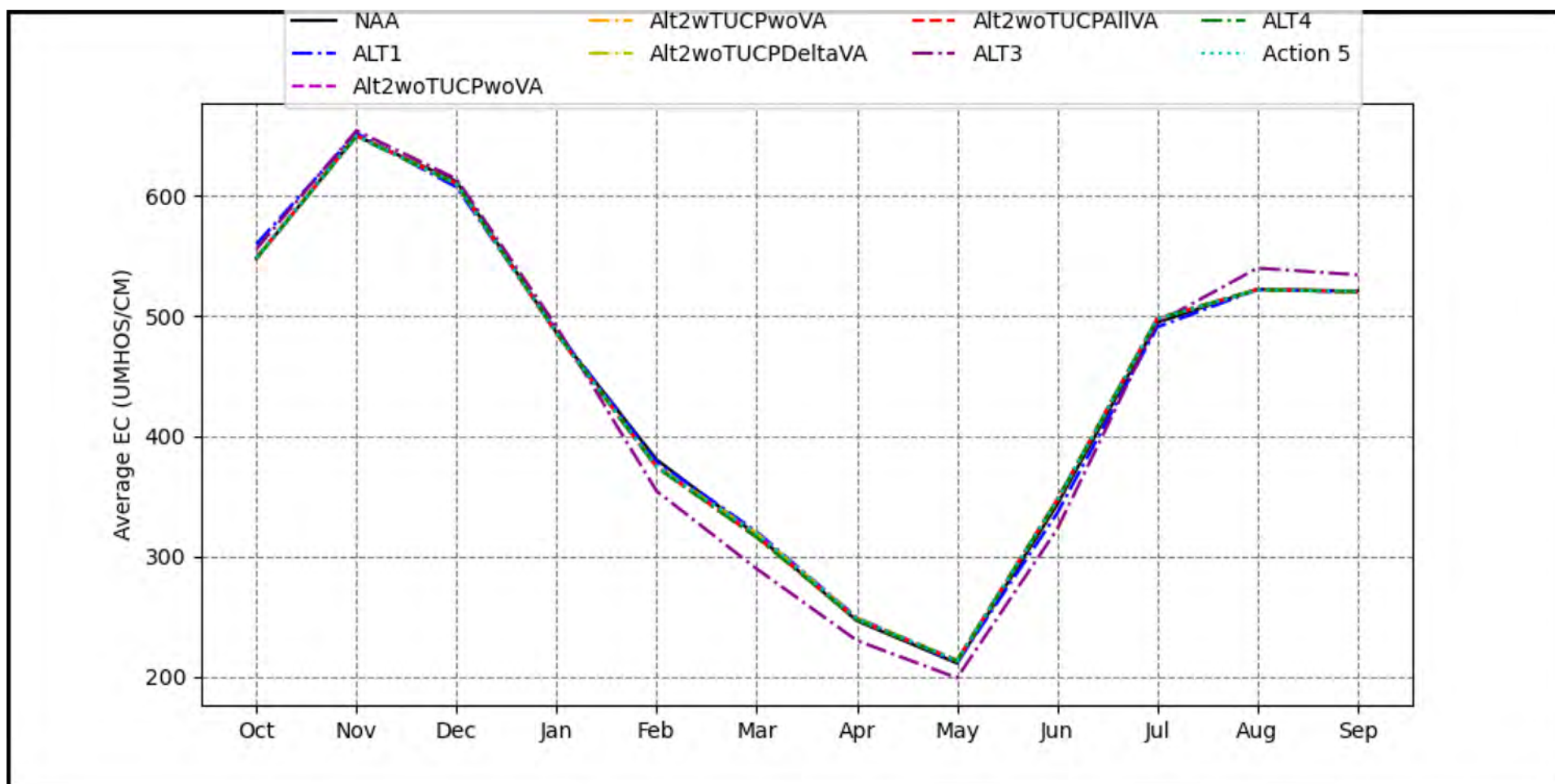


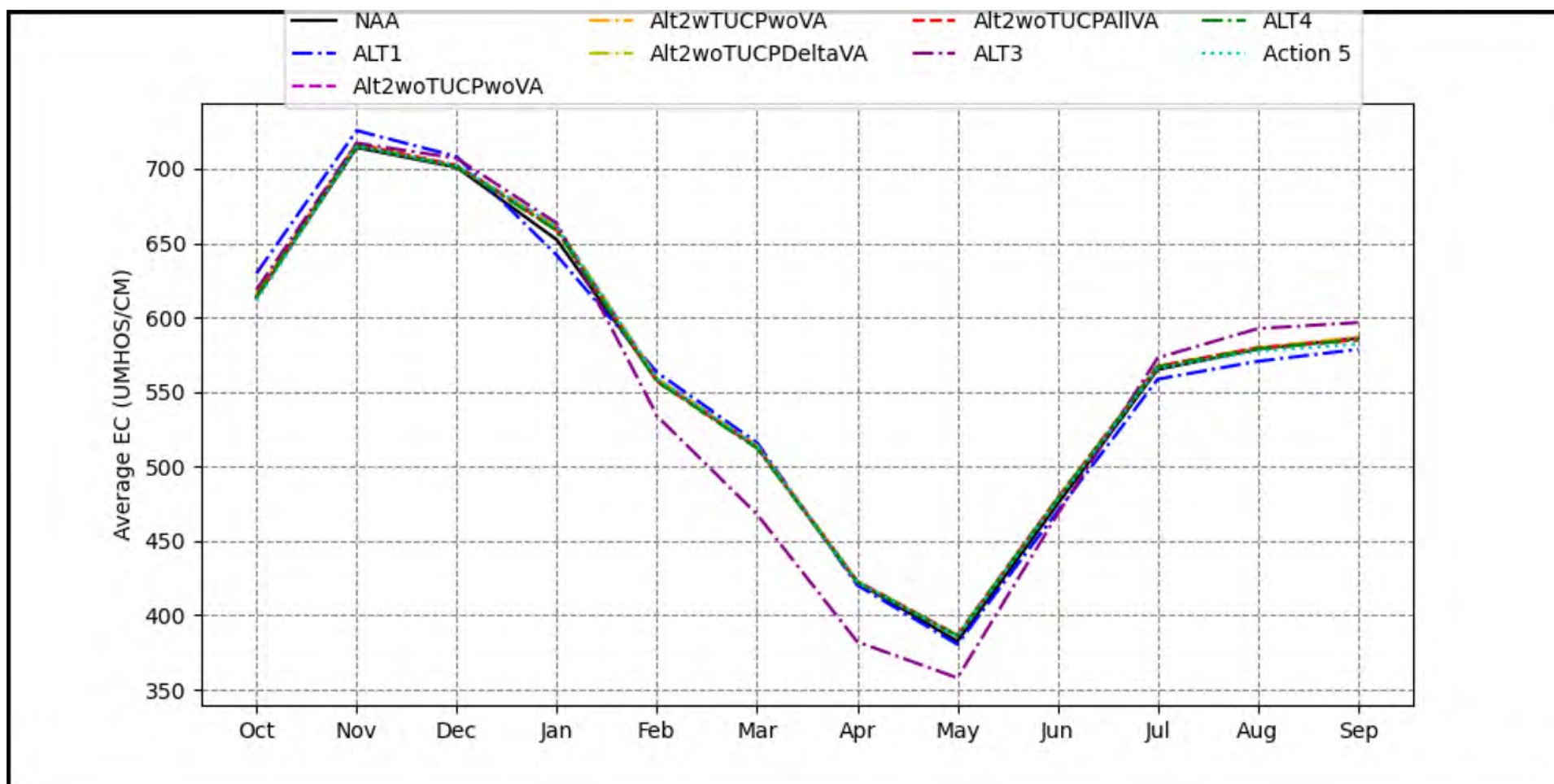


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-8-14 San Joaquin River at Vernalis Salinity (40-30-30), Wet Year Average EC (UMHOS/CM)

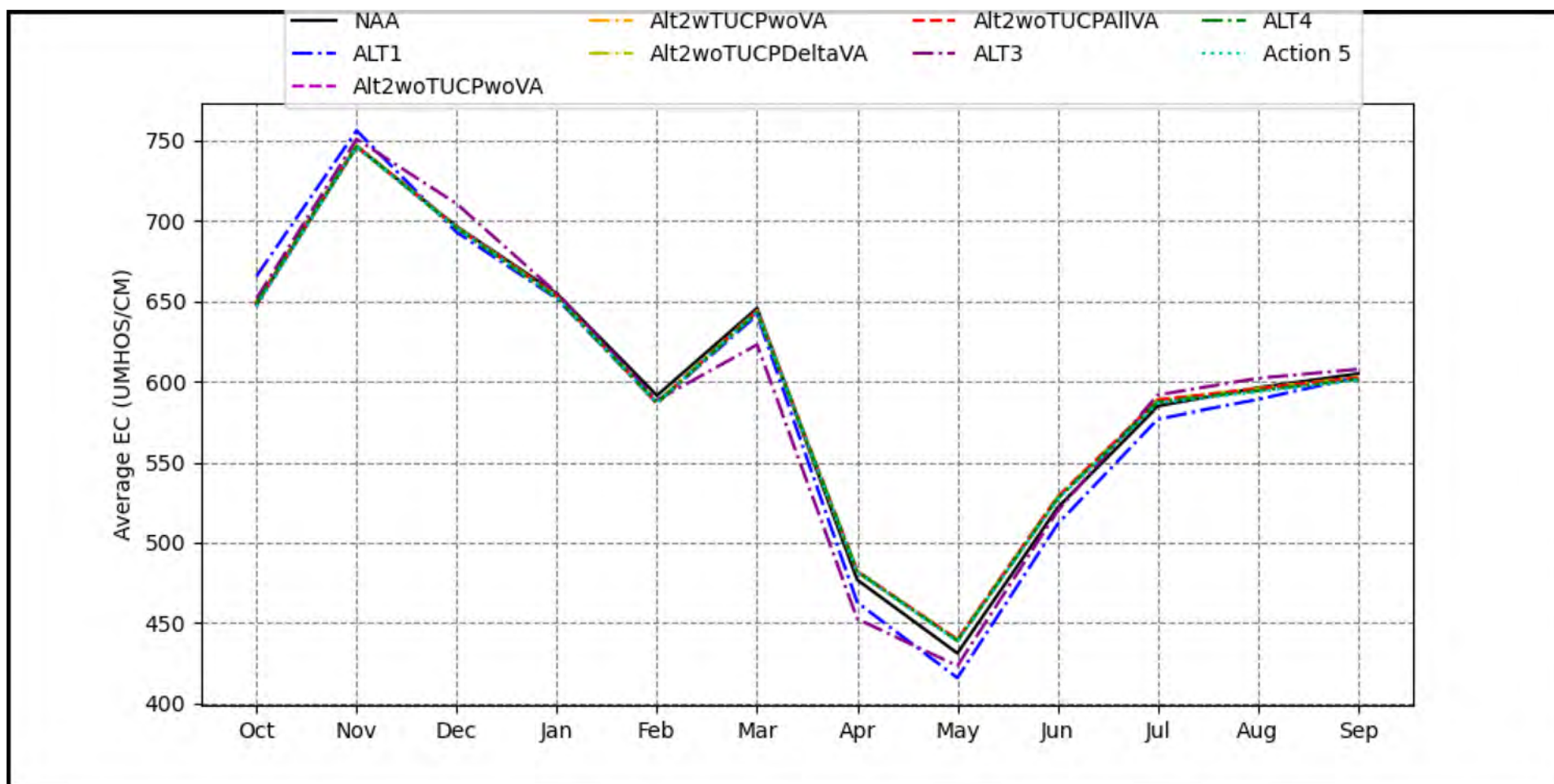


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-8-15 San Joaquin River at Vernalis Salinity (40-30-30), Above Normal Year Average EC (UMHOS/CM)

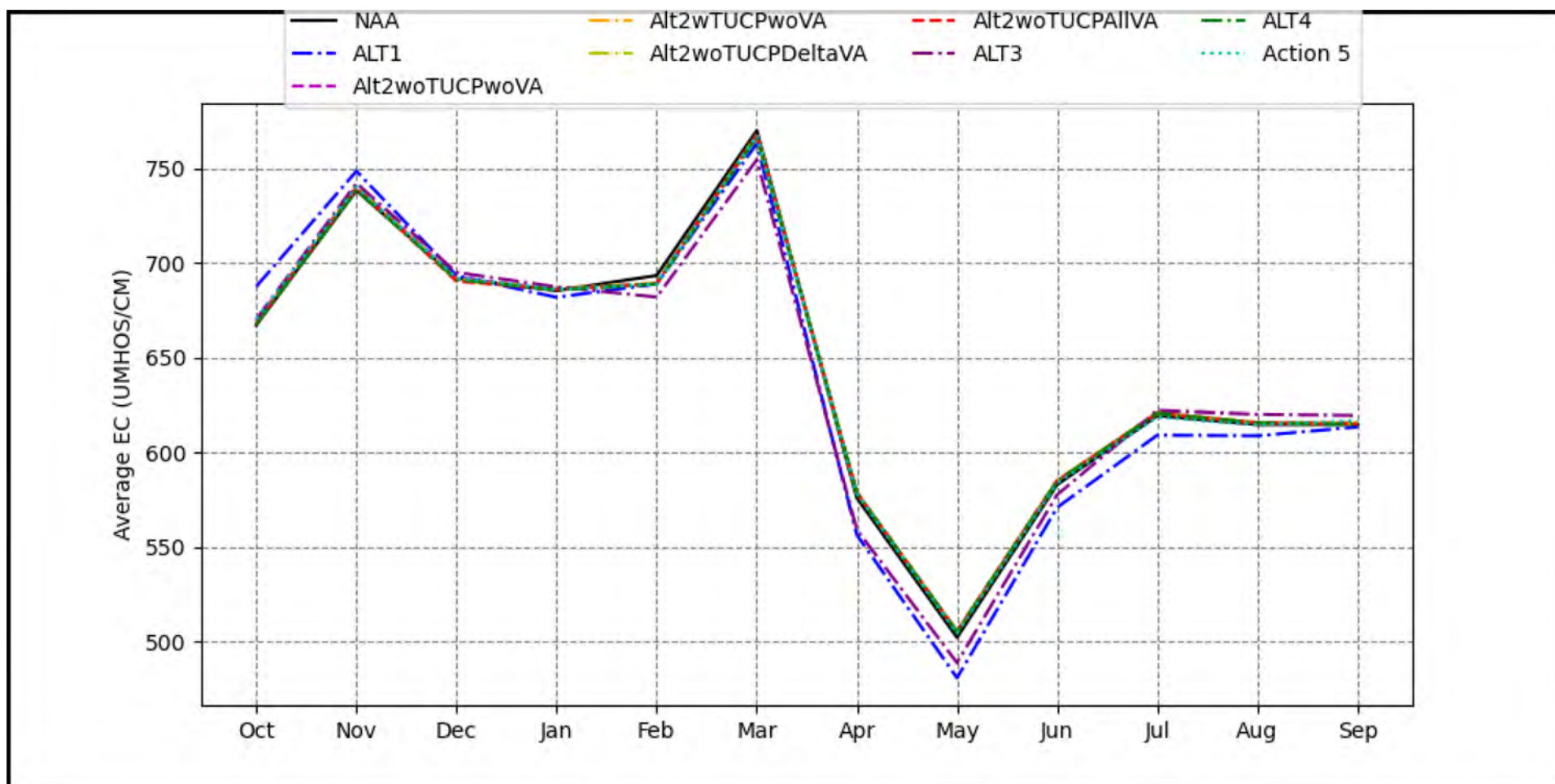


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-8-16 San Joaquin River at Vernalis Salinity (40-30-30), Below Normal Year Average EC (UMHOS/CM)

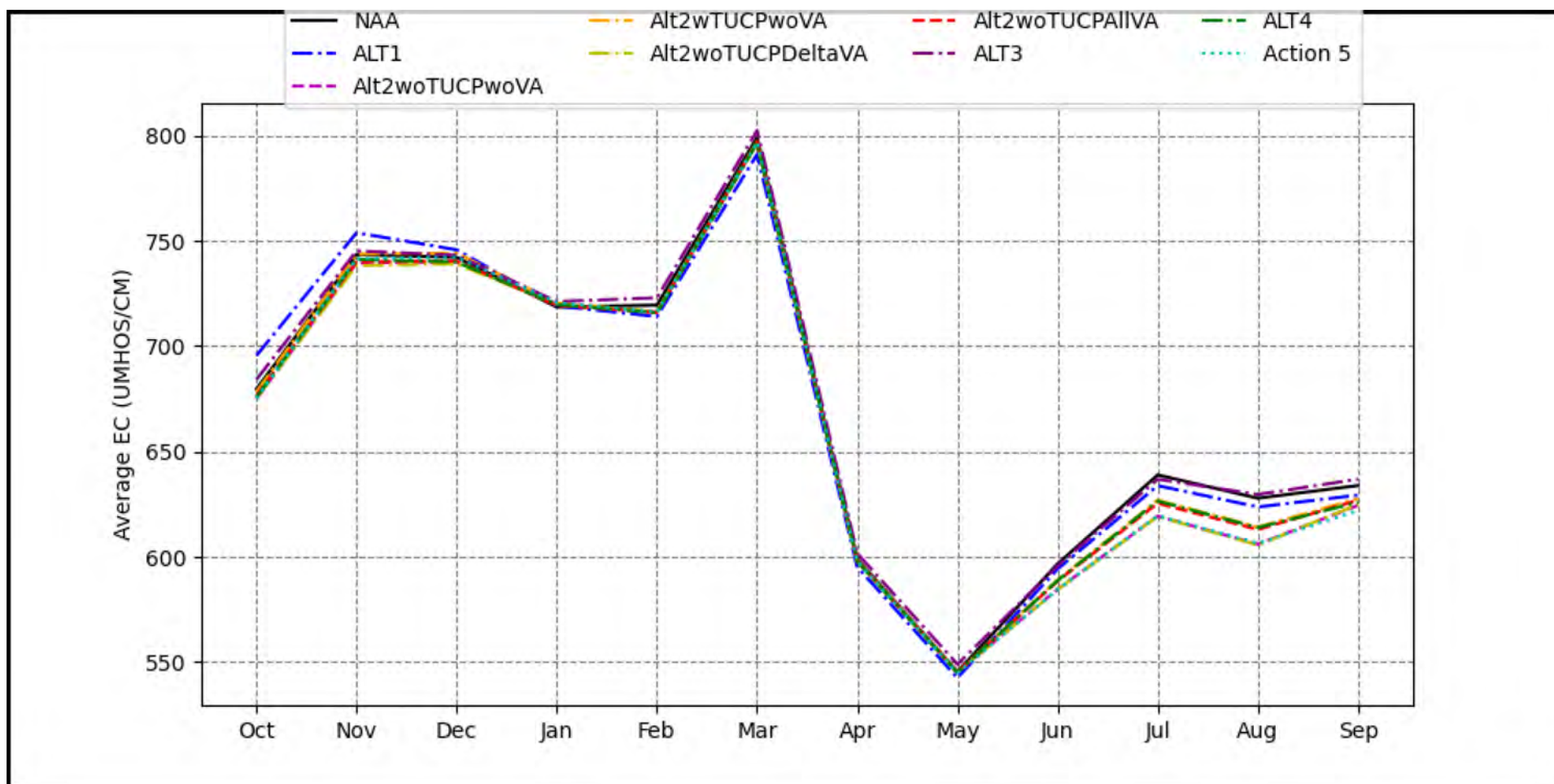


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-8-17 San Joaquin River at Vernalis Salinity (40-30-30), Dry Year Average EC (UMHOS/CM)



*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-8-18 San Joaquin River at Vernalis Salinity (40-30-30), Critical Year Average EC (UMHOS/CM)

F.2.5-9 San Joaquin River at Vernalis Salinity (60-20-20)

Table F.2.5-9-1 a. San Joaquin River at Vernalis Salinity (60-20-20), NAA, Monthly EC (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 Years (21.8%)	509	634	602	552	415	292	225	171	280	470	504	497
Above Normal Years (11.9%)	604	693	603	489	393	421	364	319	464	566	584	587
Below Normal Years (14.9%)	635	710	673	601	539	511	388	364	490	564	575	589
Dry Years (16.8%)	681	744	717	683	683	755	552	487	569	601	610	618
Critical Years (33.7%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-9-1 b. San Joaquin River at Vernalis Salinity (60-20-20), ALT1, Monthly EC (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 Years (21.8%)	519	635	598	555	413	295	227	178	281	472	509	500
Above Normal Years (11.9%)	624	704	604	487	391	420	368	320	453	556	578	584
Below Normal Years (14.9%)	653	720	679	597	547	516	393	365	487	560	567	584
Dry Years (16.8%)	699	753	715	674	674	745	526	463	554	588	600	613
Critical Years (33.7%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-9-1 c. San Joaquin River at Vernalis Salinity (60-20-20), ALT1 Minus NAA, Monthly EC (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 Years (21.8%)	10	1	-4	3	-2	3	3	7	1	2	5	2
Above Normal Years (11.9%)	20	11	1	-3	-2	-1	5	1	-11	-10	-7	-3
Below Normal Years (14.9%)	18	10	5	-4	8	5	5	1	-2	-4	-8	-5
Dry Years (16.8%)	17	9	-2	-9	-9	-10	-26	-24	-15	-14	-10	-5
Critical Years (33.7%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-9-2 a. San Joaquin River at Vernalis Salinity (60-20-20), NAA, Monthly EC (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 Years (21.8%)	509	634	602	552	415	292	225	171	280	470	504	497
Above Normal Years (11.9%)	604	693	603	489	393	421	364	319	464	566	584	587
Below Normal Years (14.9%)	635	710	673	601	539	511	388	364	490	564	575	589
Dry Years (16.8%)	681	744	717	683	683	755	552	487	569	601	610	618
Critical Years (33.7%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-9-2 b. San Joaquin River at Vernalis Salinity (60-20-20), Alt2woTUCPwoVA, Monthly EC (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 Years (21.8%)	508	633	600	557	409	293	224	174	286	474	503	495
Above Normal Years (11.9%)	604	693	603	488	389	420	366	321	465	566	584	587
Below Normal Years (14.9%)	636	711	672	600	539	514	399	372	494	566	576	590
Dry Years (16.8%)	682	745	718	684	677	750	556	496	576	605	610	617
Critical Years (33.7%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-9-2 c. San Joaquin River at Vernalis Salinity (60-20-20), Alt2woTUCPwoVA Minus NAA, Monthly EC (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 Years (21.8%)	-1	0	-2	5	-6	1	-1	2	6	5	-1	-3
Above Normal Years (11.9%)	0	0	-1	-1	-4	-2	2	2	1	0	0	0
Below Normal Years (14.9%)	1	1	-1	-1	0	3	11	8	4	2	0	0
Dry Years (16.8%)	0	1	1	1	-6	-5	4	9	7	4	0	-1
Critical Years (33.7%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-9-3 a. San Joaquin River at Vernalis Salinity (60-20-20), NAA, Monthly EC (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 Years (21.8%)	509	634	602	552	415	292	225	171	280	470	504	497
Above Normal Years (11.9%)	604	693	603	489	393	421	364	319	464	566	584	587
Below Normal Years (14.9%)	635	710	673	601	539	511	388	364	490	564	575	589
Dry Years (16.8%)	681	744	717	683	683	755	552	487	569	601	610	618
Critical Years (33.7%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-9-3 b. San Joaquin River at Vernalis Salinity (60-20-20), Alt2wTUCPwoVA, Monthly EC (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 Years (21.8%)	508	633	600	557	409	293	224	174	285	474	503	495
Above Normal Years (11.9%)	604	693	602	488	389	420	366	320	464	565	584	586
Below Normal Years (14.9%)	637	712	673	600	538	509	397	371	494	566	576	589
Dry Years (16.8%)	684	746	719	681	675	749	556	496	576	605	610	618
Critical Years (33.7%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-9-3 c. San Joaquin River at Vernalis Salinity (60-20-20), Alt2wTUCPwoVA Minus NAA, Monthly EC (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 Years (21.8%)	-1	0	-2	5	-6	1	-1	2	6	5	-1	-3
Above Normal Years (11.9%)	0	0	-1	-1	-3	-2	2	1	0	0	-1	-1
Below Normal Years (14.9%)	2	2	0	-1	-1	-2	9	7	4	2	0	0
Dry Years (16.8%)	2	2	1	-2	-7	-6	4	9	7	3	0	0
Critical Years (33.7%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-9-4 a. San Joaquin River at Vernalis Salinity (60-20-20), NAA, Monthly EC (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 Years (21.8%)	509	634	602	552	415	292	225	171	280	470	504	497
Above Normal Years (11.9%)	604	693	603	489	393	421	364	319	464	566	584	587
Below Normal Years (14.9%)	635	710	673	601	539	511	388	364	490	564	575	589
Dry Years (16.8%)	681	744	717	683	683	755	552	487	569	601	610	618
Critical Years (33.7%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-9-4 b. San Joaquin River at Vernalis Salinity (60-20-20), Alt2woTUCPDeltaVA, Monthly EC (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 Years (21.8%)	508	633	600	557	409	294	224	174	286	474	503	495
Above Normal Years (11.9%)	604	693	603	488	390	420	366	321	465	566	585	587
Below Normal Years (14.9%)	636	711	672	600	539	514	399	372	494	566	576	590
Dry Years (16.8%)	680	744	717	684	677	751	556	496	576	605	610	617
Critical Years (33.7%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-9-4 c. San Joaquin River at Vernalis Salinity (60-20-20), Alt2woTUCPDeltaVA Minus NAA, Monthly EC (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 Years (21.8%)	0	0	-2	5	-6	2	-1	2	6	5	-1	-3
Above Normal Years (11.9%)	0	0	-1	-1	-3	-2	2	2	1	0	0	0
Below Normal Years (14.9%)	1	1	-1	-1	0	3	11	8	4	2	0	0
Dry Years (16.8%)	-1	0	0	1	-6	-4	4	9	7	3	0	-1
Critical Years (33.7%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-9-5 a. San Joaquin River at Vernalis Salinity (60-20-20), NAA, Monthly EC (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 Years (21.8%)	509	634	602	552	415	292	225	171	280	470	504	497
Above Normal Years (11.9%)	604	693	603	489	393	421	364	319	464	566	584	587
Below Normal Years (14.9%)	635	710	673	601	539	511	388	364	490	564	575	589
Dry Years (16.8%)	681	744	717	683	683	755	552	487	569	601	610	618
Critical Years (33.7%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-9-5 b. San Joaquin River at Vernalis Salinity (60-20-20), Alt2woTUCPAIIVA, Monthly EC (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 Years (21.8%)	508	633	600	557	409	293	224	174	285	474	503	495
Above Normal Years (11.9%)	604	693	603	488	389	419	366	321	465	566	584	586
Below Normal Years (14.9%)	636	711	672	600	538	509	397	371	494	565	576	589
Dry Years (16.8%)	681	746	718	682	675	750	556	496	576	605	610	616
Critical Years (33.7%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-9-5 c. San Joaquin River at Vernalis Salinity (60-20-20), Alt2woTUCPALIVA Minus NAA, Monthly EC (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 Years (21.8%)	-1	0	-2	5	-5	1	-1	2	6	5	-1	-3
Above Normal Years (11.9%)	0	0	-1	-1	-4	-2	2	2	1	0	0	0
Below Normal Years (14.9%)	1	1	-1	-1	-1	-2	9	7	4	2	0	0
Dry Years (16.8%)	0	2	1	-1	-7	-5	4	9	7	4	0	-2
Critical Years (33.7%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-9-6 a. San Joaquin River at Vernalis Salinity (60-20-20), NAA, Monthly EC (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 Years (21.8%)	509	634	602	552	415	292	225	171	280	470	504	497
Above Normal Years (11.9%)	604	693	603	489	393	421	364	319	464	566	584	587
Below Normal Years (14.9%)	635	710	673	601	539	511	388	364	490	564	575	589
Dry Years (16.8%)	681	744	717	683	683	755	552	487	569	601	610	618
Critical Years (33.7%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-9-6 b. San Joaquin River at Vernalis Salinity (60-20-20), ALT3, Monthly EC (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 Years (21.8%)	518	638	612	558	394	261	205	163	261	472	525	513
Above Normal Years (11.9%)	608	697	608	498	397	418	364	314	460	570	590	593
Below Normal Years (14.9%)	644	715	679	604	495	484	373	360	491	571	591	602
Dry Years (16.8%)	681	745	718	686	662	697	486	446	553	606	614	619
Critical Years (33.7%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-9-6 c. San Joaquin River at Vernalis Salinity (60-20-20), ALT3 Minus NAA, Monthly EC (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 Years (21.8%)	9	5	9	6	-21	-31	-19	-9	-19	2	21	16
Above Normal Years (11.9%)	4	4	5	9	5	-3	0	-5	-4	4	6	6
Below Normal Years (14.9%)	9	5	6	3	-45	-27	-15	-4	1	8	16	13
Dry Years (16.8%)	-1	1	1	3	-21	-58	-67	-41	-15	5	4	1
Critical Years (33.7%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-9-7 a. San Joaquin River at Vernalis Salinity (60-20-20), NAA, Monthly EC (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 Years (21.8%)	509	634	602	552	415	292	225	171	280	470	504	497
Above Normal Years (11.9%)	604	693	603	489	393	421	364	319	464	566	584	587
Below Normal Years (14.9%)	635	710	673	601	539	511	388	364	490	564	575	589
Dry Years (16.8%)	681	744	717	683	683	755	552	487	569	601	610	618
Critical Years (33.7%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-9-7 b. San Joaquin River at Vernalis Salinity (60-20-20), ALT4, Monthly EC (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 Years (21.8%)	508	633	600	558	409	293	224	174	285	474	503	495
Above Normal Years (11.9%)	604	692	602	488	389	419	366	320	464	565	583	586
Below Normal Years (14.9%)	636	712	673	600	538	508	396	371	493	565	575	588
Dry Years (16.8%)	681	742	716	681	675	749	556	495	575	604	610	618
Critical Years (33.7%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-9-7 c. San Joaquin River at Vernalis Salinity (60-20-20), ALT4 Minus NAA, Monthly EC (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 Years (21.8%)	-1	0	-2	6	-5	1	-1	2	6	5	-1	-3
Above Normal Years (11.9%)	-1	-1	-1	-1	-3	-2	2	1	0	-1	-1	-1
Below Normal Years (14.9%)	1	2	0	-1	-1	-3	9	7	4	2	-1	-1
Dry Years (16.8%)	-1	-2	-1	-2	-8	-6	3	9	7	3	0	-1
Critical Years (33.7%)	-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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-9-8 a. San Joaquin River at Vernalis Salinity (60-20-20), NAA, Monthly EC (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 Years (21.8%)	509	634	602	552	415	292	225	171	280	470	504	497
Above Normal Years (11.9%)	604	693	603	489	393	421	364	319	464	566	584	587
Below Normal Years (14.9%)	635	710	673	601	539	511	388	364	490	564	575	589
Dry Years (16.8%)	681	744	717	683	683	755	552	487	569	601	610	618
Critical Years (33.7%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-9-8 b. San Joaquin River at Vernalis Salinity (60-20-20), Action 5, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	692	776	774	771	731	821	606	552	604	643	631	632
20% Exceedance	676	746	743	718	714	803	600	536	595	633	621	624
30% Exceedance	669	739	729	706	699	783	589	519	587	610	613	620
40% Exceedance	660	733	721	700	688	760	575	508	576	602	605	612
50% Exceedance	650	726	714	689	677	738	513	458	546	593	598	599
60% Exceedance	635	715	697	674	619	550	411	400	505	575	582	588
70% Exceedance	619	698	687	636	540	400	354	344	486	559	568	582
80% Exceedance	565	680	664	510	309	325	286	243	398	535	554	567
90% Exceedance	504	645	576	275	173	212	179	112	271	478	506	470
Full Simulation Period Average^a	624	712	682	626	569	589	450	401	492	572	578	583
Wet Years (21.8%)	508	633	600	557	409	294	224	174	285	474	503	495
Above Normal Years (11.9%)	604	692	602	488	389	419	366	320	464	565	583	586
Below Normal Years (14.9%)	634	710	672	600	539	513	398	371	493	565	574	588
Dry Years (16.8%)	683	745	718	683	676	750	556	495	574	602	609	619
Critical Years (33.7%)	673	757	741	702	694	792	595	542	595	625	612	619

