Appendix F, Modeling

Attachment F.2-3 CalSim 3–Diversion

F.2-3.1 Results

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

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

Section	Output Parameters	Table Numbers	Figure Numbers
Diversion	Trinity Import–Clear Creek Tunnel	F.2.3-1-1a to F.2.3-1-7c	F.2.3-1-1 to F.2.3-1-18
Diversion	Red Bluff Diversion–Tehama Colusa Canal	F.2.3-2-1a to F.2.3-2-7c	F.2.3-2-1 to F.2.3-2-18
Diversion	Hamilton City Diversion–Glenn Colusa Canal	F.2.3-3-1a to F.2.3-3-7c	F.2.3-3-1 to F.2.3-3-18
Diversion	Folsom South Canal Diversion	F.2.3-4-1a to F.2.3-4-7c	F.2.3-4-1 to F.2.3-4-18
Diversion	Friant-Kern Canal Diversion	F.2.3-5-1a to F.2.3-5-7c	F.2.3-5-1 to F.2.3-5-18
Diversion	Madera Canal Diversion	F.2.3-6-1a to F.2.3-6-7c	F.2.3-6-1 to F.2.3-6-18
Diversion	DCC Flow	F.2.3-7-1a to F.2.3-7-7c	F.2.3-7-1 to F.2.3-7-18
Diversion	Total Delta Exports	F.2.3-8-1a to F.2.3-8-7c	F.2.3-8-1 to F.2.3-8-18
Diversion	Jones PP Exports	F.2.3-9-1a to F.2.3-9-7c	F.2.3-9-1 to F.2.3-9-18
Diversion	CVP Banks PP Exports	F.2.3-10-1a to F.2.3-10-7c	F.2.3-10-1 to F.2.3-10-18
Diversion	SWP Banks PP Exports	F.2.3-11-1a to F.2.3-11-7c	F.2.3-11-1 to F.2.3-11-18
Diversion	DMC-CA Intertie Flow	F.2.3-12-1a to F.2.3-12-7c	F.2.3-12-1 to F.2.3-12-18

F.2-3.2 Report Formats

Reports include monthly tables, monthly pattern charts, and monthly exceedance charts.

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

Table F.2.3-1-1a. Trinity Import–Clear Creek Tunnel, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,545	857	223	1,031	539	758	881	637	1,944	3,300	3,112	2,473
20% Exceedance	1,197	223	163	195	185	478	492	490	1,285	2,615	2,597	2,139
30% Exceedance	1,000	1	77	50	66	361	446	282	946	2,143	2,394	1,798
40% Exceedance	838	0	0	0	0	278	380	170	590	1,433	2,001	1,604
50% Exceedance	729	0	0	0	0	125	331	90	377	1,085	1,769	1,344
60% Exceedance	557	0	0	0	0	0	291	31	280	687	1,462	1,042
70% Exceedance	431	0	0	0	0	0	199	0	213	502	1,071	700
80% Exceedance	361	0	0	0	0	0	0	0	160	242	560	309
90% Exceedance	77	0	0	0	0	0	0	0	27	145	195	64
Full Simulation Period Average[a]	778	213	92	273	170	301	389	246	729	1,375	1,665	1,280
Wet Water Years (28%)	1,283	575	209	382	172	423	286	182	261	965	1,512	1,600
Above Normal Water Years (14%)	1,038	246	67	74	108	136	315	64	434	1,174	2,138	1,863
Below Normal Water Years (18%)	598	80	67	217	77	408	350	200	924	1,820	1,969	1,472
Dry Water Years (24%)	531	1	37	215	142	257	399	406	1,244	2,062	1,877	1,052
Critical Water Years (16%)	184	0	16	403	367	179	666	327	817	738	859	339

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

Table F.2.3-1-1b. Trinity Import–Clear Creek Tunnel, Alternative 1, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,579	1,145	228	1,169	250	831	739	807	1,859	3,300	3,042	2,300
20% Exceedance	1,363	274	69	203	14	506	496	474	1,273	2,807	2,540	1,875
30% Exceedance	1,005	0	1	0	0	304	391	252	828	2,249	2,194	1,725
40% Exceedance	849	0	0	0	0	122	289	153	559	1,591	1,972	1,569
50% Exceedance	688	0	0	0	0	22	238	75	362	1,341	1,801	1,339
60% Exceedance	564	0	0	0	0	0	186	0	154	911	1,450	1,003
70% Exceedance	445	0	0	0	0	0	109	0	25	678	1,028	569
80% Exceedance	319	0	0	0	0	0	0	0	0	295	565	230
90% Exceedance	46	0	0	0	0	0	0	0	0	106	94	0
Full Simulation Period Average[a]	785	229	95	307	100	290	331	260	667	1,486	1,634	1,202
Wet Water Years (28%)	1,238	608	212	382	177	411	257	167	165	1,065	1,491	1,406
Above Normal Water Years (14%)	1,082	229	101	140	108	101	350	44	346	1,325	2,003	1,428
Below Normal Water Years (18%)	705	136	89	248	44	438	298	216	901	1,873	1,975	1,401
Dry Water Years (24%)	514	0	16	168	43	238	310	363	1,213	1,935	1,868	1,131
Critical Water Years (16%)	172	0	8	595	108	153	514	509	748	1,252	828	530

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

Table F.2.3-1-1c. Trinity Import–Clear Creek Tunnel, Alternative 1 minus No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	34	288	5	138	-289	73	-141	170	-85	0	-70	-172
20% Exceedance	166	50	-94	8	-171	29	4	-16	-12	192	-57	-264
30% Exceedance	5	-1	-76	-49	-66	-57	-55	-29	-117	106	-201	-72
40% Exceedance	11	0	0	0	0	-156	-91	-17	-32	158	-28	-35
50% Exceedance	-41	0	0	0	0	-103	-93	-15	-15	256	33	-5
60% Exceedance	6	0	0	0	0	0	-105	-31	-126	224	-12	-39
70% Exceedance	13	0	0	0	0	0	-90	0	-189	176	-43	-130
80% Exceedance	-43	0	0	0	0	0	0	0	-160	53	6	-79
90% Exceedance	-30	0	0	0	0	0	0	0	-27	-39	-101	-64
Full Simulation Period Average[a]	7	17	4	34	-70	-12	-58	15	-62	111	-31	-78
Wet Water Years (28%)	-45	33	3	0	5	-12	-29	-15	-96	100	-20	-194
Above Normal Water Years (14%)	44	-17	34	66	-1	-35	35	-20	-89	151	-135	-435
Below Normal Water Years (18%)	108	57	22	31	-33	29	-51	16	-22	53	6	-71
Dry Water Years (24%)	-18	-1	-21	-47	-99	-19	-89	-42	-32	-127	-9	79
Critical Water Years (16%)	-12	0	-9	192	-260	-26	-152	182	-69	514	-32	191

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

Table F.2.3-1-2a. Trinity Import–Clear Creek Tunnel, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,545	857	223	1,031	539	758	881	637	1,944	3,300	3,112	2,473
20% Exceedance	1,197	223	163	195	185	478	492	490	1,285	2,615	2,597	2,139
30% Exceedance	1,000	1	77	50	66	361	446	282	946	2,143	2,394	1,798
40% Exceedance	838	0	0	0	0	278	380	170	590	1,433	2,001	1,604
50% Exceedance	729	0	0	0	0	125	331	90	377	1,085	1,769	1,344
60% Exceedance	557	0	0	0	0	0	291	31	280	687	1,462	1,042
70% Exceedance	431	0	0	0	0	0	199	0	213	502	1,071	700
80% Exceedance	361	0	0	0	0	0	0	0	160	242	560	309
90% Exceedance	77	0	0	0	0	0	0	0	27	145	195	64
Full Simulation Period Average[a]	778	213	92	273	170	301	389	246	729	1,375	1,665	1,280
Wet Water Years (28%)	1,283	575	209	382	172	423	286	182	261	965	1,512	1,600
Above Normal Water Years (14%)	1,038	246	67	74	108	136	315	64	434	1,174	2,138	1,863
Below Normal Water Years (18%)	598	80	67	217	77	408	350	200	924	1,820	1,969	1,472
Dry Water Years (24%)	531	1	37	215	142	257	399	406	1,244	2,062	1,877	1,052
Critical Water Years (16%)	184	0	16	403	367	179	666	327	817	738	859	339

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

Table F.2.3-1-2b. Trinity Import–Clear Creek Tunnel, Alt2woTUCPwoVA, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,557	1,180	257	1,057	229	831	879	1,250	1,977	3,300	3,178	2,278
20% Exceedance	1,289	79	211	205	160	515	498	607	1,092	2,855	2,734	1,988
30% Exceedance	987	18	96	119	11	371	465	360	811	2,367	2,447	1,759
40% Exceedance	758	0	0	16	0	296	395	200	531	1,423	1,967	1,564
50% Exceedance	628	0	0	0	0	149	355	132	337	870	1,706	1,271
60% Exceedance	527	0	0	0	0	5	323	62	266	643	1,417	1,009
70% Exceedance	431	0	0	0	0	0	217	0	132	376	1,012	694
80% Exceedance	330	0	0	0	0	0	44	0	80	192	508	267
90% Exceedance	46	0	0	0	0	0	0	0	0	102	188	0
Full Simulation Period Average[a]	761	219	111	282	159	335	396	349	674	1,369	1,680	1,221
Wet Water Years (28%)	1,284	609	207	385	159	424	264	240	235	938	1,508	1,499
Above Normal Water Years (14%)	1,017	203	80	73	85	133	313	97	409	1,335	2,264	1,763
Below Normal Water Years (18%)	570	92	149	268	64	426	382	530	842	1,807	2,203	1,362
Dry Water Years (24%)	491	5	50	225	73	261	428	487	1,258	1,998	1,799	1,059
Critical Water Years (16%)	189	0	16	386	459	364	663	353	614	718	706	347

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

Table F.2.3-1-2c. Trinity Import–Clear Creek Tunnel, Alt2woTUCPwoVA minus No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	12	323	34	26	-310	73	-1	613	33	0	66	-194
20% Exceedance	92	-144	48	9	-25	37	6	117	-193	240	137	-151
30% Exceedance	-13	17	19	70	-55	9	18	78	-134	225	53	-39
40% Exceedance	-79	0	0	16	0	18	15	30	-59	-10	-34	-41
50% Exceedance	-101	0	0	0	0	24	24	43	-39	-215	-63	-73
60% Exceedance	-30	0	0	0	0	5	32	31	-14	-44	-45	-34
70% Exceedance	-1	0	0	0	0	0	18	0	-82	-125	-59	-5
80% Exceedance	-31	0	0	0	0	0	44	0	-81	-50	-52	-42
90% Exceedance	-30	0	0	0	0	0	0	0	-27	-44	-7	-64
Full Simulation Period Average[a]	-17	6	19	9	-11	33	6	104	-55	-6	15	-59
Wet Water Years (28%)	2	34	-2	3	-13	1	-21	58	-26	-26	-4	-101
Above Normal Water Years (14%)	-21	-44	13	0	-23	-3	-3	33	-26	161	126	-100
Below Normal Water Years (18%)	-27	12	81	50	-12	17	32	330	-82	-12	234	-110
Dry Water Years (24%)	-40	4	13	10	-69	3	29	81	13	-65	-78	8
Critical Water Years (16%)	4	0	0	-17	92	185	-3	27	-203	-20	-153	8

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

Table F.2.3-1-3a. Trinity Import–Clear Creek Tunnel, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,545	857	223	1,031	539	758	881	637	1,944	3,300	3,112	2,473
20% Exceedance	1,197	223	163	195	185	478	492	490	1,285	2,615	2,597	2,139
30% Exceedance	1,000	1	77	50	66	361	446	282	946	2,143	2,394	1,798
40% Exceedance	838	0	0	0	0	278	380	170	590	1,433	2,001	1,604
50% Exceedance	729	0	0	0	0	125	331	90	377	1,085	1,769	1,344
60% Exceedance	557	0	0	0	0	0	291	31	280	687	1,462	1,042
70% Exceedance	431	0	0	0	0	0	199	0	213	502	1,071	700
80% Exceedance	361	0	0	0	0	0	0	0	160	242	560	309
90% Exceedance	77	0	0	0	0	0	0	0	27	145	195	64
Full Simulation Period Average[a]	778	213	92	273	170	301	389	246	729	1,375	1,665	1,280
Wet Water Years (28%)	1,283	575	209	382	172	423	286	182	261	965	1,512	1,600
Above Normal Water Years (14%)	1,038	246	67	74	108	136	315	64	434	1,174	2,138	1,863
Below Normal Water Years (18%)	598	80	67	217	77	408	350	200	924	1,820	1,969	1,472
Dry Water Years (24%)	531	1	37	215	142	257	399	406	1,244	2,062	1,877	1,052
Critical Water Years (16%)	184	0	16	403	367	179	666	327	817	738	859	339

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

Table F.2.3-1-3b. Trinity Import–Clear Creek Tunnel, Alt2woTUCPDeltaVA, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,557	1,190	256	1,057	249	831	864	1,204	1,689	3,300	3,293	2,325
20% Exceedance	1,276	90	211	214	162	531	499	639	1,180	2,807	2,819	1,973
30% Exceedance	977	21	100	119	28	370	455	377	833	2,301	2,540	1,690
40% Exceedance	773	0	0	12	0	289	395	227	571	1,526	1,908	1,490
50% Exceedance	629	0	0	0	0	162	358	133	338	864	1,670	1,308
60% Exceedance	549	0	0	0	0	16	313	68	269	629	1,362	1,030
70% Exceedance	446	0	0	0	0	0	225	0	132	329	1,048	719
80% Exceedance	330	0	0	0	0	0	43	0	80	199	543	312
90% Exceedance	126	0	0	0	0	0	0	0	0	104	188	92
Full Simulation Period Average[a]	768	221	103	287	146	334	397	355	670	1,373	1,694	1,237
Wet Water Years (28%)	1,284	620	207	385	162	425	267	239	234	913	1,517	1,511
Above Normal Water Years (14%)	1,015	198	80	73	86	133	311	94	405	1,281	2,329	1,789
Below Normal Water Years (18%)	604	93	91	267	64	428	392	594	839	1,845	2,221	1,410
Dry Water Years (24%)	496	5	61	245	96	260	416	465	1,204	2,003	1,762	1,030
Critical Water Years (16%)	192	0	16	386	336	357	676	351	673	781	750	390

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

Table F.2.3-1-3c. Trinity Import–Clear Creek Tunnel, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	11	332	33	26	-290	73	-16	567	-255	0	181	-148
20% Exceedance	78	-133	48	19	-23	53	7	149	-105	192	222	-165
30% Exceedance	-23	20	23	70	-38	9	9	95	-112	158	146	-107
40% Exceedance	-65	0	0	12	0	11	14	57	-19	93	-93	-114
50% Exceedance	-99	0	0	0	0	37	28	43	-39	-221	-99	-36
60% Exceedance	-8	0	0	0	0	16	22	37	-11	-58	-99	-12
70% Exceedance	15	0	0	0	0	0	25	0	-82	-173	-23	19
80% Exceedance	-31	0	0	0	0	0	43	0	-81	-43	-17	3
90% Exceedance	49	0	0	0	0	0	0	0	-27	-41	-7	28
Full Simulation Period Average[a]	-9	9	11	14	-24	33	7	109	-59	-2	28	-43
Wet Water Years (28%)	1	45	-2	3	-10	2	-19	57	-26	-51	5	-89
Above Normal Water Years (14%)	-23	-48	14	0	-23	-3	-5	30	-29	107	190	-74
Below Normal Water Years (18%)	6	13	24	50	-13	20	42	394	-85	26	252	-62
Dry Water Years (24%)	-35	4	24	30	-46	3	17	59	-40	-59	-115	-22
Critical Water Years (16%)	8	0	0	-17	-31	178	10	25	-144	43	-109	51

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

Table F.2.3-1-4a. Trinity Import–Clear Creek Tunnel, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,545	857	223	1,031	539	758	881	637	1,944	3,300	3,112	2,473
20% Exceedance	1,197	223	163	195	185	478	492	490	1,285	2,615	2,597	2,139
30% Exceedance	1,000	1	77	50	66	361	446	282	946	2,143	2,394	1,798
40% Exceedance	838	0	0	0	0	278	380	170	590	1,433	2,001	1,604
50% Exceedance	729	0	0	0	0	125	331	90	377	1,085	1,769	1,344
60% Exceedance	557	0	0	0	0	0	291	31	280	687	1,462	1,042
70% Exceedance	431	0	0	0	0	0	199	0	213	502	1,071	700
80% Exceedance	361	0	0	0	0	0	0	0	160	242	560	309
90% Exceedance	77	0	0	0	0	0	0	0	27	145	195	64
Full Simulation Period Average[a]	778	213	92	273	170	301	389	246	729	1,375	1,665	1,280
Wet Water Years (28%)	1,283	575	209	382	172	423	286	182	261	965	1,512	1,600
Above Normal Water Years (14%)	1,038	246	67	74	108	136	315	64	434	1,174	2,138	1,863
Below Normal Water Years (18%)	598	80	67	217	77	408	350	200	924	1,820	1,969	1,472
Dry Water Years (24%)	531	1	37	215	142	257	399	406	1,244	2,062	1,877	1,052
Critical Water Years (16%)	184	0	16	403	367	179	666	327	817	738	859	339

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

Table F.2.3-1-4b. Trinity Import–Clear Creek Tunnel, Alt2woTUCPAllVA, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,537	1,213	247	1,057	253	831	882	1,232	1,683	3,300	3,270	2,266
20% Exceedance	1,229	64	186	214	154	527	499	640	1,181	2,757	2,813	1,958
30% Exceedance	980	21	101	104	5	377	467	419	944	2,196	2,526	1,712
40% Exceedance	800	0	0	12	0	295	395	262	547	1,388	1,978	1,509
50% Exceedance	633	0	0	0	0	171	355	157	341	907	1,689	1,235
60% Exceedance	536	0	0	0	0	17	302	86	303	644	1,402	999
70% Exceedance	453	0	0	0	0	0	215	0	132	359	1,019	697
80% Exceedance	326	0	0	0	0	0	0	0	82	177	568	223
90% Exceedance	47	0	0	0	0	0	0	0	15	104	188	22
Full Simulation Period Average[a]	766	216	99	279	161	336	398	381	672	1,339	1,707	1,207
Wet Water Years (28%)	1,274	609	206	385	162	425	267	256	236	916	1,520	1,494
Above Normal Water Years (14%)	997	170	75	73	84	132	302	133	491	1,249	2,307	1,722
Below Normal Water Years (18%)	611	107	80	267	63	436	387	721	863	1,819	2,263	1,369
Dry Water Years (24%)	511	5	57	226	72	263	407	460	1,182	1,941	1,727	1,035
Critical Water Years (16%)	179	0	16	368	472	358	708	312	615	719	853	330

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

Table F.2.3-1-4c. Trinity Import–Clear Creek Tunnel, Alt2woTUCPAllVA minus No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-8	356	24	26	-286	73	1	595	-261	0	157	-206
20% Exceedance	31	-159	23	19	-31	49	7	150	-103	142	216	-181
30% Exceedance	-20	20	24	54	-61	15	20	137	-1	53	131	-85
40% Exceedance	-37	0	0	12	0	17	14	92	-44	-45	-23	-96
50% Exceedance	-96	0	0	0	0	46	24	67	-36	-178	-80	-109
60% Exceedance	-21	0	0	0	0	17	11	55	23	-43	-60	-43
70% Exceedance	22	0	0	0	0	0	16	0	-82	-143	-52	-3
80% Exceedance	-35	0	0	0	0	0	0	0	-78	-65	8	-86
90% Exceedance	-30	0	0	0	0	0	0	0	-12	-41	-7	-42
Full Simulation Period Average[a]	-12	4	8	7	-9	35	8	135	-57	-35	42	-73
Wet Water Years (28%)	-8	34	-3	3	-10	2	-19	75	-24	-49	8	-106
Above Normal Water Years (14%)	-41	-76	9	0	-24	-4	-14	69	56	75	169	-141
Below Normal Water Years (18%)	13	27	13	50	-13	27	38	521	-61	-1	294	-103
Dry Water Years (24%)	-20	4	20	11	-70	6	8	54	-62	-121	-149	-16
Critical Water Years (16%)	-5	0	0	-35	105	179	41	-14	-202	-19	-6	-9

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

Table F.2.3-1-5a. Trinity Import–Clear Creek Tunnel, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,545	857	223	1,031	539	758	881	637	1,944	3,300	3,112	2,473
20% Exceedance	1,197	223	163	195	185	478	492	490	1,285	2,615	2,597	2,139
30% Exceedance	1,000	1	77	50	66	361	446	282	946	2,143	2,394	1,798
40% Exceedance	838	0	0	0	0	278	380	170	590	1,433	2,001	1,604
50% Exceedance	729	0	0	0	0	125	331	90	377	1,085	1,769	1,344
60% Exceedance	557	0	0	0	0	0	291	31	280	687	1,462	1,042
70% Exceedance	431	0	0	0	0	0	199	0	213	502	1,071	700
80% Exceedance	361	0	0	0	0	0	0	0	160	242	560	309
90% Exceedance	77	0	0	0	0	0	0	0	27	145	195	64
Full Simulation Period Average[a]	778	213	92	273	170	301	389	246	729	1,375	1,665	1,280
Wet Water Years (28%)	1,283	575	209	382	172	423	286	182	261	965	1,512	1,600
Above Normal Water Years (14%)	1,038	246	67	74	108	136	315	64	434	1,174	2,138	1,863
Below Normal Water Years (18%)	598	80	67	217	77	408	350	200	924	1,820	1,969	1,472
Dry Water Years (24%)	531	1	37	215	142	257	399	406	1,244	2,062	1,877	1,052
Critical Water Years (16%)	184	0	16	403	367	179	666	327	817	738	859	339

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

Table F.2.3-1-5b. Trinity Import–Clear Creek Tunnel, Alt2wTUCPwoVA, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,557	1,178	257	1,057	295	831	707	1,240	1,976	3,300	3,178	2,280
20% Exceedance	1,288	189	212	214	161	537	495	570	1,098	2,832	2,736	1,988
30% Exceedance	988	27	116	122	11	366	465	359	800	2,367	2,447	1,763
40% Exceedance	778	0	1	25	0	288	389	189	536	1,493	2,002	1,565
50% Exceedance	645	0	0	0	0	128	349	108	349	869	1,693	1,271
60% Exceedance	537	0	0	0	0	6	299	55	277	657	1,394	1,020
70% Exceedance	445	0	0	0	0	0	218	0	135	384	1,013	732
80% Exceedance	323	0	0	0	0	0	5	0	82	192	404	269
90% Exceedance	36	0	0	0	0	0	0	0	0	104	188	76
Full Simulation Period Average[a]	764	223	114	288	162	335	354	333	679	1,384	1,674	1,236
Wet Water Years (28%)	1,286	609	207	406	159	424	264	239	234	936	1,508	1,499
Above Normal Water Years (14%)	1,022	204	80	73	85	133	313	97	409	1,342	2,288	1,791
Below Normal Water Years (18%)	592	116	166	268	79	411	373	521	827	1,814	2,232	1,404
Dry Water Years (24%)	475	5	50	226	73	263	428	488	1,261	2,008	1,807	1,068
Critical Water Years (16%)	197	0	16	387	458	380	414	258	655	787	600	352

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

Table F.2.3-1-5c. Trinity Import–Clear Creek Tunnel, Alt2wTUCPwoVA minus No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	12	321	34	26	-244	73	-174	603	32	0	66	-192
20% Exceedance	91	-34	49	19	-24	59	4	80	-187	217	139	-151
30% Exceedance	-12	26	39	72	-55	4	18	77	-145	225	53	-35
40% Exceedance	-60	0	1	25	0	11	9	19	-54	60	2	-40
50% Exceedance	-84	0	0	0	0	3	18	18	-28	-216	-76	-73
60% Exceedance	-20	0	0	0	0	6	8	24	-3	-30	-67	-22
70% Exceedance	14	0	0	0	0	0	18	0	-78	-117	-58	32
80% Exceedance	-38	0	0	0	0	0	5	0	-78	-50	-155	-40
90% Exceedance	-40	0	0	0	0	0	0	0	-27	-41	-8	12
Full Simulation Period Average[a]	-14	11	22	16	-8	34	-36	87	-50	9	9	-45
Wet Water Years (28%)	3	34	-2	24	-13	1	-22	58	-26	-29	-4	-101
Above Normal Water Years (14%)	-16	-43	14	0	-23	-3	-3	33	-26	168	149	-72
Below Normal Water Years (18%)	-6	36	99	50	2	2	23	321	-96	-6	263	-68
Dry Water Years (24%)	-56	4	13	11	-69	5	29	82	17	-54	-70	16
Critical Water Years (16%)	13	0	0	-16	90	201	-253	-69	-161	49	-260	14

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

Table F.2.3-1-6a. Trinity Import–Clear Creek Tunnel, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,545	857	223	1,031	539	758	881	637	1,944	3,300	3,112	2,473
20% Exceedance	1,197	223	163	195	185	478	492	490	1,285	2,615	2,597	2,139
30% Exceedance	1,000	1	77	50	66	361	446	282	946	2,143	2,394	1,798
40% Exceedance	838	0	0	0	0	278	380	170	590	1,433	2,001	1,604
50% Exceedance	729	0	0	0	0	125	331	90	377	1,085	1,769	1,344
60% Exceedance	557	0	0	0	0	0	291	31	280	687	1,462	1,042
70% Exceedance	431	0	0	0	0	0	199	0	213	502	1,071	700
80% Exceedance	361	0	0	0	0	0	0	0	160	242	560	309
90% Exceedance	77	0	0	0	0	0	0	0	27	145	195	64
Full Simulation Period Average[a]	778	213	92	273	170	301	389	246	729	1,375	1,665	1,280
Wet Water Years (28%)	1,283	575	209	382	172	423	286	182	261	965	1,512	1,600
Above Normal Water Years (14%)	1,038	246	67	74	108	136	315	64	434	1,174	2,138	1,863
Below Normal Water Years (18%)	598	80	67	217	77	408	350	200	924	1,820	1,969	1,472
Dry Water Years (24%)	531	1	37	215	142	257	399	406	1,244	2,062	1,877	1,052
Critical Water Years (16%)	184	0	16	403	367	179	666	327	817	738	859	339

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

Table F.2.3-1-6b. Trinity Import–Clear Creek Tunnel, Alternative 3, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,654	661	264	1,002	650	831	801	500	1,433	2,688	3,030	2,210
20% Exceedance	1,132	35	220	278	195	532	557	376	995	2,200	2,556	1,978
30% Exceedance	985	8	117	165	81	384	485	231	816	1,736	2,265	1,771
40% Exceedance	882	0	2	52	0	271	445	181	591	1,497	2,080	1,607
50% Exceedance	761	0	0	0	0	153	400	147	371	1,330	1,844	1,419
60% Exceedance	589	0	0	0	0	11	365	113	236	906	1,544	1,224
70% Exceedance	431	0	0	0	0	0	303	55	184	476	1,123	838
80% Exceedance	285	0	0	0	0	0	159	5	124	229	497	385
90% Exceedance	0	0	0	0	0	0	0	0	28	118	148	71
Full Simulation Period Average[a]	780	164	126	289	199	325	429	234	600	1,289	1,656	1,294
Wet Water Years (28%)	1,153	390	222	448	177	532	511	254	342	1,082	1,545	1,694
Above Normal Water Years (14%)	983	179	121	75	111	147	377	100	473	1,173	2,047	1,665
Below Normal Water Years (18%)	915	134	161	262	80	313	328	135	561	1,379	2,099	1,379
Dry Water Years (24%)	460	15	59	146	78	285	464	318	904	1,722	1,896	1,126
Critical Water Years (16%)	232	0	16	443	626	191	394	302	749	1,001	651	427

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

Table F.2.3-1-6c. Trinity Import–Clear Creek Tunnel, Alternative 3 minus No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	109	-196	41	-29	111	73	-80	-138	-511	-612	-83	-263
20% Exceedance	-65	-188	57	83	10	54	65	-114	-290	-415	-41	-161
30% Exceedance	-15	7	40	115	15	23	38	-51	-129	-406	-129	-26
40% Exceedance	44	0	2	52	0	-7	65	11	0	64	79	2
50% Exceedance	33	0	0	0	0	28	69	57	-5	245	75	75
60% Exceedance	32	0	0	0	0	11	74	82	-44	218	82	182
70% Exceedance	-1	0	0	0	0	0	103	55	-29	-26	51	138
80% Exceedance	-76	0	0	0	0	0	159	5	-36	-13	-63	76
90% Exceedance	-77	0	0	0	0	0	0	0	0	-27	-48	7
Full Simulation Period Average[a]	2	-49	34	17	29	23	40	-11	-130	-86	-9	14
Wet Water Years (28%)	-130	-185	13	66	5	109	226	73	81	117	34	94
Above Normal Water Years (14%)	-55	-67	55	1	3	11	61	35	39	-1	-92	-198
Below Normal Water Years (18%)	317	55	94	45	3	-95	-22	-65	-363	-441	130	-93
Dry Water Years (24%)	-72	14	22	-69	-63	28	65	-88	-340	-340	20	74
Critical Water Years (16%)	48	0	0	41	258	12	-273	-24	-67	263	-209	89

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

Table F.2.3-1-7a. Trinity Import–Clear Creek Tunnel, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,545	857	223	1,031	539	758	881	637	1,944	3,300	3,112	2,473
20% Exceedance	1,197	223	163	195	185	478	492	490	1,285	2,615	2,597	2,139
30% Exceedance	1,000	1	77	50	66	361	446	282	946	2,143	2,394	1,798
40% Exceedance	838	0	0	0	0	278	380	170	590	1,433	2,001	1,604
50% Exceedance	729	0	0	0	0	125	331	90	377	1,085	1,769	1,344
60% Exceedance	557	0	0	0	0	0	291	31	280	687	1,462	1,042
70% Exceedance	431	0	0	0	0	0	199	0	213	502	1,071	700
80% Exceedance	361	0	0	0	0	0	0	0	160	242	560	309
90% Exceedance	77	0	0	0	0	0	0	0	27	145	195	64
Full Simulation Period Average[a]	778	213	92	273	170	301	389	246	729	1,375	1,665	1,280
Wet Water Years (28%)	1,283	575	209	382	172	423	286	182	261	965	1,512	1,600
Above Normal Water Years (14%)	1,038	246	67	74	108	136	315	64	434	1,174	2,138	1,863
Below Normal Water Years (18%)	598	80	67	217	77	408	350	200	924	1,820	1,969	1,472
Dry Water Years (24%)	531	1	37	215	142	257	399	406	1,244	2,062	1,877	1,052
Critical Water Years (16%)	184	0	16	403	367	179	666	327	817	738	859	339

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

Table F.2.3-1-7b. Trinity Import–Clear Creek Tunnel, Alternative 4, Monthly Diversion (cfs)

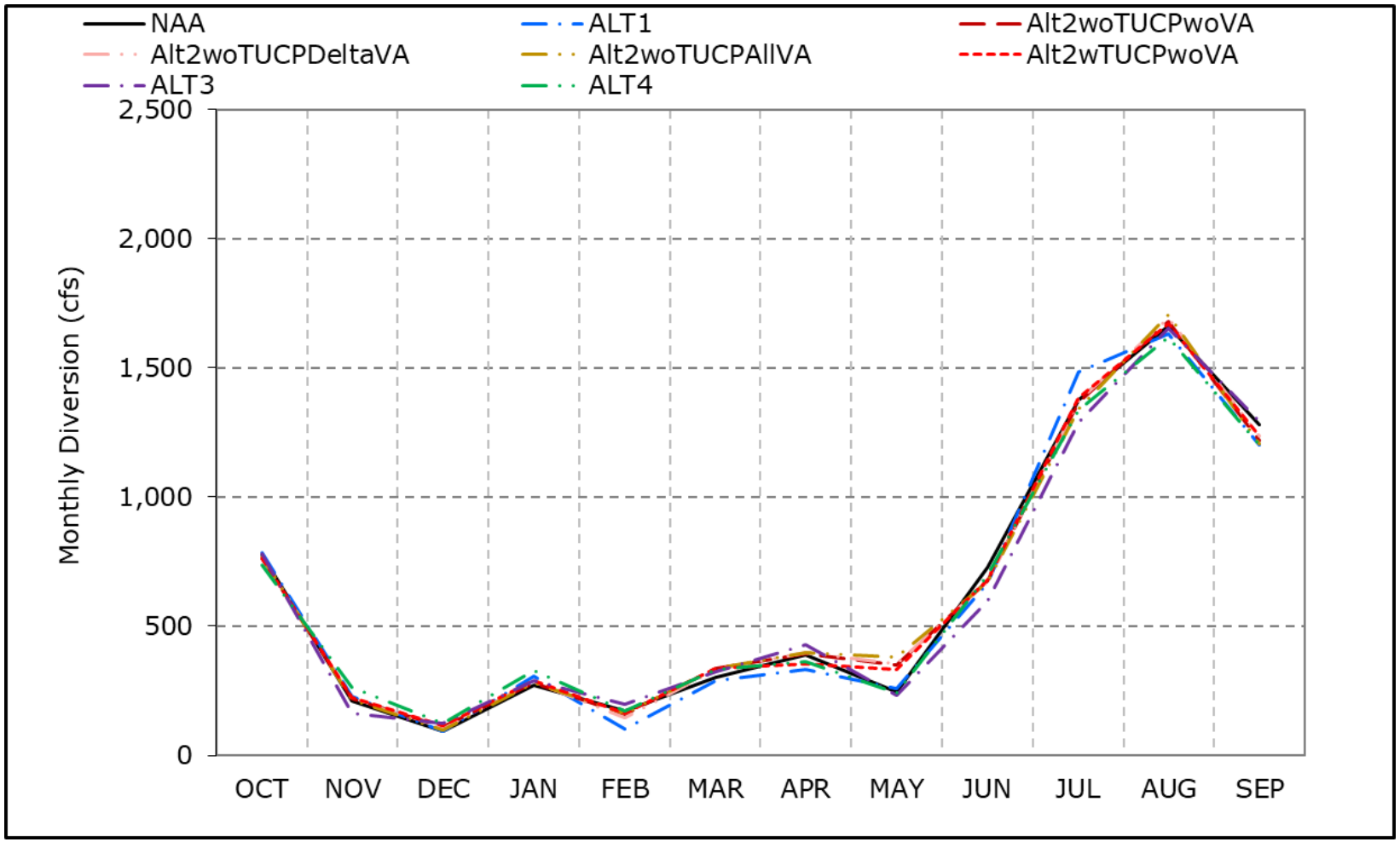
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,530	1,434	278	1,172	508	889	678	608	1,918	3,002	2,961	2,283
20% Exceedance	1,046	506	234	243	173	536	496	440	1,292	2,587	2,514	1,856
30% Exceedance	935	27	127	128	34	366	462	291	862	1,966	2,200	1,743
40% Exceedance	802	0	0	25	0	288	389	189	671	1,434	1,963	1,496
50% Exceedance	670	0	0	0	0	118	356	118	375	1,043	1,761	1,135
60% Exceedance	558	0	0	0	0	0	298	67	236	746	1,388	994
70% Exceedance	432	0	0	0	0	0	213	0	132	519	1,063	676
80% Exceedance	293	0	0	0	0	0	0	0	66	226	477	303
90% Exceedance	50	0	0	0	0	0	0	0	0	104	188	40
Full Simulation Period Average[a]	739	265	126	328	170	334	361	242	696	1,336	1,620	1,204
Wet Water Years (28%)	1,101	710	248	392	173	427	296	194	226	989	1,496	1,395
Above Normal Water Years (14%)	994	283	94	149	105	128	310	63	408	1,212	2,080	1,584
Below Normal Water Years (18%)	667	125	142	236	80	407	366	191	878	1,744	2,151	1,482
Dry Water Years (24%)	553	5	59	250	79	267	422	384	1,228	1,874	1,814	1,075
Critical Water Years (16%)	189	0	16	596	461	368	422	327	768	788	548	419

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

Table F.2.3-1-7c. Trinity Import–Clear Creek Tunnel, Alternative 4 minus No Action Alternative, Monthly Diversion (cfs)

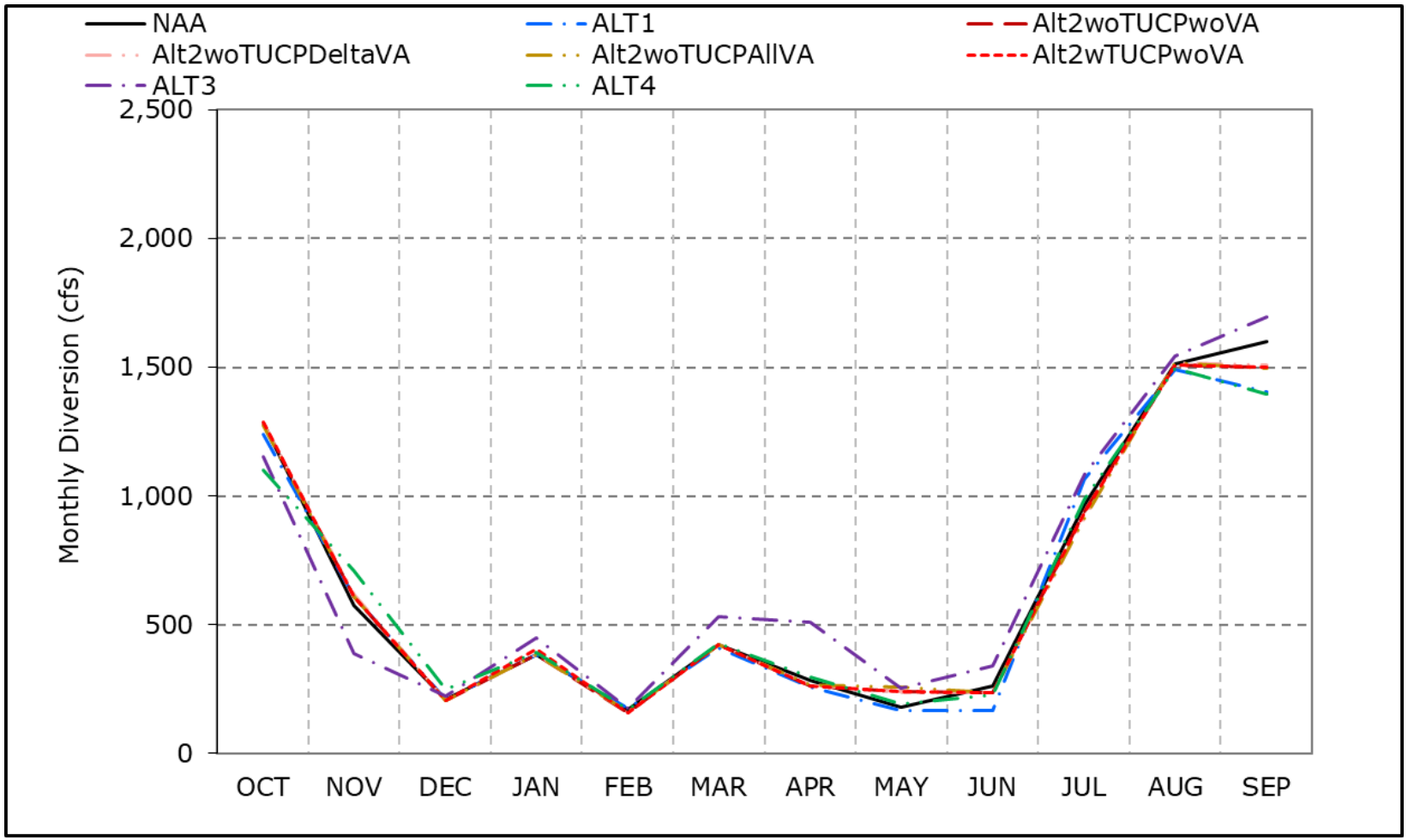
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-15	576	55	140	-31	131	-203	-29	-26	-298	-151	-189
20% Exceedance	-152	283	71	47	-12	59	4	-50	7	-29	-83	-282
30% Exceedance	-65	26	50	79	-32	5	15	9	-84	-177	-194	-55
40% Exceedance	-36	0	0	25	0	11	9	19	81	1	-38	-108
50% Exceedance	-58	0	0	0	0	-7	25	28	-2	-42	-8	-209
60% Exceedance	1	0	0	0	0	0	7	36	-44	59	-74	-49
70% Exceedance	0	0	0	0	0	0	13	0	-82	17	-9	-24
80% Exceedance	-68	0	0	0	0	0	0	0	-94	-16	-83	-6
90% Exceedance	-27	0	0	0	0	0	0	0	-27	-41	-8	-24
Full Simulation Period Average[a]	-39	52	34	56	0	32	-29	-3	-33	-39	-45	-76
Wet Water Years (28%)	-182	135	39	9	1	4	11	13	-35	24	-16	-205
Above Normal Water Years (14%)	-44	37	27	75	-3	-8	-6	-2	-27	38	-58	-280
Below Normal Water Years (18%)	70	45	75	18	3	-1	16	-9	-46	-76	182	10
Dry Water Years (24%)	22	4	22	35	-63	10	23	-22	-16	-188	-63	23
Critical Water Years (16%)	5	0	0	193	93	189	-244	0	-48	50	-311	80

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



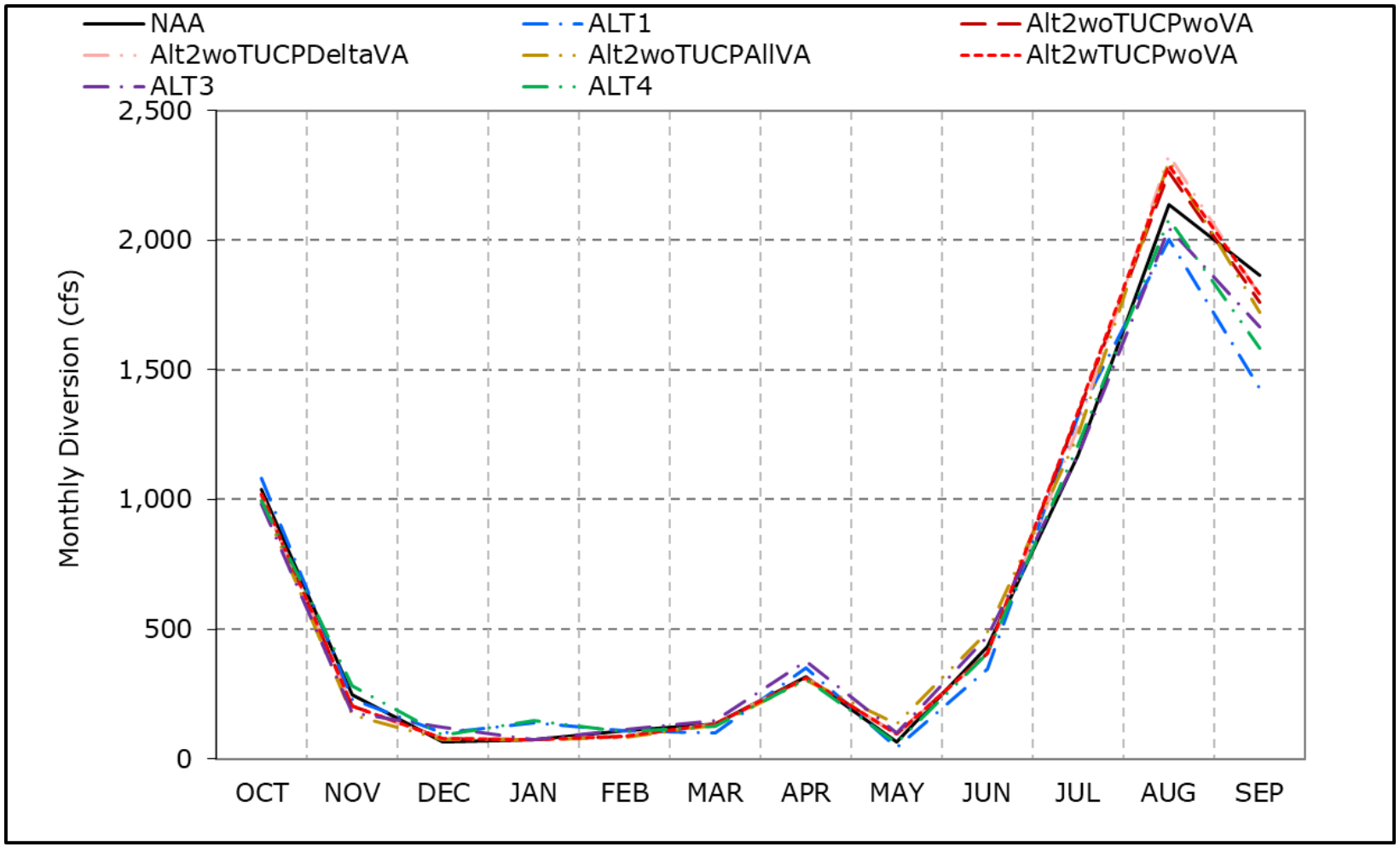
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-1-1. Trinity Import–Clear Creek Tunnel, Long-Term Average Diversion



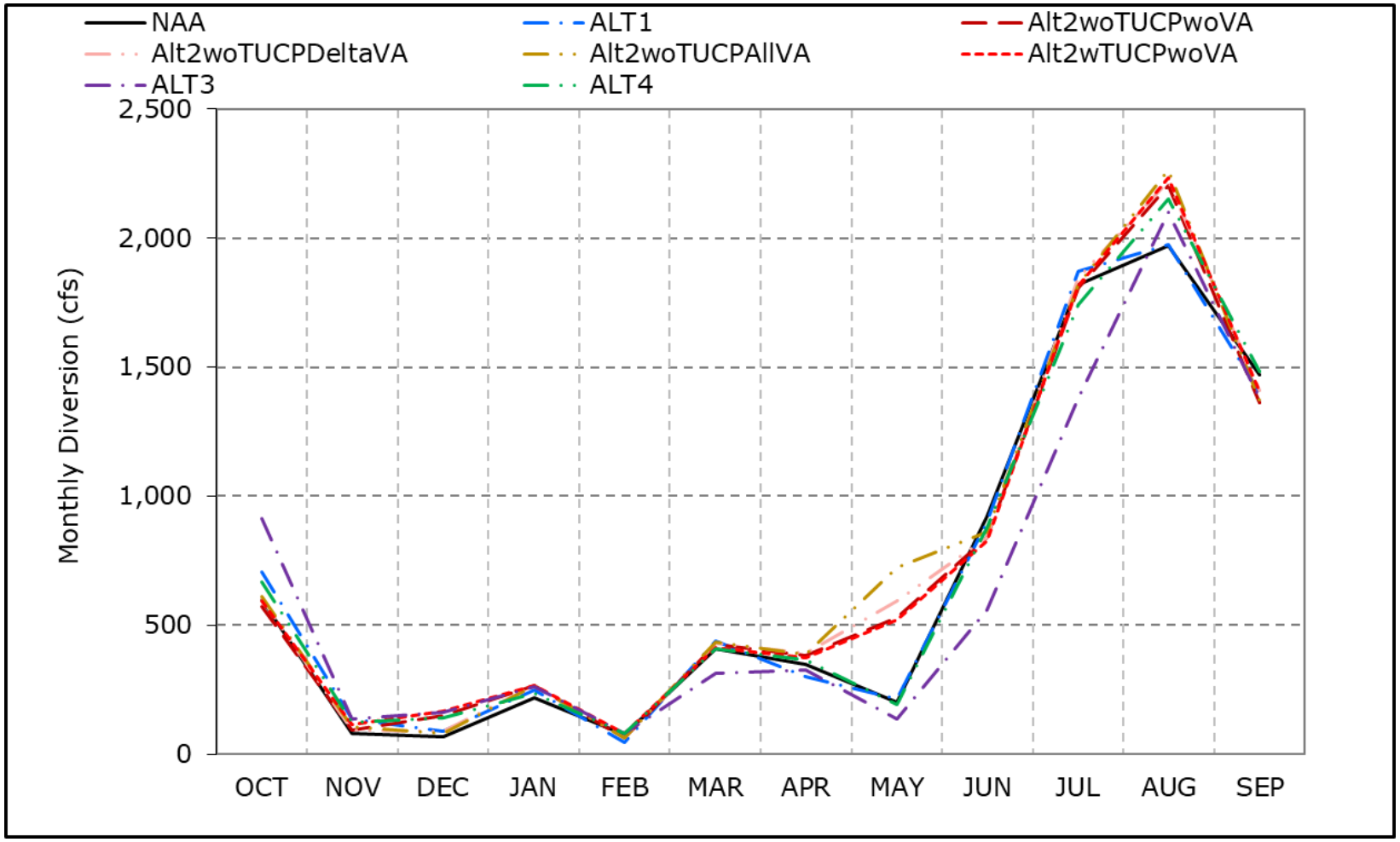
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-1-2. Trinity Import–Clear Creek Tunnel, Wet Year Average Diversion



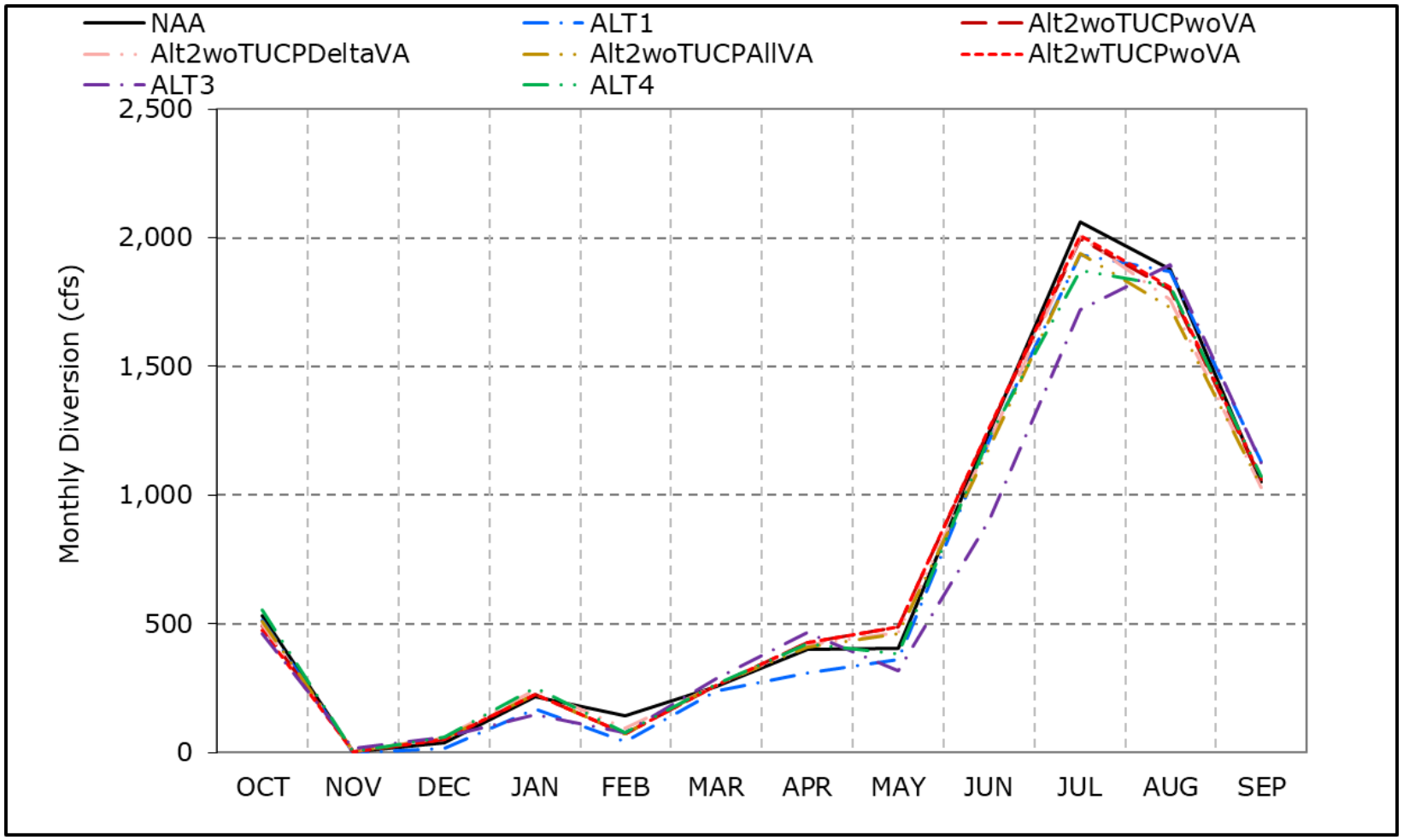
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-1-3. Trinity Import–Clear Creek Tunnel, Above Normal Year Average Diversion



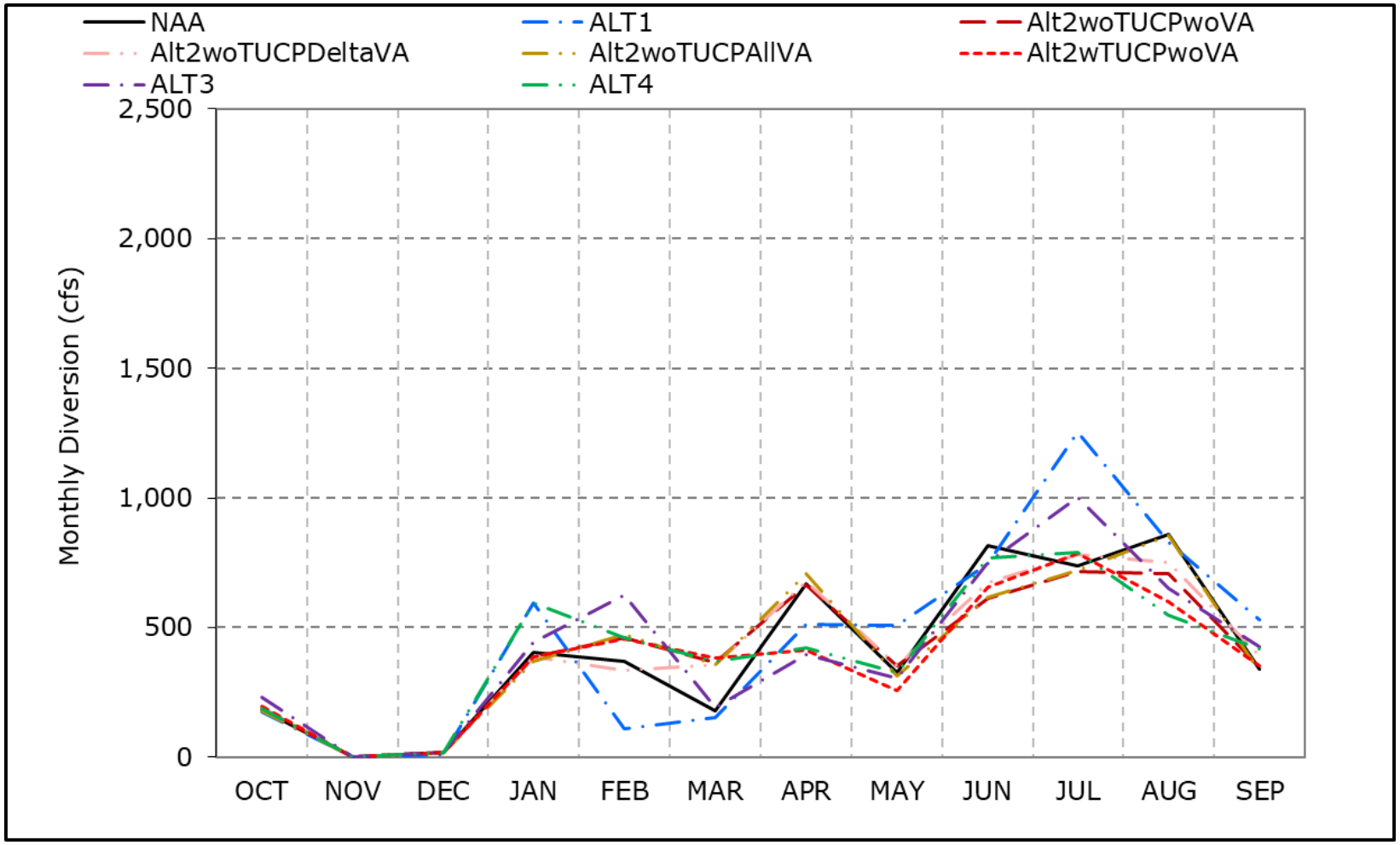
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-1-4. Trinity Import–Clear Creek Tunnel, Below Normal Year Average Diversion



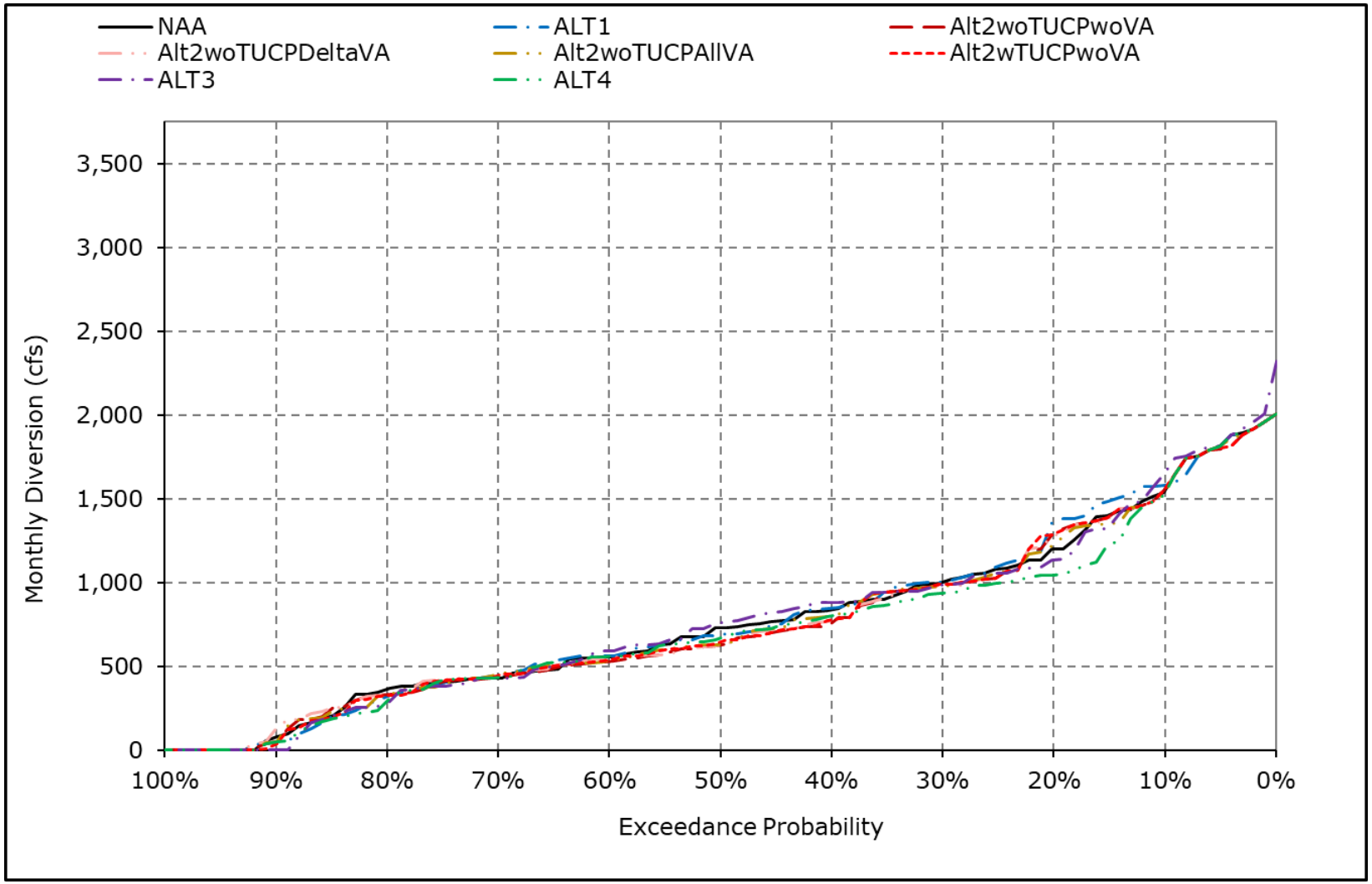
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-1-5. Trinity Import–Clear Creek Tunnel, Dry Year Average Diversion



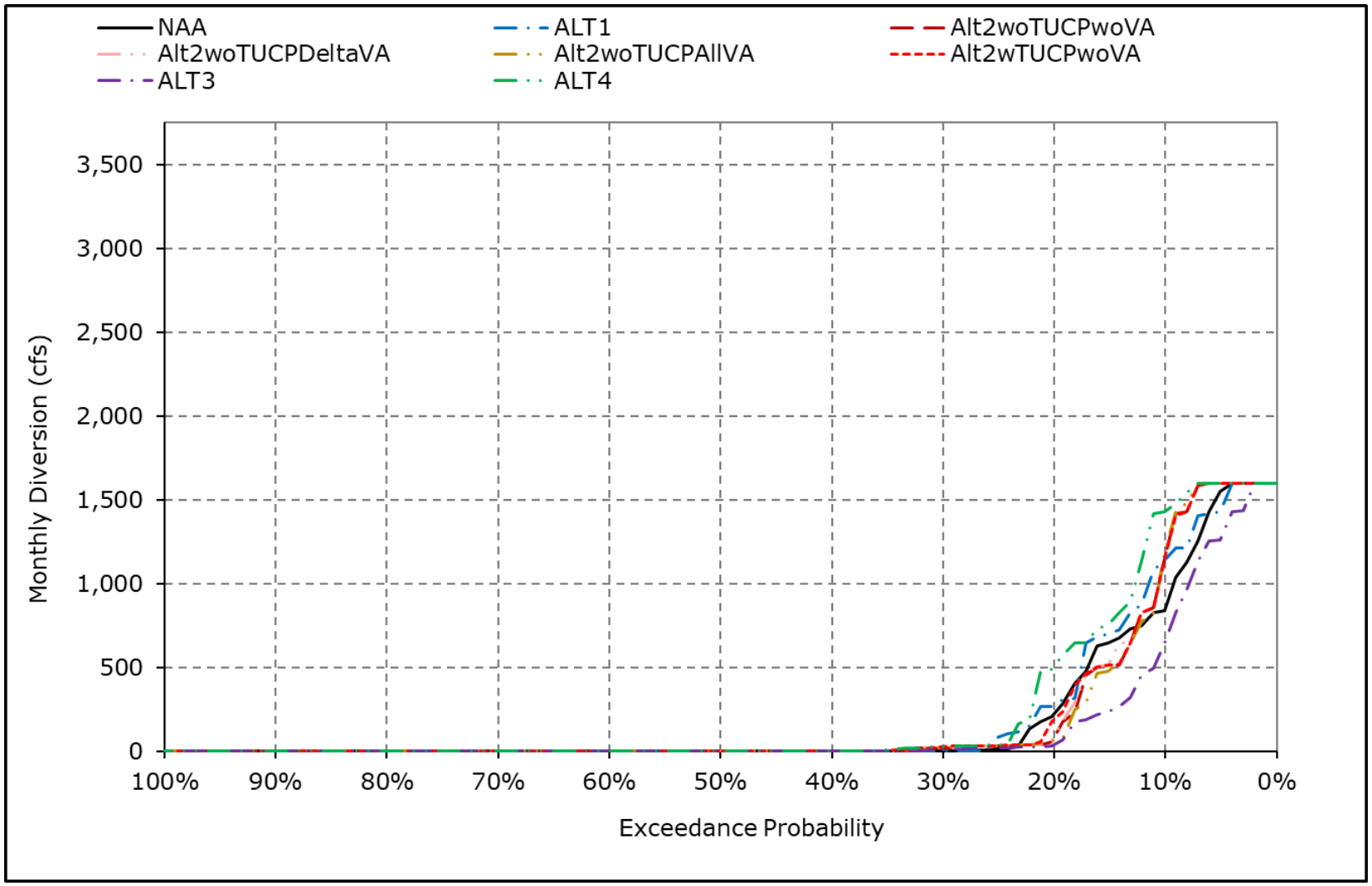
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-1-6. Trinity Import–Clear Creek Tunnel, Critical Year Average Diversion



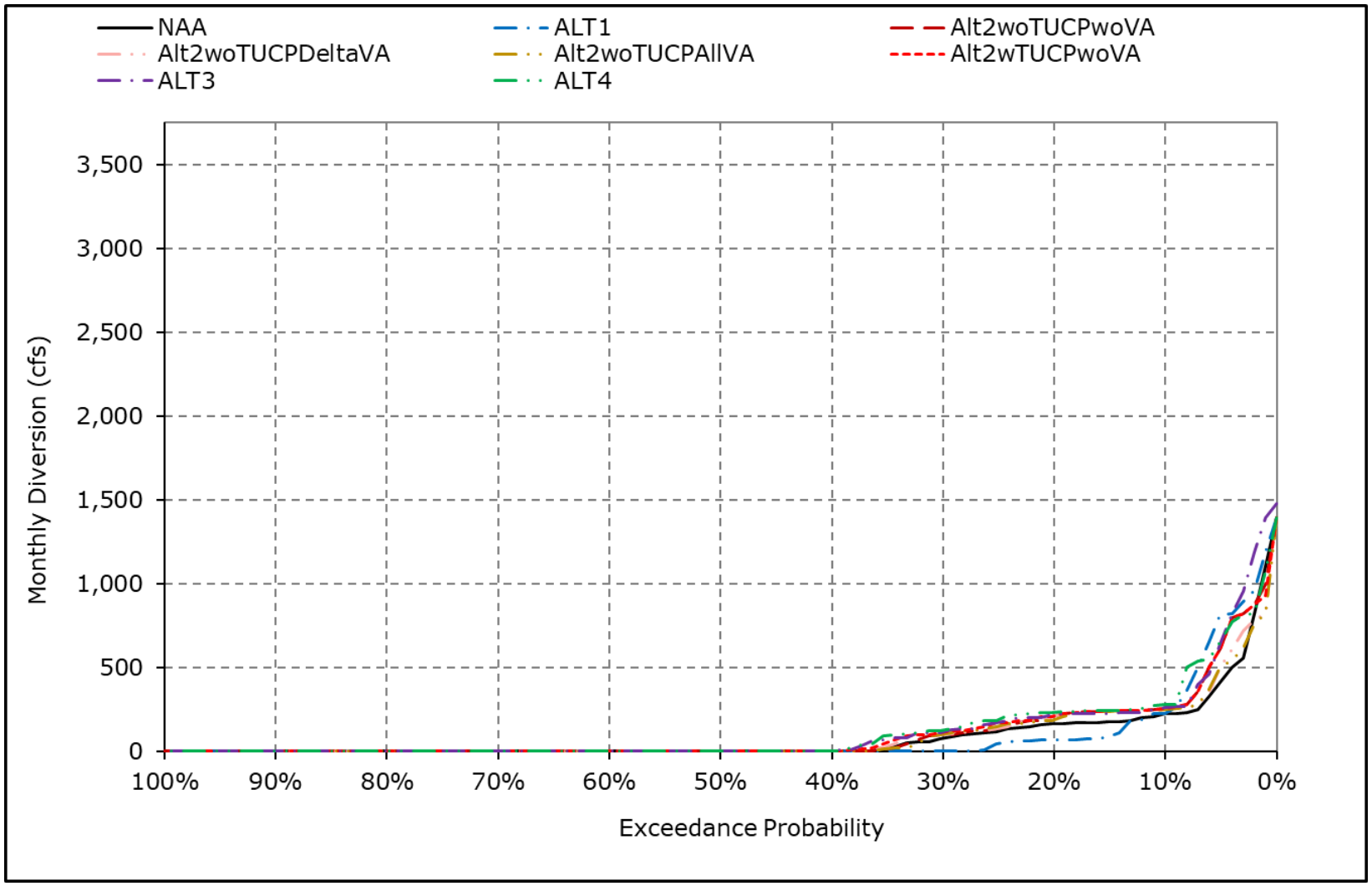
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-1-7. Trinity Import–Clear Creek Tunnel, October



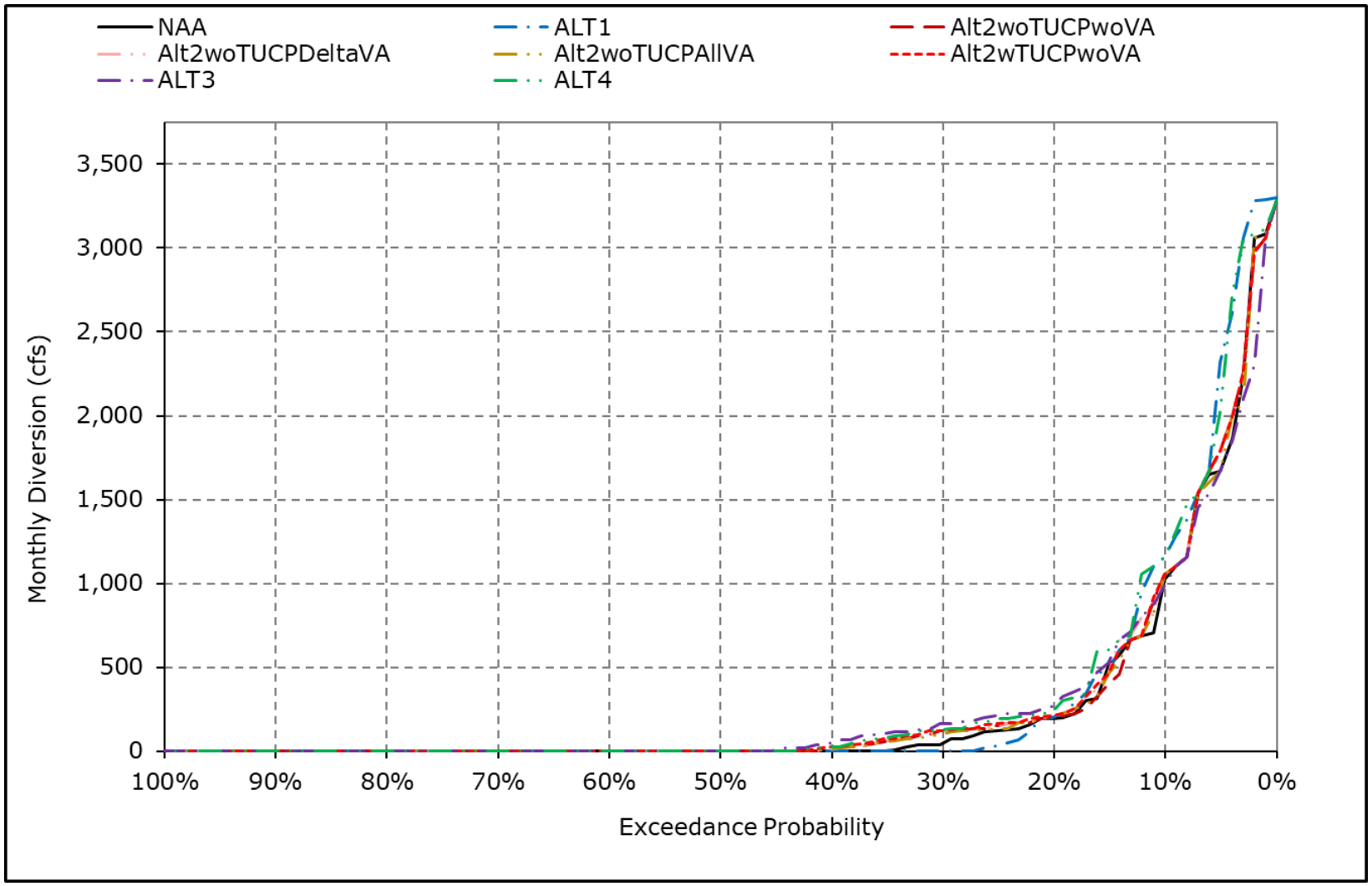
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-1-8. Trinity Import–Clear Creek Tunnel, November



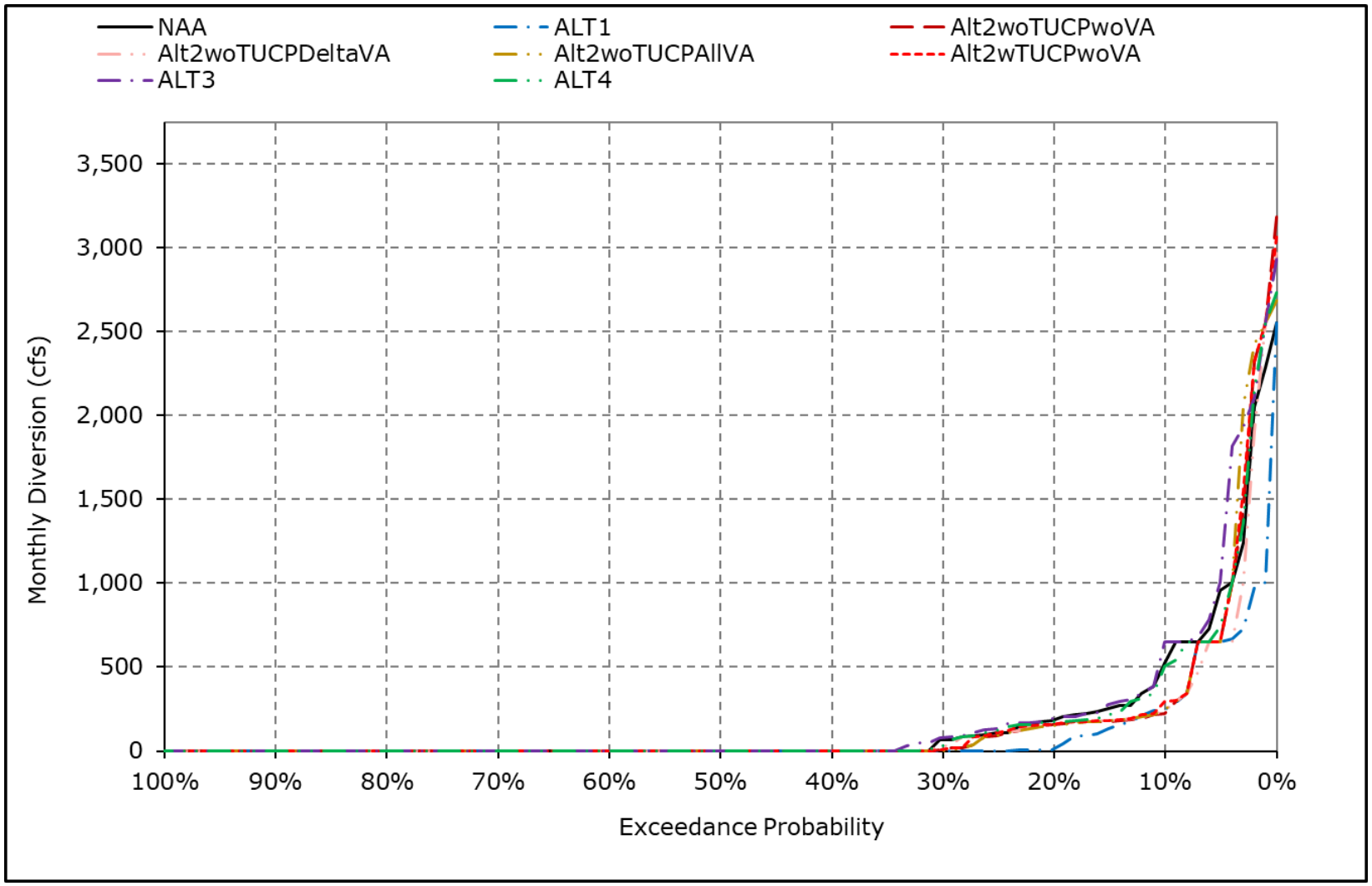
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-1-9. Trinity Import–Clear Creek Tunnel, December



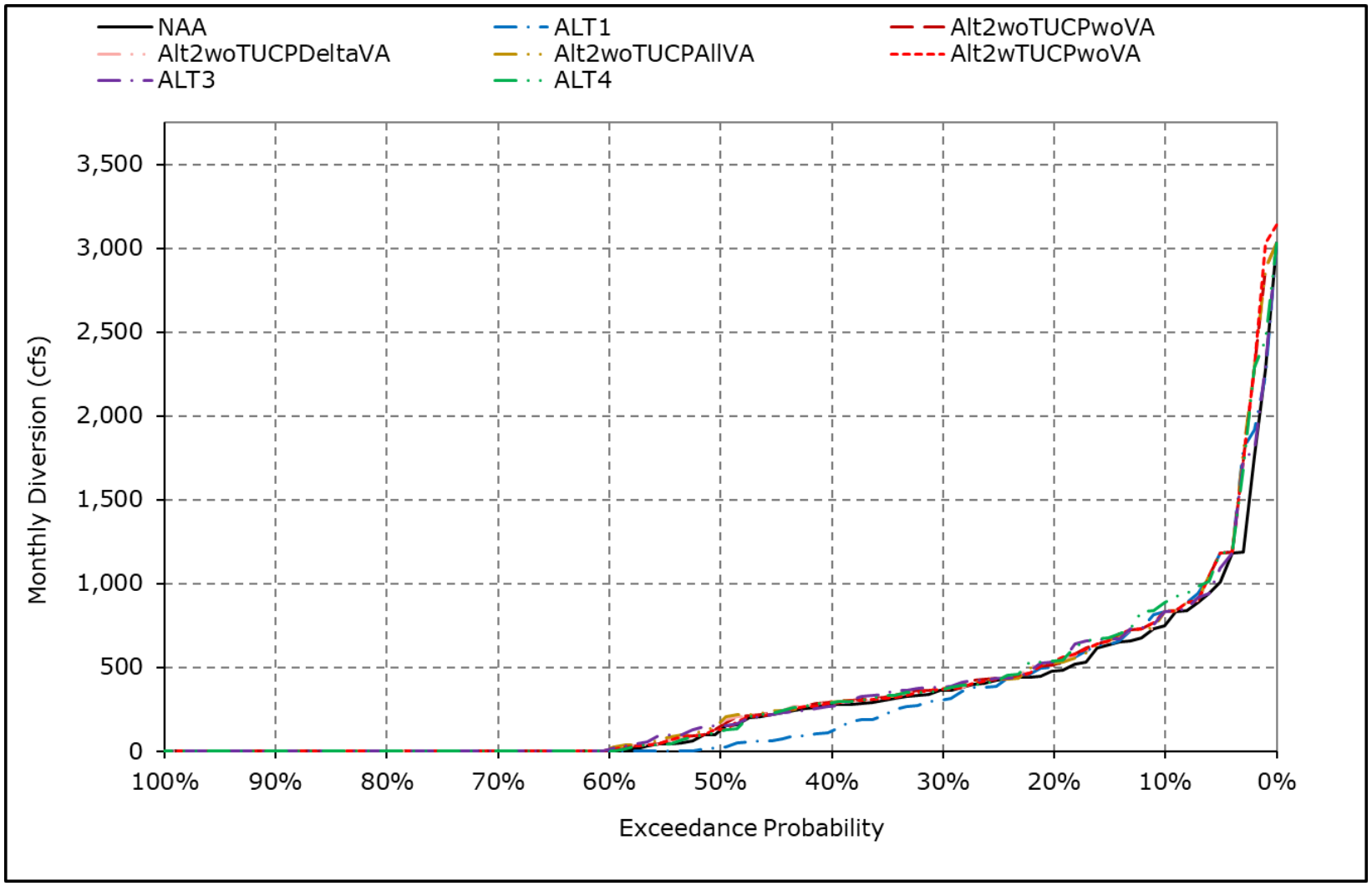
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-1-10. Trinity Import–Clear Creek Tunnel, January



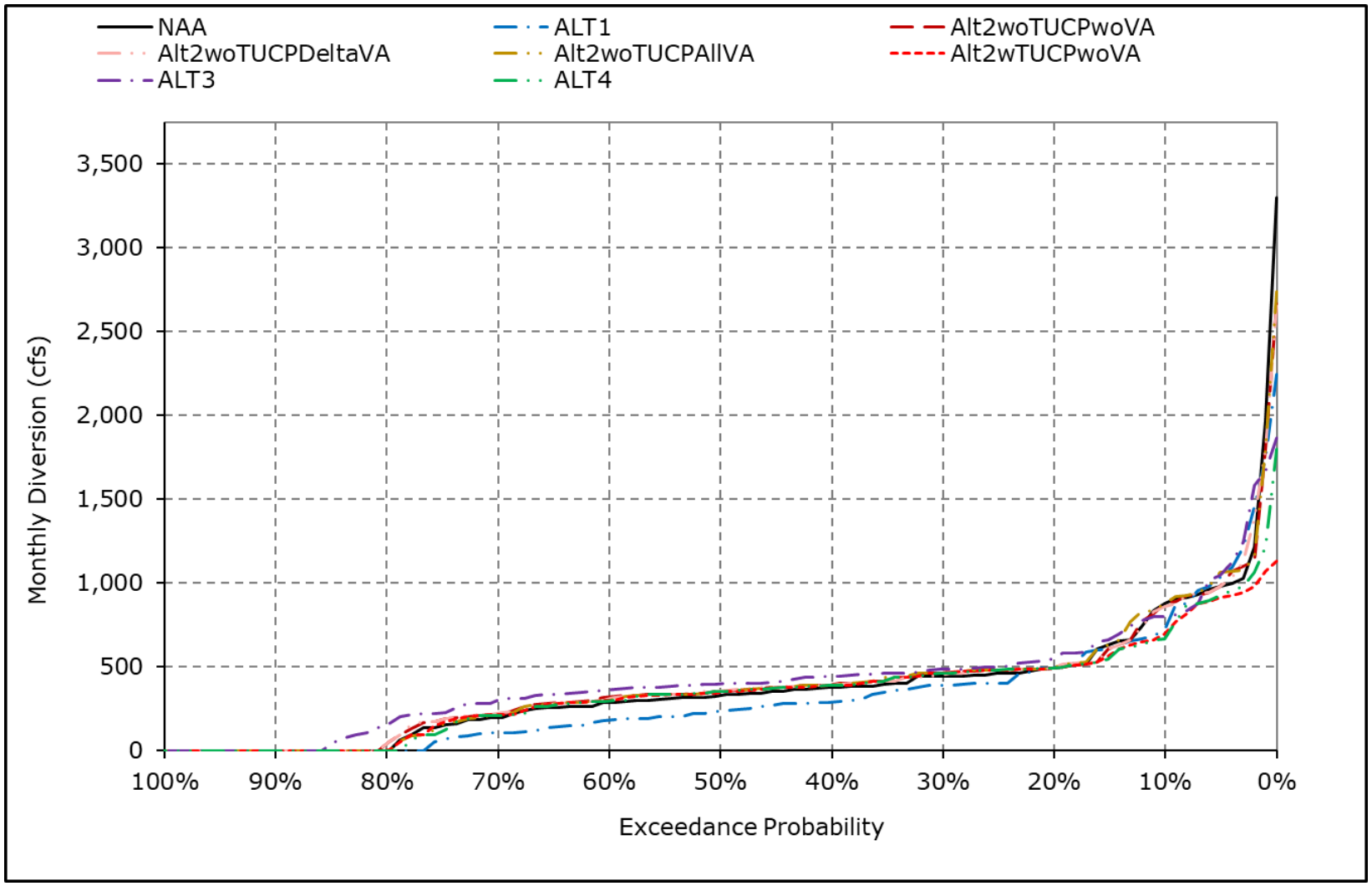
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-1-11. Trinity Import–Clear Creek Tunnel, February



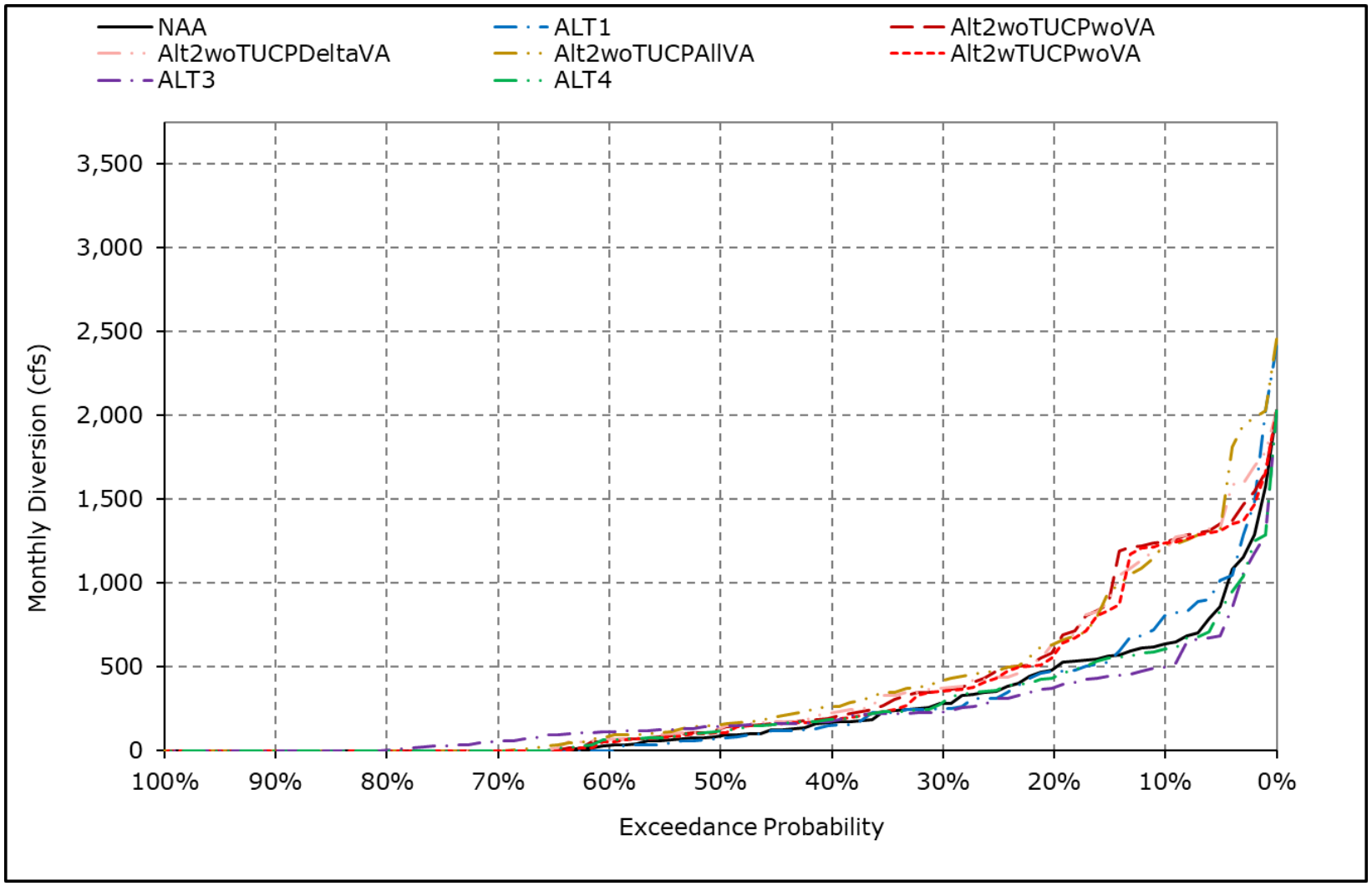
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-1-12. Trinity Import–Clear Creek Tunnel, March



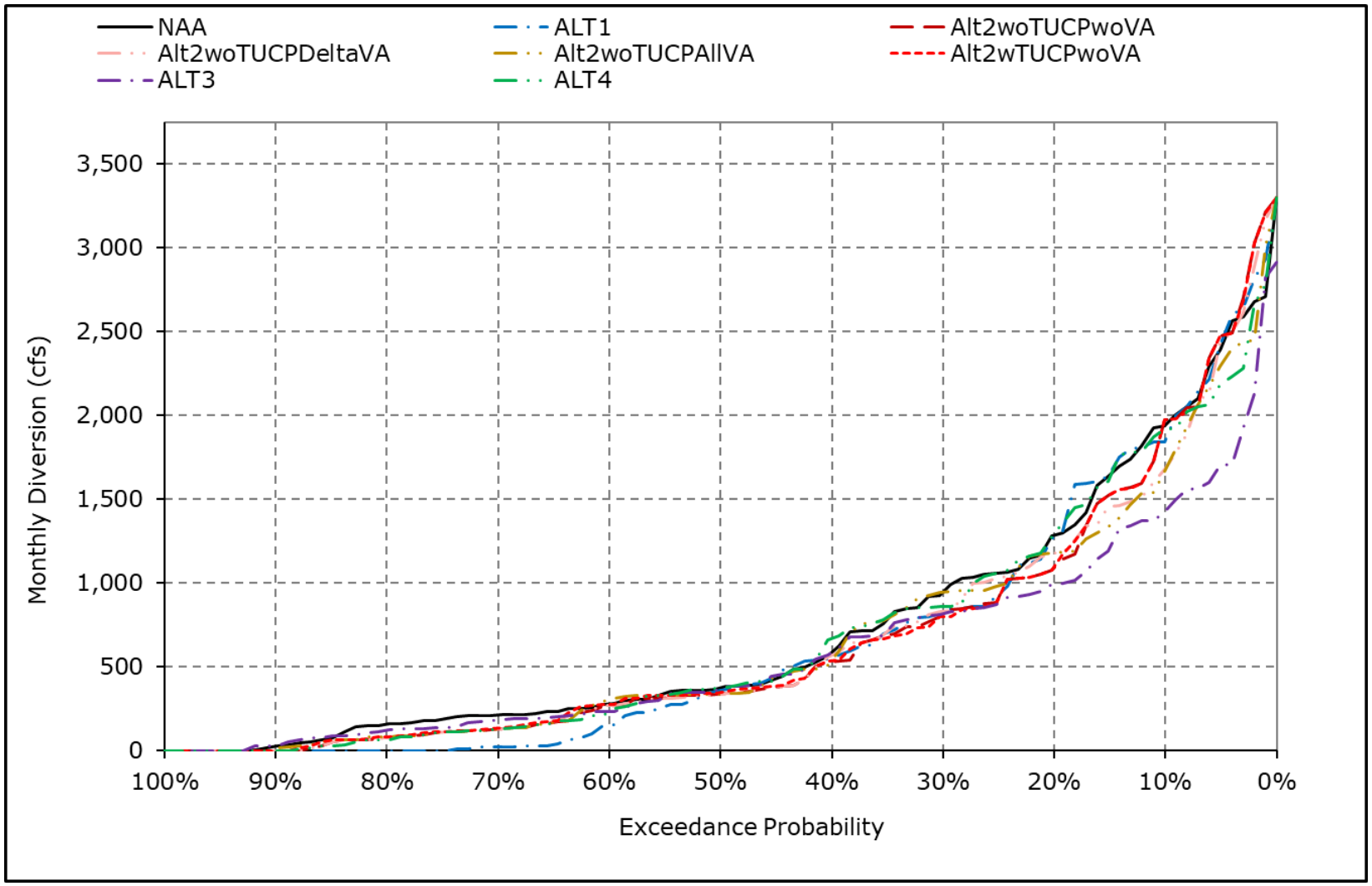
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-1-13. Trinity Import–Clear Creek Tunnel, April



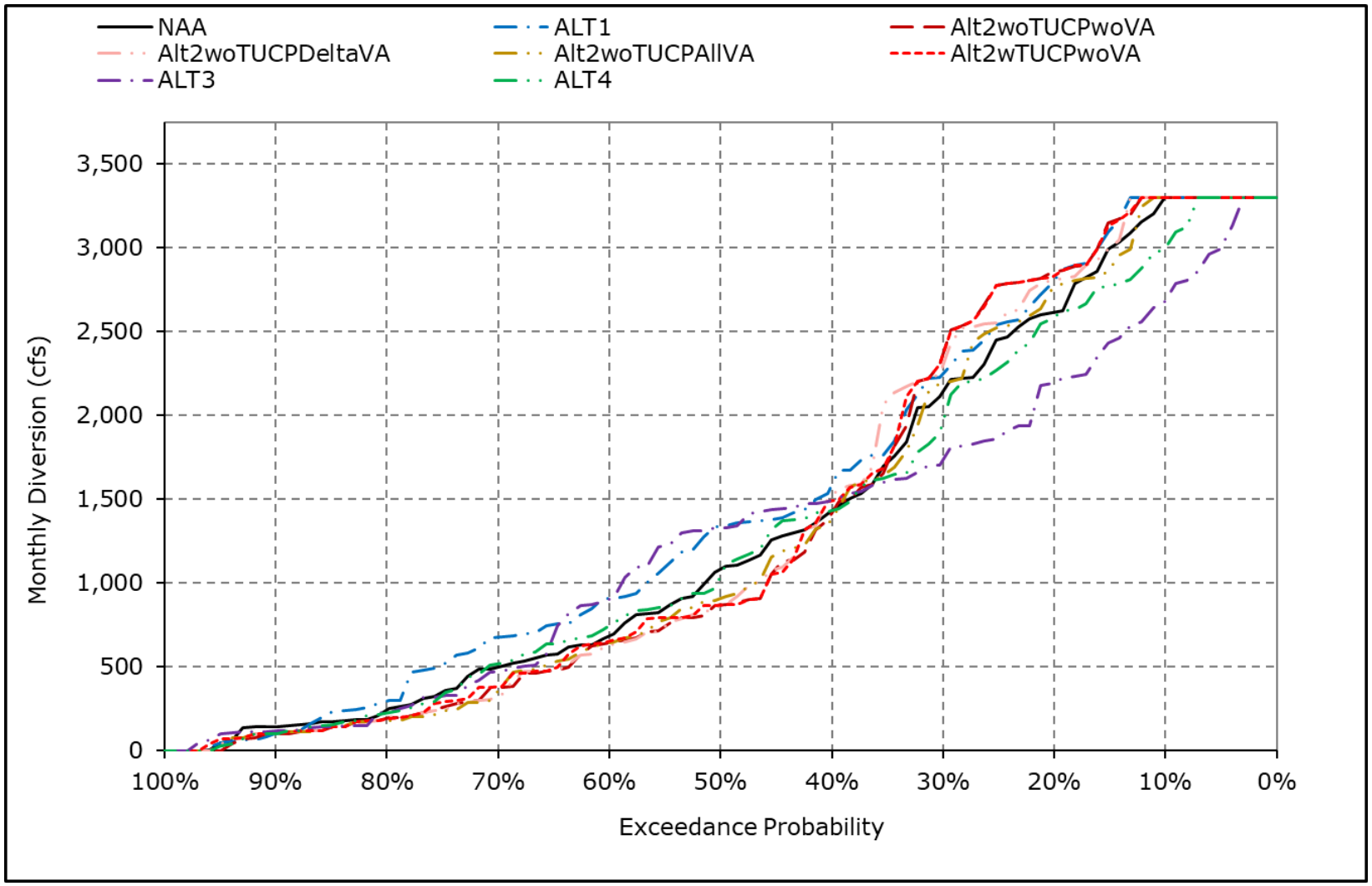
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-1-14. Trinity Import–Clear Creek Tunnel, May



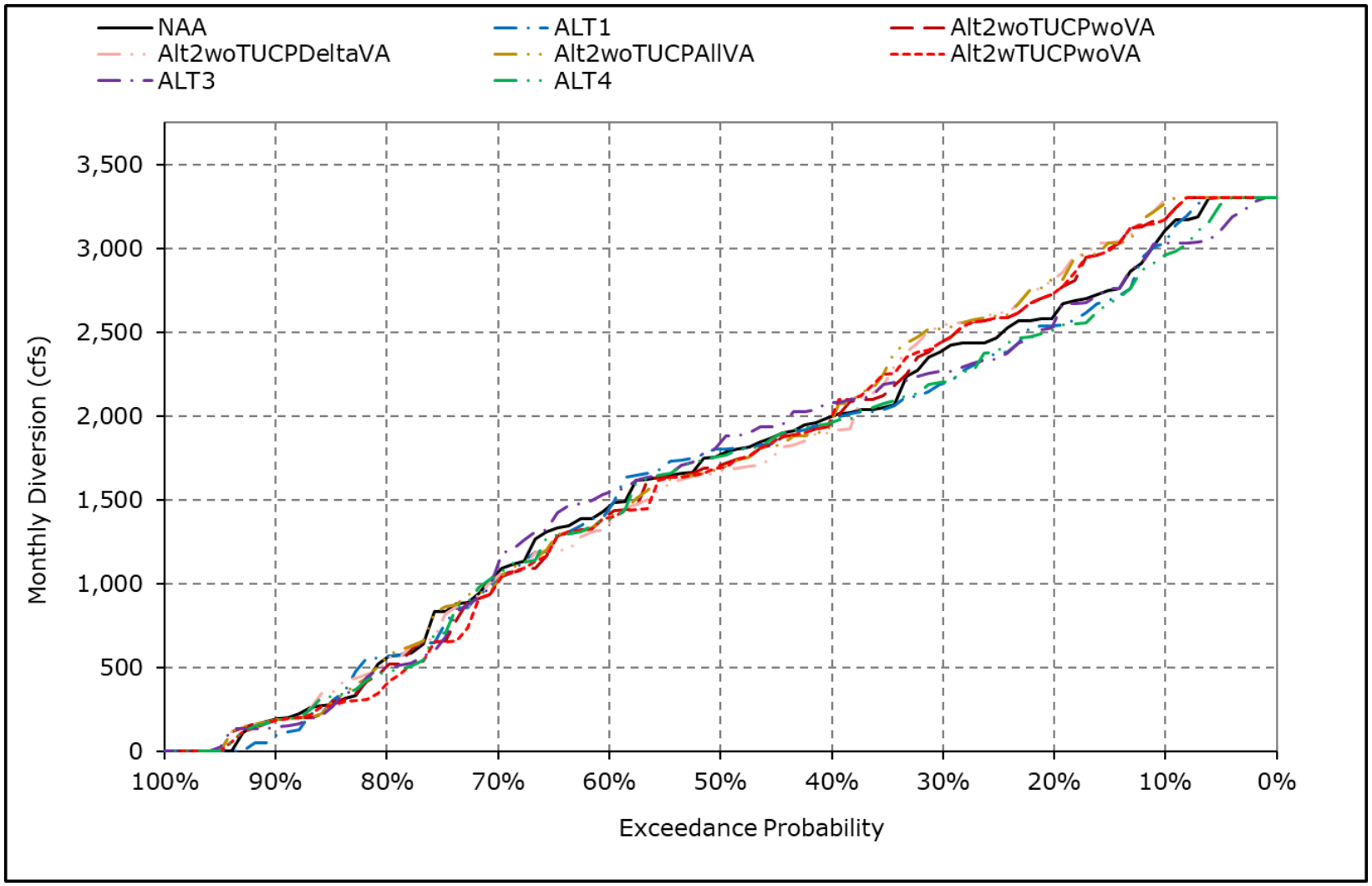
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-1-15. Trinity Import–Clear Creek Tunnel, June



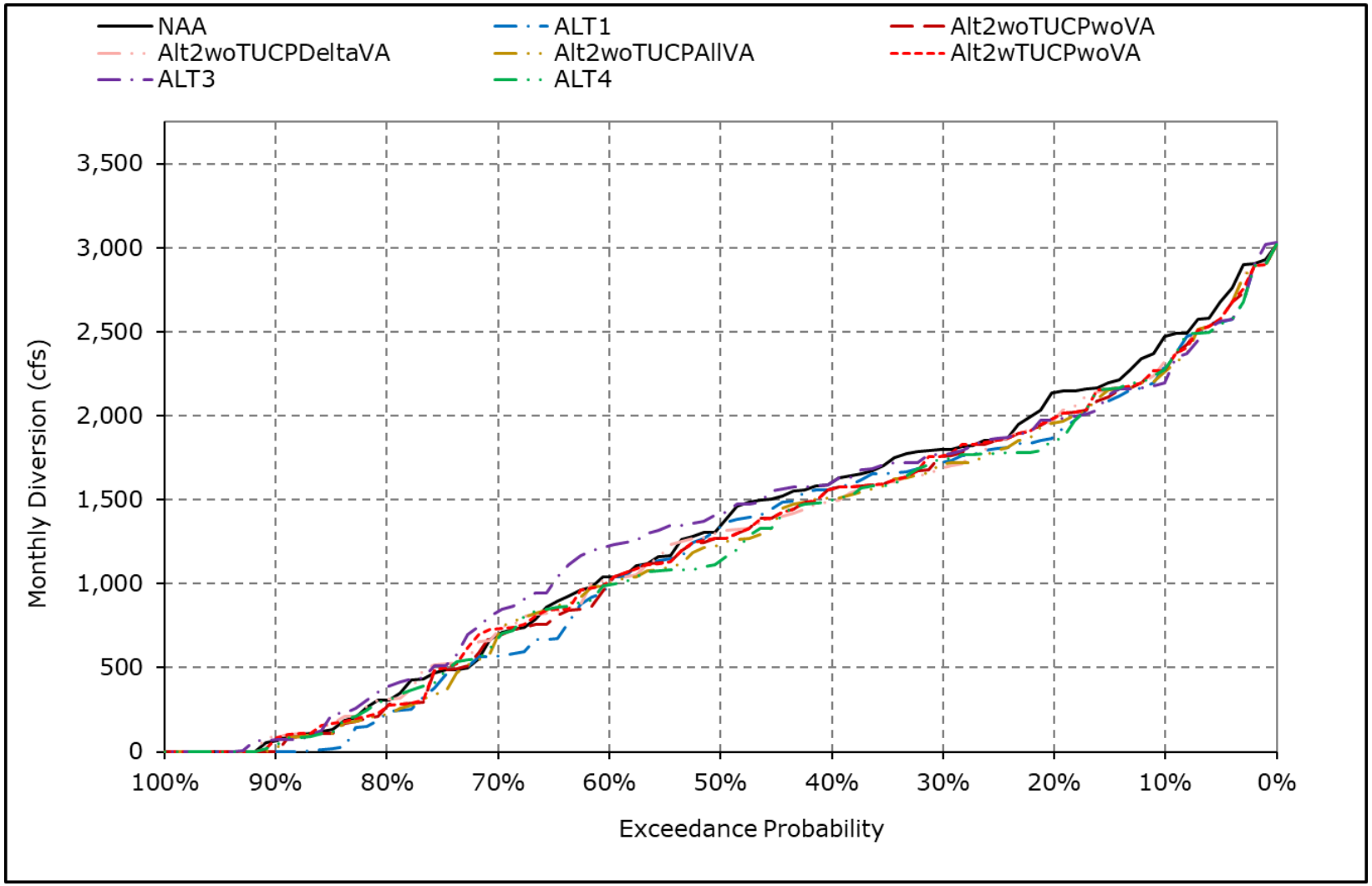
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-1-16. Trinity Import–Clear Creek Tunnel, July



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

Figure F.2.3-1-17. Trinity Import–Clear Creek Tunnel, August



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

Figure F.2.3-1-18. Trinity Import–Clear Creek Tunnel, September

Table F.2.3-2-1a. Red Bluff Diversion–Tehama Colusa Canal, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	333	45	27	71	55	44	613	908	1,156	1,282	1,220	718
20% Exceedance	304	44	25	66	48	30	587	875	1,128	1,226	1,178	700
30% Exceedance	273	42	24	60	45	22	548	834	1,079	1,195	1,147	650
40% Exceedance	237	40	23	55	42	21	491	775	1,040	1,150	1,119	610
50% Exceedance	206	37	20	52	37	20	424	733	1,010	1,093	1,032	552
60% Exceedance	175	31	16	49	34	20	372	690	952	1,027	982	463
70% Exceedance	141	25	11	43	30	20	277	633	845	845	840	408
80% Exceedance	83	22	9	37	21	20	128	535	755	767	778	341
90% Exceedance	52	10	0	26	14	20	75	270	269	235	348	105
Full Simulation Period Average[a]	203	33	17	51	36	27	385	683	899	964	947	498
Wet Water Years (28%)	262	44	25	48	34	23	385	745	1,077	1,219	1,181	663
Above Normal Water Years (14%)	217	42	25	47	29	23	528	809	1,101	1,193	1,128	662
Below Normal Water Years (18%)	215	34	18	54	40	32	458	779	997	1,061	1,019	523
Dry Water Years (24%)	188	26	12	56	39	28	407	713	883	888	872	430
Critical Water Years (16%)	87	12	2	49	39	28	143	311	323	321	412	140

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

Table F.2.3-2-1b. Red Bluff Diversion–Tehama Colusa Canal, Alternative 1, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	333	45	27	71	55	47	615	912	1,156	1,282	1,220	718
20% Exceedance	303	44	25	66	48	30	593	894	1,128	1,228	1,178	700
30% Exceedance	274	42	24	60	45	23	552	838	1,083	1,195	1,153	650
40% Exceedance	245	41	23	55	42	21	511	781	1,040	1,158	1,119	616
50% Exceedance	212	37	20	52	37	20	440	750	1,013	1,122	1,047	551
60% Exceedance	176	32	16	49	34	20	385	703	981	1,033	975	475
70% Exceedance	143	26	12	44	30	20	322	643	897	903	880	432
80% Exceedance	92	22	9	38	21	20	134	560	780	784	778	349
90% Exceedance	49	11	1	26	14	20	75	280	282	257	354	106
Full Simulation Period Average[a]	204	33	17	51	36	27	394	693	912	978	958	504
Wet Water Years (28%)	262	44	25	48	34	23	385	746	1,078	1,220	1,182	664
Above Normal Water Years (14%)	217	42	25	47	29	23	532	815	1,108	1,200	1,134	666
Below Normal Water Years (18%)	215	34	17	55	40	32	460	782	998	1,059	1,017	520
Dry Water Years (24%)	194	28	13	56	39	29	434	744	921	930	908	453
Critical Water Years (16%)	85	13	2	49	39	29	154	319	340	342	420	141

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

Table F.2.3-2-1c. Red Bluff Diversion–Tehama Colusa Canal, Alternative 1 minus No Action Alternative, Monthly Diversion (cfs)

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

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

Table F.2.3-2-2a. Red Bluff Diversion–Tehama Colusa Canal, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	333	45	27	71	55	44	613	908	1,156	1,282	1,220	718
20% Exceedance	304	44	25	66	48	30	587	875	1,128	1,226	1,178	700
30% Exceedance	273	42	24	60	45	22	548	834	1,079	1,195	1,147	650
40% Exceedance	237	40	23	55	42	21	491	775	1,040	1,150	1,119	610
50% Exceedance	206	37	20	52	37	20	424	733	1,010	1,093	1,032	552
60% Exceedance	175	31	16	49	34	20	372	690	952	1,027	982	463
70% Exceedance	141	25	11	43	30	20	277	633	845	845	840	408
80% Exceedance	83	22	9	37	21	20	128	535	755	767	778	341
90% Exceedance	52	10	0	26	14	20	75	270	269	235	348	105
Full Simulation Period Average[a]	203	33	17	51	36	27	385	683	899	964	947	498
Wet Water Years (28%)	262	44	25	48	34	23	385	745	1,077	1,219	1,181	663
Above Normal Water Years (14%)	217	42	25	47	29	23	528	809	1,101	1,193	1,128	662
Below Normal Water Years (18%)	215	34	18	54	40	32	458	779	997	1,061	1,019	523
Dry Water Years (24%)	188	26	12	56	39	28	407	713	883	888	872	430
Critical Water Years (16%)	87	12	2	49	39	28	143	311	323	321	412	140

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

Table F.2.3-2-2b. Red Bluff Diversion–Tehama Colusa Canal, Alt2woTUCPwoVA, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	333	45	27	71	55	39	617	909	1,156	1,282	1,220	718
20% Exceedance	306	44	25	65	48	28	580	872	1,124	1,228	1,178	700
30% Exceedance	271	42	24	59	45	22	540	831	1,077	1,205	1,146	650
40% Exceedance	214	40	23	55	42	20	475	762	1,039	1,158	1,118	612
50% Exceedance	194	38	20	52	37	20	411	697	1,008	1,111	1,048	531
60% Exceedance	158	30	16	48	32	20	335	638	910	986	923	439
70% Exceedance	132	22	8	43	25	20	222	580	750	731	764	341
80% Exceedance	80	18	6	33	20	20	119	477	587	595	628	277
90% Exceedance	43	10	0	24	14	20	37	183	232	223	332	71
Full Simulation Period Average[a]	192	32	16	49	36	25	370	643	855	924	910	476
Wet Water Years (28%)	262	44	25	47	34	23	385	744	1,076	1,218	1,180	663
Above Normal Water Years (14%)	217	42	25	46	28	23	524	814	1,105	1,196	1,130	663
Below Normal Water Years (18%)	207	32	16	54	40	30	434	743	947	1,003	970	491
Dry Water Years (24%)	173	24	11	54	38	25	382	659	817	824	818	393
Critical Water Years (16%)	52	11	1	44	36	23	117	181	203	233	317	93

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

Table F.2.3-2-2c. Red Bluff Diversion–Tehama Colusa Canal, Alt2woTUCPwoVA minus No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	-5	4	0	0	0	0	0
20% Exceedance	2	0	0	-1	0	-2	-7	-3	-5	1	0	0
30% Exceedance	-2	0	0	-1	0	0	-8	-3	-2	10	0	0
40% Exceedance	-23	0	0	0	0	-1	-16	-13	-1	8	-1	2
50% Exceedance	-12	0	0	0	0	0	-13	-37	-2	18	16	-21
60% Exceedance	-17	-1	-1	-1	-2	0	-37	-52	-42	-41	-58	-25
70% Exceedance	-9	-4	-3	0	-4	0	-55	-53	-94	-114	-76	-67
80% Exceedance	-3	-4	-3	-4	-1	0	-8	-58	-169	-172	-150	-64
90% Exceedance	-9	0	0	-3	-1	0	-37	-88	-37	-12	-16	-34
Full Simulation Period Average[a]	-11	-1	-1	-1	-1	-2	-15	-40	-44	-40	-37	-22
Wet Water Years (28%)	0	0	0	-1	0	0	0	-1	-1	-1	-1	0
Above Normal Water Years (14%)	0	0	0	-1	-1	0	-3	5	4	3	2	0
Below Normal Water Years (18%)	-8	-2	-2	0	0	-2	-25	-36	-50	-58	-49	-32
Dry Water Years (24%)	-15	-2	-1	-1	-1	-4	-26	-54	-66	-64	-54	-37
Critical Water Years (16%)	-36	-1	-1	-4	-3	-5	-27	-130	-120	-88	-95	-47

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

Table F.2.3-2-3a. Red Bluff Diversion–Tehama Colusa Canal, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	333	45	27	71	55	44	613	908	1,156	1,282	1,220	718
20% Exceedance	304	44	25	66	48	30	587	875	1,128	1,226	1,178	700
30% Exceedance	273	42	24	60	45	22	548	834	1,079	1,195	1,147	650
40% Exceedance	237	40	23	55	42	21	491	775	1,040	1,150	1,119	610
50% Exceedance	206	37	20	52	37	20	424	733	1,010	1,093	1,032	552
60% Exceedance	175	31	16	49	34	20	372	690	952	1,027	982	463
70% Exceedance	141	25	11	43	30	20	277	633	845	845	840	408
80% Exceedance	83	22	9	37	21	20	128	535	755	767	778	341
90% Exceedance	52	10	0	26	14	20	75	270	269	235	348	105
Full Simulation Period Average[a]	203	33	17	51	36	27	385	683	899	964	947	498
Wet Water Years (28%)	262	44	25	48	34	23	385	745	1,077	1,219	1,181	663
Above Normal Water Years (14%)	217	42	25	47	29	23	528	809	1,101	1,193	1,128	662
Below Normal Water Years (18%)	215	34	18	54	40	32	458	779	997	1,061	1,019	523
Dry Water Years (24%)	188	26	12	56	39	28	407	713	883	888	872	430
Critical Water Years (16%)	87	12	2	49	39	28	143	311	323	321	412	140

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

Table F.2.3-2-3b. Red Bluff Diversion–Tehama Colusa Canal, Alt2woTUCPDeltaVA, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	333	45	27	71	55	39	616	909	1,158	1,282	1,220	718
20% Exceedance	307	44	25	65	48	29	581	881	1,128	1,228	1,178	700
30% Exceedance	268	42	24	59	45	22	539	830	1,079	1,205	1,146	652
40% Exceedance	213	41	23	55	42	20	473	758	1,039	1,158	1,119	612
50% Exceedance	190	38	20	52	37	20	413	697	1,010	1,116	1,047	526
60% Exceedance	158	29	16	48	32	20	334	642	910	979	912	439
70% Exceedance	135	21	8	42	25	20	213	569	781	728	758	338
80% Exceedance	81	18	6	33	20	20	125	477	593	591	620	278
90% Exceedance	48	10	0	23	14	20	37	230	250	226	338	92
Full Simulation Period Average[a]	193	32	16	50	36	25	370	645	861	928	913	477
Wet Water Years (28%)	262	44	25	47	34	23	385	744	1,076	1,218	1,180	663
Above Normal Water Years (14%)	217	42	25	46	28	23	524	815	1,106	1,197	1,131	663
Below Normal Water Years (18%)	204	32	16	54	40	30	429	733	939	995	963	486
Dry Water Years (24%)	174	25	11	55	38	25	381	660	825	831	823	395
Critical Water Years (16%)	60	11	1	44	36	24	127	199	233	259	335	102

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

Table F.2.3-2-3c. Red Bluff Diversion–Tehama Colusa Canal, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	-5	3	0	2	0	0	0
20% Exceedance	2	0	0	-1	0	-1	-6	6	0	2	0	0
30% Exceedance	-5	0	0	-1	0	0	-10	-5	1	10	0	3
40% Exceedance	-24	0	0	0	0	-1	-18	-17	-1	8	0	2
50% Exceedance	-16	1	0	0	0	0	-11	-37	0	22	15	-26
60% Exceedance	-17	-2	-1	0	-2	0	-38	-49	-42	-47	-69	-24
70% Exceedance	-5	-4	-3	-1	-4	0	-64	-63	-64	-117	-82	-69
80% Exceedance	-2	-4	-3	-4	-1	0	-2	-58	-163	-176	-157	-62
90% Exceedance	-4	0	0	-3	-1	0	-37	-40	-19	-9	-10	-13
Full Simulation Period Average[a]	-10	-1	-1	-1	-1	-2	-15	-38	-39	-35	-34	-21
Wet Water Years (28%)	0	0	0	-1	0	0	-1	-1	-1	-1	-1	0
Above Normal Water Years (14%)	0	0	0	0	-1	0	-4	5	5	4	3	1
Below Normal Water Years (18%)	-12	-2	-2	0	0	-2	-29	-45	-58	-66	-56	-37
Dry Water Years (24%)	-15	-2	-1	-1	-1	-3	-27	-53	-58	-57	-49	-35
Critical Water Years (16%)	-28	-1	-1	-4	-3	-4	-17	-112	-91	-63	-77	-38

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

Table F.2.3-2-4a. Red Bluff Diversion–Tehama Colusa Canal, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	333	45	27	71	55	44	613	908	1,156	1,282	1,220	718
20% Exceedance	304	44	25	66	48	30	587	875	1,128	1,226	1,178	700
30% Exceedance	273	42	24	60	45	22	548	834	1,079	1,195	1,147	650
40% Exceedance	237	40	23	55	42	21	491	775	1,040	1,150	1,119	610
50% Exceedance	206	37	20	52	37	20	424	733	1,010	1,093	1,032	552
60% Exceedance	175	31	16	49	34	20	372	690	952	1,027	982	463
70% Exceedance	141	25	11	43	30	20	277	633	845	845	840	408
80% Exceedance	83	22	9	37	21	20	128	535	755	767	778	341
90% Exceedance	52	10	0	26	14	20	75	270	269	235	348	105
Full Simulation Period Average[a]	203	33	17	51	36	27	385	683	899	964	947	498
Wet Water Years (28%)	262	44	25	48	34	23	385	745	1,077	1,219	1,181	663
Above Normal Water Years (14%)	217	42	25	47	29	23	528	809	1,101	1,193	1,128	662
Below Normal Water Years (18%)	215	34	18	54	40	32	458	779	997	1,061	1,019	523
Dry Water Years (24%)	188	26	12	56	39	28	407	713	883	888	872	430
Critical Water Years (16%)	87	12	2	49	39	28	143	311	323	321	412	140

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

Table F.2.3-2-4b. Red Bluff Diversion–Tehama Colusa Canal, Alt2woTUCPAllVA, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	333	45	27	71	55	39	614	905	1,157	1,282	1,220	718
20% Exceedance	309	44	25	65	48	29	579	864	1,128	1,224	1,178	700
30% Exceedance	271	42	24	59	45	22	537	823	1,076	1,205	1,140	650
40% Exceedance	216	40	23	55	42	20	478	760	1,039	1,157	1,119	610
50% Exceedance	193	37	20	52	37	20	414	697	1,008	1,112	1,058	527
60% Exceedance	165	29	15	48	32	20	332	642	926	985	918	449
70% Exceedance	130	22	9	43	25	20	224	588	782	750	774	343
80% Exceedance	79	18	6	34	20	20	112	477	636	656	665	278
90% Exceedance	43	10	0	24	14	20	37	183	232	223	330	71
Full Simulation Period Average[a]	193	32	16	50	36	25	369	644	859	928	913	478
Wet Water Years (28%)	262	44	25	47	34	23	385	745	1,077	1,218	1,180	663
Above Normal Water Years (14%)	217	42	25	46	28	23	522	813	1,104	1,195	1,129	662
Below Normal Water Years (18%)	207	32	16	54	40	30	431	743	951	1,007	973	492
Dry Water Years (24%)	174	25	11	55	38	25	382	665	831	837	828	400
Critical Water Years (16%)	51	11	1	44	36	23	116	177	205	235	318	93

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

Table F.2.3-2-4c. Red Bluff Diversion–Tehama Colusa Canal, Alt2woTUCPAllVA minus No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	-5	1	-3	1	0	0	0
20% Exceedance	5	0	0	-1	0	-1	-8	-11	0	-2	0	0
30% Exceedance	-2	0	0	-1	0	0	-11	-11	-2	10	-7	0
40% Exceedance	-21	0	0	0	0	-1	-13	-15	-1	6	0	0
50% Exceedance	-13	0	0	0	0	0	-10	-37	-1	18	26	-25
60% Exceedance	-10	-2	-1	0	-2	0	-40	-48	-26	-42	-63	-14
70% Exceedance	-10	-3	-3	0	-4	0	-53	-44	-63	-95	-65	-65
80% Exceedance	-4	-3	-3	-4	-1	0	-16	-58	-119	-111	-112	-63
90% Exceedance	-9	0	0	-3	-1	0	-37	-88	-37	-12	-17	-34
Full Simulation Period Average[a]	-10	-1	-1	-1	-1	-2	-16	-39	-40	-36	-34	-20
Wet Water Years (28%)	0	0	0	-1	0	0	-1	-1	-1	-1	-1	0
Above Normal Water Years (14%)	0	0	0	-1	-1	0	-5	3	3	2	1	0
Below Normal Water Years (18%)	-8	-2	-1	0	0	-2	-27	-35	-46	-54	-46	-31
Dry Water Years (24%)	-14	-2	-1	-1	-1	-3	-26	-48	-52	-51	-44	-30
Critical Water Years (16%)	-37	-1	-1	-4	-3	-5	-27	-134	-118	-86	-94	-47

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

Table F.2.3-2-5a. Red Bluff Diversion–Tehama Colusa Canal, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	333	45	27	71	55	44	613	908	1,156	1,282	1,220	718
20% Exceedance	304	44	25	66	48	30	587	875	1,128	1,226	1,178	700
30% Exceedance	273	42	24	60	45	22	548	834	1,079	1,195	1,147	650
40% Exceedance	237	40	23	55	42	21	491	775	1,040	1,150	1,119	610
50% Exceedance	206	37	20	52	37	20	424	733	1,010	1,093	1,032	552
60% Exceedance	175	31	16	49	34	20	372	690	952	1,027	982	463
70% Exceedance	141	25	11	43	30	20	277	633	845	845	840	408
80% Exceedance	83	22	9	37	21	20	128	535	755	767	778	341
90% Exceedance	52	10	0	26	14	20	75	270	269	235	348	105
Full Simulation Period Average[a]	203	33	17	51	36	27	385	683	899	964	947	498
Wet Water Years (28%)	262	44	25	48	34	23	385	745	1,077	1,219	1,181	663
Above Normal Water Years (14%)	217	42	25	47	29	23	528	809	1,101	1,193	1,128	662
Below Normal Water Years (18%)	215	34	18	54	40	32	458	779	997	1,061	1,019	523
Dry Water Years (24%)	188	26	12	56	39	28	407	713	883	888	872	430
Critical Water Years (16%)	87	12	2	49	39	28	143	311	323	321	412	140

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

Table F.2.3-2-5b. Red Bluff Diversion–Tehama Colusa Canal, Alt2wTUCPwoVA, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	333	45	27	71	55	39	617	909	1,156	1,282	1,220	718
20% Exceedance	309	44	25	65	48	28	580	872	1,128	1,228	1,178	700
30% Exceedance	271	42	24	59	45	22	540	831	1,077	1,205	1,146	650
40% Exceedance	221	40	23	55	42	20	485	763	1,039	1,158	1,119	612
50% Exceedance	194	38	20	52	37	20	415	713	1,008	1,111	1,048	531
60% Exceedance	172	30	16	48	32	20	337	642	911	986	924	439
70% Exceedance	137	22	9	43	25	20	239	581	790	779	794	356
80% Exceedance	80	18	6	34	20	20	126	493	652	617	636	287
90% Exceedance	49	10	0	24	14	20	37	203	232	223	341	104
Full Simulation Period Average[a]	195	32	17	50	36	25	373	649	863	932	920	482
Wet Water Years (28%)	262	44	25	47	34	23	385	744	1,076	1,218	1,180	663
Above Normal Water Years (14%)	217	42	25	46	28	23	526	814	1,105	1,196	1,130	663
Below Normal Water Years (18%)	213	33	17	54	40	30	446	765	974	1,033	995	507
Dry Water Years (24%)	175	25	11	55	38	25	385	665	826	833	826	398
Critical Water Years (16%)	61	11	1	44	36	23	117	186	206	234	340	107

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

Table F.2.3-2-5c. Red Bluff Diversion–Tehama Colusa Canal, Alt2wTUCPwoVA minus No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	-5	4	0	0	0	0	0
20% Exceedance	5	0	0	-1	0	-2	-7	-3	0	2	0	0
30% Exceedance	-2	0	0	-1	0	0	-8	-3	-2	10	0	0
40% Exceedance	-16	0	0	0	0	0	-6	-12	-1	8	0	2
50% Exceedance	-12	0	0	0	0	0	-9	-20	-2	18	16	-21
60% Exceedance	-3	-1	-1	-1	-2	0	-35	-48	-42	-40	-58	-24
70% Exceedance	-4	-3	-2	0	-4	0	-37	-51	-55	-66	-45	-52
80% Exceedance	-3	-4	-3	-3	-1	0	-1	-42	-103	-150	-141	-54
90% Exceedance	-4	0	0	-3	-1	0	-37	-67	-37	-12	-7	-1
Full Simulation Period Average[a]	-8	-1	-1	-1	-1	-2	-12	-33	-36	-32	-27	-16
Wet Water Years (28%)	0	0	0	-1	0	0	0	-1	-1	-1	-1	0
Above Normal Water Years (14%)	0	0	0	-1	-1	0	-2	5	4	3	2	0
Below Normal Water Years (18%)	-2	-1	-1	0	0	-2	-13	-14	-23	-28	-23	-15
Dry Water Years (24%)	-13	-2	-1	-1	-1	-4	-22	-48	-57	-55	-46	-32
Critical Water Years (16%)	-27	-1	-1	-4	-3	-5	-26	-125	-118	-87	-73	-33

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

Table F.2.3-2-6a. Red Bluff Diversion–Tehama Colusa Canal, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	333	45	27	71	55	44	613	908	1,156	1,282	1,220	718
20% Exceedance	304	44	25	66	48	30	587	875	1,128	1,226	1,178	700
30% Exceedance	273	42	24	60	45	22	548	834	1,079	1,195	1,147	650
40% Exceedance	237	40	23	55	42	21	491	775	1,040	1,150	1,119	610
50% Exceedance	206	37	20	52	37	20	424	733	1,010	1,093	1,032	552
60% Exceedance	175	31	16	49	34	20	372	690	952	1,027	982	463
70% Exceedance	141	25	11	43	30	20	277	633	845	845	840	408
80% Exceedance	83	22	9	37	21	20	128	535	755	767	778	341
90% Exceedance	52	10	0	26	14	20	75	270	269	235	348	105
Full Simulation Period Average[a]	203	33	17	51	36	27	385	683	899	964	947	498
Wet Water Years (28%)	262	44	25	48	34	23	385	745	1,077	1,219	1,181	663
Above Normal Water Years (14%)	217	42	25	47	29	23	528	809	1,101	1,193	1,128	662
Below Normal Water Years (18%)	215	34	18	54	40	32	458	779	997	1,061	1,019	523
Dry Water Years (24%)	188	26	12	56	39	28	407	713	883	888	872	430
Critical Water Years (16%)	87	12	2	49	39	28	143	311	323	321	412	140

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

Table F.2.3-2-6b. Red Bluff Diversion–Tehama Colusa Canal, Alternative 3, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	324	45	26	64	49	22	606	907	1,157	1,279	1,218	716
20% Exceedance	306	44	24	55	45	20	575	879	1,128	1,226	1,180	702
30% Exceedance	269	43	22	51	40	20	525	833	1,076	1,205	1,146	650
40% Exceedance	207	41	17	44	35	20	445	758	1,037	1,159	1,119	614
50% Exceedance	174	38	0	37	30	20	260	704	1,014	1,111	1,059	565
60% Exceedance	146	34	0	24	21	20	37	609	983	1,053	973	464
70% Exceedance	81	20	0	0	13	20	37	492	668	705	709	302
80% Exceedance	23	10	0	0	0	20	37	69	95	146	273	71
90% Exceedance	23	10	0	0	0	20	37	69	95	146	273	71
Full Simulation Period Average[a]	178	32	10	31	26	21	289	587	801	883	880	461
Wet Water Years (28%)	261	44	18	45	7	23	384	743	1,076	1,218	1,181	664
Above Normal Water Years (14%)	217	42	14	35	22	21	482	816	1,111	1,203	1,136	667
Below Normal Water Years (18%)	174	32	11	30	35	23	319	626	834	919	906	457
Dry Water Years (24%)	144	23	5	21	36	20	213	546	706	732	740	350
Critical Water Years (16%)	43	11	0	21	39	20	36	128	154	204	313	93

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

Table F.2.3-2-6c. Red Bluff Diversion–Tehama Colusa Canal, Alternative 3 minus No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-10	0	-1	-7	-6	-22	-7	-2	1	-3	-2	-2
20% Exceedance	2	0	-1	-11	-4	-10	-11	4	0	0	2	2
30% Exceedance	-3	0	-2	-9	-5	-3	-23	-1	-3	10	0	0
40% Exceedance	-30	0	-6	-11	-7	-1	-47	-16	-3	9	0	4
50% Exceedance	-32	1	-20	-15	-7	0	-164	-30	4	17	27	13
60% Exceedance	-29	3	-16	-24	-14	0	-335	-81	31	26	-9	0
70% Exceedance	-60	-5	-11	-43	-16	0	-239	-141	-177	-140	-131	-105
80% Exceedance	-60	-11	-9	-37	-21	0	-90	-466	-660	-621	-505	-270
90% Exceedance	-29	0	0	-26	-14	0	-37	-201	-174	-89	-75	-34
Full Simulation Period Average[a]	-25	-1	-7	-19	-10	-6	-96	-96	-98	-80	-67	-38
Wet Water Years (28%)	0	0	-7	-3	-27	0	-1	-2	-1	0	0	0
Above Normal Water Years (14%)	0	0	-10	-12	-7	-3	-46	7	9	9	8	5
Below Normal Water Years (18%)	-41	-3	-7	-24	-5	-9	-139	-153	-164	-142	-113	-65
Dry Water Years (24%)	-44	-3	-7	-35	-2	-8	-195	-166	-177	-156	-132	-80
Critical Water Years (16%)	-44	-1	-2	-27	0	-8	-107	-183	-169	-118	-99	-47

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

Table F.2.3-2-7a. Red Bluff Diversion–Tehama Colusa Canal, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	333	45	27	71	55	44	613	908	1,156	1,282	1,220	718
20% Exceedance	304	44	25	66	48	30	587	875	1,128	1,226	1,178	700
30% Exceedance	273	42	24	60	45	22	548	834	1,079	1,195	1,147	650
40% Exceedance	237	40	23	55	42	21	491	775	1,040	1,150	1,119	610
50% Exceedance	206	37	20	52	37	20	424	733	1,010	1,093	1,032	552
60% Exceedance	175	31	16	49	34	20	372	690	952	1,027	982	463
70% Exceedance	141	25	11	43	30	20	277	633	845	845	840	408
80% Exceedance	83	22	9	37	21	20	128	535	755	767	778	341
90% Exceedance	52	10	0	26	14	20	75	270	269	235	348	105
Full Simulation Period Average[a]	203	33	17	51	36	27	385	683	899	964	947	498
Wet Water Years (28%)	262	44	25	48	34	23	385	745	1,077	1,219	1,181	663
Above Normal Water Years (14%)	217	42	25	47	29	23	528	809	1,101	1,193	1,128	662
Below Normal Water Years (18%)	215	34	18	54	40	32	458	779	997	1,061	1,019	523
Dry Water Years (24%)	188	26	12	56	39	28	407	713	883	888	872	430
Critical Water Years (16%)	87	12	2	49	39	28	143	311	323	321	412	140

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

Table F.2.3-2-7b. Red Bluff Diversion–Tehama Colusa Canal, Alternative 4, Monthly Diversion (cfs)

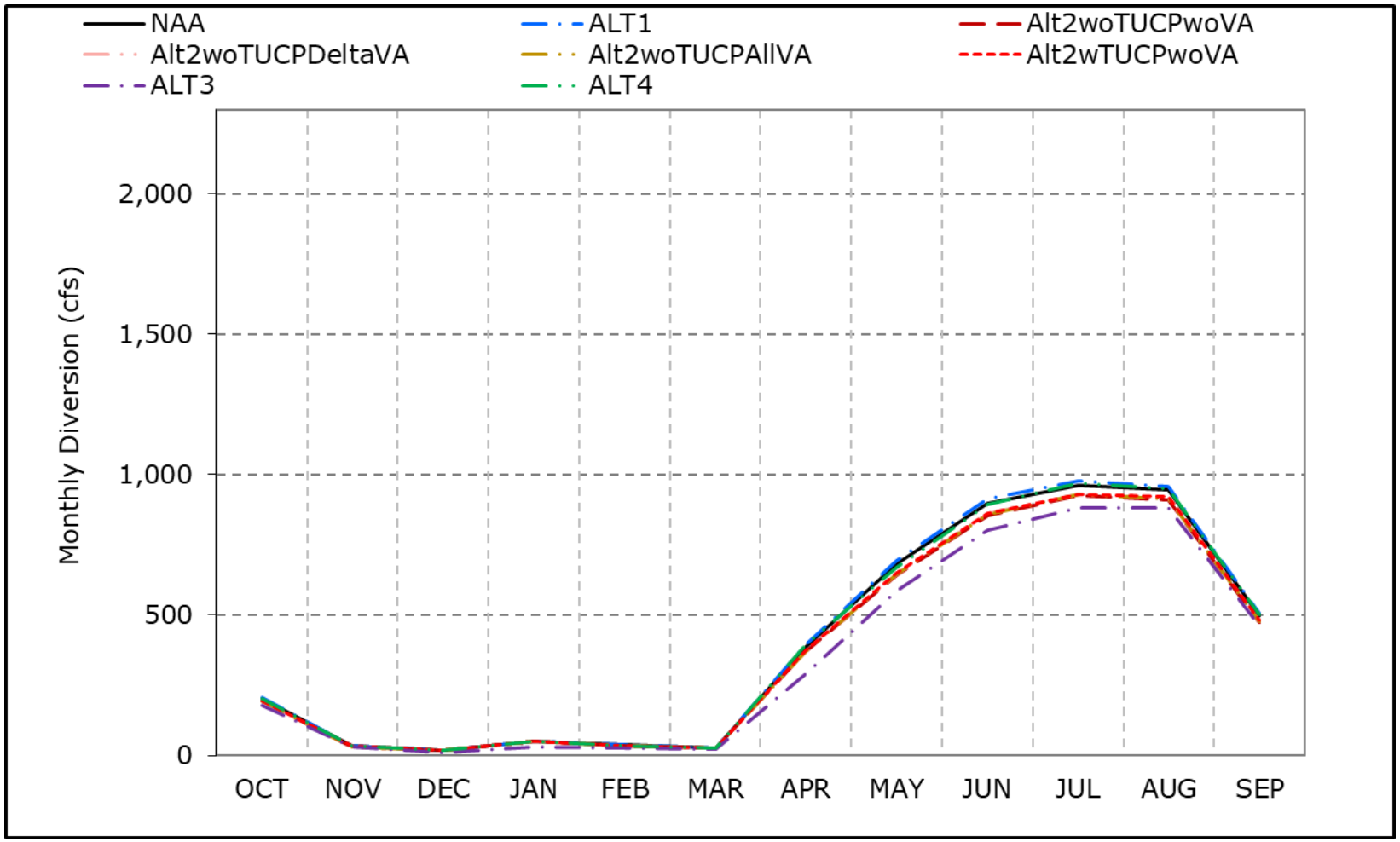
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	333	45	27	71	55	46	639	909	1,156	1,282	1,220	718
20% Exceedance	304	44	25	65	48	30	601	892	1,132	1,228	1,182	700
30% Exceedance	276	42	24	59	45	23	572	848	1,083	1,203	1,153	653
40% Exceedance	241	41	23	56	42	21	516	792	1,043	1,165	1,121	616
50% Exceedance	205	39	21	53	37	20	446	745	1,014	1,126	1,059	569
60% Exceedance	174	34	18	49	32	20	412	697	982	1,056	1,012	498
70% Exceedance	143	27	13	43	26	20	299	633	894	931	921	442
80% Exceedance	97	22	9	36	20	20	108	519	746	736	734	321
90% Exceedance	46	10	0	24	14	20	37	137	300	267	366	110
Full Simulation Period Average[a]	201	33	18	51	36	26	395	670	895	969	951	503
Wet Water Years (28%)	262	44	25	48	34	23	393	745	1,078	1,220	1,182	664
Above Normal Water Years (14%)	217	42	25	47	28	24	548	816	1,110	1,202	1,135	667
Below Normal Water Years (18%)	220	35	18	54	39	33	478	794	1,019	1,087	1,041	538
Dry Water Years (24%)	187	28	13	56	39	28	442	715	898	917	899	447
Critical Water Years (16%)	71	12	1	46	37	24	101	205	241	269	365	124

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

Table F.2.3-2-7c. Red Bluff Diversion–Tehama Colusa Canal, Alternative 4 minus No Action Alternative, Monthly Diversion (cfs)

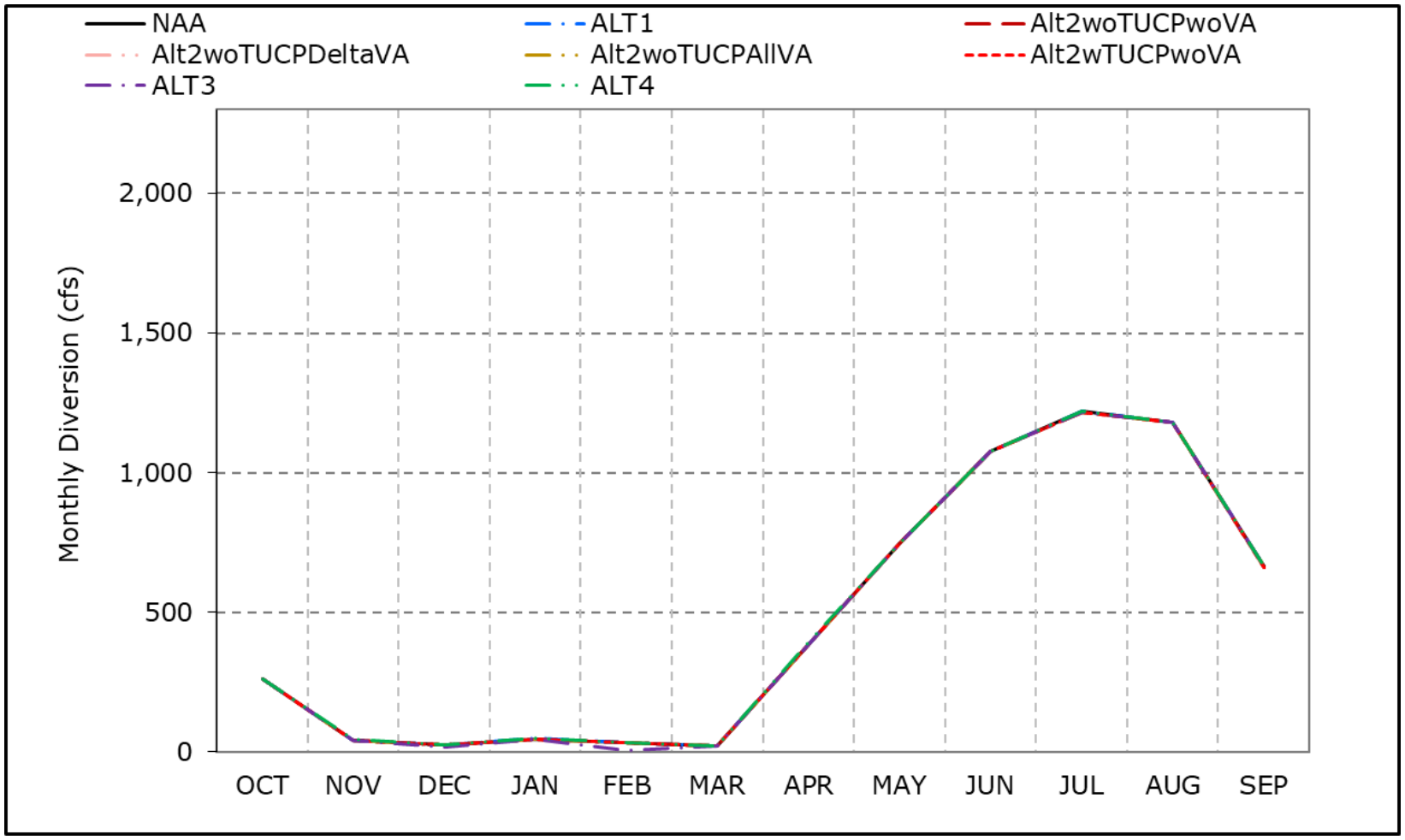
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	2	25	0	0	0	0	0
20% Exceedance	-1	0	0	-1	0	0	14	17	3	1	4	0
30% Exceedance	3	0	0	-1	0	0	24	13	5	8	6	3
40% Exceedance	4	0	0	1	0	0	24	17	3	15	3	6
50% Exceedance	-1	1	1	1	0	0	22	11	4	33	27	17
60% Exceedance	-1	3	2	0	-2	0	39	7	30	29	31	35
70% Exceedance	2	1	1	1	-4	0	22	0	49	86	81	34
80% Exceedance	14	0	0	-1	-1	0	-19	-16	-9	-31	-43	-20
90% Exceedance	-6	0	0	-2	0	0	-37	-134	31	33	18	5
Full Simulation Period Average[a]	-2	1	0	0	-1	0	10	-13	-5	5	4	5
Wet Water Years (28%)	0	0	0	0	0	0	8	0	0	1	1	1
Above Normal Water Years (14%)	0	0	0	0	0	0	20	7	9	9	8	5
Below Normal Water Years (18%)	5	1	1	0	-1	1	20	15	22	26	22	16
Dry Water Years (24%)	-1	2	1	0	0	0	35	2	15	29	26	17
Critical Water Years (16%)	-17	-1	0	-2	-2	-4	-43	-107	-83	-52	-47	-16

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



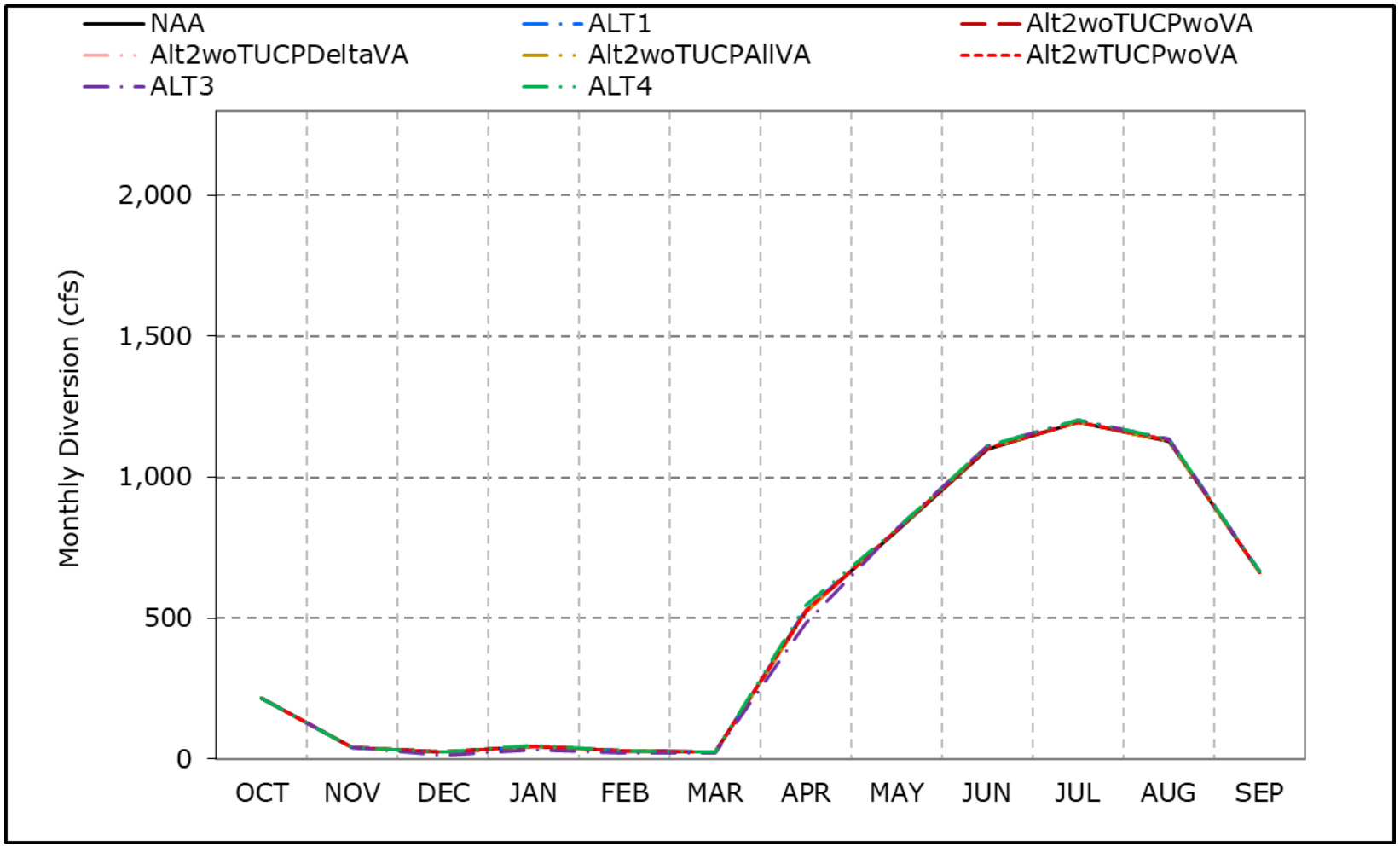
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-2-1. Red Bluff Diversion–Tehama Colusa Canal, Long-Term Average Diversion



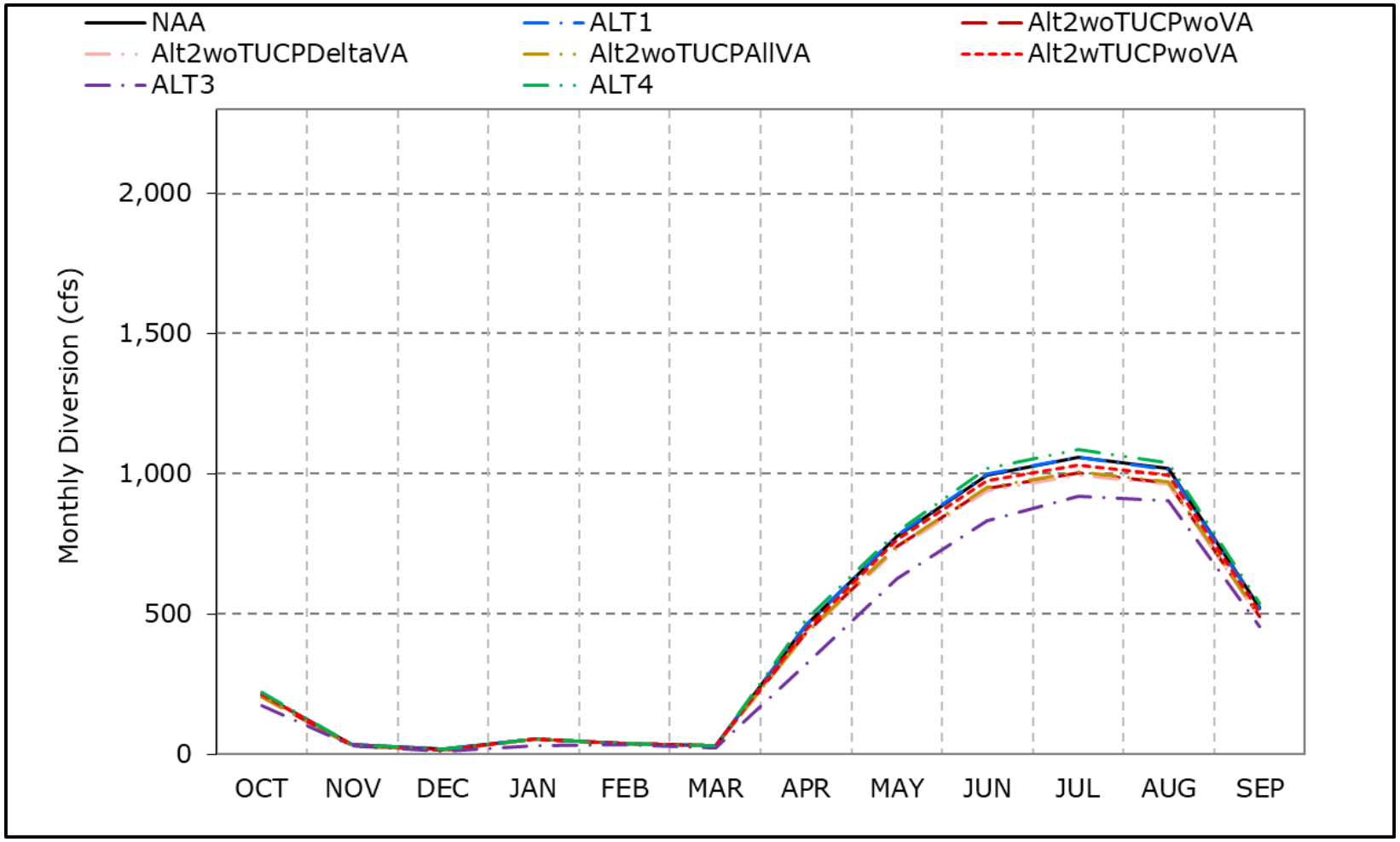
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-2-2. Red Bluff Diversion–Tehama Colusa Canal, Wet Year Average Diversion



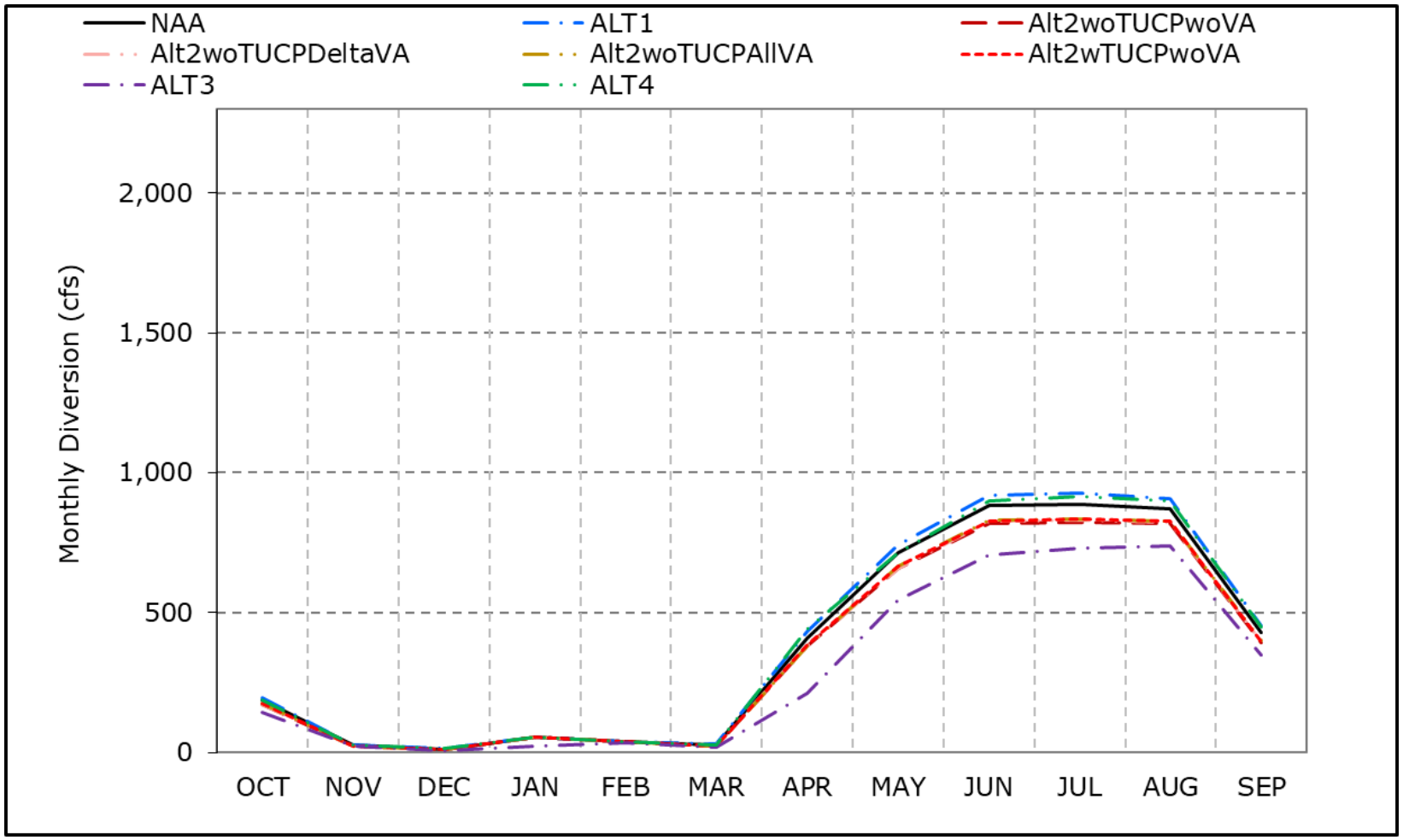
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-2-3. Red Bluff Diversion–Tehama Colusa Canal, Above Normal Year Average Diversion



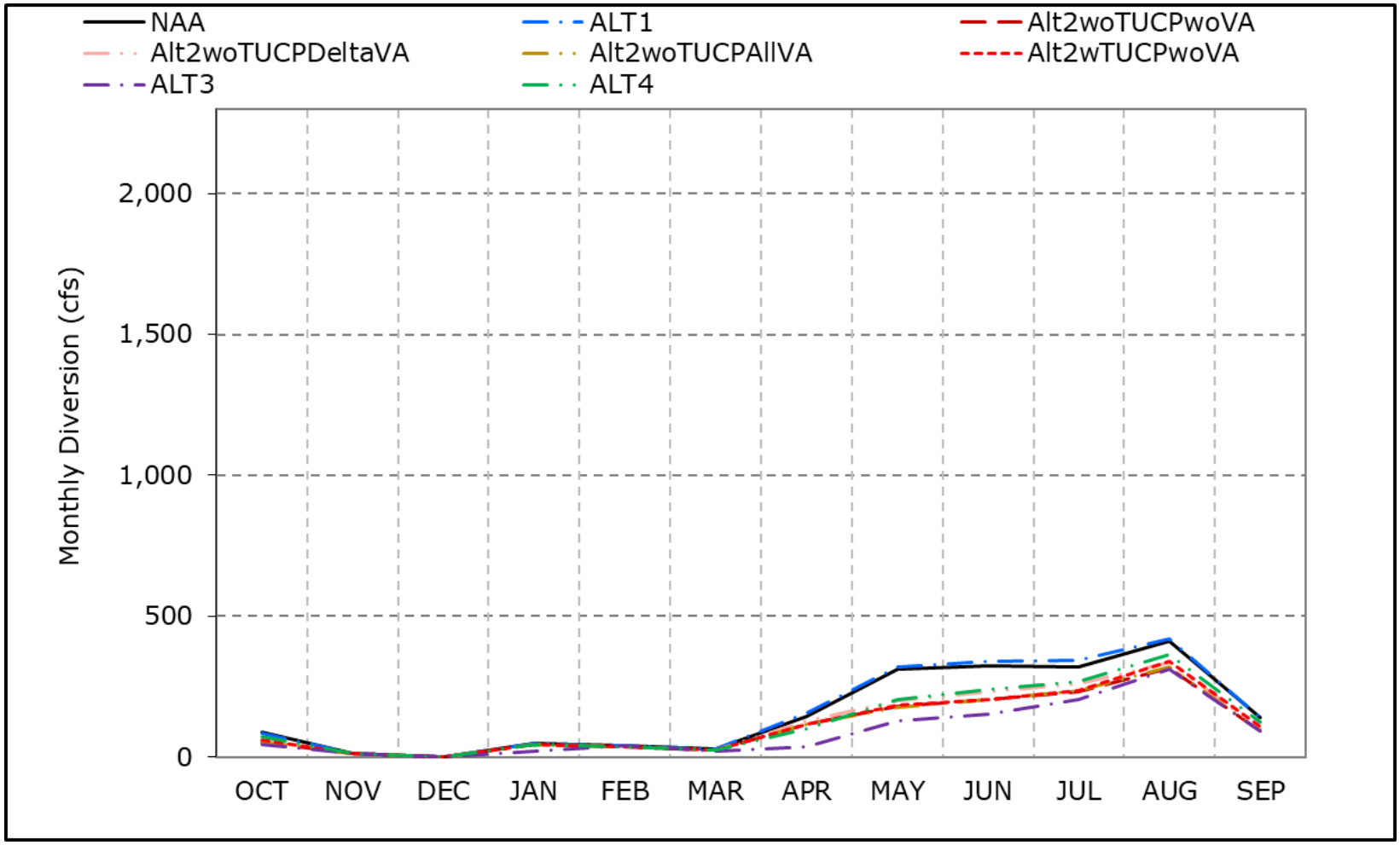
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-2-4. Red Bluff Diversion–Tehama Colusa Canal, Below Normal Year Average Diversion



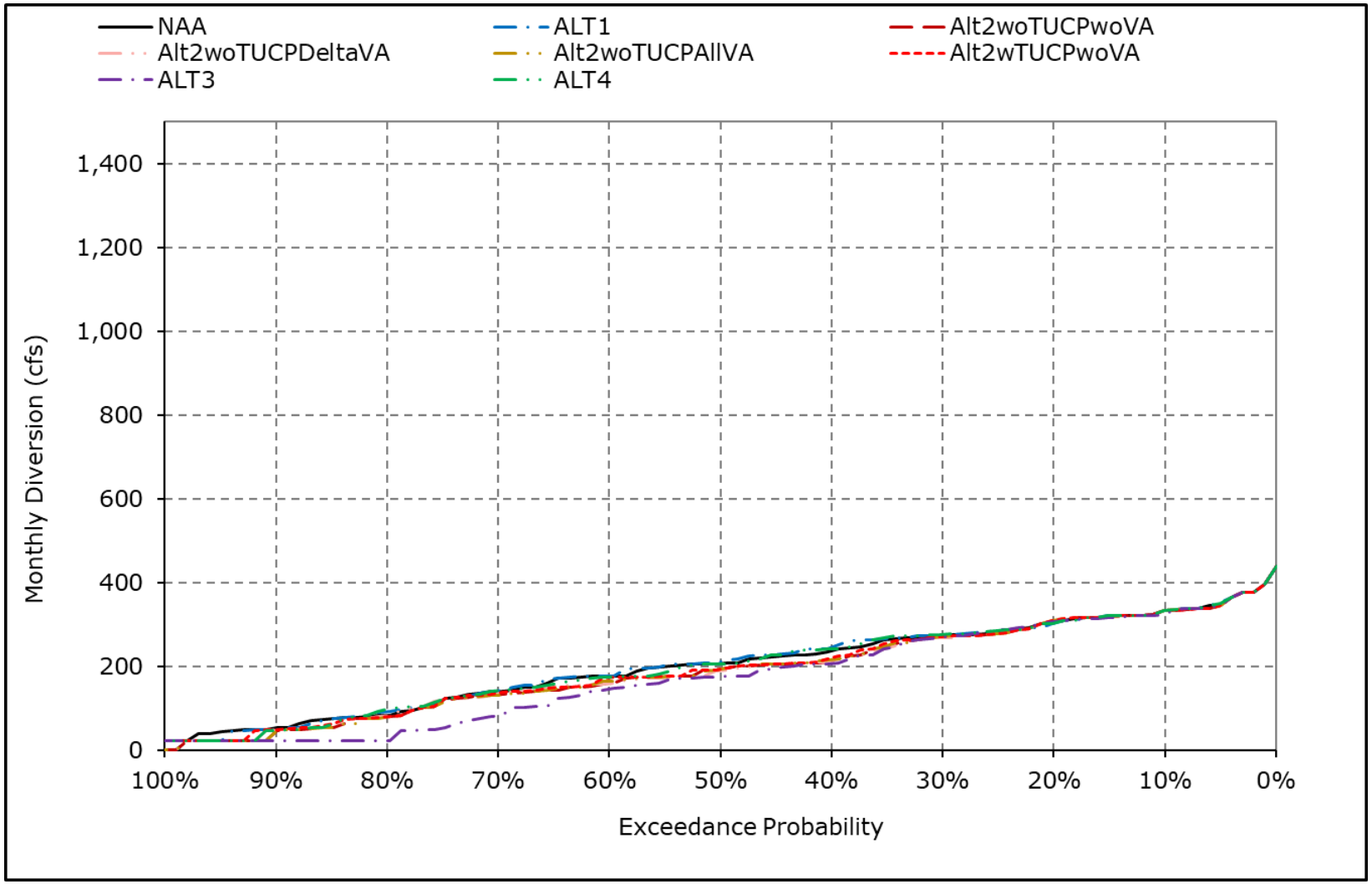
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-2-5. Red Bluff Diversion–Tehama Colusa Canal, Dry Year Average Diversion



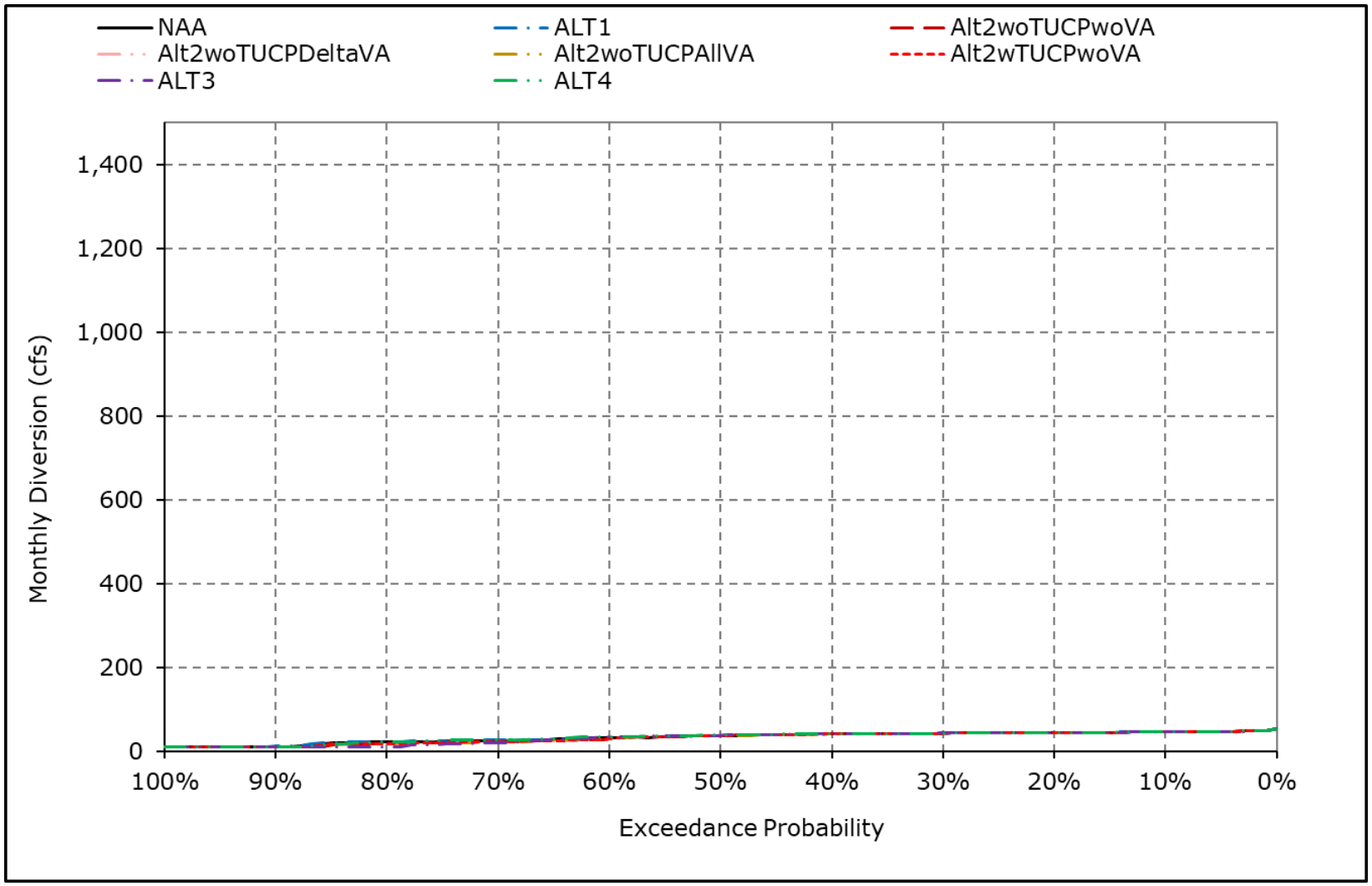
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-2-6. Red Bluff Diversion–Tehama Colusa Canal, Critical Year Average Diversion



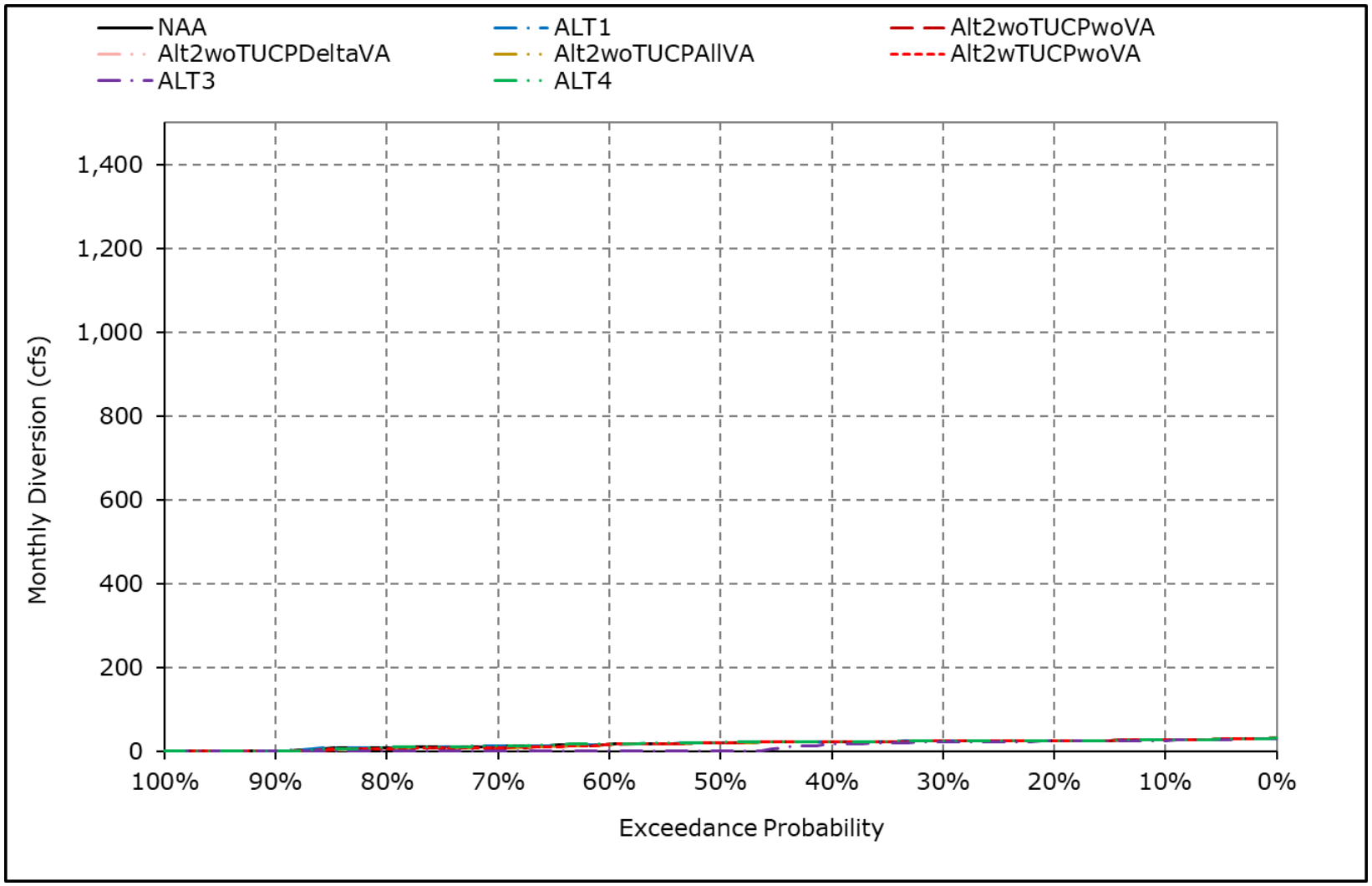
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-2-7. Red Bluff Diversion–Tehama Colusa Canal, October



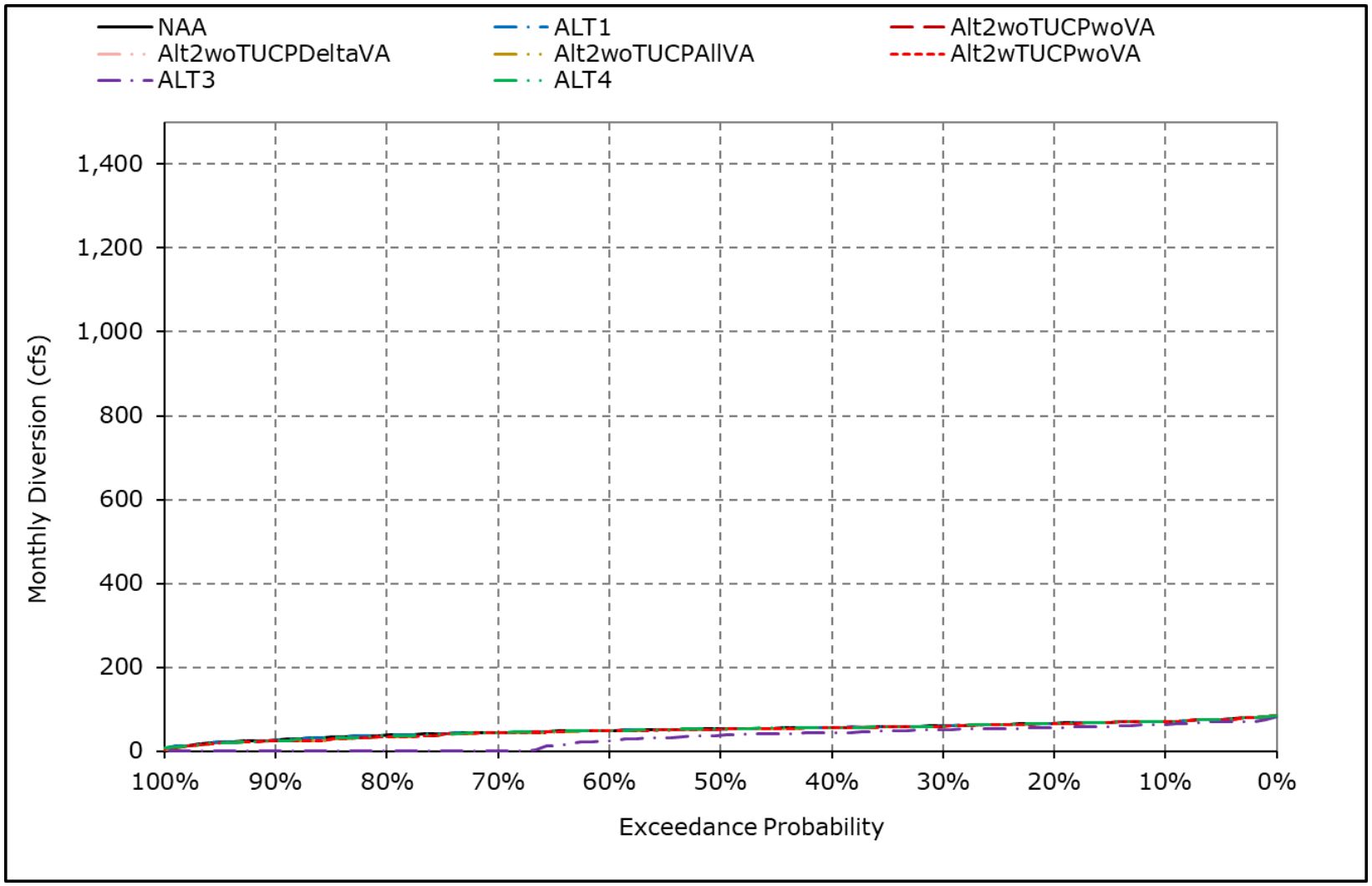
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-2-8. Red Bluff Diversion–Tehama Colusa Canal, November



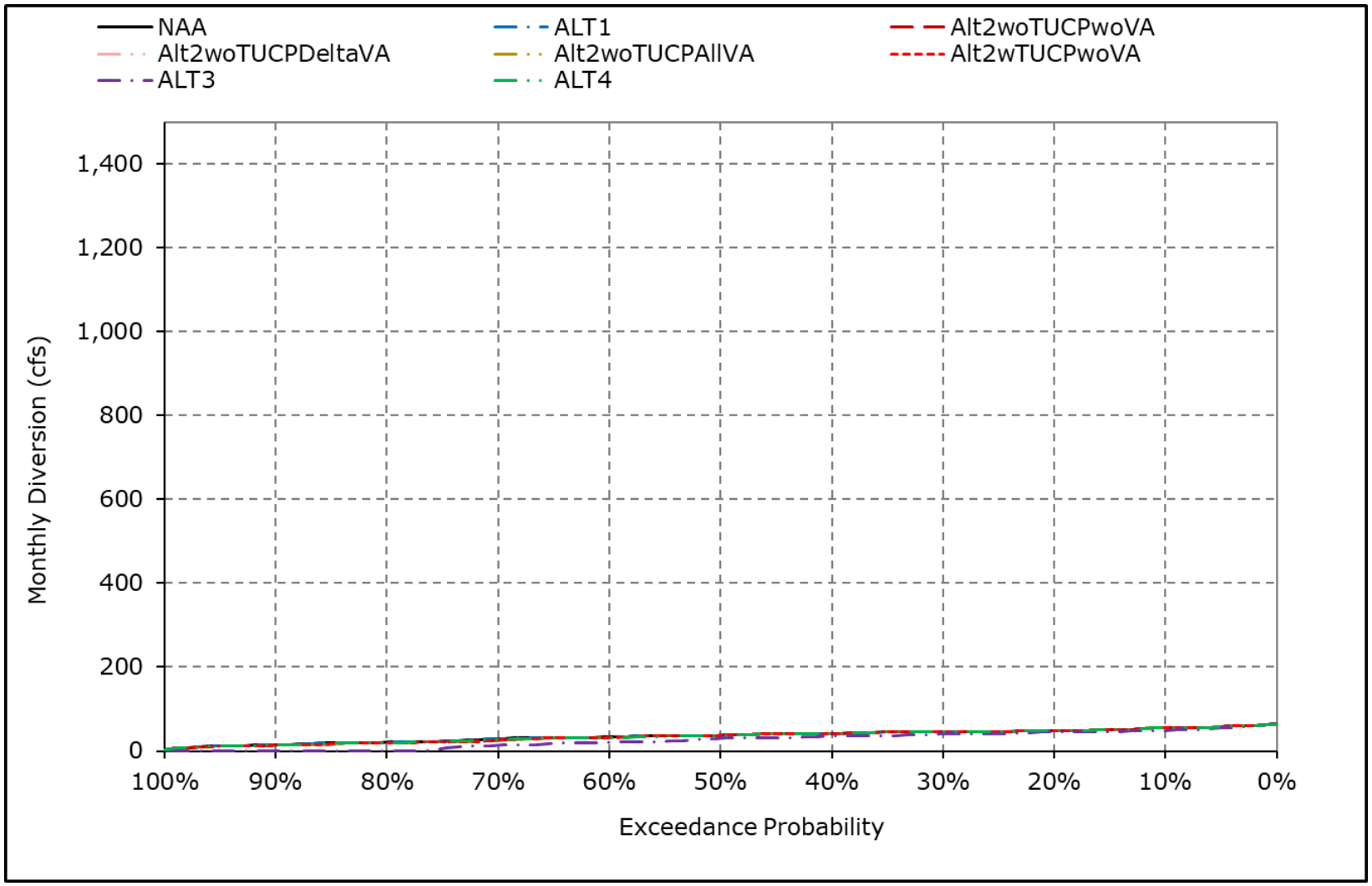
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-2-9. Red Bluff Diversion–Tehama Colusa Canal, December



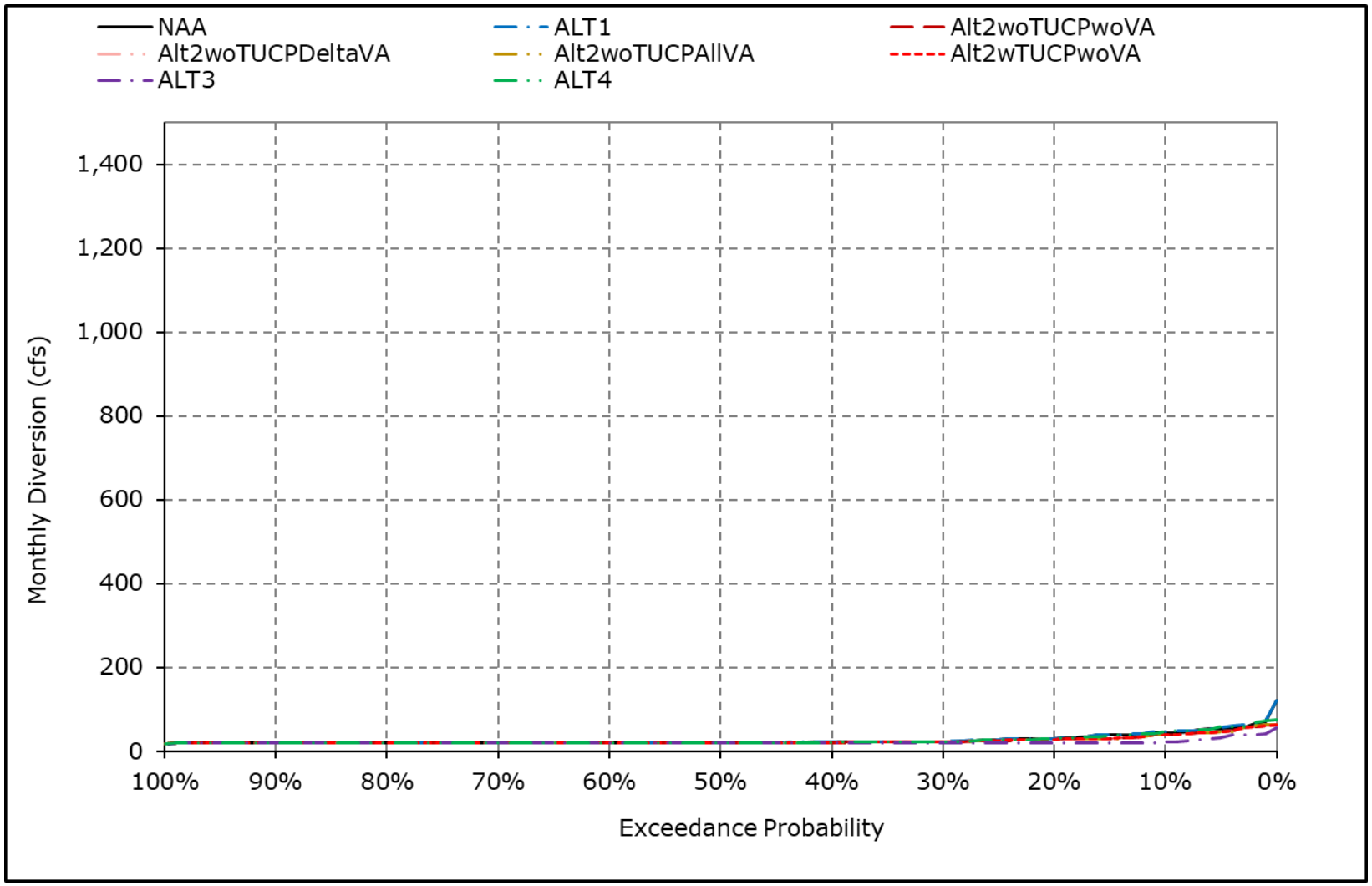
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-2-10. Red Bluff Diversion–Tehama Colusa Canal, January



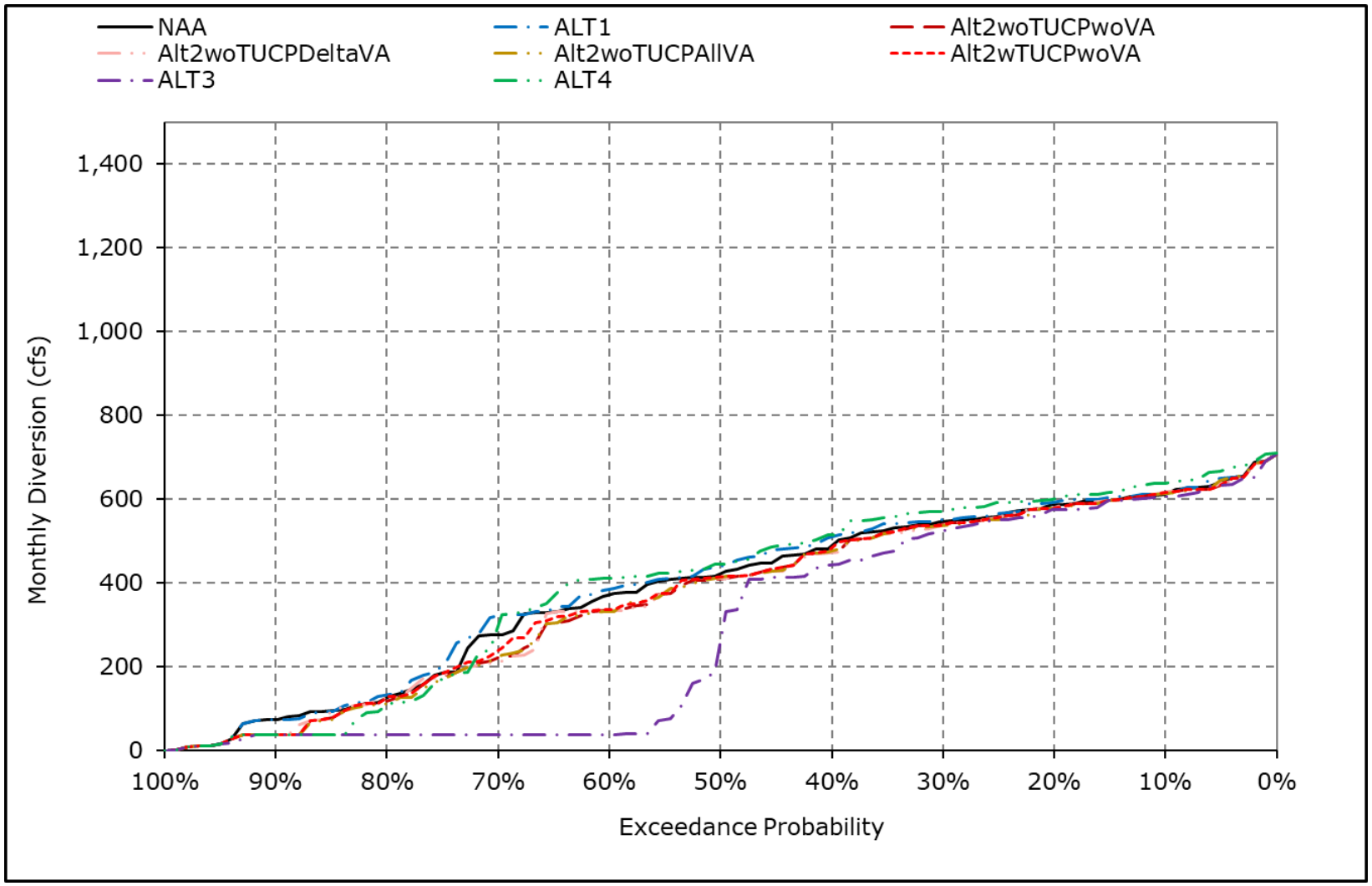
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-2-11. Red Bluff Diversion–Tehama Colusa Canal, February



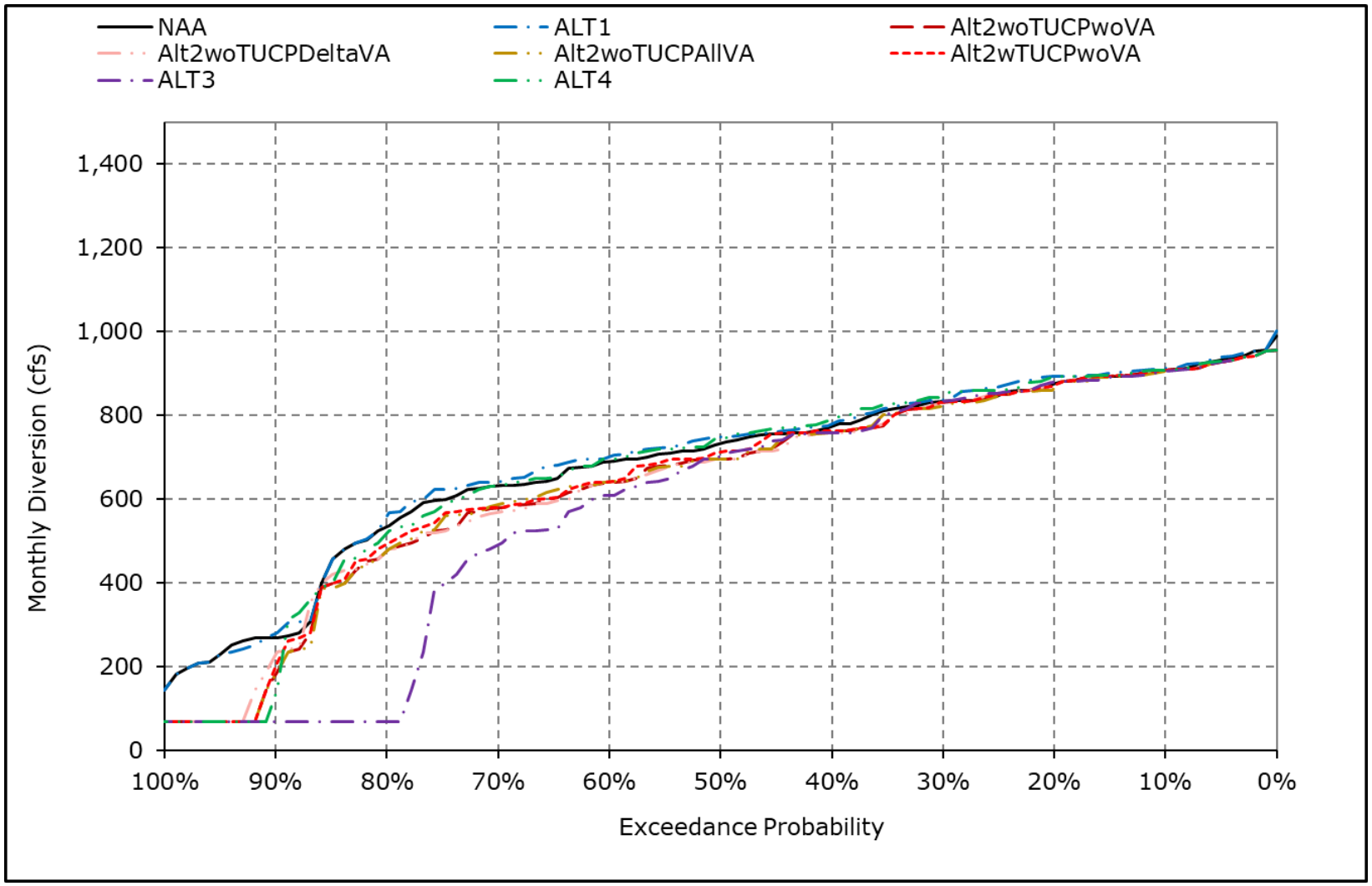
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-2-12. Red Bluff Diversion–Tehama Colusa Canal, March



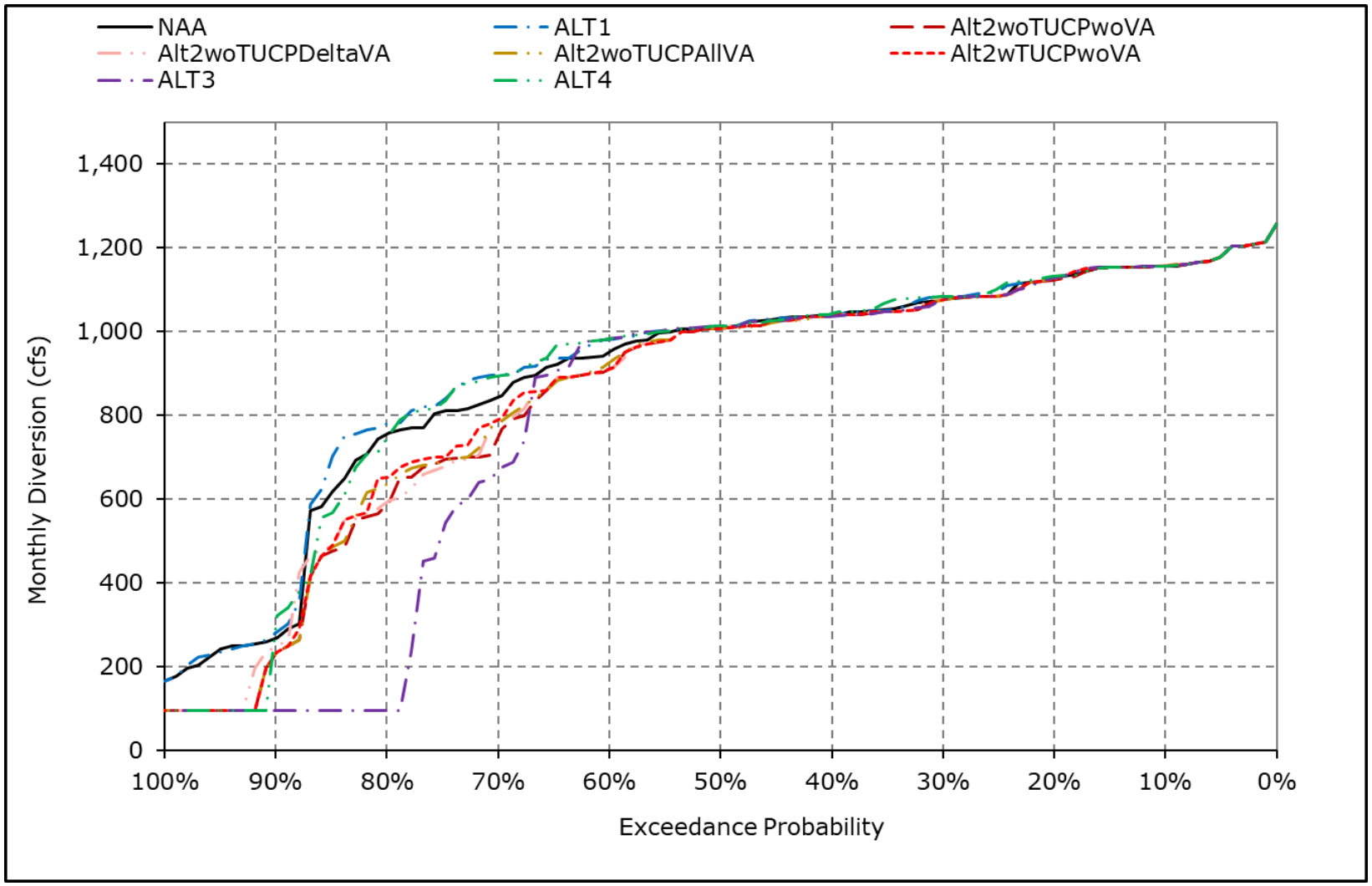
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-2-13. Red Bluff Diversion–Tehama Colusa Canal, April



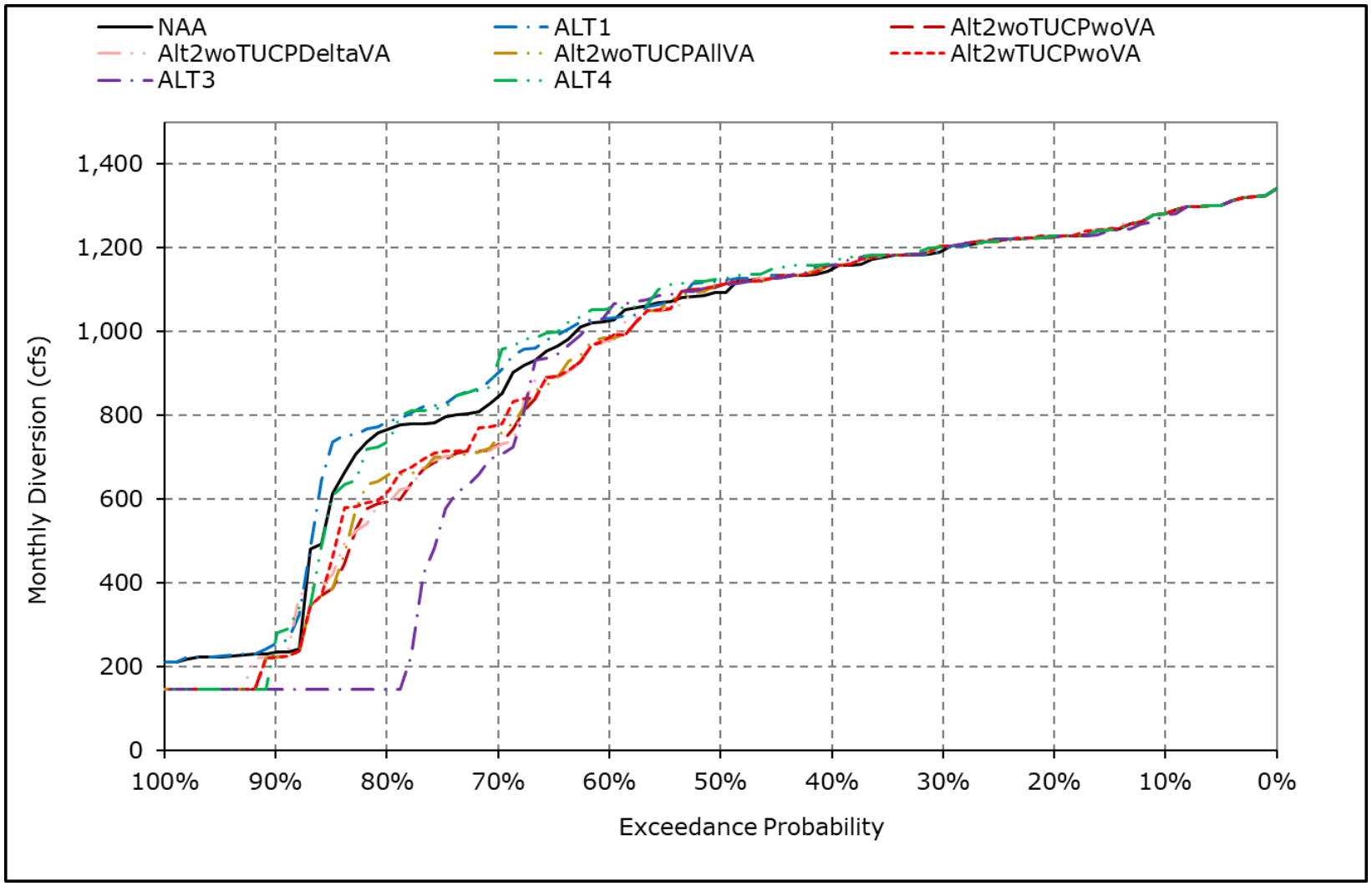
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-2-14. Red Bluff Diversion–Tehama Colusa Canal, May



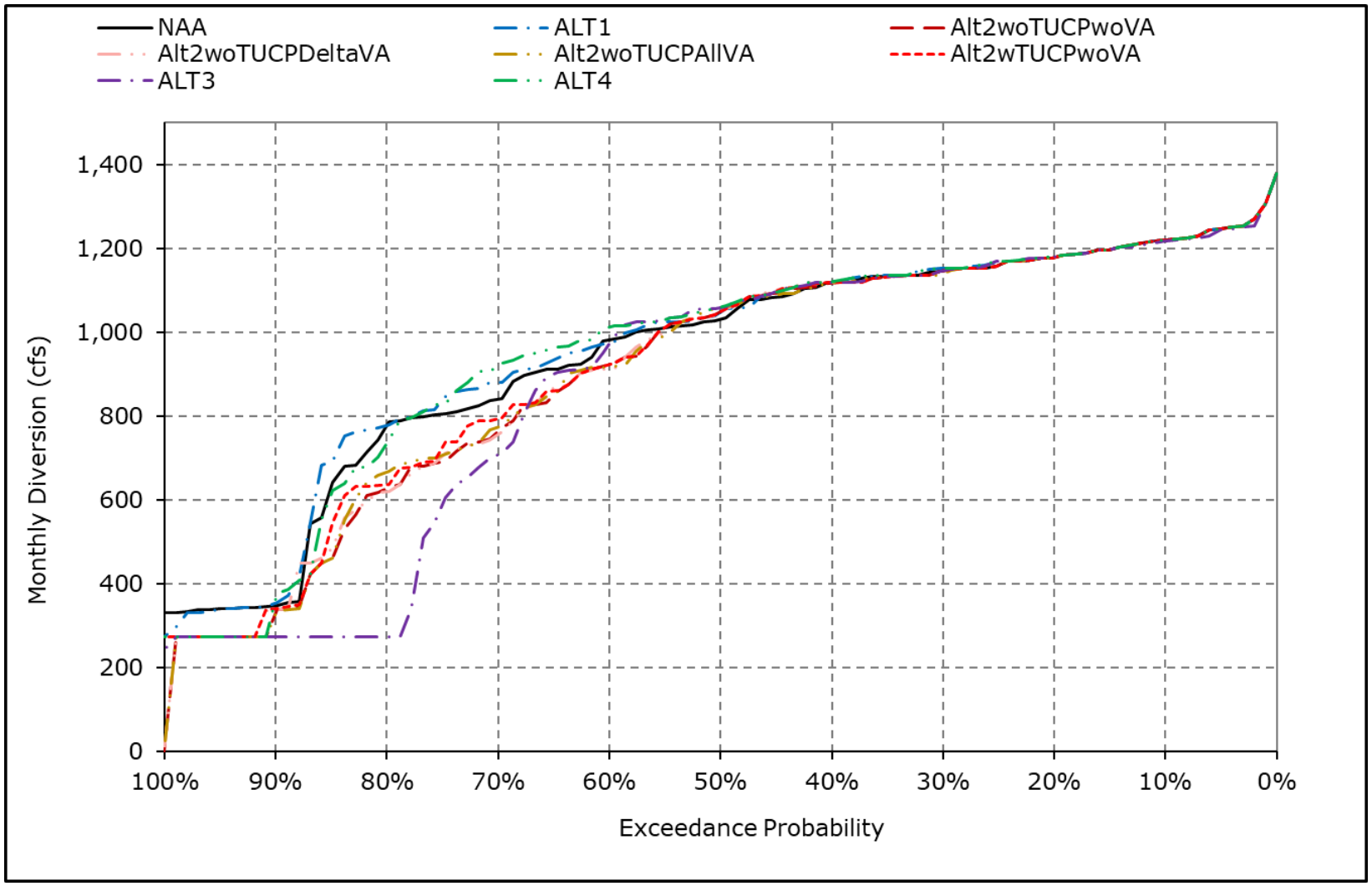
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-2-15. Red Bluff Diversion–Tehama Colusa Canal, June



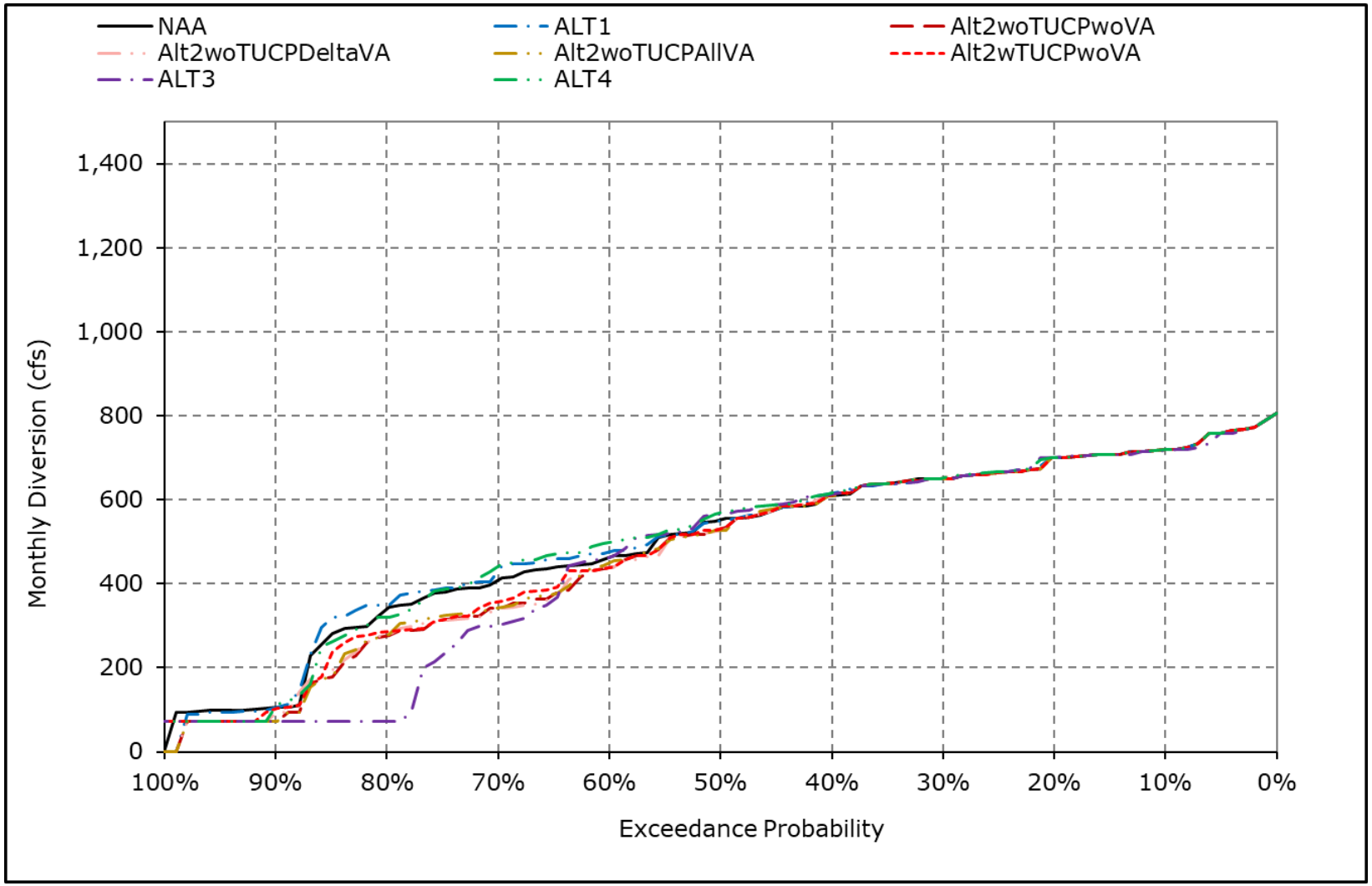
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-2-16. Red Bluff Diversion–Tehama Colusa Canal, July



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

Figure F.2.3-2-17. Red Bluff Diversion–Tehama Colusa Canal, August



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

Figure F.2.3-2-18. Red Bluff Diversion–Tehama Colusa Canal, September

Table F.2.3-3-1a. Hamilton City Diversion–Glenn Colusa Canal, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	961	968	637	0	7	104	674	2,656	2,680	3,013	2,155	1,211
20% Exceedance	925	929	589	0	6	78	633	2,608	2,627	2,975	2,128	1,175
30% Exceedance	913	904	578	0	6	61	618	2,559	2,570	2,931	2,110	1,150
40% Exceedance	896	872	565	0	5	53	574	2,518	2,544	2,894	2,091	1,130
50% Exceedance	856	849	551	0	5	40	558	2,469	2,507	2,876	2,066	1,111
60% Exceedance	822	832	532	0	5	35	541	2,426	2,466	2,854	2,050	1,081
70% Exceedance	794	803	523	0	4	32	528	2,346	2,401	2,818	2,023	1,064
80% Exceedance	761	759	494	0	3	27	502	2,279	2,348	2,755	1,975	1,007
90% Exceedance	718	734	468	0	3	22	437	2,214	2,234	2,248	1,564	951
Full Simulation Period Average[a]	845	849	549	0	5	55	560	2,444	2,480	2,801	2,004	1,094
Wet Water Years (28%)	883	860	558	0	4	32	499	2,442	2,458	2,865	2,076	1,122
Above Normal Water Years (14%)	841	845	547	0	4	37	544	2,478	2,547	2,879	2,050	1,138
Below Normal Water Years (18%)	855	864	540	0	5	60	580	2,517	2,538	2,909	2,093	1,101
Dry Water Years (24%)	857	862	561	0	5	60	601	2,506	2,585	2,920	2,097	1,120
Critical Water Years (16%)	746	795	525	0	6	97	597	2,244	2,234	2,319	1,596	961

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

Table F.2.3-3-1b. Hamilton City Diversion–Glenn Colusa Canal, Alternative 1, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	961	968	637	0	7	104	674	2,656	2,680	3,013	2,155	1,213
20% Exceedance	925	929	589	0	6	78	633	2,608	2,627	2,975	2,128	1,175
30% Exceedance	913	904	578	0	6	61	618	2,559	2,570	2,931	2,110	1,150
40% Exceedance	896	872	565	0	5	53	574	2,518	2,544	2,894	2,091	1,130
50% Exceedance	856	849	551	0	5	40	558	2,469	2,507	2,876	2,066	1,111
60% Exceedance	823	832	532	0	5	35	541	2,426	2,466	2,854	2,050	1,081
70% Exceedance	794	803	523	0	4	32	528	2,346	2,401	2,818	2,023	1,064
80% Exceedance	759	759	494	0	3	27	502	2,279	2,348	2,755	1,975	1,007
90% Exceedance	712	730	468	0	3	22	437	2,214	2,234	2,248	1,553	926
Full Simulation Period Average[a]	839	849	549	0	5	55	560	2,444	2,480	2,801	1,999	1,088
Wet Water Years (28%)	883	860	558	0	4	32	499	2,442	2,458	2,865	2,076	1,122
Above Normal Water Years (14%)	842	845	547	0	4	37	544	2,478	2,547	2,879	2,050	1,139
Below Normal Water Years (18%)	855	864	540	0	5	60	580	2,517	2,538	2,909	2,093	1,101
Dry Water Years (24%)	858	862	561	0	5	60	601	2,506	2,585	2,920	2,097	1,120
Critical Water Years (16%)	705	790	525	0	6	97	597	2,244	2,234	2,319	1,568	922

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

Table F.2.3-3-1c. Hamilton City Diversion–Glenn Colusa Canal, Alternative 1 minus No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	2
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	1
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	1	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	-3	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	-6	-4	0	0	0	0	0	0	0	0	-11	-24
Full Simulation Period Average[a]	-6	-1	0	0	0	0	0	0	0	0	-4	-6
Wet Water Years (28%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (14%)	0	0	0	0	0	0	0	0	0	0	0	1
Below Normal Water Years (18%)	0	0	0	0	0	0	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%)	-40	-4	0	0	0	0	0	0	0	0	-28	-39

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

Table F.2.3-3-2a. Hamilton City Diversion–Glenn Colusa Canal, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	961	968	637	0	7	104	674	2,656	2,680	3,013	2,155	1,211
20% Exceedance	925	929	589	0	6	78	633	2,608	2,627	2,975	2,128	1,175
30% Exceedance	913	904	578	0	6	61	618	2,559	2,570	2,931	2,110	1,150
40% Exceedance	896	872	565	0	5	53	574	2,518	2,544	2,894	2,091	1,130
50% Exceedance	856	849	551	0	5	40	558	2,469	2,507	2,876	2,066	1,111
60% Exceedance	822	832	532	0	5	35	541	2,426	2,466	2,854	2,050	1,081
70% Exceedance	794	803	523	0	4	32	528	2,346	2,401	2,818	2,023	1,064
80% Exceedance	761	759	494	0	3	27	502	2,279	2,348	2,755	1,975	1,007
90% Exceedance	718	734	468	0	3	22	437	2,214	2,234	2,248	1,564	951
Full Simulation Period Average[a]	845	849	549	0	5	55	560	2,444	2,480	2,801	2,004	1,094
Wet Water Years (28%)	883	860	558	0	4	32	499	2,442	2,458	2,865	2,076	1,122
Above Normal Water Years (14%)	841	845	547	0	4	37	544	2,478	2,547	2,879	2,050	1,138
Below Normal Water Years (18%)	855	864	540	0	5	60	580	2,517	2,538	2,909	2,093	1,101
Dry Water Years (24%)	857	862	561	0	5	60	601	2,506	2,585	2,920	2,097	1,120
Critical Water Years (16%)	746	795	525	0	6	97	597	2,244	2,234	2,319	1,596	961

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

Table F.2.3-3-2b. Hamilton City Diversion–Glenn Colusa Canal, Alt2woTUCPwoVA, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	961	968	637	0	7	102	668	2,656	2,680	3,013	2,154	1,211
20% Exceedance	925	928	589	0	6	78	629	2,608	2,627	2,975	2,128	1,175
30% Exceedance	913	901	578	0	6	60	612	2,559	2,570	2,931	2,110	1,150
40% Exceedance	896	869	565	0	5	53	572	2,518	2,544	2,894	2,093	1,130
50% Exceedance	856	848	548	0	5	40	550	2,469	2,507	2,876	2,066	1,111
60% Exceedance	817	830	531	0	5	35	535	2,426	2,466	2,854	2,050	1,081
70% Exceedance	781	802	520	0	4	32	518	2,343	2,401	2,818	2,023	1,059
80% Exceedance	757	763	489	0	3	27	467	2,260	2,348	2,755	1,975	1,001
90% Exceedance	683	741	464	0	2	22	389	2,076	2,204	2,206	1,560	894
Full Simulation Period Average[a]	829	851	547	0	5	54	548	2,374	2,410	2,729	1,951	1,061
Wet Water Years (28%)	883	860	558	0	4	32	499	2,442	2,458	2,865	2,076	1,122
Above Normal Water Years (14%)	841	845	547	0	4	37	544	2,478	2,547	2,879	2,050	1,138
Below Normal Water Years (18%)	855	864	540	0	5	60	580	2,517	2,538	2,909	2,093	1,101
Dry Water Years (24%)	858	862	561	0	5	60	601	2,506	2,585	2,919	2,097	1,120
Critical Water Years (16%)	637	809	513	0	5	94	521	1,806	1,799	1,871	1,268	756

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

Table F.2.3-3-2c. Hamilton City Diversion–Glenn Colusa Canal, Alt2woTUCPwoVA minus No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	-2	-6	0	0	0	-1	0
20% Exceedance	0	-1	0	0	0	0	-4	0	0	0	-1	0
30% Exceedance	0	-3	0	0	0	-1	-5	0	0	0	0	0
40% Exceedance	0	-4	0	0	0	0	-2	0	0	0	2	0
50% Exceedance	0	-1	-3	0	0	0	-8	0	0	0	0	0
60% Exceedance	-4	-1	-1	0	0	0	-5	0	0	-1	0	0
70% Exceedance	-14	-1	-3	0	0	0	-11	-3	0	0	0	-5
80% Exceedance	-4	4	-5	0	0	0	-35	-19	0	0	0	-6
90% Exceedance	-35	7	-4	0	-1	0	-48	-138	-30	-42	-3	-57
Full Simulation Period Average[a]	-16	2	-2	0	0	0	-12	-70	-69	-72	-52	-33
Wet Water Years (28%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (14%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (18%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (24%)	0	0	0	0	0	0	0	0	0	-1	0	0
Critical Water Years (16%)	-109	14	-12	0	-1	-3	-75	-438	-434	-448	-327	-205

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

Table F.2.3-3-3a. Hamilton City Diversion–Glenn Colusa Canal, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	961	968	637	0	7	104	674	2,656	2,680	3,013	2,155	1,211
20% Exceedance	925	929	589	0	6	78	633	2,608	2,627	2,975	2,128	1,175
30% Exceedance	913	904	578	0	6	61	618	2,559	2,570	2,931	2,110	1,150
40% Exceedance	896	872	565	0	5	53	574	2,518	2,544	2,894	2,091	1,130
50% Exceedance	856	849	551	0	5	40	558	2,469	2,507	2,876	2,066	1,111
60% Exceedance	822	832	532	0	5	35	541	2,426	2,466	2,854	2,050	1,081
70% Exceedance	794	803	523	0	4	32	528	2,346	2,401	2,818	2,023	1,064
80% Exceedance	761	759	494	0	3	27	502	2,279	2,348	2,755	1,975	1,007
90% Exceedance	718	734	468	0	3	22	437	2,214	2,234	2,248	1,564	951
Full Simulation Period Average[a]	845	849	549	0	5	55	560	2,444	2,480	2,801	2,004	1,094
Wet Water Years (28%)	883	860	558	0	4	32	499	2,442	2,458	2,865	2,076	1,122
Above Normal Water Years (14%)	841	845	547	0	4	37	544	2,478	2,547	2,879	2,050	1,138
Below Normal Water Years (18%)	855	864	540	0	5	60	580	2,517	2,538	2,909	2,093	1,101
Dry Water Years (24%)	857	862	561	0	5	60	601	2,506	2,585	2,920	2,097	1,120
Critical Water Years (16%)	746	795	525	0	6	97	597	2,244	2,234	2,319	1,596	961

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

Table F.2.3-3-3b. Hamilton City Diversion–Glenn Colusa Canal, Alt2woTUCPDeltaVA, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	961	968	637	0	7	102	674	2,656	2,680	3,013	2,154	1,211
20% Exceedance	925	928	589	0	6	78	633	2,608	2,627	2,975	2,128	1,175
30% Exceedance	913	902	578	0	6	60	616	2,559	2,570	2,931	2,110	1,150
40% Exceedance	896	869	565	0	5	53	573	2,518	2,544	2,894	2,093	1,130
50% Exceedance	856	848	548	0	5	40	553	2,469	2,507	2,876	2,066	1,111
60% Exceedance	817	830	531	0	5	35	536	2,426	2,466	2,854	2,050	1,081
70% Exceedance	781	802	520	0	4	32	522	2,343	2,401	2,818	2,023	1,059
80% Exceedance	757	763	489	0	3	27	467	2,260	2,348	2,755	1,975	1,001
90% Exceedance	683	741	464	0	2	22	389	2,077	2,222	2,206	1,560	886
Full Simulation Period Average[a]	829	851	547	0	5	54	550	2,374	2,410	2,729	1,951	1,060
Wet Water Years (28%)	883	860	558	0	4	32	499	2,442	2,458	2,865	2,076	1,122
Above Normal Water Years (14%)	841	845	547	0	4	37	544	2,478	2,547	2,879	2,050	1,138
Below Normal Water Years (18%)	855	864	540	0	5	60	580	2,517	2,538	2,909	2,093	1,101
Dry Water Years (24%)	858	862	561	0	5	60	601	2,506	2,585	2,919	2,097	1,120
Critical Water Years (16%)	637	809	513	0	5	94	536	1,806	1,801	1,873	1,269	747

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

Table F.2.3-3-3c. Hamilton City Diversion–Glenn Colusa Canal, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	-2	0	0	0	0	-1	0
20% Exceedance	0	-1	0	0	0	0	0	0	0	0	-1	0
30% Exceedance	0	-3	0	0	0	-1	-2	0	0	0	0	0
40% Exceedance	0	-4	0	0	0	0	-1	0	0	0	2	0
50% Exceedance	0	-1	-3	0	0	0	-6	0	0	0	0	0
60% Exceedance	-4	-1	-1	0	0	0	-5	0	0	-1	0	0
70% Exceedance	-14	-1	-3	0	0	0	-6	-3	0	0	0	-5
80% Exceedance	-4	4	-5	0	0	0	-35	-19	0	0	0	-6
90% Exceedance	-35	7	-4	0	-1	0	-48	-137	-12	-42	-3	-65
Full Simulation Period Average[a]	-16	2	-2	0	0	0	-10	-70	-69	-72	-52	-34
Wet Water Years (28%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (14%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (18%)	0	0	0	0	0	0	0	0	0	-1	0	0
Dry Water Years (24%)	0	0	0	0	0	0	0	0	0	-1	0	0
Critical Water Years (16%)	-109	14	-12	0	-1	-3	-61	-437	-433	-447	-326	-214

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

Table F.2.3-3-4a. Hamilton City Diversion–Glenn Colusa Canal, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	961	968	637	0	7	104	674	2,656	2,680	3,013	2,155	1,211
20% Exceedance	925	929	589	0	6	78	633	2,608	2,627	2,975	2,128	1,175
30% Exceedance	913	904	578	0	6	61	618	2,559	2,570	2,931	2,110	1,150
40% Exceedance	896	872	565	0	5	53	574	2,518	2,544	2,894	2,091	1,130
50% Exceedance	856	849	551	0	5	40	558	2,469	2,507	2,876	2,066	1,111
60% Exceedance	822	832	532	0	5	35	541	2,426	2,466	2,854	2,050	1,081
70% Exceedance	794	803	523	0	4	32	528	2,346	2,401	2,818	2,023	1,064
80% Exceedance	761	759	494	0	3	27	502	2,279	2,348	2,755	1,975	1,007
90% Exceedance	718	734	468	0	3	22	437	2,214	2,234	2,248	1,564	951
Full Simulation Period Average[a]	845	849	549	0	5	55	560	2,444	2,480	2,801	2,004	1,094
Wet Water Years (28%)	883	860	558	0	4	32	499	2,442	2,458	2,865	2,076	1,122
Above Normal Water Years (14%)	841	845	547	0	4	37	544	2,478	2,547	2,879	2,050	1,138
Below Normal Water Years (18%)	855	864	540	0	5	60	580	2,517	2,538	2,909	2,093	1,101
Dry Water Years (24%)	857	862	561	0	5	60	601	2,506	2,585	2,920	2,097	1,120
Critical Water Years (16%)	746	795	525	0	6	97	597	2,244	2,234	2,319	1,596	961

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

Table F.2.3-3-4b. Hamilton City Diversion–Glenn Colusa Canal, Alt2woTUCPAllVA, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	926	945	607	41	7	102	642	2,558	2,557	2,916	2,112	1,248
20% Exceedance	915	904	579	28	6	78	624	2,489	2,499	2,822	2,080	1,216
30% Exceedance	886	877	564	24	6	60	585	2,461	2,429	2,783	2,002	1,190
40% Exceedance	864	852	546	16	5	53	570	2,428	2,381	2,741	1,973	1,176
50% Exceedance	830	829	536	0	5	40	536	2,375	2,344	2,690	1,947	1,150
60% Exceedance	807	805	521	0	5	35	519	2,298	2,309	2,661	1,919	1,128
70% Exceedance	764	784	495	0	4	32	498	2,262	2,258	2,634	1,895	1,092
80% Exceedance	729	755	466	0	3	27	468	2,194	2,214	2,584	1,861	1,053
90% Exceedance	637	709	422	0	2	22	408	2,070	2,125	2,158	1,556	847
Full Simulation Period Average[a]	808	830	529	15	5	54	535	2,293	2,286	2,597	1,866	1,095
Wet Water Years (28%)	878	855	555	15	4	32	499	2,423	2,430	2,832	2,054	1,130
Above Normal Water Years (14%)	813	815	520	19	4	37	527	2,349	2,352	2,669	1,917	1,195
Below Normal Water Years (18%)	819	828	505	13	5	60	558	2,377	2,324	2,680	1,945	1,165
Dry Water Years (24%)	822	829	531	15	5	60	576	2,372	2,384	2,708	1,962	1,176
Critical Water Years (16%)	635	806	511	12	5	94	519	1,801	1,788	1,862	1,262	745

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

Table F.2.3-3-4c. Hamilton City Diversion–Glenn Colusa Canal, Alt2woTUCPAllVA minus No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-35	-23	-30	41	0	-2	-32	-98	-122	-96	-43	38
20% Exceedance	-11	-25	-10	28	0	0	-9	-119	-128	-153	-48	41
30% Exceedance	-27	-27	-15	24	0	-1	-33	-97	-140	-148	-108	40
40% Exceedance	-32	-20	-18	16	0	0	-4	-90	-163	-153	-118	46
50% Exceedance	-27	-20	-14	0	0	0	-22	-94	-163	-185	-119	39
60% Exceedance	-14	-27	-12	0	0	0	-22	-127	-157	-193	-131	47
70% Exceedance	-30	-19	-29	0	0	0	-30	-84	-143	-184	-128	28
80% Exceedance	-32	-4	-28	0	0	0	-34	-85	-135	-172	-114	47
90% Exceedance	-81	-25	-46	0	-1	0	-29	-144	-109	-90	-8	-104
Full Simulation Period Average[a]	-37	-19	-20	15	0	0	-25	-151	-193	-204	-137	1
Wet Water Years (28%)	-4	-5	-3	15	0	0	1	-18	-29	-33	-21	8
Above Normal Water Years (14%)	-28	-30	-28	19	0	0	-17	-129	-195	-210	-133	56
Below Normal Water Years (18%)	-36	-36	-34	13	0	0	-23	-140	-214	-229	-148	64
Dry Water Years (24%)	-36	-32	-30	15	0	0	-25	-134	-201	-212	-135	56
Critical Water Years (16%)	-111	11	-14	12	-1	-3	-78	-443	-445	-457	-334	-216

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

Table F.2.3-3-5a. Hamilton City Diversion–Glenn Colusa Canal, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	961	968	637	0	7	104	674	2,656	2,680	3,013	2,155	1,211
20% Exceedance	925	929	589	0	6	78	633	2,608	2,627	2,975	2,128	1,175
30% Exceedance	913	904	578	0	6	61	618	2,559	2,570	2,931	2,110	1,150
40% Exceedance	896	872	565	0	5	53	574	2,518	2,544	2,894	2,091	1,130
50% Exceedance	856	849	551	0	5	40	558	2,469	2,507	2,876	2,066	1,111
60% Exceedance	822	832	532	0	5	35	541	2,426	2,466	2,854	2,050	1,081
70% Exceedance	794	803	523	0	4	32	528	2,346	2,401	2,818	2,023	1,064
80% Exceedance	761	759	494	0	3	27	502	2,279	2,348	2,755	1,975	1,007
90% Exceedance	718	734	468	0	3	22	437	2,214	2,234	2,248	1,564	951
Full Simulation Period Average[a]	845	849	549	0	5	55	560	2,444	2,480	2,801	2,004	1,094
Wet Water Years (28%)	883	860	558	0	4	32	499	2,442	2,458	2,865	2,076	1,122
Above Normal Water Years (14%)	841	845	547	0	4	37	544	2,478	2,547	2,879	2,050	1,138
Below Normal Water Years (18%)	855	864	540	0	5	60	580	2,517	2,538	2,909	2,093	1,101
Dry Water Years (24%)	857	862	561	0	5	60	601	2,506	2,585	2,920	2,097	1,120
Critical Water Years (16%)	746	795	525	0	6	97	597	2,244	2,234	2,319	1,596	961

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

Table F.2.3-3-5b. Hamilton City Diversion–Glenn Colusa Canal, Alt2wTUCPwoVA, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	961	968	637	0	7	102	668	2,656	2,680	3,013	2,154	1,211
20% Exceedance	925	928	589	0	6	78	629	2,608	2,627	2,975	2,128	1,175
30% Exceedance	913	901	578	0	6	60	612	2,559	2,570	2,931	2,110	1,150
40% Exceedance	896	869	565	0	5	53	572	2,518	2,544	2,894	2,093	1,130
50% Exceedance	857	848	548	0	5	40	550	2,469	2,507	2,876	2,066	1,111
60% Exceedance	819	830	531	0	5	35	535	2,426	2,466	2,854	2,050	1,081
70% Exceedance	789	804	520	0	4	32	518	2,343	2,401	2,818	2,023	1,059
80% Exceedance	759	777	489	0	3	27	467	2,260	2,348	2,755	1,975	1,001
90% Exceedance	712	743	464	0	2	22	389	2,076	2,204	2,206	1,551	924
Full Simulation Period Average[a]	835	853	547	0	5	54	548	2,376	2,412	2,730	1,951	1,065
Wet Water Years (28%)	883	860	558	0	4	32	499	2,442	2,458	2,865	2,076	1,122
Above Normal Water Years (14%)	841	845	547	0	4	37	544	2,478	2,547	2,879	2,050	1,138
Below Normal Water Years (18%)	855	864	540	0	5	60	580	2,517	2,538	2,909	2,093	1,101
Dry Water Years (24%)	858	862	561	0	5	60	601	2,506	2,585	2,919	2,097	1,120
Critical Water Years (16%)	677	823	514	0	5	94	521	1,815	1,808	1,881	1,268	778

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

Table F.2.3-3-5c. Hamilton City Diversion–Glenn Colusa Canal, Alt2wTUCPwoVA minus No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	-2	-6	0	0	0	-1	0
20% Exceedance	0	-1	0	0	0	0	-4	0	0	0	-1	0
30% Exceedance	0	-3	0	0	0	-1	-5	0	0	0	0	0
40% Exceedance	0	-4	0	0	0	0	-2	0	0	0	2	0
50% Exceedance	0	-1	-3	0	0	0	-8	0	0	0	0	0
60% Exceedance	-3	-1	-1	0	0	0	-5	0	0	-1	0	0
70% Exceedance	-6	1	-3	0	0	0	-11	-3	0	0	0	-5
80% Exceedance	-3	18	-5	0	0	0	-35	-19	0	0	0	-6
90% Exceedance	-6	9	-4	0	-1	0	-48	-138	-30	-42	-13	-27
Full Simulation Period Average[a]	-10	4	-2	0	0	0	-12	-69	-68	-70	-52	-29
Wet Water Years (28%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (14%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years (18%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (24%)	0	0	0	0	0	0	0	0	0	-1	0	0
Critical Water Years (16%)	-69	29	-11	0	-1	-3	-75	-428	-425	-438	-328	-183

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

Table F.2.3-3-6a. Hamilton City Diversion–Glenn Colusa Canal, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	961	968	637	0	7	104	674	2,656	2,680	3,013	2,155	1,211
20% Exceedance	925	929	589	0	6	78	633	2,608	2,627	2,975	2,128	1,175
30% Exceedance	913	904	578	0	6	61	618	2,559	2,570	2,931	2,110	1,150
40% Exceedance	896	872	565	0	5	53	574	2,518	2,544	2,894	2,091	1,130
50% Exceedance	856	849	551	0	5	40	558	2,469	2,507	2,876	2,066	1,111
60% Exceedance	822	832	532	0	5	35	541	2,426	2,466	2,854	2,050	1,081
70% Exceedance	794	803	523	0	4	32	528	2,346	2,401	2,818	2,023	1,064
80% Exceedance	761	759	494	0	3	27	502	2,279	2,348	2,755	1,975	1,007
90% Exceedance	718	734	468	0	3	22	437	2,214	2,234	2,248	1,564	951
Full Simulation Period Average[a]	845	849	549	0	5	55	560	2,444	2,480	2,801	2,004	1,094
Wet Water Years (28%)	883	860	558	0	4	32	499	2,442	2,458	2,865	2,076	1,122
Above Normal Water Years (14%)	841	845	547	0	4	37	544	2,478	2,547	2,879	2,050	1,138
Below Normal Water Years (18%)	855	864	540	0	5	60	580	2,517	2,538	2,909	2,093	1,101
Dry Water Years (24%)	857	862	561	0	5	60	601	2,506	2,585	2,920	2,097	1,120
Critical Water Years (16%)	746	795	525	0	6	97	597	2,244	2,234	2,319	1,596	961

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

Table F.2.3-3-6b. Hamilton City Diversion–Glenn Colusa Canal, Alternative 3, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	961	968	591	0	7	104	624	2,656	2,680	3,013	2,155	1,211
20% Exceedance	925	929	568	0	6	78	573	2,608	2,627	2,975	2,122	1,175
30% Exceedance	913	907	543	0	5	61	546	2,559	2,570	2,931	2,108	1,150
40% Exceedance	896	880	529	0	5	53	532	2,518	2,544	2,894	2,089	1,130
50% Exceedance	856	853	510	0	4	40	484	2,469	2,507	2,873	2,066	1,111
60% Exceedance	821	835	482	0	3	35	422	2,425	2,466	2,852	2,049	1,081
70% Exceedance	781	817	469	0	2	32	393	2,346	2,401	2,813	2,023	1,059
80% Exceedance	757	789	454	0	0	27	374	2,276	2,348	2,755	1,975	998
90% Exceedance	707	744	438	0	0	20	340	2,020	2,112	2,188	1,531	911
Full Simulation Period Average[a]	831	859	513	0	4	54	471	2,331	2,366	2,680	1,917	1,057
Wet Water Years (28%)	883	860	524	0	1	28	499	2,442	2,458	2,865	2,076	1,122
Above Normal Water Years (14%)	842	845	500	0	3	37	527	2,478	2,547	2,879	2,050	1,139
Below Normal Water Years (18%)	855	864	508	0	4	60	525	2,517	2,538	2,909	2,093	1,101
Dry Water Years (24%)	857	862	510	0	5	60	478	2,506	2,585	2,915	2,093	1,120
Critical Water Years (16%)	652	861	513	0	6	97	304	1,534	1,520	1,575	1,063	727

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

Table F.2.3-3-6c. Hamilton City Diversion–Glenn Colusa Canal, Alternative 3 minus No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	-46	0	0	0	-50	0	0	0	0	0
20% Exceedance	0	0	-21	0	0	0	-60	0	0	0	-6	0
30% Exceedance	0	3	-35	0	-1	0	-71	0	0	0	-2	0
40% Exceedance	0	7	-36	0	0	0	-42	0	0	0	-2	1
50% Exceedance	0	4	-41	0	-1	0	-74	0	0	-2	-1	0
60% Exceedance	-1	4	-50	0	-1	0	-119	0	0	-2	-1	0
70% Exceedance	-14	14	-54	0	-2	0	-135	0	0	-5	0	-5
80% Exceedance	-4	30	-40	0	-3	-1	-128	-3	0	0	0	-8
90% Exceedance	-11	10	-30	0	-3	-2	-97	-193	-121	-60	-33	-40
Full Simulation Period Average[a]	-14	10	-36	0	-1	-1	-89	-114	-114	-120	-86	-37
Wet Water Years (28%)	0	0	-34	0	-3	-4	0	0	0	0	0	0
Above Normal Water Years (14%)	0	0	-48	0	-1	0	-17	0	0	0	0	0
Below Normal Water Years (18%)	0	0	-32	0	-1	0	-55	0	0	0	0	0
Dry Water Years (24%)	0	0	-50	0	0	0	-123	0	0	-5	-4	0
Critical Water Years (16%)	-94	66	-12	0	0	0	-292	-710	-713	-744	-533	-234

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

Table F.2.3-3-7a. Hamilton City Diversion–Glenn Colusa Canal, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	961	968	637	0	7	104	674	2,656	2,680	3,013	2,155	1,211
20% Exceedance	925	929	589	0	6	78	633	2,608	2,627	2,975	2,128	1,175
30% Exceedance	913	904	578	0	6	61	618	2,559	2,570	2,931	2,110	1,150
40% Exceedance	896	872	565	0	5	53	574	2,518	2,544	2,894	2,091	1,130
50% Exceedance	856	849	551	0	5	40	558	2,469	2,507	2,876	2,066	1,111
60% Exceedance	822	832	532	0	5	35	541	2,426	2,466	2,854	2,050	1,081
70% Exceedance	794	803	523	0	4	32	528	2,346	2,401	2,818	2,023	1,064
80% Exceedance	761	759	494	0	3	27	502	2,279	2,348	2,755	1,975	1,007
90% Exceedance	718	734	468	0	3	22	437	2,214	2,234	2,248	1,564	951
Full Simulation Period Average[a]	845	849	549	0	5	55	560	2,444	2,480	2,801	2,004	1,094
Wet Water Years (28%)	883	860	558	0	4	32	499	2,442	2,458	2,865	2,076	1,122
Above Normal Water Years (14%)	841	845	547	0	4	37	544	2,478	2,547	2,879	2,050	1,138
Below Normal Water Years (18%)	855	864	540	0	5	60	580	2,517	2,538	2,909	2,093	1,101
Dry Water Years (24%)	857	862	561	0	5	60	601	2,506	2,585	2,920	2,097	1,120
Critical Water Years (16%)	746	795	525	0	6	97	597	2,244	2,234	2,319	1,596	961

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

Table F.2.3-3-7b. Hamilton City Diversion–Glenn Colusa Canal, Alternative 4, Monthly Diversion (cfs)

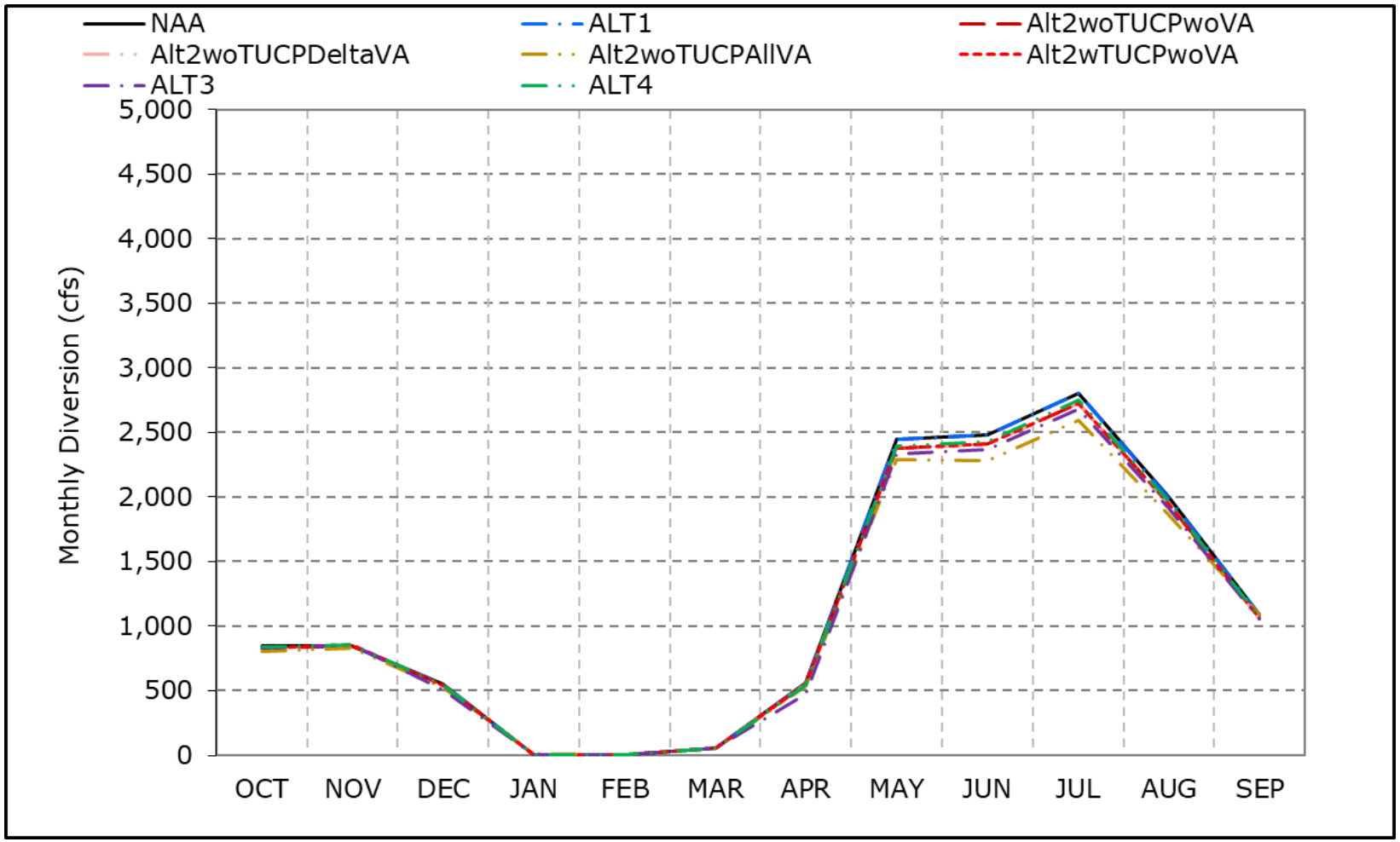
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	961	968	637	0	7	102	666	2,656	2,680	3,013	2,153	1,211
20% Exceedance	925	929	589	0	6	78	626	2,608	2,627	2,975	2,128	1,175
30% Exceedance	913	904	578	0	6	61	600	2,559	2,570	2,931	2,110	1,150
40% Exceedance	896	870	565	0	5	49	566	2,518	2,544	2,894	2,093	1,130
50% Exceedance	856	849	544	0	5	40	541	2,469	2,507	2,876	2,066	1,111
60% Exceedance	819	833	530	0	5	35	530	2,426	2,466	2,854	2,050	1,081
70% Exceedance	781	805	520	0	4	30	504	2,341	2,401	2,818	2,023	1,059
80% Exceedance	757	785	494	0	3	27	461	2,272	2,348	2,755	1,975	998
90% Exceedance	684	743	467	0	3	22	397	1,886	2,088	2,116	1,452	896
Full Simulation Period Average[a]	841	855	548	0	5	54	542	2,399	2,434	2,753	1,968	1,073
Wet Water Years (28%)	883	860	558	0	4	32	499	2,442	2,458	2,865	2,076	1,122
Above Normal Water Years (14%)	841	845	547	0	4	37	544	2,478	2,547	2,880	2,050	1,138
Below Normal Water Years (18%)	855	864	540	0	5	59	571	2,517	2,538	2,909	2,092	1,101
Dry Water Years (24%)	857	862	561	0	5	60	601	2,506	2,585	2,919	2,097	1,120
Critical Water Years (16%)	720	835	516	0	5	93	493	1,961	1,950	2,020	1,372	832

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

Table F.2.3-3-7c. Hamilton City Diversion–Glenn Colusa Canal, Alternative 4 minus No Action Alternative, Monthly Diversion (cfs)

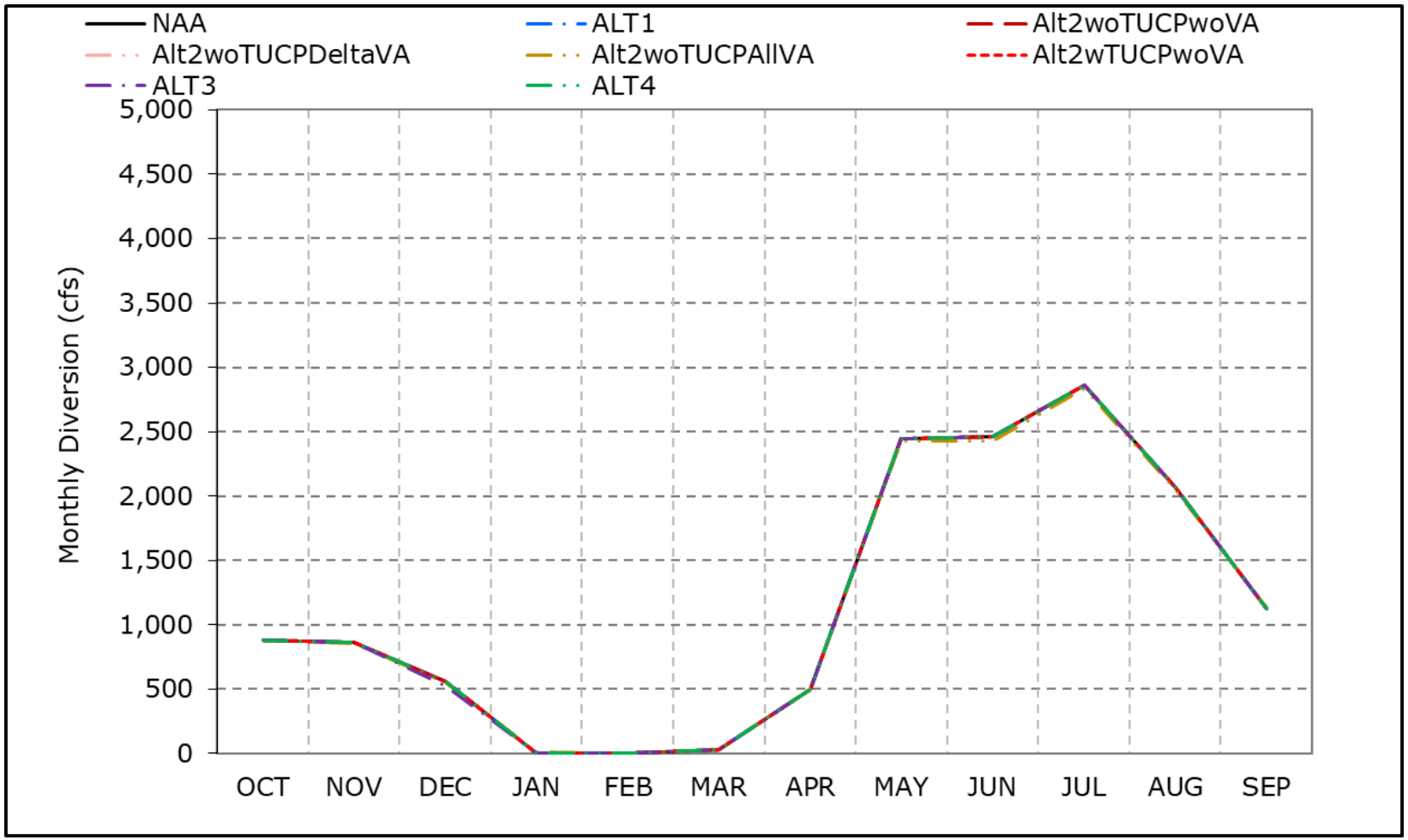
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	-2	-8	0	0	0	-2	0
20% Exceedance	0	0	0	0	0	0	-8	0	0	0	-1	0
30% Exceedance	0	0	0	0	0	0	-17	0	0	0	0	0
40% Exceedance	0	-3	0	0	0	-4	-8	0	0	0	2	0
50% Exceedance	0	0	-6	0	0	0	-17	0	0	0	0	0
60% Exceedance	-3	1	-2	0	0	0	-11	0	0	0	0	0
70% Exceedance	-14	2	-3	0	0	-2	-24	-5	0	0	0	-5
80% Exceedance	-4	25	0	0	0	-1	-41	-7	0	0	0	-8
90% Exceedance	-34	9	-1	0	0	0	-40	-327	-146	-132	-112	-55
Full Simulation Period Average[a]	-4	6	-1	0	0	-1	-18	-45	-45	-48	-36	-21
Wet Water Years (28%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (14%)	0	0	0	0	0	0	0	0	0	1	0	0
Below Normal Water Years (18%)	0	0	0	0	0	-1	-9	0	0	0	-1	0
Dry Water Years (24%)	0	0	0	0	0	0	0	0	0	-1	0	0
Critical Water Years (16%)	-26	41	-9	0	0	-4	-103	-282	-283	-300	-223	-129

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



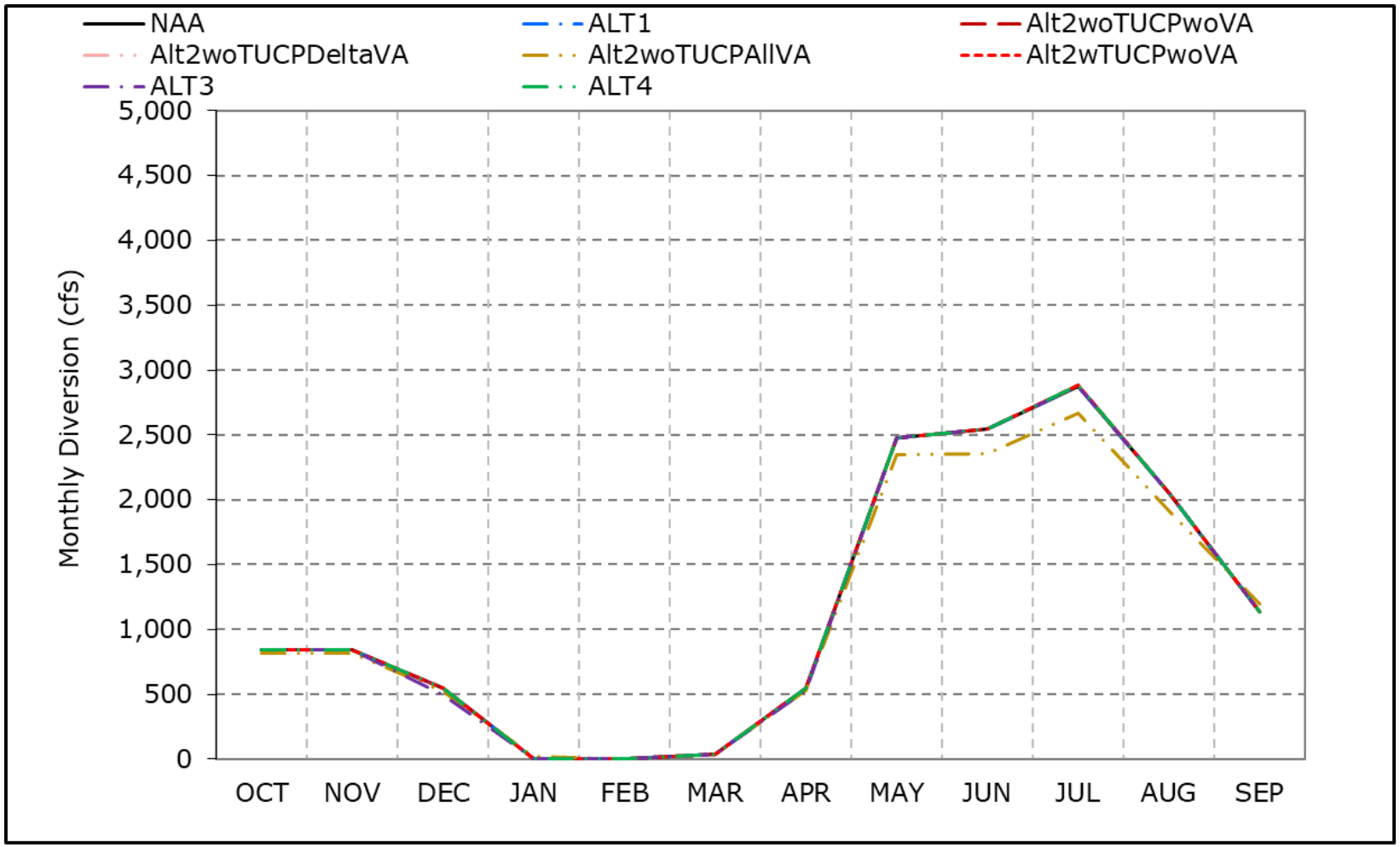
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-3-1. Hamilton City Diversion–Glenn Colusa Canal, Long-Term Average Diversion



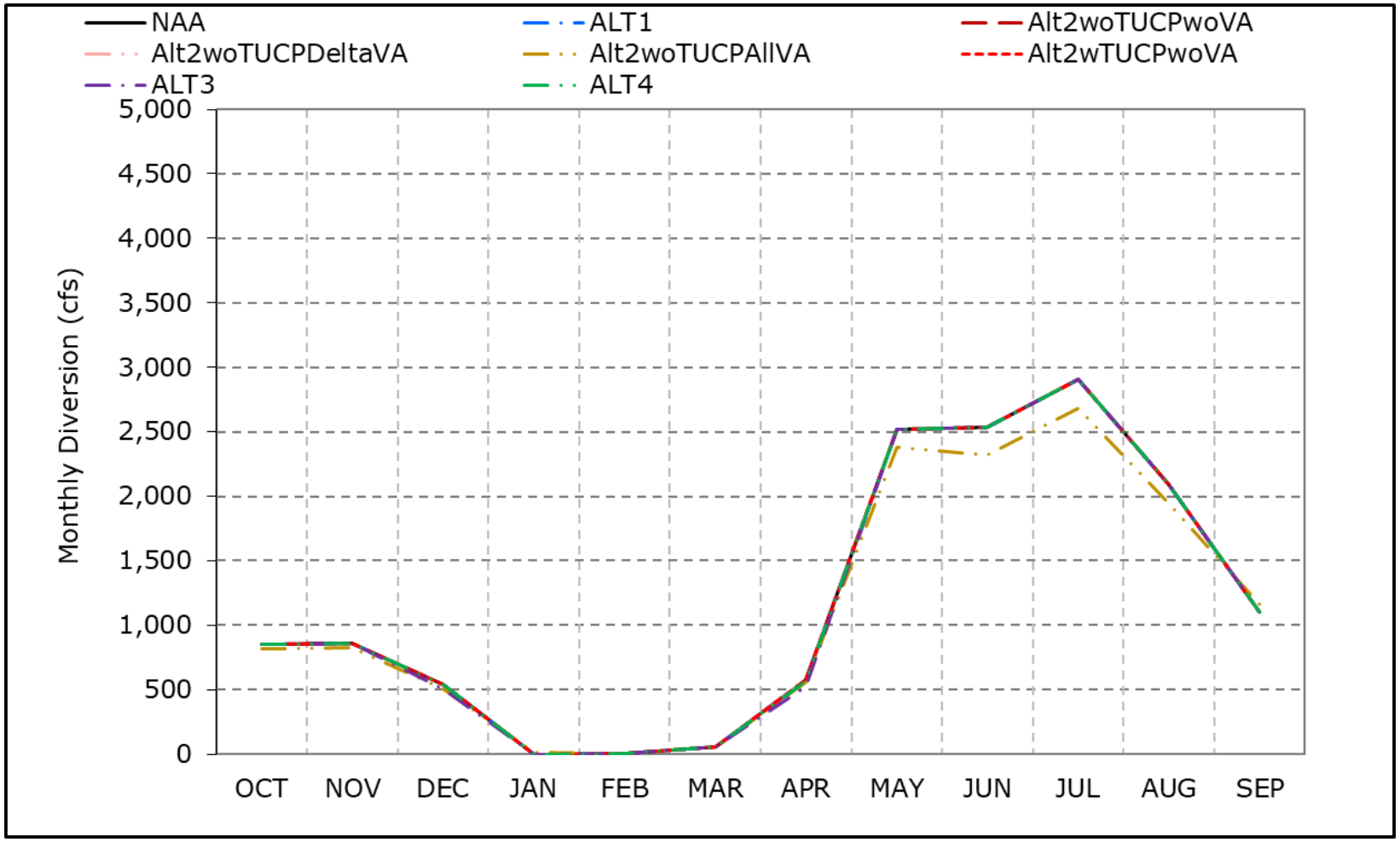
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-3-2. Hamilton City Diversion–Glenn Colusa Canal, Wet Year Average Diversion



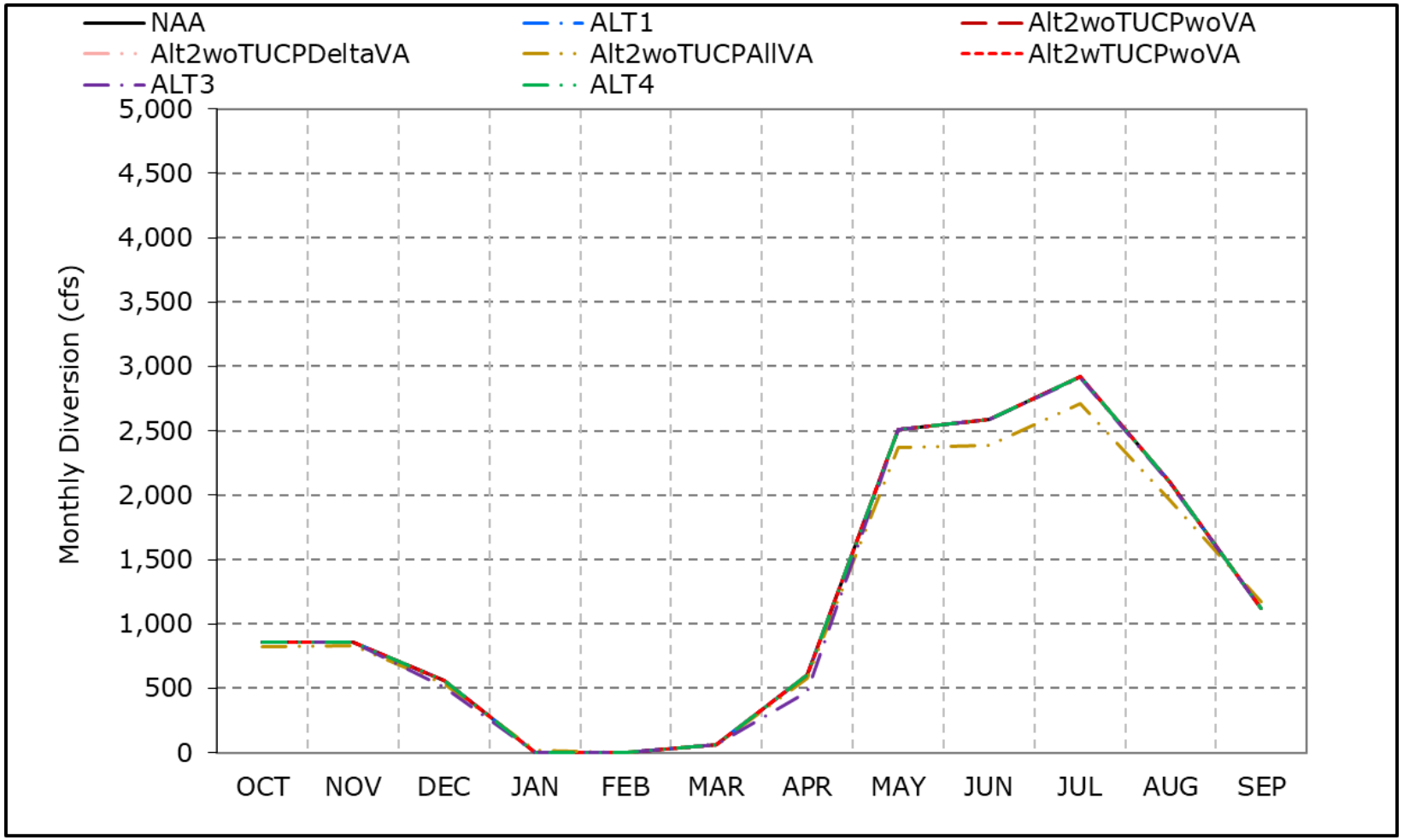
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-3-3. Hamilton City Diversion–Glenn Colusa Canal, Above Normal Year Average Diversion



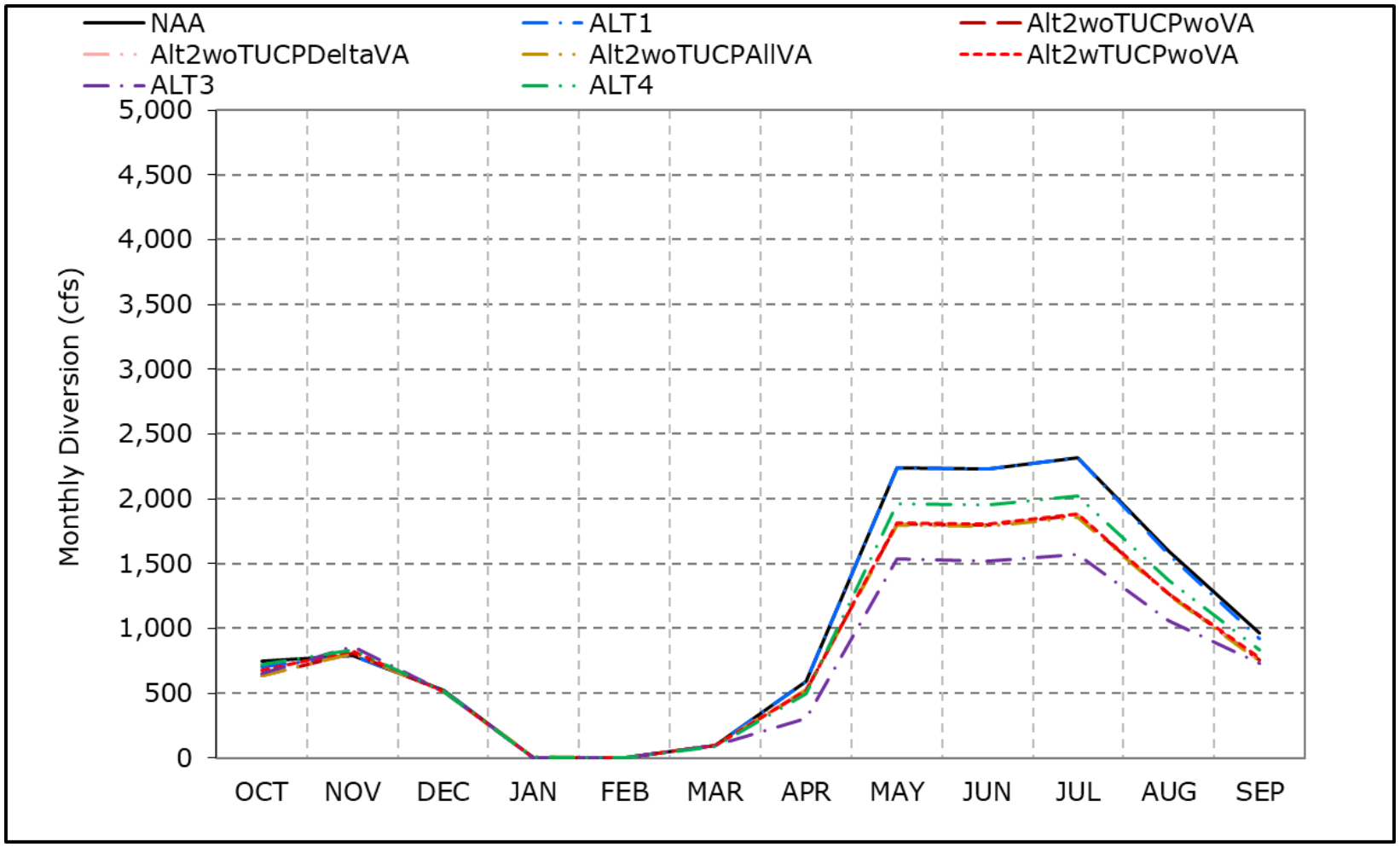
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-3-4. Hamilton City Diversion–Glenn Colusa Canal, Below Normal Year Average Diversion



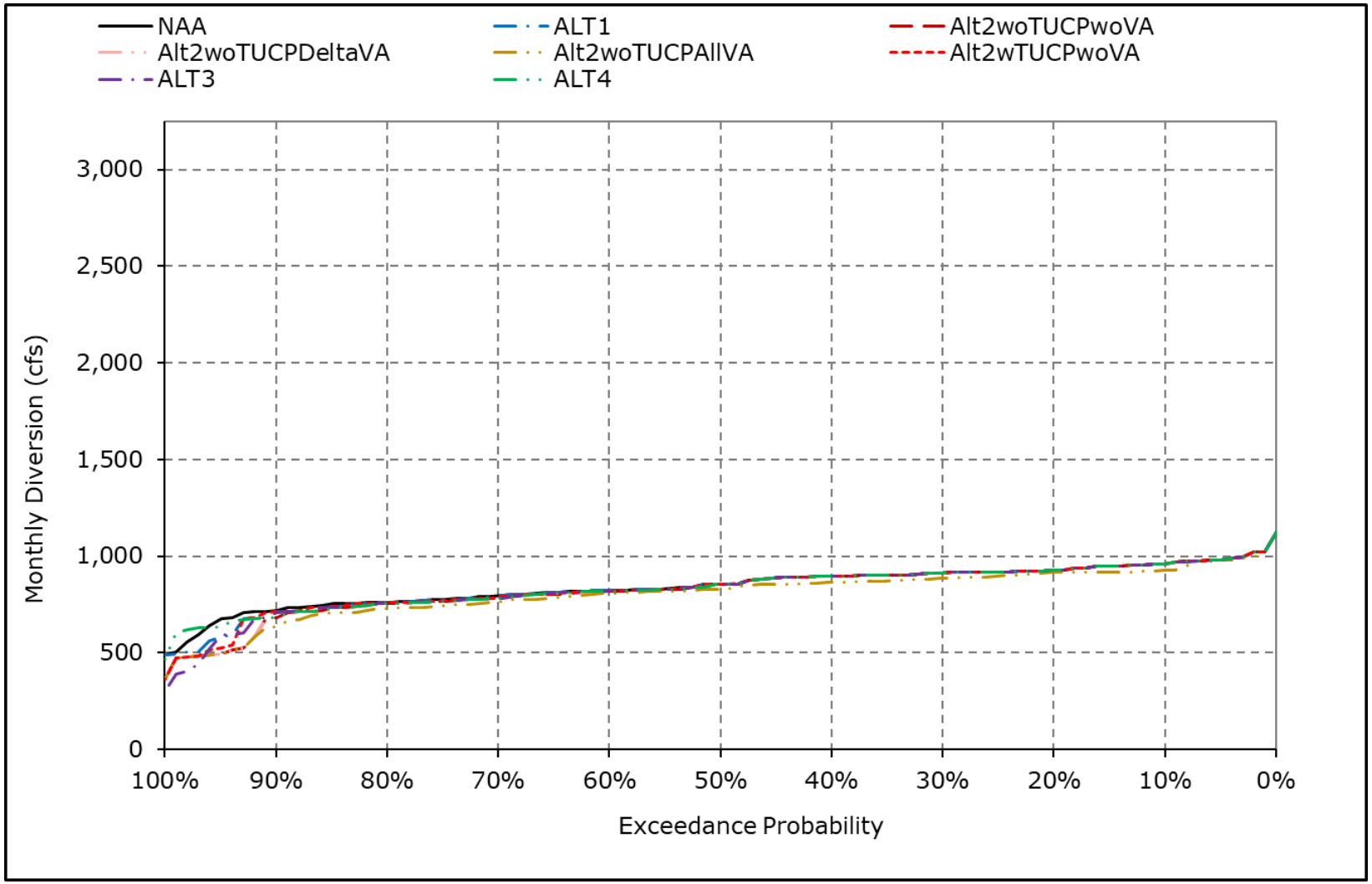
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-3-5. Hamilton City Diversion–Glenn Colusa Canal, Dry Year Average Diversion



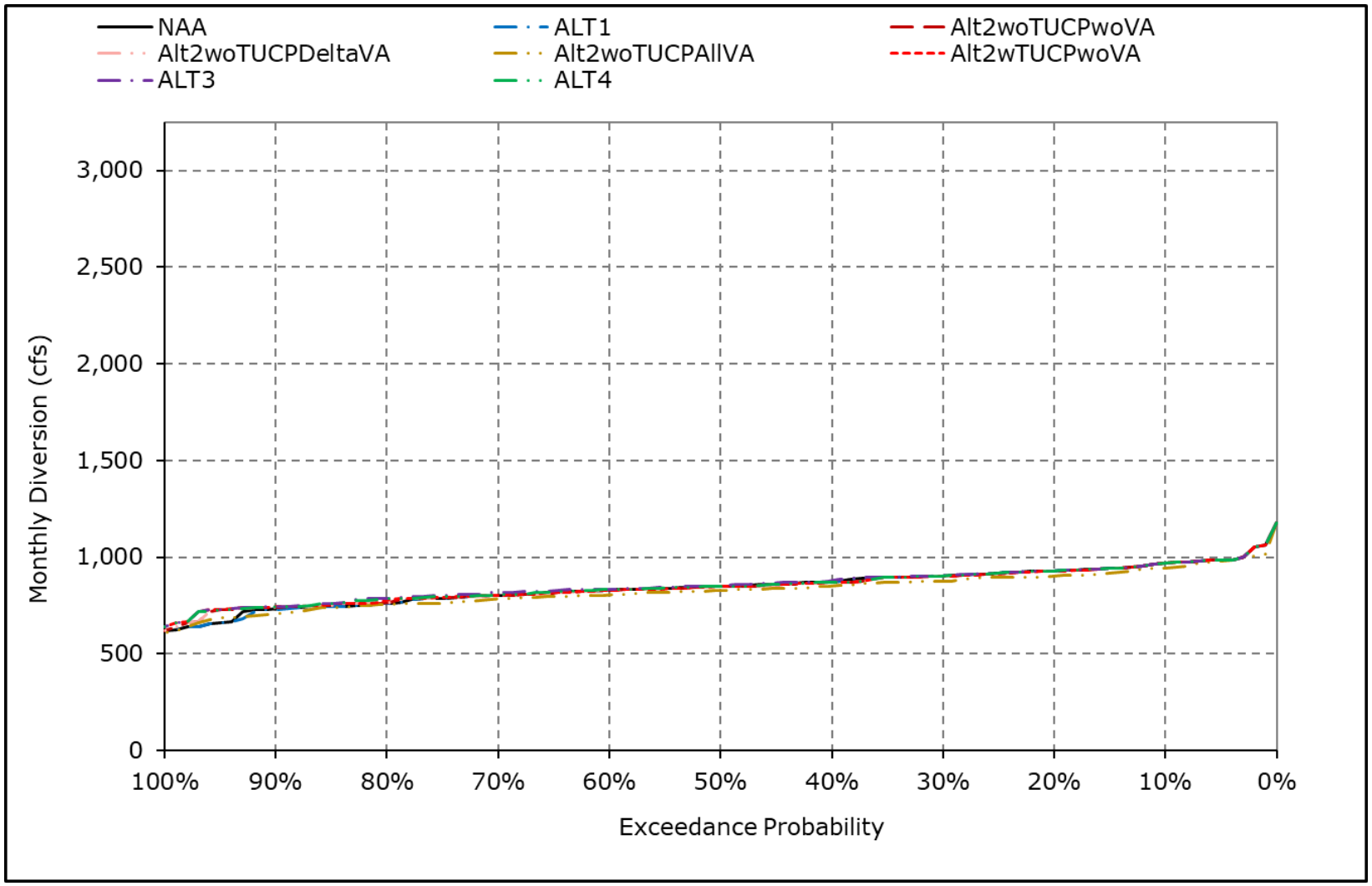
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-3-6. Hamilton City Diversion–Glenn Colusa Canal, Critical Year Average Diversion



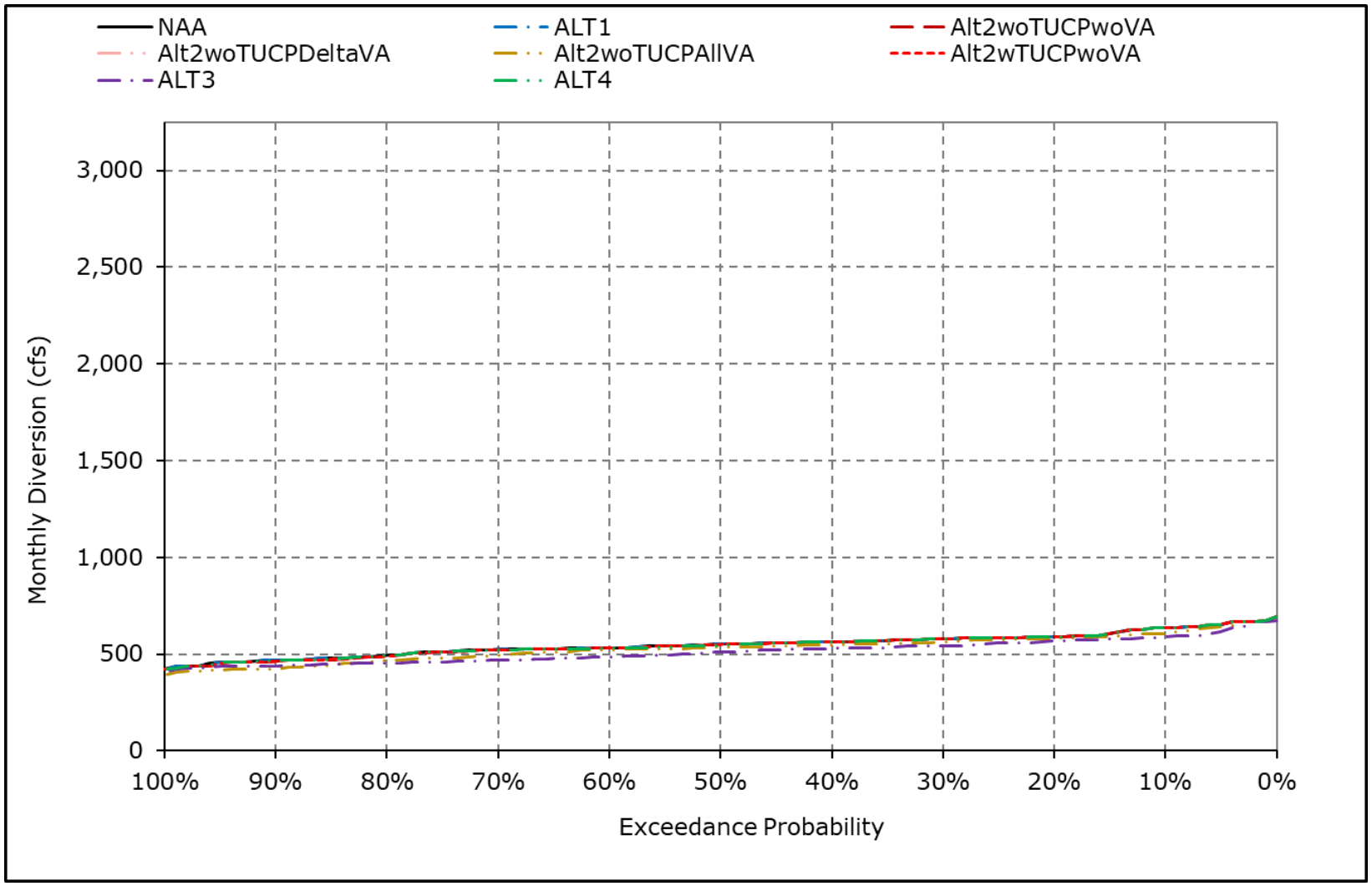
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-3-7. Hamilton City Diversion–Glenn Colusa Canal, October



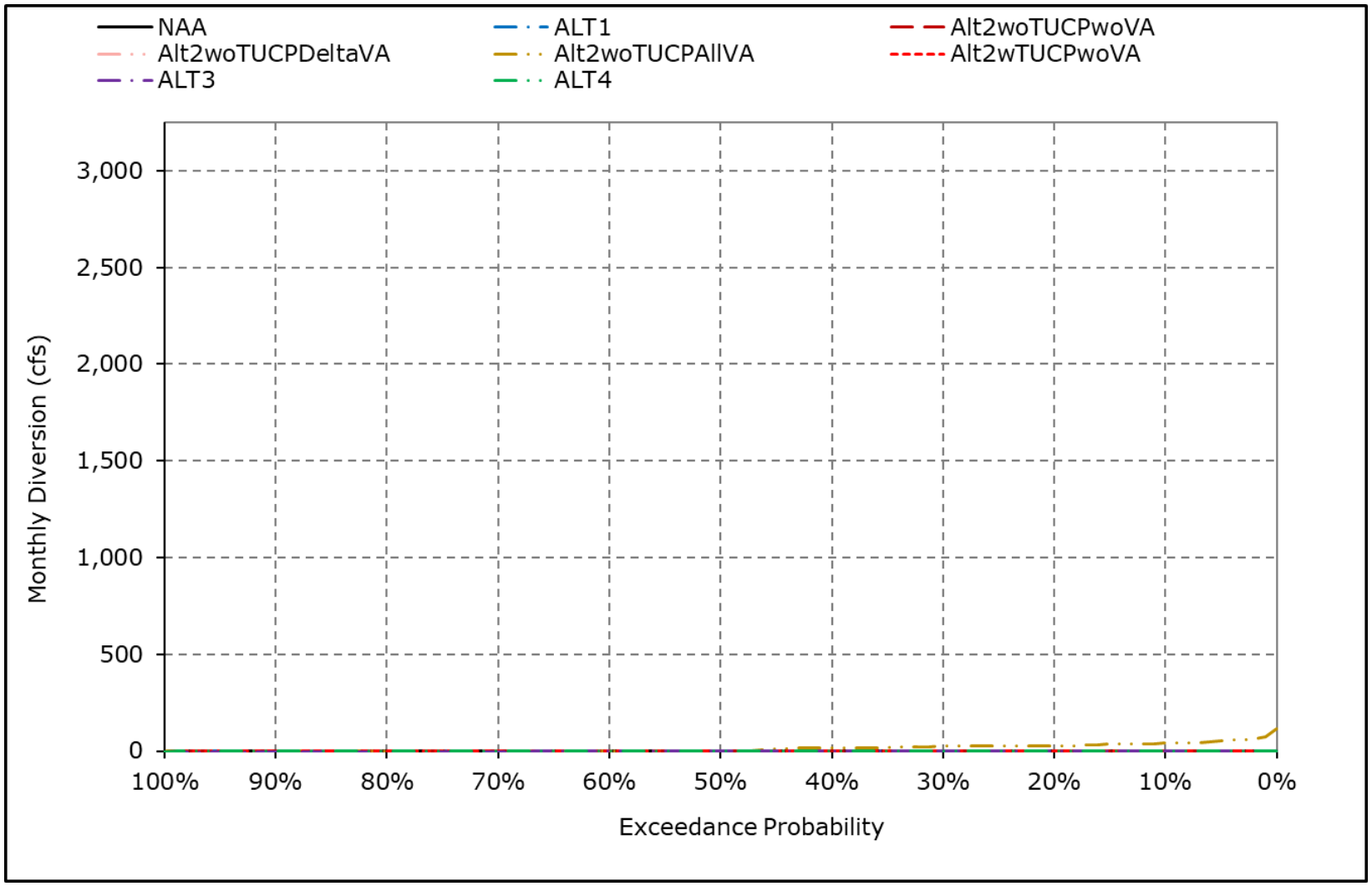
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-3-8. Hamilton City Diversion–Glenn Colusa Canal, November



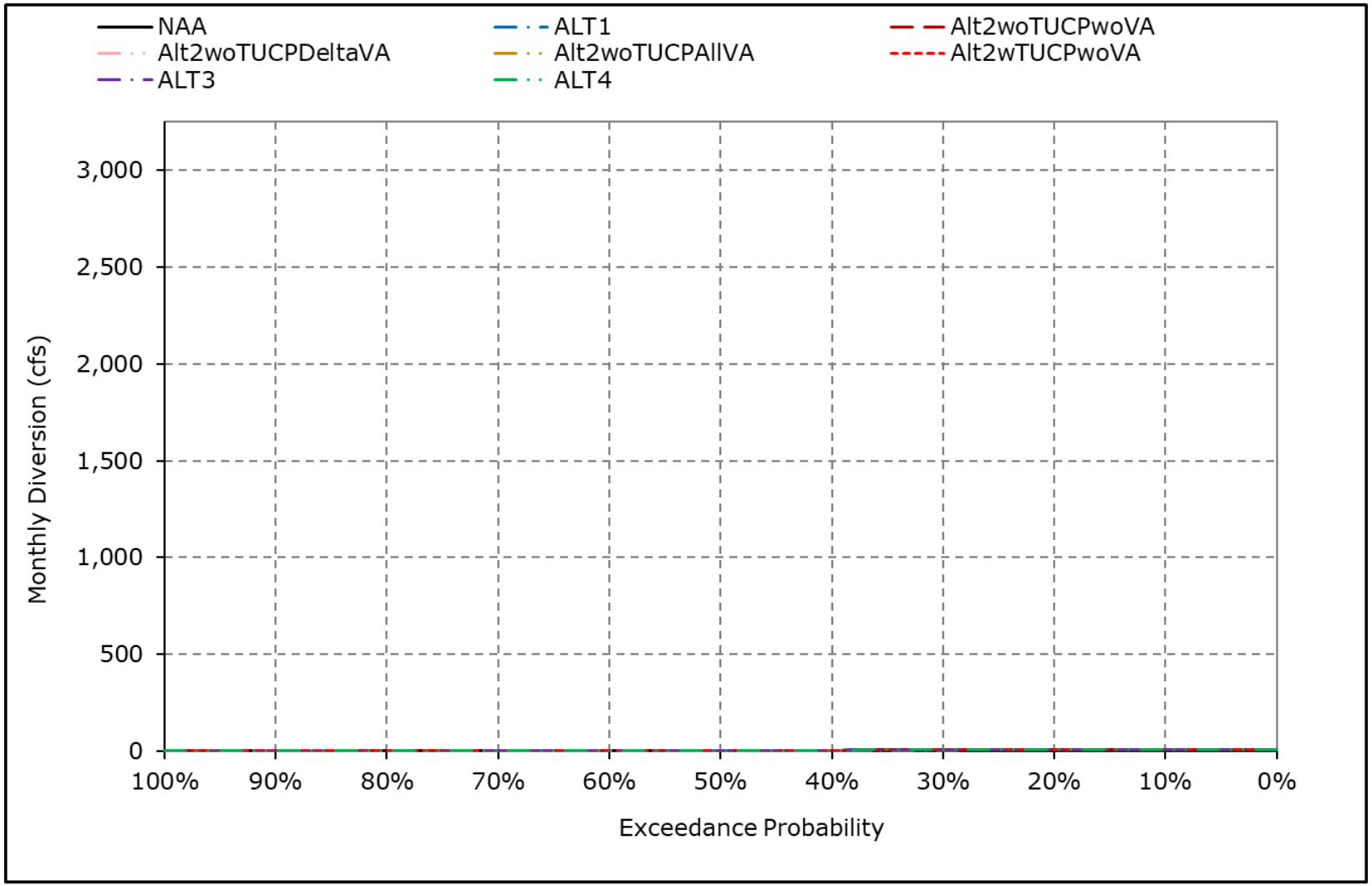
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-3-9. Hamilton City Diversion–Glenn Colusa Canal, December



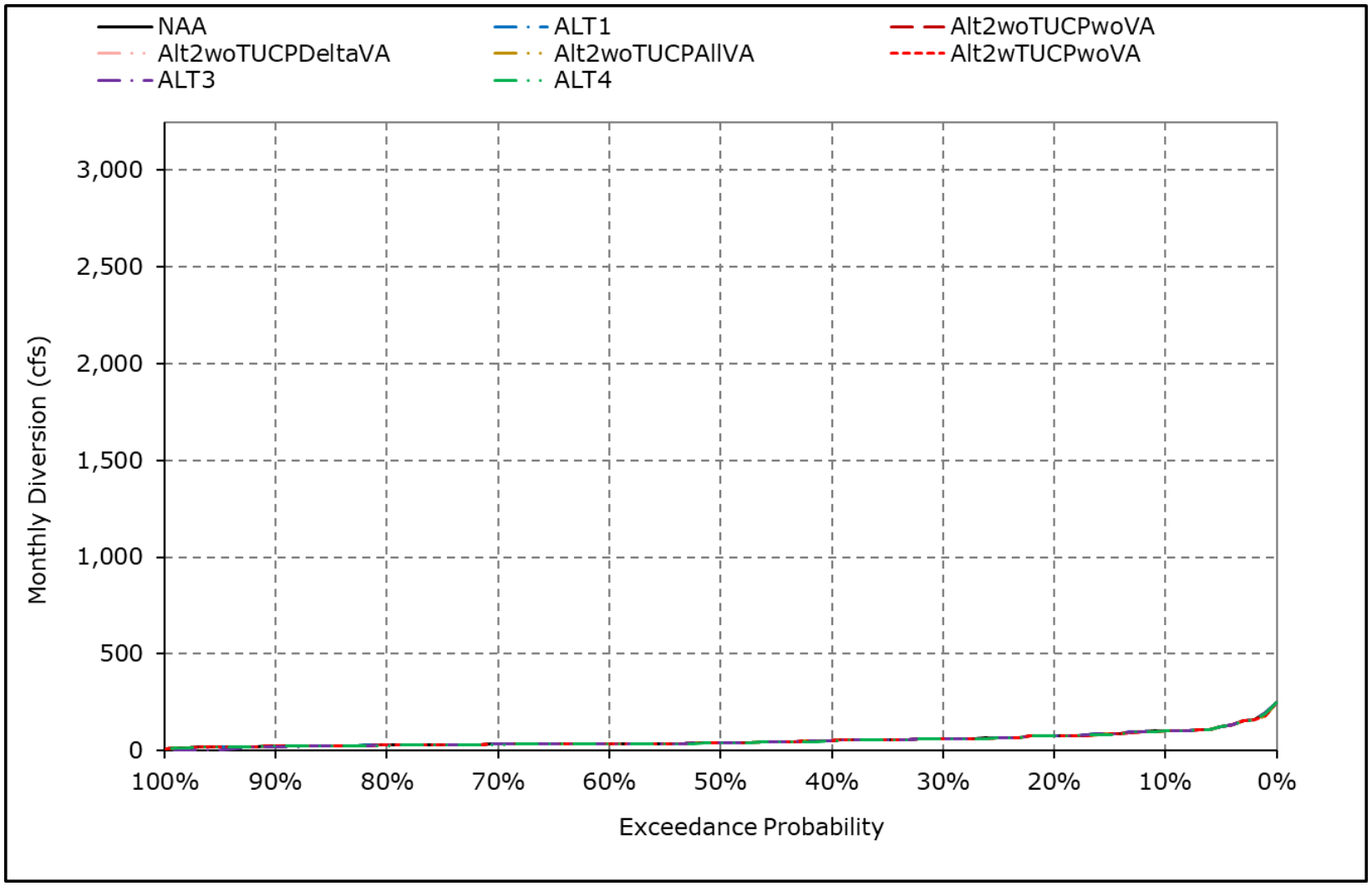
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-3-10. Hamilton City Diversion–Glenn Colusa Canal, January



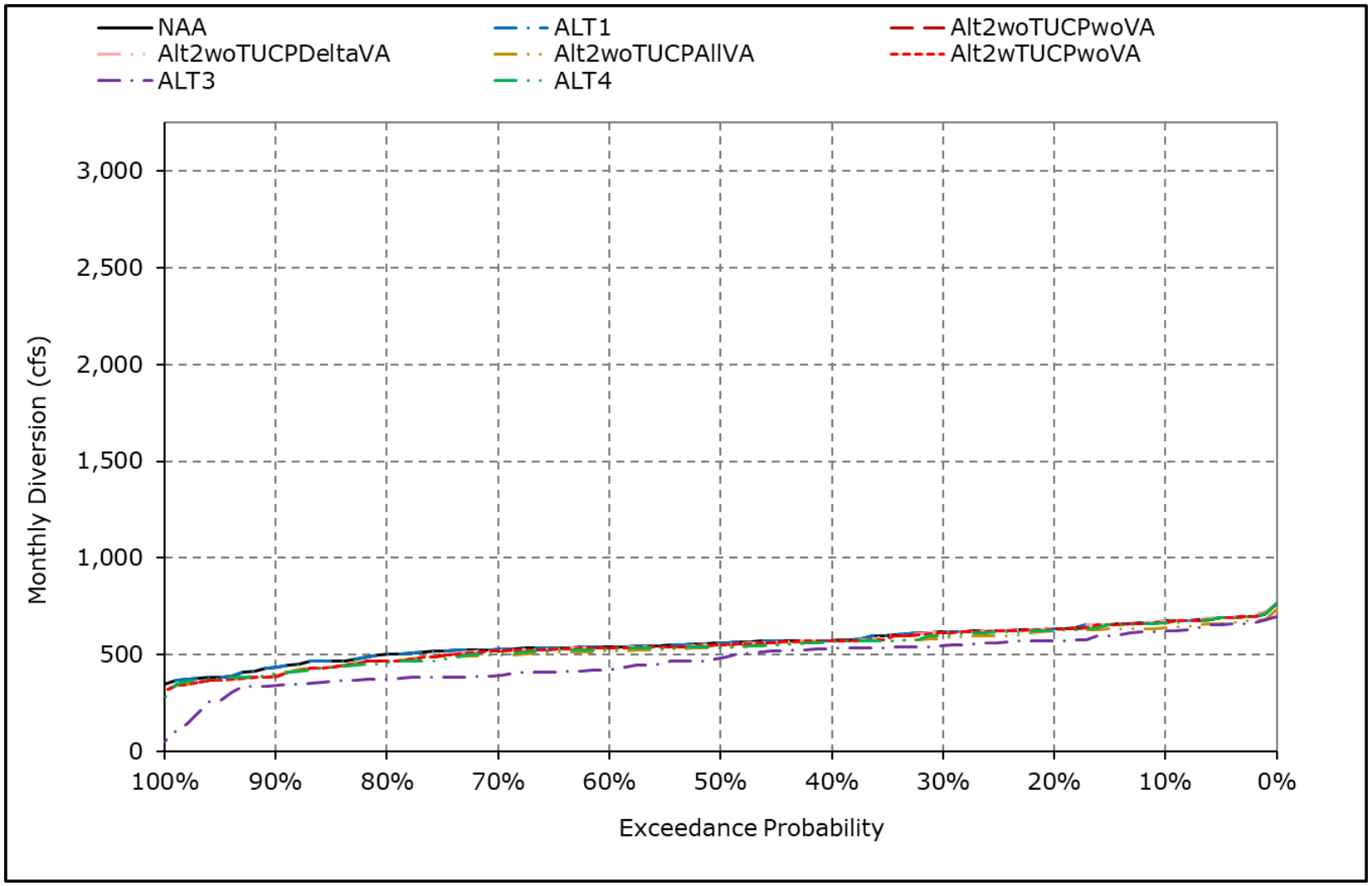
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-3-11. Hamilton City Diversion–Glenn Colusa Canal, February



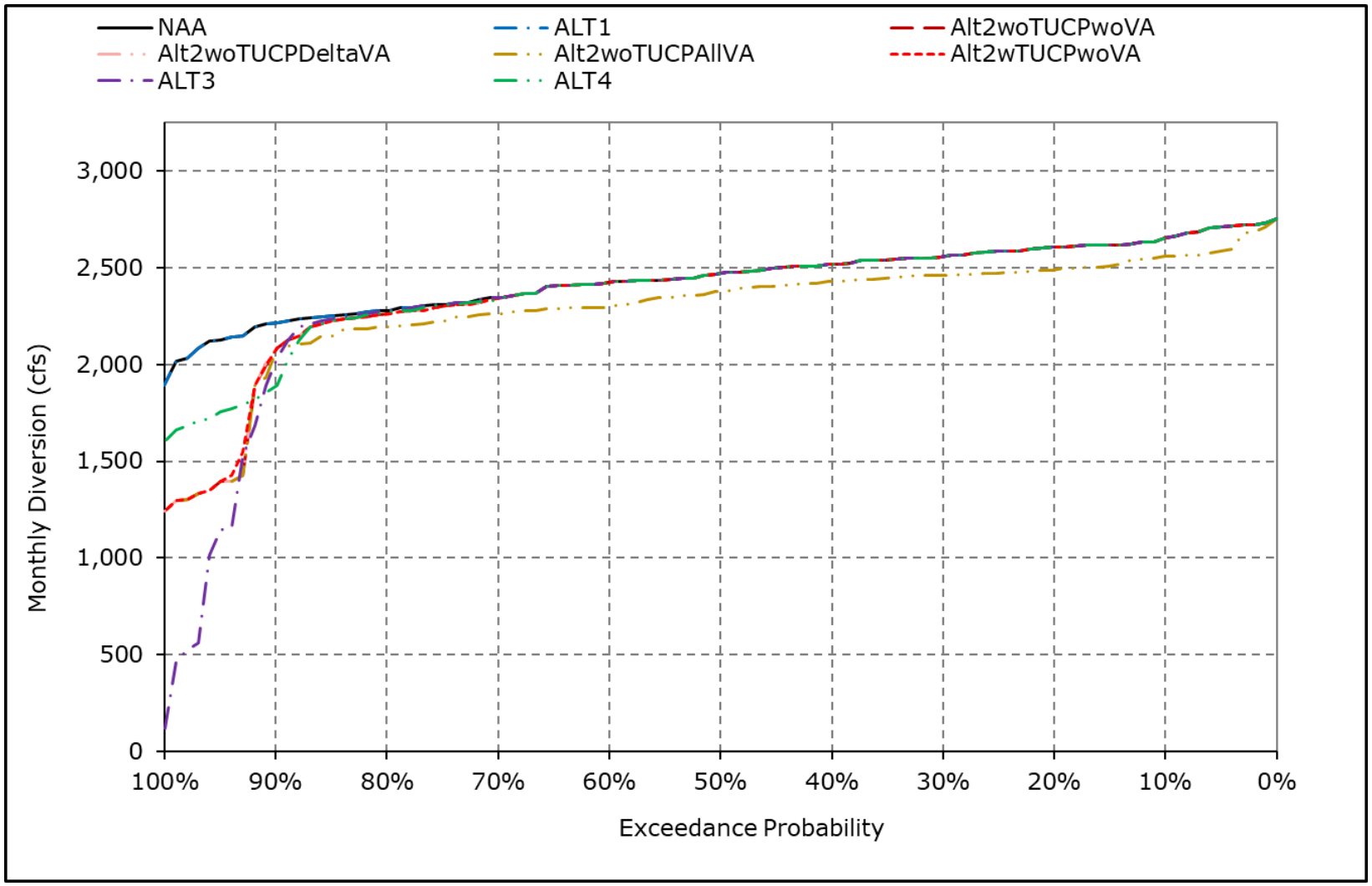
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-3-12. Hamilton City Diversion–Glenn Colusa Canal, March



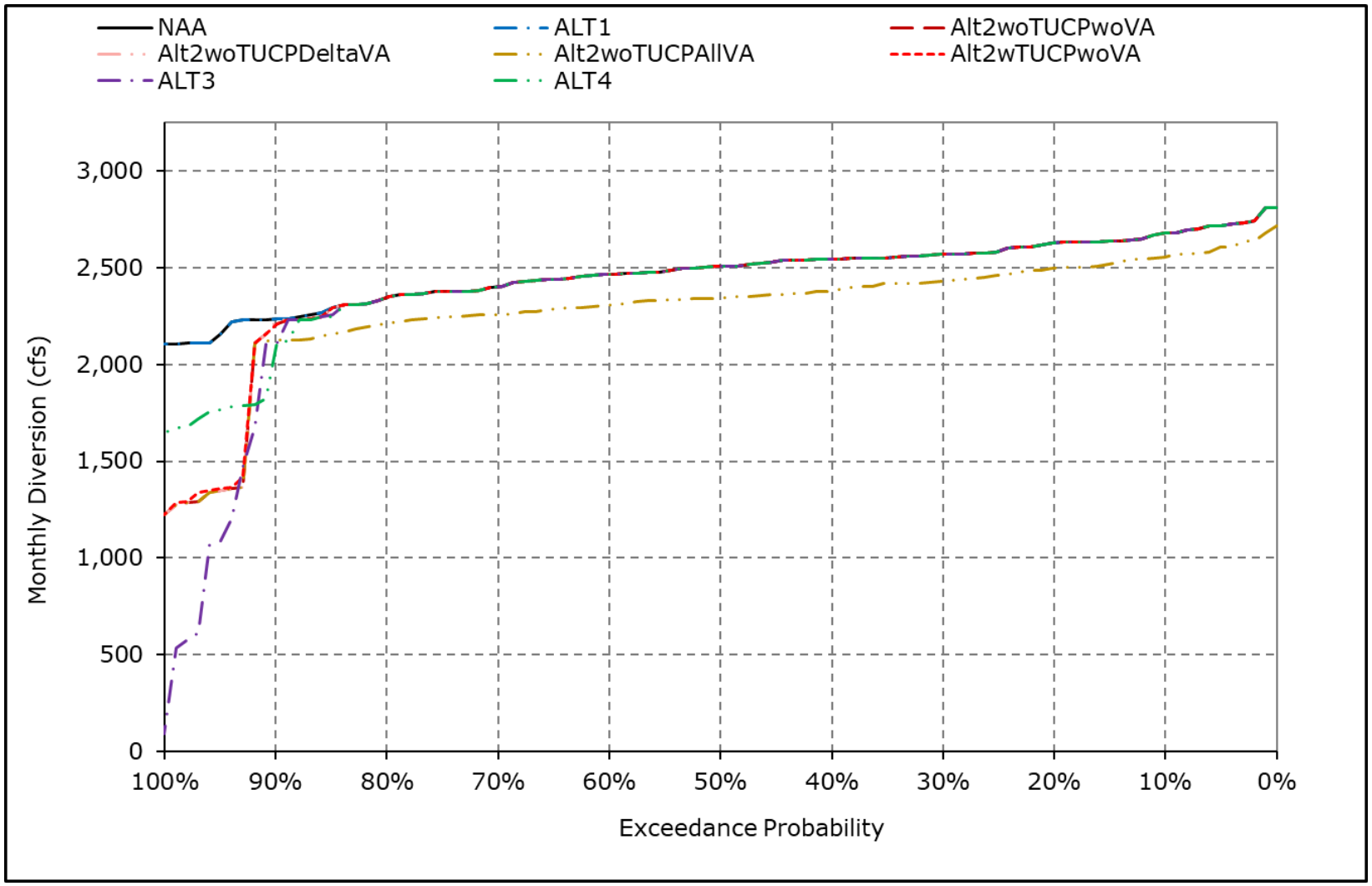
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-3-13. Hamilton City Diversion–Glenn Colusa Canal, April



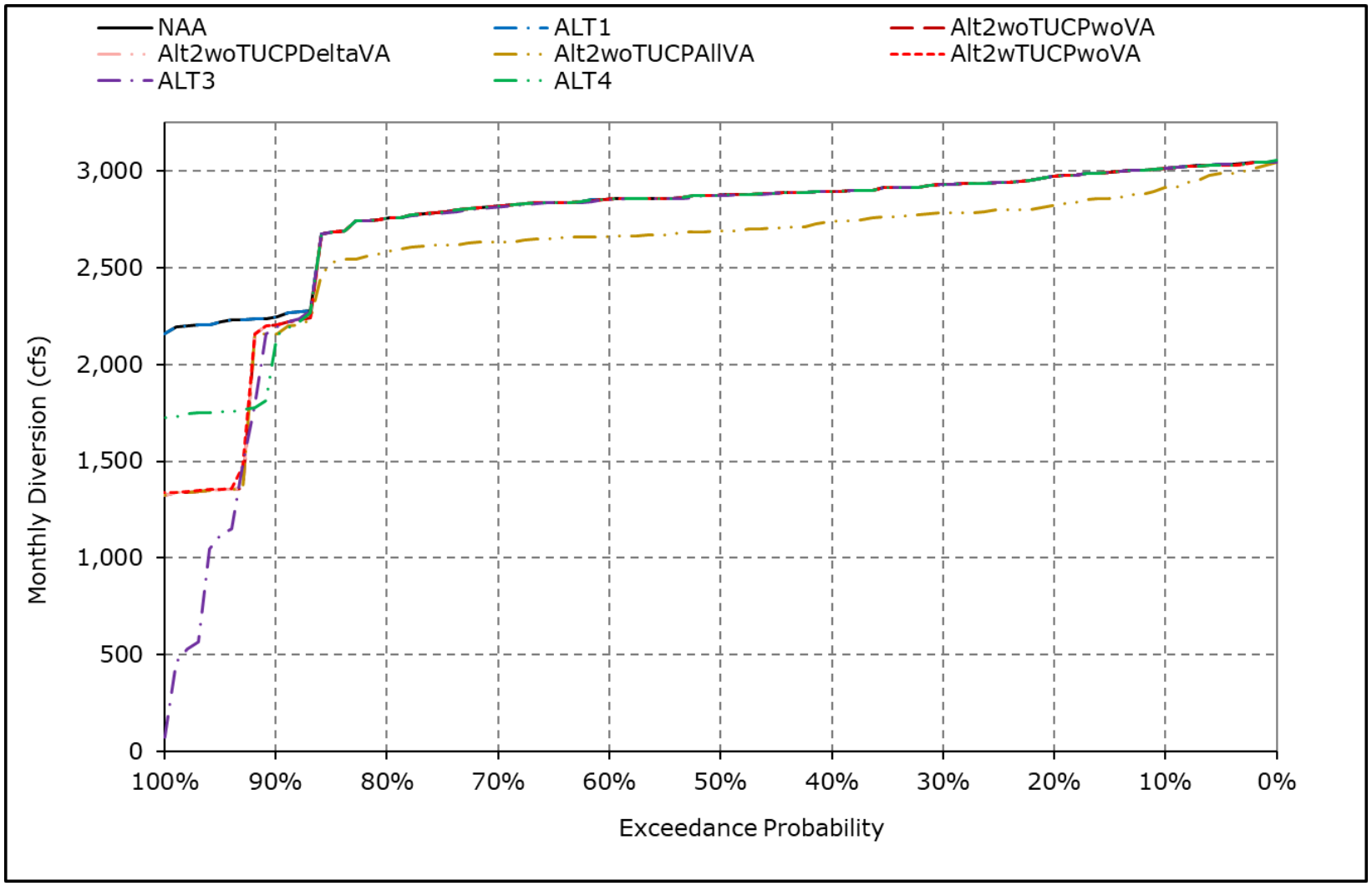
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-3-14. Hamilton City Diversion–Glenn Colusa Canal, May



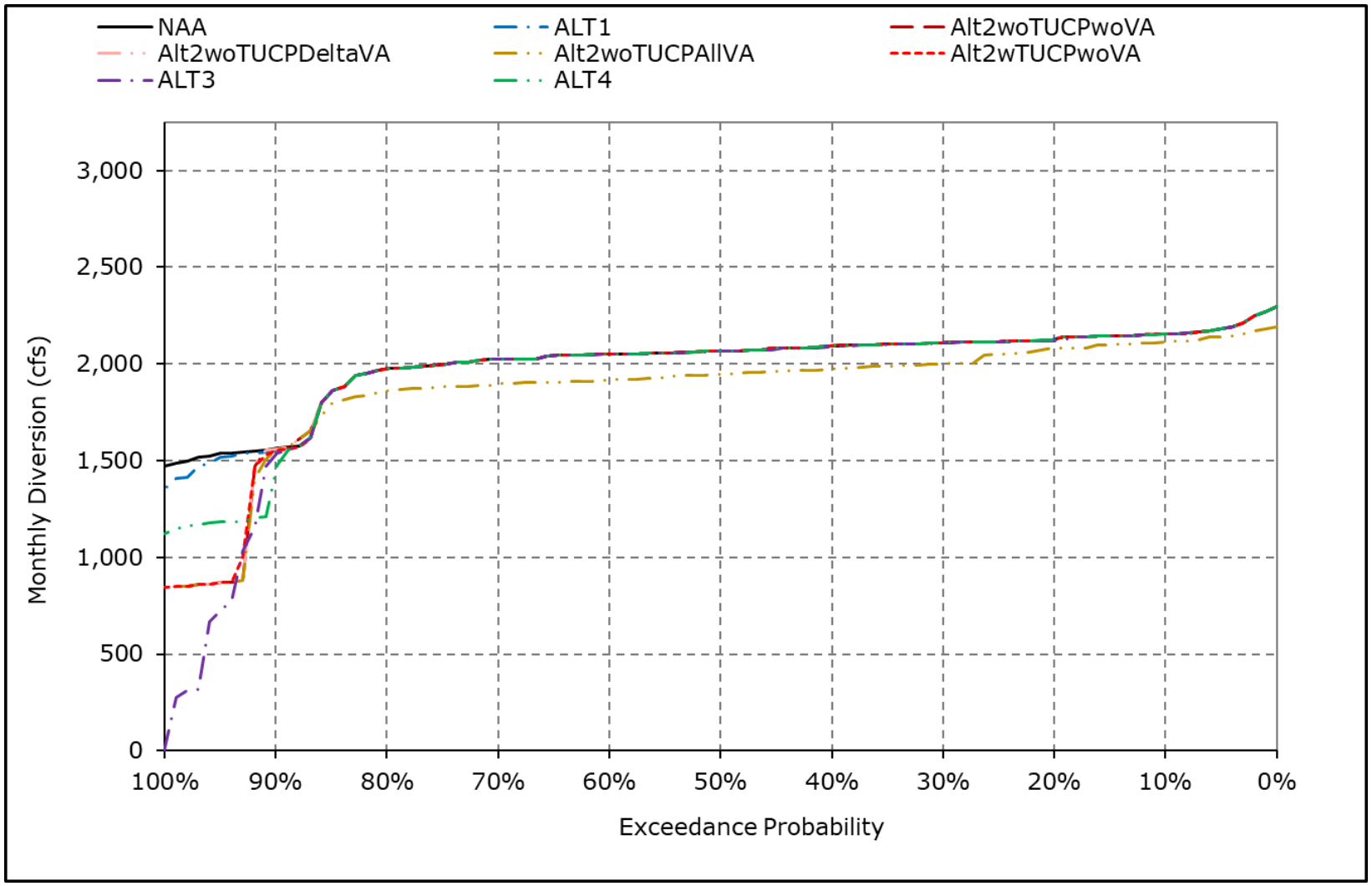
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-3-15. Hamilton City Diversion–Glenn Colusa Canal, June



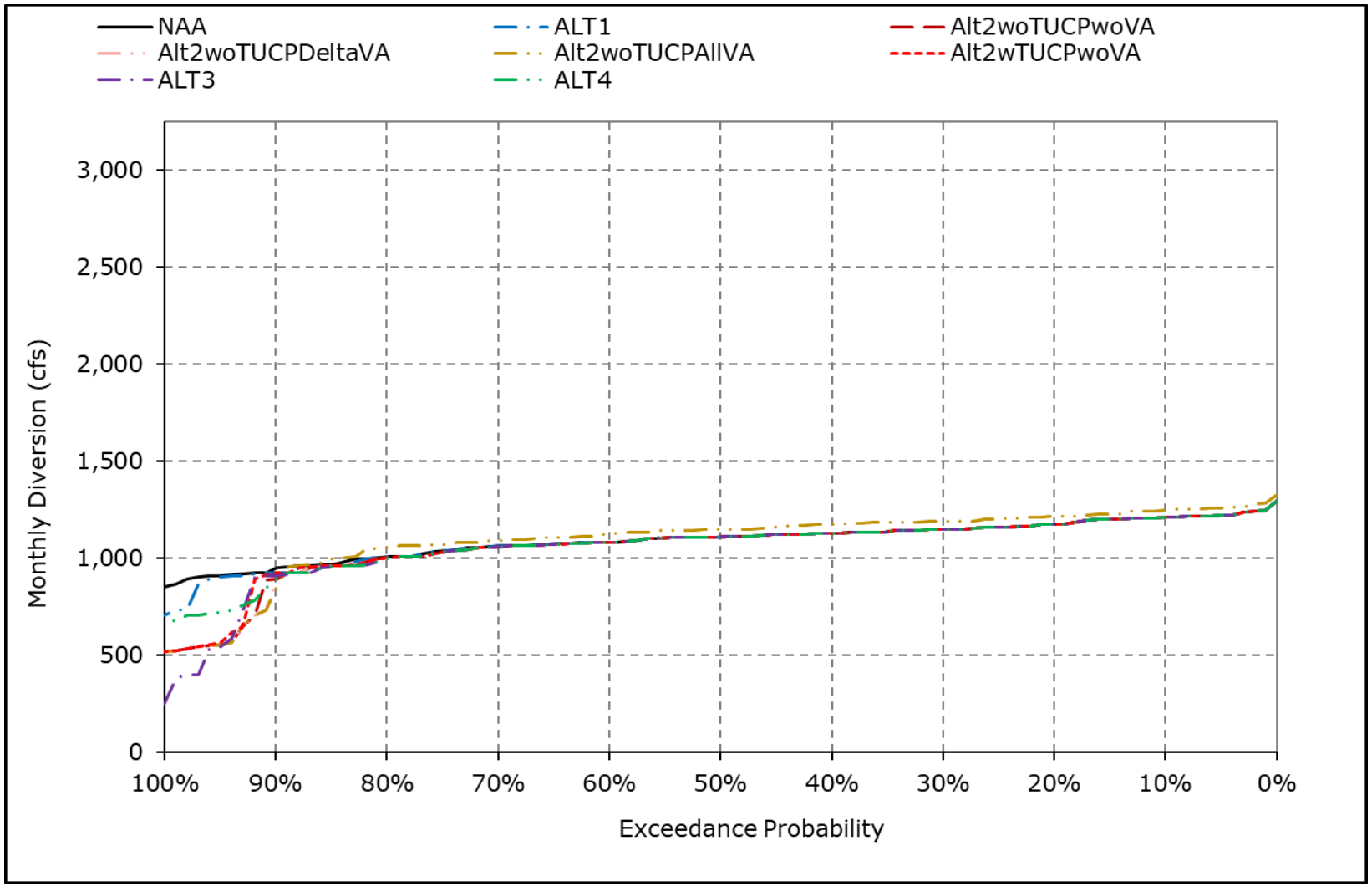
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-3-16. Hamilton City Diversion–Glenn Colusa Canal, July



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

Figure F.2.3-3-17. Hamilton City Diversion–Glenn Colusa Canal, August



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

Figure F.2.3-3-18. Hamilton City Diversion–Glenn Colusa Canal, September

Table F.2.3-4-1a. Folsom South Canal Diversion, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
20% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
30% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
40% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
50% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
60% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
70% Exceedance	31	26	28	26	29	25	29	34	35	48	38	32
80% Exceedance	31	26	28	26	29	24	28	34	35	48	38	32
90% Exceedance	27	23	24	22	26	14	17	20	22	28	24	20
Full Simulation Period Average[a]	29	24	27	24	29	23	27	32	33	46	36	30
Wet Water Years (28%)	31	26	28	26	30	25	28	34	35	48	38	32
Above Normal Water Years (14%)	31	26	28	24	28	25	29	34	35	48	38	32
Below Normal Water Years (18%)	31	26	28	24	29	23	28	33	35	48	38	32
Dry Water Years (24%)	31	26	28	25	29	24	28	33	34	48	38	32
Critical Water Years (16%)	21	17	19	22	25	16	21	24	25	34	28	24

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

Table F.2.3-4-1b. Folsom South Canal Diversion, Alternative 1, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
20% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
30% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
40% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
50% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
60% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
70% Exceedance	31	26	28	26	29	25	29	34	35	48	38	32
80% Exceedance	31	26	28	26	29	24	28	34	35	48	38	32
90% Exceedance	28	23	25	23	27	14	25	31	32	44	35	29
Full Simulation Period Average[a]	29	25	27	24	29	24	27	32	33	46	36	30
Wet Water Years (28%)	31	26	28	26	30	25	28	34	35	48	38	32
Above Normal Water Years (14%)	31	26	28	25	29	25	29	34	35	48	38	32
Below Normal Water Years (18%)	31	26	28	24	29	23	28	33	35	48	38	32
Dry Water Years (24%)	31	26	28	25	29	24	28	33	34	48	38	32
Critical Water Years (16%)	20	18	20	22	26	19	21	25	27	36	29	24

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

Table F.2.3-4-1c. Folsom South Canal Diversion, Alternative 1 minus No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	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	1	1	1	1	1	0	9	11	10	16	11	9
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (28%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years (14%)	0	0	0	1	1	0	0	0	0	0	0	0
Below Normal Water Years (18%)	0	0	0	0	0	0	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%)	-1	1	1	0	0	2	1	2	2	2	2	0

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

Table F.2.3-4-2a. Folsom South Canal Diversion, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
20% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
30% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
40% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
50% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
60% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
70% Exceedance	31	26	28	26	29	25	29	34	35	48	38	32
80% Exceedance	31	26	28	26	29	24	28	34	35	48	38	32
90% Exceedance	27	23	24	22	26	14	17	20	22	28	24	20
Full Simulation Period Average[a]	29	24	27	24	29	23	27	32	33	46	36	30
Wet Water Years (28%)	31	26	28	26	30	25	28	34	35	48	38	32
Above Normal Water Years (14%)	31	26	28	24	28	25	29	34	35	48	38	32
Below Normal Water Years (18%)	31	26	28	24	29	23	28	33	35	48	38	32
Dry Water Years (24%)	31	26	28	25	29	24	28	33	34	48	38	32
Critical Water Years (16%)	21	17	19	22	25	16	21	24	25	34	28	24

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

Table F.2.3-4-2b. Folsom South Canal Diversion, Alt2woTUCPwoVA, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
20% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
30% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
40% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
50% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
60% Exceedance	31	26	28	26	29	25	29	34	35	48	38	32
70% Exceedance	31	26	28	26	29	25	29	34	35	48	38	32
80% Exceedance	31	26	28	25	27	23	27	33	34	47	37	31
90% Exceedance	28	23	25	23	25	23	26	31	32	44	35	29
Full Simulation Period Average[a]	29	24	27	24	28	24	27	32	33	46	36	30
Wet Water Years (28%)	31	26	28	26	30	25	28	34	35	48	38	32
Above Normal Water Years (14%)	31	26	28	25	30	25	29	34	35	48	38	32
Below Normal Water Years (18%)	31	26	28	25	29	25	28	33	35	48	38	32
Dry Water Years (24%)	30	25	28	24	29	25	28	33	34	48	38	31
Critical Water Years (16%)	21	18	20	22	22	21	23	25	27	36	29	23

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

Table F.2.3-4-2c. Folsom South Canal Diversion, Alt2woTUCPwoVA minus No Action Alternative, Monthly Diversion (cfs)

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

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

Table F.2.3-4-3a. Folsom South Canal Diversion, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
20% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
30% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
40% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
50% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
60% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
70% Exceedance	31	26	28	26	29	25	29	34	35	48	38	32
80% Exceedance	31	26	28	26	29	24	28	34	35	48	38	32
90% Exceedance	27	23	24	22	26	14	17	20	22	28	24	20
Full Simulation Period Average[a]	29	24	27	24	29	23	27	32	33	46	36	30
Wet Water Years (28%)	31	26	28	26	30	25	28	34	35	48	38	32
Above Normal Water Years (14%)	31	26	28	24	28	25	29	34	35	48	38	32
Below Normal Water Years (18%)	31	26	28	24	29	23	28	33	35	48	38	32
Dry Water Years (24%)	31	26	28	25	29	24	28	33	34	48	38	32
Critical Water Years (16%)	21	17	19	22	25	16	21	24	25	34	28	24

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

Table F.2.3-4-3b. Folsom South Canal Diversion, Alt2woTUCPDeltaVA, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
20% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
30% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
40% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
50% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
60% Exceedance	31	26	28	26	29	25	29	34	35	48	38	32
70% Exceedance	31	26	28	26	29	25	29	34	35	48	38	32
80% Exceedance	31	26	28	25	27	23	28	33	34	47	37	31
90% Exceedance	28	23	25	23	27	23	26	31	32	44	35	29
Full Simulation Period Average[a]	29	25	27	25	28	24	28	32	33	46	36	30
Wet Water Years (28%)	31	26	28	26	30	25	28	34	35	48	38	32
Above Normal Water Years (14%)	31	26	28	25	30	25	29	34	35	48	38	32
Below Normal Water Years (18%)	31	26	28	25	29	25	28	33	35	48	38	32
Dry Water Years (24%)	30	25	28	24	29	25	28	33	34	48	38	31
Critical Water Years (16%)	22	18	21	22	22	21	24	26	27	37	30	24

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

Table F.2.3-4-3c. Folsom South Canal Diversion, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Diversion (cfs)

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

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

Table F.2.3-4-4a. Folsom South Canal Diversion, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
20% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
30% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
40% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
50% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
60% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
70% Exceedance	31	26	28	26	29	25	29	34	35	48	38	32
80% Exceedance	31	26	28	26	29	24	28	34	35	48	38	32
90% Exceedance	27	23	24	22	26	14	17	20	22	28	24	20
Full Simulation Period Average[a]	29	24	27	24	29	23	27	32	33	46	36	30
Wet Water Years (28%)	31	26	28	26	30	25	28	34	35	48	38	32
Above Normal Water Years (14%)	31	26	28	24	28	25	29	34	35	48	38	32
Below Normal Water Years (18%)	31	26	28	24	29	23	28	33	35	48	38	32
Dry Water Years (24%)	31	26	28	25	29	24	28	33	34	48	38	32
Critical Water Years (16%)	21	17	19	22	25	16	21	24	25	34	28	24

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

Table F.2.3-4-4b. Folsom South Canal Diversion, Alt2woTUCPAllVA, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
20% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
30% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
40% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
50% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
60% Exceedance	31	26	28	26	29	21	23	27	35	48	38	32
70% Exceedance	31	26	28	26	29	21	23	27	35	48	38	32
80% Exceedance	31	26	28	25	27	19	22	27	34	47	37	31
90% Exceedance	28	23	25	23	27	19	21	24	32	44	35	29
Full Simulation Period Average[a]	29	24	27	24	28	23	25	29	33	46	36	30
Wet Water Years (28%)	31	26	28	26	30	25	28	34	35	48	38	32
Above Normal Water Years (14%)	31	26	28	25	30	25	29	34	35	48	38	32
Below Normal Water Years (18%)	31	26	28	25	29	24	27	32	35	48	38	32
Dry Water Years (24%)	30	25	28	24	29	21	23	27	34	48	38	31
Critical Water Years (16%)	21	18	20	22	23	17	17	18	27	36	29	23

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

Table F.2.3-4-4c. Folsom South Canal Diversion, Alt2woTUCPAllVA minus No Action Alternative, Monthly Diversion (cfs)

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

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

Table F.2.3-4-5a. Folsom South Canal Diversion, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
20% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
30% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
40% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
50% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
60% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
70% Exceedance	31	26	28	26	29	25	29	34	35	48	38	32
80% Exceedance	31	26	28	26	29	24	28	34	35	48	38	32
90% Exceedance	27	23	24	22	26	14	17	20	22	28	24	20
Full Simulation Period Average[a]	29	24	27	24	29	23	27	32	33	46	36	30
Wet Water Years (28%)	31	26	28	26	30	25	28	34	35	48	38	32
Above Normal Water Years (14%)	31	26	28	24	28	25	29	34	35	48	38	32
Below Normal Water Years (18%)	31	26	28	24	29	23	28	33	35	48	38	32
Dry Water Years (24%)	31	26	28	25	29	24	28	33	34	48	38	32
Critical Water Years (16%)	21	17	19	22	25	16	21	24	25	34	28	24

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

Table F.2.3-4-5b. Folsom South Canal Diversion, Alt2wTUCPwoVA, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
20% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
30% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
40% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
50% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
60% Exceedance	31	26	28	26	29	25	29	34	35	48	38	32
70% Exceedance	31	26	28	26	29	25	29	34	35	48	38	32
80% Exceedance	31	26	28	26	27	23	27	33	35	48	38	32
90% Exceedance	28	23	25	23	16	14	17	20	22	28	24	20
Full Simulation Period Average[a]	30	25	27	24	28	24	27	32	33	46	36	30
Wet Water Years (28%)	31	26	28	26	30	25	28	34	35	48	38	32
Above Normal Water Years (14%)	31	26	28	25	30	25	29	34	35	48	38	32
Below Normal Water Years (18%)	31	26	28	25	28	24	28	33	35	48	38	32
Dry Water Years (24%)	30	25	28	24	28	24	28	33	34	48	38	31
Critical Water Years (16%)	23	19	20	22	21	17	19	23	25	33	27	23

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

Table F.2.3-4-5c. Folsom South Canal Diversion, Alt2wTUCPwoVA minus No Action Alternative, Monthly Diversion (cfs)

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

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

Table F.2.3-4-6a. Folsom South Canal Diversion, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
20% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
30% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
40% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
50% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
60% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
70% Exceedance	31	26	28	26	29	25	29	34	35	48	38	32
80% Exceedance	31	26	28	26	29	24	28	34	35	48	38	32
90% Exceedance	27	23	24	22	26	14	17	20	22	28	24	20
Full Simulation Period Average[a]	29	24	27	24	29	23	27	32	33	46	36	30
Wet Water Years (28%)	31	26	28	26	30	25	28	34	35	48	38	32
Above Normal Water Years (14%)	31	26	28	24	28	25	29	34	35	48	38	32
Below Normal Water Years (18%)	31	26	28	24	29	23	28	33	35	48	38	32
Dry Water Years (24%)	31	26	28	25	29	24	28	33	34	48	38	32
Critical Water Years (16%)	21	17	19	22	25	16	21	24	25	34	28	24

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

Table F.2.3-4-6b. Folsom South Canal Diversion, Alternative 3, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	31	26	28	26	16	25	29	34	35	48	38	32
20% Exceedance	31	26	28	26	16	14	29	34	35	48	38	32
30% Exceedance	31	26	28	26	16	14	29	34	35	48	38	32
40% Exceedance	31	26	28	26	16	14	29	34	35	48	38	32
50% Exceedance	31	26	15	14	16	14	29	34	35	48	38	32
60% Exceedance	31	26	15	14	16	14	28	34	35	48	38	32
70% Exceedance	31	26	15	14	16	14	17	34	35	48	38	32
80% Exceedance	18	15	15	14	16	14	17	20	22	28	24	20
90% Exceedance	18	15	15	14	16	14	17	20	22	28	24	20
Full Simulation Period Average[a]	28	23	21	19	16	16	24	30	32	44	35	29
Wet Water Years (28%)	31	26	24	24	16	19	28	34	35	48	38	32
Above Normal Water Years (14%)	31	26	23	21	16	17	28	34	35	48	38	32
Below Normal Water Years (18%)	28	23	21	19	16	16	24	30	32	44	35	29
Dry Water Years (24%)	28	23	19	16	16	14	22	31	32	44	35	29
Critical Water Years (16%)	19	16	15	15	16	14	17	22	24	32	26	21

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

Table F.2.3-4-6c. Folsom South Canal Diversion, Alternative 3 minus No Action Alternative, Monthly Diversion (cfs)

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

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

Table F.2.3-4-7a. Folsom South Canal Diversion, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
20% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
30% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
40% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
50% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
60% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
70% Exceedance	31	26	28	26	29	25	29	34	35	48	38	32
80% Exceedance	31	26	28	26	29	24	28	34	35	48	38	32
90% Exceedance	27	23	24	22	26	14	17	20	22	28	24	20
Full Simulation Period Average[a]	29	24	27	24	29	23	27	32	33	46	36	30
Wet Water Years (28%)	31	26	28	26	30	25	28	34	35	48	38	32
Above Normal Water Years (14%)	31	26	28	24	28	25	29	34	35	48	38	32
Below Normal Water Years (18%)	31	26	28	24	29	23	28	33	35	48	38	32
Dry Water Years (24%)	31	26	28	25	29	24	28	33	34	48	38	32
Critical Water Years (16%)	21	17	19	22	25	16	21	24	25	34	28	24

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

Table F.2.3-4-7b. Folsom South Canal Diversion, Alternative 4, Monthly Diversion (cfs)

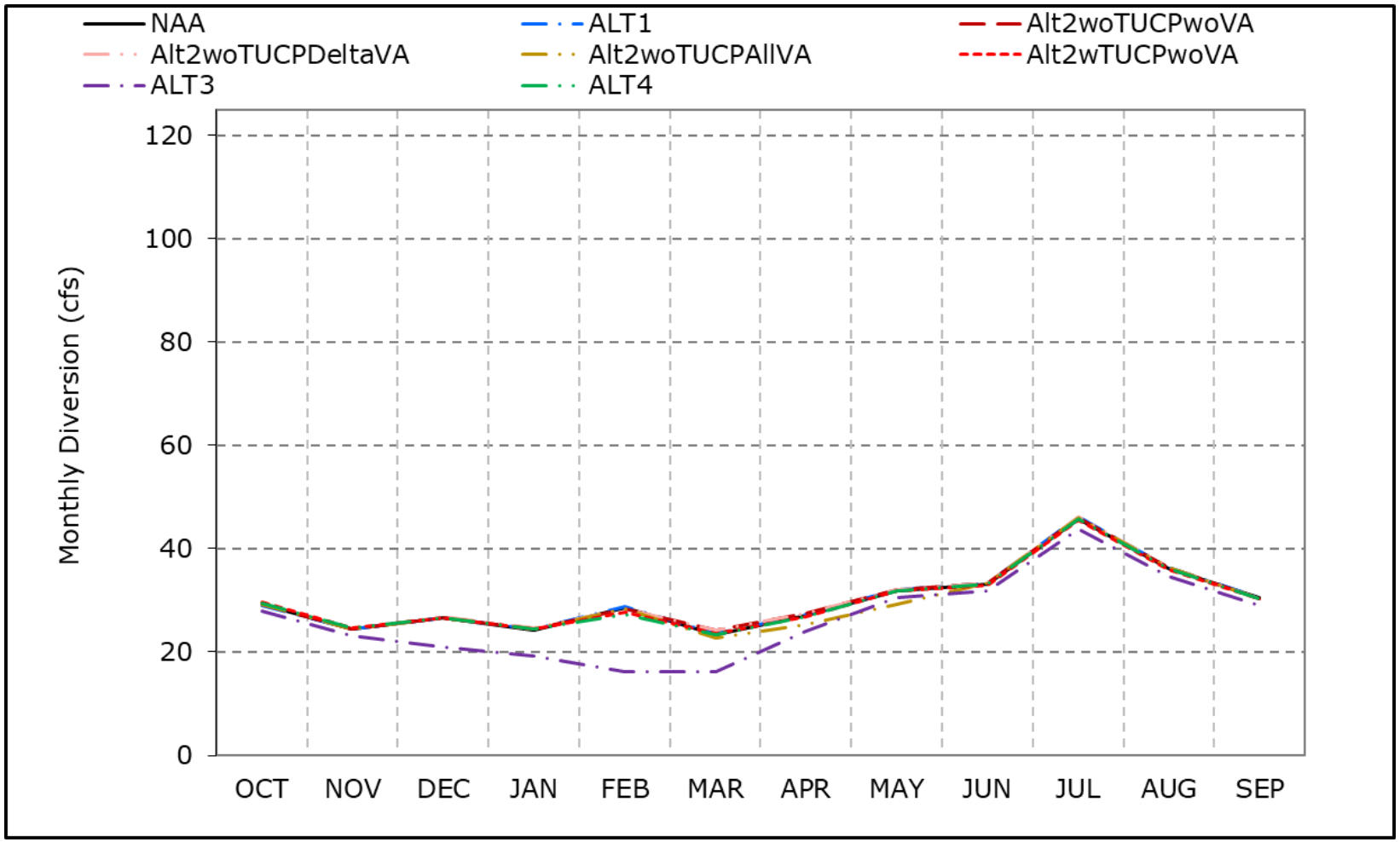
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
20% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
30% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
40% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
50% Exceedance	31	26	28	26	30	25	29	34	35	48	38	32
60% Exceedance	31	26	28	26	29	25	29	34	35	48	38	32
70% Exceedance	31	26	28	26	29	25	29	34	35	48	38	32
80% Exceedance	31	26	28	26	27	23	28	34	35	48	38	32
90% Exceedance	28	23	25	23	16	14	17	20	22	28	24	20
Full Simulation Period Average[a]	30	25	27	24	27	23	27	32	33	46	36	30
Wet Water Years (28%)	31	26	28	26	30	25	28	34	35	48	38	32
Above Normal Water Years (14%)	31	26	28	25	30	25	29	34	35	48	38	32
Below Normal Water Years (18%)	31	26	28	24	28	24	28	33	35	48	38	32
Dry Water Years (24%)	31	26	28	25	28	24	28	33	34	48	38	32
Critical Water Years (16%)	23	19	20	22	20	17	19	24	25	34	28	24

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

Table F.2.3-4-7c. Folsom South Canal Diversion, Alternative 4 minus No Action Alternative, Monthly Diversion (cfs)

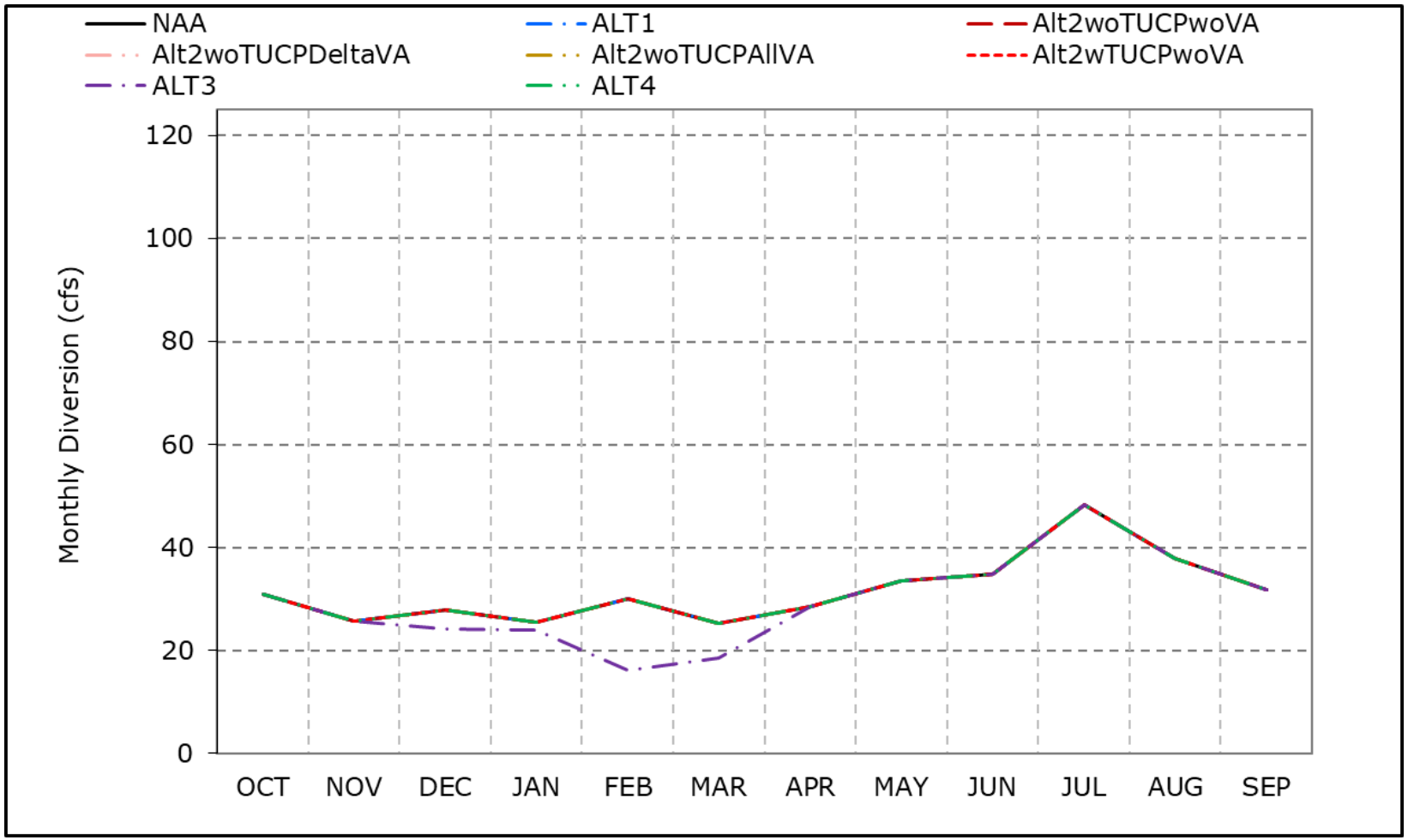
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	-1	0	0	0	0	0	0	0
70% Exceedance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

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



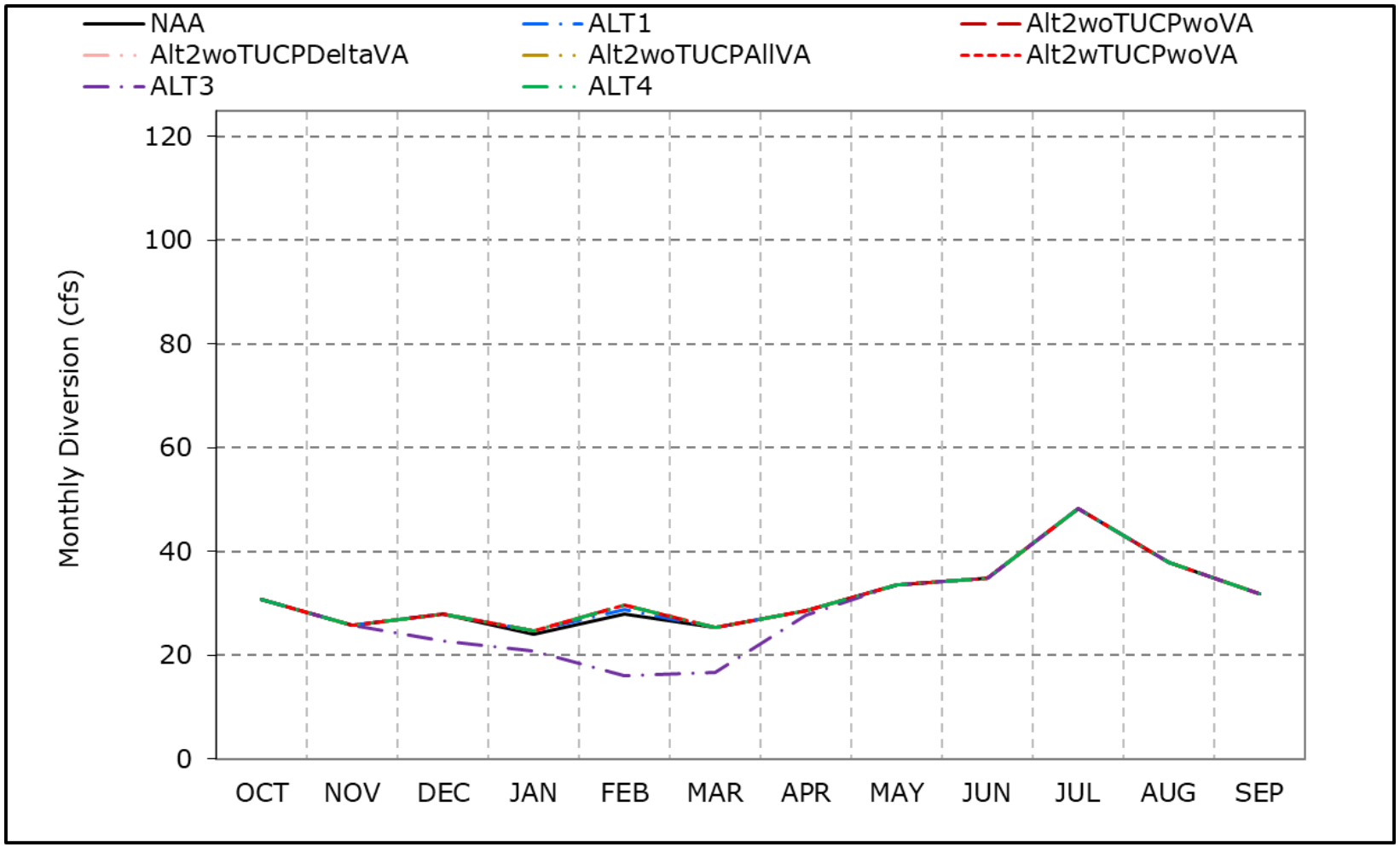
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-4-1. Folsom South Canal Diversion, Long-Term Average Diversion



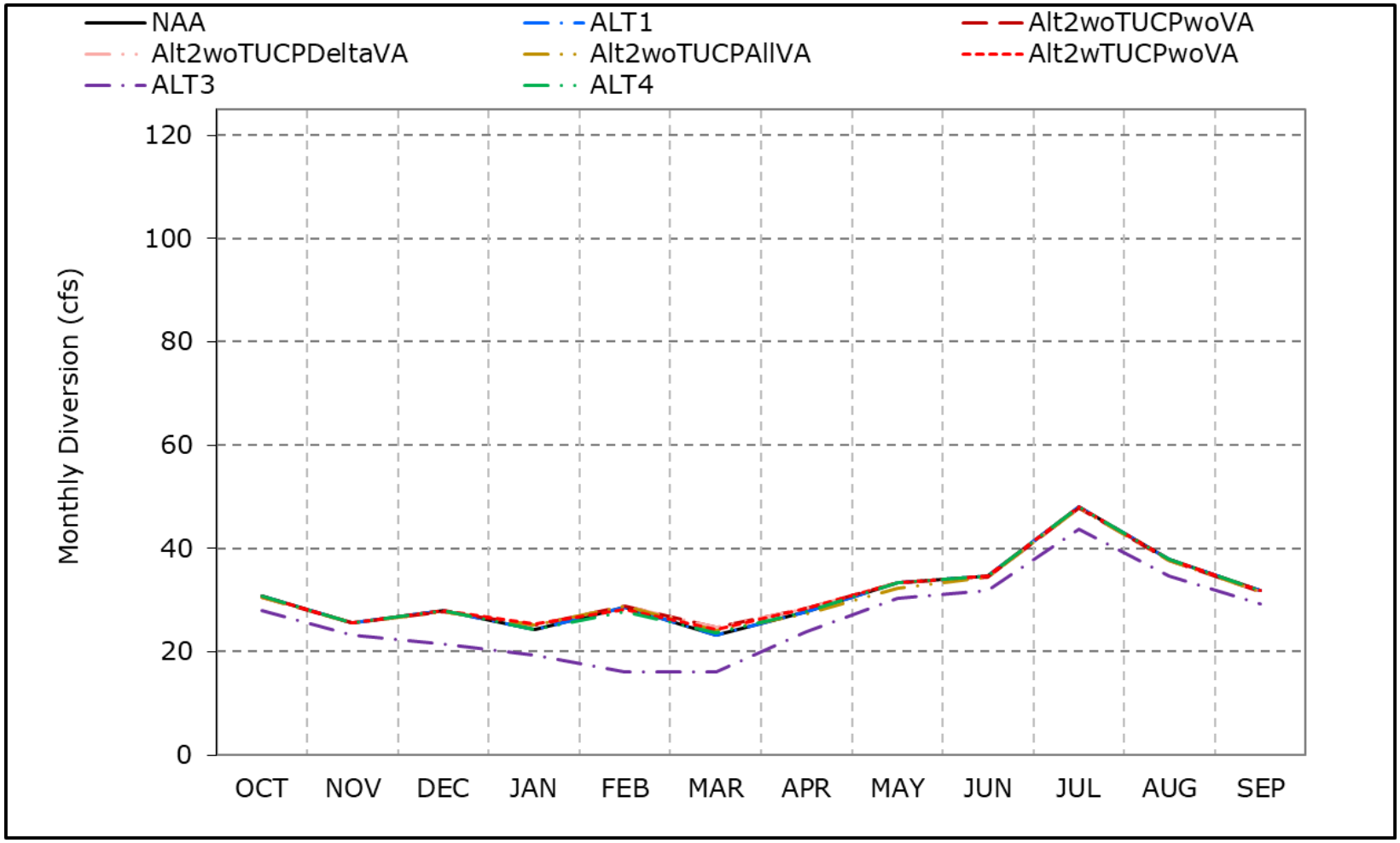
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-4-2. Folsom South Canal Diversion, Wet Year Average Diversion



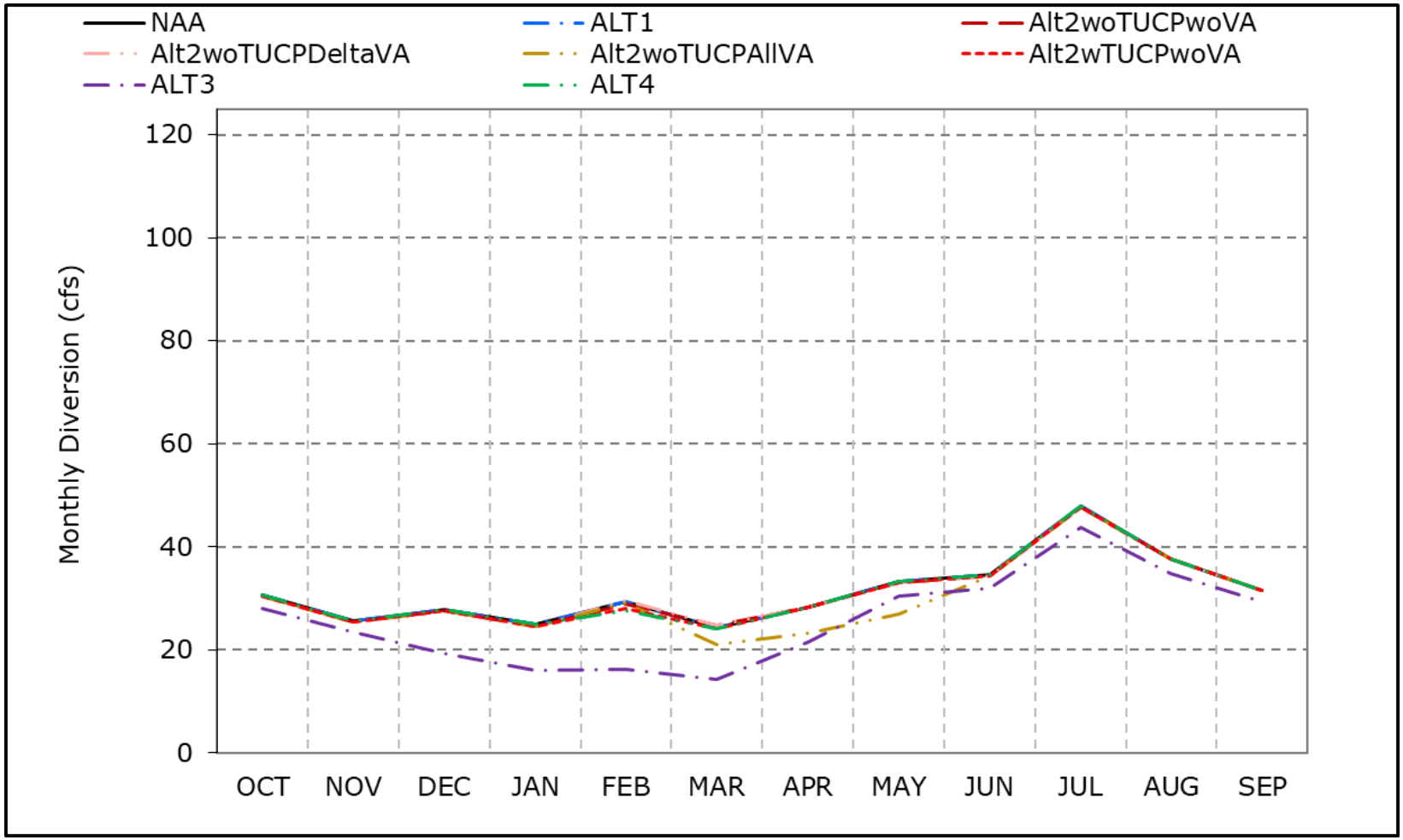
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-4-3. Folsom South Canal Diversion, Above Normal Year Average Diversion



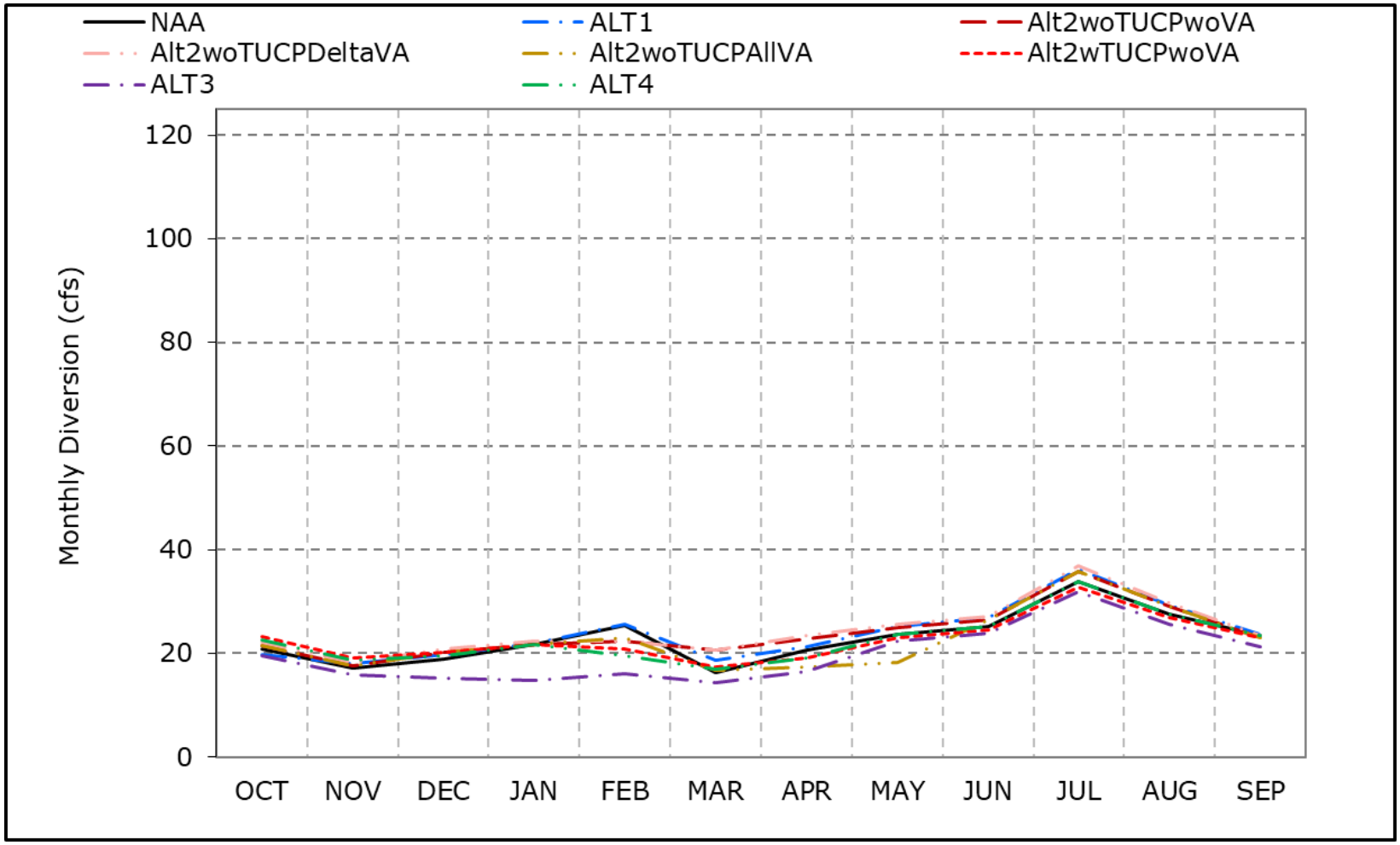
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-4-4. Folsom South Canal Diversion, Below Normal Year Average Diversion



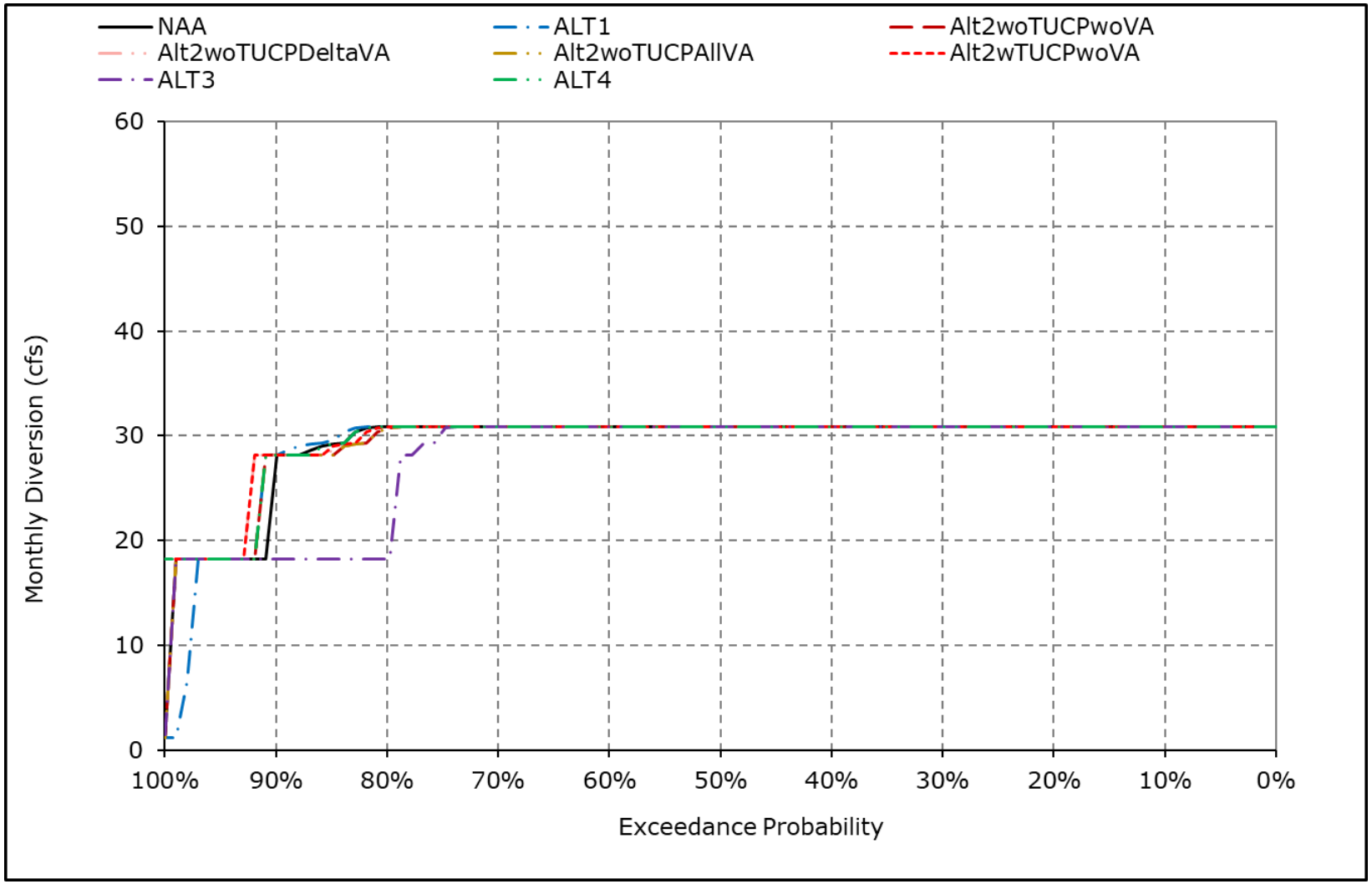
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-4-5. Folsom South Canal Diversion, Dry Year Average Diversion



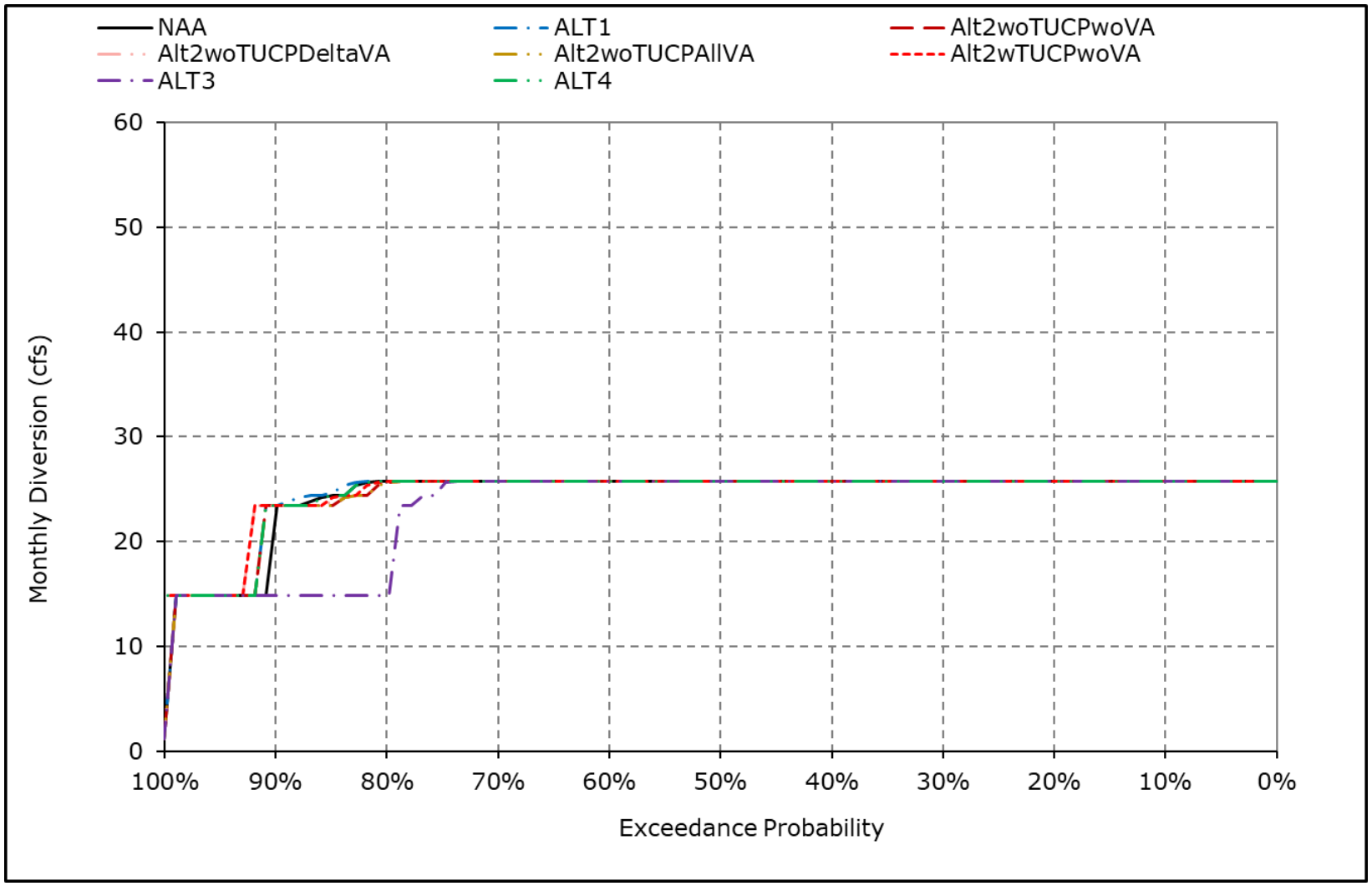
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-4-6. Folsom South Canal Diversion, Critical Year Average Diversion



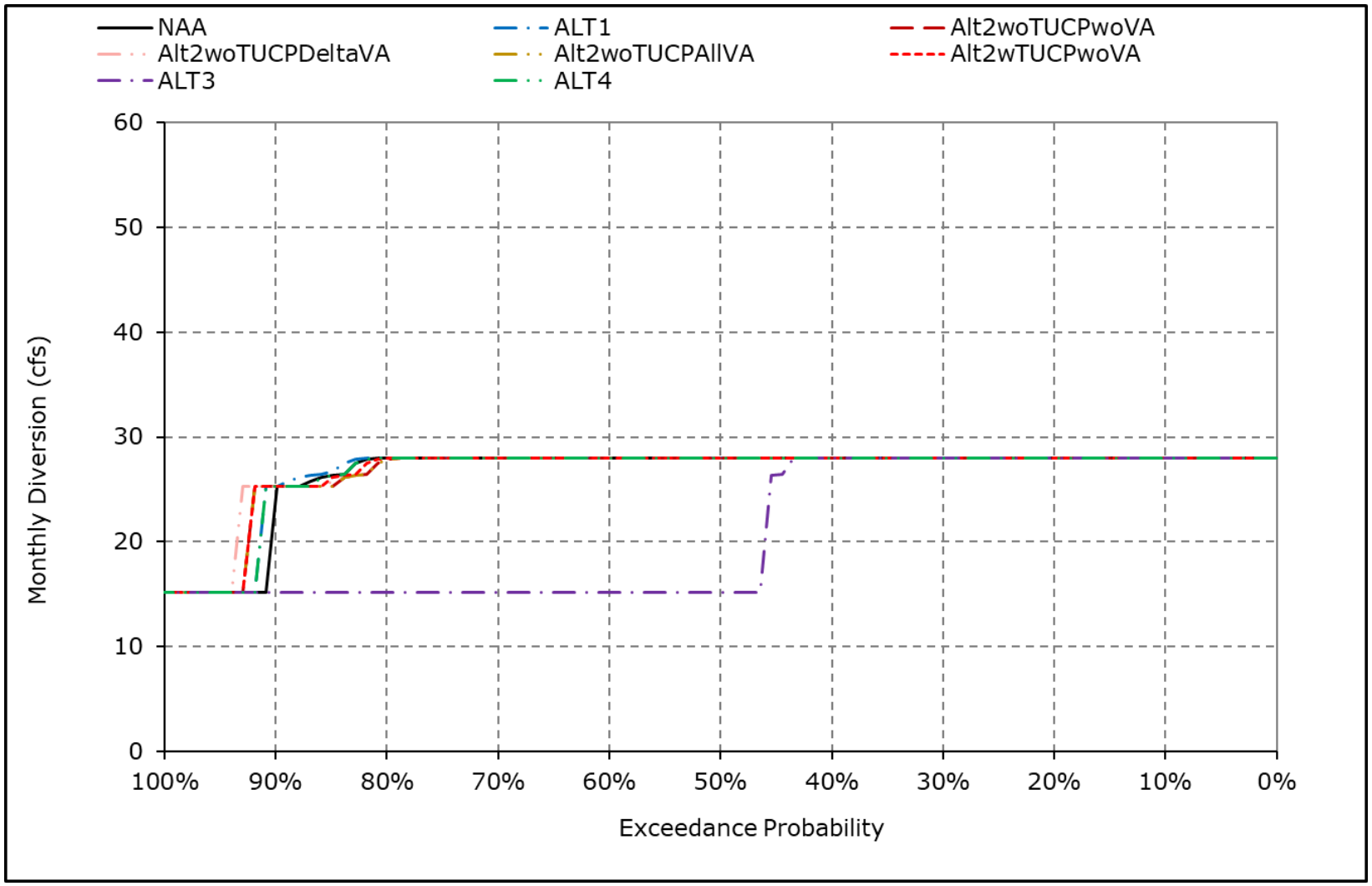
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-4-7. Folsom South Canal Diversion, October



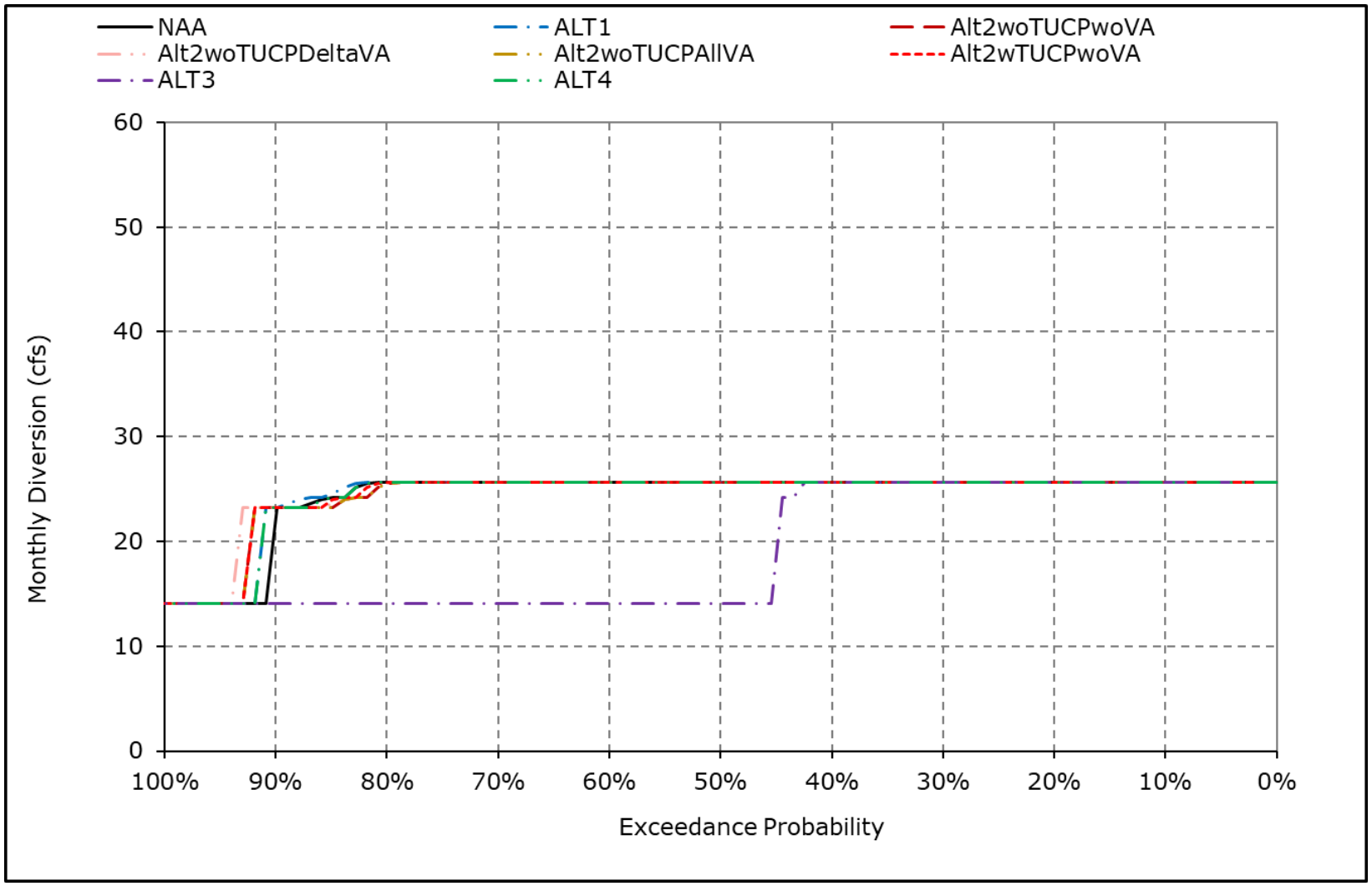
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-4-8. Folsom South Canal Diversion, November



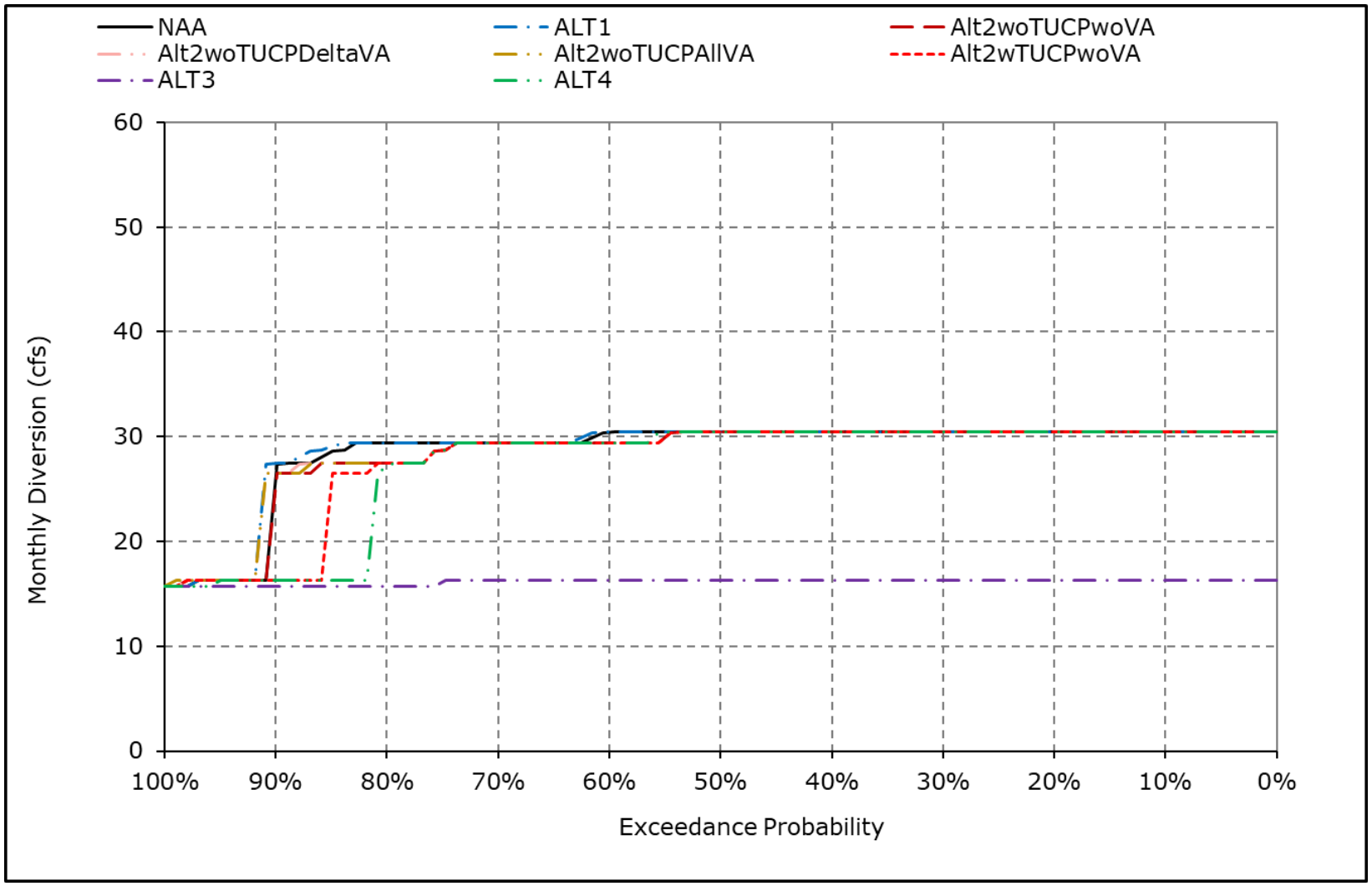
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-4-9. Folsom South Canal Diversion, December



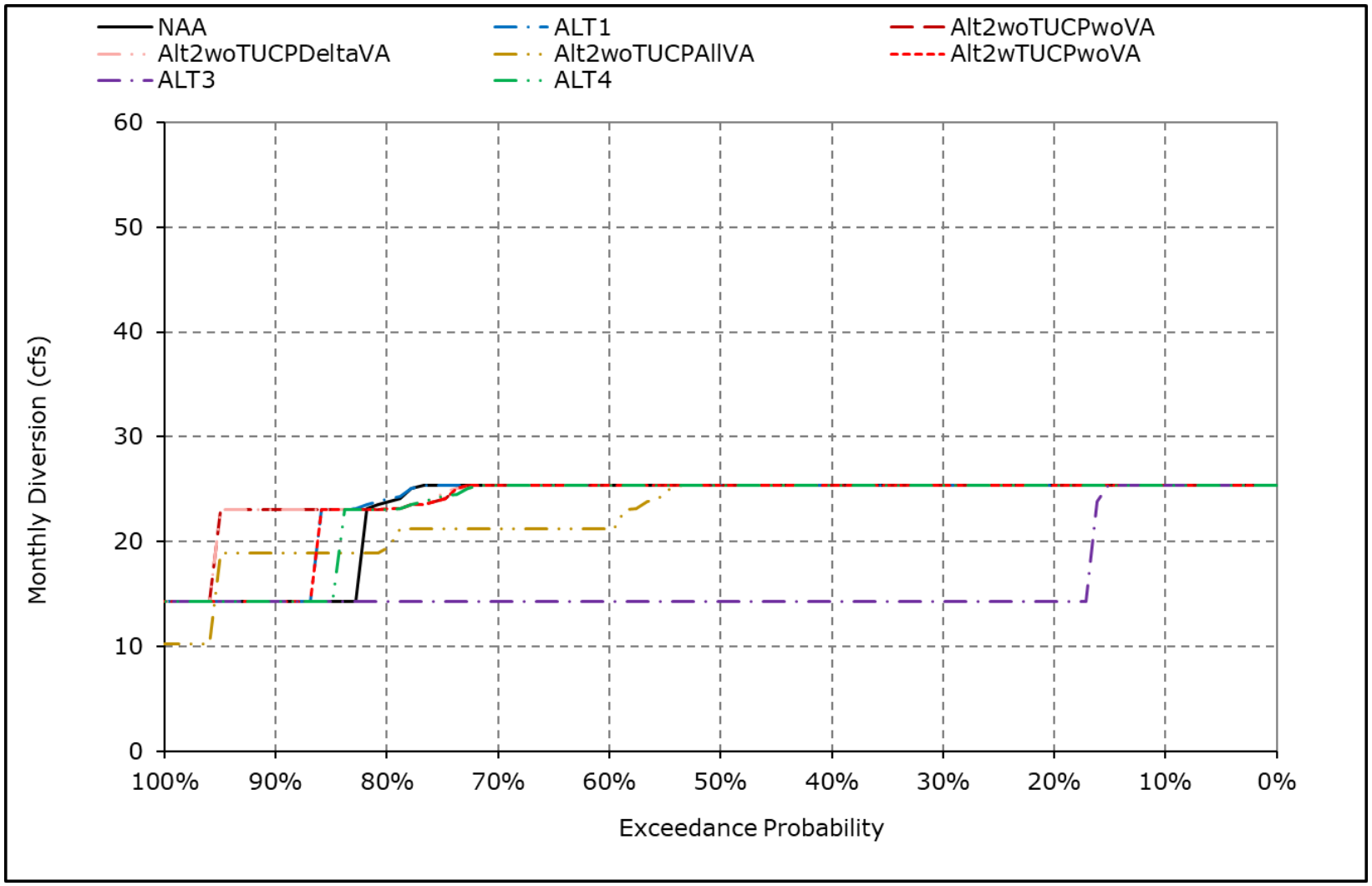
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-4-10. Folsom South Canal Diversion, January



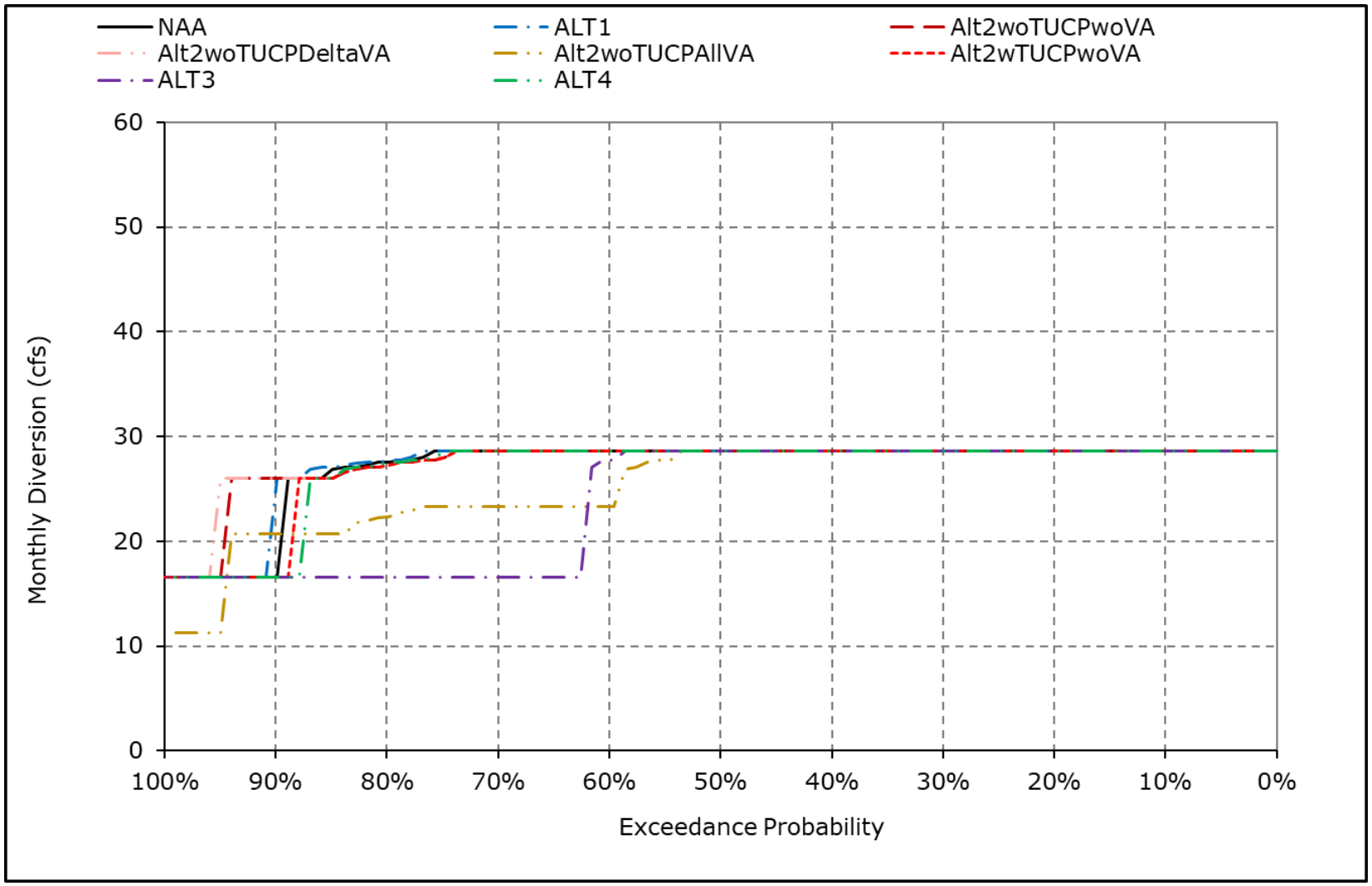
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-4-11. Folsom South Canal Diversion, February



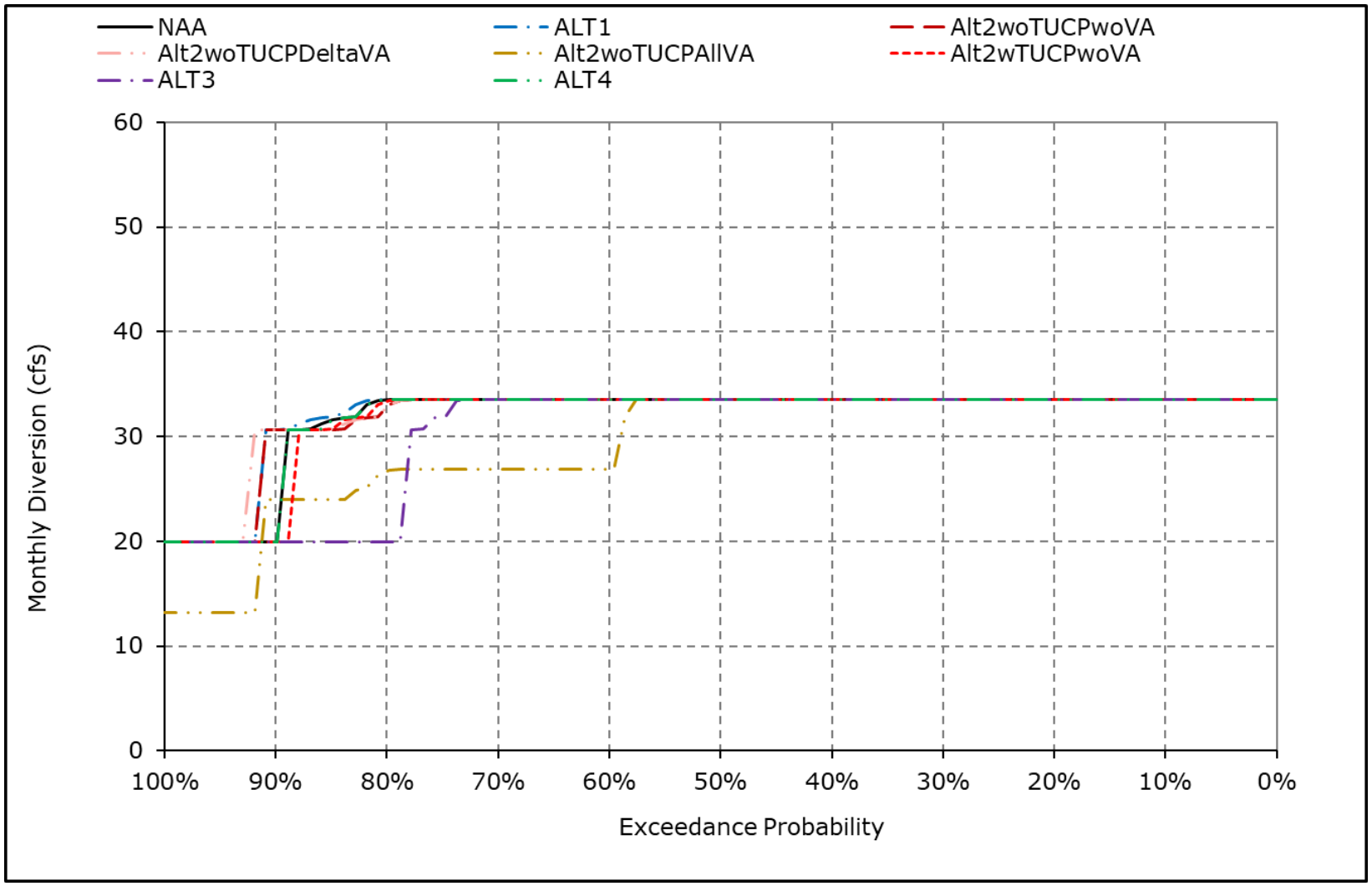
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-4-12. Folsom South Canal Diversion, March



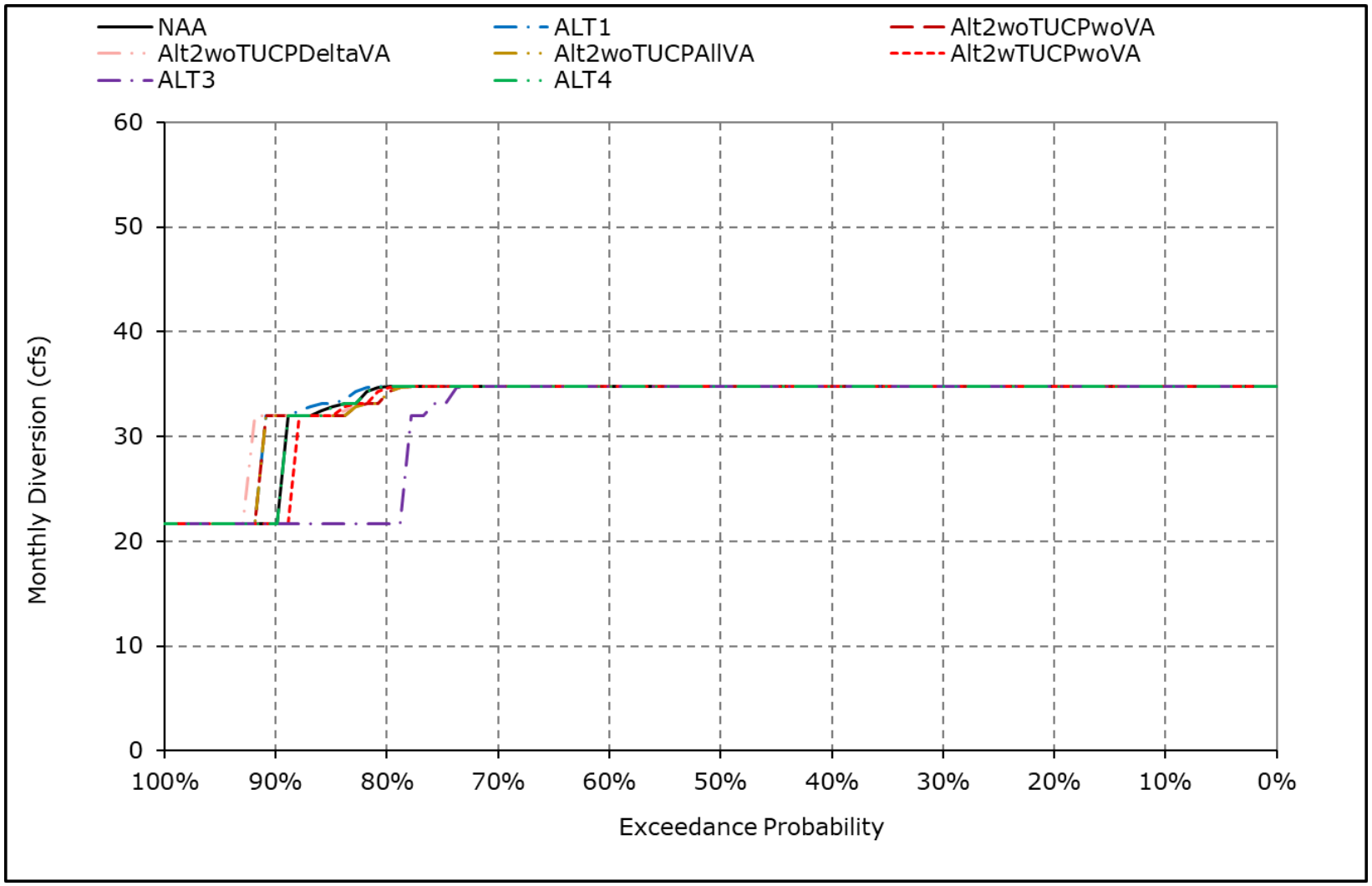
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-4-13. Folsom South Canal Diversion, April



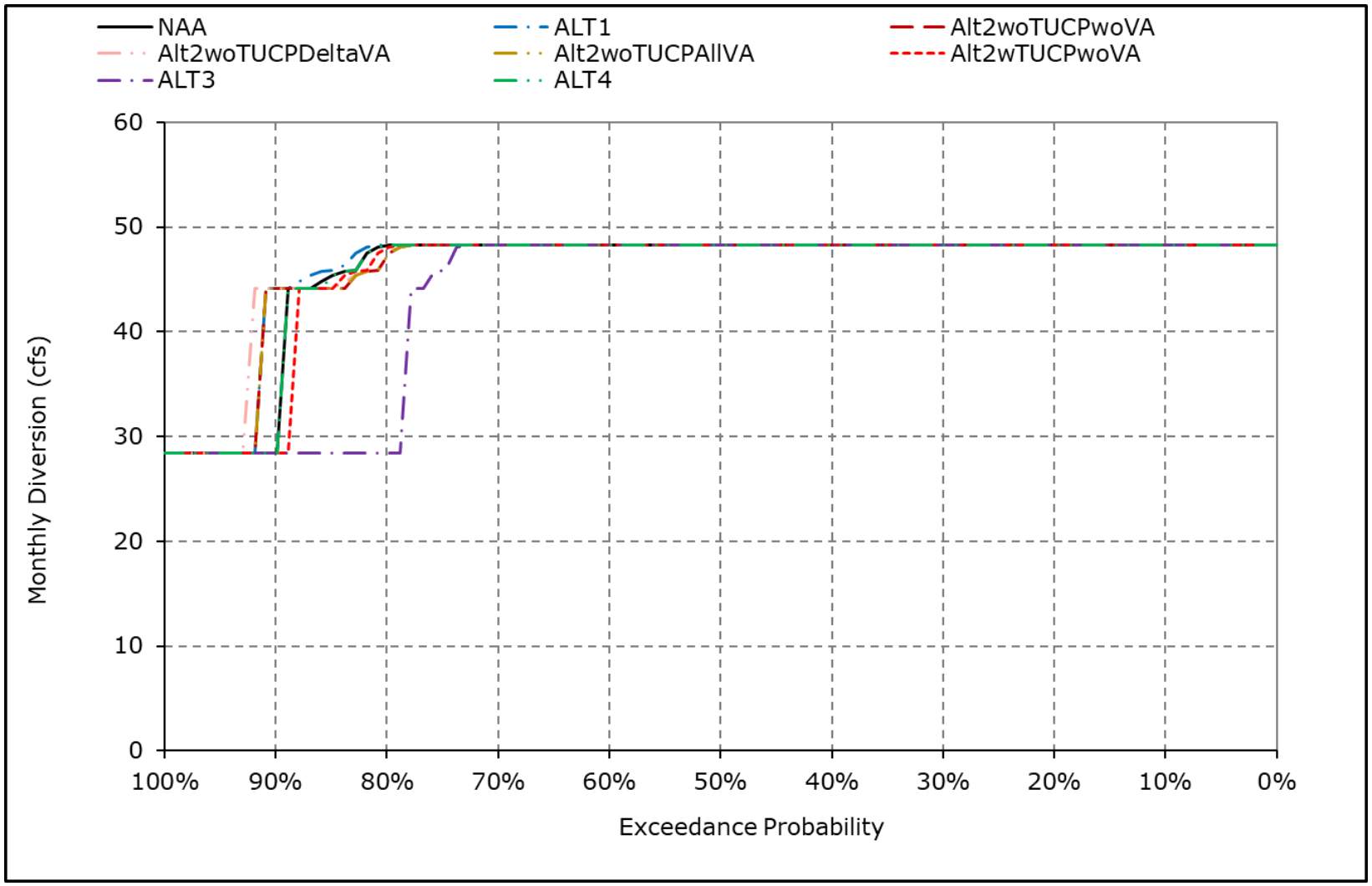
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-4-14. Folsom South Canal Diversion, May



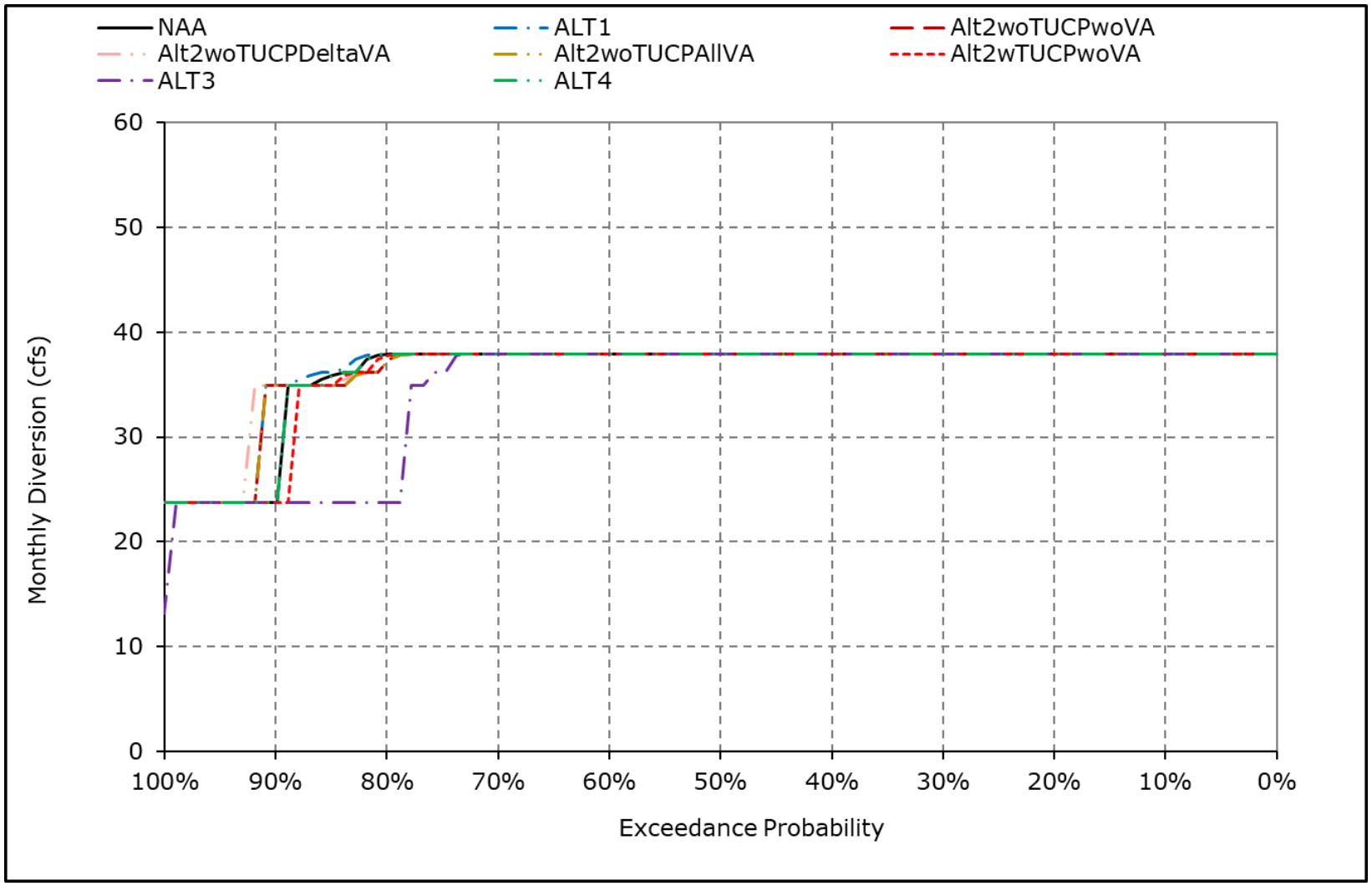
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-4-15. Folsom South Canal Diversion, June



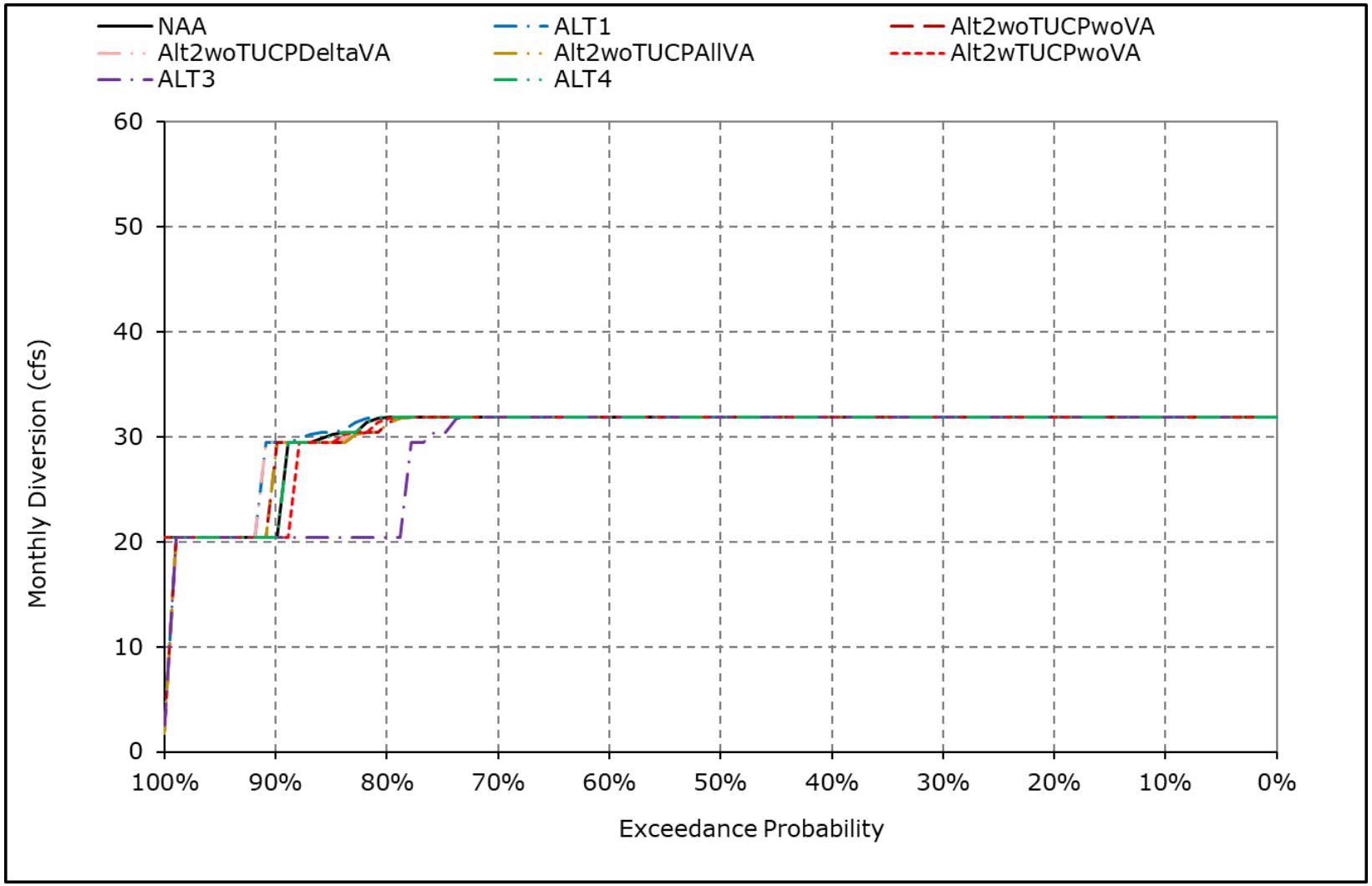
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-4-16. Folsom South Canal Diversion, July



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

Figure F.2.3-4-17. Folsom South Canal Diversion, August



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

Figure F.2.3-4-18. Folsom South Canal Diversion, September

Table F.2.3-5-1a. Friant-Kern Canal Diversion, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	583	238	122	1,934	2,778	2,180	2,821	3,189	4,378	3,285	2,878	1,613
20% Exceedance	563	213	95	497	2,166	1,374	1,699	2,768	3,927	3,063	2,685	1,507
30% Exceedance	537	166	86	104	1,214	1,089	1,511	2,364	2,655	2,792	2,448	1,378
40% Exceedance	511	150	76	91	898	870	1,257	1,872	2,253	2,366	2,141	1,148
50% Exceedance	474	144	64	74	741	604	965	1,291	1,881	2,220	1,758	967
60% Exceedance	437	138	16	63	515	493	600	830	1,781	2,019	1,355	787
70% Exceedance	373	128	16	16	337	421	526	738	1,606	1,894	1,192	703
80% Exceedance	345	116	16	16	265	321	396	568	1,214	1,514	903	546
90% Exceedance	279	77	16	16	183	242	299	447	914	1,137	704	426
Full Simulation Period Average[a]	485	207	161	436	1,086	923	1,218	1,627	2,264	2,270	1,799	1,032
Wet Water Years (28%)	635	358	157	1,096	2,147	1,659	2,090	2,656	3,449	3,113	2,699	1,540
Above Normal Water Years (14%)	576	189	81	301	1,011	1,107	1,461	1,963	2,749	2,657	2,127	1,217
Below Normal Water Years (18%)	455	144	131	270	760	772	1,104	1,607	2,110	2,224	1,681	967
Dry Water Years (24%)	407	160	327	137	569	520	726	1,006	1,599	1,857	1,342	763
Critical Water Years (16%)	279	95	19	31	438	248	346	486	934	1,128	756	458

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

Table F.2.3-5-1b. Friant-Kern Canal Diversion, Alternative 1, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	585	238	122	1,943	2,801	2,186	2,821	3,190	4,378	3,285	2,878	1,613
20% Exceedance	563	213	95	497	2,166	1,374	1,699	2,773	3,929	3,063	2,685	1,507
30% Exceedance	538	166	86	104	1,215	1,089	1,511	2,366	2,656	2,792	2,449	1,378
40% Exceedance	511	150	76	91	898	870	1,258	1,869	2,254	2,367	2,141	1,148
50% Exceedance	474	144	64	74	741	605	967	1,295	1,886	2,222	1,761	969
60% Exceedance	443	138	16	63	522	495	670	832	1,786	2,021	1,356	789
70% Exceedance	373	128	16	16	338	420	525	736	1,602	1,896	1,184	701
80% Exceedance	345	116	16	16	267	322	397	572	1,222	1,524	911	549
90% Exceedance	289	77	16	16	184	242	299	447	916	1,140	706	427
Full Simulation Period Average[a]	487	207	161	438	1,088	924	1,221	1,629	2,266	2,272	1,801	1,033
Wet Water Years (28%)	635	358	157	1,105	2,150	1,659	2,090	2,655	3,450	3,113	2,699	1,540
Above Normal Water Years (14%)	576	189	81	301	1,016	1,108	1,480	1,966	2,751	2,656	2,126	1,217
Below Normal Water Years (18%)	458	144	133	271	761	774	1,105	1,610	2,115	2,228	1,684	968
Dry Water Years (24%)	410	161	327	138	571	521	727	1,008	1,602	1,861	1,345	765
Critical Water Years (16%)	281	95	19	31	438	249	346	488	937	1,133	759	459

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

Table F.2.3-5-1c. Friant-Kern Canal Diversion, Alternative 1 minus No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2	0	0	9	22	6	0	1	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	5	3	0	0	0
30% Exceedance	1	0	0	0	0	0	0	2	1	1	1	0
40% Exceedance	0	0	0	0	0	0	0	-4	1	1	1	0
50% Exceedance	0	0	0	0	0	1	2	3	5	2	3	2
60% Exceedance	6	0	0	0	7	2	69	2	5	2	2	3
70% Exceedance	0	0	0	0	0	-1	-1	-1	-4	2	-9	-1
80% Exceedance	1	0	0	0	1	1	1	4	8	11	8	3
90% Exceedance	11	0	0	0	1	1	0	1	2	3	1	1
Full Simulation Period Average[a]	2	0	0	3	2	1	3	2	3	2	2	1
Wet Water Years (28%)	0	0	0	9	3	1	0	0	0	0	0	0
Above Normal Water Years (14%)	0	0	0	0	5	0	19	3	2	-1	0	0
Below Normal Water Years (18%)	3	0	2	1	1	2	1	4	5	4	3	1
Dry Water Years (24%)	3	1	0	1	1	1	1	3	3	4	3	1
Critical Water Years (16%)	3	0	0	0	0	1	1	2	3	4	3	1

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

Table F.2.3-5-2a. Friant-Kern Canal Diversion, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	583	238	122	1,934	2,778	2,180	2,821	3,189	4,378	3,285	2,878	1,613
20% Exceedance	563	213	95	497	2,166	1,374	1,699	2,768	3,927	3,063	2,685	1,507
30% Exceedance	537	166	86	104	1,214	1,089	1,511	2,364	2,655	2,792	2,448	1,378
40% Exceedance	511	150	76	91	898	870	1,257	1,872	2,253	2,366	2,141	1,148
50% Exceedance	474	144	64	74	741	604	965	1,291	1,881	2,220	1,758	967
60% Exceedance	437	138	16	63	515	493	600	830	1,781	2,019	1,355	787
70% Exceedance	373	128	16	16	337	421	526	738	1,606	1,894	1,192	703
80% Exceedance	345	116	16	16	265	321	396	568	1,214	1,514	903	546
90% Exceedance	279	77	16	16	183	242	299	447	914	1,137	704	426
Full Simulation Period Average[a]	485	207	161	436	1,086	923	1,218	1,627	2,264	2,270	1,799	1,032
Wet Water Years (28%)	635	358	157	1,096	2,147	1,659	2,090	2,656	3,449	3,113	2,699	1,540
Above Normal Water Years (14%)	576	189	81	301	1,011	1,107	1,461	1,963	2,749	2,657	2,127	1,217
Below Normal Water Years (18%)	455	144	131	270	760	772	1,104	1,607	2,110	2,224	1,681	967
Dry Water Years (24%)	407	160	327	137	569	520	726	1,006	1,599	1,857	1,342	763
Critical Water Years (16%)	279	95	19	31	438	248	346	486	934	1,128	756	458

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

Table F.2.3-5-2b. Friant-Kern Canal Diversion, Alt2woTUCPwoVA, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	583	238	122	1,933	2,776	2,179	2,821	3,189	4,378	3,285	2,878	1,613
20% Exceedance	563	213	95	497	2,166	1,374	1,699	2,769	3,926	3,063	2,685	1,507
30% Exceedance	537	166	86	104	1,214	1,089	1,511	2,364	2,655	2,791	2,448	1,378
40% Exceedance	511	150	76	91	898	870	1,257	1,872	2,253	2,366	2,141	1,148
50% Exceedance	474	144	64	74	741	604	965	1,291	1,880	2,219	1,757	967
60% Exceedance	435	138	16	63	513	493	600	829	1,781	2,019	1,354	787
70% Exceedance	373	128	16	16	337	421	526	737	1,605	1,894	1,192	703
80% Exceedance	345	116	16	16	265	321	396	568	1,213	1,513	902	546
90% Exceedance	279	77	16	16	183	242	298	446	914	1,137	704	426
Full Simulation Period Average[a]	485	207	161	435	1,086	923	1,218	1,627	2,263	2,270	1,799	1,032
Wet Water Years (28%)	635	358	157	1,096	2,146	1,659	2,090	2,656	3,449	3,113	2,699	1,540
Above Normal Water Years (14%)	576	189	81	301	1,011	1,107	1,461	1,962	2,749	2,657	2,126	1,217
Below Normal Water Years (18%)	454	144	131	269	759	772	1,103	1,606	2,109	2,223	1,680	967
Dry Water Years (24%)	406	160	327	137	569	520	726	1,005	1,598	1,856	1,342	763
Critical Water Years (16%)	279	95	19	31	438	248	346	486	934	1,128	756	458

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

Table F.2.3-5-2c. Friant-Kern Canal Diversion, Alt2woTUCPwoVA minus No Action Alternative, Monthly Diversion (cfs)

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

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

Table F.2.3-5-3a. Friant-Kern Canal Diversion, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	583	238	122	1,934	2,778	2,180	2,821	3,189	4,378	3,285	2,878	1,613
20% Exceedance	563	213	95	497	2,166	1,374	1,699	2,768	3,927	3,063	2,685	1,507
30% Exceedance	537	166	86	104	1,214	1,089	1,511	2,364	2,655	2,792	2,448	1,378
40% Exceedance	511	150	76	91	898	870	1,257	1,872	2,253	2,366	2,141	1,148
50% Exceedance	474	144	64	74	741	604	965	1,291	1,881	2,220	1,758	967
60% Exceedance	437	138	16	63	515	493	600	830	1,781	2,019	1,355	787
70% Exceedance	373	128	16	16	337	421	526	738	1,606	1,894	1,192	703
80% Exceedance	345	116	16	16	265	321	396	568	1,214	1,514	903	546
90% Exceedance	279	77	16	16	183	242	299	447	914	1,137	704	426
Full Simulation Period Average[a]	485	207	161	436	1,086	923	1,218	1,627	2,264	2,270	1,799	1,032
Wet Water Years (28%)	635	358	157	1,096	2,147	1,659	2,090	2,656	3,449	3,113	2,699	1,540
Above Normal Water Years (14%)	576	189	81	301	1,011	1,107	1,461	1,963	2,749	2,657	2,127	1,217
Below Normal Water Years (18%)	455	144	131	270	760	772	1,104	1,607	2,110	2,224	1,681	967
Dry Water Years (24%)	407	160	327	137	569	520	726	1,006	1,599	1,857	1,342	763
Critical Water Years (16%)	279	95	19	31	438	248	346	486	934	1,128	756	458

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

Table F.2.3-5-3b. Friant-Kern Canal Diversion, Alt2woTUCPDeltaVA, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	583	238	122	1,932	2,776	2,180	2,821	3,189	4,378	3,285	2,878	1,613
20% Exceedance	563	213	95	497	2,166	1,374	1,699	2,772	3,926	3,063	2,685	1,507
30% Exceedance	544	166	86	104	1,214	1,089	1,511	2,363	2,655	2,792	2,448	1,378
40% Exceedance	511	150	75	91	897	870	1,257	1,872	2,232	2,351	2,121	1,138
50% Exceedance	474	144	64	74	741	604	965	1,291	1,880	2,222	1,757	966
60% Exceedance	433	138	16	63	513	492	594	829	1,781	2,023	1,353	787
70% Exceedance	373	127	16	16	339	427	509	737	1,605	1,894	1,206	703
80% Exceedance	345	116	16	16	265	321	393	568	1,213	1,513	921	546
90% Exceedance	279	77	16	16	183	242	299	446	914	1,137	704	426
Full Simulation Period Average[a]	486	207	161	436	1,086	923	1,211	1,627	2,264	2,269	1,801	1,031
Wet Water Years (28%)	634	358	157	1,097	2,149	1,658	2,089	2,650	3,446	3,109	2,696	1,538
Above Normal Water Years (14%)	576	189	81	301	1,011	1,108	1,461	1,967	2,753	2,657	2,126	1,217
Below Normal Water Years (18%)	457	145	131	269	759	774	1,079	1,612	2,115	2,226	1,700	967
Dry Water Years (24%)	406	160	327	137	569	520	722	1,006	1,599	1,857	1,343	764
Critical Water Years (16%)	279	95	19	31	438	248	338	487	931	1,127	753	456

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

Table F.2.3-5-3c. Friant-Kern Canal Diversion, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Diversion (cfs)

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

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

Table F.2.3-5-4a. Friant-Kern Canal Diversion, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	583	238	122	1,934	2,778	2,180	2,821	3,189	4,378	3,285	2,878	1,613
20% Exceedance	563	213	95	497	2,166	1,374	1,699	2,768	3,927	3,063	2,685	1,507
30% Exceedance	537	166	86	104	1,214	1,089	1,511	2,364	2,655	2,792	2,448	1,378
40% Exceedance	511	150	76	91	898	870	1,257	1,872	2,253	2,366	2,141	1,148
50% Exceedance	474	144	64	74	741	604	965	1,291	1,881	2,220	1,758	967
60% Exceedance	437	138	16	63	515	493	600	830	1,781	2,019	1,355	787
70% Exceedance	373	128	16	16	337	421	526	738	1,606	1,894	1,192	703
80% Exceedance	345	116	16	16	265	321	396	568	1,214	1,514	903	546
90% Exceedance	279	77	16	16	183	242	299	447	914	1,137	704	426
Full Simulation Period Average[a]	485	207	161	436	1,086	923	1,218	1,627	2,264	2,270	1,799	1,032
Wet Water Years (28%)	635	358	157	1,096	2,147	1,659	2,090	2,656	3,449	3,113	2,699	1,540
Above Normal Water Years (14%)	576	189	81	301	1,011	1,107	1,461	1,963	2,749	2,657	2,127	1,217
Below Normal Water Years (18%)	455	144	131	270	760	772	1,104	1,607	2,110	2,224	1,681	967
Dry Water Years (24%)	407	160	327	137	569	520	726	1,006	1,599	1,857	1,342	763
Critical Water Years (16%)	279	95	19	31	438	248	346	486	934	1,128	756	458

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

Table F.2.3-5-4b. Friant-Kern Canal Diversion, Alt2woTUCPAllVA, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	583	238	122	1,933	2,778	2,180	2,821	3,189	4,391	3,285	2,878	1,613
20% Exceedance	563	213	95	512	2,166	1,374	1,699	2,729	3,927	3,063	2,685	1,507
30% Exceedance	541	166	86	104	1,214	1,089	1,511	2,364	2,655	2,792	2,448	1,378
40% Exceedance	511	150	76	91	897	870	1,257	1,872	2,232	2,351	2,121	1,138
50% Exceedance	474	144	63	74	741	604	965	1,291	1,881	2,220	1,757	967
60% Exceedance	443	138	16	63	513	493	594	829	1,781	2,015	1,353	787
70% Exceedance	371	128	16	16	339	427	534	738	1,606	1,894	1,206	703
80% Exceedance	345	116	16	16	265	321	393	568	1,213	1,514	921	546
90% Exceedance	279	77	16	16	183	242	291	446	914	1,137	704	426
Full Simulation Period Average[a]	486	207	161	442	1,086	923	1,212	1,621	2,264	2,269	1,800	1,031
Wet Water Years (28%)	634	358	157	1,120	2,148	1,659	2,089	2,630	3,452	3,109	2,696	1,538
Above Normal Water Years (14%)	575	188	80	301	1,011	1,108	1,461	1,967	2,744	2,647	2,117	1,212
Below Normal Water Years (18%)	458	145	131	269	759	774	1,083	1,610	2,117	2,233	1,703	970
Dry Water Years (24%)	407	160	327	137	569	520	726	1,006	1,599	1,857	1,342	763
Critical Water Years (16%)	279	95	19	31	438	248	336	487	930	1,128	753	456

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

Table F.2.3-5-4c. Friant-Kern Canal Diversion, Alt2woTUCPAllVA minus No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	-1	-1	0	0	0	13	0	0	0
20% Exceedance	0	0	0	15	0	0	0	-39	0	0	0	0
30% Exceedance	4	0	0	0	-1	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	-1	0	0	0	-21	-15	-20	-10
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	6	0	0	0	-2	0	-7	-1	0	-4	-2	0
70% Exceedance	-2	0	0	0	1	7	9	0	0	0	14	0
80% Exceedance	0	0	0	0	0	0	-3	0	0	0	18	0
90% Exceedance	0	0	0	0	0	0	-7	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	7	0	0	-6	-6	1	-1	1	-1
Wet Water Years (28%)	-1	0	0	24	1	0	-1	-25	3	-4	-4	-2
Above Normal Water Years (14%)	-1	0	0	0	0	0	0	4	-6	-10	-9	-5
Below Normal Water Years (18%)	4	1	0	0	-1	1	-21	3	7	9	22	3
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	-10	1	-3	0	-2	-1

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

Table F.2.3-5-5a. Friant-Kern Canal Diversion, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	583	238	122	1,934	2,778	2,180	2,821	3,189	4,378	3,285	2,878	1,613
20% Exceedance	563	213	95	497	2,166	1,374	1,699	2,768	3,927	3,063	2,685	1,507
30% Exceedance	537	166	86	104	1,214	1,089	1,511	2,364	2,655	2,792	2,448	1,378
40% Exceedance	511	150	76	91	898	870	1,257	1,872	2,253	2,366	2,141	1,148
50% Exceedance	474	144	64	74	741	604	965	1,291	1,881	2,220	1,758	967
60% Exceedance	437	138	16	63	515	493	600	830	1,781	2,019	1,355	787
70% Exceedance	373	128	16	16	337	421	526	738	1,606	1,894	1,192	703
80% Exceedance	345	116	16	16	265	321	396	568	1,214	1,514	903	546
90% Exceedance	279	77	16	16	183	242	299	447	914	1,137	704	426
Full Simulation Period Average[a]	485	207	161	436	1,086	923	1,218	1,627	2,264	2,270	1,799	1,032
Wet Water Years (28%)	635	358	157	1,096	2,147	1,659	2,090	2,656	3,449	3,113	2,699	1,540
Above Normal Water Years (14%)	576	189	81	301	1,011	1,107	1,461	1,963	2,749	2,657	2,127	1,217
Below Normal Water Years (18%)	455	144	131	270	760	772	1,104	1,607	2,110	2,224	1,681	967
Dry Water Years (24%)	407	160	327	137	569	520	726	1,006	1,599	1,857	1,342	763
Critical Water Years (16%)	279	95	19	31	438	248	346	486	934	1,128	756	458

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

Table F.2.3-5-5b. Friant-Kern Canal Diversion, Alt2wTUCPwoVA, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	583	238	122	1,933	2,776	2,179	2,821	3,189	4,378	3,285	2,878	1,613
20% Exceedance	563	213	95	497	2,166	1,374	1,699	2,767	3,926	3,063	2,685	1,507
30% Exceedance	537	166	86	104	1,214	1,089	1,511	2,364	2,655	2,792	2,448	1,378
40% Exceedance	511	150	76	91	898	870	1,257	1,872	2,253	2,366	2,141	1,148
50% Exceedance	474	144	64	74	741	604	965	1,291	1,880	2,219	1,757	967
60% Exceedance	435	138	16	63	514	493	600	829	1,781	2,019	1,354	786
70% Exceedance	373	128	16	16	337	421	525	737	1,605	1,894	1,192	703
80% Exceedance	345	116	16	16	265	321	396	568	1,213	1,513	902	546
90% Exceedance	279	77	16	16	183	242	298	446	914	1,137	704	426
Full Simulation Period Average[a]	485	207	161	435	1,086	923	1,218	1,627	2,263	2,270	1,799	1,032
Wet Water Years (28%)	635	358	157	1,096	2,146	1,659	2,090	2,656	3,449	3,113	2,699	1,540
Above Normal Water Years (14%)	576	189	81	301	1,011	1,107	1,461	1,962	2,749	2,657	2,126	1,217
Below Normal Water Years (18%)	454	144	131	269	759	772	1,103	1,606	2,109	2,223	1,680	967
Dry Water Years (24%)	406	160	327	137	569	520	726	1,005	1,598	1,856	1,342	763
Critical Water Years (16%)	278	95	19	31	438	248	345	486	934	1,128	756	458