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-9-8 c. San Joaquin River at Vernalis Salinity (60-20-20), Action 5 Minus NAA, Monthly EC (UMHOS/CM)

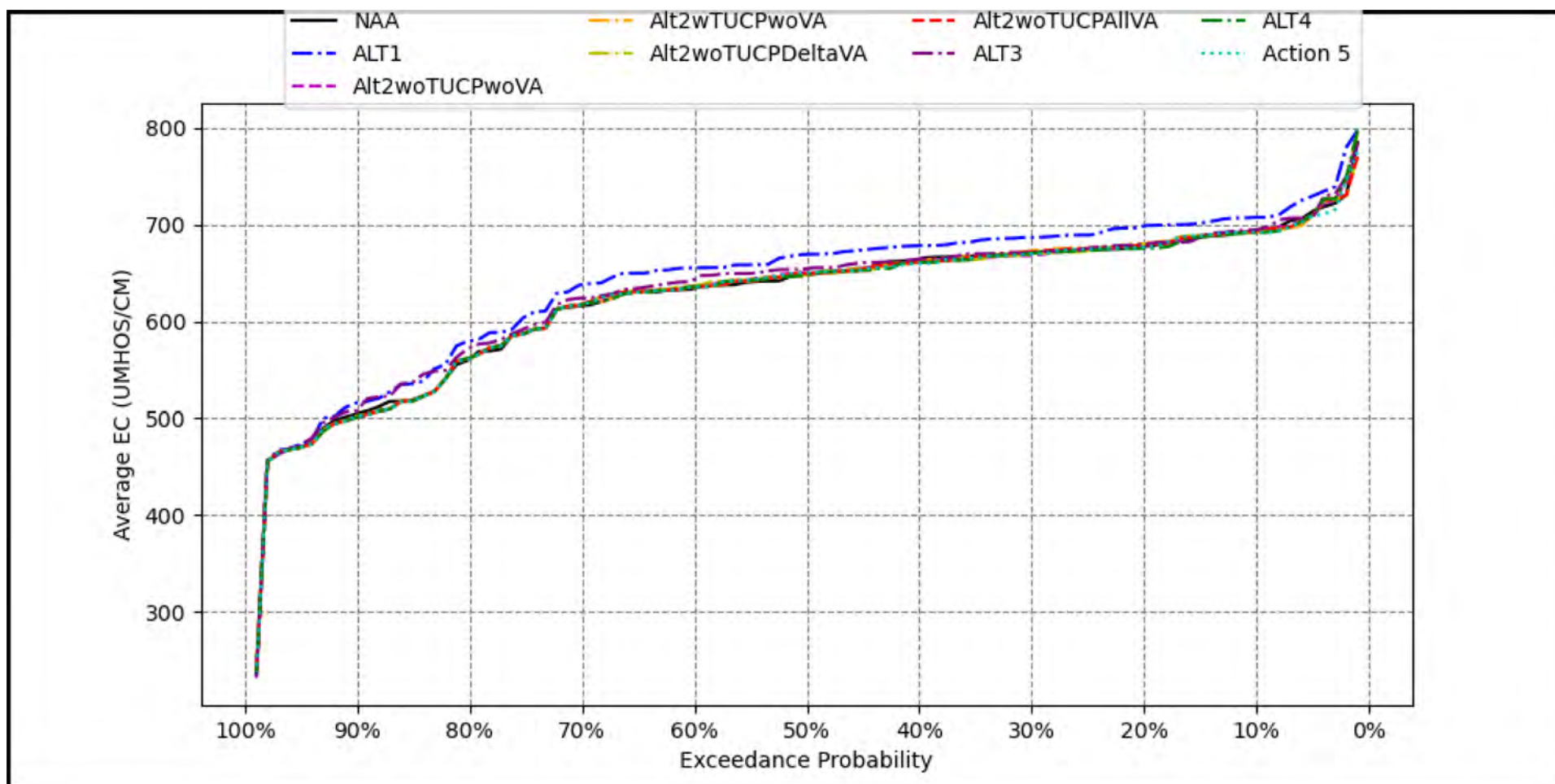
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	9	-13	1	-8	-1	-2	-1	-6	-2	1	-2
20% Exceedance	0	0	-1	1	-1	-4	-1	-1	-1	-5	-6	-4
30% Exceedance	-2	1	0	-1	-4	-3	2	-1	0	-5	-3	-2
40% Exceedance	-4	1	2	2	-4	-3	3	6	1	-1	-4	-4
50% Exceedance	2	2	4	2	-4	2	-1	6	-1	-3	-2	-2
60% Exceedance	1	4	0	1	-3	-21	-1	9	0	2	-4	-1
70% Exceedance	2	0	0	0	-3	-3	4	8	6	-4	-4	0
80% Exceedance	-2	0	1	-19	-3	0	-1	0	10	0	-5	0
90% Exceedance	-4	-1	-3	1	0	-3	-5	0	0	0	-19	-10
Full Simulation Period Average^a	0	0	0	1	-4	-1	2	3	1	-2	-4	-3
Wet Years (21.8%)	-1	-1	-2	5	-6	2	-1	2	6	5	-1	-3
Above Normal Years (11.9%)	-1	-1	-1	-1	-3	-2	2	1	0	-1	-1	-1
Below Normal Years (14.9%)	-1	0	-1	-1	-1	2	10	7	4	2	-2	-2
Dry Years (16.8%)	2	2	1	0	-6	-4	3	8	6	1	-1	1
Critical Years (33.7%)	-1	0	0	1	-4	-2	-1	-1	-6	-10	-10	-6

^a Based on the 100-year simulation period.

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

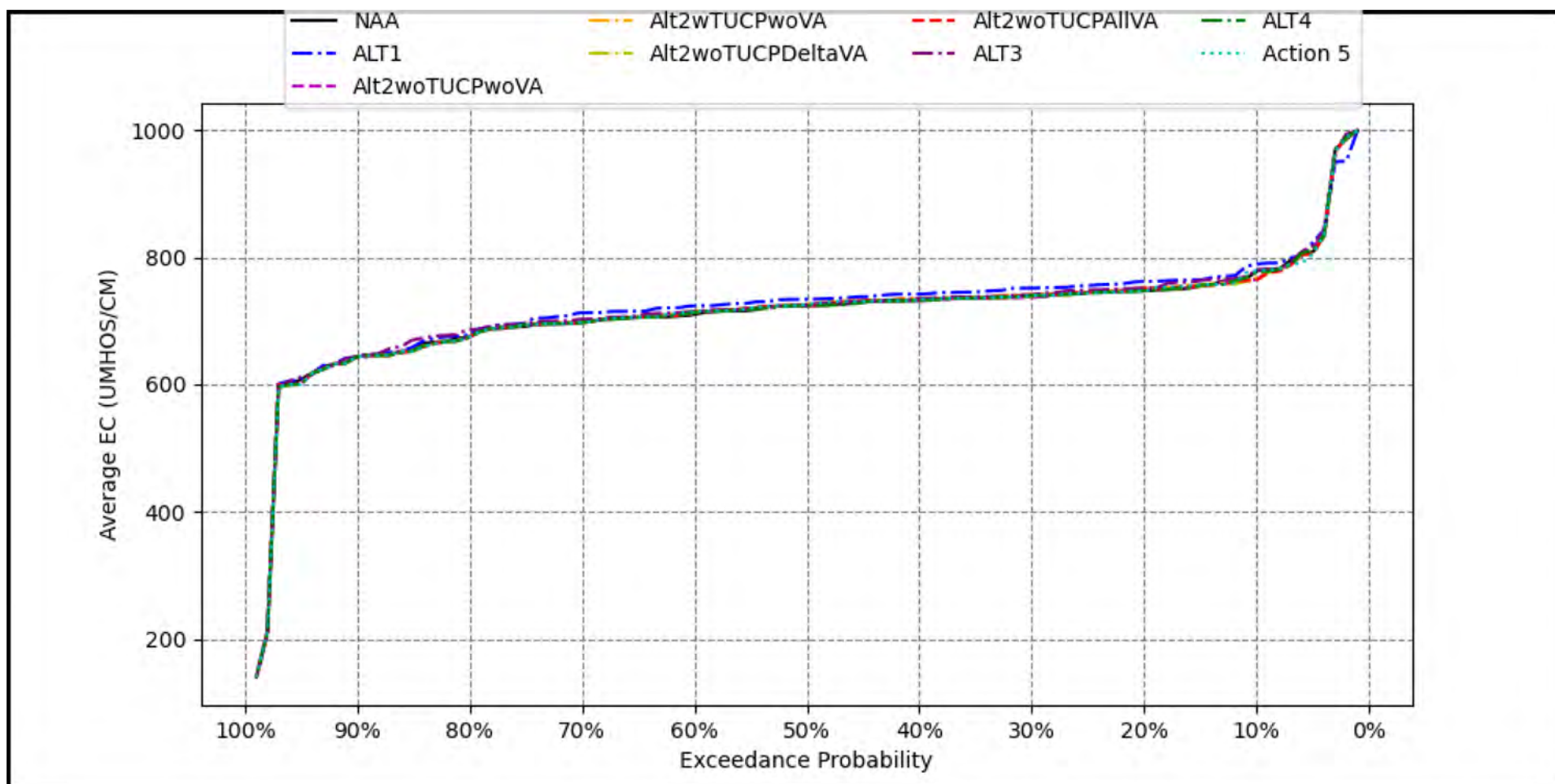
* Water Year Types defined by the 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.



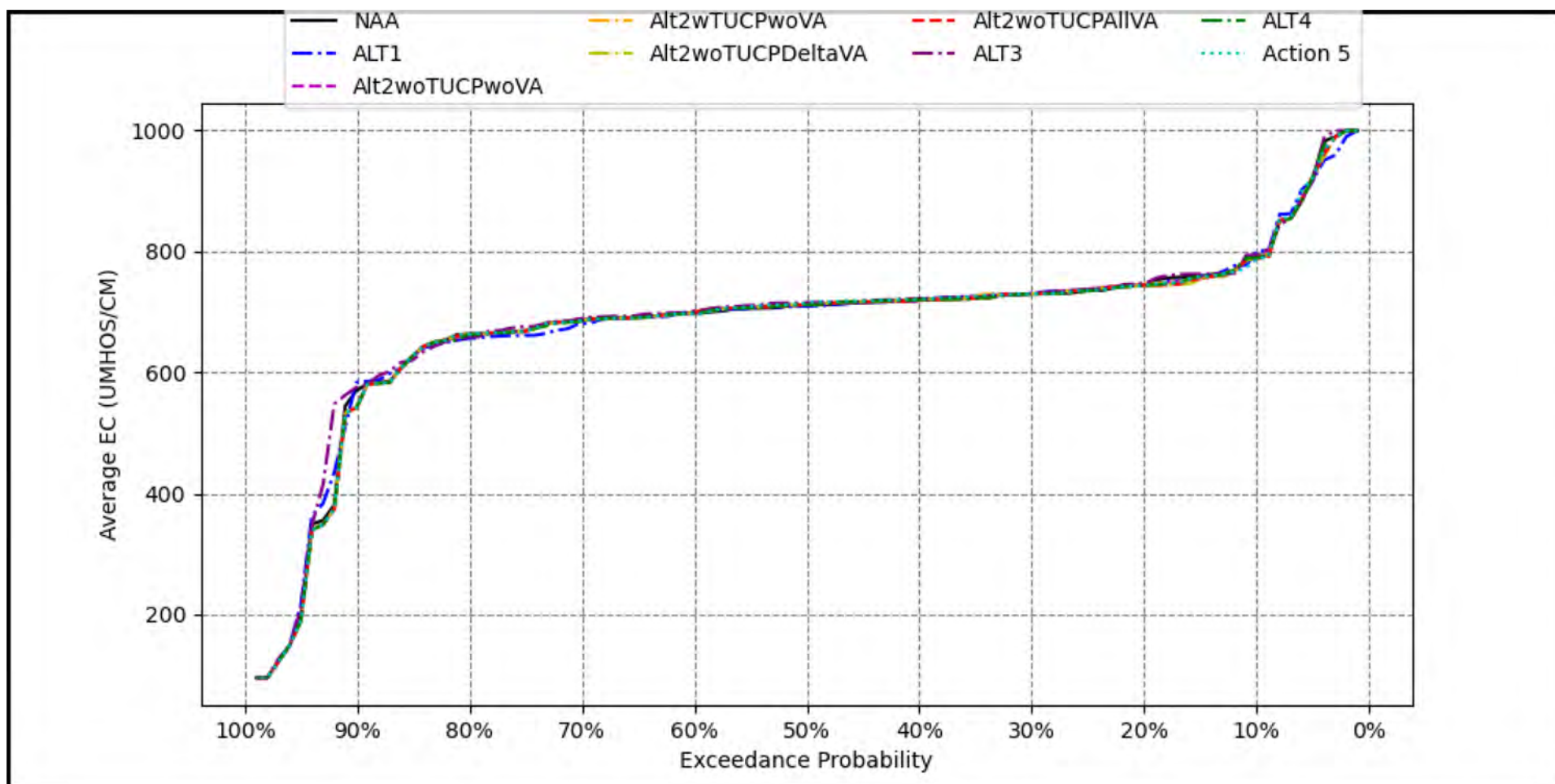
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-9-1 San Joaquin River at Vernalis Salinity (60-20-20), October EC



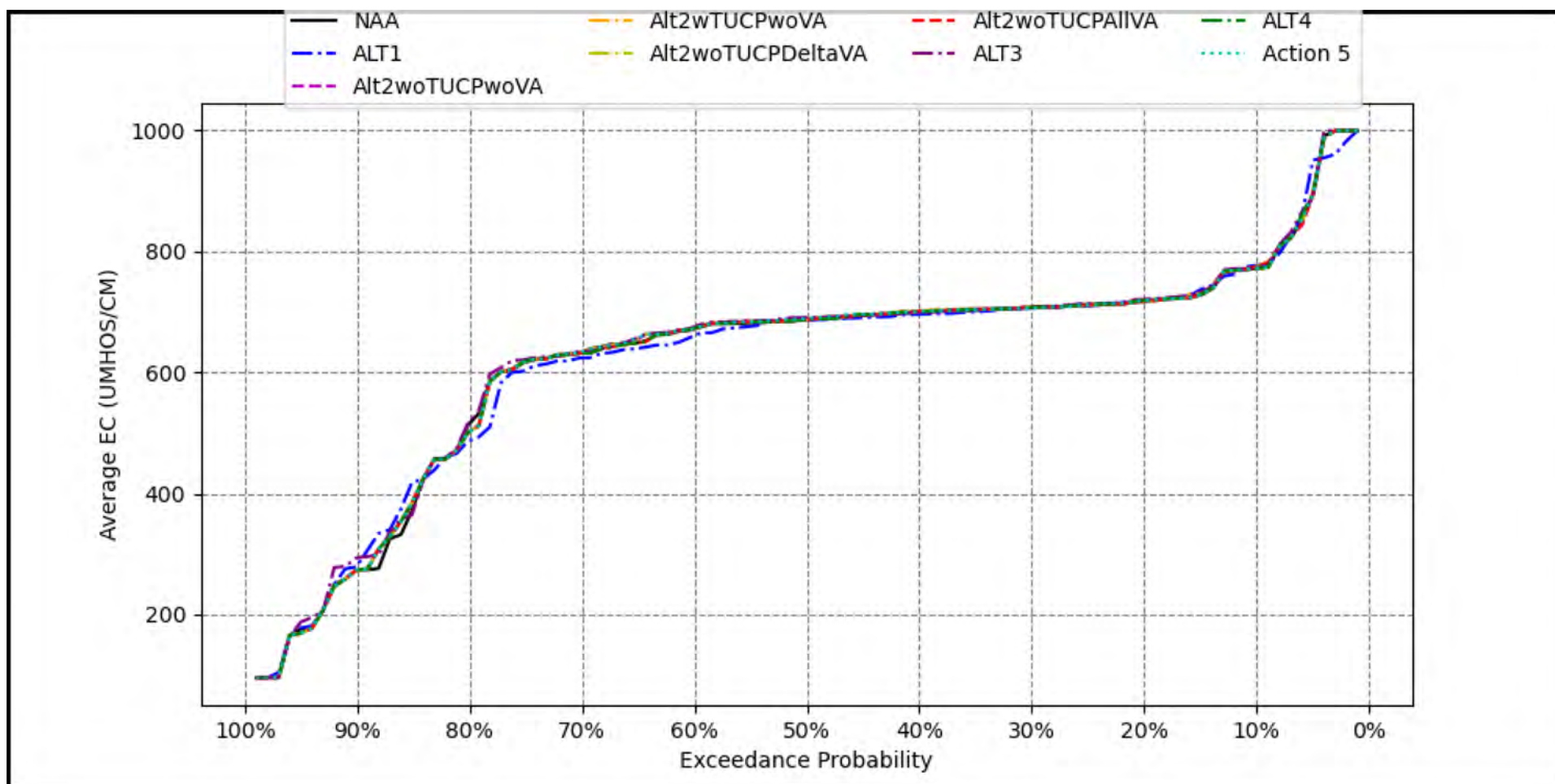
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-9-2 San Joaquin River at Vernalis Salinity (60-20-20), November EC



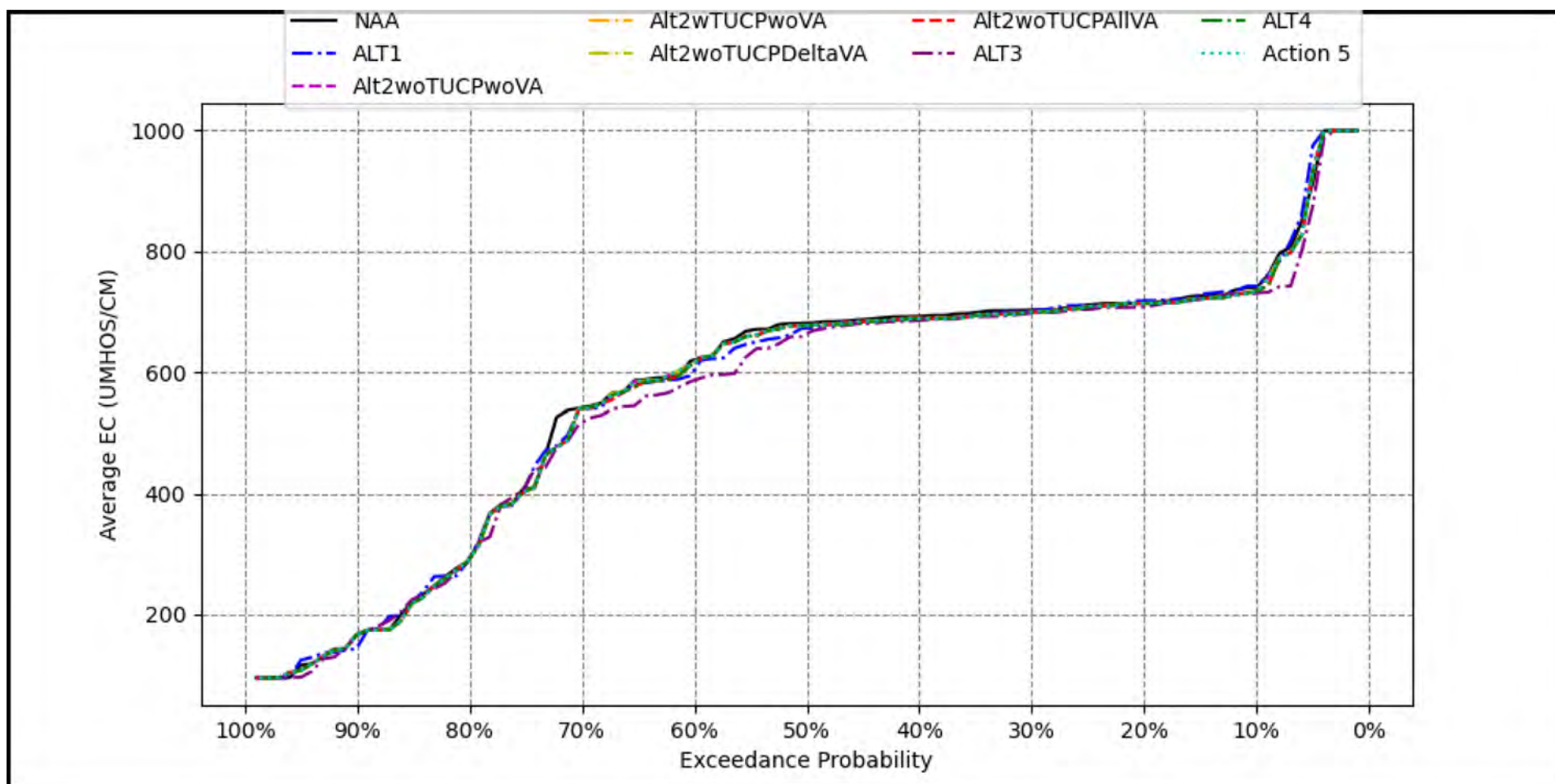
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-9-3 San Joaquin River at Vernalis Salinity (60-20-20), December EC



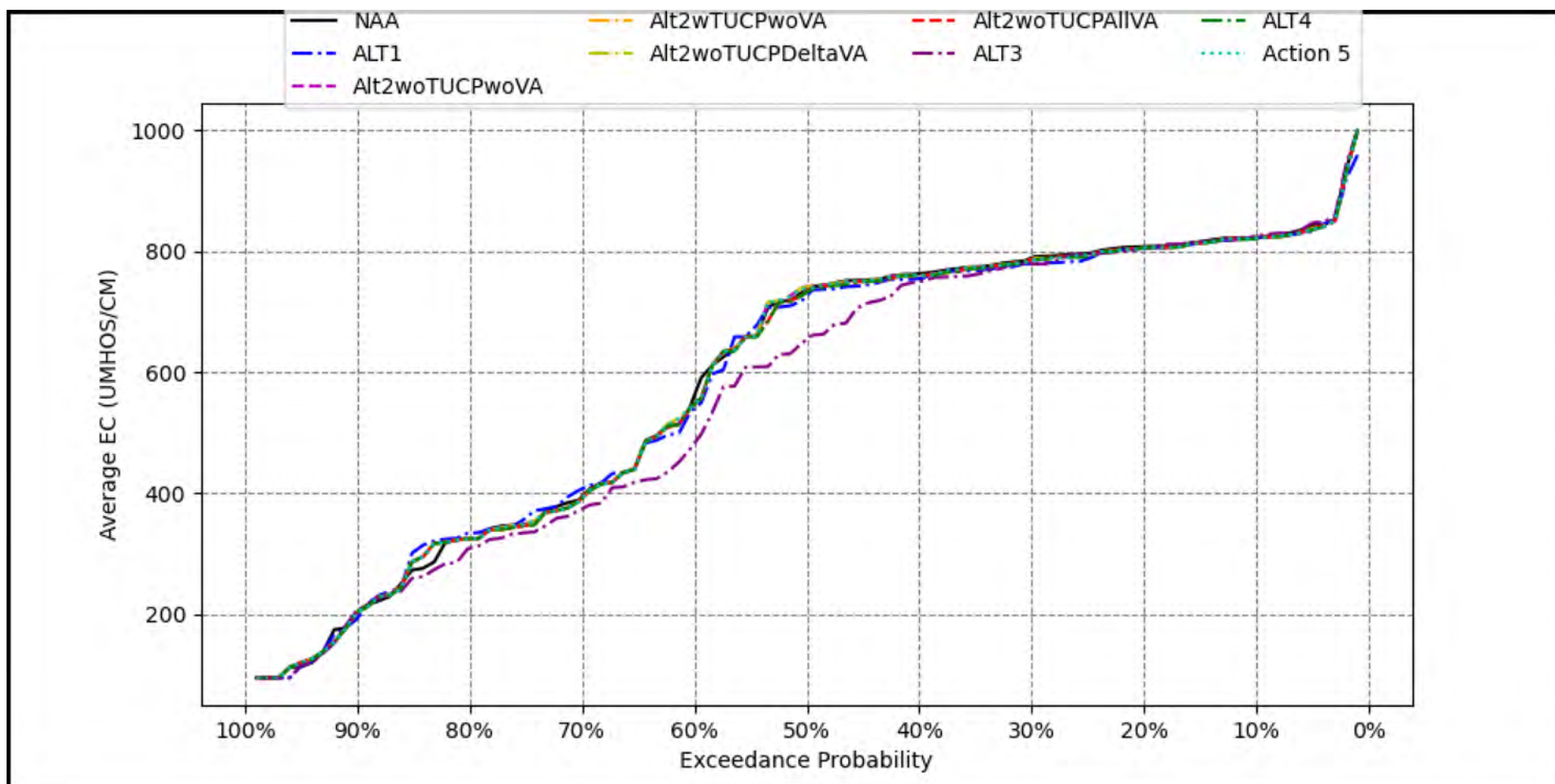
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-9-4 San Joaquin River at Vernalis Salinity (60-20-20), January EC



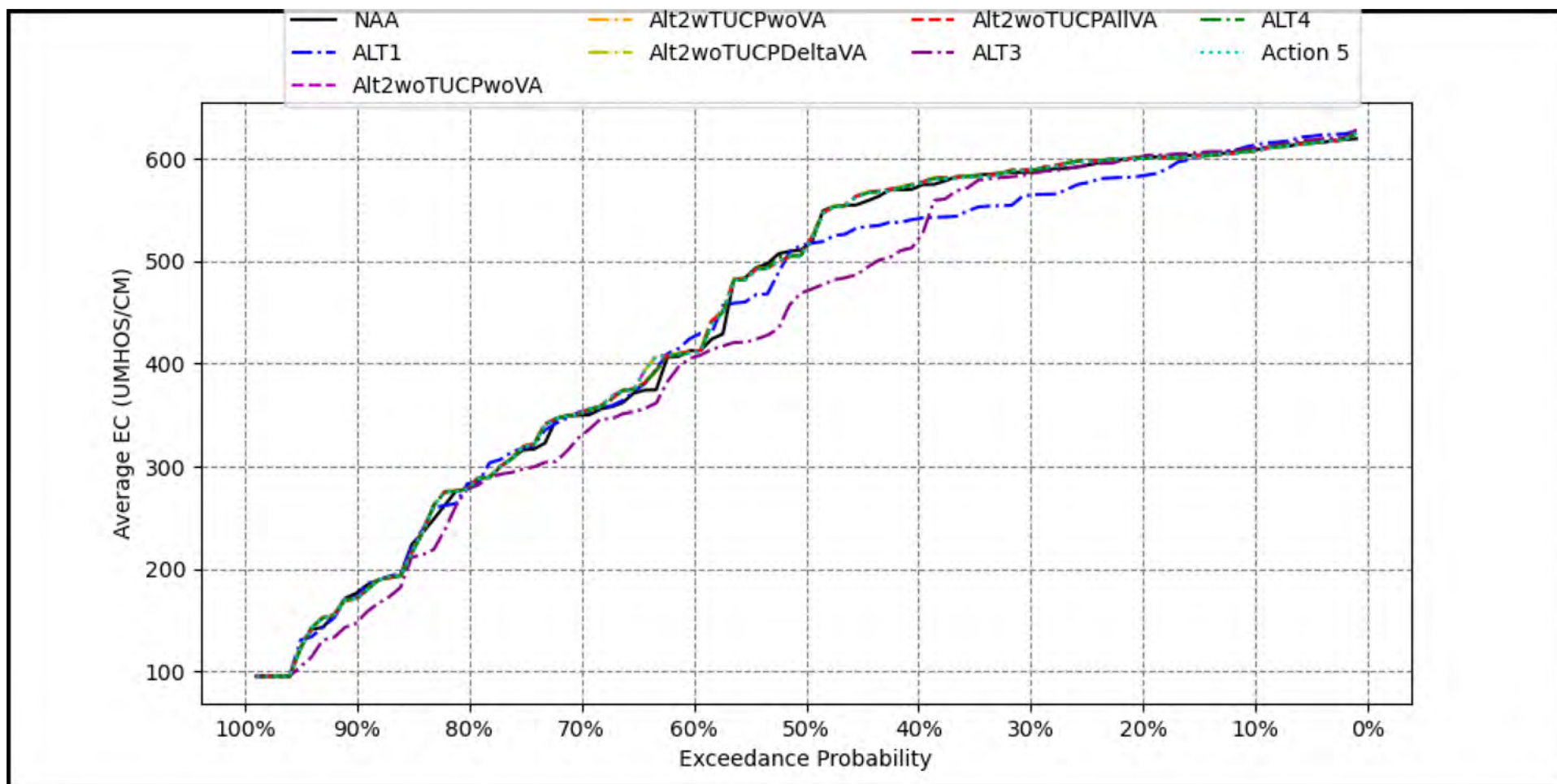
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-9-5 San Joaquin River at Vernalis Salinity (60-20-20), February EC



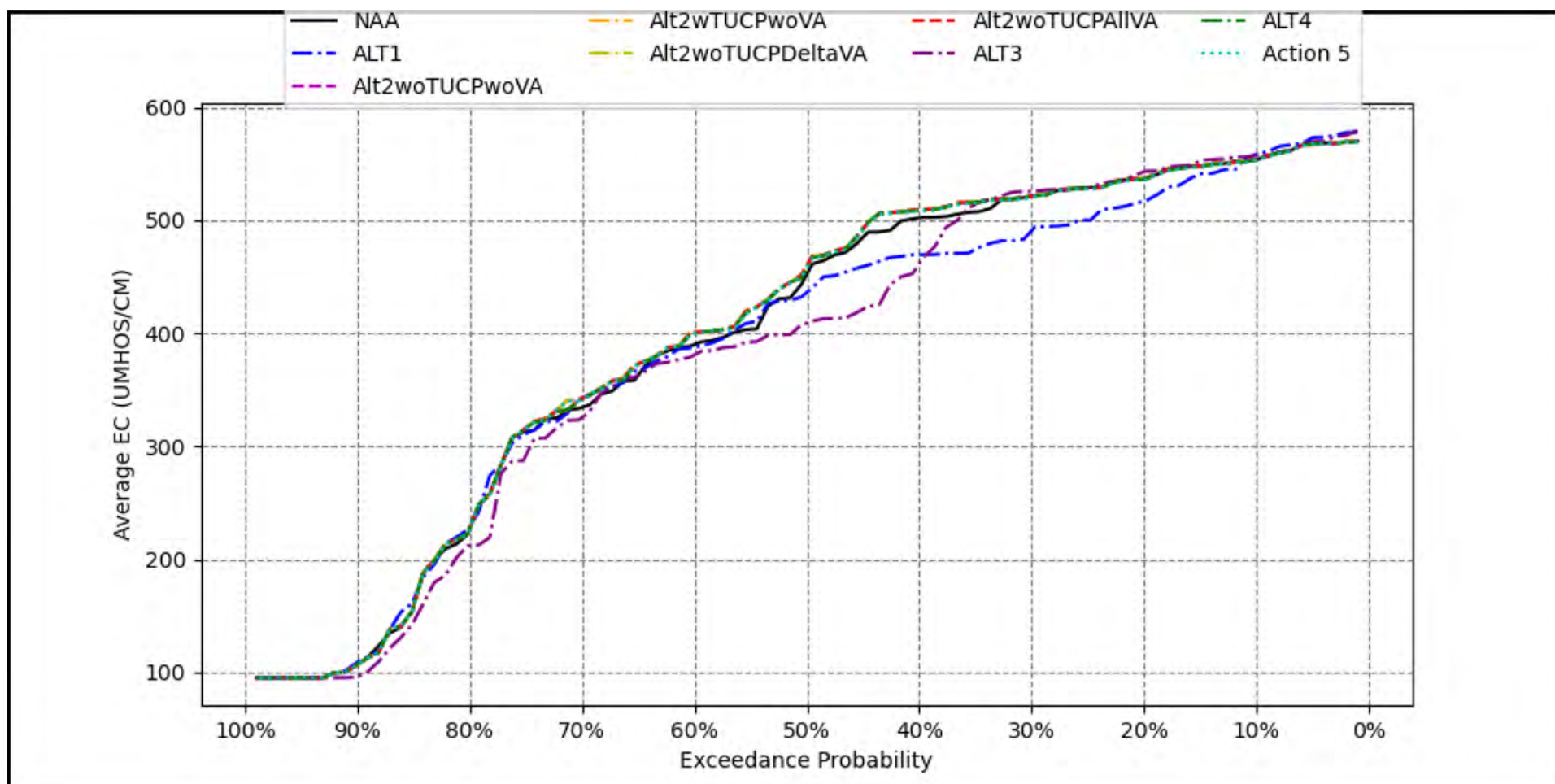
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-9-6 San Joaquin River at Vernalis Salinity (60-20-20), March EC



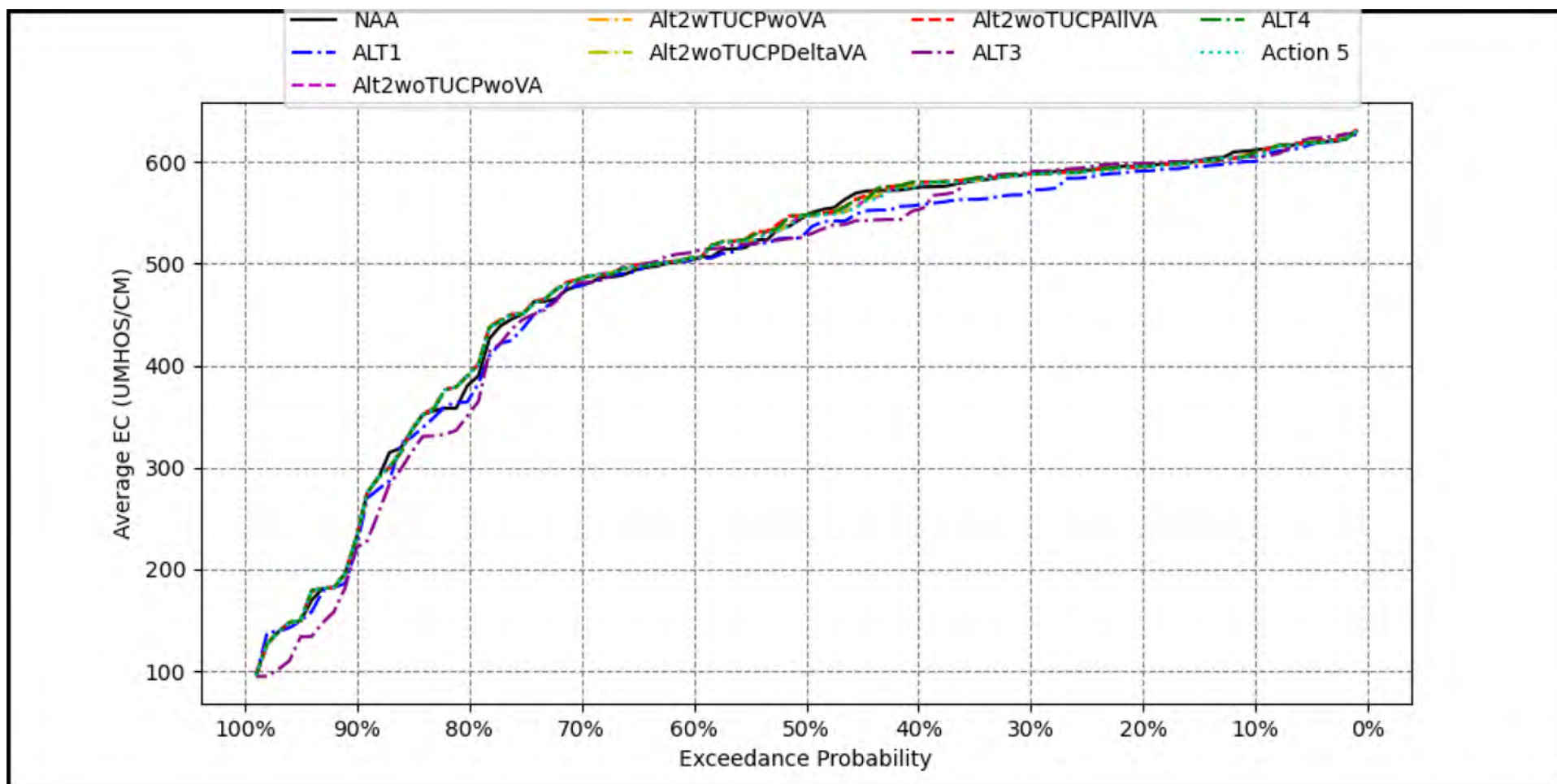
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-9-7 San Joaquin River at Vernalis Salinity (60-20-20), April EC



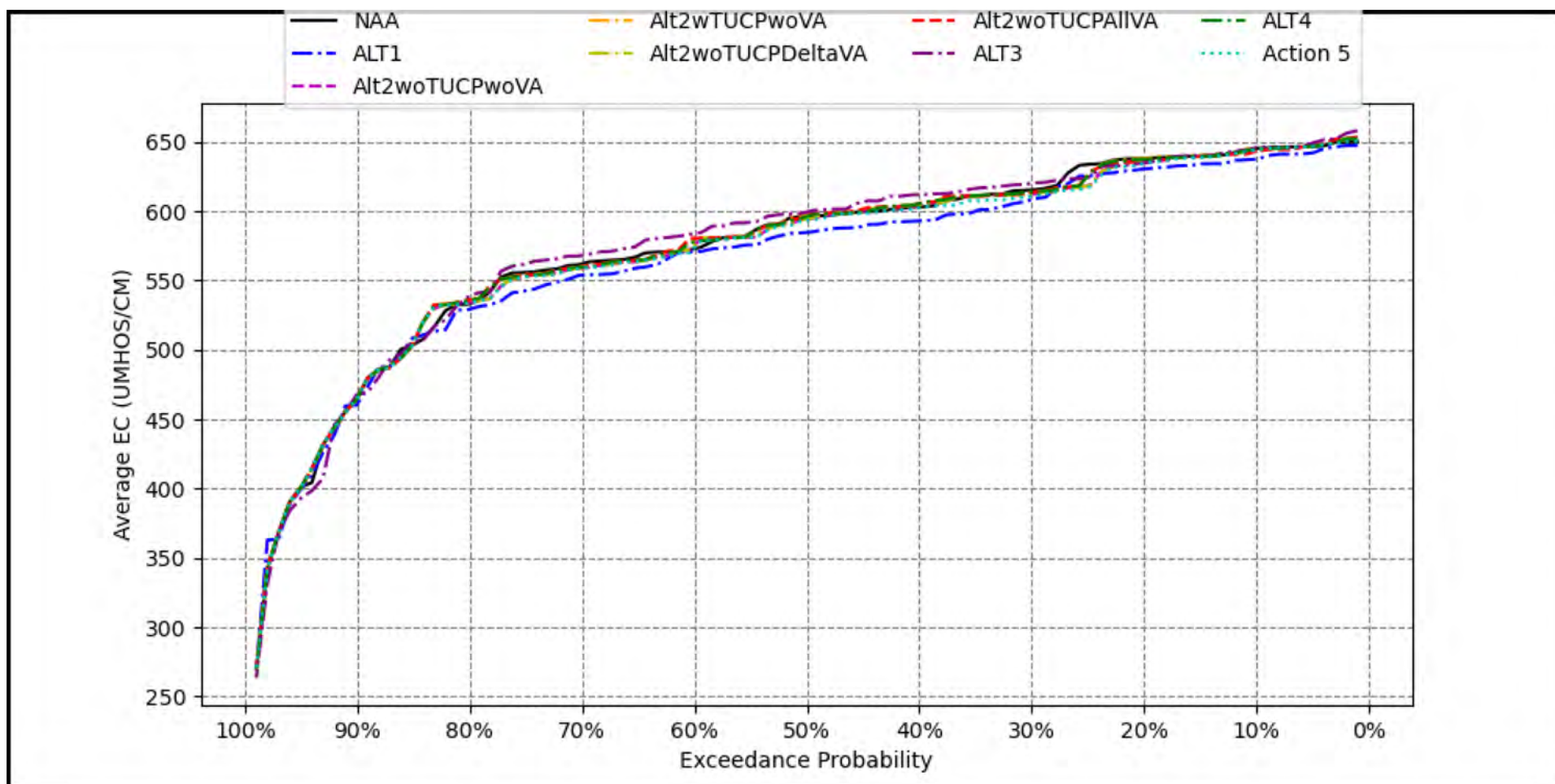
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-9-8 San Joaquin River at Vernalis Salinity (60-20-20), May EC



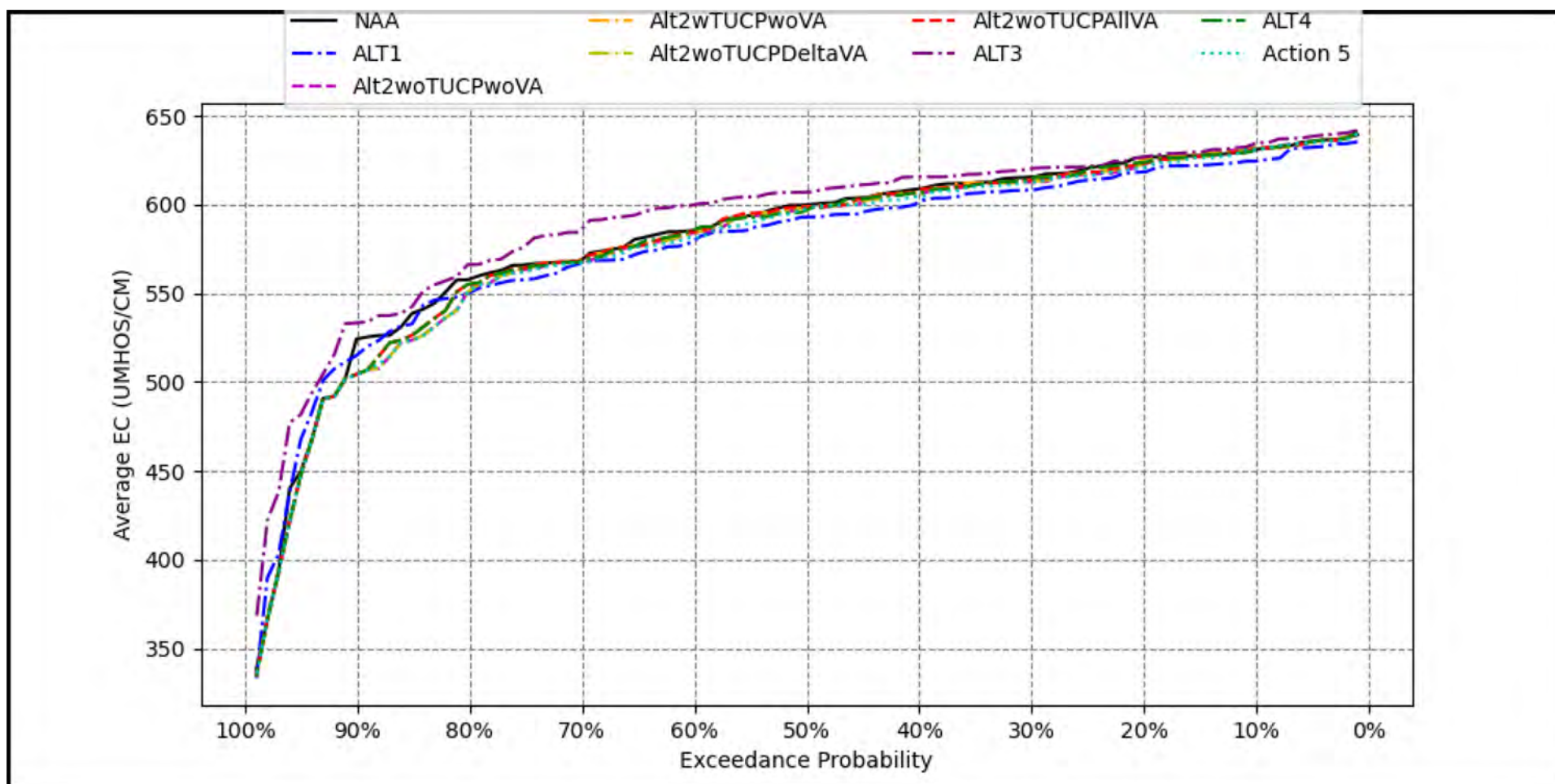
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-9-9 San Joaquin River at Vernalis Salinity (60-20-20), June EC



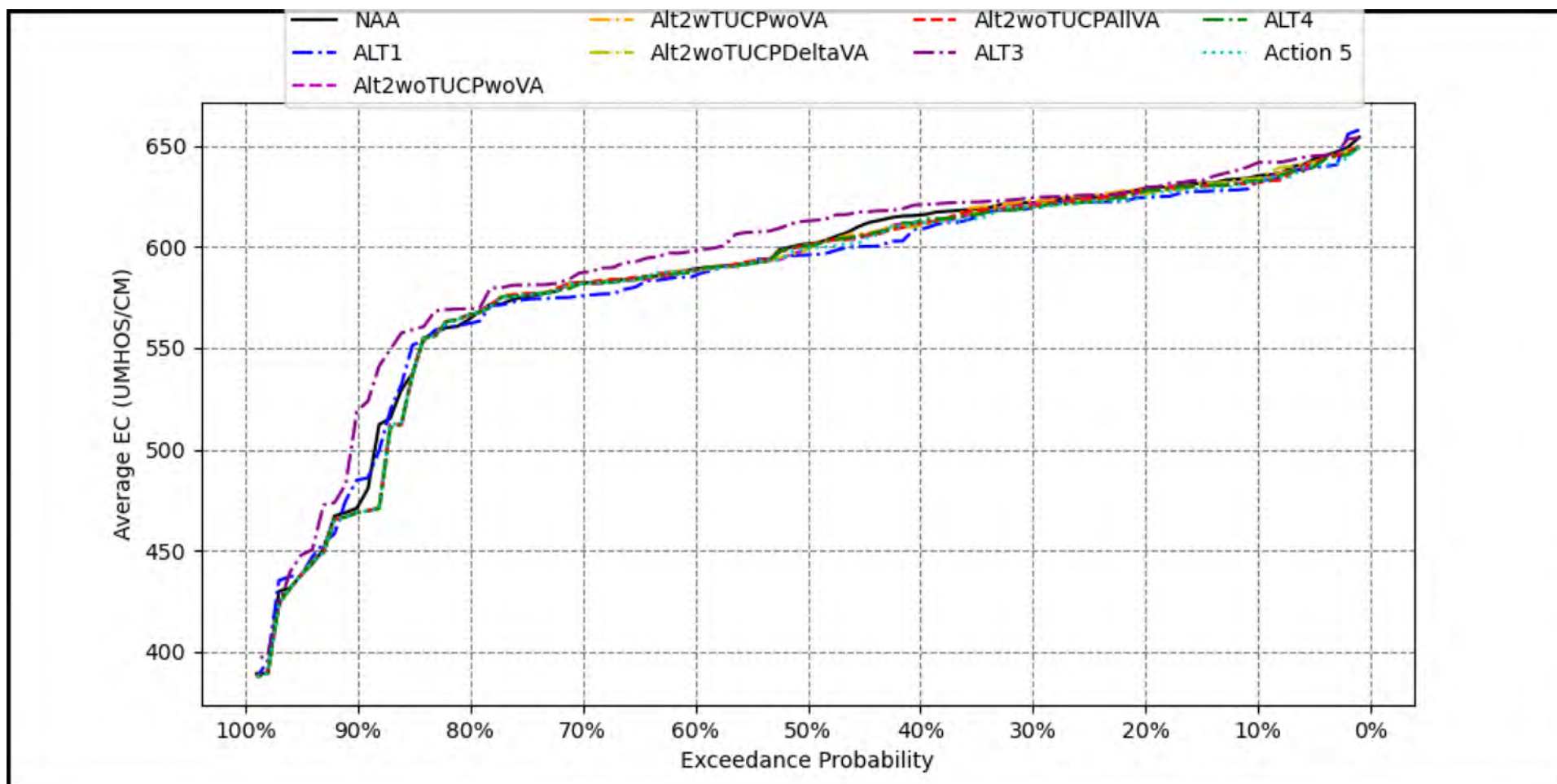
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-9-10 San Joaquin River at Vernalis Salinity (60-20-20), July EC



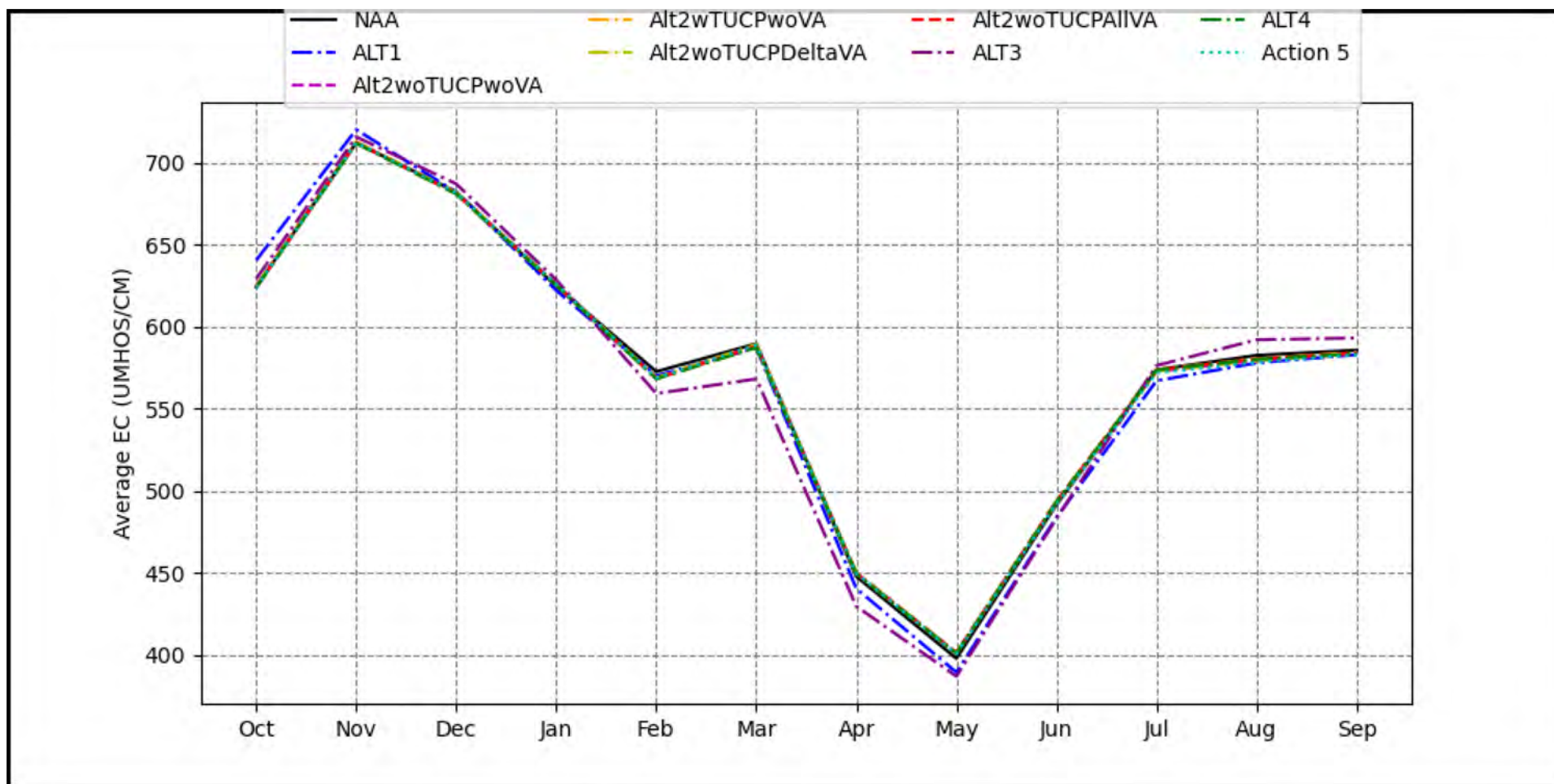
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-9-11 San Joaquin River at Vernalis Salinity (60-20-20), August EC



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

Figure F.2.5-9-12 San Joaquin River at Vernalis Salinity (60-20-20), September EC

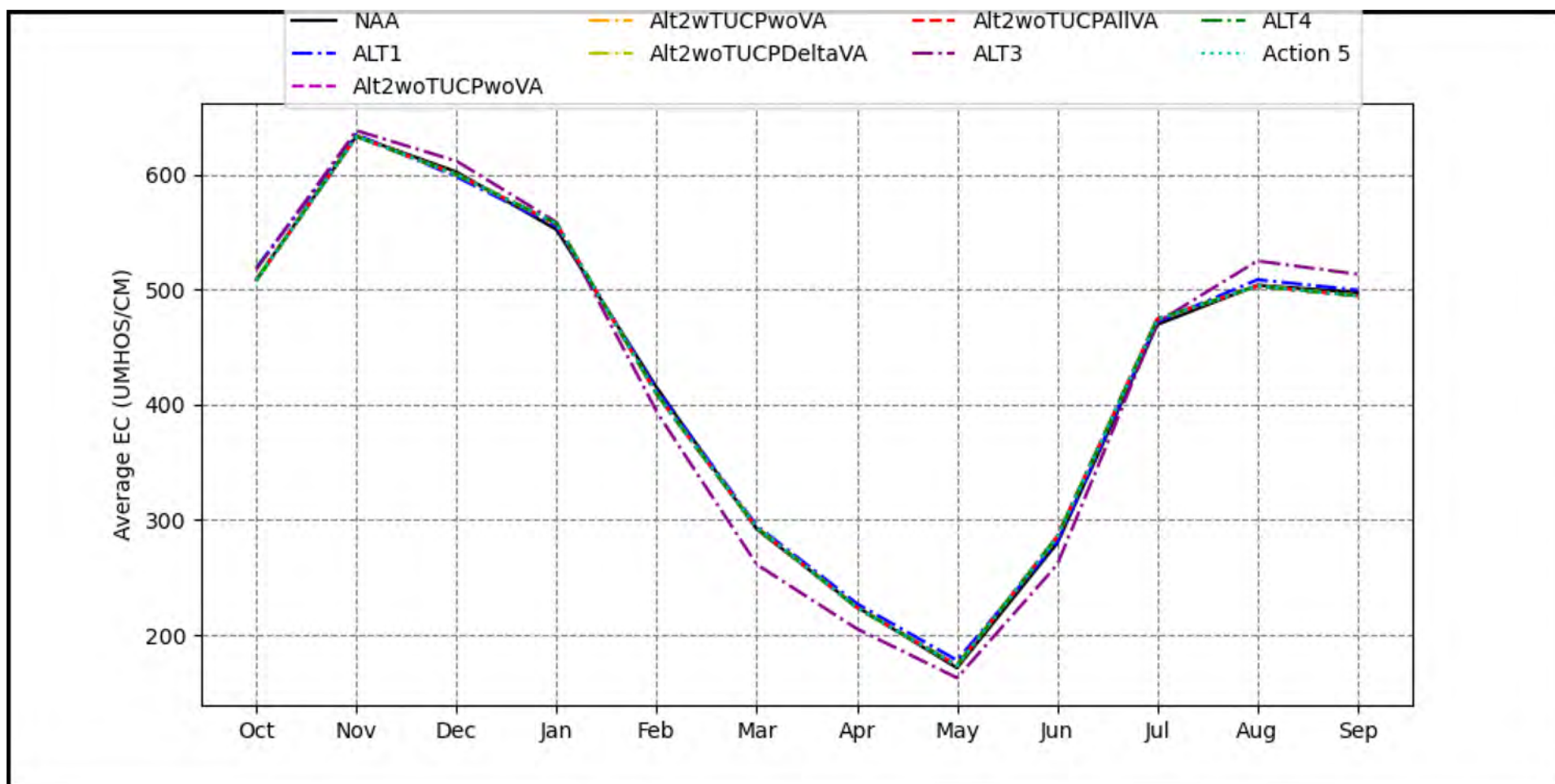


*As defined by the 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-9-13 San Joaquin River at Vernalis Salinity (60-20-20), Long Term Average EC (UMHOS/CM)