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

Table F.2.3-5-5c. Friant-Kern Canal Diversion, Alt2wTUCPwoVA minus No Action Alternative, Monthly Diversion (cfs)

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

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

Table F.2.3-5-6a. Friant-Kern Canal Diversion, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	583	238	122	1,934	2,778	2,180	2,821	3,189	4,378	3,285	2,878	1,613
20% Exceedance	563	213	95	497	2,166	1,374	1,699	2,768	3,927	3,063	2,685	1,507
30% Exceedance	537	166	86	104	1,214	1,089	1,511	2,364	2,655	2,792	2,448	1,378
40% Exceedance	511	150	76	91	898	870	1,257	1,872	2,253	2,366	2,141	1,148
50% Exceedance	474	144	64	74	741	604	965	1,291	1,881	2,220	1,758	967
60% Exceedance	437	138	16	63	515	493	600	830	1,781	2,019	1,355	787
70% Exceedance	373	128	16	16	337	421	526	738	1,606	1,894	1,192	703
80% Exceedance	345	116	16	16	265	321	396	568	1,214	1,514	903	546
90% Exceedance	279	77	16	16	183	242	299	447	914	1,137	704	426
Full Simulation Period Average[a]	485	207	161	436	1,086	923	1,218	1,627	2,264	2,270	1,799	1,032
Wet Water Years (28%)	635	358	157	1,096	2,147	1,659	2,090	2,656	3,449	3,113	2,699	1,540
Above Normal Water Years (14%)	576	189	81	301	1,011	1,107	1,461	1,963	2,749	2,657	2,127	1,217
Below Normal Water Years (18%)	455	144	131	270	760	772	1,104	1,607	2,110	2,224	1,681	967
Dry Water Years (24%)	407	160	327	137	569	520	726	1,006	1,599	1,857	1,342	763
Critical Water Years (16%)	279	95	19	31	438	248	346	486	934	1,128	756	458

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

Table F.2.3-5-6b. Friant-Kern Canal Diversion, Alternative 3, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	582	234	122	1,886	2,744	2,292	2,859	3,185	4,391	3,285	2,878	1,613
20% Exceedance	563	212	95	483	2,153	1,374	1,699	2,723	3,912	3,063	2,685	1,507
30% Exceedance	541	166	86	104	1,213	1,089	1,509	2,202	2,651	2,788	2,445	1,376
40% Exceedance	509	151	76	91	888	864	1,254	1,860	2,250	2,362	2,137	1,146
50% Exceedance	480	145	63	74	735	602	953	1,272	1,857	2,205	1,739	953
60% Exceedance	430	138	16	62	493	483	592	819	1,773	2,012	1,331	775
70% Exceedance	372	130	16	16	336	414	517	725	1,567	1,883	1,165	687
80% Exceedance	344	116	16	16	258	313	393	551	1,172	1,462	878	529
90% Exceedance	203	77	16	16	178	240	297	443	908	1,129	656	424
Full Simulation Period Average[a]	480	206	161	425	1,072	918	1,211	1,605	2,256	2,258	1,785	1,025
Wet Water Years (28%)	633	357	157	1,057	2,125	1,662	2,089	2,654	3,448	3,110	2,697	1,539
Above Normal Water Years (14%)	569	188	81	301	984	1,104	1,456	1,937	2,761	2,642	2,117	1,212
Below Normal Water Years (18%)	442	143	138	273	752	761	1,097	1,556	2,100	2,200	1,665	959
Dry Water Years (24%)	406	161	322	134	561	514	710	977	1,585	1,855	1,316	752
Critical Water Years (16%)	271	93	19	31	435	234	340	474	913	1,103	736	447

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

Table F.2.3-5-6c. Friant-Kern Canal Diversion, Alternative 3 minus No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1	-4	0	-48	-34	112	38	-4	13	0	0	0
20% Exceedance	1	-1	0	-13	-13	0	0	-44	-15	0	0	0
30% Exceedance	4	0	0	0	-1	0	-1	-161	-4	-4	-4	-2
40% Exceedance	-2	1	0	0	-10	-5	-3	-12	-3	-4	-3	-2
50% Exceedance	7	1	0	0	-6	-2	-12	-20	-24	-15	-19	-14
60% Exceedance	-7	0	0	-1	-22	-10	-8	-11	-8	-8	-24	-12
70% Exceedance	-1	2	0	0	-1	-6	-8	-13	-38	-10	-28	-15
80% Exceedance	-1	0	0	0	-7	-8	-3	-17	-41	-52	-26	-17
90% Exceedance	-76	0	0	0	-5	-1	-1	-4	-6	-8	-49	-2
Full Simulation Period Average[a]	-5	-1	0	-11	-14	-5	-7	-22	-7	-12	-14	-7
Wet Water Years (28%)	-2	-1	0	-39	-22	4	0	-2	-1	-3	-2	-1
Above Normal Water Years (14%)	-7	-1	0	0	-27	-4	-5	-25	12	-15	-10	-5
Below Normal Water Years (18%)	-13	-1	7	4	-7	-12	-7	-51	-10	-24	-16	-8
Dry Water Years (24%)	0	1	-5	-3	-8	-6	-17	-29	-14	-2	-27	-12
Critical Water Years (16%)	-8	-1	0	0	-3	-14	-5	-12	-21	-26	-20	-11

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

Table F.2.3-5-7a. Friant-Kern Canal Diversion, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	583	238	122	1,934	2,778	2,180	2,821	3,189	4,378	3,285	2,878	1,613
20% Exceedance	563	213	95	497	2,166	1,374	1,699	2,768	3,927	3,063	2,685	1,507
30% Exceedance	537	166	86	104	1,214	1,089	1,511	2,364	2,655	2,792	2,448	1,378
40% Exceedance	511	150	76	91	898	870	1,257	1,872	2,253	2,366	2,141	1,148
50% Exceedance	474	144	64	74	741	604	965	1,291	1,881	2,220	1,758	967
60% Exceedance	437	138	16	63	515	493	600	830	1,781	2,019	1,355	787
70% Exceedance	373	128	16	16	337	421	526	738	1,606	1,894	1,192	703
80% Exceedance	345	116	16	16	265	321	396	568	1,214	1,514	903	546
90% Exceedance	279	77	16	16	183	242	299	447	914	1,137	704	426
Full Simulation Period Average[a]	485	207	161	436	1,086	923	1,218	1,627	2,264	2,270	1,799	1,032
Wet Water Years (28%)	635	358	157	1,096	2,147	1,659	2,090	2,656	3,449	3,113	2,699	1,540
Above Normal Water Years (14%)	576	189	81	301	1,011	1,107	1,461	1,963	2,749	2,657	2,127	1,217
Below Normal Water Years (18%)	455	144	131	270	760	772	1,104	1,607	2,110	2,224	1,681	967
Dry Water Years (24%)	407	160	327	137	569	520	726	1,006	1,599	1,857	1,342	763
Critical Water Years (16%)	279	95	19	31	438	248	346	486	934	1,128	756	458

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

Table F.2.3-5-7b. Friant-Kern Canal Diversion, Alternative 4, Monthly Diversion (cfs)

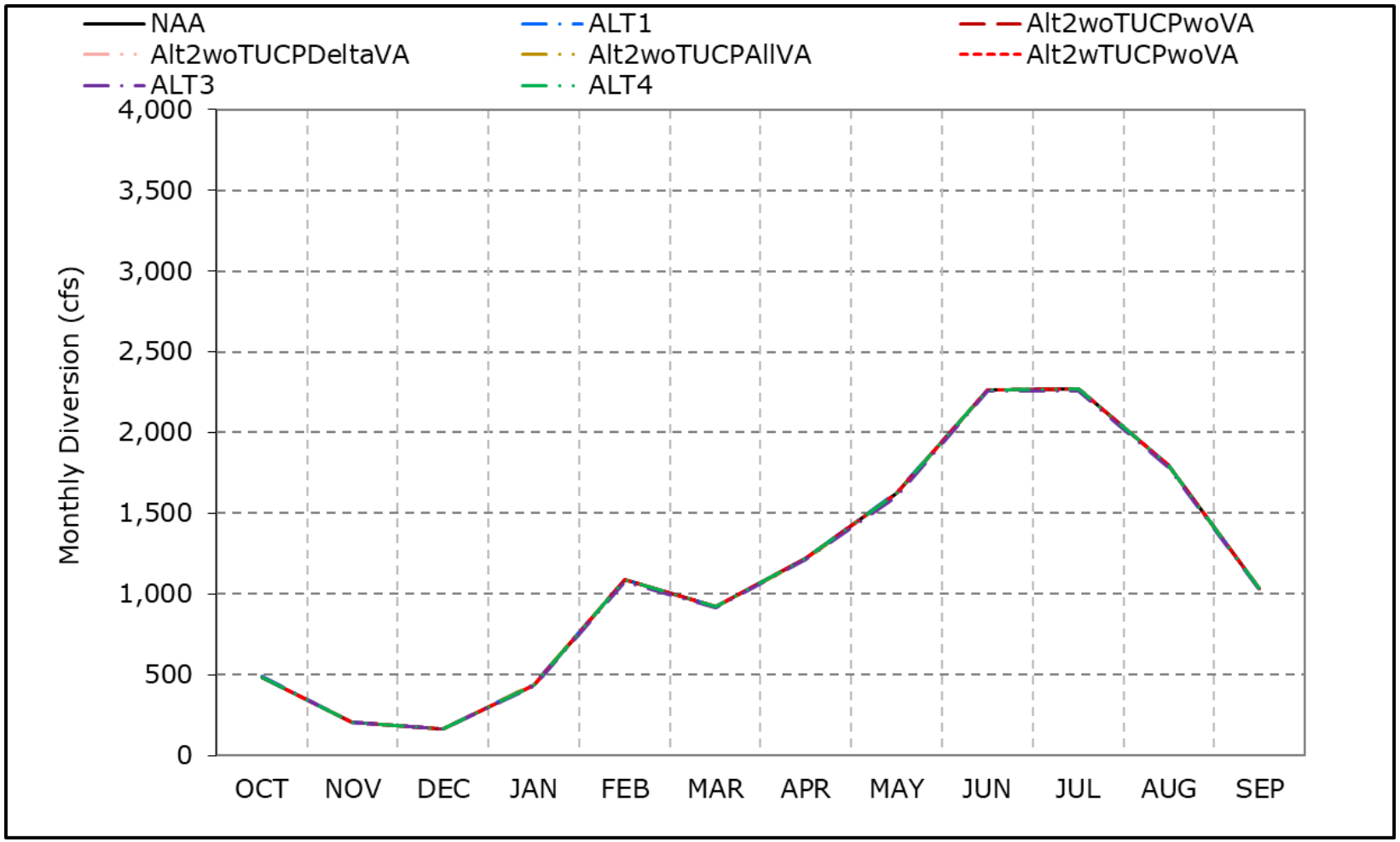
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	583	238	122	1,937	2,784	2,182	2,821	3,189	4,378	3,285	2,878	1,613
20% Exceedance	563	213	95	497	2,166	1,374	1,699	2,768	3,928	3,063	2,685	1,507
30% Exceedance	537	166	86	104	1,214	1,089	1,511	2,364	2,655	2,792	2,448	1,378
40% Exceedance	511	150	76	91	898	870	1,258	1,873	2,254	2,366	2,141	1,148
50% Exceedance	474	144	64	74	741	604	966	1,292	1,882	2,220	1,758	967
60% Exceedance	439	138	16	63	515	493	600	830	1,782	2,020	1,355	787
70% Exceedance	373	128	16	16	338	421	526	738	1,608	1,894	1,193	704
80% Exceedance	345	116	16	16	266	321	396	569	1,215	1,516	904	547
90% Exceedance	282	77	16	16	183	242	298	447	914	1,137	704	426
Full Simulation Period Average[a]	486	207	161	436	1,087	923	1,218	1,627	2,264	2,271	1,800	1,032
Wet Water Years (28%)	635	358	157	1,098	2,148	1,659	2,090	2,656	3,449	3,113	2,699	1,540
Above Normal Water Years (14%)	576	189	81	301	1,012	1,108	1,461	1,964	2,750	2,657	2,127	1,217
Below Normal Water Years (18%)	455	144	131	270	760	773	1,104	1,607	2,111	2,225	1,681	967
Dry Water Years (24%)	407	160	327	137	570	520	727	1,006	1,599	1,858	1,343	764
Critical Water Years (16%)	279	95	19	31	438	248	346	487	934	1,129	757	458

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

Table F.2.3-5-7c. Friant-Kern Canal Diversion, Alternative 4 minus No Action Alternative, Monthly Diversion (cfs)

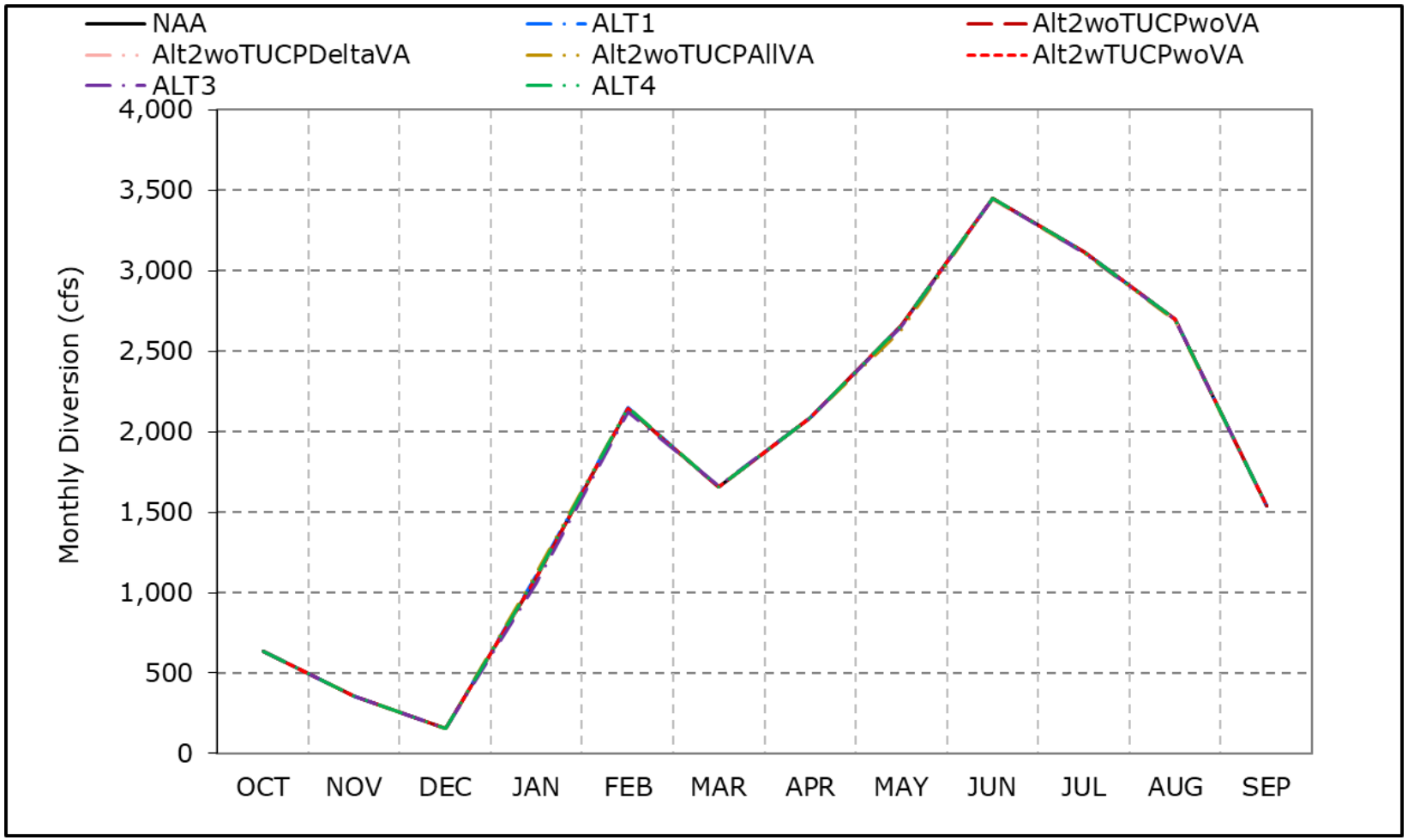
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1	0	0	3	5	2	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	1	0	0	0
30% Exceedance	0	0	0	0	0	0	0	1	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	1	1	0	1	1
60% Exceedance	1	0	0	0	0	0	0	0	1	0	0	0
70% Exceedance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

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



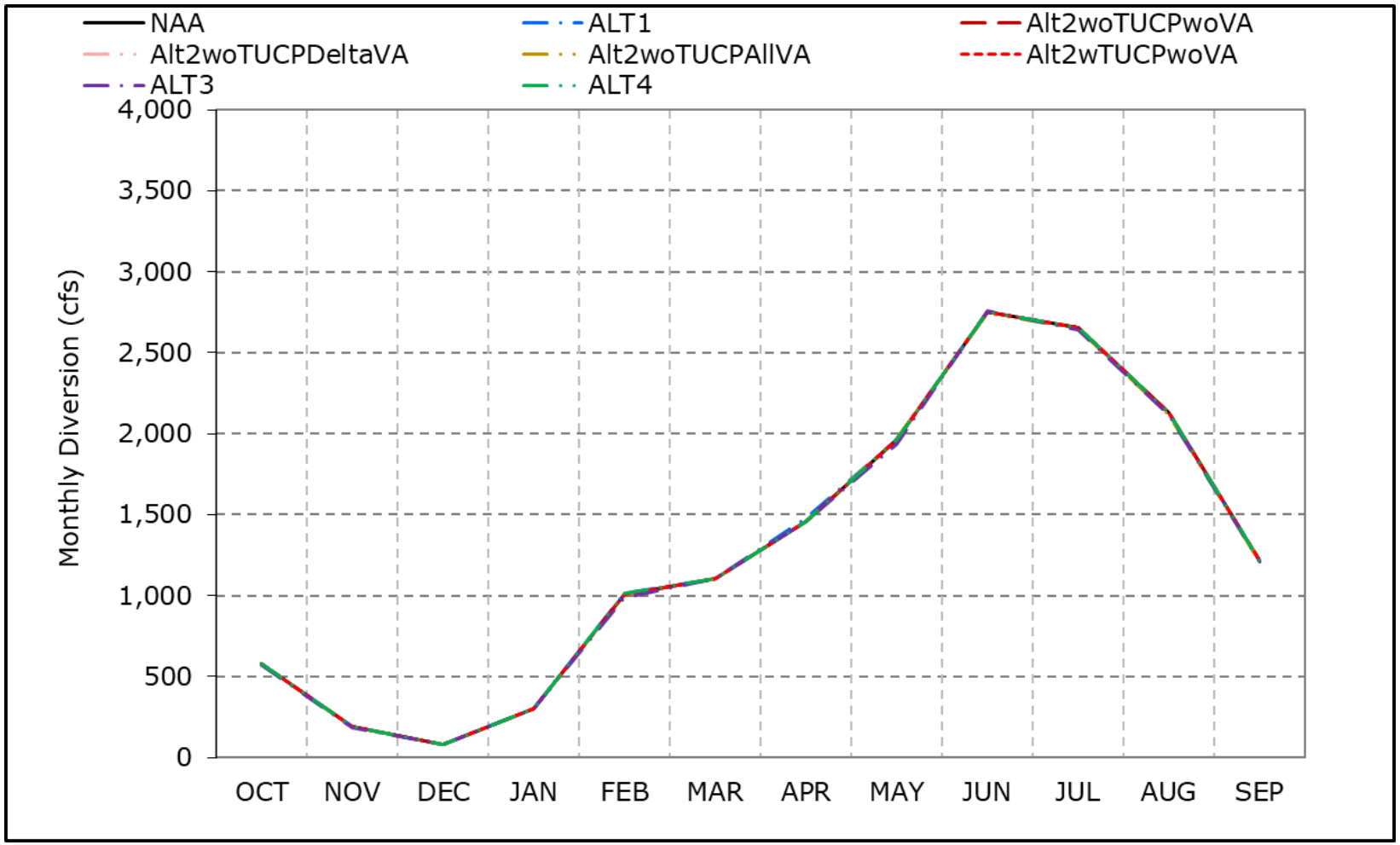
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-5-1. Friant-Kern Canal Diversion, Long-Term Average Diversion



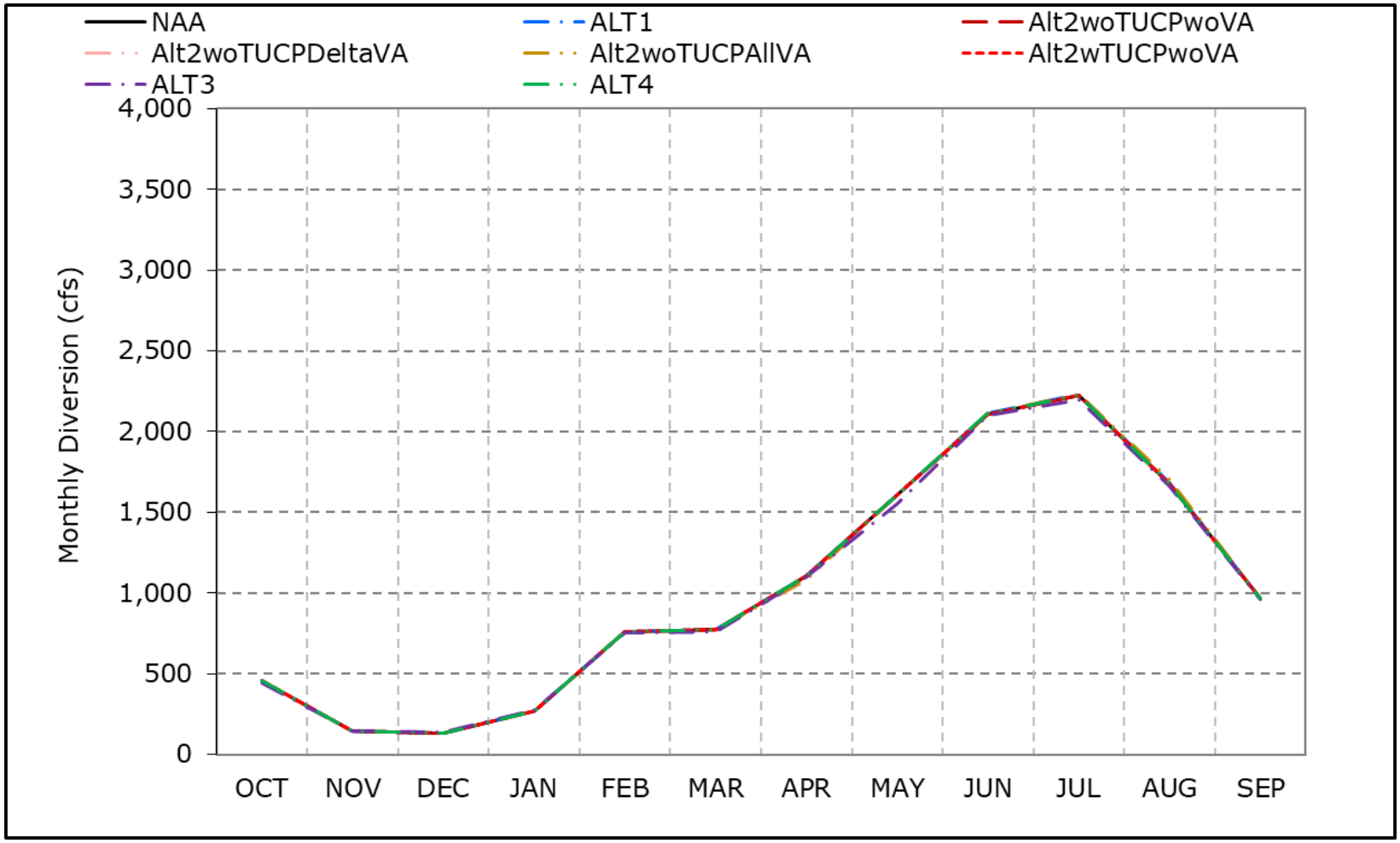
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-5-2. Friant-Kern Canal Diversion, Wet Year Average Diversion



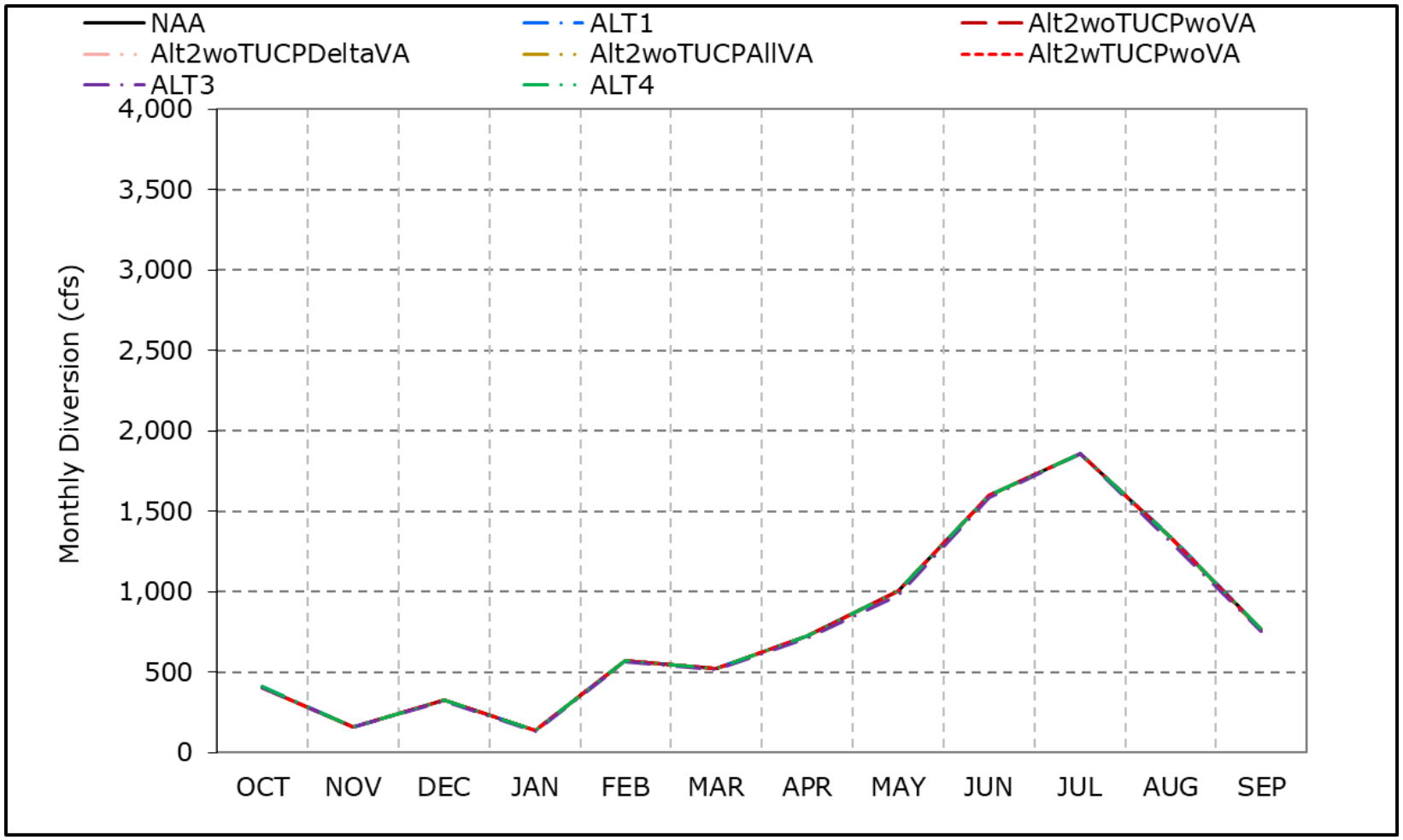
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-5-3. Friant-Kern Canal Diversion, Above Normal Year Average Diversion



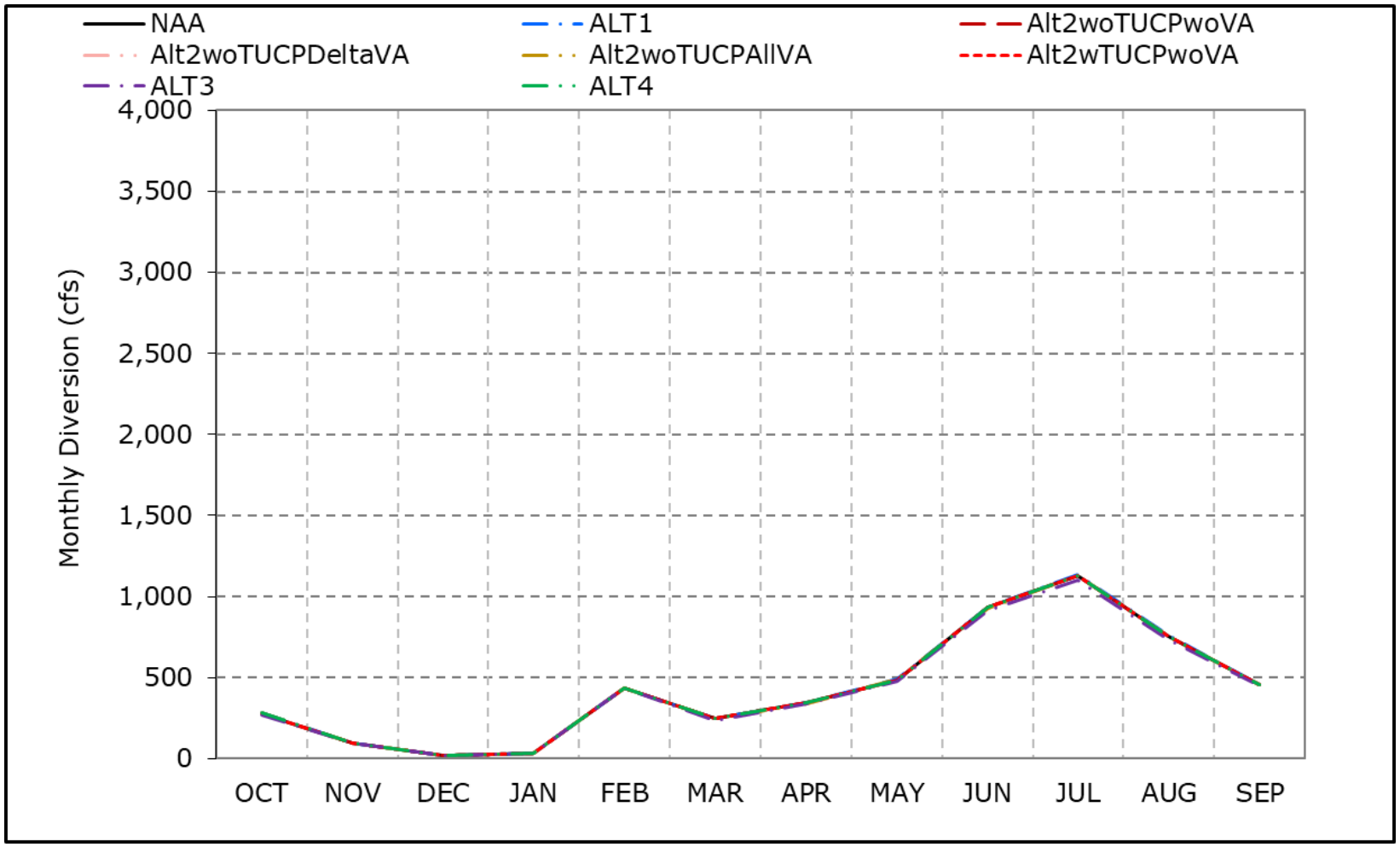
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-5-4. Friant-Kern Canal Diversion, Below Normal Year Average Diversion



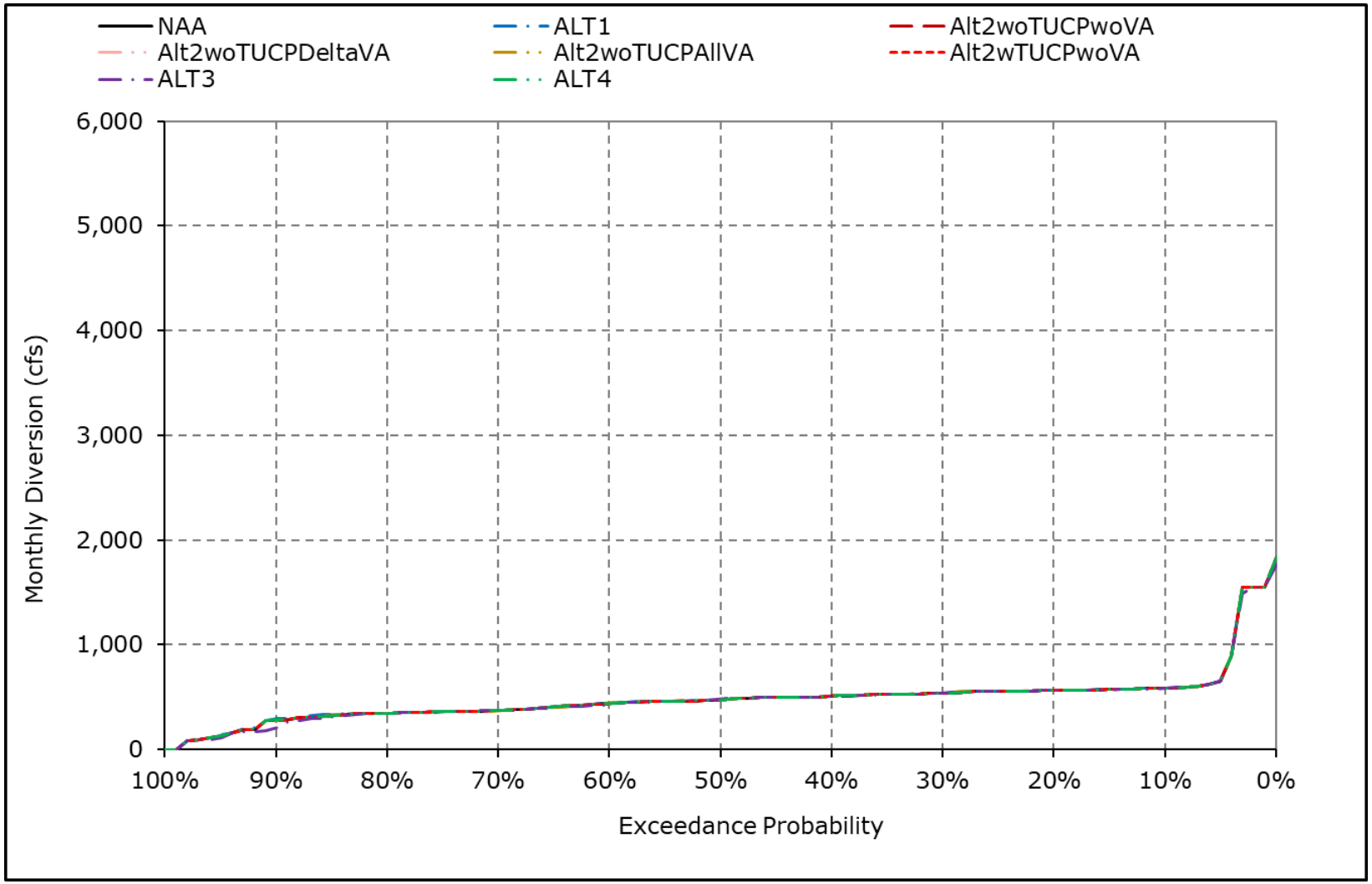
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-5-5. Friant-Kern Canal Diversion, Dry Year Average Diversion



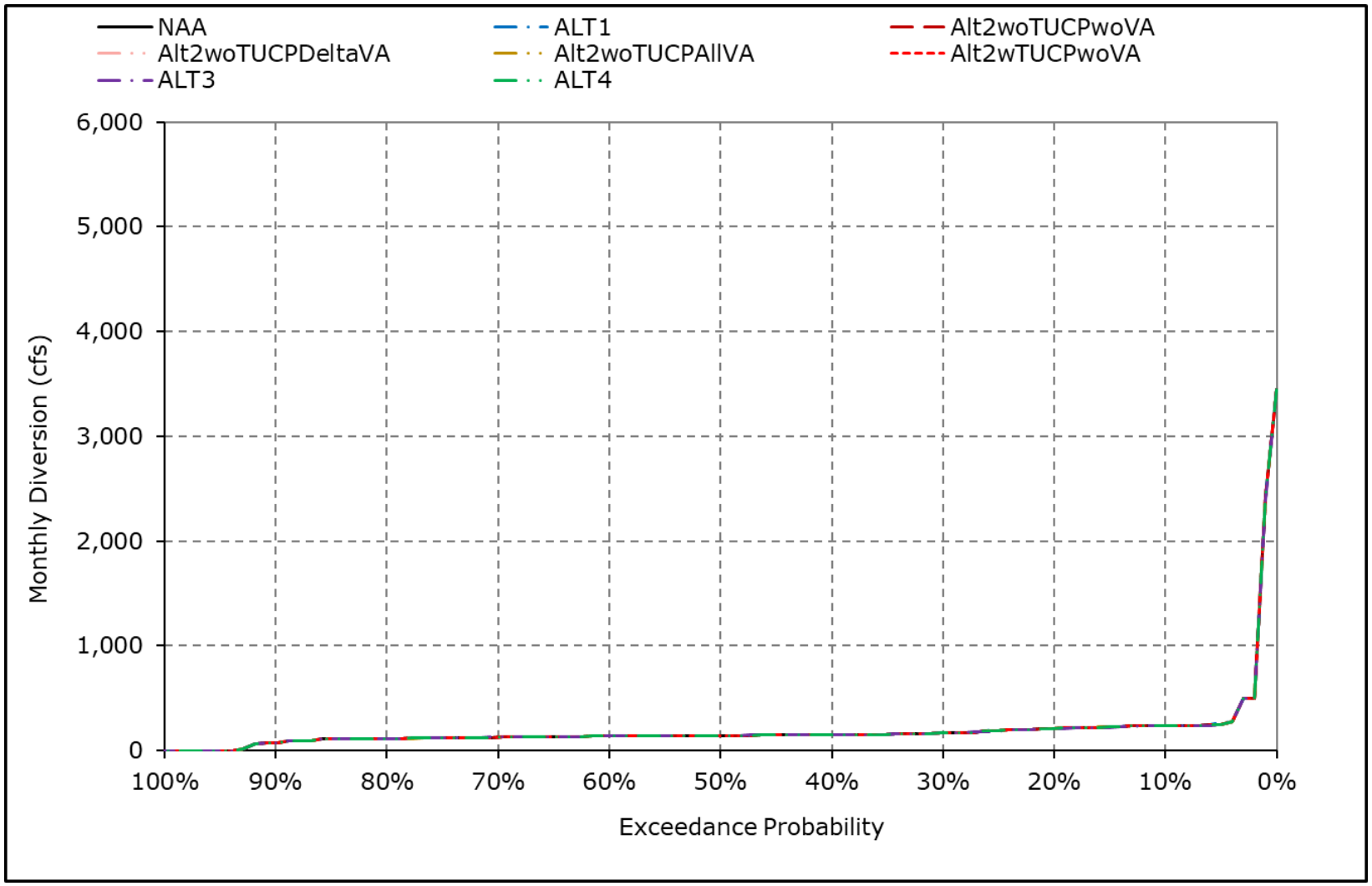
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-5-6. Friant-Kern Canal Diversion, Critical Year Average Diversion



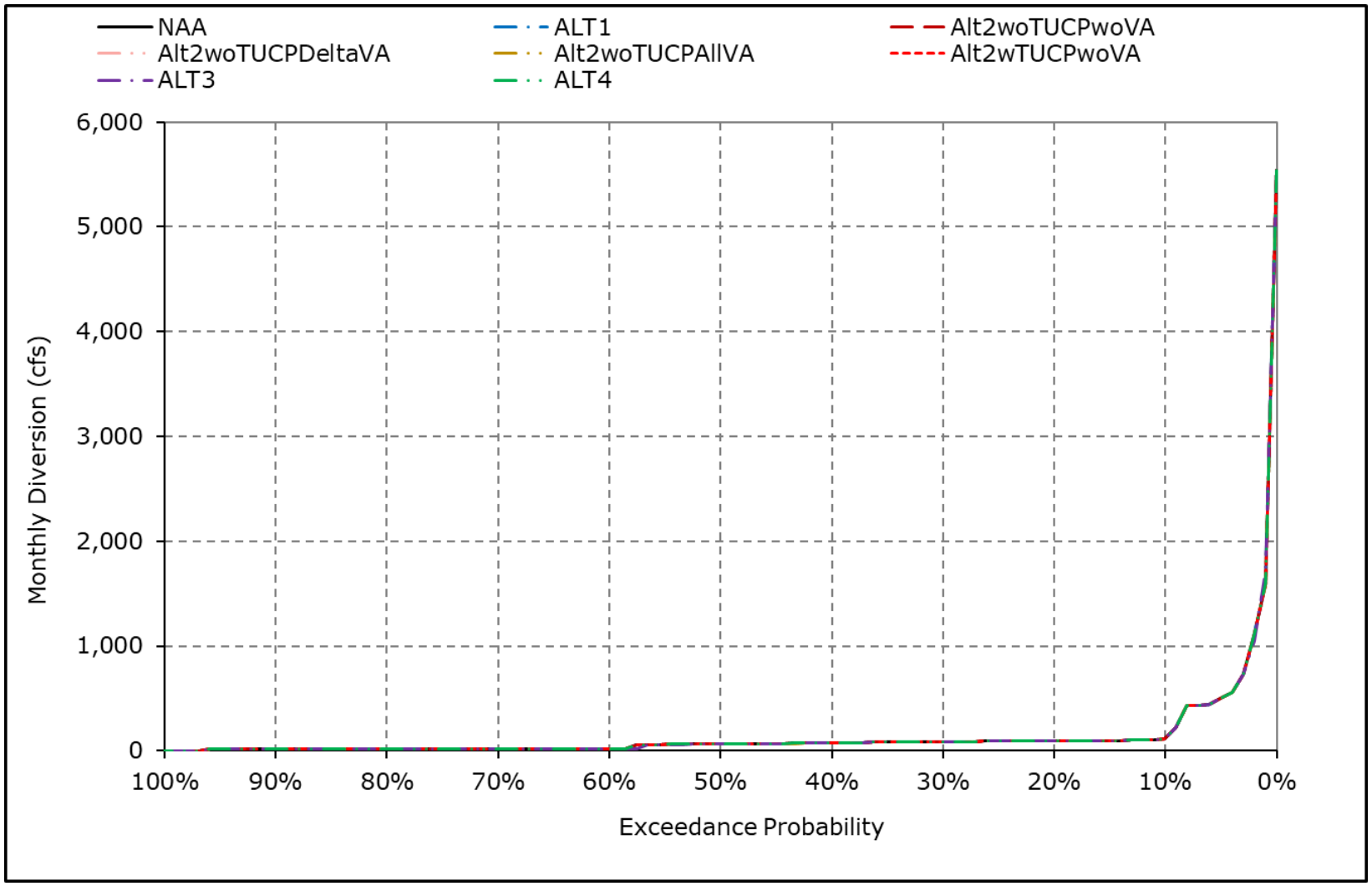
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-5-7. Friant-Kern Canal Diversion, October



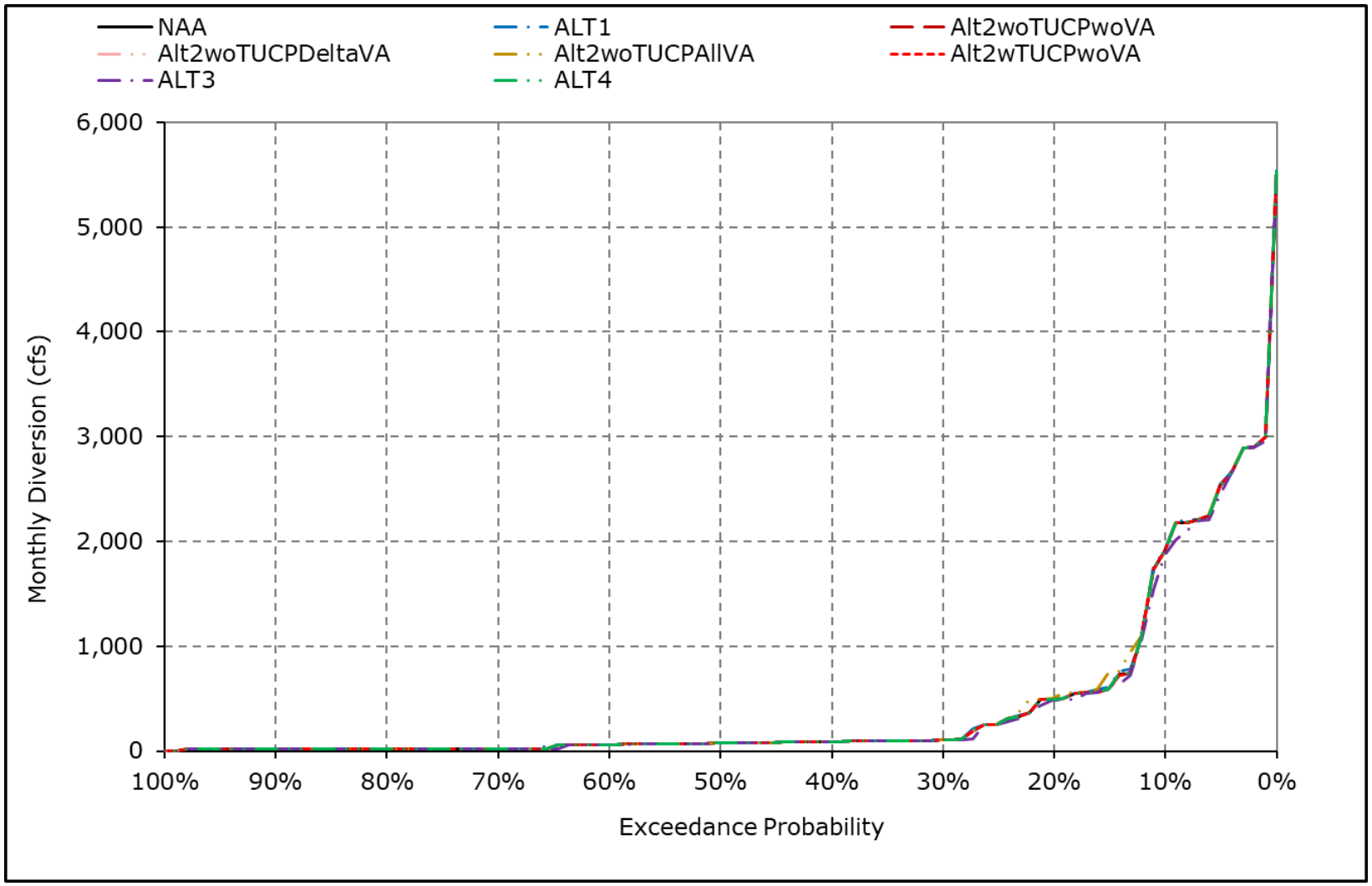
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-5-8. Friant-Kern Canal Diversion, November



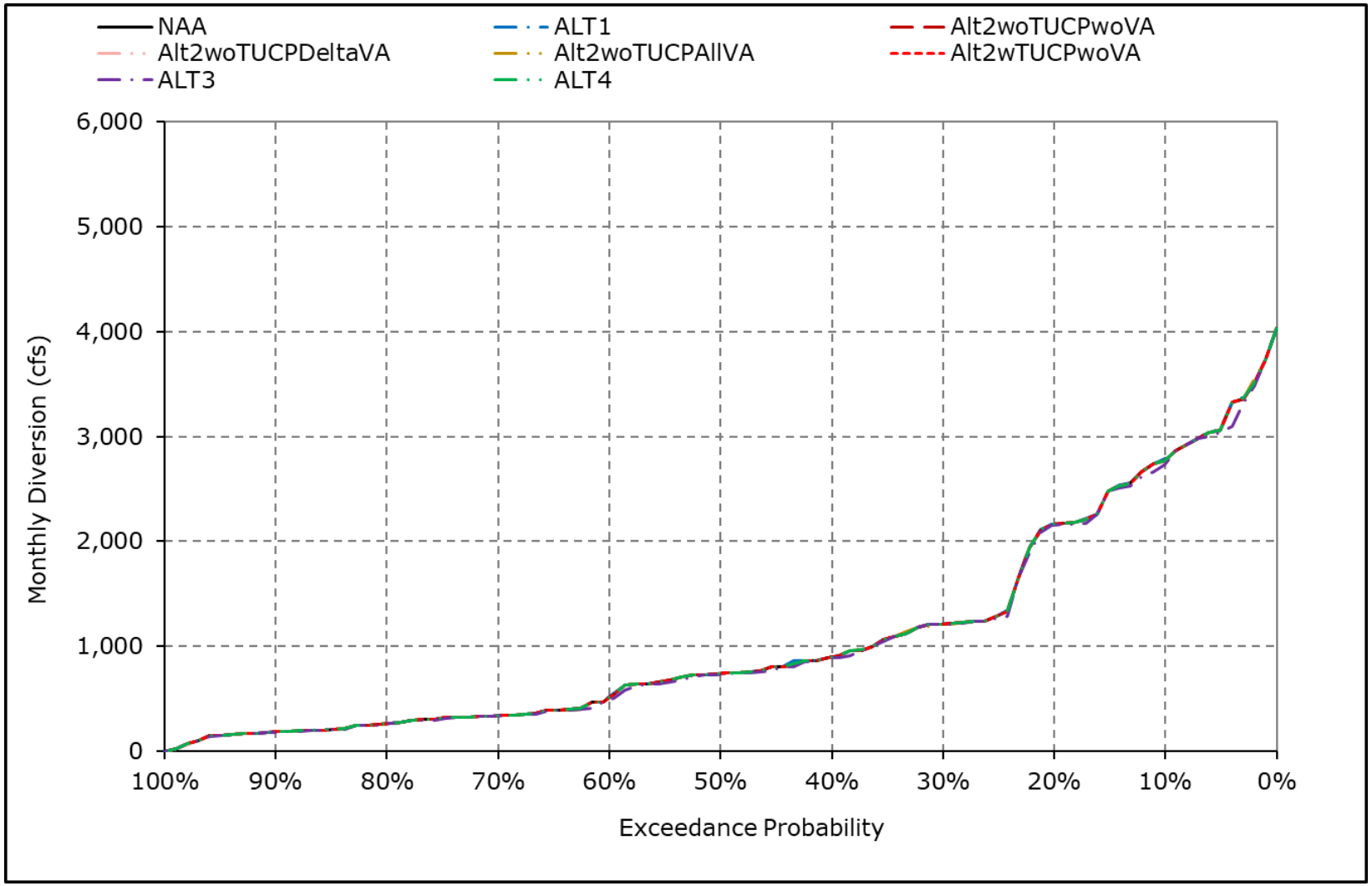
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-5-9. Friant-Kern Canal Diversion, December



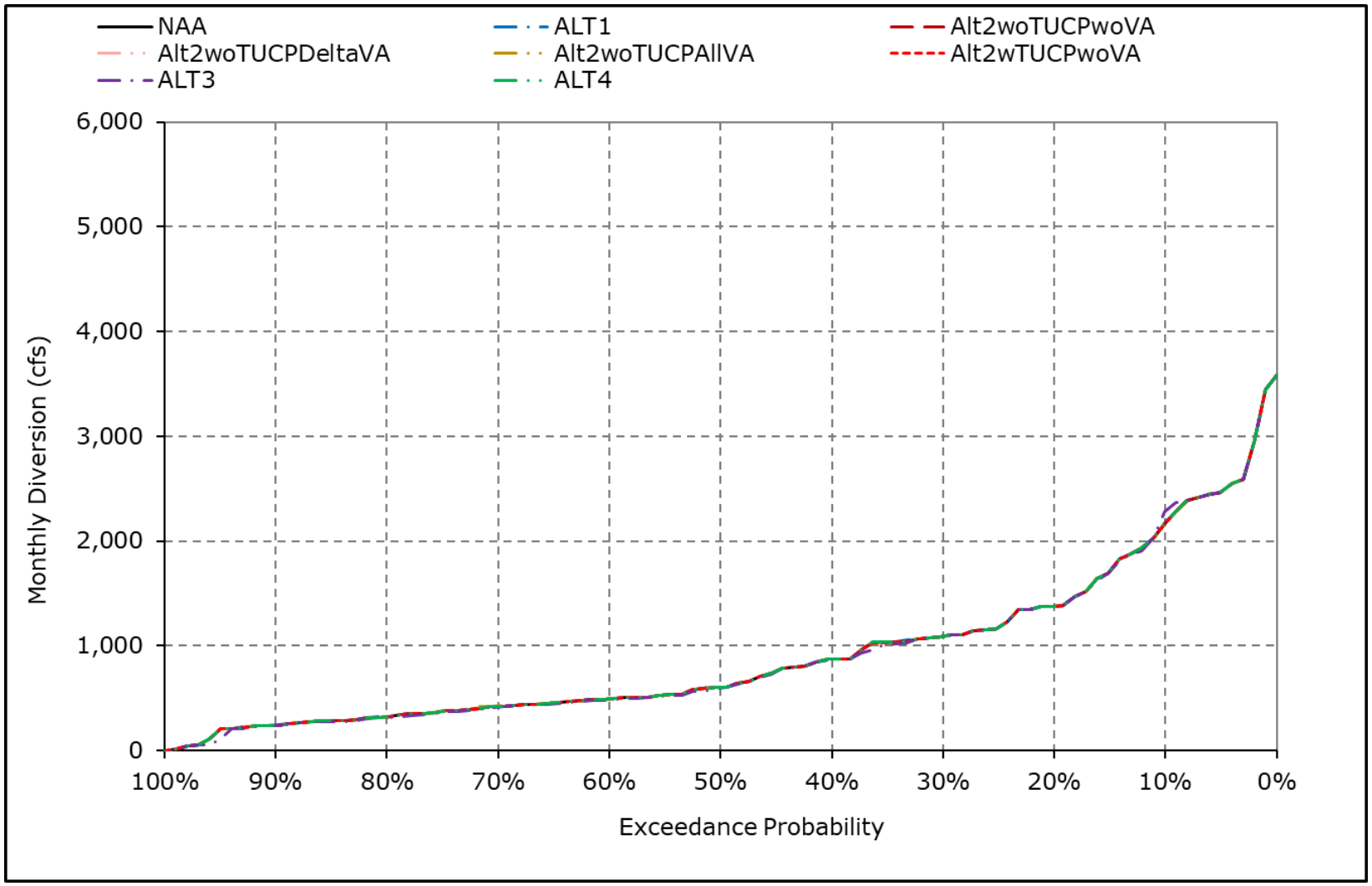
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-5-10. Friant-Kern Canal Diversion, January



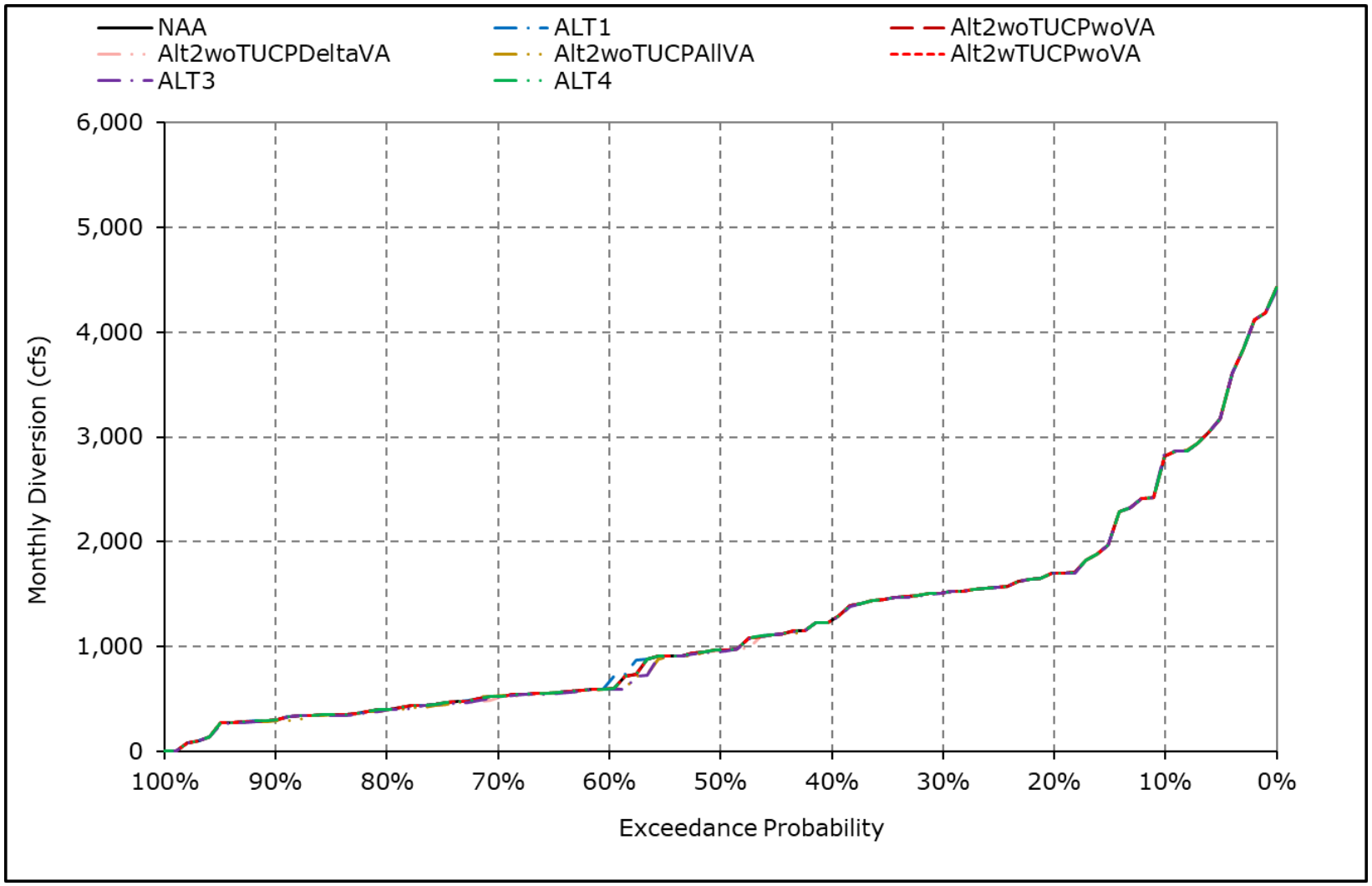
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-5-11. Friant-Kern Canal Diversion, February



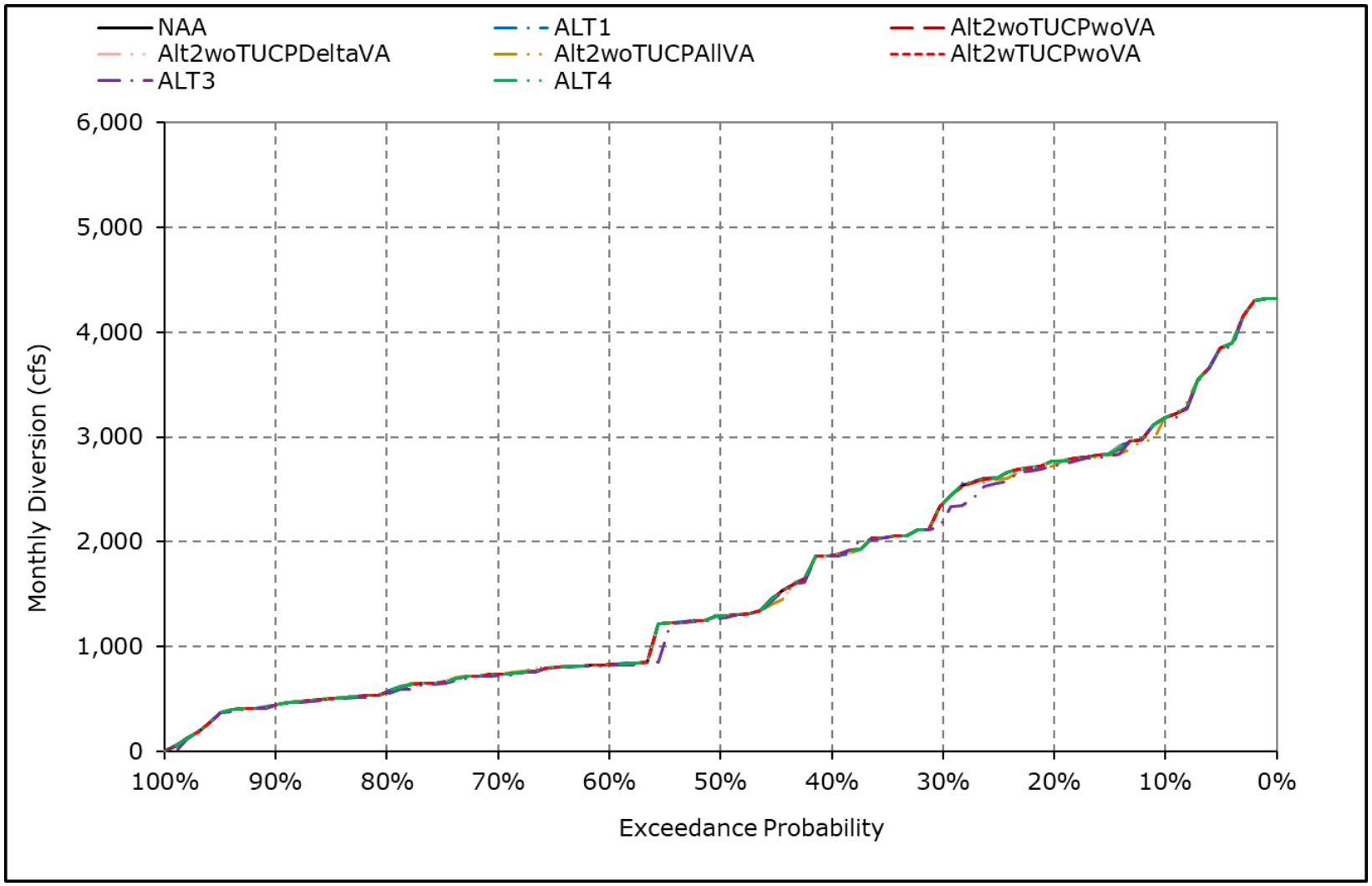
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-5-12. Friant-Kern Canal Diversion, March



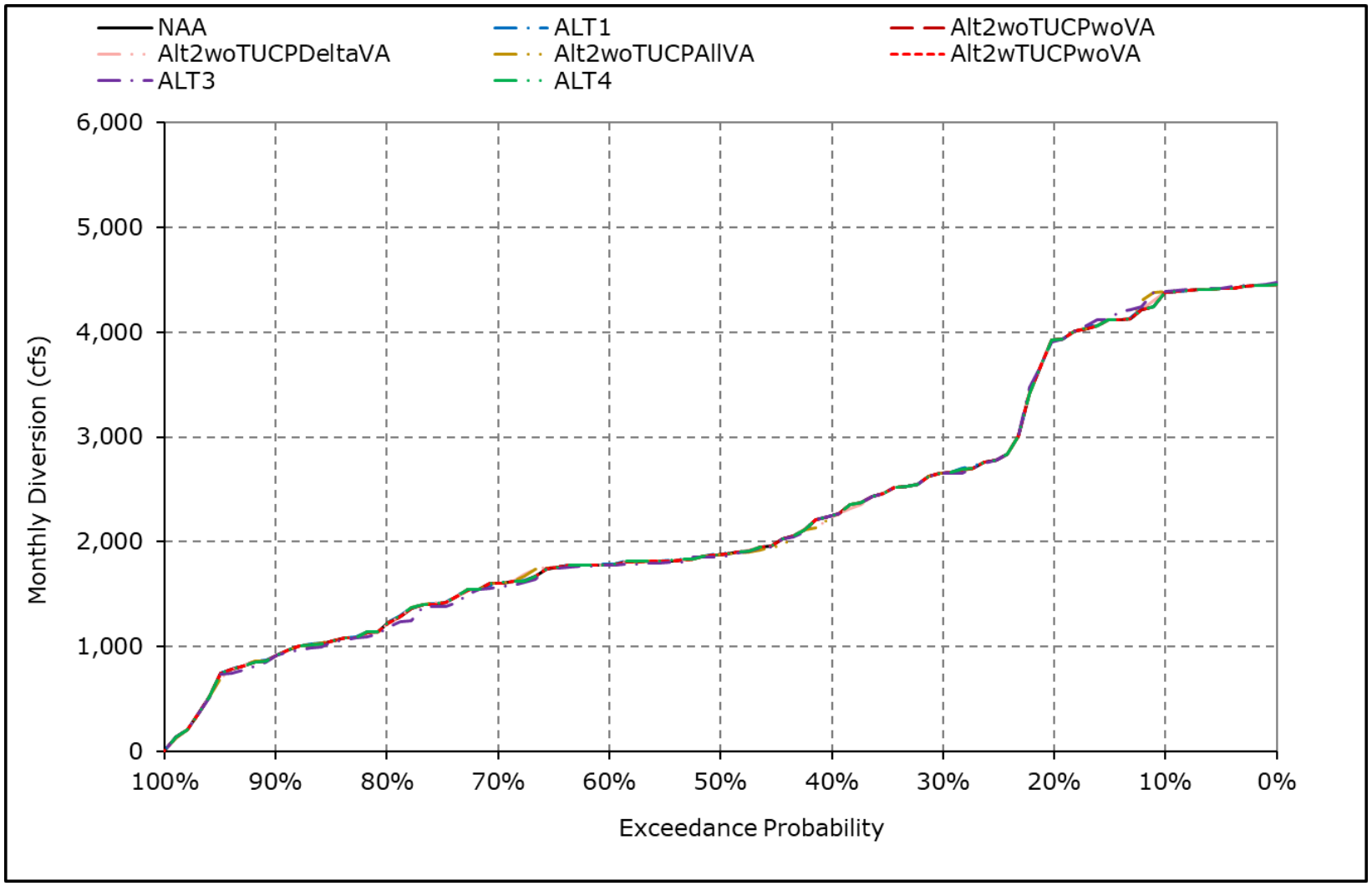
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-5-13. Friant-Kern Canal Diversion, April



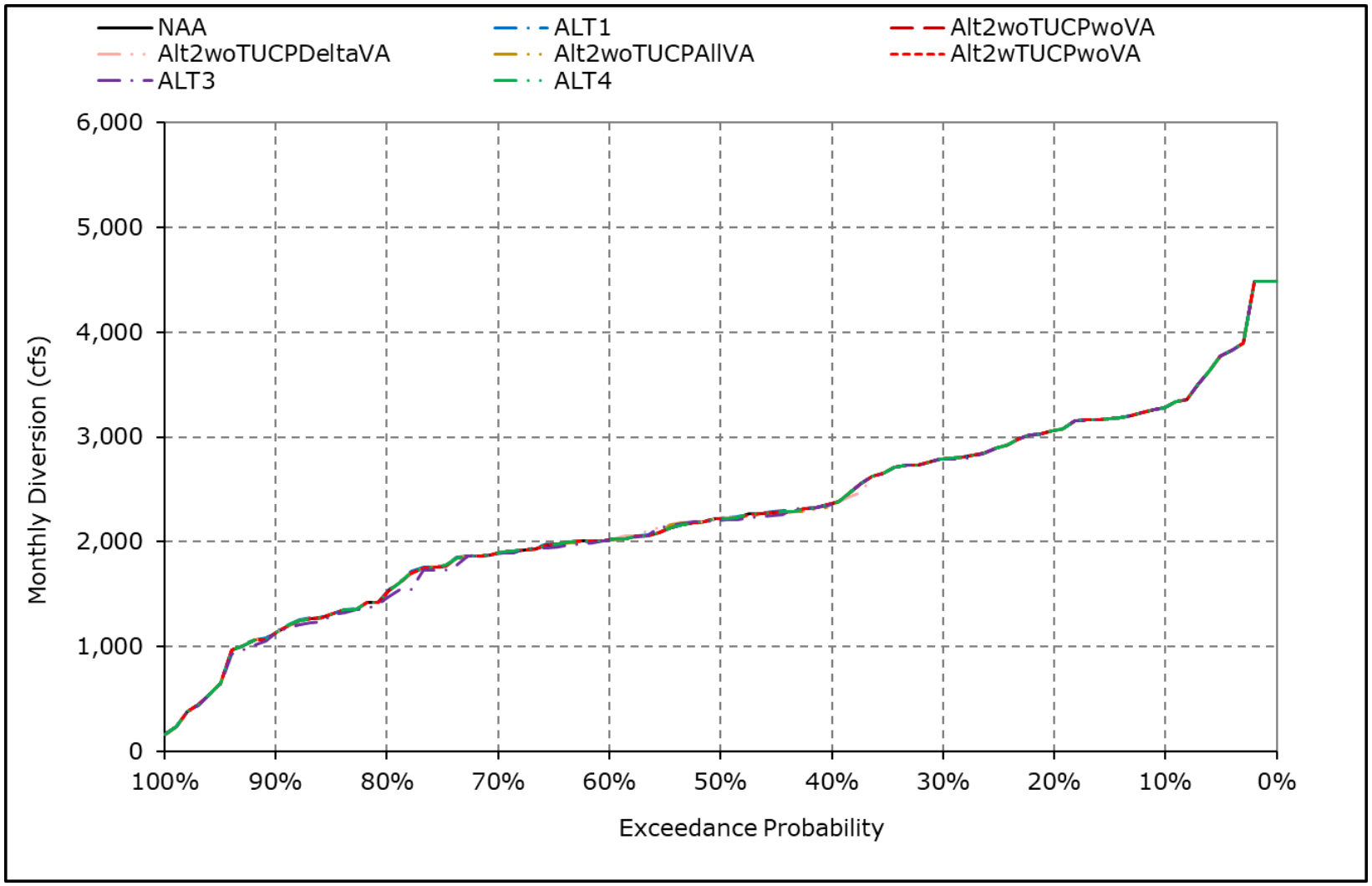
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-5-14. Friant-Kern Canal Diversion, May



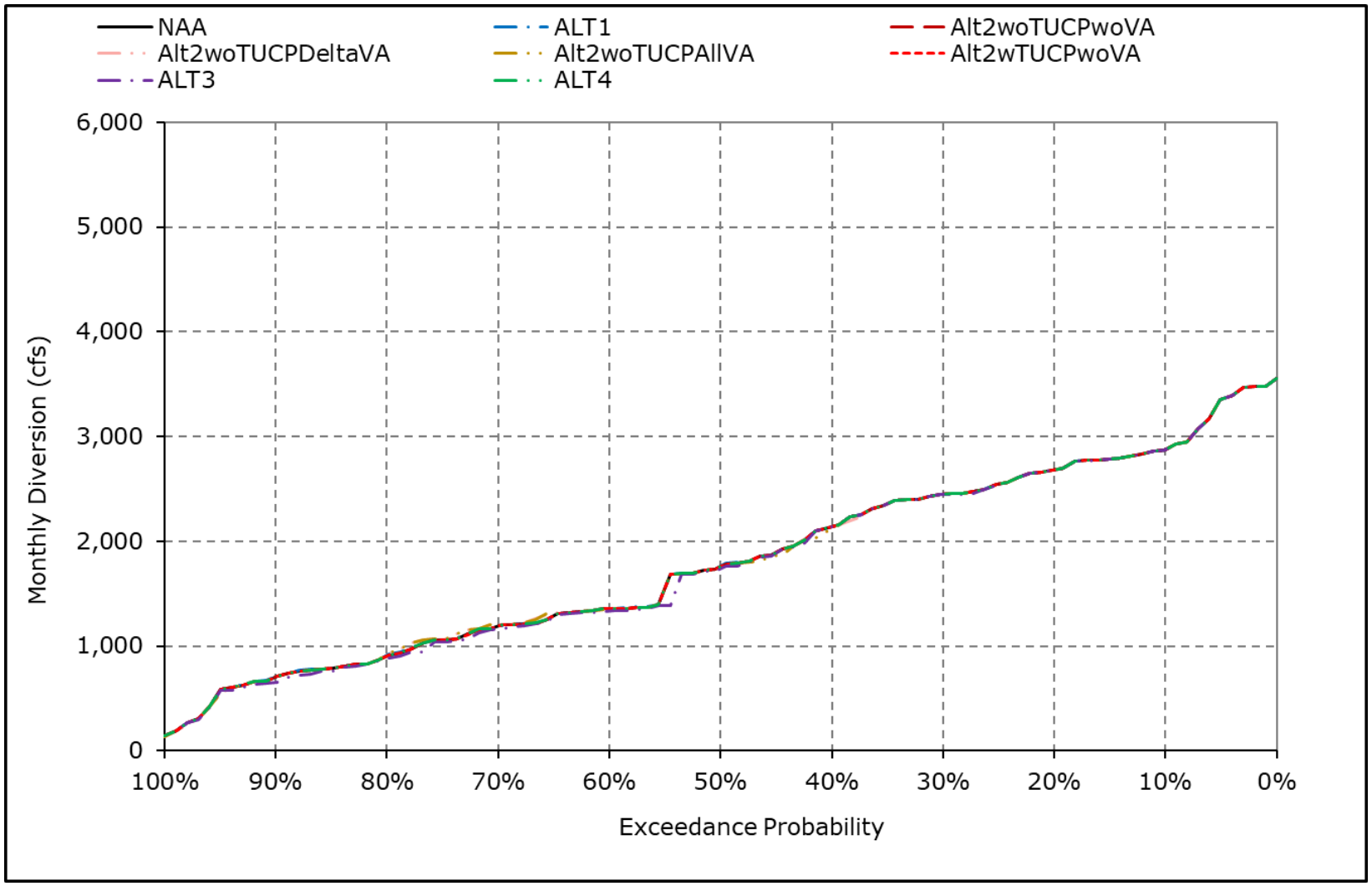
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-5-15. Friant-Kern Canal Diversion, June



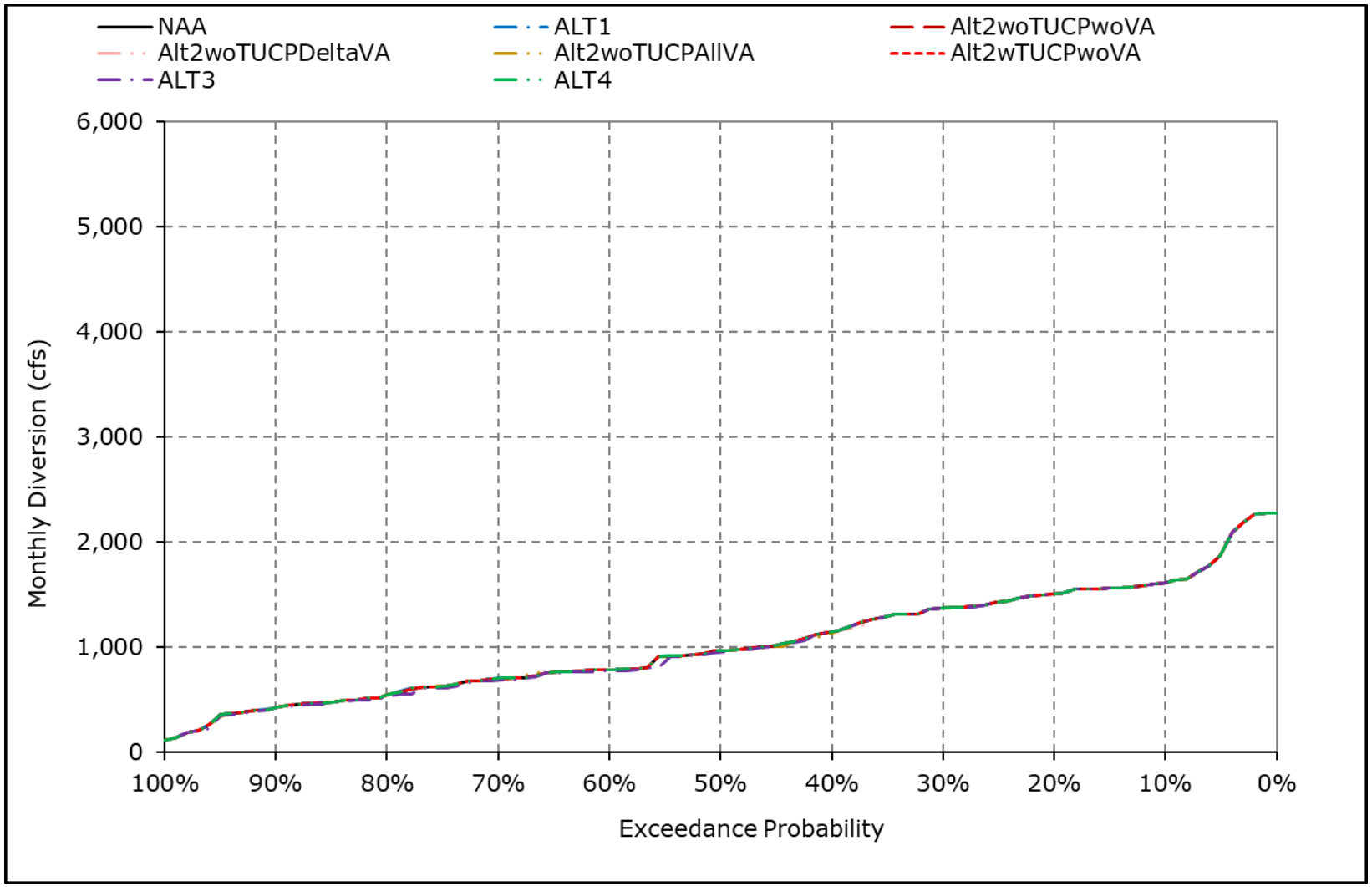
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-5-16. Friant-Kern Canal Diversion, July



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

Figure F.2.3-5-17. Friant-Kern Canal Diversion, August



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

Figure F.2.3-5-18. Friant-Kern Canal Diversion, September

Table F.2.3-6-1a. Madera Canal Diversion, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	42	7	0	0	588	404	659	1,053	1,250	1,247	932	356
20% Exceedance	38	0	0	0	113	315	371	782	1,053	1,103	881	321
30% Exceedance	0	0	0	0	71	183	109	478	961	1,026	827	195
40% Exceedance	0	0	0	0	16	111	0	337	784	936	658	130
50% Exceedance	0	0	0	0	0	5	0	216	642	780	521	94
60% Exceedance	0	0	0	0	0	0	0	197	577	703	482	79
70% Exceedance	0	0	0	0	0	0	0	177	513	624	428	72
80% Exceedance	0	0	0	0	0	0	0	139	392	479	311	57
90% Exceedance	0	0	0	0	0	0	0	113	300	347	229	40
Full Simulation Period Average[a]	16	4	25	50	107	139	173	413	711	787	591	172
Wet Water Years (28%)	42	11	59	151	223	327	466	780	1,041	1,071	871	303
Above Normal Water Years (14%)	20	6	0	35	123	157	193	468	847	941	719	192
Below Normal Water Years (18%)	4	1	0	14	106	100	58	331	682	794	529	152
Dry Water Years (24%)	2	0	34	0	28	26	21	212	530	642	446	86
Critical Water Years (16%)	0	0	0	0	7	7	0	115	317	367	277	73

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

Table F.2.3-6-1b. Madera Canal Diversion, Alternative 1, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	42	7	0	0	588	404	673	1,053	1,250	1,247	932	356
20% Exceedance	38	0	0	0	113	316	371	782	1,057	1,103	883	322
30% Exceedance	0	0	0	0	71	183	109	480	961	1,026	827	195
40% Exceedance	0	0	0	0	17	111	0	337	784	936	658	130
50% Exceedance	0	0	0	0	0	5	0	217	643	782	522	94
60% Exceedance	0	0	0	0	0	0	0	197	579	705	483	80
70% Exceedance	0	0	0	0	0	0	0	176	512	623	424	73
80% Exceedance	0	0	0	0	0	0	0	140	395	482	311	57
90% Exceedance	0	0	0	0	0	0	0	113	301	350	232	40
Full Simulation Period Average[a]	16	4	25	50	107	137	173	414	712	788	592	172
Wet Water Years (28%)	41	11	59	152	223	321	465	782	1,041	1,071	871	303
Above Normal Water Years (14%)	20	6	0	35	124	157	193	468	848	941	719	192
Below Normal Water Years (18%)	4	1	0	16	107	98	58	332	684	796	530	153
Dry Water Years (24%)	2	0	34	0	28	26	21	212	531	643	447	86
Critical Water Years (16%)	0	0	0	0	7	7	0	116	318	369	277	74

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

Table F.2.3-6-1c. Madera Canal Diversion, Alternative 1 minus No Action Alternative, Monthly Diversion (cfs)

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

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

Table F.2.3-6-2a. Madera Canal Diversion, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	42	7	0	0	588	404	659	1,053	1,250	1,247	932	356
20% Exceedance	38	0	0	0	113	315	371	782	1,053	1,103	881	321
30% Exceedance	0	0	0	0	71	183	109	478	961	1,026	827	195
40% Exceedance	0	0	0	0	16	111	0	337	784	936	658	130
50% Exceedance	0	0	0	0	0	5	0	216	642	780	521	94
60% Exceedance	0	0	0	0	0	0	0	197	577	703	482	79
70% Exceedance	0	0	0	0	0	0	0	177	513	624	428	72
80% Exceedance	0	0	0	0	0	0	0	139	392	479	311	57
90% Exceedance	0	0	0	0	0	0	0	113	300	347	229	40
Full Simulation Period Average[a]	16	4	25	50	107	139	173	413	711	787	591	172
Wet Water Years (28%)	42	11	59	151	223	327	466	780	1,041	1,071	871	303
Above Normal Water Years (14%)	20	6	0	35	123	157	193	468	847	941	719	192
Below Normal Water Years (18%)	4	1	0	14	106	100	58	331	682	794	529	152
Dry Water Years (24%)	2	0	34	0	28	26	21	212	530	642	446	86
Critical Water Years (16%)	0	0	0	0	7	7	0	115	317	367	277	73

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

Table F.2.3-6-2b. Madera Canal Diversion, Alt2woTUCPwoVA, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	42	7	0	0	588	404	657	1,053	1,250	1,247	932	356
20% Exceedance	38	0	0	0	113	315	371	782	1,053	1,103	881	321
30% Exceedance	0	0	0	0	71	182	109	479	961	1,026	827	195
40% Exceedance	0	0	0	0	16	111	0	336	784	936	658	130
50% Exceedance	0	0	0	0	0	5	0	216	642	780	521	94
60% Exceedance	0	0	0	0	0	0	0	197	577	702	481	79
70% Exceedance	0	0	0	0	0	0	0	177	513	624	428	73
80% Exceedance	0	0	0	0	0	0	0	139	392	479	311	57
90% Exceedance	0	0	0	0	0	0	0	113	300	347	229	40
Full Simulation Period Average[a]	16	4	25	50	107	137	173	413	711	787	591	172
Wet Water Years (28%)	42	11	59	151	223	321	466	780	1,041	1,071	871	303
Above Normal Water Years (14%)	20	6	0	35	123	157	193	468	847	941	719	192
Below Normal Water Years (18%)	4	1	0	14	106	100	58	331	682	794	529	153
Dry Water Years (24%)	2	0	34	0	28	26	21	211	530	642	446	86
Critical Water Years (16%)	0	0	0	0	7	7	0	115	317	367	277	73

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

Table F.2.3-6-2c. Madera Canal Diversion, Alt2woTUCPwoVA minus No Action Alternative, Monthly Diversion (cfs)

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

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

Table F.2.3-6-3a. Madera Canal Diversion, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	42	7	0	0	588	404	659	1,053	1,250	1,247	932	356
20% Exceedance	38	0	0	0	113	315	371	782	1,053	1,103	881	321
30% Exceedance	0	0	0	0	71	183	109	478	961	1,026	827	195
40% Exceedance	0	0	0	0	16	111	0	337	784	936	658	130
50% Exceedance	0	0	0	0	0	5	0	216	642	780	521	94
60% Exceedance	0	0	0	0	0	0	0	197	577	703	482	79
70% Exceedance	0	0	0	0	0	0	0	177	513	624	428	72
80% Exceedance	0	0	0	0	0	0	0	139	392	479	311	57
90% Exceedance	0	0	0	0	0	0	0	113	300	347	229	40
Full Simulation Period Average[a]	16	4	25	50	107	139	173	413	711	787	591	172
Wet Water Years (28%)	42	11	59	151	223	327	466	780	1,041	1,071	871	303
Above Normal Water Years (14%)	20	6	0	35	123	157	193	468	847	941	719	192
Below Normal Water Years (18%)	4	1	0	14	106	100	58	331	682	794	529	152
Dry Water Years (24%)	2	0	34	0	28	26	21	212	530	642	446	86
Critical Water Years (16%)	0	0	0	0	7	7	0	115	317	367	277	73

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

Table F.2.3-6-3b. Madera Canal Diversion, Alt2woTUCPDeltaVA, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	42	7	0	0	590	404	657	1,053	1,250	1,247	932	356
20% Exceedance	38	0	0	0	113	315	371	782	1,056	1,103	880	321
30% Exceedance	0	0	0	0	76	182	109	475	961	1,023	827	174
40% Exceedance	0	0	0	0	16	111	0	336	775	927	651	129
50% Exceedance	0	0	0	0	0	5	0	216	642	780	521	94
60% Exceedance	0	0	0	0	0	0	0	197	577	702	481	79
70% Exceedance	0	0	0	0	0	0	0	177	513	624	428	73
80% Exceedance	0	0	0	0	0	0	0	139	392	479	332	58
90% Exceedance	0	0	0	0	0	0	0	113	300	347	229	40
Full Simulation Period Average[a]	16	4	25	50	111	137	173	412	710	786	591	171
Wet Water Years (28%)	42	11	59	151	225	327	466	779	1,039	1,069	869	303
Above Normal Water Years (14%)	20	6	0	35	147	148	193	466	848	941	719	192
Below Normal Water Years (18%)	4	1	0	14	108	100	58	332	682	793	528	153
Dry Water Years (24%)	2	0	34	0	28	26	21	212	530	642	446	86
Critical Water Years (16%)	0	0	0	0	7	7	0	115	316	366	278	69

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

Table F.2.3-6-3c. Madera Canal Diversion, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Diversion (cfs)

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

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

Table F.2.3-6-4a. Madera Canal Diversion, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	42	7	0	0	588	404	659	1,053	1,250	1,247	932	356
20% Exceedance	38	0	0	0	113	315	371	782	1,053	1,103	881	321
30% Exceedance	0	0	0	0	71	183	109	478	961	1,026	827	195
40% Exceedance	0	0	0	0	16	111	0	337	784	936	658	130
50% Exceedance	0	0	0	0	0	5	0	216	642	780	521	94
60% Exceedance	0	0	0	0	0	0	0	197	577	703	482	79
70% Exceedance	0	0	0	0	0	0	0	177	513	624	428	72
80% Exceedance	0	0	0	0	0	0	0	139	392	479	311	57
90% Exceedance	0	0	0	0	0	0	0	113	300	347	229	40
Full Simulation Period Average[a]	16	4	25	50	107	139	173	413	711	787	591	172
Wet Water Years (28%)	42	11	59	151	223	327	466	780	1,041	1,071	871	303
Above Normal Water Years (14%)	20	6	0	35	123	157	193	468	847	941	719	192
Below Normal Water Years (18%)	4	1	0	14	106	100	58	331	682	794	529	152
Dry Water Years (24%)	2	0	34	0	28	26	21	212	530	642	446	86
Critical Water Years (16%)	0	0	0	0	7	7	0	115	317	367	277	73

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

Table F.2.3-6-4b. Madera Canal Diversion, Alt2woTUCPAllVA, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	42	7	0	0	590	404	658	1,053	1,250	1,247	932	356
20% Exceedance	38	0	0	0	113	315	371	784	1,053	1,103	881	321
30% Exceedance	0	0	0	0	76	183	109	479	961	1,026	827	168
40% Exceedance	0	0	0	0	16	111	0	336	775	927	651	127
50% Exceedance	0	0	0	0	0	5	0	216	642	780	521	92
60% Exceedance	0	0	0	0	0	0	0	197	577	702	481	79
70% Exceedance	0	0	0	0	0	0	0	177	513	624	428	72
80% Exceedance	0	0	0	0	0	0	0	139	392	479	332	58
90% Exceedance	0	0	0	0	0	0	0	113	300	347	229	40
Full Simulation Period Average[a]	16	4	25	50	110	136	173	415	710	787	591	170
Wet Water Years (28%)	42	11	59	151	225	321	466	787	1,039	1,069	869	303
Above Normal Water Years (14%)	20	6	0	35	147	148	193	466	845	937	716	192
Below Normal Water Years (18%)	4	1	0	14	106	100	58	332	685	797	531	153
Dry Water Years (24%)	2	0	34	0	28	26	21	212	530	642	446	86
Critical Water Years (16%)	0	0	0	0	7	7	0	116	316	370	279	65

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

Table F.2.3-6-4c. Madera Canal Diversion, Alt2woTUCPAllVA minus No Action Alternative, Monthly Diversion (cfs)

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

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

Table F.2.3-6-5a. Madera Canal Diversion, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	42	7	0	0	588	404	659	1,053	1,250	1,247	932	356
20% Exceedance	38	0	0	0	113	315	371	782	1,053	1,103	881	321
30% Exceedance	0	0	0	0	71	183	109	478	961	1,026	827	195
40% Exceedance	0	0	0	0	16	111	0	337	784	936	658	130
50% Exceedance	0	0	0	0	0	5	0	216	642	780	521	94
60% Exceedance	0	0	0	0	0	0	0	197	577	703	482	79
70% Exceedance	0	0	0	0	0	0	0	177	513	624	428	72
80% Exceedance	0	0	0	0	0	0	0	139	392	479	311	57
90% Exceedance	0	0	0	0	0	0	0	113	300	347	229	40
Full Simulation Period Average[a]	16	4	25	50	107	139	173	413	711	787	591	172
Wet Water Years (28%)	42	11	59	151	223	327	466	780	1,041	1,071	871	303
Above Normal Water Years (14%)	20	6	0	35	123	157	193	468	847	941	719	192
Below Normal Water Years (18%)	4	1	0	14	106	100	58	331	682	794	529	152
Dry Water Years (24%)	2	0	34	0	28	26	21	212	530	642	446	86
Critical Water Years (16%)	0	0	0	0	7	7	0	115	317	367	277	73

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

Table F.2.3-6-5b. Madera Canal Diversion, Alt2wTUCPwoVA, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	42	7	0	0	588	404	657	1,053	1,250	1,247	932	356
20% Exceedance	38	0	0	0	113	315	371	782	1,053	1,103	881	321
30% Exceedance	0	0	0	0	71	182	109	479	961	1,026	827	195
40% Exceedance	0	0	0	0	16	111	0	336	784	936	658	130
50% Exceedance	0	0	0	0	0	5	0	216	642	780	521	94
60% Exceedance	0	0	0	0	0	0	0	197	577	702	481	79
70% Exceedance	0	0	0	0	0	0	0	177	513	624	428	72
80% Exceedance	0	0	0	0	0	0	0	139	392	479	311	57
90% Exceedance	0	0	0	0	0	0	0	113	300	347	229	40
Full Simulation Period Average[a]	16	4	25	50	107	137	173	413	711	787	591	172
Wet Water Years (28%)	42	11	59	151	223	321	466	780	1,041	1,071	871	303
Above Normal Water Years (14%)	20	6	0	35	123	157	193	468	847	941	719	192
Below Normal Water Years (18%)	4	1	0	14	106	100	58	331	682	794	529	153
Dry Water Years (24%)	2	0	34	0	28	26	21	211	530	642	446	86
Critical Water Years (16%)	0	0	0	0	7	7	0	115	317	367	277	73

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

Table F.2.3-6-5c. Madera Canal Diversion, Alt2wTUCPwoVA minus No Action Alternative, Monthly Diversion (cfs)

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

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

Table F.2.3-6-6a. Madera Canal Diversion, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	42	7	0	0	588	404	659	1,053	1,250	1,247	932	356
20% Exceedance	38	0	0	0	113	315	371	782	1,053	1,103	881	321
30% Exceedance	0	0	0	0	71	183	109	478	961	1,026	827	195
40% Exceedance	0	0	0	0	16	111	0	337	784	936	658	130
50% Exceedance	0	0	0	0	0	5	0	216	642	780	521	94
60% Exceedance	0	0	0	0	0	0	0	197	577	703	482	79
70% Exceedance	0	0	0	0	0	0	0	177	513	624	428	72
80% Exceedance	0	0	0	0	0	0	0	139	392	479	311	57
90% Exceedance	0	0	0	0	0	0	0	113	300	347	229	40
Full Simulation Period Average[a]	16	4	25	50	107	139	173	413	711	787	591	172
Wet Water Years (28%)	42	11	59	151	223	327	466	780	1,041	1,071	871	303
Above Normal Water Years (14%)	20	6	0	35	123	157	193	468	847	941	719	192
Below Normal Water Years (18%)	4	1	0	14	106	100	58	331	682	794	529	152
Dry Water Years (24%)	2	0	34	0	28	26	21	212	530	642	446	86
Critical Water Years (16%)	0	0	0	0	7	7	0	115	317	367	277	73

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

Table F.2.3-6-6b. Madera Canal Diversion, Alternative 3, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	42	7	0	0	586	404	612	1,051	1,250	1,241	932	359
20% Exceedance	38	0	0	0	113	314	371	782	1,063	1,103	867	330
30% Exceedance	0	0	0	0	70	180	58	475	961	1,024	826	221
40% Exceedance	0	0	0	0	8	111	0	334	782	935	657	130
50% Exceedance	0	0	0	0	0	4	0	213	632	769	517	93
60% Exceedance	0	0	0	0	0	0	0	194	568	692	474	78
70% Exceedance	0	0	0	0	0	0	0	174	501	610	412	72
80% Exceedance	0	0	0	0	0	0	0	136	380	463	309	56
90% Exceedance	0	0	0	0	0	0	0	112	299	342	222	39
Full Simulation Period Average[a]	16	4	24	47	105	139	168	410	707	780	587	173
Wet Water Years (28%)	42	10	58	149	222	326	448	780	1,040	1,070	866	307
Above Normal Water Years (14%)	20	6	0	34	119	157	193	468	847	936	715	192
Below Normal Water Years (18%)	4	1	0	5	106	106	59	322	678	781	527	155
Dry Water Years (24%)	2	0	32	0	28	26	21	209	524	634	441	86
Critical Water Years (16%)	0	0	0	0	7	7	0	113	309	356	273	74

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

Table F.2.3-6-6c. Madera Canal Diversion, Alternative 3 minus No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	-2	0	-47	-2	0	-5	0	4
20% Exceedance	0	0	0	0	0	-1	0	0	10	0	-14	9
30% Exceedance	0	0	0	0	-2	-2	-51	-2	0	-2	0	26
40% Exceedance	0	0	0	0	-8	0	0	-3	-2	-1	-1	0
50% Exceedance	0	0	0	0	0	-1	0	-3	-10	-12	-4	-1
60% Exceedance	0	0	0	0	0	0	0	-2	-9	-11	-8	-1
70% Exceedance	0	0	0	0	0	0	0	-3	-12	-14	-15	0
80% Exceedance	0	0	0	0	0	0	0	-4	-13	-15	-2	-1
90% Exceedance	0	0	0	0	0	0	0	-1	-2	-5	-7	-1
Full Simulation Period Average[a]	0	0	-1	-2	-1	1	-5	-3	-4	-7	-4	1
Wet Water Years (28%)	0	0	-1	-2	-1	-1	-18	0	-1	-1	-5	3
Above Normal Water Years (14%)	-1	0	0	-1	-5	0	0	0	0	-4	-4	-1
Below Normal Water Years (18%)	0	0	0	-9	-1	6	0	-9	-5	-13	-2	3
Dry Water Years (24%)	0	0	-2	0	-1	0	0	-2	-6	-8	-5	-1
Critical Water Years (16%)	0	0	0	0	0	0	0	-2	-8	-11	-3	1

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

Table F.2.3-6-7a. Madera Canal Diversion, No Action Alternative, Monthly Diversion (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	42	7	0	0	588	404	659	1,053	1,250	1,247	932	356
20% Exceedance	38	0	0	0	113	315	371	782	1,053	1,103	881	321
30% Exceedance	0	0	0	0	71	183	109	478	961	1,026	827	195
40% Exceedance	0	0	0	0	16	111	0	337	784	936	658	130
50% Exceedance	0	0	0	0	0	5	0	216	642	780	521	94
60% Exceedance	0	0	0	0	0	0	0	197	577	703	482	79
70% Exceedance	0	0	0	0	0	0	0	177	513	624	428	72
80% Exceedance	0	0	0	0	0	0	0	139	392	479	311	57
90% Exceedance	0	0	0	0	0	0	0	113	300	347	229	40
Full Simulation Period Average[a]	16	4	25	50	107	139	173	413	711	787	591	172
Wet Water Years (28%)	42	11	59	151	223	327	466	780	1,041	1,071	871	303
Above Normal Water Years (14%)	20	6	0	35	123	157	193	468	847	941	719	192
Below Normal Water Years (18%)	4	1	0	14	106	100	58	331	682	794	529	152
Dry Water Years (24%)	2	0	34	0	28	26	21	212	530	642	446	86
Critical Water Years (16%)	0	0	0	0	7	7	0	115	317	367	277	73

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

Table F.2.3-6-7b. Madera Canal Diversion, Alternative 4, Monthly Diversion (cfs)

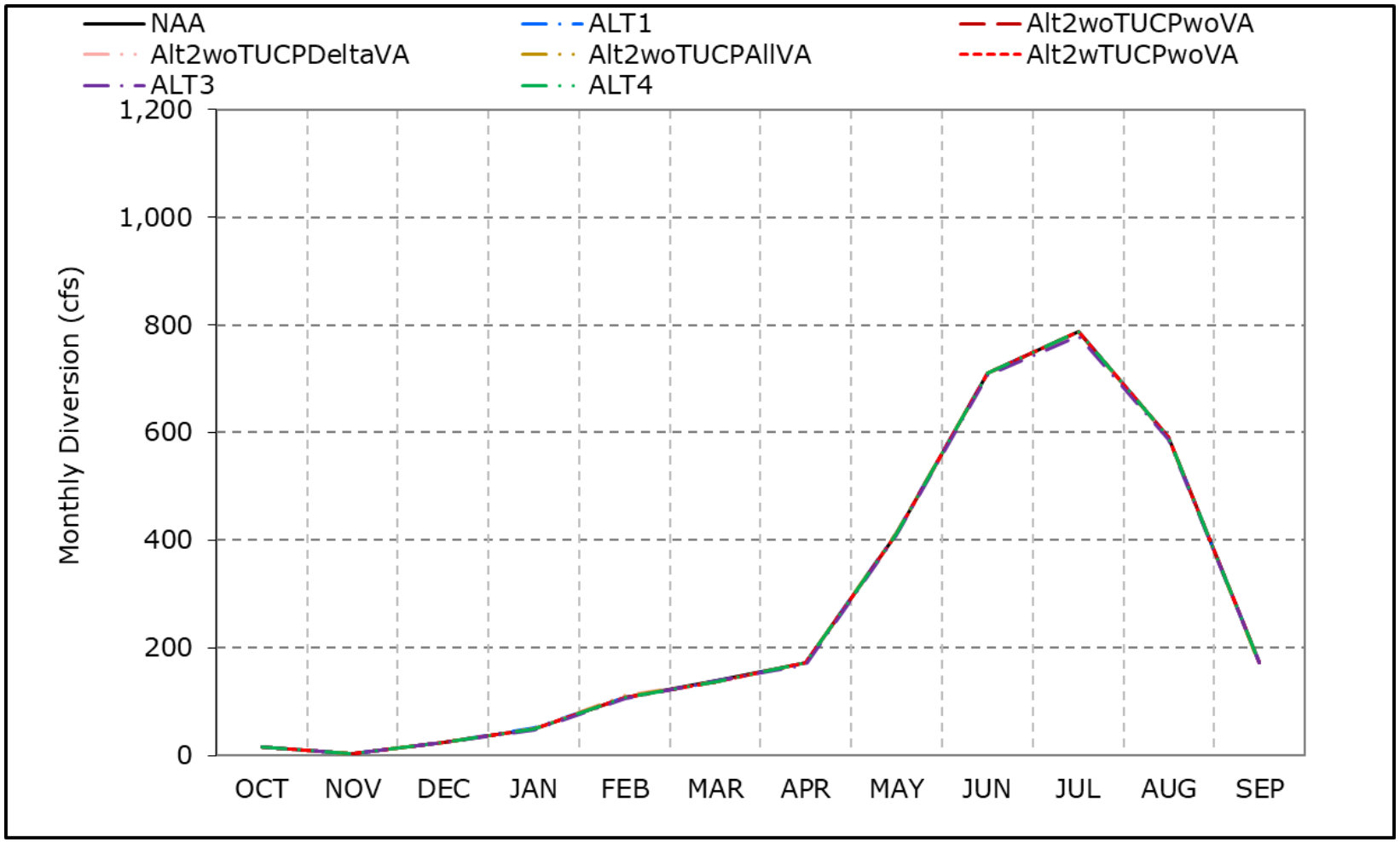
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	42	7	0	0	588	404	663	1,053	1,250	1,247	932	356
20% Exceedance	38	0	0	0	113	315	371	782	1,054	1,103	881	321
30% Exceedance	0	0	0	0	71	183	109	479	961	1,026	827	195
40% Exceedance	0	0	0	0	16	111	0	337	784	936	658	130
50% Exceedance	0	0	0	0	0	5	0	217	642	781	521	94
60% Exceedance	0	0	0	0	0	0	0	197	578	703	482	79
70% Exceedance	0	0	0	0	0	0	0	177	514	625	428	72
80% Exceedance	0	0	0	0	0	0	0	140	393	479	311	57
90% Exceedance	0	0	0	0	0	0	0	113	300	348	230	40
Full Simulation Period Average[a]	16	4	25	50	107	137	173	413	711	788	591	172
Wet Water Years (28%)	42	11	59	151	223	321	466	780	1,041	1,071	871	303
Above Normal Water Years (14%)	20	6	0	35	124	157	193	468	847	941	719	192
Below Normal Water Years (18%)	4	1	0	14	106	99	58	331	683	795	529	152
Dry Water Years (24%)	2	0	34	0	28	26	21	212	531	642	446	86
Critical Water Years (16%)	0	0	0	0	7	7	0	115	317	367	277	74

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

Table F.2.3-6-7c. Madera Canal Diversion, Alternative 4 minus No Action Alternative, Monthly Diversion (cfs)

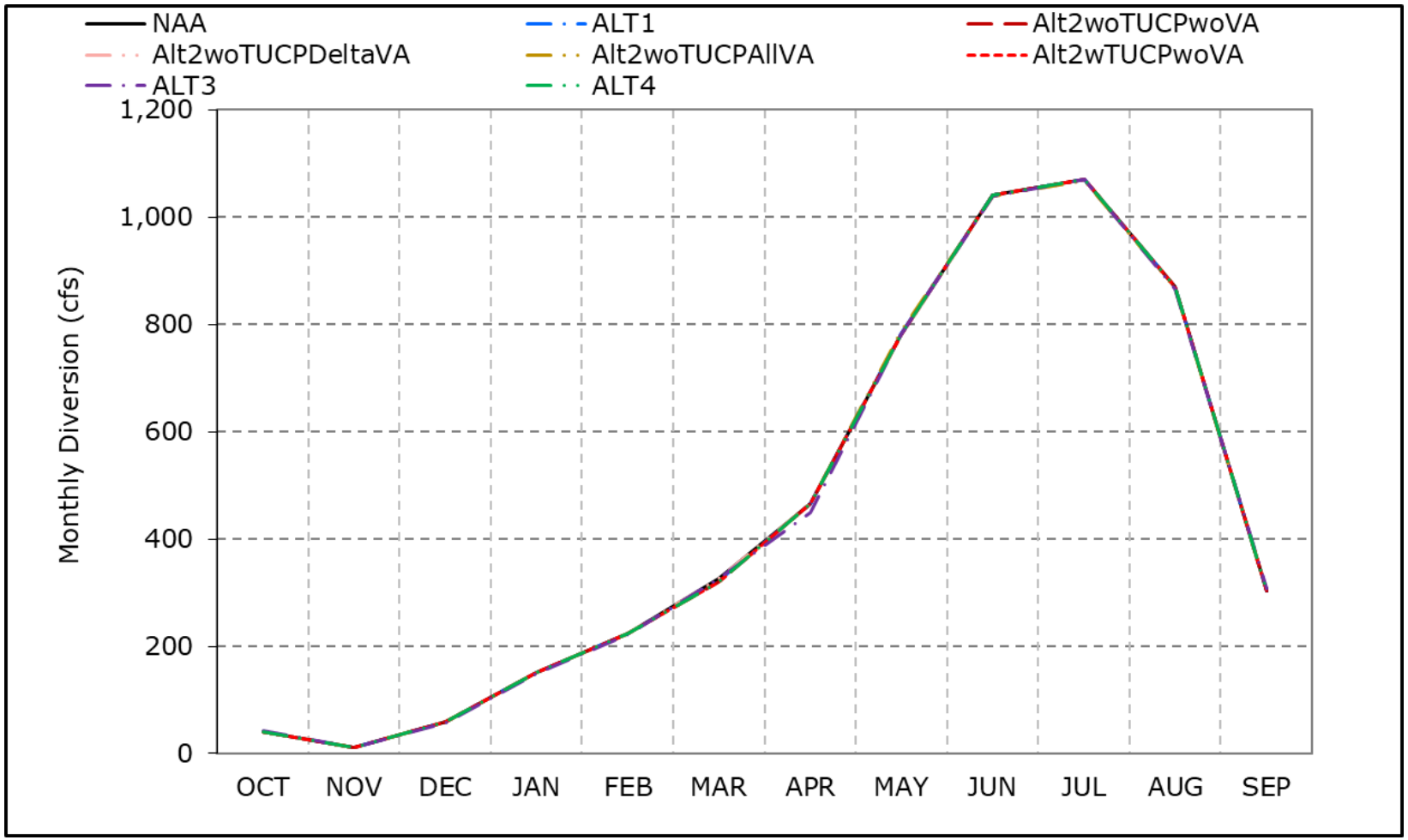
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	4	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	1	0	0	0
30% Exceedance	0	0	0	0	0	0	0	1	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance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

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



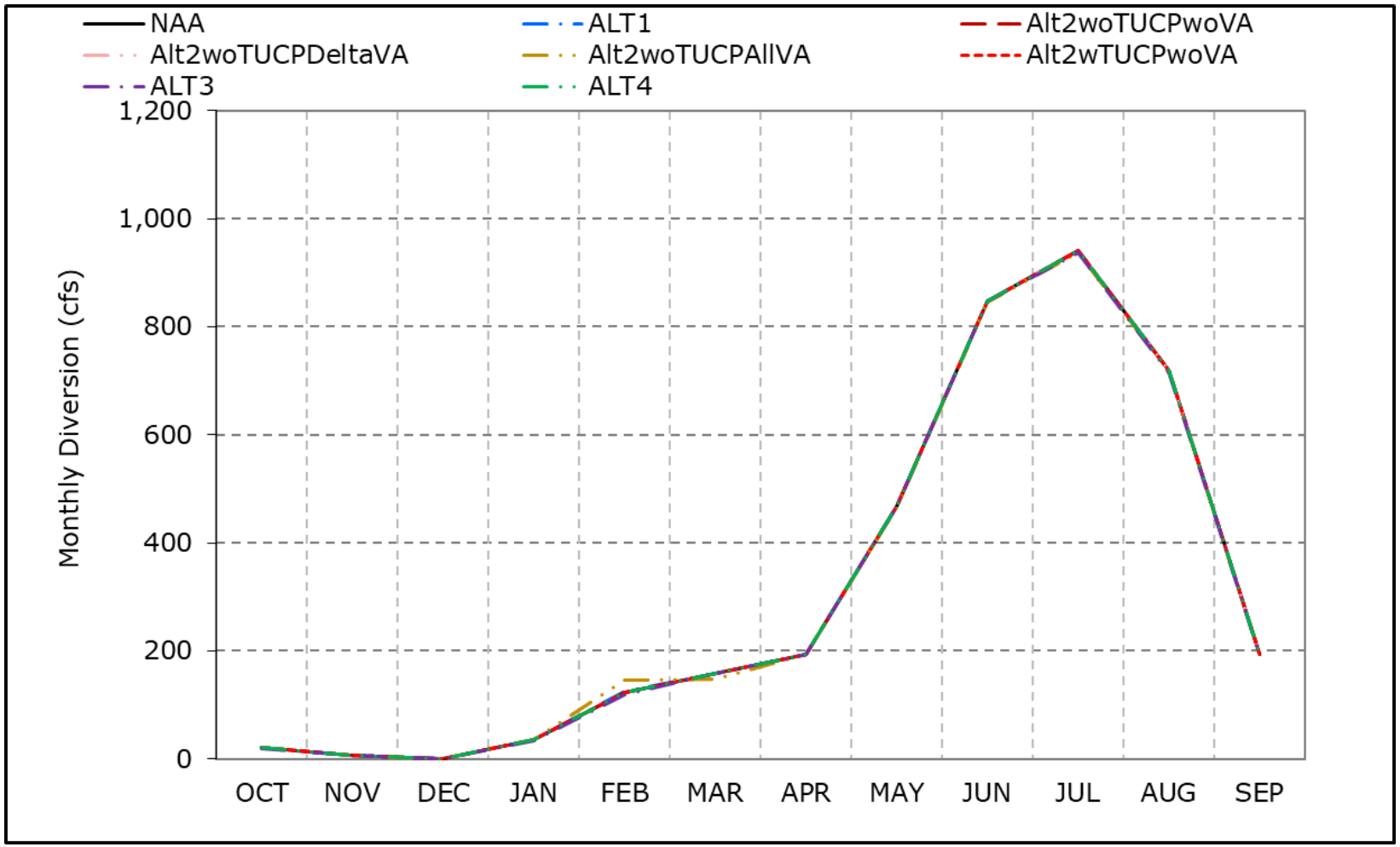
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-6-1. Madera Canal Diversion, Long-Term Average Diversion



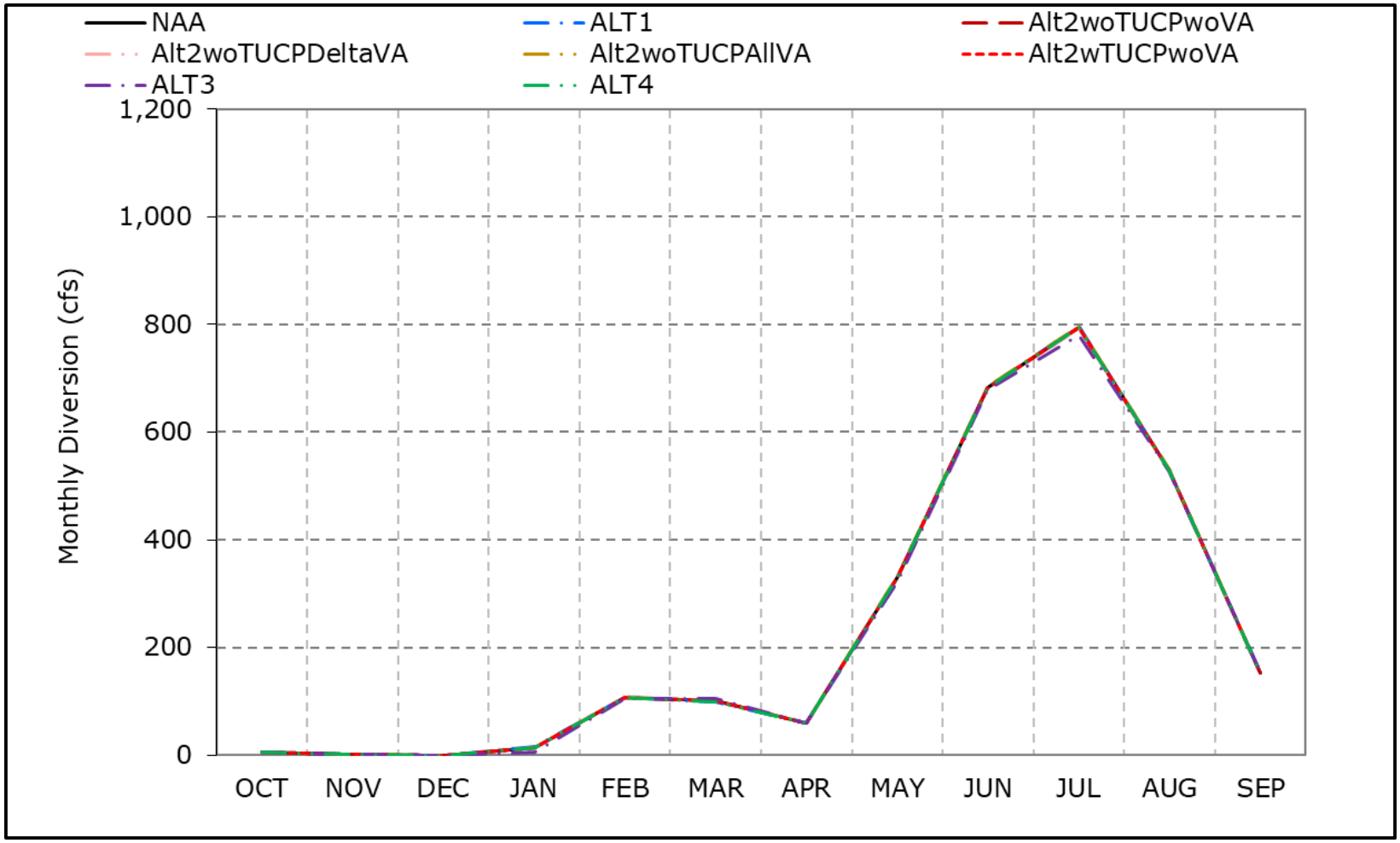
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-6-2. Madera Canal Diversion, Wet Year Average Diversion



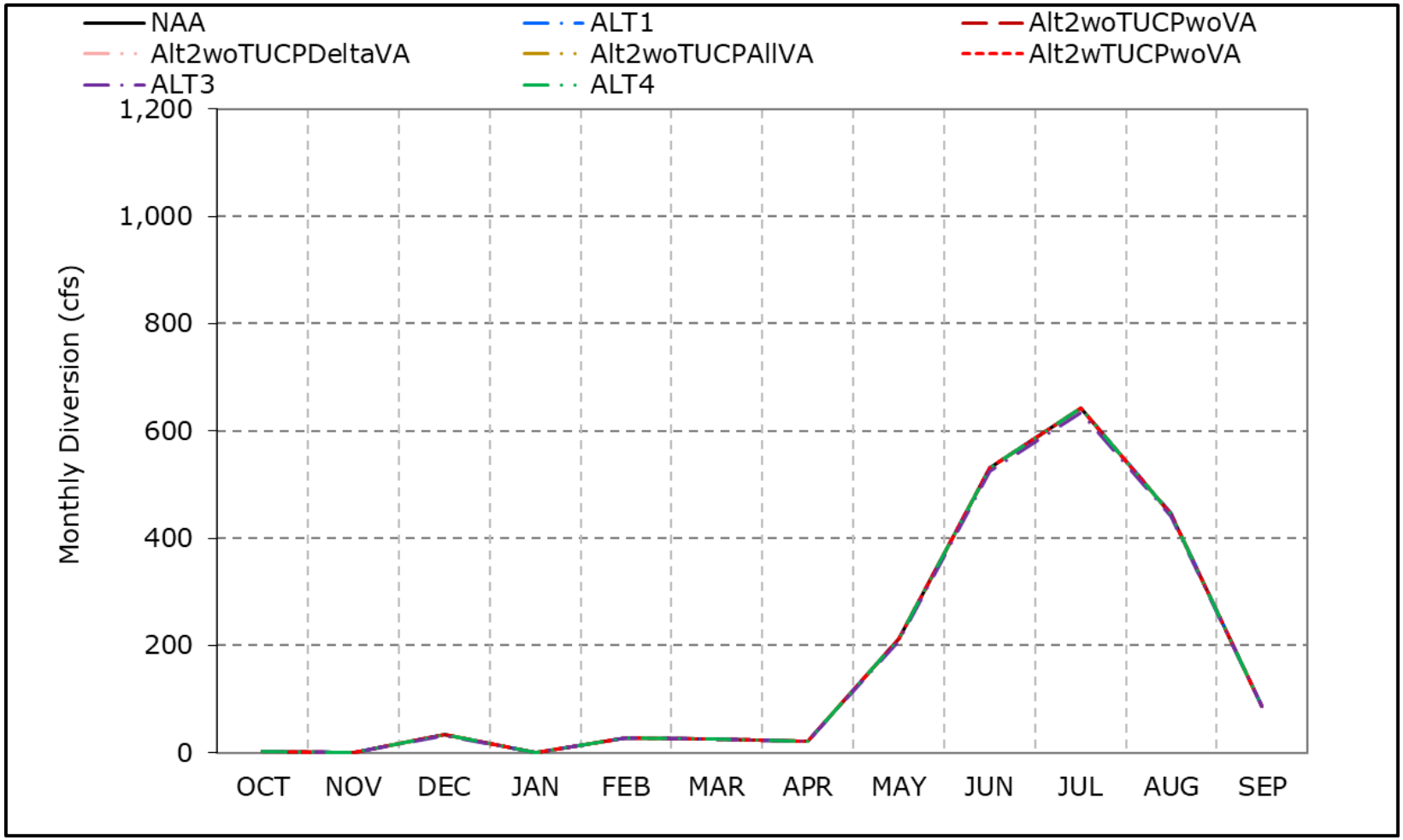
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-6-3. Madera Canal Diversion, Above Normal Year Average Diversion



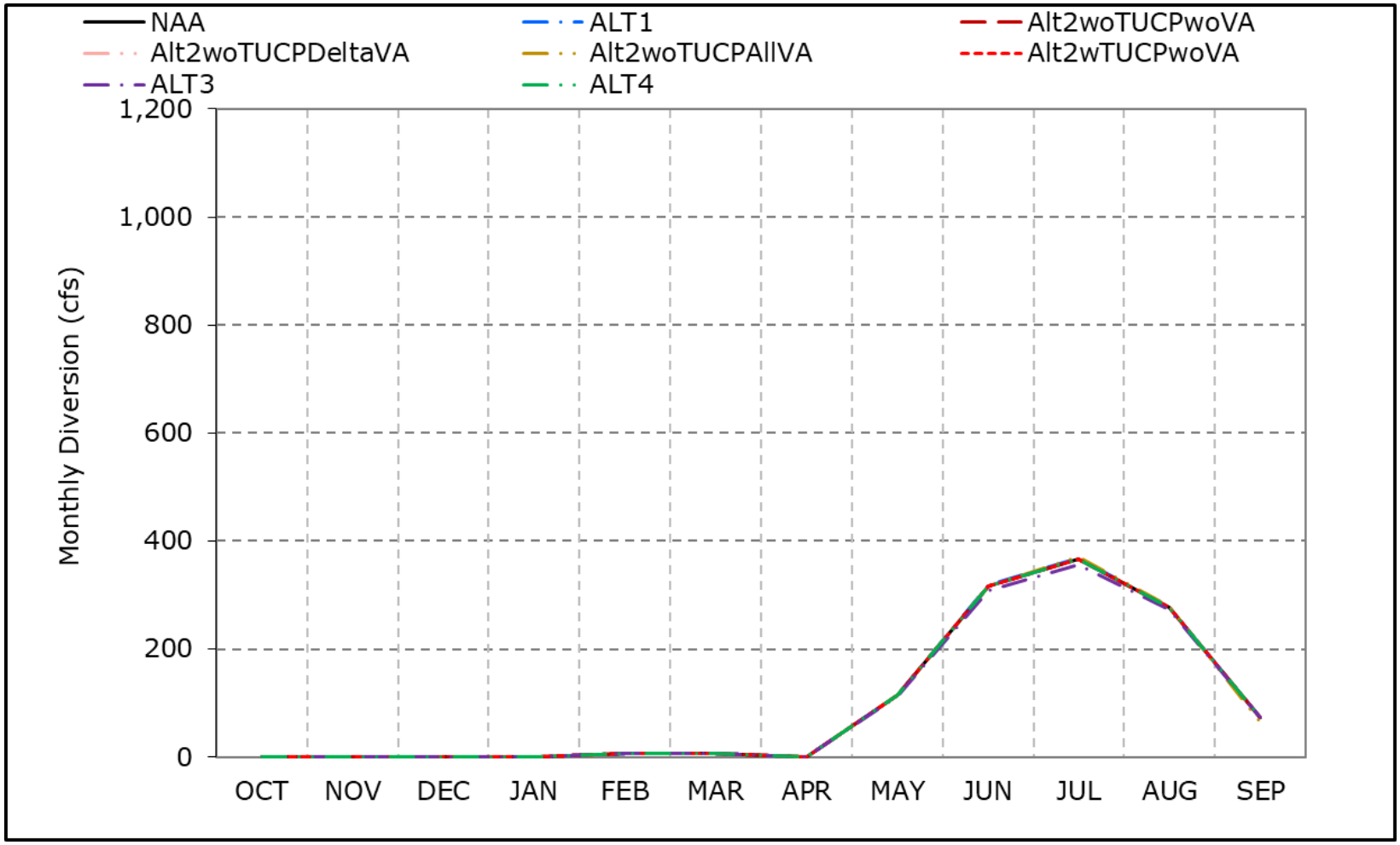
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-6-4. Madera Canal Diversion, Below Normal Year Average Diversion



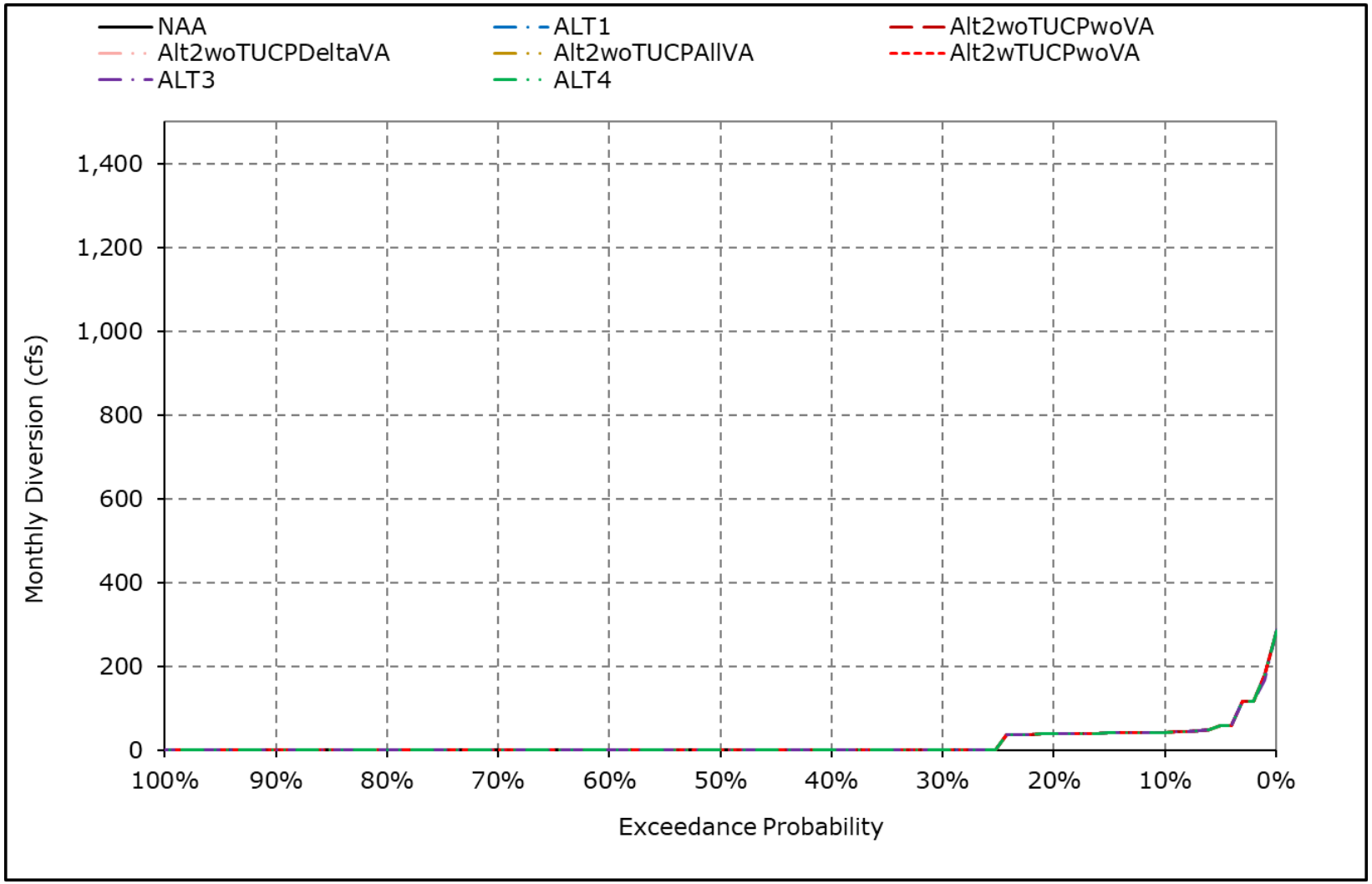
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-6-5. Madera Canal Diversion, Dry Year Average Diversion



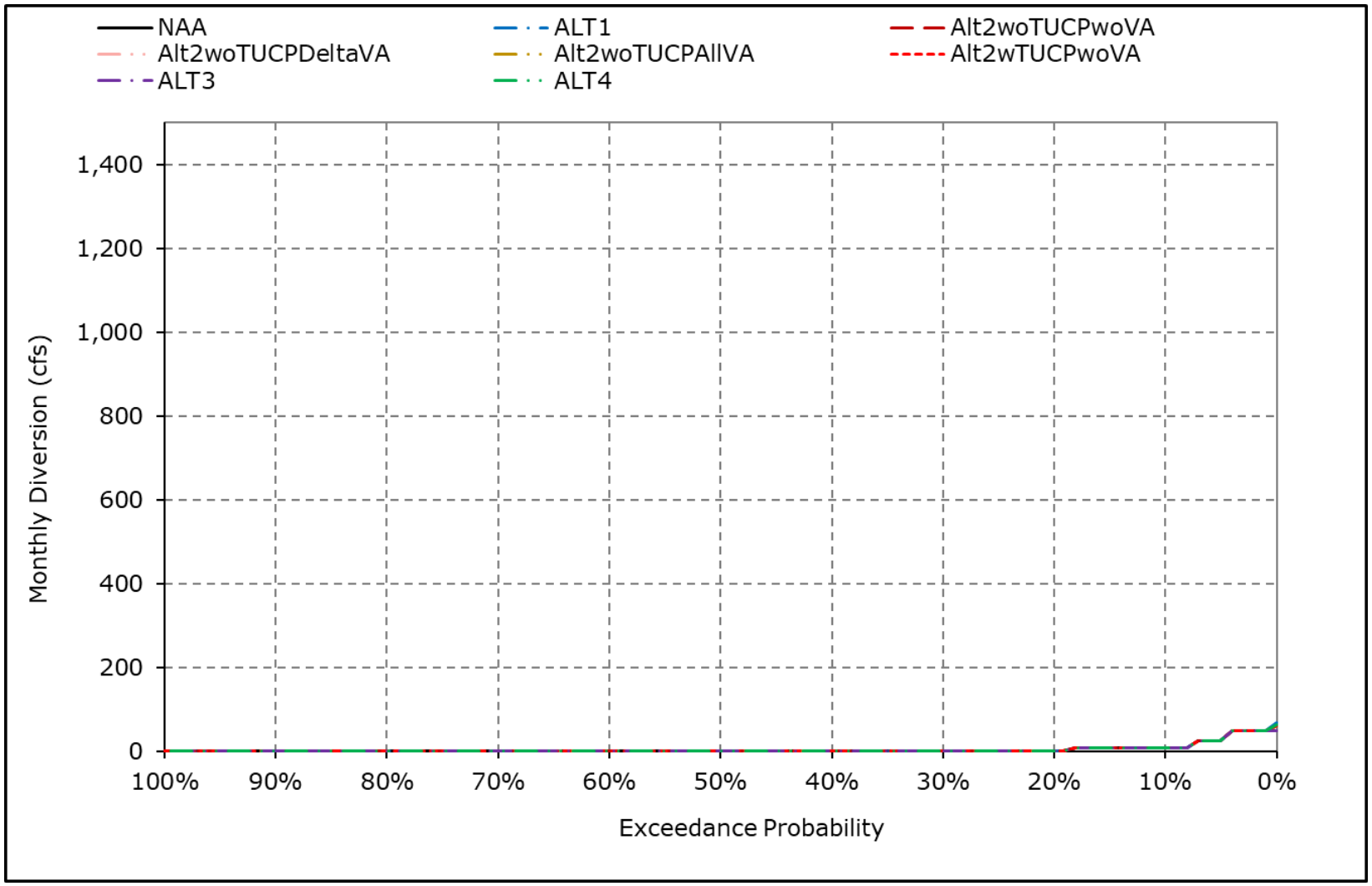
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-6-6. Madera Canal Diversion, Critical Year Average Diversion



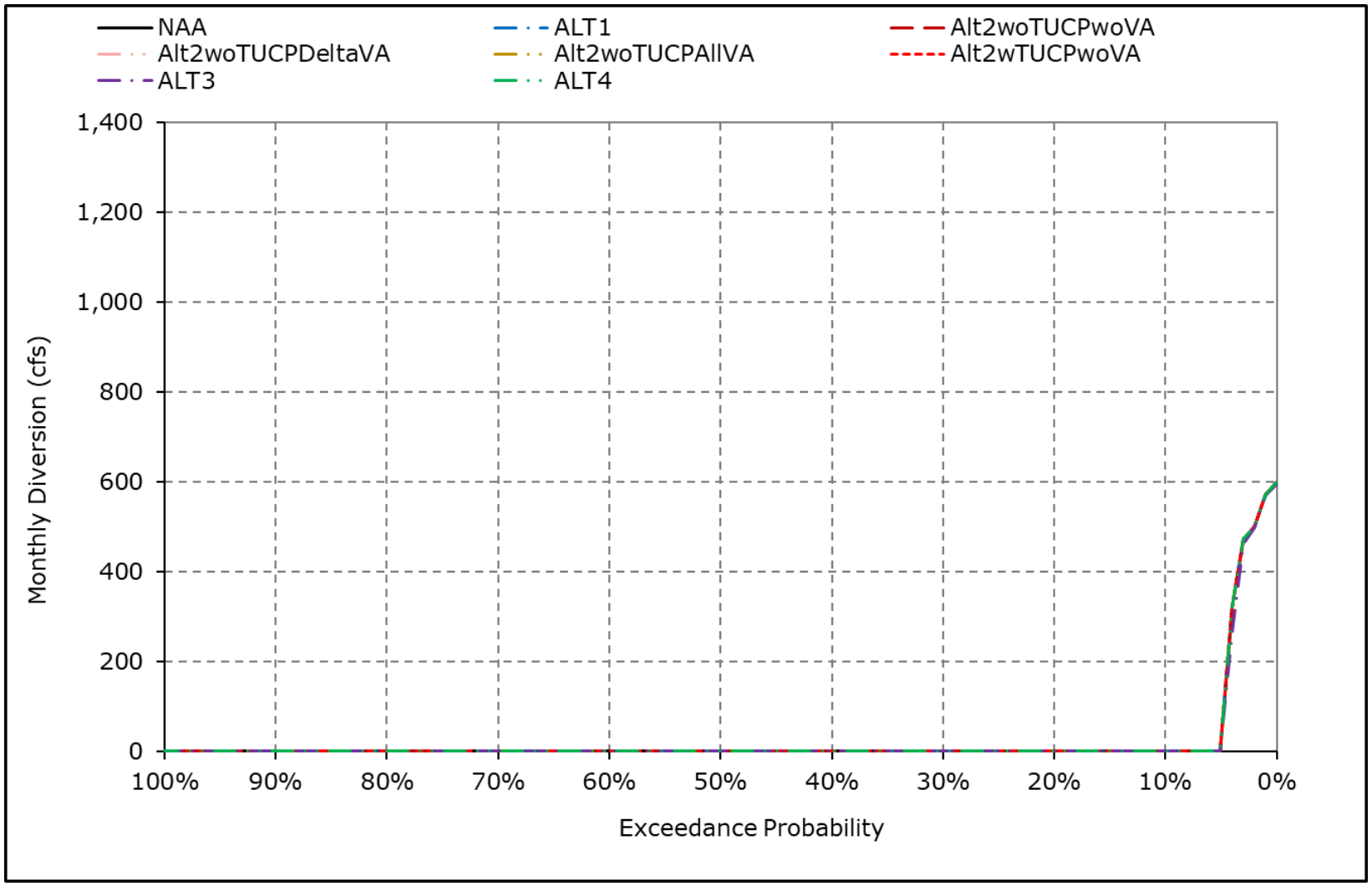
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-6-7. Madera Canal Diversion, October



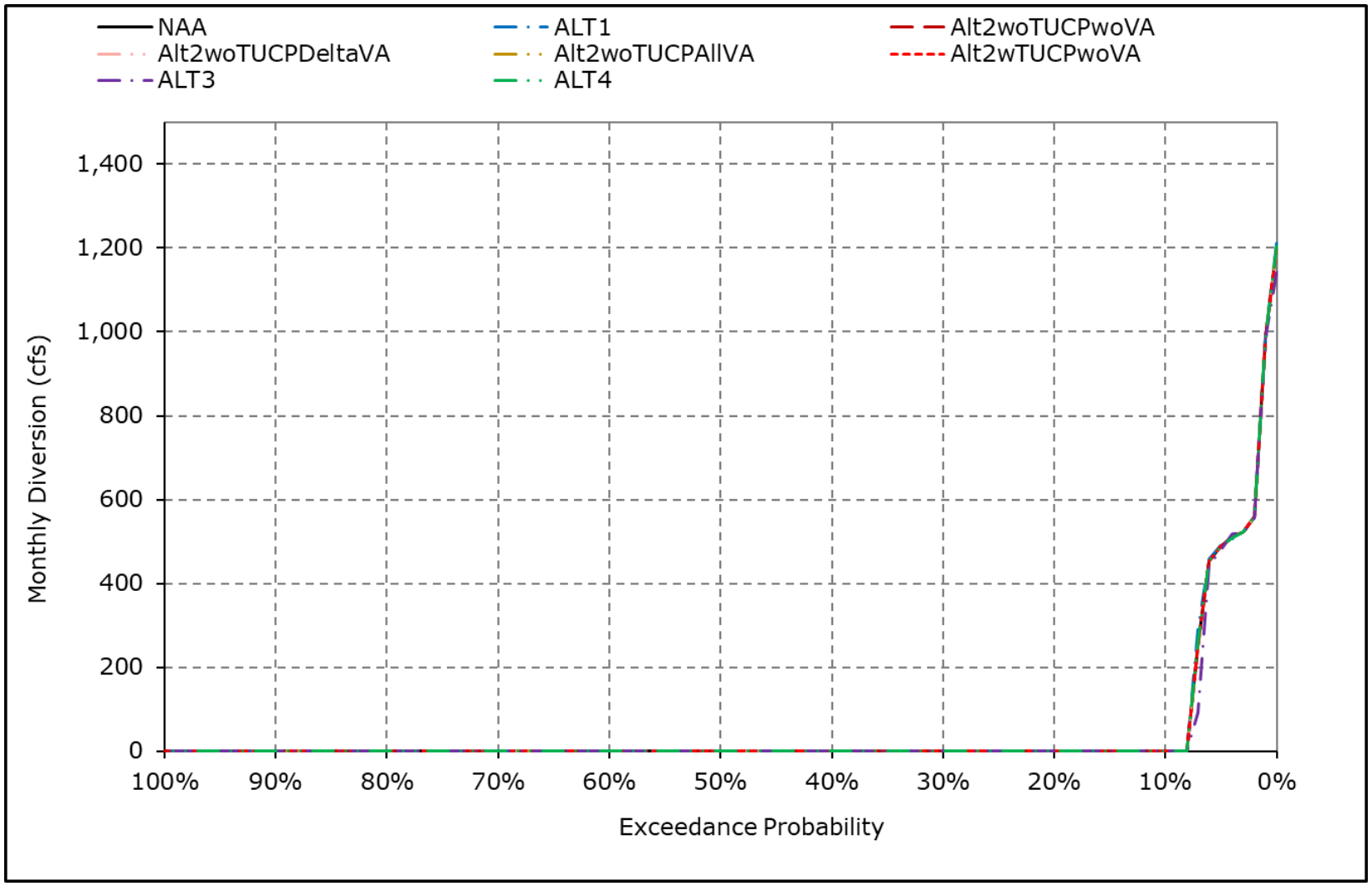
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-6-8. Madera Canal Diversion, November



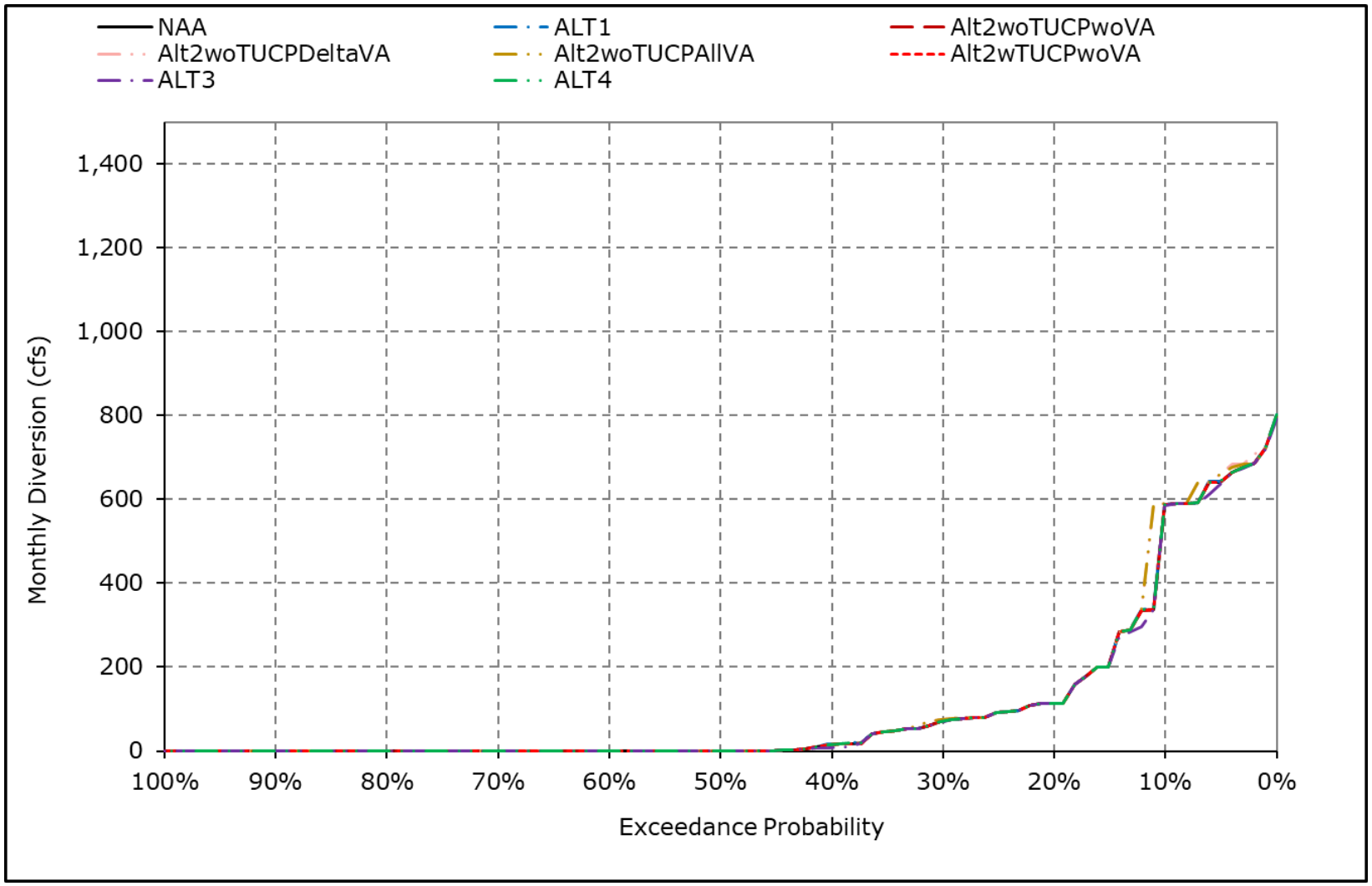
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-6-9. Madera Canal Diversion, December



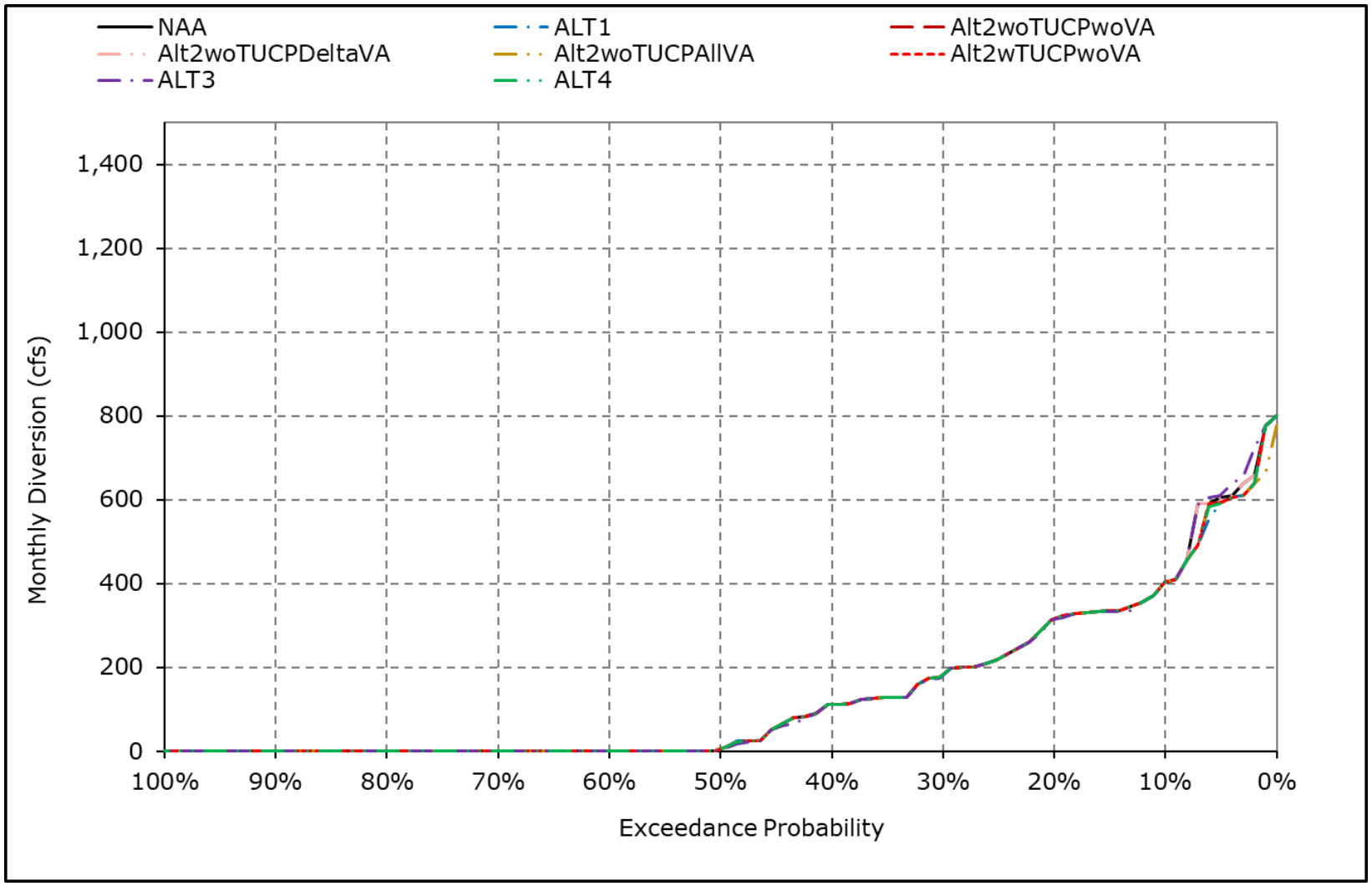
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-6-10. Madera Canal Diversion, January



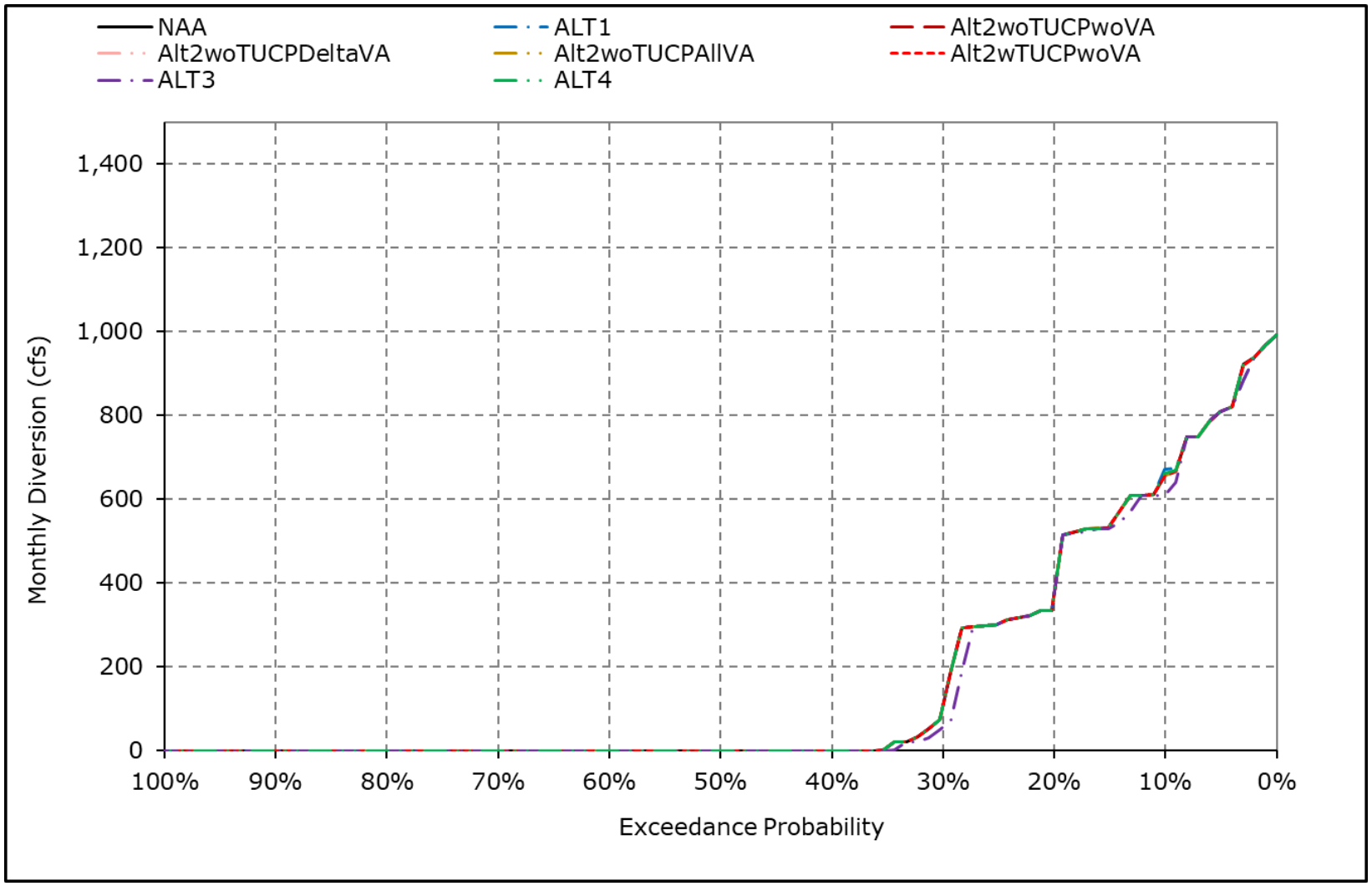
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-6-11. Madera Canal Diversion, February



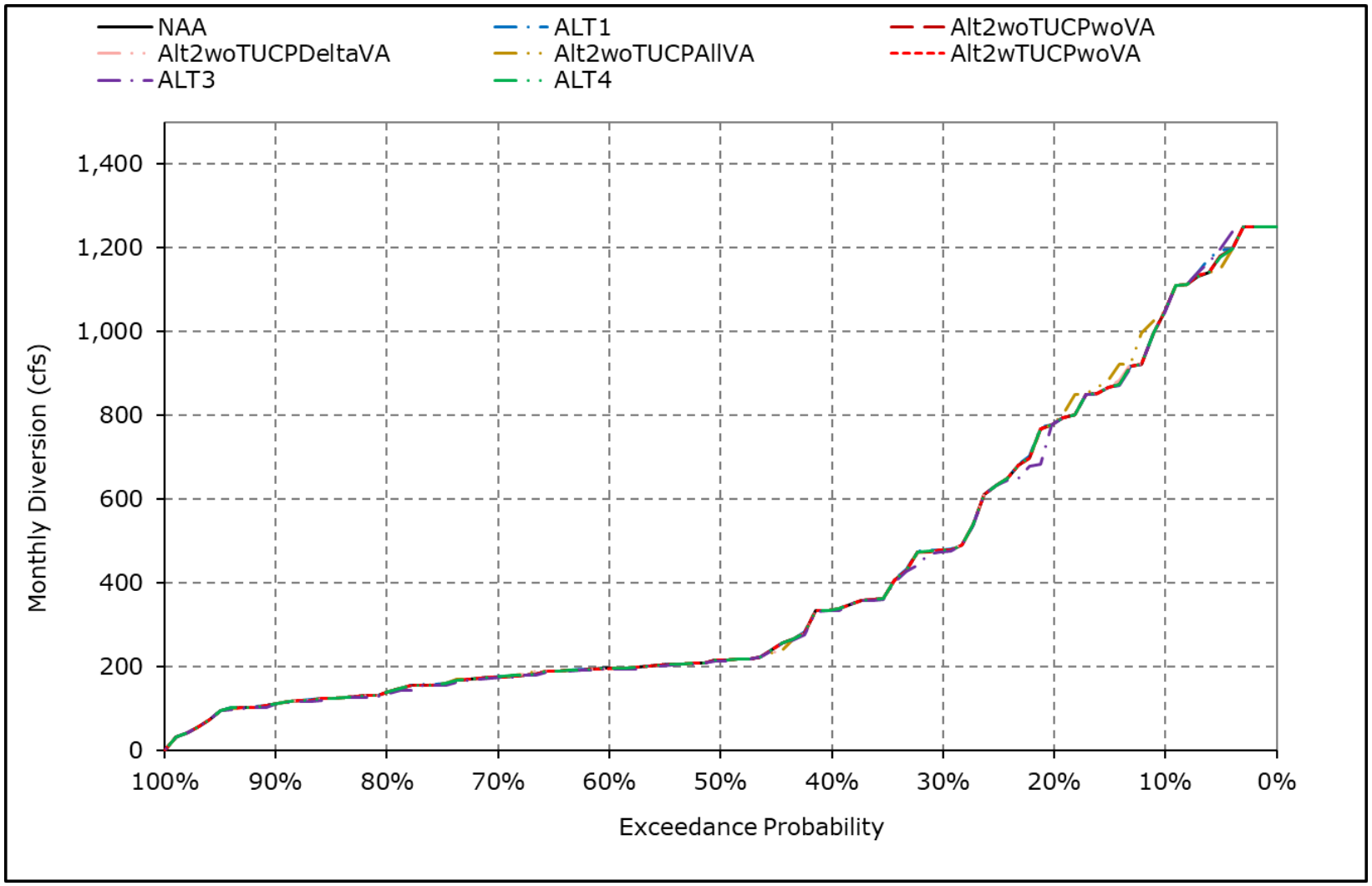
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-6-12. Madera Canal Diversion, March



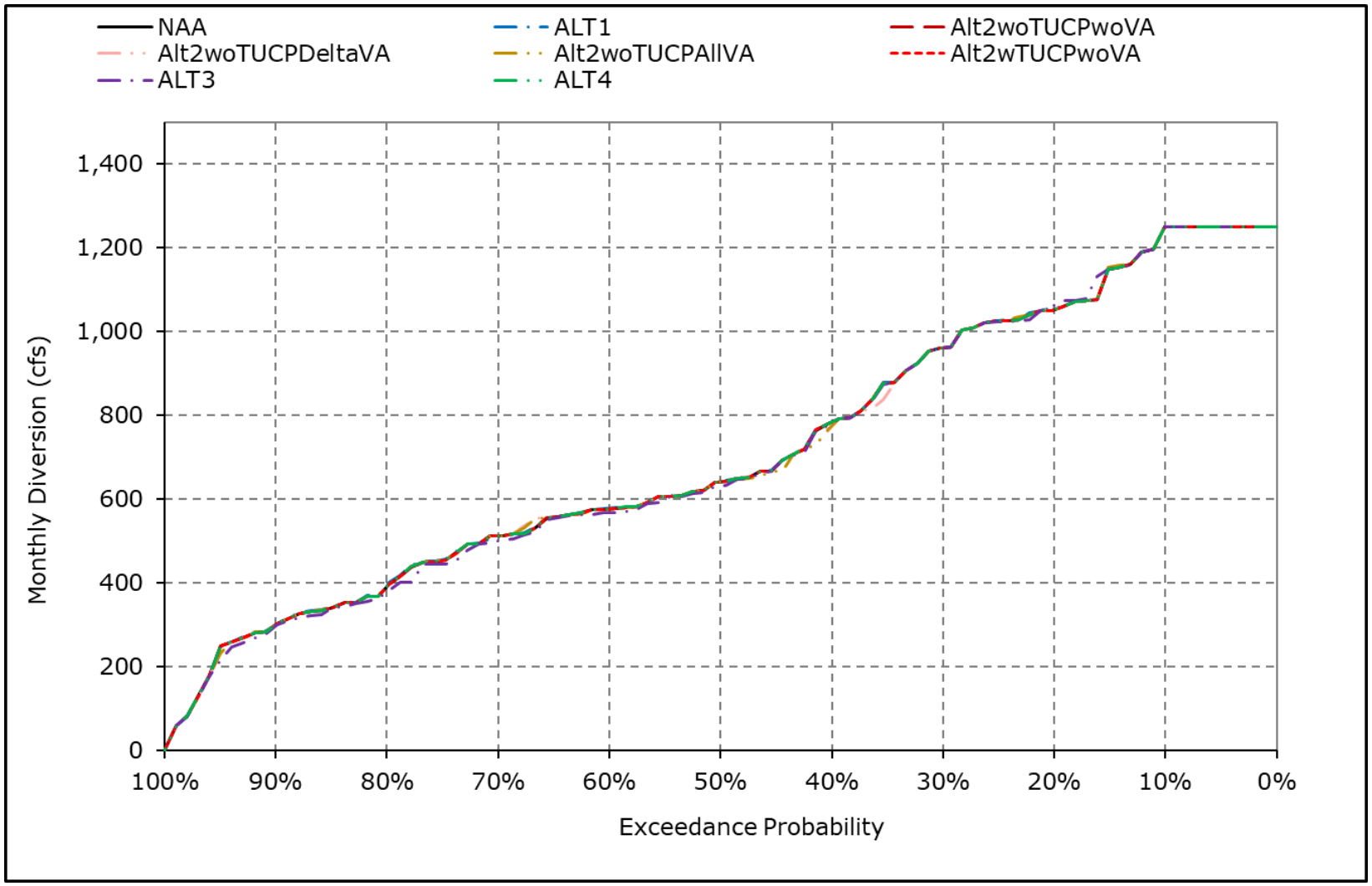
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-6-13. Madera Canal Diversion, April



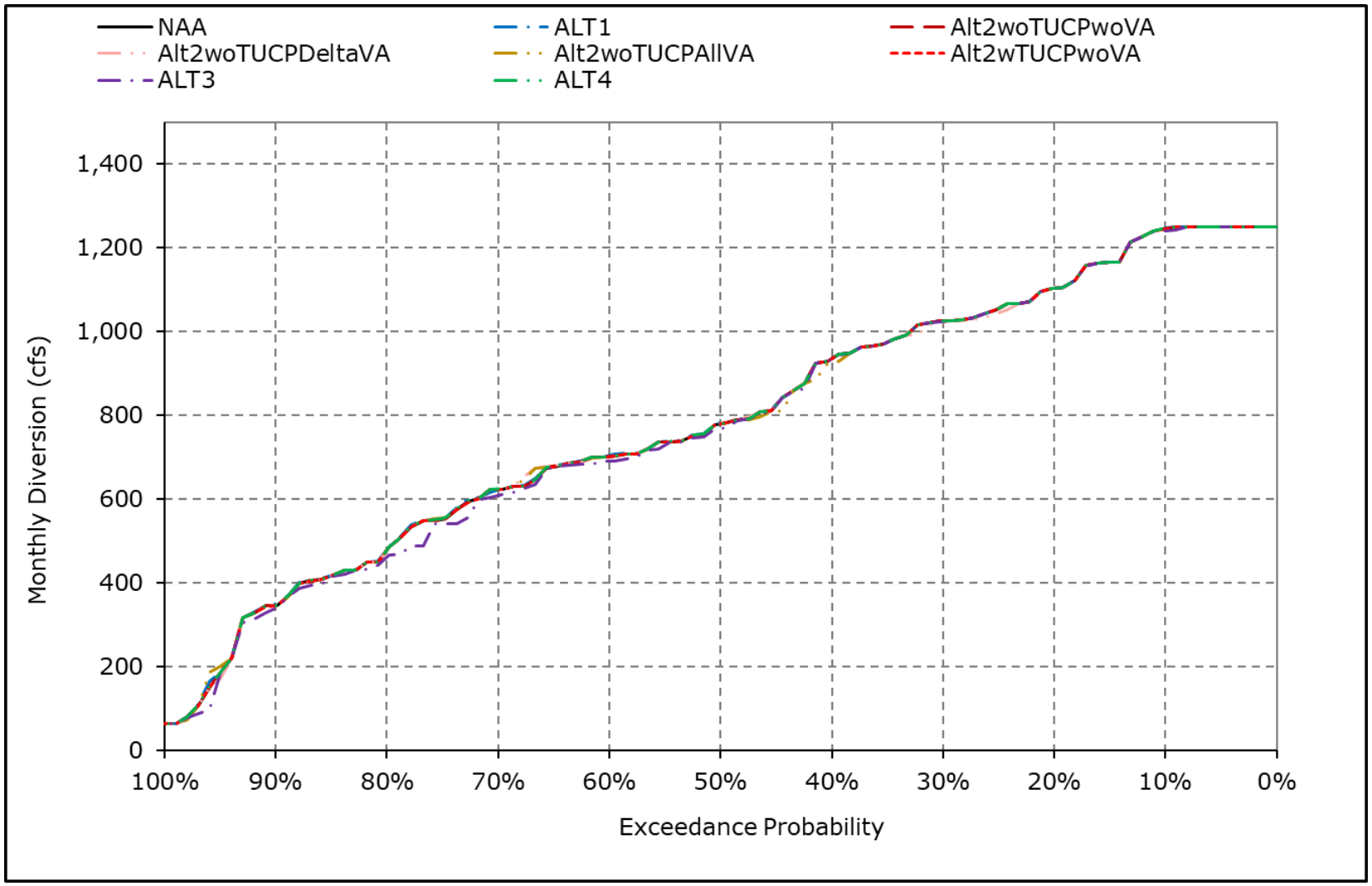
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-6-14. Madera Canal Diversion, May



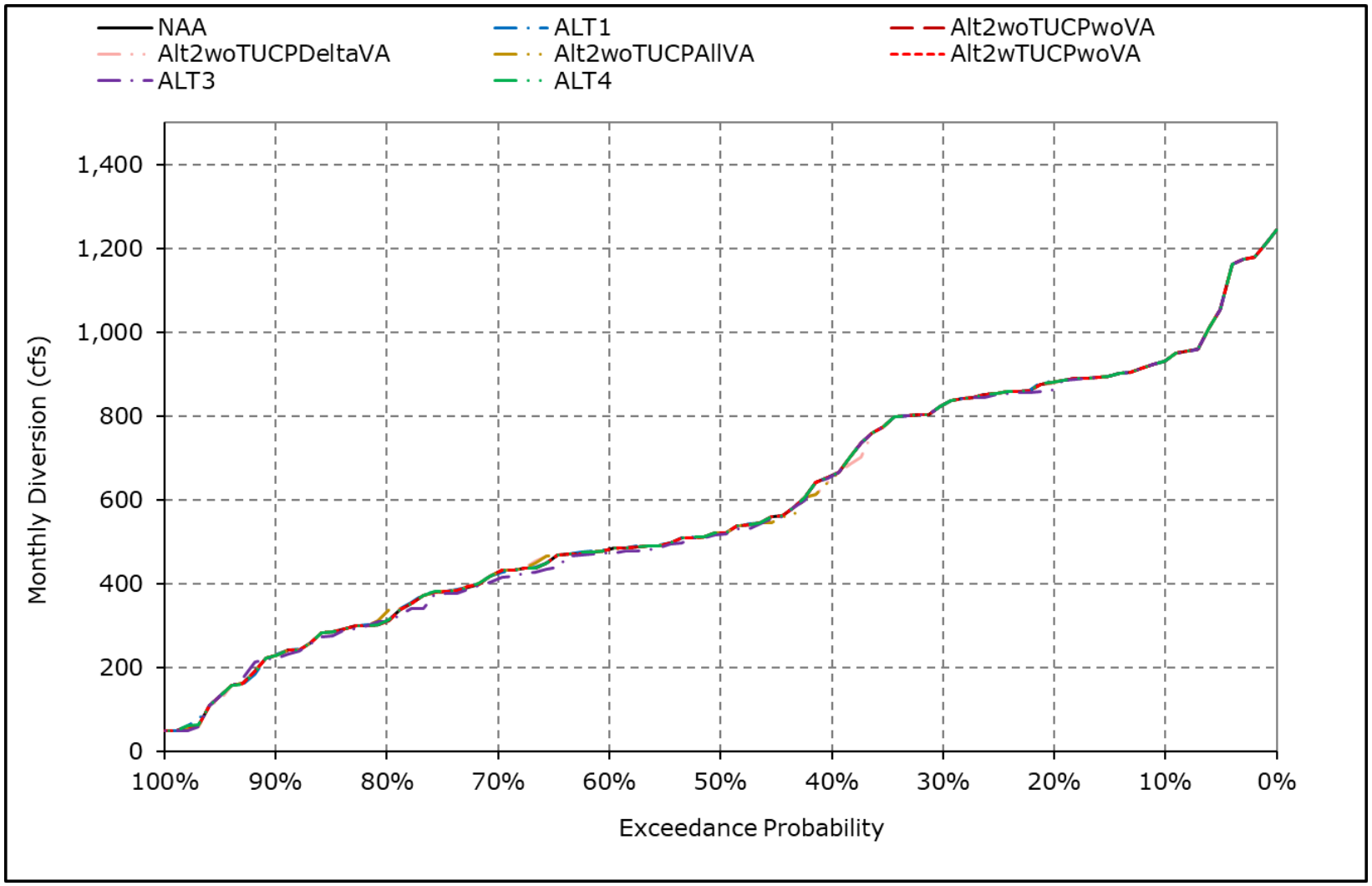
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-6-15. Madera Canal Diversion, June



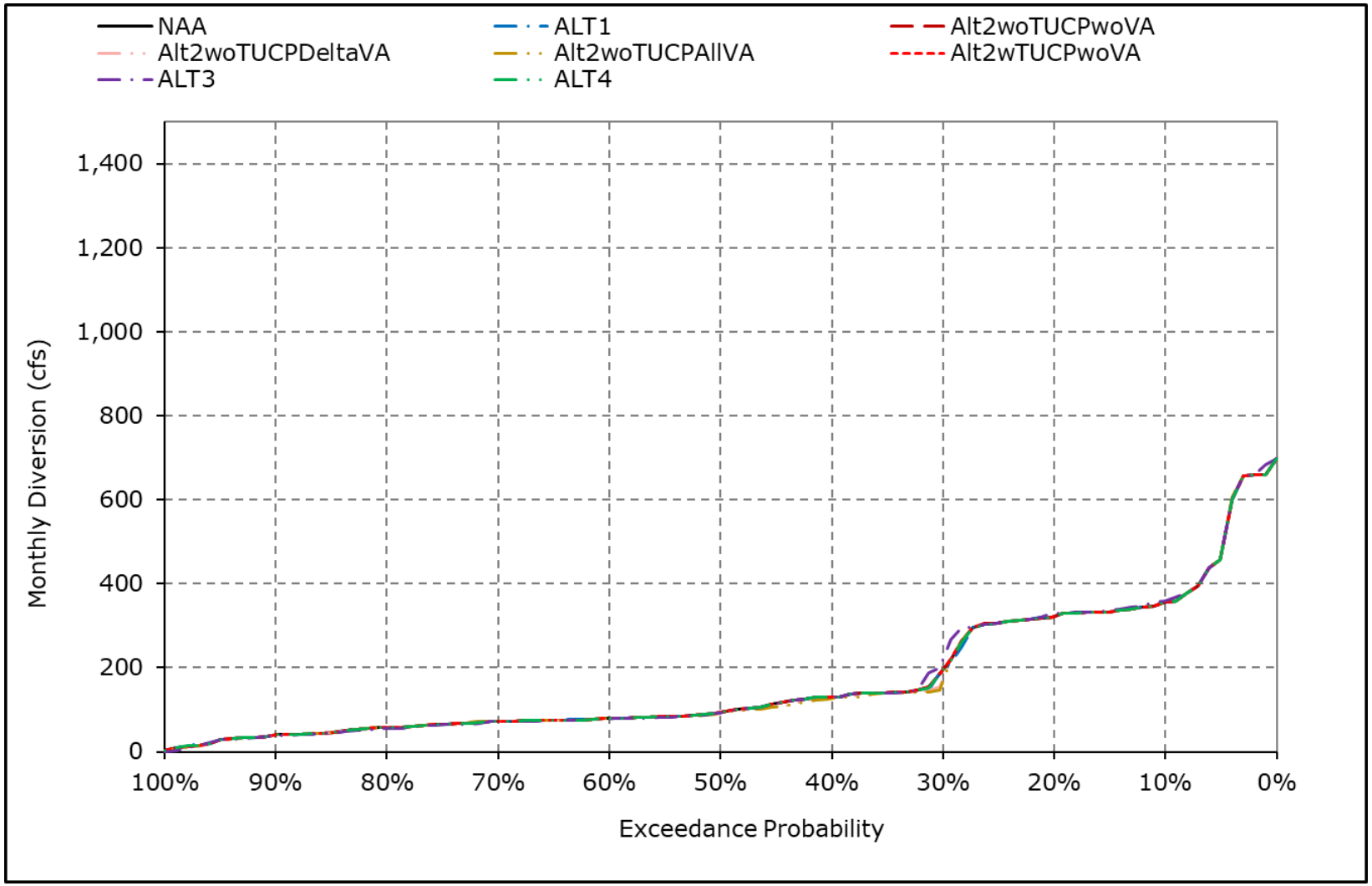
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-6-16. Madera Canal Diversion, July



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

Figure F.2.3-6-17. Madera Canal Diversion, August



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

Figure F.2.3-6-18. Madera Canal Diversion, September

Table F.2.3-7-1a. Delta Cross Channel Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,784	1,886	0	0	0	0	0	0	2,681	4,748	3,842	4,107
20% Exceedance	2,626	1,847	0	0	0	0	0	0	2,555	4,521	3,688	3,918
30% Exceedance	2,451	1,765	0	0	0	0	0	0	2,503	4,306	3,567	3,379
40% Exceedance	2,221	1,670	0	0	0	0	0	0	2,435	3,937	3,462	3,050
50% Exceedance	2,005	1,490	0	0	0	0	0	0	2,383	3,668	3,246	2,419
60% Exceedance	1,778	1,344	0	0	0	0	0	0	2,295	3,434	2,723	2,213
70% Exceedance	0	1,081	0	0	0	0	0	0	2,142	3,138	2,314	2,120
80% Exceedance	0	0	0	0	0	0	0	0	2,000	2,728	2,027	1,987
90% Exceedance	0	0	0	0	0	0	0	0	1,377	1,749	1,790	1,768
Full Simulation Period Average[a]	1,537	1,236	0	0	0	0	0	0	2,280	3,541	2,928	2,790
Wet Water Years (28%)	2,216	1,453	0	0	0	0	0	0	2,349	4,018	3,563	3,713
Above Normal Water Years (14%)	2,476	1,662	0	0	0	0	0	0	2,557	4,182	3,794	3,625
Below Normal Water Years (18%)	1,681	1,289	0	0	0	0	0	0	2,392	4,113	3,171	2,443
Dry Water Years (24%)	788	880	0	0	0	0	0	0	2,425	3,283	2,304	2,152
Critical Water Years (16%)	355	915	0	0	0	0	0	0	1,575	1,890	1,723	1,790

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

Table F.2.3-7-1b. Delta Cross Channel Flow, Alternative 1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,097	2,133	2,078	1,411	0	0	0	0	3,258	4,261	3,463	3,564
20% Exceedance	2,928	1,877	1,690	1,034	0	0	0	0	3,098	4,100	3,364	3,293
30% Exceedance	2,658	1,697	1,539	908	0	0	0	0	2,869	4,000	3,266	3,000
40% Exceedance	2,445	1,568	1,233	775	0	0	0	0	2,705	3,773	3,221	2,843
50% Exceedance	2,184	1,483	1,052	0	0	0	0	0	2,497	3,621	3,077	2,358
60% Exceedance	1,991	1,308	963	0	0	0	0	0	2,400	3,377	2,438	2,098
70% Exceedance	1,793	0	0	0	0	0	0	0	2,275	3,090	2,108	1,979
80% Exceedance	0	0	0	0	0	0	0	0	2,073	2,781	1,965	1,874
90% Exceedance	0	0	0	0	0	0	0	0	1,725	2,225	1,757	1,751
Full Simulation Period Average[a]	1,888	1,178	984	519	0	0	0	0	2,527	3,440	2,735	2,500
Wet Water Years (28%)	2,952	1,521	1,017	42	0	0	0	0	2,597	3,803	3,226	3,078
Above Normal Water Years (14%)	2,701	1,490	1,097	281	0	0	0	0	3,012	4,185	3,387	3,111
Below Normal Water Years (18%)	1,851	1,434	711	507	0	0	0	0	2,816	3,756	3,008	2,627
Dry Water Years (24%)	1,131	800	919	1,006	0	0	0	0	2,446	3,194	2,249	2,010
Critical Water Years (16%)	342	525	1,239	845	0	0	0	0	1,775	2,166	1,726	1,549

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

Table F.2.3-7-1c. Delta Cross Channel Flow, Alternative 1 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	312	247	2,078	1,411	0	0	0	0	577	-487	-379	-543
20% Exceedance	302	29	1,690	1,034	0	0	0	0	543	-421	-324	-624
30% Exceedance	207	-68	1,539	908	0	0	0	0	366	-306	-301	-379
40% Exceedance	225	-103	1,233	775	0	0	0	0	270	-164	-241	-207
50% Exceedance	179	-8	1,052	0	0	0	0	0	114	-47	-169	-60
60% Exceedance	213	-36	963	0	0	0	0	0	105	-58	-284	-115
70% Exceedance	1,793	-1,081	0	0	0	0	0	0	133	-48	-206	-140
80% Exceedance	0	0	0	0	0	0	0	0	73	53	-62	-112
90% Exceedance	0	0	0	0	0	0	0	0	348	476	-33	-17
Full Simulation Period Average[a]	351	-58	984	519	0	0	0	0	246	-101	-194	-289
Wet Water Years (28%)	736	67	1,017	42	0	0	0	0	248	-215	-337	-635
Above Normal Water Years (14%)	226	-172	1,097	281	0	0	0	0	454	4	-408	-515
Below Normal Water Years (18%)	170	145	711	507	0	0	0	0	424	-357	-163	185
Dry Water Years (24%)	343	-80	919	1,006	0	0	0	0	22	-88	-55	-142
Critical Water Years (16%)	-14	-389	1,239	845	0	0	0	0	200	276	3	-242

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

Table F.2.3-7-2a. Delta Cross Channel Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,784	1,886	0	0	0	0	0	0	2,681	4,748	3,842	4,107
20% Exceedance	2,626	1,847	0	0	0	0	0	0	2,555	4,521	3,688	3,918
30% Exceedance	2,451	1,765	0	0	0	0	0	0	2,503	4,306	3,567	3,379
40% Exceedance	2,221	1,670	0	0	0	0	0	0	2,435	3,937	3,462	3,050
50% Exceedance	2,005	1,490	0	0	0	0	0	0	2,383	3,668	3,246	2,419
60% Exceedance	1,778	1,344	0	0	0	0	0	0	2,295	3,434	2,723	2,213
70% Exceedance	0	1,081	0	0	0	0	0	0	2,142	3,138	2,314	2,120
80% Exceedance	0	0	0	0	0	0	0	0	2,000	2,728	2,027	1,987
90% Exceedance	0	0	0	0	0	0	0	0	1,377	1,749	1,790	1,768
Full Simulation Period Average[a]	1,537	1,236	0	0	0	0	0	0	2,280	3,541	2,928	2,790
Wet Water Years (28%)	2,216	1,453	0	0	0	0	0	0	2,349	4,018	3,563	3,713
Above Normal Water Years (14%)	2,476	1,662	0	0	0	0	0	0	2,557	4,182	3,794	3,625
Below Normal Water Years (18%)	1,681	1,289	0	0	0	0	0	0	2,392	4,113	3,171	2,443
Dry Water Years (24%)	788	880	0	0	0	0	0	0	2,425	3,283	2,304	2,152
Critical Water Years (16%)	355	915	0	0	0	0	0	0	1,575	1,890	1,723	1,790

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

Table F.2.3-7-2b. Delta Cross Channel Flow, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,843	1,939	0	0	0	0	0	0	2,744	4,555	3,854	4,212
20% Exceedance	2,632	1,839	0	0	0	0	0	0	2,545	4,382	3,639	3,762
30% Exceedance	2,359	1,765	0	0	0	0	0	0	2,437	4,208	3,559	3,410
40% Exceedance	2,183	1,671	0	0	0	0	0	0	2,388	3,830	3,451	3,144
50% Exceedance	1,997	1,450	0	0	0	0	0	0	2,326	3,710	3,228	2,441
60% Exceedance	1,763	1,292	0	0	0	0	0	0	2,288	3,371	2,628	2,223
70% Exceedance	0	1,065	0	0	0	0	0	0	2,209	3,002	2,164	2,089
80% Exceedance	0	386	0	0	0	0	0	0	2,033	2,547	1,911	1,983
90% Exceedance	0	0	0	0	0	0	0	0	1,706	2,136	1,725	1,779
Full Simulation Period Average[a]	1,517	1,242	0	0	0	0	0	0	2,293	3,486	2,895	2,796
Wet Water Years (28%)	2,185	1,453	0	0	0	0	0	0	2,380	3,938	3,522	3,727
Above Normal Water Years (14%)	2,714	1,665	0	0	0	0	0	0	2,567	4,070	3,770	3,770
Below Normal Water Years (18%)	1,544	1,271	0	0	0	0	0	0	2,391	3,989	3,157	2,468
Dry Water Years (24%)	781	855	0	0	0	0	0	0	2,340	3,166	2,263	2,141
Critical Water Years (16%)	217	1,010	0	0	0	0	0	0	1,721	2,097	1,686	1,665

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

Table F.2.3-7-2c. Delta Cross Channel Flow, Alt2woTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59	53	0	0	0	0	0	0	63	-193	12	105
20% Exceedance	6	-8	0	0	0	0	0	0	-10	-138	-49	-155
30% Exceedance	-92	0	0	0	0	0	0	0	-66	-98	-8	32
40% Exceedance	-38	0	0	0	0	0	0	0	-47	-108	-11	94
50% Exceedance	-8	-40	0	0	0	0	0	0	-56	42	-19	22
60% Exceedance	-15	-53	0	0	0	0	0	0	-8	-63	-94	10
70% Exceedance	0	-16	0	0	0	0	0	0	67	-136	-150	-31
80% Exceedance	0	386	0	0	0	0	0	0	34	-180	-115	-3
90% Exceedance	0	0	0	0	0	0	0	0	330	387	-65	11
Full Simulation Period Average[a]	-20	6	0	0	0	0	0	0	13	-55	-33	6
Wet Water Years (28%)	-31	-1	0	0	0	0	0	0	30	-80	-41	13
Above Normal Water Years (14%)	238	3	0	0	0	0	0	0	10	-111	-24	145
Below Normal Water Years (18%)	-137	-18	0	0	0	0	0	0	-1	-123	-15	25
Dry Water Years (24%)	-7	-24	0	0	0	0	0	0	-85	-116	-41	-10
Critical Water Years (16%)	-138	96	0	0	0	0	0	0	146	207	-37	-125

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

Table F.2.3-7-3a. Delta Cross Channel Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,784	1,886	0	0	0	0	0	0	2,681	4,748	3,842	4,107
20% Exceedance	2,626	1,847	0	0	0	0	0	0	2,555	4,521	3,688	3,918
30% Exceedance	2,451	1,765	0	0	0	0	0	0	2,503	4,306	3,567	3,379
40% Exceedance	2,221	1,670	0	0	0	0	0	0	2,435	3,937	3,462	3,050
50% Exceedance	2,005	1,490	0	0	0	0	0	0	2,383	3,668	3,246	2,419
60% Exceedance	1,778	1,344	0	0	0	0	0	0	2,295	3,434	2,723	2,213
70% Exceedance	0	1,081	0	0	0	0	0	0	2,142	3,138	2,314	2,120
80% Exceedance	0	0	0	0	0	0	0	0	2,000	2,728	2,027	1,987
90% Exceedance	0	0	0	0	0	0	0	0	1,377	1,749	1,790	1,768
Full Simulation Period Average[a]	1,537	1,236	0	0	0	0	0	0	2,280	3,541	2,928	2,790
Wet Water Years (28%)	2,216	1,453	0	0	0	0	0	0	2,349	4,018	3,563	3,713
Above Normal Water Years (14%)	2,476	1,662	0	0	0	0	0	0	2,557	4,182	3,794	3,625
Below Normal Water Years (18%)	1,681	1,289	0	0	0	0	0	0	2,392	4,113	3,171	2,443
Dry Water Years (24%)	788	880	0	0	0	0	0	0	2,425	3,283	2,304	2,152
Critical Water Years (16%)	355	915	0	0	0	0	0	0	1,575	1,890	1,723	1,790

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

Table F.2.3-7-3b. Delta Cross Channel Flow, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,843	1,940	0	0	0	0	0	0	2,646	4,563	3,821	4,263
20% Exceedance	2,647	1,868	0	0	0	0	0	0	2,527	4,405	3,691	3,826
30% Exceedance	2,505	1,803	0	0	0	0	0	0	2,429	4,224	3,549	3,482
40% Exceedance	2,244	1,713	0	0	0	0	0	0	2,387	3,884	3,454	3,083
50% Exceedance	1,996	1,466	0	0	0	0	0	0	2,322	3,642	3,225	2,473
60% Exceedance	1,715	1,320	0	0	0	0	0	0	2,273	3,367	2,913	2,200
70% Exceedance	0	1,120	0	0	0	0	0	0	2,183	3,103	2,313	2,081
80% Exceedance	0	367	0	0	0	0	0	0	2,041	2,678	2,036	1,973
90% Exceedance	0	0	0	0	0	0	0	0	1,674	2,166	1,784	1,770
Full Simulation Period Average[a]	1,526	1,266	0	0	0	0	0	0	2,286	3,538	2,954	2,812
Wet Water Years (28%)	2,186	1,476	0	0	0	0	0	0	2,374	3,950	3,521	3,756
Above Normal Water Years (14%)	2,706	1,692	0	0	0	0	0	0	2,529	4,113	3,763	3,846
Below Normal Water Years (18%)	1,592	1,295	0	0	0	0	0	0	2,405	3,994	3,283	2,448
Dry Water Years (24%)	785	865	0	0	0	0	0	0	2,320	3,258	2,383	2,135
Critical Water Years (16%)	223	1,052	0	0	0	0	0	0	1,735	2,223	1,739	1,683

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

Table F.2.3-7-3c. Delta Cross Channel Flow, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59	54	0	0	0	0	0	0	-36	-185	-21	155
20% Exceedance	21	21	0	0	0	0	0	0	-28	-116	2	-91
30% Exceedance	54	38	0	0	0	0	0	0	-74	-82	-18	103
40% Exceedance	23	42	0	0	0	0	0	0	-48	-53	-8	33
50% Exceedance	-9	-24	0	0	0	0	0	0	-61	-26	-21	55
60% Exceedance	-63	-24	0	0	0	0	0	0	-23	-67	190	-14
70% Exceedance	0	39	0	0	0	0	0	0	41	-36	-1	-39
80% Exceedance	0	367	0	0	0	0	0	0	41	-50	9	-14
90% Exceedance	0	0	0	0	0	0	0	0	298	417	-6	2
Full Simulation Period Average[a]	-11	29	0	0	0	0	0	0	6	-3	25	23
Wet Water Years (28%)	-30	22	0	0	0	0	0	0	25	-68	-42	42
Above Normal Water Years (14%)	231	31	0	0	0	0	0	0	-28	-69	-32	220
Below Normal Water Years (18%)	-90	7	0	0	0	0	0	0	13	-119	111	5
Dry Water Years (24%)	-4	-15	0	0	0	0	0	0	-104	-24	79	-17
Critical Water Years (16%)	-132	138	0	0	0	0	0	0	159	332	16	-107

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

Table F.2.3-7-4a. Delta Cross Channel Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,784	1,886	0	0	0	0	0	0	2,681	4,748	3,842	4,107
20% Exceedance	2,626	1,847	0	0	0	0	0	0	2,555	4,521	3,688	3,918
30% Exceedance	2,451	1,765	0	0	0	0	0	0	2,503	4,306	3,567	3,379
40% Exceedance	2,221	1,670	0	0	0	0	0	0	2,435	3,937	3,462	3,050
50% Exceedance	2,005	1,490	0	0	0	0	0	0	2,383	3,668	3,246	2,419
60% Exceedance	1,778	1,344	0	0	0	0	0	0	2,295	3,434	2,723	2,213
70% Exceedance	0	1,081	0	0	0	0	0	0	2,142	3,138	2,314	2,120
80% Exceedance	0	0	0	0	0	0	0	0	2,000	2,728	2,027	1,987
90% Exceedance	0	0	0	0	0	0	0	0	1,377	1,749	1,790	1,768
Full Simulation Period Average[a]	1,537	1,236	0	0	0	0	0	0	2,280	3,541	2,928	2,790
Wet Water Years (28%)	2,216	1,453	0	0	0	0	0	0	2,349	4,018	3,563	3,713
Above Normal Water Years (14%)	2,476	1,662	0	0	0	0	0	0	2,557	4,182	3,794	3,625
Below Normal Water Years (18%)	1,681	1,289	0	0	0	0	0	0	2,392	4,113	3,171	2,443
Dry Water Years (24%)	788	880	0	0	0	0	0	0	2,425	3,283	2,304	2,152
Critical Water Years (16%)	355	915	0	0	0	0	0	0	1,575	1,890	1,723	1,790

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

Table F.2.3-7-4b. Delta Cross Channel Flow, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,824	1,988	0	0	0	0	0	0	2,636	4,618	3,828	4,270
20% Exceedance	2,670	1,866	0	0	0	0	0	0	2,472	4,465	3,672	3,746
30% Exceedance	2,541	1,800	0	0	0	0	0	0	2,410	4,216	3,534	3,433
40% Exceedance	2,249	1,688	0	0	0	0	0	0	2,336	3,955	3,464	3,174
50% Exceedance	2,014	1,432	0	0	0	0	0	0	2,314	3,670	3,253	2,461
60% Exceedance	1,649	1,325	0	0	0	0	0	0	2,254	3,322	2,901	2,214
70% Exceedance	0	1,063	0	0	0	0	0	0	2,142	3,101	2,275	2,080
80% Exceedance	0	650	0	0	0	0	0	0	2,018	2,646	2,071	1,973
90% Exceedance	0	0	0	0	0	0	0	0	1,678	2,165	1,761	1,784
Full Simulation Period Average[a]	1,529	1,268	0	0	0	0	0	0	2,259	3,533	2,957	2,806
Wet Water Years (28%)	2,195	1,476	0	0	0	0	0	0	2,369	3,956	3,528	3,739
Above Normal Water Years (14%)	2,714	1,692	0	0	0	0	0	0	2,480	4,132	3,757	3,792
Below Normal Water Years (18%)	1,498	1,286	0	0	0	0	0	0	2,337	4,008	3,276	2,488
Dry Water Years (24%)	787	899	0	0	0	0	0	0	2,298	3,208	2,383	2,133
Critical Water Years (16%)	325	1,029	0	0	0	0	0	0	1,727	2,222	1,760	1,674

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

Table F.2.3-7-4c. Delta Cross Channel Flow, Alt2woTUCPAllVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	40	102	0	0	0	0	0	0	-45	-130	-14	163
20% Exceedance	44	18	0	0	0	0	0	0	-83	-55	-16	-172
30% Exceedance	90	35	0	0	0	0	0	0	-93	-90	-32	54
40% Exceedance	28	18	0	0	0	0	0	0	-98	18	3	124
50% Exceedance	8	-58	0	0	0	0	0	0	-68	2	7	42
60% Exceedance	-129	-19	0	0	0	0	0	0	-42	-112	178	1
70% Exceedance	0	-18	0	0	0	0	0	0	-1	-37	-39	-40
80% Exceedance	0	650	0	0	0	0	0	0	18	-82	44	-14
90% Exceedance	0	0	0	0	0	0	0	0	301	415	-29	16
Full Simulation Period Average[a]	-8	32	0	0	0	0	0	0	-21	-8	29	16
Wet Water Years (28%)	-21	22	0	0	0	0	0	0	20	-62	-35	26
Above Normal Water Years (14%)	238	30	0	0	0	0	0	0	-78	-49	-37	166
Below Normal Water Years (18%)	-183	-3	0	0	0	0	0	0	-55	-104	105	46
Dry Water Years (24%)	-1	19	0	0	0	0	0	0	-126	-75	79	-18
Critical Water Years (16%)	-30	114	0	0	0	0	0	0	151	332	37	-116

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

Table F.2.3-7-5a. Delta Cross Channel Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,784	1,886	0	0	0	0	0	0	2,681	4,748	3,842	4,107
20% Exceedance	2,626	1,847	0	0	0	0	0	0	2,555	4,521	3,688	3,918
30% Exceedance	2,451	1,765	0	0	0	0	0	0	2,503	4,306	3,567	3,379
40% Exceedance	2,221	1,670	0	0	0	0	0	0	2,435	3,937	3,462	3,050
50% Exceedance	2,005	1,490	0	0	0	0	0	0	2,383	3,668	3,246	2,419
60% Exceedance	1,778	1,344	0	0	0	0	0	0	2,295	3,434	2,723	2,213
70% Exceedance	0	1,081	0	0	0	0	0	0	2,142	3,138	2,314	2,120
80% Exceedance	0	0	0	0	0	0	0	0	2,000	2,728	2,027	1,987
90% Exceedance	0	0	0	0	0	0	0	0	1,377	1,749	1,790	1,768
Full Simulation Period Average[a]	1,537	1,236	0	0	0	0	0	0	2,280	3,541	2,928	2,790
Wet Water Years (28%)	2,216	1,453	0	0	0	0	0	0	2,349	4,018	3,563	3,713
Above Normal Water Years (14%)	2,476	1,662	0	0	0	0	0	0	2,557	4,182	3,794	3,625
Below Normal Water Years (18%)	1,681	1,289	0	0	0	0	0	0	2,392	4,113	3,171	2,443
Dry Water Years (24%)	788	880	0	0	0	0	0	0	2,425	3,283	2,304	2,152
Critical Water Years (16%)	355	915	0	0	0	0	0	0	1,575	1,890	1,723	1,790

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

Table F.2.3-7-5b. Delta Cross Channel Flow, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,844	1,938	0	0	0	0	0	0	2,744	4,556	3,850	4,212
20% Exceedance	2,633	1,840	0	0	0	0	0	0	2,545	4,391	3,683	3,762
30% Exceedance	2,341	1,765	0	0	0	0	0	0	2,437	4,249	3,559	3,422
40% Exceedance	2,165	1,669	0	0	0	0	0	0	2,388	3,835	3,450	3,155
50% Exceedance	1,998	1,463	0	0	0	0	0	0	2,326	3,710	3,246	2,472
60% Exceedance	1,766	1,329	0	0	0	0	0	0	2,288	3,380	2,753	2,225
70% Exceedance	0	1,133	0	0	0	0	0	0	2,205	3,087	2,280	2,110
80% Exceedance	0	0	0	0	0	0	0	0	1,998	2,560	1,918	1,971
90% Exceedance	0	0	0	0	0	0	0	0	1,432	1,739	1,681	1,804
Full Simulation Period Average[a]	1,532	1,232	0	0	0	0	0	0	2,272	3,461	2,910	2,820
Wet Water Years (28%)	2,186	1,452	0	0	0	0	0	0	2,380	3,938	3,522	3,729
Above Normal Water Years (14%)	2,550	1,661	0	0	0	0	0	0	2,567	4,070	3,782	3,778
Below Normal Water Years (18%)	1,656	1,267	0	0	0	0	0	0	2,393	4,046	3,240	2,492
Dry Water Years (24%)	782	852	0	0	0	0	0	0	2,340	3,179	2,269	2,143
Critical Water Years (16%)	343	961	0	0	0	0	0	0	1,587	1,857	1,669	1,777

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

Table F.2.3-7-5c. Delta Cross Channel Flow, Alt2wTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	59	52	0	0	0	0	0	0	63	-192	8	105
20% Exceedance	7	-8	0	0	0	0	0	0	-11	-129	-5	-156
30% Exceedance	-110	0	0	0	0	0	0	0	-66	-57	-8	44
40% Exceedance	-56	-1	0	0	0	0	0	0	-47	-102	-11	105
50% Exceedance	-8	-28	0	0	0	0	0	0	-56	42	0	53
60% Exceedance	-12	-16	0	0	0	0	0	0	-8	-54	30	12
70% Exceedance	0	52	0	0	0	0	0	0	63	-51	-35	-10
80% Exceedance	0	0	0	0	0	0	0	0	-1	-168	-109	-16
90% Exceedance	0	0	0	0	0	0	0	0	55	-10	-109	36
Full Simulation Period Average[a]	-5	-4	0	0	0	0	0	0	-8	-80	-18	30
Wet Water Years (28%)	-31	-1	0	0	0	0	0	0	31	-80	-41	15
Above Normal Water Years (14%)	74	0	0	0	0	0	0	0	10	-112	-12	153
Below Normal Water Years (18%)	-25	-22	0	0	0	0	0	0	1	-67	69	50
Dry Water Years (24%)	-6	-28	0	0	0	0	0	0	-85	-104	-35	-9
Critical Water Years (16%)	-13	46	0	0	0	0	0	0	12	-33	-55	-13

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

Table F.2.3-7-6a. Delta Cross Channel Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,784	1,886	0	0	0	0	0	0	2,681	4,748	3,842	4,107
20% Exceedance	2,626	1,847	0	0	0	0	0	0	2,555	4,521	3,688	3,918
30% Exceedance	2,451	1,765	0	0	0	0	0	0	2,503	4,306	3,567	3,379
40% Exceedance	2,221	1,670	0	0	0	0	0	0	2,435	3,937	3,462	3,050
50% Exceedance	2,005	1,490	0	0	0	0	0	0	2,383	3,668	3,246	2,419
60% Exceedance	1,778	1,344	0	0	0	0	0	0	2,295	3,434	2,723	2,213
70% Exceedance	0	1,081	0	0	0	0	0	0	2,142	3,138	2,314	2,120
80% Exceedance	0	0	0	0	0	0	0	0	2,000	2,728	2,027	1,987
90% Exceedance	0	0	0	0	0	0	0	0	1,377	1,749	1,790	1,768
Full Simulation Period Average[a]	1,537	1,236	0	0	0	0	0	0	2,280	3,541	2,928	2,790
Wet Water Years (28%)	2,216	1,453	0	0	0	0	0	0	2,349	4,018	3,563	3,713
Above Normal Water Years (14%)	2,476	1,662	0	0	0	0	0	0	2,557	4,182	3,794	3,625
Below Normal Water Years (18%)	1,681	1,289	0	0	0	0	0	0	2,392	4,113	3,171	2,443
Dry Water Years (24%)	788	880	0	0	0	0	0	0	2,425	3,283	2,304	2,152
Critical Water Years (16%)	355	915	0	0	0	0	0	0	1,575	1,890	1,723	1,790

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

Table F.2.3-7-6b. Delta Cross Channel Flow, Alternative 3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,660	1,809	0	0	0	0	0	0	2,173	2,972	2,881	3,250
20% Exceedance	2,416	1,706	0	0	0	0	0	0	2,021	2,863	2,755	3,133
30% Exceedance	2,206	1,597	0	0	0	0	0	0	1,950	2,788	2,700	2,966
40% Exceedance	2,089	1,484	0	0	0	0	0	0	1,908	2,720	2,647	2,686
50% Exceedance	1,780	1,374	0	0	0	0	0	0	1,871	2,639	2,576	2,485
60% Exceedance	0	1,186	0	0	0	0	0	0	1,761	2,552	2,483	2,322
70% Exceedance	0	823	0	0	0	0	0	0	1,658	2,403	2,354	2,162
80% Exceedance	0	0	0	0	0	0	0	0	1,537	2,216	2,086	1,957
90% Exceedance	0	0	0	0	0	0	0	0	1,414	2,085	2,007	1,751
Full Simulation Period Average[a]	1,256	1,083	0	0	0	0	0	0	1,861	2,611	2,499	2,522
Wet Water Years (28%)	2,011	1,317	0	0	0	0	0	0	1,974	2,927	2,485	3,024
Above Normal Water Years (14%)	1,977	1,399	0	0	0	0	0	0	1,703	2,604	2,613	3,077
Below Normal Water Years (18%)	1,075	1,160	0	0	0	0	0	0	1,766	2,491	2,620	2,454
Dry Water Years (24%)	700	694	0	0	0	0	0	0	1,965	2,667	2,700	2,201
Critical Water Years (16%)	233	861	0	0	0	0	0	0	1,755	2,112	1,983	1,714

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

Table F.2.3-7-6c. Delta Cross Channel Flow, Alternative 3 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-124	-77	0	0	0	0	0	0	-508	-1,776	-961	-857
20% Exceedance	-210	-142	0	0	0	0	0	0	-534	-1,658	-933	-784
30% Exceedance	-246	-168	0	0	0	0	0	0	-553	-1,518	-867	-412
40% Exceedance	-132	-186	0	0	0	0	0	0	-527	-1,217	-815	-364
50% Exceedance	-226	-116	0	0	0	0	0	0	-512	-1,029	-670	66
60% Exceedance	-1,778	-158	0	0	0	0	0	0	-535	-882	-240	109
70% Exceedance	0	-258	0	0	0	0	0	0	-484	-735	40	42
80% Exceedance	0	0	0	0	0	0	0	0	-463	-512	59	-30
90% Exceedance	0	0	0	0	0	0	0	0	37	336	217	-17
Full Simulation Period Average[a]	-281	-153	0	0	0	0	0	0	-419	-931	-430	-268
Wet Water Years (28%)	-206	-136	0	0	0	0	0	0	-376	-1,091	-1,078	-690
Above Normal Water Years (14%)	-499	-263	0	0	0	0	0	0	-855	-1,578	-1,181	-549
Below Normal Water Years (18%)	-606	-129	0	0	0	0	0	0	-626	-1,622	-551	11
Dry Water Years (24%)	-88	-186	0	0	0	0	0	0	-459	-616	395	50
Critical Water Years (16%)	-122	-54	0	0	0	0	0	0	179	222	260	-76

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

Table F.2.3-7-7a. Delta Cross Channel Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,784	1,886	0	0	0	0	0	0	2,681	4,748	3,842	4,107
20% Exceedance	2,626	1,847	0	0	0	0	0	0	2,555	4,521	3,688	3,918
30% Exceedance	2,451	1,765	0	0	0	0	0	0	2,503	4,306	3,567	3,379
40% Exceedance	2,221	1,670	0	0	0	0	0	0	2,435	3,937	3,462	3,050
50% Exceedance	2,005	1,490	0	0	0	0	0	0	2,383	3,668	3,246	2,419
60% Exceedance	1,778	1,344	0	0	0	0	0	0	2,295	3,434	2,723	2,213
70% Exceedance	0	1,081	0	0	0	0	0	0	2,142	3,138	2,314	2,120
80% Exceedance	0	0	0	0	0	0	0	0	2,000	2,728	2,027	1,987
90% Exceedance	0	0	0	0	0	0	0	0	1,377	1,749	1,790	1,768
Full Simulation Period Average[a]	1,537	1,236	0	0	0	0	0	0	2,280	3,541	2,928	2,790
Wet Water Years (28%)	2,216	1,453	0	0	0	0	0	0	2,349	4,018	3,563	3,713
Above Normal Water Years (14%)	2,476	1,662	0	0	0	0	0	0	2,557	4,182	3,794	3,625
Below Normal Water Years (18%)	1,681	1,289	0	0	0	0	0	0	2,392	4,113	3,171	2,443
Dry Water Years (24%)	788	880	0	0	0	0	0	0	2,425	3,283	2,304	2,152
Critical Water Years (16%)	355	915	0	0	0	0	0	0	1,575	1,890	1,723	1,790

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

Table F.2.3-7-7b. Delta Cross Channel Flow, Alternative 4, Monthly Flow (cfs)

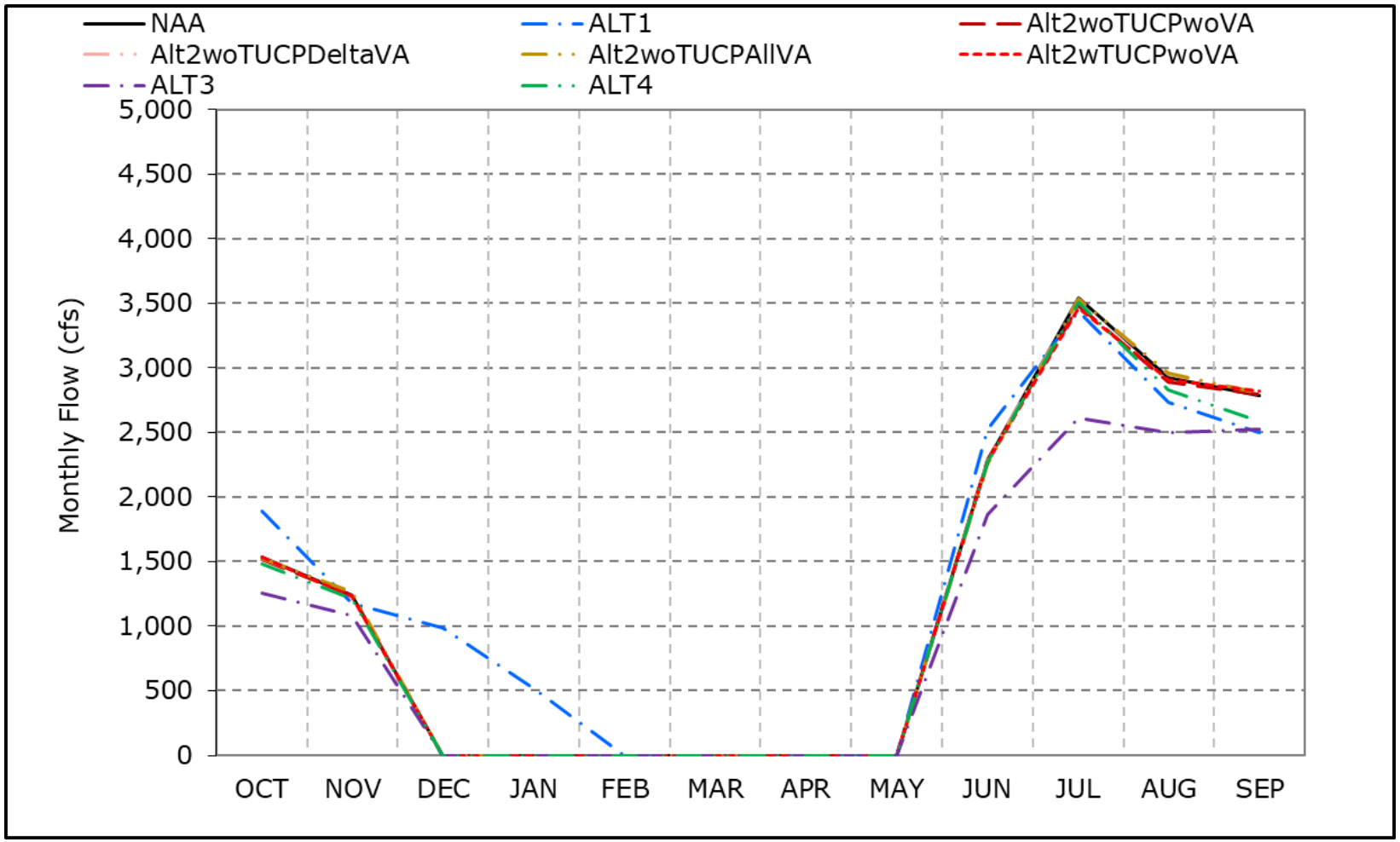
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,553	1,938	0	0	0	0	0	0	2,736	4,591	3,620	3,620
20% Exceedance	2,463	1,837	0	0	0	0	0	0	2,559	4,443	3,547	3,309
30% Exceedance	2,368	1,783	0	0	0	0	0	0	2,440	4,267	3,386	2,865
40% Exceedance	2,183	1,632	0	0	0	0	0	0	2,394	3,935	3,274	2,729
50% Exceedance	1,983	1,445	0	0	0	0	0	0	2,329	3,749	3,182	2,411
60% Exceedance	1,831	1,245	0	0	0	0	0	0	2,285	3,454	2,803	2,247
70% Exceedance	0	1,039	0	0	0	0	0	0	2,215	3,189	2,261	2,086
80% Exceedance	0	0	0	0	0	0	0	0	1,995	2,592	1,970	1,966
90% Exceedance	0	0	0	0	0	0	0	0	1,433	1,775	1,654	1,824
Full Simulation Period Average[a]	1,483	1,214	0	0	0	0	0	0	2,273	3,511	2,828	2,589
Wet Water Years (28%)	2,063	1,400	0	0	0	0	0	0	2,382	3,955	3,323	3,192
Above Normal Water Years (14%)	2,370	1,647	0	0	0	0	0	0	2,567	4,103	3,519	3,190
Below Normal Water Years (18%)	1,709	1,225	0	0	0	0	0	0	2,399	4,152	3,281	2,471
Dry Water Years (24%)	858	772	0	0	0	0	0	0	2,342	3,257	2,280	2,160
Critical Water Years (16%)	244	1,130	0	0	0	0	0	0	1,577	1,875	1,670	1,785

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

Table F.2.3-7-7c. Delta Cross Channel Flow, Alternative 4 minus No Action Alternative, Monthly Flow (cfs)

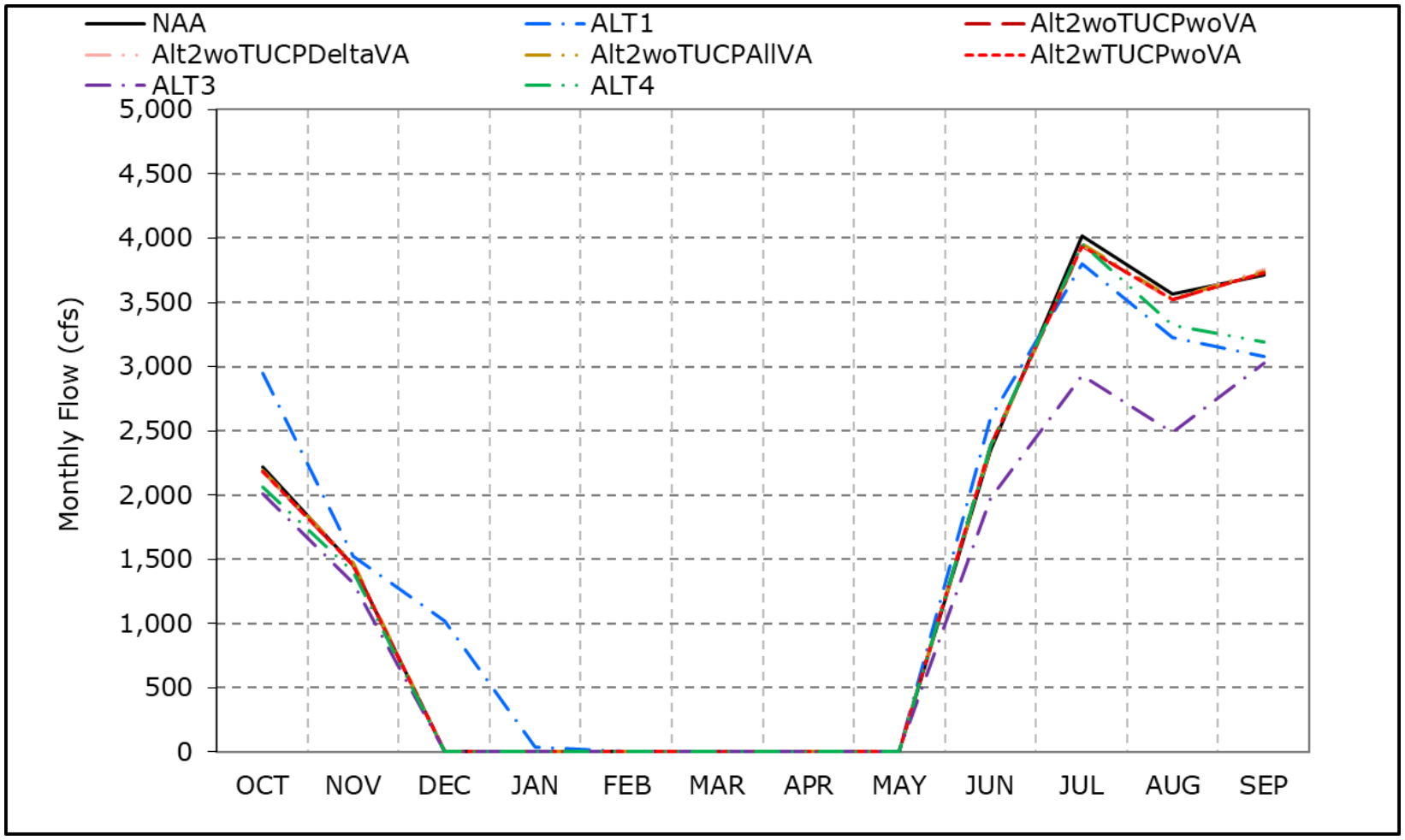
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-231	52	0	0	0	0	0	0	54	-158	-222	-487
20% Exceedance	-163	-11	0	0	0	0	0	0	4	-78	-141	-609
30% Exceedance	-84	18	0	0	0	0	0	0	-63	-39	-181	-513
40% Exceedance	-38	-38	0	0	0	0	0	0	-41	-2	-188	-321
50% Exceedance	-23	-45	0	0	0	0	0	0	-53	81	-64	-8
60% Exceedance	53	-99	0	0	0	0	0	0	-11	20	80	34
70% Exceedance	0	-42	0	0	0	0	0	0	73	51	-53	-34
80% Exceedance	0	0	0	0	0	0	0	0	-4	-136	-57	-21
90% Exceedance	0	0	0	0	0	0	0	0	56	25	-136	56
Full Simulation Period Average[a]	-54	-22	0	0	0	0	0	0	-8	-31	-101	-201
Wet Water Years (28%)	-153	-54	0	0	0	0	0	0	33	-64	-240	-521
Above Normal Water Years (14%)	-106	-15	0	0	0	0	0	0	9	-78	-276	-435
Below Normal Water Years (18%)	28	-64	0	0	0	0	0	0	7	39	109	29
Dry Water Years (24%)	70	-108	0	0	0	0	0	0	-83	-26	-24	8
Critical Water Years (16%)	-112	216	0	0	0	0	0	0	2	-16	-53	-5

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



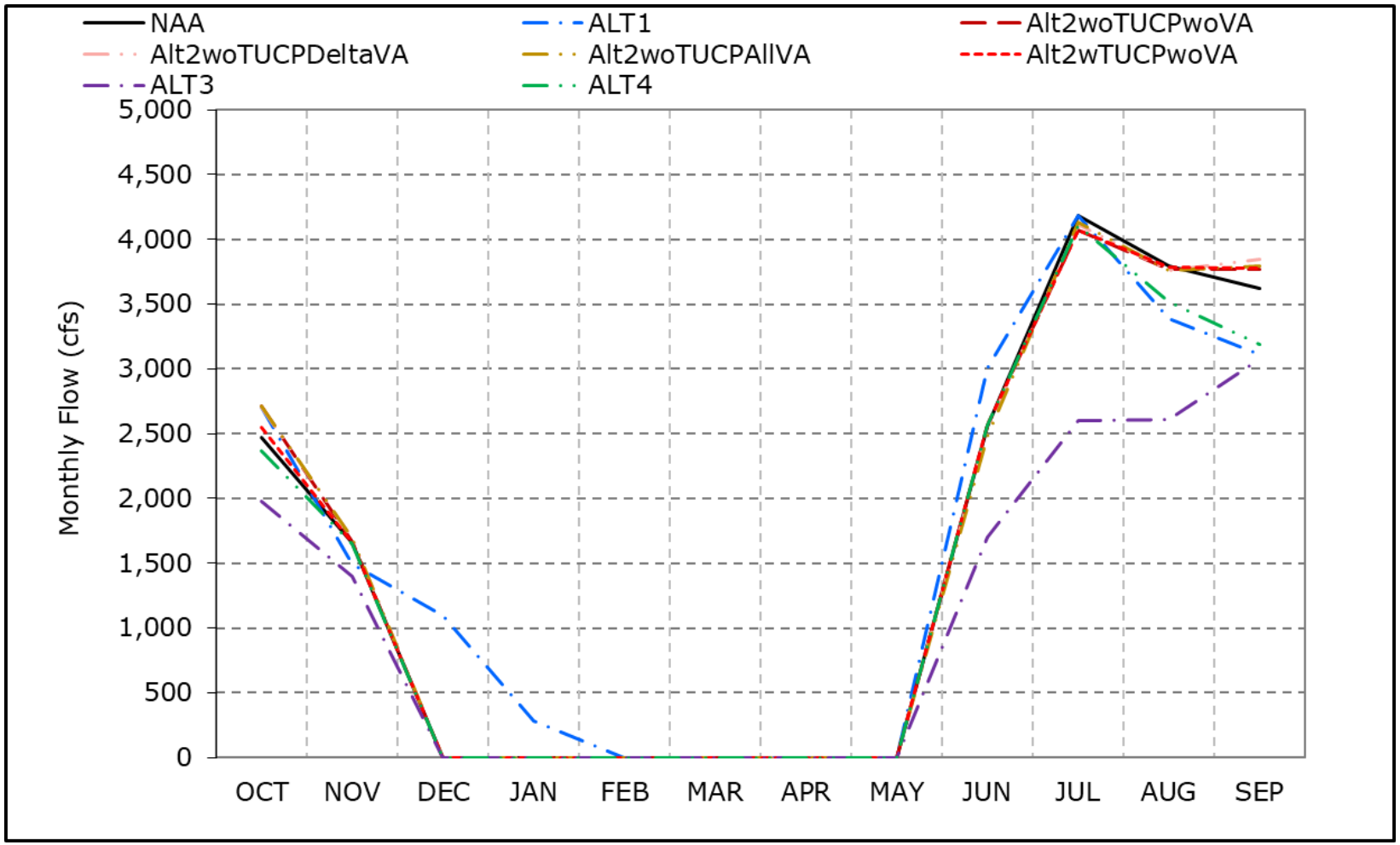
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-7-1. Delta Cross Channel Flow, Long-Term Average Flow



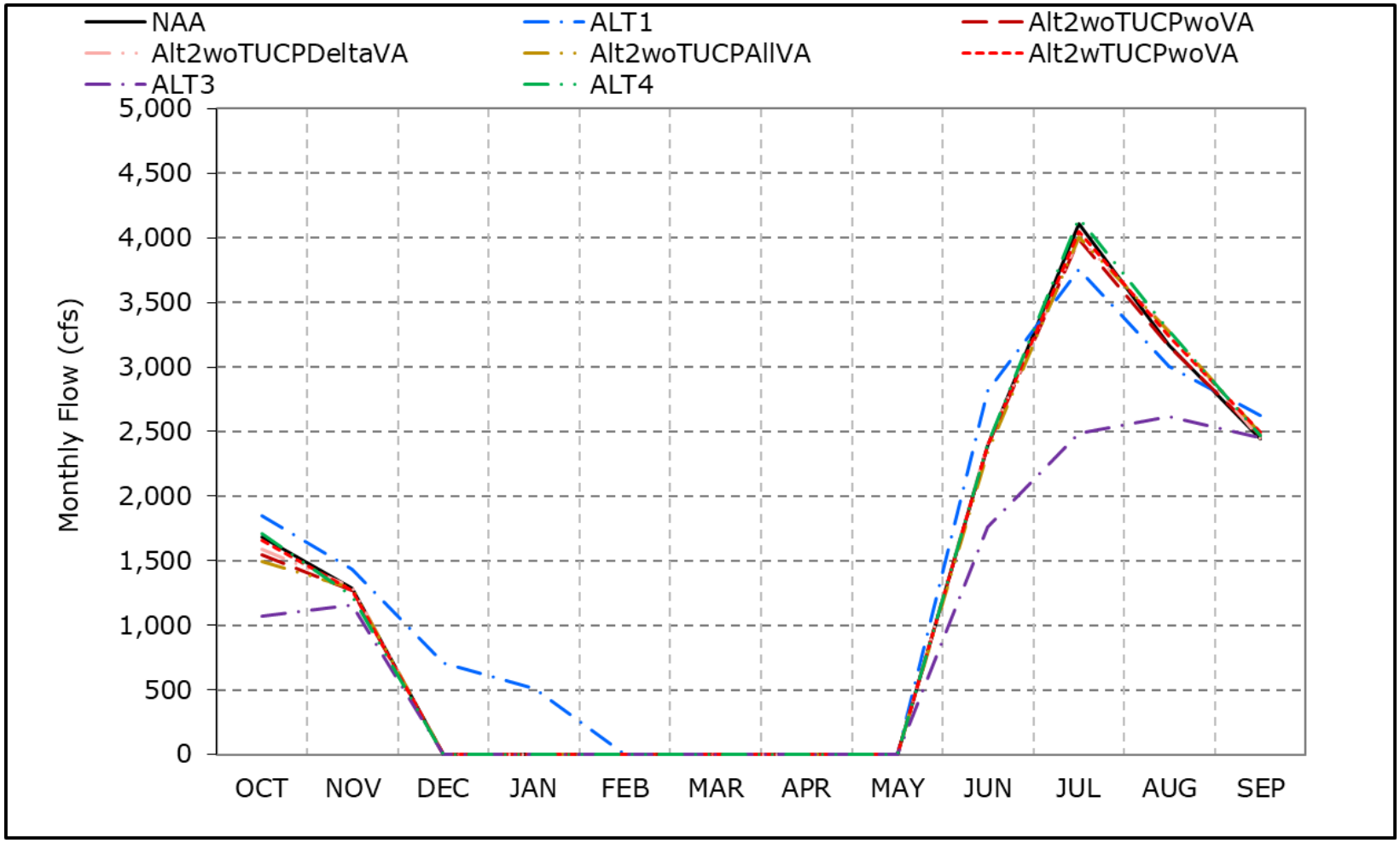
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-7-2. Delta Cross Channel Flow, Wet Year Average Flow



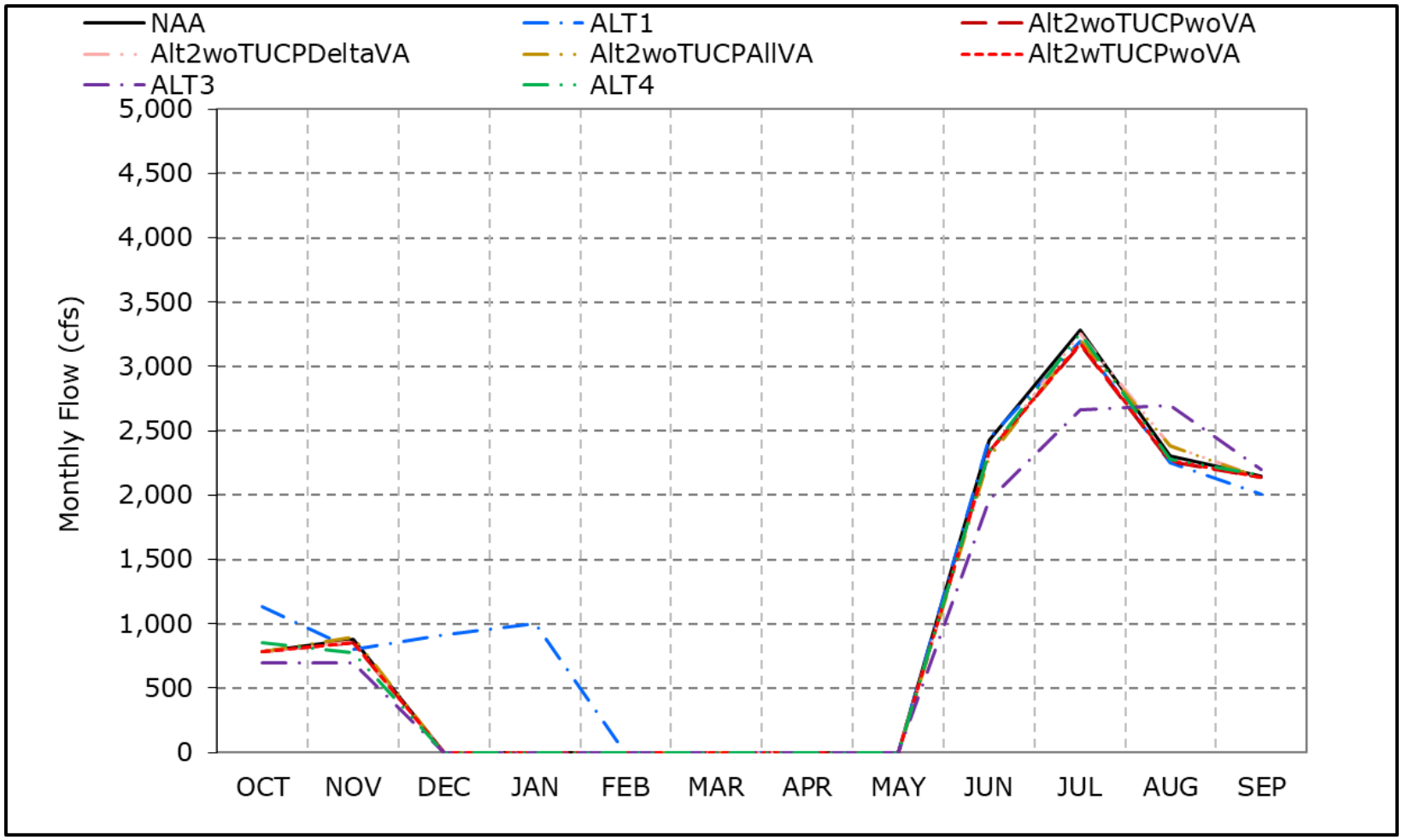
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-7-3. Delta Cross Channel Flow, Above Normal Year Average Flow



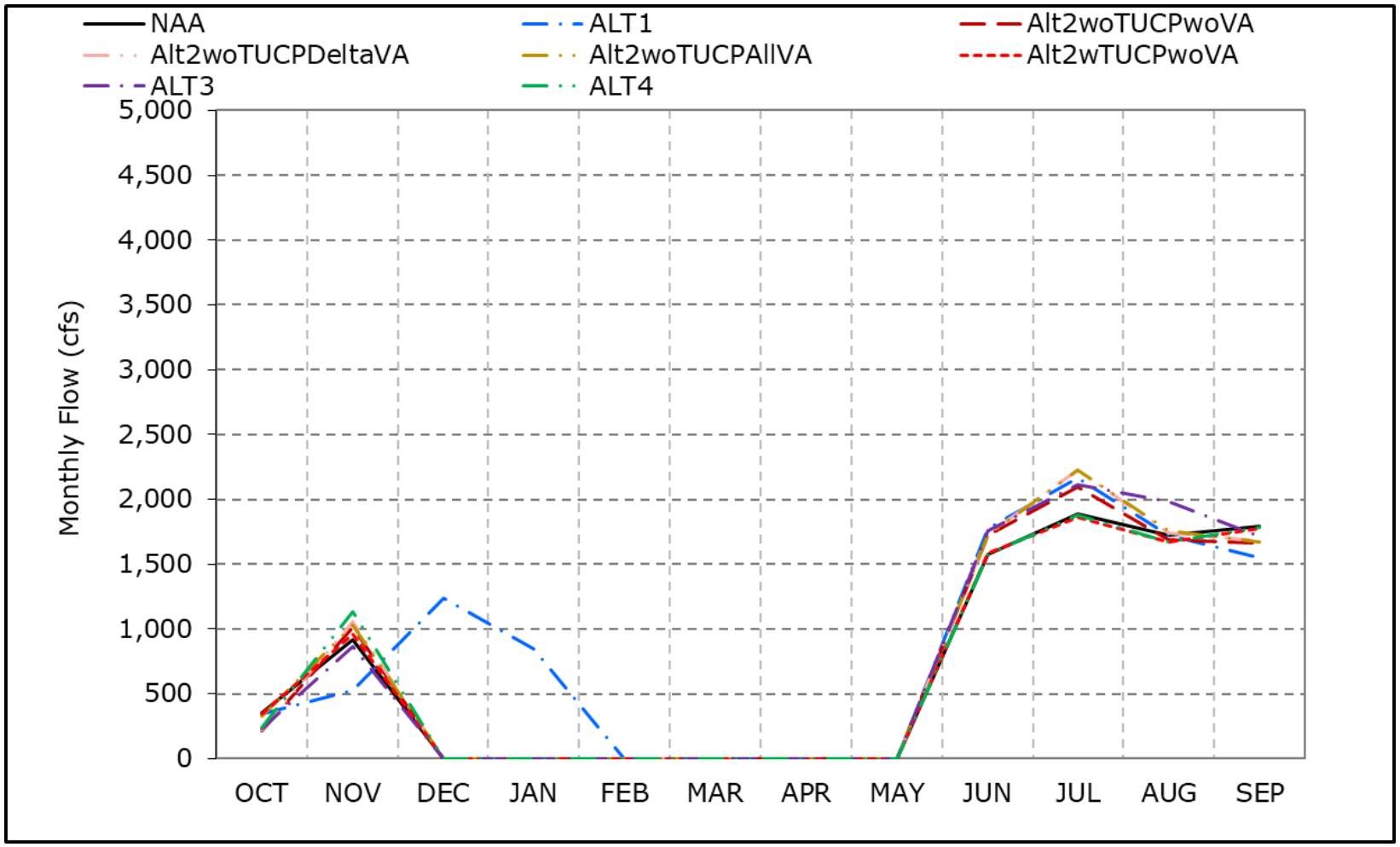
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-7-4. Delta Cross Channel Flow, Below Normal Year Average Flow



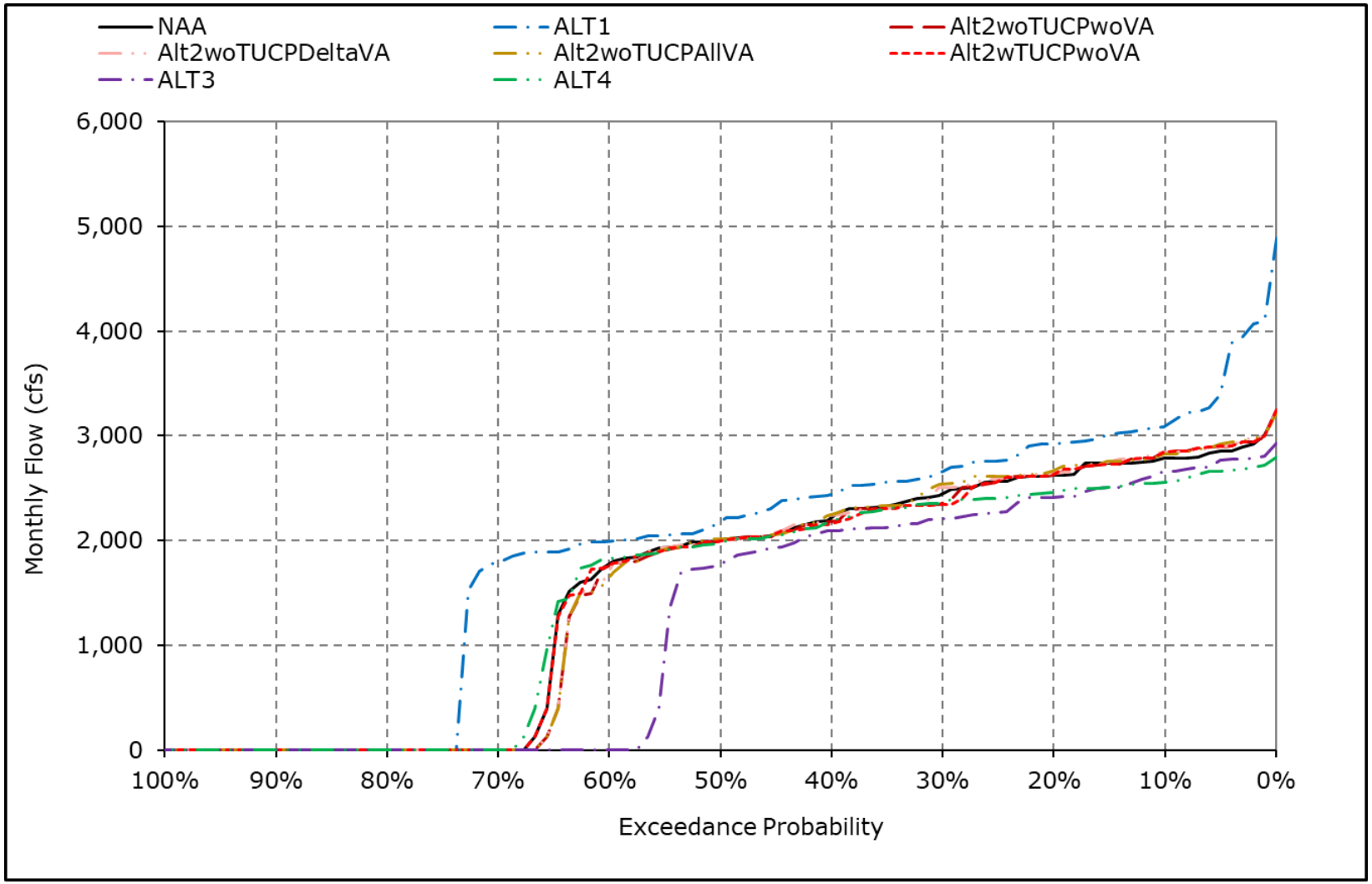
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-7-5. Delta Cross Channel Flow, Dry Year Average Flow



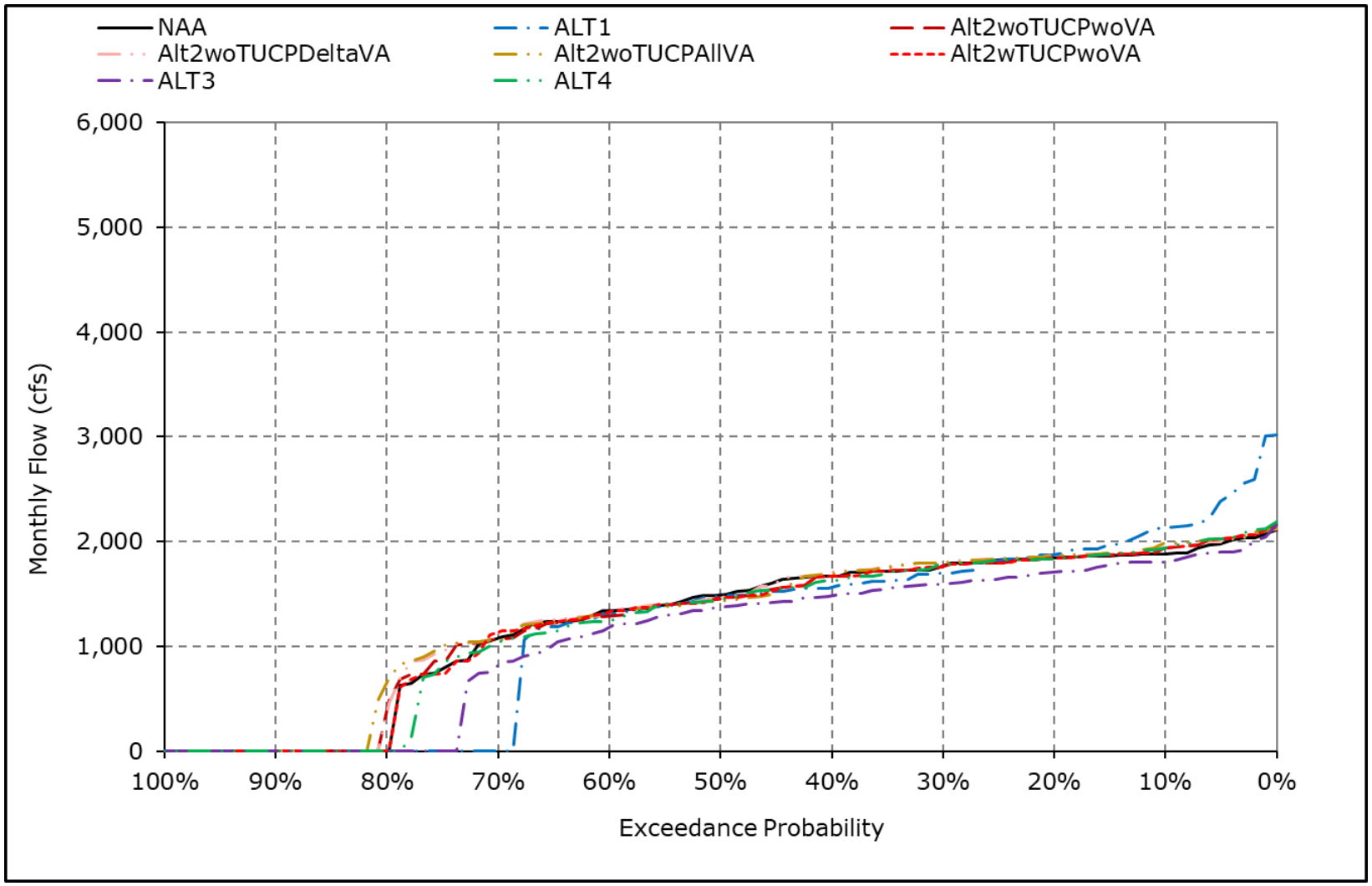
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-7-6. Delta Cross Channel Flow, Critical Year Average Flow



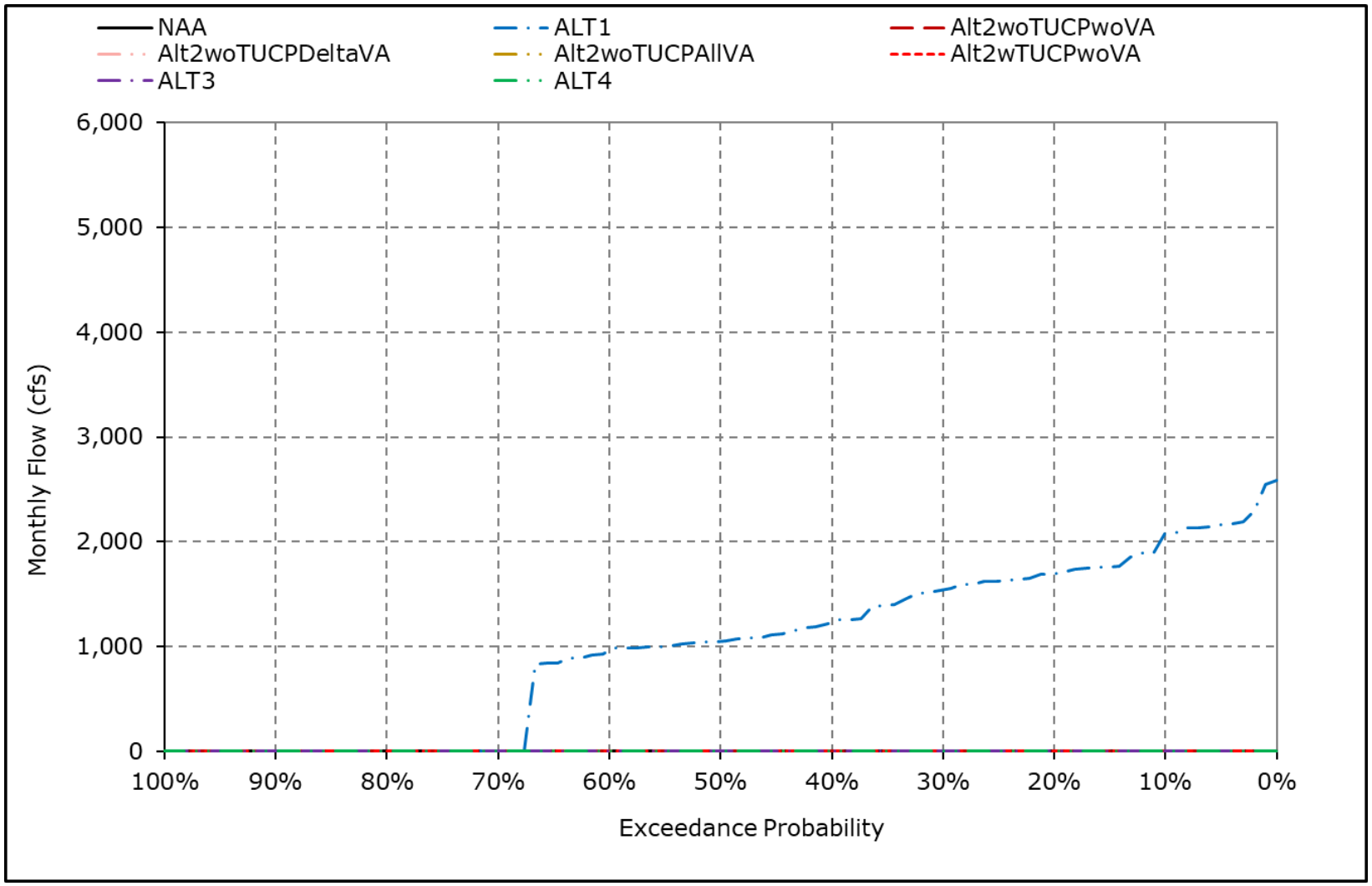
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-7-7. Delta Cross Channel Flow, October



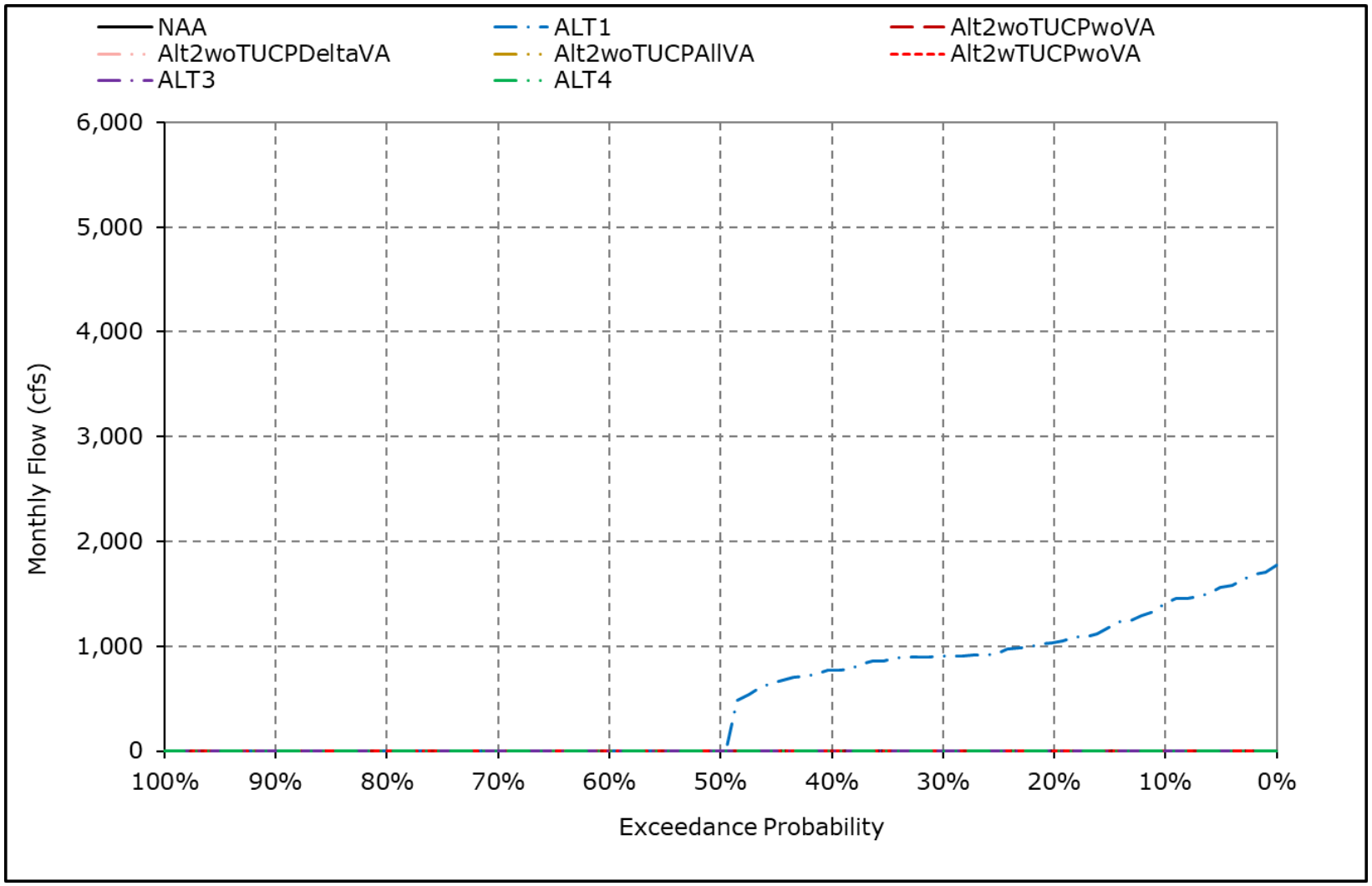
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-7-8. Delta Cross Channel Flow, November



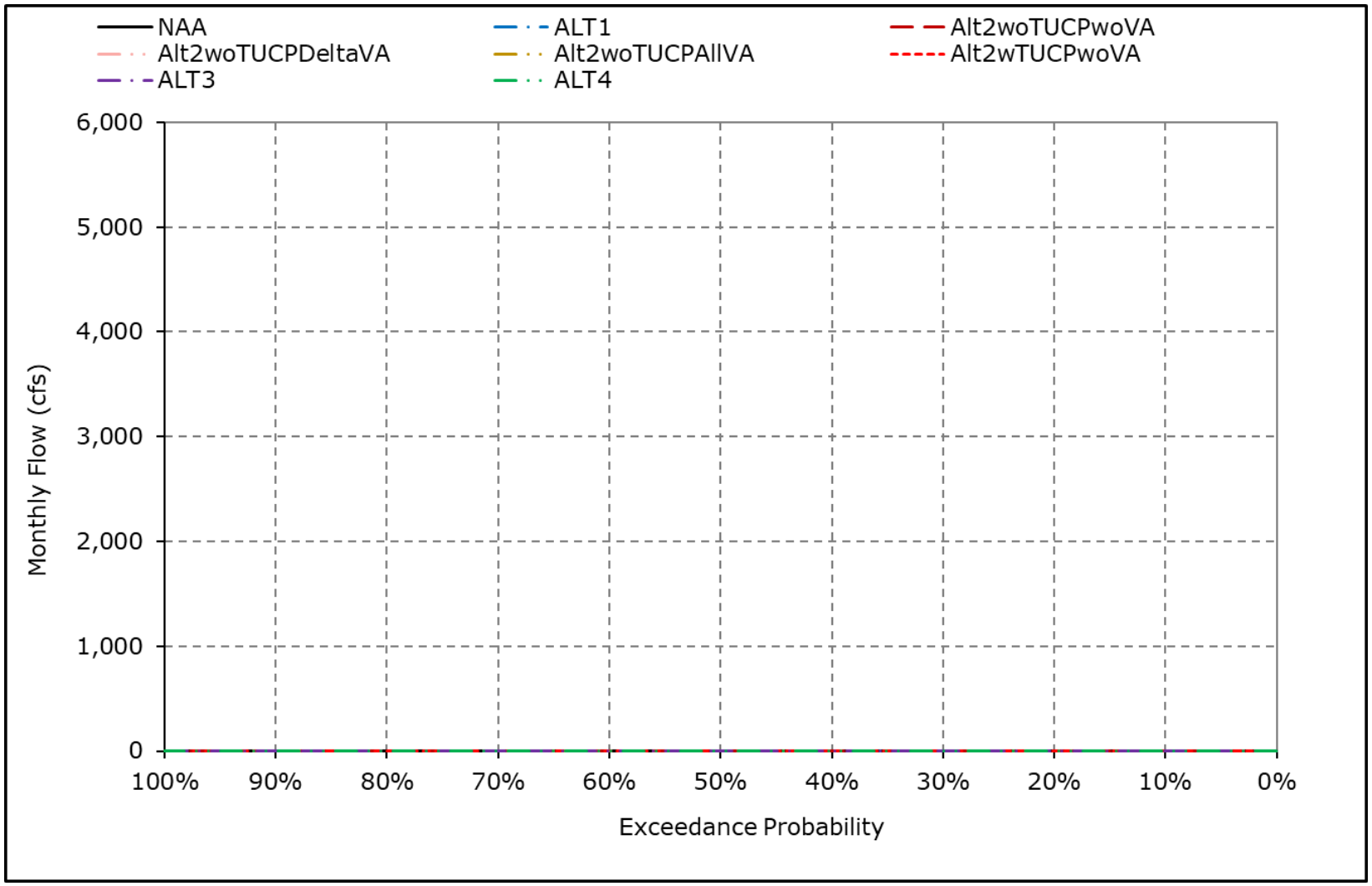
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-7-9. Delta Cross Channel Flow, December



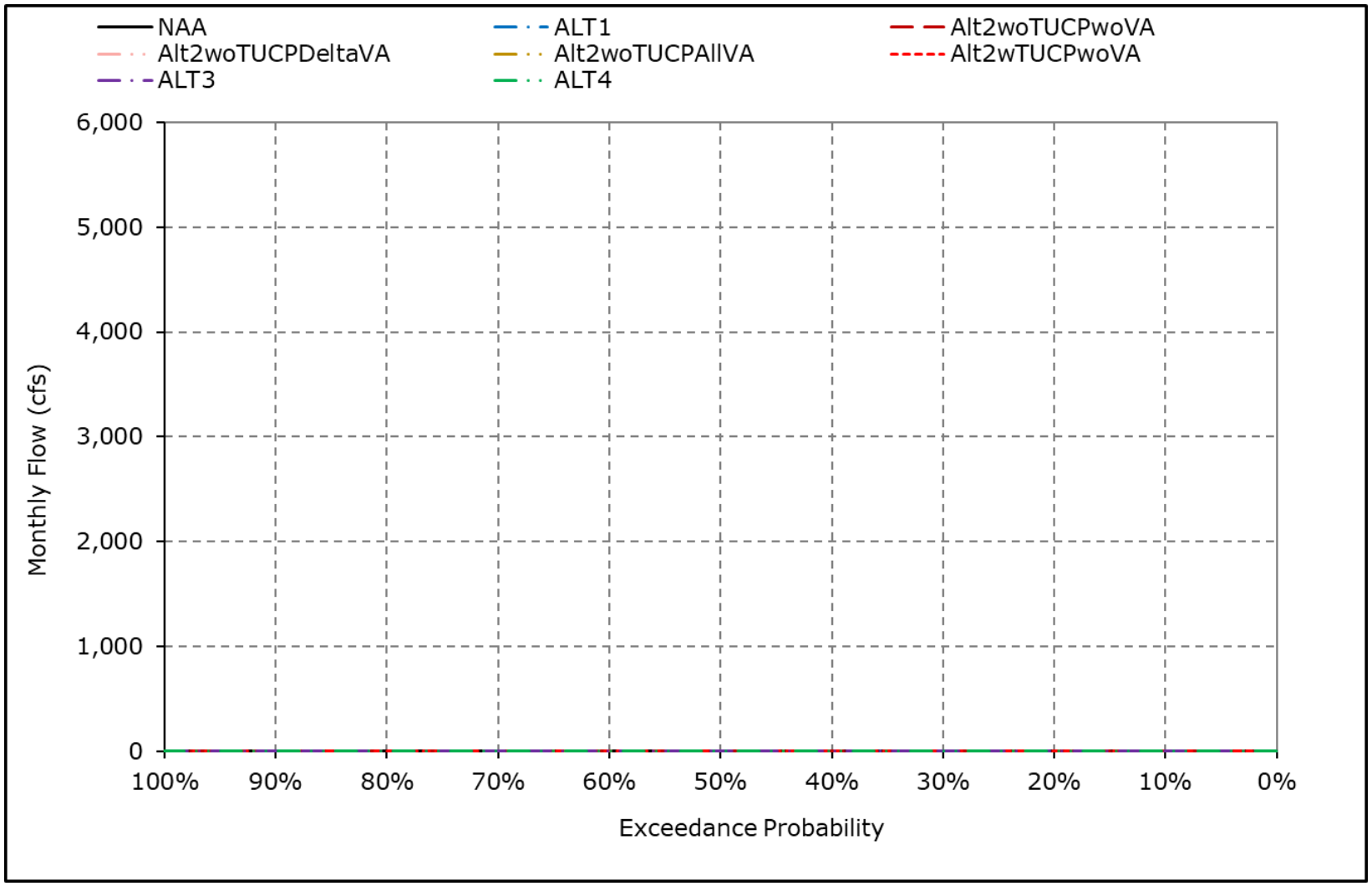
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-7-10. Delta Cross Channel Flow, January



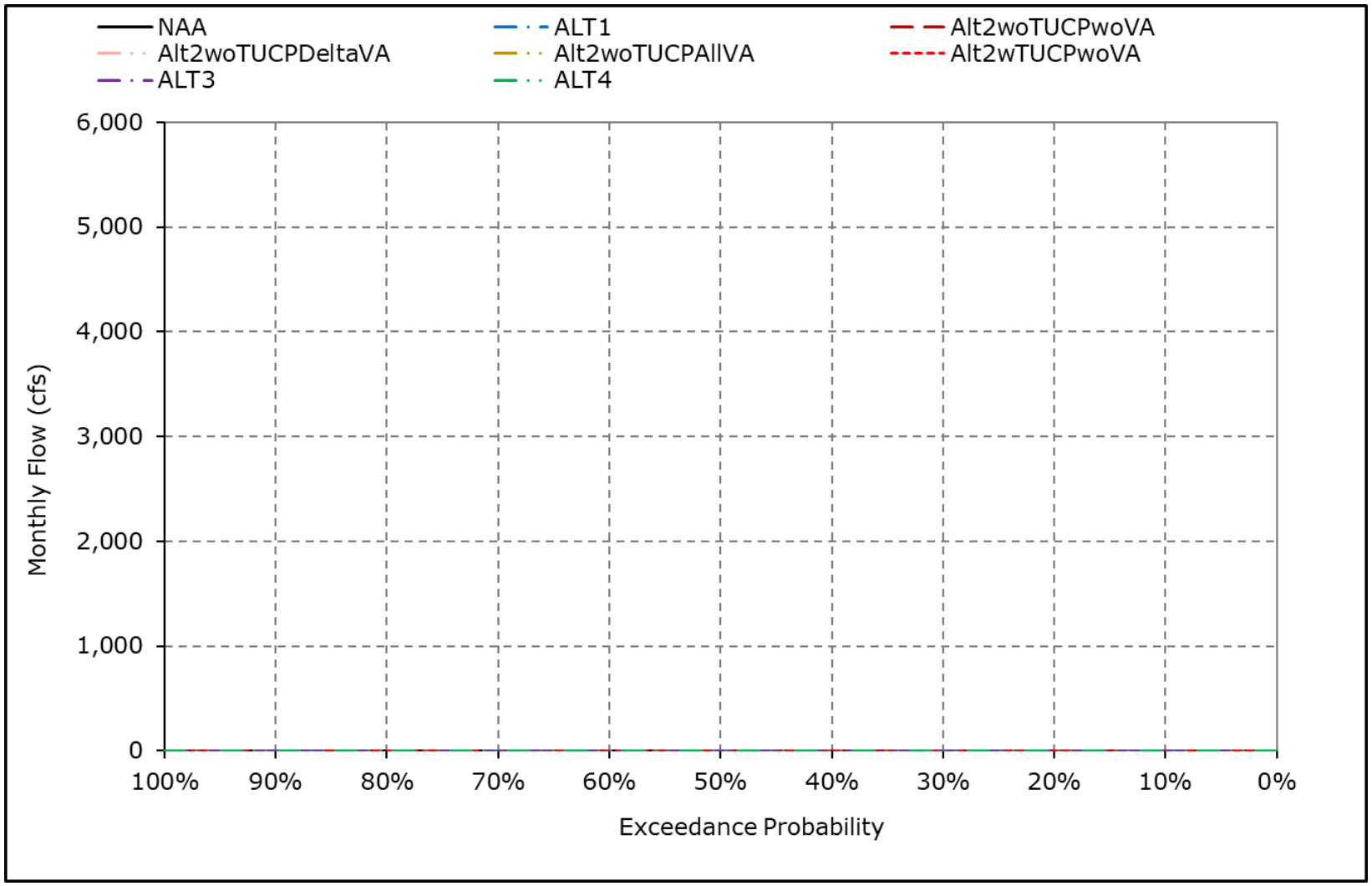
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-7-11. Delta Cross Channel Flow, February



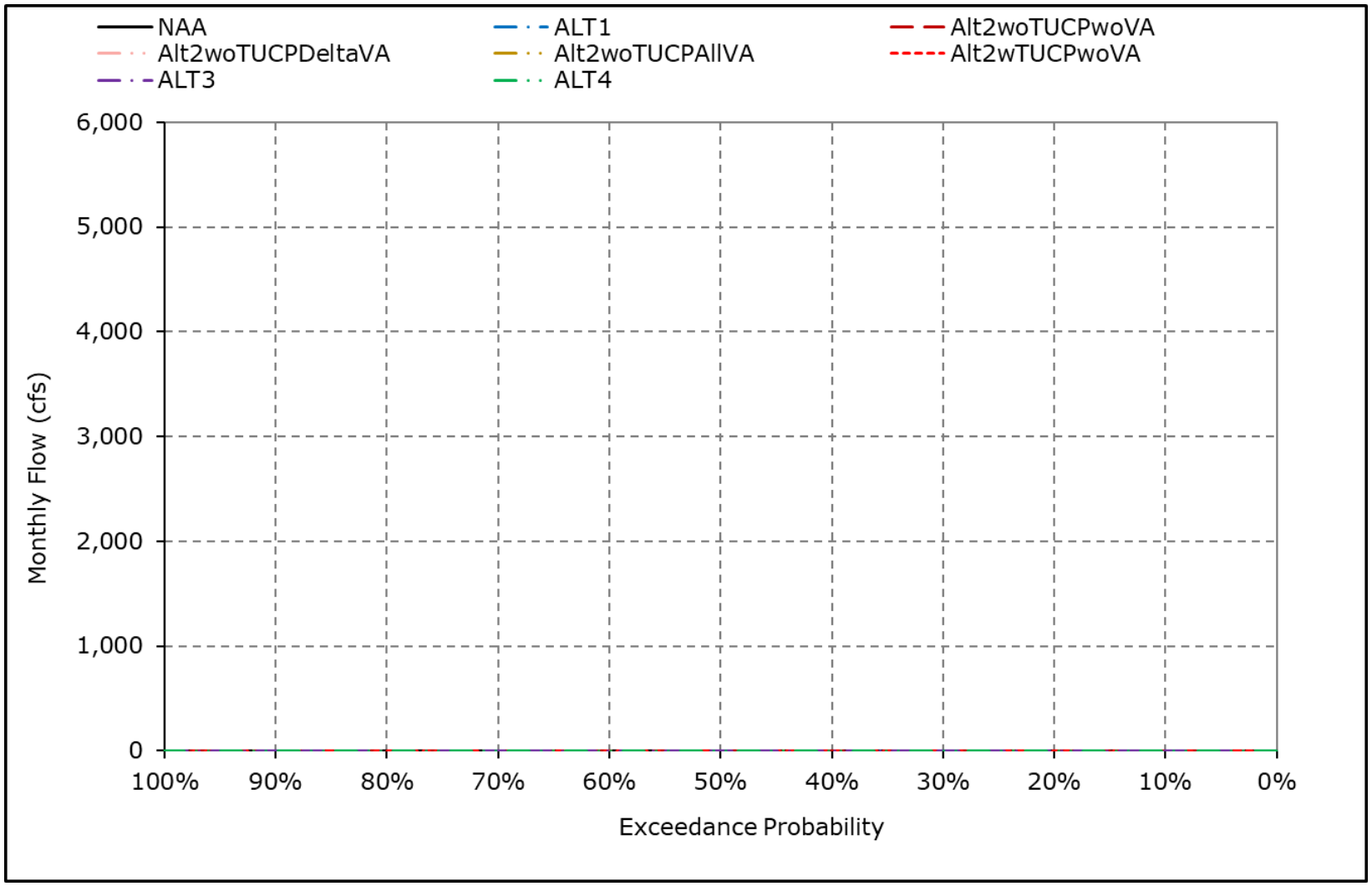
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-7-12. Delta Cross Channel Flow, March



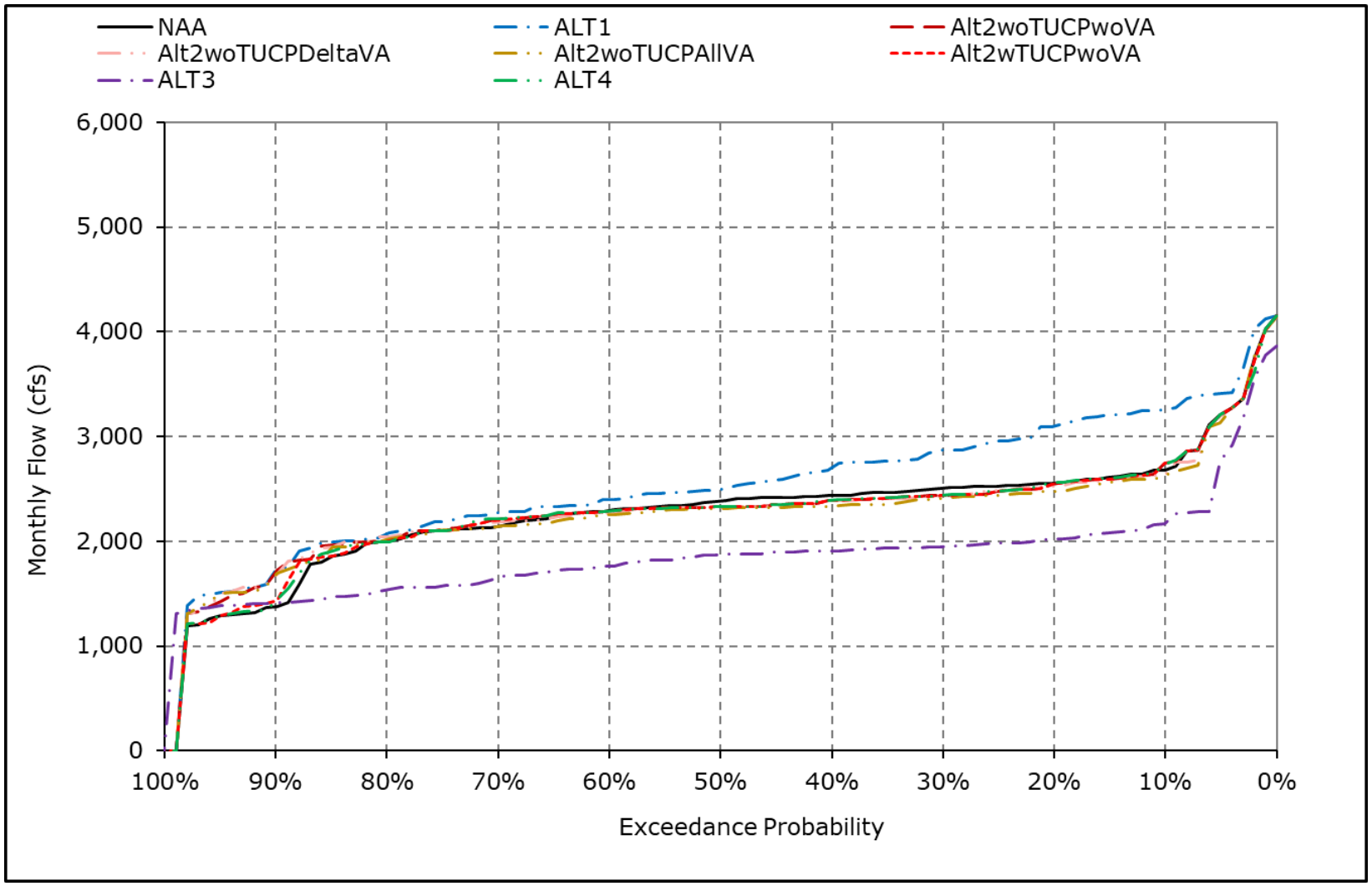
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-7-13. Delta Cross Channel Flow, April



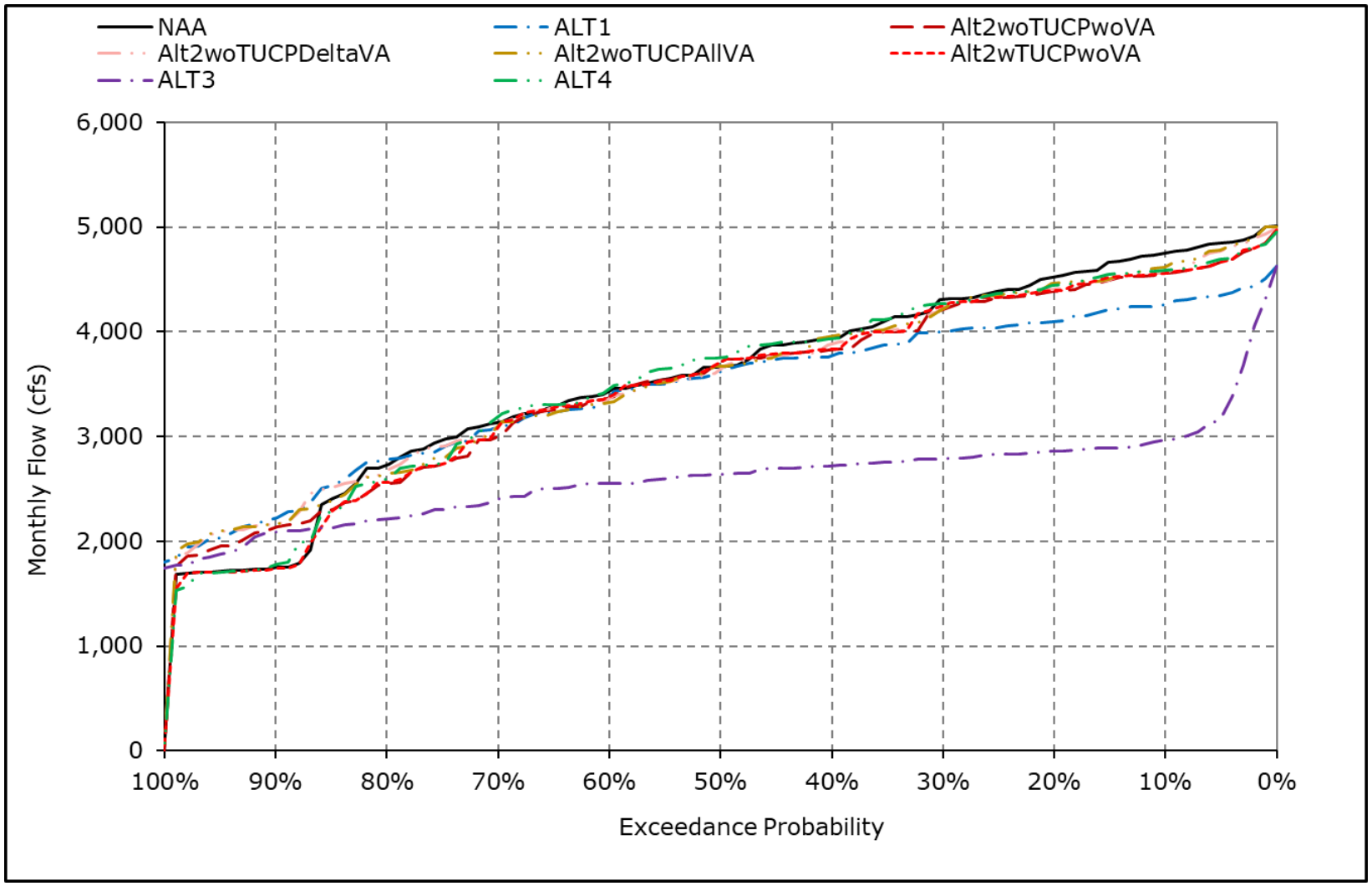
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-7-14. Delta Cross Channel Flow, May



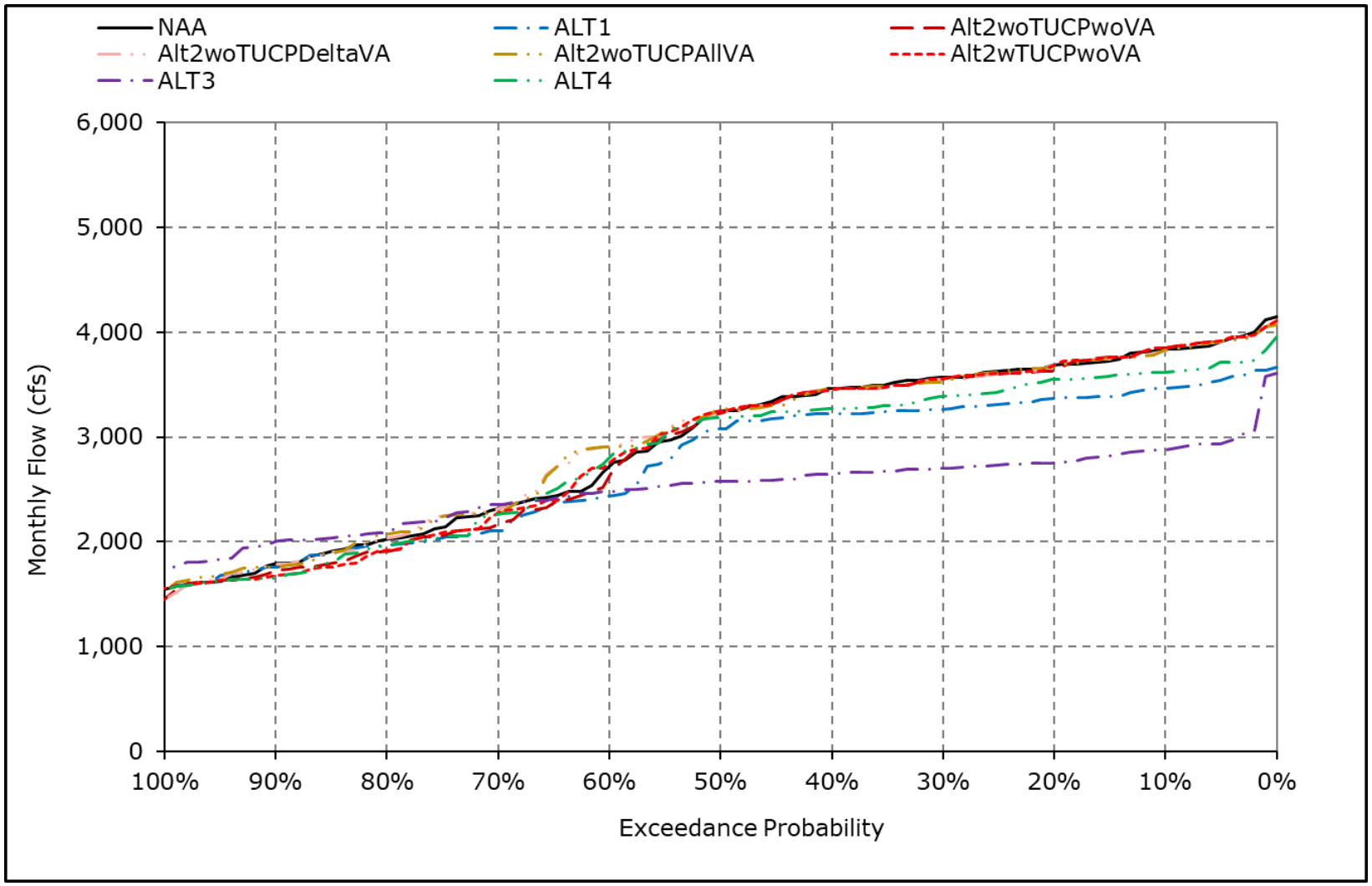
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-7-15. Delta Cross Channel Flow, June



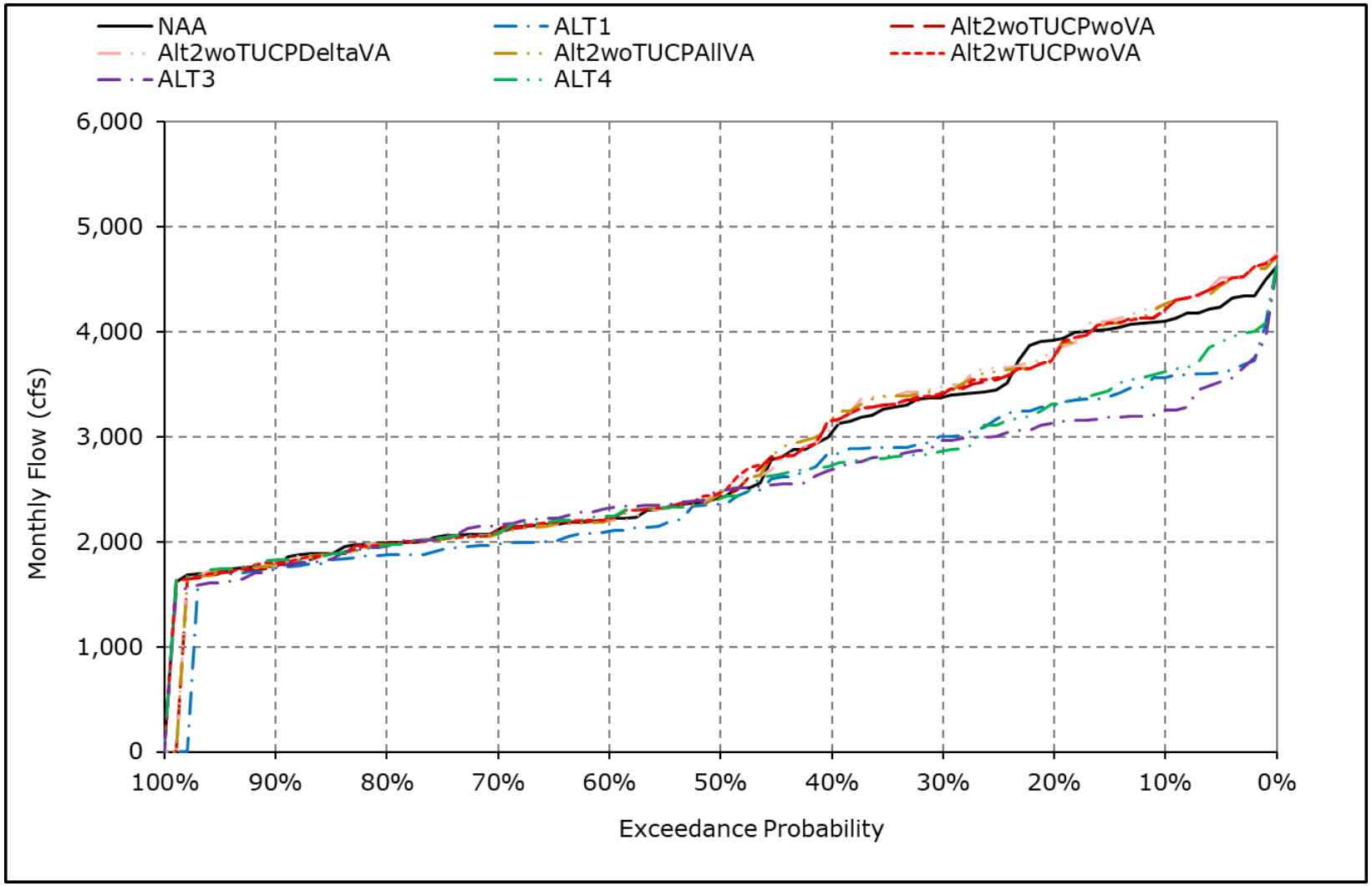
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-7-16. Delta Cross Channel Flow, July



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

Figure F.2.3-7-17. Delta Cross Channel Flow, August



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

Figure F.2.3-7-18. Delta Cross Channel Flow, September

Table F.2.3-8-1a. Total Delta Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,706	11,280	9,791	10,077	11,472	9,450	8,502	7,940	7,949	11,572	11,455	10,409
20% Exceedance	7,251	11,280	9,051	8,279	9,681	7,993	5,653	5,492	6,351	11,396	11,406	9,202
30% Exceedance	6,851	11,072	8,217	7,362	8,158	7,448	4,770	4,564	5,855	11,001	11,064	7,775
40% Exceedance	6,321	10,103	7,717	6,953	7,273	6,541	4,155	3,875	5,440	10,540	10,357	6,362
50% Exceedance	5,788	9,094	7,201	6,575	6,802	6,184	3,499	3,270	5,226	10,059	9,267	5,544
60% Exceedance	4,749	7,627	6,860	6,324	6,476	5,536	3,239	3,075	5,122	8,959	6,576	4,920
70% Exceedance	3,368	5,273	6,420	5,912	6,227	5,389	2,985	2,947	5,028	7,745	4,548	4,509
80% Exceedance	2,561	3,676	4,515	5,656	5,833	5,013	2,854	2,665	4,381	4,989	3,100	4,323
90% Exceedance	2,194	2,353	2,543	5,094	5,374	4,713	2,241	2,041	1,500	1,100	2,000	2,708
Full Simulation Period Average[a]	5,513	7,757	7,026	7,082	7,645	6,578	4,349	4,202	5,374	8,390	7,557	6,230
Wet Water Years (28%)	7,588	10,790	8,506	9,219	9,989	8,560	7,136	6,755	7,394	10,645	11,003	8,482
Above Normal Water Years (14%)	5,989	10,101	8,040	7,443	8,284	6,938	4,262	4,341	5,872	10,425	10,770	6,043
Below Normal Water Years (18%)	5,889	7,557	7,029	6,410	7,115	6,217	3,812	3,675	5,511	10,031	9,119	6,974
Dry Water Years (24%)	4,226	6,099	5,476	6,217	6,324	5,763	3,085	2,921	4,937	7,720	4,351	5,486
Critical Water Years (16%)	2,768	2,649	5,726	5,080	5,562	4,424	2,049	2,129	1,903	1,823	1,770	2,734

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

Table F.2.3-8-1b. Total Delta Exports, Alternative 1, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	11,280	11,280	12,124	13,752	14,270	12,425	8,640	10,222	8,478	11,621	11,780	11,780
20% Exceedance	11,280	11,280	11,775	12,872	13,117	11,728	7,537	7,374	7,666	11,311	11,236	11,780
30% Exceedance	9,962	10,254	11,658	12,355	12,313	10,854	6,458	6,437	7,384	11,001	10,729	10,689
40% Exceedance	8,243	9,076	11,567	12,055	12,038	9,756	5,567	5,483	7,063	10,438	10,409	9,046
50% Exceedance	6,695	7,602	11,485	11,898	11,047	9,003	4,849	5,069	6,648	9,695	9,726	7,345
60% Exceedance	5,581	6,615	10,103	11,835	9,881	8,035	4,021	4,285	6,063	8,834	5,466	5,853
70% Exceedance	4,501	5,297	7,160	9,781	8,396	7,190	3,758	3,887	5,324	7,062	3,802	4,739
80% Exceedance	3,342	3,595	5,559	8,023	6,950	5,159	3,481	3,239	4,613	5,487	3,111	4,085
90% Exceedance	2,210	2,571	4,007	6,570	5,751	3,992	2,767	2,393	1,900	2,869	2,113	3,279
Full Simulation Period Average[a]	6,995	7,341	9,245	10,774	10,213	8,577	5,318	5,464	6,183	8,476	7,485	7,578
Wet Water Years (28%)	10,380	10,082	10,185	12,807	12,157	10,114	7,821	8,513	8,347	10,402	10,950	10,887
Above Normal Water Years (14%)	9,195	8,516	10,435	12,452	11,684	10,304	5,955	6,121	7,625	10,854	11,084	10,211
Below Normal Water Years (18%)	6,333	7,291	9,856	11,278	9,759	9,630	5,246	4,970	6,626	9,973	8,308	7,896
Dry Water Years (24%)	4,850	6,254	8,282	9,299	9,444	7,865	3,900	3,905	5,167	7,626	4,492	4,926
Critical Water Years (16%)	2,702	2,847	7,108	7,397	7,188	4,256	2,588	2,448	2,157	2,619	1,833	3,106

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

Table F.2.3-8-1c. Total Delta Exports, Alternative 1 minus No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,574	0	2,333	3,675	2,798	2,975	138	2,282	530	48	325	1,371
20% Exceedance	4,029	0	2,724	4,593	3,436	3,736	1,884	1,882	1,315	-85	-170	2,578
30% Exceedance	3,111	-818	3,441	4,993	4,155	3,407	1,688	1,872	1,528	0	-335	2,914
40% Exceedance	1,922	-1,027	3,851	5,102	4,765	3,216	1,412	1,608	1,623	-102	52	2,684
50% Exceedance	906	-1,492	4,284	5,322	4,245	2,819	1,350	1,799	1,422	-363	459	1,800
60% Exceedance	832	-1,012	3,243	5,511	3,406	2,499	782	1,210	942	-125	-1,110	933
70% Exceedance	1,133	25	740	3,869	2,170	1,801	773	940	296	-682	-745	230
80% Exceedance	780	-81	1,044	2,366	1,117	146	626	574	233	498	12	-238
90% Exceedance	15	218	1,464	1,476	377	-721	526	352	400	1,769	113	570
Full Simulation Period Average[a]	1,482	-417	2,219	3,692	2,568	1,999	969	1,262	809	86	-73	1,348
Wet Water Years (28%)	2,792	-708	1,679	3,588	2,168	1,554	685	1,757	953	-243	-53	2,405
Above Normal Water Years (14%)	3,206	-1,584	2,395	5,009	3,399	3,366	1,693	1,780	1,753	429	314	4,168
Below Normal Water Years (18%)	444	-265	2,828	4,867	2,644	3,413	1,435	1,296	1,115	-58	-811	922
Dry Water Years (24%)	623	155	2,805	3,081	3,120	2,102	815	984	230	-94	141	-560
Critical Water Years (16%)	-65	198	1,382	2,317	1,626	-167	539	319	254	796	63	372

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

Table F.2.3-8-2a. Total Delta Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,706	11,280	9,791	10,077	11,472	9,450	8,502	7,940	7,949	11,572	11,455	10,409
20% Exceedance	7,251	11,280	9,051	8,279	9,681	7,993	5,653	5,492	6,351	11,396	11,406	9,202
30% Exceedance	6,851	11,072	8,217	7,362	8,158	7,448	4,770	4,564	5,855	11,001	11,064	7,775
40% Exceedance	6,321	10,103	7,717	6,953	7,273	6,541	4,155	3,875	5,440	10,540	10,357	6,362
50% Exceedance	5,788	9,094	7,201	6,575	6,802	6,184	3,499	3,270	5,226	10,059	9,267	5,544
60% Exceedance	4,749	7,627	6,860	6,324	6,476	5,536	3,239	3,075	5,122	8,959	6,576	4,920
70% Exceedance	3,368	5,273	6,420	5,912	6,227	5,389	2,985	2,947	5,028	7,745	4,548	4,509
80% Exceedance	2,561	3,676	4,515	5,656	5,833	5,013	2,854	2,665	4,381	4,989	3,100	4,323
90% Exceedance	2,194	2,353	2,543	5,094	5,374	4,713	2,241	2,041	1,500	1,100	2,000	2,708
Full Simulation Period Average[a]	5,513	7,757	7,026	7,082	7,645	6,578	4,349	4,202	5,374	8,390	7,557	6,230
Wet Water Years (28%)	7,588	10,790	8,506	9,219	9,989	8,560	7,136	6,755	7,394	10,645	11,003	8,482
Above Normal Water Years (14%)	5,989	10,101	8,040	7,443	8,284	6,938	4,262	4,341	5,872	10,425	10,770	6,043
Below Normal Water Years (18%)	5,889	7,557	7,029	6,410	7,115	6,217	3,812	3,675	5,511	10,031	9,119	6,974
Dry Water Years (24%)	4,226	6,099	5,476	6,217	6,324	5,763	3,085	2,921	4,937	7,720	4,351	5,486
Critical Water Years (16%)	2,768	2,649	5,726	5,080	5,562	4,424	2,049	2,129	1,903	1,823	1,770	2,734

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

Table F.2.3-8-2b. Total Delta Exports, Alt2woTUCPwoVA, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,813	11,280	9,655	9,941	12,196	10,000	9,422	10,334	7,759	11,772	11,780	11,044
20% Exceedance	7,264	11,280	9,014	8,273	9,927	8,477	7,264	7,525	6,053	11,535	11,764	9,366
30% Exceedance	6,683	11,045	8,438	7,133	8,215	7,603	6,339	6,232	5,584	11,241	11,287	7,355
40% Exceedance	6,256	10,113	7,693	6,711	7,184	6,481	5,510	5,405	4,938	10,388	10,517	6,541
50% Exceedance	5,686	9,225	6,984	6,331	6,485	6,002	4,278	4,564	4,691	9,732	9,280	5,391
60% Exceedance	4,279	7,680	6,818	5,891	6,117	5,546	3,699	3,666	4,536	8,856	6,414	4,949
70% Exceedance	3,211	5,626	6,418	5,537	5,773	5,258	3,406	3,371	4,434	7,366	3,845	4,684
80% Exceedance	2,667	3,706	4,672	5,243	5,442	4,925	3,103	2,805	4,240	4,272	2,574	4,285
90% Exceedance	2,066	2,283	2,898	4,850	4,988	4,099	2,615	2,057	2,036	2,535	1,725	3,281
Full Simulation Period Average[a]	5,390	7,735	7,049	6,829	7,568	6,662	5,167	5,227	5,043	8,394	7,552	6,460
Wet Water Years (28%)	7,579	10,756	8,599	9,136	10,305	9,342	8,040	8,559	7,291	10,517	10,976	8,637
Above Normal Water Years (14%)	5,825	10,104	8,033	7,297	8,475	7,056	5,783	5,671	5,424	10,830	11,035	6,564
Below Normal Water Years (18%)	5,571	7,659	6,957	6,241	6,881	6,202	4,770	4,597	4,991	10,058	9,021	7,223
Dry Water Years (24%)	4,200	6,037	5,503	5,722	5,888	5,639	3,517	3,461	4,385	7,316	4,328	5,428
Critical Water Years (16%)	2,556	2,538	5,754	4,704	5,275	3,678	2,522	2,366	1,820	2,295	1,696	3,250

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

Table F.2.3-8-2c. Total Delta Exports, Alt2woTUCPwoVA minus No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	107	0	-136	-136	725	550	920	2,394	-189	200	325	635
20% Exceedance	13	0	-37	-5	246	484	1,611	2,032	-298	139	358	165
30% Exceedance	-168	-27	221	-229	57	156	1,569	1,668	-271	240	223	-420
40% Exceedance	-65	10	-24	-242	-89	-60	1,356	1,529	-501	-153	160	179
50% Exceedance	-102	131	-216	-245	-317	-182	778	1,294	-535	-326	13	-153
60% Exceedance	-470	52	-42	-432	-359	10	461	591	-585	-103	-162	29
70% Exceedance	-157	354	-2	-376	-454	-131	420	424	-594	-378	-703	175
80% Exceedance	105	30	158	-413	-392	-88	249	139	-140	-717	-526	-38
90% Exceedance	-128	-70	355	-244	-386	-613	374	16	536	1,435	-276	573
Full Simulation Period Average[a]	-122	-22	23	-253	-77	84	818	1,025	-331	4	-5	230
Wet Water Years (28%)	-9	-34	93	-83	316	782	904	1,804	-103	-128	-27	155
Above Normal Water Years (14%)	-164	4	-7	-146	191	118	1,521	1,330	-448	405	265	521
Below Normal Water Years (18%)	-318	102	-72	-170	-234	-14	958	923	-520	27	-97	249
Dry Water Years (24%)	-27	-62	27	-496	-436	-124	431	540	-552	-403	-23	-58
Critical Water Years (16%)	-211	-111	29	-375	-287	-746	473	237	-84	472	-74	516

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

Table F.2.3-8-3a. Total Delta Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,706	11,280	9,791	10,077	11,472	9,450	8,502	7,940	7,949	11,572	11,455	10,409
20% Exceedance	7,251	11,280	9,051	8,279	9,681	7,993	5,653	5,492	6,351	11,396	11,406	9,202
30% Exceedance	6,851	11,072	8,217	7,362	8,158	7,448	4,770	4,564	5,855	11,001	11,064	7,775
40% Exceedance	6,321	10,103	7,717	6,953	7,273	6,541	4,155	3,875	5,440	10,540	10,357	6,362
50% Exceedance	5,788	9,094	7,201	6,575	6,802	6,184	3,499	3,270	5,226	10,059	9,267	5,544
60% Exceedance	4,749	7,627	6,860	6,324	6,476	5,536	3,239	3,075	5,122	8,959	6,576	4,920
70% Exceedance	3,368	5,273	6,420	5,912	6,227	5,389	2,985	2,947	5,028	7,745	4,548	4,509
80% Exceedance	2,561	3,676	4,515	5,656	5,833	5,013	2,854	2,665	4,381	4,989	3,100	4,323
90% Exceedance	2,194	2,353	2,543	5,094	5,374	4,713	2,241	2,041	1,500	1,100	2,000	2,708
Full Simulation Period Average[a]	5,513	7,757	7,026	7,082	7,645	6,578	4,349	4,202	5,374	8,390	7,557	6,230
Wet Water Years (28%)	7,588	10,790	8,506	9,219	9,989	8,560	7,136	6,755	7,394	10,645	11,003	8,482
Above Normal Water Years (14%)	5,989	10,101	8,040	7,443	8,284	6,938	4,262	4,341	5,872	10,425	10,770	6,043
Below Normal Water Years (18%)	5,889	7,557	7,029	6,410	7,115	6,217	3,812	3,675	5,511	10,031	9,119	6,974
Dry Water Years (24%)	4,226	6,099	5,476	6,217	6,324	5,763	3,085	2,921	4,937	7,720	4,351	5,486
Critical Water Years (16%)	2,768	2,649	5,726	5,080	5,562	4,424	2,049	2,129	1,903	1,823	1,770	2,734

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

Table F.2.3-8-3b. Total Delta Exports, Alt2woTUCPDeltaVA, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,921	11,280	9,924	9,941	12,199	9,933	8,072	10,293	7,759	11,780	11,780	10,953
20% Exceedance	7,283	11,280	9,068	8,273	9,923	7,821	6,083	7,486	6,006	11,570	11,780	9,620
30% Exceedance	6,721	11,280	8,303	7,138	8,215	6,327	5,358	6,229	5,583	11,297	11,175	7,548
40% Exceedance	6,257	10,481	7,586	6,735	7,184	5,872	4,005	5,127	4,992	10,344	10,534	6,632
50% Exceedance	5,605	9,371	6,996	6,353	6,484	5,317	3,189	4,294	4,711	9,741	9,068	5,636
60% Exceedance	4,402	7,770	6,855	5,932	6,120	4,702	2,824	3,519	4,542	8,516	7,879	5,126
70% Exceedance	3,395	5,637	6,439	5,594	5,774	3,695	2,633	3,151	4,448	7,771	4,554	4,779
80% Exceedance	2,784	3,420	4,858	5,283	5,442	3,107	2,308	2,540	4,270	5,132	3,284	4,315
90% Exceedance	2,031	2,208	3,108	4,897	5,023	2,703	1,892	1,966	2,047	2,726	2,051	3,601
Full Simulation Period Average[a]	5,444	7,799	7,083	6,841	7,569	5,757	4,225	5,089	5,055	8,580	7,859	6,527
Wet Water Years (28%)	7,569	10,930	8,424	9,127	10,294	9,022	6,998	8,555	7,288	10,469	10,980	8,779
Above Normal Water Years (14%)	5,803	10,331	8,015	7,298	8,479	5,561	3,549	5,323	5,411	10,716	10,990	6,933
Below Normal Water Years (18%)	5,798	7,762	7,039	6,227	6,863	4,255	3,855	4,468	5,073	10,019	9,620	7,155
Dry Water Years (24%)	4,240	5,961	5,574	5,819	5,910	4,555	2,817	3,182	4,330	7,808	4,992	5,338
Critical Water Years (16%)	2,620	2,405	6,113	4,663	5,285	3,709	2,489	2,380	1,905	2,944	1,975	3,307

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

Table F.2.3-8-3c. Total Delta Exports, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	215	0	132	-136	728	483	-430	2,353	-189	208	325	544
20% Exceedance	32	0	17	-5	242	-172	430	1,993	-346	173	374	419
30% Exceedance	-130	208	86	-225	56	-1,120	588	1,665	-272	296	111	-227
40% Exceedance	-64	378	-130	-217	-89	-669	-150	1,252	-448	-197	178	270
50% Exceedance	-183	277	-205	-222	-318	-867	-310	1,025	-514	-317	-199	91
60% Exceedance	-347	143	-5	-392	-356	-834	-415	444	-579	-443	1,303	207
70% Exceedance	27	364	19	-318	-453	-1,693	-352	204	-580	26	6	270
80% Exceedance	223	-256	343	-373	-391	-1,906	-546	-125	-111	143	185	-8
90% Exceedance	-163	-145	565	-197	-351	-2,009	-349	-75	547	1,626	51	892
Full Simulation Period Average[a]	-69	41	57	-241	-76	-821	-125	887	-319	190	301	296
Wet Water Years (28%)	-19	140	-82	-92	305	462	-138	1,799	-107	-175	-23	297
Above Normal Water Years (14%)	-186	231	-25	-145	194	-1,377	-713	981	-461	291	220	890
Below Normal Water Years (18%)	-91	206	10	-183	-252	-1,961	43	793	-438	-12	501	180
Dry Water Years (24%)	14	-138	98	-399	-414	-1,208	-269	261	-607	88	642	-148
Critical Water Years (16%)	-148	-244	388	-417	-277	-714	440	250	2	1,121	205	573

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

Table F.2.3-8-4a. Total Delta Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,706	11,280	9,791	10,077	11,472	9,450	8,502	7,940	7,949	11,572	11,455	10,409
20% Exceedance	7,251	11,280	9,051	8,279	9,681	7,993	5,653	5,492	6,351	11,396	11,406	9,202
30% Exceedance	6,851	11,072	8,217	7,362	8,158	7,448	4,770	4,564	5,855	11,001	11,064	7,775
40% Exceedance	6,321	10,103	7,717	6,953	7,273	6,541	4,155	3,875	5,440	10,540	10,357	6,362
50% Exceedance	5,788	9,094	7,201	6,575	6,802	6,184	3,499	3,270	5,226	10,059	9,267	5,544
60% Exceedance	4,749	7,627	6,860	6,324	6,476	5,536	3,239	3,075	5,122	8,959	6,576	4,920
70% Exceedance	3,368	5,273	6,420	5,912	6,227	5,389	2,985	2,947	5,028	7,745	4,548	4,509
80% Exceedance	2,561	3,676	4,515	5,656	5,833	5,013	2,854	2,665	4,381	4,989	3,100	4,323
90% Exceedance	2,194	2,353	2,543	5,094	5,374	4,713	2,241	2,041	1,500	1,100	2,000	2,708
Full Simulation Period Average[a]	5,513	7,757	7,026	7,082	7,645	6,578	4,349	4,202	5,374	8,390	7,557	6,230
Wet Water Years (28%)	7,588	10,790	8,506	9,219	9,989	8,560	7,136	6,755	7,394	10,645	11,003	8,482
Above Normal Water Years (14%)	5,989	10,101	8,040	7,443	8,284	6,938	4,262	4,341	5,872	10,425	10,770	6,043
Below Normal Water Years (18%)	5,889	7,557	7,029	6,410	7,115	6,217	3,812	3,675	5,511	10,031	9,119	6,974
Dry Water Years (24%)	4,226	6,099	5,476	6,217	6,324	5,763	3,085	2,921	4,937	7,720	4,351	5,486
Critical Water Years (16%)	2,768	2,649	5,726	5,080	5,562	4,424	2,049	2,129	1,903	1,823	1,770	2,734

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

Table F.2.3-8-4b. Total Delta Exports, Alt2woTUCPAllVA, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,972	11,280	9,637	9,941	12,132	9,975	8,048	10,340	7,768	11,773	11,780	11,041
20% Exceedance	7,532	11,280	8,947	8,273	9,928	7,821	6,086	7,430	6,065	11,533	11,780	9,160
30% Exceedance	6,795	11,280	8,142	7,134	8,215	6,314	5,382	6,337	5,584	11,189	11,198	7,491
40% Exceedance	6,308	10,489	7,588	6,732	7,207	5,877	3,994	5,132	4,945	10,542	10,540	6,428
50% Exceedance	5,698	9,591	6,997	6,341	6,485	5,319	3,196	4,399	4,712	9,770	9,175	5,534
60% Exceedance	4,501	7,897	6,851	5,936	6,137	4,508	2,870	3,467	4,545	8,683	7,816	5,137
70% Exceedance	3,402	5,650	6,420	5,579	5,774	3,657	2,631	3,109	4,446	7,226	4,536	4,767
80% Exceedance	2,665	3,424	4,786	5,226	5,442	3,104	2,379	2,463	4,183	5,034	3,360	4,261
90% Exceedance	2,030	2,251	3,287	4,879	4,989	2,652	1,898	1,963	1,766	2,853	2,108	3,433
Full Simulation Period Average[a]	5,500	7,834	7,039	6,831	7,551	5,734	4,226	5,077	5,040	8,512	7,864	6,490
Wet Water Years (28%)	7,705	10,927	8,419	9,129	10,296	9,005	7,001	8,572	7,292	10,470	10,982	8,687
Above Normal Water Years (14%)	5,935	10,330	7,992	7,308	8,408	5,604	3,556	5,276	5,407	10,665	10,939	6,712
Below Normal Water Years (18%)	5,716	7,807	6,988	6,228	6,858	4,255	3,825	4,523	5,062	9,977	9,642	7,263
Dry Water Years (24%)	4,243	6,078	5,647	5,764	5,906	4,556	2,818	3,091	4,327	7,632	4,994	5,338
Critical Water Years (16%)	2,701	2,408	5,798	4,674	5,247	3,552	2,520	2,385	1,827	2,874	2,023	3,309

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

Table F.2.3-8-4c. Total Delta Exports, Alt2woTUCPAllVA minus No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	266	0	-154	-136	661	525	-454	2,400	-181	201	325	632
20% Exceedance	281	0	-104	-5	247	-171	433	1,938	-287	136	374	-42
30% Exceedance	-56	208	-75	-229	57	-1,133	612	1,772	-271	188	134	-284
40% Exceedance	-13	387	-129	-221	-66	-664	-160	1,256	-494	1	183	66
50% Exceedance	-91	497	-204	-235	-317	-865	-303	1,129	-514	-288	-92	-11
60% Exceedance	-248	269	-9	-387	-339	-1,028	-369	392	-577	-276	1,240	217
70% Exceedance	34	377	0	-334	-453	-1,732	-354	161	-582	-518	-12	259
80% Exceedance	103	-252	272	-431	-392	-1,909	-476	-203	-198	45	260	-62
90% Exceedance	-165	-102	744	-215	-385	-2,061	-343	-78	266	1,753	107	725
Full Simulation Period Average[a]	-12	77	13	-251	-94	-844	-123	874	-333	122	307	259
Wet Water Years (28%)	117	137	-86	-90	307	445	-135	1,817	-102	-174	-21	205
Above Normal Water Years (14%)	-53	229	-48	-135	124	-1,334	-706	935	-465	240	169	669
Below Normal Water Years (18%)	-173	250	-40	-182	-257	-1,962	13	849	-449	-54	523	289
Dry Water Years (24%)	17	-21	171	-454	-418	-1,207	-267	170	-611	-88	643	-148
Critical Water Years (16%)	-67	-241	72	-405	-315	-872	471	255	-76	1,051	253	575

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

Table F.2.3-8-5a. Total Delta Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,706	11,280	9,791	10,077	11,472	9,450	8,502	7,940	7,949	11,572	11,455	10,409
20% Exceedance	7,251	11,280	9,051	8,279	9,681	7,993	5,653	5,492	6,351	11,396	11,406	9,202
30% Exceedance	6,851	11,072	8,217	7,362	8,158	7,448	4,770	4,564	5,855	11,001	11,064	7,775
40% Exceedance	6,321	10,103	7,717	6,953	7,273	6,541	4,155	3,875	5,440	10,540	10,357	6,362
50% Exceedance	5,788	9,094	7,201	6,575	6,802	6,184	3,499	3,270	5,226	10,059	9,267	5,544
60% Exceedance	4,749	7,627	6,860	6,324	6,476	5,536	3,239	3,075	5,122	8,959	6,576	4,920
70% Exceedance	3,368	5,273	6,420	5,912	6,227	5,389	2,985	2,947	5,028	7,745	4,548	4,509
80% Exceedance	2,561	3,676	4,515	5,656	5,833	5,013	2,854	2,665	4,381	4,989	3,100	4,323
90% Exceedance	2,194	2,353	2,543	5,094	5,374	4,713	2,241	2,041	1,500	1,100	2,000	2,708
Full Simulation Period Average[a]	5,513	7,757	7,026	7,082	7,645	6,578	4,349	4,202	5,374	8,390	7,557	6,230
Wet Water Years (28%)	7,588	10,790	8,506	9,219	9,989	8,560	7,136	6,755	7,394	10,645	11,003	8,482
Above Normal Water Years (14%)	5,989	10,101	8,040	7,443	8,284	6,938	4,262	4,341	5,872	10,425	10,770	6,043
Below Normal Water Years (18%)	5,889	7,557	7,029	6,410	7,115	6,217	3,812	3,675	5,511	10,031	9,119	6,974
Dry Water Years (24%)	4,226	6,099	5,476	6,217	6,324	5,763	3,085	2,921	4,937	7,720	4,351	5,486
Critical Water Years (16%)	2,768	2,649	5,726	5,080	5,562	4,424	2,049	2,129	1,903	1,823	1,770	2,734

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

Table F.2.3-8-5b. Total Delta Exports, Alt2wTUCPwoVA, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,878	11,280	9,657	9,942	12,273	10,221	9,278	10,339	7,772	11,772	11,780	11,044
20% Exceedance	7,326	11,280	8,981	8,273	9,928	8,523	7,264	7,526	6,053	11,536	11,766	9,341
30% Exceedance	6,672	11,027	8,346	7,144	8,216	7,603	6,348	6,318	5,584	11,240	11,286	7,907
40% Exceedance	6,262	10,147	7,693	6,733	7,207	6,565	5,535	5,440	4,940	10,496	10,557	6,544
50% Exceedance	5,789	9,157	6,984	6,334	6,485	6,001	4,365	4,678	4,691	9,776	9,601	5,490
60% Exceedance	4,521	7,681	6,818	5,908	6,172	5,556	3,774	3,679	4,538	8,785	6,909	4,992
70% Exceedance	3,357	5,507	6,372	5,531	5,823	5,294	3,416	3,371	4,436	7,916	4,568	4,756
80% Exceedance	2,683	3,716	4,653	5,251	5,508	4,929	3,104	2,817	4,240	4,413	2,446	4,254
90% Exceedance	2,084	2,507	2,986	4,843	5,047	4,610	2,615	2,078	1,500	1,399	1,689	3,064
Full Simulation Period Average[a]	5,446	7,796	7,063	6,847	7,599	6,763	5,121	5,247	5,043	8,351	7,626	6,408
Wet Water Years (28%)	7,585	10,754	8,605	9,145	10,309	9,401	8,017	8,571	7,292	10,522	10,972	8,648
Above Normal Water Years (14%)	5,824	10,085	8,038	7,308	8,539	7,101	5,790	5,672	5,424	10,832	11,097	6,593
Below Normal Water Years (18%)	5,666	7,666	7,026	6,244	6,919	6,202	4,768	4,668	5,009	10,234	9,442	7,311
Dry Water Years (24%)	4,202	6,053	5,575	5,720	5,889	5,640	3,518	3,463	4,387	7,384	4,361	5,428
Critical Water Years (16%)	2,805	2,930	5,638	4,792	5,362	4,169	2,269	2,384	1,798	1,713	1,589	2,780

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

Table F.2.3-8-5c. Total Delta Exports, Alt2wTUCPwoVA minus No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	172	0	-135	-135	801	772	776	2,399	-177	200	325	635
20% Exceedance	75	0	-69	-6	247	530	1,611	2,033	-298	140	360	140
30% Exceedance	-179	-45	129	-219	58	155	1,578	1,754	-271	240	223	132
40% Exceedance	-59	44	-24	-220	-66	24	1,381	1,564	-499	-45	200	182
50% Exceedance	1	64	-216	-242	-317	-183	866	1,408	-535	-283	334	-54
60% Exceedance	-227	53	-42	-416	-303	20	535	604	-583	-174	333	73
70% Exceedance	-12	234	-48	-382	-404	-94	431	424	-593	172	20	247
80% Exceedance	122	40	138	-405	-325	-84	249	152	-141	-576	-653	-69
90% Exceedance	-110	154	443	-251	-326	-103	374	37	0	299	-311	355
Full Simulation Period Average[a]	-66	38	38	-235	-46	185	772	1,044	-330	-39	69	178
Wet Water Years (28%)	-4	-36	99	-74	321	841	881	1,816	-102	-123	-32	166
Above Normal Water Years (14%)	-165	-16	-3	-134	255	163	1,527	1,331	-448	407	327	550
Below Normal Water Years (18%)	-223	109	-3	-166	-196	-14	956	993	-501	203	323	337
Dry Water Years (24%)	-25	-46	99	-498	-435	-123	432	542	-551	-335	10	-58
Critical Water Years (16%)	37	282	-88	-287	-200	-255	220	254	-105	-110	-181	46

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

Table F.2.3-8-6a. Total Delta Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,706	11,280	9,791	10,077	11,472	9,450	8,502	7,940	7,949	11,572	11,455	10,409
20% Exceedance	7,251	11,280	9,051	8,279	9,681	7,993	5,653	5,492	6,351	11,396	11,406	9,202
30% Exceedance	6,851	11,072	8,217	7,362	8,158	7,448	4,770	4,564	5,855	11,001	11,064	7,775
40% Exceedance	6,321	10,103	7,717	6,953	7,273	6,541	4,155	3,875	5,440	10,540	10,357	6,362
50% Exceedance	5,788	9,094	7,201	6,575	6,802	6,184	3,499	3,270	5,226	10,059	9,267	5,544
60% Exceedance	4,749	7,627	6,860	6,324	6,476	5,536	3,239	3,075	5,122	8,959	6,576	4,920
70% Exceedance	3,368	5,273	6,420	5,912	6,227	5,389	2,985	2,947	5,028	7,745	4,548	4,509
80% Exceedance	2,561	3,676	4,515	5,656	5,833	5,013	2,854	2,665	4,381	4,989	3,100	4,323
90% Exceedance	2,194	2,353	2,543	5,094	5,374	4,713	2,241	2,041	1,500	1,100	2,000	2,708
Full Simulation Period Average[a]	5,513	7,757	7,026	7,082	7,645	6,578	4,349	4,202	5,374	8,390	7,557	6,230
Wet Water Years (28%)	7,588	10,790	8,506	9,219	9,989	8,560	7,136	6,755	7,394	10,645	11,003	8,482
Above Normal Water Years (14%)	5,989	10,101	8,040	7,443	8,284	6,938	4,262	4,341	5,872	10,425	10,770	6,043
Below Normal Water Years (18%)	5,889	7,557	7,029	6,410	7,115	6,217	3,812	3,675	5,511	10,031	9,119	6,974
Dry Water Years (24%)	4,226	6,099	5,476	6,217	6,324	5,763	3,085	2,921	4,937	7,720	4,351	5,486
Critical Water Years (16%)	2,768	2,649	5,726	5,080	5,562	4,424	2,049	2,129	1,903	1,823	1,770	2,734

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

Table F.2.3-8-6b. Total Delta Exports, Alternative 3, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7,562	11,280	7,806	9,493	10,491	9,627	2,817	1,935	7,041	3,936	4,736	6,691
20% Exceedance	6,657	8,895	6,315	7,567	8,902	7,313	2,032	1,499	4,723	3,542	3,870	5,871
30% Exceedance	5,410	6,773	5,033	6,662	7,511	6,587	1,761	1,303	2,926	3,241	3,456	5,258
40% Exceedance	5,050	5,620	3,558	5,813	6,646	4,320	1,589	1,041	2,121	2,893	3,278	4,727
50% Exceedance	4,456	4,794	3,061	4,907	5,556	2,808	1,245	970	1,536	2,121	3,103	4,367
60% Exceedance	3,428	3,484	2,375	3,661	4,186	2,072	1,086	900	1,500	1,621	2,857	4,083
70% Exceedance	2,874	2,730	1,472	2,955	3,300	1,669	1,000	900	1,037	1,500	2,430	3,760
80% Exceedance	2,368	2,405	900	1,941	2,062	1,517	930	900	900	1,490	2,105	3,035
90% Exceedance	2,003	1,779	900	1,458	1,497	1,277	900	900	900	1,026	1,506	2,070
Full Simulation Period Average[a]	4,659	5,384	3,733	5,163	5,829	4,433	1,612	1,291	2,846	2,726	3,127	4,624
Wet Water Years (28%)	5,617	6,143	5,148	7,614	6,834	4,320	1,974	1,424	5,585	3,464	3,601	5,333
Above Normal Water Years (14%)	4,339	4,418	3,700	5,653	7,591	5,352	1,718	1,257	2,739	2,154	2,935	3,860
Below Normal Water Years (18%)	5,071	7,449	3,517	4,388	5,075	4,833	2,034	1,569	2,286	2,465	3,360	5,620
Dry Water Years (24%)	4,707	5,507	3,641	3,399	5,177	4,867	1,203	1,158	1,249	3,115	3,238	4,860
Critical Water Years (16%)	2,617	2,258	1,529	3,965	4,353	2,725	1,021	971	1,171	1,643	2,035	2,580

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

Table F.2.3-8-6c. Total Delta Exports, Alternative 3 minus No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,144	0	-1,985	-584	-981	177	-5,685	-6,006	-908	-7,636	-6,719	-3,718
20% Exceedance	-594	-2,385	-2,736	-712	-779	-679	-3,621	-3,994	-1,628	-7,854	-7,536	-3,330
30% Exceedance	-1,441	-4,299	-3,184	-700	-647	-861	-3,009	-3,262	-2,929	-7,760	-7,608	-2,517
40% Exceedance	-1,270	-4,482	-4,159	-1,140	-627	-2,221	-2,566	-2,834	-3,318	-7,647	-7,079	-1,635
50% Exceedance	-1,332	-4,300	-4,140	-1,668	-1,246	-3,376	-2,254	-2,300	-3,689	-7,938	-6,164	-1,178
60% Exceedance	-1,321	-4,144	-4,485	-2,662	-2,290	-3,464	-2,153	-2,175	-3,622	-7,339	-3,719	-837
70% Exceedance	-494	-2,543	-4,948	-2,958	-2,927	-3,720	-1,985	-2,047	-3,992	-6,245	-2,118	-748
80% Exceedance	-193	-1,271	-3,615	-3,715	-3,771	-3,496	-1,924	-1,765	-3,481	-3,499	-994	-1,288
90% Exceedance	-192	-574	-1,643	-3,636	-3,877	-3,436	-1,341	-1,141	-600	-74	-494	-638
Full Simulation Period Average[a]	-854	-2,374	-3,293	-1,919	-1,816	-2,145	-2,738	-2,912	-2,528	-5,664	-4,431	-1,606
Wet Water Years (28%)	-1,972	-4,646	-3,358	-1,605	-3,154	-4,240	-5,162	-5,331	-1,809	-7,181	-7,402	-3,149
Above Normal Water Years (14%)	-1,650	-5,683	-4,340	-1,790	-693	-1,586	-2,544	-3,084	-3,133	-8,271	-7,835	-2,183
Below Normal Water Years (18%)	-818	-107	-3,511	-2,023	-2,040	-1,384	-1,778	-2,105	-3,224	-7,566	-5,759	-1,354
Dry Water Years (24%)	481	-593	-1,835	-2,818	-1,147	-896	-1,882	-1,763	-3,688	-4,605	-1,113	-627
Critical Water Years (16%)	-151	-391	-4,197	-1,115	-1,209	-1,699	-1,028	-1,158	-732	-180	265	-155

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

Table F.2.3-8-7a. Total Delta Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8,706	11,280	9,791	10,077	11,472	9,450	8,502	7,940	7,949	11,572	11,455	10,409
20% Exceedance	7,251	11,280	9,051	8,279	9,681	7,993	5,653	5,492	6,351	11,396	11,406	9,202
30% Exceedance	6,851	11,072	8,217	7,362	8,158	7,448	4,770	4,564	5,855	11,001	11,064	7,775
40% Exceedance	6,321	10,103	7,717	6,953	7,273	6,541	4,155	3,875	5,440	10,540	10,357	6,362
50% Exceedance	5,788	9,094	7,201	6,575	6,802	6,184	3,499	3,270	5,226	10,059	9,267	5,544
60% Exceedance	4,749	7,627	6,860	6,324	6,476	5,536	3,239	3,075	5,122	8,959	6,576	4,920
70% Exceedance	3,368	5,273	6,420	5,912	6,227	5,389	2,985	2,947	5,028	7,745	4,548	4,509
80% Exceedance	2,561	3,676	4,515	5,656	5,833	5,013	2,854	2,665	4,381	4,989	3,100	4,323
90% Exceedance	2,194	2,353	2,543	5,094	5,374	4,713	2,241	2,041	1,500	1,100	2,000	2,708
Full Simulation Period Average[a]	5,513	7,757	7,026	7,082	7,645	6,578	4,349	4,202	5,374	8,390	7,557	6,230
Wet Water Years (28%)	7,588	10,790	8,506	9,219	9,989	8,560	7,136	6,755	7,394	10,645	11,003	8,482
Above Normal Water Years (14%)	5,989	10,101	8,040	7,443	8,284	6,938	4,262	4,341	5,872	10,425	10,770	6,043
Below Normal Water Years (18%)	5,889	7,557	7,029	6,410	7,115	6,217	3,812	3,675	5,511	10,031	9,119	6,974
Dry Water Years (24%)	4,226	6,099	5,476	6,217	6,324	5,763	3,085	2,921	4,937	7,720	4,351	5,486
Critical Water Years (16%)	2,768	2,649	5,726	5,080	5,562	4,424	2,049	2,129	1,903	1,823	1,770	2,734

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

Table F.2.3-8-7b. Total Delta Exports, Alternative 4, Monthly Delivery (cfs)

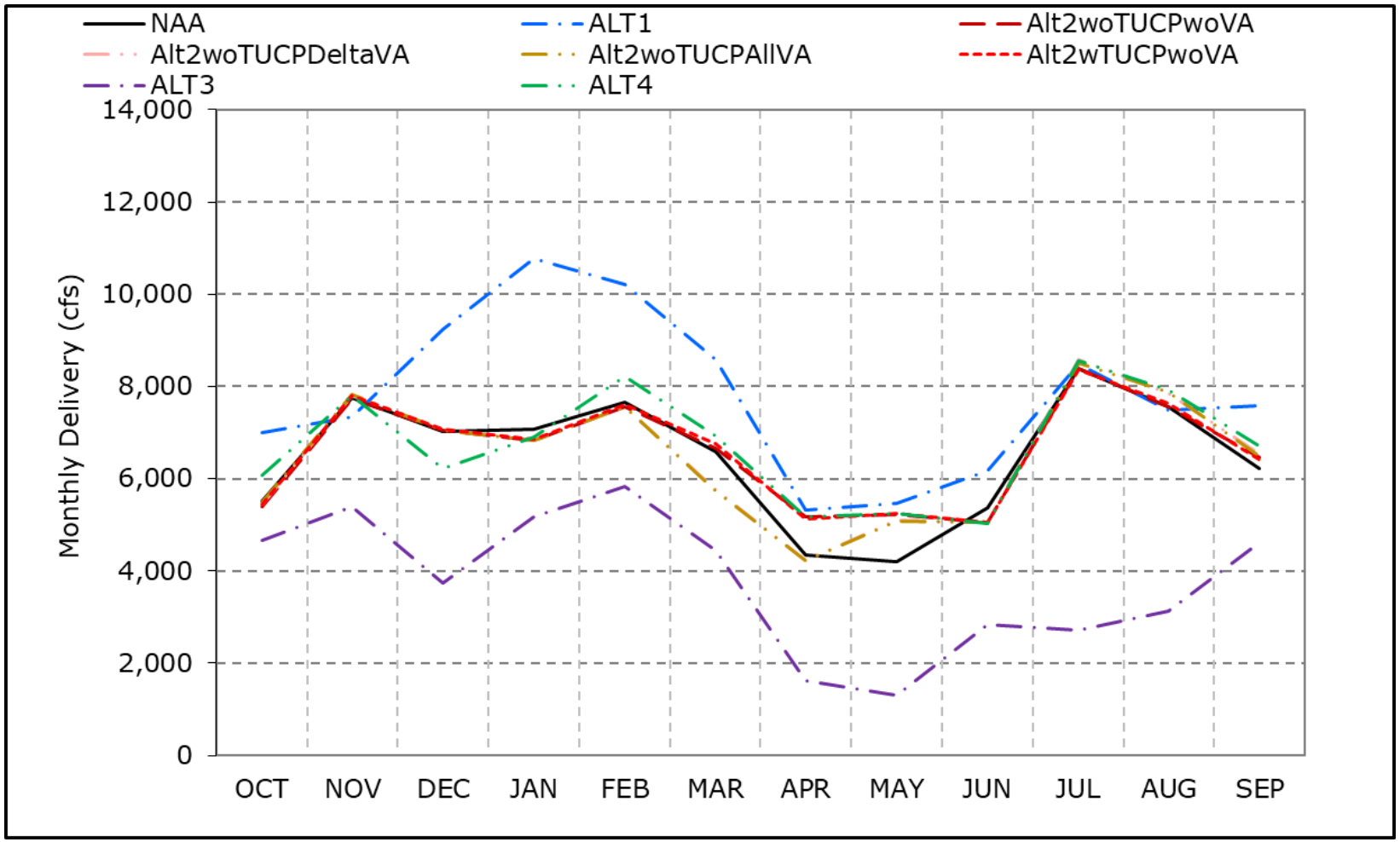
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	11,004	11,280	8,416	9,647	12,297	10,516	9,339	9,815	7,775	11,762	11,780	11,780
20% Exceedance	8,743	11,280	7,748	7,810	10,375	8,919	7,326	7,535	6,078	11,576	11,780	10,154
30% Exceedance	7,786	11,227	7,197	7,117	8,992	8,016	6,451	6,340	5,582	11,244	11,750	8,057
40% Exceedance	6,892	10,355	6,892	6,745	8,032	7,126	5,549	5,476	4,951	10,900	11,260	6,665
50% Exceedance	6,049	9,053	6,187	6,556	7,588	6,245	4,463	4,700	4,734	10,352	10,141	5,916
60% Exceedance	5,455	7,421	5,973	6,261	7,040	5,752	3,777	3,664	4,563	9,672	7,176	5,404
70% Exceedance	3,601	5,394	5,588	5,870	6,608	5,331	3,456	3,379	4,468	7,922	4,537	4,791
80% Exceedance	2,627	3,536	4,214	5,428	6,182	4,995	3,137	2,973	4,279	4,576	2,860	4,344
90% Exceedance	2,042	2,426	2,672	5,078	5,316	4,631	2,647	2,238	1,482	1,411	1,745	3,258
Full Simulation Period Average[a]	6,071	7,808	6,216	6,907	8,218	6,931	5,175	5,252	5,037	8,564	7,913	6,716
Wet Water Years (28%)	9,067	10,730	7,070	8,850	10,539	9,684	8,102	8,510	7,221	10,614	11,435	9,269
Above Normal Water Years (14%)	6,815	10,183	6,932	7,072	9,170	7,408	5,823	5,716	5,431	10,944	11,615	7,317
Below Normal Water Years (18%)	5,909	7,656	6,605	6,266	7,575	6,221	4,815	4,696	5,039	10,587	9,671	7,253
Dry Water Years (24%)	4,242	6,022	5,123	6,267	6,783	5,716	3,584	3,545	4,399	7,807	4,532	5,520
Critical Water Years (16%)	2,856	3,019	5,186	5,045	6,201	4,314	2,276	2,329	1,822	1,755	1,604	2,910

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

Table F.2.3-8-7c. Total Delta Exports, Alternative 4 minus No Action Alternative, Monthly Delivery (cfs)

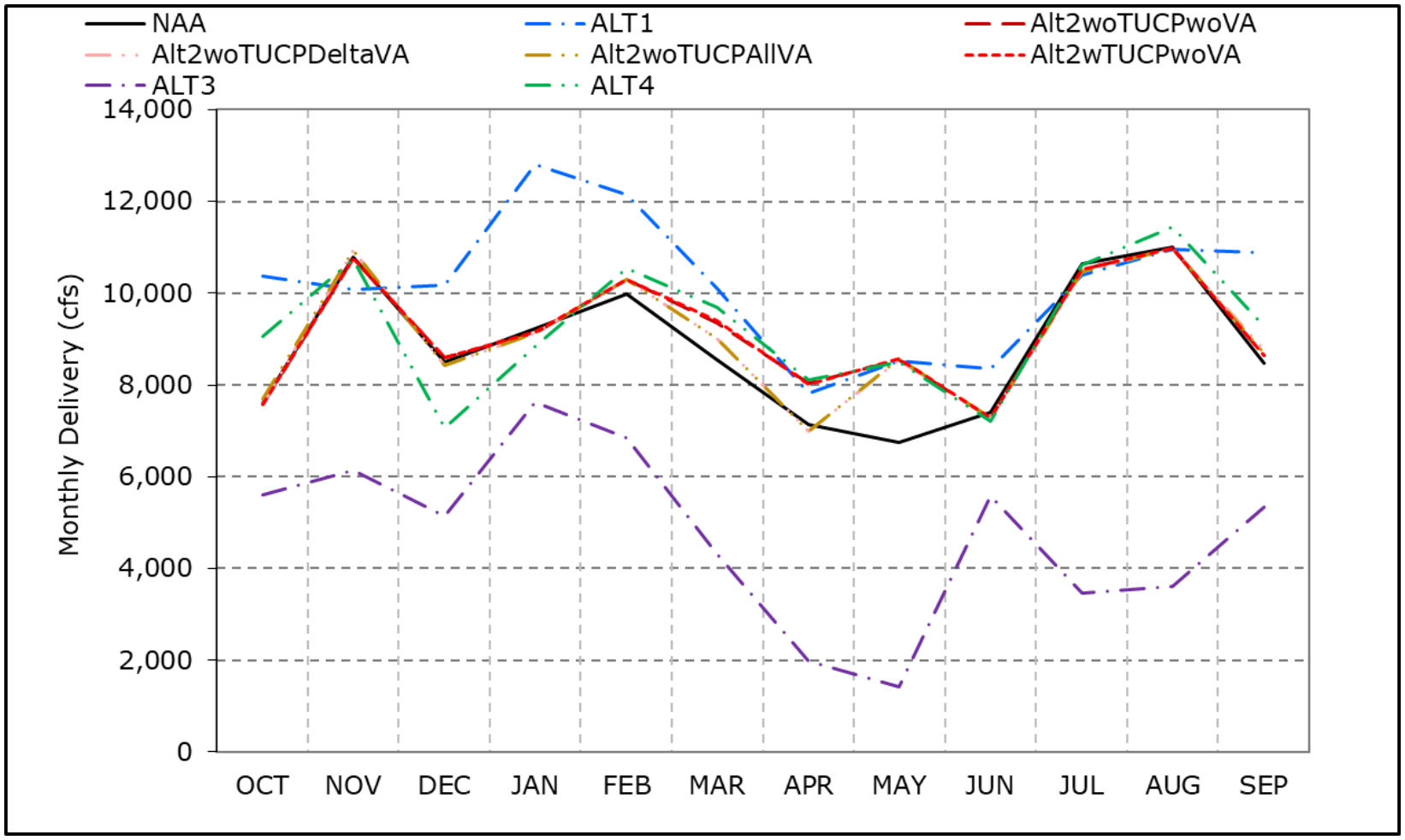
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,298	0	-1,375	-430	826	1,067	837	1,875	-174	190	325	1,371
20% Exceedance	1,492	0	-1,302	-469	694	927	1,673	2,043	-273	180	374	952
30% Exceedance	935	156	-1,020	-246	834	568	1,681	1,776	-274	244	687	282
40% Exceedance	571	252	-825	-207	759	585	1,394	1,600	-488	360	903	303
50% Exceedance	260	-40	-1,014	-19	786	61	964	1,430	-492	293	874	372
60% Exceedance	707	-207	-887	-62	564	215	538	589	-559	713	600	484
70% Exceedance	233	122	-832	-43	382	-57	471	432	-561	177	-11	282
80% Exceedance	65	-140	-301	-228	349	-18	282	308	-101	-413	-240	21
90% Exceedance	-152	73	128	-16	-57	-82	405	197	-18	311	-256	550
Full Simulation Period Average[a]	559	51	-810	-175	573	353	825	1,049	-337	174	355	485
Wet Water Years (28%)	1,479	-60	-1,435	-369	550	1,124	966	1,755	-173	-31	432	787
Above Normal Water Years (14%)	826	82	-1,108	-371	886	470	1,560	1,374	-441	519	845	1,274
Below Normal Water Years (18%)	20	99	-424	-145	460	5	1,003	1,021	-472	556	552	279
Dry Water Years (24%)	16	-77	-353	49	459	-47	498	624	-538	87	181	34
Critical Water Years (16%)	88	370	-540	-35	639	-109	227	199	-81	-69	-166	176

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



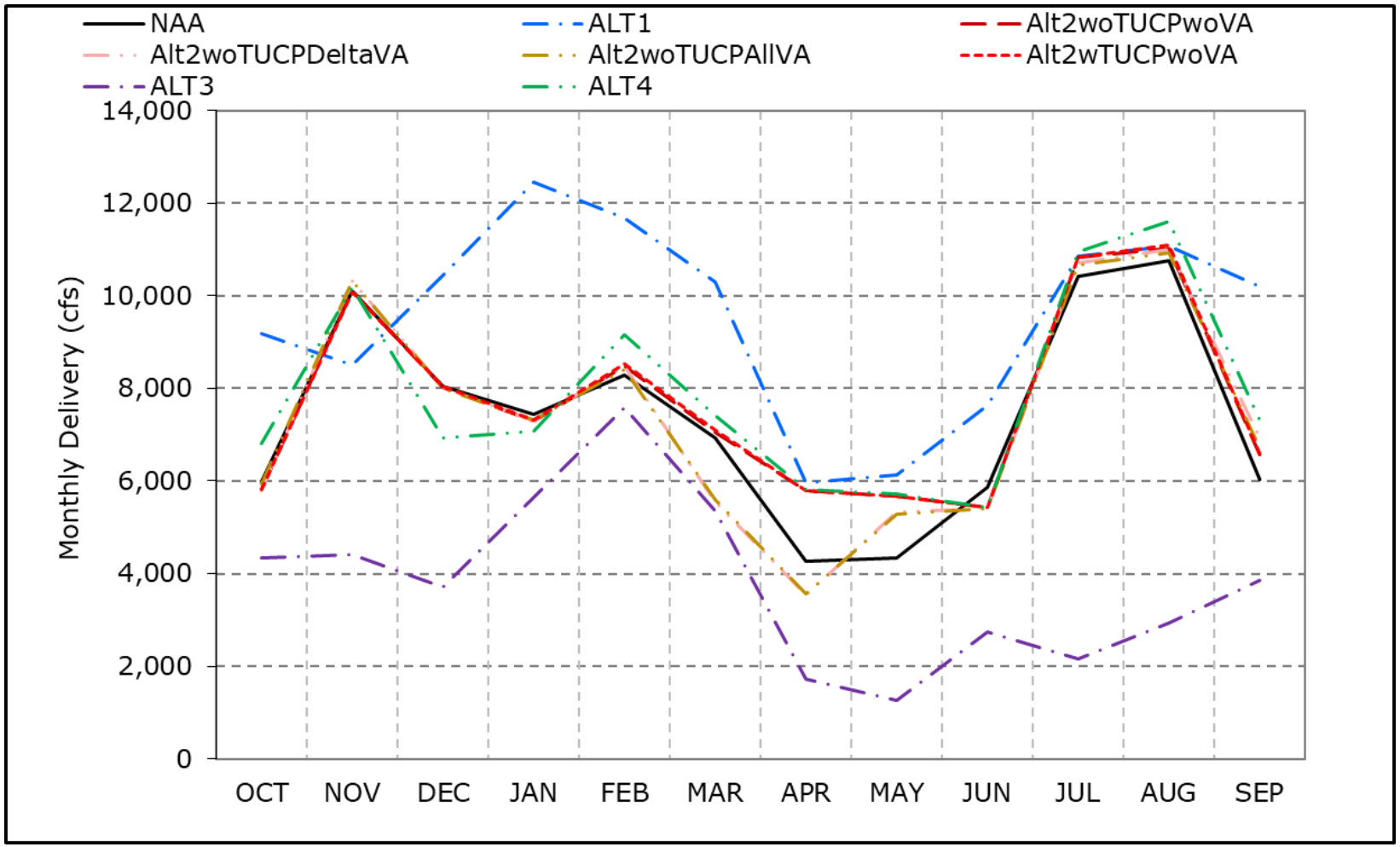
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-8-1. Total Delta Exports, Long-Term Average Delivery



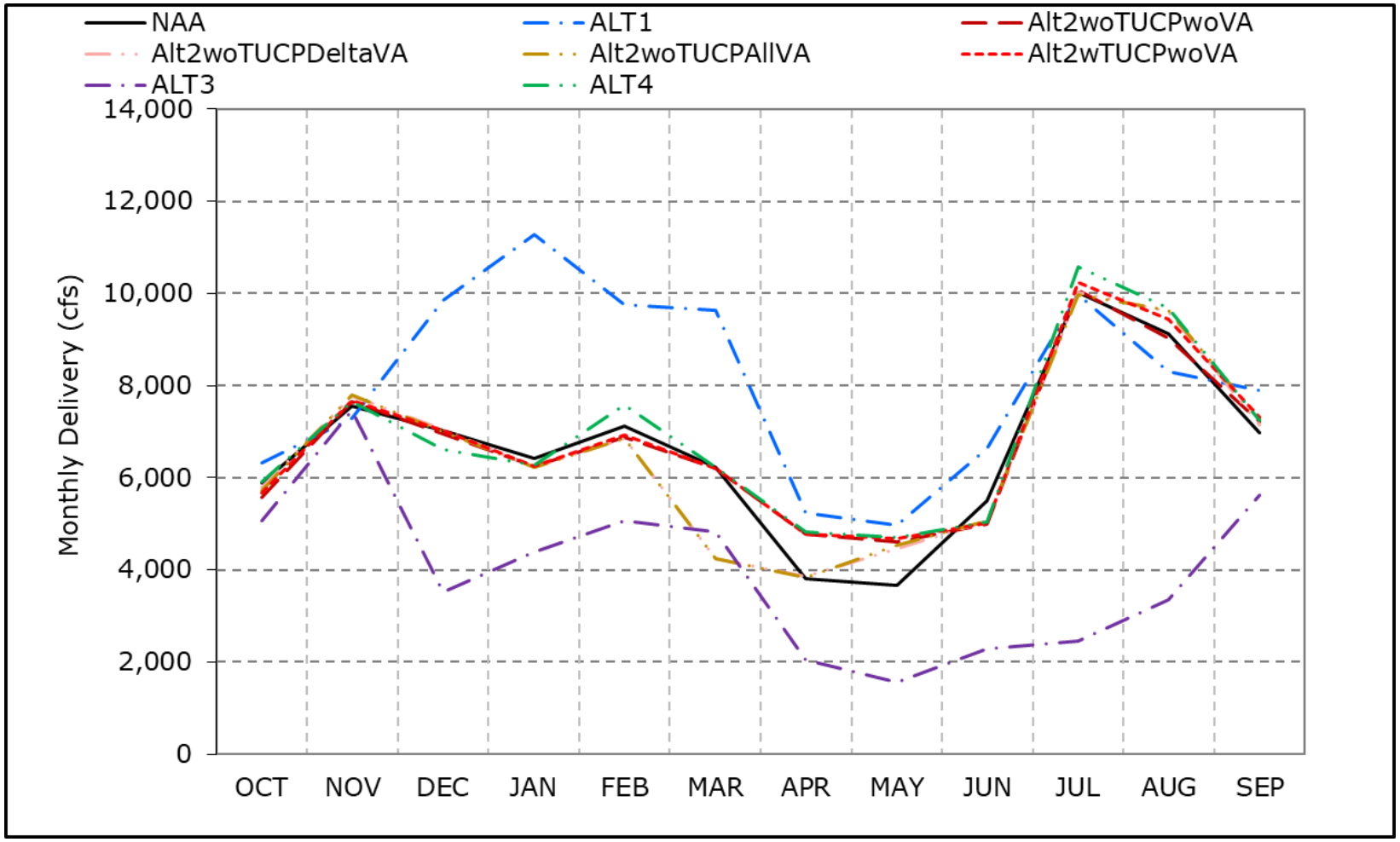
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-8-2. Total Delta Exports, Wet Year Average Delivery



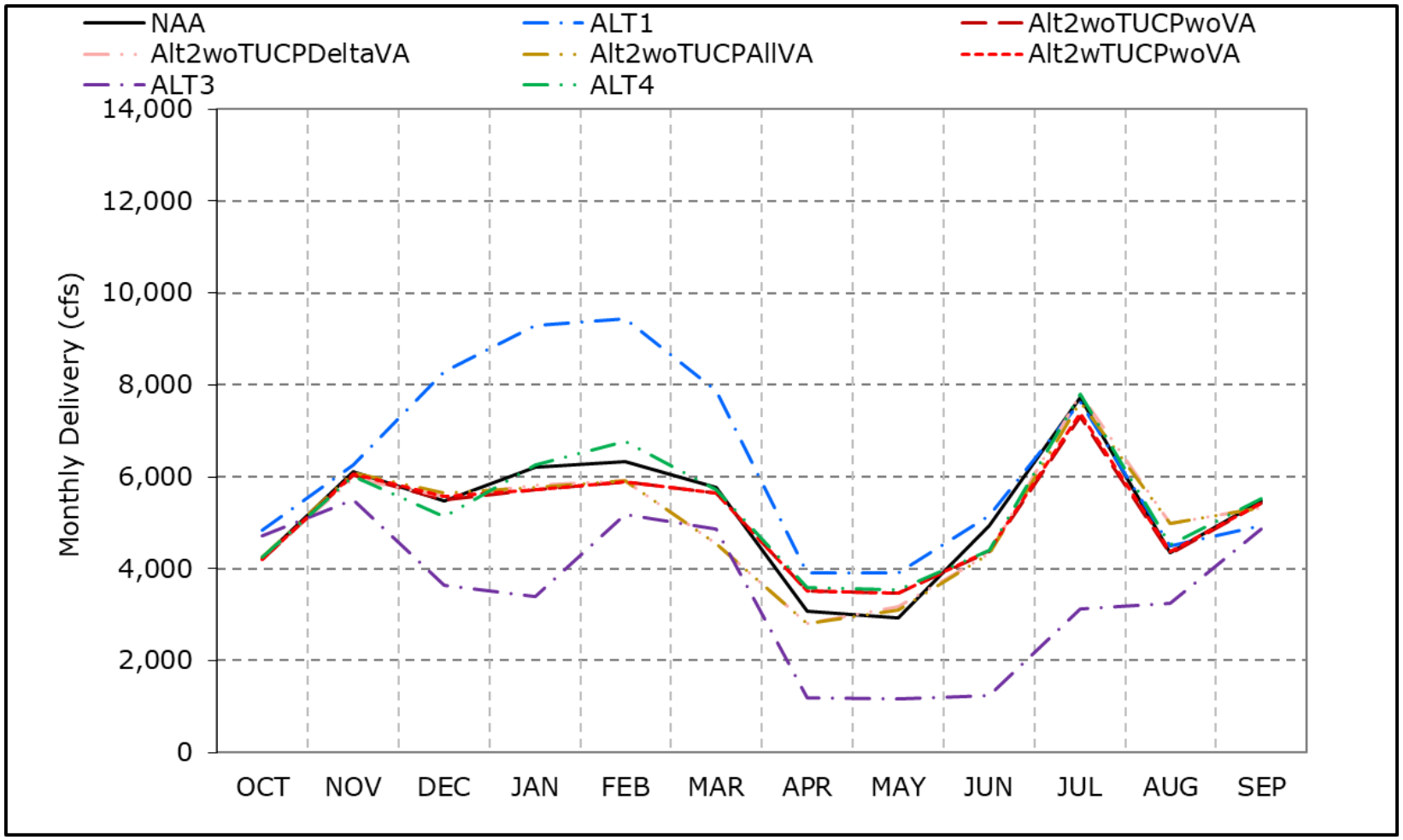
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-8-3. Total Delta Exports, Above Normal Year Average Delivery



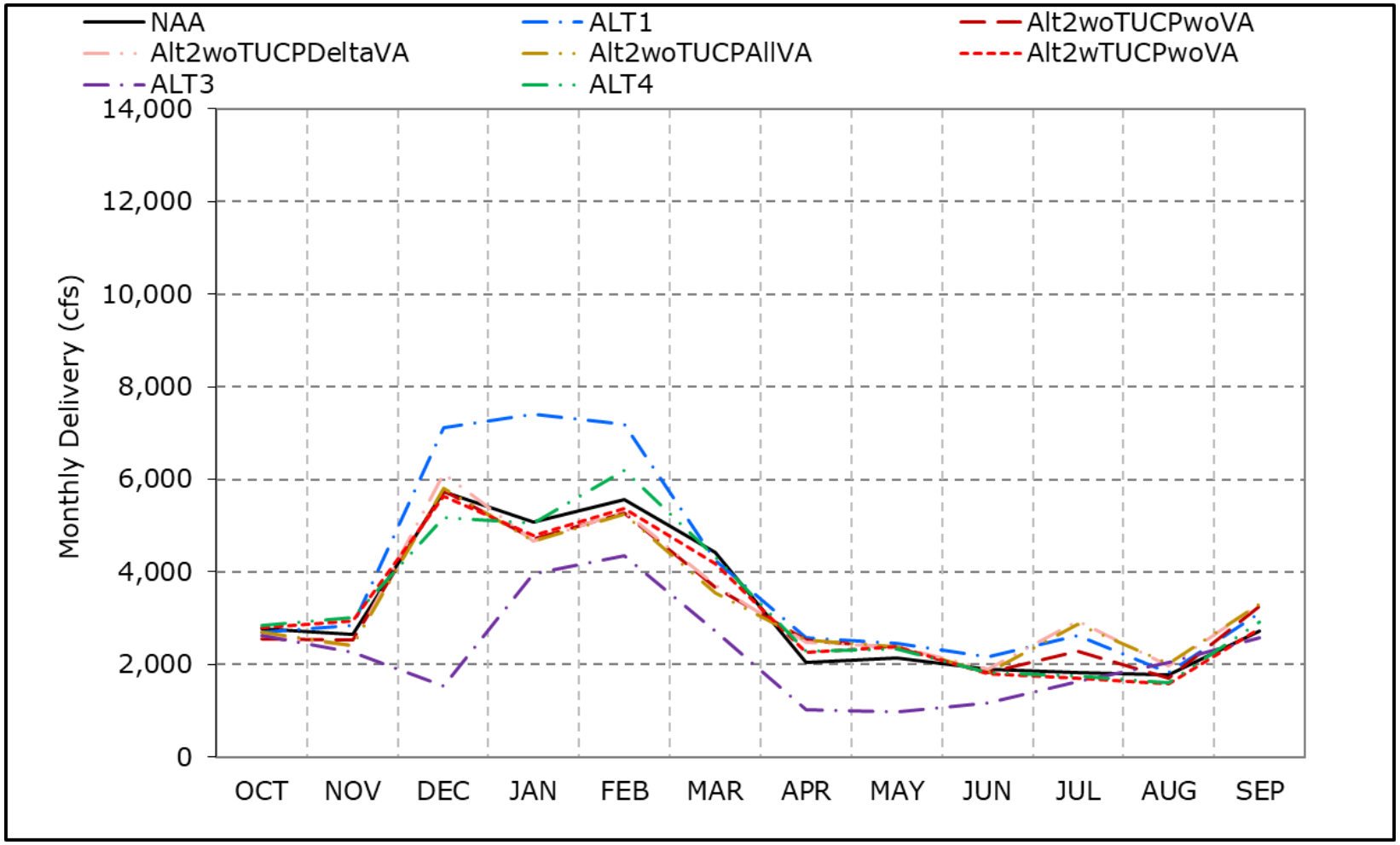
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-8-4. Total Delta Exports, Below Normal Year Average Delivery



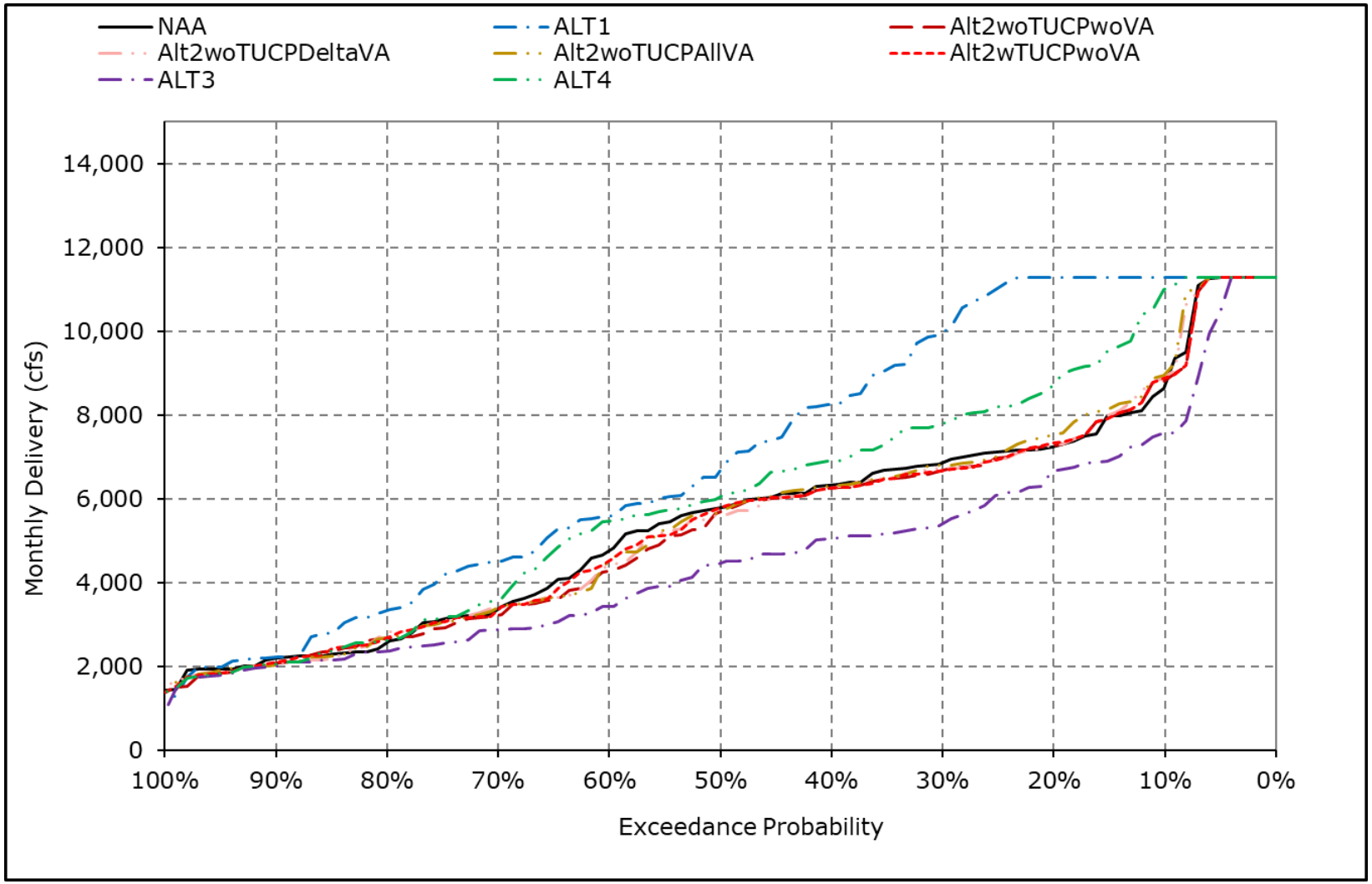
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-8-5. Total Delta Exports, Dry Year Average Delivery



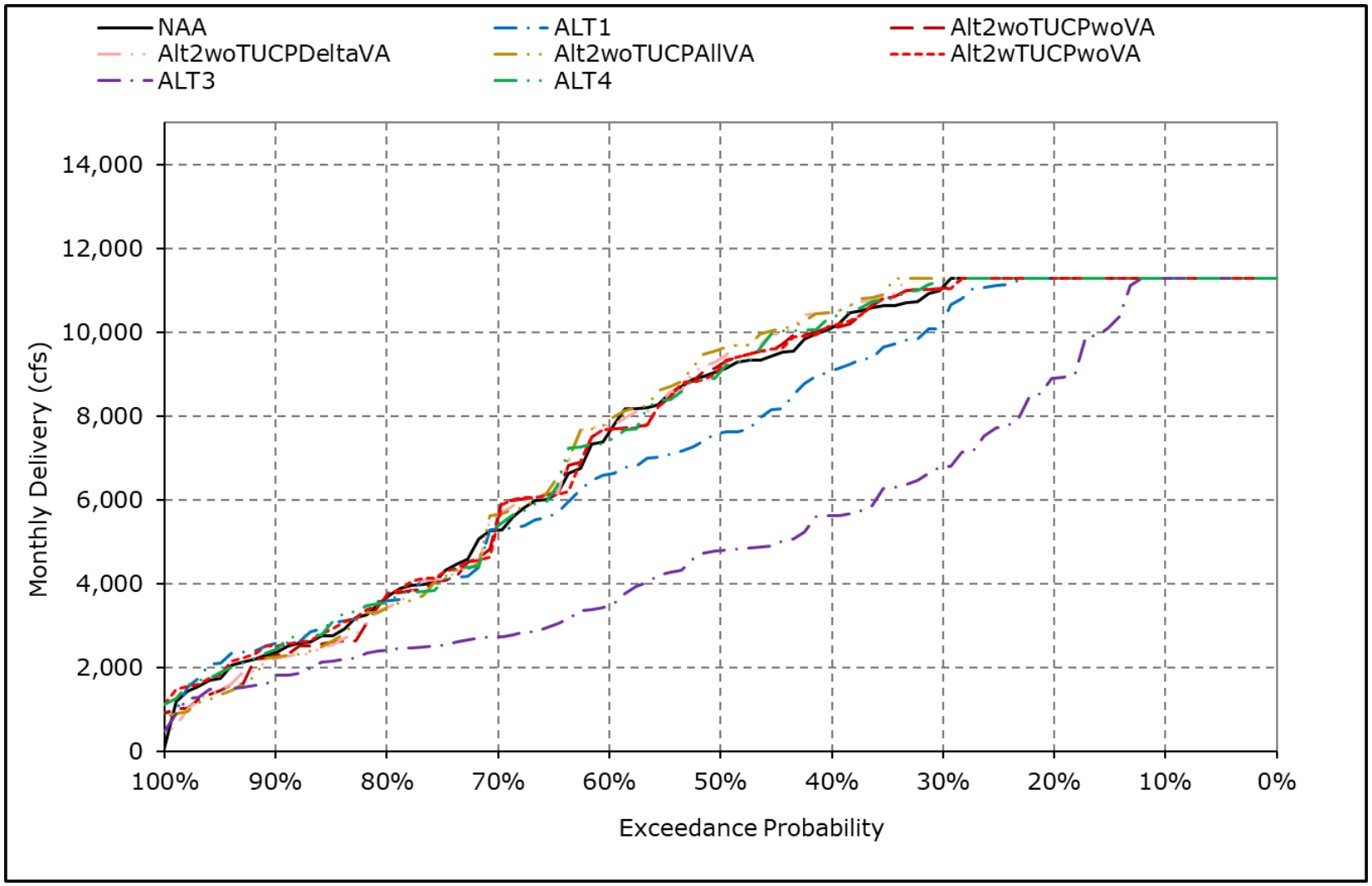
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-8-6. Total Delta Exports, Critical Year Average Delivery



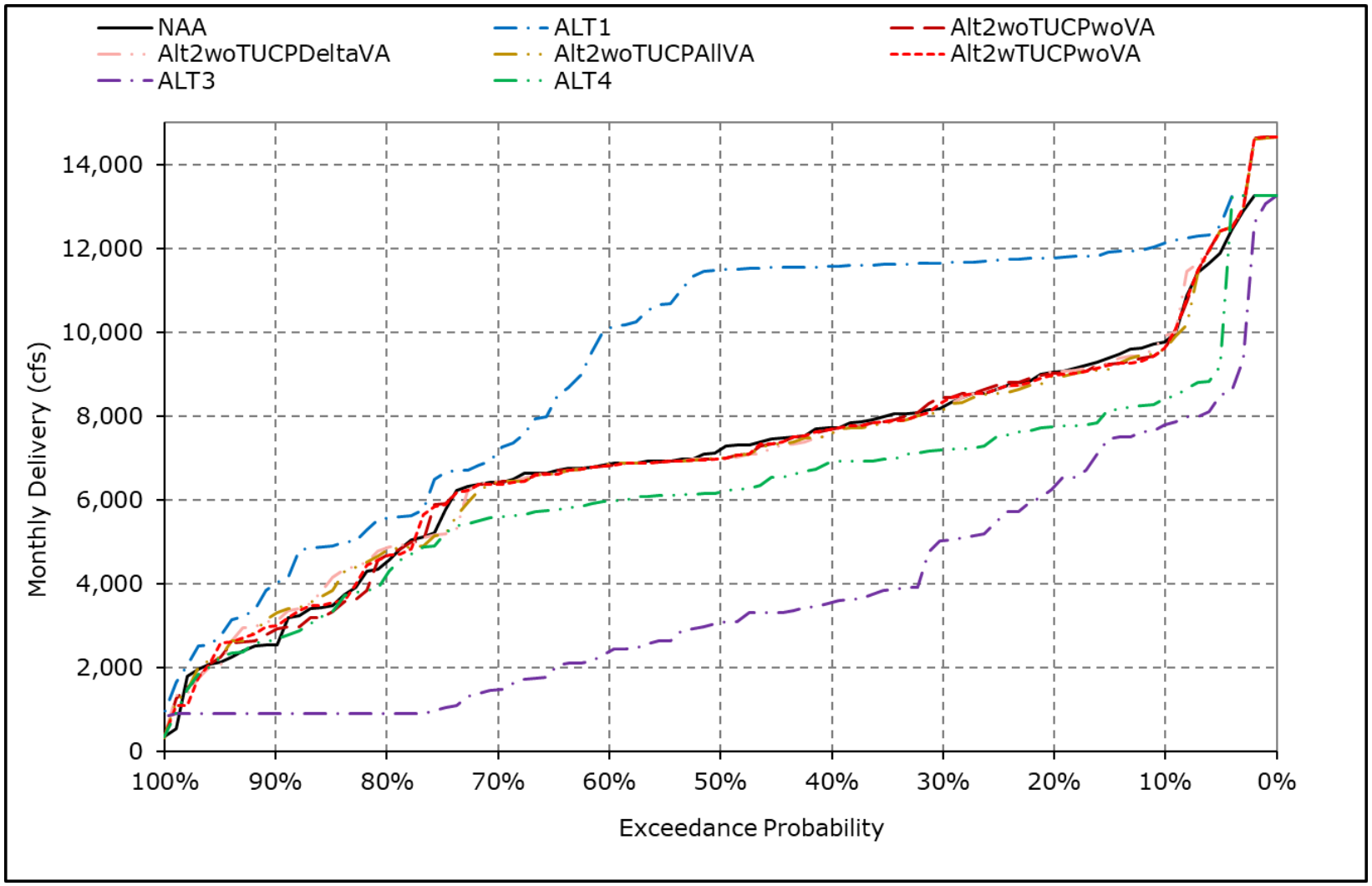
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-8-7. Total Delta Exports, October



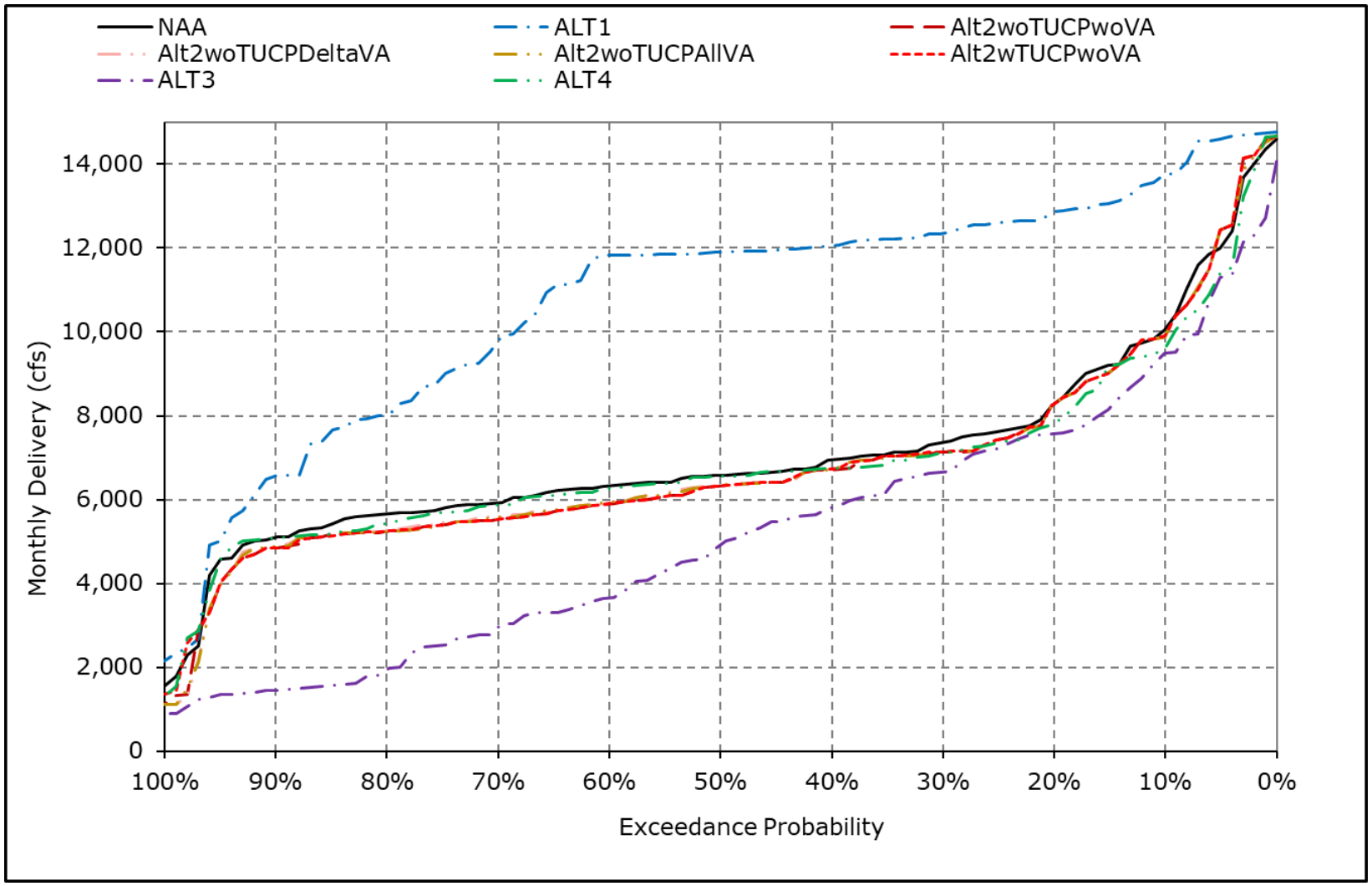
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-8-8. Total Delta Exports, November



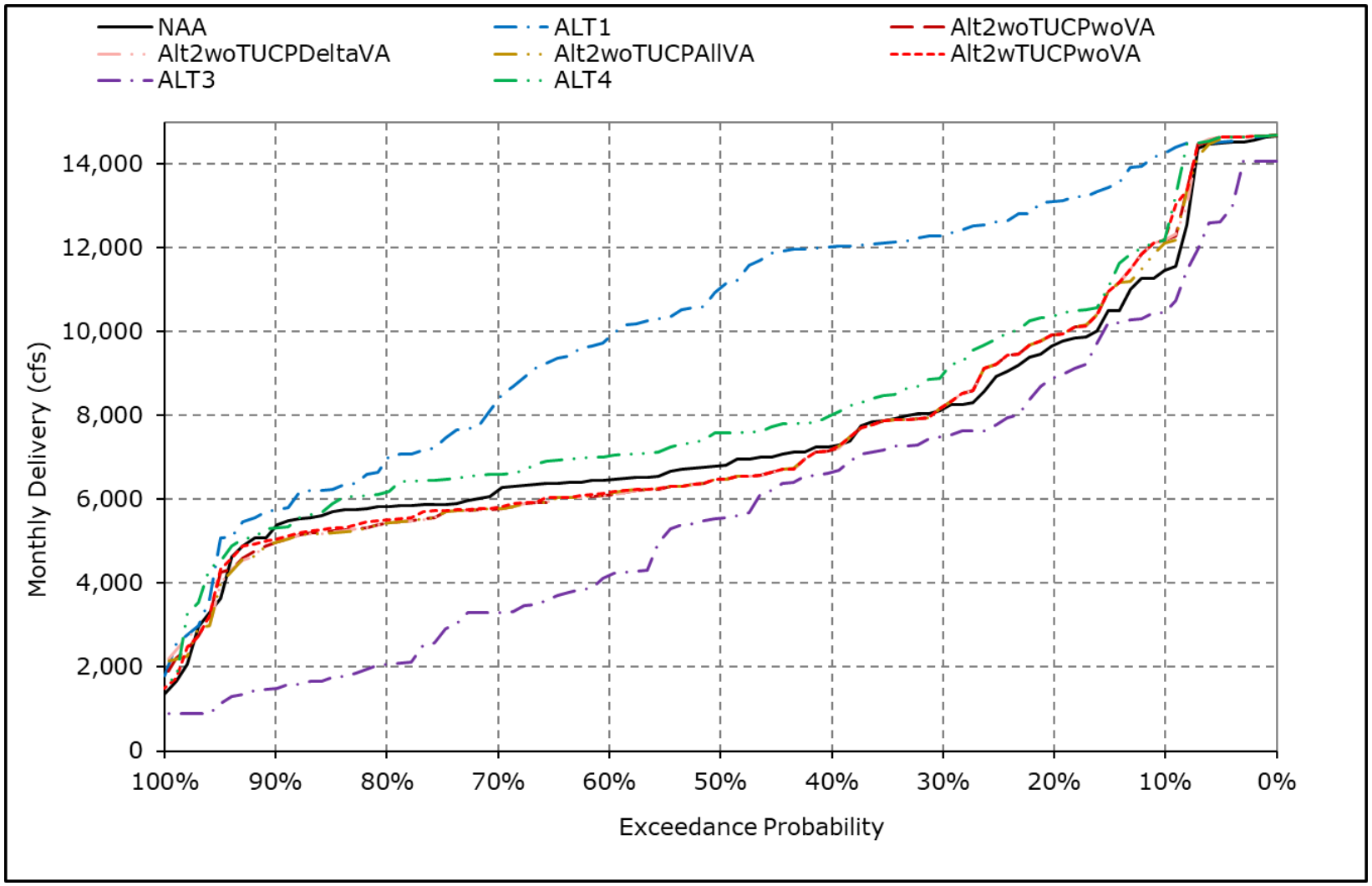
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-8-9. Total Delta Exports, December



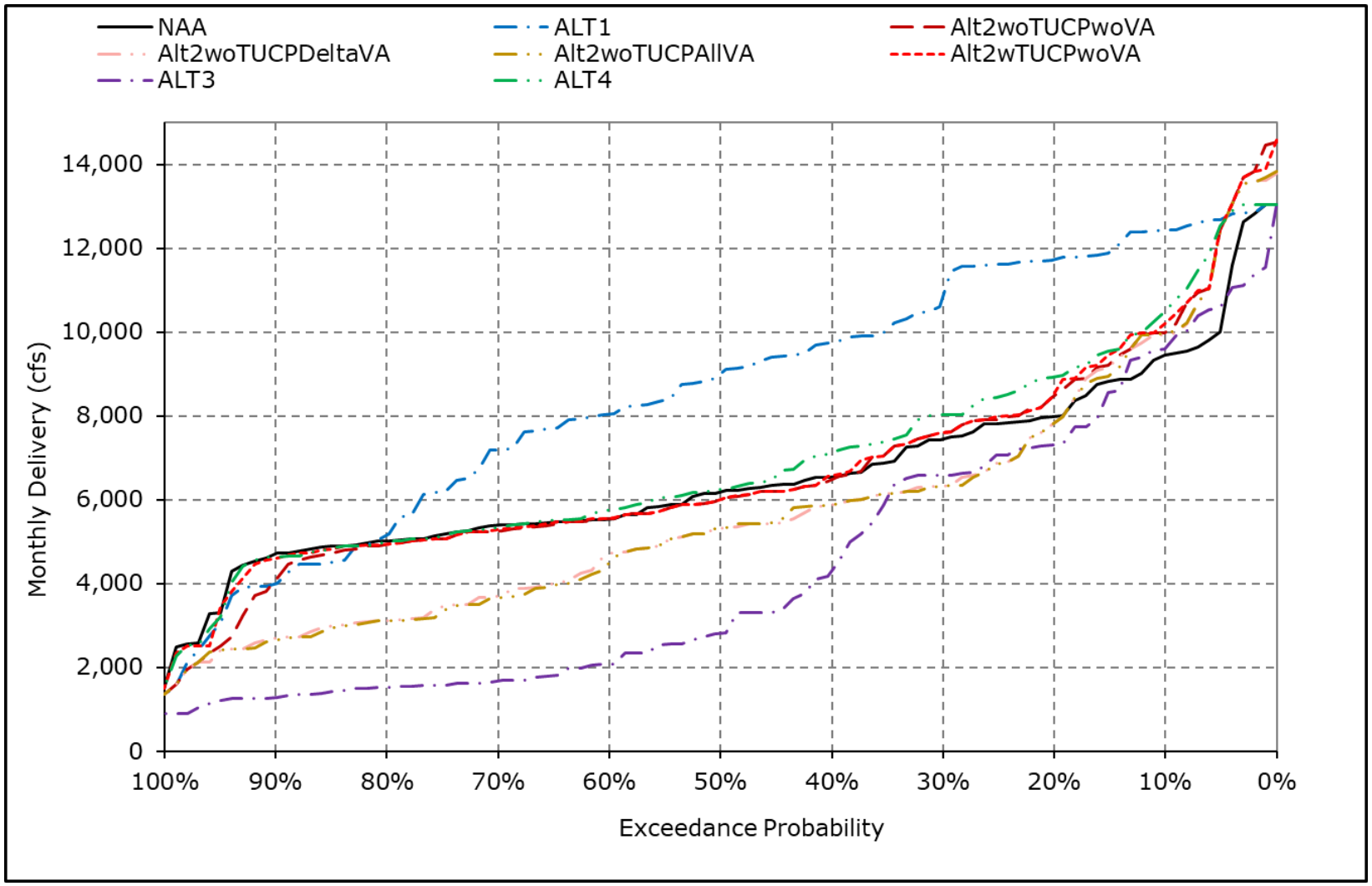
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-8-10. Total Delta Exports, January



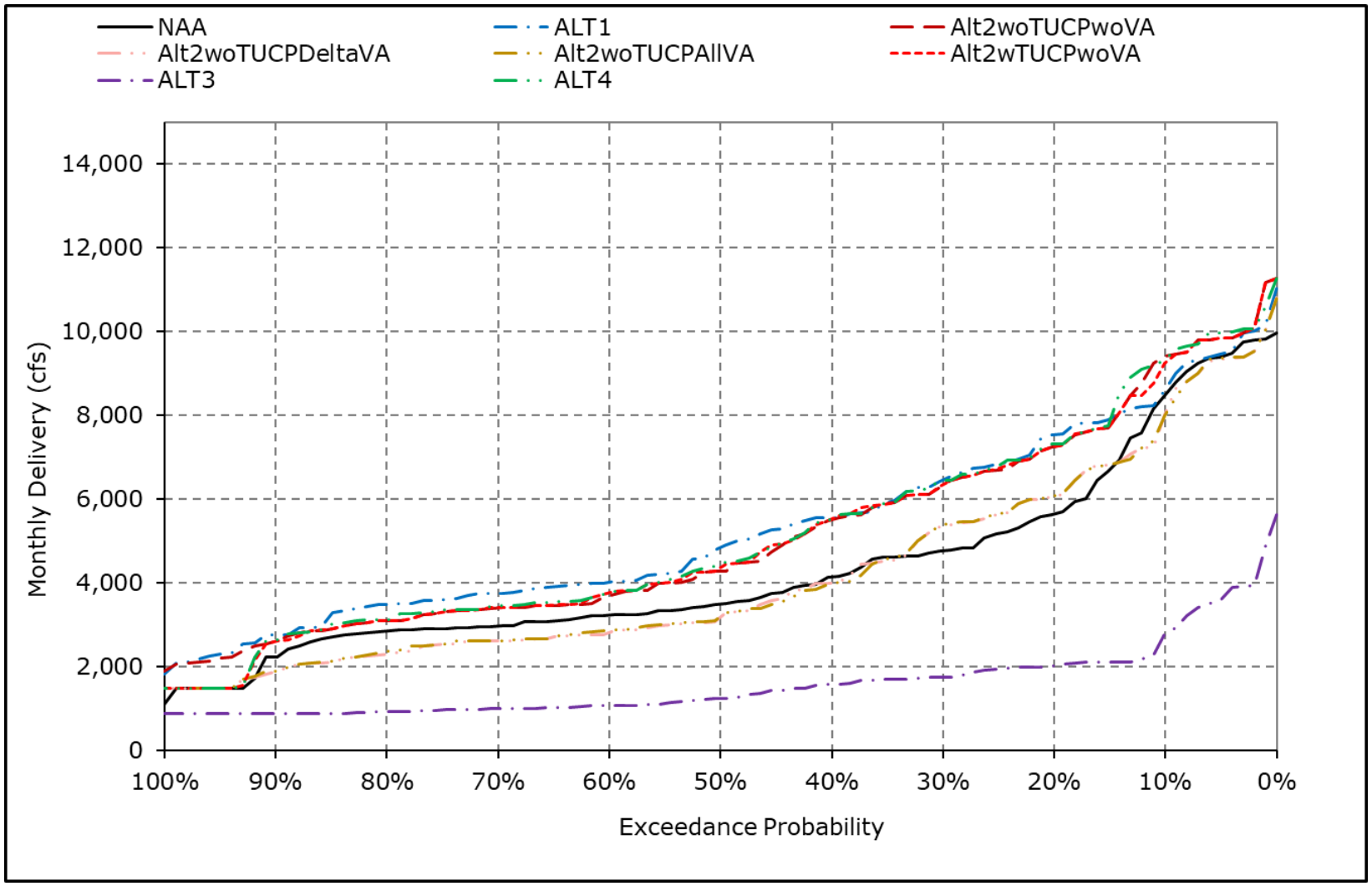
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-8-11. Total Delta Exports, February



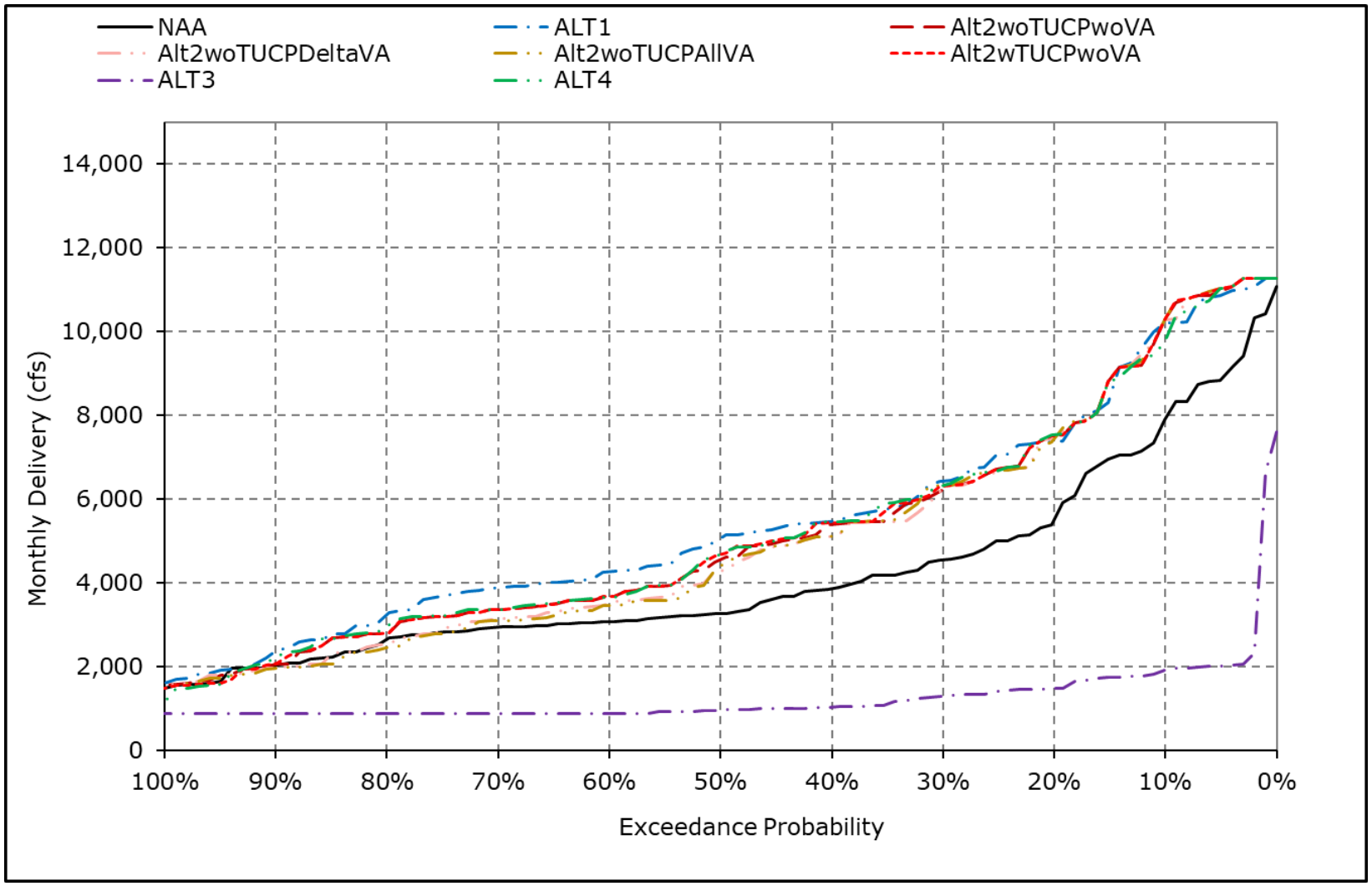
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-8-12. Total Delta Exports, March



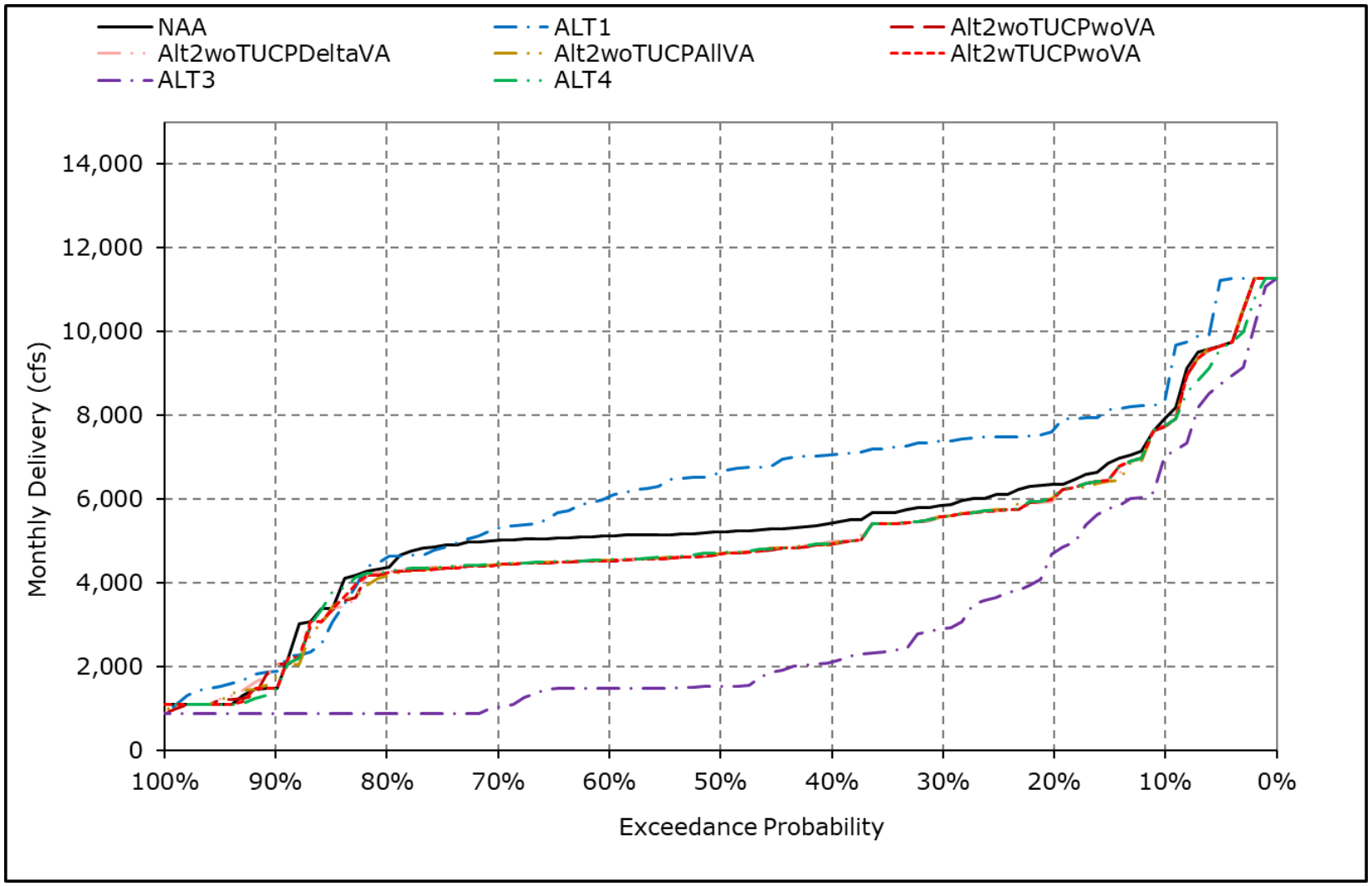
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-8-13. Total Delta Exports, April



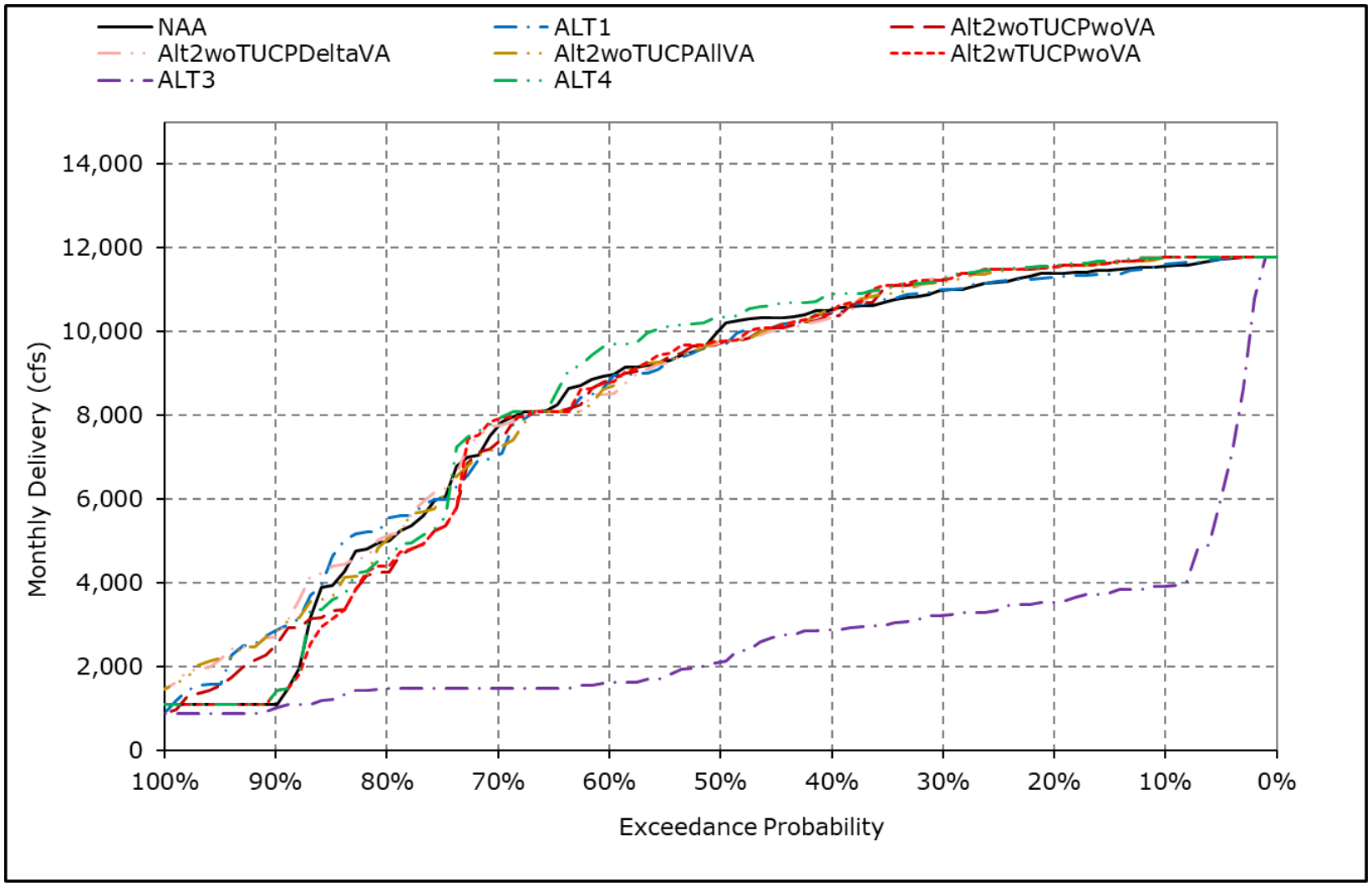
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-8-14. Total Delta Exports, May



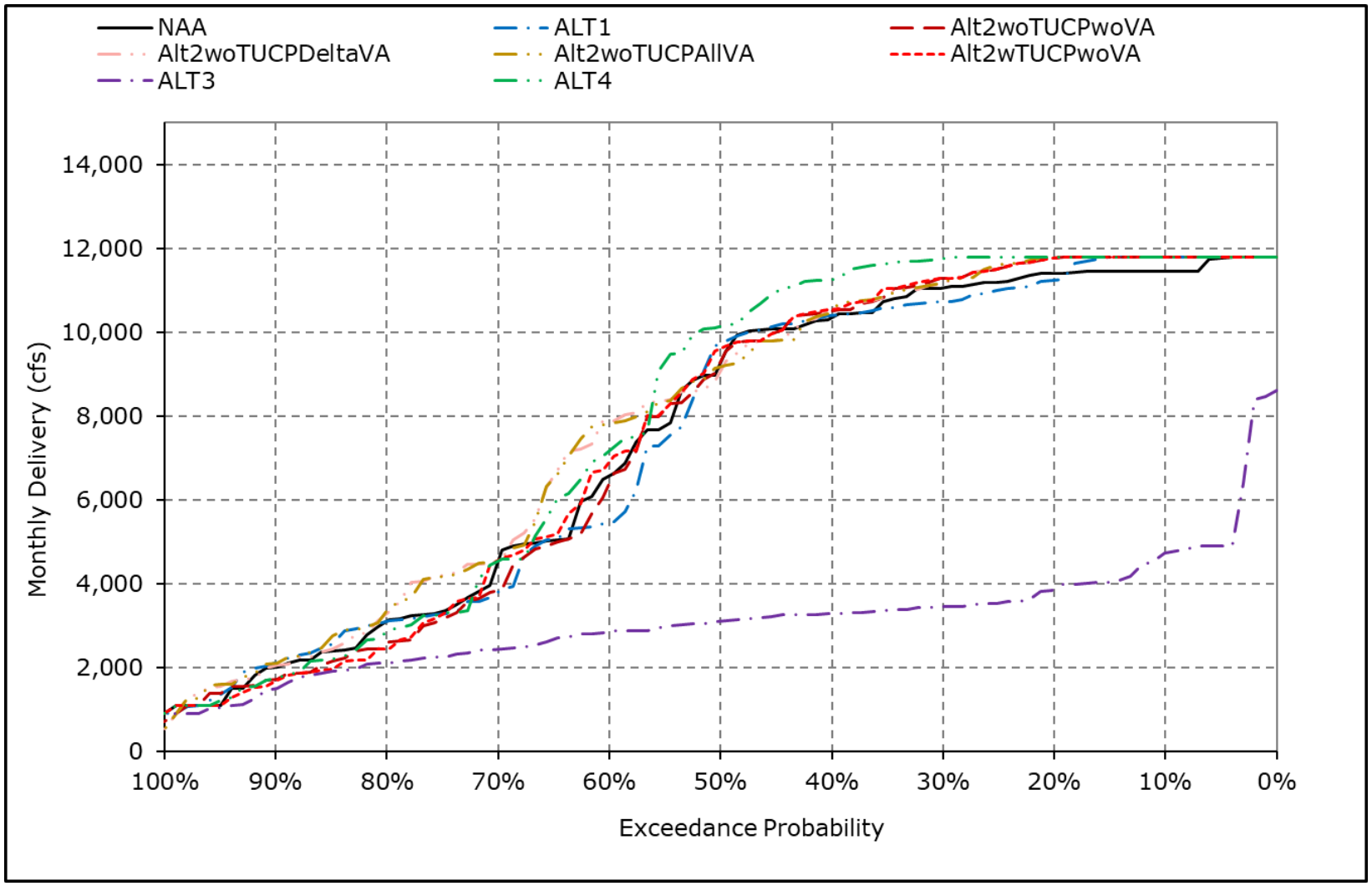
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-8-15. Total Delta Exports, June



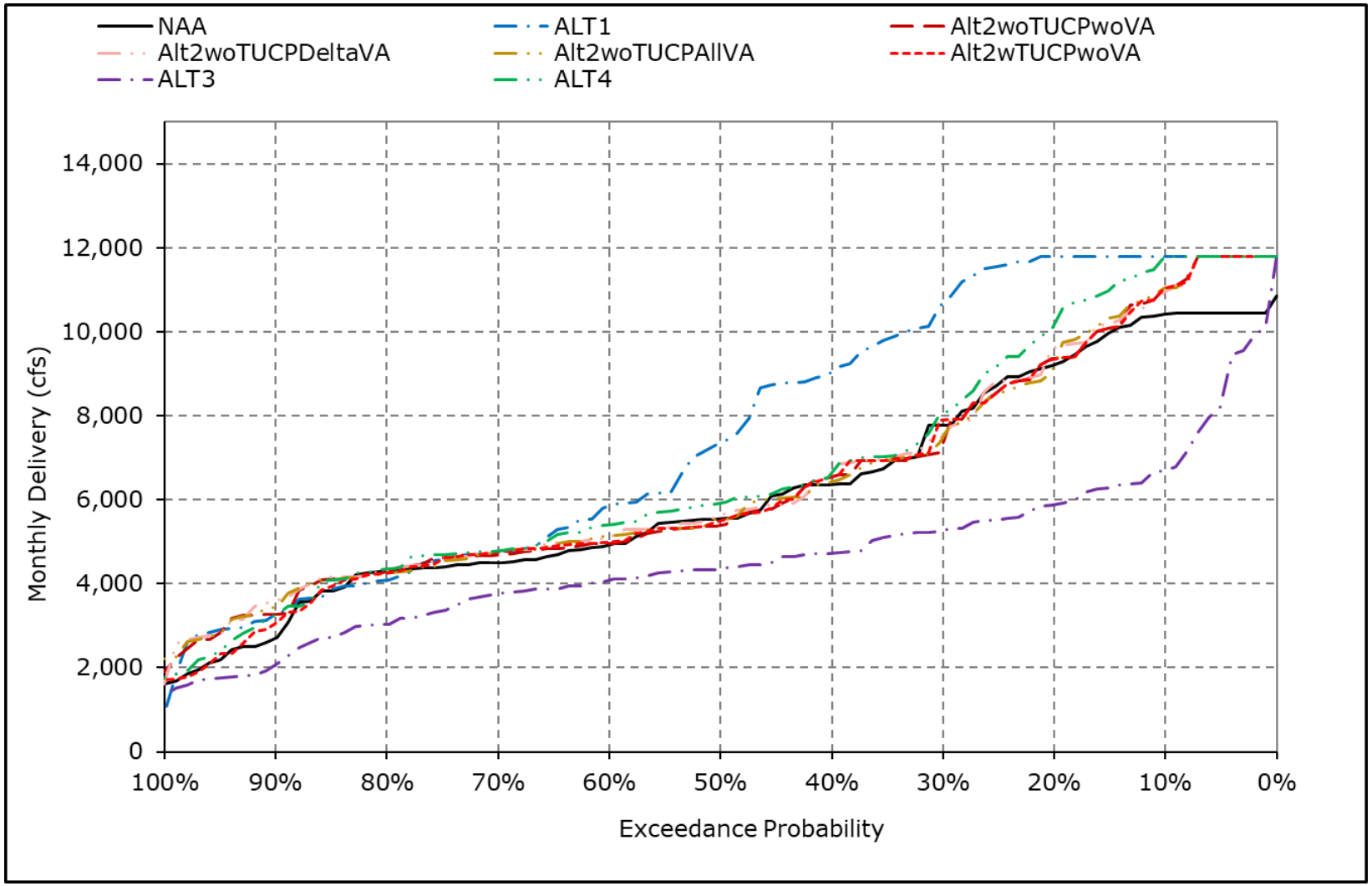
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-8-16. Total Delta Exports, July



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

Figure F.2.3-8-17. Total Delta Exports, August



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

Figure F.2.3-8-18. Total Delta Exports, September

Table F.2.3-9-1a. Jones Pumping Plant Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,598	4,599	4,599	4,598	4,597	4,597	3,994	4,595	4,592	4,591	4,592	4,597
20% Exceedance	4,052	4,599	4,599	4,497	4,597	4,405	3,556	4,134	4,011	4,503	4,592	4,597
30% Exceedance	3,511	4,599	4,534	4,239	4,350	3,814	3,300	3,646	3,600	4,255	4,467	4,536
40% Exceedance	3,127	4,599	4,220	3,954	4,223	3,546	2,849	3,241	3,308	3,851	4,214	4,143
50% Exceedance	2,961	4,330	4,059	3,720	4,017	3,292	2,570	2,657	3,118	3,502	3,454	3,943
60% Exceedance	2,726	3,662	3,656	3,517	3,860	3,159	2,291	2,372	3,053	3,108	3,123	3,741
70% Exceedance	2,192	2,726	2,066	3,345	3,595	3,032	2,161	2,204	2,920	2,637	2,759	3,560
80% Exceedance	1,782	1,953	1,317	2,997	3,435	2,713	2,022	1,985	2,274	1,949	1,867	3,273
90% Exceedance	1,543	1,428	803	1,958	2,636	2,016	1,544	1,543	1,189	791	1,541	2,395
Full Simulation Period Average[a]	2,929	3,514	3,259	3,553	3,770	3,342	2,692	2,921	3,071	3,174	3,302	3,780
Wet Water Years (28%)	4,000	4,459	3,958	4,139	3,816	3,357	3,413	4,168	4,061	3,599	4,171	4,218
Above Normal Water Years (14%)	3,024	4,487	4,144	3,998	4,152	3,562	3,399	3,352	3,472	3,444	3,972	3,529
Below Normal Water Years (18%)	2,925	3,545	3,457	3,635	3,961	3,336	2,687	2,693	2,979	3,700	3,733	4,386
Dry Water Years (24%)	2,294	3,054	2,414	3,182	3,662	3,577	2,290	2,270	2,844	3,418	2,884	4,003
Critical Water Years (16%)	1,853	1,474	2,183	2,600	3,300	2,778	1,421	1,596	1,433	1,237	1,337	2,216

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

Table F.2.3-9-1b. Jones Pumping Plant Exports, Alternative 1, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,598	4,599	4,599	4,598	4,597	4,597	3,993	4,595	4,592	4,551	4,592	4,597
20% Exceedance	4,598	4,599	4,599	4,598	4,597	4,597	3,612	4,328	4,463	4,275	4,433	4,597
30% Exceedance	4,499	4,599	4,599	4,598	4,597	4,597	3,297	3,822	4,033	4,093	3,765	4,597
40% Exceedance	4,066	4,566	4,599	4,598	4,597	4,597	2,978	3,410	3,836	3,761	3,400	4,474
50% Exceedance	3,337	3,798	4,599	4,598	4,597	4,396	2,607	2,954	3,585	3,383	3,212	4,239
60% Exceedance	2,945	3,026	4,099	4,598	4,597	3,589	2,539	2,644	3,271	3,042	2,956	3,876
70% Exceedance	2,574	2,350	2,942	4,256	4,248	2,835	2,393	2,499	2,883	2,420	2,591	3,414
80% Exceedance	2,096	1,874	2,025	3,305	3,745	1,985	2,149	2,046	1,958	1,805	1,708	2,948
90% Exceedance	1,713	1,261	1,330	2,551	2,583	1,374	1,877	1,617	1,226	999	1,269	2,487
Full Simulation Period Average[a]	3,322	3,310	3,603	4,028	4,099	3,539	2,854	3,078	3,225	3,095	3,046	3,825
Wet Water Years (28%)	4,454	4,365	3,946	4,379	3,924	3,399	3,432	4,197	4,046	3,292	3,959	4,543
Above Normal Water Years (14%)	4,065	3,870	4,227	4,598	4,405	3,937	3,304	3,667	4,052	3,710	3,896	4,343
Below Normal Water Years (18%)	3,134	3,185	3,819	4,363	4,291	3,941	3,023	2,927	3,277	3,400	3,042	4,073
Dry Water Years (24%)	2,530	2,987	3,177	3,606	4,199	3,938	2,505	2,486	2,917	3,220	2,681	3,470
Critical Water Years (16%)	1,957	1,451	2,757	3,172	3,772	2,385	1,785	1,666	1,470	1,684	1,256	2,370

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

Table F.2.3-9-1c. Jones Pumping Plant Exports, Alternative 1 minus No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	-1	0	0	-40	0	0
20% Exceedance	546	0	0	101	0	192	57	194	452	-228	-160	0
30% Exceedance	988	0	65	359	247	783	-3	176	434	-162	-702	61
40% Exceedance	938	-33	379	644	374	1,051	129	169	528	-90	-814	331
50% Exceedance	376	-532	539	878	580	1,104	37	297	467	-119	-242	296
60% Exceedance	220	-636	443	1,081	737	430	248	272	218	-66	-167	135
70% Exceedance	382	-376	875	910	652	-198	232	295	-37	-217	-168	-146
80% Exceedance	314	-79	709	308	311	-728	128	61	-316	-144	-159	-325
90% Exceedance	169	-166	527	593	-53	-642	333	74	37	208	-272	92
Full Simulation Period Average[a]	393	-203	344	476	329	197	162	157	154	-79	-256	45
Wet Water Years (28%)	454	-94	-12	240	108	42	19	29	-15	-307	-212	325
Above Normal Water Years (14%)	1,041	-617	84	600	253	375	-95	315	580	266	-76	814
Below Normal Water Years (18%)	208	-360	362	728	330	605	336	235	298	-299	-691	-312
Dry Water Years (24%)	237	-67	763	425	537	362	214	216	73	-198	-203	-534
Critical Water Years (16%)	104	-22	575	572	471	-394	364	70	37	447	-80	154

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

Table F.2.3-9-2a. Jones Pumping Plant Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,598	4,599	4,599	4,598	4,597	4,597	3,994	4,595	4,592	4,591	4,592	4,597
20% Exceedance	4,052	4,599	4,599	4,497	4,597	4,405	3,556	4,134	4,011	4,503	4,592	4,597
30% Exceedance	3,511	4,599	4,534	4,239	4,350	3,814	3,300	3,646	3,600	4,255	4,467	4,536
40% Exceedance	3,127	4,599	4,220	3,954	4,223	3,546	2,849	3,241	3,308	3,851	4,214	4,143
50% Exceedance	2,961	4,330	4,059	3,720	4,017	3,292	2,570	2,657	3,118	3,502	3,454	3,943
60% Exceedance	2,726	3,662	3,656	3,517	3,860	3,159	2,291	2,372	3,053	3,108	3,123	3,741
70% Exceedance	2,192	2,726	2,066	3,345	3,595	3,032	2,161	2,204	2,920	2,637	2,759	3,560
80% Exceedance	1,782	1,953	1,317	2,997	3,435	2,713	2,022	1,985	2,274	1,949	1,867	3,273
90% Exceedance	1,543	1,428	803	1,958	2,636	2,016	1,544	1,543	1,189	791	1,541	2,395
Full Simulation Period Average[a]	2,929	3,514	3,259	3,553	3,770	3,342	2,692	2,921	3,071	3,174	3,302	3,780
Wet Water Years (28%)	4,000	4,459	3,958	4,139	3,816	3,357	3,413	4,168	4,061	3,599	4,171	4,218
Above Normal Water Years (14%)	3,024	4,487	4,144	3,998	4,152	3,562	3,399	3,352	3,472	3,444	3,972	3,529
Below Normal Water Years (18%)	2,925	3,545	3,457	3,635	3,961	3,336	2,687	2,693	2,979	3,700	3,733	4,386
Dry Water Years (24%)	2,294	3,054	2,414	3,182	3,662	3,577	2,290	2,270	2,844	3,418	2,884	4,003
Critical Water Years (16%)	1,853	1,474	2,183	2,600	3,300	2,778	1,421	1,596	1,433	1,237	1,337	2,216

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

Table F.2.3-9-2b. Jones Pumping Plant Exports, Alt2woTUCPwoVA, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,598	4,599	4,599	4,598	4,597	4,597	4,348	4,595	4,579	4,591	4,592	4,597
20% Exceedance	3,967	4,599	4,599	4,404	4,597	4,597	3,752	4,403	3,748	4,551	4,592	4,597
30% Exceedance	3,399	4,599	4,419	4,229	4,321	4,099	3,405	3,804	3,250	4,396	4,536	4,597
40% Exceedance	3,170	4,599	4,190	3,834	4,030	3,711	3,037	3,227	2,903	3,906	4,152	4,220
50% Exceedance	2,905	4,569	4,024	3,527	3,870	3,392	2,572	2,601	2,766	3,270	3,657	3,932
60% Exceedance	2,701	3,738	3,570	3,351	3,686	3,217	2,350	2,327	2,695	2,897	2,934	3,804
70% Exceedance	2,250	2,712	2,319	3,165	3,488	3,099	2,179	2,186	2,552	2,252	2,359	3,582
80% Exceedance	1,846	1,836	1,474	2,933	3,279	2,755	2,063	1,836	1,756	1,725	1,668	3,291
90% Exceedance	1,507	1,294	951	2,122	2,814	1,827	1,844	1,563	933	913	1,097	2,592
Full Simulation Period Average[a]	2,924	3,525	3,292	3,501	3,742	3,407	2,862	2,953	2,771	3,120	3,207	3,835
Wet Water Years (28%)	3,978	4,453	3,974	4,124	4,035	3,615	3,700	4,232	3,818	3,387	4,011	4,216
Above Normal Water Years (14%)	3,026	4,463	4,143	3,956	4,217	3,859	3,403	3,462	3,156	3,710	4,048	3,594
Below Normal Water Years (18%)	2,820	3,591	3,431	3,540	3,834	3,483	2,850	2,652	2,597	3,513	3,647	4,448
Dry Water Years (24%)	2,307	3,023	2,385	3,063	3,364	3,551	2,270	2,240	2,421	3,269	2,840	3,966
Critical Water Years (16%)	1,968	1,575	2,450	2,624	3,276	2,345	1,823	1,678	1,325	1,467	1,119	2,493

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

Table F.2.3-9-2c. Jones Pumping Plant Exports, Alt2woTUCPwoVA minus No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	354	0	-12	0	0	0
20% Exceedance	-85	0	0	-94	0	192	196	269	-263	48	0	0
30% Exceedance	-112	0	-115	-10	-29	284	105	158	-349	141	68	61
40% Exceedance	43	0	-30	-120	-194	165	188	-14	-406	55	-62	77
50% Exceedance	-57	239	-35	-193	-147	100	2	-56	-352	-233	203	-11
60% Exceedance	-24	76	-86	-166	-174	58	59	-45	-359	-211	-189	63
70% Exceedance	58	-13	253	-180	-107	67	18	-18	-368	-385	-401	21
80% Exceedance	64	-118	158	-64	-156	42	41	-148	-518	-224	-199	18
90% Exceedance	-36	-134	148	164	178	-189	300	19	-256	122	-444	197
Full Simulation Period Average[a]	-4	11	33	-52	-28	65	170	32	-300	-55	-95	55
Wet Water Years (28%)	-22	-6	16	-16	219	258	287	64	-243	-212	-160	-2
Above Normal Water Years (14%)	2	-23	0	-42	65	296	4	110	-316	266	76	65
Below Normal Water Years (18%)	-105	46	-26	-95	-127	147	163	-41	-382	-187	-87	62
Dry Water Years (24%)	14	-31	-29	-118	-297	-25	-21	-30	-424	-149	-43	-38
Critical Water Years (16%)	115	101	268	24	-24	-433	402	82	-108	230	-218	277

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

Table F.2.3-9-3a. Jones Pumping Plant Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,598	4,599	4,599	4,598	4,597	4,597	3,994	4,595	4,592	4,591	4,592	4,597
20% Exceedance	4,052	4,599	4,599	4,497	4,597	4,405	3,556	4,134	4,011	4,503	4,592	4,597
30% Exceedance	3,511	4,599	4,534	4,239	4,350	3,814	3,300	3,646	3,600	4,255	4,467	4,536
40% Exceedance	3,127	4,599	4,220	3,954	4,223	3,546	2,849	3,241	3,308	3,851	4,214	4,143
50% Exceedance	2,961	4,330	4,059	3,720	4,017	3,292	2,570	2,657	3,118	3,502	3,454	3,943
60% Exceedance	2,726	3,662	3,656	3,517	3,860	3,159	2,291	2,372	3,053	3,108	3,123	3,741
70% Exceedance	2,192	2,726	2,066	3,345	3,595	3,032	2,161	2,204	2,920	2,637	2,759	3,560
80% Exceedance	1,782	1,953	1,317	2,997	3,435	2,713	2,022	1,985	2,274	1,949	1,867	3,273
90% Exceedance	1,543	1,428	803	1,958	2,636	2,016	1,544	1,543	1,189	791	1,541	2,395
Full Simulation Period Average[a]	2,929	3,514	3,259	3,553	3,770	3,342	2,692	2,921	3,071	3,174	3,302	3,780
Wet Water Years (28%)	4,000	4,459	3,958	4,139	3,816	3,357	3,413	4,168	4,061	3,599	4,171	4,218
Above Normal Water Years (14%)	3,024	4,487	4,144	3,998	4,152	3,562	3,399	3,352	3,472	3,444	3,972	3,529
Below Normal Water Years (18%)	2,925	3,545	3,457	3,635	3,961	3,336	2,687	2,693	2,979	3,700	3,733	4,386
Dry Water Years (24%)	2,294	3,054	2,414	3,182	3,662	3,577	2,290	2,270	2,844	3,418	2,884	4,003
Critical Water Years (16%)	1,853	1,474	2,183	2,600	3,300	2,778	1,421	1,596	1,433	1,237	1,337	2,216

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

Table F.2.3-9-3b. Jones Pumping Plant Exports, Alt2woTUCPDeltaVA, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,598	4,599	4,599	4,598	4,597	4,597	3,894	4,595	4,580	4,587	4,592	4,597
20% Exceedance	3,964	4,599	4,599	4,405	4,597	3,933	3,298	4,373	3,762	4,555	4,592	4,597
30% Exceedance	3,435	4,599	4,460	4,216	4,311	3,274	2,789	3,787	3,243	4,381	4,577	4,597
40% Exceedance	3,174	4,599	4,195	3,824	4,004	3,098	2,381	3,176	2,898	3,872	4,223	4,117
50% Exceedance	2,921	4,568	4,027	3,534	3,827	2,857	2,141	2,473	2,760	3,172	3,656	3,925
60% Exceedance	2,674	3,703	3,441	3,369	3,658	2,295	2,022	2,191	2,675	2,869	2,923	3,764
70% Exceedance	2,384	2,677	2,533	3,155	3,459	1,864	1,856	2,050	2,542	2,302	2,413	3,549
80% Exceedance	1,851	1,915	1,733	2,917	3,243	1,650	1,703	1,692	1,882	1,697	1,631	3,149
90% Exceedance	1,515	1,322	1,237	2,253	2,821	1,492	1,114	1,505	1,022	909	1,105	2,598
Full Simulation Period Average[a]	2,945	3,504	3,326	3,505	3,727	2,804	2,381	2,872	2,788	3,105	3,213	3,804
Wet Water Years (28%)	3,974	4,455	3,851	4,121	4,016	3,434	3,017	4,214	3,810	3,340	4,016	4,204
Above Normal Water Years (14%)	3,047	4,468	4,147	3,957	4,217	2,829	2,270	3,361	3,191	3,616	3,990	3,545
Below Normal Water Years (18%)	2,839	3,607	3,449	3,527	3,826	2,160	2,530	2,491	2,569	3,476	3,632	4,429
Dry Water Years (24%)	2,341	2,957	2,479	3,083	3,396	2,831	1,971	2,094	2,472	3,323	2,883	3,929
Critical Water Years (16%)	2,014	1,515	2,733	2,641	3,174	2,365	1,816	1,691	1,365	1,501	1,148	2,443

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

Table F.2.3-9-3c. Jones Pumping Plant Exports, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	-99	0	-11	-3	0	0
20% Exceedance	-89	0	0	-92	0	-472	-257	239	-249	52	0	0
30% Exceedance	-76	0	-74	-23	-39	-540	-511	141	-356	126	109	61
40% Exceedance	47	0	-25	-130	-219	-448	-468	-65	-411	20	9	-26
50% Exceedance	-41	237	-33	-186	-190	-434	-429	-184	-358	-331	202	-17
60% Exceedance	-52	41	-215	-148	-203	-864	-269	-181	-379	-239	-200	23
70% Exceedance	192	-48	466	-190	-136	-1,169	-304	-155	-379	-335	-347	-12
80% Exceedance	70	-38	417	-80	-192	-1,062	-318	-293	-392	-252	-237	-124
90% Exceedance	-29	-105	434	296	185	-524	-430	-38	-167	118	-436	203
Full Simulation Period Average[a]	16	-10	67	-47	-43	-538	-311	-49	-284	-69	-89	25
Wet Water Years (28%)	-26	-4	-107	-18	200	77	-397	46	-251	-259	-155	-14
Above Normal Water Years (14%)	23	-19	4	-41	65	-734	-1,129	9	-281	171	18	16
Below Normal Water Years (18%)	-86	62	-8	-108	-135	-1,176	-157	-202	-410	-224	-101	43
Dry Water Years (24%)	47	-97	64	-99	-266	-746	-320	-176	-372	-95	0	-74
Critical Water Years (16%)	161	42	550	41	-127	-413	395	96	-68	264	-189	227

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

Table F.2.3-9-4a. Jones Pumping Plant Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,598	4,599	4,599	4,598	4,597	4,597	3,994	4,595	4,592	4,591	4,592	4,597
20% Exceedance	4,052	4,599	4,599	4,497	4,597	4,405	3,556	4,134	4,011	4,503	4,592	4,597
30% Exceedance	3,511	4,599	4,534	4,239	4,350	3,814	3,300	3,646	3,600	4,255	4,467	4,536
40% Exceedance	3,127	4,599	4,220	3,954	4,223	3,546	2,849	3,241	3,308	3,851	4,214	4,143
50% Exceedance	2,961	4,330	4,059	3,720	4,017	3,292	2,570	2,657	3,118	3,502	3,454	3,943
60% Exceedance	2,726	3,662	3,656	3,517	3,860	3,159	2,291	2,372	3,053	3,108	3,123	3,741
70% Exceedance	2,192	2,726	2,066	3,345	3,595	3,032	2,161	2,204	2,920	2,637	2,759	3,560
80% Exceedance	1,782	1,953	1,317	2,997	3,435	2,713	2,022	1,985	2,274	1,949	1,867	3,273
90% Exceedance	1,543	1,428	803	1,958	2,636	2,016	1,544	1,543	1,189	791	1,541	2,395
Full Simulation Period Average[a]	2,929	3,514	3,259	3,553	3,770	3,342	2,692	2,921	3,071	3,174	3,302	3,780
Wet Water Years (28%)	4,000	4,459	3,958	4,139	3,816	3,357	3,413	4,168	4,061	3,599	4,171	4,218
Above Normal Water Years (14%)	3,024	4,487	4,144	3,998	4,152	3,562	3,399	3,352	3,472	3,444	3,972	3,529
Below Normal Water Years (18%)	2,925	3,545	3,457	3,635	3,961	3,336	2,687	2,693	2,979	3,700	3,733	4,386
Dry Water Years (24%)	2,294	3,054	2,414	3,182	3,662	3,577	2,290	2,270	2,844	3,418	2,884	4,003
Critical Water Years (16%)	1,853	1,474	2,183	2,600	3,300	2,778	1,421	1,596	1,433	1,237	1,337	2,216

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

Table F.2.3-9-4b. Jones Pumping Plant Exports, Alt2woTUCPAllVA, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,598	4,599	4,599	4,598	4,597	4,597	3,894	4,595	4,579	4,591	4,592	4,597
20% Exceedance	3,963	4,599	4,599	4,404	4,597	3,933	3,298	4,362	3,765	4,557	4,592	4,597
30% Exceedance	3,410	4,599	4,419	4,216	4,315	3,274	2,835	3,788	3,244	4,437	4,592	4,597
40% Exceedance	3,180	4,599	4,155	3,824	3,998	3,088	2,383	3,214	2,902	3,766	4,236	4,259
50% Exceedance	2,913	4,509	4,032	3,579	3,832	2,792	2,155	2,566	2,760	3,223	3,641	3,919
60% Exceedance	2,701	3,750	3,415	3,387	3,679	2,247	2,039	2,246	2,674	2,827	2,890	3,785
70% Exceedance	2,238	2,854	2,308	3,157	3,481	1,886	1,855	2,052	2,518	2,387	2,396	3,557
80% Exceedance	1,846	1,919	1,744	2,909	3,279	1,653	1,700	1,694	1,759	1,736	1,627	3,216
90% Exceedance	1,538	1,280	1,303	2,120	2,868	1,492	1,109	1,507	1,044	1,067	1,080	2,481
Full Simulation Period Average[a]	2,940	3,526	3,319	3,500	3,743	2,793	2,388	2,888	2,783	3,120	3,229	3,820
Wet Water Years (28%)	4,005	4,456	3,850	4,123	4,020	3,433	3,018	4,233	3,812	3,346	4,017	4,208
Above Normal Water Years (14%)	3,068	4,464	4,140	3,963	4,223	2,828	2,276	3,342	3,200	3,581	3,989	3,580
Below Normal Water Years (18%)	2,733	3,644	3,418	3,527	3,823	2,211	2,562	2,615	2,609	3,619	3,683	4,485
Dry Water Years (24%)	2,301	3,024	2,521	3,049	3,393	2,837	1,969	2,052	2,461	3,315	2,934	3,919
Critical Water Years (16%)	2,097	1,512	2,665	2,653	3,272	2,234	1,817	1,695	1,293	1,467	1,121	2,458

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

Table F.2.3-9-4c. Jones Pumping Plant Exports, Alt2woTUCPAllVA minus No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	-99	0	-12	0	0	0
20% Exceedance	-90	0	0	-93	0	-472	-257	228	-246	54	0	0
30% Exceedance	-101	0	-115	-23	-35	-540	-465	142	-356	183	125	61
40% Exceedance	52	0	-65	-130	-225	-459	-466	-27	-406	-86	22	116
50% Exceedance	-49	179	-28	-141	-185	-500	-415	-91	-358	-280	187	-24
60% Exceedance	-25	88	-241	-130	-181	-912	-252	-126	-380	-281	-233	44
70% Exceedance	45	128	242	-188	-114	-1,146	-306	-152	-403	-250	-363	-3
80% Exceedance	64	-34	428	-88	-156	-1,060	-322	-291	-515	-213	-241	-57
90% Exceedance	-6	-148	500	162	233	-524	-435	-37	-145	276	-461	86
Full Simulation Period Average[a]	11	12	60	-52	-27	-549	-304	-33	-289	-54	-72	41
Wet Water Years (28%)	5	-3	-108	-17	204	75	-396	65	-249	-253	-154	-10
Above Normal Water Years (14%)	43	-23	-3	-35	71	-734	-1,123	-10	-272	137	17	51
Below Normal Water Years (18%)	-192	99	-40	-108	-138	-1,125	-125	-77	-370	-81	-51	99
Dry Water Years (24%)	7	-30	107	-132	-269	-740	-321	-218	-383	-103	50	-85
Critical Water Years (16%)	243	38	482	54	-28	-544	396	100	-140	230	-215	242

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

Table F.2.3-9-5a. Jones Pumping Plant Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,598	4,599	4,599	4,598	4,597	4,597	3,994	4,595	4,592	4,591	4,592	4,597
20% Exceedance	4,052	4,599	4,599	4,497	4,597	4,405	3,556	4,134	4,011	4,503	4,592	4,597
30% Exceedance	3,511	4,599	4,534	4,239	4,350	3,814	3,300	3,646	3,600	4,255	4,467	4,536
40% Exceedance	3,127	4,599	4,220	3,954	4,223	3,546	2,849	3,241	3,308	3,851	4,214	4,143
50% Exceedance	2,961	4,330	4,059	3,720	4,017	3,292	2,570	2,657	3,118	3,502	3,454	3,943
60% Exceedance	2,726	3,662	3,656	3,517	3,860	3,159	2,291	2,372	3,053	3,108	3,123	3,741
70% Exceedance	2,192	2,726	2,066	3,345	3,595	3,032	2,161	2,204	2,920	2,637	2,759	3,560
80% Exceedance	1,782	1,953	1,317	2,997	3,435	2,713	2,022	1,985	2,274	1,949	1,867	3,273
90% Exceedance	1,543	1,428	803	1,958	2,636	2,016	1,544	1,543	1,189	791	1,541	2,395
Full Simulation Period Average[a]	2,929	3,514	3,259	3,553	3,770	3,342	2,692	2,921	3,071	3,174	3,302	3,780
Wet Water Years (28%)	4,000	4,459	3,958	4,139	3,816	3,357	3,413	4,168	4,061	3,599	4,171	4,218
Above Normal Water Years (14%)	3,024	4,487	4,144	3,998	4,152	3,562	3,399	3,352	3,472	3,444	3,972	3,529
Below Normal Water Years (18%)	2,925	3,545	3,457	3,635	3,961	3,336	2,687	2,693	2,979	3,700	3,733	4,386
Dry Water Years (24%)	2,294	3,054	2,414	3,182	3,662	3,577	2,290	2,270	2,844	3,418	2,884	4,003
Critical Water Years (16%)	1,853	1,474	2,183	2,600	3,300	2,778	1,421	1,596	1,433	1,237	1,337	2,216

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

Table F.2.3-9-5b. Jones Pumping Plant Exports, Alt2wTUCPwoVA, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,598	4,599	4,599	4,598	4,597	4,597	4,348	4,595	4,580	4,591	4,592	4,597
20% Exceedance	3,970	4,599	4,599	4,405	4,597	4,597	3,752	4,403	3,747	4,549	4,592	4,597
30% Exceedance	3,440	4,599	4,422	4,228	4,330	4,124	3,398	3,804	3,251	4,356	4,536	4,597
40% Exceedance	3,199	4,599	4,191	3,809	4,030	3,712	3,019	3,240	2,903	3,913	4,157	4,194
50% Exceedance	2,929	4,449	4,030	3,514	3,886	3,359	2,568	2,733	2,775	3,280	3,705	3,927
60% Exceedance	2,717	3,730	3,585	3,344	3,710	3,217	2,350	2,362	2,703	2,889	2,934	3,793
70% Exceedance	2,264	2,725	2,304	3,129	3,488	3,099	2,179	2,193	2,560	2,231	2,440	3,570
80% Exceedance	1,780	2,005	1,635	2,904	3,284	2,850	2,011	1,861	1,859	1,444	1,809	3,280
90% Exceedance	1,509	1,442	924	1,961	2,673	1,895	1,653	1,555	950	791	806	2,559
Full Simulation Period Average[a]	2,950	3,560	3,293	3,465	3,711	3,429	2,791	2,969	2,779	3,070	3,225	3,794
Wet Water Years (28%)	3,979	4,453	3,974	4,130	4,038	3,651	3,671	4,235	3,818	3,392	4,010	4,218
Above Normal Water Years (14%)	3,021	4,445	4,144	3,963	4,223	3,880	3,402	3,462	3,164	3,712	4,109	3,603
Below Normal Water Years (18%)	2,870	3,597	3,477	3,542	3,818	3,347	2,778	2,747	2,615	3,518	3,709	4,469
Dry Water Years (24%)	2,314	3,033	2,420	3,036	3,363	3,551	2,271	2,249	2,430	3,254	2,830	3,965
Critical Water Years (16%)	2,075	1,808	2,348	2,424	3,089	2,553	1,511	1,654	1,334	1,168	1,125	2,205

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

Table F.2.3-9-5c. Jones Pumping Plant Exports, Alt2wTUCPwoVA minus No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	354	0	-12	0	0	0
20% Exceedance	-83	0	0	-92	0	192	197	269	-263	46	0	0
30% Exceedance	-71	0	-111	-10	-21	310	98	158	-349	102	68	61
40% Exceedance	72	0	-29	-145	-193	166	170	-1	-405	61	-57	51
50% Exceedance	-32	119	-30	-207	-131	67	-2	76	-343	-222	251	-15
60% Exceedance	-9	68	-71	-173	-150	58	59	-10	-350	-219	-189	52
70% Exceedance	72	-1	238	-216	-107	67	19	-11	-360	-406	-320	9
80% Exceedance	-2	52	319	-93	-151	137	-10	-124	-416	-505	-59	7
90% Exceedance	-34	15	121	3	37	-122	109	12	-239	0	-735	164
Full Simulation Period Average[a]	22	47	34	-87	-59	86	99	48	-292	-104	-77	14
Wet Water Years (28%)	-21	-6	15	-9	222	294	258	67	-243	-207	-162	0
Above Normal Water Years (14%)	-3	-42	0	-35	71	317	3	110	-309	268	137	75
Below Normal Water Years (18%)	-56	52	20	-93	-144	11	90	54	-364	-181	-24	83
Dry Water Years (24%)	20	-21	6	-146	-298	-25	-20	-21	-414	-165	-53	-38
Critical Water Years (16%)	222	335	166	-176	-211	-226	91	58	-100	-70	-211	-11

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

Table F.2.3-9-6a. Jones Pumping Plant Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,598	4,599	4,599	4,598	4,597	4,597	3,994	4,595	4,592	4,591	4,592	4,597
20% Exceedance	4,052	4,599	4,599	4,497	4,597	4,405	3,556	4,134	4,011	4,503	4,592	4,597
30% Exceedance	3,511	4,599	4,534	4,239	4,350	3,814	3,300	3,646	3,600	4,255	4,467	4,536
40% Exceedance	3,127	4,599	4,220	3,954	4,223	3,546	2,849	3,241	3,308	3,851	4,214	4,143
50% Exceedance	2,961	4,330	4,059	3,720	4,017	3,292	2,570	2,657	3,118	3,502	3,454	3,943
60% Exceedance	2,726	3,662	3,656	3,517	3,860	3,159	2,291	2,372	3,053	3,108	3,123	3,741
70% Exceedance	2,192	2,726	2,066	3,345	3,595	3,032	2,161	2,204	2,920	2,637	2,759	3,560
80% Exceedance	1,782	1,953	1,317	2,997	3,435	2,713	2,022	1,985	2,274	1,949	1,867	3,273
90% Exceedance	1,543	1,428	803	1,958	2,636	2,016	1,544	1,543	1,189	791	1,541	2,395
Full Simulation Period Average[a]	2,929	3,514	3,259	3,553	3,770	3,342	2,692	2,921	3,071	3,174	3,302	3,780
Wet Water Years (28%)	4,000	4,459	3,958	4,139	3,816	3,357	3,413	4,168	4,061	3,599	4,171	4,218
Above Normal Water Years (14%)	3,024	4,487	4,144	3,998	4,152	3,562	3,399	3,352	3,472	3,444	3,972	3,529
Below Normal Water Years (18%)	2,925	3,545	3,457	3,635	3,961	3,336	2,687	2,693	2,979	3,700	3,733	4,386
Dry Water Years (24%)	2,294	3,054	2,414	3,182	3,662	3,577	2,290	2,270	2,844	3,418	2,884	4,003
Critical Water Years (16%)	1,853	1,474	2,183	2,600	3,300	2,778	1,421	1,596	1,433	1,237	1,337	2,216

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

Table F.2.3-9-6b. Jones Pumping Plant Exports, Alternative 3, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,598	4,599	4,220	4,598	4,597	4,597	1,736	1,169	4,550	3,626	4,428	4,597
20% Exceedance	3,905	4,357	3,000	4,510	4,597	4,385	1,421	904	3,529	3,188	3,539	4,073
30% Exceedance	3,128	4,137	2,971	3,908	4,360	3,908	1,276	624	2,103	2,922	3,018	3,459
40% Exceedance	2,799	3,392	2,164	3,486	3,881	2,508	979	595	1,728	2,584	2,889	3,107
50% Exceedance	2,535	2,575	1,331	3,028	3,360	1,858	767	595	1,228	1,812	2,748	2,964
60% Exceedance	2,221	1,897	1,003	2,843	2,900	1,384	648	595	1,192	1,311	2,483	2,737
70% Exceedance	2,018	1,698	617	1,701	1,682	1,214	596	595	682	1,191	2,122	2,638
80% Exceedance	1,735	1,510	599	1,252	1,291	1,042	596	595	592	1,140	1,797	2,342
90% Exceedance	1,516	950	599	1,067	916	826	596	595	592	591	1,198	1,747
Full Simulation Period Average[a]	2,699	2,767	1,937	2,890	2,986	2,422	1,024	786	1,917	2,118	2,661	3,056
Wet Water Years (28%)	3,262	3,152	2,531	3,395	2,917	2,170	1,303	816	3,395	2,149	2,857	3,456
Above Normal Water Years (14%)	2,512	2,452	2,235	3,059	3,501	2,750	1,194	697	2,012	1,845	2,594	2,448
Below Normal Water Years (18%)	2,574	3,680	1,723	2,790	2,766	2,565	1,178	972	1,822	2,130	2,991	3,443
Dry Water Years (24%)	2,649	2,771	1,891	2,504	3,012	2,793	736	767	911	2,755	2,852	3,295
Critical Water Years (16%)	2,065	1,261	863	2,548	2,865	1,860	647	634	863	1,333	1,720	2,097

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

Table F.2.3-9-6c. Jones Pumping Plant Exports, Alternative 3 minus No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	-378	0	0	0	-2,258	-3,426	-41	-965	-164	0
20% Exceedance	-148	-242	-1,599	13	0	-20	-2,135	-3,230	-482	-1,315	-1,054	-524
30% Exceedance	-383	-461	-1,563	-331	10	94	-2,024	-3,022	-1,497	-1,332	-1,450	-1,077
40% Exceedance	-329	-1,207	-2,056	-468	-343	-1,038	-1,870	-2,646	-1,581	-1,268	-1,325	-1,036
50% Exceedance	-427	-1,755	-2,729	-693	-657	-1,434	-1,804	-2,062	-1,890	-1,691	-706	-978
60% Exceedance	-505	-1,764	-2,653	-674	-960	-1,775	-1,643	-1,777	-1,862	-1,797	-640	-1,004
70% Exceedance	-175	-1,027	-1,450	-1,645	-1,913	-1,818	-1,565	-1,610	-2,238	-1,446	-637	-922
80% Exceedance	-47	-443	-718	-1,745	-2,144	-1,670	-1,425	-1,390	-1,682	-809	-70	-932
90% Exceedance	-27	-477	-204	-891	-1,720	-1,190	-948	-949	-597	-200	-343	-648
Full Simulation Period Average[a]	-230	-747	-1,322	-663	-783	-920	-1,668	-2,135	-1,154	-1,056	-641	-723
Wet Water Years (28%)	-738	-1,307	-1,427	-744	-899	-1,187	-2,111	-3,352	-666	-1,451	-1,315	-762
Above Normal Water Years (14%)	-512	-2,035	-1,908	-939	-651	-813	-2,204	-2,655	-1,460	-1,599	-1,378	-1,081
Below Normal Water Years (18%)	-352	135	-1,735	-845	-1,195	-772	-1,509	-1,721	-1,157	-1,569	-742	-942
Dry Water Years (24%)	355	-283	-523	-678	-649	-784	-1,554	-1,503	-1,933	-663	-32	-708
Critical Water Years (16%)	211	-213	-1,319	-52	-435	-918	-774	-962	-570	96	383	-120

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

Table F.2.3-9-7a. Jones Pumping Plant Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,598	4,599	4,599	4,598	4,597	4,597	3,994	4,595	4,592	4,591	4,592	4,597
20% Exceedance	4,052	4,599	4,599	4,497	4,597	4,405	3,556	4,134	4,011	4,503	4,592	4,597
30% Exceedance	3,511	4,599	4,534	4,239	4,350	3,814	3,300	3,646	3,600	4,255	4,467	4,536
40% Exceedance	3,127	4,599	4,220	3,954	4,223	3,546	2,849	3,241	3,308	3,851	4,214	4,143
50% Exceedance	2,961	4,330	4,059	3,720	4,017	3,292	2,570	2,657	3,118	3,502	3,454	3,943
60% Exceedance	2,726	3,662	3,656	3,517	3,860	3,159	2,291	2,372	3,053	3,108	3,123	3,741
70% Exceedance	2,192	2,726	2,066	3,345	3,595	3,032	2,161	2,204	2,920	2,637	2,759	3,560
80% Exceedance	1,782	1,953	1,317	2,997	3,435	2,713	2,022	1,985	2,274	1,949	1,867	3,273
90% Exceedance	1,543	1,428	803	1,958	2,636	2,016	1,544	1,543	1,189	791	1,541	2,395
Full Simulation Period Average[a]	2,929	3,514	3,259	3,553	3,770	3,342	2,692	2,921	3,071	3,174	3,302	3,780
Wet Water Years (28%)	4,000	4,459	3,958	4,139	3,816	3,357	3,413	4,168	4,061	3,599	4,171	4,218
Above Normal Water Years (14%)	3,024	4,487	4,144	3,998	4,152	3,562	3,399	3,352	3,472	3,444	3,972	3,529
Below Normal Water Years (18%)	2,925	3,545	3,457	3,635	3,961	3,336	2,687	2,693	2,979	3,700	3,733	4,386
Dry Water Years (24%)	2,294	3,054	2,414	3,182	3,662	3,577	2,290	2,270	2,844	3,418	2,884	4,003
Critical Water Years (16%)	1,853	1,474	2,183	2,600	3,300	2,778	1,421	1,596	1,433	1,237	1,337	2,216

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

Table F.2.3-9-7b. Jones Pumping Plant Exports, Alternative 4, Monthly Delivery (cfs)

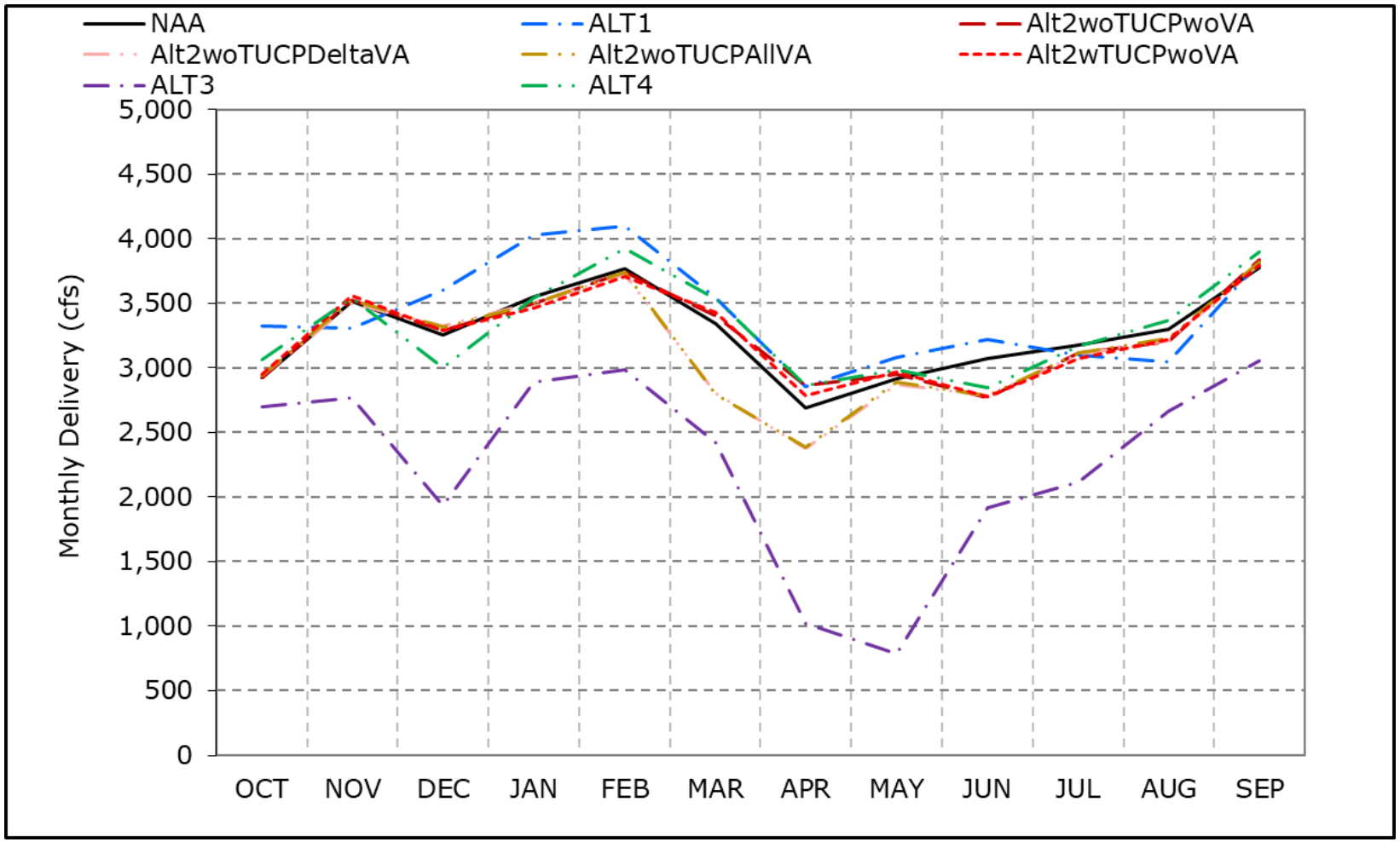
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,598	4,599	4,599	4,598	4,597	4,597	4,485	4,595	4,582	4,591	4,592	4,597
20% Exceedance	4,598	4,599	4,362	4,437	4,597	4,597	3,807	4,403	3,633	4,551	4,592	4,597
30% Exceedance	3,799	4,599	4,020	4,173	4,597	4,337	3,524	3,880	3,255	4,458	4,592	4,597
40% Exceedance	3,372	4,599	3,712	3,967	4,397	3,917	3,106	3,293	2,949	3,960	4,434	4,545
50% Exceedance	3,101	4,570	3,540	3,677	4,257	3,511	2,609	2,813	2,810	3,517	3,875	4,096
60% Exceedance	2,837	3,814	3,093	3,424	4,129	3,296	2,360	2,358	2,723	3,102	3,279	3,951
70% Exceedance	2,256	2,664	1,965	3,227	3,890	3,142	2,205	2,193	2,638	2,706	2,779	3,695
80% Exceedance	1,787	1,947	1,328	3,039	3,525	2,998	2,036	2,015	2,369	1,353	1,941	3,385
90% Exceedance	1,525	1,445	891	2,145	2,632	2,109	1,646	1,547	951	791	1,126	2,609
Full Simulation Period Average[a]	3,061	3,540	3,005	3,543	3,928	3,537	2,866	2,983	2,846	3,174	3,366	3,902
Wet Water Years (28%)	4,314	4,467	3,562	4,096	4,084	3,803	3,799	4,235	3,854	3,480	4,299	4,386
Above Normal Water Years (14%)	3,265	4,477	3,602	3,912	4,374	4,063	3,451	3,470	3,168	3,878	4,428	3,889
Below Normal Water Years (18%)	2,851	3,436	3,184	3,651	4,004	3,400	2,884	2,846	2,776	3,826	3,838	4,406
Dry Water Years (24%)	2,262	2,983	2,292	3,262	3,776	3,589	2,319	2,287	2,556	3,270	2,787	4,026
Critical Water Years (16%)	2,047	1,890	2,298	2,552	3,404	2,687	1,519	1,561	1,314	1,142	1,144	2,312

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

Table F.2.3-9-7c. Jones Pumping Plant Exports, Alternative 4 minus No Action Alternative, Monthly Delivery (cfs)

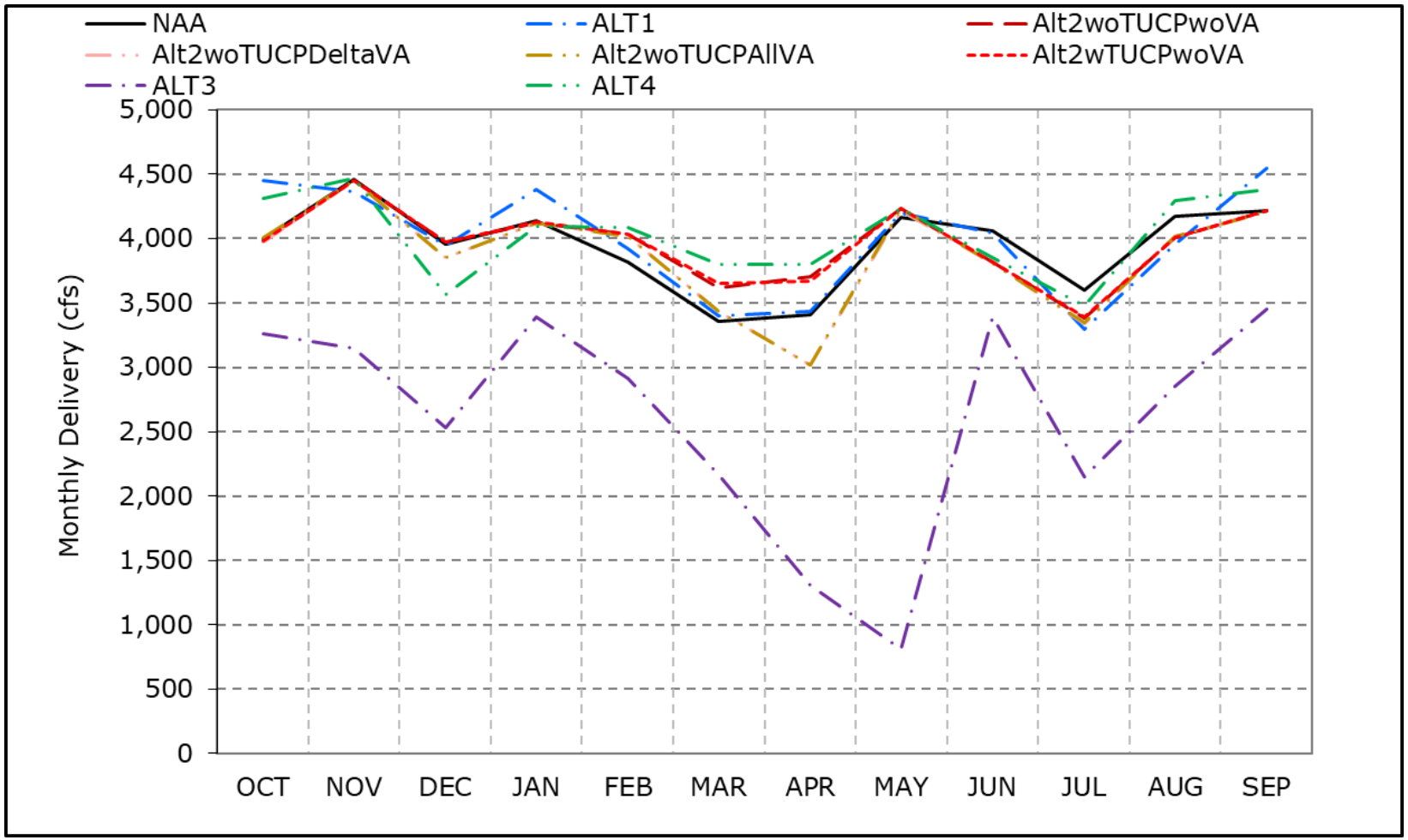
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	492	0	-10	0	0	0
20% Exceedance	546	0	-237	-60	0	192	252	269	-378	48	0	0
30% Exceedance	288	0	-514	-66	247	523	225	234	-344	204	125	61
40% Exceedance	245	0	-508	13	174	371	257	52	-359	109	220	402
50% Exceedance	140	240	-519	-43	240	219	39	156	-308	15	421	153
60% Exceedance	112	153	-563	-93	269	137	70	-14	-331	-6	156	210
70% Exceedance	64	-61	-101	-118	295	110	44	-12	-283	69	20	135
80% Exceedance	5	-6	12	42	91	285	14	30	95	-596	74	112
90% Exceedance	-19	17	87	187	-4	93	102	4	-238	0	-416	214
Full Simulation Period Average[a]	132	27	-254	-10	158	195	174	61	-225	-1	64	122
Wet Water Years (28%)	314	8	-397	-44	268	445	386	67	-207	-119	128	168
Above Normal Water Years (14%)	241	-10	-542	-86	222	501	53	118	-305	433	456	360
Below Normal Water Years (18%)	-74	-109	-274	16	43	64	197	153	-203	126	105	20
Dry Water Years (24%)	-32	-71	-122	81	115	12	29	17	-288	-148	-97	23
Critical Water Years (16%)	194	417	115	-47	104	-91	99	-35	-119	-95	-192	96

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



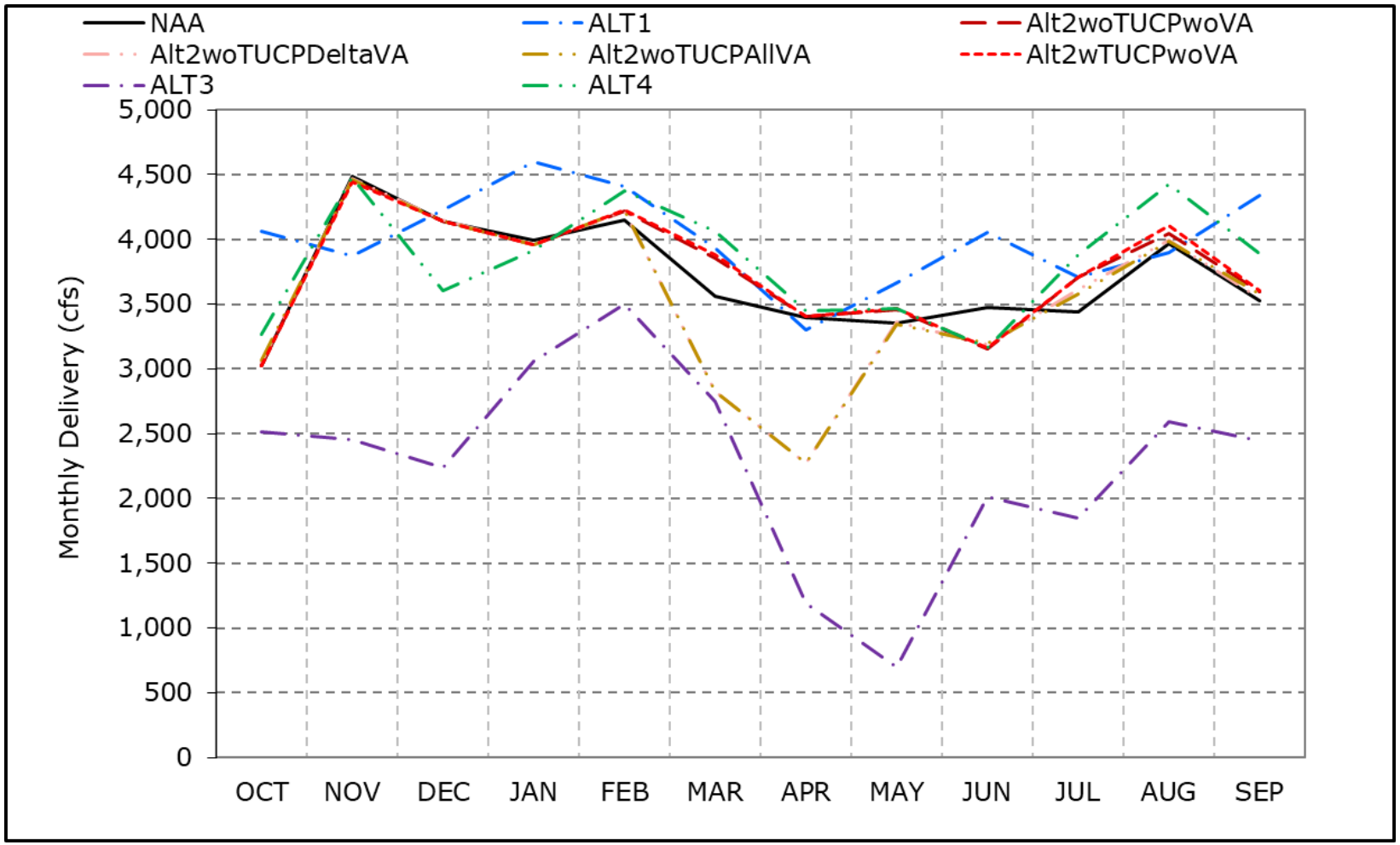
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-9-1. Jones Pumping Plant Exports, Long-Term Average Delivery



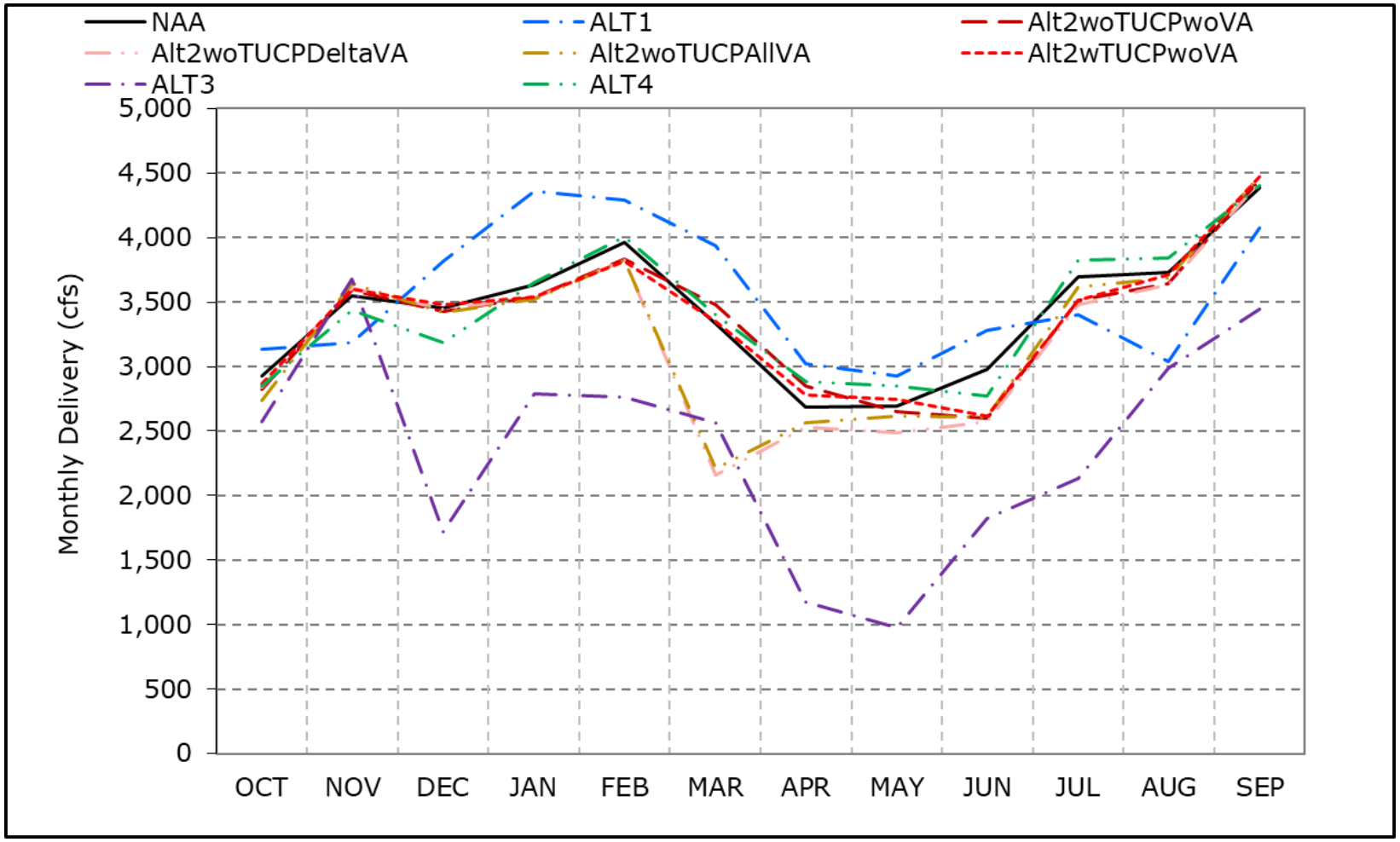
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-9-2. Jones Pumping Plant Exports, Wet Year Average Delivery



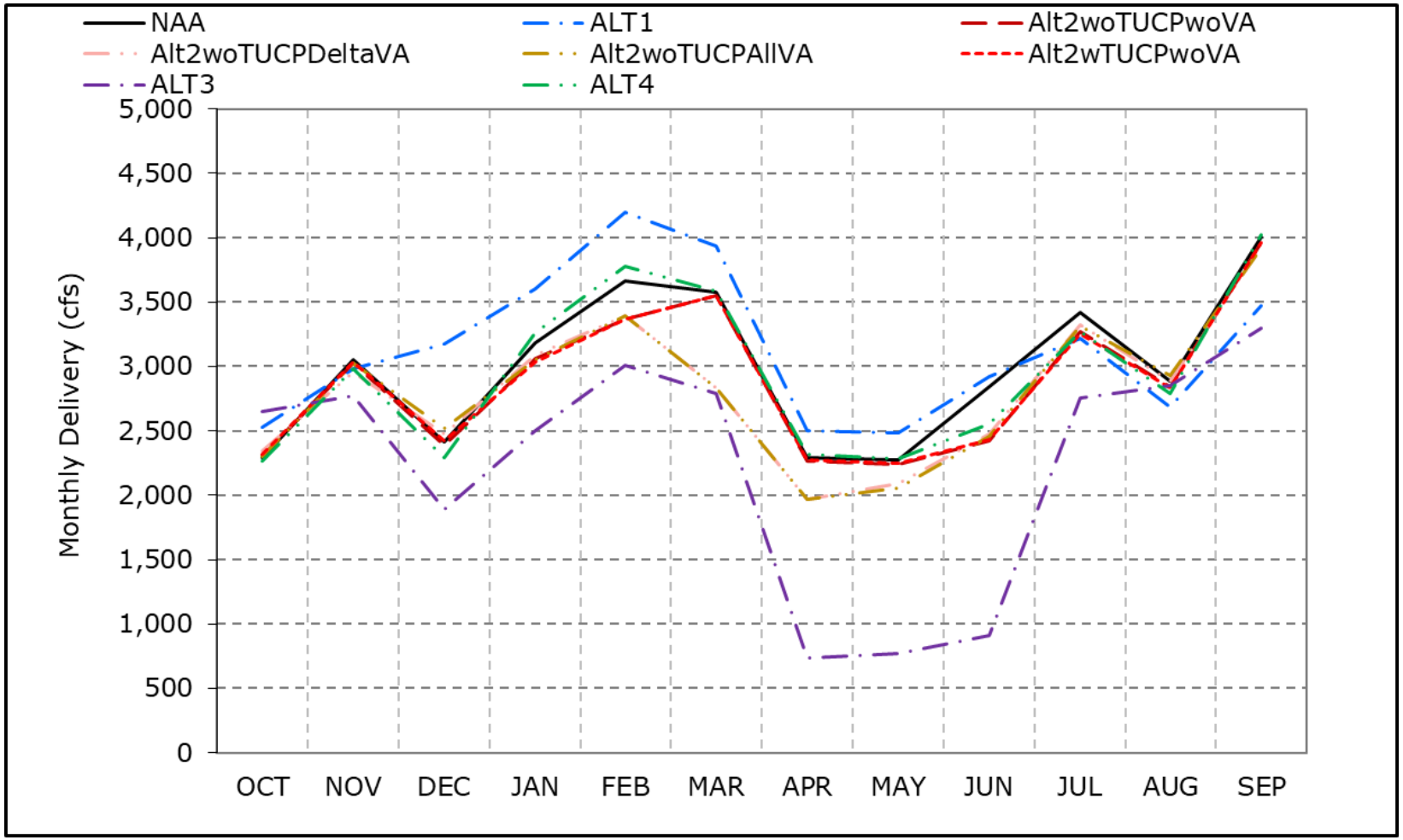
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-9-3. Jones Pumping Plant Exports, Above Normal Year Average Delivery



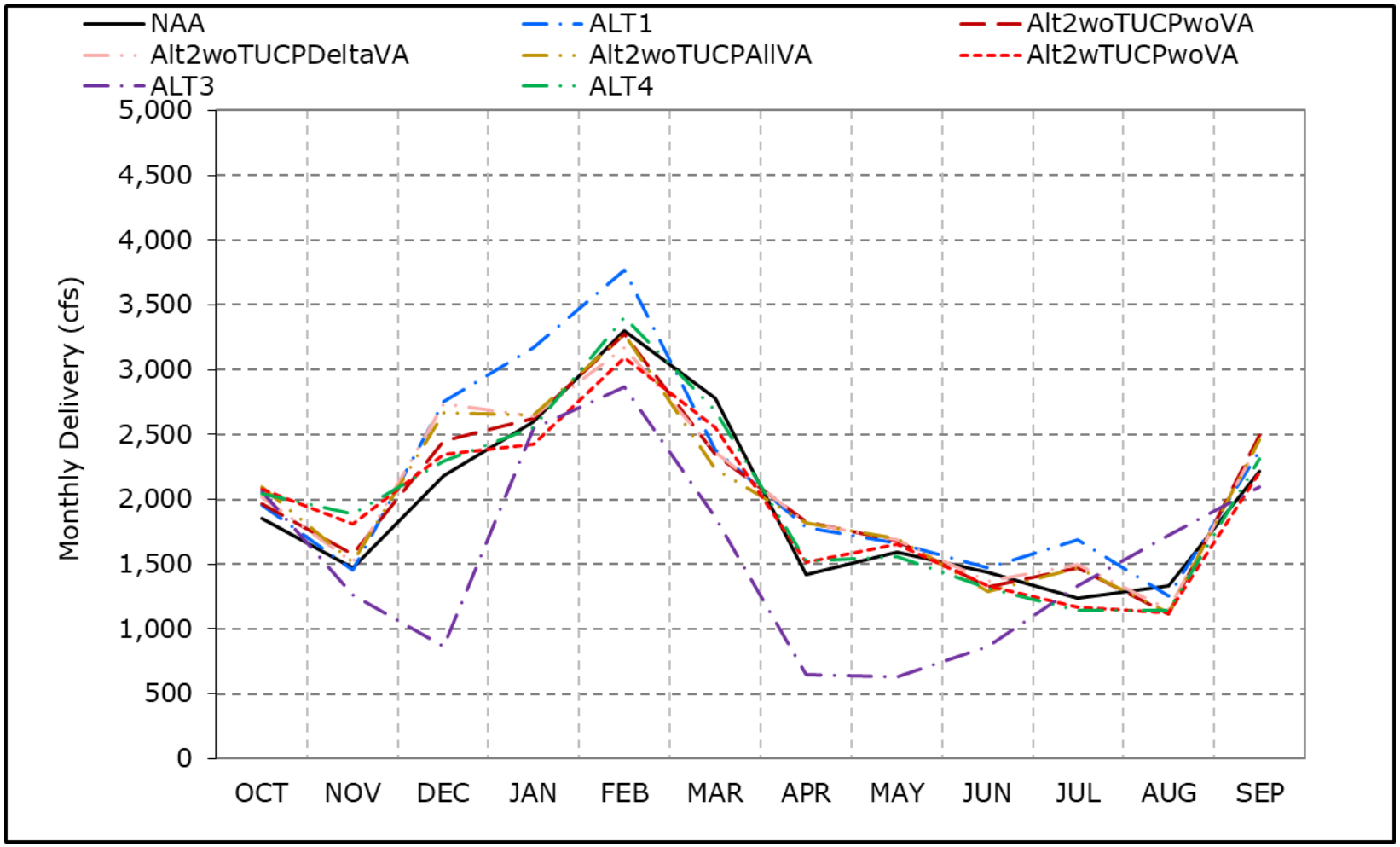
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-9-4. Jones Pumping Plant Exports, Below Normal Year Average Delivery



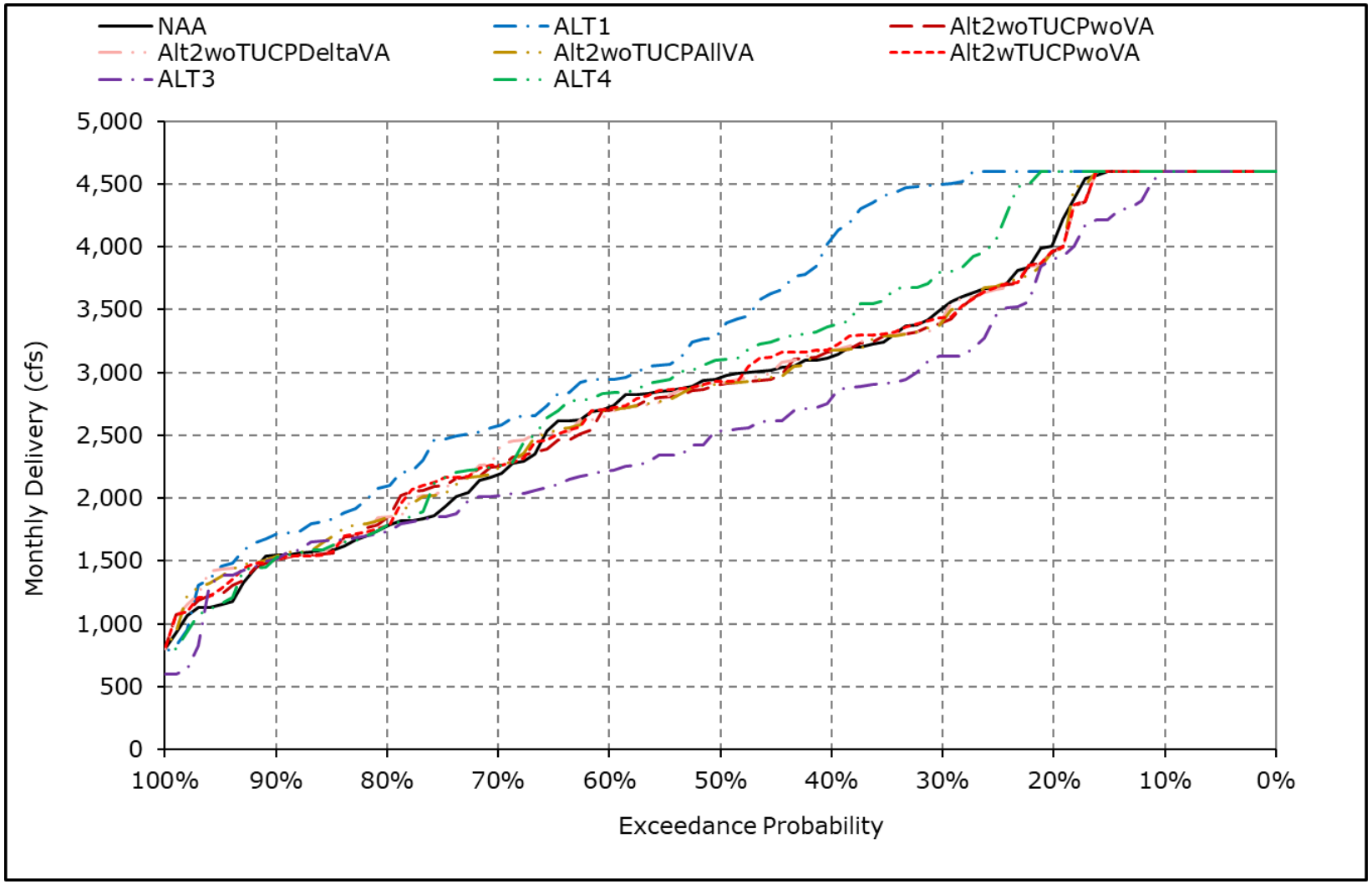
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-9-5. Jones Pumping Plant Exports, Dry Year Average Delivery



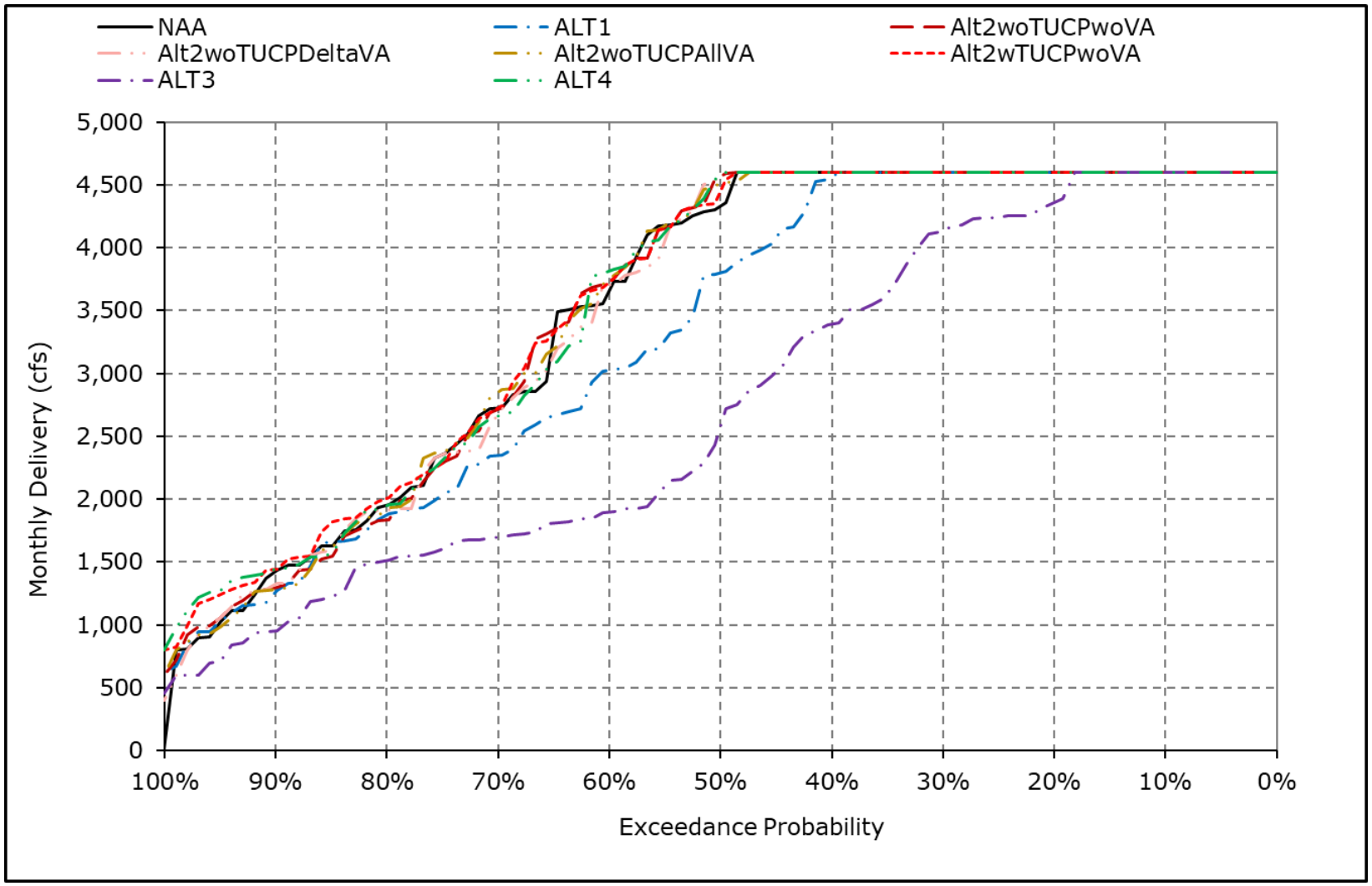
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-9-6. Jones Pumping Plant Exports, Critical Year Average Delivery



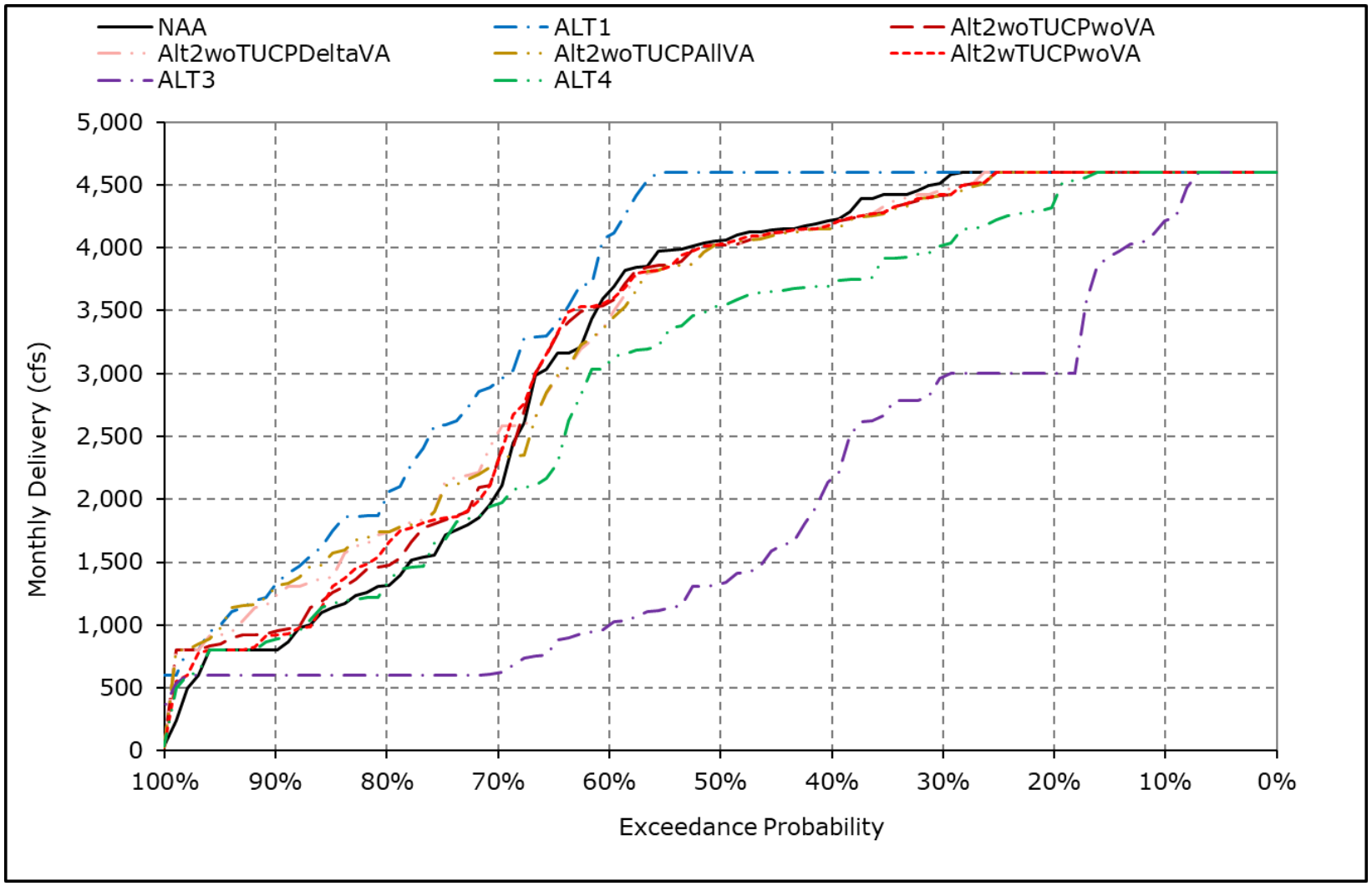
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-9-7. Jones Pumping Plant Exports, October



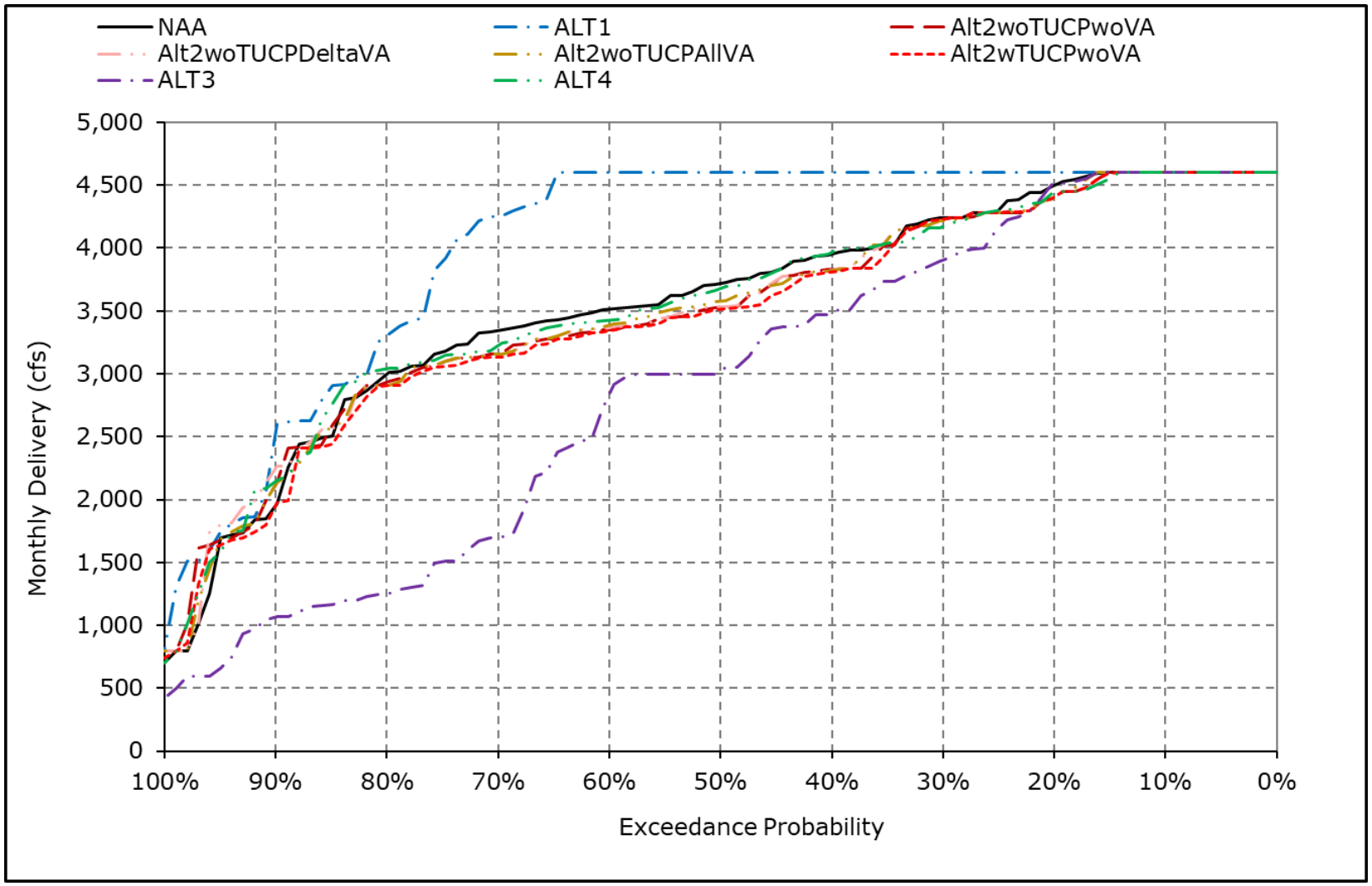
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-9-8. Jones Pumping Plant Exports, November



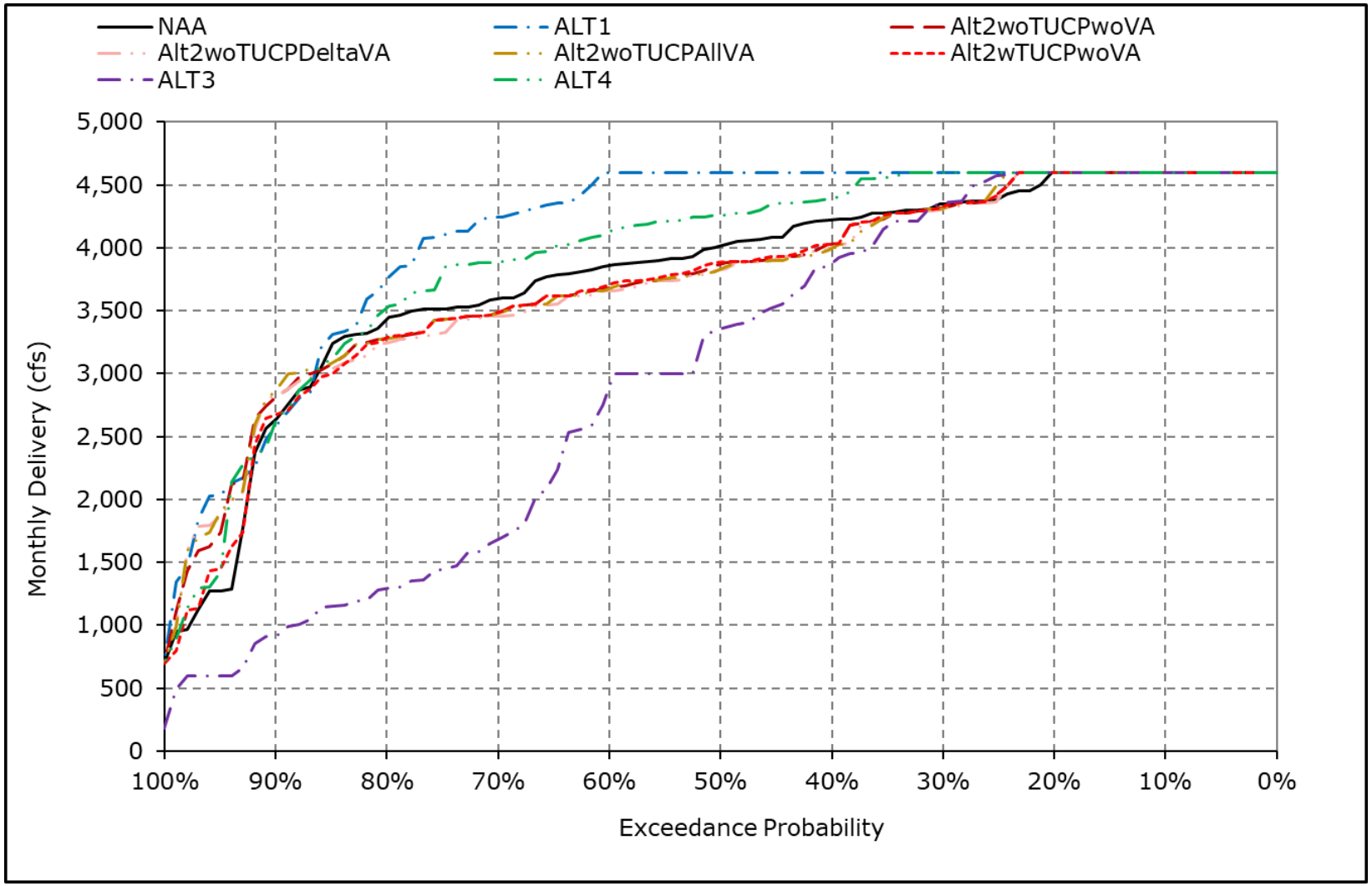
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-9-9. Jones Pumping Plant Exports, December



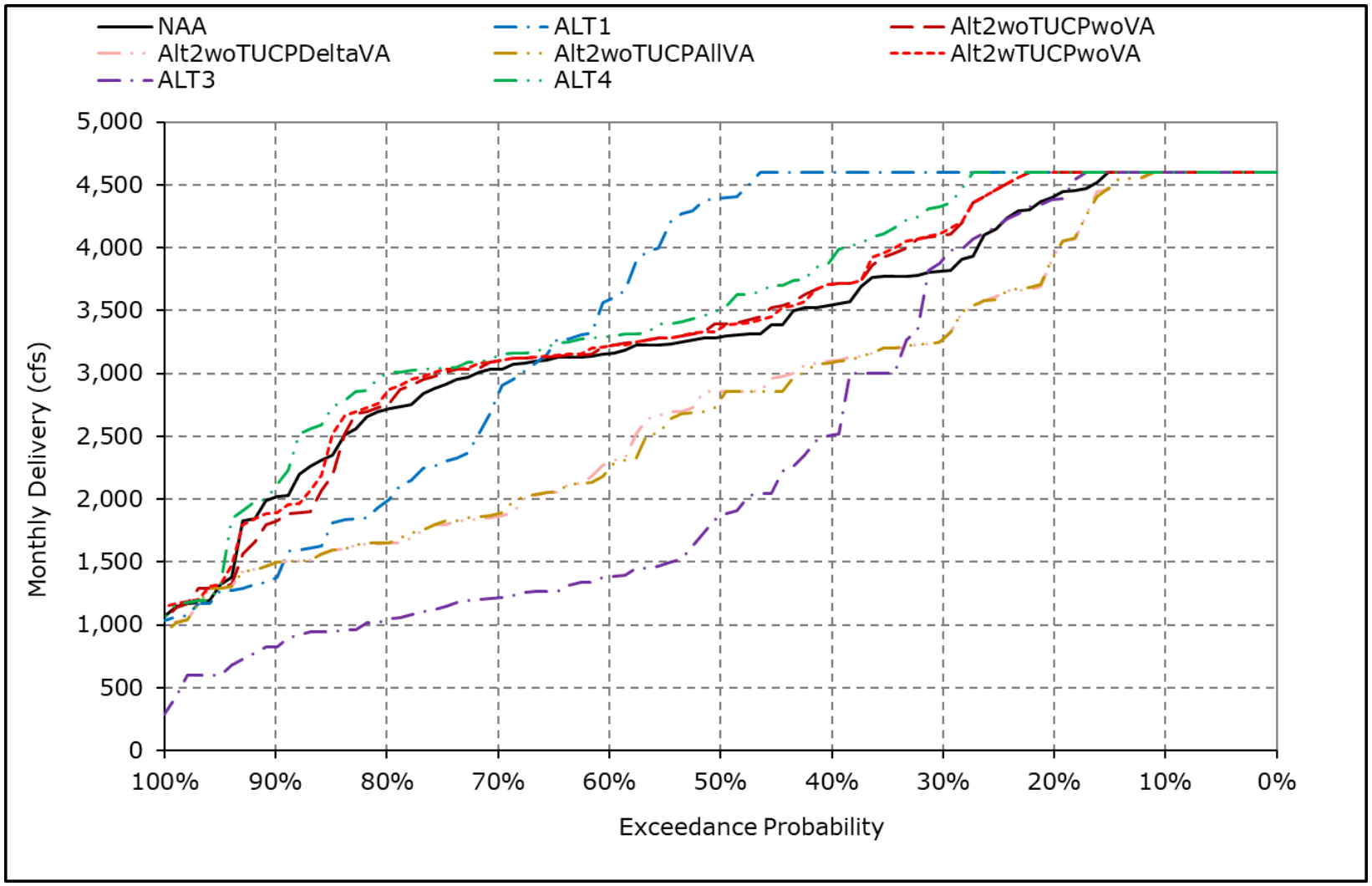
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-9-10. Jones Pumping Plant Exports, January



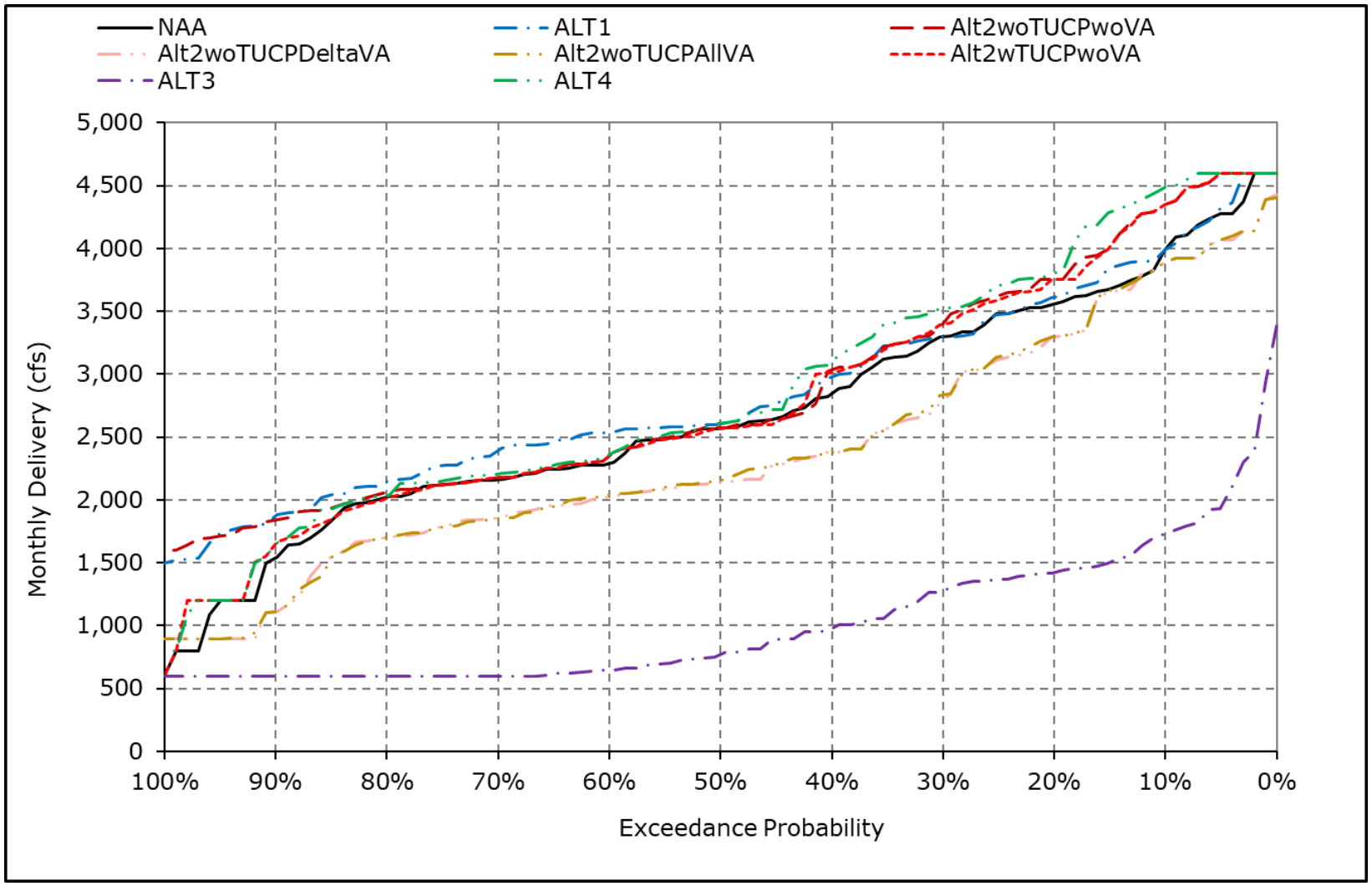
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-9-11. Jones Pumping Plant Exports, February



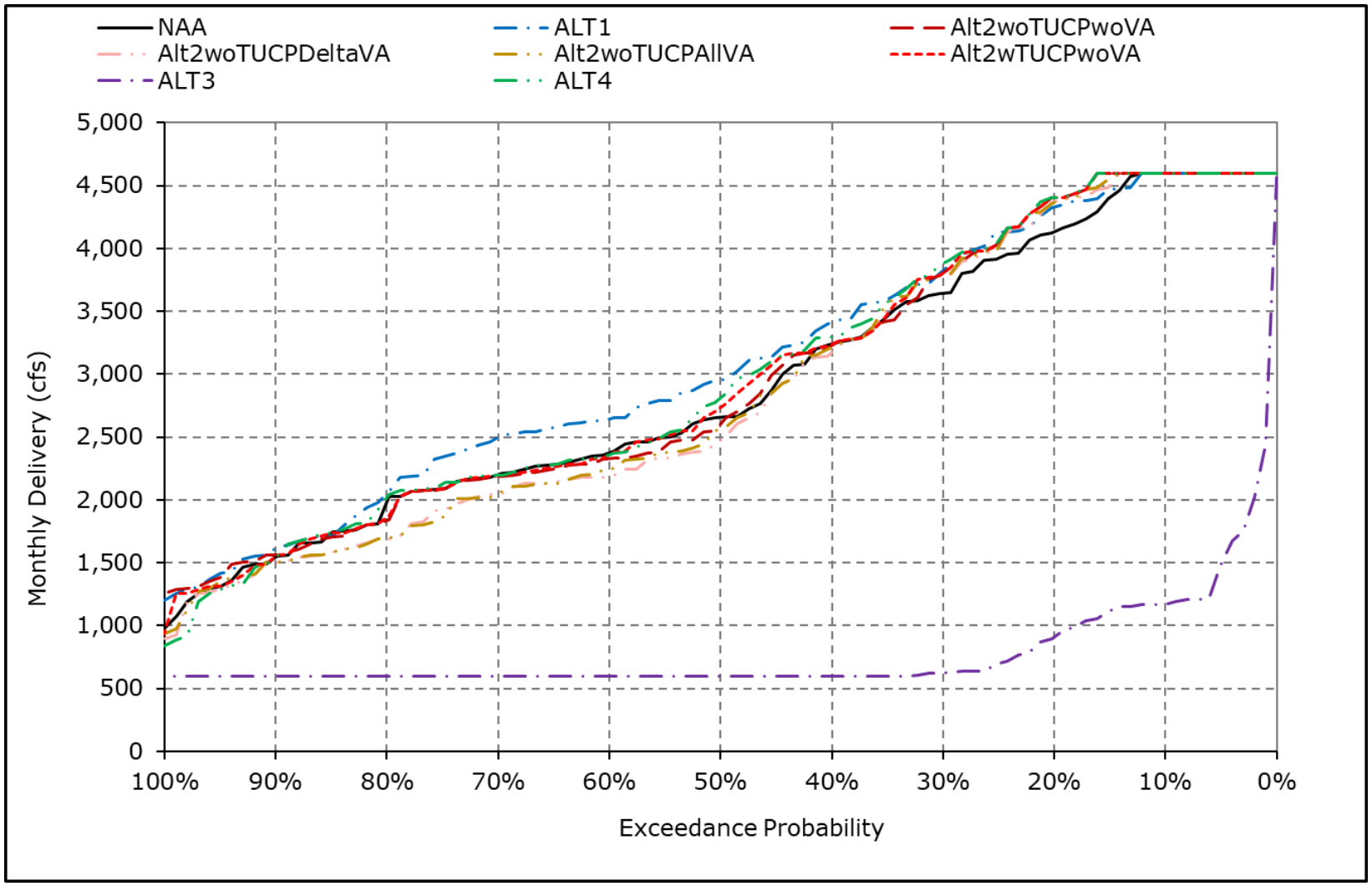
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-9-12. Jones Pumping Plant Exports, March



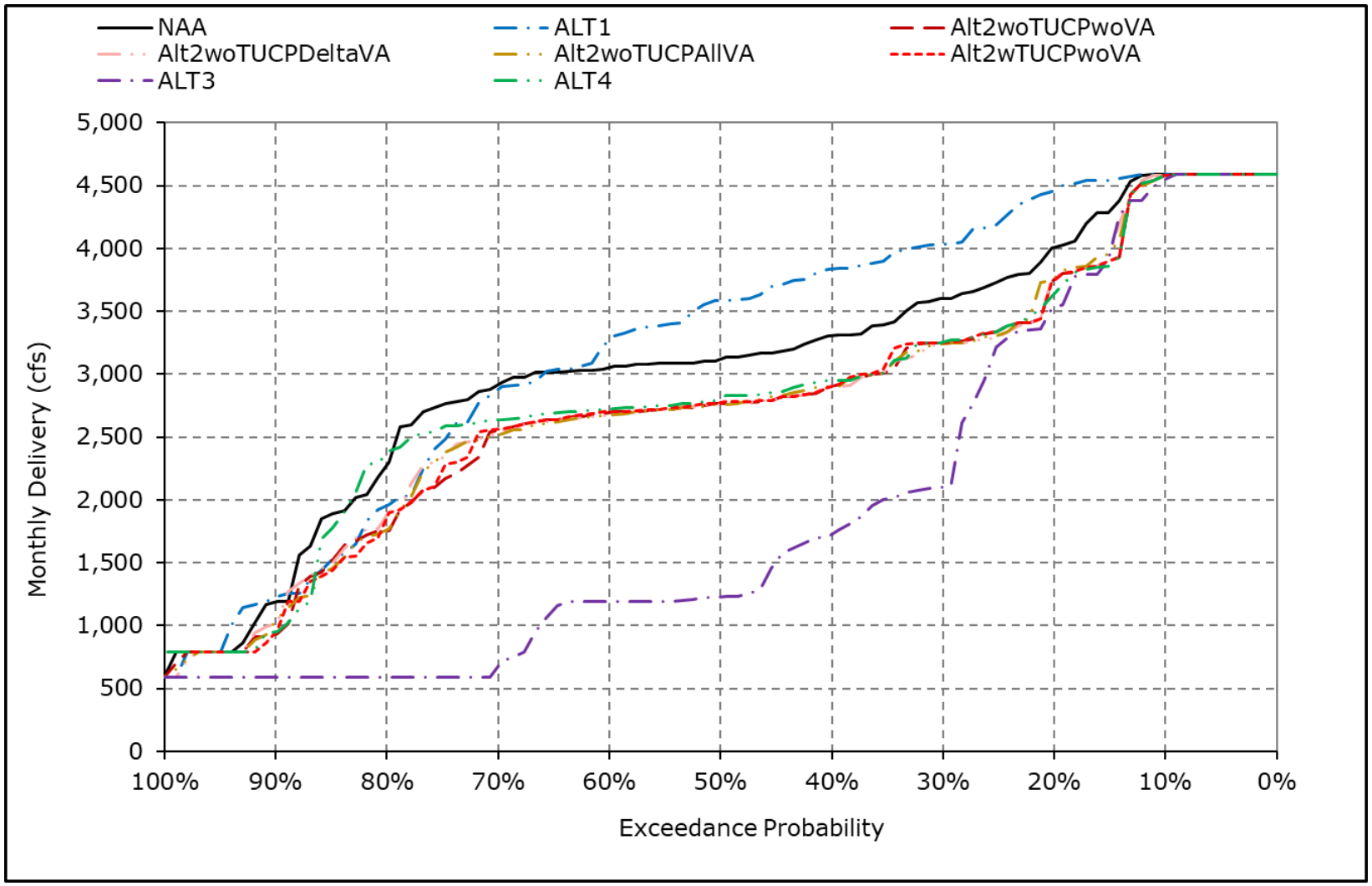
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-9-13. Jones Pumping Plant Exports, April



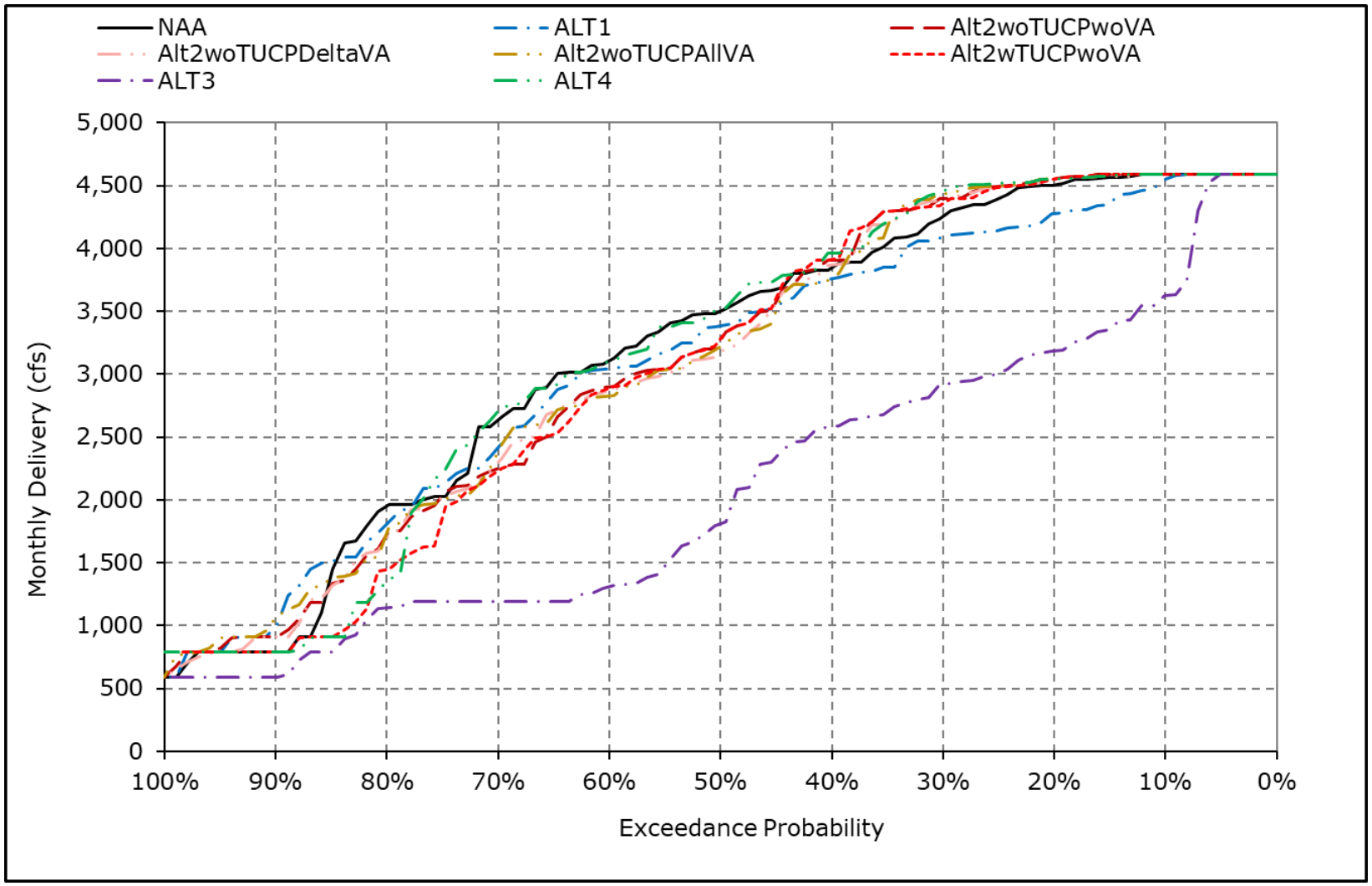
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-9-14. Jones Pumping Plant Exports, May



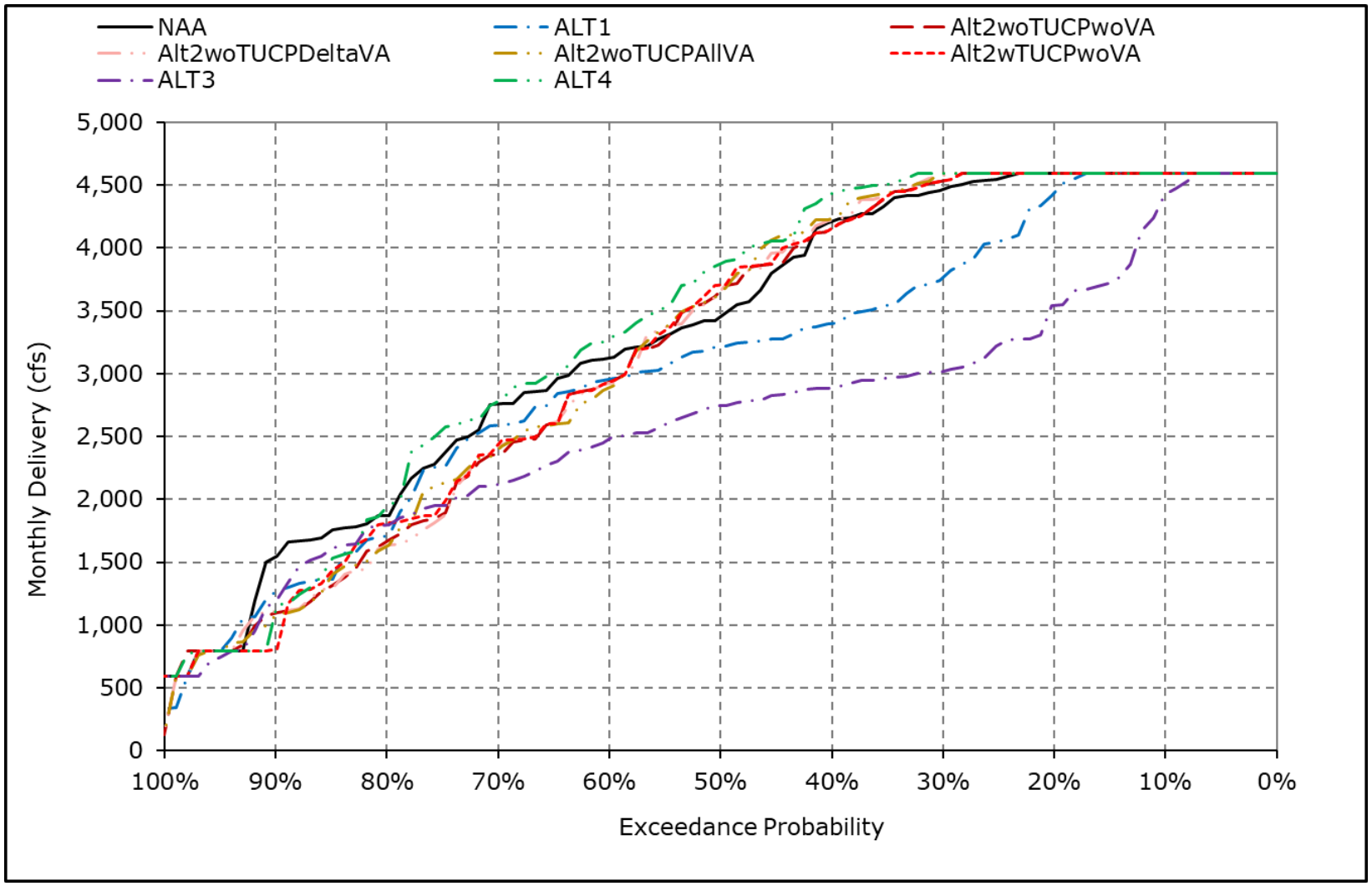
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-9-15. Jones Pumping Plant Exports, June



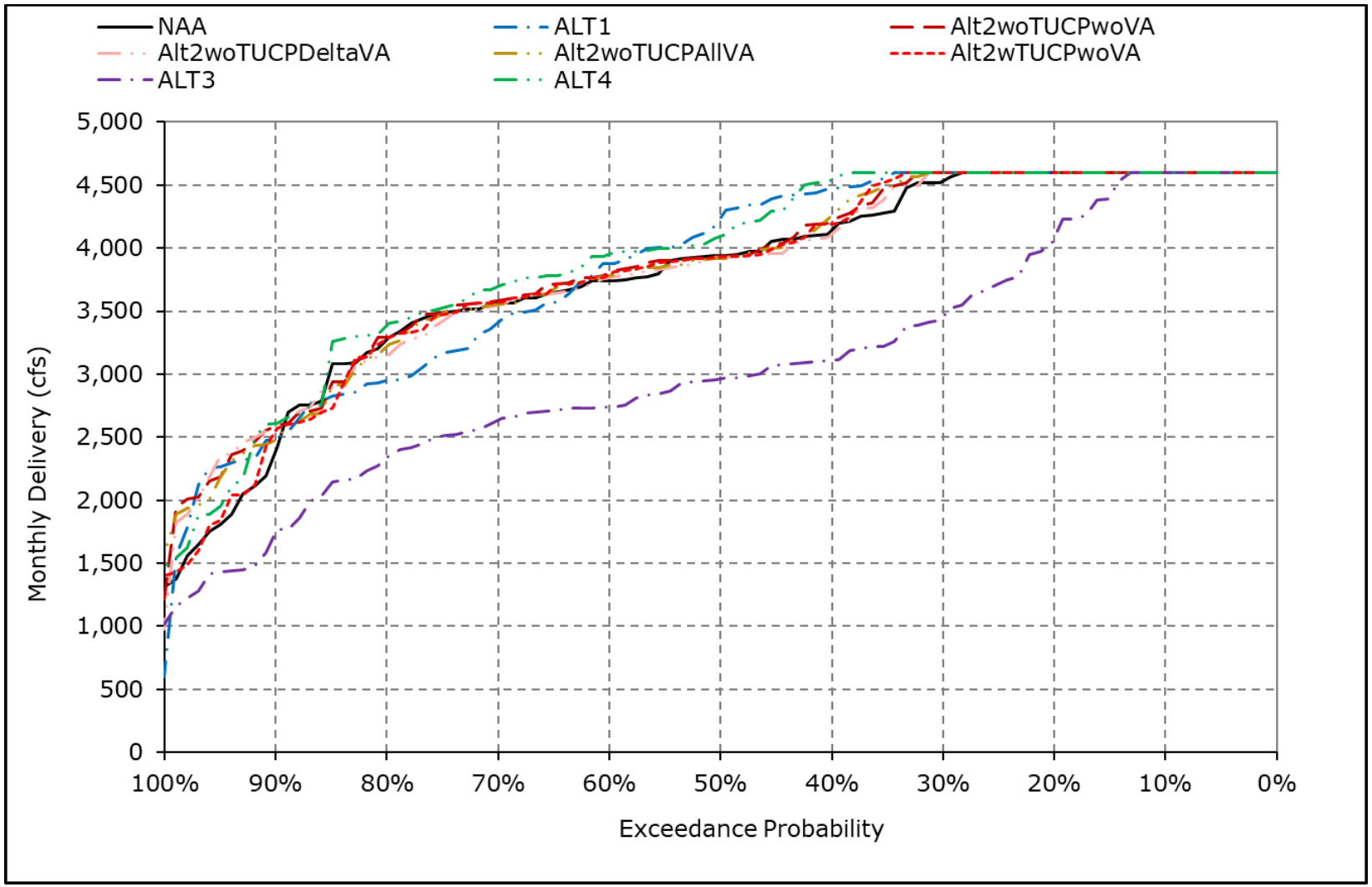
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-9-16. Jones Pumping Plant Exports, July



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

Figure F.2.3-9-17. Jones Pumping Plant Exports, August



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

Figure F.2.3-9-18. Jones Pumping Plant Exports, September

Table F.2.3-10-1a. Central Valley Project Banks Pumping Plant Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	1,691	0	0	0	0	0	0	0	764	389	0
20% Exceedance	0	1,271	0	0	0	0	0	0	0	424	0	0
30% Exceedance	0	819	0	0	0	0	0	0	0	2	0	0
40% Exceedance	0	36	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	54	482	48	34	26	40	0	9	11	188	109	11
Wet Water Years (28%)	0	820	119	123	94	141	0	31	39	79	0	0
Above Normal Water Years (14%)	0	1,294	78	0	0	0	0	0	0	0	0	0
Below Normal Water Years (18%)	298	280	0	0	0	0	0	0	0	87	502	60
Dry Water Years (24%)	0	21	11	0	0	0	0	0	0	576	78	0
Critical Water Years (16%)	0	18	0	0	0	0	0	0	0	76	0	0

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

Table F.2.3-10-1b. Central Valley Project Banks Pumping Plant Exports, Alternative 1, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,332	531	0	734	683	422	0	0	0	1,145	604	1,353
20% Exceedance	692	9	0	0	0	0	0	0	0	748	0	644
30% Exceedance	179	0	0	0	0	0	0	0	0	397	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]	317	137	40	211	220	141	0	9	11	315	128	288
Wet Water Years (28%)	576	375	98	460	593	383	0	31	41	181	174	245
Above Normal Water Years (14%)	797	68	81	577	382	142	0	0	0	13	92	775
Below Normal Water Years (18%)	169	48	0	10	0	8	0	0	0	321	189	616
Dry Water Years (24%)	0	0	0	0	0	53	0	0	0	744	136	0
Critical Water Years (16%)	42	86	4	0	0	0	0	0	0	165	0	0

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

Table F.2.3-10-1c. Central Valley Project Banks Pumping Plant Exports, Alternative 1 minus No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,332	-1,160	0	734	683	422	0	0	0	381	215	1,353
20% Exceedance	692	-1,262	0	0	0	0	0	0	0	324	0	644
30% Exceedance	179	-819	0	0	0	0	0	0	0	395	0	0
40% Exceedance	0	-36	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	264	-345	-7	177	193	102	0	0	0	127	19	277
Wet Water Years (28%)	576	-445	-21	337	499	242	0	0	2	102	174	245
Above Normal Water Years (14%)	797	-1,226	3	577	382	142	0	0	0	13	92	775
Below Normal Water Years (18%)	-129	-232	0	10	0	8	0	0	0	234	-314	556
Dry Water Years (24%)	0	-21	-11	0	0	53	0	0	0	167	58	0
Critical Water Years (16%)	42	68	4	0	0	0	0	0	0	89	0	0

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

Table F.2.3-10-2a. Central Valley Project Banks Pumping Plant Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	1,691	0	0	0	0	0	0	0	764	389	0
20% Exceedance	0	1,271	0	0	0	0	0	0	0	424	0	0
30% Exceedance	0	819	0	0	0	0	0	0	0	2	0	0
40% Exceedance	0	36	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	54	482	48	34	26	40	0	9	11	188	109	11
Wet Water Years (28%)	0	820	119	123	94	141	0	31	39	79	0	0
Above Normal Water Years (14%)	0	1,294	78	0	0	0	0	0	0	0	0	0
Below Normal Water Years (18%)	298	280	0	0	0	0	0	0	0	87	502	60
Dry Water Years (24%)	0	21	11	0	0	0	0	0	0	576	78	0
Critical Water Years (16%)	0	18	0	0	0	0	0	0	0	76	0	0

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

Table F.2.3-10-2b. Central Valley Project Banks Pumping Plant Exports, Alt2woTUCPwoVA, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	1,755	0	0	0	0	0	0	0	660	313	0
20% Exceedance	0	1,286	0	0	0	0	0	0	0	425	0	0
30% Exceedance	0	791	0	0	0	0	0	0	0	134	0	0
40% Exceedance	0	249	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]	31	518	86	52	46	96	0	9	11	195	106	19
Wet Water Years (28%)	21	828	253	184	102	341	0	31	39	149	0	0
Above Normal Water Years (14%)	0	1,319	72	0	126	0	0	0	0	0	0	0
Below Normal Water Years (18%)	125	407	0	0	0	0	0	0	0	122	451	104
Dry Water Years (24%)	0	0	17	0	0	0	0	0	0	507	104	0
Critical Water Years (16%)	14	100	0	0	0	0	0	0	0	58	0	0

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

Table F.2.3-10-2c. Central Valley Project Banks Pumping Plant Exports, Alt2woTUCPwoVA minus No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	64	0	0	0	0	0	0	0	-104	-77	0
20% Exceedance	0	15	0	0	0	0	0	0	0	1	0	0
30% Exceedance	0	-28	0	0	0	0	0	0	0	132	0	0
40% Exceedance	0	212	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]	-23	36	38	17	20	56	0	0	0	6	-3	8
Wet Water Years (28%)	21	8	135	61	7	200	0	0	0	70	0	0
Above Normal Water Years (14%)	0	24	-6	0	126	0	0	0	0	0	0	0
Below Normal Water Years (18%)	-173	127	0	0	0	0	0	0	0	35	-51	43
Dry Water Years (24%)	0	-21	6	0	0	0	0	0	0	-70	25	0
Critical Water Years (16%)	14	82	0	0	0	0	0	0	0	-17	0	0

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

Table F.2.3-10-3a. Central Valley Project Banks Pumping Plant Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	1,691	0	0	0	0	0	0	0	764	389	0
20% Exceedance	0	1,271	0	0	0	0	0	0	0	424	0	0
30% Exceedance	0	819	0	0	0	0	0	0	0	2	0	0
40% Exceedance	0	36	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	54	482	48	34	26	40	0	9	11	188	109	11
Wet Water Years (28%)	0	820	119	123	94	141	0	31	39	79	0	0
Above Normal Water Years (14%)	0	1,294	78	0	0	0	0	0	0	0	0	0
Below Normal Water Years (18%)	298	280	0	0	0	0	0	0	0	87	502	60
Dry Water Years (24%)	0	21	11	0	0	0	0	0	0	576	78	0
Critical Water Years (16%)	0	18	0	0	0	0	0	0	0	76	0	0

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

Table F.2.3-10-3b. Central Valley Project Banks Pumping Plant Exports, Alt2woTUCPDeltaVA, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	1,371	307	0	0	0	0	0	0	638	722	0
20% Exceedance	0	1,053	0	0	0	0	0	0	0	213	0	0
30% Exceedance	0	711	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	206	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	27	451	107	60	46	104	0	9	11	160	140	15
Wet Water Years (28%)	21	665	287	213	77	372	0	31	39	133	0	0
Above Normal Water Years (14%)	0	1,219	73	0	171	0	0	0	0	0	0	0
Below Normal Water Years (18%)	104	331	42	0	0	0	0	0	0	62	532	85
Dry Water Years (24%)	0	19	24	0	0	0	0	0	0	421	186	0
Critical Water Years (16%)	14	117	14	0	0	0	0	0	0	68	0	0

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

Table F.2.3-10-3c. Central Valley Project Banks Pumping Plant Exports, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	-319	307	0	0	0	0	0	0	-126	333	0
20% Exceedance	0	-218	0	0	0	0	0	0	0	-210	0	0
30% Exceedance	0	-108	0	0	0	0	0	0	0	-2	0	0
40% Exceedance	0	170	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	-27	-31	59	25	19	65	0	0	0	-28	31	4
Wet Water Years (28%)	21	-155	168	90	-17	231	0	0	0	54	0	0
Above Normal Water Years (14%)	0	-75	-5	0	171	0	0	0	0	0	0	0
Below Normal Water Years (18%)	-194	51	42	0	0	0	0	0	0	-25	30	25
Dry Water Years (24%)	0	-2	13	0	0	0	0	0	0	-156	108	0
Critical Water Years (16%)	14	99	14	0	0	0	0	0	0	-8	0	0

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

Table F.2.3-10-4a. Central Valley Project Banks Pumping Plant Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	1,691	0	0	0	0	0	0	0	764	389	0
20% Exceedance	0	1,271	0	0	0	0	0	0	0	424	0	0
30% Exceedance	0	819	0	0	0	0	0	0	0	2	0	0
40% Exceedance	0	36	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	54	482	48	34	26	40	0	9	11	188	109	11
Wet Water Years (28%)	0	820	119	123	94	141	0	31	39	79	0	0
Above Normal Water Years (14%)	0	1,294	78	0	0	0	0	0	0	0	0	0
Below Normal Water Years (18%)	298	280	0	0	0	0	0	0	0	87	502	60
Dry Water Years (24%)	0	21	11	0	0	0	0	0	0	576	78	0
Critical Water Years (16%)	0	18	0	0	0	0	0	0	0	76	0	0

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

Table F.2.3-10-4b. Central Valley Project Banks Pumping Plant Exports, Alt2woTUCPAllVA, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	1,481	177	0	0	0	0	0	0	653	654	0
20% Exceedance	0	1,053	0	0	0	0	0	0	0	291	0	0
30% Exceedance	0	702	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	215	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]	38	456	105	57	36	102	0	9	11	165	127	22
Wet Water Years (28%)	21	677	300	204	82	365	0	31	39	142	0	0
Above Normal Water Years (14%)	0	1,222	75	0	92	0	0	0	0	0	0	0
Below Normal Water Years (18%)	167	337	52	0	0	0	0	0	0	60	452	121
Dry Water Years (24%)	0	22	0	0	0	0	0	0	0	440	191	0
Critical Water Years (16%)	14	115	0	0	0	0	0	0	0	59	0	0

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

Table F.2.3-10-4c. Central Valley Project Banks Pumping Plant Exports, Alt2woTUCPAllVA minus No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	-210	177	0	0	0	0	0	0	-111	265	0
20% Exceedance	0	-218	0	0	0	0	0	0	0	-133	0	0
30% Exceedance	0	-117	0	0	0	0	0	0	0	-2	0	0
40% Exceedance	0	179	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]	-16	-26	57	23	9	63	0	0	0	-23	18	11
Wet Water Years (28%)	21	-143	181	82	-12	223	0	0	0	63	0	0
Above Normal Water Years (14%)	0	-73	-4	0	92	0	0	0	0	0	0	0
Below Normal Water Years (18%)	-132	57	52	0	0	0	0	0	0	-28	-51	60
Dry Water Years (24%)	0	1	-11	0	0	0	0	0	0	-137	112	0
Critical Water Years (16%)	14	96	0	0	0	0	0	0	0	-17	0	0

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

Table F.2.3-10-5a. Central Valley Project Banks Pumping Plant Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	1,691	0	0	0	0	0	0	0	764	389	0
20% Exceedance	0	1,271	0	0	0	0	0	0	0	424	0	0
30% Exceedance	0	819	0	0	0	0	0	0	0	2	0	0
40% Exceedance	0	36	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	54	482	48	34	26	40	0	9	11	188	109	11
Wet Water Years (28%)	0	820	119	123	94	141	0	31	39	79	0	0
Above Normal Water Years (14%)	0	1,294	78	0	0	0	0	0	0	0	0	0
Below Normal Water Years (18%)	298	280	0	0	0	0	0	0	0	87	502	60
Dry Water Years (24%)	0	21	11	0	0	0	0	0	0	576	78	0
Critical Water Years (16%)	0	18	0	0	0	0	0	0	0	76	0	0

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

Table F.2.3-10-5b. Central Valley Project Banks Pumping Plant Exports, Alt2wTUCPwoVA, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	1,749	0	0	0	0	0	0	0	691	411	0
20% Exceedance	0	1,286	0	0	0	0	0	0	0	432	0	0
30% Exceedance	0	815	0	0	0	0	0	0	0	39	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]	34	496	87	51	48	106	0	9	11	197	118	16
Wet Water Years (28%)	21	825	258	183	103	379	0	31	39	151	0	0
Above Normal Water Years (14%)	0	1,317	72	0	139	0	0	0	0	0	0	0
Below Normal Water Years (18%)	155	376	0	0	0	0	0	0	0	134	504	89
Dry Water Years (24%)	0	0	17	0	0	0	0	0	0	513	114	0
Critical Water Years (16%)	0	0	0	0	0	0	0	0	0	47	0	0

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

Table F.2.3-10-5c. Central Valley Project Banks Pumping Plant Exports, Alt2wTUCPwoVA minus No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	58	0	0	0	0	0	0	0	-73	21	0
20% Exceedance	0	15	0	0	0	0	0	0	0	8	0	0
30% Exceedance	0	-4	0	0	0	0	0	0	0	38	0	0
40% Exceedance	0	-36	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	-20	14	40	17	22	67	0	0	0	9	9	5
Wet Water Years (28%)	21	5	139	61	8	238	0	0	0	73	0	0
Above Normal Water Years (14%)	0	22	-6	0	139	0	0	0	0	0	0	0
Below Normal Water Years (18%)	-143	96	0	0	0	0	0	0	0	46	1	29
Dry Water Years (24%)	0	-21	6	0	0	0	0	0	0	-64	35	0
Critical Water Years (16%)	0	-18	0	0	0	0	0	0	0	-28	0	0

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

Table F.2.3-10-6a. Central Valley Project Banks Pumping Plant Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	1,691	0	0	0	0	0	0	0	764	389	0
20% Exceedance	0	1,271	0	0	0	0	0	0	0	424	0	0
30% Exceedance	0	819	0	0	0	0	0	0	0	2	0	0
40% Exceedance	0	36	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	54	482	48	34	26	40	0	9	11	188	109	11
Wet Water Years (28%)	0	820	119	123	94	141	0	31	39	79	0	0
Above Normal Water Years (14%)	0	1,294	78	0	0	0	0	0	0	0	0	0
Below Normal Water Years (18%)	298	280	0	0	0	0	0	0	0	87	502	60
Dry Water Years (24%)	0	21	11	0	0	0	0	0	0	576	78	0
Critical Water Years (16%)	0	18	0	0	0	0	0	0	0	76	0	0

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

Table F.2.3-10-6b. Central Valley Project Banks Pumping Plant Exports, Alternative 3, Monthly Delivery (cfs)

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

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

Table F.2.3-10-6c. Central Valley Project Banks Pumping Plant Exports, Alternative 3 minus No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	-1,691	0	0	0	0	0	0	0	-764	-389	0
20% Exceedance	0	-1,271	0	0	0	0	0	0	0	-424	0	0
30% Exceedance	0	-819	0	0	0	0	0	0	0	-2	0	0
40% Exceedance	0	-36	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	-54	-482	-48	-34	-26	-40	0	-9	-11	-188	-109	-11
Wet Water Years (28%)	0	-820	-119	-123	-94	-141	0	-31	-39	-79	0	0
Above Normal Water Years (14%)	0	-1,294	-78	0	0	0	0	0	0	0	0	0
Below Normal Water Years (18%)	-298	-280	0	0	0	0	0	0	0	-87	-502	-60
Dry Water Years (24%)	0	-21	-11	0	0	0	0	0	0	-576	-78	0
Critical Water Years (16%)	0	-18	0	0	0	0	0	0	0	-76	0	0

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

Table F.2.3-10-7a. Central Valley Project Banks Pumping Plant Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	1,691	0	0	0	0	0	0	0	764	389	0
20% Exceedance	0	1,271	0	0	0	0	0	0	0	424	0	0
30% Exceedance	0	819	0	0	0	0	0	0	0	2	0	0
40% Exceedance	0	36	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	54	482	48	34	26	40	0	9	11	188	109	11
Wet Water Years (28%)	0	820	119	123	94	141	0	31	39	79	0	0
Above Normal Water Years (14%)	0	1,294	78	0	0	0	0	0	0	0	0	0
Below Normal Water Years (18%)	298	280	0	0	0	0	0	0	0	87	502	60
Dry Water Years (24%)	0	21	11	0	0	0	0	0	0	576	78	0
Critical Water Years (16%)	0	18	0	0	0	0	0	0	0	76	0	0

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

Table F.2.3-10-7b. Central Valley Project Banks Pumping Plant Exports, Alternative 4, Monthly Delivery (cfs)

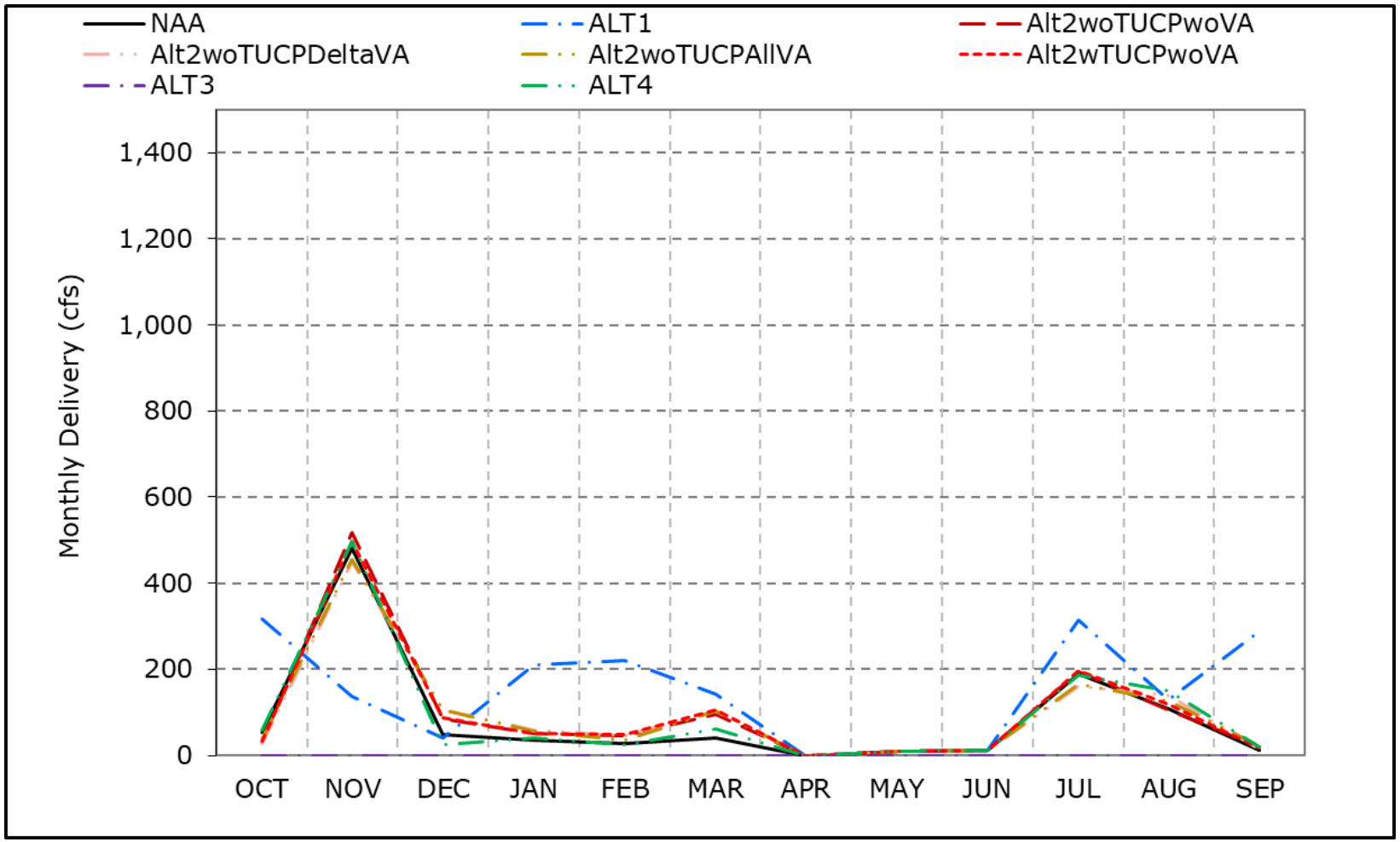
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	1,706	0	0	0	0	0	0	0	673	651	0
20% Exceedance	0	1,248	0	0	0	0	0	0	0	388	130	0
30% Exceedance	0	857	0	0	0	0	0	0	0	27	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	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]	59	498	25	41	24	61	0	9	11	186	150	20
Wet Water Years (28%)	21	809	50	146	27	217	0	31	39	119	138	0
Above Normal Water Years (14%)	14	1,185	1	0	115	0	0	0	0	0	228	0
Below Normal Water Years (18%)	284	489	61	0	0	0	0	0	0	94	252	109
Dry Water Years (24%)	0	22	0	0	0	0	0	0	0	500	140	0
Critical Water Years (16%)	0	0	0	0	0	0	0	0	0	95	0	0

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

Table F.2.3-10-7c. Central Valley Project Banks Pumping Plant Exports, Alternative 4 minus No Action Alternative, Monthly Delivery (cfs)

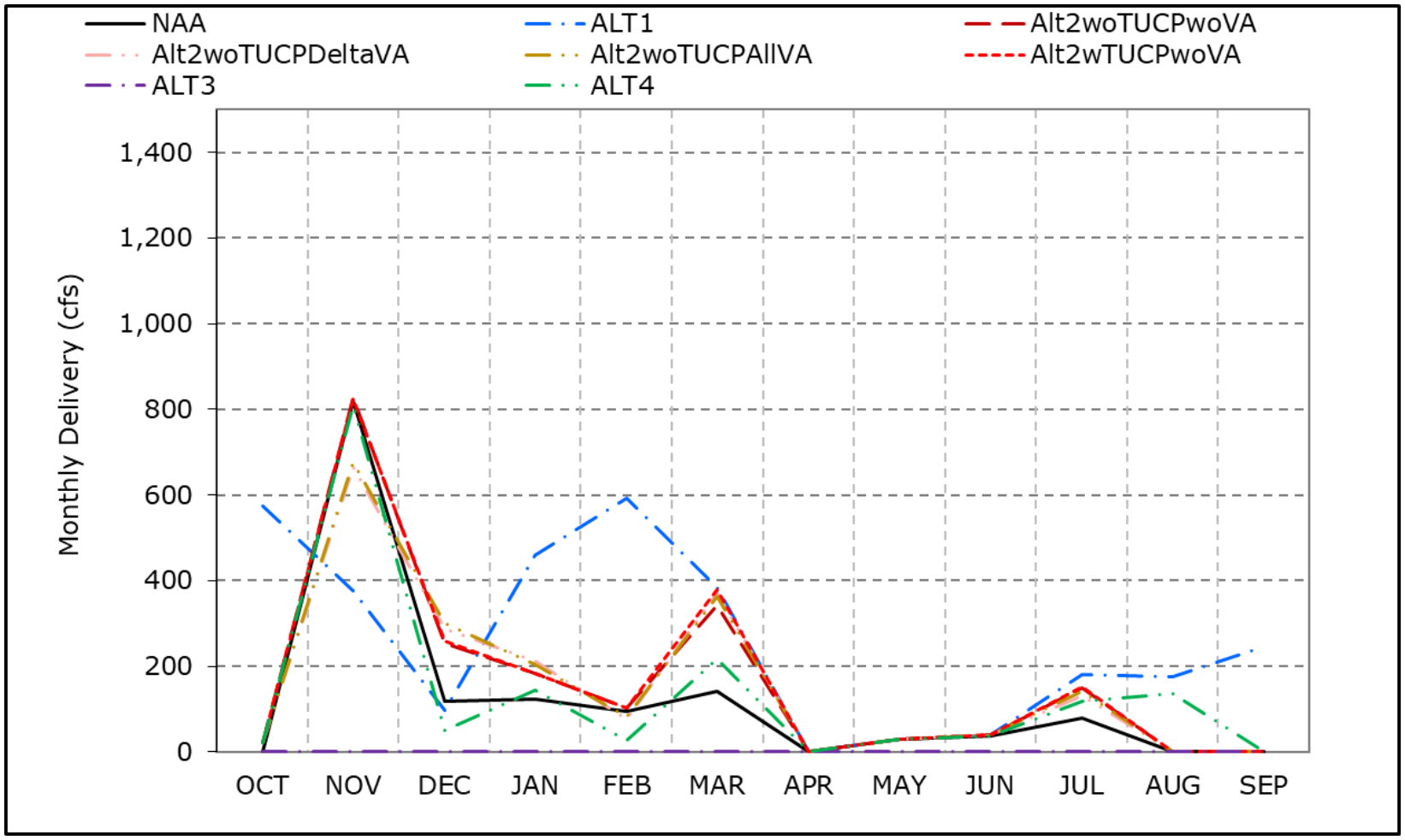
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	16	0	0	0	0	0	0	0	-92	262	0
20% Exceedance	0	-23	0	0	0	0	0	0	0	-36	130	0
30% Exceedance	0	38	0	0	0	0	0	0	0	25	0	0
40% Exceedance	0	-36	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	6	16	-22	6	-3	21	0	0	0	-3	40	9
Wet Water Years (28%)	21	-11	-68	23	-68	76	0	0	0	40	138	0
Above Normal Water Years (14%)	14	-109	-77	0	115	0	0	0	0	0	228	0
Below Normal Water Years (18%)	-14	209	61	0	0	0	0	0	0	7	-250	48
Dry Water Years (24%)	0	2	-11	0	0	0	0	0	0	-76	62	0
Critical Water Years (16%)	0	-18	0	0	0	0	0	0	0	19	0	0

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



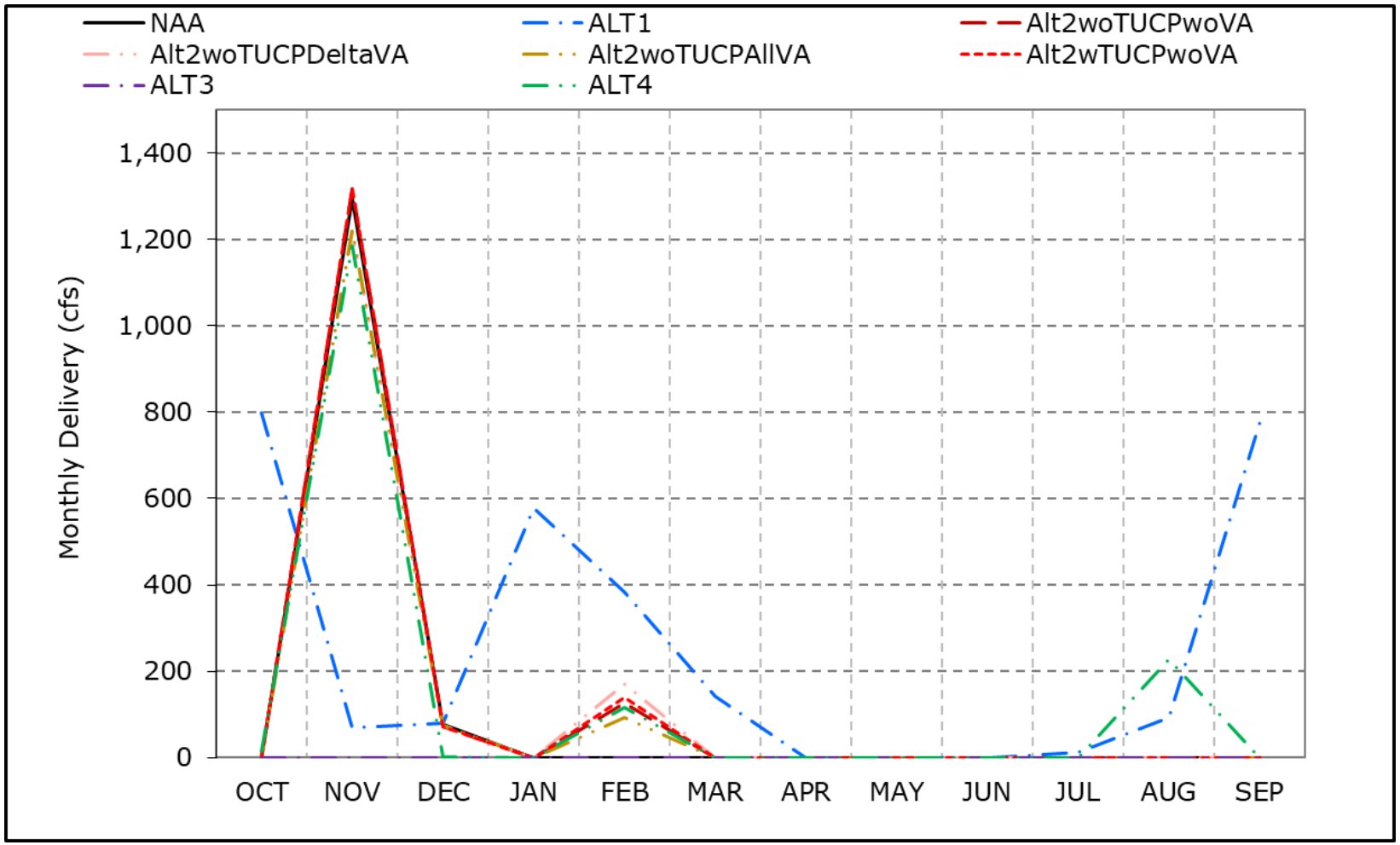
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-10-1. Central Valley Project Banks Pumping Plant Exports, Long-Term Average Delivery



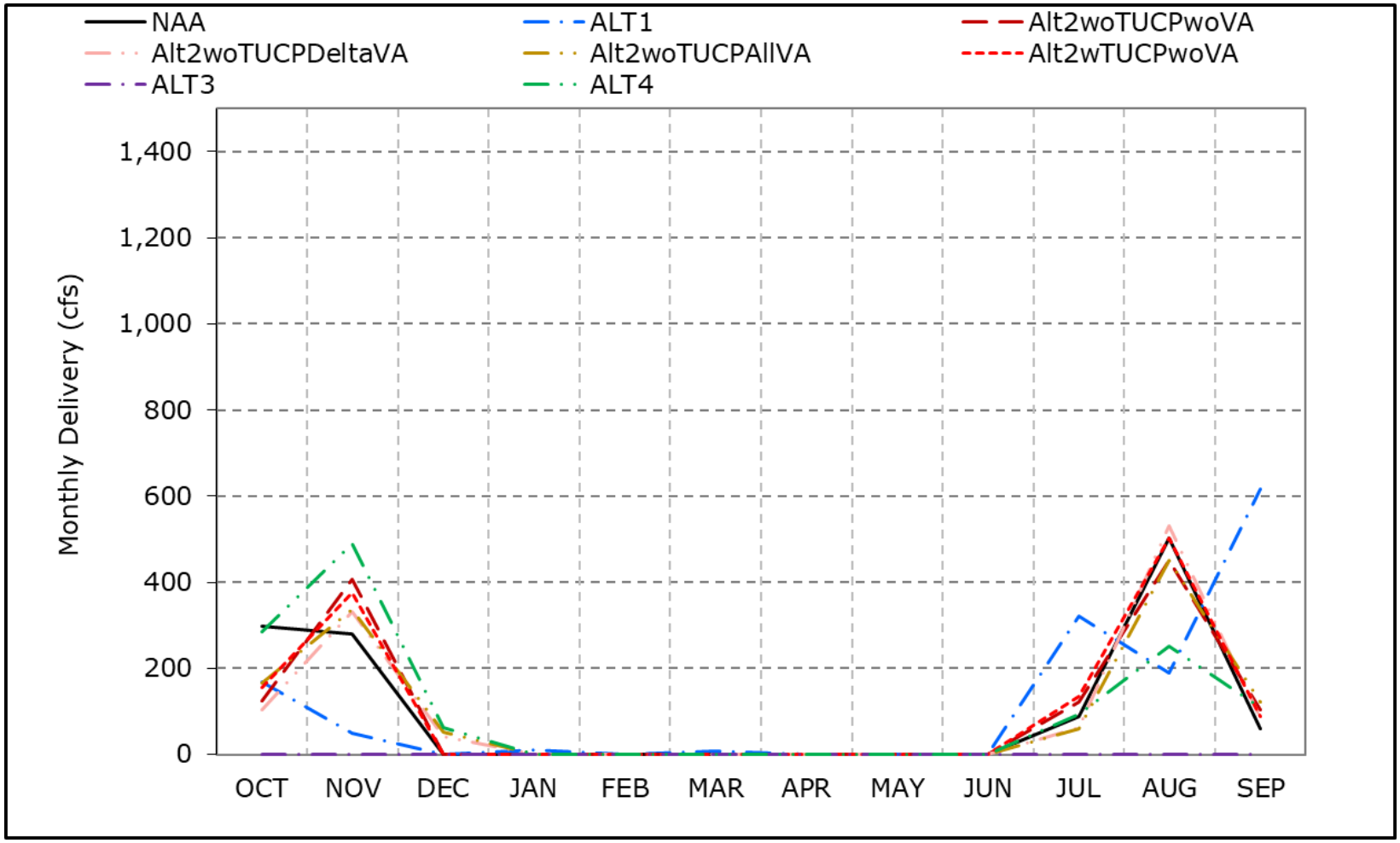
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-10-2. Central Valley Project Banks Pumping Plant Exports, Wet Year Average Delivery



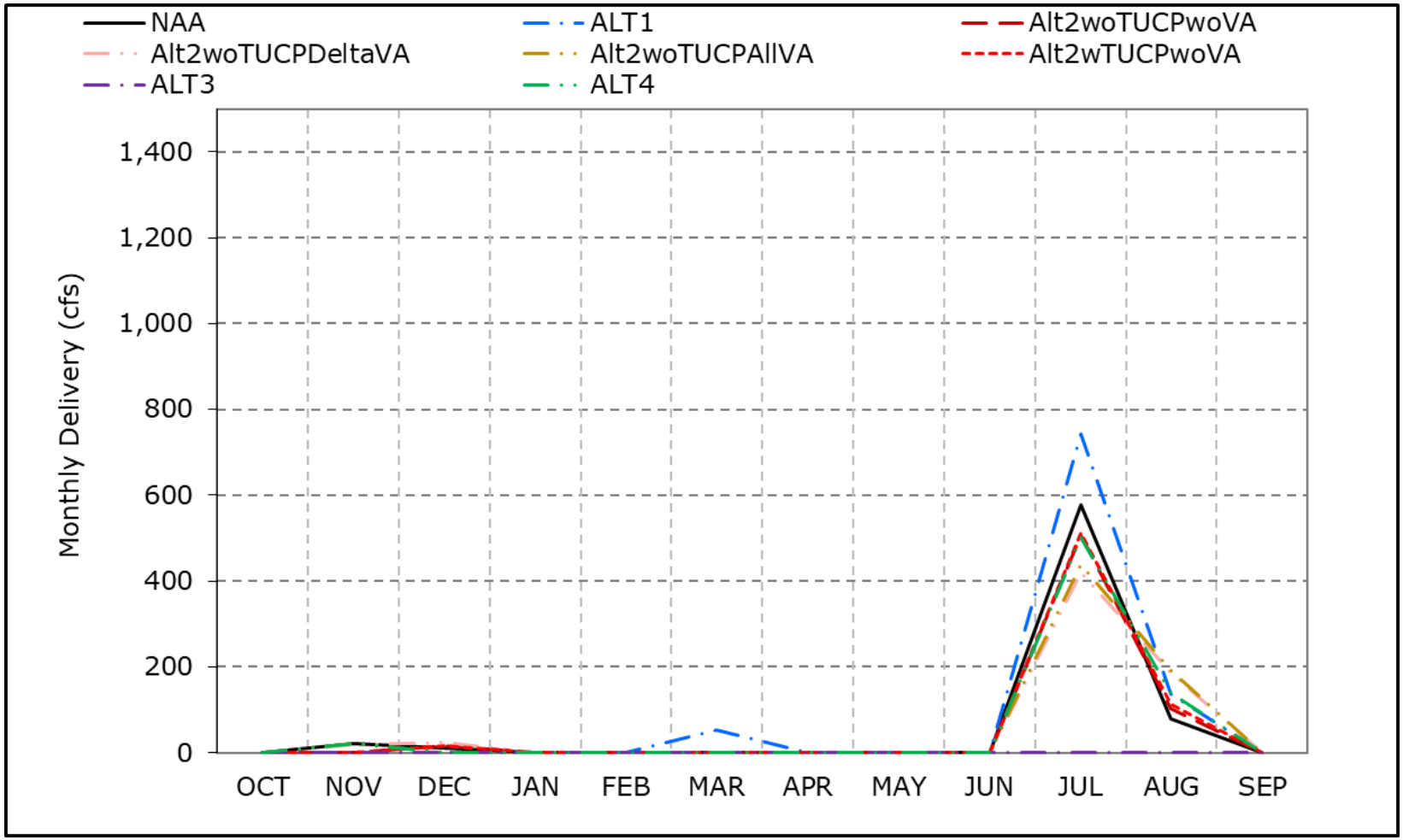
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-10-3. Central Valley Project Banks Pumping Plant Exports, Above Normal Year Average Delivery



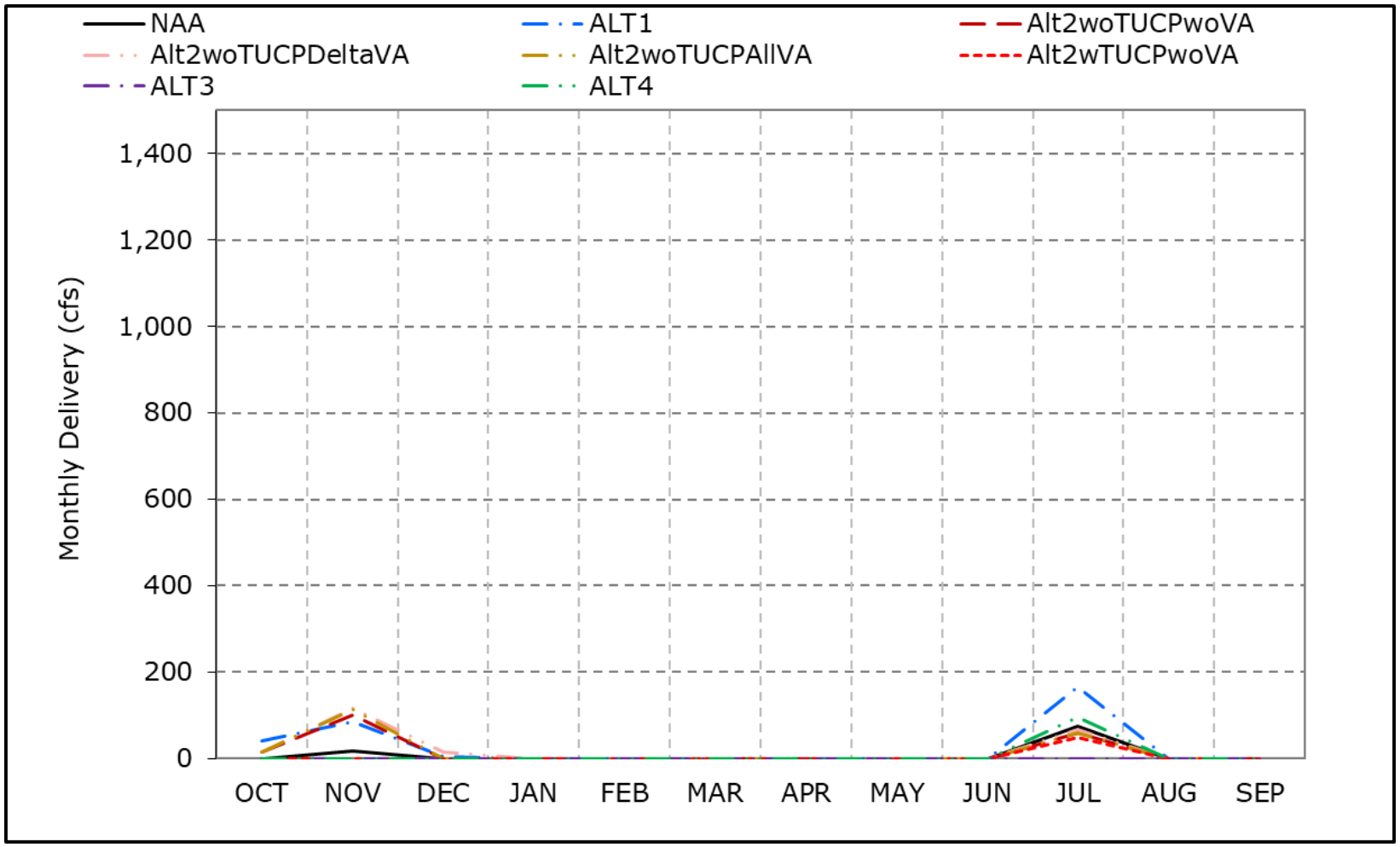
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-10-4. Central Valley Project Banks Pumping Plant Exports, Below Normal Year Average Delivery



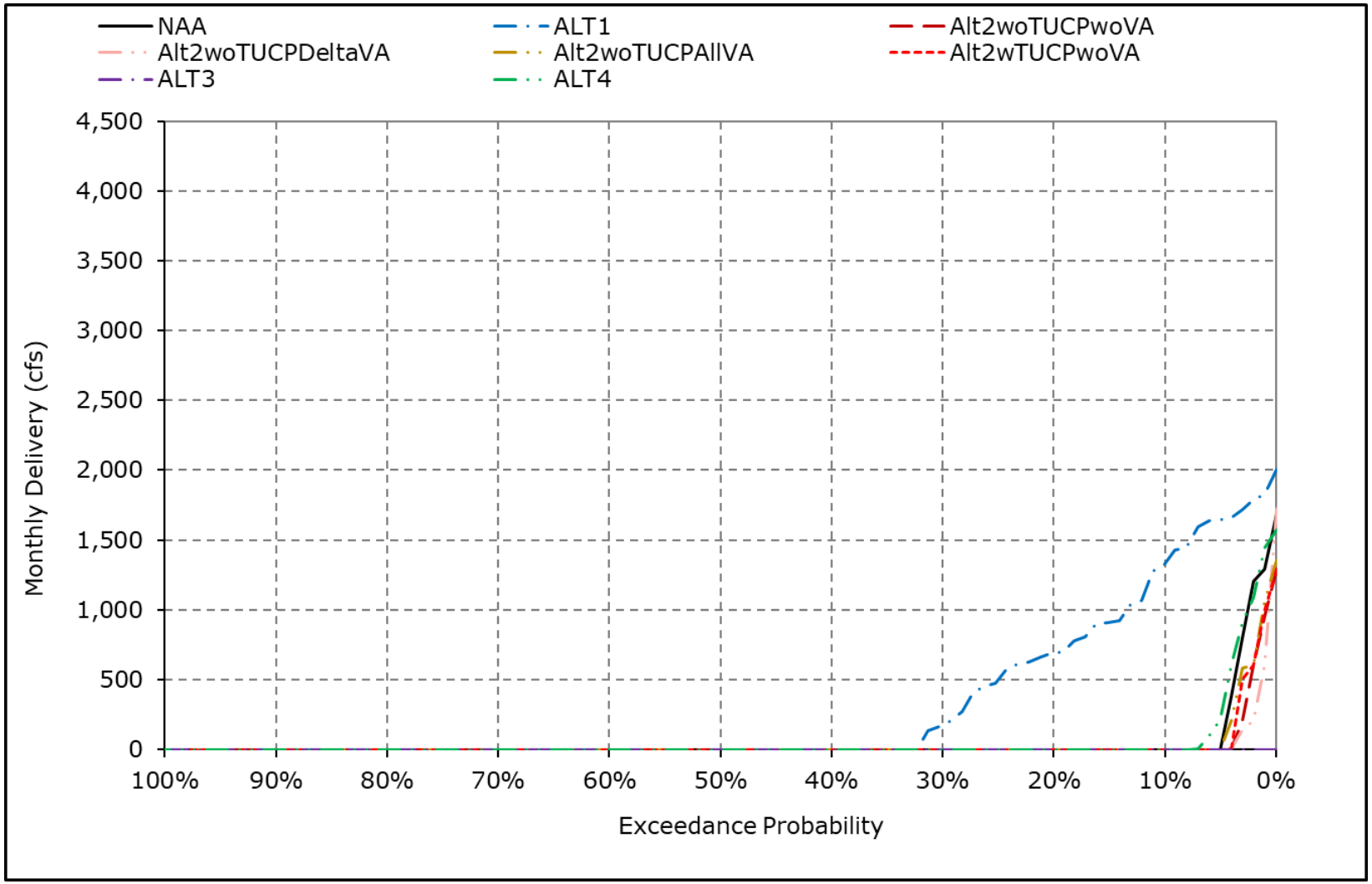
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-10-5. Central Valley Project Banks Pumping Plant Exports, Dry Year Average Delivery



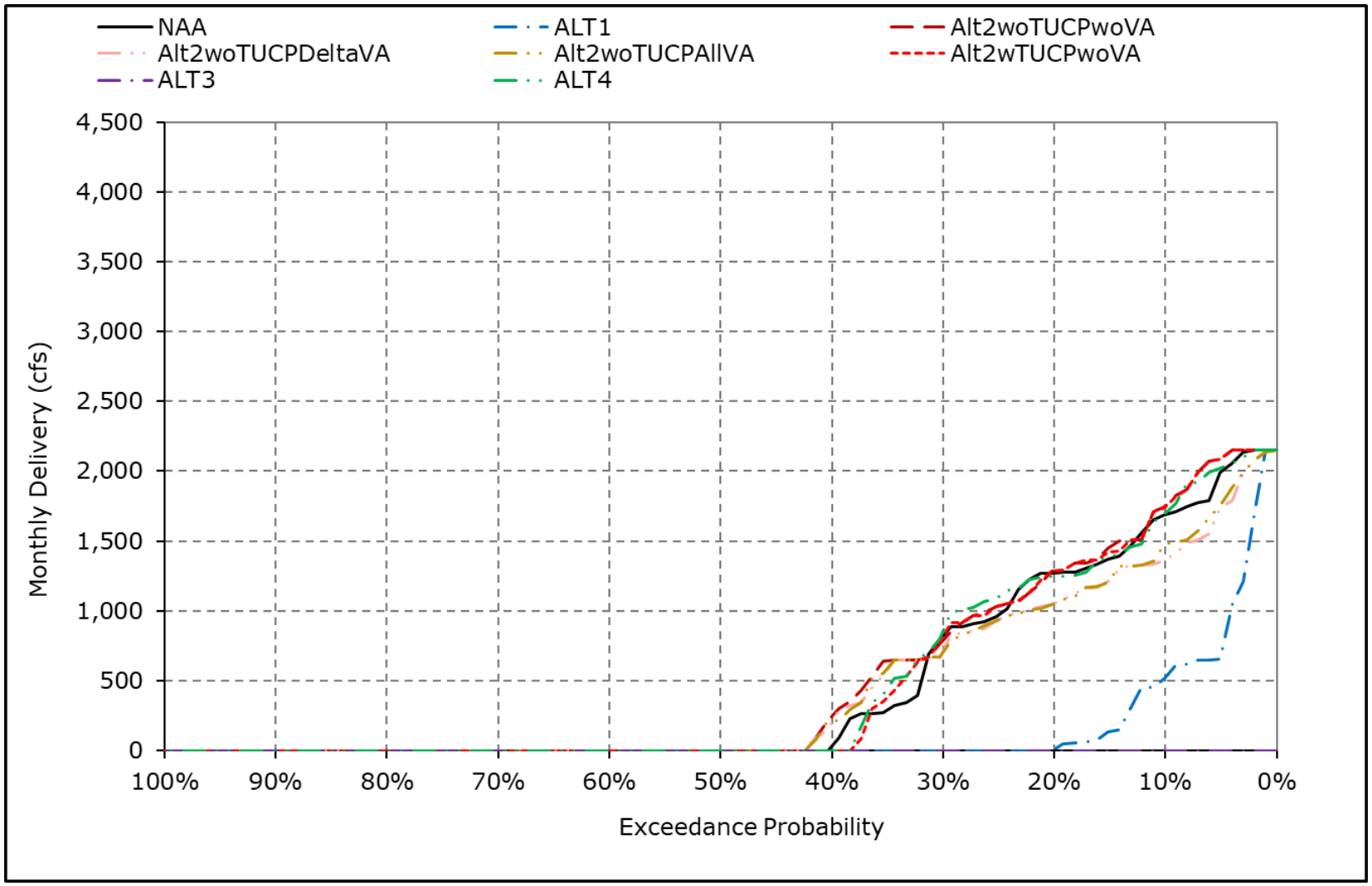
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-10-6. Central Valley Project Banks Pumping Plant Exports, Critical Year Average Delivery



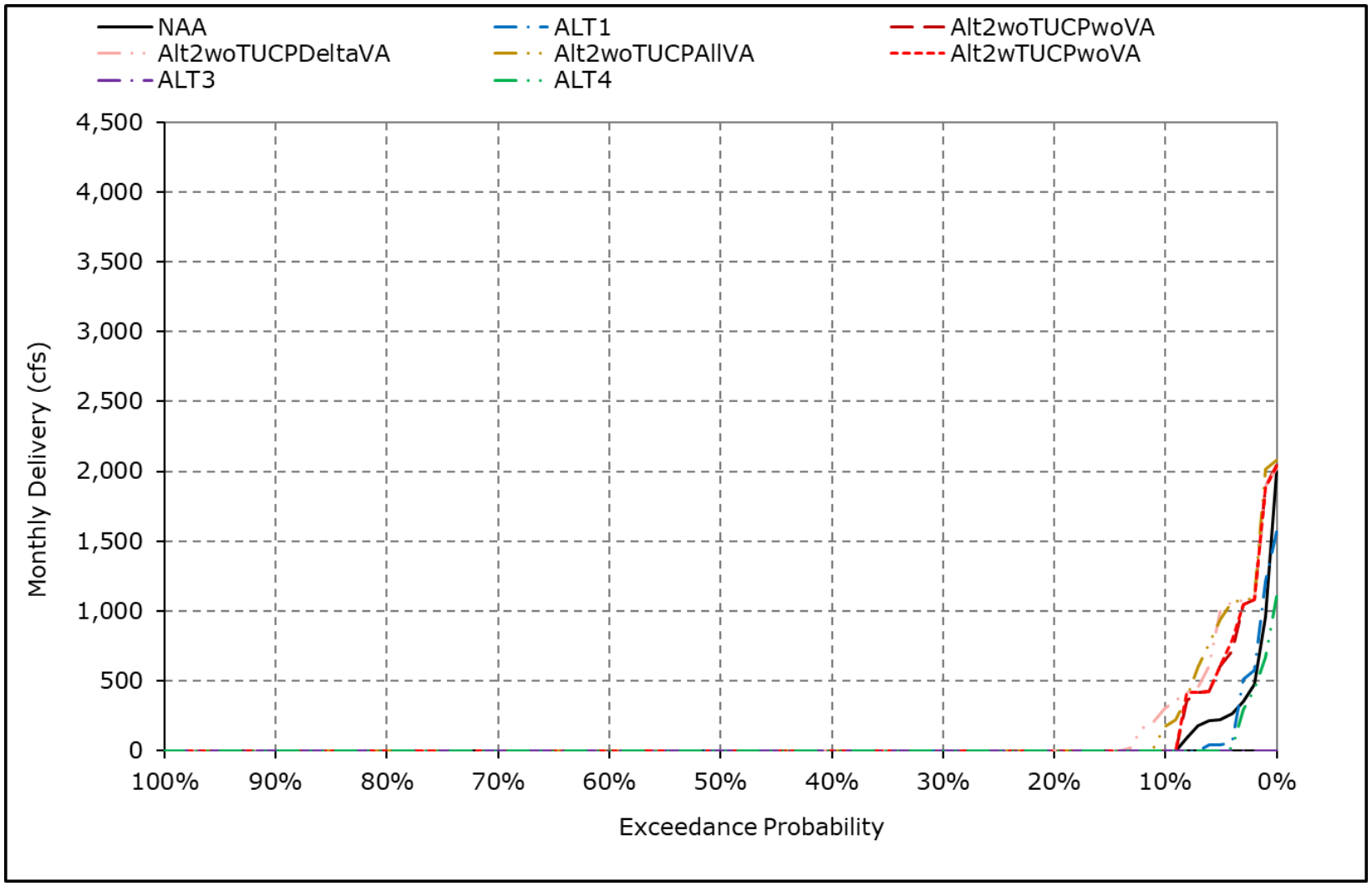
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-10-7. Central Valley Project Banks Pumping Plant Exports, October



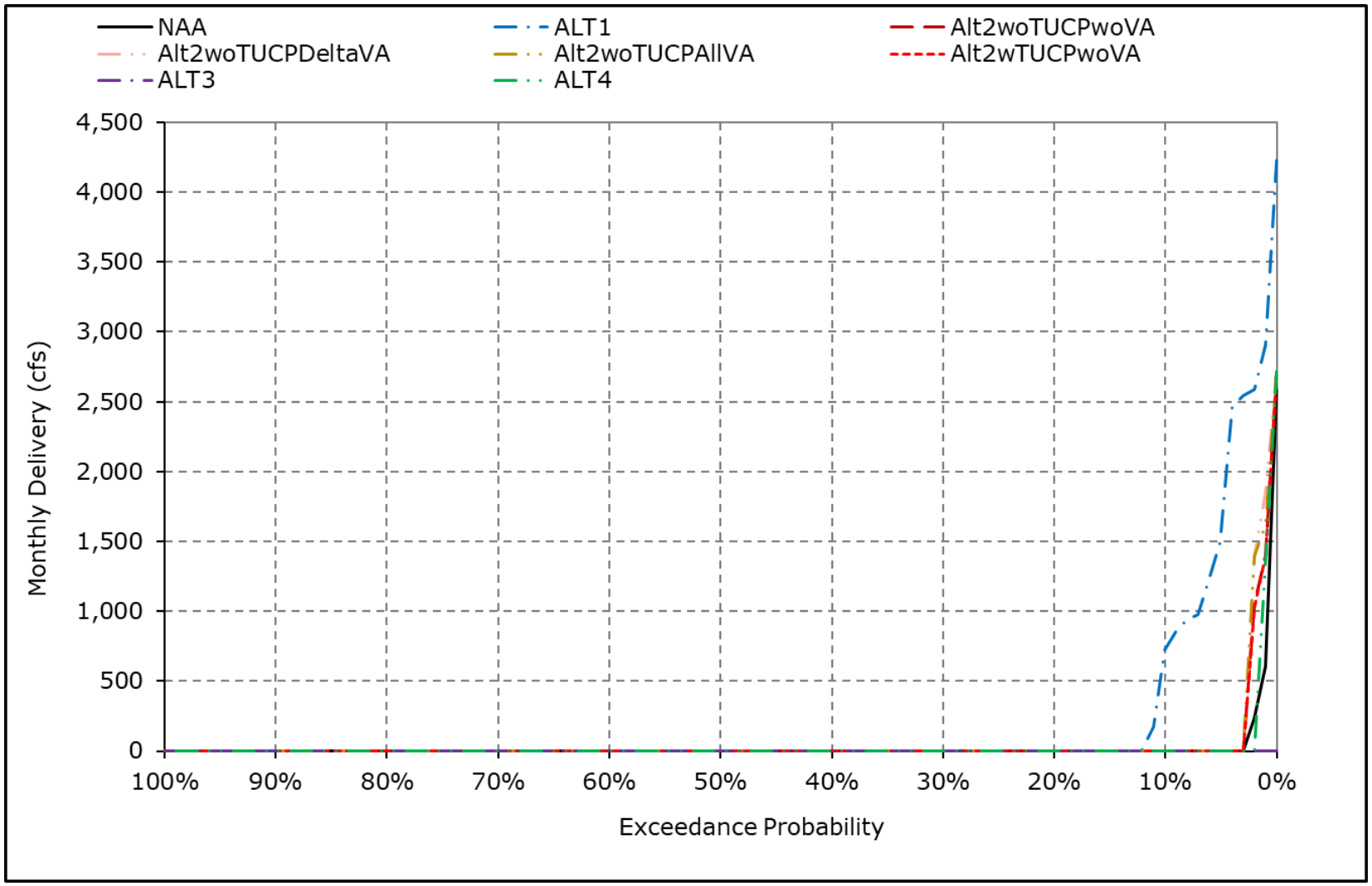
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-10-8. Central Valley Project Banks Pumping Plant Exports, November



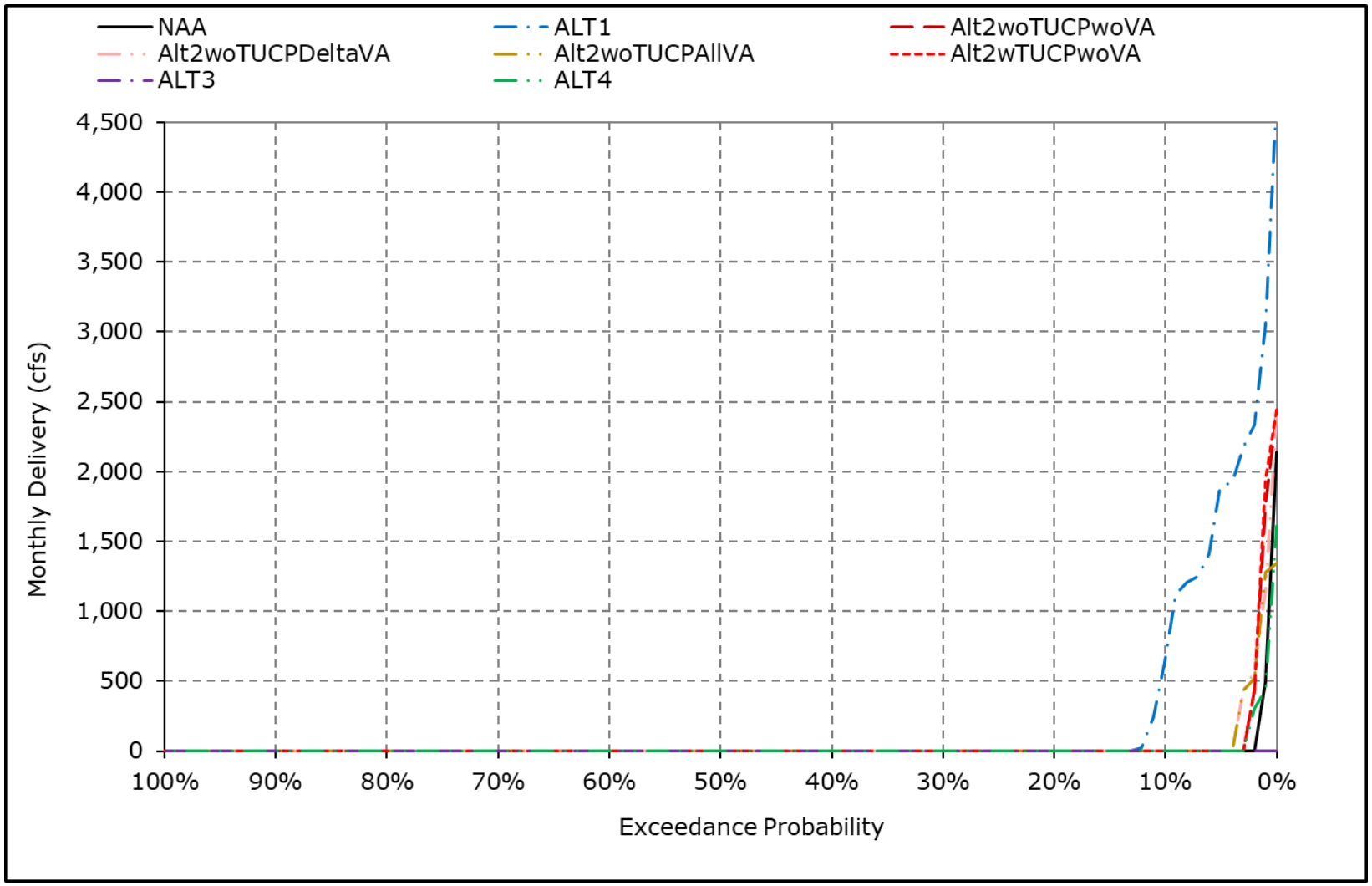
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-10-9. Central Valley Project Banks Pumping Plant Exports, December



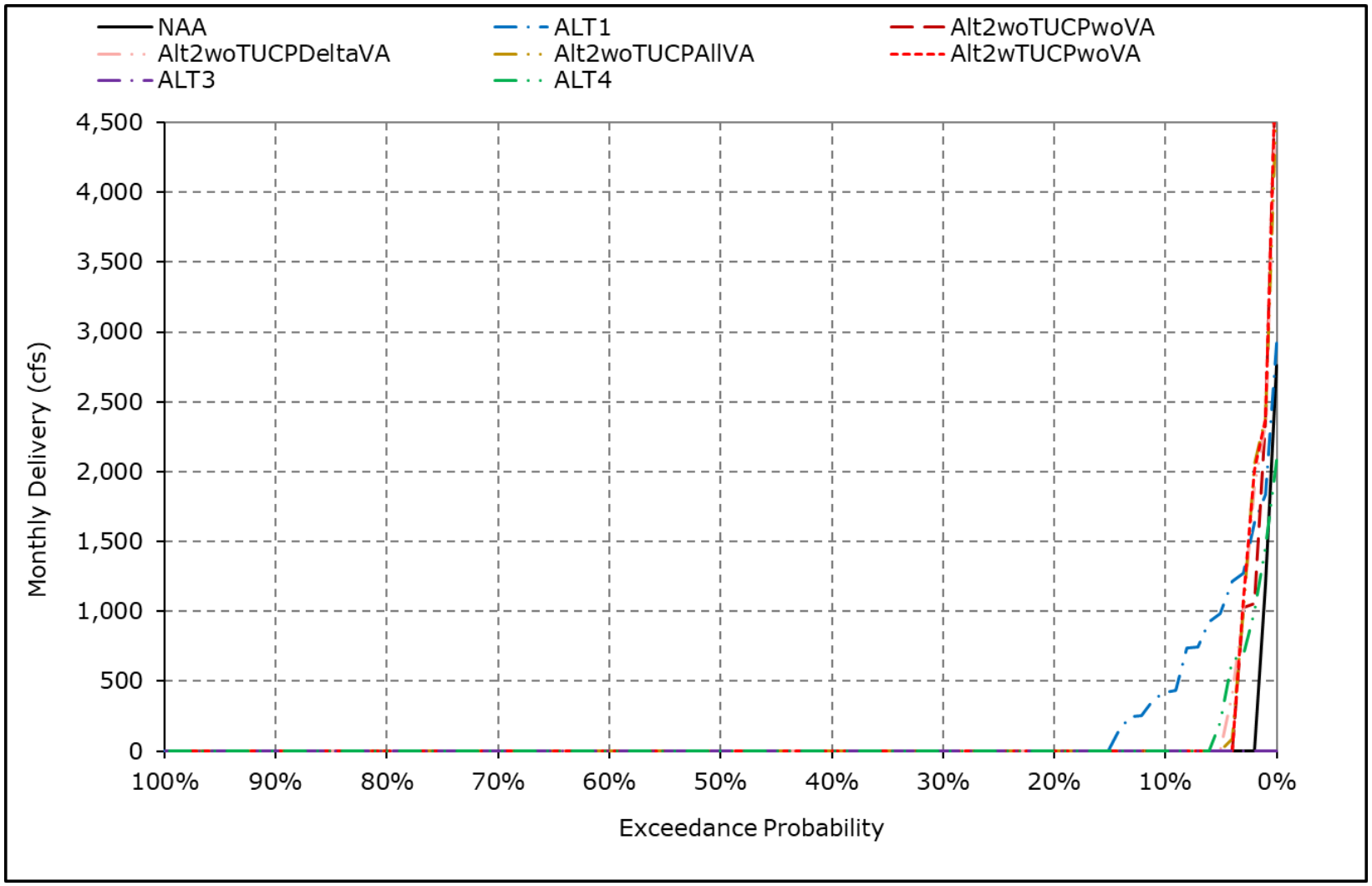
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-10-10. Central Valley Project Banks Pumping Plant Exports, January



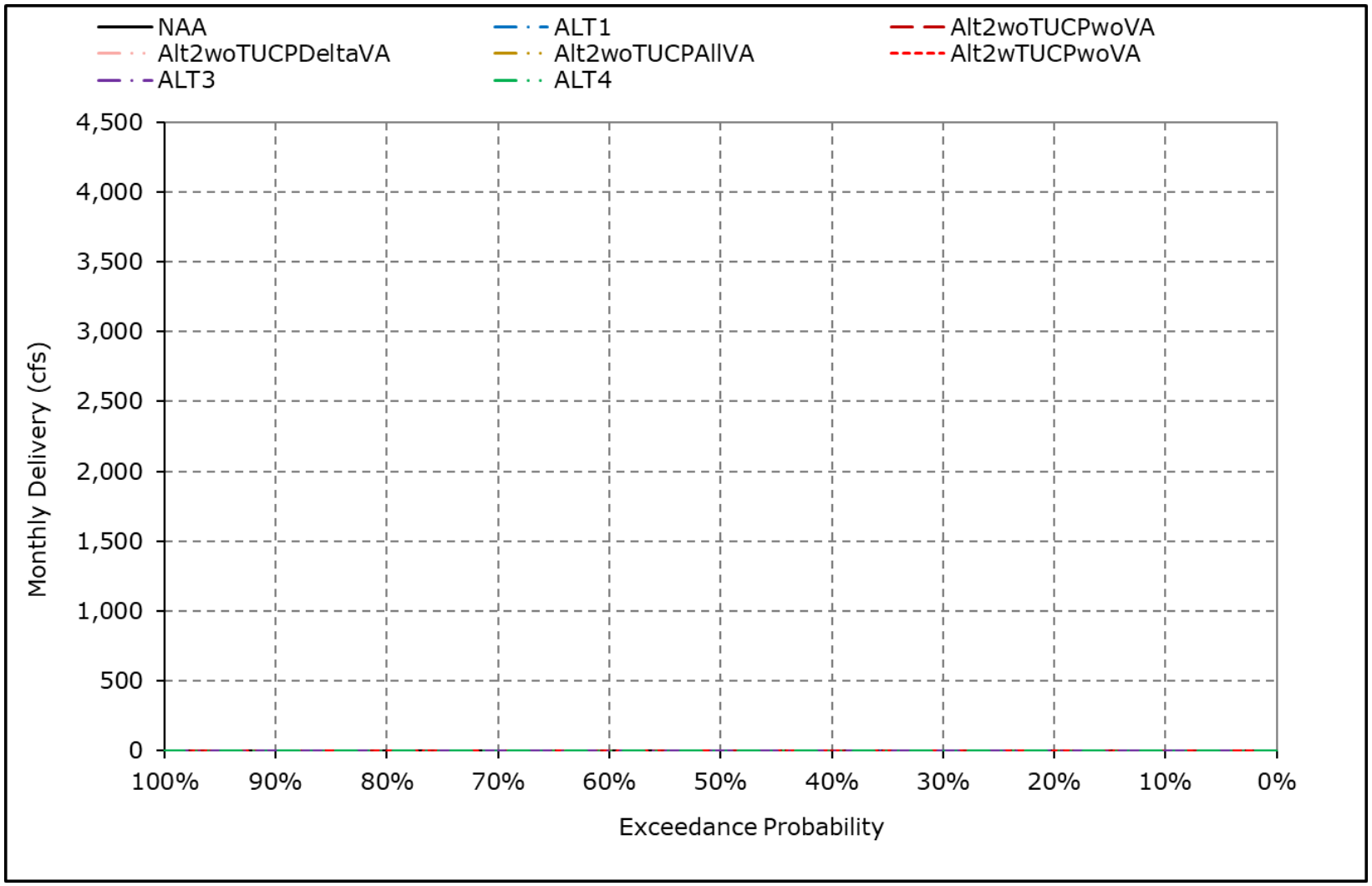
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-10-11. Central Valley Project Banks Pumping Plant Exports, February



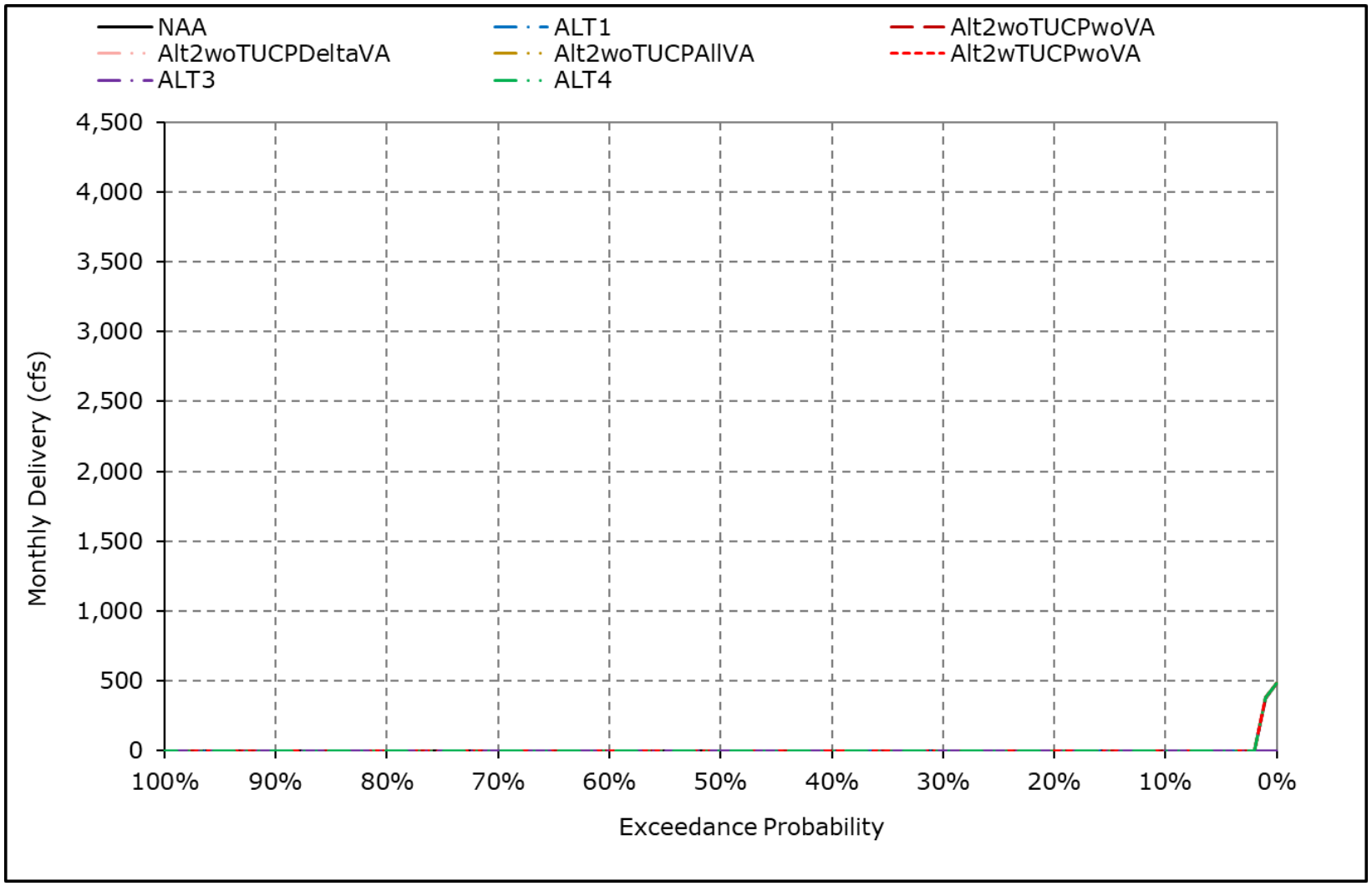
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-10-12. Central Valley Project Banks Pumping Plant Exports, March



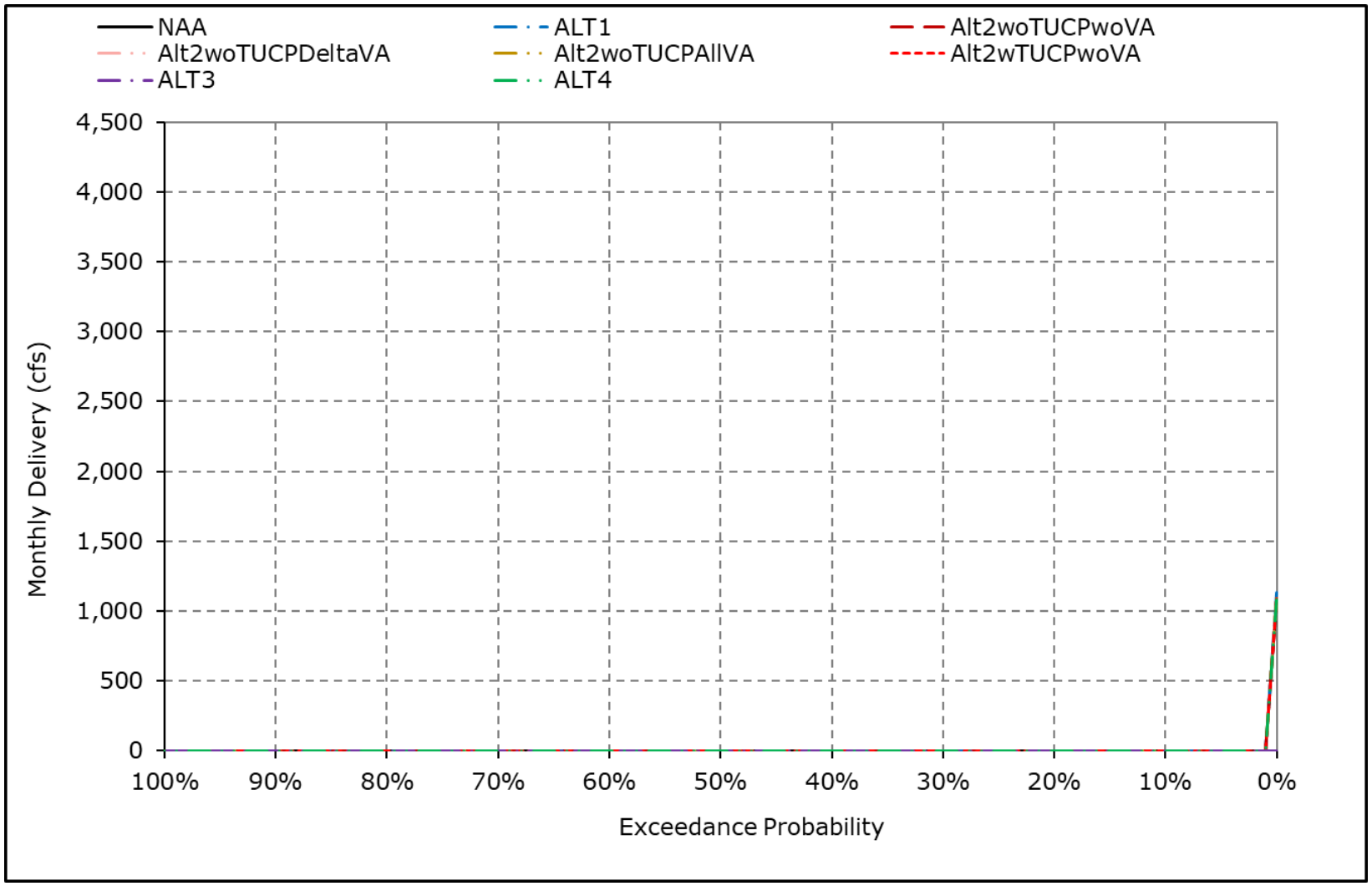
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-10-13. Central Valley Project Banks Pumping Plant Exports, April



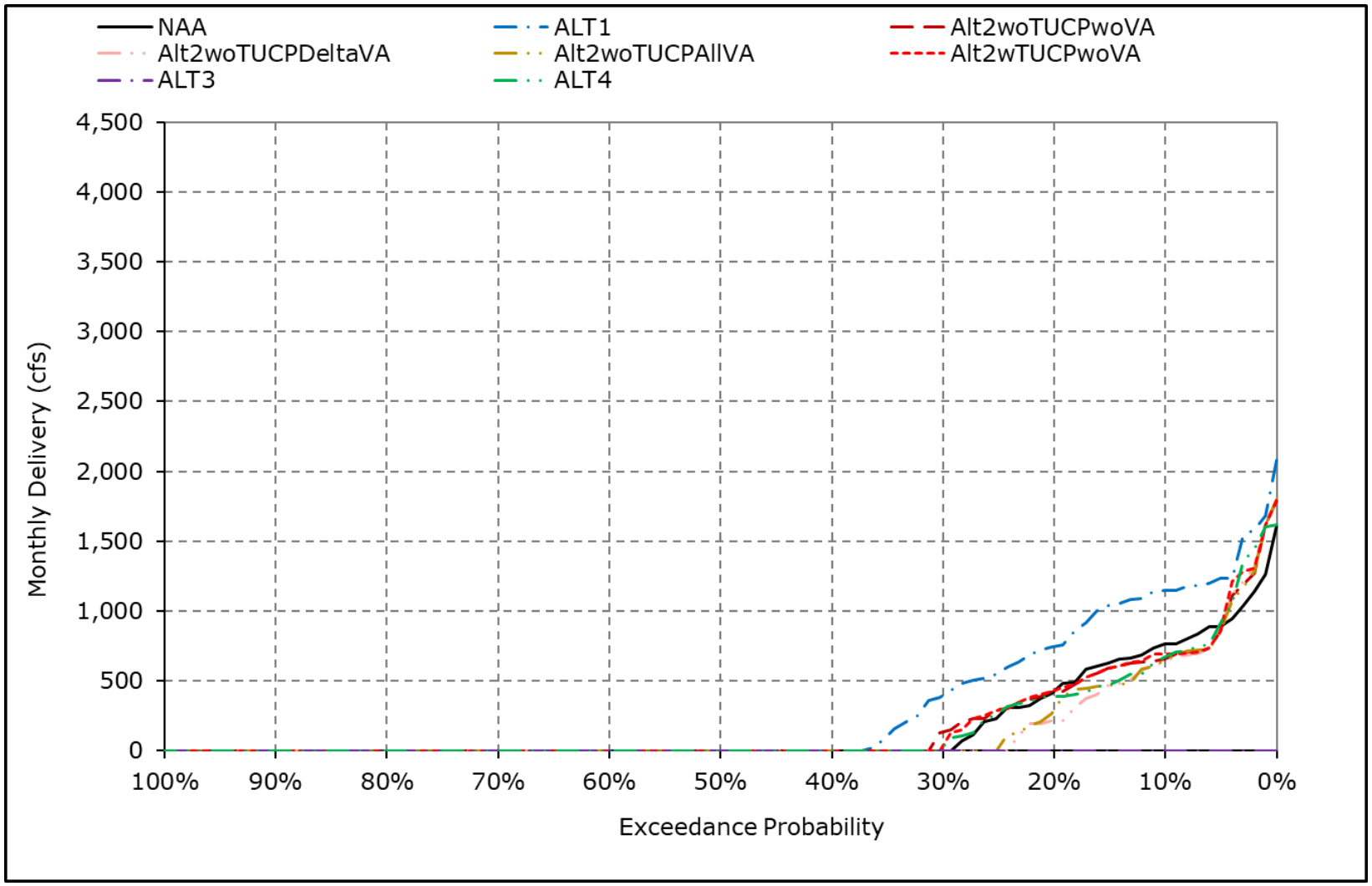
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-10-14. Central Valley Project Banks Pumping Plant Exports, May



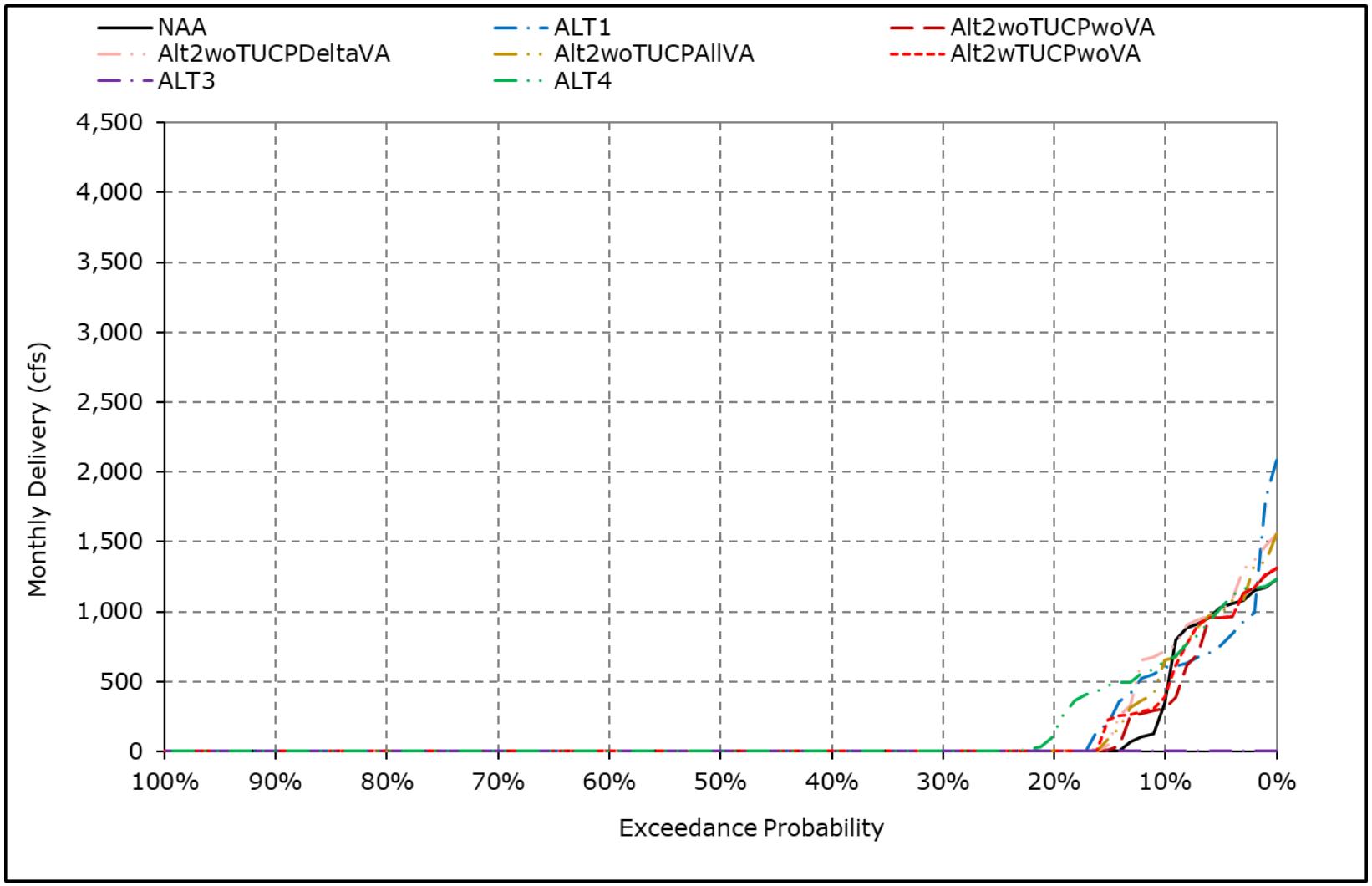
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-10-15. Central Valley Project Banks Pumping Plant Exports, June



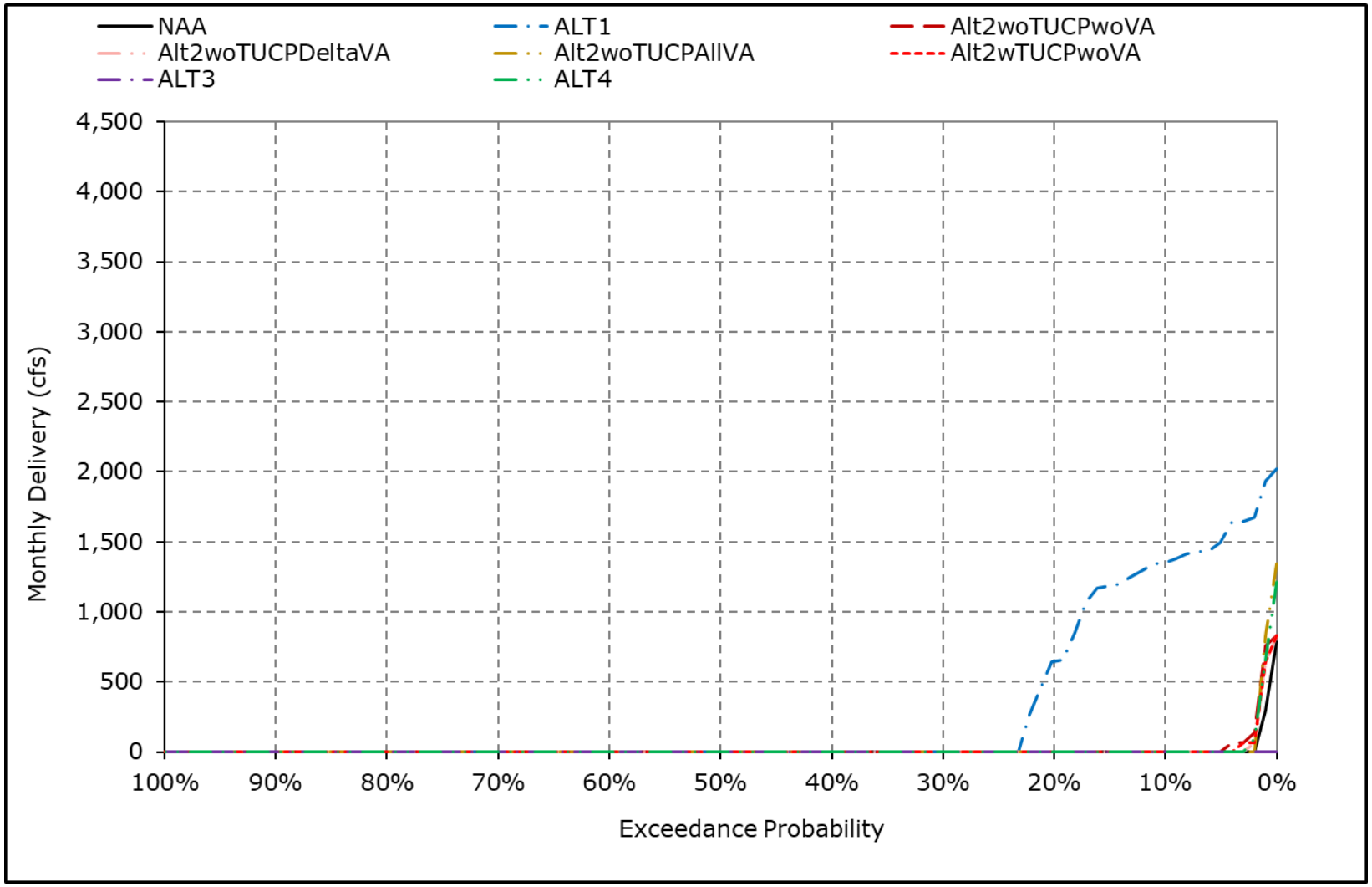
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-10-16. Central Valley Project Banks Pumping Plant Exports, July



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

Figure F.2.3-10-17. Central Valley Project Banks Pumping Plant Exports, August



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

Figure F.2.3-10-18. Central Valley Project Banks Pumping Plant Exports, September

Table F.2.3-11-1a. State Water Project Banks Pumping Plant Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,944	6,680	5,920	6,389	7,581	5,980	5,188	3,340	4,217	7,180	7,180	5,836
20% Exceedance	3,695	6,175	4,966	4,279	5,580	4,349	2,460	1,232	2,876	7,007	6,855	5,177
30% Exceedance	3,199	5,398	4,496	3,629	4,090	3,762	1,104	843	2,394	6,884	6,855	3,215
40% Exceedance	2,886	4,791	3,654	3,036	3,071	3,089	990	733	2,127	6,843	6,418	1,619
50% Exceedance	2,452	3,679	3,214	2,857	2,792	2,577	898	667	2,083	6,688	5,129	1,378
60% Exceedance	1,627	3,126	2,942	2,665	2,618	2,318	835	600	2,041	6,311	2,609	941
70% Exceedance	1,182	2,172	2,766	2,499	2,530	2,163	787	600	1,988	2,525	300	559
80% Exceedance	785	1,203	2,635	2,341	2,344	1,974	603	600	1,706	300	300	300
90% Exceedance	310	729	1,721	2,122	2,011	1,640	600	594	300	300	300	300
Full Simulation Period Average[a]	2,521	3,736	3,718	3,493	3,846	3,193	1,653	1,267	2,283	4,813	3,962	2,261
Wet Water Years (28%)	3,586	5,503	4,427	4,955	6,075	5,059	3,719	2,551	3,286	6,919	6,720	4,146
Above Normal Water Years (14%)	2,963	4,318	3,817	3,443	4,129	3,373	860	984	2,391	6,911	6,714	2,174
Below Normal Water Years (18%)	2,664	3,701	3,570	2,773	3,151	2,878	1,121	976	2,523	6,126	4,532	2,268
Dry Water Years (24%)	1,931	2,992	3,050	3,034	2,660	2,184	791	646	2,085	3,143	1,154	1,316
Critical Water Years (16%)	862	1,087	3,541	2,478	2,259	1,643	624	528	461	318	300	444

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

Table F.2.3-11-1b. State Water Project Banks Pumping Plant Exports, Alternative 1, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,680	6,680	7,524	8,429	8,862	7,520	5,383	5,622	5,092	7,180	7,180	7,180
20% Exceedance	5,496	6,589	7,166	7,952	7,940	7,022	3,652	3,229	4,015	7,180	7,180	7,180
30% Exceedance	4,861	5,671	7,058	7,623	7,478	6,614	2,831	2,440	3,650	7,180	7,180	4,971
40% Exceedance	4,361	4,583	6,967	7,432	7,383	6,501	2,340	2,174	3,368	7,142	6,957	2,983
50% Exceedance	3,042	3,887	6,915	7,294	6,951	5,162	1,925	1,870	3,023	6,840	5,174	2,417
60% Exceedance	2,283	3,110	5,572	7,195	5,640	4,186	1,455	1,505	2,641	5,248	3,185	1,577
70% Exceedance	1,501	2,526	4,444	5,574	4,201	3,562	1,338	1,368	2,035	3,345	300	1,157
80% Exceedance	1,020	1,352	3,512	4,668	2,995	2,623	1,264	1,129	1,569	300	300	866
90% Exceedance	613	924	2,141	3,939	2,148	1,589	956	837	300	300	300	468
Full Simulation Period Average[a]	3,328	3,870	5,583	6,533	5,891	4,893	2,459	2,372	2,938	4,811	4,130	3,257
Wet Water Years (28%)	5,330	5,316	6,120	7,966	7,636	6,329	4,385	4,280	4,253	6,859	6,783	5,946
Above Normal Water Years (14%)	4,331	4,523	6,063	7,275	6,894	6,223	2,647	2,450	3,565	7,109	7,038	4,770
Below Normal Water Years (18%)	2,915	4,034	6,035	6,903	5,465	5,678	2,219	2,037	3,341	6,105	4,805	2,961
Dry Water Years (24%)	2,317	3,266	5,103	5,691	5,242	3,871	1,392	1,414	2,242	3,115	1,387	1,279
Critical Water Years (16%)	702	1,286	4,324	4,224	3,413	1,869	795	777	678	307	300	529

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

Table F.2.3-11-1c. State Water Project Banks Pumping Plant Exports, Alternative 1 minus No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,736	0	1,604	2,040	1,282	1,540	195	2,282	875	0	0	1,344
20% Exceedance	1,801	414	2,200	3,674	2,360	2,672	1,192	1,997	1,139	173	325	2,003
30% Exceedance	1,662	272	2,562	3,994	3,388	2,852	1,727	1,596	1,256	296	325	1,756
40% Exceedance	1,475	-209	3,313	4,396	4,312	3,412	1,350	1,442	1,241	300	539	1,364
50% Exceedance	590	209	3,701	4,438	4,159	2,585	1,026	1,203	940	152	44	1,040
60% Exceedance	657	-15	2,630	4,530	3,022	1,868	620	905	600	-1,064	576	636
70% Exceedance	319	354	1,678	3,075	1,671	1,399	551	768	47	820	0	598
80% Exceedance	235	148	878	2,327	651	649	661	529	-138	0	0	566
90% Exceedance	303	196	420	1,816	137	-52	356	243	0	0	0	168
Full Simulation Period Average[a]	807	134	1,865	3,040	2,045	1,700	806	1,104	654	-2	168	997
Wet Water Years (28%)	1,743	-187	1,692	3,011	1,561	1,270	666	1,728	967	-60	63	1,800
Above Normal Water Years (14%)	1,368	205	2,246	3,832	2,764	2,850	1,788	1,465	1,173	198	324	2,595
Below Normal Water Years (18%)	251	333	2,466	4,130	2,314	2,800	1,098	1,061	817	-21	274	693
Dry Water Years (24%)	387	273	2,053	2,657	2,583	1,687	601	768	157	-29	233	-38
Critical Water Years (16%)	-160	198	783	1,745	1,154	226	171	249	217	-11	0	84

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

Table F.2.3-11-2a. State Water Project Banks Pumping Plant Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,944	6,680	5,920	6,389	7,581	5,980	5,188	3,340	4,217	7,180	7,180	5,836
20% Exceedance	3,695	6,175	4,966	4,279	5,580	4,349	2,460	1,232	2,876	7,007	6,855	5,177
30% Exceedance	3,199	5,398	4,496	3,629	4,090	3,762	1,104	843	2,394	6,884	6,855	3,215
40% Exceedance	2,886	4,791	3,654	3,036	3,071	3,089	990	733	2,127	6,843	6,418	1,619
50% Exceedance	2,452	3,679	3,214	2,857	2,792	2,577	898	667	2,083	6,688	5,129	1,378
60% Exceedance	1,627	3,126	2,942	2,665	2,618	2,318	835	600	2,041	6,311	2,609	941
70% Exceedance	1,182	2,172	2,766	2,499	2,530	2,163	787	600	1,988	2,525	300	559
80% Exceedance	785	1,203	2,635	2,341	2,344	1,974	603	600	1,706	300	300	300
90% Exceedance	310	729	1,721	2,122	2,011	1,640	600	594	300	300	300	300
Full Simulation Period Average[a]	2,521	3,736	3,718	3,493	3,846	3,193	1,653	1,267	2,283	4,813	3,962	2,261
Wet Water Years (28%)	3,586	5,503	4,427	4,955	6,075	5,059	3,719	2,551	3,286	6,919	6,720	4,146
Above Normal Water Years (14%)	2,963	4,318	3,817	3,443	4,129	3,373	860	984	2,391	6,911	6,714	2,174
Below Normal Water Years (18%)	2,664	3,701	3,570	2,773	3,151	2,878	1,121	976	2,523	6,126	4,532	2,268
Dry Water Years (24%)	1,931	2,992	3,050	3,034	2,660	2,184	791	646	2,085	3,143	1,154	1,316
Critical Water Years (16%)	862	1,087	3,541	2,478	2,259	1,643	624	528	461	318	300	444

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

Table F.2.3-11-2b. State Water Project Banks Pumping Plant Exports, Alt2woTUCPwoVA, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,760	6,680	5,793	5,367	7,664	6,302	5,296	6,106	4,426	7,180	7,180	6,899
20% Exceedance	3,694	6,184	4,929	3,899	5,459	4,650	3,150	3,198	2,974	7,180	7,180	4,574
30% Exceedance	3,207	5,352	4,232	3,073	3,796	3,466	2,715	2,358	2,466	7,107	7,180	3,149
40% Exceedance	2,857	4,721	3,582	2,859	2,932	2,845	2,120	1,975	2,178	6,891	6,203	1,696
50% Exceedance	2,355	3,554	3,114	2,777	2,625	2,433	1,691	1,675	1,966	6,759	5,532	1,383
60% Exceedance	1,517	3,148	2,905	2,543	2,483	2,212	1,329	1,326	1,850	5,993	2,311	1,127
70% Exceedance	970	2,164	2,744	2,333	2,368	2,097	1,192	1,173	1,793	3,199	300	798
80% Exceedance	543	1,110	2,593	2,188	2,210	1,943	1,098	990	1,577	300	300	374
90% Exceedance	300	300	1,630	2,031	2,007	1,422	850	462	300	300	300	318
Full Simulation Period Average[a]	2,428	3,688	3,670	3,275	3,776	3,157	2,300	2,260	2,252	4,819	4,009	2,398
Wet Water Years (28%)	3,578	5,473	4,370	4,826	6,165	5,383	4,336	4,291	3,426	6,931	6,847	4,237
Above Normal Water Years (14%)	2,797	4,321	3,816	3,339	4,129	3,194	2,377	2,204	2,259	7,057	6,827	2,674
Below Normal Water Years (18%)	2,595	3,641	3,524	2,699	3,044	2,716	1,916	1,940	2,385	6,320	4,497	2,446
Dry Water Years (24%)	1,891	3,013	3,099	2,657	2,521	2,085	1,243	1,215	1,956	2,936	1,161	1,303
Critical Water Years (16%)	572	861	3,303	2,079	1,996	1,330	690	683	486	300	300	526

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

Table F.2.3-11-2c. State Water Project Banks Pumping Plant Exports, Alt2woTUCPwoVA minus No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-184	0	-128	-1,022	83	322	108	2,766	209	0	0	1,063
20% Exceedance	-1	10	-37	-380	-121	301	690	1,966	99	173	325	-602
30% Exceedance	8	-46	-264	-556	-294	-296	1,611	1,514	72	223	325	-66
40% Exceedance	-29	-70	-72	-177	-139	-244	1,130	1,242	51	49	-215	77
50% Exceedance	-97	-124	-100	-80	-168	-144	793	1,008	-117	71	403	5
60% Exceedance	-109	23	-37	-122	-135	-106	494	726	-192	-318	-298	185
70% Exceedance	-211	-8	-22	-166	-162	-66	405	573	-196	674	0	239
80% Exceedance	-242	-93	-41	-153	-135	-31	495	390	-130	0	0	74
90% Exceedance	-10	-429	-91	-91	-3	-219	250	-131	0	0	0	18
Full Simulation Period Average[a]	-93	-48	-48	-219	-70	-37	647	993	-31	6	47	137
Wet Water Years (28%)	-9	-30	-57	-129	89	324	617	1,739	140	12	127	91
Above Normal Water Years (14%)	-166	3	-1	-104	0	-178	1,517	1,220	-132	145	113	499
Below Normal Water Years (18%)	-68	-61	-46	-74	-107	-161	795	963	-138	194	-35	178
Dry Water Years (24%)	-40	20	49	-377	-139	-98	452	569	-129	-207	7	-14
Critical Water Years (16%)	-289	-226	-239	-400	-263	-313	66	154	25	-18	0	81

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

Table F.2.3-11-3a. State Water Project Banks Pumping Plant Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,944	6,680	5,920	6,389	7,581	5,980	5,188	3,340	4,217	7,180	7,180	5,836
20% Exceedance	3,695	6,175	4,966	4,279	5,580	4,349	2,460	1,232	2,876	7,007	6,855	5,177
30% Exceedance	3,199	5,398	4,496	3,629	4,090	3,762	1,104	843	2,394	6,884	6,855	3,215
40% Exceedance	2,886	4,791	3,654	3,036	3,071	3,089	990	733	2,127	6,843	6,418	1,619
50% Exceedance	2,452	3,679	3,214	2,857	2,792	2,577	898	667	2,083	6,688	5,129	1,378
60% Exceedance	1,627	3,126	2,942	2,665	2,618	2,318	835	600	2,041	6,311	2,609	941
70% Exceedance	1,182	2,172	2,766	2,499	2,530	2,163	787	600	1,988	2,525	300	559
80% Exceedance	785	1,203	2,635	2,341	2,344	1,974	603	600	1,706	300	300	300
90% Exceedance	310	729	1,721	2,122	2,011	1,640	600	594	300	300	300	300
Full Simulation Period Average[a]	2,521	3,736	3,718	3,493	3,846	3,193	1,653	1,267	2,283	4,813	3,962	2,261
Wet Water Years (28%)	3,586	5,503	4,427	4,955	6,075	5,059	3,719	2,551	3,286	6,919	6,720	4,146
Above Normal Water Years (14%)	2,963	4,318	3,817	3,443	4,129	3,373	860	984	2,391	6,911	6,714	2,174
Below Normal Water Years (18%)	2,664	3,701	3,570	2,773	3,151	2,878	1,121	976	2,523	6,126	4,532	2,268
Dry Water Years (24%)	1,931	2,992	3,050	3,034	2,660	2,184	791	646	2,085	3,143	1,154	1,316
Critical Water Years (16%)	862	1,087	3,541	2,478	2,259	1,643	624	528	461	318	300	444

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

Table F.2.3-11-3b. State Water Project Banks Pumping Plant Exports, Alt2woTUCPDeltaVA, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	5,184	6,680	5,744	5,366	7,886	6,320	4,895	6,148	4,429	7,180	7,180	6,926
20% Exceedance	3,705	6,131	4,863	4,000	5,332	4,341	2,794	3,067	2,975	7,180	7,180	4,768
30% Exceedance	3,321	5,608	4,101	3,144	3,796	3,205	2,004	2,351	2,421	7,180	7,180	3,010
40% Exceedance	2,861	5,135	3,521	2,863	2,933	2,498	1,440	1,926	2,177	6,968	6,171	1,856
50% Exceedance	2,423	4,257	3,134	2,795	2,623	2,203	1,083	1,477	1,950	6,811	5,394	1,496
60% Exceedance	1,565	3,338	2,886	2,553	2,484	2,049	817	1,248	1,850	6,185	3,436	1,178
70% Exceedance	1,077	2,352	2,730	2,339	2,364	1,455	600	1,108	1,800	3,440	1,543	845
80% Exceedance	462	1,134	2,576	2,188	2,196	1,252	600	755	1,473	1,422	1,041	564
90% Exceedance	300	300	1,497	2,031	1,999	952	600	587	300	872	321	369
Full Simulation Period Average[a]	2,466	3,830	3,648	3,274	3,794	2,846	1,831	2,188	2,238	5,077	4,332	2,475
Wet Water Years (28%)	3,572	5,808	4,285	4,791	6,197	5,213	3,978	4,304	3,431	6,955	6,846	4,380
Above Normal Water Years (14%)	2,754	4,643	3,793	3,339	4,087	2,729	1,275	1,929	2,207	7,041	6,874	3,029
Below Normal Water Years (18%)	2,831	3,800	3,546	2,697	3,034	2,092	1,297	1,944	2,481	6,361	5,166	2,374
Dry Water Years (24%)	1,897	2,948	3,070	2,734	2,511	1,721	830	1,055	1,820	3,518	1,778	1,267
Critical Water Years (16%)	590	771	3,365	2,020	2,109	1,341	665	683	532	963	604	587

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

Table F.2.3-11-3c. State Water Project Banks Pumping Plant Exports, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	240	0	-177	-1,023	305	340	-293	2,808	212	0	0	1,091
20% Exceedance	10	-43	-103	-279	-248	-9	335	1,835	100	173	325	-409
30% Exceedance	122	209	-395	-485	-294	-557	900	1,508	27	296	325	-205
40% Exceedance	-25	344	-133	-173	-138	-591	451	1,193	50	125	-247	237
50% Exceedance	-30	578	-79	-61	-169	-375	185	810	-133	124	265	118
60% Exceedance	-62	212	-57	-112	-134	-269	-18	648	-191	-127	827	236
70% Exceedance	-105	180	-36	-160	-165	-708	-187	508	-188	915	1,243	286
80% Exceedance	-323	-69	-59	-153	-148	-721	-3	155	-233	1,122	741	264
90% Exceedance	-10	-429	-224	-91	-12	-688	0	-7	0	572	21	69
Full Simulation Period Average[a]	-54	94	-69	-219	-52	-347	178	920	-45	264	370	215
Wet Water Years (28%)	-15	305	-143	-164	122	154	259	1,753	145	36	126	233
Above Normal Water Years (14%)	-209	325	-24	-104	-42	-644	415	944	-184	129	160	854
Below Normal Water Years (18%)	168	99	-24	-76	-117	-786	176	968	-42	235	634	106
Dry Water Years (24%)	-34	-44	20	-300	-149	-462	39	409	-265	375	624	-50
Critical Water Years (16%)	-271	-316	-176	-458	-150	-301	40	155	70	645	304	142

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

Table F.2.3-11-4a. State Water Project Banks Pumping Plant Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,944	6,680	5,920	6,389	7,581	5,980	5,188	3,340	4,217	7,180	7,180	5,836
20% Exceedance	3,695	6,175	4,966	4,279	5,580	4,349	2,460	1,232	2,876	7,007	6,855	5,177
30% Exceedance	3,199	5,398	4,496	3,629	4,090	3,762	1,104	843	2,394	6,884	6,855	3,215
40% Exceedance	2,886	4,791	3,654	3,036	3,071	3,089	990	733	2,127	6,843	6,418	1,619
50% Exceedance	2,452	3,679	3,214	2,857	2,792	2,577	898	667	2,083	6,688	5,129	1,378
60% Exceedance	1,627	3,126	2,942	2,665	2,618	2,318	835	600	2,041	6,311	2,609	941
70% Exceedance	1,182	2,172	2,766	2,499	2,530	2,163	787	600	1,988	2,525	300	559
80% Exceedance	785	1,203	2,635	2,341	2,344	1,974	603	600	1,706	300	300	300
90% Exceedance	310	729	1,721	2,122	2,011	1,640	600	594	300	300	300	300
Full Simulation Period Average[a]	2,521	3,736	3,718	3,493	3,846	3,193	1,653	1,267	2,283	4,813	3,962	2,261
Wet Water Years (28%)	3,586	5,503	4,427	4,955	6,075	5,059	3,719	2,551	3,286	6,919	6,720	4,146
Above Normal Water Years (14%)	2,963	4,318	3,817	3,443	4,129	3,373	860	984	2,391	6,911	6,714	2,174
Below Normal Water Years (18%)	2,664	3,701	3,570	2,773	3,151	2,878	1,121	976	2,523	6,126	4,532	2,268
Dry Water Years (24%)	1,931	2,992	3,050	3,034	2,660	2,184	791	646	2,085	3,143	1,154	1,316
Critical Water Years (16%)	862	1,087	3,541	2,478	2,259	1,643	624	528	461	318	300	444

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

Table F.2.3-11-4b. State Water Project Banks Pumping Plant Exports, Alt2woTUCPAllVA, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	5,269	6,680	5,466	5,366	7,895	5,684	4,895	6,148	4,427	7,180	7,180	6,912
20% Exceedance	3,793	6,167	4,843	3,998	5,328	4,338	2,753	3,151	2,977	7,180	7,180	4,732
30% Exceedance	3,364	5,607	4,066	3,102	3,797	3,082	2,004	2,347	2,376	7,180	7,180	2,888
40% Exceedance	2,953	5,170	3,520	2,856	2,946	2,537	1,411	1,930	2,177	6,942	6,249	1,836
50% Exceedance	2,394	4,326	3,098	2,784	2,609	2,205	1,082	1,498	1,956	6,778	5,434	1,477
60% Exceedance	1,692	3,336	2,909	2,546	2,491	1,913	838	1,207	1,835	6,207	3,352	1,171
70% Exceedance	976	2,298	2,731	2,336	2,365	1,455	600	1,051	1,773	2,727	1,566	811
80% Exceedance	499	1,152	2,571	2,188	2,196	1,254	600	700	1,469	1,370	1,106	559
90% Exceedance	317	300	1,595	2,041	1,997	971	600	536	300	871	335	369
Full Simulation Period Average[a]	2,517	3,838	3,614	3,272	3,770	2,838	1,826	2,164	2,228	5,028	4,341	2,451
Wet Water Years (28%)	3,677	5,793	4,268	4,800	6,190	5,205	3,980	4,303	3,432	6,942	6,848	4,286
Above Normal Water Years (14%)	2,866	4,643	3,775	3,343	4,091	2,773	1,277	1,900	2,192	7,028	6,855	2,911
Below Normal Water Years (18%)	2,798	3,797	3,517	2,699	3,032	2,042	1,233	1,878	2,432	6,259	5,173	2,450
Dry Water Years (24%)	1,940	2,996	3,125	2,713	2,511	1,723	833	1,025	1,827	3,430	1,760	1,292
Critical Water Years (16%)	589	780	3,131	2,019	1,971	1,319	695	684	525	939	687	578

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

Table F.2.3-11-4c. State Water Project Banks Pumping Plant Exports, Alt2woTUCPAllVA minus No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	325	0	-455	-1,023	314	-295	-292	2,807	210	0	0	1,076
20% Exceedance	98	-7	-123	-281	-252	-11	293	1,919	102	173	325	-445
30% Exceedance	165	209	-430	-527	-294	-681	899	1,504	-18	296	325	-327
40% Exceedance	68	379	-134	-180	-125	-552	421	1,197	50	100	-169	218
50% Exceedance	-58	647	-116	-73	-184	-372	184	830	-127	90	305	100
60% Exceedance	65	210	-33	-119	-127	-404	3	607	-207	-104	743	229
70% Exceedance	-205	126	-35	-163	-165	-708	-187	451	-216	202	1,266	252
80% Exceedance	-286	-51	-64	-153	-148	-719	-3	100	-237	1,070	806	259
90% Exceedance	7	-429	-126	-81	-14	-669	0	-58	0	571	35	69
Full Simulation Period Average[a]	-4	102	-104	-221	-76	-356	173	897	-55	215	379	190
Wet Water Years (28%)	91	290	-159	-155	115	146	261	1,751	146	24	129	140
Above Normal Water Years (14%)	-97	325	-41	-100	-39	-599	417	916	-199	117	141	736
Below Normal Water Years (18%)	134	96	-53	-74	-119	-835	112	902	-91	132	641	182
Dry Water Years (24%)	9	3	76	-321	-149	-461	42	379	-258	286	607	-24
Critical Water Years (16%)	-273	-307	-410	-459	-287	-324	71	155	64	621	387	134

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

Table F.2.3-11-5a. State Water Project Banks Pumping Plant Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,944	6,680	5,920	6,389	7,581	5,980	5,188	3,340	4,217	7,180	7,180	5,836
20% Exceedance	3,695	6,175	4,966	4,279	5,580	4,349	2,460	1,232	2,876	7,007	6,855	5,177
30% Exceedance	3,199	5,398	4,496	3,629	4,090	3,762	1,104	843	2,394	6,884	6,855	3,215
40% Exceedance	2,886	4,791	3,654	3,036	3,071	3,089	990	733	2,127	6,843	6,418	1,619
50% Exceedance	2,452	3,679	3,214	2,857	2,792	2,577	898	667	2,083	6,688	5,129	1,378
60% Exceedance	1,627	3,126	2,942	2,665	2,618	2,318	835	600	2,041	6,311	2,609	941
70% Exceedance	1,182	2,172	2,766	2,499	2,530	2,163	787	600	1,988	2,525	300	559
80% Exceedance	785	1,203	2,635	2,341	2,344	1,974	603	600	1,706	300	300	300
90% Exceedance	310	729	1,721	2,122	2,011	1,640	600	594	300	300	300	300
Full Simulation Period Average[a]	2,521	3,736	3,718	3,493	3,846	3,193	1,653	1,267	2,283	4,813	3,962	2,261
Wet Water Years (28%)	3,586	5,503	4,427	4,955	6,075	5,059	3,719	2,551	3,286	6,919	6,720	4,146
Above Normal Water Years (14%)	2,963	4,318	3,817	3,443	4,129	3,373	860	984	2,391	6,911	6,714	2,174
Below Normal Water Years (18%)	2,664	3,701	3,570	2,773	3,151	2,878	1,121	976	2,523	6,126	4,532	2,268
Dry Water Years (24%)	1,931	2,992	3,050	3,034	2,660	2,184	791	646	2,085	3,143	1,154	1,316
Critical Water Years (16%)	862	1,087	3,541	2,478	2,259	1,643	624	528	461	318	300	444

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

Table F.2.3-11-5b. State Water Project Banks Pumping Plant Exports, Alt2wTUCPwoVA, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,833	6,680	5,521	6,060	7,641	6,298	5,296	6,142	4,426	7,180	7,180	6,900
20% Exceedance	3,695	6,184	4,871	4,012	5,522	4,842	3,150	3,198	2,979	7,180	7,180	4,548
30% Exceedance	3,209	5,354	4,099	3,148	4,113	3,611	2,758	2,358	2,466	7,142	7,180	3,150
40% Exceedance	2,856	4,721	3,669	2,900	3,139	2,990	2,155	2,000	2,178	6,916	6,123	1,751
50% Exceedance	2,358	3,679	3,135	2,814	2,643	2,479	1,717	1,675	1,966	6,759	5,647	1,391
60% Exceedance	1,608	3,147	2,918	2,541	2,504	2,245	1,335	1,326	1,850	6,332	3,001	1,108
70% Exceedance	1,079	2,166	2,760	2,332	2,415	2,130	1,192	1,184	1,793	3,521	300	804
80% Exceedance	575	1,117	2,619	2,188	2,274	1,971	1,098	990	1,462	300	300	427
90% Exceedance	300	479	1,782	2,042	2,008	1,614	885	559	300	300	300	313
Full Simulation Period Average[a]	2,455	3,719	3,681	3,329	3,837	3,226	2,326	2,264	2,245	4,867	4,071	2,410
Wet Water Years (28%)	3,582	5,474	4,372	4,830	6,165	5,368	4,341	4,300	3,427	6,928	6,844	4,246
Above Normal Water Years (14%)	2,801	4,322	3,820	3,343	4,174	3,218	2,384	2,205	2,252	7,054	6,847	2,679
Below Normal Water Years (18%)	2,612	3,673	3,547	2,700	3,098	2,852	1,987	1,915	2,386	6,485	4,789	2,540
Dry Water Years (24%)	1,886	3,019	3,136	2,682	2,523	2,086	1,243	1,210	1,949	3,015	1,194	1,304
Critical Water Years (16%)	728	1,016	3,287	2,367	2,270	1,614	754	725	456	303	300	477

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

Table F.2.3-11-5c. State Water Project Banks Pumping Plant Exports, Alt2wTUCPwoVA minus No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-111	0	-399	-329	60	318	108	2,802	209	0	0	1,064
20% Exceedance	-1	10	-95	-267	-58	493	690	1,966	103	173	325	-629
30% Exceedance	10	-44	-397	-481	23	-151	1,654	1,515	72	258	325	-65
40% Exceedance	-30	-70	15	-136	69	-98	1,165	1,267	51	73	-295	132
50% Exceedance	-94	0	-79	-43	-149	-99	819	1,008	-117	71	518	14
60% Exceedance	-19	21	-25	-124	-114	-73	500	726	-192	20	392	166
70% Exceedance	-102	-6	-6	-167	-114	-33	405	584	-196	996	0	245
80% Exceedance	-210	-86	-16	-153	-70	-3	494	390	-244	0	0	127
90% Exceedance	-10	-250	61	-81	-3	-26	285	-35	0	0	0	13
Full Simulation Period Average[a]	-65	-17	-36	-164	-9	32	673	996	-38	54	109	150
Wet Water Years (28%)	-4	-29	-55	-125	90	309	623	1,749	141	9	124	100
Above Normal Water Years (14%)	-162	4	3	-100	45	-155	1,525	1,220	-139	142	133	505
Below Normal Water Years (18%)	-51	-28	-23	-73	-53	-25	866	939	-138	359	257	272
Dry Water Years (24%)	-45	27	87	-352	-136	-98	452	564	-136	-129	40	-13
Critical Water Years (16%)	-133	-72	-254	-111	11	-29	130	196	-5	-15	0	33

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

Table F.2.3-11-6a. State Water Project Banks Pumping Plant Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,944	6,680	5,920	6,389	7,581	5,980	5,188	3,340	4,217	7,180	7,180	5,836
20% Exceedance	3,695	6,175	4,966	4,279	5,580	4,349	2,460	1,232	2,876	7,007	6,855	5,177
30% Exceedance	3,199	5,398	4,496	3,629	4,090	3,762	1,104	843	2,394	6,884	6,855	3,215
40% Exceedance	2,886	4,791	3,654	3,036	3,071	3,089	990	733	2,127	6,843	6,418	1,619
50% Exceedance	2,452	3,679	3,214	2,857	2,792	2,577	898	667	2,083	6,688	5,129	1,378
60% Exceedance	1,627	3,126	2,942	2,665	2,618	2,318	835	600	2,041	6,311	2,609	941
70% Exceedance	1,182	2,172	2,766	2,499	2,530	2,163	787	600	1,988	2,525	300	559
80% Exceedance	785	1,203	2,635	2,341	2,344	1,974	603	600	1,706	300	300	300
90% Exceedance	310	729	1,721	2,122	2,011	1,640	600	594	300	300	300	300
Full Simulation Period Average[a]	2,521	3,736	3,718	3,493	3,846	3,193	1,653	1,267	2,283	4,813	3,962	2,261
Wet Water Years (28%)	3,586	5,503	4,427	4,955	6,075	5,059	3,719	2,551	3,286	6,919	6,720	4,146
Above Normal Water Years (14%)	2,963	4,318	3,817	3,443	4,129	3,373	860	984	2,391	6,911	6,714	2,174
Below Normal Water Years (18%)	2,664	3,701	3,570	2,773	3,151	2,878	1,121	976	2,523	6,126	4,532	2,268
Dry Water Years (24%)	1,931	2,992	3,050	3,034	2,660	2,184	791	646	2,085	3,143	1,154	1,316
Critical Water Years (16%)	862	1,087	3,541	2,478	2,259	1,643	624	528	461	318	300	444

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

Table F.2.3-11-6b. State Water Project Banks Pumping Plant Exports, Alternative 3, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,032	6,680	3,898	5,946	7,270	5,438	1,187	818	2,596	573	524	2,862
20% Exceedance	2,788	4,659	2,713	3,533	5,225	3,963	704	652	1,108	300	421	2,202
30% Exceedance	2,534	3,436	2,303	2,783	3,235	2,655	635	427	382	300	300	1,934
40% Exceedance	2,313	2,510	1,847	2,426	2,809	1,654	477	369	300	300	300	1,787
50% Exceedance	1,943	1,883	1,191	1,726	2,109	1,158	419	300	300	300	300	1,468
60% Exceedance	1,017	1,365	578	1,029	1,280	322	361	300	300	300	300	1,135
70% Exceedance	741	935	300	300	853	300	300	300	300	300	300	644
80% Exceedance	336	706	300	300	300	300	300	300	300	300	300	316
90% Exceedance	300	312	300	300	300	300	300	300	300	300	300	300
Full Simulation Period Average[a]	1,958	2,616	1,794	2,272	2,840	2,008	584	499	921	598	458	1,565
Wet Water Years (28%)	2,353	2,990	2,616	4,217	3,914	2,147	668	603	2,182	1,306	737	1,874
Above Normal Water Years (14%)	1,826	1,964	1,463	2,592	4,087	2,599	520	556	719	300	333	1,409
Below Normal Water Years (18%)	2,496	3,768	1,793	1,596	2,306	2,266	852	592	456	326	361	2,173
Dry Water Years (24%)	2,056	2,735	1,749	893	2,162	2,071	463	385	329	350	379	1,561
Critical Water Years (16%)	551	996	664	1,415	1,485	862	371	332	300	300	307	480

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

Table F.2.3-11-6c. State Water Project Banks Pumping Plant Exports, Alternative 3 minus No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-912	0	-2,023	-443	-311	-542	-4,001	-2,522	-1,622	-6,607	-6,656	-2,974
20% Exceedance	-907	-1,515	-2,253	-746	-355	-386	-1,756	-580	-1,768	-6,707	-6,434	-2,974
30% Exceedance	-665	-1,962	-2,193	-846	-856	-1,107	-469	-416	-2,012	-6,584	-6,555	-1,281
40% Exceedance	-573	-2,281	-1,807	-610	-262	-1,435	-512	-364	-1,827	-6,543	-6,118	169
50% Exceedance	-509	-1,796	-2,023	-1,131	-684	-1,420	-480	-367	-1,783	-6,388	-4,829	90
60% Exceedance	-610	-1,760	-2,364	-1,637	-1,338	-1,996	-474	-300	-1,741	-6,011	-2,309	193
70% Exceedance	-441	-1,237	-2,466	-2,199	-1,676	-1,863	-487	-300	-1,688	-2,225	0	84
80% Exceedance	-449	-498	-2,335	-2,041	-2,044	-1,674	-303	-300	-1,406	0	0	16
90% Exceedance	-10	-417	-1,421	-1,822	-1,711	-1,340	-300	-294	0	0	0	0
Full Simulation Period Average[a]	-563	-1,120	-1,924	-1,221	-1,006	-1,186	-1,070	-769	-1,363	-4,214	-3,504	-696
Wet Water Years (28%)	-1,234	-2,513	-1,812	-738	-2,161	-2,911	-3,051	-1,949	-1,104	-5,613	-5,983	-2,272
Above Normal Water Years (14%)	-1,137	-2,354	-2,353	-850	-42	-773	-340	-429	-1,673	-6,611	-6,381	-765
Below Normal Water Years (18%)	-168	67	-1,777	-1,177	-844	-612	-268	-385	-2,067	-5,800	-4,171	-95
Dry Water Years (24%)	126	-258	-1,301	-2,141	-498	-112	-328	-260	-1,755	-2,793	-775	245
Critical Water Years (16%)	-311	-92	-2,877	-1,063	-774	-781	-254	-196	-161	-18	7	36

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

Table F.2.3-11-7a. State Water Project Banks Pumping Plant Exports, No Action Alternative, Monthly Delivery (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,944	6,680	5,920	6,389	7,581	5,980	5,188	3,340	4,217	7,180	7,180	5,836
20% Exceedance	3,695	6,175	4,966	4,279	5,580	4,349	2,460	1,232	2,876	7,007	6,855	5,177
30% Exceedance	3,199	5,398	4,496	3,629	4,090	3,762	1,104	843	2,394	6,884	6,855	3,215
40% Exceedance	2,886	4,791	3,654	3,036	3,071	3,089	990	733	2,127	6,843	6,418	1,619
50% Exceedance	2,452	3,679	3,214	2,857	2,792	2,577	898	667	2,083	6,688	5,129	1,378
60% Exceedance	1,627	3,126	2,942	2,665	2,618	2,318	835	600	2,041	6,311	2,609	941
70% Exceedance	1,182	2,172	2,766	2,499	2,530	2,163	787	600	1,988	2,525	300	559
80% Exceedance	785	1,203	2,635	2,341	2,344	1,974	603	600	1,706	300	300	300
90% Exceedance	310	729	1,721	2,122	2,011	1,640	600	594	300	300	300	300
Full Simulation Period Average[a]	2,521	3,736	3,718	3,493	3,846	3,193	1,653	1,267	2,283	4,813	3,962	2,261
Wet Water Years (28%)	3,586	5,503	4,427	4,955	6,075	5,059	3,719	2,551	3,286	6,919	6,720	4,146
Above Normal Water Years (14%)	2,963	4,318	3,817	3,443	4,129	3,373	860	984	2,391	6,911	6,714	2,174
Below Normal Water Years (18%)	2,664	3,701	3,570	2,773	3,151	2,878	1,121	976	2,523	6,126	4,532	2,268
Dry Water Years (24%)	1,931	2,992	3,050	3,034	2,660	2,184	791	646	2,085	3,143	1,154	1,316
Critical Water Years (16%)	862	1,087	3,541	2,478	2,259	1,643	624	528	461	318	300	444

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

Table F.2.3-11-7b. State Water Project Banks Pumping Plant Exports, Alternative 4, Monthly Delivery (cfs)

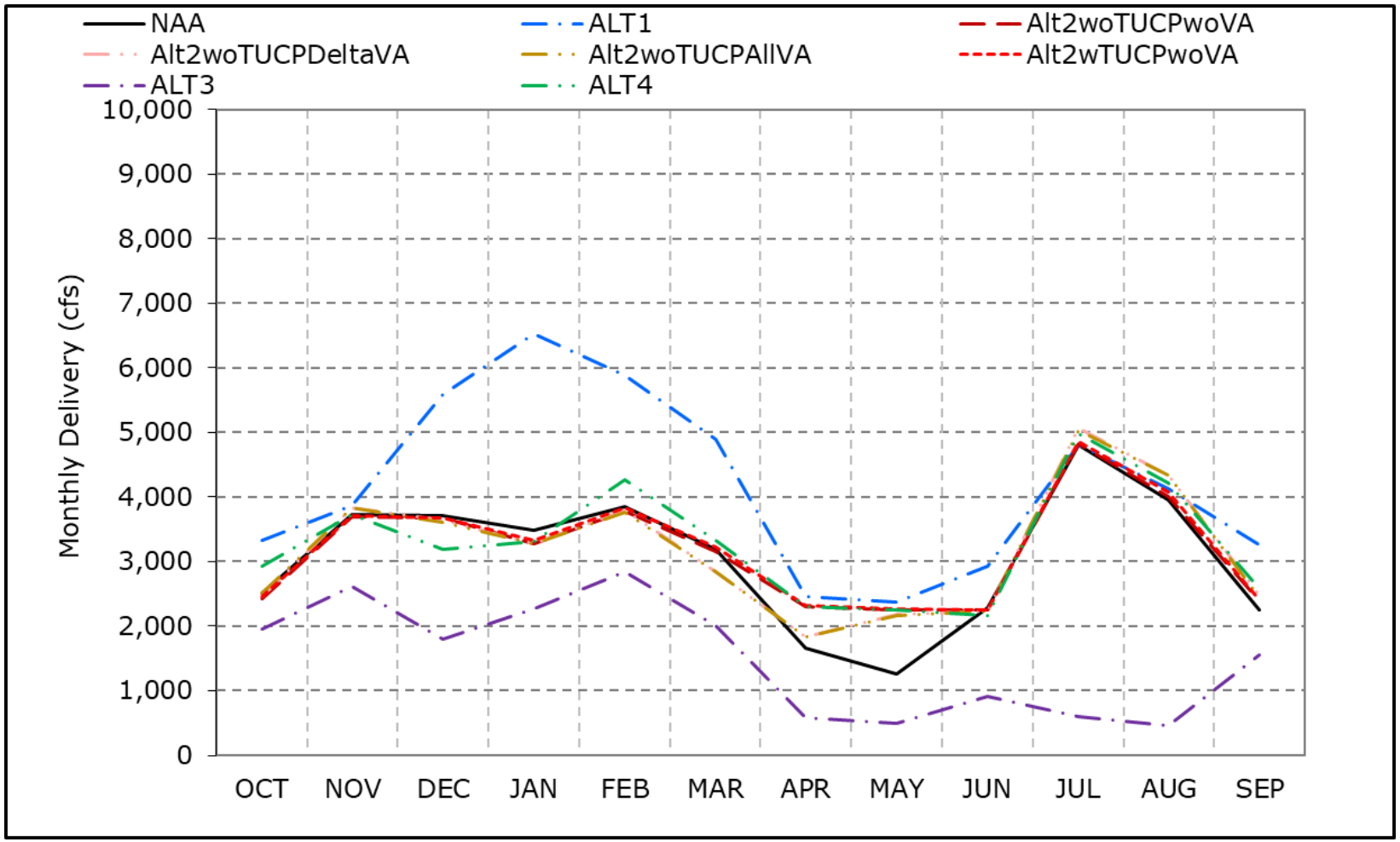
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,325	6,680	4,511	5,497	8,159	6,389	5,285	5,791	3,672	7,180	7,180	7,180
20% Exceedance	4,737	6,216	4,050	4,035	6,186	4,864	3,098	3,023	2,878	7,180	7,180	5,125
30% Exceedance	3,803	5,393	3,706	3,270	4,801	3,934	2,700	2,355	2,310	6,991	7,180	3,350
40% Exceedance	3,551	4,584	3,203	2,961	3,844	3,145	2,133	2,003	2,139	6,910	6,474	1,838
50% Exceedance	2,951	3,921	2,874	2,774	3,217	2,630	1,717	1,670	1,922	6,797	5,822	1,497
60% Exceedance	2,042	3,238	2,688	2,652	2,936	2,336	1,336	1,305	1,848	6,593	3,895	1,176
70% Exceedance	1,336	2,376	2,454	2,458	2,776	2,167	1,203	1,193	1,803	4,464	423	895
80% Exceedance	873	1,023	2,252	2,267	2,577	2,002	1,098	1,025	1,554	300	300	538
90% Exceedance	300	504	1,264	2,074	2,169	1,613	747	658	300	300	300	357
Full Simulation Period Average[a]	2,933	3,738	3,183	3,321	4,264	3,330	2,305	2,255	2,171	4,988	4,212	2,580
Wet Water Years (28%)	4,719	5,440	3,457	4,606	6,426	5,662	4,299	4,238	3,319	6,965	6,881	4,637
Above Normal Water Years (14%)	3,512	4,504	3,328	3,158	4,678	3,342	2,367	2,240	2,255	6,986	6,816	3,066
Below Normal Water Years (18%)	2,714	3,700	3,358	2,613	3,568	2,818	1,928	1,845	2,255	6,537	5,320	2,526
Dry Water Years (24%)	1,979	2,985	2,829	3,003	3,004	2,124	1,260	1,253	1,835	3,481	1,358	1,335
Critical Water Years (16%)	807	1,046	2,885	2,491	2,794	1,624	753	763	499	301	300	481

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

Table F.2.3-11-7c. State Water Project Banks Pumping Plant Exports, Alternative 4 minus No Action Alternative, Monthly Delivery (cfs)

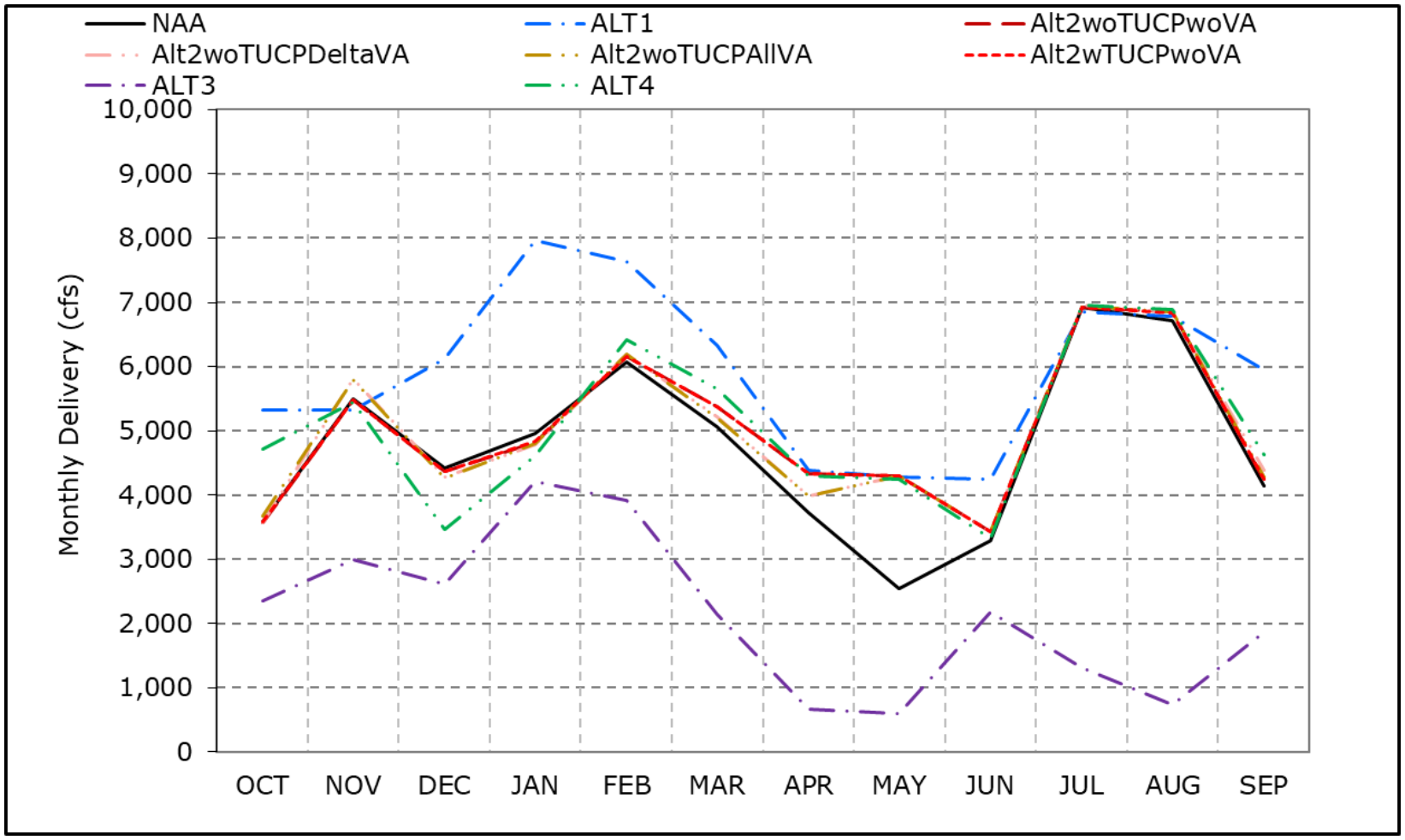
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,381	0	-1,409	-892	578	409	97	2,450	-546	0	0	1,344
20% Exceedance	1,042	41	-916	-243	606	515	638	1,791	3	173	325	-52
30% Exceedance	604	-5	-790	-359	711	172	1,596	1,511	-84	107	325	135
40% Exceedance	665	-207	-451	-75	773	56	1,143	1,270	12	67	57	220
50% Exceedance	499	242	-340	-83	425	52	819	1,003	-161	110	693	119
60% Exceedance	415	112	-255	-13	318	18	501	705	-194	282	1,286	234
70% Exceedance	154	204	-312	-41	246	4	416	593	-185	1,939	123	336
80% Exceedance	87	-180	-383	-74	233	29	494	425	-152	0	0	238
90% Exceedance	-10	-225	-457	-48	158	-27	147	65	0	0	0	57
Full Simulation Period Average[a]	412	2	-535	-172	418	137	652	988	-112	175	250	319
Wet Water Years (28%)	1,132	-64	-971	-349	350	603	580	1,687	34	46	161	490
Above Normal Water Years (14%)	549	186	-489	-285	548	-31	1,508	1,256	-137	75	102	892
Below Normal Water Years (18%)	51	-1	-211	-160	418	-59	807	868	-268	410	788	258
Dry Water Years (24%)	48	-7	-220	-31	344	-60	469	607	-250	338	204	18
Critical Water Years (16%)	-55	-41	-656	13	535	-18	128	234	38	-17	0	37

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



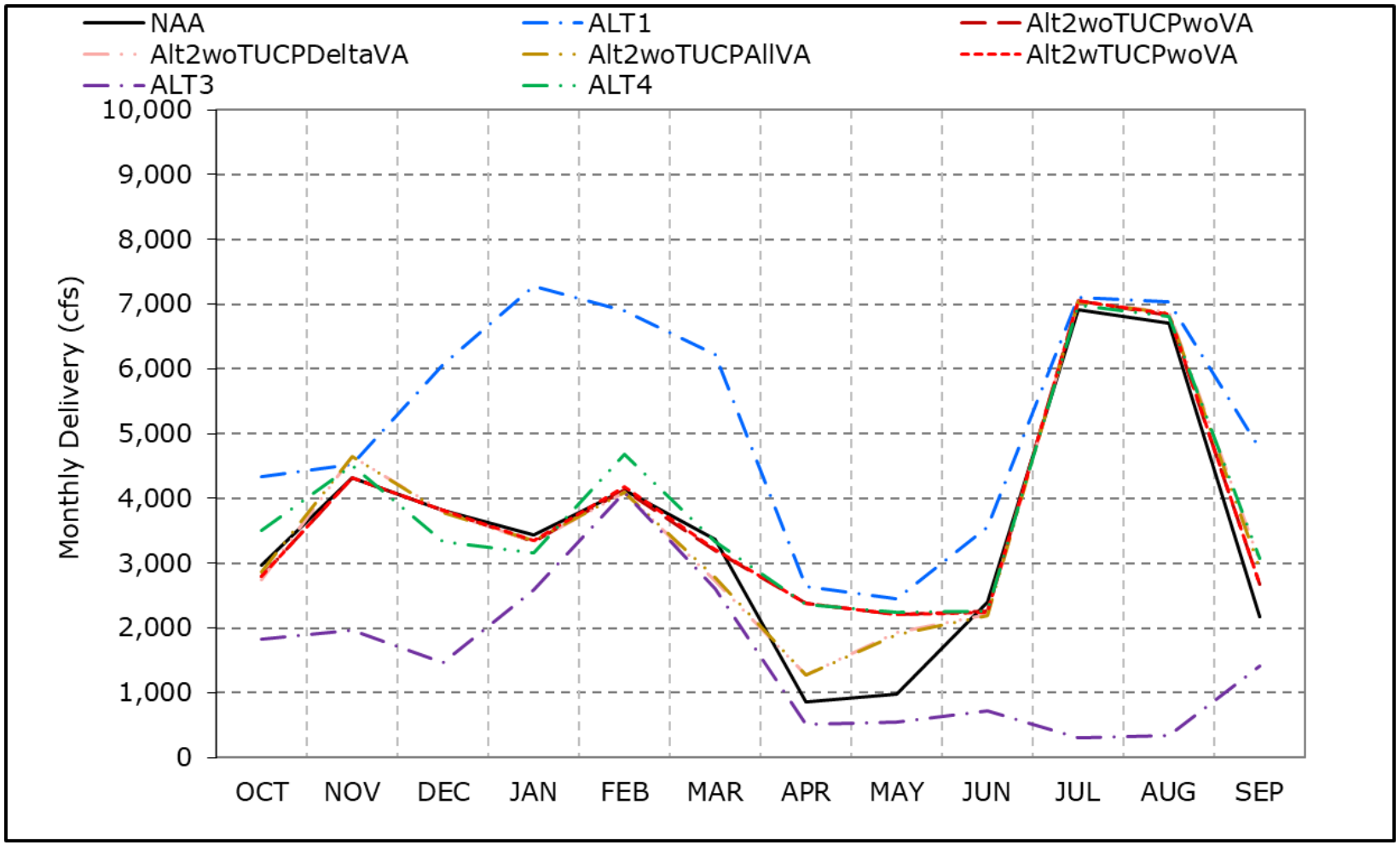
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-11-1. State Water Project Banks Pumping Plant Exports, Long-Term Average Delivery



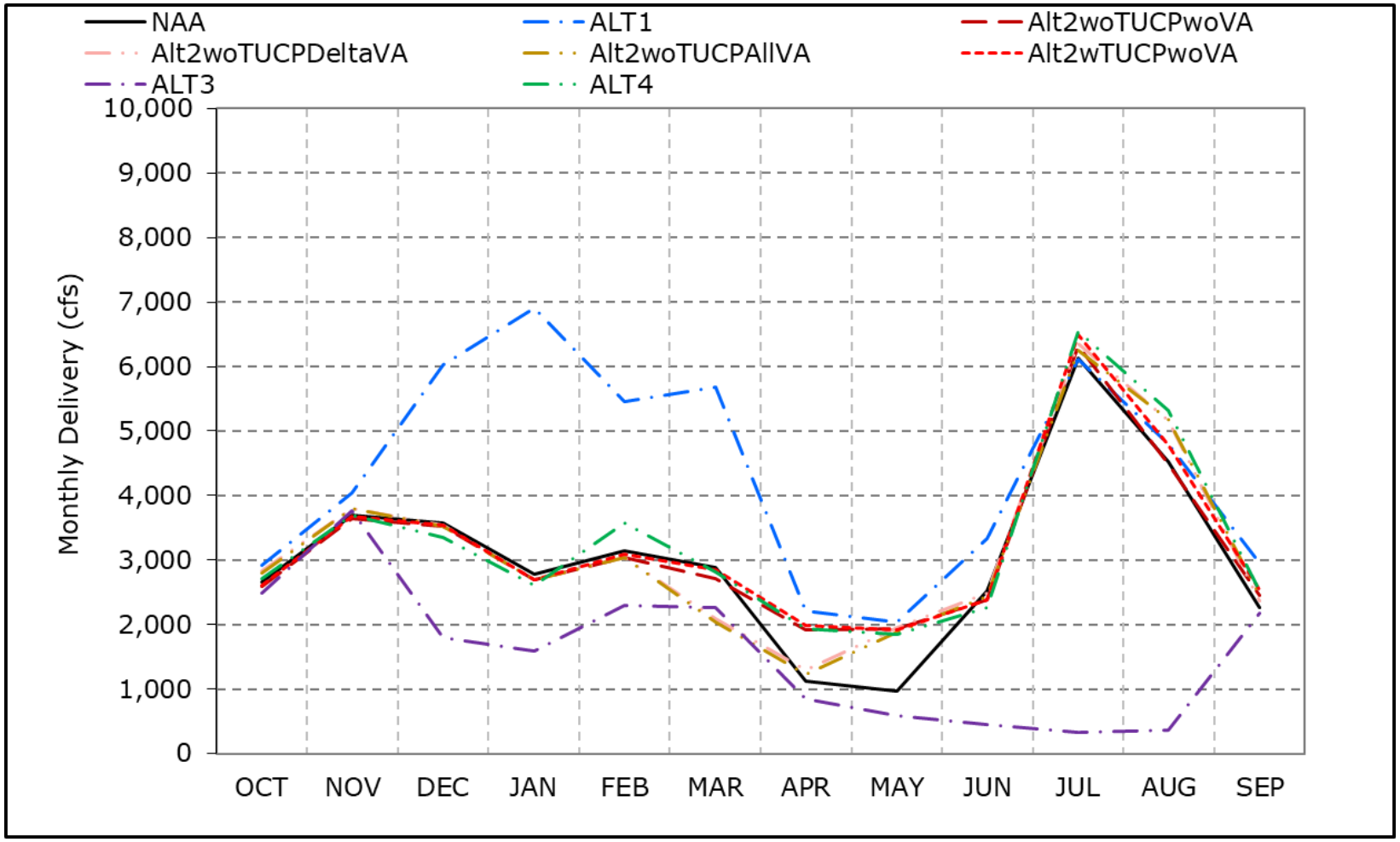
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-11-2. State Water Project Banks Pumping Plant Exports, Wet Year Average Delivery



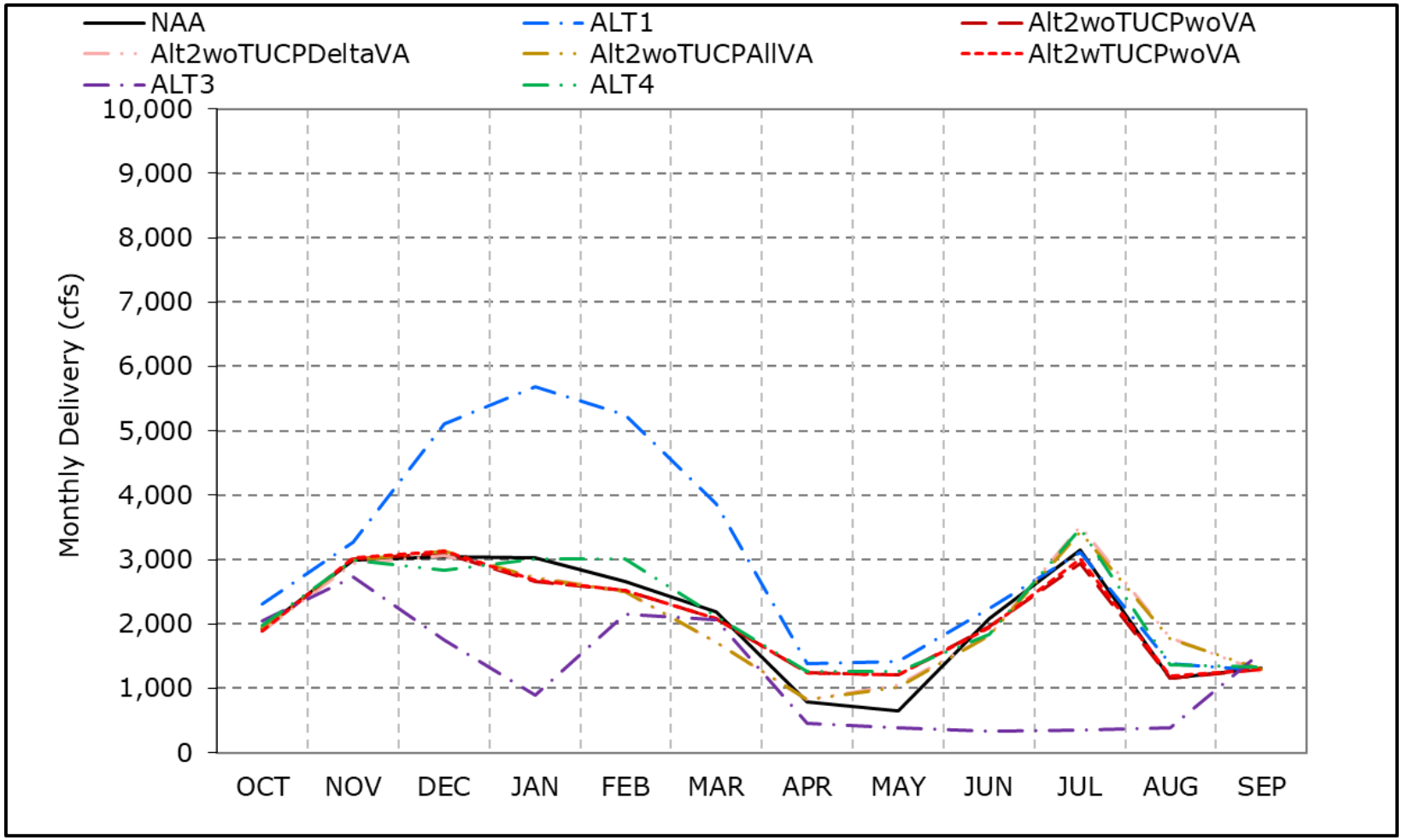
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-11-3. State Water Project Banks Pumping Plant Exports, Above Normal Year Average Delivery



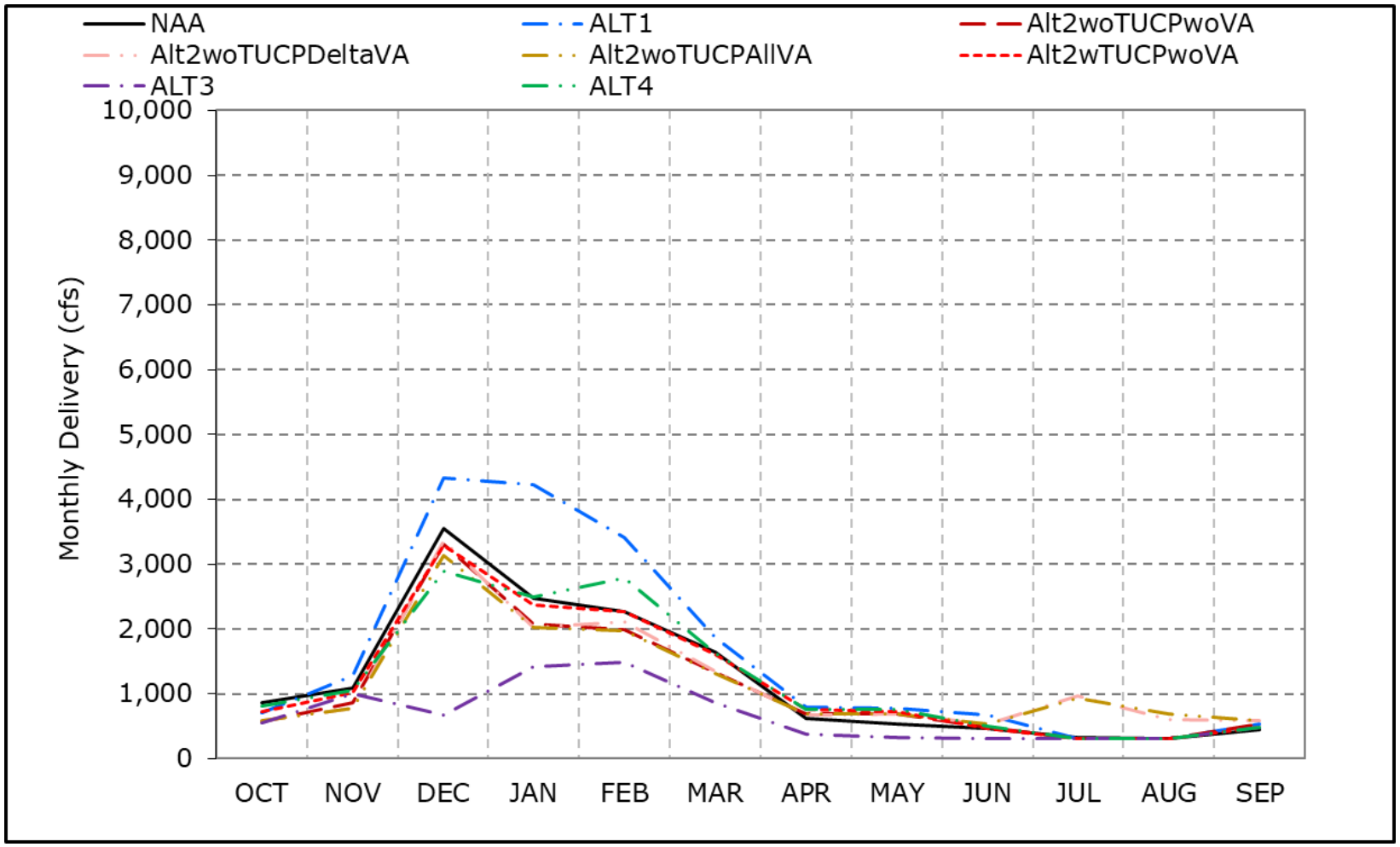
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-11-4. State Water Project Banks Pumping Plant Exports, Below Normal Year Average Delivery



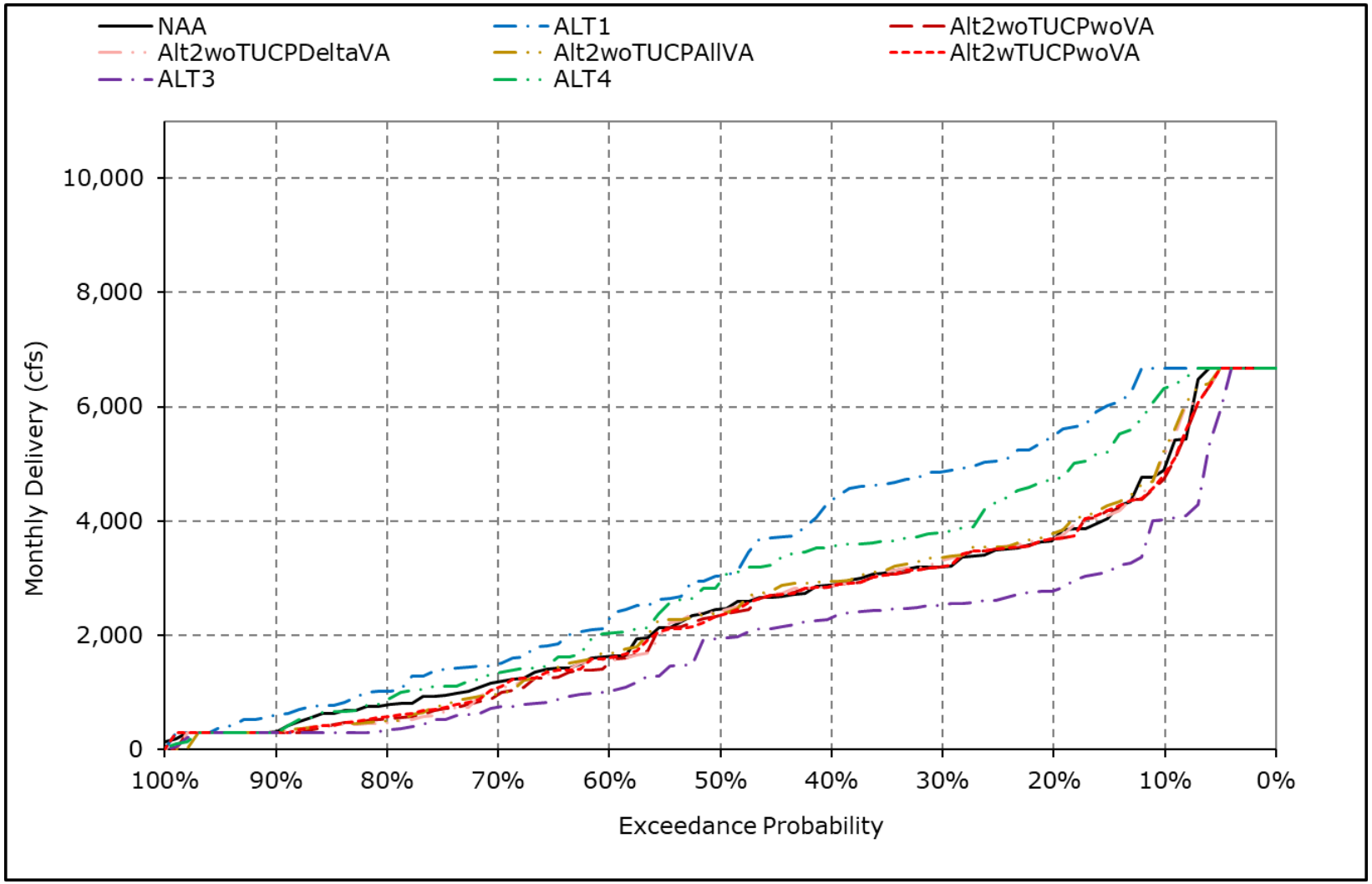
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-11-5. State Water Project Banks Pumping Plant Exports, Dry Year Average Delivery



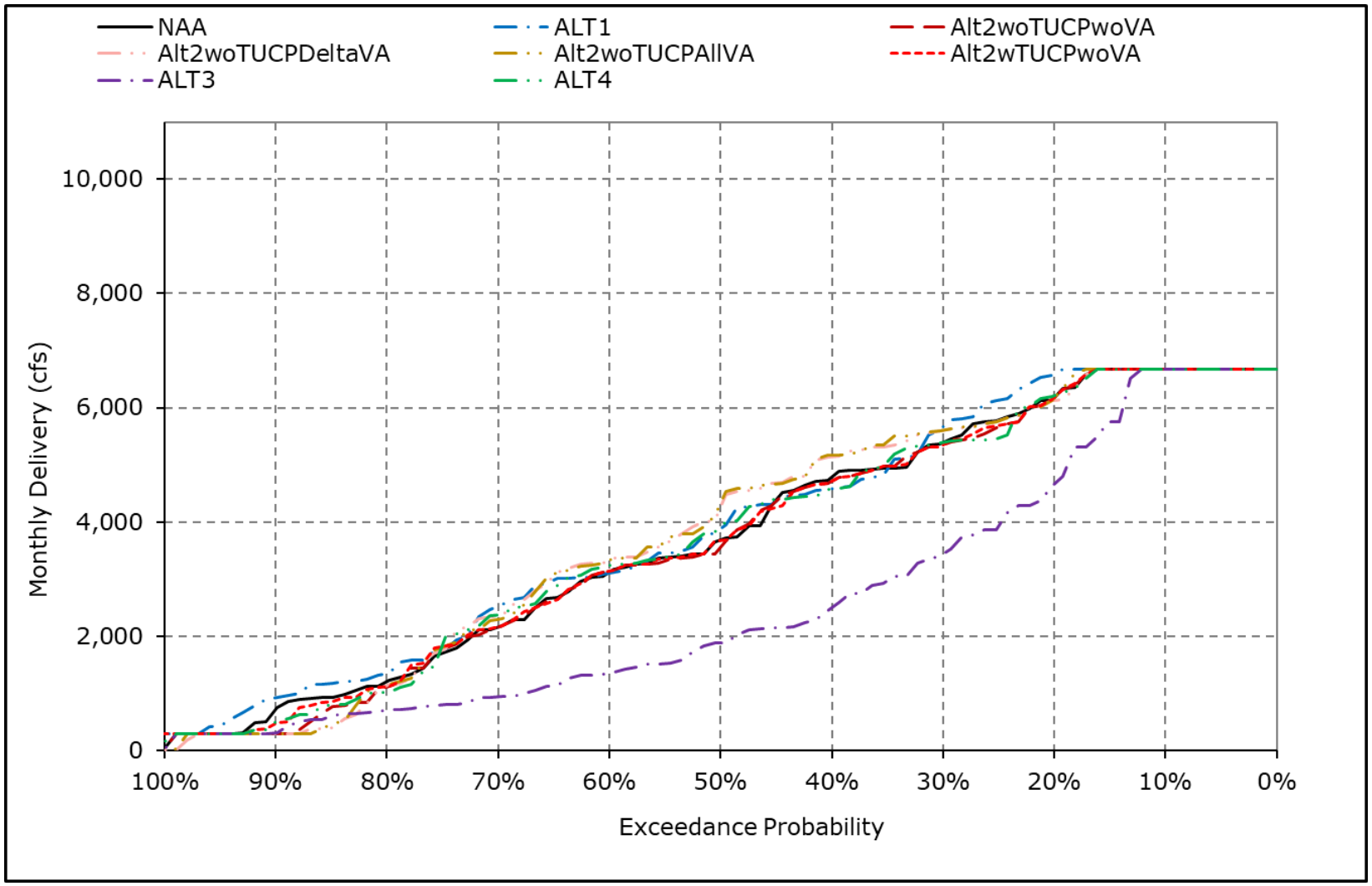
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-11-6. State Water Project Banks Pumping Plant Exports, Critical Year Average Delivery



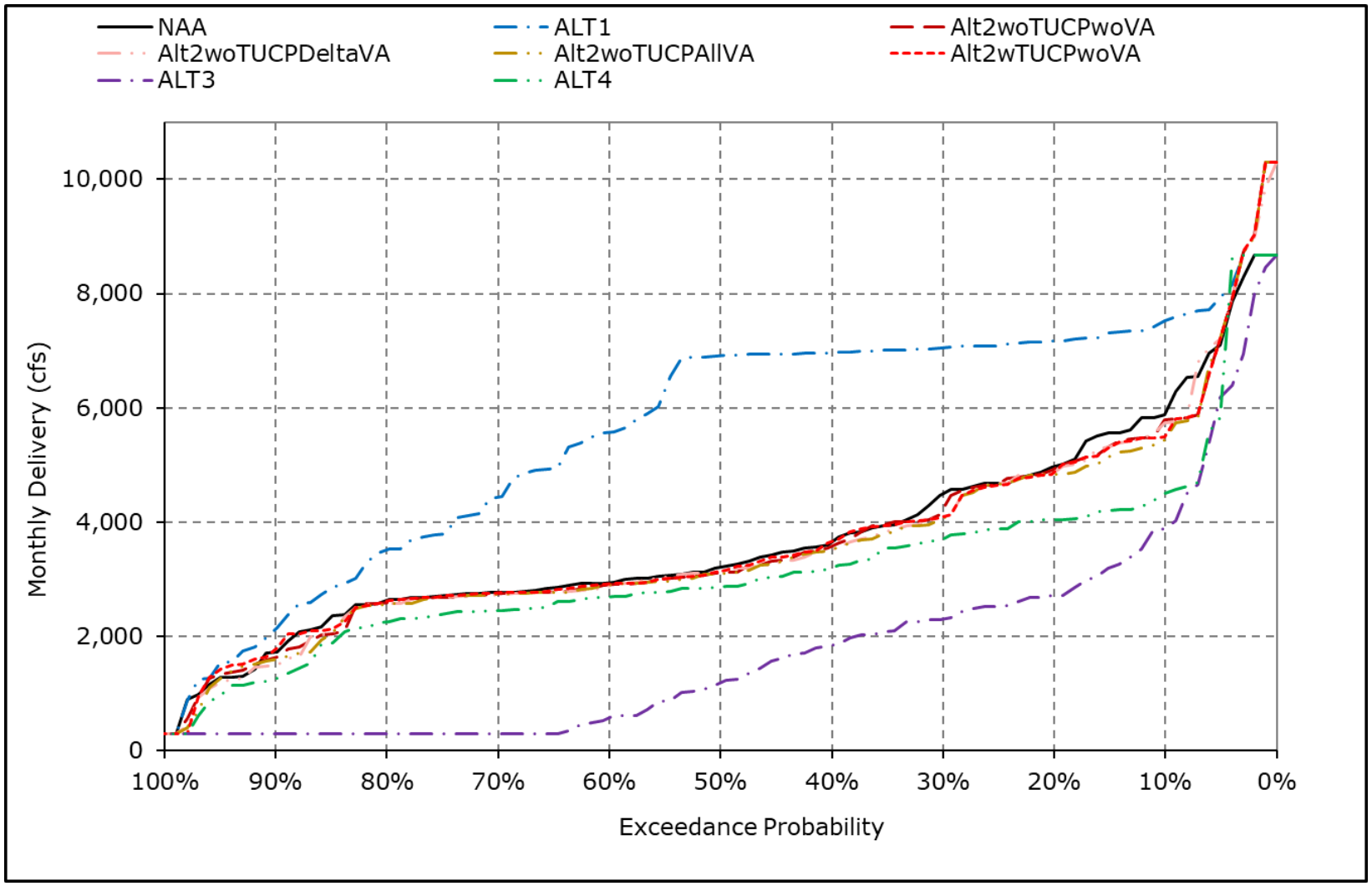
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-11-7. State Water Project Banks Pumping Plant Exports, October



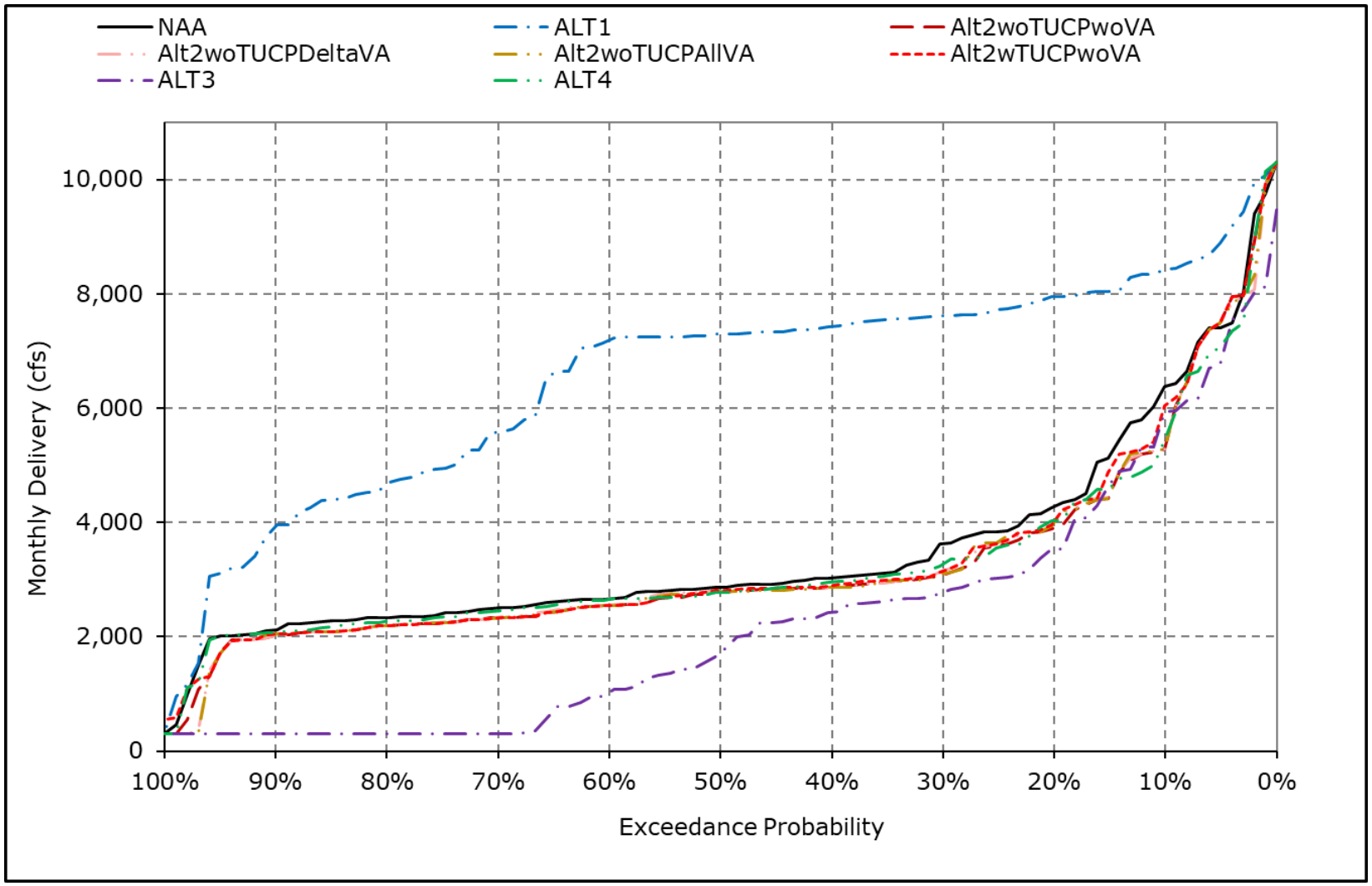
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-11-8. State Water Project Banks Pumping Plant Exports, November



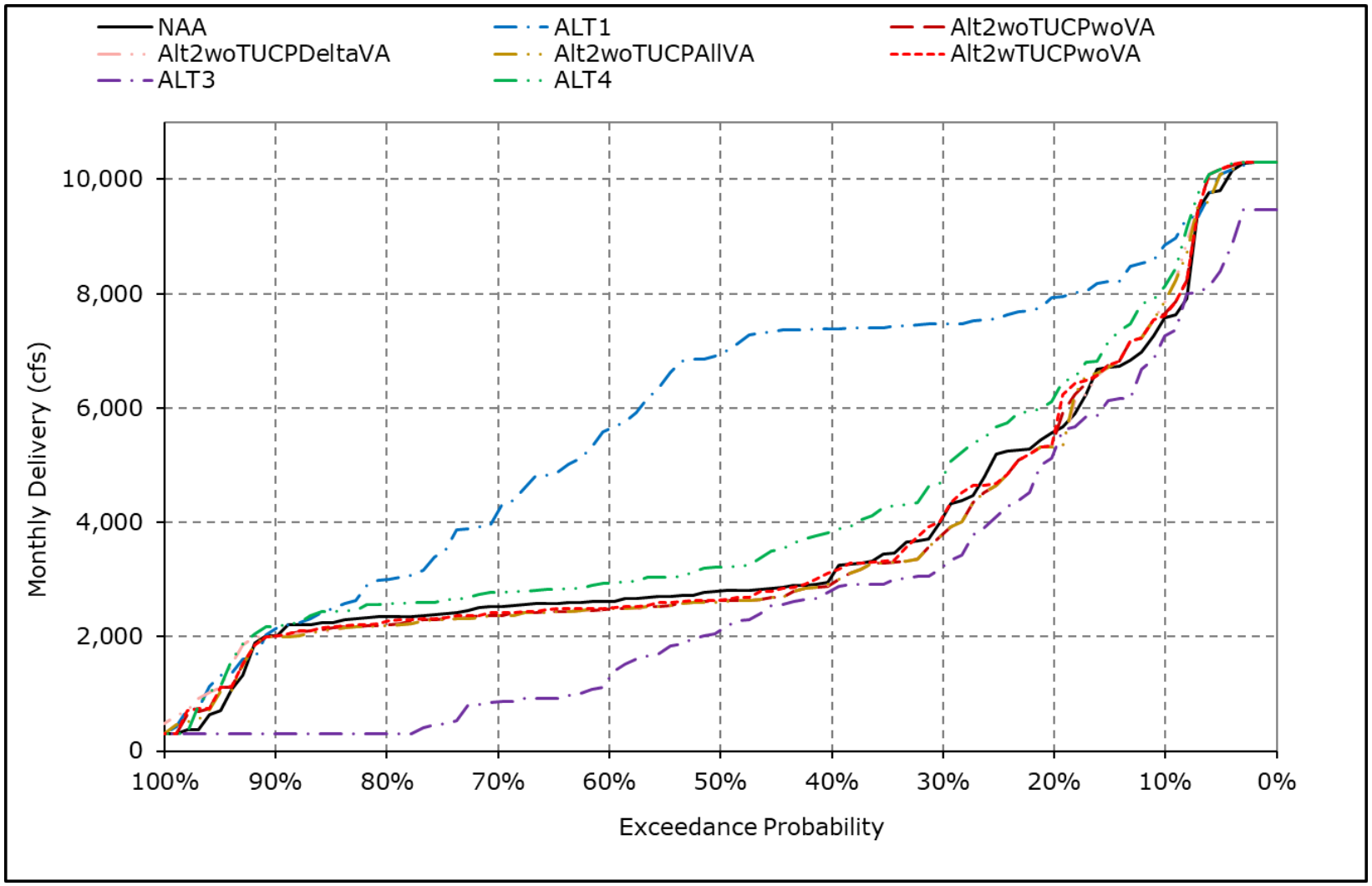
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-11-9. State Water Project Banks Pumping Plant Exports, December



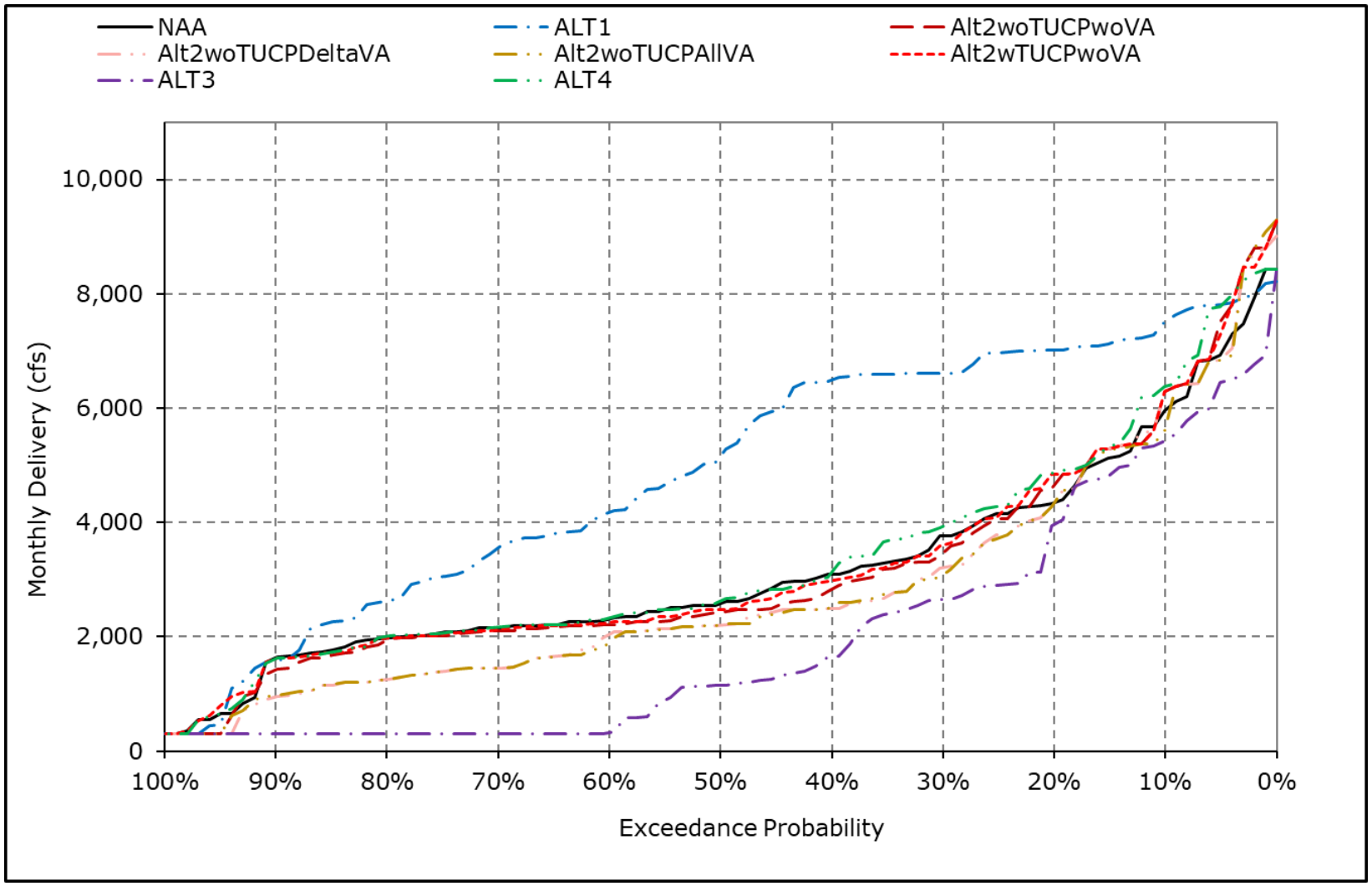
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-11-10. State Water Project Banks Pumping Plant Exports, January



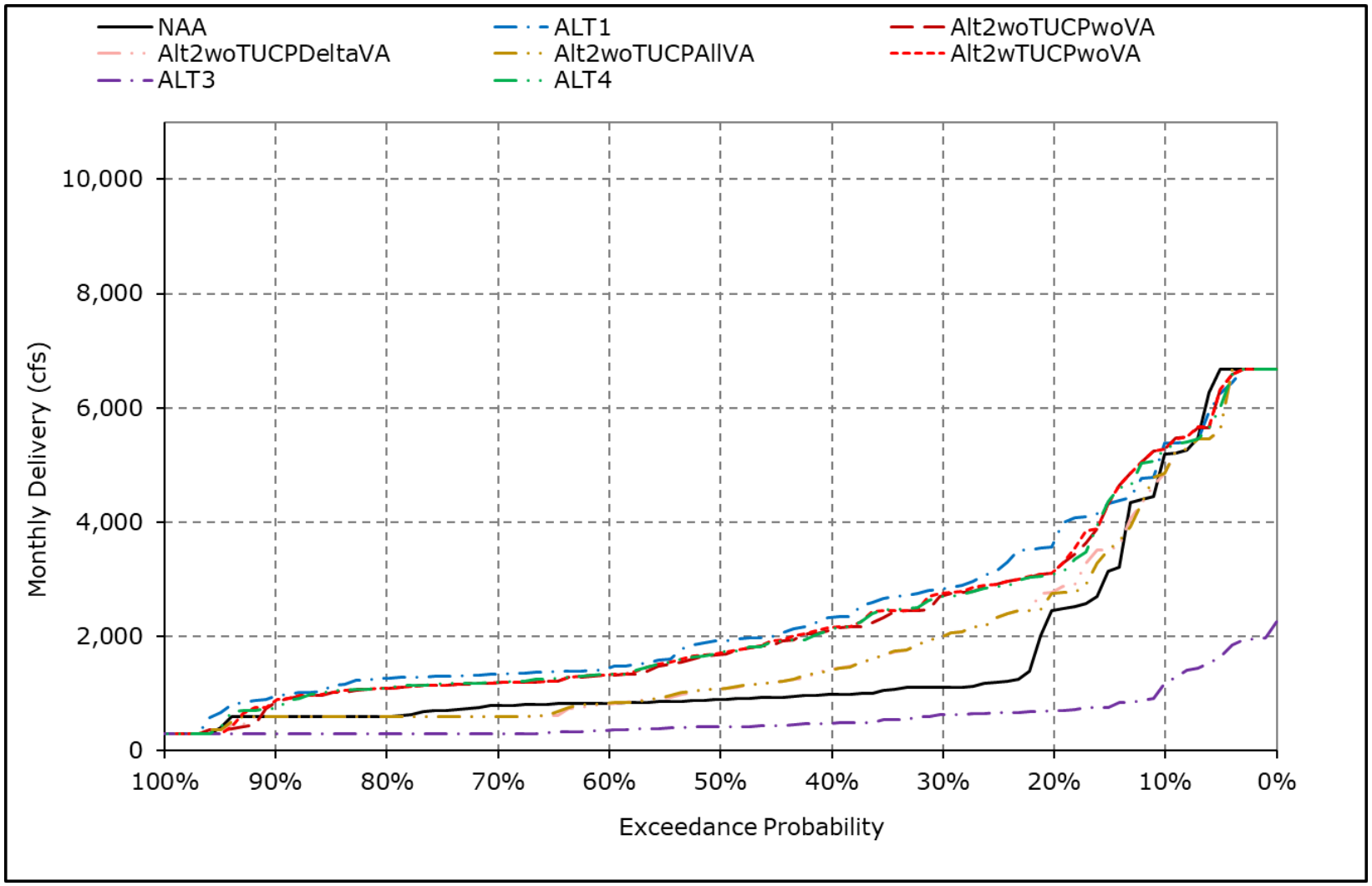
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-11-11. State Water Project Banks Pumping Plant Exports, February



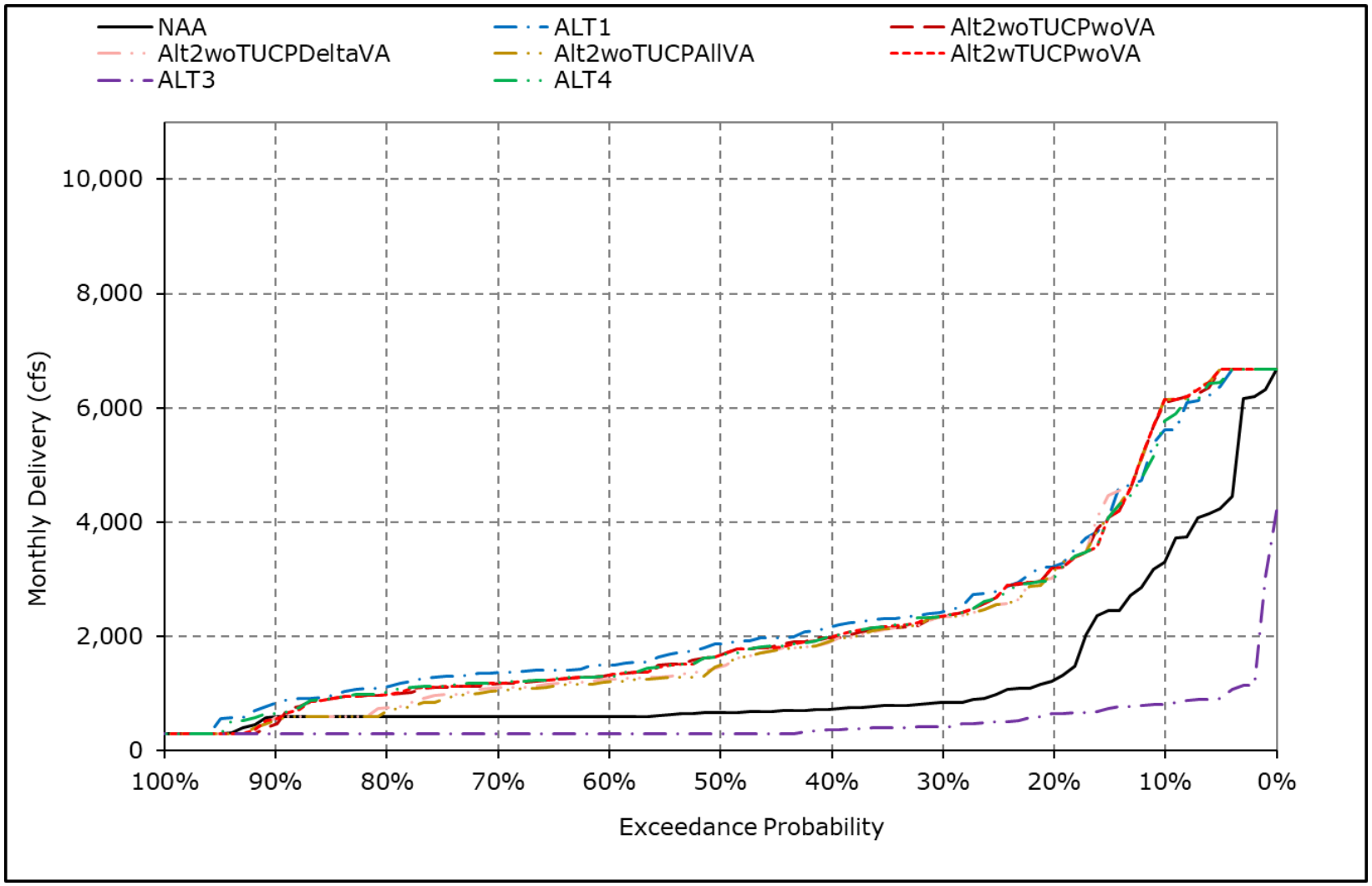
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-11-12. State Water Project Banks Pumping Plant Exports, March



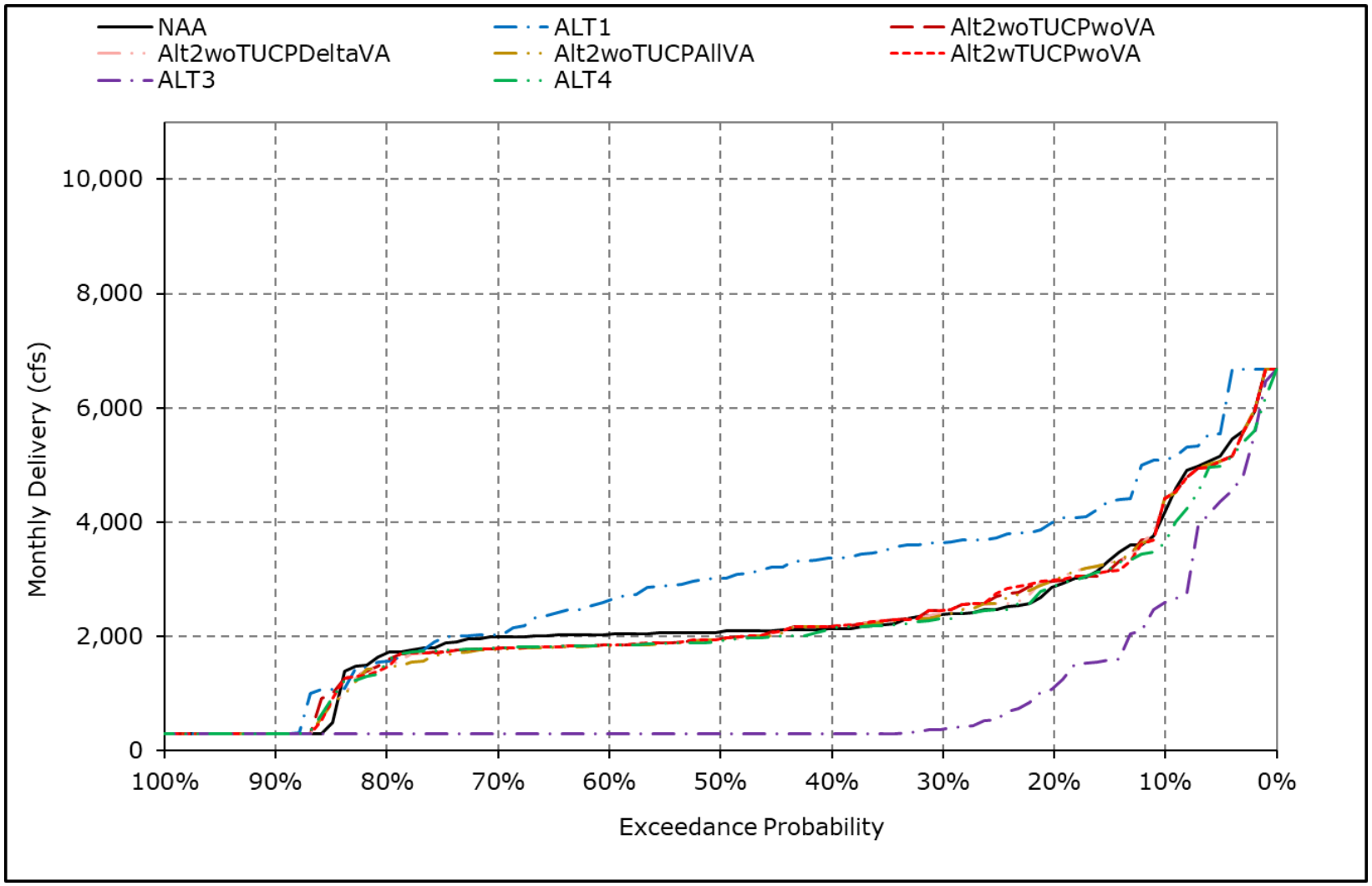
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-11-13. State Water Project Banks Pumping Plant Exports, April



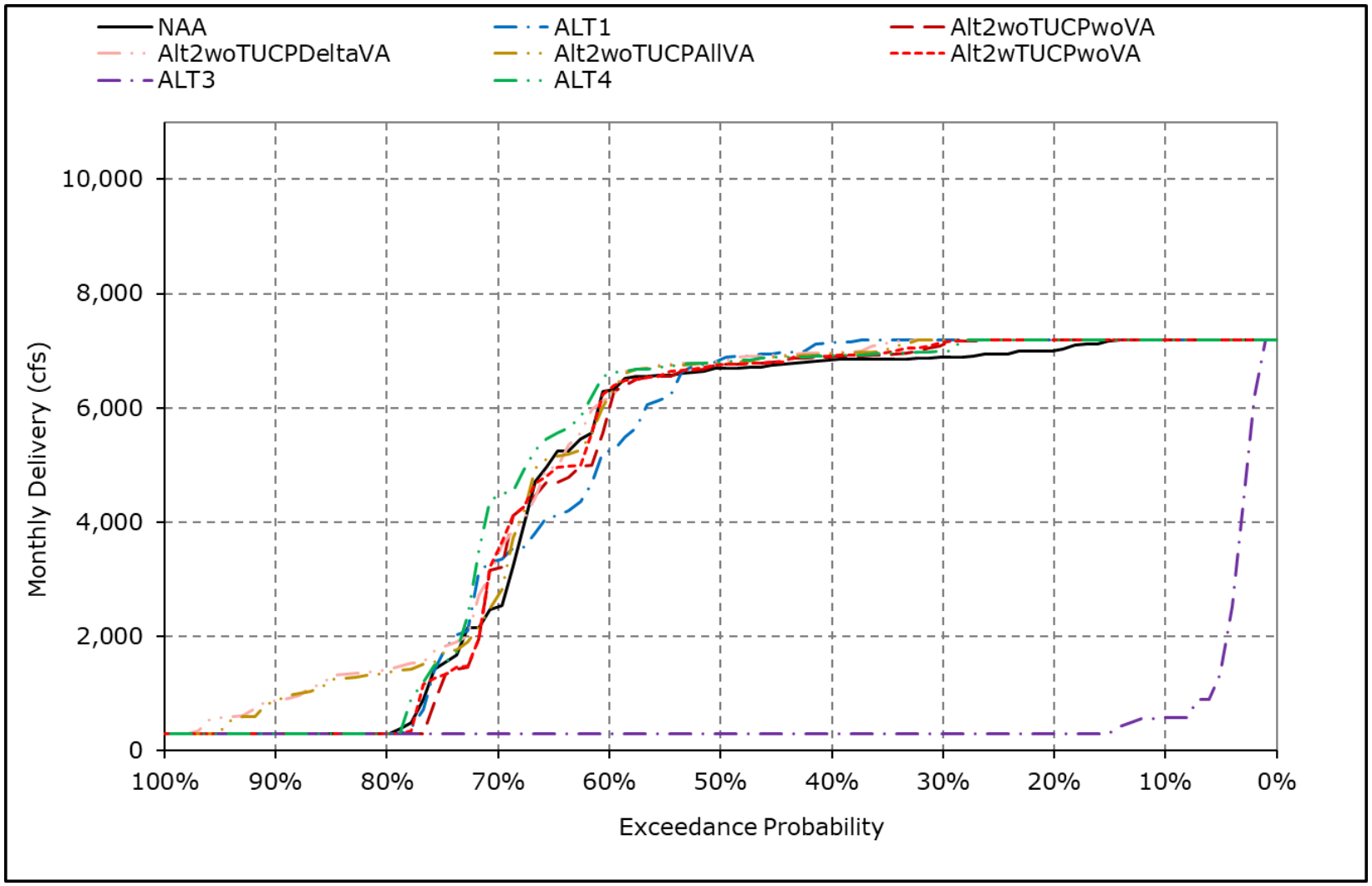
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-11-14. State Water Project Banks Pumping Plant Exports, May



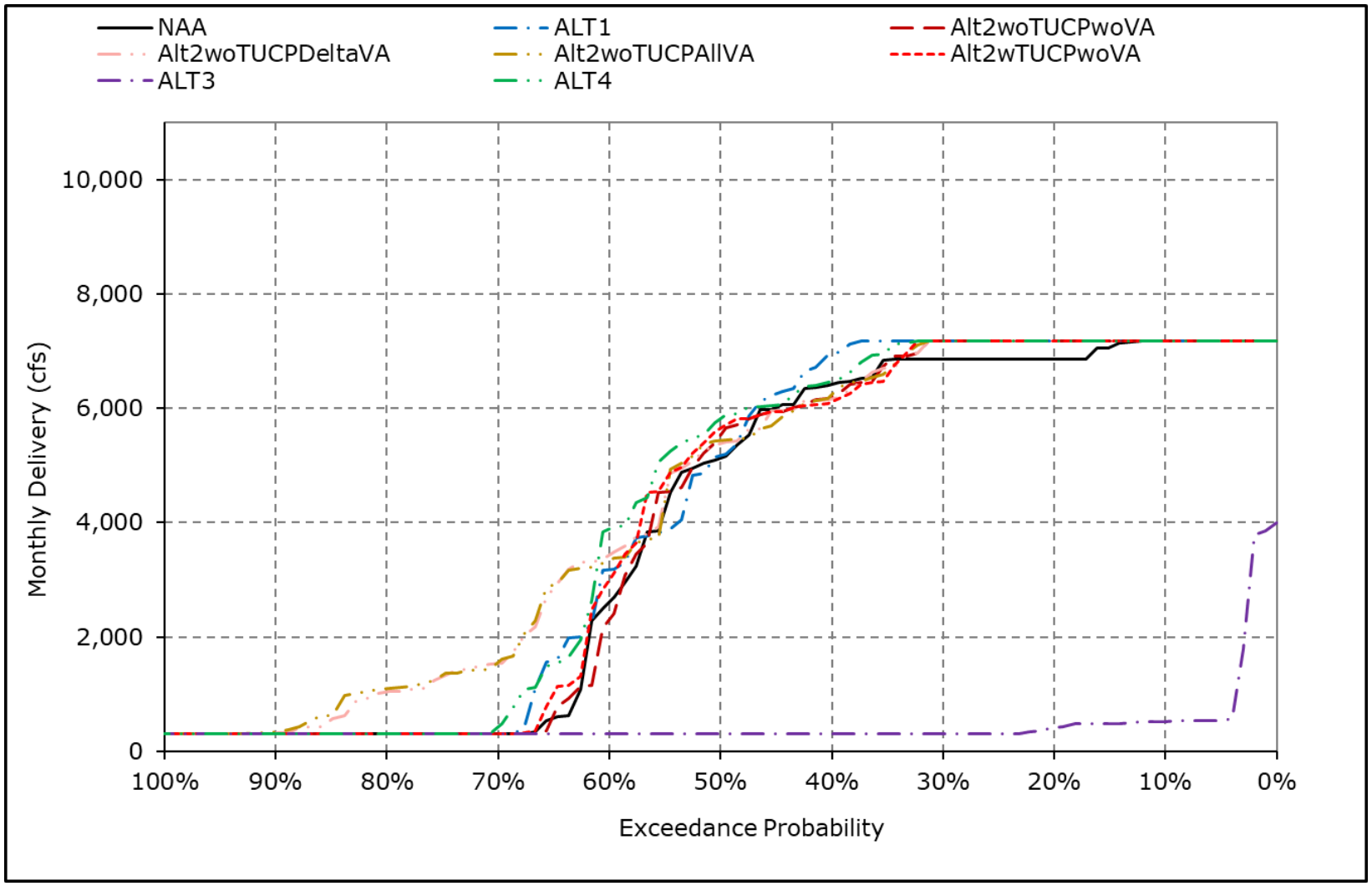
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-11-15. State Water Project Banks Pumping Plant Exports, June



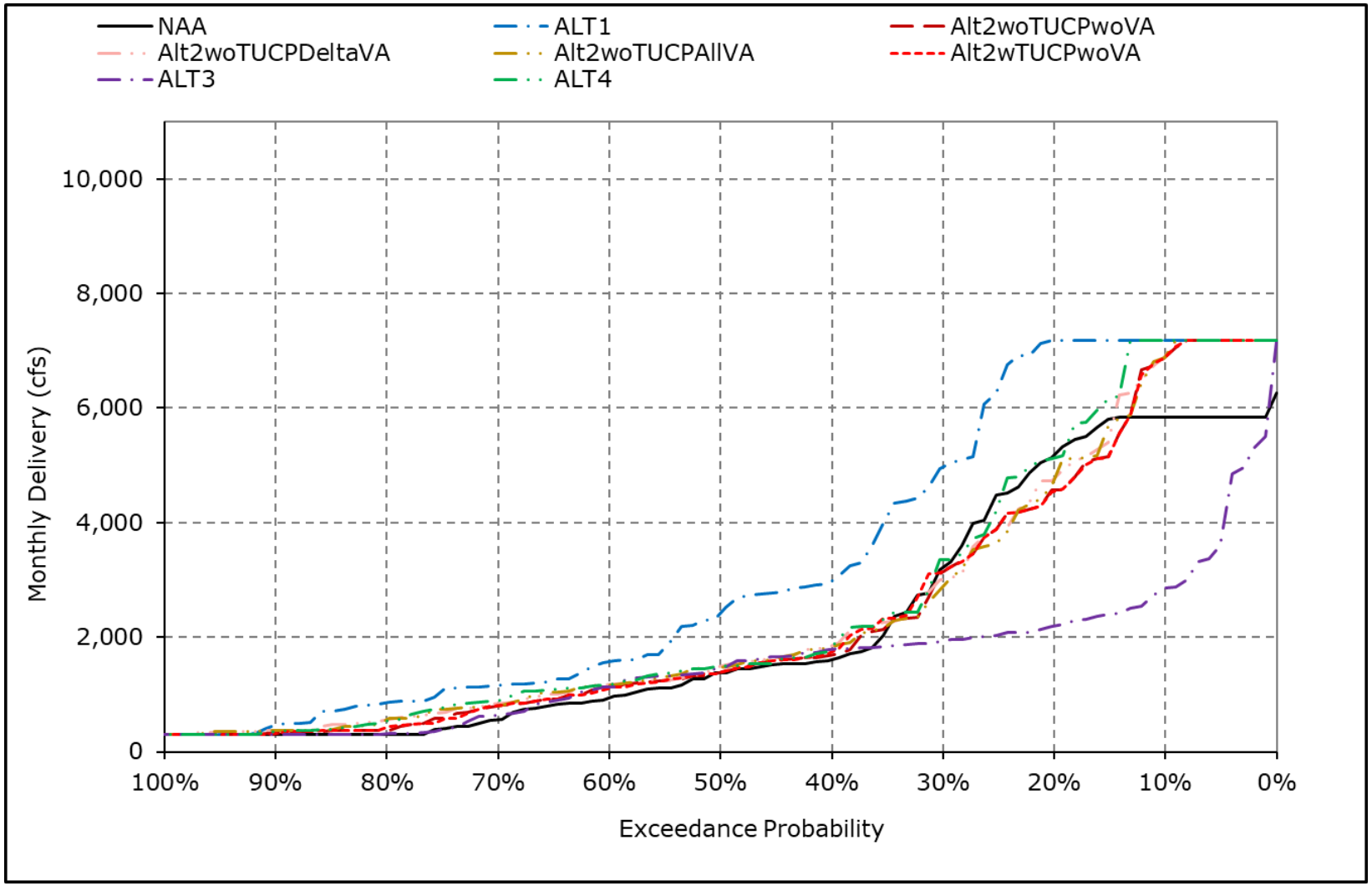
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-11-16. State Water Project Banks Pumping Plant Exports, July



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

Figure F.2.3-11-17. State Water Project Banks Pumping Plant Exports, August



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

Figure F.2.3-11-18. State Water Project Banks Pumping Plant Exports, September

Table F.2.3-12-1a. Delta-Mendota Canal–California Aqueduct Intertie Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	127	335	368	316	362	287	1	40	39	2	108	152
20% Exceedance	1	315	351	212	274	31	1	1	2	2	41	87
30% Exceedance	1	285	303	1	79	1	1	1	2	2	2	53
40% Exceedance	1	270	1	1	1	1	1	1	2	2	2	2
50% Exceedance	1	44	1	1	1	1	1	1	2	2	2	2
60% Exceedance	1	1	1	1	1	1	1	1	2	1	2	2
70% Exceedance	1	1	1	1	1	1	1	1	2	1	2	2
80% Exceedance	1	1	1	1	1	1	1	1	2	0	1	2
90% Exceedance	0	0	0	0	1	0	0	0	1	0	0	1
Full Simulation Period Average[a]	28	150	124	72	91	53	6	9	8	9	28	43
Wet Water Years (28%)	65	267	150	163	135	73	11	23	22	2	20	40
Above Normal Water Years (14%)	18	249	202	119	148	106	17	1	5	15	79	2
Below Normal Water Years (18%)	21	91	131	52	62	23	1	1	2	16	59	90
Dry Water Years (24%)	14	90	69	1	56	39	1	7	2	15	1	64
Critical Water Years (16%)	1	0	75	0	48	26	1	1	1	1	1	1

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

Table F.2.3-12-1b. Delta-Mendota Canal–California Aqueduct Intertie Flow, Alternative 1, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	149	321	374	359	374	324	1	39	52	2	37	94
20% Exceedance	109	296	368	332	365	296	1	1	2	2	2	84
30% Exceedance	26	273	361	315	343	259	1	1	2	2	2	76
40% Exceedance	1	252	349	301	322	198	1	1	2	2	2	2
50% Exceedance	1	1	326	269	265	1	1	1	2	2	2	2
60% Exceedance	1	1	1	246	235	1	1	1	2	1	2	2
70% Exceedance	1	1	1	1	1	1	1	1	2	0	2	2
80% Exceedance	0	1	1	1	1	1	1	1	2	0	1	1
90% Exceedance	0	0	1	1	1	1	1	1	1	0	0	0
Full Simulation Period Average[a]	43	125	205	203	210	133	8	8	9	6	11	37
Wet Water Years (28%)	93	233	229	266	209	115	19	22	22	2	17	67
Above Normal Water Years (14%)	48	120	239	303	286	148	1	1	11	1	18	41
Below Normal Water Years (18%)	36	90	262	219	185	161	14	1	5	16	21	36
Dry Water Years (24%)	13	108	162	127	230	181	1	6	2	8	1	25
Critical Water Years (16%)	1	1	127	98	142	48	1	1	1	1	1	1

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

Table F.2.3-12-1c. Delta-Mendota Canal–California Aqueduct Intertie Flow, Alternative 1 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	22	-14	6	43	12	37	0	-1	13	0	-71	-57
20% Exceedance	108	-19	16	120	91	265	0	0	0	0	-39	-2
30% Exceedance	25	-12	58	315	265	258	0	0	0	0	0	23
40% Exceedance	0	-18	348	300	322	197	0	0	0	0	0	0
50% Exceedance	0	-43	325	268	265	0	0	0	0	0	0	0
60% Exceedance	0	0	0	245	234	0	0	0	0	-1	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	-1	0	0
80% Exceedance	-1	0	0	0	0	0	0	0	0	0	-1	-1
90% Exceedance	0	0	0	0	0	0	0	0	1	0	0	-1
Full Simulation Period Average[a]	15	-25	81	130	119	80	2	-1	2	-3	-16	-6
Wet Water Years (28%)	28	-34	79	103	74	42	8	-1	0	0	-3	26
Above Normal Water Years (14%)	30	-129	37	184	139	42	-16	0	6	-13	-61	39
Below Normal Water Years (18%)	14	-1	131	167	123	138	13	0	3	0	-38	-55
Dry Water Years (24%)	-1	18	93	127	173	142	0	-1	0	-7	0	-39
Critical Water Years (16%)	0	0	52	97	94	22	0	0	0	0	1	0

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

Table F.2.3-12-2a. Delta-Mendota Canal–California Aqueduct Intertie Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	127	335	368	316	362	287	1	40	39	2	108	152
20% Exceedance	1	315	351	212	274	31	1	1	2	2	41	87
30% Exceedance	1	285	303	1	79	1	1	1	2	2	2	53
40% Exceedance	1	270	1	1	1	1	1	1	2	2	2	2
50% Exceedance	1	44	1	1	1	1	1	1	2	2	2	2
60% Exceedance	1	1	1	1	1	1	1	1	2	1	2	2
70% Exceedance	1	1	1	1	1	1	1	1	2	1	2	2
80% Exceedance	1	1	1	1	1	1	1	1	2	0	1	2
90% Exceedance	0	0	0	0	1	0	0	0	1	0	0	1
Full Simulation Period Average[a]	28	150	124	72	91	53	6	9	8	9	28	43
Wet Water Years (28%)	65	267	150	163	135	73	11	23	22	2	20	40
Above Normal Water Years (14%)	18	249	202	119	148	106	17	1	5	15	79	2
Below Normal Water Years (18%)	21	91	131	52	62	23	1	1	2	16	59	90
Dry Water Years (24%)	14	90	69	1	56	39	1	7	2	15	1	64
Critical Water Years (16%)	1	0	75	0	48	26	1	1	1	1	1	1

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

Table F.2.3-12-2b. Delta-Mendota Canal–California Aqueduct Intertie Flow, Alt2woTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	125	332	364	316	373	291	3	49	37	25	96	157
20% Exceedance	1	313	341	133	315	227	1	1	2	2	48	87
30% Exceedance	1	289	189	1	98	1	1	1	2	2	16	76
40% Exceedance	1	270	1	1	1	1	1	1	2	2	2	2
50% Exceedance	1	240	1	1	1	1	1	1	2	2	2	2
60% Exceedance	1	1	1	1	1	1	1	1	2	2	2	2
70% Exceedance	1	1	1	1	1	1	1	1	2	1	2	2
80% Exceedance	1	1	1	1	1	1	1	1	2	0	1	1
90% Exceedance	1	0	0	0	0	1	1	1	1	0	1	1
Full Simulation Period Average[a]	27	156	110	64	98	73	15	11	7	11	27	46
Wet Water Years (28%)	62	266	151	168	153	123	35	27	20	3	26	44
Above Normal Water Years (14%)	17	241	175	97	204	123	16	6	2	6	77	2
Below Normal Water Years (18%)	21	114	131	19	45	49	12	5	2	9	47	112
Dry Water Years (24%)	13	104	42	1	47	42	1	7	2	32	1	53
Critical Water Years (16%)	1	0	53	0	47	19	1	1	1	1	1	1

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

Table F.2.3-12-2c. Delta-Mendota Canal–California Aqueduct Intertie Flow, Alt2woTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2	-4	-4	0	11	3	2	9	-1	23	-12	6
20% Exceedance	0	-1	-11	-79	40	195	0	0	0	0	6	0
30% Exceedance	0	4	-114	0	19	0	0	0	0	0	14	23
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	196	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	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	1	0	1	1
Full Simulation Period Average[a]	-1	6	-13	-8	7	20	9	2	-1	2	-1	2
Wet Water Years (28%)	-3	-1	1	5	18	49	24	3	-1	1	6	4
Above Normal Water Years (14%)	-1	-7	-27	-23	56	17	-1	4	-3	-9	-2	0
Below Normal Water Years (18%)	0	23	-1	-33	-17	26	11	4	0	-8	-13	22
Dry Water Years (24%)	0	14	-26	0	-9	3	0	1	0	18	0	-11
Critical Water Years (16%)	0	0	-23	0	-2	-7	0	0	0	0	0	0

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

Table F.2.3-12-3a. Delta-Mendota Canal–California Aqueduct Intertie Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	127	335	368	316	362	287	1	40	39	2	108	152
20% Exceedance	1	315	351	212	274	31	1	1	2	2	41	87
30% Exceedance	1	285	303	1	79	1	1	1	2	2	2	53
40% Exceedance	1	270	1	1	1	1	1	1	2	2	2	2
50% Exceedance	1	44	1	1	1	1	1	1	2	2	2	2
60% Exceedance	1	1	1	1	1	1	1	1	2	1	2	2
70% Exceedance	1	1	1	1	1	1	1	1	2	1	2	2
80% Exceedance	1	1	1	1	1	1	1	1	2	0	1	2
90% Exceedance	0	0	0	0	1	0	0	0	1	0	0	1
Full Simulation Period Average[a]	28	150	124	72	91	53	6	9	8	9	28	43
Wet Water Years (28%)	65	267	150	163	135	73	11	23	22	2	20	40
Above Normal Water Years (14%)	18	249	202	119	148	106	17	1	5	15	79	2
Below Normal Water Years (18%)	21	91	131	52	62	23	1	1	2	16	59	90
Dry Water Years (24%)	14	90	69	1	56	39	1	7	2	15	1	64
Critical Water Years (16%)	1	0	75	0	48	26	1	1	1	1	1	1

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

Table F.2.3-12-3b. Delta-Mendota Canal–California Aqueduct Intertie Flow, Alt2woTUCPDeltaVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	125	333	366	316	373	243	1	44	36	9	105	155
20% Exceedance	1	314	346	133	315	1	1	1	2	2	48	86
30% Exceedance	1	289	210	1	94	1	1	1	2	2	24	75
40% Exceedance	1	270	1	1	1	1	1	1	2	2	2	2
50% Exceedance	1	240	1	1	1	1	1	1	2	2	2	2
60% Exceedance	1	1	1	1	1	1	1	1	2	2	2	2
70% Exceedance	1	1	1	1	1	1	1	1	2	1	2	2
80% Exceedance	1	1	1	1	1	1	1	1	2	0	1	1
90% Exceedance	1	0	0	0	0	1	1	1	1	0	1	1
Full Simulation Period Average[a]	27	157	115	66	98	43	3	10	7	11	30	44
Wet Water Years (28%)	62	266	147	174	162	120	1	24	20	3	27	44
Above Normal Water Years (14%)	17	241	170	96	204	18	1	3	4	6	84	2
Below Normal Water Years (18%)	21	123	132	21	46	1	14	5	2	8	52	106
Dry Water Years (24%)	13	99	53	1	47	12	1	9	2	30	5	53
Critical Water Years (16%)	1	0	77	1	24	27	1	1	1	1	1	1

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

Table F.2.3-12-3c. Delta-Mendota Canal–California Aqueduct Intertie Flow, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2	-2	-2	0	11	-44	0	4	-3	8	-3	3
20% Exceedance	0	0	-6	-79	40	-31	0	0	0	0	7	-1
30% Exceedance	0	4	-93	0	15	0	0	0	0	0	22	22
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	196	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	1	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	1	0	1	1
Full Simulation Period Average[a]	-1	6	-9	-6	7	-9	-3	2	-1	1	2	1
Wet Water Years (28%)	-3	-1	-3	10	27	46	-10	0	-2	2	7	4
Above Normal Water Years (14%)	-1	-8	-31	-23	56	-88	-16	1	-1	-9	5	0
Below Normal Water Years (18%)	0	32	0	-32	-16	-22	13	4	0	-8	-7	15
Dry Water Years (24%)	0	9	-16	0	-9	-27	0	3	0	15	4	-11
Critical Water Years (16%)	0	0	2	0	-24	1	0	0	0	0	0	0

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

Table F.2.3-12-4a. Delta-Mendota Canal–California Aqueduct Intertie Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	127	335	368	316	362	287	1	40	39	2	108	152
20% Exceedance	1	315	351	212	274	31	1	1	2	2	41	87
30% Exceedance	1	285	303	1	79	1	1	1	2	2	2	53
40% Exceedance	1	270	1	1	1	1	1	1	2	2	2	2
50% Exceedance	1	44	1	1	1	1	1	1	2	2	2	2
60% Exceedance	1	1	1	1	1	1	1	1	2	1	2	2
70% Exceedance	1	1	1	1	1	1	1	1	2	1	2	2
80% Exceedance	1	1	1	1	1	1	1	1	2	0	1	2
90% Exceedance	0	0	0	0	1	0	0	0	1	0	0	1
Full Simulation Period Average[a]	28	150	124	72	91	53	6	9	8	9	28	43
Wet Water Years (28%)	65	267	150	163	135	73	11	23	22	2	20	40
Above Normal Water Years (14%)	18	249	202	119	148	106	17	1	5	15	79	2
Below Normal Water Years (18%)	21	91	131	52	62	23	1	1	2	16	59	90
Dry Water Years (24%)	14	90	69	1	56	39	1	7	2	15	1	64
Critical Water Years (16%)	1	0	75	0	48	26	1	1	1	1	1	1

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

Table F.2.3-12-4b. Delta-Mendota Canal–California Aqueduct Intertie Flow, Alt2woTUCPAllVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	125	328	364	316	373	249	1	48	37	34	105	169
20% Exceedance	1	314	341	133	325	1	1	1	2	2	49	92
30% Exceedance	1	285	178	1	95	1	1	1	2	2	27	76
40% Exceedance	1	268	1	1	1	1	1	1	2	2	2	2
50% Exceedance	1	237	1	1	1	1	1	1	2	2	2	2
60% Exceedance	1	1	1	1	1	1	1	1	2	2	2	2
70% Exceedance	1	1	1	1	1	1	1	1	2	1	2	2
80% Exceedance	1	1	1	1	1	1	1	1	2	0	1	1
90% Exceedance	1	0	0	0	0	1	1	1	1	0	1	1
Full Simulation Period Average[a]	27	155	109	66	100	44	3	11	7	13	30	47
Wet Water Years (28%)	62	266	151	174	159	115	1	27	20	3	26	44
Above Normal Water Years (14%)	17	239	170	96	204	18	1	3	2	6	86	2
Below Normal Water Years (18%)	21	115	132	20	46	19	12	5	2	13	52	118
Dry Water Years (24%)	13	99	41	1	47	12	1	7	2	36	3	56
Critical Water Years (16%)	1	0	53	0	47	16	1	1	1	1	1	1

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

Table F.2.3-12-4c. Delta-Mendota Canal–California Aqueduct Intertie Flow, Alt2woTUCPAllVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2	-7	-4	0	11	-38	0	8	-1	32	-3	17
20% Exceedance	0	-1	-11	-79	51	-31	0	0	0	0	7	5
30% Exceedance	0	0	-125	0	17	0	0	0	0	0	25	23
40% Exceedance	0	-2	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	193	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	1	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	1	0	1	1
Full Simulation Period Average[a]	-1	5	-14	-6	9	-9	-3	2	-1	4	2	4
Wet Water Years (28%)	-3	-1	1	10	24	41	-10	3	-1	1	7	4
Above Normal Water Years (14%)	-1	-10	-32	-23	56	-88	-16	1	-3	-9	7	0
Below Normal Water Years (18%)	0	24	1	-33	-16	-4	11	4	0	-3	-7	27
Dry Water Years (24%)	-1	9	-28	0	-9	-27	0	1	0	21	2	-7
Critical Water Years (16%)	0	0	-23	0	-1	-9	0	0	0	0	0	0

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

Table F.2.3-12-5a. Delta-Mendota Canal–California Aqueduct Intertie Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	127	335	368	316	362	287	1	40	39	2	108	152
20% Exceedance	1	315	351	212	274	31	1	1	2	2	41	87
30% Exceedance	1	285	303	1	79	1	1	1	2	2	2	53
40% Exceedance	1	270	1	1	1	1	1	1	2	2	2	2
50% Exceedance	1	44	1	1	1	1	1	1	2	2	2	2
60% Exceedance	1	1	1	1	1	1	1	1	2	1	2	2
70% Exceedance	1	1	1	1	1	1	1	1	2	1	2	2
80% Exceedance	1	1	1	1	1	1	1	1	2	0	1	2
90% Exceedance	0	0	0	0	1	0	0	0	1	0	0	1
Full Simulation Period Average[a]	28	150	124	72	91	53	6	9	8	9	28	43
Wet Water Years (28%)	65	267	150	163	135	73	11	23	22	2	20	40
Above Normal Water Years (14%)	18	249	202	119	148	106	17	1	5	15	79	2
Below Normal Water Years (18%)	21	91	131	52	62	23	1	1	2	16	59	90
Dry Water Years (24%)	14	90	69	1	56	39	1	7	2	15	1	64
Critical Water Years (16%)	1	0	75	0	48	26	1	1	1	1	1	1

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

Table F.2.3-12-5b. Delta-Mendota Canal–California Aqueduct Intertie Flow, Alt2wTUCPwoVA, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	125	332	364	316	373	290	3	49	37	9	99	166
20% Exceedance	1	312	341	133	315	227	1	1	2	2	48	92
30% Exceedance	1	287	193	1	106	1	1	1	2	2	16	76
40% Exceedance	1	269	1	1	1	1	1	1	2	2	2	2
50% Exceedance	1	186	1	1	1	1	1	1	2	2	2	2
60% Exceedance	1	1	1	1	1	1	1	1	2	2	2	2
70% Exceedance	1	1	1	1	1	1	1	1	2	1	2	2
80% Exceedance	1	1	1	1	1	1	1	1	2	0	1	1
90% Exceedance	0	0	0	0	0	0	0	0	1	0	0	1
Full Simulation Period Average[a]	27	154	110	64	99	73	14	11	7	11	27	47
Wet Water Years (28%)	62	266	151	168	155	123	35	27	20	3	26	44
Above Normal Water Years (14%)	17	223	176	96	204	123	16	6	2	6	83	2
Below Normal Water Years (18%)	21	113	132	19	45	46	9	5	2	9	40	117
Dry Water Years (24%)	13	105	42	1	47	41	1	7	2	31	1	56
Critical Water Years (16%)	1	0	52	0	47	18	0	1	1	1	1	1

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

Table F.2.3-12-5c. Delta-Mendota Canal–California Aqueduct Intertie Flow, Alt2wTUCPwoVA minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2	-4	-4	0	11	3	2	9	-1	7	-9	15
20% Exceedance	0	-3	-11	-79	40	195	0	0	0	0	6	5
30% Exceedance	0	2	-110	0	27	0	0	0	0	0	14	23
40% Exceedance	0	-1	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	142	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	-1	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	-1	3	-13	-8	8	20	8	2	-1	1	-1	4
Wet Water Years (28%)	-3	-1	1	4	20	49	24	3	-1	1	6	4
Above Normal Water Years (14%)	-1	-26	-26	-23	56	17	-1	4	-3	-9	4	0
Below Normal Water Years (18%)	0	22	1	-34	-17	23	8	4	0	-8	-19	27
Dry Water Years (24%)	0	15	-26	0	-9	3	0	0	0	16	0	-8
Critical Water Years (16%)	0	0	-23	0	-2	-7	0	0	0	0	0	0

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

Table F.2.3-12-6a. Delta-Mendota Canal–California Aqueduct Intertie Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	127	335	368	316	362	287	1	40	39	2	108	152
20% Exceedance	1	315	351	212	274	31	1	1	2	2	41	87
30% Exceedance	1	285	303	1	79	1	1	1	2	2	2	53
40% Exceedance	1	270	1	1	1	1	1	1	2	2	2	2
50% Exceedance	1	44	1	1	1	1	1	1	2	2	2	2
60% Exceedance	1	1	1	1	1	1	1	1	2	1	2	2
70% Exceedance	1	1	1	1	1	1	1	1	2	1	2	2
80% Exceedance	1	1	1	1	1	1	1	1	2	0	1	2
90% Exceedance	0	0	0	0	1	0	0	0	1	0	0	1
Full Simulation Period Average[a]	28	150	124	72	91	53	6	9	8	9	28	43
Wet Water Years (28%)	65	267	150	163	135	73	11	23	22	2	20	40
Above Normal Water Years (14%)	18	249	202	119	148	106	17	1	5	15	79	2
Below Normal Water Years (18%)	21	91	131	52	62	23	1	1	2	16	59	90
Dry Water Years (24%)	14	90	69	1	56	39	1	7	2	15	1	64
Critical Water Years (16%)	1	0	75	0	48	26	1	1	1	1	1	1

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

Table F.2.3-12-6b. Delta-Mendota Canal–California Aqueduct Intertie Flow, Alternative 3, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	209	371	1	360	383	374	1	1	71	2	2	177
20% Exceedance	1	127	1	281	378	167	1	1	2	2	2	2
30% Exceedance	1	1	1	1	145	1	1	1	2	2	2	2
40% Exceedance	1	1	1	1	1	1	1	1	2	2	2	2
50% Exceedance	1	1	1	1	0	0	1	1	1	1	1	1
60% Exceedance	1	1	0	1	0	0	1	1	1	1	1	1
70% Exceedance	0	0	0	0	0	0	0	0	1	1	1	1
80% Exceedance	0	0	0	0	0	0	0	0	1	1	1	1
90% Exceedance	0	0	0	0	0	0	0	0	1	1	1	1
Full Simulation Period Average[a]	38	74	34	78	110	76	1	3	18	7	13	37
Wet Water Years (28%)	56	107	41	188	140	103	1	1	55	21	29	72
Above Normal Water Years (14%)	26	48	51	134	191	161	1	1	17	1	5	1
Below Normal Water Years (18%)	57	114	21	22	73	97	1	11	1	1	22	51
Dry Water Years (24%)	33	68	44	4	102	30	1	1	1	1	1	32
Critical Water Years (16%)	0	0	0	12	42	0	0	0	1	1	0	0

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

Table F.2.3-12-6c. Delta-Mendota Canal–California Aqueduct Intertie Flow, Alternative 3 minus No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	82	36	-367	44	21	87	0	-39	32	0	-106	25
20% Exceedance	0	-188	-351	69	104	135	0	0	0	0	-39	-85
30% Exceedance	0	-284	-302	0	67	0	0	0	0	0	0	-52
40% Exceedance	0	-269	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	-43	0	0	0	-1	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	-1	0	0	-1	0	-1	-1
70% Exceedance	-1	0	0	0	0	-1	-1	-1	-1	0	-1	-1
80% Exceedance	-1	0	0	0	0	0	-1	-1	-1	1	-1	-1
90% Exceedance	0	0	0	0	0	0	0	0	0	1	1	0
Full Simulation Period Average[a]	9	-76	-90	6	19	23	-5	-6	11	-2	-14	-6
Wet Water Years (28%)	-9	-160	-109	25	5	29	-10	-22	34	19	10	31
Above Normal Water Years (14%)	8	-200	-151	15	43	55	-16	0	12	-13	-74	0
Below Normal Water Years (18%)	35	23	-110	-31	11	74	0	10	-1	-15	-37	-39
Dry Water Years (24%)	19	-23	-25	3	46	-8	0	-6	-1	-14	0	-32
Critical Water Years (16%)	0	0	-75	11	-7	-26	0	0	0	0	0	0

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

Table F.2.3-12-7a. Delta-Mendota Canal–California Aqueduct Intertie Flow, No Action Alternative, Monthly Flow (cfs)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	127	335	368	316	362	287	1	40	39	2	108	152
20% Exceedance	1	315	351	212	274	31	1	1	2	2	41	87
30% Exceedance	1	285	303	1	79	1	1	1	2	2	2	53
40% Exceedance	1	270	1	1	1	1	1	1	2	2	2	2
50% Exceedance	1	44	1	1	1	1	1	1	2	2	2	2
60% Exceedance	1	1	1	1	1	1	1	1	2	1	2	2
70% Exceedance	1	1	1	1	1	1	1	1	2	1	2	2
80% Exceedance	1	1	1	1	1	1	1	1	2	0	1	2
90% Exceedance	0	0	0	0	1	0	0	0	1	0	0	1
Full Simulation Period Average[a]	28	150	124	72	91	53	6	9	8	9	28	43
Wet Water Years (28%)	65	267	150	163	135	73	11	23	22	2	20	40
Above Normal Water Years (14%)	18	249	202	119	148	106	17	1	5	15	79	2
Below Normal Water Years (18%)	21	91	131	52	62	23	1	1	2	16	59	90
Dry Water Years (24%)	14	90	69	1	56	39	1	7	2	15	1	64
Critical Water Years (16%)	1	0	75	0	48	26	1	1	1	1	1	1

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

Table F.2.3-12-7b. Delta-Mendota Canal–California Aqueduct Intertie Flow, Alternative 4, Monthly Flow (cfs)

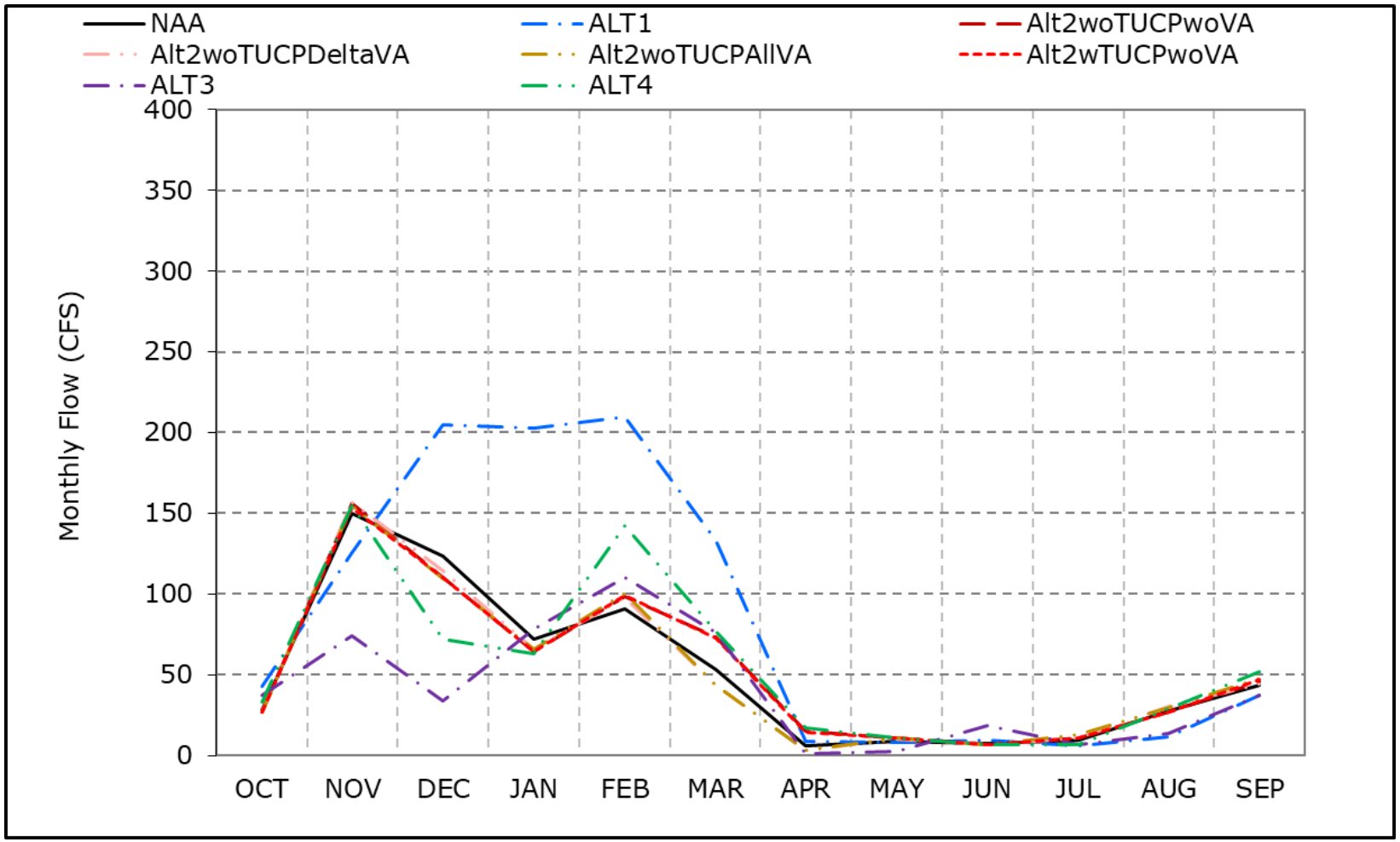
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	133	334	360	312	374	294	28	49	37	2	90	150
20% Exceedance	97	308	142	131	353	227	1	1	2	2	48	95
30% Exceedance	1	286	1	1	313	29	1	1	2	2	33	82
40% Exceedance	1	272	1	1	158	1	1	1	2	2	2	31
50% Exceedance	1	219	1	1	12	1	1	1	2	2	2	2
60% Exceedance	1	1	1	1	1	1	1	1	2	2	2	2
70% Exceedance	1	1	1	1	1	1	1	1	2	1	2	2
80% Exceedance	1	1	1	1	1	1	1	1	2	0	1	1
90% Exceedance	0	0	0	0	0	0	0	0	1	0	0	1
Full Simulation Period Average[a]	33	155	72	63	142	77	17	11	7	7	29	52
Wet Water Years (28%)	78	273	96	151	168	137	48	27	21	2	31	57
Above Normal Water Years (14%)	26	229	120	110	213	126	16	6	2	10	97	8
Below Normal Water Years (18%)	20	108	61	11	100	43	7	5	2	8	35	89
Dry Water Years (24%)	13	102	48	13	142	39	1	5	2	15	1	78
Critical Water Years (16%)	1	0	34	0	82	25	0	1	1	1	1	1

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

Table F.2.3-12-7c. Delta-Mendota Canal–California Aqueduct Intertie Flow, Alternative 4 minus No Action Alternative, Monthly Flow (cfs)

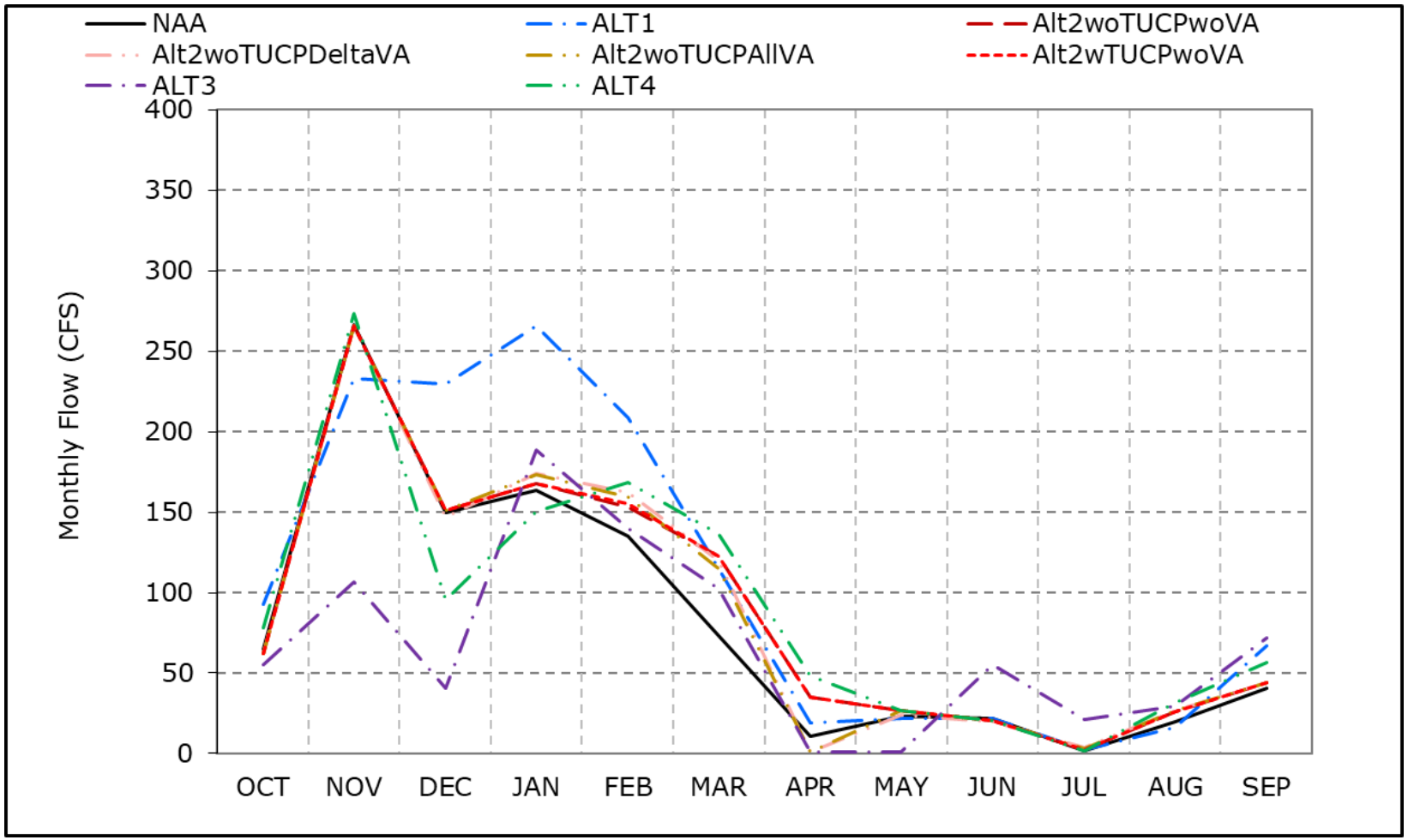
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7	-1	-8	-4	12	7	27	9	-1	0	-19	-1
20% Exceedance	96	-6	-210	-81	78	196	0	0	0	0	7	8
30% Exceedance	0	1	-302	0	234	28	0	0	0	0	31	29
40% Exceedance	0	2	0	0	157	0	0	0	0	0	0	30
50% Exceedance	0	175	0	0	11	0	0	0	0	0	0	0
60% Exceedance	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	-1	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	5	5	-51	-9	51	24	11	2	-1	-2	1	9
Wet Water Years (28%)	14	7	-54	-13	34	64	37	3	-1	0	12	16
Above Normal Water Years (14%)	8	-20	-82	-9	65	21	-1	4	-3	-5	18	7
Below Normal Water Years (18%)	-1	17	-70	-41	38	20	6	4	0	-9	-24	-1
Dry Water Years (24%)	0	12	-21	12	86	1	0	-1	0	0	0	15
Critical Water Years (16%)	0	0	-41	0	34	-1	0	0	0	0	0	0

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



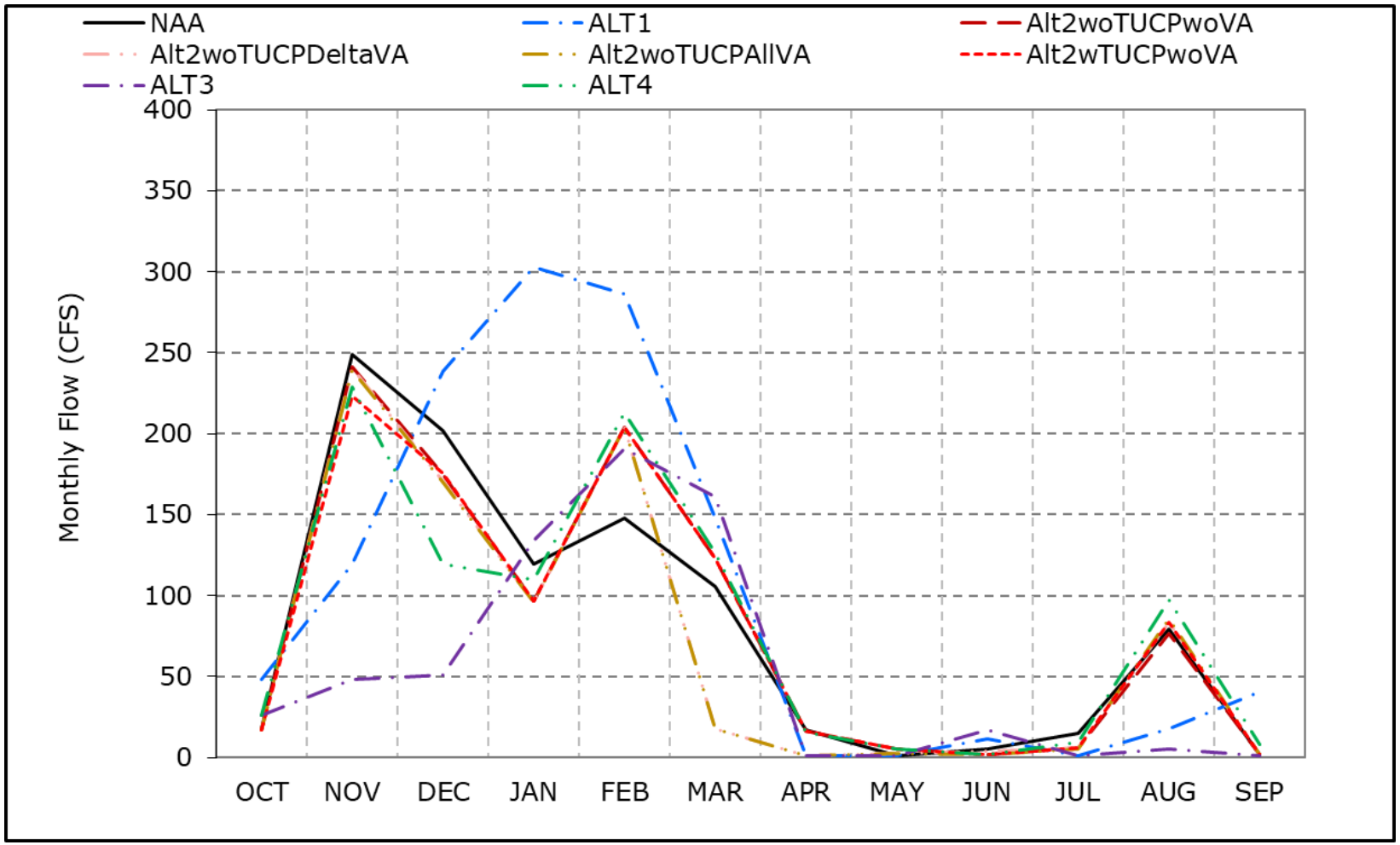
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-12-1. Delta-Mendota Canal–California Aqueduct Intertie Flow, Long-Term Average Flow



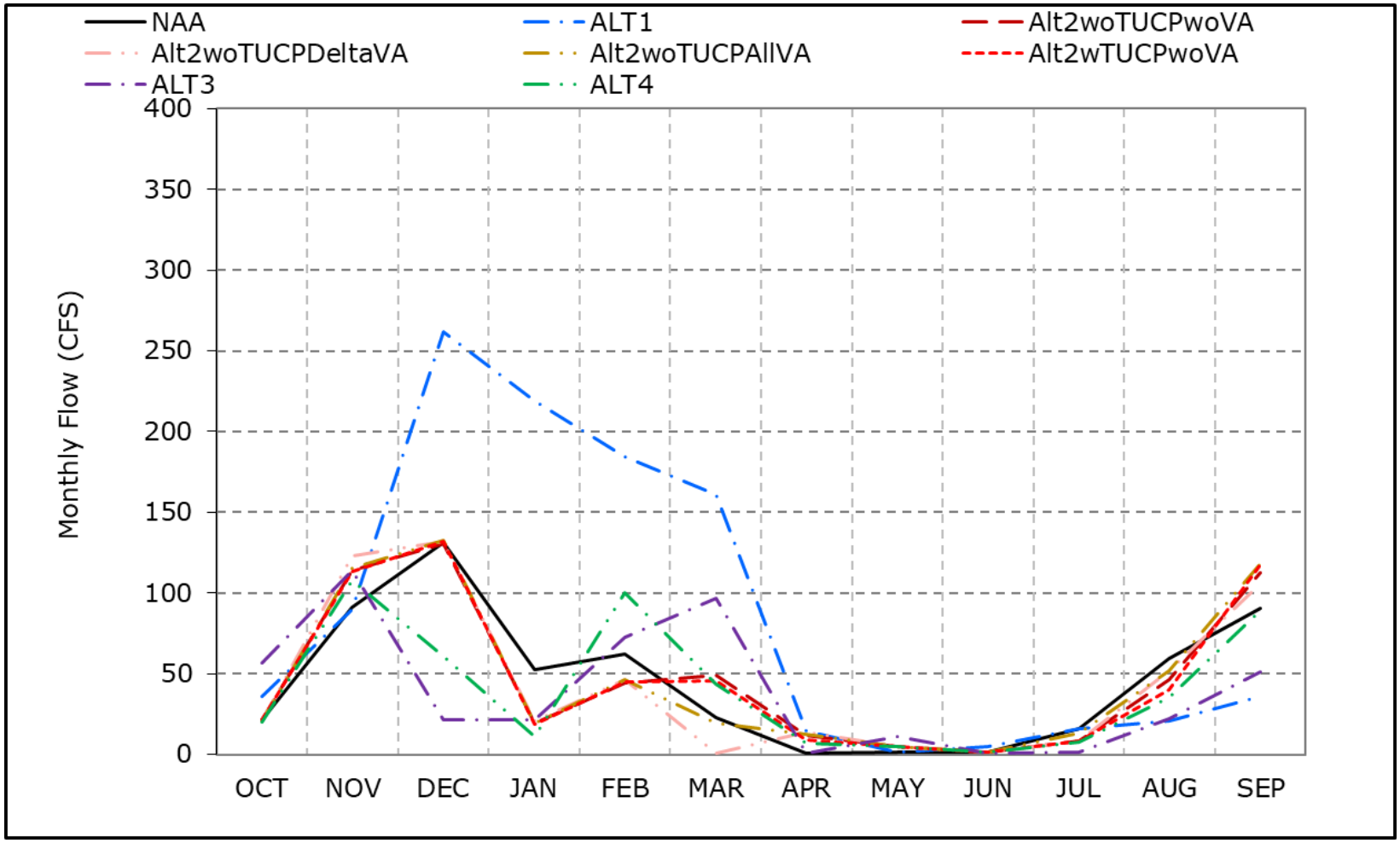
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-12-2. Delta-Mendota Canal–California Aqueduct Intertie Flow, Wet Year Average Flow



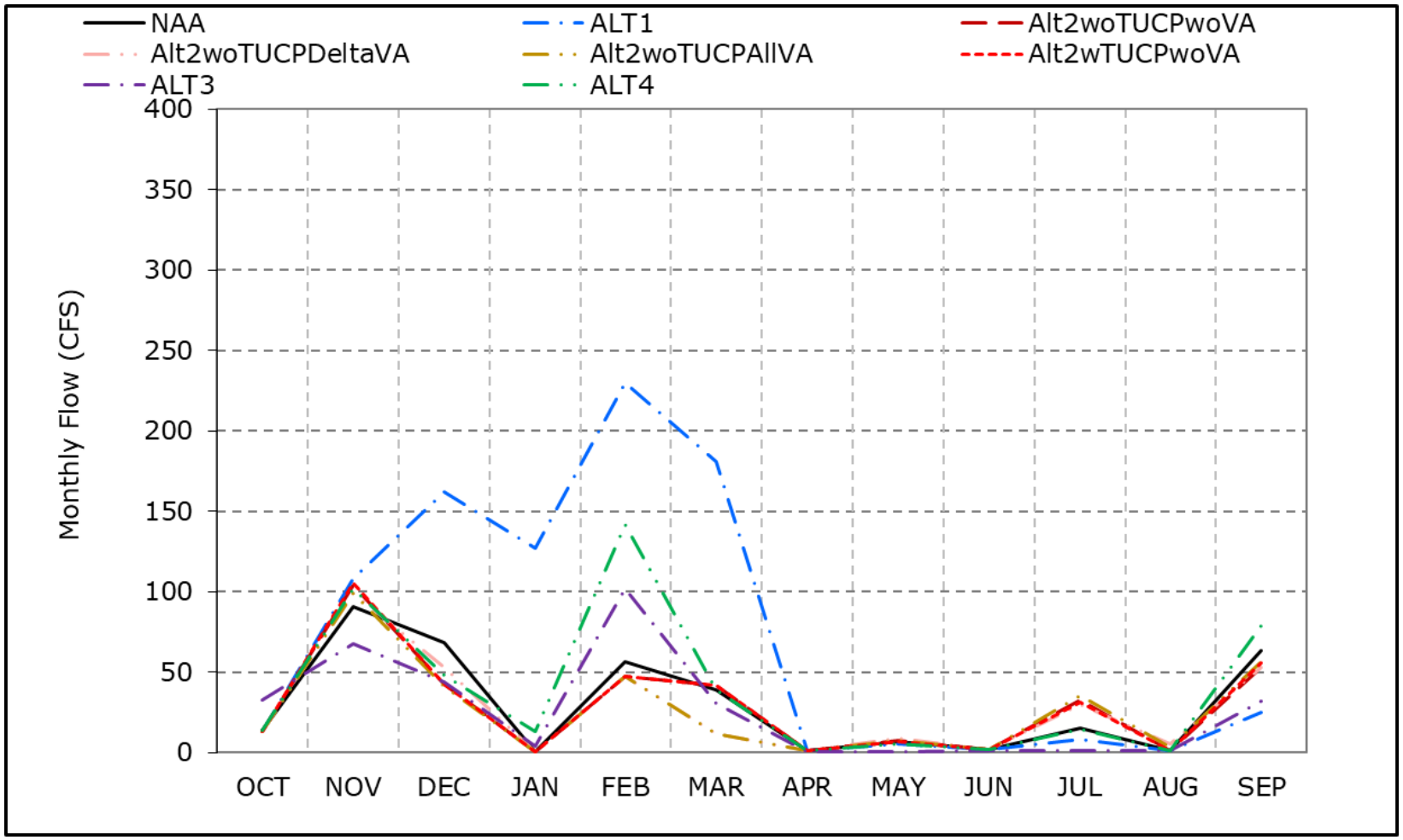
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-12-3. Delta-Mendota Canal–California Aqueduct Intertie Flow, Above Normal Year Average Flow



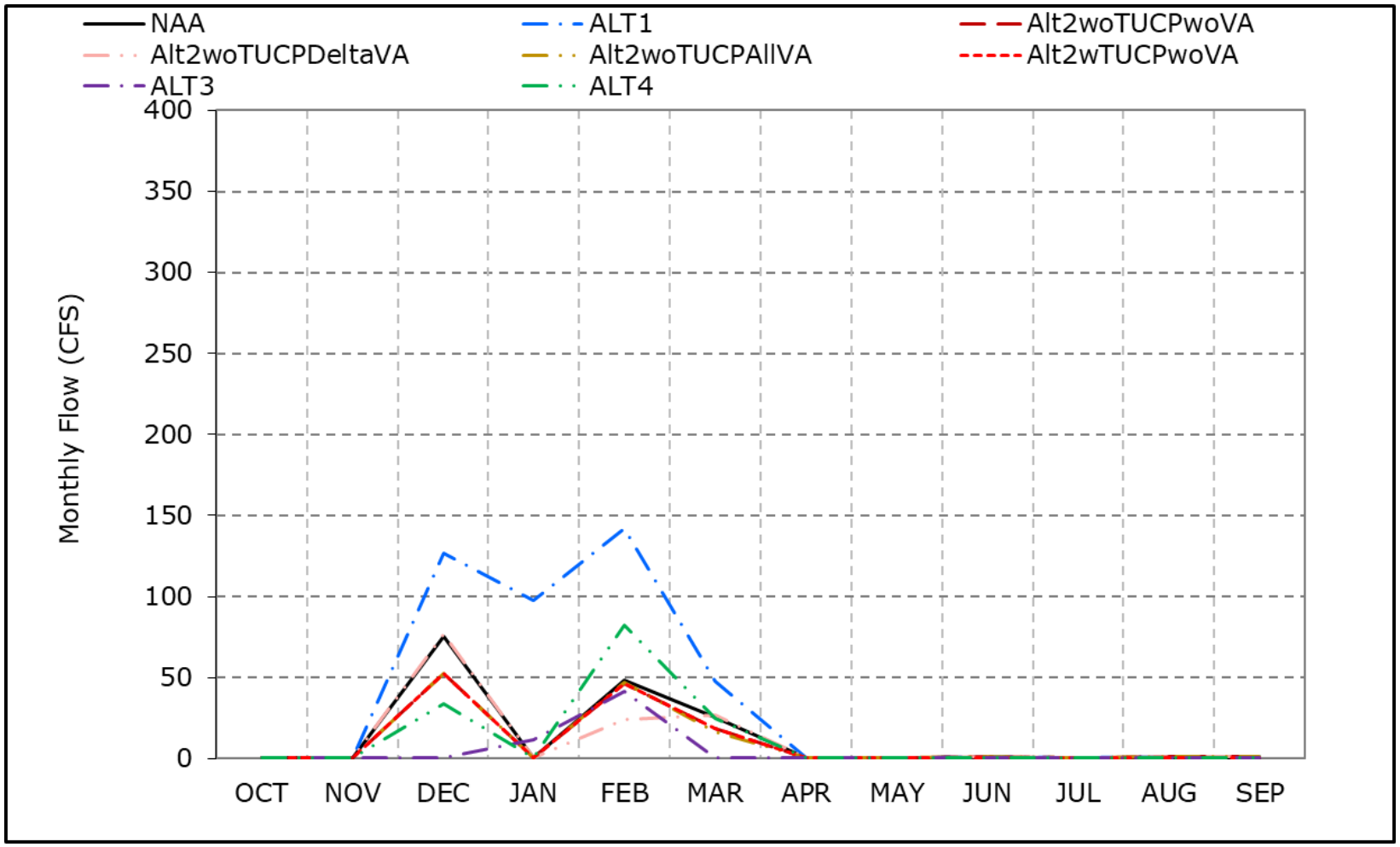
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-12-4. Delta-Mendota Canal–California Aqueduct Intertie Flow, Below Normal Year Average Flow



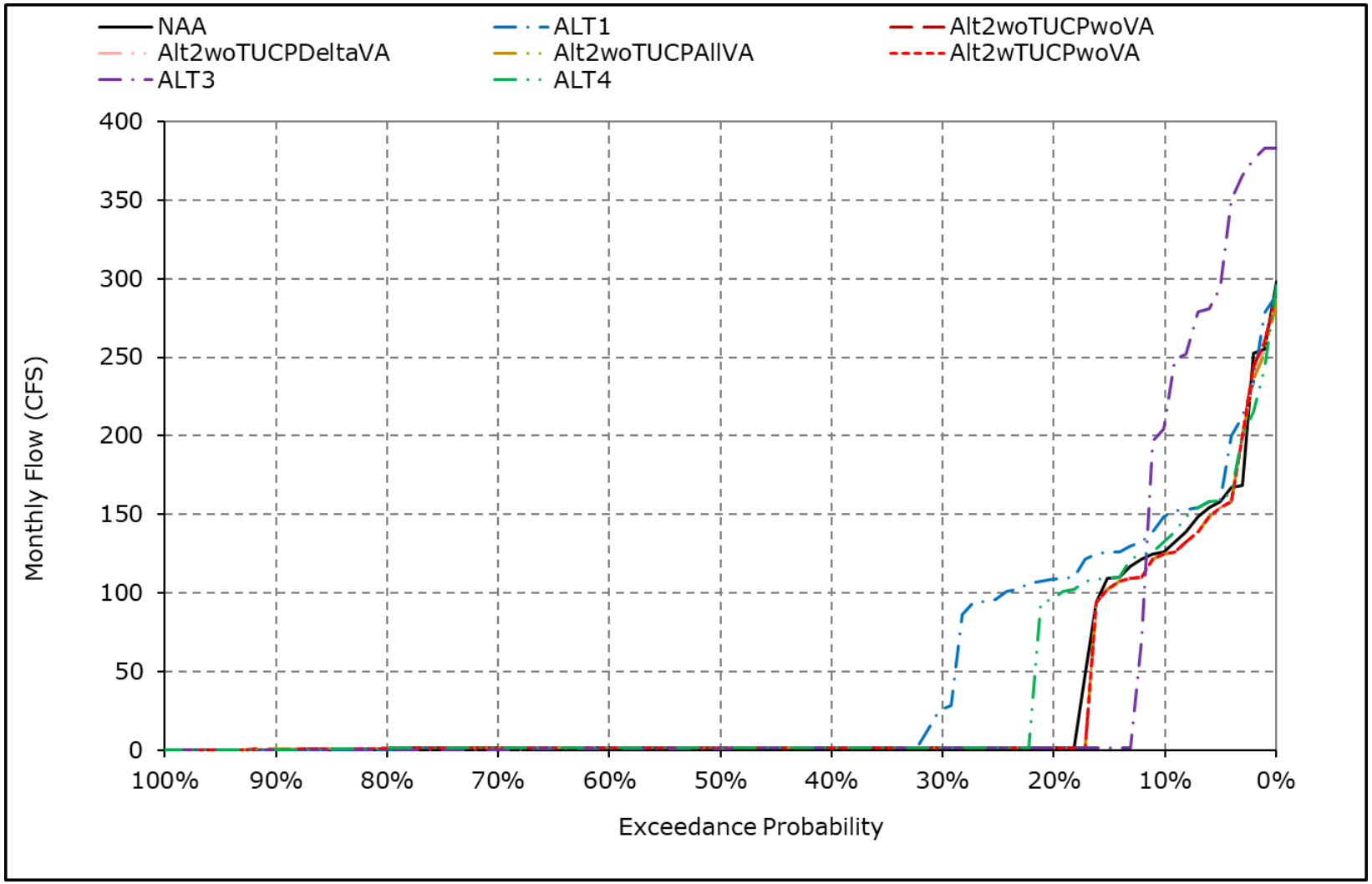
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-12-5. Delta-Mendota Canal–California Aqueduct Intertie Flow, Dry Year Average Flow



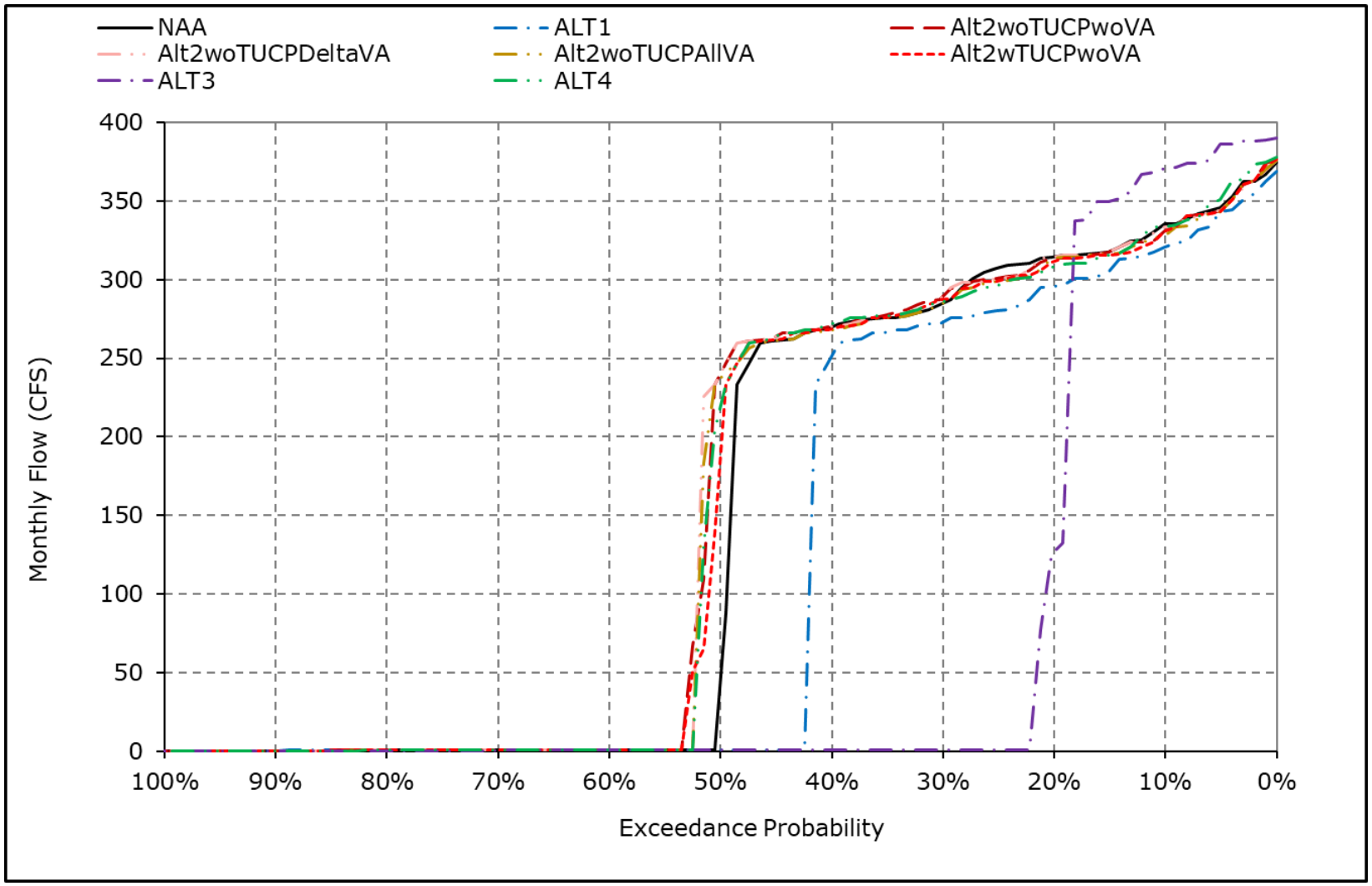
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). Water year types results are displayed with calendar year-year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea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

Figure F.2.3-12-6. Delta-Mendota Canal–California Aqueduct Intertie Flow, Critical Year Average Flow



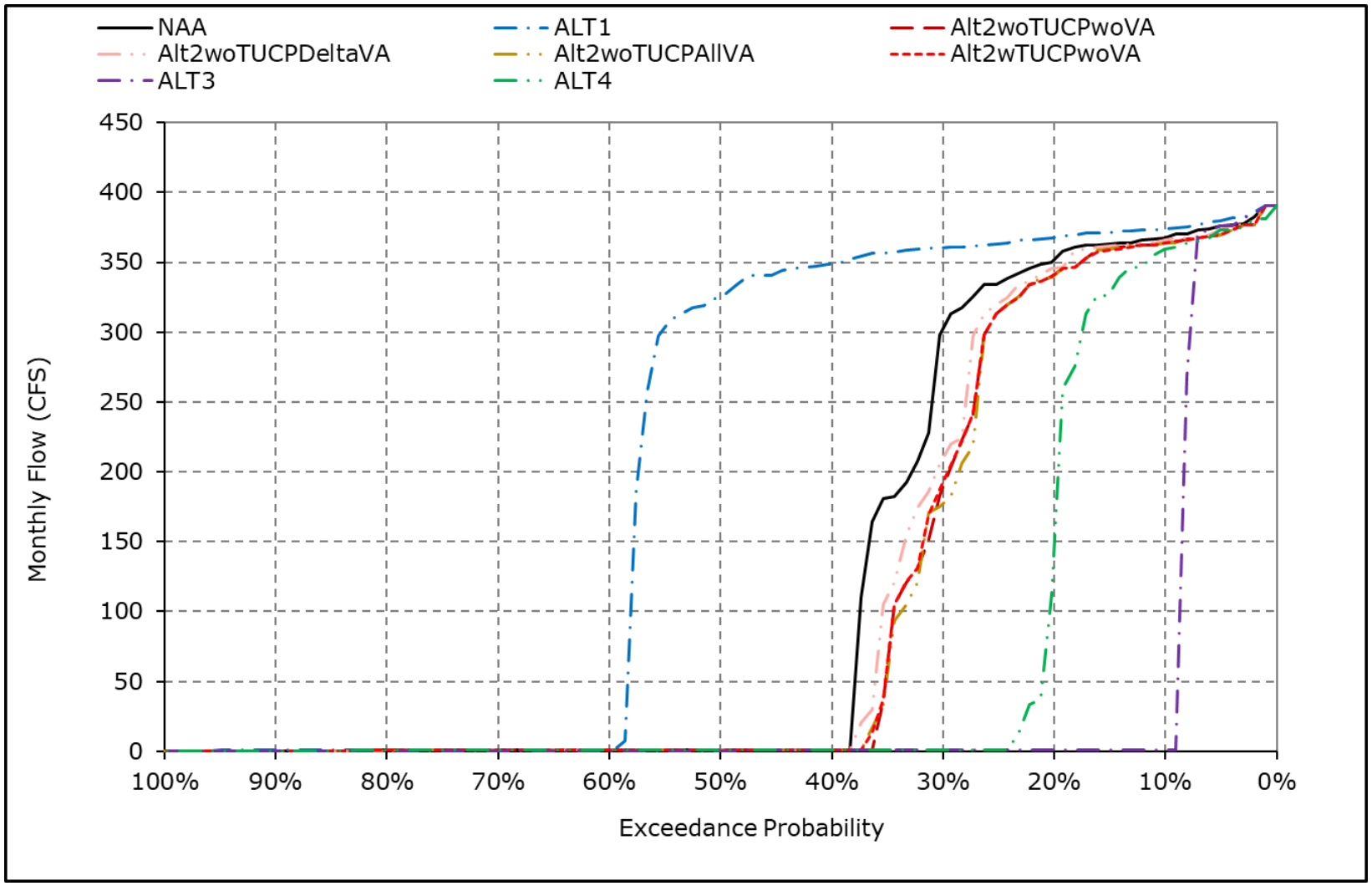
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-12-7. Delta-Mendota Canal–California Aqueduct Intertie Flow, October



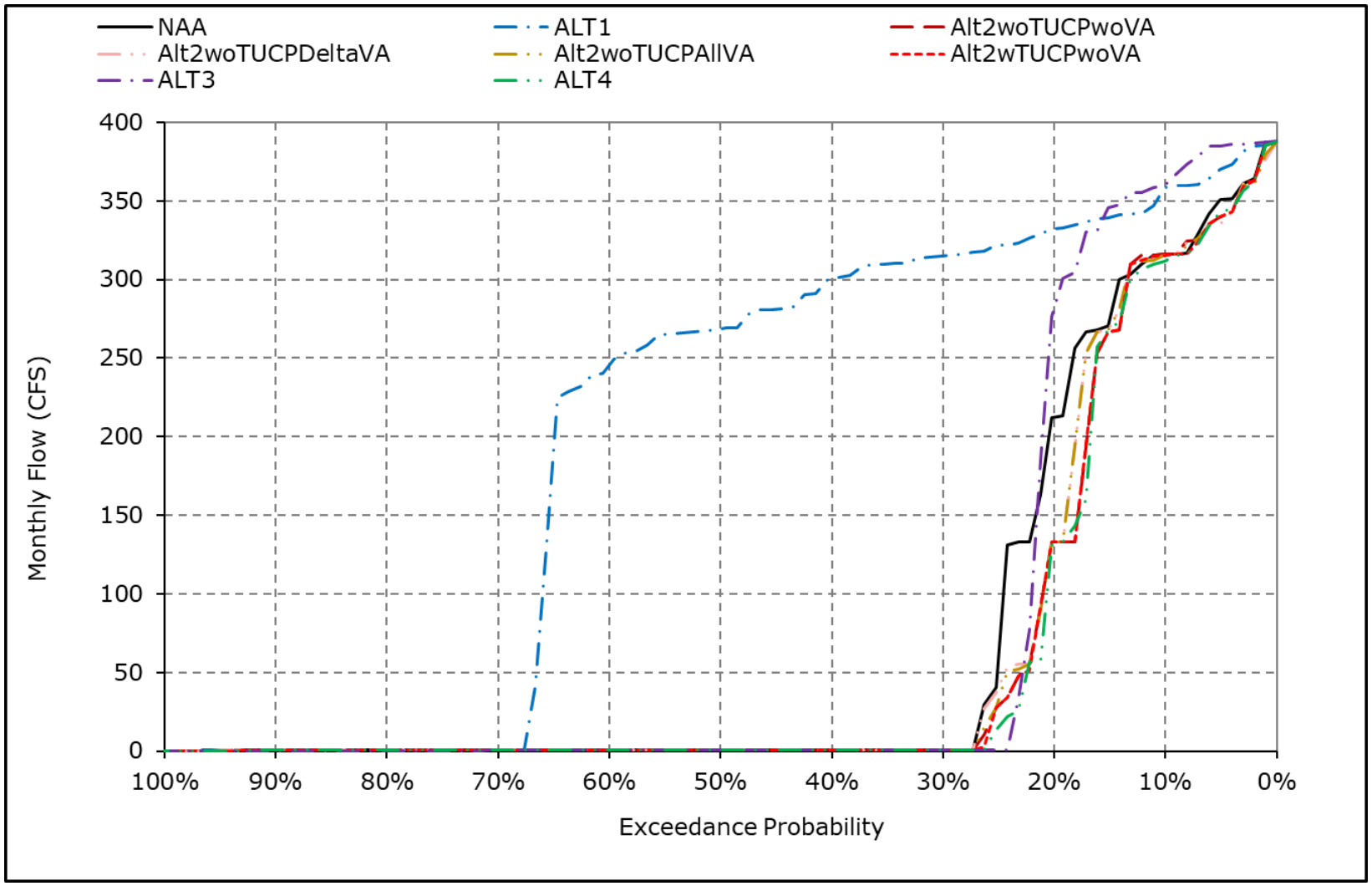
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-12-8. Delta-Mendota Canal–California Aqueduct Intertie Flow, November



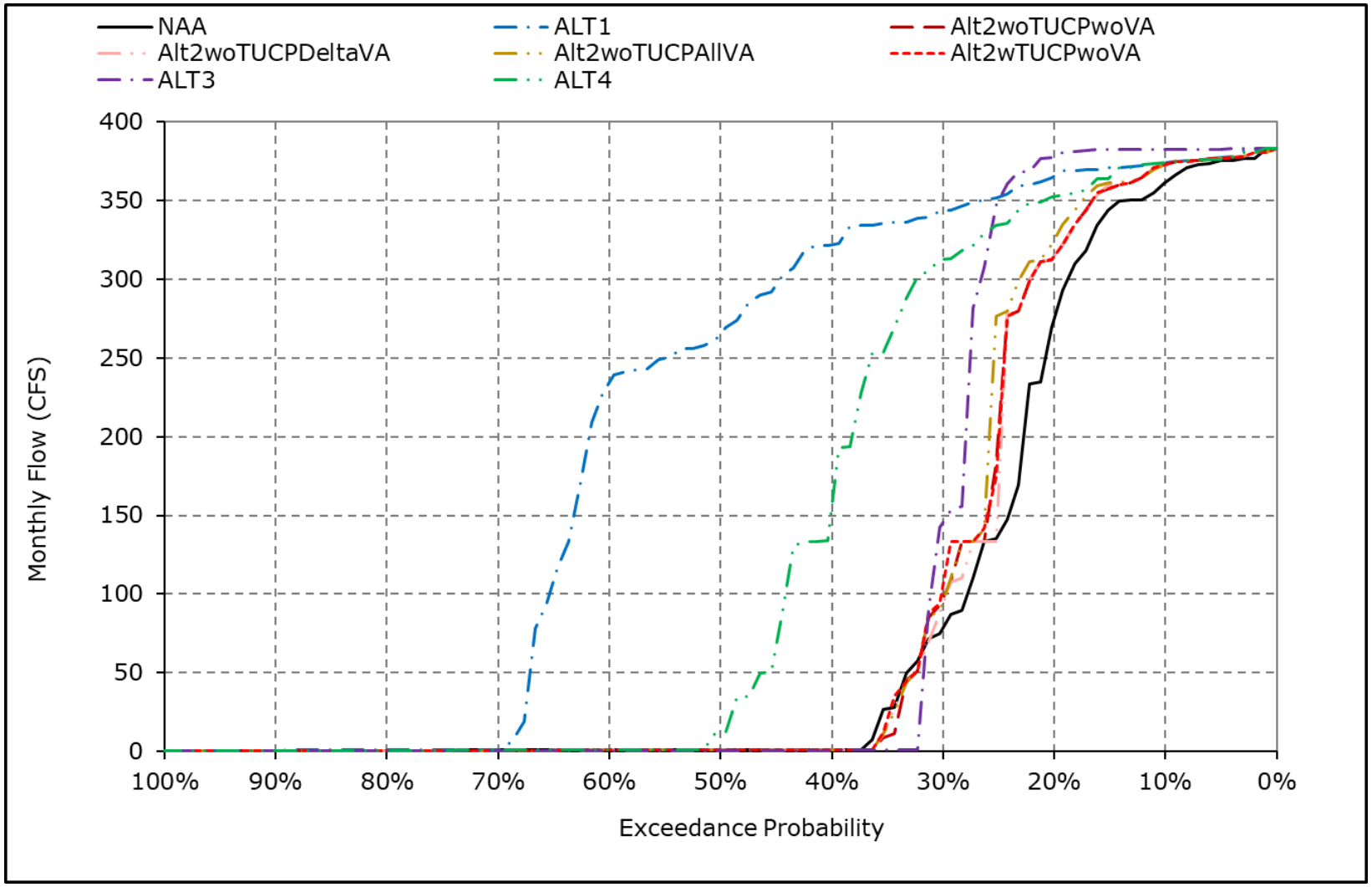
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-12-9. Delta-Mendota Canal–California Aqueduct Intertie Flow, December



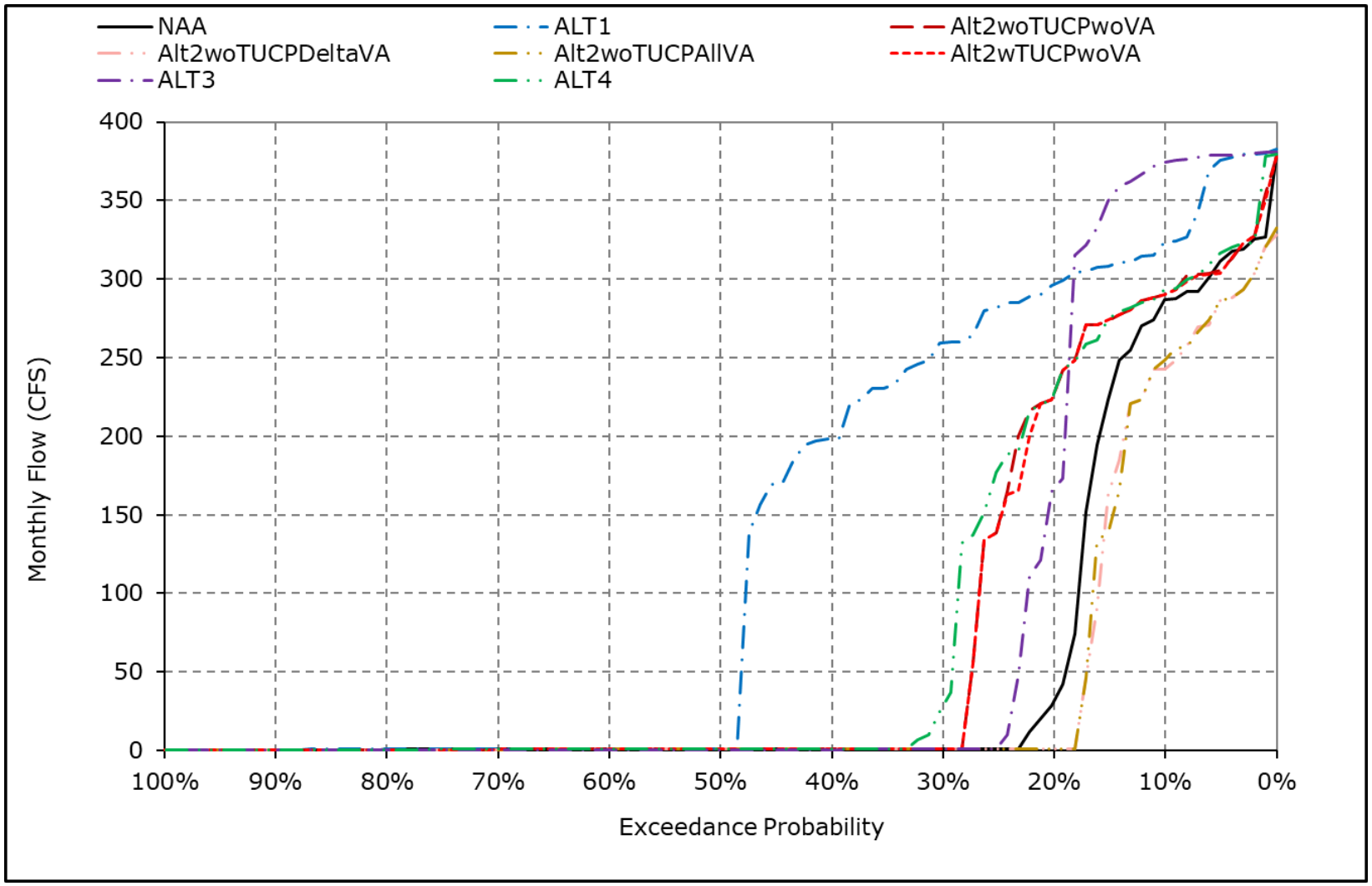
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-12-10. Delta-Mendota Canal–California Aqueduct Intertie Flow, January



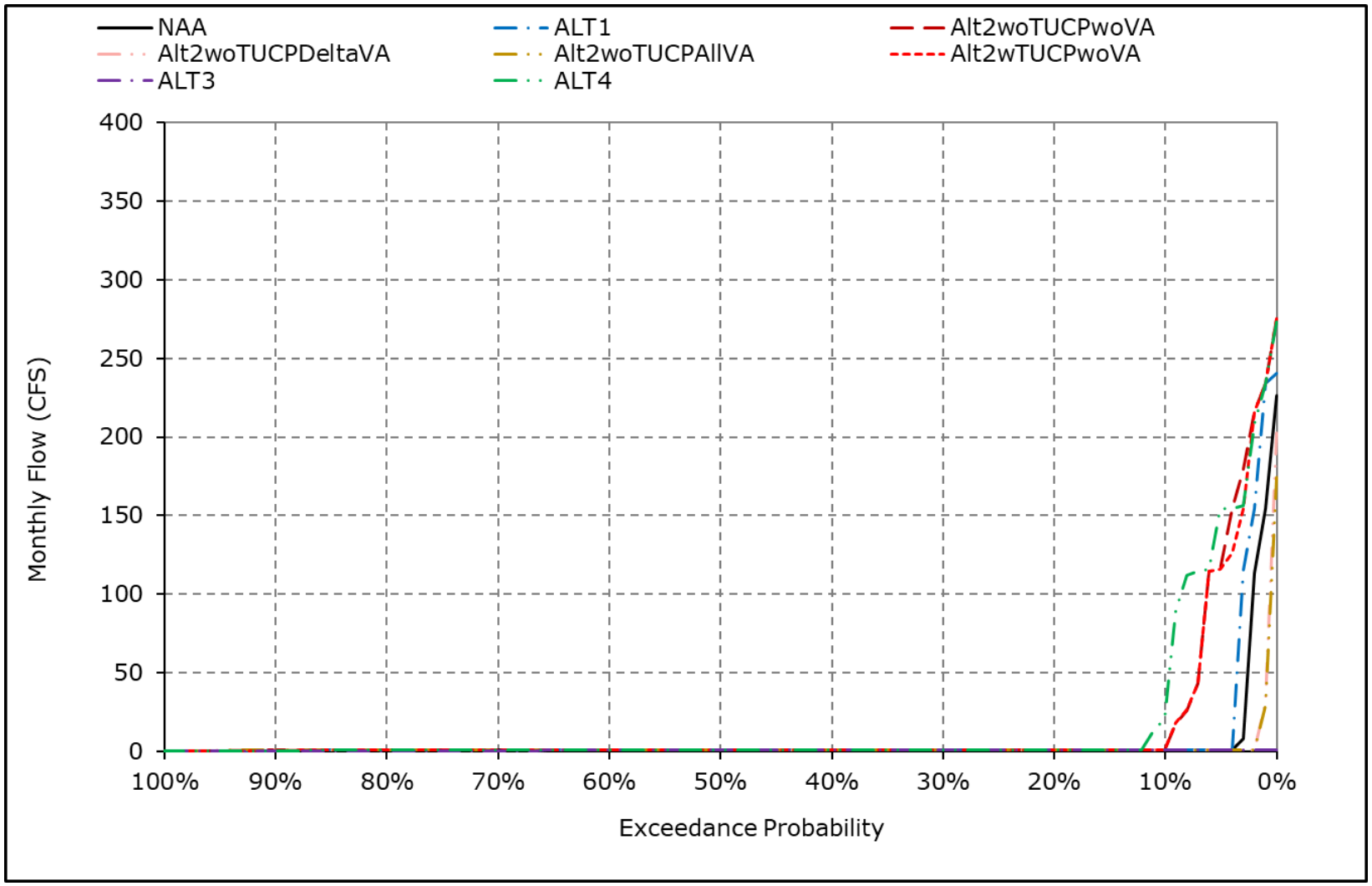
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-12-11. Delta-Mendota Canal–California Aqueduct Intertie Flow, February



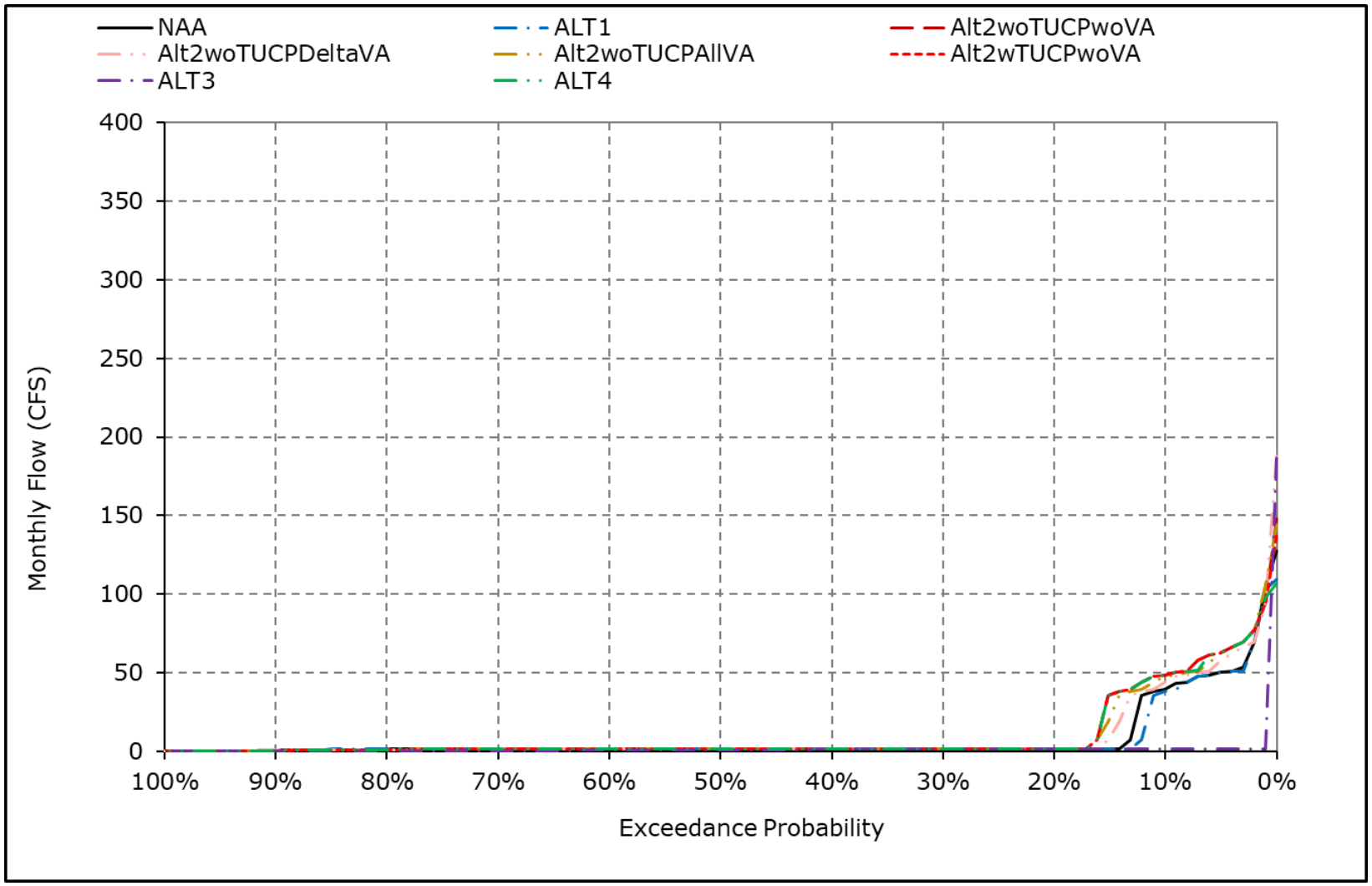
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-12-12. Delta-Mendota Canal–California Aqueduct Intertie Flow, March



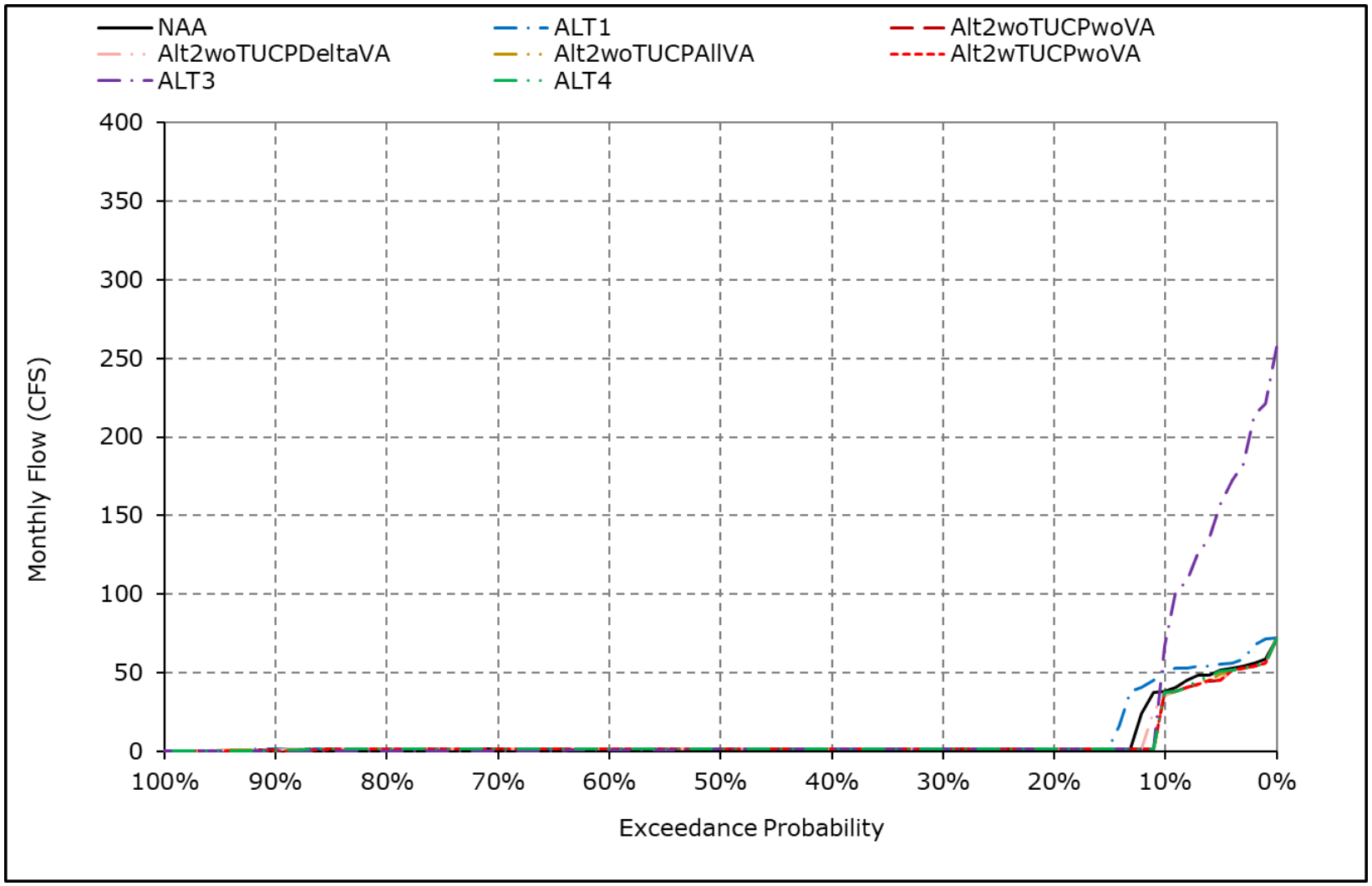
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-12-13. Delta-Mendota Canal–California Aqueduct Intertie Flow, April



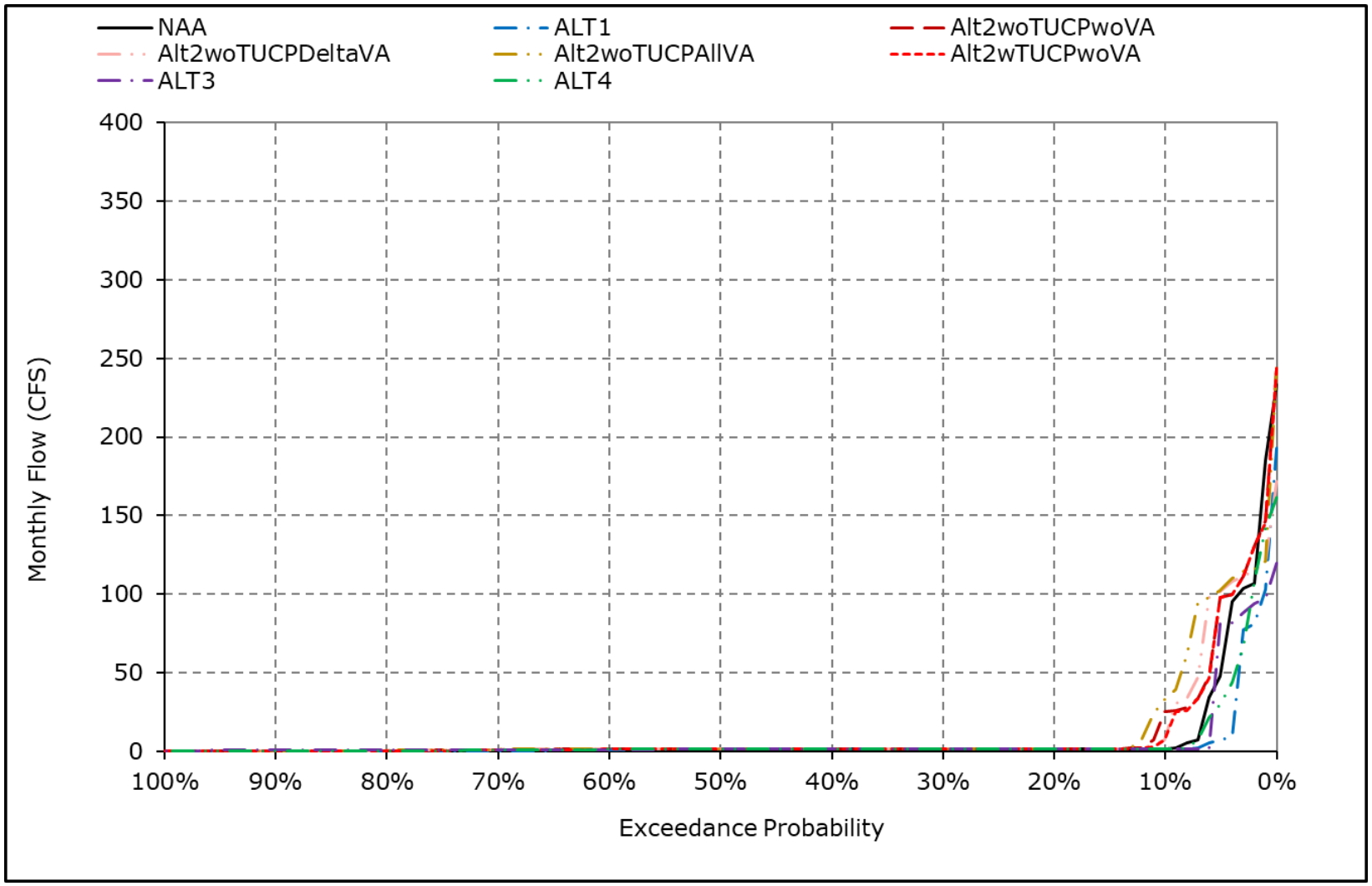
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-12-14. Delta-Mendota Canal–California Aqueduct Intertie Flow, May



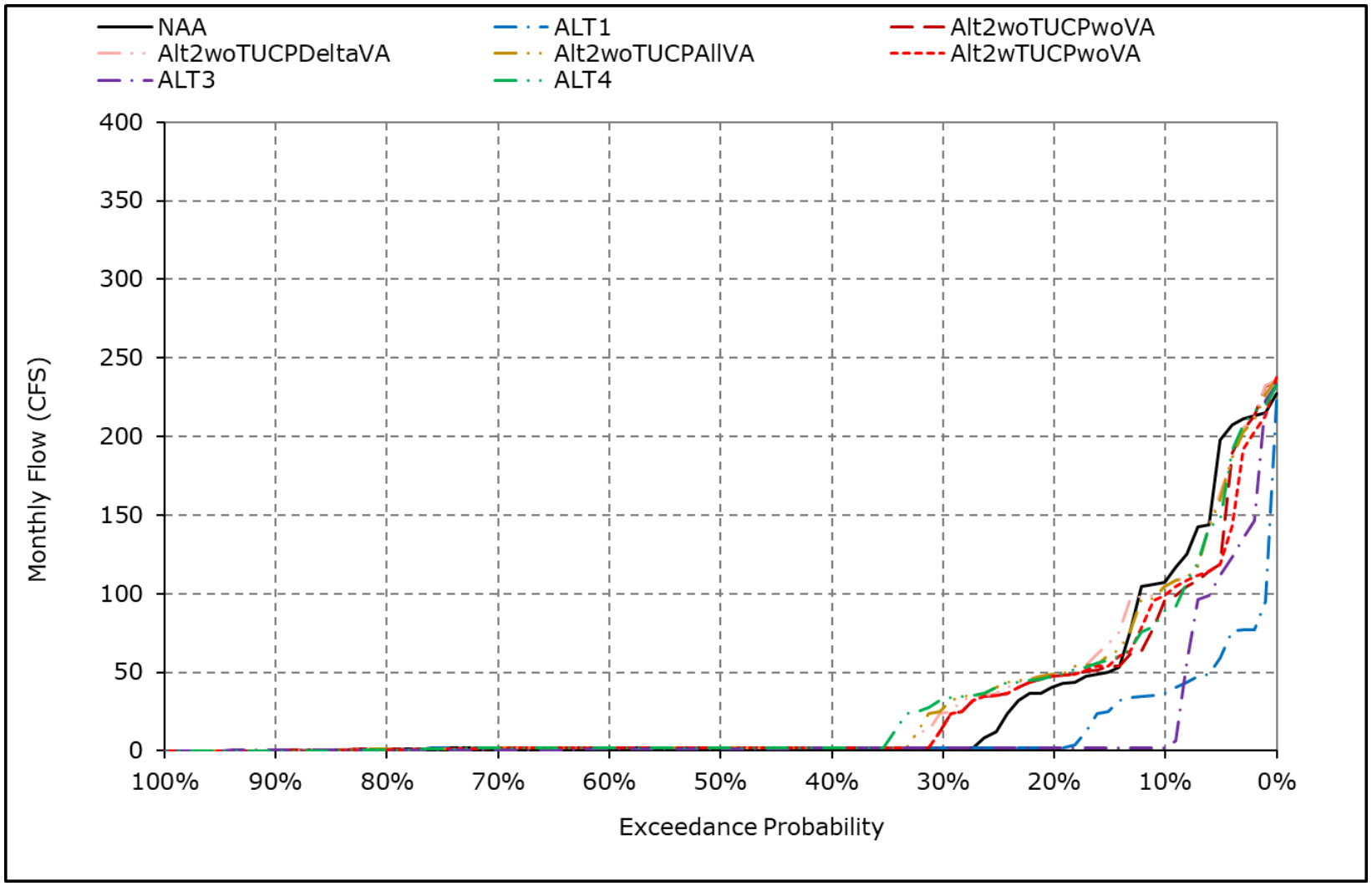
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-12-15. Delta-Mendota Canal–California Aqueduct Intertie Flow, June



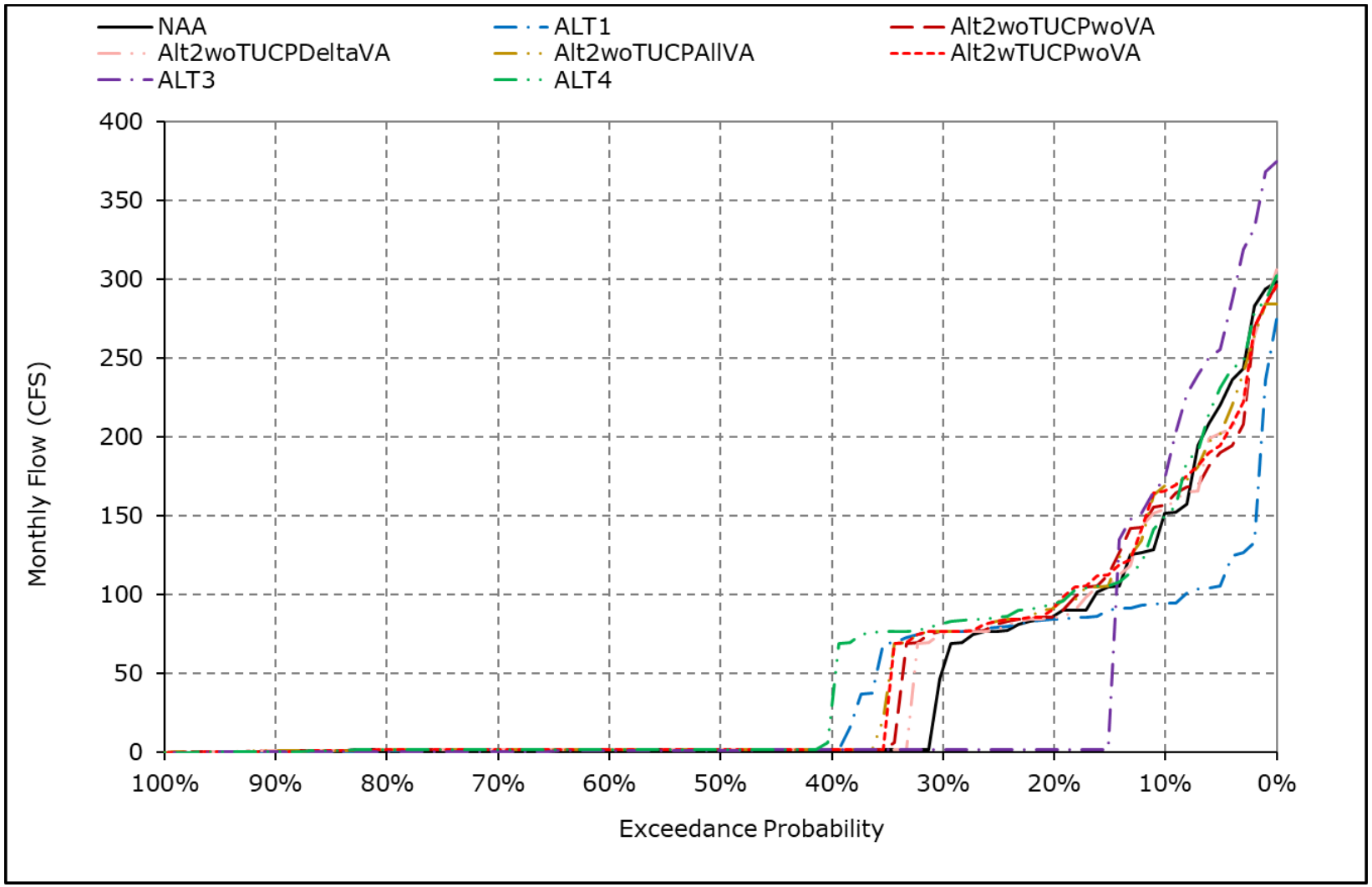
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.3-12-16. Delta-Mendota Canal–California Aqueduct Intertie Flow, July



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

Figure F.2.3-12-17. Delta-Mendota Canal–California Aqueduct Intertie Flow, August



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise. Figure F.2.3-12-18. Delta-Mendota Canal–California Aqueduct Intertie Flow, September

Figure F.2.3-12-18. Delta-Mendota Canal–California Aqueduct Intertie Flow, September

Appendix F, Modeling

Attachment F.2-4 CalSim 3—Water Supply

F.2-4.1 Results

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

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

Table F.2.4-1. CalSim Water Supply Summary Report

Section	Table Numbers	Figure Numbers
CalSim Water Supply Summary Report	F.2.4-1 to F.2.4-14	F.2.4-1 to F.2.4-9
Total Delta Exports	–	F.2.4-10

F.2-4.2 Report Formats

Reports include tables comparing water supply of two alternatives (water supply by region and type, and water supply by type). Annual exceedance charts including all alternatives.

Table F.2.4-1. CalSim 3 Water Summary Report, by Region and Type, Long-Term Average and Dry and Critical Year Averages

Water Supply Reliability				Alt1	NOACTION	Alt1 minus NOACTION
SACRAMENTO RIVER HYDROLOGIC REGION						
CVP Settlement	Contract Delivery (annual average)	(TAF/year)	Long Term	1,831	1,830	0
			Dry and Critical	1,779	1,779	0
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	182	183	-1
			Dry and Critical	173	176	-3
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	103	102	1
			Dry and Critical	86	84	2
CVP Ag	Contract Delivery (annual average - does not include Settlement	(TAF/year)	Long Term	316	311	6
			Dry and Critical	208	194	13
SWP FRSA	Contract Delivery (annual average)	(TAF/year)	Long Term	1,086	1,088	-2
			Dry and Critical	1,035	1,039	-4
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	43	40	2
			Dry and Critical	33	30	4
SAN JOAQUIN RIVER HYDROLOGIC REGION (NOT INCLUDING FRIANT-KERN AND MADERA CANAL WATER USERS)						
CVP Exchange	Contract Delivery (annual average)	(TAF/year)	Long Term	808	806	2
			Dry and Critical	756	750	6
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	257	256	1
			Dry and Critical	238	236	2
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	14	13	1
			Dry and Critical	11	10	1

Water Supply Reliability				Alt1	NOACTION	Alt1 minus NOACTION
CVP Ag	Contract Delivery (annual average; does not include Exchange	(TAF/year)	Long Term	534	477	57
			Dry and Critical	275	210	65
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	3	3	1
			Dry and Critical	2	2	1
SAN FRANCISCO BAY HYDROLOGIC REGION						
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	273	265	8
			Dry and Critical	266	254	12
CVP Ag	Contract Delivery (annual average)	(TAF/year)	Long Term	48	43	5
			Dry and Critical	24	17	7
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	216	180	36
			Dry and Critical	136	111	25
CENTRAL COAST HYDROLOGIC REGION						
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	46	36	10
			Dry and Critical	29	20	9
TULARE LAKE HYDROLOGIC REGION (NOT INCLUDING FRIANT-KERN CANAL WATER USERS)						
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	14	14	0
			Dry and Critical	13	12	0
CVP Ag	Contract Delivery (annual average - includes Cross Valley Canal)	(TAF/year)	Long Term	671	583	88
			Dry and Critical	329	237	92
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	96	71	25
			Dry and Critical	51	35	16
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	823	555	267
			Dry and Critical	425	272	153

Water Supply Reliability				Alt1	NOACTION	Alt1 minus NOACTION
SOUTH LAHONTAN HYDROLOGIC REGION						
SWP M&I	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	280	228	52
			Dry and Critical	192	131	60
SOUTH COAST HYDROLOGIC REGION						
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	1,567	1,151	416
			Dry and Critical	857	586	270
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	10	7	3
			Dry and Critical	5	3	2
TOTAL FOR ALL REGIONS						
Total Supplies	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	9,220	8,241	980
			Dry and Critical	6,921	6,187	734

CVP = Central Valley Project; SWP = State Water Project; M&I = municipal and industrial; Ag = Agricultural; FRSA = Feather River Service Allocation; TAF = thousand acre-feet.
Long-term average is the average quantity for the period of October 1921–September 2021. Dry and critical year average is the average quantity for the combination of the State Water Resources Control Board D-1641 40-30-30 dry and critical dry years for the period of October 1921–September 2021.

Table F.2.4-2. CalSim 3 Water Supply Summary Report, by Type, Long-Term Average and Dry and Critical Year Averages

Water Supply Reliability				Alt1	NOACTION	Alt1 minus NOACTION
NORTH OF DELTA						
CVP Ag	Contract Delivery (annual average; does not include Exchange	(TAF/year)	Long Term	316	311	6
			Dry and Critical	208	194	13
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	254	253	1
			Dry and Critical	259	256	3
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	0	0	0
			Dry and Critical	0	0	0
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	106	104	1
			Dry and Critical	81	79	1
Total CVP North of Delta						
Total CVP Ag and M&I	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term	571	564	7
			Dry and Critical	466	450	16
Total SWP North of Delta						
Total SWP Ag and M&I	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term	106	104	1
			Dry and Critical	81	79	1
Total North of Delta						
Total Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	676	668	8
			Dry and Critical	547	530	17

Water Supply Reliability				Alt1	NOACTION	Alt1 minus NOACTION
SOUTH OF DELTA						
CVP Ag	Contract Delivery (annual average; does not include Exchange	(TAF/year)	Long Term	1,253	1,102	151
			Dry and Critical	627	463	164
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	136	128	8
			Dry and Critical	103	91	12
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	836	565	271
			Dry and Critical	432	277	155
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	2,141	1,601	540
			Dry and Critical	1,217	834	384
Total CVP South of Delta						
Total CVP Ag and M&I	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term	1,389	1,230	159
			Dry and Critical	731	554	176
Total SWP South of Delta						
Total SWP Ag and M&I	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term	2,977	2,165	811
			Dry and Critical	1,649	1,110	539
Total South of Delta						
Total Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	4,366	3,396	970
			Dry and Critical	2,380	1,665	715

CVP = Central Valley Project; SWP = State Water Project; M&I = municipal and industrial; Ag = Agricultural; TAF = thousand acre-feet.
Long-term average is the average quantity for the period of October 1921–September 2021. Dry and critical year average is the average quantity for the combination of the State Water Resources Control Board D-1641 40-30-30 dry and critical dry years for the period of October 1921–September 2021.

Table F.2.4-3. CalSim 3 Water Summary Report, by Region and Type, Long-Term Average and Dry and Critical Year Averages

Water Supply Reliability				Alt2woTUCPwoVA	NOACTION	Alt2woTUCPwoVA minus NOACTION
SACRAMENTO RIVER HYDROLOGIC REGION						
CVP Settlement	Contract Delivery (annual average)	(TAF/year)	Long Term	1,793	1,830	-37
			Dry and Critical	1,686	1,779	-93
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	181	183	-2
			Dry and Critical	172	176	-4
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	102	102	0
			Dry and Critical	84	84	0
CVP Ag	Contract Delivery (annual average - does not include Settlement)	(TAF/year)	Long Term	295	311	-16
			Dry and Critical	164	194	-30
SWP FRSA	Contract Delivery (annual average)	(TAF/year)	Long Term	1,084	1,088	-3
			Dry and Critical	1,031	1,039	-9
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	40	40	0
			Dry and Critical	29	30	-1
SAN JOAQUIN RIVER HYDROLOGIC REGION (NOT INCLUDING FRIANT-KERN AND MADERA CANAL WATER USERS)						
CVP Exchange	Contract Delivery (annual average)	(TAF/year)	Long Term	808	806	2
			Dry and Critical	756	750	6
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	257	256	1
			Dry and Critical	238	236	2
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	13	13	0
			Dry and Critical	10	10	0

Water Supply Reliability				Alt2woTUCPwoVA	NOACTION	Alt2woTUCPwoVA minus NOACTION
CVP Ag	Contract Delivery (annual average; does not include Exchange)	(TAF/year)	Long Term	473	477	-4
			Dry and Critical	196	210	-13
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	3	3	0
			Dry and Critical	2	2	0
SAN FRANCISCO BAY HYDROLOGIC REGION						
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	267	265	1
			Dry and Critical	257	254	3
CVP Ag	Contract Delivery (annual average)	(TAF/year)	Long Term	42	43	0
			Dry and Critical	16	17	-1
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	185	180	5
			Dry and Critical	112	111	1
CENTRAL COAST HYDROLOGIC REGION						
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	37	36	1
			Dry and Critical	20	20	0
TULARE LAKE HYDROLOGIC REGION (NOT INCLUDING FRIANT-KERN CANAL WATER USERS)						
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	14	14	0
			Dry and Critical	13	12	1
CVP Ag	Contract Delivery (annual average; includes Cross Valley Canal)	(TAF/year)	Long Term	580	583	-3
			Dry and Critical	219	237	-18
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	73	71	2
			Dry and Critical	35	35	0
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	578	555	22
			Dry and Critical	271	272	-1

Water Supply Reliability				Alt2woTUCPwoVA	NOACTION	Alt2woTUCPwoVA minus NOACTION
SOUTH LAHONTAN HYDROLOGIC REGION						
SWP M&I	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	238	228	10
			Dry and Critical	137	131	6
SOUTH COAST HYDROLOGIC REGION						
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	1,193	1,151	42
			Dry and Critical	590	586	4
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	7	7	0
			Dry and Critical	3	3	0
TOTAL FOR ALL REGIONS						
Total Supplies	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	8,263	8,241	22
			Dry and Critical	6,040	6,187	-147

CVP = Central Valley Project; SWP = State Water Project; M&I = municipal and industrial; Ag = Agricultural; FRSA = Feather River Service Allocation; TAF = thousand acre-feet.

Long-term average is the average quantity for the period of October 1921–September 2021. Dry and critical year average is the average quantity for the combination of the State Water Resources Control Board D-1641 40-30-30 dry and critical dry years for the period of October 1921–September 2021.

Table F.2.4-4. CalSim 3 Water Supply Summary Report, by Type, Long-Term Average and Dry and Critical Year Averages

Water Supply Reliability				Alt2woTUCPwoVA	NOACTION	Alt2woTUCPwoVA minus NOACTION
NORTH OF DELTA						
CVP Ag	Contract Delivery (annual average; does not include Exchange	(TAF/year)	Long Term	295	311	-16
			Dry and Critical	164	194	-30
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	253	253	0
			Dry and Critical	257	256	1
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	0	0	0
			Dry and Critical	0	0	0
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	104	104	0
			Dry and Critical	79	79	-1
Total CVP North of Delta						
Total CVP Ag and M&I	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term	548	564	-16
			Dry and Critical	421	450	-29
Total SWP North of Delta						
Total SWP Ag and M&I	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term	104	104	0
			Dry and Critical	79	79	-1
Total North of Delta						
Total Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	652	668	-16
			Dry and Critical	500	530	-30

Water Supply Reliability				Alt2woTUCPwoVA	NOACTION	Alt2woTUCPwoVA minus NOACTION
SOUTH OF DELTA						
CVP Ag	Contract Delivery (annual average; does not include Exchange	(TAF/year)	Long Term	1,096	1,102	-7
			Dry and Critical	431	463	-32
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	129	128	1
			Dry and Critical	94	91	3
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	587	565	23
			Dry and Critical	276	277	-1
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	1,661	1,601	61
			Dry and Critical	845	834	11
Total CVP South of Delta						
Total CVP Ag and M&I	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term	1,224	1,230	-6
			Dry and Critical	525	554	-29
Total SWP South of Delta						
Total SWP Ag and M&I	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term	2,249	2,165	83
			Dry and Critical	1,120	1,110	10
Total South of Delta						
Total Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	3,473	3,396	78
			Dry and Critical	1,646	1,665	-19

CVP = Central Valley Project; SWP = State Water Project; M&I = municipal and industrial; Ag = Agricultural; TAF = thousand acre-feet.
Long-term average is the average quantity for the period of October 1921–September 2021. Dry and critical year average is the average quantity for the combination of the State Water Resources Control Board D-1641 40-30-30 dry and critical dry years for the period of October 1921–September 2021. All scenarios are simulated at the 2022 median climate.

Table F.2.4-5. CalSim 3 Water Summary Report, by Region and Type, Long-Term Average and Dry and Critical Year Averages

Water Supply Reliability				Alt2wTUCP woVA	NOACTION	Alt2wTUCP woVA minus NOACTION
SACRAMENTO RIVER HYDROLOGIC REGION						
CVP Settlement	Contract Delivery (annual average)	(TAF/year)	Long Term	1,794	1,830	-37
			Dry and Critical	1,688	1,779	-91
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	183	183	-1
			Dry and Critical	175	176	-2
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	102	102	-1
			Dry and Critical	82	84	-2
CVP Ag	Contract Delivery (annual average - does not include Settlement	(TAF/year)	Long Term	298	311	-13
			Dry and Critical	167	194	-27
SWP FRSA	Contract Delivery (annual average)	(TAF/year)	Long Term	1,087	1,088	-1
			Dry and Critical	1,037	1,039	-3
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	41	40	1
			Dry and Critical	30	30	0
SAN JOAQUIN RIVER HYDROLOGIC REGION (NOT INCLUDING FRIANT-KERN AND MADERA CANAL WATER USERS)						
CVP Exchange	Contract Delivery (annual average)	(TAF/year)	Long Term	807	806	1
			Dry and Critical	752	750	3
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	256	256	0
			Dry and Critical	237	236	1
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	13	13	0
			Dry and Critical	9	10	0

Water Supply Reliability				Alt2wTUCP woVA	NOACTION	Alt2wTUCP woVA minus NOACTION
CVP Ag	Contract Delivery (annual average; does not include Exchange	(TAF/year)	Long Term	473	477	-4
			Dry and Critical	186	210	-24
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	3	3	0
			Dry and Critical	2	2	0
SAN FRANCISCO BAY HYDROLOGIC REGION						
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	264	265	-1
			Dry and Critical	251	254	-3
CVP Ag	Contract Delivery (annual average)	(TAF/year)	Long Term	42	43	-1
			Dry and Critical	15	17	-2
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	186	180	6
			Dry and Critical	114	111	3
CENTRAL COAST HYDROLOGIC REGION						
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	38	36	2
			Dry and Critical	21	20	1
TULARE LAKE HYDROLOGIC REGION (NOT INCLUDING FRIANT-KERN CANAL WATER USERS)						
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	14	14	0
			Dry and Critical	13	12	1
CVP Ag	Contract Delivery (annual average - includes Cross Valley Canal)	(TAF/year)	Long Term	579	583	-4
			Dry and Critical	204	237	-33
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	74	71	3
			Dry and Critical	36	35	0
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	583	555	28
			Dry and Critical	277	272	5

Water Supply Reliability				Alt2wTUCP woVA	NOACTION	Alt2wTUCP woVA minus NOACTION
SOUTH LAHONTAN HYDROLOGIC REGION						
SWP M&I	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	240	228	12
			Dry and Critical	141	131	9
SOUTH COAST HYDROLOGIC REGION						
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	1,205	1,151	54
			Dry and Critical	603	586	16
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	7	7	0
			Dry and Critical	3	3	0
TOTAL FOR ALL REGIONS						
Total Supplies	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	8,286	8,241	46
			Dry and Critical	6,041	6,187	-146

CVP = Central Valley Project; SWP = State Water Project; M&I = municipal and industrial; Ag = Agricultural; FRSA = Feather River Service Allocation; TAF = thousand acre-feet.

Long-term average is the average quantity for the period of October 1921–September 2021. Dry and critical year average is the average quantity for the combination of the State Water Resources Control Board D-1641 40-30-30 dry and critical dry years for the period of October 1921–September 2021. All scenarios are simulated at the 2022 median climate.

Table F.2.4-6. CalSim 3 Water Supply Summary Report, by Type, Long-Term Average and Dry and Critical Year Averages

Water Supply Reliability				Alt2wTUCP woVA	NOACTION	Alt2wTUCP woVA minus NOACTION
NORTH OF DELTA						
CVP Ag	Contract Delivery (annual average; does not include Exchange	(TAF/year)	Long Term	298	311	-13
			Dry and Critical	167	194	-27
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	252	253	-1
			Dry and Critical	253	256	-3
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	0	0	0
			Dry and Critical	0	0	0
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	105	104	1
			Dry and Critical	80	79	1
Total CVP North of Delta						
Total CVP Ag and M&I	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term	550	564	-14
			Dry and Critical	420	450	-30
Total SWP North of Delta						
Total SWP Ag and M&I	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term	105	104	1
			Dry and Critical	80	79	1
Total North of Delta						
Total Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	655	668	-13
			Dry and Critical	501	530	-29

Water Supply Reliability				Alt2wTUCP woVA	NOACTION	Alt2wTUCP woVA minus NOACTION
SOUTH OF DELTA						
CVP Ag	Contract Delivery (annual average; does not include Exchange	(TAF/year)	Long Term	1,094	1,102	-8
			Dry and Critical	404	463	-59
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	127	128	-1
			Dry and Critical	89	91	-2
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	593	565	28
			Dry and Critical	282	277	5
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	1,677	1,601	76
			Dry and Critical	863	834	29
Total CVP South of Delta						
Total CVP Ag and M&I	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term	1,221	1,230	-9
			Dry and Critical	494	554	-61
Total SWP South of Delta						
Total SWP Ag and M&I	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term	2,270	2,165	105
			Dry and Critical	1,145	1,110	34
Total South of Delta						
Total Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	3,491	3,396	95
			Dry and Critical	1,638	1,665	-26

CVP = Central Valley Project; SWP = State Water Project; M&I = municipal and industrial; Ag = Agricultural; TAF = thousand acre-feet.
Long-term average is the average quantity for the period of October 1921–September 2021. Dry and critical year average is the average quantity for the combination of the State Water Resources Control Board D-1641 40-30-30 dry and critical dry years for the period of October 1921–September 2021. All scenarios are simulated at the 2022 median climate.

Table F.2.4-7. CalSim 3 Water Summary Report, by Region and Type, Long-Term Average and Dry and Critical Year Averages

Water Supply Reliability				Alt2woTUCP DeltaVA	NOACTION	Alt2woTUCP DeltaVA minus NOACTION
SACRAMENTO RIVER HYDROLOGIC REGION						
CVP Settlement	Contract Delivery (annual average)	(TAF/year)	Long Term	1,799	1,830	-31
			Dry and Critical	1,691	1,779	-88
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	181	183	-2
			Dry and Critical	171	176	-5
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	112	102	10
			Dry and Critical	93	84	9
CVP Ag	Contract Delivery (annual average - does not include Settlement	(TAF/year)	Long Term	296	311	-15
			Dry and Critical	169	194	-26
SWP FRSA	Contract Delivery (annual average)	(TAF/year)	Long Term	1,077	1,088	-11
			Dry and Critical	1,012	1,039	-28
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	40	40	0
			Dry and Critical	29	30	-1
SAN JOAQUIN RIVER HYDROLOGIC REGION (NOT INCLUDING FRIANT-KERN AND MADERA CANAL WATER USERS)						
CVP Exchange	Contract Delivery (annual average)	(TAF/year)	Long Term	808	806	2
			Dry and Critical	755	750	6
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	257	256	1
			Dry and Critical	238	236	2
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	13	13	0
			Dry and Critical	10	10	1

Water Supply Reliability				Alt2woTUCP DeltaVA	NOACTION	Alt2woTUCP DeltaVA minus NOACTION
CVP Ag	Contract Delivery (annual average; does not include Exchange	(TAF/year)	Long Term	440	477	-37
			Dry and Critical	178	210	-32
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	3	3	0
			Dry and Critical	2	2	0
SAN FRANCISCO BAY HYDROLOGIC REGION						
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	267	265	2
			Dry and Critical	260	254	6
CVP Ag	Contract Delivery (annual average)	(TAF/year)	Long Term	41	43	-1
			Dry and Critical	16	17	-1
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	185	180	5
			Dry and Critical	113	111	2
CENTRAL COAST HYDROLOGIC REGION						
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	37	36	1
			Dry and Critical	21	20	1
TULARE LAKE HYDROLOGIC REGION (NOT INCLUDING FRIANT-KERN CANAL WATER USERS)						
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	14	14	0
			Dry and Critical	13	12	0
CVP Ag	Contract Delivery (annual average - includes Cross Valley Canal)	(TAF/year)	Long Term	541	583	-41
			Dry and Critical	207	237	-30
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	72	71	1
			Dry and Critical	34	35	-1

Water Supply Reliability				Alt2woTUCP DeltaVA	NOACTION	Alt2woTUCP DeltaVA minus NOACTION
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	575	555	20
			Dry and Critical	275	272	2
SOUTH LAHONTAN HYDROLOGIC REGION						
SWP M&I	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	241	228	13
			Dry and Critical	143	131	12
SOUTH COAST HYDROLOGIC REGION						
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	1,186	1,151	36
			Dry and Critical	590	586	4
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	7	7	0
			Dry and Critical	3	3	0
TOTAL FOR ALL REGIONS						
Total Supplies	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	8,193	8,241	-47
			Dry and Critical	6,021	6,187	-166

CVP = Central Valley Project; SWP = State Water Project; M&I = municipal and industrial; Ag = Agricultural; FRSA = Feather River Service Allocation; TAF = thousand acre-feet.
Long-term average is the average quantity for the period of October 1921–September 2021. Dry and critical year average is the average quantity for the combination of the State Water Resources Control Board D-1641 40-30-30 dry and critical dry years for the period of October 1921–September 2021. All scenarios are simulated at the 2022 median climate.

Table F.2.4-8. CalSim 3 Water Supply Summary Report, by Type, Long-Term Average and Dry and Critical Year Averages

Water Supply Reliability				Alt2woTUCP DeltaVA	NOACTION	Alt2woTUCP DeltaVA minus NOACTION
NORTH OF DELTA						
CVP Ag	Contract Delivery (annual average; does not include Exchange	(TAF/year)	Long Term	296	311	-15
			Dry and Critical	169	194	-26
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	264	253	11
			Dry and Critical	267	256	11
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	0	0	0
			Dry and Critical	0	0	0
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	104	104	0
			Dry and Critical	78	79	-1
Total CVP North of Delta						
Total CVP Ag and M&I	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term	559	564	-4
			Dry and Critical	435	450	-15
Total SWP North of Delta						
Total SWP Ag and M&I	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term	104	104	0
			Dry and Critical	78	79	-1
Total North of Delta						
Total Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	663	668	-5
			Dry and Critical	514	530	-16

Water Supply Reliability				Alt2woTUCP DeltaVA	NOACTION	Alt2woTUCP DeltaVA minus NOACTION
SOUTH OF DELTA						
CVP Ag	Contract Delivery (annual average; does not include Exchange	(TAF/year)	Long Term	1,022	1,102	-80
			Dry and Critical	400	463	-63
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	129	128	2
			Dry and Critical	96	91	5
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	585	565	20
			Dry and Critical	280	277	3
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	1,657	1,601	57
			Dry and Critical	852	834	18
Total CVP South of Delta						
Total CVP Ag and M&I	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term	1,152	1,230	-79
			Dry and Critical	496	554	-58
Total SWP South of Delta						
Total SWP Ag and M&I	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term	2,243	2,165	77
			Dry and Critical	1,132	1,110	21
Total South of Delta						
Total Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	3,394	3,396	-1
			Dry and Critical	1,628	1,665	-37

CVP = Central Valley Project; SWP = State Water Project; M&I = municipal and industrial; Ag = Agricultural; TAF = thousand acre-feet.
Long-term average is the average quantity for the period of October 1921–September 2021. Dry and critical year average is the average quantity for the combination of the State Water Resources Control Board D-1641 40-30-30 dry and critical dry years for the period of October 1921–September 2021. All scenarios are simulated at the 2022 median climate.

Table F.2.4-9. CalSim 3 Water Summary Report, by Region and Type, Long-Term Average and Dry and Critical Year Averages

Water Supply Reliability				Alt2woTUCP AllVA	NOACTION	Alt2woTUCP AllVA minus NOACTION
SACRAMENTO RIVER HYDROLOGIC REGION						
CVP Settlement	Contract Delivery (annual average)	(TAF/year)	Long Term	1,718	1,830	-113
			Dry and Critical	1,611	1,779	-167
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	181	183	-2
			Dry and Critical	171	176	-5
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	111	102	9
			Dry and Critical	90	84	6
CVP Ag	Contract Delivery (annual average - does not include Settlement	(TAF/year)	Long Term	296	311	-15
			Dry and Critical	167	194	-27
SWP FRSA	Contract Delivery (annual average)	(TAF/year)	Long Term	1,037	1,088	-51
			Dry and Critical	971	1,039	-68
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	45	40	5
			Dry and Critical	33	30	3
SAN JOAQUIN RIVER HYDROLOGIC REGION (NOT INCLUDING FRIANT-KERN AND MADERA CANAL WATER USERS)						
CVP Exchange	Contract Delivery (annual average)	(TAF/year)	Long Term	808	806	2
			Dry and Critical	756	750	6
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	257	256	1
			Dry and Critical	238	236	2
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	13	13	0
			Dry and Critical	10	10	0

Water Supply Reliability				Alt2woTUCP AllVA	NOACTION	Alt2woTUCP AllVA minus NOACTION
CVP Ag	Contract Delivery (annual average; does not include Exchange	(TAF/year)	Long Term	441	477	-36
			Dry and Critical	177	210	-33
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	3	3	0
			Dry and Critical	2	2	0
SAN FRANCISCO BAY HYDROLOGIC REGION						
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	268	265	3
			Dry and Critical	261	254	7
CVP Ag	Contract Delivery (annual average)	(TAF/year)	Long Term	41	43	-1
			Dry and Critical	16	17	-1
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	184	180	4
			Dry and Critical	112	111	1
CENTRAL COAST HYDROLOGIC REGION						
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	37	36	1
			Dry and Critical	21	20	1
TULARE LAKE HYDROLOGIC REGION (NOT INCLUDING FRIANT-KERN CANAL WATER USERS)						
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	14	14	0
			Dry and Critical	13	12	0
CVP Ag	Contract Delivery (annual average - includes Cross Valley Canal)	(TAF/year)	Long Term	544	583	-39
			Dry and Critical	206	237	-31
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	72	71	1
			Dry and Critical	34	35	-1
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	572	555	17
			Dry and Critical	270	272	-2

Water Supply Reliability				Alt2woTUCP AllVA	NOACTION	Alt2woTUCP AllVA minus NOACTION
SOUTH LAHONTAN HYDROLOGIC REGION						
SWP M&I	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	240	228	12
			Dry and Critical	143	131	12
SOUTH COAST HYDROLOGIC REGION						
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	1,181	1,151	30
			Dry and Critical	585	586	-1
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	7	7	0
			Dry and Critical	3	3	0
TOTAL FOR ALL REGIONS						
Total Supplies	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	8,070	8,241	-170
			Dry and Critical	5,891	6,187	-296

CVP = Central Valley Project; SWP = State Water Project; M&I = municipal and industrial; Ag = Agricultural; FRSA = Feather River Service Allocation; TAF = thousand acre-feet.

Long-term average is the average quantity for the period of October 1921–September 2021. Dry and critical year average is the average quantity for the combination of the State Water Resources Control Board D-1641 40-30-30 dry and critical dry years for the period of October 1921–September 2021. All scenarios are simulated at the 2022 median climate.