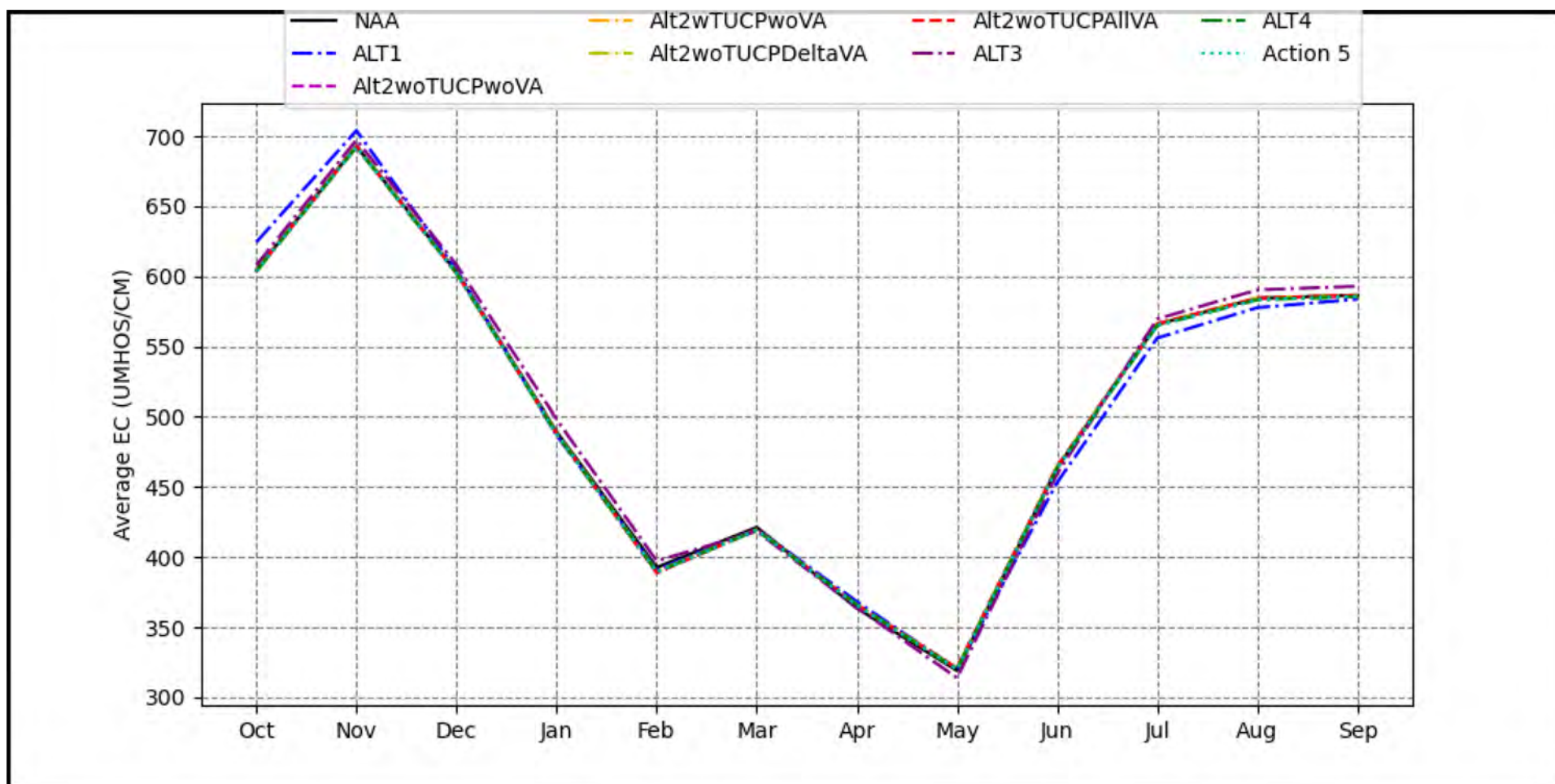


*As defined by the 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-9-14 San Joaquin River at Vernalis Salinity (60-20-20), Wet Year Average EC (UMHOS/CM)

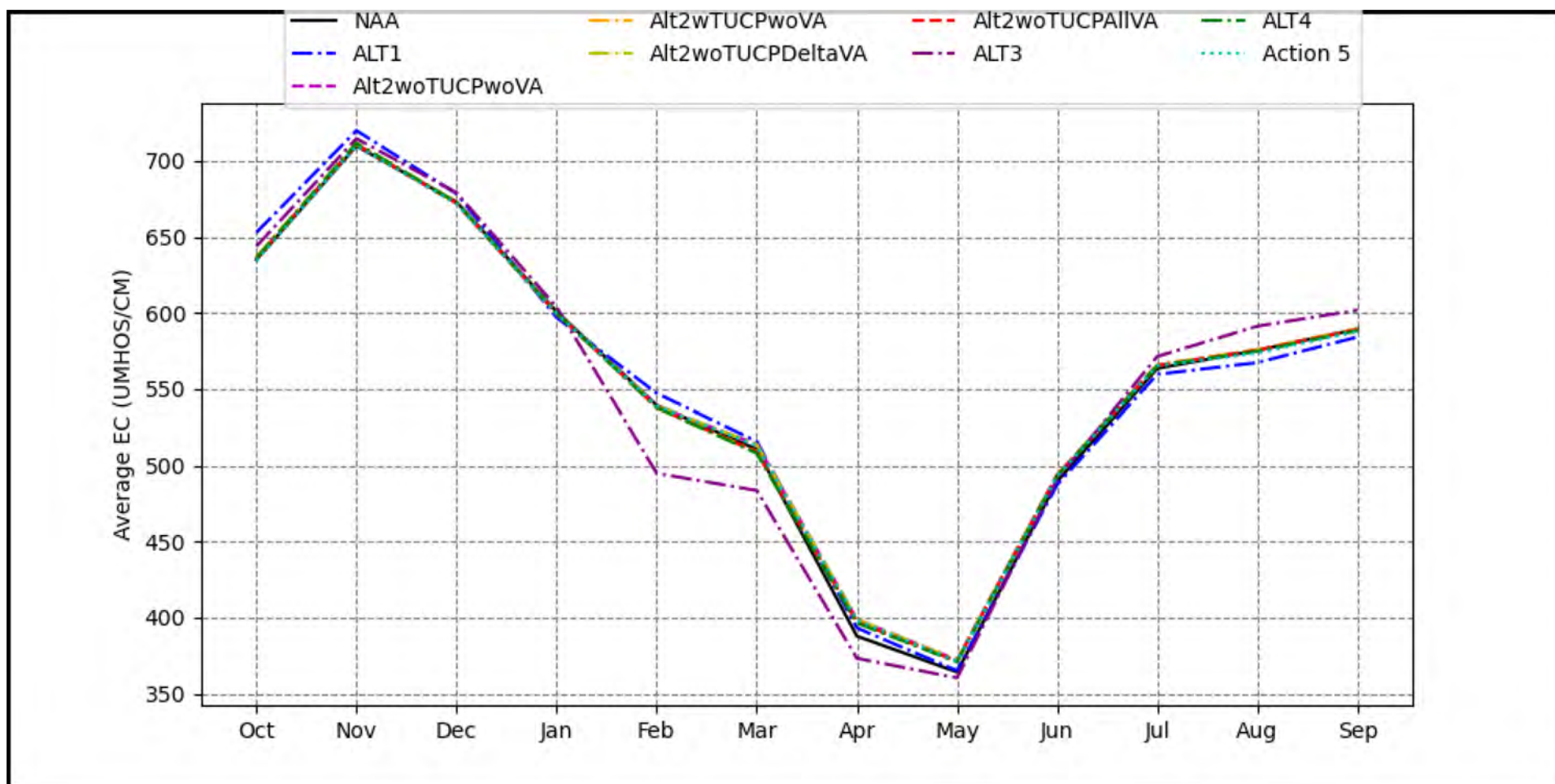


*As defined by the 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-9-15 San Joaquin River at Vernalis Salinity (60-20-20), Above Normal Year Average EC (UMHOS/CM)

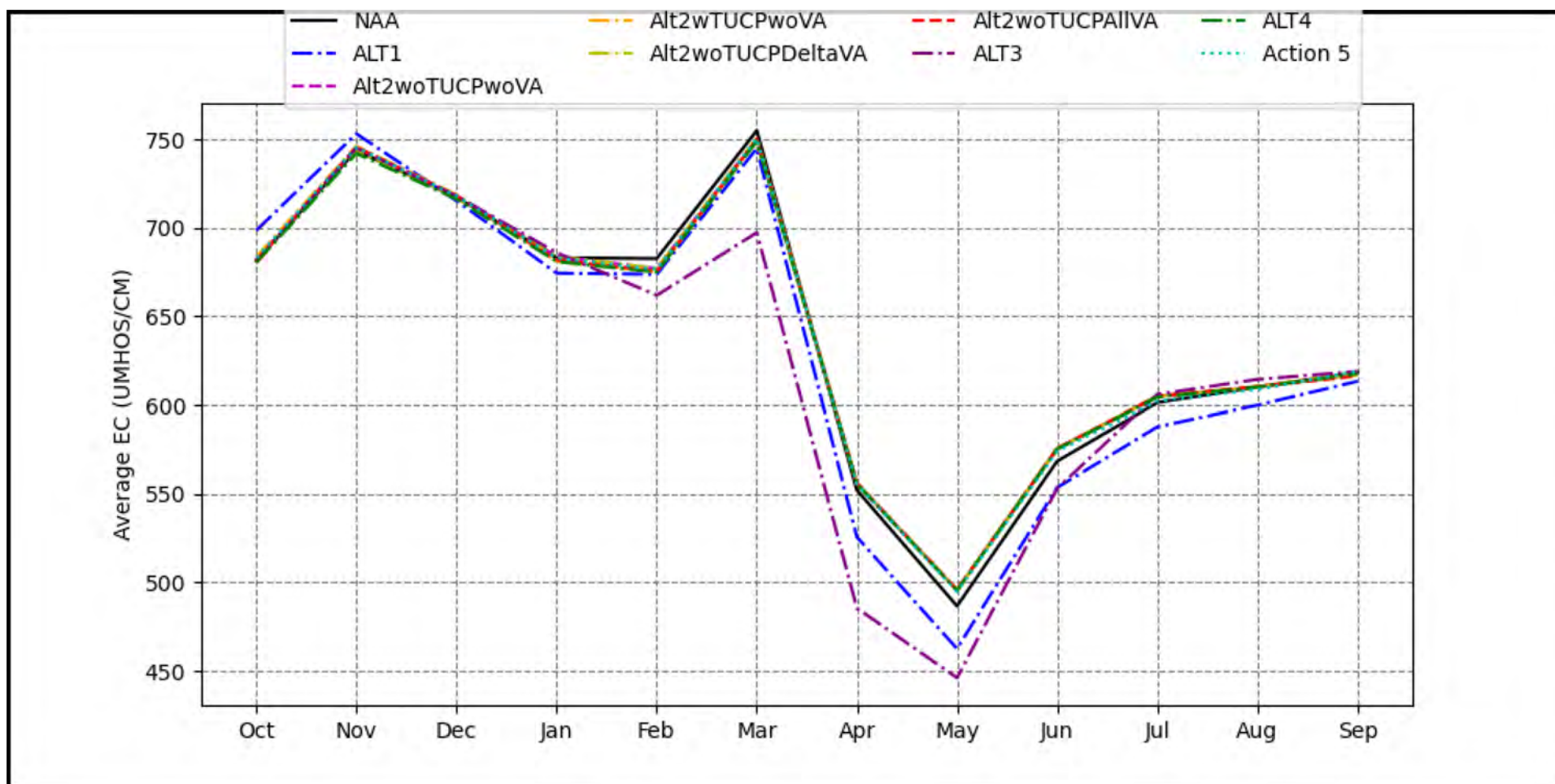


*As defined by the 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-9-16 San Joaquin River at Vernalis Salinity (60-20-20), Below Normal Year Average EC (UMHOS/CM)

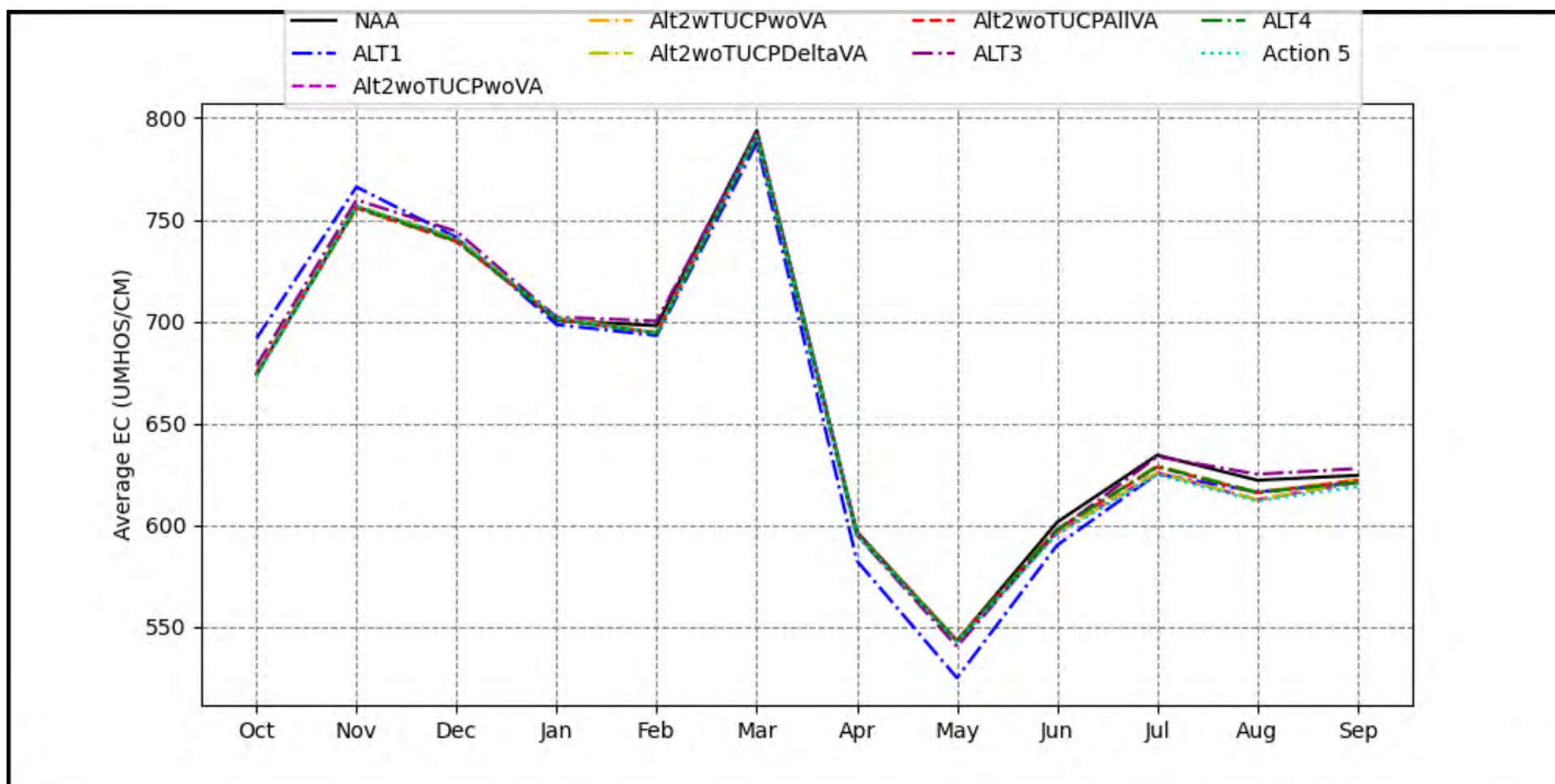


*As defined by the 60-20-20 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-9-17 San Joaquin River at Vernalis Salinity (60-20-20), Dry Year Average EC (UMHOS/CM)



*As defined by the 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 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-9-18 San Joaquin River at Vernalis Salinity (60-20-20), Critical Year Average EC (UMHOS/CM)

F.2.5-10 San Joaquin River at Jersey Point Salinity

Table F.2.5-10-1 a. San Joaquin River at Jersey Point Salinity, NAA, Monthly EC (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 Years (27.7%)	280	714	1,025	240	210	207	205	199	220	322	566	464
Above Normal Years (13.9%)	267	793	1,205	461	248	221	233	239	261	367	620	458
Below Normal Years (17.8%)	1,539	1,680	995	593	306	242	243	255	337	637	1,091	1,654
Dry Years (23.8%)	1,678	1,629	1,059	915	429	274	256	281	362	802	1,113	1,662
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-10-1 b. San Joaquin River at Jersey Point Salinity, ALT1, Monthly EC (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 Years (27.7%)	1,472	1,511	1,155	286	213	204	202	200	213	325	818	1,465
Above Normal Years (13.9%)	1,622	1,730	1,401	595	264	214	223	236	250	391	961	1,644
Below Normal Years (17.8%)	1,542	1,732	1,201	851	437	257	238	264	311	612	1,054	1,542
Dry Years (23.8%)	1,656	1,722	1,358	1,301	653	304	261	292	376	795	1,147	1,616
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-10-1 c. San Joaquin River at Jersey Point Salinity, ALT1 Minus NAA, Monthly EC (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 Years (27.7%)	1,192	797	130	46	3	-3	-3	1	-7	3	253	1,001
Above Normal Years (13.9%)	1,355	936	196	134	16	-7	-10	-2	-11	24	342	1,186
Below Normal Years (17.8%)	3	53	206	258	131	15	-6	9	-26	-25	-37	-112
Dry Years (23.8%)	-22	94	300	386	224	30	6	12	14	-8	34	-47
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-10-2 a. San Joaquin River at Jersey Point Salinity, NAA, Monthly EC (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 Years (27.7%)	280	714	1,025	240	210	207	205	199	220	322	566	464
Above Normal Years (13.9%)	267	793	1,205	461	248	221	233	239	261	367	620	458
Below Normal Years (17.8%)	1,539	1,680	995	593	306	242	243	255	337	637	1,091	1,654
Dry Years (23.8%)	1,678	1,629	1,059	915	429	274	256	281	362	802	1,113	1,662
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-10-2 b. San Joaquin River at Jersey Point Salinity, Alt2woTUCPwoVA, Monthly EC (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 Years (27.7%)	284	714	1,020	236	210	206	203	200	220	328	598	489
Above Normal Years (13.9%)	265	764	1,191	457	248	222	227	236	255	389	685	494
Below Normal Years (17.8%)	1,556	1,651	978	596	304	242	241	267	334	646	1,079	1,651
Dry Years (23.8%)	1,695	1,648	1,045	838	391	269	256	290	365	804	1,161	1,697
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-10-2 c. San Joaquin River at Jersey Point Salinity, Alt2woTUCPwoVA Minus NAA, Monthly EC (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 Years (27.7%)	4	-1	-5	-4	0	-1	-2	1	-1	6	33	25
Above Normal Years (13.9%)	-2	-29	-14	-4	1	0	-6	-3	-5	22	65	36
Below Normal Years (17.8%)	17	-29	-17	3	-2	0	-2	12	-3	10	-12	-3
Dry Years (23.8%)	17	20	-14	-77	-38	-5	1	9	3	1	47	35
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-10-3 a. San Joaquin River at Jersey Point Salinity, NAA, Monthly EC (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 Years (27.7%)	280	714	1,025	240	210	207	205	199	220	322	566	464
Above Normal Years (13.9%)	267	793	1,205	461	248	221	233	239	261	367	620	458
Below Normal Years (17.8%)	1,539	1,680	995	593	306	242	243	255	337	637	1,091	1,654
Dry Years (23.8%)	1,678	1,629	1,059	915	429	274	256	281	362	802	1,113	1,662
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-10-3 b. San Joaquin River at Jersey Point Salinity, Alt2wTUCPwoVA, Monthly EC (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 Years (27.7%)	285	714	1,019	236	210	206	203	200	220	328	598	489
Above Normal Years (13.9%)	267	767	1,193	456	248	222	226	236	255	389	688	496
Below Normal Years (17.8%)	1,544	1,646	993	590	304	242	241	267	335	644	1,093	1,657
Dry Years (23.8%)	1,691	1,646	1,067	857	393	269	256	290	365	807	1,166	1,699
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-10-3 c. San Joaquin River at Jersey Point Salinity, Alt2wTUCPwoVA Minus NAA, Monthly EC (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 Years (27.7%)	5	0	-6	-4	0	-1	-2	1	-1	6	32	25
Above Normal Years (13.9%)	0	-26	-12	-5	0	0	-7	-3	-5	22	69	39
Below Normal Years (17.8%)	6	-34	-2	-3	-3	0	-2	11	-2	8	1	3
Dry Years (23.8%)	13	17	8	-58	-36	-5	1	9	3	5	52	37
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-10-4 a. San Joaquin River at Jersey Point Salinity, NAA, Monthly EC (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 Years (27.7%)	280	714	1,025	240	210	207	205	199	220	322	566	464
Above Normal Years (13.9%)	267	793	1,205	461	248	221	233	239	261	367	620	458
Below Normal Years (17.8%)	1,539	1,680	995	593	306	242	243	255	337	637	1,091	1,654
Dry Years (23.8%)	1,678	1,629	1,059	915	429	274	256	281	362	802	1,113	1,662
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-10-4 b. San Joaquin River at Jersey Point Salinity, Alt2woTUCPDeltaVA, Monthly EC (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 Years (27.7%)	285	725	1,007	241	210	207	206	202	221	324	595	493
Above Normal Years (13.9%)	266	782	1,187	458	249	228	243	244	259	385	669	498
Below Normal Years (17.8%)	1,586	1,677	996	627	305	248	252	272	341	650	1,116	1,670
Dry Years (23.8%)	1,693	1,626	1,038	841	399	264	256	291	367	835	1,230	1,721
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-10-4 c. San Joaquin River at Jersey Point Salinity, Alt2woTUCPDeltaVA Minus NAA, Monthly EC (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 Years (27.7%)	6	11	-18	1	0	0	1	2	0	2	29	29
Above Normal Years (13.9%)	-1	-12	-18	-3	1	6	10	6	-2	18	49	40
Below Normal Years (17.8%)	47	-3	2	34	-1	6	9	17	4	13	25	17
Dry Years (23.8%)	14	-2	-21	-74	-30	-9	1	10	5	32	117	59
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-10-5 a. San Joaquin River at Jersey Point Salinity, NAA, Monthly EC (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 Years (27.7%)	280	714	1,025	240	210	207	205	199	220	322	566	464
Above Normal Years (13.9%)	267	793	1,205	461	248	221	233	239	261	367	620	458
Below Normal Years (17.8%)	1,539	1,680	995	593	306	242	243	255	337	637	1,091	1,654
Dry Years (23.8%)	1,678	1,629	1,059	915	429	274	256	281	362	802	1,113	1,662
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-10-5 b. San Joaquin River at Jersey Point Salinity, Alt2woTUCPALIVA, Monthly EC (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 Years (27.7%)	284	725	1,006	237	210	207	205	201	221	323	590	488
Above Normal Years (13.9%)	265	786	1,180	454	248	228	242	238	254	379	647	485
Below Normal Years (17.8%)	1,536	1,647	1,000	604	304	248	248	251	332	644	1,093	1,665
Dry Years (23.8%)	1,687	1,612	1,051	855	396	264	251	272	350	831	1,227	1,718
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-10-5 c. San Joaquin River at Jersey Point Salinity, Alt2woTUCPAIIVA Minus NAA, Monthly EC (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 Years (27.7%)	5	11	-19	-3	0	0	1	1	0	1	24	25
Above Normal Years (13.9%)	-2	-8	-25	-6	1	6	9	-1	-6	11	27	27
Below Normal Years (17.8%)	-3	-32	5	11	-2	6	4	-4	-5	7	2	11
Dry Years (23.8%)	9	-17	-8	-60	-33	-10	-5	-9	-12	28	113	55
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-10-6 a. San Joaquin River at Jersey Point Salinity, NAA, Monthly EC (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 Years (27.7%)	280	714	1,025	240	210	207	205	199	220	322	566	464
Above Normal Years (13.9%)	267	793	1,205	461	248	221	233	239	261	367	620	458
Below Normal Years (17.8%)	1,539	1,680	995	593	306	242	243	255	337	637	1,091	1,654
Dry Years (23.8%)	1,678	1,629	1,059	915	429	274	256	281	362	802	1,113	1,662
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-10-6 b. San Joaquin River at Jersey Point Salinity, ALT3, Monthly EC (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 Years (27.7%)	238	285	312	220	216	219	214	199	224	255	276	261
Above Normal Years (13.9%)	236	254	290	242	227	230	246	247	275	325	314	253
Below Normal Years (17.8%)	799	1,359	840	339	249	248	250	257	323	438	407	566
Dry Years (23.8%)	1,169	1,476	910	404	281	252	248	267	293	387	393	627
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-10-6 c. San Joaquin River at Jersey Point Salinity, ALT3 Minus NAA, Monthly EC (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 Years (27.7%)	-41	-430	-713	-19	5	12	9	0	4	-67	-290	-203
Above Normal Years (13.9%)	-31	-539	-916	-219	-20	9	13	8	14	-42	-305	-204
Below Normal Years (17.8%)	-740	-321	-155	-254	-57	6	7	2	-14	-198	-685	-1,088
Dry Years (23.8%)	-509	-152	-149	-512	-148	-22	-8	-14	-69	-415	-720	-1,036
Critical Years (15.8%)	-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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-10-7 a. San Joaquin River at Jersey Point Salinity, NAA, Monthly EC (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 Years (27.7%)	280	714	1,025	240	210	207	205	199	220	322	566	464
Above Normal Years (13.9%)	267	793	1,205	461	248	221	233	239	261	367	620	458
Below Normal Years (17.8%)	1,539	1,680	995	593	306	242	243	255	337	637	1,091	1,654
Dry Years (23.8%)	1,678	1,629	1,059	915	429	274	256	281	362	802	1,113	1,662
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-10-7 b. San Joaquin River at Jersey Point Salinity, ALT4, Monthly EC (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 Years (27.7%)	729	1,193	902	231	210	206	202	200	220	328	809	970
Above Normal Years (13.9%)	611	1,199	1,134	327	234	220	225	235	256	390	968	1,015
Below Normal Years (17.8%)	1,565	1,667	976	510	295	240	240	266	337	641	1,082	1,654
Dry Years (23.8%)	1,693	1,656	1,042	833	442	278	257	290	366	816	1,172	1,705
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-10-7 c. San Joaquin River at Jersey Point Salinity, ALT4 Minus NAA, Monthly EC (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 Years (27.7%)	450	478	-123	-9	0	-2	-3	0	-1	6	243	506
Above Normal Years (13.9%)	344	406	-71	-133	-14	-2	-8	-3	-5	23	348	557
Below Normal Years (17.8%)	27	-13	-19	-84	-11	-2	-4	11	0	5	-9	0
Dry Years (23.8%)	15	28	-17	-82	13	4	1	10	4	14	59	43
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-10-8 a. San Joaquin River at Jersey Point Salinity, NAA, Monthly EC (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 Years (27.7%)	280	714	1,025	240	210	207	205	199	220	322	566	464
Above Normal Years (13.9%)	267	793	1,205	461	248	221	233	239	261	367	620	458
Below Normal Years (17.8%)	1,539	1,680	995	593	306	242	243	255	337	637	1,091	1,654
Dry Years (23.8%)	1,678	1,629	1,059	915	429	274	256	281	362	802	1,113	1,662
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-10-8 b. San Joaquin River at Jersey Point Salinity, Action 5, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,998	2,155	1,926	1,411	670	339	345	539	1,040	1,294	1,541	1,811
20% Exceedance	1,872	1,995	1,804	1,081	458	276	270	296	409	988	1,420	1,768
30% Exceedance	1,804	1,903	1,657	723	328	258	253	281	375	812	1,270	1,732
40% Exceedance	1,754	1,842	1,400	562	266	246	244	262	329	668	1,179	1,707
50% Exceedance	1,724	1,791	1,233	411	248	233	236	244	302	617	1,047	1,675
60% Exceedance	1,680	1,738	936	305	233	225	231	233	281	448	947	1,658
70% Exceedance	1,641	1,684	703	233	215	221	222	221	252	382	894	1,608
80% Exceedance	1,564	1,487	525	216	208	212	216	213	219	350	830	1,555
90% Exceedance	1,294	985	311	203	202	200	197	183	188	253	775	1,505
Full Simulation Period Average^a	1,669	1,675	1,170	614	345	255	264	316	403	679	1,096	1,630
Wet Years (27.7%)	1,510	1,542	1,073	242	210	206	204	201	221	323	788	1,474
Above Normal Years (13.9%)	1,633	1,612	1,200	442	245	221	236	236	255	363	908	1,622
Below Normal Years (17.8%)	1,630	1,718	1,044	579	300	241	240	247	330	645	1,117	1,674
Dry Years (23.8%)	1,662	1,636	1,081	846	428	268	249	270	354	868	1,279	1,746
Critical Years (15.8%)	2,057	1,952	1,622	1,108	593	364	441	731	1,006	1,333	1,503	1,685