Table F.2.4-10. CalSim 3 Water Supply Summary Report, by Type, Long-Term Average and Dry and Critical Year Averages

Water Supply Reliability				Alt2woTUCP AllVA	NOACTION	Alt2woTUCP AllVA minus NOACTION
NORTH OF DELTA						
CVP Ag	Contract Delivery (annual average; does not include Exchange	(TAF/year)	Long Term	296	311	-15
			Dry and Critical	167	194	-27
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	264	253	11
			Dry and Critical	266	256	10
SWP Ag	Contract Delivery (including Article 1) (annual average)	(TAF/year)	Long Term	0	0	0
			Dry and Critical	0	0	0
SWP M&I	Contract Delivery (including Article 1, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	109	104	4
			Dry and Critical	83	79	3
Total CVP North of Delta						
Total CVP Ag and M&I	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term	559	564	-4
			Dry and Critical	434	450	-17
Total SWP North of Delta						
Total SWP Ag and M&I	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term	109	104	4
			Dry and Critical	83	79	3
Total North of Delta						
Total Ag and &I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	668	668	0
			Dry and Critical	516	530	-14

Water Supply Reliability				Alt2woTUCP AllVA	NOACTION	Alt2woTUCP AllVA minus NOACTION
SOUTH OF DELTA						
CVP Ag	Contract Delivery (annual average; does not include Exchange	(TAF/year)	Long Term	1,026	1,102	-76
			Dry and Critical	398	463	-65
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	129	128	1
			Dry and Critical	95	91	4
SWP Ag	Contract Delivery (including Article 1) (annual average)	(TAF/year)	Long Term	582	565	17
			Dry and Critical	274	277	-2
SWP M&I	Contract Delivery (including Article 1, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	1,650	1,601	49
			Dry and Critical	846	834	13
Total CVP South of Delta						
Total CVP Ag and M&I	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term	1,155	1,230	-75
			Dry and Critical	493	554	-61
Total SWP South of Delta						
Total SWP Ag and M&I	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term	2,232	2,165	66
			Dry and Critical	1,121	1,110	10
Total South of Delta						
Total Ag and &I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	3,387	3,396	-9
			Dry and Critical	1,614	1,665	-51

CVP = Central Valley Project; SWP = State Water Project; M&I = municipal and industrial; Ag = Agricultural; TAF = thousand acre-feet.
Long-term average is the average quantity for the period of October 1921–September 2021. Dry and critical year average is the average quantity for the combination of the State Water Resources Control Board D-1641 40-30-30 dry and critical dry years for the period of October 1921–September 2021. All scenarios are simulated at the 2022 median climate.

Table F.2.4-11. CalSim 3 Water Summary Report, by Region and Type, Long-Term Average and Dry and Critical Year Averages

Water Supply Reliability				Alt3	NOACTION	Alt3 minus NOACTION
SACRAMENTO RIVER HYDROLOGIC REGION						
CVP Settlement	Contract Delivery (annual average)	(TAF/year)	Long Term	1,750	1,830	-81
			Dry and Critical	1,588	1,779	-191
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	181	183	-3
			Dry and Critical	176	176	0
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	91	102	-11
			Dry and Critical	70	84	-14
CVP Ag	Contract Delivery (annual average - does not include Settlement	(TAF/year)	Long Term	272	311	-39
			Dry and Critical	130	194	-64
SWP FRSA	Contract Delivery (annual average)	(TAF/year)	Long Term	1,036	1,088	-52
			Dry and Critical	911	1,039	-128
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	27	40	-13
			Dry and Critical	26	30	-4
SAN JOAQUIN RIVER HYDROLOGIC REGION (NOT INCLUDING FRIANT-KERN AND MADERA CANAL WATER USERS)						
CVP Exchange	Contract Delivery (annual average)	(TAF/year)	Long Term	775	806	-31
			Dry and Critical	695	750	-55
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	253	256	-3
			Dry and Critical	229	236	-7
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	8	13	-5
			Dry and Critical	5	10	-4

Water Supply Reliability				Alt3	NOACTION	Alt3 minus NOACTION
CVP Ag	Contract Delivery (annual average; does not include Exchange	(TAF/year)	Long Term	168	477	-309
			Dry and Critical	61	210	-149
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	1	3	-1
			Dry and Critical	1	2	-1
SAN FRANCISCO BAY HYDROLOGIC REGION						
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	222	265	-44
			Dry and Critical	219	254	-35
CVP Ag	Contract Delivery (annual average)	(TAF/year)	Long Term	12	43	-30
			Dry and Critical	3	17	-14
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	112	180	-68
			Dry and Critical	72	111	-39
CENTRAL COAST HYDROLOGIC REGION						
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	17	36	-19
			Dry and Critical	9	20	-11
TULARE LAKE HYDROLOGIC REGION (NOT INCLUDING FRIANT-KERN CANAL WATER USERS)						
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	13	14	-1
			Dry and Critical	11	12	-1
CVP Ag	Contract Delivery (annual average - includes Cross Valley Canal)	(TAF/year)	Long Term	152	583	-431
			Dry and Critical	34	237	-203
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	34	71	-37
			Dry and Critical	17	35	-19
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	247	555	-308
			Dry and Critical	122	272	-151

Water Supply Reliability				Alt3	NOACTION	Alt3 minus NOACTION
SOUTH LAHONTAN HYDROLOGIC REGION						
SWP M&I	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	110	228	-117
			Dry and Critical	56	131	-75
SOUTH COAST HYDROLOGIC REGION						
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	531	1,151	-619
			Dry and Critical	262	586	-324
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	3	7	-4
			Dry and Critical	2	3	-1
TOTAL FOR ALL REGIONS						
Total Supplies	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	6,016	8,241	-2,225
			Dry and Critical	4,697	6,187	-1,490

CVP = Central Valley Project; SWP = State Water Project; M&I = municipal and industrial; Ag = Agricultural; FRSA = Feather River Service Allocation; TAF = thousand acre-feet.
Long-term average is the average quantity for the period of October 1921–September 2021. Dry and critical year average is the average quantity for the combination of the State Water Resources Control Board D-1641 40-30-30 dry and critical dry years for the period of October 1921–September 2021. All scenarios are simulated at the 2022 median climate.

Table F.2.4-12. CALSIM 3 Water Supply Summary Report, by Type, Long-Term Average and Dry and Critical Year Averages

Water Supply Reliability				Alt3	NOACTION	Alt3 minus NOACTION
NORTH OF DELTA						
CVP Ag	Contract Delivery (annual average; does not include Exchange	(TAF/year)	Long Term	272	311	-39
			Dry and Critical	130	194	-64
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	242	253	-12
			Dry and Critical	241	256	-15
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	0	0	0
			Dry and Critical	0	0	0
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	85	104	-19
			Dry and Critical	71	79	-9
Total CVP North of Delta						
Total CVP Ag and M&I	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term	514	564	-50
			Dry and Critical	371	450	-79
Total SWP North of Delta						
Total SWP Ag and M&I	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term	85	104	-19
			Dry and Critical	71	79	-9
Total North of Delta						
Total Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	599	668	-70
			Dry and Critical	442	530	-88

Water Supply Reliability				Alt3	NOACTION	Alt3 minus NOACTION
SOUTH OF DELTA						
CVP Ag	Contract Delivery (annual average; does not include Exchange	(TAF/year)	Long Term	333	1,102	-769
			Dry and Critical	98	463	-366
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	80	128	-48
			Dry and Critical	53	91	-38
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	251	565	-313
			Dry and Critical	124	277	-153
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	747	1,601	-854
			Dry and Critical	370	834	-464
Total CVP South of Delta						
Total CVP Ag and M&I	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term	413	1,230	-818
			Dry and Critical	151	554	-404
Total SWP South of Delta						
Total SWP Ag and M&I	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term	998	2,165	-1,168
			Dry and Critical	494	1,110	-616
Total South of Delta						
Total Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	1,411	3,396	-1,985
			Dry and Critical	645	1,665	-1,020

CVP = Central Valley Project; SWP = State Water Project; M&I = municipal and industrial; Ag = Agricultural; FRSA = Feather River Service Allocation; TAF = thousand acre-feet.

Long-term average is the average quantity for the period of October 1921–September 2021. Dry and critical year average is the average quantity for the combination of the State Water Resources Control Board D-1641 40-30-30 dry and critical dry years for the period of October 1921–September 2021. All scenarios are simulated at the 2022 median climate.

Table F.2.4-13. CalSim 3 Water Summary Report, by Region and Type, Long-Term Average and Dry and Critical Year Averages

Water Supply Reliability				Alt4	NOACTION	Alt4 minus NOACTION
SACRAMENTO RIVER HYDROLOGIC REGION						
CVP Settlement	Contract Delivery (annual average)	(TAF/year)	Long Term	1,804	1,830	-26
			Dry and Critical	1,714	1,779	-65
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	183	183	0
			Dry and Critical	176	176	0
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	103	102	0
			Dry and Critical	84	84	1
CVP Ag	Contract Delivery (annual average - does not include Settlement	(TAF/year)	Long Term	313	311	2
			Dry and Critical	192	194	-2
SWP FRSA	Contract Delivery (annual average)	(TAF/year)	Long Term	1,090	1,088	2
			Dry and Critical	1,043	1,039	4
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	42	40	2
			Dry and Critical	31	30	2
SAN JOAQUIN RIVER HYDROLOGIC REGION (NOT INCLUDING FRIANT-KERN AND MADERA CANAL WATER USERS)						
CVP Exchange	Contract Delivery (annual average)	(TAF/year)	Long Term	807	806	1
			Dry and Critical	753	750	3
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	256	256	0
			Dry and Critical	237	236	1
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	13	13	0
			Dry and Critical	9	10	0

Water Supply Reliability				Alt4	NOACTION	Alt4 minus NOACTION
CVP Ag	Contract Delivery (annual average; does not include Exchange	(TAF/year)	Long Term	490	477	13
			Dry and Critical	198	210	-11
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	3	3	0
			Dry and Critical	2	2	0
SAN FRANCISCO BAY HYDROLOGIC REGION						
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	266	265	1
			Dry and Critical	254	254	-1
CVP Ag	Contract Delivery (annual average)	(TAF/year)	Long Term	44	43	1
			Dry and Critical	16	17	-1
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	188	180	8
			Dry and Critical	119	111	8
CENTRAL COAST HYDROLOGIC REGION						
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	39	36	3
			Dry and Critical	23	20	3
TULARE LAKE HYDROLOGIC REGION (NOT INCLUDING FRIANT-KERN CANAL WATER USERS)						
CVP Refuge Level 2	Contract Delivery (annual average)	(TAF/year)	Long Term	14	14	0
			Dry and Critical	13	12	0
CVP Ag	Contract Delivery (annual average - includes Cross Valley Canal)	(TAF/year)	Long Term	600	583	17
			Dry and Critical	221	237	-16
SWP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	75	71	5
			Dry and Critical	39	35	4
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	596	555	41
			Dry and Critical	304	272	32

Water Supply Reliability				Alt4	NOACTION	Alt4 minus NOACTION
SOUTH LAHONTAN HYDROLOGIC REGION						
SWP M&I	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	247	228	20
			Dry and Critical	150	131	19
SOUTH COAST HYDROLOGIC REGION						
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	1,230	1,151	79
			Dry and Critical	656	586	70
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	7	7	0
			Dry and Critical	3	3	0
TOTAL FOR ALL REGIONS						
Total Supplies	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	8,410	8,241	169
			Dry and Critical	6,239	6,187	52

CVP = Central Valley Project; SWP = State Water Project; M&I = municipal and industrial; Ag = Agricultural; FRSA = Feather River Service Allocation; TAF = thousand acre-feet.
Long-term average is the average quantity for the period of October 1921–September 2021. Dry and critical year average is the average quantity for the combination of the State Water Resources Control Board D-1641 40-30-30 dry and critical dry years for the period of October 1921–September 2021. All scenarios are simulated at the 2022 median climate.

Table F.2.4-14. CalSim 3 Water Supply Summary Report, by Type, Long-Term Average and Dry and Critical Year Averages

Water Supply Reliability				Alt4	NOACTION	Alt4 minus NOACTION
NORTH OF DELTA						
CVP Ag	Contract Delivery (annual average; does not include Exchange	(TAF/year)	Long Term	313	311	2
			Dry and Critical	192	194	-2
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	253	253	0
			Dry and Critical	256	256	0
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	0	0	0
			Dry and Critical	0	0	0
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	106	104	2
			Dry and Critical	81	79	2
Total CVP North of Delta						
Total CVP Ag and M&I	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term	566	564	2
			Dry and Critical	449	450	-2
Total SWP North of Delta						
Total SWP Ag and M&I	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term	106	104	2
			Dry and Critical	81	79	2
Total North of Delta						
Total Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	672	668	4
			Dry and Critical	530	530	0

Water Supply Reliability				Alt4	NOACTION	Alt4 minus NOACTION
SOUTH OF DELTA						
CVP Ag	Contract Delivery (annual average; does not include Exchange	(TAF/year)	Long Term	1,133	1,102	30
			Dry and Critical	435	463	-28
CVP M&I	Contract Delivery (annual average)	(TAF/year)	Long Term	129	128	1
			Dry and Critical	91	91	0
SWP Ag	Contract Delivery (including Article 21) (annual average)	(TAF/year)	Long Term	606	565	42
			Dry and Critical	309	277	33
SWP M&I	Contract Delivery (including Article 21, includes transfers to SWP contractors) (annual average)	(TAF/year)	Long Term	1,715	1,601	115
			Dry and Critical	938	834	104
Total CVP South of Delta						
Total CVP Ag and M&I	Contract Delivery (CVP) (annual average)	(TAF/year)	Long Term	1,262	1,230	32
			Dry and Critical	526	554	-29
Total SWP South of Delta						
Total SWP Ag and M&I	Contract Delivery (SWP) (annual average)	(TAF/year)	Long Term	2,322	2,165	156
			Dry and Critical	1,247	1,110	137
Total South of Delta						
Total Ag and M&I Deliveries	Contract Delivery (CVP, SWP and other) (annual average)	(TAF/year)	Long Term	3,583	3,396	188
			Dry and Critical	1,773	1,665	108

CVP = Central Valley Project; SWP = State Water Project; M&I = municipal and industrial; Ag = Agricultural; FRSA = Feather River Service Allocation; TAF = thousand acre-feet.
Long-term average is the average quantity for the period of October 1921–September 2021. Dry and critical year average is the average quantity for the combination of the State Water Resources Control Board D-1641 40-30-30 dry and critical dry years for the period of October 1921–September 2021. All scenarios are simulated at the 2022 median climate.

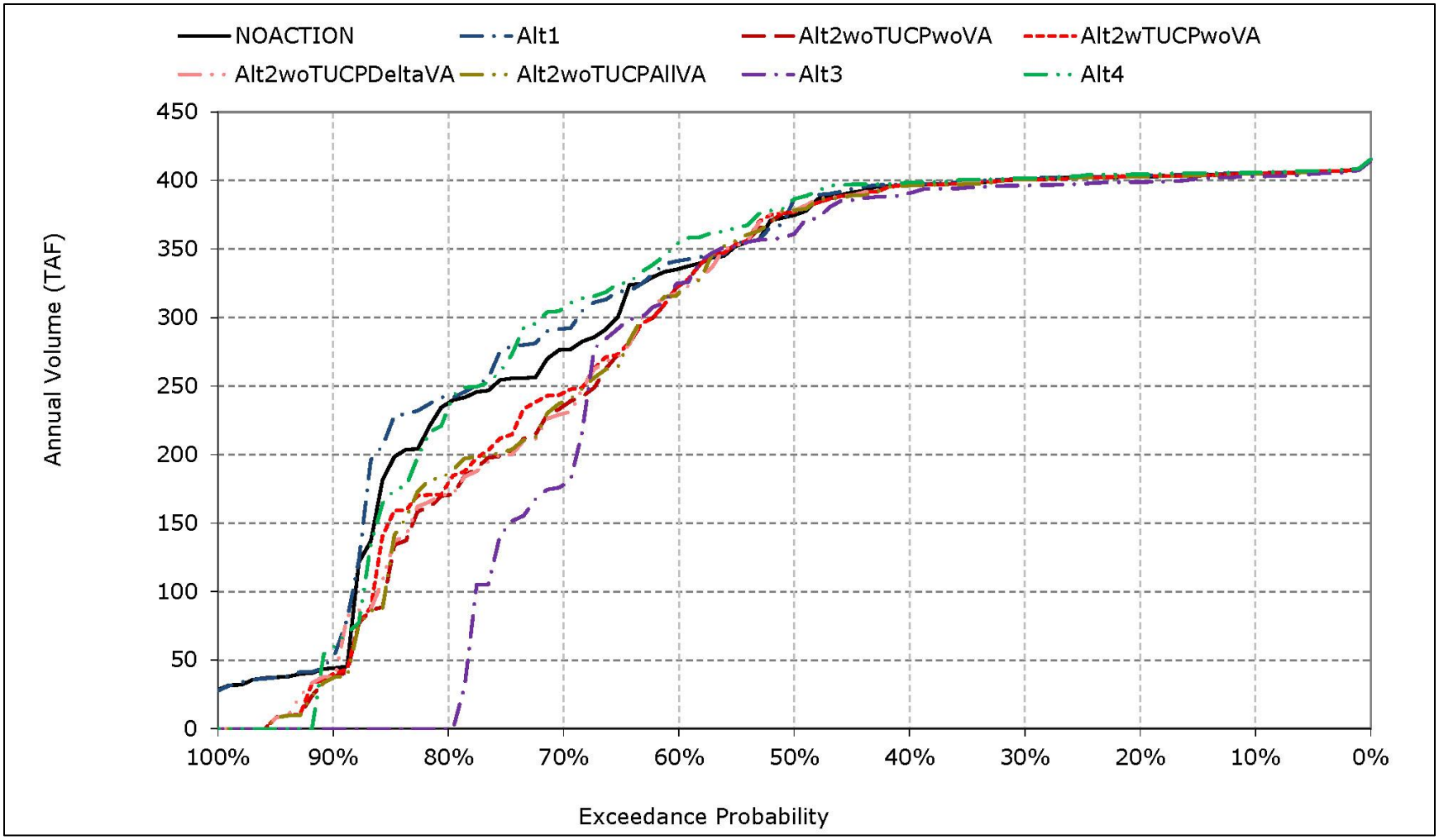


Figure F.2.4-1. CVP North of Delta Agricultural Water Service Contract Deliveries, Annual (Mar-Feb)

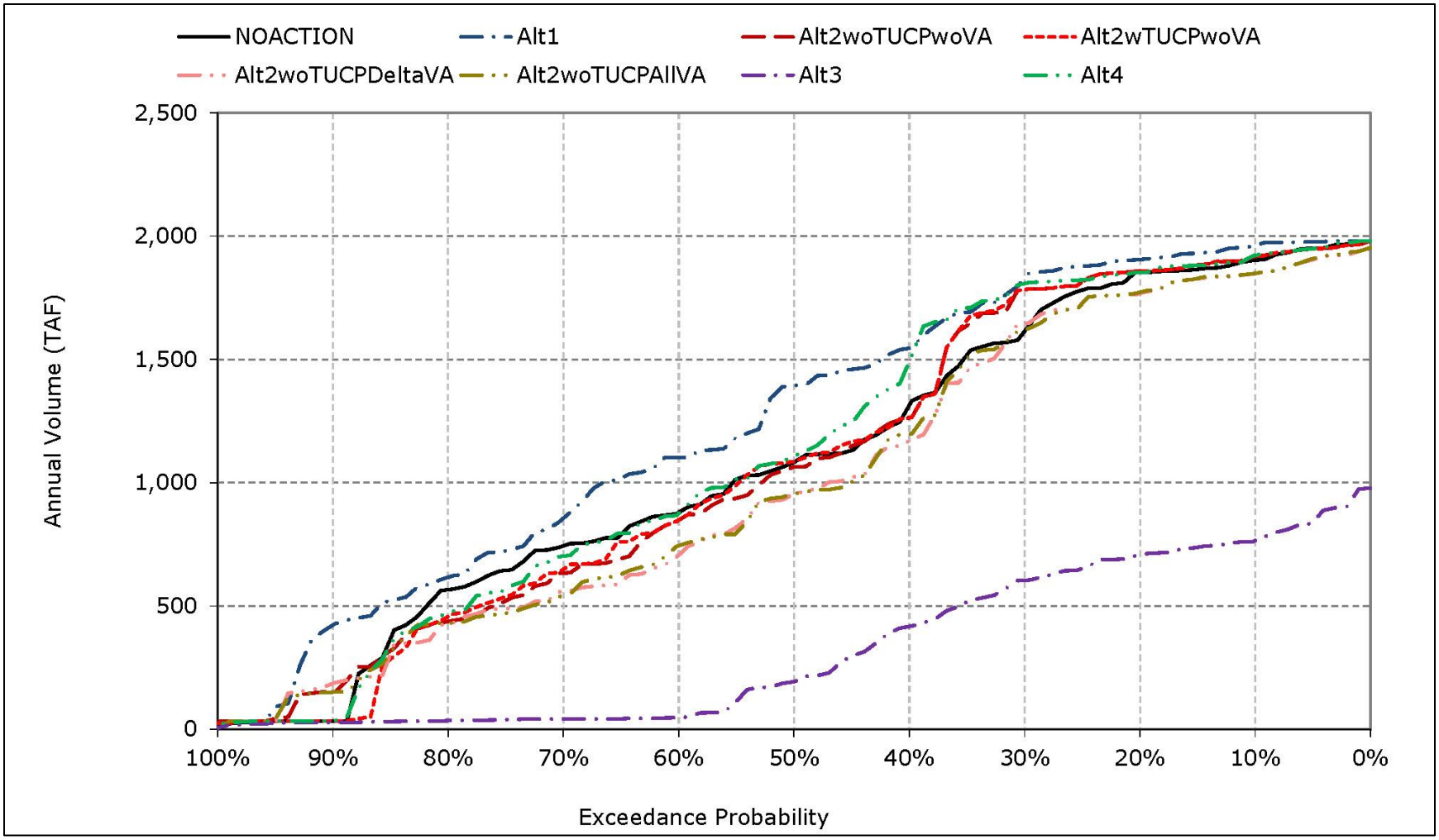


Figure F.2.4-2. CVP South of Delta Agricultural Water Service Contract Deliveries, Annual (Mar-Feb)

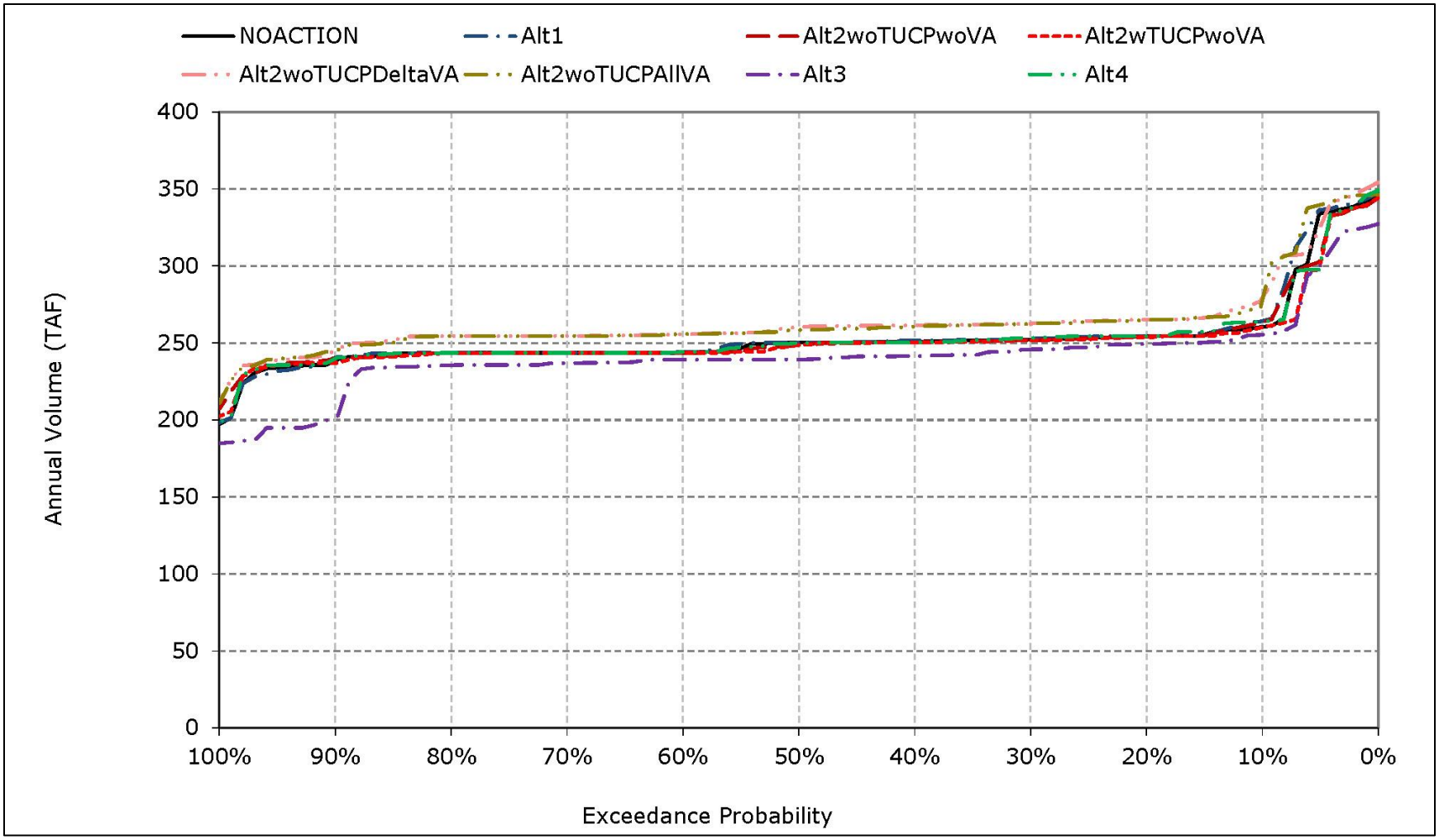
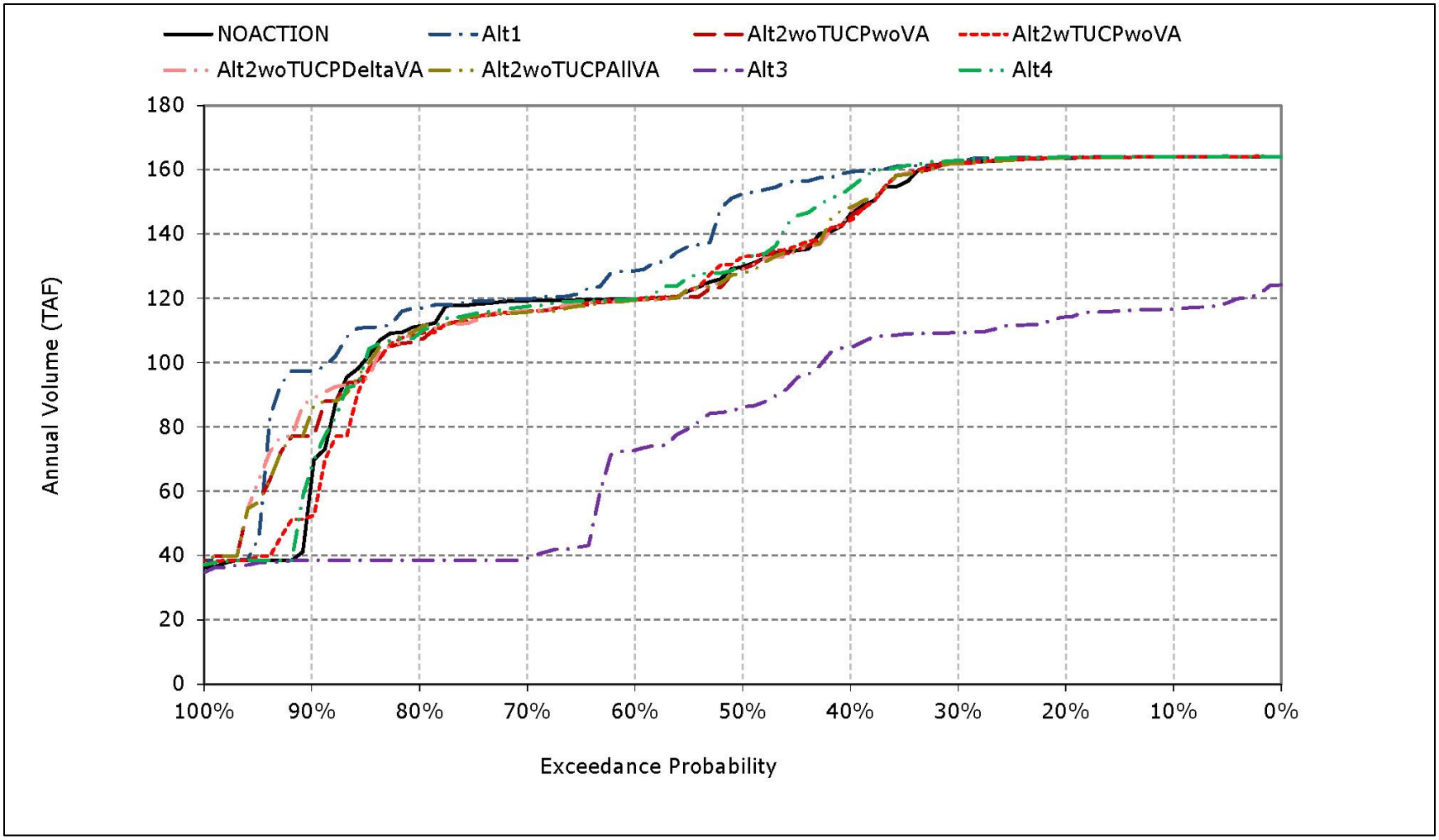


Figure F.2.4-3. CVP North of Delta M&I Water Service Contract Deliveries, Annual (Mar-Feb)



F.2.4-4. CVP South of Delta M&I Water Service Contract Deliveries, Annual (Mar-Feb)

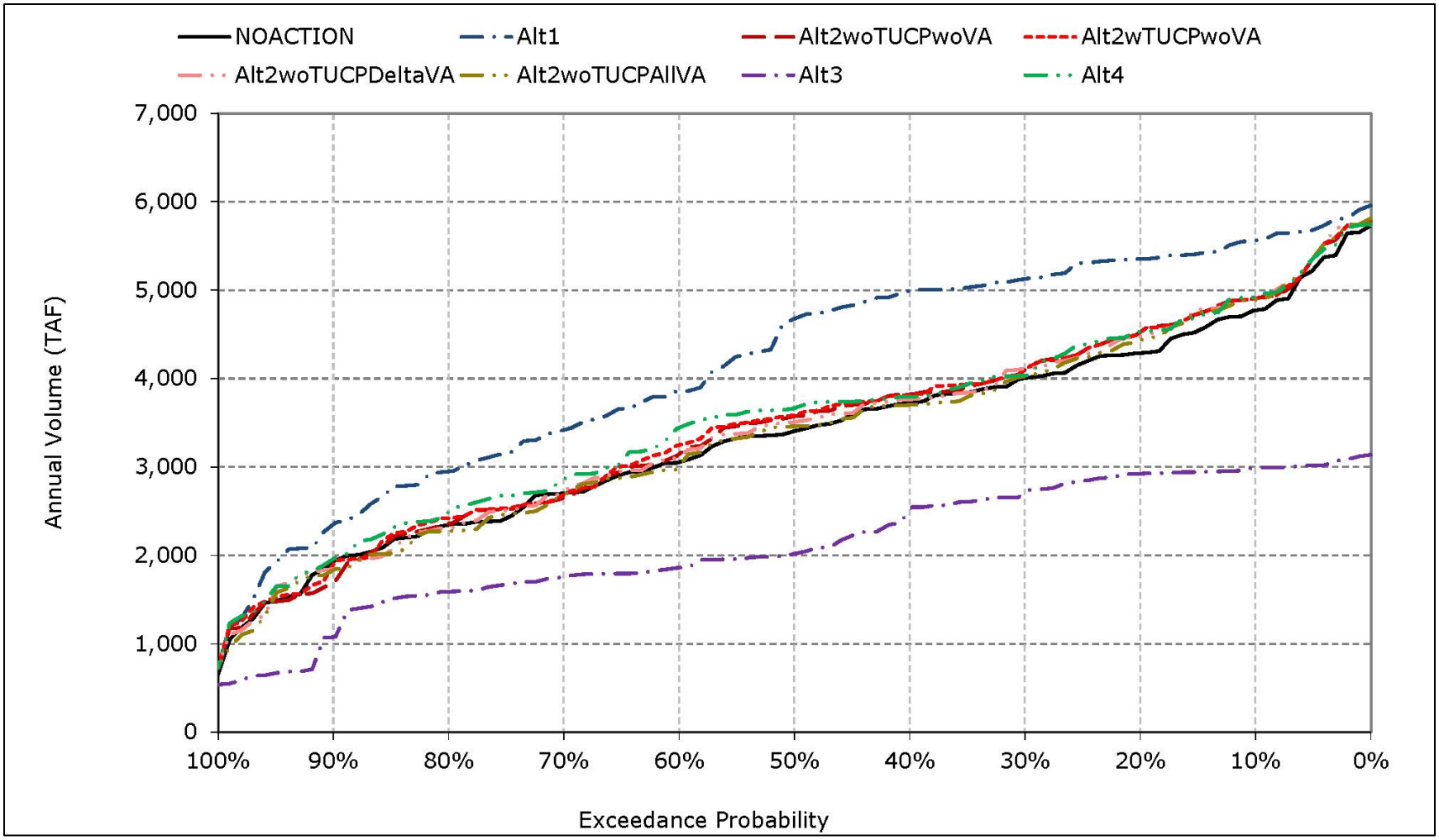
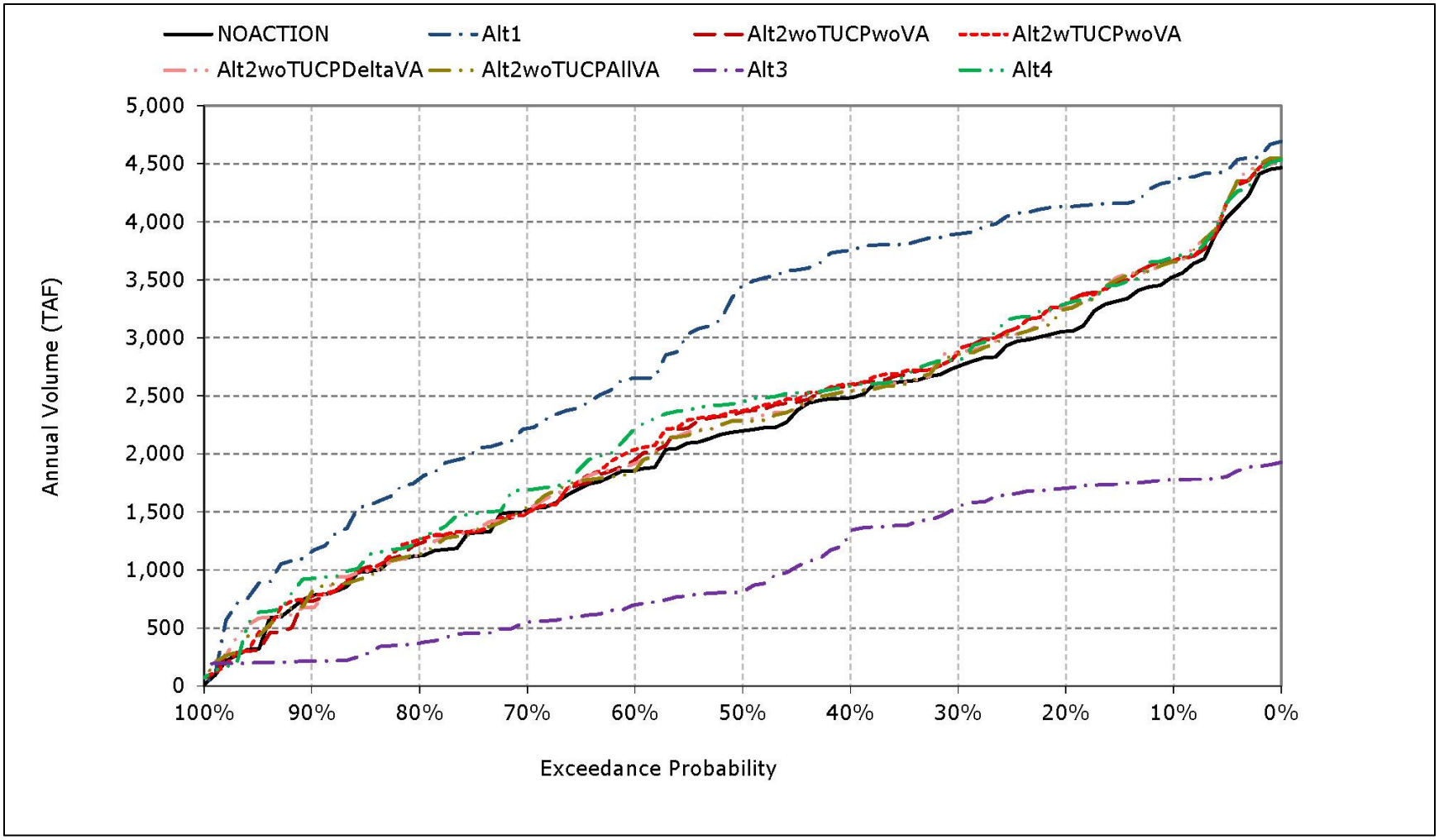


Figure F.2.4-5. Total SWP Deliveries, Annual (Jan-Dec)



FigureF.2.4-6. Total SWP South of Delta Deliveries including Article 21 and 56, Annual (Jan-Dec)

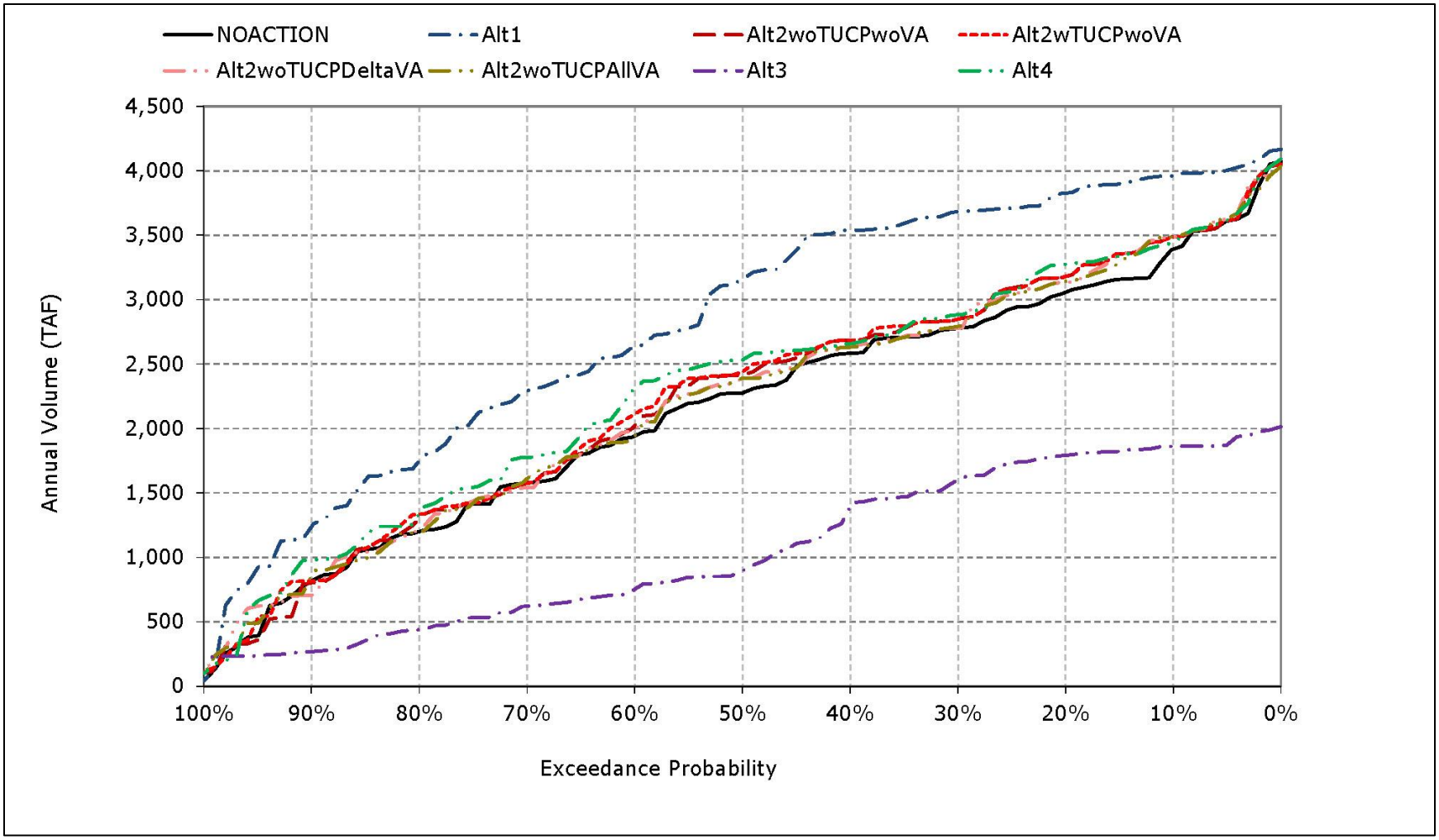


Figure F.2.4-7. SWP Table A Deliveries with Article 56, Annual (Jan-Dec)

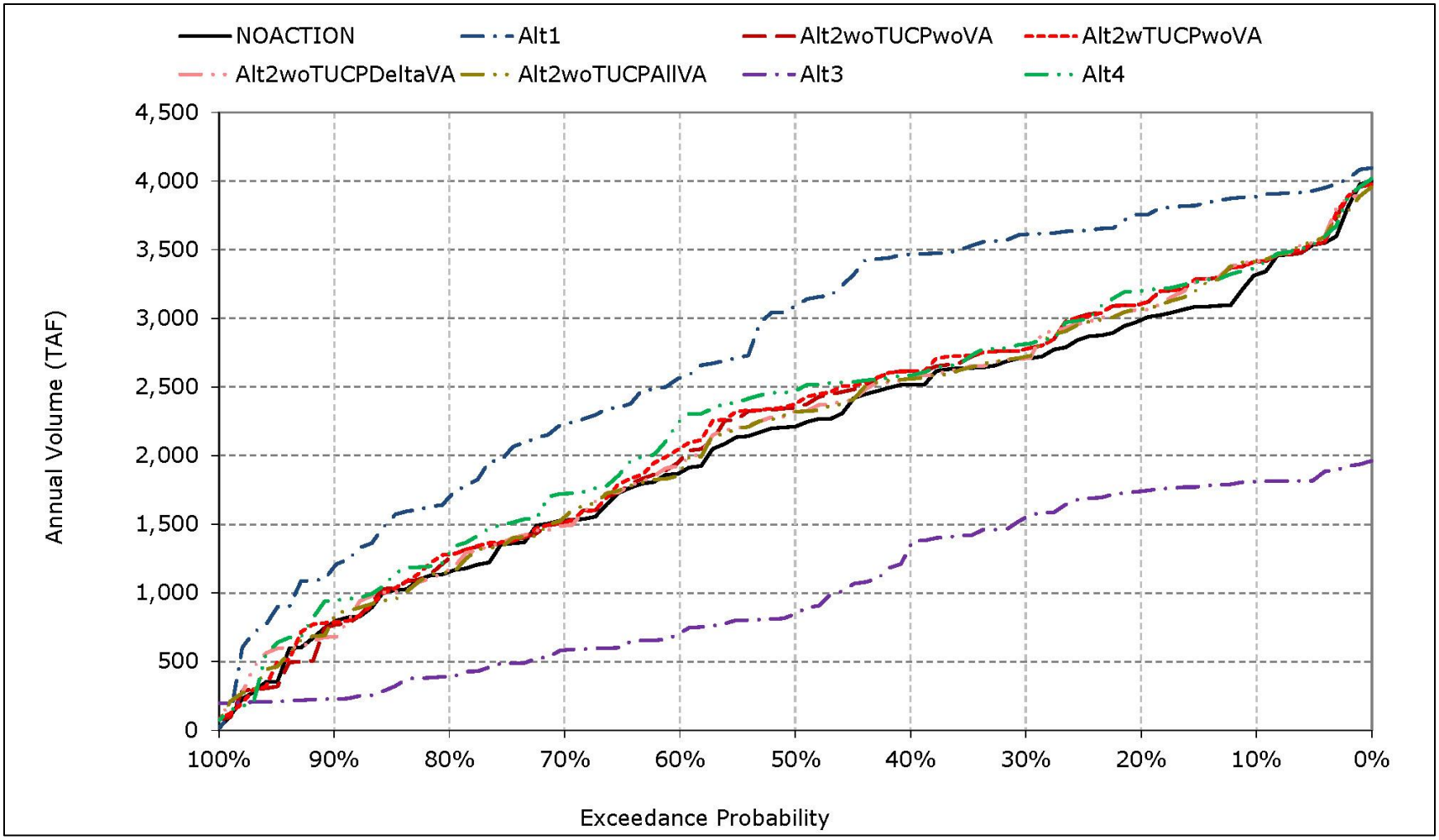


Figure F.2.4-8. SWP South of Delta Table A Deliveries with Article 56, Annual (Jan-Dec)

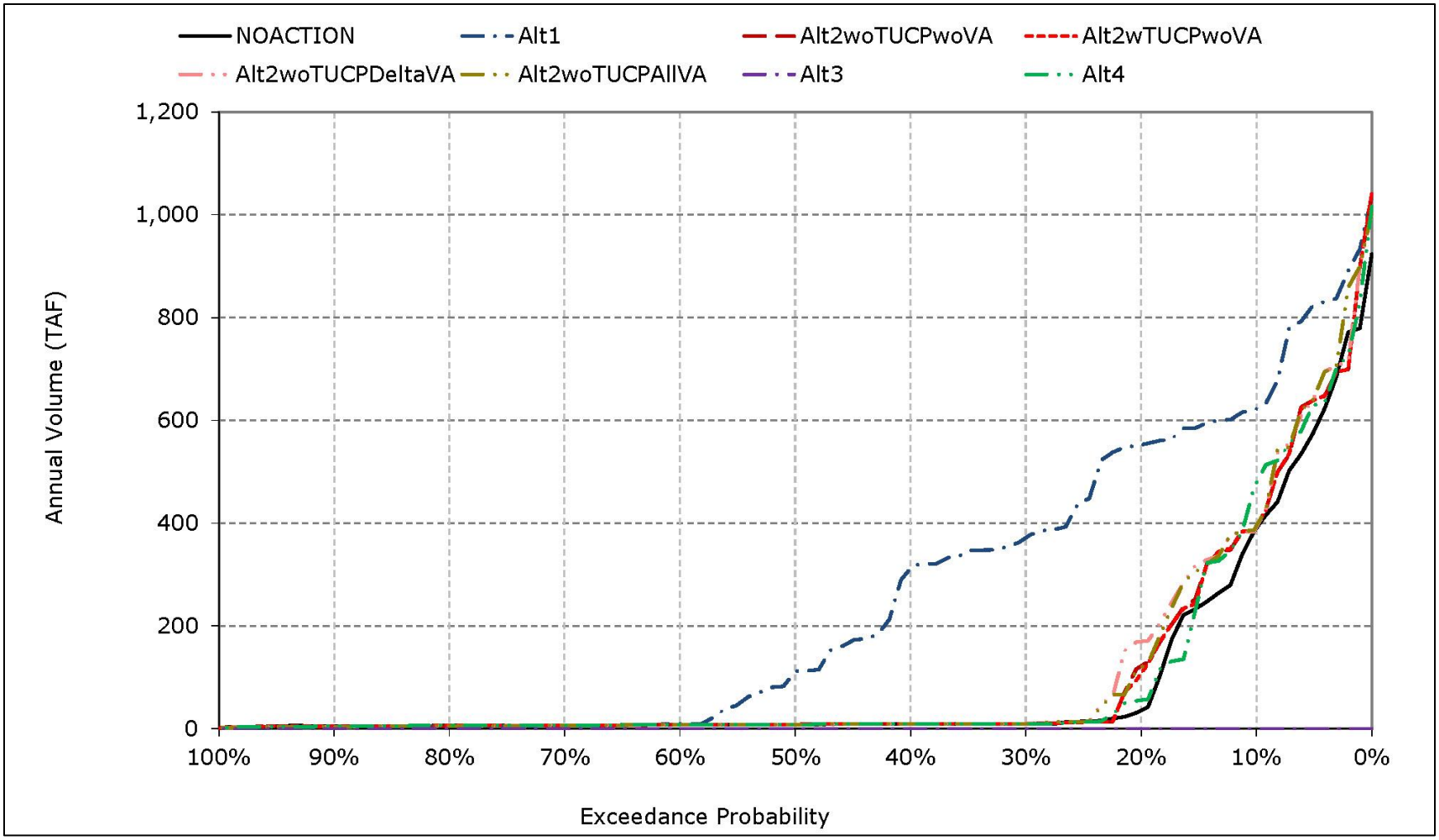


Figure F.2.4-9. SWP Article 21 Deliveries, Annual (Jan-Dec)

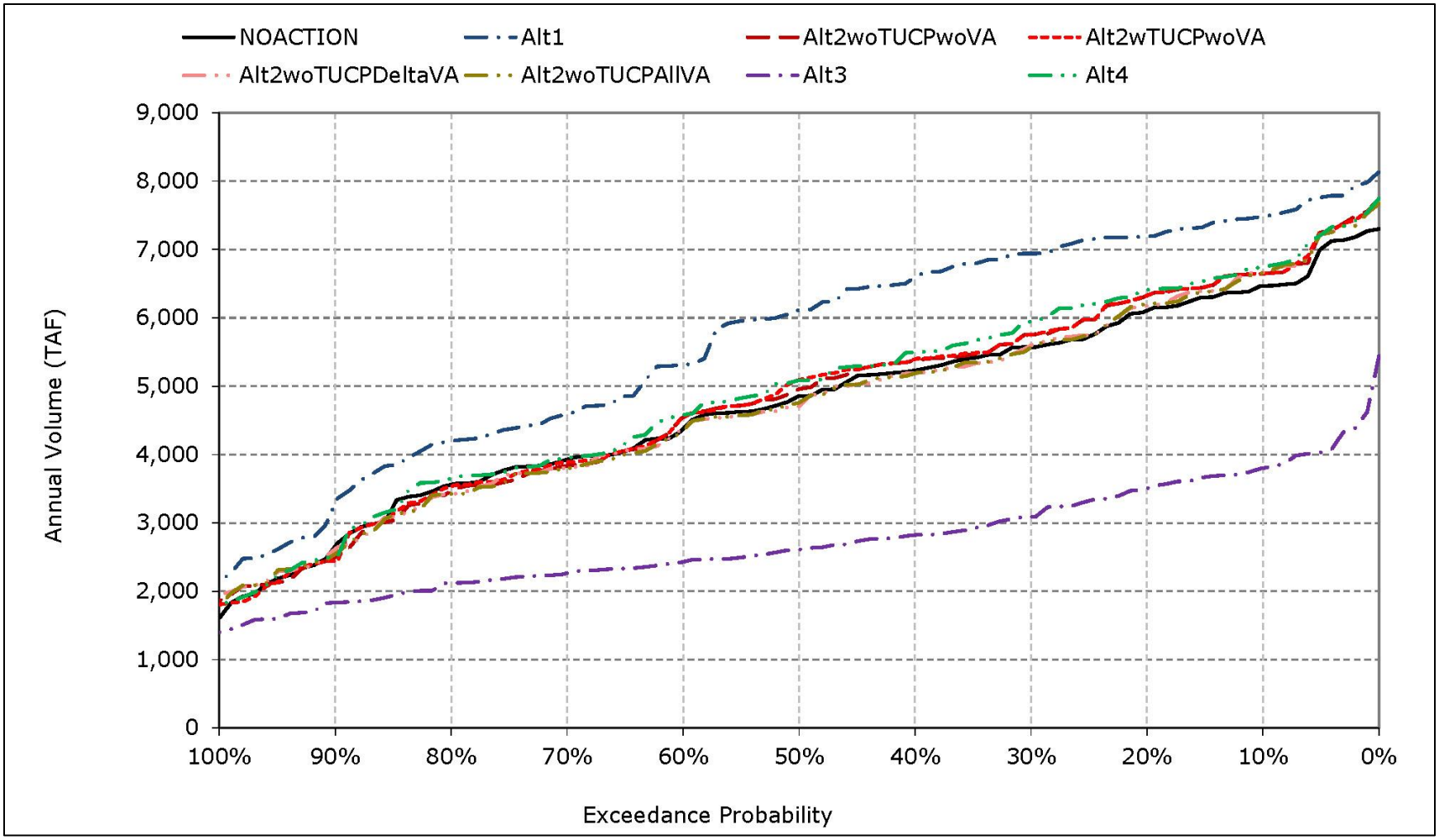


Figure F.2.4-10. Total Delta Exports, Annual (Oct-Sep)

Appendix F, Modeling

Attachment F.2-5 DSM2–Salinity

F.2-5.1 Results

The following results of the DSM2 QUAL model with 2022 Median climate conditions and 15 cm sea level rise are included for salinity results at key project locations for the following alternatives:

- No Action Alternative 090723 (NAA)
- ALT1 090923 (ALT1)
- Alt2woTUCPwoVA 091324 (Alt2woTUCPwoVA)
- Alt2woTUCPDeltaVA 091324 (Alt2woTUCPDeltaVA)
- Alt2woTUCPAllVA 091324 (Alt2woTUCPAllVA)
- Alt2wTUCPwoVA 091324 (Alt2wTUCPwoVA)
- ALT3 101323 (ALT3)
- ALT4 091624 (ALT4)

Section	Output Parameters	Table Numbers	Figure Numbers
Salinity	Sacramento River downstream of Steamboat Slough Salinity	F.2.5-1-1a to F.2.5-1-7c	F.2.5-1-1 to F.2.5-1-18
Salinity	Cache Slough at Ryer Island Salinity	F.2.5-2-1a to F.2.5-2-7c	F.2.5-2-1 to F.2.5-2-18
Salinity	Sacramento River downstream of Georgiana Slough Salinity	F.2.5-3-1a to F.2.5-3-7c	F.2.5-3-1 to F.2.5-3-18
Salinity	Sacramento River at Emmaton Salinity	F.2.5-4-1a to F.2.5-4-7c	F.2.5-4-1 to F.2.5-4-18
Salinity	Sacramento River at Rio Vista Salinity	F.2.5-5-1a to F.2.5-5-7c	F.2.5-5-1 to F.2.5-5-18
Salinity	San Joaquin River at Vernalis Salinity (40-30-30)	F.2.5-6-1a to F.2.5-6-7c	F.2.5-6-1 to F.2.5-6-18
Salinity	San Joaquin River at Vernalis Salinity (60-20-20)	F.2.5-7-1a to F.2.5-7-7c	F.2.5-7-1 to F.2.5-7-18
Salinity	San Joaquin River at Jersey Point Salinity	F.2.5-8-1a to F.2.5-8-7c	F.2.5-8-1 to F.2.5-8-18
Salinity	Old River at Rock Slough Salinity	F.2.5-9-1a to F.2.5-9-7c	F.2.5-9-1 to F.2.5-9-18
Salinity	San Joaquin River at Antioch Salinity	F.2.5-10-1a to F.2.5-10-7c	F.2.5-10-1 to F.2.5-10-18

Section	Output Parameters	Table Numbers	Figure Numbers
Salinity	Sacramento River at Mallard Slough Salinity	F.2.5-11-1a to F.2.5-11-7c	F.2.5-11-1 to F.2.5-11-18
Salinity	Sacramento River at Collinsville Salinity	F.2.5-12-1a to F.2.5-12-7c	F.2.5-12-1 to F.2.5-12-18
Salinity	Chipps Island North Channel Salinity	F.2.5-13-1a to F.2.5-13-7c	F.2.5-13-1 to F.2.5-13-18
Salinity	Chipps Island South Channel Salinity	F.2.5-14-1a to F.2.5-14-7c	F.2.5-14-1 to F.2.5-14-18
Salinity	Sacramento River at Port Chicago Salinity	F.2.5-15-1a to F.2.5-15-7c	F.2.5-15-1 to F.2.5-15-18
Salinity	Jones Pumping Plant South Delta Exports Salinity	F.2.5-16-1a to F.2.5-16-7c	F.2.5-16-1 to F.2.5-16-18
Salinity	Banks Pumping Plant South Delta Exports Salinity	F.2.5-17-1a to F.2.5-17-7c	F.2.5-17-1 to F.2.5-17- 18
Salinity	Old River at Highway 4	F.2.5-18-1a to F.2.5-18-7c	F.2.5-18-1 to F.2.5-18-18
Salinity	Victoria Canal	F.2.5-19-1a to F.2.5-19-7c	F.2.5-19-1 to F.2.5-19-18

F.2-5.2 Report Formats

Reports include monthly tables, monthly pattern charts, and monthly exceedance charts.

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

Table F.2.5-1-1a. Sacramento River downstream of Steamboat Slough Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	177	178	178	179	178	177	176	176	175	176	176
20% Exceedance	176	177	177	178	178	178	176	176	175	175	175	175
30% Exceedance	176	176	177	177	178	177	176	176	175	175	175	175
40% Exceedance	176	176	177	177	177	177	176	175	175	175	175	175
50% Exceedance	175	176	177	177	177	177	176	175	175	175	175	175
60% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
70% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
80% Exceedance	175	176	176	176	176	176	176	175	175	175	175	175
90% Exceedance	175	175	176	176	176	176	175	175	175	175	175	175
Full Simulation Period Average[a]	176	176	177	177	177	177	176	175	175	175	175	175
Wet Water Years (28%)	175	176	176	176	176	176	176	175	175	175	175	175
Above Normal Years (14%)	175	176	177	177	177	176	176	175	175	175	175	175
Below Normal Years (18%)	176	176	177	177	177	177	176	175	175	175	175	175
Dry Water Years (24%)	176	176	177	177	178	177	176	175	175	175	175	175
Critical Water Years (16%)	176	176	178	177	179	178	177	176	176	175	176	175

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

Table F.2.5-1-1b. Sacramento River downstream of Steamboat Slough Salinity, Alternative 1, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	177	178	178	179	178	176	176	176	175	175	176
20% Exceedance	176	177	177	177	178	178	176	176	175	175	175	175
30% Exceedance	176	176	177	177	178	177	176	176	175	175	175	175
40% Exceedance	176	176	177	177	177	177	176	175	175	175	175	175
50% Exceedance	175	176	176	177	177	177	176	175	175	175	175	175
60% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
70% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
80% Exceedance	175	176	176	176	176	176	176	175	175	175	175	175
90% Exceedance	175	175	176	176	176	176	175	175	175	175	175	175
Full Simulation Period Average[a]	176	176	177	177	177	177	176	175	175	175	175	175
Wet Water Years (28%)	175	176	176	176	176	176	176	175	175	175	175	175
Above Normal Years (14%)	175	176	177	176	177	176	176	175	175	175	175	175
Below Normal Years (18%)	176	176	177	177	177	177	176	175	175	175	175	175
Dry Water Years (24%)	176	176	177	177	178	177	176	175	175	175	175	175
Critical Water Years (16%)	176	177	178	177	179	178	176	176	176	175	176	176

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

Table F.2.5-1-1c. Sacramento River downstream of Steamboat Slough Salinity, Alternative 1 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

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

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

Table F.2.5-1-2a. Sacramento River downstream of Steamboat Slough Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	177	178	178	179	178	177	176	176	175	176	176
20% Exceedance	176	177	177	178	178	178	176	176	175	175	175	175
30% Exceedance	176	176	177	177	178	177	176	176	175	175	175	175
40% Exceedance	176	176	177	177	177	177	176	175	175	175	175	175
50% Exceedance	175	176	177	177	177	177	176	175	175	175	175	175
60% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
70% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
80% Exceedance	175	176	176	176	176	176	176	175	175	175	175	175
90% Exceedance	175	175	176	176	176	176	175	175	175	175	175	175
Full Simulation Period Average[a]	176	176	177	177	177	177	176	175	175	175	175	175
Wet Water Years (28%)	175	176	176	176	176	176	176	175	175	175	175	175
Above Normal Years (14%)	175	176	177	177	177	176	176	175	175	175	175	175
Below Normal Years (18%)	176	176	177	177	177	177	176	175	175	175	175	175
Dry Water Years (24%)	176	176	177	177	178	177	176	175	175	175	175	175
Critical Water Years (16%)	176	176	178	177	179	178	177	176	176	175	176	175

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

Table F.2.5-1-2b. Sacramento River downstream of Steamboat Slough Salinity, Alt2woTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	177	178	178	179	178	176	176	176	175	176	176
20% Exceedance	176	177	177	177	178	178	176	176	175	175	175	175
30% Exceedance	176	176	177	177	178	177	176	176	175	175	175	175
40% Exceedance	176	176	177	177	177	177	176	175	175	175	175	175
50% Exceedance	175	176	177	177	177	177	176	175	175	175	175	175
60% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
70% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
80% Exceedance	175	176	176	176	176	176	176	175	175	175	175	175
90% Exceedance	175	175	176	176	176	176	175	175	175	175	175	175
Full Simulation Period Average[a]	176	176	177	177	177	177	176	175	175	175	175	175
Wet Water Years (28%)	175	176	176	176	176	176	176	175	175	175	175	175
Above Normal Years (14%)	175	176	177	177	177	176	176	175	175	175	175	175
Below Normal Years (18%)	176	176	177	177	177	177	176	175	175	175	175	175
Dry Water Years (24%)	176	176	177	177	178	177	176	175	175	175	175	175
Critical Water Years (16%)	176	176	178	177	179	178	176	176	176	175	176	176

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

Table F.2.5-1-2c. Sacramento River downstream of Steamboat Slough Salinity, Alt2woTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

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

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

Table F.2.5-1-3a. Sacramento River downstream of Steamboat Slough Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	177	178	178	179	178	177	176	176	175	176	176
20% Exceedance	176	177	177	178	178	178	176	176	175	175	175	175
30% Exceedance	176	176	177	177	178	177	176	176	175	175	175	175
40% Exceedance	176	176	177	177	177	177	176	175	175	175	175	175
50% Exceedance	175	176	177	177	177	177	176	175	175	175	175	175
60% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
70% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
80% Exceedance	175	176	176	176	176	176	176	175	175	175	175	175
90% Exceedance	175	175	176	176	176	176	175	175	175	175	175	175
Full Simulation Period Average[a]	176	176	177	177	177	177	176	175	175	175	175	175
Wet Water Years (28%)	175	176	176	176	176	176	176	175	175	175	175	175
Above Normal Years (14%)	175	176	177	177	177	176	176	175	175	175	175	175
Below Normal Years (18%)	176	176	177	177	177	177	176	175	175	175	175	175
Dry Water Years (24%)	176	176	177	177	178	177	176	175	175	175	175	175
Critical Water Years (16%)	176	176	178	177	179	178	177	176	176	175	176	175

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

Table F.2.5-1-3b. Sacramento River downstream of Steamboat Slough Salinity, Alt2woTUCPDeltaVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	177	178	178	179	178	176	176	176	175	176	176
20% Exceedance	176	177	177	177	178	178	176	176	175	175	175	175
30% Exceedance	176	176	177	177	178	177	176	176	175	175	175	175
40% Exceedance	176	176	177	177	177	177	176	175	175	175	175	175
50% Exceedance	175	176	177	177	177	177	176	175	175	175	175	175
60% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
70% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
80% Exceedance	175	176	176	176	176	176	176	175	175	175	175	175
90% Exceedance	175	175	176	176	176	176	175	175	175	175	175	175
Full Simulation Period Average[a]	176	176	177	177	177	177	176	175	175	175	175	175
Wet Water Years (28%)	175	176	176	176	176	176	176	175	175	175	175	175
Above Normal Years (14%)	175	176	177	177	177	176	176	175	175	175	175	175
Below Normal Years (18%)	176	176	177	177	177	177	176	175	175	175	175	175
Dry Water Years (24%)	176	176	177	177	178	177	176	175	175	175	175	175
Critical Water Years (16%)	176	176	178	177	179	178	176	176	176	175	176	176

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

Table F.2.5-1-3c. Sacramento River downstream of Steamboat Slough Salinity, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

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

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

Table F.2.5-1-4a. Sacramento River downstream of Steamboat Slough Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	177	178	178	179	178	177	176	176	175	176	176
20% Exceedance	176	177	177	178	178	178	176	176	175	175	175	175
30% Exceedance	176	176	177	177	178	177	176	176	175	175	175	175
40% Exceedance	176	176	177	177	177	177	176	175	175	175	175	175
50% Exceedance	175	176	177	177	177	177	176	175	175	175	175	175
60% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
70% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
80% Exceedance	175	176	176	176	176	176	176	175	175	175	175	175
90% Exceedance	175	175	176	176	176	176	175	175	175	175	175	175
Full Simulation Period Average[a]	176	176	177	177	177	177	176	175	175	175	175	175
Wet Water Years (28%)	175	176	176	176	176	176	176	175	175	175	175	175
Above Normal Years (14%)	175	176	177	177	177	176	176	175	175	175	175	175
Below Normal Years (18%)	176	176	177	177	177	177	176	175	175	175	175	175
Dry Water Years (24%)	176	176	177	177	178	177	176	175	175	175	175	175
Critical Water Years (16%)	176	176	178	177	179	178	177	176	176	175	176	175

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

Table F.2.5-1-4b. Sacramento River downstream of Steamboat Slough Salinity, Alt2woTUCPAllVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	177	178	178	179	178	176	176	176	175	175	176
20% Exceedance	176	177	177	178	178	177	176	176	175	175	175	175
30% Exceedance	176	176	177	177	178	177	176	176	175	175	175	175
40% Exceedance	176	176	177	177	177	177	176	175	175	175	175	175
50% Exceedance	175	176	177	177	177	177	176	175	175	175	175	175
60% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
70% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
80% Exceedance	175	176	176	176	176	176	175	175	175	175	175	175
90% Exceedance	175	175	176	176	176	176	175	175	175	175	175	175
Full Simulation Period Average[a]	176	176	177	177	177	177	176	175	175	175	175	175
Wet Water Years (28%)	175	176	176	176	176	176	176	175	175	175	175	175
Above Normal Years (14%)	175	176	177	177	177	176	176	175	175	175	175	175
Below Normal Years (18%)	176	176	177	177	177	177	176	175	175	175	175	175
Dry Water Years (24%)	176	176	177	177	178	177	176	175	175	175	175	175
Critical Water Years (16%)	176	177	178	177	179	178	176	176	176	175	176	176

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

Table F.2.5-1-4c. Sacramento River downstream of Steamboat Slough Salinity, Alt2woTUCPAllVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

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

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

Table F.2.5-1-5a. Sacramento River downstream of Steamboat Slough Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	177	178	178	179	178	177	176	176	175	176	176
20% Exceedance	176	177	177	178	178	178	176	176	175	175	175	175
30% Exceedance	176	176	177	177	178	177	176	176	175	175	175	175
40% Exceedance	176	176	177	177	177	177	176	175	175	175	175	175
50% Exceedance	175	176	177	177	177	177	176	175	175	175	175	175
60% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
70% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
80% Exceedance	175	176	176	176	176	176	176	175	175	175	175	175
90% Exceedance	175	175	176	176	176	176	175	175	175	175	175	175
Full Simulation Period Average[a]	176	176	177	177	177	177	176	175	175	175	175	175
Wet Water Years (28%)	175	176	176	176	176	176	176	175	175	175	175	175
Above Normal Years (14%)	175	176	177	177	177	176	176	175	175	175	175	175
Below Normal Years (18%)	176	176	177	177	177	177	176	175	175	175	175	175
Dry Water Years (24%)	176	176	177	177	178	177	176	175	175	175	175	175
Critical Water Years (16%)	176	176	178	177	179	178	177	176	176	175	176	175

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

Table F.2.5-1-5b. Sacramento River downstream of Steamboat Slough Salinity, Alt2wTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	177	178	178	179	178	177	176	176	175	176	176
20% Exceedance	176	177	177	177	178	178	176	176	175	175	175	175
30% Exceedance	176	176	177	177	178	177	176	176	175	175	175	175
40% Exceedance	176	176	177	177	177	177	176	175	175	175	175	175
50% Exceedance	175	176	177	177	177	177	176	175	175	175	175	175
60% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
70% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
80% Exceedance	175	176	176	176	176	176	176	175	175	175	175	175
90% Exceedance	175	175	176	176	176	176	175	175	175	175	175	175
Full Simulation Period Average[a]	176	176	177	177	177	177	176	175	175	175	175	175
Wet Water Years (28%)	175	176	176	176	176	176	176	175	175	175	175	175
Above Normal Years (14%)	175	176	177	177	177	176	176	175	175	175	175	175
Below Normal Years (18%)	176	176	177	177	177	177	176	175	175	175	175	175
Dry Water Years (24%)	176	176	177	177	178	177	176	175	175	175	175	175
Critical Water Years (16%)	176	176	178	177	179	178	177	176	176	175	176	176

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

Table F.2.5-1-5c. Sacramento River downstream of Steamboat Slough Salinity, Alt2wTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

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

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

Table F.2.5-1-6a. Sacramento River downstream of Steamboat Slough Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	177	178	178	179	178	177	176	176	175	176	176
20% Exceedance	176	177	177	178	178	178	176	176	175	175	175	175
30% Exceedance	176	176	177	177	178	177	176	176	175	175	175	175
40% Exceedance	176	176	177	177	177	177	176	175	175	175	175	175
50% Exceedance	175	176	177	177	177	177	176	175	175	175	175	175
60% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
70% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
80% Exceedance	175	176	176	176	176	176	176	175	175	175	175	175
90% Exceedance	175	175	176	176	176	176	175	175	175	175	175	175
Full Simulation Period Average[a]	176	176	177	177	177	177	176	175	175	175	175	175
Wet Water Years (28%)	175	176	176	176	176	176	176	175	175	175	175	175
Above Normal Years (14%)	175	176	177	177	177	176	176	175	175	175	175	175
Below Normal Years (18%)	176	176	177	177	177	177	176	175	175	175	175	175
Dry Water Years (24%)	176	176	177	177	178	177	176	175	175	175	175	175
Critical Water Years (16%)	176	176	178	177	179	178	177	176	176	175	176	175

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

Table F.2.5-1-6b. Sacramento River downstream of Steamboat Slough Salinity, Alternative 3, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	177	178	178	179	178	176	176	176	175	175	176
20% Exceedance	176	177	177	177	178	177	176	176	176	175	175	175
30% Exceedance	176	176	177	177	178	177	176	176	176	175	175	175
40% Exceedance	176	176	177	177	177	177	176	175	176	175	175	175
50% Exceedance	176	176	176	177	177	177	176	175	176	175	175	175
60% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
70% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
80% Exceedance	175	176	176	176	176	176	175	175	175	175	175	175
90% Exceedance	175	176	176	176	176	176	175	175	175	175	175	175
Full Simulation Period Average[a]	176	176	177	177	177	177	176	175	176	175	175	175
Wet Water Years (28%)	175	176	176	176	176	176	175	175	175	175	175	175
Above Normal Years (14%)	176	176	177	176	177	176	175	175	176	175	175	175
Below Normal Years (18%)	176	176	177	177	177	177	176	175	176	175	175	175
Dry Water Years (24%)	176	176	177	177	178	177	176	175	175	175	175	175
Critical Water Years (16%)	176	176	177	177	179	178	176	176	176	175	175	176

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

Table F.2.5-1-6c. Sacramento River downstream of Steamboat Slough Salinity, Alternative 3 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

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

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

Table F.2.5-1-7a. Sacramento River downstream of Steamboat Slough Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	177	178	178	179	178	177	176	176	175	176	176
20% Exceedance	176	177	177	178	178	178	176	176	175	175	175	175
30% Exceedance	176	176	177	177	178	177	176	176	175	175	175	175
40% Exceedance	176	176	177	177	177	177	176	175	175	175	175	175
50% Exceedance	175	176	177	177	177	177	176	175	175	175	175	175
60% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
70% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
80% Exceedance	175	176	176	176	176	176	176	175	175	175	175	175
90% Exceedance	175	175	176	176	176	176	175	175	175	175	175	175
Full Simulation Period Average[a]	176	176	177	177	177	177	176	175	175	175	175	175
Wet Water Years (28%)	175	176	176	176	176	176	176	175	175	175	175	175
Above Normal Years (14%)	175	176	177	177	177	176	176	175	175	175	175	175
Below Normal Years (18%)	176	176	177	177	177	177	176	175	175	175	175	175
Dry Water Years (24%)	176	176	177	177	178	177	176	175	175	175	175	175
Critical Water Years (16%)	176	176	178	177	179	178	177	176	176	175	176	175

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

Table F.2.5-1-7b. Sacramento River downstream of Steamboat Slough Salinity, Alternative 4, Monthly Electrical Conductivity (UMHOS/CM)

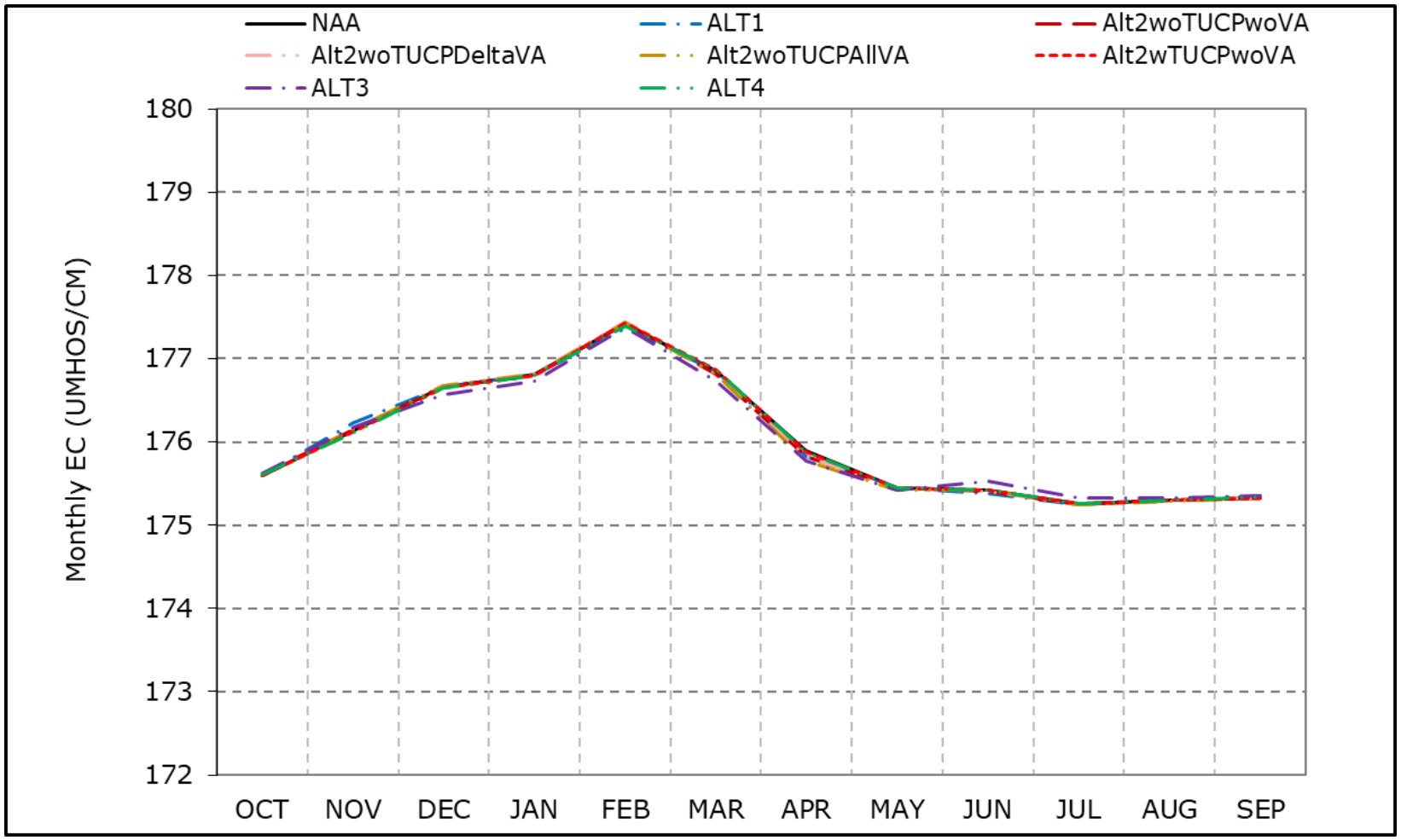
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	177	178	178	179	178	177	176	176	175	176	176
20% Exceedance	176	177	177	177	178	178	176	176	175	175	175	175
30% Exceedance	176	176	177	177	178	177	176	176	175	175	175	175
40% Exceedance	176	176	177	177	177	177	176	175	175	175	175	175
50% Exceedance	176	176	176	177	177	177	176	175	175	175	175	175
60% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
70% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
80% Exceedance	175	176	176	176	176	176	176	175	175	175	175	175
90% Exceedance	175	175	176	176	176	176	175	175	175	175	175	175
Full Simulation Period Average[a]	176	176	177	177	177	177	176	175	175	175	175	175
Wet Water Years (28%)	175	176	176	176	176	176	176	175	175	175	175	175
Above Normal Years (14%)	176	176	177	177	177	176	176	175	175	175	175	175
Below Normal Years (18%)	176	176	177	177	177	177	176	175	175	175	175	175
Dry Water Years (24%)	176	176	177	177	178	177	176	175	175	175	175	175
Critical Water Years (16%)	176	176	178	177	179	178	177	176	176	175	176	175

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

Table F.2.5-1-7c. Sacramento River downstream of Steamboat Slough Salinity, Alternative 4 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

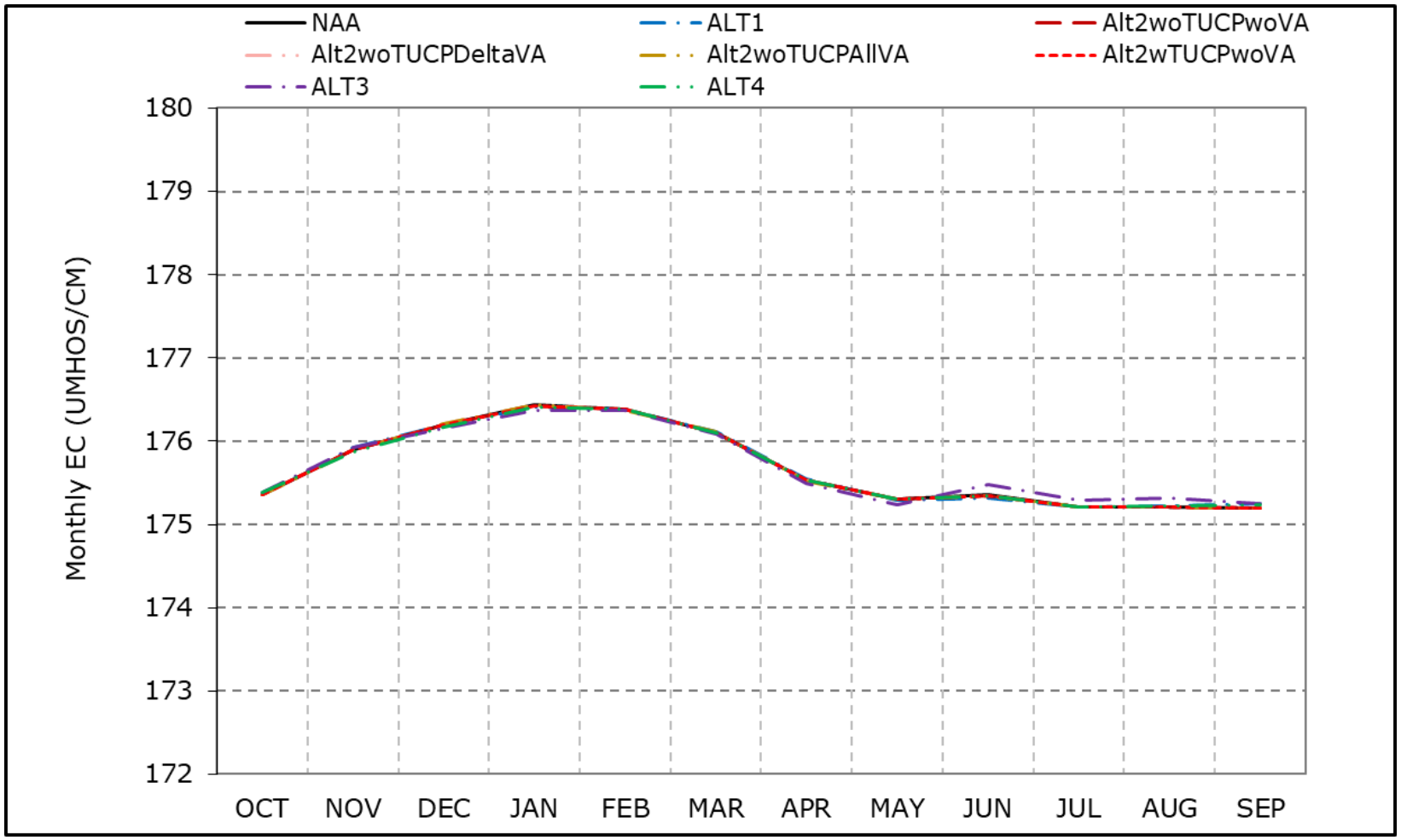
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance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

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



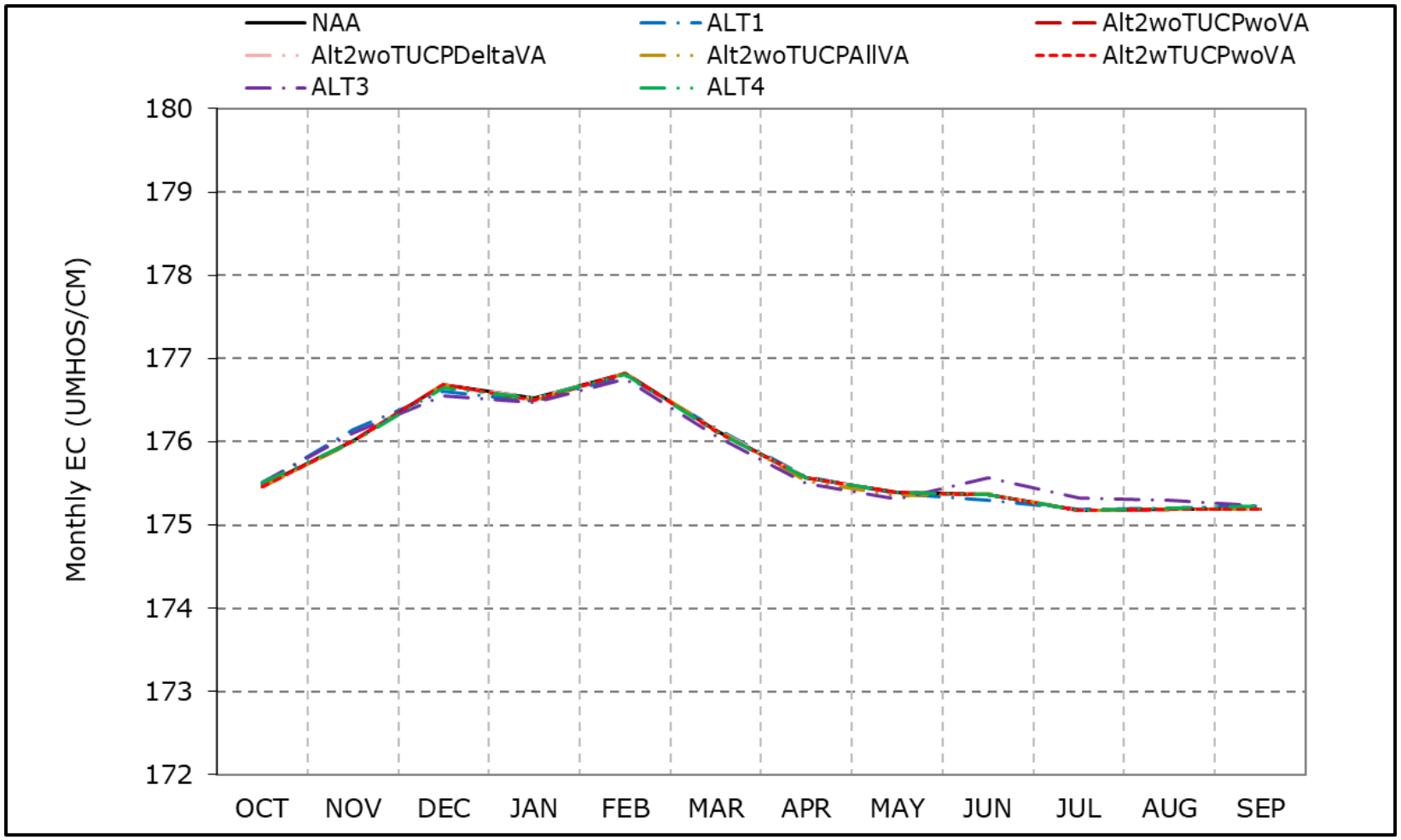
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-1-1. Sacramento River downstream of Steamboat Slough Salinity, Long-Term Average Electrical Conductivity



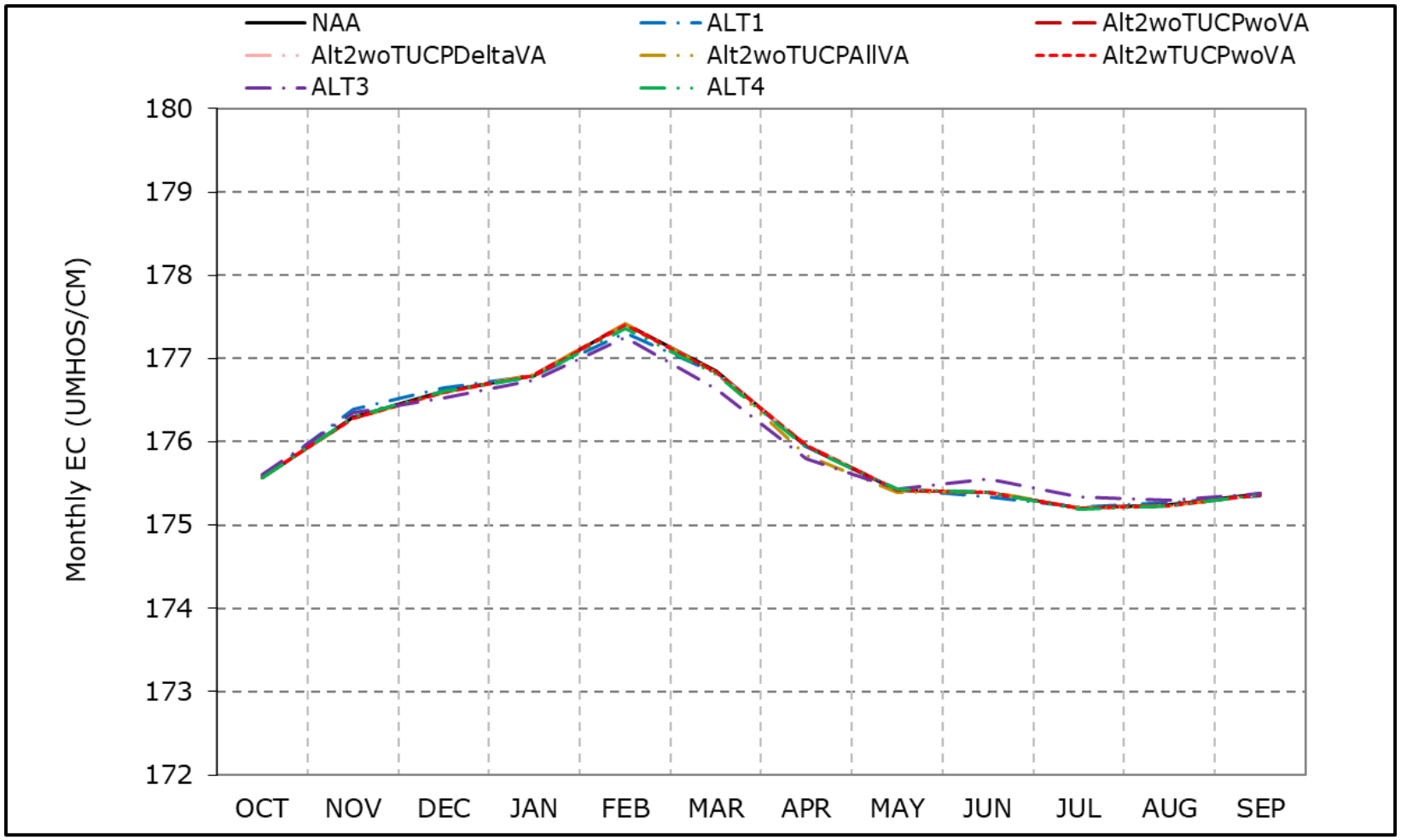
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-1-2. Sacramento River downstream of Steamboat Slough Salinity, Wet Year Average Electrical Conductivity



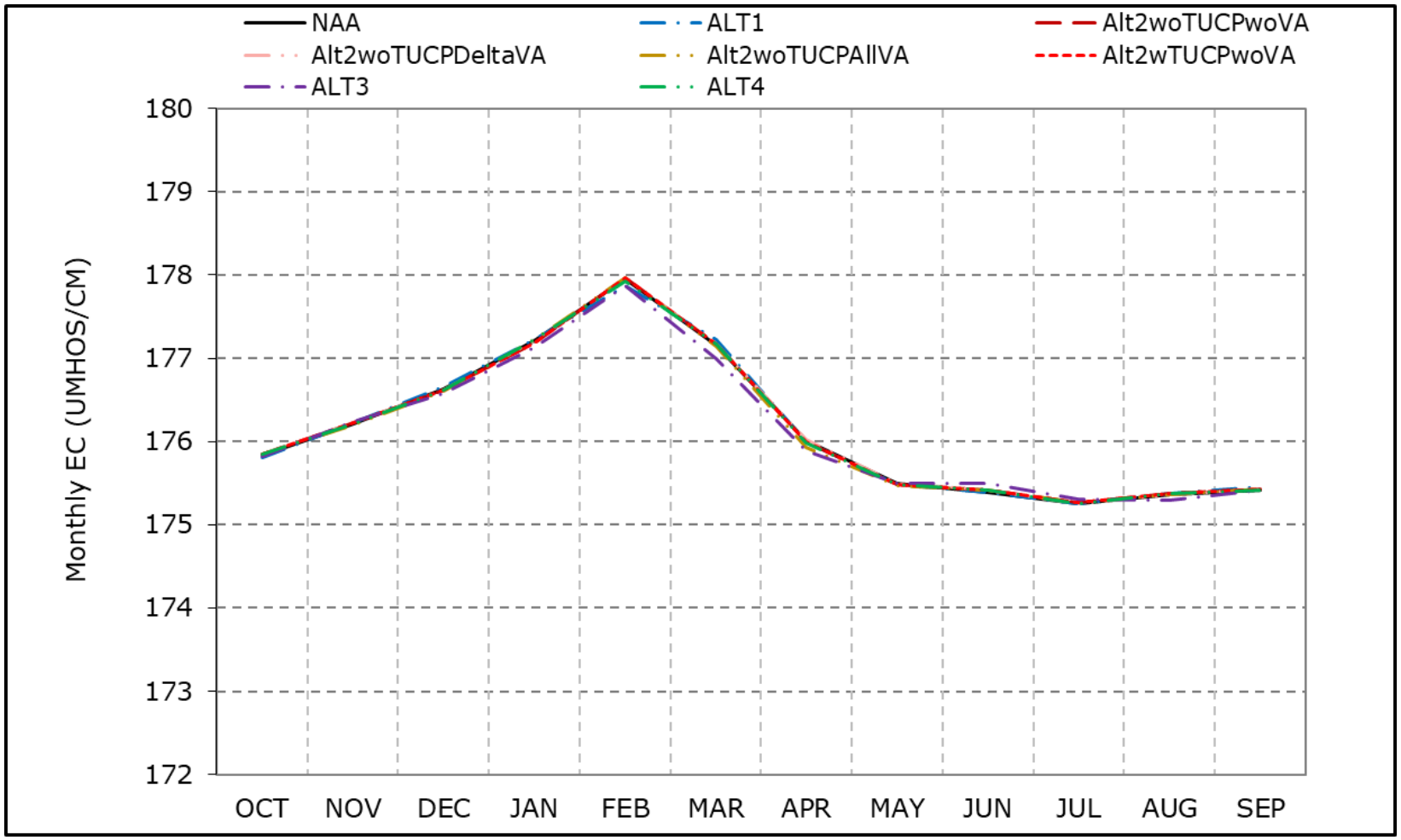
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-1-3. Sacramento River downstream of Steamboat Slough Salinity, Above Normal Year Average Electrical Conductivity



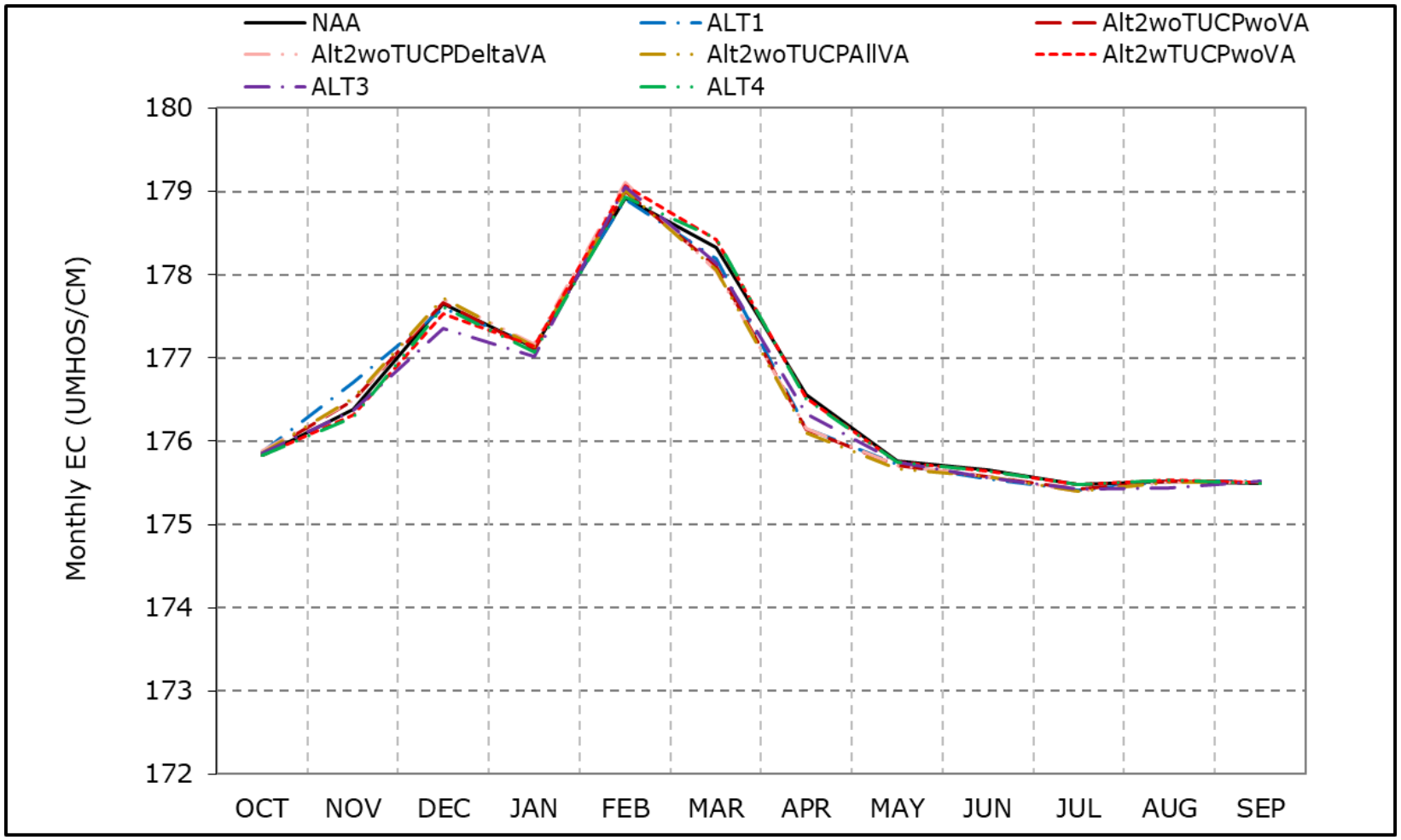
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-1-4. Sacramento River downstream of Steamboat Slough Salinity, Below Normal Year Average Electrical Conductivity



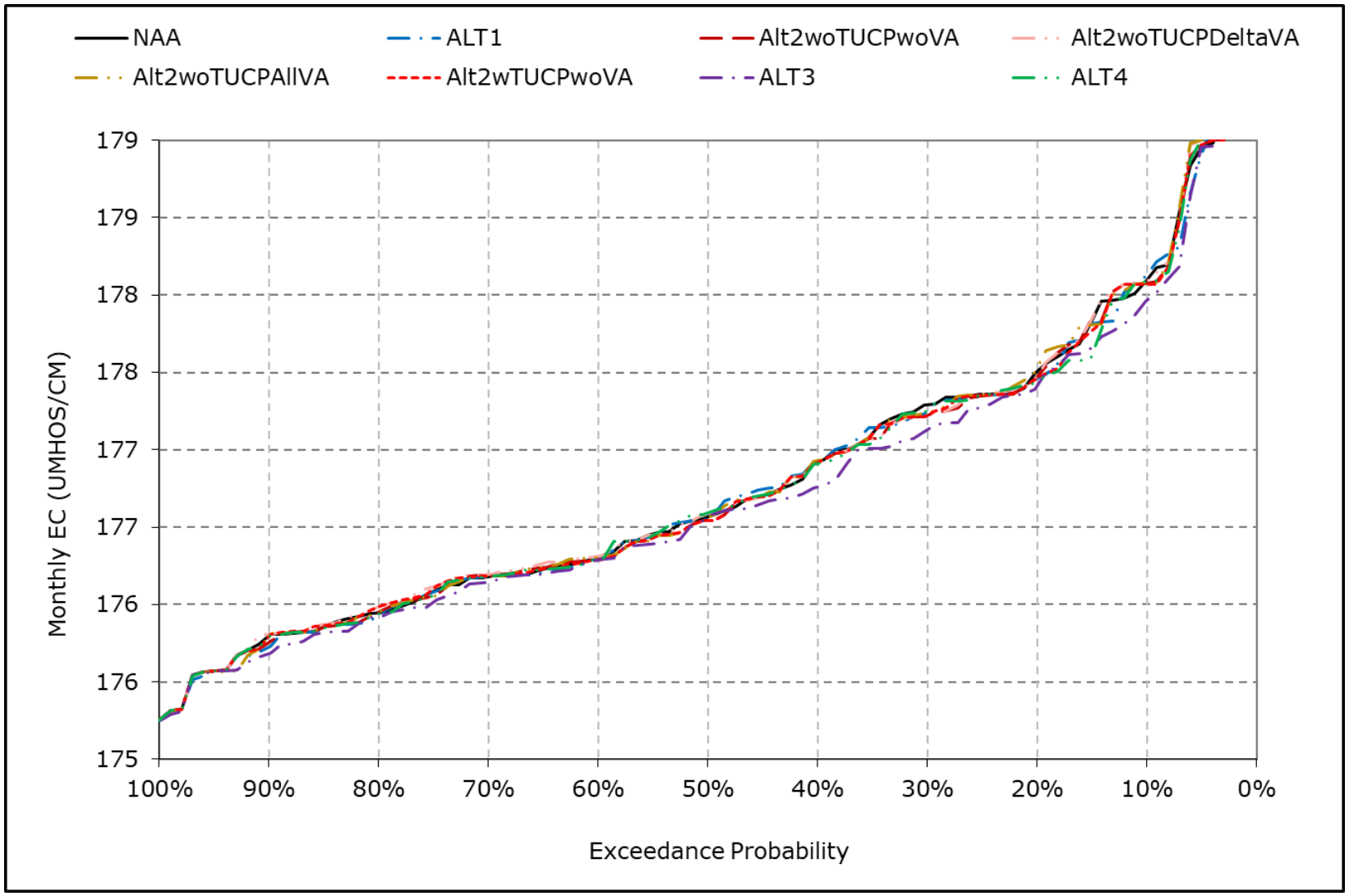
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-1-5. Sacramento River downstream of Steamboat Slough Salinity, Dry Year Average Electrical Conductivity



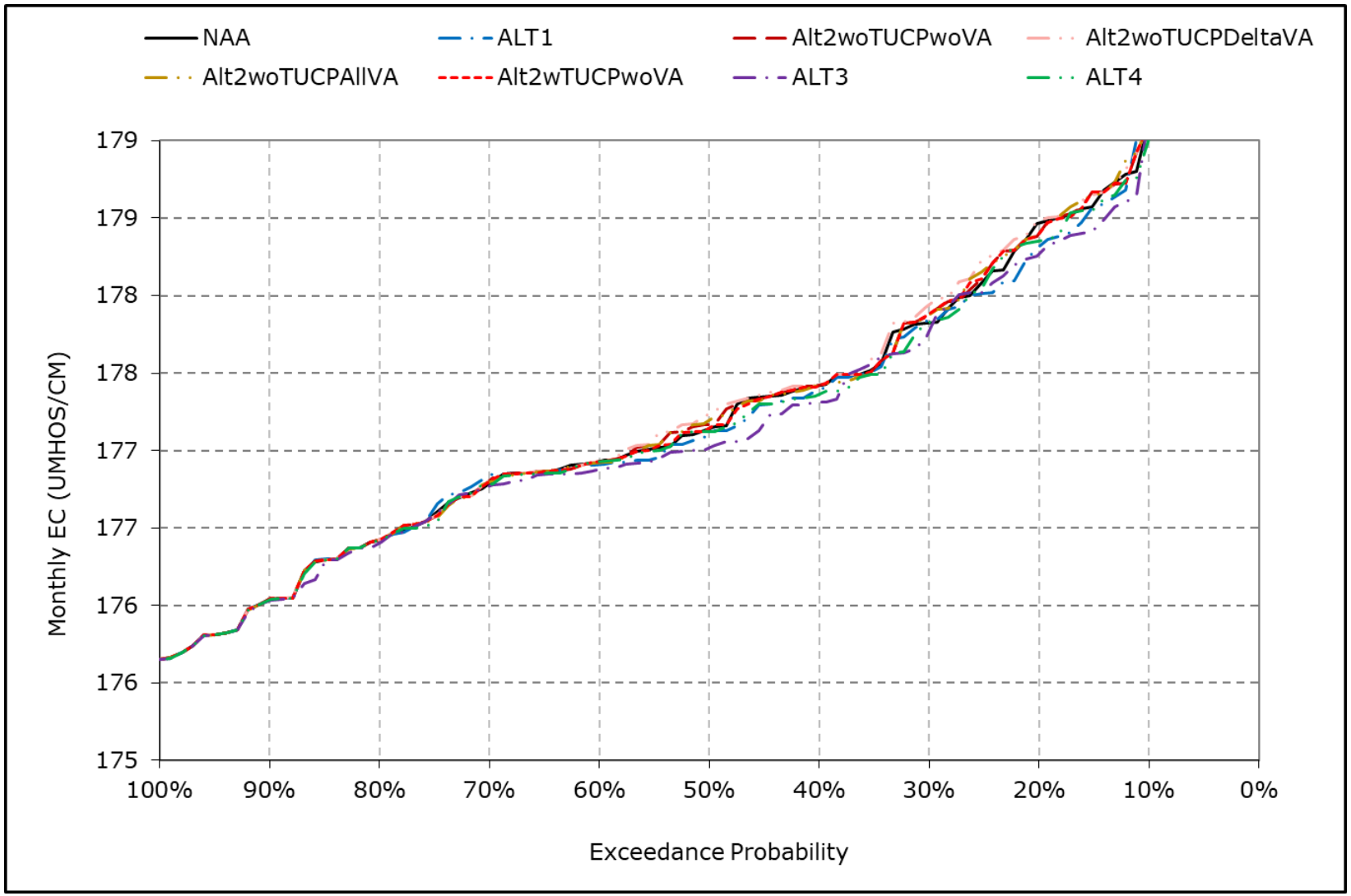
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-1-6. Sacramento River downstream of Steamboat Slough Salinity, Critical Year Average Electrical Conductivity



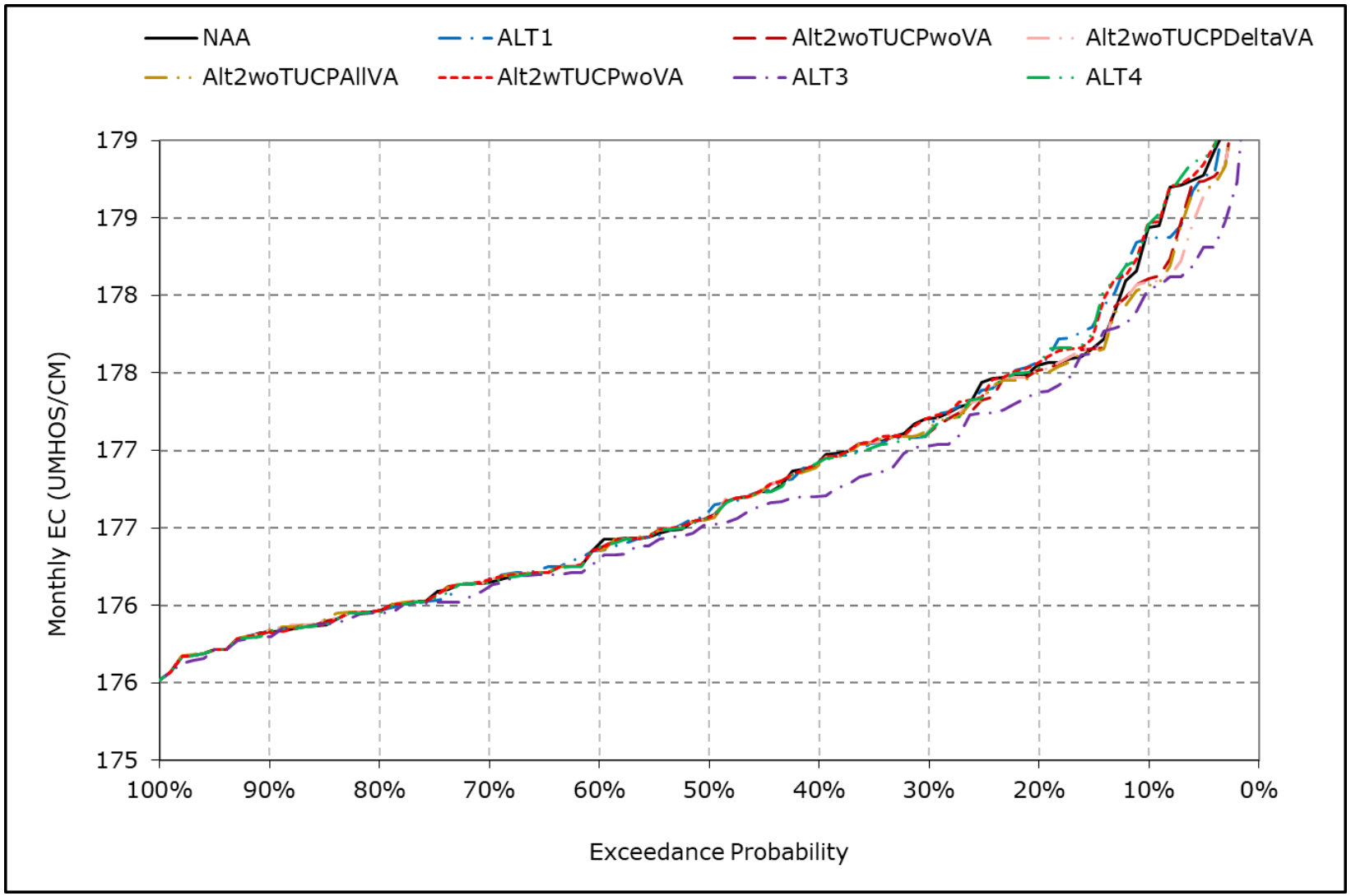
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-1-7. Sacramento River downstream of Steamboat Slough Salinity, January Electrical Conductivity



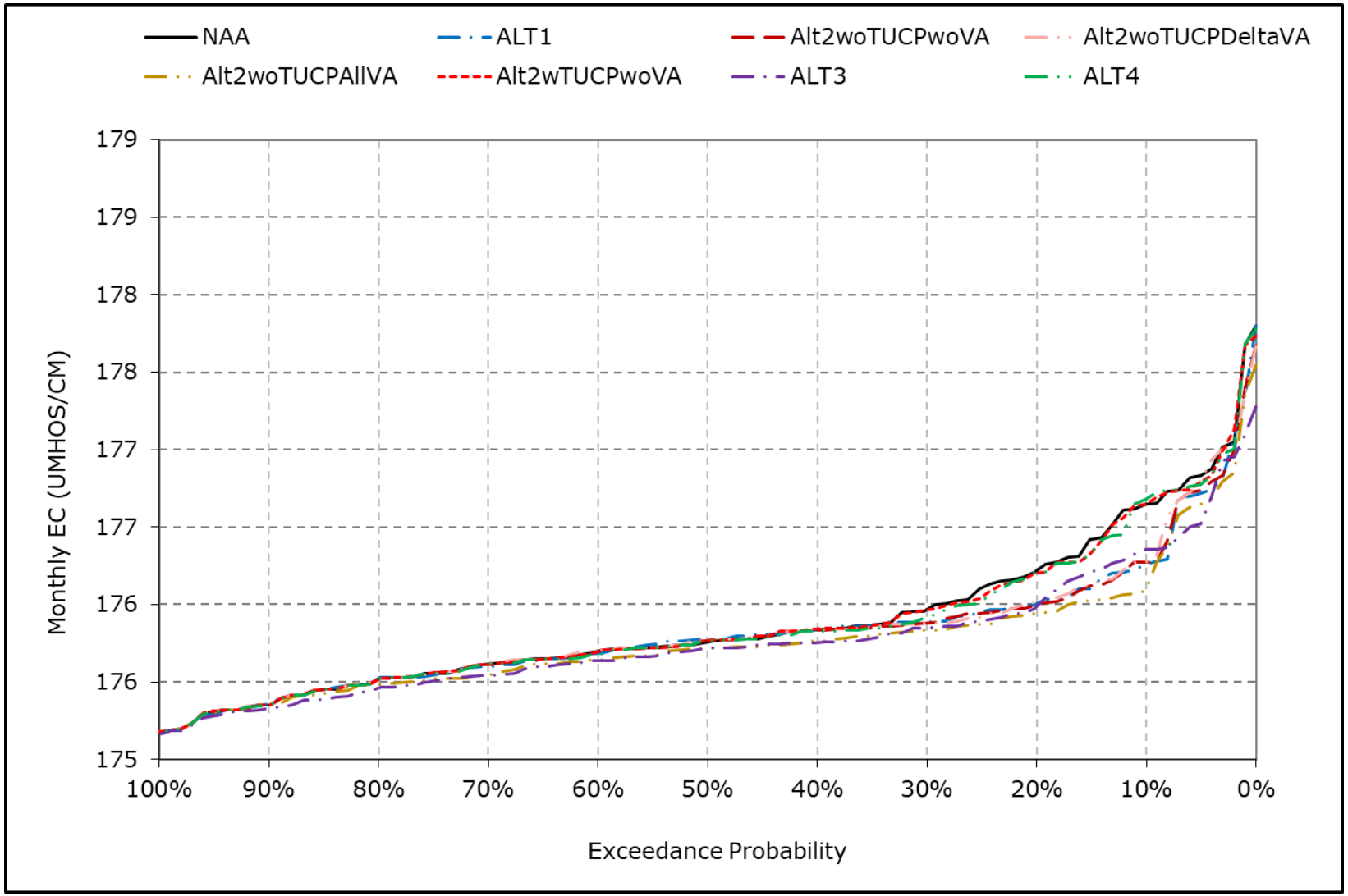
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-1-8. Sacramento River downstream of Steamboat Slough Salinity, February Electrical Conductivity



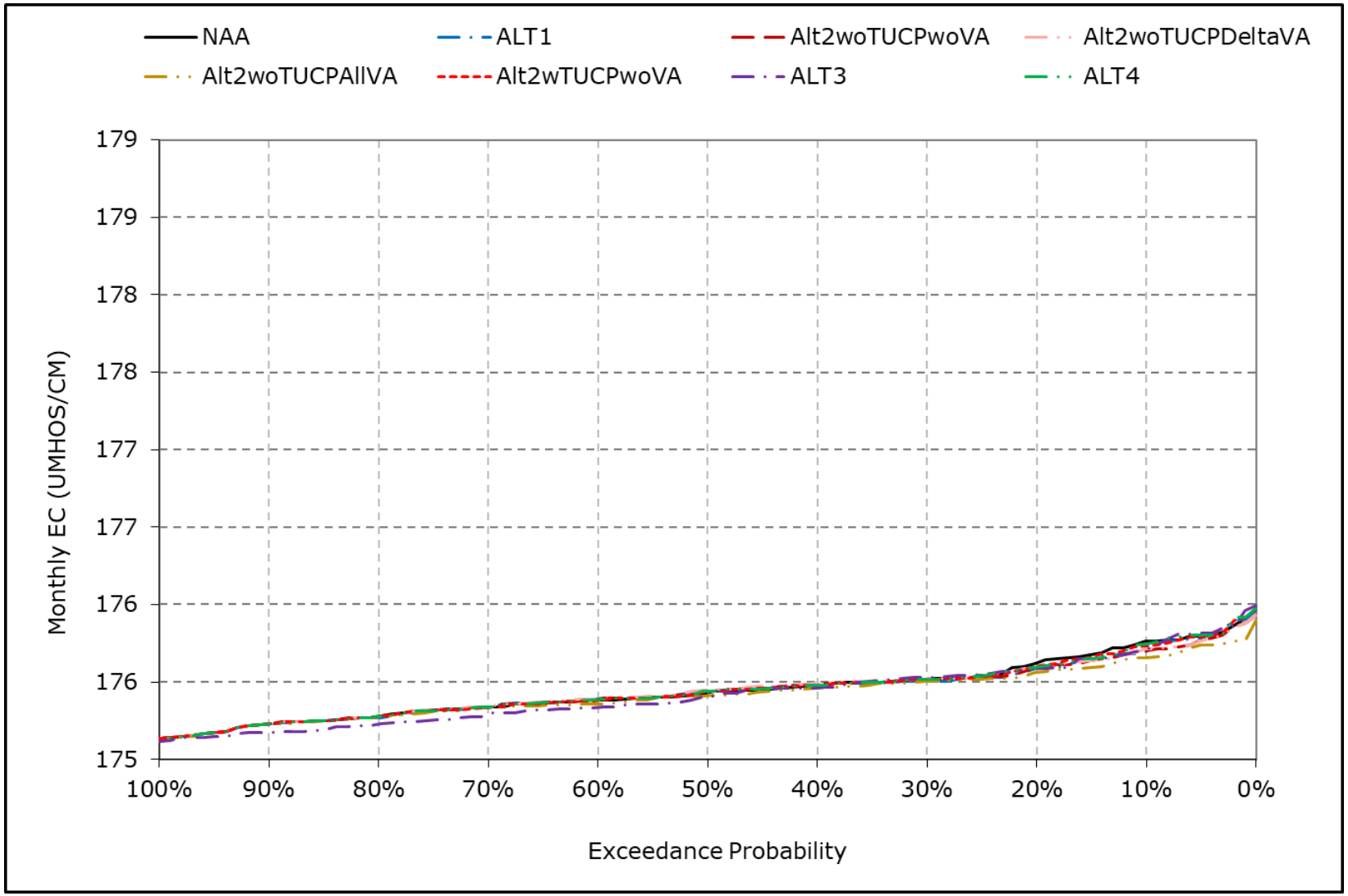
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-1-9. Sacramento River downstream of Steamboat Slough Salinity, March Electrical Conductivity



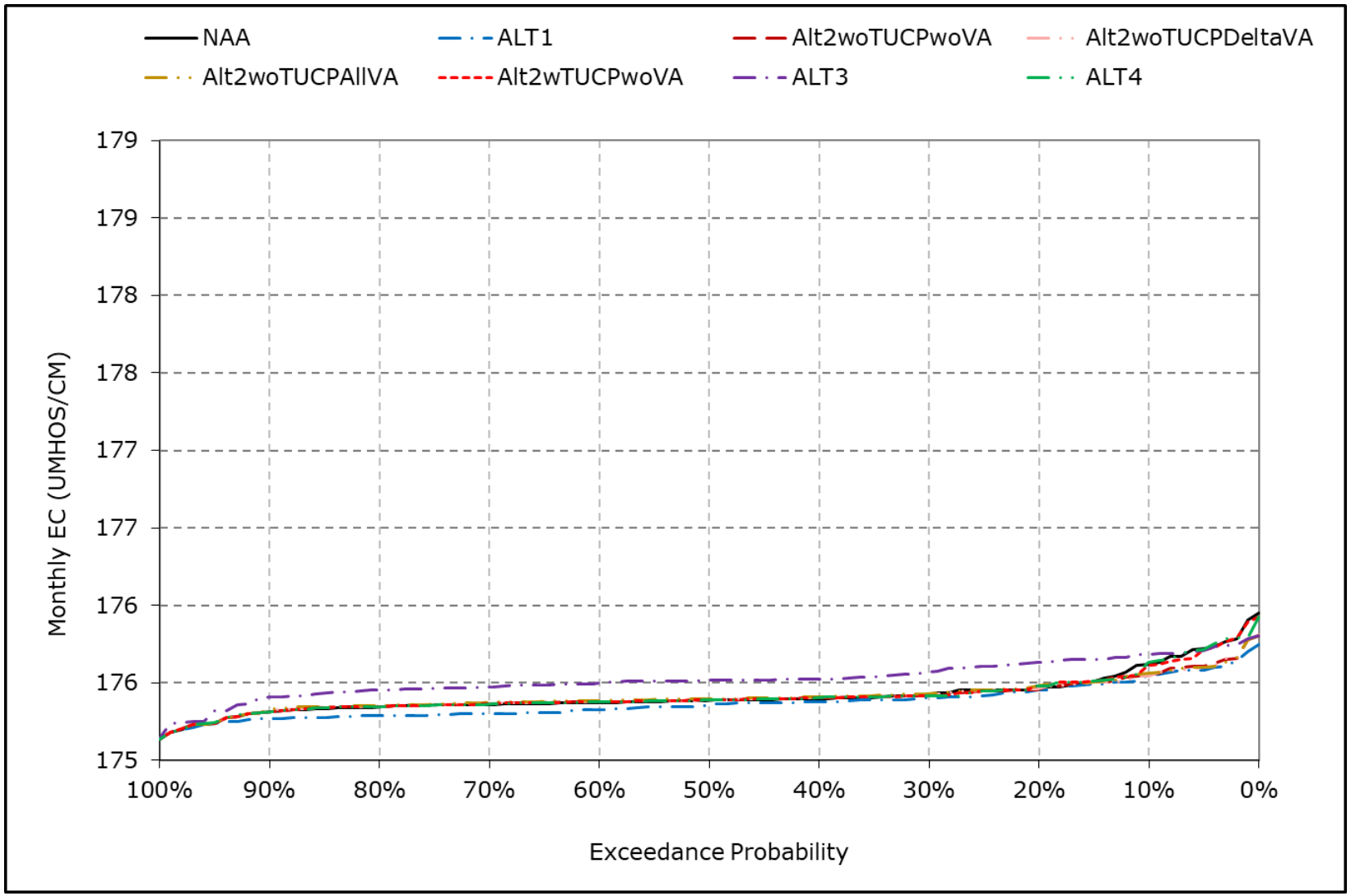
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-1-10. Sacramento River downstream of Steamboat Slough Salinity, April Electrical Conductivity



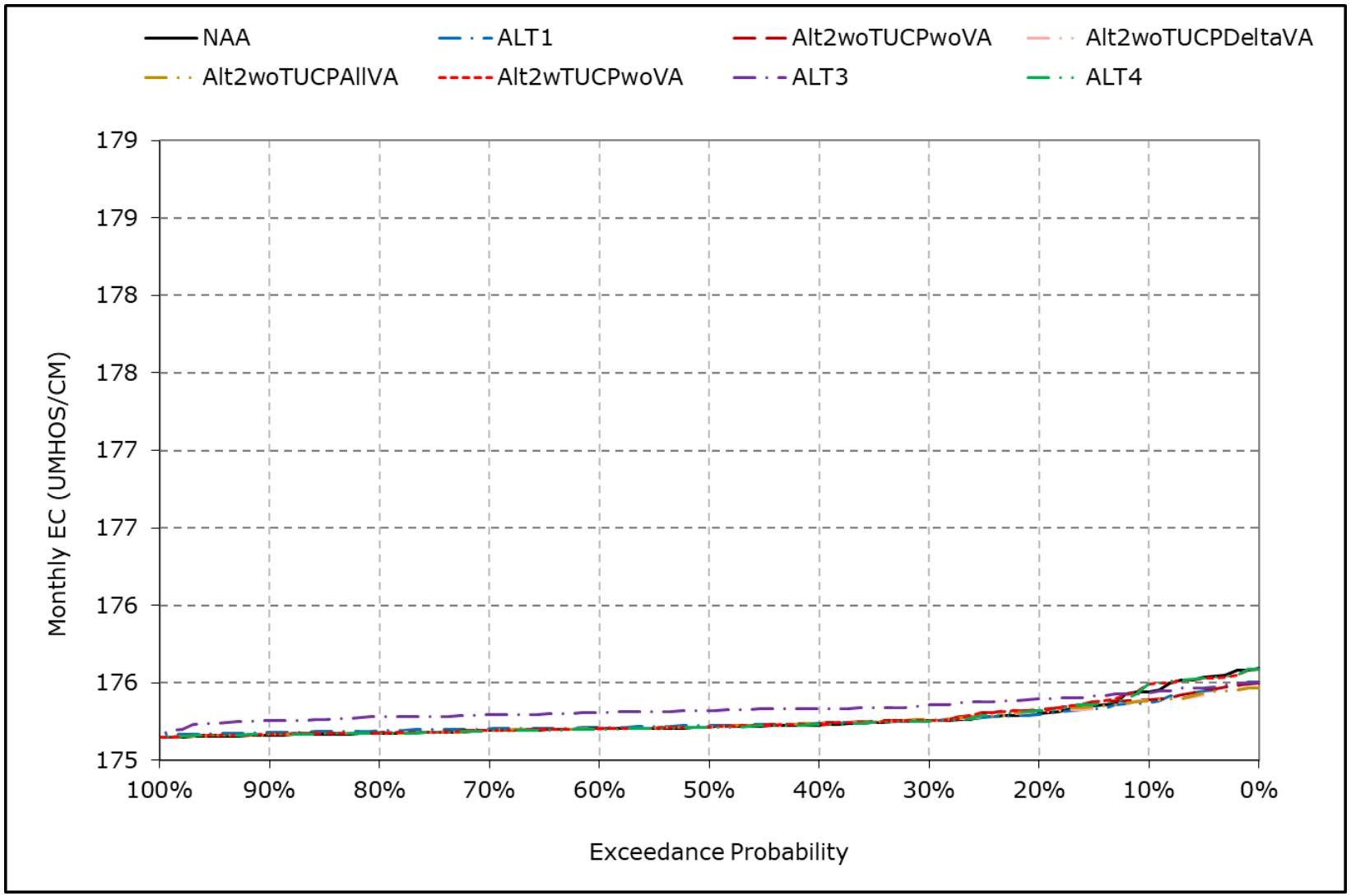
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-1-11. Sacramento River downstream of Steamboat Slough Salinity, May Electrical Conductivity



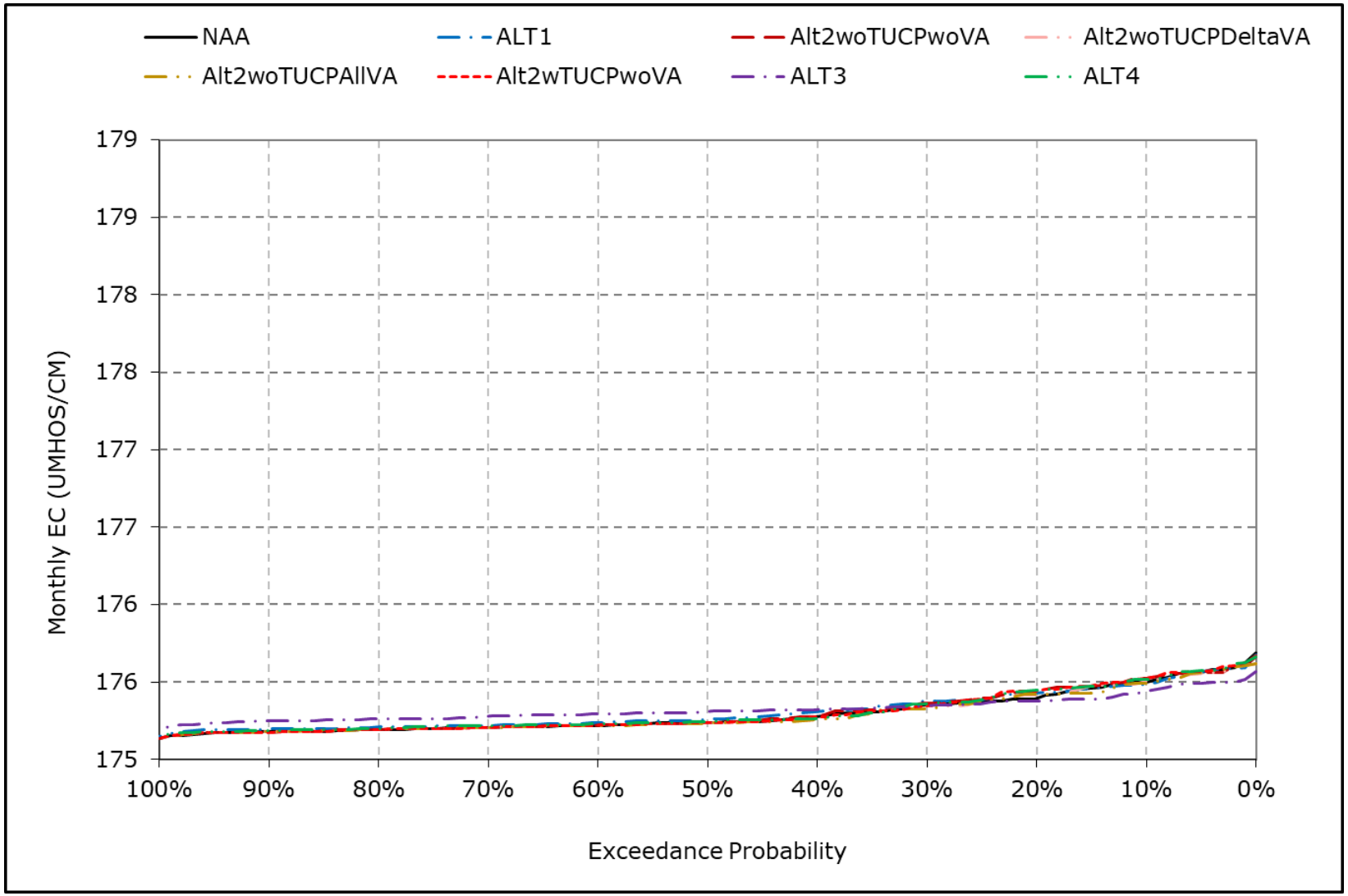
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-1-12. Sacramento River downstream of Steamboat Slough Salinity, June Electrical Conductivity



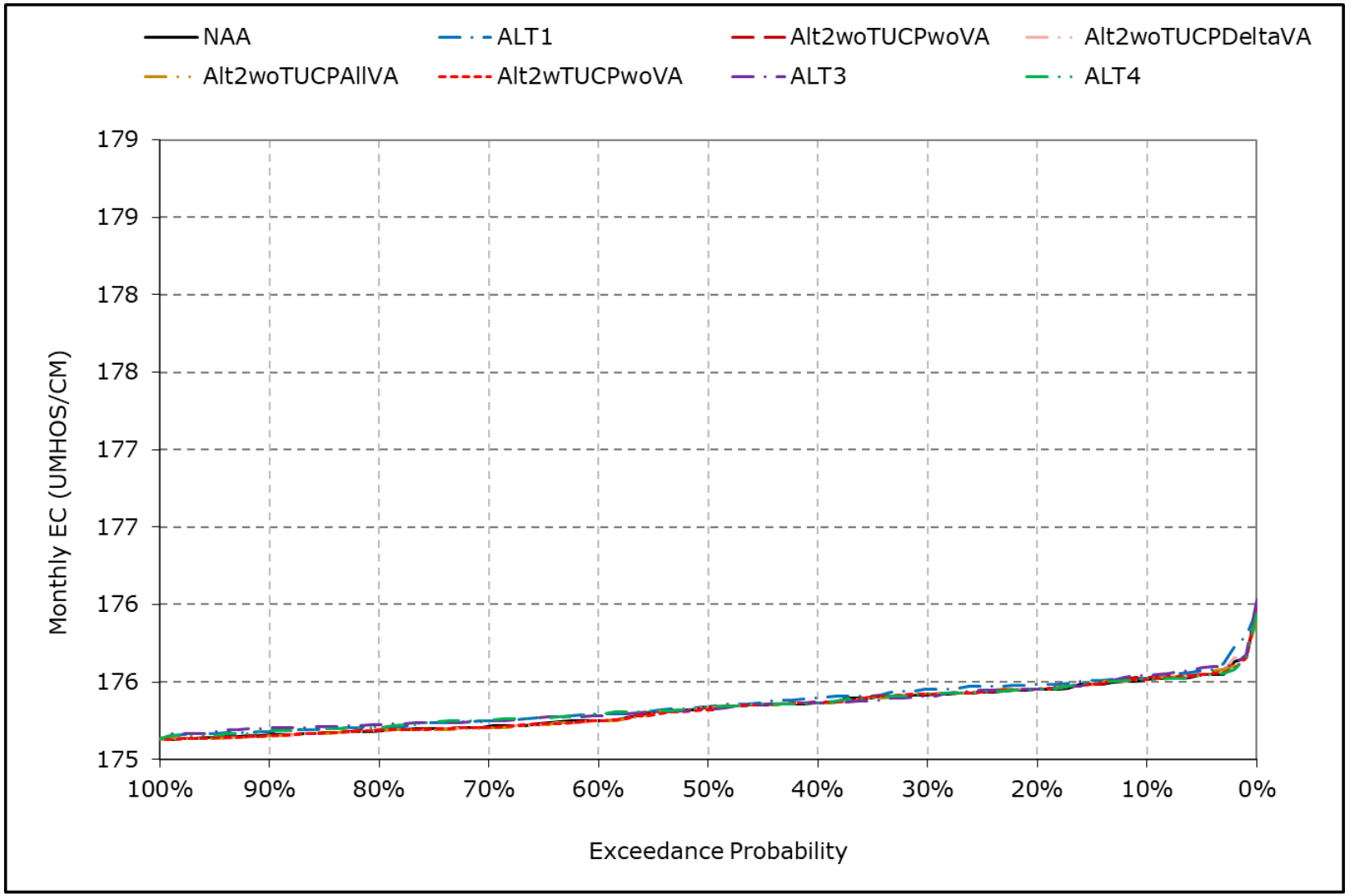
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-1-13. Sacramento River downstream of Steamboat Slough Salinity, July Electrical Conductivity



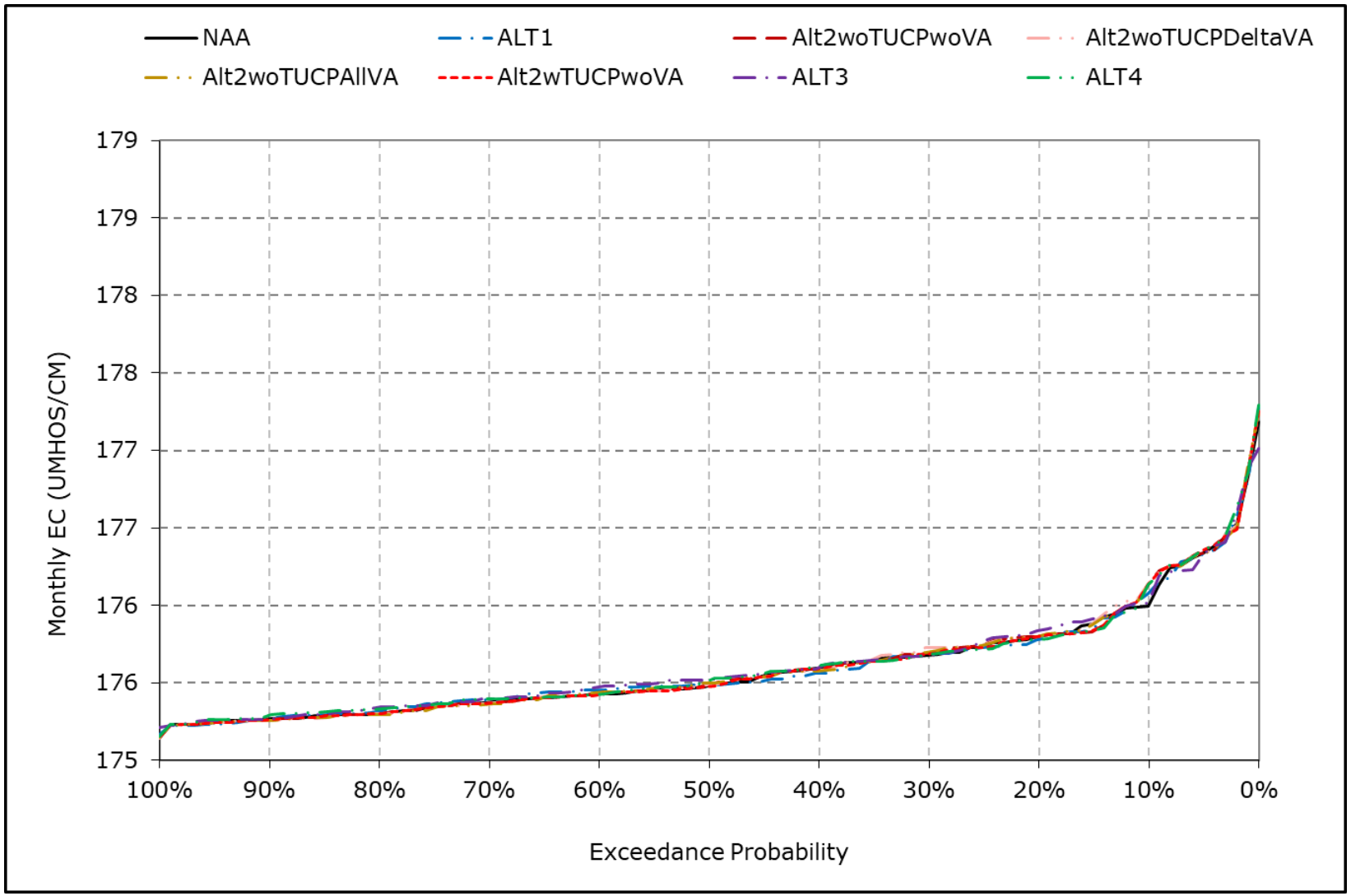
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-1-14. Sacramento River downstream of Steamboat Slough Salinity, August Electrical Conductivity



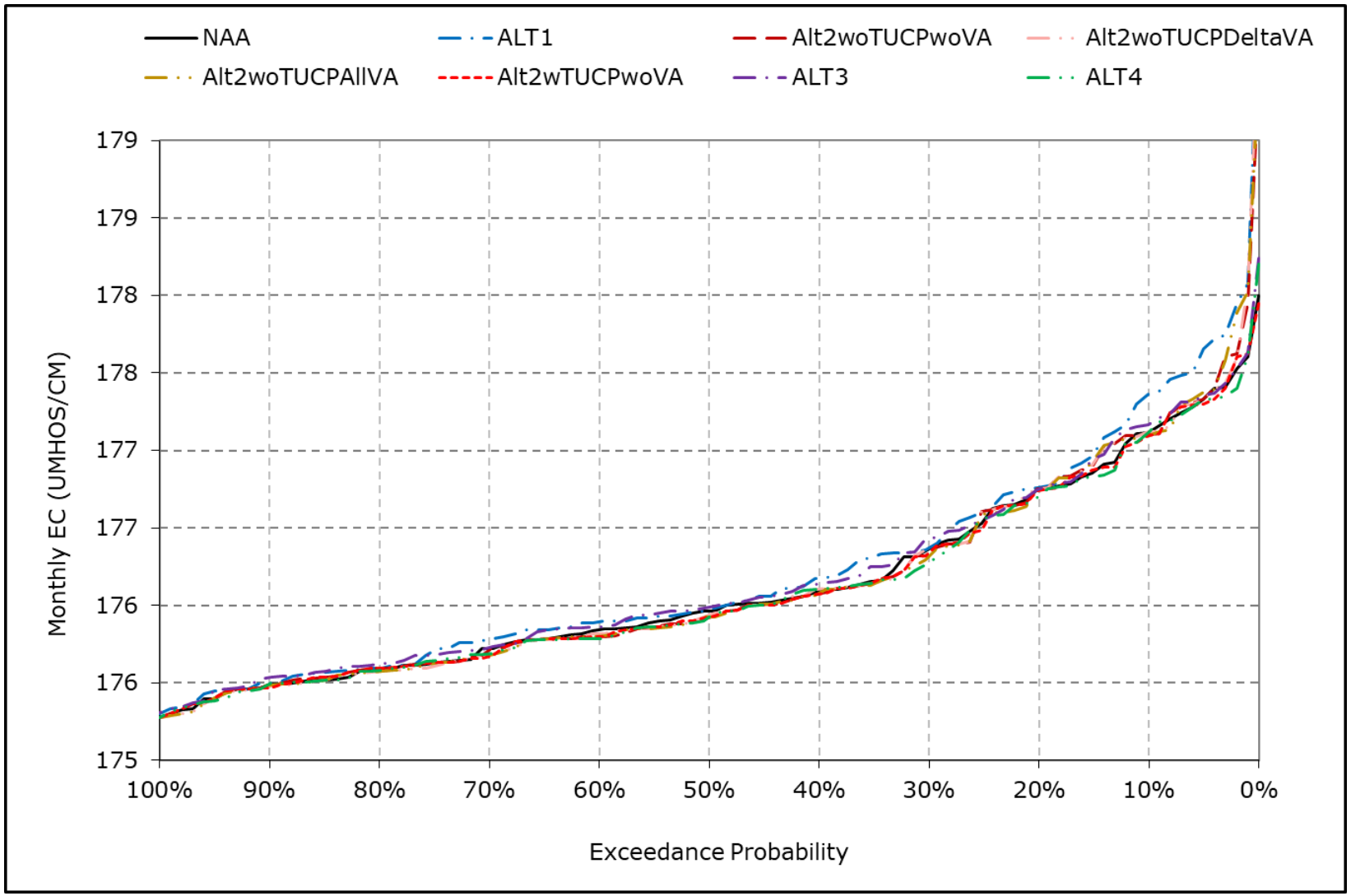
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-1-15. Sacramento River downstream of Steamboat Slough Salinity, September Electrical Conductivity



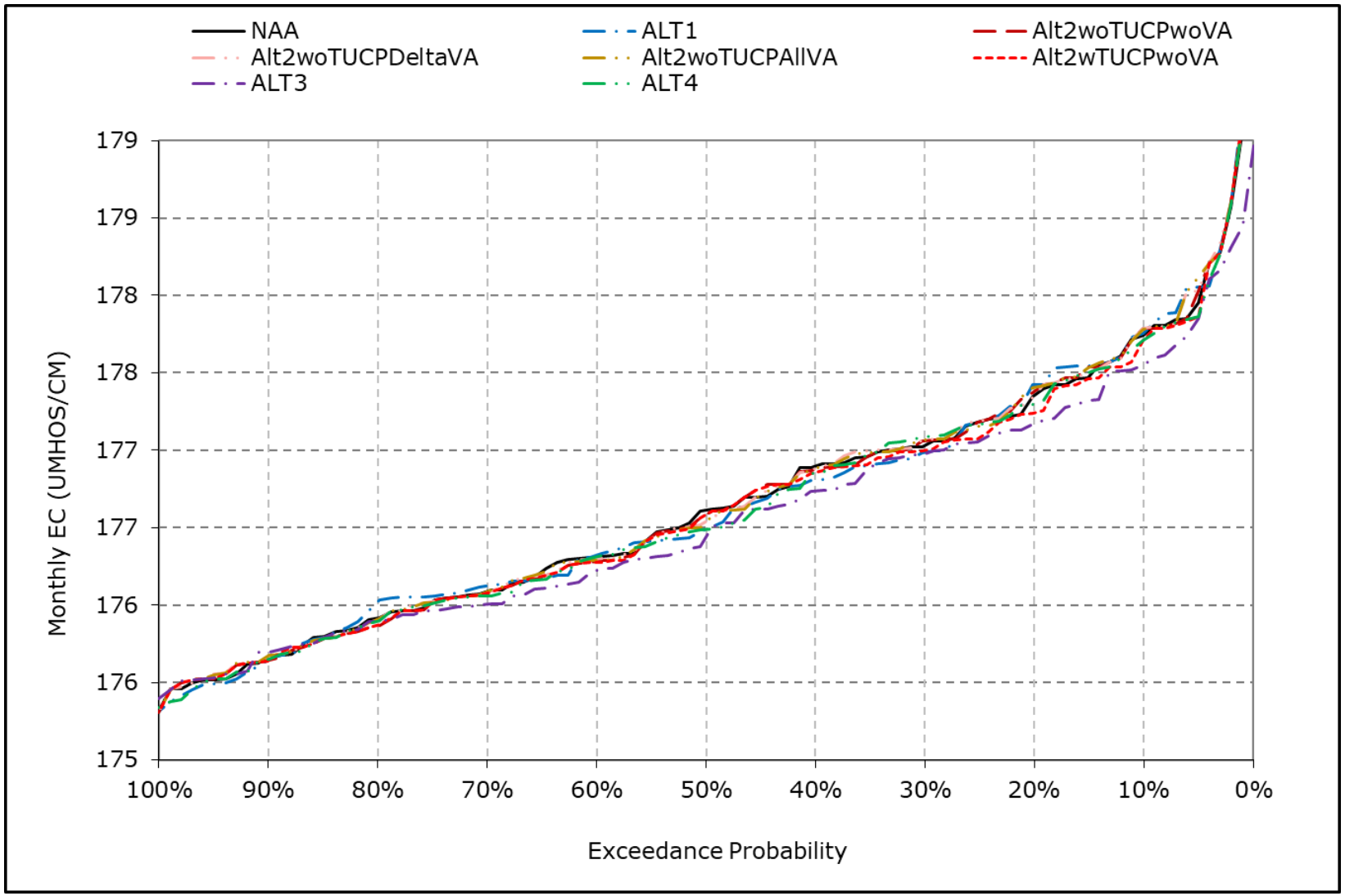
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-1-16. Sacramento River downstream of Steamboat Slough Salinity, October Electrical Conductivity



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

Figure F.2.5-1-17. Sacramento River downstream of Steamboat Slough Salinity, November Electrical Conductivity



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

Figure F.2.5-1-18. Sacramento River downstream of Steamboat Slough Salinity, December Electrical Conductivity

Table F.2.5-2-1a. Cache Slough at Ryer Island Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	190	196	193	192	195	195	193	188	192	197	195	189
20% Exceedance	187	191	190	190	192	192	189	184	183	181	186	186
30% Exceedance	185	188	189	188	190	190	187	183	182	180	183	184
40% Exceedance	184	186	186	186	189	189	186	183	182	180	181	182
50% Exceedance	182	185	185	185	187	188	185	182	182	180	180	181
60% Exceedance	181	183	184	183	184	185	184	182	181	179	180	179
70% Exceedance	180	182	183	182	182	183	183	181	181	179	179	179
80% Exceedance	180	181	181	180	180	181	182	180	181	179	179	179
90% Exceedance	179	181	179	178	178	179	180	179	180	179	179	179
Full Simulation Period Average[a]	184	187	186	185	186	187	186	183	184	183	183	183
Wet Water Years (28%)	180	182	183	180	180	181	181	180	181	179	179	179
Above Normal Years (14%)	180	183	186	184	183	182	183	181	181	179	179	179
Below Normal Years (18%)	184	186	184	186	188	188	186	182	182	180	180	182
Dry Water Years (24%)	185	187	186	188	190	190	187	183	182	181	184	184
Critical Water Years (16%)	193	200	193	191	194	196	195	191	199	200	198	191

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

Table F.2.5-2-1b. Cache Slough at Ryer Island Salinity, Alternative 1, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	190	198	198	194	194	194	190	186	186	186	190	188
20% Exceedance	187	192	195	192	192	193	189	184	182	181	186	186
30% Exceedance	186	190	191	189	190	190	187	183	182	181	184	185
40% Exceedance	184	188	189	187	188	189	186	183	181	180	182	183
50% Exceedance	183	187	187	186	187	187	185	182	181	180	180	181
60% Exceedance	182	185	185	184	184	185	184	182	181	180	180	180
70% Exceedance	181	184	183	182	182	183	183	181	181	179	180	180
80% Exceedance	180	182	181	180	180	181	182	180	180	179	180	179
90% Exceedance	180	181	179	178	178	179	180	179	180	179	179	179
Full Simulation Period Average[a]	184	188	188	186	186	187	185	182	182	181	183	183
Wet Water Years (28%)	181	183	184	180	180	181	181	180	180	179	180	180
Above Normal Years (14%)	181	185	186	184	183	183	183	181	180	179	180	180
Below Normal Years (18%)	184	188	186	187	188	187	186	182	181	180	181	182
Dry Water Years (24%)	185	188	190	190	190	190	187	183	182	181	184	185
Critical Water Years (16%)	193	202	195	193	194	195	190	188	191	188	192	190

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

Table F.2.5-2-1c. Cache Slough at Ryer Island Salinity, Alternative 1 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

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

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

Table F.2.5-2-2a. Cache Slough at Ryer Island Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	190	196	193	192	195	195	193	188	192	197	195	189
20% Exceedance	187	191	190	190	192	192	189	184	183	181	186	186
30% Exceedance	185	188	189	188	190	190	187	183	182	180	183	184
40% Exceedance	184	186	186	186	189	189	186	183	182	180	181	182
50% Exceedance	182	185	185	185	187	188	185	182	182	180	180	181
60% Exceedance	181	183	184	183	184	185	184	182	181	179	180	179
70% Exceedance	180	182	183	182	182	183	183	181	181	179	179	179
80% Exceedance	180	181	181	180	180	181	182	180	181	179	179	179
90% Exceedance	179	181	179	178	178	179	180	179	180	179	179	179
Full Simulation Period Average[a]	184	187	186	185	186	187	186	183	184	183	183	183
Wet Water Years (28%)	180	182	183	180	180	181	181	180	181	179	179	179
Above Normal Years (14%)	180	183	186	184	183	182	183	181	181	179	179	179
Below Normal Years (18%)	184	186	184	186	188	188	186	182	182	180	180	182
Dry Water Years (24%)	185	187	186	188	190	190	187	183	182	181	184	184
Critical Water Years (16%)	193	200	193	191	194	196	195	191	199	200	198	191

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

Table F.2.5-2-2b. Cache Slough at Ryer Island Salinity, Alt2woTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	191	195	192	192	195	194	190	186	186	186	191	189
20% Exceedance	188	191	190	190	192	193	188	184	182	182	187	186
30% Exceedance	185	188	189	188	190	190	187	183	182	181	184	184
40% Exceedance	184	186	186	186	189	189	186	183	182	180	181	182
50% Exceedance	183	184	185	185	187	187	185	182	182	180	180	181
60% Exceedance	181	183	184	183	184	185	184	182	181	180	180	179
70% Exceedance	180	182	183	182	182	182	183	181	181	179	179	179
80% Exceedance	180	181	181	180	180	181	182	180	181	179	179	179
90% Exceedance	180	181	179	178	178	179	180	179	180	179	179	179
Full Simulation Period Average[a]	184	186	186	185	186	187	185	182	183	181	183	182
Wet Water Years (28%)	180	182	183	180	180	181	181	180	181	179	179	179
Above Normal Years (14%)	180	183	186	184	183	183	183	181	181	179	179	179
Below Normal Years (18%)	184	186	184	186	188	188	186	182	182	180	180	182
Dry Water Years (24%)	185	188	186	188	190	190	187	183	182	181	184	184
Critical Water Years (16%)	193	196	193	190	194	195	190	187	191	189	193	190

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

Table F.2.5-2-2c. Cache Slough at Ryer Island Salinity, Alt2woTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

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

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

Table F.2.5-2-3a. Cache Slough at Ryer Island Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	190	196	193	192	195	195	193	188	192	197	195	189
20% Exceedance	187	191	190	190	192	192	189	184	183	181	186	186
30% Exceedance	185	188	189	188	190	190	187	183	182	180	183	184
40% Exceedance	184	186	186	186	189	189	186	183	182	180	181	182
50% Exceedance	182	185	185	185	187	188	185	182	182	180	180	181
60% Exceedance	181	183	184	183	184	185	184	182	181	179	180	179
70% Exceedance	180	182	183	182	182	183	183	181	181	179	179	179
80% Exceedance	180	181	181	180	180	181	182	180	181	179	179	179
90% Exceedance	179	181	179	178	178	179	180	179	180	179	179	179
Full Simulation Period Average[a]	184	187	186	185	186	187	186	183	184	183	183	183
Wet Water Years (28%)	180	182	183	180	180	181	181	180	181	179	179	179
Above Normal Years (14%)	180	183	186	184	183	182	183	181	181	179	179	179
Below Normal Years (18%)	184	186	184	186	188	188	186	182	182	180	180	182
Dry Water Years (24%)	185	187	186	188	190	190	187	183	182	181	184	184
Critical Water Years (16%)	193	200	193	191	194	196	195	191	199	200	198	191

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

Table F.2.5-2-3b. Cache Slough at Ryer Island Salinity, Alt2woTUCPDeltaVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	193	195	193	192	195	194	190	185	186	185	191	188
20% Exceedance	187	191	189	190	193	193	189	184	183	182	185	186
30% Exceedance	185	188	188	188	191	190	188	183	182	181	183	184
40% Exceedance	184	186	186	186	189	189	186	183	182	180	181	182
50% Exceedance	183	184	185	185	187	187	185	182	182	180	180	181
60% Exceedance	181	183	184	183	184	185	184	182	181	180	180	179
70% Exceedance	180	182	183	182	182	182	183	181	181	179	179	179
80% Exceedance	180	181	181	180	180	181	182	180	181	179	179	179
90% Exceedance	180	181	179	178	178	179	180	179	180	179	179	179
Full Simulation Period Average[a]	184	186	186	186	187	187	185	182	183	181	182	182
Wet Water Years (28%)	180	182	183	180	180	181	181	180	181	179	179	179
Above Normal Years (14%)	180	183	186	184	183	183	183	181	181	179	179	179
Below Normal Years (18%)	184	186	184	186	188	188	186	182	182	180	180	182
Dry Water Years (24%)	185	188	186	188	190	190	187	183	182	181	184	184
Critical Water Years (16%)	193	196	194	193	195	195	190	187	191	188	192	190

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

Table F.2.5-2-3c. Cache Slough at Ryer Island Salinity, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

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

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

Table F.2.5-2-4a. Cache Slough at Ryer Island Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	190	196	193	192	195	195	193	188	192	197	195	189
20% Exceedance	187	191	190	190	192	192	189	184	183	181	186	186
30% Exceedance	185	188	189	188	190	190	187	183	182	180	183	184
40% Exceedance	184	186	186	186	189	189	186	183	182	180	181	182
50% Exceedance	182	185	185	185	187	188	185	182	182	180	180	181
60% Exceedance	181	183	184	183	184	185	184	182	181	179	180	179
70% Exceedance	180	182	183	182	182	183	183	181	181	179	179	179
80% Exceedance	180	181	181	180	180	181	182	180	181	179	179	179
90% Exceedance	179	181	179	178	178	179	180	179	180	179	179	179
Full Simulation Period Average[a]	184	187	186	185	186	187	186	183	184	183	183	183
Wet Water Years (28%)	180	182	183	180	180	181	181	180	181	179	179	179
Above Normal Years (14%)	180	183	186	184	183	182	183	181	181	179	179	179
Below Normal Years (18%)	184	186	184	186	188	188	186	182	182	180	180	182
Dry Water Years (24%)	185	187	186	188	190	190	187	183	182	181	184	184
Critical Water Years (16%)	193	200	193	191	194	196	195	191	199	200	198	191

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

Table F.2.5-2-4b. Cache Slough at Ryer Island Salinity, Alt2woTUCPAllVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	193	194	192	192	195	194	189	185	185	185	190	188
20% Exceedance	187	191	189	190	193	192	188	183	183	182	185	186
30% Exceedance	185	188	188	188	190	190	187	183	182	181	183	184
40% Exceedance	184	186	186	186	189	189	185	182	182	180	181	182
50% Exceedance	182	184	185	185	187	187	185	182	182	180	180	181
60% Exceedance	181	183	184	184	184	185	184	182	181	180	180	179
70% Exceedance	180	182	183	182	182	183	183	181	181	179	179	179
80% Exceedance	180	181	181	180	180	181	182	180	181	179	179	179
90% Exceedance	180	181	179	178	178	179	180	179	181	179	179	179
Full Simulation Period Average[a]	184	186	186	185	186	187	185	182	183	181	182	182
Wet Water Years (28%)	180	182	183	180	180	181	181	180	181	179	179	179
Above Normal Years (14%)	180	183	186	184	183	183	183	181	181	179	179	179
Below Normal Years (18%)	183	186	184	186	188	188	185	182	182	180	180	181
Dry Water Years (24%)	185	188	186	188	190	190	187	183	182	181	184	184
Critical Water Years (16%)	193	197	194	191	194	195	190	186	190	187	191	190

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

Table F.2.5-2-4c. Cache Slough at Ryer Island Salinity, Alt2woTUCPAllVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

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

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

Table F.2.5-2-5a. Cache Slough at Ryer Island Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	190	196	193	192	195	195	193	188	192	197	195	189
20% Exceedance	187	191	190	190	192	192	189	184	183	181	186	186
30% Exceedance	185	188	189	188	190	190	187	183	182	180	183	184
40% Exceedance	184	186	186	186	189	189	186	183	182	180	181	182
50% Exceedance	182	185	185	185	187	188	185	182	182	180	180	181
60% Exceedance	181	183	184	183	184	185	184	182	181	179	180	179
70% Exceedance	180	182	183	182	182	183	183	181	181	179	179	179
80% Exceedance	180	181	181	180	180	181	182	180	181	179	179	179
90% Exceedance	179	181	179	178	178	179	180	179	180	179	179	179
Full Simulation Period Average[a]	184	187	186	185	186	187	186	183	184	183	183	183
Wet Water Years (28%)	180	182	183	180	180	181	181	180	181	179	179	179
Above Normal Years (14%)	180	183	186	184	183	182	183	181	181	179	179	179
Below Normal Years (18%)	184	186	184	186	188	188	186	182	182	180	180	182
Dry Water Years (24%)	185	187	186	188	190	190	187	183	182	181	184	184
Critical Water Years (16%)	193	200	193	191	194	196	195	191	199	200	198	191

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

Table F.2.5-2-5b. Cache Slough at Ryer Island Salinity, Alt2wTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	191	194	192	192	195	195	192	188	193	196	195	189
20% Exceedance	188	192	190	190	192	192	189	184	182	182	187	186
30% Exceedance	185	188	188	188	190	190	187	183	182	181	184	184
40% Exceedance	184	186	186	186	189	189	186	183	182	180	181	182
50% Exceedance	183	184	185	185	187	187	185	182	182	180	180	181
60% Exceedance	181	183	184	183	184	185	184	182	181	180	180	179
70% Exceedance	180	182	183	182	182	182	183	181	181	179	179	179
80% Exceedance	180	181	181	180	180	181	182	180	181	179	179	179
90% Exceedance	180	181	179	178	178	179	180	179	180	179	179	179
Full Simulation Period Average[a]	184	186	186	185	186	187	186	183	184	183	184	183
Wet Water Years (28%)	180	182	183	180	180	181	181	180	181	179	179	179
Above Normal Years (14%)	180	183	186	184	183	182	183	181	181	179	179	179
Below Normal Years (18%)	184	186	184	186	188	188	186	182	182	180	180	181
Dry Water Years (24%)	185	188	186	188	190	190	187	183	182	181	184	184
Critical Water Years (16%)	192	197	192	191	194	196	195	191	197	199	198	191

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

Table F.2.5-2-5c. Cache Slough at Ryer Island Salinity, Alt2wTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

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

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

Table F.2.5-2-6a. Cache Slough at Ryer Island Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	190	196	193	192	195	195	193	188	192	197	195	189
20% Exceedance	187	191	190	190	192	192	189	184	183	181	186	186
30% Exceedance	185	188	189	188	190	190	187	183	182	180	183	184
40% Exceedance	184	186	186	186	189	189	186	183	182	180	181	182
50% Exceedance	182	185	185	185	187	188	185	182	182	180	180	181
60% Exceedance	181	183	184	183	184	185	184	182	181	179	180	179
70% Exceedance	180	182	183	182	182	183	183	181	181	179	179	179
80% Exceedance	180	181	181	180	180	181	182	180	181	179	179	179
90% Exceedance	179	181	179	178	178	179	180	179	180	179	179	179
Full Simulation Period Average[a]	184	187	186	185	186	187	186	183	184	183	183	183
Wet Water Years (28%)	180	182	183	180	180	181	181	180	181	179	179	179
Above Normal Years (14%)	180	183	186	184	183	182	183	181	181	179	179	179
Below Normal Years (18%)	184	186	184	186	188	188	186	182	182	180	180	182
Dry Water Years (24%)	185	187	186	188	190	190	187	183	182	181	184	184
Critical Water Years (16%)	193	200	193	191	194	196	195	191	199	200	198	191

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

Table F.2.5-2-6b. Cache Slough at Ryer Island Salinity, Alternative 3, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	190	196	192	192	195	194	190	186	187	184	185	188
20% Exceedance	185	191	189	189	192	191	188	184	185	183	182	183
30% Exceedance	184	188	187	187	190	189	187	183	184	182	182	182
40% Exceedance	183	187	186	186	188	188	186	183	184	182	181	181
50% Exceedance	182	185	184	185	186	186	184	182	183	182	181	181
60% Exceedance	181	183	183	183	184	184	183	181	183	181	181	181
70% Exceedance	180	182	182	182	182	182	182	180	182	181	181	180
80% Exceedance	180	182	181	180	180	181	181	179	182	181	181	180
90% Exceedance	180	180	178	178	178	179	180	179	181	181	180	180
Full Simulation Period Average[a]	183	187	185	185	186	186	185	182	184	182	182	182
Wet Water Years (28%)	180	182	182	180	179	181	181	179	182	181	181	180
Above Normal Years (14%)	181	183	185	183	183	182	182	180	183	182	181	180
Below Normal Years (18%)	182	186	184	186	188	187	185	182	184	182	181	181
Dry Water Years (24%)	184	187	186	188	190	189	186	183	183	182	181	182
Critical Water Years (16%)	192	199	192	189	194	195	192	189	188	187	186	188

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

Table F.2.5-2-6c. Cache Slough at Ryer Island Salinity, Alternative 3 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

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

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

Table F.2.5-2-7a. Cache Slough at Ryer Island Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	190	196	193	192	195	195	193	188	192	197	195	189
20% Exceedance	187	191	190	190	192	192	189	184	183	181	186	186
30% Exceedance	185	188	189	188	190	190	187	183	182	180	183	184
40% Exceedance	184	186	186	186	189	189	186	183	182	180	181	182
50% Exceedance	182	185	185	185	187	188	185	182	182	180	180	181
60% Exceedance	181	183	184	183	184	185	184	182	181	179	180	179
70% Exceedance	180	182	183	182	182	183	183	181	181	179	179	179
80% Exceedance	180	181	181	180	180	181	182	180	181	179	179	179
90% Exceedance	179	181	179	178	178	179	180	179	180	179	179	179
Full Simulation Period Average[a]	184	187	186	185	186	187	186	183	184	183	183	183
Wet Water Years (28%)	180	182	183	180	180	181	181	180	181	179	179	179
Above Normal Years (14%)	180	183	186	184	183	182	183	181	181	179	179	179
Below Normal Years (18%)	184	186	184	186	188	188	186	182	182	180	180	182
Dry Water Years (24%)	185	187	186	188	190	190	187	183	182	181	184	184
Critical Water Years (16%)	193	200	193	191	194	196	195	191	199	200	198	191

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

Table F.2.5-2-7b. Cache Slough at Ryer Island Salinity, Alternative 4, Monthly Electrical Conductivity (UMHOS/CM)

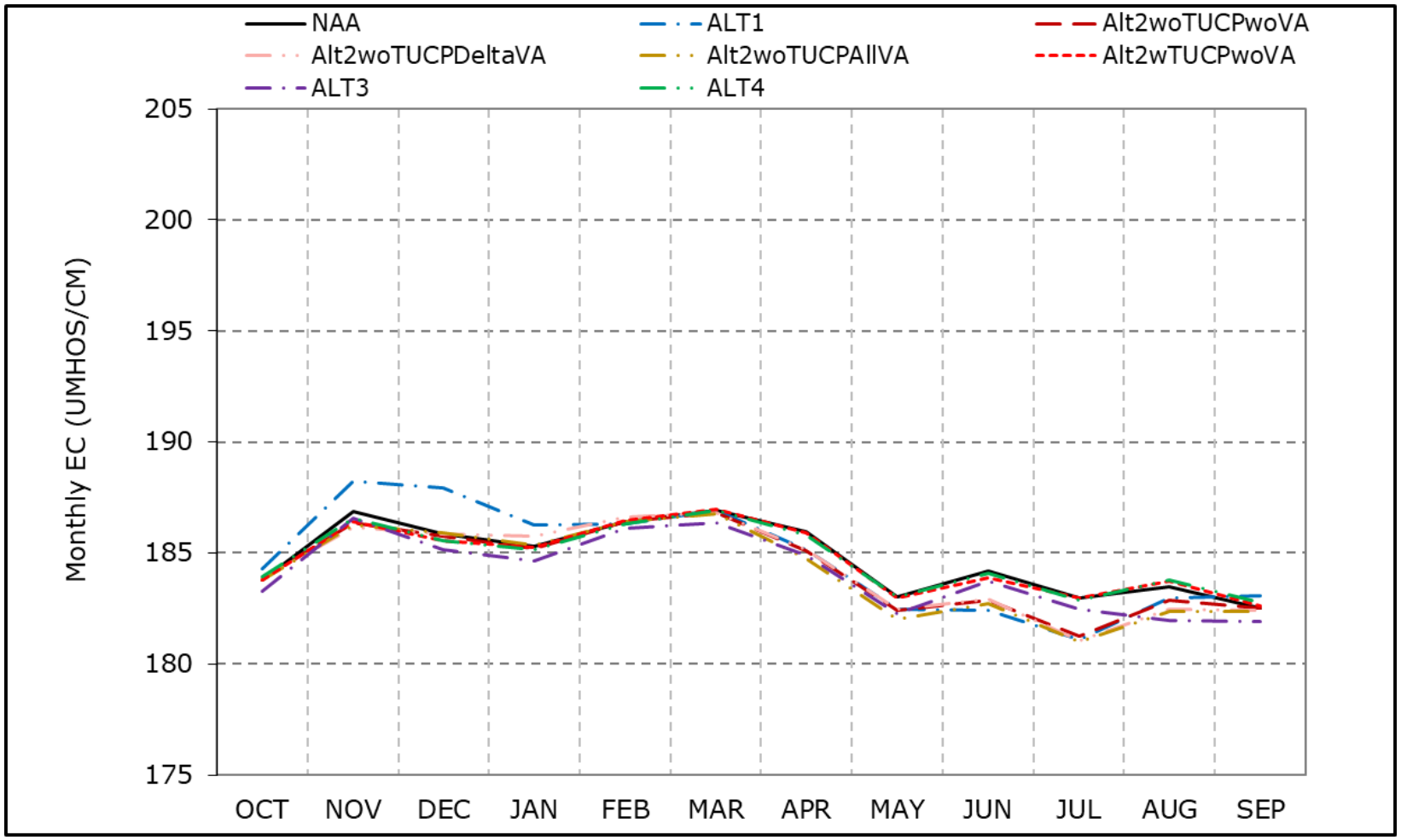
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	190	196	193	192	195	195	192	188	193	196	196	189
20% Exceedance	187	191	189	190	192	192	189	184	182	182	187	186
30% Exceedance	185	188	188	188	190	190	187	183	182	180	184	184
40% Exceedance	185	186	186	186	189	188	186	183	182	180	181	182
50% Exceedance	182	185	185	185	187	187	185	182	182	180	180	181
60% Exceedance	181	183	183	183	184	185	184	182	181	179	180	180
70% Exceedance	181	183	183	182	182	182	183	181	181	179	179	180
80% Exceedance	180	182	181	180	180	181	182	180	181	179	179	180
90% Exceedance	180	181	179	178	178	179	180	179	180	179	179	179
Full Simulation Period Average[a]	184	187	186	185	186	187	186	183	184	183	184	183
Wet Water Years (28%)	180	182	183	180	180	181	181	180	181	179	180	180
Above Normal Years (14%)	181	183	185	183	183	182	183	181	181	179	179	180
Below Normal Years (18%)	184	186	184	186	188	187	186	182	182	179	180	182
Dry Water Years (24%)	185	188	186	188	190	190	187	183	182	181	184	184
Critical Water Years (16%)	192	197	192	190	194	196	195	191	199	199	198	191

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

Table F.2.5-2-7c. Cache Slough at Ryer Island Salinity, Alternative 4 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

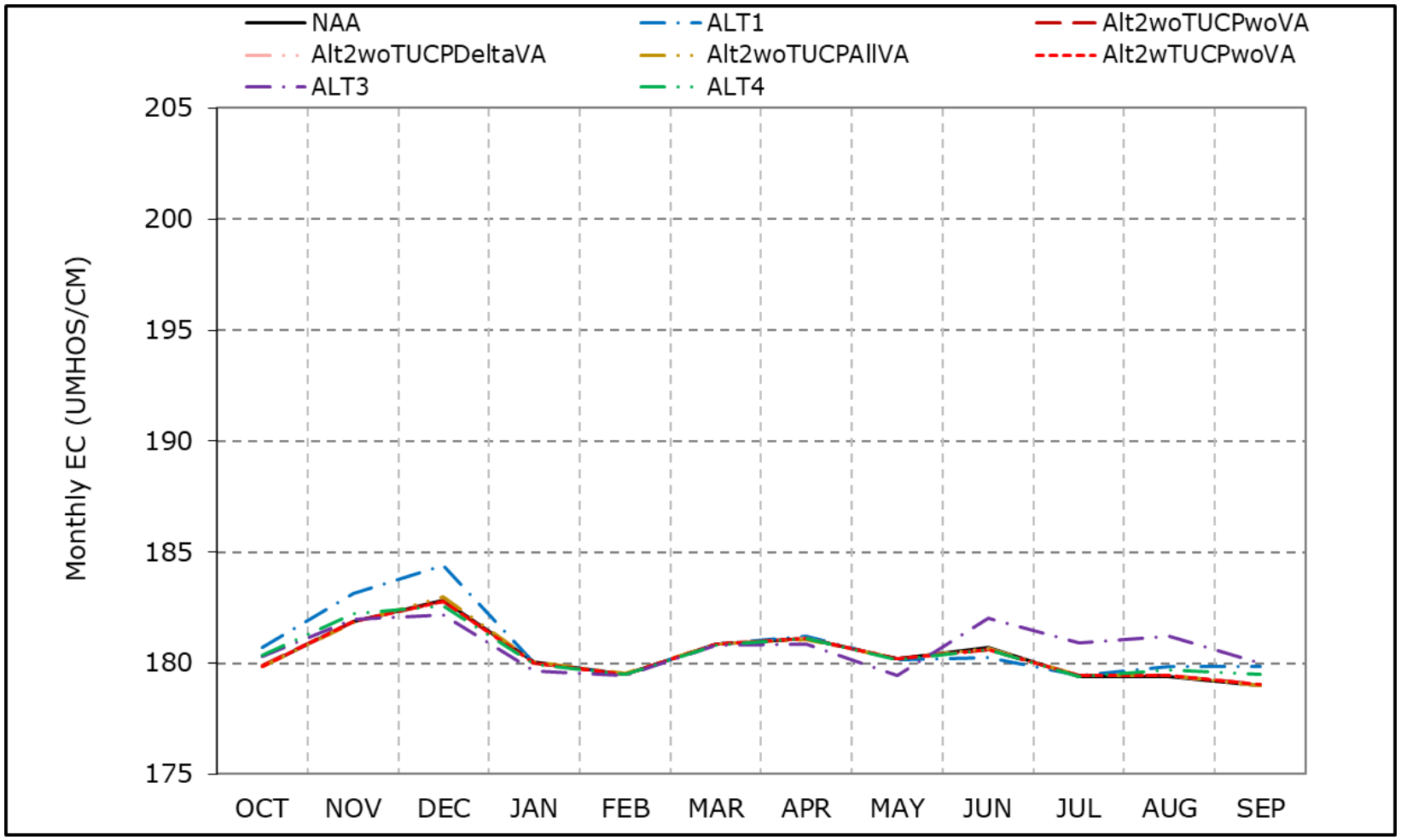
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1	0	-1	-1	0	1	0	0	1	-1	1	0
20% Exceedance	0	0	-1	0	0	0	0	0	0	1	1	0
30% Exceedance	0	0	-1	0	0	0	0	0	0	0	1	0
40% Exceedance	1	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	1	0	0	0	0	0	0	0	0	0	0	1
70%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

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



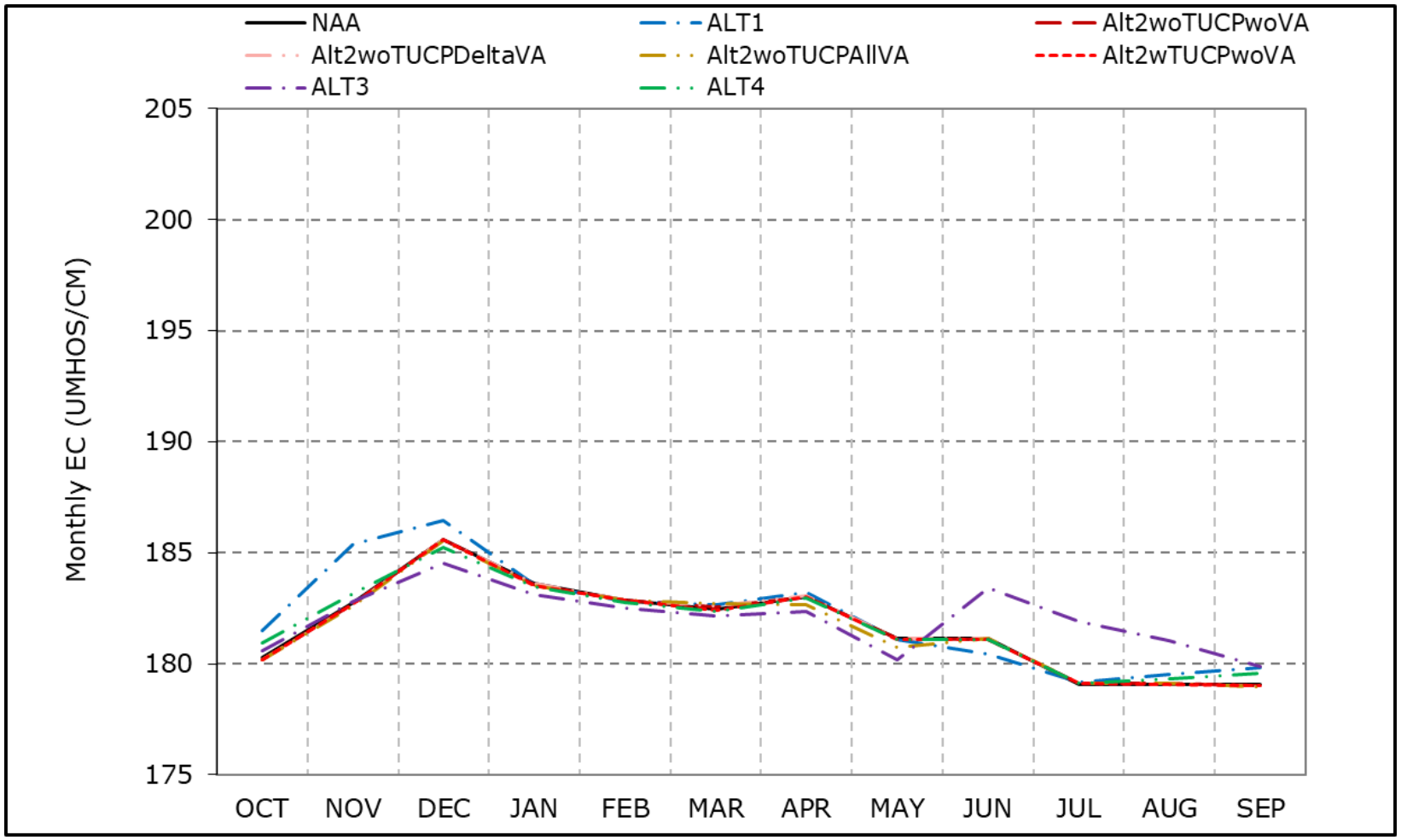
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-2-1. Cache Slough at Ryer Island Salinity, Long-Term Average Electrical Conductivity



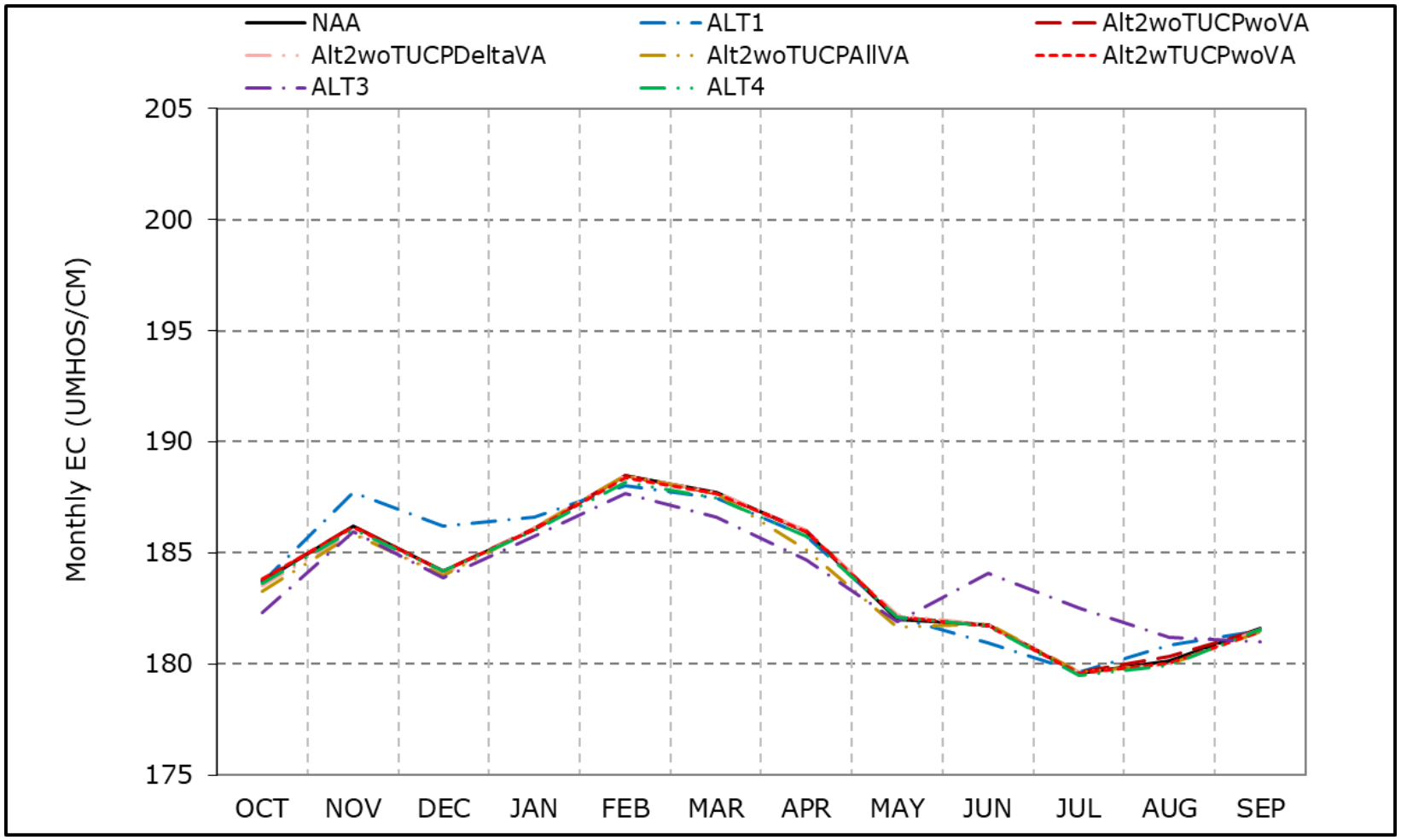
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-2-2. Cache Slough at Ryer Island Salinity, Wet Year Average Electrical Conductivity



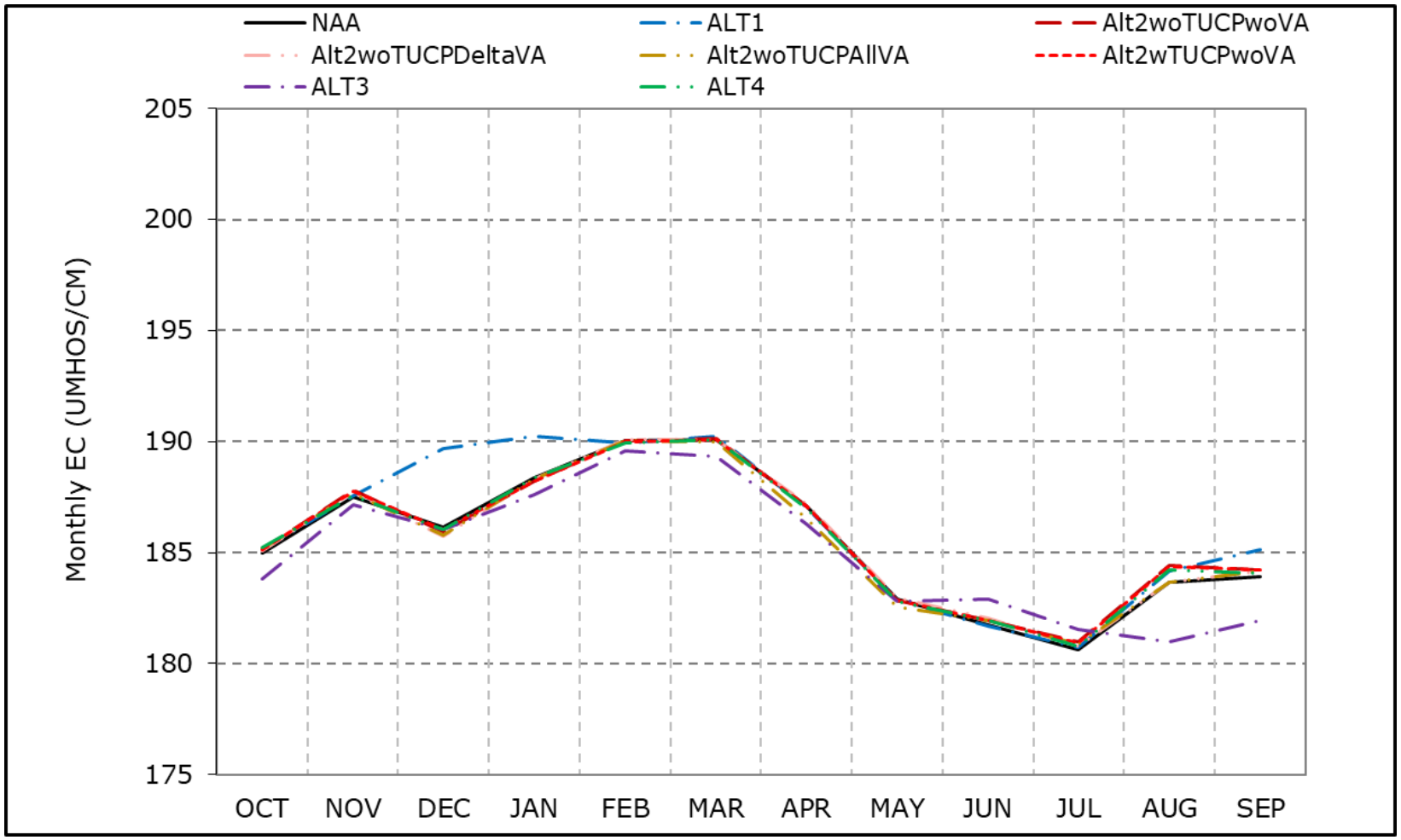
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-2-3. Cache Slough at Ryer Island Salinity, Above Normal Year Average Electrical Conductivity



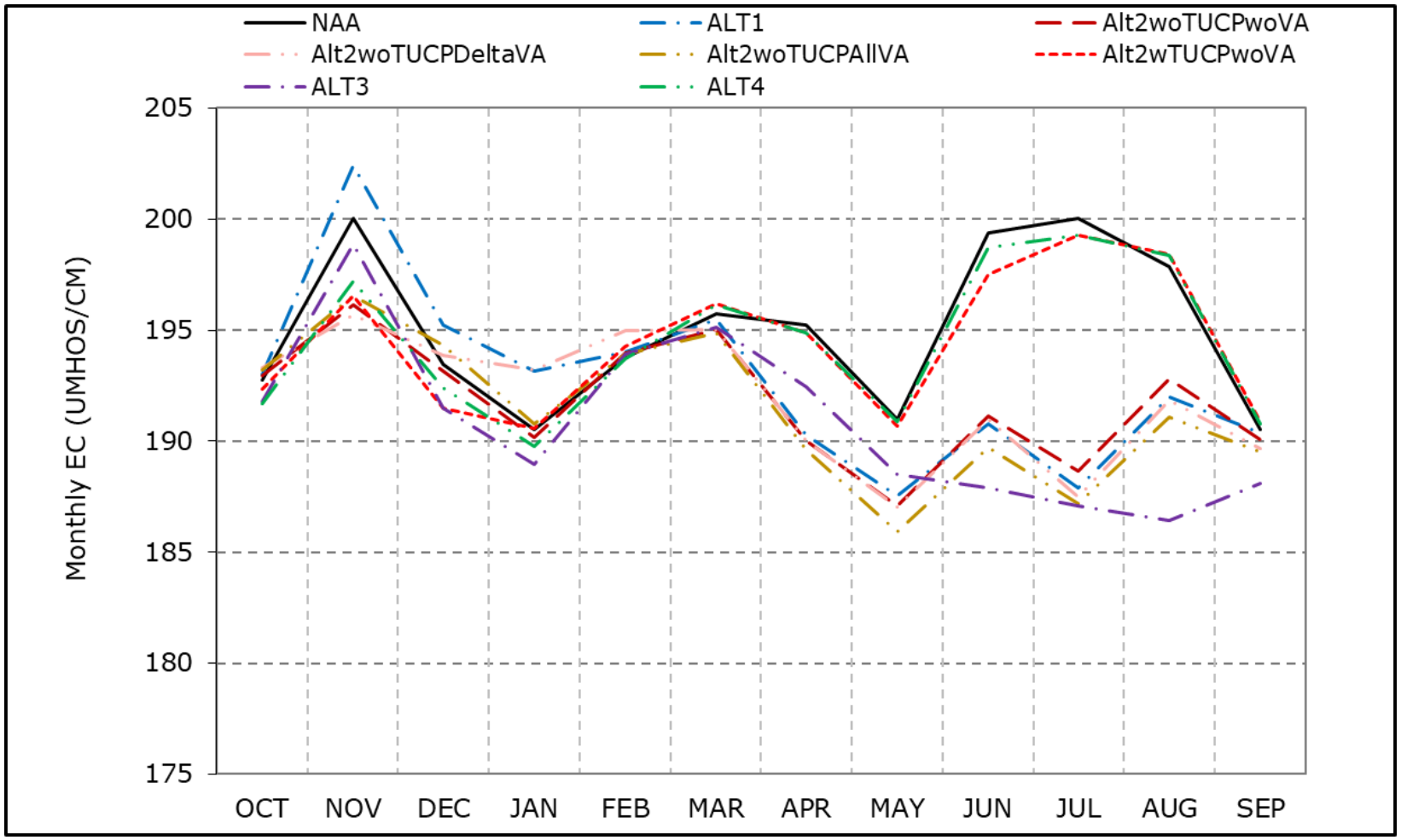
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-2-4. Cache Slough at Ryer Island Salinity, Below Normal Year Average Electrical Conductivity



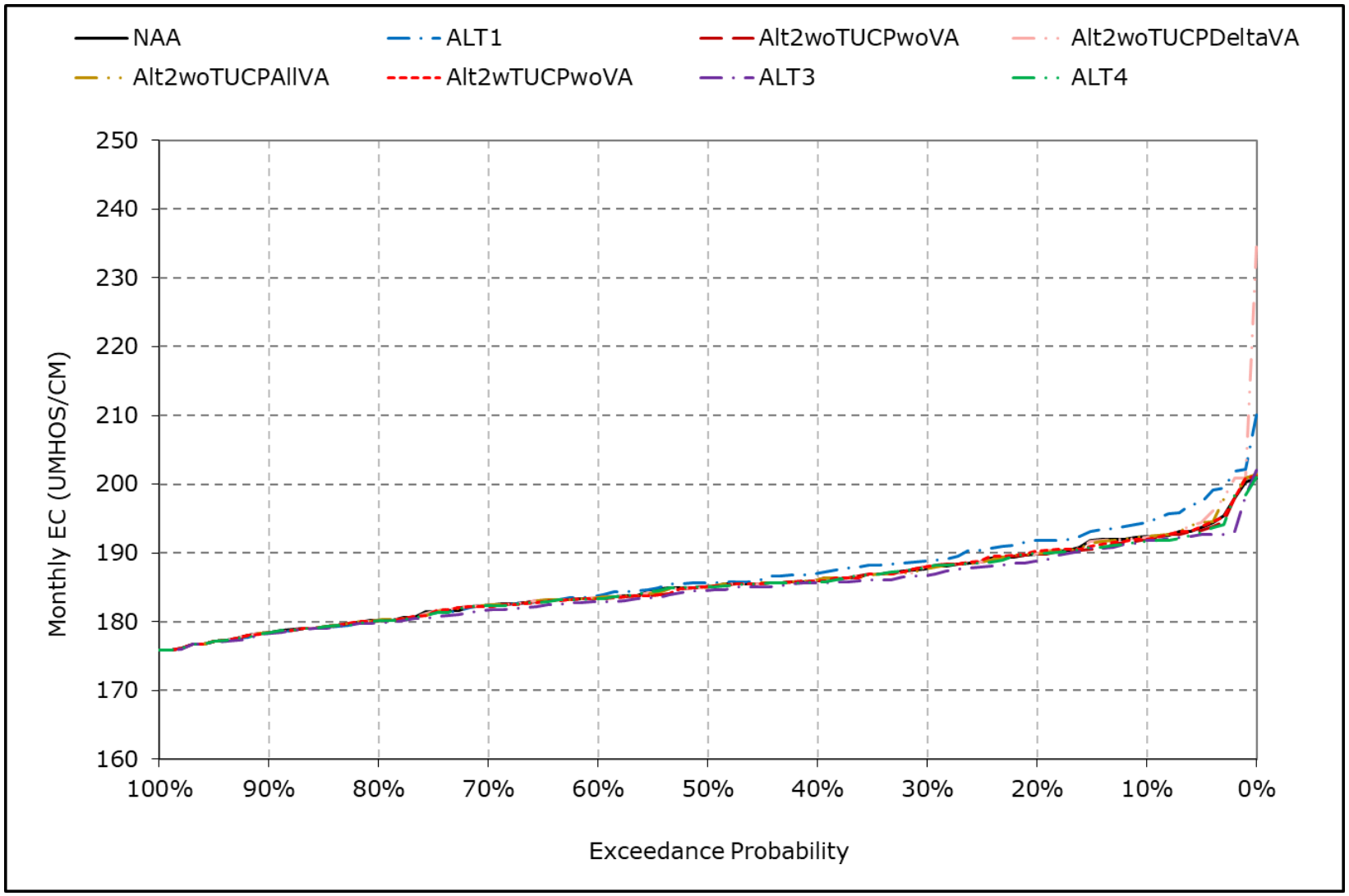
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-2-5. Cache Slough at Ryer Island Salinity, Dry Year Average Electrical Conductivity



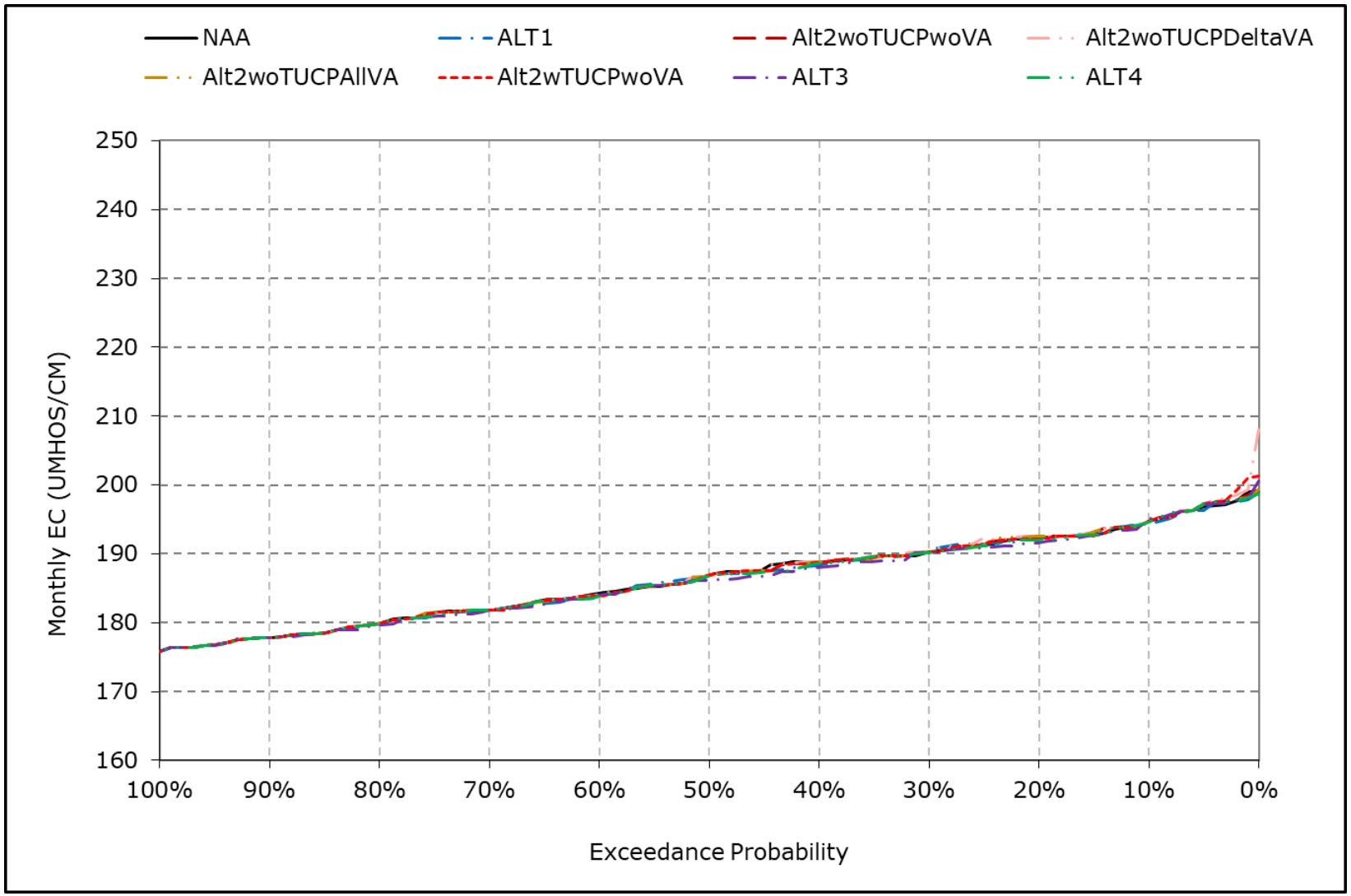
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-2-6. Cache Slough at Ryer Island Salinity, Critical Year Average Electrical Conductivity



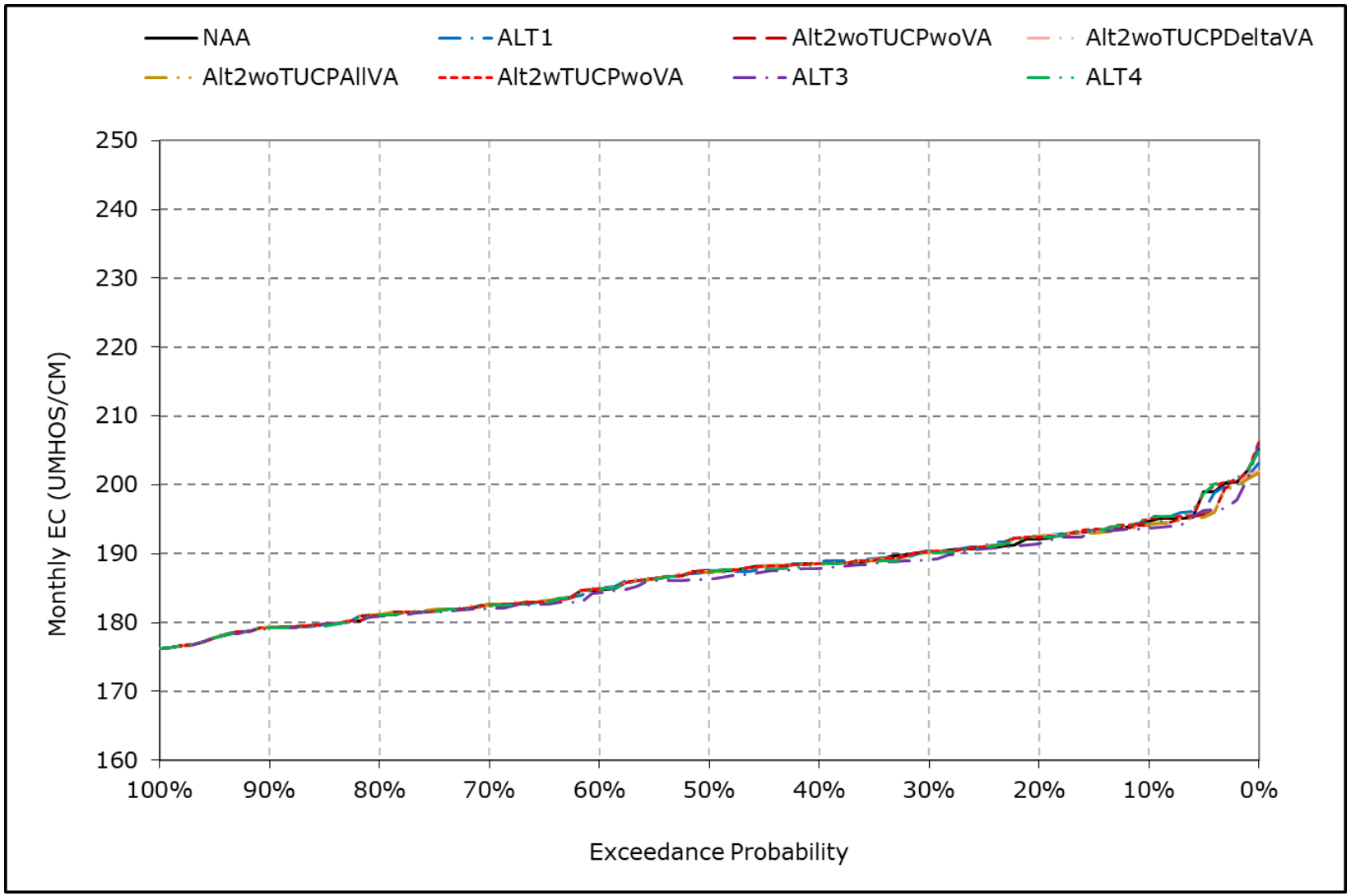
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-2-7. Cache Slough at Ryer Island Salinity, January Electrical Conductivity



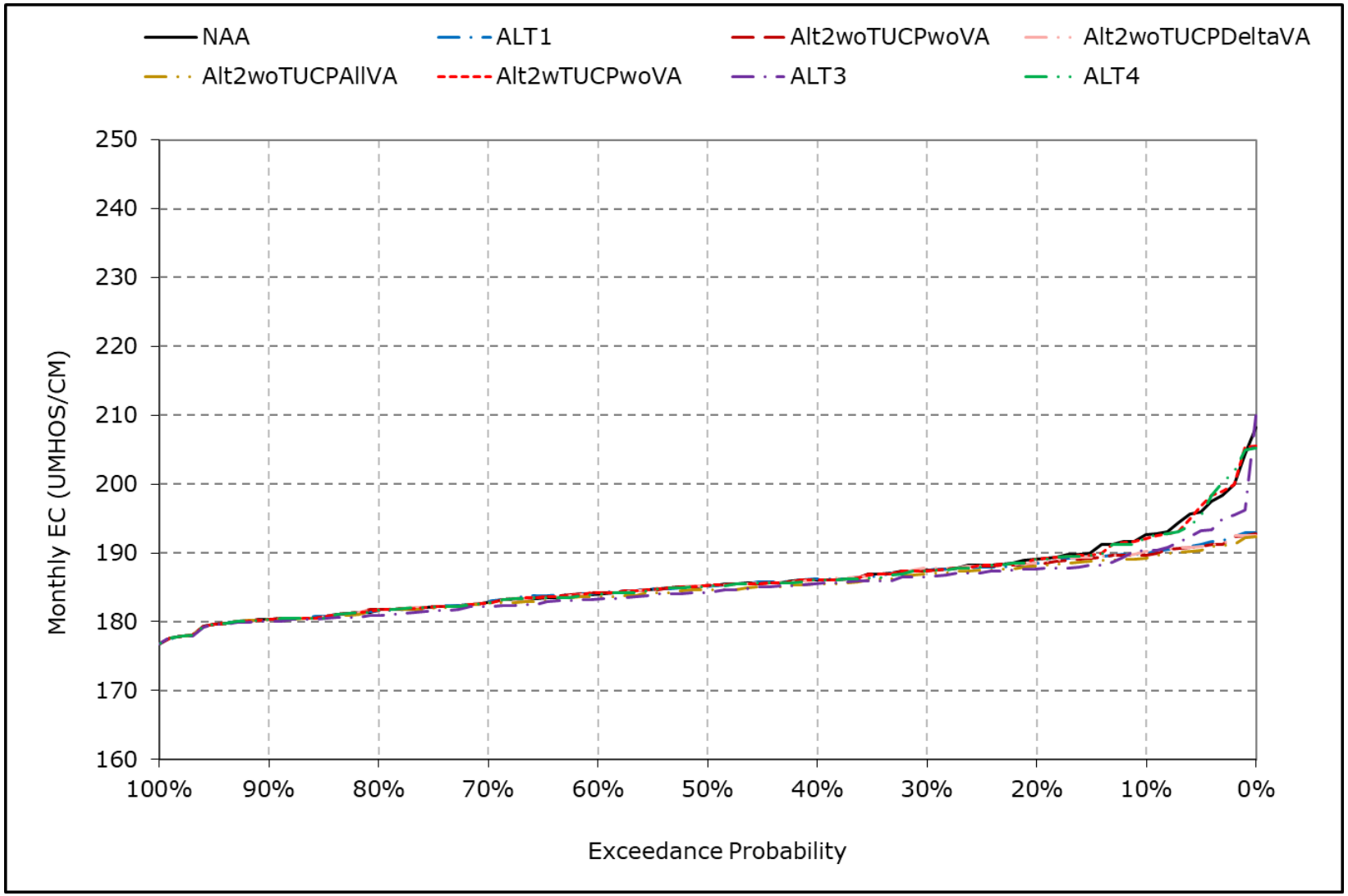
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-2-8. Cache Slough at Ryer Island Salinity, February Electrical Conductivity



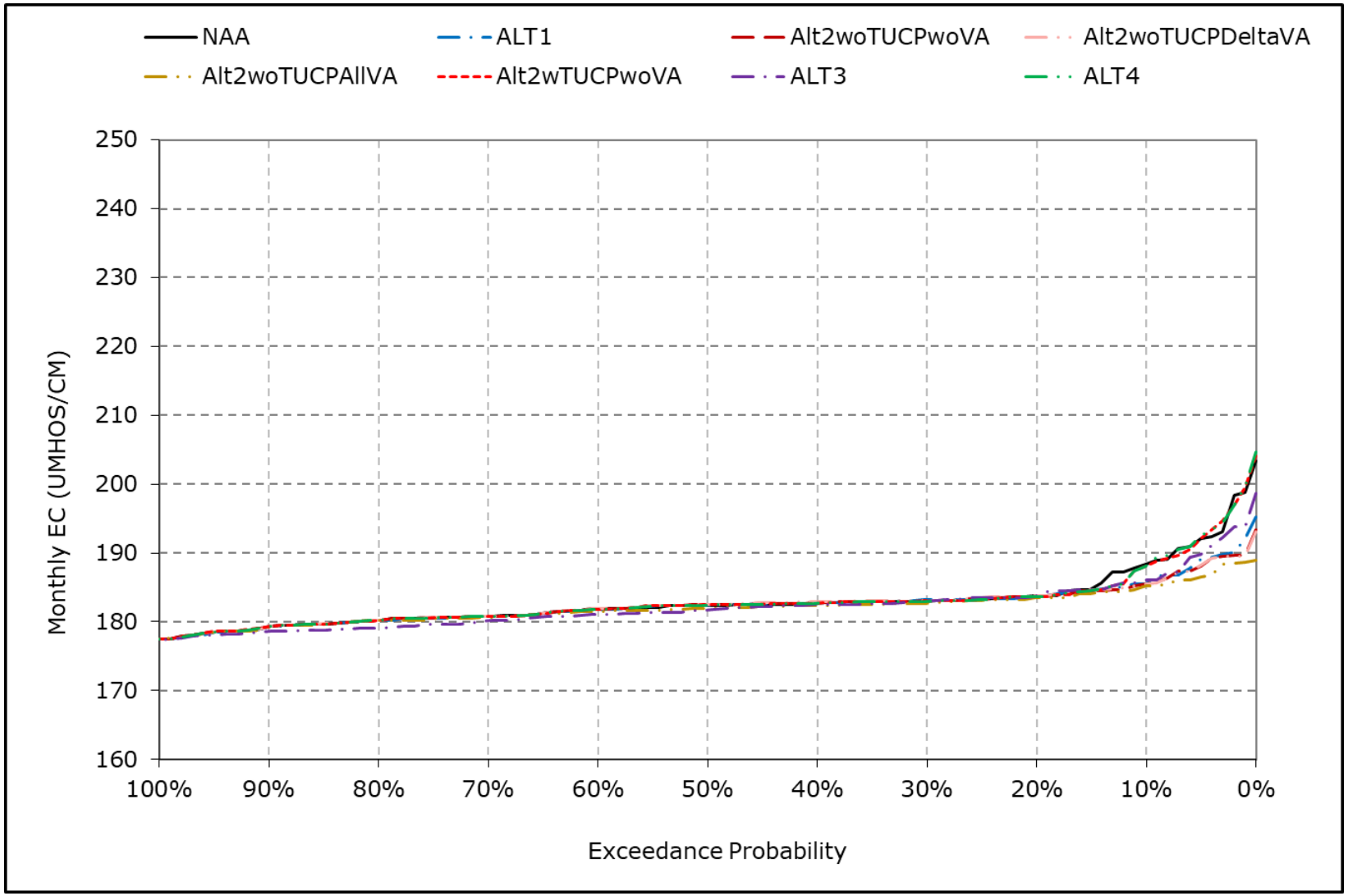
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-2-9. Cache Slough at Ryer Island Salinity, March Electrical Conductivity



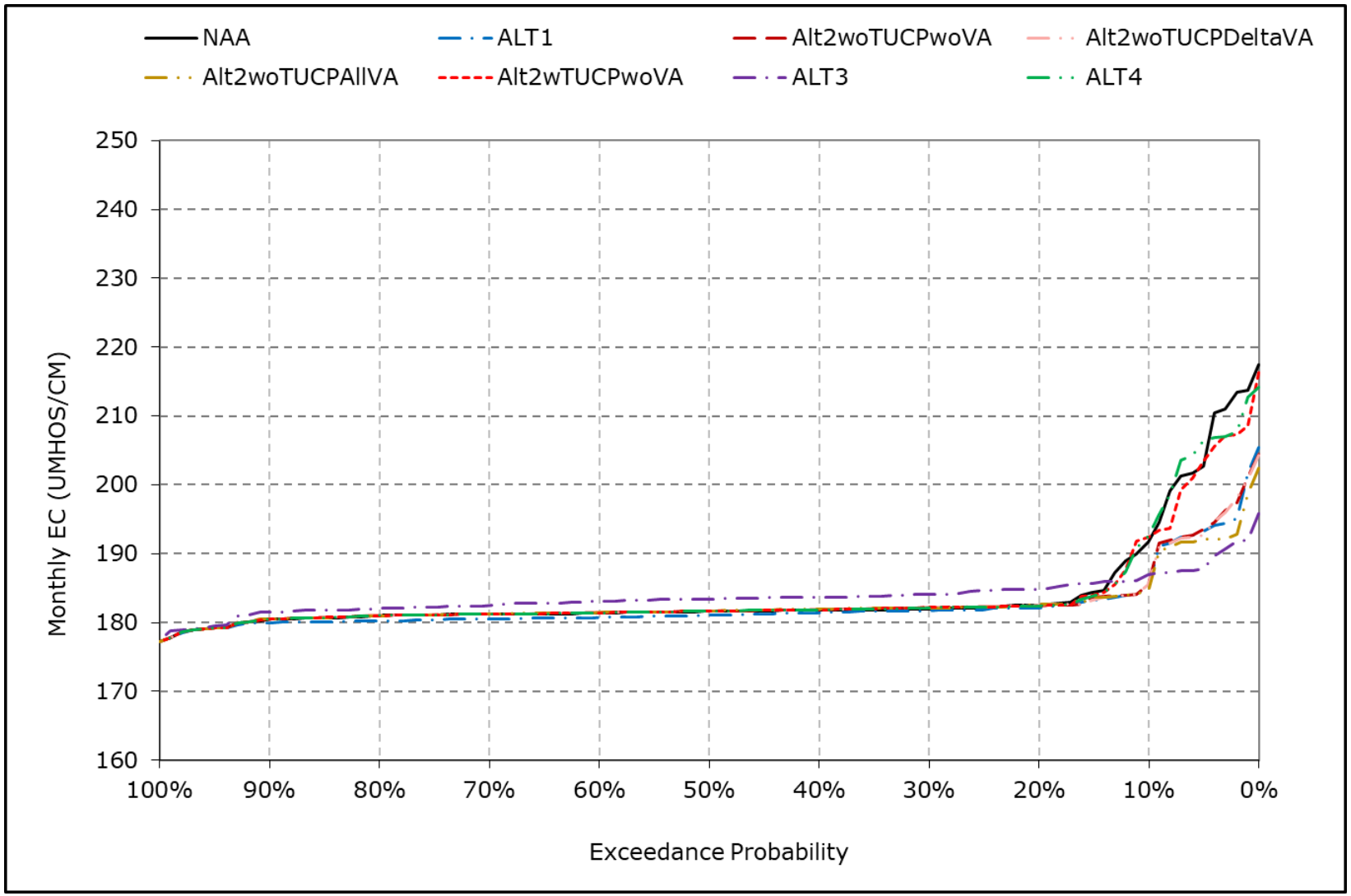
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-2-10. Cache Slough at Ryer Island Salinity, April Electrical Conductivity



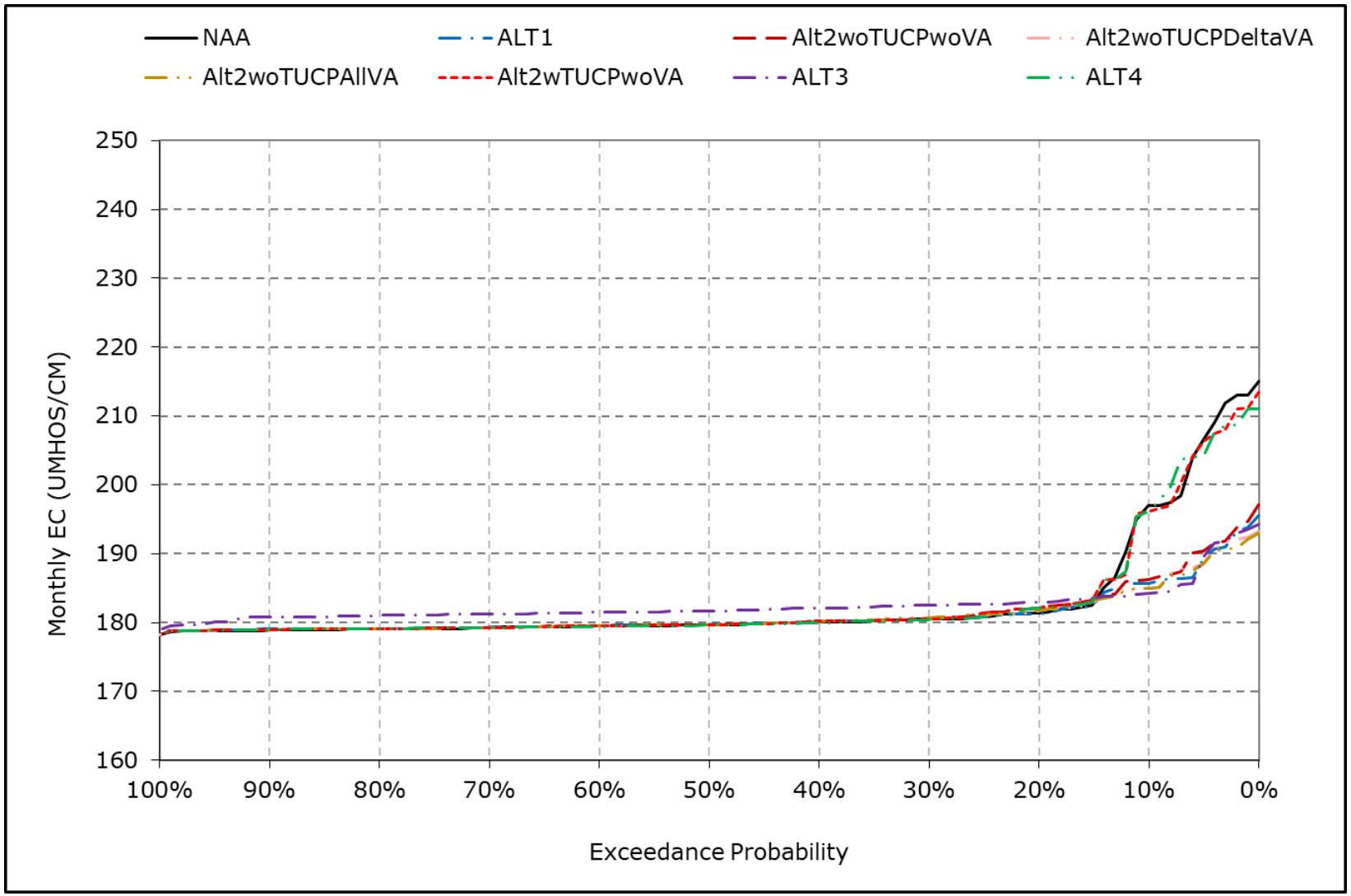
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-2-11. Cache Slough at Ryer Island Salinity, May Electrical Conductivity



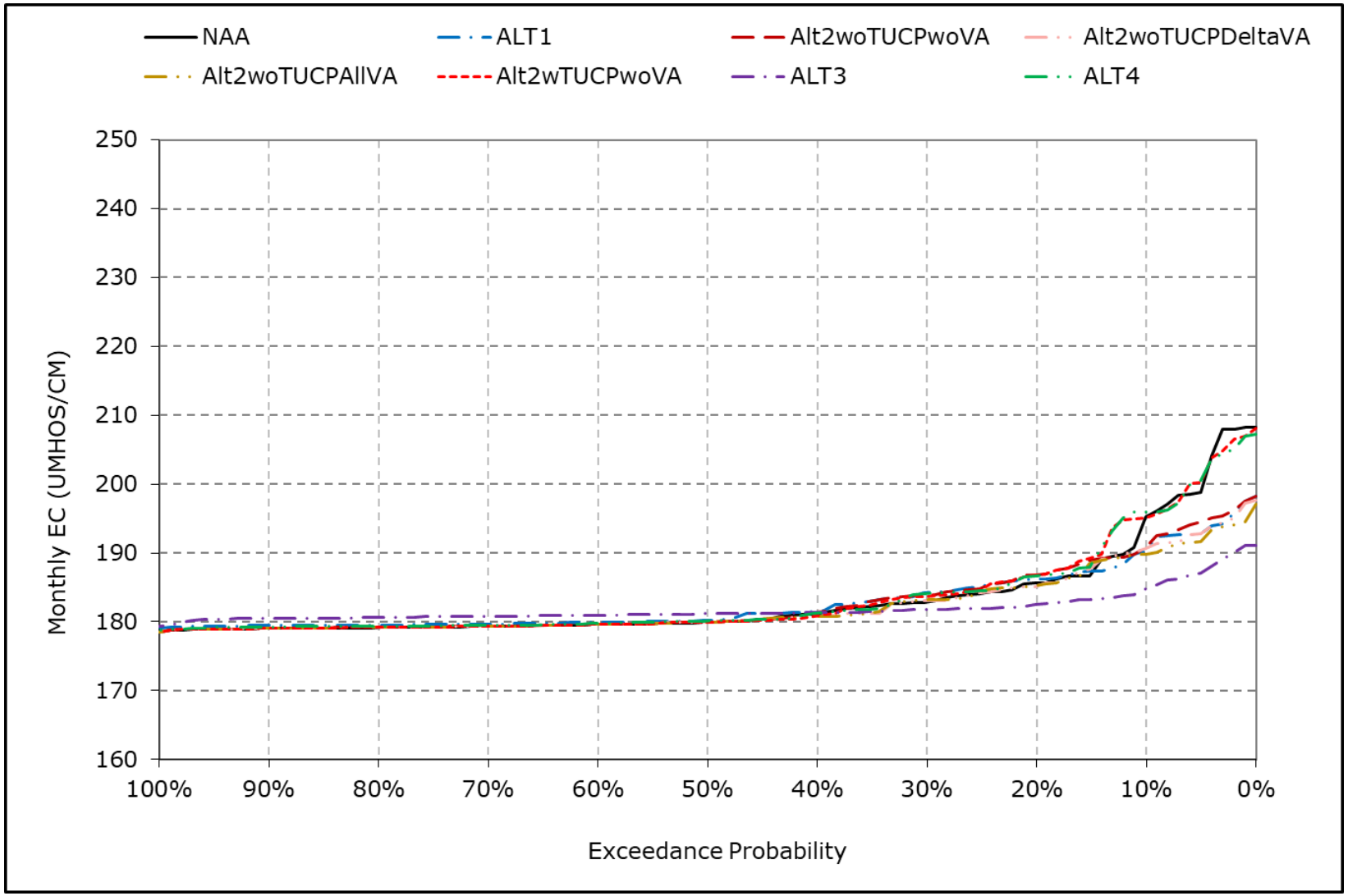
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-2-12. Cache Slough at Ryer Island Salinity, June Electrical Conductivity



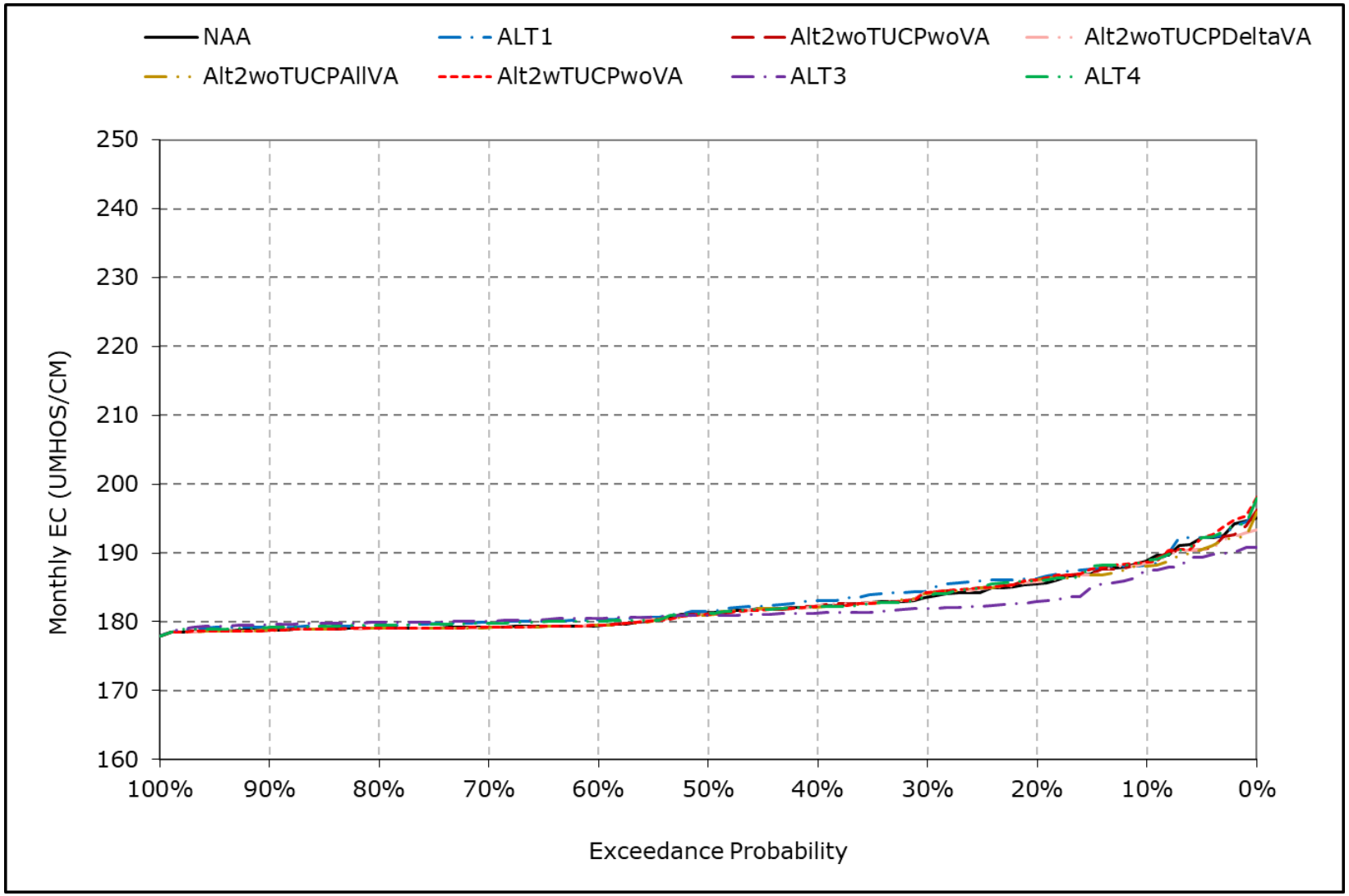
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-2-13. Cache Slough at Ryer Island Salinity, July Electrical Conductivity



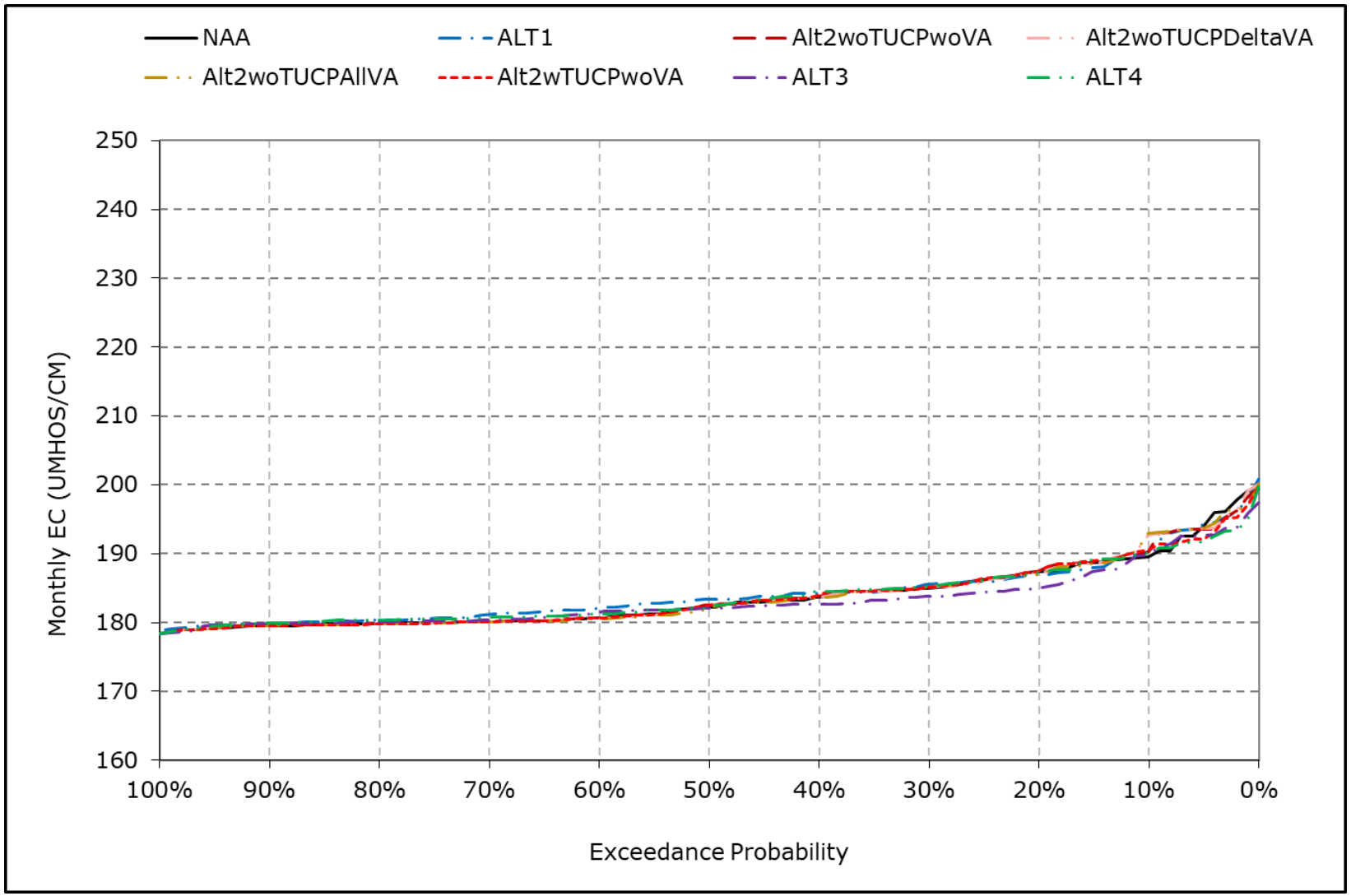
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-2-14. Cache Slough at Ryer Island Salinity, August Electrical Conductivity



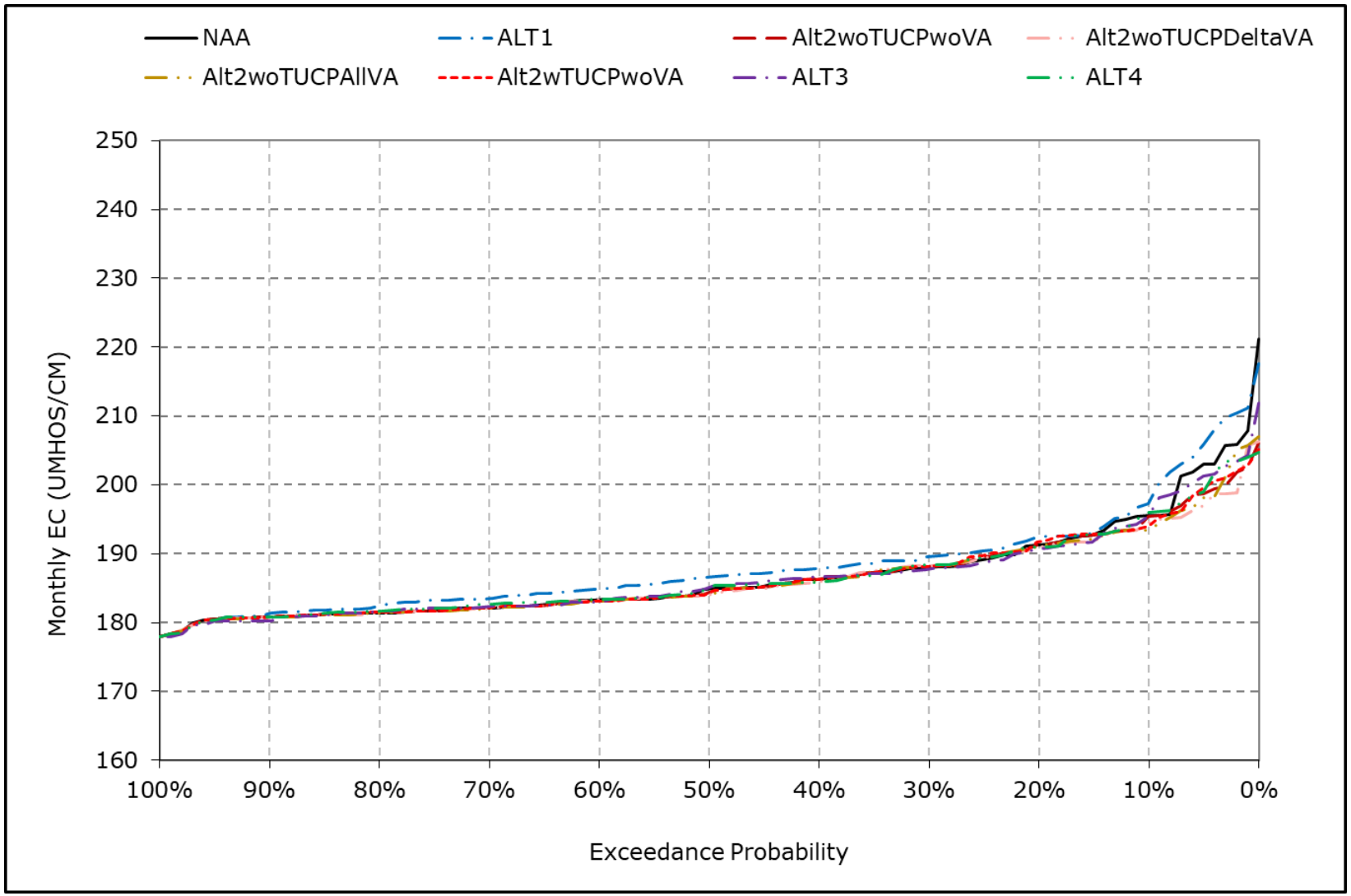
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-2-15. Cache Slough at Ryer Island Salinity, September Electrical Conductivity



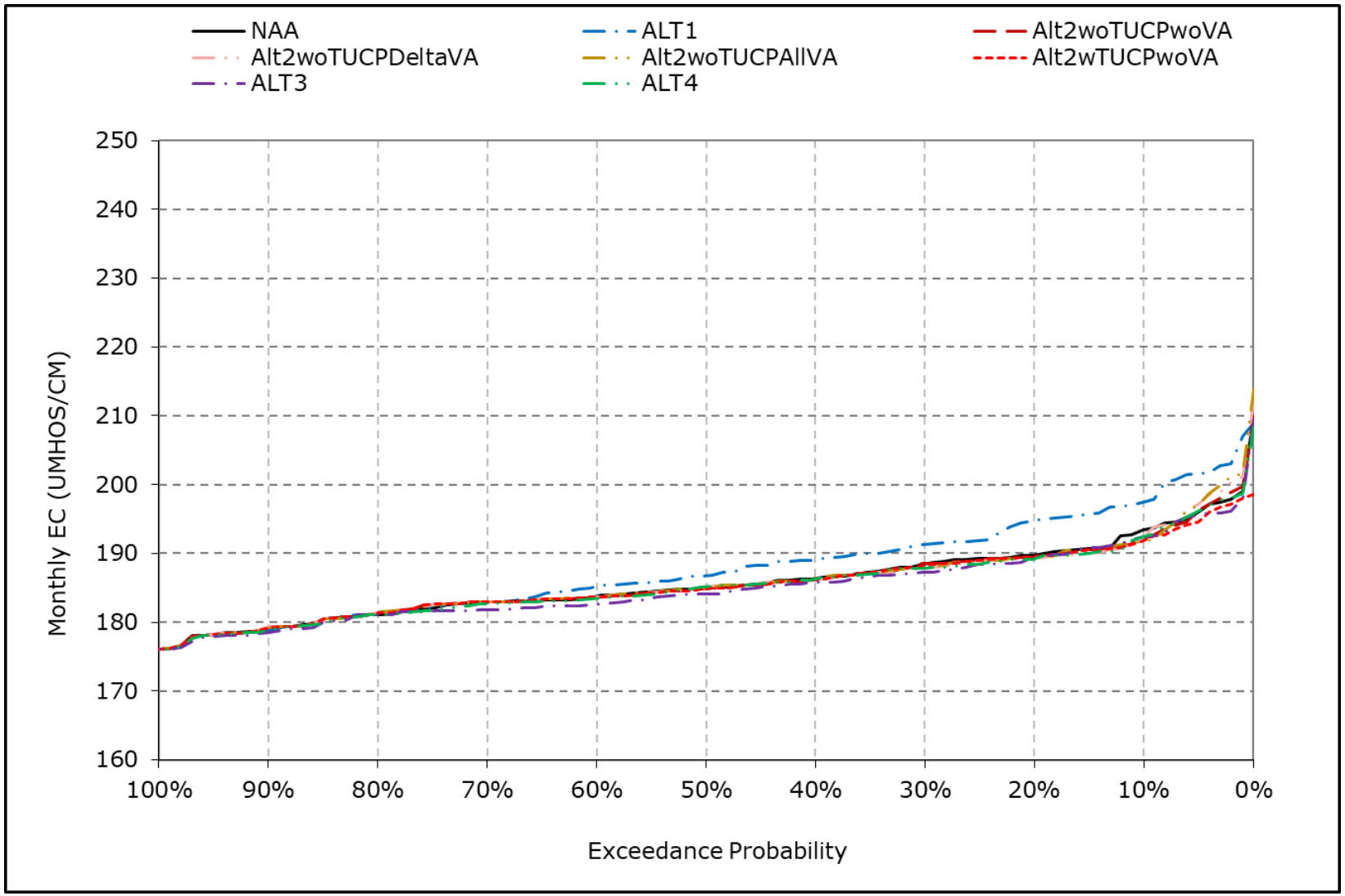
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-2-16. Cache Slough at Ryer Island Salinity, October Electrical Conductivity



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

Figure F.2.5-2-17. Cache Slough at Ryer Island Salinity, November Electrical Conductivity



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

Figure F.2.5-2-18. Cache Slough at Ryer Island Salinity, December Electrical Conductivity

Table F.2.5-3-1a. Sacramento River downstream of Georgiana Slough Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	178	178	178	179	179	177	176	176	176	176	176
20% Exceedance	176	177	178	178	179	178	176	176	176	175	176	176
30% Exceedance	176	177	177	178	178	177	176	176	176	175	176	176
40% Exceedance	176	176	177	177	178	177	176	176	176	175	175	176
50% Exceedance	176	176	177	177	177	177	176	176	176	175	175	175
60% Exceedance	176	176	177	176	177	177	176	175	176	175	175	175
70% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
80% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
90% Exceedance	175	176	176	176	176	176	175	175	175	175	175	175
Full Simulation Period Average[a]	176	176	177	177	178	177	176	176	176	175	175	175
Wet Water Years (28%)	175	176	176	177	176	176	176	175	175	175	175	175
Above Normal Years (14%)	176	176	177	177	177	176	176	175	175	175	175	175
Below Normal Years (18%)	176	177	177	177	178	177	176	175	176	175	175	176
Dry Water Years (24%)	176	176	177	177	178	177	176	176	176	175	176	176
Critical Water Years (16%)	176	177	178	177	179	179	177	176	176	176	176	176

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

Table F.2.5-3-1b. Sacramento River downstream of Georgiana Slough Salinity, Alternative 1, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	178	178	178	179	179	176	176	176	176	176	176
20% Exceedance	176	177	178	178	179	178	176	176	176	175	176	176
30% Exceedance	176	177	177	177	178	177	176	176	176	175	176	176
40% Exceedance	176	176	177	177	178	177	176	176	176	175	175	176
50% Exceedance	176	176	177	177	177	177	176	176	175	175	175	176
60% Exceedance	176	176	176	177	177	176	176	175	175	175	175	175
70% Exceedance	176	176	176	176	177	176	176	175	175	175	175	175
80% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
90% Exceedance	175	176	176	176	176	176	175	175	175	175	175	175
Full Simulation Period Average[a]	176	177	177	177	178	177	176	176	176	175	175	176
Wet Water Years (28%)	175	176	176	177	176	176	176	175	175	175	175	175
Above Normal Years (14%)	176	176	177	177	177	176	176	175	175	175	175	175
Below Normal Years (18%)	176	177	177	177	177	177	176	175	175	175	175	175
Dry Water Years (24%)	176	176	177	178	178	177	176	176	176	175	176	176
Critical Water Years (16%)	176	177	178	178	179	179	176	176	176	176	176	176

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

Table F.2.5-3-1c. Sacramento River downstream of Georgiana Slough Salinity, Alternative 1 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

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

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

Table F.2.5-3-2a. Sacramento River downstream of Georgiana Slough Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	178	178	178	179	179	177	176	176	176	176	176
20% Exceedance	176	177	178	178	179	178	176	176	176	175	176	176
30% Exceedance	176	177	177	178	178	177	176	176	176	175	176	176
40% Exceedance	176	176	177	177	178	177	176	176	176	175	175	176
50% Exceedance	176	176	177	177	177	177	176	176	176	175	175	175
60% Exceedance	176	176	177	176	177	177	176	175	176	175	175	175
70% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
80% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
90% Exceedance	175	176	176	176	176	176	175	175	175	175	175	175
Full Simulation Period Average[a]	176	176	177	177	178	177	176	176	176	175	175	175
Wet Water Years (28%)	175	176	176	177	176	176	176	175	175	175	175	175
Above Normal Years (14%)	176	176	177	177	177	176	176	175	175	175	175	175
Below Normal Years (18%)	176	177	177	177	178	177	176	175	176	175	175	176
Dry Water Years (24%)	176	176	177	177	178	177	176	176	176	175	176	176
Critical Water Years (16%)	176	177	178	177	179	179	177	176	176	176	176	176

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

Table F.2.5-3-2b. Sacramento River downstream of Georgiana Slough Salinity, Alt2woTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	178	178	178	179	178	176	176	176	176	176	176
20% Exceedance	176	177	178	178	179	178	176	176	176	176	176	176
30% Exceedance	176	177	177	177	178	177	176	176	176	175	176	176
40% Exceedance	176	176	177	177	178	177	176	176	176	175	175	176
50% Exceedance	176	176	177	177	177	177	176	176	176	175	175	175
60% Exceedance	176	176	177	176	177	176	176	175	176	175	175	175
70% Exceedance	175	176	176	176	177	176	176	175	176	175	175	175
80% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
90% Exceedance	175	176	176	176	176	176	175	175	175	175	175	175
Full Simulation Period Average[a]	176	176	177	177	178	177	176	176	176	175	175	175
Wet Water Years (28%)	175	176	176	177	176	176	176	175	175	175	175	175
Above Normal Years (14%)	176	176	177	177	177	176	176	175	175	175	175	175
Below Normal Years (18%)	176	177	177	177	178	177	176	175	176	175	175	176
Dry Water Years (24%)	176	176	177	177	178	177	176	176	176	175	176	176
Critical Water Years (16%)	176	177	178	177	179	178	176	176	176	176	176	176

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

Table F.2.5-3-2c. Sacramento River downstream of Georgiana Slough Salinity, Alt2woTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

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

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

Table F.2.5-3-3a. Sacramento River downstream of Georgiana Slough Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	178	178	178	179	179	177	176	176	176	176	176
20% Exceedance	176	177	178	178	179	178	176	176	176	175	176	176
30% Exceedance	176	177	177	178	178	177	176	176	176	175	176	176
40% Exceedance	176	176	177	177	178	177	176	176	176	175	175	176
50% Exceedance	176	176	177	177	177	177	176	176	176	175	175	175
60% Exceedance	176	176	177	176	177	177	176	175	176	175	175	175
70% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
80% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
90% Exceedance	175	176	176	176	176	176	175	175	175	175	175	175
Full Simulation Period Average[a]	176	176	177	177	178	177	176	176	176	175	175	175
Wet Water Years (28%)	175	176	176	177	176	176	176	175	175	175	175	175
Above Normal Years (14%)	176	176	177	177	177	176	176	175	175	175	175	175
Below Normal Years (18%)	176	177	177	177	178	177	176	175	176	175	175	176
Dry Water Years (24%)	176	176	177	177	178	177	176	176	176	175	176	176
Critical Water Years (16%)	176	177	178	177	179	179	177	176	176	176	176	176

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

Table F.2.5-3-3b. Sacramento River downstream of Georgiana Slough Salinity, Alt2woTUCPDeltaVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	178	178	178	179	178	177	176	176	176	176	176
20% Exceedance	176	177	178	178	179	178	176	176	176	175	176	176
30% Exceedance	176	177	177	177	178	177	176	176	176	175	176	176
40% Exceedance	176	176	177	177	178	177	176	176	176	175	175	176
50% Exceedance	176	176	177	177	177	177	176	176	176	175	175	175
60% Exceedance	176	176	176	176	177	176	176	175	176	175	175	175
70% Exceedance	175	176	176	176	177	176	176	175	176	175	175	175
80% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
90% Exceedance	175	176	176	176	176	176	175	175	175	175	175	175
Full Simulation Period Average[a]	176	176	177	177	178	177	176	176	176	175	175	175
Wet Water Years (28%)	175	176	176	177	176	176	176	175	175	175	175	175
Above Normal Years (14%)	176	176	177	177	177	176	176	175	175	175	175	175
Below Normal Years (18%)	176	177	177	177	178	177	176	176	176	175	175	176
Dry Water Years (24%)	176	176	177	177	178	177	176	176	176	175	176	176
Critical Water Years (16%)	176	177	178	178	179	178	176	176	176	176	176	176

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

Table F.2.5-3-3c. Sacramento River downstream of Georgiana Slough Salinity, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

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

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

Table F.2.5-3-4a. Sacramento River downstream of Georgiana Slough Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	178	178	178	179	179	177	176	176	176	176	176
20% Exceedance	176	177	178	178	179	178	176	176	176	175	176	176
30% Exceedance	176	177	177	178	178	177	176	176	176	175	176	176
40% Exceedance	176	176	177	177	178	177	176	176	176	175	175	176
50% Exceedance	176	176	177	177	177	177	176	176	176	175	175	175
60% Exceedance	176	176	177	176	177	177	176	175	176	175	175	175
70% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
80% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
90% Exceedance	175	176	176	176	176	176	175	175	175	175	175	175
Full Simulation Period Average[a]	176	176	177	177	178	177	176	176	176	175	175	175
Wet Water Years (28%)	175	176	176	177	176	176	176	175	175	175	175	175
Above Normal Years (14%)	176	176	177	177	177	176	176	175	175	175	175	175
Below Normal Years (18%)	176	177	177	177	178	177	176	175	176	175	175	176
Dry Water Years (24%)	176	176	177	177	178	177	176	176	176	175	176	176
Critical Water Years (16%)	176	177	178	177	179	179	177	176	176	176	176	176

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

Table F.2.5-3-4b. Sacramento River downstream of Georgiana Slough Salinity, Alt2woTUCPAllVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	178	178	178	179	178	176	176	176	176	176	176
20% Exceedance	176	177	178	178	179	178	176	176	176	175	176	176
30% Exceedance	176	177	177	177	178	177	176	176	176	175	176	176
40% Exceedance	176	176	177	177	178	177	176	176	176	175	175	176
50% Exceedance	176	176	177	177	177	177	176	175	176	175	175	175
60% Exceedance	176	176	176	176	177	176	176	175	176	175	175	175
70% Exceedance	175	176	176	176	177	176	176	175	176	175	175	175
80% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
90% Exceedance	175	176	176	176	176	176	175	175	175	175	175	175
Full Simulation Period Average[a]	176	176	177	177	178	177	176	176	176	175	175	175
Wet Water Years (28%)	175	176	176	177	176	176	176	175	175	175	175	175
Above Normal Years (14%)	176	176	177	177	177	176	176	175	176	175	175	175
Below Normal Years (18%)	176	177	177	177	178	177	176	175	176	175	175	176
Dry Water Years (24%)	176	176	177	177	178	177	176	176	176	175	176	176
Critical Water Years (16%)	176	177	178	177	179	178	176	176	176	176	176	176

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

Table F.2.5-3-4c. Sacramento River downstream of Georgiana Slough Salinity, Alt2woTUCPAllVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

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

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

Table F.2.5-3-5a. Sacramento River downstream of Georgiana Slough Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	178	178	178	179	179	177	176	176	176	176	176
20% Exceedance	176	177	178	178	179	178	176	176	176	175	176	176
30% Exceedance	176	177	177	178	178	177	176	176	176	175	176	176
40% Exceedance	176	176	177	177	178	177	176	176	176	175	175	176
50% Exceedance	176	176	177	177	177	177	176	176	176	175	175	175
60% Exceedance	176	176	177	176	177	177	176	175	176	175	175	175
70% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
80% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
90% Exceedance	175	176	176	176	176	176	175	175	175	175	175	175
Full Simulation Period Average[a]	176	176	177	177	178	177	176	176	176	175	175	175
Wet Water Years (28%)	175	176	176	177	176	176	176	175	175	175	175	175
Above Normal Years (14%)	176	176	177	177	177	176	176	175	175	175	175	175
Below Normal Years (18%)	176	177	177	177	178	177	176	175	176	175	175	176
Dry Water Years (24%)	176	176	177	177	178	177	176	176	176	175	176	176
Critical Water Years (16%)	176	177	178	177	179	179	177	176	176	176	176	176

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

Table F.2.5-3-5b. Sacramento River downstream of Georgiana Slough Salinity, Alt2wTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	178	178	178	179	179	177	176	176	176	176	176
20% Exceedance	176	177	178	178	179	178	176	176	176	175	176	176
30% Exceedance	176	177	177	177	178	177	176	176	176	175	176	176
40% Exceedance	176	176	177	177	178	177	176	176	176	175	175	176
50% Exceedance	176	176	177	177	177	177	176	176	176	175	175	175
60% Exceedance	176	176	177	176	177	176	176	175	176	175	175	175
70% Exceedance	175	176	176	176	177	176	176	175	176	175	175	175
80% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
90% Exceedance	175	176	176	176	176	176	175	175	175	175	175	175
Full Simulation Period Average[a]	176	176	177	177	178	177	176	176	176	175	175	175
Wet Water Years (28%)	175	176	176	177	176	176	176	175	175	175	175	175
Above Normal Years (14%)	176	176	177	177	177	176	176	175	175	175	175	175
Below Normal Years (18%)	176	177	177	177	178	177	176	175	176	175	175	176
Dry Water Years (24%)	176	176	177	177	178	177	176	176	176	175	176	176
Critical Water Years (16%)	176	177	178	177	179	179	177	176	176	176	176	176

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

Table F.2.5-3-5c. Sacramento River downstream of Georgiana Slough Salinity, Alt2wTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

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

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

Table F.2.5-3-6a. Sacramento River downstream of Georgiana Slough Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	178	178	178	179	179	177	176	176	176	176	176
20% Exceedance	176	177	178	178	179	178	176	176	176	175	176	176
30% Exceedance	176	177	177	178	178	177	176	176	176	175	176	176
40% Exceedance	176	176	177	177	178	177	176	176	176	175	175	176
50% Exceedance	176	176	177	177	177	177	176	176	176	175	175	175
60% Exceedance	176	176	177	176	177	177	176	175	176	175	175	175
70% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
80% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
90% Exceedance	175	176	176	176	176	176	175	175	175	175	175	175
Full Simulation Period Average[a]	176	176	177	177	178	177	176	176	176	175	175	175
Wet Water Years (28%)	175	176	176	177	176	176	176	175	175	175	175	175
Above Normal Years (14%)	176	176	177	177	177	176	176	175	175	175	175	175
Below Normal Years (18%)	176	177	177	177	178	177	176	175	176	175	175	176
Dry Water Years (24%)	176	176	177	177	178	177	176	176	176	175	176	176
Critical Water Years (16%)	176	177	178	177	179	179	177	176	176	176	176	176

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

Table F.2.5-3-6b. Sacramento River downstream of Georgiana Slough Salinity, Alternative 3, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	178	178	178	180	178	177	176	176	176	176	176
20% Exceedance	176	177	177	178	179	178	176	176	176	176	176	176
30% Exceedance	176	177	177	177	178	177	176	176	176	176	176	176
40% Exceedance	176	176	177	177	177	177	176	176	176	176	175	176
50% Exceedance	176	176	177	177	177	177	176	175	176	175	175	175
60% Exceedance	176	176	176	176	177	176	176	175	176	175	175	175
70% Exceedance	176	176	176	176	177	176	176	175	176	175	175	175
80% Exceedance	175	176	176	176	177	176	176	175	176	175	175	175
90% Exceedance	175	176	176	176	176	176	175	175	176	175	175	175
Full Simulation Period Average[a]	176	176	177	177	178	177	176	176	176	176	176	175
Wet Water Years (28%)	175	176	176	176	176	176	176	175	176	175	175	175
Above Normal Years (14%)	176	176	177	177	177	176	176	175	176	175	175	175
Below Normal Years (18%)	176	177	177	177	177	177	176	176	176	176	175	176
Dry Water Years (24%)	176	177	177	177	178	177	176	176	176	175	175	176
Critical Water Years (16%)	176	177	178	177	179	179	177	176	176	176	176	176

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

Table F.2.5-3-6c. Sacramento River downstream of Georgiana Slough Salinity, Alternative 3 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

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

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

Table F.2.5-3-7a. Sacramento River downstream of Georgiana Slough Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	178	178	178	179	179	177	176	176	176	176	176
20% Exceedance	176	177	178	178	179	178	176	176	176	175	176	176
30% Exceedance	176	177	177	178	178	177	176	176	176	175	176	176
40% Exceedance	176	176	177	177	178	177	176	176	176	175	175	176
50% Exceedance	176	176	177	177	177	177	176	176	176	175	175	175
60% Exceedance	176	176	177	176	177	177	176	175	176	175	175	175
70% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
80% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
90% Exceedance	175	176	176	176	176	176	175	175	175	175	175	175
Full Simulation Period Average[a]	176	176	177	177	178	177	176	176	176	175	175	175
Wet Water Years (28%)	175	176	176	177	176	176	176	175	175	175	175	175
Above Normal Years (14%)	176	176	177	177	177	176	176	175	175	175	175	175
Below Normal Years (18%)	176	177	177	177	178	177	176	175	176	175	175	176
Dry Water Years (24%)	176	176	177	177	178	177	176	176	176	175	176	176
Critical Water Years (16%)	176	177	178	177	179	179	177	176	176	176	176	176

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

Table F.2.5-3-7b. Sacramento River downstream of Georgiana Slough Salinity, Alternative 4, Monthly Electrical Conductivity (UMHOS/CM)

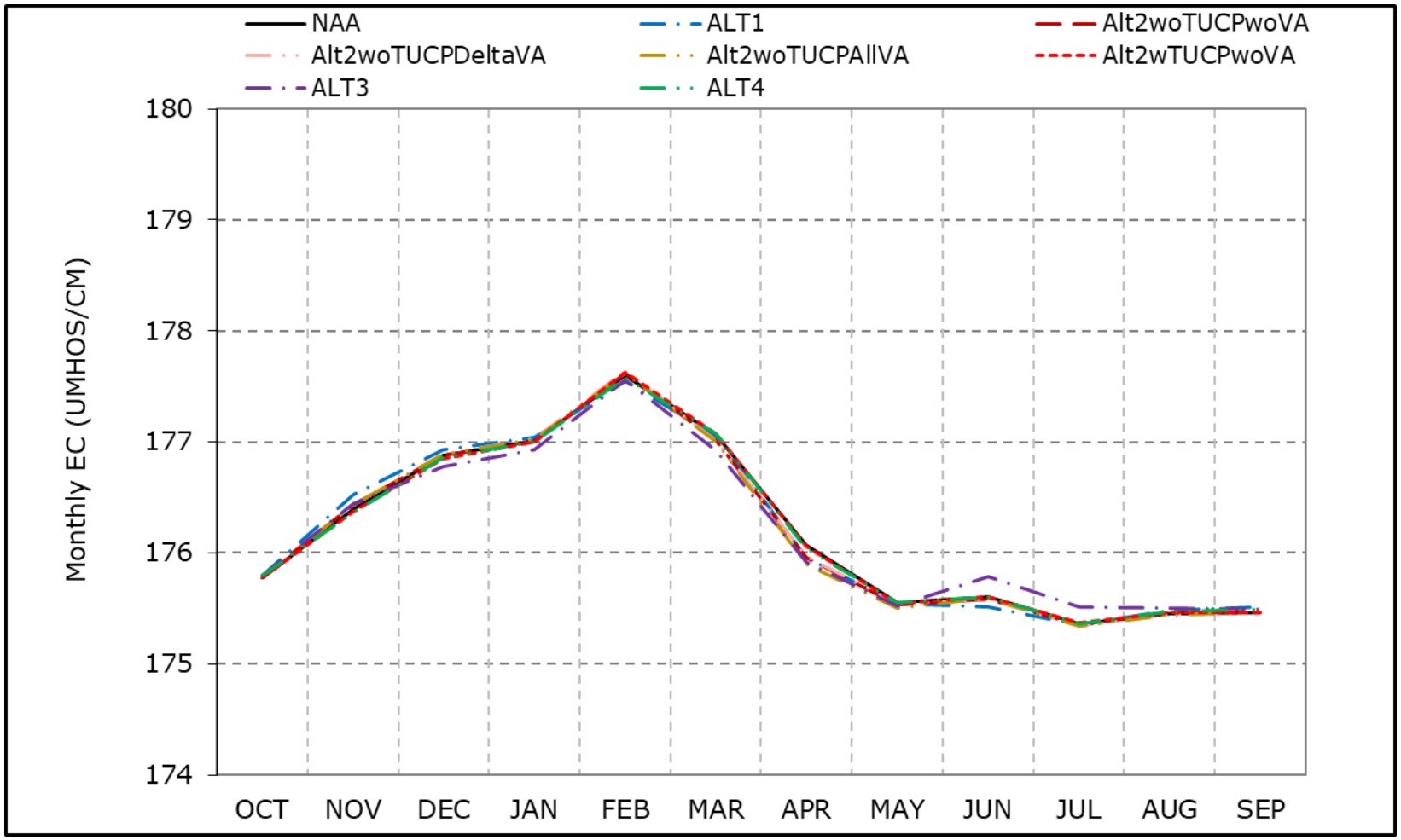
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	178	178	178	179	179	177	176	176	176	176	176
20% Exceedance	176	177	178	178	179	178	176	176	176	175	176	176
30% Exceedance	176	177	177	177	178	177	176	176	176	175	176	176
40% Exceedance	176	176	177	177	178	177	176	176	176	175	175	176
50% Exceedance	176	176	177	177	177	177	176	176	176	175	175	175
60% Exceedance	176	176	176	176	177	177	176	175	176	175	175	175
70% Exceedance	176	176	176	176	177	176	176	175	176	175	175	175
80% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
90% Exceedance	175	176	176	176	176	176	175	175	175	175	175	175
Full Simulation Period Average[a]	176	176	177	177	178	177	176	176	176	175	175	175
Wet Water Years (28%)	175	176	176	177	176	176	176	175	175	175	175	175
Above Normal Years (14%)	176	176	177	177	177	176	176	175	175	175	175	175
Below Normal Years (18%)	176	177	177	177	178	177	176	175	176	175	175	176
Dry Water Years (24%)	176	176	177	178	178	177	176	176	176	175	176	176
Critical Water Years (16%)	176	177	178	177	179	179	177	176	176	176	176	176

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

Table F.2.5-3-7c. Sacramento River downstream of Georgiana Slough Salinity, Alternative 4 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

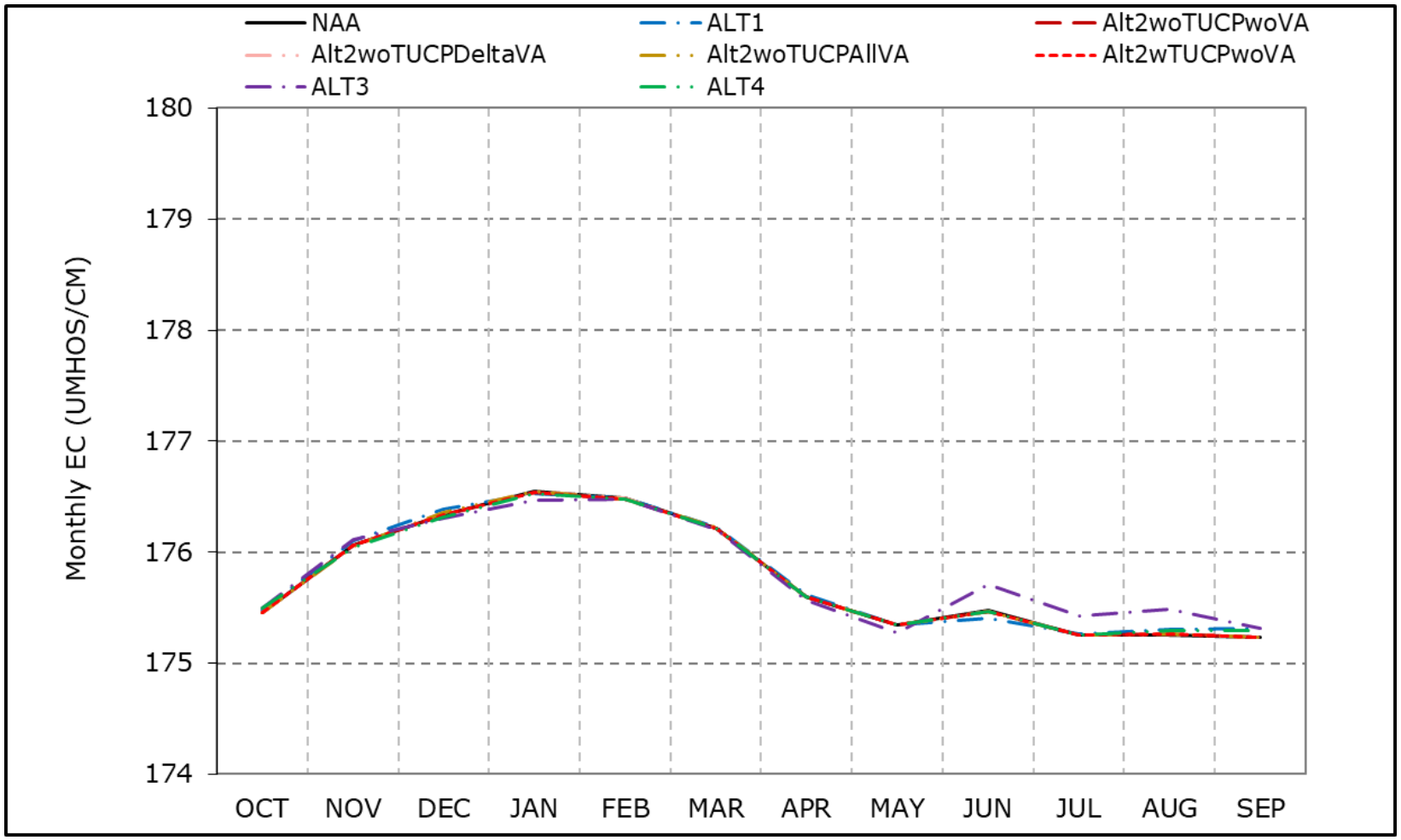
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance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

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



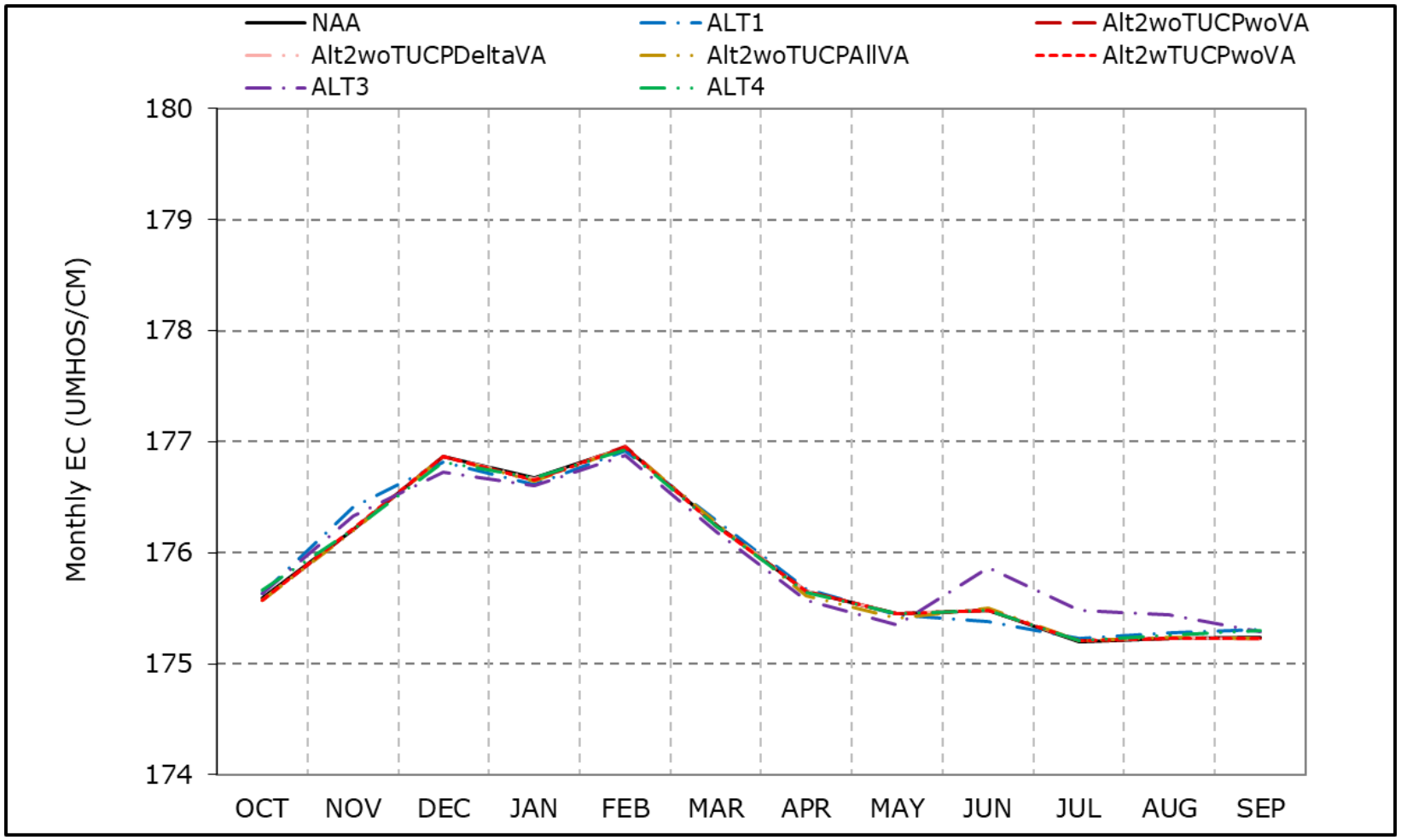
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-3-1. Sacramento River downstream of Georgiana Slough Salinity, Long-Term Average Electrical Conductivity



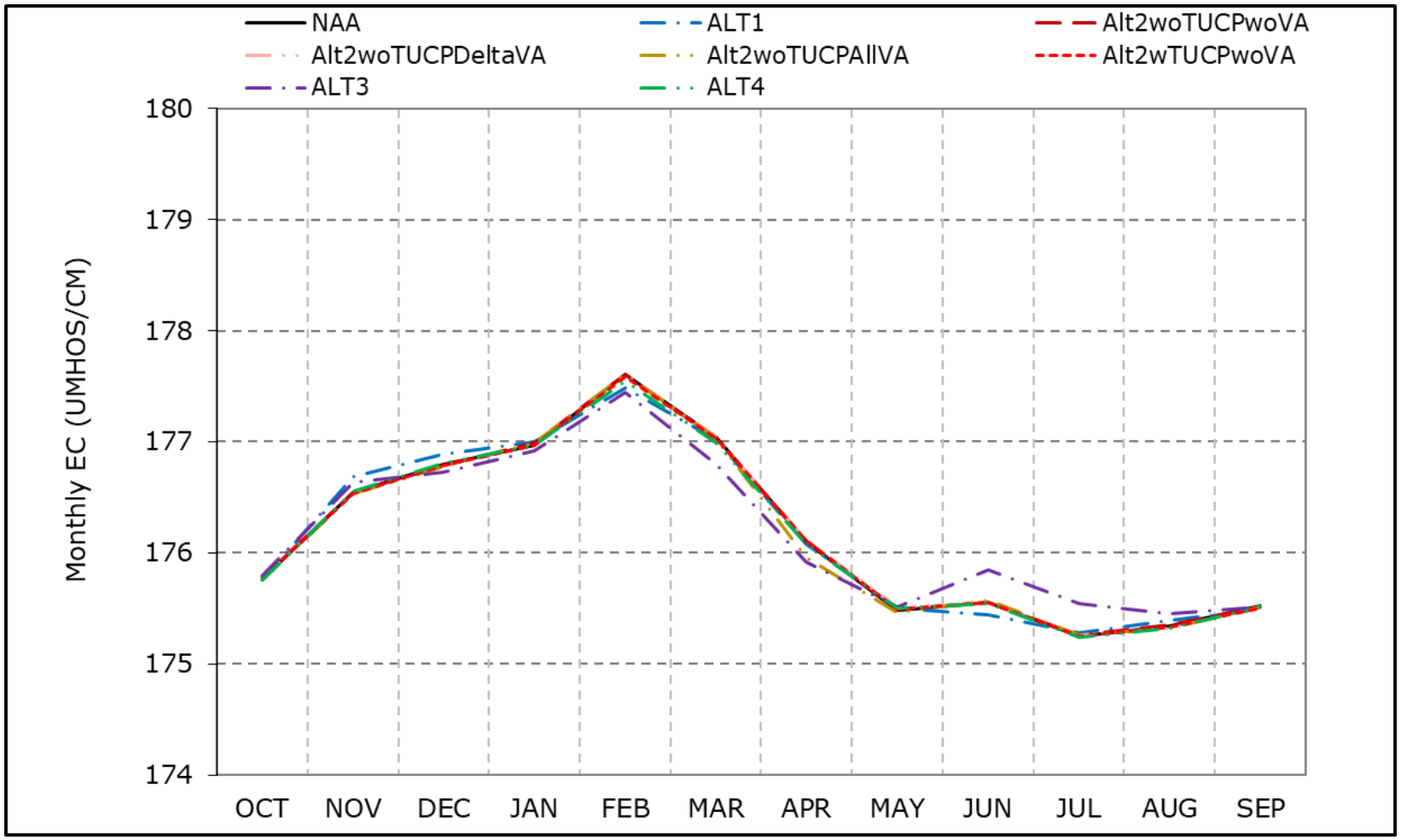
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-3-2. Sacramento River downstream of Georgiana Slough Salinity, Wet Year Average Electrical Conductivity



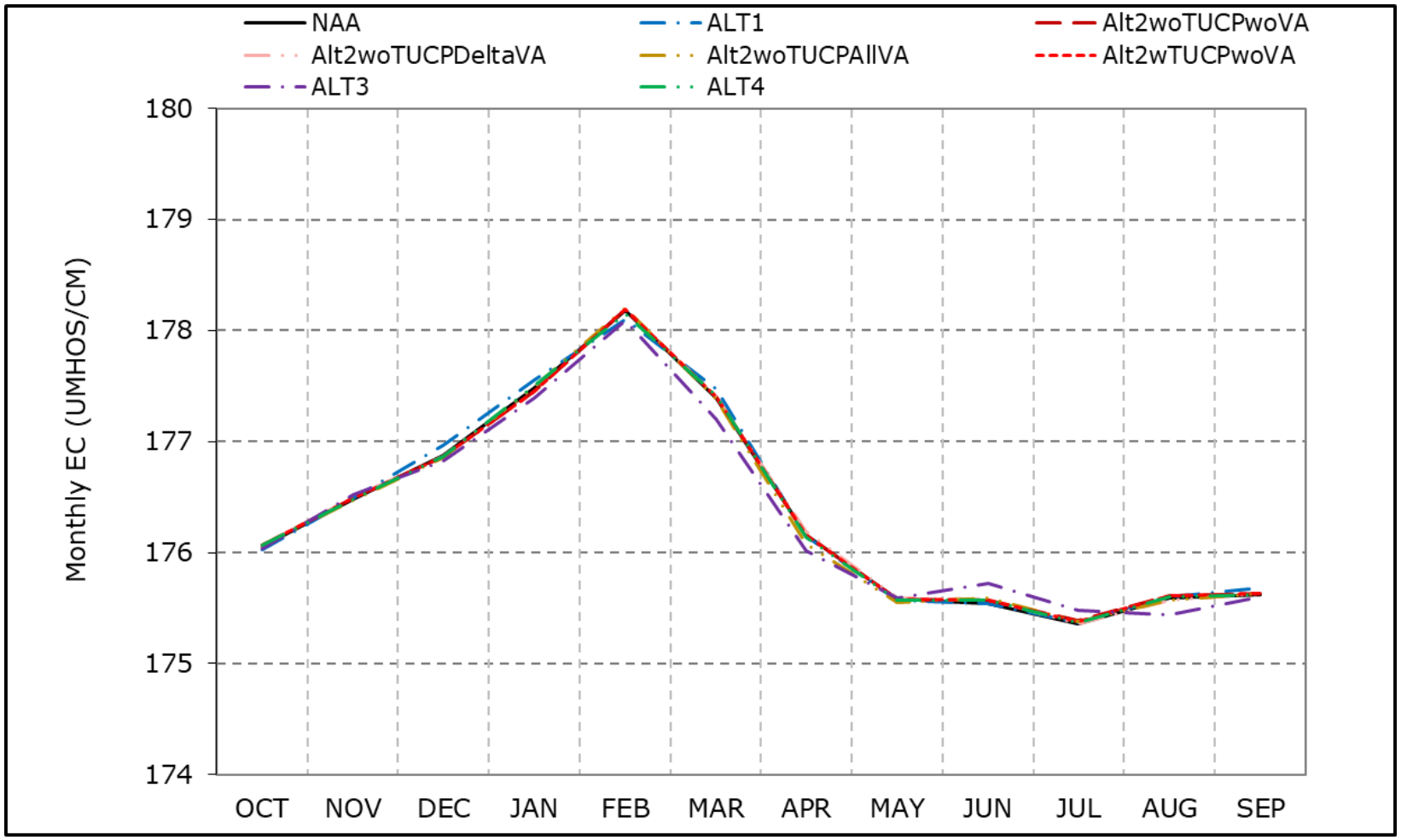
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-3-3. Sacramento River downstream of Georgiana Slough Salinity, Above Normal Year Average Electrical Conductivity



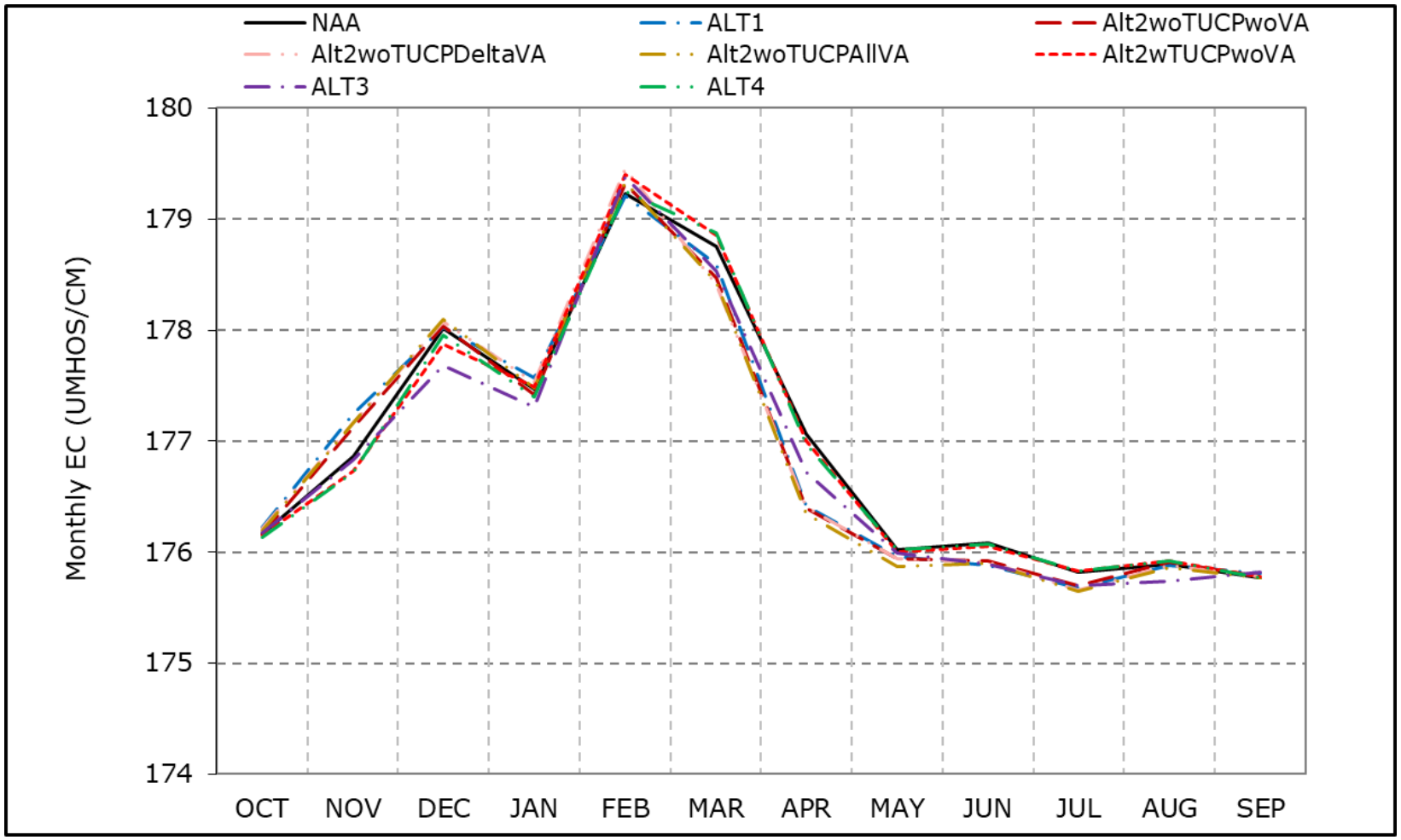
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-3-4. Sacramento River downstream of Georgiana Slough Salinity, Below Normal Year Average Electrical Conductivity



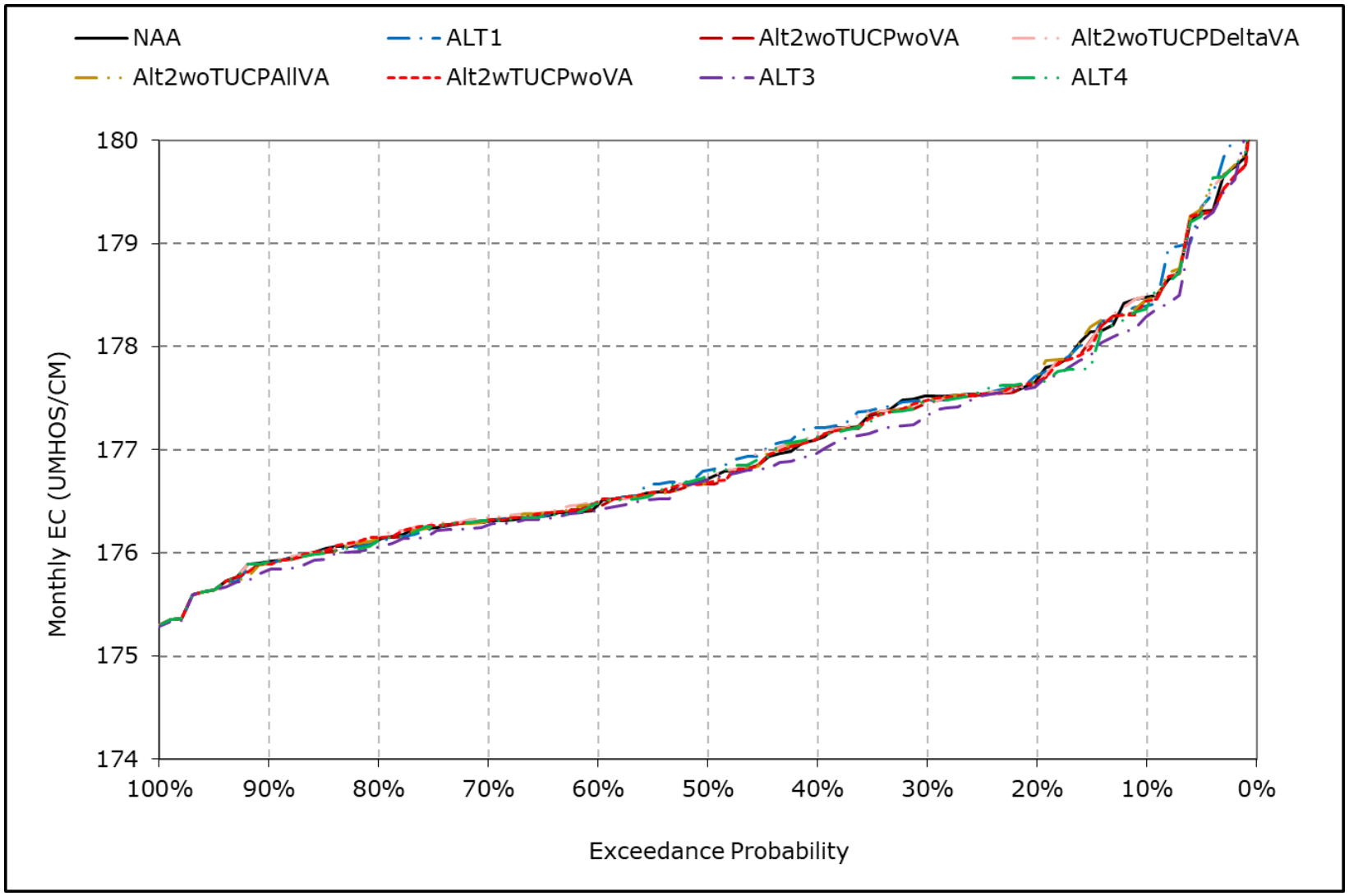
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-3-5. Sacramento River downstream of Georgiana Slough Salinity, Dry Year Average Electrical Conductivity



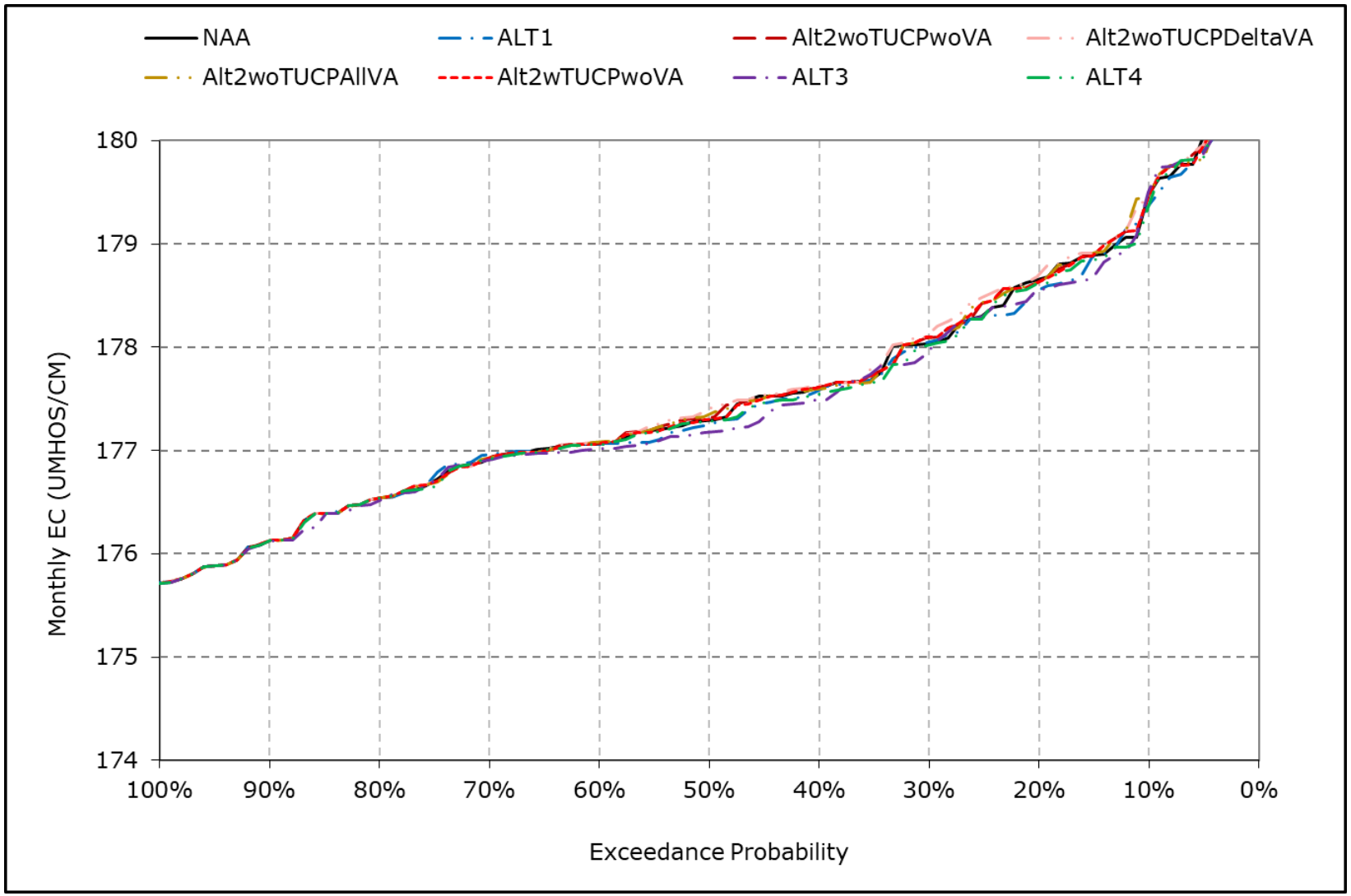
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-3-6. Sacramento River downstream of Georgiana Slough Salinity, Critical Year Average Electrical Conductivity



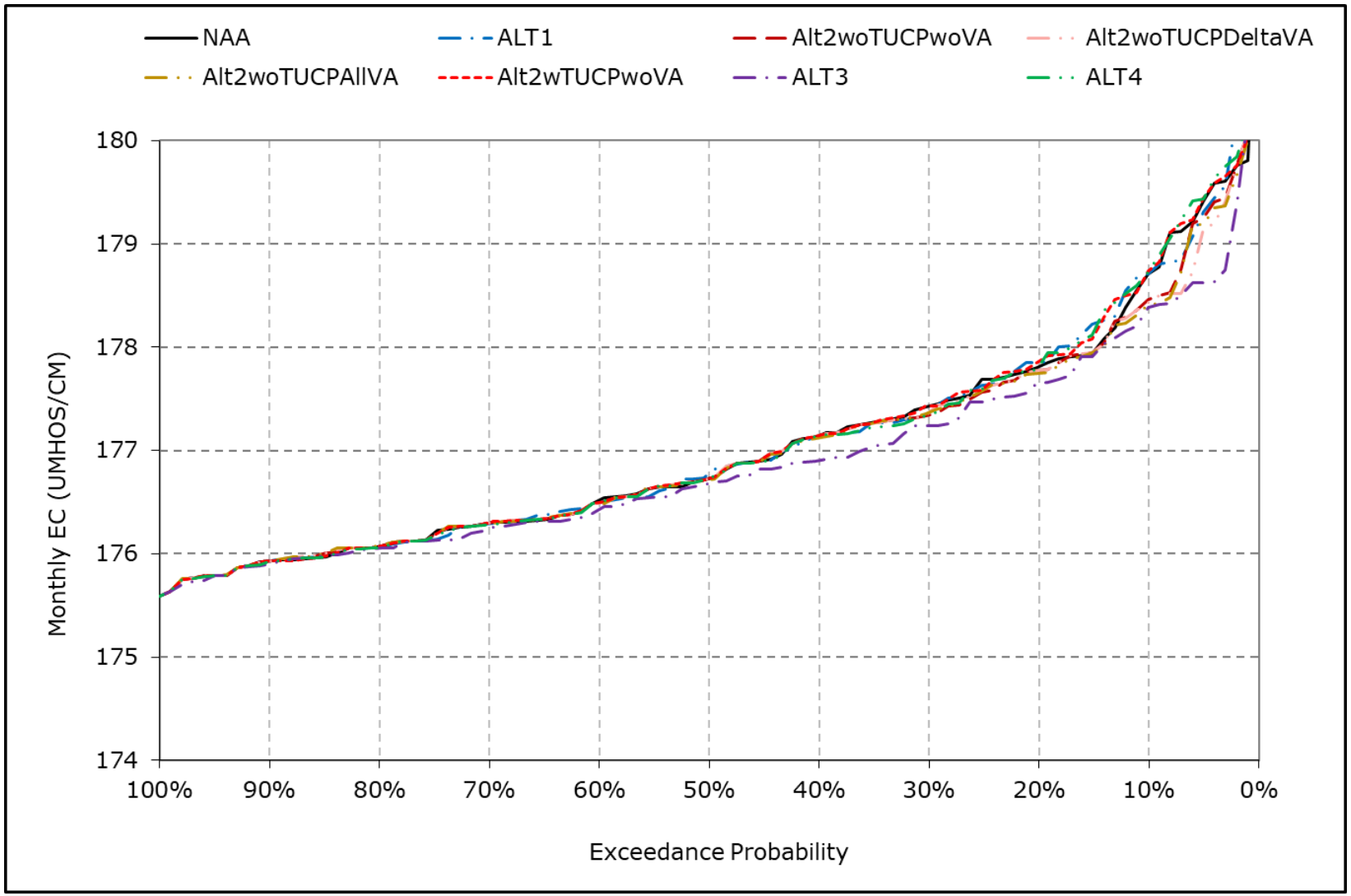
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-3-7. Sacramento River downstream of Georgiana Slough Salinity, January Electrical Conductivity



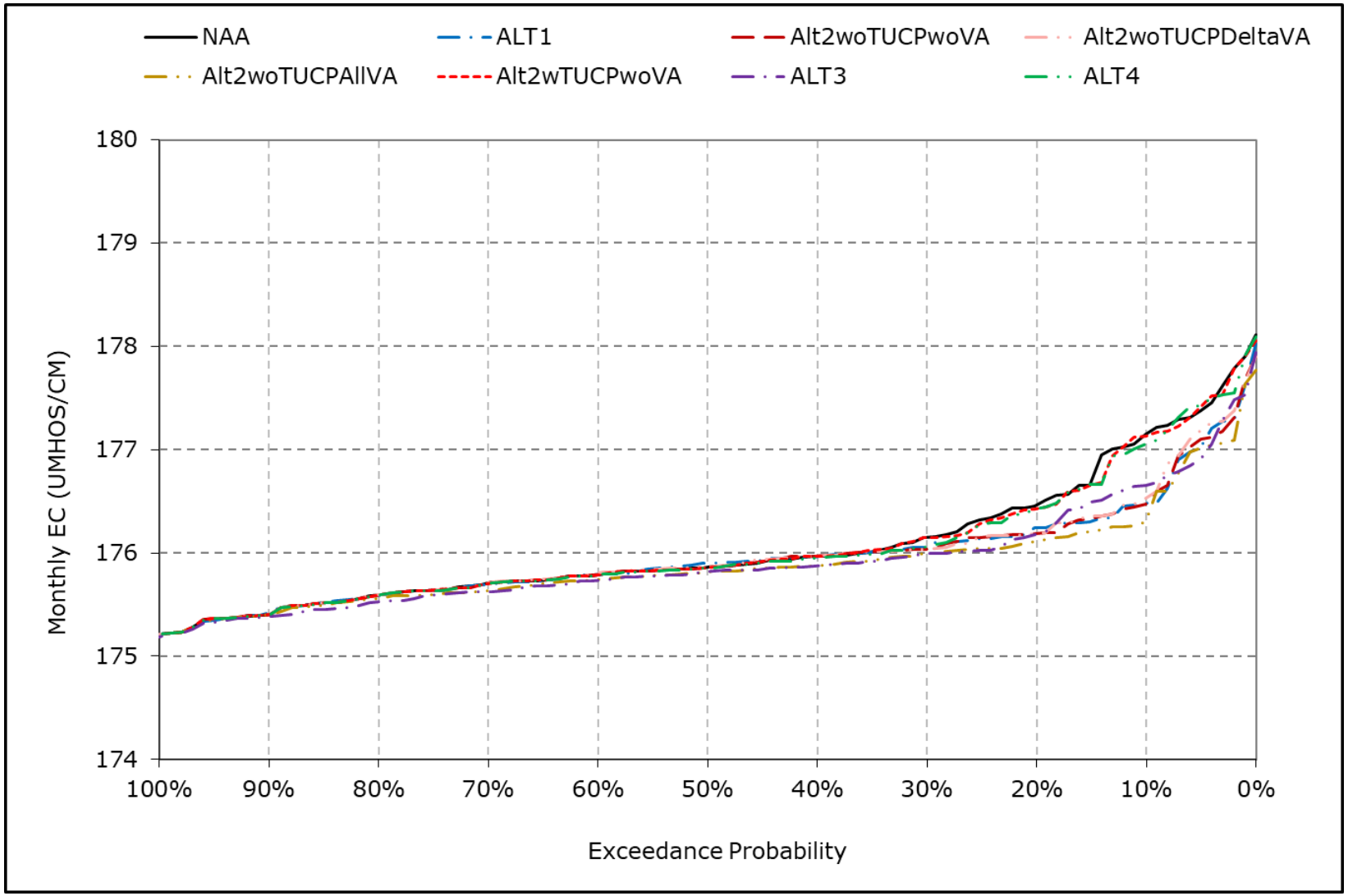
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-3-8. Sacramento River downstream of Georgiana Slough Salinity, February Electrical Conductivity



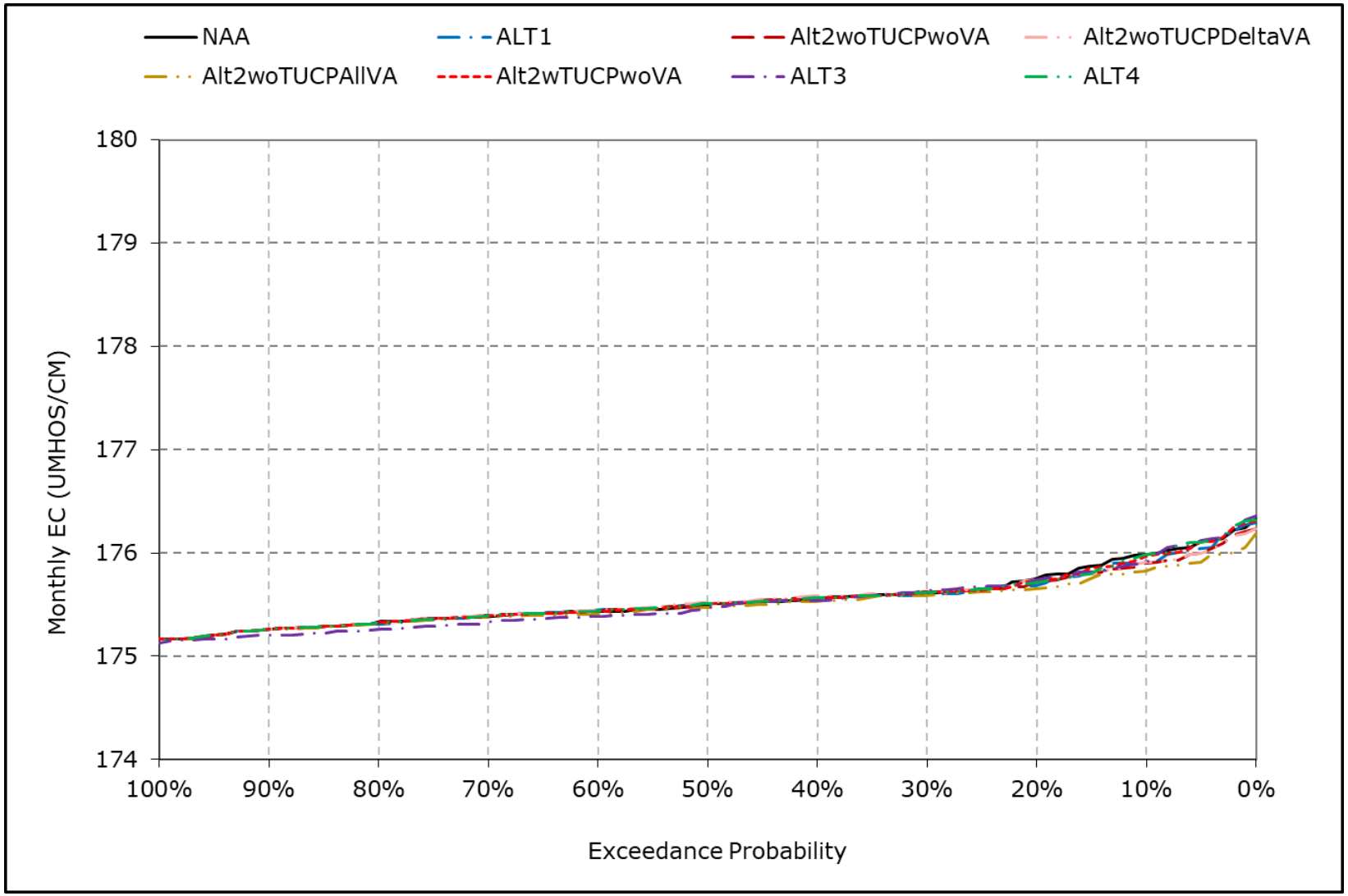
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-3-9. Sacramento River downstream of Georgiana Slough Salinity, March Electrical Conductivity



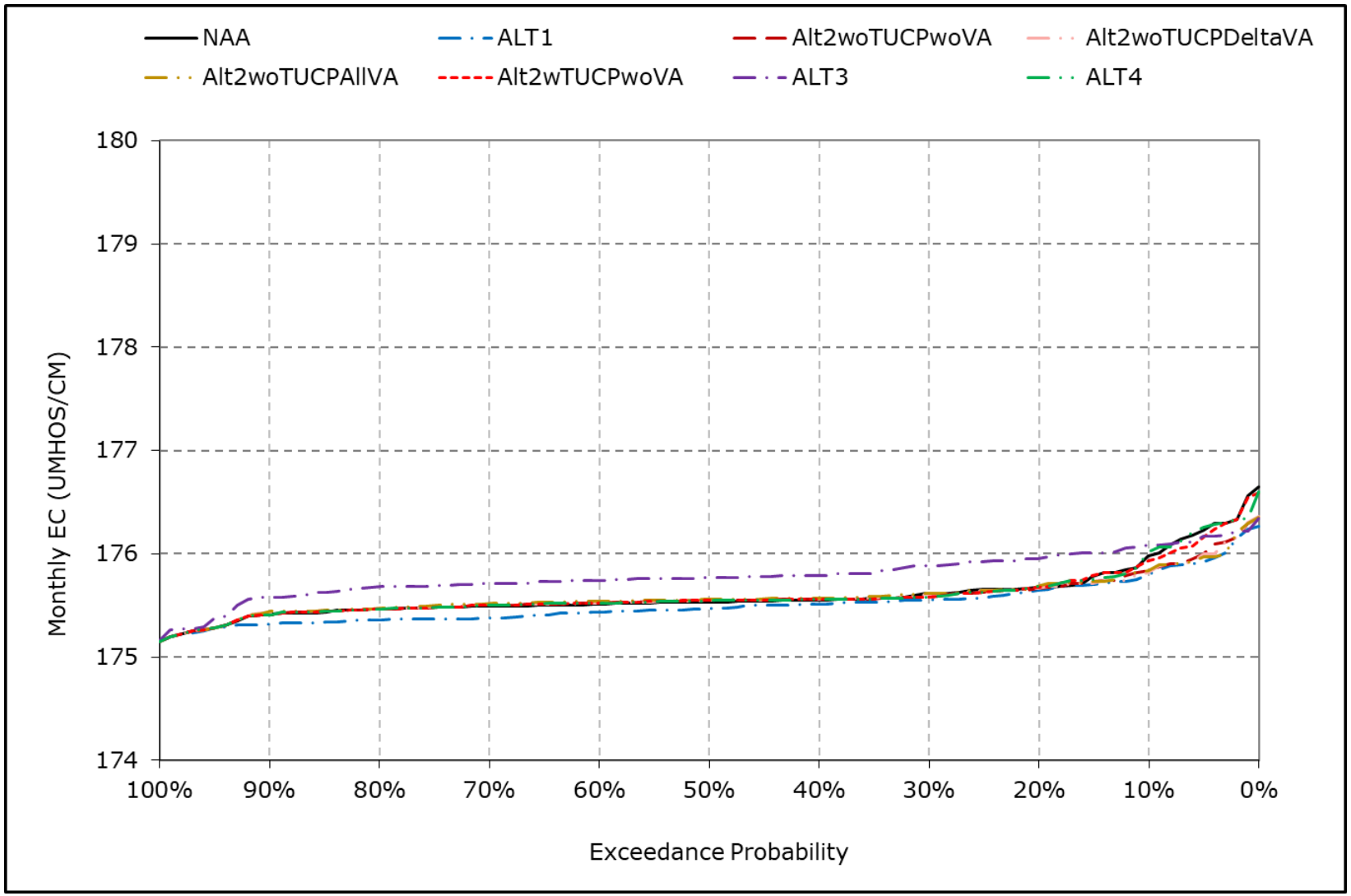
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-3-10. Sacramento River downstream of Georgiana Slough Salinity, April Electrical Conductivity



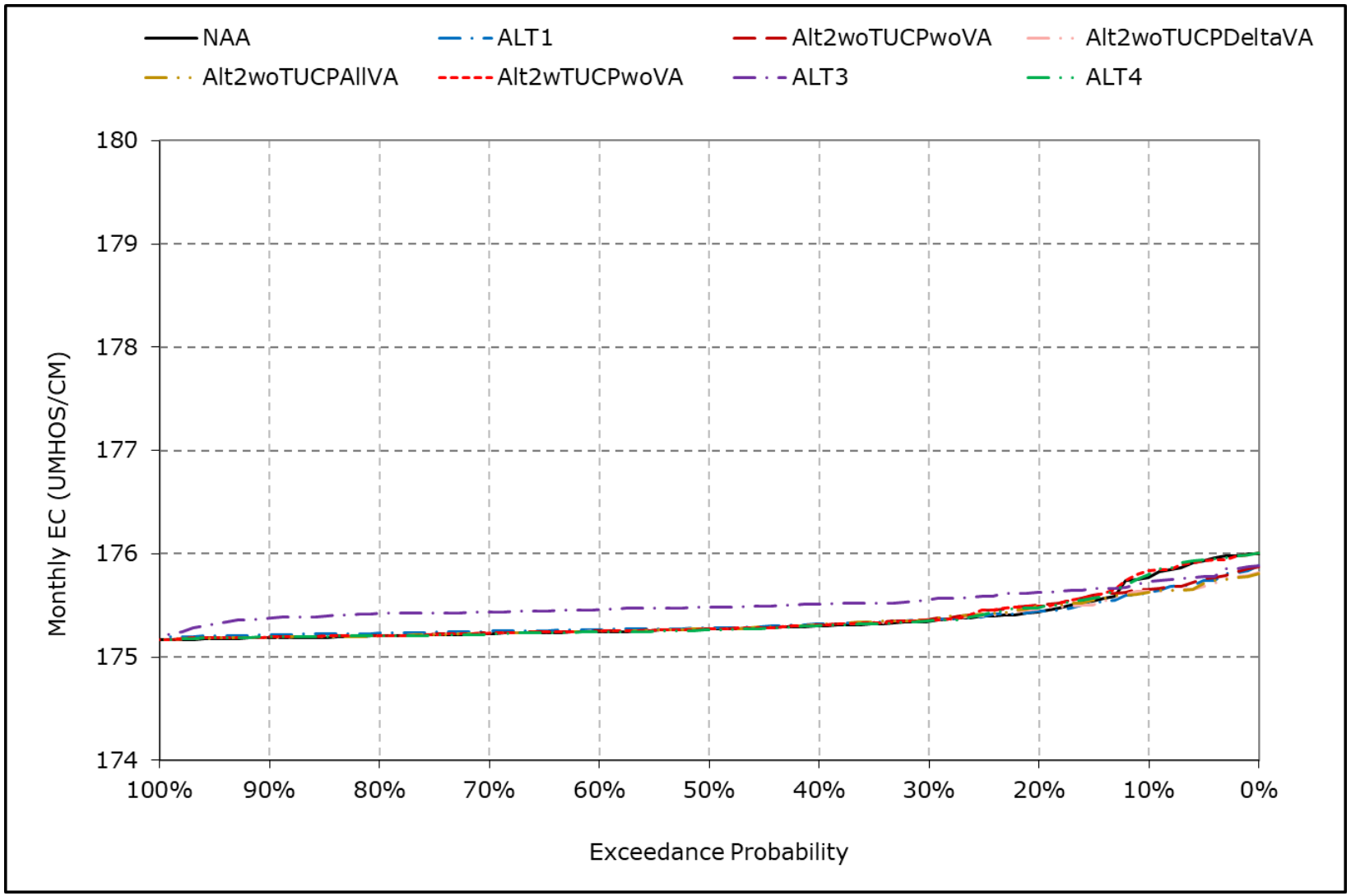
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-3-11. Sacramento River downstream of Georgiana Slough Salinity, May Electrical Conductivity



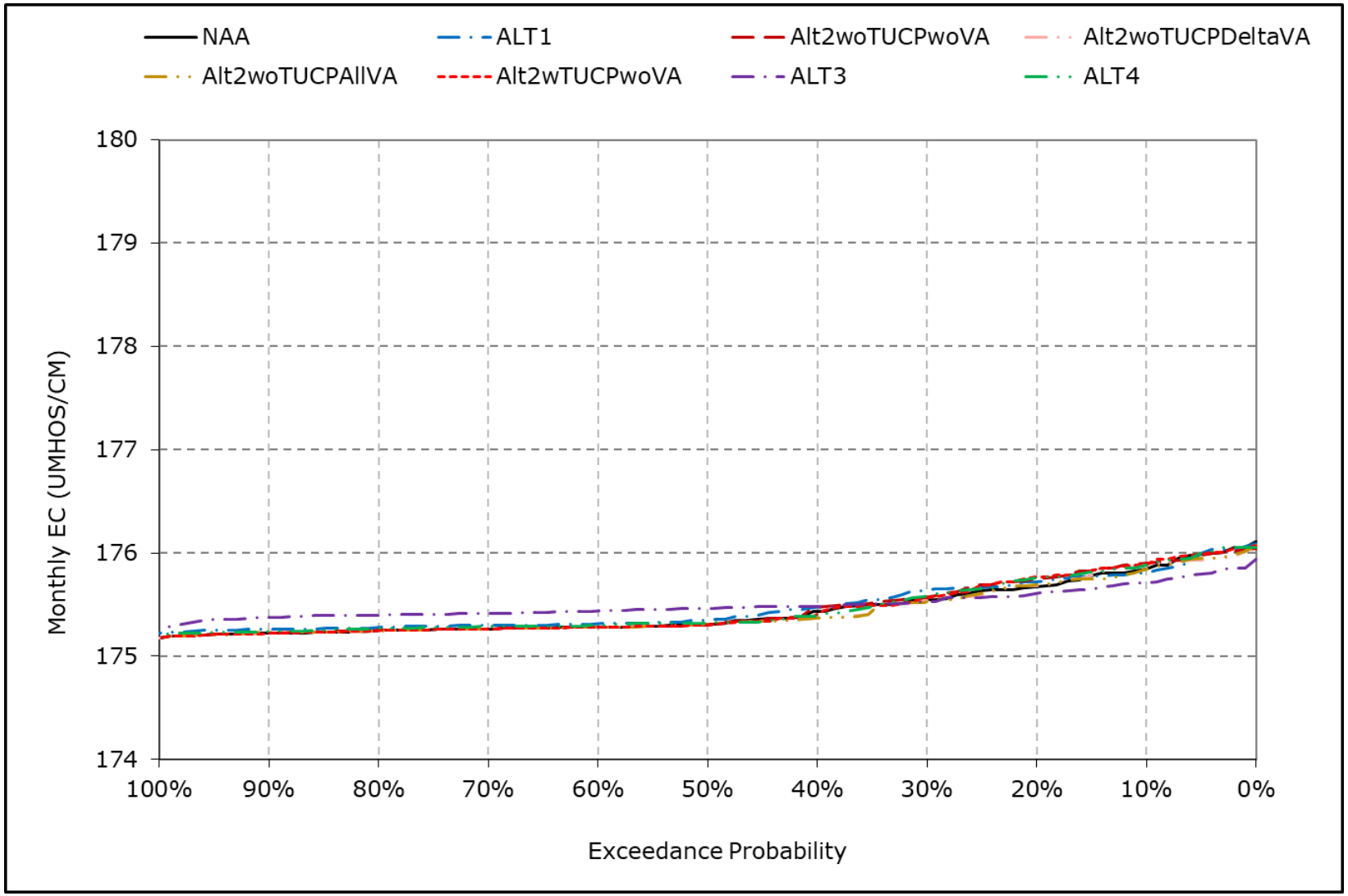
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-3-12. Sacramento River downstream of Georgiana Slough Salinity, June Electrical Conductivity



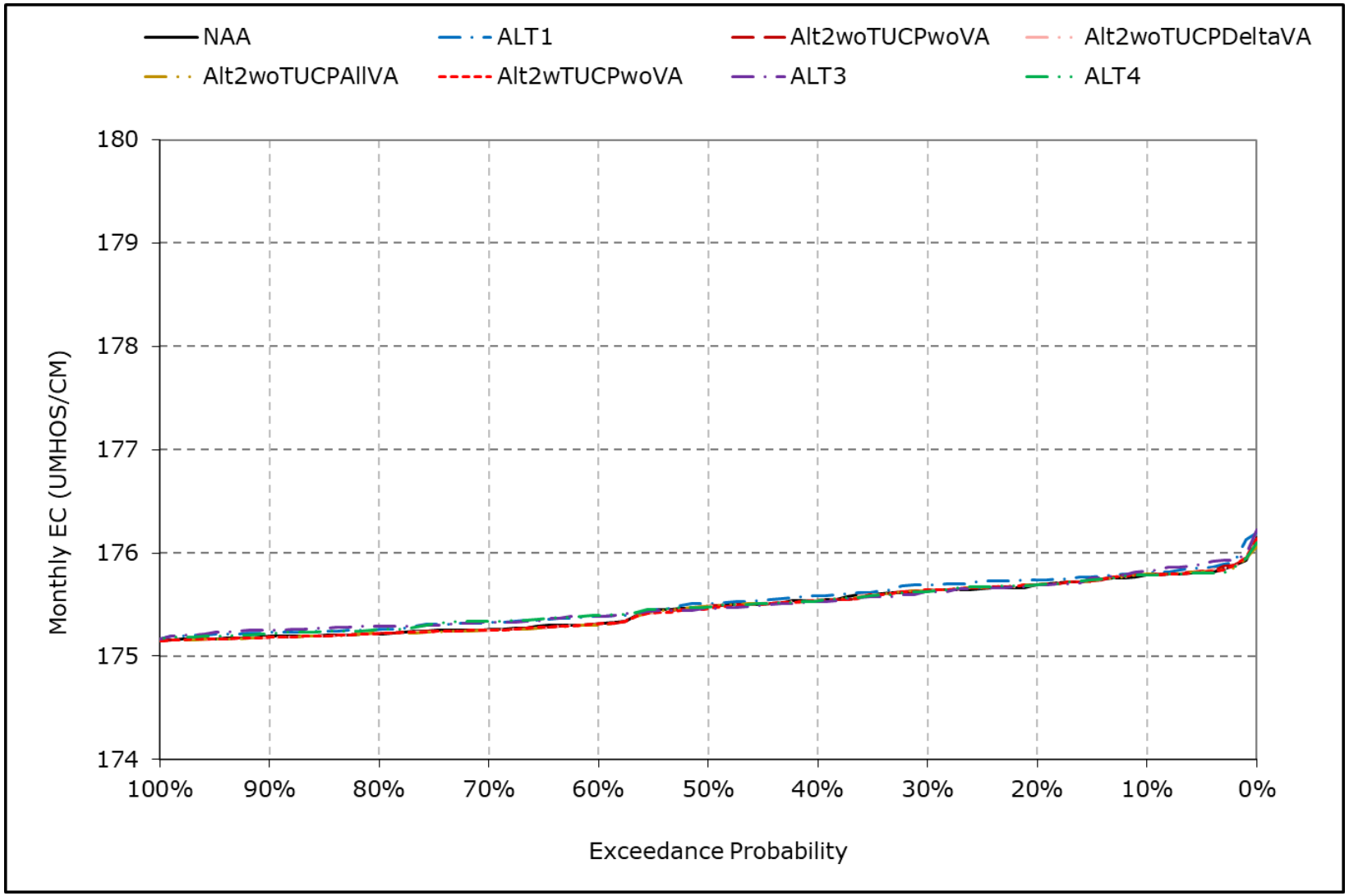
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-3-13. Sacramento River downstream of Georgiana Slough Salinity, July Electrical Conductivity



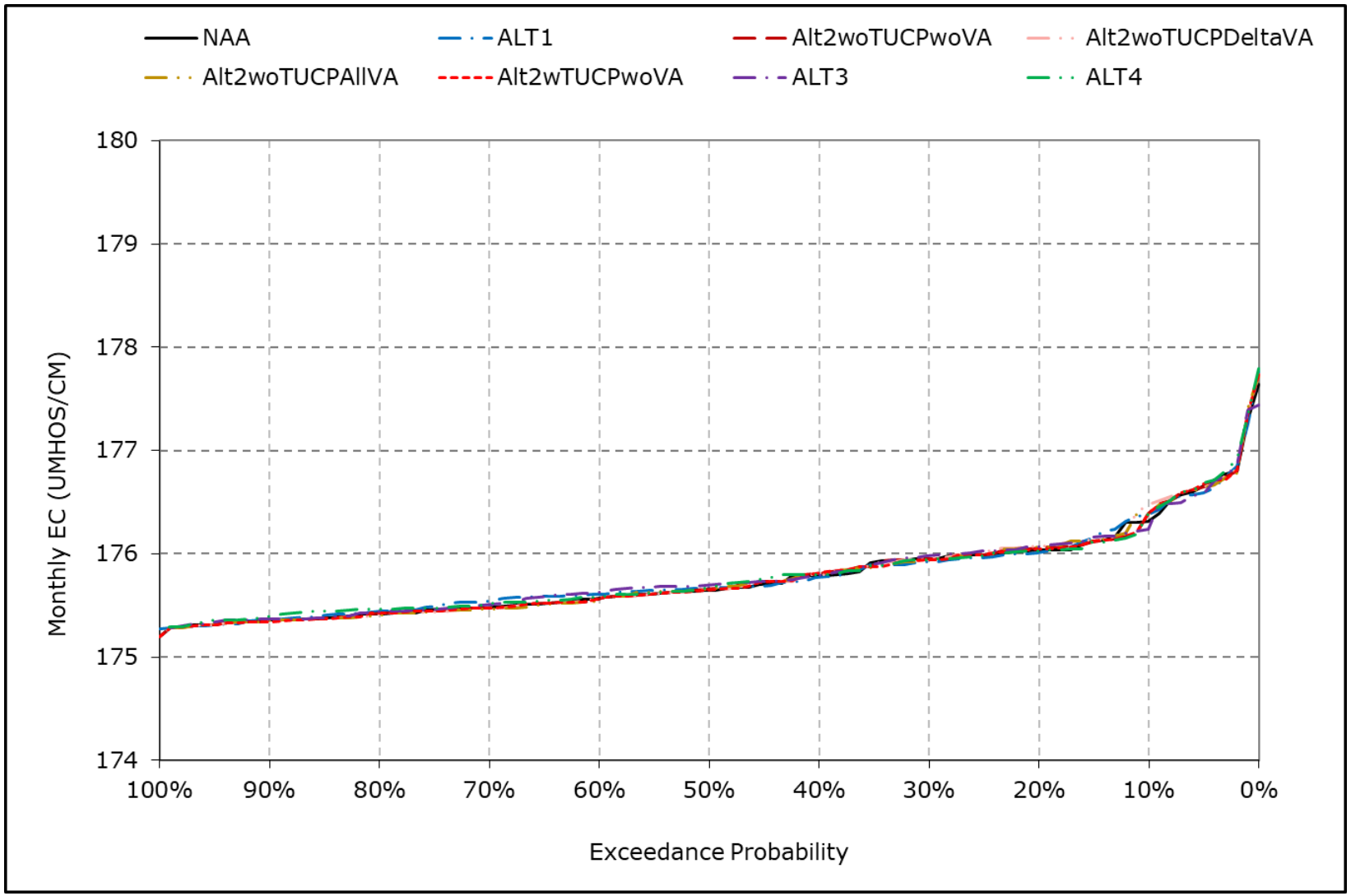
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-3-14. Sacramento River downstream of Georgiana Slough Salinity, August Electrical Conductivity



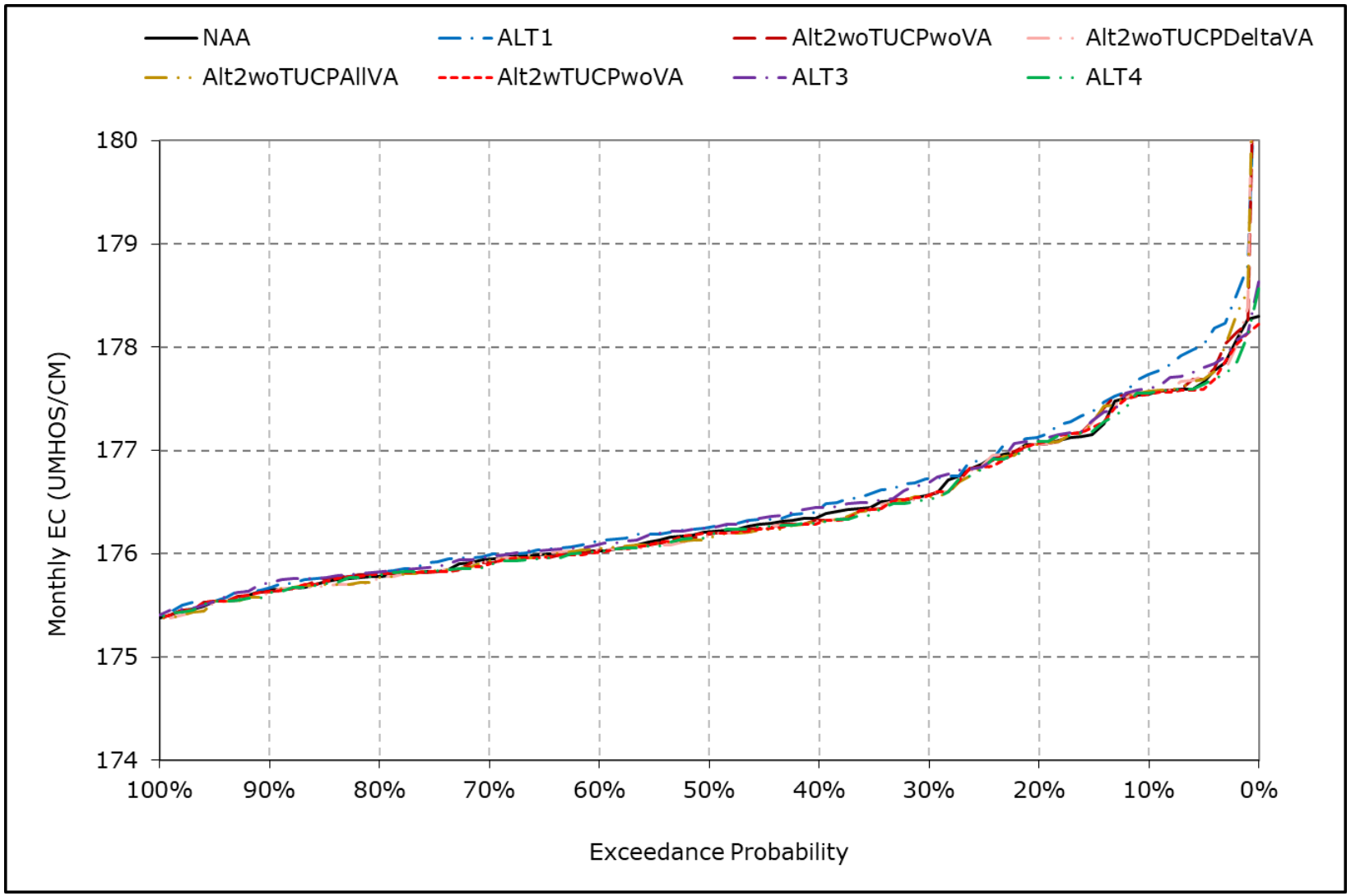
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-3-15. Sacramento River downstream of Georgiana Slough Salinity, September Electrical Conductivity



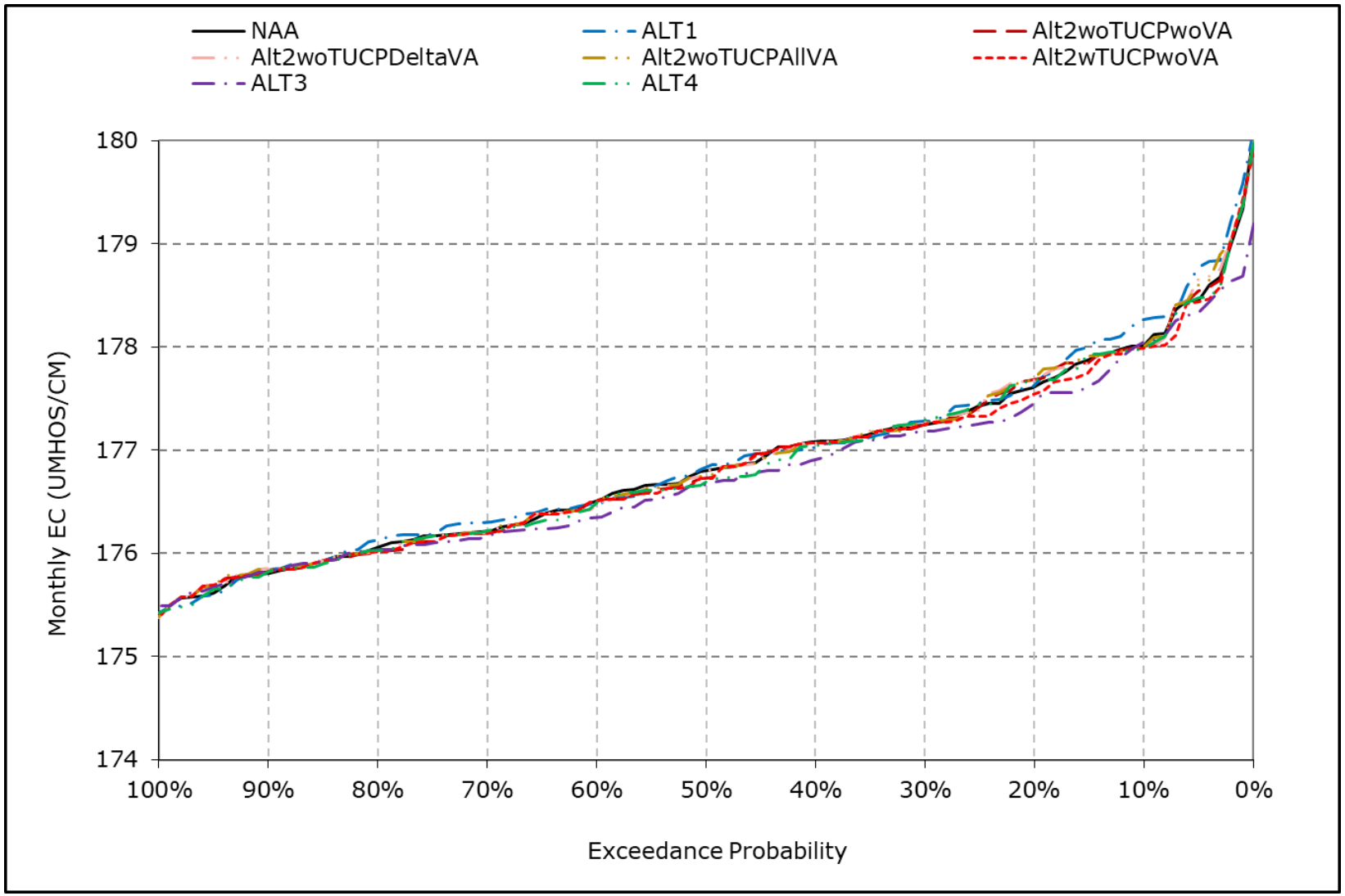
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-3-16. Sacramento River downstream of Georgiana Slough Salinity, October Electrical Conductivity



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

Figure F.2.5-3-17. Sacramento River downstream of Georgiana Slough Salinity, November Electrical Conductivity



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

Figure F.2.5-3-18. Sacramento River downstream of Georgiana Slough Salinity, December Electrical Conductivity

Table F.2.5-4-1a. Sacramento River at Emmaton Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,634	3,517	1,944	1,284	485	423	721	1,237	2,283	2,572	3,111	3,342
20% Exceedance	3,137	2,854	1,528	904	309	261	400	428	721	1,087	2,098	3,001
30% Exceedance	2,815	2,549	1,339	469	231	204	253	391	651	912	1,859	2,668
40% Exceedance	2,525	2,101	1,092	305	203	197	216	326	571	772	1,565	2,462
50% Exceedance	2,189	1,153	684	250	194	193	203	245	489	519	997	1,926
60% Exceedance	446	1,011	380	211	188	190	196	226	453	406	671	487
70% Exceedance	417	919	270	187	184	184	189	199	382	360	617	437
80% Exceedance	388	730	223	181	181	181	185	185	285	330	579	406
90% Exceedance	358	357	187	179	179	179	180	178	210	315	520	386
Full Simulation Period Average[a]	1,772	1,737	939	537	278	251	358	491	750	921	1,413	1,739
Wet Water Years (28%)	386	729	703	187	180	182	185	202	300	331	566	401
Above Normal Years (14%)	386	855	773	322	189	184	193	230	369	337	566	420
Below Normal Years (18%)	2,262	1,979	745	386	233	202	234	279	560	596	1,159	2,098
Dry Water Years (24%)	2,679	2,178	1,078	747	304	248	270	356	604	940	1,864	2,702
Critical Water Years (16%)	3,704	3,502	1,559	1,194	540	488	1,076	1,668	2,305	2,802	3,246	3,388

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

Table F.2.5-4-1b. Sacramento River at Emmaton Salinity, Alternative 1, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,411	3,355	2,676	1,749	536	442	464	914	1,066	1,621	2,692	3,204
20% Exceedance	2,818	2,872	2,302	1,433	398	270	334	447	695	1,041	2,164	2,924
30% Exceedance	2,613	2,580	1,786	921	275	212	272	422	603	907	1,872	2,689
40% Exceedance	2,521	2,473	1,359	453	221	199	216	397	460	710	1,525	2,337
50% Exceedance	2,203	2,278	1,110	302	195	194	204	271	417	576	1,036	1,989
60% Exceedance	1,970	2,068	577	229	188	189	194	234	345	432	959	1,586
70% Exceedance	1,678	1,671	321	187	184	184	187	197	311	395	913	1,455
80% Exceedance	1,451	1,021	236	181	180	181	183	184	277	367	886	1,198
90% Exceedance	1,284	499	190	179	179	179	180	178	215	330	841	1,073
Full Simulation Period Average[a]	2,185	2,113	1,204	698	310	254	285	419	613	797	1,464	2,048
Wet Water Years (28%)	1,474	1,426	931	198	180	182	186	208	257	350	854	1,278
Above Normal Years (14%)	1,729	1,937	978	344	192	185	193	243	298	372	876	1,404
Below Normal Years (18%)	2,113	2,110	1,046	552	267	209	241	314	432	598	1,178	1,811
Dry Water Years (24%)	2,531	2,132	1,464	1,074	366	268	281	375	613	953	1,904	2,703
Critical Water Years (16%)	3,504	3,544	1,712	1,481	603	468	592	1,125	1,719	1,942	2,708	3,242

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

Table F.2.5-4-1c. Sacramento River at Emmaton Salinity, Alternative 1 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-223	-162	732	466	51	19	-257	-323	-1,217	-951	-419	-138
20% Exceedance	-319	18	774	529	90	9	-67	19	-26	-46	65	-77
30% Exceedance	-202	31	447	452	45	8	19	31	-48	-5	14	21
40% Exceedance	-4	372	267	149	17	2	0	71	-111	-63	-40	-125
50% Exceedance	15	1,125	426	52	1	1	0	25	-72	57	39	63
60% Exceedance	1,524	1,057	197	18	0	-1	-2	8	-108	26	288	1,099
70% Exceedance	1,261	753	51	0	0	0	-1	-2	-71	34	296	1,018
80% Exceedance	1,063	292	13	0	0	0	-1	-1	-9	37	306	792
90% Exceedance	926	142	3	0	0	0	0	0	5	16	321	688
Full Simulation Period Average[a]	414	376	265	160	31	3	-73	-73	-137	-124	51	308
Wet Water Years (28%)	1,088	697	229	11	0	0	1	6	-43	19	288	877
Above Normal Years (14%)	1,343	1,082	205	21	3	1	0	13	-72	34	310	984
Below Normal Years (18%)	-149	131	301	166	34	7	7	35	-128	2	19	-288
Dry Water Years (24%)	-149	-46	387	327	61	19	11	18	9	13	40	1
Critical Water Years (16%)	-199	42	153	287	63	-20	-483	-543	-586	-860	-538	-146

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

Table F.2.5-4-2a. Sacramento River at Emmaton Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,634	3,517	1,944	1,284	485	423	721	1,237	2,283	2,572	3,111	3,342
20% Exceedance	3,137	2,854	1,528	904	309	261	400	428	721	1,087	2,098	3,001
30% Exceedance	2,815	2,549	1,339	469	231	204	253	391	651	912	1,859	2,668
40% Exceedance	2,525	2,101	1,092	305	203	197	216	326	571	772	1,565	2,462
50% Exceedance	2,189	1,153	684	250	194	193	203	245	489	519	997	1,926
60% Exceedance	446	1,011	380	211	188	190	196	226	453	406	671	487
70% Exceedance	417	919	270	187	184	184	189	199	382	360	617	437
80% Exceedance	388	730	223	181	181	181	185	185	285	330	579	406
90% Exceedance	358	357	187	179	179	179	180	178	210	315	520	386
Full Simulation Period Average[a]	1,772	1,737	939	537	278	251	358	491	750	921	1,413	1,739
Wet Water Years (28%)	386	729	703	187	180	182	185	202	300	331	566	401
Above Normal Years (14%)	386	855	773	322	189	184	193	230	369	337	566	420
Below Normal Years (18%)	2,262	1,979	745	386	233	202	234	279	560	596	1,159	2,098
Dry Water Years (24%)	2,679	2,178	1,078	747	304	248	270	356	604	940	1,864	2,702
Critical Water Years (16%)	3,704	3,502	1,559	1,194	540	488	1,076	1,668	2,305	2,802	3,246	3,388

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

Table F.2.5-4-2b. Sacramento River at Emmaton Salinity, Alt2woTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,807	3,283	1,857	1,270	444	334	456	815	1,109	1,656	2,724	3,392
20% Exceedance	3,157	2,862	1,561	794	304	255	325	461	764	1,187	2,225	3,026
30% Exceedance	2,860	2,611	1,306	420	223	204	255	423	662	902	1,954	2,767
40% Exceedance	2,492	2,131	1,075	329	203	198	222	389	590	764	1,485	2,364
50% Exceedance	2,138	1,133	625	254	193	193	204	272	480	553	1,028	2,063
60% Exceedance	448	1,008	381	206	188	190	194	230	448	410	707	478
70% Exceedance	412	916	268	187	184	184	188	199	406	381	643	441
80% Exceedance	382	700	215	181	180	182	184	184	283	344	602	419
90% Exceedance	357	384	188	179	179	179	180	178	208	320	566	395
Full Simulation Period Average[a]	1,805	1,685	932	512	276	241	279	413	664	808	1,362	1,765
Wet Water Years (28%)	388	729	705	186	180	182	185	208	298	341	600	411
Above Normal Years (14%)	376	826	773	323	189	184	193	242	365	353	597	423
Below Normal Years (18%)	2,294	1,945	742	391	233	201	239	314	567	603	1,147	2,093
Dry Water Years (24%)	2,707	2,211	1,049	685	289	247	275	374	637	993	1,951	2,765
Critical Water Years (16%)	3,852	3,175	1,557	1,125	551	428	572	1,092	1,714	1,973	2,724	3,438

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

Table F.2.5-4-2c. Sacramento River at Emmaton Salinity, Alt2woTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	173	-234	-87	-14	-41	-89	-265	-422	-1,174	-917	-387	50
20% Exceedance	20	9	33	-110	-4	-6	-75	34	42	100	127	25
30% Exceedance	44	62	-34	-49	-8	0	3	32	11	-10	95	99
40% Exceedance	-33	30	-17	24	0	0	6	63	18	-9	-79	-98
50% Exceedance	-51	-20	-58	3	-1	0	0	27	-9	33	31	137
60% Exceedance	2	-3	1	-5	0	0	-2	4	-4	4	36	-9
70% Exceedance	-5	-3	-3	0	0	0	-1	0	24	20	26	4
80% Exceedance	-6	-30	-8	0	0	0	-1	-1	-2	14	22	13
90% Exceedance	-1	27	0	0	0	0	0	0	-2	5	47	9
Full Simulation Period Average[a]	34	-52	-7	-25	-2	-10	-79	-78	-87	-114	-51	25
Wet Water Years (28%)	2	0	3	-1	0	0	0	6	-2	10	34	10
Above Normal Years (14%)	-10	-29	0	0	0	0	-1	12	-4	16	31	3
Below Normal Years (18%)	32	-35	-3	5	0	0	5	35	7	7	-11	-5
Dry Water Years (24%)	28	33	-29	-63	-15	-1	5	18	33	54	88	63
Critical Water Years (16%)	148	-327	-2	-68	11	-60	-504	-577	-591	-829	-521	50

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

Table F.2.5-4-3a. Sacramento River at Emmaton Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,634	3,517	1,944	1,284	485	423	721	1,237	2,283	2,572	3,111	3,342
20% Exceedance	3,137	2,854	1,528	904	309	261	400	428	721	1,087	2,098	3,001
30% Exceedance	2,815	2,549	1,339	469	231	204	253	391	651	912	1,859	2,668
40% Exceedance	2,525	2,101	1,092	305	203	197	216	326	571	772	1,565	2,462
50% Exceedance	2,189	1,153	684	250	194	193	203	245	489	519	997	1,926
60% Exceedance	446	1,011	380	211	188	190	196	226	453	406	671	487
70% Exceedance	417	919	270	187	184	184	189	199	382	360	617	437
80% Exceedance	388	730	223	181	181	181	185	185	285	330	579	406
90% Exceedance	358	357	187	179	179	179	180	178	210	315	520	386
Full Simulation Period Average[a]	1,772	1,737	939	537	278	251	358	491	750	921	1,413	1,739
Wet Water Years (28%)	386	729	703	187	180	182	185	202	300	331	566	401
Above Normal Years (14%)	386	855	773	322	189	184	193	230	369	337	566	420
Below Normal Years (18%)	2,262	1,979	745	386	233	202	234	279	560	596	1,159	2,098
Dry Water Years (24%)	2,679	2,178	1,078	747	304	248	270	356	604	940	1,864	2,702
Critical Water Years (16%)	3,704	3,502	1,559	1,194	540	488	1,076	1,668	2,305	2,802	3,246	3,388

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

Table F.2.5-4-3b. Sacramento River at Emmaton Salinity, Alt2woTUCPDeltaVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,838	3,124	1,968	1,299	452	341	433	840	1,110	1,588	2,688	3,377
20% Exceedance	3,159	2,866	1,518	792	298	241	290	465	797	1,152	2,177	3,012
30% Exceedance	2,839	2,573	1,359	428	233	204	255	431	685	909	1,861	2,783
40% Exceedance	2,465	1,919	1,097	328	206	199	220	359	584	756	1,419	2,412
50% Exceedance	2,184	1,169	624	265	193	195	203	272	488	562	1,016	2,053
60% Exceedance	449	975	382	209	188	190	196	230	455	409	706	473
70% Exceedance	414	870	269	187	184	184	189	202	405	370	641	436
80% Exceedance	380	702	222	182	180	182	185	184	283	340	596	413
90% Exceedance	359	387	187	179	179	179	180	178	209	318	561	395
Full Simulation Period Average[a]	1,809	1,664	938	552	297	239	276	412	668	793	1,332	1,766
Wet Water Years (28%)	389	718	723	187	180	183	185	208	302	338	598	409
Above Normal Years (14%)	378	815	766	323	189	185	195	235	373	348	589	416
Below Normal Years (18%)	2,271	1,912	726	402	233	200	231	319	574	607	1,091	2,105
Dry Water Years (24%)	2,700	2,189	1,023	704	297	234	265	369	644	977	1,895	2,772
Critical Water Years (16%)	3,910	3,143	1,630	1,334	669	433	572	1,091	1,709	1,915	2,694	3,434

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

Table F.2.5-4-3c. Sacramento River at Emmaton Salinity, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	203	-393	24	15	-33	-82	-289	-397	-1,172	-984	-423	35
20% Exceedance	22	13	-10	-112	-10	-20	-111	37	75	65	79	10
30% Exceedance	24	24	19	-41	2	0	3	40	35	-3	2	115
40% Exceedance	-60	-182	5	23	2	1	4	33	13	-16	-145	-50
50% Exceedance	-5	16	-59	15	-1	1	-1	27	-1	43	19	126
60% Exceedance	3	-37	2	-2	0	0	1	5	2	3	36	-14
70% Exceedance	-3	-49	-1	0	0	0	1	3	22	10	24	-1
80% Exceedance	-8	-27	-1	0	0	0	0	0	-2	10	17	8
90% Exceedance	1	30	0	0	0	0	0	0	-1	3	41	9
Full Simulation Period Average[a]	37	-72	-1	15	19	-12	-82	-80	-82	-128	-81	27
Wet Water Years (28%)	3	-10	20	0	0	0	0	6	1	7	32	8
Above Normal Years (14%)	-9	-40	-7	1	0	1	1	5	4	10	22	-4
Below Normal Years (18%)	9	-67	-19	16	0	-1	-2	40	14	12	-68	7
Dry Water Years (24%)	21	11	-54	-43	-8	-15	-5	13	40	37	31	69
Critical Water Years (16%)	207	-359	71	141	129	-55	-503	-578	-595	-887	-551	46

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

Table F.2.5-4-4a. Sacramento River at Emmaton Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,634	3,517	1,944	1,284	485	423	721	1,237	2,283	2,572	3,111	3,342
20% Exceedance	3,137	2,854	1,528	904	309	261	400	428	721	1,087	2,098	3,001
30% Exceedance	2,815	2,549	1,339	469	231	204	253	391	651	912	1,859	2,668
40% Exceedance	2,525	2,101	1,092	305	203	197	216	326	571	772	1,565	2,462
50% Exceedance	2,189	1,153	684	250	194	193	203	245	489	519	997	1,926
60% Exceedance	446	1,011	380	211	188	190	196	226	453	406	671	487
70% Exceedance	417	919	270	187	184	184	189	199	382	360	617	437
80% Exceedance	388	730	223	181	181	181	185	185	285	330	579	406
90% Exceedance	358	357	187	179	179	179	180	178	210	315	520	386
Full Simulation Period Average[a]	1,772	1,737	939	537	278	251	358	491	750	921	1,413	1,739
Wet Water Years (28%)	386	729	703	187	180	182	185	202	300	331	566	401
Above Normal Years (14%)	386	855	773	322	189	184	193	230	369	337	566	420
Below Normal Years (18%)	2,262	1,979	745	386	233	202	234	279	560	596	1,159	2,098
Dry Water Years (24%)	2,679	2,178	1,078	747	304	248	270	356	604	940	1,864	2,702
Critical Water Years (16%)	3,704	3,502	1,559	1,194	540	488	1,076	1,668	2,305	2,802	3,246	3,388

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

Table F.2.5-4-4b. Sacramento River at Emmaton Salinity, Alt2woTUCPAllVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,808	3,173	1,956	1,293	451	298	403	701	1,062	1,551	2,646	3,376
20% Exceedance	3,180	2,896	1,541	766	299	240	269	409	740	1,208	2,170	3,015
30% Exceedance	2,827	2,599	1,338	441	231	204	228	369	667	930	1,885	2,781
40% Exceedance	2,418	1,894	1,083	326	202	198	208	314	567	785	1,387	2,447
50% Exceedance	2,021	1,146	619	265	194	195	199	238	496	576	966	2,036
60% Exceedance	442	972	382	209	188	190	194	214	454	402	708	472
70% Exceedance	412	868	266	187	184	185	189	196	393	368	628	436
80% Exceedance	383	702	220	181	180	182	185	184	282	337	588	414
90% Exceedance	357	384	187	179	179	179	180	178	212	317	551	395
Full Simulation Period Average[a]	1,791	1,668	946	528	272	235	258	363	638	791	1,322	1,759
Wet Water Years (28%)	387	719	722	187	180	183	185	207	302	337	594	409
Above Normal Years (14%)	377	816	757	322	189	185	193	217	368	346	576	418
Below Normal Years (18%)	2,170	1,888	729	395	233	200	211	268	569	605	1,078	2,072
Dry Water Years (24%)	2,711	2,162	1,046	711	296	232	241	325	617	995	1,898	2,771
Critical Water Years (16%)	3,898	3,235	1,655	1,182	515	412	518	927	1,574	1,879	2,662	3,428

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

Table F.2.5-4-4c. Sacramento River at Emmaton Salinity, Alt2woTUCPAllVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	174	-343	12	10	-34	-126	-319	-536	-1,220	-1,021	-465	34
20% Exceedance	43	43	14	-138	-10	-21	-131	-19	18	120	72	14
30% Exceedance	12	50	-2	-27	0	0	-25	-23	17	18	27	113
40% Exceedance	-107	-207	-9	21	-1	1	-7	-12	-5	13	-178	-15
50% Exceedance	-167	-8	-64	15	-1	1	-5	-7	7	56	-31	109
60% Exceedance	-3	-40	2	-2	0	0	-2	-12	1	-4	38	-16
70% Exceedance	-5	-51	-4	0	0	1	0	-3	10	8	11	-1
80% Exceedance	-5	-28	-3	0	0	0	0	-1	-3	8	9	8
90% Exceedance	-1	27	-1	0	0	0	0	0	2	3	31	9
Full Simulation Period Average[a]	19	-69	7	-9	-6	-16	-100	-128	-112	-130	-91	20
Wet Water Years (28%)	1	-10	19	0	0	0	0	5	2	6	28	8
Above Normal Years (14%)	-10	-39	-16	0	0	1	-1	-13	-1	8	10	-2
Below Normal Years (18%)	-92	-91	-16	9	-1	-2	-23	-10	9	9	-81	-27
Dry Water Years (24%)	32	-16	-31	-36	-8	-17	-29	-31	13	55	34	69
Critical Water Years (16%)	194	-267	96	-12	-25	-77	-558	-741	-730	-923	-584	41

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

Table F.2.5-4-5a. Sacramento River at Emmaton Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,634	3,517	1,944	1,284	485	423	721	1,237	2,283	2,572	3,111	3,342
20% Exceedance	3,137	2,854	1,528	904	309	261	400	428	721	1,087	2,098	3,001
30% Exceedance	2,815	2,549	1,339	469	231	204	253	391	651	912	1,859	2,668
40% Exceedance	2,525	2,101	1,092	305	203	197	216	326	571	772	1,565	2,462
50% Exceedance	2,189	1,153	684	250	194	193	203	245	489	519	997	1,926
60% Exceedance	446	1,011	380	211	188	190	196	226	453	406	671	487
70% Exceedance	417	919	270	187	184	184	189	199	382	360	617	437
80% Exceedance	388	730	223	181	181	181	185	185	285	330	579	406
90% Exceedance	358	357	187	179	179	179	180	178	210	315	520	386
Full Simulation Period Average[a]	1,772	1,737	939	537	278	251	358	491	750	921	1,413	1,739
Wet Water Years (28%)	386	729	703	187	180	182	185	202	300	331	566	401
Above Normal Years (14%)	386	855	773	322	189	184	193	230	369	337	566	420
Below Normal Years (18%)	2,262	1,979	745	386	233	202	234	279	560	596	1,159	2,098
Dry Water Years (24%)	2,679	2,178	1,078	747	304	248	270	356	604	940	1,864	2,702
Critical Water Years (16%)	3,704	3,502	1,559	1,194	540	488	1,076	1,668	2,305	2,802	3,246	3,388

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

Table F.2.5-4-5b. Sacramento River at Emmaton Salinity, Alt2wTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,579	3,292	1,944	1,269	444	428	528	1,178	2,415	2,660	3,102	3,379
20% Exceedance	3,156	2,892	1,604	782	305	273	409	461	785	1,245	2,226	3,010
30% Exceedance	2,855	2,568	1,342	457	222	204	256	423	668	896	1,972	2,769
40% Exceedance	2,522	2,141	1,076	314	203	197	222	377	591	758	1,398	2,350
50% Exceedance	2,166	1,134	634	243	193	193	204	272	480	540	1,028	2,042
60% Exceedance	446	1,008	381	206	188	190	194	230	449	410	707	478
70% Exceedance	411	915	271	186	184	184	188	199	406	380	643	440
80% Exceedance	378	700	216	181	180	181	184	184	283	344	602	418
90% Exceedance	353	384	187	179	179	179	179	178	208	320	565	395
Full Simulation Period Average[a]	1,783	1,709	917	522	290	254	354	498	743	924	1,432	1,749
Wet Water Years (28%)	387	729	704	186	180	182	185	208	298	341	600	410
Above Normal Years (14%)	374	829	774	322	189	184	193	242	365	353	596	423
Below Normal Years (18%)	2,298	1,933	750	393	232	201	239	314	567	589	1,093	2,055
Dry Water Years (24%)	2,702	2,204	1,075	695	290	247	275	374	636	990	1,949	2,764
Critical Water Years (16%)	3,707	3,356	1,403	1,170	633	512	1,039	1,624	2,213	2,721	3,222	3,387

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

Table F.2.5-4-5c. Sacramento River at Emmaton Salinity, Alt2wTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-55	-224	0	-15	-40	4	-194	-59	133	88	-9	38
20% Exceedance	19	39	77	-122	-3	12	9	34	63	157	128	9
30% Exceedance	39	19	3	-12	-8	0	4	32	17	-16	114	101
40% Exceedance	-3	40	-17	9	0	0	6	51	20	-14	-167	-112
50% Exceedance	-22	-19	-50	-7	-1	0	0	27	-9	20	31	115
60% Exceedance	1	-3	1	-4	0	0	-2	4	-3	4	36	-9
70% Exceedance	-6	-3	0	0	0	0	-1	0	24	20	26	3
80% Exceedance	-10	-30	-7	0	0	0	-1	-1	-2	14	22	12
90% Exceedance	-5	27	0	0	0	0	0	0	-2	6	45	9
Full Simulation Period Average[a]	11	-28	-23	-15	11	3	-4	7	-7	3	19	10
Wet Water Years (28%)	2	0	1	-1	0	0	0	6	-2	10	34	10
Above Normal Years (14%)	-13	-26	1	0	0	0	-1	12	-4	16	30	3
Below Normal Years (18%)	36	-46	5	7	-1	0	5	35	7	-6	-65	-43
Dry Water Years (24%)	23	25	-3	-53	-15	-2	5	18	33	50	85	62
Critical Water Years (16%)	4	-145	-156	-24	94	24	-37	-44	-92	-81	-23	-1

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

Table F.2.5-4-6a. Sacramento River at Emmaton Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,634	3,517	1,944	1,284	485	423	721	1,237	2,283	2,572	3,111	3,342
20% Exceedance	3,137	2,854	1,528	904	309	261	400	428	721	1,087	2,098	3,001
30% Exceedance	2,815	2,549	1,339	469	231	204	253	391	651	912	1,859	2,668
40% Exceedance	2,525	2,101	1,092	305	203	197	216	326	571	772	1,565	2,462
50% Exceedance	2,189	1,153	684	250	194	193	203	245	489	519	997	1,926
60% Exceedance	446	1,011	380	211	188	190	196	226	453	406	671	487
70% Exceedance	417	919	270	187	184	184	189	199	382	360	617	437
80% Exceedance	388	730	223	181	181	181	185	185	285	330	579	406
90% Exceedance	358	357	187	179	179	179	180	178	210	315	520	386
Full Simulation Period Average[a]	1,772	1,737	939	537	278	251	358	491	750	921	1,413	1,739
Wet Water Years (28%)	386	729	703	187	180	182	185	202	300	331	566	401
Above Normal Years (14%)	386	855	773	322	189	184	193	230	369	337	566	420
Below Normal Years (18%)	2,262	1,979	745	386	233	202	234	279	560	596	1,159	2,098
Dry Water Years (24%)	2,679	2,178	1,078	747	304	248	270	356	604	940	1,864	2,702
Critical Water Years (16%)	3,704	3,502	1,559	1,194	540	488	1,076	1,668	2,305	2,802	3,246	3,388

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

Table F.2.5-4-6b. Sacramento River at Emmaton Salinity, Alternative 3, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,516	3,395	1,957	775	294	275	382	653	1,193	1,313	1,766	2,782
20% Exceedance	2,194	2,695	1,142	414	237	221	251	401	730	1,018	897	1,444
30% Exceedance	2,056	2,398	588	320	204	202	226	296	664	852	823	1,257
40% Exceedance	1,609	2,050	444	222	198	197	209	249	583	786	777	1,129
50% Exceedance	1,428	764	340	201	193	193	199	219	534	699	723	1,035
60% Exceedance	448	459	262	192	187	189	192	202	487	665	669	472
70% Exceedance	393	425	214	185	184	184	189	192	431	549	627	408
80% Exceedance	370	399	193	181	181	182	184	185	347	458	563	391
90% Exceedance	351	332	182	179	179	179	180	176	233	377	526	371
Full Simulation Period Average[a]	1,439	1,499	688	340	231	223	281	379	607	800	885	1,118
Wet Water Years (28%)	371	392	334	183	181	184	186	189	347	395	533	389
Above Normal Years (14%)	367	396	303	201	185	185	194	203	461	657	652	385
Below Normal Years (18%)	1,392	1,764	726	271	205	196	209	263	639	910	829	1,074
Dry Water Years (24%)	2,022	2,078	1,038	378	230	211	226	306	525	744	761	1,279
Critical Water Years (16%)	3,628	3,426	1,125	754	388	376	690	1,104	1,277	1,593	1,954	2,845

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

Table F.2.5-4-6c. Sacramento River at Emmaton Salinity, Alternative 3 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-118	-122	13	-508	-191	-148	-340	-584	-1,089	-1,260	-1,345	-560
20% Exceedance	-942	-158	-386	-491	-72	-40	-149	-27	8	-69	-1,201	-1,557
30% Exceedance	-759	-151	-751	-148	-26	-2	-27	-95	14	-61	-1,036	-1,411
40% Exceedance	-916	-50	-648	-82	-6	-1	-7	-77	12	14	-787	-1,333
50% Exceedance	-761	-390	-344	-49	-1	0	-4	-26	45	180	-274	-891
60% Exceedance	3	-552	-118	-19	-1	0	-4	-23	34	260	-2	-15
70% Exceedance	-24	-493	-56	-2	0	0	0	-7	49	189	10	-30
80% Exceedance	-18	-331	-30	0	0	1	-1	0	61	128	-17	-15
90% Exceedance	-7	-25	-5	0	0	0	0	-2	23	63	6	-14
Full Simulation Period Average[a]	-333	-237	-252	-198	-48	-28	-77	-113	-143	-121	-528	-621
Wet Water Years (28%)	-14	-337	-368	-4	0	1	1	-13	47	64	-33	-12
Above Normal Years (14%)	-19	-459	-470	-121	-4	1	1	-27	91	320	85	-35
Below Normal Years (18%)	-870	-215	-19	-114	-28	-6	-25	-16	79	314	-329	-1,025
Dry Water Years (24%)	-657	-100	-40	-369	-74	-37	-44	-50	-79	-196	-1,103	-1,423
Critical Water Years (16%)	-75	-76	-434	-440	-152	-113	-386	-564	-1,028	-1,209	-1,292	-543

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

Table F.2.5-4-7a. Sacramento River at Emmaton Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,634	3,517	1,944	1,284	485	423	721	1,237	2,283	2,572	3,111	3,342
20% Exceedance	3,137	2,854	1,528	904	309	261	400	428	721	1,087	2,098	3,001
30% Exceedance	2,815	2,549	1,339	469	231	204	253	391	651	912	1,859	2,668
40% Exceedance	2,525	2,101	1,092	305	203	197	216	326	571	772	1,565	2,462
50% Exceedance	2,189	1,153	684	250	194	193	203	245	489	519	997	1,926
60% Exceedance	446	1,011	380	211	188	190	196	226	453	406	671	487
70% Exceedance	417	919	270	187	184	184	189	199	382	360	617	437
80% Exceedance	388	730	223	181	181	181	185	185	285	330	579	406
90% Exceedance	358	357	187	179	179	179	180	178	210	315	520	386
Full Simulation Period Average[a]	1,772	1,737	939	537	278	251	358	491	750	921	1,413	1,739
Wet Water Years (28%)	386	729	703	187	180	182	185	202	300	331	566	401
Above Normal Years (14%)	386	855	773	322	189	184	193	230	369	337	566	420
Below Normal Years (18%)	2,262	1,979	745	386	233	202	234	279	560	596	1,159	2,098
Dry Water Years (24%)	2,679	2,178	1,078	747	304	248	270	356	604	940	1,864	2,702
Critical Water Years (16%)	3,704	3,502	1,559	1,194	540	488	1,076	1,668	2,305	2,802	3,246	3,388

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

Table F.2.5-4-7b. Sacramento River at Emmaton Salinity, Alternative 4, Monthly Electrical Conductivity (UMHOS/CM)

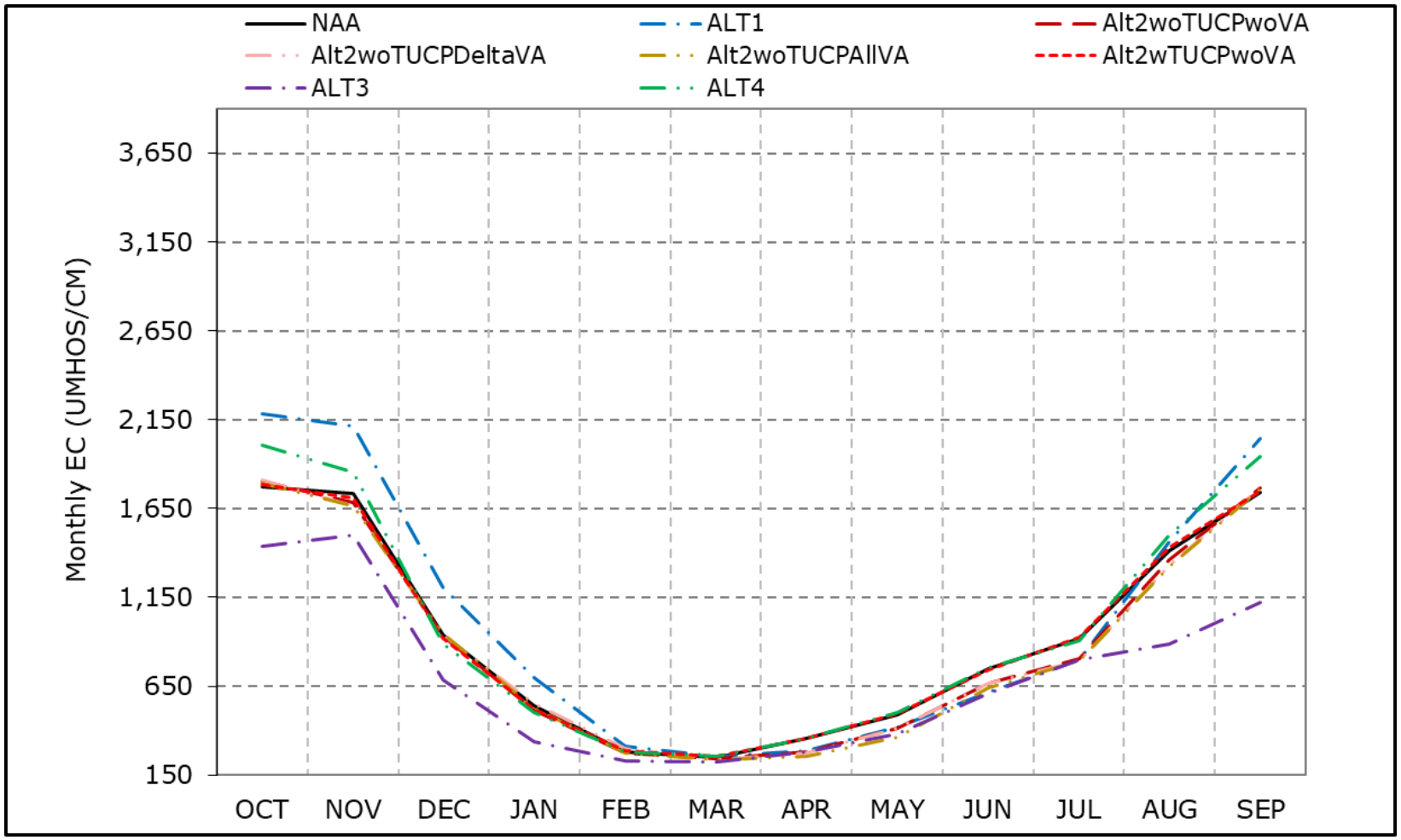
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,562	3,232	1,936	1,246	467	444	543	1,188	2,313	2,639	2,932	3,347
20% Exceedance	3,179	2,893	1,577	883	312	274	410	462	772	1,168	2,154	3,032
30% Exceedance	2,873	2,576	1,212	442	225	203	254	424	670	866	1,904	2,689
40% Exceedance	2,567	2,066	927	289	201	196	218	378	601	720	1,428	2,402
50% Exceedance	2,068	1,639	591	235	193	193	203	274	482	515	976	2,121
60% Exceedance	1,102	1,453	388	203	188	190	194	233	447	411	901	1,104
70% Exceedance	984	1,235	265	185	183	184	187	198	406	381	861	1,003
80% Exceedance	914	970	217	181	180	181	184	184	283	341	831	912
90% Exceedance	814	419	188	179	179	179	180	178	207	320	776	809
Full Simulation Period Average[a]	2,008	1,855	888	501	282	257	356	502	754	909	1,501	1,945
Wet Water Years (28%)	895	1,072	606	185	180	182	185	208	297	339	804	861
Above Normal Years (14%)	912	1,189	714	254	187	184	192	242	366	350	838	941
Below Normal Years (18%)	2,270	1,912	750	360	231	201	235	317	572	561	1,061	2,079
Dry Water Years (24%)	2,739	2,194	1,072	724	315	254	272	374	638	948	1,894	2,725
Critical Water Years (16%)	3,695	3,369	1,459	1,092	549	516	1,060	1,646	2,272	2,729	3,208	3,397

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

Table F.2.5-4-7c. Sacramento River at Emmaton Salinity, Alternative 4 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

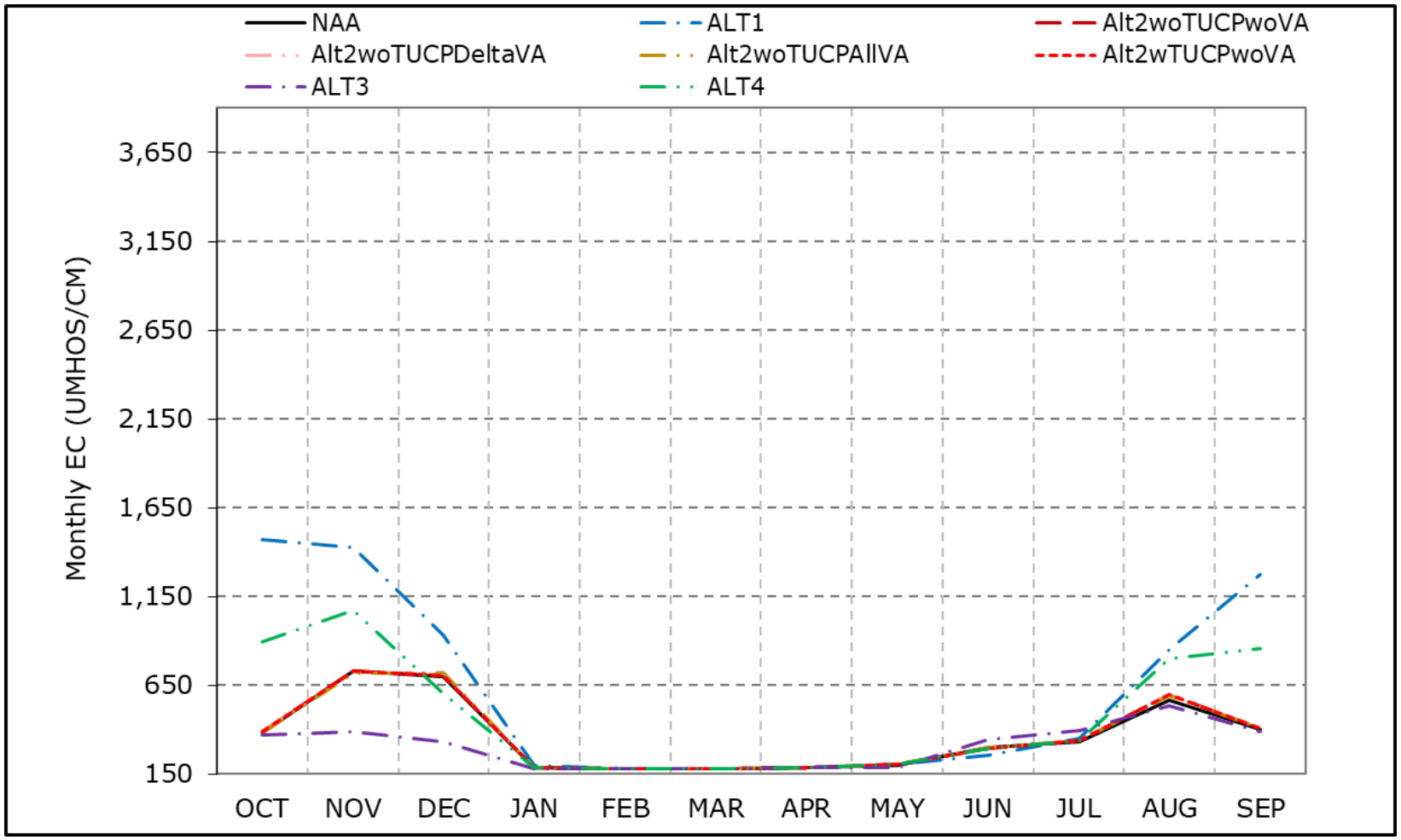
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-72	-285	-8	-37	-18	21	-178	-49	30	66	-179	5
20% Exceedance	42	39	49	-21	3	14	10	35	50	81	56	31
30% Exceedance	58	27	-127	-27	-6	-1	2	33	19	-47	46	21
40% Exceedance	42	-35	-165	-15	-2	-1	2	52	30	-52	-136	-60
50% Exceedance	-121	485	-92	-15	-1	0	0	29	-7	-4	-22	194
60% Exceedance	656	442	8	-8	0	0	-2	8	-5	5	230	617
70% Exceedance	567	316	-5	-1	0	0	-1	-1	23	21	244	566
80% Exceedance	526	240	-7	0	0	0	-1	-1	-2	11	252	506
90% Exceedance	456	62	1	0	0	0	0	0	-2	5	256	423
Full Simulation Period Average[a]	236	118	-51	-36	3	6	-2	11	4	-12	88	205
Wet Water Years (28%)	509	344	-97	-1	0	0	0	6	-3	8	238	460
Above Normal Years (14%)	526	334	-59	-68	-2	0	-1	12	-4	12	272	521
Below Normal Years (18%)	8	-68	5	-26	-3	-1	1	38	12	-34	-98	-19
Dry Water Years (24%)	59	16	-6	-23	11	6	2	17	34	8	30	22
Critical Water Years (16%)	-8	-133	-100	-101	9	28	-16	-23	-32	-73	-38	10

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



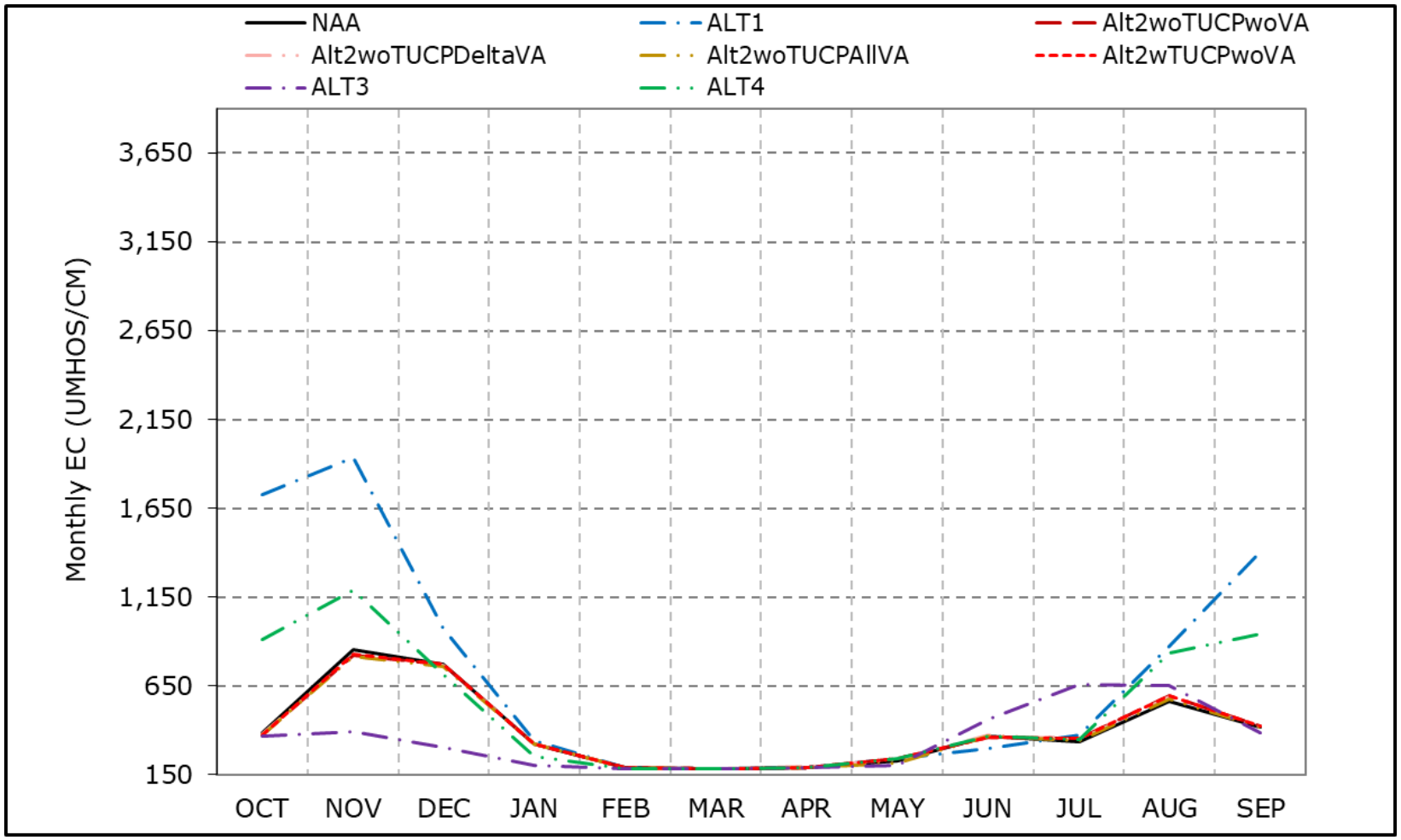
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-4-1. Sacramento River at Emmaton Salinity, Long-Term Average Electrical Conductivity



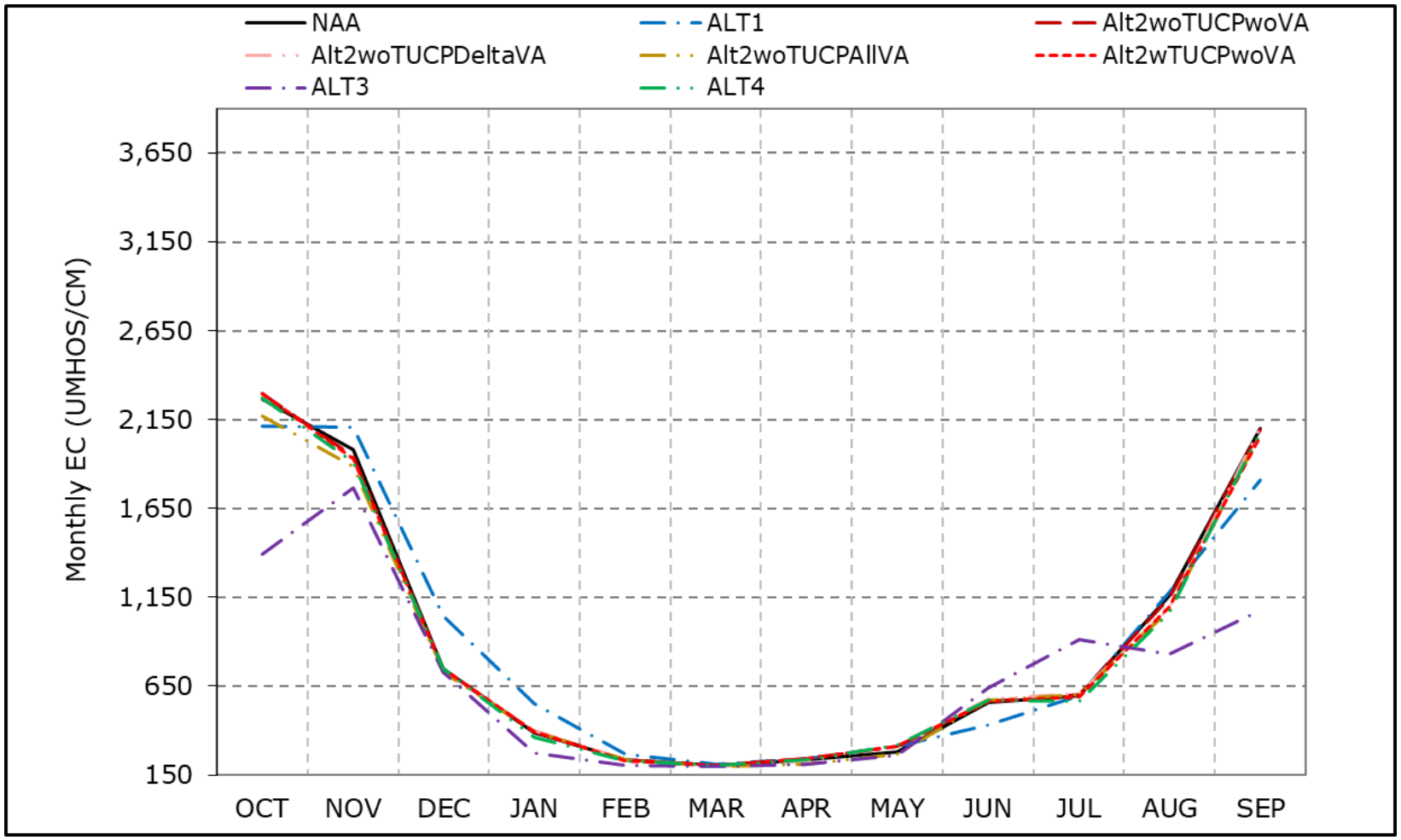
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-4-2. Sacramento River at Emmaton Salinity, Wet Year Average Electrical Conductivity



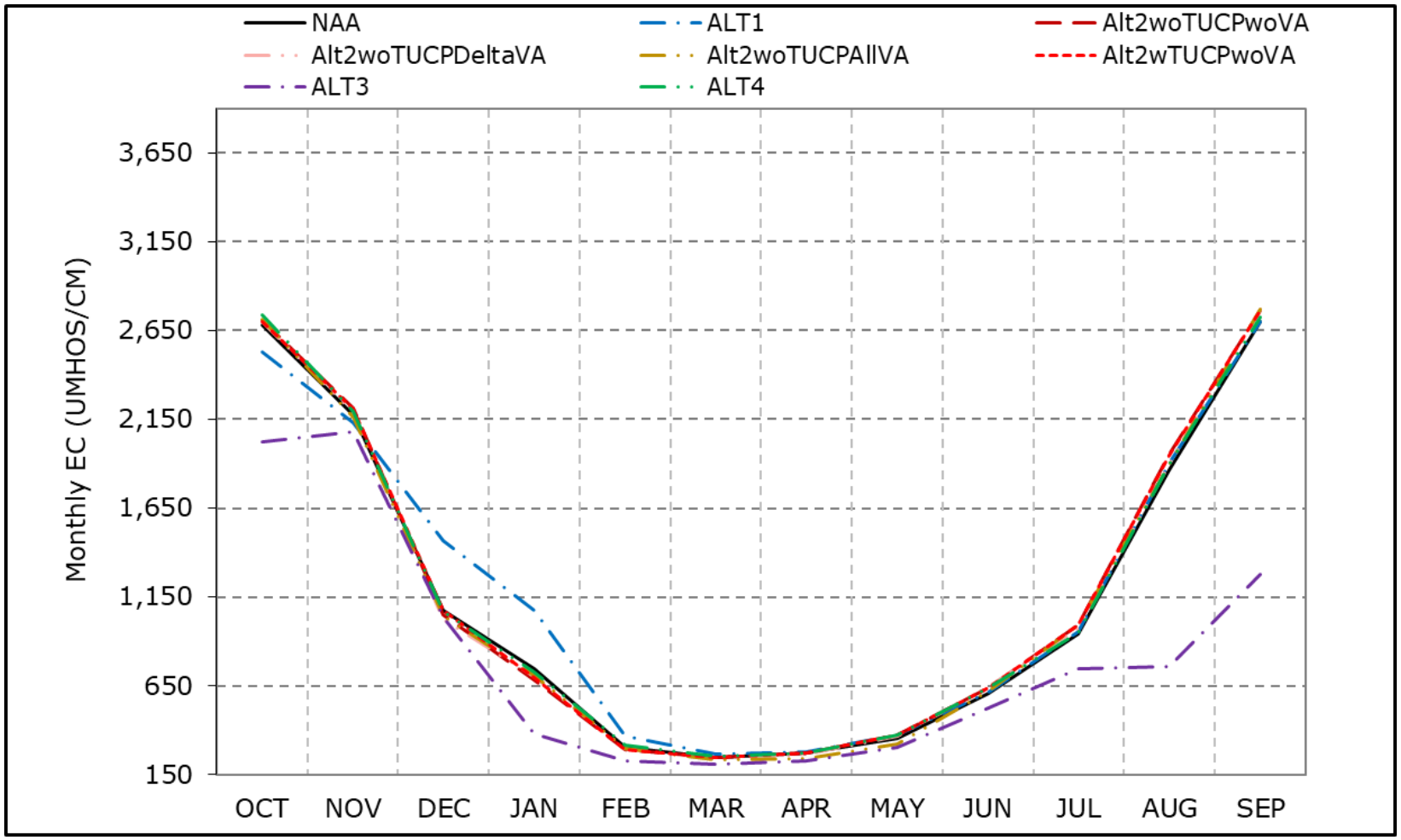
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-4-3. Sacramento River at Emmaton Salinity, Above Normal Year Average Electrical Conductivity



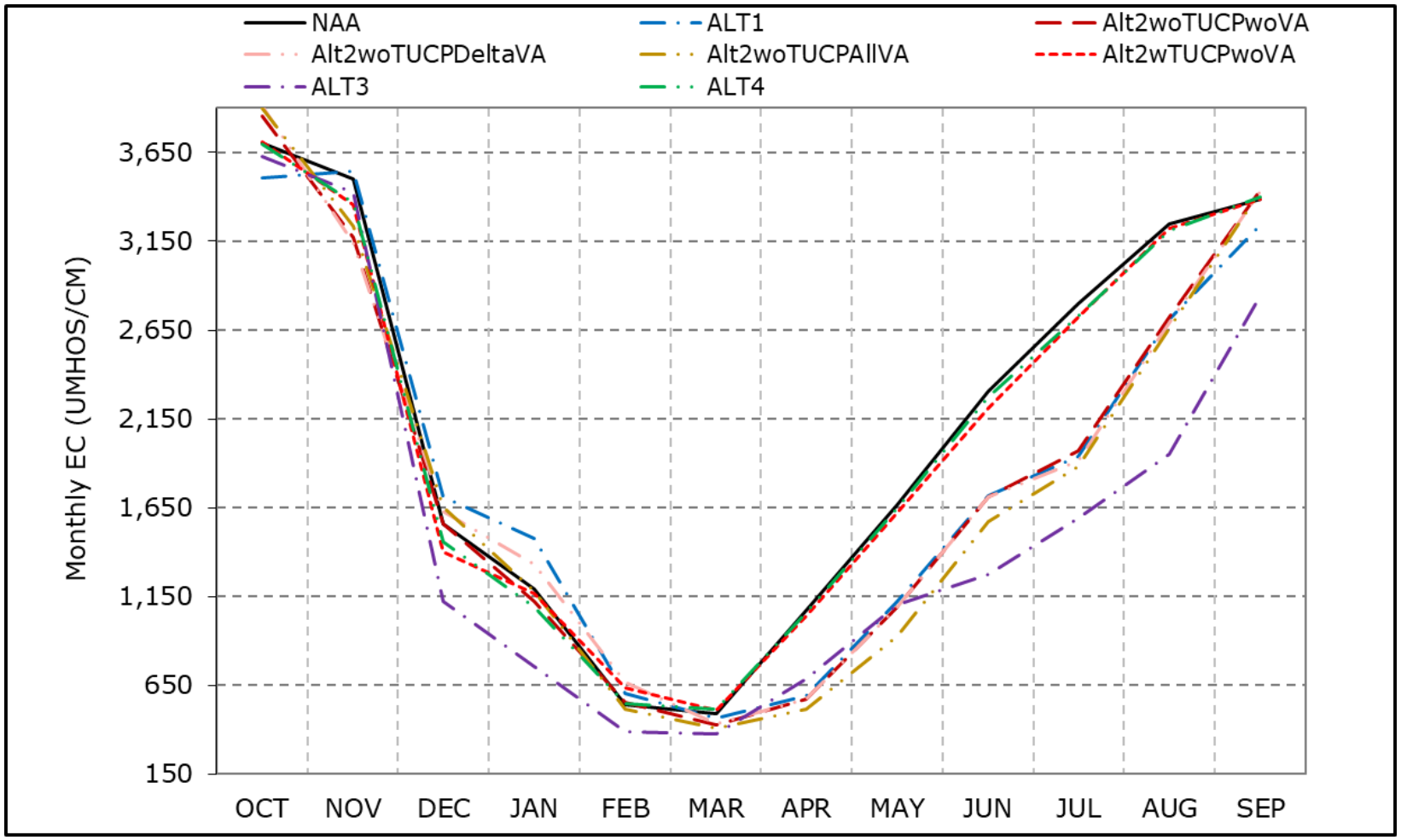
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-4-4. Sacramento River at Emmaton Salinity, Below Normal Year Average Electrical Conductivity



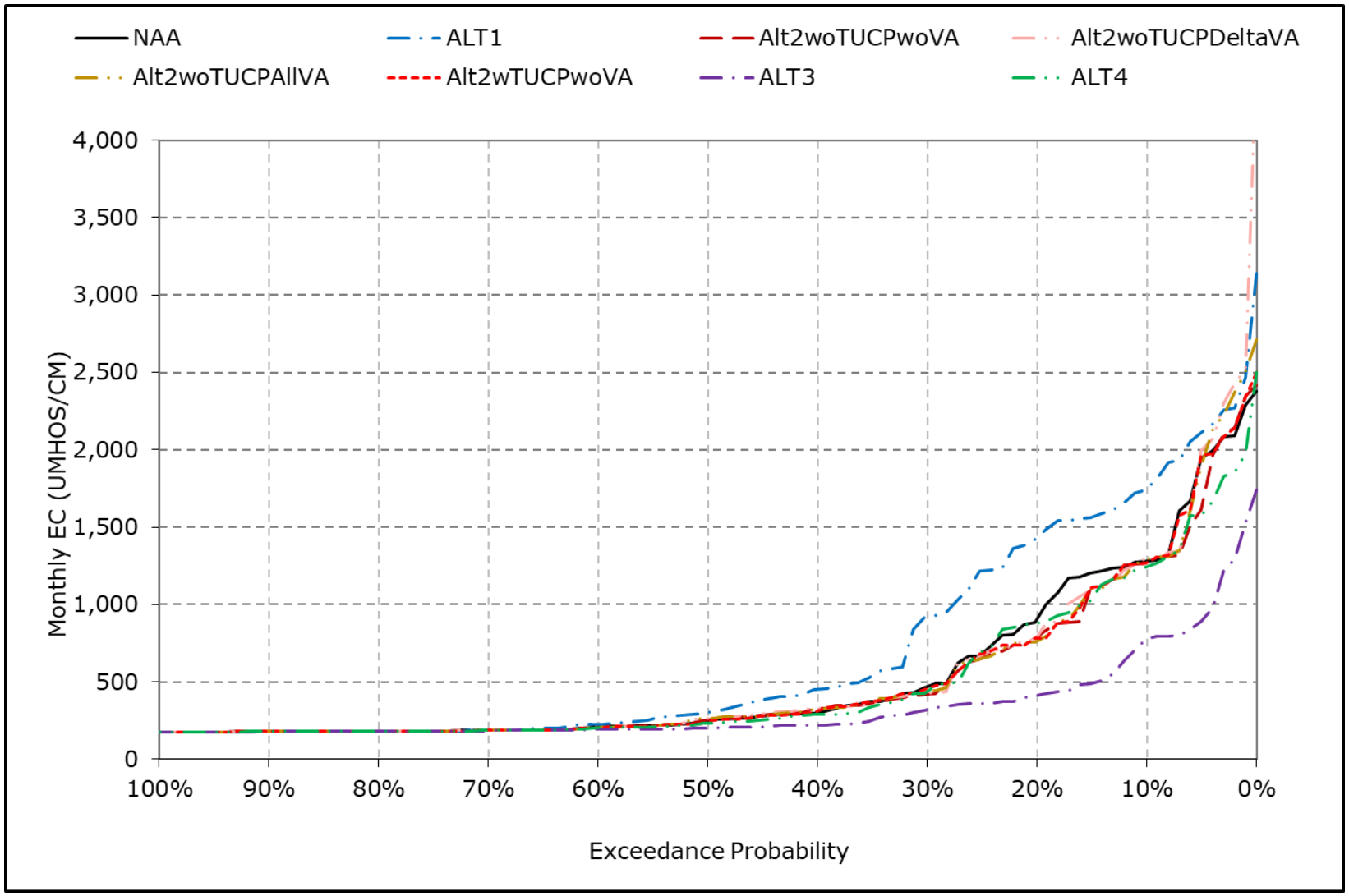
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-4-5. Sacramento River at Emmaton Salinity, Dry Year Average Electrical Conductivity



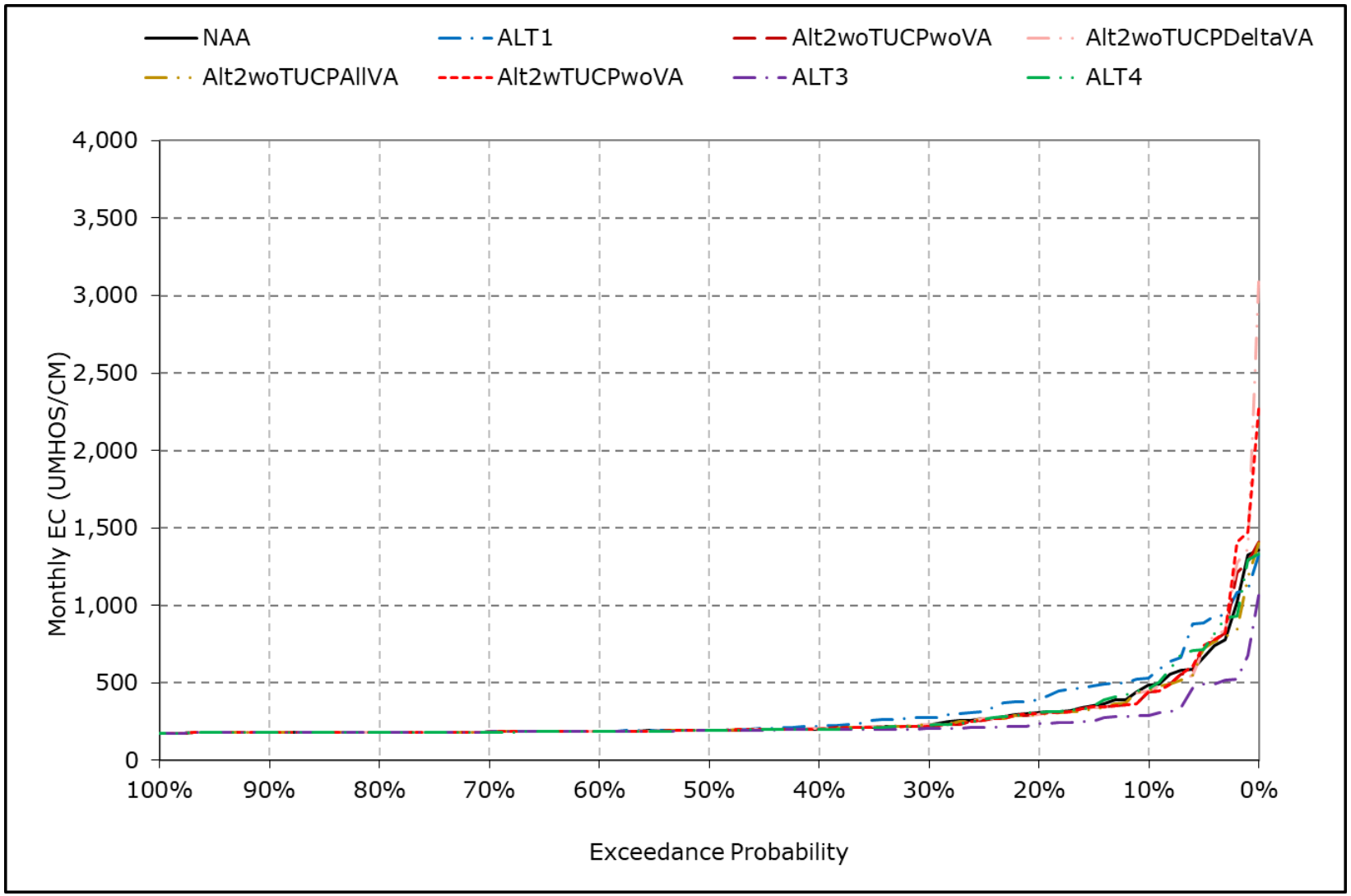
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-4-6. Sacramento River at Emmaton Salinity, Critical Year Average Electrical Conductivity



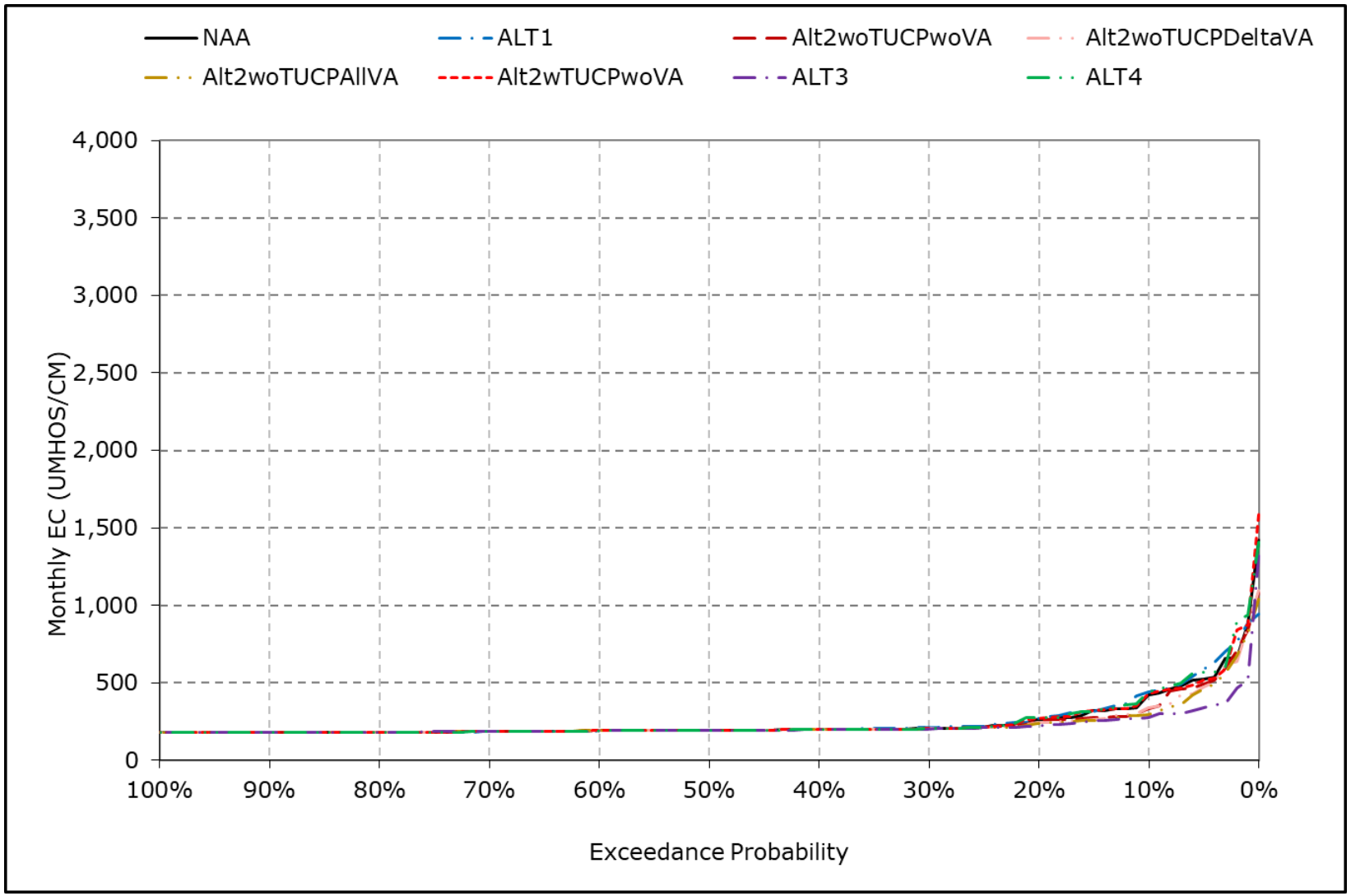
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-4-7. Sacramento River at Emmaton Salinity, January Electrical Conductivity



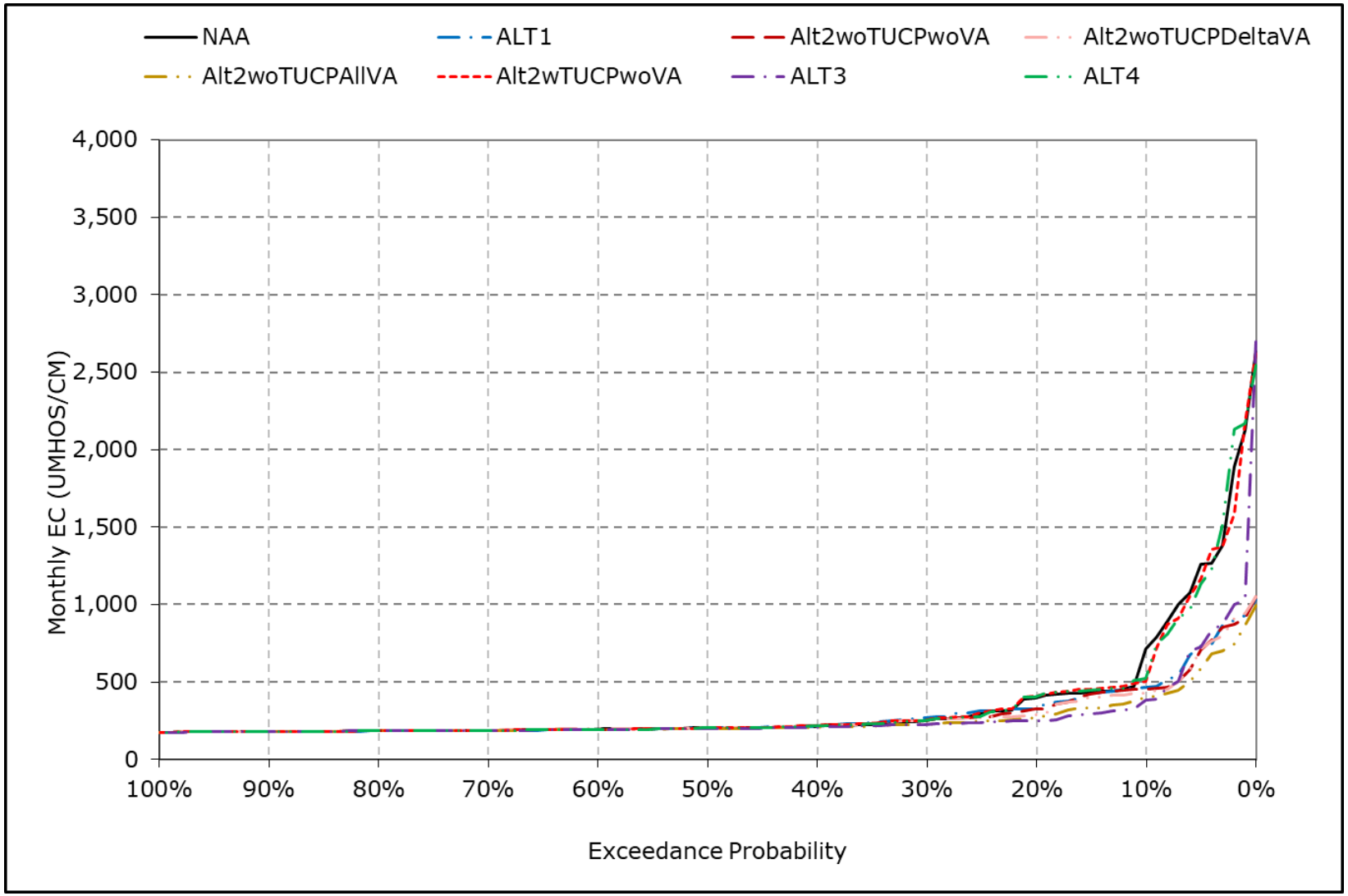
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-4-8. Sacramento River at Emmaton Salinity, February Electrical Conductivity



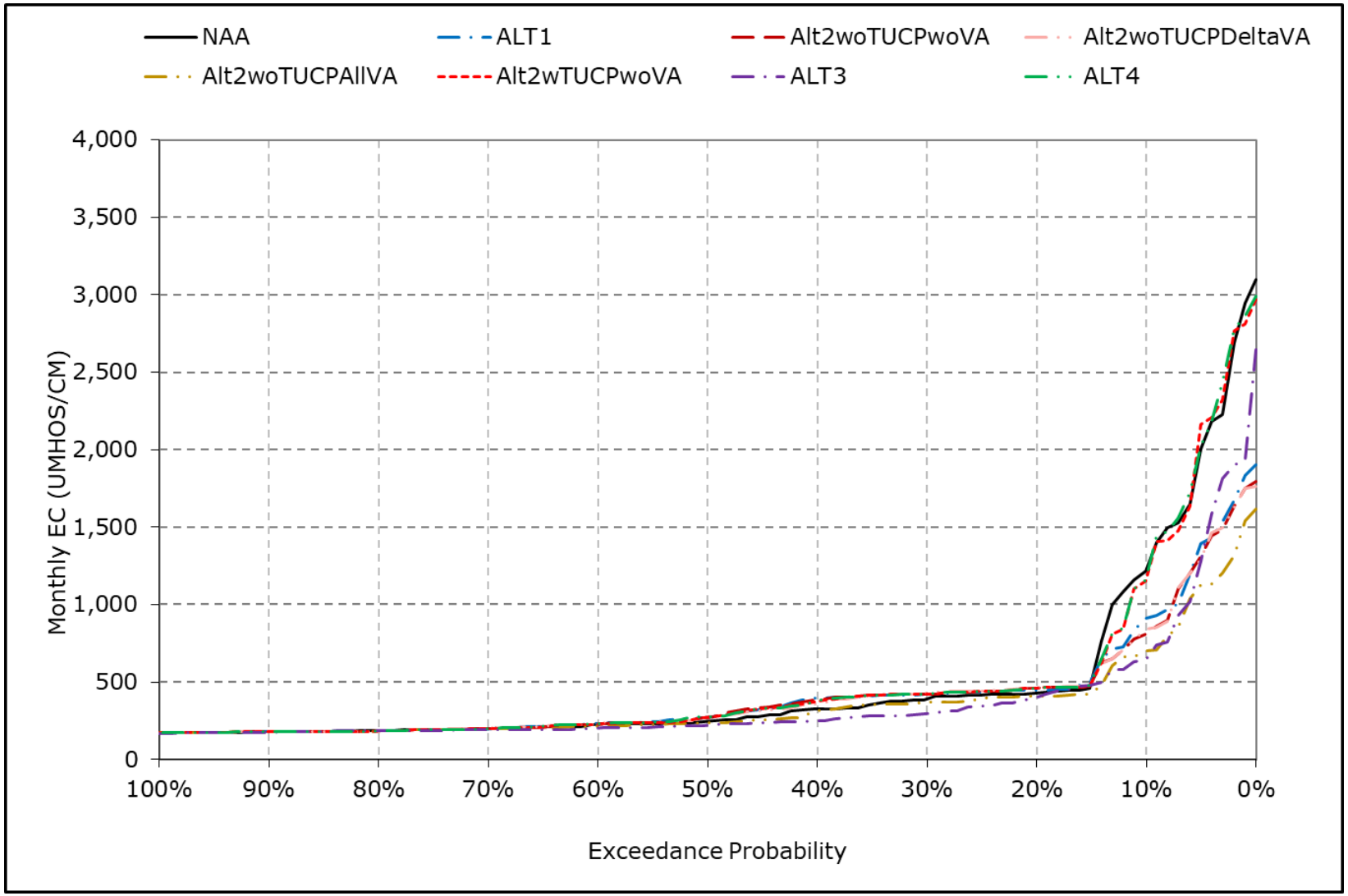
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-4-9. Sacramento River at Emmaton Salinity, March Electrical Conductivity



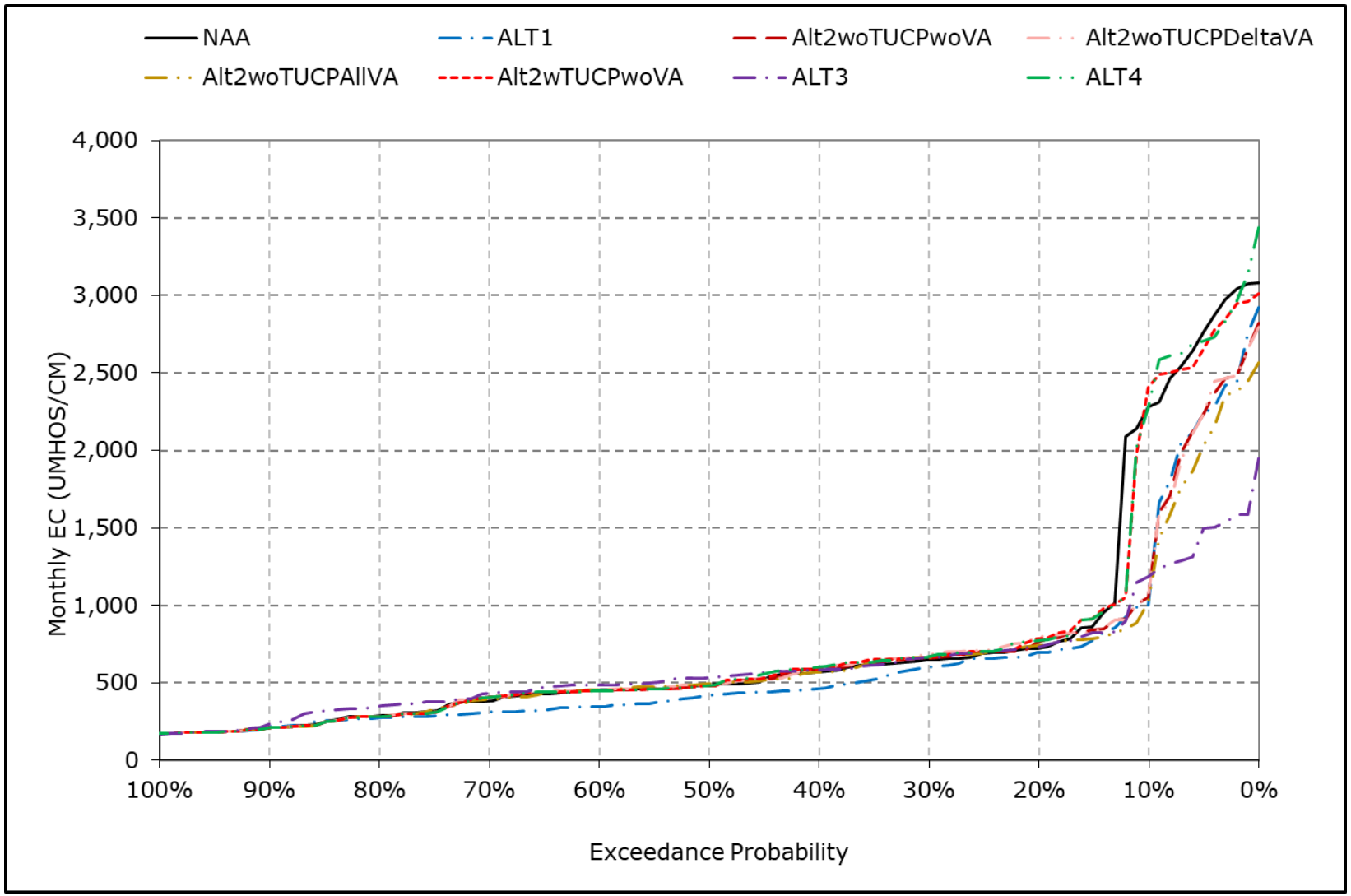
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-4-10. Sacramento River at Emmaton Salinity, April Electrical Conductivity



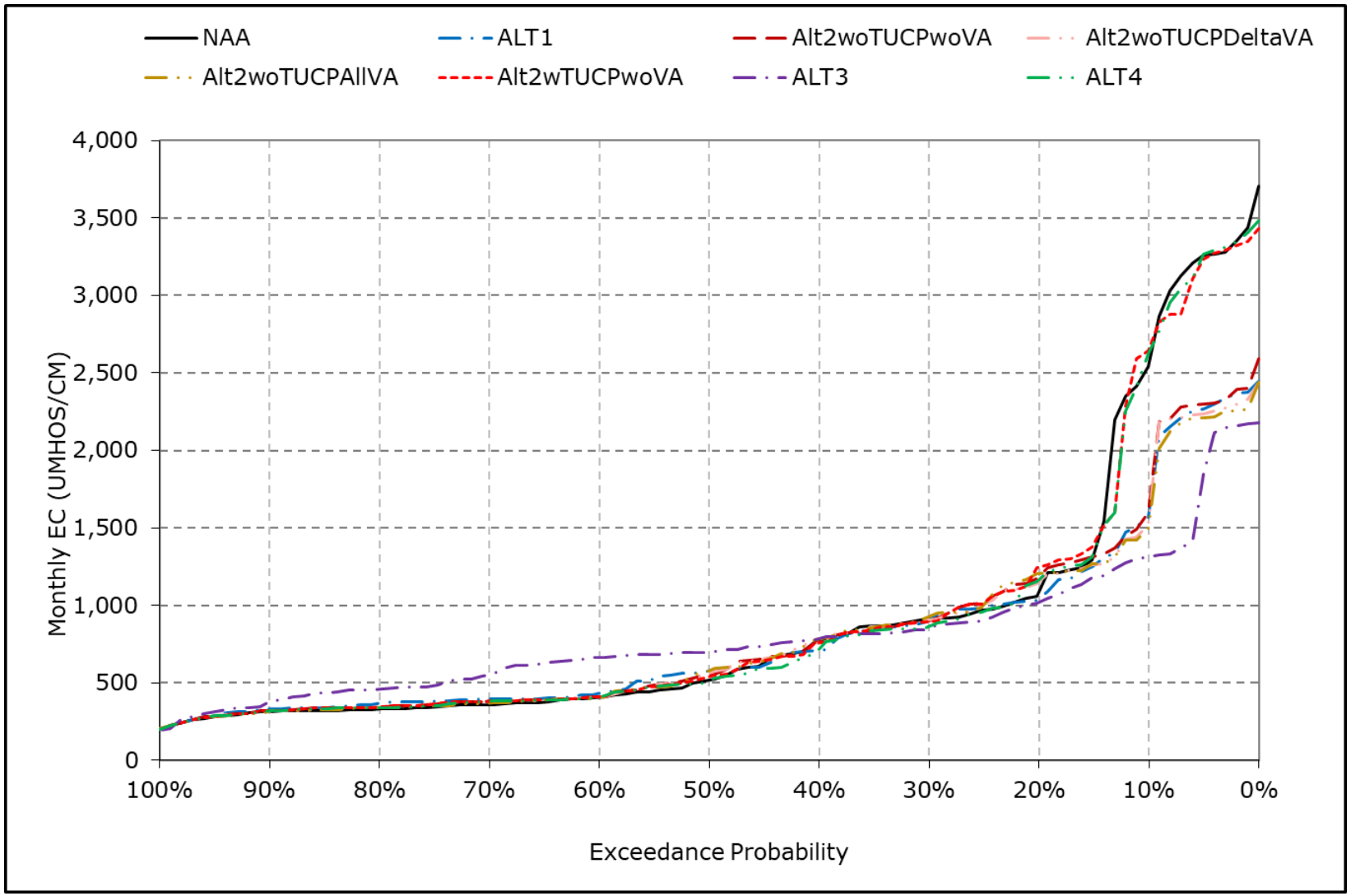
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-4-11. Sacramento River at Emmaton Salinity, May Electrical Conductivity



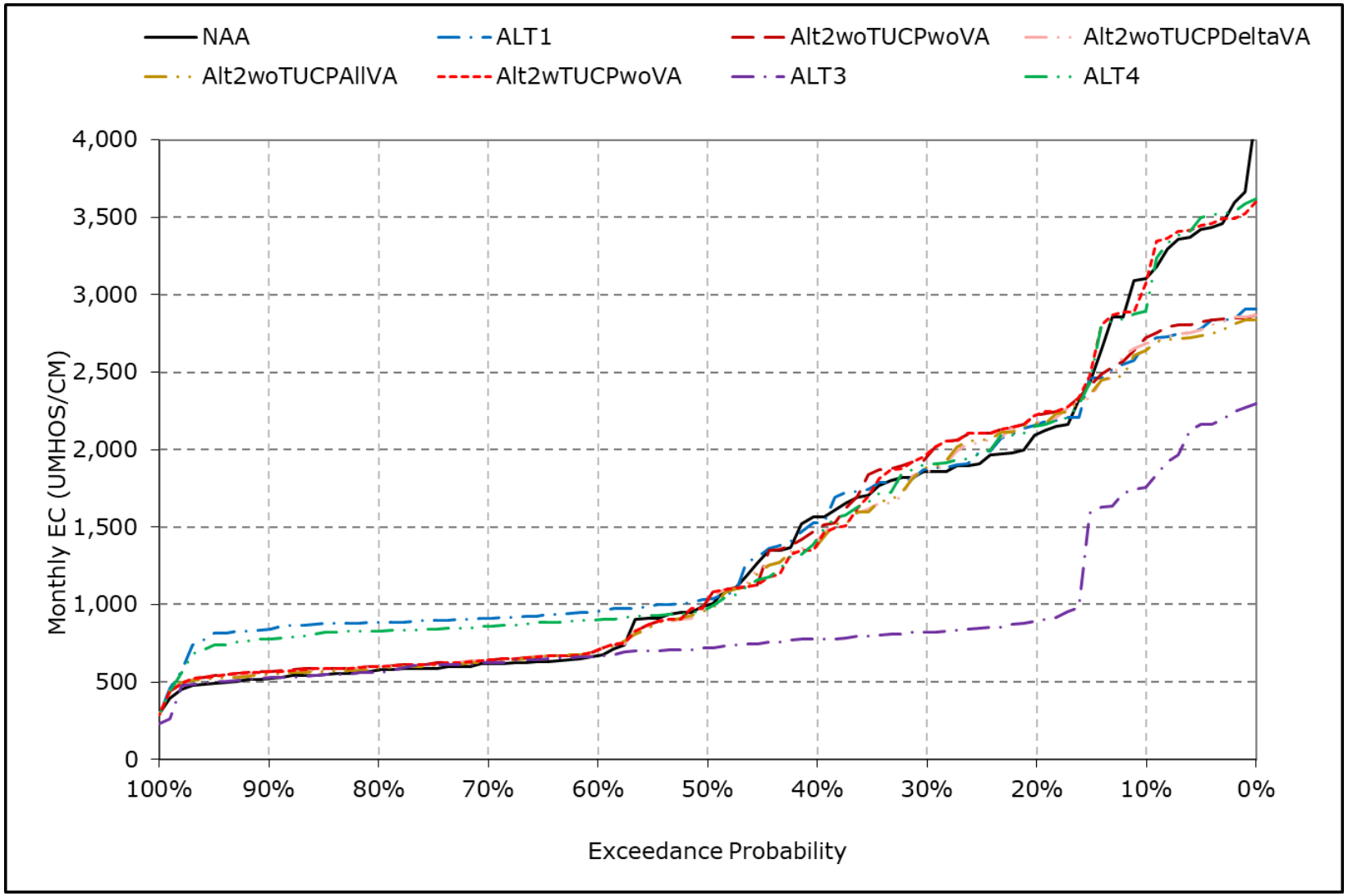
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-4-12. Sacramento River at Emmaton Salinity, June Electrical Conductivity



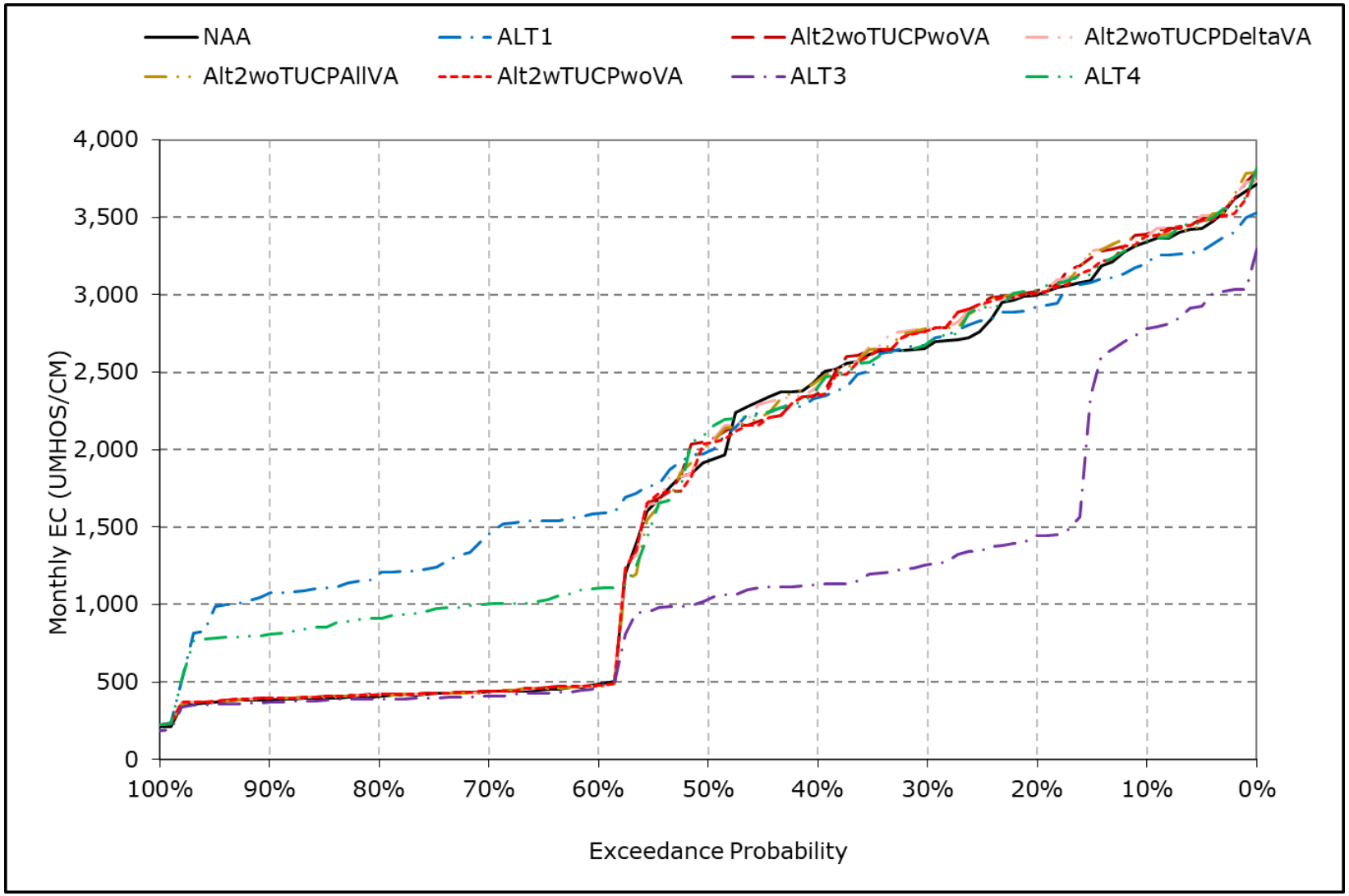
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-4-13. Sacramento River at Emmaton Salinity, July Electrical Conductivity



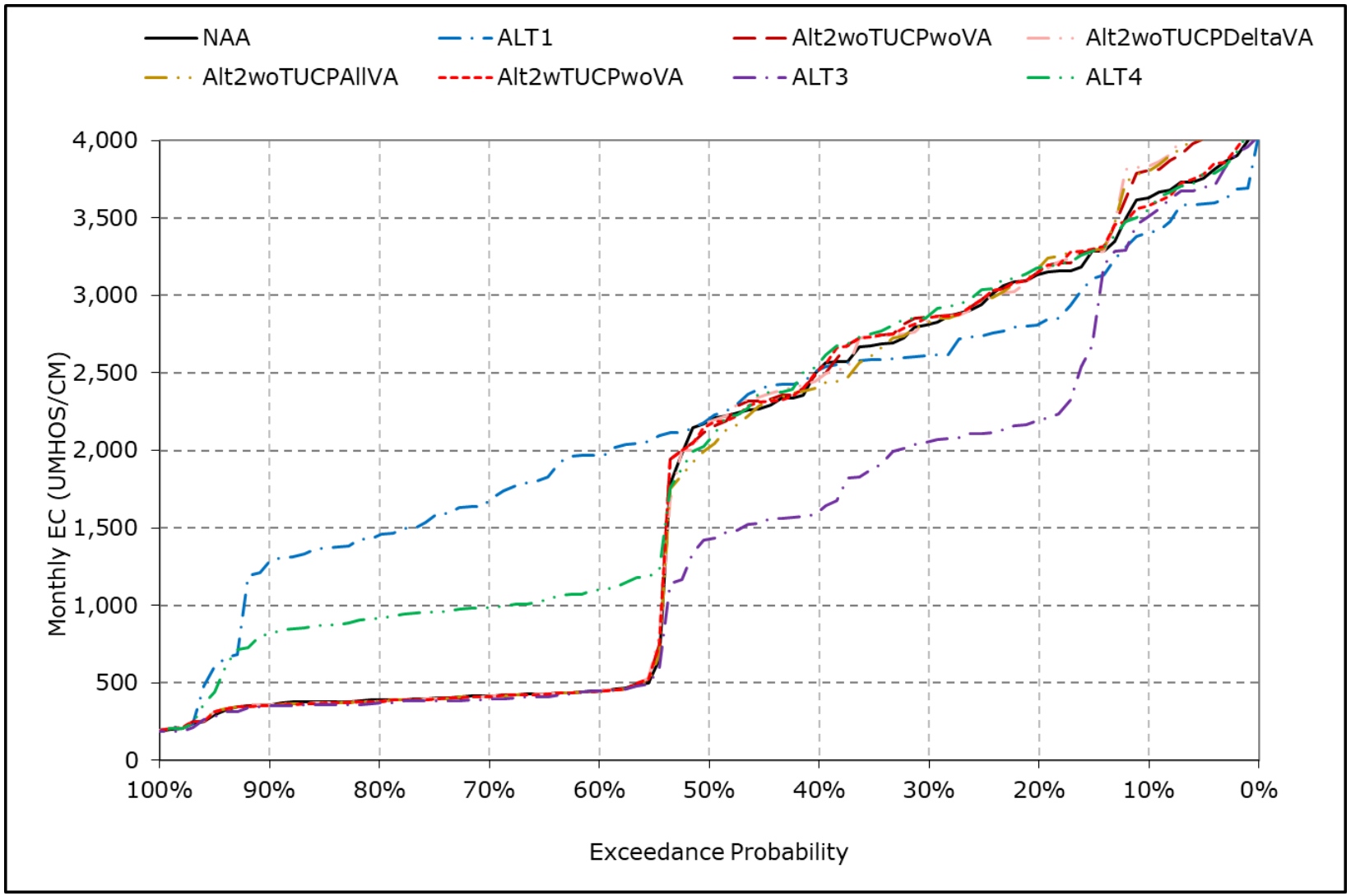
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-4-14. Sacramento River at Emmaton Salinity, August Electrical Conductivity



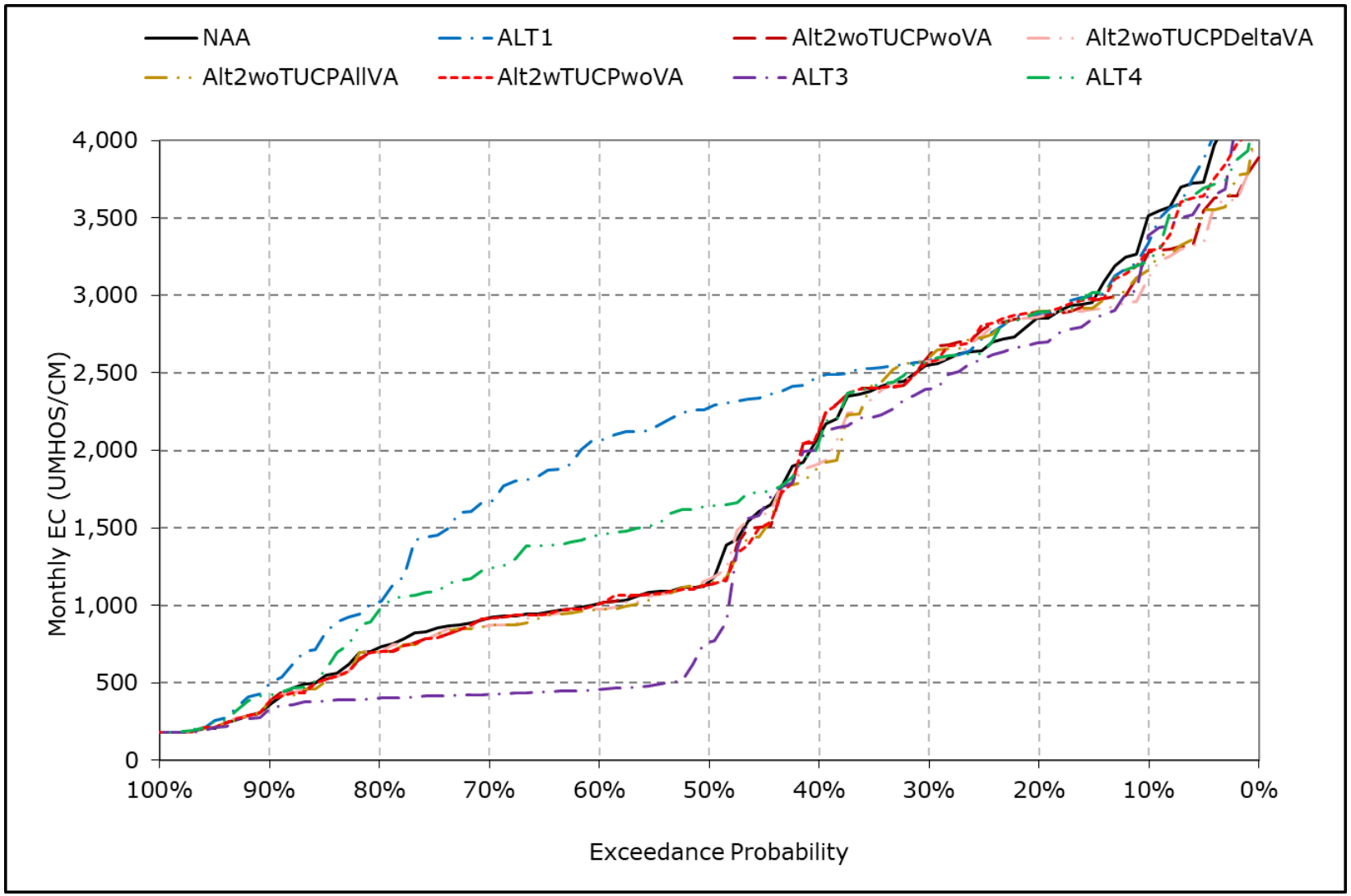
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-4-15. Sacramento River at Emmaton Salinity, September Electrical Conductivity



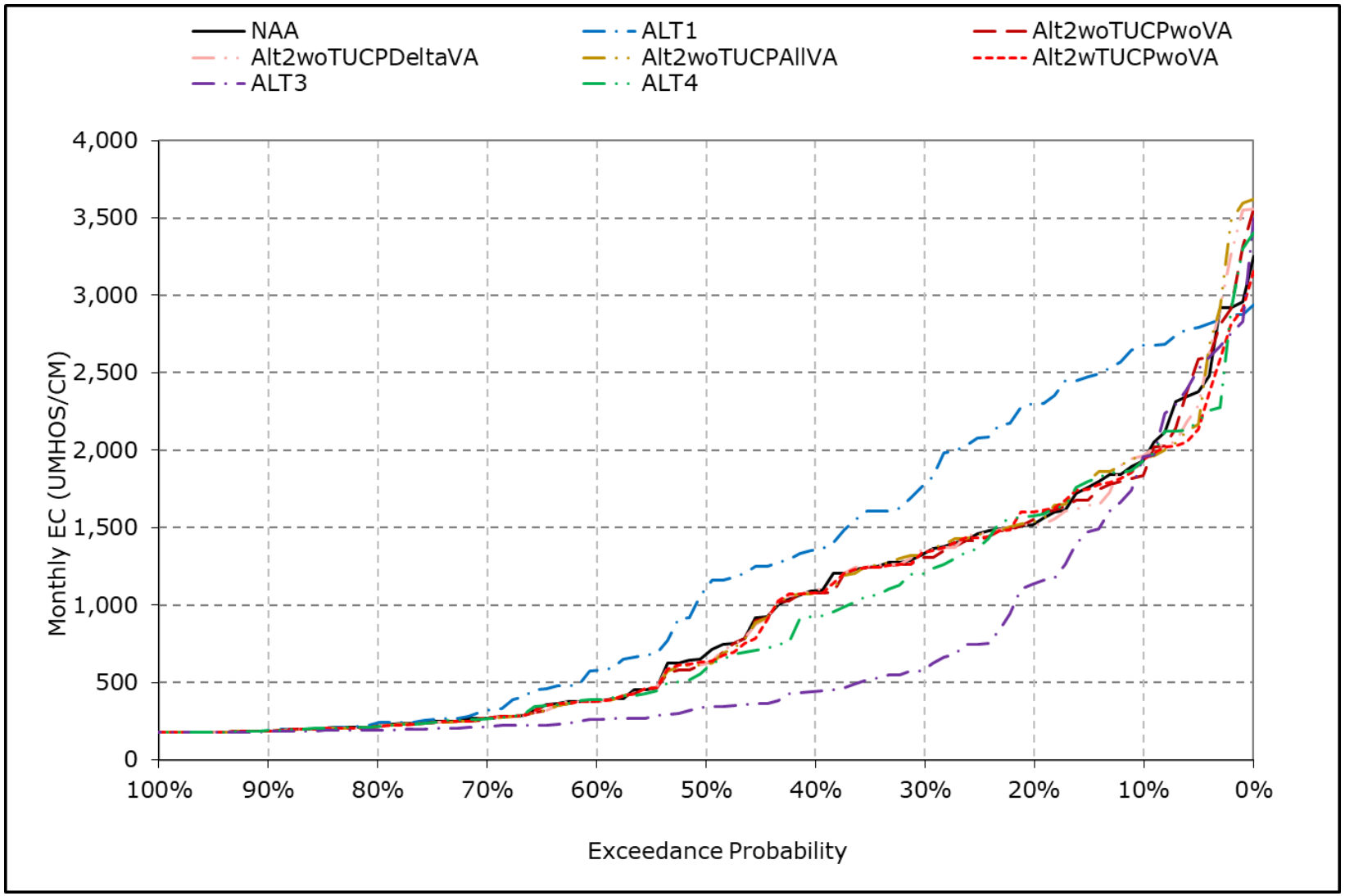
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-4-16. Sacramento River at Emmaton Salinity, October Electrical Conductivity



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

Figure F.2.5-4-17. Sacramento River at Emmaton Salinity, November Electrical Conductivity



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

Figure F.2.5-4-18. Sacramento River at Emmaton Salinity, December Electrical Conductivity

Table F.2.5-5-1a. Sacramento River at Rio Vista Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	477	491	342	268	209	202	218	248	399	411	439	449
20% Exceedance	414	402	288	238	196	193	195	192	207	226	318	391
30% Exceedance	377	368	275	205	191	188	189	190	201	216	286	353
40% Exceedance	343	315	252	192	188	187	188	188	197	206	260	333
50% Exceedance	313	241	221	189	185	185	186	186	193	193	224	299
60% Exceedance	189	225	198	185	183	183	184	184	191	186	201	193
70% Exceedance	187	217	187	181	181	180	181	182	189	185	196	190
80% Exceedance	185	208	182	180	179	179	180	179	185	184	194	189
90% Exceedance	184	188	179	178	178	178	179	178	181	182	191	187
Full Simulation Period Average[a]	303	306	244	210	191	188	196	203	227	238	273	293
Wet Water Years (28%)	185	208	221	180	179	180	180	180	185	184	194	188
Above Normal Years (14%)	186	214	230	192	182	181	182	183	188	183	194	189
Below Normal Years (18%)	334	315	223	197	189	186	187	185	198	197	233	313
Dry Water Years (24%)	367	340	257	226	195	190	189	189	199	218	297	355
Critical Water Years (16%)	498	518	305	269	214	210	256	302	411	459	490	451

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

Table F.2.5-5-1b. Sacramento River at Rio Vista Salinity, Alternative 1, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	487	504	427	321	216	205	201	225	246	284	408	429
20% Exceedance	403	420	377	288	204	196	193	192	204	226	337	406
30% Exceedance	374	389	320	235	194	189	190	191	199	217	302	378
40% Exceedance	359	367	278	200	188	186	187	190	191	205	273	329
50% Exceedance	335	346	254	192	185	185	185	187	188	197	229	313
60% Exceedance	308	326	213	185	182	183	184	183	186	188	222	274
70% Exceedance	287	291	188	181	181	180	181	181	184	186	218	256
80% Exceedance	265	231	182	180	179	179	180	179	183	185	214	239
90% Exceedance	249	197	179	178	178	179	179	178	181	183	210	232
Full Simulation Period Average[a]	341	352	276	226	193	189	188	195	210	218	272	320
Wet Water Years (28%)	271	274	247	180	179	180	180	180	182	184	212	249
Above Normal Years (14%)	292	319	250	194	182	181	182	183	184	185	216	259
Below Normal Years (18%)	330	343	257	209	191	186	186	186	190	198	241	293
Dry Water Years (24%)	364	348	308	259	201	192	189	189	199	220	306	375
Critical Water Years (16%)	499	549	326	306	220	211	210	250	323	322	409	448

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

Table F.2.5-5-1c. Sacramento River at Rio Vista Salinity, Alternative 1 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	10	13	85	54	7	2	-17	-24	-153	-127	-31	-20
20% Exceedance	-11	18	90	50	8	3	-2	0	-4	0	20	14
30% Exceedance	-3	21	45	30	3	0	0	1	-2	1	16	25
40% Exceedance	16	52	26	8	1	-1	-1	2	-6	-1	13	-4
50% Exceedance	22	106	34	4	0	0	0	1	-5	4	5	13
60% Exceedance	120	101	15	0	0	0	0	0	-5	2	21	81
70% Exceedance	100	74	1	0	0	0	0	-1	-4	1	22	66
80% Exceedance	80	23	0	0	0	0	0	0	-2	1	20	51
90% Exceedance	64	9	0	0	0	0	0	0	0	1	18	45
Full Simulation Period Average[a]	39	46	32	16	3	1	-7	-8	-17	-21	-1	28
Wet Water Years (28%)	86	66	26	0	0	0	0	0	-3	1	18	61
Above Normal Years (14%)	106	105	20	2	0	0	0	0	-4	2	22	70
Below Normal Years (18%)	-4	28	34	12	2	0	0	1	-8	1	8	-20
Dry Water Years (24%)	-3	7	51	33	6	2	0	0	0	2	10	20
Critical Water Years (16%)	1	32	21	37	6	1	-46	-52	-88	-137	-81	-3

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

Table F.2.5-5-2a. Sacramento River at Rio Vista Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	477	491	342	268	209	202	218	248	399	411	439	449
20% Exceedance	414	402	288	238	196	193	195	192	207	226	318	391
30% Exceedance	377	368	275	205	191	188	189	190	201	216	286	353
40% Exceedance	343	315	252	192	188	187	188	188	197	206	260	333
50% Exceedance	313	241	221	189	185	185	186	186	193	193	224	299
60% Exceedance	189	225	198	185	183	183	184	184	191	186	201	193
70% Exceedance	187	217	187	181	181	180	181	182	189	185	196	190
80% Exceedance	185	208	182	180	179	179	180	179	185	184	194	189
90% Exceedance	184	188	179	178	178	178	179	178	181	182	191	187
Full Simulation Period Average[a]	303	306	244	210	191	188	196	203	227	238	273	293
Wet Water Years (28%)	185	208	221	180	179	180	180	180	185	184	194	188
Above Normal Years (14%)	186	214	230	192	182	181	182	183	188	183	194	189
Below Normal Years (18%)	334	315	223	197	189	186	187	185	198	197	233	313
Dry Water Years (24%)	367	340	257	226	195	190	189	189	199	218	297	355
Critical Water Years (16%)	498	518	305	269	214	210	256	302	411	459	490	451

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

Table F.2.5-5-2b. Sacramento River at Rio Vista Salinity, Alt2woTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	511	447	334	266	205	199	199	217	249	289	408	439
20% Exceedance	414	409	289	225	196	193	193	193	207	242	339	390
30% Exceedance	387	374	270	205	192	188	189	191	202	218	309	358
40% Exceedance	344	310	252	193	188	187	187	190	198	207	262	331
50% Exceedance	311	239	214	189	185	185	185	186	193	195	225	306
60% Exceedance	189	222	198	185	183	183	183	183	191	186	203	194
70% Exceedance	187	216	187	181	181	180	181	181	190	185	198	191
80% Exceedance	185	206	182	180	179	179	180	179	185	184	197	189
90% Exceedance	184	189	179	178	178	178	179	178	181	182	194	187
Full Simulation Period Average[a]	307	299	243	208	191	188	188	194	214	219	265	294
Wet Water Years (28%)	186	208	222	180	179	180	180	180	184	184	196	189
Above Normal Years (14%)	185	213	229	192	182	181	182	183	188	184	197	190
Below Normal Years (18%)	336	313	223	197	189	186	187	186	198	197	235	309
Dry Water Years (24%)	371	346	254	222	194	190	189	189	201	223	310	363
Critical Water Years (16%)	518	466	307	264	215	206	207	245	323	328	414	451

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

Table F.2.5-5-2c. Sacramento River at Rio Vista Salinity, Alt2woTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	34	-43	-8	-2	-4	-3	-18	-32	-150	-122	-31	-10
20% Exceedance	0	7	2	-12	0	0	-2	1	-1	16	21	-1
30% Exceedance	10	6	-5	1	1	0	-1	1	1	2	23	6
40% Exceedance	1	-6	1	1	0	0	0	2	1	1	2	-2
50% Exceedance	-3	-1	-6	1	0	0	0	0	-1	1	1	7
60% Exceedance	0	-2	0	0	0	0	0	0	0	0	1	1
70% Exceedance	0	-1	0	0	0	0	0	0	1	1	2	0
80% Exceedance	0	-2	0	0	0	0	0	0	0	1	3	1
90% Exceedance	0	1	0	0	0	0	0	0	0	0	3	1
Full Simulation Period Average[a]	4	-7	0	-2	0	-1	-8	-9	-14	-19	-8	2
Wet Water Years (28%)	0	0	0	0	0	0	0	0	0	0	2	1
Above Normal Years (14%)	0	-2	-1	0	0	0	0	0	0	1	3	0
Below Normal Years (18%)	2	-2	0	0	0	0	0	1	0	1	2	-3
Dry Water Years (24%)	3	5	-3	-4	-1	0	0	0	2	5	13	8
Critical Water Years (16%)	20	-51	2	-5	1	-4	-48	-58	-88	-131	-76	1

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

Table F.2.5-5-3a. Sacramento River at Rio Vista Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	477	491	342	268	209	202	218	248	399	411	439	449
20% Exceedance	414	402	288	238	196	193	195	192	207	226	318	391
30% Exceedance	377	368	275	205	191	188	189	190	201	216	286	353
40% Exceedance	343	315	252	192	188	187	188	188	197	206	260	333
50% Exceedance	313	241	221	189	185	185	186	186	193	193	224	299
60% Exceedance	189	225	198	185	183	183	184	184	191	186	201	193
70% Exceedance	187	217	187	181	181	180	181	182	189	185	196	190
80% Exceedance	185	208	182	180	179	179	180	179	185	184	194	189
90% Exceedance	184	188	179	178	178	178	179	178	181	182	191	187
Full Simulation Period Average[a]	303	306	244	210	191	188	196	203	227	238	273	293
Wet Water Years (28%)	185	208	221	180	179	180	180	180	185	184	194	188
Above Normal Years (14%)	186	214	230	192	182	181	182	183	188	183	194	189
Below Normal Years (18%)	334	315	223	197	189	186	187	185	198	197	233	313
Dry Water Years (24%)	367	340	257	226	195	190	189	189	199	218	297	355
Critical Water Years (16%)	498	518	305	269	214	210	256	302	411	459	490	451

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

Table F.2.5-5-3b. Sacramento River at Rio Vista Salinity, Alt2woTUCPDeltaVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	521	433	337	265	206	197	199	218	248	279	397	439
20% Exceedance	403	414	286	229	196	194	195	194	210	234	330	393
30% Exceedance	385	368	274	206	192	188	190	192	203	217	298	362
40% Exceedance	343	297	254	193	188	187	188	191	199	208	256	342
50% Exceedance	312	242	215	190	185	185	185	186	193	194	224	301
60% Exceedance	189	221	198	185	183	183	184	184	192	187	202	193
70% Exceedance	187	215	187	181	181	180	181	182	190	185	198	191
80% Exceedance	185	206	182	180	179	179	180	179	185	184	196	189
90% Exceedance	184	189	179	178	178	178	179	178	181	182	194	187
Full Simulation Period Average[a]	307	297	244	214	193	188	189	195	214	217	262	295
Wet Water Years (28%)	186	208	224	180	179	180	180	180	185	184	196	189
Above Normal Years (14%)	185	212	229	192	182	181	183	184	188	184	196	189
Below Normal Years (18%)	333	309	221	198	189	186	188	187	198	198	230	312
Dry Water Years (24%)	370	343	251	223	194	190	190	190	202	221	302	366
Critical Water Years (16%)	527	462	317	297	228	206	208	244	322	318	408	450

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

Table F.2.5-5-3c. Sacramento River at Rio Vista Salinity, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	44	-57	-4	-2	-3	-5	-19	-31	-151	-132	-42	-10
20% Exceedance	-11	12	-1	-9	0	0	-1	2	2	8	12	2
30% Exceedance	8	0	-1	1	2	0	1	2	2	1	12	9
40% Exceedance	0	-19	3	1	1	0	1	3	2	2	-4	9
50% Exceedance	-1	2	-6	1	0	0	0	0	0	1	0	1
60% Exceedance	0	-4	0	0	0	0	1	1	0	1	1	0
70% Exceedance	0	-2	0	0	0	0	0	0	1	0	2	0
80% Exceedance	0	-2	0	0	0	0	0	0	0	0	1	1
90% Exceedance	0	1	0	0	0	0	0	0	0	0	2	0
Full Simulation Period Average[a]	5	-9	1	4	2	-1	-7	-9	-13	-22	-12	3
Wet Water Years (28%)	0	0	3	0	0	0	0	0	0	0	2	1
Above Normal Years (14%)	0	-2	-1	0	0	0	1	0	0	1	2	0
Below Normal Years (18%)	-1	-5	-1	1	0	0	1	2	0	1	-3	0
Dry Water Years (24%)	2	3	-6	-3	-1	0	1	1	3	3	6	11
Critical Water Years (16%)	29	-55	12	29	14	-4	-48	-58	-89	-141	-82	0

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

Table F.2.5-5-4a. Sacramento River at Rio Vista Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	477	491	342	268	209	202	218	248	399	411	439	449
20% Exceedance	414	402	288	238	196	193	195	192	207	226	318	391
30% Exceedance	377	368	275	205	191	188	189	190	201	216	286	353
40% Exceedance	343	315	252	192	188	187	188	188	197	206	260	333
50% Exceedance	313	241	221	189	185	185	186	186	193	193	224	299
60% Exceedance	189	225	198	185	183	183	184	184	191	186	201	193
70% Exceedance	187	217	187	181	181	180	181	182	189	185	196	190
80% Exceedance	185	208	182	180	179	179	180	179	185	184	194	189
90% Exceedance	184	188	179	178	178	178	179	178	181	182	191	187
Full Simulation Period Average[a]	303	306	244	210	191	188	196	203	227	238	273	293
Wet Water Years (28%)	185	208	221	180	179	180	180	180	185	184	194	188
Above Normal Years (14%)	186	214	230	192	182	181	182	183	188	183	194	189
Below Normal Years (18%)	334	315	223	197	189	186	187	185	198	197	233	313
Dry Water Years (24%)	367	340	257	226	195	190	189	189	199	218	297	355
Critical Water Years (16%)	498	518	305	269	214	210	256	302	411	459	490	451

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

Table F.2.5-5-4b. Sacramento River at Rio Vista Salinity, Alt2woTUCPAllVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	515	452	337	264	206	197	196	210	240	275	395	437
20% Exceedance	408	414	286	228	195	193	193	192	208	238	329	390
30% Exceedance	384	365	275	206	192	188	188	190	203	218	297	358
40% Exceedance	338	289	252	192	188	187	187	187	197	208	256	334
50% Exceedance	297	240	216	190	184	185	185	185	193	196	223	299
60% Exceedance	188	221	199	185	183	183	183	183	192	187	201	193
70% Exceedance	187	215	187	181	181	181	181	181	189	185	198	191
80% Exceedance	185	206	182	180	179	179	179	179	185	184	195	189
90% Exceedance	184	187	179	178	178	178	179	177	181	182	194	187
Full Simulation Period Average[a]	306	298	246	210	190	187	187	191	211	216	260	295
Wet Water Years (28%)	186	208	224	180	179	180	180	180	185	184	196	189
Above Normal Years (14%)	185	212	228	192	182	181	182	182	188	184	195	189
Below Normal Years (18%)	323	307	221	197	189	186	186	185	198	198	229	310
Dry Water Years (24%)	371	341	253	223	194	190	188	188	201	223	302	366
Critical Water Years (16%)	526	475	321	273	212	205	204	229	305	312	400	450

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

Table F.2.5-5-4c. Sacramento River at Rio Vista Salinity, Alt2woTUCPAllVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	38	-38	-4	-3	-3	-5	-22	-38	-159	-136	-44	-12
20% Exceedance	-7	12	-2	-10	-1	-1	-2	-1	0	12	11	-1
30% Exceedance	7	-3	0	1	1	0	-1	0	2	2	11	5
40% Exceedance	-5	-26	1	0	0	0	-1	-1	0	1	-4	1
50% Exceedance	-16	-1	-5	1	0	0	-1	-1	0	3	-2	0
60% Exceedance	0	-3	0	0	0	0	0	-1	1	1	0	0
70% Exceedance	0	-2	0	0	0	0	0	-1	0	0	2	0
80% Exceedance	0	-2	0	0	0	0	0	0	0	0	1	1
90% Exceedance	-1	0	0	0	0	0	0	0	0	0	2	0
Full Simulation Period Average[a]	3	-8	2	0	0	-1	-9	-12	-17	-22	-13	2
Wet Water Years (28%)	0	0	3	0	0	0	0	0	0	0	1	1
Above Normal Years (14%)	-1	-2	-2	0	0	0	0	-1	0	1	2	0
Below Normal Years (18%)	-11	-7	-1	0	0	0	-1	-1	1	1	-4	-3
Dry Water Years (24%)	4	1	-4	-3	-1	0	-1	-1	2	5	5	11
Critical Water Years (16%)	27	-43	16	4	-1	-5	-52	-74	-106	-147	-90	-1

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

Table F.2.5-5-5a. Sacramento River at Rio Vista Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	477	491	342	268	209	202	218	248	399	411	439	449
20% Exceedance	414	402	288	238	196	193	195	192	207	226	318	391
30% Exceedance	377	368	275	205	191	188	189	190	201	216	286	353
40% Exceedance	343	315	252	192	188	187	188	188	197	206	260	333
50% Exceedance	313	241	221	189	185	185	186	186	193	193	224	299
60% Exceedance	189	225	198	185	183	183	184	184	191	186	201	193
70% Exceedance	187	217	187	181	181	180	181	182	189	185	196	190
80% Exceedance	185	208	182	180	179	179	180	179	185	184	194	189
90% Exceedance	184	188	179	178	178	178	179	178	181	182	191	187
Full Simulation Period Average[a]	303	306	244	210	191	188	196	203	227	238	273	293
Wet Water Years (28%)	185	208	221	180	179	180	180	180	185	184	194	188
Above Normal Years (14%)	186	214	230	192	182	181	182	183	188	183	194	189
Below Normal Years (18%)	334	315	223	197	189	186	187	185	198	197	233	313
Dry Water Years (24%)	367	340	257	226	195	190	189	189	199	218	297	355
Critical Water Years (16%)	498	518	305	269	214	210	256	302	411	459	490	451

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

Table F.2.5-5-5b. Sacramento River at Rio Vista Salinity, Alt2wTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	483	470	328	265	205	202	205	249	389	449	458	444
20% Exceedance	415	414	290	228	196	194	196	193	209	242	339	388
30% Exceedance	387	369	273	206	191	188	189	191	202	218	307	359
40% Exceedance	344	311	253	192	188	187	187	189	198	206	255	328
50% Exceedance	312	240	216	189	185	185	185	185	193	194	225	297
60% Exceedance	189	222	198	185	183	183	183	183	191	186	203	194
70% Exceedance	187	216	187	181	181	180	181	181	190	185	198	191
80% Exceedance	185	206	182	180	179	179	180	179	185	184	197	189
90% Exceedance	184	187	179	178	178	178	179	178	181	183	194	187
Full Simulation Period Average[a]	304	302	241	209	192	189	195	203	225	238	277	294
Wet Water Years (28%)	186	208	221	180	179	180	180	180	184	184	196	189
Above Normal Years (14%)	185	213	229	192	182	181	182	183	188	184	197	190
Below Normal Years (18%)	337	312	224	197	189	186	187	186	198	197	230	307
Dry Water Years (24%)	370	345	256	223	194	190	189	189	201	223	310	363
Critical Water Years (16%)	496	485	285	269	223	212	252	299	395	448	490	451

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

Table F.2.5-5-5c. Sacramento River at Rio Vista Salinity, Alt2wTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

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

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

Table F.2.5-5-6a. Sacramento River at Rio Vista Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	477	491	342	268	209	202	218	248	399	411	439	449
20% Exceedance	414	402	288	238	196	193	195	192	207	226	318	391
30% Exceedance	377	368	275	205	191	188	189	190	201	216	286	353
40% Exceedance	343	315	252	192	188	187	188	188	197	206	260	333
50% Exceedance	313	241	221	189	185	185	186	186	193	193	224	299
60% Exceedance	189	225	198	185	183	183	184	184	191	186	201	193
70% Exceedance	187	217	187	181	181	180	181	182	189	185	196	190
80% Exceedance	185	208	182	180	179	179	180	179	185	184	194	189
90% Exceedance	184	188	179	178	178	178	179	178	181	182	191	187
Full Simulation Period Average[a]	303	306	244	210	191	188	196	203	227	238	273	293
Wet Water Years (28%)	185	208	221	180	179	180	180	180	185	184	194	188
Above Normal Years (14%)	186	214	230	192	182	181	182	183	188	183	194	189
Below Normal Years (18%)	334	315	223	197	189	186	187	185	198	197	233	313
Dry Water Years (24%)	367	340	257	226	195	190	189	189	199	218	297	355
Critical Water Years (16%)	498	518	305	269	214	210	256	302	411	459	490	451

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

Table F.2.5-5-6b. Sacramento River at Rio Vista Salinity, Alternative 3, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	473	475	311	221	198	198	198	210	254	255	281	382
20% Exceedance	310	384	254	198	192	191	192	195	218	225	209	247
30% Exceedance	291	347	210	193	189	188	189	190	212	213	207	231
40% Exceedance	257	305	199	189	186	186	187	187	210	208	204	220
50% Exceedance	243	214	191	185	184	185	184	185	205	204	201	213
60% Exceedance	189	193	186	183	182	182	183	183	201	200	199	190
70% Exceedance	185	190	183	180	180	180	180	180	197	197	197	185
80% Exceedance	184	188	181	180	179	179	179	178	191	193	194	184
90% Exceedance	183	184	179	178	178	178	178	177	182	188	192	183
Full Simulation Period Average[a]	267	287	222	193	187	187	190	195	212	216	217	234
Wet Water Years (28%)	185	188	188	179	179	180	180	179	192	189	194	185
Above Normal Years (14%)	184	189	188	183	181	181	182	182	202	202	197	184
Below Normal Years (18%)	245	291	220	188	187	185	185	187	213	217	206	215
Dry Water Years (24%)	296	327	254	197	190	188	188	189	202	206	203	233
Critical Water Years (16%)	483	504	268	226	204	203	225	253	269	288	309	385

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

Table F.2.5-5-6c. Sacramento River at Rio Vista Salinity, Alternative 3 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-4	-16	-31	-46	-10	-4	-20	-39	-145	-156	-158	-67
20% Exceedance	-104	-18	-34	-40	-4	-2	-3	3	10	-1	-109	-144
30% Exceedance	-86	-21	-65	-12	-2	0	-1	0	12	-3	-79	-121
40% Exceedance	-86	-11	-53	-3	-1	-1	-1	-1	13	2	-56	-113
50% Exceedance	-71	-27	-30	-4	0	0	-1	-1	11	11	-23	-87
60% Exceedance	0	-32	-13	-2	0	-1	-1	-1	10	14	-2	-4
70% Exceedance	-2	-27	-4	-1	0	0	-1	-2	8	13	0	-5
80% Exceedance	-1	-20	-2	0	0	0	-1	-1	6	9	0	-5
90% Exceedance	-1	-3	0	0	0	0	0	-1	1	5	1	-4
Full Simulation Period Average[a]	-36	-19	-22	-17	-3	-2	-6	-8	-15	-22	-56	-59
Wet Water Years (28%)	-1	-20	-33	-1	0	0	0	-1	7	5	0	-3
Above Normal Years (14%)	-1	-25	-42	-9	0	0	0	-2	14	18	3	-5
Below Normal Years (18%)	-89	-23	-3	-9	-2	-1	-2	1	15	21	-27	-97
Dry Water Years (24%)	-71	-13	-3	-28	-5	-2	-2	0	3	-12	-94	-122
Critical Water Years (16%)	-16	-13	-37	-43	-10	-7	-30	-49	-142	-171	-181	-66

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

Table F.2.5-5-7a. Sacramento River at Rio Vista Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	477	491	342	268	209	202	218	248	399	411	439	449
20% Exceedance	414	402	288	238	196	193	195	192	207	226	318	391
30% Exceedance	377	368	275	205	191	188	189	190	201	216	286	353
40% Exceedance	343	315	252	192	188	187	188	188	197	206	260	333
50% Exceedance	313	241	221	189	185	185	186	186	193	193	224	299
60% Exceedance	189	225	198	185	183	183	184	184	191	186	201	193
70% Exceedance	187	217	187	181	181	180	181	182	189	185	196	190
80% Exceedance	185	208	182	180	179	179	180	179	185	184	194	189
90% Exceedance	184	188	179	178	178	178	179	178	181	182	191	187
Full Simulation Period Average[a]	303	306	244	210	191	188	196	203	227	238	273	293
Wet Water Years (28%)	185	208	221	180	179	180	180	180	185	184	194	188
Above Normal Years (14%)	186	214	230	192	182	181	182	183	188	183	194	189
Below Normal Years (18%)	334	315	223	197	189	186	187	185	198	197	233	313
Dry Water Years (24%)	367	340	257	226	195	190	189	189	199	218	297	355
Critical Water Years (16%)	498	518	305	269	214	210	256	302	411	459	490	451

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

Table F.2.5-5-7b. Sacramento River at Rio Vista Salinity, Alternative 4, Monthly Electrical Conductivity (UMHOS/CM)

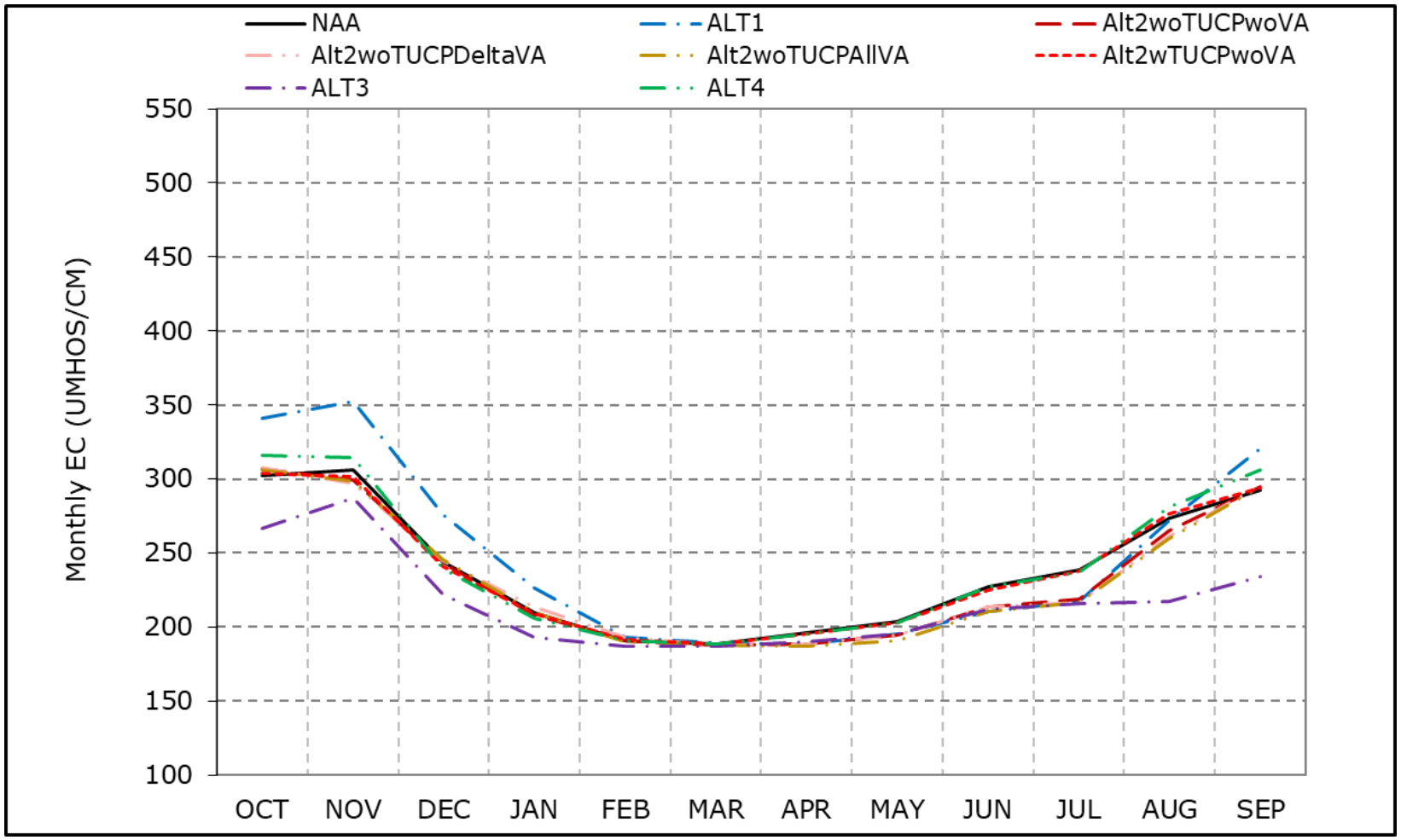
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	479	489	328	264	209	203	208	250	398	402	446	442
20% Exceedance	414	411	293	233	196	193	196	193	209	238	337	392
30% Exceedance	386	366	261	203	191	188	188	191	202	215	308	357
40% Exceedance	351	303	242	191	187	186	187	190	199	205	254	329
50% Exceedance	307	277	211	187	184	185	185	186	193	193	223	314
60% Exceedance	229	262	201	185	182	183	183	183	191	187	216	233
70% Exceedance	221	247	186	181	181	180	181	181	190	185	213	224
80% Exceedance	215	227	182	180	179	179	180	179	185	184	211	220
90% Exceedance	207	192	179	178	178	178	179	178	181	183	208	214
Full Simulation Period Average[a]	316	314	239	206	191	189	195	203	227	237	281	306
Wet Water Years (28%)	216	238	214	180	179	180	180	180	184	184	209	216
Above Normal Years (14%)	214	241	225	187	182	181	182	183	188	184	212	221
Below Normal Years (18%)	333	310	223	195	188	186	186	186	198	196	229	311
Dry Water Years (24%)	374	343	256	223	196	190	189	189	201	221	308	360
Critical Water Years (16%)	492	490	294	257	214	212	253	301	406	449	488	452

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

Table F.2.5-5-7c. Sacramento River at Rio Vista Salinity, Alternative 4 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

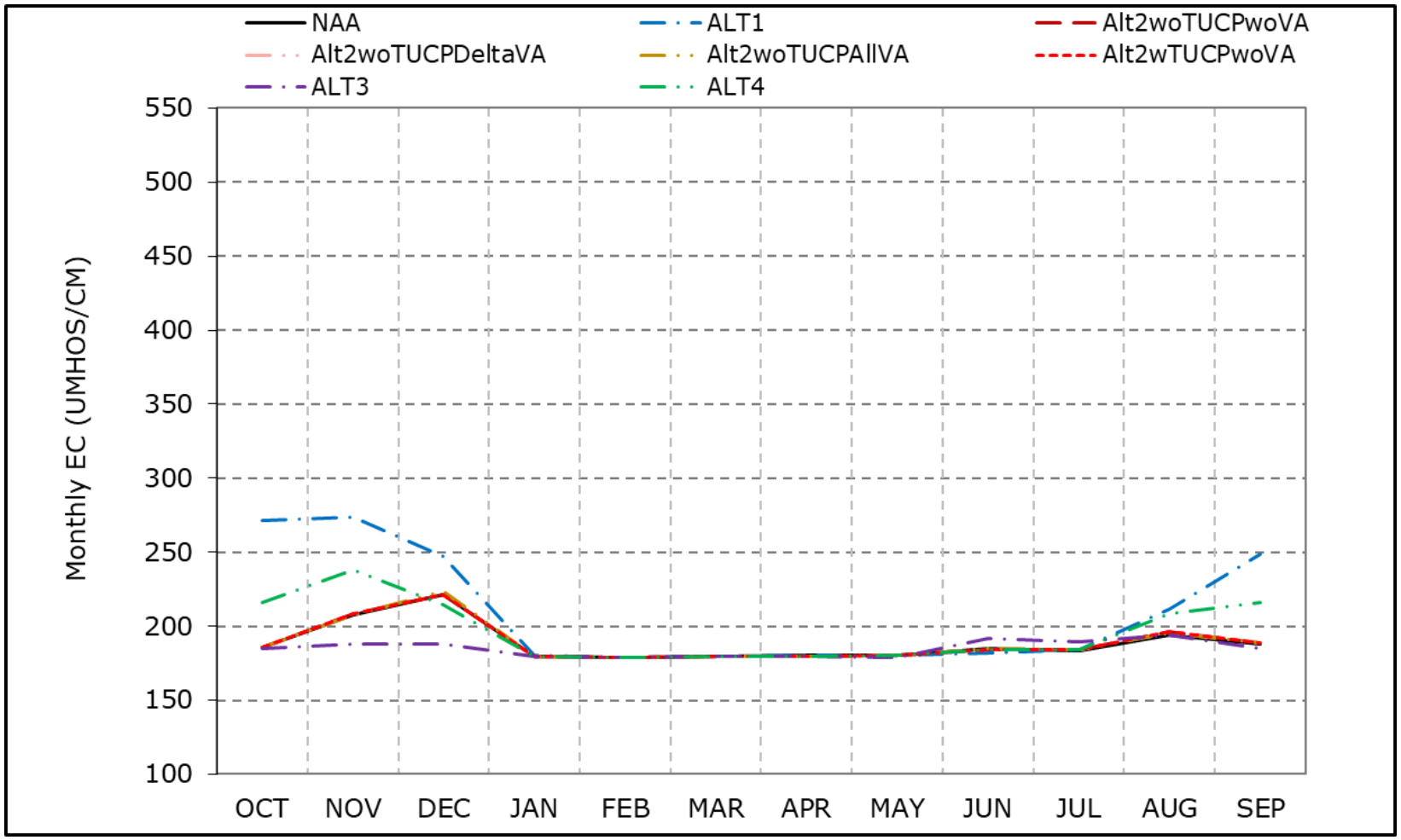
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2	-2	-13	-3	0	1	-10	1	-2	-9	7	-7
20% Exceedance	0	9	5	-5	0	0	1	0	2	12	20	1
30% Exceedance	9	-2	-14	-2	0	0	-1	1	2	-1	22	4
40% Exceedance	8	-13	-10	-1	0	-1	0	2	2	-1	-6	-4
50% Exceedance	-6	37	-10	-1	0	0	-1	0	-1	0	-1	14
60% Exceedance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

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



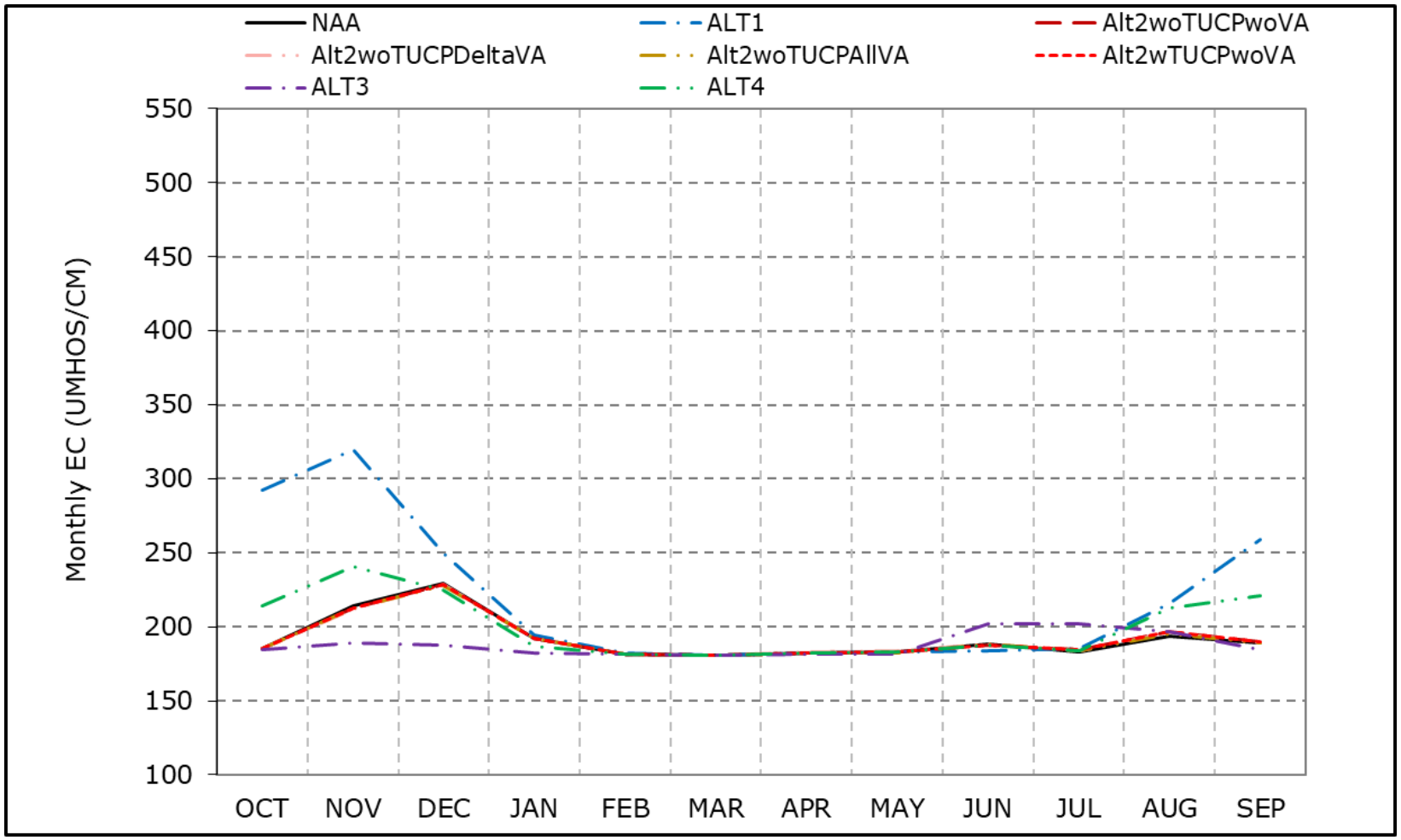
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-5-1. Sacramento River at Rio Vista Salinity, Long-Term Average Electrical Conductivity



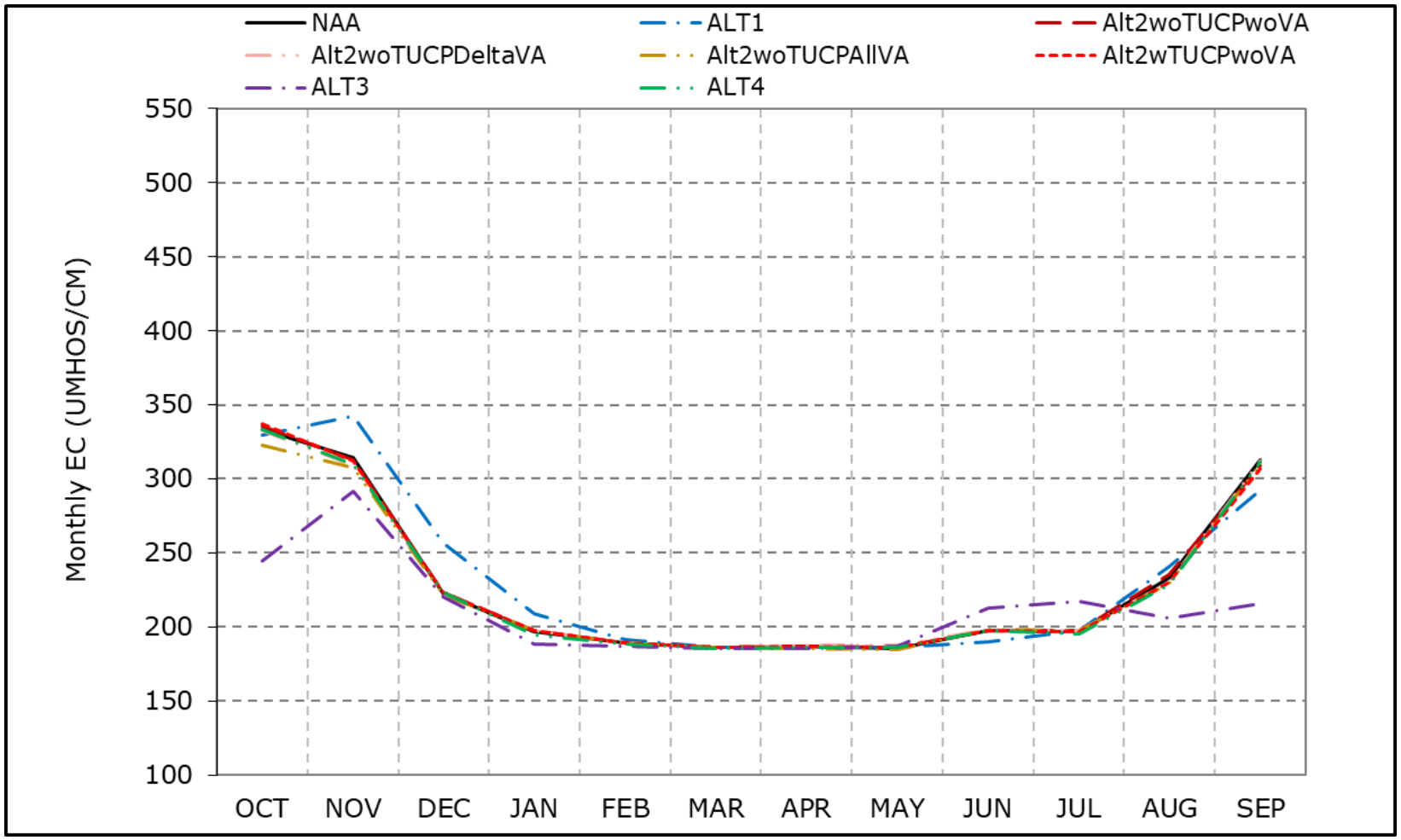
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-5-2. Sacramento River at Rio Vista Salinity, Wet Year Average Electrical Conductivity



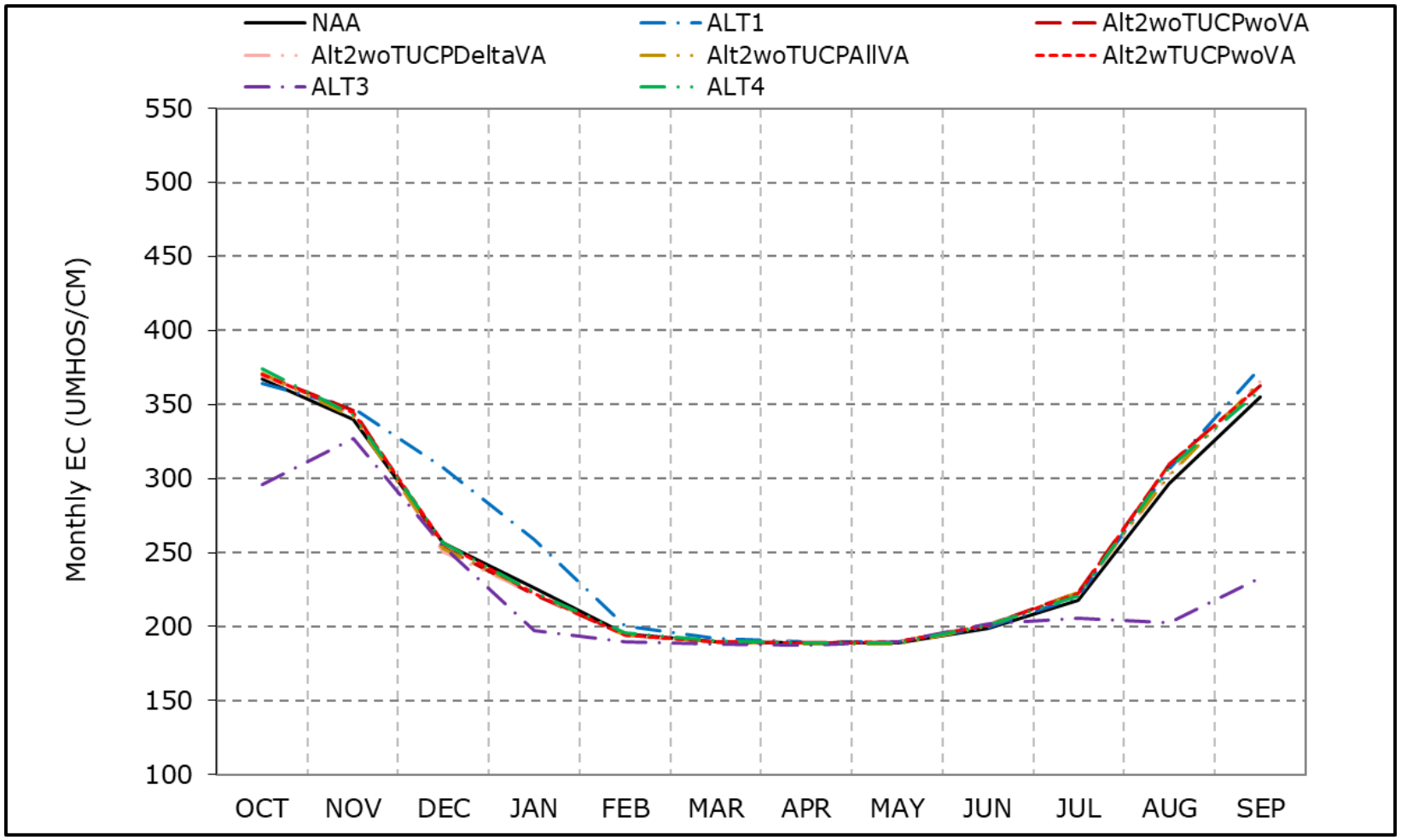
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-5-3. Sacramento River at Rio Vista Salinity, Above Normal Year Average Electrical Conductivity



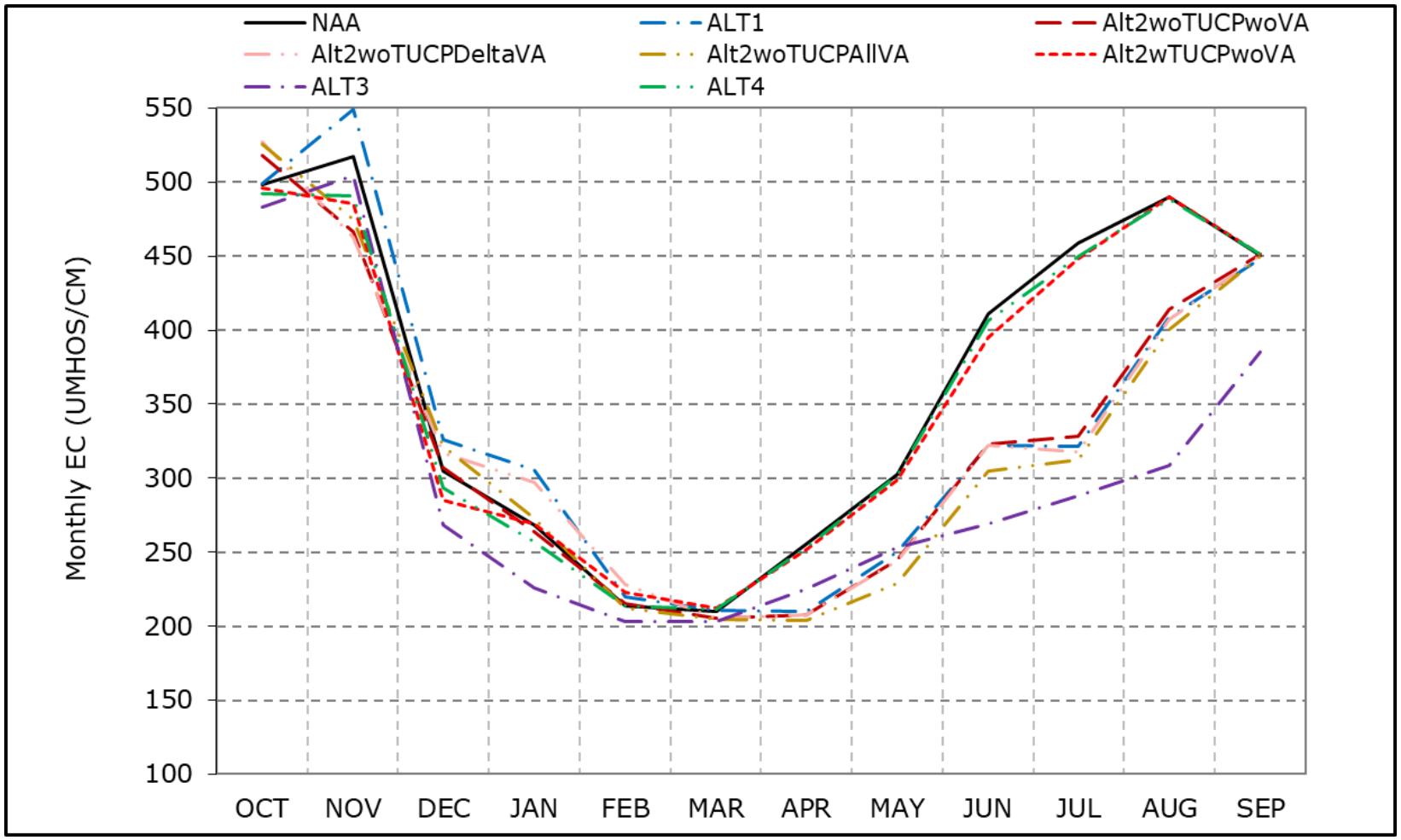
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-5-4. Sacramento River at Rio Vista Salinity, Below Normal Year Average Electrical Conductivity



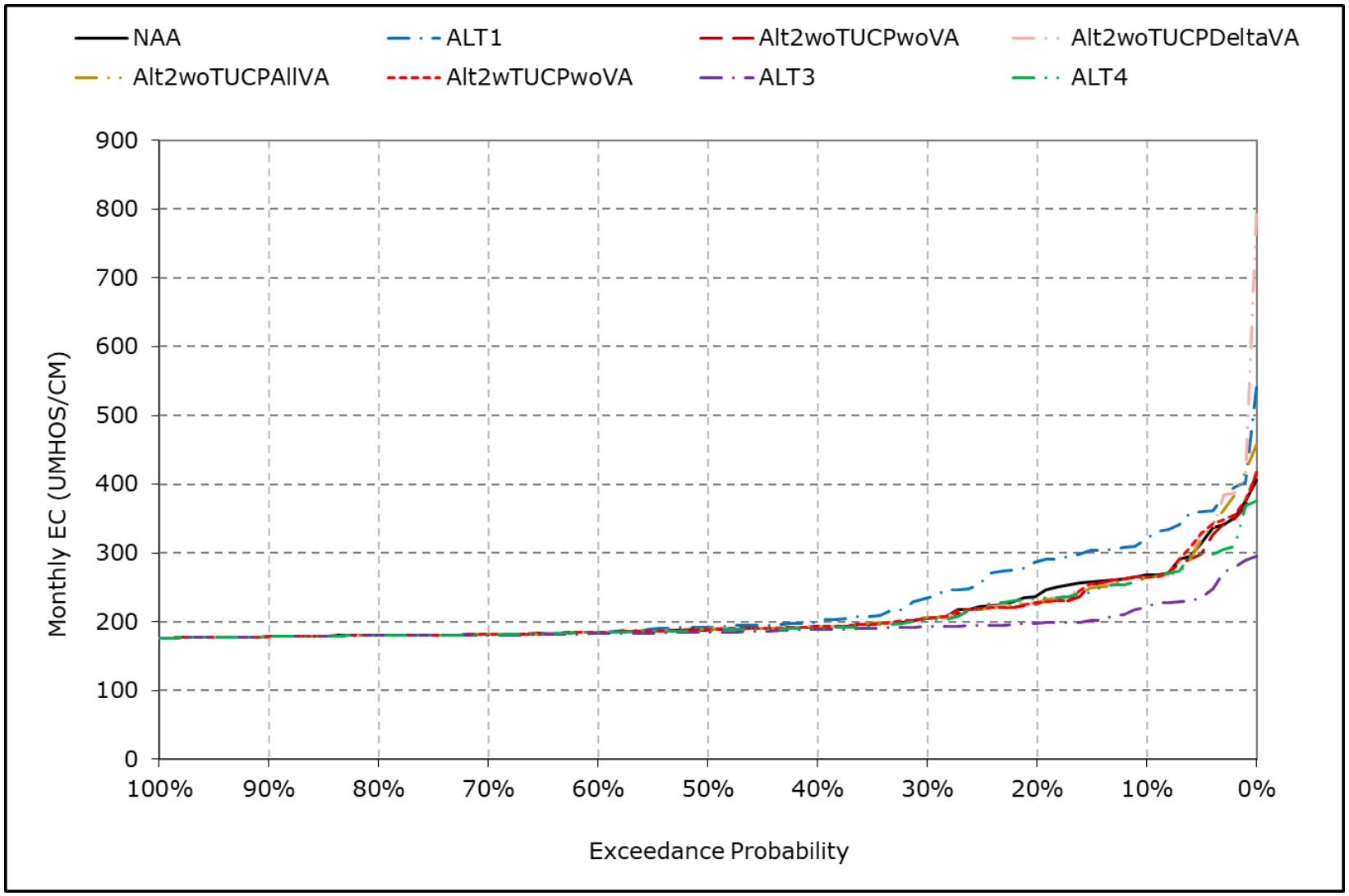
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-5-5. Sacramento River at Rio Vista Salinity, Dry Year Average Electrical Conductivity



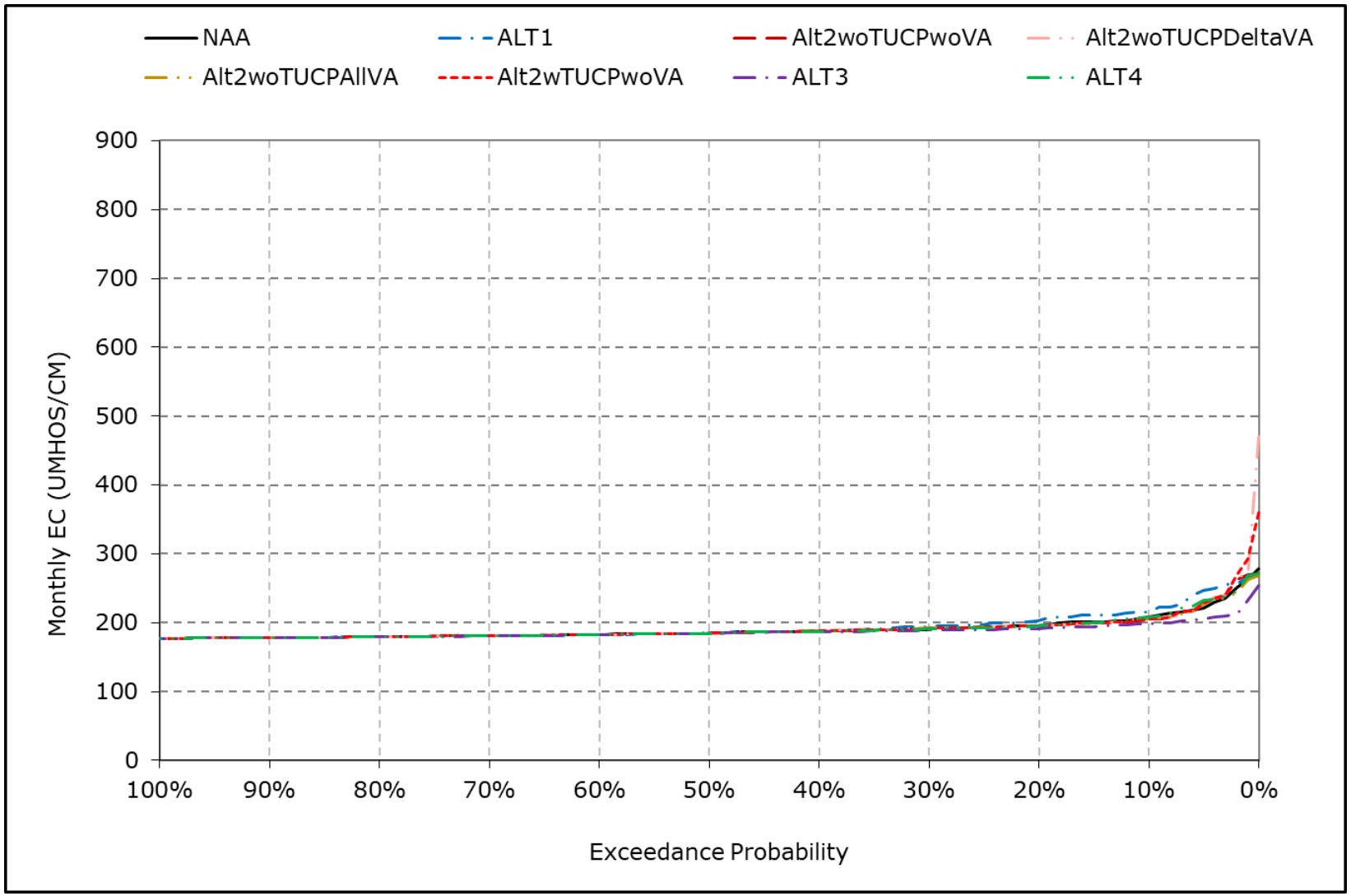
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-5-6. Sacramento River at Rio Vista Salinity, Critical Year Average Electrical Conductivity



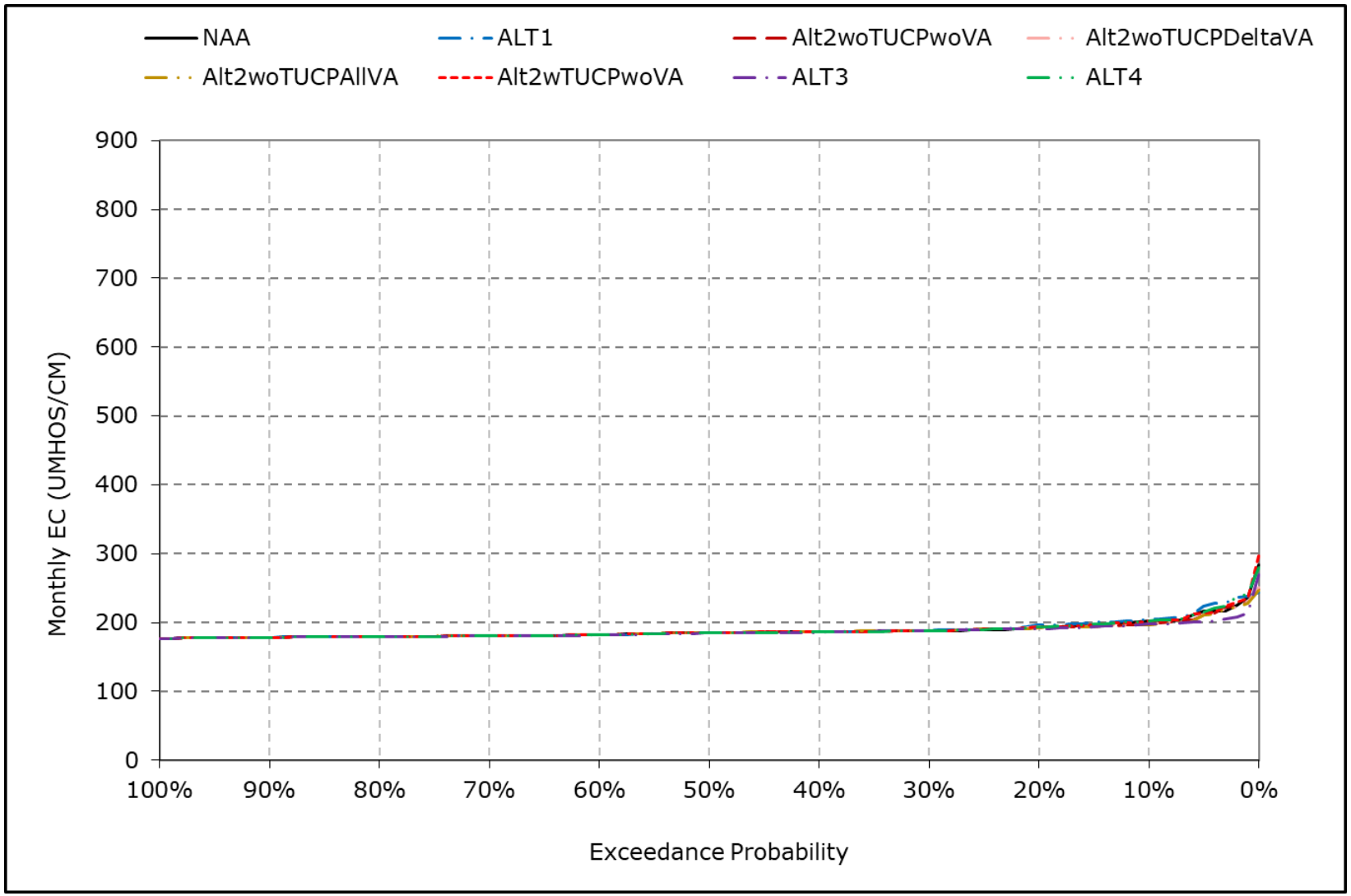
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-5-7. Sacramento River at Rio Vista Salinity, January Electrical Conductivity



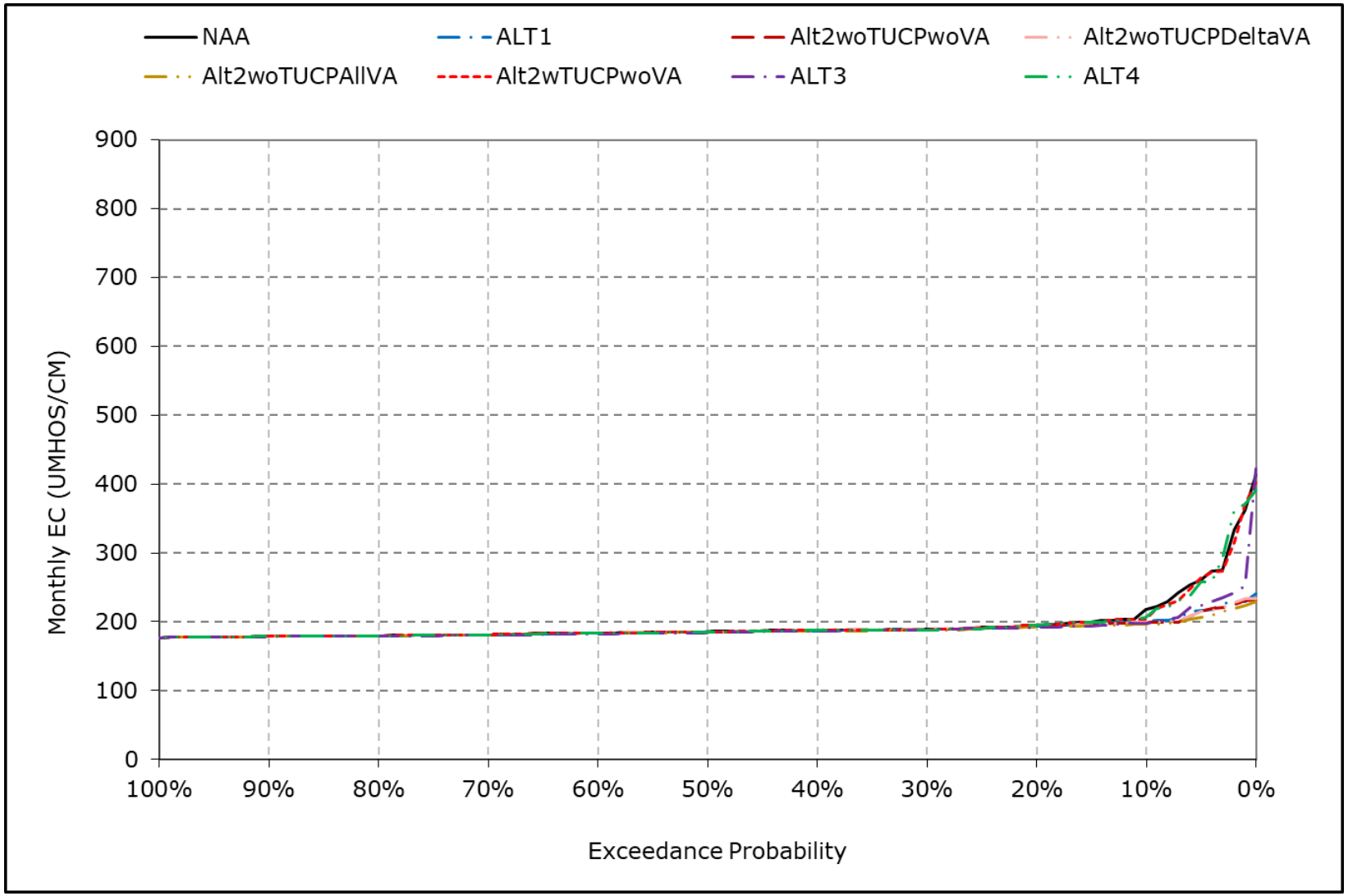
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-5-8. Sacramento River at Rio Vista Salinity, February Electrical Conductivity



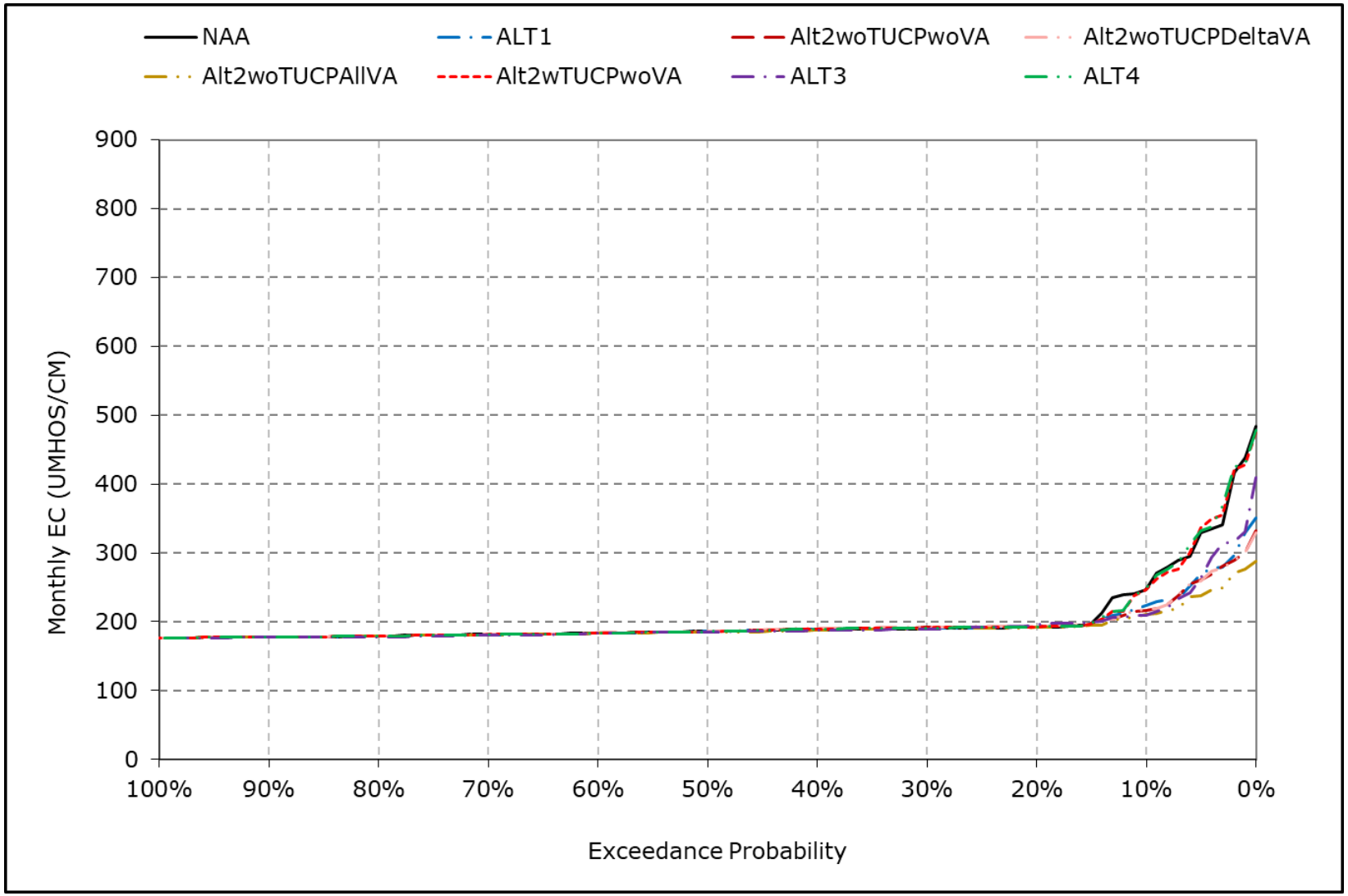
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-5-9. Sacramento River at Rio Vista Salinity, March Electrical Conductivity



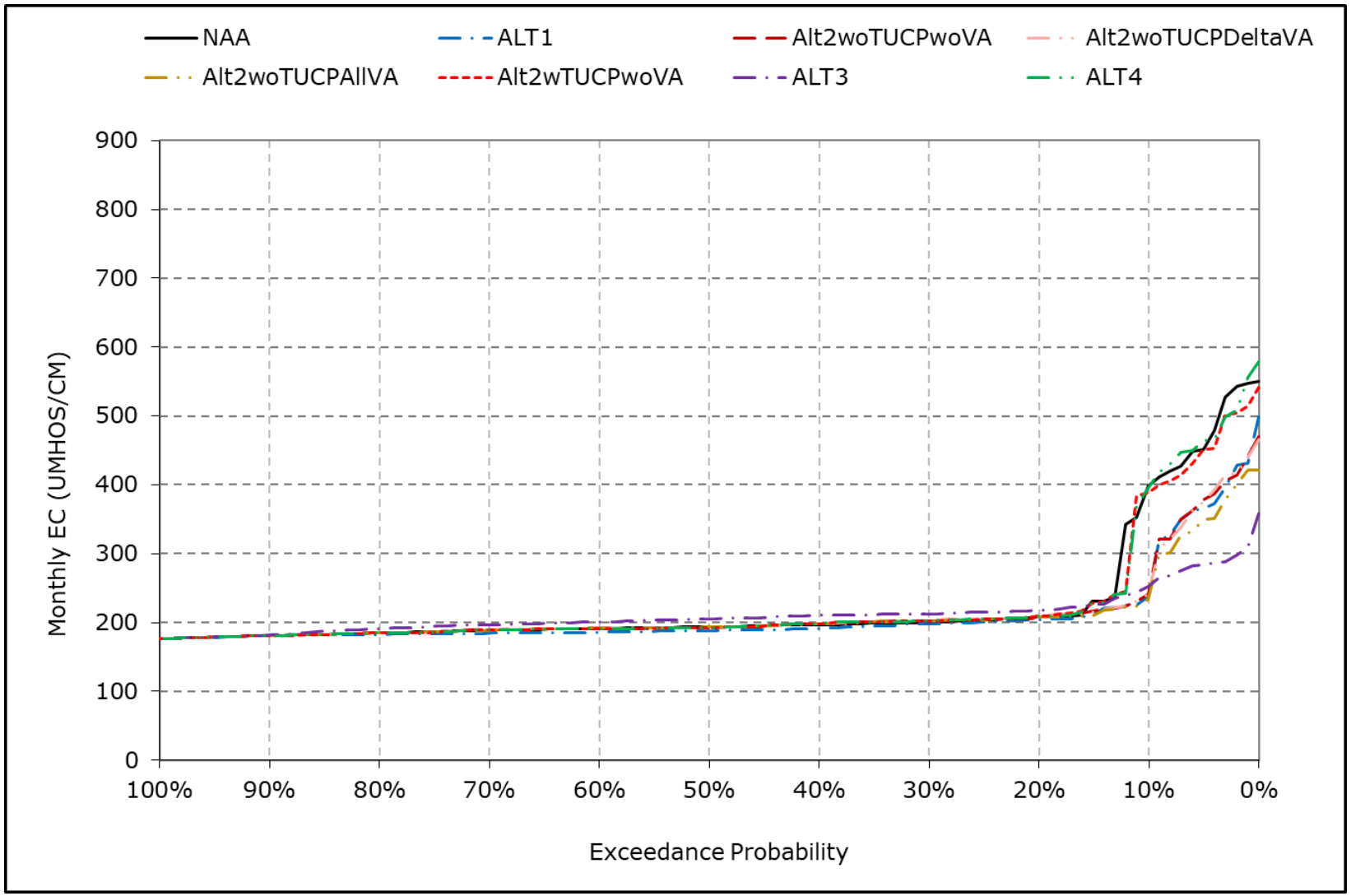
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-5-10. Sacramento River at Rio Vista Salinity, April Electrical Conductivity



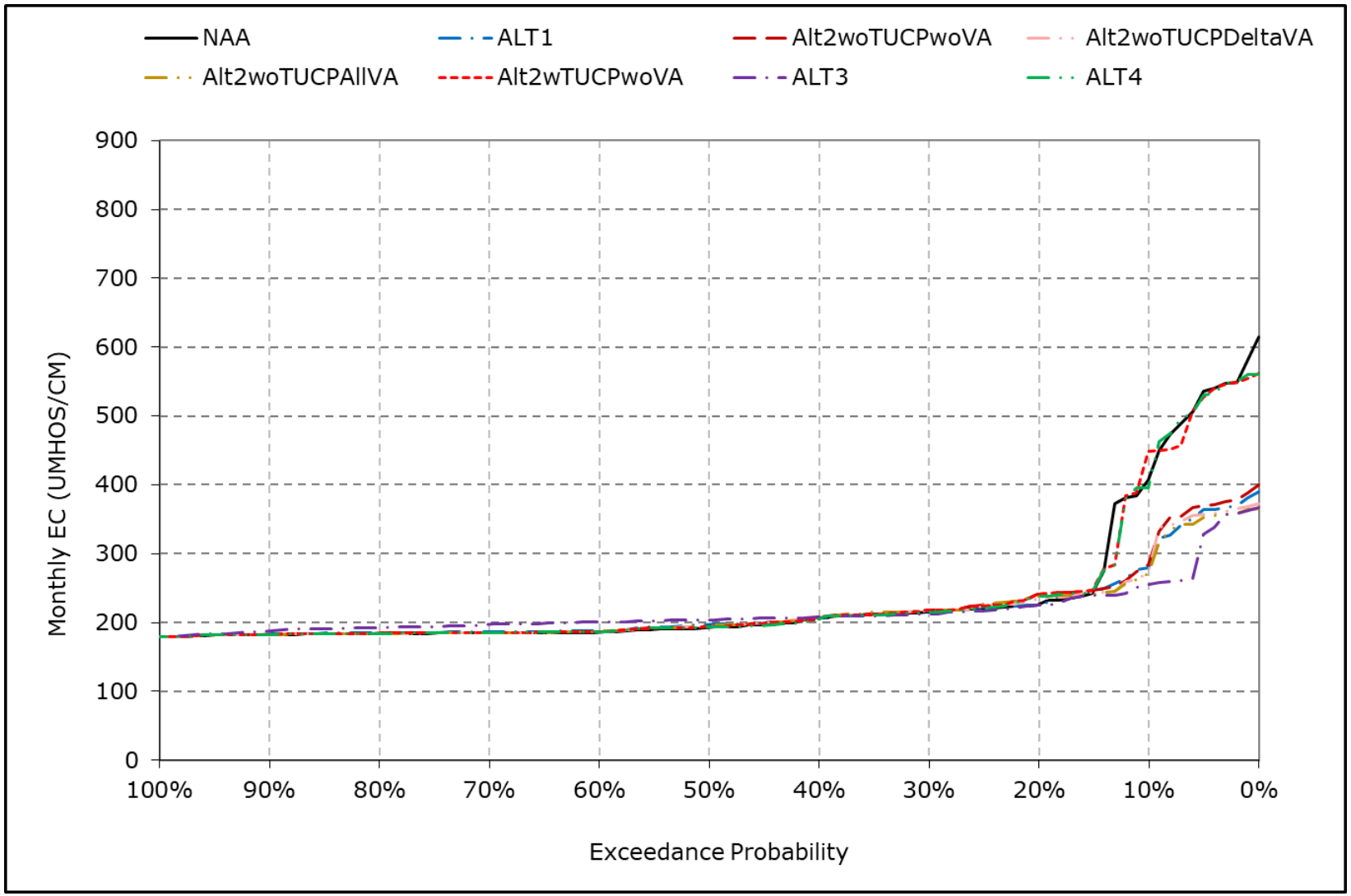
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-5-11. Sacramento River at Rio Vista Salinity, May Electrical Conductivity



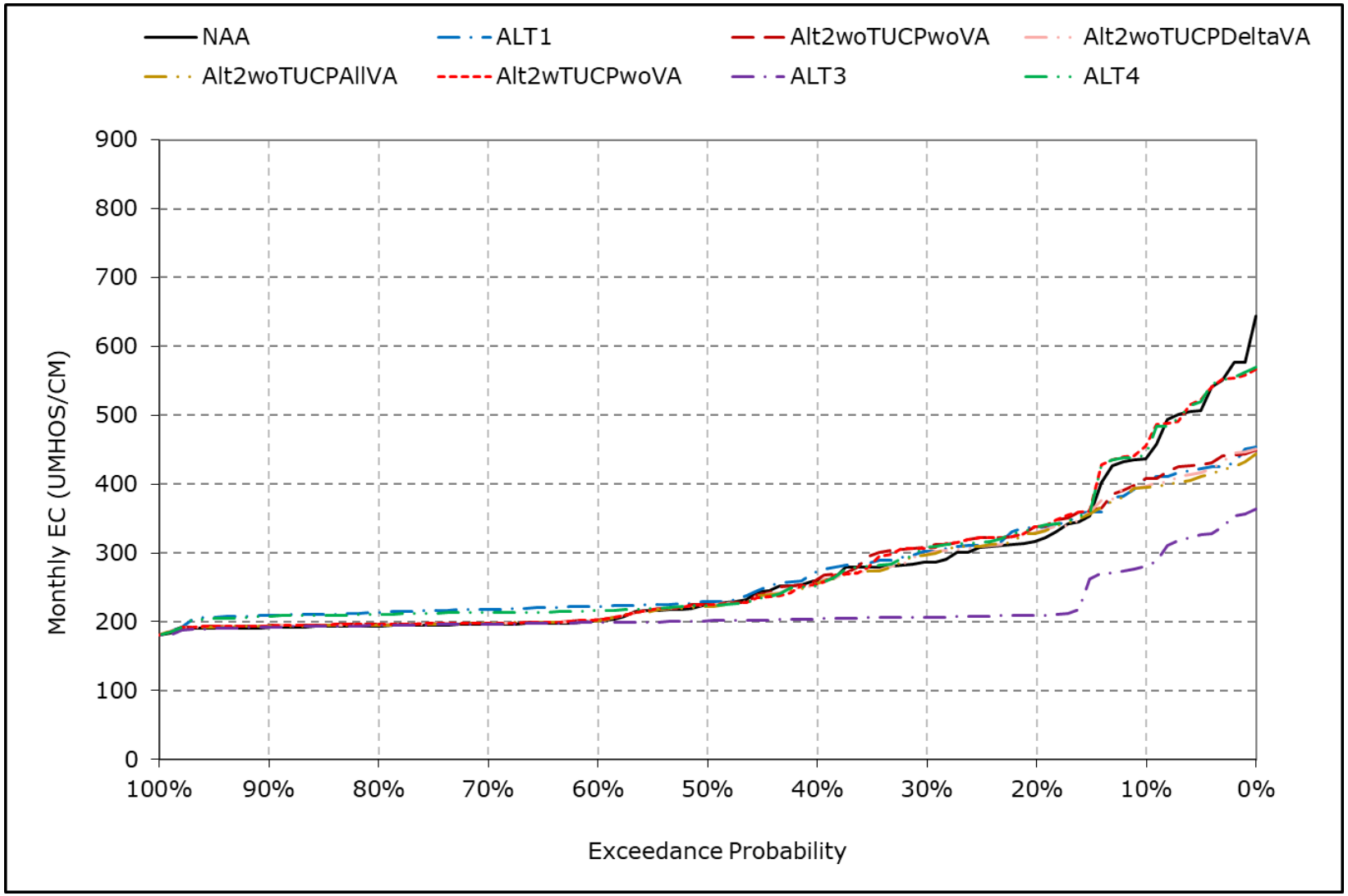
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-5-12. Sacramento River at Rio Vista Salinity, June Electrical Conductivity



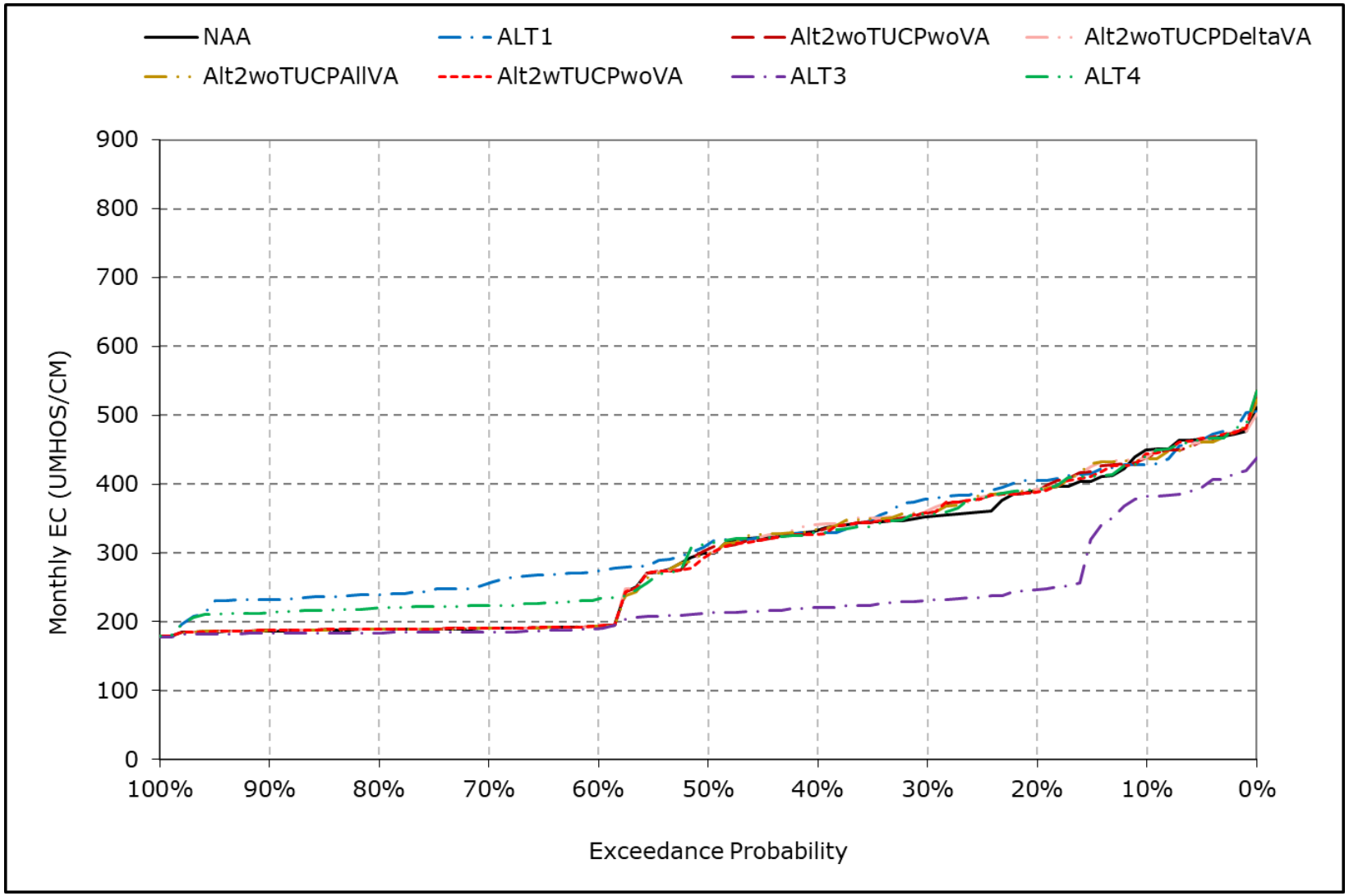
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-5-13. Sacramento River at Rio Vista Salinity, July Electrical Conductivity



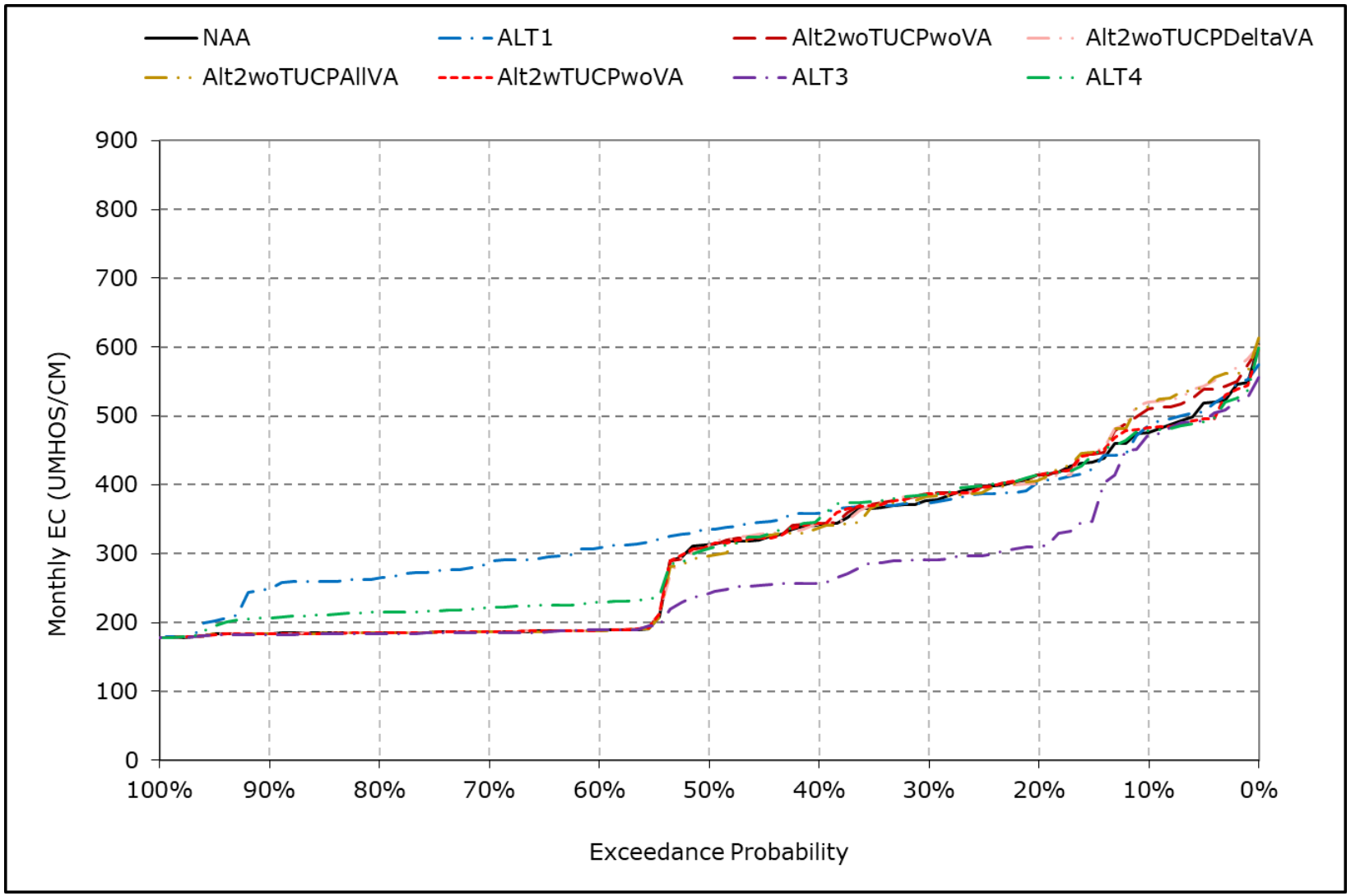
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-5-14. Sacramento River at Rio Vista Salinity, August Electrical Conductivity



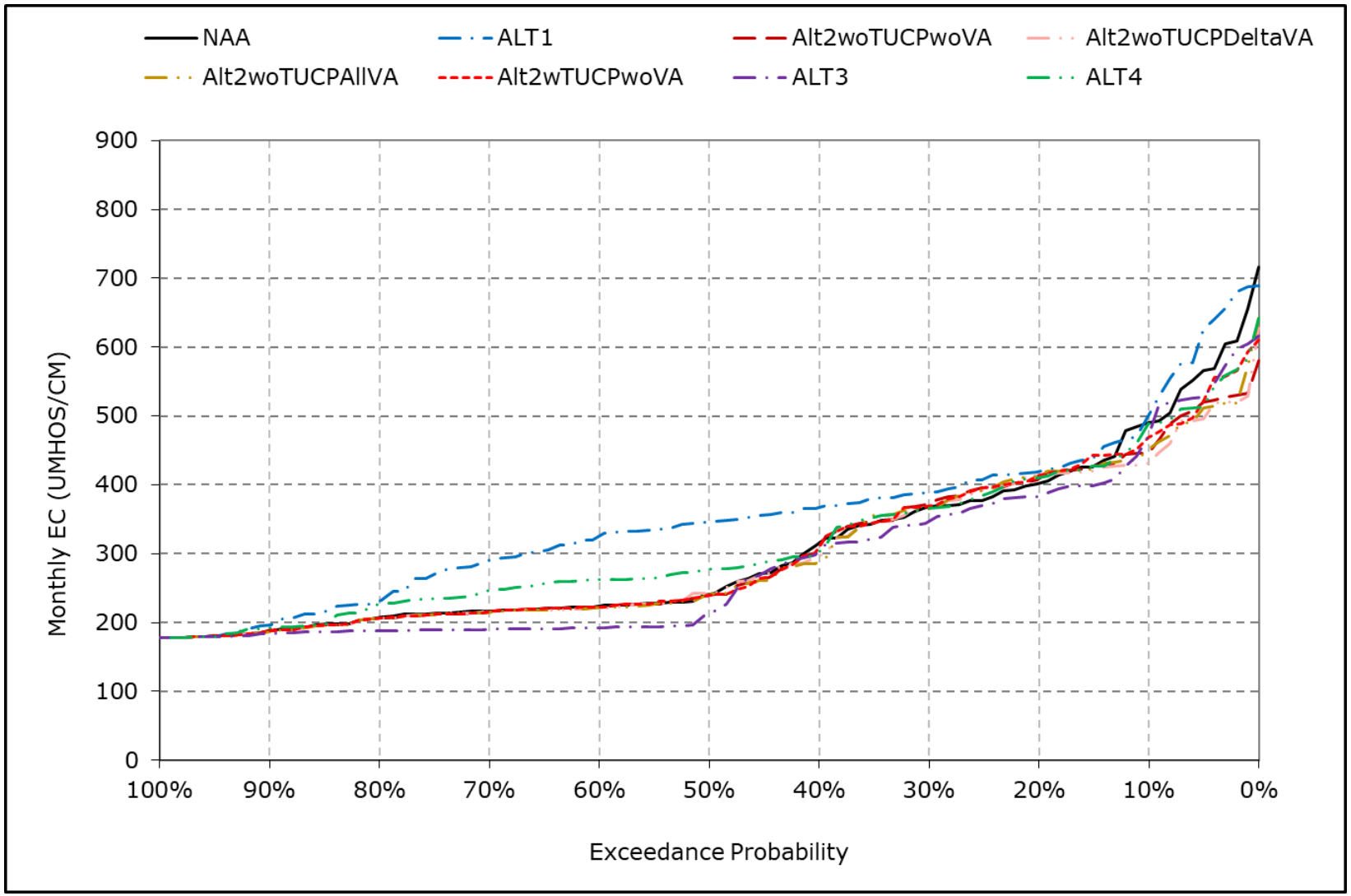
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-5-15. Sacramento River at Rio Vista Salinity, September Electrical Conductivity



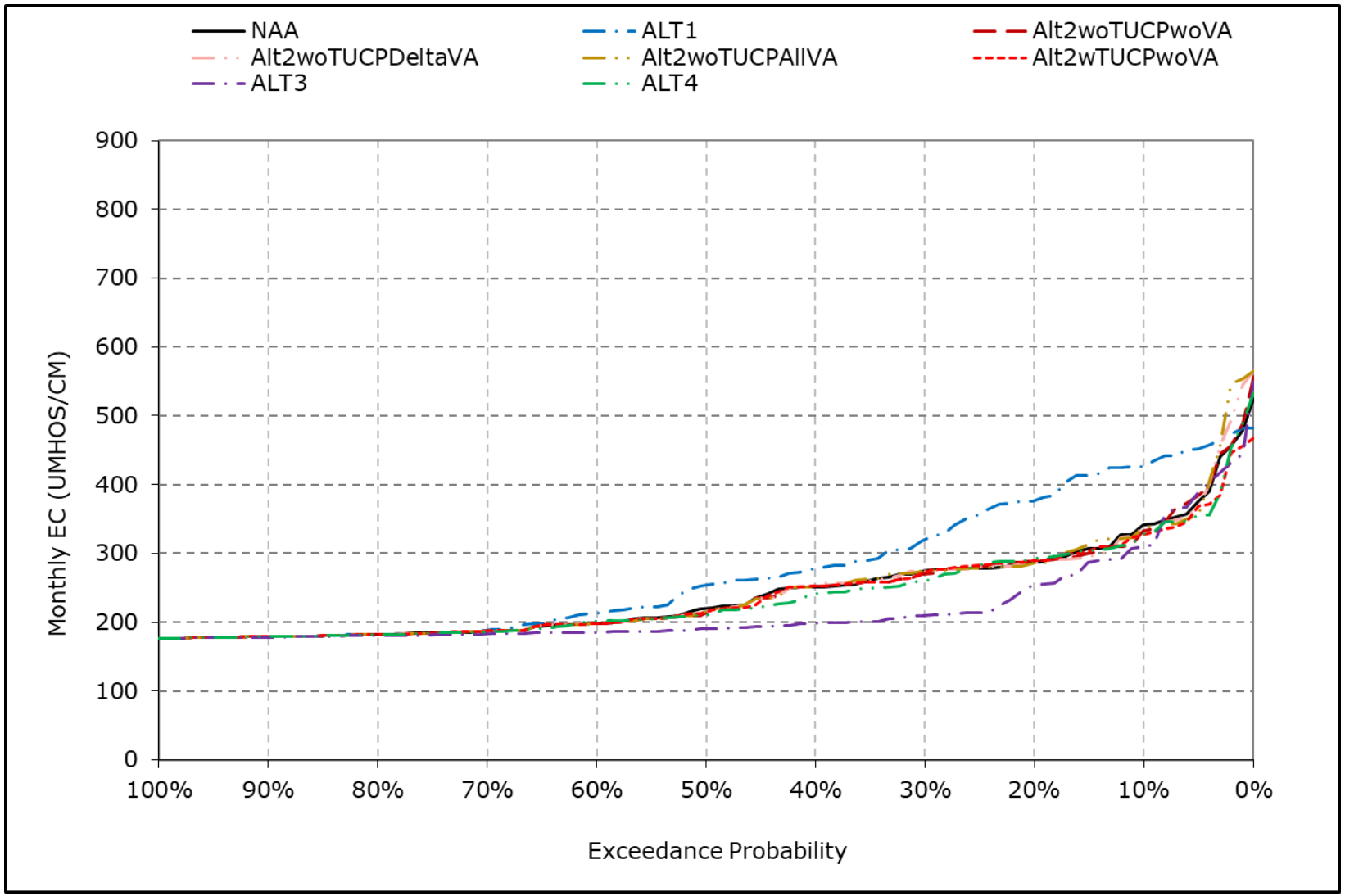
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-5-16. Sacramento River at Rio Vista Salinity, October Electrical Conductivity



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

Figure F.2.5-5-17. Sacramento River at Rio Vista Salinity, November Electrical Conductivity



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

Figure F.2.5-5-18. Sacramento River at Rio Vista Salinity, December Electrical Conductivity

Table F.2.5-6-1a. San Joaquin River at Vernalis Salinity (40-30-30), No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	692	768	787	770	740	822	609	553	610	644	630	634
20% Exceedance	676	747	743	717	715	807	601	536	596	638	626	628
30% Exceedance	671	738	729	706	703	786	587	521	587	615	615	622
40% Exceedance	664	732	719	698	692	762	572	502	574	603	609	616
50% Exceedance	648	724	711	687	681	736	515	452	547	596	600	601
60% Exceedance	635	711	698	673	622	571	413	391	505	573	586	589
70% Exceedance	617	698	687	636	543	403	350	336	480	563	571	582
80% Exceedance	567	680	664	529	312	326	287	243	388	535	559	567
90% Exceedance	507	646	579	274	173	215	184	112	271	478	525	480
Full Simulation Period Average[a]	624	712	682	625	573	590	448	398	492	574	583	586
Wet Water Years (28%)	548	650	612	486	381	318	246	211	343	495	522	521
Above Normal Years (14%)	615	714	721	652	558	513	422	383	475	565	579	586
Below Normal Years (18%)	648	746	696	655	591	646	477	431	522	585	596	605
Dry Water Years (24%)	667	738	692	685	693	770	576	502	583	619	615	615
Critical Water Years (16%)	680	743	742	719	719	799	599	545	597	639	628	634

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

Table F.2.5-6-1b. San Joaquin River at Vernalis Salinity (40-30-30), Alternative 1, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	707	786	779	775	742	822	612	556	600	637	624	629
20% Exceedance	697	761	743	716	718	804	582	515	591	630	618	624
30% Exceedance	687	751	730	706	701	779	564	486	569	607	608	619
40% Exceedance	678	742	720	696	688	754	541	469	557	593	601	609
50% Exceedance	669	734	709	687	673	727	517	436	531	585	593	596
60% Exceedance	655	724	699	662	610	543	427	388	504	571	581	586
70% Exceedance	638	713	681	624	540	411	353	344	480	554	568	576
80% Exceedance	581	686	657	492	314	335	284	239	379	531	552	563
90% Exceedance	517	643	585	304	171	214	184	113	265	472	520	486
Full Simulation Period Average[a]	640	720	682	622	570	587	441	389	484	567	578	583
Wet Water Years (28%)	560	652	607	487	379	320	249	211	336	491	522	520
Above Normal Years (14%)	631	725	727	642	563	516	420	381	470	559	571	579
Below Normal Years (18%)	666	756	693	652	587	641	463	416	512	577	589	603
Dry Water Years (24%)	687	748	693	682	689	763	556	481	571	609	609	613
Critical Water Years (16%)	696	754	746	719	714	791	595	543	594	634	624	629

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

Table F.2.5-6-1c. San Joaquin River at Vernalis Salinity (40-30-30), Alternative 1 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

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

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

Table F.2.5-6-2a. San Joaquin River at Vernalis Salinity (40-30-30), No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	692	768	787	770	740	822	609	553	610	644	630	634
20% Exceedance	676	747	743	717	715	807	601	536	596	638	626	628
30% Exceedance	671	738	729	706	703	786	587	521	587	615	615	622
40% Exceedance	664	732	719	698	692	762	572	502	574	603	609	616
50% Exceedance	648	724	711	687	681	736	515	452	547	596	600	601
60% Exceedance	635	711	698	673	622	571	413	391	505	573	586	589
70% Exceedance	617	698	687	636	543	403	350	336	480	563	571	582
80% Exceedance	567	680	664	529	312	326	287	243	388	535	559	567
90% Exceedance	507	646	579	274	173	215	184	112	271	478	525	480
Full Simulation Period Average[a]	624	712	682	625	573	590	448	398	492	574	583	586
Wet Water Years (28%)	548	650	612	486	381	318	246	211	343	495	522	521
Above Normal Years (14%)	615	714	721	652	558	513	422	383	475	565	579	586
Below Normal Years (18%)	648	746	696	655	591	646	477	431	522	585	596	605
Dry Water Years (24%)	667	738	692	685	693	770	576	502	583	619	615	615
Critical Water Years (16%)	680	743	742	719	719	799	599	545	597	639	628	634

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

Table F.2.5-6-2b. San Joaquin River at Vernalis Salinity (40-30-30), Alt2woTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	692	763	786	771	732	820	607	552	607	643	632	631
20% Exceedance	678	751	744	716	714	804	600	537	595	636	621	627
30% Exceedance	668	737	730	707	699	783	589	521	588	612	613	621
40% Exceedance	661	733	719	700	689	760	576	509	578	604	606	612
50% Exceedance	650	724	712	687	678	741	514	460	547	594	598	599
60% Exceedance	636	714	700	674	619	550	412	401	506	577	584	588
70% Exceedance	619	698	687	636	540	400	354	344	487	559	568	582
80% Exceedance	565	681	662	510	309	326	286	243	399	535	554	567
90% Exceedance	504	645	576	275	173	212	179	112	271	478	507	470
Full Simulation Period Average[a]	624	712	682	626	569	589	450	401	493	573	579	584
Wet Water Years (28%)	548	650	610	485	375	319	248	213	347	498	522	520
Above Normal Years (14%)	615	716	722	661	559	514	423	386	479	567	580	586
Below Normal Years (18%)	648	746	696	653	587	643	482	440	528	588	595	602
Dry Water Years (24%)	669	740	692	686	689	767	578	505	585	621	615	616
Critical Water Years (16%)	675	740	740	720	716	797	598	545	585	619	606	625

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

Table F.2.5-6-2c. San Joaquin River at Vernalis Salinity (40-30-30), Alt2woTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

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

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

Table F.2.5-6-3a. San Joaquin River at Vernalis Salinity (40-30-30), No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	692	768	787	770	740	822	609	553	610	644	630	634
20% Exceedance	676	747	743	717	715	807	601	536	596	638	626	628
30% Exceedance	671	738	729	706	703	786	587	521	587	615	615	622
40% Exceedance	664	732	719	698	692	762	572	502	574	603	609	616
50% Exceedance	648	724	711	687	681	736	515	452	547	596	600	601
60% Exceedance	635	711	698	673	622	571	413	391	505	573	586	589
70% Exceedance	617	698	687	636	543	403	350	336	480	563	571	582
80% Exceedance	567	680	664	529	312	326	287	243	388	535	559	567
90% Exceedance	507	646	579	274	173	215	184	112	271	478	525	480
Full Simulation Period Average[a]	624	712	682	625	573	590	448	398	492	574	583	586
Wet Water Years (28%)	548	650	612	486	381	318	246	211	343	495	522	521
Above Normal Years (14%)	615	714	721	652	558	513	422	383	475	565	579	586
Below Normal Years (18%)	648	746	696	655	591	646	477	431	522	585	596	605
Dry Water Years (24%)	667	738	692	685	693	770	576	502	583	619	615	615
Critical Water Years (16%)	680	743	742	719	719	799	599	545	597	639	628	634

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

Table F.2.5-6-3b. San Joaquin River at Vernalis Salinity (40-30-30), Alt2woTUCPDeltaVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	691	763	785	772	732	821	607	552	607	643	632	634
20% Exceedance	680	747	742	716	714	804	600	537	595	636	622	626
30% Exceedance	669	738	729	707	699	784	589	521	588	612	613	620
40% Exceedance	661	732	721	701	689	760	576	509	578	604	606	610
50% Exceedance	648	724	712	687	678	741	515	460	547	594	599	599
60% Exceedance	637	715	700	674	619	550	412	401	506	577	584	588
70% Exceedance	619	698	686	637	540	400	354	344	487	559	568	582
80% Exceedance	565	681	662	510	309	326	286	243	399	535	554	567
90% Exceedance	504	645	576	275	173	212	179	112	271	478	507	470
Full Simulation Period Average[a]	624	712	681	626	569	589	450	401	493	573	579	584
Wet Water Years (28%)	548	650	610	485	375	319	249	213	347	498	522	520
Above Normal Years (14%)	614	715	722	661	559	514	423	387	479	567	580	585
Below Normal Years (18%)	649	747	696	653	587	644	482	440	528	589	596	603
Dry Water Years (24%)	668	740	691	686	689	768	579	505	585	621	616	616
Critical Water Years (16%)	675	738	739	720	716	797	598	545	585	619	606	625

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

Table F.2.5-6-3c. San Joaquin River at Vernalis Salinity (40-30-30), Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

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

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

Table F.2.5-6-4a. San Joaquin River at Vernalis Salinity (40-30-30), No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	692	768	787	770	740	822	609	553	610	644	630	634
20% Exceedance	676	747	743	717	715	807	601	536	596	638	626	628
30% Exceedance	671	738	729	706	703	786	587	521	587	615	615	622
40% Exceedance	664	732	719	698	692	762	572	502	574	603	609	616
50% Exceedance	648	724	711	687	681	736	515	452	547	596	600	601
60% Exceedance	635	711	698	673	622	571	413	391	505	573	586	589
70% Exceedance	617	698	687	636	543	403	350	336	480	563	571	582
80% Exceedance	567	680	664	529	312	326	287	243	388	535	559	567
90% Exceedance	507	646	579	274	173	215	184	112	271	478	525	480
Full Simulation Period Average[a]	624	712	682	625	573	590	448	398	492	574	583	586
Wet Water Years (28%)	548	650	612	486	381	318	246	211	343	495	522	521
Above Normal Years (14%)	615	714	721	652	558	513	422	383	475	565	579	586
Below Normal Years (18%)	648	746	696	655	591	646	477	431	522	585	596	605
Dry Water Years (24%)	667	738	692	685	693	770	576	502	583	619	615	615
Critical Water Years (16%)	680	743	742	719	719	799	599	545	597	639	628	634

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

Table F.2.5-6-4b. San Joaquin River at Vernalis Salinity (40-30-30), Alt2woTUCPAllVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	692	764	787	771	732	821	608	552	606	641	631	631
20% Exceedance	678	749	744	716	713	804	601	537	595	636	623	628
30% Exceedance	672	740	730	708	699	784	589	521	588	613	614	620
40% Exceedance	661	734	719	700	689	760	576	509	580	605	607	612
50% Exceedance	650	724	712	687	678	733	515	460	547	596	599	601
60% Exceedance	636	714	700	674	618	550	412	401	506	580	585	589
70% Exceedance	619	698	688	632	540	400	354	344	487	560	571	582
80% Exceedance	565	681	662	510	309	326	286	243	399	536	556	567
90% Exceedance	504	645	576	275	173	212	179	112	271	478	507	470
Full Simulation Period Average[a]	624	712	681	625	568	588	450	401	494	574	580	584
Wet Water Years (28%)	548	650	610	485	374	316	248	213	347	498	522	520
Above Normal Years (14%)	615	716	722	659	557	513	423	386	479	567	579	585
Below Normal Years (18%)	649	747	696	653	586	644	482	440	528	588	595	602
Dry Water Years (24%)	668	739	690	686	689	768	579	505	585	621	616	615
Critical Water Years (16%)	677	740	740	719	716	797	598	545	589	626	613	627

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

Table F.2.5-6-4c. San Joaquin River at Vernalis Salinity (40-30-30), Alt2woTUCPAllVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

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

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

Table F.2.5-6-5a. San Joaquin River at Vernalis Salinity (40-30-30), No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	692	768	787	770	740	822	609	553	610	644	630	634
20% Exceedance	676	747	743	717	715	807	601	536	596	638	626	628
30% Exceedance	671	738	729	706	703	786	587	521	587	615	615	622
40% Exceedance	664	732	719	698	692	762	572	502	574	603	609	616
50% Exceedance	648	724	711	687	681	736	515	452	547	596	600	601
60% Exceedance	635	711	698	673	622	571	413	391	505	573	586	589
70% Exceedance	617	698	687	636	543	403	350	336	480	563	571	582
80% Exceedance	567	680	664	529	312	326	287	243	388	535	559	567
90% Exceedance	507	646	579	274	173	215	184	112	271	478	525	480
Full Simulation Period Average[a]	624	712	682	625	573	590	448	398	492	574	583	586
Wet Water Years (28%)	548	650	612	486	381	318	246	211	343	495	522	521
Above Normal Years (14%)	615	714	721	652	558	513	422	383	475	565	579	586
Below Normal Years (18%)	648	746	696	655	591	646	477	431	522	585	596	605
Dry Water Years (24%)	667	738	692	685	693	770	576	502	583	619	615	615
Critical Water Years (16%)	680	743	742	719	719	799	599	545	597	639	628	634

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

Table F.2.5-6-5b. San Joaquin River at Vernalis Salinity (40-30-30), Alt2wTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	692	764	789	771	732	820	607	552	606	645	632	632
20% Exceedance	679	751	745	719	713	804	600	537	595	638	624	628
30% Exceedance	672	741	730	707	699	783	589	521	588	613	614	623
40% Exceedance	662	735	721	701	689	760	576	509	579	605	607	612
50% Exceedance	650	726	712	688	678	733	514	458	547	597	598	601
60% Exceedance	636	713	700	674	619	550	412	401	506	580	585	589
70% Exceedance	619	698	687	632	541	400	354	344	487	561	571	582
80% Exceedance	565	680	662	510	309	326	286	243	399	536	556	567
90% Exceedance	504	645	576	275	173	212	179	112	271	478	507	470
Full Simulation Period Average[a]	625	713	682	626	568	588	450	401	494	574	580	584
Wet Water Years (28%)	548	650	610	486	374	316	248	213	347	498	522	520
Above Normal Years (14%)	617	716	722	659	557	513	423	386	479	567	579	587
Below Normal Years (18%)	649	747	696	653	587	643	482	439	528	588	595	602
Dry Water Years (24%)	668	739	691	686	689	767	578	505	585	620	615	615
Critical Water Years (16%)	678	744	744	721	716	797	598	545	589	627	614	628

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

Table F.2.5-6-5c. San Joaquin River at Vernalis Salinity (40-30-30), Alt2wTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

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

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

Table F.2.5-6-6a. San Joaquin River at Vernalis Salinity (40-30-30), No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	692	768	787	770	740	822	609	553	610	644	630	634
20% Exceedance	676	747	743	717	715	807	601	536	596	638	626	628
30% Exceedance	671	738	729	706	703	786	587	521	587	615	615	622
40% Exceedance	664	732	719	698	692	762	572	502	574	603	609	616
50% Exceedance	648	724	711	687	681	736	515	452	547	596	600	601
60% Exceedance	635	711	698	673	622	571	413	391	505	573	586	589
70% Exceedance	617	698	687	636	543	403	350	336	480	563	571	582
80% Exceedance	567	680	664	529	312	326	287	243	388	535	559	567
90% Exceedance	507	646	579	274	173	215	184	112	271	478	525	480
Full Simulation Period Average[a]	624	712	682	625	573	590	448	398	492	574	583	586
Wet Water Years (28%)	548	650	612	486	381	318	246	211	343	495	522	521
Above Normal Years (14%)	615	714	721	652	558	513	422	383	475	565	579	586
Below Normal Years (18%)	648	746	696	655	591	646	477	431	522	585	596	605
Dry Water Years (24%)	667	738	692	685	693	770	576	502	583	619	615	615
Critical Water Years (16%)	680	743	742	719	719	799	599	545	597	639	628	634

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

Table F.2.5-6-6b. San Joaquin River at Vernalis Salinity (40-30-30), Alternative 3, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	694	771	793	772	729	822	609	556	605	644	633	640
20% Exceedance	679	751	746	720	707	803	600	541	598	634	626	628
30% Exceedance	671	741	729	707	697	779	584	526	589	620	620	624
40% Exceedance	664	735	722	699	685	749	519	459	552	612	616	621
50% Exceedance	654	726	715	690	664	654	471	409	527	599	607	613
60% Exceedance	645	715	701	677	588	488	407	382	512	584	600	598
70% Exceedance	624	703	690	635	522	378	334	329	481	569	589	587
80% Exceedance	575	686	658	532	313	313	281	213	362	540	566	569
90% Exceedance	519	647	580	296	173	215	157	100	227	469	534	523
Full Simulation Period Average[a]	629	716	687	629	559	568	430	387	483	576	592	593
Wet Water Years (28%)	556	654	614	491	354	290	230	199	323	494	540	534
Above Normal Years (14%)	619	717	727	663	534	468	382	358	468	573	593	597
Below Normal Years (18%)	652	751	711	655	588	623	453	423	520	592	602	608
Dry Water Years (24%)	670	742	695	687	682	754	559	489	577	622	620	619
Critical Water Years (16%)	684	745	743	721	723	802	602	549	596	637	630	637

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

Table F.2.5-6-6c. San Joaquin River at Vernalis Salinity (40-30-30), Alternative 3 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2	3	7	2	-10	0	1	3	-6	-1	3	6
20% Exceedance	3	4	3	3	-7	-4	-1	4	2	-4	0	0
30% Exceedance	0	3	0	0	-6	-7	-2	5	2	4	5	2
40% Exceedance	0	3	3	0	-7	-13	-53	-43	-22	9	7	5
50% Exceedance	6	2	4	4	-18	-83	-44	-43	-19	3	7	11
60% Exceedance	10	4	4	4	-34	-83	-6	-9	7	11	15	9
70% Exceedance	7	4	3	-1	-21	-24	-16	-7	1	6	18	5
80% Exceedance	8	6	-5	4	1	-13	-6	-31	-26	6	7	2
90% Exceedance	12	1	0	22	0	0	-26	-12	-44	-9	9	44
Full Simulation Period Average[a]	5	4	5	4	-13	-21	-18	-11	-8	3	9	7
Wet Water Years (28%)	8	4	2	5	-26	-28	-16	-12	-21	0	18	14
Above Normal Years (14%)	5	3	6	11	-24	-45	-40	-25	-7	8	14	10
Below Normal Years (18%)	4	5	14	1	-3	-23	-24	-8	-2	7	6	3
Dry Water Years (24%)	3	4	3	2	-11	-15	-17	-13	-5	3	5	5
Critical Water Years (16%)	5	2	1	3	3	3	3	4	-1	-2	2	3

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

Table F.2.5-6-7a. San Joaquin River at Vernalis Salinity (40-30-30), No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	692	768	787	770	740	822	609	553	610	644	630	634
20% Exceedance	676	747	743	717	715	807	601	536	596	638	626	628
30% Exceedance	671	738	729	706	703	786	587	521	587	615	615	622
40% Exceedance	664	732	719	698	692	762	572	502	574	603	609	616
50% Exceedance	648	724	711	687	681	736	515	452	547	596	600	601
60% Exceedance	635	711	698	673	622	571	413	391	505	573	586	589
70% Exceedance	617	698	687	636	543	403	350	336	480	563	571	582
80% Exceedance	567	680	664	529	312	326	287	243	388	535	559	567
90% Exceedance	507	646	579	274	173	215	184	112	271	478	525	480
Full Simulation Period Average[a]	624	712	682	625	573	590	448	398	492	574	583	586
Wet Water Years (28%)	548	650	612	486	381	318	246	211	343	495	522	521
Above Normal Years (14%)	615	714	721	652	558	513	422	383	475	565	579	586
Below Normal Years (18%)	648	746	696	655	591	646	477	431	522	585	596	605
Dry Water Years (24%)	667	738	692	685	693	770	576	502	583	619	615	615
Critical Water Years (16%)	680	743	742	719	719	799	599	545	597	639	628	634

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

Table F.2.5-6-7b. San Joaquin River at Vernalis Salinity (40-30-30), Alternative 4, Monthly Electrical Conductivity (UMHOS/CM)

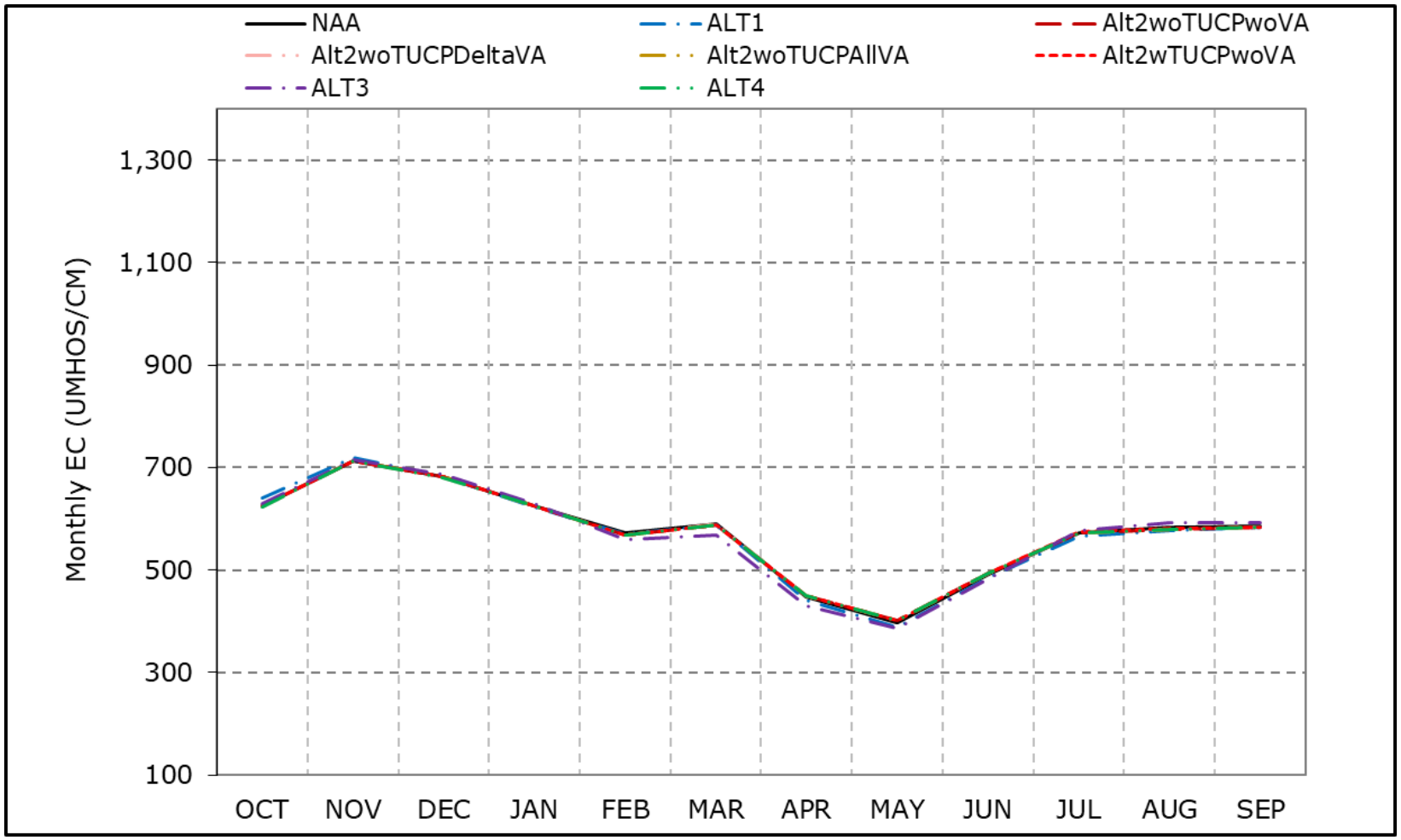
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	691	769	788	770	730	819	607	552	605	644	630	632
20% Exceedance	675	747	743	718	713	804	600	536	595	637	623	627
30% Exceedance	670	739	729	707	699	783	589	521	588	614	614	619
40% Exceedance	660	732	720	700	689	760	576	508	580	605	607	613
50% Exceedance	648	724	712	687	678	732	514	458	548	596	597	600
60% Exceedance	636	713	698	674	619	550	412	400	506	578	586	589
70% Exceedance	619	698	686	632	542	399	354	344	487	560	569	582
80% Exceedance	565	680	662	510	309	326	286	243	398	536	556	567
90% Exceedance	503	645	576	275	173	212	179	112	271	478	506	470
Full Simulation Period Average[a]	624	712	681	625	568	587	450	401	493	574	580	583
Wet Water Years (28%)	548	650	610	486	374	316	247	213	347	498	522	520
Above Normal Years (14%)	615	715	721	658	557	512	422	386	478	567	579	585
Below Normal Years (18%)	649	746	696	652	587	643	482	439	527	587	594	601
Dry Water Years (24%)	667	739	691	686	689	767	578	505	585	620	616	615
Critical Water Years (16%)	676	741	740	720	716	797	598	545	589	627	614	626

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

Table F.2.5-6-7c. San Joaquin River at Vernalis Salinity (40-30-30), Alternative 4 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

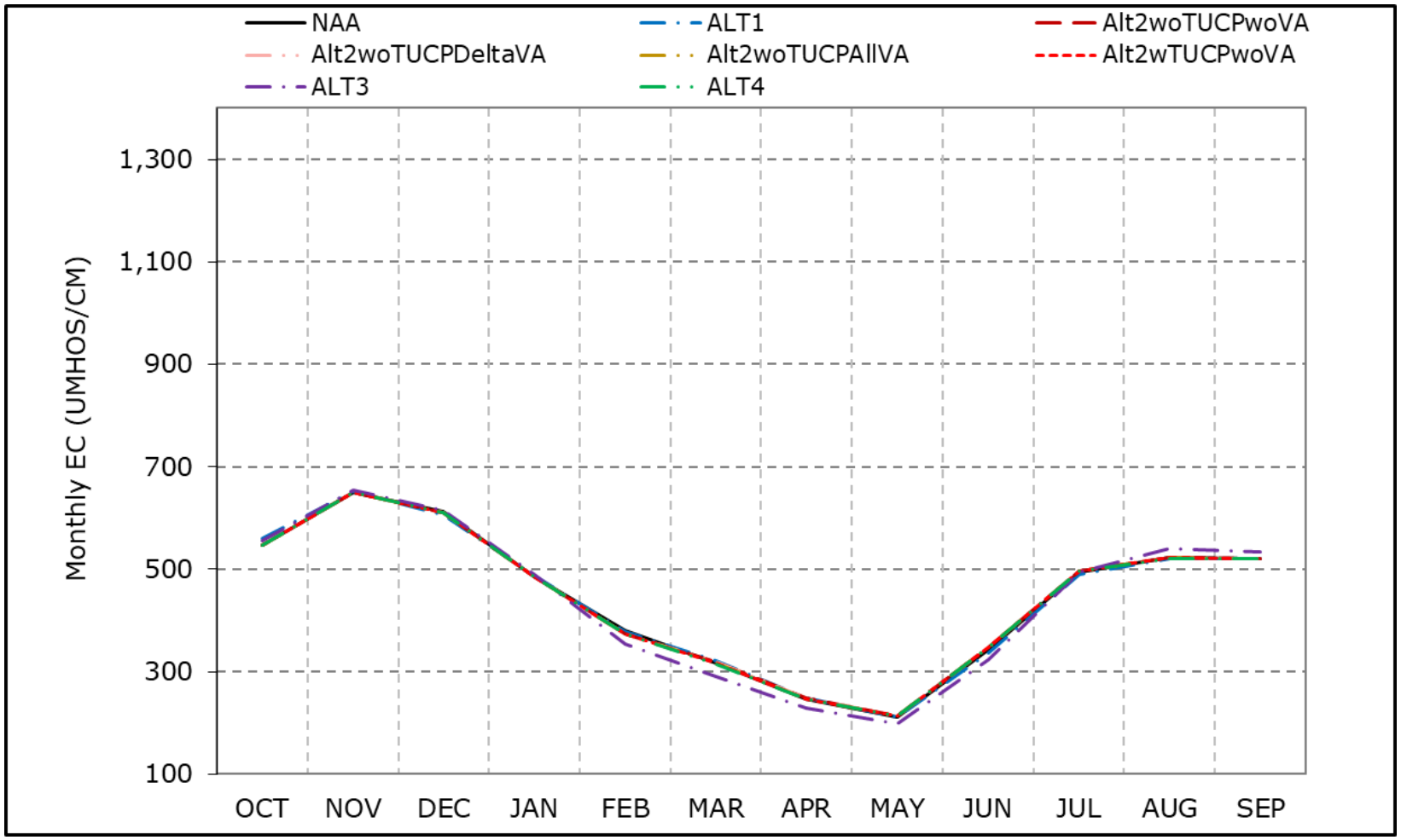
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1	1	1	-1	-9	-2	-1	-1	-5	-1	0	-2
20% Exceedance	-1	0	-1	1	-1	-3	-1	0	-1	-1	-3	-2
30% Exceedance	-1	1	0	1	-4	-3	2	0	0	-1	-1	-3
40% Exceedance	-3	1	1	2	-4	-3	4	7	5	2	-2	-3
50% Exceedance	0	0	1	0	-4	-5	-1	5	1	0	-3	-1
60% Exceedance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

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



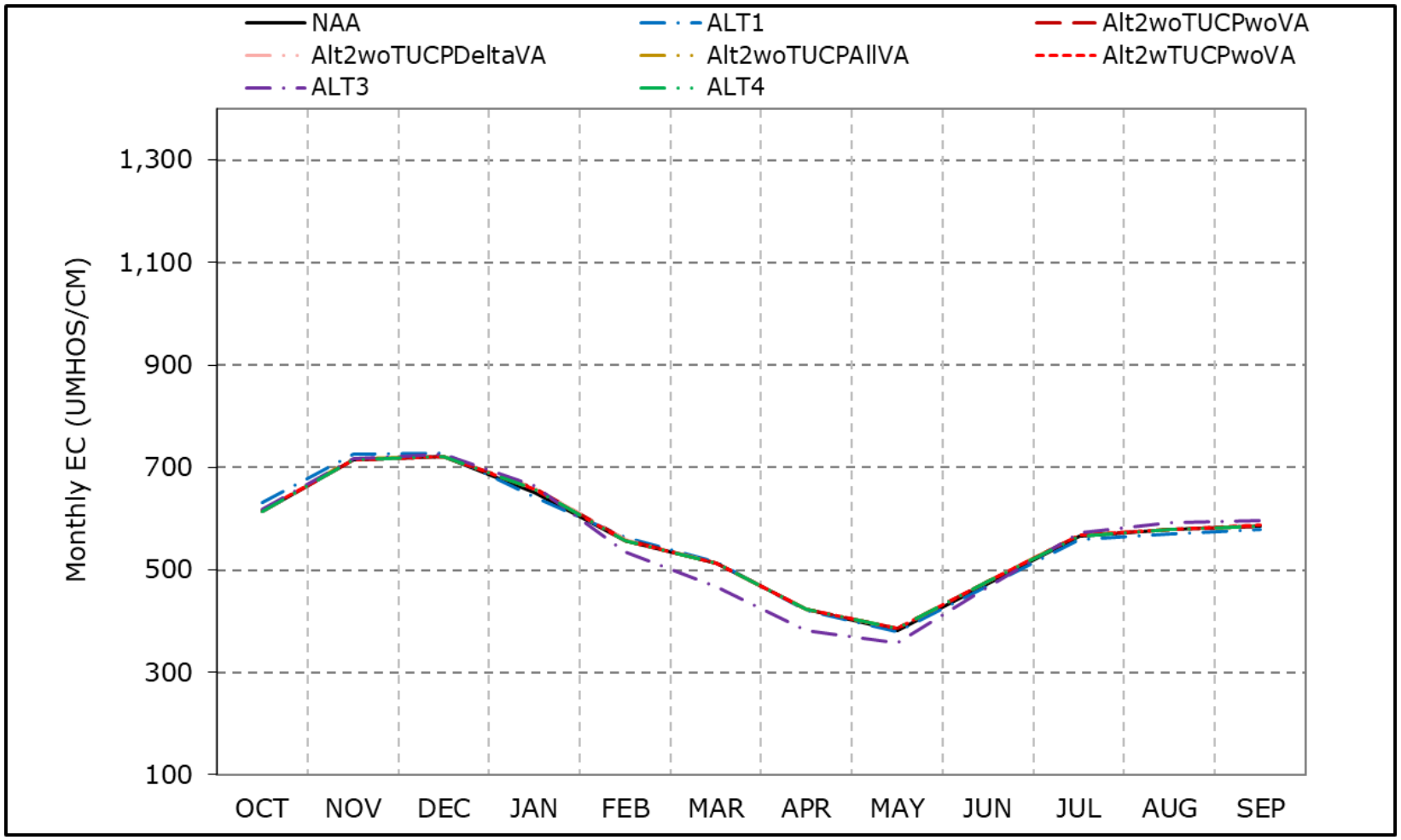
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-6-1. San Joaquin River at Vernalis Salinity (40-30-30), Long-Term Average Electrical Conductivity



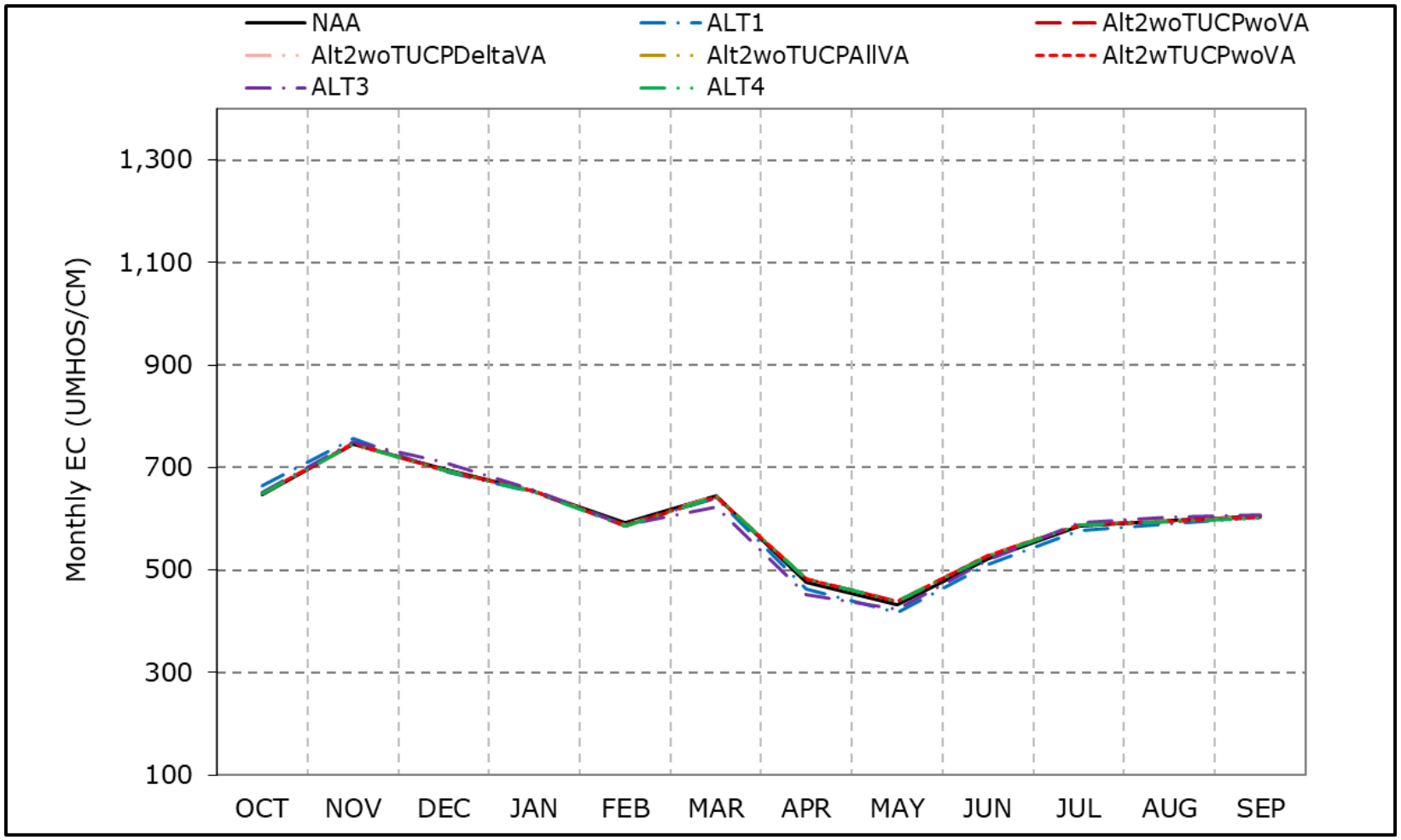
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-6-2. San Joaquin River at Vernalis Salinity (40-30-30), Wet Year Average Electrical Conductivity



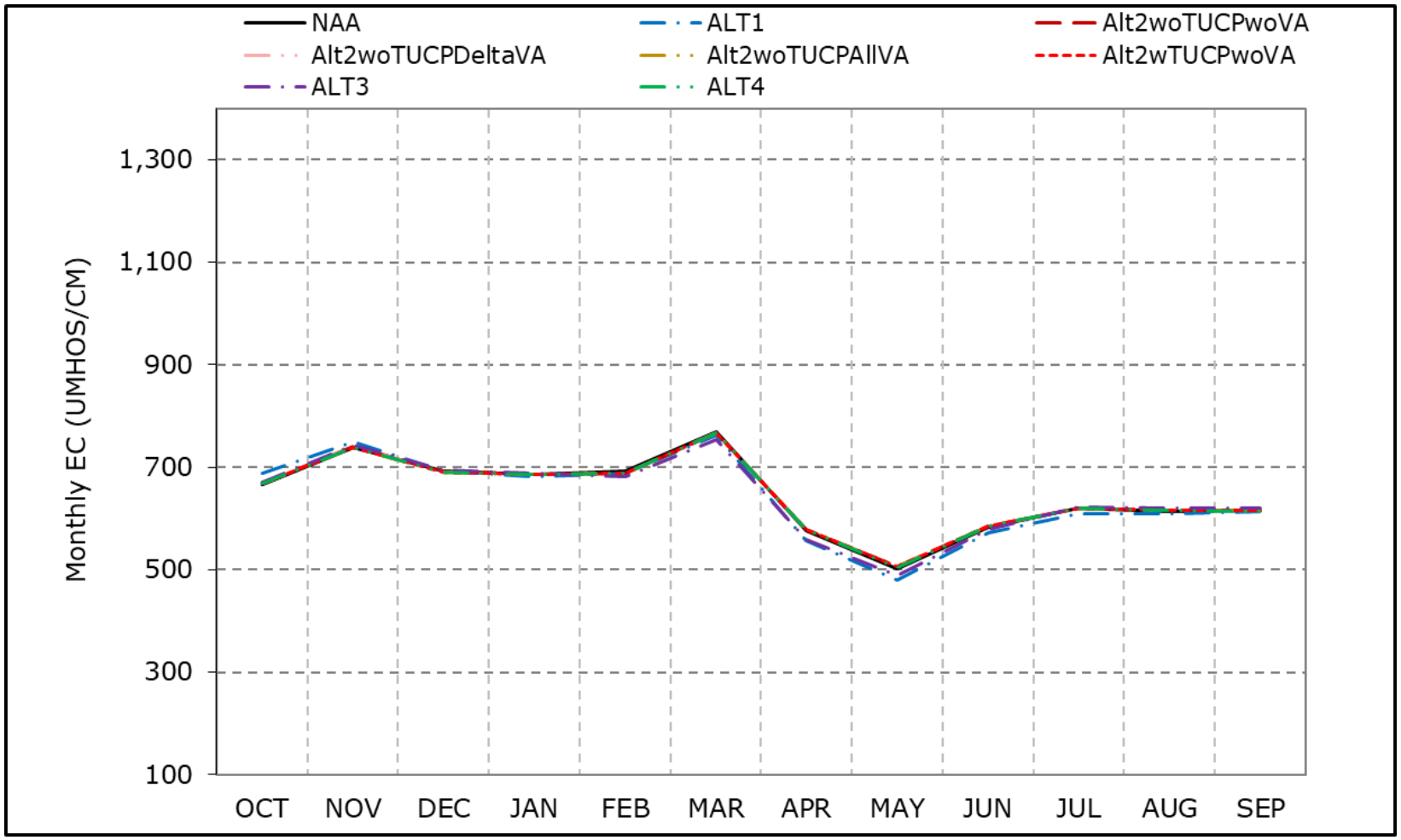
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-6-3. San Joaquin River at Vernalis Salinity (40-30-30), Above Normal Year Average Electrical Conductivity



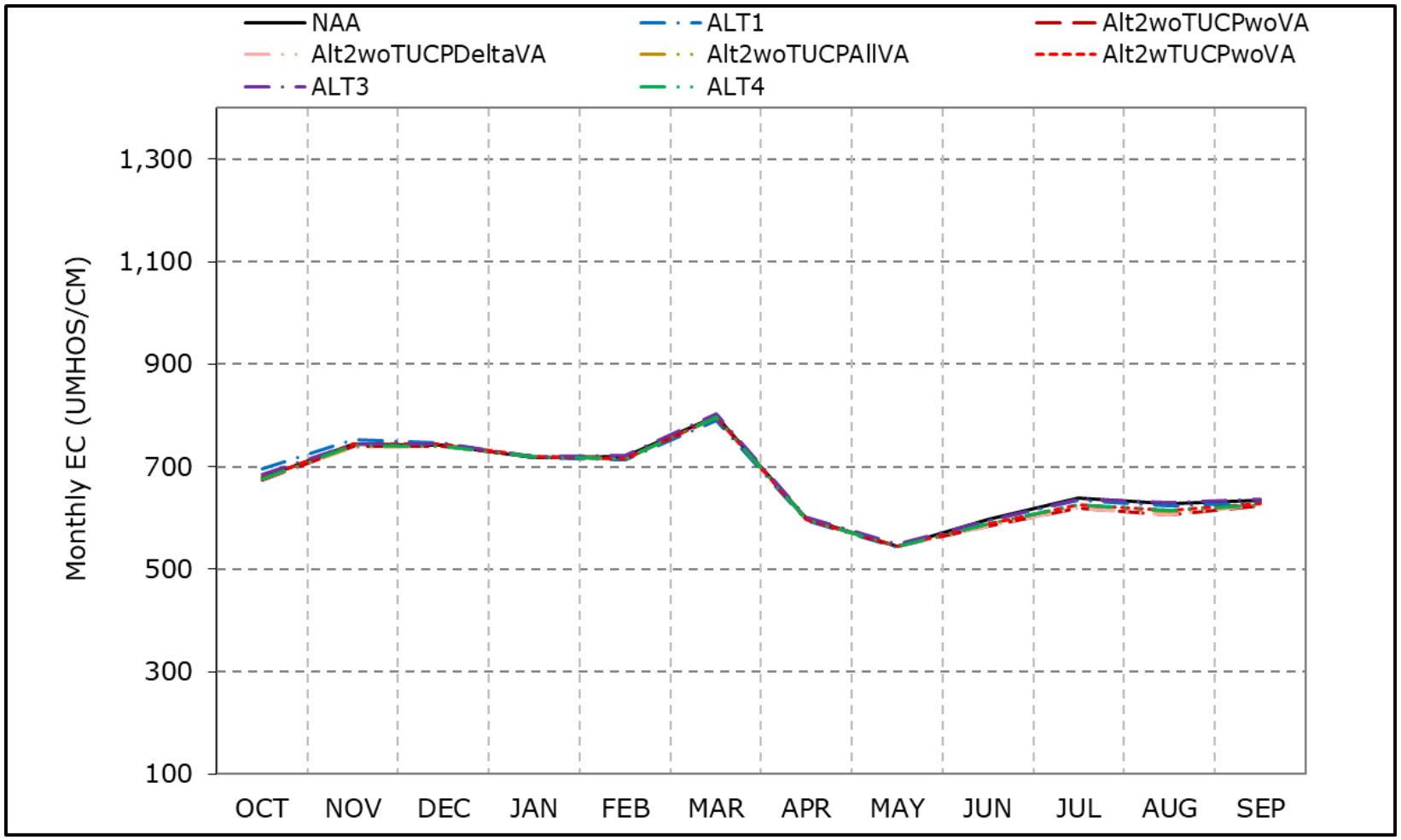
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-6-4. San Joaquin River at Vernalis Salinity (40-30-30), Below Normal Year Average Electrical Conductivity



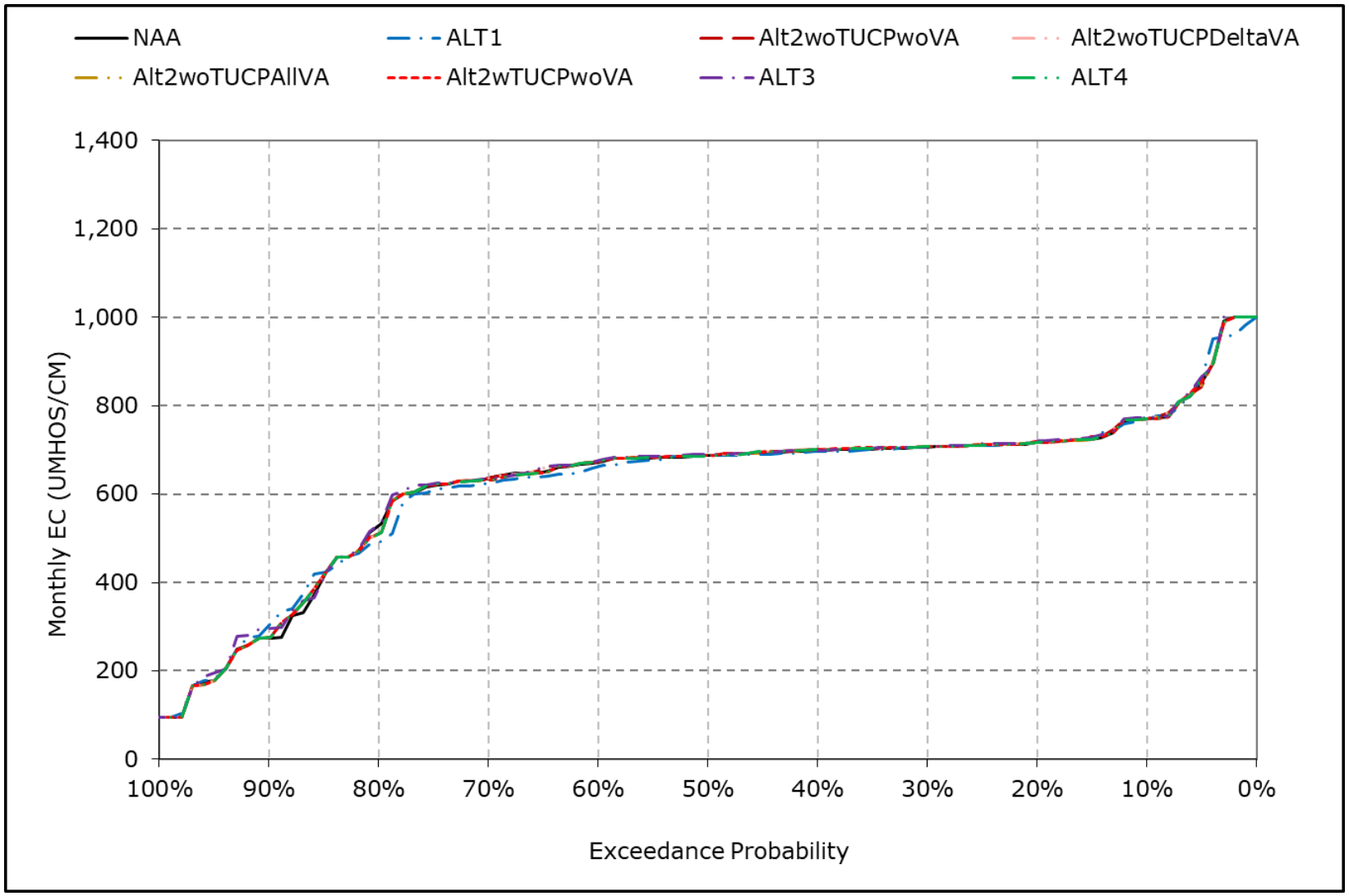
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-6-5. San Joaquin River at Vernalis Salinity (40-30-30), Dry Year Average Electrical Conductivity



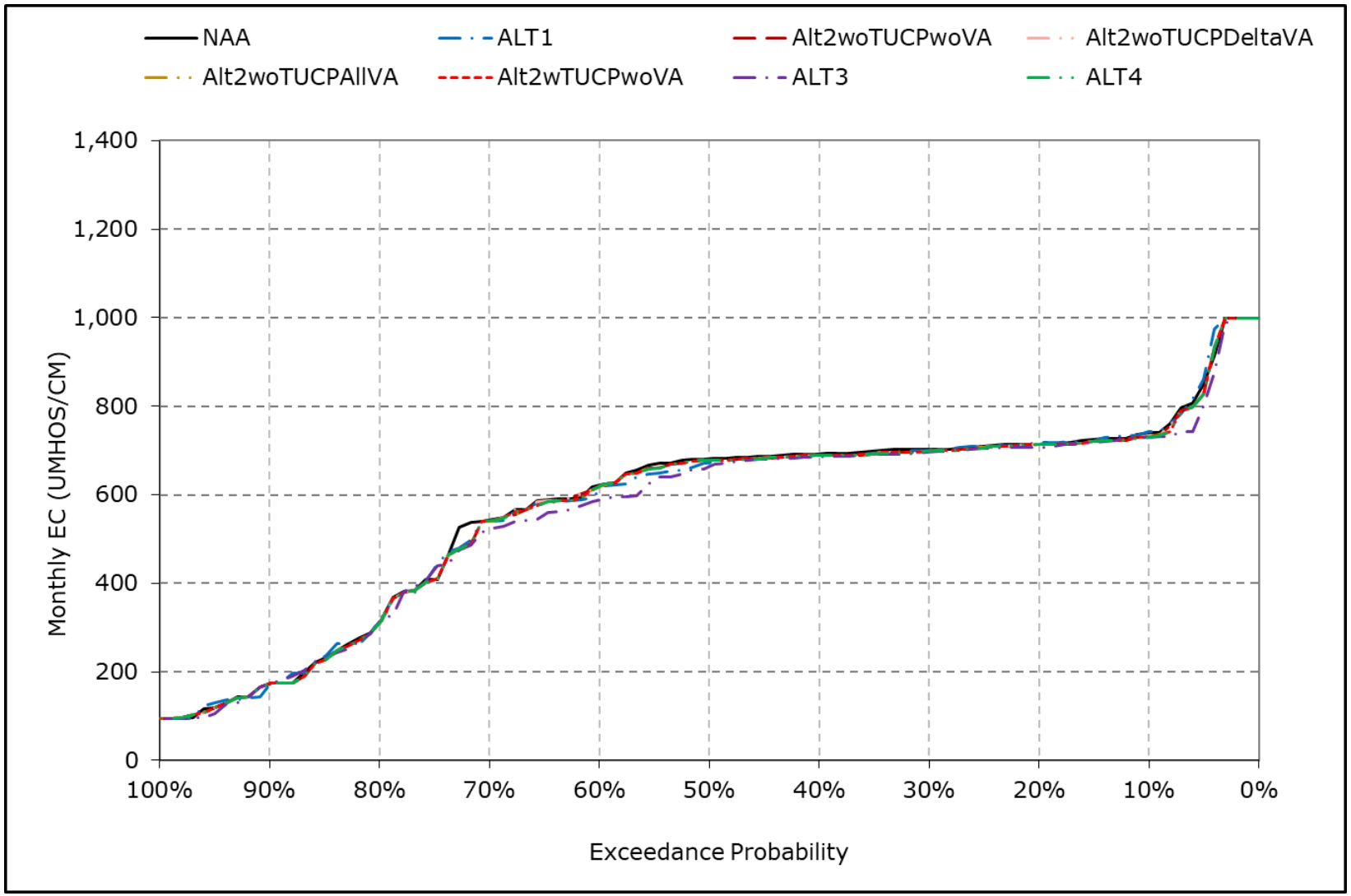
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-6-6. San Joaquin River at Vernalis Salinity (40-30-30), Critical Year Average Electrical Conductivity



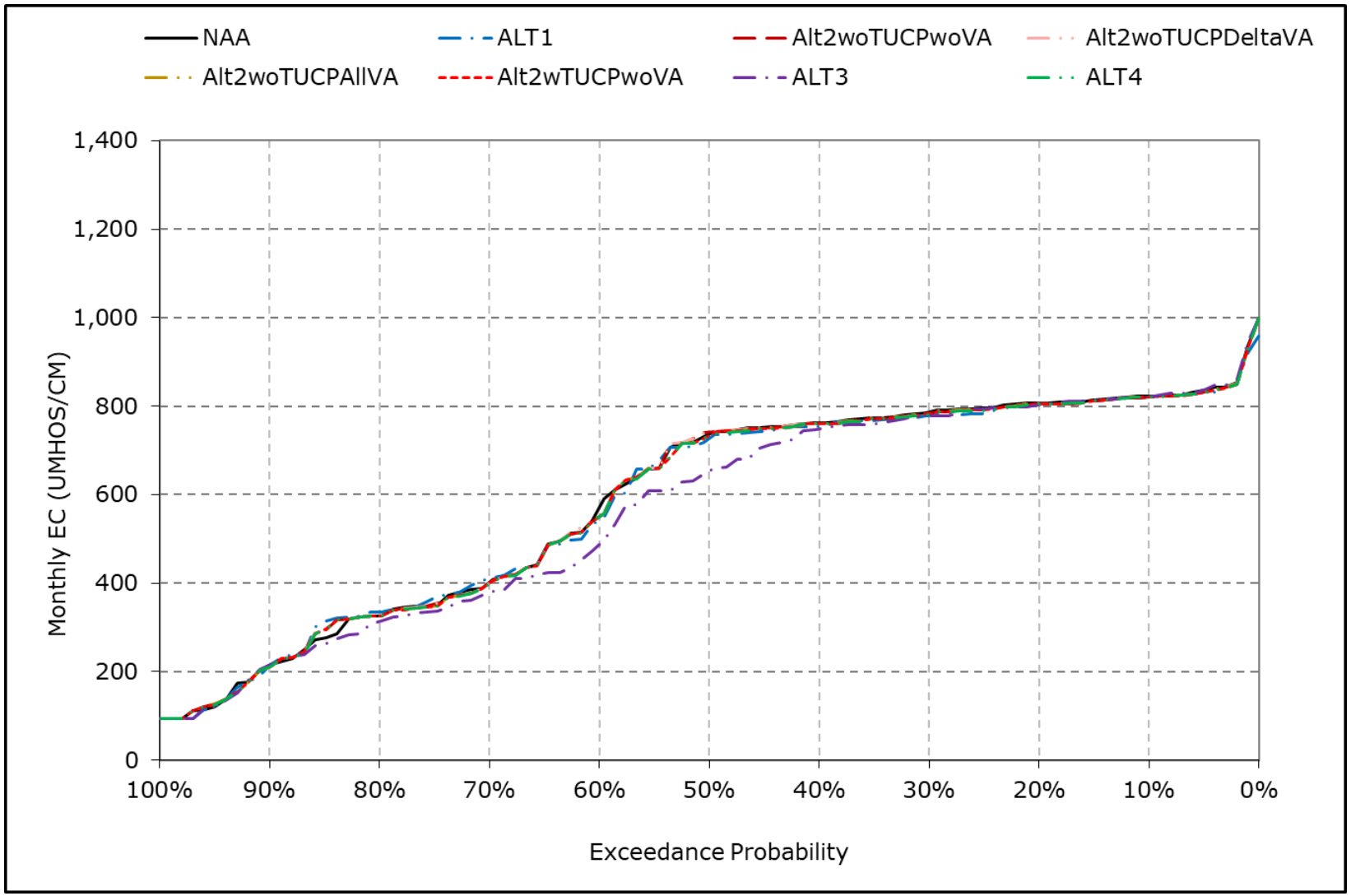
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-6-7. San Joaquin River at Vernalis Salinity (40-30-30), January Electrical Conductivity



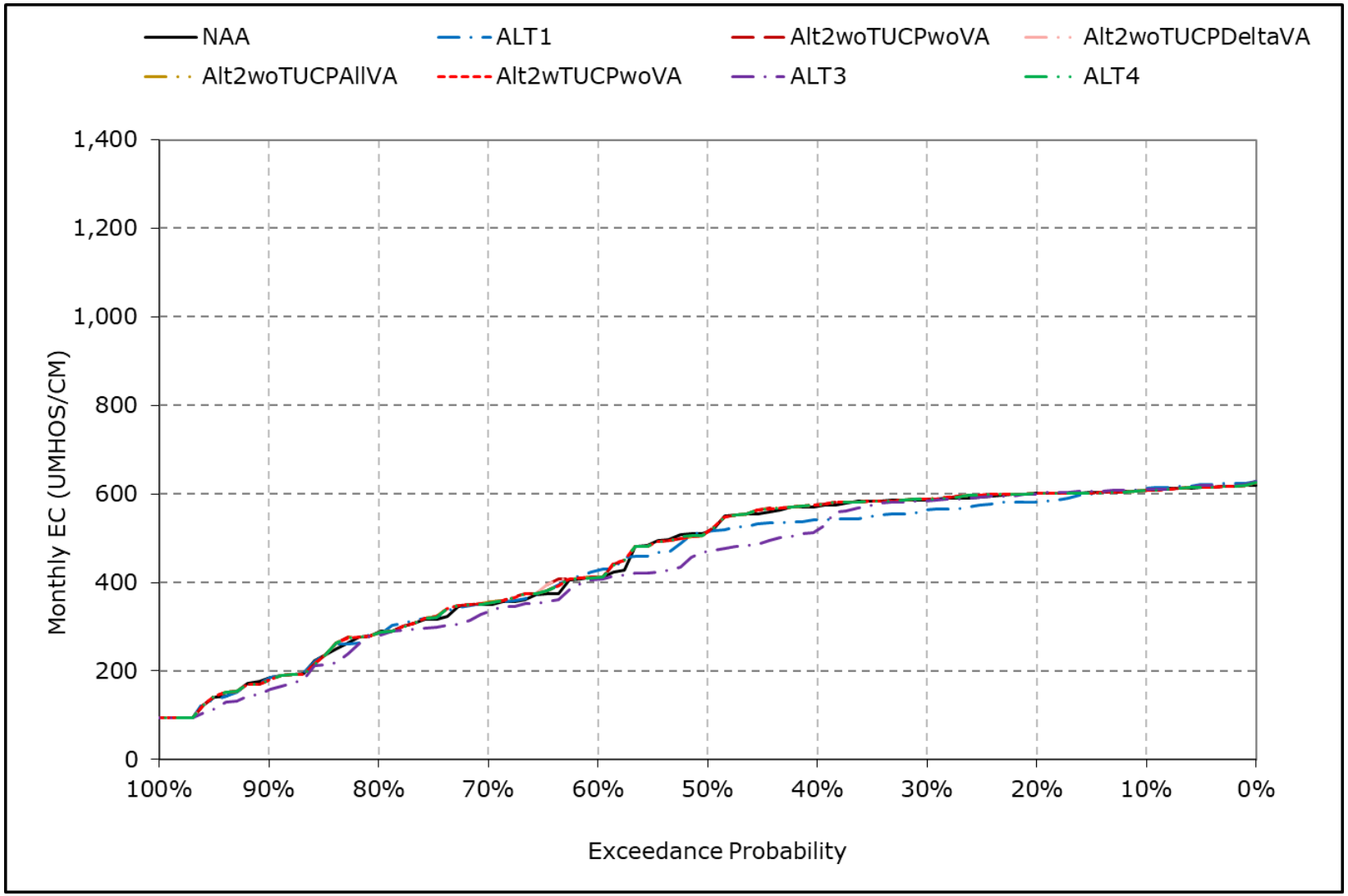
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-6-8. San Joaquin River at Vernalis Salinity (40-30-30), February Electrical Conductivity



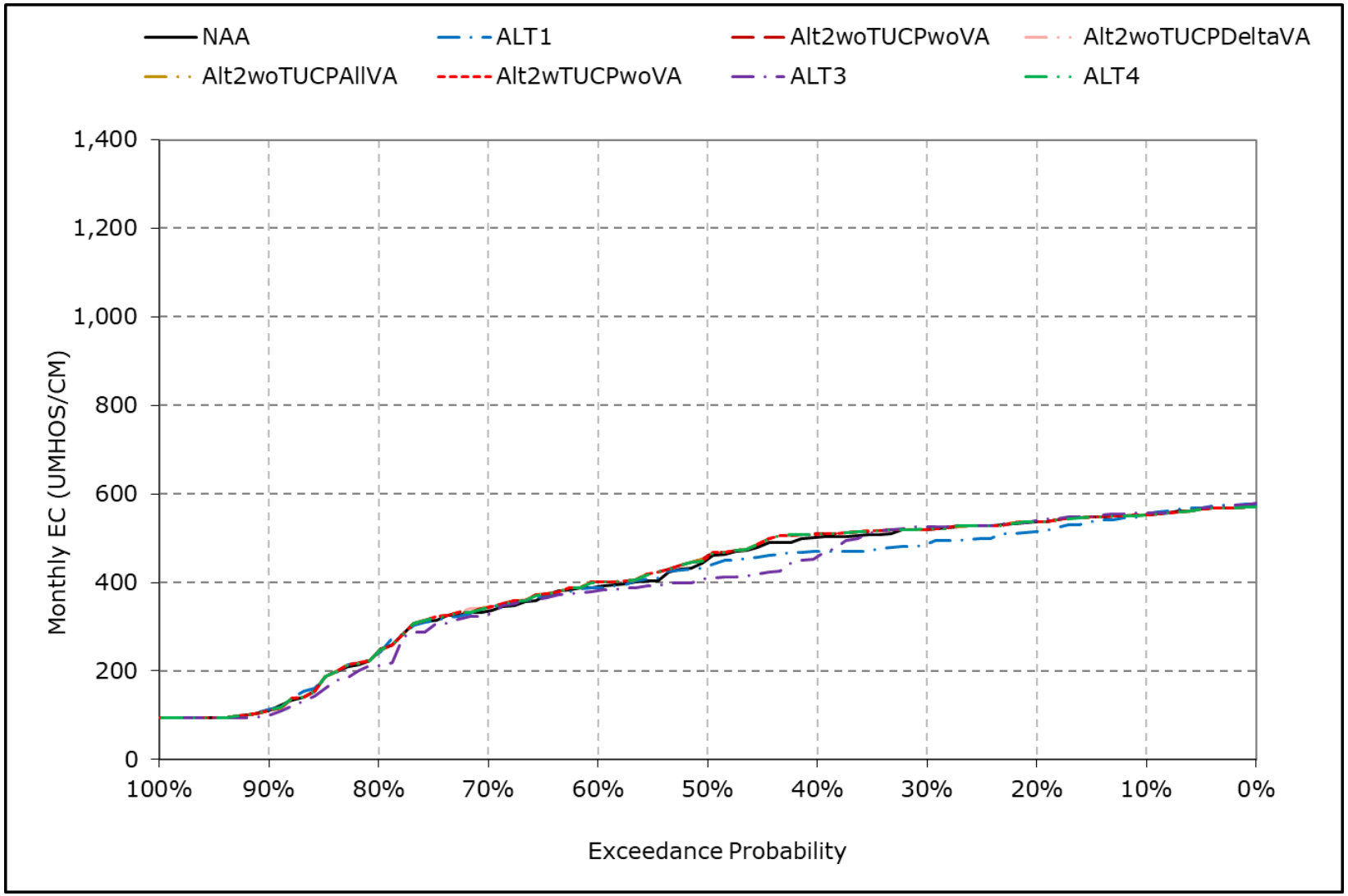
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-6-9. San Joaquin River at Vernalis Salinity (40-30-30), March Electrical Conductivity



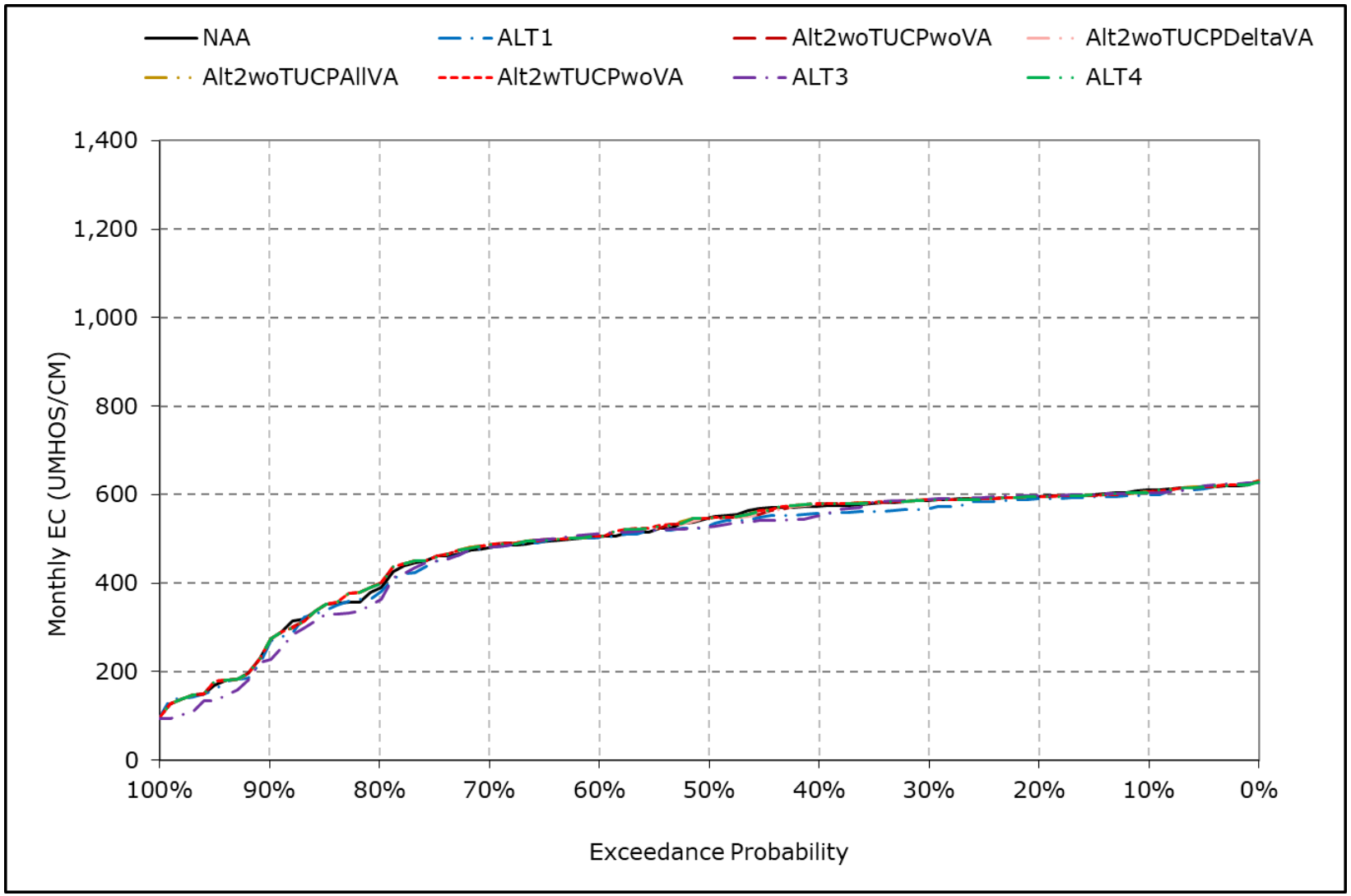
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-6-10. San Joaquin River at Vernalis Salinity (40-30-30), April Electrical Conductivity



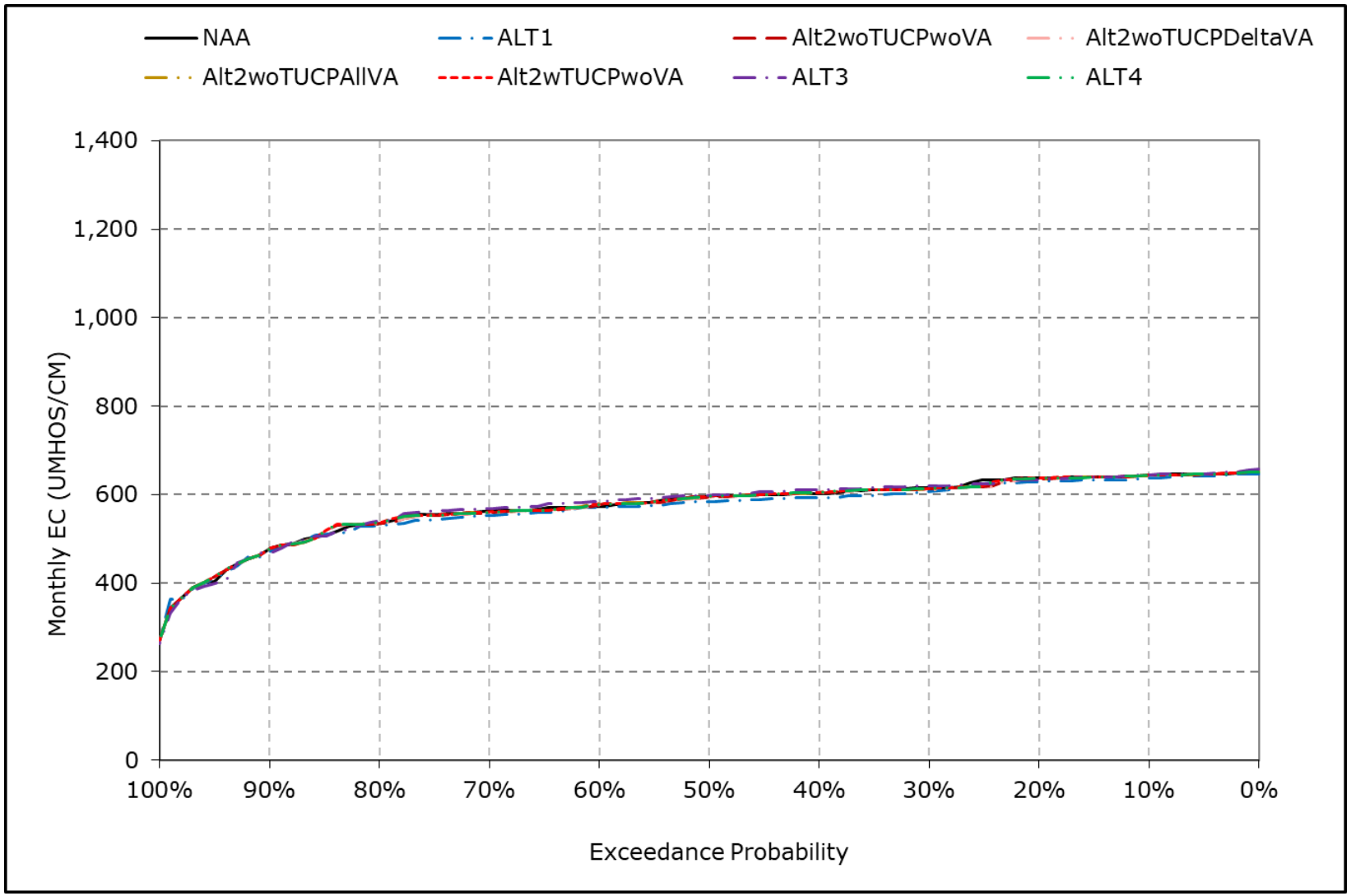
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-6-11. San Joaquin River at Vernalis Salinity (40-30-30), May Electrical Conductivity



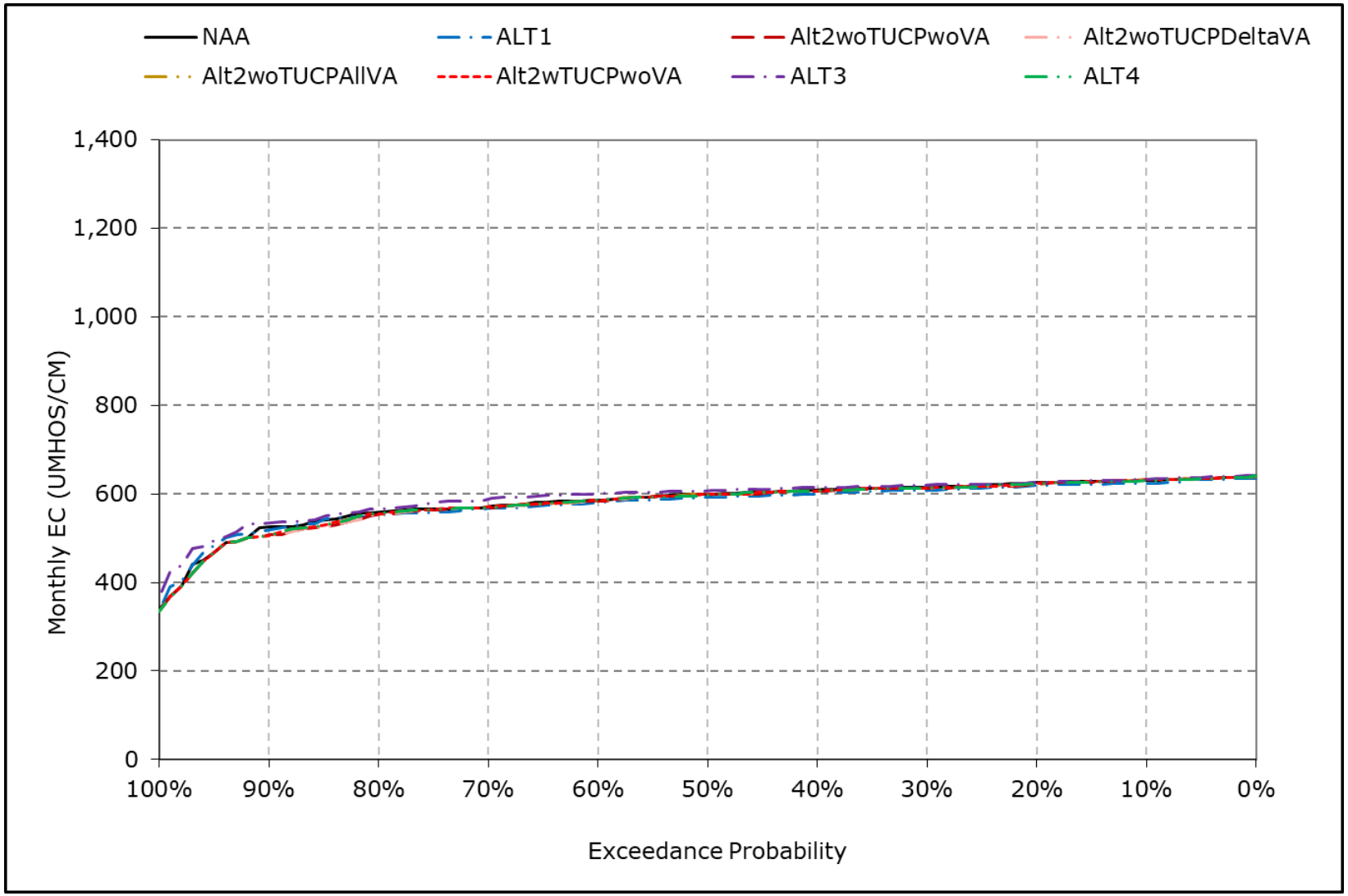
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-6-12. San Joaquin River at Vernalis Salinity (40-30-30), June Electrical Conductivity



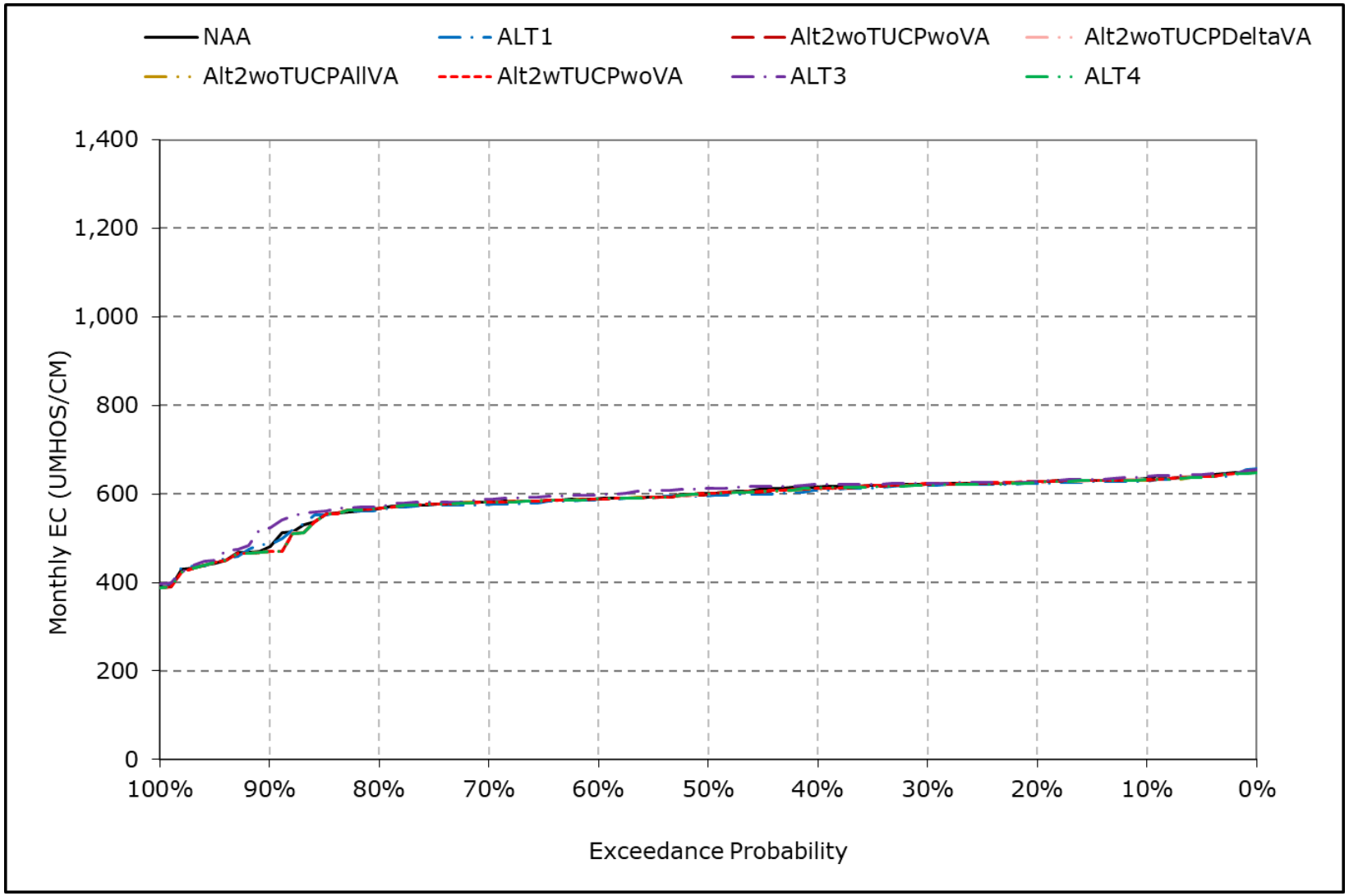
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-6-13. San Joaquin River at Vernalis Salinity (40-30-30), July Electrical Conductivity



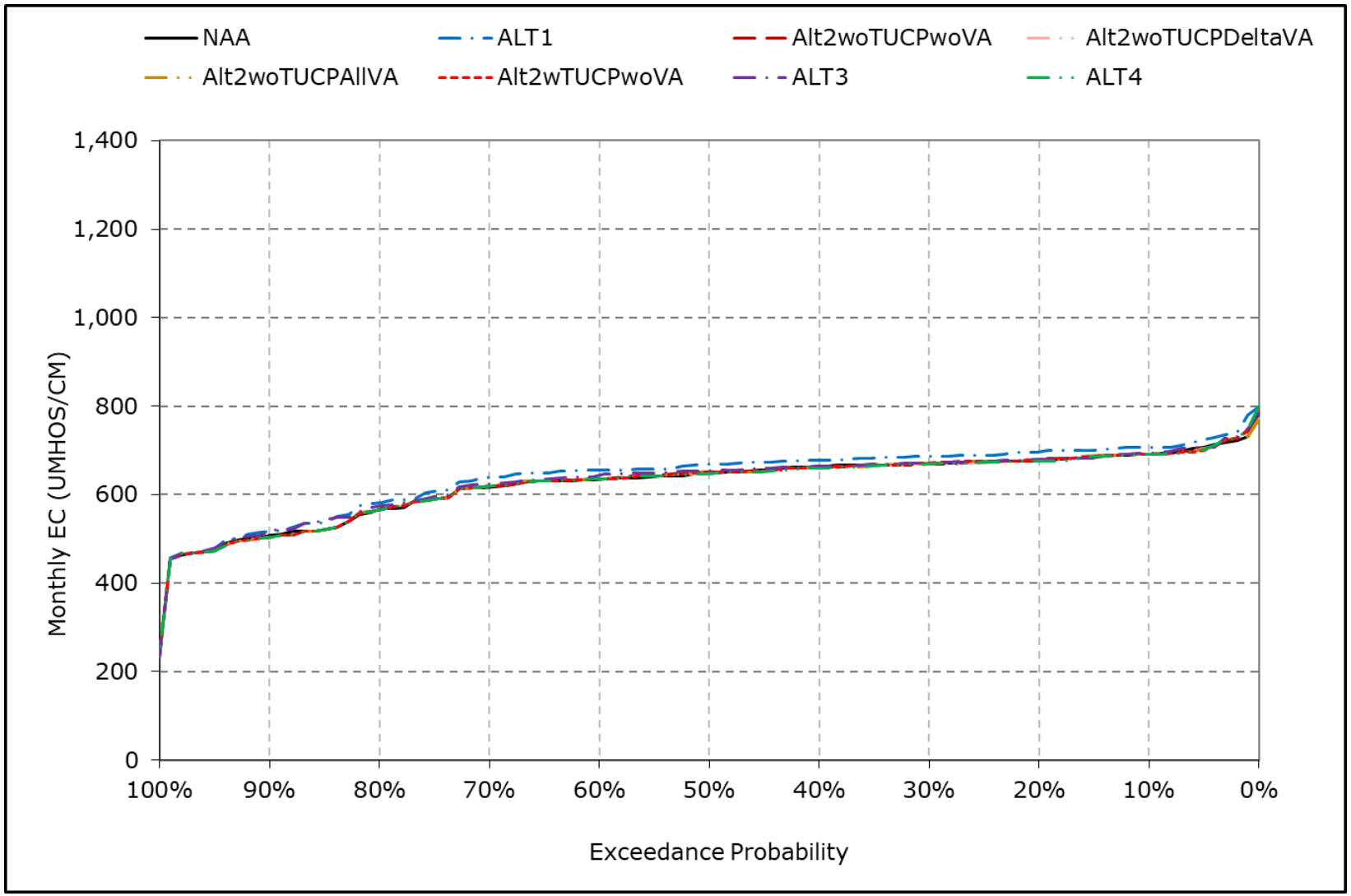
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-6-14. San Joaquin River at Vernalis Salinity (40-30-30), August Electrical Conductivity



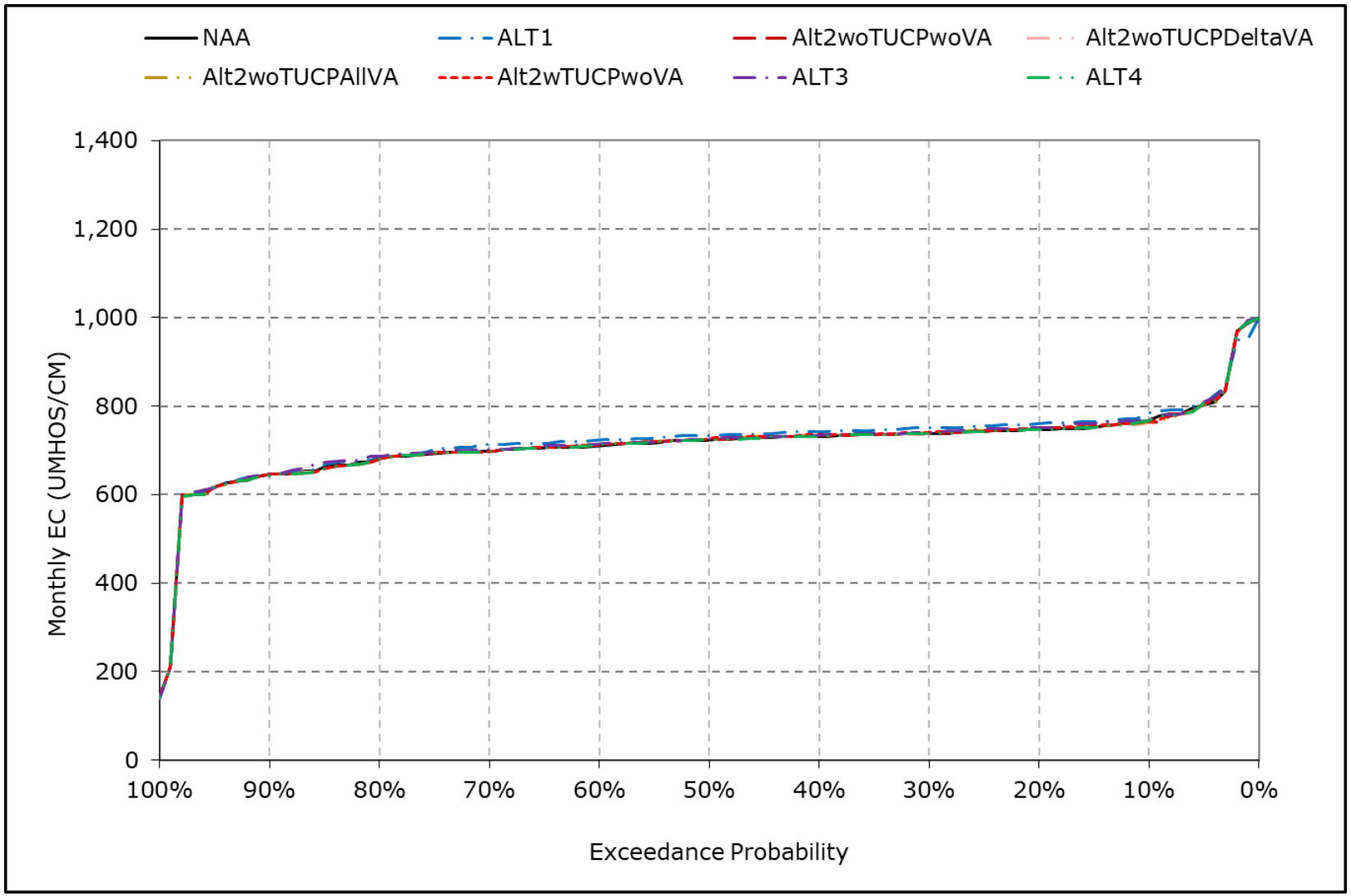
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-6-15. San Joaquin River at Vernalis Salinity (40-30-30), September Electrical Conductivity



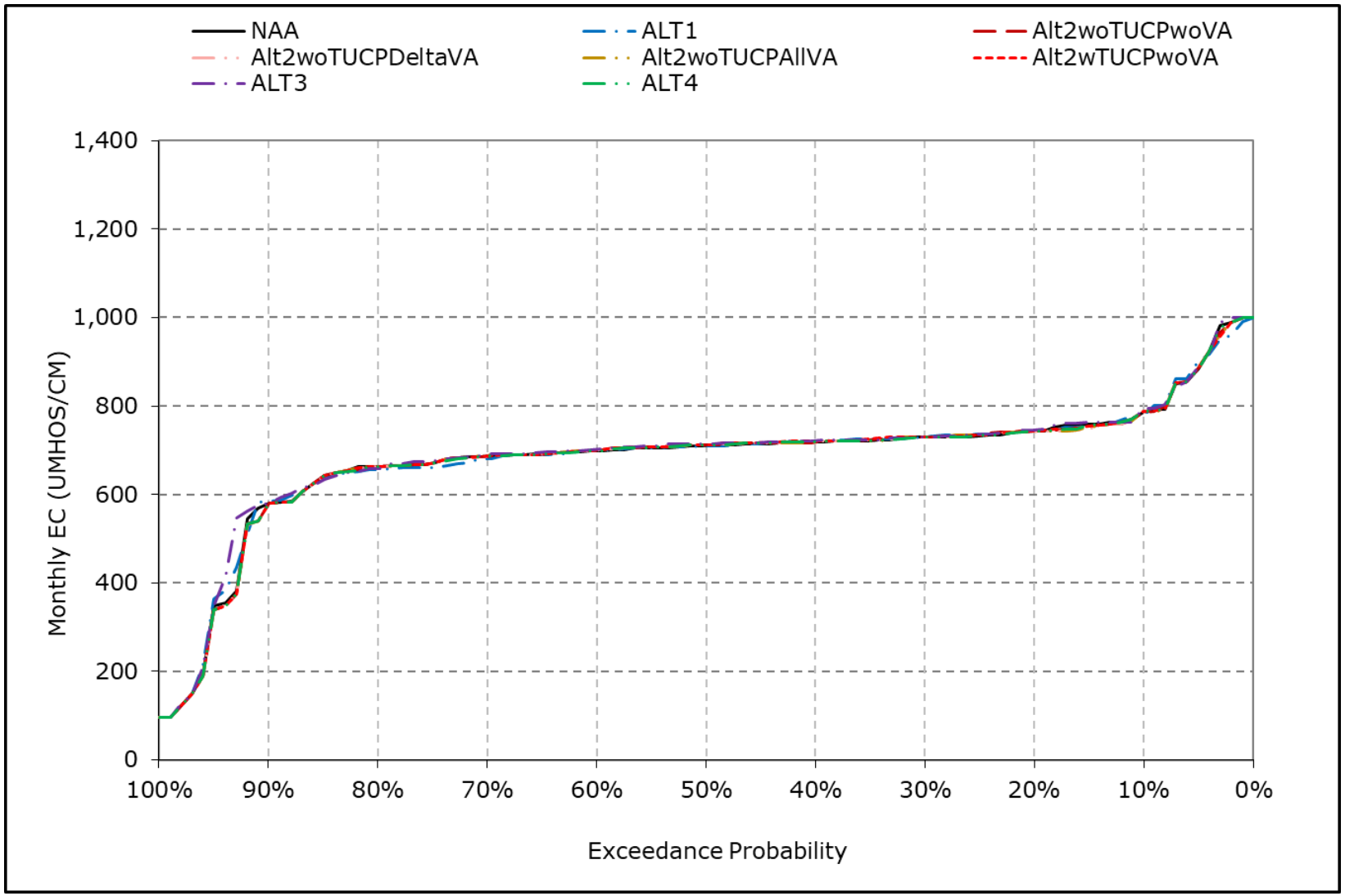
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-6-16. San Joaquin River at Vernalis Salinity (40-30-30), October Electrical Conductivity



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

Figure F.2.5-6-17. San Joaquin River at Vernalis Salinity (40-30-30), November Electrical Conductivity



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

Figure F.2.5-6-18. San Joaquin River at Vernalis Salinity (40-30-30), December Electrical Conductivity

Table F.2.5-7-1a. San Joaquin River at Vernalis Salinity (60-20-20), No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	692	768	787	770	740	822	609	553	610	644	630	634
20% Exceedance	676	747	743	717	715	807	601	536	596	638	626	628
30% Exceedance	671	738	729	706	703	786	587	521	587	615	615	622
40% Exceedance	664	732	719	698	692	762	572	502	574	603	609	616
50% Exceedance	648	724	711	687	681	736	515	452	547	596	600	601
60% Exceedance	635	711	698	673	622	571	413	391	505	573	586	589
70% Exceedance	617	698	687	636	543	403	350	336	480	563	571	582
80% Exceedance	567	680	664	529	312	326	287	243	388	535	559	567
90% Exceedance	507	646	579	274	173	215	184	112	271	478	525	480
Full Simulation Period Average[a]	624	712	682	625	573	590	448	398	492	574	583	586
Wet Water Years (22%)	509	634	602	552	415	292	225	171	280	470	504	497
Above Normal Years (12%)	606	694	634	489	393	421	364	319	464	566	584	587
Below Normal Years (15%)	635	710	673	601	539	511	388	364	490	564	575	589
Dry Water Years (17%)	681	744	717	683	683	755	552	487	569	601	610	618
Critical Water Years (34%)	674	756	741	700	698	794	597	543	601	634	622	625

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-7-1b. San Joaquin River at Vernalis Salinity (60-20-20), Alternative 1, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	707	786	779	775	742	822	612	556	600	637	624	629
20% Exceedance	697	761	743	716	718	804	582	515	591	630	618	624
30% Exceedance	687	751	730	706	701	779	564	486	569	607	608	619
40% Exceedance	678	742	720	696	688	754	541	469	557	593	601	609
50% Exceedance	669	734	709	687	673	727	517	436	531	585	593	596
60% Exceedance	655	724	699	662	610	543	427	388	504	571	581	586
70% Exceedance	638	713	681	624	540	411	353	344	480	554	568	576
80% Exceedance	581	686	657	492	314	335	284	239	379	531	552	563
90% Exceedance	517	643	585	304	171	214	184	113	265	472	520	486
Full Simulation Period Average[a]	640	720	682	622	570	587	441	389	484	567	578	583
Wet Water Years (22%)	519	635	598	555	413	295	227	178	281	472	509	500
Above Normal Years (12%)	626	705	634	487	391	420	368	320	453	556	578	584
Below Normal Years (15%)	653	720	679	597	547	516	393	365	487	560	567	584
Dry Water Years (17%)	699	753	715	674	674	745	526	463	554	588	600	613
Critical Water Years (34%)	691	766	741	698	693	788	582	525	590	625	616	621

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-7-1c. San Joaquin River at Vernalis Salinity (60-20-20), Alternative 1 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

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

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-7-2a. San Joaquin River at Vernalis Salinity (60-20-20), No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	692	768	787	770	740	822	609	553	610	644	630	634
20% Exceedance	676	747	743	717	715	807	601	536	596	638	626	628
30% Exceedance	671	738	729	706	703	786	587	521	587	615	615	622
40% Exceedance	664	732	719	698	692	762	572	502	574	603	609	616
50% Exceedance	648	724	711	687	681	736	515	452	547	596	600	601
60% Exceedance	635	711	698	673	622	571	413	391	505	573	586	589
70% Exceedance	617	698	687	636	543	403	350	336	480	563	571	582
80% Exceedance	567	680	664	529	312	326	287	243	388	535	559	567
90% Exceedance	507	646	579	274	173	215	184	112	271	478	525	480
Full Simulation Period Average[a]	624	712	682	625	573	590	448	398	492	574	583	586
Wet Water Years (22%)	509	634	602	552	415	292	225	171	280	470	504	497
Above Normal Years (12%)	606	694	634	489	393	421	364	319	464	566	584	587
Below Normal Years (15%)	635	710	673	601	539	511	388	364	490	564	575	589
Dry Water Years (17%)	681	744	717	683	683	755	552	487	569	601	610	618
Critical Water Years (34%)	674	756	741	700	698	794	597	543	601	634	622	625

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-7-2b. San Joaquin River at Vernalis Salinity (60-20-20), Alt2woTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	692	763	786	771	732	820	607	552	607	643	632	631
20% Exceedance	678	751	744	716	714	804	600	537	595	636	621	627
30% Exceedance	668	737	730	707	699	783	589	521	588	612	613	621
40% Exceedance	661	733	719	700	689	760	576	509	578	604	606	612
50% Exceedance	650	724	712	687	678	741	514	460	547	594	598	599
60% Exceedance	636	714	700	674	619	550	412	401	506	577	584	588
70% Exceedance	619	698	687	636	540	400	354	344	487	559	568	582
80% Exceedance	565	681	662	510	309	326	286	243	399	535	554	567
90% Exceedance	504	645	576	275	173	212	179	112	271	478	507	470
Full Simulation Period Average[a]	624	712	682	626	569	589	450	401	493	573	579	584
Wet Water Years (22%)	508	633	600	557	409	293	224	174	286	474	503	495
Above Normal Years (12%)	606	694	633	488	389	420	366	321	465	566	584	587
Below Normal Years (15%)	636	711	672	600	539	514	399	372	494	566	576	590
Dry Water Years (17%)	682	745	718	684	677	750	556	496	576	605	610	617
Critical Water Years (34%)	674	756	740	701	694	791	596	543	596	626	613	621

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-7-2c. San Joaquin River at Vernalis Salinity (60-20-20), Alt2woTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

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

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-7-3a. San Joaquin River at Vernalis Salinity (60-20-20), No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	692	768	787	770	740	822	609	553	610	644	630	634
20% Exceedance	676	747	743	717	715	807	601	536	596	638	626	628
30% Exceedance	671	738	729	706	703	786	587	521	587	615	615	622
40% Exceedance	664	732	719	698	692	762	572	502	574	603	609	616
50% Exceedance	648	724	711	687	681	736	515	452	547	596	600	601
60% Exceedance	635	711	698	673	622	571	413	391	505	573	586	589
70% Exceedance	617	698	687	636	543	403	350	336	480	563	571	582
80% Exceedance	567	680	664	529	312	326	287	243	388	535	559	567
90% Exceedance	507	646	579	274	173	215	184	112	271	478	525	480
Full Simulation Period Average[a]	624	712	682	625	573	590	448	398	492	574	583	586
Wet Water Years (22%)	509	634	602	552	415	292	225	171	280	470	504	497
Above Normal Years (12%)	606	694	634	489	393	421	364	319	464	566	584	587
Below Normal Years (15%)	635	710	673	601	539	511	388	364	490	564	575	589
Dry Water Years (17%)	681	744	717	683	683	755	552	487	569	601	610	618
Critical Water Years (34%)	674	756	741	700	698	794	597	543	601	634	622	625

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-7-3b. San Joaquin River at Vernalis Salinity (60-20-20), Alt2woTUCPDeltaVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	691	763	785	772	732	821	607	552	607	643	632	634
20% Exceedance	680	747	742	716	714	804	600	537	595	636	622	626
30% Exceedance	669	738	729	707	699	784	589	521	588	612	613	620
40% Exceedance	661	732	721	701	689	760	576	509	578	604	606	610
50% Exceedance	648	724	712	687	678	741	515	460	547	594	599	599
60% Exceedance	637	715	700	674	619	550	412	401	506	577	584	588
70% Exceedance	619	698	686	637	540	400	354	344	487	559	568	582
80% Exceedance	565	681	662	510	309	326	286	243	399	535	554	567
90% Exceedance	504	645	576	275	173	212	179	112	271	478	507	470
Full Simulation Period Average[a]	624	712	681	626	569	589	450	401	493	573	579	584
Wet Water Years (22%)	508	633	600	557	409	294	224	174	286	474	503	495
Above Normal Years (12%)	606	694	633	488	390	420	366	321	465	566	585	587
Below Normal Years (15%)	636	711	672	600	539	514	399	372	494	566	576	590
Dry Water Years (17%)	680	744	717	684	677	751	556	496	576	605	610	617
Critical Water Years (34%)	674	756	739	701	694	792	596	543	596	626	613	621

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-7-3c. San Joaquin River at Vernalis Salinity (60-20-20), Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

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

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-7-4a. San Joaquin River at Vernalis Salinity (60-20-20), No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	692	768	787	770	740	822	609	553	610	644	630	634
20% Exceedance	676	747	743	717	715	807	601	536	596	638	626	628
30% Exceedance	671	738	729	706	703	786	587	521	587	615	615	622
40% Exceedance	664	732	719	698	692	762	572	502	574	603	609	616
50% Exceedance	648	724	711	687	681	736	515	452	547	596	600	601
60% Exceedance	635	711	698	673	622	571	413	391	505	573	586	589
70% Exceedance	617	698	687	636	543	403	350	336	480	563	571	582
80% Exceedance	567	680	664	529	312	326	287	243	388	535	559	567
90% Exceedance	507	646	579	274	173	215	184	112	271	478	525	480
Full Simulation Period Average[a]	624	712	682	625	573	590	448	398	492	574	583	586
Wet Water Years (22%)	509	634	602	552	415	292	225	171	280	470	504	497
Above Normal Years (12%)	606	694	634	489	393	421	364	319	464	566	584	587
Below Normal Years (15%)	635	710	673	601	539	511	388	364	490	564	575	589
Dry Water Years (17%)	681	744	717	683	683	755	552	487	569	601	610	618
Critical Water Years (34%)	674	756	741	700	698	794	597	543	601	634	622	625

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-7-4b. San Joaquin River at Vernalis Salinity (60-20-20), Alt2woTUCPAllVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	692	764	787	771	732	821	608	552	606	641	631	631
20% Exceedance	678	749	744	716	713	804	601	537	595	636	623	628
30% Exceedance	672	740	730	708	699	784	589	521	588	613	614	620
40% Exceedance	661	734	719	700	689	760	576	509	580	605	607	612
50% Exceedance	650	724	712	687	678	733	515	460	547	596	599	601
60% Exceedance	636	714	700	674	618	550	412	401	506	580	585	589
70% Exceedance	619	698	688	632	540	400	354	344	487	560	571	582
80% Exceedance	565	681	662	510	309	326	286	243	399	536	556	567
90% Exceedance	504	645	576	275	173	212	179	112	271	478	507	470
Full Simulation Period Average[a]	624	712	681	625	568	588	450	401	494	574	580	584
Wet Water Years (22%)	508	633	600	557	409	293	224	174	285	474	503	495
Above Normal Years (12%)	606	694	633	488	389	419	366	321	465	566	584	586
Below Normal Years (15%)	636	711	672	600	538	509	397	371	494	565	576	589
Dry Water Years (17%)	681	746	718	682	675	750	556	496	576	605	610	616
Critical Water Years (34%)	674	756	739	701	694	792	596	543	598	629	616	622

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-7-4c. San Joaquin River at Vernalis Salinity (60-20-20), Alt2woTUCPAllVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

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

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-7-5a. San Joaquin River at Vernalis Salinity (60-20-20), No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	692	768	787	770	740	822	609	553	610	644	630	634
20% Exceedance	676	747	743	717	715	807	601	536	596	638	626	628
30% Exceedance	671	738	729	706	703	786	587	521	587	615	615	622
40% Exceedance	664	732	719	698	692	762	572	502	574	603	609	616
50% Exceedance	648	724	711	687	681	736	515	452	547	596	600	601
60% Exceedance	635	711	698	673	622	571	413	391	505	573	586	589
70% Exceedance	617	698	687	636	543	403	350	336	480	563	571	582
80% Exceedance	567	680	664	529	312	326	287	243	388	535	559	567
90% Exceedance	507	646	579	274	173	215	184	112	271	478	525	480
Full Simulation Period Average[a]	624	712	682	625	573	590	448	398	492	574	583	586
Wet Water Years (22%)	509	634	602	552	415	292	225	171	280	470	504	497
Above Normal Years (12%)	606	694	634	489	393	421	364	319	464	566	584	587
Below Normal Years (15%)	635	710	673	601	539	511	388	364	490	564	575	589
Dry Water Years (17%)	681	744	717	683	683	755	552	487	569	601	610	618
Critical Water Years (34%)	674	756	741	700	698	794	597	543	601	634	622	625

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-7-5b. San Joaquin River at Vernalis Salinity (60-20-20), Alt2wTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	692	764	789	771	732	820	607	552	606	645	632	632
20% Exceedance	679	751	745	719	713	804	600	537	595	638	624	628
30% Exceedance	672	741	730	707	699	783	589	521	588	613	614	623
40% Exceedance	662	735	721	701	689	760	576	509	579	605	607	612
50% Exceedance	650	726	712	688	678	733	514	458	547	597	598	601
60% Exceedance	636	713	700	674	619	550	412	401	506	580	585	589
70% Exceedance	619	698	687	632	541	400	354	344	487	561	571	582
80% Exceedance	565	680	662	510	309	326	286	243	399	536	556	567
90% Exceedance	504	645	576	275	173	212	179	112	271	478	507	470
Full Simulation Period Average[a]	625	713	682	626	568	588	450	401	494	574	580	584
Wet Water Years (22%)	508	633	600	557	409	293	224	174	285	474	503	495
Above Normal Years (12%)	606	694	633	488	389	420	366	320	464	565	584	586
Below Normal Years (15%)	637	712	673	600	538	509	397	371	494	566	576	589
Dry Water Years (17%)	684	746	719	681	675	749	556	496	576	605	610	618
Critical Water Years (34%)	674	757	741	702	694	791	596	543	598	629	616	622

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-7-5c. San Joaquin River at Vernalis Salinity (60-20-20), Alt2wTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

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

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-7-6a. San Joaquin River at Vernalis Salinity (60-20-20), No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	692	768	787	770	740	822	609	553	610	644	630	634
20% Exceedance	676	747	743	717	715	807	601	536	596	638	626	628
30% Exceedance	671	738	729	706	703	786	587	521	587	615	615	622
40% Exceedance	664	732	719	698	692	762	572	502	574	603	609	616
50% Exceedance	648	724	711	687	681	736	515	452	547	596	600	601
60% Exceedance	635	711	698	673	622	571	413	391	505	573	586	589
70% Exceedance	617	698	687	636	543	403	350	336	480	563	571	582
80% Exceedance	567	680	664	529	312	326	287	243	388	535	559	567
90% Exceedance	507	646	579	274	173	215	184	112	271	478	525	480
Full Simulation Period Average[a]	624	712	682	625	573	590	448	398	492	574	583	586
Wet Water Years (22%)	509	634	602	552	415	292	225	171	280	470	504	497
Above Normal Years (12%)	606	694	634	489	393	421	364	319	464	566	584	587
Below Normal Years (15%)	635	710	673	601	539	511	388	364	490	564	575	589
Dry Water Years (17%)	681	744	717	683	683	755	552	487	569	601	610	618
Critical Water Years (34%)	674	756	741	700	698	794	597	543	601	634	622	625

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-7-6b. San Joaquin River at Vernalis Salinity (60-20-20), Alternative 3, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	694	771	793	772	729	822	609	556	605	644	633	640
20% Exceedance	679	751	746	720	707	803	600	541	598	634	626	628
30% Exceedance	671	741	729	707	697	779	584	526	589	620	620	624
40% Exceedance	664	735	722	699	685	749	519	459	552	612	616	621
50% Exceedance	654	726	715	690	664	654	471	409	527	599	607	613
60% Exceedance	645	715	701	677	588	488	407	382	512	584	600	598
70% Exceedance	624	703	690	635	522	378	334	329	481	569	589	587
80% Exceedance	575	686	658	532	313	313	281	213	362	540	566	569
90% Exceedance	519	647	580	296	173	215	157	100	227	469	534	523
Full Simulation Period Average[a]	629	716	687	629	559	568	430	387	483	576	592	593
Wet Water Years (22%)	518	638	612	558	394	261	205	163	261	472	525	513
Above Normal Years (12%)	610	698	638	498	397	418	364	314	460	570	590	593
Below Normal Years (15%)	644	715	679	604	495	484	373	360	491	571	591	602
Dry Water Years (17%)	681	745	718	686	662	697	486	446	553	606	614	619
Critical Water Years (34%)	678	760	744	702	700	792	595	540	597	634	625	628

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-7-6c. San Joaquin River at Vernalis Salinity (60-20-20), Alternative 3 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2	3	7	2	-10	0	1	3	-6	-1	3	6
20% Exceedance	3	4	3	3	-7	-4	-1	4	2	-4	0	0
30% Exceedance	0	3	0	0	-6	-7	-2	5	2	4	5	2
40% Exceedance	0	3	3	0	-7	-13	-53	-43	-22	9	7	5
50% Exceedance	6	2	4	4	-18	-83	-44	-43	-19	3	7	11
60% Exceedance	10	4	4	4	-34	-83	-6	-9	7	11	15	9
70% Exceedance	7	4	3	-1	-21	-24	-16	-7	1	6	18	5
80% Exceedance	8	6	-5	4	1	-13	-6	-31	-26	6	7	2
90% Exceedance	12	1	0	22	0	0	-26	-12	-44	-9	9	44
Full Simulation Period Average[a]	5	4	5	4	-13	-21	-18	-11	-8	3	9	7
Wet Water Years (22%)	9	5	9	6	-21	-31	-19	-9	-19	2	21	16
Above Normal Years (12%)	3	4	5	9	5	-3	0	-5	-4	4	6	6
Below Normal Years (15%)	9	5	6	3	-45	-27	-15	-4	1	8	16	13
Dry Water Years (17%)	-1	1	1	3	-21	-58	-67	-41	-15	5	4	1
Critical Water Years (34%)	4	3	4	2	2	-2	-2	-3	-4	-1	3	3

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-7-7a. San Joaquin River at Vernalis Salinity (60-20-20), No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	692	768	787	770	740	822	609	553	610	644	630	634
20% Exceedance	676	747	743	717	715	807	601	536	596	638	626	628
30% Exceedance	671	738	729	706	703	786	587	521	587	615	615	622
40% Exceedance	664	732	719	698	692	762	572	502	574	603	609	616
50% Exceedance	648	724	711	687	681	736	515	452	547	596	600	601
60% Exceedance	635	711	698	673	622	571	413	391	505	573	586	589
70% Exceedance	617	698	687	636	543	403	350	336	480	563	571	582
80% Exceedance	567	680	664	529	312	326	287	243	388	535	559	567
90% Exceedance	507	646	579	274	173	215	184	112	271	478	525	480
Full Simulation Period Average[a]	624	712	682	625	573	590	448	398	492	574	583	586
Wet Water Years (22%)	509	634	602	552	415	292	225	171	280	470	504	497
Above Normal Years (12%)	606	694	634	489	393	421	364	319	464	566	584	587
Below Normal Years (15%)	635	710	673	601	539	511	388	364	490	564	575	589
Dry Water Years (17%)	681	744	717	683	683	755	552	487	569	601	610	618
Critical Water Years (34%)	674	756	741	700	698	794	597	543	601	634	622	625

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-7-7b. San Joaquin River at Vernalis Salinity (60-20-20), Alternative 4, Monthly Electrical Conductivity (UMHOS/CM)

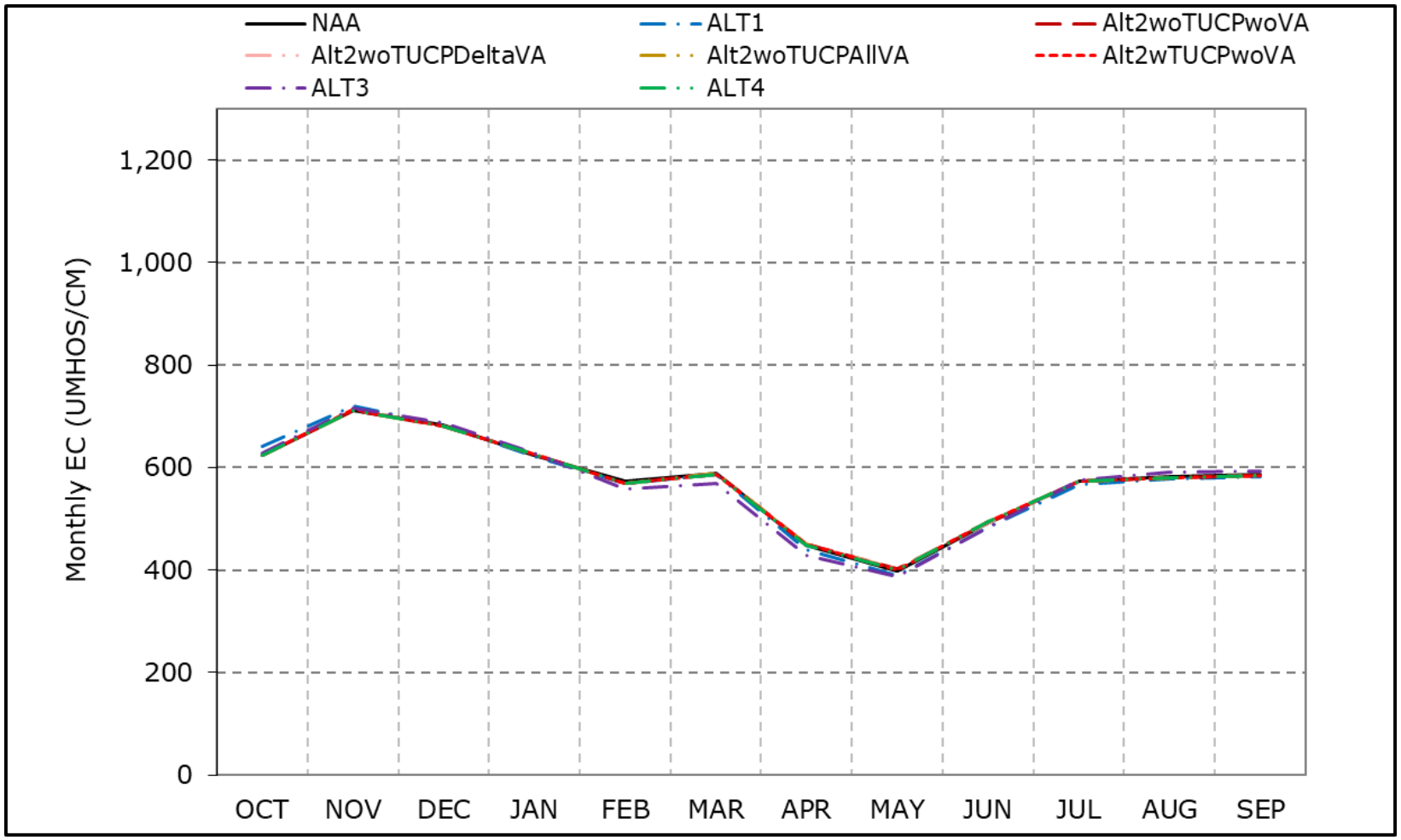
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	691	769	788	770	730	819	607	552	605	644	630	632
20% Exceedance	675	747	743	718	713	804	600	536	595	637	623	627
30% Exceedance	670	739	729	707	699	783	589	521	588	614	614	619
40% Exceedance	660	732	720	700	689	760	576	508	580	605	607	613
50% Exceedance	648	724	712	687	678	732	514	458	548	596	597	600
60% Exceedance	636	713	698	674	619	550	412	400	506	578	586	589
70% Exceedance	619	698	686	632	542	399	354	344	487	560	569	582
80% Exceedance	565	680	662	510	309	326	286	243	398	536	556	567
90% Exceedance	503	645	576	275	173	212	179	112	271	478	506	470
Full Simulation Period Average[a]	624	712	681	625	568	587	450	401	493	574	580	583
Wet Water Years (22%)	508	633	600	558	409	293	224	174	285	474	503	495
Above Normal Years (12%)	606	693	633	488	389	419	366	320	464	565	583	586
Below Normal Years (15%)	636	712	673	600	538	508	396	371	493	565	575	588
Dry Water Years (17%)	681	742	716	681	675	749	556	495	575	604	610	618
Critical Water Years (34%)	673	756	740	701	694	791	596	543	598	629	616	621

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-7-7c. San Joaquin River at Vernalis Salinity (60-20-20), Alternative 4 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

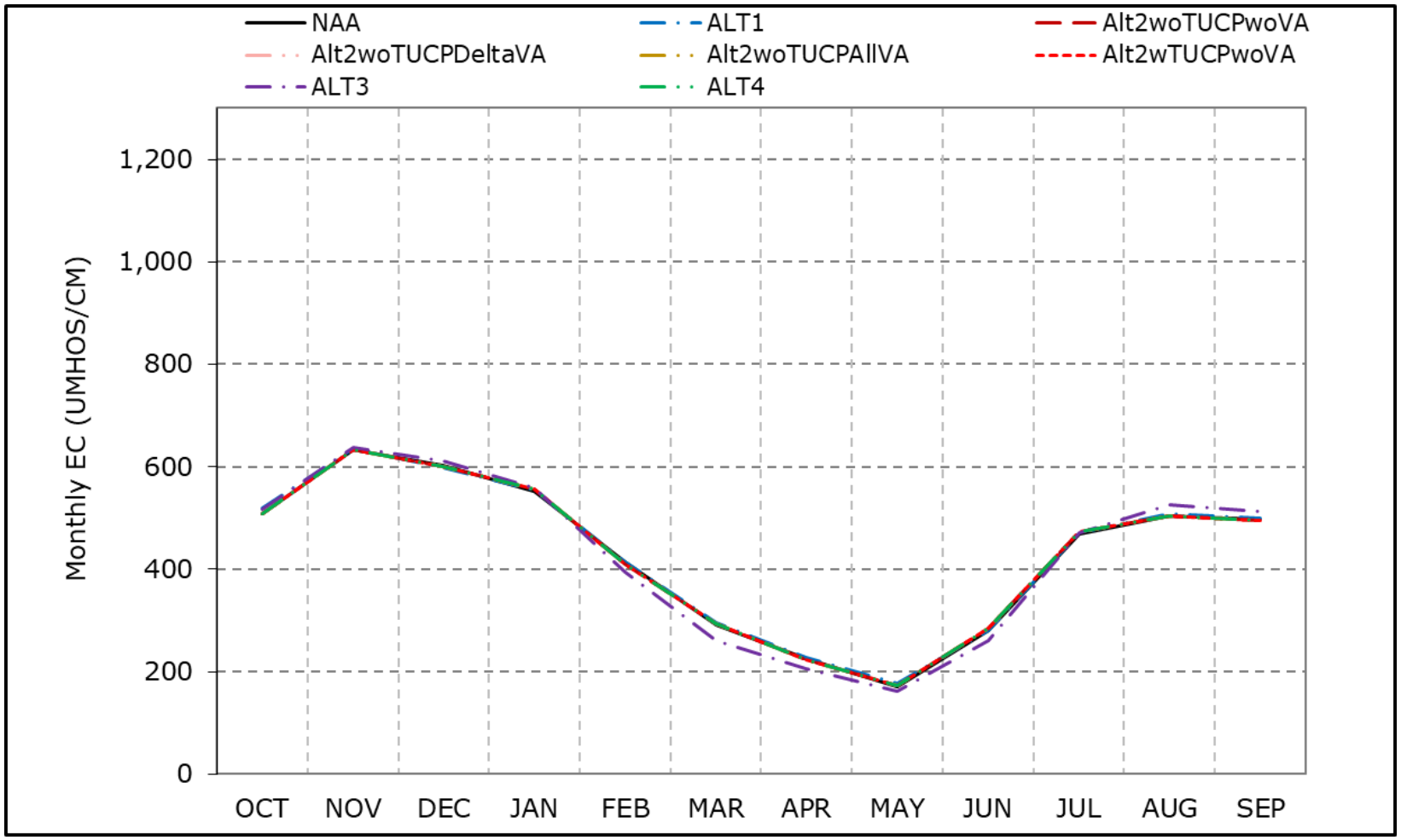
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1	1	1	-1	-9	-2	-1	-1	-5	-1	0	-2
20% Exceedance	-1	0	-1	1	-1	-3	-1	0	-1	-1	-3	-2
30% Exceedance	-1	1	0	1	-4	-3	2	0	0	-1	-1	-3
40% Exceedance	-3	1	1	2	-4	-3	4	7	5	2	-2	-3
50% Exceedance	0	0	1	0	-4	-5	-1	5	1	0	-3	-1
60% Exceedance	1	2	0	1	-2	-21	-1	9	0	5	1	-1
70% Exceedance	2	0	0	-5	-1	-3	4	8	7	-3	-2	0
80% Exceedance	-2	0	-1	-18	-3	0	-1	0	10	2	-4	0
90% Exceedance	-4	-1	-3	1	0	-3	-5	0	0	0	-19	-10
Full Simulation Period Average[a]	0	0	-1	1	-4	-2	2	3	2	0	-2	-2
Wet Water Years (22%)	-1	0	-2	6	-5	1	-1	2	6	5	-1	-3
Above Normal Years (12%)	-1	-1	-1	-1	-3	-2	2	1	0	-1	-1	-1
Below Normal Years (15%)	1	2	0	-1	-1	-3	9	7	4	2	-1	-1
Dry Water Years (17%)	-1	-2	-1	-2	-8	-6	3	9	7	3	0	-1
Critical Water Years (34%)	-1	0	-1	0	-4	-3	-1	0	-4	-5	-6	-3

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



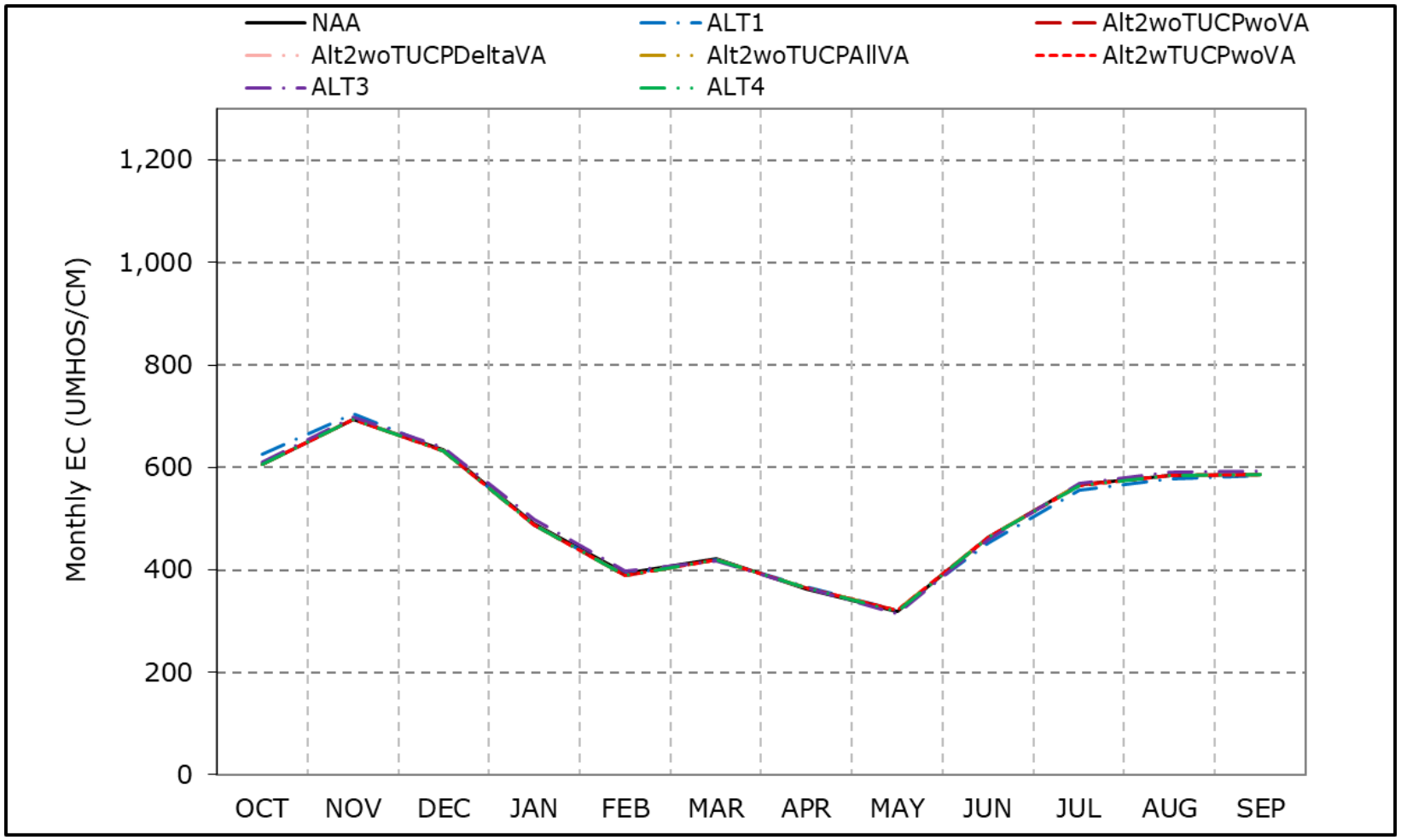
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-7-1. San Joaquin River at Vernalis Salinity (60-20-20), Long-Term Average Electrical Conductivity



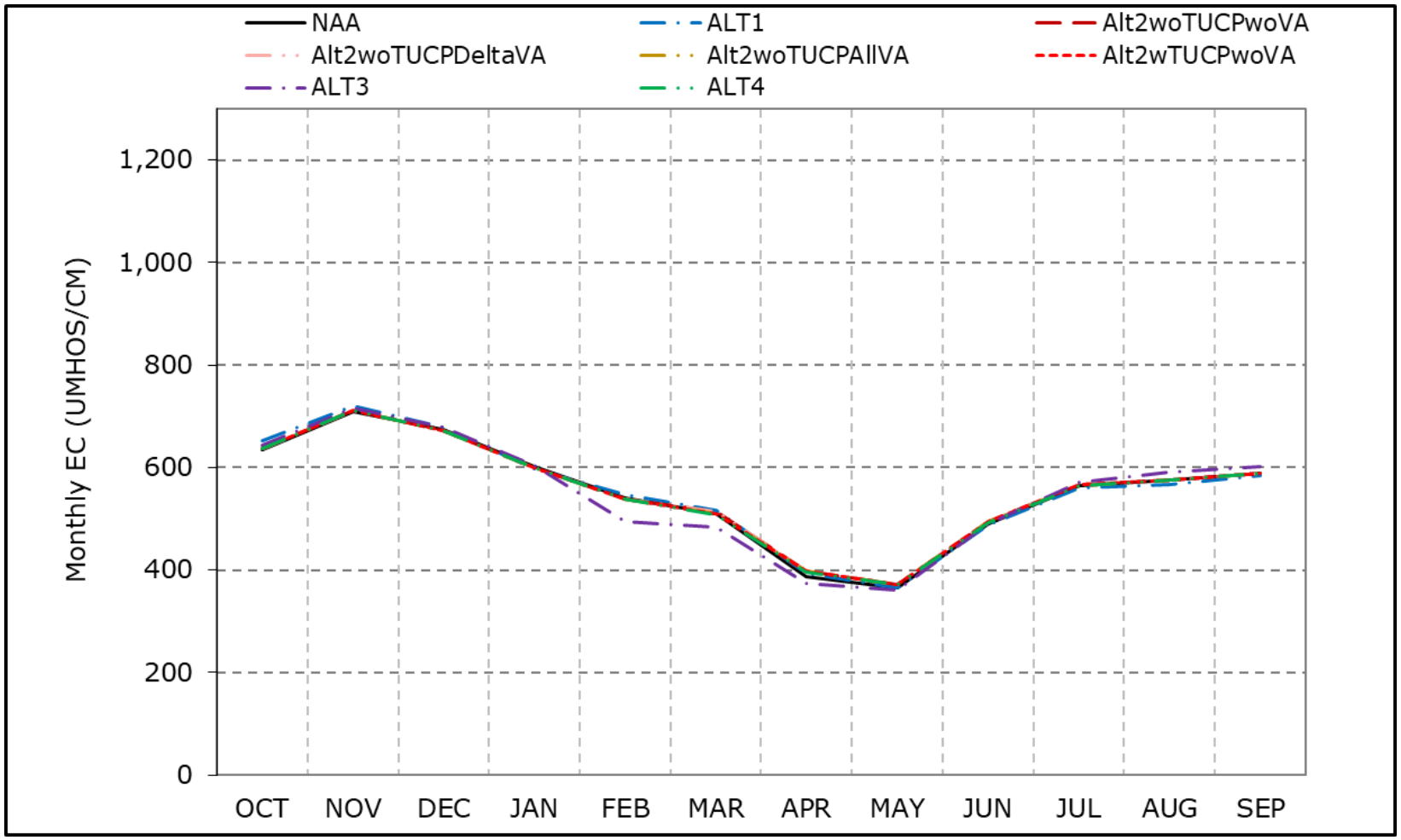
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-7-2. San Joaquin River at Vernalis Salinity (60-20-20), Wet Year Average Electrical Conductivity



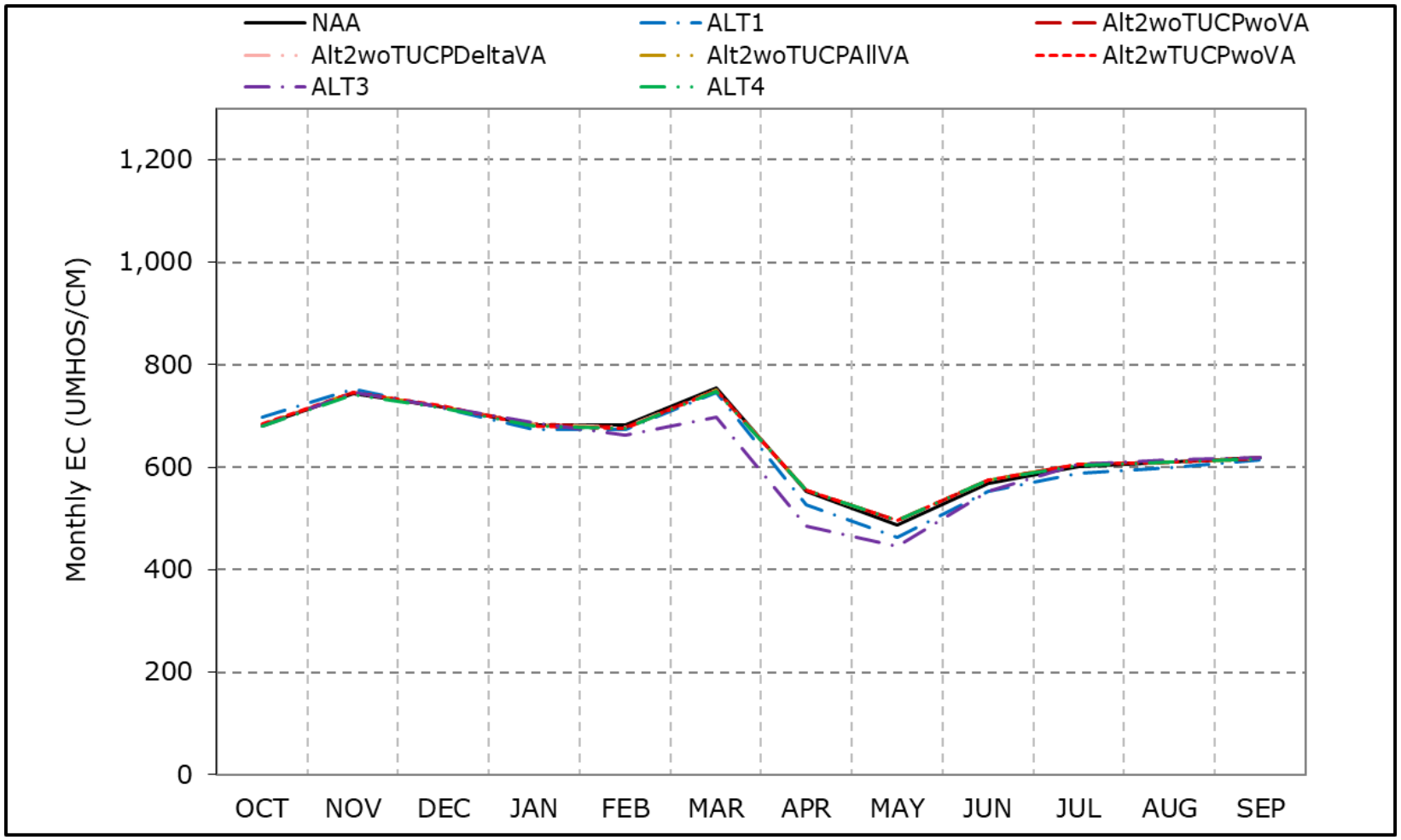
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-7-3. San Joaquin River at Vernalis Salinity (60-20-20), Above Normal Year Average Electrical Conductivity



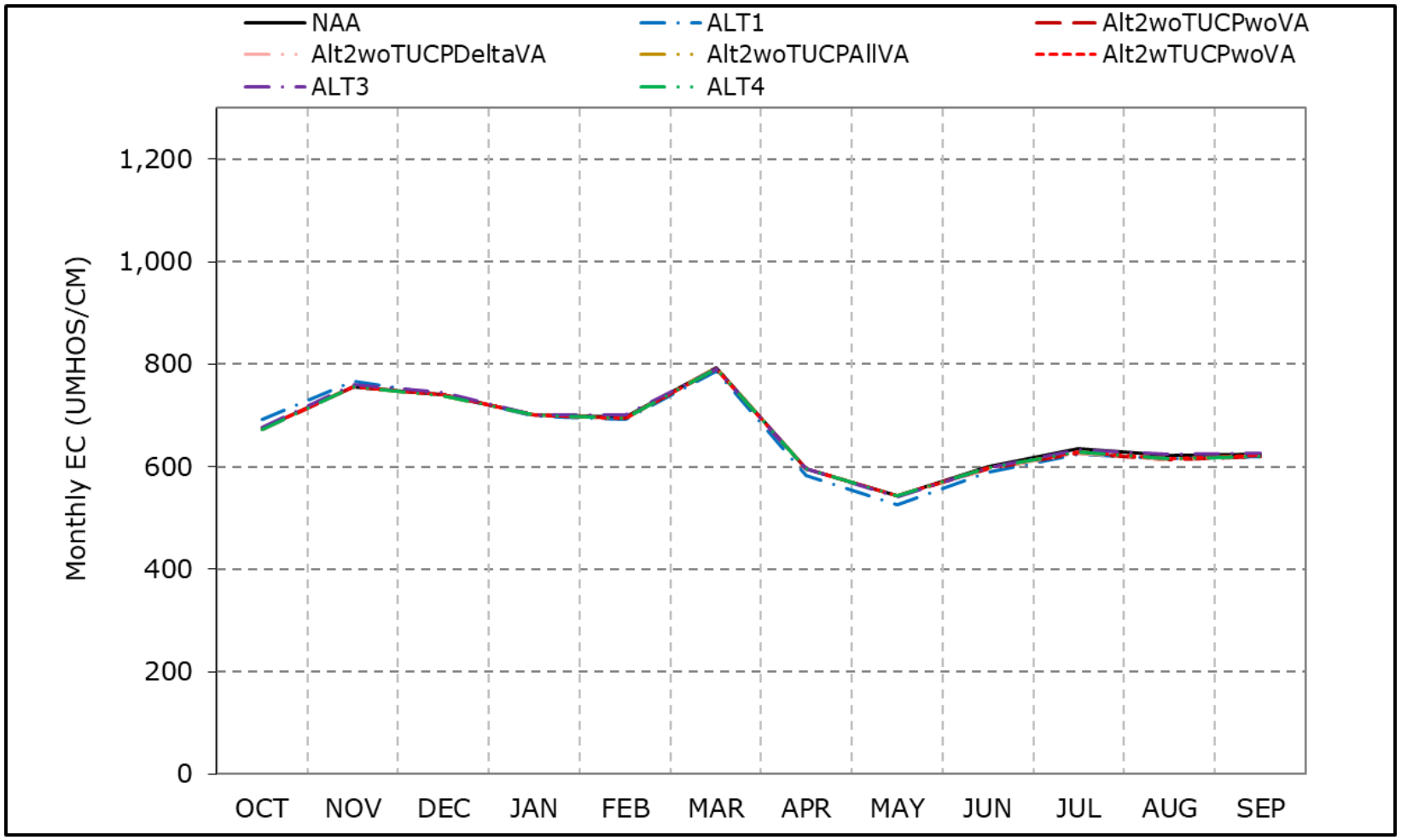
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-7-4. San Joaquin River at Vernalis Salinity (60-20-20), Below Normal Year Average Electrical Conductivity



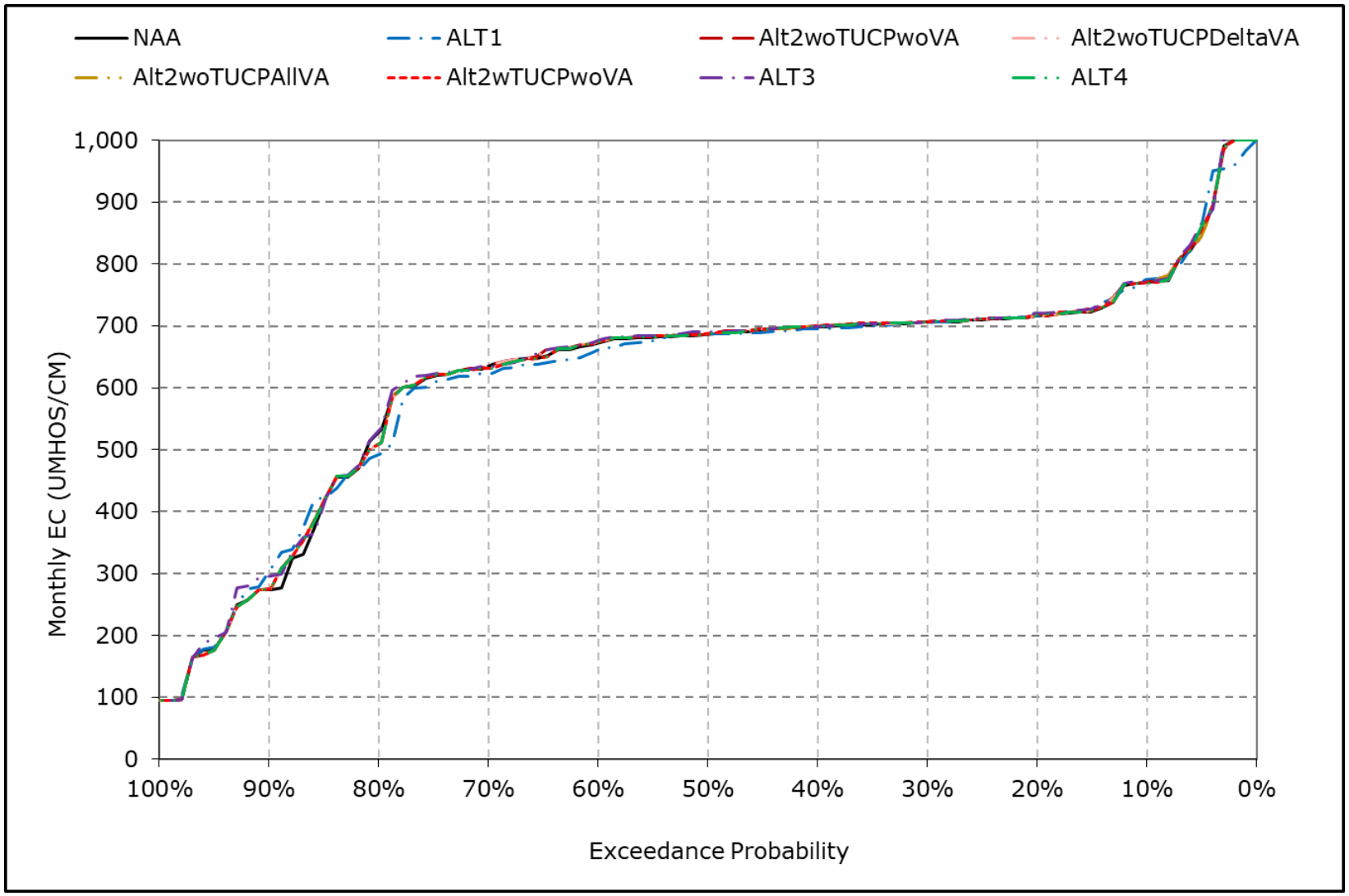
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-7-5. San Joaquin River at Vernalis Salinity (60-20-20), Dry Year Average Electrical Conductivity



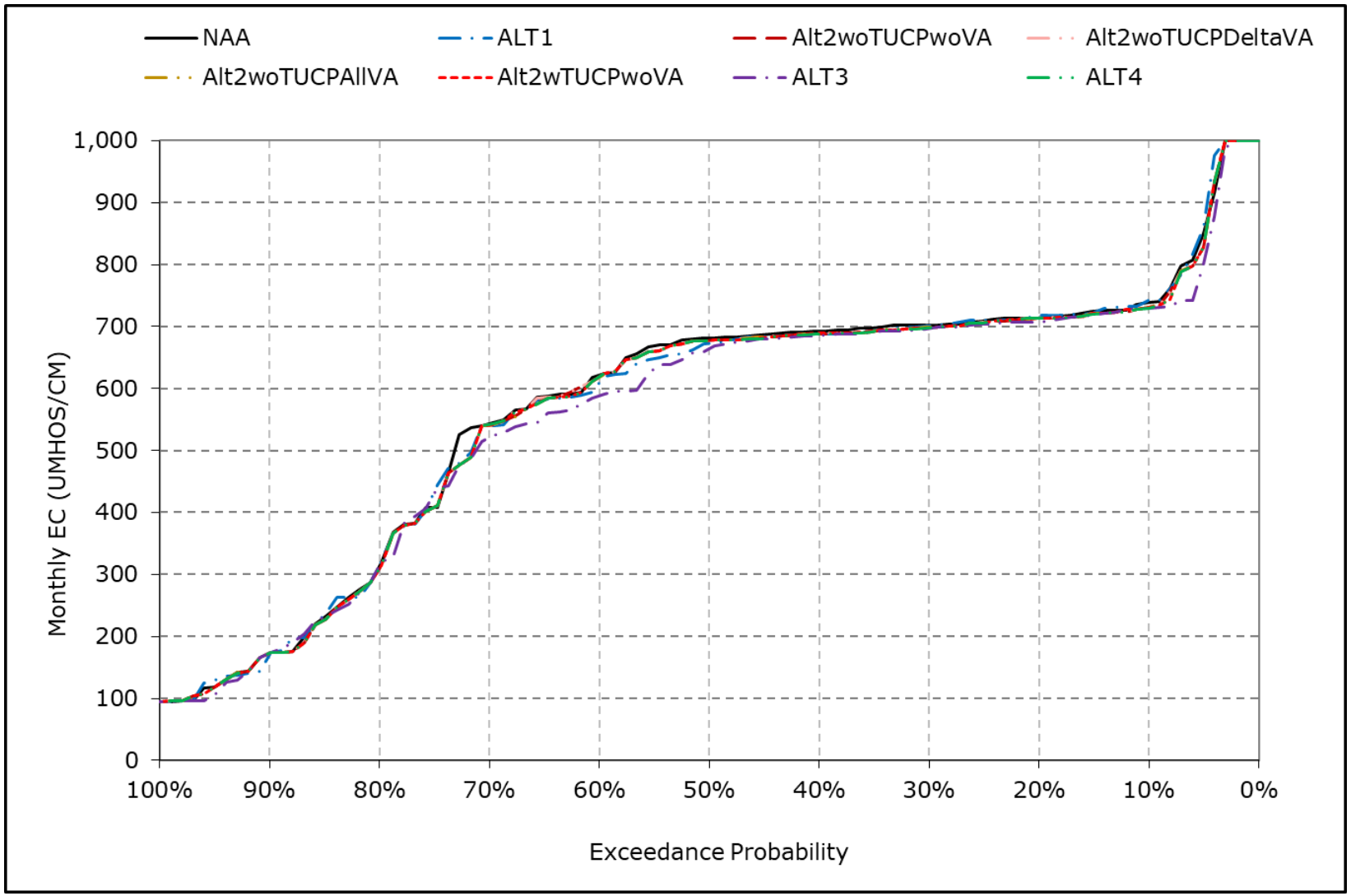
As defined by the San Joaquin Valley 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-7-6. San Joaquin River at Vernalis Salinity (60-20-20), Critical Year Average Electrical Conductivity



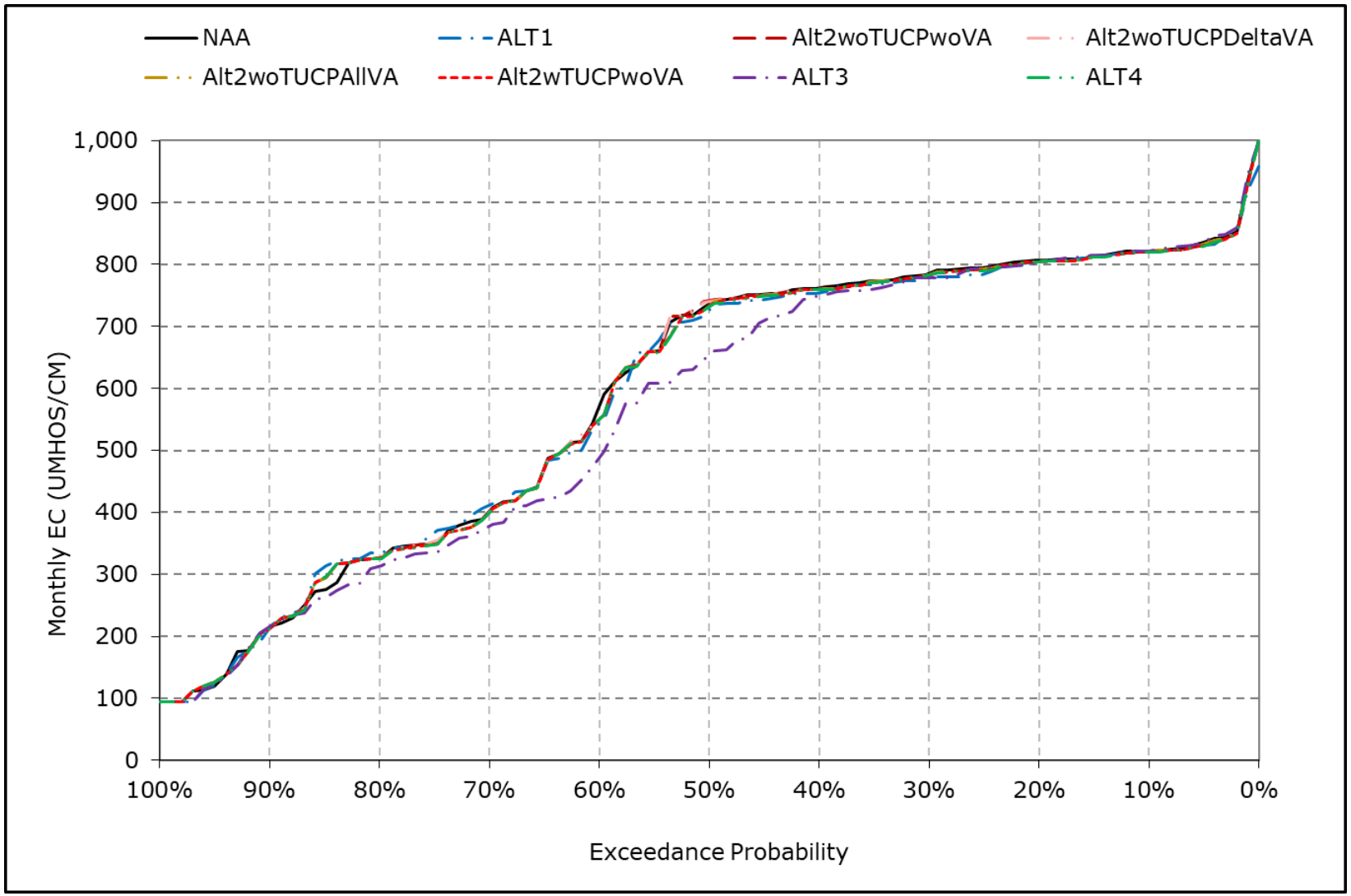
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-7-7. San Joaquin River at Vernalis Salinity (60-20-20), January Electrical Conductivity



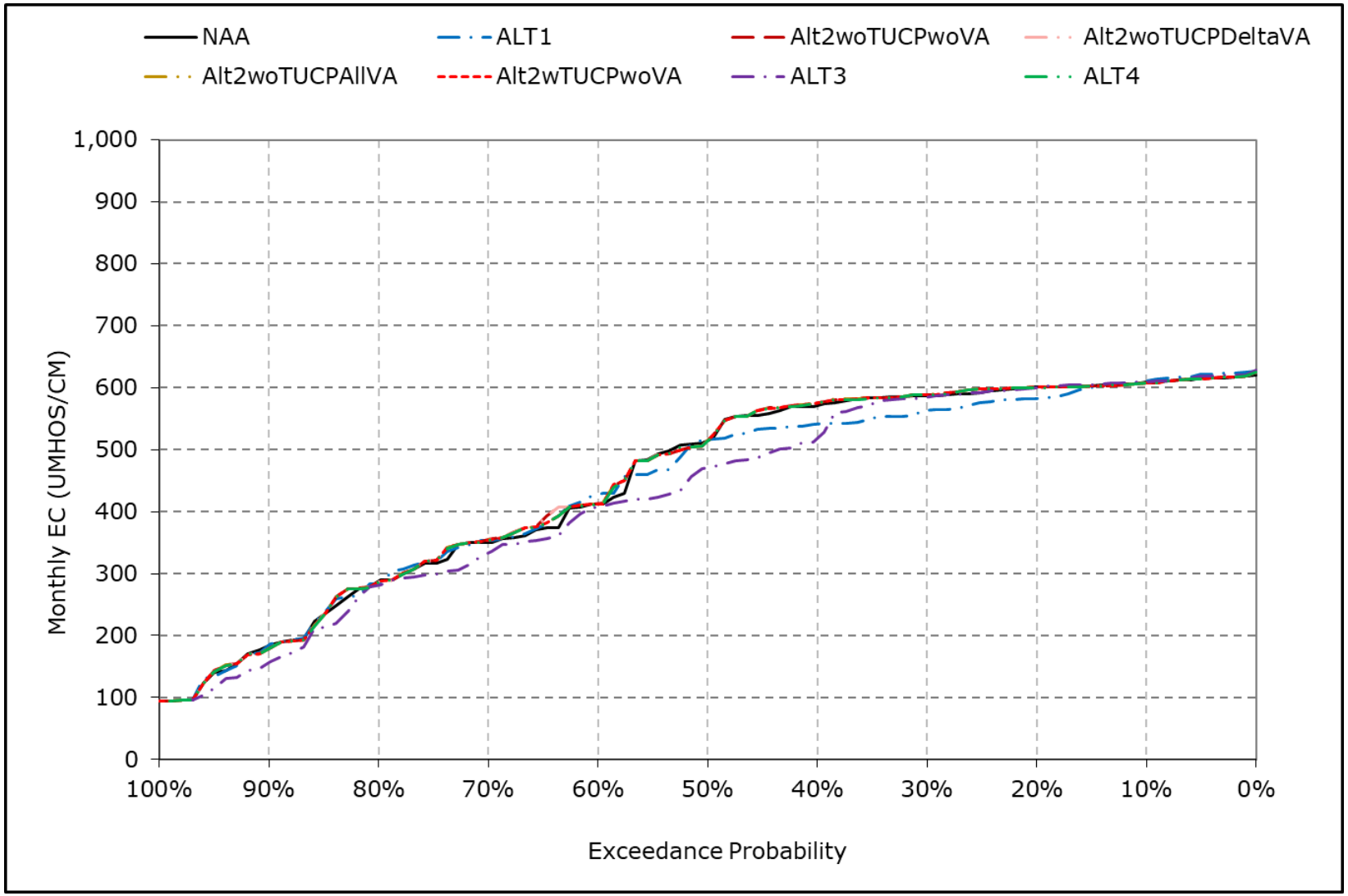
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-7-8. San Joaquin River at Vernalis Salinity (60-20-20), February Electrical Conductivity



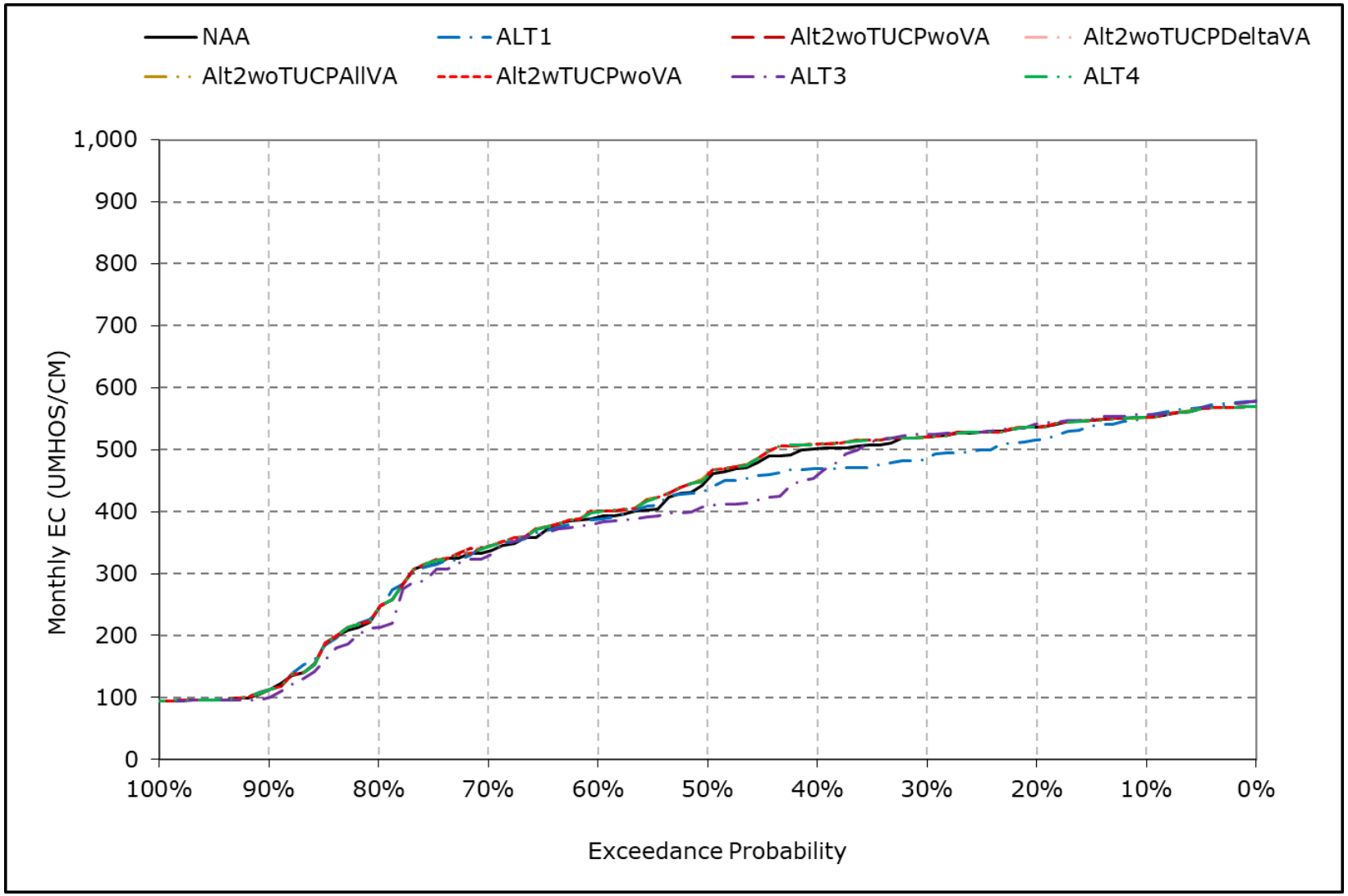
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-7-9. San Joaquin River at Vernalis Salinity (60-20-20), March Electrical Conductivity



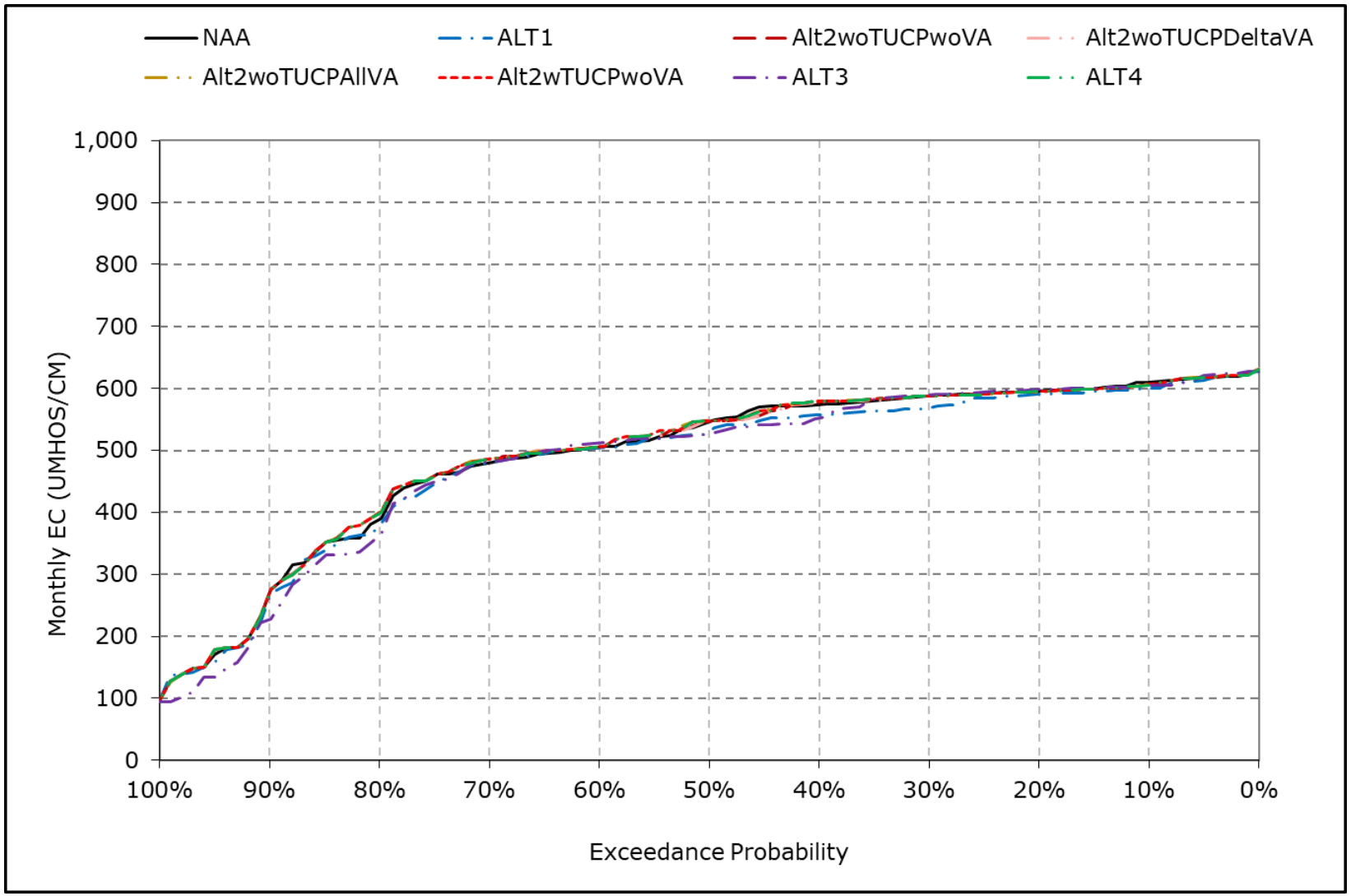
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-7-10. San Joaquin River at Vernalis Salinity (60-20-20), April Electrical Conductivity



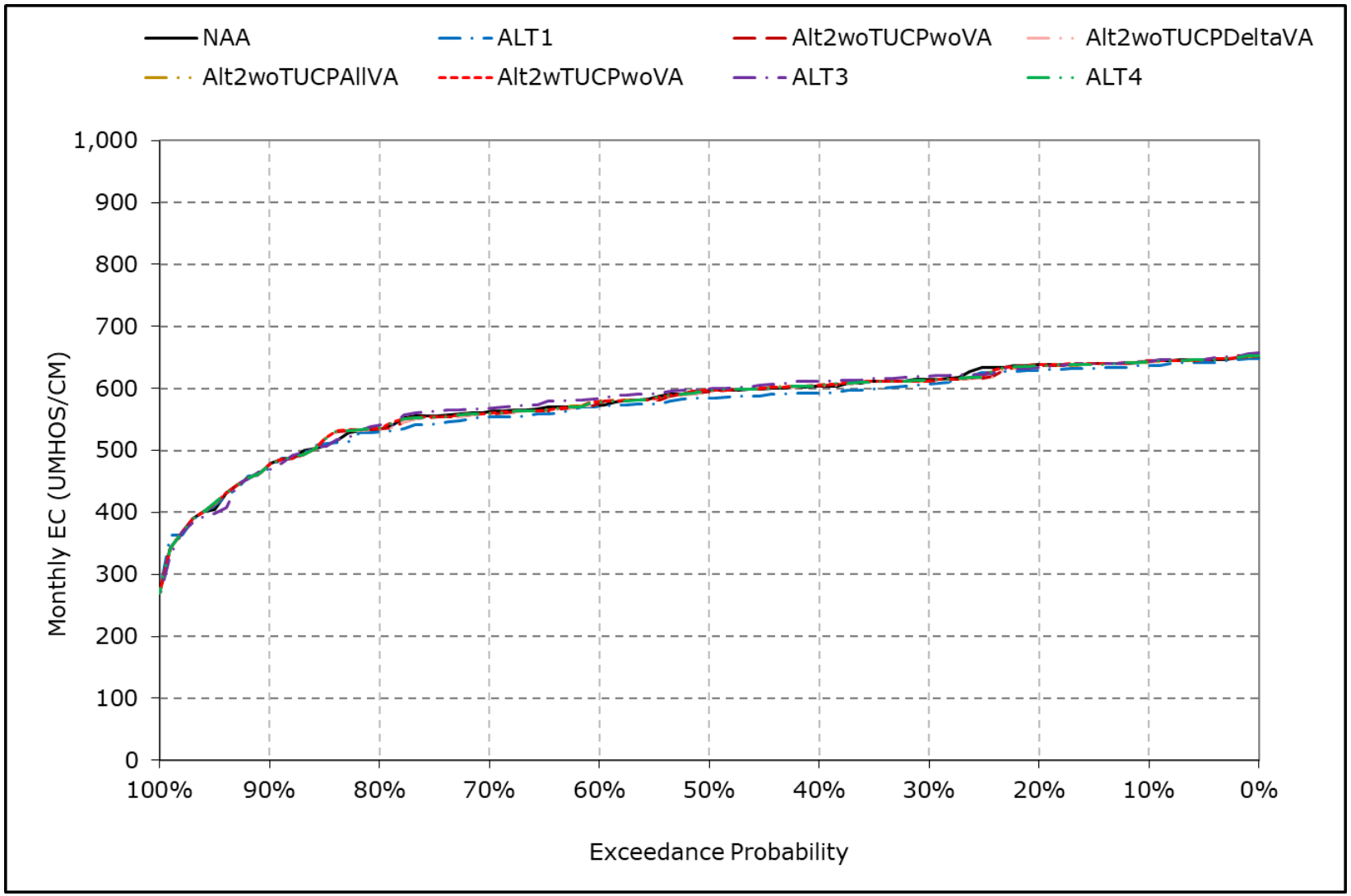
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-7-11. San Joaquin River at Vernalis Salinity (60-20-20), May Electrical Conductivity



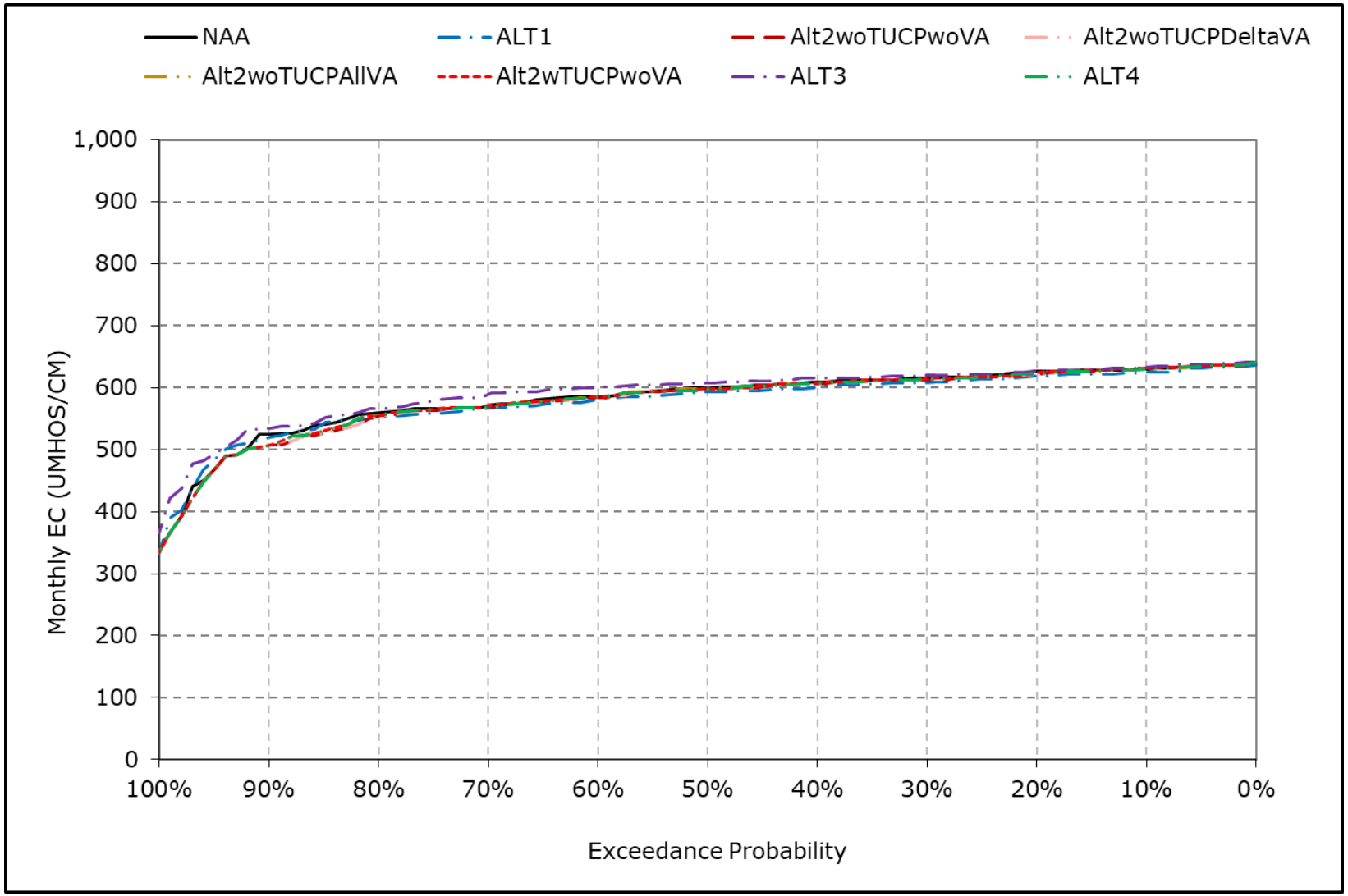
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-7-12. San Joaquin River at Vernalis Salinity (60-20-20), June Electrical Conductivity



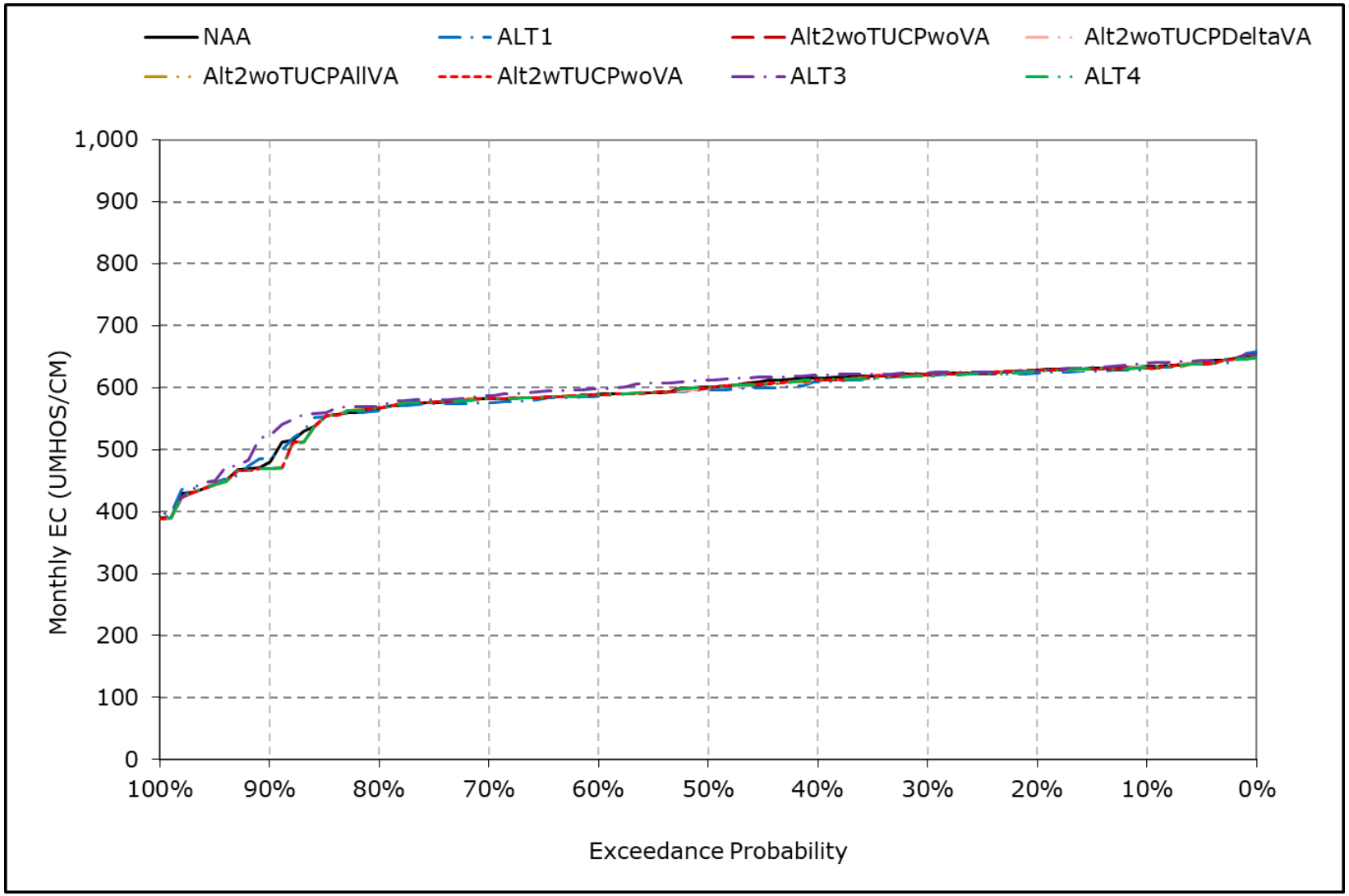
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-7-13. San Joaquin River at Vernalis Salinity (60-20-20), July Electrical Conductivity



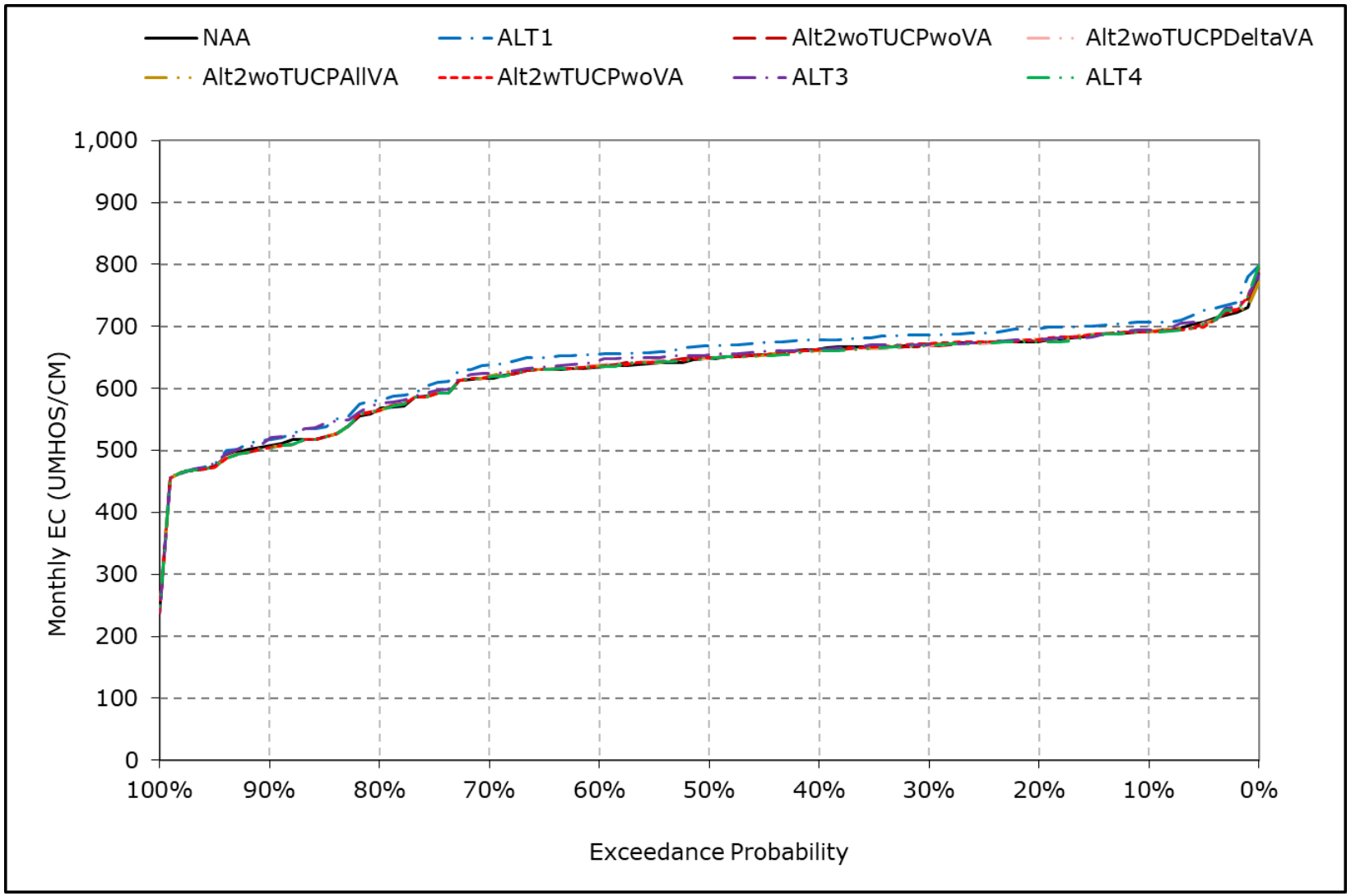
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-7-14. San Joaquin River at Vernalis Salinity (60-20-20), August Electrical Conductivity



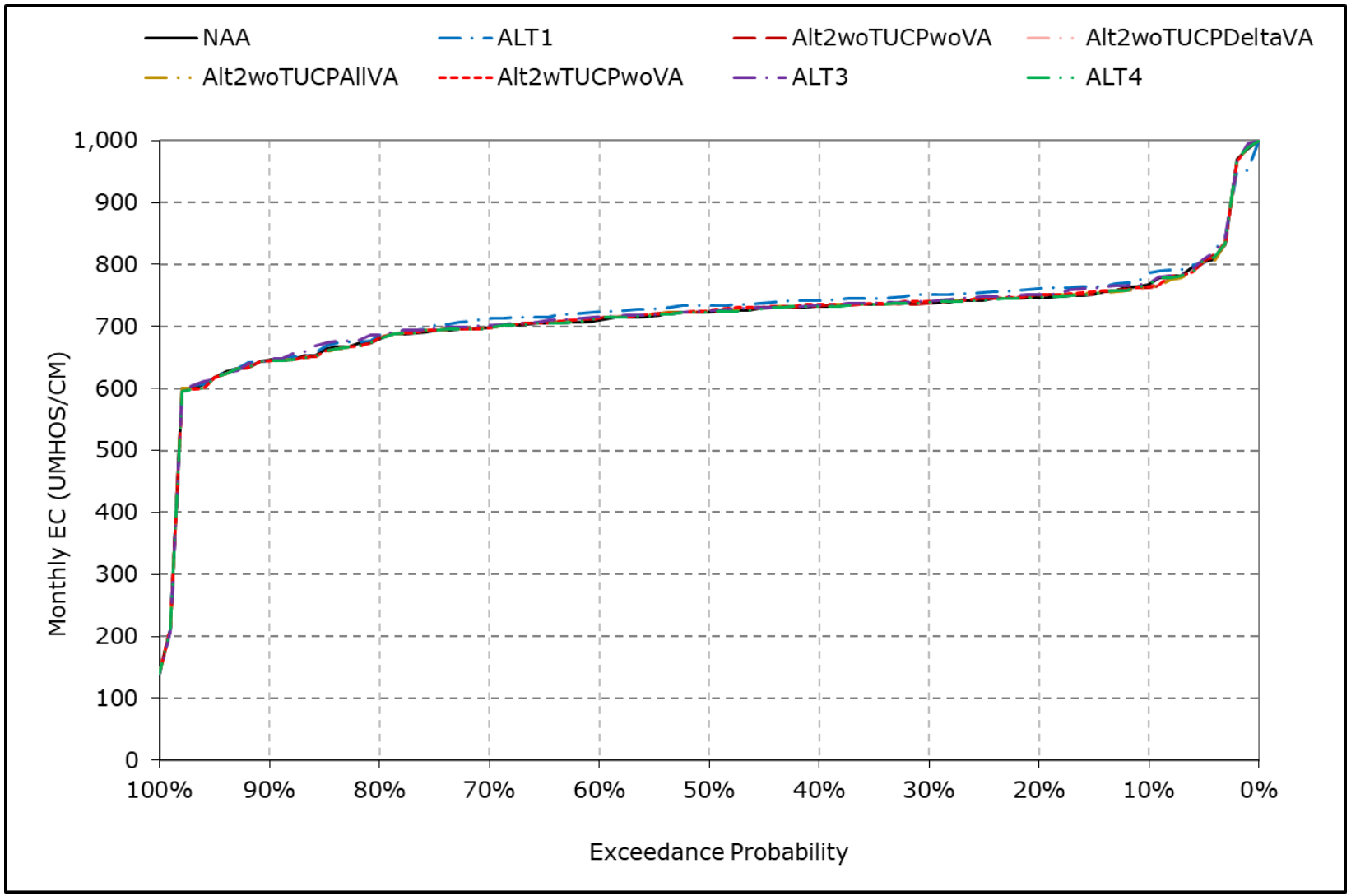
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-7-15. San Joaquin River at Vernalis Salinity (60-20-20), September Electrical Conductivity



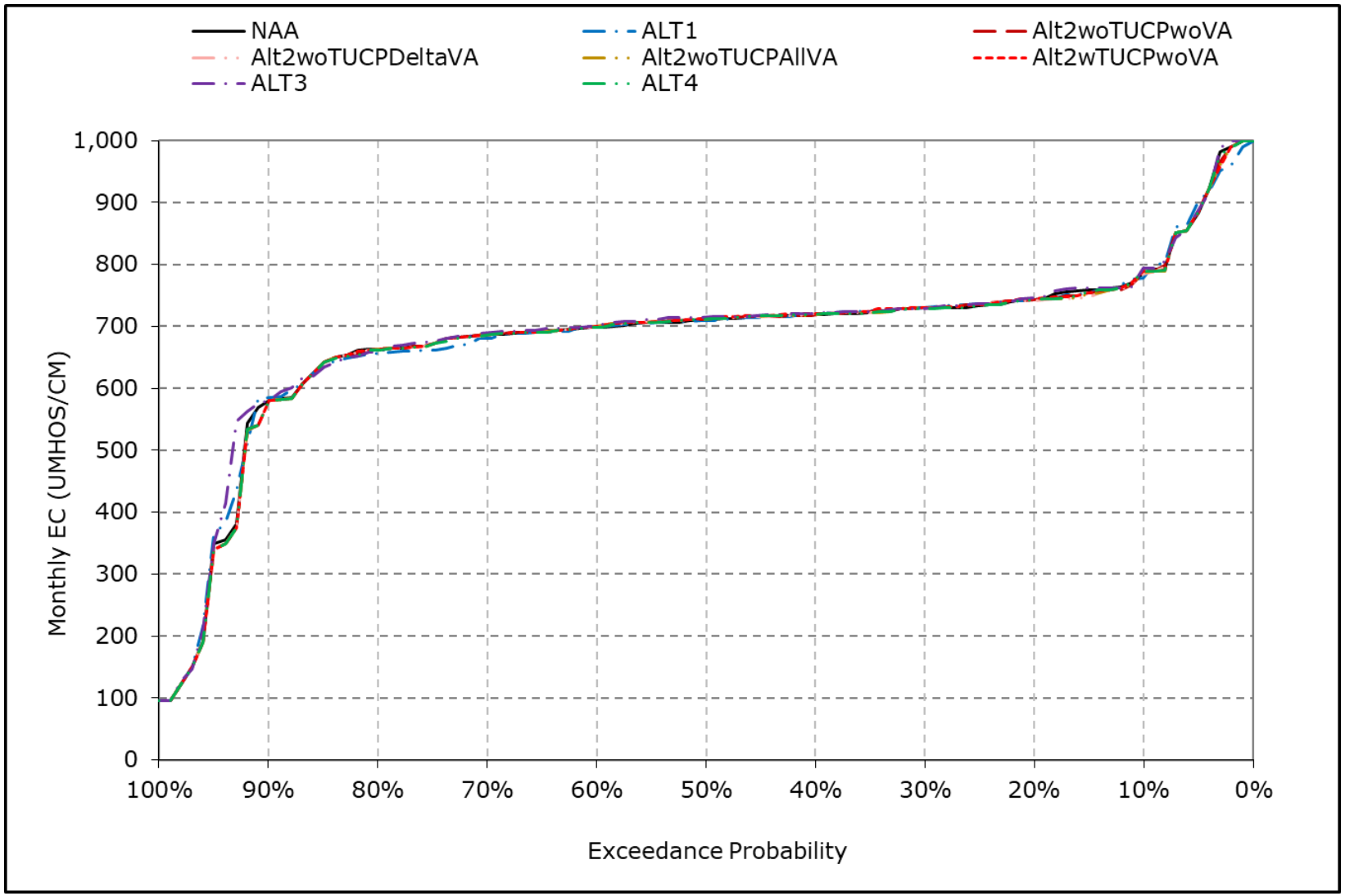
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-7-16. San Joaquin River at Vernalis Salinity (60-20-20), October Electrical Conductivity



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

Figure F.2.5-7-17. San Joaquin River at Vernalis Salinity (60-20-20), November Electrical Conductivity



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

Figure F.2.5-7-18. San Joaquin River at Vernalis Salinity (60-20-20), December Electrical Conductivity

Table F.2.5-8-1a. San Joaquin River at Jersey Point Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,921	2,049	1,960	1,519	710	337	369	654	1,105	1,283	1,529	1,768
20% Exceedance	1,793	1,900	1,759	1,143	469	282	285	308	424	914	1,305	1,729
30% Exceedance	1,707	1,788	1,683	812	341	259	253	284	375	781	1,208	1,649
40% Exceedance	1,650	1,720	1,409	529	272	244	242	268	343	681	1,097	1,588
50% Exceedance	1,493	1,299	1,255	408	250	235	236	257	302	585	881	1,515
60% Exceedance	354	949	787	290	238	225	231	235	286	449	750	587
70% Exceedance	282	881	645	235	219	221	223	223	261	383	647	529
80% Exceedance	266	791	479	217	209	213	216	217	225	347	583	463
90% Exceedance	247	429	326	204	202	204	200	181	188	263	531	413
Full Simulation Period Average[a]	1,093	1,315	1,140	631	351	261	276	342	425	673	959	1,156
Wet Water Years (28%)	280	714	1,025	240	210	207	205	199	220	322	566	464
Above Normal Years (14%)	264	787	1,168	461	248	221	233	239	261	367	620	458
Below Normal Years (18%)	1,539	1,680	995	593	306	242	243	255	337	637	1,091	1,654
Dry Water Years (24%)	1,678	1,629	1,059	915	429	274	256	281	362	802	1,113	1,662
Critical Water Years (16%)	1,966	2,025	1,630	1,084	620	391	503	872	1,120	1,402	1,565	1,660

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

Table F.2.5-8-1b. San Joaquin River at Jersey Point Salinity, Alternative 1, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,971	2,286	2,034	1,912	985	405	354	467	581	1,068	1,290	1,743
20% Exceedance	1,863	2,147	1,936	1,452	760	332	284	335	414	867	1,211	1,696
30% Exceedance	1,790	2,029	1,875	1,288	570	302	248	302	366	739	1,170	1,678
40% Exceedance	1,730	1,957	1,808	870	357	248	235	287	333	635	1,105	1,662
50% Exceedance	1,693	1,912	1,525	691	267	226	228	257	297	550	1,031	1,626
60% Exceedance	1,651	1,862	1,143	444	240	221	223	229	263	447	973	1,600
70% Exceedance	1,580	1,737	815	269	219	213	215	220	241	417	891	1,579
80% Exceedance	1,486	1,315	605	215	204	206	209	209	221	336	819	1,495
90% Exceedance	1,312	821	286	199	198	198	200	184	187	253	783	1,346
Full Simulation Period Average[a]	1,628	1,749	1,327	848	472	274	256	303	375	609	1,026	1,571
Wet Water Years (28%)	1,472	1,511	1,155	286	213	204	202	200	213	325	818	1,465
Above Normal Years (14%)	1,626	1,760	1,369	595	264	214	223	236	250	391	961	1,644
Below Normal Years (18%)	1,542	1,732	1,201	851	437	257	238	264	311	612	1,054	1,542
Dry Water Years (24%)	1,656	1,722	1,358	1,301	653	304	261	292	376	795	1,147	1,616
Critical Water Years (16%)	1,981	2,246	1,704	1,369	878	421	390	600	839	1,018	1,231	1,659

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

Table F.2.5-8-1c. San Joaquin River at Jersey Point Salinity, Alternative 1 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	50	238	74	393	276	69	-15	-186	-524	-215	-239	-25
20% Exceedance	70	247	177	309	291	51	0	27	-10	-46	-94	-33
30% Exceedance	82	241	192	477	229	43	-5	18	-8	-42	-39	30
40% Exceedance	80	237	399	341	85	4	-7	19	-10	-46	8	74
50% Exceedance	199	613	269	283	17	-9	-8	0	-5	-35	149	112
60% Exceedance	1,297	914	356	154	3	-4	-7	-6	-23	-1	224	1,012
70% Exceedance	1,298	856	170	34	0	-8	-7	-3	-21	35	244	1,050
80% Exceedance	1,220	524	126	-2	-5	-7	-7	-8	-3	-11	237	1,032
90% Exceedance	1,065	392	-39	-5	-5	-5	0	3	-1	-10	253	934
Full Simulation Period Average[a]	536	434	187	216	122	13	-20	-39	-50	-64	66	415
Wet Water Years (28%)	1,192	797	130	46	3	-3	-3	1	-7	3	253	1,001
Above Normal Years (14%)	1,362	973	201	134	16	-7	-10	-2	-11	24	342	1,186
Below Normal Years (18%)	3	53	206	258	131	15	-6	9	-26	-25	-37	-112
Dry Water Years (24%)	-22	94	300	386	224	30	6	12	14	-8	34	-47
Critical Water Years (16%)	15	221	74	285	258	29	-114	-271	-281	-385	-334	0

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

Table F.2.5-8-2a. San Joaquin River at Jersey Point Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,921	2,049	1,960	1,519	710	337	369	654	1,105	1,283	1,529	1,768
20% Exceedance	1,793	1,900	1,759	1,143	469	282	285	308	424	914	1,305	1,729
30% Exceedance	1,707	1,788	1,683	812	341	259	253	284	375	781	1,208	1,649
40% Exceedance	1,650	1,720	1,409	529	272	244	242	268	343	681	1,097	1,588
50% Exceedance	1,493	1,299	1,255	408	250	235	236	257	302	585	881	1,515
60% Exceedance	354	949	787	290	238	225	231	235	286	449	750	587
70% Exceedance	282	881	645	235	219	221	223	223	261	383	647	529
80% Exceedance	266	791	479	217	209	213	216	217	225	347	583	463
90% Exceedance	247	429	326	204	202	204	200	181	188	263	531	413
Full Simulation Period Average[a]	1,093	1,315	1,140	631	351	261	276	342	425	673	959	1,156
Wet Water Years (28%)	280	714	1,025	240	210	207	205	199	220	322	566	464
Above Normal Years (14%)	264	787	1,168	461	248	221	233	239	261	367	620	458
Below Normal Years (18%)	1,539	1,680	995	593	306	242	243	255	337	637	1,091	1,654
Dry Water Years (24%)	1,678	1,629	1,059	915	429	274	256	281	362	802	1,113	1,662
Critical Water Years (16%)	1,966	2,025	1,630	1,084	620	391	503	872	1,120	1,402	1,565	1,660

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

Table F.2.5-8-2b. San Joaquin River at Jersey Point Salinity, Alt2woTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,012	1,997	1,972	1,442	654	333	343	448	547	1,059	1,330	1,778
20% Exceedance	1,872	1,823	1,775	971	398	272	267	330	411	849	1,213	1,722
30% Exceedance	1,744	1,774	1,519	788	329	256	249	311	382	734	1,153	1,677
40% Exceedance	1,632	1,698	1,377	527	270	244	241	284	336	660	1,053	1,630
50% Exceedance	1,484	1,249	1,185	396	251	234	233	252	299	577	921	1,542
60% Exceedance	357	975	785	282	238	225	228	231	281	443	811	668
70% Exceedance	286	868	629	231	218	220	221	220	257	403	690	573
80% Exceedance	266	771	467	216	209	213	213	211	218	351	623	468
90% Exceedance	242	387	299	203	202	202	196	181	188	258	561	419
Full Simulation Period Average[a]	1,120	1,285	1,121	607	339	256	253	300	376	614	929	1,183
Wet Water Years (28%)	284	714	1,020	236	210	206	203	200	220	328	598	489
Above Normal Years (14%)	262	759	1,154	457	248	222	227	236	255	389	685	494
Below Normal Years (18%)	1,556	1,651	978	596	304	242	241	267	334	646	1,079	1,651
Dry Water Years (24%)	1,695	1,648	1,045	838	391	269	256	290	365	804	1,161	1,697
Critical Water Years (16%)	2,097	1,855	1,570	1,052	605	369	372	582	820	991	1,206	1,701

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

Table F.2.5-8-2c. San Joaquin River at Jersey Point Salinity, Alt2woTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	91	-52	12	-78	-56	-3	-26	-206	-558	-224	-199	10
20% Exceedance	78	-77	16	-172	-71	-10	-17	22	-14	-65	-92	-7
30% Exceedance	36	-14	-164	-24	-12	-3	-3	27	7	-47	-55	28
40% Exceedance	-18	-22	-32	-2	-2	0	-1	15	-7	-21	-44	42
50% Exceedance	-9	-50	-70	-12	1	-1	-3	-6	-3	-8	40	27
60% Exceedance	3	26	-2	-8	0	0	-3	-3	-5	-6	62	81
70% Exceedance	4	-14	-16	-4	-1	-1	-2	-3	-4	20	43	44
80% Exceedance	0	-20	-11	0	-1	0	-3	-6	-6	4	40	6
90% Exceedance	-4	-42	-27	-1	0	-2	-4	0	0	-6	31	7
Full Simulation Period Average[a]	28	-30	-19	-25	-12	-5	-23	-42	-49	-59	-30	27
Wet Water Years (28%)	4	-1	-5	-4	0	-1	-2	1	-1	6	33	25
Above Normal Years (14%)	-2	-27	-14	-4	1	0	-6	-3	-5	22	65	36
Below Normal Years (18%)	17	-29	-17	3	-2	0	-2	12	-3	10	-12	-3
Dry Water Years (24%)	17	20	-14	-77	-38	-5	1	9	3	1	47	35
Critical Water Years (16%)	132	-170	-60	-31	-16	-22	-131	-289	-300	-411	-359	41

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

Table F.2.5-8-3a. San Joaquin River at Jersey Point Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,921	2,049	1,960	1,519	710	337	369	654	1,105	1,283	1,529	1,768
20% Exceedance	1,793	1,900	1,759	1,143	469	282	285	308	424	914	1,305	1,729
30% Exceedance	1,707	1,788	1,683	812	341	259	253	284	375	781	1,208	1,649
40% Exceedance	1,650	1,720	1,409	529	272	244	242	268	343	681	1,097	1,588
50% Exceedance	1,493	1,299	1,255	408	250	235	236	257	302	585	881	1,515
60% Exceedance	354	949	787	290	238	225	231	235	286	449	750	587
70% Exceedance	282	881	645	235	219	221	223	223	261	383	647	529
80% Exceedance	266	791	479	217	209	213	216	217	225	347	583	463
90% Exceedance	247	429	326	204	202	204	200	181	188	263	531	413
Full Simulation Period Average[a]	1,093	1,315	1,140	631	351	261	276	342	425	673	959	1,156
Wet Water Years (28%)	280	714	1,025	240	210	207	205	199	220	322	566	464
Above Normal Years (14%)	264	787	1,168	461	248	221	233	239	261	367	620	458
Below Normal Years (18%)	1,539	1,680	995	593	306	242	243	255	337	637	1,091	1,654
Dry Water Years (24%)	1,678	1,629	1,059	915	429	274	256	281	362	802	1,113	1,662
Critical Water Years (16%)	1,966	2,025	1,630	1,084	620	391	503	872	1,120	1,402	1,565	1,660

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

Table F.2.5-8-3b. San Joaquin River at Jersey Point Salinity, Alt2woTUCPDeltaVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,036	1,953	1,979	1,442	648	326	314	448	545	1,073	1,374	1,798
20% Exceedance	1,888	1,820	1,814	976	416	274	282	332	420	910	1,266	1,739
30% Exceedance	1,743	1,759	1,563	782	328	261	261	315	392	745	1,195	1,712
40% Exceedance	1,657	1,707	1,387	558	271	249	254	288	335	669	1,085	1,651
50% Exceedance	1,478	1,234	1,214	399	252	241	243	259	301	583	984	1,579
60% Exceedance	361	983	781	282	241	231	235	241	279	458	795	667
70% Exceedance	285	891	626	233	218	226	229	225	264	390	672	565
80% Exceedance	265	828	481	216	209	215	218	215	219	350	613	478
90% Exceedance	243	392	303	203	202	202	197	182	188	255	553	422
Full Simulation Period Average[a]	1,133	1,285	1,127	629	356	260	258	303	379	626	955	1,197
Wet Water Years (28%)	285	725	1,007	241	210	207	206	202	221	324	595	493
Above Normal Years (14%)	263	776	1,151	458	249	228	243	244	259	385	669	498
Below Normal Years (18%)	1,586	1,677	996	627	305	248	252	272	341	650	1,116	1,670
Dry Water Years (24%)	1,693	1,626	1,038	841	399	264	256	291	367	835	1,230	1,721
Critical Water Years (16%)	2,149	1,819	1,625	1,140	700	389	373	582	822	1,024	1,243	1,723

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

Table F.2.5-8-3c. San Joaquin River at Jersey Point Salinity, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	115	-95	19	-77	-62	-11	-55	-205	-559	-210	-156	30
20% Exceedance	94	-80	55	-166	-53	-8	-3	24	-5	-3	-40	9
30% Exceedance	36	-29	-120	-30	-13	1	8	31	17	-36	-14	63
40% Exceedance	7	-13	-22	29	-1	5	12	20	-8	-12	-12	63
50% Exceedance	-15	-65	-41	-9	2	6	7	2	-1	-2	103	64
60% Exceedance	8	34	-6	-8	3	6	4	7	-7	9	46	80
70% Exceedance	2	10	-19	-2	-1	5	6	2	3	8	25	36
80% Exceedance	-1	37	3	0	-1	2	1	-2	-5	3	30	15
90% Exceedance	-4	-37	-23	-1	0	-2	-3	1	0	-9	22	9
Full Simulation Period Average[a]	41	-30	-13	-3	5	-1	-18	-39	-46	-47	-4	41
Wet Water Years (28%)	6	11	-18	1	0	0	1	2	0	2	29	29
Above Normal Years (14%)	-1	-11	-17	-3	1	6	10	6	-2	18	49	40
Below Normal Years (18%)	47	-3	2	34	-1	6	9	17	4	13	25	17
Dry Water Years (24%)	14	-2	-21	-74	-30	-9	1	10	5	32	117	59
Critical Water Years (16%)	184	-206	-5	56	80	-2	-130	-289	-298	-378	-322	63

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

Table F.2.5-8-4a. San Joaquin River at Jersey Point Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,921	2,049	1,960	1,519	710	337	369	654	1,105	1,283	1,529	1,768
20% Exceedance	1,793	1,900	1,759	1,143	469	282	285	308	424	914	1,305	1,729
30% Exceedance	1,707	1,788	1,683	812	341	259	253	284	375	781	1,208	1,649
40% Exceedance	1,650	1,720	1,409	529	272	244	242	268	343	681	1,097	1,588
50% Exceedance	1,493	1,299	1,255	408	250	235	236	257	302	585	881	1,515
60% Exceedance	354	949	787	290	238	225	231	235	286	449	750	587
70% Exceedance	282	881	645	235	219	221	223	223	261	383	647	529
80% Exceedance	266	791	479	217	209	213	216	217	225	347	583	463
90% Exceedance	247	429	326	204	202	204	200	181	188	263	531	413
Full Simulation Period Average[a]	1,093	1,315	1,140	631	351	261	276	342	425	673	959	1,156
Wet Water Years (28%)	280	714	1,025	240	210	207	205	199	220	322	566	464
Above Normal Years (14%)	264	787	1,168	461	248	221	233	239	261	367	620	458
Below Normal Years (18%)	1,539	1,680	995	593	306	242	243	255	337	637	1,091	1,654
Dry Water Years (24%)	1,678	1,629	1,059	915	429	274	256	281	362	802	1,113	1,662
Critical Water Years (16%)	1,966	2,025	1,630	1,084	620	391	503	872	1,120	1,402	1,565	1,660

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

Table F.2.5-8-4b. San Joaquin River at Jersey Point Salinity, Alt2woTUCPAllVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,015	1,960	1,962	1,443	641	303	302	409	477	1,064	1,387	1,795
20% Exceedance	1,891	1,817	1,818	956	440	273	273	302	400	907	1,260	1,740
30% Exceedance	1,704	1,745	1,607	769	328	258	258	286	374	734	1,185	1,689
40% Exceedance	1,638	1,672	1,394	565	270	249	250	265	323	659	1,081	1,648
50% Exceedance	1,436	1,191	1,221	389	252	239	241	246	298	586	952	1,569
60% Exceedance	361	991	787	283	237	231	234	236	279	454	782	664
70% Exceedance	285	895	629	232	218	226	228	223	254	386	667	560
80% Exceedance	264	816	485	216	209	216	217	214	220	352	610	459
90% Exceedance	242	401	309	203	203	202	197	182	188	254	537	414
Full Simulation Period Average[a]	1,121	1,283	1,129	617	337	255	253	282	360	617	944	1,193
Wet Water Years (28%)	284	725	1,006	237	210	207	205	201	221	323	590	488
Above Normal Years (14%)	262	780	1,144	454	248	228	242	238	254	379	647	485
Below Normal Years (18%)	1,536	1,647	1,000	604	304	248	248	251	332	644	1,093	1,665
Dry Water Years (24%)	1,687	1,612	1,051	855	396	264	251	272	350	831	1,227	1,718
Critical Water Years (16%)	2,136	1,864	1,621	1,082	587	358	354	513	741	990	1,232	1,724

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

Table F.2.5-8-4c. San Joaquin River at Jersey Point Salinity, Alt2woTUCPAllVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	94	-89	1	-77	-68	-33	-67	-245	-628	-219	-142	27
20% Exceedance	98	-83	59	-187	-29	-9	-12	-6	-24	-7	-45	10
30% Exceedance	-3	-43	-76	-43	-13	-1	5	2	-1	-47	-23	40
40% Exceedance	-12	-48	-15	36	-1	5	8	-3	-19	-22	-16	60
50% Exceedance	-58	-109	-35	-19	2	4	5	-11	-5	1	71	54
60% Exceedance	7	42	1	-7	0	6	3	1	-7	5	32	76
70% Exceedance	3	14	-16	-3	-1	5	5	0	-8	3	20	31
80% Exceedance	-2	24	6	0	-1	3	1	-4	-5	5	28	-4
90% Exceedance	-5	-27	-17	-1	1	-2	-3	1	0	-10	6	1
Full Simulation Period Average[a]	28	-32	-11	-14	-14	-6	-23	-60	-65	-56	-15	36
Wet Water Years (28%)	5	11	-19	-3	0	0	1	1	0	1	24	25
Above Normal Years (14%)	-2	-7	-24	-6	1	6	9	-1	-6	11	27	27
Below Normal Years (18%)	-3	-32	5	11	-2	6	4	-4	-5	7	2	11
Dry Water Years (24%)	9	-17	-8	-60	-33	-10	-5	-9	-12	28	113	55
Critical Water Years (16%)	171	-161	-9	-2	-34	-33	-150	-358	-379	-412	-333	65

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

Table F.2.5-8-5a. San Joaquin River at Jersey Point Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,921	2,049	1,960	1,519	710	337	369	654	1,105	1,283	1,529	1,768
20% Exceedance	1,793	1,900	1,759	1,143	469	282	285	308	424	914	1,305	1,729
30% Exceedance	1,707	1,788	1,683	812	341	259	253	284	375	781	1,208	1,649
40% Exceedance	1,650	1,720	1,409	529	272	244	242	268	343	681	1,097	1,588
50% Exceedance	1,493	1,299	1,255	408	250	235	236	257	302	585	881	1,515
60% Exceedance	354	949	787	290	238	225	231	235	286	449	750	587
70% Exceedance	282	881	645	235	219	221	223	223	261	383	647	529
80% Exceedance	266	791	479	217	209	213	216	217	225	347	583	463
90% Exceedance	247	429	326	204	202	204	200	181	188	263	531	413
Full Simulation Period Average[a]	1,093	1,315	1,140	631	351	261	276	342	425	673	959	1,156
Wet Water Years (28%)	280	714	1,025	240	210	207	205	199	220	322	566	464
Above Normal Years (14%)	264	787	1,168	461	248	221	233	239	261	367	620	458
Below Normal Years (18%)	1,539	1,680	995	593	306	242	243	255	337	637	1,091	1,654
Dry Water Years (24%)	1,678	1,629	1,059	915	429	274	256	281	362	802	1,113	1,662
Critical Water Years (16%)	1,966	2,025	1,630	1,084	620	391	503	872	1,120	1,402	1,565	1,660

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

Table F.2.5-8-5b. San Joaquin River at Jersey Point Salinity, Alt2wTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,936	2,038	1,939	1,475	654	341	359	625	1,116	1,315	1,513	1,769
20% Exceedance	1,795	1,875	1,768	1,004	398	275	294	330	424	917	1,294	1,720
30% Exceedance	1,732	1,796	1,663	774	330	256	249	310	385	765	1,200	1,673
40% Exceedance	1,638	1,709	1,374	534	264	244	241	284	343	675	1,110	1,621
50% Exceedance	1,489	1,207	1,257	397	250	234	232	252	302	598	924	1,527
60% Exceedance	357	975	788	282	238	225	228	231	281	454	809	667
70% Exceedance	286	868	643	231	218	219	221	220	257	403	690	573
80% Exceedance	266	771	467	216	209	213	213	211	218	351	628	471
90% Exceedance	243	385	297	203	202	202	196	181	188	257	561	423
Full Simulation Period Average[a]	1,101	1,306	1,123	608	348	261	273	344	417	669	980	1,174
Wet Water Years (28%)	285	714	1,019	236	210	206	203	200	220	328	598	489
Above Normal Years (14%)	264	762	1,157	456	248	222	226	236	255	389	688	496
Below Normal Years (18%)	1,544	1,646	993	590	304	242	241	267	335	644	1,093	1,657
Dry Water Years (24%)	1,691	1,646	1,067	857	393	269	256	290	365	807	1,166	1,699
Critical Water Years (16%)	1,986	2,003	1,529	1,037	661	403	500	858	1,074	1,329	1,498	1,637

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

Table F.2.5-8-5c. San Joaquin River at Jersey Point Salinity, Alt2wTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	16	-11	-21	-45	-56	5	-9	-28	11	32	-16	1
20% Exceedance	2	-25	9	-139	-71	-7	9	22	-1	3	-11	-10
30% Exceedance	25	8	-20	-38	-11	-3	-3	26	10	-16	-9	24
40% Exceedance	-12	-11	-36	5	-8	0	-1	15	0	-6	13	33
50% Exceedance	-4	-92	1	-11	0	-1	-4	-6	0	13	43	12
60% Exceedance	3	26	1	-9	0	0	-3	-3	-5	5	60	80
70% Exceedance	4	-14	-2	-4	-1	-2	-2	-3	-4	20	43	44
80% Exceedance	0	-20	-11	0	-1	0	-3	-6	-6	4	45	8
90% Exceedance	-4	-44	-29	-1	0	-2	-4	0	0	-6	31	10
Full Simulation Period Average[a]	8	-9	-17	-24	-3	0	-2	2	-8	-4	21	18
Wet Water Years (28%)	5	0	-6	-4	0	-1	-2	1	-1	6	32	25
Above Normal Years (14%)	0	-25	-11	-5	0	0	-7	-3	-5	22	69	39
Below Normal Years (18%)	6	-34	-2	-3	-3	0	-2	11	-2	8	1	3
Dry Water Years (24%)	13	17	8	-58	-36	-5	1	9	3	5	52	37
Critical Water Years (16%)	20	-22	-101	-46	41	11	-3	-13	-47	-73	-67	-23

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

Table F.2.5-8-6a. San Joaquin River at Jersey Point Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,921	2,049	1,960	1,519	710	337	369	654	1,105	1,283	1,529	1,768
20% Exceedance	1,793	1,900	1,759	1,143	469	282	285	308	424	914	1,305	1,729
30% Exceedance	1,707	1,788	1,683	812	341	259	253	284	375	781	1,208	1,649
40% Exceedance	1,650	1,720	1,409	529	272	244	242	268	343	681	1,097	1,588
50% Exceedance	1,493	1,299	1,255	408	250	235	236	257	302	585	881	1,515
60% Exceedance	354	949	787	290	238	225	231	235	286	449	750	587
70% Exceedance	282	881	645	235	219	221	223	223	261	383	647	529
80% Exceedance	266	791	479	217	209	213	216	217	225	347	583	463
90% Exceedance	247	429	326	204	202	204	200	181	188	263	531	413
Full Simulation Period Average[a]	1,093	1,315	1,140	631	351	261	276	342	425	673	959	1,156
Wet Water Years (28%)	280	714	1,025	240	210	207	205	199	220	322	566	464
Above Normal Years (14%)	264	787	1,168	461	248	221	233	239	261	367	620	458
Below Normal Years (18%)	1,539	1,680	995	593	306	242	243	255	337	637	1,091	1,654
Dry Water Years (24%)	1,678	1,629	1,059	915	429	274	256	281	362	802	1,113	1,662
Critical Water Years (16%)	1,966	2,025	1,630	1,084	620	391	503	872	1,120	1,402	1,565	1,660

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

Table F.2.5-8-6b. San Joaquin River at Jersey Point Salinity, Alternative 3, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,750	1,878	1,463	669	338	287	286	379	520	609	780	1,119
20% Exceedance	1,399	1,736	1,042	465	280	272	275	287	351	472	448	697
30% Exceedance	1,091	1,616	735	341	263	258	268	271	330	426	410	607
40% Exceedance	935	1,509	598	289	252	251	260	260	304	394	386	569
50% Exceedance	722	1,040	490	263	247	243	245	254	294	356	365	527
60% Exceedance	266	371	324	235	235	239	237	247	280	334	335	315
70% Exceedance	243	280	276	228	225	229	229	239	268	300	315	265
80% Exceedance	235	257	246	216	212	220	218	227	249	277	284	253
90% Exceedance	221	244	219	203	203	206	198	172	180	243	267	248
Full Simulation Period Average[a]	811	1,009	652	363	267	249	260	289	323	404	429	557
Wet Water Years (28%)	238	285	312	220	216	219	214	199	224	255	276	261
Above Normal Years (14%)	235	256	289	242	227	230	246	247	275	325	314	253
Below Normal Years (18%)	799	1,359	840	339	249	248	250	257	323	438	407	566
Dry Water Years (24%)	1,169	1,476	910	404	281	252	248	267	293	387	393	627
Critical Water Years (16%)	1,897	1,946	1,014	686	393	318	378	553	586	722	876	1,228

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

Table F.2.5-8-6c. San Joaquin River at Jersey Point Salinity, Alternative 3 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-171	-170	-497	-851	-372	-50	-83	-275	-585	-674	-749	-648
20% Exceedance	-394	-164	-717	-678	-189	-10	-10	-20	-73	-441	-857	-1,033
30% Exceedance	-616	-172	-948	-471	-77	-2	15	-13	-45	-355	-798	-1,042
40% Exceedance	-715	-211	-811	-239	-20	8	18	-9	-39	-288	-711	-1,019
50% Exceedance	-771	-259	-765	-145	-4	8	9	-3	-8	-228	-516	-988
60% Exceedance	-87	-577	-463	-56	-3	14	7	12	-5	-115	-414	-273
70% Exceedance	-39	-601	-369	-7	6	8	6	15	7	-83	-332	-264
80% Exceedance	-32	-534	-232	0	3	7	2	10	24	-70	-299	-210
90% Exceedance	-26	-184	-107	-1	1	3	-1	-9	-8	-20	-264	-165
Full Simulation Period Average[a]	-282	-306	-488	-268	-84	-12	-16	-53	-102	-269	-530	-599
Wet Water Years (28%)	-41	-430	-713	-19	5	12	9	0	4	-67	-290	-203
Above Normal Years (14%)	-29	-531	-880	-219	-20	9	13	8	14	-42	-305	-204
Below Normal Years (18%)	-740	-321	-155	-254	-57	6	7	2	-14	-198	-685	-1,088
Dry Water Years (24%)	-509	-152	-149	-512	-148	-22	-8	-14	-69	-415	-720	-1,036
Critical Water Years (16%)	-68	-79	-616	-398	-227	-73	-125	-319	-535	-681	-689	-432

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

Table F.2.5-8-7a. San Joaquin River at Jersey Point Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,921	2,049	1,960	1,519	710	337	369	654	1,105	1,283	1,529	1,768
20% Exceedance	1,793	1,900	1,759	1,143	469	282	285	308	424	914	1,305	1,729
30% Exceedance	1,707	1,788	1,683	812	341	259	253	284	375	781	1,208	1,649
40% Exceedance	1,650	1,720	1,409	529	272	244	242	268	343	681	1,097	1,588
50% Exceedance	1,493	1,299	1,255	408	250	235	236	257	302	585	881	1,515
60% Exceedance	354	949	787	290	238	225	231	235	286	449	750	587
70% Exceedance	282	881	645	235	219	221	223	223	261	383	647	529
80% Exceedance	266	791	479	217	209	213	216	217	225	347	583	463
90% Exceedance	247	429	326	204	202	204	200	181	188	263	531	413
Full Simulation Period Average[a]	1,093	1,315	1,140	631	351	261	276	342	425	673	959	1,156
Wet Water Years (28%)	280	714	1,025	240	210	207	205	199	220	322	566	464
Above Normal Years (14%)	264	787	1,168	461	248	221	233	239	261	367	620	458
Below Normal Years (18%)	1,539	1,680	995	593	306	242	243	255	337	637	1,091	1,654
Dry Water Years (24%)	1,678	1,629	1,059	915	429	274	256	281	362	802	1,113	1,662
Critical Water Years (16%)	1,966	2,025	1,630	1,084	620	391	503	872	1,120	1,402	1,565	1,660

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

Table F.2.5-8-7b. San Joaquin River at Jersey Point Salinity, Alternative 4, Monthly Electrical Conductivity (UMHOS/CM)

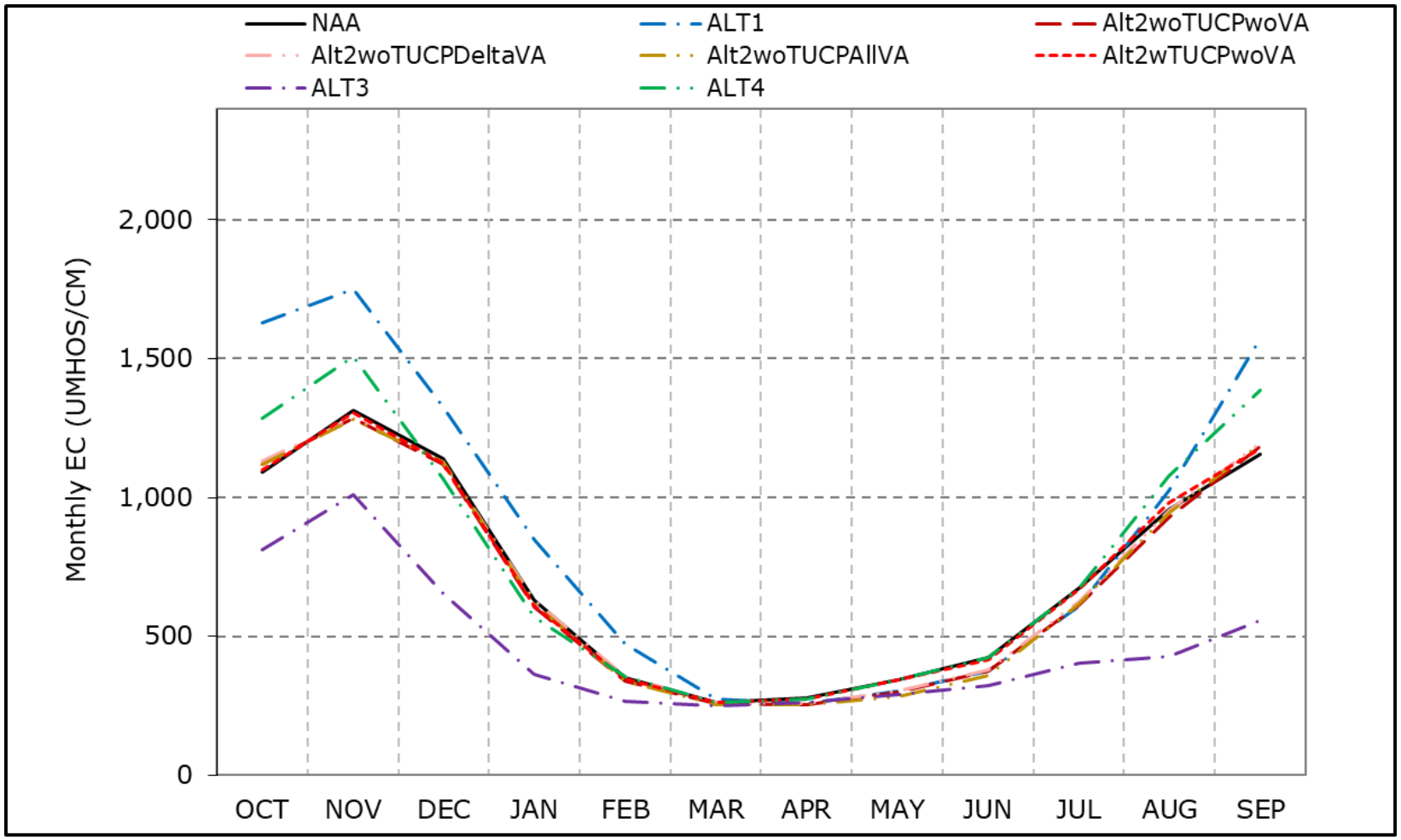
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,957	2,061	1,752	1,381	767	359	379	627	1,151	1,288	1,476	1,766
20% Exceedance	1,808	1,917	1,628	1,002	447	278	287	332	427	902	1,316	1,733
30% Exceedance	1,743	1,817	1,530	622	333	255	248	310	386	745	1,211	1,674
40% Exceedance	1,658	1,747	1,323	465	260	243	239	284	346	673	1,126	1,623
50% Exceedance	1,510	1,685	1,091	345	248	232	232	251	303	602	1,046	1,518
60% Exceedance	966	1,544	843	283	231	223	226	231	281	454	951	1,328
70% Exceedance	776	1,336	612	233	217	218	220	220	259	402	890	1,160
80% Exceedance	673	1,081	466	218	209	212	212	211	219	365	841	939
90% Exceedance	545	644	315	204	202	201	196	181	188	261	811	815
Full Simulation Period Average[a]	1,286	1,509	1,066	569	354	262	274	344	422	673	1,077	1,385
Wet Water Years (28%)	729	1,193	902	231	210	206	202	200	220	328	809	970
Above Normal Years (14%)	600	1,191	1,108	327	234	220	225	235	256	390	968	1,015
Below Normal Years (18%)	1,565	1,667	976	510	295	240	240	266	337	641	1,082	1,654
Dry Water Years (24%)	1,693	1,656	1,042	833	442	278	257	290	366	816	1,172	1,705
Critical Water Years (16%)	2,028	1,990	1,478	1,045	646	398	508	859	1,099	1,342	1,493	1,654

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

Table F.2.5-8-7c. San Joaquin River at Jersey Point Salinity, Alternative 4 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

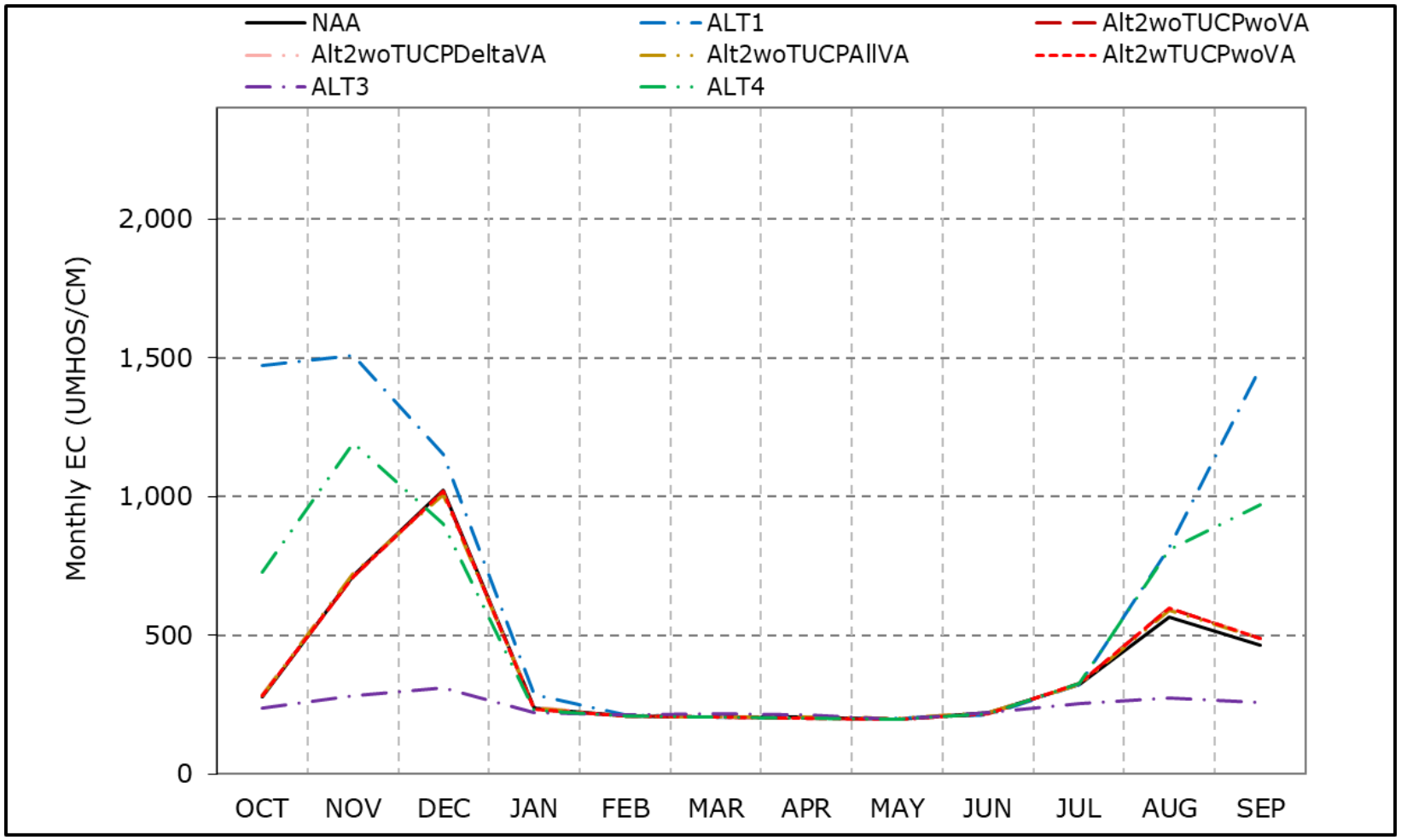
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	36	13	-209	-139	57	23	10	-27	47	5	-53	-2
20% Exceedance	14	18	-131	-141	-22	-4	2	24	2	-12	10	4
30% Exceedance	36	29	-153	-190	-8	-4	-5	26	11	-36	3	25
40% Exceedance	8	27	-87	-64	-12	-1	-3	15	3	-8	30	35
50% Exceedance	17	386	-164	-63	-2	-3	-4	-6	1	18	164	3
60% Exceedance	612	595	57	-8	-7	-2	-5	-4	-5	5	202	741
70% Exceedance	494	455	-33	-2	-1	-3	-3	-3	-3	20	243	631
80% Exceedance	407	290	-13	2	-1	-1	-4	-6	-6	19	258	476
90% Exceedance	298	215	-11	0	0	-2	-4	0	0	-2	280	402
Full Simulation Period Average[a]	194	194	-74	-62	3	1	-2	2	-3	0	118	229
Wet Water Years (28%)	450	478	-123	-9	0	-2	-3	0	-1	6	243	506
Above Normal Years (14%)	336	405	-60	-133	-14	-2	-8	-3	-5	23	348	557
Below Normal Years (18%)	27	-13	-19	-84	-11	-2	-4	11	0	5	-9	0
Dry Water Years (24%)	15	28	-17	-82	13	4	1	10	4	14	59	43
Critical Water Years (16%)	62	-35	-152	-39	26	6	4	-13	-21	-60	-72	-6

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



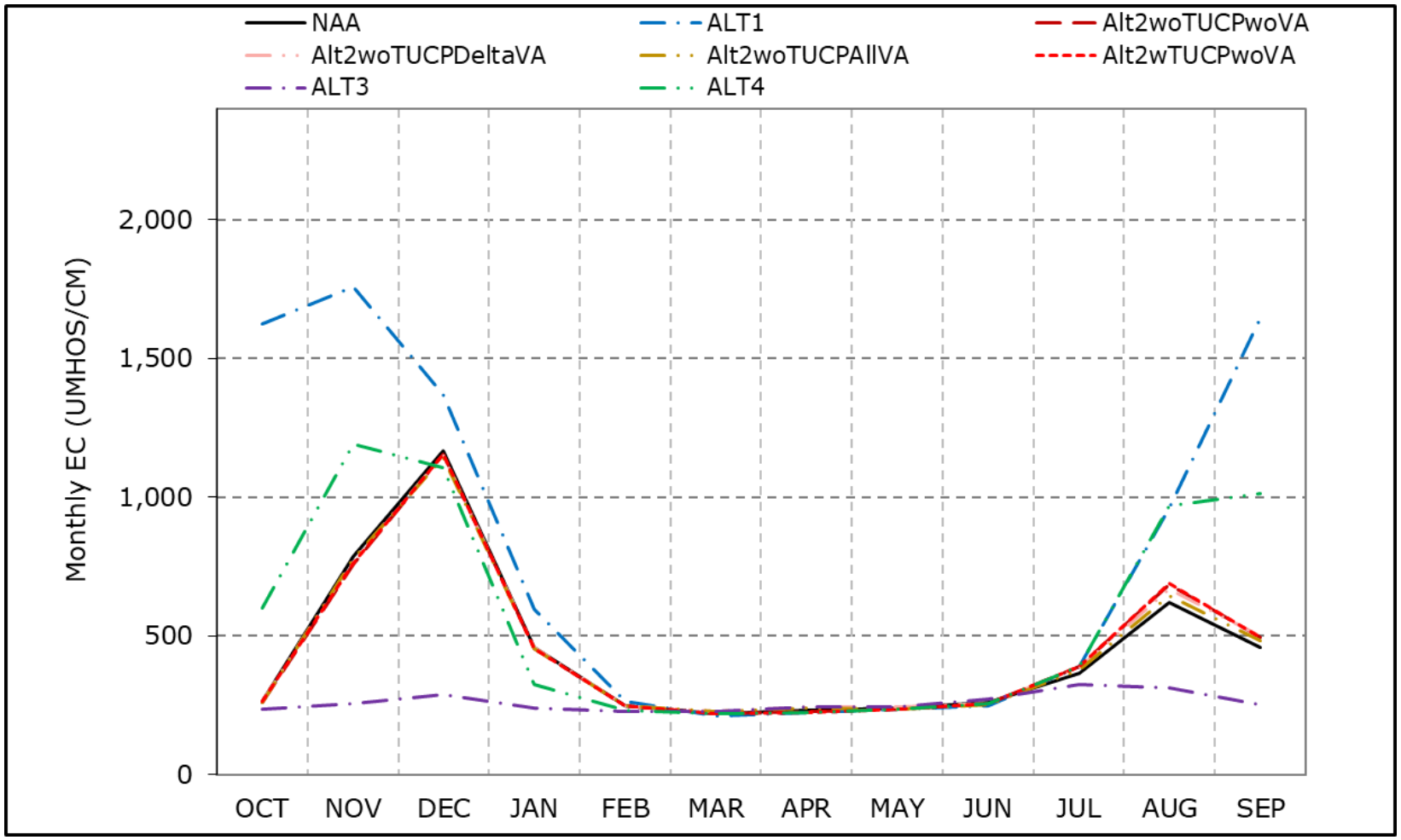
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-8-1. San Joaquin River at Jersey Point Salinity, Long-Term Average Electrical Conductivity



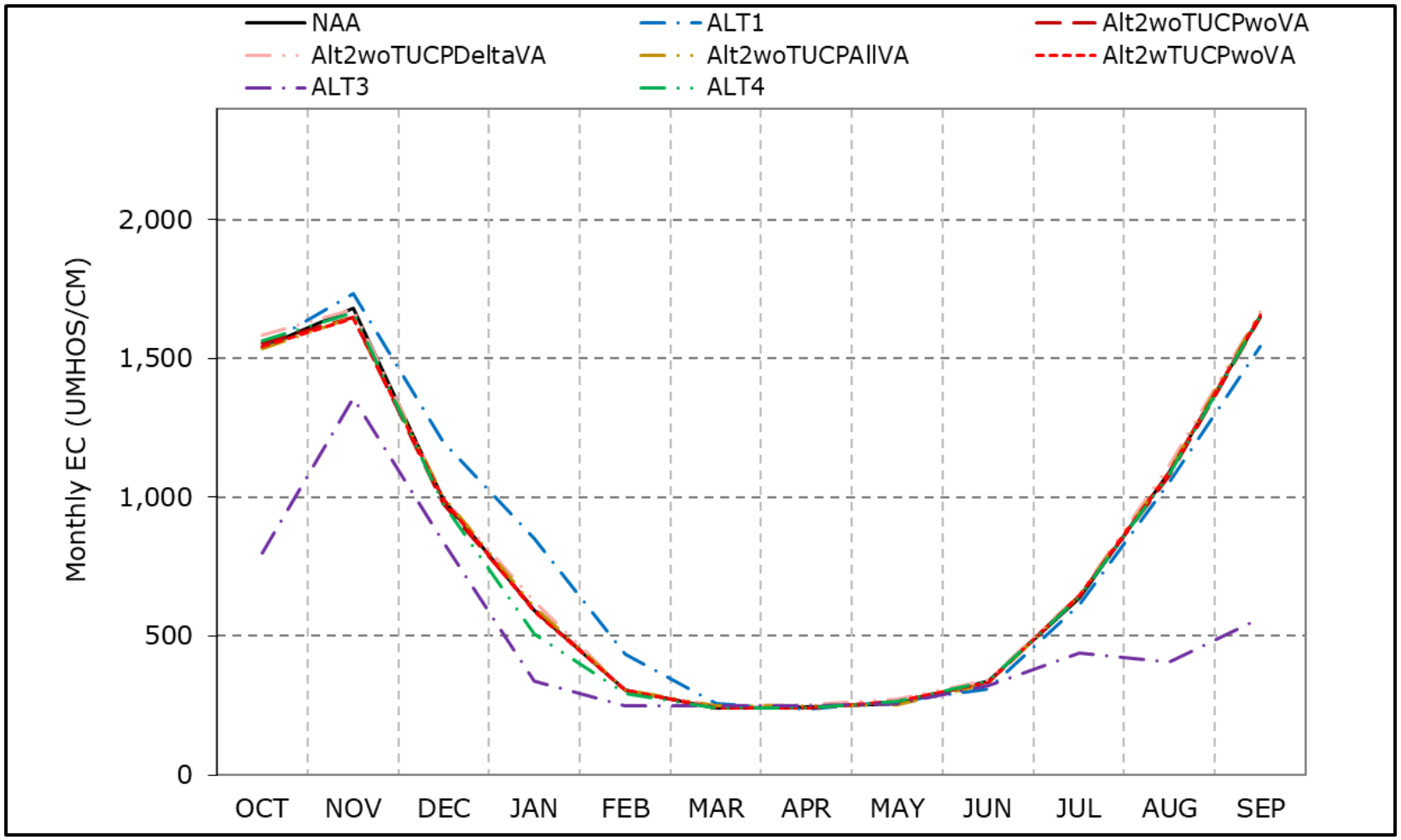
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-8-2. San Joaquin River at Jersey Point Salinity, Wet Year Average Electrical Conductivity



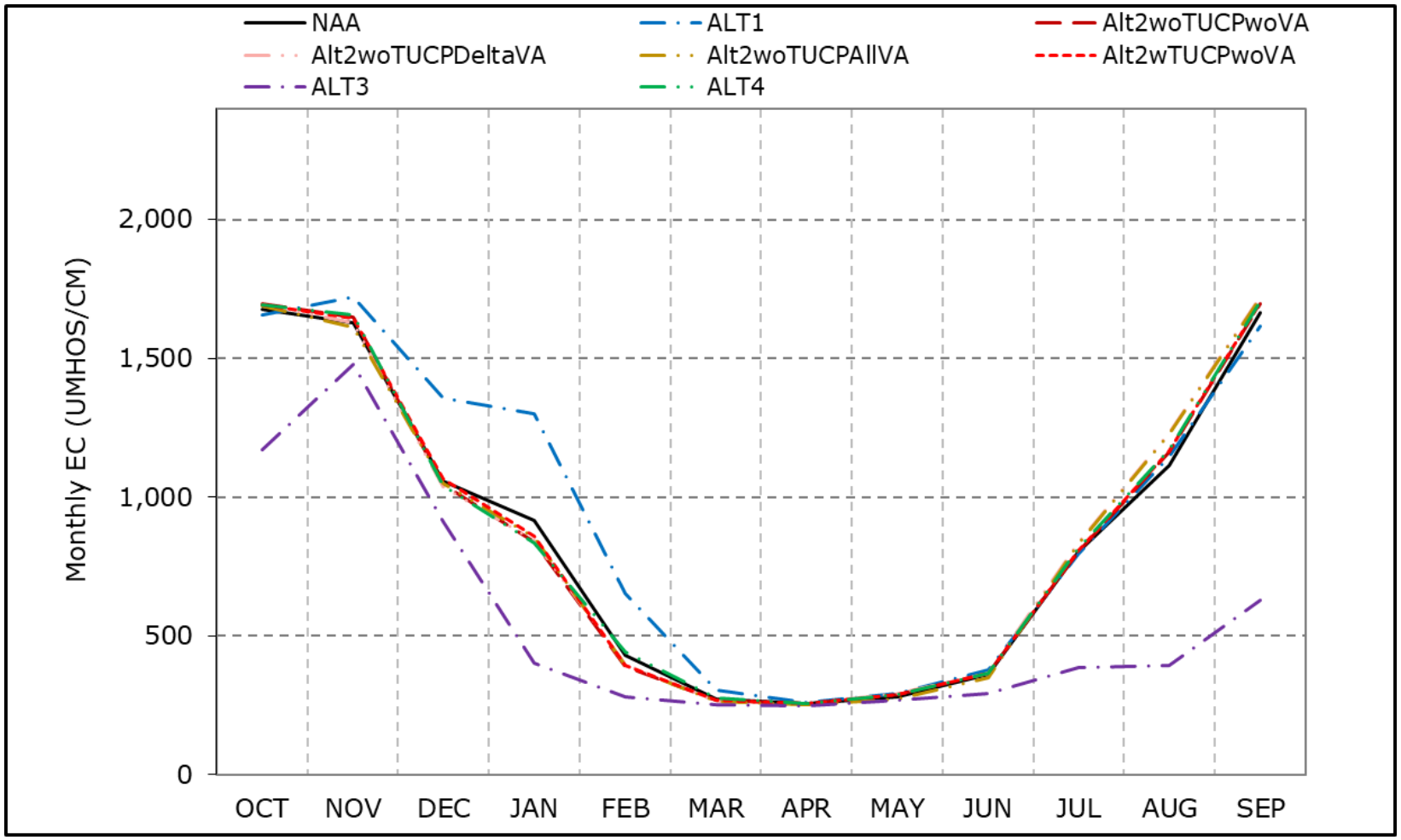
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-8-3. San Joaquin River at Jersey Point Salinity, Above Normal Year Average Electrical Conductivity



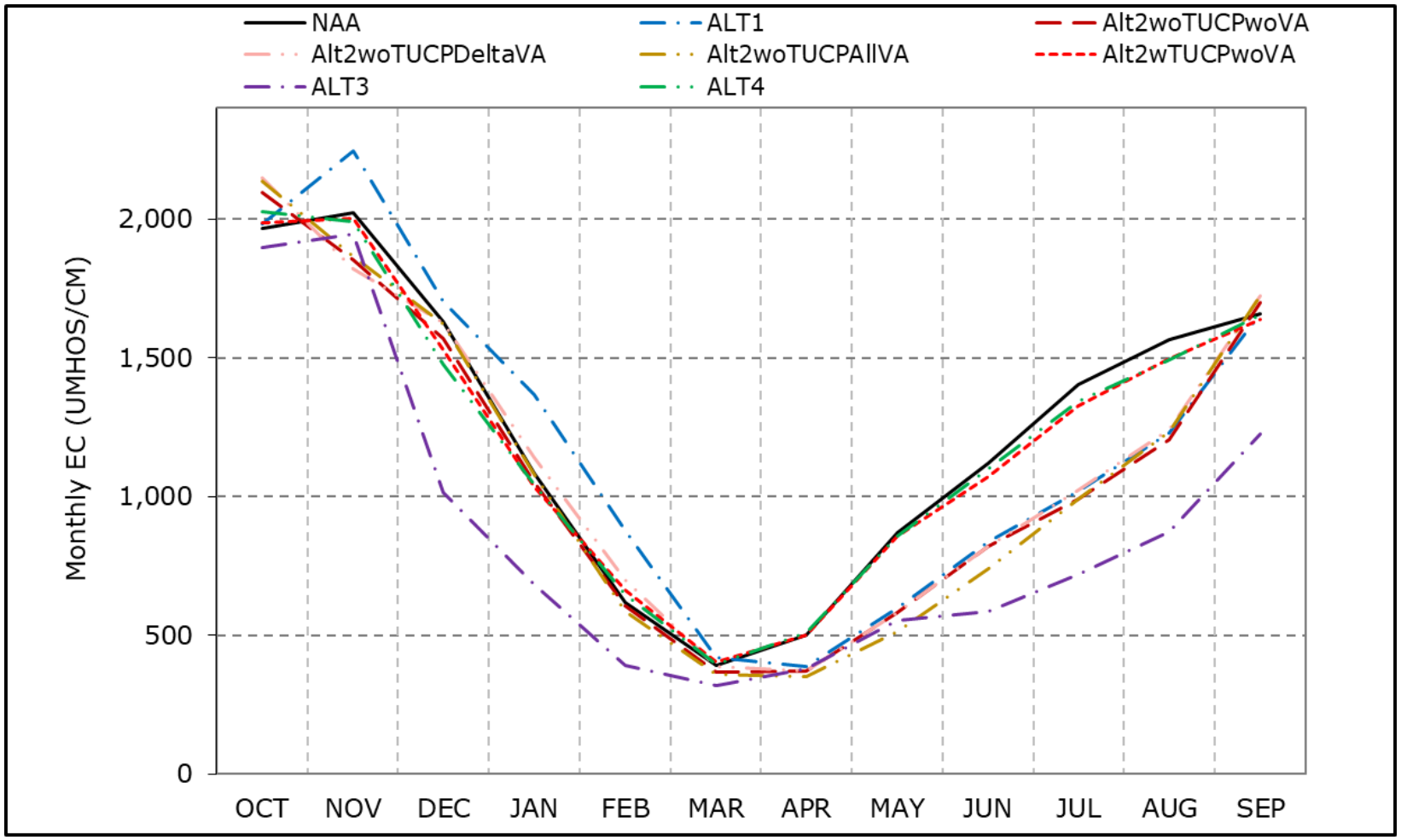
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-8-4. San Joaquin River at Jersey Point Salinity, Below Normal Year Average Electrical Conductivity



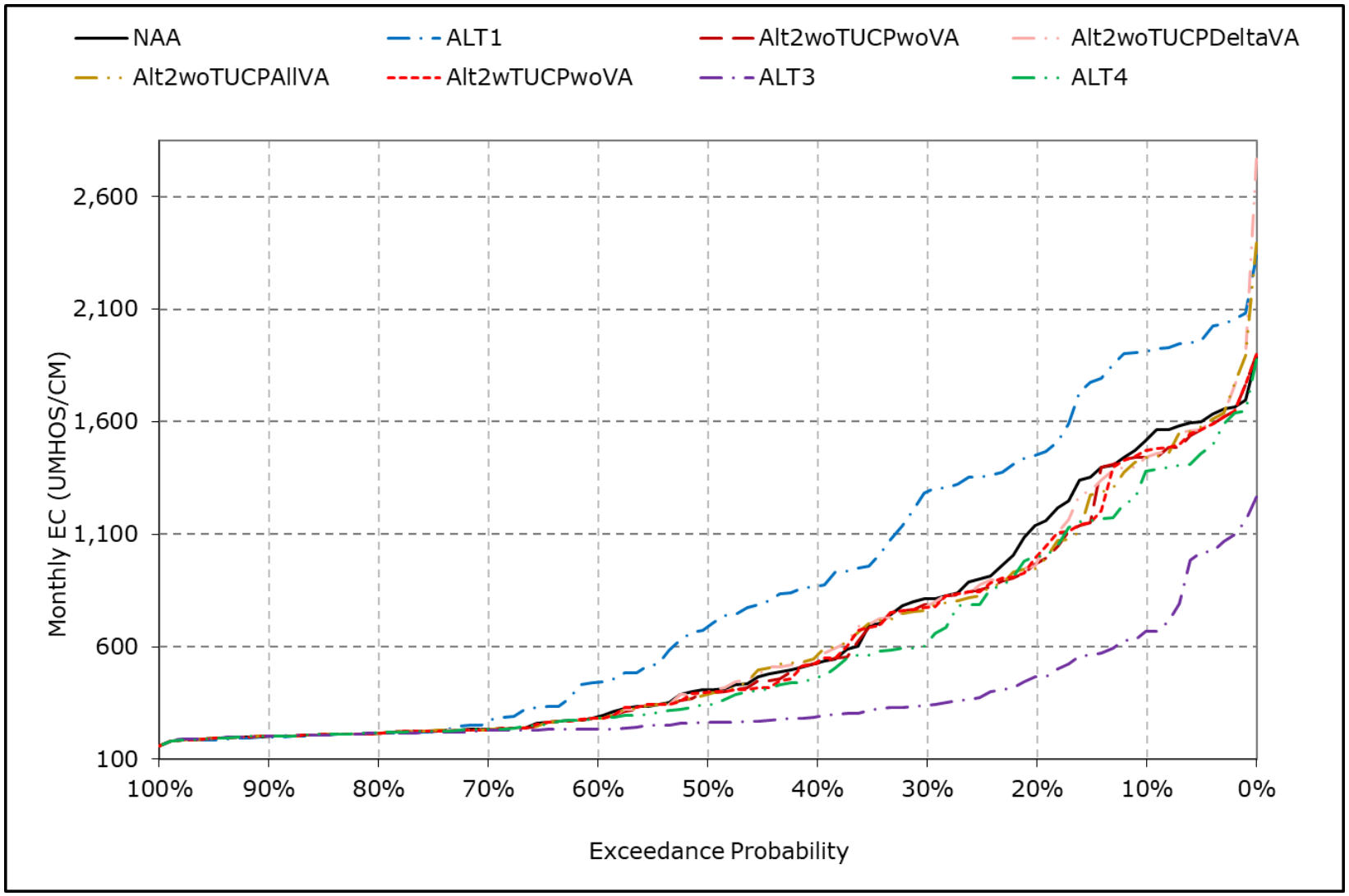
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-8-5. San Joaquin River at Jersey Point Salinity, Dry Year Average Electrical Conductivity



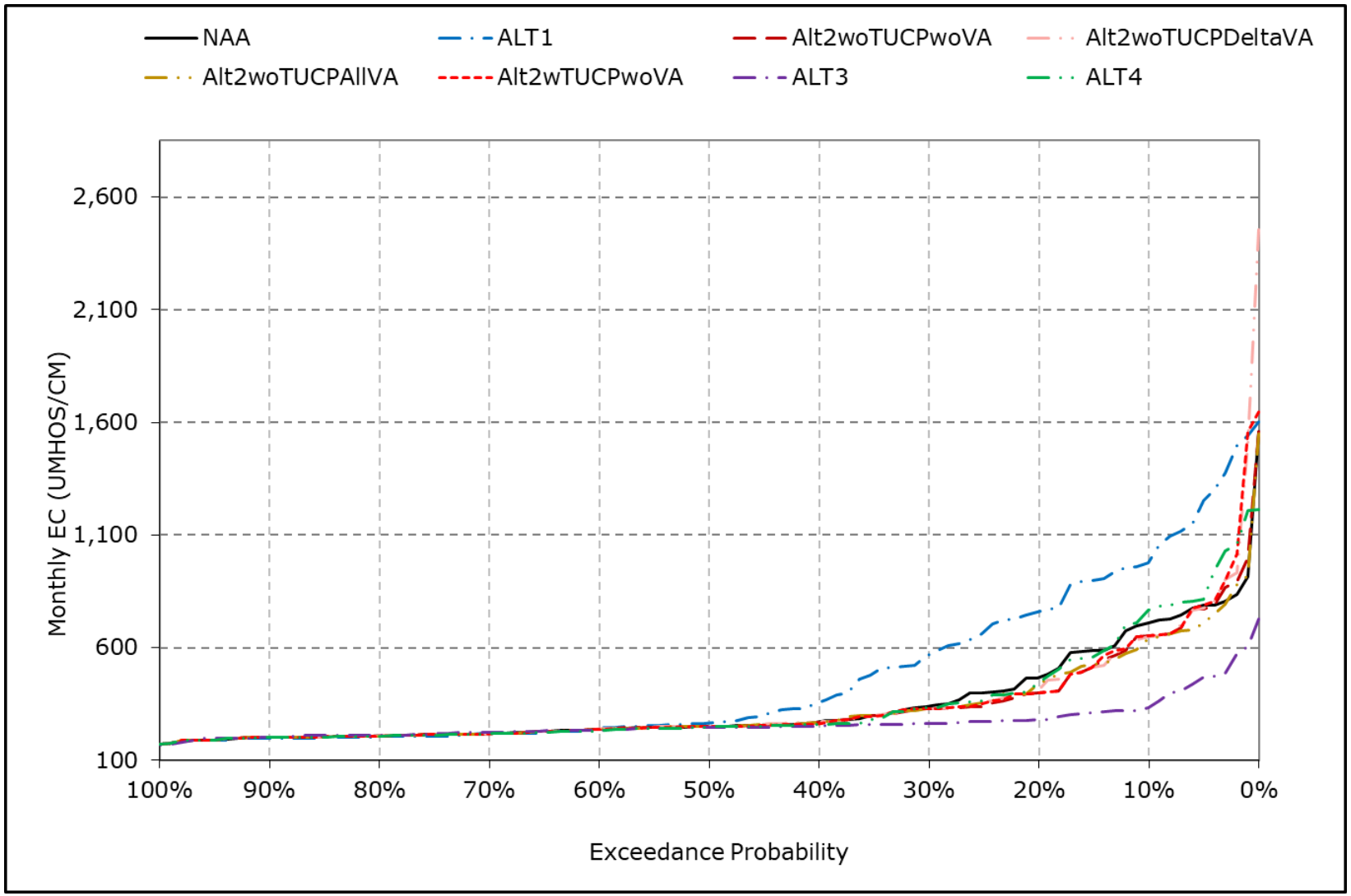
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-8-6. San Joaquin River at Jersey Point Salinity, Critical Year Average Electrical Conductivity



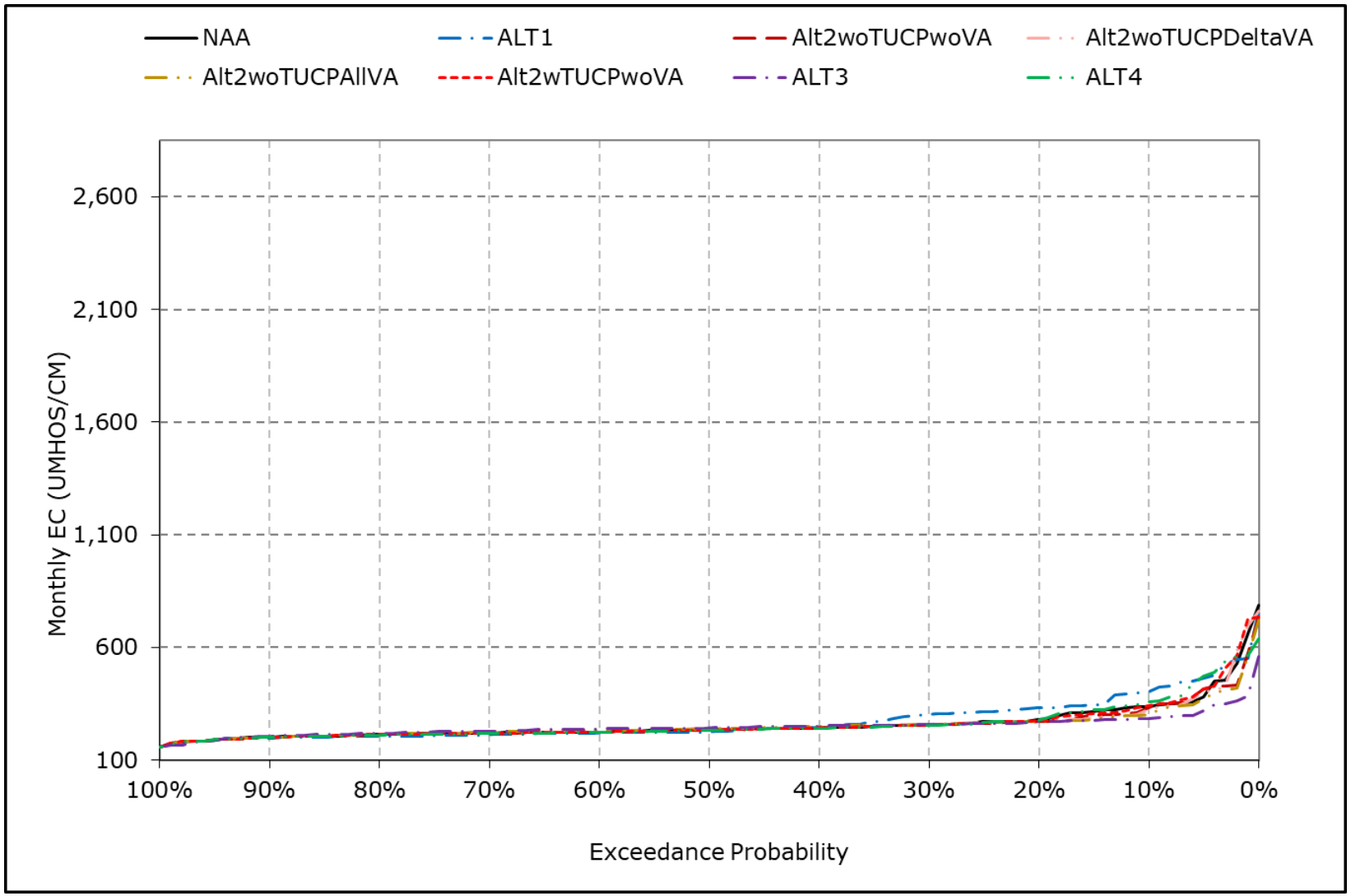
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-8-7. San Joaquin River at Jersey Point Salinity, January Electrical Conductivity



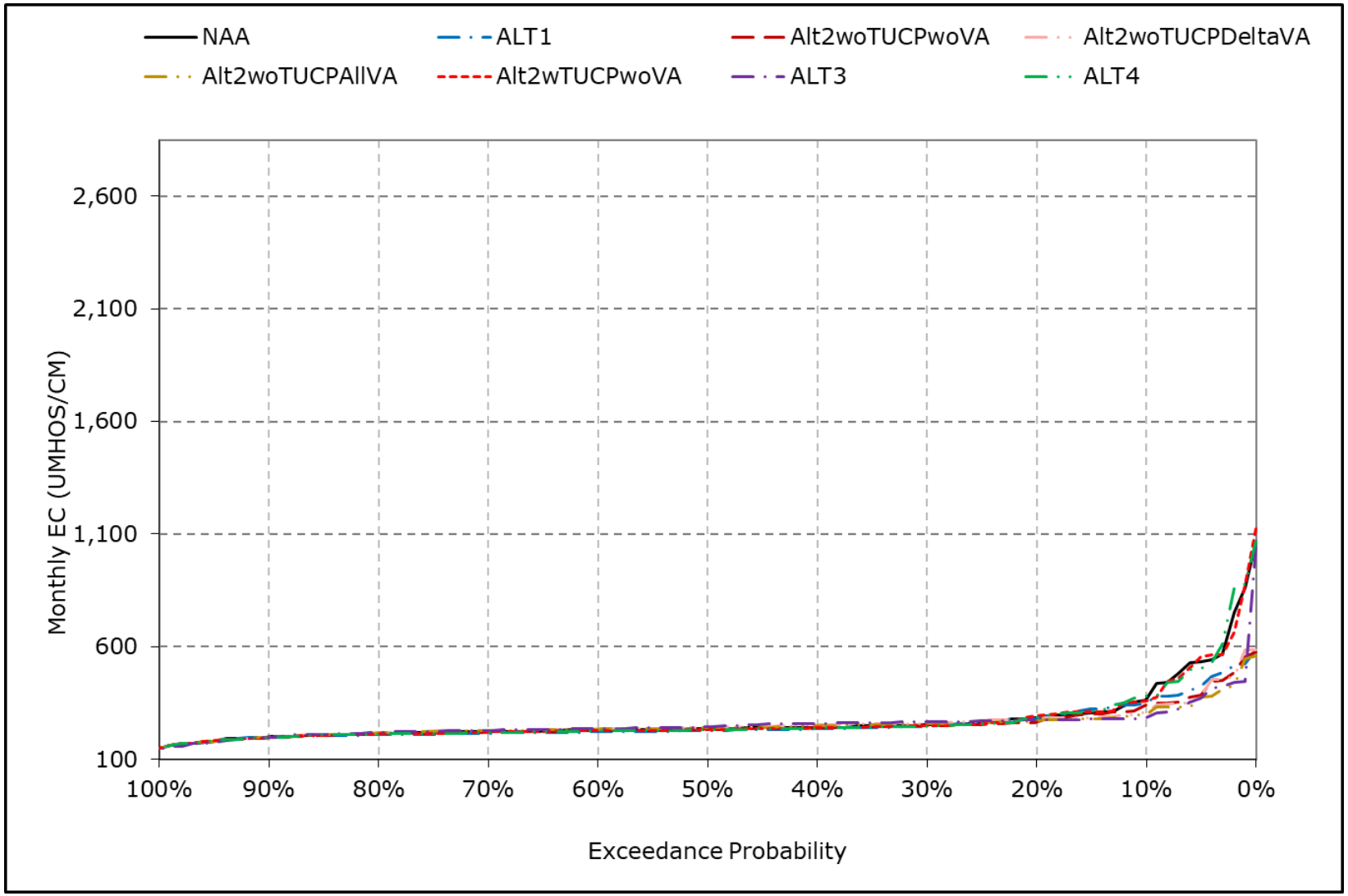
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-8-8. San Joaquin River at Jersey Point Salinity, February Electrical Conductivity



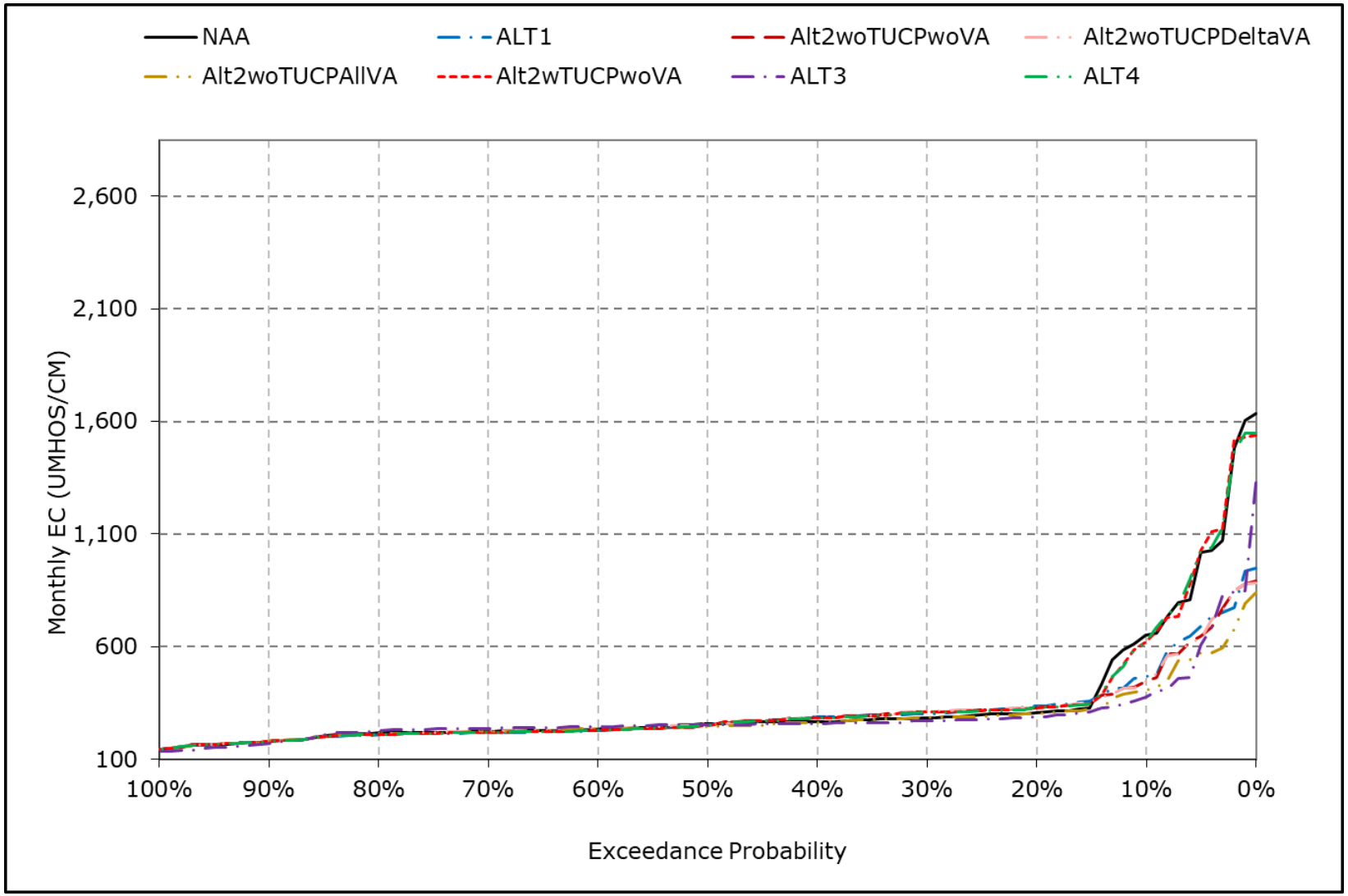
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-8-9. San Joaquin River at Jersey Point Salinity, March Electrical Conductivity



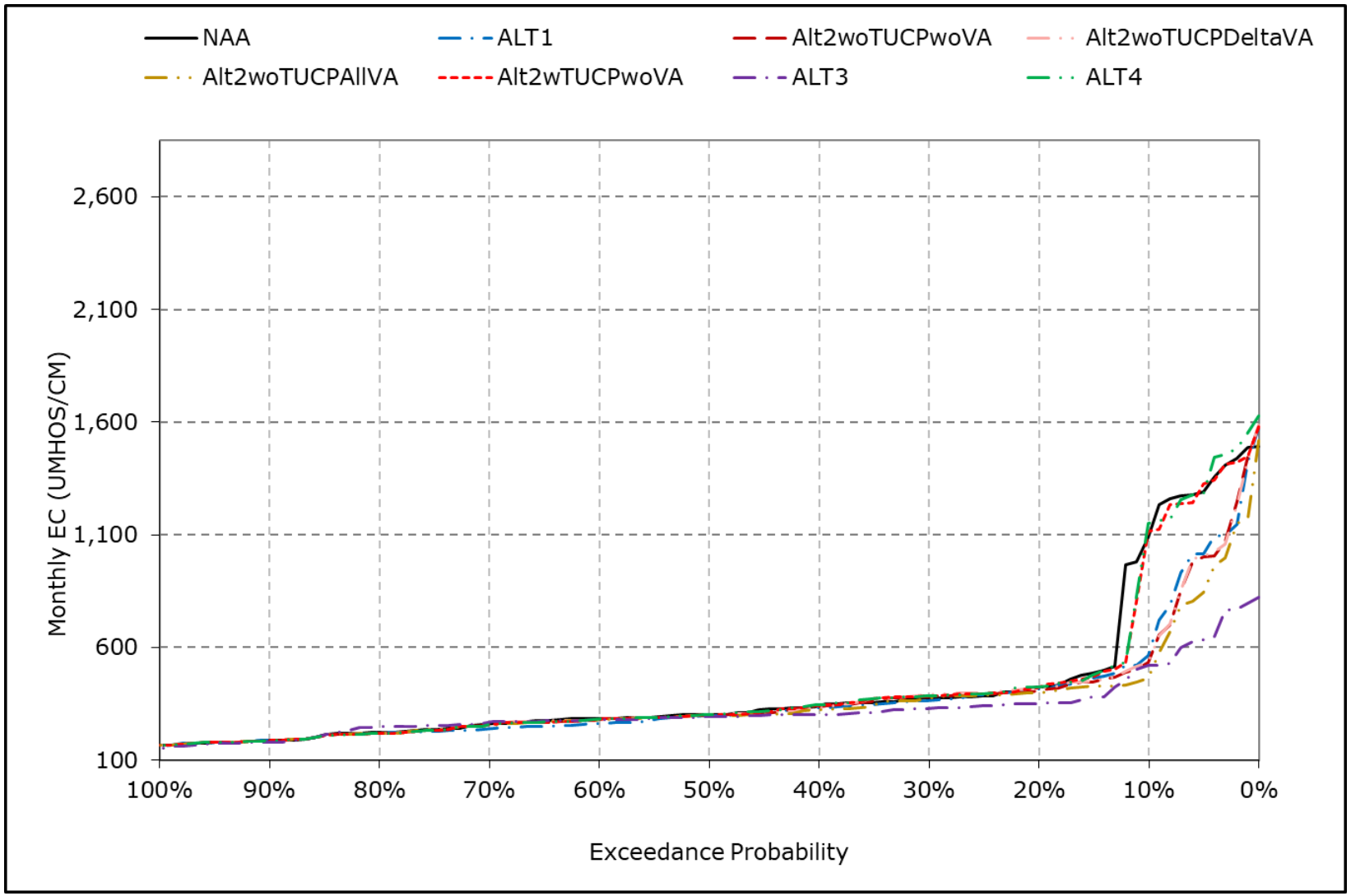
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-8-10. San Joaquin River at Jersey Point Salinity, April Electrical Conductivity



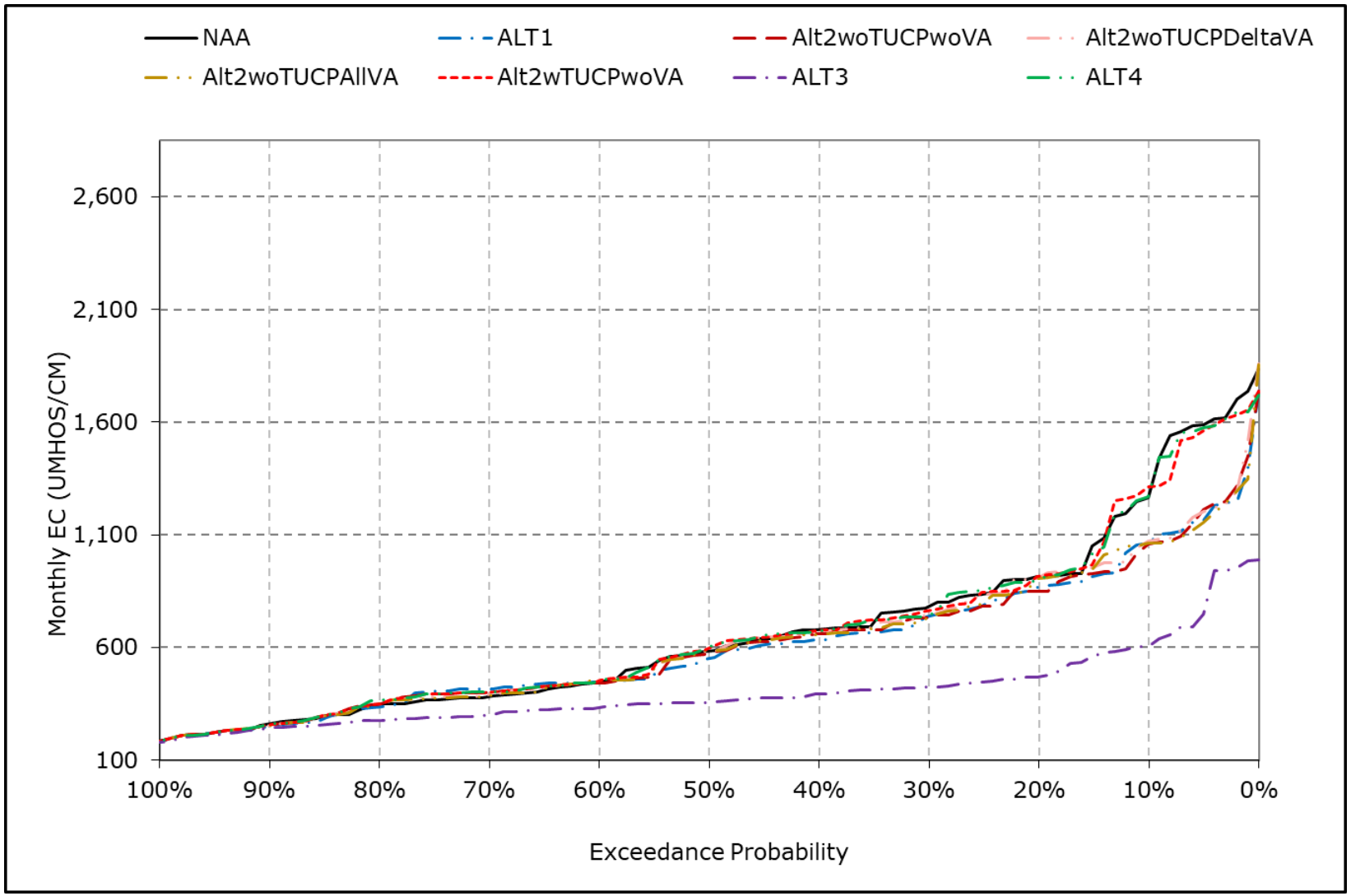
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-8-11. San Joaquin River at Jersey Point Salinity, May Electrical Conductivity



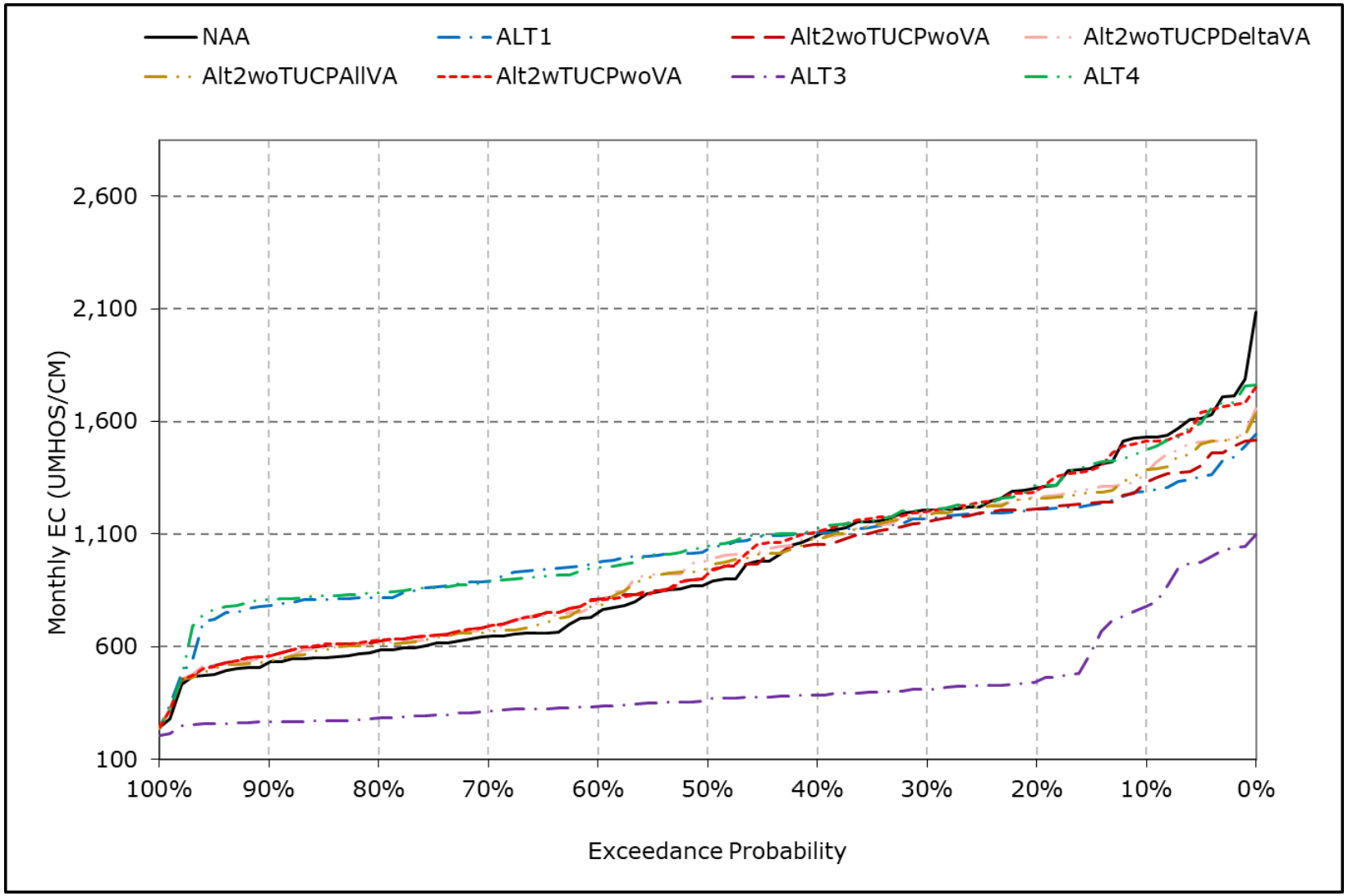
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-8-12. San Joaquin River at Jersey Point Salinity, June Electrical Conductivity



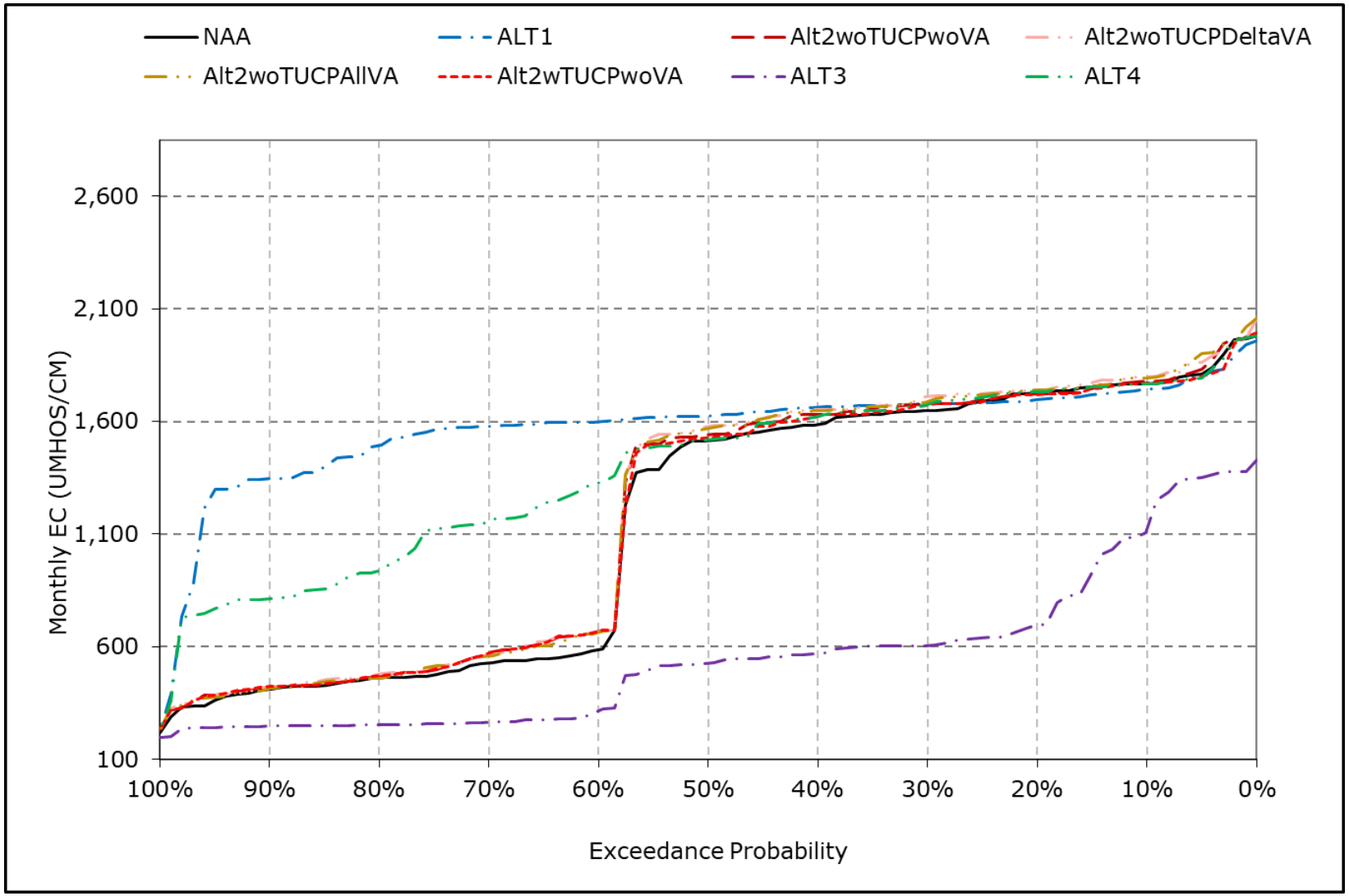
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-8-13. San Joaquin River at Jersey Point Salinity, July Electrical Conductivity



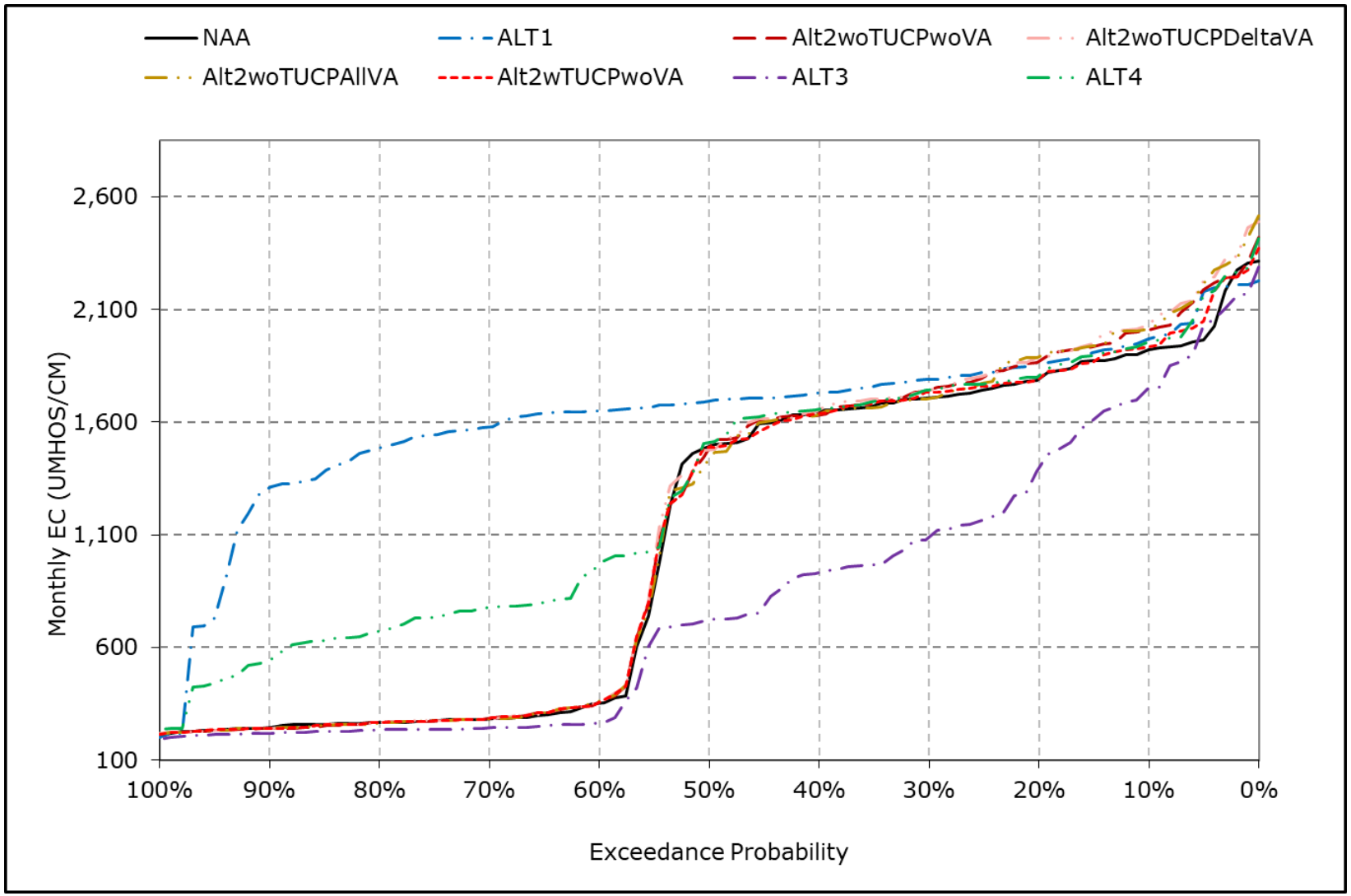
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-8-14. San Joaquin River at Jersey Point Salinity, August Electrical Conductivity



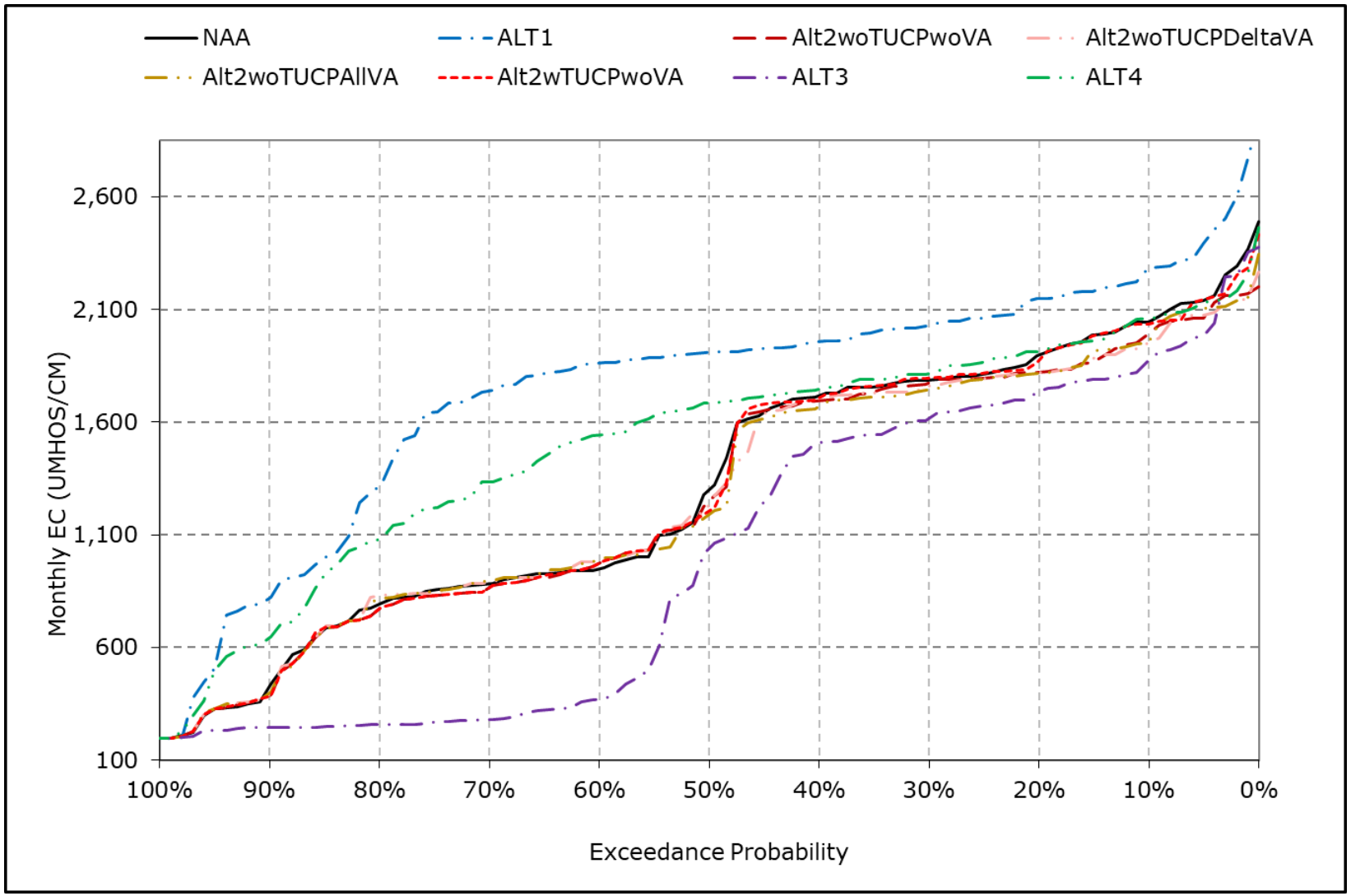
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-8-15. San Joaquin River at Jersey Point Salinity, September Electrical Conductivity



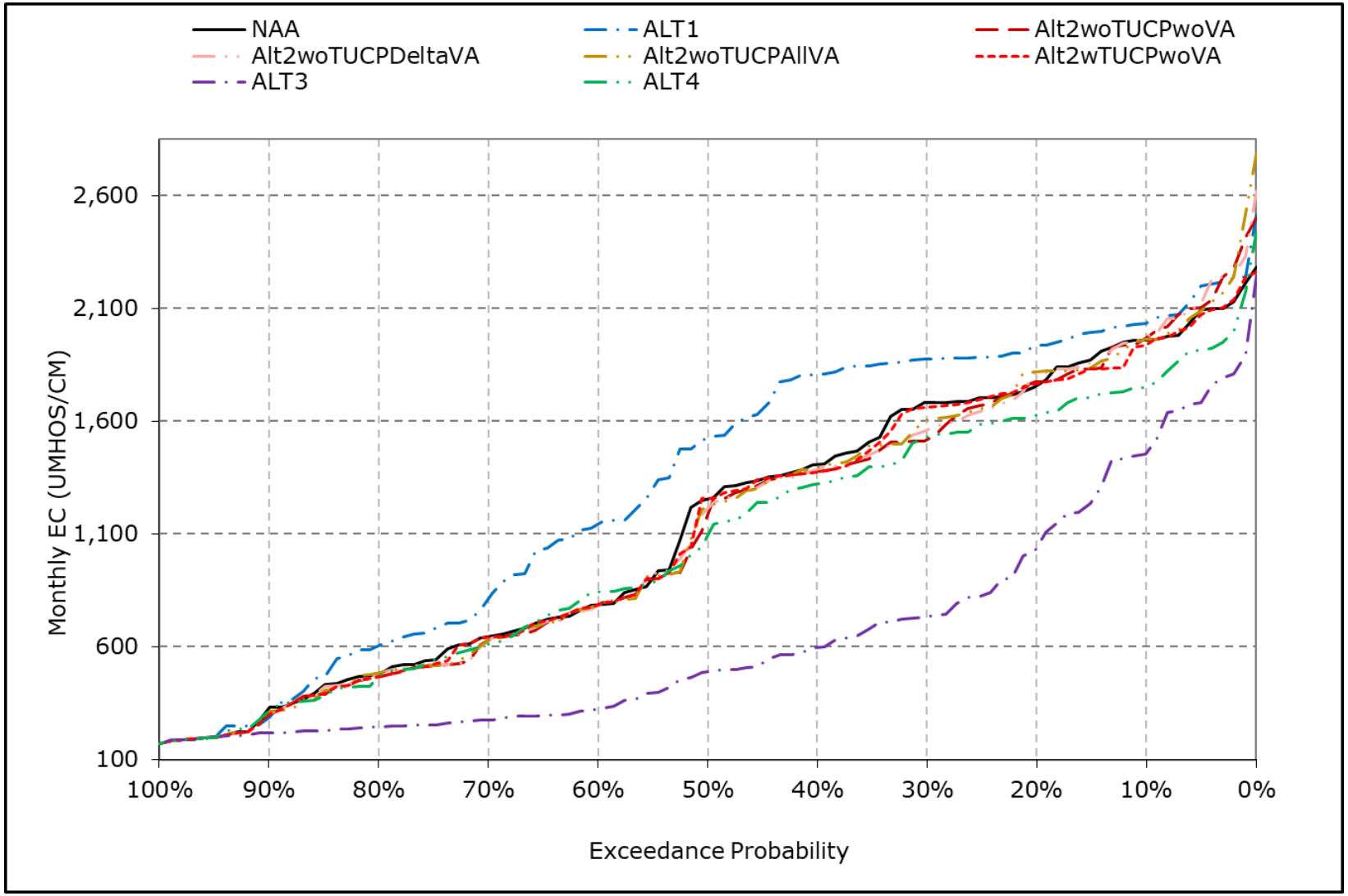
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-8-16. San Joaquin River at Jersey Point Salinity, October Electrical Conductivity



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-8-17. San Joaquin River at Jersey Point Salinity, November Electrical Conductivity



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-8-18. San Joaquin River at Jersey Point Salinity, December Electrical Conductivity

Table F.2.5-9-1a. Old River at Rock Slough Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	826	940	962	935	580	350	368	387	465	628	674	755
20% Exceedance	778	851	923	745	493	322	348	331	276	369	528	697
30% Exceedance	751	751	885	604	384	305	314	309	266	335	471	657
40% Exceedance	719	714	846	539	329	294	308	298	262	317	430	619
50% Exceedance	652	647	778	445	308	284	301	287	254	299	376	576
60% Exceedance	234	338	580	328	285	274	288	278	246	259	330	343
70% Exceedance	229	324	503	283	268	266	278	268	240	243	294	318
80% Exceedance	223	300	438	256	250	256	268	258	229	234	270	295
90% Exceedance	218	261	314	229	229	237	247	218	193	219	257	279
Full Simulation Period Average[a]	524	569	684	495	367	295	305	303	290	336	418	510
Wet Water Years (28%)	224	299	579	292	282	253	255	230	214	231	273	292
Above Normal Years (14%)	224	301	658	433	301	280	318	291	244	243	285	307
Below Normal Years (18%)	687	687	666	509	332	289	310	293	254	304	421	642
Dry Water Years (24%)	754	726	686	628	421	301	300	295	261	343	476	622
Critical Water Years (16%)	824	950	922	690	533	382	383	461	547	626	702	751

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-9-1b. Old River at Rock Slough Salinity, Alternative 1, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	838	1,002	1,014	943	790	398	350	333	367	464	545	694
20% Exceedance	792	884	980	847	616	348	308	301	275	354	495	680
30% Exceedance	764	823	943	750	499	314	292	287	266	330	478	666
40% Exceedance	740	799	895	620	398	284	282	279	254	304	443	656
50% Exceedance	713	768	806	497	302	265	275	270	243	287	414	642
60% Exceedance	697	748	713	368	280	250	261	256	233	252	385	629
70% Exceedance	683	695	624	293	256	241	253	246	227	246	364	612
80% Exceedance	652	595	488	240	228	234	242	232	219	233	327	578
90% Exceedance	567	482	298	216	214	218	229	192	192	218	304	515
Full Simulation Period Average[a]	708	750	740	542	420	295	281	270	268	310	422	622
Wet Water Years (28%)	623	637	648	297	274	246	240	211	207	229	325	569
Above Normal Years (14%)	690	707	745	465	281	247	274	261	230	240	368	650
Below Normal Years (18%)	683	714	693	547	389	273	270	267	246	294	433	606
Dry Water Years (24%)	742	759	743	731	537	308	284	280	262	342	481	636
Critical Water Years (16%)	861	1,031	957	750	658	427	369	370	441	485	538	686

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-9-1c. Old River at Rock Slough Salinity, Alternative 1 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	11	63	51	8	210	48	-18	-54	-98	-163	-129	-61
20% Exceedance	14	33	57	102	123	25	-40	-30	-1	-15	-33	-17
30% Exceedance	13	72	58	146	115	10	-22	-22	0	-5	7	9
40% Exceedance	21	85	49	81	69	-10	-26	-19	-8	-13	13	37
50% Exceedance	62	121	28	52	-6	-20	-27	-17	-11	-12	38	66
60% Exceedance	463	411	133	40	-5	-25	-27	-21	-14	-6	56	286
70% Exceedance	454	371	121	9	-12	-25	-25	-22	-14	3	71	294
80% Exceedance	429	295	50	-16	-22	-22	-26	-25	-10	-1	58	283
90% Exceedance	348	221	-16	-13	-15	-20	-18	-26	-1	-1	47	236
Full Simulation Period Average[a]	184	181	56	47	53	-1	-24	-32	-22	-25	4	112
Wet Water Years (28%)	399	337	69	5	-8	-8	-15	-19	-7	-2	52	277
Above Normal Years (14%)	466	406	87	32	-20	-33	-44	-30	-14	-2	84	343
Below Normal Years (18%)	-4	27	26	37	57	-16	-40	-26	-8	-10	13	-36
Dry Water Years (24%)	-12	34	56	103	115	7	-16	-15	1	-1	6	14
Critical Water Years (16%)	37	81	35	59	125	44	-15	-91	-105	-141	-164	-65

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-9-2a. Old River at Rock Slough Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	826	940	962	935	580	350	368	387	465	628	674	755
20% Exceedance	778	851	923	745	493	322	348	331	276	369	528	697
30% Exceedance	751	751	885	604	384	305	314	309	266	335	471	657
40% Exceedance	719	714	846	539	329	294	308	298	262	317	430	619
50% Exceedance	652	647	778	445	308	284	301	287	254	299	376	576
60% Exceedance	234	338	580	328	285	274	288	278	246	259	330	343
70% Exceedance	229	324	503	283	268	266	278	268	240	243	294	318
80% Exceedance	223	300	438	256	250	256	268	258	229	234	270	295
90% Exceedance	218	261	314	229	229	237	247	218	193	219	257	279
Full Simulation Period Average[a]	524	569	684	495	367	295	305	303	290	336	418	510
Wet Water Years (28%)	224	299	579	292	282	253	255	230	214	231	273	292
Above Normal Years (14%)	224	301	658	433	301	280	318	291	244	243	285	307
Below Normal Years (18%)	687	687	666	509	332	289	310	293	254	304	421	642
Dry Water Years (24%)	754	726	686	628	421	301	300	295	261	343	476	622
Critical Water Years (16%)	824	950	922	690	533	382	383	461	547	626	702	751

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-9-2b. Old River at Rock Slough Salinity, Alt2woTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	864	951	962	897	604	384	343	337	360	477	559	698
20% Exceedance	818	845	915	745	453	324	315	305	276	365	501	676
30% Exceedance	761	755	866	602	375	307	301	287	271	331	470	653
40% Exceedance	716	713	825	508	331	297	290	279	264	314	433	631
50% Exceedance	660	633	766	437	317	288	284	274	253	302	390	582
60% Exceedance	246	346	559	329	289	277	276	259	240	256	345	362
70% Exceedance	232	319	508	287	272	264	269	252	236	246	310	339
80% Exceedance	221	297	430	255	252	256	257	238	225	236	280	308
90% Exceedance	216	257	307	229	231	231	232	198	192	219	267	283
Full Simulation Period Average[a]	540	570	671	492	363	297	286	271	271	314	402	508
Wet Water Years (28%)	226	300	575	288	282	251	239	212	211	231	281	302
Above Normal Years (14%)	226	296	646	428	311	281	283	263	240	247	307	325
Below Normal Years (18%)	700	683	657	511	335	290	289	271	254	305	430	634
Dry Water Years (24%)	764	736	689	614	405	300	291	283	263	346	491	644
Critical Water Years (16%)	887	948	865	699	522	396	361	366	435	482	532	686

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-9-2c. Old River at Rock Slough Salinity, Alt2woTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	38	12	-1	-38	23	34	-25	-50	-106	-151	-114	-57
20% Exceedance	40	-6	-8	-1	-41	2	-32	-26	1	-3	-27	-21
30% Exceedance	10	3	-18	-2	-9	2	-14	-22	5	-3	-1	-4
40% Exceedance	-2	-1	-22	-32	3	3	-18	-19	2	-3	3	12
50% Exceedance	8	-14	-12	-8	9	3	-18	-13	-1	3	14	6
60% Exceedance	12	9	-20	1	4	3	-12	-18	-6	-3	16	19
70% Exceedance	3	-5	5	4	4	-2	-9	-17	-5	3	16	21
80% Exceedance	-2	-3	-8	-1	2	0	-11	-19	-4	2	10	12
90% Exceedance	-2	-4	-7	0	2	-6	-15	-20	-1	0	10	4
Full Simulation Period Average[a]	15	1	-12	-4	-4	2	-19	-31	-19	-21	-17	-1
Wet Water Years (28%)	2	1	-4	-5	0	-2	-16	-19	-3	1	8	10
Above Normal Years (14%)	2	-5	-12	-4	10	2	-35	-28	-4	4	22	18
Below Normal Years (18%)	13	-3	-9	2	3	1	-21	-22	0	1	9	-8
Dry Water Years (24%)	10	11	3	-14	-16	-1	-9	-12	2	3	15	22
Critical Water Years (16%)	63	-2	-57	9	-11	14	-22	-95	-112	-144	-170	-64

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-9-3a. Old River at Rock Slough Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	826	940	962	935	580	350	368	387	465	628	674	755
20% Exceedance	778	851	923	745	493	322	348	331	276	369	528	697
30% Exceedance	751	751	885	604	384	305	314	309	266	335	471	657
40% Exceedance	719	714	846	539	329	294	308	298	262	317	430	619
50% Exceedance	652	647	778	445	308	284	301	287	254	299	376	576
60% Exceedance	234	338	580	328	285	274	288	278	246	259	330	343
70% Exceedance	229	324	503	283	268	266	278	268	240	243	294	318
80% Exceedance	223	300	438	256	250	256	268	258	229	234	270	295
90% Exceedance	218	261	314	229	229	237	247	218	193	219	257	279
Full Simulation Period Average[a]	524	569	684	495	367	295	305	303	290	336	418	510
Wet Water Years (28%)	224	299	579	292	282	253	255	230	214	231	273	292
Above Normal Years (14%)	224	301	658	433	301	280	318	291	244	243	285	307
Below Normal Years (18%)	687	687	666	509	332	289	310	293	254	304	421	642
Dry Water Years (24%)	754	726	686	628	421	301	300	295	261	343	476	622
Critical Water Years (16%)	824	950	922	690	533	382	383	461	547	626	702	751

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-9-3b. Old River at Rock Slough Salinity, Alt2woTUCPDeltaVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	875	941	960	859	611	384	394	339	358	480	568	725
20% Exceedance	821	830	923	743	470	347	363	322	285	372	533	689
30% Exceedance	756	759	875	613	379	336	343	310	274	332	478	669
40% Exceedance	715	700	831	532	330	322	336	301	265	316	444	636
50% Exceedance	676	642	737	444	317	314	322	291	252	302	402	602
60% Exceedance	246	347	555	329	289	304	310	283	242	255	350	362
70% Exceedance	232	322	507	287	274	291	295	265	238	245	305	336
80% Exceedance	221	312	433	257	252	262	278	246	227	235	276	304
90% Exceedance	218	262	307	230	231	231	243	201	192	219	266	284
Full Simulation Period Average[a]	543	573	673	497	373	319	320	285	273	316	408	516
Wet Water Years (28%)	226	304	575	294	282	255	257	216	212	231	279	302
Above Normal Years (14%)	227	300	653	429	311	315	357	290	244	247	302	321
Below Normal Years (18%)	708	693	668	533	338	332	339	287	257	307	438	648
Dry Water Years (24%)	763	731	681	600	407	320	327	303	268	352	509	663
Critical Water Years (16%)	899	954	866	714	572	416	366	368	435	484	541	694

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-9-3c. Old River at Rock Slough Salinity, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	49	2	-2	-76	31	34	26	-48	-107	-148	-106	-30
20% Exceedance	43	-22	1	-2	-23	25	15	-10	9	3	5	-8
30% Exceedance	5	8	-10	9	-5	31	29	1	8	-3	8	12
40% Exceedance	-4	-14	-15	-7	2	28	28	3	4	-1	13	18
50% Exceedance	25	-5	-42	-1	9	30	20	4	-2	2	26	26
60% Exceedance	13	9	-24	1	4	29	22	6	-4	-3	21	19
70% Exceedance	3	-2	4	4	6	25	17	-4	-2	3	12	18
80% Exceedance	-1	12	-5	0	2	5	10	-12	-2	2	6	9
90% Exceedance	0	1	-6	0	2	-7	-4	-17	-1	0	9	5
Full Simulation Period Average[a]	19	4	-11	1	6	23	15	-18	-17	-19	-11	7
Wet Water Years (28%)	3	4	-4	1	1	2	2	-14	-2	0	6	10
Above Normal Years (14%)	3	-1	-5	-4	10	35	39	-1	0	4	17	14
Below Normal Years (18%)	21	6	2	23	6	43	29	-5	3	3	17	6
Dry Water Years (24%)	10	5	-5	-28	-14	19	27	8	6	9	33	41
Critical Water Years (16%)	75	4	-55	24	39	34	-17	-93	-112	-141	-161	-57

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-9-4a. Old River at Rock Slough Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	826	940	962	935	580	350	368	387	465	628	674	755
20% Exceedance	778	851	923	745	493	322	348	331	276	369	528	697
30% Exceedance	751	751	885	604	384	305	314	309	266	335	471	657
40% Exceedance	719	714	846	539	329	294	308	298	262	317	430	619
50% Exceedance	652	647	778	445	308	284	301	287	254	299	376	576
60% Exceedance	234	338	580	328	285	274	288	278	246	259	330	343
70% Exceedance	229	324	503	283	268	266	278	268	240	243	294	318
80% Exceedance	223	300	438	256	250	256	268	258	229	234	270	295
90% Exceedance	218	261	314	229	229	237	247	218	193	219	257	279
Full Simulation Period Average[a]	524	569	684	495	367	295	305	303	290	336	418	510
Wet Water Years (28%)	224	299	579	292	282	253	255	230	214	231	273	292
Above Normal Years (14%)	224	301	658	433	301	280	318	291	244	243	285	307
Below Normal Years (18%)	687	687	666	509	332	289	310	293	254	304	421	642
Dry Water Years (24%)	754	726	686	628	421	301	300	295	261	343	476	622
Critical Water Years (16%)	824	950	922	690	533	382	383	461	547	626	702	751