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-10-8 c. San Joaquin River at Jersey Point Salinity, Action 5 Minus NAA, Monthly EC (UMHOS/CM)

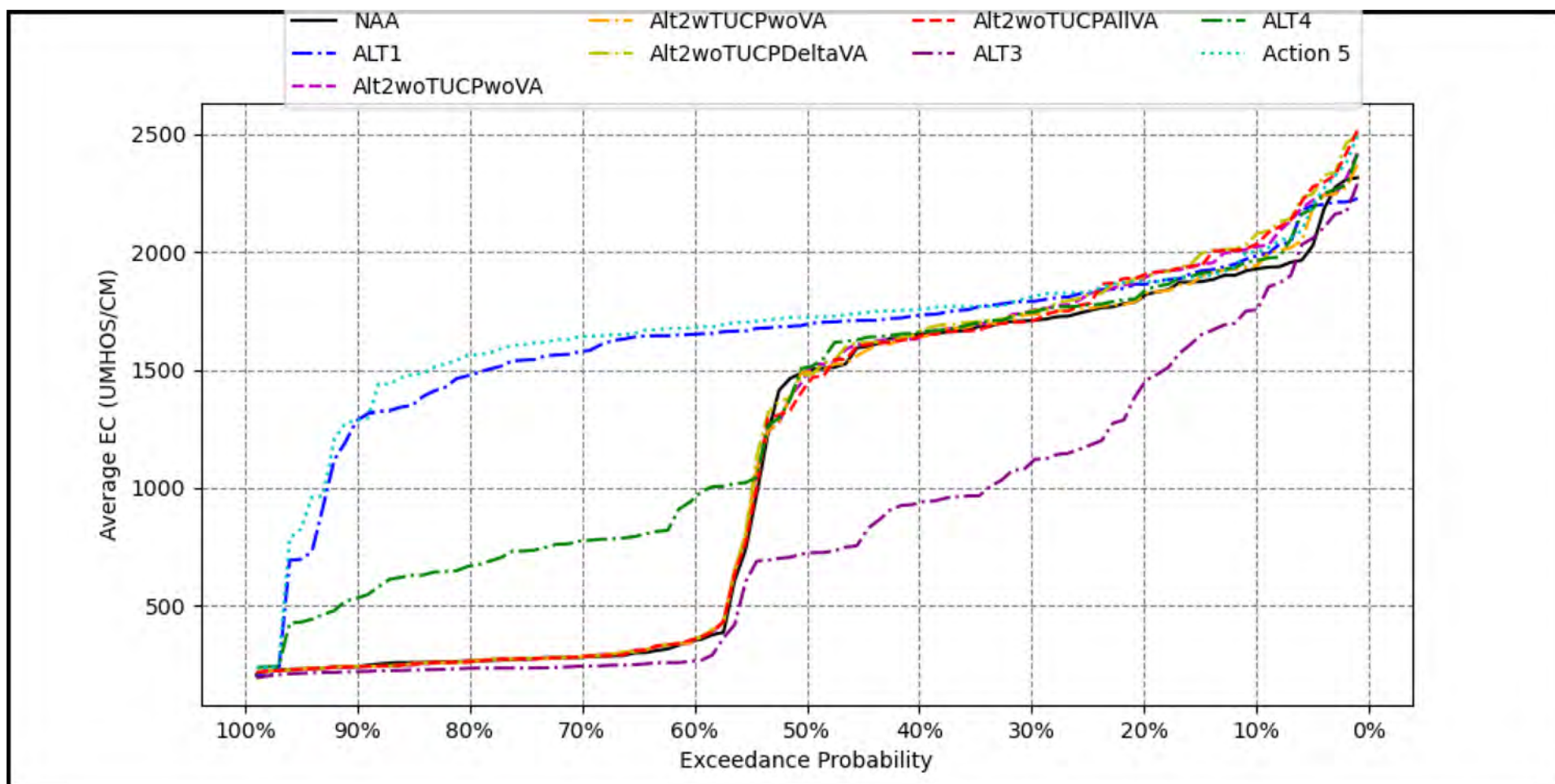
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	77	107	-34	-108	-39	2	-24	-114	-64	11	12	43
20% Exceedance	79	95	45	-61	-11	-6	-15	-12	-16	75	115	39
30% Exceedance	97	115	-27	-89	-13	-1	0	-3	0	31	62	83
40% Exceedance	104	122	-10	33	-6	3	1	-6	-14	-14	82	119
50% Exceedance	231	492	-22	3	-2	-1	0	-13	-1	33	166	161
60% Exceedance	1,326	789	149	14	-5	0	1	-1	-5	-1	198	1,071
70% Exceedance	1,359	802	58	-2	-3	0	-1	-3	-10	0	247	1,079
80% Exceedance	1,298	696	47	-1	-1	-1	0	-4	-5	3	247	1,092
90% Exceedance	1,048	556	-15	-1	-1	-3	-2	2	0	-10	244	1,092
Full Simulation Period Average^a	577	360	30	-17	-6	-6	-12	-26	-22	6	137	474
Wet Years (27.7%)	1,230	828	48	3	-1	-2	-1	1	0	1	223	1,010
Above Normal Years (13.9%)	1,365	819	-5	-19	-3	0	3	-3	-6	-4	289	1,164
Below Normal Years (17.8%)	91	38	50	-14	-6	-1	-3	-8	-6	8	26	20
Dry Years (23.8%)	-17	7	22	-69	-1	-6	-7	-10	-8	66	166	84
Critical Years (15.8%)	91	-73	-8	25	-27	-27	-62	-140	-115	-69	-62	26

^a Based on the 100-year simulation period.

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

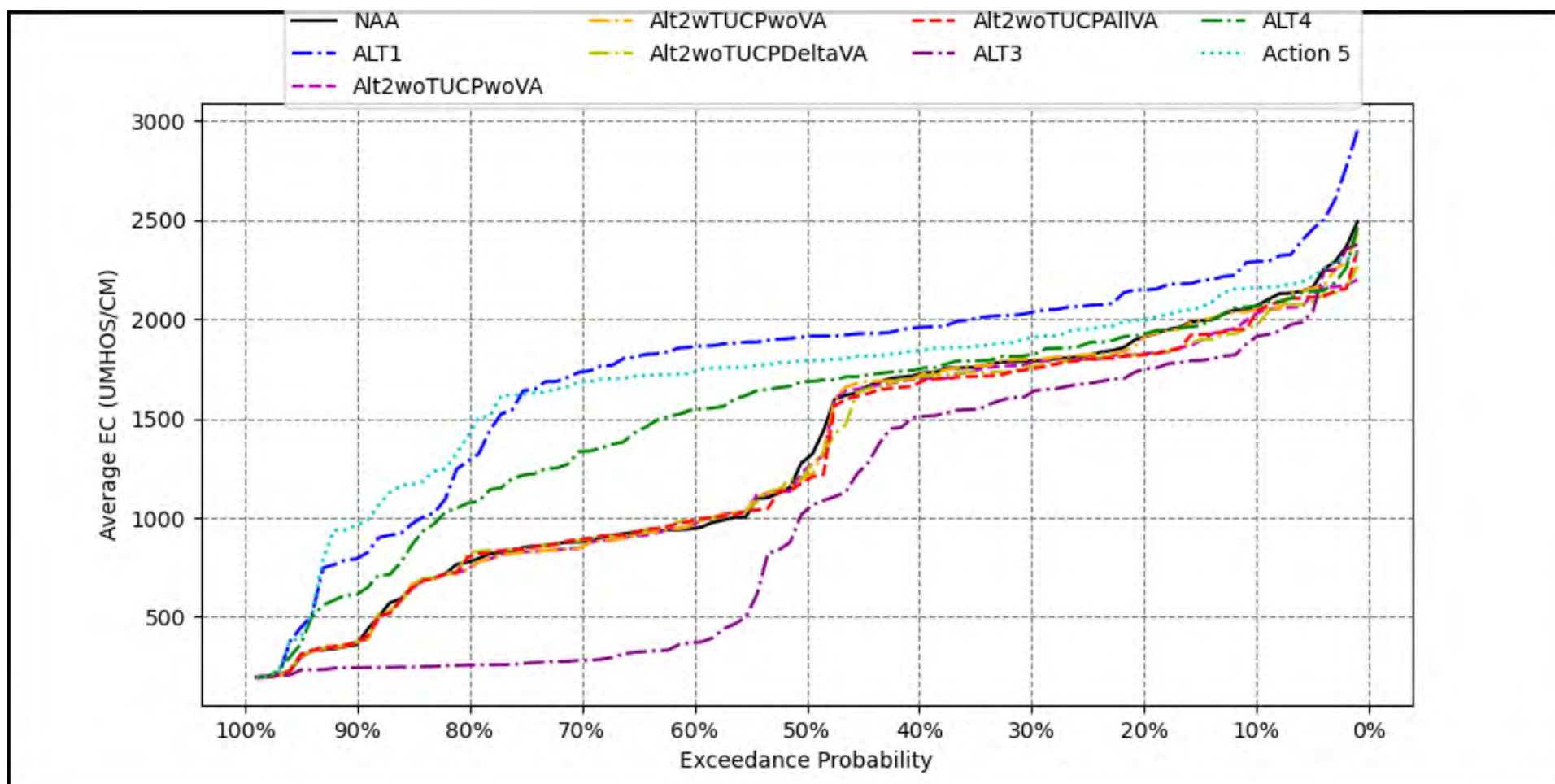
* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.



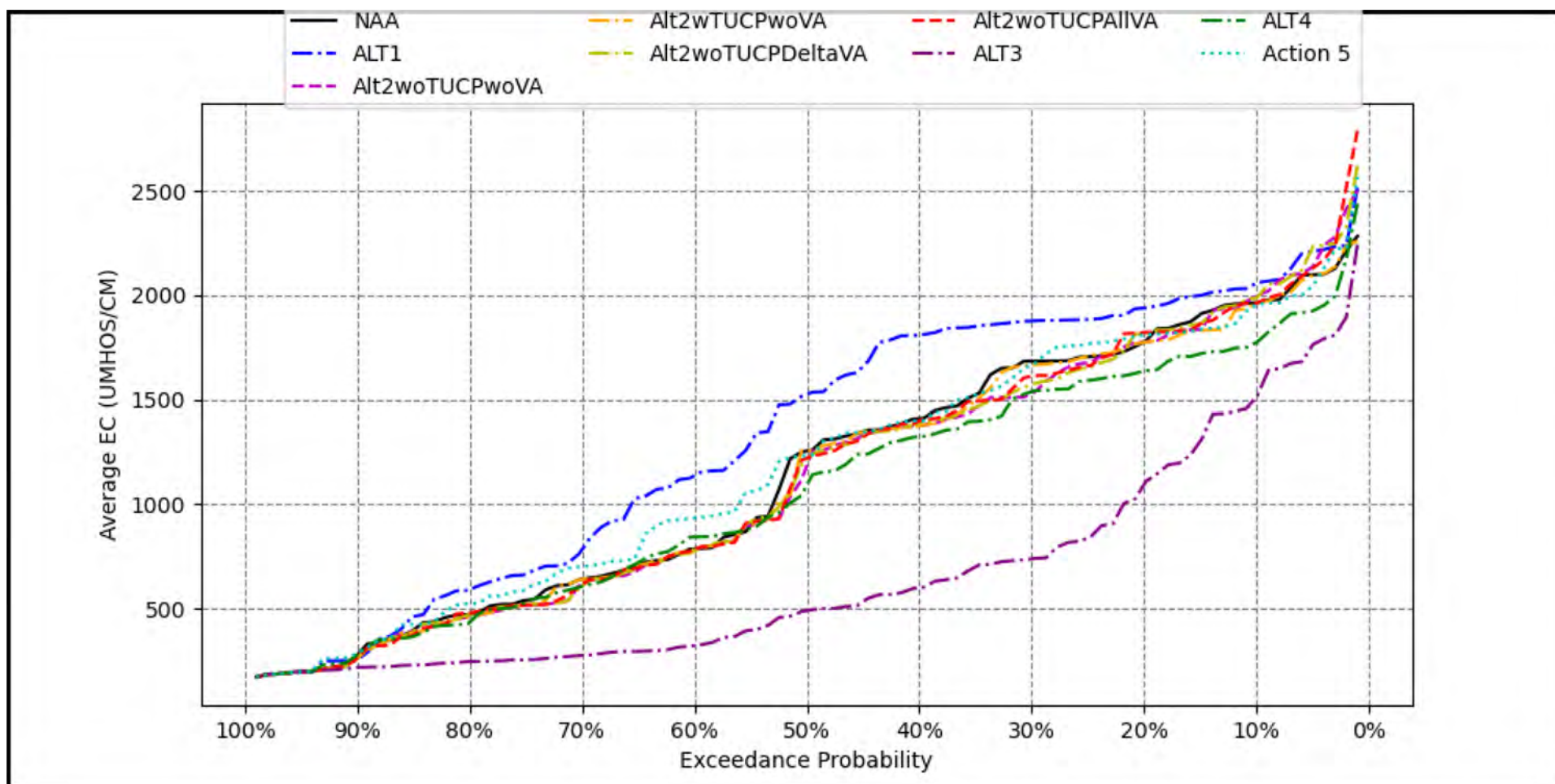
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-10-1 San Joaquin River at Jersey Point Salinity, October EC



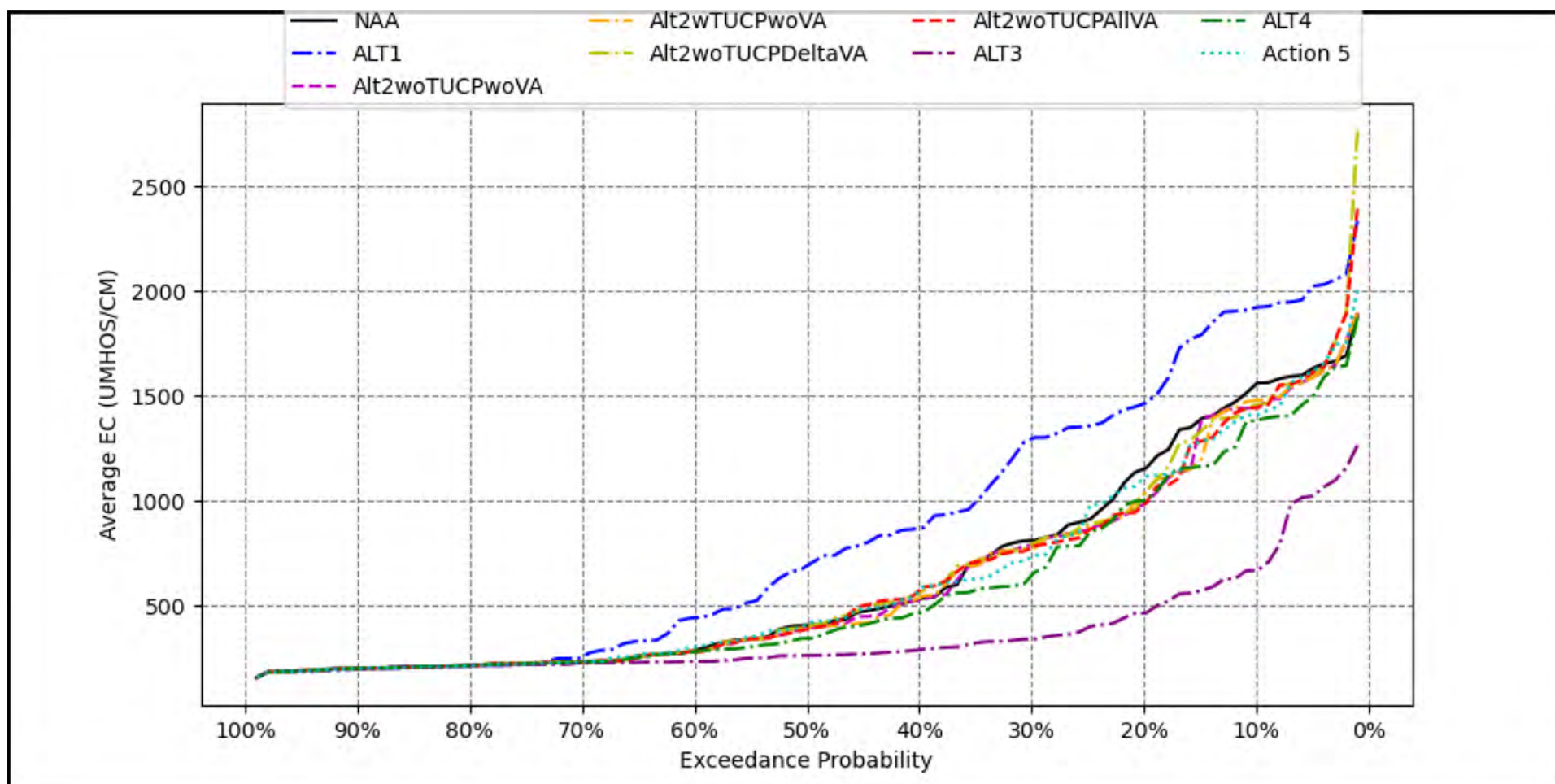
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-10-2 San Joaquin River at Jersey Point Salinity, November EC



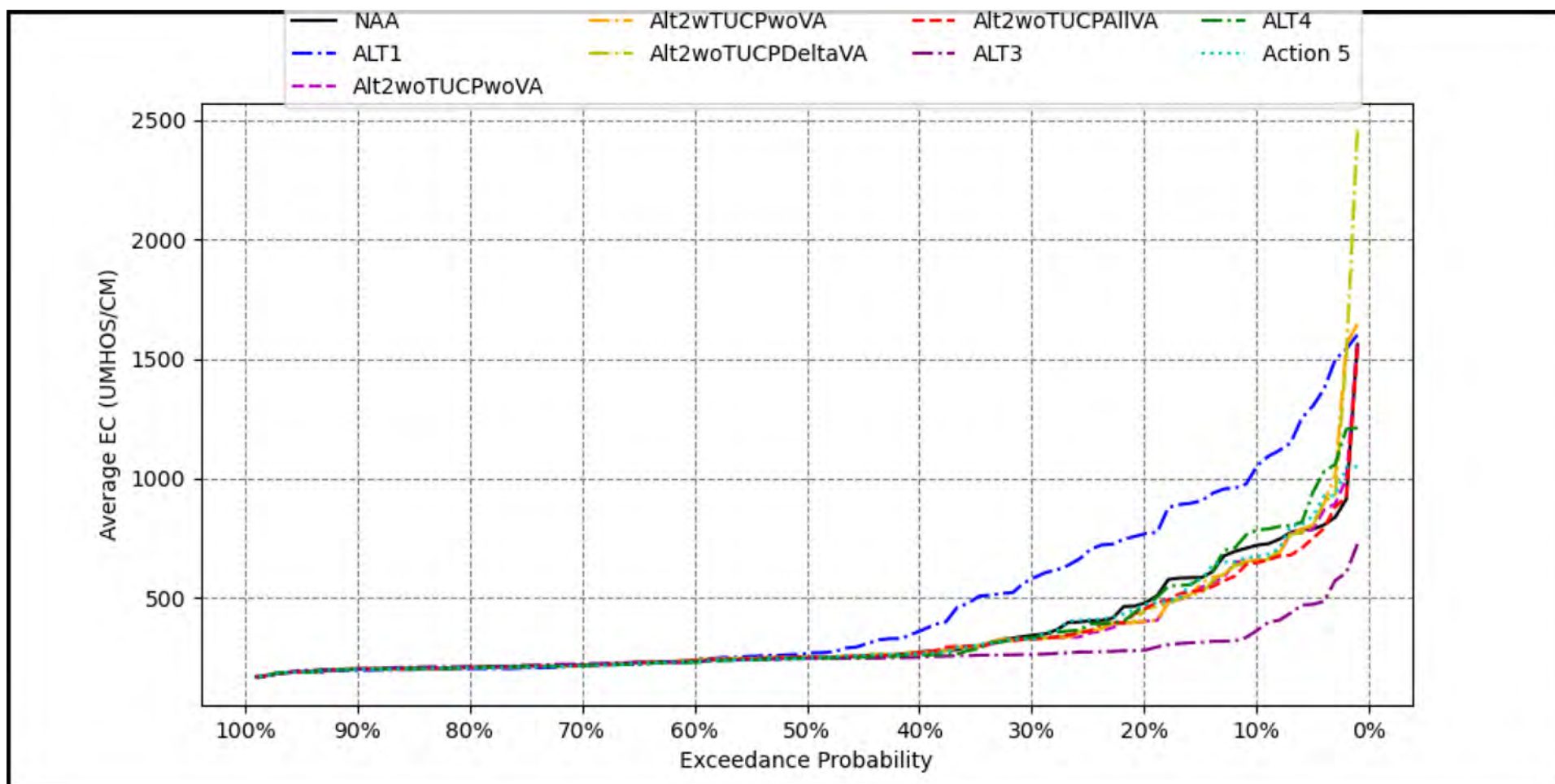
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-10-3 San Joaquin River at Jersey Point Salinity, December EC



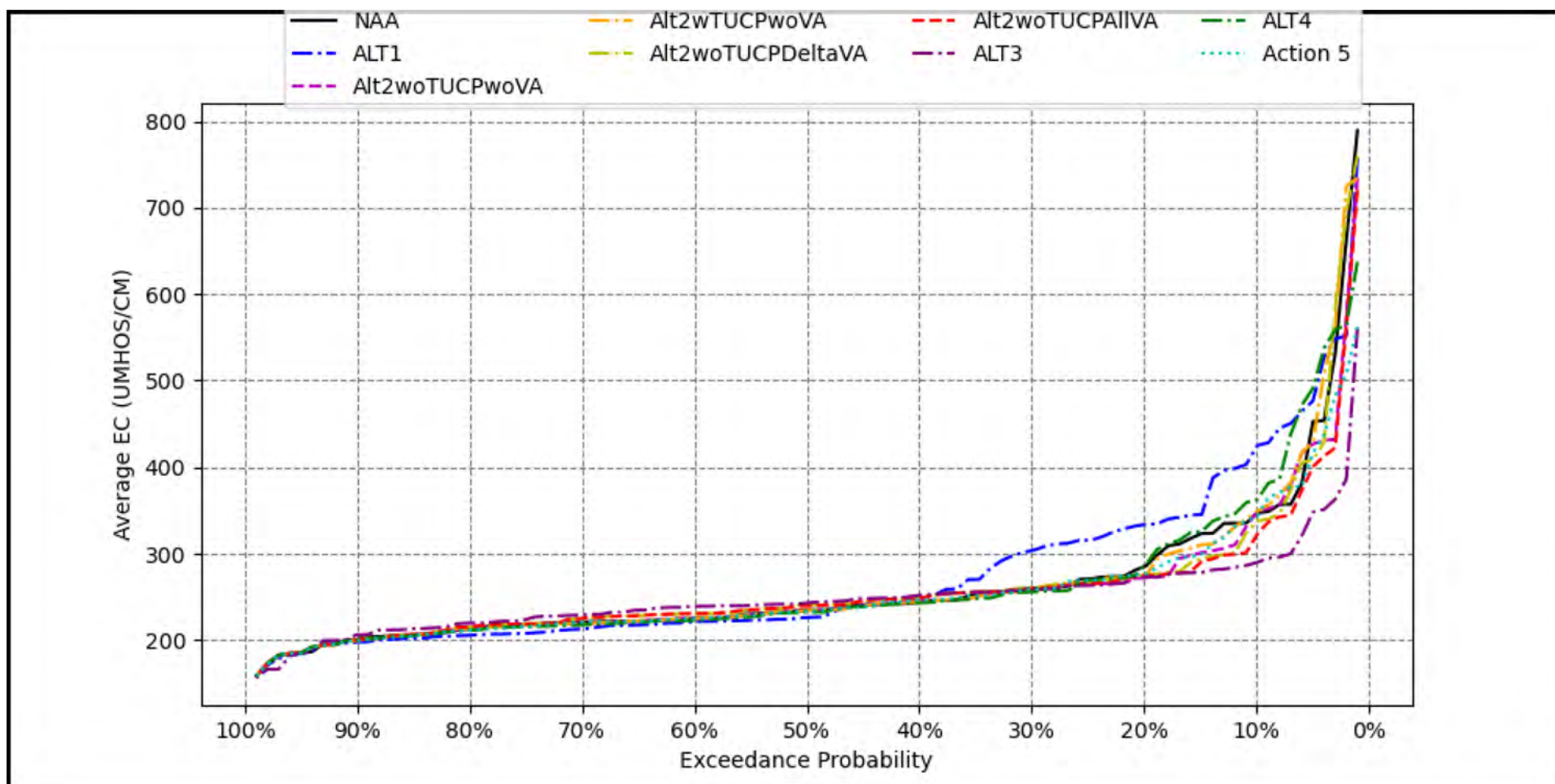
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-10-4 San Joaquin River at Jersey Point Salinity, January EC



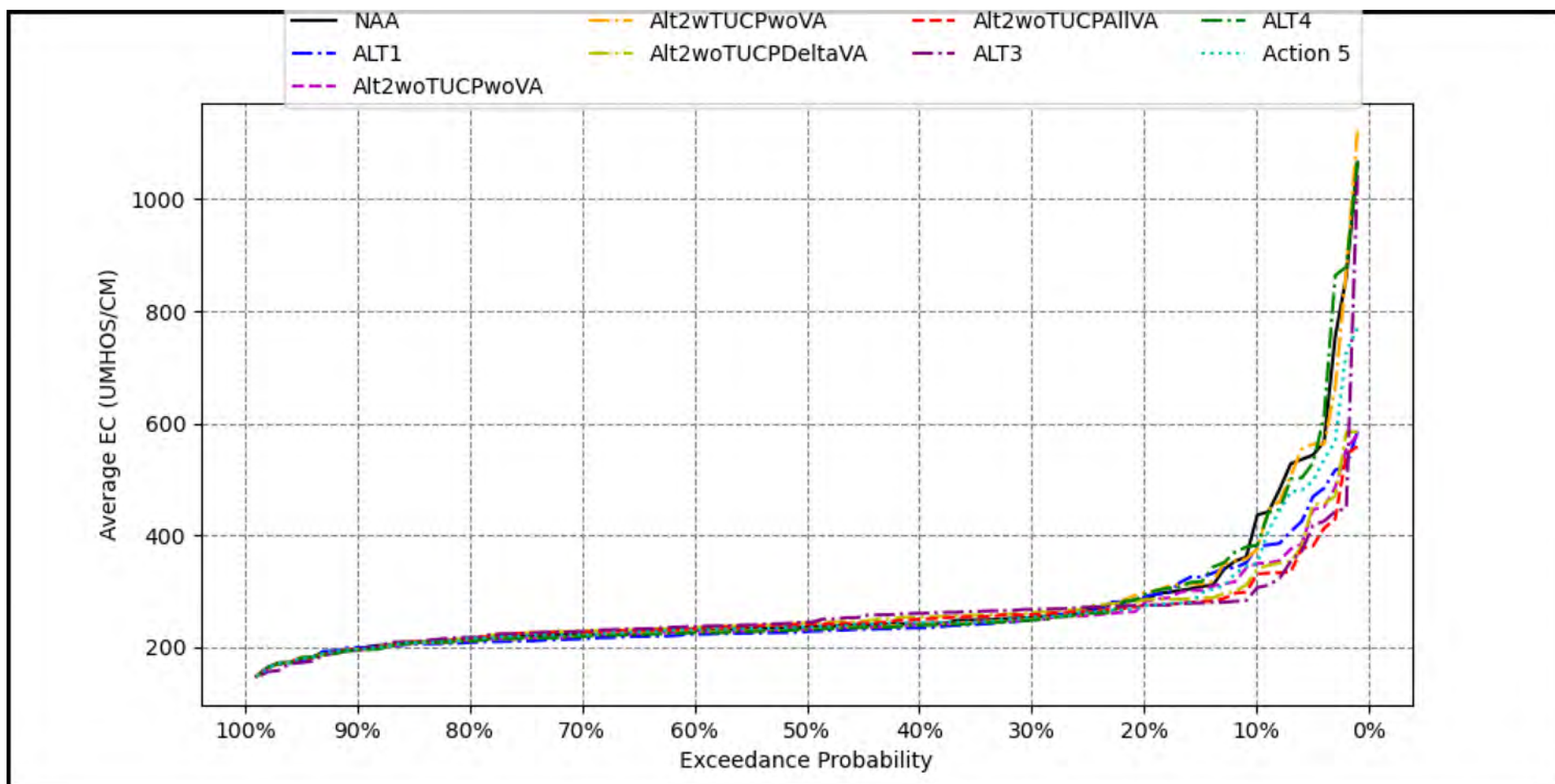
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-10-5 San Joaquin River at Jersey Point Salinity, February EC