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-9-4b. Old River at Rock Slough Salinity, Alt2woTUCPAllVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	867	941	967	856	602	382	400	333	332	465	564	709
20% Exceedance	813	835	922	734	460	348	358	318	278	364	528	689
30% Exceedance	753	758	878	608	378	337	343	304	268	330	472	664
40% Exceedance	715	697	832	534	329	322	335	296	257	317	435	635
50% Exceedance	678	637	733	441	314	313	321	289	249	296	391	592
60% Exceedance	245	346	561	329	288	302	309	279	241	256	343	363
70% Exceedance	231	321	510	289	271	291	295	260	236	245	298	334
80% Exceedance	219	311	435	256	252	262	276	244	227	236	274	303
90% Exceedance	217	257	306	230	231	231	243	200	192	218	263	284
Full Simulation Period Average[a]	540	570	674	495	364	315	319	280	265	313	403	514
Wet Water Years (28%)	225	303	574	290	282	254	256	216	211	231	278	301
Above Normal Years (14%)	225	300	654	427	306	313	356	288	242	246	295	317
Below Normal Years (18%)	696	677	670	516	337	332	339	282	251	307	428	646
Dry Water Years (24%)	761	727	682	614	407	320	326	300	262	351	508	661
Critical Water Years (16%)	899	958	875	714	524	396	362	353	403	464	531	692

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-9-4c. Old River at Rock Slough Salinity, Alt2woTUCPAllVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	41	1	5	-79	22	32	32	-54	-133	-162	-110	-46
20% Exceedance	35	-16	-1	-12	-34	26	11	-13	3	-5	0	-9
30% Exceedance	2	6	-7	4	-6	33	28	-5	2	-5	1	7
40% Exceedance	-4	-16	-14	-5	1	28	27	-2	-4	0	5	16
50% Exceedance	27	-10	-45	-4	6	28	19	1	-5	-3	15	16
60% Exceedance	12	9	-19	1	3	28	21	2	-5	-3	13	20
70% Exceedance	2	-3	7	6	3	26	17	-8	-4	2	5	16
80% Exceedance	-3	11	-3	0	2	5	8	-13	-1	2	5	7
90% Exceedance	-1	-4	-7	0	2	-7	-4	-17	-1	-1	6	4
Full Simulation Period Average[a]	15	1	-9	0	-3	20	14	-22	-25	-23	-15	5
Wet Water Years (28%)	2	4	-5	-3	0	1	2	-14	-3	0	5	9
Above Normal Years (14%)	1	-1	-4	-6	6	33	38	-3	-2	3	11	10
Below Normal Years (18%)	9	-10	4	7	5	43	29	-11	-3	3	7	4
Dry Water Years (24%)	8	1	-5	-15	-14	19	26	5	1	8	33	39
Critical Water Years (16%)	75	8	-47	23	-9	14	-22	-108	-144	-161	-171	-58

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-9-5a. Old River at Rock Slough Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	826	940	962	935	580	350	368	387	465	628	674	755
20% Exceedance	778	851	923	745	493	322	348	331	276	369	528	697
30% Exceedance	751	751	885	604	384	305	314	309	266	335	471	657
40% Exceedance	719	714	846	539	329	294	308	298	262	317	430	619
50% Exceedance	652	647	778	445	308	284	301	287	254	299	376	576
60% Exceedance	234	338	580	328	285	274	288	278	246	259	330	343
70% Exceedance	229	324	503	283	268	266	278	268	240	243	294	318
80% Exceedance	223	300	438	256	250	256	268	258	229	234	270	295
90% Exceedance	218	261	314	229	229	237	247	218	193	219	257	279
Full Simulation Period Average[a]	524	569	684	495	367	295	305	303	290	336	418	510
Wet Water Years (28%)	224	299	579	292	282	253	255	230	214	231	273	292
Above Normal Years (14%)	224	301	658	433	301	280	318	291	244	243	285	307
Below Normal Years (18%)	687	687	666	509	332	289	310	293	254	304	421	642
Dry Water Years (24%)	754	726	686	628	421	301	300	295	261	343	476	622
Critical Water Years (16%)	824	950	922	690	533	382	383	461	547	626	702	751

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-9-5b. Old River at Rock Slough Salinity, Alt2wTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	839	945	960	864	604	365	343	358	477	612	686	747
20% Exceedance	785	837	918	731	445	323	316	305	277	369	527	690
30% Exceedance	745	755	879	639	378	306	302	287	271	337	478	664
40% Exceedance	716	710	832	510	338	295	290	279	264	315	459	635
50% Exceedance	654	641	773	429	310	288	284	274	253	304	380	590
60% Exceedance	246	347	573	329	289	276	276	259	240	257	349	362
70% Exceedance	233	320	506	287	273	265	269	250	236	246	310	339
80% Exceedance	221	297	430	255	252	257	257	239	225	236	282	308
90% Exceedance	216	259	307	229	231	231	233	198	192	219	266	283
Full Simulation Period Average[a]	529	570	676	488	367	298	290	285	287	333	426	518
Wet Water Years (28%)	226	301	575	287	282	252	239	212	211	231	281	302
Above Normal Years (14%)	227	297	647	429	313	282	282	263	240	247	308	326
Below Normal Years (18%)	694	678	660	503	334	290	289	270	253	305	432	639
Dry Water Years (24%)	763	734	694	626	407	300	292	283	263	346	493	645
Critical Water Years (16%)	827	953	884	668	538	399	384	452	536	599	675	736

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-9-5c. Old River at Rock Slough Salinity, Alt2wTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	13	5	-2	-71	23	14	-25	-29	12	-16	12	-8
20% Exceedance	7	-15	-4	-14	-48	1	-32	-26	1	0	0	-7
30% Exceedance	-6	4	-6	35	-6	2	-12	-22	5	2	8	7
40% Exceedance	-2	-3	-14	-29	9	1	-18	-19	2	-2	28	16
50% Exceedance	2	-6	-5	-16	3	3	-18	-13	-1	5	4	14
60% Exceedance	12	9	-6	1	4	2	-12	-18	-6	-2	20	19
70% Exceedance	4	-4	4	4	5	-1	-9	-18	-5	3	16	21
80% Exceedance	-2	-3	-7	-1	2	0	-11	-19	-4	2	13	13
90% Exceedance	-2	-2	-7	0	2	-7	-14	-20	-1	0	9	4
Full Simulation Period Average[a]	5	1	-8	-7	0	2	-15	-17	-3	-2	7	8
Wet Water Years (28%)	2	2	-4	-5	0	-1	-16	-19	-3	1	8	9
Above Normal Years (14%)	3	-5	-11	-4	12	2	-36	-28	-4	4	23	19
Below Normal Years (18%)	7	-9	-6	-6	2	1	-21	-23	-1	1	11	-3
Dry Water Years (24%)	9	9	8	-2	-14	-1	-8	-12	2	3	17	23
Critical Water Years (16%)	4	3	-38	-22	6	16	0	-9	-11	-26	-27	-15

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-9-6a. Old River at Rock Slough Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	826	940	962	935	580	350	368	387	465	628	674	755
20% Exceedance	778	851	923	745	493	322	348	331	276	369	528	697
30% Exceedance	751	751	885	604	384	305	314	309	266	335	471	657
40% Exceedance	719	714	846	539	329	294	308	298	262	317	430	619
50% Exceedance	652	647	778	445	308	284	301	287	254	299	376	576
60% Exceedance	234	338	580	328	285	274	288	278	246	259	330	343
70% Exceedance	229	324	503	283	268	266	278	268	240	243	294	318
80% Exceedance	223	300	438	256	250	256	268	258	229	234	270	295
90% Exceedance	218	261	314	229	229	237	247	218	193	219	257	279
Full Simulation Period Average[a]	524	569	684	495	367	295	305	303	290	336	418	510
Wet Water Years (28%)	224	299	579	292	282	253	255	230	214	231	273	292
Above Normal Years (14%)	224	301	658	433	301	280	318	291	244	243	285	307
Below Normal Years (18%)	687	687	666	509	332	289	310	293	254	304	421	642
Dry Water Years (24%)	754	726	686	628	421	301	300	295	261	343	476	622
Critical Water Years (16%)	824	950	922	690	533	382	383	461	547	626	702	751

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-9-6b. Old River at Rock Slough Salinity, Alternative 3, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	668	910	816	607	472	470	481	462	375	364	386	487
20% Exceedance	500	689	775	471	381	431	457	430	345	324	296	309
30% Exceedance	445	625	746	418	356	399	432	413	336	304	285	291
40% Exceedance	398	564	649	373	336	368	398	399	328	293	274	281
50% Exceedance	339	486	469	345	330	333	379	386	320	286	266	274
60% Exceedance	256	267	334	317	314	300	349	369	304	280	262	261
70% Exceedance	220	242	276	291	294	282	336	346	290	273	255	233
80% Exceedance	215	237	257	263	274	263	316	278	255	264	250	226
90% Exceedance	210	231	248	237	246	240	207	167	178	236	244	223
Full Simulation Period Average[a]	381	486	516	386	337	342	370	356	308	295	290	298
Wet Water Years (28%)	220	238	268	288	292	310	286	238	229	256	251	233
Above Normal Years (14%)	223	242	330	331	306	344	405	381	306	283	258	235
Below Normal Years (18%)	368	521	645	380	338	359	403	398	311	305	281	278
Dry Water Years (24%)	455	626	635	425	360	333	382	388	325	278	270	290
Critical Water Years (16%)	739	929	818	552	409	391	433	449	417	391	426	505

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-9-6c. Old River at Rock Slough Salinity, Alternative 3 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-159	-30	-146	-328	-109	120	113	75	-91	-263	-288	-268
20% Exceedance	-278	-162	-148	-274	-112	108	109	99	69	-45	-232	-388
30% Exceedance	-306	-127	-138	-187	-28	94	117	104	70	-30	-186	-366
40% Exceedance	-320	-150	-197	-167	8	74	90	101	66	-24	-156	-338
50% Exceedance	-313	-161	-309	-100	22	48	77	98	66	-14	-110	-302
60% Exceedance	22	-71	-245	-11	29	25	60	91	58	21	-68	-81
70% Exceedance	-9	-82	-227	8	26	17	58	78	50	30	-39	-85
80% Exceedance	-8	-63	-180	7	24	7	48	20	26	30	-20	-69
90% Exceedance	-8	-31	-66	8	17	2	-40	-51	-15	17	-13	-56
Full Simulation Period Average[a]	-143	-83	-168	-110	-30	46	65	54	18	-40	-129	-211
Wet Water Years (28%)	-3	-61	-311	-4	10	56	32	7	15	25	-22	-60
Above Normal Years (14%)	-1	-59	-328	-102	5	64	87	91	62	40	-26	-72
Below Normal Years (18%)	-319	-166	-21	-130	6	70	93	105	57	1	-140	-364
Dry Water Years (24%)	-298	-99	-51	-203	-62	32	82	93	63	-65	-206	-332
Critical Water Years (16%)	-84	-22	-103	-138	-123	8	49	-13	-129	-234	-276	-245

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-9-7a. Old River at Rock Slough Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	826	940	962	935	580	350	368	387	465	628	674	755
20% Exceedance	778	851	923	745	493	322	348	331	276	369	528	697
30% Exceedance	751	751	885	604	384	305	314	309	266	335	471	657
40% Exceedance	719	714	846	539	329	294	308	298	262	317	430	619
50% Exceedance	652	647	778	445	308	284	301	287	254	299	376	576
60% Exceedance	234	338	580	328	285	274	288	278	246	259	330	343
70% Exceedance	229	324	503	283	268	266	278	268	240	243	294	318
80% Exceedance	223	300	438	256	250	256	268	258	229	234	270	295
90% Exceedance	218	261	314	229	229	237	247	218	193	219	257	279
Full Simulation Period Average[a]	524	569	684	495	367	295	305	303	290	336	418	510
Wet Water Years (28%)	224	299	579	292	282	253	255	230	214	231	273	292
Above Normal Years (14%)	224	301	658	433	301	280	318	291	244	243	285	307
Below Normal Years (18%)	687	687	666	509	332	289	310	293	254	304	421	642
Dry Water Years (24%)	754	726	686	628	421	301	300	295	261	343	476	622
Critical Water Years (16%)	824	950	922	690	533	382	383	461	547	626	702	751

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-9-7b. Old River at Rock Slough Salinity, Alternative 4, Monthly Electrical Conductivity (UMHOS/CM)

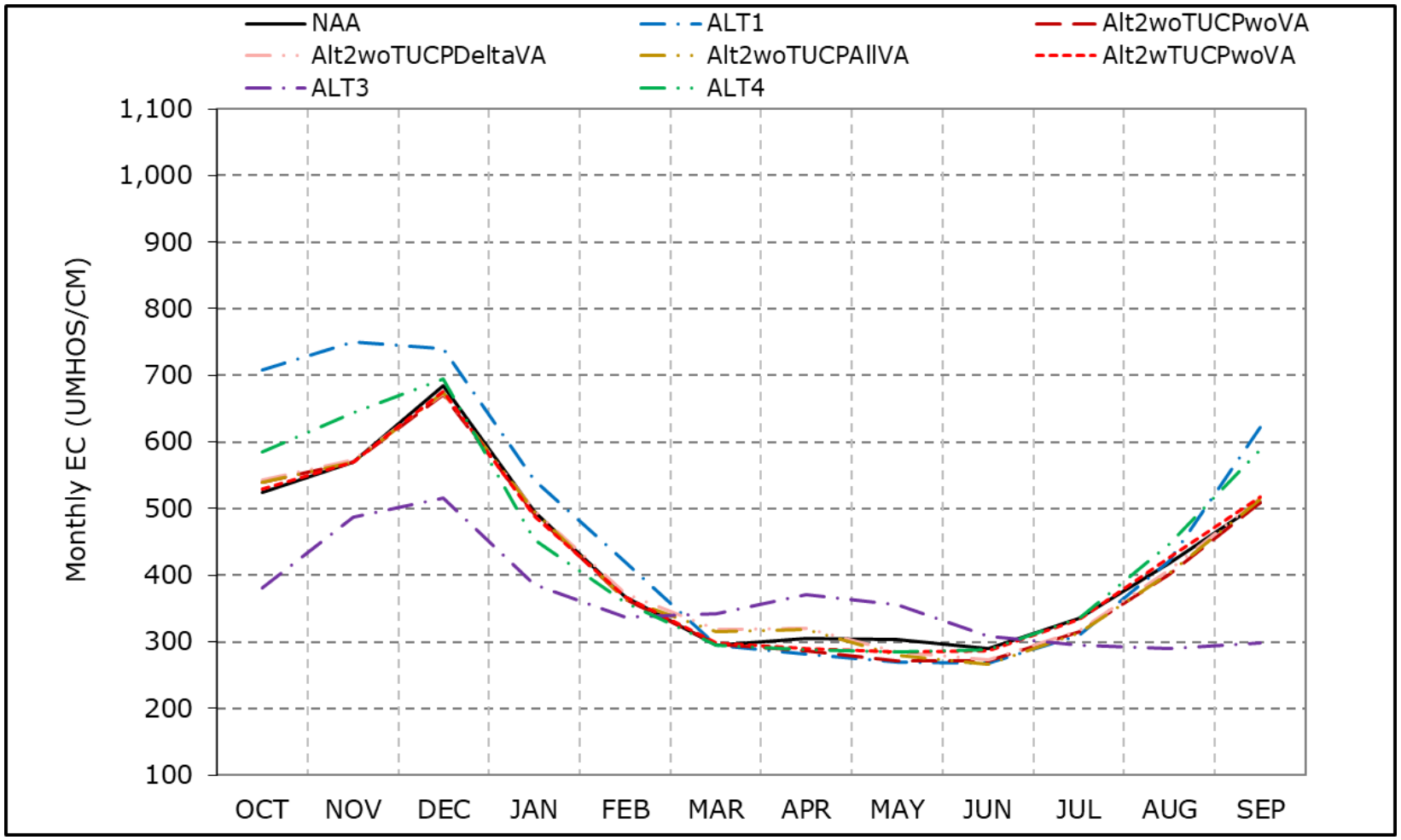
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	841	950	954	768	592	388	344	369	483	609	676	743
20% Exceedance	798	868	917	629	467	322	314	304	277	369	554	697
30% Exceedance	752	766	875	549	377	305	302	285	269	337	480	664
40% Exceedance	716	732	831	485	322	292	287	278	264	319	457	648
50% Exceedance	660	657	766	390	301	283	282	273	251	302	406	589
60% Exceedance	437	569	632	335	280	271	276	258	240	257	376	554
70% Exceedance	392	510	573	285	260	260	267	248	236	246	357	518
80% Exceedance	337	430	445	263	250	249	256	238	224	235	335	474
90% Exceedance	306	344	290	233	229	231	227	198	192	219	310	449
Full Simulation Period Average[a]	585	645	694	453	359	294	288	284	288	336	446	589
Wet Water Years (28%)	355	480	617	285	281	250	238	211	211	231	322	456
Above Normal Years (14%)	338	433	713	350	293	281	280	262	240	247	365	513
Below Normal Years (18%)	699	689	660	450	317	285	287	269	253	305	430	642
Dry Water Years (24%)	761	738	693	562	415	303	291	281	263	349	497	649
Critical Water Years (16%)	842	960	861	676	518	382	381	453	540	609	676	738

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-9-7c. Old River at Rock Slough Salinity, Alternative 4 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

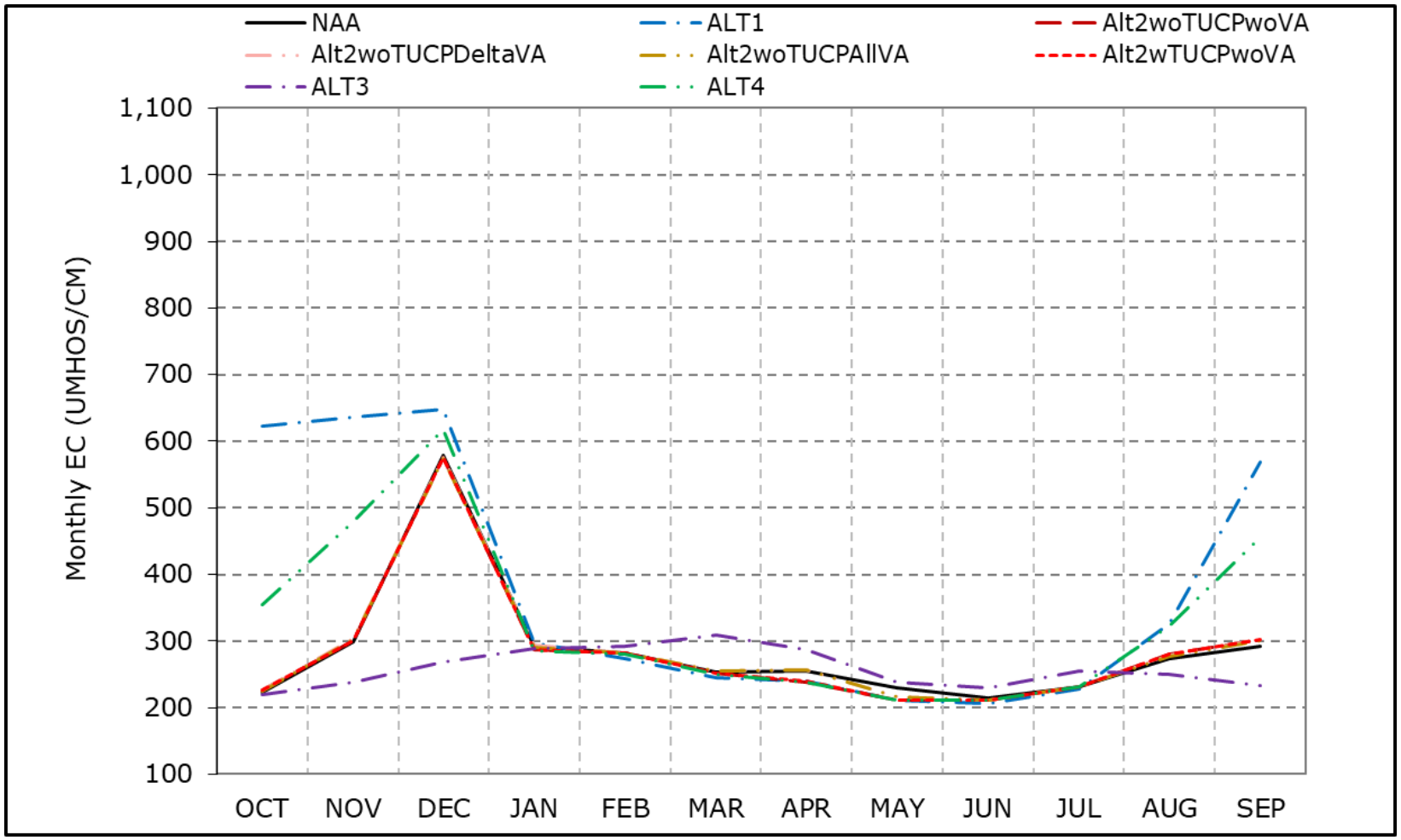
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15	11	-8	-167	11	37	-24	-18	17	-19	3	-12
20% Exceedance	21	17	-6	-117	-27	-1	-34	-27	1	1	26	0
30% Exceedance	0	15	-10	-55	-7	0	-13	-24	3	3	9	7
40% Exceedance	-3	19	-15	-55	-7	-2	-21	-20	2	2	26	30
50% Exceedance	8	10	-12	-55	-7	-1	-20	-14	-3	3	30	13
60% Exceedance	203	232	52	7	-4	-4	-12	-19	-6	-2	47	211
70% Exceedance	163	186	70	2	-8	-6	-10	-20	-5	3	64	200
80% Exceedance	114	130	8	7	0	-8	-12	-20	-4	2	65	179
90% Exceedance	88	83	-24	4	0	-7	-20	-20	-1	0	53	169
Full Simulation Period Average[a]	61	75	10	-43	-8	-1	-17	-18	-2	0	28	79
Wet Water Years (28%)	132	180	38	-7	-1	-4	-17	-19	-3	1	49	163
Above Normal Years (14%)	114	132	55	-82	-8	1	-38	-29	-4	4	81	206
Below Normal Years (18%)	12	3	-6	-59	-15	-4	-23	-24	-1	1	9	0
Dry Water Years (24%)	7	13	7	-67	-6	2	-9	-14	2	6	22	27
Critical Water Years (16%)	18	9	-61	-14	-15	-1	-2	-9	-6	-16	-26	-13

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



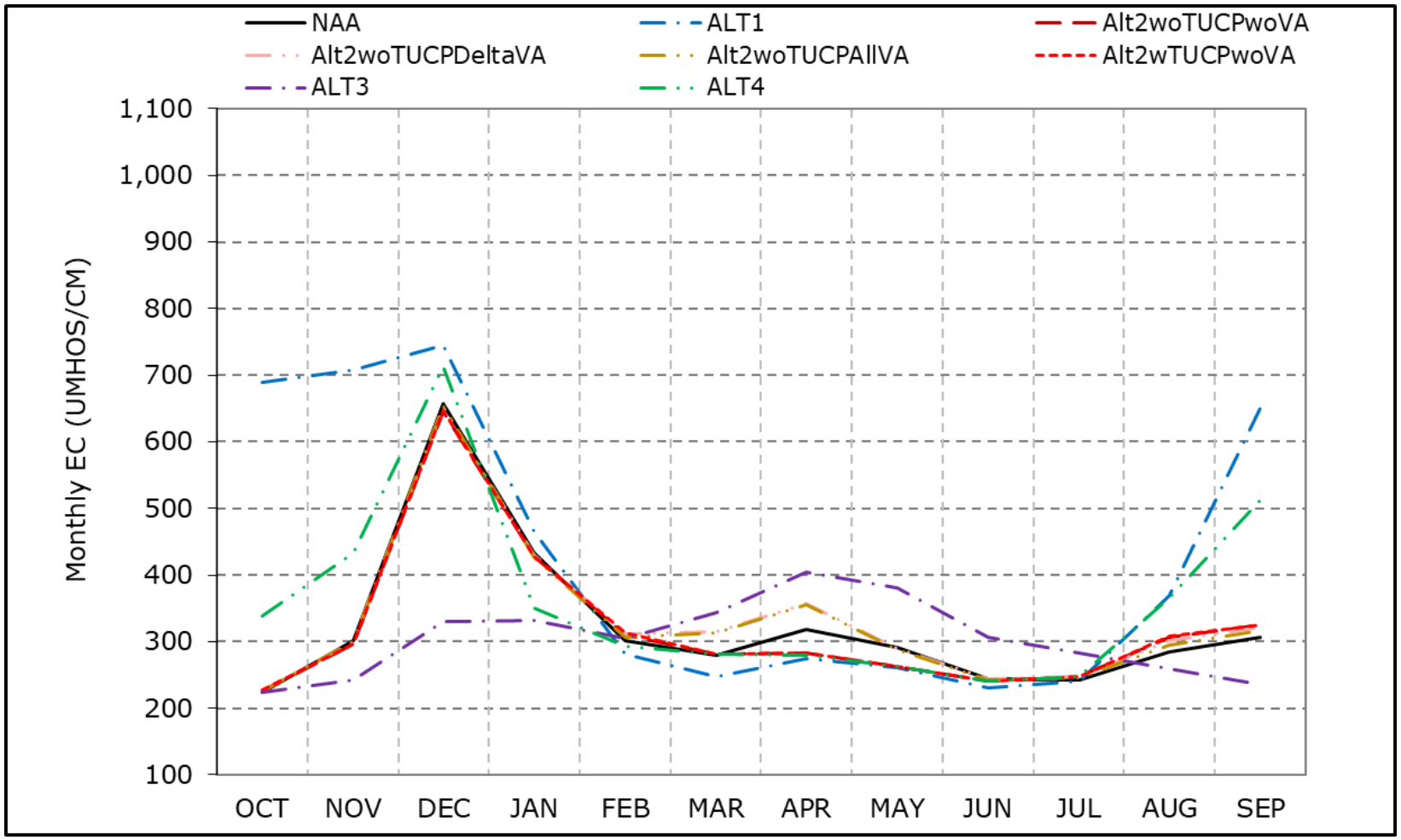
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-9-1. Old River at Rock Slough Salinity, Long-Term Average Electrical Conductivity



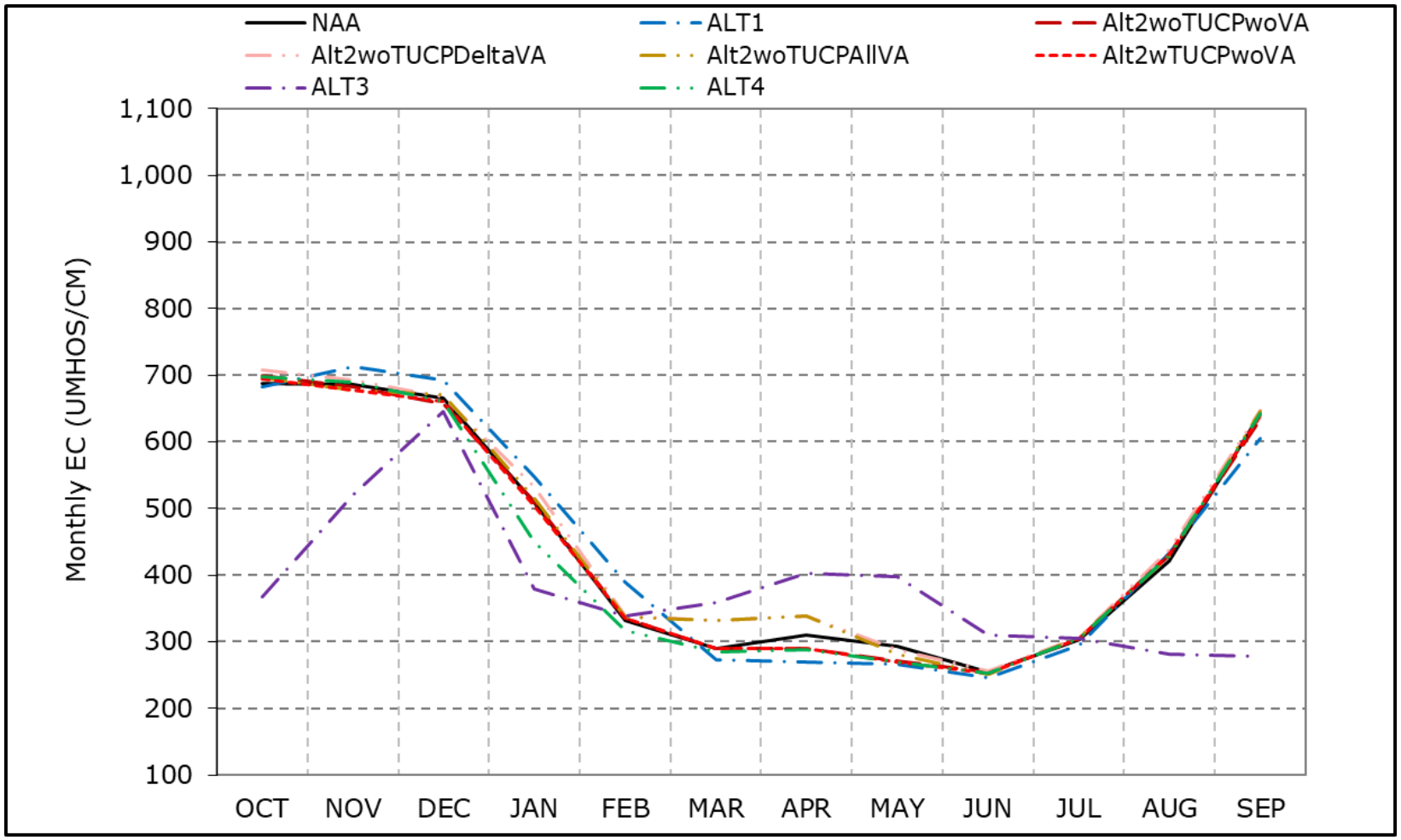
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-9-2. Old River at Rock Slough Salinity, Wet Year Average Electrical Conductivity



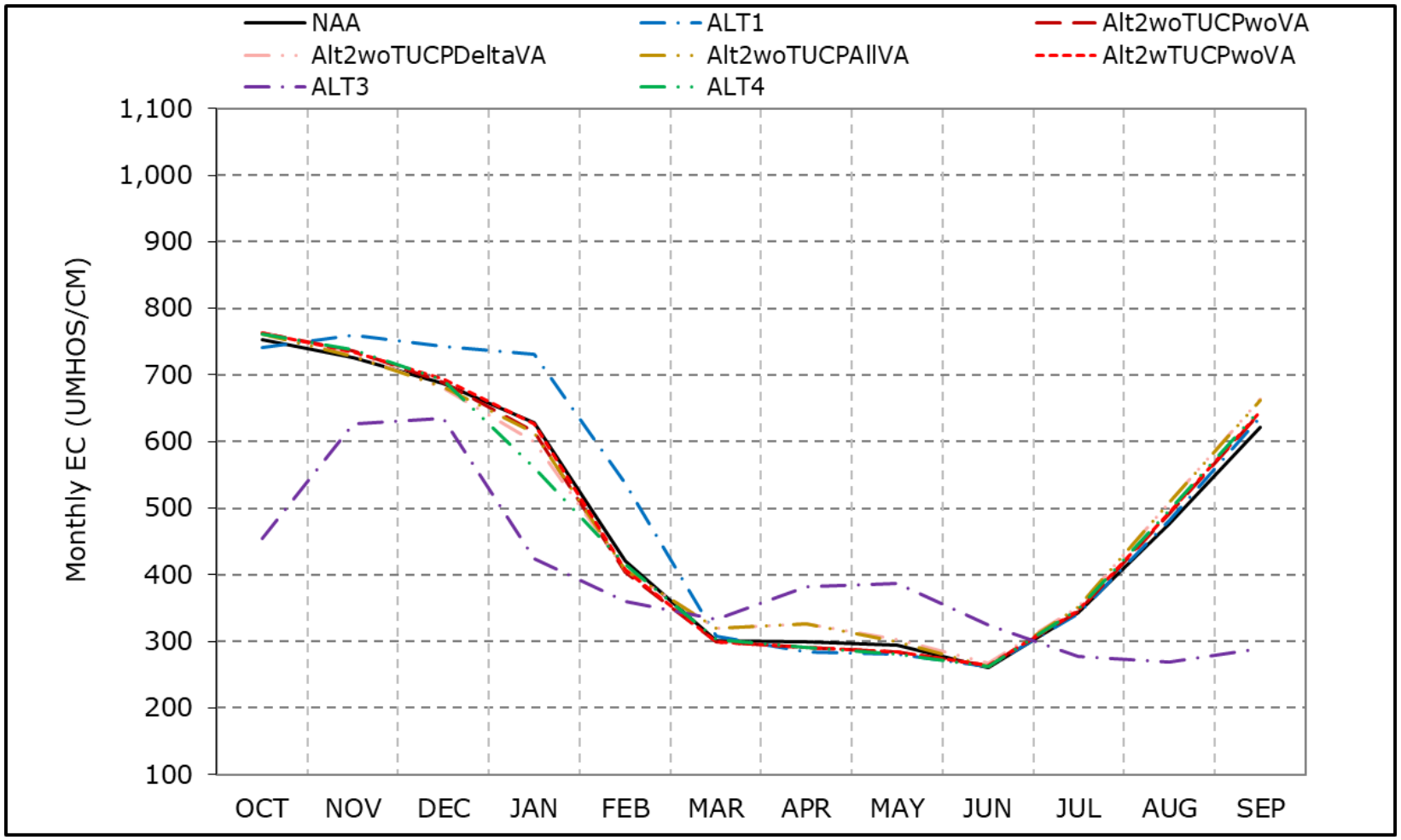
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-9-3. Old River at Rock Slough Salinity, Above Normal Year Average Electrical Conductivity



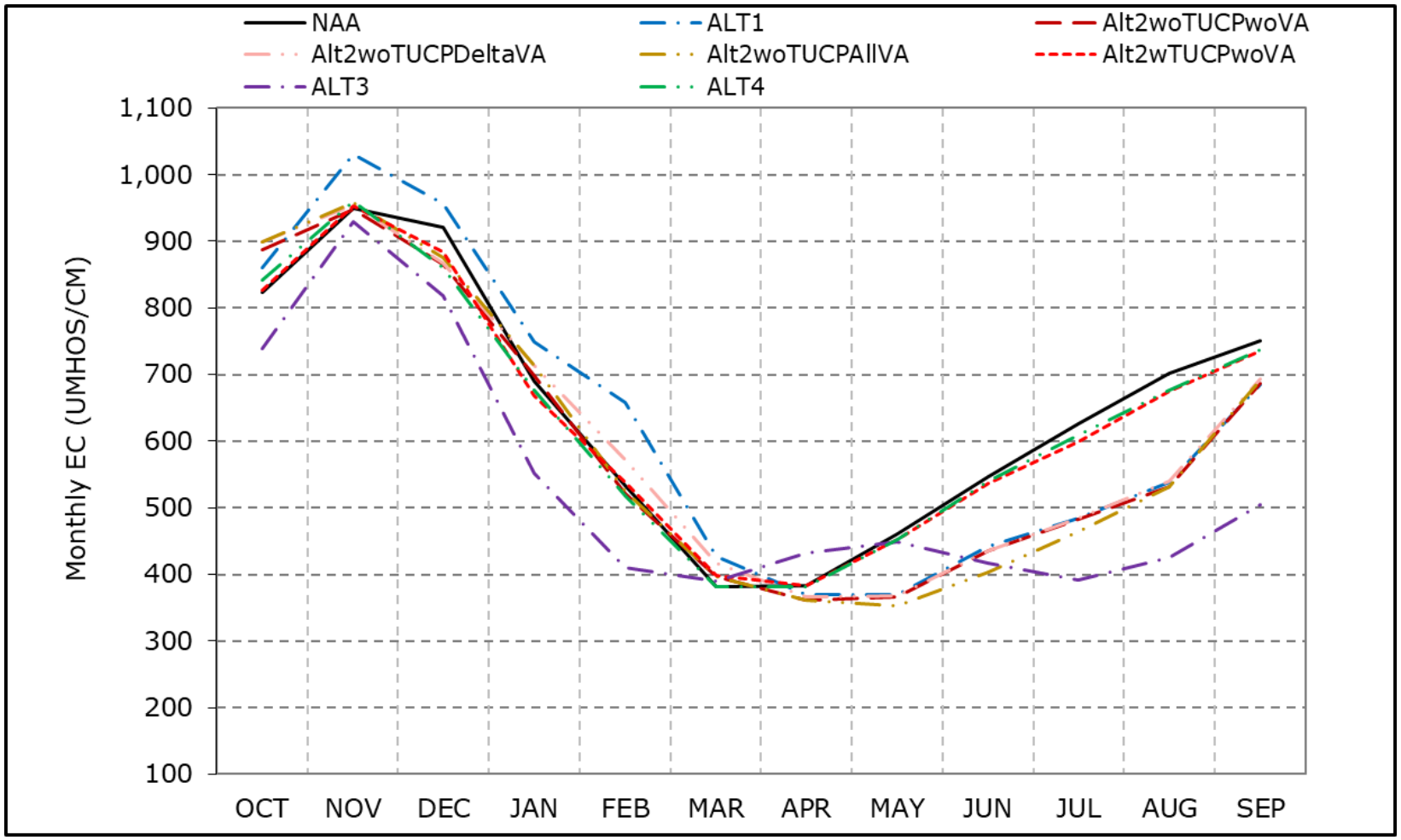
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-9-4. Old River at Rock Slough Salinity, Below Normal Year Average Electrical Conductivity



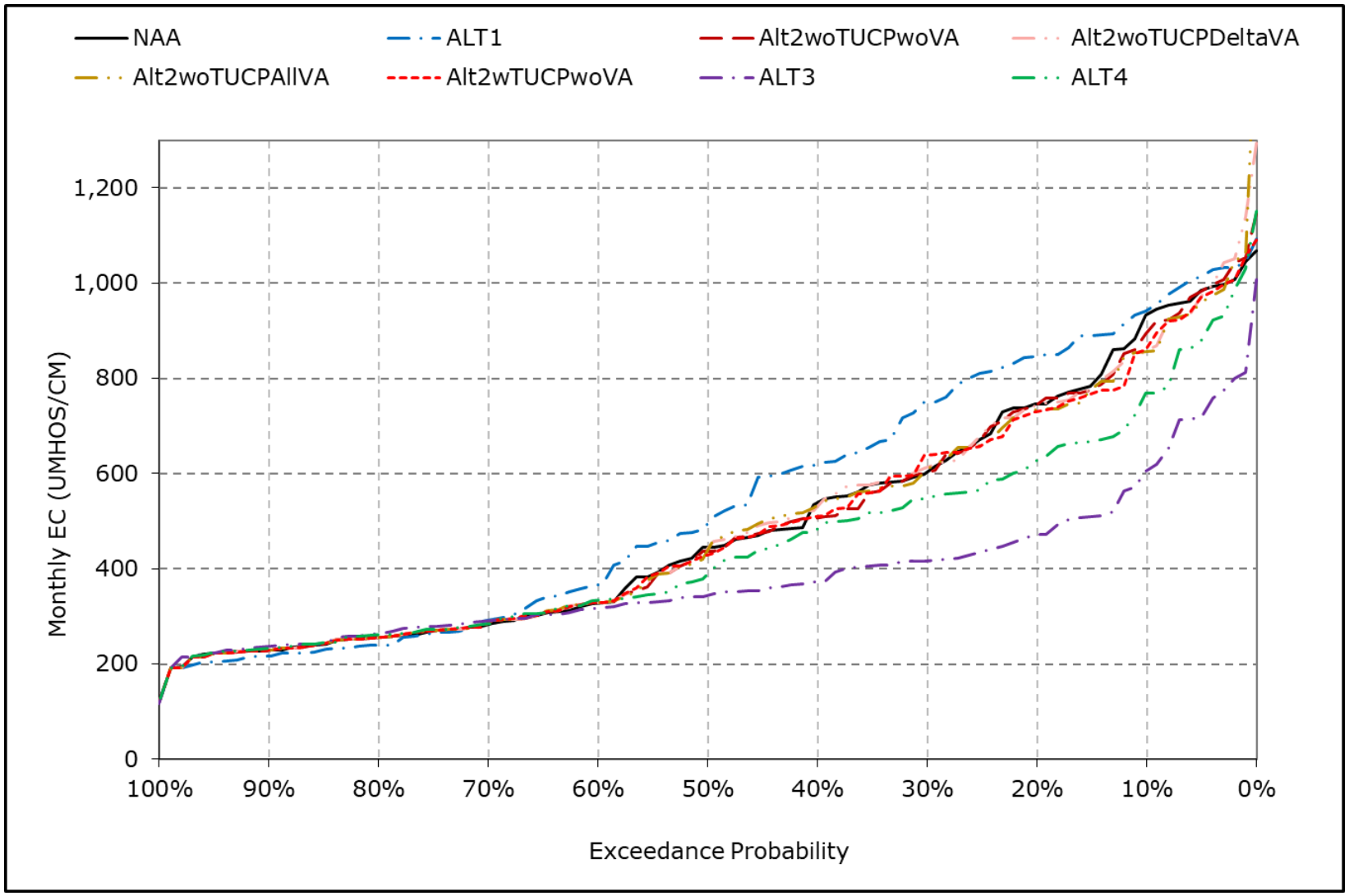
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-9-5. Old River at Rock Slough Salinity, Dry Year Average Electrical Conductivity



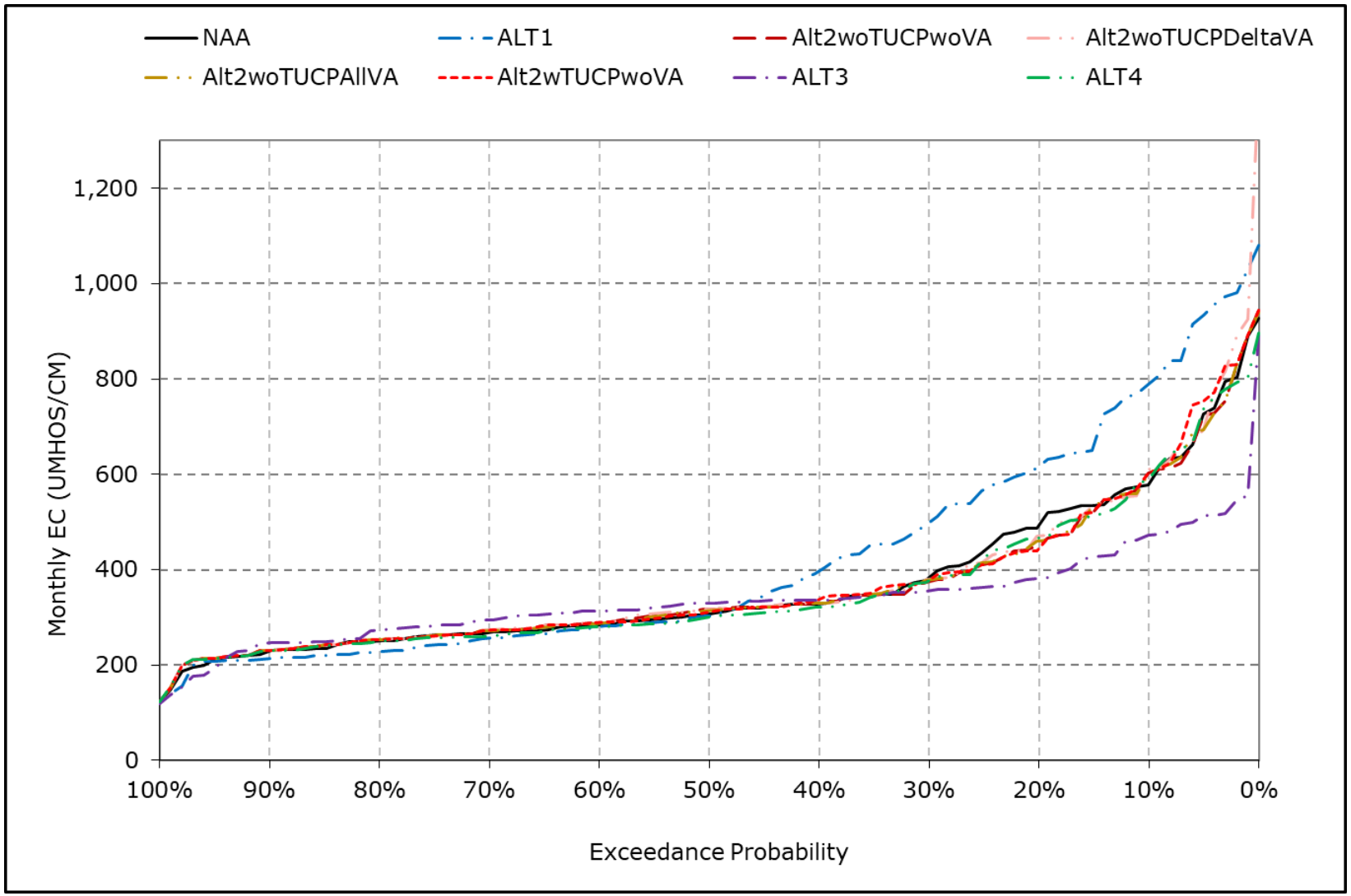
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-9-6. Old River at Rock Slough Salinity, Critical Year Average Electrical Conductivity



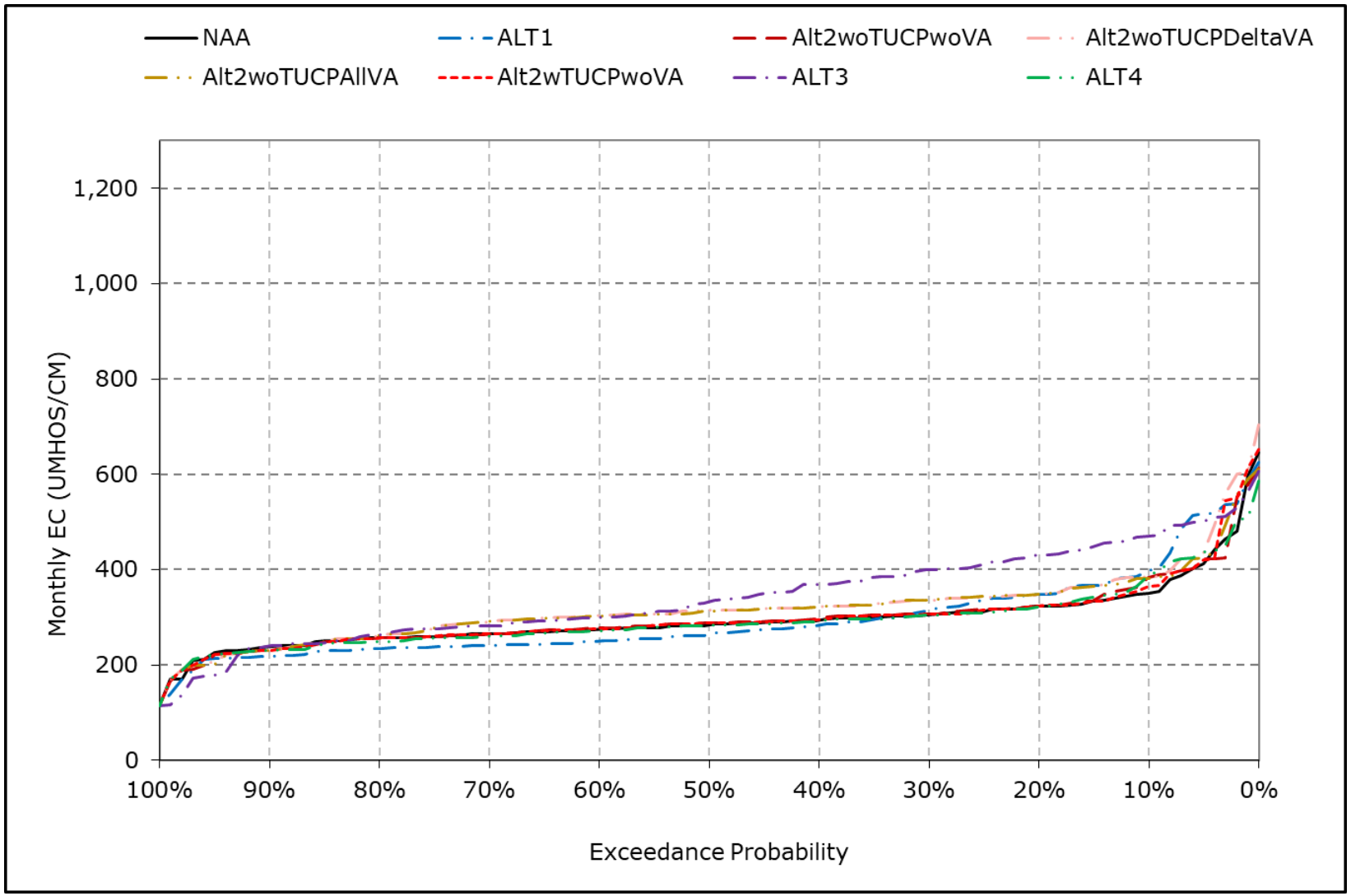
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-9-7. Old River at Rock Slough Salinity, January Electrical Conductivity



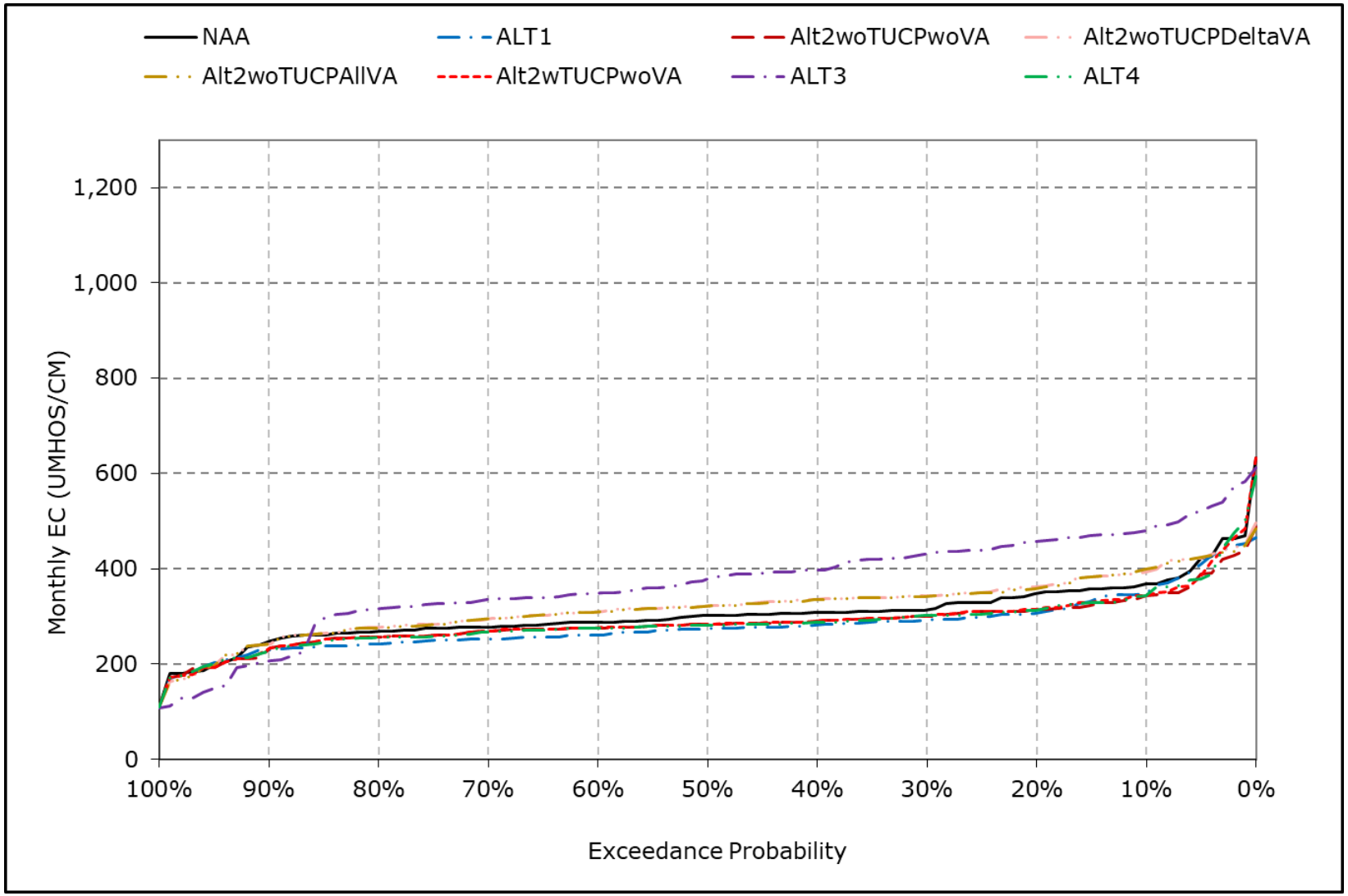
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-9-8. Old River at Rock Slough Salinity, February Electrical Conductivity



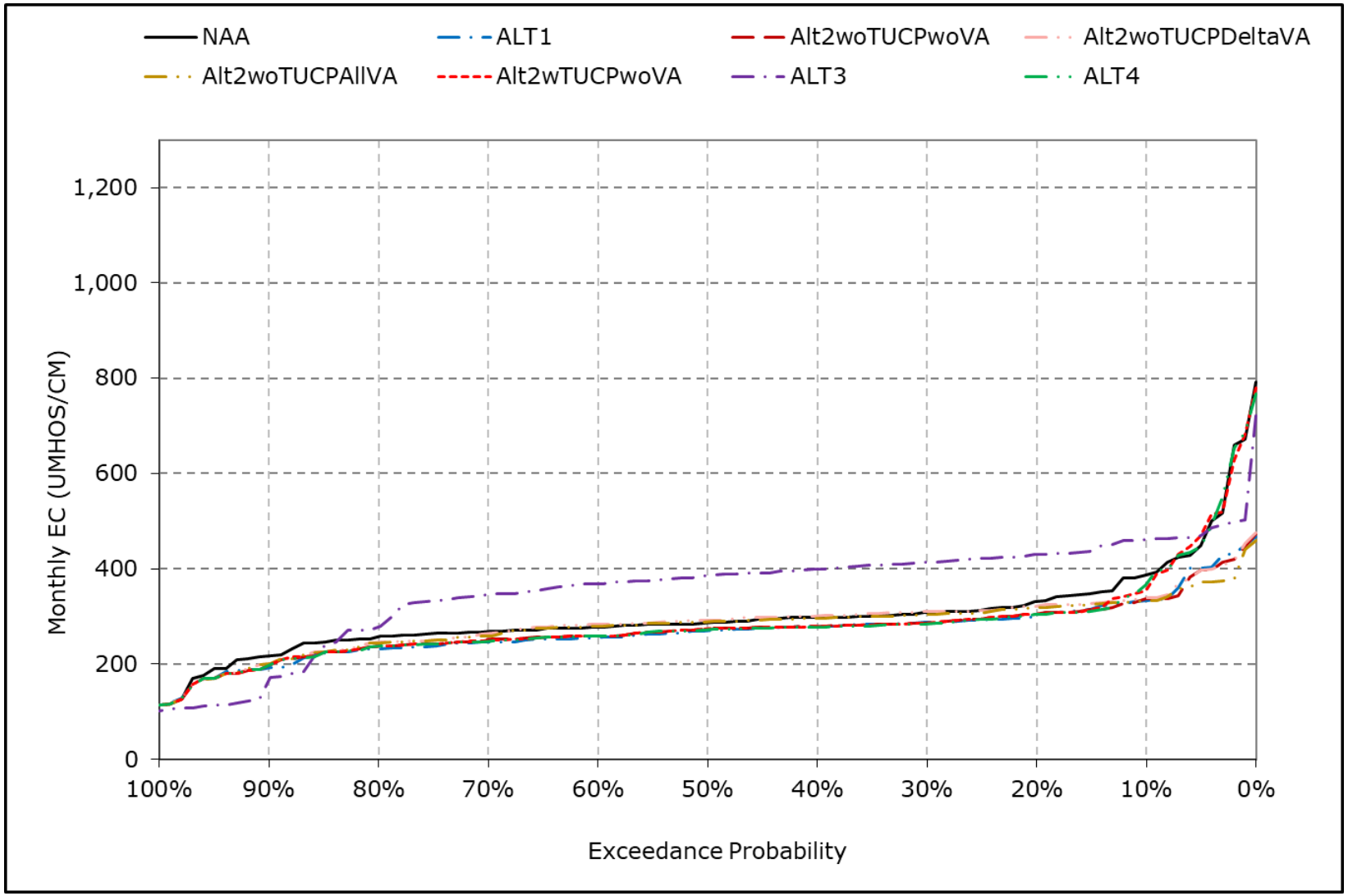
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-9-9. Old River at Rock Slough Salinity, March Electrical Conductivity



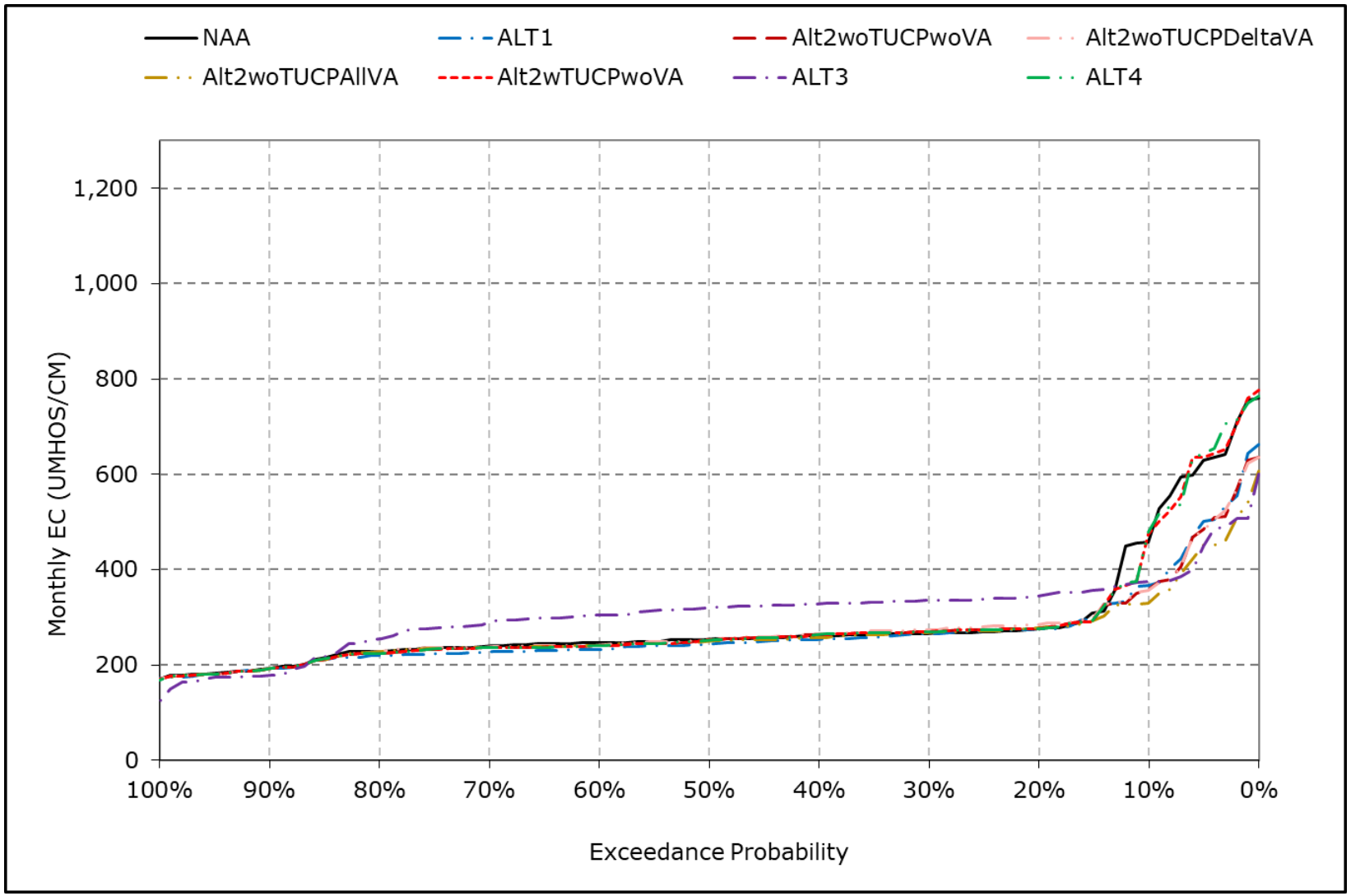
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-9-10. Old River at Rock Slough Salinity, April Electrical Conductivity



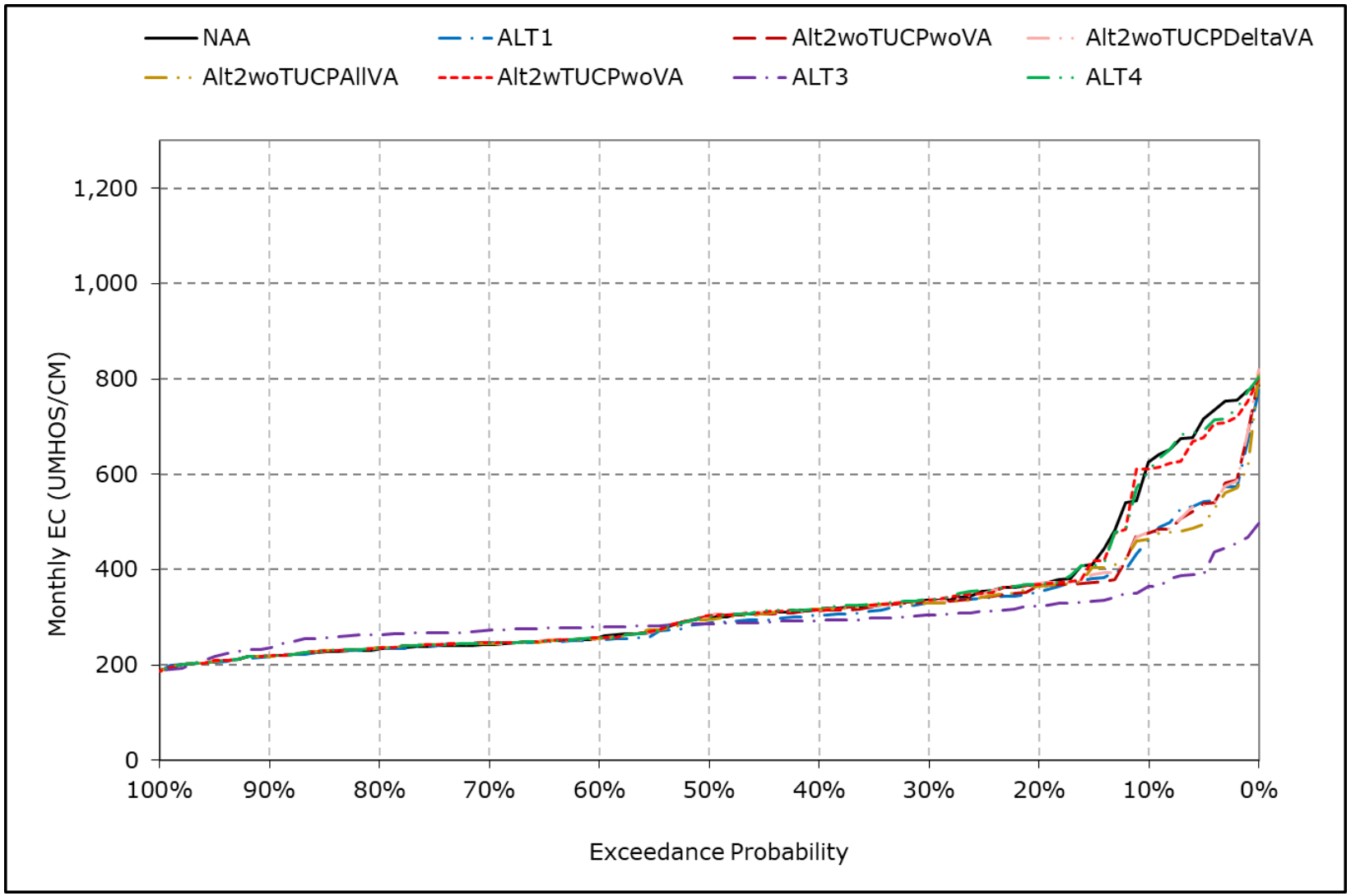
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-9-11. Old River at Rock Slough Salinity, May Electrical Conductivity



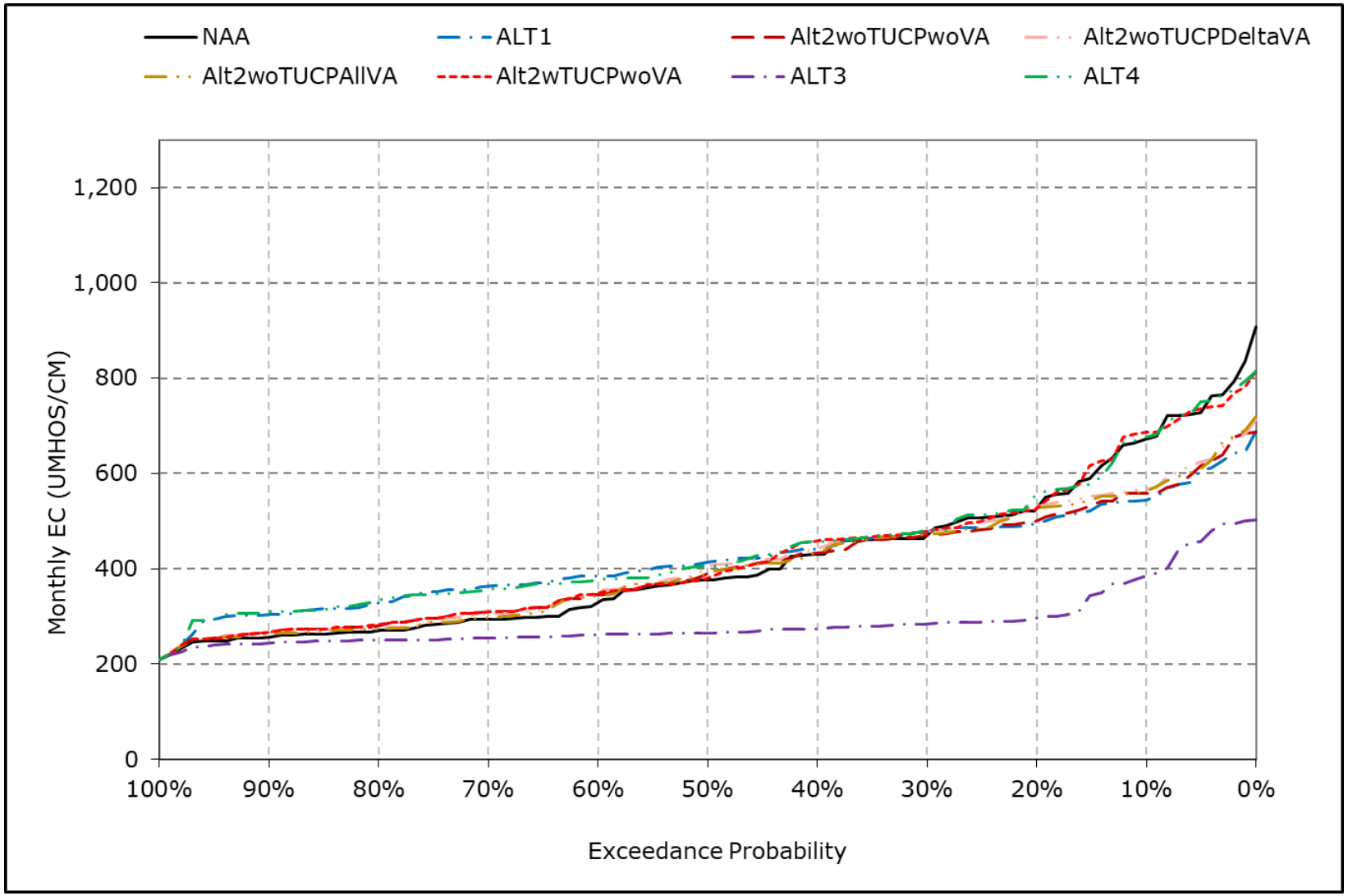
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-9-12. Old River at Rock Slough Salinity, June Electrical Conductivity



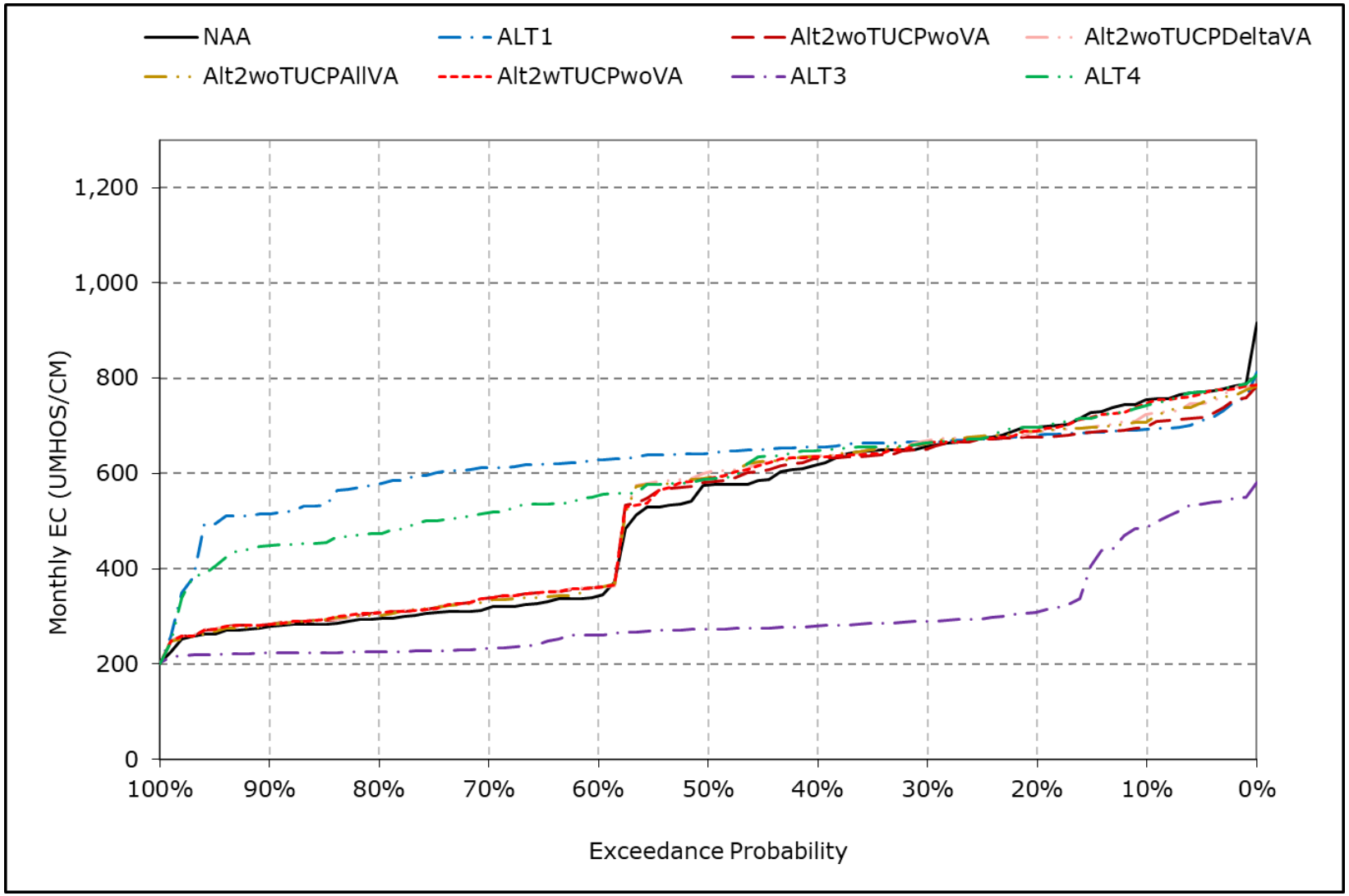
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-9-13. Old River at Rock Slough Salinity, July Electrical Conductivity



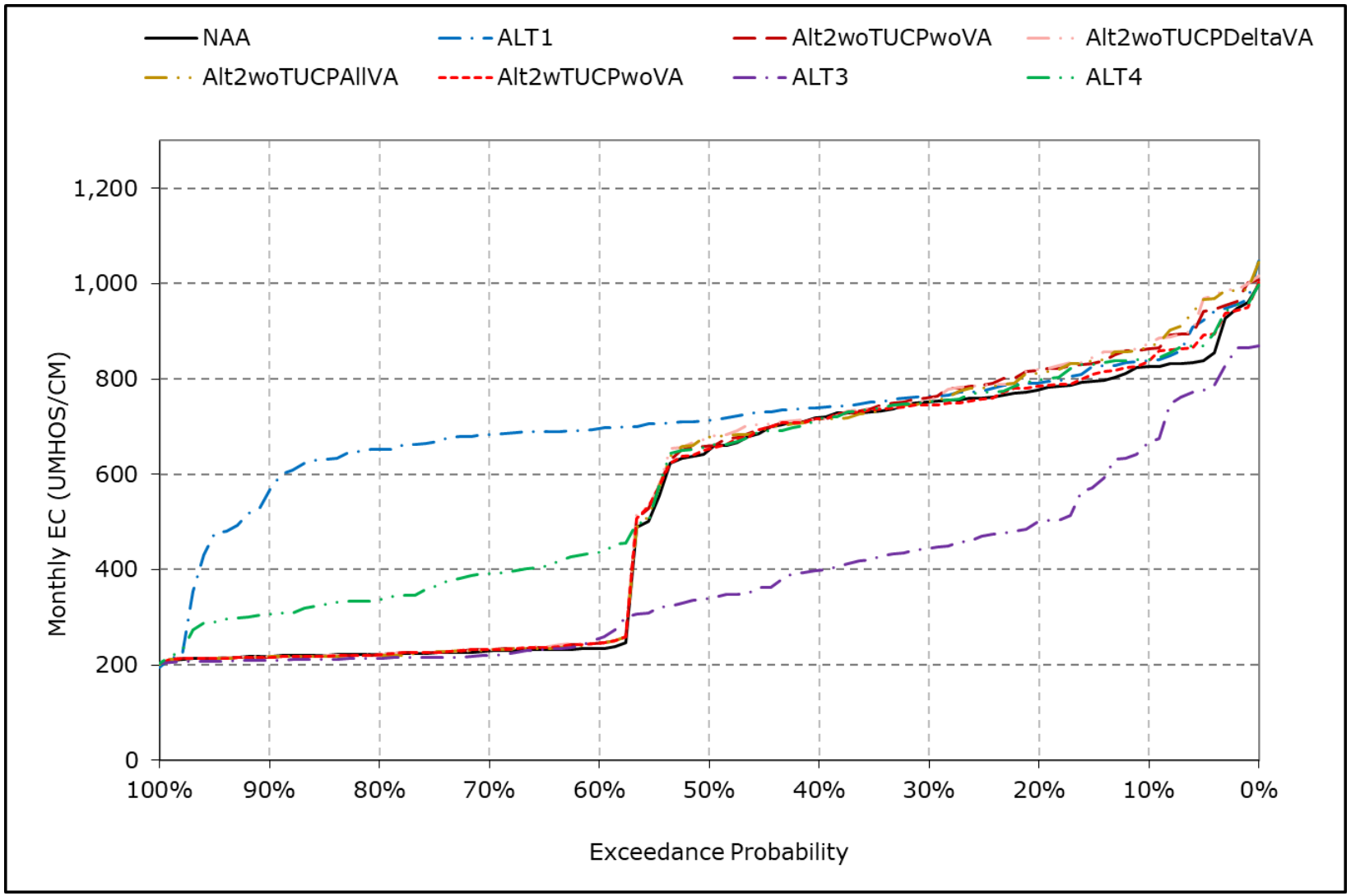
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-9-14. Old River at Rock Slough Salinity, August Electrical Conductivity



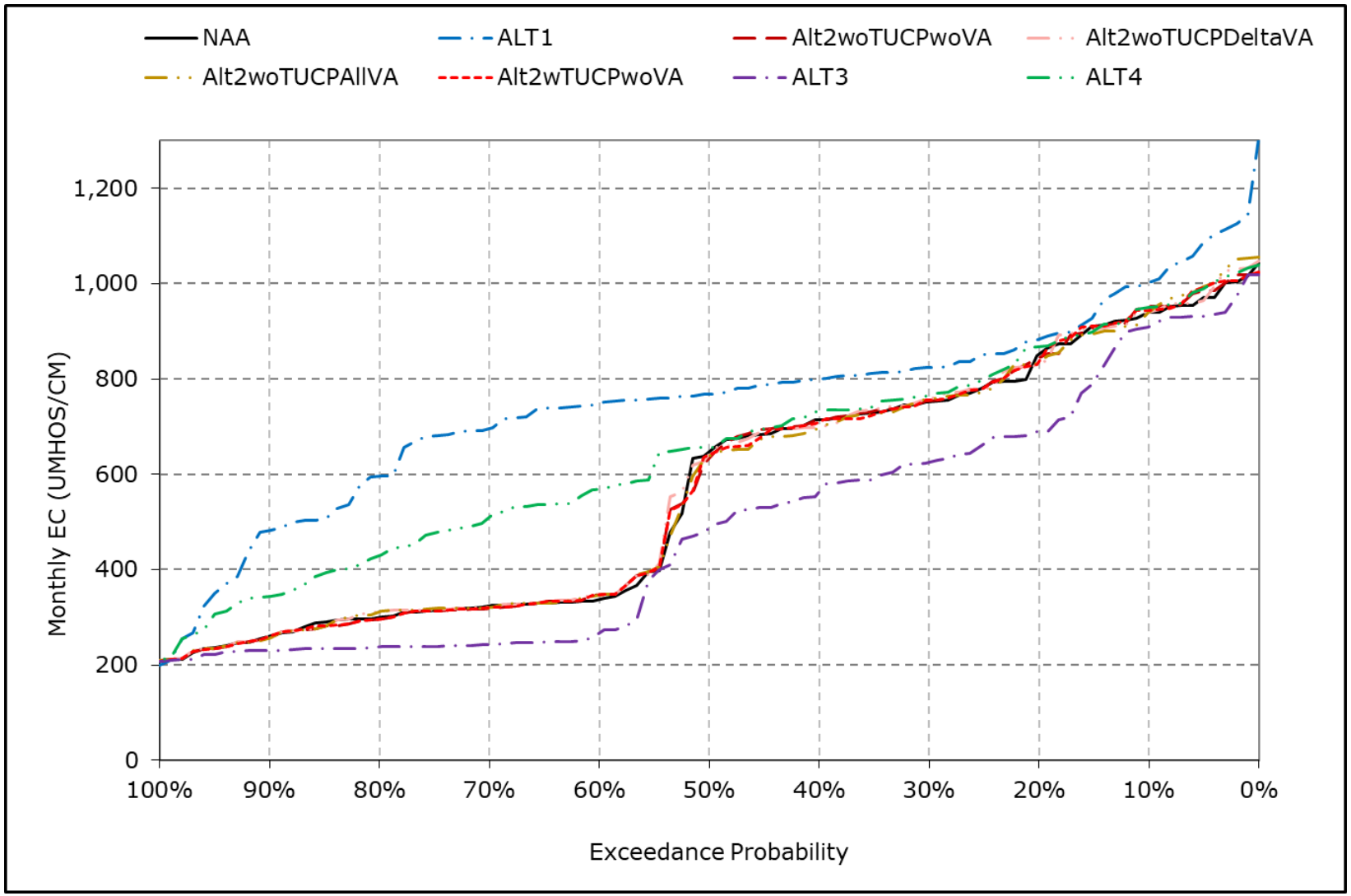
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-9-15. Old River at Rock Slough Salinity, September Electrical Conductivity



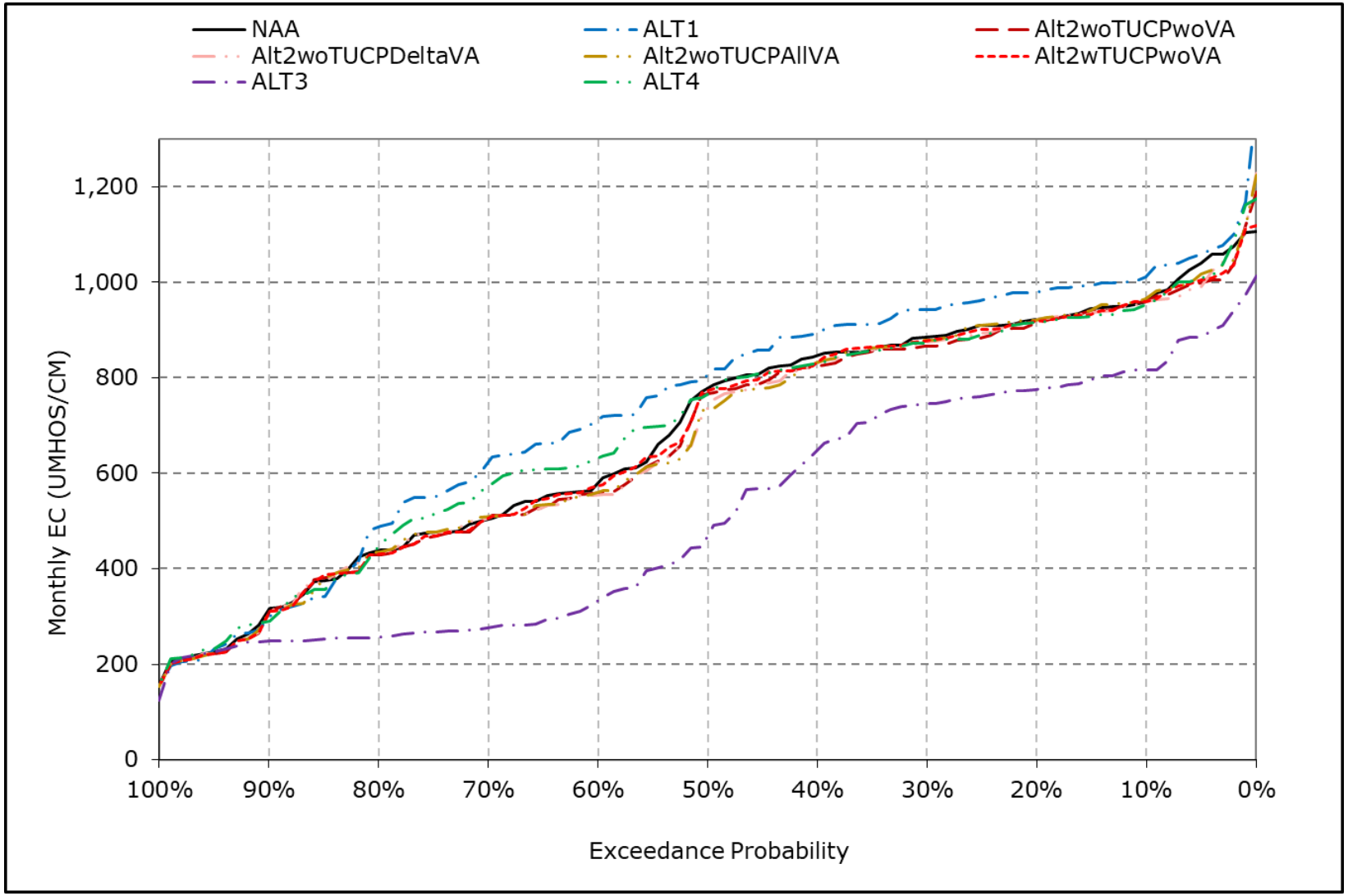
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-9-16. Old River at Rock Slough Salinity, October Electrical Conductivity



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-9-17. Old River at Rock Slough Salinity, November Electrical Conductivity



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-9-18. Old River at Rock Slough Salinity, December Electrical Conductivity

Table F.2.5-10-1a. San Joaquin River at Antioch Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,697	6,649	4,952	3,924	1,433	958	1,506	2,780	4,323	5,008	5,675	6,271
20% Exceedance	6,321	6,119	4,355	3,008	847	571	880	1,037	1,841	3,011	4,413	6,088
30% Exceedance	6,011	5,883	4,146	1,557	611	303	468	915	1,540	2,713	4,102	5,883
40% Exceedance	5,612	5,263	3,614	979	336	268	305	725	1,391	2,389	3,841	5,606
50% Exceedance	5,037	3,250	2,677	617	253	250	266	457	1,136	1,895	3,220	4,790
60% Exceedance	1,159	2,959	1,447	380	240	231	242	349	1,025	1,291	2,231	1,486
70% Exceedance	1,023	2,834	1,007	237	222	222	226	266	848	1,156	2,031	1,354
80% Exceedance	957	2,255	738	219	212	212	215	214	557	1,054	1,879	1,284
90% Exceedance	905	1,174	470	203	201	203	203	187	311	810	1,733	1,207
Full Simulation Period Average[a]	3,746	4,096	2,638	1,373	603	425	607	964	1,520	2,246	3,300	3,872
Wet Water Years (28%)	951	2,140	2,146	263	213	212	211	267	562	941	1,817	1,264
Above Normal Years (14%)	908	2,503	2,399	770	274	223	238	371	804	1,102	1,976	1,264
Below Normal Years (18%)	5,102	5,002	2,219	1,121	460	286	370	558	1,304	2,024	3,420	5,105
Dry Water Years (24%)	5,747	5,077	2,741	2,170	788	459	504	807	1,466	2,720	4,119	5,901
Critical Water Years (16%)	6,974	6,685	4,134	2,930	1,459	1,084	2,042	3,397	4,149	5,073	5,693	6,287

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-10-1b. San Joaquin River at Antioch Salinity, Alternative 1, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,368	6,494	5,465	4,504	1,836	1,102	1,147	1,947	2,300	3,552	4,881	5,979
20% Exceedance	5,844	6,063	5,137	3,949	1,386	525	762	1,134	1,703	2,857	4,366	5,692
30% Exceedance	5,560	5,853	4,685	2,965	859	370	523	1,051	1,486	2,599	4,113	5,491
40% Exceedance	5,388	5,547	4,257	1,541	610	319	322	904	1,222	2,218	3,592	5,057
50% Exceedance	5,127	5,427	3,571	1,049	275	266	277	593	1,061	1,869	3,164	4,868
60% Exceedance	4,873	5,212	2,029	597	237	232	243	394	847	1,377	3,001	4,503
70% Exceedance	4,482	4,823	1,328	288	222	214	220	270	697	1,253	2,826	4,351
80% Exceedance	4,225	3,308	956	216	207	203	210	212	540	1,071	2,721	3,895
90% Exceedance	3,852	1,790	356	201	200	200	202	187	298	860	2,616	3,644
Full Simulation Period Average[a]	4,902	4,878	3,085	1,795	775	443	513	863	1,309	2,054	3,456	4,753
Wet Water Years (28%)	3,952	3,848	2,530	336	222	211	215	296	485	985	2,577	3,800
Above Normal Years (14%)	4,468	4,812	2,885	926	306	226	242	433	682	1,164	2,767	4,176
Below Normal Years (18%)	4,773	4,952	2,698	1,645	649	332	406	686	1,071	1,892	3,219	4,542
Dry Water Years (24%)	5,367	4,918	3,416	2,981	1,098	526	558	895	1,511	2,678	4,113	5,535
Critical Water Years (16%)	6,519	6,715	4,255	3,499	1,809	1,036	1,322	2,383	3,266	3,948	4,880	5,993

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-10-1c. San Joaquin River at Antioch Salinity, Alternative 1 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-329	-155	513	580	403	144	-359	-833	-2,023	-1,456	-794	-292
20% Exceedance	-477	-56	783	941	538	-46	-118	96	-138	-153	-47	-395
30% Exceedance	-451	-30	539	1,408	248	67	54	136	-54	-114	11	-392
40% Exceedance	-224	284	642	561	274	51	17	179	-169	-171	-250	-549
50% Exceedance	90	2,177	894	432	23	16	11	137	-75	-26	-56	78
60% Exceedance	3,714	2,253	582	217	-3	1	2	45	-178	87	770	3,017
70% Exceedance	3,459	1,989	321	51	0	-8	-5	4	-152	98	795	2,997
80% Exceedance	3,268	1,053	217	-3	-5	-8	-5	-2	-18	18	842	2,611
90% Exceedance	2,948	616	-114	-3	-2	-3	-1	1	-13	50	882	2,437
Full Simulation Period Average[a]	1,155	782	447	422	172	17	-94	-101	-211	-193	156	881
Wet Water Years (28%)	3,000	1,708	384	73	9	0	5	30	-77	44	760	2,535
Above Normal Years (14%)	3,560	2,309	486	156	32	4	3	62	-122	63	791	2,912
Below Normal Years (18%)	-329	-50	479	524	190	46	36	128	-233	-131	-201	-563
Dry Water Years (24%)	-380	-159	676	811	310	67	53	87	45	-42	-5	-366
Critical Water Years (16%)	-455	30	121	568	350	-48	-720	-1,014	-883	-1,126	-813	-294

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-10-2a. San Joaquin River at Antioch Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,697	6,649	4,952	3,924	1,433	958	1,506	2,780	4,323	5,008	5,675	6,271
20% Exceedance	6,321	6,119	4,355	3,008	847	571	880	1,037	1,841	3,011	4,413	6,088
30% Exceedance	6,011	5,883	4,146	1,557	611	303	468	915	1,540	2,713	4,102	5,883
40% Exceedance	5,612	5,263	3,614	979	336	268	305	725	1,391	2,389	3,841	5,606
50% Exceedance	5,037	3,250	2,677	617	253	250	266	457	1,136	1,895	3,220	4,790
60% Exceedance	1,159	2,959	1,447	380	240	231	242	349	1,025	1,291	2,231	1,486
70% Exceedance	1,023	2,834	1,007	237	222	222	226	266	848	1,156	2,031	1,354
80% Exceedance	957	2,255	738	219	212	212	215	214	557	1,054	1,879	1,284
90% Exceedance	905	1,174	470	203	201	203	203	187	311	810	1,733	1,207
Full Simulation Period Average[a]	3,746	4,096	2,638	1,373	603	425	607	964	1,520	2,246	3,300	3,872
Wet Water Years (28%)	951	2,140	2,146	263	213	212	211	267	562	941	1,817	1,264
Above Normal Years (14%)	908	2,503	2,399	770	274	223	238	371	804	1,102	1,976	1,264
Below Normal Years (18%)	5,102	5,002	2,219	1,121	460	286	370	558	1,304	2,024	3,420	5,105
Dry Water Years (24%)	5,747	5,077	2,741	2,170	788	459	504	807	1,466	2,720	4,119	5,901
Critical Water Years (16%)	6,974	6,685	4,134	2,930	1,459	1,084	2,042	3,397	4,149	5,073	5,693	6,287

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-10-2b. San Joaquin River at Antioch Salinity, Alt2woTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7,039	6,389	4,759	3,763	1,373	795	1,084	1,860	2,305	3,539	4,784	6,427
20% Exceedance	6,459	6,020	4,343	2,596	807	481	679	1,134	1,749	2,931	4,447	6,188
30% Exceedance	6,014	5,800	4,031	1,379	475	294	449	1,062	1,592	2,643	4,095	5,933
40% Exceedance	5,722	5,446	3,632	1,024	337	269	330	888	1,391	2,282	3,794	5,701
50% Exceedance	5,067	3,207	2,434	636	254	249	271	595	1,112	1,880	3,195	5,084
60% Exceedance	1,138	2,915	1,395	354	241	232	239	394	1,027	1,317	2,297	1,543
70% Exceedance	1,064	2,681	963	239	222	221	226	277	887	1,215	2,107	1,436
80% Exceedance	949	2,233	707	219	211	212	213	212	539	1,091	1,986	1,325
90% Exceedance	911	1,232	425	202	202	203	202	186	307	842	1,890	1,254
Full Simulation Period Average[a]	3,809	4,002	2,606	1,301	578	399	495	855	1,382	2,080	3,202	3,954
Wet Water Years (28%)	959	2,135	2,139	256	213	211	212	295	563	972	1,921	1,312
Above Normal Years (14%)	890	2,412	2,411	764	275	223	238	429	789	1,146	2,051	1,330
Below Normal Years (18%)	5,182	4,901	2,186	1,143	453	285	392	686	1,315	2,014	3,306	5,163
Dry Water Years (24%)	5,790	5,113	2,696	1,958	696	449	526	885	1,509	2,748	4,200	5,989
Critical Water Years (16%)	7,230	6,223	4,030	2,790	1,443	935	1,283	2,353	3,222	3,909	4,837	6,462

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-10-2c. San Joaquin River at Antioch Salinity, Alt2woTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	342	-260	-193	-161	-60	-163	-422	-920	-2,018	-1,469	-891	156
20% Exceedance	138	-99	-12	-413	-40	-89	-200	96	-92	-79	34	101
30% Exceedance	3	-83	-115	-178	-135	-9	-19	147	52	-69	-7	50
40% Exceedance	110	182	17	45	1	1	25	163	0	-107	-47	94
50% Exceedance	29	-43	-243	20	1	-1	4	138	-24	-16	-25	294
60% Exceedance	-21	-44	-53	-27	1	0	-3	45	3	27	65	58
70% Exceedance	40	-153	-44	2	0	-1	0	11	38	60	75	82
80% Exceedance	-7	-22	-31	-1	0	0	-2	-2	-19	38	106	41
90% Exceedance	6	58	-45	-1	0	0	-1	0	-4	32	157	47
Full Simulation Period Average[a]	63	-94	-33	-72	-26	-27	-112	-109	-138	-166	-98	82
Wet Water Years (28%)	8	-4	-8	-7	0	0	2	29	0	31	105	47
Above Normal Years (14%)	-18	-91	12	-6	1	0	0	59	-15	45	75	66
Below Normal Years (18%)	80	-101	-33	22	-7	-2	22	128	11	-10	-115	58
Dry Water Years (24%)	43	36	-44	-212	-91	-10	22	78	42	28	81	88
Critical Water Years (16%)	256	-462	-104	-140	-16	-149	-759	-1,044	-928	-1,164	-855	175

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-10-3a. San Joaquin River at Antioch Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,697	6,649	4,952	3,924	1,433	958	1,506	2,780	4,323	5,008	5,675	6,271
20% Exceedance	6,321	6,119	4,355	3,008	847	571	880	1,037	1,841	3,011	4,413	6,088
30% Exceedance	6,011	5,883	4,146	1,557	611	303	468	915	1,540	2,713	4,102	5,883
40% Exceedance	5,612	5,263	3,614	979	336	268	305	725	1,391	2,389	3,841	5,606
50% Exceedance	5,037	3,250	2,677	617	253	250	266	457	1,136	1,895	3,220	4,790
60% Exceedance	1,159	2,959	1,447	380	240	231	242	349	1,025	1,291	2,231	1,486
70% Exceedance	1,023	2,834	1,007	237	222	222	226	266	848	1,156	2,031	1,354
80% Exceedance	957	2,255	738	219	212	212	215	214	557	1,054	1,879	1,284
90% Exceedance	905	1,174	470	203	201	203	203	187	311	810	1,733	1,207
Full Simulation Period Average[a]	3,746	4,096	2,638	1,373	603	425	607	964	1,520	2,246	3,300	3,872
Wet Water Years (28%)	951	2,140	2,146	263	213	212	211	267	562	941	1,817	1,264
Above Normal Years (14%)	908	2,503	2,399	770	274	223	238	371	804	1,102	1,976	1,264
Below Normal Years (18%)	5,102	5,002	2,219	1,121	460	286	370	558	1,304	2,024	3,420	5,105
Dry Water Years (24%)	5,747	5,077	2,741	2,170	788	459	504	807	1,466	2,720	4,119	5,901
Critical Water Years (16%)	6,974	6,685	4,134	2,930	1,459	1,084	2,042	3,397	4,149	5,073	5,693	6,287

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-10-3b. San Joaquin River at Antioch Salinity, Alt2woTUCPDeltaVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7,159	6,242	4,674	3,743	1,366	771	1,023	1,843	2,302	3,565	4,922	6,461
20% Exceedance	6,358	5,980	4,336	2,574	805	415	562	1,128	1,826	2,972	4,482	6,182
30% Exceedance	6,028	5,787	4,008	1,453	549	292	436	1,051	1,634	2,689	4,141	5,928
40% Exceedance	5,675	5,207	3,658	1,070	352	261	305	796	1,372	2,337	3,856	5,723
50% Exceedance	4,992	3,267	2,477	765	257	250	267	574	1,121	1,886	3,208	5,094
60% Exceedance	1,145	2,913	1,433	367	241	233	246	391	1,045	1,305	2,271	1,550
70% Exceedance	1,058	2,724	960	240	223	226	227	289	895	1,196	2,095	1,438
80% Exceedance	955	2,229	706	219	212	213	218	215	537	1,078	1,989	1,333
90% Exceedance	899	1,265	433	202	202	203	202	187	308	839	1,832	1,246
Full Simulation Period Average[a]	3,830	3,979	2,615	1,366	624	390	473	842	1,393	2,088	3,218	3,964
Wet Water Years (28%)	963	2,137	2,140	265	213	212	214	296	571	958	1,913	1,316
Above Normal Years (14%)	894	2,418	2,380	767	275	228	240	396	805	1,124	2,017	1,333
Below Normal Years (18%)	5,212	4,910	2,194	1,198	453	271	352	680	1,338	2,022	3,304	5,174
Dry Water Years (24%)	5,782	5,064	2,662	2,010	729	394	468	852	1,515	2,785	4,266	5,994
Critical Water Years (16%)	7,334	6,128	4,166	3,039	1,681	976	1,277	2,352	3,225	3,939	4,884	6,492

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-10-3c. San Joaquin River at Antioch Salinity, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	462	-408	-278	-181	-67	-187	-483	-937	-2,021	-1,443	-753	190
20% Exceedance	37	-139	-19	-434	-42	-156	-318	90	-15	-38	69	94
30% Exceedance	17	-96	-139	-103	-62	-10	-32	136	94	-24	39	45
40% Exceedance	63	-57	43	91	16	-8	0	71	-19	-53	15	116
50% Exceedance	-46	17	-200	149	4	0	1	117	-15	-9	-12	304
60% Exceedance	-14	-46	-15	-13	1	2	5	42	21	14	40	64
70% Exceedance	34	-111	-47	3	2	4	2	23	47	40	64	84
80% Exceedance	-1	-26	-32	0	1	1	3	1	-20	25	110	49
90% Exceedance	-5	91	-37	-1	0	0	-1	0	-2	29	99	39
Full Simulation Period Average[a]	83	-117	-23	-7	20	-35	-134	-123	-128	-158	-82	92
Wet Water Years (28%)	11	-3	-6	1	0	0	3	29	8	17	96	52
Above Normal Years (14%)	-14	-84	-19	-2	1	5	1	26	1	22	41	70
Below Normal Years (18%)	110	-92	-25	78	-7	-16	-19	122	34	-2	-116	69
Dry Water Years (24%)	34	-13	-79	-161	-59	-65	-37	45	49	65	147	92
Critical Water Years (16%)	360	-557	33	109	222	-108	-765	-1,045	-924	-1,134	-809	205

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-10-4a. San Joaquin River at Antioch Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,697	6,649	4,952	3,924	1,433	958	1,506	2,780	4,323	5,008	5,675	6,271
20% Exceedance	6,321	6,119	4,355	3,008	847	571	880	1,037	1,841	3,011	4,413	6,088
30% Exceedance	6,011	5,883	4,146	1,557	611	303	468	915	1,540	2,713	4,102	5,883
40% Exceedance	5,612	5,263	3,614	979	336	268	305	725	1,391	2,389	3,841	5,606
50% Exceedance	5,037	3,250	2,677	617	253	250	266	457	1,136	1,895	3,220	4,790
60% Exceedance	1,159	2,959	1,447	380	240	231	242	349	1,025	1,291	2,231	1,486
70% Exceedance	1,023	2,834	1,007	237	222	222	226	266	848	1,156	2,031	1,354
80% Exceedance	957	2,255	738	219	212	212	215	214	557	1,054	1,879	1,284
90% Exceedance	905	1,174	470	203	201	203	203	187	311	810	1,733	1,207
Full Simulation Period Average[a]	3,746	4,096	2,638	1,373	603	425	607	964	1,520	2,246	3,300	3,872
Wet Water Years (28%)	951	2,140	2,146	263	213	212	211	267	562	941	1,817	1,264
Above Normal Years (14%)	908	2,503	2,399	770	274	223	238	371	804	1,102	1,976	1,264
Below Normal Years (18%)	5,102	5,002	2,219	1,121	460	286	370	558	1,304	2,024	3,420	5,105
Dry Water Years (24%)	5,747	5,077	2,741	2,170	788	459	504	807	1,466	2,720	4,119	5,901
Critical Water Years (16%)	6,974	6,685	4,134	2,930	1,459	1,084	2,042	3,397	4,149	5,073	5,693	6,287

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-10-4b. San Joaquin River at Antioch Salinity, Alt2woTUCPAllVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7,032	6,312	4,817	3,832	1,324	661	948	1,619	2,125	3,653	4,839	6,454
20% Exceedance	6,539	6,072	4,393	2,428	813	411	494	983	1,728	2,942	4,492	6,138
30% Exceedance	5,917	5,782	4,050	1,508	550	291	354	869	1,573	2,732	4,145	5,939
40% Exceedance	5,623	5,213	3,664	1,064	338	260	278	673	1,321	2,289	3,832	5,746
50% Exceedance	4,928	3,228	2,404	753	254	248	257	439	1,123	1,938	3,117	5,071
60% Exceedance	1,137	2,910	1,370	370	241	234	239	338	1,034	1,308	2,217	1,529
70% Exceedance	1,059	2,692	972	240	224	225	226	268	860	1,192	2,078	1,404
80% Exceedance	955	2,232	739	220	212	213	218	213	546	1,059	1,979	1,325
90% Exceedance	904	1,217	429	202	202	203	203	187	310	829	1,789	1,241
Full Simulation Period Average[a]	3,793	3,975	2,625	1,332	571	374	430	723	1,326	2,074	3,196	3,950
Wet Water Years (28%)	961	2,138	2,140	259	213	212	213	289	570	954	1,900	1,310
Above Normal Years (14%)	897	2,423	2,360	760	275	228	237	336	780	1,107	1,965	1,320
Below Normal Years (18%)	5,038	4,841	2,201	1,161	452	270	298	527	1,298	2,010	3,259	5,122
Dry Water Years (24%)	5,779	5,009	2,703	2,039	723	388	405	713	1,438	2,792	4,267	5,991
Critical Water Years (16%)	7,304	6,262	4,181	2,843	1,363	884	1,165	2,055	2,989	3,872	4,862	6,490

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-10-4c. San Joaquin River at Antioch Salinity, Alt2woTUCPAllVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	335	-337	-136	-92	-109	-297	-557	-1,161	-2,197	-1,355	-836	183
20% Exceedance	218	-47	38	-580	-34	-160	-386	-54	-114	-68	79	50
30% Exceedance	-94	-101	-96	-49	-61	-11	-115	-46	33	19	43	56
40% Exceedance	11	-50	50	85	2	-9	-27	-52	-71	-100	-9	140
50% Exceedance	-110	-22	-273	136	1	-1	-9	-18	-13	43	-102	281
60% Exceedance	-22	-49	-78	-10	1	3	-3	-11	10	18	-14	44
70% Exceedance	36	-142	-35	2	2	3	0	2	11	36	46	49
80% Exceedance	-1	-23	0	0	1	1	3	-1	-11	6	99	42
90% Exceedance	-1	43	-41	-1	0	0	-1	0	-1	20	56	34
Full Simulation Period Average[a]	46	-121	-13	-41	-32	-51	-177	-241	-195	-173	-105	78
Wet Water Years (28%)	9	-1	-7	-4	0	0	2	23	8	13	83	45
Above Normal Years (14%)	-11	-79	-39	-9	1	5	-2	-34	-23	5	-11	56
Below Normal Years (18%)	-64	-161	-19	41	-8	-16	-72	-31	-6	-13	-161	17
Dry Water Years (24%)	31	-68	-38	-132	-65	-71	-100	-94	-29	72	148	90
Critical Water Years (16%)	330	-423	47	-88	-96	-200	-876	-1,342	-1,161	-1,201	-831	203

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-10-5a. San Joaquin River at Antioch Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,697	6,649	4,952	3,924	1,433	958	1,506	2,780	4,323	5,008	5,675	6,271
20% Exceedance	6,321	6,119	4,355	3,008	847	571	880	1,037	1,841	3,011	4,413	6,088
30% Exceedance	6,011	5,883	4,146	1,557	611	303	468	915	1,540	2,713	4,102	5,883
40% Exceedance	5,612	5,263	3,614	979	336	268	305	725	1,391	2,389	3,841	5,606
50% Exceedance	5,037	3,250	2,677	617	253	250	266	457	1,136	1,895	3,220	4,790
60% Exceedance	1,159	2,959	1,447	380	240	231	242	349	1,025	1,291	2,231	1,486
70% Exceedance	1,023	2,834	1,007	237	222	222	226	266	848	1,156	2,031	1,354
80% Exceedance	957	2,255	738	219	212	212	215	214	557	1,054	1,879	1,284
90% Exceedance	905	1,174	470	203	201	203	203	187	311	810	1,733	1,207
Full Simulation Period Average[a]	3,746	4,096	2,638	1,373	603	425	607	964	1,520	2,246	3,300	3,872
Wet Water Years (28%)	951	2,140	2,146	263	213	212	211	267	562	941	1,817	1,264
Above Normal Years (14%)	908	2,503	2,399	770	274	223	238	371	804	1,102	1,976	1,264
Below Normal Years (18%)	5,102	5,002	2,219	1,121	460	286	370	558	1,304	2,024	3,420	5,105
Dry Water Years (24%)	5,747	5,077	2,741	2,170	788	459	504	807	1,466	2,720	4,119	5,901
Critical Water Years (16%)	6,974	6,685	4,134	2,930	1,459	1,084	2,042	3,397	4,149	5,073	5,693	6,287

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-10-5b. San Joaquin River at Antioch Salinity, Alt2wTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,731	6,573	4,759	3,824	1,376	1,023	1,332	2,641	4,383	4,951	5,265	6,299
20% Exceedance	6,438	6,119	4,469	2,559	807	585	906	1,134	1,836	2,990	4,592	6,120
30% Exceedance	6,014	5,805	4,199	1,539	527	305	478	1,062	1,612	2,677	4,094	5,922
40% Exceedance	5,705	5,472	3,648	976	331	266	330	866	1,415	2,330	3,781	5,553
50% Exceedance	5,050	3,209	2,523	592	254	249	271	595	1,115	1,866	3,183	5,052
60% Exceedance	1,138	2,926	1,404	356	241	232	239	394	1,027	1,318	2,298	1,544
70% Exceedance	1,064	2,681	1,016	239	222	221	225	277	887	1,219	2,106	1,436
80% Exceedance	949	2,233	708	219	211	213	213	212	538	1,091	1,985	1,325
90% Exceedance	914	1,228	422	202	202	203	202	186	305	842	1,890	1,254
Full Simulation Period Average[a]	3,771	4,056	2,599	1,312	605	430	610	1,012	1,507	2,234	3,313	3,915
Wet Water Years (28%)	960	2,136	2,137	255	213	211	212	295	563	972	1,921	1,311
Above Normal Years (14%)	898	2,417	2,415	763	275	223	238	429	788	1,147	2,053	1,333
Below Normal Years (18%)	5,163	4,881	2,213	1,141	451	283	392	687	1,317	1,984	3,271	5,121
Dry Water Years (24%)	5,778	5,107	2,751	1,998	699	449	526	885	1,508	2,751	4,203	5,990
Critical Water Years (16%)	7,009	6,605	3,869	2,806	1,610	1,129	2,005	3,336	4,004	4,902	5,565	6,264

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-10-5c. San Joaquin River at Antioch Salinity, Alt2wTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	34	-77	-193	-100	-57	65	-174	-138	60	-57	-410	28
20% Exceedance	118	0	114	-449	-40	14	27	96	-5	-21	179	32
30% Exceedance	3	-78	53	-17	-84	2	10	147	73	-36	-8	39
40% Exceedance	93	209	33	-3	-5	-3	25	142	24	-59	-60	-53
50% Exceedance	13	-41	-154	-25	1	-1	4	138	-21	-29	-37	262
60% Exceedance	-21	-33	-44	-24	1	0	-3	45	2	27	66	58
70% Exceedance	40	-153	8	2	0	-1	0	11	38	63	75	82
80% Exceedance	-7	-22	-31	-1	0	1	-2	-2	-19	38	106	41
90% Exceedance	9	54	-48	-1	0	0	-1	0	-6	32	157	47
Full Simulation Period Average[a]	24	-41	-39	-61	1	4	4	48	-13	-12	13	43
Wet Water Years (28%)	9	-4	-10	-8	0	0	2	29	0	31	104	47
Above Normal Years (14%)	-10	-86	16	-7	1	0	-1	58	-16	45	77	69
Below Normal Years (18%)	61	-121	-6	20	-9	-3	22	128	13	-40	-150	17
Dry Water Years (24%)	31	29	11	-172	-89	-10	22	77	42	31	84	88
Critical Water Years (16%)	35	-80	-265	-125	151	45	-36	-61	-145	-172	-127	-23

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-10-6a. San Joaquin River at Antioch Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,697	6,649	4,952	3,924	1,433	958	1,506	2,780	4,323	5,008	5,675	6,271
20% Exceedance	6,321	6,119	4,355	3,008	847	571	880	1,037	1,841	3,011	4,413	6,088
30% Exceedance	6,011	5,883	4,146	1,557	611	303	468	915	1,540	2,713	4,102	5,883
40% Exceedance	5,612	5,263	3,614	979	336	268	305	725	1,391	2,389	3,841	5,606
50% Exceedance	5,037	3,250	2,677	617	253	250	266	457	1,136	1,895	3,220	4,790
60% Exceedance	1,159	2,959	1,447	380	240	231	242	349	1,025	1,291	2,231	1,486
70% Exceedance	1,023	2,834	1,007	237	222	222	226	266	848	1,156	2,031	1,354
80% Exceedance	957	2,255	738	219	212	212	215	214	557	1,054	1,879	1,284
90% Exceedance	905	1,174	470	203	201	203	203	187	311	810	1,733	1,207
Full Simulation Period Average[a]	3,746	4,096	2,638	1,373	603	425	607	964	1,520	2,246	3,300	3,872
Wet Water Years (28%)	951	2,140	2,146	263	213	212	211	267	562	941	1,817	1,264
Above Normal Years (14%)	908	2,503	2,399	770	274	223	238	371	804	1,102	1,976	1,264
Below Normal Years (18%)	5,102	5,002	2,219	1,121	460	286	370	558	1,304	2,024	3,420	5,105
Dry Water Years (24%)	5,747	5,077	2,741	2,170	788	459	504	807	1,466	2,720	4,119	5,901
Critical Water Years (16%)	6,974	6,685	4,134	2,930	1,459	1,084	2,042	3,397	4,149	5,073	5,693	6,287

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-10-6b. San Joaquin River at Antioch Salinity, Alternative 3, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,539	6,298	4,956	1,937	630	630	760	1,436	2,269	2,740	3,520	5,025
20% Exceedance	4,990	5,773	3,003	1,185	480	349	420	862	1,446	2,235	2,110	3,084
30% Exceedance	4,496	5,470	1,799	721	307	272	349	588	1,333	1,968	1,916	2,885
40% Exceedance	3,755	4,816	1,323	429	262	252	283	437	1,117	1,753	1,819	2,710
50% Exceedance	3,296	2,678	971	288	251	245	257	318	995	1,618	1,753	2,592
60% Exceedance	1,043	1,247	703	254	239	234	247	260	915	1,467	1,598	1,107
70% Exceedance	908	1,012	508	232	225	229	232	237	776	1,213	1,397	1,005
80% Exceedance	852	916	320	220	211	218	217	223	612	979	1,211	932
90% Exceedance	787	856	248	203	205	207	199	176	374	734	1,062	887
Full Simulation Period Average[a]	3,066	3,312	1,679	739	387	331	433	670	1,140	1,710	1,915	2,411
Wet Water Years (28%)	832	942	770	230	218	218	217	218	579	813	1,117	927
Above Normal Years (14%)	828	892	682	295	228	227	245	276	829	1,437	1,476	926
Below Normal Years (18%)	3,293	4,349	2,008	600	290	248	282	444	1,221	2,022	1,953	2,667
Dry Water Years (24%)	4,529	4,810	2,471	919	407	310	344	583	1,036	1,721	1,815	2,889
Critical Water Years (16%)	6,864	6,511	2,708	1,905	903	743	1,283	2,188	2,460	3,149	3,806	5,299

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-10-6c. San Joaquin River at Antioch Salinity, Alternative 3 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-158	-351	4	-1,986	-803	-328	-746	-1,344	-2,053	-2,268	-2,155	-1,246
20% Exceedance	-1,331	-346	-1,352	-1,824	-367	-222	-459	-175	-395	-776	-2,303	-3,004
30% Exceedance	-1,515	-413	-2,348	-836	-304	-31	-119	-327	-207	-745	-2,186	-2,998
40% Exceedance	-1,857	-448	-2,291	-551	-74	-16	-22	-288	-274	-637	-2,022	-2,896
50% Exceedance	-1,742	-572	-1,706	-328	-2	-5	-10	-139	-141	-278	-1,466	-2,198
60% Exceedance	-115	-1,712	-745	-126	-1	3	5	-89	-110	177	-633	-379
70% Exceedance	-115	-1,822	-499	-5	3	7	6	-30	-72	57	-635	-349
80% Exceedance	-105	-1,339	-419	1	0	6	3	8	55	-75	-668	-351
90% Exceedance	-118	-318	-222	-1	4	4	-4	-10	64	-75	-671	-320
Full Simulation Period Average[a]	-680	-785	-959	-634	-216	-95	-173	-295	-380	-537	-1,385	-1,462
Wet Water Years (28%)	-119	-1,197	-1,376	-34	5	7	6	-49	17	-127	-700	-337
Above Normal Years (14%)	-80	-1,610	-1,717	-474	-46	4	6	-95	25	335	-500	-338
Below Normal Years (18%)	-1,809	-653	-211	-521	-169	-38	-88	-114	-83	-2	-1,468	-2,438
Dry Water Years (24%)	-1,218	-267	-269	-1,252	-380	-149	-161	-225	-430	-999	-2,304	-3,012
Critical Water Years (16%)	-110	-174	-1,426	-1,025	-556	-341	-759	-1,209	-1,689	-1,925	-1,887	-988

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-10-7a. San Joaquin River at Antioch Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,697	6,649	4,952	3,924	1,433	958	1,506	2,780	4,323	5,008	5,675	6,271
20% Exceedance	6,321	6,119	4,355	3,008	847	571	880	1,037	1,841	3,011	4,413	6,088
30% Exceedance	6,011	5,883	4,146	1,557	611	303	468	915	1,540	2,713	4,102	5,883
40% Exceedance	5,612	5,263	3,614	979	336	268	305	725	1,391	2,389	3,841	5,606
50% Exceedance	5,037	3,250	2,677	617	253	250	266	457	1,136	1,895	3,220	4,790
60% Exceedance	1,159	2,959	1,447	380	240	231	242	349	1,025	1,291	2,231	1,486
70% Exceedance	1,023	2,834	1,007	237	222	222	226	266	848	1,156	2,031	1,354
80% Exceedance	957	2,255	738	219	212	212	215	214	557	1,054	1,879	1,284
90% Exceedance	905	1,174	470	203	201	203	203	187	311	810	1,733	1,207
Full Simulation Period Average[a]	3,746	4,096	2,638	1,373	603	425	607	964	1,520	2,246	3,300	3,872
Wet Water Years (28%)	951	2,140	2,146	263	213	212	211	267	562	941	1,817	1,264
Above Normal Years (14%)	908	2,503	2,399	770	274	223	238	371	804	1,102	1,976	1,264
Below Normal Years (18%)	5,102	5,002	2,219	1,121	460	286	370	558	1,304	2,024	3,420	5,105
Dry Water Years (24%)	5,747	5,077	2,741	2,170	788	459	504	807	1,466	2,720	4,119	5,901
Critical Water Years (16%)	6,974	6,685	4,134	2,930	1,459	1,084	2,042	3,397	4,149	5,073	5,693	6,287

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-10-7b. San Joaquin River at Antioch Salinity, Alternative 4, Monthly Electrical Conductivity (UMHOS/CM)

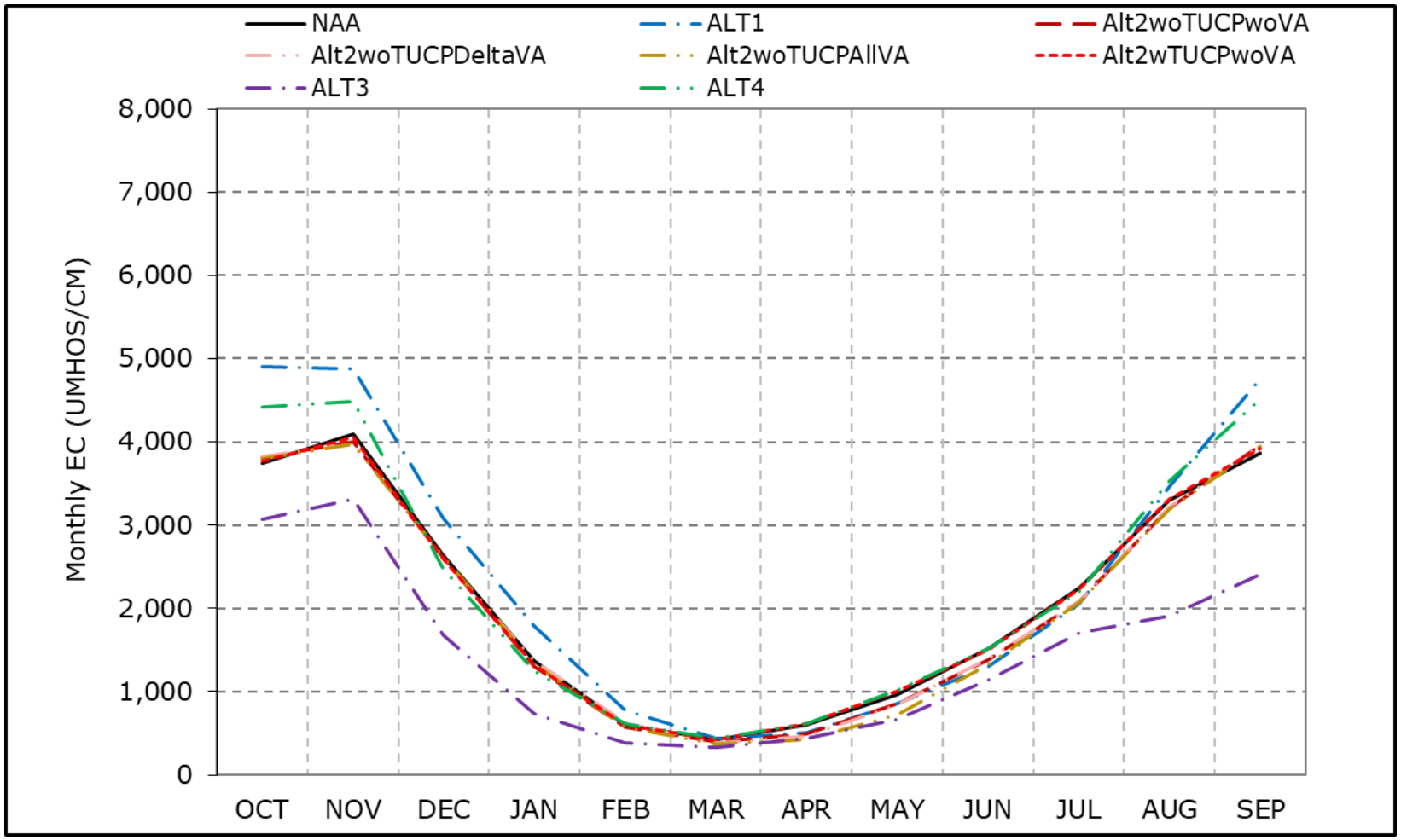
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,745	6,608	4,795	3,777	1,539	1,011	1,344	2,646	4,498	4,704	5,220	6,377
20% Exceedance	6,394	6,086	4,367	2,598	858	591	920	1,132	1,828	2,954	4,315	6,096
30% Exceedance	6,058	5,853	3,897	1,408	571	304	478	1,058	1,607	2,646	4,114	5,845
40% Exceedance	5,757	5,433	3,140	866	323	262	326	867	1,441	2,210	3,734	5,674
50% Exceedance	4,880	4,563	2,155	547	252	248	270	606	1,115	1,844	3,089	5,104
60% Exceedance	2,869	4,277	1,346	337	237	231	238	400	1,028	1,331	2,916	3,279
70% Exceedance	2,643	3,813	992	237	218	220	224	277	888	1,198	2,757	3,000
80% Exceedance	2,512	3,036	730	220	211	210	213	212	538	1,096	2,640	2,838
90% Exceedance	2,166	1,449	439	203	201	202	202	186	303	845	2,523	2,695
Full Simulation Period Average[a]	4,418	4,485	2,477	1,254	617	437	614	1,017	1,523	2,209	3,532	4,516
Wet Water Years (28%)	2,444	3,122	1,830	248	213	211	212	295	561	969	2,488	2,698
Above Normal Years (14%)	2,325	3,444	2,259	498	253	221	237	431	790	1,139	2,768	2,895
Below Normal Years (18%)	5,166	4,895	2,205	988	449	283	381	691	1,334	1,925	3,203	5,100
Dry Water Years (24%)	5,810	5,113	2,711	2,045	823	473	521	888	1,512	2,685	4,106	5,951
Critical Water Years (16%)	7,071	6,576	3,856	2,788	1,525	1,141	2,047	3,355	4,079	4,920	5,541	6,305

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-10-7c. San Joaquin River at Antioch Salinity, Alternative 4 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

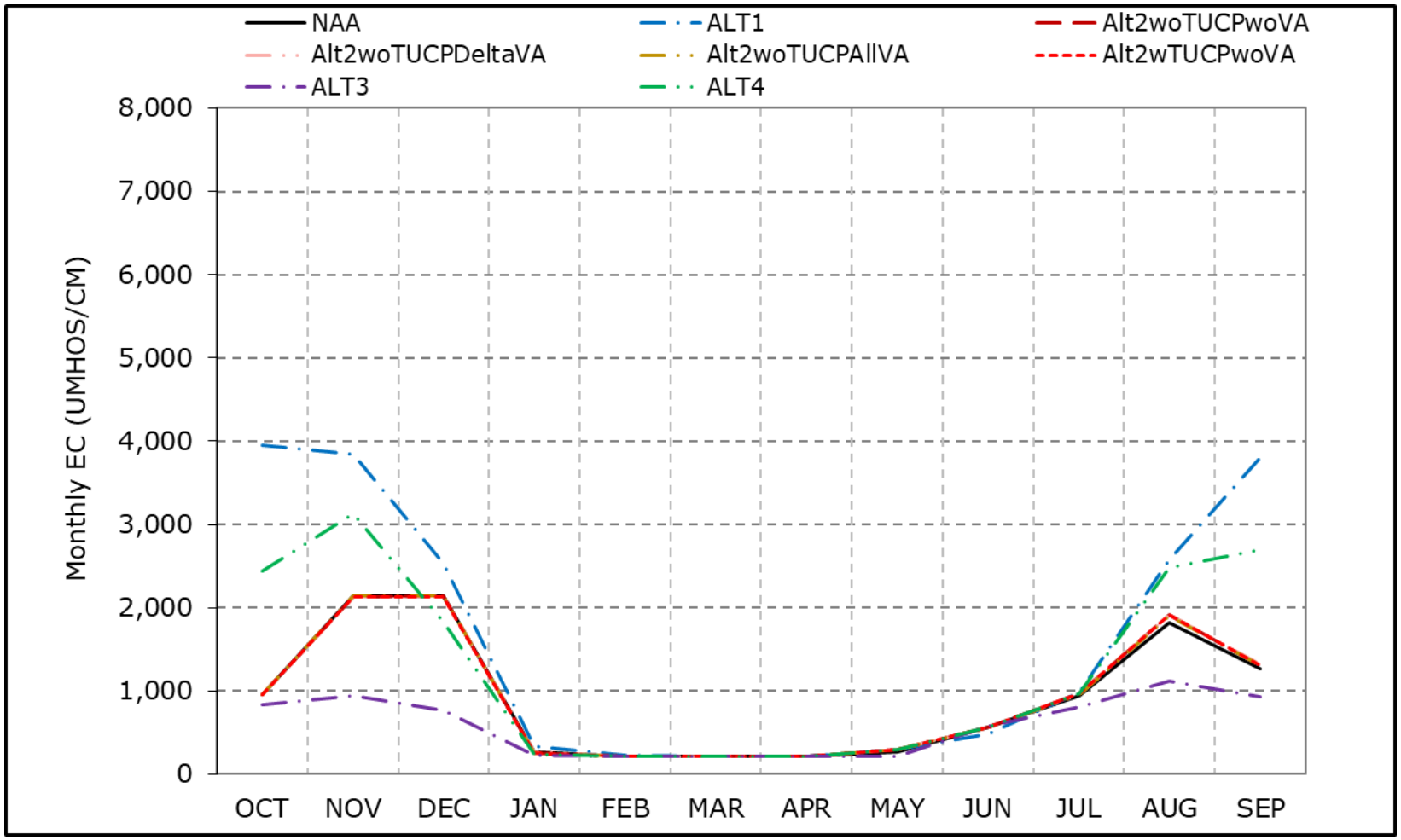
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	48	-42	-158	-146	106	53	-161	-134	175	-304	-455	106
20% Exceedance	73	-33	12	-410	10	20	41	95	-13	-57	-98	8
30% Exceedance	47	-30	-249	-149	-40	2	10	143	67	-67	12	-38
40% Exceedance	145	169	-475	-113	-12	-6	21	142	49	-179	-108	68
50% Exceedance	-157	1,313	-522	-69	0	-2	4	149	-21	-51	-131	314
60% Exceedance	1,710	1,319	-101	-43	-3	-1	-3	51	3	41	685	1,793
70% Exceedance	1,620	979	-15	0	-4	-2	-2	11	39	42	726	1,646
80% Exceedance	1,555	781	-8	0	0	-2	-2	-2	-20	43	761	1,554
90% Exceedance	1,261	275	-31	0	0	-1	-1	0	-7	36	789	1,488
Full Simulation Period Average[a]	671	389	-161	-119	14	12	7	53	3	-38	232	644
Wet Water Years (28%)	1,493	982	-316	-15	-1	-1	1	29	-2	28	671	1,434
Above Normal Years (14%)	1,417	942	-140	-271	-21	-1	-1	60	-14	37	792	1,631
Below Normal Years (18%)	64	-107	-14	-133	-10	-4	11	133	30	-99	-218	-5
Dry Water Years (24%)	63	35	-29	-125	35	14	17	81	46	-35	-13	50
Critical Water Years (16%)	96	-109	-278	-142	66	57	6	-42	-70	-153	-152	18

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



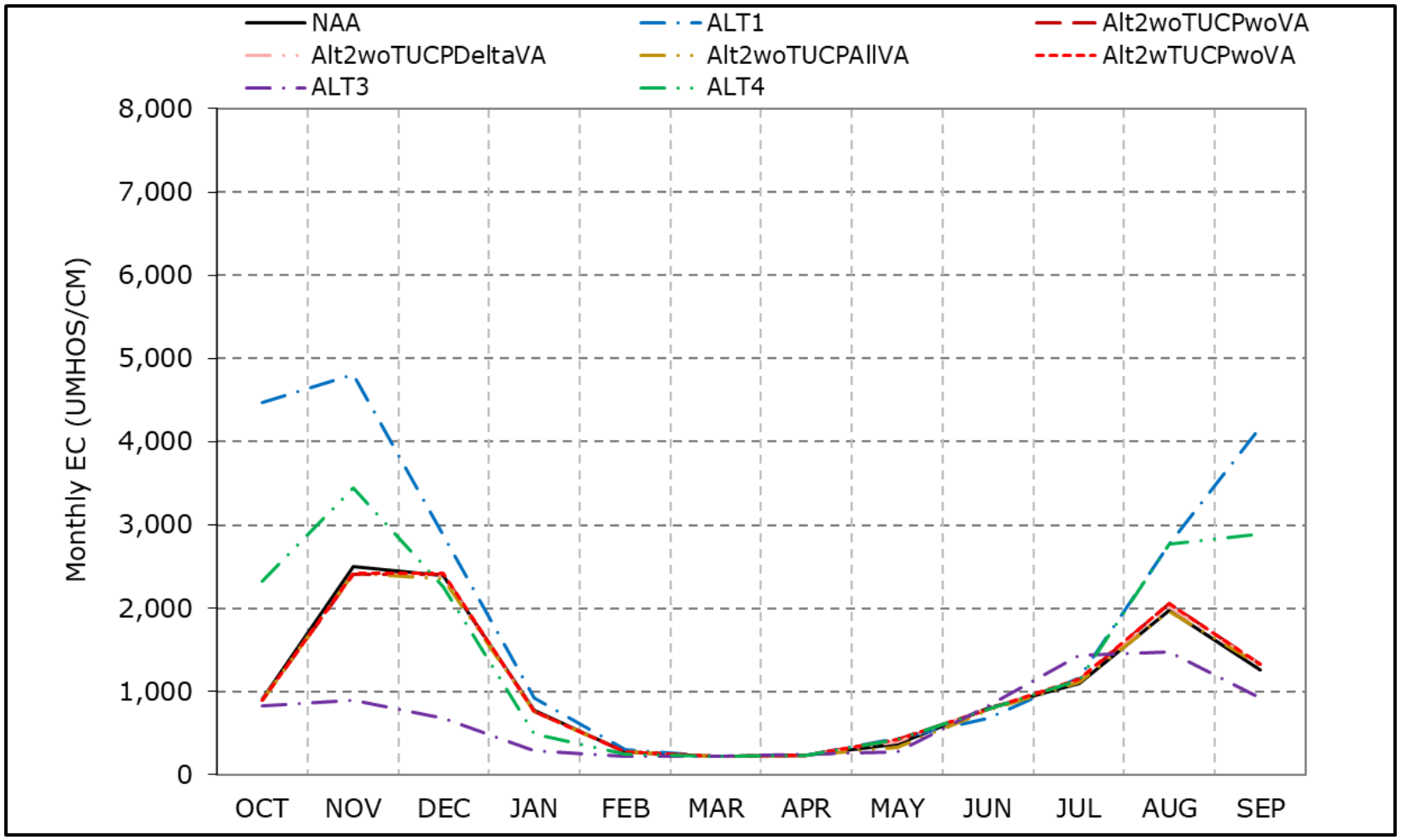
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-10-1. San Joaquin River at Antioch Salinity, Long-Term Average Electrical Conductivity



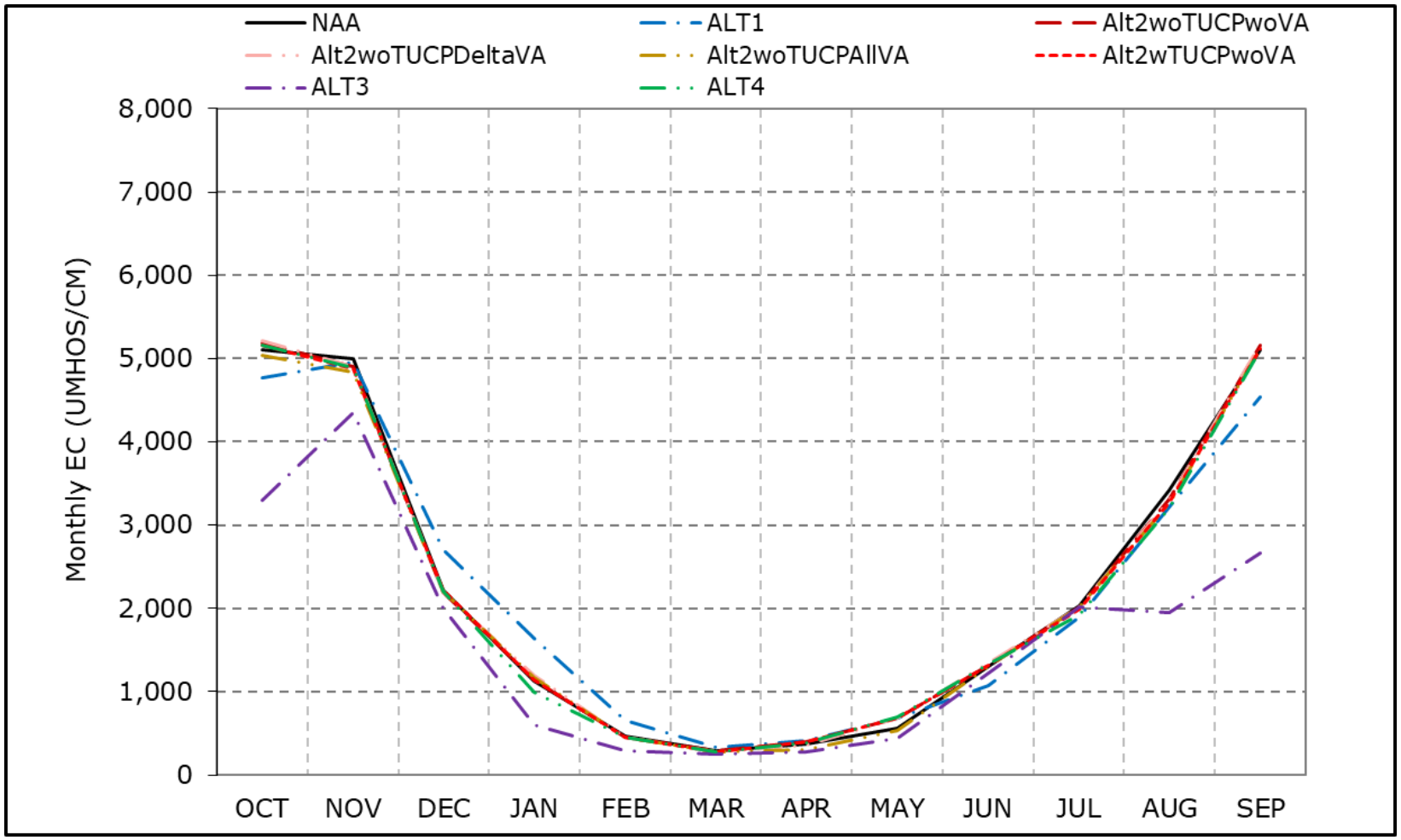
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-10-2. San Joaquin River at Antioch Salinity, Wet Year Average Electrical Conductivity



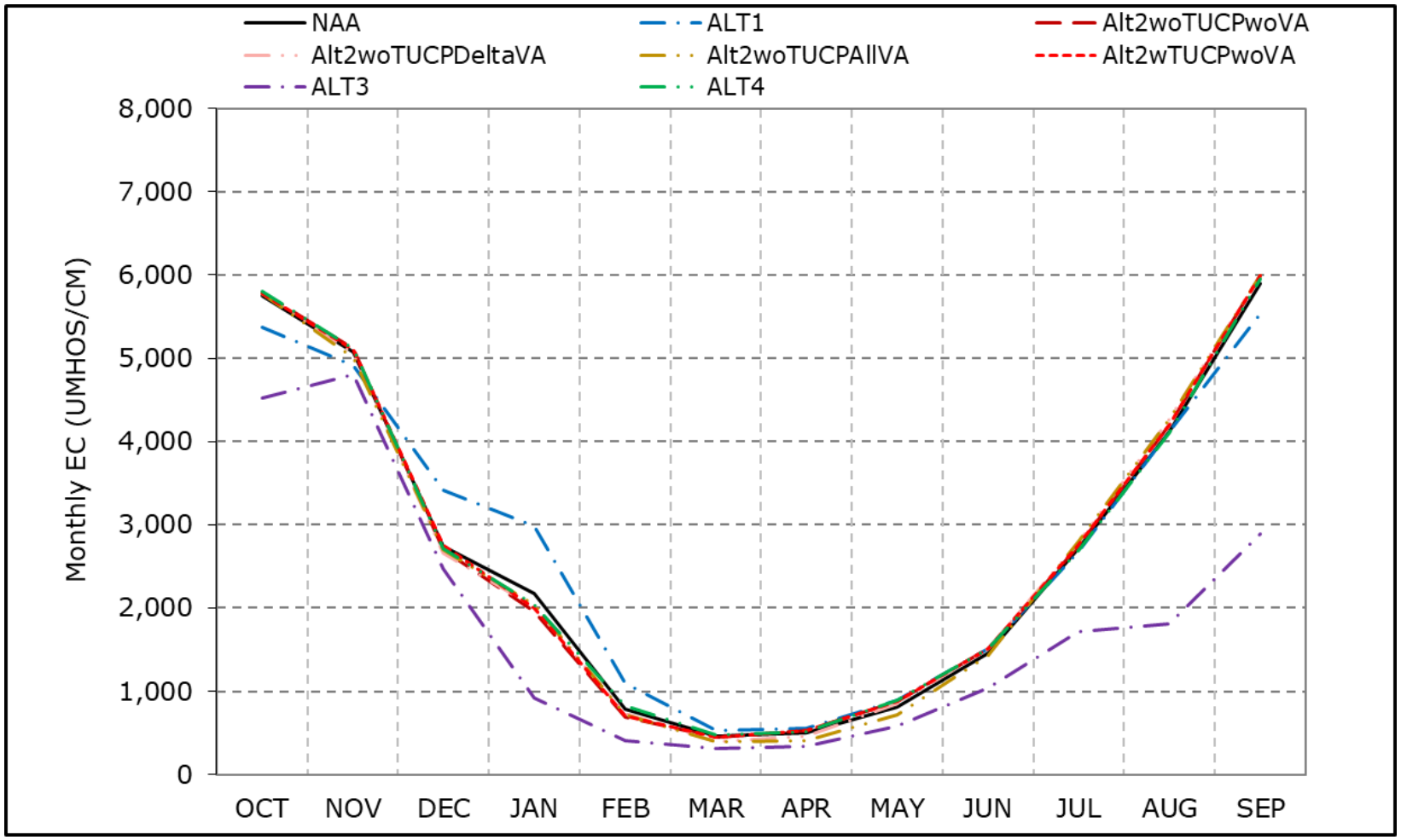
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-10-3. San Joaquin River at Antioch Salinity, Above Normal Year Average Electrical Conductivity



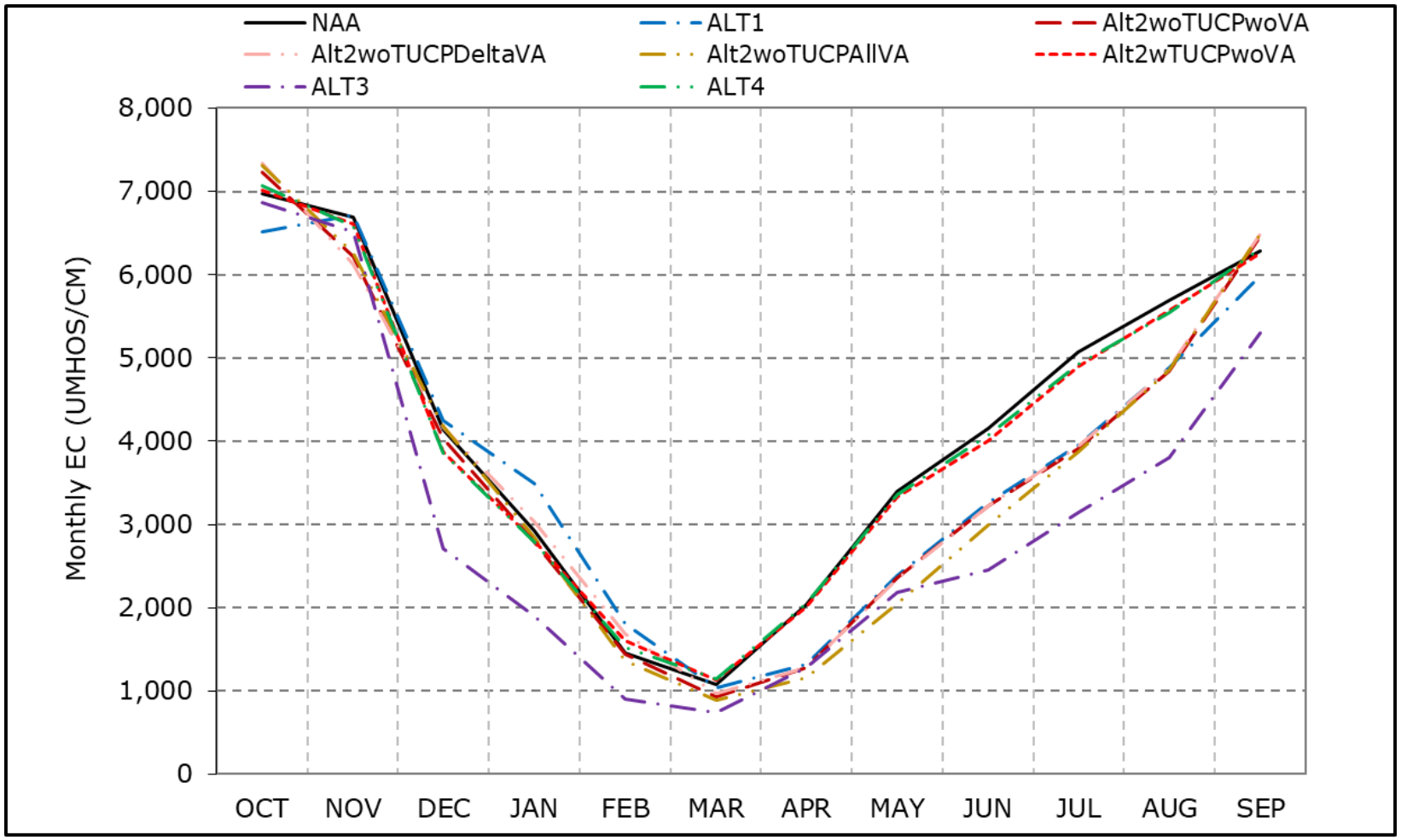
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-10-4. San Joaquin River at Antioch Salinity, Below Normal Year Average Electrical Conductivity



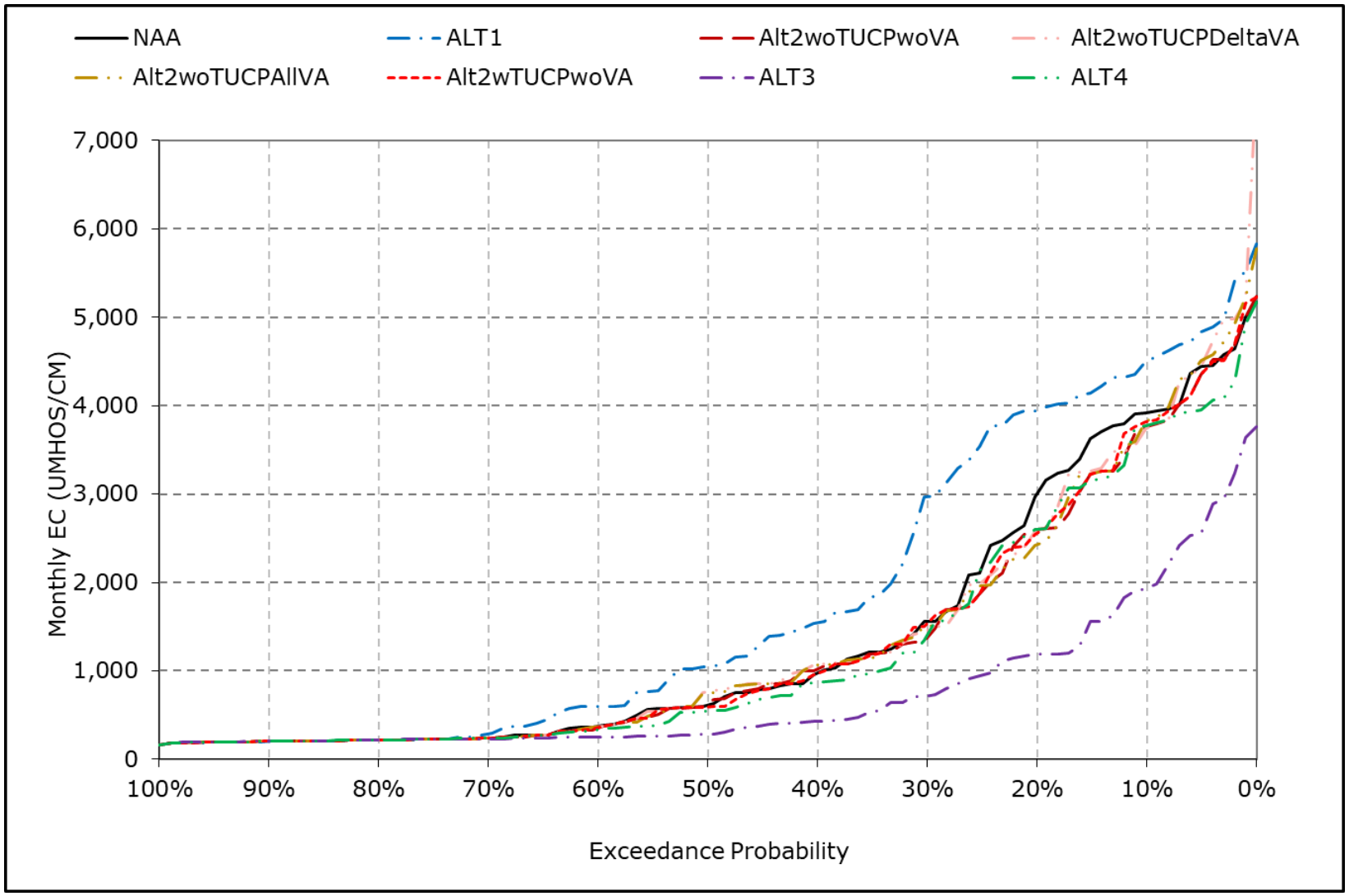
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-10-5. San Joaquin River at Antioch Salinity, Dry Year Average Electrical Conductivity



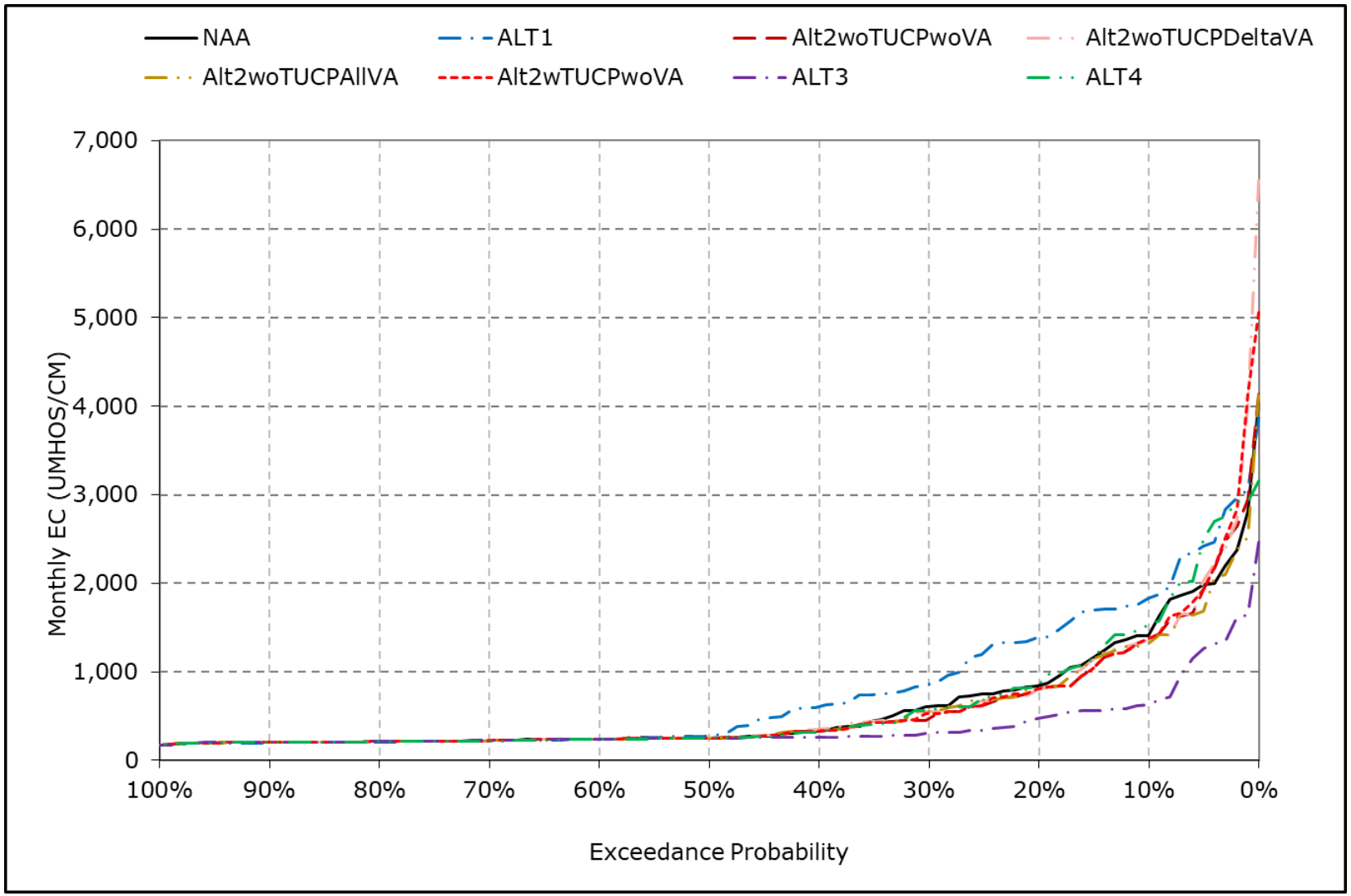
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-10-6. San Joaquin River at Antioch Salinity, Critical Year Average Electrical Conductivity



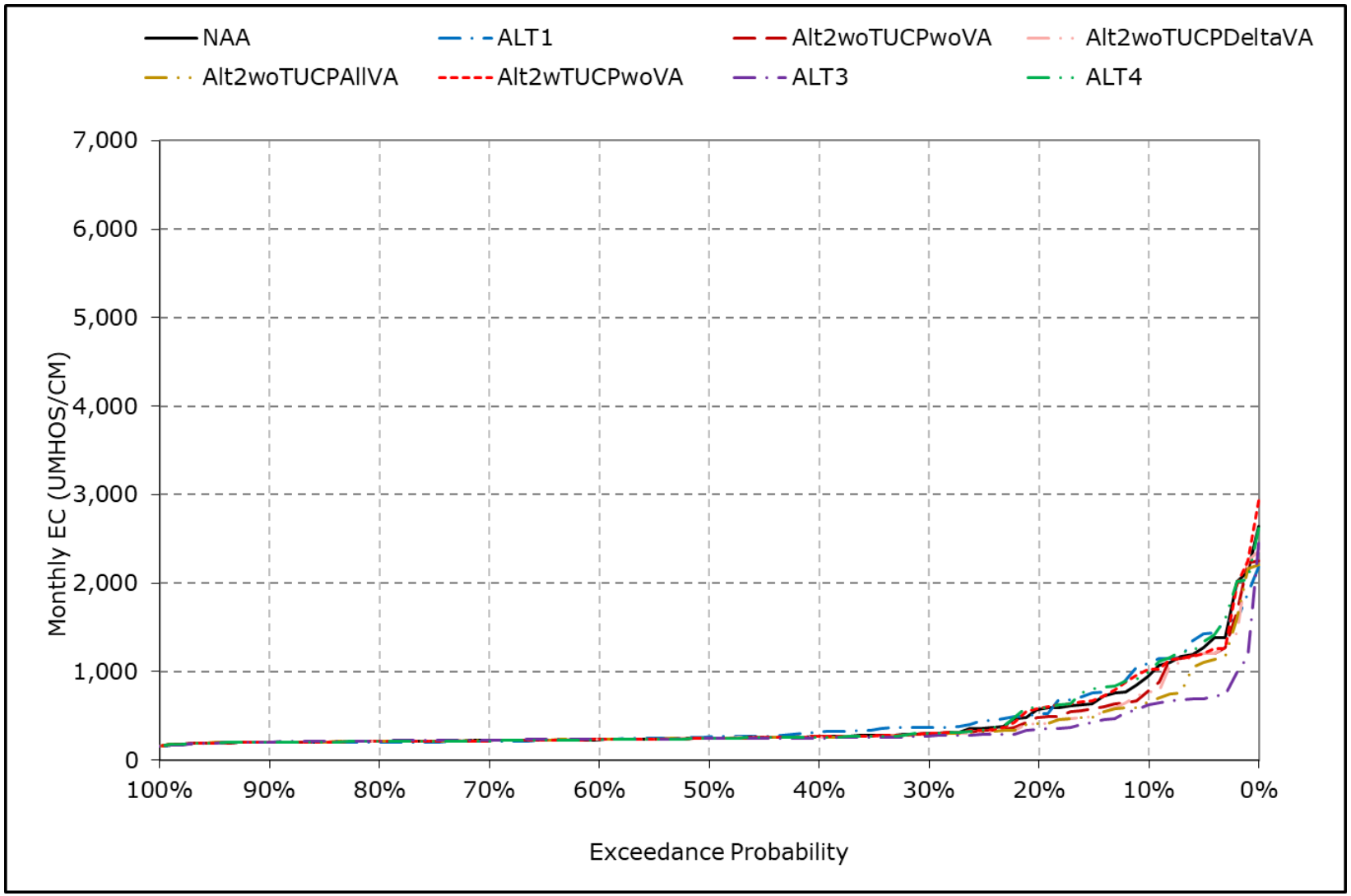
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-10-7. San Joaquin River at Antioch Salinity, January Electrical Conductivity



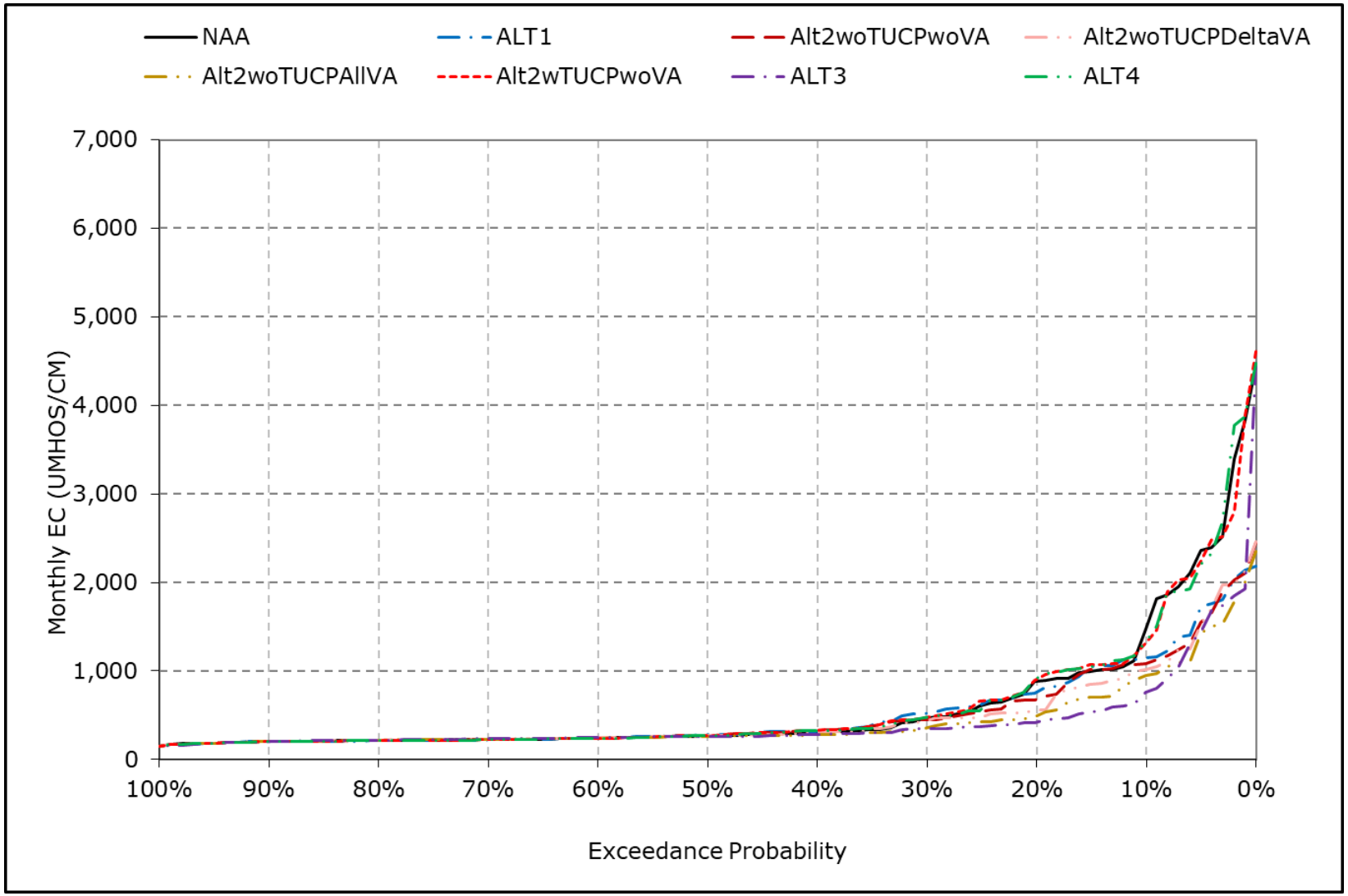
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-10-8. San Joaquin River at Antioch Salinity, February Electrical Conductivity



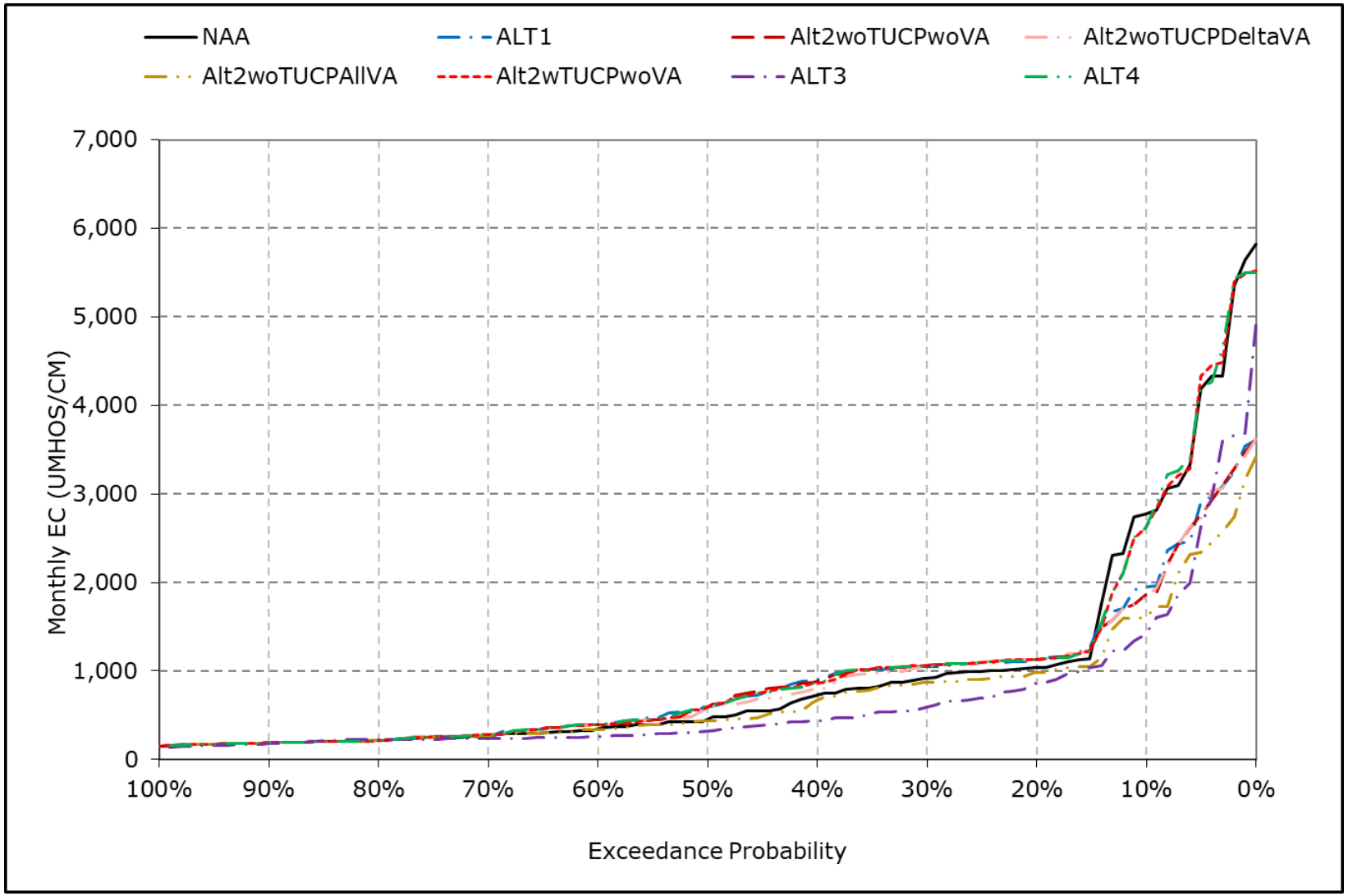
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-10-9. San Joaquin River at Antioch Salinity, March Electrical Conductivity



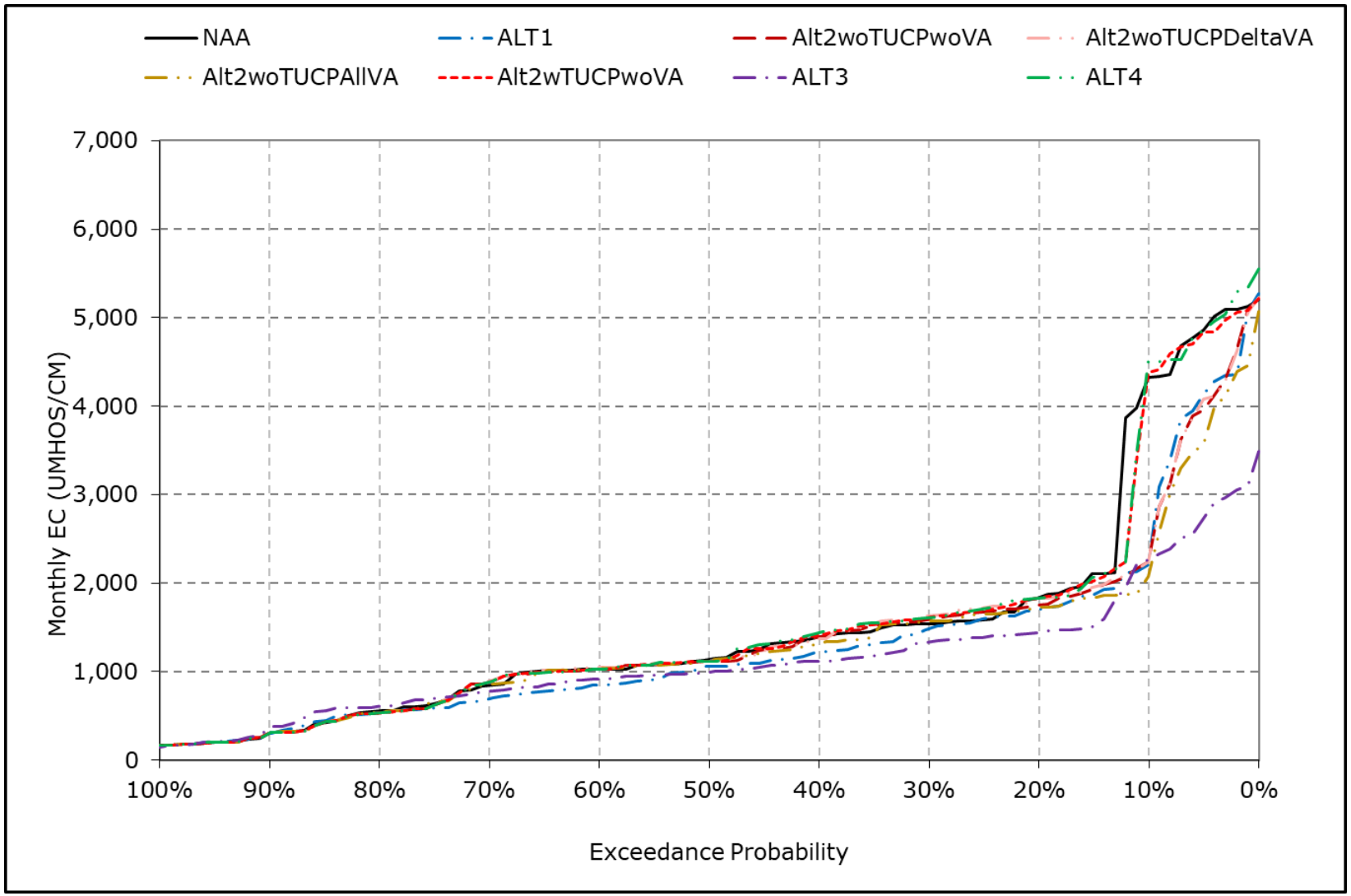
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-10-10. San Joaquin River at Antioch Salinity, April Electrical Conductivity



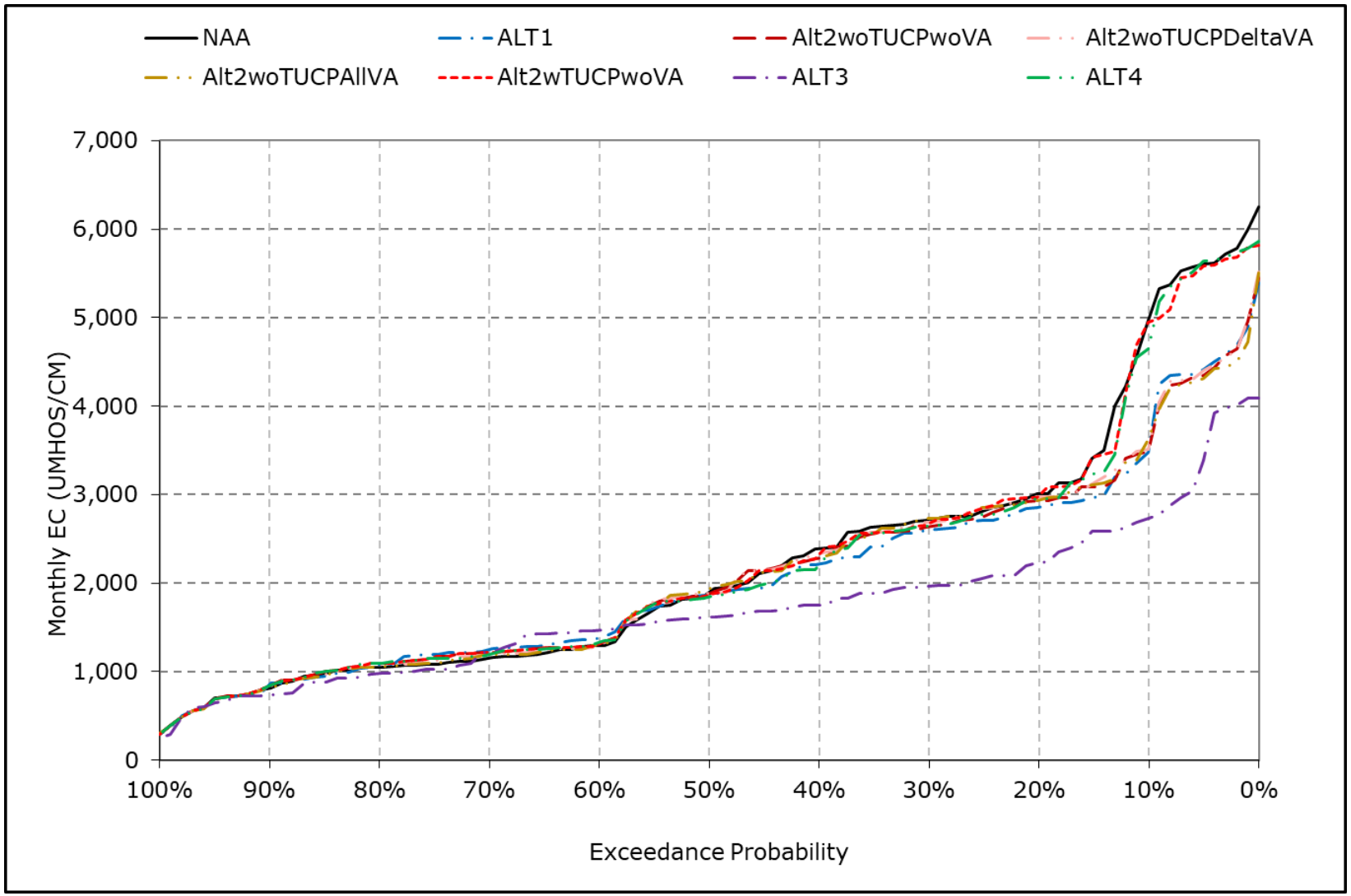
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-10-11. San Joaquin River at Antioch Salinity, May Electrical Conductivity



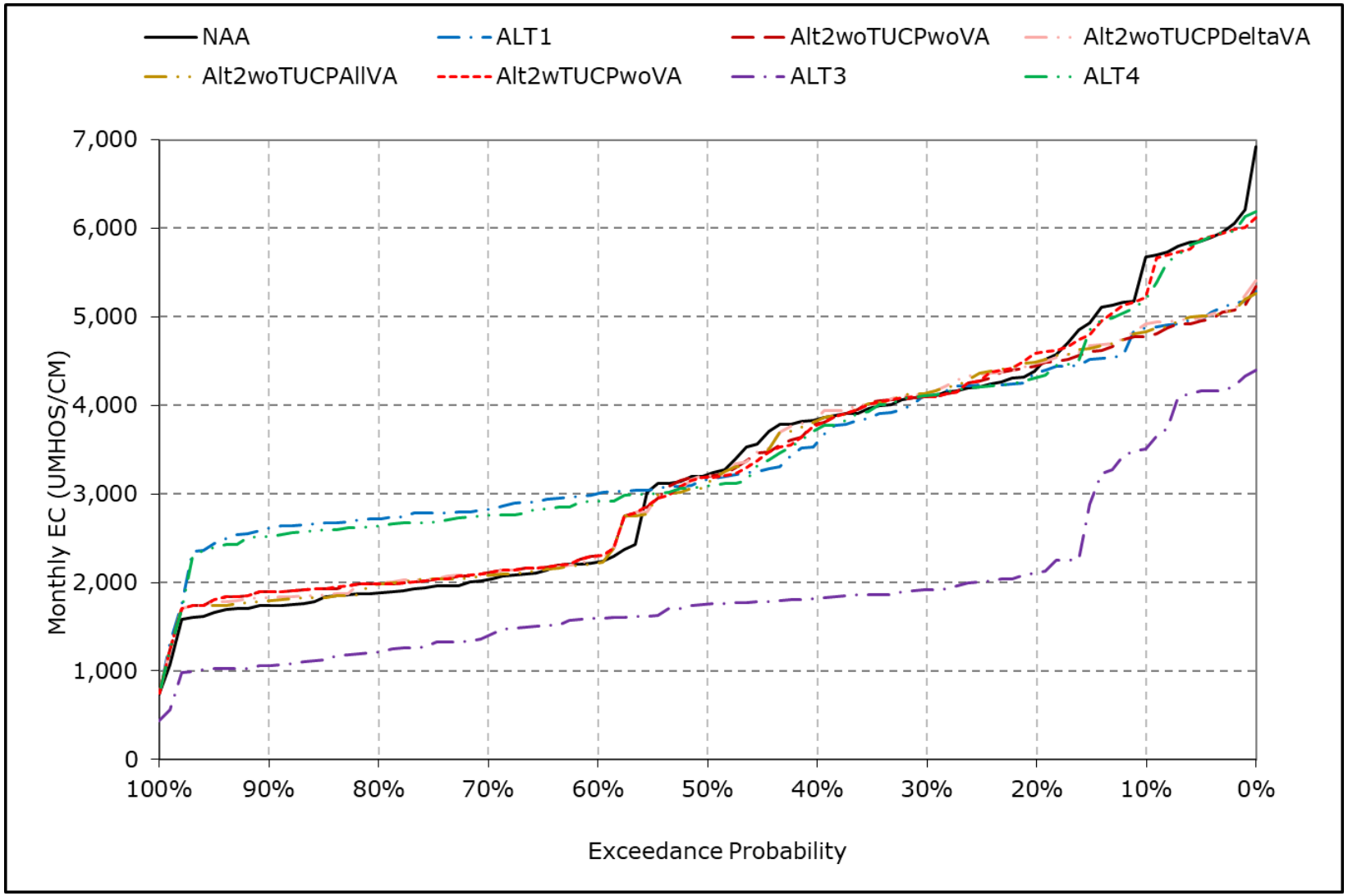
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-10-12. San Joaquin River at Antioch Salinity, June Electrical Conductivity



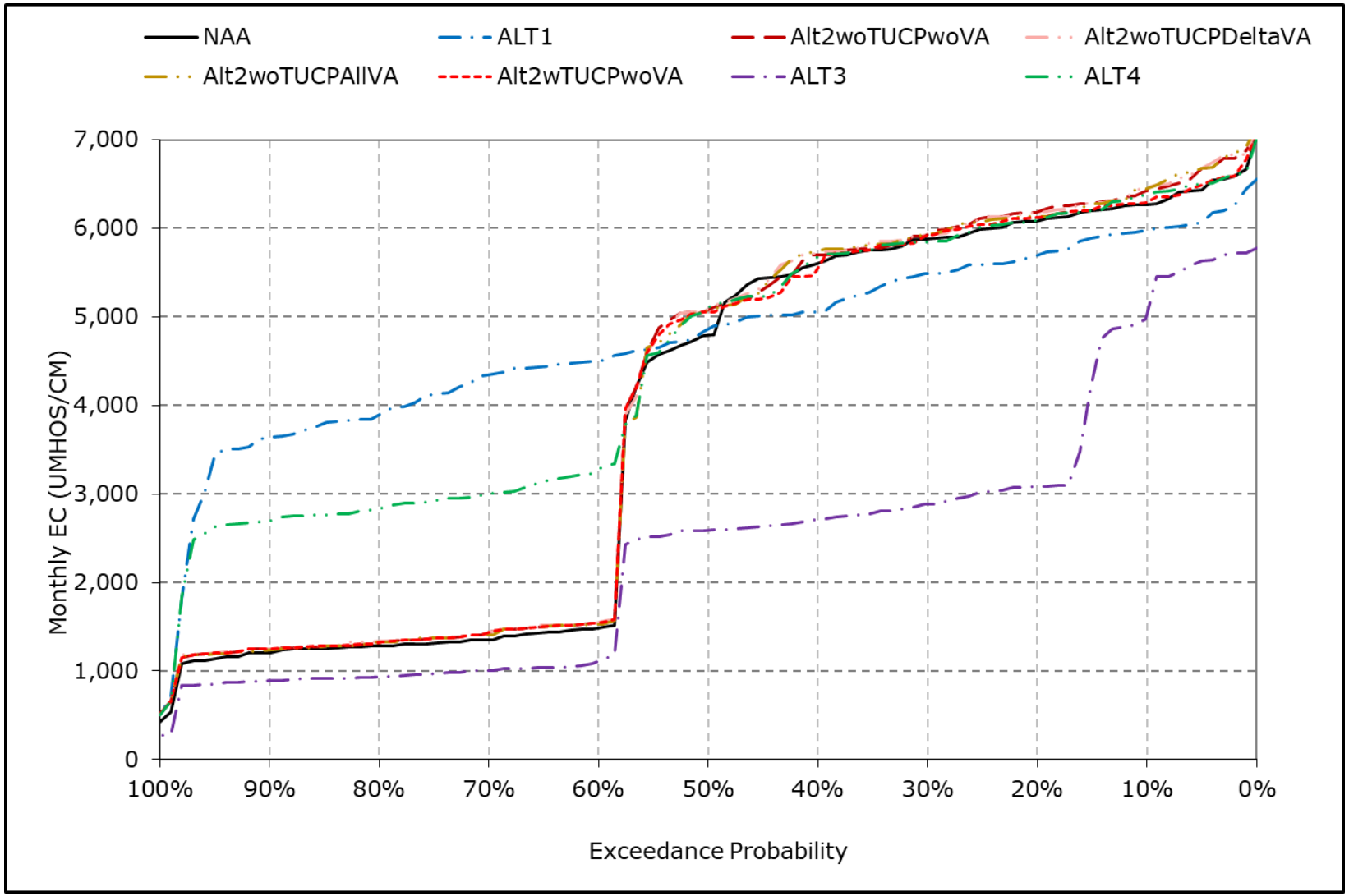
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-10-13. San Joaquin River at Antioch Salinity, July Electrical Conductivity



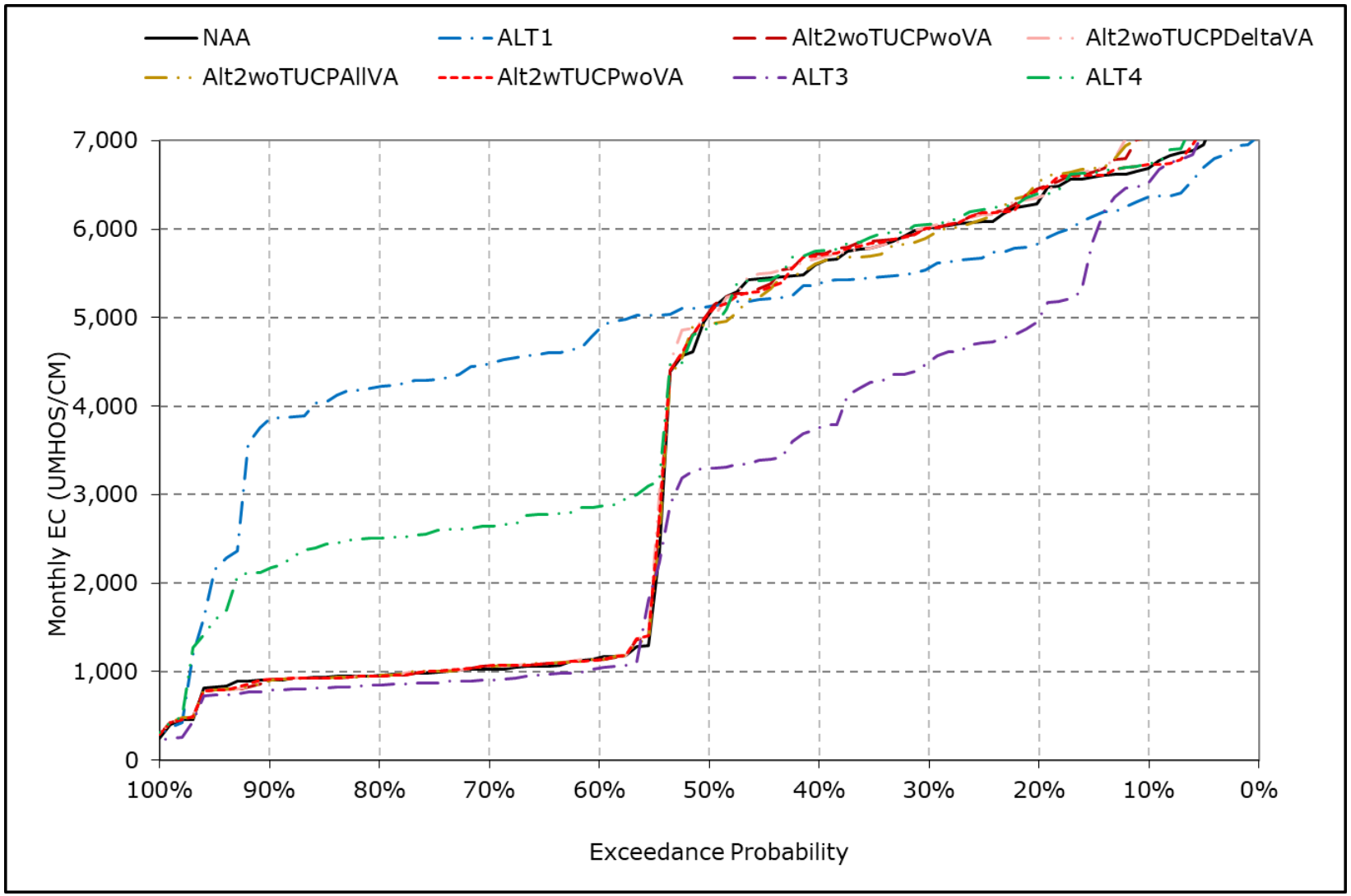
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-10-14. San Joaquin River at Antioch Salinity, August Electrical Conductivity



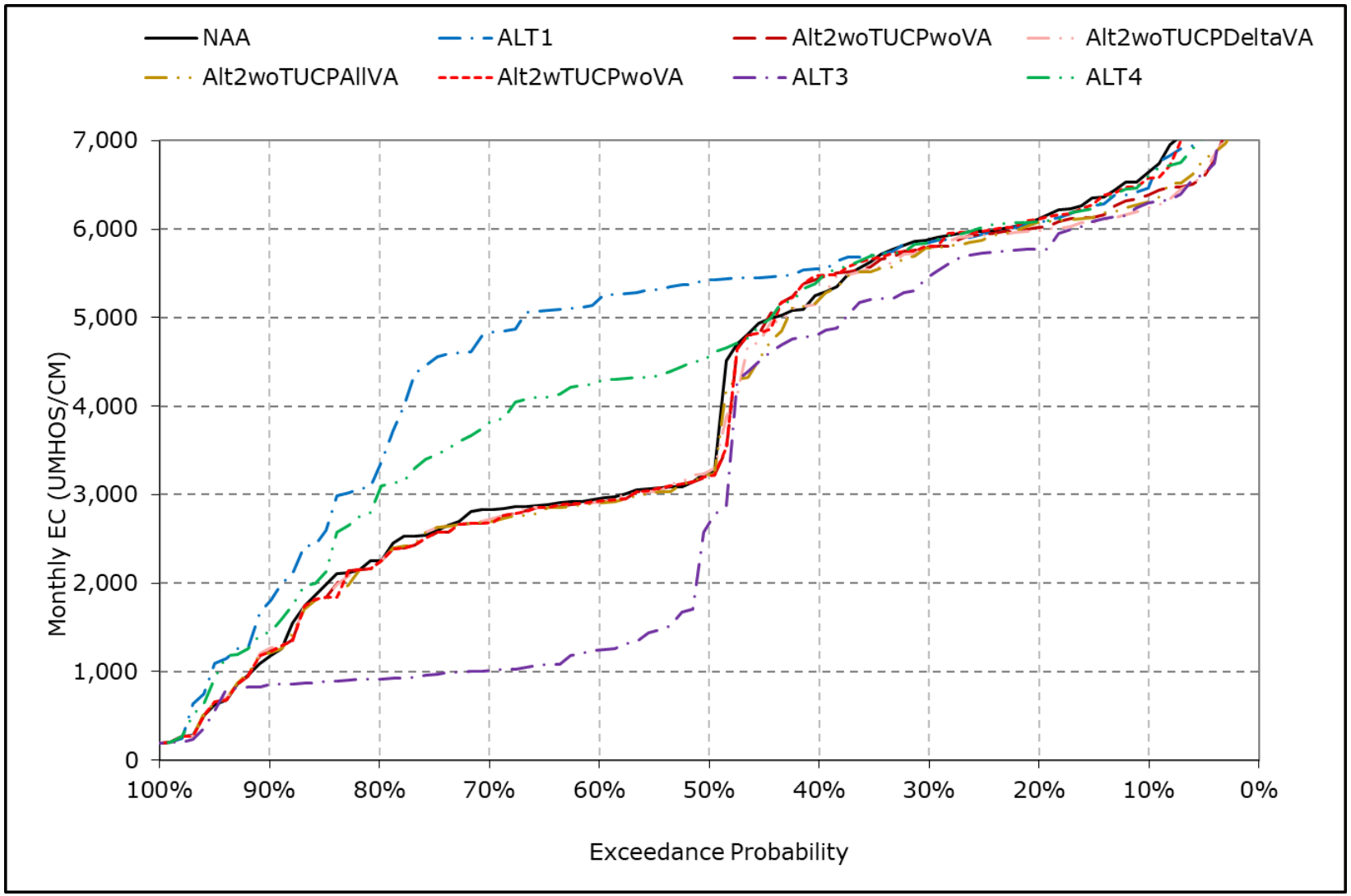
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-10-15. San Joaquin River at Antioch Salinity, September Electrical Conductivity



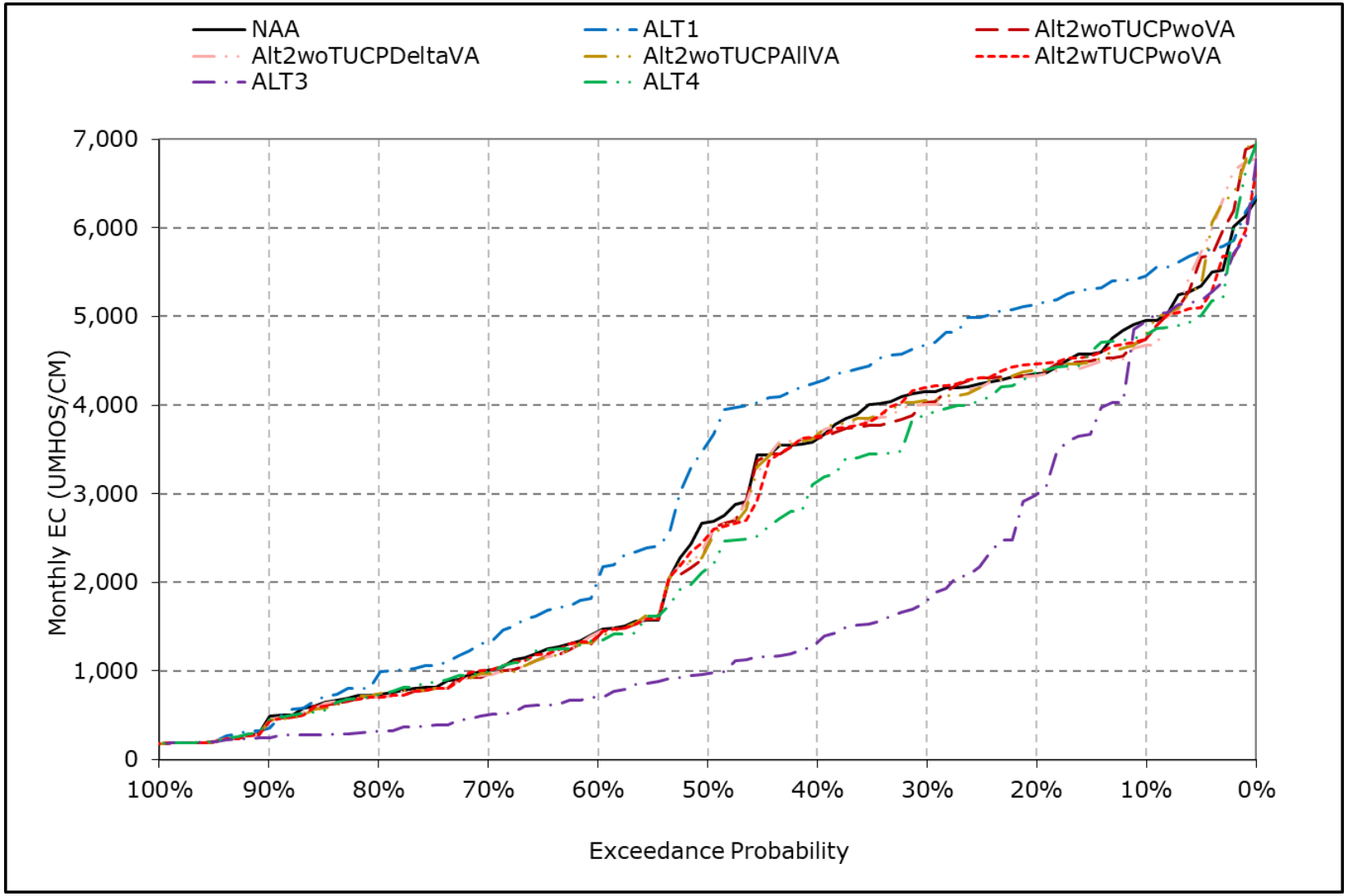
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-10-16. San Joaquin River at Antioch Salinity, October Electrical Conductivity



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-10-17. San Joaquin River at Antioch Salinity, November Electrical Conductivity



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-10-18. San Joaquin River at Antioch Salinity, December Electrical Conductivity

Table F.2.5-11-1a. Sacramento River at Mallard Slough Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,882	15,242	12,048	9,974	5,264	4,501	6,362	8,889	11,350	12,907	14,176	15,455
20% Exceedance	15,024	14,194	11,089	8,410	3,522	2,733	4,275	4,788	6,915	8,978	11,895	14,656
30% Exceedance	14,504	13,873	10,499	5,137	1,557	1,163	2,468	4,435	6,088	8,462	11,345	14,148
40% Exceedance	14,023	12,765	9,702	2,909	994	879	1,639	3,774	5,693	8,070	10,822	13,750
50% Exceedance	13,120	9,043	7,139	1,888	550	596	1,123	2,578	5,029	6,848	9,189	11,883
60% Exceedance	5,168	8,568	4,015	1,015	291	316	700	1,814	4,723	5,465	7,386	5,632
70% Exceedance	4,969	8,341	2,051	345	216	229	440	1,158	4,253	4,899	6,985	5,337
80% Exceedance	4,896	7,347	1,127	214	196	196	268	489	2,950	4,604	6,684	5,205
90% Exceedance	4,730	4,319	637	192	188	187	199	265	1,773	4,205	6,348	5,085
Full Simulation Period Average[a]	10,065	10,304	6,523	3,617	1,733	1,444	2,230	3,444	5,454	7,240	9,538	10,286
Wet Water Years (28%)	4,674	6,515	5,357	417	215	286	404	943	2,729	4,255	6,540	5,090
Above Normal Years (14%)	4,690	7,523	5,910	1,767	388	321	607	1,706	3,879	4,812	6,853	5,132
Below Normal Years (18%)	12,757	12,046	5,428	3,059	1,531	975	1,621	2,655	5,256	6,953	9,602	12,463
Dry Water Years (24%)	13,922	11,989	6,983	6,077	2,454	1,795	2,466	3,831	5,902	8,529	11,399	14,177
Critical Water Years (16%)	16,101	15,370	9,890	7,773	4,713	4,453	7,175	9,646	11,153	12,980	14,271	15,601

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-11-1b. Sacramento River at Mallard Slough Salinity, Alternative 1, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,048	14,804	12,721	11,005	5,974	4,977	5,137	6,950	7,951	10,262	13,011	14,399
20% Exceedance	13,915	13,814	12,291	10,130	4,376	2,762	4,001	4,953	6,476	8,722	11,573	13,805
30% Exceedance	13,585	13,370	11,450	8,190	2,730	1,507	2,954	4,750	6,048	8,281	11,232	13,427
40% Exceedance	13,361	13,083	10,389	4,435	1,228	1,179	1,805	4,337	5,202	7,435	10,350	12,818
50% Exceedance	12,693	12,684	9,199	2,983	802	883	1,350	3,178	4,752	6,535	9,223	12,088
60% Exceedance	12,117	12,359	5,552	1,639	414	416	781	2,234	4,061	5,444	8,631	11,330
70% Exceedance	11,519	11,525	2,394	437	225	239	476	1,244	3,596	5,108	8,457	11,100
80% Exceedance	10,919	9,151	1,339	222	199	197	280	581	2,905	4,874	8,280	10,232
90% Exceedance	10,332	5,776	587	190	186	187	203	296	1,811	4,126	8,105	9,737
Full Simulation Period Average[a]	12,173	11,433	7,319	4,504	2,063	1,562	2,095	3,386	5,015	6,909	9,869	11,936
Wet Water Years (28%)	10,243	9,355	6,105	652	238	318	485	1,097	2,470	4,409	7,987	9,934
Above Normal Years (14%)	11,377	11,309	6,780	2,121	505	437	757	2,025	3,471	4,897	8,271	10,762
Below Normal Years (18%)	12,116	11,807	6,180	4,181	1,923	1,220	1,861	3,159	4,667	6,575	9,336	11,588
Dry Water Years (24%)	13,102	11,468	8,095	7,713	3,018	2,104	2,708	4,107	6,016	8,386	11,255	13,462
Critical Water Years (16%)	15,155	14,932	10,248	8,880	5,345	4,295	5,428	7,757	9,713	11,203	13,080	14,566

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-11-1c. Sacramento River at Mallard Slough Salinity, Alternative 1 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-834	-438	673	1,030	709	477	-1,225	-1,939	-3,399	-2,645	-1,165	-1,056
20% Exceedance	-1,109	-380	1,203	1,720	854	29	-275	164	-438	-256	-322	-852
30% Exceedance	-919	-502	950	3,052	1,174	344	486	315	-40	-181	-113	-722
40% Exceedance	-662	318	688	1,526	234	301	167	564	-491	-634	-472	-933
50% Exceedance	-427	3,642	2,059	1,095	251	287	227	600	-277	-313	35	206
60% Exceedance	6,949	3,791	1,538	623	123	100	82	420	-662	-21	1,245	5,698
70% Exceedance	6,550	3,184	344	92	9	10	37	86	-657	209	1,472	5,763
80% Exceedance	6,023	1,803	212	8	2	0	12	92	-46	270	1,595	5,027
90% Exceedance	5,601	1,458	-51	-2	-2	0	4	31	38	-79	1,757	4,651
Full Simulation Period Average[a]	2,108	1,129	796	887	330	118	-135	-58	-439	-331	331	1,650
Wet Water Years (28%)	5,569	2,840	748	235	23	31	81	154	-260	155	1,447	4,844
Above Normal Years (14%)	6,686	3,785	870	354	117	116	150	319	-408	85	1,418	5,631
Below Normal Years (18%)	-641	-238	752	1,121	392	245	240	505	-589	-378	-266	-875
Dry Water Years (24%)	-820	-521	1,112	1,636	564	309	242	276	114	-143	-144	-714
Critical Water Years (16%)	-946	-438	359	1,107	633	-158	-1,747	-1,889	-1,440	-1,776	-1,191	-1,036

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-11-2a. Sacramento River at Mallard Slough Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,882	15,242	12,048	9,974	5,264	4,501	6,362	8,889	11,350	12,907	14,176	15,455
20% Exceedance	15,024	14,194	11,089	8,410	3,522	2,733	4,275	4,788	6,915	8,978	11,895	14,656
30% Exceedance	14,504	13,873	10,499	5,137	1,557	1,163	2,468	4,435	6,088	8,462	11,345	14,148
40% Exceedance	14,023	12,765	9,702	2,909	994	879	1,639	3,774	5,693	8,070	10,822	13,750
50% Exceedance	13,120	9,043	7,139	1,888	550	596	1,123	2,578	5,029	6,848	9,189	11,883
60% Exceedance	5,168	8,568	4,015	1,015	291	316	700	1,814	4,723	5,465	7,386	5,632
70% Exceedance	4,969	8,341	2,051	345	216	229	440	1,158	4,253	4,899	6,985	5,337
80% Exceedance	4,896	7,347	1,127	214	196	196	268	489	2,950	4,604	6,684	5,205
90% Exceedance	4,730	4,319	637	192	188	187	199	265	1,773	4,205	6,348	5,085
Full Simulation Period Average[a]	10,065	10,304	6,523	3,617	1,733	1,444	2,230	3,444	5,454	7,240	9,538	10,286
Wet Water Years (28%)	4,674	6,515	5,357	417	215	286	404	943	2,729	4,255	6,540	5,090
Above Normal Years (14%)	4,690	7,523	5,910	1,767	388	321	607	1,706	3,879	4,812	6,853	5,132
Below Normal Years (18%)	12,757	12,046	5,428	3,059	1,531	975	1,621	2,655	5,256	6,953	9,602	12,463
Dry Water Years (24%)	13,922	11,989	6,983	6,077	2,454	1,795	2,466	3,831	5,902	8,529	11,399	14,177
Critical Water Years (16%)	16,101	15,370	9,890	7,773	4,713	4,453	7,175	9,646	11,153	12,980	14,271	15,601

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-11-2b. Sacramento River at Mallard Slough Salinity, Alt2woTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	16,411	14,733	11,915	9,667	4,765	3,490	5,008	6,743	8,076	10,308	12,980	15,447
20% Exceedance	15,082	14,322	11,028	7,680	3,243	2,242	3,563	5,001	6,754	9,050	11,960	14,677
30% Exceedance	14,636	13,900	10,362	4,510	1,653	1,178	2,455	4,794	6,345	8,328	11,501	14,352
40% Exceedance	14,083	12,821	9,609	3,085	916	864	1,781	4,335	5,750	7,998	10,611	13,839
50% Exceedance	13,119	8,851	6,973	1,683	519	576	1,210	3,216	5,121	6,764	9,133	12,575
60% Exceedance	5,146	8,517	4,149	928	296	317	778	2,117	4,757	5,433	7,507	5,688
70% Exceedance	4,978	8,057	2,011	345	216	229	450	1,291	4,392	5,032	7,145	5,513
80% Exceedance	4,879	7,148	1,125	212	196	200	274	549	2,926	4,702	6,938	5,378
90% Exceedance	4,671	4,381	621	192	188	186	199	296	1,779	4,148	6,717	5,258
Full Simulation Period Average[a]	10,170	10,171	6,466	3,469	1,661	1,352	2,003	3,369	5,279	6,991	9,427	10,441
Wet Water Years (28%)	4,693	6,505	5,344	395	215	290	448	1,093	2,749	4,351	6,768	5,197
Above Normal Years (14%)	4,699	7,301	5,972	1,766	390	321	678	2,008	3,881	4,874	6,987	5,430
Below Normal Years (18%)	12,931	11,837	5,349	3,096	1,511	964	1,765	3,134	5,371	6,885	9,470	12,688
Dry Water Years (24%)	14,004	12,041	6,901	5,629	2,229	1,773	2,566	4,080	6,057	8,585	11,493	14,355
Critical Water Years (16%)	16,414	14,894	9,701	7,518	4,617	3,920	5,305	7,740	9,661	11,189	13,066	15,603

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-11-2c. Sacramento River at Mallard Slough Salinity, Alt2woTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	529	-509	-133	-308	-499	-1,011	-1,354	-2,145	-3,274	-2,599	-1,197	-8
20% Exceedance	58	128	-61	-730	-279	-491	-713	213	-161	72	65	20
30% Exceedance	132	28	-138	-628	96	15	-13	359	257	-134	156	204
40% Exceedance	60	55	-92	176	-77	-15	143	561	57	-72	-212	89
50% Exceedance	-2	-191	-166	-205	-31	-20	87	638	92	-84	-56	693
60% Exceedance	-22	-51	134	-87	4	1	78	302	34	-32	121	56
70% Exceedance	8	-283	-40	0	0	0	10	133	139	133	160	176
80% Exceedance	-17	-199	-3	-2	0	3	6	60	-24	98	254	173
90% Exceedance	-59	63	-16	0	0	0	0	32	6	-57	369	172
Full Simulation Period Average[a]	105	-133	-57	-148	-73	-92	-227	-75	-175	-250	-111	155
Wet Water Years (28%)	19	-10	-13	-22	0	4	44	150	20	96	228	107
Above Normal Years (14%)	9	-222	61	-1	2	0	70	303	2	62	134	298
Below Normal Years (18%)	174	-208	-79	36	-20	-11	144	479	114	-68	-132	225
Dry Water Years (24%)	82	52	-82	-448	-225	-22	99	249	155	56	95	178
Critical Water Years (16%)	313	-476	-189	-255	-95	-533	-1,870	-1,906	-1,492	-1,791	-1,205	2

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-11-3a. Sacramento River at Mallard Slough Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,882	15,242	12,048	9,974	5,264	4,501	6,362	8,889	11,350	12,907	14,176	15,455
20% Exceedance	15,024	14,194	11,089	8,410	3,522	2,733	4,275	4,788	6,915	8,978	11,895	14,656
30% Exceedance	14,504	13,873	10,499	5,137	1,557	1,163	2,468	4,435	6,088	8,462	11,345	14,148
40% Exceedance	14,023	12,765	9,702	2,909	994	879	1,639	3,774	5,693	8,070	10,822	13,750
50% Exceedance	13,120	9,043	7,139	1,888	550	596	1,123	2,578	5,029	6,848	9,189	11,883
60% Exceedance	5,168	8,568	4,015	1,015	291	316	700	1,814	4,723	5,465	7,386	5,632
70% Exceedance	4,969	8,341	2,051	345	216	229	440	1,158	4,253	4,899	6,985	5,337
80% Exceedance	4,896	7,347	1,127	214	196	196	268	489	2,950	4,604	6,684	5,205
90% Exceedance	4,730	4,319	637	192	188	187	199	265	1,773	4,205	6,348	5,085
Full Simulation Period Average[a]	10,065	10,304	6,523	3,617	1,733	1,444	2,230	3,444	5,454	7,240	9,538	10,286
Wet Water Years (28%)	4,674	6,515	5,357	417	215	286	404	943	2,729	4,255	6,540	5,090
Above Normal Years (14%)	4,690	7,523	5,910	1,767	388	321	607	1,706	3,879	4,812	6,853	5,132
Below Normal Years (18%)	12,757	12,046	5,428	3,059	1,531	975	1,621	2,655	5,256	6,953	9,602	12,463
Dry Water Years (24%)	13,922	11,989	6,983	6,077	2,454	1,795	2,466	3,831	5,902	8,529	11,399	14,177
Critical Water Years (16%)	16,101	15,370	9,890	7,773	4,713	4,453	7,175	9,646	11,153	12,980	14,271	15,601

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-11-3b. Sacramento River at Mallard Slough Salinity, Alt2woTUCPDeltaVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	16,456	14,747	11,709	9,746	5,226	3,495	4,717	6,755	8,081	10,244	13,007	15,445
20% Exceedance	15,023	14,298	10,998	7,331	3,202	2,149	3,054	4,977	6,985	9,059	11,997	14,693
30% Exceedance	14,546	13,843	10,357	4,580	1,673	1,094	2,316	4,723	6,382	8,346	11,455	14,309
40% Exceedance	13,912	12,713	9,613	3,113	958	793	1,521	3,897	5,703	8,073	10,579	13,859
50% Exceedance	13,165	8,894	7,053	2,119	519	587	1,094	3,035	5,110	6,780	9,169	12,581
60% Exceedance	5,197	8,515	4,163	953	296	313	707	2,088	4,795	5,420	7,505	5,662
70% Exceedance	4,979	8,058	2,010	345	217	228	419	1,291	4,420	4,983	7,138	5,496
80% Exceedance	4,875	7,144	1,154	212	196	199	274	538	2,920	4,619	6,900	5,342
90% Exceedance	4,680	4,378	622	192	188	186	198	297	1,786	4,189	6,558	5,231
Full Simulation Period Average[a]	10,184	10,142	6,473	3,575	1,755	1,287	1,870	3,303	5,303	6,970	9,395	10,433
Wet Water Years (28%)	4,698	6,503	5,362	420	215	287	430	1,086	2,773	4,315	6,749	5,194
Above Normal Years (14%)	4,700	7,299	5,899	1,776	391	317	535	1,817	3,926	4,809	6,909	5,401
Below Normal Years (18%)	12,953	11,840	5,349	3,179	1,506	812	1,513	3,087	5,419	6,892	9,400	12,683
Dry Water Years (24%)	13,984	11,984	6,841	5,745	2,321	1,567	2,321	3,958	6,064	8,592	11,483	14,340
Critical Water Years (16%)	16,508	14,792	9,880	7,859	5,076	3,997	5,285	7,741	9,660	11,161	13,064	15,612

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-11-3c. Sacramento River at Mallard Slough Salinity, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	573	-495	-339	-228	-38	-1,005	-1,645	-2,134	-3,269	-2,663	-1,170	-10
20% Exceedance	-1	105	-91	-1,079	-320	-583	-1,221	188	70	81	102	37
30% Exceedance	42	-30	-143	-557	117	-69	-152	288	294	-116	109	161
40% Exceedance	-112	-52	-88	204	-35	-85	-118	123	10	3	-244	109
50% Exceedance	45	-149	-87	231	-31	-9	-29	456	81	-68	-19	698
60% Exceedance	29	-53	148	-62	5	-3	8	274	72	-44	119	30
70% Exceedance	9	-283	-41	0	1	-1	-20	133	167	84	153	159
80% Exceedance	-21	-203	26	-2	0	3	6	49	-30	15	215	137
90% Exceedance	-51	59	-16	0	0	0	-1	32	13	-16	210	145
Full Simulation Period Average[a]	119	-162	-50	-42	22	-158	-360	-141	-152	-271	-143	147
Wet Water Years (28%)	24	-12	4	3	0	0	25	143	44	60	208	104
Above Normal Years (14%)	10	-224	-11	9	3	-4	-72	111	46	-4	56	269
Below Normal Years (18%)	196	-205	-79	119	-25	-163	-109	433	163	-61	-202	220
Dry Water Years (24%)	62	-5	-143	-332	-134	-228	-146	127	162	63	84	163
Critical Water Years (16%)	406	-578	-10	86	363	-456	-1,889	-1,905	-1,493	-1,819	-1,207	10

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-11-4a. Sacramento River at Mallard Slough Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,882	15,242	12,048	9,974	5,264	4,501	6,362	8,889	11,350	12,907	14,176	15,455
20% Exceedance	15,024	14,194	11,089	8,410	3,522	2,733	4,275	4,788	6,915	8,978	11,895	14,656
30% Exceedance	14,504	13,873	10,499	5,137	1,557	1,163	2,468	4,435	6,088	8,462	11,345	14,148
40% Exceedance	14,023	12,765	9,702	2,909	994	879	1,639	3,774	5,693	8,070	10,822	13,750
50% Exceedance	13,120	9,043	7,139	1,888	550	596	1,123	2,578	5,029	6,848	9,189	11,883
60% Exceedance	5,168	8,568	4,015	1,015	291	316	700	1,814	4,723	5,465	7,386	5,632
70% Exceedance	4,969	8,341	2,051	345	216	229	440	1,158	4,253	4,899	6,985	5,337
80% Exceedance	4,896	7,347	1,127	214	196	196	268	489	2,950	4,604	6,684	5,205
90% Exceedance	4,730	4,319	637	192	188	187	199	265	1,773	4,205	6,348	5,085
Full Simulation Period Average[a]	10,065	10,304	6,523	3,617	1,733	1,444	2,230	3,444	5,454	7,240	9,538	10,286
Wet Water Years (28%)	4,674	6,515	5,357	417	215	286	404	943	2,729	4,255	6,540	5,090
Above Normal Years (14%)	4,690	7,523	5,910	1,767	388	321	607	1,706	3,879	4,812	6,853	5,132
Below Normal Years (18%)	12,757	12,046	5,428	3,059	1,531	975	1,621	2,655	5,256	6,953	9,602	12,463
Dry Water Years (24%)	13,922	11,989	6,983	6,077	2,454	1,795	2,466	3,831	5,902	8,529	11,399	14,177
Critical Water Years (16%)	16,101	15,370	9,890	7,773	4,713	4,453	7,175	9,646	11,153	12,980	14,271	15,601

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-11-4b. Sacramento River at Mallard Slough Salinity, Alt2woTUCPAllVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	16,457	14,758	11,771	9,786	5,231	3,264	4,407	6,319	7,437	10,376	12,869	15,479
20% Exceedance	15,152	14,360	11,094	7,131	3,230	1,988	2,814	4,525	6,691	9,022	11,972	14,668
30% Exceedance	14,473	13,874	10,455	5,085	1,634	1,078	1,935	4,171	6,228	8,481	11,471	14,317
40% Exceedance	13,820	12,535	9,599	3,006	984	779	1,230	3,389	5,523	8,072	10,527	13,885
50% Exceedance	12,612	8,876	6,922	2,023	518	586	876	2,382	5,128	6,842	9,033	12,524
60% Exceedance	5,195	8,460	4,161	902	295	311	595	1,699	4,769	5,326	7,507	5,663
70% Exceedance	4,978	8,023	2,002	341	216	229	393	1,197	4,230	4,924	7,085	5,492
80% Exceedance	4,879	7,149	1,178	213	197	199	263	490	2,946	4,590	6,840	5,344
90% Exceedance	4,672	4,364	595	192	188	186	197	296	1,870	4,163	6,465	5,224
Full Simulation Period Average[a]	10,130	10,122	6,488	3,528	1,653	1,242	1,664	2,923	5,144	6,947	9,351	10,413
Wet Water Years (28%)	4,691	6,508	5,365	412	215	288	424	1,058	2,770	4,304	6,720	5,188
Above Normal Years (14%)	4,712	7,303	5,867	1,750	390	317	474	1,499	3,820	4,761	6,801	5,406
Below Normal Years (18%)	12,669	11,709	5,346	3,128	1,504	806	1,155	2,495	5,270	6,877	9,320	12,589
Dry Water Years (24%)	13,990	11,884	6,886	5,818	2,310	1,534	1,970	3,441	5,853	8,625	11,491	14,339
Critical Water Years (16%)	16,477	14,964	9,936	7,551	4,458	3,774	4,991	7,136	9,252	11,049	13,012	15,596

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-11-4c. Sacramento River at Mallard Slough Salinity, Alt2woTUCPAllVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	575	-485	-277	-188	-34	-1,237	-1,956	-2,570	-3,913	-2,531	-1,307	24
20% Exceedance	129	167	5	-1,280	-292	-744	-1,461	-264	-224	44	77	12
30% Exceedance	-31	2	-44	-52	77	-85	-533	-264	140	19	126	168
40% Exceedance	-204	-230	-102	97	-10	-99	-409	-385	-170	2	-295	135
50% Exceedance	-508	-166	-217	135	-32	-10	-247	-196	99	-6	-156	641
60% Exceedance	27	-108	147	-114	3	-4	-105	-115	46	-139	121	31
70% Exceedance	8	-317	-48	-4	1	0	-47	39	-24	25	100	155
80% Exceedance	-17	-199	50	-1	0	3	-5	1	-4	-14	155	139
90% Exceedance	-58	45	-42	0	0	0	-1	32	97	-42	117	139
Full Simulation Period Average[a]	65	-182	-35	-89	-80	-202	-566	-521	-310	-293	-187	127
Wet Water Years (28%)	17	-7	8	-5	0	2	20	115	41	49	180	98
Above Normal Years (14%)	22	-221	-43	-17	2	-4	-134	-207	-60	-52	-51	274
Below Normal Years (18%)	-87	-336	-82	69	-27	-170	-467	-159	14	-76	-281	126
Dry Water Years (24%)	68	-106	-97	-259	-144	-261	-497	-390	-49	96	92	163
Critical Water Years (16%)	375	-406	46	-222	-255	-680	-2,184	-2,510	-1,901	-1,931	-1,258	-5

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-11-5a. Sacramento River at Mallard Slough Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,882	15,242	12,048	9,974	5,264	4,501	6,362	8,889	11,350	12,907	14,176	15,455
20% Exceedance	15,024	14,194	11,089	8,410	3,522	2,733	4,275	4,788	6,915	8,978	11,895	14,656
30% Exceedance	14,504	13,873	10,499	5,137	1,557	1,163	2,468	4,435	6,088	8,462	11,345	14,148
40% Exceedance	14,023	12,765	9,702	2,909	994	879	1,639	3,774	5,693	8,070	10,822	13,750
50% Exceedance	13,120	9,043	7,139	1,888	550	596	1,123	2,578	5,029	6,848	9,189	11,883
60% Exceedance	5,168	8,568	4,015	1,015	291	316	700	1,814	4,723	5,465	7,386	5,632
70% Exceedance	4,969	8,341	2,051	345	216	229	440	1,158	4,253	4,899	6,985	5,337
80% Exceedance	4,896	7,347	1,127	214	196	196	268	489	2,950	4,604	6,684	5,205
90% Exceedance	4,730	4,319	637	192	188	187	199	265	1,773	4,205	6,348	5,085
Full Simulation Period Average[a]	10,065	10,304	6,523	3,617	1,733	1,444	2,230	3,444	5,454	7,240	9,538	10,286
Wet Water Years (28%)	4,674	6,515	5,357	417	215	286	404	943	2,729	4,255	6,540	5,090
Above Normal Years (14%)	4,690	7,523	5,910	1,767	388	321	607	1,706	3,879	4,812	6,853	5,132
Below Normal Years (18%)	12,757	12,046	5,428	3,059	1,531	975	1,621	2,655	5,256	6,953	9,602	12,463
Dry Water Years (24%)	13,922	11,989	6,983	6,077	2,454	1,795	2,466	3,831	5,902	8,529	11,399	14,177
Critical Water Years (16%)	16,101	15,370	9,890	7,773	4,713	4,453	7,175	9,646	11,153	12,980	14,271	15,601

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-11-5b. Sacramento River at Mallard Slough Salinity, Alt2wTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,864	15,165	11,909	9,705	4,766	4,550	5,600	8,507	11,689	12,965	14,186	15,458
20% Exceedance	15,074	14,375	11,035	7,469	3,284	2,796	4,331	5,001	6,852	9,270	11,960	14,676
30% Exceedance	14,535	13,901	10,454	5,319	1,425	1,178	2,565	4,794	6,371	8,360	11,502	14,353
40% Exceedance	14,142	12,838	9,580	2,988	949	840	1,781	4,204	5,859	7,948	10,612	13,718
50% Exceedance	13,019	8,851	7,060	1,673	540	576	1,209	3,216	5,121	6,599	9,110	12,521
60% Exceedance	5,143	8,518	4,145	943	296	316	777	2,116	4,759	5,433	7,507	5,686
70% Exceedance	4,977	8,057	2,010	344	216	229	449	1,290	4,392	5,032	7,145	5,513
80% Exceedance	4,878	7,145	1,105	212	196	198	273	549	2,926	4,701	6,950	5,378
90% Exceedance	4,670	4,381	621	192	188	186	199	296	1,766	4,148	6,715	5,257
Full Simulation Period Average[a]	10,118	10,216	6,456	3,491	1,707	1,453	2,286	3,655	5,484	7,227	9,581	10,421
Wet Water Years (28%)	4,693	6,507	5,340	393	215	290	448	1,093	2,749	4,352	6,769	5,196
Above Normal Years (14%)	4,698	7,308	5,975	1,758	388	320	677	2,007	3,880	4,875	6,986	5,429
Below Normal Years (18%)	12,905	11,790	5,380	3,120	1,493	956	1,765	3,133	5,374	6,806	9,359	12,601
Dry Water Years (24%)	13,990	12,029	6,977	5,713	2,232	1,773	2,566	4,077	6,054	8,583	11,492	14,353
Critical Water Years (16%)	16,129	15,262	9,474	7,510	4,923	4,556	7,075	9,534	10,940	12,754	14,154	15,582

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-11-5c. Sacramento River at Mallard Slough Salinity, Alt2wTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-18	-77	-138	-269	-499	49	-763	-381	339	58	10	3
20% Exceedance	51	182	-53	-941	-238	63	56	213	-63	292	65	19
30% Exceedance	31	28	-45	182	-132	15	97	358	283	-102	157	205
40% Exceedance	119	72	-122	79	-44	-38	142	430	167	-121	-210	-32
50% Exceedance	-102	-191	-79	-215	-10	-20	86	637	92	-249	-79	638
60% Exceedance	-25	-50	130	-72	4	0	77	302	36	-32	121	55
70% Exceedance	8	-284	-40	-1	0	1	9	133	138	133	159	176
80% Exceedance	-18	-202	-22	-2	0	1	5	60	-24	97	266	173
90% Exceedance	-60	62	-17	0	0	0	0	32	-7	-57	367	172
Full Simulation Period Average[a]	53	-87	-67	-126	-27	9	56	211	29	-14	43	135
Wet Water Years (28%)	19	-9	-17	-24	0	4	44	150	20	97	228	106
Above Normal Years (14%)	7	-216	65	-9	0	-1	70	302	1	63	134	297
Below Normal Years (18%)	148	-256	-48	60	-38	-19	143	478	118	-147	-243	138
Dry Water Years (24%)	68	40	-6	-364	-222	-22	99	246	153	54	93	177
Critical Water Years (16%)	28	-108	-415	-263	210	103	-99	-112	-213	-226	-117	-19

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-11-6a. Sacramento River at Mallard Slough Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,882	15,242	12,048	9,974	5,264	4,501	6,362	8,889	11,350	12,907	14,176	15,455
20% Exceedance	15,024	14,194	11,089	8,410	3,522	2,733	4,275	4,788	6,915	8,978	11,895	14,656
30% Exceedance	14,504	13,873	10,499	5,137	1,557	1,163	2,468	4,435	6,088	8,462	11,345	14,148
40% Exceedance	14,023	12,765	9,702	2,909	994	879	1,639	3,774	5,693	8,070	10,822	13,750
50% Exceedance	13,120	9,043	7,139	1,888	550	596	1,123	2,578	5,029	6,848	9,189	11,883
60% Exceedance	5,168	8,568	4,015	1,015	291	316	700	1,814	4,723	5,465	7,386	5,632
70% Exceedance	4,969	8,341	2,051	345	216	229	440	1,158	4,253	4,899	6,985	5,337
80% Exceedance	4,896	7,347	1,127	214	196	196	268	489	2,950	4,604	6,684	5,205
90% Exceedance	4,730	4,319	637	192	188	187	199	265	1,773	4,205	6,348	5,085
Full Simulation Period Average[a]	10,065	10,304	6,523	3,617	1,733	1,444	2,230	3,444	5,454	7,240	9,538	10,286
Wet Water Years (28%)	4,674	6,515	5,357	417	215	286	404	943	2,729	4,255	6,540	5,090
Above Normal Years (14%)	4,690	7,523	5,910	1,767	388	321	607	1,706	3,879	4,812	6,853	5,132
Below Normal Years (18%)	12,757	12,046	5,428	3,059	1,531	975	1,621	2,655	5,256	6,953	9,602	12,463
Dry Water Years (24%)	13,922	11,989	6,983	6,077	2,454	1,795	2,466	3,831	5,902	8,529	11,399	14,177
Critical Water Years (16%)	16,101	15,370	9,890	7,773	4,713	4,453	7,175	9,646	11,153	12,980	14,271	15,601

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-11-6b. Sacramento River at Mallard Slough Salinity, Alternative 3, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,565	14,845	12,215	6,909	3,392	3,046	3,953	6,211	8,202	9,181	10,925	13,930
20% Exceedance	12,921	13,811	9,154	4,722	1,841	1,540	2,253	4,242	6,093	8,351	8,152	9,904
30% Exceedance	12,457	13,131	6,183	3,035	944	875	1,851	3,271	5,627	7,465	7,726	9,395
40% Exceedance	10,900	12,355	4,608	1,350	553	594	1,277	2,415	5,216	7,162	7,492	9,184
50% Exceedance	10,417	7,825	3,418	927	402	414	710	1,647	4,632	6,853	7,339	9,057
60% Exceedance	5,200	5,312	2,059	674	294	290	434	805	4,247	6,558	6,941	5,399
70% Exceedance	4,925	4,931	1,240	265	208	214	317	533	3,819	5,727	6,554	5,228
80% Exceedance	4,820	4,768	710	206	195	200	245	282	3,125	4,942	5,803	5,139
90% Exceedance	4,663	4,322	345	190	187	188	194	209	2,206	4,223	5,447	5,033
Full Simulation Period Average[a]	9,079	8,918	4,642	2,328	1,166	1,026	1,575	2,538	4,812	6,771	7,515	8,264
Wet Water Years (28%)	4,500	4,348	2,809	325	208	240	335	515	2,773	4,320	5,511	4,887
Above Normal Years (14%)	4,696	4,489	2,690	724	272	256	480	900	3,951	6,490	6,740	5,160
Below Normal Years (18%)	10,193	10,985	4,818	1,915	869	543	980	2,095	5,186	7,717	7,843	9,144
Dry Water Years (24%)	12,098	11,556	6,317	3,468	1,471	1,180	1,659	2,939	4,960	6,922	7,442	9,466
Critical Water Years (16%)	15,843	15,177	7,124	5,991	3,501	3,385	5,248	7,409	8,487	10,018	11,443	14,099

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-11-6c. Sacramento River at Mallard Slough Salinity, Alternative 3 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-317	-398	167	-3,065	-1,873	-1,455	-2,409	-2,677	-3,148	-3,726	-3,251	-1,526
20% Exceedance	-2,102	-383	-1,935	-3,688	-1,681	-1,193	-2,022	-547	-822	-627	-3,743	-4,752
30% Exceedance	-2,047	-741	-4,316	-2,102	-613	-288	-617	-1,164	-461	-998	-3,619	-4,754
40% Exceedance	-3,124	-410	-5,093	-1,559	-441	-284	-362	-1,358	-477	-907	-3,330	-4,566
50% Exceedance	-2,704	-1,218	-3,721	-961	-148	-182	-412	-932	-397	5	-1,850	-2,825
60% Exceedance	31	-3,256	-1,955	-342	3	-25	-266	-1,010	-476	1,093	-445	-233
70% Exceedance	-45	-3,410	-811	-80	-8	-14	-123	-625	-435	828	-431	-109
80% Exceedance	-76	-2,580	-418	-8	-2	3	-23	-207	175	338	-882	-66
90% Exceedance	-67	3	-292	-2	0	1	-5	-56	433	18	-901	-52
Full Simulation Period Average[a]	-986	-1,386	-1,881	-1,289	-567	-418	-655	-906	-643	-469	-2,023	-2,021
Wet Water Years (28%)	-174	-2,167	-2,548	-92	-7	-46	-70	-429	44	65	-1,029	-203
Above Normal Years (14%)	5	-3,035	-3,220	-1,043	-116	-65	-127	-805	71	1,678	-113	28
Below Normal Years (18%)	-2,564	-1,060	-610	-1,145	-662	-432	-642	-560	-70	764	-1,759	-3,319
Dry Water Years (24%)	-1,824	-433	-666	-2,609	-984	-615	-807	-892	-942	-1,607	-3,957	-4,710
Critical Water Years (16%)	-258	-193	-2,766	-1,782	-1,212	-1,069	-1,926	-2,237	-2,666	-2,961	-2,827	-1,502

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-11-7a. Sacramento River at Mallard Slough Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,882	15,242	12,048	9,974	5,264	4,501	6,362	8,889	11,350	12,907	14,176	15,455
20% Exceedance	15,024	14,194	11,089	8,410	3,522	2,733	4,275	4,788	6,915	8,978	11,895	14,656
30% Exceedance	14,504	13,873	10,499	5,137	1,557	1,163	2,468	4,435	6,088	8,462	11,345	14,148
40% Exceedance	14,023	12,765	9,702	2,909	994	879	1,639	3,774	5,693	8,070	10,822	13,750
50% Exceedance	13,120	9,043	7,139	1,888	550	596	1,123	2,578	5,029	6,848	9,189	11,883
60% Exceedance	5,168	8,568	4,015	1,015	291	316	700	1,814	4,723	5,465	7,386	5,632
70% Exceedance	4,969	8,341	2,051	345	216	229	440	1,158	4,253	4,899	6,985	5,337
80% Exceedance	4,896	7,347	1,127	214	196	196	268	489	2,950	4,604	6,684	5,205
90% Exceedance	4,730	4,319	637	192	188	187	199	265	1,773	4,205	6,348	5,085
Full Simulation Period Average[a]	10,065	10,304	6,523	3,617	1,733	1,444	2,230	3,444	5,454	7,240	9,538	10,286
Wet Water Years (28%)	4,674	6,515	5,357	417	215	286	404	943	2,729	4,255	6,540	5,090
Above Normal Years (14%)	4,690	7,523	5,910	1,767	388	321	607	1,706	3,879	4,812	6,853	5,132
Below Normal Years (18%)	12,757	12,046	5,428	3,059	1,531	975	1,621	2,655	5,256	6,953	9,602	12,463
Dry Water Years (24%)	13,922	11,989	6,983	6,077	2,454	1,795	2,466	3,831	5,902	8,529	11,399	14,177
Critical Water Years (16%)	16,101	15,370	9,890	7,773	4,713	4,453	7,175	9,646	11,153	12,980	14,271	15,601

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-11-7b. Sacramento River at Mallard Slough Salinity, Alternative 4, Monthly Electrical Conductivity (UMHOS/CM)

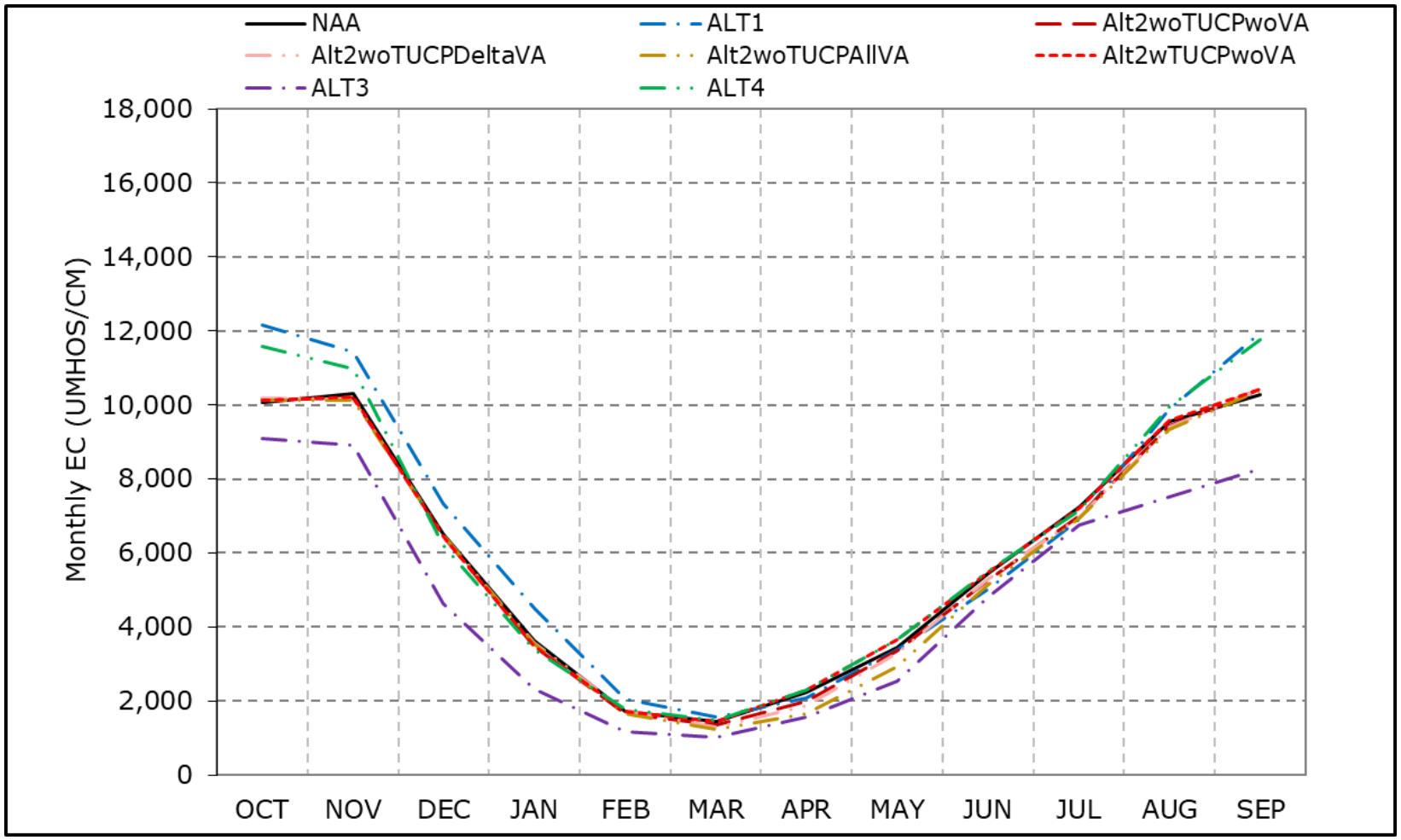
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,959	14,948	12,076	9,652	5,289	4,682	5,628	8,518	11,857	12,795	13,692	15,489
20% Exceedance	15,080	14,288	10,876	7,609	3,650	2,860	4,398	4,961	6,825	8,834	11,575	14,659
30% Exceedance	14,739	13,931	9,954	4,863	1,535	1,177	2,508	4,788	6,351	8,250	11,162	14,291
40% Exceedance	14,075	12,908	8,339	2,513	934	877	1,775	4,190	5,944	7,693	10,602	13,777
50% Exceedance	12,705	11,226	6,546	1,701	540	607	1,210	3,259	5,124	6,527	9,017	12,585
60% Exceedance	8,970	10,726	4,159	814	300	322	764	2,224	4,777	5,409	8,542	9,381
70% Exceedance	8,626	9,975	1,950	322	217	232	435	1,293	4,388	4,988	8,290	9,041
80% Exceedance	8,465	8,572	1,131	210	196	198	274	549	2,917	4,712	8,124	8,824
90% Exceedance	8,228	5,242	615	192	187	186	199	294	1,763	4,213	7,825	8,530
Full Simulation Period Average[a]	11,568	10,965	6,209	3,373	1,766	1,481	2,284	3,668	5,508	7,148	9,945	11,758
Wet Water Years (28%)	7,928	8,185	4,728	382	216	294	451	1,094	2,738	4,335	7,782	8,247
Above Normal Years (14%)	8,217	9,135	5,655	1,230	366	324	680	2,016	3,889	4,843	8,238	8,991
Below Normal Years (18%)	12,871	11,835	5,355	2,811	1,530	942	1,702	3,159	5,424	6,655	9,216	12,544
Dry Water Years (24%)	14,058	12,017	6,893	5,802	2,530	1,838	2,541	4,081	6,062	8,395	11,230	14,313
Critical Water Years (16%)	16,167	15,254	9,458	7,470	4,819	4,646	7,163	9,573	11,040	12,773	14,113	15,609

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-11-7c. Sacramento River at Mallard Slough Salinity, Alternative 4 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

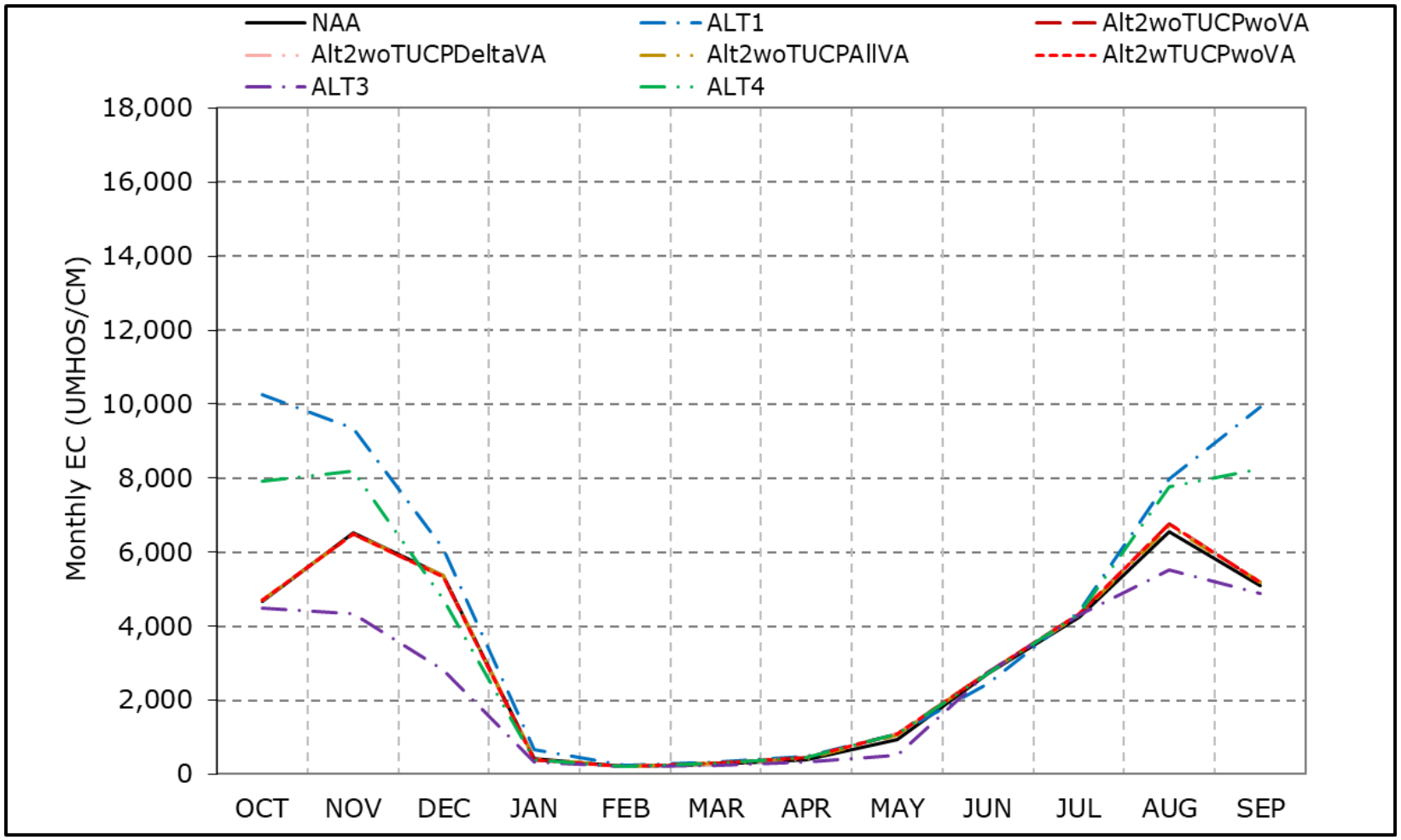
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	77	-294	29	-322	24	181	-734	-371	507	-112	-484	34
20% Exceedance	56	94	-213	-801	128	127	122	172	-90	-144	-320	3
30% Exceedance	235	59	-545	-275	-22	14	40	353	263	-212	-184	143
40% Exceedance	52	143	-1,363	-396	-60	-2	136	416	251	-377	-221	27
50% Exceedance	-415	2,184	-593	-187	-11	11	87	681	95	-321	-171	702
60% Exceedance	3,802	2,158	144	-202	9	6	64	410	54	-56	1,156	3,750
70% Exceedance	3,657	1,635	-101	-23	1	3	-5	136	135	89	1,305	3,704
80% Exceedance	3,569	1,224	4	-4	0	2	6	60	-34	108	1,439	3,619
90% Exceedance	3,498	923	-22	0	0	-1	0	29	-10	8	1,477	3,444
Full Simulation Period Average[a]	1,503	661	-314	-244	32	37	54	225	54	-92	407	1,473
Wet Water Years (28%)	3,254	1,670	-629	-35	1	7	47	151	9	80	1,242	3,157
Above Normal Years (14%)	3,527	1,611	-256	-537	-22	2	73	311	9	31	1,385	3,859
Below Normal Years (18%)	114	-210	-73	-248	0	-33	80	505	167	-298	-385	81
Dry Water Years (24%)	135	28	-90	-275	75	43	75	250	160	-134	-169	136
Critical Water Years (16%)	66	-115	-432	-303	107	193	-12	-73	-113	-207	-157	7

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



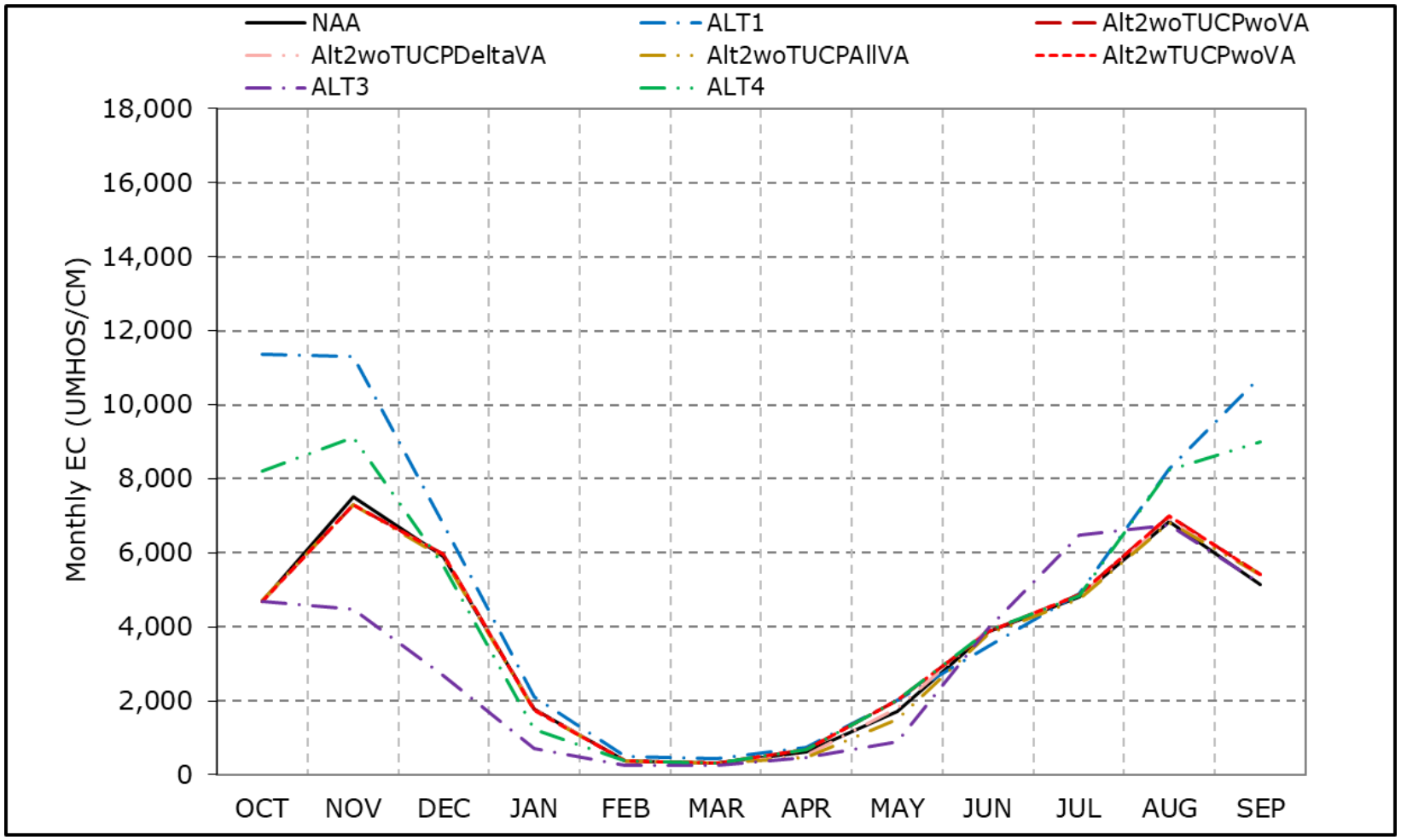
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-11-1. Sacramento River at Mallard Slough Salinity, Long-Term Average Electrical Conductivity



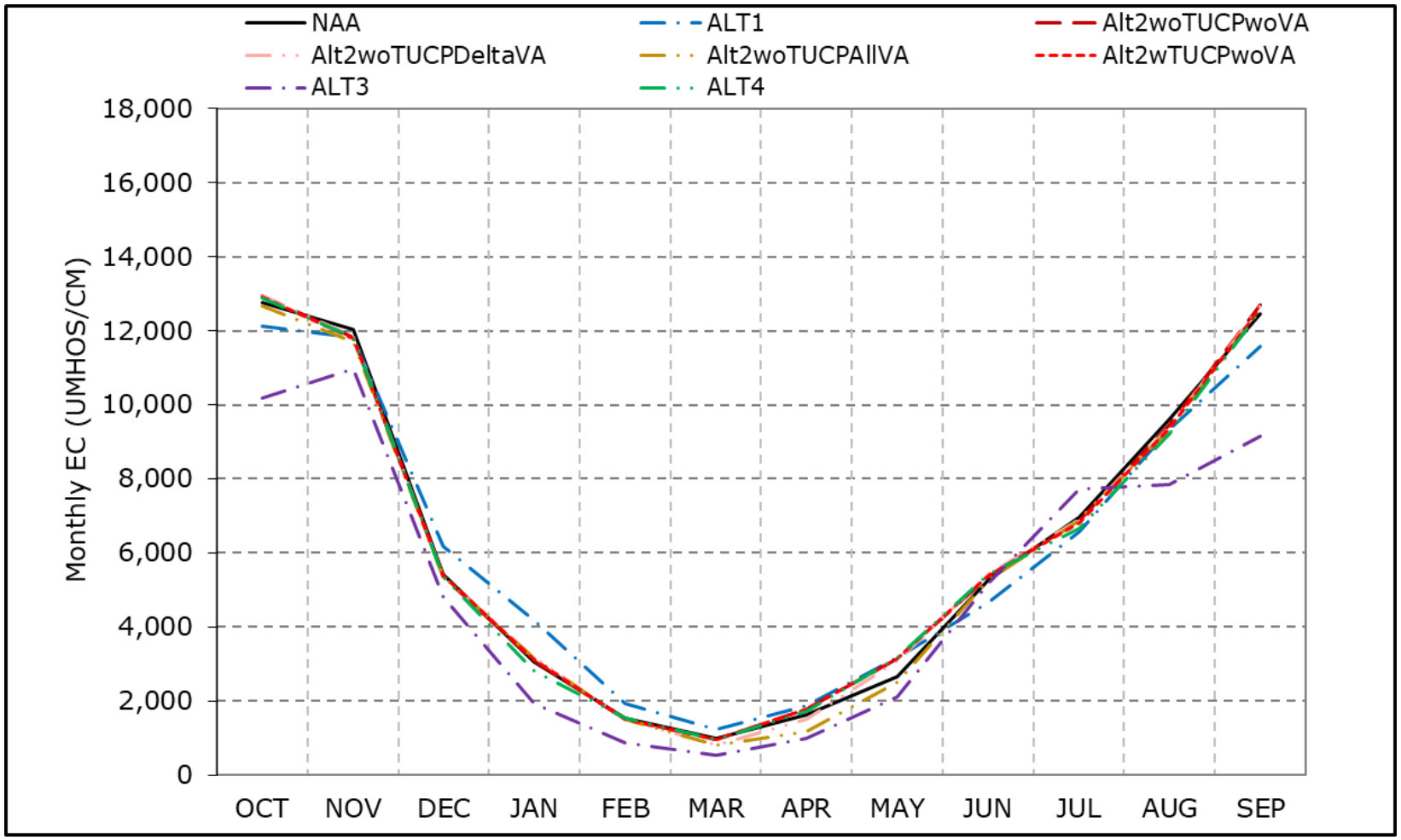
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-11-2. Sacramento River at Mallard Slough Salinity, Wet Year Average Electrical Conductivity



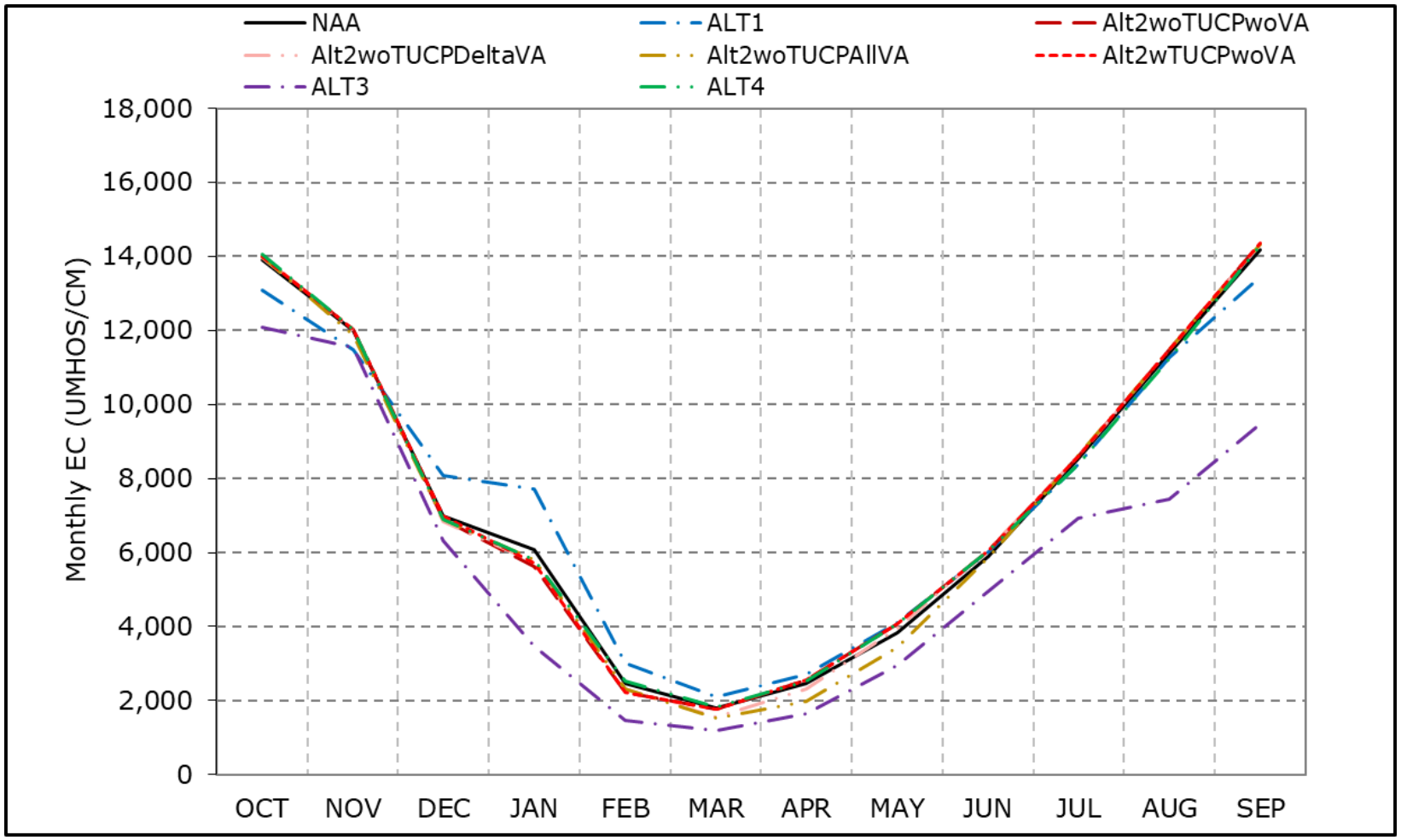
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-11-3. Sacramento River at Mallard Slough Salinity, Above Normal Year Average Electrical Conductivity



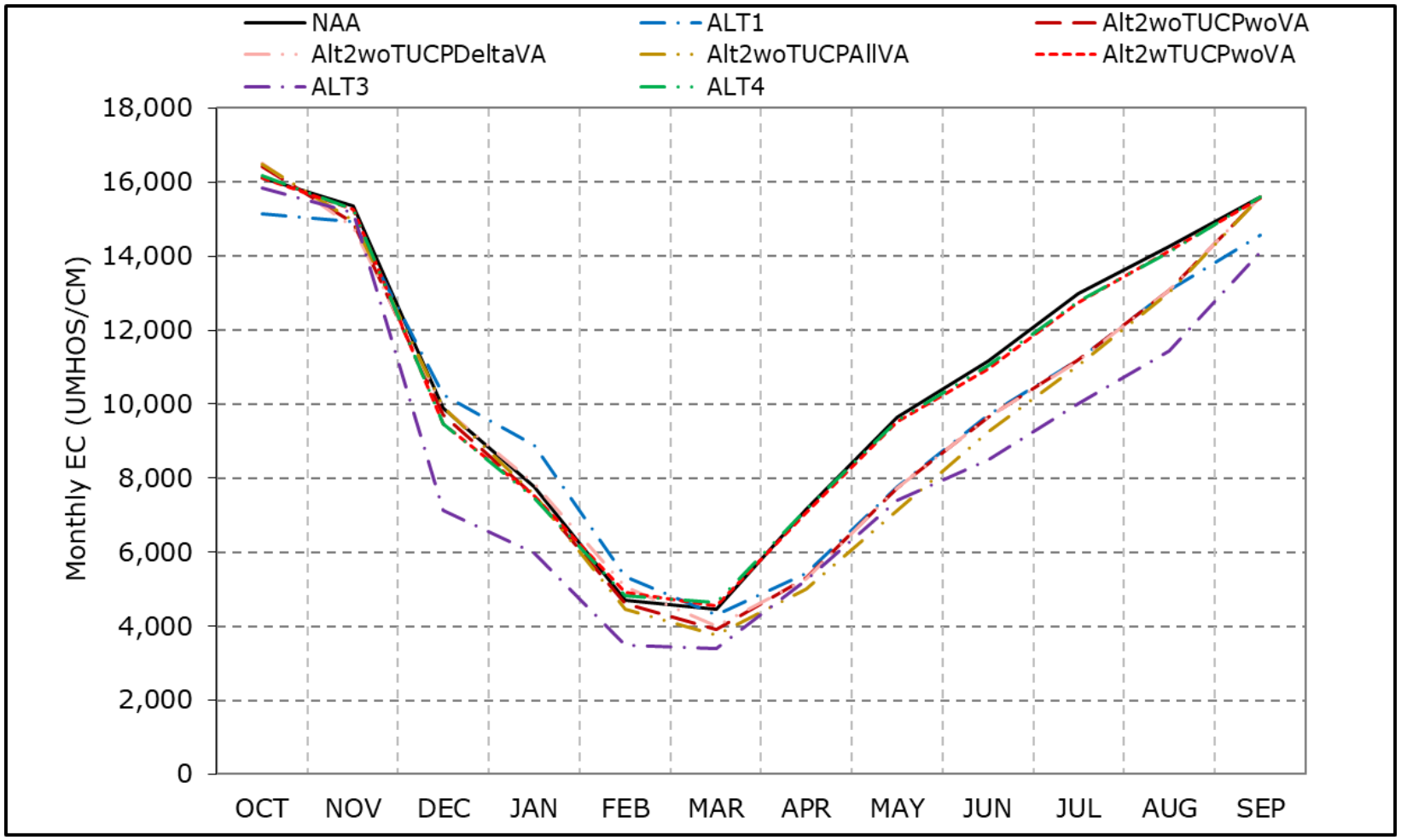
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-11-4. Sacramento River at Mallard Slough Salinity, Below Normal Year Average Electrical Conductivity



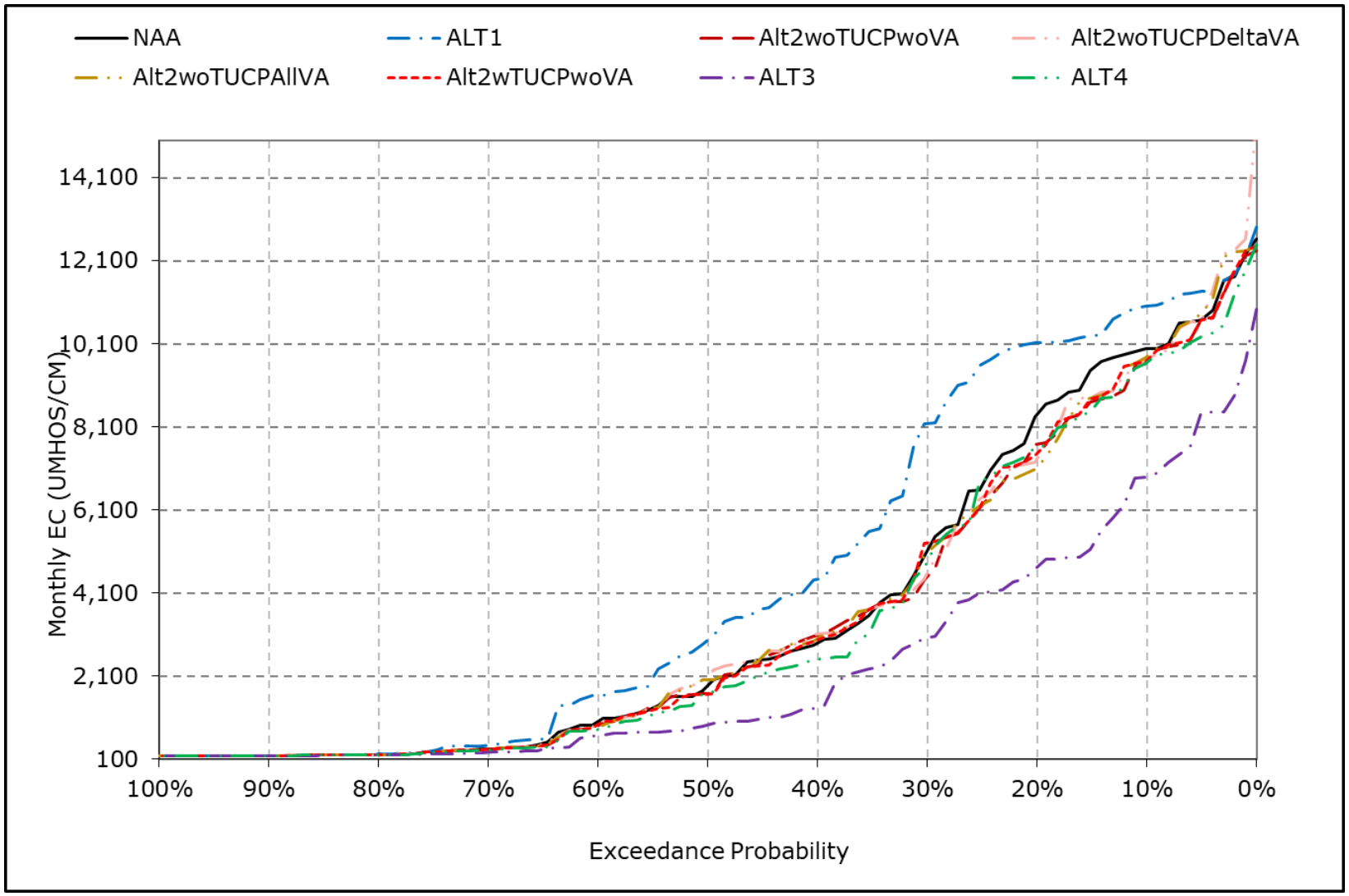
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-11-5. Sacramento River at Mallard Slough Salinity, Dry Year Average Electrical Conductivity



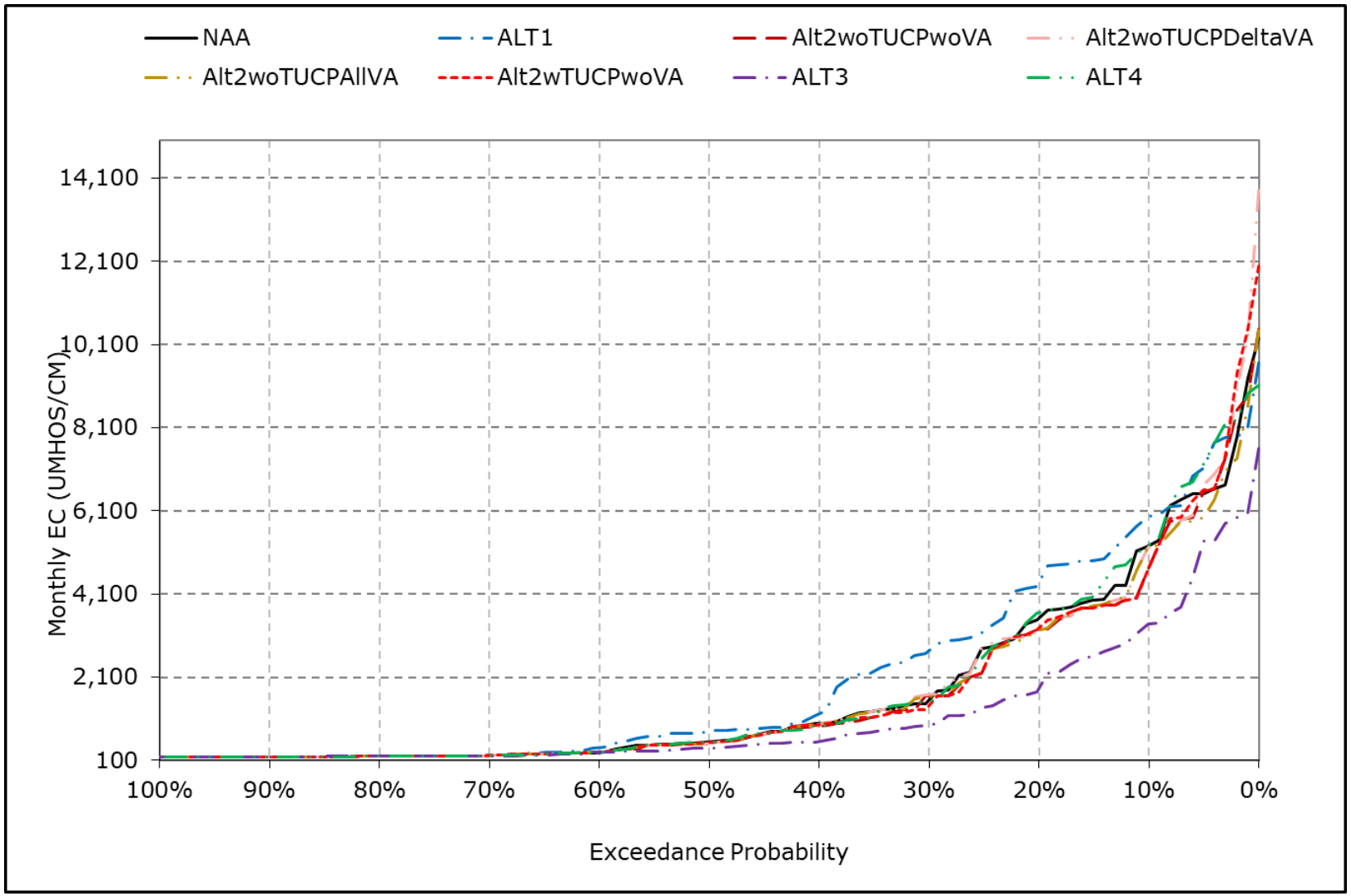
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-11-6. Sacramento River at Mallard Slough Salinity, Critical Year Average Electrical Conductivity



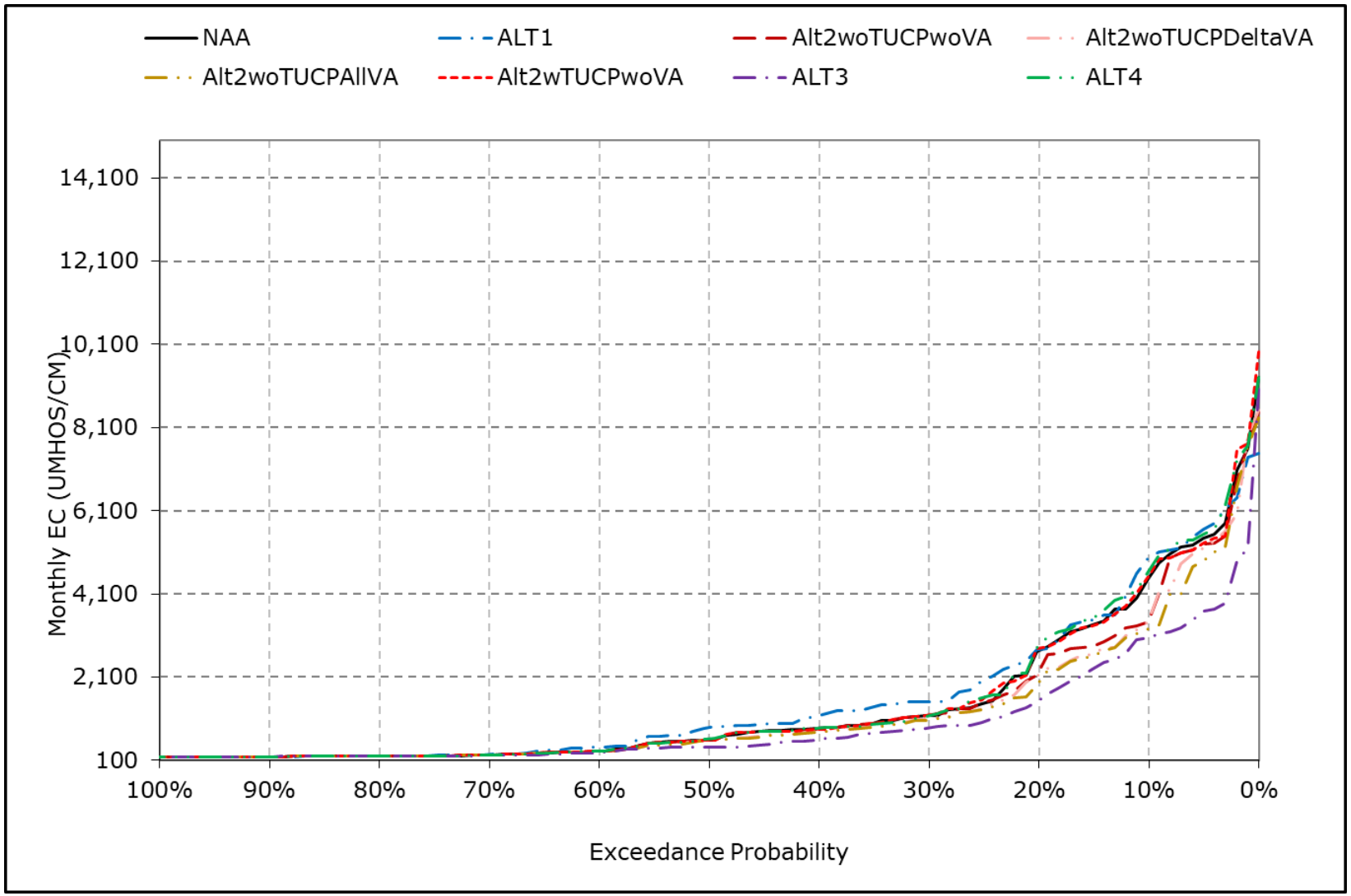
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-11-7. Sacramento River at Mallard Slough Salinity, January Electrical Conductivity



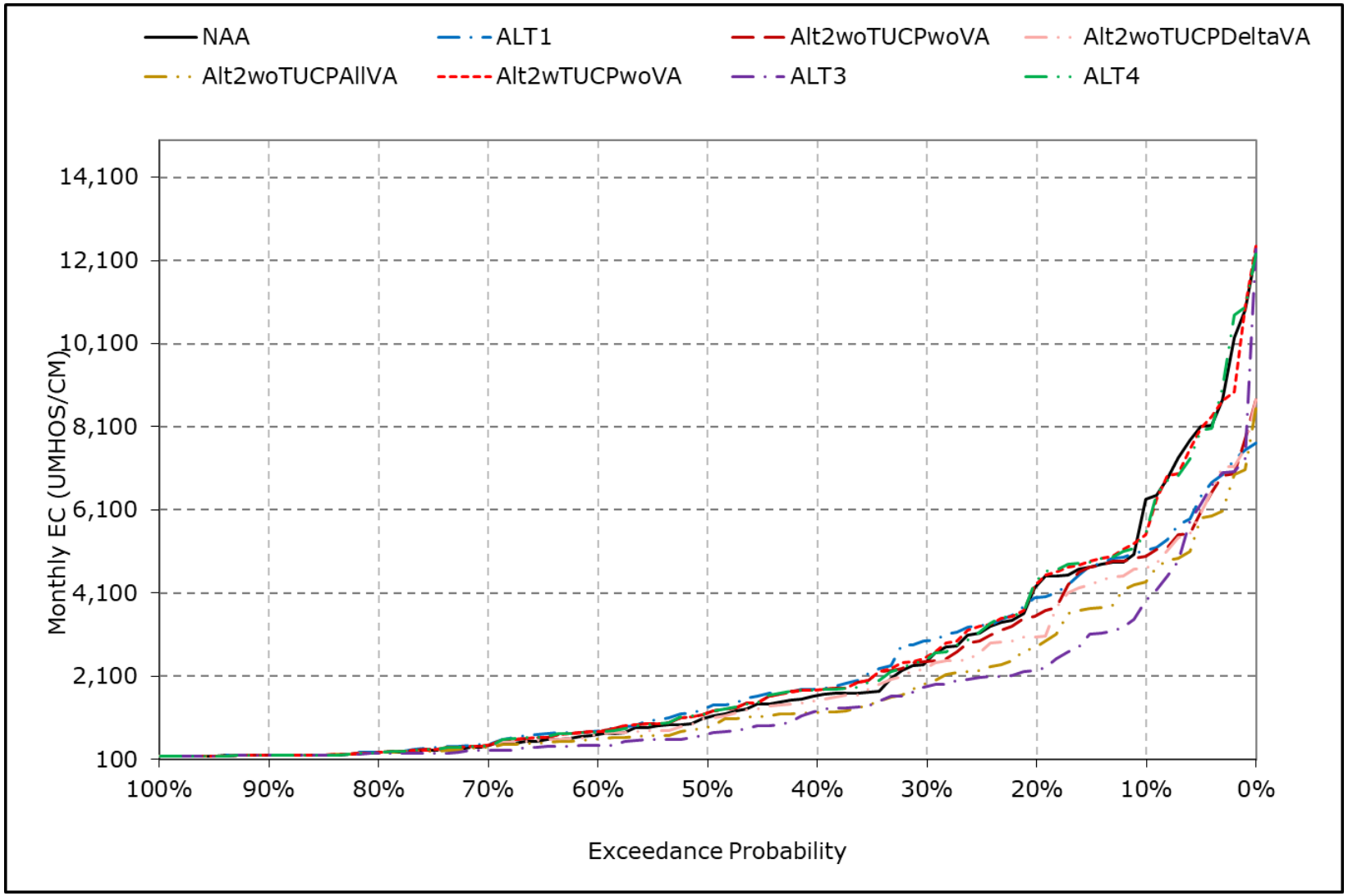
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-11-8. Sacramento River at Mallard Slough Salinity, February Electrical Conductivity



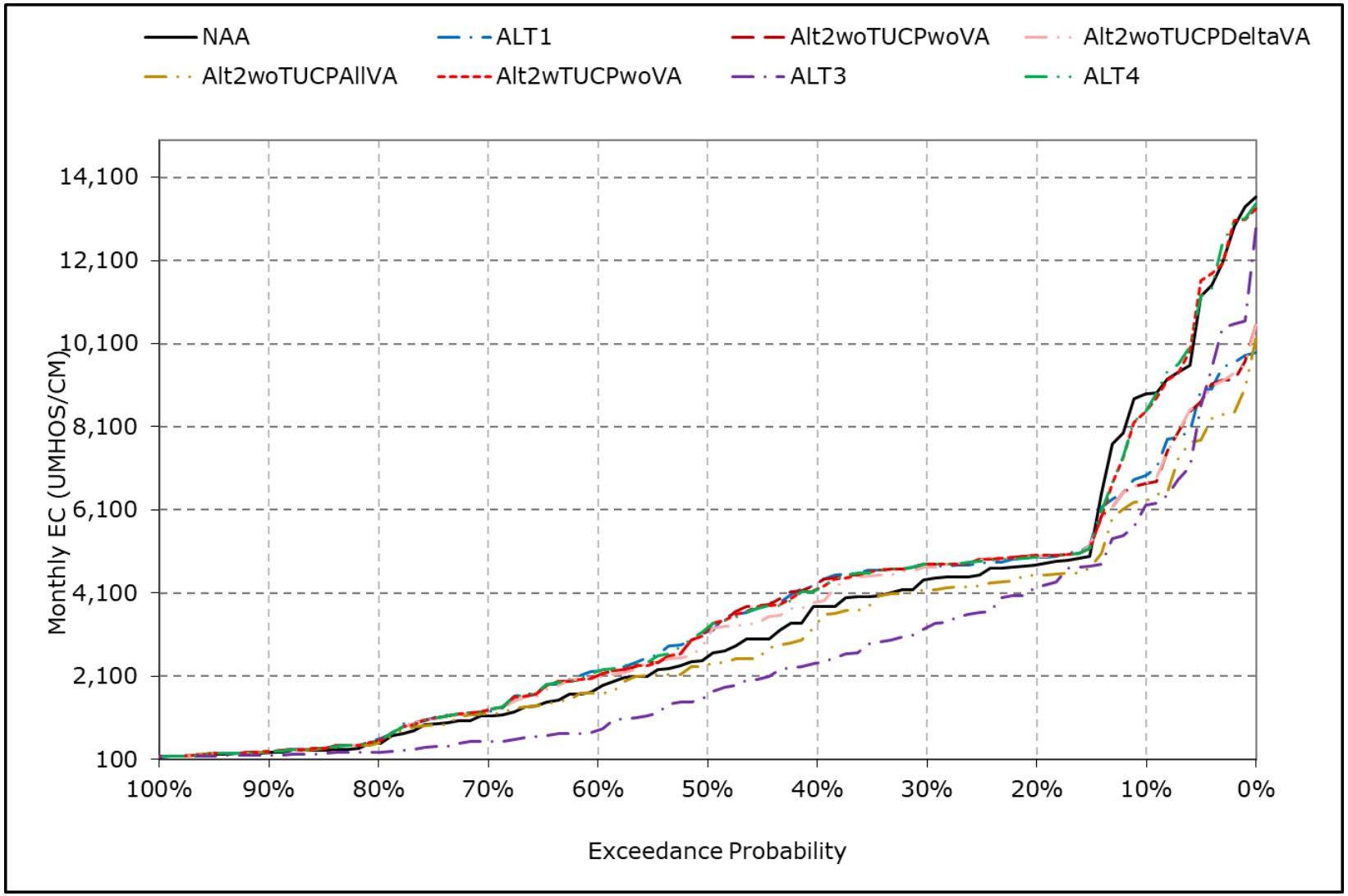
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-11-9. Sacramento River at Mallard Slough Salinity, March Electrical Conductivity



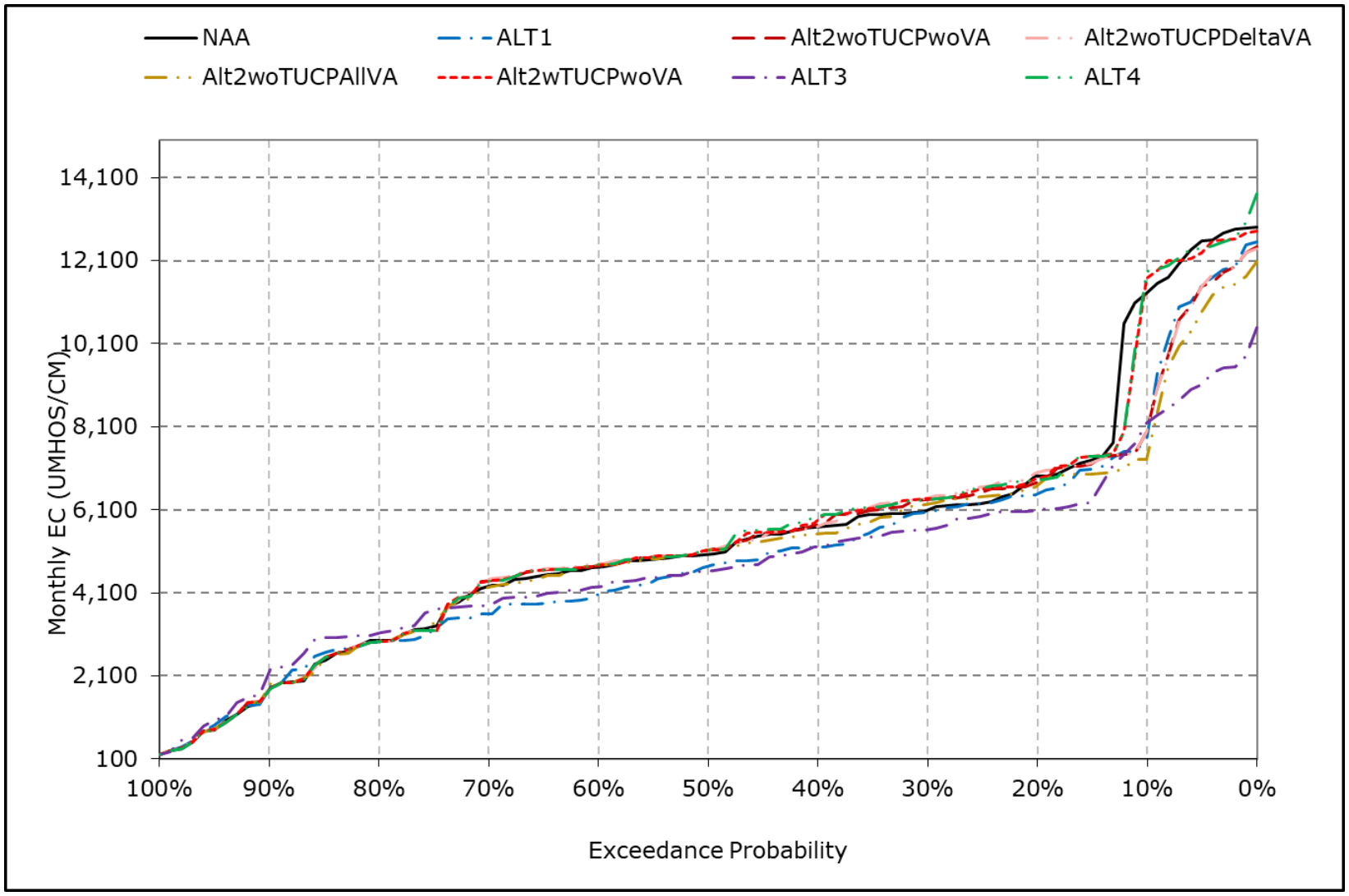
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-11-10. Sacramento River at Mallard Slough Salinity, April Electrical Conductivity



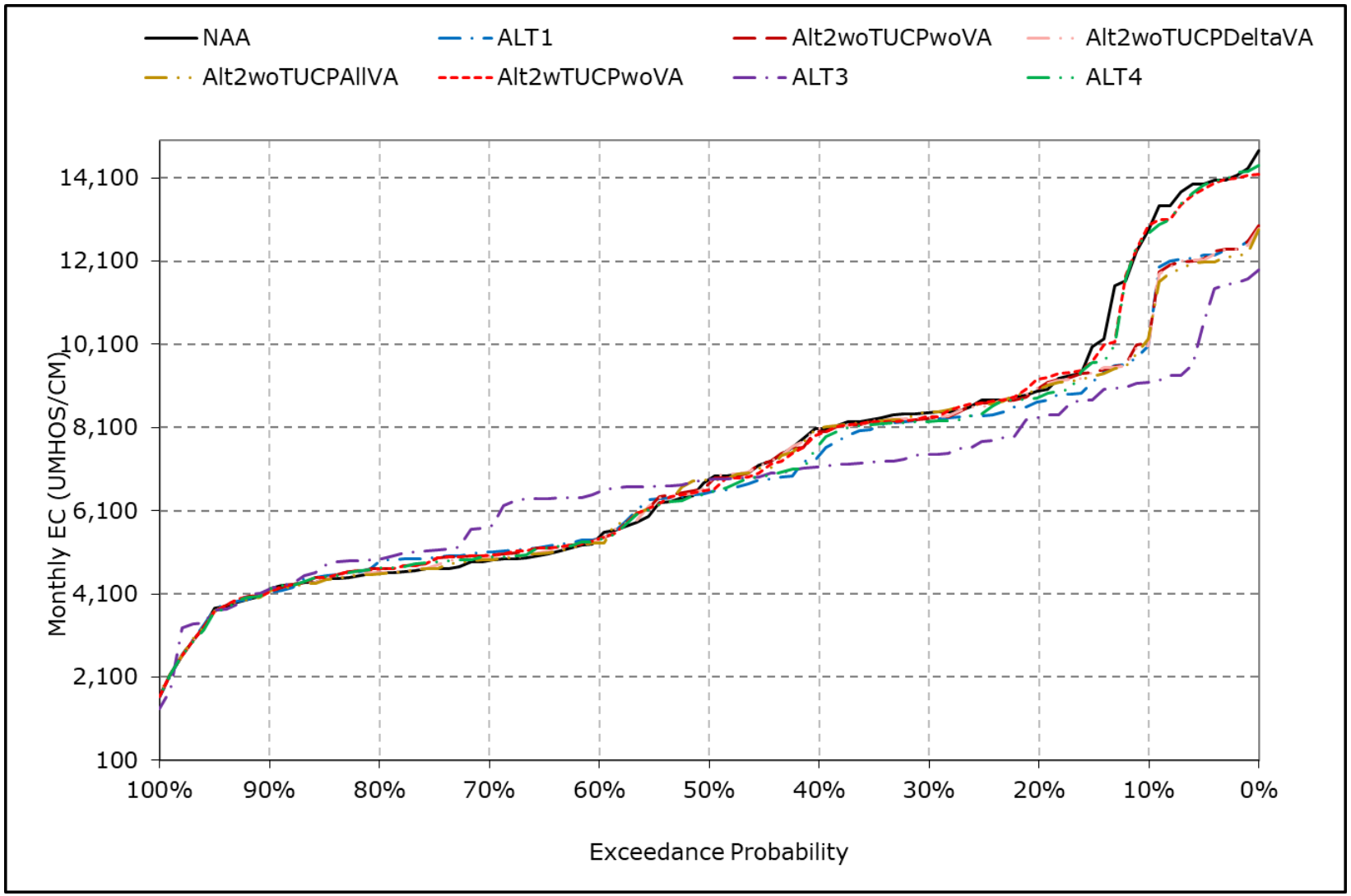
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-11-11. Sacramento River at Mallard Slough Salinity, May Electrical Conductivity



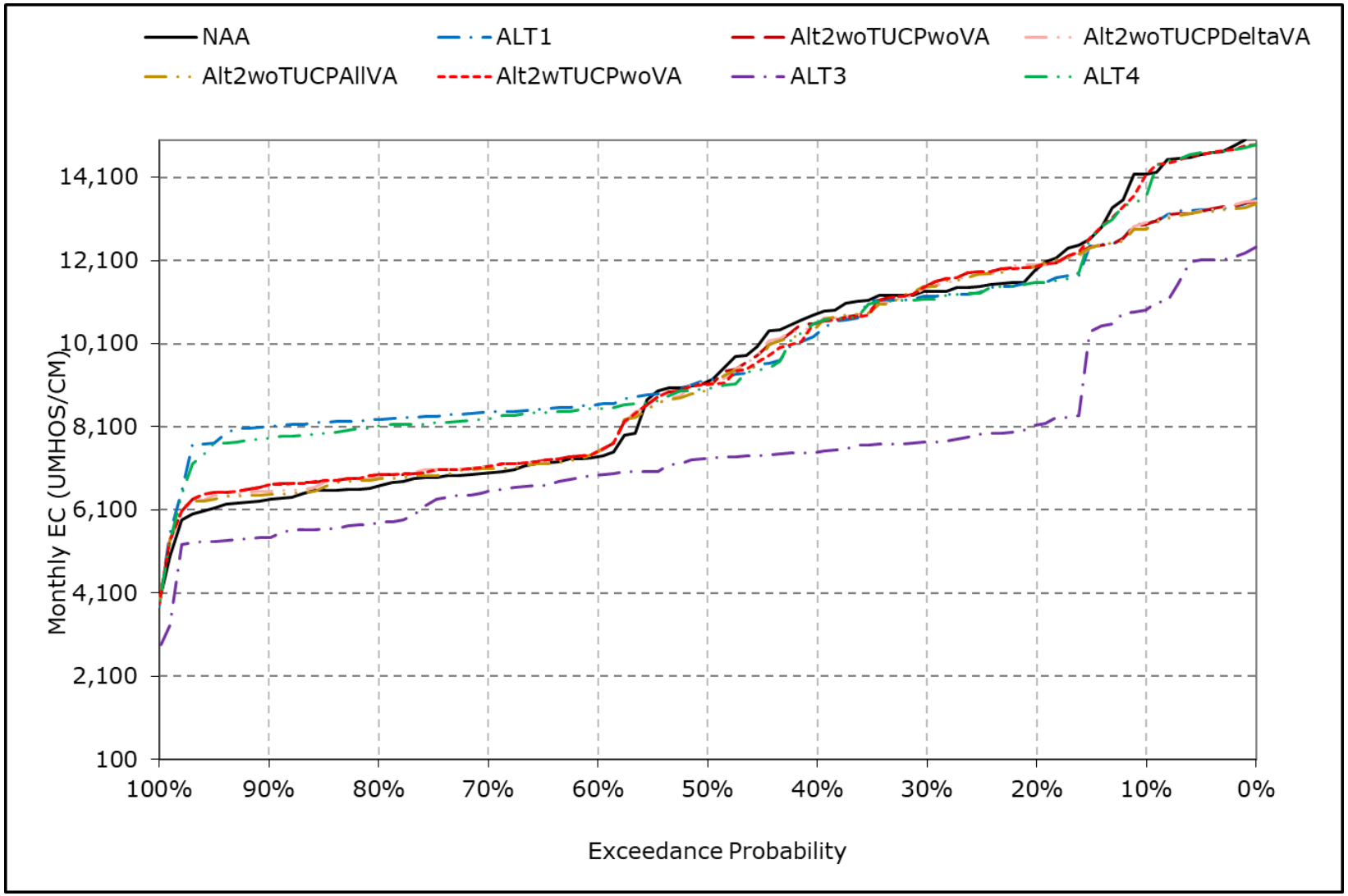
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-11-12. Sacramento River at Mallard Slough Salinity, June Electrical Conductivity



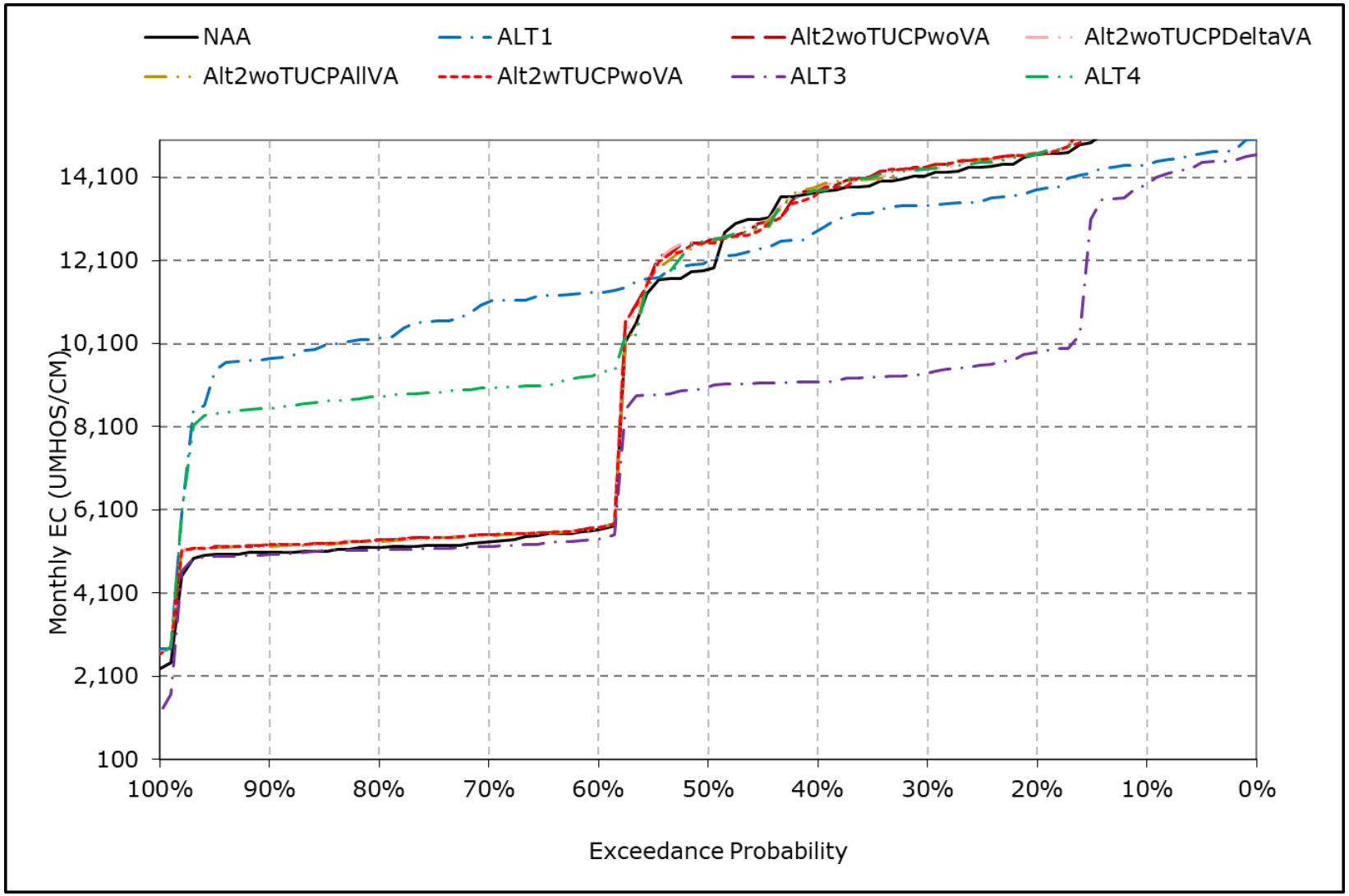
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-11-13. Sacramento River at Mallard Slough Salinity, July Electrical Conductivity



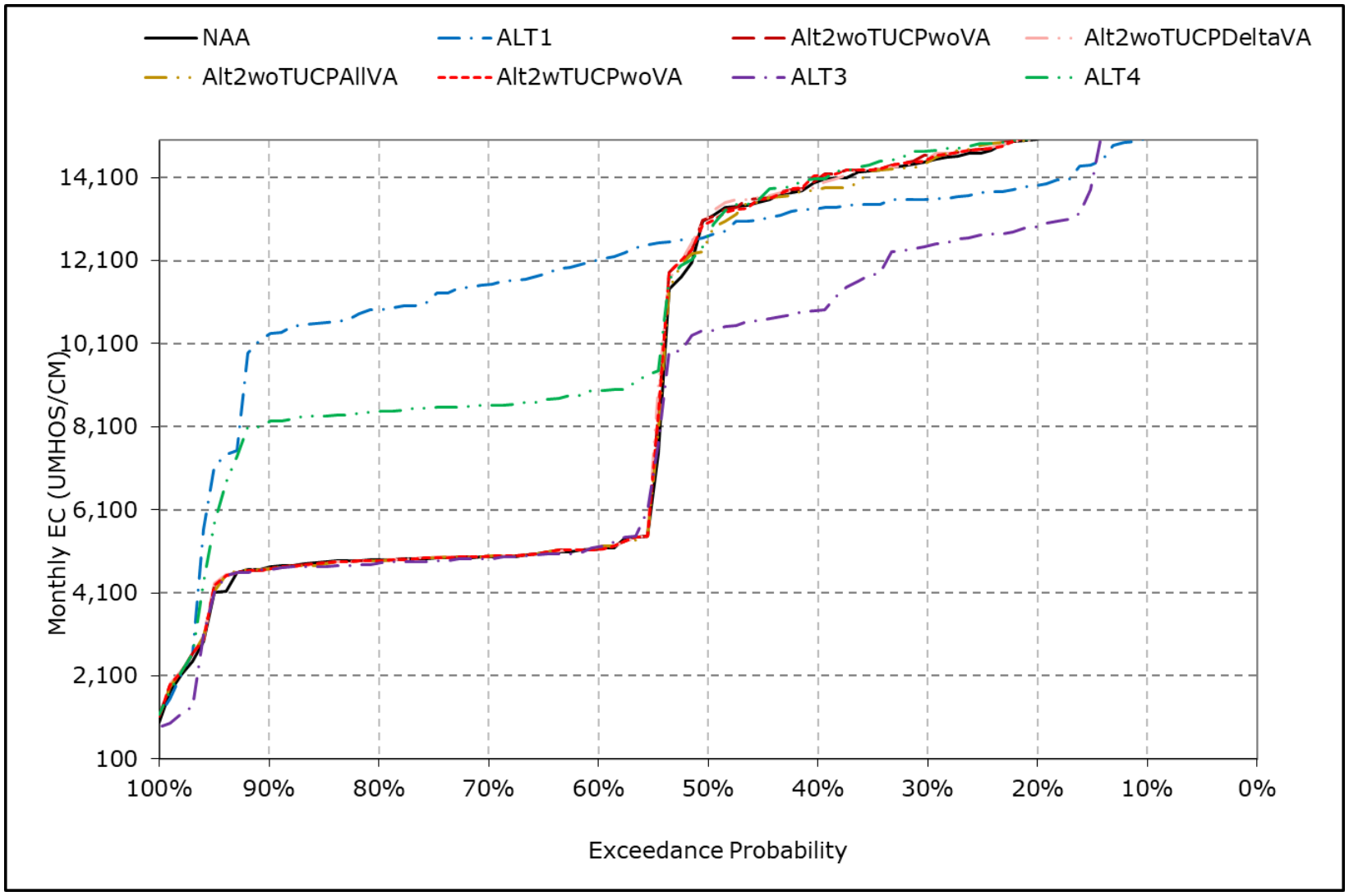
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-11-14. Sacramento River at Mallard Slough Salinity, August Electrical Conductivity



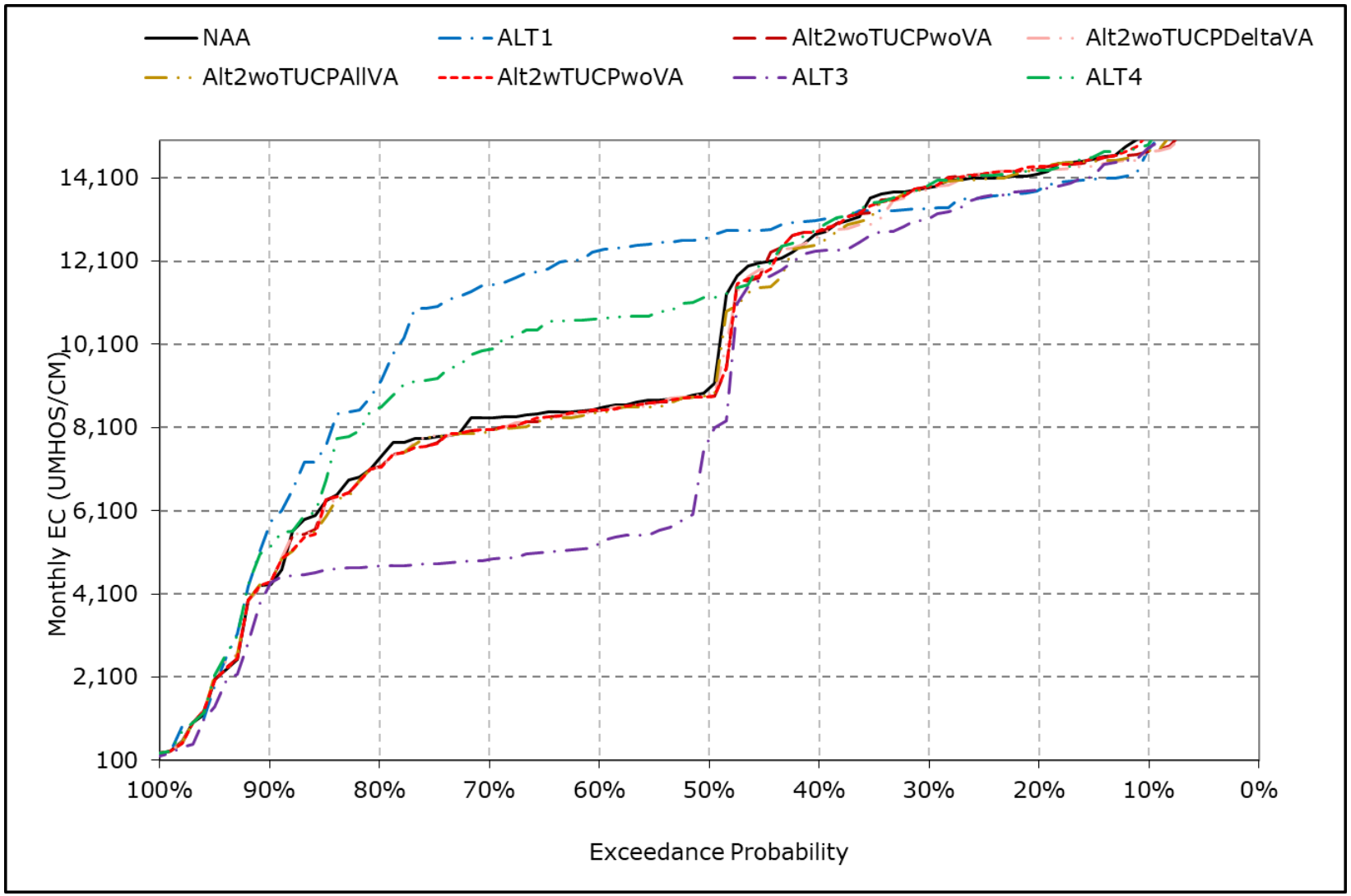
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-11-15. Sacramento River at Mallard Slough Salinity, September Electrical Conductivity



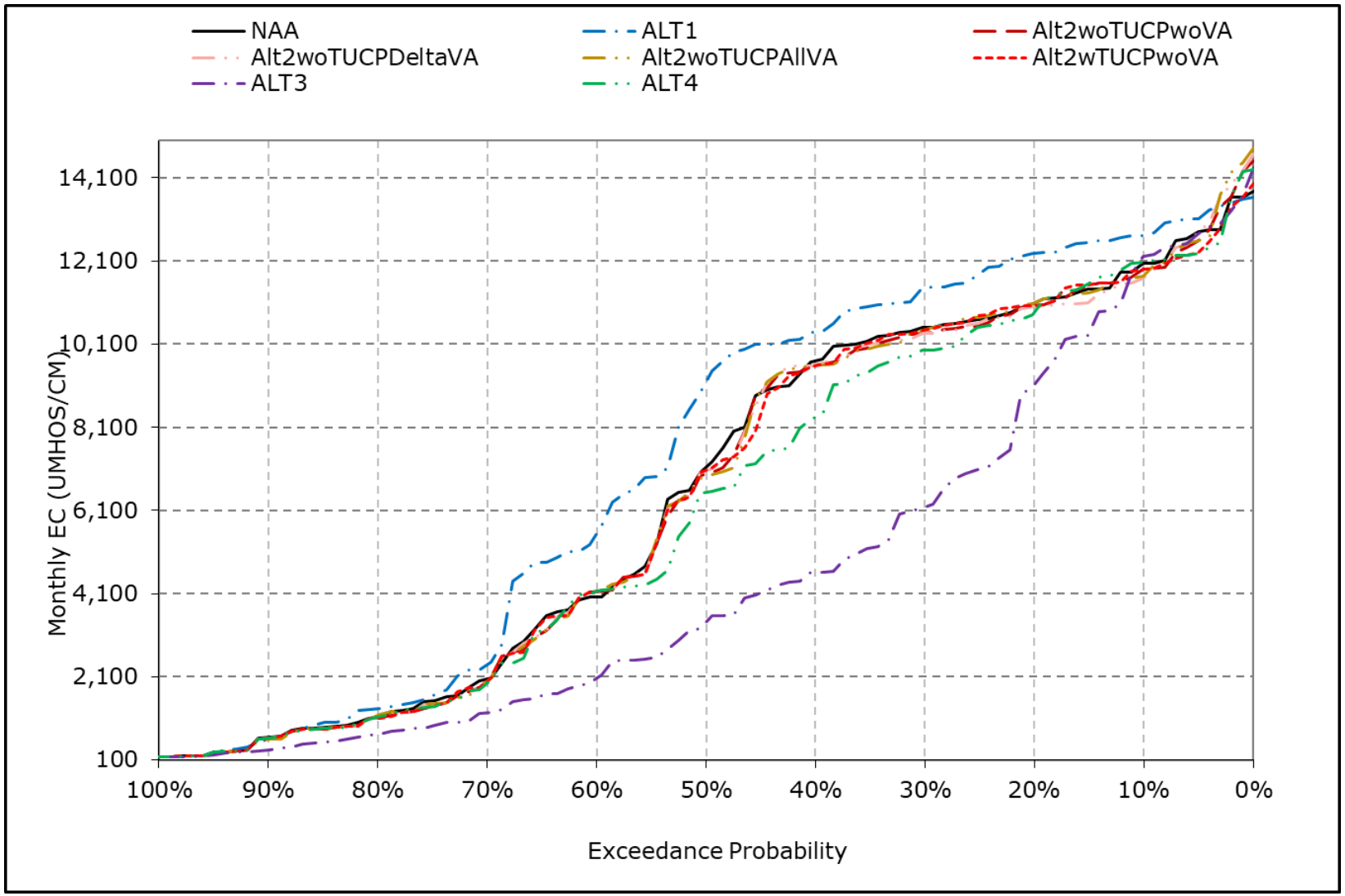
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-11-16. Sacramento River at Mallard Slough Salinity, October Electrical Conductivity



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-11-17. Sacramento River at Mallard Slough Salinity, November Electrical Conductivity



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-11-18. Sacramento River at Mallard Slough Salinity, December Electrical Conductivity

Table F.2.5-12-1a. Sacramento River at Collinsville Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	11,532	11,141	8,119	6,374	2,686	2,238	3,529	5,626	7,686	8,903	9,922	11,065
20% Exceedance	10,744	10,112	7,164	4,996	1,716	1,177	2,163	2,427	4,042	5,541	7,925	10,421
30% Exceedance	10,164	9,741	6,585	2,663	734	473	1,095	2,209	3,394	5,018	7,468	9,934
40% Exceedance	9,698	8,723	5,986	1,399	418	362	664	1,800	3,149	4,629	6,938	9,520
50% Exceedance	8,841	5,440	4,102	849	274	297	458	1,094	2,635	3,709	5,609	7,768
60% Exceedance	2,587	5,208	2,007	456	212	215	300	771	2,423	2,778	4,151	2,864
70% Exceedance	2,414	4,958	1,095	215	196	195	240	467	2,133	2,413	3,837	2,615
80% Exceedance	2,359	4,183	619	191	186	189	200	241	1,379	2,221	3,640	2,514
90% Exceedance	2,234	2,270	366	184	182	183	186	189	724	1,956	3,349	2,448
Full Simulation Period Average[a]	6,636	6,873	4,092	2,178	936	742	1,208	1,935	3,161	4,260	5,991	6,716
Wet Water Years (28%)	2,264	3,782	3,238	260	188	210	242	460	1,338	2,041	3,499	2,459
Above Normal Years (14%)	2,260	4,451	3,540	1,036	253	216	297	763	1,934	2,371	3,802	2,514
Below Normal Years (18%)	8,675	8,159	3,362	1,683	725	427	737	1,250	2,899	3,882	5,995	8,377
Dry Water Years (24%)	9,752	8,314	4,486	3,594	1,252	841	1,122	1,886	3,251	5,079	7,498	9,939
Critical Water Years (16%)	11,741	11,214	6,487	4,964	2,606	2,343	4,354	6,383	7,587	8,993	10,000	11,142

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-12-1b. Sacramento River at Collinsville Salinity, Alternative 1, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	10,564	10,648	8,841	7,207	3,081	2,453	2,596	4,110	4,767	6,644	8,935	10,103
20% Exceedance	9,544	9,712	8,266	6,376	2,180	1,188	1,854	2,560	3,676	5,270	7,715	9,571
30% Exceedance	9,262	9,239	7,349	4,721	1,234	602	1,296	2,432	3,322	4,885	7,284	9,221
40% Exceedance	9,015	8,906	6,409	2,252	611	450	721	2,148	2,691	4,186	6,538	8,574
50% Exceedance	8,396	8,664	5,625	1,349	347	358	516	1,415	2,420	3,565	5,467	7,938
60% Exceedance	7,943	8,120	3,093	694	240	223	335	968	1,990	2,793	5,100	7,151
70% Exceedance	7,369	7,539	1,225	264	193	196	240	498	1,689	2,559	4,942	6,930
80% Exceedance	6,773	5,409	667	192	185	187	202	264	1,348	2,356	4,823	6,114
90% Exceedance	6,189	2,990	357	184	182	183	187	191	764	1,987	4,721	5,748
Full Simulation Period Average[a]	8,081	7,716	4,690	2,750	1,098	776	1,045	1,806	2,789	3,954	6,177	7,827
Wet Water Years (28%)	6,436	6,016	3,802	371	195	217	272	534	1,149	2,154	4,629	6,080
Above Normal Years (14%)	7,272	7,553	4,194	1,192	297	252	344	921	1,628	2,410	4,810	6,647
Below Normal Years (18%)	7,977	7,911	3,963	2,406	929	525	846	1,540	2,417	3,594	5,657	7,460
Dry Water Years (24%)	8,911	7,769	5,339	4,721	1,541	976	1,244	2,049	3,318	4,957	7,339	9,234
Critical Water Years (16%)	10,755	10,732	6,680	5,708	2,904	2,191	2,934	4,743	6,299	7,356	8,923	10,216

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-12-1c. Sacramento River at Collinsville Salinity, Alternative 1 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-968	-492	722	833	396	216	-932	-1,517	-2,919	-2,259	-987	-962
20% Exceedance	-1,200	-400	1,103	1,380	465	11	-310	133	-367	-271	-210	-850
30% Exceedance	-902	-502	764	2,059	500	129	200	223	-72	-133	-184	-713
40% Exceedance	-683	183	423	853	193	88	57	349	-458	-443	-401	-946
50% Exceedance	-444	3,224	1,522	500	72	61	57	321	-215	-145	-142	171
60% Exceedance	5,356	2,912	1,086	238	28	8	35	196	-432	15	950	4,287
70% Exceedance	4,955	2,581	131	49	-4	1	0	31	-444	146	1,105	4,315
80% Exceedance	4,414	1,226	48	1	-1	-2	2	23	-31	135	1,183	3,601
90% Exceedance	3,955	719	-9	-1	0	0	1	2	40	31	1,372	3,300
Full Simulation Period Average[a]	1,445	843	598	573	162	33	-163	-128	-373	-306	186	1,111
Wet Water Years (28%)	4,171	2,234	564	111	7	8	30	73	-189	113	1,130	3,622
Above Normal Years (14%)	5,013	3,102	654	157	44	36	47	159	-305	39	1,008	4,134
Below Normal Years (18%)	-697	-248	601	723	204	99	110	290	-483	-287	-337	-917
Dry Water Years (24%)	-841	-546	853	1,128	289	136	122	163	66	-122	-160	-704
Critical Water Years (16%)	-986	-482	193	743	299	-152	-1,421	-1,640	-1,288	-1,637	-1,077	-926

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-12-2a. Sacramento River at Collinsville Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	11,532	11,141	8,119	6,374	2,686	2,238	3,529	5,626	7,686	8,903	9,922	11,065
20% Exceedance	10,744	10,112	7,164	4,996	1,716	1,177	2,163	2,427	4,042	5,541	7,925	10,421
30% Exceedance	10,164	9,741	6,585	2,663	734	473	1,095	2,209	3,394	5,018	7,468	9,934
40% Exceedance	9,698	8,723	5,986	1,399	418	362	664	1,800	3,149	4,629	6,938	9,520
50% Exceedance	8,841	5,440	4,102	849	274	297	458	1,094	2,635	3,709	5,609	7,768
60% Exceedance	2,587	5,208	2,007	456	212	215	300	771	2,423	2,778	4,151	2,864
70% Exceedance	2,414	4,958	1,095	215	196	195	240	467	2,133	2,413	3,837	2,615
80% Exceedance	2,359	4,183	619	191	186	189	200	241	1,379	2,221	3,640	2,514
90% Exceedance	2,234	2,270	366	184	182	183	186	189	724	1,956	3,349	2,448
Full Simulation Period Average[a]	6,636	6,873	4,092	2,178	936	742	1,208	1,935	3,161	4,260	5,991	6,716
Wet Water Years (28%)	2,264	3,782	3,238	260	188	210	242	460	1,338	2,041	3,499	2,459
Above Normal Years (14%)	2,260	4,451	3,540	1,036	253	216	297	763	1,934	2,371	3,802	2,514
Below Normal Years (18%)	8,675	8,159	3,362	1,683	725	427	737	1,250	2,899	3,882	5,995	8,377
Dry Water Years (24%)	9,752	8,314	4,486	3,594	1,252	841	1,122	1,886	3,251	5,079	7,498	9,939
Critical Water Years (16%)	11,741	11,214	6,487	4,964	2,606	2,343	4,354	6,383	7,587	8,993	10,000	11,142

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-12-2b. Sacramento River at Collinsville Salinity, Alt2woTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	12,048	10,646	8,021	6,114	2,437	1,640	2,533	3,937	4,904	6,657	8,933	11,086
20% Exceedance	10,849	10,219	7,096	4,474	1,519	953	1,672	2,583	3,916	5,614	8,063	10,447
30% Exceedance	10,299	9,795	6,544	2,251	668	478	1,056	2,432	3,525	4,896	7,618	10,106
40% Exceedance	9,787	8,864	5,828	1,506	420	363	726	2,177	3,199	4,583	6,696	9,534
50% Exceedance	8,789	5,444	3,895	840	277	299	476	1,443	2,631	3,650	5,451	8,385
60% Exceedance	2,608	5,159	2,069	439	210	215	329	904	2,463	2,749	4,203	2,875
70% Exceedance	2,440	4,789	1,000	215	196	196	240	520	2,251	2,488	3,919	2,709
80% Exceedance	2,365	4,064	577	190	186	189	202	255	1,362	2,271	3,791	2,620
90% Exceedance	2,218	2,323	367	184	183	183	185	191	722	1,963	3,609	2,519
Full Simulation Period Average[a]	6,732	6,753	4,056	2,066	898	687	1,003	1,798	2,988	4,022	5,851	6,831
Wet Water Years (28%)	2,274	3,775	3,226	251	187	211	256	531	1,343	2,106	3,663	2,521
Above Normal Years (14%)	2,286	4,303	3,597	1,034	254	216	318	916	1,925	2,400	3,840	2,675
Below Normal Years (18%)	8,828	7,993	3,315	1,710	716	423	804	1,528	2,961	3,815	5,810	8,539
Dry Water Years (24%)	9,817	8,361	4,414	3,269	1,122	829	1,173	2,034	3,363	5,132	7,565	10,080
Critical Water Years (16%)	12,049	10,700	6,382	4,743	2,575	2,015	2,879	4,733	6,264	7,359	8,915	11,215

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-12-2c. Sacramento River at Collinsville Salinity, Alt2woTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	517	-494	-98	-260	-249	-597	-995	-1,689	-2,782	-2,246	-988	21
20% Exceedance	105	107	-68	-522	-197	-224	-492	156	-126	73	138	26
30% Exceedance	135	55	-42	-412	-66	5	-40	223	131	-122	151	172
40% Exceedance	89	141	-157	107	1	1	62	377	51	-46	-242	14
50% Exceedance	-51	5	-208	-10	3	3	18	349	-3	-59	-158	618
60% Exceedance	21	-49	63	-17	-1	0	29	133	40	-29	53	11
70% Exceedance	27	-169	-95	0	0	0	0	53	118	75	81	95
80% Exceedance	6	-119	-42	-1	0	0	2	14	-17	50	151	107
90% Exceedance	-16	53	0	0	0	0	0	2	-2	7	259	71
Full Simulation Period Average[a]	96	-120	-36	-111	-38	-56	-205	-137	-174	-239	-139	115
Wet Water Years (28%)	10	-7	-12	-9	0	1	14	71	5	66	164	63
Above Normal Years (14%)	26	-149	57	-2	1	0	20	153	-9	28	39	162
Below Normal Years (18%)	153	-166	-47	27	-9	-4	67	278	61	-67	-185	162
Dry Water Years (24%)	65	47	-72	-325	-130	-12	52	148	112	52	67	141
Critical Water Years (16%)	308	-514	-105	-221	-30	-328	-1,476	-1,650	-1,323	-1,634	-1,084	73

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-12-3a. Sacramento River at Collinsville Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	11,532	11,141	8,119	6,374	2,686	2,238	3,529	5,626	7,686	8,903	9,922	11,065
20% Exceedance	10,744	10,112	7,164	4,996	1,716	1,177	2,163	2,427	4,042	5,541	7,925	10,421
30% Exceedance	10,164	9,741	6,585	2,663	734	473	1,095	2,209	3,394	5,018	7,468	9,934
40% Exceedance	9,698	8,723	5,986	1,399	418	362	664	1,800	3,149	4,629	6,938	9,520
50% Exceedance	8,841	5,440	4,102	849	274	297	458	1,094	2,635	3,709	5,609	7,768
60% Exceedance	2,587	5,208	2,007	456	212	215	300	771	2,423	2,778	4,151	2,864
70% Exceedance	2,414	4,958	1,095	215	196	195	240	467	2,133	2,413	3,837	2,615
80% Exceedance	2,359	4,183	619	191	186	189	200	241	1,379	2,221	3,640	2,514
90% Exceedance	2,234	2,270	366	184	182	183	186	189	724	1,956	3,349	2,448
Full Simulation Period Average[a]	6,636	6,873	4,092	2,178	936	742	1,208	1,935	3,161	4,260	5,991	6,716
Wet Water Years (28%)	2,264	3,782	3,238	260	188	210	242	460	1,338	2,041	3,499	2,459
Above Normal Years (14%)	2,260	4,451	3,540	1,036	253	216	297	763	1,934	2,371	3,802	2,514
Below Normal Years (18%)	8,675	8,159	3,362	1,683	725	427	737	1,250	2,899	3,882	5,995	8,377
Dry Water Years (24%)	9,752	8,314	4,486	3,594	1,252	841	1,122	1,886	3,251	5,079	7,498	9,939
Critical Water Years (16%)	11,741	11,214	6,487	4,964	2,606	2,343	4,354	6,383	7,587	8,993	10,000	11,142

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-12-3b. Sacramento River at Collinsville Salinity, Alt2woTUCPDeltaVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	12,064	10,614	7,927	6,242	2,688	1,589	2,414	3,937	4,906	6,582	8,945	11,144
20% Exceedance	10,793	10,153	7,129	4,202	1,486	954	1,382	2,579	4,036	5,586	8,127	10,456
30% Exceedance	10,313	9,727	6,540	2,294	738	417	1,026	2,445	3,578	4,946	7,430	10,059
40% Exceedance	9,611	8,627	5,963	1,501	443	336	589	1,879	3,120	4,580	6,698	9,557
50% Exceedance	8,868	5,469	3,973	1,041	279	274	435	1,370	2,661	3,686	5,439	8,423
60% Exceedance	2,619	5,099	2,077	436	211	216	301	900	2,502	2,740	4,189	2,850
70% Exceedance	2,441	4,733	995	215	196	197	242	532	2,269	2,437	3,931	2,711
80% Exceedance	2,381	4,064	602	190	186	190	200	255	1,351	2,238	3,761	2,605
90% Exceedance	2,233	2,305	361	184	183	183	186	191	726	1,962	3,524	2,514
Full Simulation Period Average[a]	6,746	6,718	4,063	2,158	967	656	941	1,764	3,006	4,002	5,818	6,827
Wet Water Years (28%)	2,279	3,764	3,249	263	188	210	251	529	1,359	2,083	3,651	2,517
Above Normal Years (14%)	2,289	4,293	3,538	1,040	254	216	272	818	1,959	2,356	3,790	2,652
Below Normal Years (18%)	8,832	7,978	3,305	1,765	713	365	681	1,512	2,995	3,824	5,729	8,544
Dry Water Years (24%)	9,802	8,308	4,351	3,361	1,179	716	1,046	1,966	3,378	5,128	7,536	10,070
Critical Water Years (16%)	12,149	10,604	6,554	5,092	2,924	2,058	2,868	4,732	6,261	7,315	8,908	11,224

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-12-3c. Sacramento River at Collinsville Salinity, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	533	-527	-192	-132	2	-649	-1,115	-1,689	-2,780	-2,321	-976	79
20% Exceedance	49	41	-34	-793	-230	-222	-781	152	-6	45	202	36
30% Exceedance	149	-13	-45	-369	4	-56	-69	236	184	-73	-38	125
40% Exceedance	-87	-96	-22	102	24	-26	-75	80	-29	-49	-240	37
50% Exceedance	27	29	-129	192	4	-23	-23	276	26	-23	-170	655
60% Exceedance	32	-108	70	-20	-1	2	2	129	79	-37	38	-15
70% Exceedance	28	-225	-100	1	0	2	2	65	136	24	94	96
80% Exceedance	21	-120	-17	-1	0	1	0	14	-29	17	121	91
90% Exceedance	-1	34	-5	0	0	0	0	3	2	6	174	66
Full Simulation Period Average[a]	110	-155	-30	-19	31	-86	-267	-171	-155	-258	-173	111
Wet Water Years (28%)	14	-19	10	2	0	0	9	69	21	42	152	59
Above Normal Years (14%)	30	-159	-3	4	1	1	-25	55	25	-15	-12	139
Below Normal Years (18%)	158	-181	-57	83	-12	-61	-56	262	96	-58	-265	167
Dry Water Years (24%)	50	-7	-135	-233	-73	-125	-76	80	127	49	38	131
Critical Water Years (16%)	408	-610	67	128	318	-285	-1,487	-1,651	-1,326	-1,678	-1,092	82

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-12-4a. Sacramento River at Collinsville Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	11,532	11,141	8,119	6,374	2,686	2,238	3,529	5,626	7,686	8,903	9,922	11,065
20% Exceedance	10,744	10,112	7,164	4,996	1,716	1,177	2,163	2,427	4,042	5,541	7,925	10,421
30% Exceedance	10,164	9,741	6,585	2,663	734	473	1,095	2,209	3,394	5,018	7,468	9,934
40% Exceedance	9,698	8,723	5,986	1,399	418	362	664	1,800	3,149	4,629	6,938	9,520
50% Exceedance	8,841	5,440	4,102	849	274	297	458	1,094	2,635	3,709	5,609	7,768
60% Exceedance	2,587	5,208	2,007	456	212	215	300	771	2,423	2,778	4,151	2,864
70% Exceedance	2,414	4,958	1,095	215	196	195	240	467	2,133	2,413	3,837	2,615
80% Exceedance	2,359	4,183	619	191	186	189	200	241	1,379	2,221	3,640	2,514
90% Exceedance	2,234	2,270	366	184	182	183	186	189	724	1,956	3,349	2,448
Full Simulation Period Average[a]	6,636	6,873	4,092	2,178	936	742	1,208	1,935	3,161	4,260	5,991	6,716
Wet Water Years (28%)	2,264	3,782	3,238	260	188	210	242	460	1,338	2,041	3,499	2,459
Above Normal Years (14%)	2,260	4,451	3,540	1,036	253	216	297	763	1,934	2,371	3,802	2,514
Below Normal Years (18%)	8,675	8,159	3,362	1,683	725	427	737	1,250	2,899	3,882	5,995	8,377
Dry Water Years (24%)	9,752	8,314	4,486	3,594	1,252	841	1,122	1,886	3,251	5,079	7,498	9,939
Critical Water Years (16%)	11,741	11,214	6,487	4,964	2,606	2,343	4,354	6,383	7,587	8,993	10,000	11,142

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-12-4b. Sacramento River at Collinsville Salinity, Alt2woTUCPAllVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	12,066	10,635	7,995	6,272	2,685	1,505	2,171	3,538	4,504	6,583	8,853	11,162
20% Exceedance	10,913	10,223	7,140	4,077	1,448	802	1,221	2,298	3,841	5,554	8,111	10,449
30% Exceedance	10,141	9,789	6,576	2,572	736	411	774	2,054	3,470	4,957	7,439	10,060
40% Exceedance	9,501	8,484	5,913	1,466	418	335	495	1,606	3,022	4,653	6,592	9,588
50% Exceedance	8,363	5,470	3,788	1,022	285	273	352	1,027	2,715	3,758	5,372	8,370
60% Exceedance	2,608	5,085	2,077	411	210	216	271	709	2,477	2,679	4,190	2,850
70% Exceedance	2,437	4,698	985	215	196	197	236	483	2,116	2,399	3,858	2,695
80% Exceedance	2,381	4,067	603	190	186	190	200	242	1,381	2,235	3,748	2,611
90% Exceedance	2,235	2,271	352	184	183	183	186	191	771	1,948	3,453	2,500
Full Simulation Period Average[a]	6,696	6,709	4,080	2,113	888	630	828	1,521	2,893	3,987	5,786	6,809
Wet Water Years (28%)	2,273	3,766	3,250	259	188	211	249	515	1,358	2,075	3,631	2,515
Above Normal Years (14%)	2,294	4,297	3,509	1,027	254	216	255	652	1,902	2,328	3,717	2,659
Below Normal Years (18%)	8,573	7,888	3,308	1,731	712	363	506	1,165	2,904	3,808	5,673	8,453
Dry Water Years (24%)	9,811	8,222	4,403	3,408	1,174	700	862	1,658	3,234	5,162	7,543	10,070
Critical Water Years (16%)	12,119	10,778	6,609	4,797	2,436	1,922	2,653	4,237	5,919	7,225	8,861	11,213

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-12-4c. Sacramento River at Collinsville Salinity, Alt2woTUCPAllVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	534	-505	-124	-102	-1	-732	-1,357	-2,088	-3,182	-2,320	-1,069	97
20% Exceedance	169	111	-24	-919	-267	-375	-942	-129	-201	14	185	28
30% Exceedance	-23	48	-9	-91	2	-62	-322	-155	76	-61	-28	126
40% Exceedance	-197	-239	-73	66	0	-26	-169	-194	-127	24	-346	68
50% Exceedance	-477	31	-315	173	10	-23	-107	-67	80	49	-237	602
60% Exceedance	21	-123	70	-45	-2	2	-28	-62	54	-99	39	-14
70% Exceedance	24	-260	-109	0	0	2	-4	16	-16	-14	20	80
80% Exceedance	22	-116	-16	-1	0	1	0	1	2	14	108	97
90% Exceedance	0	0	-14	0	1	0	0	3	47	-8	103	53
Full Simulation Period Average[a]	60	-164	-13	-64	-48	-112	-380	-414	-269	-273	-204	92
Wet Water Years (28%)	9	-16	12	-1	0	1	7	55	21	35	131	56
Above Normal Years (14%)	35	-155	-31	-9	1	0	-42	-111	-32	-44	-85	145
Below Normal Years (18%)	-102	-271	-54	49	-13	-64	-231	-85	4	-74	-322	75
Dry Water Years (24%)	59	-92	-83	-186	-78	-141	-260	-228	-17	82	45	131
Critical Water Years (16%)	378	-436	122	-167	-170	-421	-1,701	-2,146	-1,668	-1,768	-1,139	71

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-12-5a. Sacramento River at Collinsville Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	11,532	11,141	8,119	6,374	2,686	2,238	3,529	5,626	7,686	8,903	9,922	11,065
20% Exceedance	10,744	10,112	7,164	4,996	1,716	1,177	2,163	2,427	4,042	5,541	7,925	10,421
30% Exceedance	10,164	9,741	6,585	2,663	734	473	1,095	2,209	3,394	5,018	7,468	9,934
40% Exceedance	9,698	8,723	5,986	1,399	418	362	664	1,800	3,149	4,629	6,938	9,520
50% Exceedance	8,841	5,440	4,102	849	274	297	458	1,094	2,635	3,709	5,609	7,768
60% Exceedance	2,587	5,208	2,007	456	212	215	300	771	2,423	2,778	4,151	2,864
70% Exceedance	2,414	4,958	1,095	215	196	195	240	467	2,133	2,413	3,837	2,615
80% Exceedance	2,359	4,183	619	191	186	189	200	241	1,379	2,221	3,640	2,514
90% Exceedance	2,234	2,270	366	184	182	183	186	189	724	1,956	3,349	2,448
Full Simulation Period Average[a]	6,636	6,873	4,092	2,178	936	742	1,208	1,935	3,161	4,260	5,991	6,716
Wet Water Years (28%)	2,264	3,782	3,238	260	188	210	242	460	1,338	2,041	3,499	2,459
Above Normal Years (14%)	2,260	4,451	3,540	1,036	253	216	297	763	1,934	2,371	3,802	2,514
Below Normal Years (18%)	8,675	8,159	3,362	1,683	725	427	737	1,250	2,899	3,882	5,995	8,377
Dry Water Years (24%)	9,752	8,314	4,486	3,594	1,252	841	1,122	1,886	3,251	5,079	7,498	9,939
Critical Water Years (16%)	11,741	11,214	6,487	4,964	2,606	2,343	4,354	6,383	7,587	8,993	10,000	11,142

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-12-5b. Sacramento River at Collinsville Salinity, Alt2wTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	11,477	10,923	8,060	6,325	2,437	2,268	2,965	5,356	8,053	8,969	9,747	11,067
20% Exceedance	10,843	10,265	7,281	4,312	1,587	1,218	2,210	2,584	3,965	5,799	8,064	10,431
30% Exceedance	10,298	9,806	6,588	2,725	627	477	1,130	2,432	3,554	4,904	7,619	10,109
40% Exceedance	9,879	8,891	5,820	1,468	420	357	726	2,079	3,255	4,563	6,576	9,412
50% Exceedance	8,750	5,446	4,015	781	281	299	476	1,443	2,631	3,551	5,451	8,313
60% Exceedance	2,608	5,161	2,067	434	210	215	328	904	2,463	2,749	4,205	2,874
70% Exceedance	2,439	4,789	1,014	214	196	195	240	519	2,251	2,488	3,919	2,710
80% Exceedance	2,365	4,065	574	190	186	189	201	255	1,362	2,271	3,789	2,621
90% Exceedance	2,217	2,318	366	184	183	183	185	191	716	1,962	3,609	2,518
Full Simulation Period Average[a]	6,683	6,801	4,039	2,088	936	751	1,224	2,044	3,169	4,239	5,989	6,802
Wet Water Years (28%)	2,274	3,776	3,223	251	187	211	256	531	1,343	2,107	3,663	2,520
Above Normal Years (14%)	2,283	4,309	3,601	1,030	253	216	317	915	1,924	2,400	3,838	2,674
Below Normal Years (18%)	8,813	7,957	3,343	1,733	708	420	804	1,528	2,963	3,752	5,705	8,456
Dry Water Years (24%)	9,804	8,351	4,484	3,325	1,123	829	1,173	2,033	3,362	5,128	7,563	10,078
Critical Water Years (16%)	11,766	11,074	6,124	4,770	2,820	2,423	4,259	6,276	7,395	8,795	9,901	11,130

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-12-5c. Sacramento River at Collinsville Salinity, Alt2wTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-55	-218	-59	-49	-249	30	-563	-270	367	66	-174	2
20% Exceedance	100	153	118	-683	-129	41	46	156	-78	258	139	10
30% Exceedance	134	65	2	62	-107	4	34	223	160	-114	151	175
40% Exceedance	181	168	-166	69	2	-5	62	279	106	-66	-362	-108
50% Exceedance	-91	7	-87	-69	7	3	18	348	-3	-158	-158	545
60% Exceedance	21	-47	60	-22	-1	0	29	132	40	-29	54	9
70% Exceedance	26	-169	-81	-1	0	0	0	52	118	75	81	95
80% Exceedance	5	-119	-45	-1	0	0	1	14	-17	50	149	107
90% Exceedance	-17	48	0	0	0	0	0	2	-8	6	260	70
Full Simulation Period Average[a]	47	-72	-54	-90	0	9	16	109	7	-21	-1	86
Wet Water Years (28%)	9	-6	-15	-10	0	1	14	71	5	66	164	62
Above Normal Years (14%)	23	-142	61	-6	0	0	20	152	-10	29	37	161
Below Normal Years (18%)	139	-203	-19	50	-17	-7	67	278	64	-129	-290	79
Dry Water Years (24%)	52	36	-2	-268	-129	-12	52	147	110	49	65	139
Critical Water Years (16%)	25	-140	-363	-194	215	80	-96	-107	-192	-198	-99	-12

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-12-6a. Sacramento River at Collinsville Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	11,532	11,141	8,119	6,374	2,686	2,238	3,529	5,626	7,686	8,903	9,922	11,065
20% Exceedance	10,744	10,112	7,164	4,996	1,716	1,177	2,163	2,427	4,042	5,541	7,925	10,421
30% Exceedance	10,164	9,741	6,585	2,663	734	473	1,095	2,209	3,394	5,018	7,468	9,934
40% Exceedance	9,698	8,723	5,986	1,399	418	362	664	1,800	3,149	4,629	6,938	9,520
50% Exceedance	8,841	5,440	4,102	849	274	297	458	1,094	2,635	3,709	5,609	7,768
60% Exceedance	2,587	5,208	2,007	456	212	215	300	771	2,423	2,778	4,151	2,864
70% Exceedance	2,414	4,958	1,095	215	196	195	240	467	2,133	2,413	3,837	2,615
80% Exceedance	2,359	4,183	619	191	186	189	200	241	1,379	2,221	3,640	2,514
90% Exceedance	2,234	2,270	366	184	182	183	186	189	724	1,956	3,349	2,448
Full Simulation Period Average[a]	6,636	6,873	4,092	2,178	936	742	1,208	1,935	3,161	4,260	5,991	6,716
Wet Water Years (28%)	2,264	3,782	3,238	260	188	210	242	460	1,338	2,041	3,499	2,459
Above Normal Years (14%)	2,260	4,451	3,540	1,036	253	216	297	763	1,934	2,371	3,802	2,514
Below Normal Years (18%)	8,675	8,159	3,362	1,683	725	427	737	1,250	2,899	3,882	5,995	8,377
Dry Water Years (24%)	9,752	8,314	4,486	3,594	1,252	841	1,122	1,886	3,251	5,079	7,498	9,939
Critical Water Years (16%)	11,741	11,214	6,487	4,964	2,606	2,343	4,354	6,383	7,587	8,993	10,000	11,142

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-12-6b. Sacramento River at Collinsville Salinity, Alternative 3, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	11,262	10,827	8,323	3,962	1,487	1,329	1,943	3,382	5,017	5,683	6,975	9,612
20% Exceedance	8,861	9,787	5,641	2,383	757	684	982	2,163	3,411	5,057	4,763	6,160
30% Exceedance	8,320	9,119	3,384	1,438	390	355	756	1,488	3,217	4,368	4,406	5,692
40% Exceedance	7,036	8,390	2,319	659	291	283	518	1,062	2,760	4,092	4,232	5,541
50% Exceedance	6,531	4,441	1,602	384	237	230	311	676	2,484	3,787	4,045	5,394
60% Exceedance	2,642	2,705	1,001	301	211	211	237	344	2,295	3,632	3,758	2,670
70% Exceedance	2,382	2,435	623	201	194	197	213	260	1,970	3,019	3,564	2,559
80% Exceedance	2,286	2,360	359	190	186	191	197	207	1,543	2,525	3,043	2,468
90% Exceedance	2,206	2,114	226	184	183	184	186	179	987	2,088	2,875	2,387
Full Simulation Period Average[a]	5,765	5,835	2,826	1,289	607	522	818	1,377	2,672	3,875	4,314	4,954
Wet Water Years (28%)	2,153	2,189	1,469	225	188	199	225	288	1,411	2,134	2,864	2,346
Above Normal Years (14%)	2,258	2,233	1,350	391	206	202	268	416	2,064	3,605	3,706	2,490
Below Normal Years (18%)	6,348	7,326	3,044	984	413	274	443	978	2,892	4,564	4,506	5,485
Dry Water Years (24%)	8,111	7,965	4,109	1,785	687	508	704	1,388	2,627	3,892	4,146	5,771
Critical Water Years (16%)	11,564	11,043	4,521	3,537	1,790	1,669	2,930	4,557	5,235	6,358	7,420	9,848

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-12-6c. Sacramento River at Collinsville Salinity, Alternative 3 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-270	-314	204	-2,413	-1,199	-909	-1,586	-2,245	-2,669	-3,220	-2,947	-1,453
20% Exceedance	-1,883	-325	-1,523	-2,612	-959	-493	-1,182	-264	-631	-484	-3,163	-4,261
30% Exceedance	-1,844	-622	-3,201	-1,225	-344	-118	-340	-721	-178	-651	-3,062	-4,242
40% Exceedance	-2,662	-333	-3,667	-740	-127	-79	-146	-738	-389	-537	-2,706	-3,979
50% Exceedance	-2,310	-998	-2,500	-465	-37	-67	-148	-418	-150	78	-1,564	-2,374
60% Exceedance	55	-2,503	-1,006	-155	-1	-4	-63	-427	-128	854	-393	-195
70% Exceedance	-32	-2,523	-471	-14	-2	2	-28	-207	-163	606	-274	-56
80% Exceedance	-74	-1,823	-260	-1	0	2	-3	-34	164	304	-597	-46
90% Exceedance	-28	-156	-141	0	0	1	0	-10	263	132	-475	-60
Full Simulation Period Average[a]	-871	-1,038	-1,267	-889	-329	-220	-390	-557	-489	-385	-1,676	-1,763
Wet Water Years (28%)	-112	-1,593	-1,769	-35	0	-11	-16	-172	73	93	-635	-112
Above Normal Years (14%)	-1	-2,218	-2,190	-645	-47	-14	-29	-347	130	1,233	-96	-23
Below Normal Years (18%)	-2,326	-834	-318	-699	-312	-152	-294	-272	-8	683	-1,488	-2,892
Dry Water Years (24%)	-1,641	-349	-377	-1,809	-565	-333	-417	-498	-625	-1,187	-3,352	-4,168
Critical Water Years (16%)	-177	-171	-1,966	-1,428	-816	-674	-1,424	-1,826	-2,352	-2,635	-2,580	-1,294

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-12-7a. Sacramento River at Collinsville Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	11,532	11,141	8,119	6,374	2,686	2,238	3,529	5,626	7,686	8,903	9,922	11,065
20% Exceedance	10,744	10,112	7,164	4,996	1,716	1,177	2,163	2,427	4,042	5,541	7,925	10,421
30% Exceedance	10,164	9,741	6,585	2,663	734	473	1,095	2,209	3,394	5,018	7,468	9,934
40% Exceedance	9,698	8,723	5,986	1,399	418	362	664	1,800	3,149	4,629	6,938	9,520
50% Exceedance	8,841	5,440	4,102	849	274	297	458	1,094	2,635	3,709	5,609	7,768
60% Exceedance	2,587	5,208	2,007	456	212	215	300	771	2,423	2,778	4,151	2,864
70% Exceedance	2,414	4,958	1,095	215	196	195	240	467	2,133	2,413	3,837	2,615
80% Exceedance	2,359	4,183	619	191	186	189	200	241	1,379	2,221	3,640	2,514
90% Exceedance	2,234	2,270	366	184	182	183	186	189	724	1,956	3,349	2,448
Full Simulation Period Average[a]	6,636	6,873	4,092	2,178	936	742	1,208	1,935	3,161	4,260	5,991	6,716
Wet Water Years (28%)	2,264	3,782	3,238	260	188	210	242	460	1,338	2,041	3,499	2,459
Above Normal Years (14%)	2,260	4,451	3,540	1,036	253	216	297	763	1,934	2,371	3,802	2,514
Below Normal Years (18%)	8,675	8,159	3,362	1,683	725	427	737	1,250	2,899	3,882	5,995	8,377
Dry Water Years (24%)	9,752	8,314	4,486	3,594	1,252	841	1,122	1,886	3,251	5,079	7,498	9,939
Critical Water Years (16%)	11,741	11,214	6,487	4,964	2,606	2,343	4,354	6,383	7,587	8,993	10,000	11,142

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-12-7b. Sacramento River at Collinsville Salinity, Alternative 4, Monthly Electrical Conductivity (UMHOS/CM)

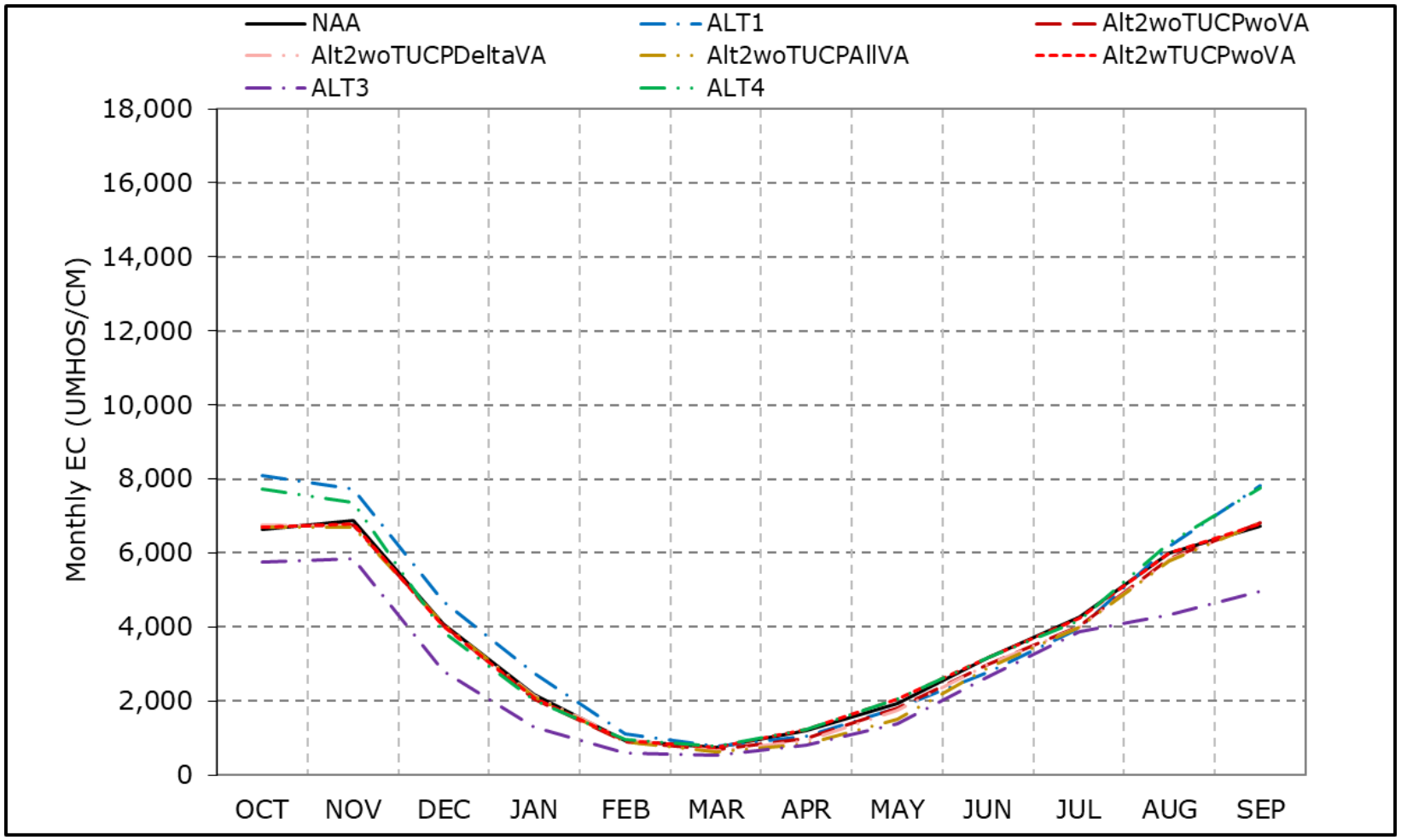
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	11,581	10,839	8,102	6,250	2,700	2,350	2,984	5,364	8,083	8,790	9,462	11,066
20% Exceedance	10,757	10,176	7,051	4,472	1,681	1,263	2,240	2,578	3,932	5,376	7,686	10,421
30% Exceedance	10,401	9,739	6,139	2,512	724	469	1,112	2,430	3,544	4,852	7,235	9,975
40% Exceedance	9,819	8,808	4,880	1,145	414	357	718	2,080	3,279	4,319	6,604	9,452
50% Exceedance	8,417	7,281	3,594	733	289	299	475	1,467	2,639	3,519	5,403	8,435
60% Exceedance	5,359	6,854	2,065	362	210	215	322	952	2,462	2,746	4,996	5,561
70% Exceedance	5,019	6,163	990	213	196	195	240	521	2,253	2,452	4,825	5,271
80% Exceedance	4,900	5,080	578	190	186	189	200	256	1,360	2,286	4,717	5,053
90% Exceedance	4,583	2,591	351	184	183	183	185	191	714	1,951	4,511	4,822
Full Simulation Period Average[a]	7,714	7,363	3,868	2,014	957	769	1,227	2,055	3,190	4,172	6,266	7,749
Wet Water Years (28%)	4,574	5,048	2,764	246	188	211	257	532	1,337	2,096	4,464	4,691
Above Normal Years (14%)	4,778	5,693	3,355	676	239	216	318	920	1,929	2,379	4,841	5,228
Below Normal Years (18%)	8,770	7,966	3,336	1,528	725	417	772	1,544	2,995	3,631	5,589	8,421
Dry Water Years (24%)	9,870	8,338	4,438	3,420	1,302	870	1,157	2,035	3,365	4,953	7,309	10,010
Critical Water Years (16%)	11,794	11,068	6,167	4,717	2,675	2,473	4,336	6,318	7,496	8,812	9,866	11,158

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-12-7c. Sacramento River at Collinsville Salinity, Alternative 4 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

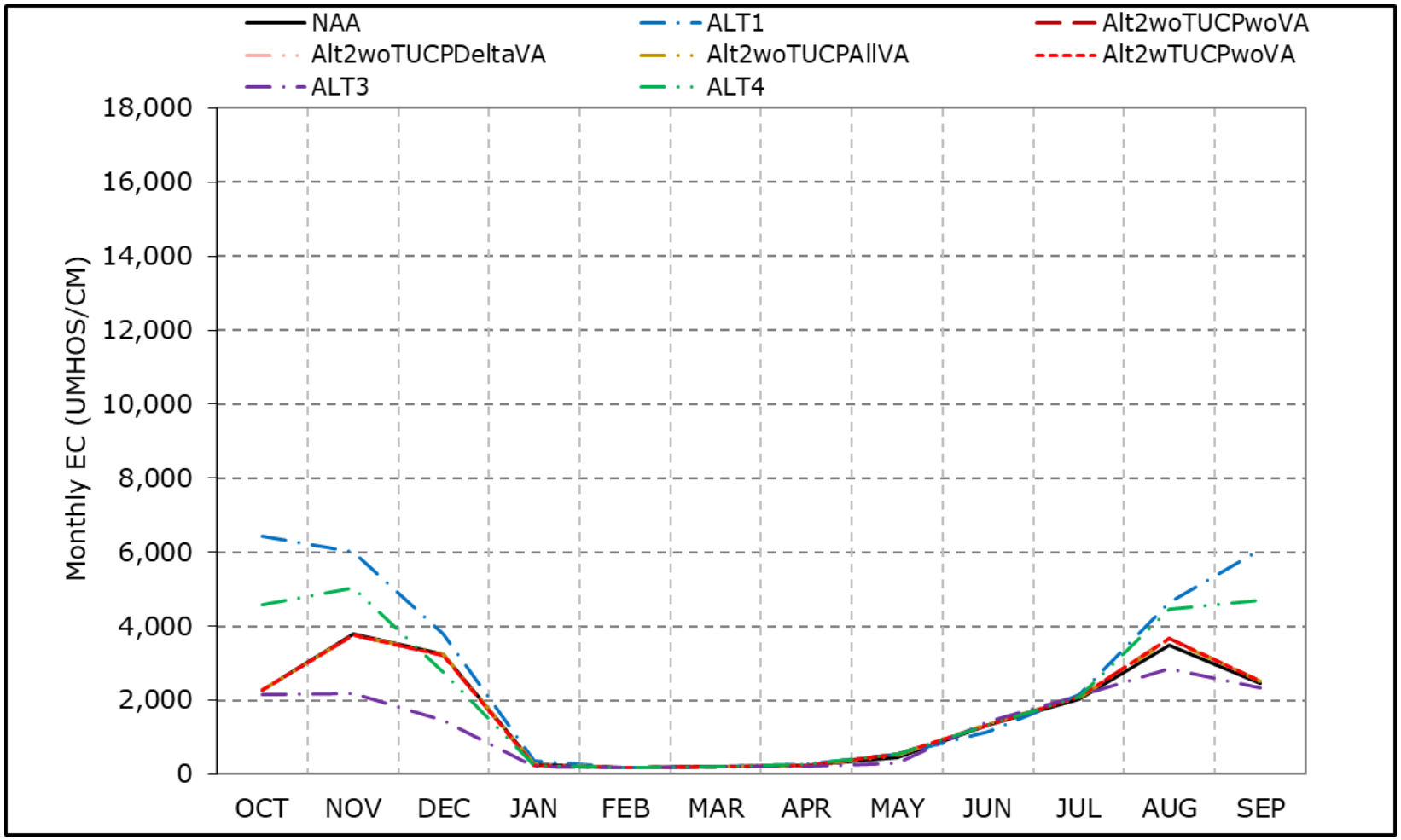
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	49	-302	-17	-124	14	112	-544	-262	397	-113	-459	1
20% Exceedance	13	64	-113	-523	-34	86	77	151	-110	-165	-239	0
30% Exceedance	237	-2	-446	-151	-10	-3	17	221	150	-166	-233	41
40% Exceedance	121	86	-1,106	-255	-4	-5	54	280	130	-310	-334	-68
50% Exceedance	-423	1,841	-509	-116	15	3	17	373	4	-190	-206	668
60% Exceedance	2,772	1,646	59	-94	-2	0	23	180	40	-32	846	2,697
70% Exceedance	2,605	1,205	-104	-2	-1	0	0	54	120	39	987	2,656
80% Exceedance	2,541	897	-41	-1	0	0	0	14	-19	65	1,077	2,539
90% Exceedance	2,349	321	-16	0	0	0	0	2	-9	-5	1,162	2,375
Full Simulation Period Average[a]	1,078	490	-224	-164	21	27	19	120	29	-88	276	1,033
Wet Water Years (28%)	2,310	1,266	-474	-15	0	2	15	72	-1	55	965	2,233
Above Normal Years (14%)	2,519	1,242	-186	-359	-14	0	21	157	-4	7	1,039	2,715
Below Normal Years (18%)	95	-193	-25	-154	0	-10	35	294	96	-251	-405	43
Dry Water Years (24%)	118	24	-48	-174	50	29	36	149	113	-127	-189	71
Critical Water Years (16%)	53	-146	-319	-247	69	130	-18	-65	-91	-181	-134	16

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



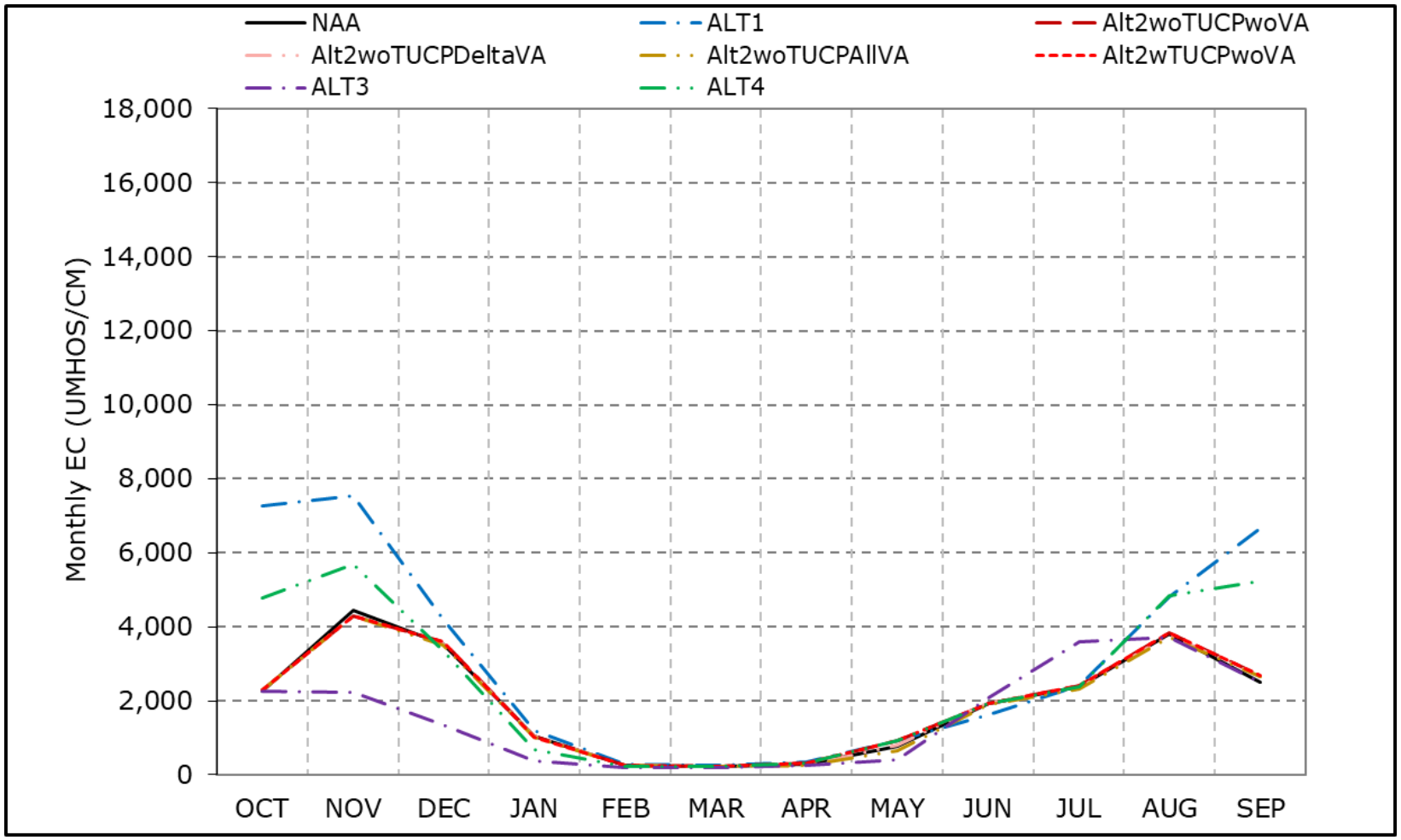
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-12-1. Sacramento River at Collinsville Salinity, Long-Term Average Electrical Conductivity



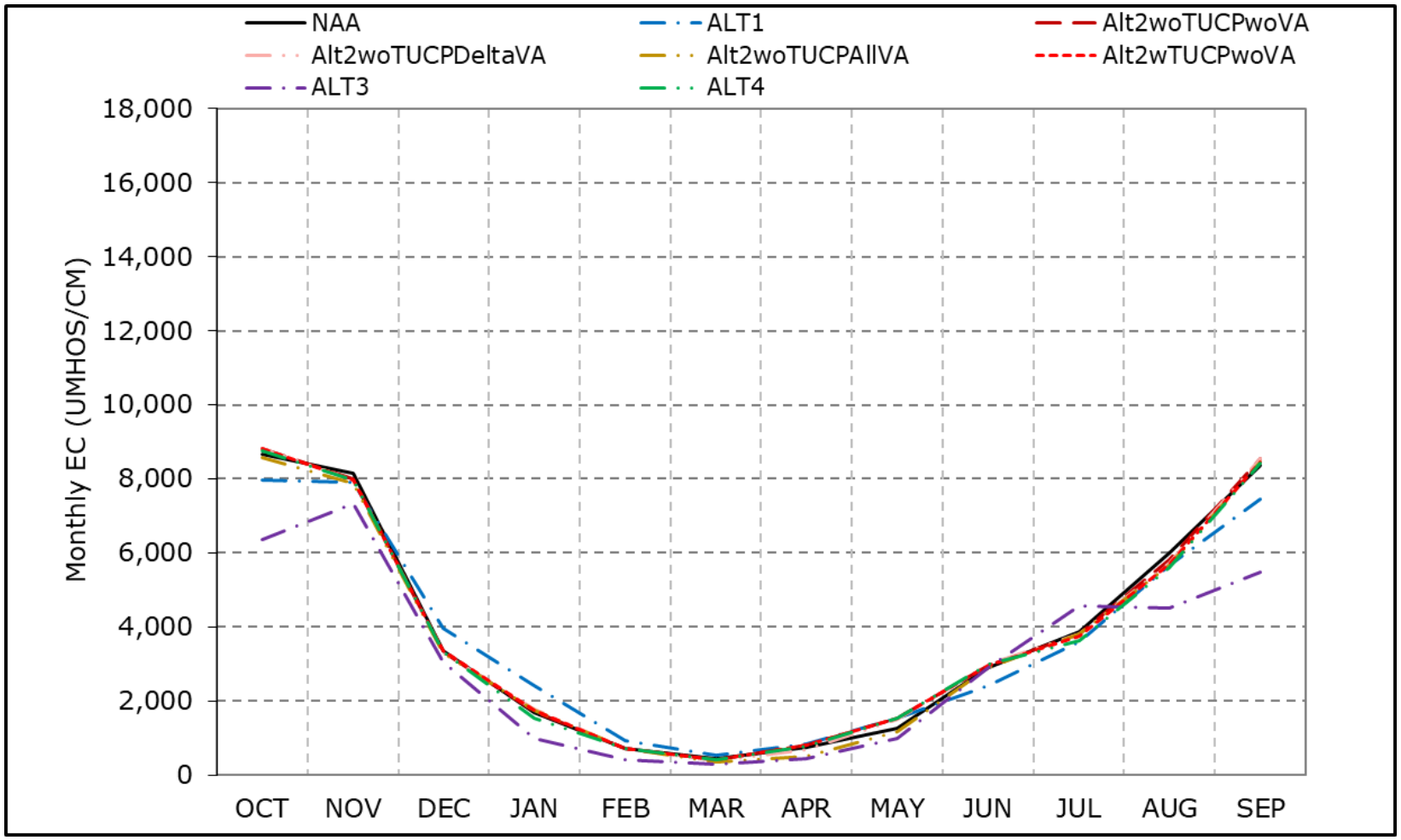
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-12-2. Sacramento River at Collinsville Salinity, Wet Year Average Electrical Conductivity



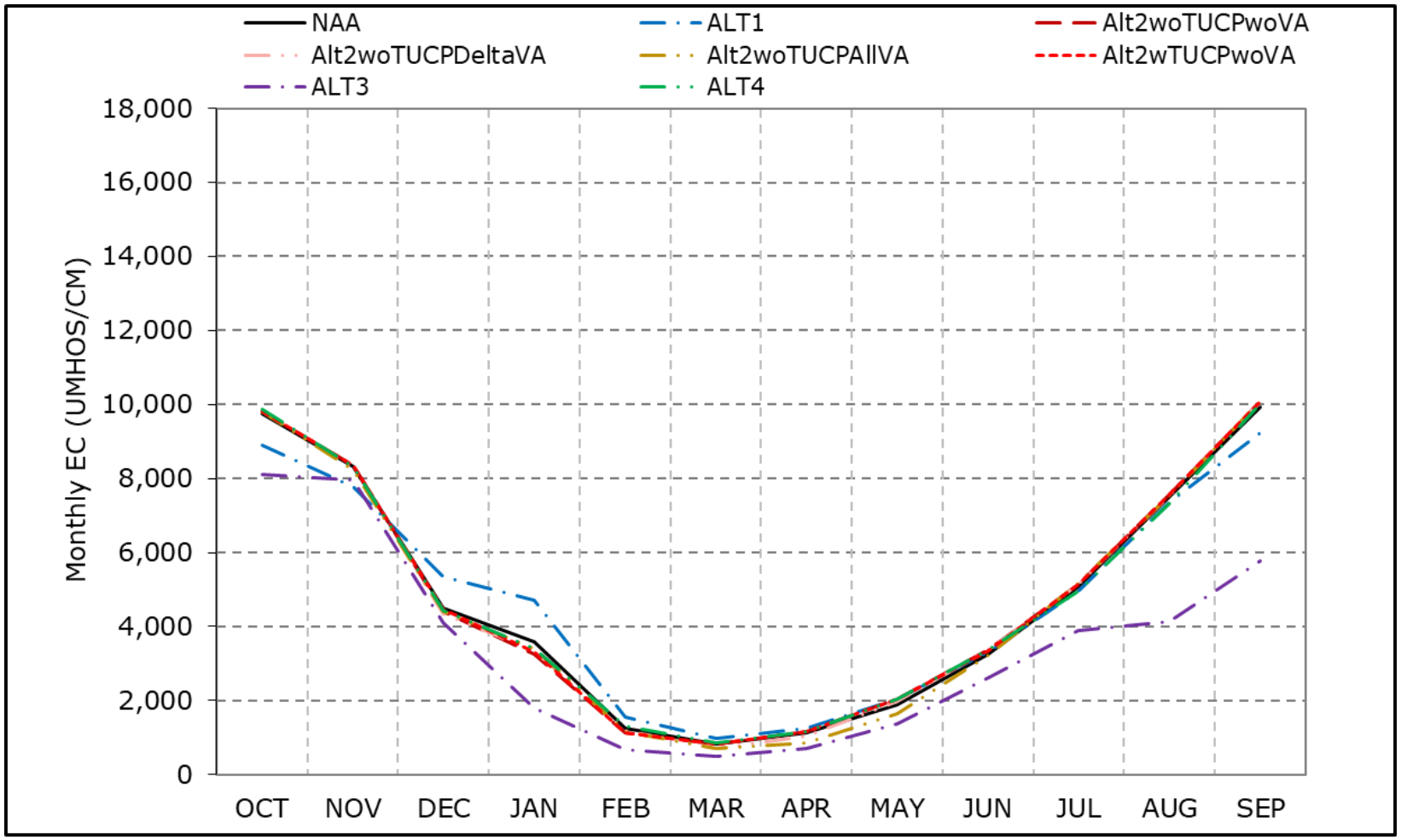
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-12-3. Sacramento River at Collinsville Salinity, Above Normal Year Average Electrical Conductivity



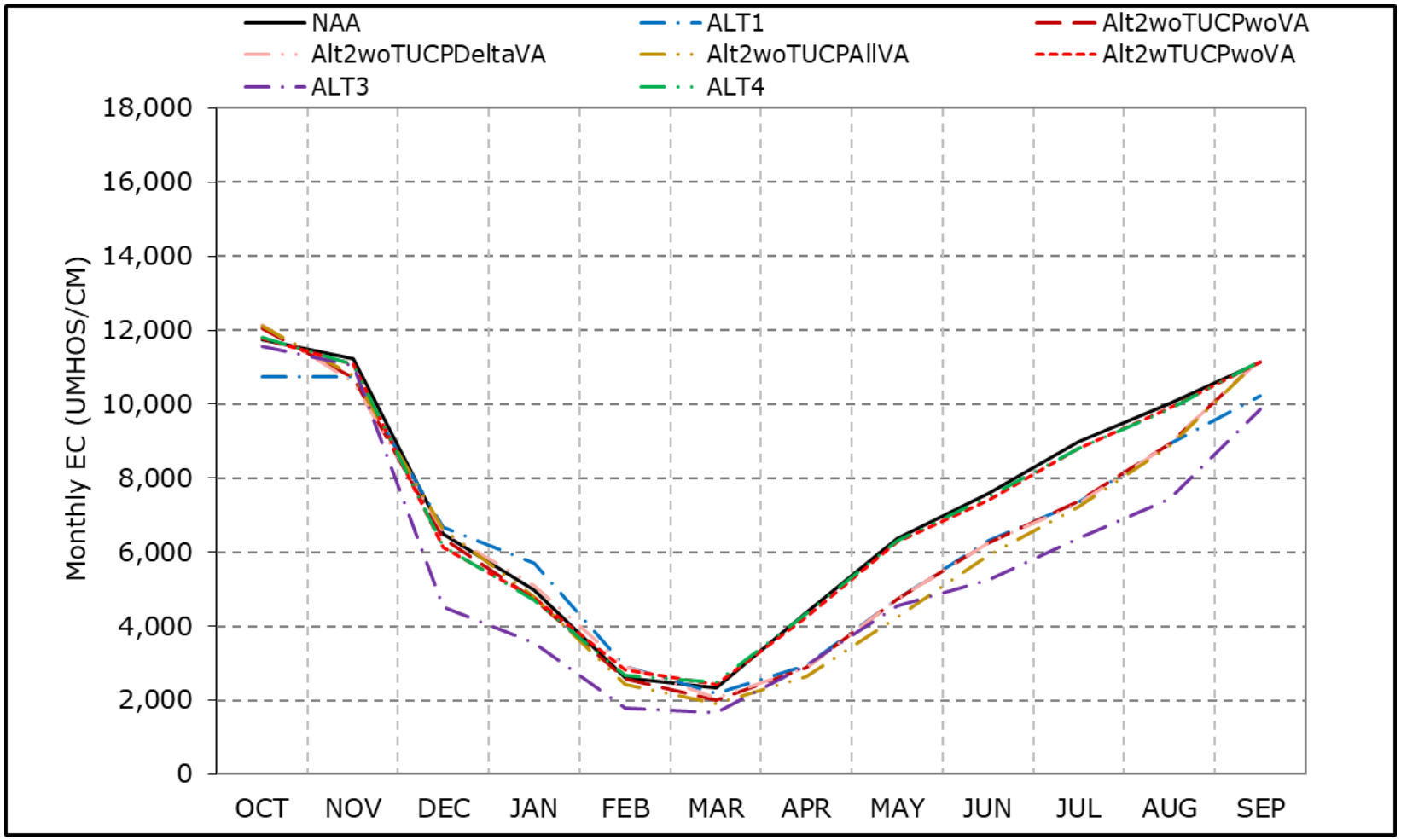
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-12-4. Sacramento River at Collinsville Salinity, Below Normal Year Average Electrical Conductivity



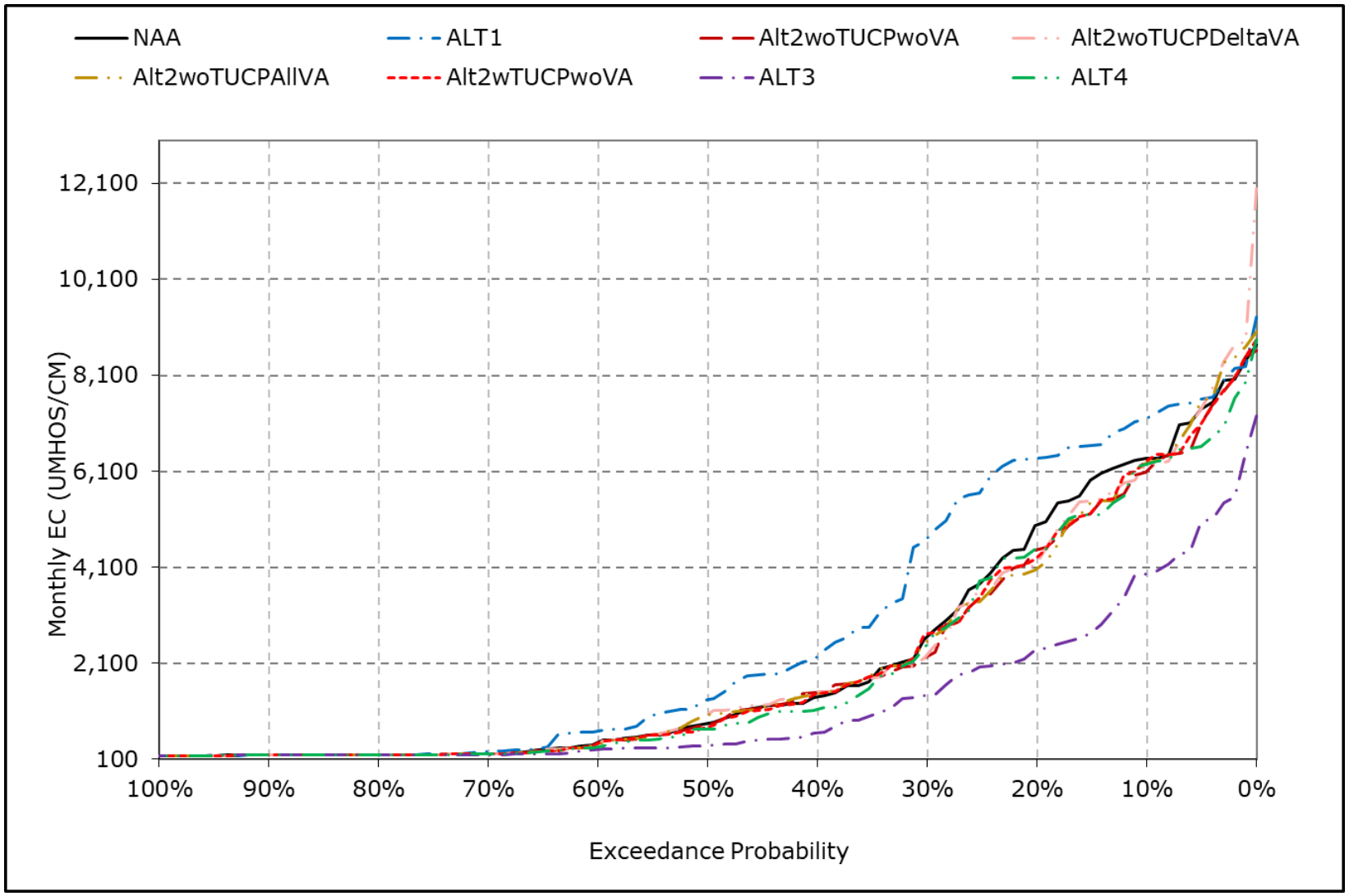
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-12-5. Sacramento River at Collinsville Salinity, Dry Year Average Electrical Conductivity



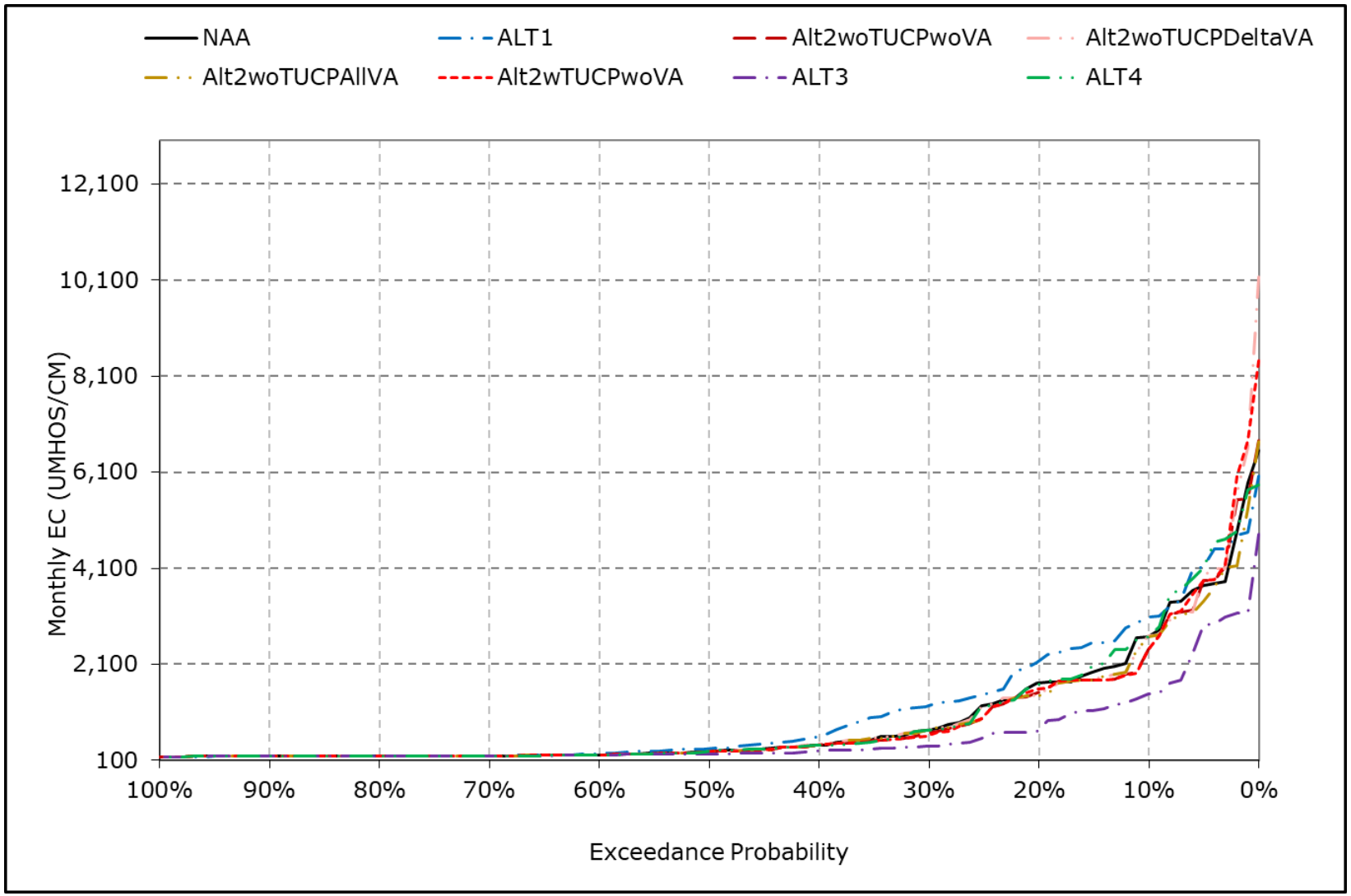
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-12-6. Sacramento River at Collinsville Salinity, Critical Year Average Electrical Conductivity



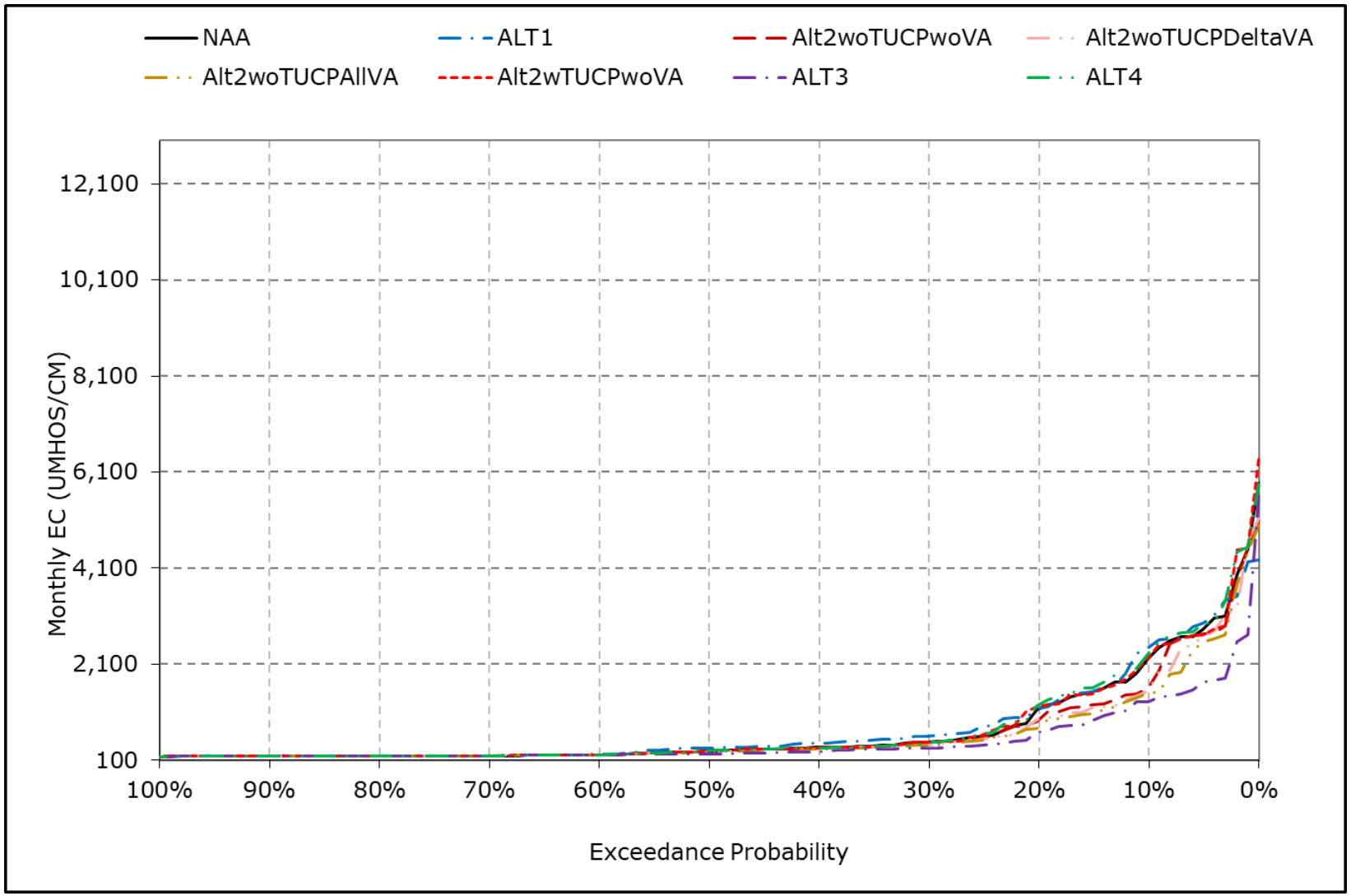
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-12-7. Sacramento River at Collinsville Salinity, January Electrical Conductivity



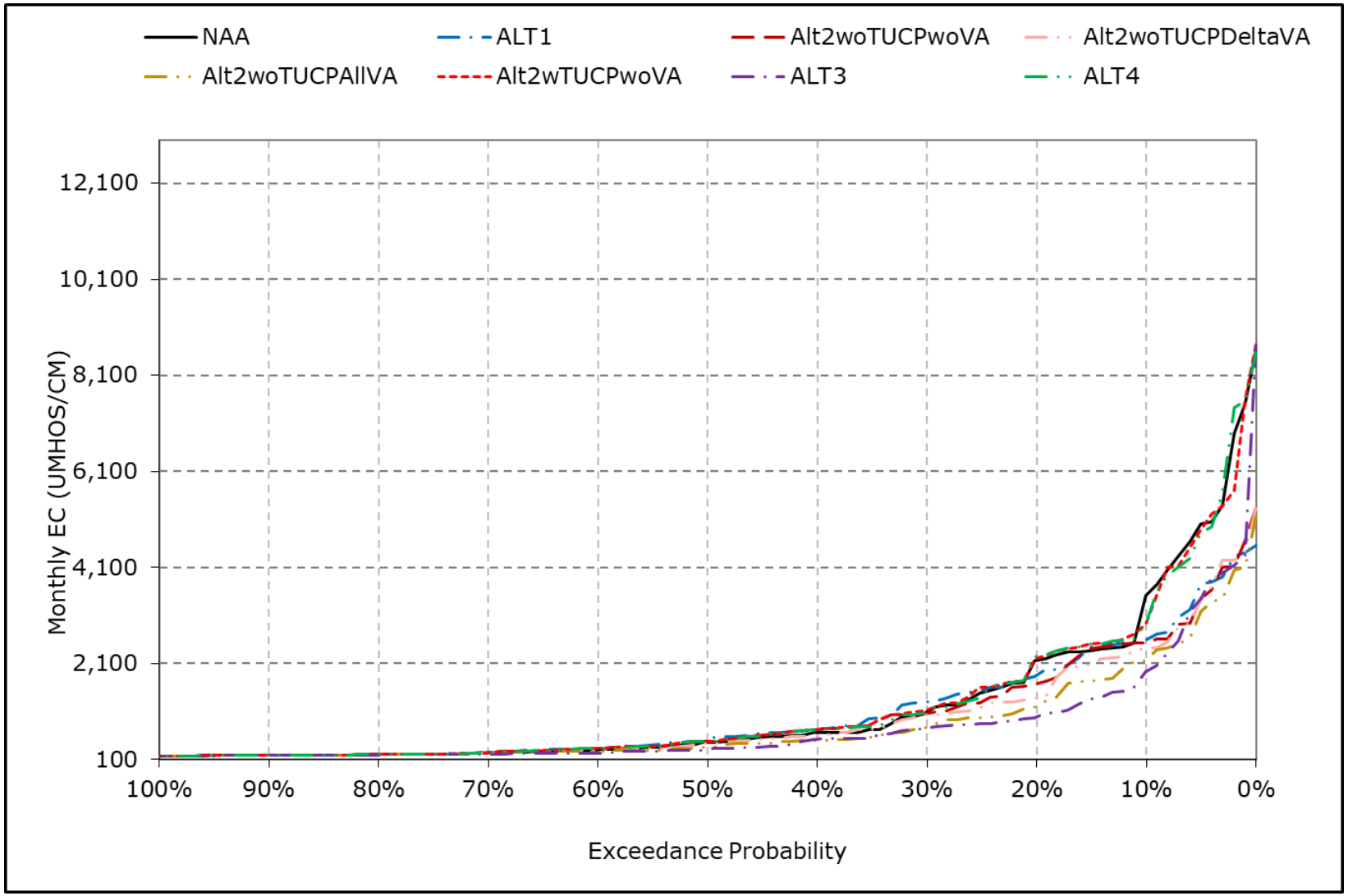
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-12-8. Sacramento River at Collinsville Salinity, February Electrical Conductivity



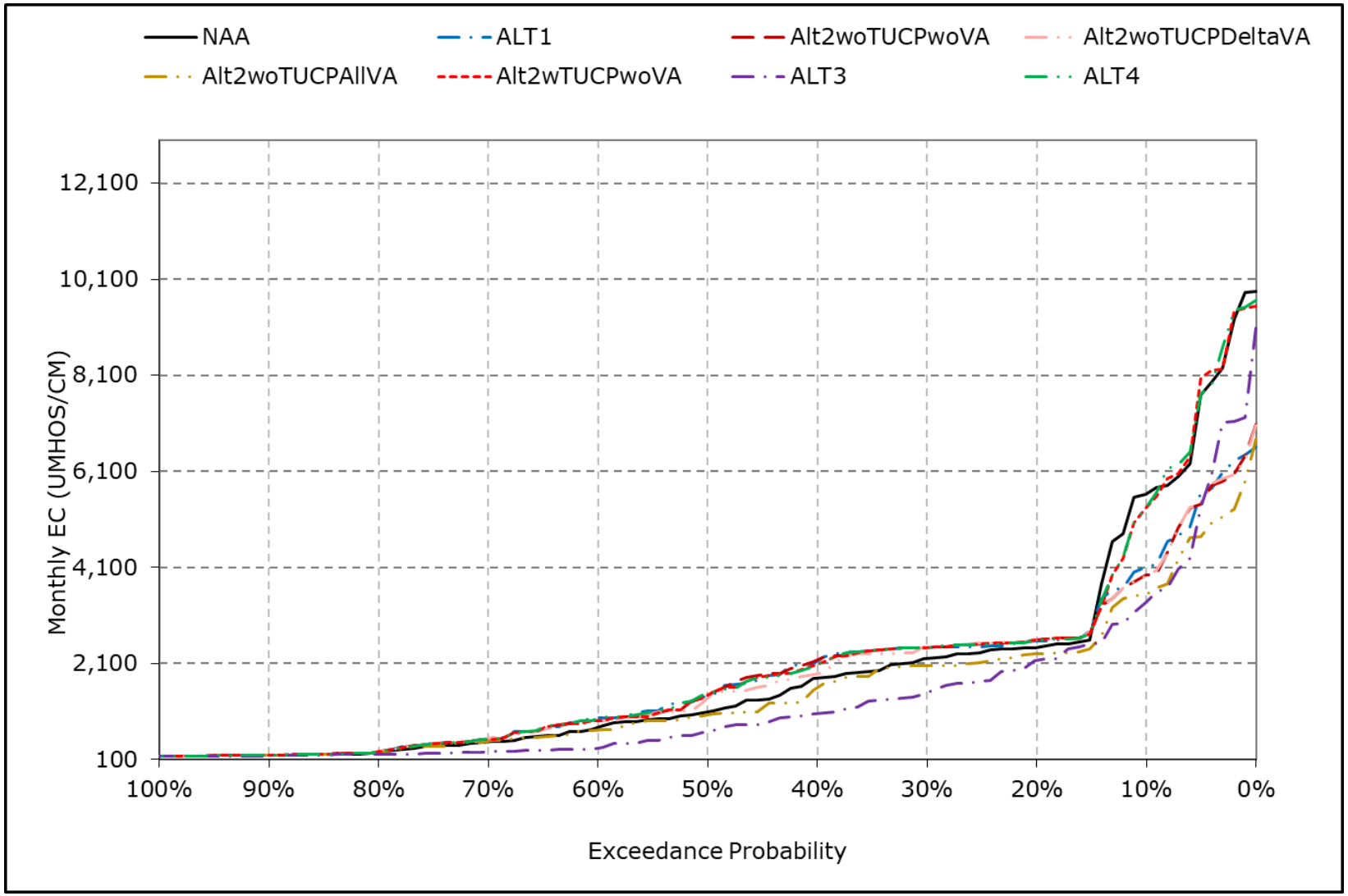
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-12-9. Sacramento River at Collinsville Salinity, March Electrical Conductivity



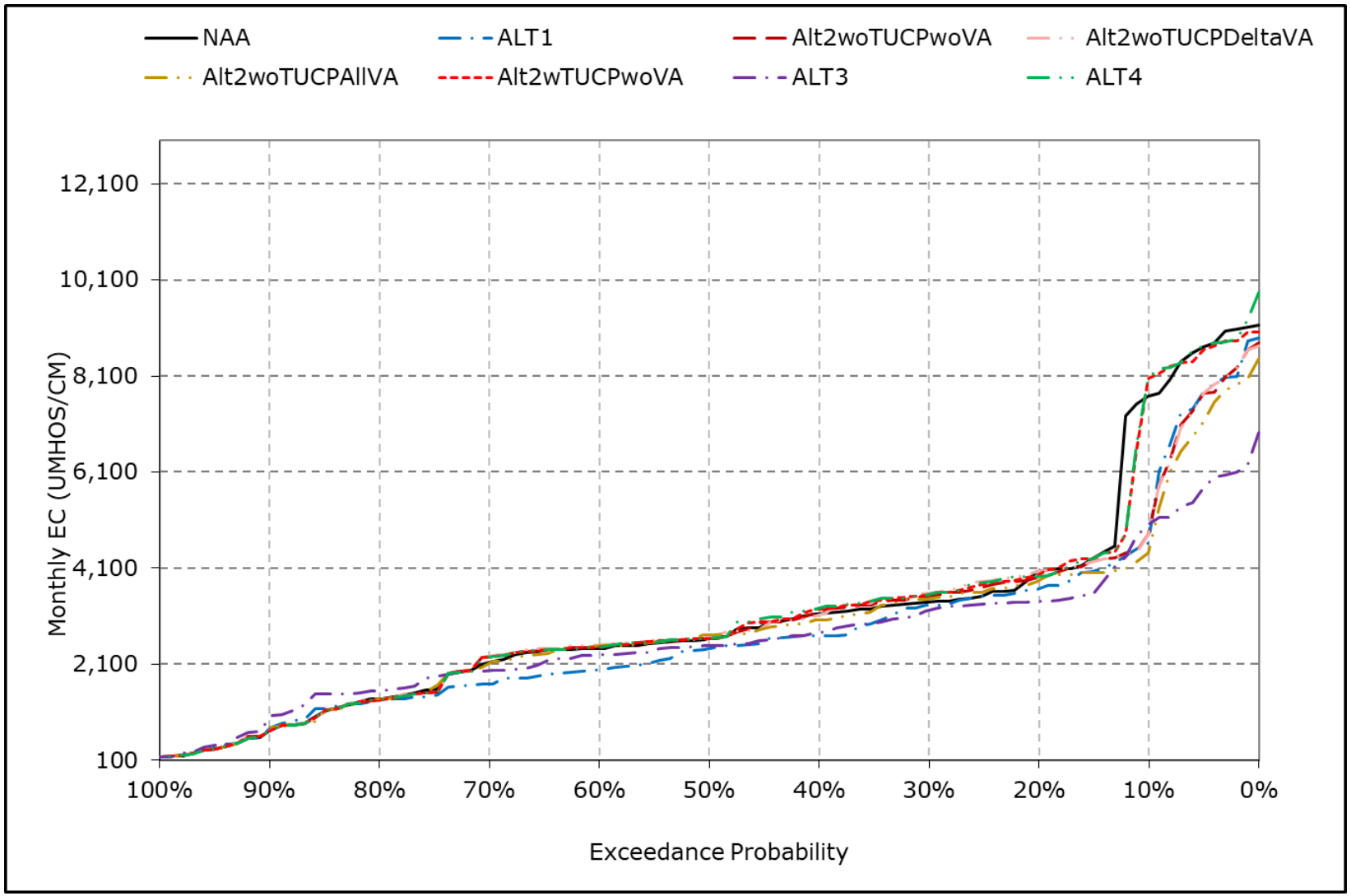
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-12-10. Sacramento River at Collinsville Salinity, April Electrical Conductivity



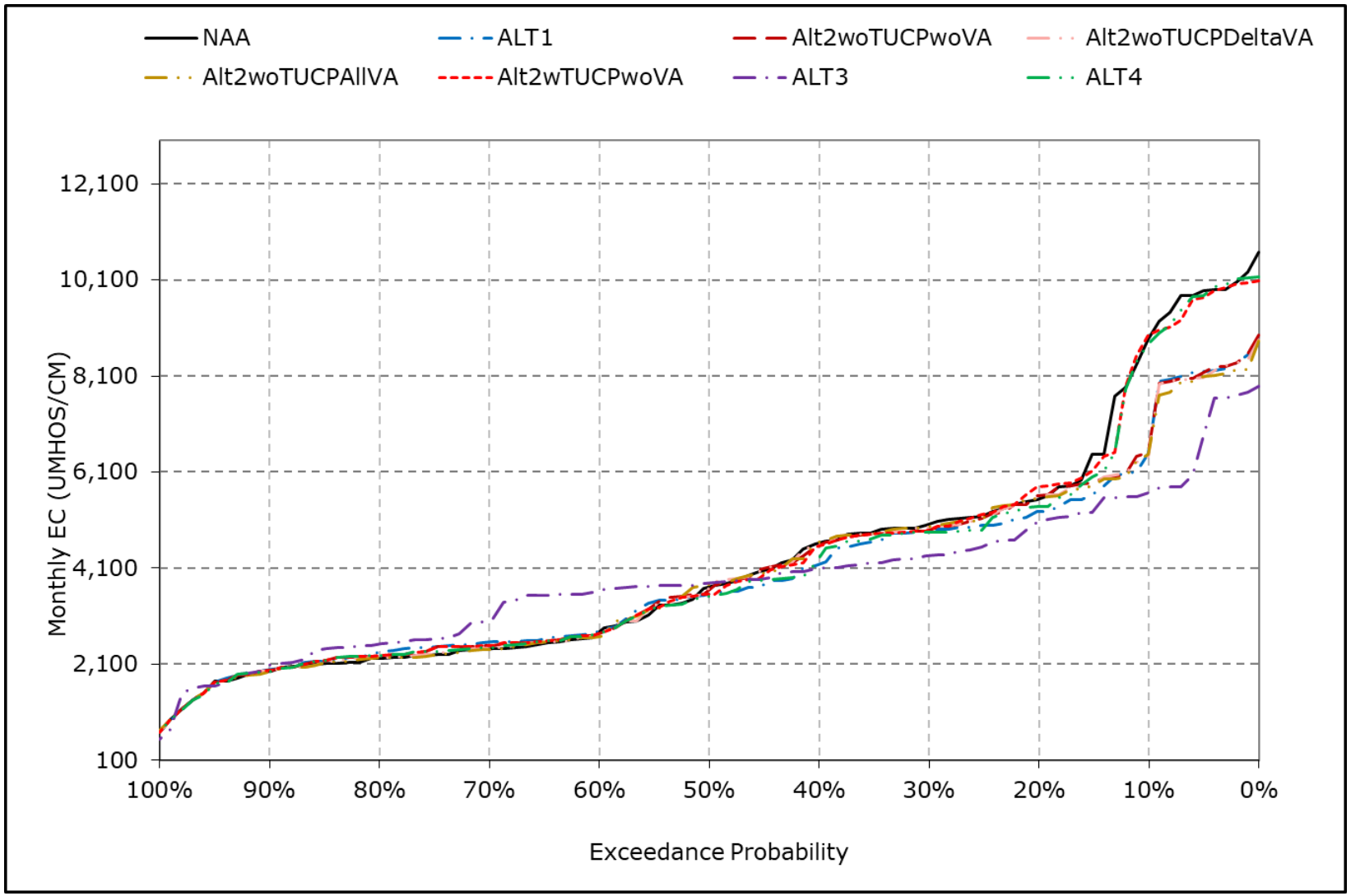
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-12-11. Sacramento River at Collinsville Salinity, May Electrical Conductivity



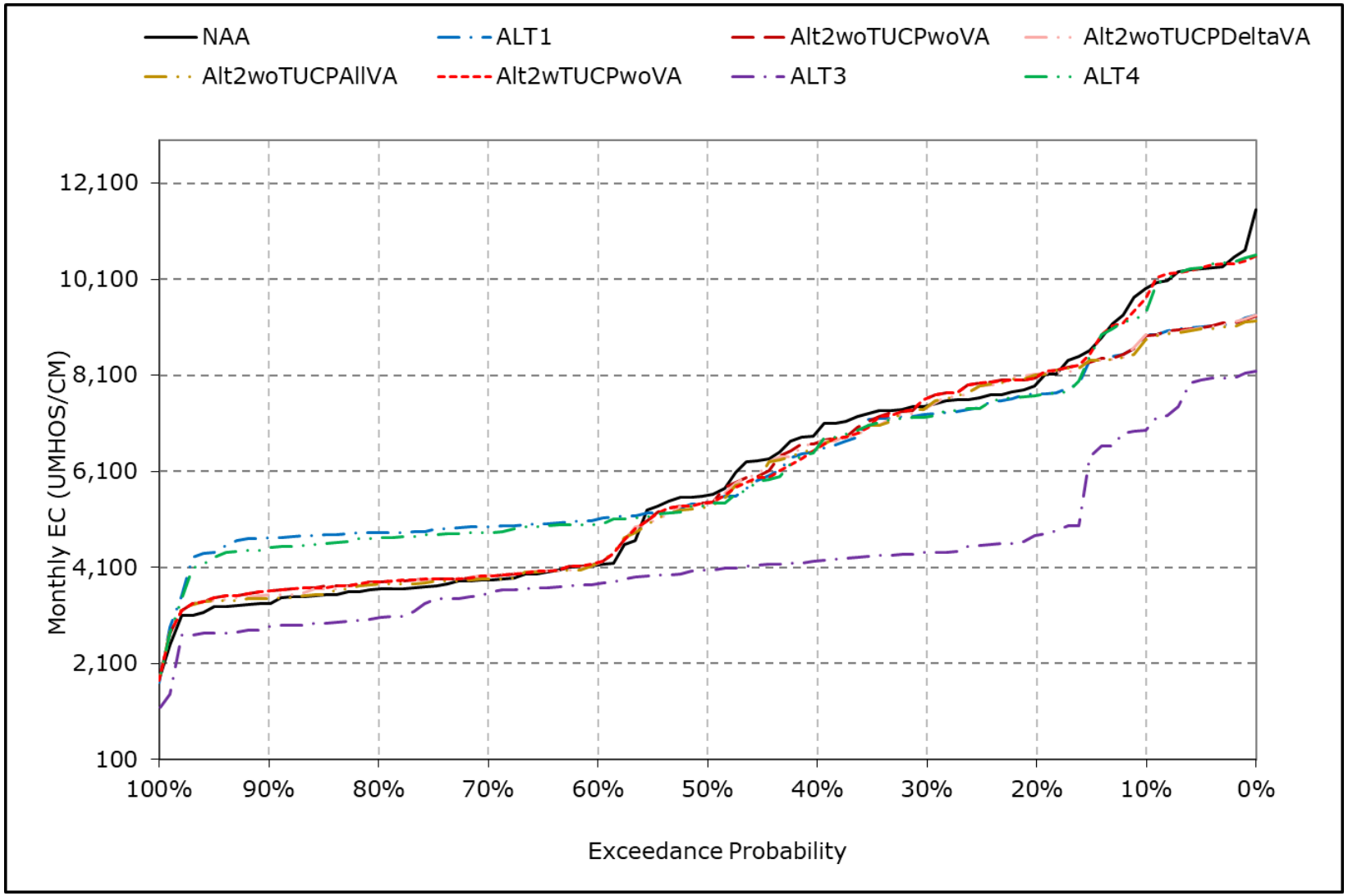
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-12-12. Sacramento River at Collinsville Salinity, June Electrical Conductivity



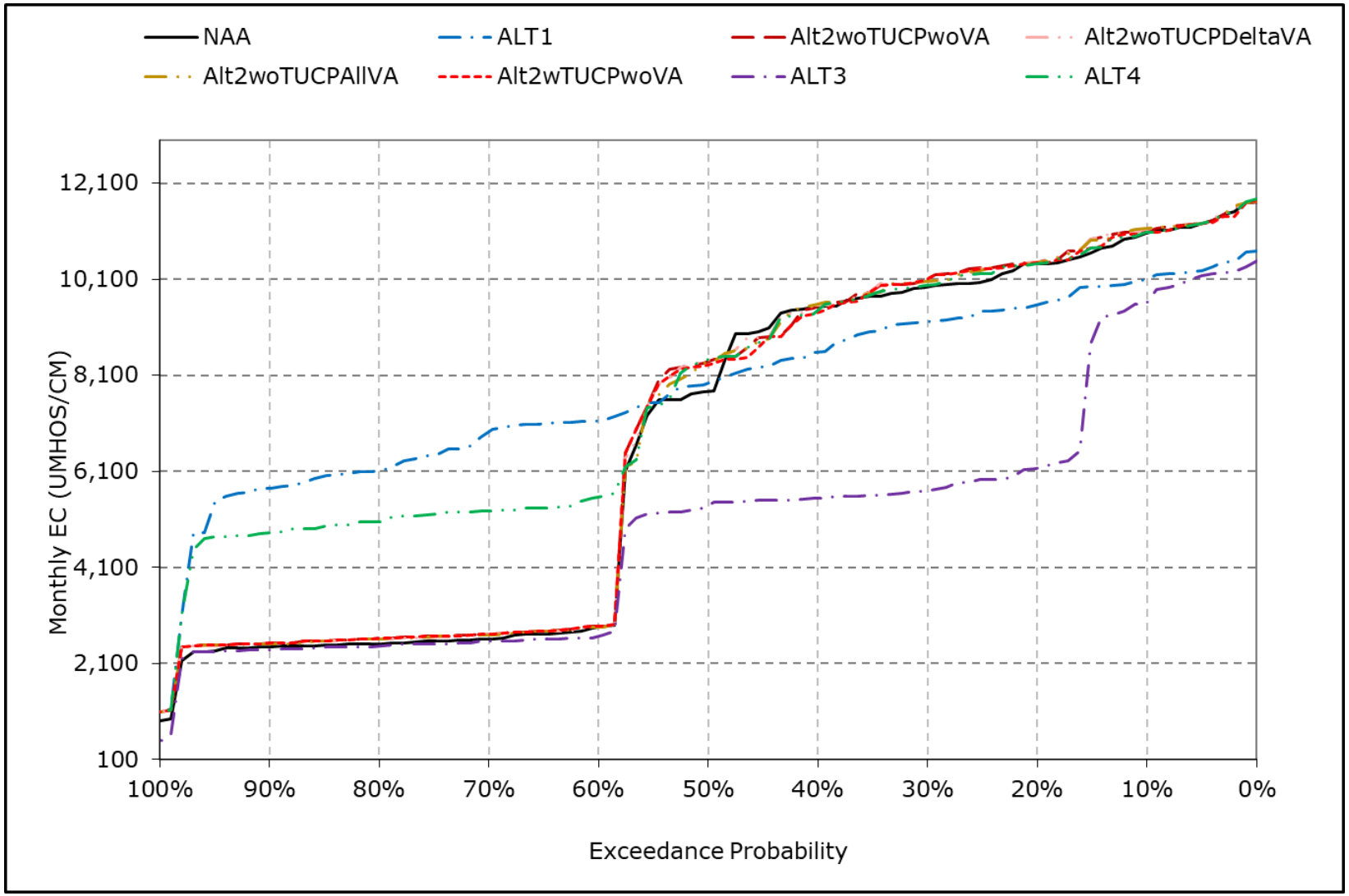
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-12-13. Sacramento River at Collinsville Salinity, July Electrical Conductivity



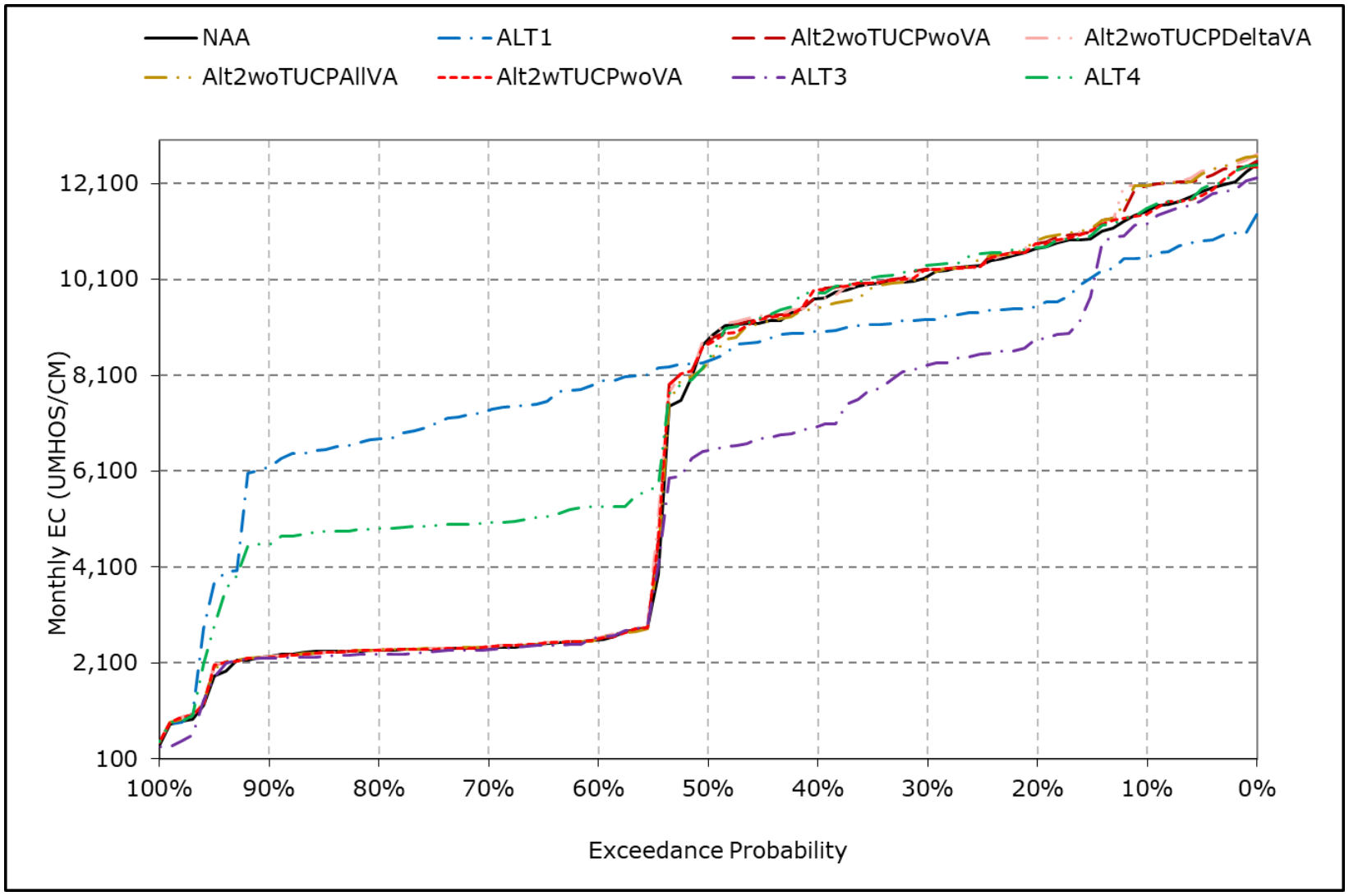
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-12-14. Sacramento River at Collinsville Salinity, August Electrical Conductivity



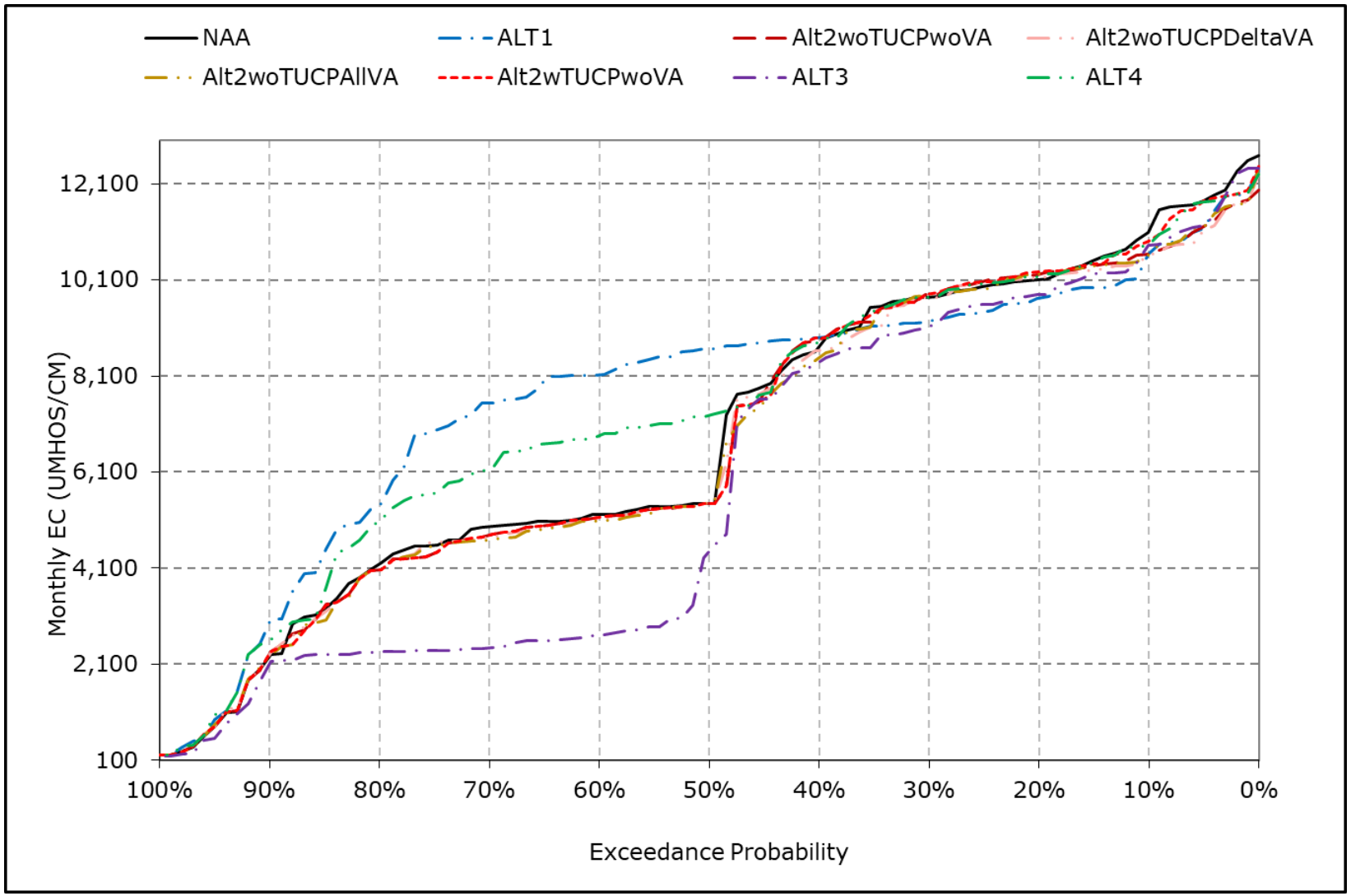
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-12-15. Sacramento River at Collinsville Salinity, September Electrical Conductivity



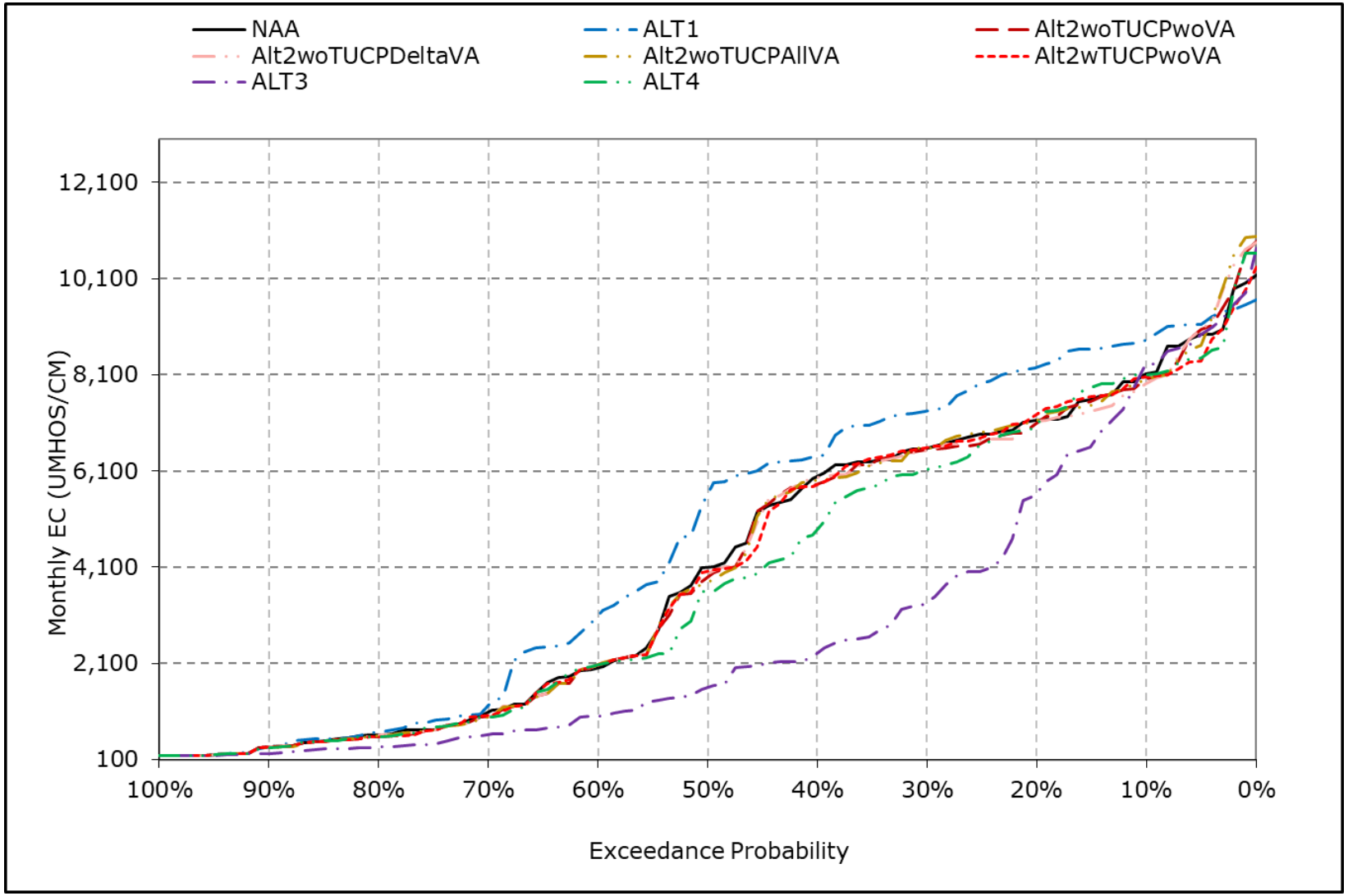
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-12-16. Sacramento River at Collinsville Salinity, October Electrical Conductivity



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-12-17. Sacramento River at Collinsville Salinity, November Electrical Conductivity



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-12-18. Sacramento River at Collinsville Salinity, December Electrical Conductivity

Table F.2.5-13-1a. Chipps Island North Channel Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	17,060	16,338	13,012	11,001	6,152	5,317	7,320	9,850	12,439	14,080	15,503	16,655
20% Exceedance	16,207	15,293	12,218	9,491	4,176	3,363	5,029	5,591	7,782	10,004	13,038	15,790
30% Exceedance	15,692	14,988	11,617	5,999	1,945	1,494	3,020	5,231	6,997	9,535	12,470	15,348
40% Exceedance	15,205	13,850	10,800	3,512	1,245	1,149	2,064	4,492	6,529	9,163	11,973	14,912
50% Exceedance	14,326	10,142	8,092	2,324	698	754	1,449	3,187	5,865	7,822	10,268	13,084
60% Exceedance	6,088	9,648	4,772	1,280	357	393	916	2,251	5,510	6,385	8,434	6,643
70% Exceedance	5,917	9,399	2,473	434	221	264	568	1,485	4,972	5,743	8,033	6,339
80% Exceedance	5,813	8,358	1,359	233	201	205	311	645	3,545	5,416	7,656	6,198
90% Exceedance	5,639	5,144	740	193	188	187	216	328	2,223	5,000	7,324	6,055
Full Simulation Period Average[a]	11,109	11,303	7,271	4,094	2,034	1,729	2,621	3,983	6,231	8,201	10,631	11,384
Wet Water Years (28%)	5,559	7,400	6,030	492	233	329	491	1,159	3,257	5,060	7,566	6,068
Above Normal Years (14%)	5,587	8,496	6,680	2,035	457	383	773	2,101	4,587	5,645	7,813	6,101
Below Normal Years (18%)	13,924	13,127	6,067	3,552	1,869	1,241	1,998	3,196	6,052	7,914	10,661	13,643
Dry Water Years (24%)	15,075	13,005	7,735	6,878	2,911	2,195	3,008	4,542	6,795	9,599	12,556	15,342
Critical Water Years (16%)	17,271	16,480	10,882	8,631	5,439	5,206	8,086	10,615	12,227	14,163	15,541	16,832