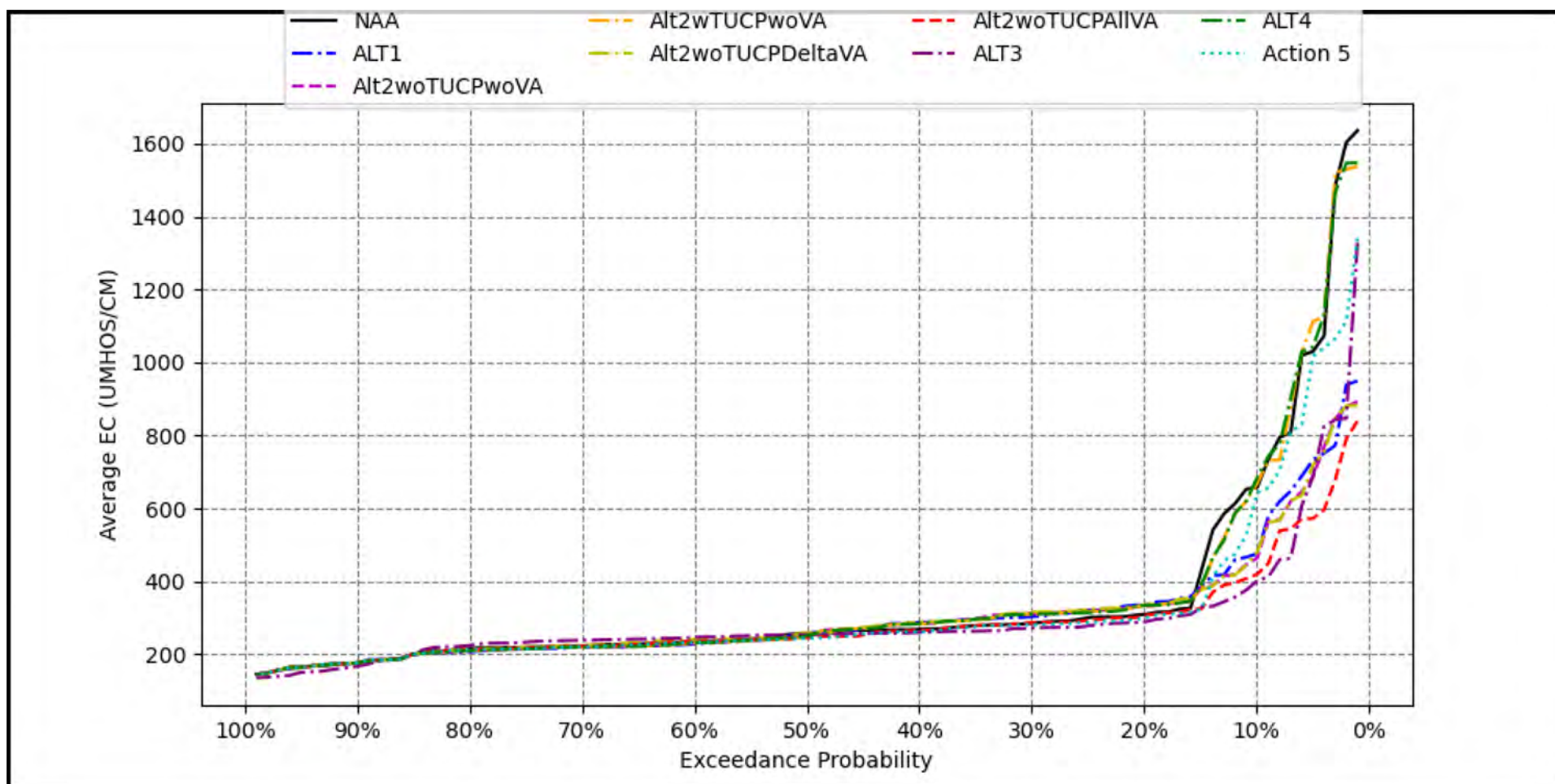
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-10-6 San Joaquin River at Jersey Point Salinity, March EC



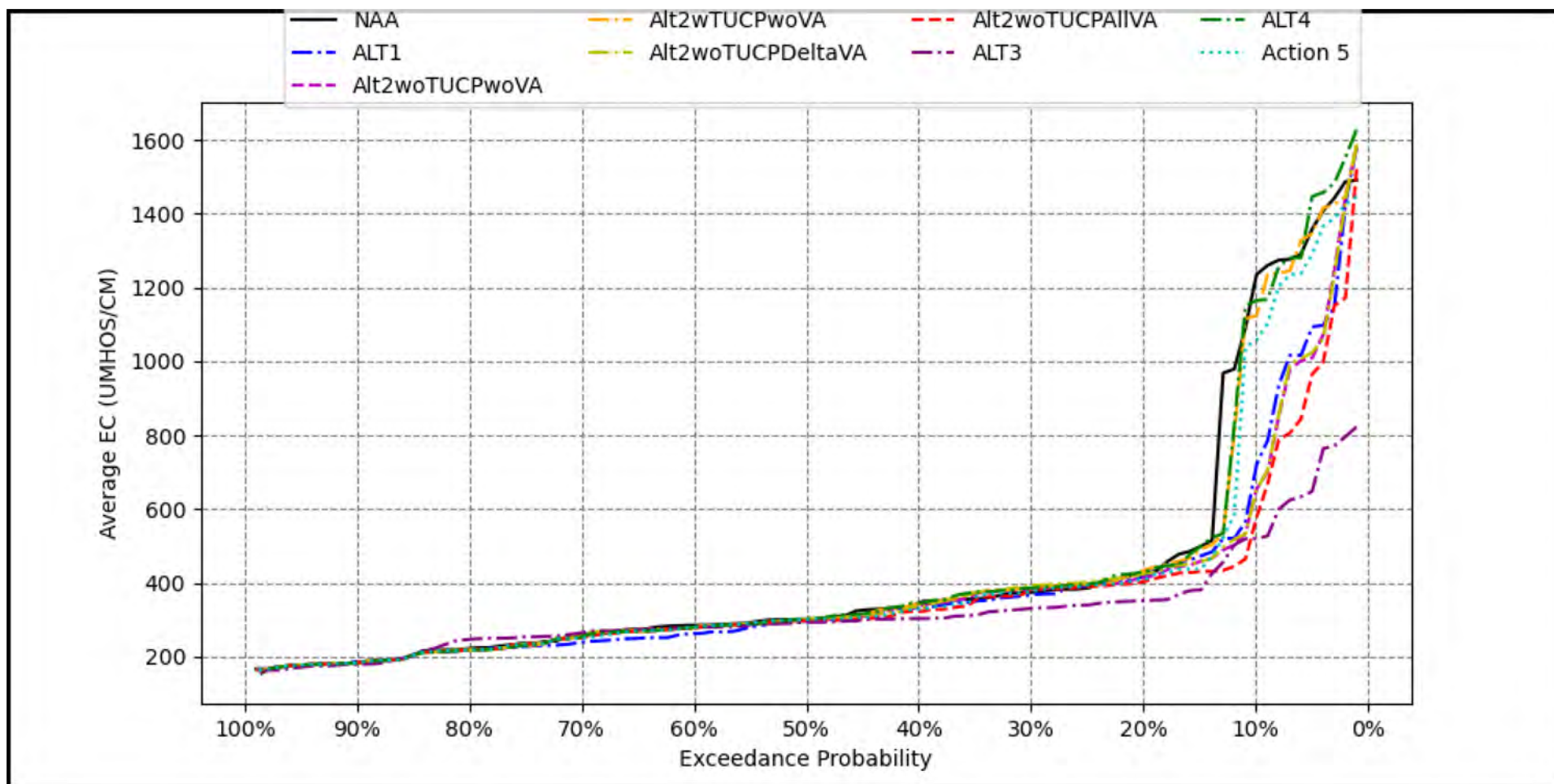
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-10-7 San Joaquin River at Jersey Point Salinity, April EC



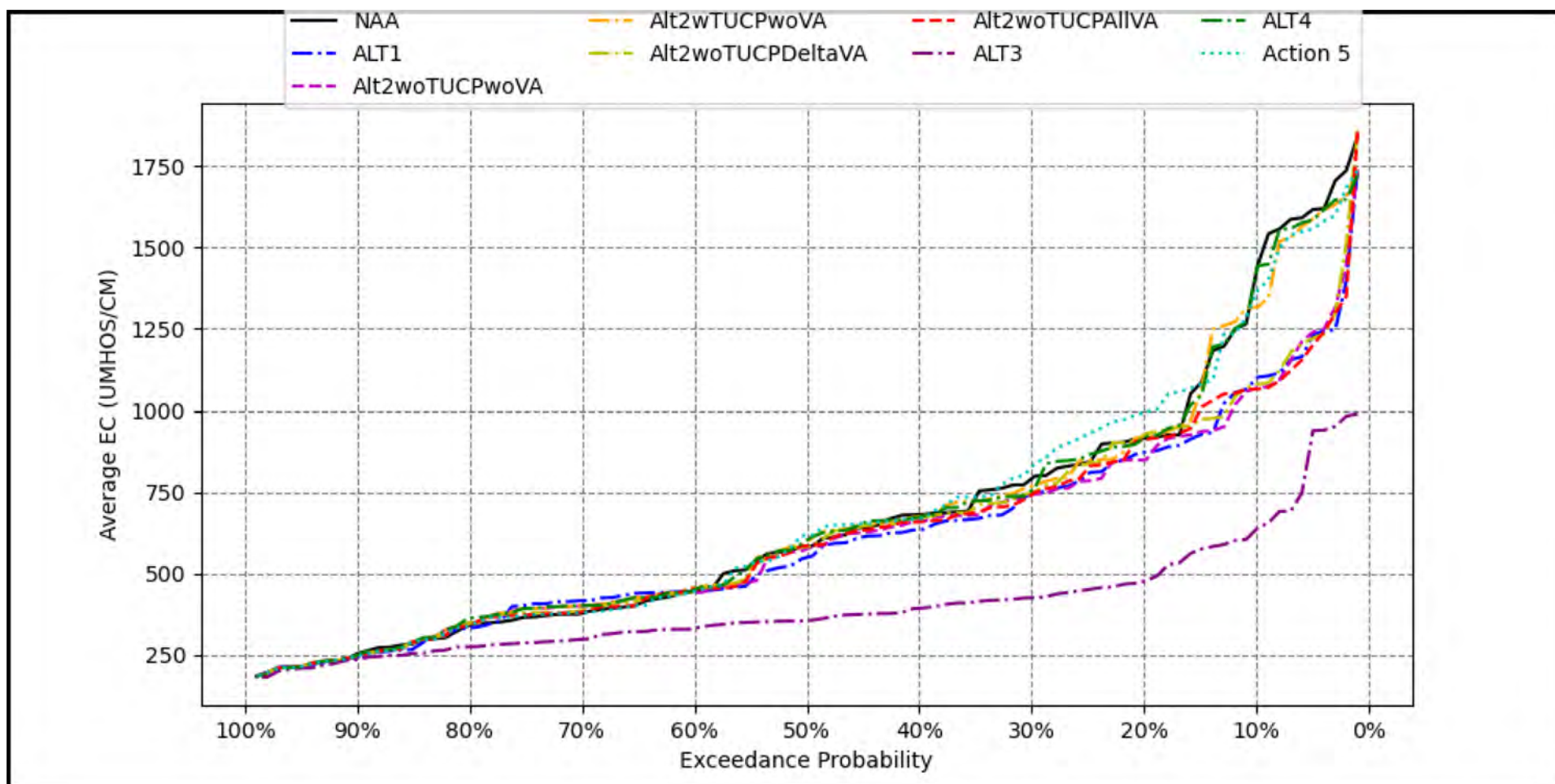
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-10-8 San Joaquin River at Jersey Point Salinity, May EC



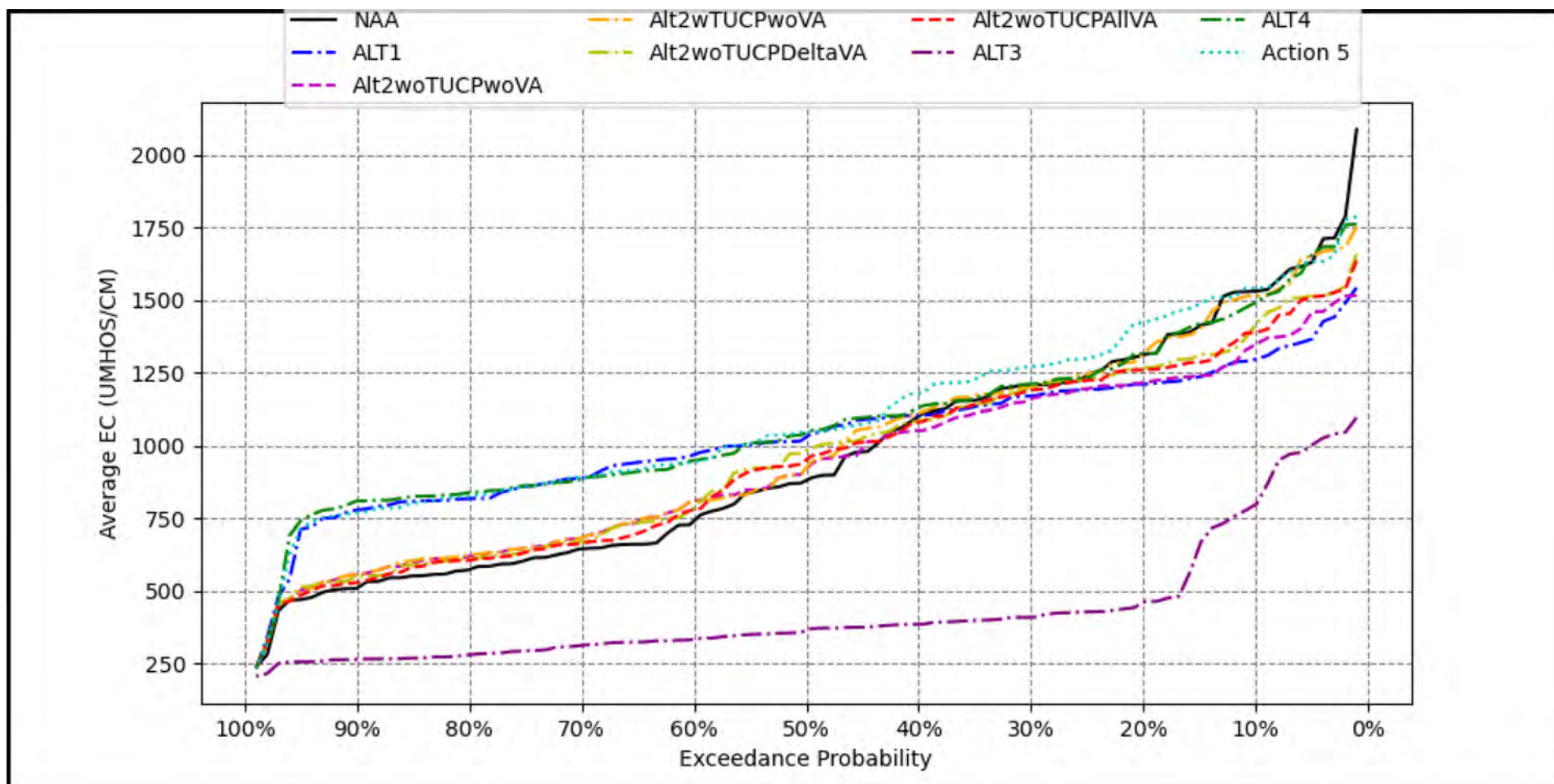
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-10-9 San Joaquin River at Jersey Point Salinity, June EC



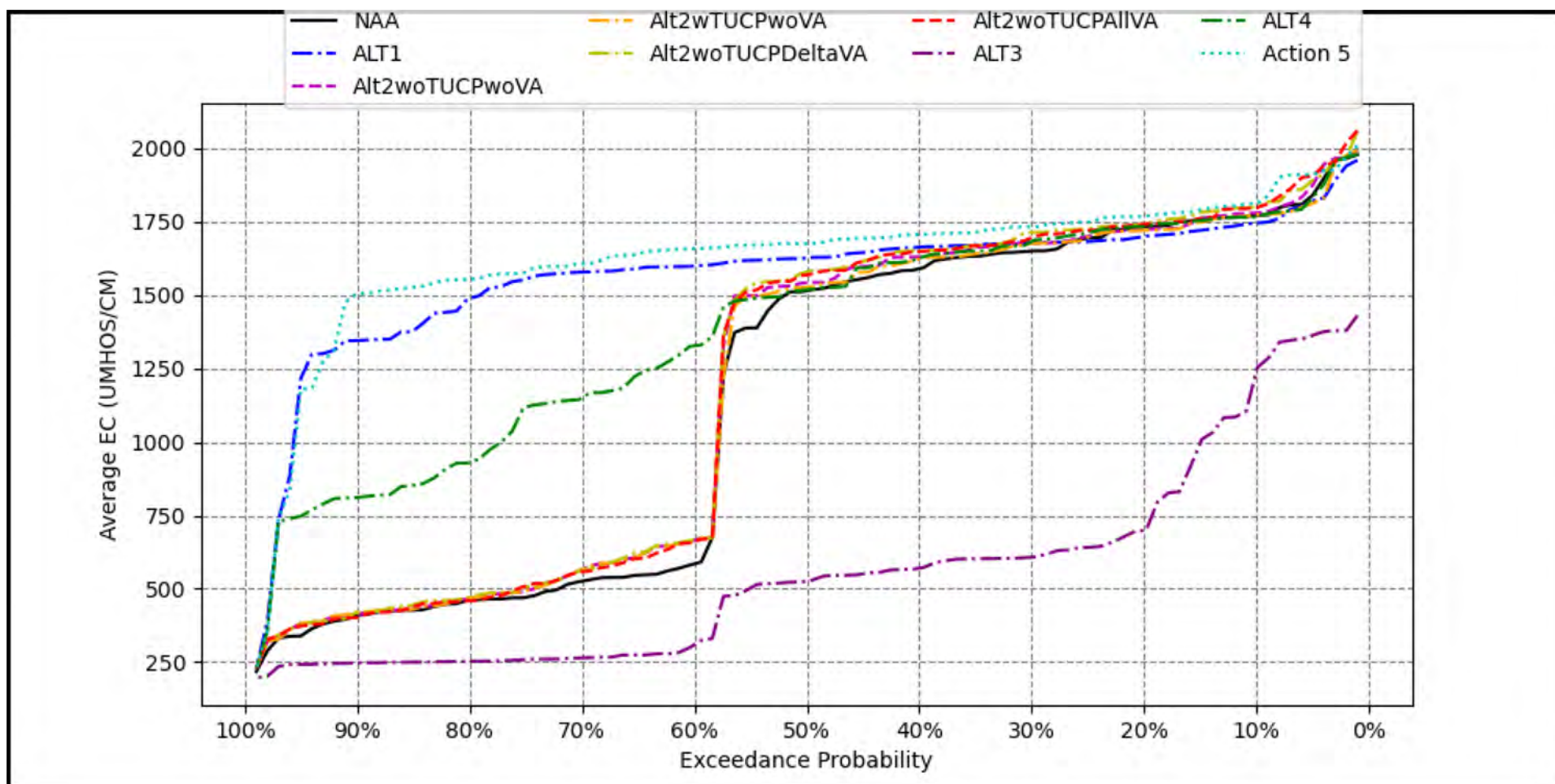
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-10-10 San Joaquin River at Jersey Point Salinity, July EC



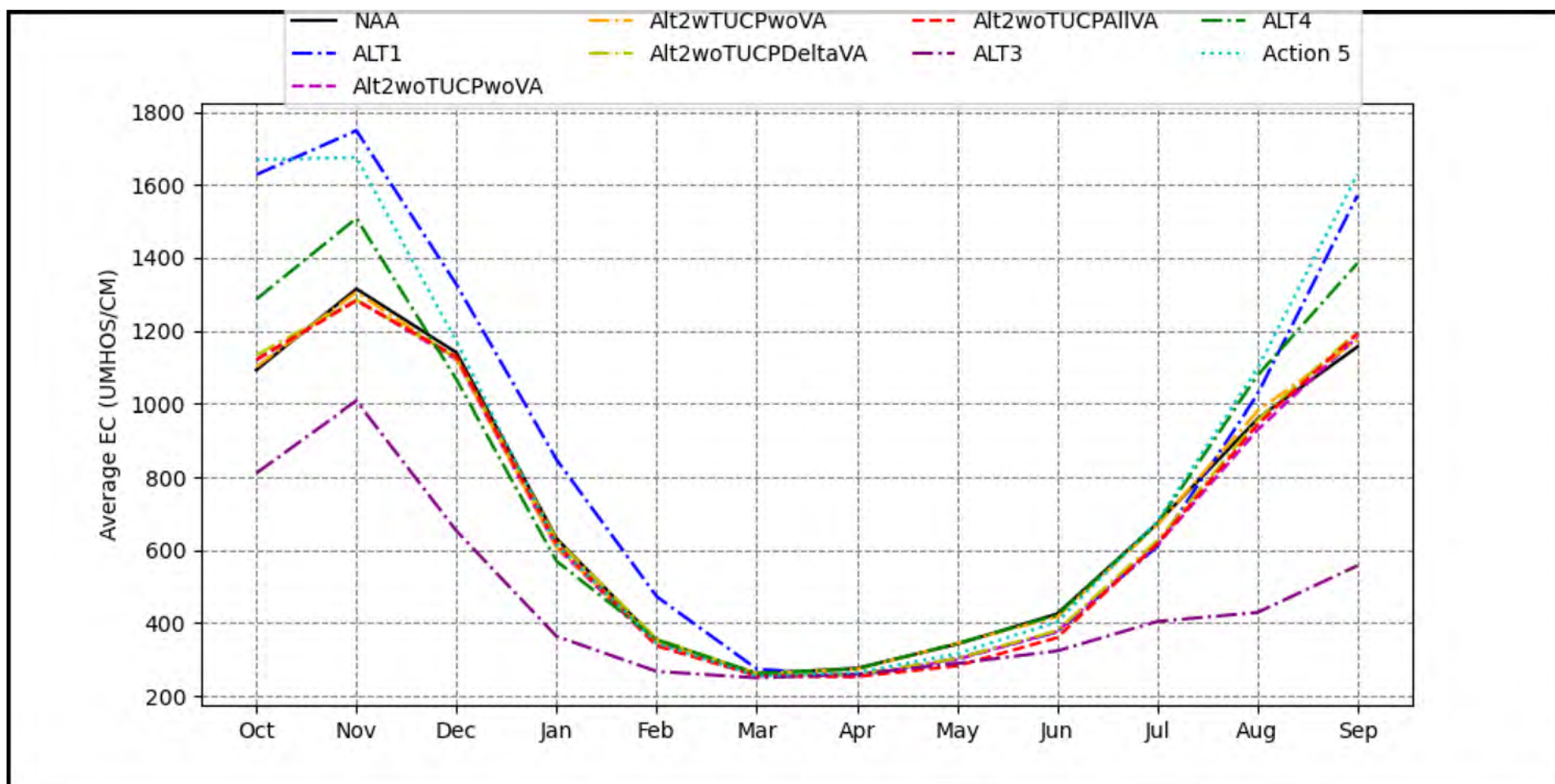
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-10-11 San Joaquin River at Jersey Point Salinity, August EC



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

Figure F.2.5-10-12 San Joaquin River at Jersey Point Salinity, September EC

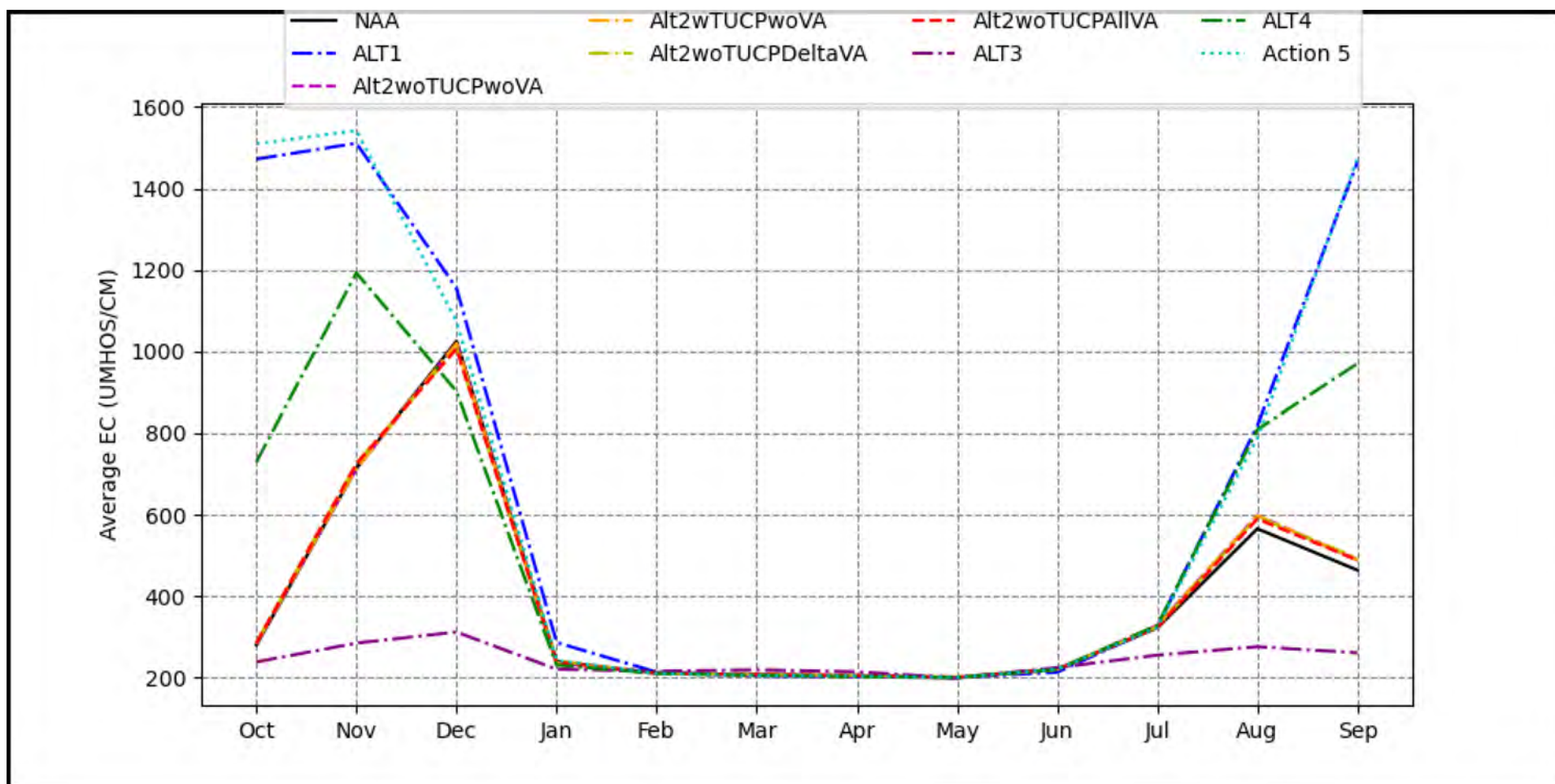


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-10-13 San Joaquin River at Jersey Point Salinity, Long Term Average EC (UMHOS/CM)

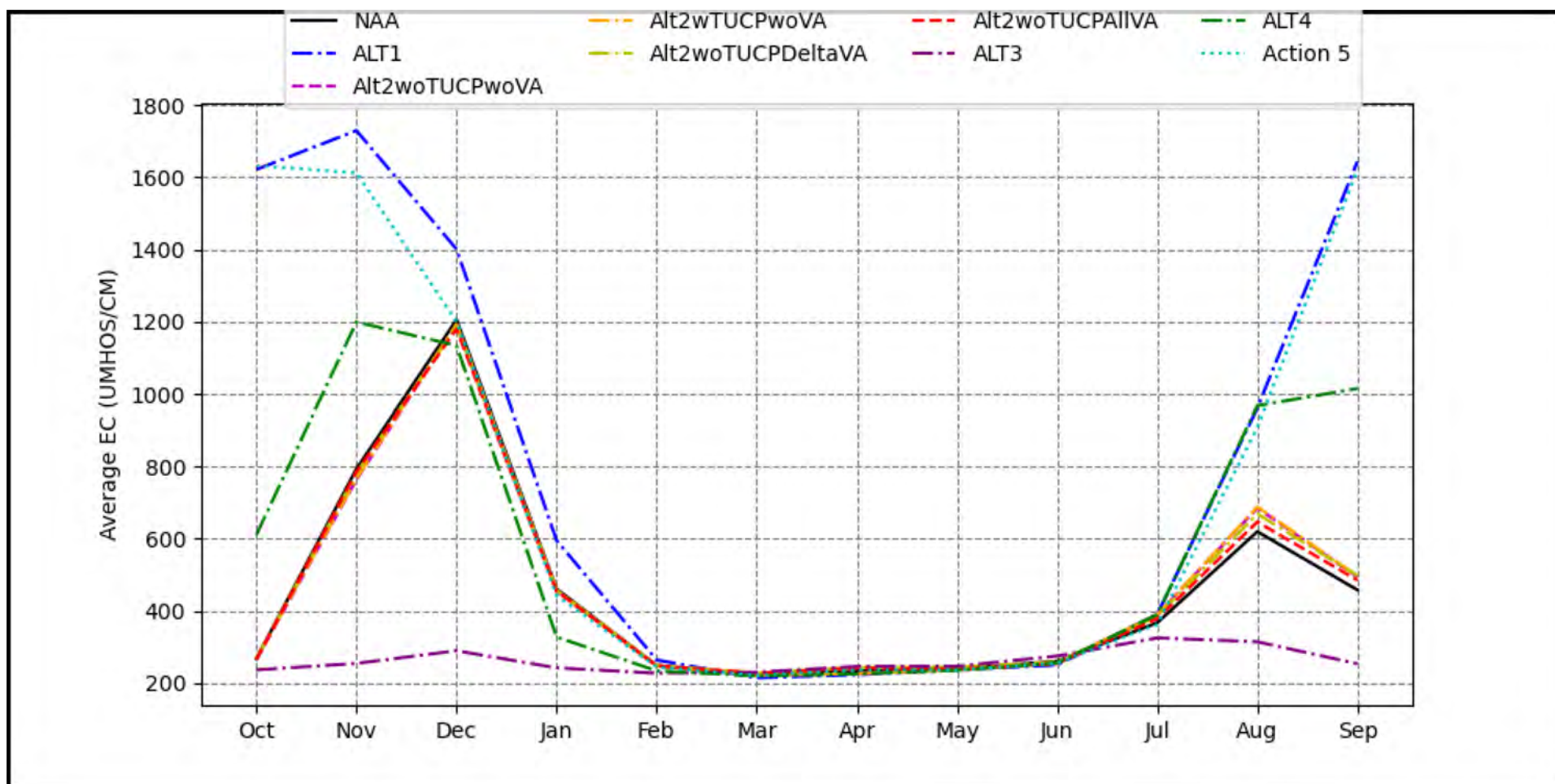


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-10-14 San Joaquin River at Jersey Point Salinity, Wet Year Average EC (UMHOS/CM)

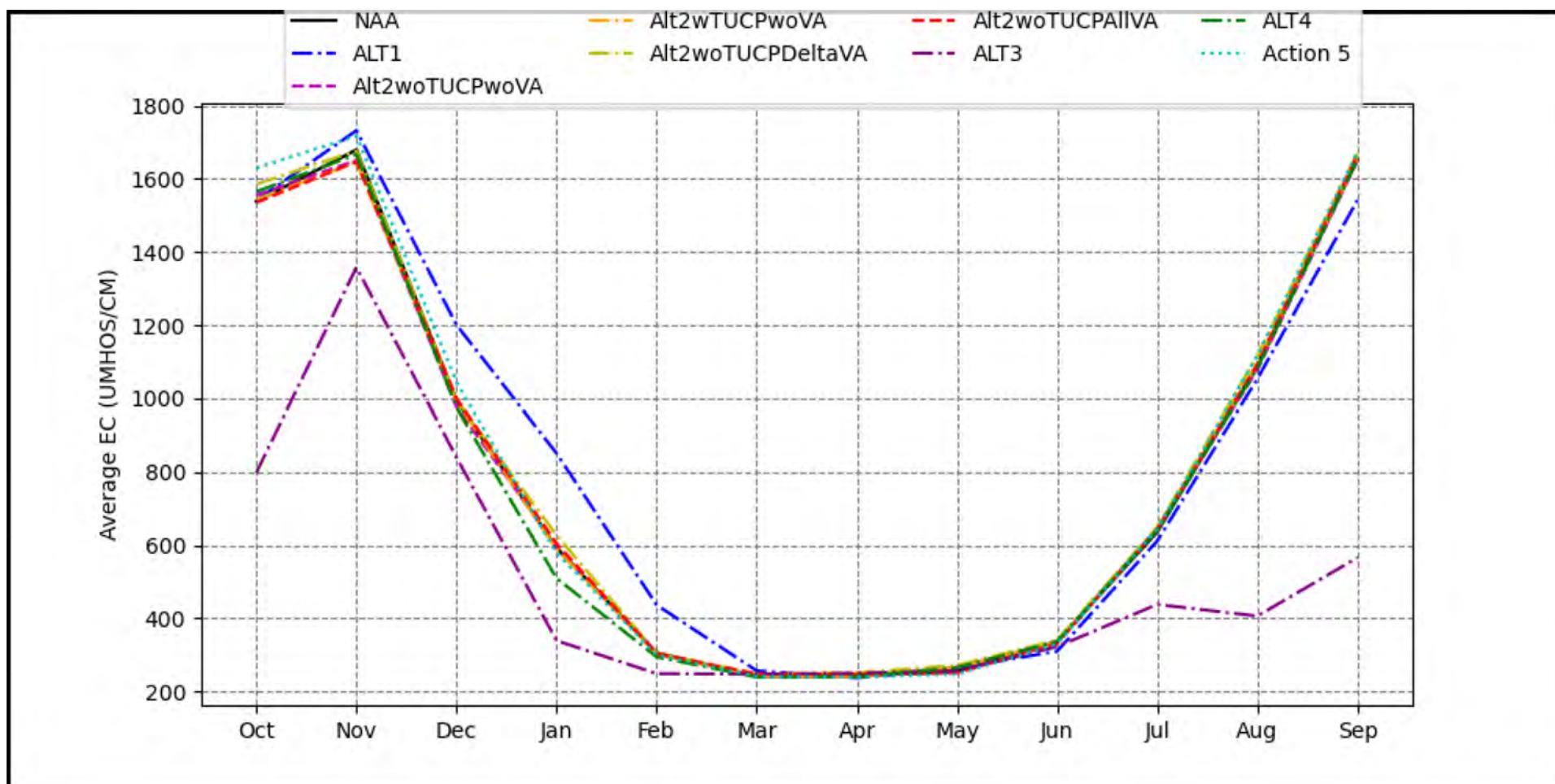


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-10-15 San Joaquin River at Jersey Point Salinity, Above Normal Year Average EC (UMHOS/CM)

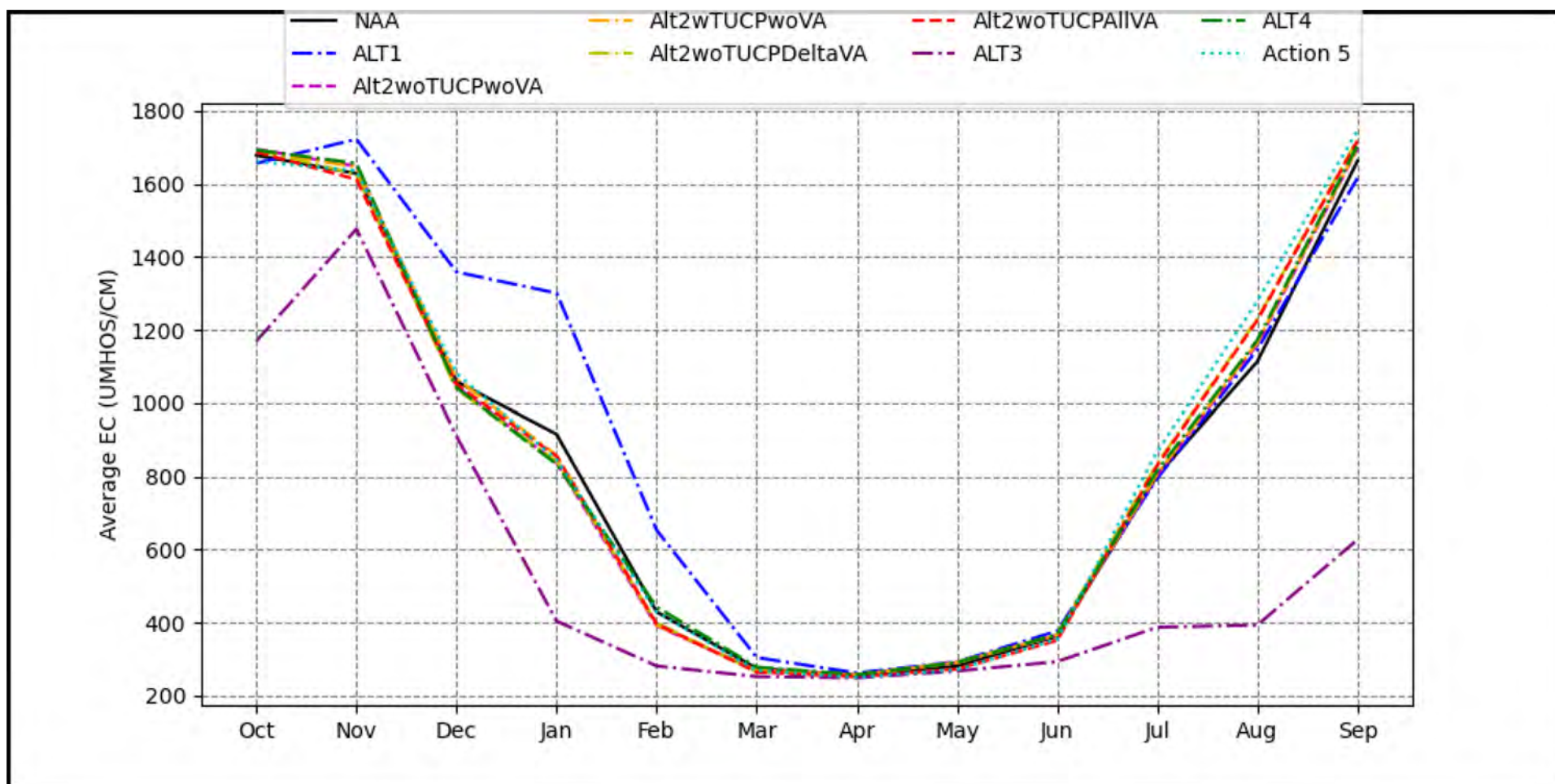


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-10-16 San Joaquin River at Jersey Point Salinity, Below Normal Year Average EC (UMHOS/CM)

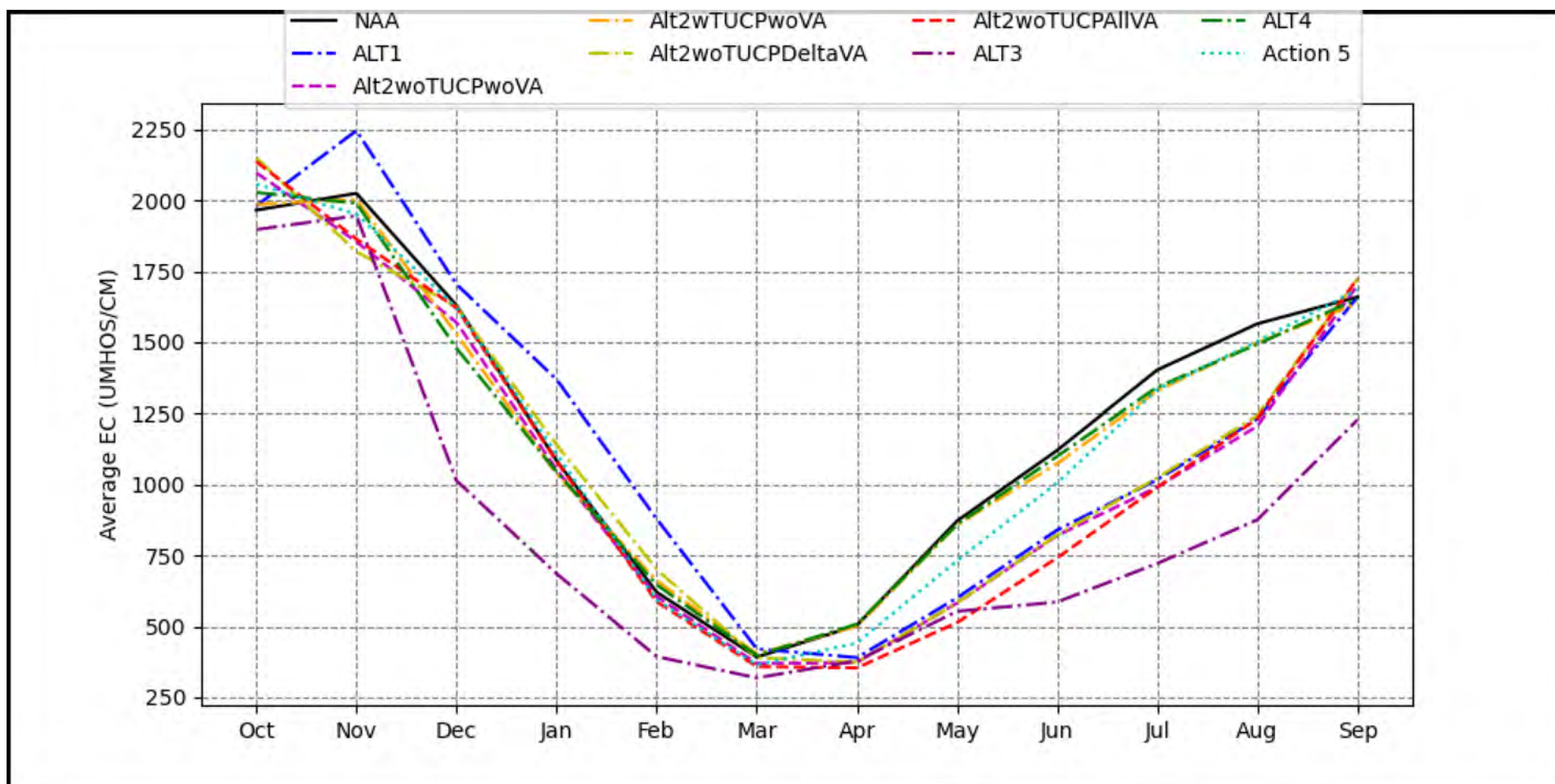


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-10-17 San Joaquin River at Jersey Point Salinity, Dry Year Average EC (UMHOS/CM)



*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-10-18 San Joaquin River at Jersey Point Salinity, Critical Year Average EC (UMHOS/CM)

F.2.5-11 Old River at Rock Slough Salinity

Table F.2.5-11-1 a. Old River at Rock Slough Salinity, NAA, Monthly EC (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 Years (27.7%)	224	299	579	292	282	253	255	230	214	231	273	292
Above Normal Years (13.9%)	224	303	669	433	301	280	318	291	244	243	285	307
Below Normal Years (17.8%)	687	687	666	509	332	289	310	293	254	304	421	642
Dry Years (23.8%)	754	726	686	628	421	301	300	295	261	343	476	622
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-11-1 b. Old River at Rock Slough Salinity, ALT1, Monthly EC (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 Years (27.7%)	623	637	648	297	274	246	240	211	207	229	325	569
Above Normal Years (13.9%)	687	699	753	465	281	247	274	261	230	240	368	650
Below Normal Years (17.8%)	683	714	693	547	389	273	270	267	246	294	433	606
Dry Years (23.8%)	742	759	743	731	537	308	284	280	262	342	481	636
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-11-1 c. Old River at Rock Slough Salinity, ALT1 Minus NAA, Monthly EC (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 Years (27.7%)	399	337	69	5	-8	-8	-15	-19	-7	-2	52	277
Above Normal Years (13.9%)	463	396	84	32	-20	-33	-44	-30	-14	-2	84	343
Below Normal Years (17.8%)	-4	27	26	37	57	-16	-40	-26	-8	-10	13	-36
Dry Years (23.8%)	-12	34	56	103	115	7	-16	-15	1	-1	6	14
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-11-2 a. Old River at Rock Slough Salinity, NAA, Monthly EC (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 Years (27.7%)	224	299	579	292	282	253	255	230	214	231	273	292
Above Normal Years (13.9%)	224	303	669	433	301	280	318	291	244	243	285	307
Below Normal Years (17.8%)	687	687	666	509	332	289	310	293	254	304	421	642
Dry Years (23.8%)	754	726	686	628	421	301	300	295	261	343	476	622
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-11-2 b. Old River at Rock Slough Salinity, Alt2woTUCPwoVA, Monthly EC (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 Years (27.7%)	226	300	575	288	282	251	239	212	211	231	281	302
Above Normal Years (13.9%)	227	298	657	428	311	281	283	263	240	247	307	325
Below Normal Years (17.8%)	700	683	657	511	335	290	289	271	254	305	430	634
Dry Years (23.8%)	764	736	689	614	405	300	291	283	263	346	491	644
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-11-2 c. Old River at Rock Slough Salinity, Alt2woTUCPwoVA Minus NAA, Monthly EC (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 Years (27.7%)	2	1	-4	-5	0	-2	-16	-19	-3	1	8	10
Above Normal Years (13.9%)	3	-6	-13	-4	10	2	-35	-28	-4	4	22	18
Below Normal Years (17.8%)	13	-3	-9	2	3	1	-21	-22	0	1	9	-8
Dry Years (23.8%)	10	11	3	-14	-16	-1	-9	-12	2	3	15	22
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-11-3 a. Old River at Rock Slough Salinity, NAA, Monthly EC (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 Years (27.7%)	224	299	579	292	282	253	255	230	214	231	273	292
Above Normal Years (13.9%)	224	303	669	433	301	280	318	291	244	243	285	307
Below Normal Years (17.8%)	687	687	666	509	332	289	310	293	254	304	421	642
Dry Years (23.8%)	754	726	686	628	421	301	300	295	261	343	476	622
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-11-3 b. Old River at Rock Slough Salinity, Alt2wTUCPwoVA, Monthly EC (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 Years (27.7%)	226	301	575	287	282	252	239	212	211	231	281	302
Above Normal Years (13.9%)	227	299	658	429	313	282	282	263	240	247	308	326
Below Normal Years (17.8%)	694	678	660	503	334	290	289	270	253	305	432	639
Dry Years (23.8%)	763	734	694	626	407	300	292	283	263	346	493	645
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-11-3 c. Old River at Rock Slough Salinity, Alt2wTUCPwoVA Minus NAA, Monthly EC (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 Years (27.7%)	2	2	-4	-5	0	-1	-16	-19	-3	1	8	9
Above Normal Years (13.9%)	3	-5	-11	-4	12	2	-36	-28	-4	4	23	19
Below Normal Years (17.8%)	7	-9	-6	-6	2	1	-21	-23	-1	1	11	-3
Dry Years (23.8%)	9	9	8	-2	-14	-1	-8	-12	2	3	17	23
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-11-4 a. Old River at Rock Slough Salinity, NAA, Monthly EC (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 Years (27.7%)	224	299	579	292	282	253	255	230	214	231	273	292
Above Normal Years (13.9%)	224	303	669	433	301	280	318	291	244	243	285	307
Below Normal Years (17.8%)	687	687	666	509	332	289	310	293	254	304	421	642
Dry Years (23.8%)	754	726	686	628	421	301	300	295	261	343	476	622
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-11-4 b. Old River at Rock Slough Salinity, Alt2woTUCPDeltaVA, Monthly EC (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 Years (27.7%)	226	304	575	294	282	255	257	216	212	231	279	302
Above Normal Years (13.9%)	227	302	664	429	311	315	357	290	244	247	302	321
Below Normal Years (17.8%)	708	693	668	533	338	332	339	287	257	307	438	648
Dry Years (23.8%)	763	731	681	600	407	320	327	303	268	352	509	663
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-11-4 c. Old River at Rock Slough Salinity, Alt2woTUCPDeltaVA Minus NAA, Monthly EC (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 Years (27.7%)	3	4	-4	1	1	2	2	-14	-2	0	6	10
Above Normal Years (13.9%)	3	-1	-5	-4	10	35	39	-1	0	4	17	14
Below Normal Years (17.8%)	21	6	2	23	6	43	29	-5	3	3	17	6
Dry Years (23.8%)	10	5	-5	-28	-14	19	27	8	6	9	33	41
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-11-5 a. Old River at Rock Slough Salinity, NAA, Monthly EC (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 Years (27.7%)	224	299	579	292	282	253	255	230	214	231	273	292
Above Normal Years (13.9%)	224	303	669	433	301	280	318	291	244	243	285	307
Below Normal Years (17.8%)	687	687	666	509	332	289	310	293	254	304	421	642
Dry Years (23.8%)	754	726	686	628	421	301	300	295	261	343	476	622
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-11-5 b. Old River at Rock Slough Salinity, Alt2woTUCPAIIVA, Monthly EC (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 Years (27.7%)	225	303	574	290	282	254	256	216	211	231	278	301
Above Normal Years (13.9%)	225	303	665	427	306	313	356	288	242	246	295	317
Below Normal Years (17.8%)	696	677	670	516	337	332	339	282	251	307	428	646
Dry Years (23.8%)	761	727	682	614	407	320	326	300	262	351	508	661
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-11-5 c. Old River at Rock Slough Salinity, Alt2woTUCPAIIVA Minus NAA, Monthly EC (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 Years (27.7%)	2	4	-5	-3	0	1	2	-14	-3	0	5	9
Above Normal Years (13.9%)	2	-1	-5	-6	6	33	38	-3	-2	3	11	10
Below Normal Years (17.8%)	9	-10	4	7	5	43	29	-11	-3	3	7	4
Dry Years (23.8%)	8	1	-5	-15	-14	19	26	5	1	8	33	39
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-11-6 a. Old River at Rock Slough Salinity, NAA, Monthly EC (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 Years (27.7%)	224	299	579	292	282	253	255	230	214	231	273	292
Above Normal Years (13.9%)	224	303	669	433	301	280	318	291	244	243	285	307
Below Normal Years (17.8%)	687	687	666	509	332	289	310	293	254	304	421	642
Dry Years (23.8%)	754	726	686	628	421	301	300	295	261	343	476	622
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-11-6 b. Old River at Rock Slough Salinity, ALT3, Monthly EC (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 Years (27.7%)	220	238	268	288	292	310	286	238	229	256	251	233
Above Normal Years (13.9%)	220	242	329	331	306	344	405	381	306	283	258	235
Below Normal Years (17.8%)	368	521	645	380	338	359	403	398	311	305	281	278
Dry Years (23.8%)	455	626	635	425	360	333	382	388	325	278	270	290
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-11-6 c. Old River at Rock Slough Salinity, ALT3 Minus NAA, Monthly EC (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 Years (27.7%)	-3	-61	-311	-4	10	56	32	7	15	25	-22	-60
Above Normal Years (13.9%)	-4	-62	-341	-102	5	64	87	91	62	40	-26	-72
Below Normal Years (17.8%)	-319	-166	-21	-130	6	70	93	105	57	1	-140	-364
Dry Years (23.8%)	-298	-99	-51	-203	-62	32	82	93	63	-65	-206	-332
Critical Years (15.8%)	-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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-11-7 a. Old River at Rock Slough Salinity, NAA, Monthly EC (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 Years (27.7%)	224	299	579	292	282	253	255	230	214	231	273	292
Above Normal Years (13.9%)	224	303	669	433	301	280	318	291	244	243	285	307
Below Normal Years (17.8%)	687	687	666	509	332	289	310	293	254	304	421	642
Dry Years (23.8%)	754	726	686	628	421	301	300	295	261	343	476	622
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-11-7 b. Old River at Rock Slough Salinity, ALT4, Monthly EC (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 Years (27.7%)	355	480	617	285	281	250	238	211	211	231	322	456
Above Normal Years (13.9%)	338	438	720	350	293	281	280	262	240	247	365	513
Below Normal Years (17.8%)	699	689	660	450	317	285	287	269	253	305	430	642
Dry Years (23.8%)	761	738	693	562	415	303	291	281	263	349	497	649
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-11-7 c. Old River at Rock Slough Salinity, ALT4 Minus NAA, Monthly EC (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 Years (27.7%)	132	180	38	-7	-1	-4	-17	-19	-3	1	49	163
Above Normal Years (13.9%)	114	135	51	-82	-8	1	-38	-29	-4	4	81	206
Below Normal Years (17.8%)	12	3	-6	-59	-15	-4	-23	-24	-1	1	9	0
Dry Years (23.8%)	7	13	7	-67	-6	2	-9	-14	2	6	22	27
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-11-8 a. Old River at Rock Slough Salinity, NAA, Monthly EC (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 Years (27.7%)	224	299	579	292	282	253	255	230	214	231	273	292
Above Normal Years (13.9%)	224	303	669	433	301	280	318	291	244	243	285	307
Below Normal Years (17.8%)	687	687	666	509	332	289	310	293	254	304	421	642
Dry Years (23.8%)	754	726	686	628	421	301	300	295	261	343	476	622
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-11-8 b. Old River at Rock Slough Salinity, Action 5, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	852	945	985	843	588	376	372	351	449	591	669	759
20% Exceedance	793	878	950	657	487	330	355	316	274	394	575	710
30% Exceedance	755	789	909	617	390	314	332	300	265	341	494	687
40% Exceedance	746	766	863	532	328	305	319	290	257	325	465	668
50% Exceedance	731	730	793	428	299	292	310	285	248	296	406	658
60% Exceedance	712	712	667	340	278	284	299	277	240	254	373	642
70% Exceedance	690	691	588	289	265	270	283	261	236	244	348	623
80% Exceedance	660	650	503	253	245	248	269	242	226	236	315	601
90% Exceedance	595	528	318	230	228	229	253	199	192	219	306	573
Full Simulation Period Average^a	715	730	725	484	363	299	310	287	279	334	448	648
Wet Years (27.7%)	630	667	668	295	279	251	255	216	211	231	316	571
Above Normal Years (13.9%)	673	655	749	415	305	287	335	284	241	238	343	634
Below Normal Years (17.8%)	710	708	693	497	324	300	315	277	250	307	434	658
Dry Years (23.8%)	753	716	695	581	414	310	316	295	259	360	526	674
Critical Years (15.8%)	857	958	886	714	530	377	370	416	492	592	672	743

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-11-8 c. Old River at Rock Slough Salinity, Action 5 Minus NAA, Monthly EC (UMHOS/CM)

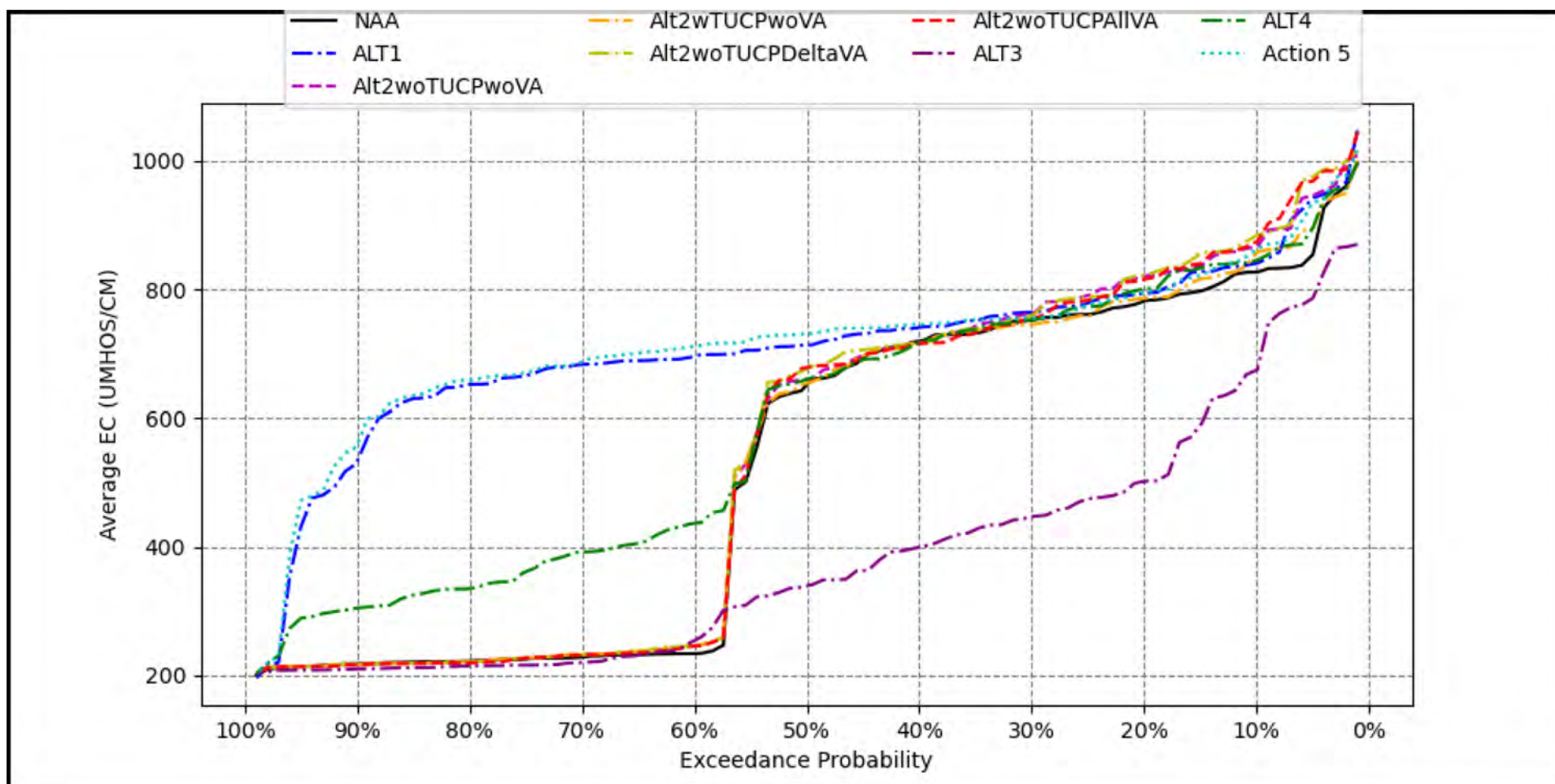
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	25	5	23	-92	8	26	4	-36	-16	-37	-4	4
20% Exceedance	15	27	28	-89	-7	7	7	-16	-2	25	47	13
30% Exceedance	4	37	25	13	6	10	18	-9	-1	6	23	30
40% Exceedance	27	53	17	-8	-1	11	11	-8	-4	8	35	50
50% Exceedance	79	83	15	-17	-9	8	9	-2	-6	-4	30	82
60% Exceedance	478	375	87	12	-7	10	11	-1	-6	-4	44	299
70% Exceedance	461	367	85	6	-3	4	6	-7	-5	1	55	305
80% Exceedance	438	350	65	-4	-5	-8	0	-16	-2	2	46	306
90% Exceedance	377	267	5	1	-1	-9	6	-19	-1	-1	49	294
Full Simulation Period Average^a	190	161	41	-12	-4	4	5	-15	-11	-1	30	138
Wet Years (27.7%)	407	367	89	2	-3	-2	1	-15	-3	0	43	279
Above Normal Years (13.9%)	450	351	79	-17	4	8	17	-7	-3	-5	58	327
Below Normal Years (17.8%)	23	21	27	-13	-8	11	4	-16	-4	3	13	16
Dry Years (23.8%)	-1	-10	9	-48	-7	10	16	0	-2	17	50	52
Critical Years (15.8%)	33	7	-36	24	-3	-5	-13	-45	-55	-33	-30	-7

^a Based on the 100-year simulation period.