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-13-1b. Chipps Island North Channel Salinity, Alternative 1, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	16,365	16,004	13,874	12,131	7,008	5,887	6,042	7,868	8,982	11,363	14,252	15,721
20% Exceedance	15,219	15,008	13,452	11,257	5,203	3,396	4,778	5,794	7,411	9,810	12,750	15,058
30% Exceedance	14,859	14,567	12,568	9,262	3,364	1,938	3,607	5,554	6,964	9,376	12,442	14,699
40% Exceedance	14,654	14,288	11,584	5,236	1,556	1,531	2,284	5,138	6,060	8,486	11,546	14,092
50% Exceedance	14,009	13,841	10,286	3,623	999	1,149	1,735	3,853	5,593	7,517	10,417	13,324
60% Exceedance	13,361	13,551	6,378	2,047	527	540	1,021	2,745	4,824	6,345	9,754	12,616
70% Exceedance	12,806	12,668	2,974	557	232	277	626	1,594	4,317	5,996	9,560	12,350
80% Exceedance	12,194	10,334	1,630	251	205	207	334	759	3,497	5,754	9,413	11,515
90% Exceedance	11,597	6,777	670	193	187	187	221	372	2,254	4,938	9,180	10,988
Full Simulation Period Average[a]	13,414	12,538	8,142	5,083	2,431	1,885	2,508	3,957	5,786	7,884	11,025	13,190
Wet Water Years (28%)	11,430	10,374	6,841	770	264	371	593	1,341	2,984	5,219	9,068	11,148
Above Normal Years (14%)	12,636	12,421	7,610	2,464	604	532	967	2,472	4,160	5,773	9,377	12,039
Below Normal Years (18%)	13,376	12,965	6,884	4,798	2,329	1,541	2,283	3,762	5,454	7,557	10,497	12,852
Dry Water Years (24%)	14,355	12,566	8,937	8,667	3,583	2,571	3,289	4,848	6,925	9,474	12,457	14,723
Critical Water Years (16%)	16,434	16,135	11,337	9,865	6,209	5,074	6,292	8,718	10,776	12,377	14,335	15,852

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-13-1c. Chipps Island North Channel Salinity, Alternative 1 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-695	-334	863	1,130	856	570	-1,278	-1,983	-3,457	-2,717	-1,251	-934
20% Exceedance	-988	-285	1,234	1,766	1,027	33	-251	203	-370	-195	-288	-732
30% Exceedance	-833	-421	951	3,263	1,419	444	588	323	-34	-159	-27	-649
40% Exceedance	-551	437	783	1,724	311	383	221	646	-469	-677	-427	-820
50% Exceedance	-317	3,700	2,195	1,298	301	395	286	666	-272	-304	149	240
60% Exceedance	7,273	3,903	1,606	768	169	147	106	494	-687	-40	1,320	5,974
70% Exceedance	6,889	3,269	502	123	11	14	58	108	-655	253	1,527	6,011
80% Exceedance	6,381	1,976	271	18	4	2	23	114	-48	338	1,757	5,317
90% Exceedance	5,957	1,633	-70	-1	-1	0	5	44	31	-61	1,856	4,933
Full Simulation Period Average[a]	2,304	1,235	871	989	397	156	-113	-26	-445	-318	393	1,806
Wet Water Years (28%)	5,870	2,974	811	278	32	43	102	182	-273	159	1,502	5,081
Above Normal Years (14%)	7,050	3,925	930	429	146	150	193	371	-427	128	1,564	5,938
Below Normal Years (18%)	-548	-162	818	1,246	461	300	285	566	-597	-357	-165	-791
Dry Water Years (24%)	-720	-439	1,202	1,790	672	376	281	306	130	-125	-99	-619
Critical Water Years (16%)	-837	-346	455	1,234	770	-133	-1,794	-1,897	-1,451	-1,786	-1,205	-979

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-13-2a. Chipps Island North Channel Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	17,060	16,338	13,012	11,001	6,152	5,317	7,320	9,850	12,439	14,080	15,503	16,655
20% Exceedance	16,207	15,293	12,218	9,491	4,176	3,363	5,029	5,591	7,782	10,004	13,038	15,790
30% Exceedance	15,692	14,988	11,617	5,999	1,945	1,494	3,020	5,231	6,997	9,535	12,470	15,348
40% Exceedance	15,205	13,850	10,800	3,512	1,245	1,149	2,064	4,492	6,529	9,163	11,973	14,912
50% Exceedance	14,326	10,142	8,092	2,324	698	754	1,449	3,187	5,865	7,822	10,268	13,084
60% Exceedance	6,088	9,648	4,772	1,280	357	393	916	2,251	5,510	6,385	8,434	6,643
70% Exceedance	5,917	9,399	2,473	434	221	264	568	1,485	4,972	5,743	8,033	6,339
80% Exceedance	5,813	8,358	1,359	233	201	205	311	645	3,545	5,416	7,656	6,198
90% Exceedance	5,639	5,144	740	193	188	187	216	328	2,223	5,000	7,324	6,055
Full Simulation Period Average[a]	11,109	11,303	7,271	4,094	2,034	1,729	2,621	3,983	6,231	8,201	10,631	11,384
Wet Water Years (28%)	5,559	7,400	6,030	492	233	329	491	1,159	3,257	5,060	7,566	6,068
Above Normal Years (14%)	5,587	8,496	6,680	2,035	457	383	773	2,101	4,587	5,645	7,813	6,101
Below Normal Years (18%)	13,924	13,127	6,067	3,552	1,869	1,241	1,998	3,196	6,052	7,914	10,661	13,643
Dry Water Years (24%)	15,075	13,005	7,735	6,878	2,911	2,195	3,008	4,542	6,795	9,599	12,556	15,342
Critical Water Years (16%)	17,271	16,480	10,882	8,631	5,439	5,206	8,086	10,615	12,227	14,163	15,541	16,832

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-13-2b. Chipps Island North Channel Salinity, Alt2woTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	17,574	15,825	12,992	10,710	5,584	4,192	5,877	7,649	9,092	11,438	14,261	16,644
20% Exceedance	16,256	15,410	12,173	8,675	3,916	2,831	4,272	5,853	7,685	10,103	13,102	15,844
30% Exceedance	15,830	15,005	11,491	5,321	2,038	1,519	3,038	5,593	7,278	9,397	12,696	15,527
40% Exceedance	15,246	13,893	10,732	3,671	1,157	1,126	2,240	5,103	6,587	9,070	11,828	15,022
50% Exceedance	14,340	9,909	7,930	2,115	683	742	1,556	3,896	5,989	7,780	10,269	13,776
60% Exceedance	6,087	9,544	4,886	1,166	364	394	1,018	2,625	5,586	6,362	8,590	6,708
70% Exceedance	5,903	9,098	2,470	438	222	264	588	1,643	5,118	5,945	8,216	6,524
80% Exceedance	5,789	8,140	1,363	232	199	206	325	716	3,525	5,580	7,955	6,363
90% Exceedance	5,543	5,113	700	193	188	187	217	372	2,233	4,953	7,692	6,242
Full Simulation Period Average[a]	11,209	11,169	7,208	3,939	1,952	1,627	2,396	3,936	6,062	7,961	10,544	11,543
Wet Water Years (28%)	5,581	7,390	6,018	466	233	334	547	1,337	3,284	5,162	7,808	6,188
Above Normal Years (14%)	5,568	8,254	6,733	2,035	460	383	865	2,451	4,595	5,730	8,003	6,422
Below Normal Years (18%)	14,091	12,914	5,980	3,591	1,845	1,226	2,167	3,732	6,184	7,867	10,579	13,866
Dry Water Years (24%)	15,161	13,058	7,652	6,406	2,660	2,169	3,122	4,818	6,963	9,665	12,674	15,529
Critical Water Years (16%)	17,575	16,025	10,667	8,374	5,323	4,619	6,139	8,692	10,719	12,359	14,321	16,804

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-13-2c. Chipps Island North Channel Salinity, Alt2woTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	514	-513	-20	-291	-568	-1,124	-1,443	-2,202	-3,347	-2,642	-1,241	-10
20% Exceedance	49	117	-45	-817	-260	-532	-757	262	-96	99	64	54
30% Exceedance	139	17	-127	-678	93	25	19	362	281	-138	227	178
40% Exceedance	40	43	-69	159	-88	-23	177	611	58	-93	-145	110
50% Exceedance	14	-232	-161	-209	-15	-12	106	709	124	-41	1	692
60% Exceedance	-1	-104	114	-114	6	1	103	374	76	-23	157	65
70% Exceedance	-14	-301	-3	4	1	0	19	158	146	202	183	185
80% Exceedance	-24	-218	4	-1	-1	1	14	71	-20	163	299	165
90% Exceedance	-96	-31	-40	0	0	0	1	45	10	-47	369	188
Full Simulation Period Average[a]	100	-133	-63	-155	-82	-101	-226	-46	-168	-241	-87	160
Wet Water Years (28%)	22	-10	-11	-26	0	5	56	178	27	103	242	121
Above Normal Years (14%)	-18	-243	53	-1	2	1	92	350	9	85	190	321
Below Normal Years (18%)	167	-213	-87	39	-23	-15	169	536	132	-47	-83	223
Dry Water Years (24%)	86	53	-83	-472	-250	-25	113	276	167	66	118	188
Critical Water Years (16%)	305	-455	-215	-257	-116	-587	-1,948	-1,923	-1,508	-1,805	-1,219	-27

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-13-3a. Chipps Island North Channel Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	17,060	16,338	13,012	11,001	6,152	5,317	7,320	9,850	12,439	14,080	15,503	16,655
20% Exceedance	16,207	15,293	12,218	9,491	4,176	3,363	5,029	5,591	7,782	10,004	13,038	15,790
30% Exceedance	15,692	14,988	11,617	5,999	1,945	1,494	3,020	5,231	6,997	9,535	12,470	15,348
40% Exceedance	15,205	13,850	10,800	3,512	1,245	1,149	2,064	4,492	6,529	9,163	11,973	14,912
50% Exceedance	14,326	10,142	8,092	2,324	698	754	1,449	3,187	5,865	7,822	10,268	13,084
60% Exceedance	6,088	9,648	4,772	1,280	357	393	916	2,251	5,510	6,385	8,434	6,643
70% Exceedance	5,917	9,399	2,473	434	221	264	568	1,485	4,972	5,743	8,033	6,339
80% Exceedance	5,813	8,358	1,359	233	201	205	311	645	3,545	5,416	7,656	6,198
90% Exceedance	5,639	5,144	740	193	188	187	216	328	2,223	5,000	7,324	6,055
Full Simulation Period Average[a]	11,109	11,303	7,271	4,094	2,034	1,729	2,621	3,983	6,231	8,201	10,631	11,384
Wet Water Years (28%)	5,559	7,400	6,030	492	233	329	491	1,159	3,257	5,060	7,566	6,068
Above Normal Years (14%)	5,587	8,496	6,680	2,035	457	383	773	2,101	4,587	5,645	7,813	6,101
Below Normal Years (18%)	13,924	13,127	6,067	3,552	1,869	1,241	1,998	3,196	6,052	7,914	10,661	13,643
Dry Water Years (24%)	15,075	13,005	7,735	6,878	2,911	2,195	3,008	4,542	6,795	9,599	12,556	15,342
Critical Water Years (16%)	17,271	16,480	10,882	8,631	5,439	5,206	8,086	10,615	12,227	14,163	15,541	16,832

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-13-3b. Chipps Island North Channel Salinity, Alt2woTUCPDeltaVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	17,642	15,802	12,792	10,748	6,084	4,223	5,560	7,671	9,099	11,381	14,259	16,650
20% Exceedance	16,204	15,429	12,067	8,350	3,871	2,562	3,710	5,793	7,915	10,112	13,131	15,842
30% Exceedance	15,739	14,906	11,416	5,401	2,115	1,419	2,859	5,491	7,320	9,462	12,659	15,483
40% Exceedance	15,089	13,782	10,746	3,703	1,178	1,032	1,954	4,640	6,573	9,165	11,771	15,046
50% Exceedance	14,380	9,959	8,015	2,533	682	731	1,407	3,653	5,964	7,788	10,312	13,780
60% Exceedance	6,104	9,529	4,899	1,206	364	387	924	2,592	5,608	6,348	8,588	6,684
70% Exceedance	5,910	9,093	2,468	437	222	260	543	1,652	5,161	5,856	8,188	6,499
80% Exceedance	5,789	8,135	1,393	233	199	206	319	698	3,514	5,452	7,924	6,345
90% Exceedance	5,552	5,151	720	194	188	187	209	372	2,242	4,998	7,577	6,233
Full Simulation Period Average[a]	11,223	11,143	7,215	4,047	2,052	1,550	2,240	3,860	6,086	7,939	10,512	11,535
Wet Water Years (28%)	5,586	7,390	6,035	494	233	329	523	1,327	3,310	5,124	7,787	6,185
Above Normal Years (14%)	5,568	8,253	6,663	2,046	461	376	685	2,230	4,641	5,661	7,918	6,392
Below Normal Years (18%)	14,116	12,921	5,982	3,681	1,839	1,040	1,873	3,675	6,235	7,872	10,512	13,858
Dry Water Years (24%)	15,140	13,003	7,595	6,525	2,759	1,936	2,841	4,681	6,966	9,672	12,667	15,514
Critical Water Years (16%)	17,664	15,928	10,840	8,708	5,808	4,708	6,117	8,694	10,719	12,334	14,319	16,813

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-13-3c. Chipps Island North Channel Salinity, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	582	-535	-220	-253	-68	-1,094	-1,760	-2,180	-3,340	-2,699	-1,243	-5
20% Exceedance	-3	136	-151	-1,141	-305	-802	-1,319	202	133	108	93	52
30% Exceedance	47	-82	-201	-598	169	-75	-161	261	323	-73	189	134
40% Exceedance	-116	-68	-55	191	-67	-116	-110	148	44	2	-202	134
50% Exceedance	54	-183	-77	209	-15	-22	-42	466	99	-34	44	696
60% Exceedance	15	-120	127	-74	6	-6	8	340	98	-37	154	41
70% Exceedance	-8	-306	-5	3	1	-4	-25	167	189	113	156	160
80% Exceedance	-25	-223	34	0	-1	1	9	53	-31	36	268	147
90% Exceedance	-87	8	-20	0	0	0	-7	45	19	-2	253	178
Full Simulation Period Average[a]	114	-160	-56	-47	18	-179	-381	-123	-145	-262	-119	151
Wet Water Years (28%)	27	-10	6	2	1	0	32	168	53	64	221	118
Above Normal Years (14%)	-19	-243	-17	11	3	-7	-89	129	54	16	105	291
Below Normal Years (18%)	192	-207	-85	129	-29	-201	-125	479	184	-42	-150	215
Dry Water Years (24%)	65	-2	-140	-352	-151	-259	-167	139	170	73	111	173
Critical Water Years (16%)	393	-553	-42	77	370	-498	-1,969	-1,922	-1,508	-1,830	-1,221	-19

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-13-4a. Chipps Island North Channel Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	17,060	16,338	13,012	11,001	6,152	5,317	7,320	9,850	12,439	14,080	15,503	16,655
20% Exceedance	16,207	15,293	12,218	9,491	4,176	3,363	5,029	5,591	7,782	10,004	13,038	15,790
30% Exceedance	15,692	14,988	11,617	5,999	1,945	1,494	3,020	5,231	6,997	9,535	12,470	15,348
40% Exceedance	15,205	13,850	10,800	3,512	1,245	1,149	2,064	4,492	6,529	9,163	11,973	14,912
50% Exceedance	14,326	10,142	8,092	2,324	698	754	1,449	3,187	5,865	7,822	10,268	13,084
60% Exceedance	6,088	9,648	4,772	1,280	357	393	916	2,251	5,510	6,385	8,434	6,643
70% Exceedance	5,917	9,399	2,473	434	221	264	568	1,485	4,972	5,743	8,033	6,339
80% Exceedance	5,813	8,358	1,359	233	201	205	311	645	3,545	5,416	7,656	6,198
90% Exceedance	5,639	5,144	740	193	188	187	216	328	2,223	5,000	7,324	6,055
Full Simulation Period Average[a]	11,109	11,303	7,271	4,094	2,034	1,729	2,621	3,983	6,231	8,201	10,631	11,384
Wet Water Years (28%)	5,559	7,400	6,030	492	233	329	491	1,159	3,257	5,060	7,566	6,068
Above Normal Years (14%)	5,587	8,496	6,680	2,035	457	383	773	2,101	4,587	5,645	7,813	6,101
Below Normal Years (18%)	13,924	13,127	6,067	3,552	1,869	1,241	1,998	3,196	6,052	7,914	10,661	13,643
Dry Water Years (24%)	15,075	13,005	7,735	6,878	2,911	2,195	3,008	4,542	6,795	9,599	12,556	15,342
Critical Water Years (16%)	17,271	16,480	10,882	8,631	5,439	5,206	8,086	10,615	12,227	14,163	15,541	16,832

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-13-4b. Chipps Island North Channel Salinity, Alt2woTUCPAllVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	17,607	15,803	12,811	10,790	6,089	3,941	5,223	7,238	8,447	11,514	14,179	16,642
20% Exceedance	16,273	15,447	12,235	8,112	3,903	2,499	3,445	5,297	7,592	10,074	13,107	15,814
30% Exceedance	15,666	14,939	11,610	5,973	2,025	1,399	2,443	4,930	7,152	9,595	12,672	15,502
40% Exceedance	14,995	13,637	10,691	3,589	1,232	1,015	1,577	4,052	6,371	9,145	11,795	15,067
50% Exceedance	13,837	9,925	7,876	2,426	682	719	1,152	2,925	5,958	7,825	10,162	13,719
60% Exceedance	6,103	9,506	4,910	1,145	364	388	784	2,116	5,578	6,245	8,590	6,681
70% Exceedance	5,911	9,073	2,459	431	222	261	497	1,525	4,975	5,820	8,158	6,489
80% Exceedance	5,779	8,140	1,416	231	199	206	304	636	3,539	5,436	7,853	6,364
90% Exceedance	5,554	5,210	672	194	188	187	209	372	2,318	4,969	7,491	6,232
Full Simulation Period Average[a]	11,169	11,119	7,229	4,000	1,946	1,500	2,004	3,442	5,916	7,916	10,466	11,514
Wet Water Years (28%)	5,579	7,395	6,040	485	233	331	516	1,296	3,305	5,112	7,756	6,179
Above Normal Years (14%)	5,582	8,257	6,631	2,015	459	377	603	1,864	4,519	5,609	7,802	6,396
Below Normal Years (18%)	13,834	12,778	5,978	3,626	1,837	1,031	1,454	3,011	6,073	7,861	10,426	13,769
Dry Water Years (24%)	15,145	12,900	7,636	6,604	2,747	1,896	2,437	4,105	6,738	9,705	12,675	15,514
Critical Water Years (16%)	17,634	16,094	10,895	8,405	5,165	4,459	5,804	8,071	10,299	12,217	14,267	16,796

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-13-4c. Chipps Island North Channel Salinity, Alt2woTUCPAllVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	548	-535	-201	-211	-63	-1,375	-2,097	-2,612	-3,992	-2,566	-1,324	-13
20% Exceedance	66	154	16	-1,380	-273	-864	-1,584	-294	-190	70	69	24
30% Exceedance	-26	-48	-7	-26	80	-95	-577	-301	155	60	203	153
40% Exceedance	-210	-214	-109	77	-13	-133	-487	-440	-158	-18	-178	155
50% Exceedance	-489	-217	-216	102	-16	-35	-298	-261	92	4	-106	635
60% Exceedance	15	-142	138	-134	6	-5	-132	-135	67	-140	157	38
70% Exceedance	-6	-325	-13	-3	1	-3	-72	39	3	78	125	149
80% Exceedance	-34	-218	57	-1	-1	1	-7	-9	-6	20	197	166
90% Exceedance	-86	66	-68	0	0	0	-7	45	95	-31	168	177
Full Simulation Period Average[a]	60	-183	-42	-93	-88	-229	-617	-540	-315	-286	-166	131
Wet Water Years (28%)	20	-4	10	-7	1	2	25	137	48	52	190	111
Above Normal Years (14%)	-4	-240	-49	-20	2	-6	-170	-237	-68	-36	-11	295
Below Normal Years (18%)	-89	-350	-89	74	-31	-210	-544	-185	21	-53	-235	126
Dry Water Years (24%)	70	-105	-99	-274	-163	-299	-572	-438	-58	107	119	172
Critical Water Years (16%)	363	-387	13	-227	-273	-747	-2,283	-2,545	-1,928	-1,946	-1,274	-36

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-13-5a. Chipps Island North Channel Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	17,060	16,338	13,012	11,001	6,152	5,317	7,320	9,850	12,439	14,080	15,503	16,655
20% Exceedance	16,207	15,293	12,218	9,491	4,176	3,363	5,029	5,591	7,782	10,004	13,038	15,790
30% Exceedance	15,692	14,988	11,617	5,999	1,945	1,494	3,020	5,231	6,997	9,535	12,470	15,348
40% Exceedance	15,205	13,850	10,800	3,512	1,245	1,149	2,064	4,492	6,529	9,163	11,973	14,912
50% Exceedance	14,326	10,142	8,092	2,324	698	754	1,449	3,187	5,865	7,822	10,268	13,084
60% Exceedance	6,088	9,648	4,772	1,280	357	393	916	2,251	5,510	6,385	8,434	6,643
70% Exceedance	5,917	9,399	2,473	434	221	264	568	1,485	4,972	5,743	8,033	6,339
80% Exceedance	5,813	8,358	1,359	233	201	205	311	645	3,545	5,416	7,656	6,198
90% Exceedance	5,639	5,144	740	193	188	187	216	328	2,223	5,000	7,324	6,055
Full Simulation Period Average[a]	11,109	11,303	7,271	4,094	2,034	1,729	2,621	3,983	6,231	8,201	10,631	11,384
Wet Water Years (28%)	5,559	7,400	6,030	492	233	329	491	1,159	3,257	5,060	7,566	6,068
Above Normal Years (14%)	5,587	8,496	6,680	2,035	457	383	773	2,101	4,587	5,645	7,813	6,101
Below Normal Years (18%)	13,924	13,127	6,067	3,552	1,869	1,241	1,998	3,196	6,052	7,914	10,661	13,643
Dry Water Years (24%)	15,075	13,005	7,735	6,878	2,911	2,195	3,008	4,542	6,795	9,599	12,556	15,342
Critical Water Years (16%)	17,271	16,480	10,882	8,631	5,439	5,206	8,086	10,615	12,227	14,163	15,541	16,832

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-13-5b. Chipps Island North Channel Salinity, Alt2wTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	17,069	16,264	12,987	10,704	5,584	5,374	6,498	9,441	12,770	14,137	15,520	16,663
20% Exceedance	16,236	15,473	12,169	8,444	3,934	3,433	5,083	5,854	7,803	10,318	13,104	15,843
30% Exceedance	15,723	14,998	11,629	6,228	1,796	1,519	3,131	5,593	7,294	9,441	12,697	15,531
40% Exceedance	15,316	13,914	10,718	3,567	1,199	1,103	2,240	4,994	6,747	9,010	11,828	14,891
50% Exceedance	14,216	9,910	8,009	2,115	683	741	1,555	3,896	5,989	7,591	10,263	13,710
60% Exceedance	6,085	9,544	4,878	1,186	364	393	1,017	2,625	5,586	6,361	8,590	6,706
70% Exceedance	5,905	9,097	2,469	435	222	265	586	1,642	5,118	5,945	8,216	6,524
80% Exceedance	5,789	8,136	1,329	232	199	206	324	716	3,525	5,578	7,971	6,363
90% Exceedance	5,543	5,144	699	193	188	187	217	372	2,218	4,953	7,692	6,240
Full Simulation Period Average[a]	11,159	11,212	7,200	3,959	1,999	1,737	2,692	4,225	6,269	8,198	10,700	11,528
Wet Water Years (28%)	5,581	7,391	6,015	463	233	334	547	1,336	3,283	5,164	7,809	6,187
Above Normal Years (14%)	5,567	8,260	6,736	2,026	457	382	865	2,449	4,594	5,731	8,002	6,420
Below Normal Years (18%)	14,063	12,864	6,011	3,610	1,824	1,217	2,167	3,731	6,188	7,785	10,468	13,779
Dry Water Years (24%)	15,147	13,046	7,728	6,496	2,663	2,169	3,122	4,815	6,960	9,663	12,673	15,528
Critical Water Years (16%)	17,299	16,383	10,457	8,358	5,640	5,315	7,991	10,505	12,013	13,933	15,422	16,811

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-13-5c. Chipps Island North Channel Salinity, Alt2wTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9	-74	-25	-297	-567	57	-823	-410	331	57	18	8
20% Exceedance	29	180	-49	-1,048	-242	70	54	263	22	314	66	53
30% Exceedance	31	10	11	229	-149	25	112	362	297	-94	227	183
40% Exceedance	110	63	-82	55	-46	-46	177	502	218	-153	-145	-22
50% Exceedance	-111	-232	-82	-209	-15	-12	106	709	124	-230	-5	626
60% Exceedance	-4	-104	107	-94	6	0	102	374	76	-23	156	64
70% Exceedance	-12	-301	-4	2	1	1	18	157	146	202	183	184
80% Exceedance	-24	-222	-29	-1	-1	1	13	72	-20	162	315	165
90% Exceedance	-97	0	-41	0	0	0	1	45	-5	-46	368	185
Full Simulation Period Average[a]	50	-90	-71	-134	-35	8	71	243	38	-3	69	144
Wet Water Years (28%)	22	-9	-15	-29	0	5	56	177	26	104	243	120
Above Normal Years (14%)	-20	-236	57	-9	0	-1	91	348	7	86	190	320
Below Normal Years (18%)	140	-263	-56	58	-45	-24	168	535	136	-129	-194	136
Dry Water Years (24%)	72	41	-7	-382	-248	-25	113	273	165	64	117	186
Critical Water Years (16%)	28	-98	-425	-274	201	109	-95	-110	-214	-230	-119	-21

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-13-6a. Chipps Island North Channel Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	17,060	16,338	13,012	11,001	6,152	5,317	7,320	9,850	12,439	14,080	15,503	16,655
20% Exceedance	16,207	15,293	12,218	9,491	4,176	3,363	5,029	5,591	7,782	10,004	13,038	15,790
30% Exceedance	15,692	14,988	11,617	5,999	1,945	1,494	3,020	5,231	6,997	9,535	12,470	15,348
40% Exceedance	15,205	13,850	10,800	3,512	1,245	1,149	2,064	4,492	6,529	9,163	11,973	14,912
50% Exceedance	14,326	10,142	8,092	2,324	698	754	1,449	3,187	5,865	7,822	10,268	13,084
60% Exceedance	6,088	9,648	4,772	1,280	357	393	916	2,251	5,510	6,385	8,434	6,643
70% Exceedance	5,917	9,399	2,473	434	221	264	568	1,485	4,972	5,743	8,033	6,339
80% Exceedance	5,813	8,358	1,359	233	201	205	311	645	3,545	5,416	7,656	6,198
90% Exceedance	5,639	5,144	740	193	188	187	216	328	2,223	5,000	7,324	6,055
Full Simulation Period Average[a]	11,109	11,303	7,271	4,094	2,034	1,729	2,621	3,983	6,231	8,201	10,631	11,384
Wet Water Years (28%)	5,559	7,400	6,030	492	233	329	491	1,159	3,257	5,060	7,566	6,068
Above Normal Years (14%)	5,587	8,496	6,680	2,035	457	383	773	2,101	4,587	5,645	7,813	6,101
Below Normal Years (18%)	13,924	13,127	6,067	3,552	1,869	1,241	1,998	3,196	6,052	7,914	10,661	13,643
Dry Water Years (24%)	15,075	13,005	7,735	6,878	2,911	2,195	3,008	4,542	6,795	9,599	12,556	15,342
Critical Water Years (16%)	17,271	16,480	10,882	8,631	5,439	5,206	8,086	10,615	12,227	14,163	15,541	16,832

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-13-6b. Chipps Island North Channel Salinity, Alternative 3, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	16,721	15,921	13,274	7,858	4,145	3,744	4,692	7,144	9,219	10,317	12,175	15,149
20% Exceedance	14,088	14,916	10,224	5,551	2,327	1,859	2,777	4,966	6,995	9,372	9,233	11,033
30% Exceedance	13,632	14,269	7,122	3,652	1,228	1,141	2,320	3,945	6,475	8,462	8,814	10,550
40% Exceedance	12,061	13,391	5,393	1,691	720	776	1,633	2,956	6,061	8,203	8,599	10,363
50% Exceedance	11,597	8,902	4,065	1,173	509	535	928	2,066	5,371	7,873	8,443	10,211
60% Exceedance	6,119	6,217	2,514	865	336	352	562	1,048	4,927	7,522	8,006	6,400
70% Exceedance	5,866	5,830	1,498	318	222	236	394	695	4,513	6,671	7,569	6,202
80% Exceedance	5,727	5,639	827	221	197	203	274	337	3,702	5,820	6,764	6,134
90% Exceedance	5,561	5,016	422	192	188	189	203	240	2,684	4,994	6,426	6,006
Full Simulation Period Average[a]	10,114	9,853	5,240	2,705	1,396	1,245	1,883	2,972	5,554	7,736	8,581	9,344
Wet Water Years (28%)	5,373	5,124	3,303	376	221	266	396	630	3,284	5,123	6,451	5,834
Above Normal Years (14%)	5,578	5,304	3,198	876	312	292	600	1,132	4,629	7,446	7,753	6,127
Below Normal Years (18%)	11,370	12,034	5,372	2,282	1,089	698	1,234	2,544	5,970	8,717	8,922	10,287
Dry Water Years (24%)	13,245	12,560	6,989	4,085	1,805	1,493	2,076	3,535	5,782	7,934	8,553	10,644
Critical Water Years (16%)	16,986	16,284	7,945	6,787	4,131	4,038	6,051	8,317	9,528	11,163	12,694	15,292

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-13-6c. Chipps Island North Channel Salinity, Alternative 3 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-339	-417	262	-3,143	-2,007	-1,573	-2,629	-2,706	-3,220	-3,763	-3,328	-1,505
20% Exceedance	-2,119	-377	-1,994	-3,940	-1,849	-1,504	-2,252	-624	-786	-632	-3,805	-4,756
30% Exceedance	-2,060	-718	-4,496	-2,347	-718	-353	-700	-1,286	-522	-1,072	-3,655	-4,798
40% Exceedance	-3,145	-460	-5,407	-1,821	-525	-372	-431	-1,536	-468	-960	-3,374	-4,549
50% Exceedance	-2,729	-1,240	-4,027	-1,152	-189	-219	-521	-1,120	-495	52	-1,825	-2,873
60% Exceedance	30	-3,431	-2,258	-414	-21	-41	-354	-1,203	-583	1,137	-428	-242
70% Exceedance	-51	-3,568	-975	-115	1	-28	-174	-791	-459	929	-464	-137
80% Exceedance	-86	-2,719	-532	-12	-4	-1	-37	-307	157	404	-892	-64
90% Exceedance	-78	-128	-317	-1	0	2	-13	-87	461	-6	-897	-49
Full Simulation Period Average[a]	-995	-1,449	-2,031	-1,389	-639	-483	-738	-1,011	-676	-465	-2,050	-2,040
Wet Water Years (28%)	-186	-2,276	-2,727	-116	-12	-62	-95	-529	27	63	-1,115	-234
Above Normal Years (14%)	-9	-3,192	-3,482	-1,159	-145	-90	-174	-969	42	1,800	-59	26
Below Normal Years (18%)	-2,554	-1,094	-695	-1,270	-780	-543	-764	-652	-82	803	-1,739	-3,356
Dry Water Years (24%)	-1,830	-445	-746	-2,792	-1,106	-702	-932	-1,007	-1,014	-1,664	-4,004	-4,698
Critical Water Years (16%)	-285	-196	-2,938	-1,844	-1,307	-1,169	-2,035	-2,298	-2,699	-3,000	-2,847	-1,540

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-13-7a. Chipps Island North Channel Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	17,060	16,338	13,012	11,001	6,152	5,317	7,320	9,850	12,439	14,080	15,503	16,655
20% Exceedance	16,207	15,293	12,218	9,491	4,176	3,363	5,029	5,591	7,782	10,004	13,038	15,790
30% Exceedance	15,692	14,988	11,617	5,999	1,945	1,494	3,020	5,231	6,997	9,535	12,470	15,348
40% Exceedance	15,205	13,850	10,800	3,512	1,245	1,149	2,064	4,492	6,529	9,163	11,973	14,912
50% Exceedance	14,326	10,142	8,092	2,324	698	754	1,449	3,187	5,865	7,822	10,268	13,084
60% Exceedance	6,088	9,648	4,772	1,280	357	393	916	2,251	5,510	6,385	8,434	6,643
70% Exceedance	5,917	9,399	2,473	434	221	264	568	1,485	4,972	5,743	8,033	6,339
80% Exceedance	5,813	8,358	1,359	233	201	205	311	645	3,545	5,416	7,656	6,198
90% Exceedance	5,639	5,144	740	193	188	187	216	328	2,223	5,000	7,324	6,055
Full Simulation Period Average[a]	11,109	11,303	7,271	4,094	2,034	1,729	2,621	3,983	6,231	8,201	10,631	11,384
Wet Water Years (28%)	5,559	7,400	6,030	492	233	329	491	1,159	3,257	5,060	7,566	6,068
Above Normal Years (14%)	5,587	8,496	6,680	2,035	457	383	773	2,101	4,587	5,645	7,813	6,101
Below Normal Years (18%)	13,924	13,127	6,067	3,552	1,869	1,241	1,998	3,196	6,052	7,914	10,661	13,643
Dry Water Years (24%)	15,075	13,005	7,735	6,878	2,911	2,195	3,008	4,542	6,795	9,599	12,556	15,342
Critical Water Years (16%)	17,271	16,480	10,882	8,631	5,439	5,206	8,086	10,615	12,227	14,163	15,541	16,832

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-13-7b. Chipps Island North Channel Salinity, Alternative 4, Monthly Electrical Conductivity (UMHOS/CM)

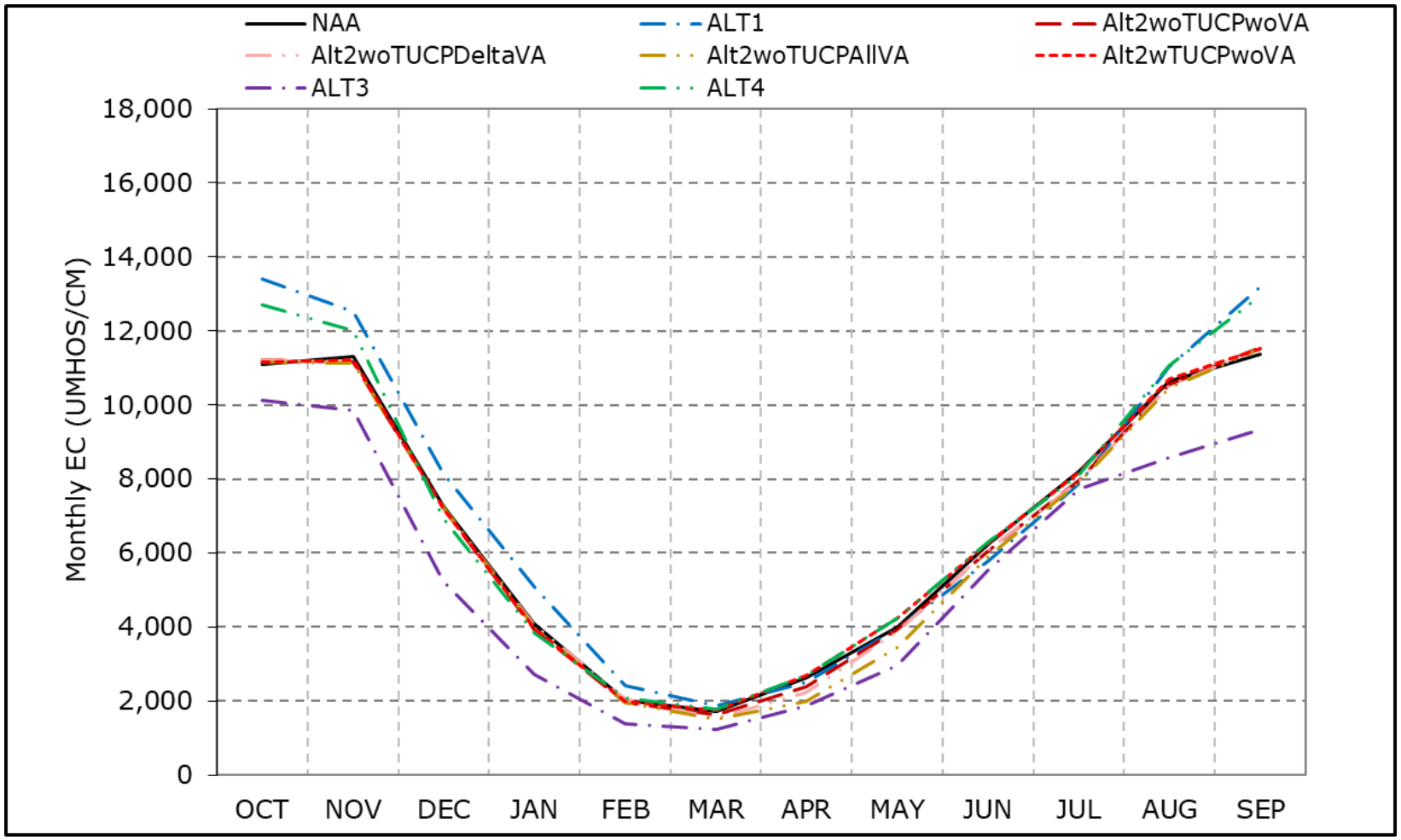
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	17,123	16,055	13,173	10,566	6,178	5,517	6,528	9,451	12,976	14,007	14,963	16,739
20% Exceedance	16,262	15,405	12,020	8,593	4,325	3,495	5,165	5,819	7,768	9,919	12,750	15,824
30% Exceedance	15,951	15,048	11,051	5,683	1,921	1,503	3,085	5,591	7,279	9,355	12,379	15,490
40% Exceedance	15,250	14,051	9,423	3,055	1,205	1,154	2,236	4,978	6,860	8,789	11,797	14,973
50% Exceedance	13,934	12,382	7,459	2,091	695	768	1,557	3,944	5,994	7,499	10,139	13,773
60% Exceedance	10,128	11,858	4,881	1,057	370	403	995	2,739	5,610	6,331	9,625	10,592
70% Exceedance	9,805	11,134	2,372	404	222	266	559	1,646	5,114	5,845	9,401	10,246
80% Exceedance	9,578	9,670	1,344	229	199	206	325	717	3,510	5,572	9,158	10,024
90% Exceedance	9,355	6,182	712	194	188	187	216	368	2,215	5,025	8,907	9,759
Full Simulation Period Average[a]	12,705	12,002	6,937	3,829	2,069	1,768	2,688	4,239	6,294	8,121	11,082	12,948
Wet Water Years (28%)	9,032	9,159	5,378	450	235	338	551	1,337	3,271	5,145	8,854	9,426
Above Normal Years (14%)	9,319	10,183	6,403	1,455	434	386	868	2,460	4,603	5,697	9,286	10,181
Below Normal Years (18%)	14,034	12,920	5,979	3,279	1,865	1,197	2,093	3,759	6,242	7,630	10,319	13,722
Dry Water Years (24%)	15,213	13,034	7,632	6,580	2,994	2,241	3,095	4,819	6,970	9,487	12,434	15,501
Critical Water Years (16%)	17,337	16,376	10,422	8,312	5,552	5,415	8,076	10,542	12,110	13,953	15,380	16,835

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-13-7c. Chipps Island North Channel Salinity, Alternative 4 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

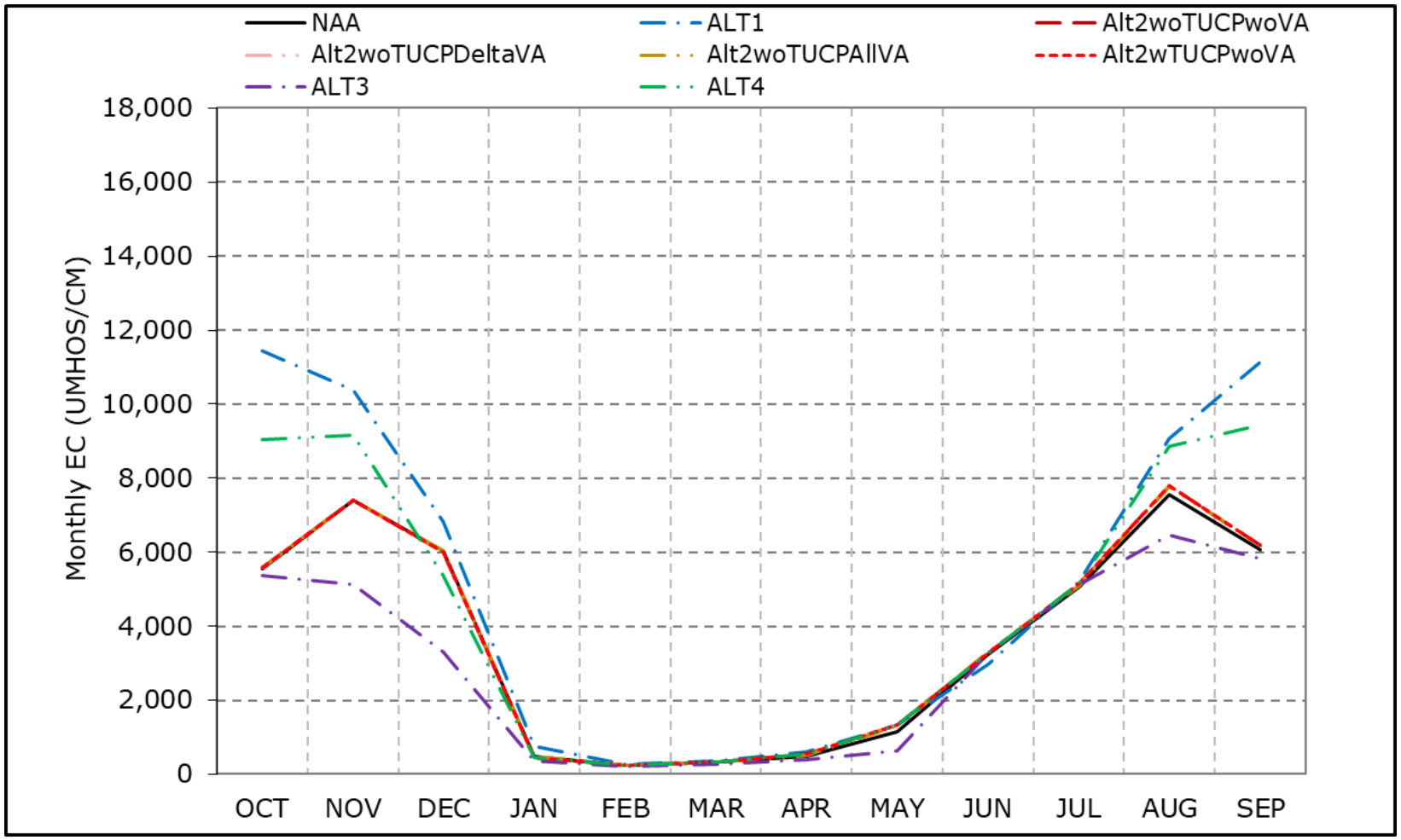
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	63	-283	161	-435	26	201	-792	-399	537	-74	-540	84
20% Exceedance	55	111	-198	-898	150	131	135	228	-14	-85	-288	34
30% Exceedance	259	60	-566	-316	-24	9	66	360	282	-180	-91	142
40% Exceedance	45	201	-1,377	-457	-40	5	173	486	331	-374	-176	60
50% Exceedance	-392	2,240	-633	-233	-3	14	108	757	128	-322	-129	689
60% Exceedance	4,040	2,210	109	-223	12	10	80	487	100	-54	1,191	3,950
70% Exceedance	3,888	1,735	-100	-30	1	3	-9	161	142	102	1,368	3,906
80% Exceedance	3,764	1,312	-14	-4	-1	1	14	72	-35	156	1,503	3,826
90% Exceedance	3,716	1,038	-28	0	0	0	0	41	-8	25	1,583	3,704
Full Simulation Period Average[a]	1,595	700	-334	-265	35	40	66	256	64	-81	450	1,565
Wet Water Years (28%)	3,473	1,760	-652	-42	2	10	60	178	14	85	1,288	3,358
Above Normal Years (14%)	3,732	1,687	-277	-580	-24	3	94	359	17	52	1,473	4,080
Below Normal Years (18%)	111	-208	-88	-273	-3	-44	95	563	190	-284	-342	79
Dry Water Years (24%)	138	29	-103	-298	83	46	87	277	174	-112	-122	160
Critical Water Years (16%)	66	-105	-460	-319	113	209	-10	-73	-117	-210	-160	3

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



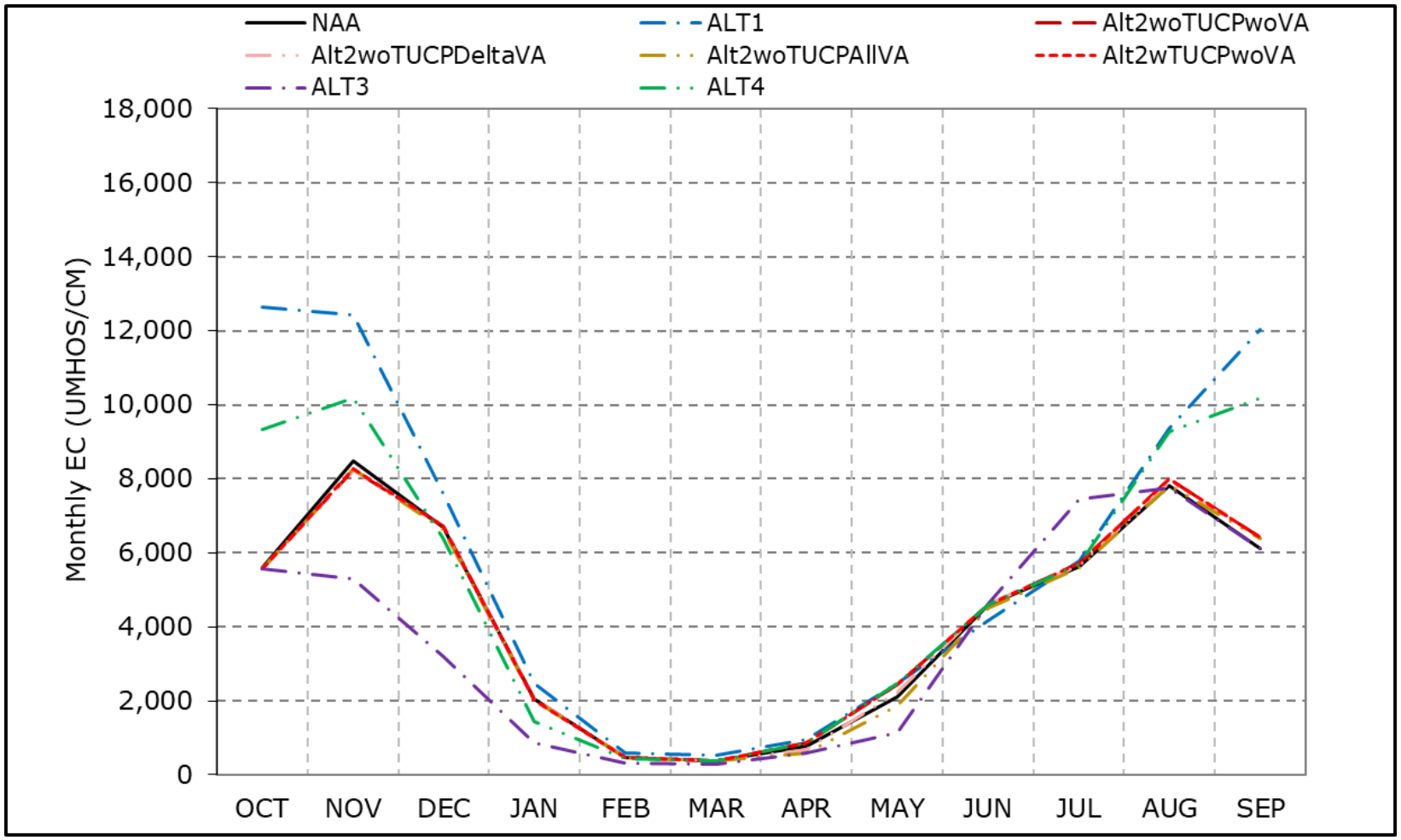
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-13-1. Chipps Island North Channel Salinity, Long-Term Average Electrical Conductivity



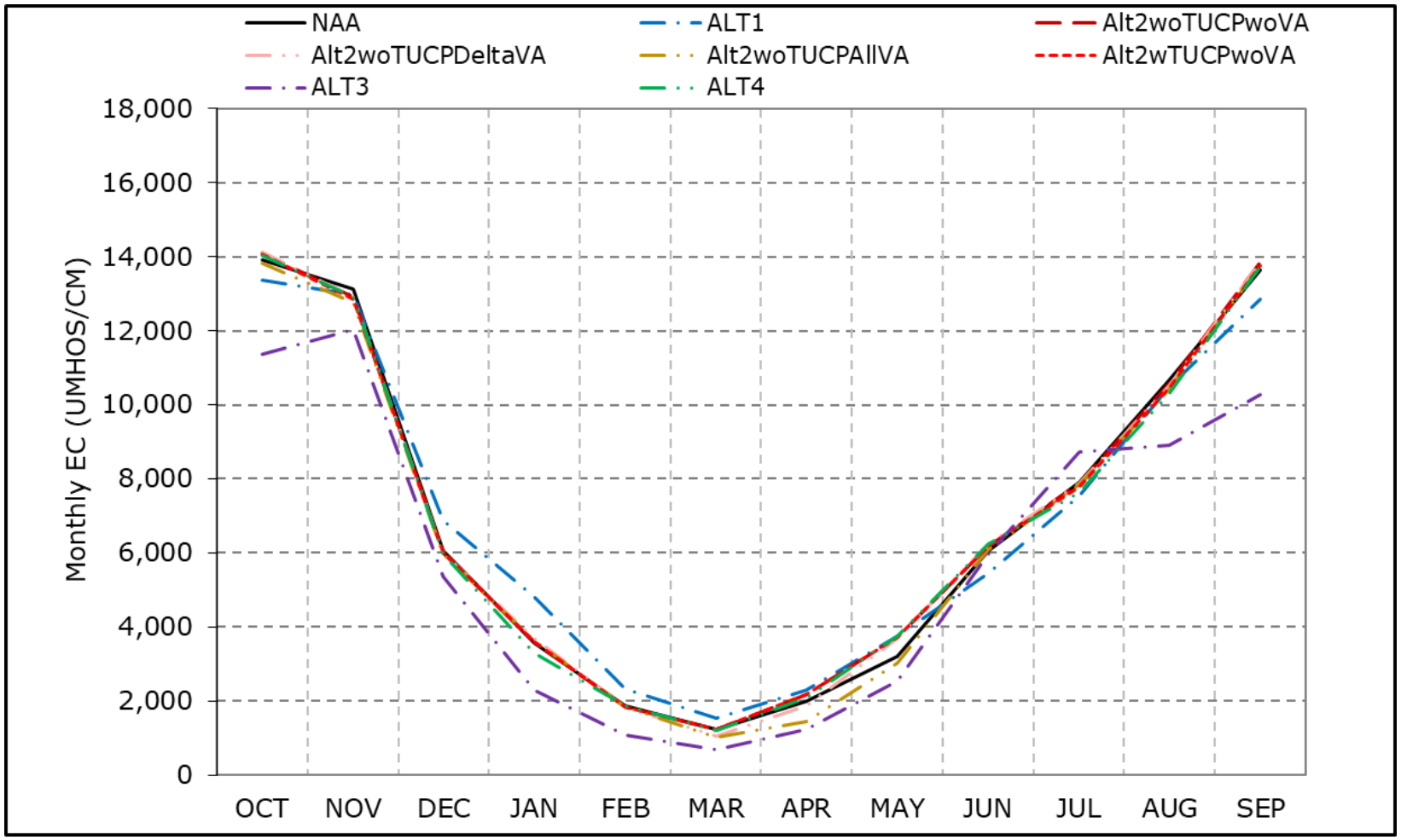
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-13-2. Chipps Island North Channel Salinity, Wet Year Average Electrical Conductivity



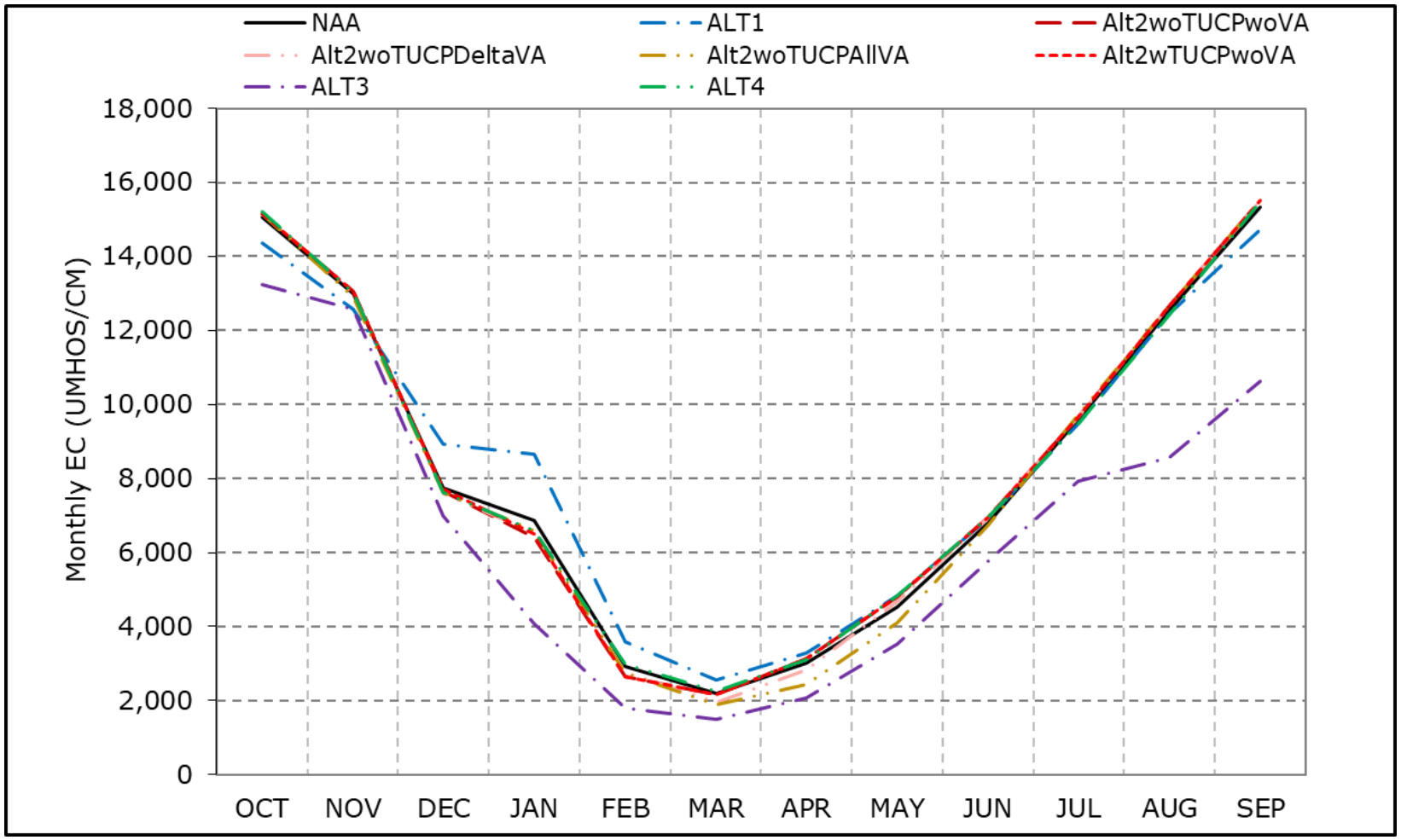
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-13-3. Chipps Island North Channel Salinity, Above Normal Year Average Electrical Conductivity



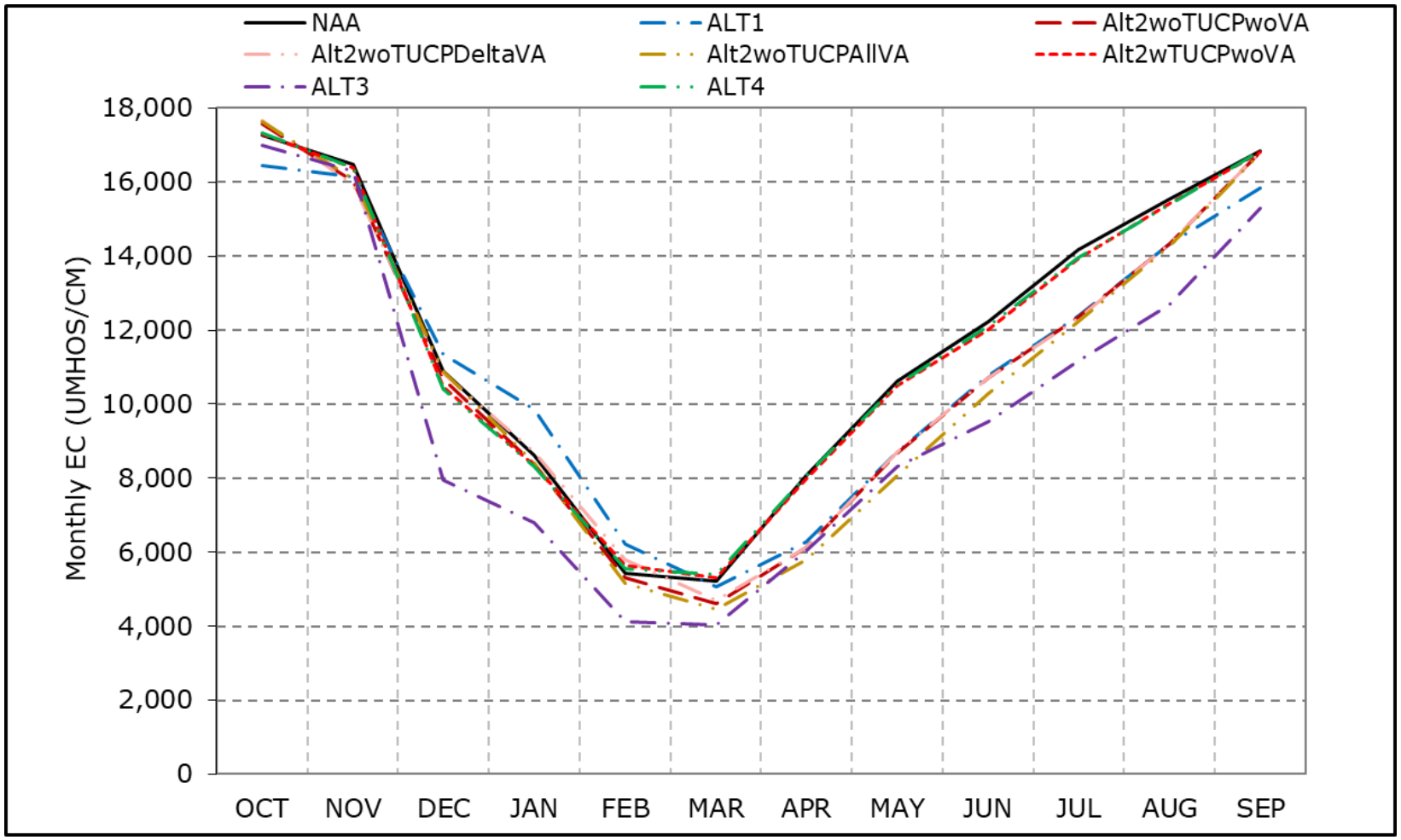
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-13-4. Chipps Island North Channel Salinity, Below Normal Year Average Electrical Conductivity



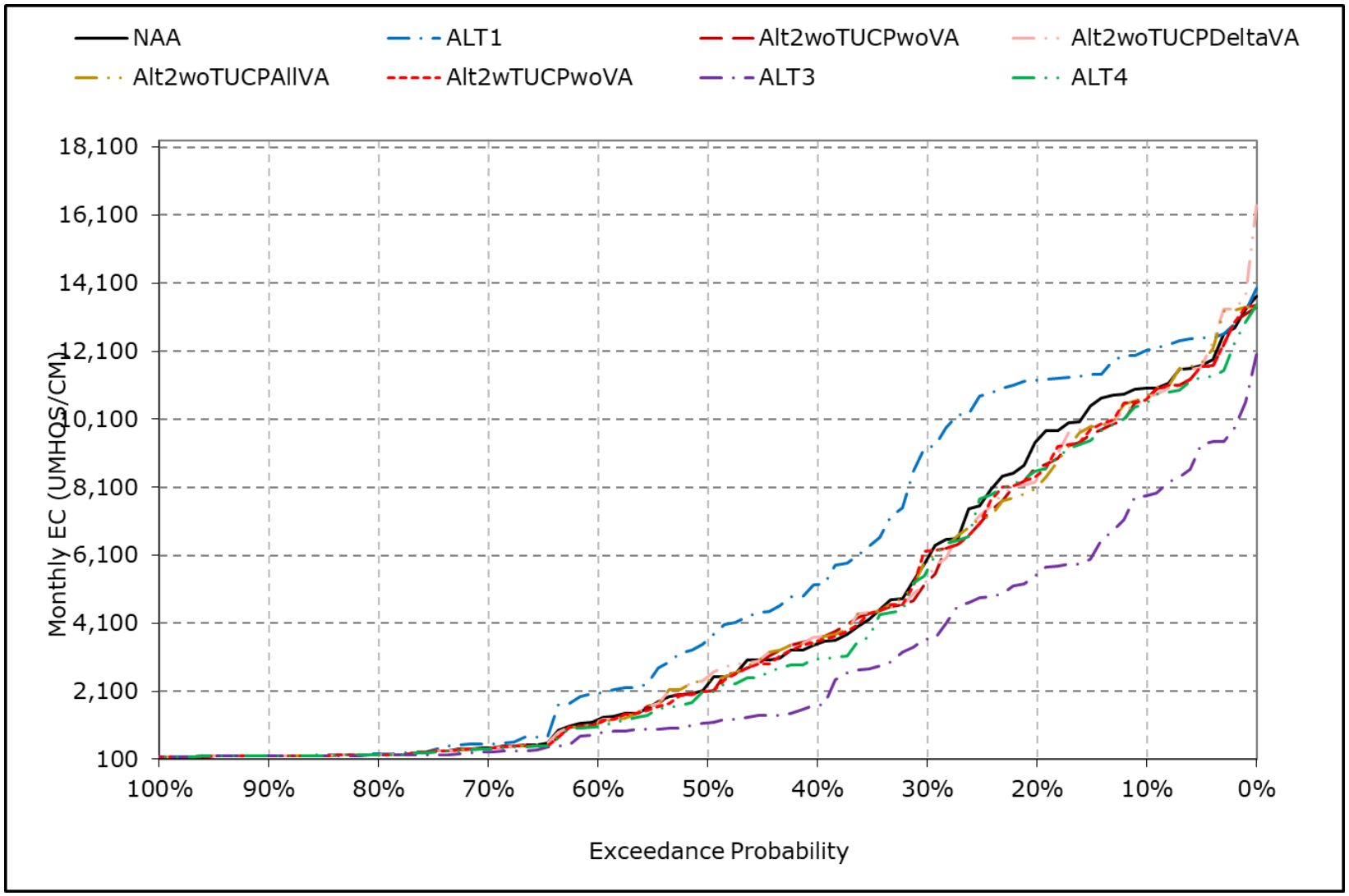
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-13-5. Chipps Island North Channel Salinity, Dry Year Average Electrical Conductivity



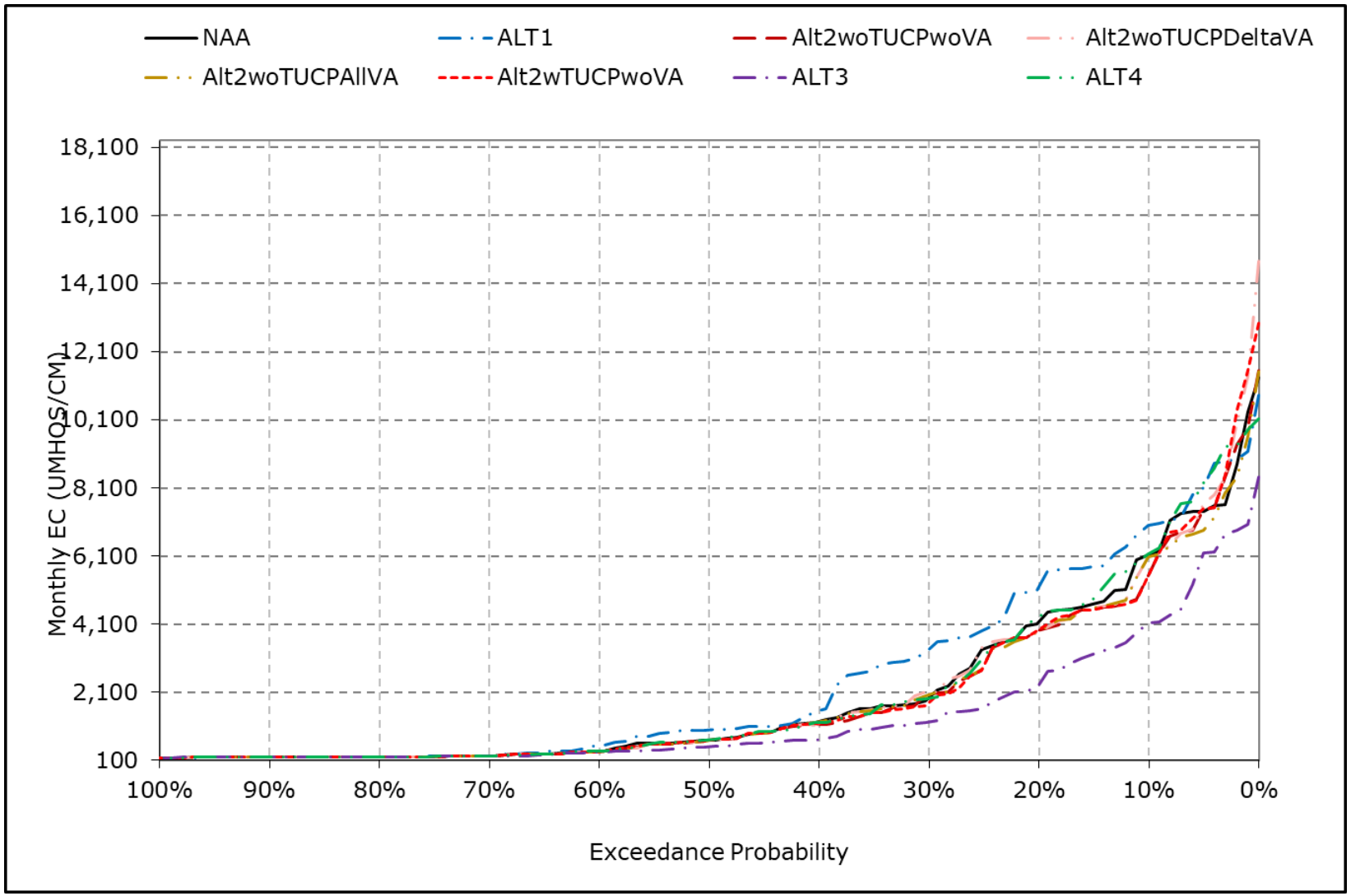
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-13-6. Chipps Island North Channel Salinity, Critical Year Average Electrical Conductivity



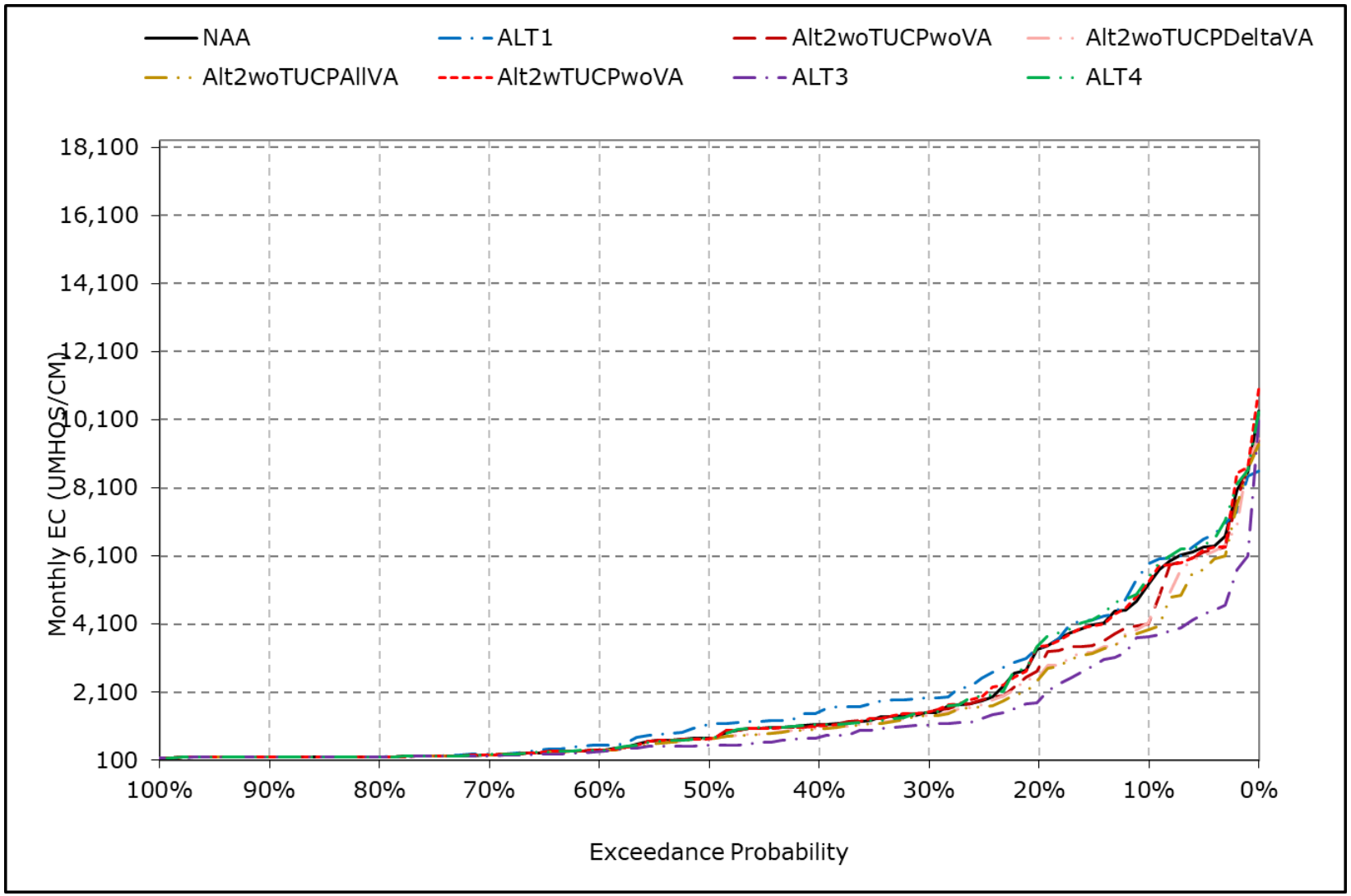
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-13-7. Chipps Island North Channel Salinity, January Electrical Conductivity



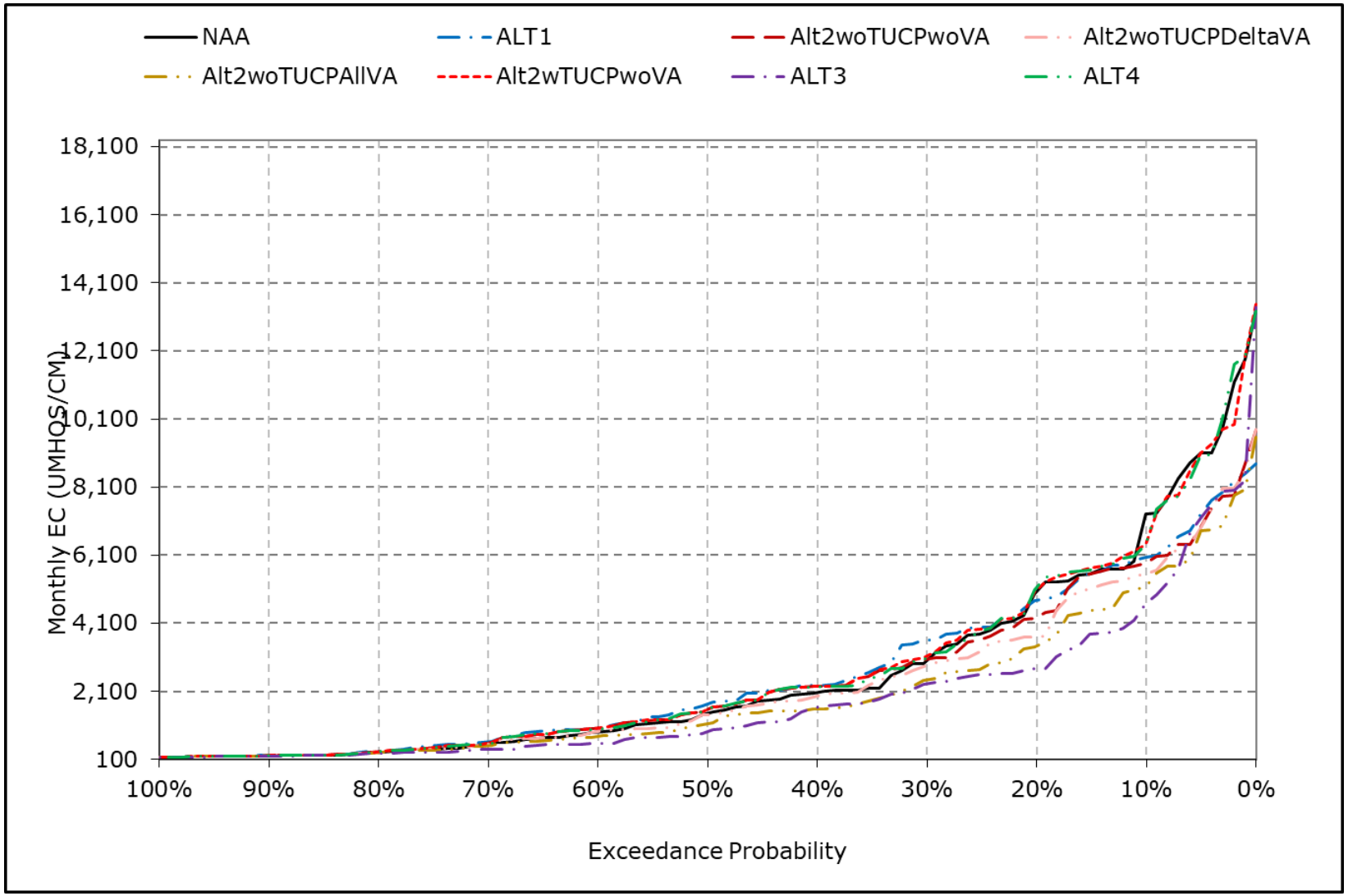
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-13-8. Chipps Island North Channel Salinity, February Electrical Conductivity



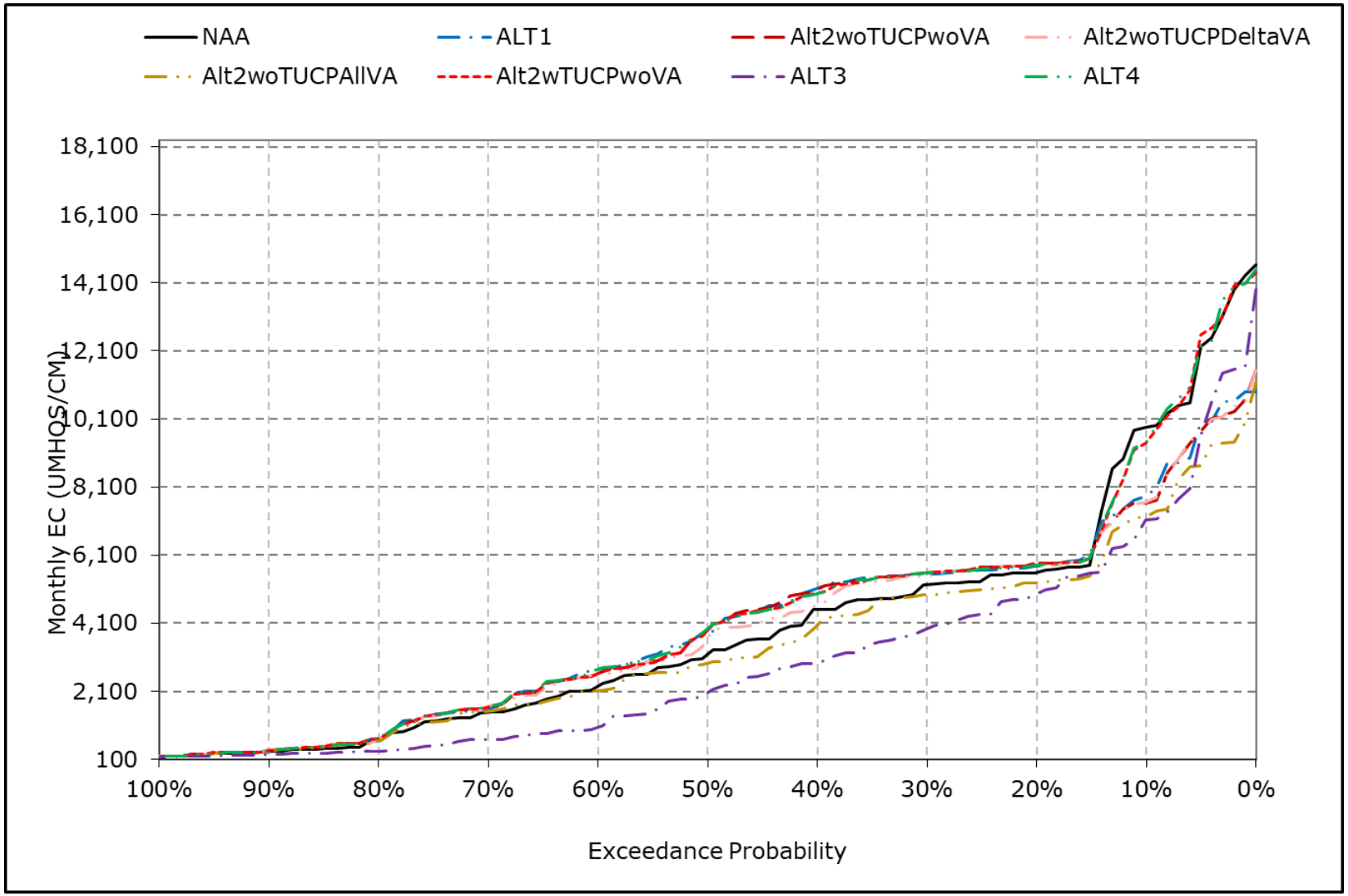
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-13-9. Chipps Island North Channel Salinity, March Electrical Conductivity



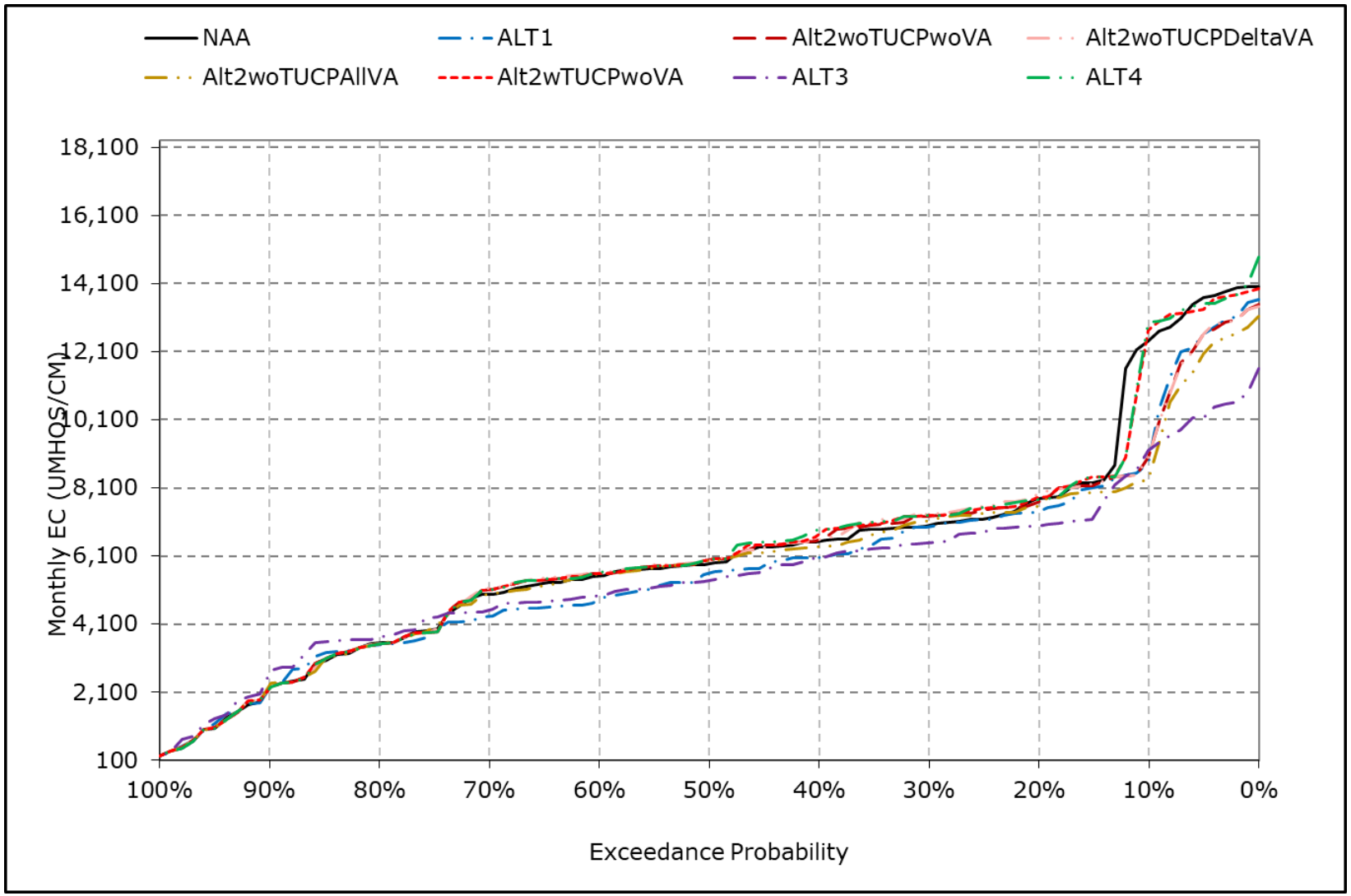
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-13-10. Chipps Island North Channel Salinity, April Electrical Conductivity



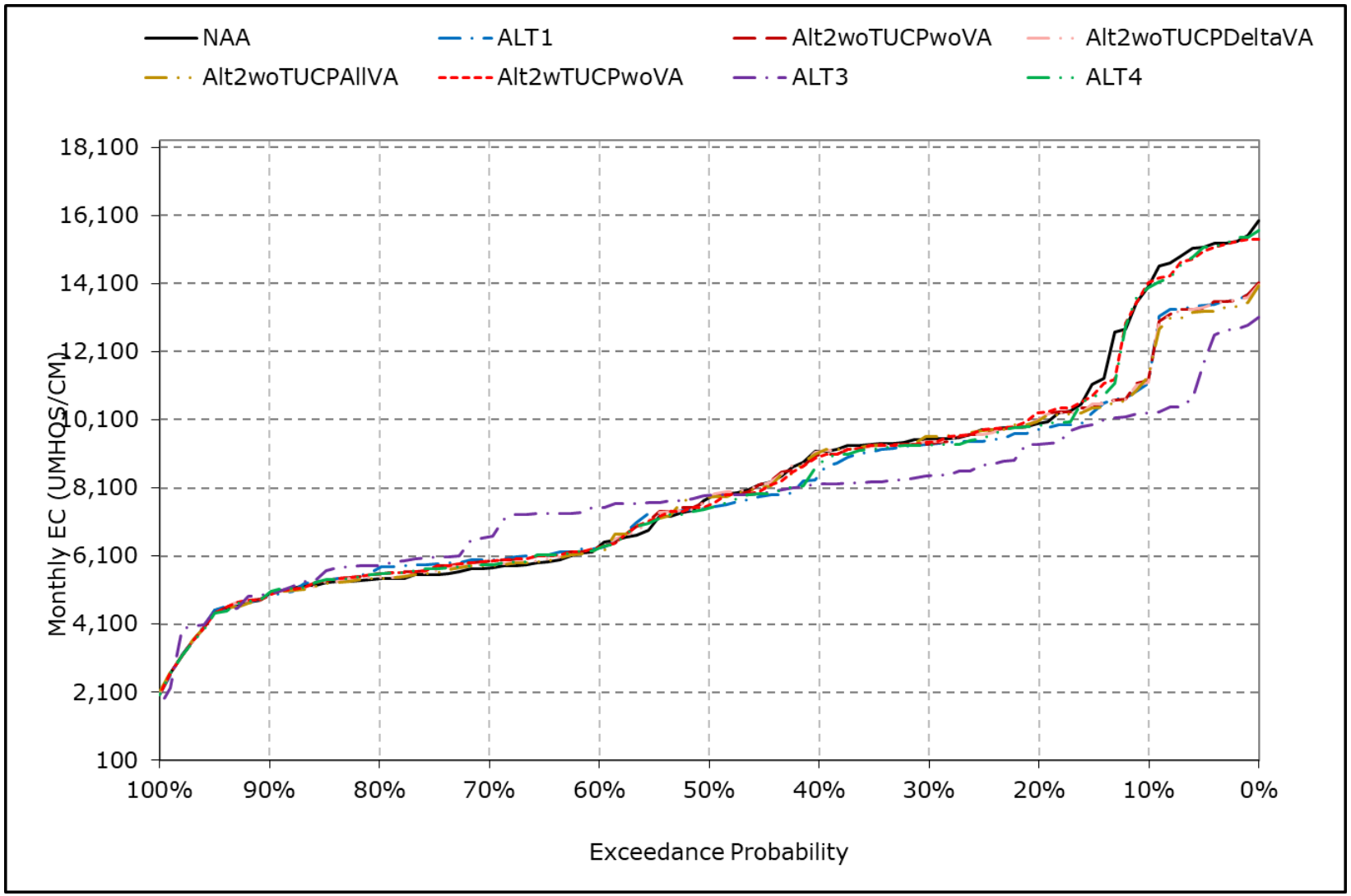
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-13-11. Chipps Island North Channel Salinity, May Electrical Conductivity



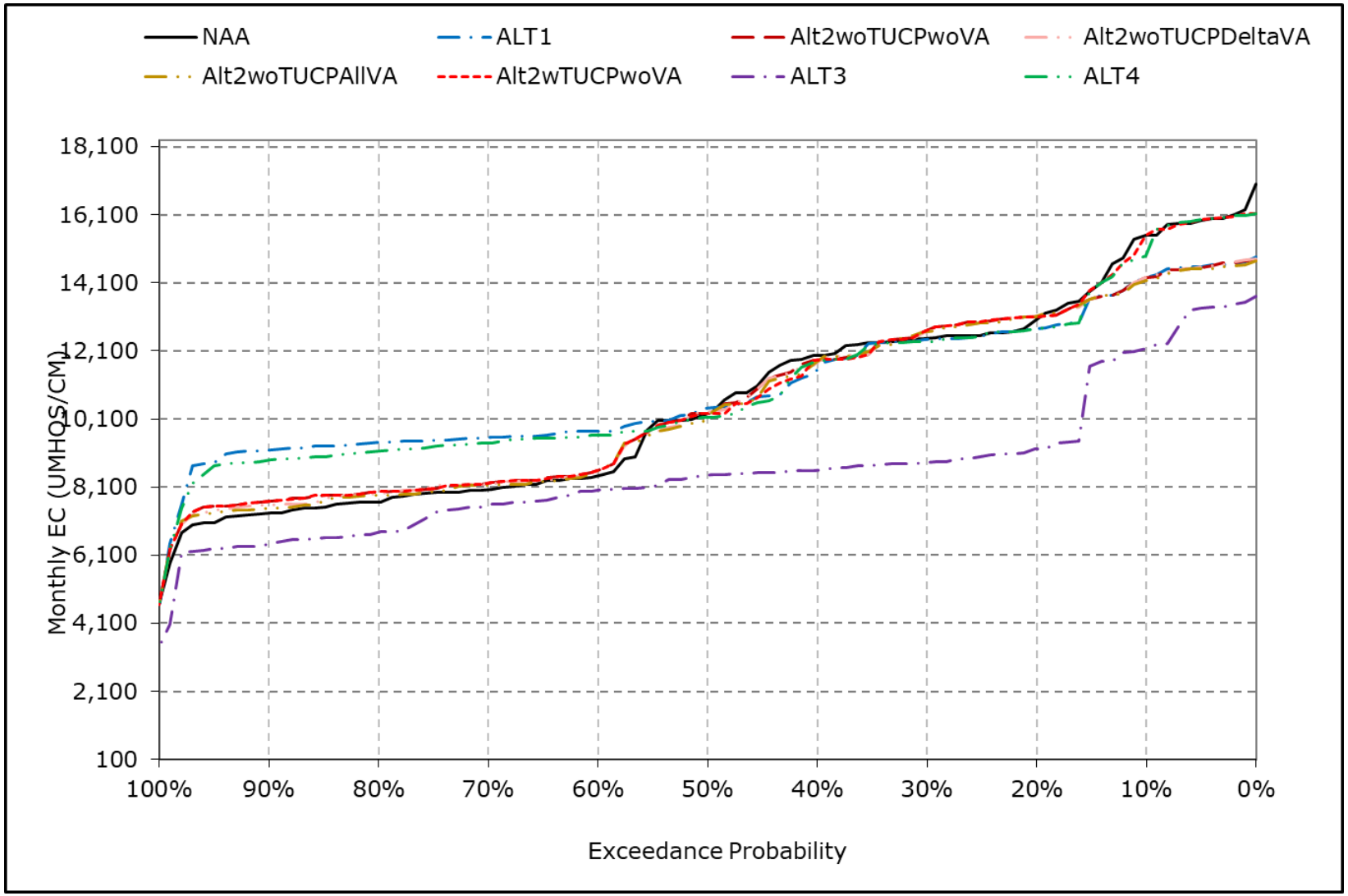
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-13-12. Chipps Island North Channel Salinity, June Electrical Conductivity



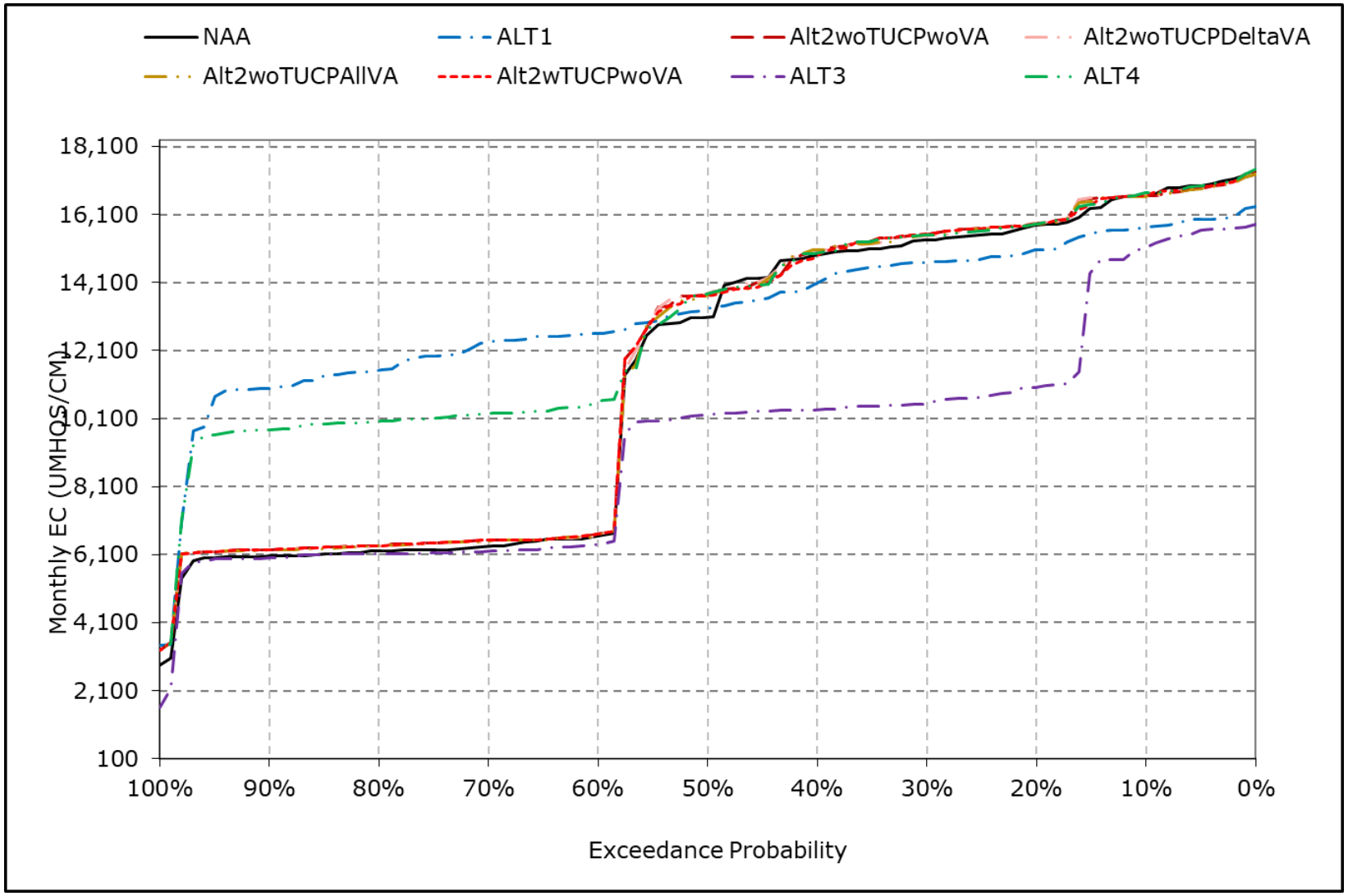
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-13-13. Chipps Island North Channel Salinity, July Electrical Conductivity



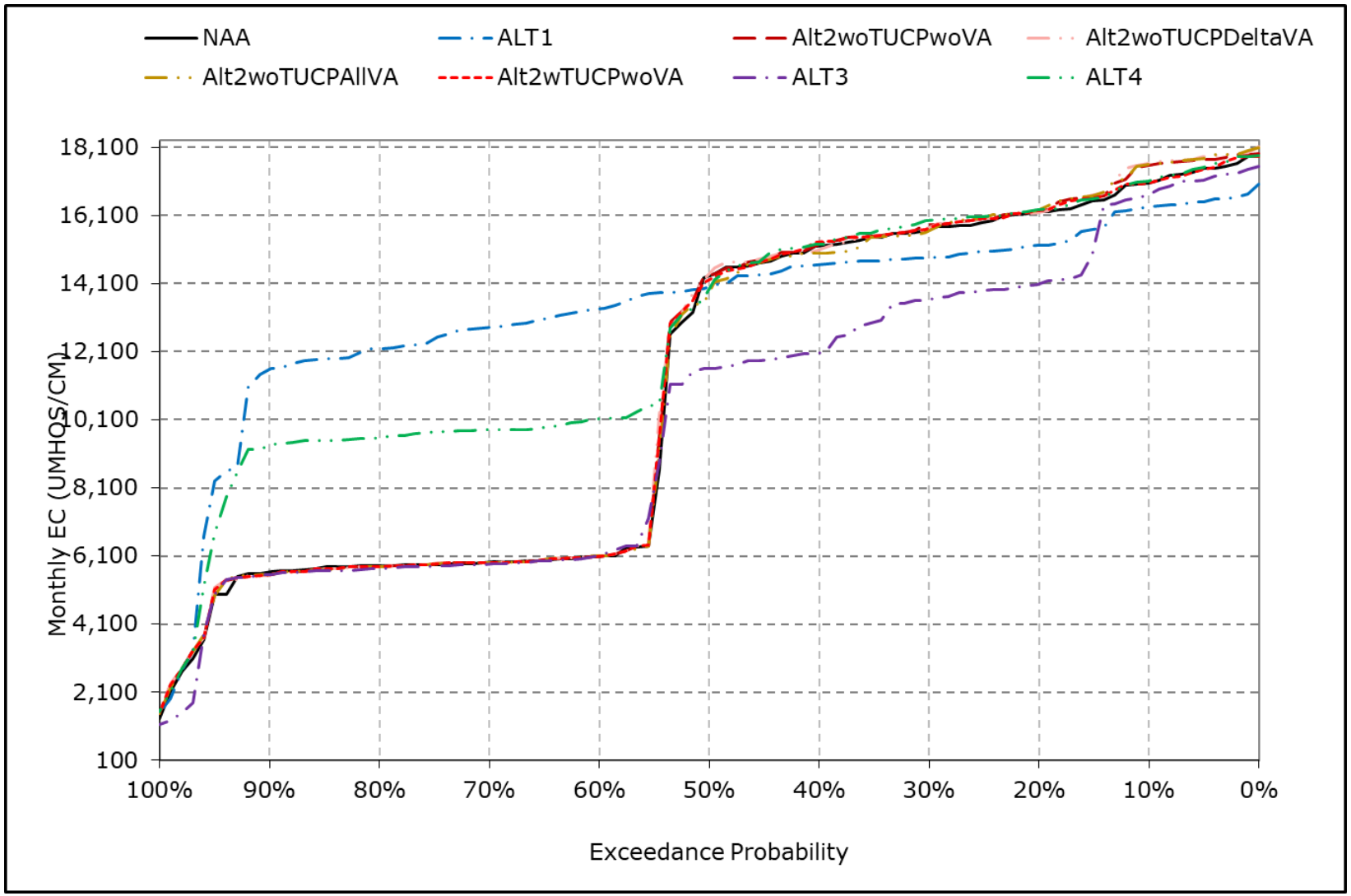
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-13-14. Chipps Island North Channel Salinity, August Electrical Conductivity



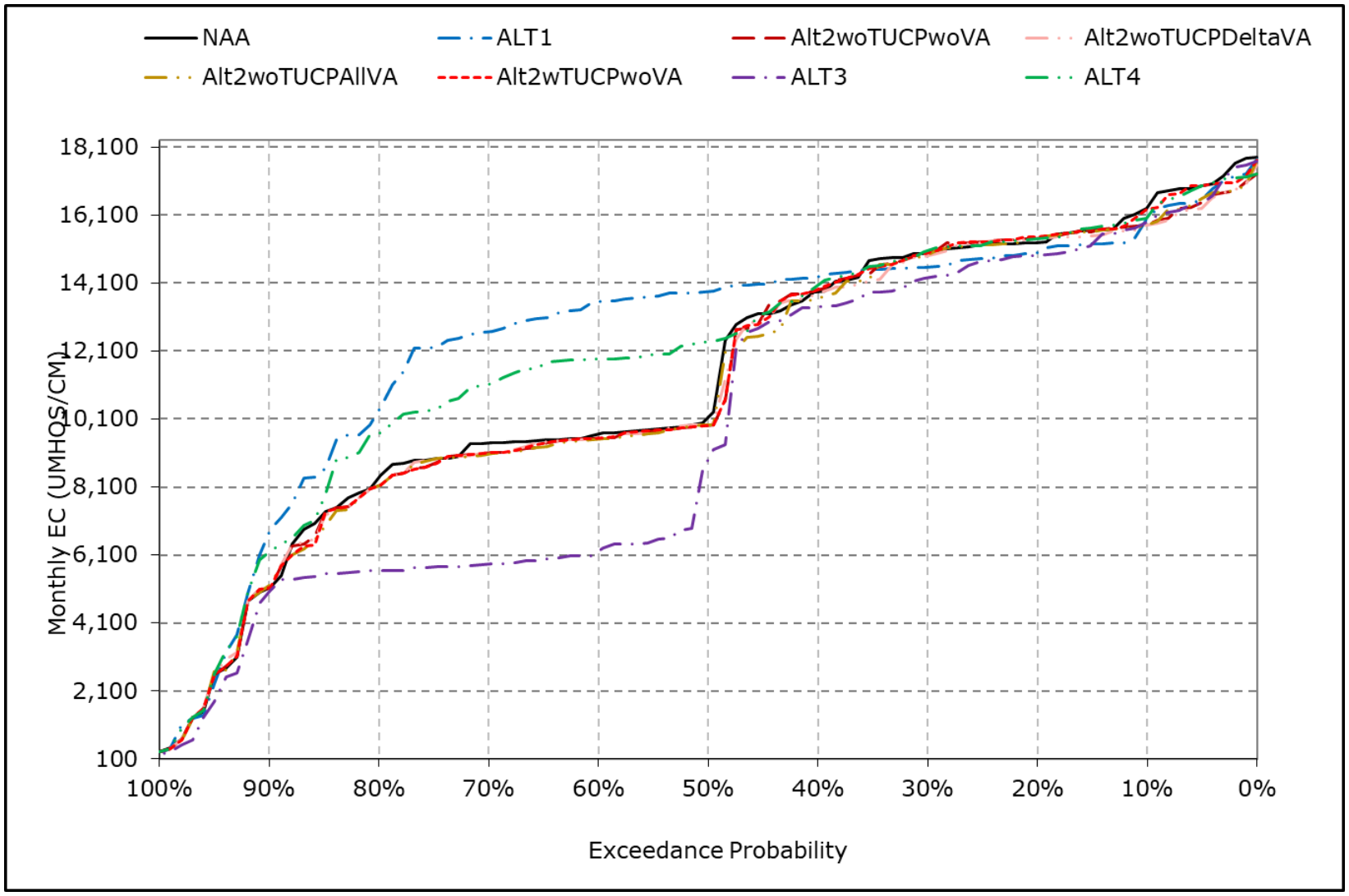
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-13-15. Chipps Island North Channel Salinity, September Electrical Conductivity



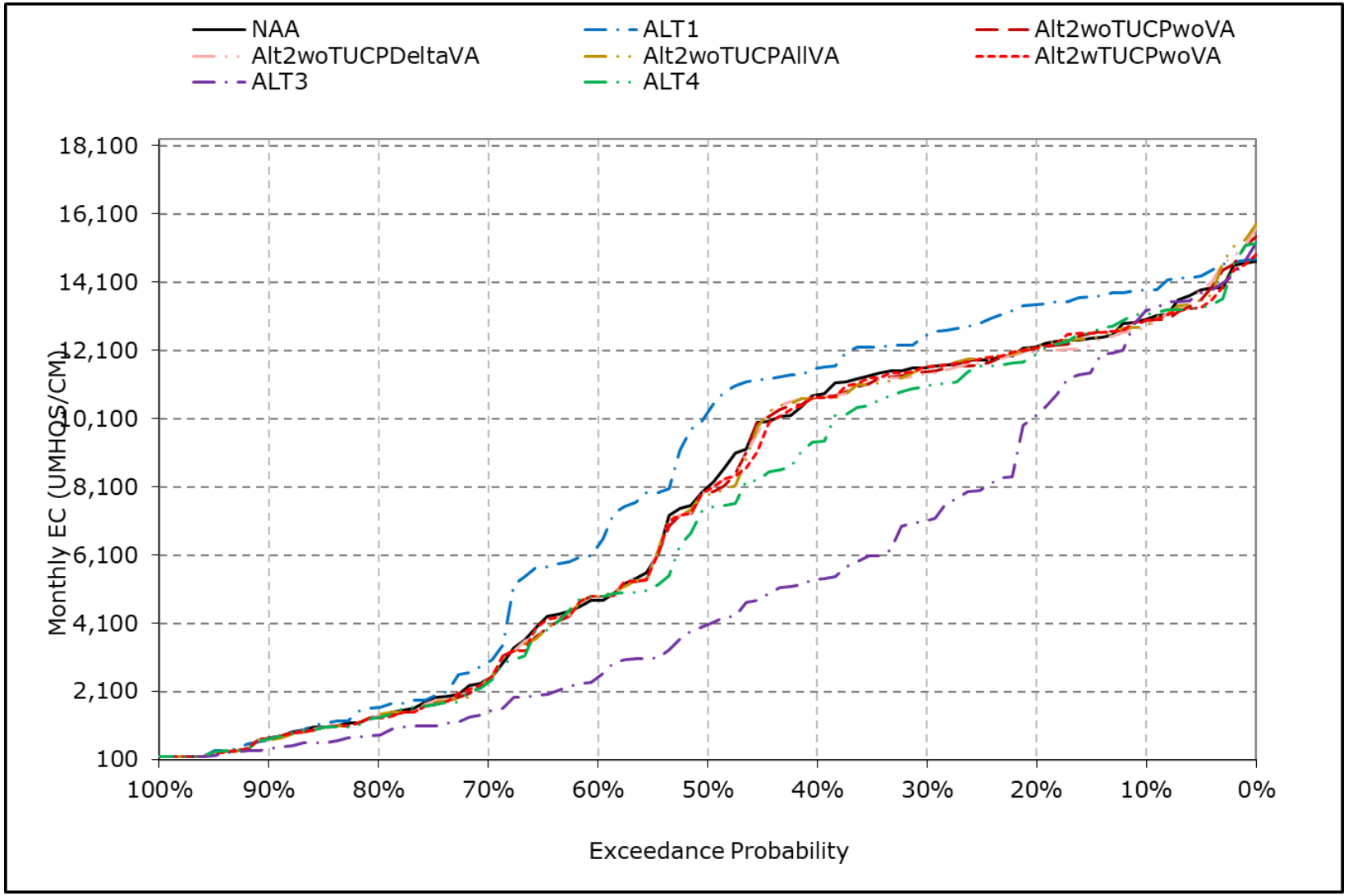
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-13-16. Chipps Island North Channel Salinity, October Electrical Conductivity



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-13-17. Chipps Island North Channel Salinity, November Electrical Conductivity



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-13-18. Chipps Island North Channel Salinity, December Electrical Conductivity

Table F.2.5-14-1a. Chipps Island South Channel Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,784	15,270	11,984	9,982	5,239	4,280	6,068	8,669	11,235	12,825	14,075	15,457
20% Exceedance	15,083	14,153	11,062	8,320	3,549	2,651	3,977	4,523	6,627	8,724	11,840	14,632
30% Exceedance	14,498	13,879	10,385	4,904	1,632	1,092	2,224	4,185	5,770	8,197	11,185	14,097
40% Exceedance	13,971	12,681	9,553	2,815	932	785	1,430	3,472	5,338	7,735	10,594	13,679
50% Exceedance	13,180	8,951	7,233	1,835	523	609	1,012	2,351	4,713	6,578	9,023	11,765
60% Exceedance	4,924	8,253	4,005	985	320	276	591	1,605	4,369	5,295	7,187	5,559
70% Exceedance	4,767	8,052	2,304	322	211	223	395	982	3,942	4,682	6,750	5,321
80% Exceedance	4,666	7,033	1,353	205	194	194	246	407	2,665	4,348	6,462	5,179
90% Exceedance	4,482	4,159	802	189	186	187	193	229	1,566	4,039	6,133	5,076
Full Simulation Period Average[a]	9,974	10,189	6,534	3,601	1,729	1,374	2,103	3,258	5,177	7,023	9,347	10,246
Wet Water Years (28%)	4,463	6,289	5,300	407	209	268	364	838	2,480	4,018	6,285	5,053
Above Normal Years (14%)	4,479	7,244	5,874	1,799	389	296	524	1,524	3,584	4,636	6,662	5,123
Below Normal Years (18%)	12,738	11,982	5,517	3,071	1,480	899	1,476	2,445	4,943	6,783	9,414	12,383
Dry Water Years (24%)	13,952	11,984	7,017	6,029	2,468	1,697	2,293	3,582	5,600	8,268	11,227	14,120
Critical Water Years (16%)	16,077	15,389	9,943	7,719	4,732	4,302	6,946	9,436	10,917	12,775	14,158	15,600

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-14-1b. Chipps Island South Channel Salinity, Alternative 1, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	14,889	14,749	12,597	10,791	5,962	4,754	4,945	6,604	7,643	9,942	12,866	14,355
20% Exceedance	13,891	13,687	12,181	10,095	4,446	2,509	3,743	4,681	6,190	8,465	11,386	13,757
30% Exceedance	13,503	13,264	11,361	7,991	2,744	1,381	2,729	4,487	5,744	8,005	10,997	13,319
40% Exceedance	13,272	12,905	10,355	4,493	1,357	1,091	1,608	4,057	4,958	7,158	10,113	12,667
50% Exceedance	12,638	12,559	9,124	2,919	750	790	1,193	2,905	4,426	6,276	9,000	11,937
60% Exceedance	12,006	12,208	5,415	1,601	412	357	725	1,991	3,822	5,168	8,417	11,171
70% Exceedance	11,427	11,321	2,547	510	214	229	452	1,066	3,326	4,815	8,157	10,971
80% Exceedance	10,771	9,103	1,420	214	195	193	258	483	2,607	4,562	8,029	10,105
90% Exceedance	10,195	5,824	769	189	186	186	194	251	1,558	3,883	7,805	9,667
Full Simulation Period Average[a]	12,071	11,329	7,300	4,460	2,064	1,484	1,966	3,178	4,755	6,645	9,637	11,830
Wet Water Years (28%)	10,110	9,263	6,060	635	236	295	438	984	2,238	4,145	7,705	9,837
Above Normal Years (14%)	11,259	11,184	6,793	2,140	504	401	659	1,828	3,208	4,633	8,000	10,650
Below Normal Years (18%)	12,013	11,664	6,211	4,164	1,887	1,127	1,708	2,931	4,398	6,300	9,114	11,458
Dry Water Years (24%)	13,044	11,384	8,040	7,631	3,048	1,989	2,534	3,850	5,721	8,102	11,044	13,351
Critical Water Years (16%)	15,054	14,839	10,246	8,764	5,354	4,151	5,222	7,467	9,464	10,981	12,925	14,487

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-14-1c. Chipps Island South Channel Salinity, Alternative 1 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-894	-521	612	809	723	475	-1,123	-2,065	-3,592	-2,882	-1,209	-1,102
20% Exceedance	-1,192	-466	1,118	1,775	898	-142	-234	158	-437	-259	-454	-875
30% Exceedance	-994	-615	976	3,087	1,112	288	505	302	-26	-193	-188	-778
40% Exceedance	-699	223	802	1,678	425	306	178	584	-381	-577	-481	-1,012
50% Exceedance	-542	3,608	1,892	1,085	227	181	181	555	-288	-302	-23	172
60% Exceedance	7,082	3,955	1,410	616	92	81	134	386	-547	-127	1,230	5,612
70% Exceedance	6,660	3,269	244	188	3	6	56	84	-616	133	1,407	5,650
80% Exceedance	6,104	2,070	68	9	1	-2	12	76	-59	214	1,567	4,926
90% Exceedance	5,712	1,665	-33	0	-1	-1	0	22	-9	-156	1,672	4,591
Full Simulation Period Average[a]	2,096	1,140	767	860	335	110	-137	-80	-422	-379	290	1,584
Wet Water Years (28%)	5,646	2,974	760	228	26	27	74	146	-242	127	1,420	4,784
Above Normal Years (14%)	6,780	3,941	919	341	115	105	135	304	-377	-2	1,339	5,527
Below Normal Years (18%)	-725	-318	693	1,093	407	229	233	486	-545	-483	-300	-925
Dry Water Years (24%)	-908	-600	1,023	1,601	580	292	241	268	121	-166	-183	-769
Critical Water Years (16%)	-1,023	-550	303	1,045	622	-150	-1,724	-1,969	-1,453	-1,794	-1,234	-1,113

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-14-2a. Chipps Island South Channel Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,784	15,270	11,984	9,982	5,239	4,280	6,068	8,669	11,235	12,825	14,075	15,457
20% Exceedance	15,083	14,153	11,062	8,320	3,549	2,651	3,977	4,523	6,627	8,724	11,840	14,632
30% Exceedance	14,498	13,879	10,385	4,904	1,632	1,092	2,224	4,185	5,770	8,197	11,185	14,097
40% Exceedance	13,971	12,681	9,553	2,815	932	785	1,430	3,472	5,338	7,735	10,594	13,679
50% Exceedance	13,180	8,951	7,233	1,835	523	609	1,012	2,351	4,713	6,578	9,023	11,765
60% Exceedance	4,924	8,253	4,005	985	320	276	591	1,605	4,369	5,295	7,187	5,559
70% Exceedance	4,767	8,052	2,304	322	211	223	395	982	3,942	4,682	6,750	5,321
80% Exceedance	4,666	7,033	1,353	205	194	194	246	407	2,665	4,348	6,462	5,179
90% Exceedance	4,482	4,159	802	189	186	187	193	229	1,566	4,039	6,133	5,076
Full Simulation Period Average[a]	9,974	10,189	6,534	3,601	1,729	1,374	2,103	3,258	5,177	7,023	9,347	10,246
Wet Water Years (28%)	4,463	6,289	5,300	407	209	268	364	838	2,480	4,018	6,285	5,053
Above Normal Years (14%)	4,479	7,244	5,874	1,799	389	296	524	1,524	3,584	4,636	6,662	5,123
Below Normal Years (18%)	12,738	11,982	5,517	3,071	1,480	899	1,476	2,445	4,943	6,783	9,414	12,383
Dry Water Years (24%)	13,952	11,984	7,017	6,029	2,468	1,697	2,293	3,582	5,600	8,268	11,227	14,120
Critical Water Years (16%)	16,077	15,389	9,943	7,719	4,732	4,302	6,946	9,436	10,917	12,775	14,158	15,600

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-14-2b. Chipps Island South Channel Salinity, Alt2woTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	16,405	14,718	11,832	9,730	4,802	3,237	4,842	6,431	7,800	10,172	12,834	15,446
20% Exceedance	15,143	14,332	11,025	7,650	3,129	2,051	3,355	4,701	6,451	8,719	11,820	14,585
30% Exceedance	14,599	13,940	10,342	4,290	1,487	1,053	2,227	4,525	6,057	8,044	11,344	14,330
40% Exceedance	14,072	12,832	9,414	3,088	938	770	1,576	4,057	5,446	7,690	10,393	13,787
50% Exceedance	13,068	8,560	7,061	1,769	531	616	1,071	2,979	4,804	6,499	8,931	12,528
60% Exceedance	4,950	8,222	4,165	958	296	276	690	1,900	4,471	5,227	7,319	5,669
70% Exceedance	4,781	7,779	2,148	323	211	223	414	1,098	4,047	4,856	6,904	5,507
80% Exceedance	4,679	6,873	1,284	203	194	196	249	456	2,654	4,487	6,643	5,384
90% Exceedance	4,530	4,133	801	189	188	187	193	253	1,578	3,998	6,415	5,231
Full Simulation Period Average[a]	10,093	10,060	6,474	3,457	1,651	1,286	1,873	3,161	5,010	6,755	9,218	10,400
Wet Water Years (28%)	4,483	6,281	5,283	386	208	271	402	978	2,507	4,107	6,514	5,166
Above Normal Years (14%)	4,529	7,022	5,936	1,795	391	296	585	1,810	3,604	4,665	6,770	5,439
Below Normal Years (18%)	12,936	11,775	5,435	3,110	1,461	888	1,607	2,907	5,082	6,679	9,264	12,608
Dry Water Years (24%)	14,036	12,036	6,939	5,590	2,228	1,672	2,386	3,825	5,761	8,313	11,305	14,301
Critical Water Years (16%)	16,409	14,933	9,734	7,478	4,624	3,796	5,102	7,458	9,412	10,966	12,911	15,566

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-14-2c. Chipps Island South Channel Salinity, Alt2woTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	622	-552	-152	-252	-437	-1,042	-1,226	-2,238	-3,435	-2,652	-1,241	-11
20% Exceedance	60	179	-37	-669	-419	-600	-622	178	-176	-5	-20	-48
30% Exceedance	101	61	-43	-614	-146	-39	3	340	287	-153	159	232
40% Exceedance	101	150	-139	273	6	-15	146	584	108	-45	-202	108
50% Exceedance	-113	-391	-172	-66	8	7	59	629	91	-79	-92	763
60% Exceedance	26	-31	161	-26	-24	1	100	295	102	-68	133	110
70% Exceedance	14	-273	-156	0	0	0	19	115	106	174	153	185
80% Exceedance	13	-160	-69	-2	0	2	3	49	-12	139	180	205
90% Exceedance	47	-26	-1	0	2	0	0	24	12	-42	282	156
Full Simulation Period Average[a]	118	-129	-60	-144	-78	-88	-230	-96	-167	-268	-129	154
Wet Water Years (28%)	19	-9	-16	-21	-1	3	38	139	27	88	229	113
Above Normal Years (14%)	50	-222	63	-4	2	0	60	286	19	29	108	317
Below Normal Years (18%)	198	-206	-82	38	-18	-11	131	461	139	-103	-150	225
Dry Water Years (24%)	84	52	-78	-439	-240	-25	93	243	161	45	78	181
Critical Water Years (16%)	332	-456	-209	-242	-108	-506	-1,844	-1,978	-1,505	-1,809	-1,247	-34

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-14-3a. Chipps Island South Channel Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,784	15,270	11,984	9,982	5,239	4,280	6,068	8,669	11,235	12,825	14,075	15,457
20% Exceedance	15,083	14,153	11,062	8,320	3,549	2,651	3,977	4,523	6,627	8,724	11,840	14,632
30% Exceedance	14,498	13,879	10,385	4,904	1,632	1,092	2,224	4,185	5,770	8,197	11,185	14,097
40% Exceedance	13,971	12,681	9,553	2,815	932	785	1,430	3,472	5,338	7,735	10,594	13,679
50% Exceedance	13,180	8,951	7,233	1,835	523	609	1,012	2,351	4,713	6,578	9,023	11,765
60% Exceedance	4,924	8,253	4,005	985	320	276	591	1,605	4,369	5,295	7,187	5,559
70% Exceedance	4,767	8,052	2,304	322	211	223	395	982	3,942	4,682	6,750	5,321
80% Exceedance	4,666	7,033	1,353	205	194	194	246	407	2,665	4,348	6,462	5,179
90% Exceedance	4,482	4,159	802	189	186	187	193	229	1,566	4,039	6,133	5,076
Full Simulation Period Average[a]	9,974	10,189	6,534	3,601	1,729	1,374	2,103	3,258	5,177	7,023	9,347	10,246
Wet Water Years (28%)	4,463	6,289	5,300	407	209	268	364	838	2,480	4,018	6,285	5,053
Above Normal Years (14%)	4,479	7,244	5,874	1,799	389	296	524	1,524	3,584	4,636	6,662	5,123
Below Normal Years (18%)	12,738	11,982	5,517	3,071	1,480	899	1,476	2,445	4,943	6,783	9,414	12,383
Dry Water Years (24%)	13,952	11,984	7,017	6,029	2,468	1,697	2,293	3,582	5,600	8,268	11,227	14,120
Critical Water Years (16%)	16,077	15,389	9,943	7,719	4,732	4,302	6,946	9,436	10,917	12,775	14,158	15,600

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-14-3b. Chipps Island South Channel Salinity, Alt2woTUCPDeltaVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	16,412	14,740	11,675	9,735	5,187	3,385	4,507	6,401	7,804	10,108	12,862	15,438
20% Exceedance	15,096	14,282	11,002	7,388	3,140	2,158	2,811	4,701	6,743	8,727	11,832	14,653
30% Exceedance	14,550	13,818	10,360	4,415	1,670	976	2,088	4,415	6,083	8,128	11,308	14,266
40% Exceedance	13,912	12,710	9,540	3,076	971	722	1,336	3,588	5,393	7,714	10,381	13,779
50% Exceedance	13,142	8,639	7,143	2,242	533	524	933	2,760	4,831	6,572	8,975	12,517
60% Exceedance	4,969	8,225	4,179	951	299	274	599	1,867	4,500	5,213	7,296	5,633
70% Exceedance	4,783	7,736	2,138	324	213	223	394	1,112	4,075	4,796	6,898	5,487
80% Exceedance	4,673	6,872	1,299	205	195	196	252	449	2,636	4,409	6,604	5,355
90% Exceedance	4,531	4,166	791	189	188	187	193	252	1,586	3,995	6,311	5,216
Full Simulation Period Average[a]	10,107	10,033	6,475	3,561	1,747	1,228	1,745	3,094	5,032	6,736	9,185	10,392
Wet Water Years (28%)	4,487	6,278	5,300	411	209	268	387	970	2,531	4,073	6,493	5,163
Above Normal Years (14%)	4,529	7,020	5,862	1,804	392	293	460	1,622	3,641	4,606	6,687	5,410
Below Normal Years (18%)	12,961	11,779	5,434	3,200	1,456	749	1,362	2,852	5,133	6,687	9,196	12,599
Dry Water Years (24%)	14,014	11,981	6,872	5,699	2,326	1,479	2,141	3,702	5,768	8,321	11,294	14,288
Critical Water Years (16%)	16,499	14,841	9,895	7,808	5,085	3,884	5,080	7,459	9,411	10,938	12,908	15,575

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-14-3c. Chipps Island South Channel Salinity, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	629	-530	-310	-248	-52	-894	-1,560	-2,269	-3,431	-2,717	-1,213	-19
20% Exceedance	13	128	-61	-931	-409	-492	-1,166	178	116	3	-8	20
30% Exceedance	52	-60	-25	-488	38	-116	-136	230	312	-70	123	169
40% Exceedance	-59	28	-13	260	39	-62	-94	116	54	-21	-214	99
50% Exceedance	-38	-312	-90	407	10	-86	-79	409	118	-6	-48	752
60% Exceedance	45	-27	174	-34	-22	-2	8	262	131	-81	109	75
70% Exceedance	16	-316	-166	1	2	0	-1	130	133	114	148	165
80% Exceedance	7	-161	-53	0	1	2	5	42	-30	61	142	176
90% Exceedance	49	7	-11	0	2	0	0	23	19	-45	179	140
Full Simulation Period Average[a]	133	-156	-59	-40	19	-146	-358	-164	-144	-287	-162	146
Wet Water Years (28%)	24	-11	0	4	0	1	22	131	51	55	208	110
Above Normal Years (14%)	50	-224	-12	6	3	-3	-64	98	57	-29	26	287
Below Normal Years (18%)	223	-203	-83	128	-23	-150	-114	407	190	-95	-218	216
Dry Water Years (24%)	63	-3	-145	-331	-142	-218	-151	120	168	54	67	168
Critical Water Years (16%)	422	-548	-48	89	353	-417	-1,866	-1,977	-1,506	-1,837	-1,250	-25

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-14-4a. Chipps Island South Channel Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,784	15,270	11,984	9,982	5,239	4,280	6,068	8,669	11,235	12,825	14,075	15,457
20% Exceedance	15,083	14,153	11,062	8,320	3,549	2,651	3,977	4,523	6,627	8,724	11,840	14,632
30% Exceedance	14,498	13,879	10,385	4,904	1,632	1,092	2,224	4,185	5,770	8,197	11,185	14,097
40% Exceedance	13,971	12,681	9,553	2,815	932	785	1,430	3,472	5,338	7,735	10,594	13,679
50% Exceedance	13,180	8,951	7,233	1,835	523	609	1,012	2,351	4,713	6,578	9,023	11,765
60% Exceedance	4,924	8,253	4,005	985	320	276	591	1,605	4,369	5,295	7,187	5,559
70% Exceedance	4,767	8,052	2,304	322	211	223	395	982	3,942	4,682	6,750	5,321
80% Exceedance	4,666	7,033	1,353	205	194	194	246	407	2,665	4,348	6,462	5,179
90% Exceedance	4,482	4,159	802	189	186	187	193	229	1,566	4,039	6,133	5,076
Full Simulation Period Average[a]	9,974	10,189	6,534	3,601	1,729	1,374	2,103	3,258	5,177	7,023	9,347	10,246
Wet Water Years (28%)	4,463	6,289	5,300	407	209	268	364	838	2,480	4,018	6,285	5,053
Above Normal Years (14%)	4,479	7,244	5,874	1,799	389	296	524	1,524	3,584	4,636	6,662	5,123
Below Normal Years (18%)	12,738	11,982	5,517	3,071	1,480	899	1,476	2,445	4,943	6,783	9,414	12,383
Dry Water Years (24%)	13,952	11,984	7,017	6,029	2,468	1,697	2,293	3,582	5,600	8,268	11,227	14,120
Critical Water Years (16%)	16,077	15,389	9,943	7,719	4,732	4,302	6,946	9,436	10,917	12,775	14,158	15,600

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-14-4b. Chipps Island South Channel Salinity, Alt2woTUCPAllVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	16,394	14,734	11,693	9,760	5,192	3,055	4,283	5,987	7,213	10,244	12,716	15,460
20% Exceedance	15,198	14,303	11,121	7,135	3,077	1,841	2,571	4,250	6,379	8,703	11,857	14,621
30% Exceedance	14,505	13,850	10,354	5,044	1,660	960	1,739	3,896	5,922	8,191	11,327	14,253
40% Exceedance	13,813	12,517	9,516	2,983	926	707	1,072	3,106	5,205	7,775	10,277	13,777
50% Exceedance	12,656	8,561	7,008	2,135	545	528	760	2,121	4,759	6,621	8,818	12,404
60% Exceedance	4,968	8,185	4,177	889	292	271	509	1,509	4,430	5,120	7,274	5,645
70% Exceedance	4,778	7,728	2,125	320	212	223	375	1,030	3,887	4,772	6,817	5,478
80% Exceedance	4,677	6,877	1,387	204	195	196	241	410	2,658	4,381	6,596	5,343
90% Exceedance	4,514	4,218	741	189	188	187	193	251	1,608	3,967	6,207	5,219
Full Simulation Period Average[a]	10,053	10,011	6,492	3,516	1,645	1,182	1,552	2,720	4,860	6,716	9,140	10,371
Wet Water Years (28%)	4,481	6,283	5,304	402	209	270	382	944	2,526	4,064	6,464	5,156
Above Normal Years (14%)	4,542	7,024	5,830	1,778	391	293	409	1,322	3,521	4,565	6,576	5,413
Below Normal Years (18%)	12,677	11,640	5,433	3,145	1,455	743	1,032	2,270	4,957	6,683	9,109	12,506
Dry Water Years (24%)	14,021	11,884	6,913	5,779	2,316	1,449	1,812	3,190	5,541	8,354	11,303	14,287
Critical Water Years (16%)	16,469	15,005	9,968	7,510	4,461	3,650	4,792	6,854	8,985	10,822	12,855	15,559

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-14-4c. Chipps Island South Channel Salinity, Alt2woTUCPAllVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	610	-536	-291	-223	-47	-1,224	-1,785	-2,683	-4,022	-2,581	-1,359	3
20% Exceedance	115	149	59	-1,185	-472	-810	-1,406	-273	-248	-21	17	-12
30% Exceedance	8	-28	-32	140	28	-132	-485	-289	152	-7	141	155
40% Exceedance	-158	-164	-37	168	-6	-78	-358	-367	-133	40	-317	98
50% Exceedance	-525	-390	-225	300	22	-81	-252	-229	46	43	-205	639
60% Exceedance	44	-68	172	-96	-28	-4	-82	-96	61	-174	87	87
70% Exceedance	11	-323	-178	-2	1	0	-20	48	-55	90	67	157
80% Exceedance	11	-157	35	-1	0	2	-5	3	-7	33	133	165
90% Exceedance	31	59	-61	0	2	0	0	22	42	-72	75	143
Full Simulation Period Average[a]	79	-178	-42	-85	-84	-192	-551	-538	-317	-307	-207	125
Wet Water Years (28%)	17	-7	4	-5	0	2	18	106	46	45	178	103
Above Normal Years (14%)	63	-220	-43	-21	2	-3	-116	-202	-63	-70	-86	290
Below Normal Years (18%)	-61	-342	-84	74	-25	-156	-443	-176	14	-99	-305	123
Dry Water Years (24%)	69	-100	-104	-251	-152	-249	-481	-392	-59	87	77	167
Critical Water Years (16%)	392	-384	25	-209	-271	-652	-2,154	-2,582	-1,932	-1,953	-1,303	-41

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-14-5a. Chipps Island South Channel Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,784	15,270	11,984	9,982	5,239	4,280	6,068	8,669	11,235	12,825	14,075	15,457
20% Exceedance	15,083	14,153	11,062	8,320	3,549	2,651	3,977	4,523	6,627	8,724	11,840	14,632
30% Exceedance	14,498	13,879	10,385	4,904	1,632	1,092	2,224	4,185	5,770	8,197	11,185	14,097
40% Exceedance	13,971	12,681	9,553	2,815	932	785	1,430	3,472	5,338	7,735	10,594	13,679
50% Exceedance	13,180	8,951	7,233	1,835	523	609	1,012	2,351	4,713	6,578	9,023	11,765
60% Exceedance	4,924	8,253	4,005	985	320	276	591	1,605	4,369	5,295	7,187	5,559
70% Exceedance	4,767	8,052	2,304	322	211	223	395	982	3,942	4,682	6,750	5,321
80% Exceedance	4,666	7,033	1,353	205	194	194	246	407	2,665	4,348	6,462	5,179
90% Exceedance	4,482	4,159	802	189	186	187	193	229	1,566	4,039	6,133	5,076
Full Simulation Period Average[a]	9,974	10,189	6,534	3,601	1,729	1,374	2,103	3,258	5,177	7,023	9,347	10,246
Wet Water Years (28%)	4,463	6,289	5,300	407	209	268	364	838	2,480	4,018	6,285	5,053
Above Normal Years (14%)	4,479	7,244	5,874	1,799	389	296	524	1,524	3,584	4,636	6,662	5,123
Below Normal Years (18%)	12,738	11,982	5,517	3,071	1,480	899	1,476	2,445	4,943	6,783	9,414	12,383
Dry Water Years (24%)	13,952	11,984	7,017	6,029	2,468	1,697	2,293	3,582	5,600	8,268	11,227	14,120
Critical Water Years (16%)	16,077	15,389	9,943	7,719	4,732	4,302	6,946	9,436	10,917	12,775	14,158	15,600

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-14-5b. Chipps Island South Channel Salinity, Alt2wTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,825	15,191	11,827	9,828	4,802	4,332	5,392	8,283	11,392	12,888	14,076	15,471
20% Exceedance	15,126	14,358	11,113	7,546	3,349	2,668	4,045	4,701	6,447	9,034	11,818	14,584
30% Exceedance	14,549	13,940	10,378	5,298	1,396	1,076	2,321	4,525	6,064	8,097	11,345	14,335
40% Exceedance	14,133	12,853	9,411	2,971	940	769	1,575	3,935	5,546	7,662	10,377	13,657
50% Exceedance	12,976	8,560	7,159	1,714	539	617	1,071	2,979	4,805	6,441	8,914	12,448
60% Exceedance	4,949	8,222	4,161	940	296	276	690	1,899	4,471	5,227	7,320	5,669
70% Exceedance	4,781	7,778	2,205	313	211	223	414	1,097	4,047	4,856	6,903	5,508
80% Exceedance	4,677	6,872	1,285	203	194	194	248	456	2,654	4,486	6,665	5,383
90% Exceedance	4,519	4,159	800	189	188	187	193	253	1,566	3,996	6,414	5,229
Full Simulation Period Average[a]	10,038	10,103	6,467	3,475	1,698	1,383	2,152	3,458	5,217	6,993	9,378	10,385
Wet Water Years (28%)	4,482	6,282	5,280	384	208	271	402	977	2,507	4,108	6,515	5,165
Above Normal Years (14%)	4,527	7,028	5,941	1,787	389	296	584	1,809	3,603	4,665	6,769	5,438
Below Normal Years (18%)	12,907	11,730	5,464	3,133	1,447	879	1,607	2,906	5,086	6,603	9,151	12,520
Dry Water Years (24%)	14,022	12,024	7,012	5,679	2,231	1,672	2,386	3,823	5,759	8,311	11,304	14,300
Critical Water Years (16%)	16,106	15,286	9,537	7,442	4,933	4,413	6,849	9,319	10,707	12,542	14,038	15,578

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-14-5c. Chipps Island South Channel Salinity, Alt2wTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	41	-80	-157	-154	-437	52	-675	-386	157	63	1	14
20% Exceedance	42	205	51	-773	-200	18	68	178	-180	310	-22	-48
30% Exceedance	51	61	-7	394	-237	-17	97	340	294	-100	160	238
40% Exceedance	162	171	-142	156	8	-15	145	463	208	-73	-218	-22
50% Exceedance	-204	-391	-74	-121	16	7	59	629	91	-137	-110	683
60% Exceedance	26	-31	157	-44	-24	0	99	294	102	-68	133	111
70% Exceedance	14	-274	-98	-9	0	0	19	115	105	174	153	186
80% Exceedance	11	-161	-67	-2	0	0	2	49	-12	138	203	204
90% Exceedance	36	0	-2	0	2	0	0	24	-1	-43	281	153
Full Simulation Period Average[a]	64	-86	-67	-125	-31	9	50	201	40	-30	31	140
Wet Water Years (28%)	19	-8	-20	-23	-1	3	38	139	27	89	230	112
Above Normal Years (14%)	48	-216	67	-11	0	-1	60	285	18	30	108	315
Below Normal Years (18%)	169	-252	-54	62	-33	-19	131	461	143	-180	-264	136
Dry Water Years (24%)	70	40	-5	-350	-237	-25	93	240	159	43	77	179
Critical Water Years (16%)	29	-103	-405	-277	201	111	-97	-117	-210	-233	-120	-22

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-14-6a. Chipps Island South Channel Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,784	15,270	11,984	9,982	5,239	4,280	6,068	8,669	11,235	12,825	14,075	15,457
20% Exceedance	15,083	14,153	11,062	8,320	3,549	2,651	3,977	4,523	6,627	8,724	11,840	14,632
30% Exceedance	14,498	13,879	10,385	4,904	1,632	1,092	2,224	4,185	5,770	8,197	11,185	14,097
40% Exceedance	13,971	12,681	9,553	2,815	932	785	1,430	3,472	5,338	7,735	10,594	13,679
50% Exceedance	13,180	8,951	7,233	1,835	523	609	1,012	2,351	4,713	6,578	9,023	11,765
60% Exceedance	4,924	8,253	4,005	985	320	276	591	1,605	4,369	5,295	7,187	5,559
70% Exceedance	4,767	8,052	2,304	322	211	223	395	982	3,942	4,682	6,750	5,321
80% Exceedance	4,666	7,033	1,353	205	194	194	246	407	2,665	4,348	6,462	5,179
90% Exceedance	4,482	4,159	802	189	186	187	193	229	1,566	4,039	6,133	5,076
Full Simulation Period Average[a]	9,974	10,189	6,534	3,601	1,729	1,374	2,103	3,258	5,177	7,023	9,347	10,246
Wet Water Years (28%)	4,463	6,289	5,300	407	209	268	364	838	2,480	4,018	6,285	5,053
Above Normal Years (14%)	4,479	7,244	5,874	1,799	389	296	524	1,524	3,584	4,636	6,662	5,123
Below Normal Years (18%)	12,738	11,982	5,517	3,071	1,480	899	1,476	2,445	4,943	6,783	9,414	12,383
Dry Water Years (24%)	13,952	11,984	7,017	6,029	2,468	1,697	2,293	3,582	5,600	8,268	11,227	14,120
Critical Water Years (16%)	16,077	15,389	9,943	7,719	4,732	4,302	6,946	9,436	10,917	12,775	14,158	15,600

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-14-6b. Chipps Island South Channel Salinity, Alternative 3, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,478	14,919	12,194	6,819	3,236	2,914	3,723	5,937	8,005	8,926	10,810	13,837
20% Exceedance	12,805	13,762	9,194	4,620	1,757	1,581	2,036	3,963	5,863	8,218	8,015	9,745
30% Exceedance	12,305	13,097	6,076	2,871	906	753	1,655	2,963	5,312	7,225	7,625	9,246
40% Exceedance	10,845	12,179	4,536	1,499	569	585	1,104	2,131	4,873	6,956	7,374	9,024
50% Exceedance	10,309	7,648	3,320	836	385	368	613	1,422	4,231	6,591	7,159	8,884
60% Exceedance	4,971	5,122	2,197	591	271	258	373	681	3,853	6,281	6,743	5,327
70% Exceedance	4,726	4,739	1,410	240	203	211	278	446	3,470	5,543	6,367	5,170
80% Exceedance	4,633	4,556	760	202	194	198	227	251	2,799	4,802	5,549	5,062
90% Exceedance	4,493	3,963	463	190	188	189	192	197	1,916	3,946	5,274	4,934
Full Simulation Period Average[a]	8,956	8,820	4,652	2,294	1,136	967	1,466	2,376	4,511	6,551	7,347	8,146
Wet Water Years (28%)	4,315	4,187	2,713	307	205	228	305	459	2,490	4,122	5,282	4,798
Above Normal Years (14%)	4,537	4,310	2,607	713	263	240	418	788	3,599	6,301	6,600	5,117
Below Normal Years (18%)	10,101	10,844	4,922	1,904	814	491	867	1,897	4,846	7,523	7,725	9,005
Dry Water Years (24%)	11,993	11,538	6,368	3,397	1,426	1,086	1,509	2,704	4,661	6,654	7,278	9,258
Critical Water Years (16%)	15,807	15,199	7,250	5,941	3,455	3,250	5,027	7,165	8,244	9,776	11,291	14,022

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-14-6c. Chipps Island South Channel Salinity, Alternative 3 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-306	-351	210	-3,163	-2,003	-1,366	-2,345	-2,732	-3,230	-3,898	-3,264	-1,621
20% Exceedance	-2,278	-391	-1,868	-3,700	-1,792	-1,070	-1,941	-560	-764	-506	-3,825	-4,887
30% Exceedance	-2,192	-782	-4,309	-2,032	-726	-339	-569	-1,223	-458	-973	-3,561	-4,852
40% Exceedance	-3,126	-502	-5,017	-1,317	-363	-200	-326	-1,342	-466	-779	-3,220	-4,655
50% Exceedance	-2,872	-1,303	-3,912	-998	-138	-242	-399	-928	-482	13	-1,864	-2,881
60% Exceedance	48	-3,131	-1,807	-394	-49	-18	-217	-924	-516	986	-444	-232
70% Exceedance	-42	-3,313	-893	-82	-8	-12	-117	-536	-472	861	-383	-151
80% Exceedance	-34	-2,477	-593	-3	0	4	-19	-156	133	454	-913	-117
90% Exceedance	11	-196	-338	0	2	1	-1	-32	350	-93	-859	-142
Full Simulation Period Average[a]	-1,018	-1,369	-1,881	-1,306	-593	-407	-636	-882	-665	-472	-2,000	-2,100
Wet Water Years (28%)	-148	-2,102	-2,587	-100	-5	-40	-59	-379	10	103	-1,003	-255
Above Normal Years (14%)	58	-2,934	-3,266	-1,085	-126	-56	-106	-736	15	1,665	-62	-6
Below Normal Years (18%)	-2,637	-1,137	-596	-1,167	-666	-407	-609	-548	-97	740	-1,689	-3,379
Dry Water Years (24%)	-1,959	-445	-649	-2,633	-1,042	-611	-784	-879	-938	-1,614	-3,949	-4,862
Critical Water Years (16%)	-270	-190	-2,693	-1,778	-1,277	-1,052	-1,919	-2,271	-2,673	-2,998	-2,867	-1,578

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-14-7a. Chipps Island South Channel Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,784	15,270	11,984	9,982	5,239	4,280	6,068	8,669	11,235	12,825	14,075	15,457
20% Exceedance	15,083	14,153	11,062	8,320	3,549	2,651	3,977	4,523	6,627	8,724	11,840	14,632
30% Exceedance	14,498	13,879	10,385	4,904	1,632	1,092	2,224	4,185	5,770	8,197	11,185	14,097
40% Exceedance	13,971	12,681	9,553	2,815	932	785	1,430	3,472	5,338	7,735	10,594	13,679
50% Exceedance	13,180	8,951	7,233	1,835	523	609	1,012	2,351	4,713	6,578	9,023	11,765
60% Exceedance	4,924	8,253	4,005	985	320	276	591	1,605	4,369	5,295	7,187	5,559
70% Exceedance	4,767	8,052	2,304	322	211	223	395	982	3,942	4,682	6,750	5,321
80% Exceedance	4,666	7,033	1,353	205	194	194	246	407	2,665	4,348	6,462	5,179
90% Exceedance	4,482	4,159	802	189	186	187	193	229	1,566	4,039	6,133	5,076
Full Simulation Period Average[a]	9,974	10,189	6,534	3,601	1,729	1,374	2,103	3,258	5,177	7,023	9,347	10,246
Wet Water Years (28%)	4,463	6,289	5,300	407	209	268	364	838	2,480	4,018	6,285	5,053
Above Normal Years (14%)	4,479	7,244	5,874	1,799	389	296	524	1,524	3,584	4,636	6,662	5,123
Below Normal Years (18%)	12,738	11,982	5,517	3,071	1,480	899	1,476	2,445	4,943	6,783	9,414	12,383
Dry Water Years (24%)	13,952	11,984	7,017	6,029	2,468	1,697	2,293	3,582	5,600	8,268	11,227	14,120
Critical Water Years (16%)	16,077	15,389	9,943	7,719	4,732	4,302	6,946	9,436	10,917	12,775	14,158	15,600

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-14-7b. Chipps Island South Channel Salinity, Alternative 4, Monthly Electrical Conductivity (UMHOS/CM)

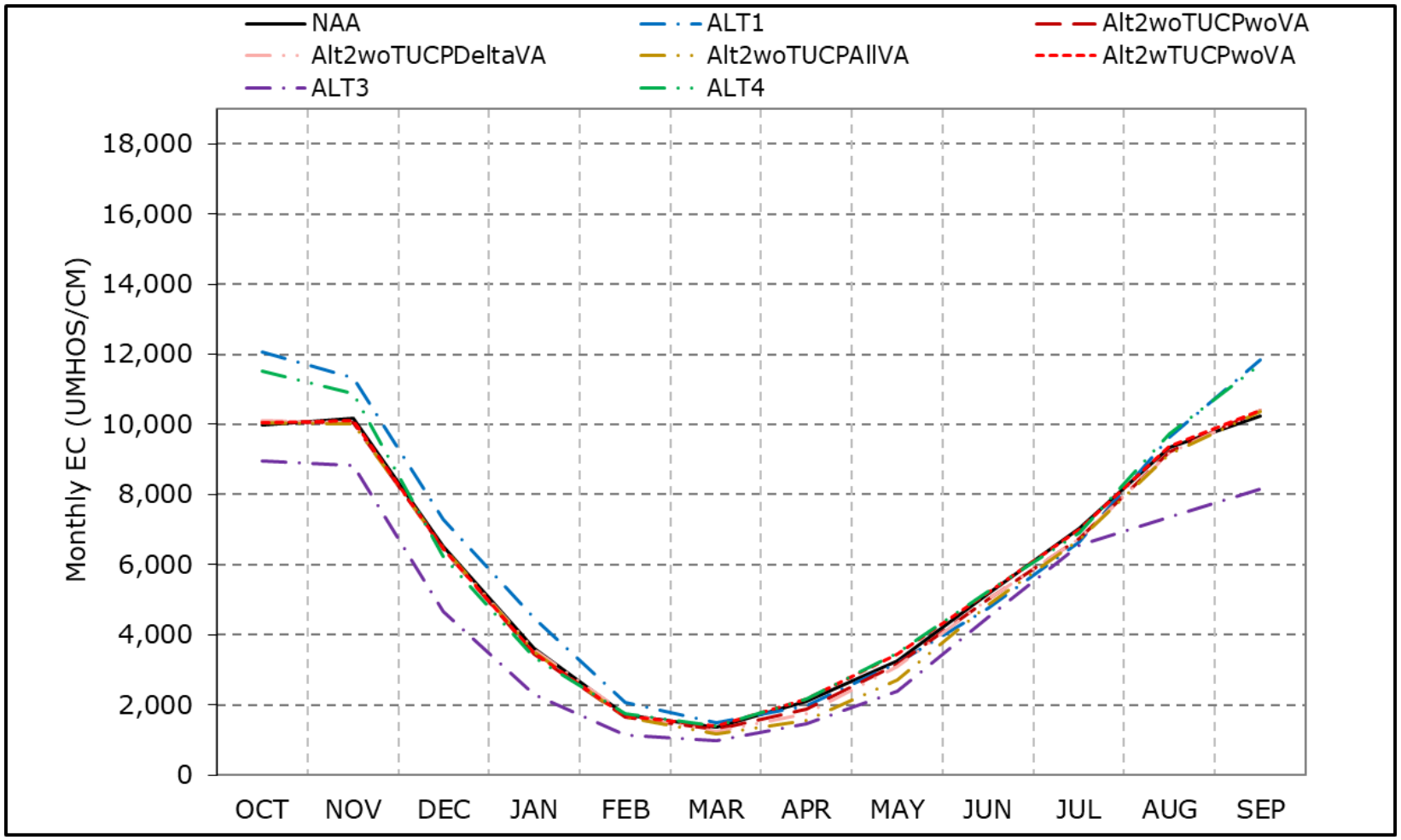
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,899	14,981	12,099	9,509	5,263	4,466	5,422	8,294	11,616	12,639	13,505	15,527
20% Exceedance	15,096	14,288	10,799	7,402	3,527	2,680	4,104	4,650	6,555	8,609	11,345	14,542
30% Exceedance	14,755	13,833	9,827	4,664	1,676	1,036	2,290	4,506	6,056	7,972	10,992	14,255
40% Exceedance	14,125	12,941	8,309	2,491	898	769	1,576	3,924	5,648	7,360	10,368	13,706
50% Exceedance	12,695	11,005	6,461	1,627	572	607	1,081	3,020	4,810	6,364	8,818	12,419
60% Exceedance	8,771	10,492	4,080	800	296	278	658	1,983	4,495	5,199	8,304	9,350
70% Exceedance	8,473	9,795	2,164	312	210	218	415	1,100	4,045	4,801	8,064	9,031
80% Exceedance	8,293	8,386	1,302	202	194	194	249	457	2,632	4,480	7,818	8,780
90% Exceedance	8,095	5,132	768	189	187	187	193	249	1,563	4,018	7,482	8,537
Full Simulation Period Average[a]	11,506	10,888	6,243	3,342	1,758	1,412	2,152	3,470	5,242	6,914	9,719	11,717
Wet Water Years (28%)	7,754	8,043	4,720	371	210	274	405	979	2,497	4,090	7,492	8,206
Above Normal Years (14%)	8,103	8,941	5,671	1,222	361	299	587	1,817	3,611	4,634	7,977	9,007
Below Normal Years (18%)	12,872	11,773	5,440	2,806	1,479	869	1,548	2,927	5,138	6,456	9,002	12,456
Dry Water Years (24%)	14,088	12,017	6,930	5,730	2,543	1,741	2,363	3,824	5,765	8,113	11,019	14,248
Critical Water Years (16%)	16,145	15,279	9,525	7,420	4,825	4,498	6,944	9,359	10,806	12,566	13,996	15,602

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-14-7c. Chipps Island South Channel Salinity, Alternative 4 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

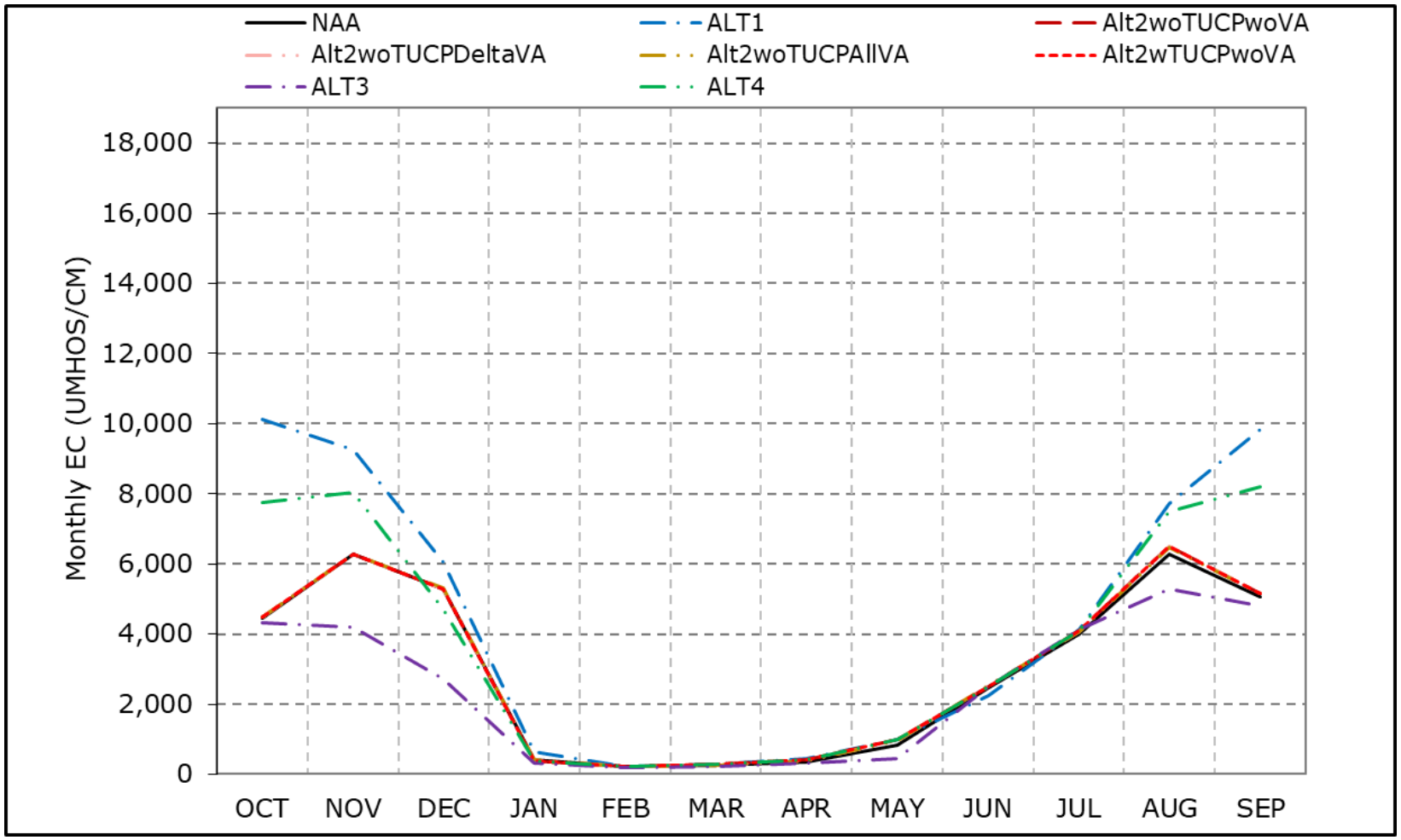
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	115	-289	115	-473	25	187	-646	-375	381	-186	-569	70
20% Exceedance	13	135	-263	-917	-22	30	127	128	-72	-114	-495	-90
30% Exceedance	257	-46	-558	-240	44	-56	66	320	285	-225	-193	157
40% Exceedance	154	259	-1,244	-325	-34	-15	146	452	310	-375	-227	26
50% Exceedance	-485	2,054	-772	-207	49	-3	69	669	97	-215	-205	655
60% Exceedance	3,847	2,239	75	-185	-25	3	67	378	126	-96	1,117	3,791
70% Exceedance	3,706	1,743	-139	-10	-1	-6	19	118	103	119	1,314	3,710
80% Exceedance	3,627	1,353	-50	-3	-1	0	2	49	-33	132	1,356	3,601
90% Exceedance	3,612	973	-33	0	1	-1	0	20	-3	-21	1,349	3,461
Full Simulation Period Average[a]	1,532	699	-290	-258	29	39	50	213	66	-109	372	1,471
Wet Water Years (28%)	3,291	1,754	-580	-36	0	6	41	140	17	72	1,207	3,153
Above Normal Years (14%)	3,624	1,697	-203	-577	-28	2	62	294	27	-1	1,315	3,884
Below Normal Years (18%)	134	-209	-78	-266	-1	-30	72	482	195	-327	-412	73
Dry Water Years (24%)	136	33	-87	-299	75	44	71	241	166	-155	-208	128
Critical Water Years (16%)	68	-110	-418	-299	93	196	-2	-77	-111	-209	-162	2

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



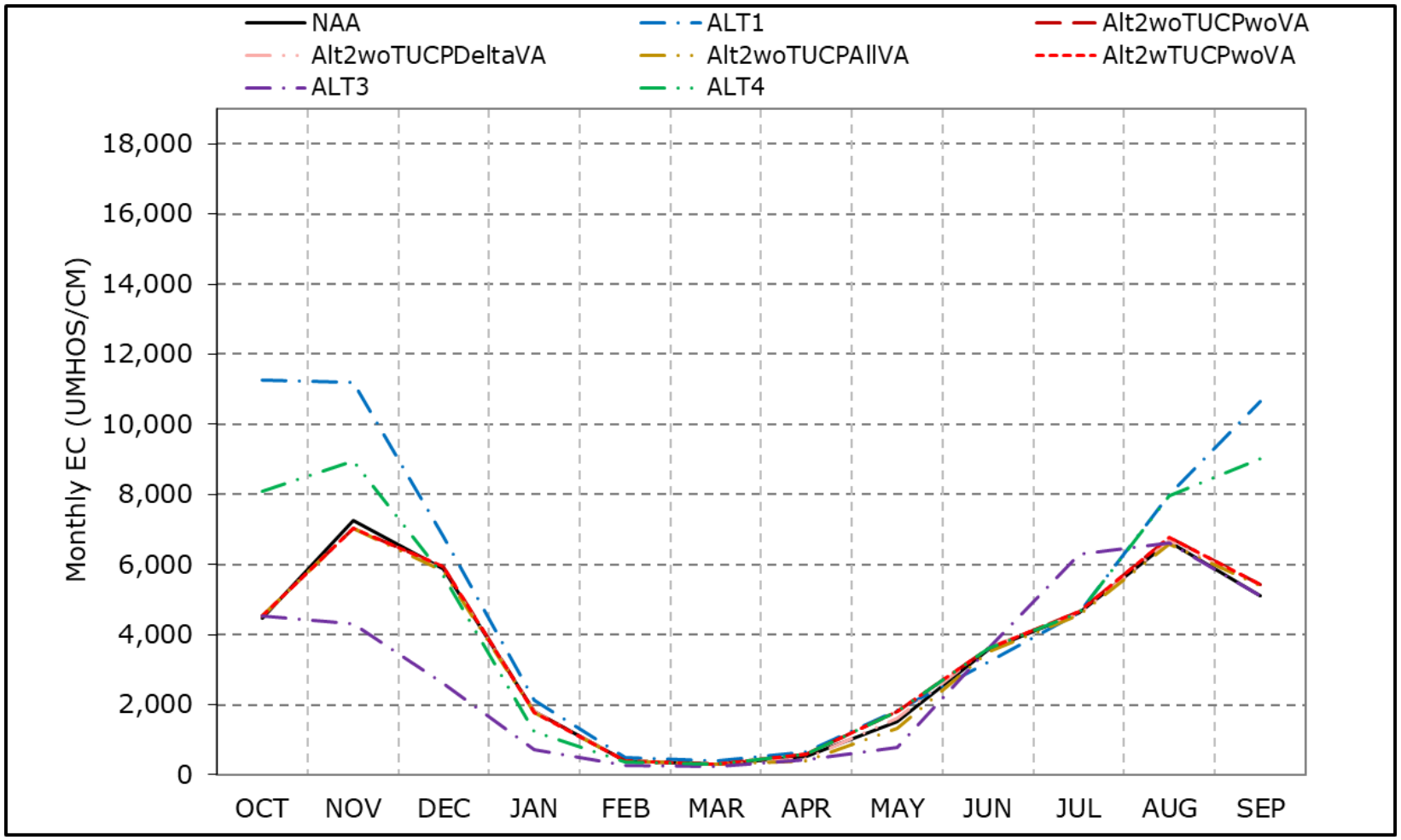
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-14-1. Chipps Island South Channel Salinity, Long-Term Average Electrical Conductivity



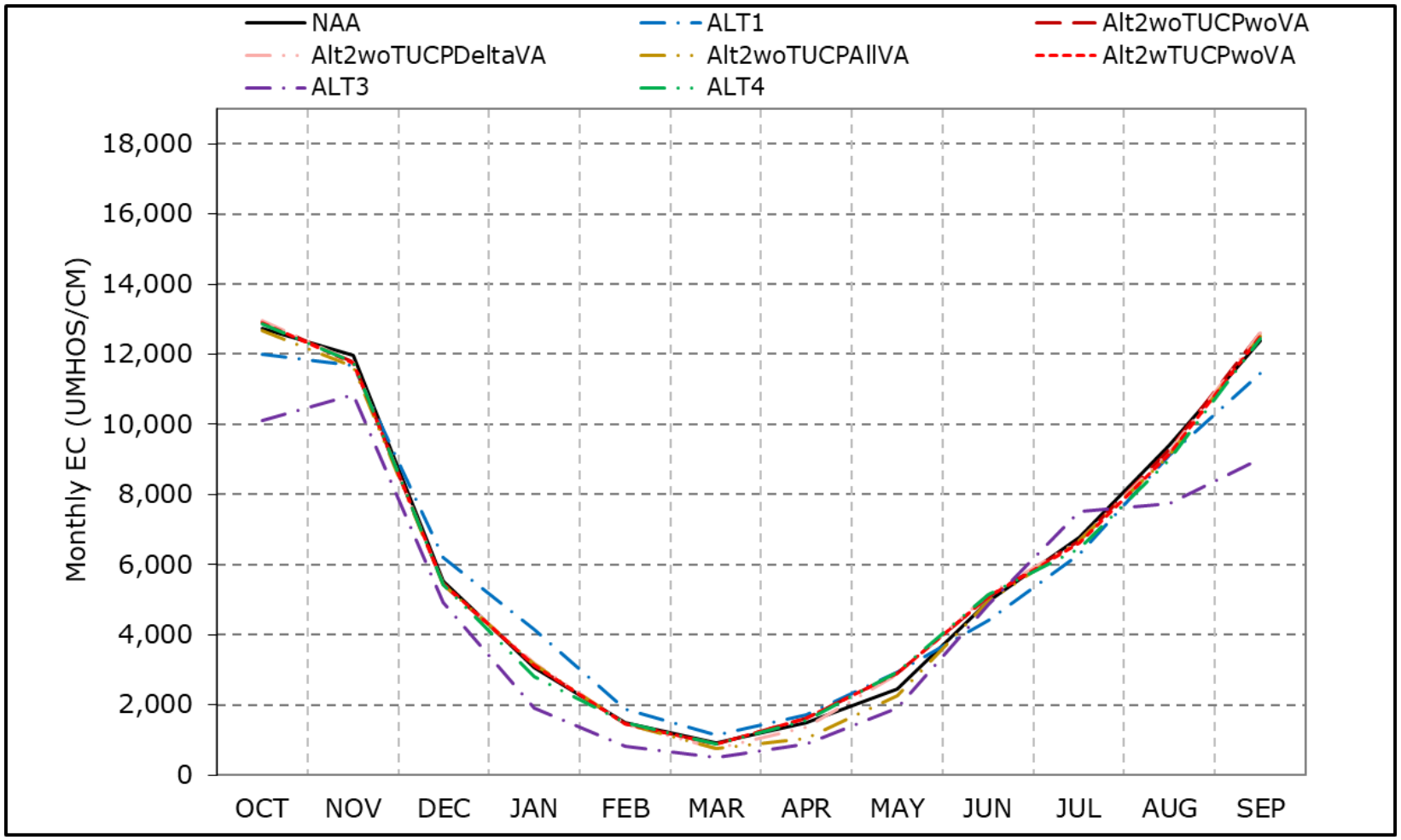
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-14-2. Chipps Island South Channel Salinity, Wet Year Average Electrical Conductivity



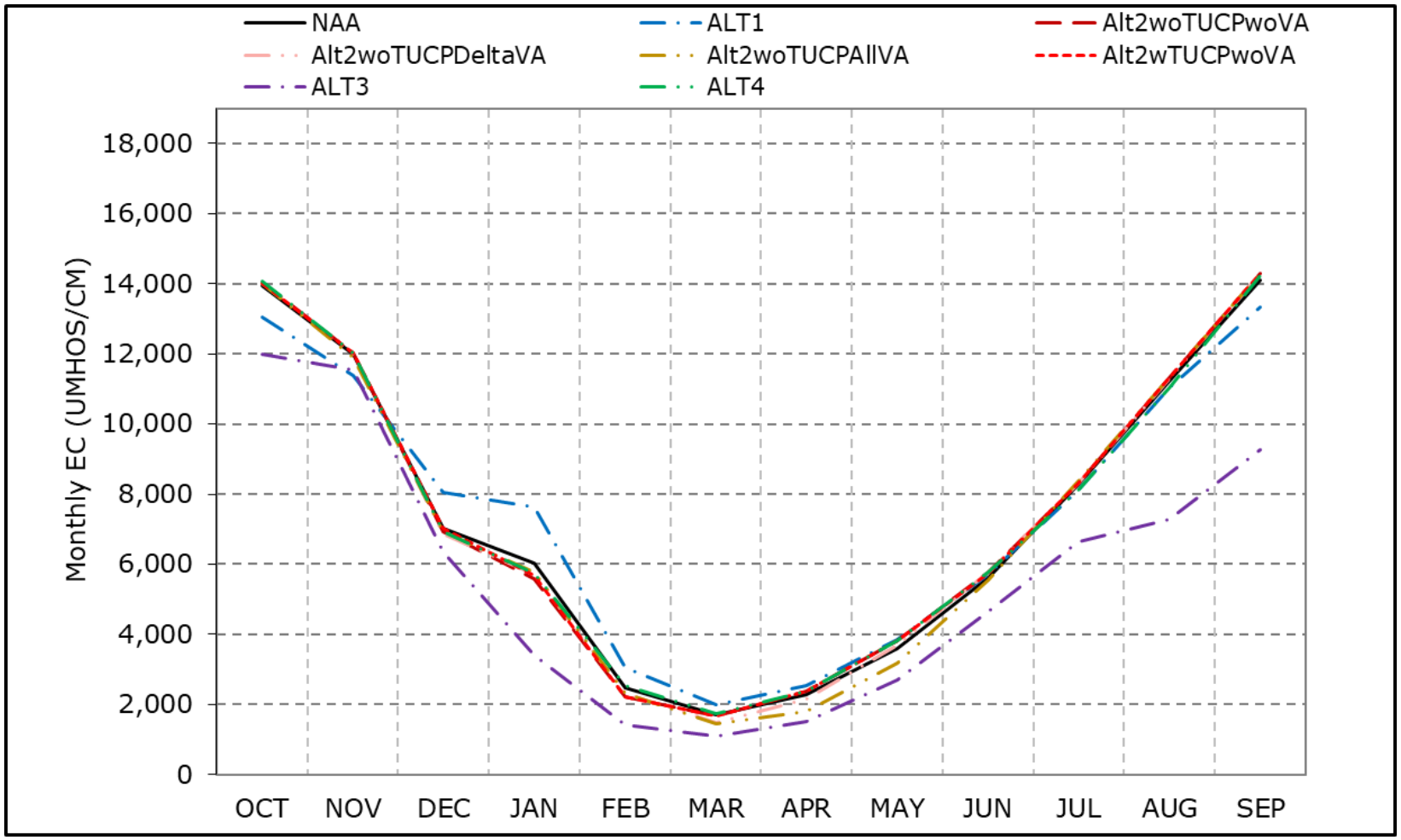
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-14-3. Chipps Island South Channel Salinity, Above Normal Year Average Electrical Conductivity



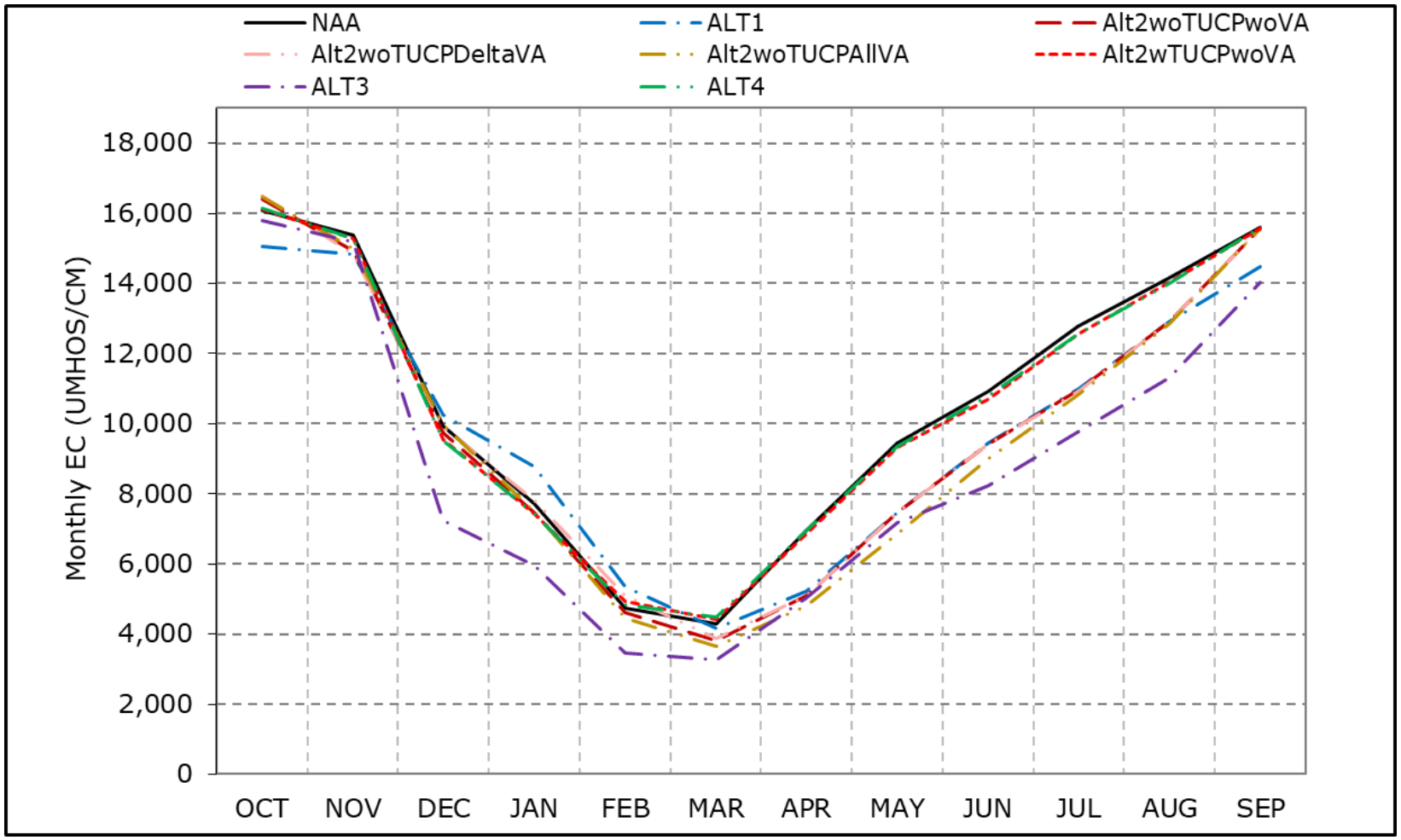
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-14-4. Chipps Island South Channel Salinity, Below Normal Year Average Electrical Conductivity



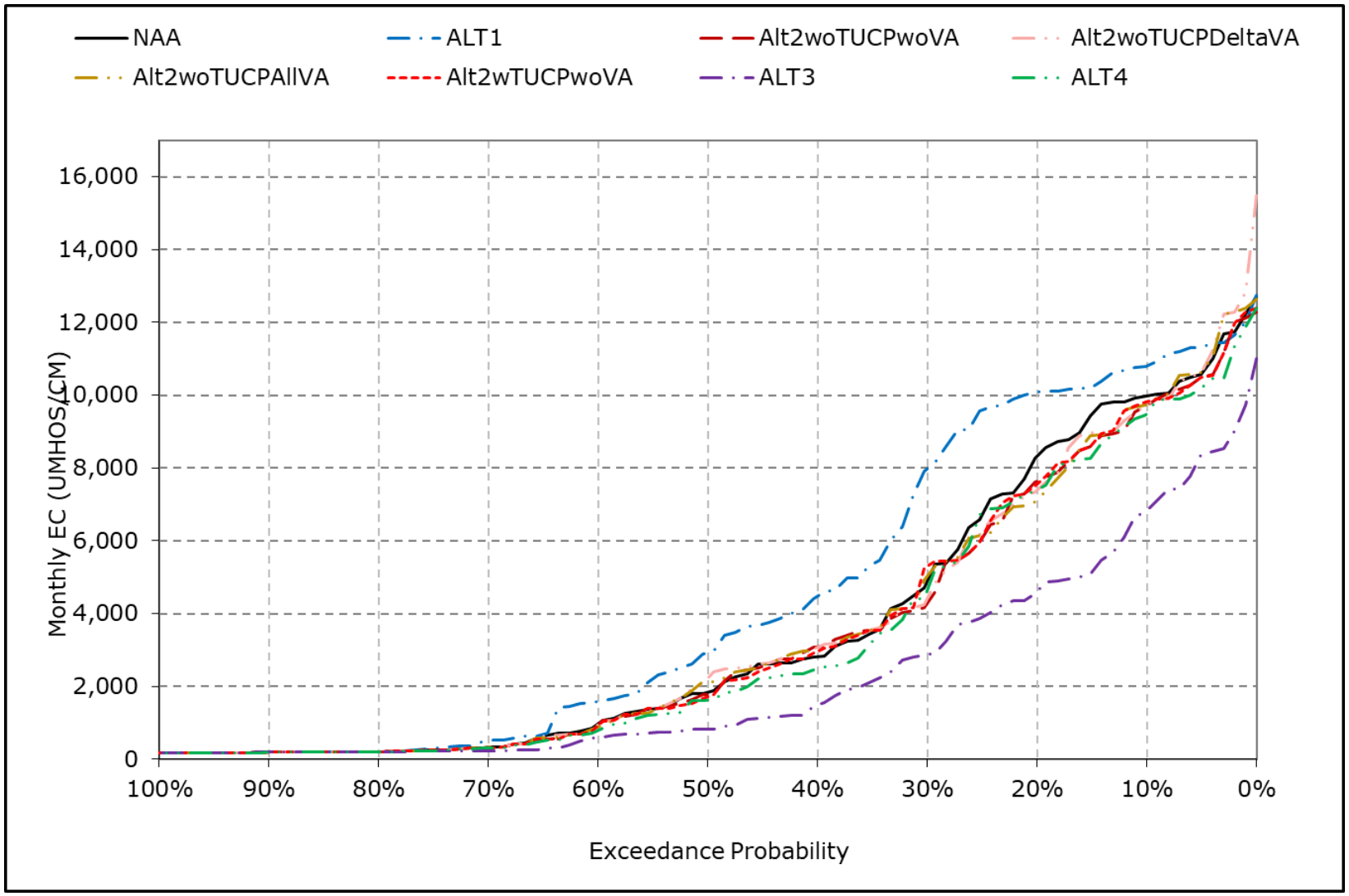
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-14-5. Chipps Island South Channel Salinity, Dry Year Average Electrical Conductivity



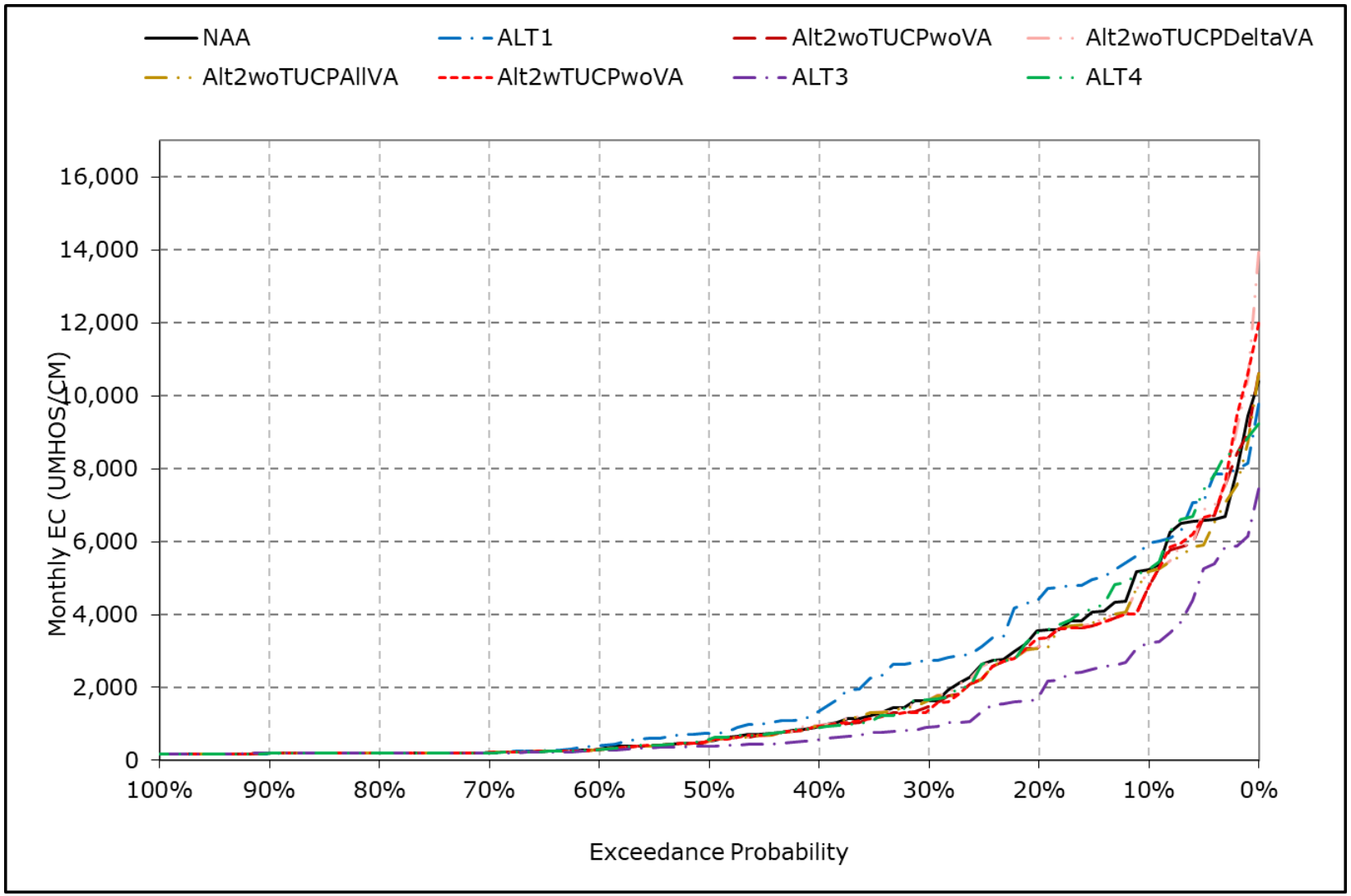
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-14-6. Chipps Island South Channel Salinity, Critical Year Average Electrical Conductivity



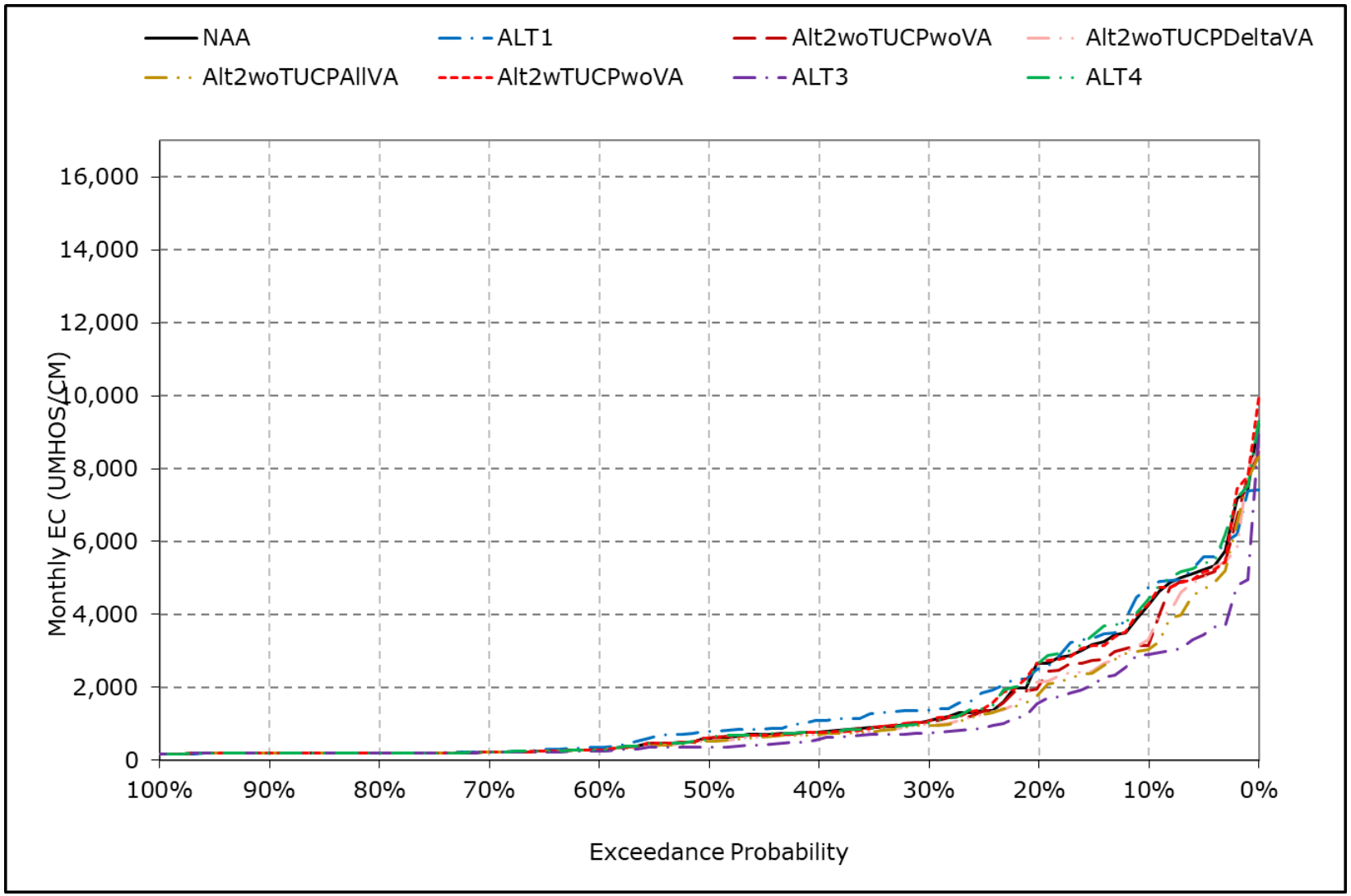
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-14-7. Chipps Island South Channel Salinity, January Electrical Conductivity



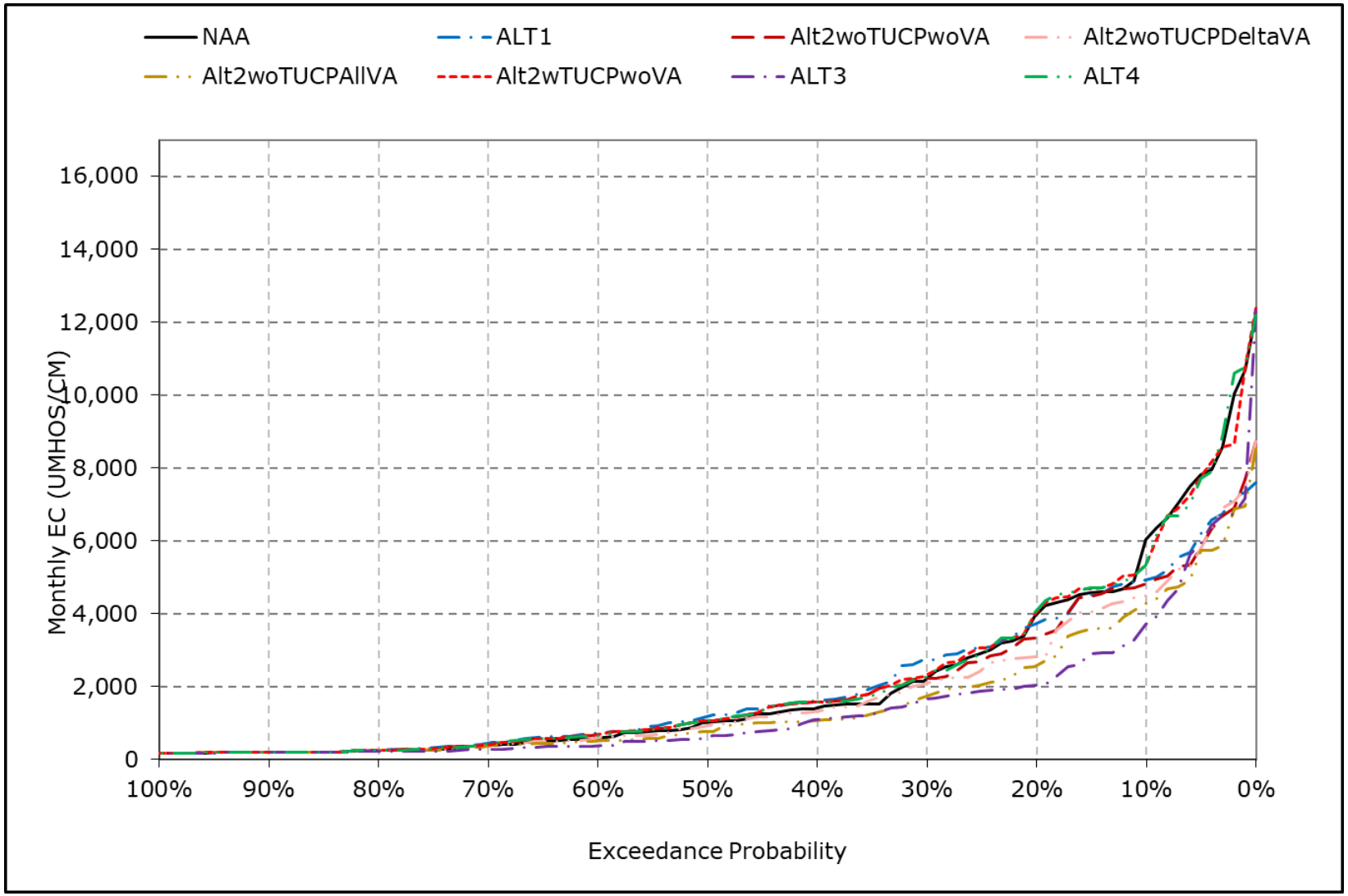
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-14-8. Chipps Island South Channel Salinity, February Electrical Conductivity



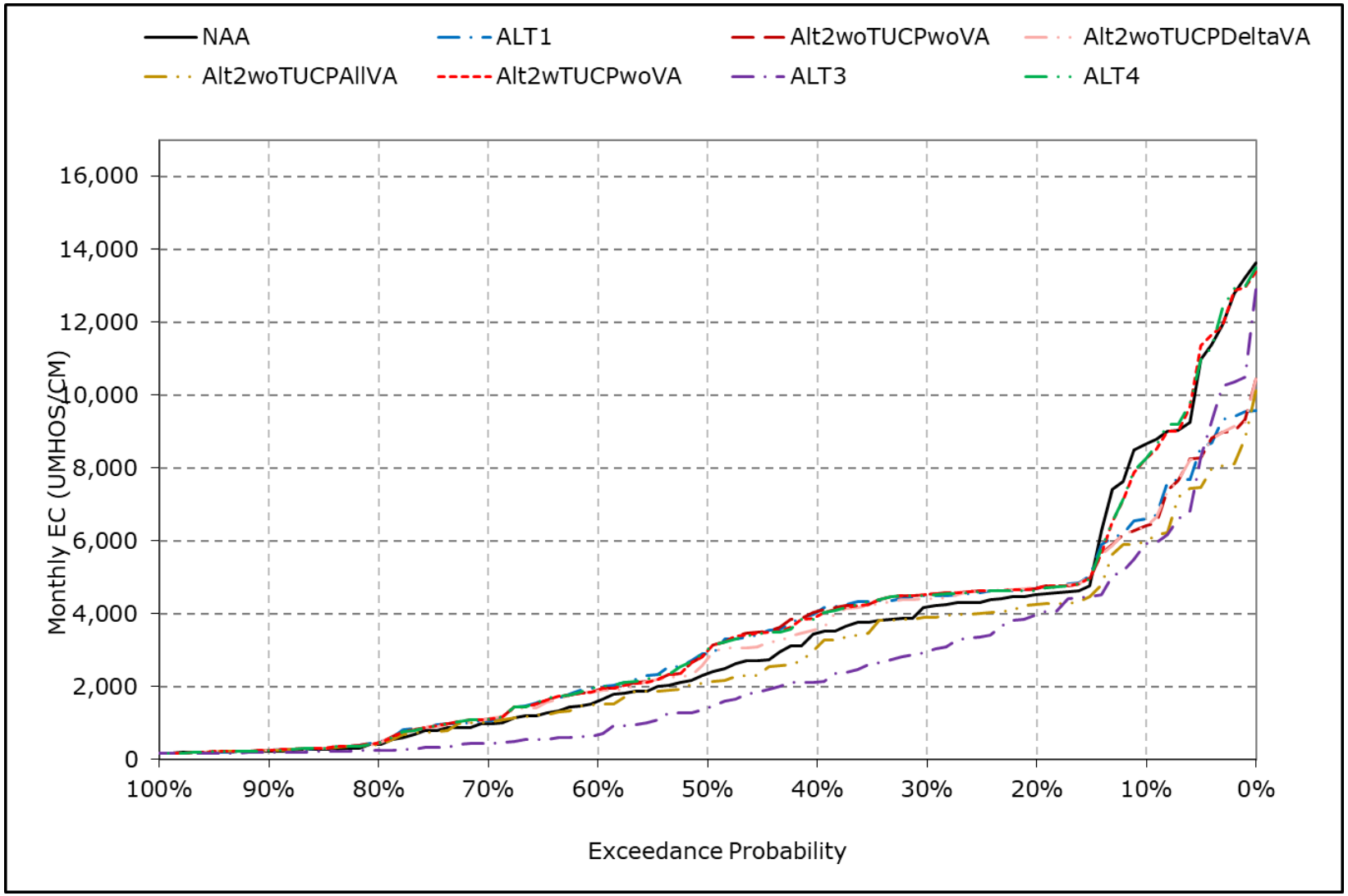
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-14-9. Chipps Island South Channel Salinity, March Electrical Conductivity



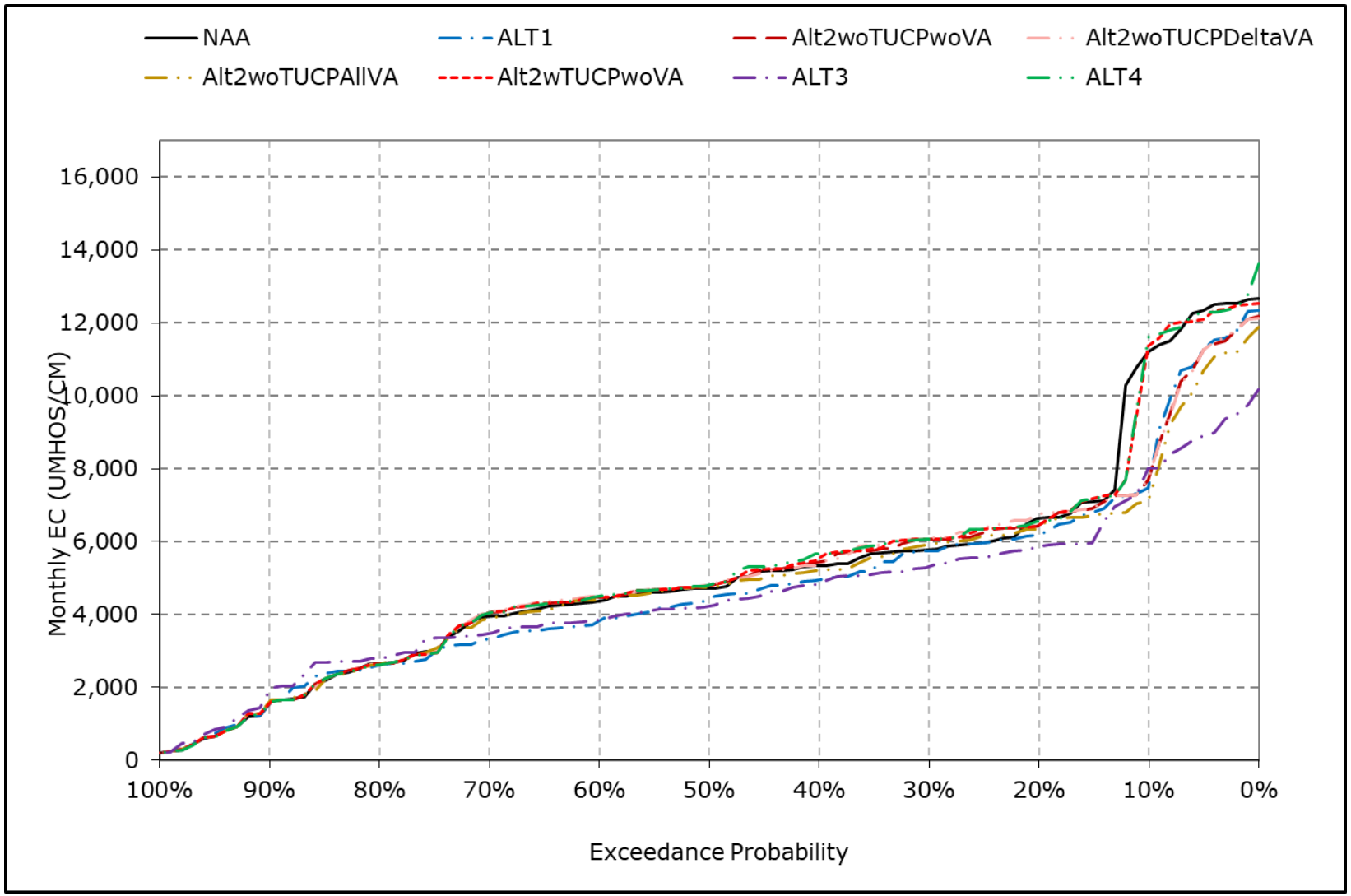
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-14-10. Chipps Island South Channel Salinity, April Electrical Conductivity



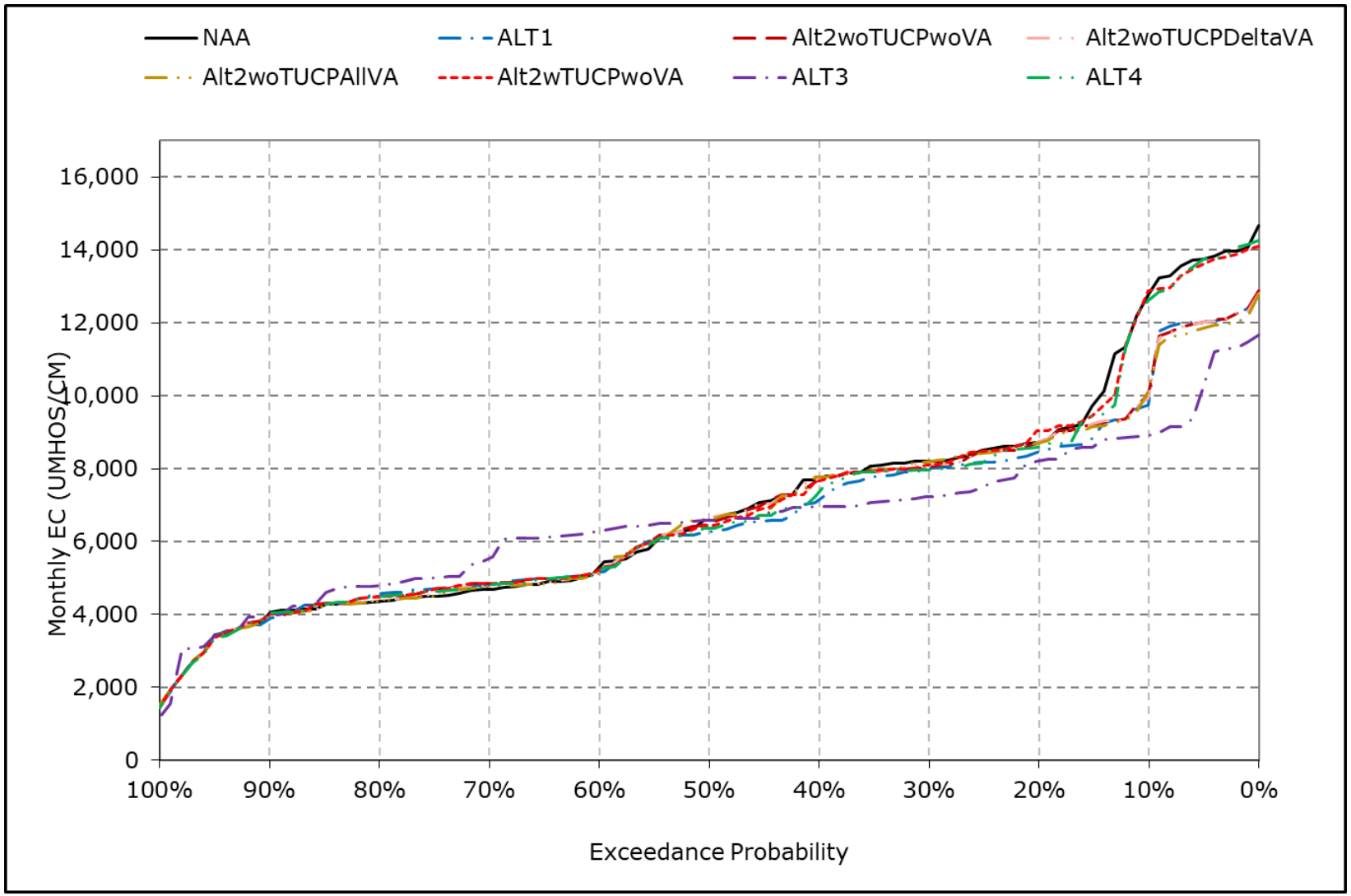
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-14-11. Chipps Island South Channel Salinity, May Electrical Conductivity



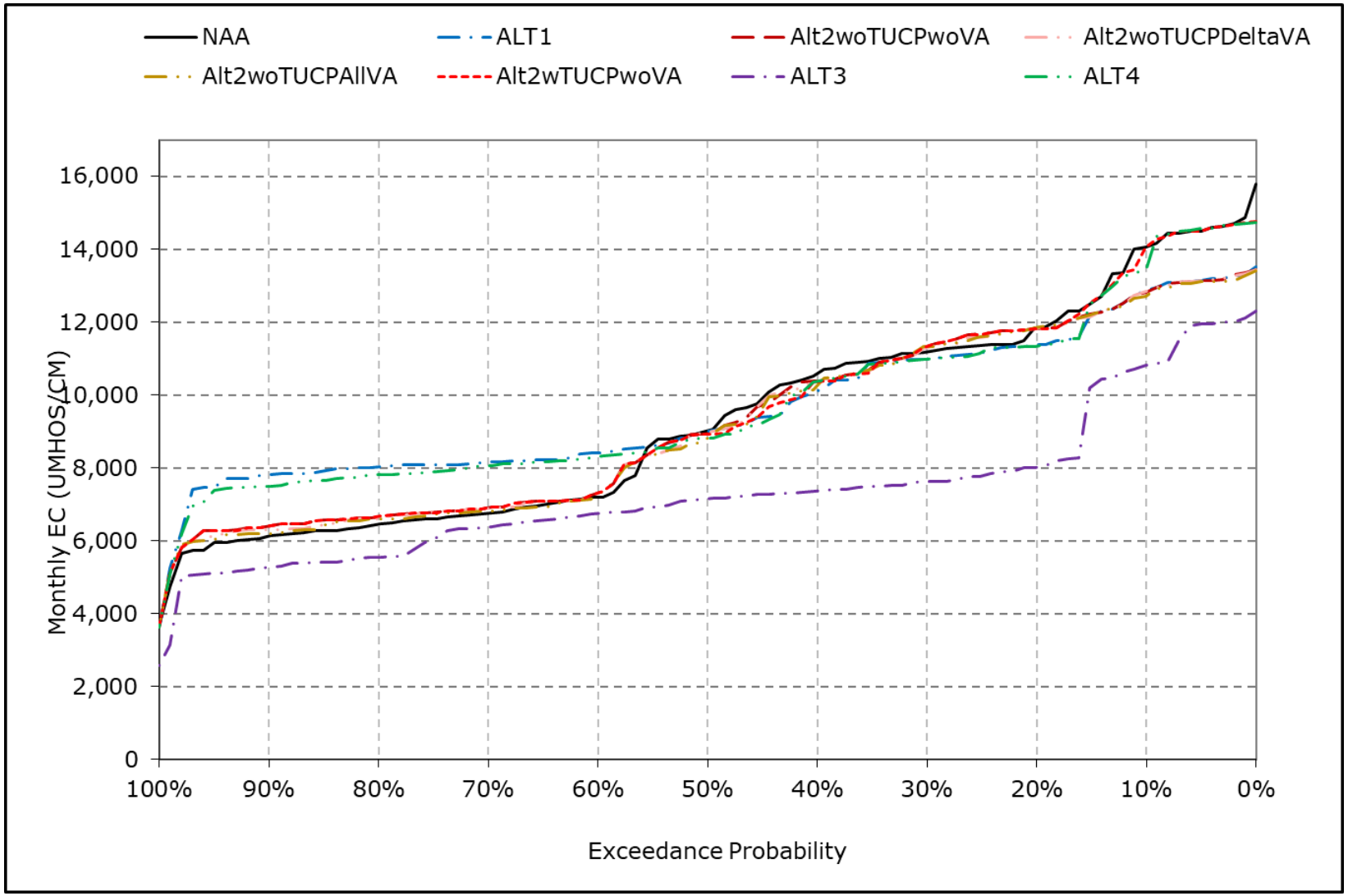
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-14-12. Chipps Island South Channel Salinity, June Electrical Conductivity



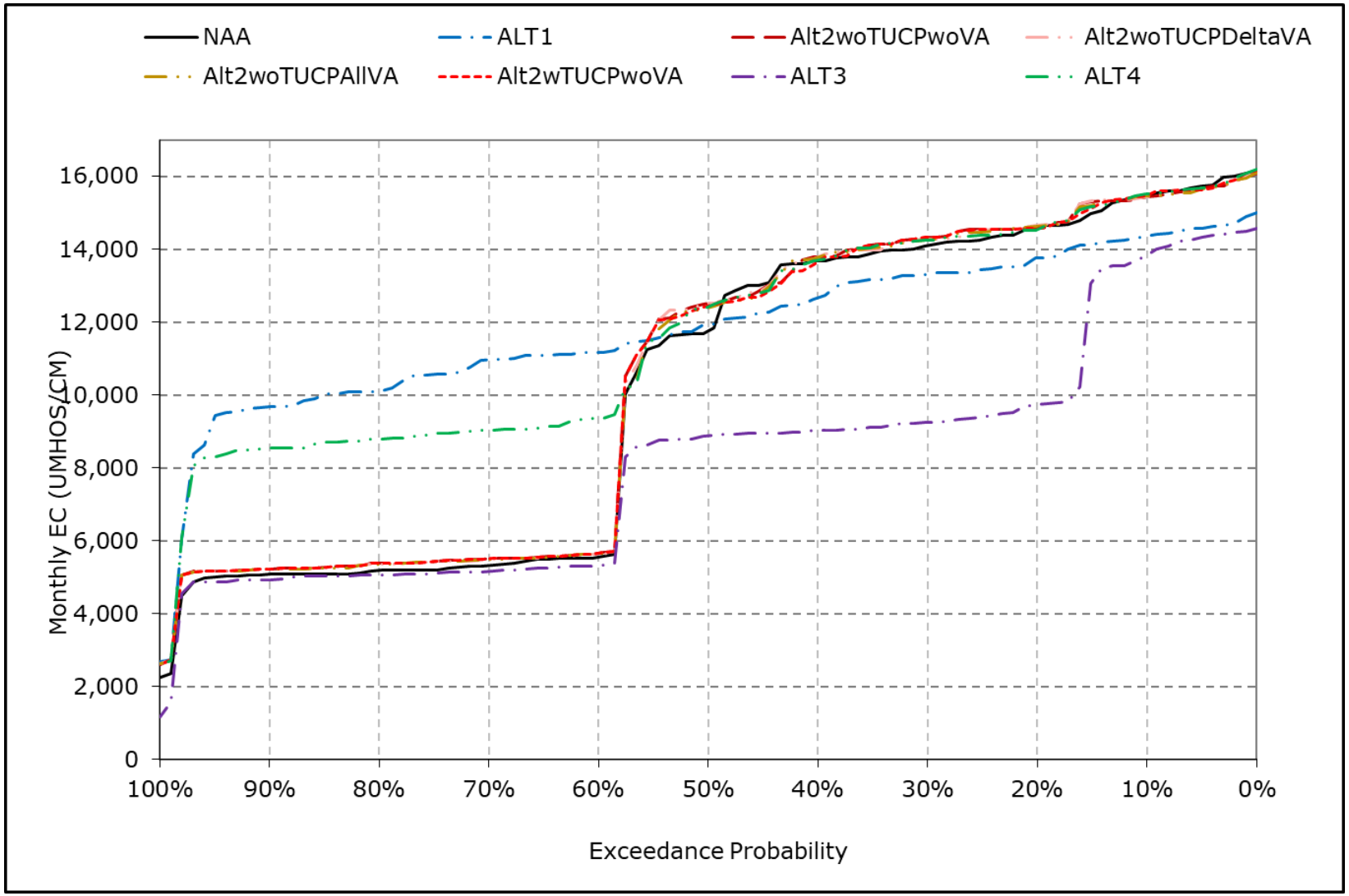
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-14-13. Chipps Island South Channel Salinity, July Electrical Conductivity



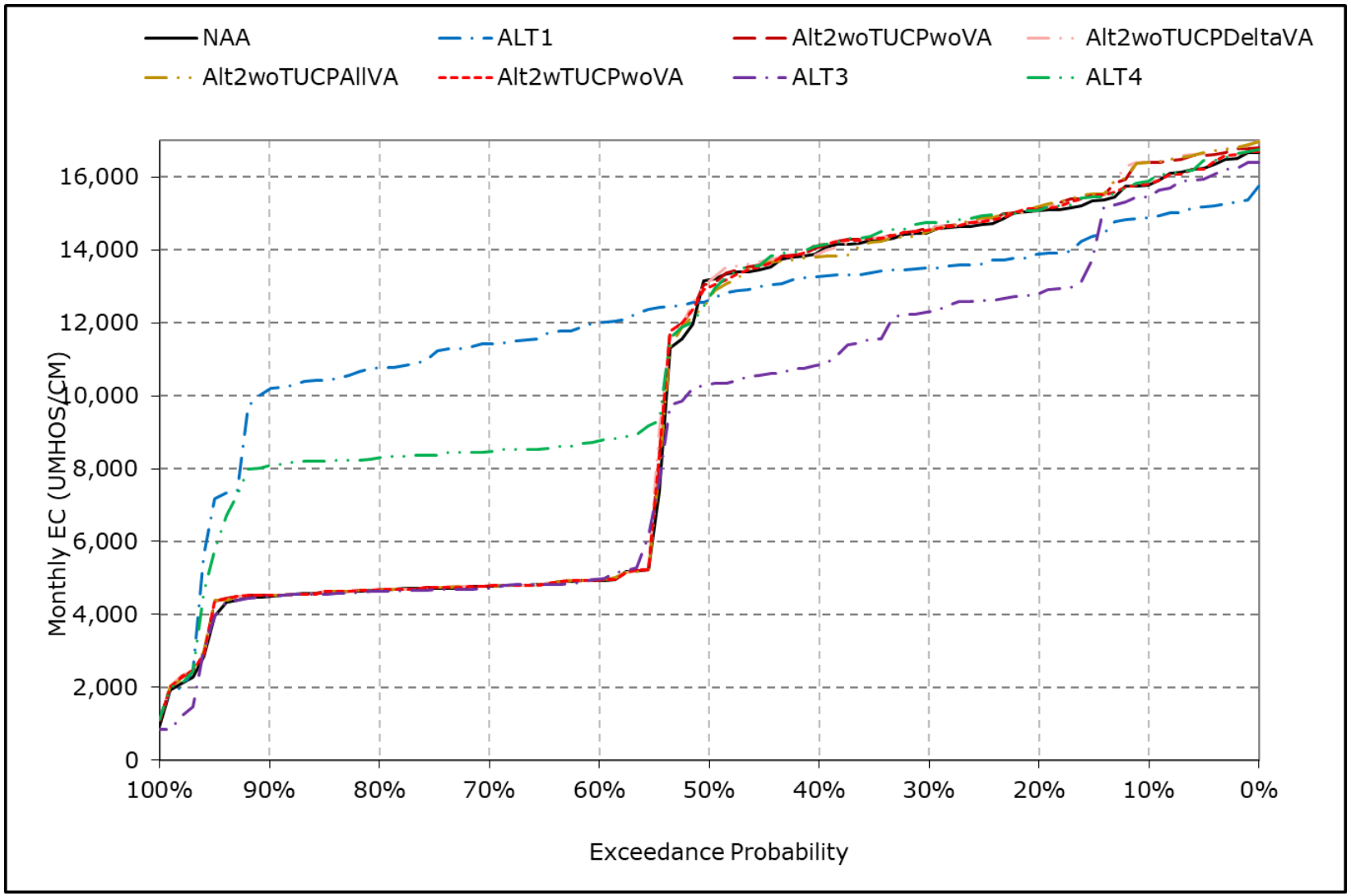
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-14-14. Chipps Island South Channel Salinity, August Electrical Conductivity



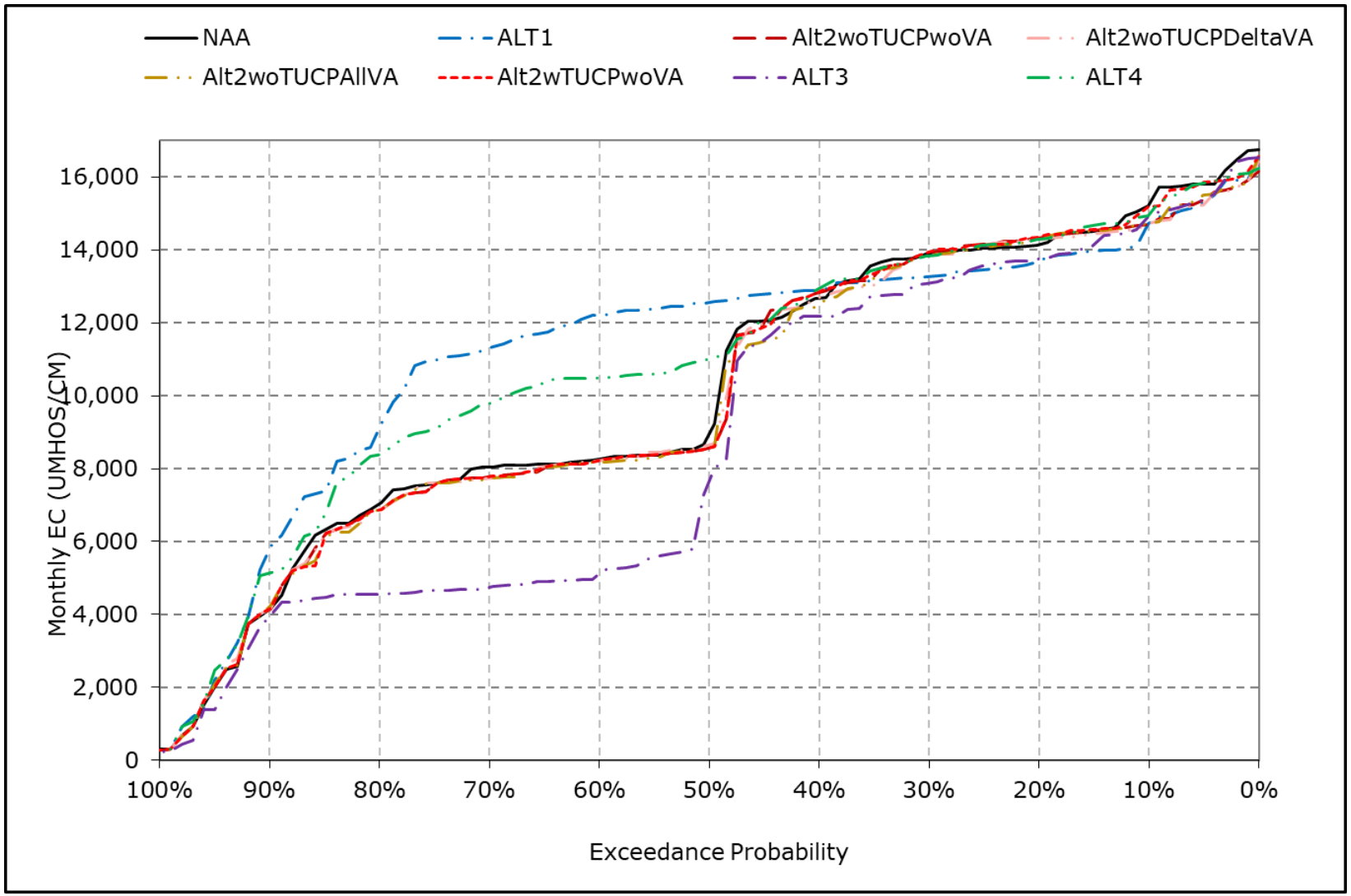
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-14-15. Chipps Island South Channel Salinity, September Electrical Conductivity



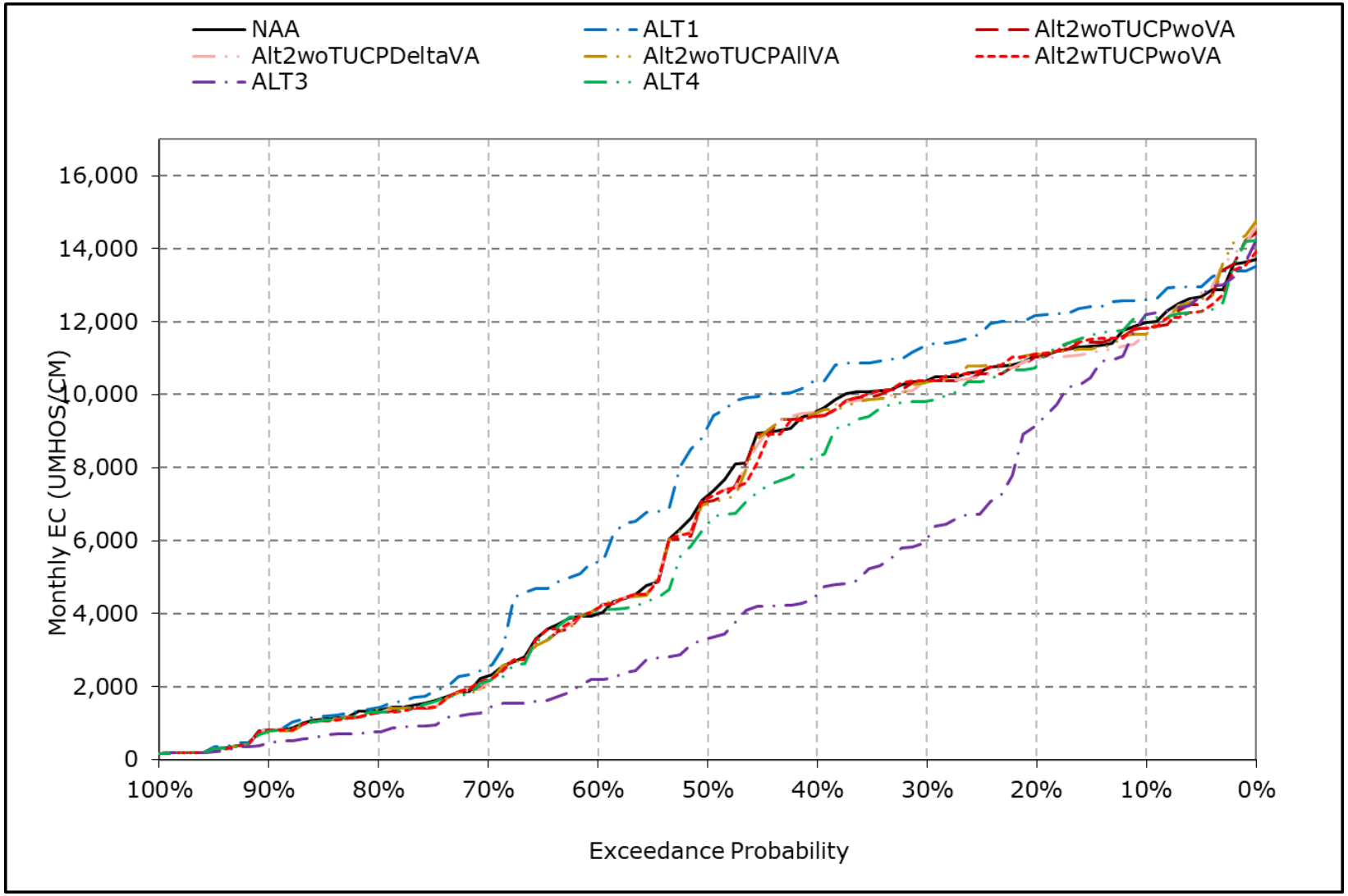
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-14-16. Chipps Island South Channel Salinity, October Electrical Conductivity



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-14-17. Chipps Island South Channel Salinity, November Electrical Conductivity



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-14-18. Chipps Island South Channel Salinity, December Electrical Conductivity

Table F.2.5-15-1a. Sacramento River at Port Chicago Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	21,353	20,119	17,165	14,851	10,193	9,502	11,250	14,045	16,854	18,670	20,285	21,076
20% Exceedance	20,375	19,336	16,481	13,860	7,490	6,813	9,069	9,805	11,986	14,673	17,628	20,067
30% Exceedance	19,957	18,935	16,005	10,143	4,423	3,974	6,417	9,162	11,469	14,386	17,051	19,701
40% Exceedance	19,463	17,919	15,077	6,672	3,385	3,312	5,095	8,367	10,944	13,864	16,746	19,190
50% Exceedance	18,623	14,595	12,165	4,764	2,155	2,484	3,837	6,736	10,264	12,267	14,886	18,017
60% Exceedance	10,692	14,333	8,466	3,165	1,331	1,504	2,861	5,225	9,820	10,820	13,351	11,331
70% Exceedance	10,488	13,946	4,994	1,488	752	926	2,026	3,940	9,027	10,068	12,867	11,012
80% Exceedance	10,357	13,006	3,100	831	434	561	1,122	2,286	7,136	9,751	12,483	10,820
90% Exceedance	10,133	9,245	1,440	383	239	313	788	1,362	5,303	9,041	11,959	10,579
Full Simulation Period Average[a]	15,423	15,329	10,473	6,424	3,766	3,578	5,018	7,012	10,225	12,681	15,334	15,852
Wet Water Years (28%)	9,982	11,469	9,117	1,208	572	883	1,458	2,915	6,518	9,338	12,411	10,622
Above Normal Years (14%)	10,042	12,877	10,122	3,586	1,211	1,168	2,380	4,790	8,526	9,783	12,244	10,598
Below Normal Years (18%)	18,312	17,243	8,813	6,123	4,049	3,261	4,549	6,401	10,172	12,296	15,218	18,213
Dry Water Years (24%)	19,206	16,806	10,858	10,465	5,395	4,748	6,226	8,358	11,208	14,378	17,270	19,676
Critical Water Years (16%)	21,442	20,328	14,733	12,313	8,830	9,006	12,275	14,796	16,787	18,957	20,382	21,209

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-15-1b. Sacramento River at Port Chicago Salinity, Alternative 1, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	21,105	20,353	18,344	16,469	11,506	10,306	10,228	12,425	13,656	16,151	19,041	20,538
20% Exceedance	19,943	19,499	17,989	15,580	9,117	7,183	8,649	9,973	11,904	14,660	17,536	19,729
30% Exceedance	19,725	19,081	17,019	13,862	6,687	4,778	7,277	9,703	11,486	14,370	17,400	19,516
40% Exceedance	19,488	18,855	16,240	8,981	3,977	4,104	5,535	9,219	10,512	13,282	16,520	18,991
50% Exceedance	18,914	18,378	14,802	7,085	2,756	3,146	4,472	7,635	9,934	12,296	15,466	18,213
60% Exceedance	18,248	17,967	10,722	4,492	1,600	1,928	3,172	5,995	8,896	10,949	14,711	17,659
70% Exceedance	17,788	17,328	6,155	1,833	840	1,041	2,129	4,205	8,339	10,509	14,497	17,324
80% Exceedance	17,187	15,004	3,364	927	452	605	1,189	2,466	7,157	10,257	14,359	16,705
90% Exceedance	16,653	11,109	1,336	409	239	327	793	1,497	5,351	9,220	14,120	16,183
Full Simulation Period Average[a]	18,208	16,816	11,616	7,795	4,428	3,910	5,026	7,149	9,777	12,524	15,965	18,093
Wet Water Years (28%)	16,229	14,466	10,103	1,670	657	996	1,669	3,225	6,203	9,527	13,989	16,062
Above Normal Years (14%)	17,558	16,733	11,140	4,343	1,505	1,505	2,813	5,366	8,035	10,246	14,313	17,124
Below Normal Years (18%)	18,275	17,487	9,942	7,857	4,749	3,807	5,017	7,175	9,545	12,246	15,479	17,838
Dry Water Years (24%)	19,035	16,811	12,427	12,752	6,483	5,410	6,632	8,753	11,368	14,377	17,398	19,521
Critical Water Years (16%)	21,145	20,491	15,625	14,026	10,143	8,979	10,436	13,143	15,429	17,294	19,268	20,638

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-15-1c. Sacramento River at Port Chicago Salinity, Alternative 1 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-248	233	1,179	1,618	1,313	804	-1,022	-1,619	-3,198	-2,520	-1,244	-538
20% Exceedance	-432	162	1,509	1,720	1,627	369	-420	168	-81	-13	-92	-338
30% Exceedance	-232	147	1,014	3,719	2,264	804	860	540	17	-16	349	-185
40% Exceedance	25	936	1,163	2,309	592	792	439	853	-431	-582	-227	-199
50% Exceedance	290	3,783	2,637	2,322	602	662	635	899	-329	29	580	196
60% Exceedance	7,556	3,634	2,256	1,327	270	424	311	771	-924	129	1,360	6,327
70% Exceedance	7,300	3,382	1,161	344	88	115	104	265	-688	441	1,630	6,312
80% Exceedance	6,830	1,997	263	96	18	44	68	180	21	506	1,876	5,886
90% Exceedance	6,520	1,864	-103	26	0	15	4	135	48	179	2,161	5,604
Full Simulation Period Average[a]	2,785	1,487	1,142	1,371	662	331	7	137	-449	-157	631	2,241
Wet Water Years (28%)	6,248	2,998	986	463	85	112	211	309	-315	189	1,577	5,440
Above Normal Years (14%)	7,516	3,856	1,018	757	293	337	432	576	-490	464	2,069	6,526
Below Normal Years (18%)	-37	244	1,129	1,735	700	547	468	775	-628	-50	261	-375
Dry Water Years (24%)	-171	5	1,569	2,287	1,087	662	406	396	160	-1	128	-155
Critical Water Years (16%)	-296	163	892	1,713	1,313	-28	-1,840	-1,653	-1,359	-1,663	-1,113	-571

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-15-2a. Sacramento River at Port Chicago Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	21,353	20,119	17,165	14,851	10,193	9,502	11,250	14,045	16,854	18,670	20,285	21,076
20% Exceedance	20,375	19,336	16,481	13,860	7,490	6,813	9,069	9,805	11,986	14,673	17,628	20,067
30% Exceedance	19,957	18,935	16,005	10,143	4,423	3,974	6,417	9,162	11,469	14,386	17,051	19,701
40% Exceedance	19,463	17,919	15,077	6,672	3,385	3,312	5,095	8,367	10,944	13,864	16,746	19,190
50% Exceedance	18,623	14,595	12,165	4,764	2,155	2,484	3,837	6,736	10,264	12,267	14,886	18,017
60% Exceedance	10,692	14,333	8,466	3,165	1,331	1,504	2,861	5,225	9,820	10,820	13,351	11,331
70% Exceedance	10,488	13,946	4,994	1,488	752	926	2,026	3,940	9,027	10,068	12,867	11,012
80% Exceedance	10,357	13,006	3,100	831	434	561	1,122	2,286	7,136	9,751	12,483	10,820
90% Exceedance	10,133	9,245	1,440	383	239	313	788	1,362	5,303	9,041	11,959	10,579
Full Simulation Period Average[a]	15,423	15,329	10,473	6,424	3,766	3,578	5,018	7,012	10,225	12,681	15,334	15,852
Wet Water Years (28%)	9,982	11,469	9,117	1,208	572	883	1,458	2,915	6,518	9,338	12,411	10,622
Above Normal Years (14%)	10,042	12,877	10,122	3,586	1,211	1,168	2,380	4,790	8,526	9,783	12,244	10,598
Below Normal Years (18%)	18,312	17,243	8,813	6,123	4,049	3,261	4,549	6,401	10,172	12,296	15,218	18,213
Dry Water Years (24%)	19,206	16,806	10,858	10,465	5,395	4,748	6,226	8,358	11,208	14,378	17,270	19,676
Critical Water Years (16%)	21,442	20,328	14,733	12,313	8,830	9,006	12,275	14,796	16,787	18,957	20,382	21,209

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-15-2b. Sacramento River at Port Chicago Salinity, Alt2woTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	21,643	19,876	17,027	14,564	9,325	8,191	10,122	12,253	13,675	16,132	19,045	21,086
20% Exceedance	20,390	19,449	16,381	12,604	7,470	6,309	8,069	10,048	12,032	14,836	17,710	20,138
30% Exceedance	20,072	18,832	15,954	9,398	4,446	3,960	6,463	9,732	11,686	14,394	17,483	19,826
40% Exceedance	19,482	17,814	14,949	6,963	3,218	3,267	5,394	9,290	10,999	13,785	16,617	19,481
50% Exceedance	18,862	14,535	11,845	4,685	2,139	2,454	4,191	7,644	10,363	12,436	15,149	18,455
60% Exceedance	10,639	14,163	8,404	3,085	1,313	1,503	2,986	5,873	9,836	10,890	13,483	11,391
70% Exceedance	10,463	13,702	5,018	1,486	734	931	2,075	4,280	9,137	10,352	13,092	11,064
80% Exceedance	10,299	12,723	3,003	798	439	573	1,208	2,413	7,141	9,947	12,682	10,964
90% Exceedance	9,799	9,201	1,360	382	238	316	794	1,502	5,318	9,091	12,442	10,852
Full Simulation Period Average[a]	15,474	15,199	10,395	6,248	3,661	3,448	4,842	7,116	10,080	12,525	15,360	16,007
Wet Water Years (28%)	10,012	11,456	9,119	1,159	575	898	1,586	3,225	6,558	9,458	12,677	10,774
Above Normal Years (14%)	9,836	12,593	10,137	3,587	1,216	1,178	2,604	5,326	8,532	10,021	12,666	10,889
Below Normal Years (18%)	18,405	17,032	8,699	6,163	4,005	3,230	4,830	7,129	10,318	12,404	15,332	18,396
Dry Water Years (24%)	19,299	16,864	10,771	9,941	5,091	4,714	6,394	8,717	11,395	14,497	17,486	19,879
Critical Water Years (16%)	21,667	19,928	14,470	12,041	8,671	8,240	10,185	13,078	15,360	17,265	19,253	21,144

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-15-2c. Sacramento River at Port Chicago Salinity, Alt2woTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	290	-243	-138	-287	-868	-1,311	-1,128	-1,791	-3,179	-2,538	-1,241	10
20% Exceedance	15	113	-100	-1,257	-20	-504	-999	244	47	163	82	71
30% Exceedance	115	-103	-51	-744	23	-15	46	570	217	9	432	125
40% Exceedance	19	-106	-128	291	-167	-44	299	924	55	-78	-129	291
50% Exceedance	239	-60	-319	-78	-15	-30	354	907	99	170	263	439
60% Exceedance	-53	-170	-62	-80	-18	-1	125	648	16	70	132	60
70% Exceedance	-25	-244	24	-2	-19	5	50	340	110	284	225	52
80% Exceedance	-58	-283	-97	-33	4	12	87	127	5	196	200	144
90% Exceedance	-333	-44	-79	0	-1	3	6	141	15	49	483	273
Full Simulation Period Average[a]	51	-130	-78	-175	-105	-131	-176	104	-145	-156	25	155
Wet Water Years (28%)	31	-13	2	-49	3	15	128	310	41	120	266	152
Above Normal Years (14%)	-206	-284	15	1	5	9	223	536	6	238	422	291
Below Normal Years (18%)	93	-211	-114	40	-44	-31	282	728	146	108	115	183
Dry Water Years (24%)	93	58	-87	-524	-304	-34	168	359	187	118	216	203
Critical Water Years (16%)	225	-400	-263	-272	-159	-766	-2,091	-1,718	-1,427	-1,693	-1,128	-65

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-15-3a. Sacramento River at Port Chicago Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	21,353	20,119	17,165	14,851	10,193	9,502	11,250	14,045	16,854	18,670	20,285	21,076
20% Exceedance	20,375	19,336	16,481	13,860	7,490	6,813	9,069	9,805	11,986	14,673	17,628	20,067
30% Exceedance	19,957	18,935	16,005	10,143	4,423	3,974	6,417	9,162	11,469	14,386	17,051	19,701
40% Exceedance	19,463	17,919	15,077	6,672	3,385	3,312	5,095	8,367	10,944	13,864	16,746	19,190
50% Exceedance	18,623	14,595	12,165	4,764	2,155	2,484	3,837	6,736	10,264	12,267	14,886	18,017
60% Exceedance	10,692	14,333	8,466	3,165	1,331	1,504	2,861	5,225	9,820	10,820	13,351	11,331
70% Exceedance	10,488	13,946	4,994	1,488	752	926	2,026	3,940	9,027	10,068	12,867	11,012
80% Exceedance	10,357	13,006	3,100	831	434	561	1,122	2,286	7,136	9,751	12,483	10,820
90% Exceedance	10,133	9,245	1,440	383	239	313	788	1,362	5,303	9,041	11,959	10,579
Full Simulation Period Average[a]	15,423	15,329	10,473	6,424	3,766	3,578	5,018	7,012	10,225	12,681	15,334	15,852
Wet Water Years (28%)	9,982	11,469	9,117	1,208	572	883	1,458	2,915	6,518	9,338	12,411	10,622
Above Normal Years (14%)	10,042	12,877	10,122	3,586	1,211	1,168	2,380	4,790	8,526	9,783	12,244	10,598
Below Normal Years (18%)	18,312	17,243	8,813	6,123	4,049	3,261	4,549	6,401	10,172	12,296	15,218	18,213
Dry Water Years (24%)	19,206	16,806	10,858	10,465	5,395	4,748	6,226	8,358	11,208	14,378	17,270	19,676
Critical Water Years (16%)	21,442	20,328	14,733	12,313	8,830	9,006	12,275	14,796	16,787	18,957	20,382	21,209

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-15-3b. Sacramento River at Port Chicago Salinity, Alt2woTUCPDeltaVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	21,733	19,694	17,094	14,656	10,057	7,899	9,557	12,217	13,685	16,117	19,044	21,088
20% Exceedance	20,374	19,405	16,265	12,568	7,401	5,805	7,488	10,006	12,200	14,832	17,708	20,106
30% Exceedance	20,010	18,765	15,959	9,490	4,867	3,852	6,162	9,674	11,771	14,368	17,443	19,808
40% Exceedance	19,429	17,790	14,997	6,855	3,231	3,102	4,804	8,695	10,970	13,822	16,704	19,352
50% Exceedance	18,772	14,578	11,931	5,059	2,143	2,325	3,884	7,292	10,316	12,434	15,121	18,460
60% Exceedance	10,639	14,159	8,415	3,076	1,315	1,470	2,851	5,845	9,859	10,871	13,492	11,387
70% Exceedance	10,476	13,713	5,017	1,485	742	924	1,932	4,256	9,171	10,258	13,088	11,076
80% Exceedance	10,324	12,717	3,033	829	439	578	1,159	2,312	7,152	9,821	12,731	10,947
90% Exceedance	9,805	9,254	1,392	382	238	316	732	1,504	5,333	9,102	12,411	10,832
Full Simulation Period Average[a]	15,484	15,180	10,414	6,365	3,776	3,313	4,595	7,010	10,103	12,499	15,331	15,997
Wet Water Years (28%)	10,016	11,464	9,134	1,201	576	885	1,525	3,208	6,590	9,413	12,653	10,773
Above Normal Years (14%)	9,832	12,600	10,090	3,603	1,218	1,147	2,227	5,005	8,588	9,937	12,569	10,858
Below Normal Years (18%)	18,427	17,048	8,714	6,269	3,998	2,881	4,385	7,051	10,374	12,400	15,278	18,387
Dry Water Years (24%)	19,276	16,816	10,741	10,076	5,203	4,370	6,007	8,536	11,379	14,501	17,489	19,861
Critical Water Years (16%)	21,742	19,836	14,643	12,361	9,223	8,356	10,160	13,082	15,361	17,253	19,255	21,150

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-15-3c. Sacramento River at Port Chicago Salinity, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	380	-426	-71	-195	-136	-1,602	-1,693	-1,828	-3,169	-2,553	-1,242	12
20% Exceedance	-2	69	-216	-1,292	-90	-1,009	-1,581	201	215	158	80	39
30% Exceedance	53	-170	-46	-653	444	-122	-256	512	302	-18	392	107
40% Exceedance	-33	-130	-80	183	-154	-209	-291	329	26	-42	-42	161
50% Exceedance	149	-18	-234	295	-12	-159	47	556	52	168	235	443
60% Exceedance	-54	-174	-51	-89	-15	-34	-11	620	39	50	141	56
70% Exceedance	-13	-234	23	-3	-10	-2	-93	317	145	189	221	64
80% Exceedance	-33	-289	-68	-2	4	17	37	26	16	70	248	128
90% Exceedance	-328	9	-48	0	0	3	-57	142	30	61	451	253
Full Simulation Period Average[a]	61	-149	-60	-59	10	-266	-423	-2	-122	-182	-4	145
Wet Water Years (28%)	35	-5	17	-6	4	2	67	293	72	75	242	151
Above Normal Years (14%)	-210	-277	-32	17	6	-22	-153	216	62	155	325	260
Below Normal Years (18%)	115	-195	-99	147	-51	-380	-163	650	202	104	61	174
Dry Water Years (24%)	71	10	-118	-389	-193	-378	-219	179	171	122	219	185
Critical Water Years (16%)	300	-491	-91	48	393	-650	-2,115	-1,714	-1,426	-1,704	-1,126	-60

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-15-4a. Sacramento River at Port Chicago Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	21,353	20,119	17,165	14,851	10,193	9,502	11,250	14,045	16,854	18,670	20,285	21,076
20% Exceedance	20,375	19,336	16,481	13,860	7,490	6,813	9,069	9,805	11,986	14,673	17,628	20,067
30% Exceedance	19,957	18,935	16,005	10,143	4,423	3,974	6,417	9,162	11,469	14,386	17,051	19,701
40% Exceedance	19,463	17,919	15,077	6,672	3,385	3,312	5,095	8,367	10,944	13,864	16,746	19,190
50% Exceedance	18,623	14,595	12,165	4,764	2,155	2,484	3,837	6,736	10,264	12,267	14,886	18,017
60% Exceedance	10,692	14,333	8,466	3,165	1,331	1,504	2,861	5,225	9,820	10,820	13,351	11,331
70% Exceedance	10,488	13,946	4,994	1,488	752	926	2,026	3,940	9,027	10,068	12,867	11,012
80% Exceedance	10,357	13,006	3,100	831	434	561	1,122	2,286	7,136	9,751	12,483	10,820
90% Exceedance	10,133	9,245	1,440	383	239	313	788	1,362	5,303	9,041	11,959	10,579
Full Simulation Period Average[a]	15,423	15,329	10,473	6,424	3,766	3,578	5,018	7,012	10,225	12,681	15,334	15,852
Wet Water Years (28%)	9,982	11,469	9,117	1,208	572	883	1,458	2,915	6,518	9,338	12,411	10,622
Above Normal Years (14%)	10,042	12,877	10,122	3,586	1,211	1,168	2,380	4,790	8,526	9,783	12,244	10,598
Below Normal Years (18%)	18,312	17,243	8,813	6,123	4,049	3,261	4,549	6,401	10,172	12,296	15,218	18,213
Dry Water Years (24%)	19,206	16,806	10,858	10,465	5,395	4,748	6,226	8,358	11,208	14,378	17,270	19,676
Critical Water Years (16%)	21,442	20,328	14,733	12,313	8,830	9,006	12,275	14,796	16,787	18,957	20,382	21,209

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-15-4b. Sacramento River at Port Chicago Salinity, Alt2woTUCPAllVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	21,703	19,778	17,100	14,717	10,061	7,658	9,262	11,758	13,101	16,162	19,017	21,046
20% Exceedance	20,394	19,386	16,346	12,420	7,358	5,690	7,168	9,390	11,980	14,800	17,698	20,104
30% Exceedance	19,920	18,888	16,048	10,005	4,481	3,730	5,532	8,917	11,675	14,497	17,501	19,808
40% Exceedance	19,290	17,713	14,951	6,835	3,355	3,042	4,242	7,773	10,746	13,847	16,708	19,367
50% Exceedance	18,460	14,570	11,810	4,889	2,147	2,287	3,417	6,339	10,277	12,444	15,036	18,395
60% Exceedance	10,641	14,138	8,416	3,019	1,310	1,451	2,538	5,018	9,858	10,775	13,492	11,378
70% Exceedance	10,473	13,679	5,004	1,489	743	922	1,794	4,029	9,056	10,220	13,087	11,072
80% Exceedance	10,324	12,723	3,078	799	441	578	1,093	2,167	7,184	9,819	12,566	10,962
90% Exceedance	9,830	9,330	1,266	382	239	318	731	1,503	5,380	9,056	12,276	10,838
Full Simulation Period Average[a]	15,436	15,148	10,417	6,314	3,662	3,242	4,227	6,479	9,930	12,471	15,281	15,979
Wet Water Years (28%)	10,008	11,473	9,141	1,186	576	888	1,506	3,159	6,584	9,399	12,620	10,765
Above Normal Years (14%)	9,852	12,600	10,056	3,553	1,215	1,154	2,025	4,450	8,437	9,866	12,441	10,862
Below Normal Years (18%)	18,178	16,885	8,701	6,203	3,994	2,858	3,689	6,165	10,221	12,386	15,191	18,316
Dry Water Years (24%)	19,276	16,703	10,766	10,153	5,183	4,297	5,375	7,790	11,136	14,529	17,495	19,861
Critical Water Years (16%)	21,714	19,985	14,661	12,073	8,546	8,040	9,795	12,452	14,955	17,135	19,204	21,130

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-15-4c. Sacramento River at Port Chicago Salinity, Alt2woTUCPAllVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	350	-341	-65	-134	-132	-1,844	-1,988	-2,287	-3,753	-2,509	-1,268	-30
20% Exceedance	19	50	-134	-1,441	-133	-1,123	-1,900	-415	-5	126	70	37
30% Exceedance	-36	-47	42	-138	57	-244	-885	-246	206	111	450	107
40% Exceedance	-173	-206	-126	163	-30	-270	-853	-594	-197	-17	-38	176
50% Exceedance	-163	-26	-355	125	-7	-197	-420	-397	13	177	150	378
60% Exceedance	-52	-196	-49	-146	-20	-53	-323	-206	38	-45	141	46
70% Exceedance	-15	-267	10	1	-9	-4	-232	90	30	152	221	60
80% Exceedance	-33	-284	-22	-32	6	17	-28	-119	48	68	84	142
90% Exceedance	-303	85	-173	-1	0	5	-57	141	77	15	317	259
Full Simulation Period Average[a]	12	-181	-56	-110	-105	-336	-792	-533	-296	-210	-53	127
Wet Water Years (28%)	27	4	25	-22	4	5	49	244	66	62	209	143
Above Normal Years (14%)	-190	-277	-67	-33	4	-15	-356	-340	-88	83	197	264
Below Normal Years (18%)	-134	-358	-113	81	-55	-403	-860	-236	49	90	-27	103
Dry Water Years (24%)	70	-104	-93	-312	-212	-451	-850	-567	-72	150	225	185
Critical Water Years (16%)	272	-343	-72	-240	-284	-966	-2,480	-2,344	-1,832	-1,823	-1,177	-80

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-15-5a. Sacramento River at Port Chicago Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	21,353	20,119	17,165	14,851	10,193	9,502	11,250	14,045	16,854	18,670	20,285	21,076
20% Exceedance	20,375	19,336	16,481	13,860	7,490	6,813	9,069	9,805	11,986	14,673	17,628	20,067
30% Exceedance	19,957	18,935	16,005	10,143	4,423	3,974	6,417	9,162	11,469	14,386	17,051	19,701
40% Exceedance	19,463	17,919	15,077	6,672	3,385	3,312	5,095	8,367	10,944	13,864	16,746	19,190
50% Exceedance	18,623	14,595	12,165	4,764	2,155	2,484	3,837	6,736	10,264	12,267	14,886	18,017
60% Exceedance	10,692	14,333	8,466	3,165	1,331	1,504	2,861	5,225	9,820	10,820	13,351	11,331
70% Exceedance	10,488	13,946	4,994	1,488	752	926	2,026	3,940	9,027	10,068	12,867	11,012
80% Exceedance	10,357	13,006	3,100	831	434	561	1,122	2,286	7,136	9,751	12,483	10,820
90% Exceedance	10,133	9,245	1,440	383	239	313	788	1,362	5,303	9,041	11,959	10,579
Full Simulation Period Average[a]	15,423	15,329	10,473	6,424	3,766	3,578	5,018	7,012	10,225	12,681	15,334	15,852
Wet Water Years (28%)	9,982	11,469	9,117	1,208	572	883	1,458	2,915	6,518	9,338	12,411	10,622
Above Normal Years (14%)	10,042	12,877	10,122	3,586	1,211	1,168	2,380	4,790	8,526	9,783	12,244	10,598
Below Normal Years (18%)	18,312	17,243	8,813	6,123	4,049	3,261	4,549	6,401	10,172	12,296	15,218	18,213
Dry Water Years (24%)	19,206	16,806	10,858	10,465	5,395	4,748	6,226	8,358	11,208	14,378	17,270	19,676
Critical Water Years (16%)	21,442	20,328	14,733	12,313	8,830	9,006	12,275	14,796	16,787	18,957	20,382	21,209

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-15-5b. Sacramento River at Port Chicago Salinity, Alt2wTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	21,346	20,080	17,125	14,589	9,325	9,559	10,833	13,879	17,368	18,719	20,405	21,094
20% Exceedance	20,388	19,454	16,584	12,479	7,472	6,895	9,133	10,049	12,193	14,915	17,710	20,136
30% Exceedance	19,999	18,831	15,900	9,967	4,325	3,995	6,573	9,641	11,695	14,394	17,483	19,830
40% Exceedance	19,511	17,828	14,845	6,697	3,256	3,244	5,394	9,069	11,128	13,691	16,617	19,414
50% Exceedance	18,674	14,536	11,874	4,711	2,140	2,454	4,190	7,643	10,363	12,292	15,075	18,431
60% Exceedance	10,638	14,164	8,399	3,057	1,312	1,498	2,988	5,873	9,836	10,890	13,483	11,391
70% Exceedance	10,463	13,701	5,017	1,486	733	931	2,072	4,279	9,136	10,353	13,093	11,064
80% Exceedance	10,299	12,719	3,014	798	437	572	1,200	2,412	7,140	9,947	12,703	10,966
90% Exceedance	9,799	9,243	1,359	382	238	316	793	1,502	5,295	9,091	12,442	10,852
Full Simulation Period Average[a]	15,435	15,236	10,388	6,267	3,707	3,585	5,163	7,375	10,276	12,746	15,505	15,999
Wet Water Years (28%)	10,012	11,458	9,115	1,154	574	898	1,585	3,224	6,557	9,461	12,679	10,773
Above Normal Years (14%)	9,835	12,599	10,139	3,572	1,211	1,168	2,600	5,323	8,529	10,021	12,667	10,889
Below Normal Years (18%)	18,378	16,976	8,727	6,156	3,968	3,214	4,828	7,129	10,322	12,317	15,233	18,319
Dry Water Years (24%)	19,286	16,852	10,841	10,032	5,092	4,715	6,394	8,713	11,392	14,496	17,485	19,878
Critical Water Years (16%)	21,464	20,254	14,281	12,048	8,998	9,123	12,195	14,708	16,584	18,738	20,270	21,190

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-15-5c. Sacramento River at Port Chicago Salinity, Alt2wTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-6	-39	-39	-262	-869	57	-416	-165	514	49	120	18
20% Exceedance	13	117	103	-1,381	-19	81	65	244	207	242	82	69
30% Exceedance	43	-104	-105	-176	-98	21	156	478	226	9	432	129
40% Exceedance	49	-91	-231	25	-129	-68	299	702	184	-173	-130	224
50% Exceedance	51	-59	-291	-52	-15	-30	353	907	100	26	189	414
60% Exceedance	-54	-170	-66	-108	-18	-7	127	648	16	69	133	60
70% Exceedance	-25	-246	23	-2	-19	5	46	339	109	284	226	51
80% Exceedance	-58	-288	-86	-33	3	11	79	126	4	196	220	146
90% Exceedance	-334	-2	-81	-1	-1	3	5	141	-9	50	482	272
Full Simulation Period Average[a]	12	-93	-85	-157	-60	6	144	363	50	65	171	147
Wet Water Years (28%)	30	-11	-1	-53	2	14	127	309	40	124	268	151
Above Normal Years (14%)	-207	-278	17	-14	0	0	220	533	4	239	422	291
Below Normal Years (18%)	65	-267	-86	33	-81	-47	279	728	150	22	15	106
Dry Water Years (24%)	80	46	-17	-433	-303	-33	168	355	184	118	215	202
Critical Water Years (16%)	22	-74	-453	-265	168	117	-80	-88	-203	-220	-112	-19

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-15-6a. Sacramento River at Port Chicago Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	21,353	20,119	17,165	14,851	10,193	9,502	11,250	14,045	16,854	18,670	20,285	21,076
20% Exceedance	20,375	19,336	16,481	13,860	7,490	6,813	9,069	9,805	11,986	14,673	17,628	20,067
30% Exceedance	19,957	18,935	16,005	10,143	4,423	3,974	6,417	9,162	11,469	14,386	17,051	19,701
40% Exceedance	19,463	17,919	15,077	6,672	3,385	3,312	5,095	8,367	10,944	13,864	16,746	19,190
50% Exceedance	18,623	14,595	12,165	4,764	2,155	2,484	3,837	6,736	10,264	12,267	14,886	18,017
60% Exceedance	10,692	14,333	8,466	3,165	1,331	1,504	2,861	5,225	9,820	10,820	13,351	11,331
70% Exceedance	10,488	13,946	4,994	1,488	752	926	2,026	3,940	9,027	10,068	12,867	11,012
80% Exceedance	10,357	13,006	3,100	831	434	561	1,122	2,286	7,136	9,751	12,483	10,820
90% Exceedance	10,133	9,245	1,440	383	239	313	788	1,362	5,303	9,041	11,959	10,579
Full Simulation Period Average[a]	15,423	15,329	10,473	6,424	3,766	3,578	5,018	7,012	10,225	12,681	15,334	15,852
Wet Water Years (28%)	9,982	11,469	9,117	1,208	572	883	1,458	2,915	6,518	9,338	12,411	10,622
Above Normal Years (14%)	10,042	12,877	10,122	3,586	1,211	1,168	2,380	4,790	8,526	9,783	12,244	10,598
Below Normal Years (18%)	18,312	17,243	8,813	6,123	4,049	3,261	4,549	6,401	10,172	12,296	15,218	18,213
Dry Water Years (24%)	19,206	16,806	10,858	10,465	5,395	4,748	6,226	8,358	11,208	14,378	17,270	19,676
Critical Water Years (16%)	21,442	20,328	14,733	12,313	8,830	9,006	12,275	14,796	16,787	18,957	20,382	21,209

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-15-6b. Sacramento River at Port Chicago Salinity, Alternative 3, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	20,940	19,839	17,235	12,119	8,151	7,513	8,498	11,518	13,664	15,289	17,170	19,747
20% Exceedance	18,500	18,924	14,356	9,236	5,347	4,671	5,969	8,896	11,419	13,830	13,870	15,833
30% Exceedance	18,234	18,288	11,417	7,243	3,330	3,319	5,302	7,797	10,824	13,027	13,618	15,579
40% Exceedance	16,685	17,601	9,249	3,961	2,411	2,490	4,235	6,455	10,367	12,867	13,482	15,351
50% Exceedance	16,417	13,325	7,550	3,150	1,697	1,877	2,865	4,950	9,606	12,613	13,366	15,077
60% Exceedance	10,721	10,395	5,224	2,535	1,009	1,349	1,986	3,124	8,989	12,091	12,621	11,083
70% Exceedance	10,434	10,116	3,368	1,233	706	824	1,487	2,331	8,486	11,352	12,167	10,799
80% Exceedance	10,288	9,890	1,873	632	406	547	952	1,350	7,283	10,257	11,390	10,713
90% Exceedance	9,904	8,958	1,102	359	236	320	660	1,004	5,888	9,244	11,034	10,612
Full Simulation Period Average[a]	14,514	13,770	8,032	4,776	2,918	2,835	3,945	5,598	9,518	12,279	13,348	14,008
Wet Water Years (28%)	9,739	8,935	5,998	967	514	711	1,185	1,839	6,519	9,313	11,067	10,348
Above Normal Years (14%)	9,889	9,303	5,991	2,077	915	918	1,911	3,052	8,522	11,897	12,327	10,603
Below Normal Years (18%)	16,108	16,244	7,786	4,487	2,828	2,207	3,253	5,408	10,108	13,219	13,601	15,082
Dry Water Years (24%)	17,665	16,372	9,829	7,279	3,971	3,752	4,821	6,994	10,035	12,708	13,486	15,628
Critical Water Years (16%)	21,099	20,129	11,292	10,377	7,401	7,561	10,019	12,527	14,196	16,104	17,744	19,757

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-15-6c. Sacramento River at Port Chicago Salinity, Alternative 3 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-412	-280	70	-2,732	-2,042	-1,988	-2,752	-2,527	-3,190	-3,382	-3,115	-1,329
20% Exceedance	-1,875	-413	-2,125	-4,624	-2,144	-2,142	-3,100	-908	-567	-843	-3,758	-4,234
30% Exceedance	-1,723	-647	-4,588	-2,900	-1,093	-655	-1,116	-1,366	-645	-1,359	-3,433	-4,122
40% Exceedance	-2,777	-318	-5,827	-2,711	-974	-822	-860	-1,912	-577	-996	-3,264	-3,840
50% Exceedance	-2,207	-1,270	-4,615	-1,614	-458	-607	-972	-1,786	-657	346	-1,520	-2,940
60% Exceedance	28	-3,939	-3,242	-630	-322	-155	-876	-2,101	-831	1,271	-729	-248
70% Exceedance	-54	-3,830	-1,626	-256	-46	-102	-538	-1,608	-540	1,283	-700	-213
80% Exceedance	-69	-3,116	-1,227	-199	-28	-14	-170	-936	146	506	-1,093	-107
90% Exceedance	-229	-286	-337	-24	-3	8	-129	-357	585	203	-926	33
Full Simulation Period Average[a]	-909	-1,560	-2,441	-1,648	-848	-743	-1,073	-1,414	-708	-402	-1,986	-1,844
Wet Water Years (28%)	-243	-2,534	-3,118	-241	-58	-173	-273	-1,077	1	-24	-1,345	-274
Above Normal Years (14%)	-153	-3,573	-4,132	-1,509	-296	-250	-469	-1,737	-3	2,114	82	5
Below Normal Years (18%)	-2,204	-999	-1,028	-1,636	-1,222	-1,054	-1,296	-993	-64	923	-1,617	-3,131
Dry Water Years (24%)	-1,541	-434	-1,029	-3,186	-1,424	-996	-1,405	-1,364	-1,172	-1,670	-3,784	-4,048
Critical Water Years (16%)	-343	-199	-3,442	-1,936	-1,429	-1,446	-2,256	-2,269	-2,591	-2,853	-2,638	-1,452

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-15-7a. Sacramento River at Port Chicago Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	21,353	20,119	17,165	14,851	10,193	9,502	11,250	14,045	16,854	18,670	20,285	21,076
20% Exceedance	20,375	19,336	16,481	13,860	7,490	6,813	9,069	9,805	11,986	14,673	17,628	20,067
30% Exceedance	19,957	18,935	16,005	10,143	4,423	3,974	6,417	9,162	11,469	14,386	17,051	19,701
40% Exceedance	19,463	17,919	15,077	6,672	3,385	3,312	5,095	8,367	10,944	13,864	16,746	19,190
50% Exceedance	18,623	14,595	12,165	4,764	2,155	2,484	3,837	6,736	10,264	12,267	14,886	18,017
60% Exceedance	10,692	14,333	8,466	3,165	1,331	1,504	2,861	5,225	9,820	10,820	13,351	11,331
70% Exceedance	10,488	13,946	4,994	1,488	752	926	2,026	3,940	9,027	10,068	12,867	11,012
80% Exceedance	10,357	13,006	3,100	831	434	561	1,122	2,286	7,136	9,751	12,483	10,820
90% Exceedance	10,133	9,245	1,440	383	239	313	788	1,362	5,303	9,041	11,959	10,579
Full Simulation Period Average[a]	15,423	15,329	10,473	6,424	3,766	3,578	5,018	7,012	10,225	12,681	15,334	15,852
Wet Water Years (28%)	9,982	11,469	9,117	1,208	572	883	1,458	2,915	6,518	9,338	12,411	10,622
Above Normal Years (14%)	10,042	12,877	10,122	3,586	1,211	1,168	2,380	4,790	8,526	9,783	12,244	10,598
Below Normal Years (18%)	18,312	17,243	8,813	6,123	4,049	3,261	4,549	6,401	10,172	12,296	15,218	18,213
Dry Water Years (24%)	19,206	16,806	10,858	10,465	5,395	4,748	6,226	8,358	11,208	14,378	17,270	19,676
Critical Water Years (16%)	21,442	20,328	14,733	12,313	8,830	9,006	12,275	14,796	16,787	18,957	20,382	21,209

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-15-7b. Sacramento River at Port Chicago Salinity, Alternative 4, Monthly Electrical Conductivity (UMHOS/CM)

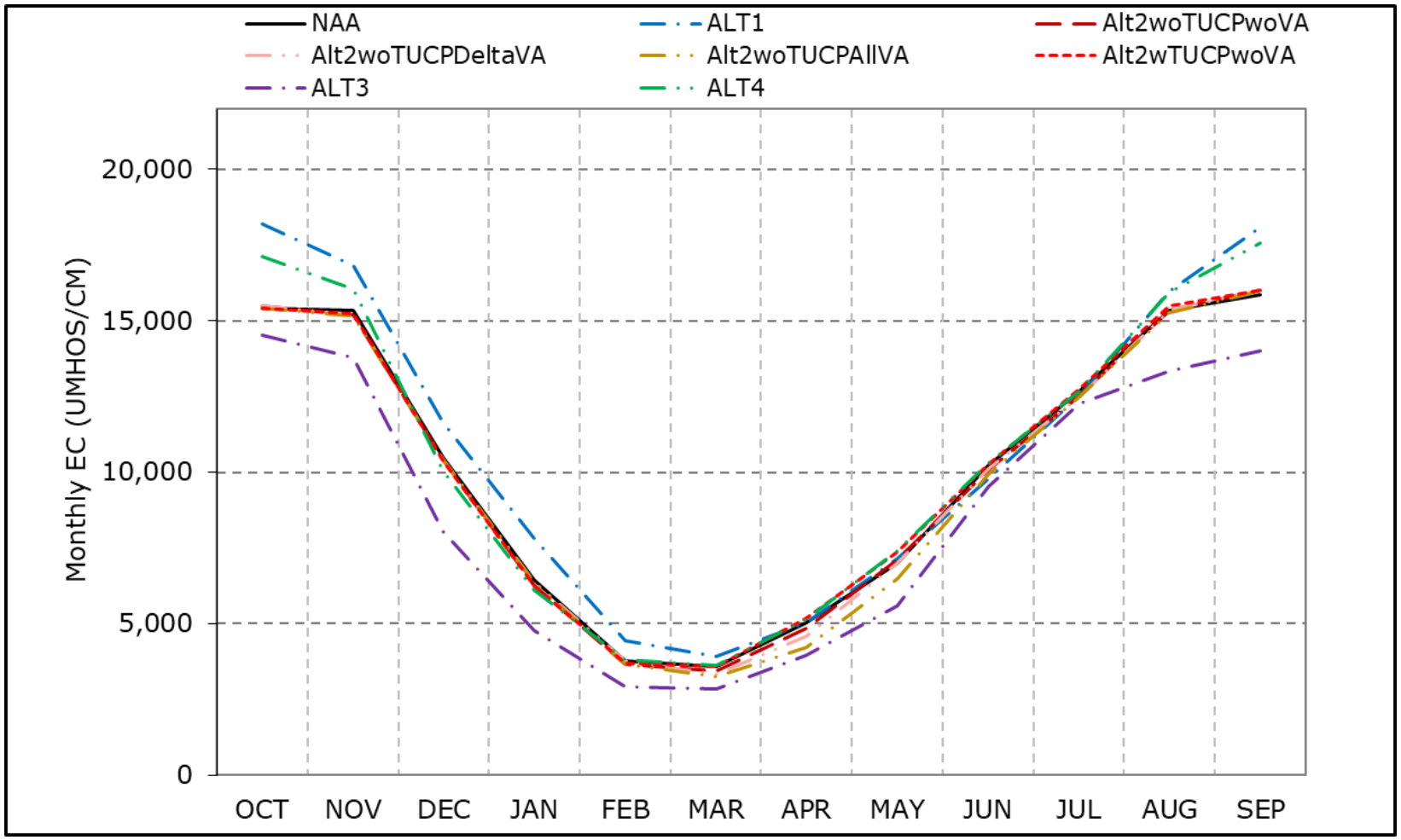
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	21,336	19,952	17,291	14,508	10,229	9,746	10,753	13,922	17,466	18,734	19,890	21,090
20% Exceedance	20,401	19,427	16,245	12,570	7,594	7,089	9,241	10,036	12,245	14,715	17,570	20,135
30% Exceedance	20,082	19,027	15,343	9,735	4,556	3,965	6,469	9,626	11,711	14,377	17,379	19,876
40% Exceedance	19,579	18,007	13,957	6,007	3,387	3,344	5,380	9,072	11,326	13,577	16,676	19,465
50% Exceedance	18,476	16,980	11,243	4,522	2,191	2,396	4,194	7,710	10,368	12,037	14,907	18,417
60% Exceedance	15,026	16,447	8,492	2,929	1,359	1,525	2,996	6,008	9,813	10,849	14,464	15,468
70% Exceedance	14,756	15,875	4,688	1,457	745	931	1,999	4,280	9,124	10,284	14,347	15,062
80% Exceedance	14,379	14,282	3,037	785	435	589	1,205	2,400	7,167	9,928	13,962	14,967
90% Exceedance	14,048	10,510	1,375	376	239	316	792	1,491	5,290	9,180	13,728	14,746
Full Simulation Period Average[a]	17,135	16,044	10,055	6,121	3,810	3,620	5,147	7,390	10,300	12,682	15,942	17,561
Wet Water Years (28%)	13,813	13,258	8,368	1,126	581	912	1,594	3,222	6,537	9,436	13,776	14,322
Above Normal Years (14%)	13,956	14,556	9,697	2,946	1,188	1,176	2,605	5,338	8,541	9,981	14,004	14,937
Below Normal Years (18%)	18,371	17,062	8,675	5,803	4,021	3,160	4,712	7,170	10,384	12,154	15,087	18,279
Dry Water Years (24%)	19,345	16,832	10,706	10,156	5,499	4,797	6,360	8,719	11,407	14,396	17,381	19,900
Critical Water Years (16%)	21,498	20,251	14,179	11,947	8,982	9,250	12,256	14,734	16,667	18,750	20,230	21,209

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-15-7c. Sacramento River at Port Chicago Salinity, Alternative 4 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

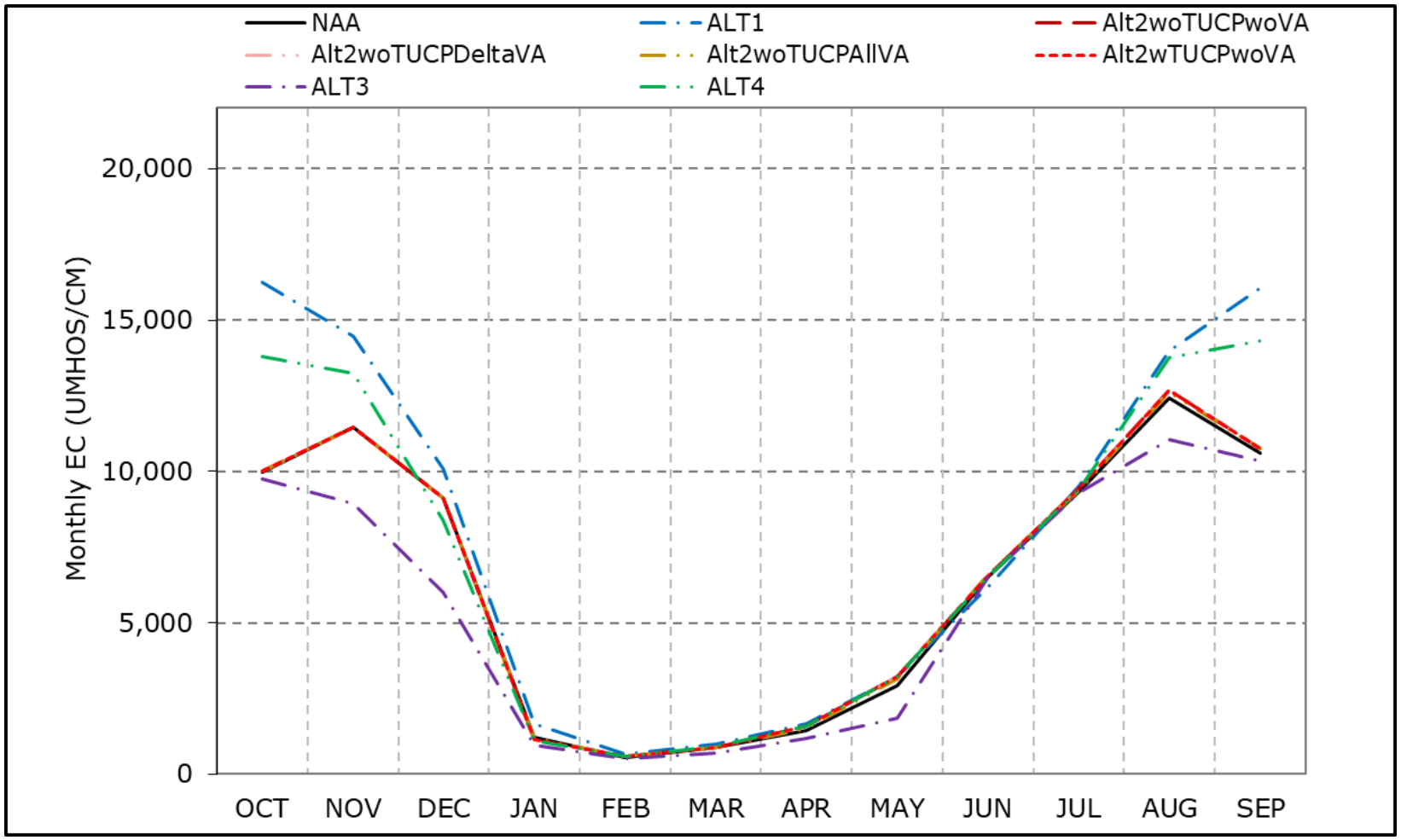
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-16	-168	126	-343	36	244	-497	-123	612	64	-396	14
20% Exceedance	26	91	-236	-1,290	104	276	173	231	259	42	-58	68
30% Exceedance	125	93	-662	-408	133	-9	51	463	243	-8	329	175
40% Exceedance	116	87	-1,119	-665	2	32	284	706	383	-286	-70	275
50% Exceedance	-147	2,385	-922	-242	36	-88	356	974	105	-230	21	400
60% Exceedance	4,333	2,114	26	-236	28	20	135	784	-7	29	1,114	4,137
70% Exceedance	4,268	1,929	-306	-32	-7	5	-27	341	97	216	1,480	4,050
80% Exceedance	4,022	1,276	-63	-46	1	28	83	114	31	176	1,479	4,147
90% Exceedance	3,916	1,265	-64	-6	0	3	3	129	-13	139	1,769	4,167
Full Simulation Period Average[a]	1,712	715	-418	-303	43	42	128	378	74	1	607	1,709
Wet Water Years (28%)	3,831	1,789	-748	-82	9	28	136	307	19	99	1,364	3,700
Above Normal Years (14%)	3,913	1,679	-425	-640	-24	8	224	549	15	198	1,760	4,339
Below Normal Years (18%)	59	-181	-139	-319	-29	-101	163	769	212	-142	-131	66
Dry Water Years (24%)	139	26	-153	-309	103	49	134	362	199	18	111	224
Critical Water Years (16%)	56	-77	-554	-366	152	244	-19	-61	-120	-207	-152	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



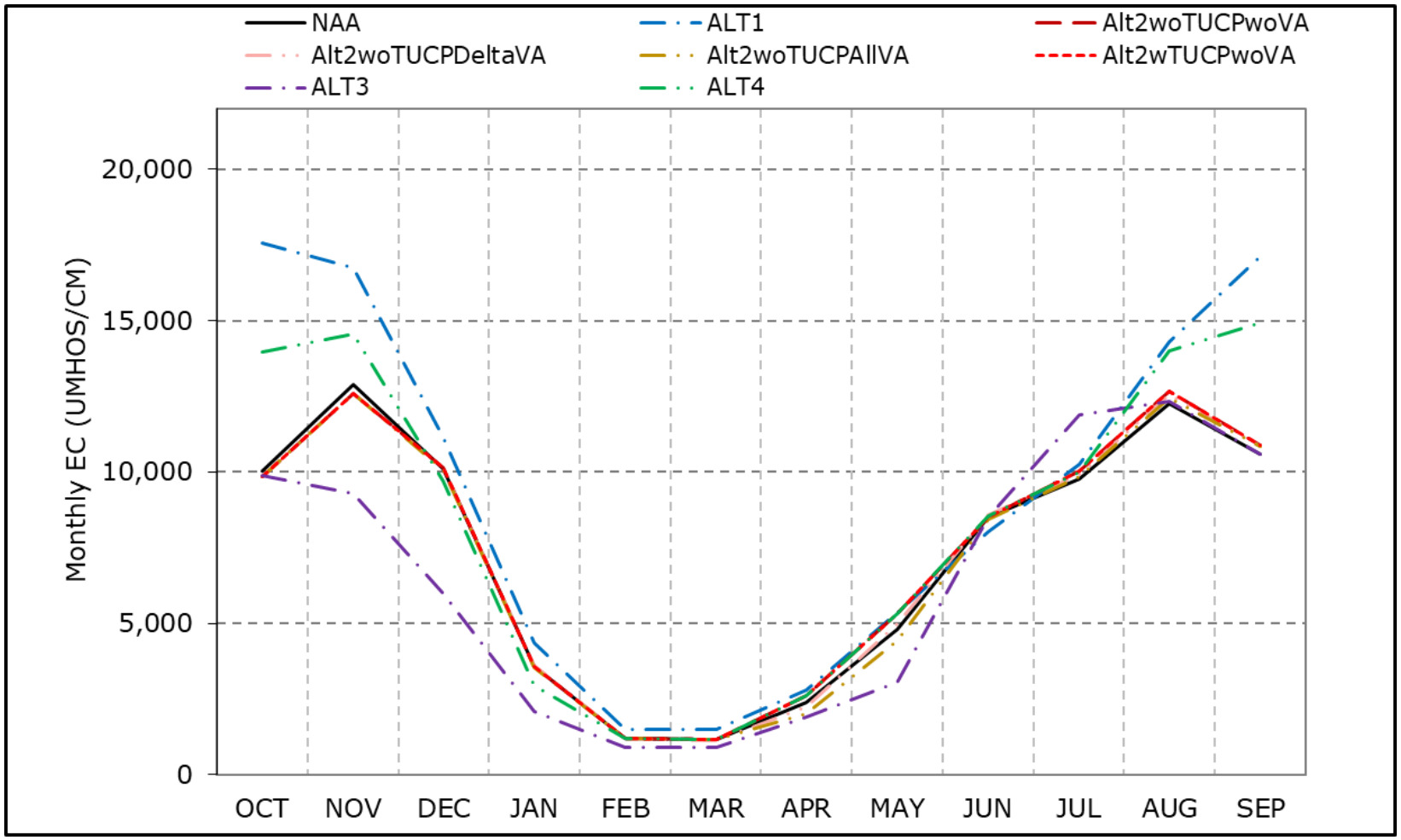
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-15-1. Sacramento River at Port Chicago Salinity, Long-Term Average Electrical Conductivity



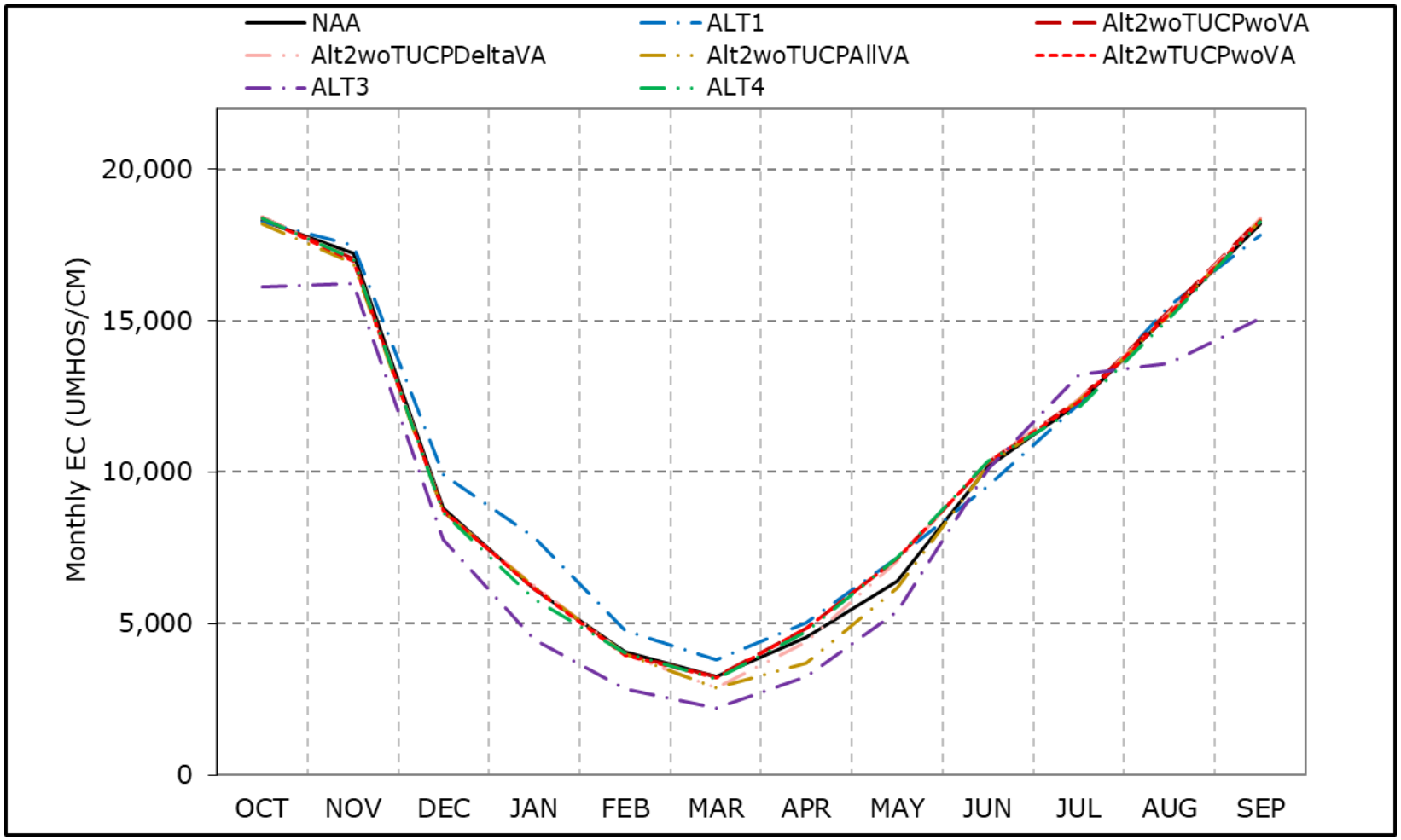
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-15-2. Sacramento River at Port Chicago Salinity, Wet Year Average Electrical Conductivity



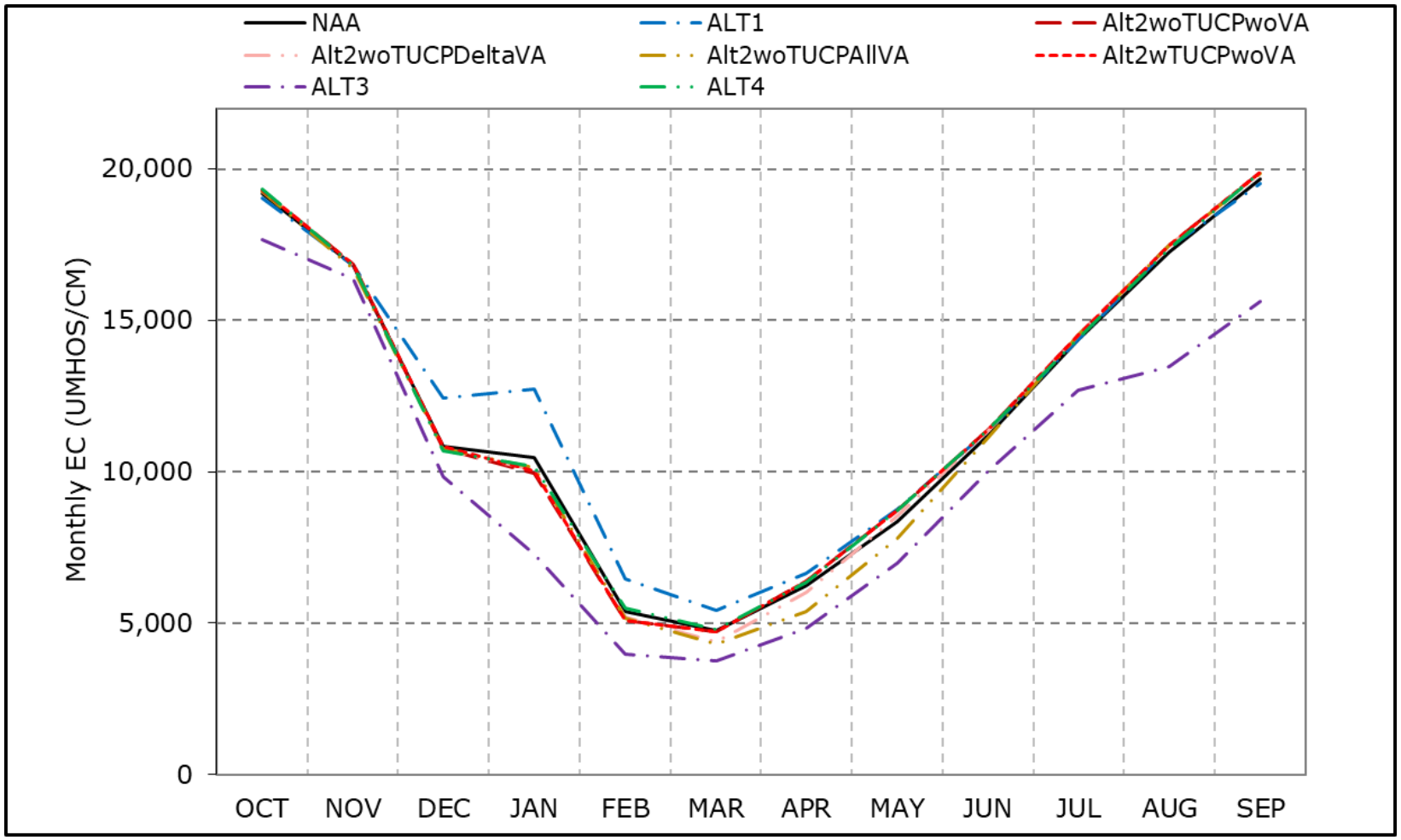
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-15-3. Sacramento River at Port Chicago Salinity, Above Normal Year Average Electrical Conductivity



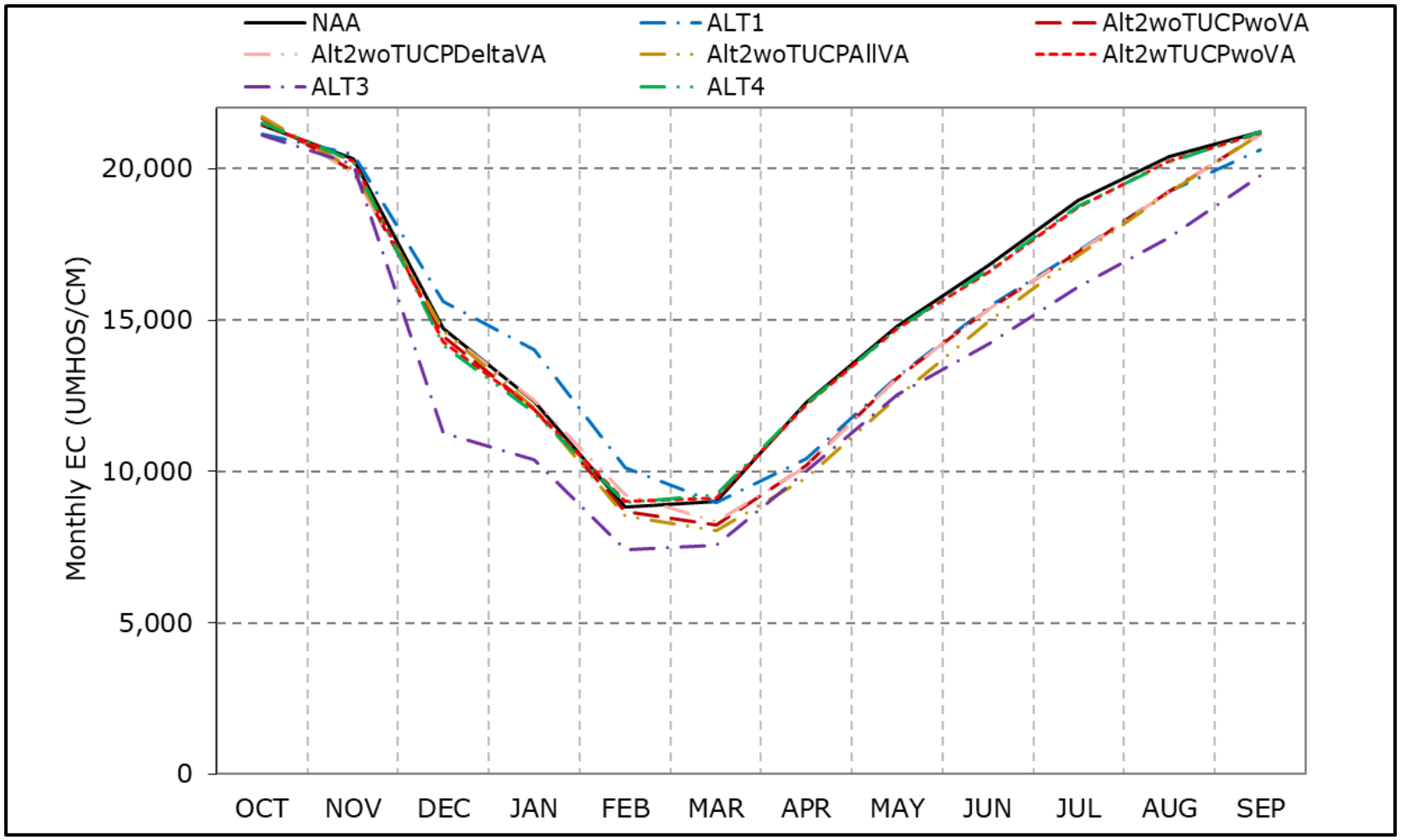
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-15-4. Sacramento River at Port Chicago Salinity, Below Normal Year Average Electrical Conductivity



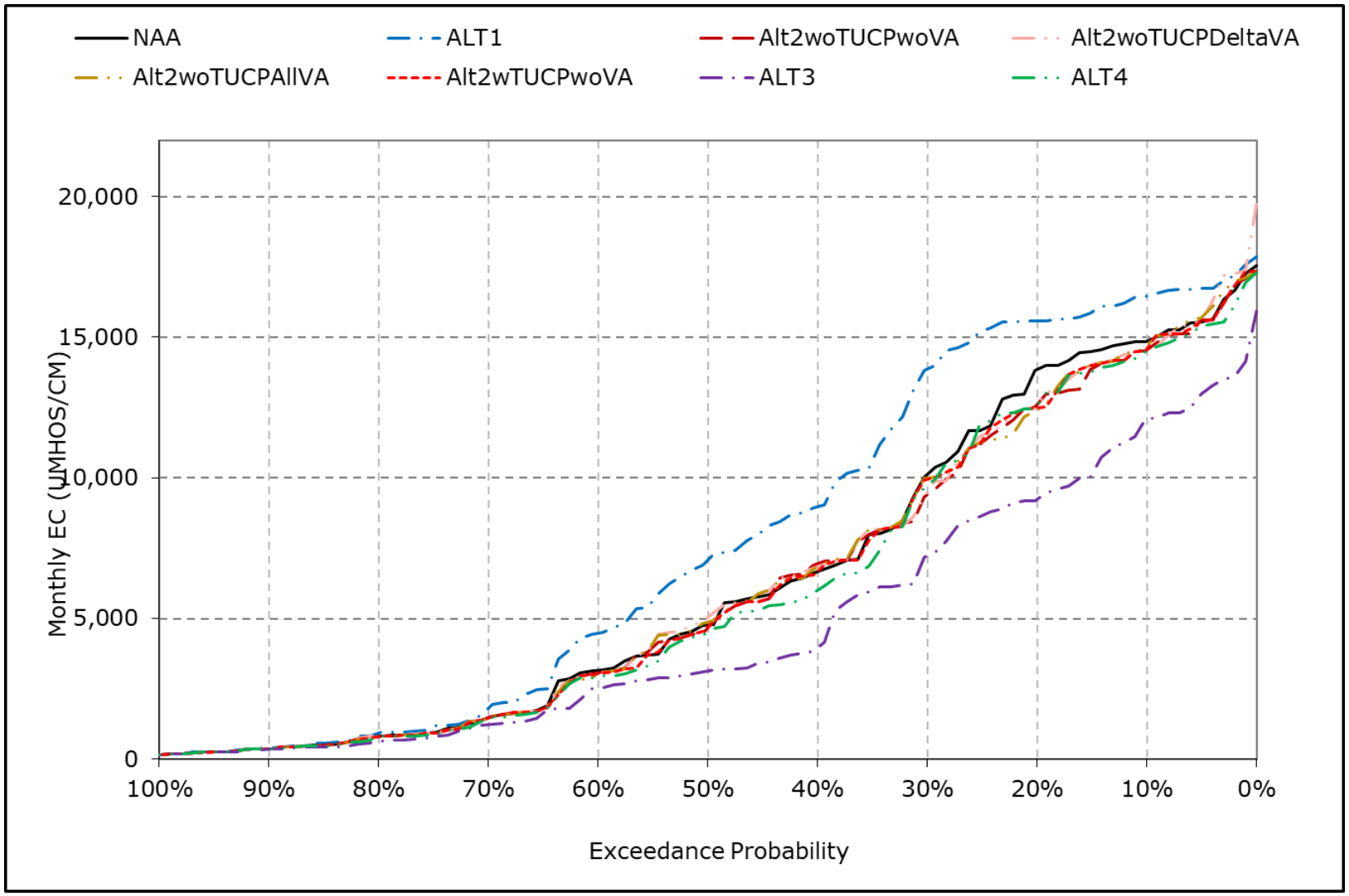
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-15-5. Sacramento River at Port Chicago Salinity, Dry Year Average Electrical Conductivity



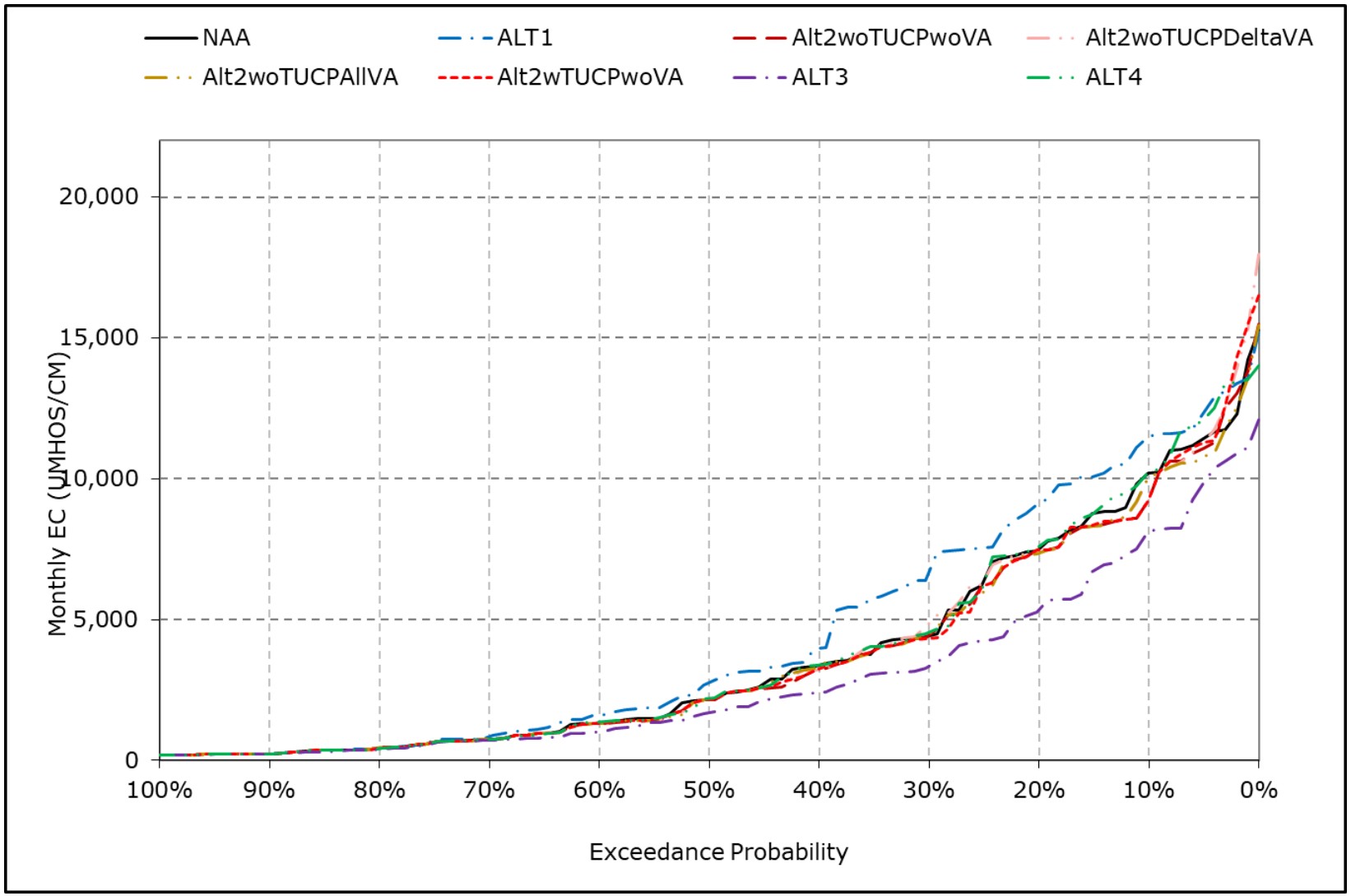
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-15-6. Sacramento River at Port Chicago Salinity, Critical Year Average Electrical Conductivity



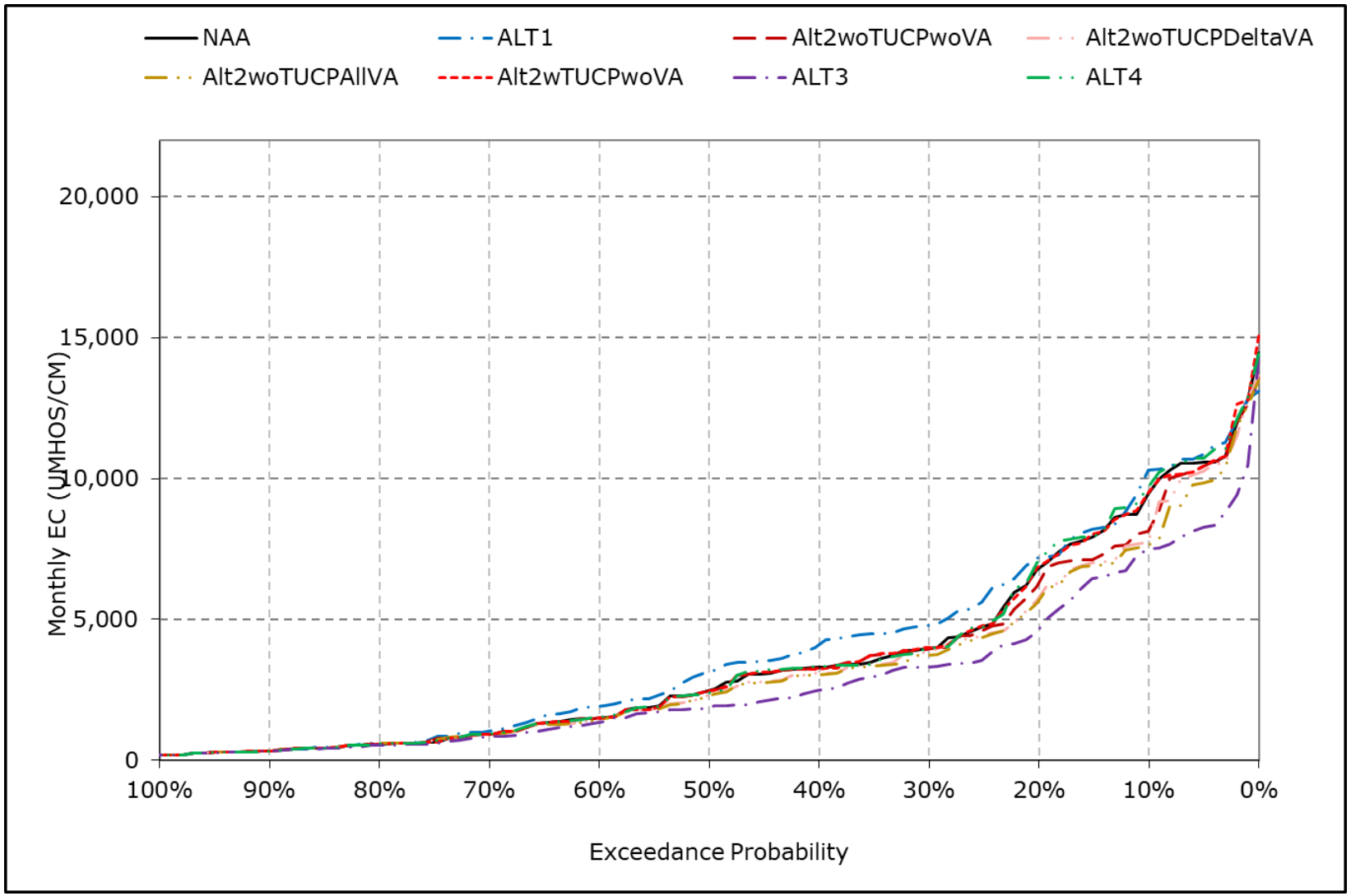
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-15-7. Sacramento River at Port Chicago Salinity, January Electrical Conductivity



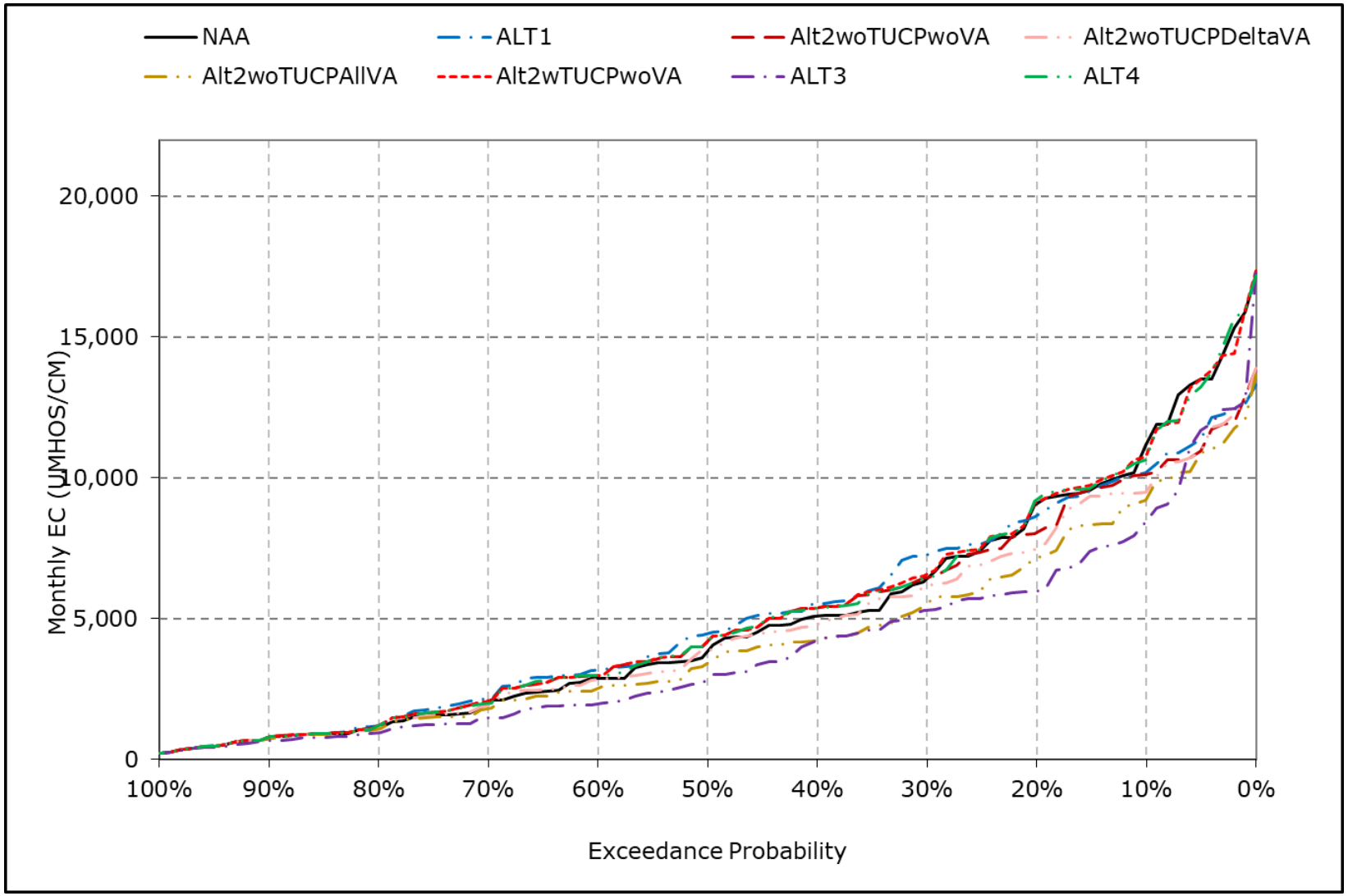
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-15-8. Sacramento River at Port Chicago Salinity, February Electrical Conductivity



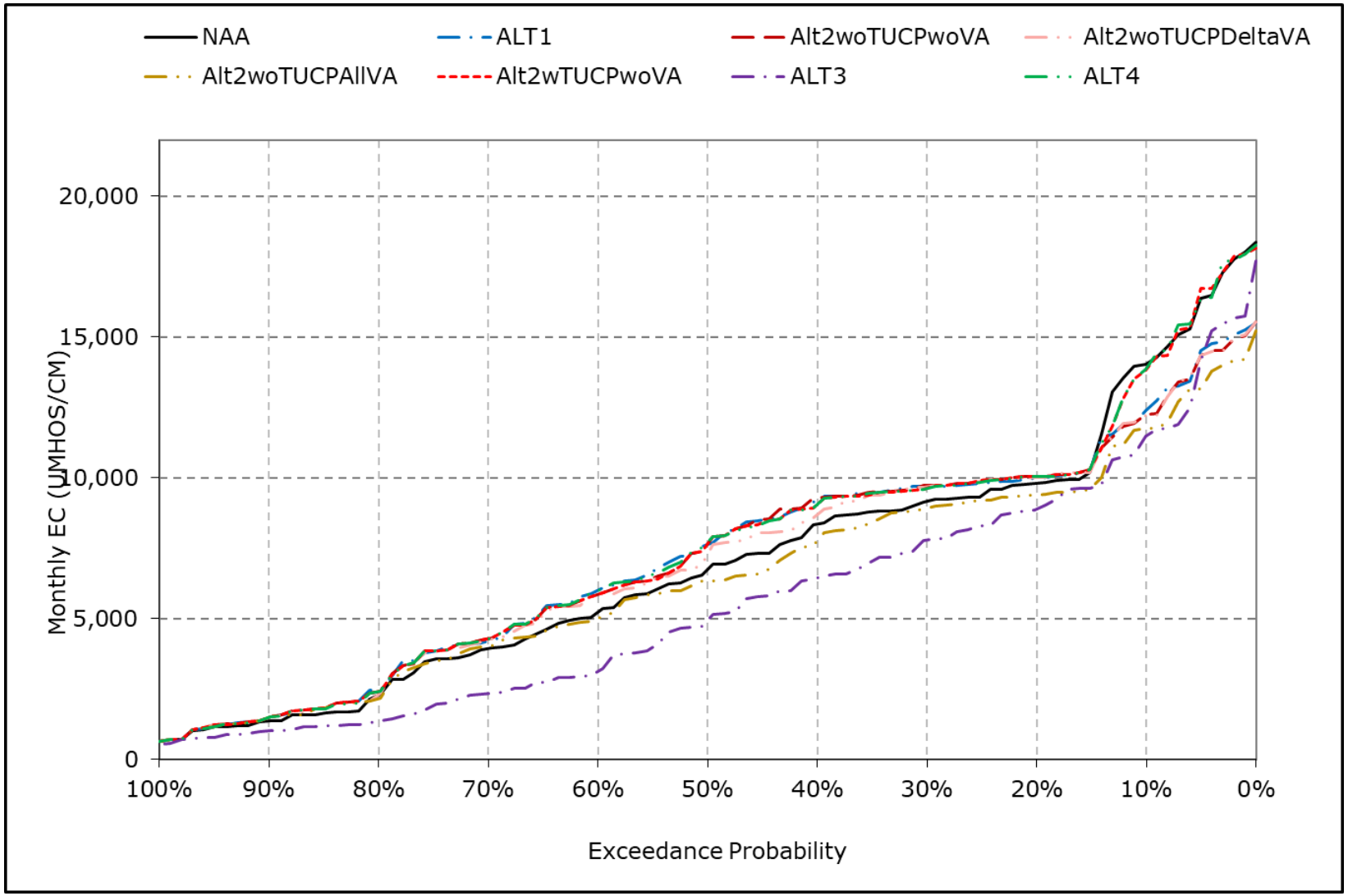
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-15-9. Sacramento River at Port Chicago Salinity, March Electrical Conductivity



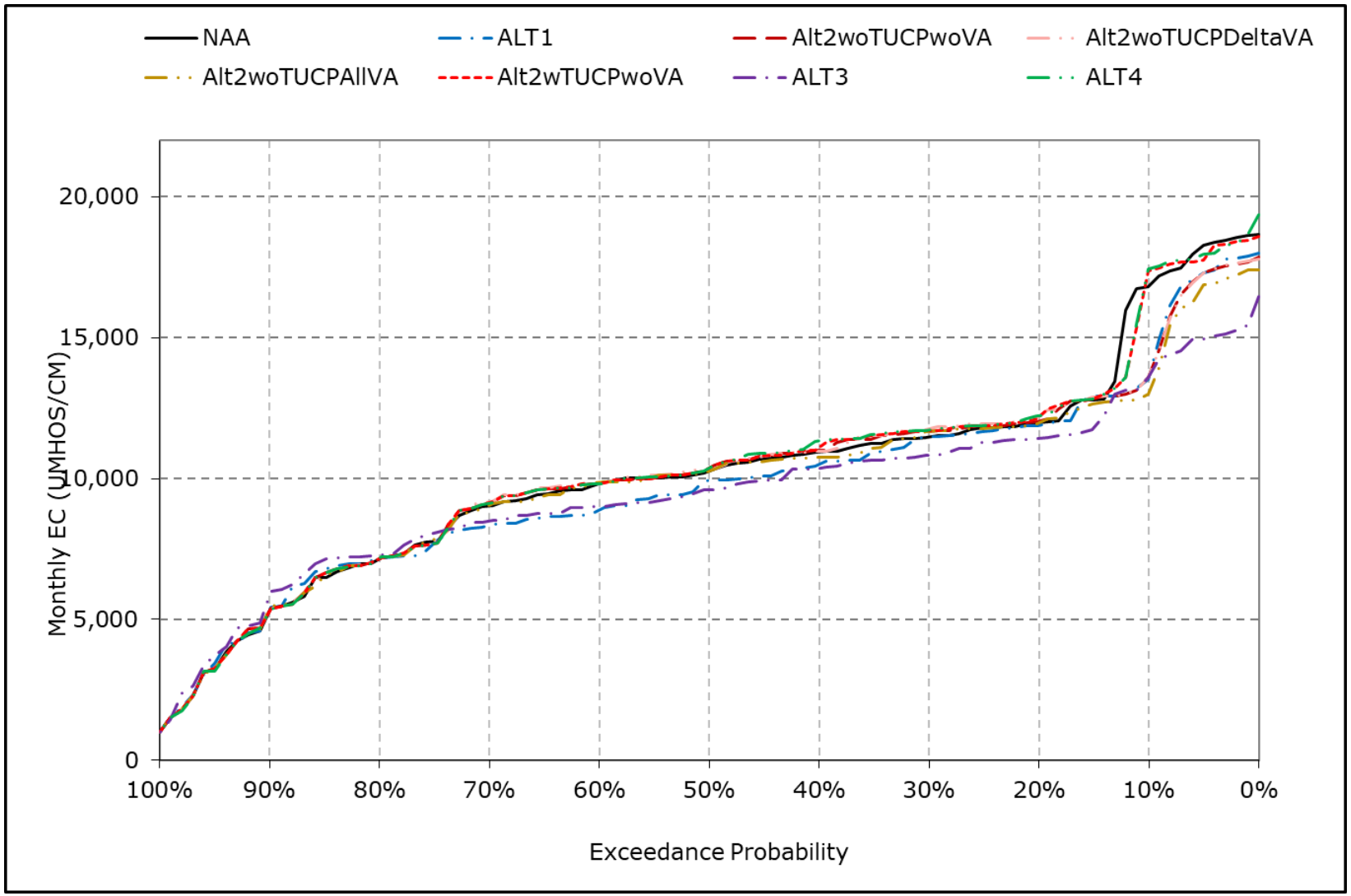
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-15-10. Sacramento River at Port Chicago Salinity, April Electrical Conductivity



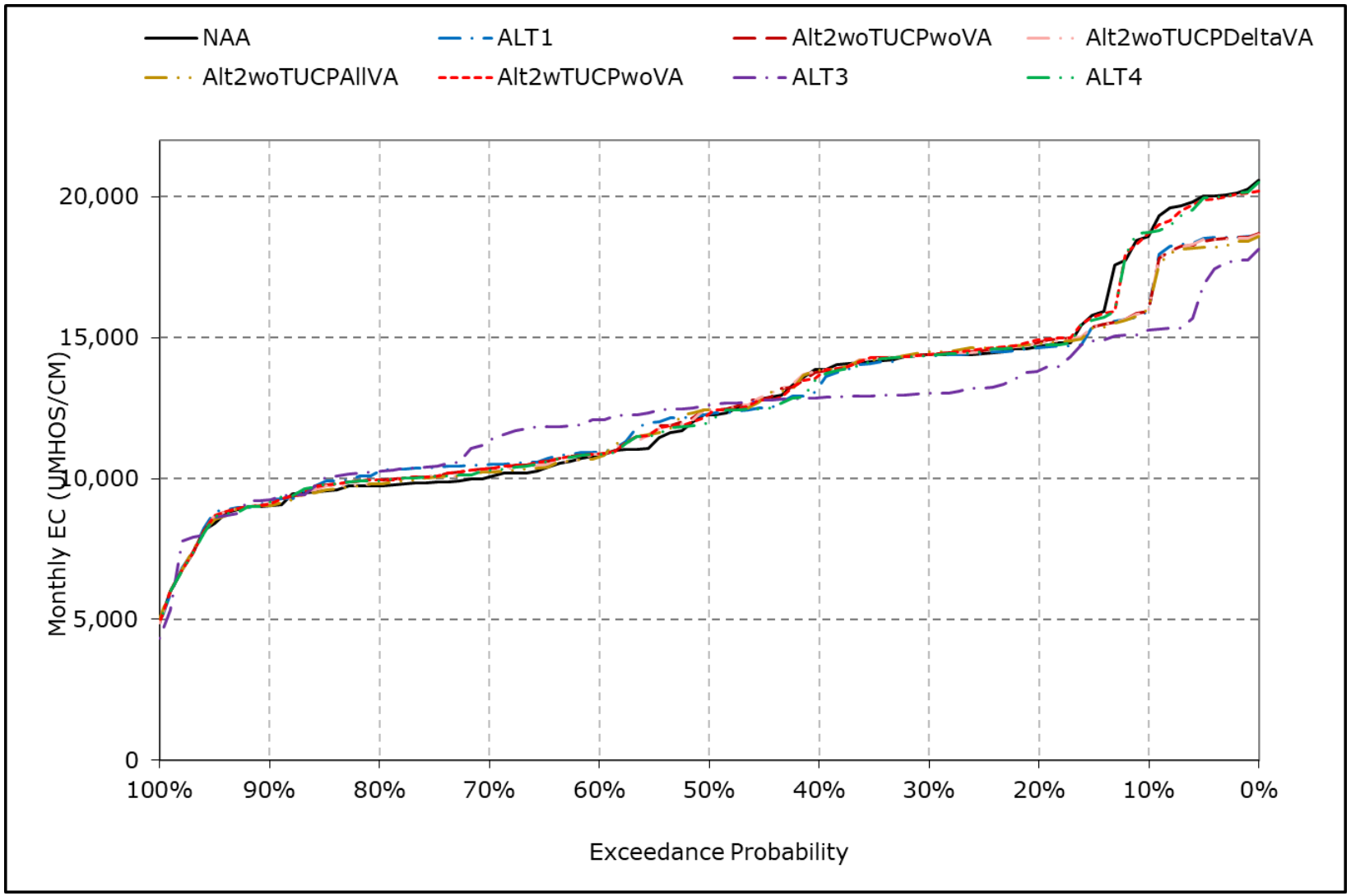
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-15-11. Sacramento River at Port Chicago Salinity, May Electrical Conductivity



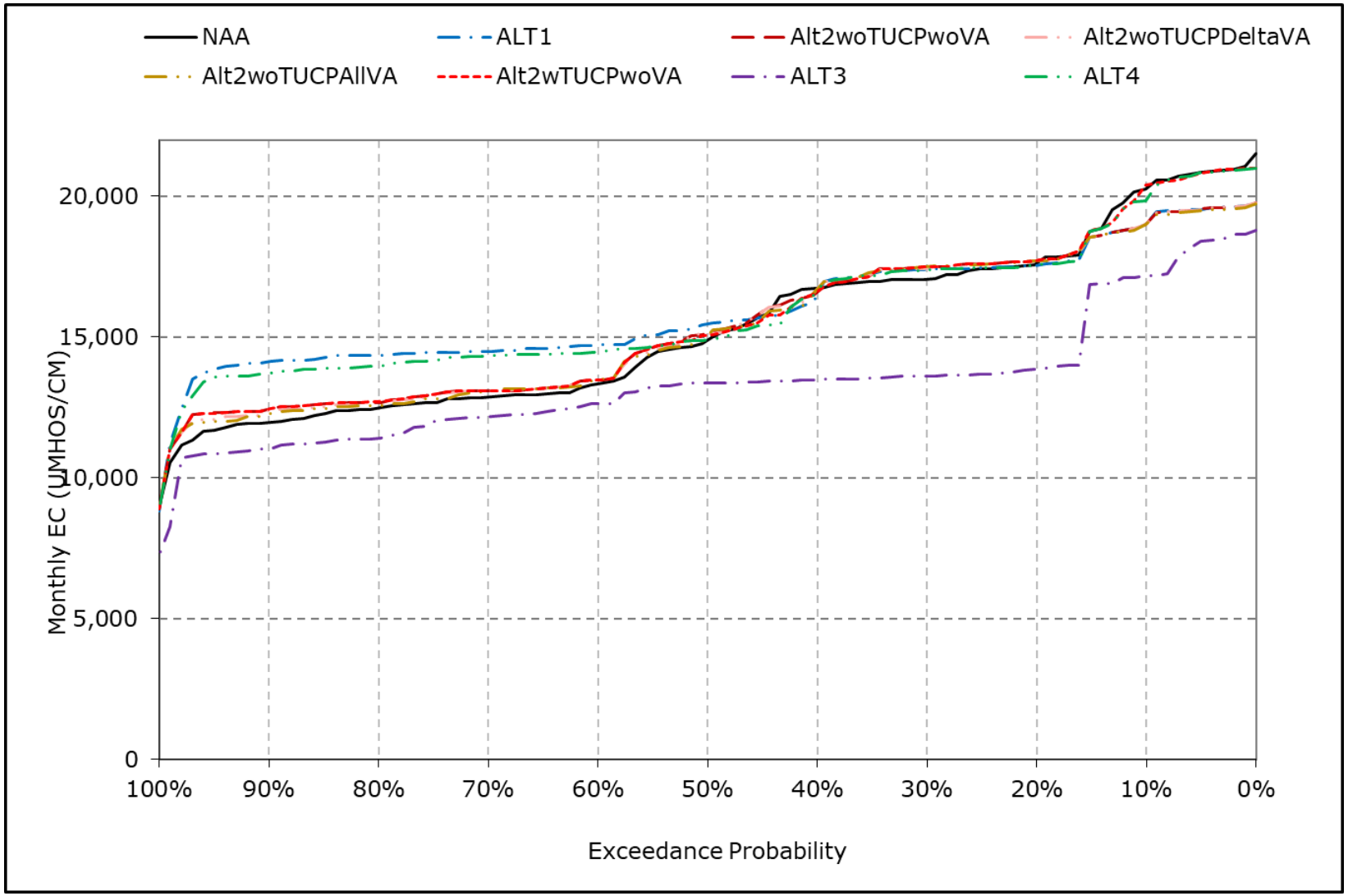
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-15-12. Sacramento River at Port Chicago Salinity, June Electrical Conductivity



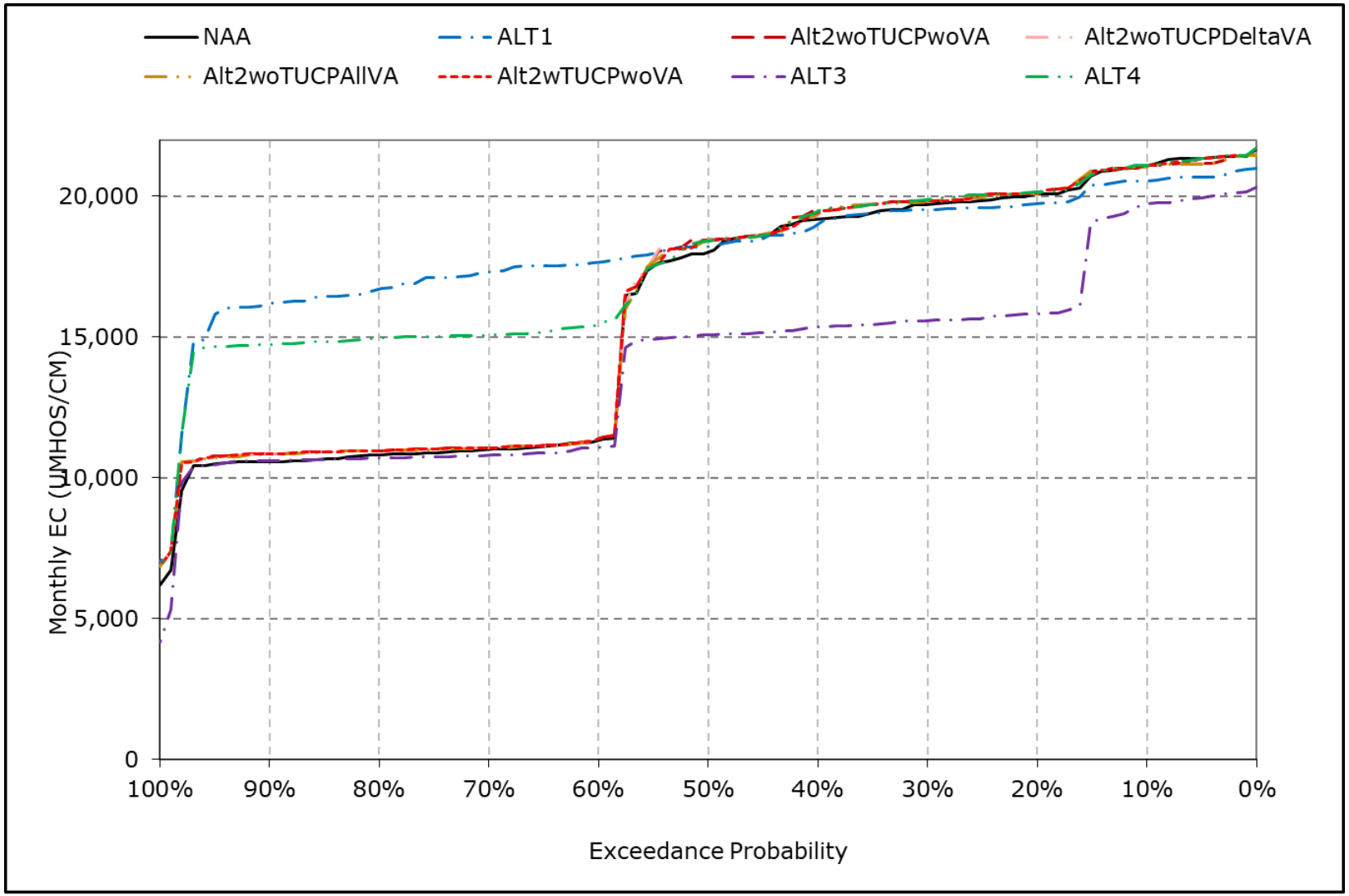
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-15-13. Sacramento River at Port Chicago Salinity, July Electrical Conductivity



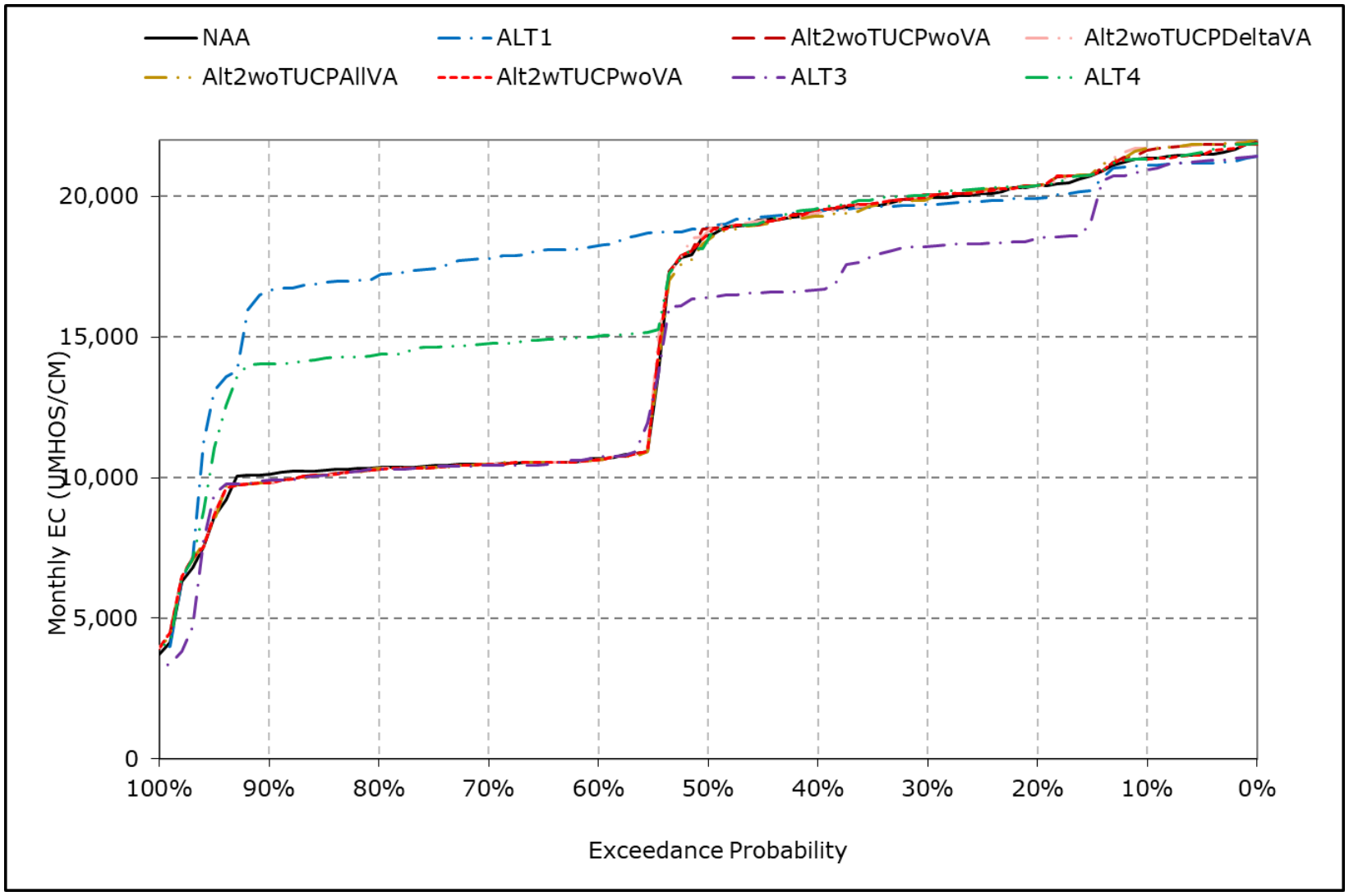
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-15-14. Sacramento River at Port Chicago Salinity, August Electrical Conductivity



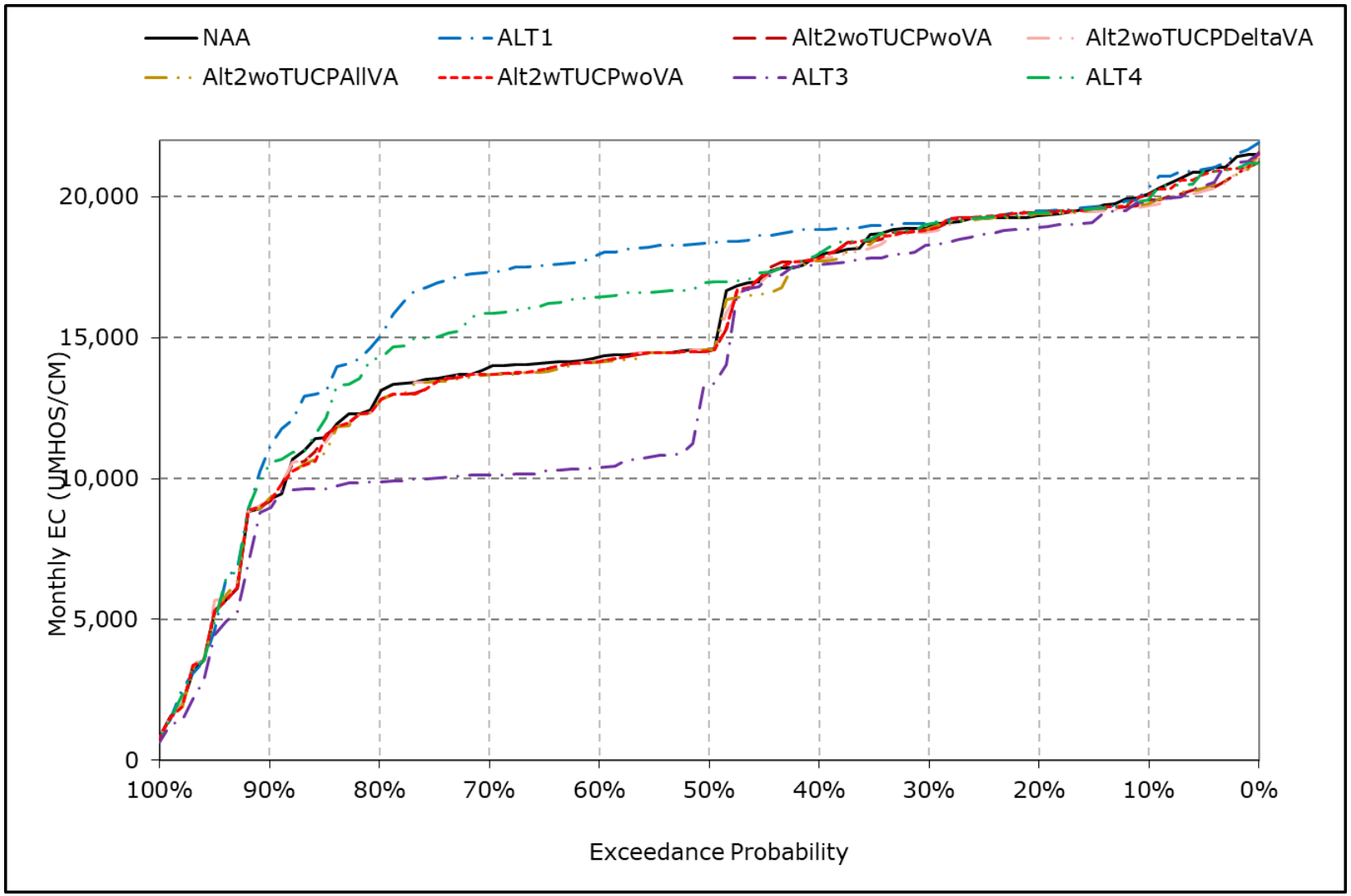
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-15-15. Sacramento River at Port Chicago Salinity, September Electrical Conductivity



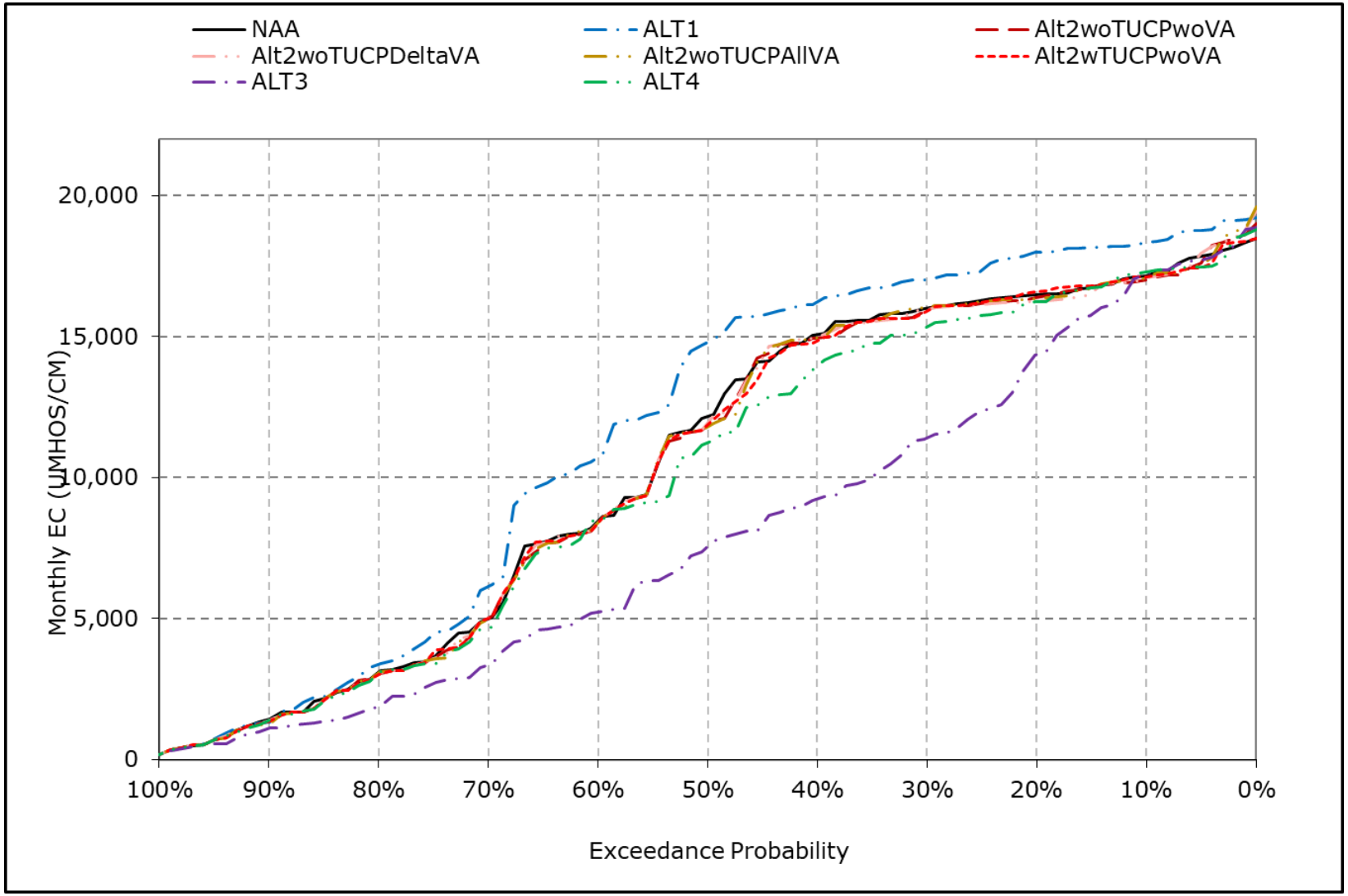
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-15-16. Sacramento River at Port Chicago Salinity, October Electrical Conductivity



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-15-17. Sacramento River at Port Chicago Salinity, November Electrical Conductivity



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-15-18. Sacramento River at Port Chicago Salinity, December Electrical Conductivity

Table F.2.5-16-1a. Jones Pumping Plant South Delta Exports Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	626	726	765	773	720	658	600	520	511	533	569	586
20% Exceedance	613	688	746	733	662	615	569	485	397	393	451	529
30% Exceedance	592	637	726	708	605	592	546	468	383	372	414	502
40% Exceedance	585	609	715	654	578	574	535	460	374	360	397	490
50% Exceedance	561	571	680	602	543	554	518	444	370	354	377	458
60% Exceedance	414	430	646	562	517	507	429	397	361	345	356	373
70% Exceedance	386	397	583	505	473	407	360	352	352	338	342	358
80% Exceedance	369	381	517	444	352	358	307	271	336	329	332	353
90% Exceedance	353	372	426	312	209	249	192	124	265	318	322	347
Full Simulation Period Average[a]	502	533	630	579	516	493	445	387	370	379	403	450
Wet Water Years (28%)	363	388	533	437	360	317	260	222	285	343	337	350
Above Normal Years (14%)	397	390	632	592	501	469	427	387	355	340	331	355
Below Normal Years (18%)	572	594	641	605	528	538	473	414	365	351	389	494
Dry Water Years (24%)	594	623	650	646	606	575	542	463	373	357	419	486
Critical Water Years (16%)	633	731	766	685	652	647	609	534	530	538	571	601

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-16-1b. Jones Pumping Plant South Delta Exports Salinity, Alternative 1, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	632	758	797	766	749	664	580	504	478	462	486	540
20% Exceedance	615	713	762	733	663	608	542	459	413	394	448	522
30% Exceedance	598	661	744	698	614	562	520	445	382	385	430	516
40% Exceedance	585	632	714	662	566	516	506	434	361	369	420	508
50% Exceedance	575	617	697	598	515	487	484	417	355	354	389	500
60% Exceedance	563	596	671	514	475	451	427	377	345	347	379	493
70% Exceedance	553	582	611	477	442	378	356	337	336	336	370	485
80% Exceedance	540	558	513	402	326	346	305	258	322	328	365	459
90% Exceedance	493	477	408	312	207	227	200	128	249	320	358	440
Full Simulation Period Average[a]	567	613	646	566	509	470	428	370	357	372	407	493
Wet Water Years (28%)	512	538	559	420	340	298	259	219	276	347	362	461
Above Normal Years (14%)	558	586	675	560	459	422	413	367	337	334	370	504
Below Normal Years (18%)	563	611	637	572	522	485	448	392	358	354	411	486
Dry Water Years (24%)	593	630	653	655	613	549	514	438	372	366	428	500
Critical Water Years (16%)	641	755	778	686	680	676	584	507	489	478	485	540

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-16-1c. Jones Pumping Plant South Delta Exports Salinity, Alternative 1 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6	32	32	-6	29	6	-20	-16	-33	-71	-82	-46
20% Exceedance	2	25	16	0	1	-8	-27	-26	16	1	-3	-7
30% Exceedance	5	25	19	-11	9	-30	-26	-23	-1	13	16	14
40% Exceedance	-1	23	-1	8	-12	-58	-29	-26	-13	9	24	17
50% Exceedance	14	47	16	-4	-28	-67	-33	-27	-14	0	11	42
60% Exceedance	149	166	24	-48	-42	-56	-3	-20	-17	2	23	120
70% Exceedance	167	184	28	-28	-31	-29	-4	-15	-16	-1	28	127
80% Exceedance	172	177	-5	-42	-26	-12	-2	-13	-13	-1	33	106
90% Exceedance	139	105	-18	0	-2	-22	8	4	-15	2	36	93
Full Simulation Period Average[a]	65	80	15	-13	-7	-23	-17	-18	-13	-7	5	44
Wet Water Years (28%)	149	151	26	-17	-20	-19	-1	-2	-9	4	24	110
Above Normal Years (14%)	161	196	43	-33	-42	-47	-14	-20	-18	-6	39	150
Below Normal Years (18%)	-8	17	-4	-33	-7	-53	-25	-22	-7	2	22	-8
Dry Water Years (24%)	-1	7	3	8	7	-25	-27	-25	-1	9	8	14
Critical Water Years (16%)	8	24	12	1	28	29	-24	-27	-41	-60	-86	-61

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-16-2a. Jones Pumping Plant South Delta Exports Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	626	726	765	773	720	658	600	520	511	533	569	586
20% Exceedance	613	688	746	733	662	615	569	485	397	393	451	529
30% Exceedance	592	637	726	708	605	592	546	468	383	372	414	502
40% Exceedance	585	609	715	654	578	574	535	460	374	360	397	490
50% Exceedance	561	571	680	602	543	554	518	444	370	354	377	458
60% Exceedance	414	430	646	562	517	507	429	397	361	345	356	373
70% Exceedance	386	397	583	505	473	407	360	352	352	338	342	358
80% Exceedance	369	381	517	444	352	358	307	271	336	329	332	353
90% Exceedance	353	372	426	312	209	249	192	124	265	318	322	347
Full Simulation Period Average[a]	502	533	630	579	516	493	445	387	370	379	403	450
Wet Water Years (28%)	363	388	533	437	360	317	260	222	285	343	337	350
Above Normal Years (14%)	397	390	632	592	501	469	427	387	355	340	331	355
Below Normal Years (18%)	572	594	641	605	528	538	473	414	365	351	389	494
Dry Water Years (24%)	594	623	650	646	606	575	542	463	373	357	419	486
Critical Water Years (16%)	633	731	766	685	652	647	609	534	530	538	571	601

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-16-2b. Jones Pumping Plant South Delta Exports Salinity, Alt2woTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	633	736	766	770	724	665	582	510	472	458	495	537
20% Exceedance	615	689	740	728	654	627	561	470	411	394	438	522
30% Exceedance	601	640	721	705	616	597	544	461	388	382	415	504
40% Exceedance	587	606	708	648	574	578	531	456	379	369	407	489
50% Exceedance	561	567	672	609	553	558	513	428	372	354	385	464
60% Exceedance	420	429	639	563	521	501	438	388	365	346	362	382
70% Exceedance	387	401	572	508	481	403	360	344	354	339	351	368
80% Exceedance	373	382	521	450	351	353	308	262	333	331	341	360
90% Exceedance	356	371	420	312	208	238	195	127	264	317	328	347
Full Simulation Period Average[a]	505	537	625	580	517	498	441	378	366	372	395	444
Wet Water Years (28%)	365	388	531	436	357	315	261	220	286	347	344	354
Above Normal Years (14%)	398	388	626	597	503	468	423	372	355	337	341	367
Below Normal Years (18%)	577	595	637	608	532	535	474	407	370	356	397	491
Dry Water Years (24%)	599	629	652	647	610	578	540	457	381	364	429	499
Critical Water Years (16%)	638	746	746	686	656	681	585	507	488	472	477	536

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-16-2c. Jones Pumping Plant South Delta Exports Salinity, Alt2woTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7	10	1	-2	4	7	-17	-10	-39	-75	-74	-48
20% Exceedance	2	0	-6	-5	-7	12	-8	-15	13	1	-13	-7
30% Exceedance	8	3	-5	-3	11	6	-2	-7	5	10	1	3
40% Exceedance	1	-4	-7	-6	-3	4	-3	-5	5	9	10	-1
50% Exceedance	0	-4	-8	7	10	3	-4	-17	3	0	8	6
60% Exceedance	6	-1	-7	1	4	-6	8	-9	4	1	6	9
70% Exceedance	1	4	-11	3	8	-5	0	-8	2	2	9	9
80% Exceedance	4	1	4	7	-1	-4	1	-9	-2	3	10	7
90% Exceedance	2	-1	-6	1	-1	-10	3	3	-1	-1	6	0
Full Simulation Period Average[a]	4	4	-5	2	2	5	-4	-10	-4	-7	-8	-5
Wet Water Years (28%)	1	1	-2	-1	-3	-2	1	-2	2	5	6	4
Above Normal Years (14%)	2	-2	-6	5	2	-1	-4	-15	0	-3	10	12
Below Normal Years (18%)	5	0	-5	3	4	-3	0	-7	5	4	9	-4
Dry Water Years (24%)	5	6	2	1	3	3	-2	-6	8	7	10	13
Critical Water Years (16%)	5	15	-20	1	4	34	-24	-27	-43	-65	-94	-65

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-16-3a. Jones Pumping Plant South Delta Exports Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	626	726	765	773	720	658	600	520	511	533	569	586
20% Exceedance	613	688	746	733	662	615	569	485	397	393	451	529
30% Exceedance	592	637	726	708	605	592	546	468	383	372	414	502
40% Exceedance	585	609	715	654	578	574	535	460	374	360	397	490
50% Exceedance	561	571	680	602	543	554	518	444	370	354	377	458
60% Exceedance	414	430	646	562	517	507	429	397	361	345	356	373
70% Exceedance	386	397	583	505	473	407	360	352	352	338	342	358
80% Exceedance	369	381	517	444	352	358	307	271	336	329	332	353
90% Exceedance	353	372	426	312	209	249	192	124	265	318	322	347
Full Simulation Period Average[a]	502	533	630	579	516	493	445	387	370	379	403	450
Wet Water Years (28%)	363	388	533	437	360	317	260	222	285	343	337	350
Above Normal Years (14%)	397	390	632	592	501	469	427	387	355	340	331	355
Below Normal Years (18%)	572	594	641	605	528	538	473	414	365	351	389	494
Dry Water Years (24%)	594	623	650	646	606	575	542	463	373	357	419	486
Critical Water Years (16%)	633	731	766	685	652	647	609	534	530	538	571	601

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-16-3b. Jones Pumping Plant South Delta Exports Salinity, Alt2woTUCPDeltaVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	638	735	765	766	725	736	619	519	472	458	490	546
20% Exceedance	616	701	738	737	661	705	594	498	411	396	446	532
30% Exceedance	602	646	726	692	623	662	577	481	392	384	423	512
40% Exceedance	587	597	709	643	579	630	562	471	386	368	408	494
50% Exceedance	564	571	671	610	552	588	530	448	378	355	392	473
60% Exceedance	415	431	637	564	524	518	446	401	370	349	363	381
70% Exceedance	384	403	576	509	484	413	362	351	361	341	351	368
80% Exceedance	374	384	520	452	351	355	307	264	338	331	341	360
90% Exceedance	356	373	421	312	208	238	193	127	264	318	325	347
Full Simulation Period Average[a]	506	539	626	580	521	532	458	388	369	372	397	448
Wet Water Years (28%)	365	389	531	439	357	323	263	222	286	348	343	354
Above Normal Years (14%)	397	390	629	598	503	501	443	389	360	339	339	365
Below Normal Years (18%)	579	598	640	615	535	604	499	420	374	356	402	497
Dry Water Years (24%)	600	630	648	639	610	632	577	477	386	365	437	509
Critical Water Years (16%)	642	753	748	683	676	691	590	509	488	472	477	537

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-16-3c. Jones Pumping Plant South Delta Exports Salinity, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	12	9	-1	-7	6	78	20	-1	-39	-75	-79	-40
20% Exceedance	3	13	-7	4	-1	90	25	13	13	4	-6	3
30% Exceedance	10	9	0	-16	18	71	31	13	9	11	9	10
40% Exceedance	1	-12	-6	-11	1	55	27	11	11	8	12	3
50% Exceedance	3	1	-9	8	10	34	13	4	9	1	15	15
60% Exceedance	1	0	-9	2	7	10	17	3	9	4	7	8
70% Exceedance	-3	5	-7	4	11	6	1	-1	8	4	9	10
80% Exceedance	5	3	3	8	-1	-3	0	-8	2	2	10	7
90% Exceedance	3	1	-5	0	-1	-10	1	3	0	0	3	0
Full Simulation Period Average[a]	5	6	-4	1	5	39	13	1	-1	-6	-6	-2
Wet Water Years (28%)	1	2	-2	2	-3	6	3	0	2	5	5	4
Above Normal Years (14%)	1	0	-2	5	2	33	16	2	5	-1	8	10
Below Normal Years (18%)	7	4	-1	10	7	66	26	6	8	5	13	3
Dry Water Years (24%)	6	7	-2	-7	4	57	35	14	13	8	18	23
Critical Water Years (16%)	8	21	-19	-2	24	44	-19	-25	-42	-66	-94	-64

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-16-4a. Jones Pumping Plant South Delta Exports Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	626	726	765	773	720	658	600	520	511	533	569	586
20% Exceedance	613	688	746	733	662	615	569	485	397	393	451	529
30% Exceedance	592	637	726	708	605	592	546	468	383	372	414	502
40% Exceedance	585	609	715	654	578	574	535	460	374	360	397	490
50% Exceedance	561	571	680	602	543	554	518	444	370	354	377	458
60% Exceedance	414	430	646	562	517	507	429	397	361	345	356	373
70% Exceedance	386	397	583	505	473	407	360	352	352	338	342	358
80% Exceedance	369	381	517	444	352	358	307	271	336	329	332	353
90% Exceedance	353	372	426	312	209	249	192	124	265	318	322	347
Full Simulation Period Average[a]	502	533	630	579	516	493	445	387	370	379	403	450
Wet Water Years (28%)	363	388	533	437	360	317	260	222	285	343	337	350
Above Normal Years (14%)	397	390	632	592	501	469	427	387	355	340	331	355
Below Normal Years (18%)	572	594	641	605	528	538	473	414	365	351	389	494
Dry Water Years (24%)	594	623	650	646	606	575	542	463	373	357	419	486
Critical Water Years (16%)	633	731	766	685	652	647	609	534	530	538	571	601

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-16-4b. Jones Pumping Plant South Delta Exports Salinity, Alt2woTUCPAllVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	639	733	772	767	704	736	620	518	471	443	482	542
20% Exceedance	614	688	736	737	659	705	595	501	409	397	439	529
30% Exceedance	602	643	725	692	621	660	578	482	389	382	423	511
40% Exceedance	586	594	707	650	578	639	561	471	382	375	408	491
50% Exceedance	564	569	667	614	550	596	530	447	374	358	392	475
60% Exceedance	413	429	639	568	524	520	435	400	368	348	364	379
70% Exceedance	386	402	576	509	482	413	362	349	360	344	350	368
80% Exceedance	372	384	519	451	351	355	307	264	337	336	339	360
90% Exceedance	354	371	423	312	208	239	193	127	264	324	324	347
Full Simulation Period Average[a]	505	536	626	580	518	531	458	388	366	372	395	447
Wet Water Years (28%)	363	389	531	437	357	321	261	221	286	349	342	354
Above Normal Years (14%)	396	389	630	596	502	500	443	389	358	344	338	363
Below Normal Years (18%)	576	590	642	609	534	603	498	419	370	359	398	496
Dry Water Years (24%)	600	628	647	645	611	633	577	480	384	368	439	508
Critical Water Years (16%)	644	749	751	688	657	691	589	506	478	457	470	534

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-16-4c. Jones Pumping Plant South Delta Exports Salinity, Alt2woTUCPAllVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	13	7	7	-6	-16	78	20	-2	-40	-91	-86	-44
20% Exceedance	1	-1	-9	4	-3	90	25	16	12	4	-12	1
30% Exceedance	10	6	-1	-17	16	68	32	14	6	10	10	10
40% Exceedance	1	-16	-8	-4	0	64	27	11	8	14	11	1
50% Exceedance	3	-2	-13	12	8	42	13	3	4	4	14	17
60% Exceedance	-1	-1	-8	6	7	13	6	2	7	3	8	6
70% Exceedance	-1	5	-7	4	9	6	1	-3	8	6	8	9
80% Exceedance	3	3	2	8	-1	-3	0	-8	1	7	7	7
90% Exceedance	1	-1	-3	1	-1	-10	1	3	0	6	1	0
Full Simulation Period Average[a]	4	3	-4	2	2	38	12	1	-4	-7	-8	-3
Wet Water Years (28%)	0	1	-2	1	-3	4	1	0	2	6	5	3
Above Normal Years (14%)	-1	-1	-2	3	1	32	16	2	3	4	7	8
Below Normal Years (18%)	4	-4	1	5	6	66	25	6	4	8	9	2
Dry Water Years (24%)	6	5	-3	-1	4	58	35	18	11	10	19	22
Critical Water Years (16%)	11	18	-16	3	6	44	-20	-28	-52	-80	-102	-67

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-16-5a. Jones Pumping Plant South Delta Exports Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	626	726	765	773	720	658	600	520	511	533	569	586
20% Exceedance	613	688	746	733	662	615	569	485	397	393	451	529
30% Exceedance	592	637	726	708	605	592	546	468	383	372	414	502
40% Exceedance	585	609	715	654	578	574	535	460	374	360	397	490
50% Exceedance	561	571	680	602	543	554	518	444	370	354	377	458
60% Exceedance	414	430	646	562	517	507	429	397	361	345	356	373
70% Exceedance	386	397	583	505	473	407	360	352	352	338	342	358
80% Exceedance	369	381	517	444	352	358	307	271	336	329	332	353
90% Exceedance	353	372	426	312	209	249	192	124	265	318	322	347
Full Simulation Period Average[a]	502	533	630	579	516	493	445	387	370	379	403	450
Wet Water Years (28%)	363	388	533	437	360	317	260	222	285	343	337	350
Above Normal Years (14%)	397	390	632	592	501	469	427	387	355	340	331	355
Below Normal Years (18%)	572	594	641	605	528	538	473	414	365	351	389	494
Dry Water Years (24%)	594	623	650	646	606	575	542	463	373	357	419	486
Critical Water Years (16%)	633	731	766	685	652	647	609	534	530	538	571	601

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-16-5b. Jones Pumping Plant South Delta Exports Salinity, Alt2wTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	632	735	764	769	724	665	605	517	492	537	569	578
20% Exceedance	616	685	744	721	655	621	564	470	409	401	449	528
30% Exceedance	596	640	722	705	620	594	544	461	388	384	421	507
40% Exceedance	586	595	708	665	579	575	531	454	380	369	407	491
50% Exceedance	560	562	674	609	553	558	512	428	372	354	388	469
60% Exceedance	420	430	639	567	521	501	428	388	365	347	361	385
70% Exceedance	386	401	575	510	481	403	360	339	354	339	349	366
80% Exceedance	373	382	521	450	351	353	308	262	333	331	341	360
90% Exceedance	356	371	420	312	208	238	195	127	264	317	328	347
Full Simulation Period Average[a]	504	535	626	580	518	495	444	381	372	381	408	454
Wet Water Years (28%)	365	388	531	436	357	314	260	220	286	347	344	354
Above Normal Years (14%)	398	389	626	597	502	466	423	372	355	337	340	366
Below Normal Years (18%)	575	590	637	604	531	540	475	406	369	355	397	493
Dry Water Years (24%)	599	627	652	652	611	578	540	456	381	365	431	500
Critical Water Years (16%)	630	739	752	682	656	663	605	528	529	530	556	592

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-16-5c. Jones Pumping Plant South Delta Exports Salinity, Alt2wTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6	8	-1	-4	5	7	5	-2	-18	4	1	-8
20% Exceedance	3	-3	-2	-12	-7	6	-5	-15	12	8	-2	-1
30% Exceedance	4	3	-3	-3	14	2	-2	-7	5	12	8	5
40% Exceedance	0	-14	-7	11	1	0	-4	-6	5	9	11	1
50% Exceedance	-1	-9	-7	7	10	3	-5	-17	2	-1	10	11
60% Exceedance	6	0	-8	5	4	-6	-1	-9	4	2	5	12
70% Exceedance	-1	4	-8	5	8	-5	-1	-13	1	2	7	8
80% Exceedance	4	1	4	7	-1	-4	1	-9	-2	2	10	7
90% Exceedance	2	-1	-6	1	-1	-10	3	3	-1	-1	5	0
Full Simulation Period Average[a]	2	2	-4	1	2	3	-1	-7	3	2	5	4
Wet Water Years (28%)	1	1	-2	-1	-4	-3	0	-2	2	5	6	4
Above Normal Years (14%)	1	-1	-5	4	1	-3	-4	-15	0	-3	10	12
Below Normal Years (18%)	3	-4	-4	-1	3	2	2	-8	4	4	9	-1
Dry Water Years (24%)	5	5	2	6	5	3	-2	-7	8	7	11	14
Critical Water Years (16%)	-3	8	-14	-3	5	16	-4	-6	-1	-8	-15	-9

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-16-6a. Jones Pumping Plant South Delta Exports Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	626	726	765	773	720	658	600	520	511	533	569	586
20% Exceedance	613	688	746	733	662	615	569	485	397	393	451	529
30% Exceedance	592	637	726	708	605	592	546	468	383	372	414	502
40% Exceedance	585	609	715	654	578	574	535	460	374	360	397	490
50% Exceedance	561	571	680	602	543	554	518	444	370	354	377	458
60% Exceedance	414	430	646	562	517	507	429	397	361	345	356	373
70% Exceedance	386	397	583	505	473	407	360	352	352	338	342	358
80% Exceedance	369	381	517	444	352	358	307	271	336	329	332	353
90% Exceedance	353	372	426	312	209	249	192	124	265	318	322	347
Full Simulation Period Average[a]	502	533	630	579	516	493	445	387	370	379	403	450
Wet Water Years (28%)	363	388	533	437	360	317	260	222	285	343	337	350
Above Normal Years (14%)	397	390	632	592	501	469	427	387	355	340	331	355
Below Normal Years (18%)	572	594	641	605	528	538	473	414	365	351	389	494
Dry Water Years (24%)	594	623	650	646	606	575	542	463	373	357	419	486
Critical Water Years (16%)	633	731	766	685	652	647	609	534	530	538	571	601

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-16-6b. Jones Pumping Plant South Delta Exports Salinity, Alternative 3, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	562	689	800	748	726	777	660	584	542	477	460	445
20% Exceedance	488	609	754	702	686	726	648	567	526	454	409	391
30% Exceedance	462	573	733	647	628	650	638	552	505	436	373	352
40% Exceedance	453	551	699	620	585	589	568	491	487	420	363	343
50% Exceedance	437	503	650	597	562	545	510	421	467	398	352	339
60% Exceedance	424	484	582	556	527	494	423	397	453	381	343	332
70% Exceedance	404	453	506	516	494	396	350	345	412	368	336	325
80% Exceedance	386	421	470	460	335	332	296	234	348	356	329	320
90% Exceedance	363	376	424	339	212	229	170	112	240	333	313	315
Full Simulation Period Average[a]	444	518	615	566	525	520	465	407	429	402	367	356
Wet Water Years (28%)	387	415	469	451	360	313	249	212	294	396	383	350
Above Normal Years (14%)	419	460	592	592	493	480	410	374	426	412	372	354
Below Normal Years (18%)	443	510	677	586	580	583	493	441	451	410	355	336
Dry Water Years (24%)	454	556	654	617	615	615	605	515	502	369	324	327
Critical Water Years (16%)	561	713	771	649	647	702	654	577	532	442	413	439

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-16-6c. Jones Pumping Plant South Delta Exports Salinity, Alternative 3 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-64	-38	35	-25	6	119	61	64	31	-57	-109	-141
20% Exceedance	-125	-80	9	-32	25	111	79	82	129	61	-42	-138
30% Exceedance	-130	-64	7	-61	23	59	92	84	123	64	-41	-149
40% Exceedance	-132	-58	-16	-34	7	14	33	31	113	60	-33	-147
50% Exceedance	-124	-68	-30	-5	19	-9	-8	-23	97	44	-25	-120
60% Exceedance	11	54	-64	-6	9	-13	-6	0	92	36	-13	-42
70% Exceedance	18	56	-77	11	21	-11	-11	-7	60	31	-6	-33
80% Exceedance	18	39	-47	17	-17	-25	-12	-38	13	27	-3	-33
90% Exceedance	9	4	-1	27	3	-20	-22	-13	-25	15	-9	-31
Full Simulation Period Average[a]	-58	-16	-16	-12	9	27	20	20	59	23	-36	-93
Wet Water Years (28%)	23	28	-64	14	0	-4	-11	-10	9	53	45	-1
Above Normal Years (14%)	22	70	-40	-1	-8	12	-18	-13	71	72	41	0
Below Normal Years (18%)	-128	-84	36	-19	52	45	19	28	86	59	-34	-159
Dry Water Years (24%)	-140	-67	5	-29	8	40	63	52	129	12	-95	-159
Critical Water Years (16%)	-72	-18	4	-36	-5	55	45	43	2	-96	-158	-162

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-16-7a. Jones Pumping Plant South Delta Exports Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	626	726	765	773	720	658	600	520	511	533	569	586
20% Exceedance	613	688	746	733	662	615	569	485	397	393	451	529
30% Exceedance	592	637	726	708	605	592	546	468	383	372	414	502
40% Exceedance	585	609	715	654	578	574	535	460	374	360	397	490
50% Exceedance	561	571	680	602	543	554	518	444	370	354	377	458
60% Exceedance	414	430	646	562	517	507	429	397	361	345	356	373
70% Exceedance	386	397	583	505	473	407	360	352	352	338	342	358
80% Exceedance	369	381	517	444	352	358	307	271	336	329	332	353
90% Exceedance	353	372	426	312	209	249	192	124	265	318	322	347
Full Simulation Period Average[a]	502	533	630	579	516	493	445	387	370	379	403	450
Wet Water Years (28%)	363	388	533	437	360	317	260	222	285	343	337	350
Above Normal Years (14%)	397	390	632	592	501	469	427	387	355	340	331	355
Below Normal Years (18%)	572	594	641	605	528	538	473	414	365	351	389	494
Dry Water Years (24%)	594	623	650	646	606	575	542	463	373	357	419	486
Critical Water Years (16%)	633	731	766	685	652	647	609	534	530	538	571	601

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-16-7b. Jones Pumping Plant South Delta Exports Salinity, Alternative 4, Monthly Electrical Conductivity (UMHOS/CM)

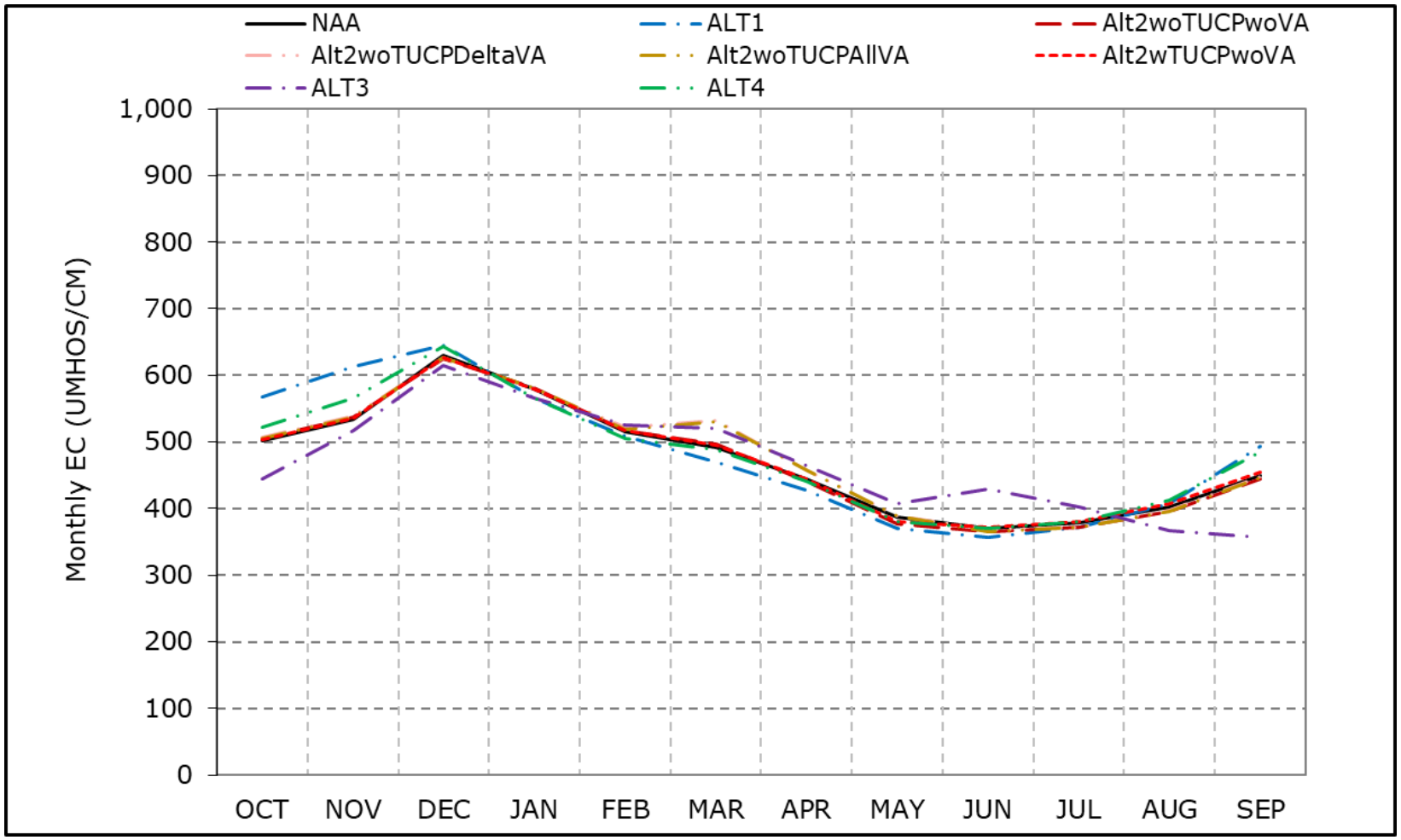
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	635	738	767	761	718	648	596	518	492	544	552	574
20% Exceedance	621	697	753	705	642	610	557	469	405	400	457	538
30% Exceedance	600	647	738	660	601	589	543	461	382	380	420	509
40% Exceedance	584	617	718	618	571	568	531	453	377	360	406	497
50% Exceedance	560	571	698	582	533	554	509	426	372	354	385	480
60% Exceedance	447	506	669	566	494	495	425	388	363	345	366	461
70% Exceedance	427	473	635	511	471	399	359	337	354	339	363	444
80% Exceedance	416	454	551	447	349	351	308	262	334	331	354	428
90% Exceedance	407	419	443	315	209	237	195	127	264	319	346	415
Full Simulation Period Average[a]	521	567	644	566	506	489	442	380	371	380	413	485
Wet Water Years (28%)	405	463	567	437	353	310	259	219	286	346	353	418
Above Normal Years (14%)	436	446	676	568	484	459	421	371	355	335	358	453
Below Normal Years (18%)	576	597	644	585	515	535	473	404	366	351	395	494
Dry Water Years (24%)	599	629	655	620	594	574	538	454	376	364	432	502
Critical Water Years (16%)	633	746	739	689	650	650	601	530	530	536	559	593

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-16-7c. Jones Pumping Plant South Delta Exports Salinity, Alternative 4 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

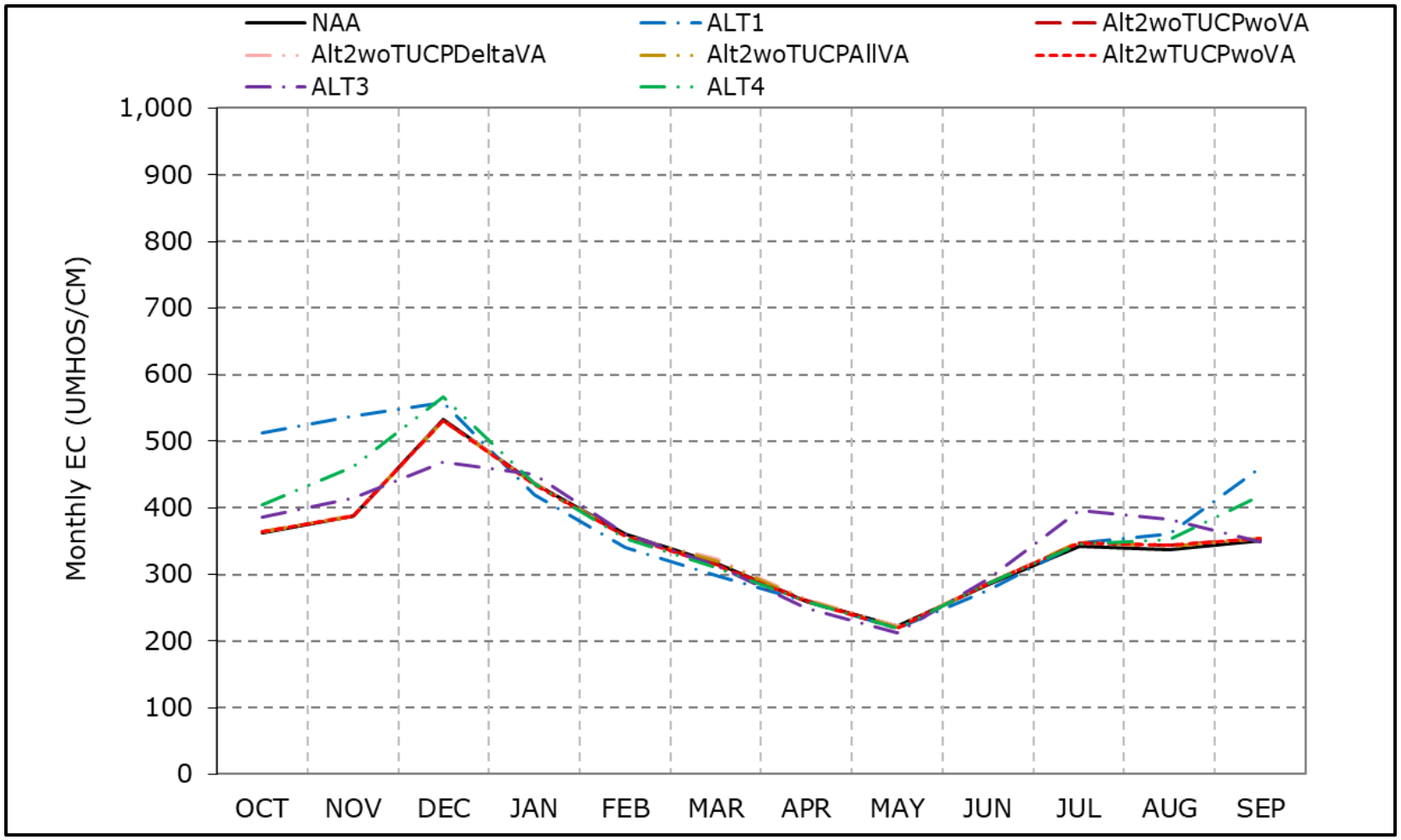
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9	12	2	-12	-2	-10	-3	-2	-19	11	-16	-11
20% Exceedance	8	9	7	-28	-19	-5	-13	-16	7	7	6	9
30% Exceedance	8	11	12	-48	-5	-2	-3	-7	-1	7	6	7
40% Exceedance	-2	8	3	-36	-7	-7	-4	-8	3	0	10	6
50% Exceedance	-1	0	17	-20	-10	-1	-9	-18	2	0	8	21
60% Exceedance	33	76	23	4	-23	-12	-4	-9	2	0	10	88
70% Exceedance	41	76	52	6	-2	-8	-1	-14	2	1	21	86
80% Exceedance	48	72	34	3	-3	-7	0	-9	-2	2	22	75
90% Exceedance	54	47	17	3	-1	-12	3	3	-1	1	23	68
Full Simulation Period Average[a]	20	34	14	-12	-10	-3	-3	-7	1	1	10	35
Wet Water Years (28%)	42	75	34	0	-7	-7	-1	-2	1	3	16	68
Above Normal Years (14%)	39	56	45	-24	-17	-10	-6	-15	0	-6	27	99
Below Normal Years (18%)	5	3	3	-20	-13	-2	0	-9	0	0	6	0
Dry Water Years (24%)	5	6	6	-26	-13	-1	-4	-9	3	7	12	16
Critical Water Years (16%)	0	15	-27	4	-2	3	-7	-4	-1	-2	-12	-8

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



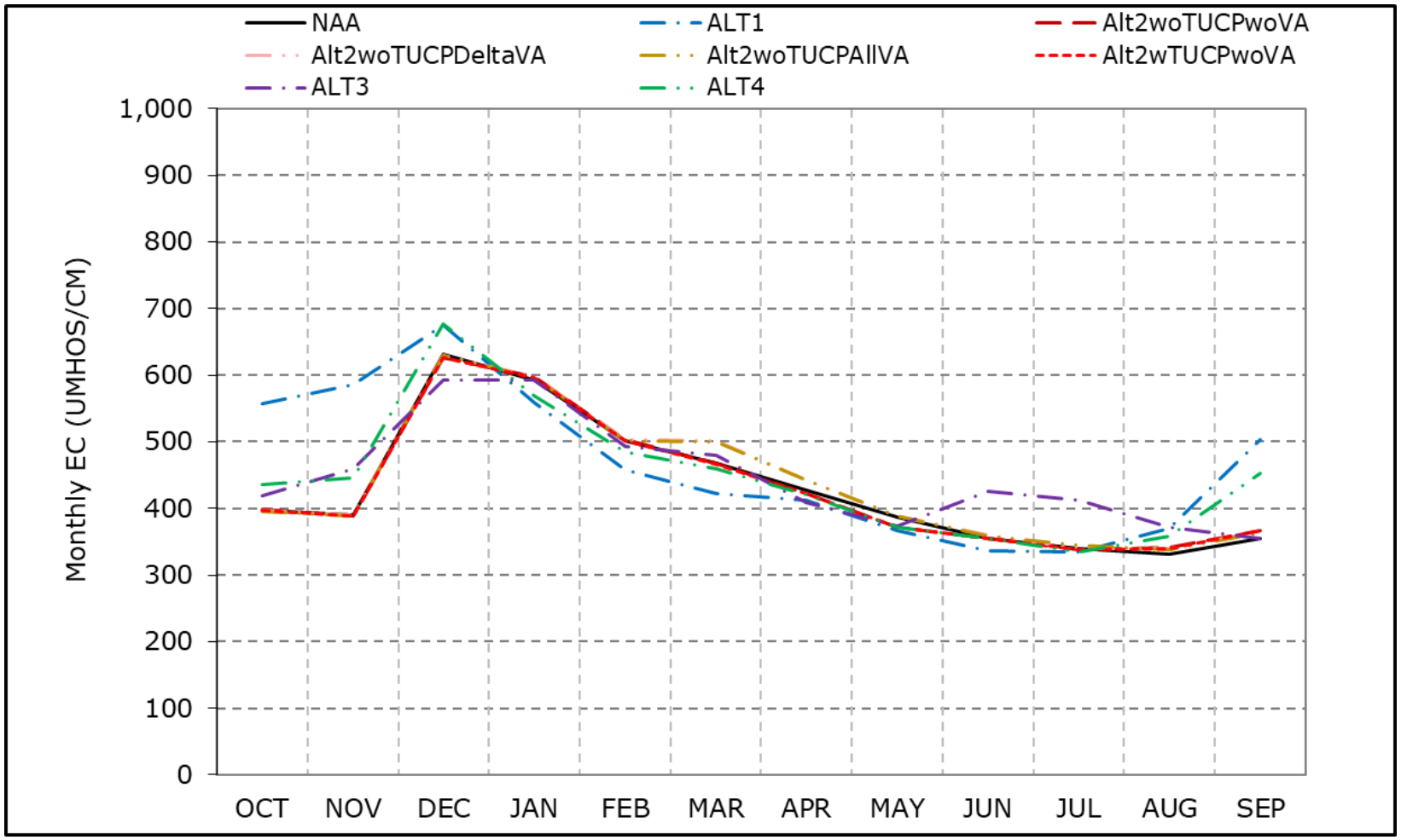
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-16-1. Jones Pumping Plant South Delta Exports Salinity, Long-Term Average Electrical Conductivity



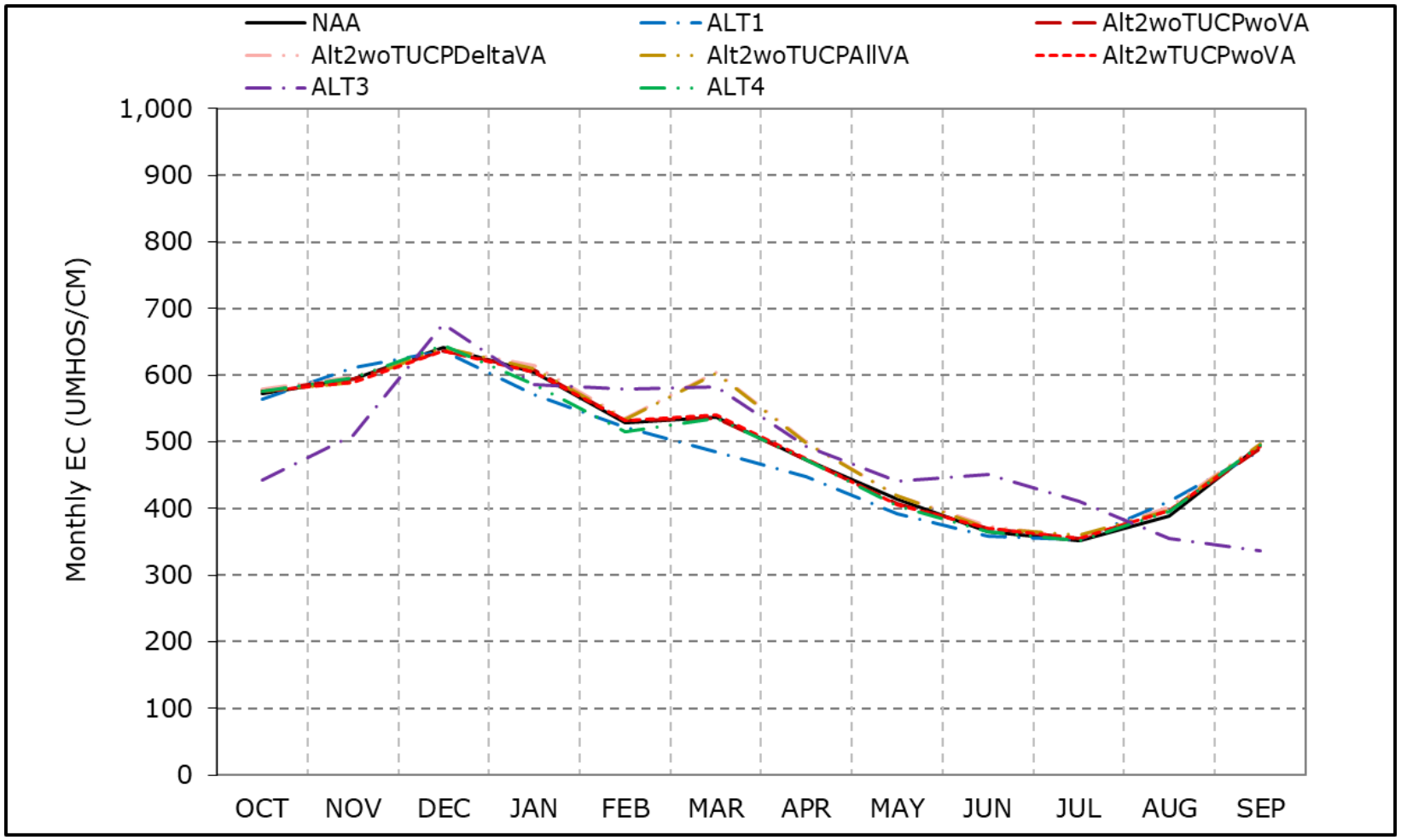
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-16-2. Jones Pumping Plant South Delta Exports Salinity, Wet Year Average Electrical Conductivity



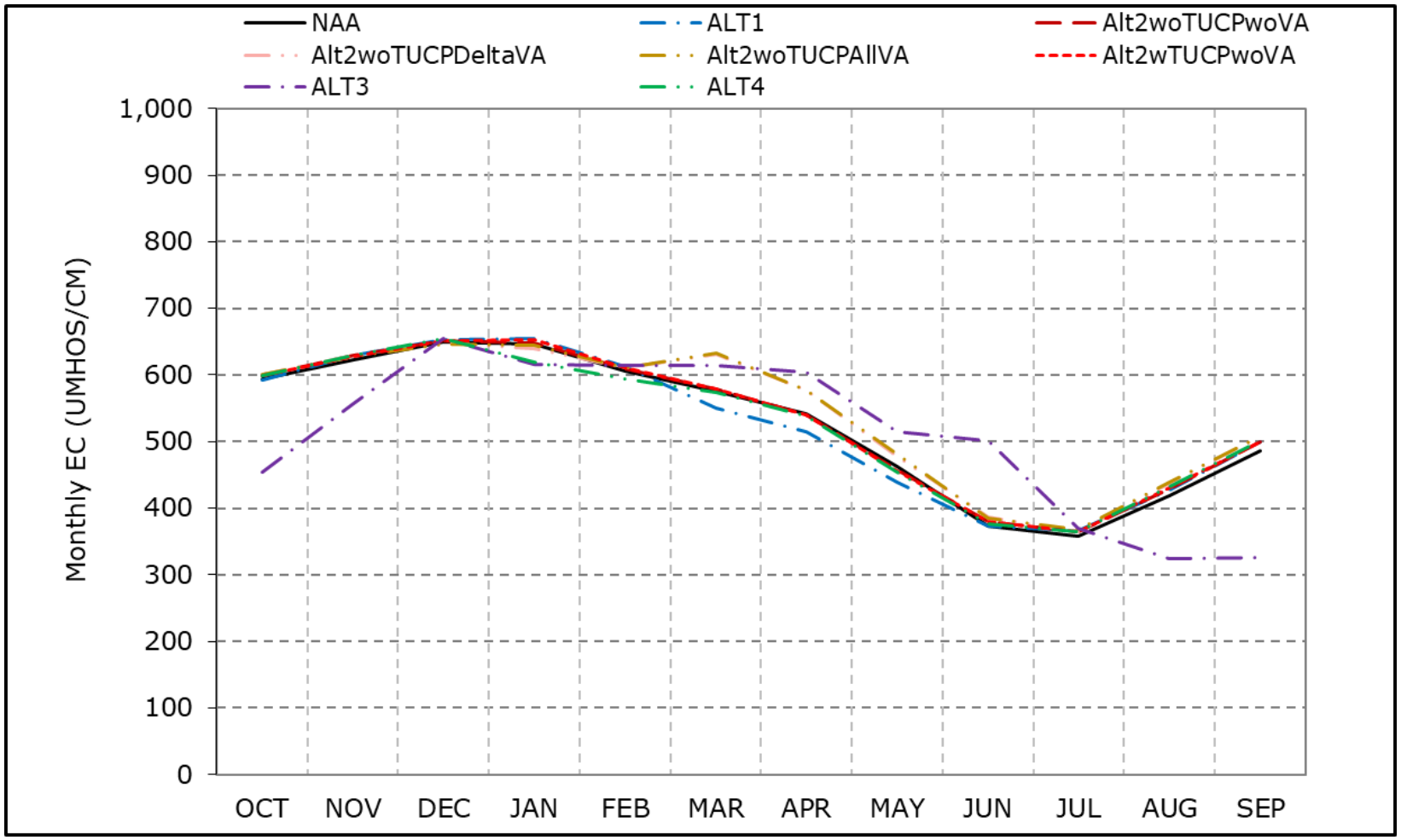
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-16-3. Jones Pumping Plant South Delta Exports Salinity, Above Normal Year Average Electrical Conductivity



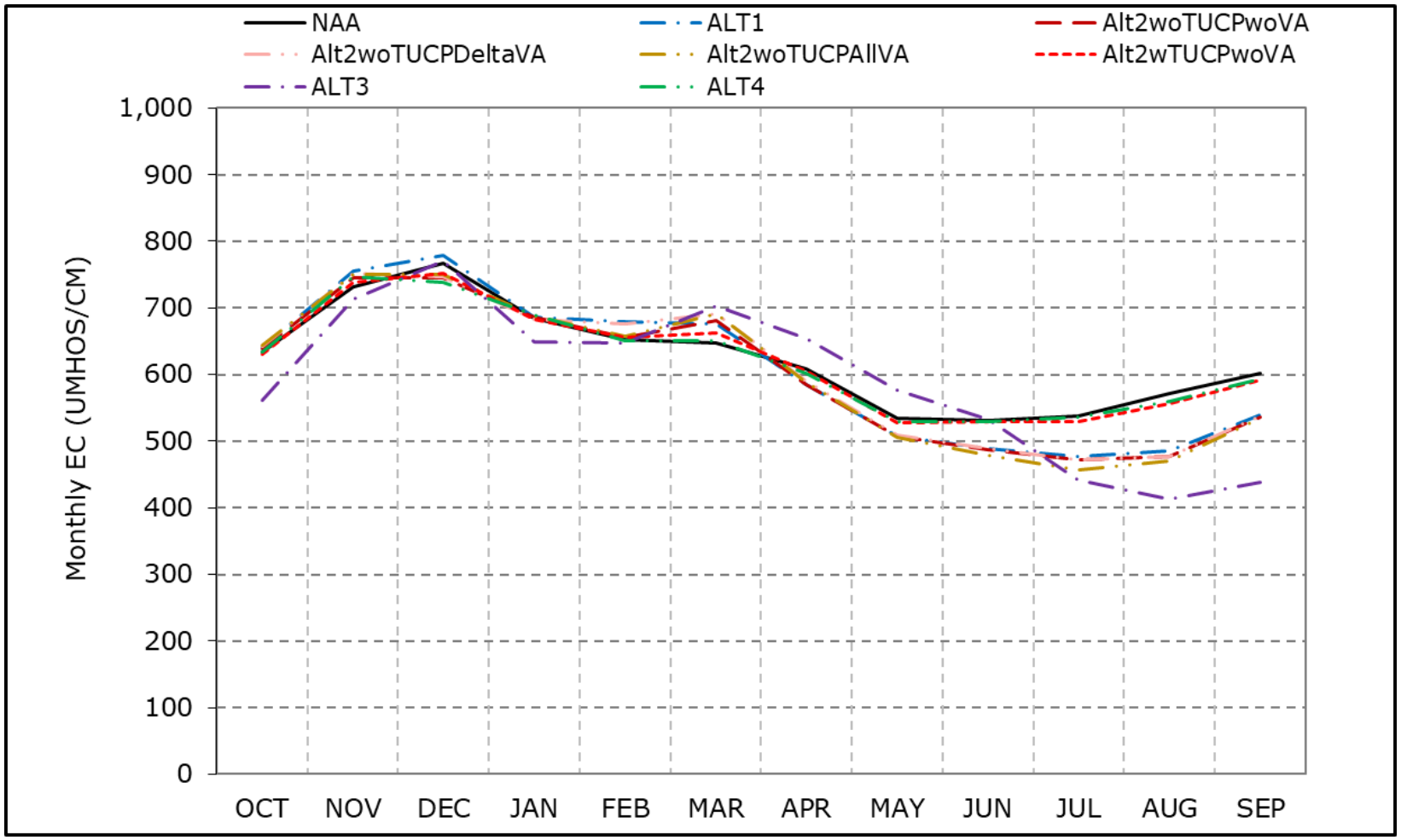
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-16-4. Jones Pumping Plant South Delta Exports Salinity, Below Normal Year Average Electrical Conductivity



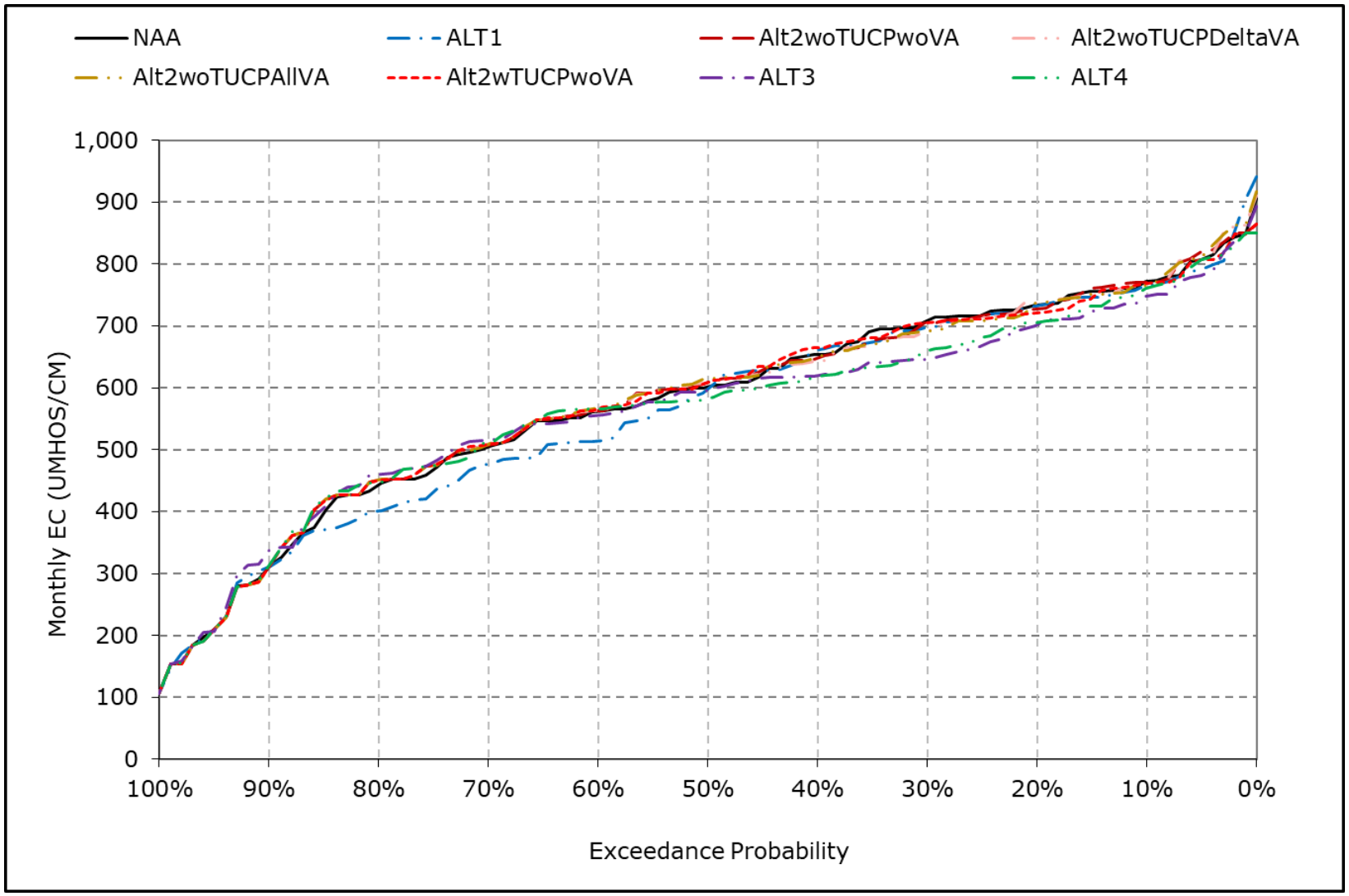
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-16-5. Jones Pumping Plant South Delta Exports Salinity, Dry Year Average Electrical Conductivity



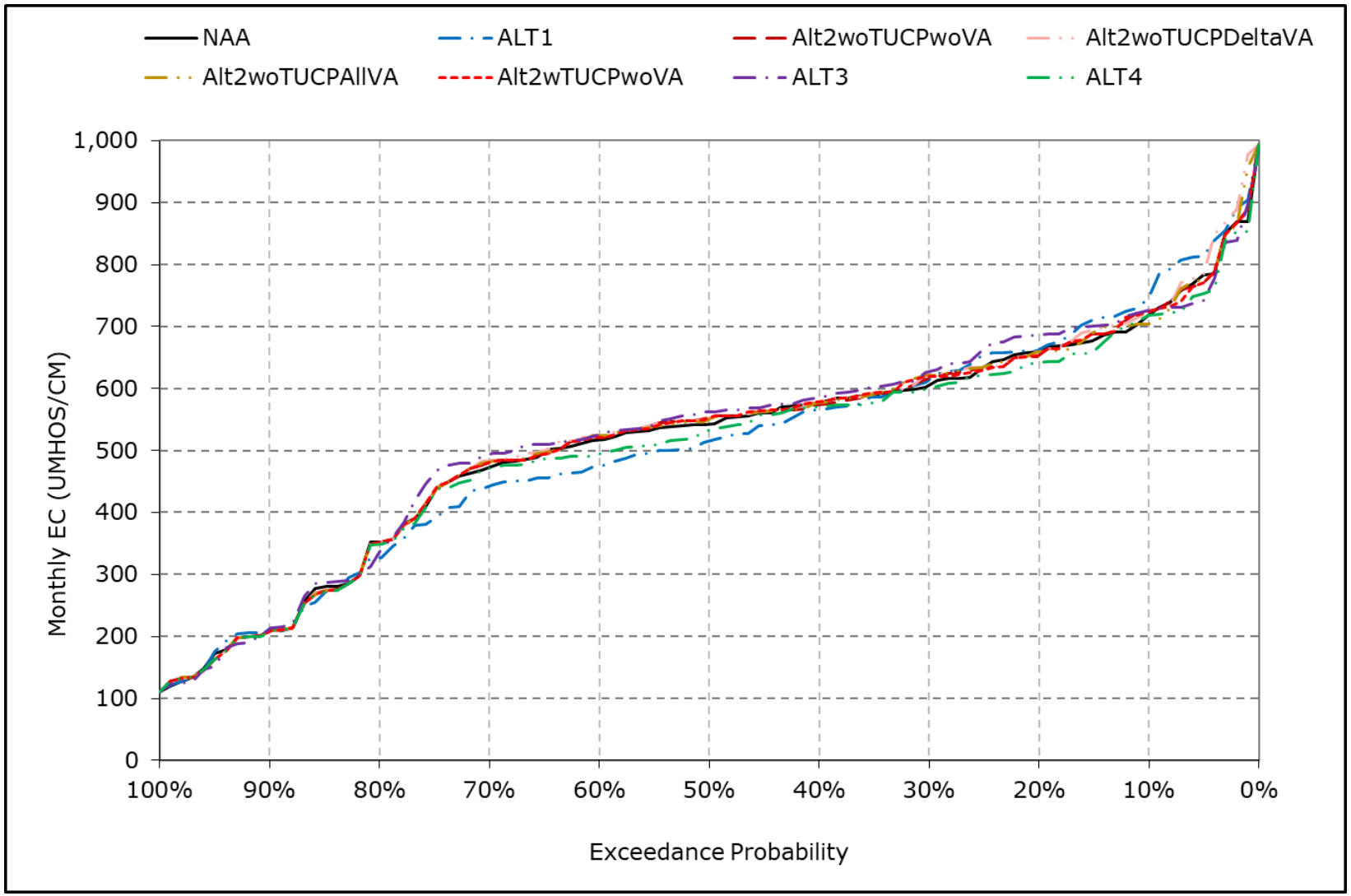
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-16-6. Jones Pumping Plant South Delta Exports Salinity, Critical Year Average Electrical Conductivity



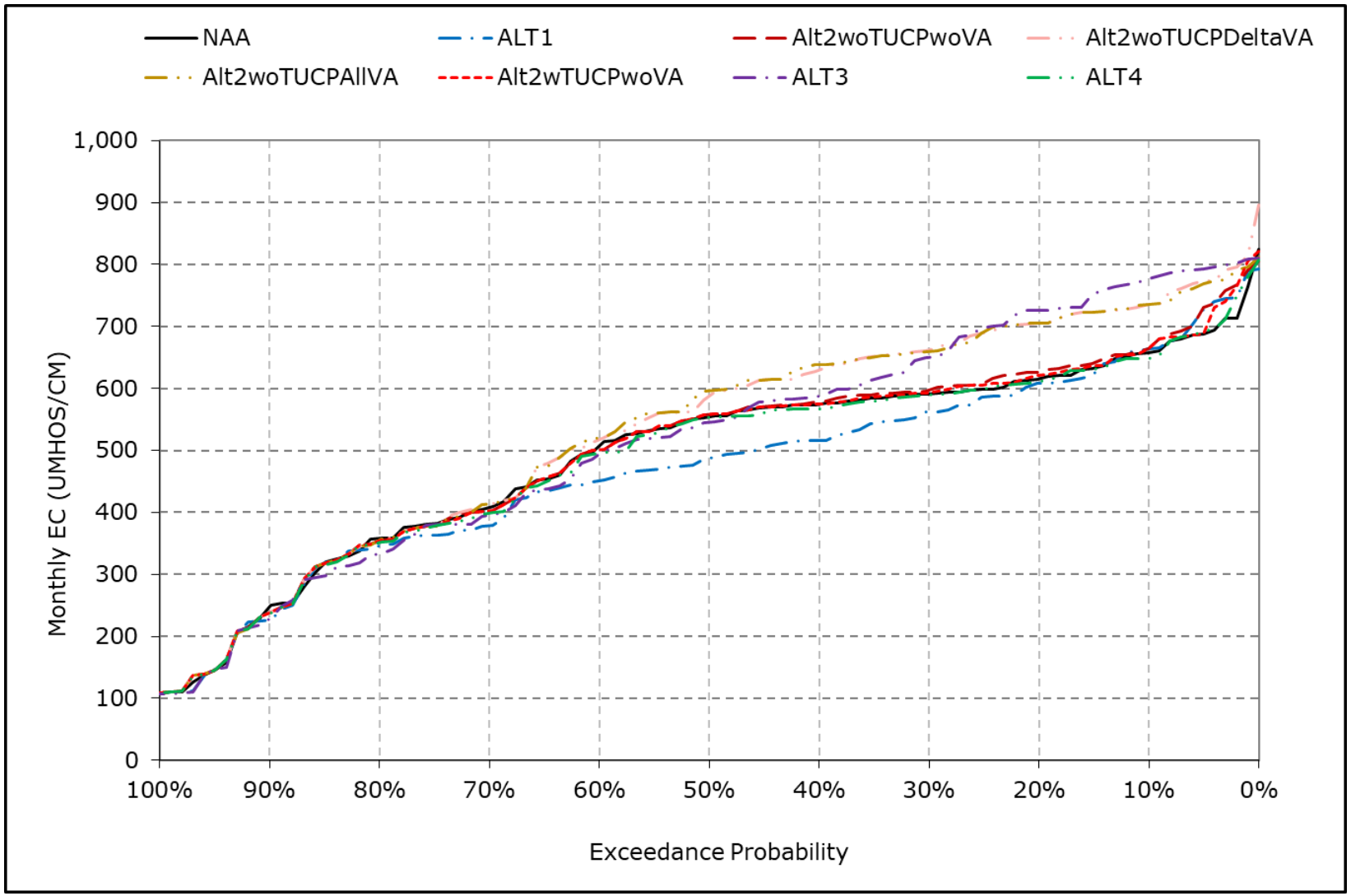
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-16-7. Jones Pumping Plant South Delta Exports Salinity, January Electrical Conductivity



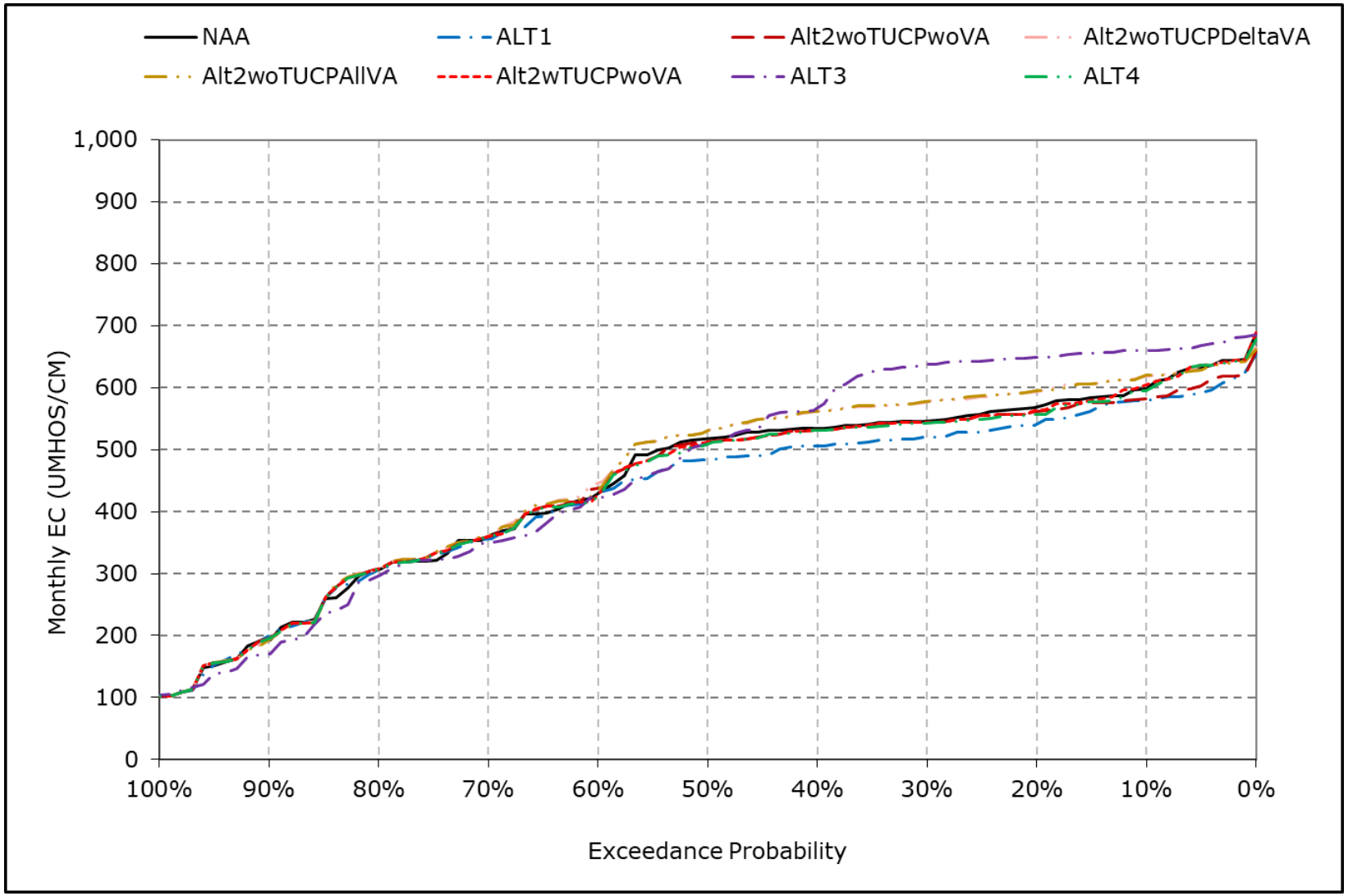
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-16-8. Jones Pumping Plant South Delta Exports Salinity, February Electrical Conductivity



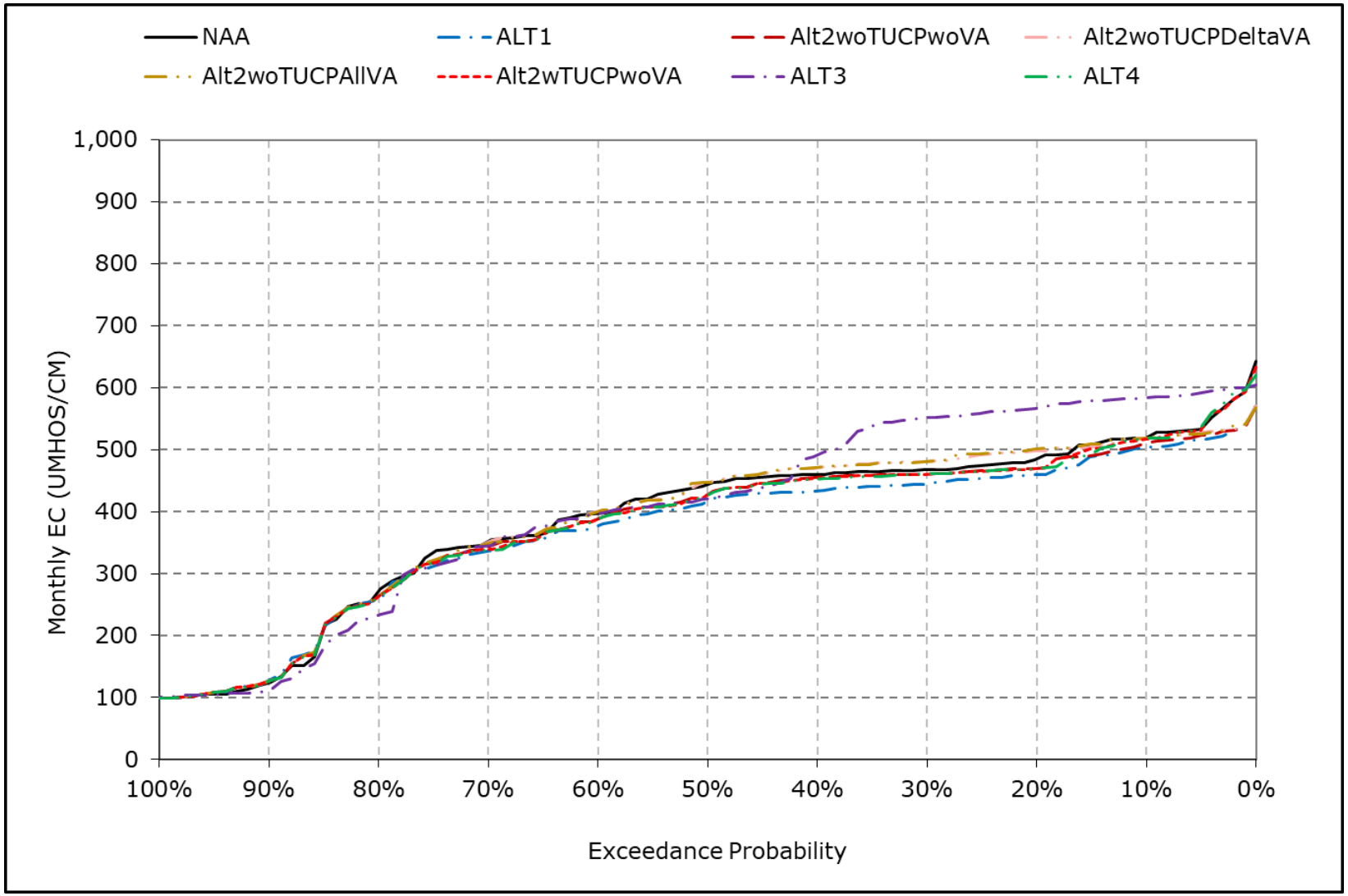
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-16-9. Jones Pumping Plant South Delta Exports Salinity, March Electrical Conductivity



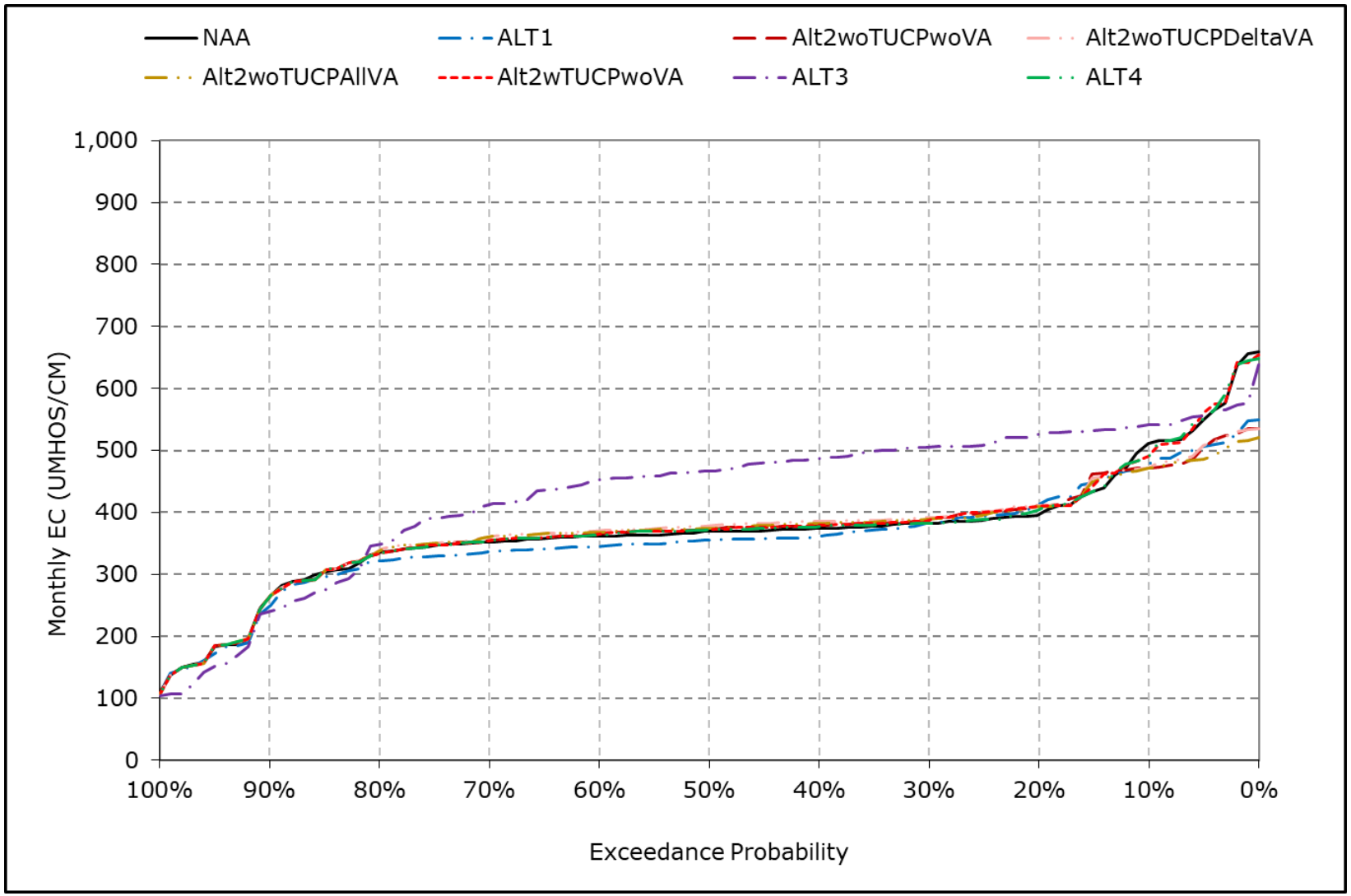
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-16-10. Jones Pumping Plant South Delta Exports Salinity, April Electrical Conductivity



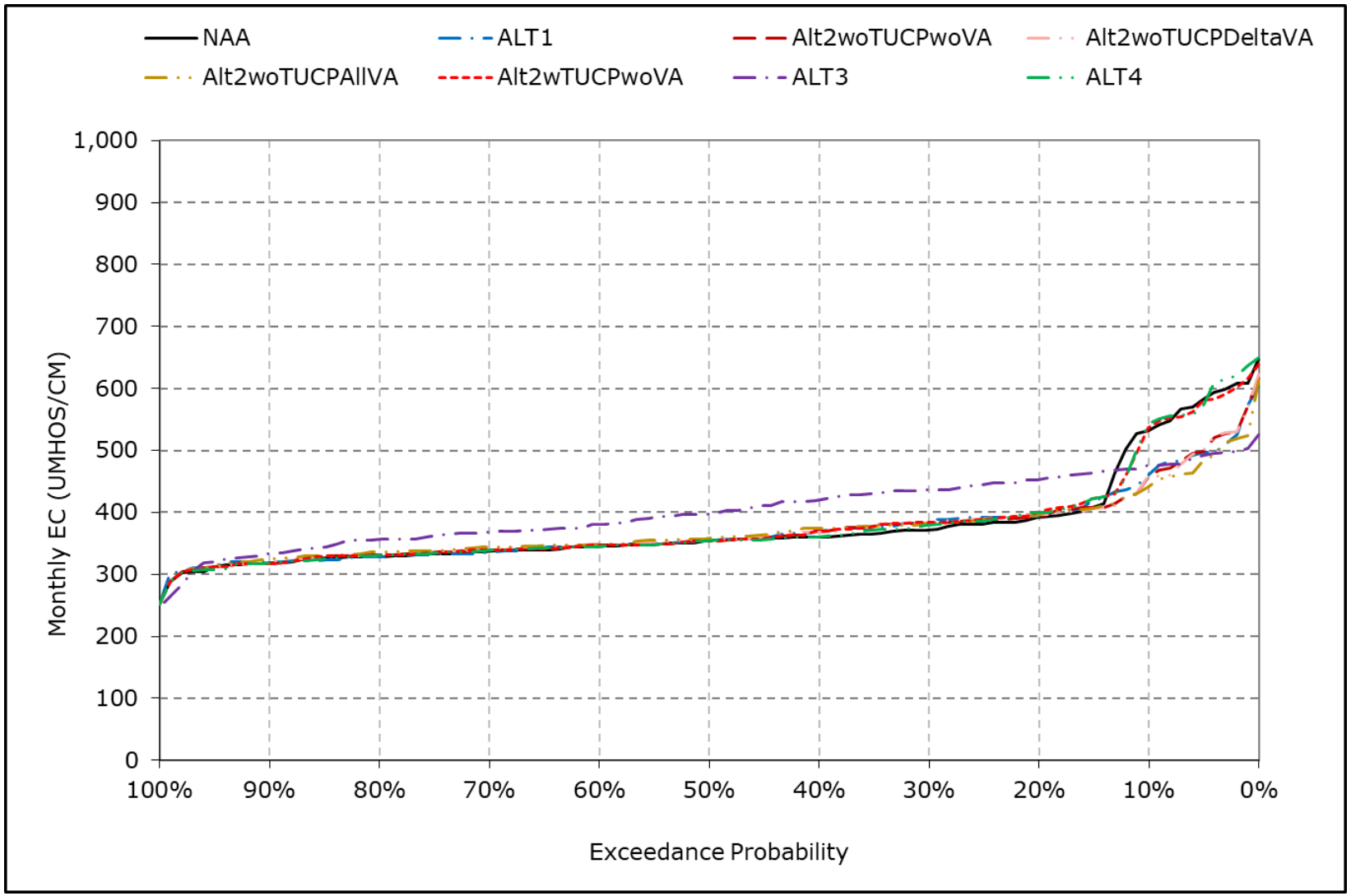
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-16-11. Jones Pumping Plant South Delta Exports Salinity, May Electrical Conductivity



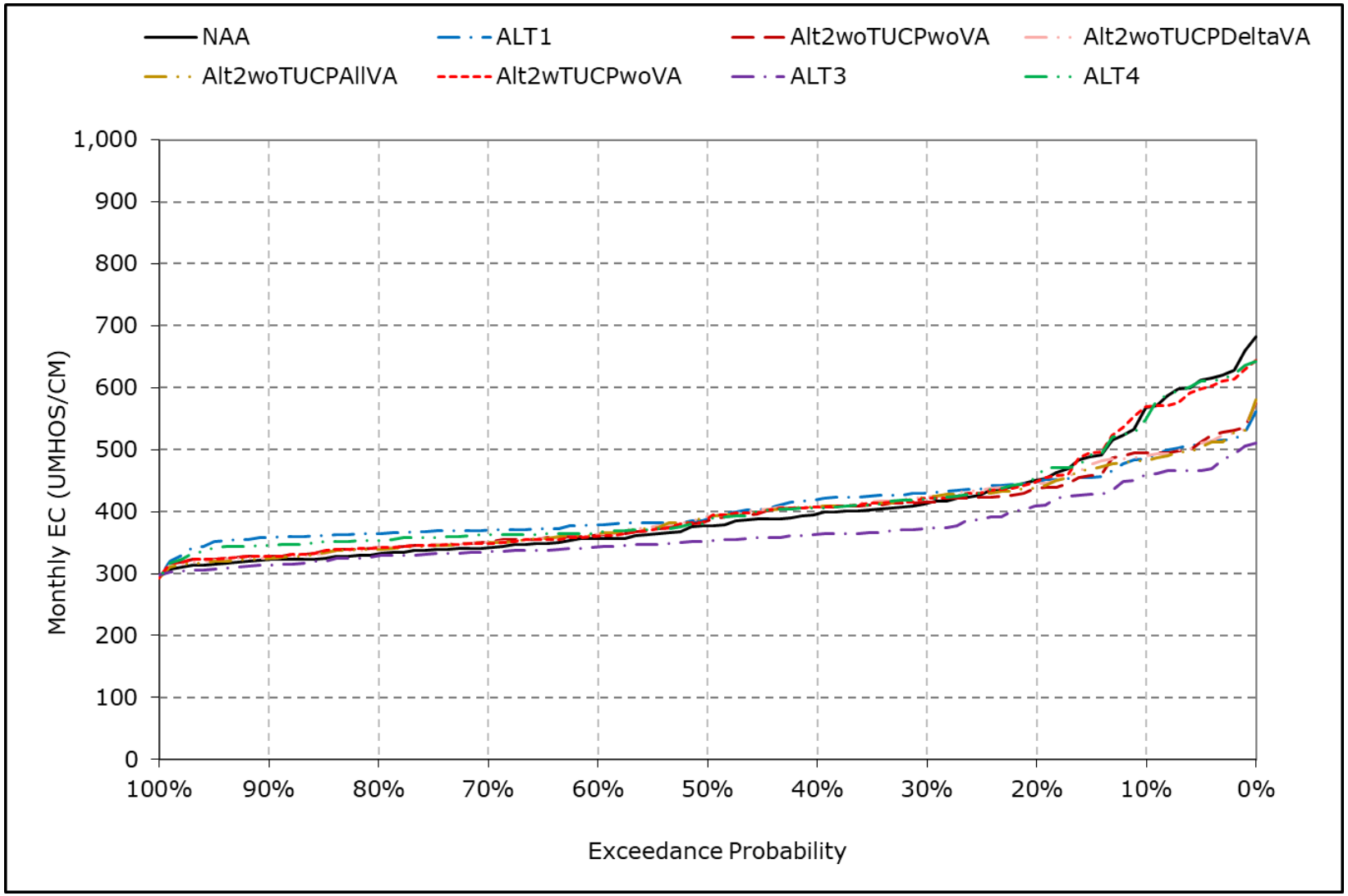
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-16-12. Jones Pumping Plant South Delta Exports Salinity, June Electrical Conductivity



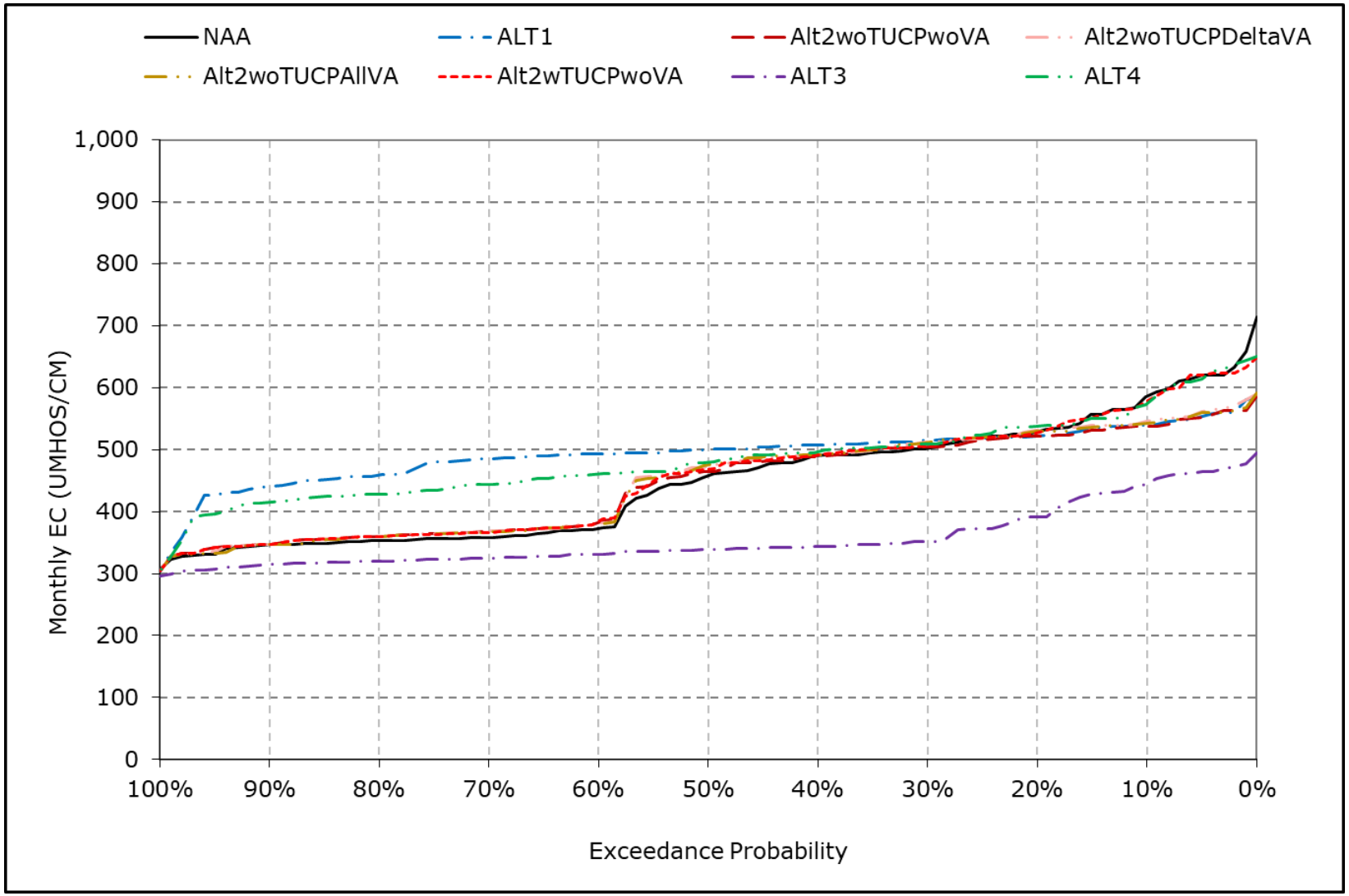
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-16-13. Jones Pumping Plant South Delta Exports Salinity, July Electrical Conductivity



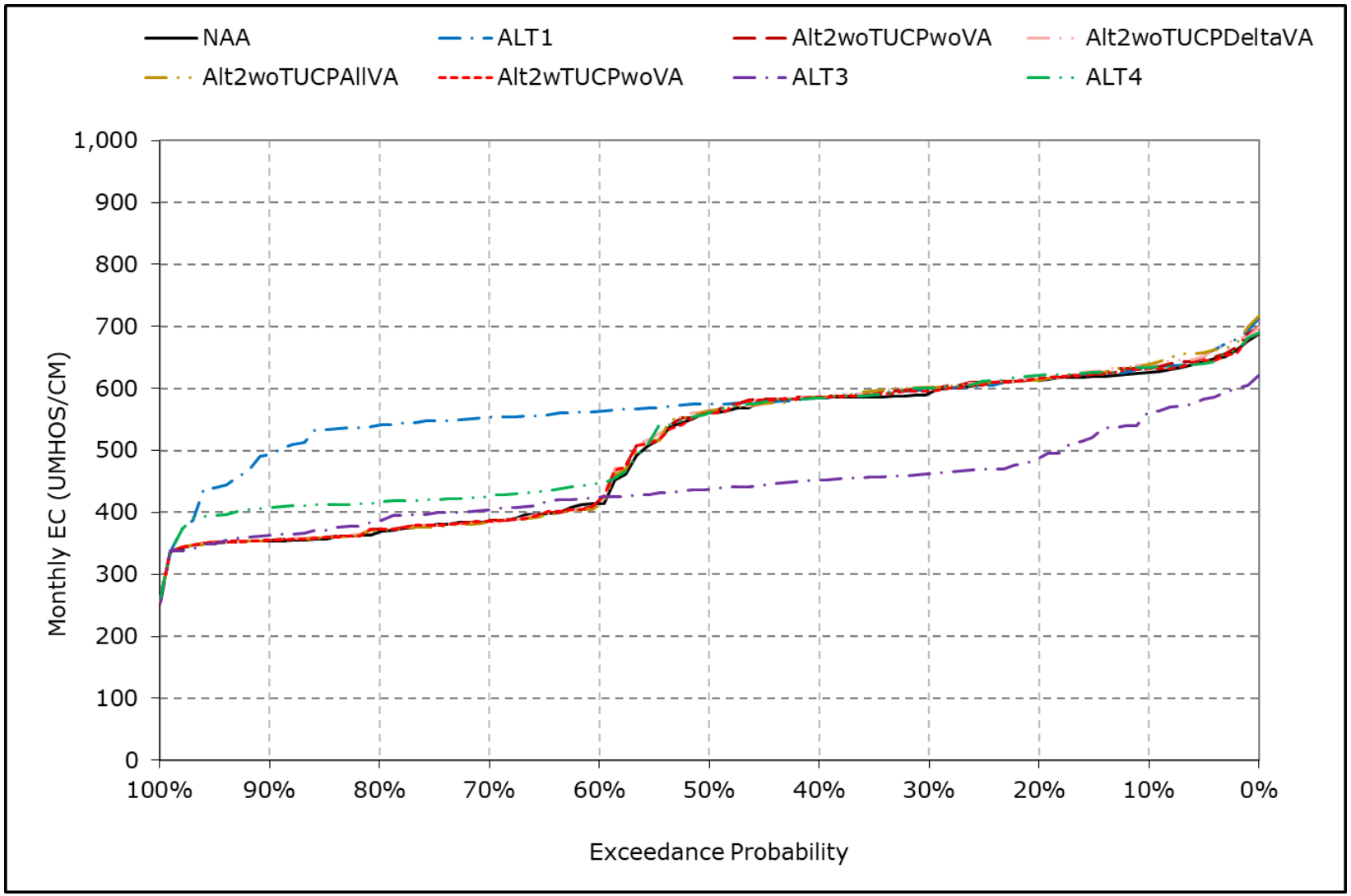
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-16-14. Jones Pumping Plant South Delta Exports Salinity, August Electrical Conductivity



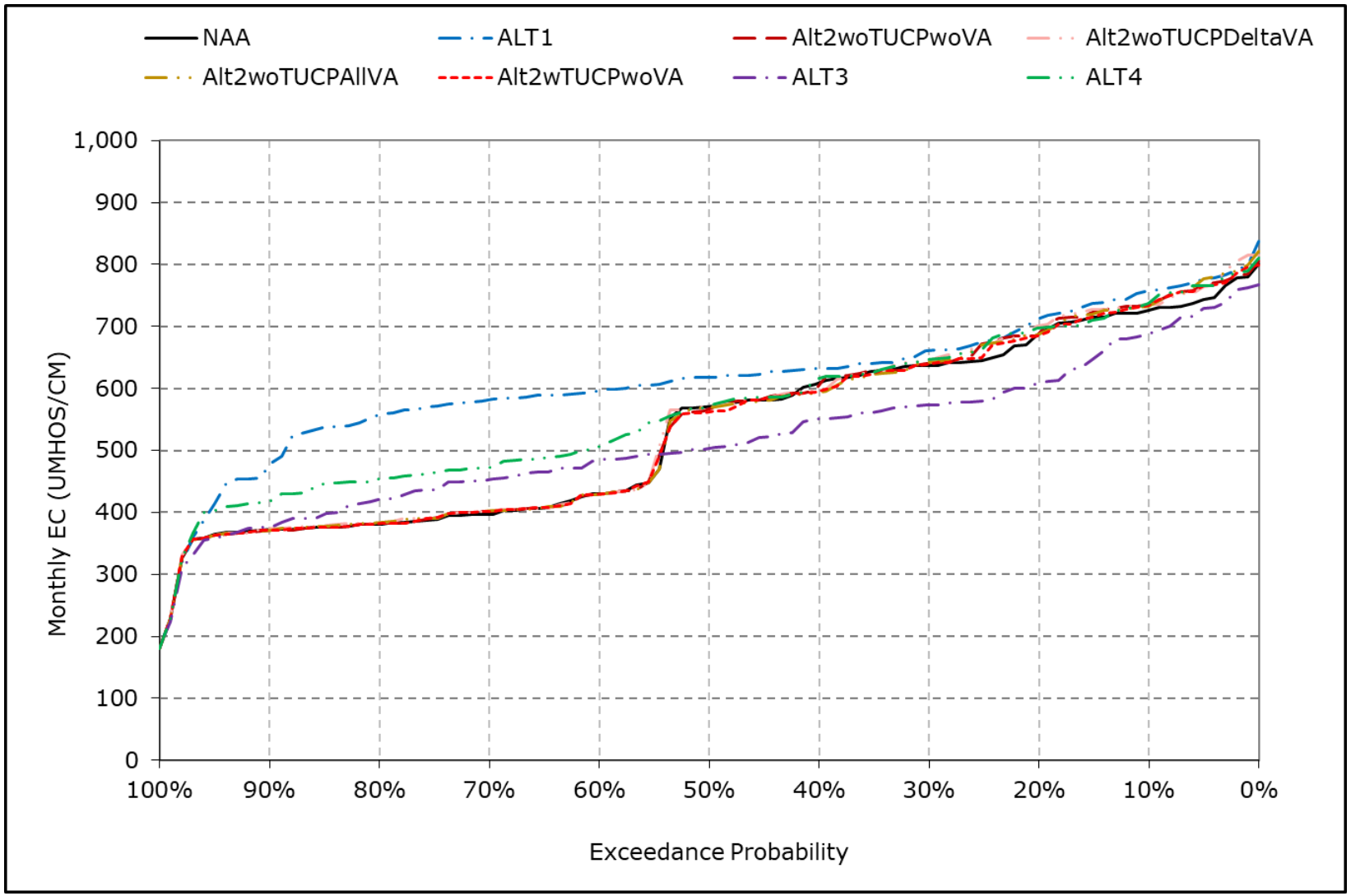
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-16-15. Jones Pumping Plant South Delta Exports Salinity, September Electrical Conductivity



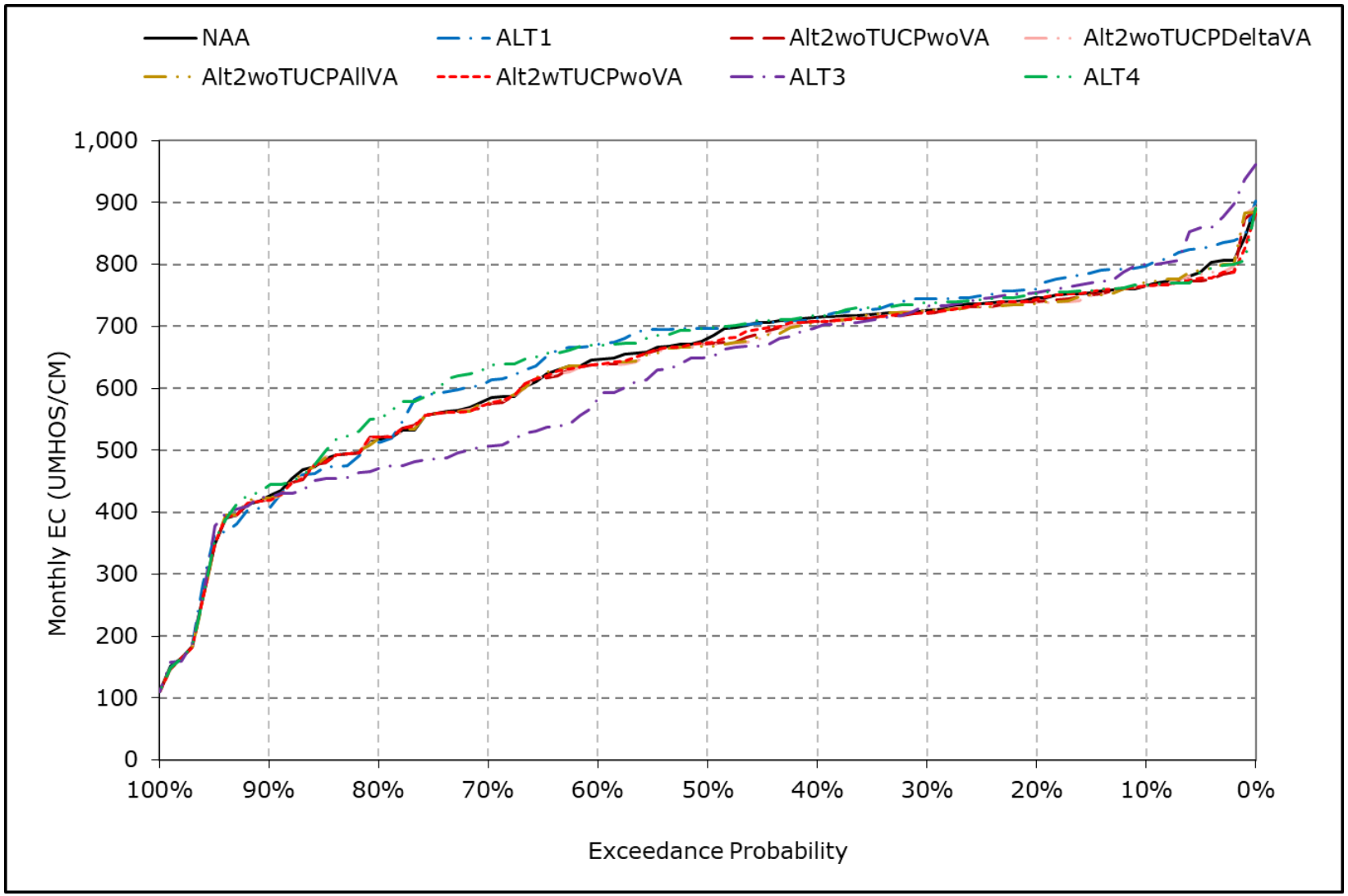
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-16-16. Jones Pumping Plant South Delta Exports Salinity, October Electrical Conductivity



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-16-17. Jones Pumping Plant South Delta Exports Salinity, November Electrical Conductivity



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-16-18. Jones Pumping Plant South Delta Exports Salinity, December Electrical Conductivity

Table F.2.5-17-1a. Banks Pumping Plant South Delta Exports Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	596	681	760	815	689	521	505	484	456	494	548	574
20% Exceedance	562	611	732	723	621	481	452	463	365	333	405	505
30% Exceedance	555	590	697	675	515	454	436	440	348	311	365	469
40% Exceedance	529	563	662	628	488	430	417	417	341	301	343	448
50% Exceedance	501	524	627	567	459	415	412	407	336	294	314	402
60% Exceedance	295	316	568	456	404	395	397	393	328	283	291	334
70% Exceedance	278	294	512	405	369	379	377	368	315	272	275	299
80% Exceedance	268	285	452	367	313	349	326	333	294	266	268	296
90% Exceedance	263	280	346	294	250	264	203	175	215	255	261	287
Full Simulation Period Average[a]	432	462	585	546	462	410	390	381	339	323	351	407
Wet Water Years (28%)	268	288	470	388	329	304	270	247	252	268	271	295
Above Normal Years (14%)	279	290	542	544	436	406	408	405	326	268	266	303
Below Normal Years (18%)	533	541	606	573	464	426	418	401	331	294	337	462
Dry Water Years (24%)	536	570	615	632	534	445	424	423	344	314	376	444
Critical Water Years (16%)	605	689	773	666	605	527	506	507	503	516	545	578

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-17-1b. Banks Pumping Plant South Delta Exports Salinity, Alternative 1, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	582	708	798	766	747	520	504	448	421	426	467	508
20% Exceedance	563	645	767	719	631	472	431	423	363	331	394	495
30% Exceedance	555	605	724	680	539	440	410	397	330	315	379	483
40% Exceedance	548	582	693	627	474	387	390	380	315	301	360	474
50% Exceedance	541	569	668	551	410	361	373	365	307	288	328	463
60% Exceedance	530	550	634	433	368	342	347	352	296	280	316	453
70% Exceedance	525	531	583	368	333	327	333	321	282	269	305	443
80% Exceedance	500	500	442	315	287	299	305	295	271	259	294	422
90% Exceedance	468	429	345	270	255	259	219	173	208	256	287	388
Full Simulation Period Average[a]	525	562	618	523	460	383	368	347	313	312	353	456
Wet Water Years (28%)	487	492	531	361	304	273	258	232	236	267	295	429
Above Normal Years (14%)	532	538	625	502	382	347	365	350	291	261	304	475
Below Normal Years (18%)	519	551	602	521	454	381	373	359	307	288	351	451
Dry Water Years (24%)	544	579	624	633	562	418	397	388	328	315	378	455
Critical Water Years (16%)	564	705	786	665	655	558	515	475	450	456	459	493

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-17-1c. Banks Pumping Plant South Delta Exports Salinity, Alternative 1 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-13	28	38	-50	58	-1	-1	-36	-35	-67	-81	-66
20% Exceedance	1	34	34	-4	10	-9	-22	-40	-1	-2	-11	-11
30% Exceedance	1	15	27	5	24	-14	-26	-43	-18	4	14	13
40% Exceedance	19	19	31	-1	-14	-43	-27	-37	-26	-1	17	25
50% Exceedance	39	45	41	-16	-49	-54	-38	-43	-29	-7	14	61
60% Exceedance	234	234	66	-23	-36	-54	-51	-41	-31	-3	25	119
70% Exceedance	247	237	71	-37	-36	-52	-44	-47	-32	-2	30	144
80% Exceedance	232	214	-10	-53	-25	-50	-20	-38	-22	-7	26	127
90% Exceedance	205	149	-1	-25	5	-5	15	-2	-6	1	26	101
Full Simulation Period Average[a]	93	101	33	-23	-1	-27	-22	-33	-26	-12	1	49
Wet Water Years (28%)	220	204	61	-27	-25	-32	-11	-16	-15	-1	24	134
Above Normal Years (14%)	253	248	83	-42	-55	-58	-43	-55	-35	-7	39	172
Below Normal Years (18%)	-13	10	-4	-53	-10	-44	-45	-43	-24	-6	14	-12
Dry Water Years (24%)	8	9	9	1	29	-28	-27	-35	-16	2	2	11
Critical Water Years (16%)	-40	16	14	-1	50	31	9	-32	-54	-61	-85	-84

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-17-2a. Banks Pumping Plant South Delta Exports Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	596	681	760	815	689	521	505	484	456	494	548	574
20% Exceedance	562	611	732	723	621	481	452	463	365	333	405	505
30% Exceedance	555	590	697	675	515	454	436	440	348	311	365	469
40% Exceedance	529	563	662	628	488	430	417	417	341	301	343	448
50% Exceedance	501	524	627	567	459	415	412	407	336	294	314	402
60% Exceedance	295	316	568	456	404	395	397	393	328	283	291	334
70% Exceedance	278	294	512	405	369	379	377	368	315	272	275	299
80% Exceedance	268	285	452	367	313	349	326	333	294	266	268	296
90% Exceedance	263	280	346	294	250	264	203	175	215	255	261	287
Full Simulation Period Average[a]	432	462	585	546	462	410	390	381	339	323	351	407
Wet Water Years (28%)	268	288	470	388	329	304	270	247	252	268	271	295
Above Normal Years (14%)	279	290	542	544	436	406	408	405	326	268	266	303
Below Normal Years (18%)	533	541	606	573	464	426	418	401	331	294	337	462
Dry Water Years (24%)	536	570	615	632	534	445	424	423	344	314	376	444
Critical Water Years (16%)	605	689	773	666	605	527	506	507	503	516	545	578

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-17-2b. Banks Pumping Plant South Delta Exports Salinity, Alt2woTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	570	671	772	805	698	533	485	453	429	421	468	513
20% Exceedance	557	619	727	734	604	487	454	425	361	332	394	490
30% Exceedance	548	593	684	667	517	454	437	409	341	319	366	469
40% Exceedance	529	553	647	625	484	431	417	396	334	306	355	448
50% Exceedance	509	508	614	571	466	417	409	383	326	296	326	411
60% Exceedance	301	317	567	459	414	399	392	368	312	286	299	349
70% Exceedance	279	294	500	409	377	381	357	331	302	272	280	316
80% Exceedance	272	286	453	370	317	349	331	301	278	266	273	307
90% Exceedance	267	277	345	294	246	269	231	174	207	257	270	294
Full Simulation Period Average[a]	429	461	578	547	463	413	390	356	323	316	344	401
Wet Water Years (28%)	270	289	468	383	327	301	271	232	243	269	275	302
Above Normal Years (14%)	284	288	533	540	438	402	394	359	310	269	278	318
Below Normal Years (18%)	536	543	600	578	470	428	414	374	322	296	345	460
Dry Water Years (24%)	544	577	619	636	533	451	425	403	337	319	384	459
Critical Water Years (16%)	558	669	737	675	610	548	514	477	453	458	461	495

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-17-2c. Banks Pumping Plant South Delta Exports Salinity, Alt2woTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-25	-10	12	-10	9	12	-19	-31	-28	-73	-81	-61
20% Exceedance	-5	8	-5	11	-17	6	1	-38	-4	-1	-11	-15
30% Exceedance	-6	3	-13	-9	2	0	1	-32	-8	8	1	0
40% Exceedance	0	-10	-15	-3	-3	1	0	-21	-7	5	12	0
50% Exceedance	8	-16	-13	4	7	2	-2	-24	-11	1	12	9
60% Exceedance	6	1	-1	2	10	4	-6	-25	-15	3	8	15
70% Exceedance	2	0	-12	3	8	2	-20	-37	-13	0	5	16
80% Exceedance	4	0	1	2	5	-1	6	-33	-16	-1	5	12
90% Exceedance	3	-3	-1	0	-4	5	28	-1	-8	2	9	7
Full Simulation Period Average[a]	-3	-1	-7	1	2	4	-1	-25	-16	-7	-7	-6
Wet Water Years (28%)	3	1	-2	-5	-1	-4	1	-15	-8	2	5	7
Above Normal Years (14%)	5	-2	-9	-4	1	-3	-14	-47	-16	1	12	15
Below Normal Years (18%)	3	1	-6	4	6	2	-4	-27	-9	2	8	-2
Dry Water Years (24%)	7	6	4	4	-1	5	1	-20	-6	5	8	14
Critical Water Years (16%)	-47	-20	-35	9	5	21	8	-29	-50	-58	-83	-82

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-17-3a. Banks Pumping Plant South Delta Exports Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	596	681	760	815	689	521	505	484	456	494	548	574
20% Exceedance	562	611	732	723	621	481	452	463	365	333	405	505
30% Exceedance	555	590	697	675	515	454	436	440	348	311	365	469
40% Exceedance	529	563	662	628	488	430	417	417	341	301	343	448
50% Exceedance	501	524	627	567	459	415	412	407	336	294	314	402
60% Exceedance	295	316	568	456	404	395	397	393	328	283	291	334
70% Exceedance	278	294	512	405	369	379	377	368	315	272	275	299
80% Exceedance	268	285	452	367	313	349	326	333	294	266	268	296
90% Exceedance	263	280	346	294	250	264	203	175	215	255	261	287
Full Simulation Period Average[a]	432	462	585	546	462	410	390	381	339	323	351	407
Wet Water Years (28%)	268	288	470	388	329	304	270	247	252	268	271	295
Above Normal Years (14%)	279	290	542	544	436	406	408	405	326	268	266	303
Below Normal Years (18%)	533	541	606	573	464	426	418	401	331	294	337	462
Dry Water Years (24%)	536	570	615	632	534	445	424	423	344	314	376	444
Critical Water Years (16%)	605	689	773	666	605	527	506	507	503	516	545	578

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-17-3b. Banks Pumping Plant South Delta Exports Salinity, Alt2woTUCPDeltaVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	576	685	749	799	699	565	567	493	434	416	467	523
20% Exceedance	561	622	726	731	608	530	524	467	383	340	404	499
30% Exceedance	550	589	690	672	522	493	498	453	355	319	378	477
40% Exceedance	539	556	643	619	488	465	475	443	348	308	355	455
50% Exceedance	504	515	606	572	461	448	452	430	341	298	333	418
60% Exceedance	299	318	568	460	410	428	425	392	326	287	301	345
70% Exceedance	275	295	503	409	377	404	393	346	307	272	279	313
80% Exceedance	272	287	453	370	314	349	337	310	278	266	272	306
90% Exceedance	267	279	345	294	246	270	210	176	207	259	267	291
Full Simulation Period Average[a]	431	463	579	547	466	441	427	383	331	317	347	405
Wet Water Years (28%)	270	290	469	390	328	308	275	237	244	270	274	301
Above Normal Years (14%)	281	289	539	541	438	435	445	402	323	270	275	312
Below Normal Years (18%)	540	546	607	592	476	481	490	414	330	297	349	469
Dry Water Years (24%)	548	577	613	622	530	482	482	451	356	321	396	472
Critical Water Years (16%)	562	676	737	663	626	569	525	484	456	456	459	499

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-17-3c. Banks Pumping Plant South Delta Exports Salinity, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-20	4	-12	-17	10	44	62	9	-22	-77	-81	-51
20% Exceedance	-1	11	-7	8	-14	49	71	4	18	7	0	-6
30% Exceedance	-5	0	-7	-3	7	39	62	12	6	8	13	8
40% Exceedance	10	-6	-18	-9	0	35	58	26	6	7	12	7
50% Exceedance	3	-9	-21	5	2	33	40	23	5	4	19	17
60% Exceedance	4	2	0	4	6	33	27	-1	-2	4	10	11
70% Exceedance	-2	1	-9	4	9	25	16	-22	-8	0	4	14
80% Exceedance	3	1	1	2	2	0	12	-23	-16	-1	4	10
90% Exceedance	4	-1	-1	0	-4	6	7	1	-8	4	7	3
Full Simulation Period Average[a]	-1	1	-6	0	5	31	37	2	-7	-6	-5	-2
Wet Water Years (28%)	2	2	-1	2	-1	4	5	-10	-8	2	4	6
Above Normal Years (14%)	3	-1	-2	-3	2	30	37	-3	-4	3	9	10
Below Normal Years (18%)	8	5	1	18	12	55	71	12	-1	3	12	6
Dry Water Years (24%)	12	6	-2	-11	-3	37	58	28	13	7	19	28
Critical Water Years (16%)	-43	-13	-35	-3	20	42	19	-22	-48	-61	-86	-78

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-17-4a. Banks Pumping Plant South Delta Exports Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	596	681	760	815	689	521	505	484	456	494	548	574
20% Exceedance	562	611	732	723	621	481	452	463	365	333	405	505
30% Exceedance	555	590	697	675	515	454	436	440	348	311	365	469
40% Exceedance	529	563	662	628	488	430	417	417	341	301	343	448
50% Exceedance	501	524	627	567	459	415	412	407	336	294	314	402
60% Exceedance	295	316	568	456	404	395	397	393	328	283	291	334
70% Exceedance	278	294	512	405	369	379	377	368	315	272	275	299
80% Exceedance	268	285	452	367	313	349	326	333	294	266	268	296
90% Exceedance	263	280	346	294	250	264	203	175	215	255	261	287
Full Simulation Period Average[a]	432	462	585	546	462	410	390	381	339	323	351	407
Wet Water Years (28%)	268	288	470	388	329	304	270	247	252	268	271	295
Above Normal Years (14%)	279	290	542	544	436	406	408	405	326	268	266	303
Below Normal Years (18%)	533	541	606	573	464	426	418	401	331	294	337	462
Dry Water Years (24%)	536	570	615	632	534	445	424	423	344	314	376	444
Critical Water Years (16%)	605	689	773	666	605	527	506	507	503	516	545	578

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-17-4b. Banks Pumping Plant South Delta Exports Salinity, Alt2woTUCPAllVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	576	680	752	793	693	566	564	494	432	406	463	519
20% Exceedance	557	628	720	730	605	526	523	471	378	333	399	497
30% Exceedance	543	577	686	672	523	500	499	453	352	319	375	476
40% Exceedance	532	548	646	622	488	466	472	444	343	307	351	458
50% Exceedance	516	507	611	567	460	447	453	430	336	299	331	420
60% Exceedance	294	317	573	460	415	429	428	390	325	288	301	339
70% Exceedance	275	294	505	410	378	406	391	345	305	276	278	313
80% Exceedance	271	286	453	370	317	349	337	310	278	267	271	306
90% Exceedance	267	279	335	295	246	269	208	176	207	257	264	290
Full Simulation Period Average[a]	430	460	580	547	465	438	426	383	329	315	344	403
Wet Water Years (28%)	269	289	469	385	328	308	274	237	243	270	274	300
Above Normal Years (14%)	280	289	540	539	437	435	444	402	321	271	273	310
Below Normal Years (18%)	534	536	608	581	473	481	488	413	326	298	344	467
Dry Water Years (24%)	549	576	614	631	535	484	482	453	356	322	397	472
Critical Water Years (16%)	562	675	739	670	613	552	523	481	448	441	446	492

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-17-4c. Banks Pumping Plant South Delta Exports Salinity, Alt2woTUCPAllVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-20	-1	-8	-22	4	45	59	10	-24	-87	-86	-55
20% Exceedance	-5	17	-12	7	-16	45	71	8	13	0	-5	-8
30% Exceedance	-11	-12	-11	-4	8	46	63	13	4	7	10	7
40% Exceedance	3	-14	-16	-6	0	36	55	27	1	6	8	9
50% Exceedance	15	-17	-16	0	1	32	41	23	0	5	17	18
60% Exceedance	-1	1	5	4	10	34	30	-3	-3	5	9	5
70% Exceedance	-3	0	-7	5	9	27	15	-22	-10	4	3	14
80% Exceedance	3	0	1	2	4	0	12	-23	-16	1	3	10
90% Exceedance	3	-1	-11	1	-4	5	5	1	-8	3	4	3
Full Simulation Period Average[a]	-2	-2	-5	0	3	28	36	2	-10	-8	-8	-4
Wet Water Years (28%)	1	1	-1	-2	-1	3	4	-11	-8	2	3	5
Above Normal Years (14%)	1	-1	-1	-5	1	29	36	-3	-5	4	7	7
Below Normal Years (18%)	1	-6	2	8	9	55	70	12	-5	4	7	4
Dry Water Years (24%)	13	6	-1	-1	1	39	59	30	12	8	21	28
Critical Water Years (16%)	-42	-14	-34	4	8	25	17	-26	-56	-76	-99	-86

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-17-5a. Banks Pumping Plant South Delta Exports Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	596	681	760	815	689	521	505	484	456	494	548	574
20% Exceedance	562	611	732	723	621	481	452	463	365	333	405	505
30% Exceedance	555	590	697	675	515	454	436	440	348	311	365	469
40% Exceedance	529	563	662	628	488	430	417	417	341	301	343	448
50% Exceedance	501	524	627	567	459	415	412	407	336	294	314	402
60% Exceedance	295	316	568	456	404	395	397	393	328	283	291	334
70% Exceedance	278	294	512	405	369	379	377	368	315	272	275	299
80% Exceedance	268	285	452	367	313	349	326	333	294	266	268	296
90% Exceedance	263	280	346	294	250	264	203	175	215	255	261	287
Full Simulation Period Average[a]	432	462	585	546	462	410	390	381	339	323	351	407
Wet Water Years (28%)	268	288	470	388	329	304	270	247	252	268	271	295
Above Normal Years (14%)	279	290	542	544	436	406	408	405	326	268	266	303
Below Normal Years (18%)	533	541	606	573	464	426	418	401	331	294	337	462
Dry Water Years (24%)	536	570	615	632	534	445	424	423	344	314	376	444
Critical Water Years (16%)	605	689	773	666	605	527	506	507	503	516	545	578

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-17-5b. Banks Pumping Plant South Delta Exports Salinity, Alt2wTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	589	686	761	801	698	525	496	466	442	473	537	576
20% Exceedance	570	620	725	730	605	484	455	425	360	332	406	504
30% Exceedance	553	585	688	681	515	457	432	408	341	319	369	473
40% Exceedance	537	551	658	641	489	431	417	396	334	304	357	455
50% Exceedance	508	514	619	570	468	417	409	384	326	295	327	419
60% Exceedance	301	315	567	460	414	400	392	368	312	286	299	349
70% Exceedance	279	294	505	408	377	381	353	327	302	272	280	317
80% Exceedance	272	286	452	370	317	349	331	300	276	266	273	307
90% Exceedance	267	277	345	294	246	269	231	174	207	257	270	294
Full Simulation Period Average[a]	435	463	581	546	463	413	390	359	329	324	356	413
Wet Water Years (28%)	270	289	468	382	327	301	270	232	243	269	275	302
Above Normal Years (14%)	283	289	534	542	438	401	393	358	310	269	278	318
Below Normal Years (18%)	536	537	600	570	468	430	417	373	321	295	346	464
Dry Water Years (24%)	544	576	621	643	536	451	425	403	338	319	385	459
Critical Water Years (16%)	599	689	748	662	605	545	516	502	495	508	531	566

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-17-5c. Banks Pumping Plant South Delta Exports Salinity, Alt2wTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-6	6	1	-15	9	4	-9	-18	-15	-20	-11	2
20% Exceedance	7	10	-7	7	-17	3	2	-38	-5	-2	2	-2
30% Exceedance	-2	-5	-9	6	0	3	-4	-32	-8	8	4	3
40% Exceedance	8	-11	-4	14	1	1	0	-21	-8	3	14	7
50% Exceedance	7	-10	-8	3	9	2	-2	-24	-11	1	13	17
60% Exceedance	6	-2	-1	4	10	5	-6	-25	-15	2	8	15
70% Exceedance	1	0	-8	3	9	2	-23	-40	-13	0	5	18
80% Exceedance	4	0	0	2	4	-1	6	-33	-18	-1	5	12
90% Exceedance	3	-3	-1	0	-5	5	28	-1	-8	2	9	7
Full Simulation Period Average[a]	3	1	-5	-1	1	4	0	-22	-9	1	4	6
Wet Water Years (28%)	2	1	-2	-5	-1	-3	1	-15	-9	2	5	7
Above Normal Years (14%)	4	-1	-8	-2	1	-5	-15	-47	-16	1	12	16
Below Normal Years (18%)	3	-4	-6	-4	4	5	-2	-28	-11	1	9	1
Dry Water Years (24%)	7	6	7	11	3	6	1	-20	-6	5	9	15
Critical Water Years (16%)	-6	0	-25	-4	0	18	11	-5	-8	-8	-14	-11

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-17-6a. Banks Pumping Plant South Delta Exports Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	596	681	760	815	689	521	505	484	456	494	548	574
20% Exceedance	562	611	732	723	621	481	452	463	365	333	405	505
30% Exceedance	555	590	697	675	515	454	436	440	348	311	365	469
40% Exceedance	529	563	662	628	488	430	417	417	341	301	343	448
50% Exceedance	501	524	627	567	459	415	412	407	336	294	314	402
60% Exceedance	295	316	568	456	404	395	397	393	328	283	291	334
70% Exceedance	278	294	512	405	369	379	377	368	315	272	275	299
80% Exceedance	268	285	452	367	313	349	326	333	294	266	268	296
90% Exceedance	263	280	346	294	250	264	203	175	215	255	261	287
Full Simulation Period Average[a]	432	462	585	546	462	410	390	381	339	323	351	407
Wet Water Years (28%)	268	288	470	388	329	304	270	247	252	268	271	295
Above Normal Years (14%)	279	290	542	544	436	406	408	405	326	268	266	303
Below Normal Years (18%)	533	541	606	573	464	426	418	401	331	294	337	462
Dry Water Years (24%)	536	570	615	632	534	445	424	423	344	314	376	444
Critical Water Years (16%)	605	689	773	666	605	527	506	507	503	516	545	578

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-17-6b. Banks Pumping Plant South Delta Exports Salinity, Alternative 3, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	452	548	701	676	634	598	639	619	569	505	458	435
20% Exceedance	386	500	637	638	545	530	576	569	546	476	416	365
30% Exceedance	356	463	601	607	500	492	542	532	517	464	401	329
40% Exceedance	337	441	555	547	463	460	487	518	495	445	392	318
50% Exceedance	322	404	491	468	438	427	439	486	457	427	380	309
60% Exceedance	305	357	380	404	416	414	417	420	419	404	367	303
70% Exceedance	292	310	348	375	379	378	353	365	375	378	355	298
80% Exceedance	273	291	325	346	344	331	295	278	274	315	337	290
90% Exceedance	262	276	299	299	247	212	230	184	185	256	304	284
Full Simulation Period Average[a]	337	405	482	484	442	428	437	436	423	405	379	331
Wet Water Years (28%)	285	293	322	396	333	300	276	251	259	302	328	305
Above Normal Years (14%)	293	315	365	456	419	410	419	409	398	389	369	312
Below Normal Years (18%)	326	417	566	473	460	469	484	477	457	421	384	307
Dry Water Years (24%)	350	465	545	525	502	479	506	534	510	450	380	313
Critical Water Years (16%)	472	593	700	610	545	542	576	591	565	515	469	446

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-17-6c. Banks Pumping Plant South Delta Exports Salinity, Alternative 3 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-144	-133	-59	-139	-55	77	134	135	113	12	-91	-139
20% Exceedance	-176	-111	-95	-85	-76	49	124	106	181	143	11	-140
30% Exceedance	-199	-126	-96	-69	-15	38	106	92	168	152	36	-140
40% Exceedance	-192	-122	-107	-81	-25	30	70	101	154	144	49	-130
50% Exceedance	-179	-120	-136	-99	-21	12	28	78	121	133	66	-92
60% Exceedance	9	41	-188	-52	12	18	19	27	91	121	76	-31
70% Exceedance	15	16	-165	-30	10	-1	-24	-2	60	107	80	-2
80% Exceedance	4	5	-127	-21	32	-19	-31	-55	-20	48	69	-5
90% Exceedance	-1	-5	-46	4	-3	-52	26	9	-30	1	43	-3
Full Simulation Period Average[a]	-95	-57	-103	-63	-19	18	46	55	85	82	28	-76
Wet Water Years (28%)	17	5	-148	9	4	-4	7	3	8	34	57	10
Above Normal Years (14%)	14	25	-177	-87	-18	4	11	4	72	122	104	10
Below Normal Years (18%)	-207	-125	-41	-101	-4	44	66	75	126	128	48	-155
Dry Water Years (24%)	-186	-105	-70	-107	-32	34	82	111	166	136	4	-131
Critical Water Years (16%)	-133	-96	-73	-56	-60	15	71	85	62	-1	-76	-132

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-17-7a. Banks Pumping Plant South Delta Exports Salinity, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	596	681	760	815	689	521	505	484	456	494	548	574
20% Exceedance	562	611	732	723	621	481	452	463	365	333	405	505
30% Exceedance	555	590	697	675	515	454	436	440	348	311	365	469
40% Exceedance	529	563	662	628	488	430	417	417	341	301	343	448
50% Exceedance	501	524	627	567	459	415	412	407	336	294	314	402
60% Exceedance	295	316	568	456	404	395	397	393	328	283	291	334
70% Exceedance	278	294	512	405	369	379	377	368	315	272	275	299
80% Exceedance	268	285	452	367	313	349	326	333	294	266	268	296
90% Exceedance	263	280	346	294	250	264	203	175	215	255	261	287
Full Simulation Period Average[a]	432	462	585	546	462	410	390	381	339	323	351	407
Wet Water Years (28%)	268	288	470	388	329	304	270	247	252	268	271	295
Above Normal Years (14%)	279	290	542	544	436	406	408	405	326	268	266	303
Below Normal Years (18%)	533	541	606	573	464	426	418	401	331	294	337	462
Dry Water Years (24%)	536	570	615	632	534	445	424	423	344	314	376	444
Critical Water Years (16%)	605	689	773	666	605	527	506	507	503	516	545	578

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-17-7b. Banks Pumping Plant South Delta Exports Salinity, Alternative 4, Monthly Electrical Conductivity (UMHOS/CM)

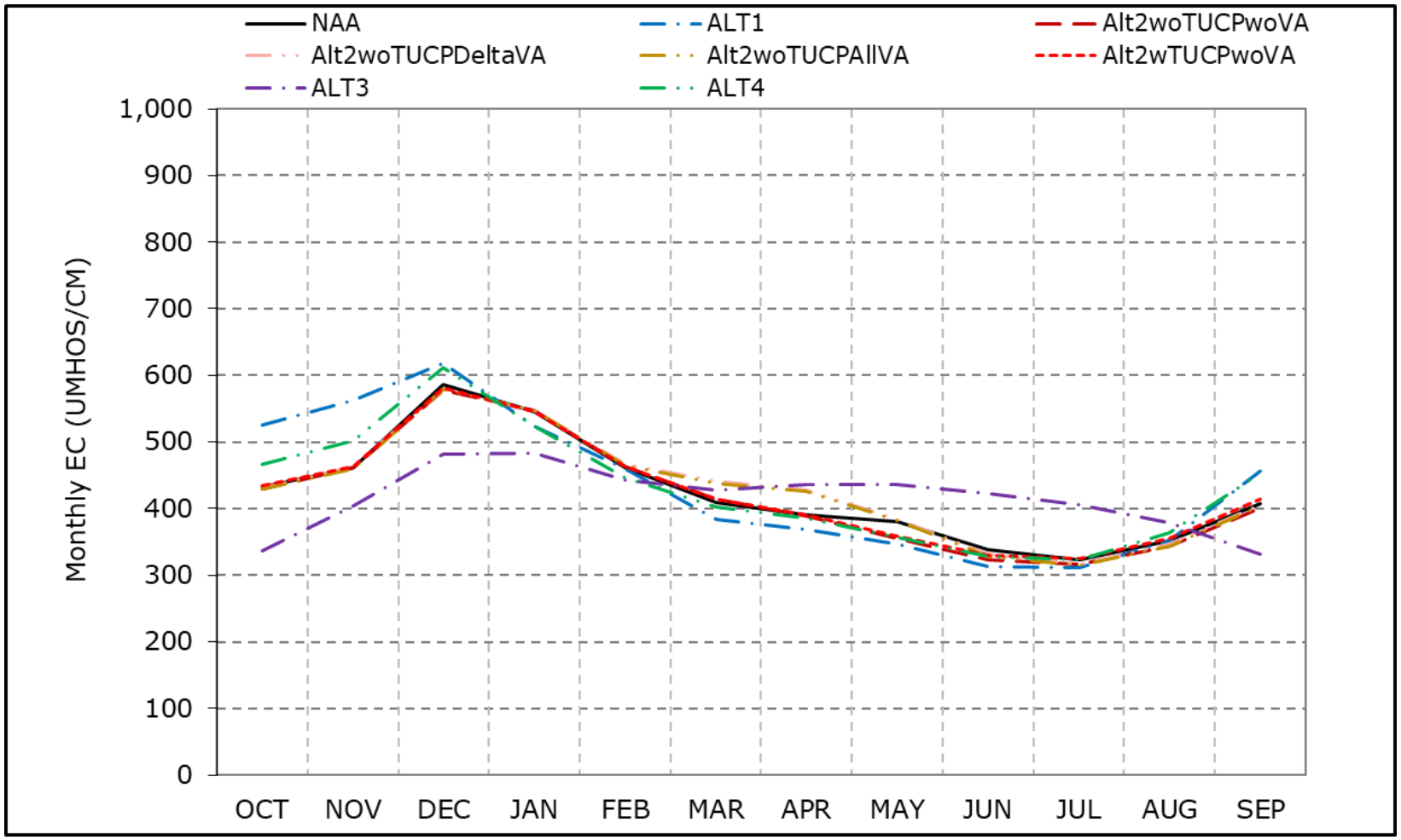
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	592	689	772	719	682	530	502	455	450	473	530	579
20% Exceedance	571	635	739	684	567	465	443	424	359	333	420	510
30% Exceedance	553	596	717	641	497	445	429	407	340	319	375	480
40% Exceedance	541	554	678	580	470	421	420	395	334	303	357	467
50% Exceedance	511	523	653	538	431	407	405	379	325	295	329	440
60% Exceedance	389	426	624	476	401	392	386	367	312	286	314	421
70% Exceedance	366	393	579	411	369	373	351	326	298	272	298	409
80% Exceedance	341	372	504	371	316	333	330	300	274	265	291	397
90% Exceedance	326	341	347	307	248	271	231	175	207	256	283	375
Full Simulation Period Average[a]	467	502	611	523	447	403	386	357	328	324	364	453
Wet Water Years (28%)	340	386	531	385	325	297	269	232	242	268	290	386
Above Normal Years (14%)	353	358	611	496	410	392	389	357	310	268	299	427
Below Normal Years (18%)	538	541	610	541	443	420	414	372	320	293	344	465
Dry Water Years (24%)	547	578	623	590	514	442	422	399	336	318	388	462
Critical Water Years (16%)	601	696	739	667	598	520	503	496	493	511	535	569

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-17-7c. Banks Pumping Plant South Delta Exports Salinity, Alternative 4 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

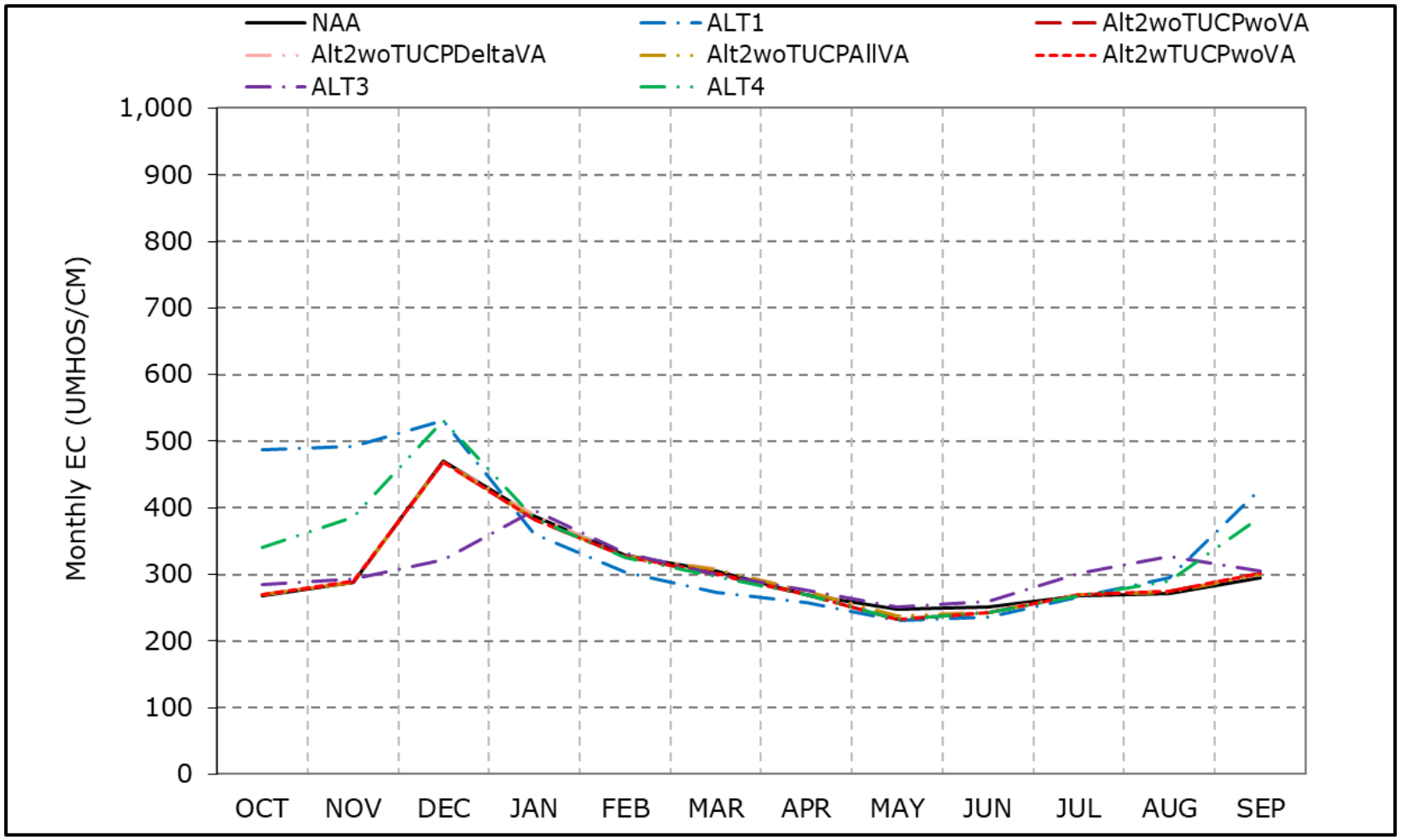
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-4	8	11	-96	-6	9	-3	-29	-7	-20	-19	5
20% Exceedance	8	24	7	-39	-54	-16	-9	-39	-6	0	16	5
30% Exceedance	-1	6	20	-35	-18	-9	-7	-33	-9	8	10	11
40% Exceedance	12	-9	16	-48	-18	-9	3	-21	-8	1	14	19
50% Exceedance	10	-1	26	-29	-28	-8	-7	-28	-11	1	15	39
60% Exceedance	94	110	56	19	-3	-3	-11	-26	-16	2	23	87
70% Exceedance	88	99	66	6	0	-6	-25	-41	-17	0	23	109
80% Exceedance	72	87	53	3	3	-16	4	-34	-20	-1	23	101
90% Exceedance	63	60	1	13	-2	6	28	0	-8	1	23	88
Full Simulation Period Average[a]	34	40	25	-23	-14	-7	-4	-24	-10	1	13	46
Wet Water Years (28%)	72	98	61	-3	-4	-7	-1	-15	-9	1	19	91
Above Normal Years (14%)	74	69	70	-48	-26	-14	-19	-48	-16	1	34	124
Below Normal Years (18%)	5	0	4	-33	-21	-6	-4	-29	-12	0	7	2
Dry Water Years (24%)	11	7	8	-42	-20	-3	-2	-24	-8	5	12	18
Critical Water Years (16%)	-4	7	-33	1	-8	-7	-3	-11	-10	-5	-10	-8

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



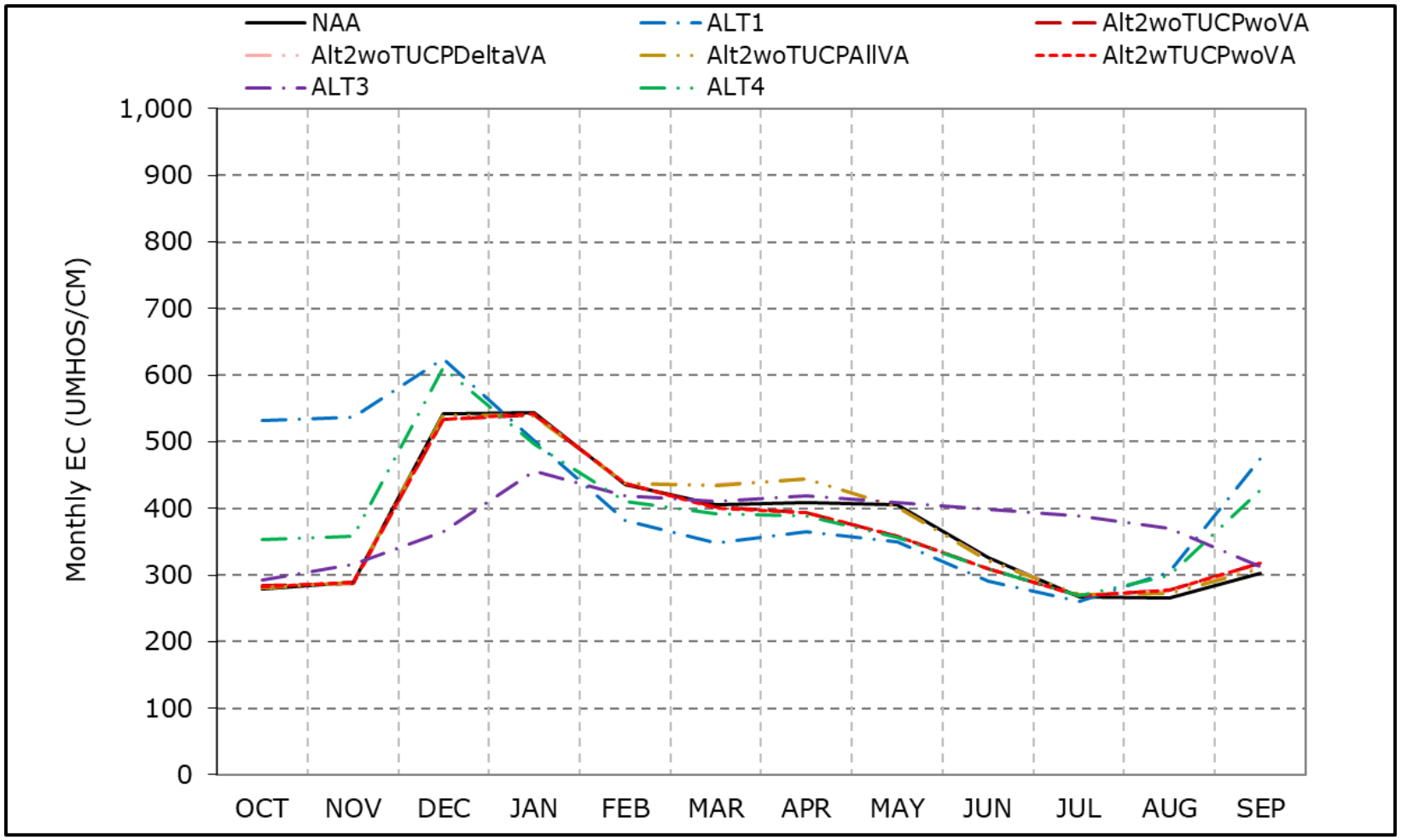
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-17-1. Banks Pumping Plant South Delta Exports Salinity, Long-Term Average Electrical Conductivity



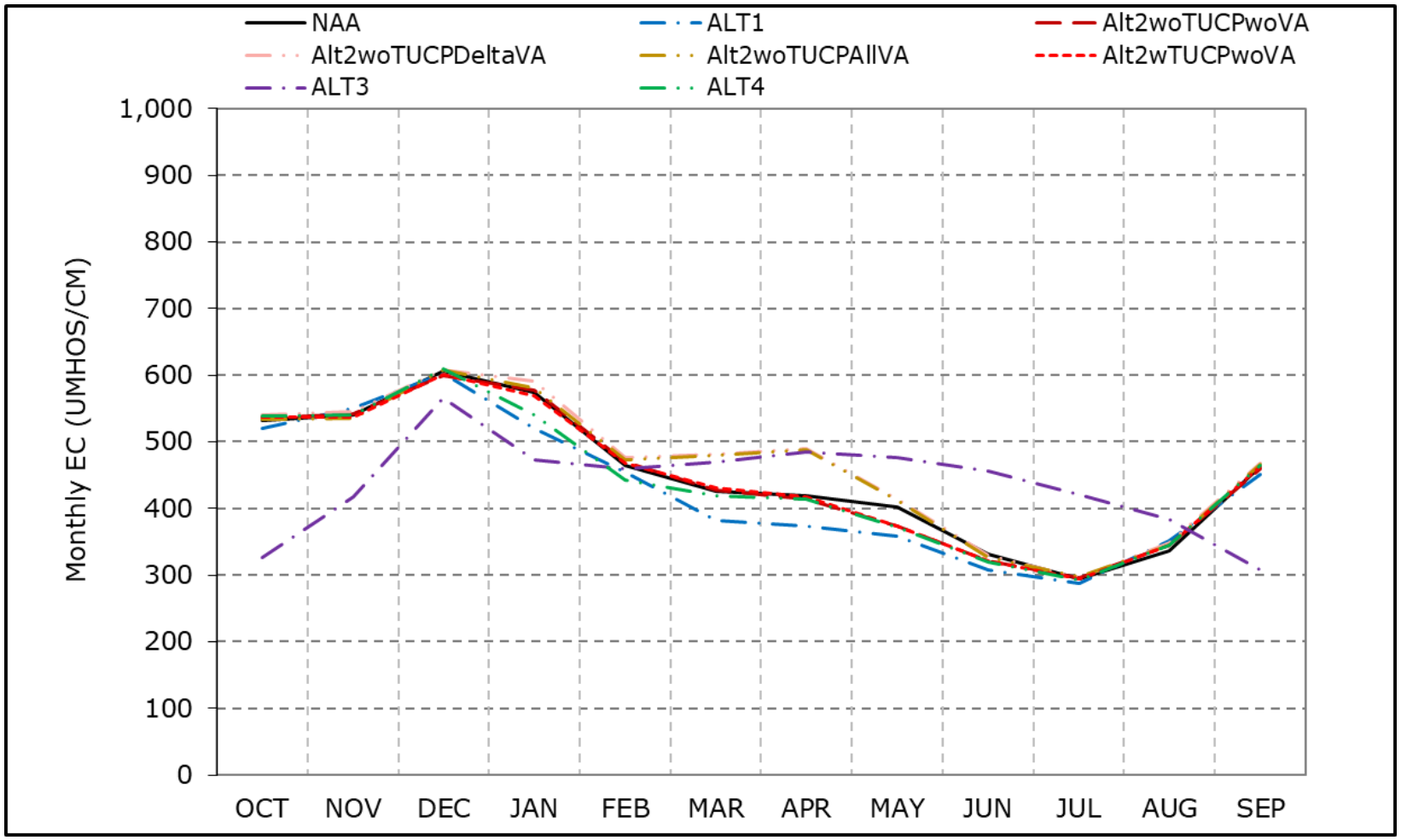
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-17-2. Banks Pumping Plant South Delta Exports Salinity, Wet Year Average Electrical Conductivity



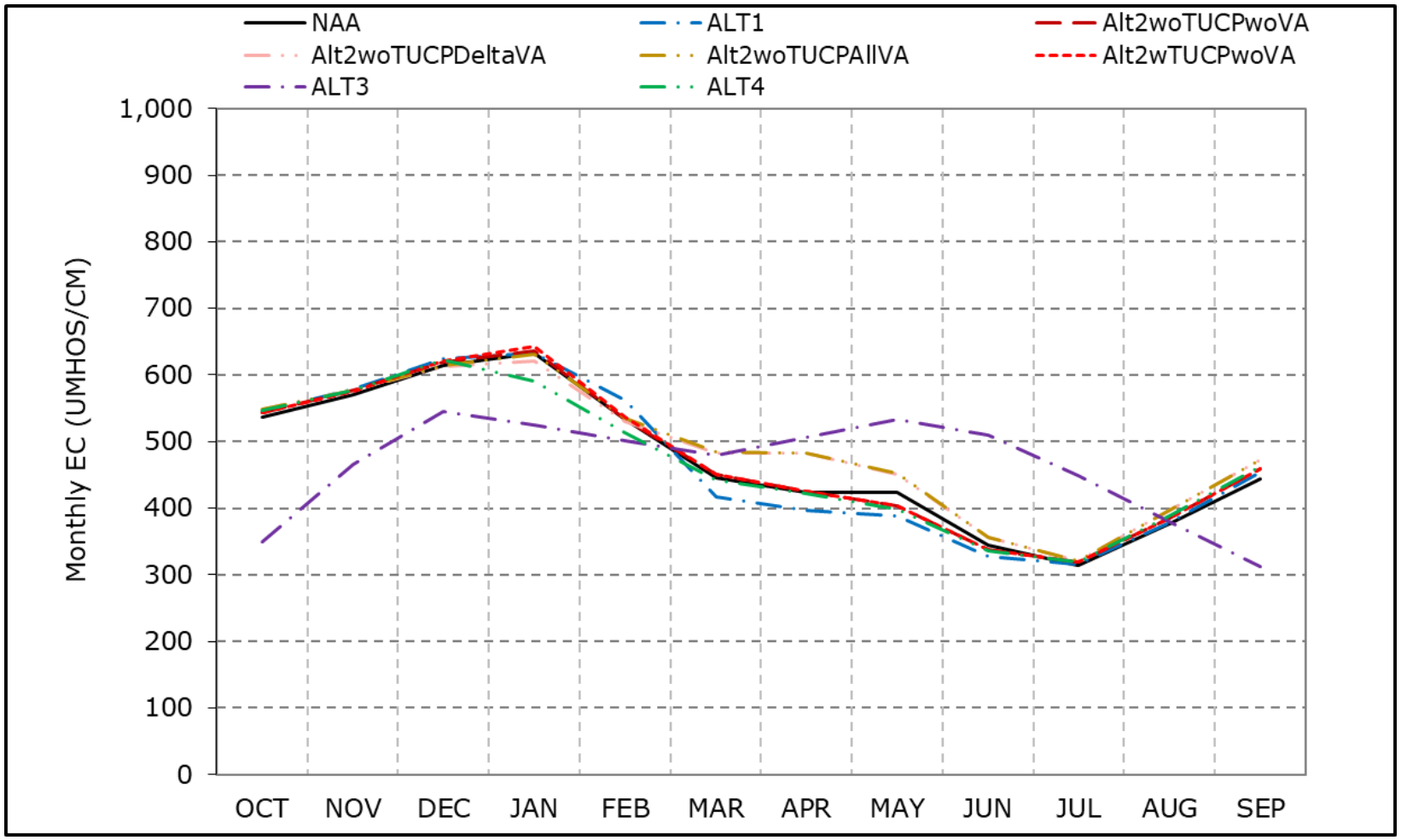
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-17-3. Banks Pumping Plant South Delta Exports Salinity, Above Normal Year Average Electrical Conductivity



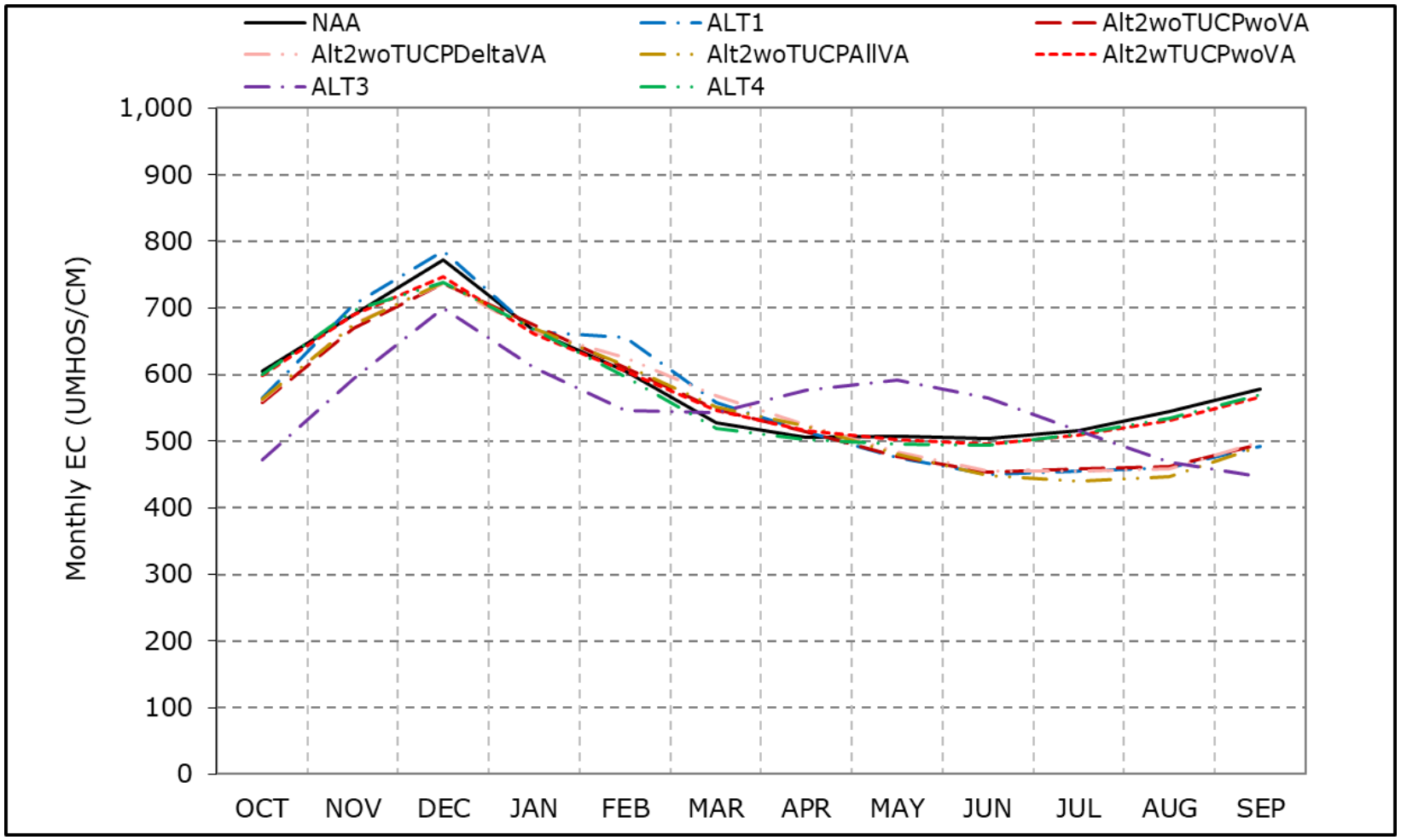
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-17-4. Banks Pumping Plant South Delta Exports Salinity, Below Normal Year Average Electrical Conductivity



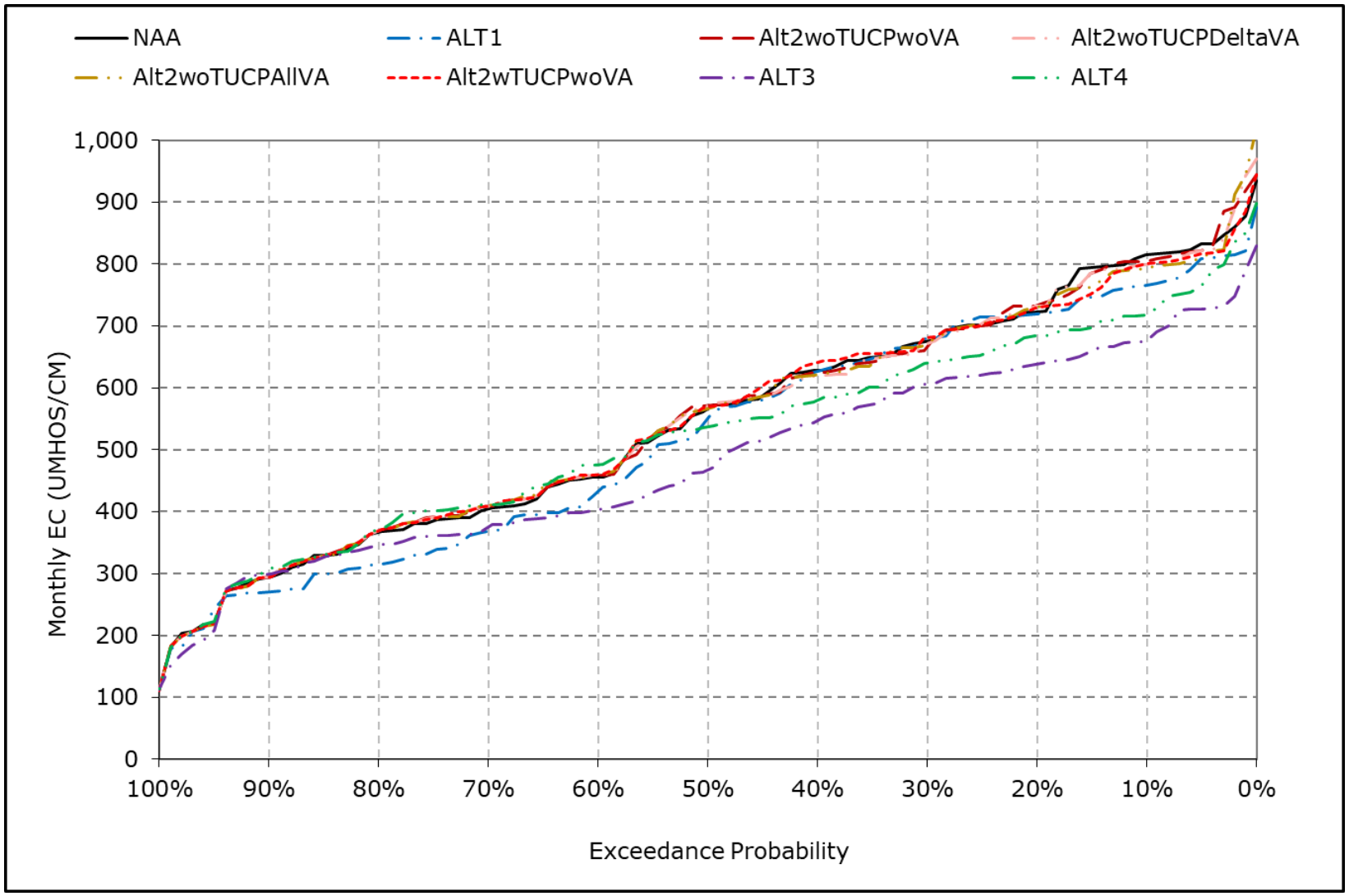
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-17-5. Banks Pumping Plant South Delta Exports Salinity, Dry Year Average Electrical Conductivity



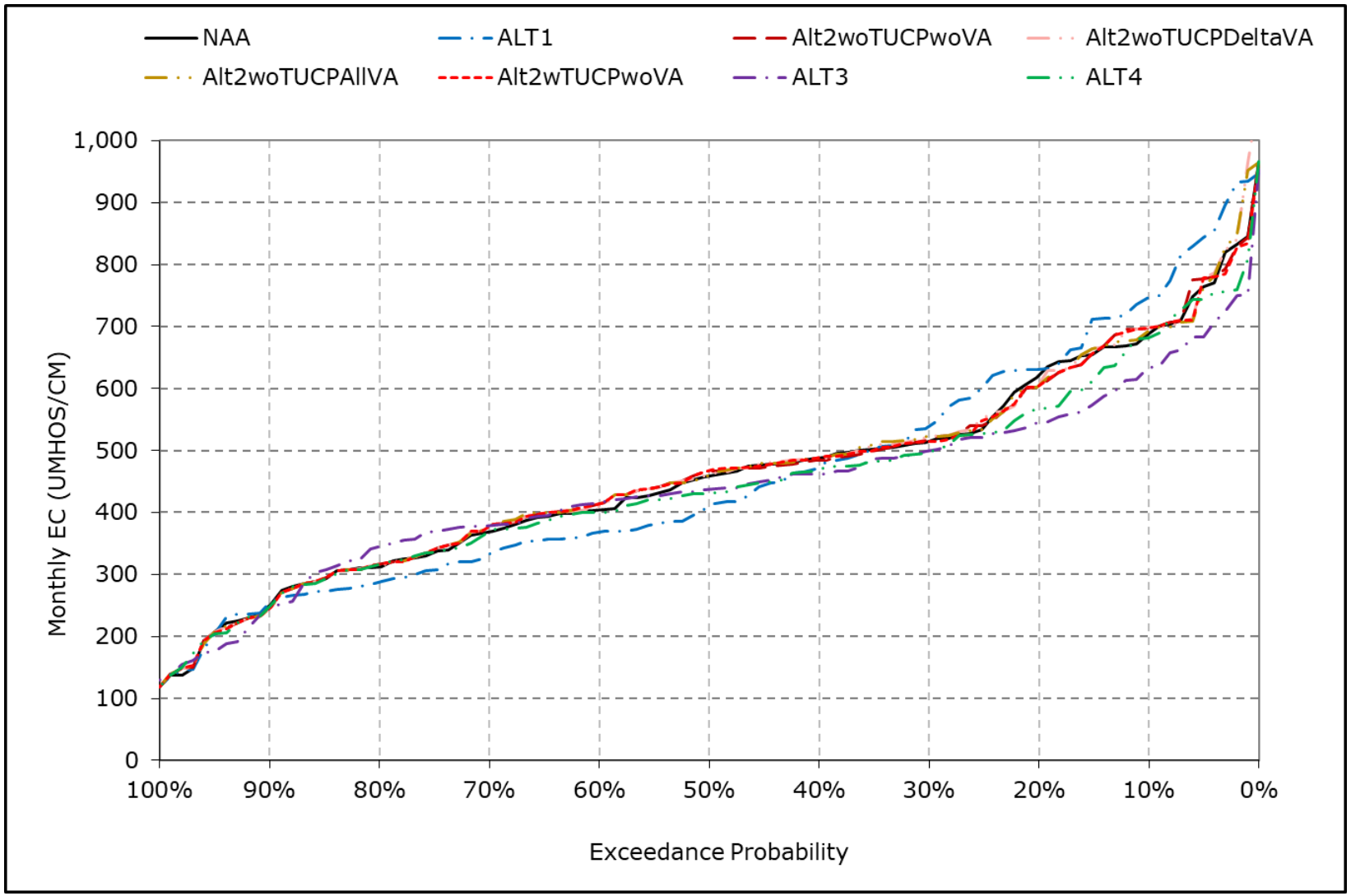
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-17-6. Banks Pumping Plant South Delta Exports Salinity, Critical Year Average Electrical Conductivity



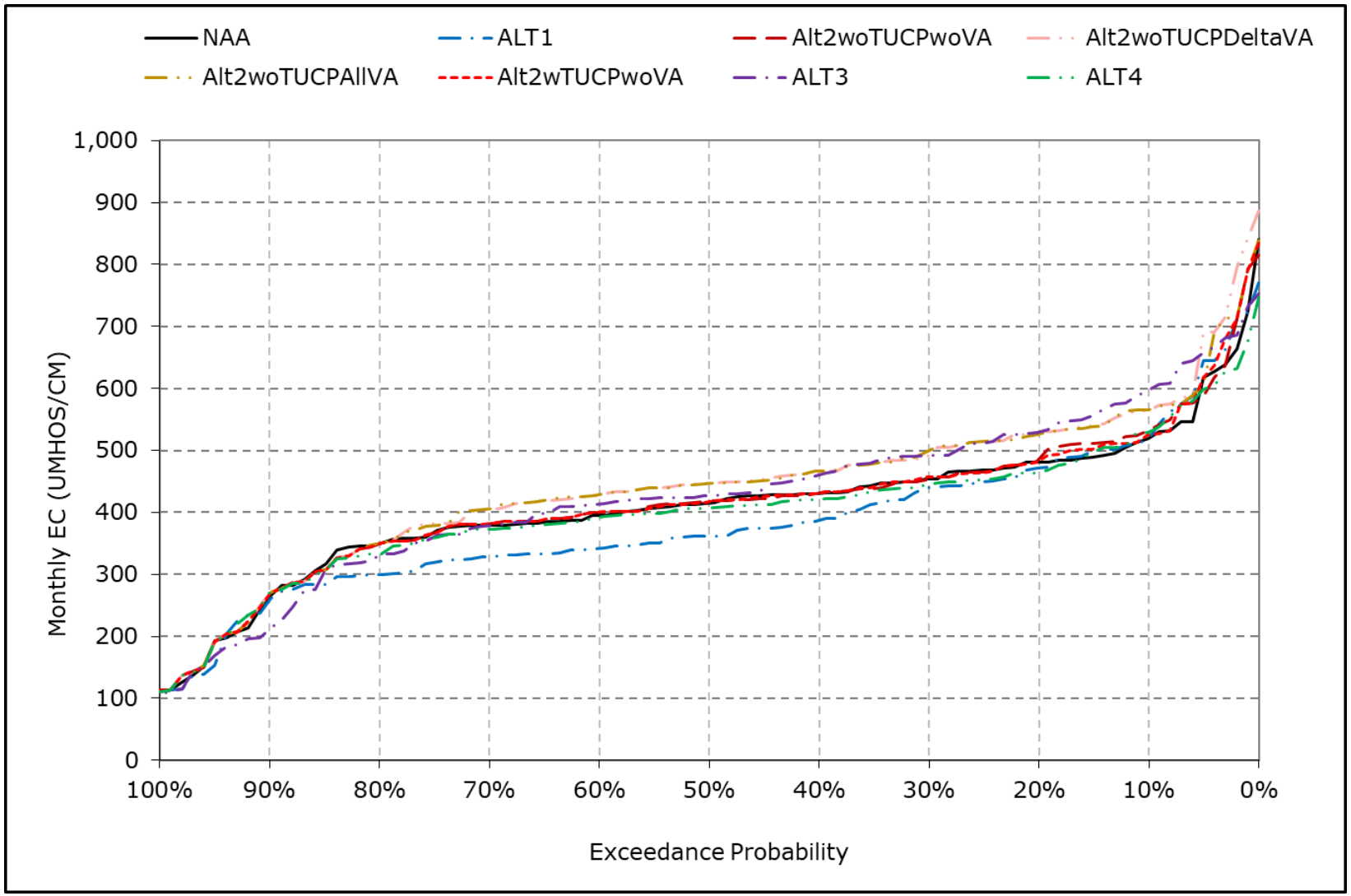
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-17-7. Banks Pumping Plant South Delta Exports Salinity, January Electrical Conductivity



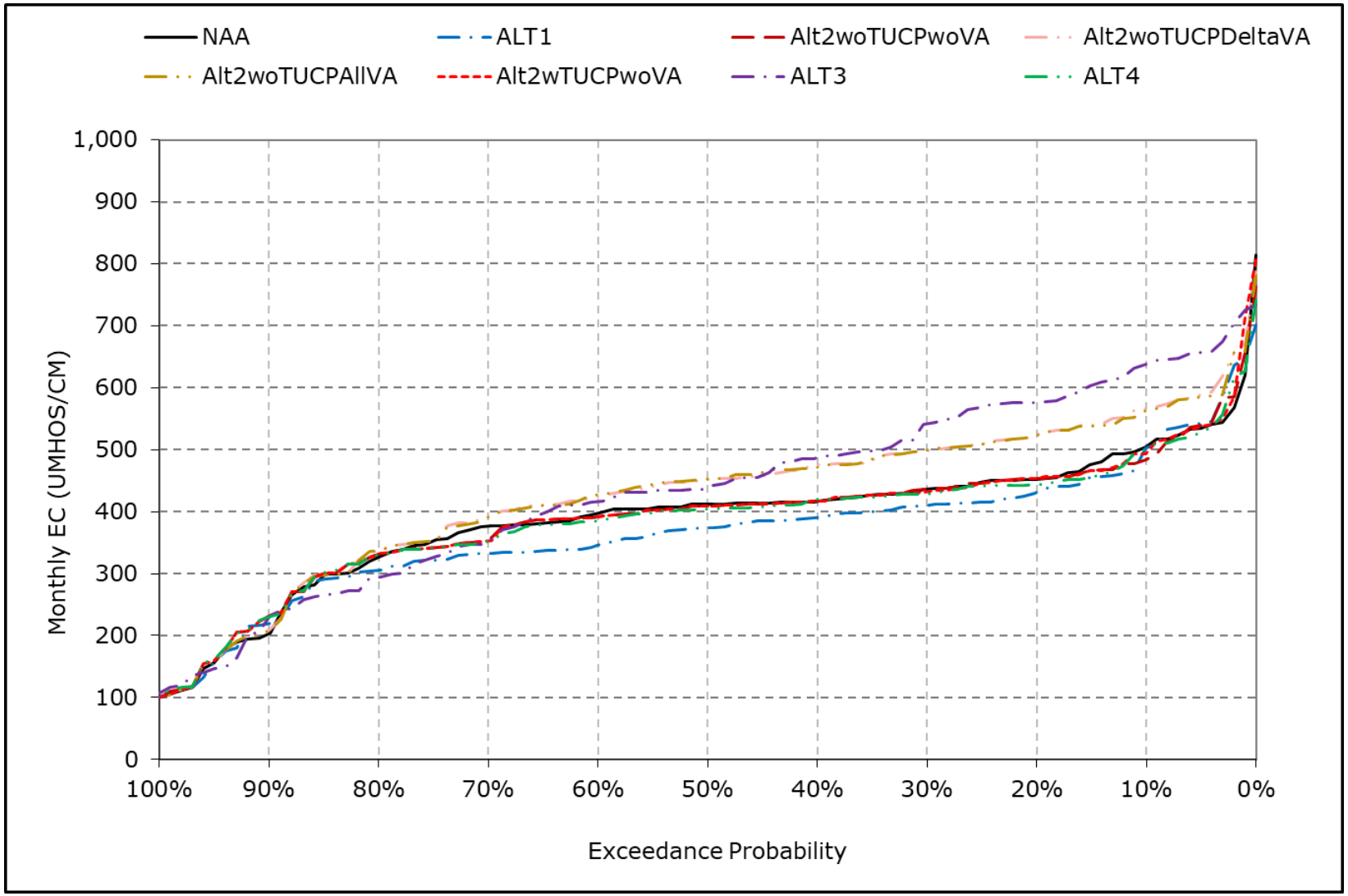
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-17-8. Banks Pumping Plant South Delta Exports Salinity, February Electrical Conductivity



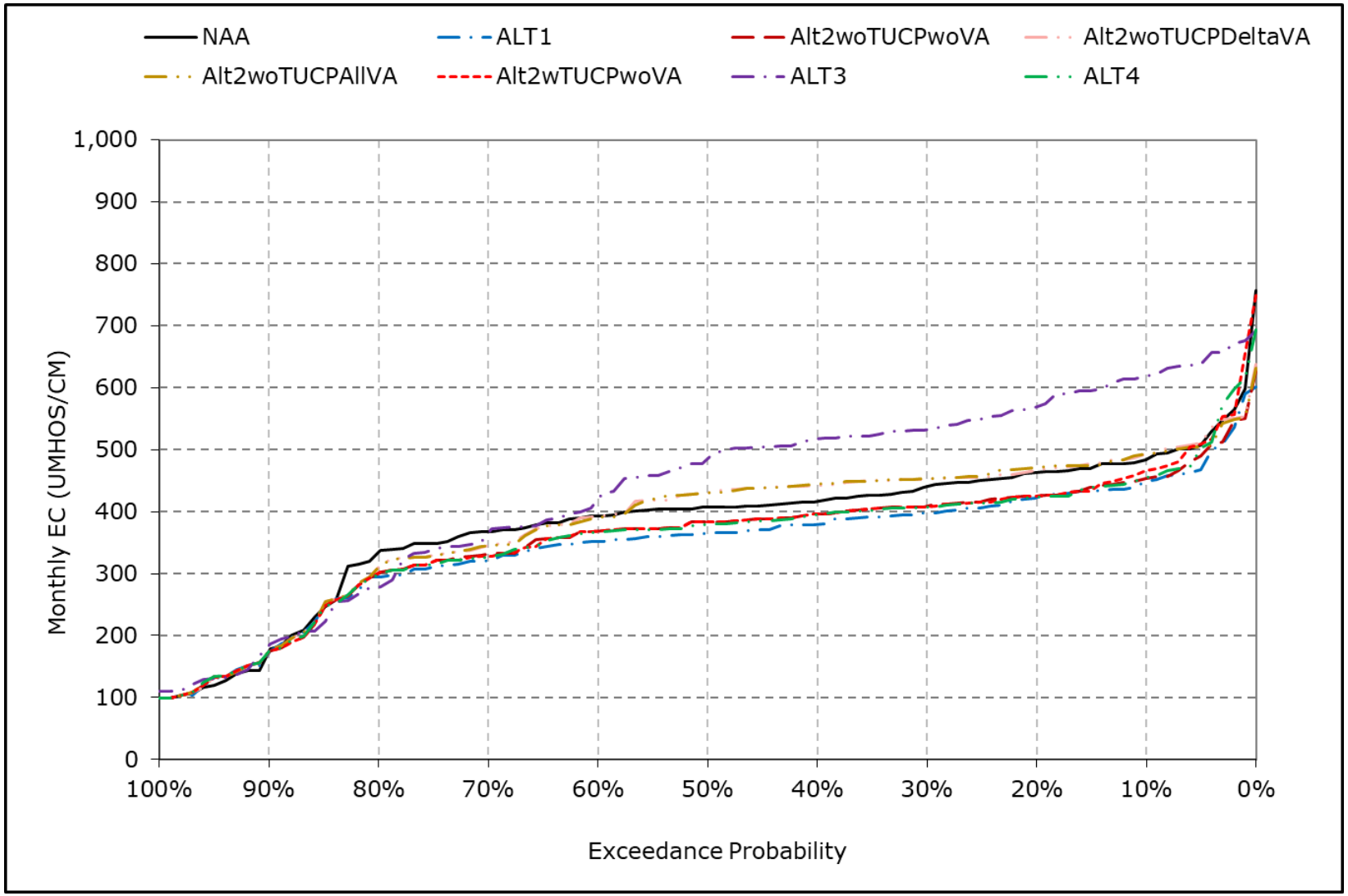
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-17-9. Banks Pumping Plant South Delta Exports Salinity, March Electrical Conductivity



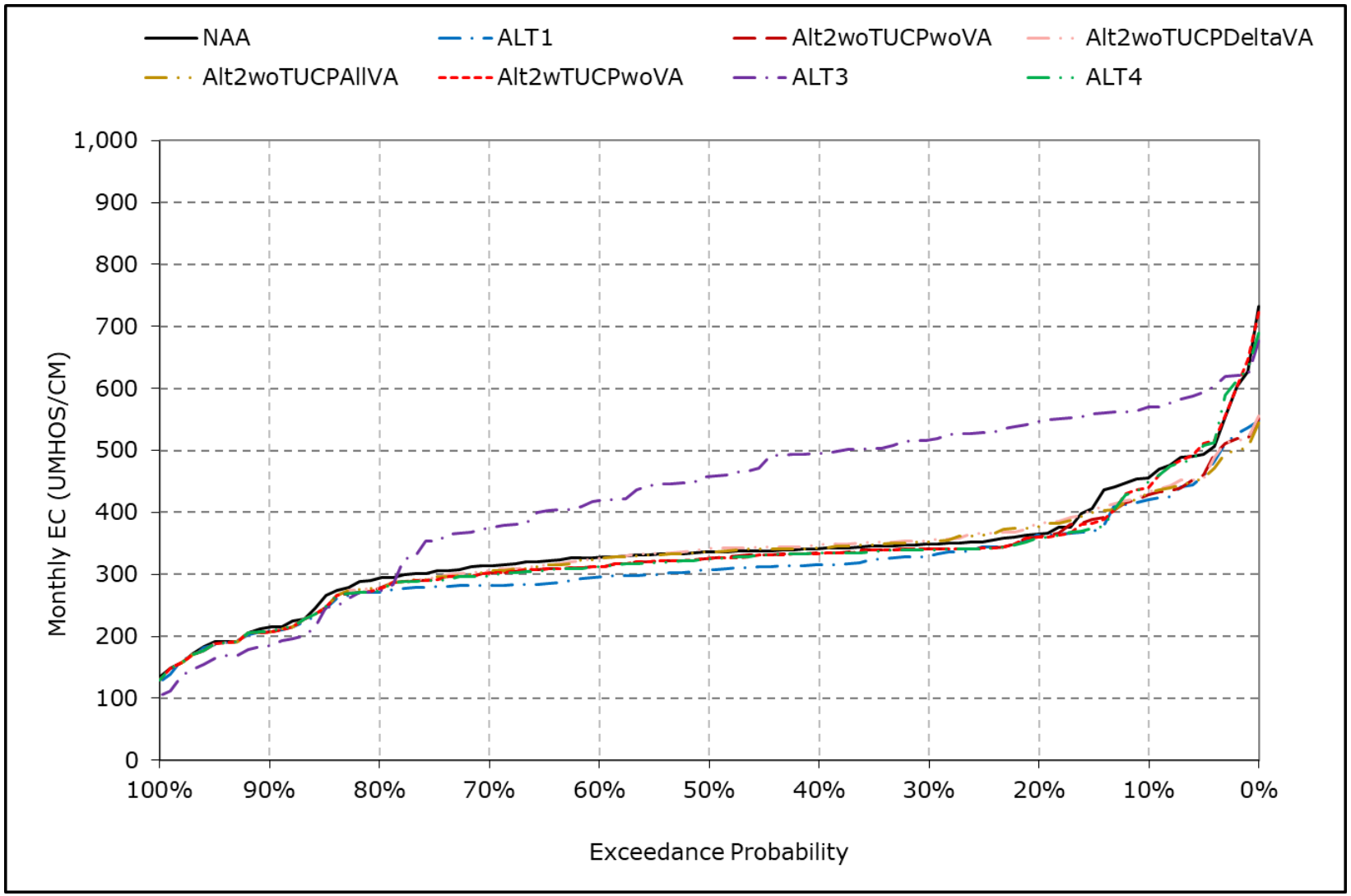
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-17-10. Banks Pumping Plant South Delta Exports Salinity, April Electrical Conductivity



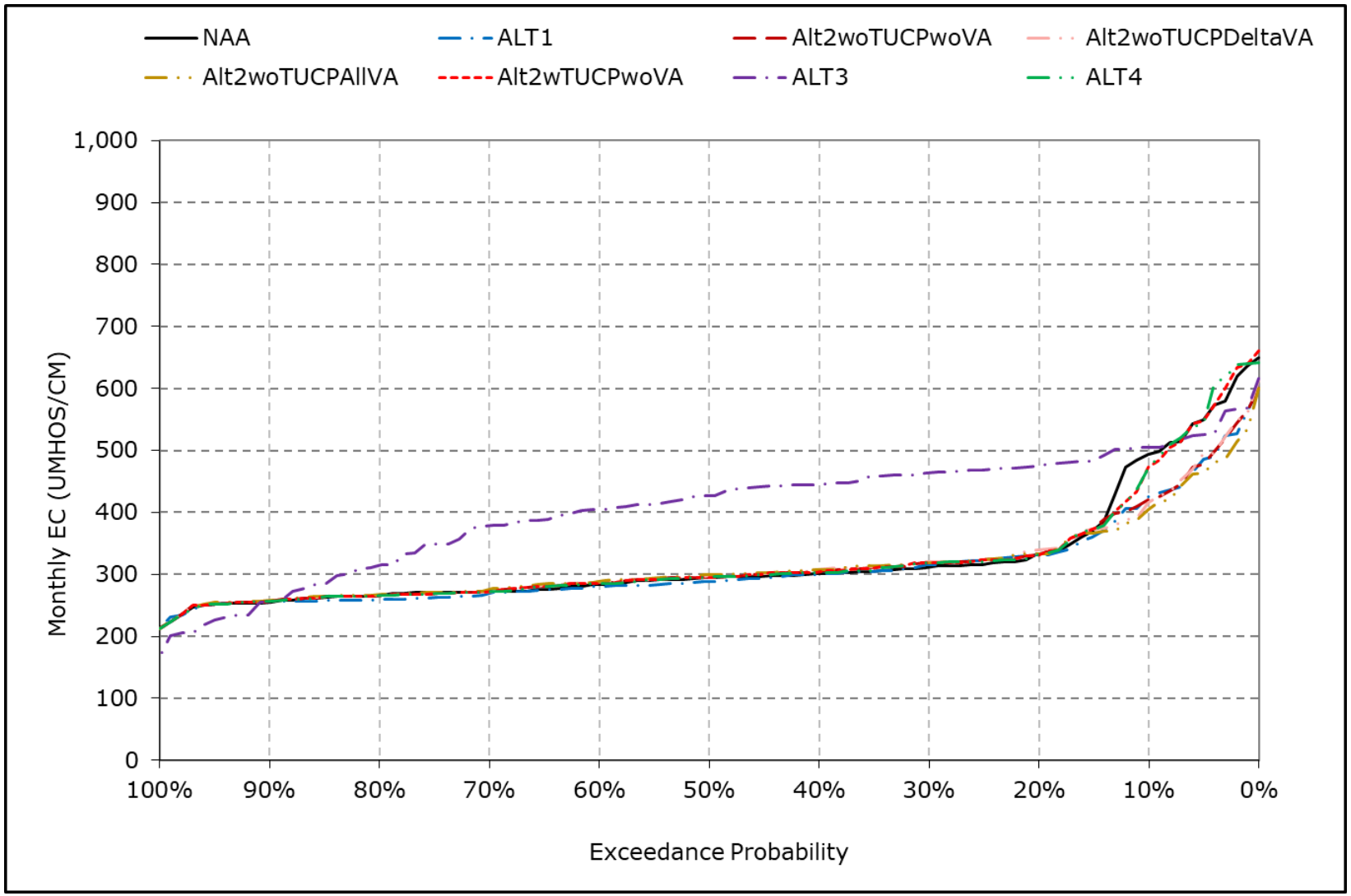
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-17-11. Banks Pumping Plant South Delta Exports Salinity, May Electrical Conductivity



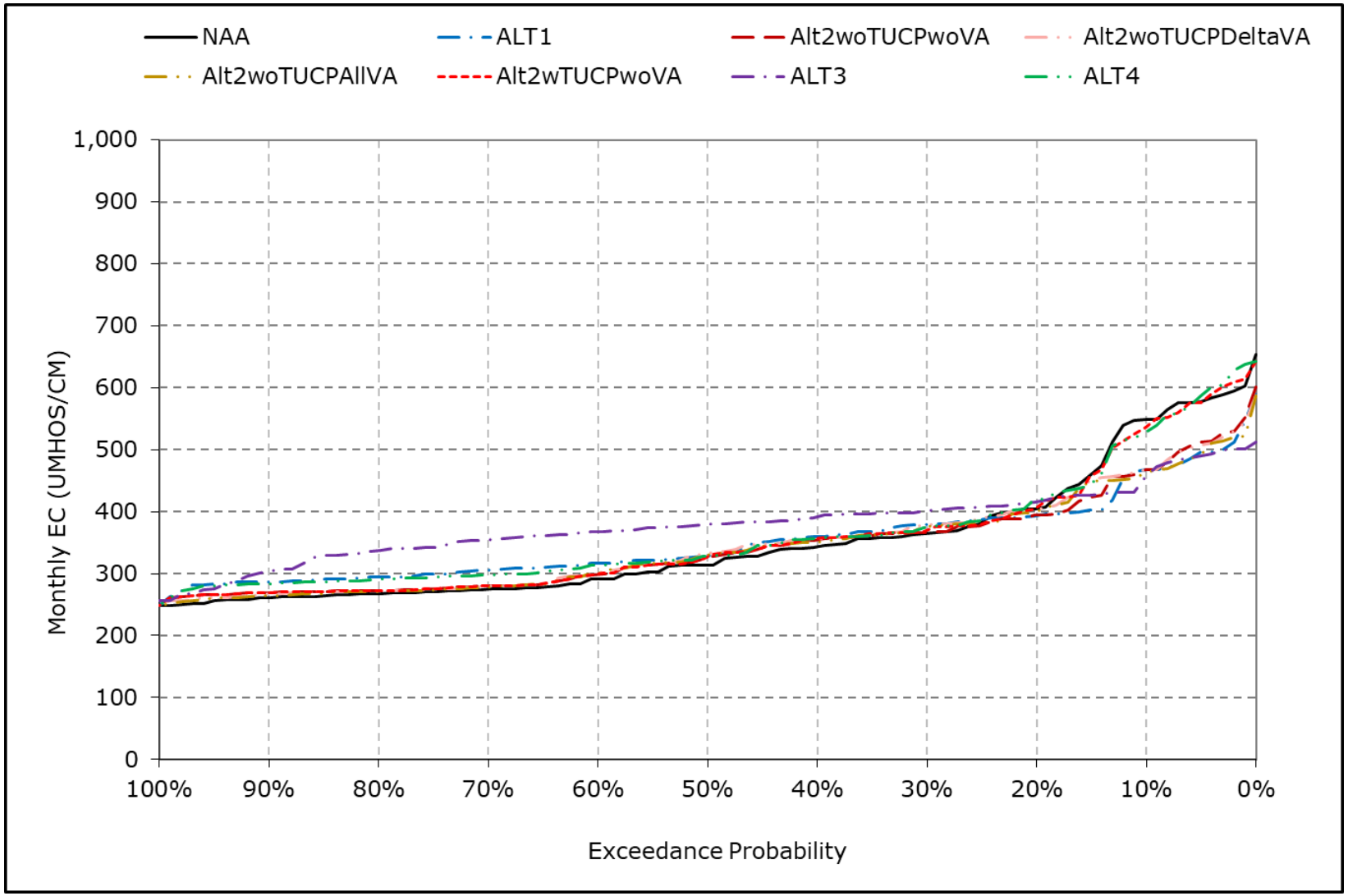
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-17-12. Banks Pumping Plant South Delta Exports Salinity, June Electrical Conductivity



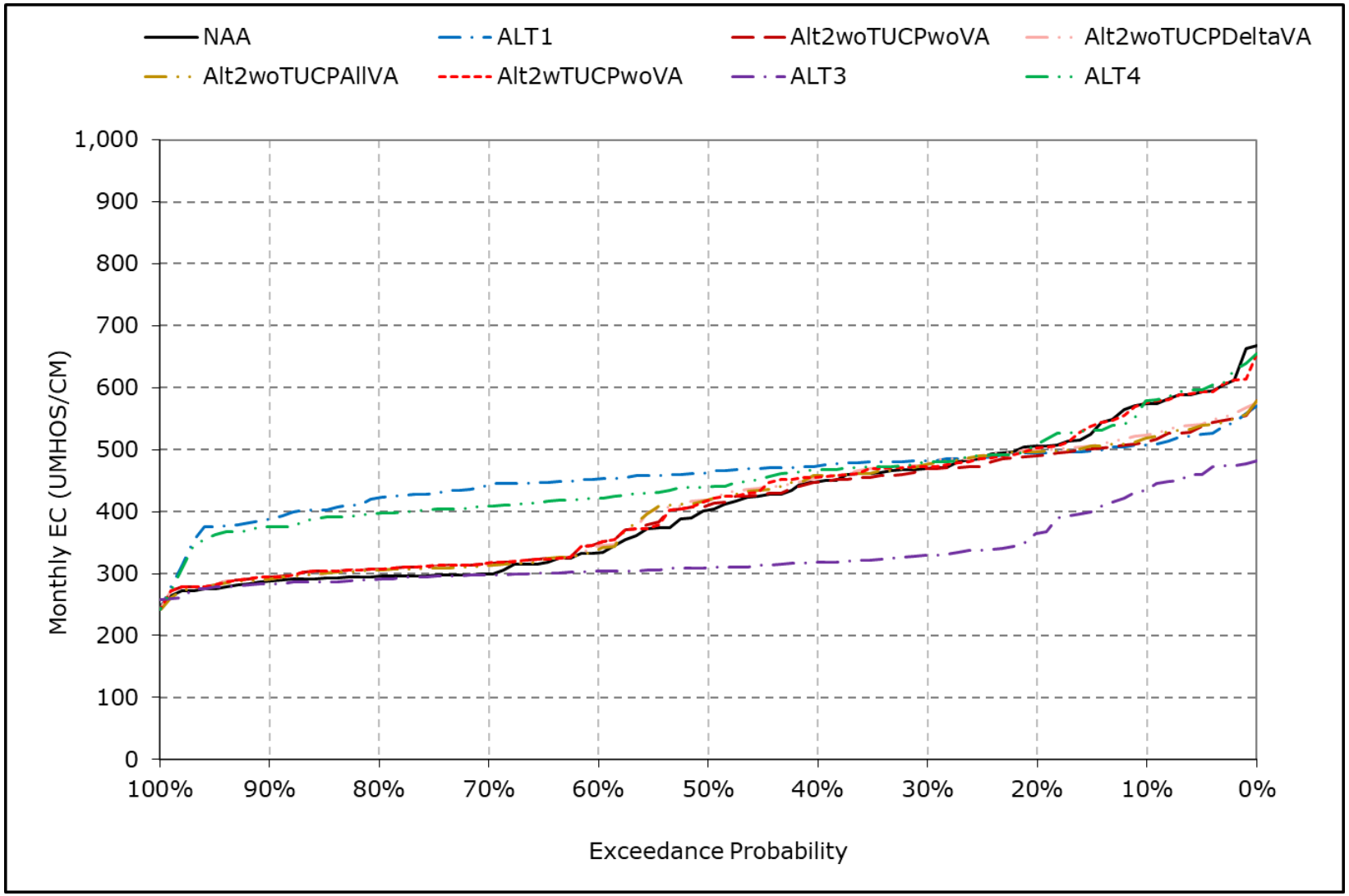
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-17-13. Banks Pumping Plant South Delta Exports Salinity, July Electrical Conductivity



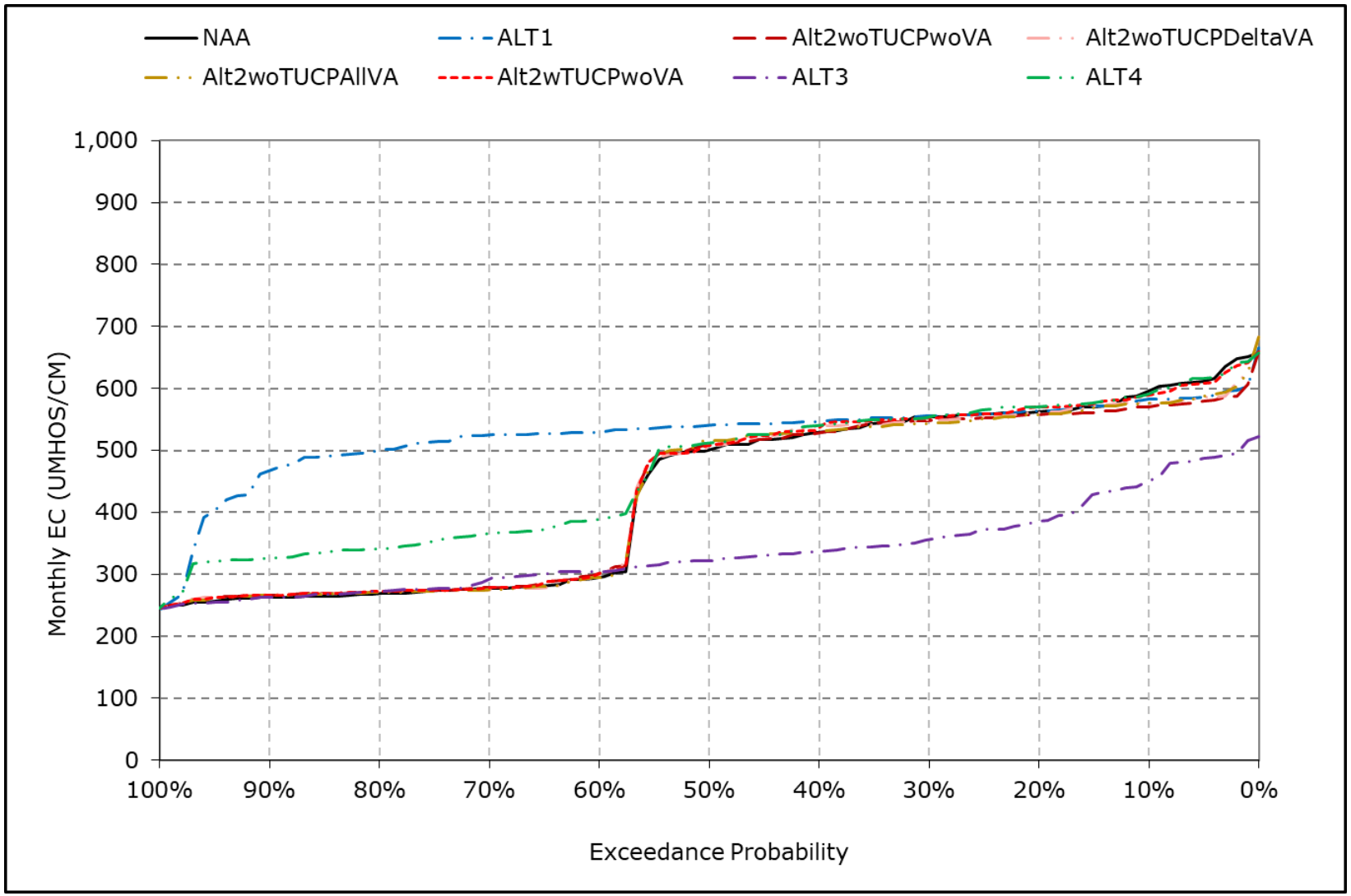
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-17-14. Banks Pumping Plant South Delta Exports Salinity, August Electrical Conductivity



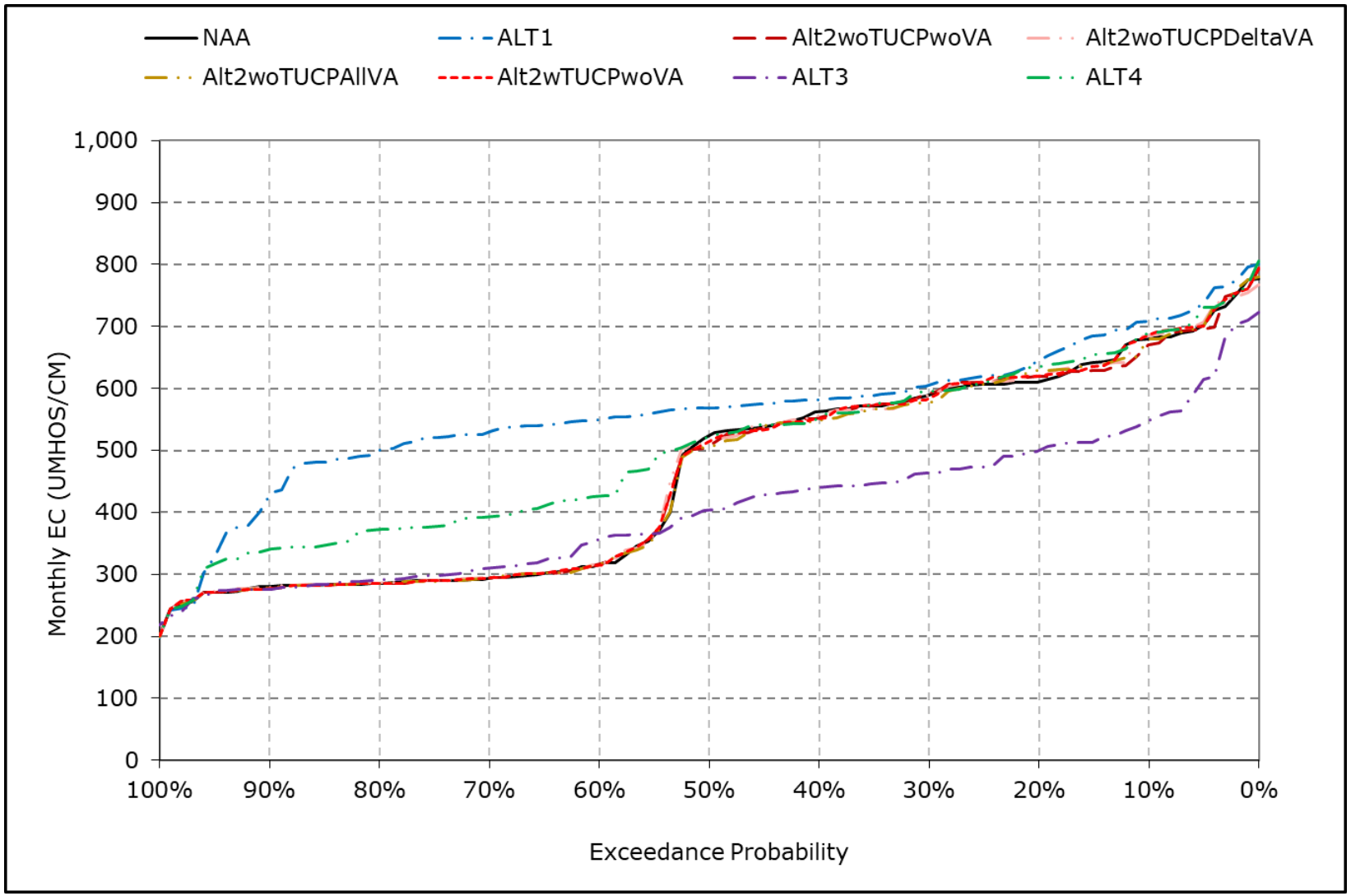
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-17-15. Banks Pumping Plant South Delta Exports Salinity, September Electrical Conductivity



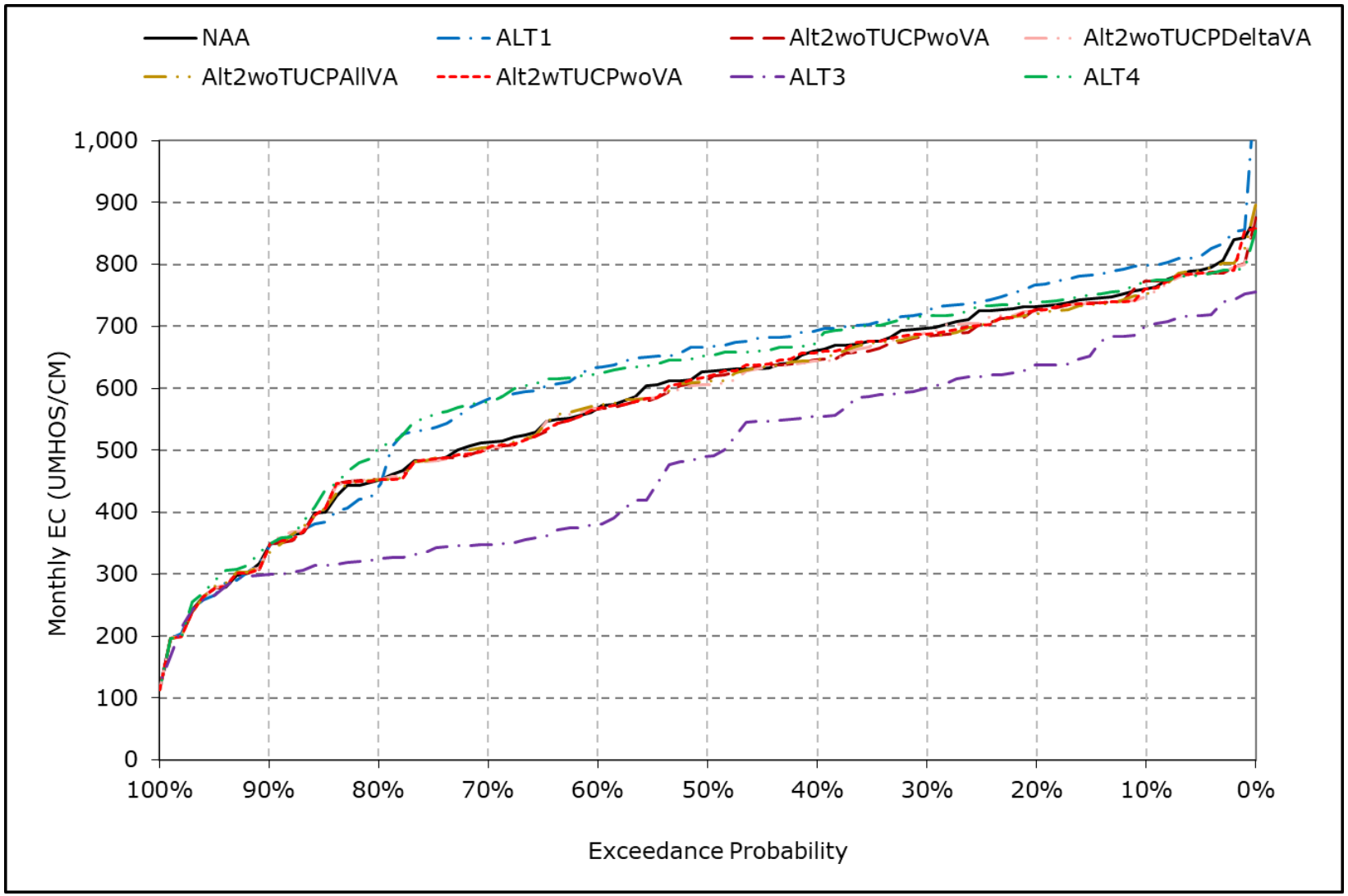
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-17-16. Banks Pumping Plant South Delta Exports Salinity, October Electrical Conductivity



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-17-17. Banks Pumping Plant South Delta Exports Salinity, November Electrical Conductivity



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-17-18. Banks Pumping Plant South Delta Exports Salinity, December Electrical Conductivity

Table F.2.5-18-1a. Old River at Highway 4, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	684	798	864	867	648	435	465	439	467	555	589	649
20% Exceedance	656	730	816	755	558	403	420	407	314	350	469	596
30% Exceedance	645	664	777	640	458	385	406	387	304	320	421	562
40% Exceedance	626	631	758	567	412	373	392	372	300	311	393	535
50% Exceedance	577	596	688	520	391	357	378	357	296	298	349	491
60% Exceedance	261	324	586	413	360	342	368	351	288	268	312	343
70% Exceedance	254	308	521	342	331	330	354	337	281	259	280	311
80% Exceedance	251	298	451	324	308	310	345	317	267	252	270	299
90% Exceedance	246	278	317	277	270	274	288	255	219	245	263	285
Full Simulation Period Average[a]	473	514	637	525	426	363	376	357	316	328	384	458
Wet Water Years (28%)	249	296	532	351	328	298	292	267	245	250	272	295
Above Normal Years (14%)	254	295	605	493	377	353	400	365	287	257	276	308
Below Normal Years (18%)	606	609	639	544	403	364	386	362	293	299	378	551
Dry Water Years (24%)	638	646	651	631	485	375	388	373	299	329	429	534
Critical Water Years (16%)	688	811	842	676	580	465	471	480	520	560	612	657

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-18-1b. Old River at Highway 4, Alternative 1, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	701	864	925	862	761	458	443	404	413	414	507	595
20% Exceedance	673	757	864	785	633	401	393	371	317	354	446	581
30% Exceedance	653	712	831	707	514	369	365	348	298	324	428	574
40% Exceedance	641	687	791	607	440	343	352	340	287	304	404	563
50% Exceedance	623	659	721	542	361	314	335	325	275	286	373	551
60% Exceedance	612	650	655	416	331	296	330	312	268	265	354	538
70% Exceedance	600	611	609	335	306	285	307	289	259	255	335	525
80% Exceedance	574	539	450	281	274	272	291	270	252	252	308	495
90% Exceedance	512	456	312	246	248	250	264	220	209	245	295	457
Full Simulation Period Average[a]	611	652	680	534	447	342	341	317	294	311	386	536
Wet Water Years (28%)	552	564	594	336	307	264	269	233	231	248	309	496
Above Normal Years (14%)	607	619	684	483	331	295	334	311	264	252	335	559
Below Normal Years (18%)	597	627	646	533	424	323	333	322	279	291	392	526
Dry Water Years (24%)	637	664	682	683	553	361	355	343	296	330	432	546
Critical Water Years (16%)	704	857	875	704	662	511	461	424	445	470	488	584

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-18-1c. Old River at Highway 4, Alternative 1 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	17	66	61	-5	113	23	-22	-36	-54	-141	-82	-54
20% Exceedance	17	27	47	30	76	-2	-27	-36	2	4	-23	-14
30% Exceedance	8	48	54	68	56	-16	-41	-39	-7	3	7	12
40% Exceedance	15	57	33	39	28	-30	-40	-32	-13	-7	11	27
50% Exceedance	47	62	33	22	-30	-43	-43	-32	-21	-12	24	60
60% Exceedance	351	326	69	4	-29	-46	-38	-39	-19	-3	42	195
70% Exceedance	346	303	88	-8	-25	-45	-47	-48	-22	-3	56	214
80% Exceedance	323	241	-1	-42	-34	-38	-54	-47	-15	0	39	196
90% Exceedance	266	178	-5	-31	-22	-25	-24	-35	-10	0	32	171
Full Simulation Period Average[a]	138	138	43	10	21	-21	-35	-40	-22	-17	2	78
Wet Water Years (28%)	303	268	61	-14	-21	-33	-22	-34	-14	-2	37	201
Above Normal Years (14%)	353	323	79	-10	-46	-58	-67	-54	-23	-4	60	250
Below Normal Years (18%)	-9	19	7	-11	21	-41	-53	-40	-13	-8	14	-25
Dry Water Years (24%)	-2	17	31	52	68	-14	-33	-31	-4	1	3	12
Critical Water Years (16%)	16	46	33	28	82	45	-10	-56	-75	-91	-124	-73

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-18-2a. Old River at Highway 4, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	684	798	864	867	648	435	465	439	467	555	589	649
20% Exceedance	656	730	816	755	558	403	420	407	314	350	469	596
30% Exceedance	645	664	777	640	458	385	406	387	304	320	421	562
40% Exceedance	626	631	758	567	412	373	392	372	300	311	393	535
50% Exceedance	577	596	688	520	391	357	378	357	296	298	349	491
60% Exceedance	261	324	586	413	360	342	368	351	288	268	312	343
70% Exceedance	254	308	521	342	331	330	354	337	281	259	280	311
80% Exceedance	251	298	451	324	308	310	345	317	267	252	270	299
90% Exceedance	246	278	317	277	270	274	288	255	219	245	263	285
Full Simulation Period Average[a]	473	514	637	525	426	363	376	357	316	328	384	458
Wet Water Years (28%)	249	296	532	351	328	298	292	267	245	250	272	295
Above Normal Years (14%)	254	295	605	493	377	353	400	365	287	257	276	308
Below Normal Years (18%)	606	609	639	544	403	364	386	362	293	299	378	551
Dry Water Years (24%)	638	646	651	631	485	375	388	373	299	329	429	534
Critical Water Years (16%)	688	811	842	676	580	465	471	480	520	560	612	657

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-18-2b. Old River at Highway 4, Alt2woTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	708	820	852	864	661	474	428	404	410	429	506	598
20% Exceedance	672	737	804	754	506	408	406	374	315	348	447	582
30% Exceedance	651	666	782	626	446	386	386	354	309	325	417	559
40% Exceedance	626	630	735	574	417	377	374	342	302	313	395	543
50% Exceedance	586	589	672	511	394	362	364	336	291	298	363	500
60% Exceedance	269	331	588	412	368	345	353	319	282	268	324	352
70% Exceedance	260	310	503	345	338	329	336	299	272	260	292	327
80% Exceedance	252	296	441	324	306	308	314	280	264	254	278	311
90% Exceedance	246	272	302	279	267	267	278	206	212	247	269	289
Full Simulation Period Average[a]	482	518	627	524	426	366	358	322	302	316	372	455
Wet Water Years (28%)	251	298	528	346	327	289	280	236	239	251	278	303
Above Normal Years (14%)	257	292	594	488	384	352	356	317	281	259	292	323
Below Normal Years (18%)	614	608	632	547	410	367	369	331	291	300	386	545
Dry Water Years (24%)	647	655	655	627	479	378	376	353	301	333	440	553
Critical Water Years (16%)	712	827	796	685	575	498	458	422	444	469	486	586

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-18-2c. Old River at Highway 4, Alt2woTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	24	22	-12	-3	13	40	-38	-36	-57	-126	-83	-51
20% Exceedance	16	8	-13	-1	-52	5	-14	-33	0	-2	-22	-13
30% Exceedance	6	2	5	-13	-12	1	-20	-33	4	5	-4	-3
40% Exceedance	0	-1	-23	7	4	4	-18	-30	2	3	3	8
50% Exceedance	9	-8	-17	-9	3	5	-15	-21	-5	0	14	10
60% Exceedance	8	6	2	0	8	3	-15	-32	-6	-1	12	9
70% Exceedance	7	2	-18	2	6	-1	-18	-38	-9	2	12	16
80% Exceedance	1	-2	-9	1	-2	-3	-31	-37	-3	1	8	12
90% Exceedance	0	-6	-14	1	-3	-8	-9	-49	-7	2	6	3
Full Simulation Period Average[a]	8	4	-10	-1	0	4	-18	-35	-14	-13	-12	-4
Wet Water Years (28%)	2	1	-4	-5	0	-9	-12	-31	-6	1	6	8
Above Normal Years (14%)	3	-4	-10	-5	8	-1	-45	-48	-5	2	17	15
Below Normal Years (18%)	9	-1	-8	4	7	3	-17	-30	-2	1	8	-6
Dry Water Years (24%)	9	9	4	-4	-6	3	-12	-21	2	4	11	18
Critical Water Years (16%)	25	16	-45	9	-5	32	-13	-57	-76	-91	-126	-71

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-18-3a. Old River at Highway 4, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	684	798	864	867	648	435	465	439	467	555	589	649
20% Exceedance	656	730	816	755	558	403	420	407	314	350	469	596
30% Exceedance	645	664	777	640	458	385	406	387	304	320	421	562
40% Exceedance	626	631	758	567	412	373	392	372	300	311	393	535
50% Exceedance	577	596	688	520	391	357	378	357	296	298	349	491
60% Exceedance	261	324	586	413	360	342	368	351	288	268	312	343
70% Exceedance	254	308	521	342	331	330	354	337	281	259	280	311
80% Exceedance	251	298	451	324	308	310	345	317	267	252	270	299
90% Exceedance	246	278	317	277	270	274	288	255	219	245	263	285
Full Simulation Period Average[a]	473	514	637	525	426	363	376	357	316	328	384	458
Wet Water Years (28%)	249	296	532	351	328	298	292	267	245	250	272	295
Above Normal Years (14%)	254	295	605	493	377	353	400	365	287	257	276	308
Below Normal Years (18%)	606	609	639	544	403	364	386	362	293	299	378	551
Dry Water Years (24%)	638	646	651	631	485	375	388	373	299	329	429	534
Critical Water Years (16%)	688	811	842	676	580	465	471	480	520	560	612	657

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-18-3b. Old River at Highway 4, Alt2woTUCPDeltaVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	709	814	849	850	662	494	503	419	399	426	514	615
20% Exceedance	671	724	808	751	545	466	469	400	325	350	469	585
30% Exceedance	652	665	780	632	461	445	446	389	314	330	422	572
40% Exceedance	625	623	733	576	417	412	431	381	309	313	402	546
50% Exceedance	599	595	661	509	395	398	420	374	295	300	364	518
60% Exceedance	268	330	580	413	369	387	400	343	288	268	326	346
70% Exceedance	260	309	518	344	339	362	372	320	277	259	288	325
80% Exceedance	251	299	446	324	306	309	343	289	264	255	275	307
90% Exceedance	246	273	303	281	267	267	286	208	212	247	267	288
Full Simulation Period Average[a]	484	521	628	525	433	400	402	343	306	316	375	460
Wet Water Years (28%)	251	299	528	352	328	296	291	240	240	250	277	302
Above Normal Years (14%)	257	294	601	489	385	406	439	357	287	260	288	319
Below Normal Years (18%)	620	615	641	565	414	434	443	359	295	301	391	556
Dry Water Years (24%)	649	652	649	612	478	413	436	386	309	336	453	567
Critical Water Years (16%)	719	835	795	684	611	519	467	426	444	467	489	590

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-18-3c. Old River at Highway 4, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	26	16	-15	-17	14	59	38	-20	-67	-129	-75	-34
20% Exceedance	15	-6	-9	-4	-13	64	49	-7	11	0	0	-11
30% Exceedance	7	1	3	-7	3	60	40	2	9	10	1	10
40% Exceedance	-2	-8	-24	9	5	39	39	9	9	2	9	10
50% Exceedance	22	-1	-27	-12	4	41	41	17	-1	2	15	28
60% Exceedance	7	6	-7	1	9	45	32	-8	1	0	14	3
70% Exceedance	6	2	-3	2	8	31	18	-17	-3	0	8	14
80% Exceedance	0	1	-5	0	-2	-1	-2	-28	-3	2	5	8
90% Exceedance	0	-5	-14	3	-3	-8	-2	-47	-7	3	4	2
Full Simulation Period Average[a]	11	7	-9	0	6	37	26	-15	-11	-12	-9	2
Wet Water Years (28%)	2	3	-5	2	0	-1	0	-27	-5	1	5	7
Above Normal Years (14%)	3	-1	-4	-4	8	52	38	-8	1	3	13	10
Below Normal Years (18%)	14	6	2	21	11	70	57	-2	2	2	13	5
Dry Water Years (24%)	11	6	-3	-19	-7	37	48	13	9	7	24	33
Critical Water Years (16%)	32	25	-47	7	31	53	-4	-54	-76	-93	-123	-67

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-18-4a. Old River at Highway 4, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	684	798	864	867	648	435	465	439	467	555	589	649
20% Exceedance	656	730	816	755	558	403	420	407	314	350	469	596
30% Exceedance	645	664	777	640	458	385	406	387	304	320	421	562
40% Exceedance	626	631	758	567	412	373	392	372	300	311	393	535
50% Exceedance	577	596	688	520	391	357	378	357	296	298	349	491
60% Exceedance	261	324	586	413	360	342	368	351	288	268	312	343
70% Exceedance	254	308	521	342	331	330	354	337	281	259	280	311
80% Exceedance	251	298	451	324	308	310	345	317	267	252	270	299
90% Exceedance	246	278	317	277	270	274	288	255	219	245	263	285
Full Simulation Period Average[a]	473	514	637	525	426	363	376	357	316	328	384	458
Wet Water Years (28%)	249	296	532	351	328	298	292	267	245	250	272	295
Above Normal Years (14%)	254	295	605	493	377	353	400	365	287	257	276	308
Below Normal Years (18%)	606	609	639	544	403	364	386	362	293	299	378	551
Dry Water Years (24%)	638	646	651	631	485	375	388	373	299	329	429	534
Critical Water Years (16%)	688	811	842	676	580	465	471	480	520	560	612	657

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-18-4b. Old River at Highway 4, Alt2woTUCPAllVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	710	816	864	854	653	482	501	419	391	423	509	608
20% Exceedance	668	726	814	719	548	467	469	400	320	350	461	584
30% Exceedance	645	659	781	637	459	448	443	388	310	327	419	569
40% Exceedance	626	619	736	567	418	411	429	378	301	316	397	545
50% Exceedance	596	589	656	505	390	399	419	370	293	297	363	511
60% Exceedance	266	329	579	413	362	387	402	341	285	269	325	345
70% Exceedance	259	308	519	345	340	363	369	318	276	260	284	323
80% Exceedance	251	297	447	323	306	310	344	289	262	255	275	307
90% Exceedance	245	270	305	280	267	266	285	214	212	247	267	287
Full Simulation Period Average[a]	482	517	629	525	427	397	400	341	300	314	372	458
Wet Water Years (28%)	250	299	527	348	327	296	290	241	239	251	276	302
Above Normal Years (14%)	255	294	602	487	380	404	438	356	286	260	284	316
Below Normal Years (18%)	611	602	642	552	412	433	438	355	290	302	384	554
Dry Water Years (24%)	647	650	648	623	481	413	436	387	305	337	453	566
Critical Water Years (16%)	723	834	801	692	580	502	463	418	424	449	479	588

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-18-4c. Old River at Highway 4, Alt2woTUCPAllVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	26	18	0	-13	6	48	35	-20	-76	-132	-80	-41
20% Exceedance	12	-4	-3	-36	-9	65	49	-7	6	0	-8	-11
30% Exceedance	0	-5	4	-3	1	62	37	1	5	6	-2	7
40% Exceedance	0	-12	-22	-1	6	38	37	7	1	5	4	9
50% Exceedance	20	-8	-32	-15	-1	42	41	12	-3	-1	14	21
60% Exceedance	4	4	-7	1	2	45	34	-11	-2	1	13	2
70% Exceedance	5	0	-2	3	8	33	15	-19	-5	1	4	12
80% Exceedance	0	-1	-4	0	-2	-1	-2	-28	-4	2	5	8
90% Exceedance	-1	-8	-12	3	-3	-8	-2	-41	-7	2	3	2
Full Simulation Period Average[a]	9	4	-8	1	1	34	24	-16	-16	-15	-12	0
Wet Water Years (28%)	1	2	-5	-2	-1	-1	-2	-26	-6	1	4	7
Above Normal Years (14%)	1	-1	-3	-6	3	50	37	-9	-1	3	8	7
Below Normal Years (18%)	6	-7	3	8	9	70	52	-7	-3	3	6	3
Dry Water Years (24%)	9	4	-3	-7	-4	38	48	13	6	8	24	31
Critical Water Years (16%)	36	24	-40	16	0	37	-8	-61	-96	-111	-132	-69

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-18-5a. Old River at Highway 4, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	684	798	864	867	648	435	465	439	467	555	589	649
20% Exceedance	656	730	816	755	558	403	420	407	314	350	469	596
30% Exceedance	645	664	777	640	458	385	406	387	304	320	421	562
40% Exceedance	626	631	758	567	412	373	392	372	300	311	393	535
50% Exceedance	577	596	688	520	391	357	378	357	296	298	349	491
60% Exceedance	261	324	586	413	360	342	368	351	288	268	312	343
70% Exceedance	254	308	521	342	331	330	354	337	281	259	280	311
80% Exceedance	251	298	451	324	308	310	345	317	267	252	270	299
90% Exceedance	246	278	317	277	270	274	288	255	219	245	263	285
Full Simulation Period Average[a]	473	514	637	525	426	363	376	357	316	328	384	458
Wet Water Years (28%)	249	296	532	351	328	298	292	267	245	250	272	295
Above Normal Years (14%)	254	295	605	493	377	353	400	365	287	257	276	308
Below Normal Years (18%)	606	609	639	544	403	364	386	362	293	299	378	551
Dry Water Years (24%)	638	646	651	631	485	375	388	373	299	329	429	534
Critical Water Years (16%)	688	811	842	676	580	465	471	480	520	560	612	657

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-18-5b. Old River at Highway 4, Alt2wTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	691	816	849	812	660	458	438	436	450	571	605	652
20% Exceedance	665	733	814	734	505	395	405	372	314	350	462	593
30% Exceedance	643	662	788	650	455	383	386	354	308	325	424	567
40% Exceedance	625	621	750	579	415	374	374	342	301	313	406	544
50% Exceedance	575	583	674	509	390	360	363	336	291	300	359	509
60% Exceedance	269	331	592	413	363	345	353	319	282	268	324	351
70% Exceedance	260	310	506	345	338	330	336	299	272	260	292	327
80% Exceedance	252	297	441	324	306	308	313	280	264	254	277	311
90% Exceedance	246	272	302	279	273	270	278	206	212	247	269	289
Full Simulation Period Average[a]	477	516	631	521	428	364	360	329	313	328	389	465
Wet Water Years (28%)	251	298	528	346	327	289	279	235	239	251	278	303
Above Normal Years (14%)	257	292	595	489	388	351	355	317	281	259	293	324
Below Normal Years (18%)	611	602	633	539	408	366	369	330	290	300	387	549
Dry Water Years (24%)	647	654	658	636	482	378	376	353	301	333	442	553
Critical Water Years (16%)	688	821	813	663	580	485	472	470	514	546	592	645

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-18-5c. Old River at Highway 4, Alt2wTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7	18	-15	-56	13	23	-27	-4	-17	16	16	2
20% Exceedance	9	4	-2	-22	-53	-8	-16	-35	0	-1	-7	-2
30% Exceedance	-2	-2	11	10	-4	-2	-20	-33	4	5	3	5
40% Exceedance	-1	-9	-8	11	2	1	-18	-30	1	2	13	9
50% Exceedance	-2	-14	-15	-11	-1	3	-15	-21	-5	1	10	18
60% Exceedance	8	6	6	0	3	3	-15	-32	-6	-1	13	8
70% Exceedance	7	2	-15	2	6	0	-18	-39	-9	2	12	16
80% Exceedance	1	-1	-9	1	-2	-3	-32	-37	-3	1	8	12
90% Exceedance	0	-6	-14	1	3	-4	-9	-49	-7	2	6	3
Full Simulation Period Average[a]	4	2	-6	-4	1	2	-16	-28	-3	-1	5	7
Wet Water Years (28%)	2	1	-4	-5	-1	-8	-13	-32	-6	1	6	8
Above Normal Years (14%)	3	-3	-9	-4	11	-2	-45	-48	-5	2	17	15
Below Normal Years (18%)	5	-6	-6	-4	5	2	-17	-32	-2	1	9	-2
Dry Water Years (24%)	9	7	7	5	-4	3	-12	-21	2	4	12	19
Critical Water Years (16%)	0	10	-28	-13	-1	19	1	-10	-6	-14	-20	-12

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-18-6a. Old River at Highway 4, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	684	798	864	867	648	435	465	439	467	555	589	649
20% Exceedance	656	730	816	755	558	403	420	407	314	350	469	596
30% Exceedance	645	664	777	640	458	385	406	387	304	320	421	562
40% Exceedance	626	631	758	567	412	373	392	372	300	311	393	535
50% Exceedance	577	596	688	520	391	357	378	357	296	298	349	491
60% Exceedance	261	324	586	413	360	342	368	351	288	268	312	343
70% Exceedance	254	308	521	342	331	330	354	337	281	259	280	311
80% Exceedance	251	298	451	324	308	310	345	317	267	252	270	299
90% Exceedance	246	278	317	277	270	274	288	255	219	245	263	285
Full Simulation Period Average[a]	473	514	637	525	426	363	376	357	316	328	384	458
Wet Water Years (28%)	249	296	532	351	328	298	292	267	245	250	272	295
Above Normal Years (14%)	254	295	605	493	377	353	400	365	287	257	276	308
Below Normal Years (18%)	606	609	639	544	403	364	386	362	293	299	378	551
Dry Water Years (24%)	638	646	651	631	485	375	388	373	299	329	429	534
Critical Water Years (16%)	688	811	842	676	580	465	471	480	520	560	612	657

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-18-6b. Old River at Highway 4, Alternative 3, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	542	750	832	680	618	642	645	571	487	428	393	428
20% Exceedance	431	592	744	578	493	560	601	554	459	381	357	319
30% Exceedance	392	547	702	523	463	516	557	527	441	361	323	301
40% Exceedance	367	499	666	489	442	440	513	514	431	353	307	290
50% Exceedance	334	452	565	438	412	394	493	490	416	342	301	285
60% Exceedance	307	310	380	389	386	365	454	439	393	334	299	278
70% Exceedance	258	286	323	354	345	347	382	362	358	322	292	268
80% Exceedance	248	274	301	312	317	312	329	239	286	315	288	257
90% Exceedance	242	259	284	291	267	250	173	131	193	294	279	251
Full Simulation Period Average[a]	360	452	532	455	415	423	456	420	383	345	322	308
Wet Water Years (28%)	258	271	306	346	313	330	276	224	265	312	303	271
Above Normal Years (14%)	268	289	409	430	381	420	449	407	388	345	307	274
Below Normal Years (18%)	347	469	644	455	449	460	517	482	401	355	313	285
Dry Water Years (24%)	401	548	614	509	472	441	535	515	435	327	295	291
Critical Water Years (16%)	590	778	811	590	504	518	588	562	487	422	416	454

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-18-6c. Old River at Highway 4, Alternative 3 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-141	-48	-32	-187	-30	207	180	132	20	-127	-196	-221
20% Exceedance	-225	-138	-72	-177	-65	158	181	147	144	30	-112	-277
30% Exceedance	-253	-117	-75	-117	5	130	152	140	136	41	-98	-261
40% Exceedance	-259	-132	-92	-79	30	67	121	143	131	42	-86	-245
50% Exceedance	-243	-144	-123	-82	20	37	115	133	120	43	-48	-206
60% Exceedance	45	-14	-206	-23	26	22	87	88	105	65	-13	-65
70% Exceedance	5	-22	-198	11	14	16	27	25	77	64	13	-43
80% Exceedance	-3	-24	-150	-12	9	2	-16	-77	20	62	18	-42
90% Exceedance	-4	-19	-33	14	-4	-25	-114	-124	-26	49	15	-35
Full Simulation Period Average[a]	-114	-62	-106	-69	-11	60	80	63	67	17	-62	-150
Wet Water Years (28%)	9	-26	-227	-5	-15	32	-16	-43	21	62	31	-24
Above Normal Years (14%)	14	-6	-196	-63	4	67	49	42	101	88	31	-34
Below Normal Years (18%)	-259	-139	4	-89	46	96	130	120	108	55	-65	-266
Dry Water Years (24%)	-237	-99	-37	-122	-14	66	147	142	135	-2	-134	-243
Critical Water Years (16%)	-98	-32	-31	-86	-76	53	117	82	-33	-138	-195	-204

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-18-7a. Old River at Highway 4, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	684	798	864	867	648	435	465	439	467	555	589	649
20% Exceedance	656	730	816	755	558	403	420	407	314	350	469	596
30% Exceedance	645	664	777	640	458	385	406	387	304	320	421	562
40% Exceedance	626	631	758	567	412	373	392	372	300	311	393	535
50% Exceedance	577	596	688	520	391	357	378	357	296	298	349	491
60% Exceedance	261	324	586	413	360	342	368	351	288	268	312	343
70% Exceedance	254	308	521	342	331	330	354	337	281	259	280	311
80% Exceedance	251	298	451	324	308	310	345	317	267	252	270	299
90% Exceedance	246	278	317	277	270	274	288	255	219	245	263	285
Full Simulation Period Average[a]	473	514	637	525	426	363	376	357	316	328	384	458
Wet Water Years (28%)	249	296	532	351	328	298	292	267	245	250	272	295
Above Normal Years (14%)	254	295	605	493	377	353	400	365	287	257	276	308
Below Normal Years (18%)	606	609	639	544	403	364	386	362	293	299	378	551
Dry Water Years (24%)	638	646	651	631	485	375	388	373	299	329	429	534
Critical Water Years (16%)	688	811	842	676	580	465	471	480	520	560	612	657

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-18-7b. Old River at Highway 4, Alternative 4, Monthly Electrical Conductivity (UMHOS/CM)

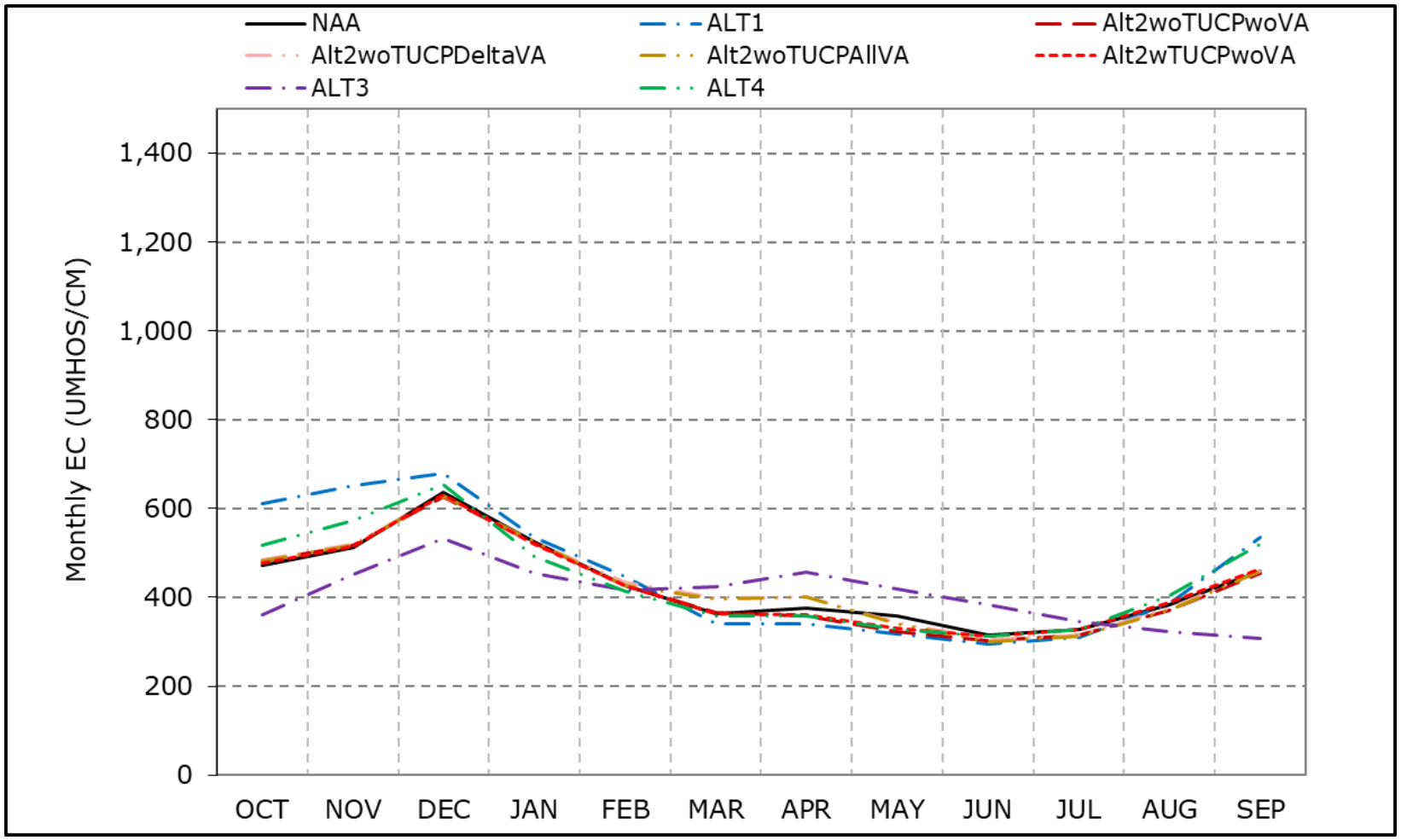
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	703	820	841	728	655	478	437	416	451	564	595	639
20% Exceedance	674	743	821	640	530	393	403	372	313	363	489	604
30% Exceedance	641	677	795	597	440	379	381	353	308	327	422	568
40% Exceedance	625	633	751	527	397	366	370	341	301	313	406	557
50% Exceedance	579	592	691	471	376	357	362	333	291	298	360	510
60% Exceedance	409	497	646	405	348	341	352	318	282	268	347	482
70% Exceedance	379	452	596	352	333	326	335	296	272	260	327	463
80% Exceedance	335	397	486	331	304	307	312	279	263	253	309	433
90% Exceedance	320	344	345	284	271	266	276	209	212	246	298	415
Full Simulation Period Average[a]	519	573	655	492	414	358	357	328	313	329	403	519
Wet Water Years (28%)	347	434	582	347	323	287	279	236	239	250	305	419
Above Normal Years (14%)	344	395	666	427	370	349	353	316	281	259	331	468
Below Normal Years (18%)	614	610	638	497	384	359	366	328	290	299	385	551
Dry Water Years (24%)	646	655	659	575	471	376	374	348	300	334	445	557
Critical Water Years (16%)	696	832	794	670	559	461	464	469	515	554	595	647

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-18-7c. Old River at Highway 4, Alternative 4 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

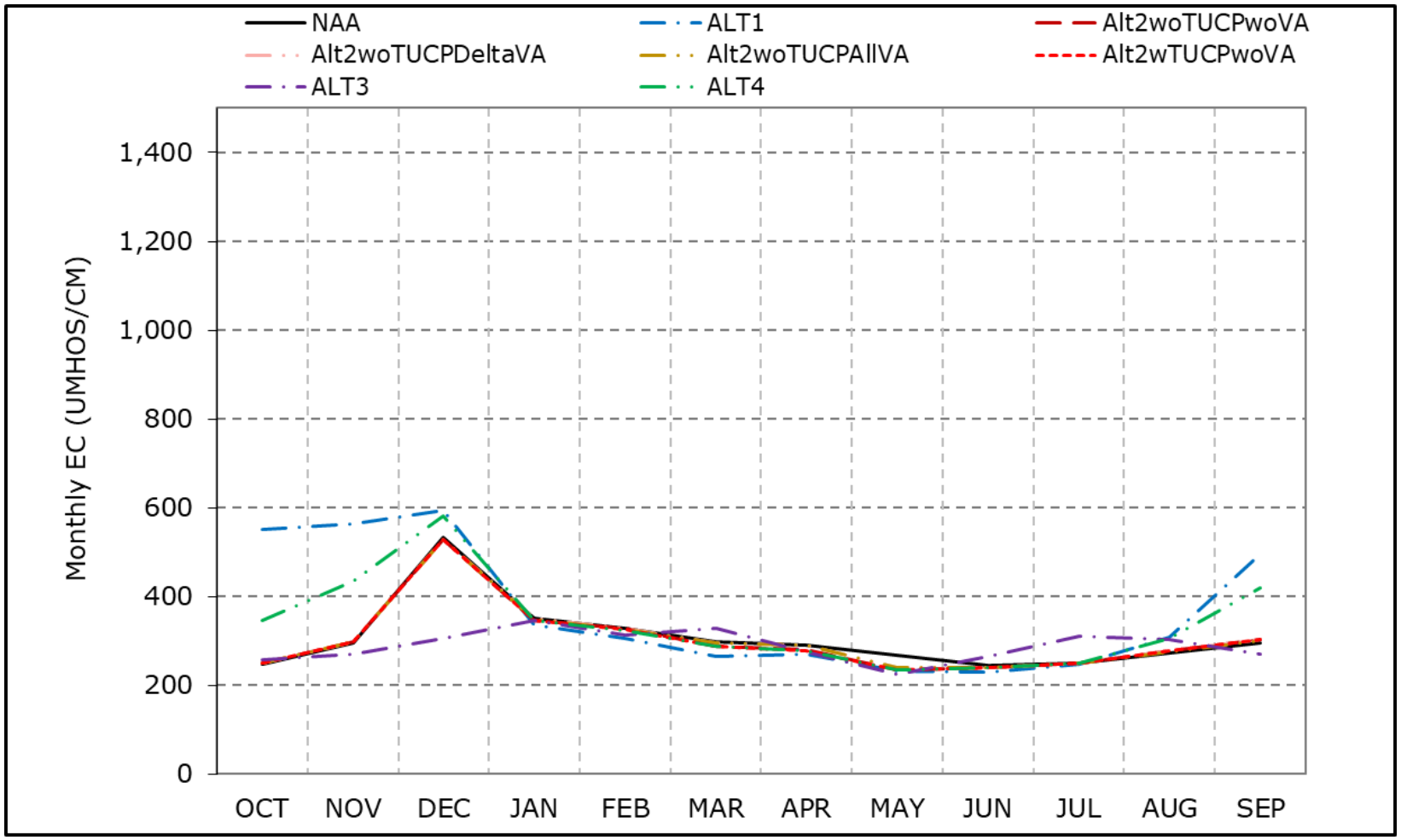
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	19	22	-23	-139	7	43	-29	-24	-15	10	6	-10
20% Exceedance	17	13	5	-116	-28	-10	-18	-35	-2	13	20	9
30% Exceedance	-4	13	18	-43	-18	-7	-25	-33	4	7	1	6
40% Exceedance	-1	2	-6	-40	-15	-7	-21	-30	1	2	13	22
50% Exceedance	2	-4	3	-49	-15	0	-17	-24	-5	0	11	19
60% Exceedance	147	173	59	-7	-12	-1	-16	-33	-5	-1	35	138
70% Exceedance	126	144	75	10	1	-5	-20	-41	-9	2	47	152
80% Exceedance	83	99	36	8	-4	-4	-33	-38	-3	1	39	134
90% Exceedance	74	66	28	7	0	-8	-11	-47	-7	2	34	130
Full Simulation Period Average[a]	45	59	18	-33	-12	-5	-18	-29	-3	1	19	61
Wet Water Years (28%)	98	138	50	-4	-4	-10	-13	-31	-5	0	33	124
Above Normal Years (14%)	90	99	61	-66	-6	-4	-48	-49	-5	2	55	160
Below Normal Years (18%)	8	2	-1	-46	-19	-5	-20	-33	-3	0	7	0
Dry Water Years (24%)	8	9	8	-56	-14	0	-14	-25	1	5	16	22
Critical Water Years (16%)	8	22	-48	-6	-21	-5	-7	-10	-5	-7	-17	-10

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



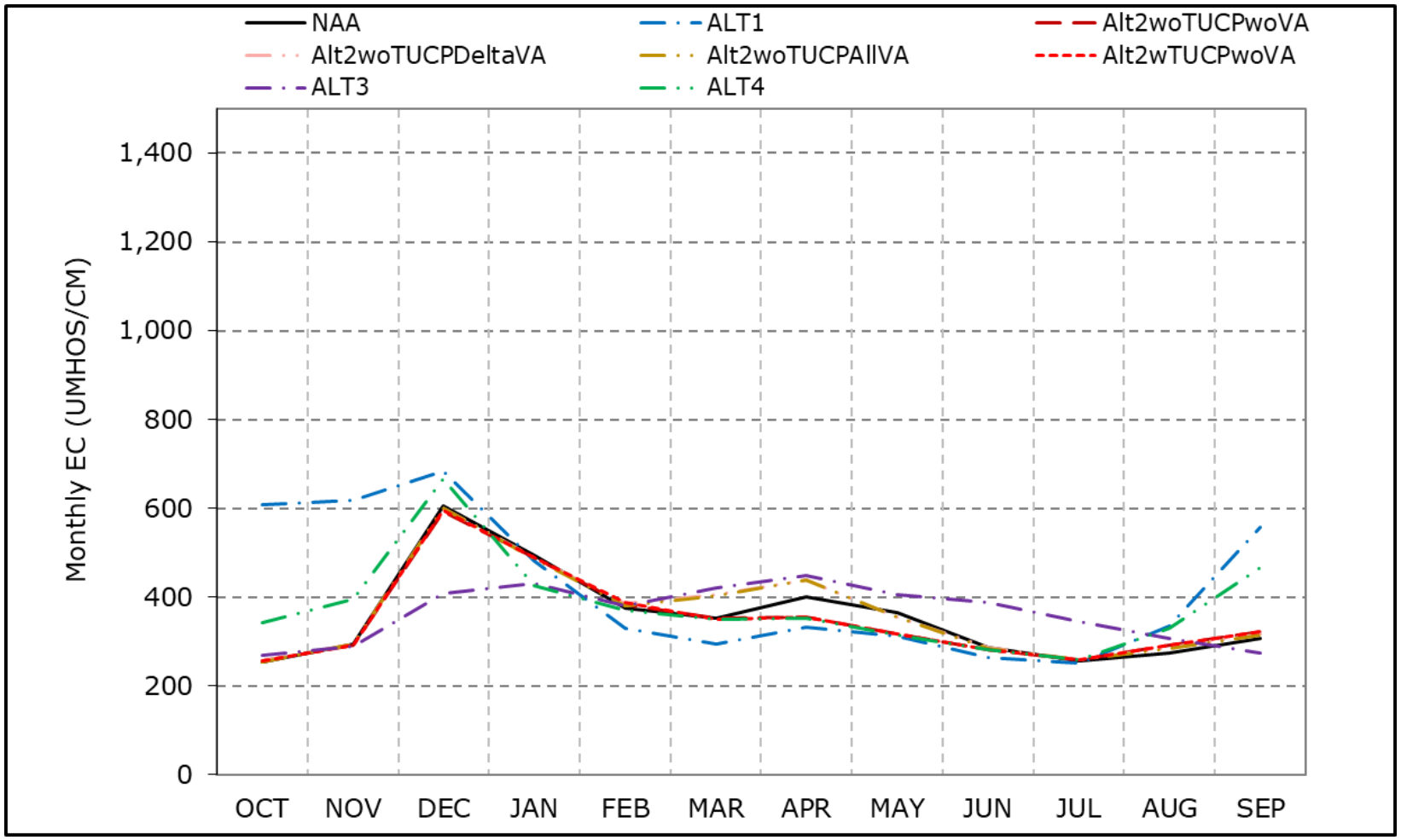
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-18-1. Old River at Highway 4, Long-Term Average Electrical Conductivity



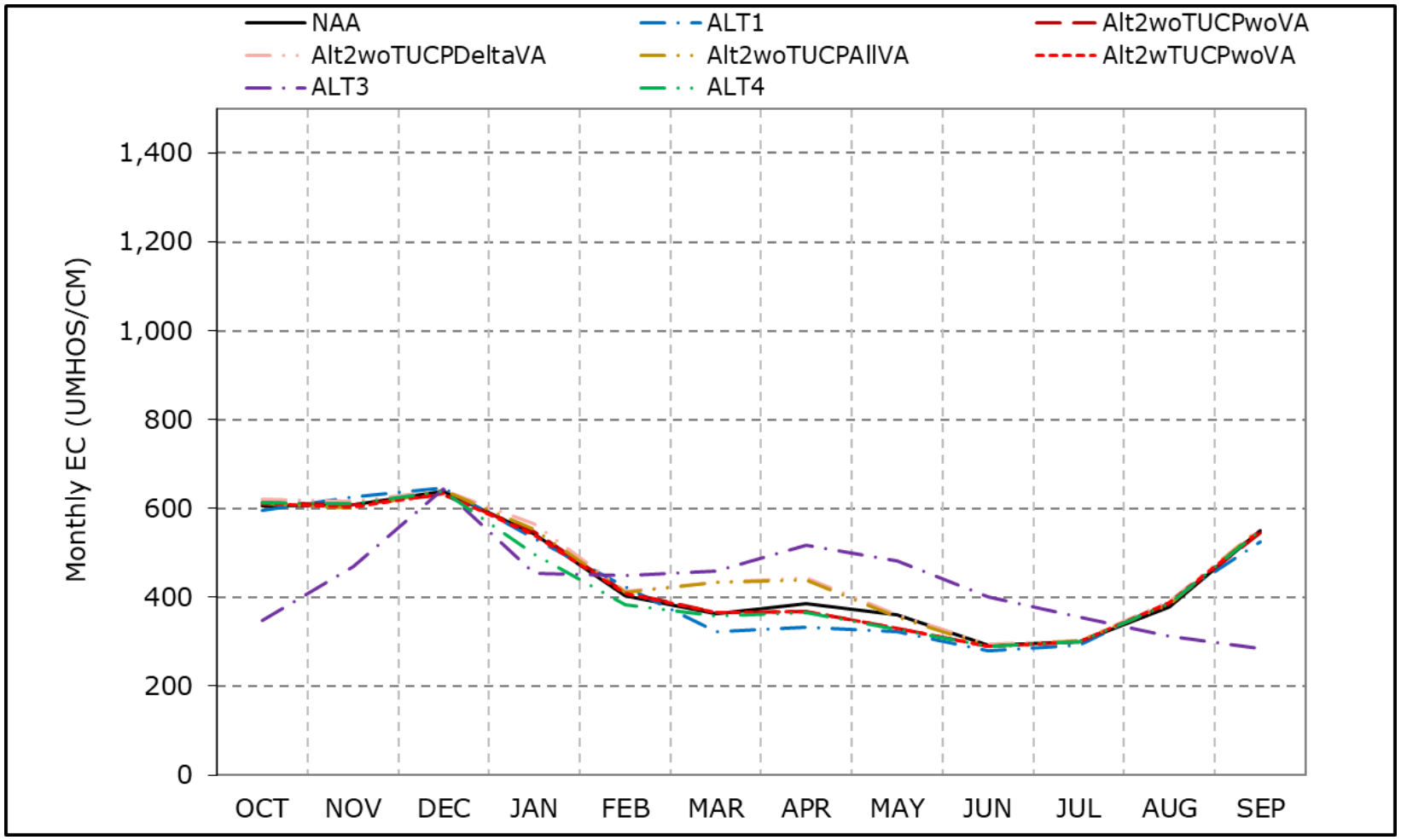
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-18-2. Old River at Highway 4, Wet Year Average Electrical Conductivity



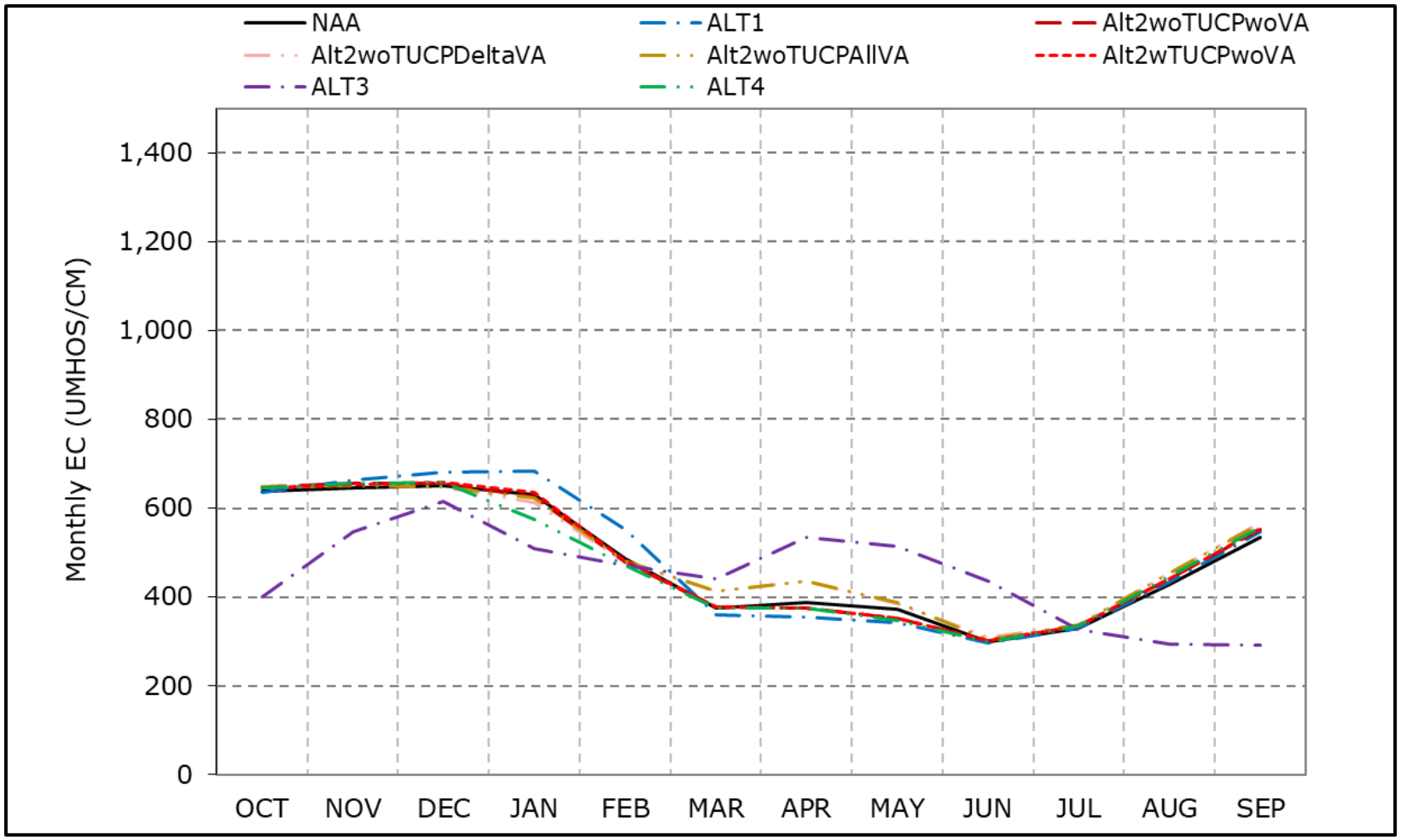
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-18-3. Old River at Highway 4, Above Normal Year Average Electrical Conductivity



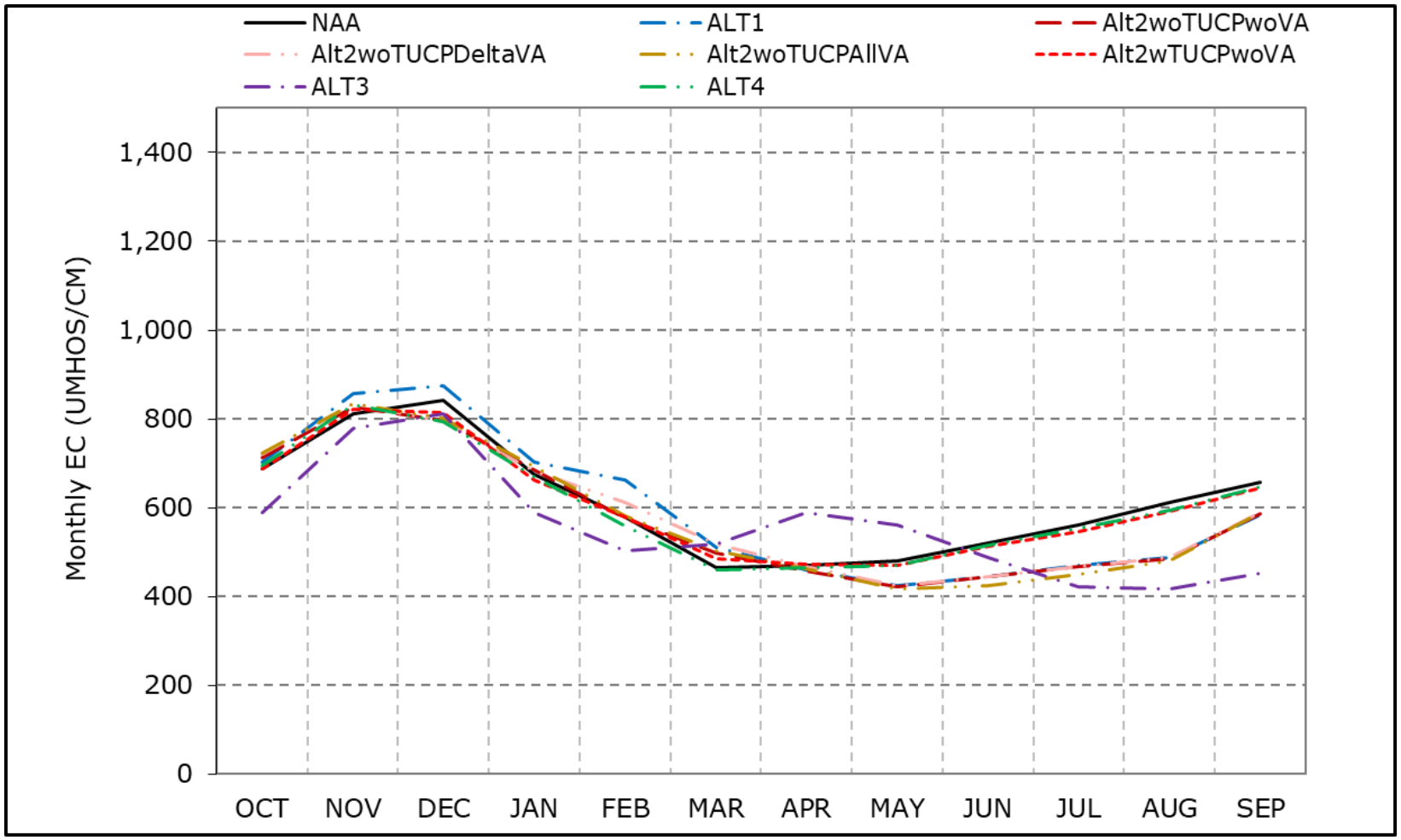
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-18-4. Old River at Highway 4, Below Normal Year Average Electrical Conductivity



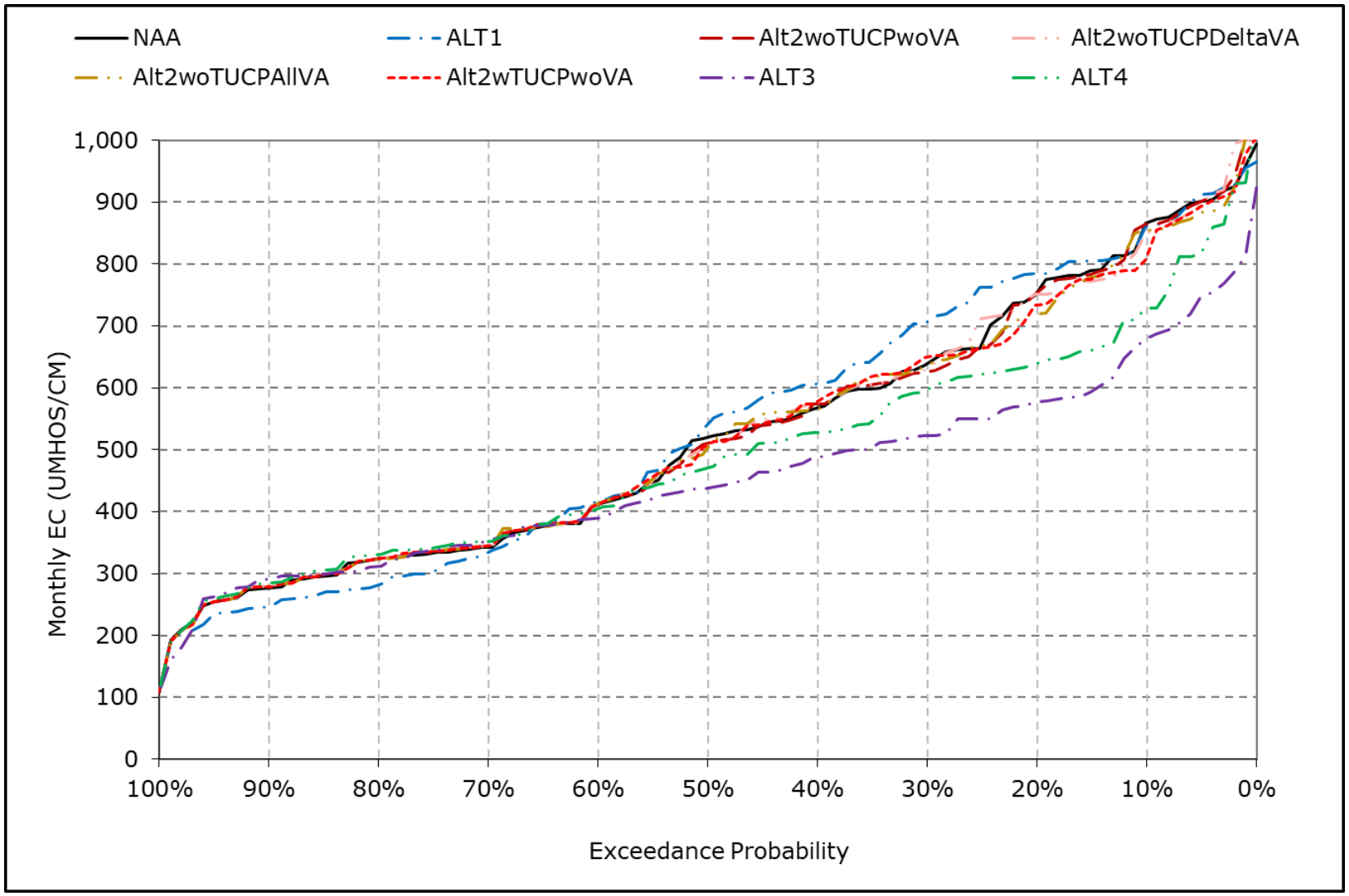
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-18-5. Old River at Highway 4, Dry Year Average Electrical Conductivity



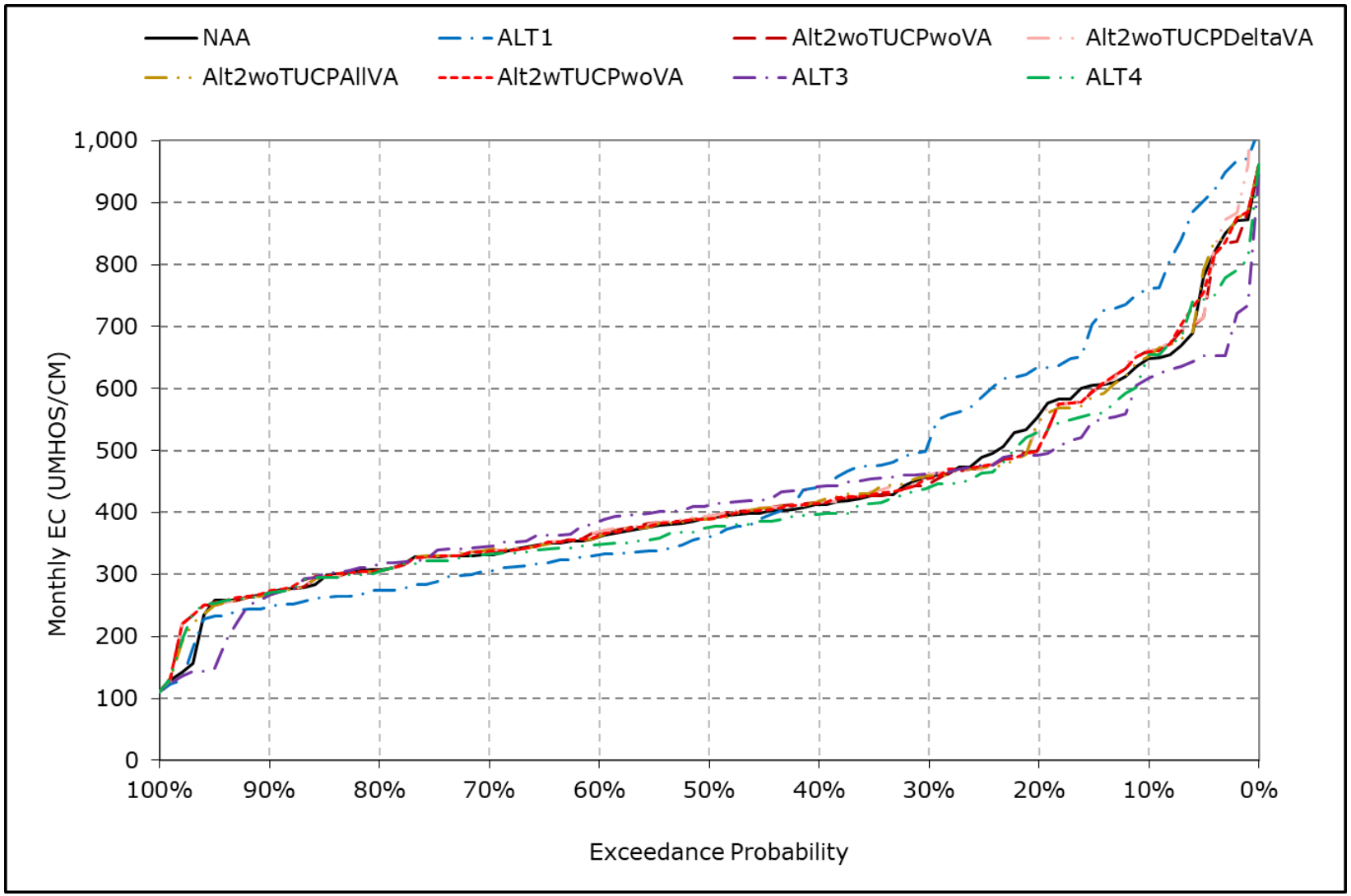
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-18-6. Old River at Highway 4, Critical Year Average Electrical Conductivity



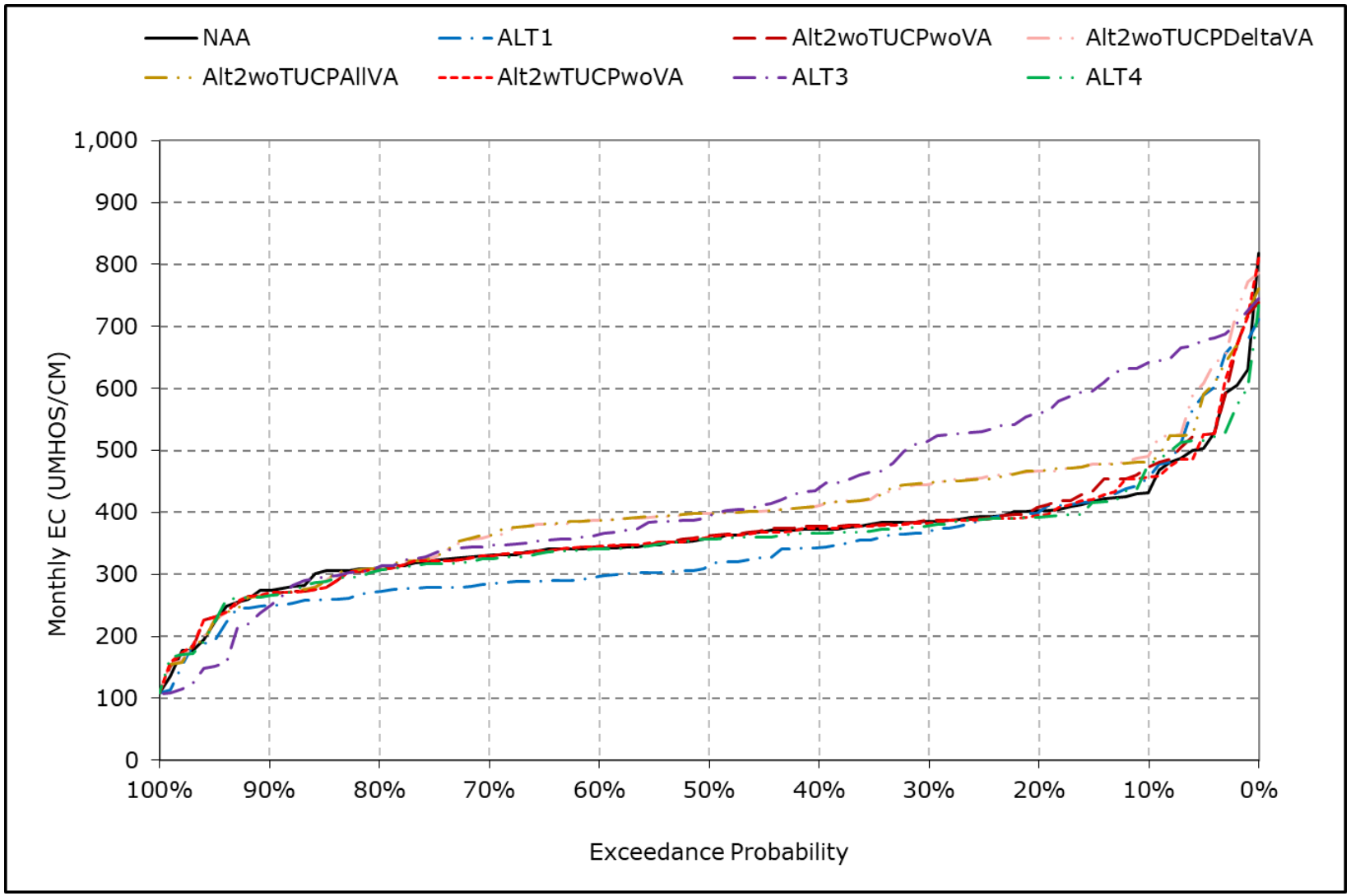
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-18-7. Old River at Highway 4, January Electrical Conductivity



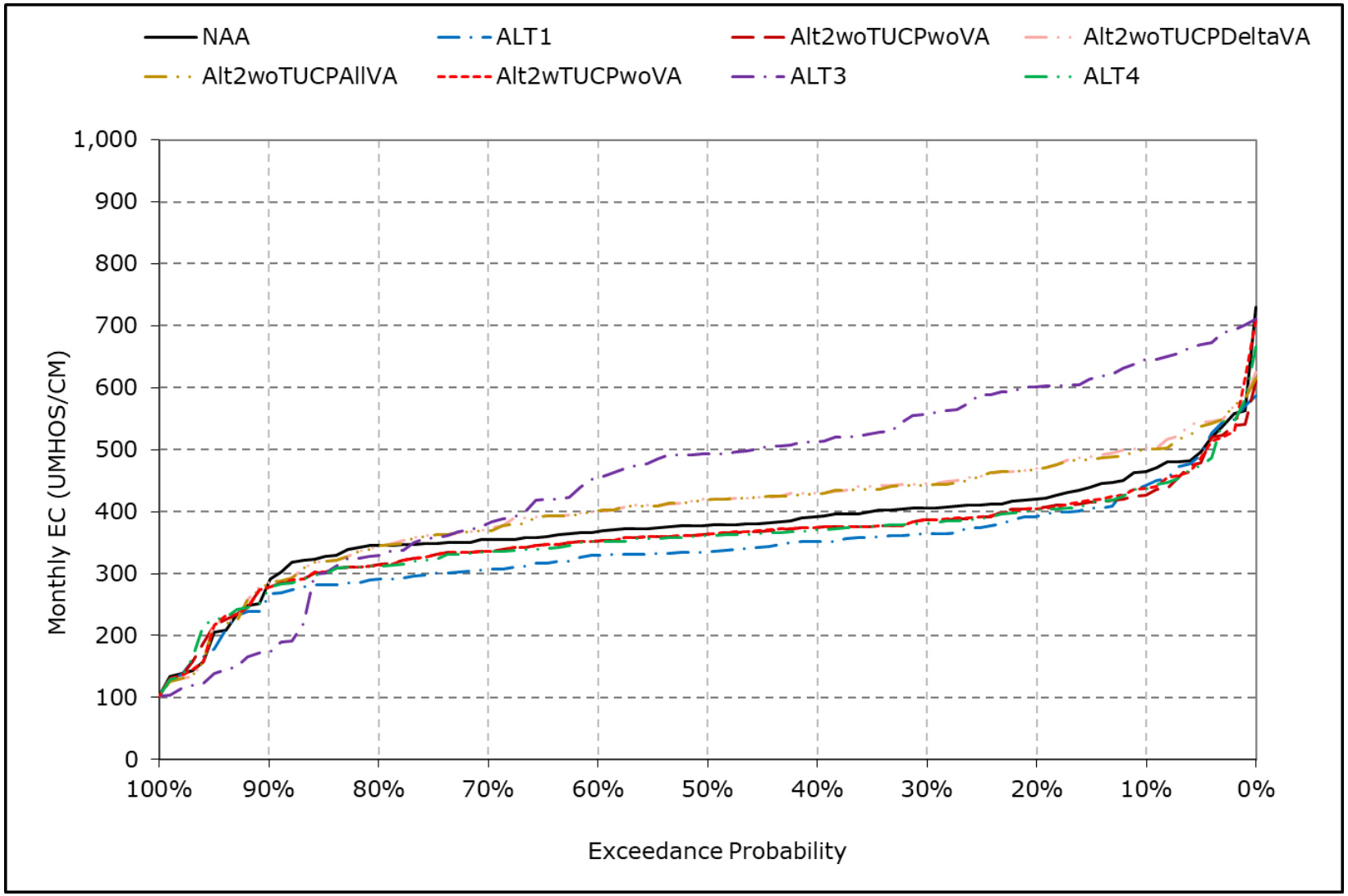
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-18-8. Old River at Highway 4, February Electrical Conductivity



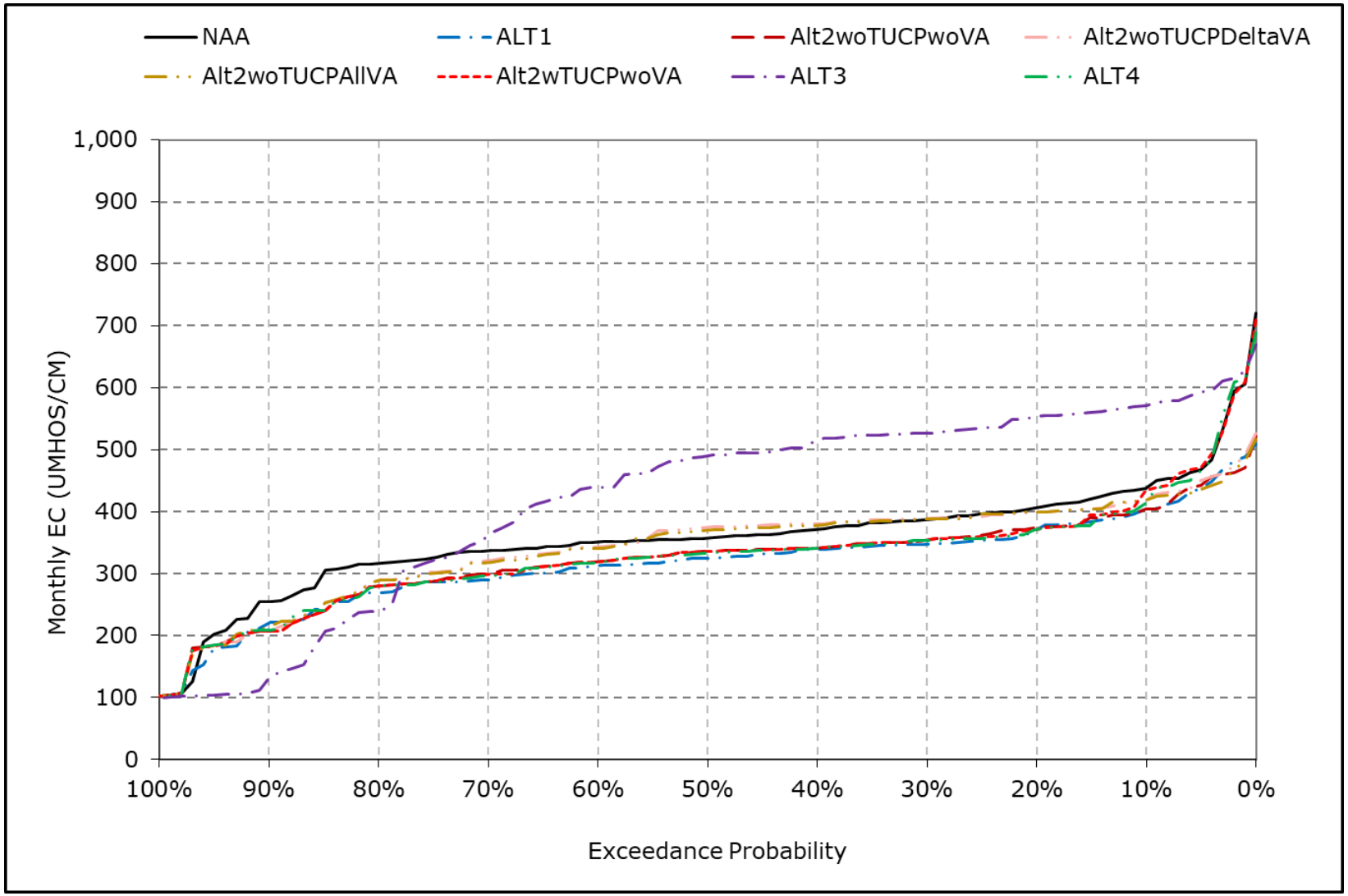
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-18-9. Old River at Highway 4, March Electrical Conductivity



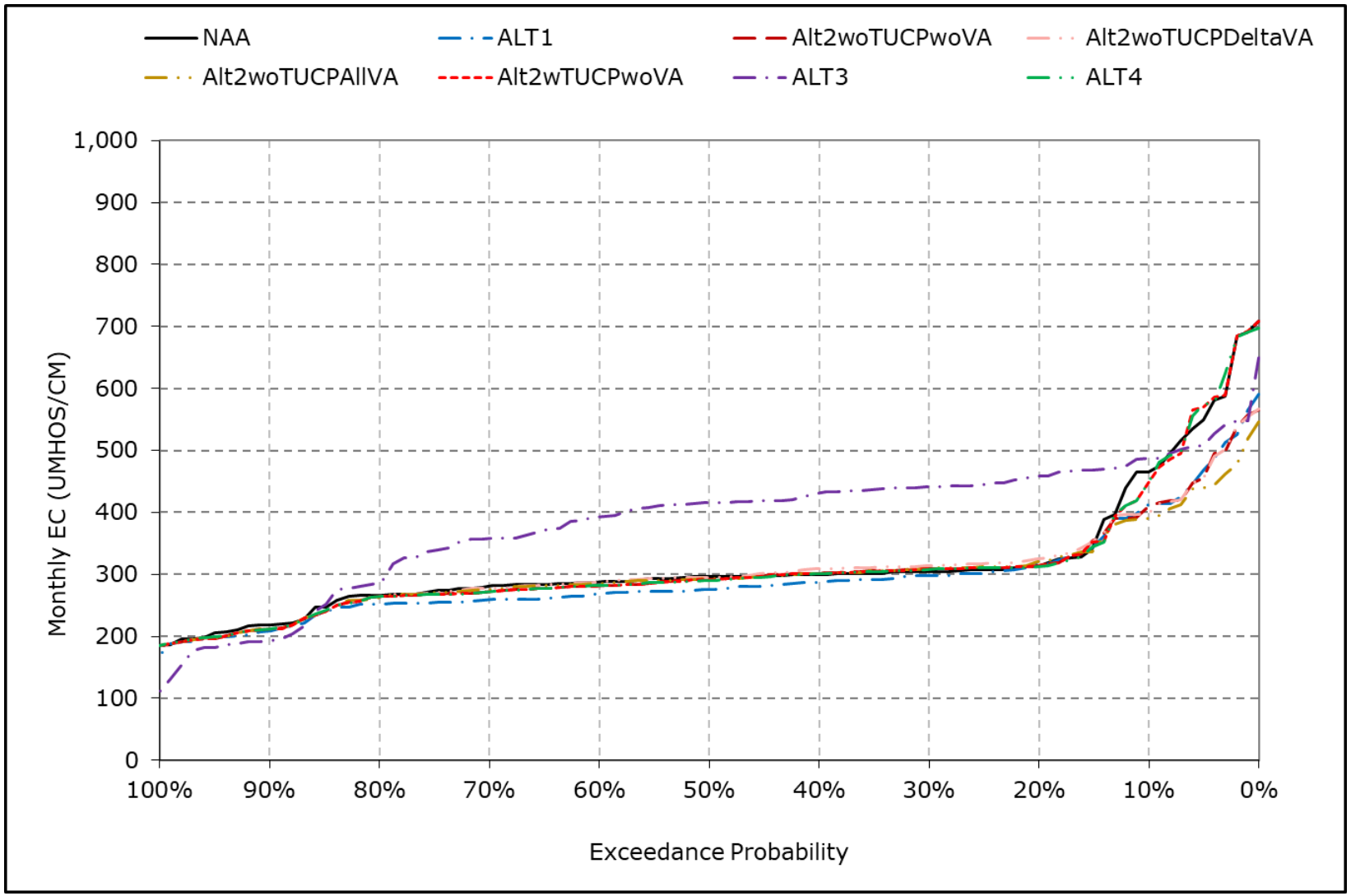
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-18-10. Old River at Highway 4, April Electrical Conductivity



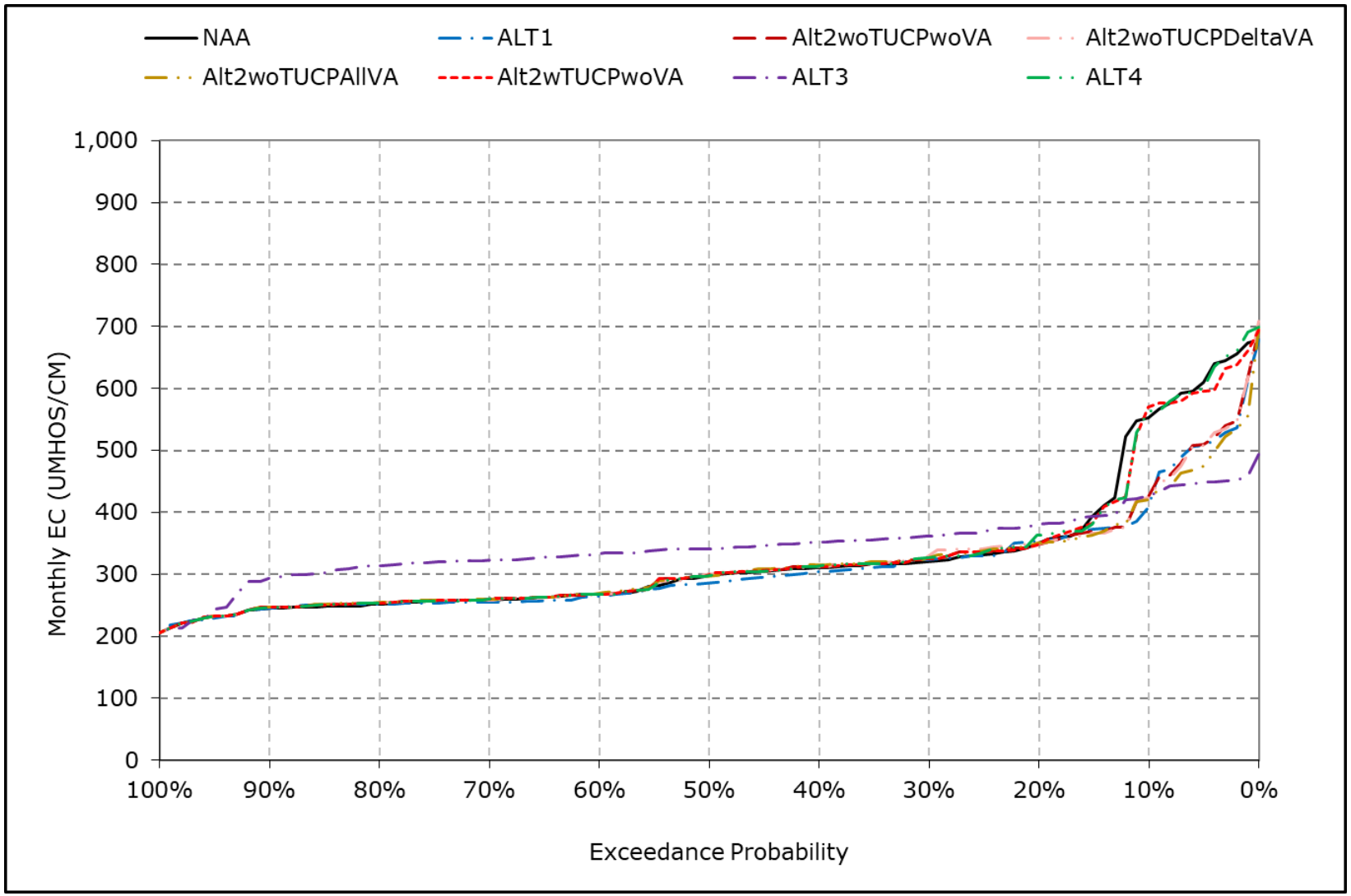
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-18-11. Old River at Highway 4, May Electrical Conductivity



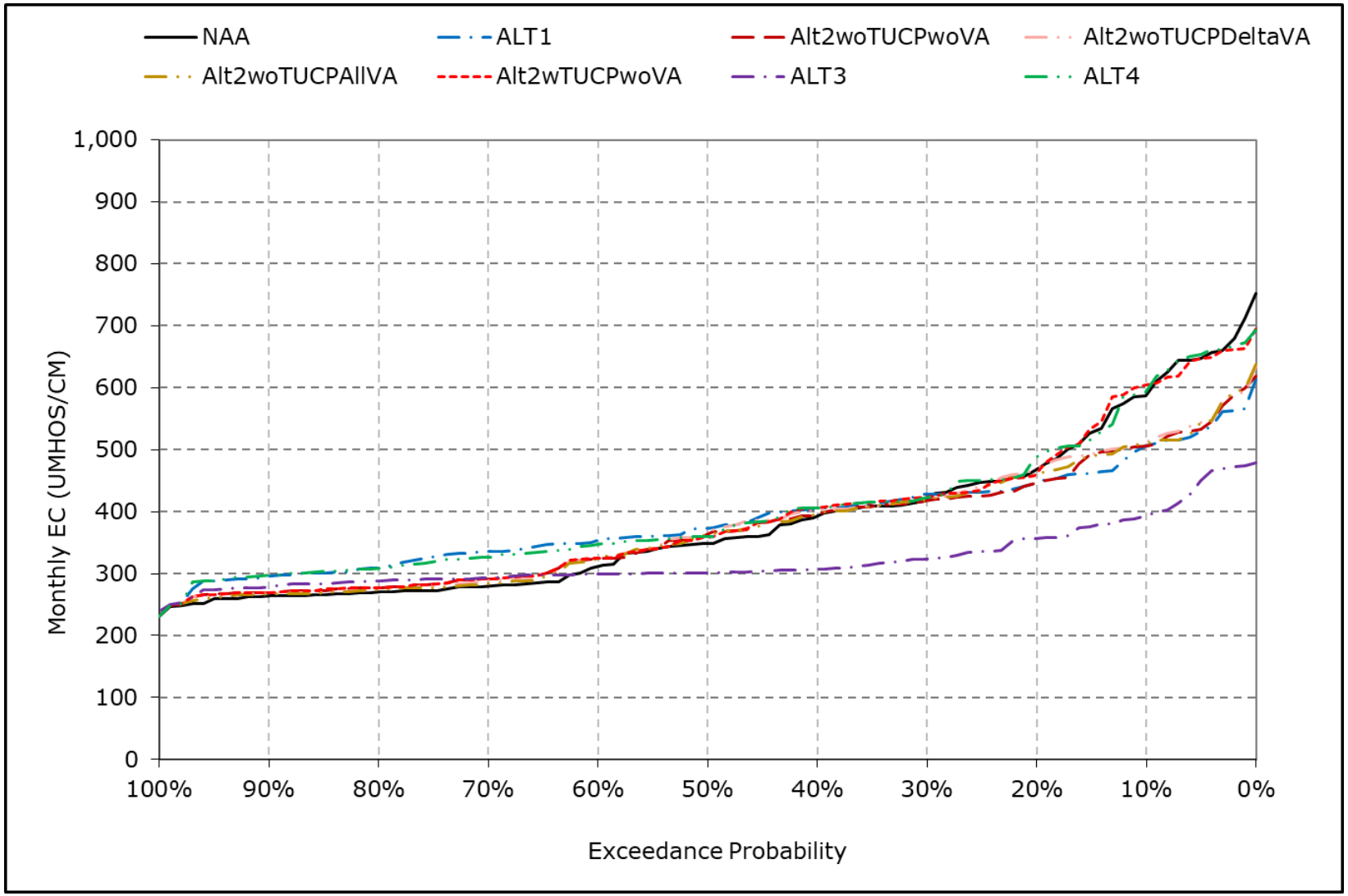
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-18-12. Old River at Highway 4, June Electrical Conductivity



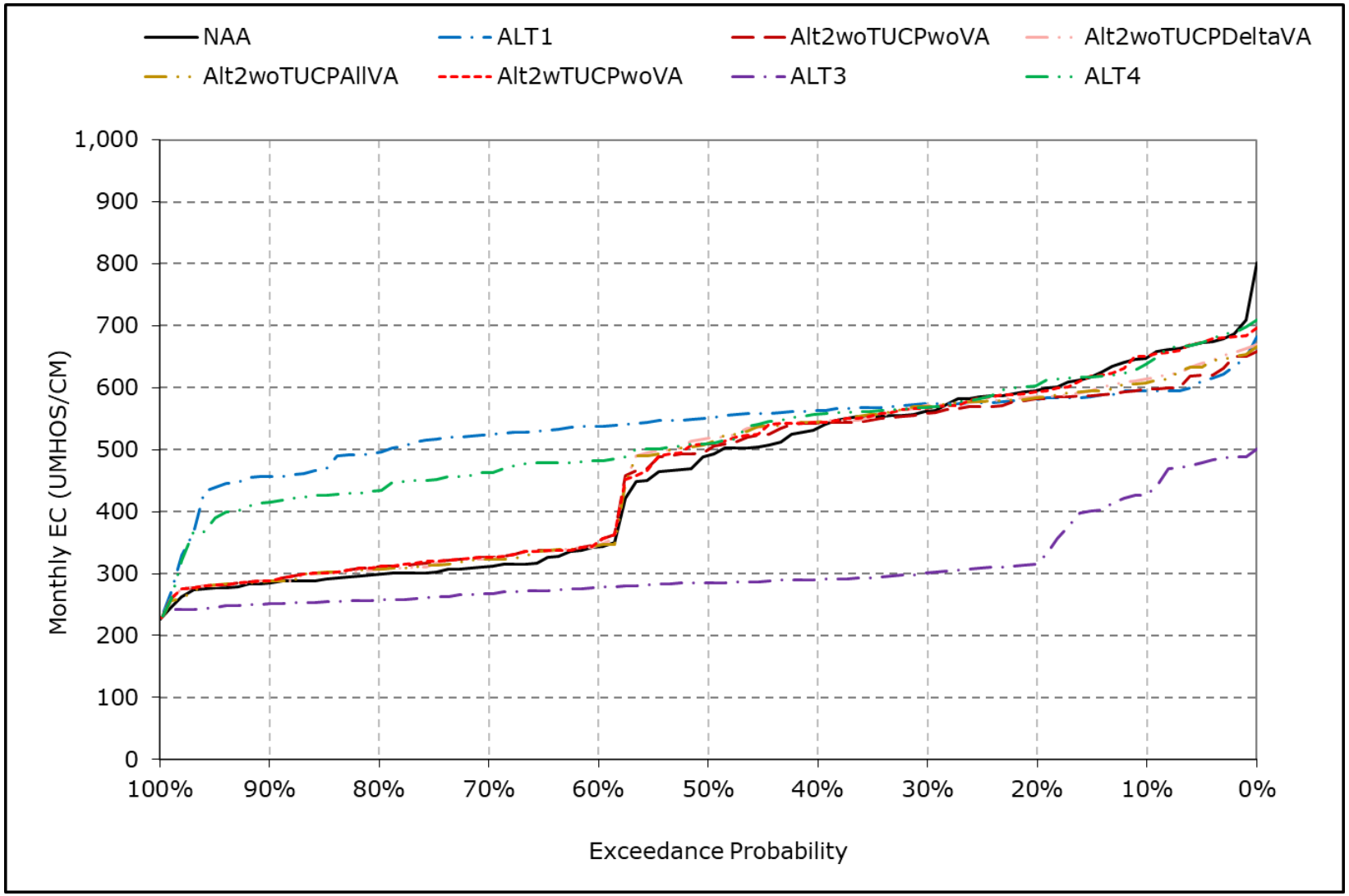
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-18-13. Old River at Highway 4, July Electrical Conductivity



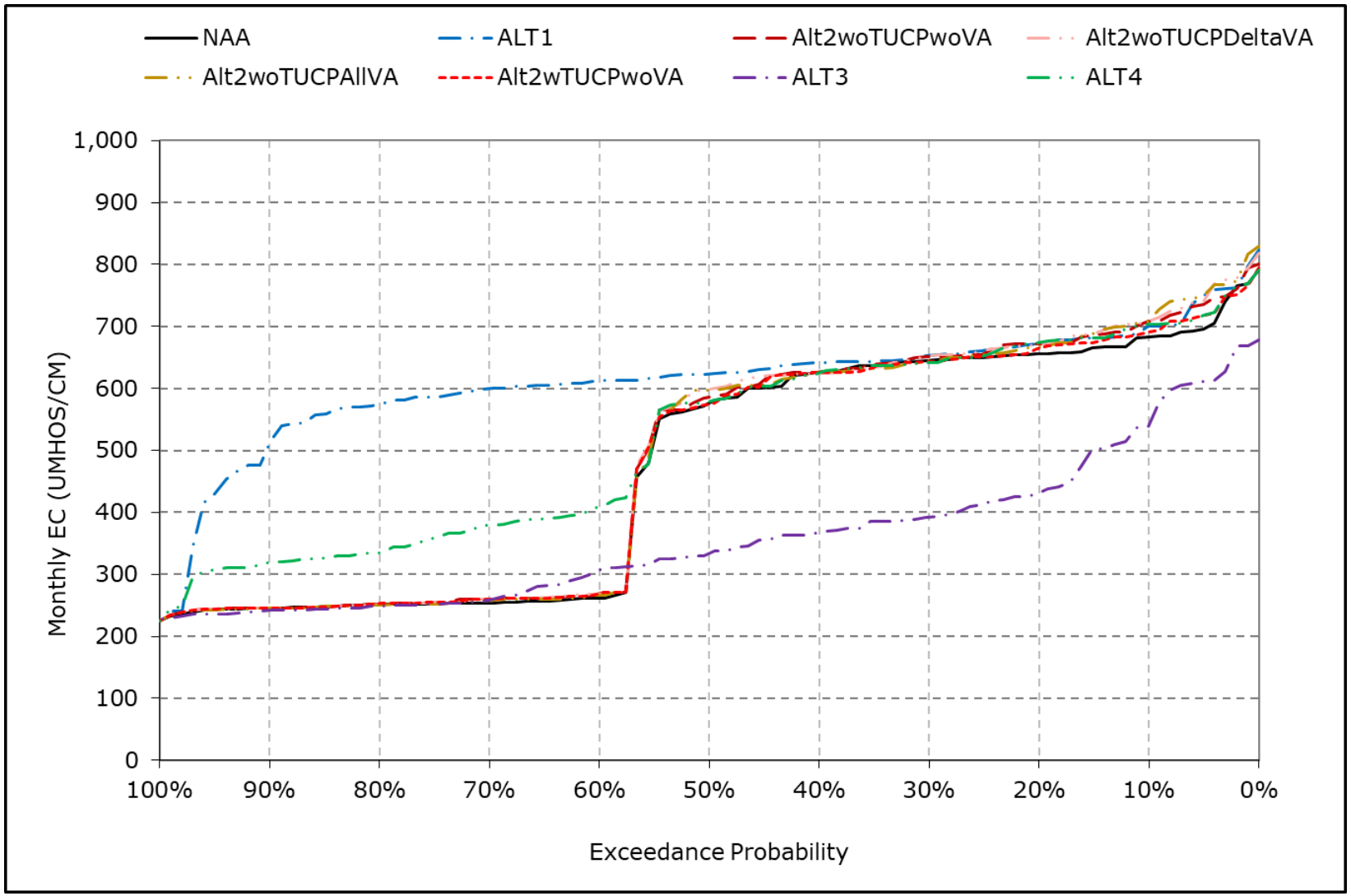
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-18-14. Old River at Highway 4, August Electrical Conductivity



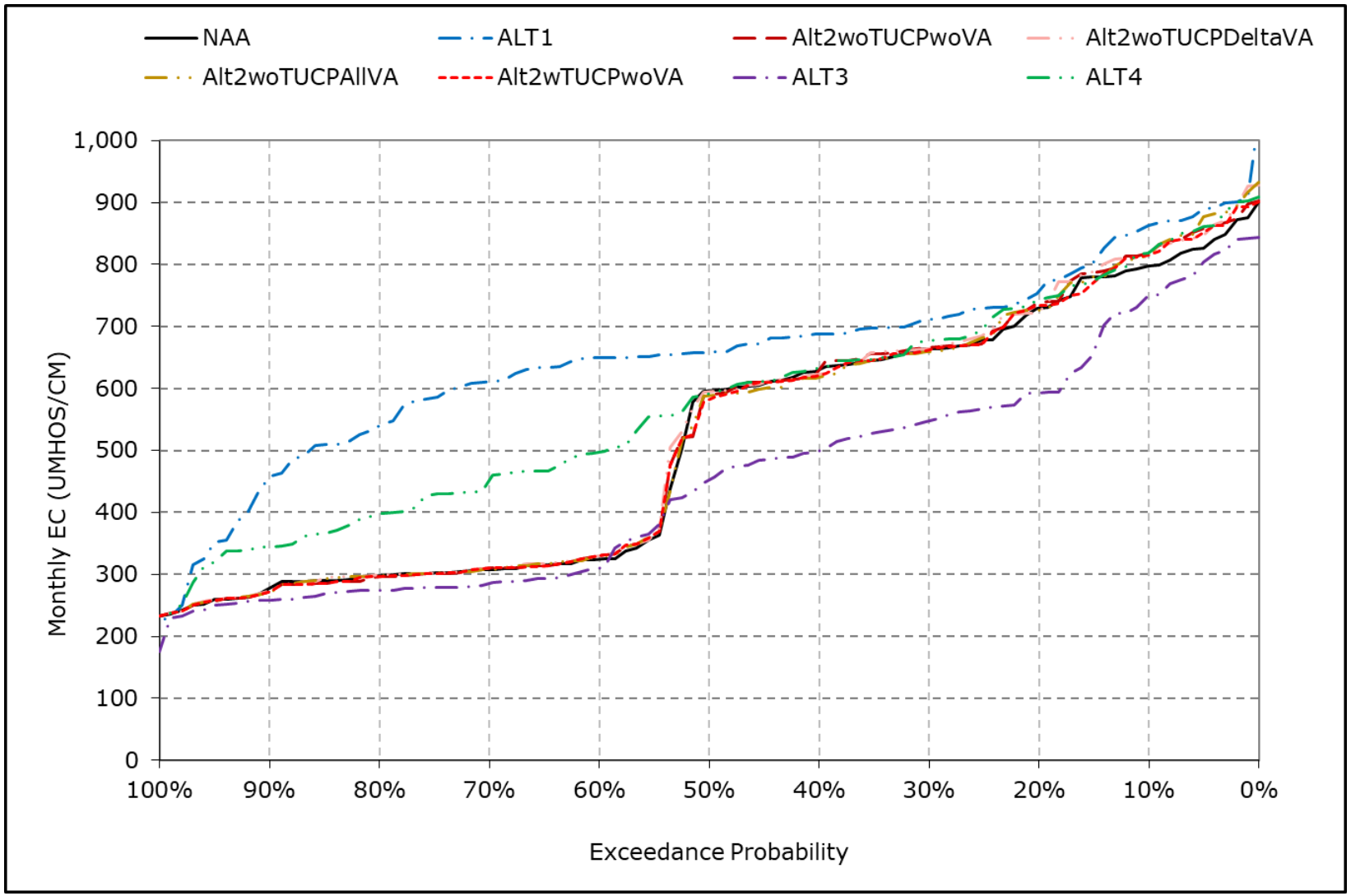
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-18-15. Old River at Highway 4, September Electrical Conductivity



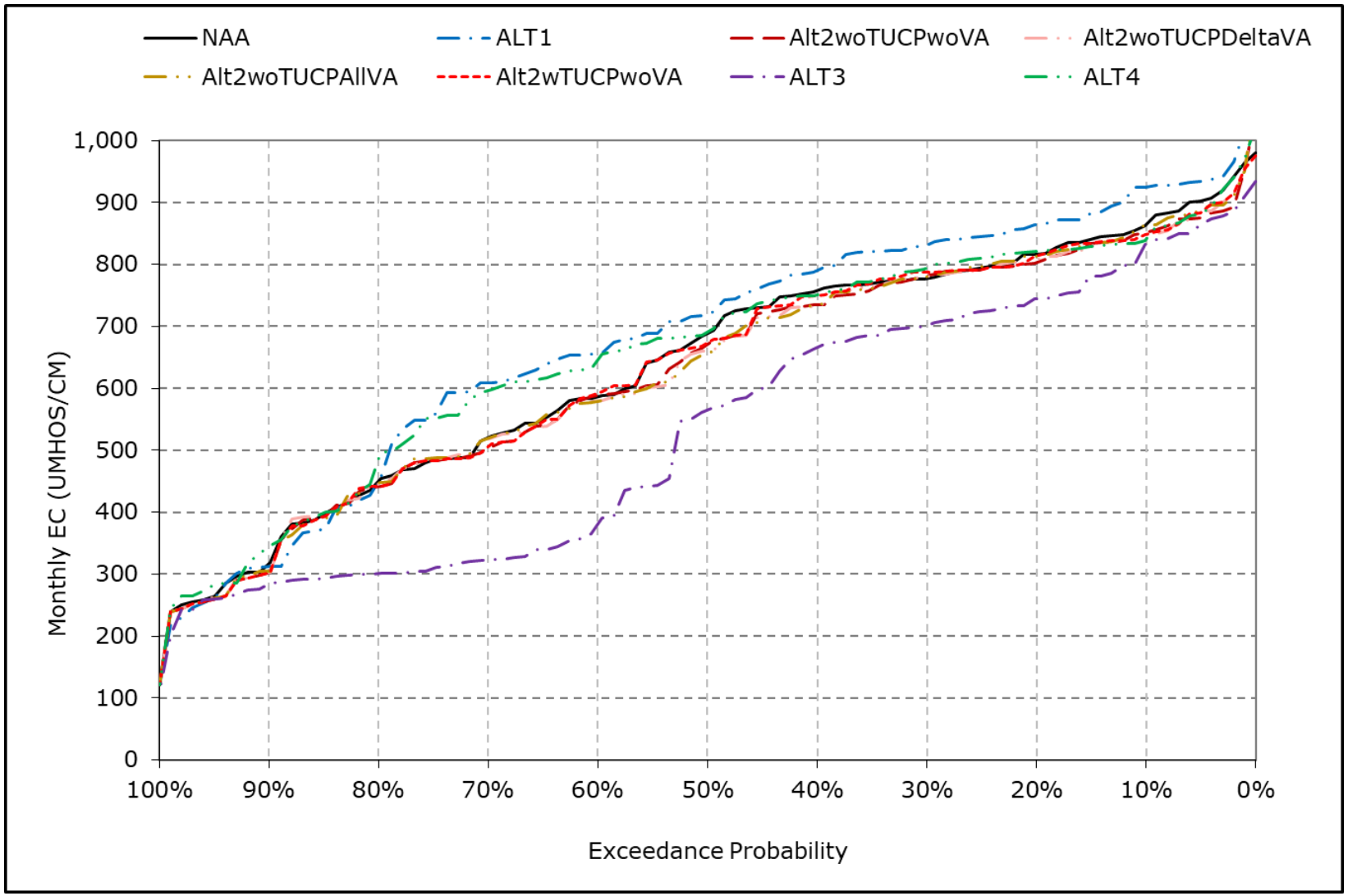
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-18-16. Old River at Highway 4, October Electrical Conductivity



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-18-17. Old River at Highway 4, November Electrical Conductivity



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-18-18. Old River at Highway 4, December Electrical Conductivity

Table F.2.5-19-1a. Victoria Canal, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	530	636	664	686	648	548	537	471	437	474	464	493
20% Exceedance	490	558	644	654	591	505	508	447	352	308	332	387
30% Exceedance	459	491	588	620	544	478	476	431	340	291	321	377
40% Exceedance	433	448	548	577	499	464	463	414	335	285	302	359
50% Exceedance	403	398	517	515	482	453	439	403	330	277	286	346
60% Exceedance	324	323	483	469	458	438	428	388	321	269	276	303
70% Exceedance	308	299	451	424	407	418	408	366	316	265	266	285
80% Exceedance	298	289	418	383	372	388	377	331	293	261	256	278
90% Exceedance	286	281	330	325	322	314	264	206	245	255	241	264
Full Simulation Period Average[a]	394	419	513	515	485	444	428	379	334	306	315	349
Wet Water Years (28%)	296	298	415	413	386	355	313	264	267	273	264	278
Above Normal Years (14%)	302	297	474	527	478	453	458	400	326	265	246	276
Below Normal Years (18%)	427	438	524	524	485	467	461	402	326	271	281	358
Dry Water Years (24%)	460	495	549	559	532	469	463	418	329	283	325	370
Critical Water Years (16%)	526	627	663	606	593	530	512	480	474	475	490	498

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-19-1b. Victoria Canal, Alternative 1, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	518	652	653	630	685	536	495	442	396	378	390	438
20% Exceedance	486	555	614	591	568	478	470	423	350	314	342	399
30% Exceedance	451	495	589	550	504	443	446	405	329	293	323	382
40% Exceedance	429	465	532	518	469	412	434	395	316	283	302	369
50% Exceedance	416	431	506	480	424	393	411	382	310	278	297	358
60% Exceedance	406	417	491	397	393	378	387	363	302	267	287	353
70% Exceedance	400	402	444	355	366	357	368	334	296	262	277	348
80% Exceedance	385	380	401	332	340	333	338	305	286	257	270	340
90% Exceedance	357	346	328	291	294	303	277	192	240	253	266	328
Full Simulation Period Average[a]	428	464	509	462	452	407	398	353	315	295	311	369
Wet Water Years (28%)	375	381	426	369	350	325	299	247	255	272	276	334
Above Normal Years (14%)	398	409	493	455	399	380	406	365	305	260	267	351
Below Normal Years (18%)	415	449	497	446	447	402	412	373	312	269	296	353
Dry Water Years (24%)	453	489	526	521	514	425	430	396	323	287	328	384
Critical Water Years (16%)	531	653	666	558	593	551	503	443	418	406	400	441

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-19-1c. Victoria Canal, Alternative 1 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-12	16	-11	-56	37	-12	-43	-29	-41	-95	-75	-55
20% Exceedance	-4	-3	-30	-62	-22	-27	-38	-24	-3	6	10	12
30% Exceedance	-8	4	1	-70	-40	-35	-30	-26	-11	2	2	5
40% Exceedance	-4	18	-16	-59	-30	-52	-30	-20	-19	-1	0	10
50% Exceedance	12	33	-12	-34	-58	-60	-27	-20	-20	0	11	12
60% Exceedance	82	94	8	-72	-66	-60	-41	-25	-20	-2	11	50
70% Exceedance	92	103	-8	-69	-41	-61	-40	-32	-20	-3	11	63
80% Exceedance	87	92	-17	-51	-32	-56	-40	-26	-7	-4	15	63
90% Exceedance	71	66	-3	-34	-28	-10	13	-14	-6	-2	25	63
Full Simulation Period Average[a]	34	45	-4	-53	-33	-38	-29	-26	-19	-11	-5	20
Wet Water Years (28%)	79	84	11	-44	-37	-30	-14	-17	-12	-1	12	56
Above Normal Years (14%)	95	112	19	-72	-79	-73	-51	-35	-21	-5	20	75
Below Normal Years (18%)	-12	12	-27	-78	-38	-65	-49	-29	-15	-2	15	-4
Dry Water Years (24%)	-6	-6	-23	-38	-18	-44	-34	-22	-6	4	3	15
Critical Water Years (16%)	5	26	3	-47	0	21	-8	-37	-56	-69	-90	-56

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-19-2a. Victoria Canal, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	530	636	664	686	648	548	537	471	437	474	464	493
20% Exceedance	490	558	644	654	591	505	508	447	352	308	332	387
30% Exceedance	459	491	588	620	544	478	476	431	340	291	321	377
40% Exceedance	433	448	548	577	499	464	463	414	335	285	302	359
50% Exceedance	403	398	517	515	482	453	439	403	330	277	286	346
60% Exceedance	324	323	483	469	458	438	428	388	321	269	276	303
70% Exceedance	308	299	451	424	407	418	408	366	316	265	266	285
80% Exceedance	298	289	418	383	372	388	377	331	293	261	256	278
90% Exceedance	286	281	330	325	322	314	264	206	245	255	241	264
Full Simulation Period Average[a]	394	419	513	515	485	444	428	379	334	306	315	349
Wet Water Years (28%)	296	298	415	413	386	355	313	264	267	273	264	278
Above Normal Years (14%)	302	297	474	527	478	453	458	400	326	265	246	276
Below Normal Years (18%)	427	438	524	524	485	467	461	402	326	271	281	358
Dry Water Years (24%)	460	495	549	559	532	469	463	418	329	283	325	370
Critical Water Years (16%)	526	627	663	606	593	530	512	480	474	475	490	498

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-19-2b. Victoria Canal, Alt2woTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	524	652	666	683	659	558	523	446	401	379	405	438
20% Exceedance	501	583	615	653	591	521	491	420	351	310	339	401
30% Exceedance	476	499	587	619	539	481	471	412	336	297	327	381
40% Exceedance	436	451	542	582	514	471	453	396	332	290	300	366
50% Exceedance	413	403	508	522	481	457	436	385	326	279	288	349
60% Exceedance	328	321	478	475	466	442	422	376	319	270	280	311
70% Exceedance	306	300	443	430	400	417	382	339	311	265	272	291
80% Exceedance	298	289	416	377	364	385	355	306	288	262	258	279
90% Exceedance	286	281	326	327	322	306	272	186	240	256	247	267
Full Simulation Period Average[a]	398	426	508	518	489	449	416	356	323	298	306	344
Wet Water Years (28%)	296	298	412	410	384	345	305	246	263	274	266	280
Above Normal Years (14%)	304	296	468	526	489	453	429	368	321	265	252	282
Below Normal Years (18%)	432	441	521	527	492	471	450	380	322	272	287	357
Dry Water Years (24%)	465	500	553	565	538	476	456	403	328	289	333	380
Critical Water Years (16%)	534	655	641	616	594	562	505	444	420	411	407	440

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-19-2c. Victoria Canal, Alt2woTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-6	16	2	-3	10	10	-14	-25	-36	-95	-60	-56
20% Exceedance	12	24	-29	-1	0	16	-18	-27	-1	2	7	15
30% Exceedance	17	8	-1	-1	-5	3	-5	-19	-4	6	6	5
40% Exceedance	3	3	-6	5	15	7	-11	-18	-3	5	-2	7
50% Exceedance	10	5	-9	8	-2	4	-2	-18	-4	2	2	3
60% Exceedance	4	-2	-5	6	8	4	-6	-12	-2	1	4	8
70% Exceedance	-2	1	-8	6	-6	-1	-26	-28	-5	0	5	6
80% Exceedance	0	1	-2	-6	-8	-4	-22	-25	-5	1	3	2
90% Exceedance	0	0	-4	2	0	-7	9	-20	-6	1	6	2
Full Simulation Period Average[a]	4	6	-4	3	4	5	-11	-23	-12	-8	-9	-5
Wet Water Years (28%)	1	1	-2	-3	-3	-9	-8	-18	-4	1	2	3
Above Normal Years (14%)	2	-1	-5	-1	10	1	-29	-32	-5	0	6	6
Below Normal Years (18%)	6	3	-3	3	7	4	-11	-23	-4	1	6	-1
Dry Water Years (24%)	6	6	4	6	6	7	-8	-15	-1	6	7	10
Critical Water Years (16%)	8	28	-21	11	1	33	-7	-37	-54	-63	-83	-58

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-19-3a. Victoria Canal, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	530	636	664	686	648	548	537	471	437	474	464	493
20% Exceedance	490	558	644	654	591	505	508	447	352	308	332	387
30% Exceedance	459	491	588	620	544	478	476	431	340	291	321	377
40% Exceedance	433	448	548	577	499	464	463	414	335	285	302	359
50% Exceedance	403	398	517	515	482	453	439	403	330	277	286	346
60% Exceedance	324	323	483	469	458	438	428	388	321	269	276	303
70% Exceedance	308	299	451	424	407	418	408	366	316	265	266	285
80% Exceedance	298	289	418	383	372	388	377	331	293	261	256	278
90% Exceedance	286	281	330	325	322	314	264	206	245	255	241	264
Full Simulation Period Average[a]	394	419	513	515	485	444	428	379	334	306	315	349
Wet Water Years (28%)	296	298	415	413	386	355	313	264	267	273	264	278
Above Normal Years (14%)	302	297	474	527	478	453	458	400	326	265	246	276
Below Normal Years (18%)	427	438	524	524	485	467	461	402	326	271	281	358
Dry Water Years (24%)	460	495	549	559	532	469	463	418	329	283	325	370
Critical Water Years (16%)	526	627	663	606	593	530	512	480	474	475	490	498

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-19-3b. Victoria Canal, Alt2woTUCPDeltaVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	526	658	656	678	653	621	574	463	399	366	392	433
20% Exceedance	498	576	619	653	606	558	543	445	357	307	340	403
30% Exceedance	476	498	591	600	540	533	515	433	342	297	326	381
40% Exceedance	434	450	541	578	514	516	497	426	338	288	300	369
50% Exceedance	409	407	508	512	483	490	475	419	332	279	288	353
60% Exceedance	326	322	481	475	465	474	448	387	327	271	280	310
70% Exceedance	306	300	443	429	403	436	411	349	315	266	272	290
80% Exceedance	298	289	414	376	366	397	359	320	288	262	257	276
90% Exceedance	286	280	331	327	322	306	279	186	240	255	245	264
Full Simulation Period Average[a]	398	426	508	517	492	480	449	373	326	297	304	344
Wet Water Years (28%)	296	298	414	414	384	354	312	251	263	274	266	279
Above Normal Years (14%)	303	295	472	526	489	498	472	396	326	266	251	278
Below Normal Years (18%)	432	441	524	535	495	534	507	403	326	272	286	360
Dry Water Years (24%)	467	500	548	554	536	513	507	431	338	288	331	384
Critical Water Years (16%)	534	663	636	614	616	577	514	447	420	403	398	437

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-19-3c. Victoria Canal, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-4	22	-8	-8	4	73	37	-8	-38	-107	-73	-60
20% Exceedance	8	18	-25	0	15	53	35	-2	4	-1	8	16
30% Exceedance	17	8	3	-20	-4	55	39	2	2	6	6	4
40% Exceedance	1	2	-7	1	15	51	34	12	3	3	-3	11
50% Exceedance	5	9	-9	-3	1	37	36	16	3	2	1	7
60% Exceedance	2	-1	-2	6	7	36	20	-1	5	2	3	6
70% Exceedance	-2	1	-8	5	-4	17	2	-17	-1	2	6	5
80% Exceedance	0	0	-3	-7	-6	9	-19	-11	-5	1	1	-2
90% Exceedance	0	-1	1	2	0	-7	15	-20	-6	0	4	0
Full Simulation Period Average[a]	4	7	-5	3	7	36	21	-6	-8	-10	-11	-5
Wet Water Years (28%)	0	0	-1	1	-2	0	-1	-13	-4	1	2	1
Above Normal Years (14%)	0	-1	-2	-1	11	45	14	-4	0	1	4	2
Below Normal Years (18%)	6	3	0	11	10	67	46	0	0	1	5	2
Dry Water Years (24%)	7	5	-1	-5	4	44	44	13	8	5	6	14
Critical Water Years (16%)	8	36	-27	9	23	47	2	-33	-54	-72	-92	-61

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-19-4a. Victoria Canal, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	530	636	664	686	648	548	537	471	437	474	464	493
20% Exceedance	490	558	644	654	591	505	508	447	352	308	332	387
30% Exceedance	459	491	588	620	544	478	476	431	340	291	321	377
40% Exceedance	433	448	548	577	499	464	463	414	335	285	302	359
50% Exceedance	403	398	517	515	482	453	439	403	330	277	286	346
60% Exceedance	324	323	483	469	458	438	428	388	321	269	276	303
70% Exceedance	308	299	451	424	407	418	408	366	316	265	266	285
80% Exceedance	298	289	418	383	372	388	377	331	293	261	256	278
90% Exceedance	286	281	330	325	322	314	264	206	245	255	241	264
Full Simulation Period Average[a]	394	419	513	515	485	444	428	379	334	306	315	349
Wet Water Years (28%)	296	298	415	413	386	355	313	264	267	273	264	278
Above Normal Years (14%)	302	297	474	527	478	453	458	400	326	265	246	276
Below Normal Years (18%)	427	438	524	524	485	467	461	402	326	271	281	358
Dry Water Years (24%)	460	495	549	559	532	469	463	418	329	283	325	370
Critical Water Years (16%)	526	627	663	606	593	530	512	480	474	475	490	498

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-19-4b. Victoria Canal, Alt2woTUCPAllVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	525	657	669	677	640	618	572	459	395	362	394	428
20% Exceedance	501	579	609	651	601	559	543	444	352	309	341	402
30% Exceedance	475	492	584	604	545	534	514	434	339	297	328	383
40% Exceedance	434	444	539	576	515	516	502	426	336	290	299	370
50% Exceedance	407	407	520	517	485	491	476	418	330	283	287	354
60% Exceedance	327	319	483	481	464	475	446	386	325	273	281	309
70% Exceedance	305	299	445	434	402	450	406	343	313	268	271	291
80% Exceedance	297	288	415	375	366	397	359	320	289	264	258	278
90% Exceedance	284	279	329	327	323	307	278	186	240	258	245	266
Full Simulation Period Average[a]	397	424	509	518	490	479	448	372	323	296	303	343
Wet Water Years (28%)	295	297	414	412	385	354	311	250	263	275	266	280
Above Normal Years (14%)	302	294	473	525	489	496	471	396	325	269	251	278
Below Normal Years (18%)	431	436	525	529	494	534	503	400	323	275	285	359
Dry Water Years (24%)	466	497	545	560	539	514	508	432	336	290	334	384
Critical Water Years (16%)	533	659	643	622	599	570	513	444	408	392	390	433

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-19-4c. Victoria Canal, Alt2woTUCPAllVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-5	21	5	-9	-9	71	35	-12	-42	-112	-71	-65
20% Exceedance	11	21	-35	-3	11	54	35	-3	0	1	8	15
30% Exceedance	17	1	-4	-16	1	55	38	3	-1	6	7	6
40% Exceedance	1	-4	-8	-1	16	51	38	11	1	5	-3	11
50% Exceedance	3	9	3	2	2	38	38	15	1	5	1	8
60% Exceedance	3	-4	0	12	6	36	17	-2	4	4	5	6
70% Exceedance	-2	-1	-6	10	-5	32	-2	-23	-2	3	5	6
80% Exceedance	-1	-1	-2	-8	-6	9	-19	-11	-4	3	2	0
90% Exceedance	-1	-2	-1	2	1	-7	15	-20	-6	3	4	2
Full Simulation Period Average[a]	3	5	-4	4	6	35	20	-7	-11	-10	-12	-6
Wet Water Years (28%)	-1	-1	-1	0	-2	0	-2	-14	-5	2	2	2
Above Normal Years (14%)	0	-2	-1	-2	11	43	14	-4	-1	4	4	2
Below Normal Years (18%)	5	-1	0	5	9	67	42	-2	-4	4	4	1
Dry Water Years (24%)	7	3	-4	2	7	44	45	14	7	7	8	14
Critical Water Years (16%)	8	32	-19	16	7	41	2	-37	-66	-83	-100	-65

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-19-5a. Victoria Canal, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	530	636	664	686	648	548	537	471	437	474	464	493
20% Exceedance	490	558	644	654	591	505	508	447	352	308	332	387
30% Exceedance	459	491	588	620	544	478	476	431	340	291	321	377
40% Exceedance	433	448	548	577	499	464	463	414	335	285	302	359
50% Exceedance	403	398	517	515	482	453	439	403	330	277	286	346
60% Exceedance	324	323	483	469	458	438	428	388	321	269	276	303
70% Exceedance	308	299	451	424	407	418	408	366	316	265	266	285
80% Exceedance	298	289	418	383	372	388	377	331	293	261	256	278
90% Exceedance	286	281	330	325	322	314	264	206	245	255	241	264
Full Simulation Period Average[a]	394	419	513	515	485	444	428	379	334	306	315	349
Wet Water Years (28%)	296	298	415	413	386	355	313	264	267	273	264	278
Above Normal Years (14%)	302	297	474	527	478	453	458	400	326	265	246	276
Below Normal Years (18%)	427	438	524	524	485	467	461	402	326	271	281	358
Dry Water Years (24%)	460	495	549	559	532	469	463	418	329	283	325	370
Critical Water Years (16%)	526	627	663	606	593	530	512	480	474	475	490	498

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-19-5b. Victoria Canal, Alt2wTUCPwoVA, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	526	632	658	672	651	540	523	449	421	480	488	493
20% Exceedance	495	567	621	644	591	503	491	421	351	310	340	401
30% Exceedance	460	489	584	621	547	480	474	413	336	296	327	381
40% Exceedance	436	444	542	586	504	468	453	396	332	289	299	367
50% Exceedance	412	403	508	522	483	453	436	385	326	278	288	351
60% Exceedance	327	321	478	476	462	437	422	376	319	269	279	311
70% Exceedance	306	300	443	430	401	417	382	338	310	265	272	291
80% Exceedance	298	289	416	377	364	385	355	306	288	261	257	279
90% Exceedance	286	281	327	327	322	306	272	186	240	256	247	267
Full Simulation Period Average[a]	396	421	509	515	488	446	418	361	330	307	319	353
Wet Water Years (28%)	296	298	412	410	384	346	305	246	263	274	266	280
Above Normal Years (14%)	303	296	469	527	487	452	428	367	321	265	252	281
Below Normal Years (18%)	429	436	521	522	490	470	450	378	321	271	285	356
Dry Water Years (24%)	466	500	553	569	540	476	456	403	328	289	333	381
Critical Water Years (16%)	524	628	645	600	590	545	514	474	470	470	485	495

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-19-5c. Victoria Canal, Alt2wTUCPwoVA minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-4	-4	-6	-14	3	-8	-14	-21	-16	7	23	-1
20% Exceedance	5	9	-23	-10	0	-2	-17	-26	-1	2	8	15
30% Exceedance	2	-2	-4	2	3	1	-3	-18	-4	5	6	5
40% Exceedance	3	-4	-6	9	5	4	-11	-18	-3	4	-3	8
50% Exceedance	8	5	-9	7	1	0	-2	-18	-4	1	2	5
60% Exceedance	3	-2	-5	7	4	-1	-7	-12	-2	0	3	8
70% Exceedance	-2	1	-8	6	-6	-1	-26	-28	-5	0	5	6
80% Exceedance	0	1	-2	-6	-8	-4	-23	-25	-5	0	1	1
90% Exceedance	0	0	-4	2	0	-7	9	-20	-6	1	6	3
Full Simulation Period Average[a]	2	1	-4	1	3	2	-10	-19	-4	1	3	3
Wet Water Years (28%)	1	1	-2	-3	-3	-8	-8	-18	-4	1	2	2
Above Normal Years (14%)	1	0	-5	0	9	0	-30	-32	-5	0	5	6
Below Normal Years (18%)	3	-2	-3	-2	5	3	-11	-24	-5	0	4	-1
Dry Water Years (24%)	6	5	4	11	8	7	-8	-15	-1	6	7	11
Critical Water Years (16%)	-1	1	-18	-5	-2	16	2	-6	-4	-5	-5	-3

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-19-6a. Victoria Canal, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	530	636	664	686	648	548	537	471	437	474	464	493
20% Exceedance	490	558	644	654	591	505	508	447	352	308	332	387
30% Exceedance	459	491	588	620	544	478	476	431	340	291	321	377
40% Exceedance	433	448	548	577	499	464	463	414	335	285	302	359
50% Exceedance	403	398	517	515	482	453	439	403	330	277	286	346
60% Exceedance	324	323	483	469	458	438	428	388	321	269	276	303
70% Exceedance	308	299	451	424	407	418	408	366	316	265	266	285
80% Exceedance	298	289	418	383	372	388	377	331	293	261	256	278
90% Exceedance	286	281	330	325	322	314	264	206	245	255	241	264
Full Simulation Period Average[a]	394	419	513	515	485	444	428	379	334	306	315	349
Wet Water Years (28%)	296	298	415	413	386	355	313	264	267	273	264	278
Above Normal Years (14%)	302	297	474	527	478	453	458	400	326	265	246	276
Below Normal Years (18%)	427	438	524	524	485	467	461	402	326	271	281	358
Dry Water Years (24%)	460	495	549	559	532	469	463	418	329	283	325	370
Critical Water Years (16%)	526	627	663	606	593	530	512	480	474	475	490	498

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-19-6b. Victoria Canal, Alternative 3, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	454	588	760	689	700	719	692	588	478	411	376	375
20% Exceedance	379	465	684	654	604	655	643	571	455	384	352	342
30% Exceedance	356	441	621	593	566	599	622	551	443	374	331	311
40% Exceedance	343	422	588	554	532	516	557	534	431	361	326	297
50% Exceedance	336	380	491	508	508	474	531	502	422	350	315	289
60% Exceedance	322	357	426	471	479	444	485	468	408	342	307	283
70% Exceedance	316	339	377	407	448	411	418	353	382	333	297	277
80% Exceedance	303	328	335	379	399	376	349	236	312	323	292	273
90% Exceedance	293	311	311	342	282	247	174	131	222	306	280	268
Full Simulation Period Average[a]	349	409	516	507	500	489	491	432	390	351	322	306
Wet Water Years (28%)	320	326	350	427	372	346	287	228	284	329	334	312
Above Normal Years (14%)	329	355	461	525	486	499	495	423	404	356	323	301
Below Normal Years (18%)	328	384	579	505	555	557	580	507	411	356	314	283
Dry Water Years (24%)	340	432	556	545	568	532	577	532	436	338	290	278
Critical Water Years (16%)	460	614	741	580	571	588	617	562	471	398	361	369

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-19-6c. Victoria Canal, Alternative 3 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-75	-48	96	3	52	171	155	117	41	-62	-89	-118
20% Exceedance	-110	-93	39	0	13	150	135	124	103	76	20	-44
30% Exceedance	-103	-49	33	-26	22	121	146	120	103	83	10	-65
40% Exceedance	-90	-26	40	-23	34	52	94	120	96	76	24	-62
50% Exceedance	-67	-19	-27	-7	26	21	92	99	93	72	29	-57
60% Exceedance	-2	34	-57	2	20	6	56	80	87	73	31	-20
70% Exceedance	8	40	-74	-17	41	-8	9	-13	67	68	31	-8
80% Exceedance	5	39	-82	-4	27	-12	-29	-95	19	63	36	-5
90% Exceedance	7	30	-19	17	-40	-67	-89	-75	-24	51	39	3
Full Simulation Period Average[a]	-46	-10	3	-7	15	45	63	53	56	45	7	-43
Wet Water Years (28%)	24	28	-64	14	-15	-9	-26	-36	17	56	70	34
Above Normal Years (14%)	27	58	-13	-2	8	46	37	23	78	91	77	25
Below Normal Years (18%)	-99	-54	54	-19	70	90	119	105	85	86	33	-75
Dry Water Years (24%)	-119	-63	7	-14	36	63	113	114	107	55	-36	-92
Critical Water Years (16%)	-66	-13	79	-26	-22	58	105	82	-3	-77	-129	-129

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-19-7a. Victoria Canal, No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	530	636	664	686	648	548	537	471	437	474	464	493
20% Exceedance	490	558	644	654	591	505	508	447	352	308	332	387
30% Exceedance	459	491	588	620	544	478	476	431	340	291	321	377
40% Exceedance	433	448	548	577	499	464	463	414	335	285	302	359
50% Exceedance	403	398	517	515	482	453	439	403	330	277	286	346
60% Exceedance	324	323	483	469	458	438	428	388	321	269	276	303
70% Exceedance	308	299	451	424	407	418	408	366	316	265	266	285
80% Exceedance	298	289	418	383	372	388	377	331	293	261	256	278
90% Exceedance	286	281	330	325	322	314	264	206	245	255	241	264
Full Simulation Period Average[a]	394	419	513	515	485	444	428	379	334	306	315	349
Wet Water Years (28%)	296	298	415	413	386	355	313	264	267	273	264	278
Above Normal Years (14%)	302	297	474	527	478	453	458	400	326	265	246	276
Below Normal Years (18%)	427	438	524	524	485	467	461	402	326	271	281	358
Dry Water Years (24%)	460	495	549	559	532	469	463	418	329	283	325	370
Critical Water Years (16%)	526	627	663	606	593	530	512	480	474	475	490	498

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-19-7b. Victoria Canal, Alternative 4, Monthly Electrical Conductivity (UMHOS/CM)

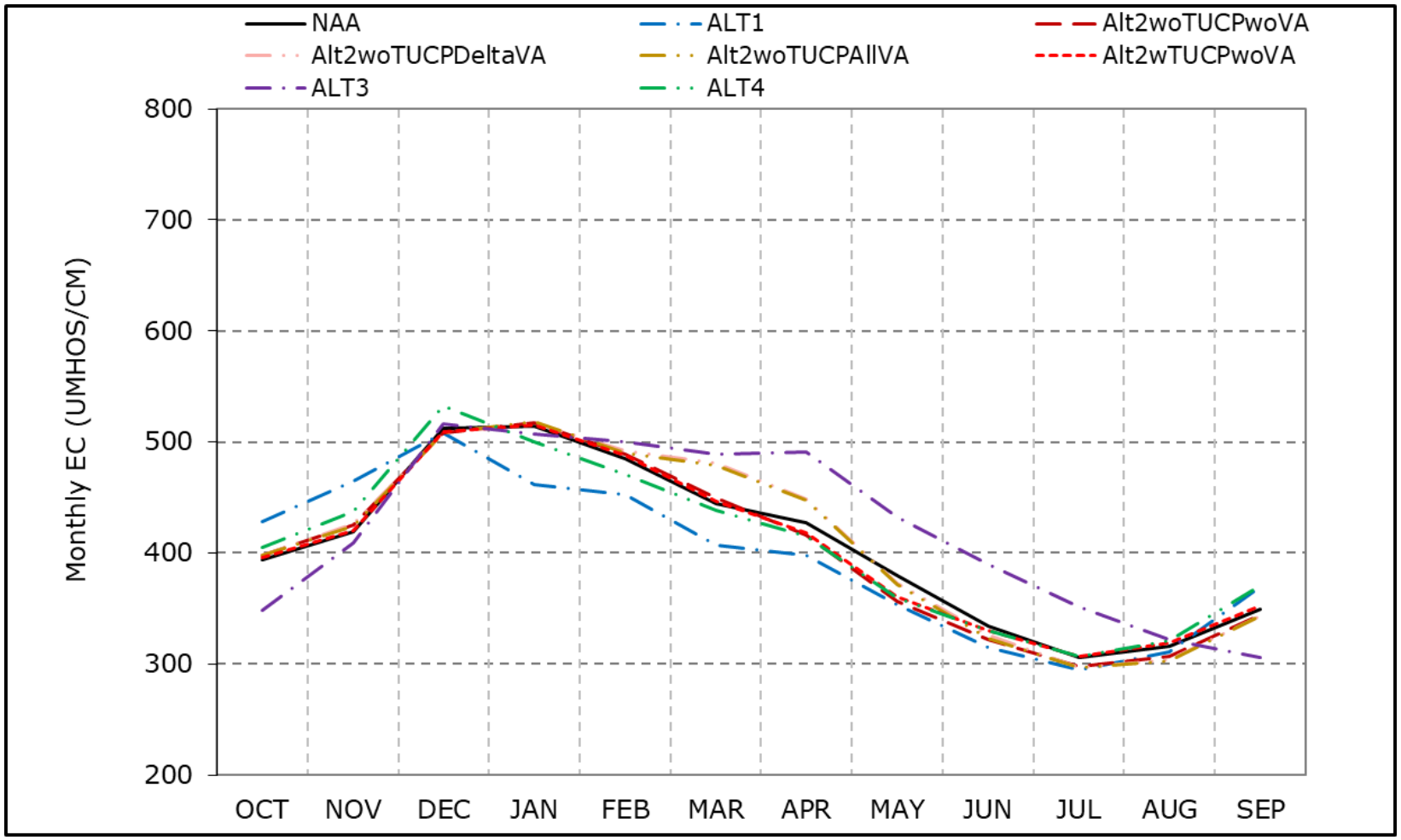
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	524	635	674	660	637	545	522	445	422	487	475	464
20% Exceedance	499	593	639	623	561	502	489	420	345	305	338	398
30% Exceedance	460	491	596	588	525	473	467	413	335	296	327	386
40% Exceedance	437	454	578	529	486	458	452	397	330	287	298	369
50% Exceedance	413	395	548	493	466	448	433	383	325	278	288	356
60% Exceedance	341	350	521	471	431	433	417	376	319	269	282	340
70% Exceedance	329	341	504	440	398	413	376	337	310	265	274	327
80% Exceedance	318	323	446	379	364	373	354	305	288	261	265	322
90% Exceedance	310	316	343	329	317	307	259	186	240	256	254	314
Full Simulation Period Average[a]	405	437	533	500	471	439	415	360	330	307	321	370
Wet Water Years (28%)	315	337	459	415	380	346	303	246	263	273	271	317
Above Normal Years (14%)	328	324	523	497	466	447	425	366	321	265	261	334
Below Normal Years (18%)	429	439	529	504	470	463	448	377	321	270	284	358
Dry Water Years (24%)	465	500	562	528	517	469	453	399	327	287	332	381
Critical Water Years (16%)	526	634	640	604	567	522	506	474	471	475	488	494

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.5-19-7c. Victoria Canal, Alternative 4 minus No Action Alternative, Monthly Electrical Conductivity (UMHOS/CM)

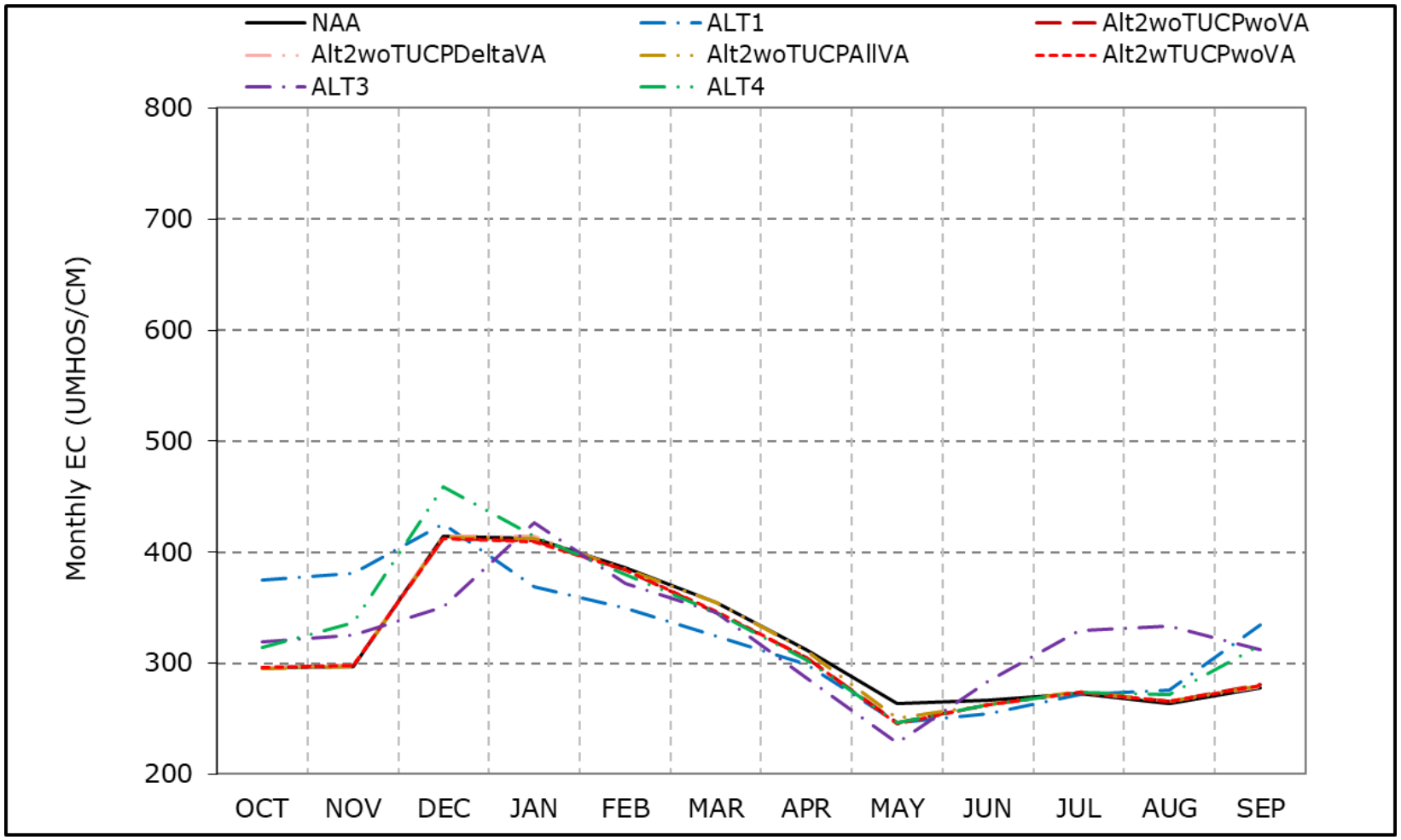
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-6	-1	10	-26	-11	-3	-16	-26	-15	14	11	-30
20% Exceedance	10	35	-5	-31	-30	-3	-19	-27	-7	-3	6	12
30% Exceedance	1	0	8	-31	-19	-5	-9	-18	-5	5	6	9
40% Exceedance	4	6	31	-49	-13	-6	-12	-18	-5	2	-4	11
50% Exceedance	10	-3	31	-21	-16	-5	-5	-20	-4	0	2	9
60% Exceedance	17	28	38	1	-28	-6	-11	-12	-2	0	6	36
70% Exceedance	21	41	53	16	-9	-5	-32	-30	-6	0	8	42
80% Exceedance	20	34	29	-4	-8	-15	-24	-26	-5	0	9	45
90% Exceedance	24	35	13	4	-5	-6	-5	-20	-6	1	13	50
Full Simulation Period Average[a]	11	18	20	-15	-14	-5	-13	-20	-4	1	6	21
Wet Water Years (28%)	19	39	44	2	-6	-9	-9	-18	-4	0	8	39
Above Normal Years (14%)	25	28	49	-30	-12	-6	-33	-33	-5	0	15	58
Below Normal Years (18%)	3	1	5	-20	-15	-4	-13	-25	-5	-1	3	1
Dry Water Years (24%)	5	5	13	-30	-15	0	-10	-19	-2	4	7	11
Critical Water Years (16%)	0	7	-23	-1	-26	-7	-5	-6	-3	0	-2	-4

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



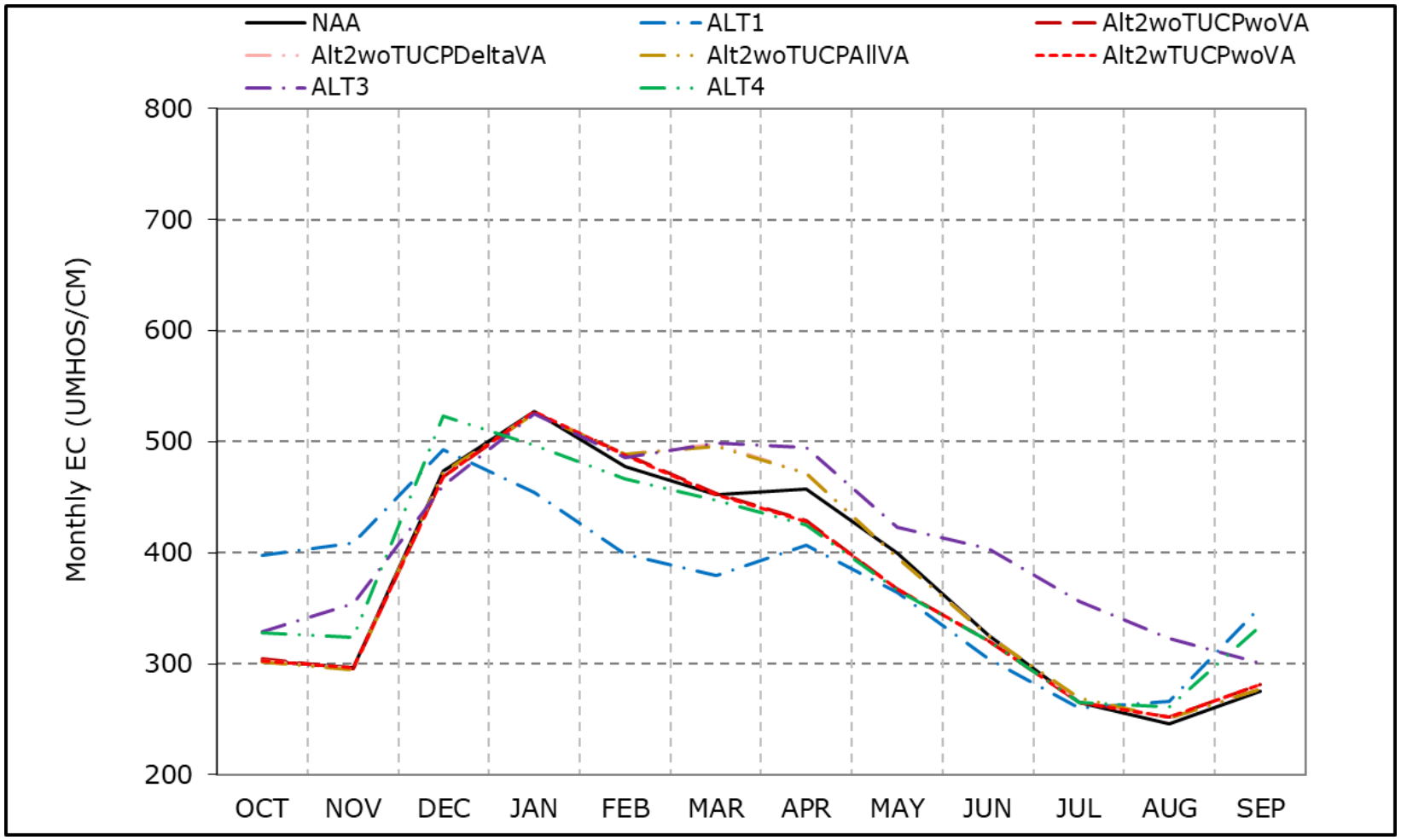
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-19-1. Victoria Canal, Long-Term Average Electrical Conductivity



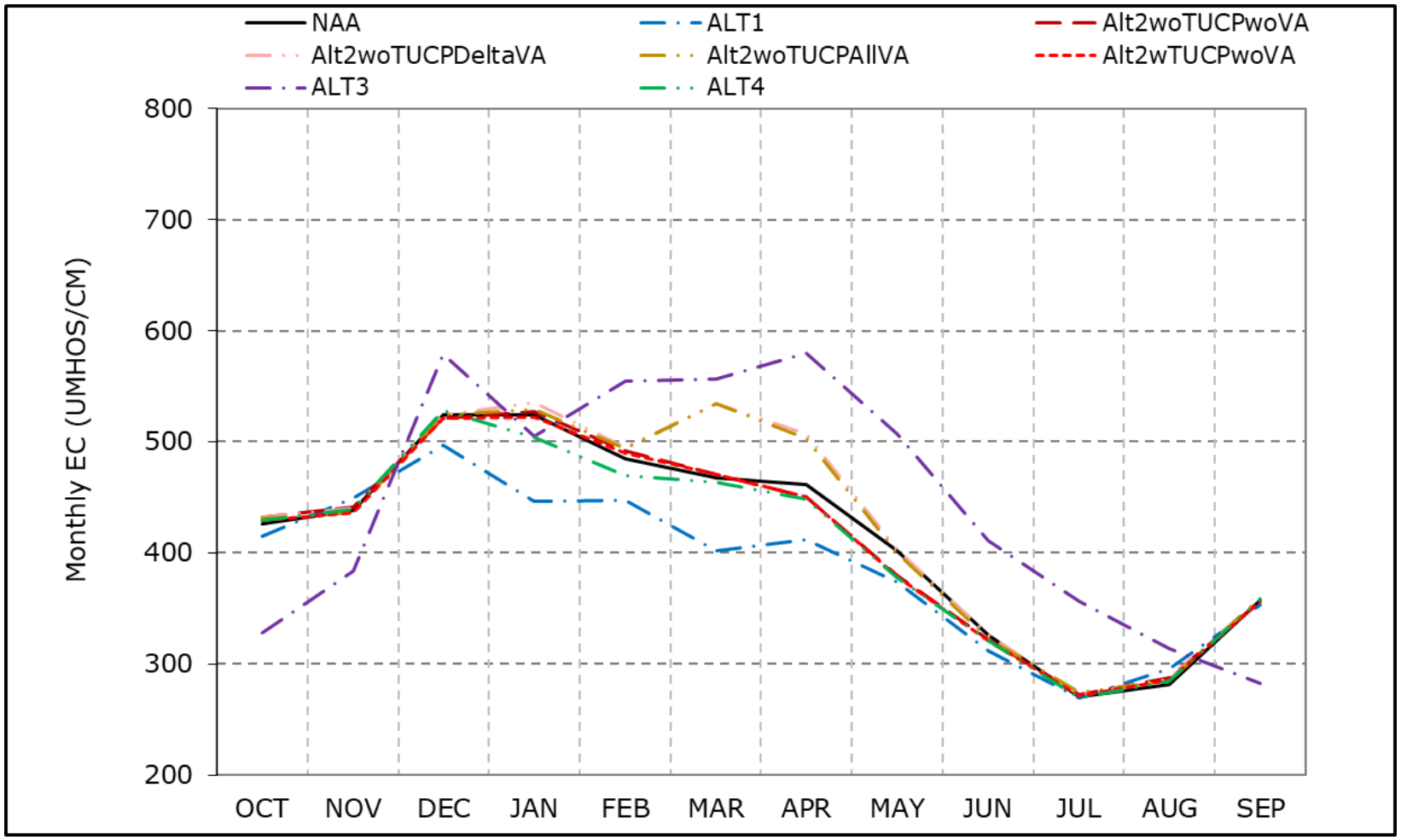
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-19-2. Victoria Canal, Wet Year Average Electrical Conductivity



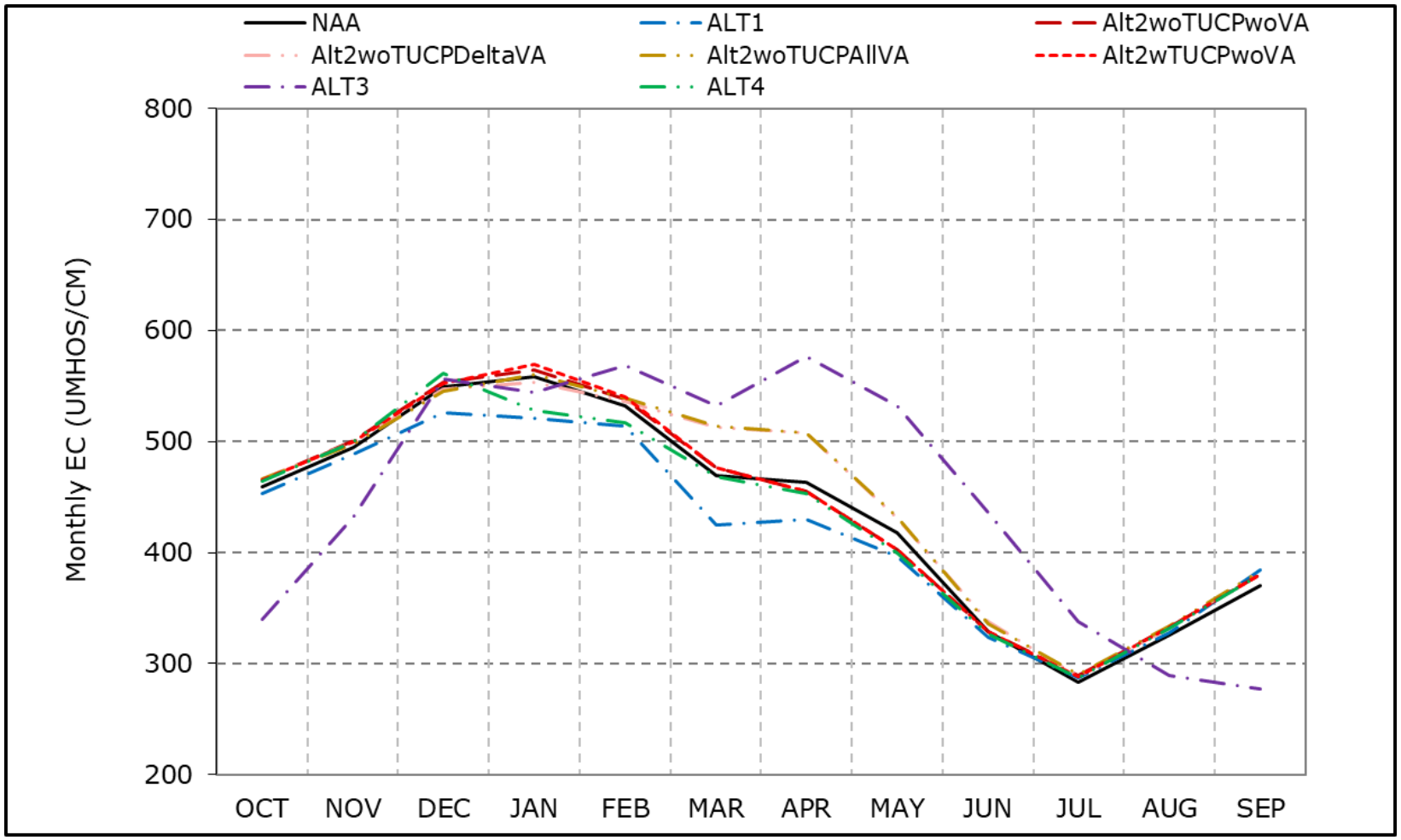
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-19-3. Victoria Canal, Above Normal Year Average Electrical Conductivity



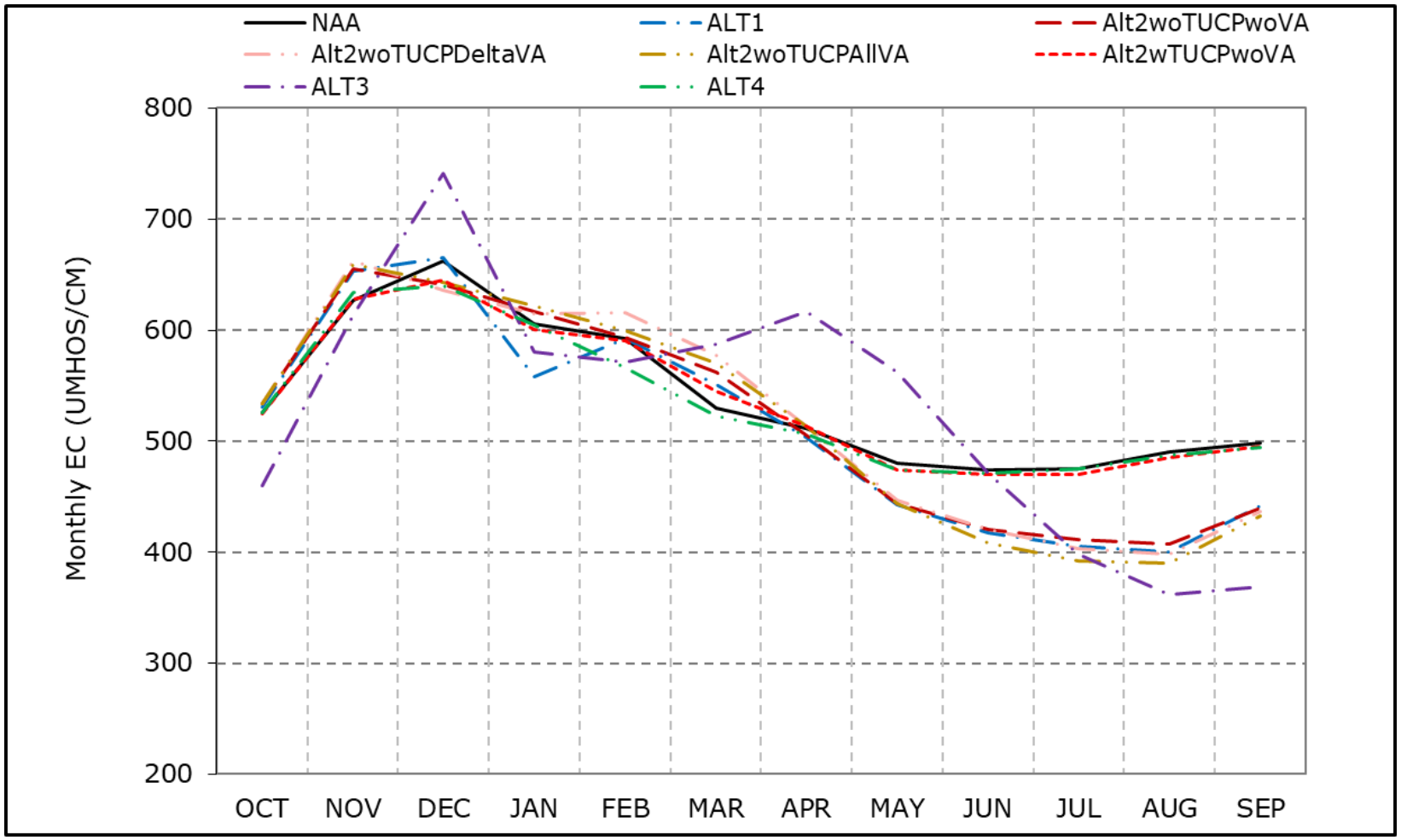
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-19-4. Victoria Canal, Below Normal Year Average Electrical Conductivity



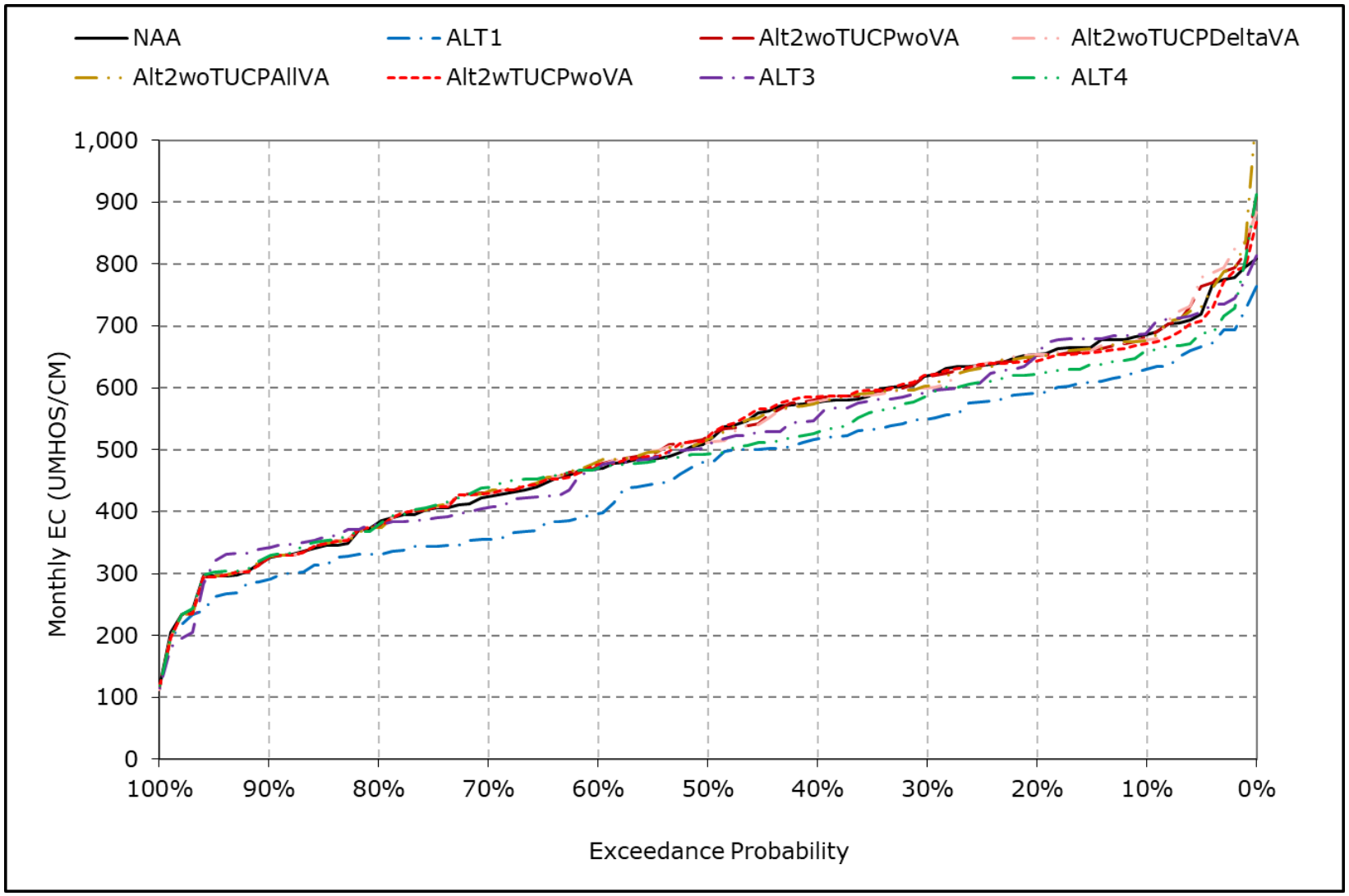
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-19-5. Victoria Canal, Dry Year Average Electrical Conductivity



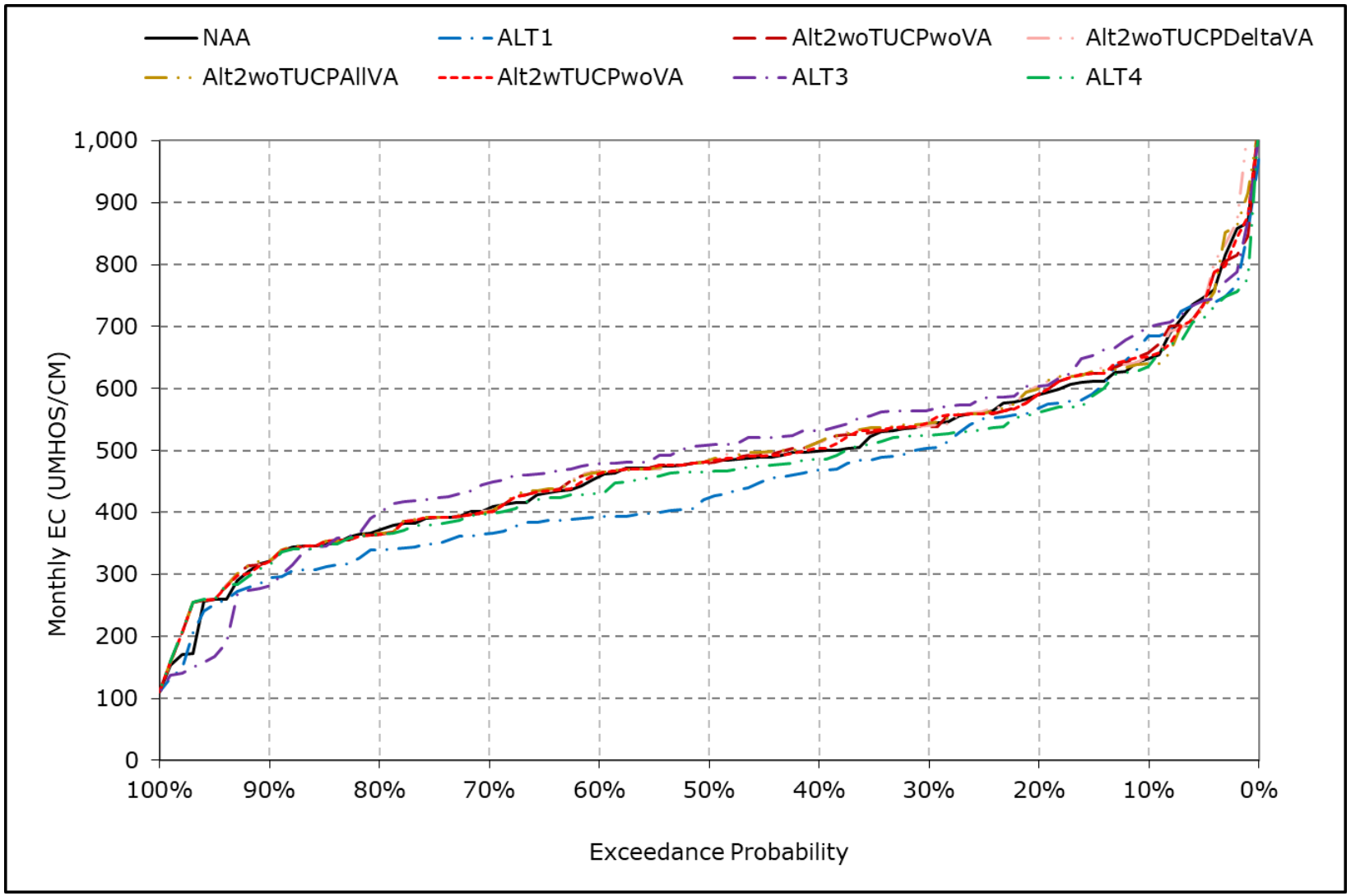
As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-19-6. Victoria Canal, Critical Year Average Electrical Conductivity



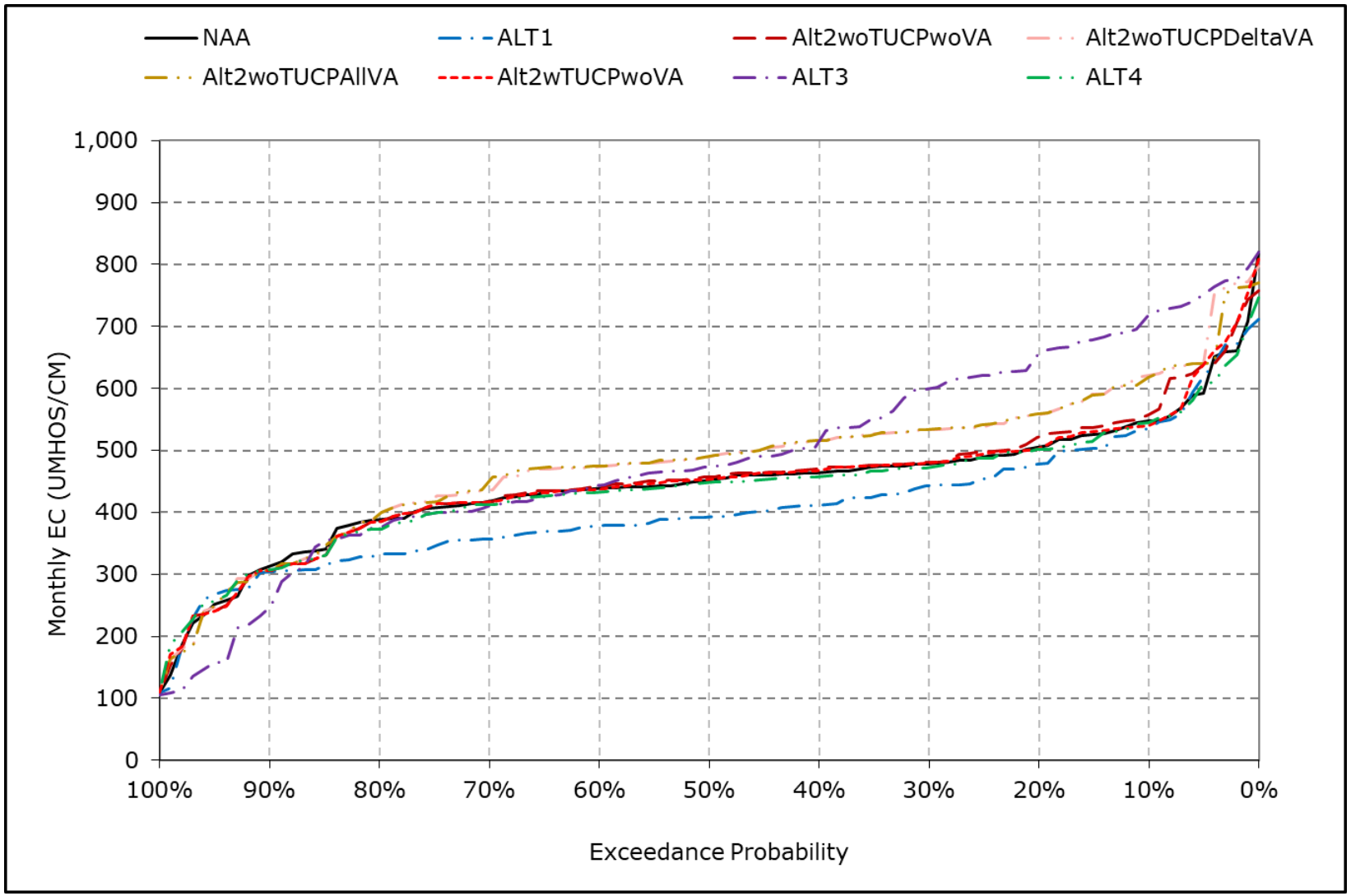
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-19-7. Victoria Canal, January Electrical Conductivity



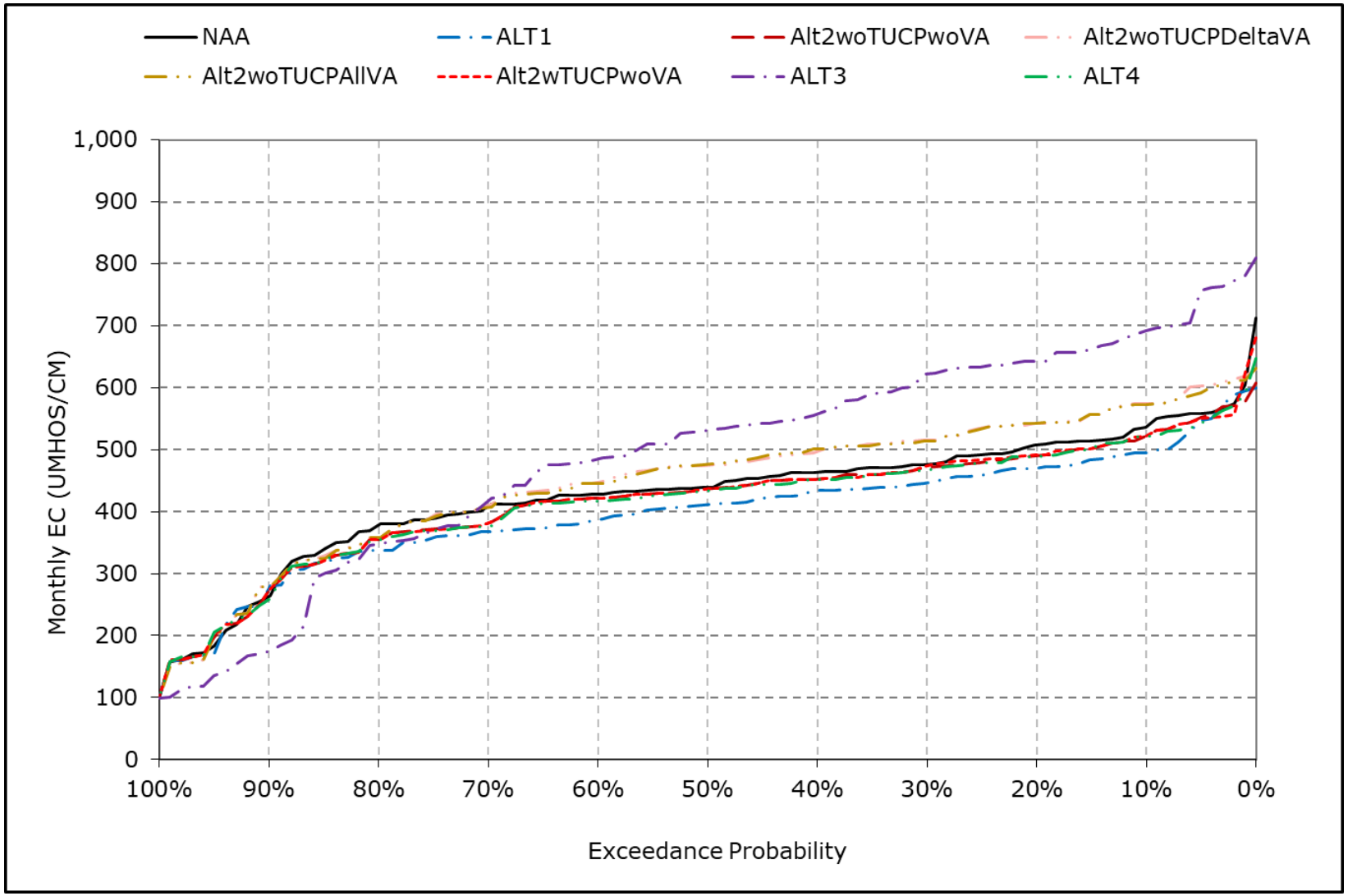
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-19-8. Victoria Canal, February Electrical Conductivity



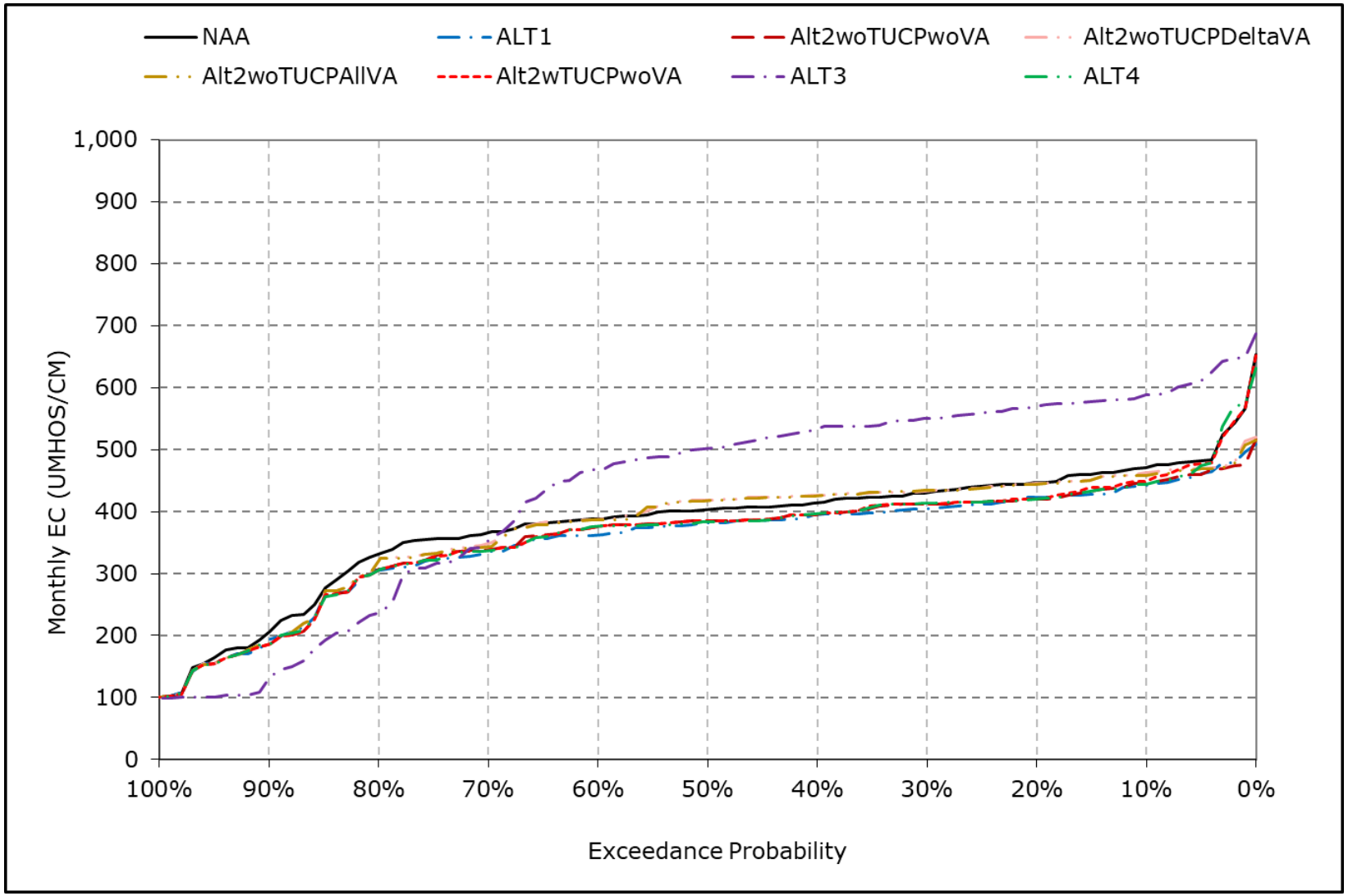
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-19-9. Victoria Canal, March Electrical Conductivity



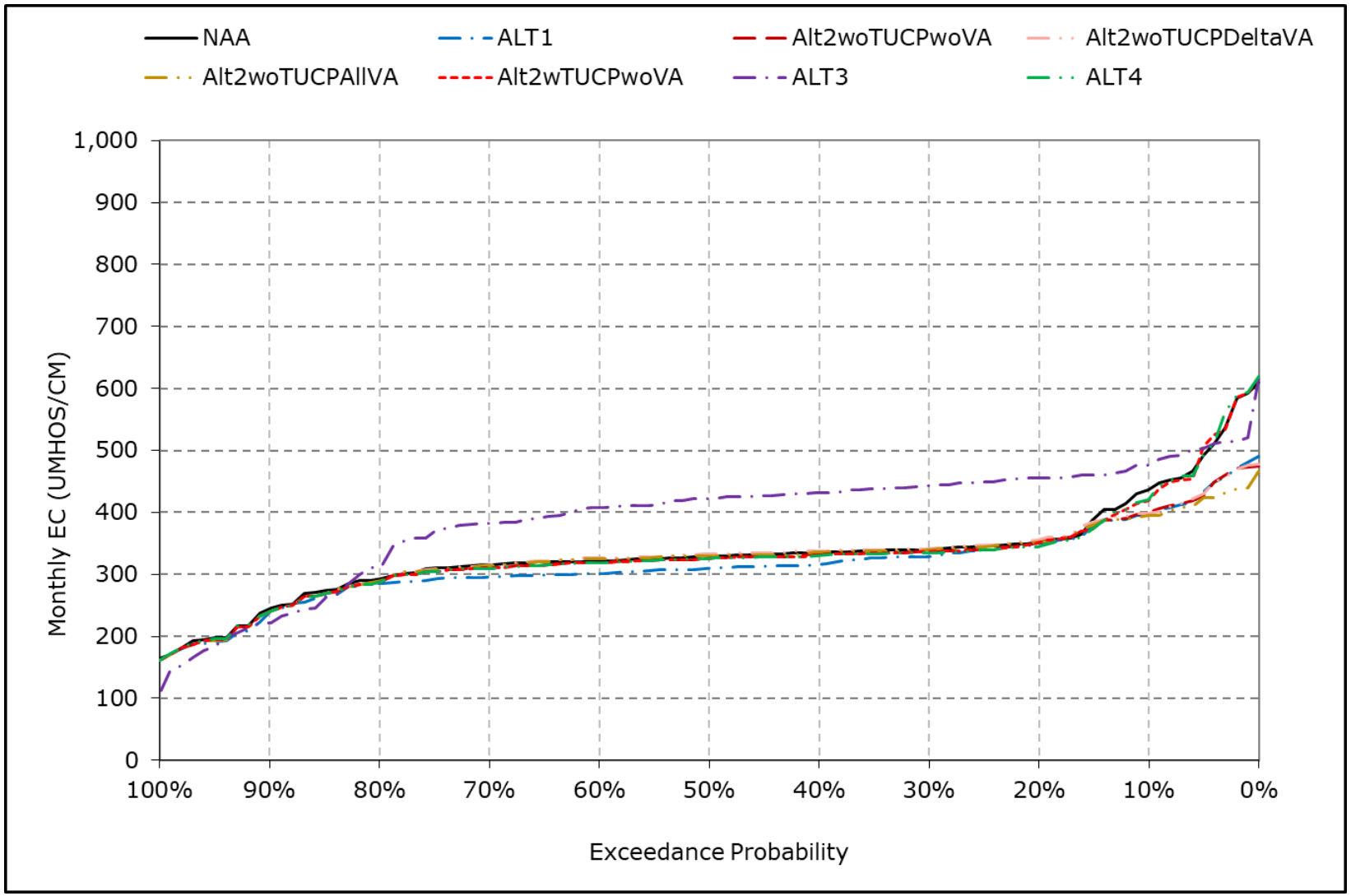
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-19-10. Victoria Canal, April Electrical Conductivity



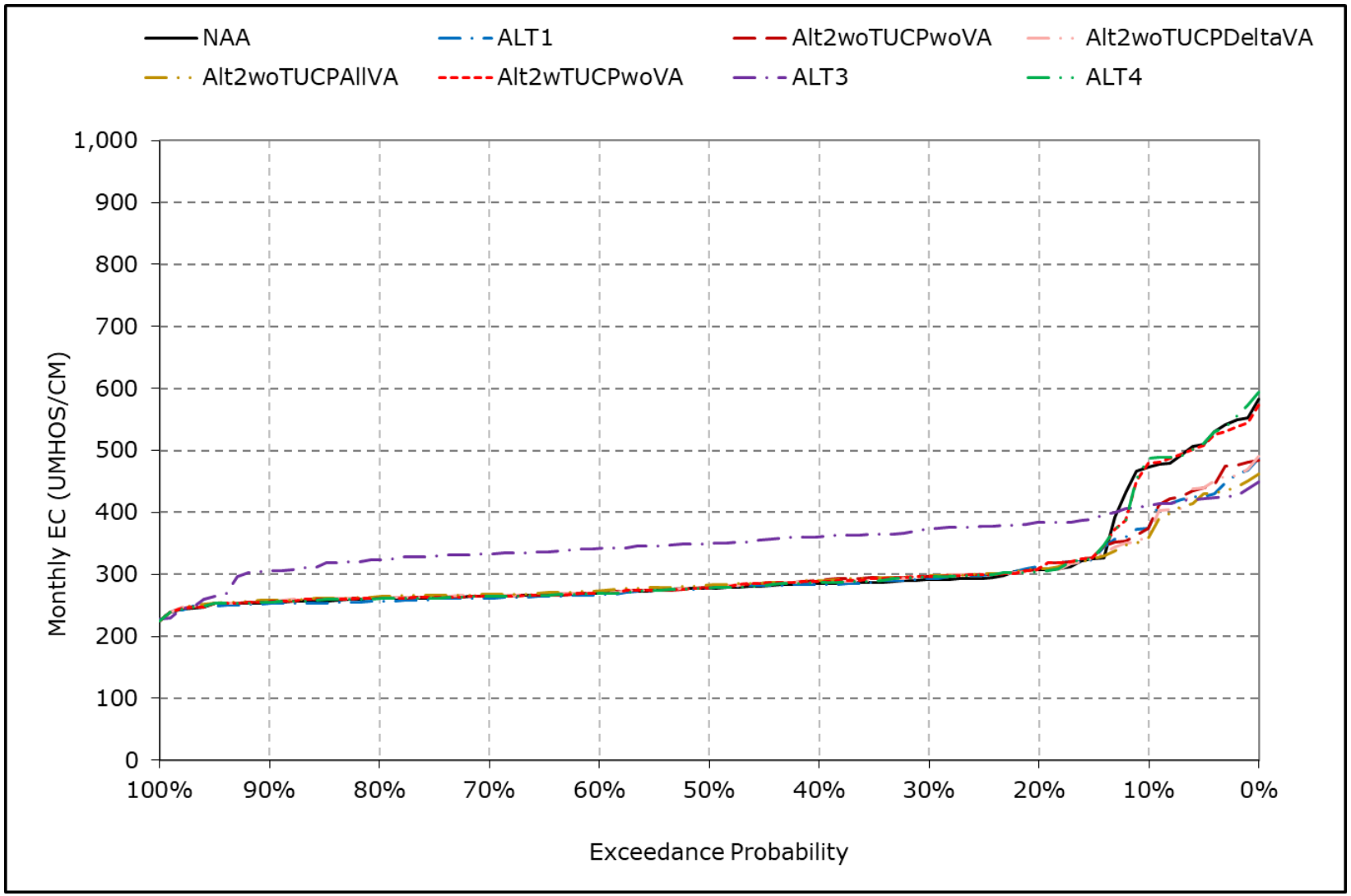
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-19-11. Victoria Canal, May Electrical Conductivity



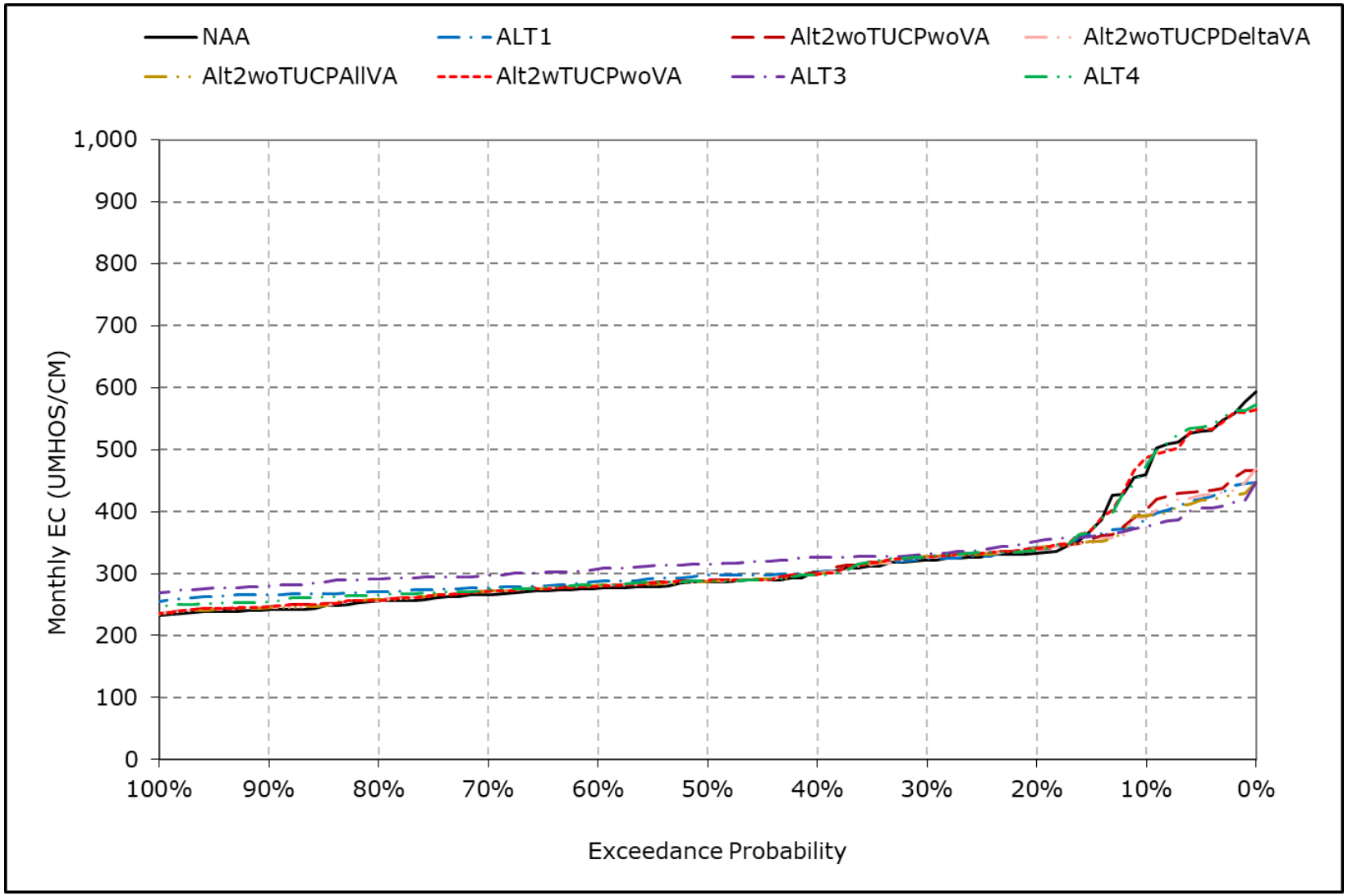
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-19-12. Victoria Canal, June Electrical Conductivity



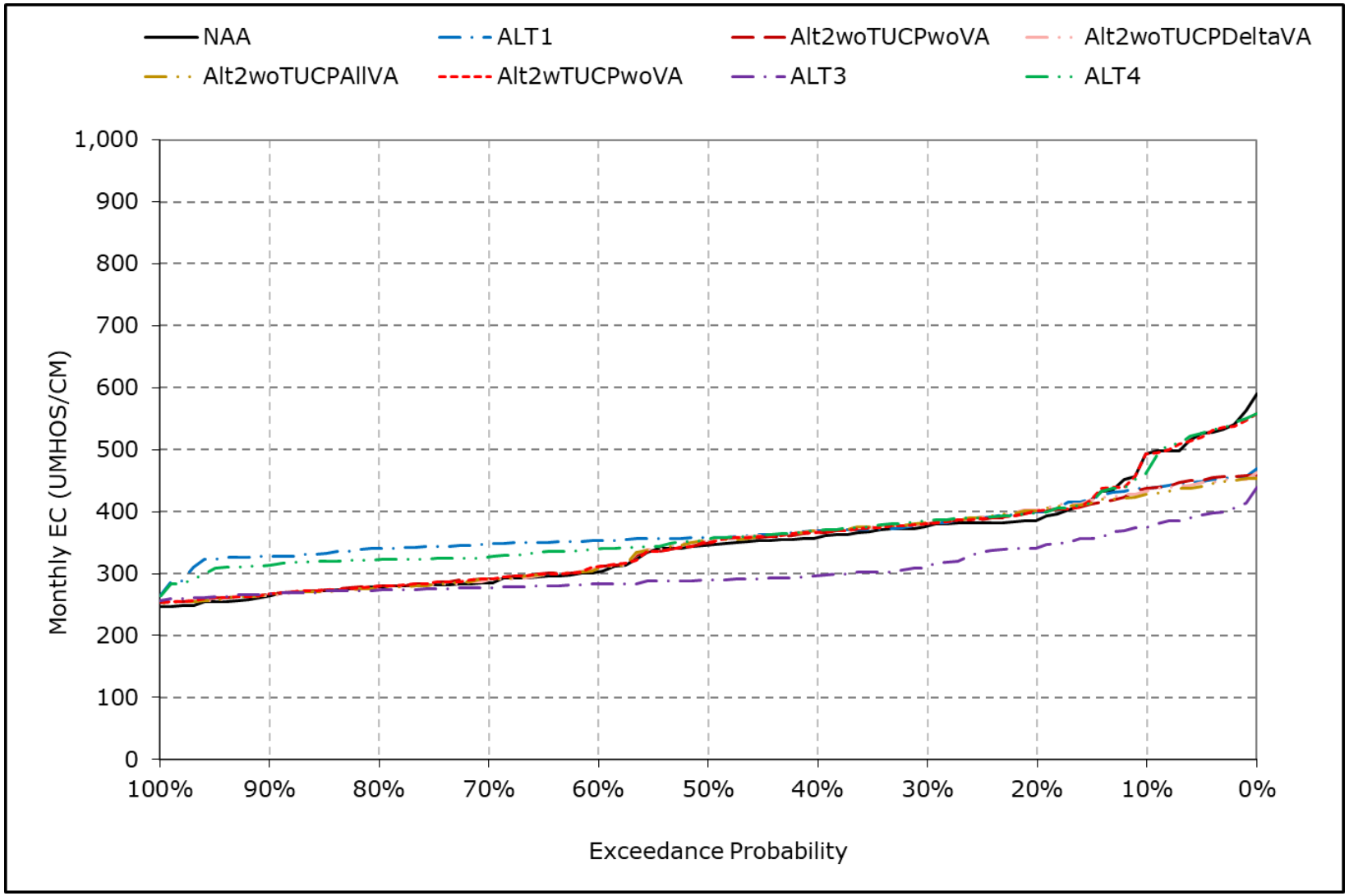
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-19-13. Victoria Canal, July Electrical Conductivity



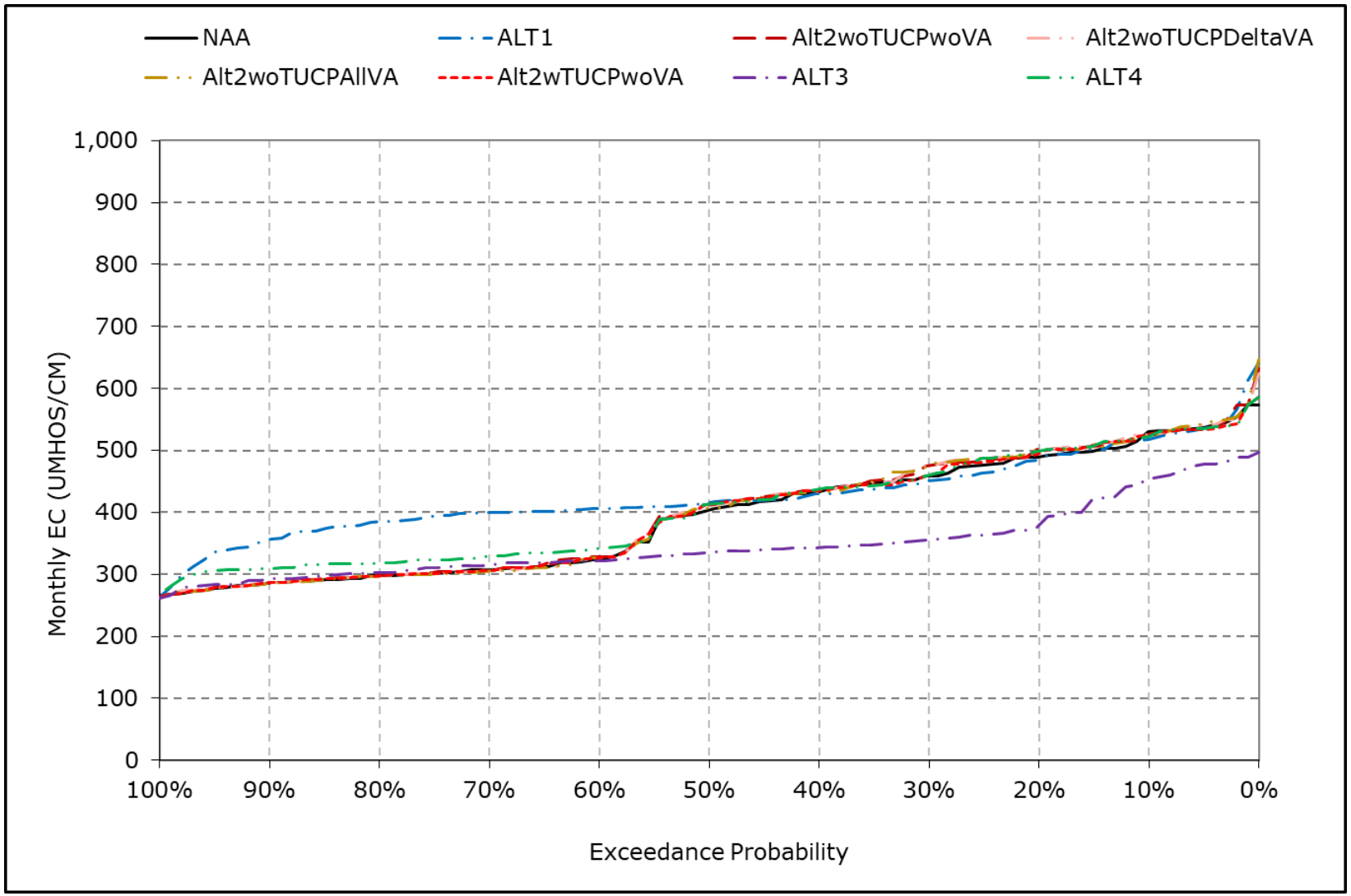
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-19-14. Victoria Canal, August Electrical Conductivity



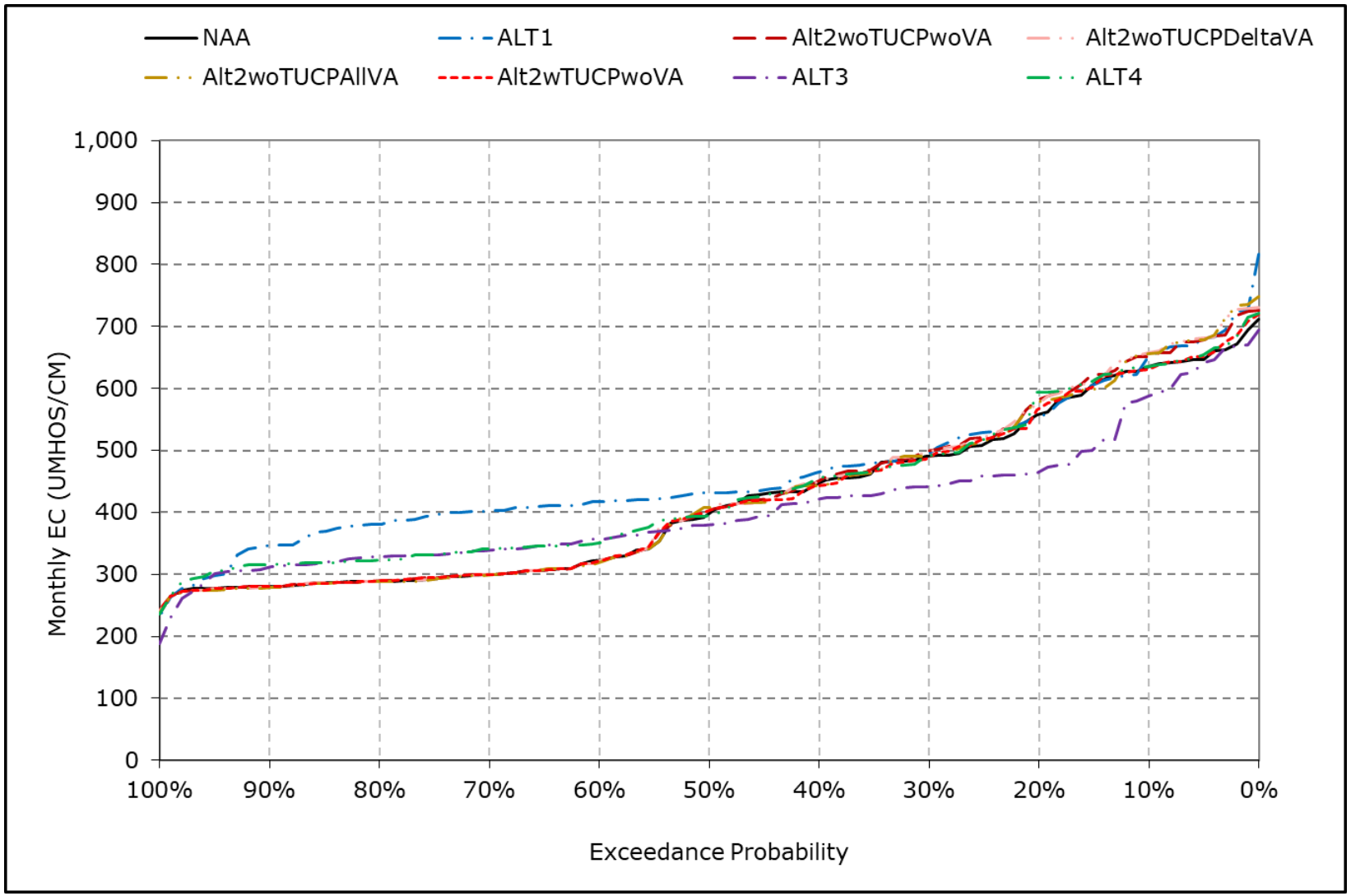
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-19-15. Victoria Canal, September Electrical Conductivity



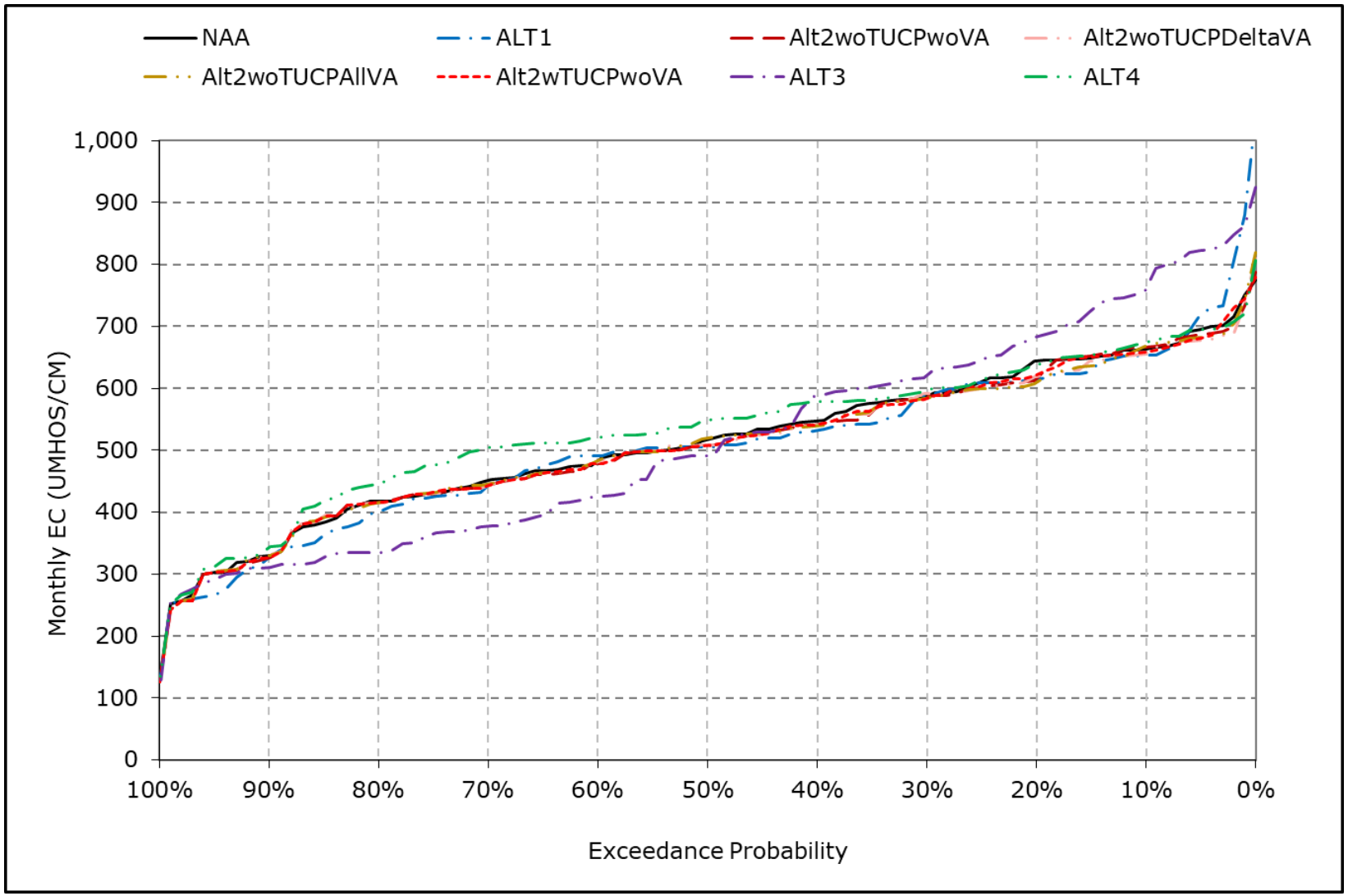
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-19-16. Victoria Canal, October Electrical Conductivity



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-19-17. Victoria Canal, November Electrical Conductivity



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.5-19-18. Victoria Canal, December Electrical Conductivity

Appendix F, Modeling

Attachment F.2-6 DSM2–X2

F.2-6.1 Results

The following results of the DSM2 QUAL model with 2022 Median climate conditions and 15 cm sea level rise are included for salinity results at key project locations for the following alternatives:

- No Action Alternative 090723 (NAA)
- ALT1 090923 (ALT1)
- Alt2woTUCPwoVA 091324 (Alt2woTUCPwoVA)
- Alt2woTUCPDeltaVA 091324 (Alt2woTUCPDeltaVA)
- Alt2woTUCPAllVA 091324 (Alt2woTUCPAllVA)
- Alt2wTUCPwoVA 091324 (Alt2wTUCPwoVA)
- ALT3 101323 (ALT3)
- ALT4 091624 (ALT4)

Section	Output Parameters	Table Numbers	Figure Numbers
X2	X2 Distance	F.2.6-1-1a to F.2.6-1-7c	F.2.6-1-1 to F.2.6-1-18

F.2-6.2 Report Formats

Reports include monthly tables, monthly pattern charts, and monthly exceedance charts.

- Monthly tables include a comparison of an alternative and the No Action Alternative (exceedance values, long-term average, and average by water year type) by subtracting the values in the No Action Alternative table (the table presented at the top of the page) from the values in the alternative table (the second table from the top of the page).
- Monthly pattern charts (long-term average and average by water year type) present all alternatives.
- Monthly exceedance charts (all months) present all alternatives.

Table F.2.6-1-1a. X2, No Action Alternative, Monthly Position (KM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	93	93	89	87	80	78	83	87	90	91	93	93
20% Exceedance	93	92	88	85	75	73	78	80	83	86	90	92
30% Exceedance	92	91	87	80	68	67	72	78	82	85	89	92
40% Exceedance	91	90	86	73	65	65	69	77	81	84	88	91
50% Exceedance	90	86	83	68	62	63	66	73	80	83	86	89
60% Exceedance	80	85	76	64	58	59	64	70	79	81	83	81
70% Exceedance	80	85	68	59	55	56	61	67	78	79	83	80
80% Exceedance	79	84	63	55	53	54	57	62	74	79	82	80
90% Exceedance	79	78	56	53	52	53	55	59	69	78	82	79
Full Simulation Period Average[a]	86	86	77	69	64	64	68	72	79	83	86	86
Wet Water Years (28%)	79	80	74	56	54	55	58	63	72	78	82	79
Above Normal Years (14%)	79	83	76	63	57	57	62	68	77	79	83	80
Below Normal Years (18%)	90	89	74	70	66	64	68	72	80	83	86	90
Dry Water Years (24%)	91	88	78	79	69	68	72	77	82	85	89	92
Critical Water Years (16%)	94	93	85	83	77	77	84	87	90	92	93	93

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.6-1-1b. X2, Alternative 1, Monthly Position (KM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	93	93	91	89	81	80	80	84	85	88	92	93
20% Exceedance	92	92	91	87	78	73	78	80	83	86	90	92
30% Exceedance	91	91	89	84	72	68	74	80	82	85	89	92
40% Exceedance	91	91	87	77	67	67	70	78	80	84	88	91
50% Exceedance	90	91	86	72	64	64	68	75	79	82	86	90
60% Exceedance	90	90	80	67	58	61	65	71	78	81	85	88
70% Exceedance	89	89	71	61	56	57	62	67	76	80	85	88
80% Exceedance	88	86	63	55	53	54	58	63	74	80	85	87
90% Exceedance	87	80	56	53	52	53	55	59	69	78	85	86
Full Simulation Period Average[a]	89	88	79	72	65	64	68	73	78	83	87	89
Wet Water Years (28%)	86	84	76	57	54	56	58	64	71	78	84	86
Above Normal Years (14%)	88	88	78	64	57	58	63	70	76	80	85	88
Below Normal Years (18%)	90	89	75	73	67	66	69	74	79	82	86	89
Dry Water Years (24%)	90	88	80	83	71	70	73	77	82	85	89	92
Critical Water Years (16%)	93	93	86	85	79	77	80	85	88	89	92	93

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.6-1-1c. X2, Alternative 1 minus No Action Alternative, Monthly Position (KM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	2	2	1	1	-2	-3	-5	-3	-1	0
20% Exceedance	-1	0	3	3	2	0	0	0	-1	0	0	0
30% Exceedance	0	0	2	5	5	2	2	1	0	0	0	0
40% Exceedance	0	1	1	4	2	2	1	1	-1	-1	0	0
50% Exceedance	0	5	3	4	2	2	1	2	-1	0	0	0
60% Exceedance	10	5	4	3	1	1	1	2	-1	0	2	8
70% Exceedance	9	4	3	1	1	1	0	1	-1	1	2	8
80% Exceedance	8	2	0	0	0	0	1	0	0	1	2	7
90% Exceedance	8	2	0	0	0	0	0	1	0	0	3	7
Full Simulation Period Average[a]	3	2	2	2	1	1	0	1	-1	0	1	3
Wet Water Years (28%)	8	3	2	1	0	0	1	1	-1	0	2	7
Above Normal Years (14%)	10	5	1	1	1	1	1	1	-1	0	2	8
Below Normal Years (18%)	0	0	2	3	1	1	1	2	-1	0	0	-1
Dry Water Years (24%)	0	0	2	3	2	2	1	1	0	0	0	0
Critical Water Years (16%)	0	0	1	3	2	0	-3	-2	-2	-2	-1	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.6-1-2a. X2, No Action Alternative, Monthly Position (KM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	93	93	89	87	80	78	83	87	90	91	93	93
20% Exceedance	93	92	88	85	75	73	78	80	83	86	90	92
30% Exceedance	92	91	87	80	68	67	72	78	82	85	89	92
40% Exceedance	91	90	86	73	65	65	69	77	81	84	88	91
50% Exceedance	90	86	83	68	62	63	66	73	80	83	86	89
60% Exceedance	80	85	76	64	58	59	64	70	79	81	83	81
70% Exceedance	80	85	68	59	55	56	61	67	78	79	83	80
80% Exceedance	79	84	63	55	53	54	57	62	74	79	82	80
90% Exceedance	79	78	56	53	52	53	55	59	69	78	82	79
Full Simulation Period Average[a]	86	86	77	69	64	64	68	72	79	83	86	86
Wet Water Years (28%)	79	80	74	56	54	55	58	63	72	78	82	79
Above Normal Years (14%)	79	83	76	63	57	57	62	68	77	79	83	80
Below Normal Years (18%)	90	89	74	70	66	64	68	72	80	83	86	90
Dry Water Years (24%)	91	88	78	79	69	68	72	77	82	85	89	92
Critical Water Years (16%)	94	93	85	83	77	77	84	87	90	92	93	93

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.6-1-2b. X2, Alt2woTUCPwoVA, Monthly Position (KM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	94	93	89	87	78	76	80	83	85	88	92	93
20% Exceedance	93	92	88	84	74	72	76	80	83	86	90	92
30% Exceedance	92	91	87	79	68	67	72	80	82	85	90	92
40% Exceedance	91	90	86	74	65	65	69	78	81	84	88	91
50% Exceedance	90	86	82	68	62	63	67	75	80	82	86	90
60% Exceedance	80	85	77	64	57	59	64	71	79	81	84	81
70% Exceedance	80	85	68	59	55	56	62	67	78	80	83	80
80% Exceedance	79	83	63	55	53	54	58	63	74	79	83	80
90% Exceedance	79	78	56	53	52	53	55	59	70	78	82	80
Full Simulation Period Average[a]	86	86	77	69	63	63	67	73	79	83	86	87
Wet Water Years (28%)	79	80	74	56	54	55	58	64	72	78	82	79
Above Normal Years (14%)	79	83	77	63	57	57	62	70	77	79	83	80
Below Normal Years (18%)	90	89	74	70	66	64	68	74	80	83	86	90
Dry Water Years (24%)	91	88	77	79	68	68	72	77	82	85	89	92
Critical Water Years (16%)	94	93	85	82	77	76	80	85	88	89	92	93

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.6-1-2c. X2, Alt2woTUCPwoVA minus No Action Alternative, Monthly Position (KM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	-2	-3	-3	-3	-5	-3	-1	0
20% Exceedance	0	0	0	-1	-1	-2	-2	0	0	0	0	0
30% Exceedance	0	0	0	-1	0	0	0	1	0	0	0	0
40% Exceedance	0	0	0	1	0	0	1	1	0	0	0	0
50% Exceedance	0	0	-1	0	0	0	1	2	0	0	0	1
60% Exceedance	0	0	1	0	0	0	0	1	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	1	0	0	0	0
80% Exceedance	0	0	0	0	0	0	1	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	1	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (28%)	0	0	0	0	0	0	0	1	0	0	0	0
Above Normal Years (14%)	0	0	0	0	0	0	1	1	0	0	0	0
Below Normal Years (18%)	0	0	0	0	0	0	1	2	0	0	0	0
Dry Water Years (24%)	0	0	0	-1	-1	0	0	1	0	0	0	0
Critical Water Years (16%)	0	-1	0	0	0	-2	-4	-2	-2	-2	-1	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.6-1-3a. X2, No Action Alternative, Monthly Position (KM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	93	93	89	87	80	78	83	87	90	91	93	93
20% Exceedance	93	92	88	85	75	73	78	80	83	86	90	92
30% Exceedance	92	91	87	80	68	67	72	78	82	85	89	92
40% Exceedance	91	90	86	73	65	65	69	77	81	84	88	91
50% Exceedance	90	86	83	68	62	63	66	73	80	83	86	89
60% Exceedance	80	85	76	64	58	59	64	70	79	81	83	81
70% Exceedance	80	85	68	59	55	56	61	67	78	79	83	80
80% Exceedance	79	84	63	55	53	54	57	62	74	79	82	80
90% Exceedance	79	78	56	53	52	53	55	59	69	78	82	79
Full Simulation Period Average[a]	86	86	77	69	64	64	68	72	79	83	86	86
Wet Water Years (28%)	79	80	74	56	54	55	58	63	72	78	82	79
Above Normal Years (14%)	79	83	76	63	57	57	62	68	77	79	83	80
Below Normal Years (18%)	90	89	74	70	66	64	68	72	80	83	86	90
Dry Water Years (24%)	91	88	78	79	69	68	72	77	82	85	89	92
Critical Water Years (16%)	94	93	85	83	77	77	84	87	90	92	93	93

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.6-1-3b. X2, Alt2woTUCPDeltaVA, Monthly Position (KM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	94	92	89	87	80	76	79	83	85	88	92	93
20% Exceedance	93	92	88	84	74	71	75	80	84	86	90	92
30% Exceedance	92	91	87	79	69	66	72	79	83	85	89	92
40% Exceedance	91	90	86	73	65	65	68	77	81	84	88	91
50% Exceedance	90	86	82	69	62	62	66	75	80	83	86	90
60% Exceedance	80	85	77	64	57	59	64	71	79	81	84	81
70% Exceedance	80	85	68	59	55	56	61	67	78	80	83	80
80% Exceedance	79	83	63	55	53	54	57	62	74	79	83	80
90% Exceedance	79	78	56	53	52	53	55	59	70	78	82	80
Full Simulation Period Average[a]	86	86	77	69	64	63	67	73	79	83	86	87
Wet Water Years (28%)	79	80	75	56	54	55	58	64	72	78	82	79
Above Normal Years (14%)	79	83	76	63	57	57	62	69	77	79	83	80
Below Normal Years (18%)	90	89	74	70	66	63	67	73	80	83	86	90
Dry Water Years (24%)	91	88	77	79	69	67	71	77	82	85	89	92
Critical Water Years (16%)	94	92	85	83	77	76	80	85	88	89	92	93

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.6-1-3c. X2, Alt2woTUCPDeltaVA minus No Action Alternative, Monthly Position (KM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	-1	0	0	0	-2	-3	-3	-5	-3	-1	0
20% Exceedance	0	0	0	-1	-1	-3	-3	0	0	0	0	0
30% Exceedance	0	0	0	-1	1	0	-1	1	1	0	0	0
40% Exceedance	0	0	0	1	0	-1	0	0	0	0	-1	0
50% Exceedance	0	0	0	0	0	-1	0	2	0	0	0	1
60% Exceedance	0	0	1	0	0	0	0	1	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	1	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	1	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	-1	-1	0	0	0	0	0
Wet Water Years (28%)	0	0	0	0	0	0	0	1	0	0	0	0
Above Normal Years (14%)	0	0	0	0	0	0	0	1	0	0	0	0
Below Normal Years (18%)	0	0	0	0	0	-1	0	1	0	0	0	0
Dry Water Years (24%)	0	0	0	-1	0	-1	0	0	0	0	0	0
Critical Water Years (16%)	0	-1	0	0	1	-1	-4	-2	-2	-3	-1	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.6-1-4a. X2, No Action Alternative, Monthly Position (KM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	93	93	89	87	80	78	83	87	90	91	93	93
20% Exceedance	93	92	88	85	75	73	78	80	83	86	90	92
30% Exceedance	92	91	87	80	68	67	72	78	82	85	89	92
40% Exceedance	91	90	86	73	65	65	69	77	81	84	88	91
50% Exceedance	90	86	83	68	62	63	66	73	80	83	86	89
60% Exceedance	80	85	76	64	58	59	64	70	79	81	83	81
70% Exceedance	80	85	68	59	55	56	61	67	78	79	83	80
80% Exceedance	79	84	63	55	53	54	57	62	74	79	82	80
90% Exceedance	79	78	56	53	52	53	55	59	69	78	82	79
Full Simulation Period Average[a]	86	86	77	69	64	64	68	72	79	83	86	86
Wet Water Years (28%)	79	80	74	56	54	55	58	63	72	78	82	79
Above Normal Years (14%)	79	83	76	63	57	57	62	68	77	79	83	80
Below Normal Years (18%)	90	89	74	70	66	64	68	72	80	83	86	90
Dry Water Years (24%)	91	88	78	79	69	68	72	77	82	85	89	92
Critical Water Years (16%)	94	93	85	83	77	77	84	87	90	92	93	93

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.6-1-4b. X2, Alt2woTUCPAllVA, Monthly Position (KM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	94	93	89	87	80	75	79	82	85	88	92	93
20% Exceedance	93	92	88	83	74	70	74	79	83	86	90	92
30% Exceedance	92	91	87	79	68	66	70	78	82	85	89	92
40% Exceedance	91	89	86	73	65	64	67	76	81	84	88	91
50% Exceedance	90	86	82	68	62	62	65	72	80	83	86	90
60% Exceedance	80	85	77	64	57	59	63	69	79	80	84	81
70% Exceedance	80	85	68	59	55	56	61	67	78	80	83	80
80% Exceedance	79	83	63	55	53	54	57	62	74	79	83	80
90% Exceedance	79	77	56	53	52	53	55	59	70	78	82	80
Full Simulation Period Average[a]	86	86	77	69	63	63	66	72	79	82	86	87
Wet Water Years (28%)	79	80	75	56	54	55	58	63	72	78	82	79
Above Normal Years (14%)	79	83	76	63	57	57	61	68	76	79	83	80
Below Normal Years (18%)	89	88	74	70	66	63	66	72	80	83	86	90
Dry Water Years (24%)	91	88	77	79	68	67	70	75	81	85	89	92
Critical Water Years (16%)	94	93	85	82	76	75	79	84	87	89	92	93

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.6-1-4c. X2, Alt2woTUCPAllVA minus No Action Alternative, Monthly Position (KM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	-1	0	0	0	-3	-4	-4	-6	-3	-1	0
20% Exceedance	0	0	0	-1	-1	-3	-4	-1	0	0	0	0
30% Exceedance	0	0	0	0	0	0	-2	0	0	0	0	0
40% Exceedance	0	-1	0	1	0	-1	-2	-1	0	0	-1	0
50% Exceedance	-1	0	-1	0	0	-1	-1	-1	0	0	0	1
60% Exceedance	0	0	1	0	0	0	-1	-1	0	0	0	0
70% Exceedance	0	0	0	0	0	0	-1	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	-1	0	0	0	0
90% Exceedance	0	-1	0	0	0	0	0	1	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	-1	-2	-1	0	0	0	0
Wet Water Years (28%)	0	0	0	0	0	0	0	1	0	0	0	0
Above Normal Years (14%)	0	0	0	0	0	0	-1	-1	0	0	0	0
Below Normal Years (18%)	0	0	0	0	0	-1	-2	-1	0	0	0	0
Dry Water Years (24%)	0	0	0	0	-1	-1	-2	-1	0	0	0	0
Critical Water Years (16%)	0	0	0	0	-1	-2	-4	-3	-3	-3	-1	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.6-1-5a. X2, No Action Alternative, Monthly Position (KM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	93	93	89	87	80	78	83	87	90	91	93	93
20% Exceedance	93	92	88	85	75	73	78	80	83	86	90	92
30% Exceedance	92	91	87	80	68	67	72	78	82	85	89	92
40% Exceedance	91	90	86	73	65	65	69	77	81	84	88	91
50% Exceedance	90	86	83	68	62	63	66	73	80	83	86	89
60% Exceedance	80	85	76	64	58	59	64	70	79	81	83	81
70% Exceedance	80	85	68	59	55	56	61	67	78	79	83	80
80% Exceedance	79	84	63	55	53	54	57	62	74	79	82	80
90% Exceedance	79	78	56	53	52	53	55	59	69	78	82	79
Full Simulation Period Average[a]	86	86	77	69	64	64	68	72	79	83	86	86
Wet Water Years (28%)	79	80	74	56	54	55	58	63	72	78	82	79
Above Normal Years (14%)	79	83	76	63	57	57	62	68	77	79	83	80
Below Normal Years (18%)	90	89	74	70	66	64	68	72	80	83	86	90
Dry Water Years (24%)	91	88	78	79	69	68	72	77	82	85	89	92
Critical Water Years (16%)	94	93	85	83	77	77	84	87	90	92	93	93

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.6-1-5b. X2, Alt2wTUCPwoVA, Monthly Position (KM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	93	93	89	87	78	79	81	86	91	91	93	93
20% Exceedance	93	92	88	84	74	73	78	80	83	87	90	92
30% Exceedance	92	91	87	80	67	67	73	80	83	85	90	92
40% Exceedance	91	90	86	73	65	65	69	78	82	84	88	91
50% Exceedance	90	86	82	68	62	63	67	75	80	82	86	90
60% Exceedance	80	85	76	64	57	59	64	71	79	81	84	81
70% Exceedance	80	85	68	59	55	56	62	67	78	80	83	80
80% Exceedance	79	83	63	55	53	54	58	63	74	79	83	80
90% Exceedance	79	77	56	53	52	53	55	59	69	78	82	80
Full Simulation Period Average[a]	86	86	77	69	63	64	68	73	79	83	86	87
Wet Water Years (28%)	79	80	74	56	54	55	58	64	72	78	82	79
Above Normal Years (14%)	79	83	77	63	57	57	62	70	77	79	83	80
Below Normal Years (18%)	90	88	74	70	66	64	68	74	80	83	86	90
Dry Water Years (24%)	91	88	78	79	68	68	72	77	82	85	89	92
Critical Water Years (16%)	94	93	85	82	77	77	83	87	90	91	93	93

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.6-1-5c. X2, Alt2wTUCPwoVA minus No Action Alternative, Monthly Position (KM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	-2	0	-1	-1	1	0	0	0
20% Exceedance	0	0	0	-1	-1	0	0	0	0	1	0	0
30% Exceedance	0	0	0	0	0	0	0	1	0	0	0	0
40% Exceedance	0	0	0	0	0	0	1	1	0	0	-1	0
50% Exceedance	0	0	0	0	0	0	1	2	0	0	0	0
60% Exceedance	0	0	1	0	0	0	0	1	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	1	0	0	0	0
80% Exceedance	0	0	0	0	0	0	1	0	0	0	0	0
90% Exceedance	0	-1	0	0	0	0	0	1	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	1	0	0	0	0
Wet Water Years (28%)	0	0	0	0	0	0	0	1	0	0	0	0
Above Normal Years (14%)	0	0	0	0	0	0	1	1	0	0	0	0
Below Normal Years (18%)	0	0	0	0	0	0	1	2	0	0	0	0
Dry Water Years (24%)	0	0	0	-1	-1	0	0	1	0	0	0	0
Critical Water Years (16%)	0	0	-1	0	0	0	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.6-1-6a. X2, No Action Alternative, Monthly Position (KM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	93	93	89	87	80	78	83	87	90	91	93	93
20% Exceedance	93	92	88	85	75	73	78	80	83	86	90	92
30% Exceedance	92	91	87	80	68	67	72	78	82	85	89	92
40% Exceedance	91	90	86	73	65	65	69	77	81	84	88	91
50% Exceedance	90	86	83	68	62	63	66	73	80	83	86	89
60% Exceedance	80	85	76	64	58	59	64	70	79	81	83	81
70% Exceedance	80	85	68	59	55	56	61	67	78	79	83	80
80% Exceedance	79	84	63	55	53	54	57	62	74	79	82	80
90% Exceedance	79	78	56	53	52	53	55	59	69	78	82	79
Full Simulation Period Average[a]	86	86	77	69	64	64	68	72	79	83	86	86
Wet Water Years (28%)	79	80	74	56	54	55	58	63	72	78	82	79
Above Normal Years (14%)	79	83	76	63	57	57	62	68	77	79	83	80
Below Normal Years (18%)	90	89	74	70	66	64	68	72	80	83	86	90
Dry Water Years (24%)	91	88	78	79	69	68	72	77	82	85	89	92
Critical Water Years (16%)	94	93	85	83	77	77	84	87	90	92	93	93

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.6-1-6b. X2, Alternative 3, Monthly Position (KM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	93	93	90	83	76	75	78	82	86	87	89	92
20% Exceedance	90	92	86	79	70	68	71	78	82	85	85	87
30% Exceedance	90	91	82	74	65	65	70	75	81	84	84	87
40% Exceedance	88	90	78	67	63	63	67	72	81	84	84	86
50% Exceedance	88	83	74	64	60	61	64	69	79	83	83	86
60% Exceedance	80	80	69	62	56	58	61	65	77	83	83	80
70% Exceedance	80	80	65	58	55	56	59	62	76	81	83	80
80% Exceedance	79	79	59	54	53	54	56	59	74	80	81	80
90% Exceedance	79	77	55	53	52	53	54	56	70	78	81	80
Full Simulation Period Average[a]	85	84	73	66	62	62	65	69	78	83	84	84
Wet Water Years (28%)	78	77	70	55	53	55	57	59	72	78	81	79
Above Normal Years (14%)	79	78	70	60	56	56	60	64	77	83	83	80
Below Normal Years (18%)	87	88	71	67	63	61	64	70	80	84	84	86
Dry Water Years (24%)	89	87	76	74	66	66	69	74	80	83	84	87
Critical Water Years (16%)	93	93	80	80	74	74	80	84	86	88	89	92

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.6-1-6c. X2, Alternative 3 minus No Action Alternative, Monthly Position (KM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	-4	-5	-4	-5	-4	-4	-5	-4	-1
20% Exceedance	-2	0	-2	-6	-6	-5	-7	-1	-1	-1	-5	-5
30% Exceedance	-2	0	-5	-5	-3	-1	-3	-3	-1	-1	-5	-5
40% Exceedance	-3	0	-8	-6	-2	-2	-2	-5	-1	-1	-4	-5
50% Exceedance	-3	-3	-9	-4	-2	-2	-2	-4	-1	0	-2	-4
60% Exceedance	0	-5	-7	-2	-1	-1	-2	-5	-2	2	-1	0
70% Exceedance	0	-5	-3	-1	0	-1	-2	-4	-1	2	0	0
80% Exceedance	0	-4	-4	-1	0	0	-1	-4	0	1	-1	0
90% Exceedance	0	-1	-1	0	0	0	-1	-2	1	0	-1	0
Full Simulation Period Average[a]	-1	-2	-4	-3	-2	-2	-2	-3	-1	0	-3	-2
Wet Water Years (28%)	-1	-4	-5	-1	0	-1	-1	-3	0	0	-1	0
Above Normal Years (14%)	0	-5	-7	-3	-1	-1	-2	-5	0	3	0	0
Below Normal Years (18%)	-2	-1	-2	-3	-3	-3	-3	-2	0	2	-2	-4
Dry Water Years (24%)	-2	0	-2	-5	-3	-2	-3	-3	-2	-2	-6	-5
Critical Water Years (16%)	0	0	-5	-3	-2	-3	-4	-3	-4	-4	-3	-1

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.6-1-7a. X2, No Action Alternative, Monthly Position (KM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	93	93	89	87	80	78	83	87	90	91	93	93
20% Exceedance	93	92	88	85	75	73	78	80	83	86	90	92
30% Exceedance	92	91	87	80	68	67	72	78	82	85	89	92
40% Exceedance	91	90	86	73	65	65	69	77	81	84	88	91
50% Exceedance	90	86	83	68	62	63	66	73	80	83	86	89
60% Exceedance	80	85	76	64	58	59	64	70	79	81	83	81
70% Exceedance	80	85	68	59	55	56	61	67	78	79	83	80
80% Exceedance	79	84	63	55	53	54	57	62	74	79	82	80
90% Exceedance	79	78	56	53	52	53	55	59	69	78	82	79
Full Simulation Period Average[a]	86	86	77	69	64	64	68	72	79	83	86	86
Wet Water Years (28%)	79	80	74	56	54	55	58	63	72	78	82	79
Above Normal Years (14%)	79	83	76	63	57	57	62	68	77	79	83	80
Below Normal Years (18%)	90	89	74	70	66	64	68	72	80	83	86	90
Dry Water Years (24%)	91	88	78	79	69	68	72	77	82	85	89	92
Critical Water Years (16%)	94	93	85	83	77	77	84	87	90	92	93	93

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.6-1-7b. X2, Alternative 4, Monthly Position (KM)

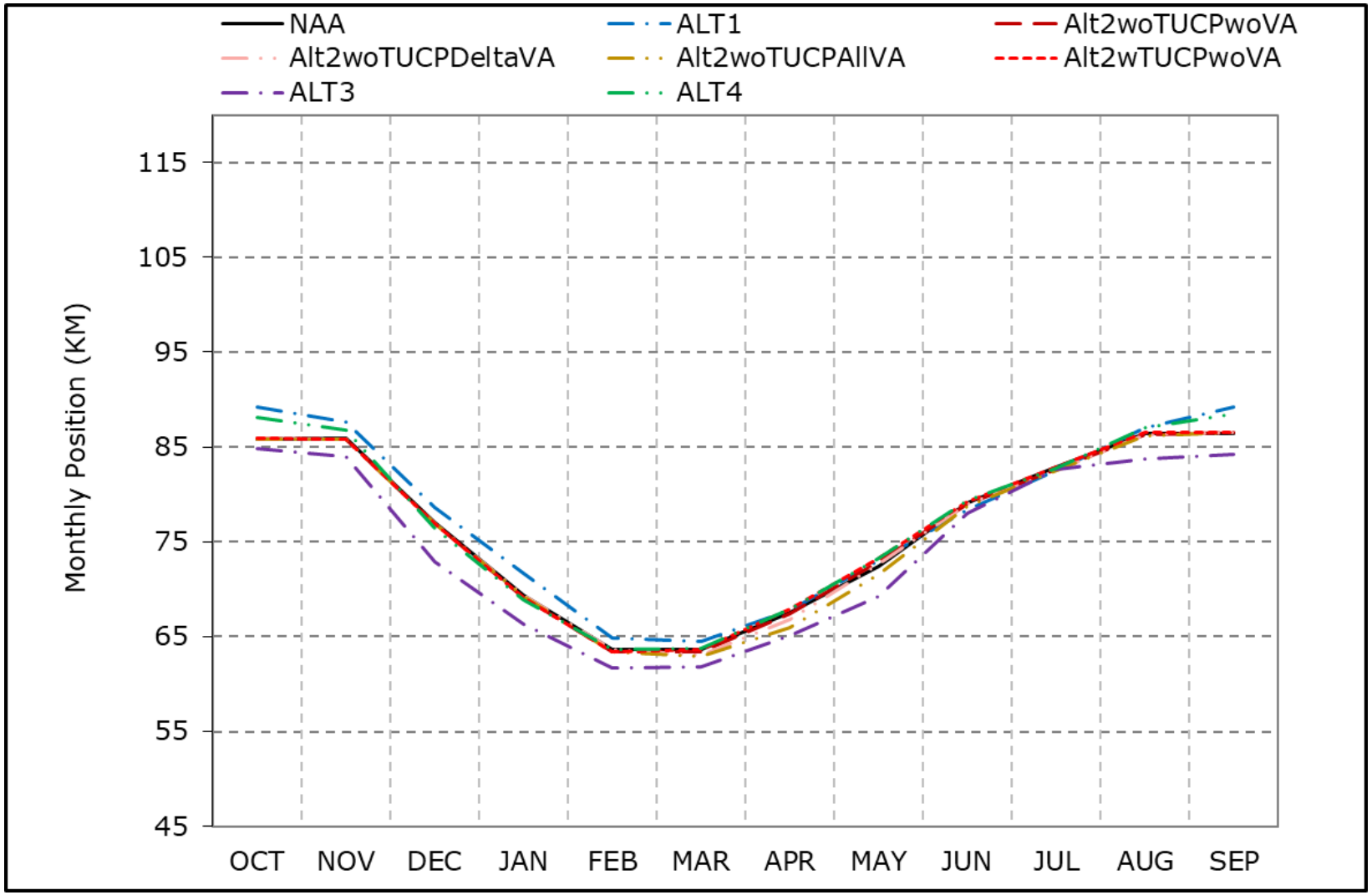
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	93	93	89	87	80	79	81	86	91	92	92	93
20% Exceedance	93	92	88	84	76	74	78	80	83	86	90	92
30% Exceedance	92	91	87	79	68	66	73	80	83	85	89	92
40% Exceedance	91	90	85	71	65	65	69	78	82	84	88	91
50% Exceedance	90	88	81	68	62	62	67	75	80	82	86	90
60% Exceedance	86	88	76	64	58	59	64	71	79	81	85	86
70% Exceedance	85	87	67	59	55	56	61	67	78	80	85	86
80% Exceedance	85	85	63	55	53	54	58	63	74	79	84	85
90% Exceedance	84	79	56	53	52	53	55	59	69	78	84	85
Full Simulation Period Average[a]	88	87	76	69	64	64	68	73	79	83	87	89
Wet Water Years (28%)	84	82	73	56	54	55	58	64	72	78	84	84
Above Normal Years (14%)	85	85	76	62	57	57	62	70	77	79	84	85
Below Normal Years (18%)	90	89	73	69	66	64	68	74	80	82	86	90
Dry Water Years (24%)	91	88	77	79	69	68	72	77	82	85	89	92
Critical Water Years (16%)	94	93	85	82	77	78	84	87	90	91	93	93

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.

Table F.2.6-1-7c. X2, Alternative 4 minus No Action Alternative, Monthly Position (KM)

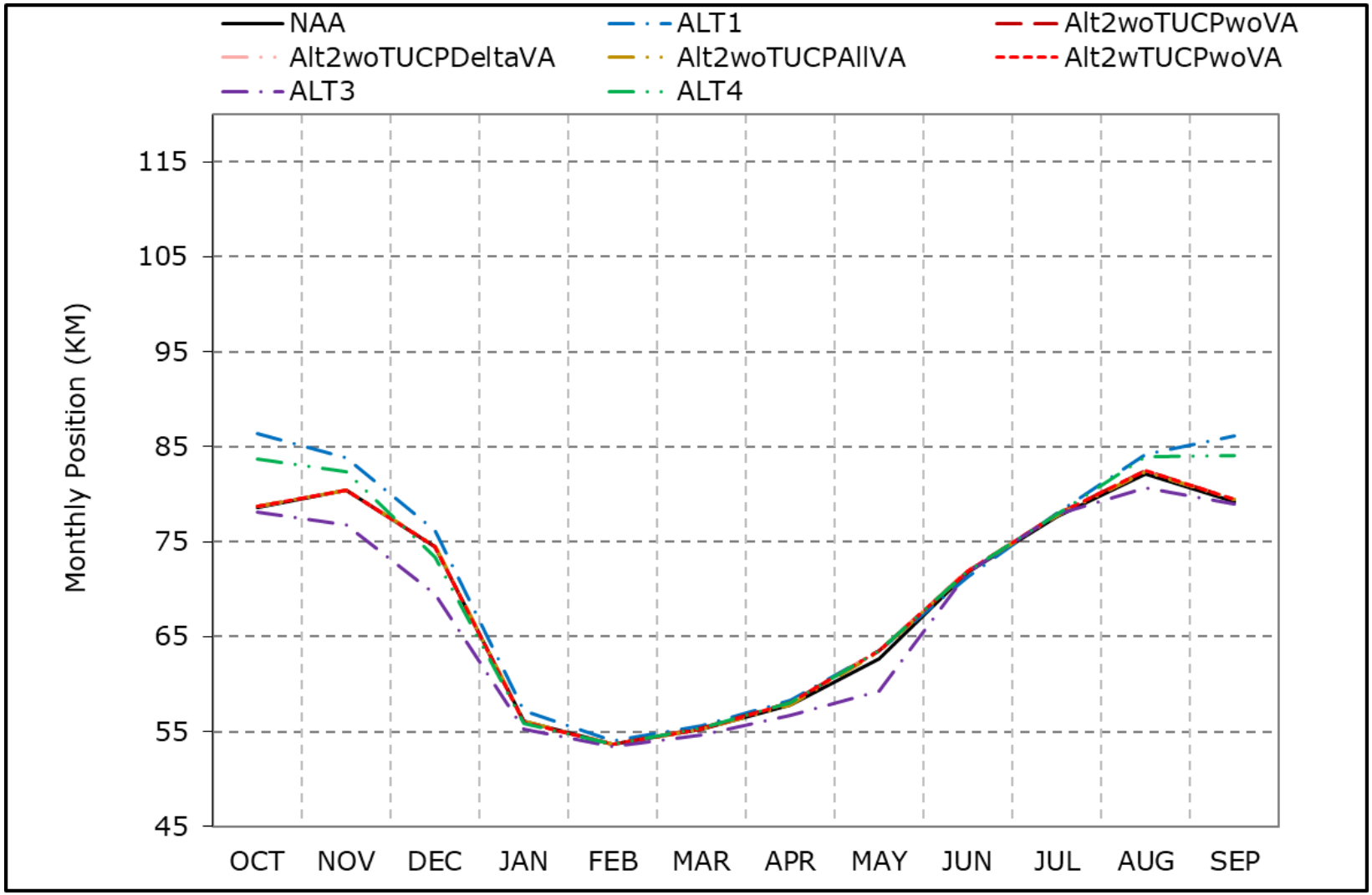
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	-1	0	0	0	1	-1	-1	0	0	0	0
20% Exceedance	0	0	0	-1	0	0	0	0	0	0	0	0
30% Exceedance	0	0	-1	0	0	0	0	1	0	0	0	0
40% Exceedance	0	0	-2	-2	0	0	1	1	0	-1	-1	0
50% Exceedance	0	2	-1	-1	0	0	1	3	0	0	0	1
60% Exceedance	6	2	0	-1	0	0	0	2	0	0	2	5
70% Exceedance	6	2	-1	0	0	0	0	1	0	0	2	6
80% Exceedance	6	2	0	0	0	0	1	0	0	0	2	5
90% Exceedance	5	1	0	0	0	0	0	1	0	0	2	5
Full Simulation Period Average[a]	2	1	-1	-1	0	0	0	1	0	0	1	2
Wet Water Years (28%)	5	2	-1	0	0	0	0	1	0	0	2	5
Above Normal Years (14%)	6	2	-1	-1	0	0	1	1	0	0	2	6
Below Normal Years (18%)	0	0	0	-1	0	0	0	2	0	0	0	0
Dry Water Years (24%)	0	0	0	0	0	0	0	1	0	0	0	0
Critical Water Years (16%)	0	0	-1	-1	0	1	0	0	0	0	0	0

[a] Based on the 100-year simulation period.
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999).
Water year types results are displayed with calendar year-year type sorting.



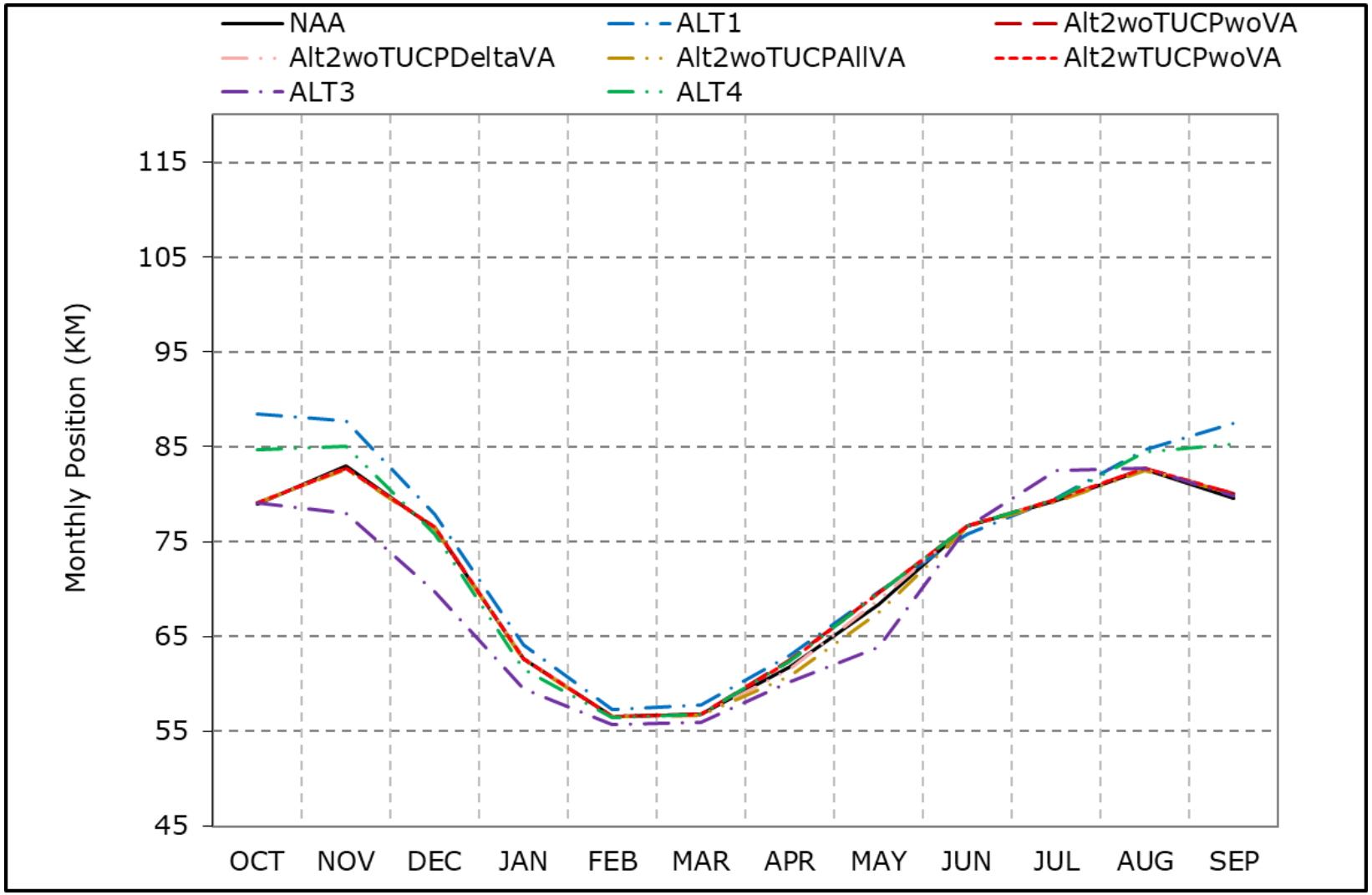
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.6-1-1. X2, Long-Term Average Position



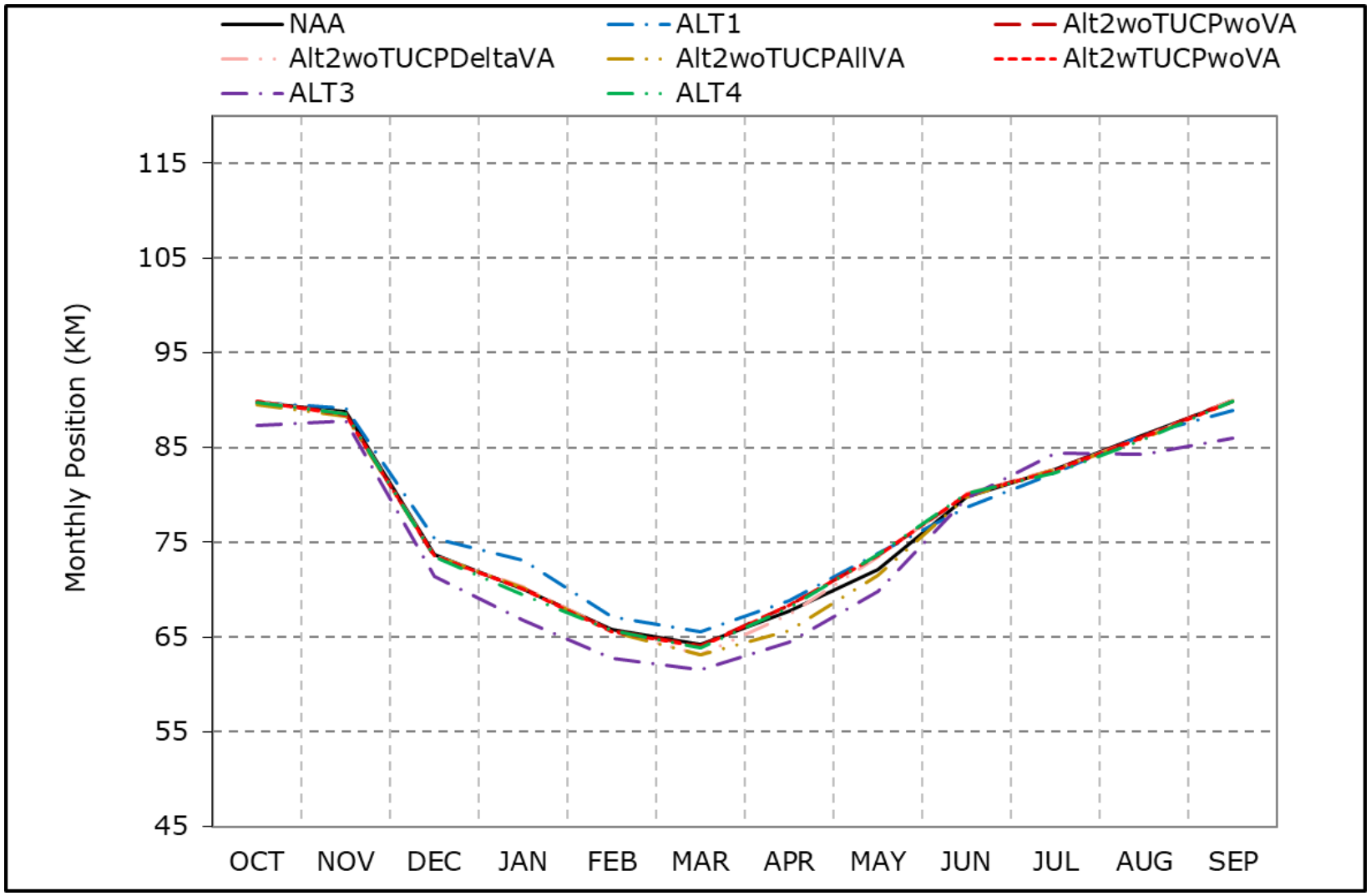
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.6-1-2. X2, Wet Year Average Position



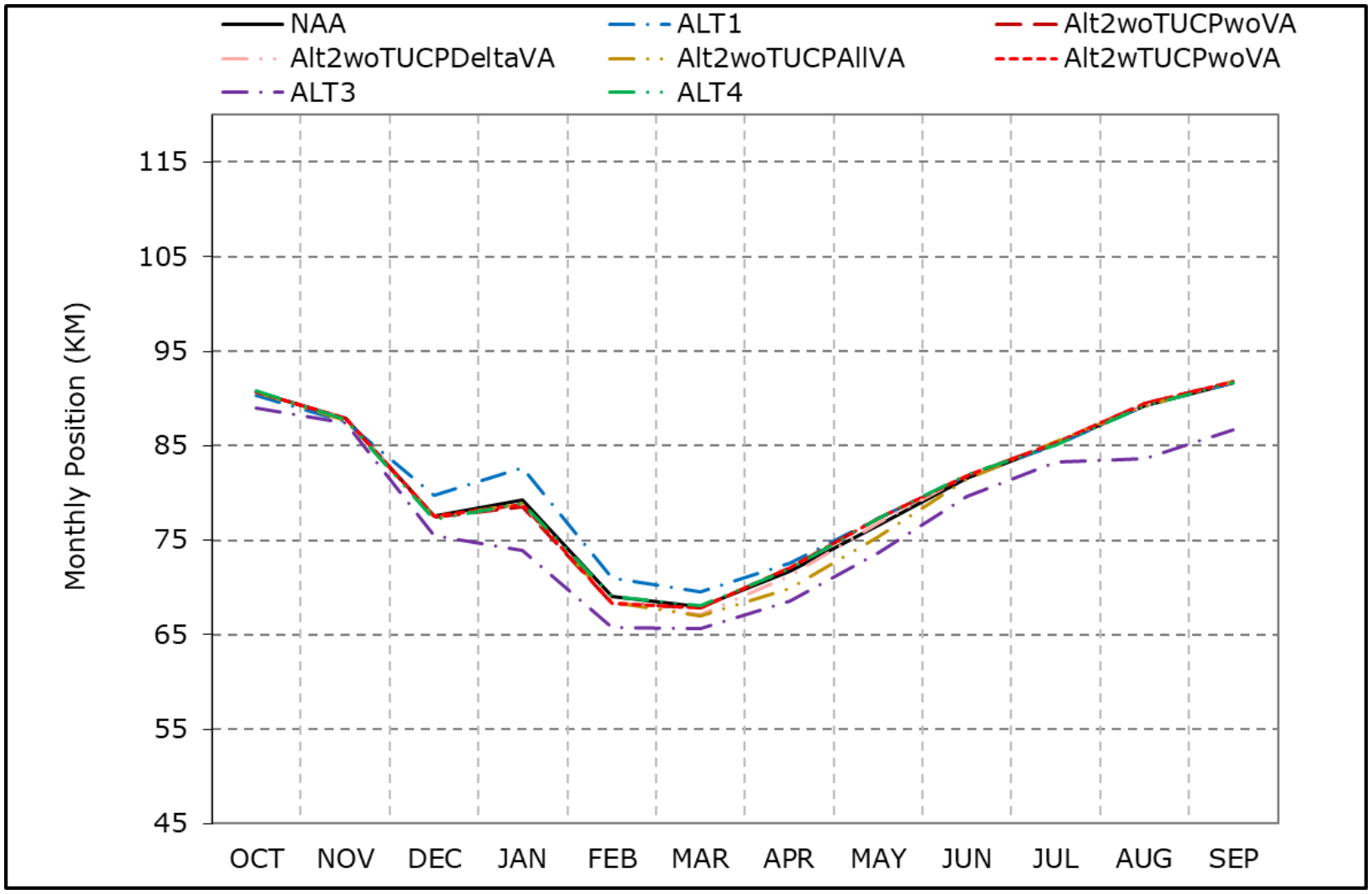
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.6-1-3. X2, Above Normal Year Average Position



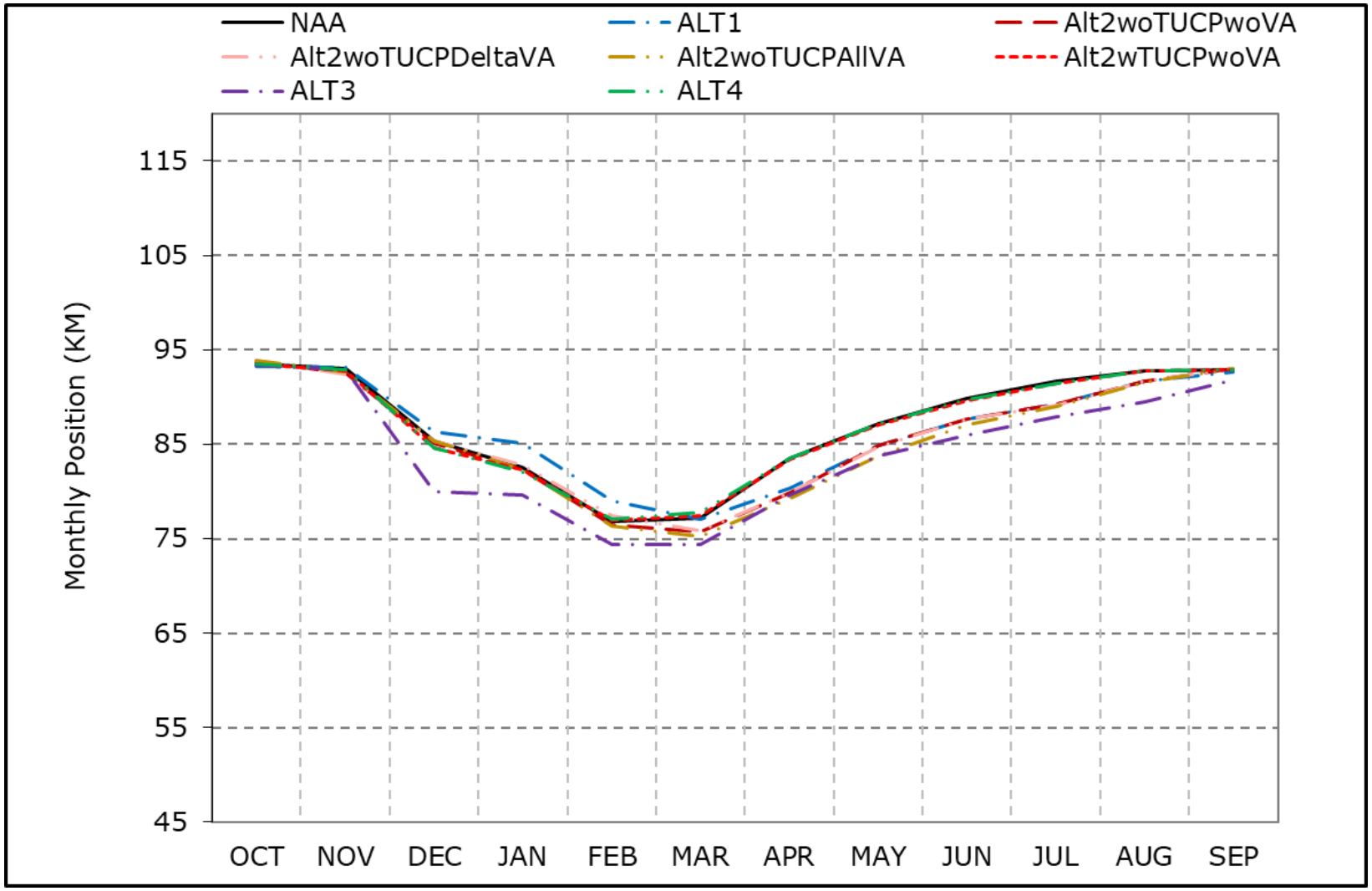
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.6-1-4. X2, Below Normal Year Average Position



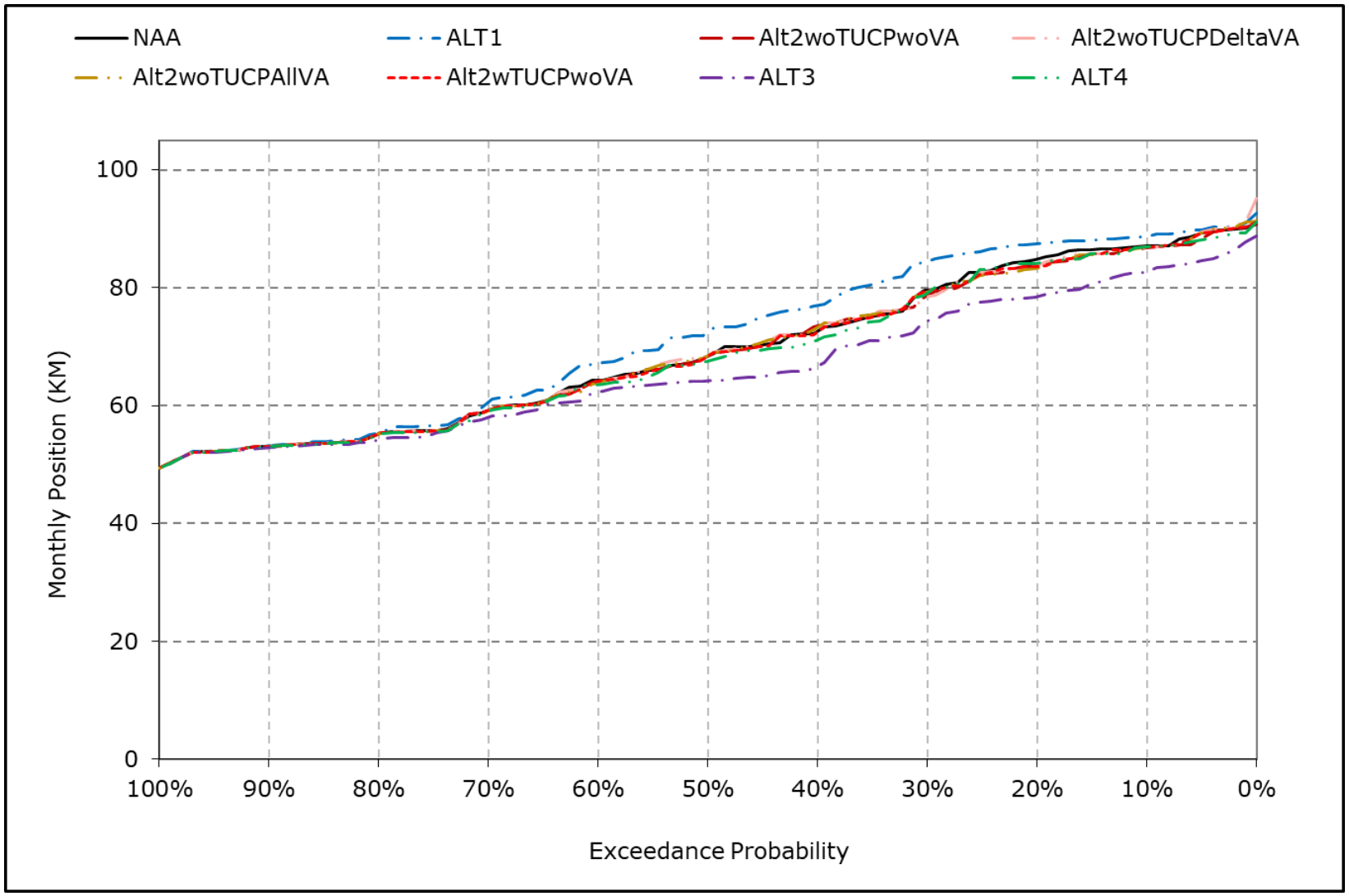
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.6-1-5. X2, Dry Year Average Position



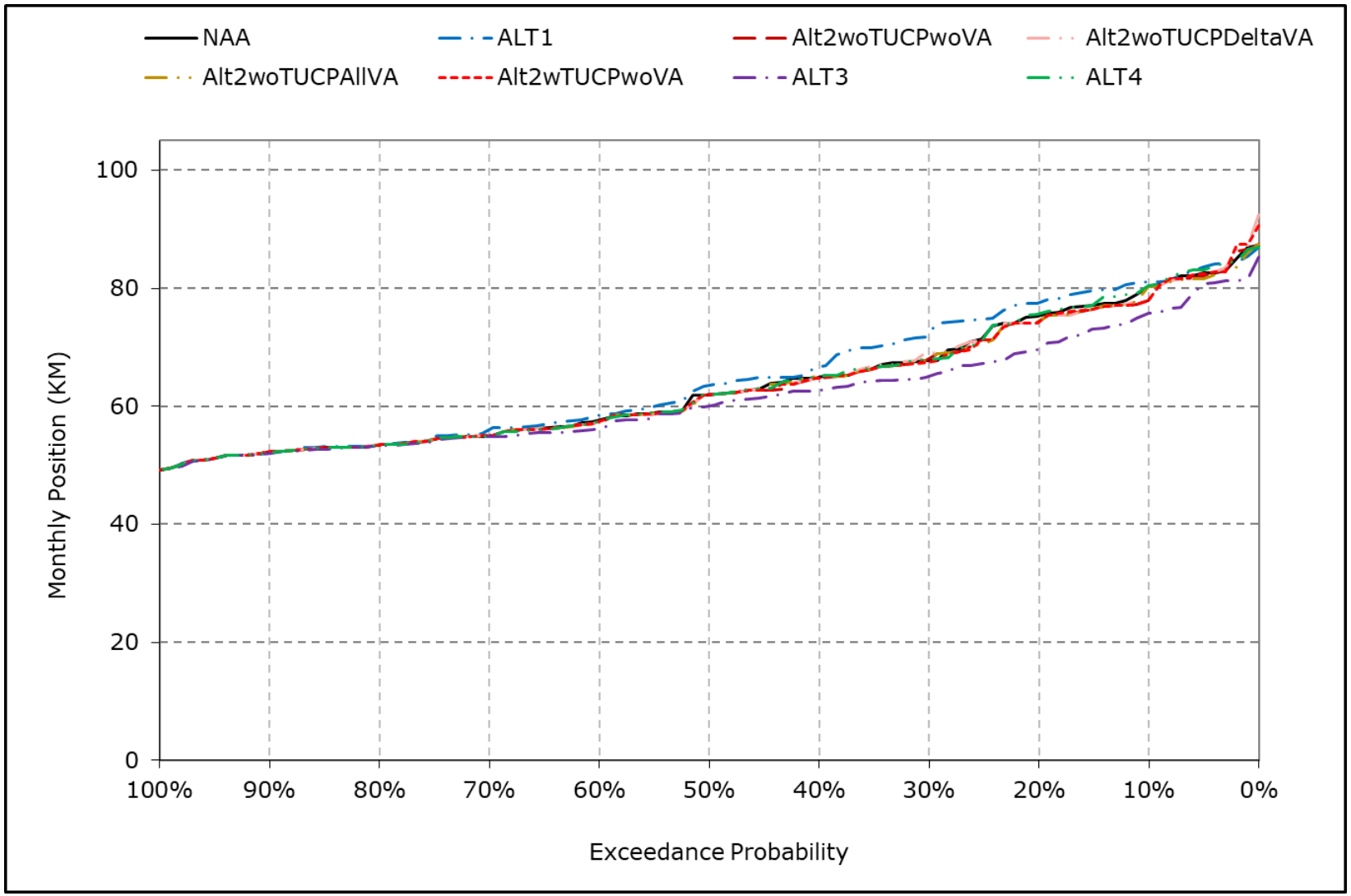
Water year types defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (State Water Resources Control Board D-1641, 1999). These results are displayed with calendar year–year type sorting. All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.6-1-6. X2, Critical Year Average Position



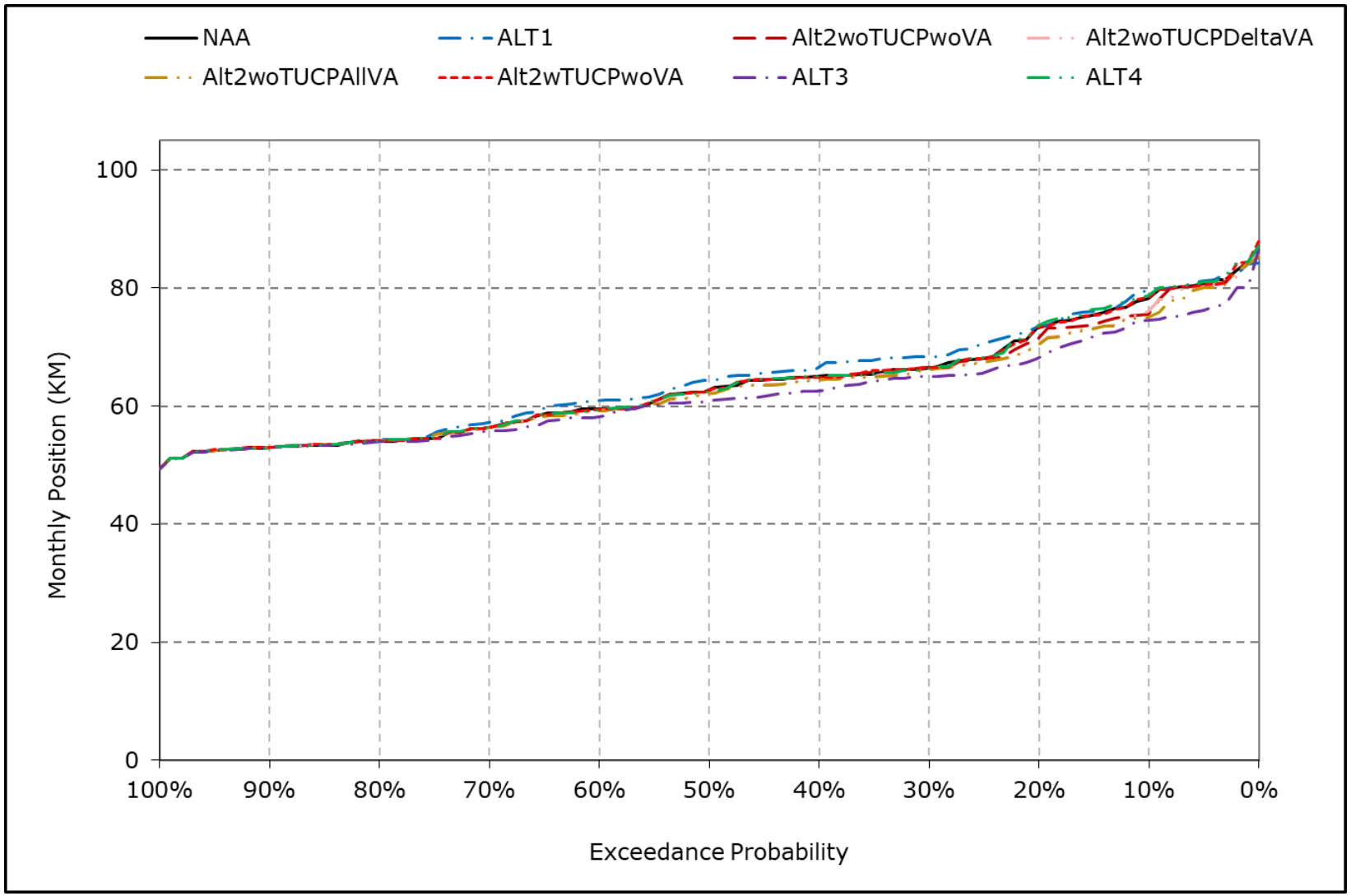
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.6-1-7. X2, January Position



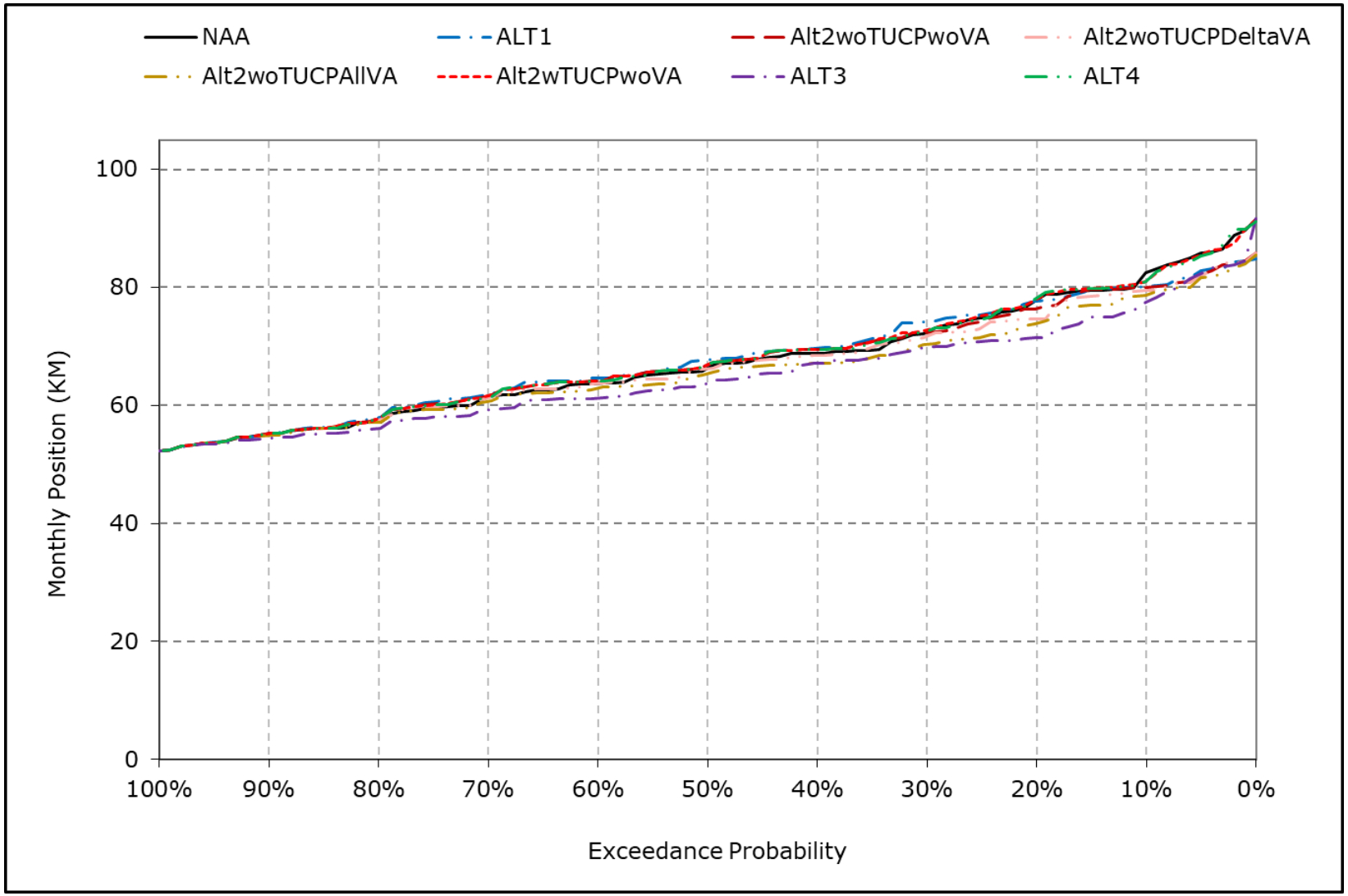
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.6-1-8. X2, February Position



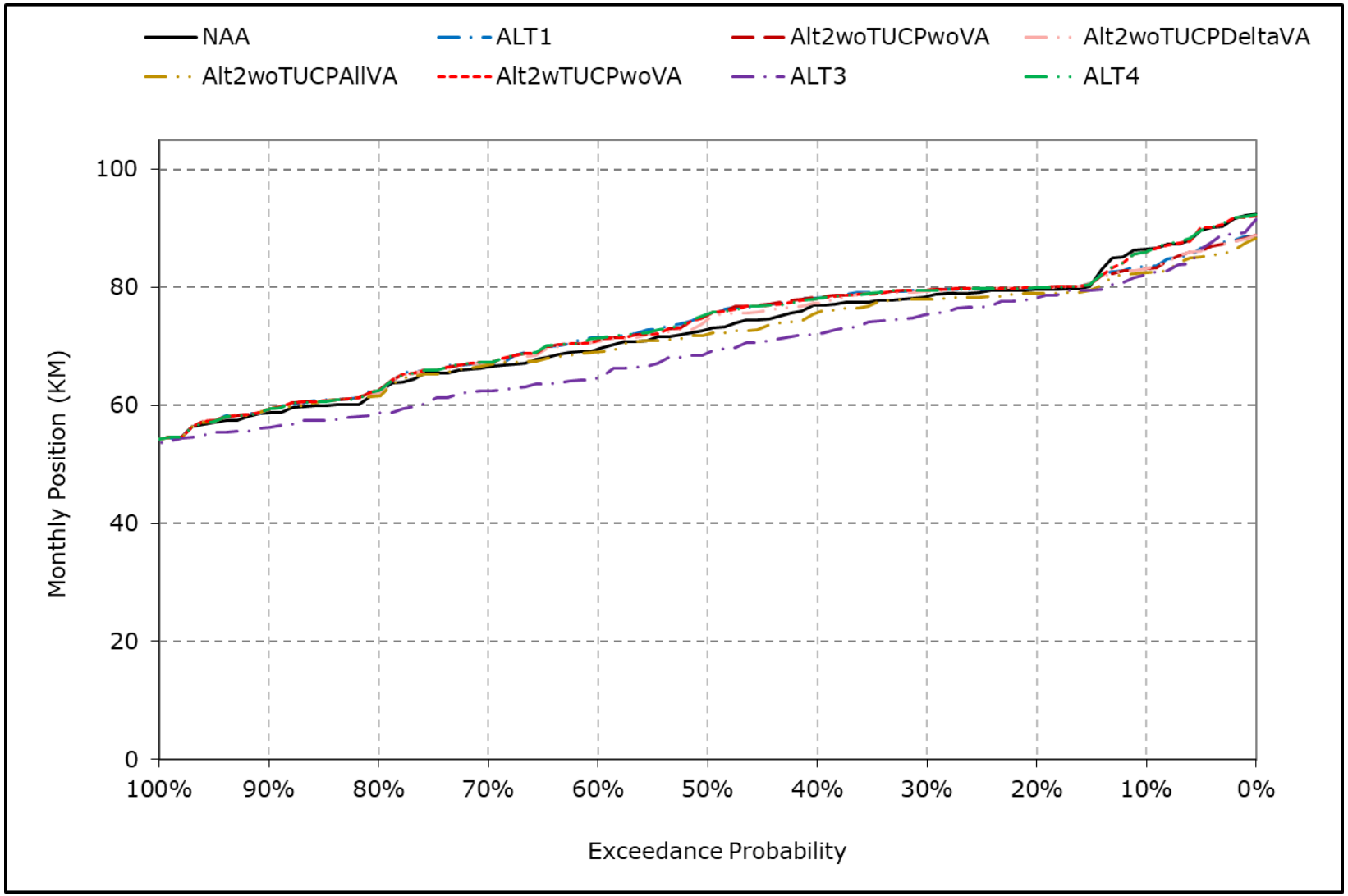
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.6-1-9. X2, March Position



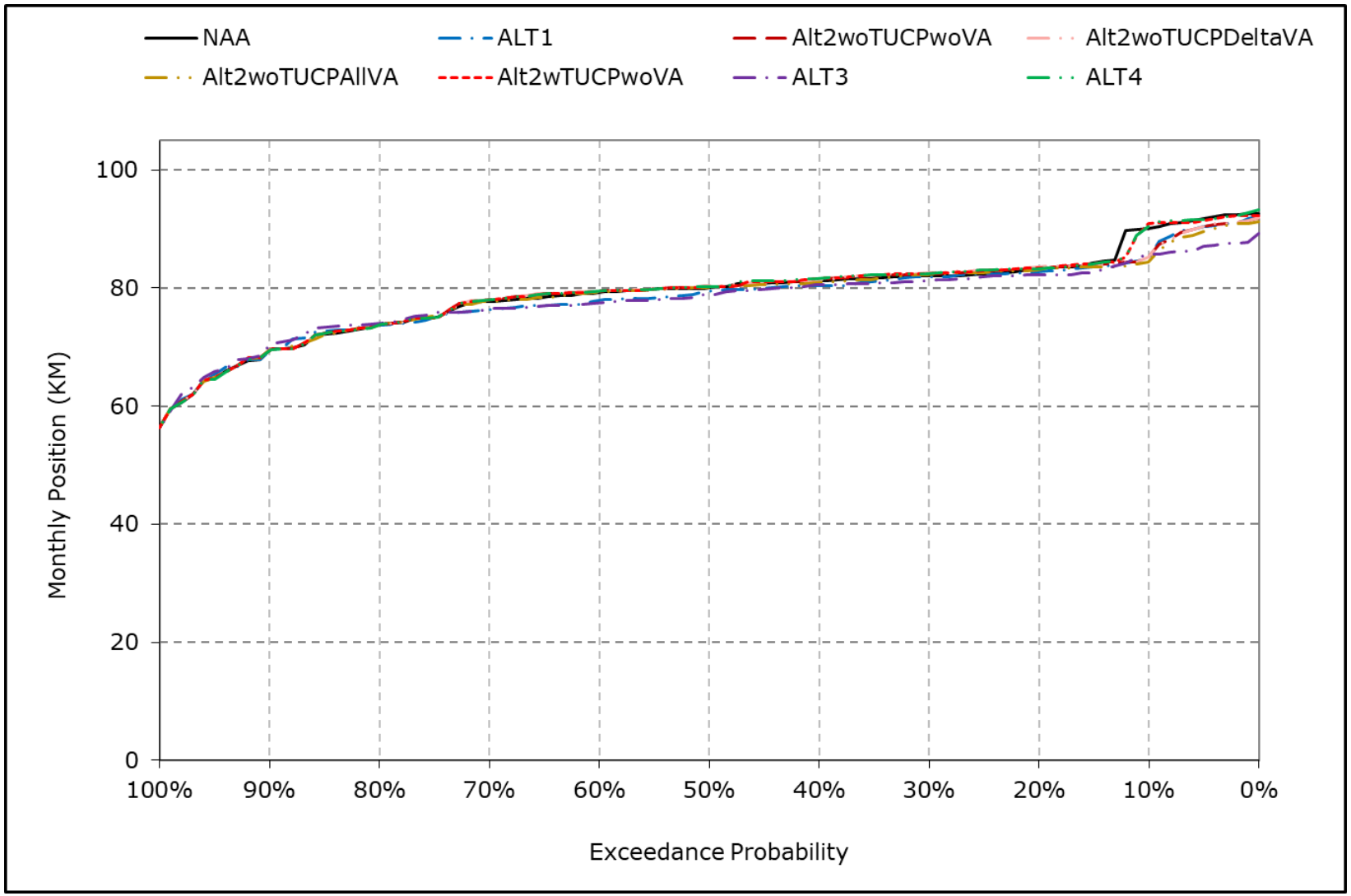
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.6-1-10. X2, April Position



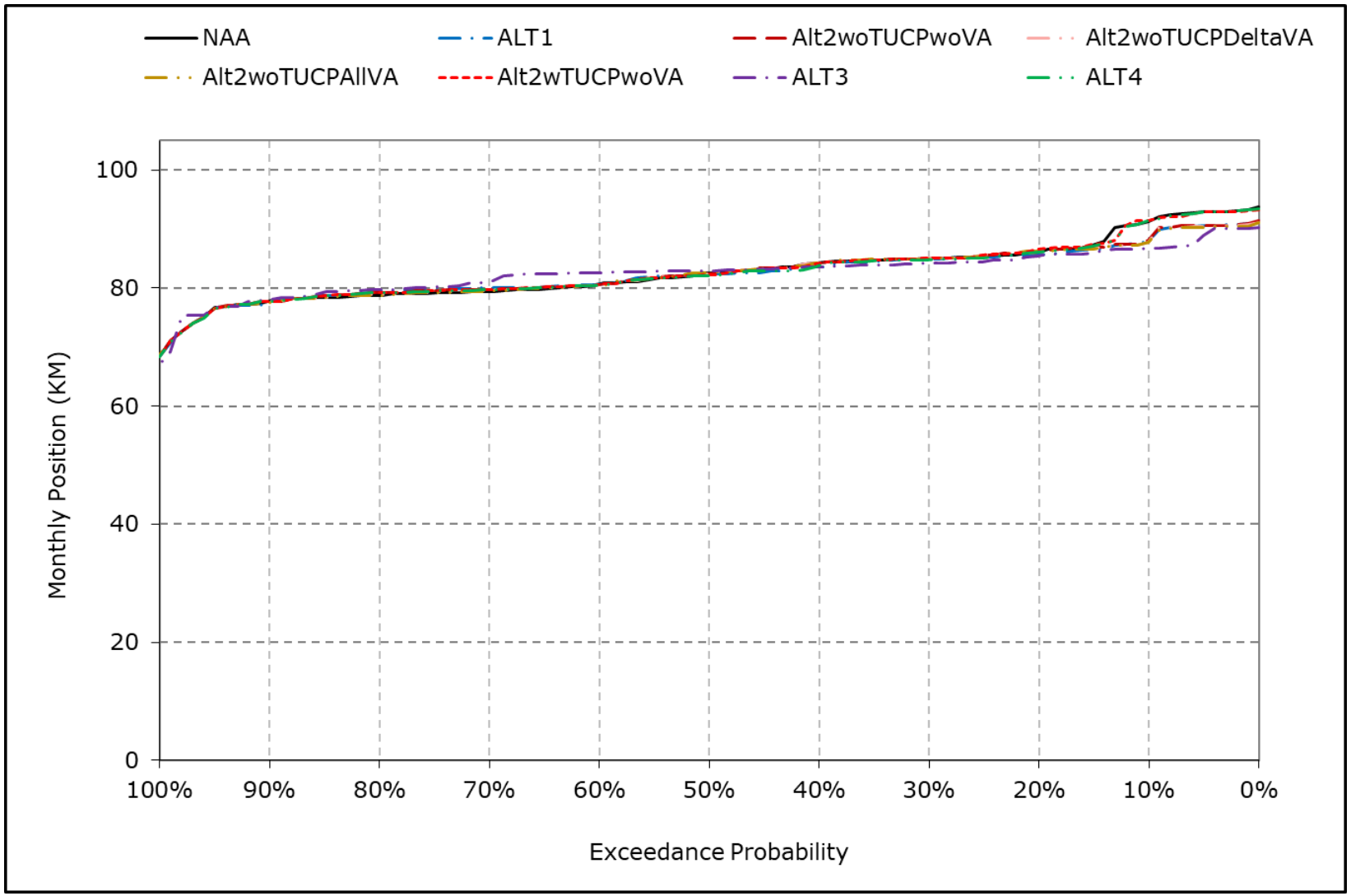
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.6-1-11. X2, May Position



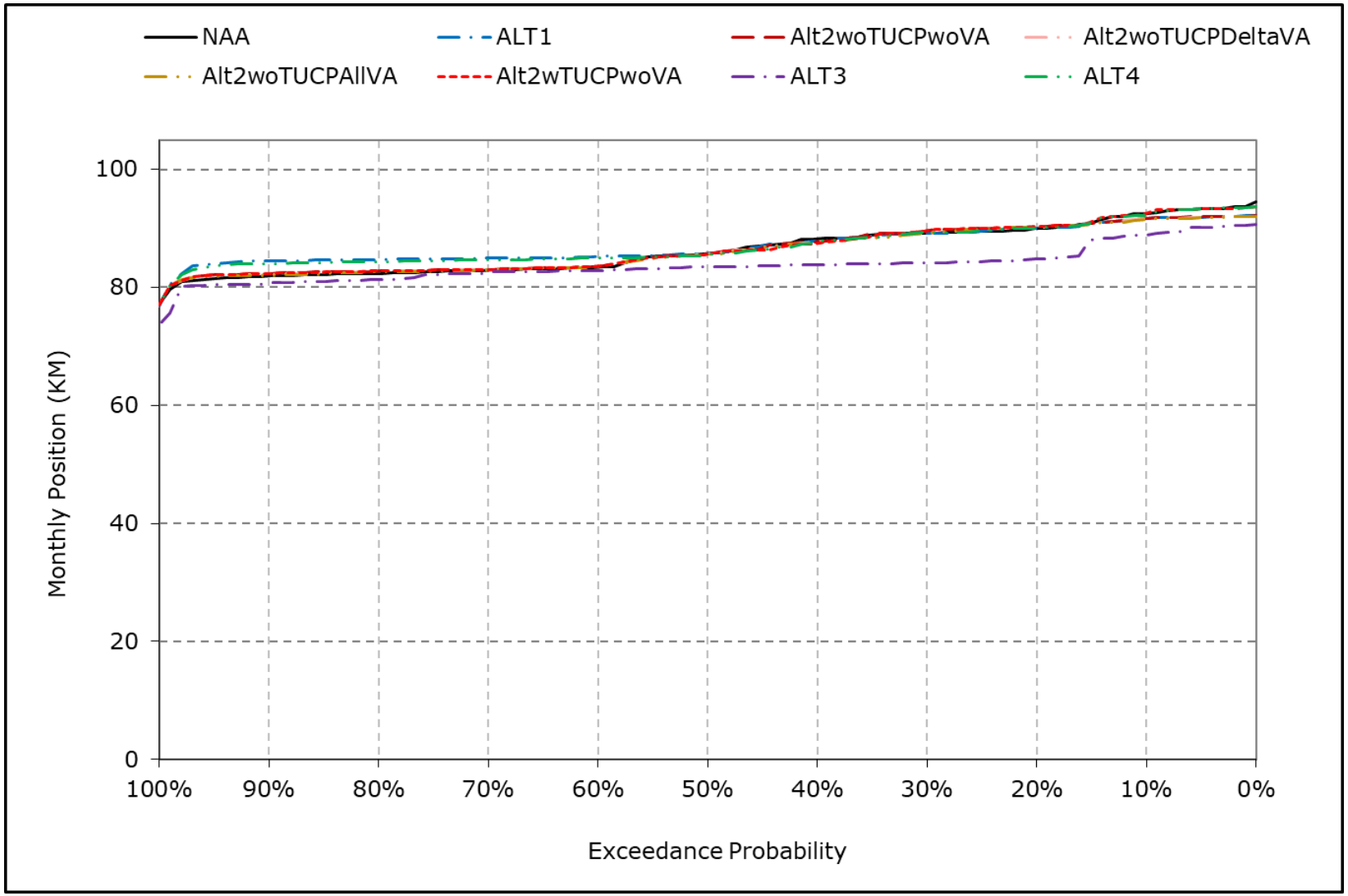
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.6-1-12. X2, June Position



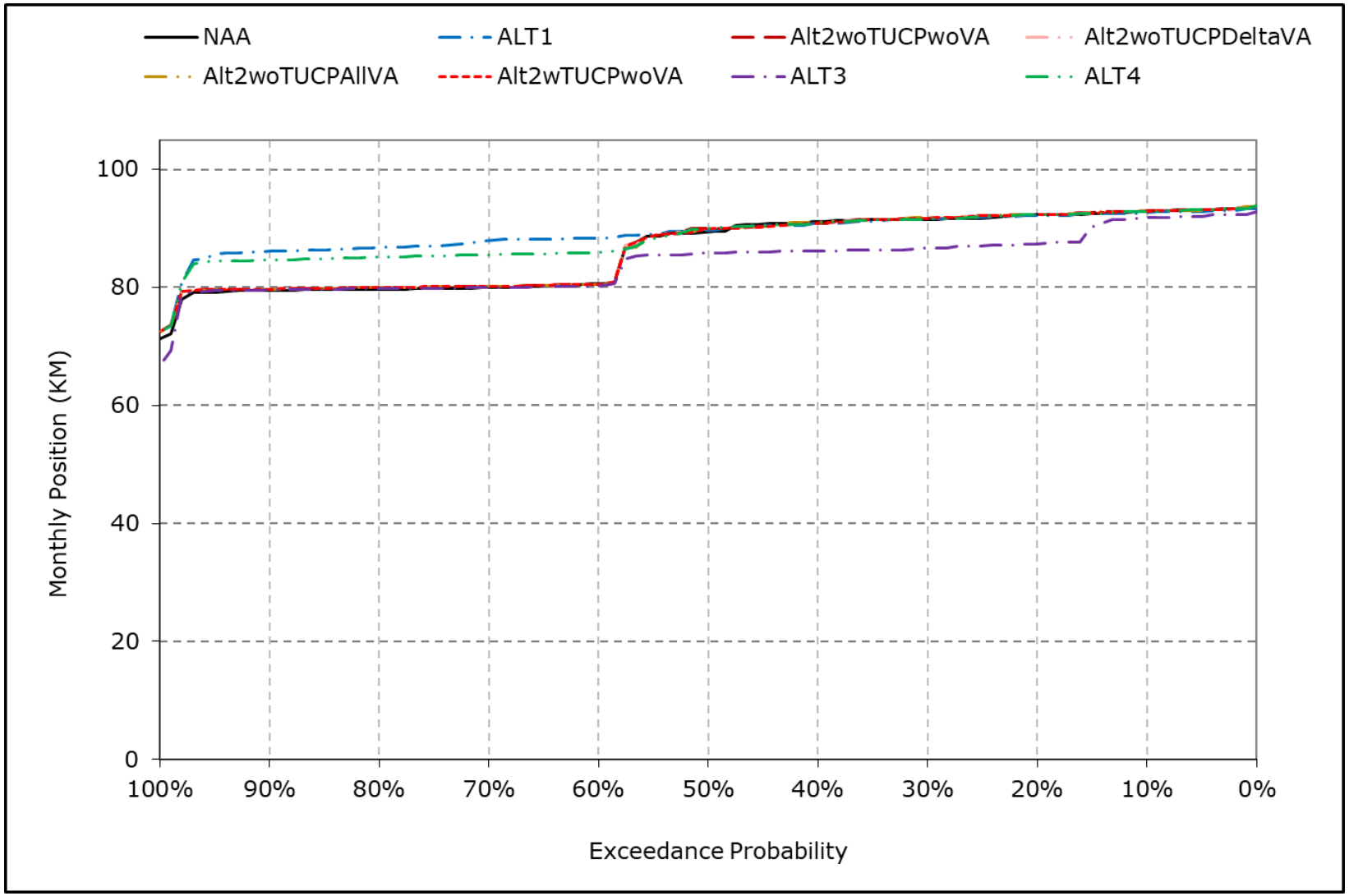
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.6-1-13. X2, July Position



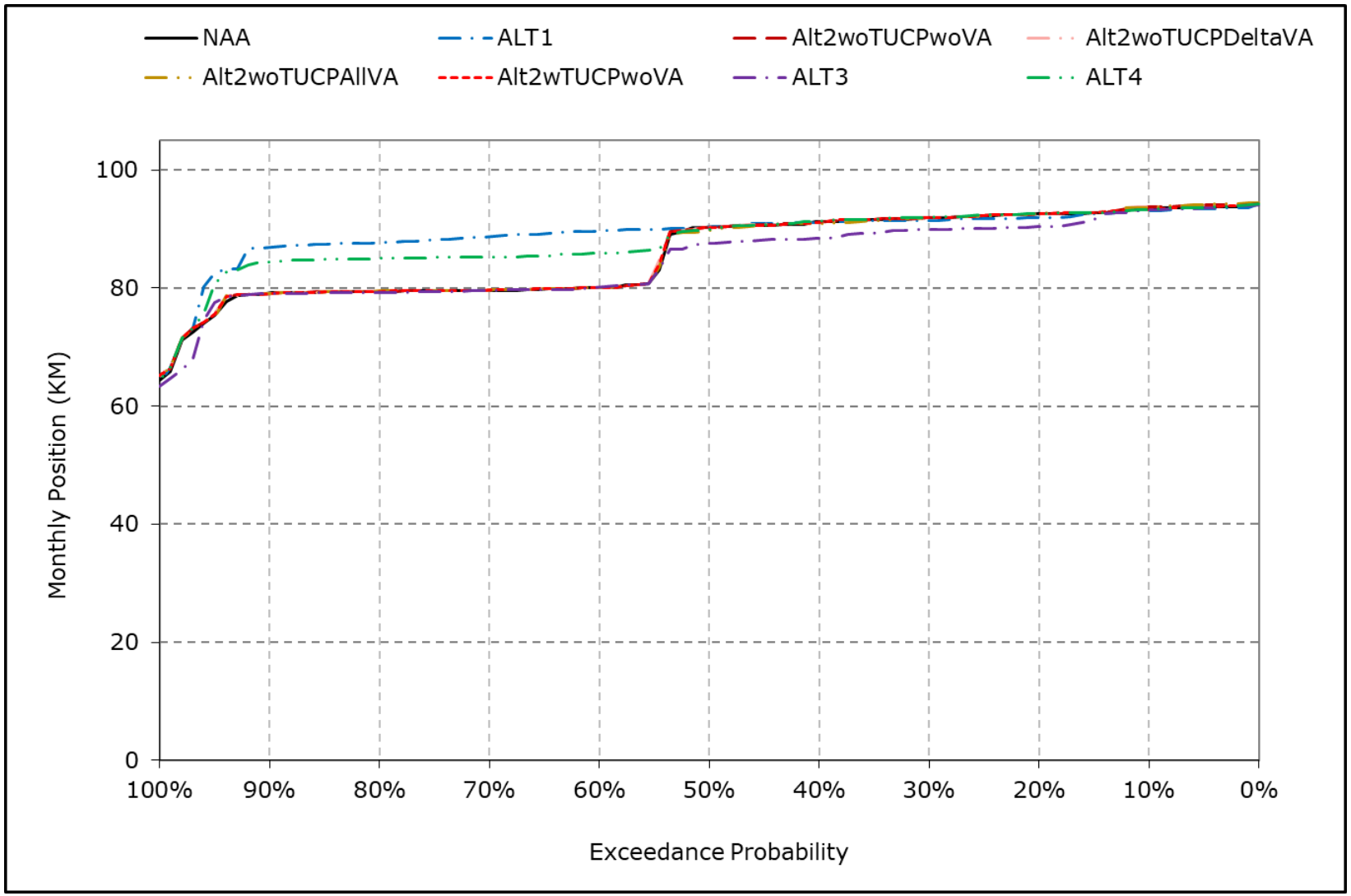
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.6-1-14. X2, August Position



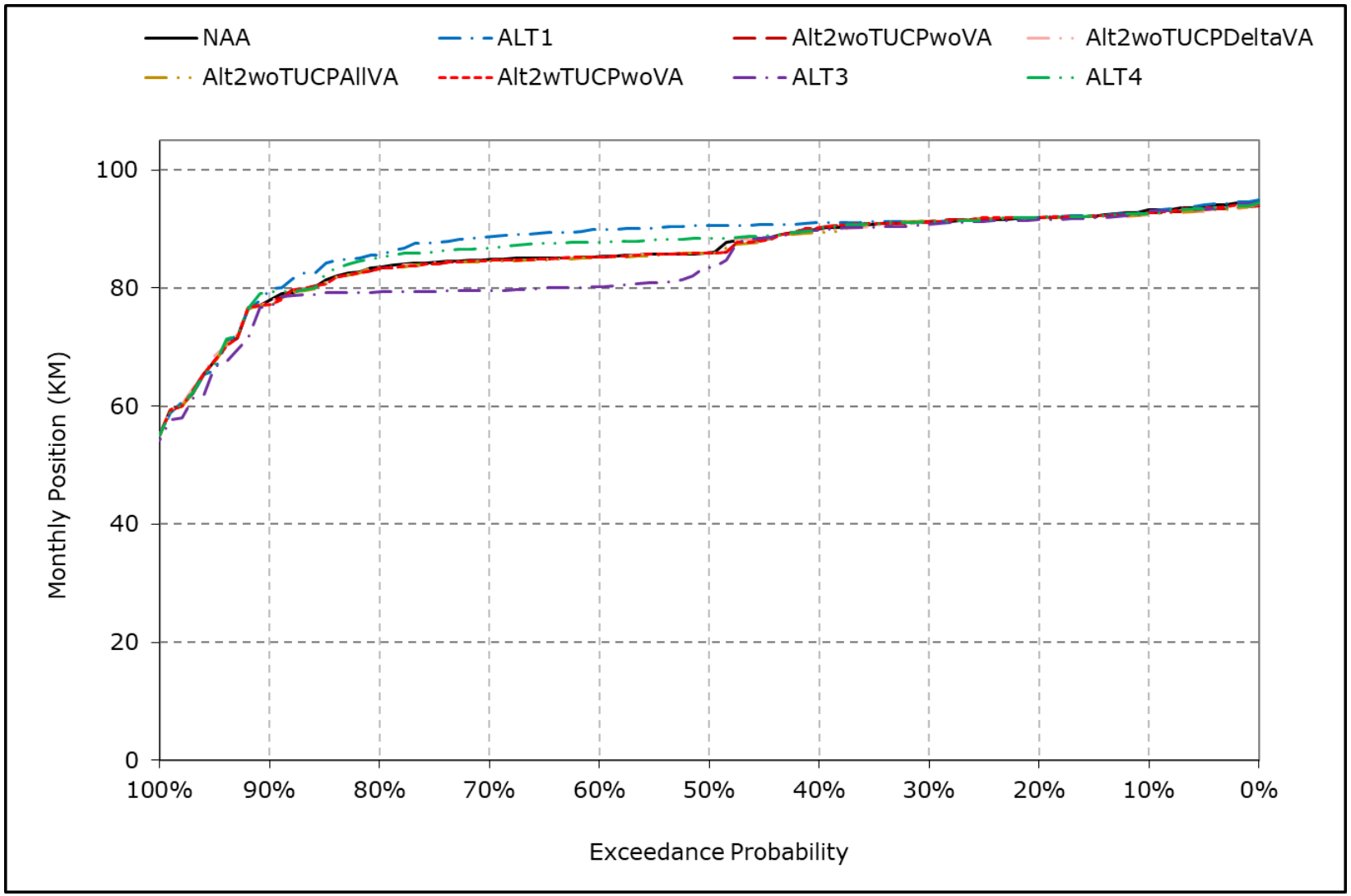
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.6-1-15. X2, September Position



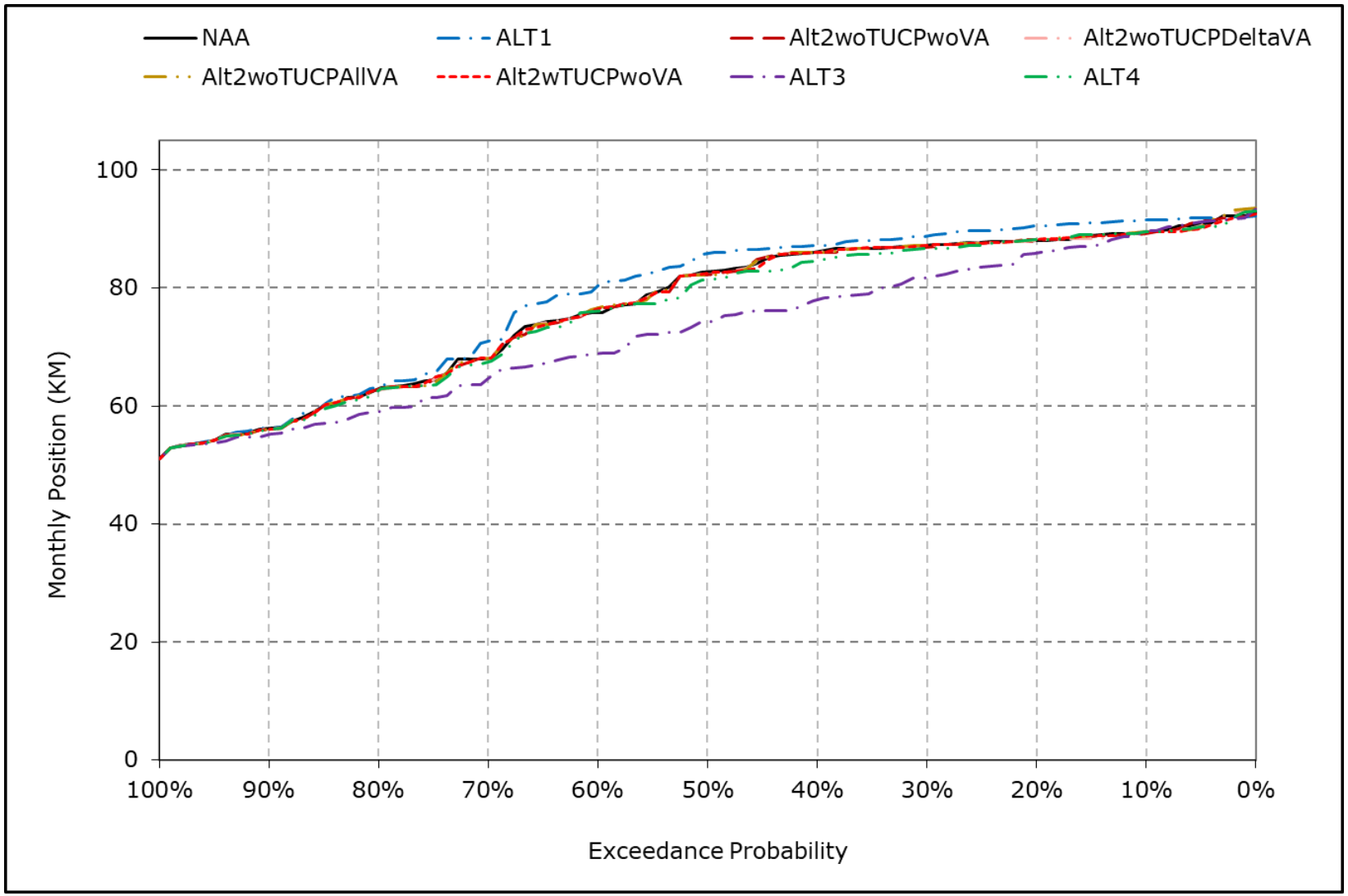
All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.6-1-16. X2, October Position



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.6-1-17. X2, November Position



All scenarios are simulated at the 2022 median climate condition and 15-centimeter sea level rise.

Figure F.2.6-1-18. X2, December Position