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

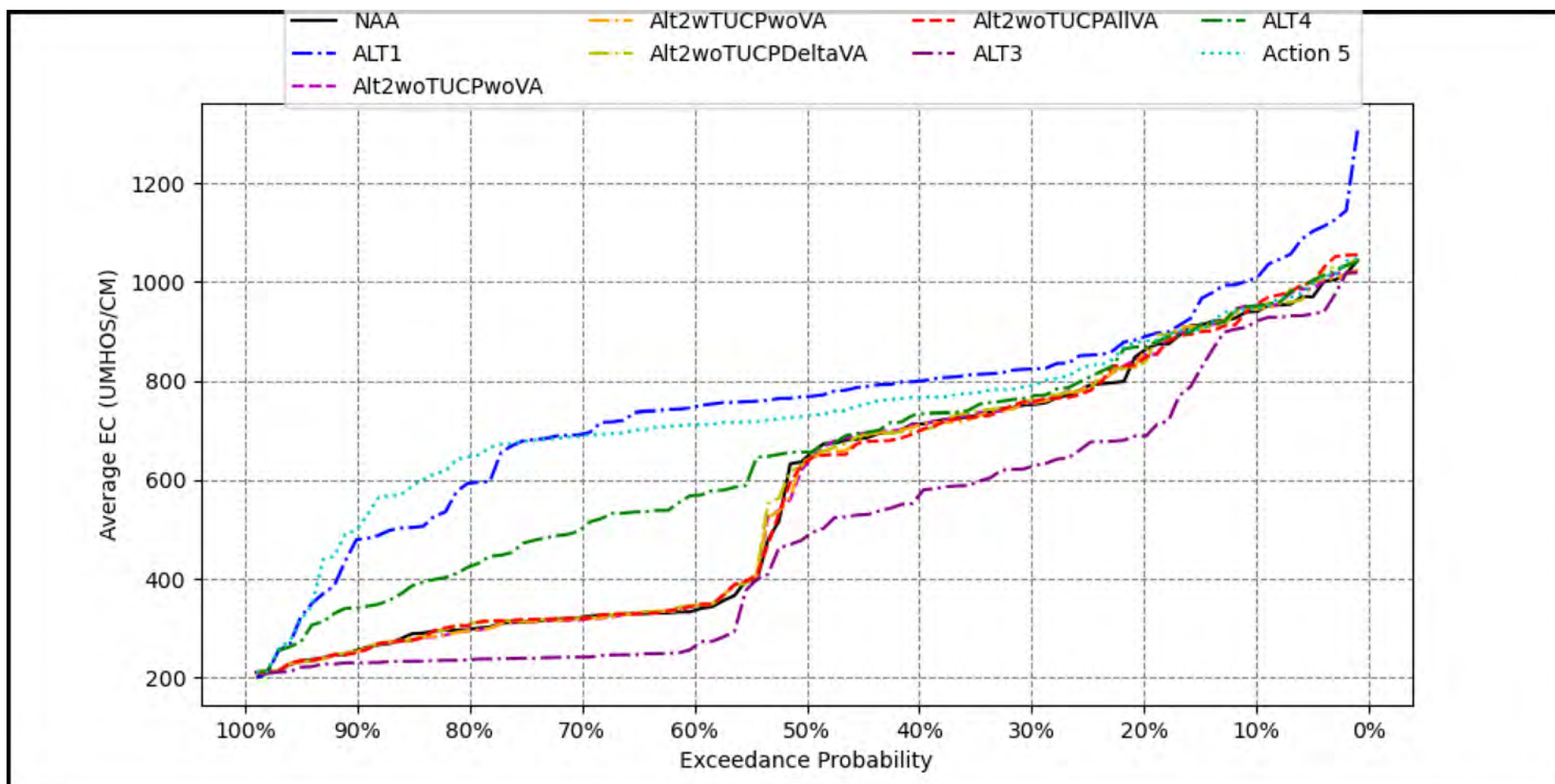
* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.



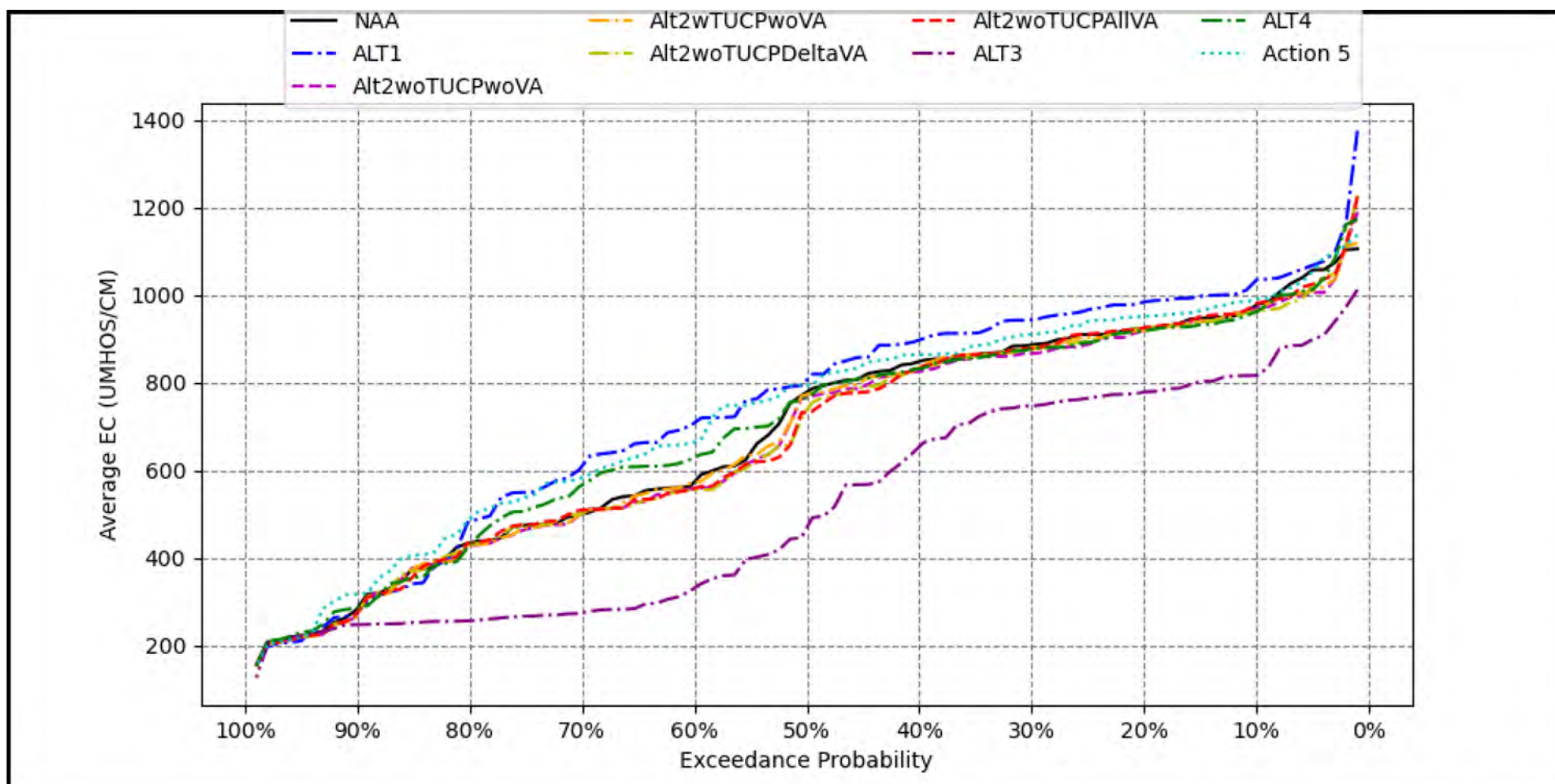
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-11-1 Old River at Rock Slough Salinity, October EC



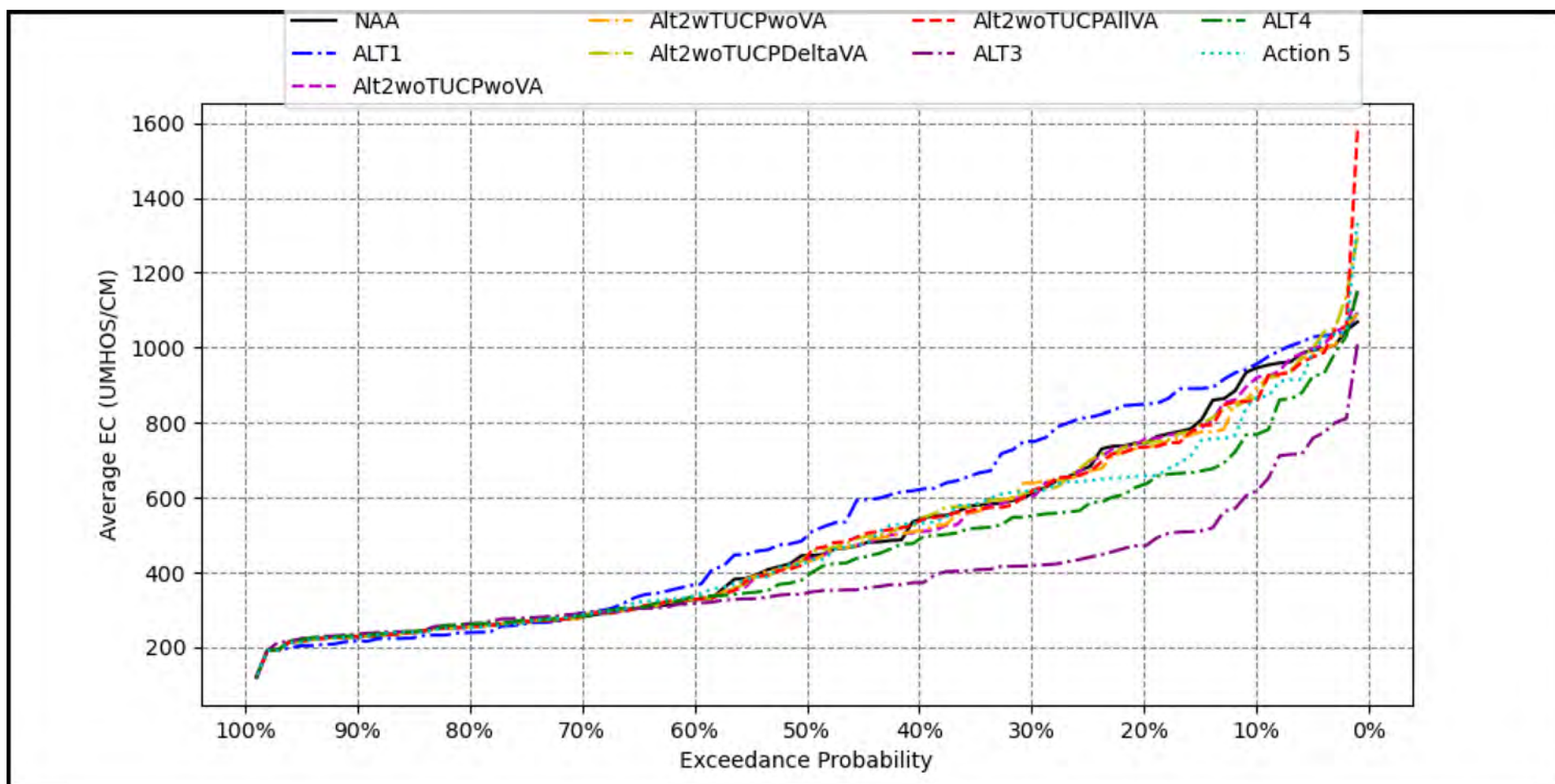
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-11-2 Old River at Rock Slough Salinity, November EC



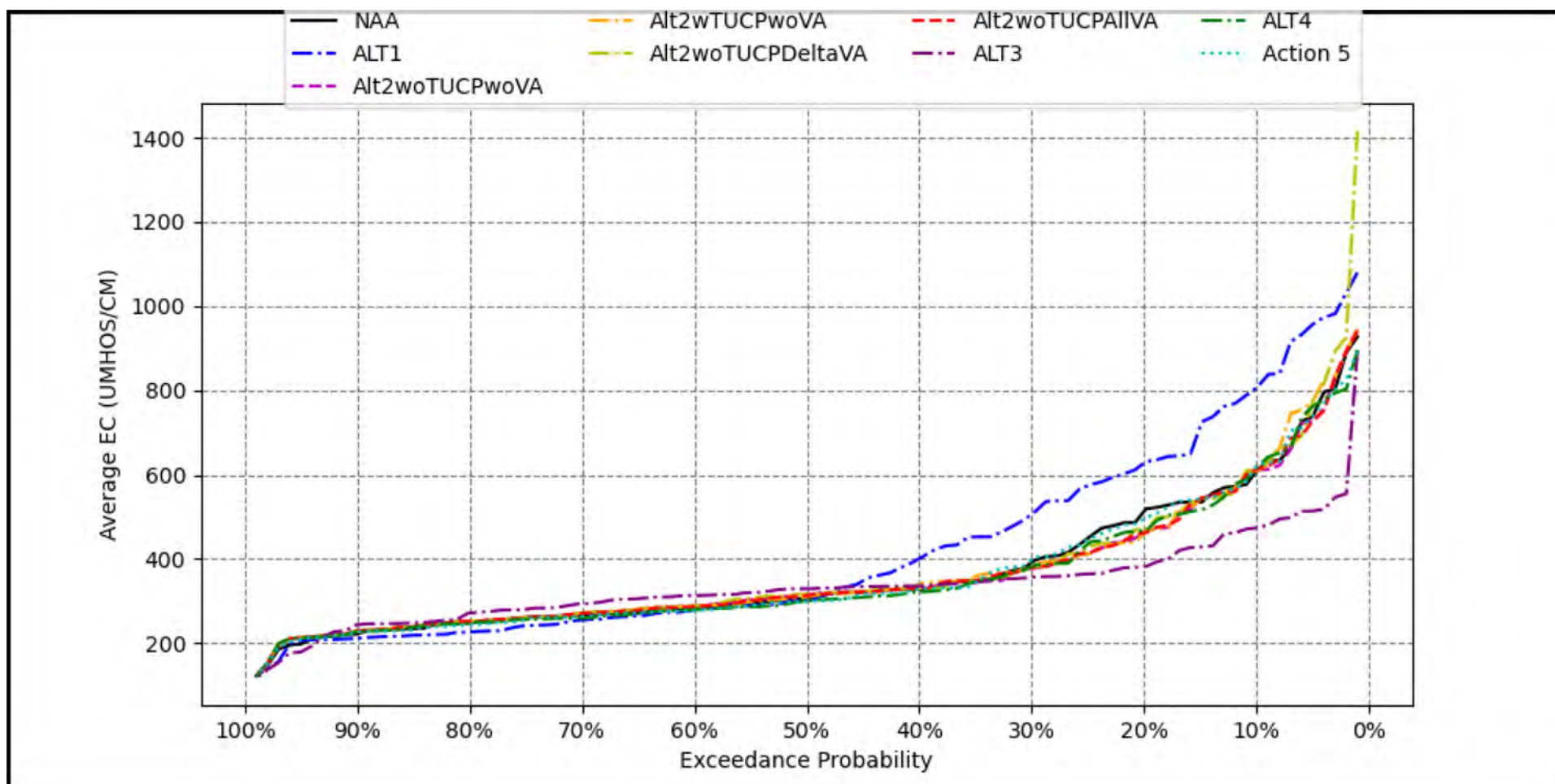
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-11-3 Old River at Rock Slough Salinity, December EC



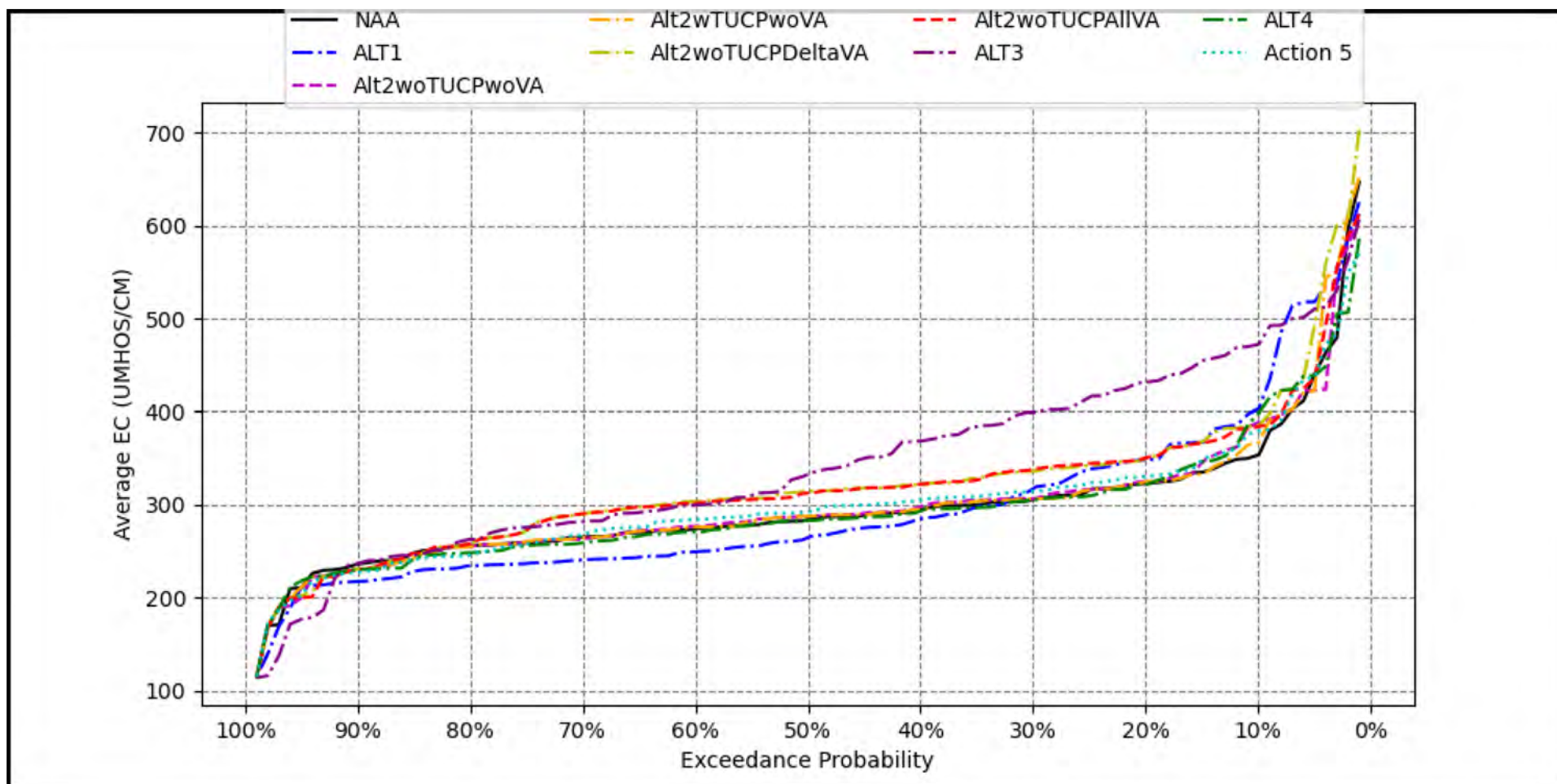
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-11-4 Old River at Rock Slough Salinity, January EC



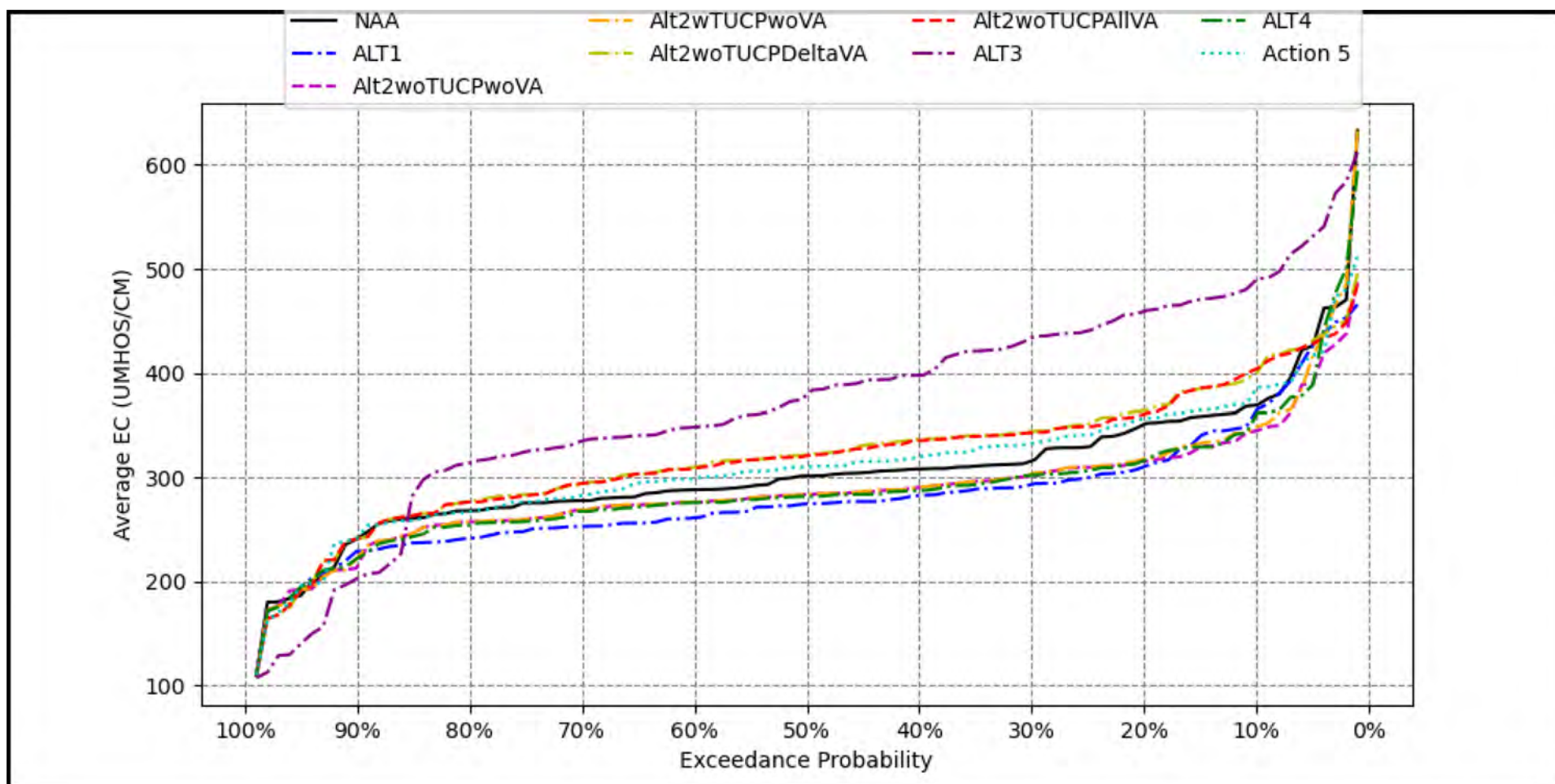
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-11-5 Old River at Rock Slough Salinity, February EC



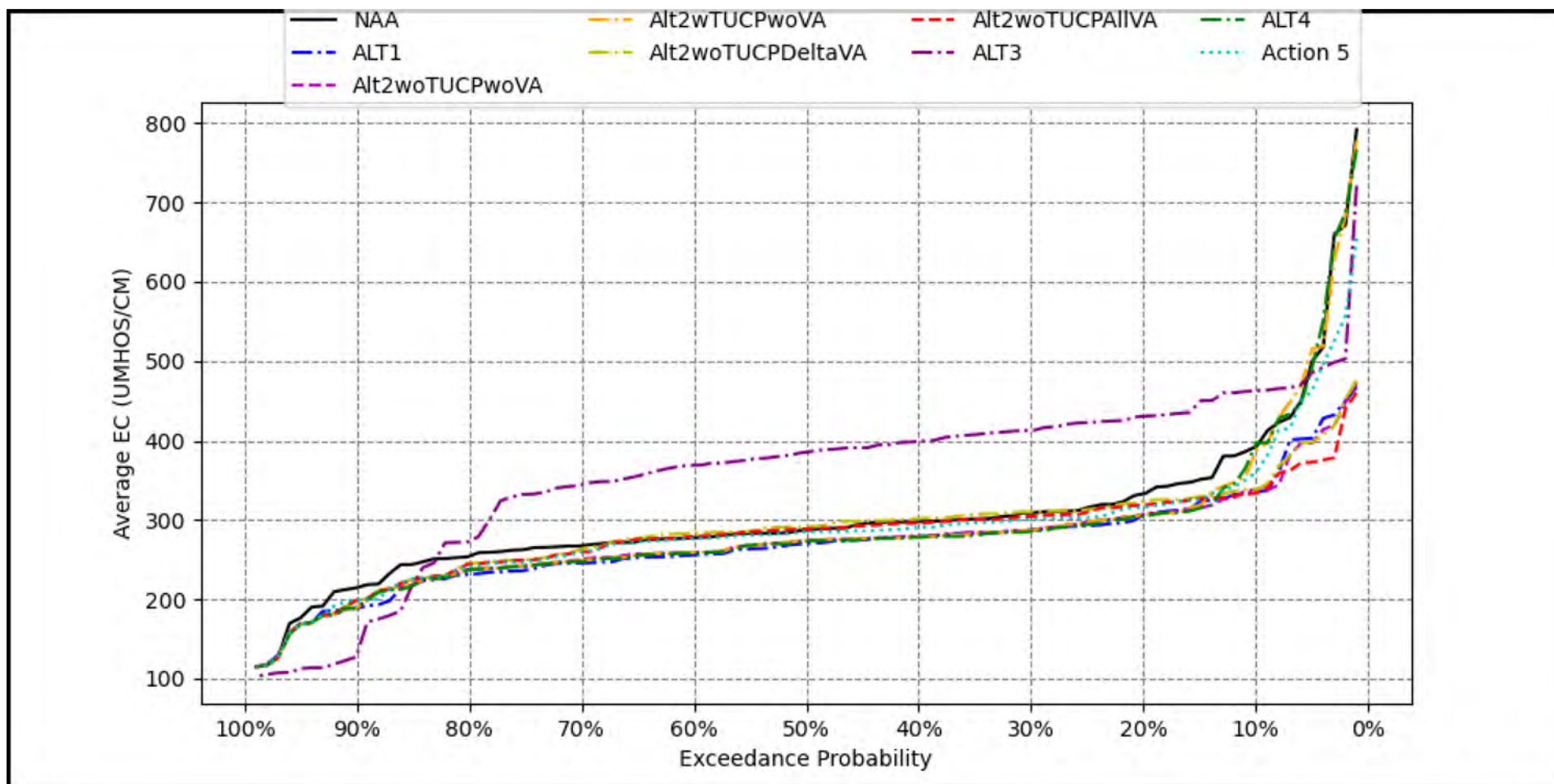
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-11-6 Old River at Rock Slough Salinity, March EC



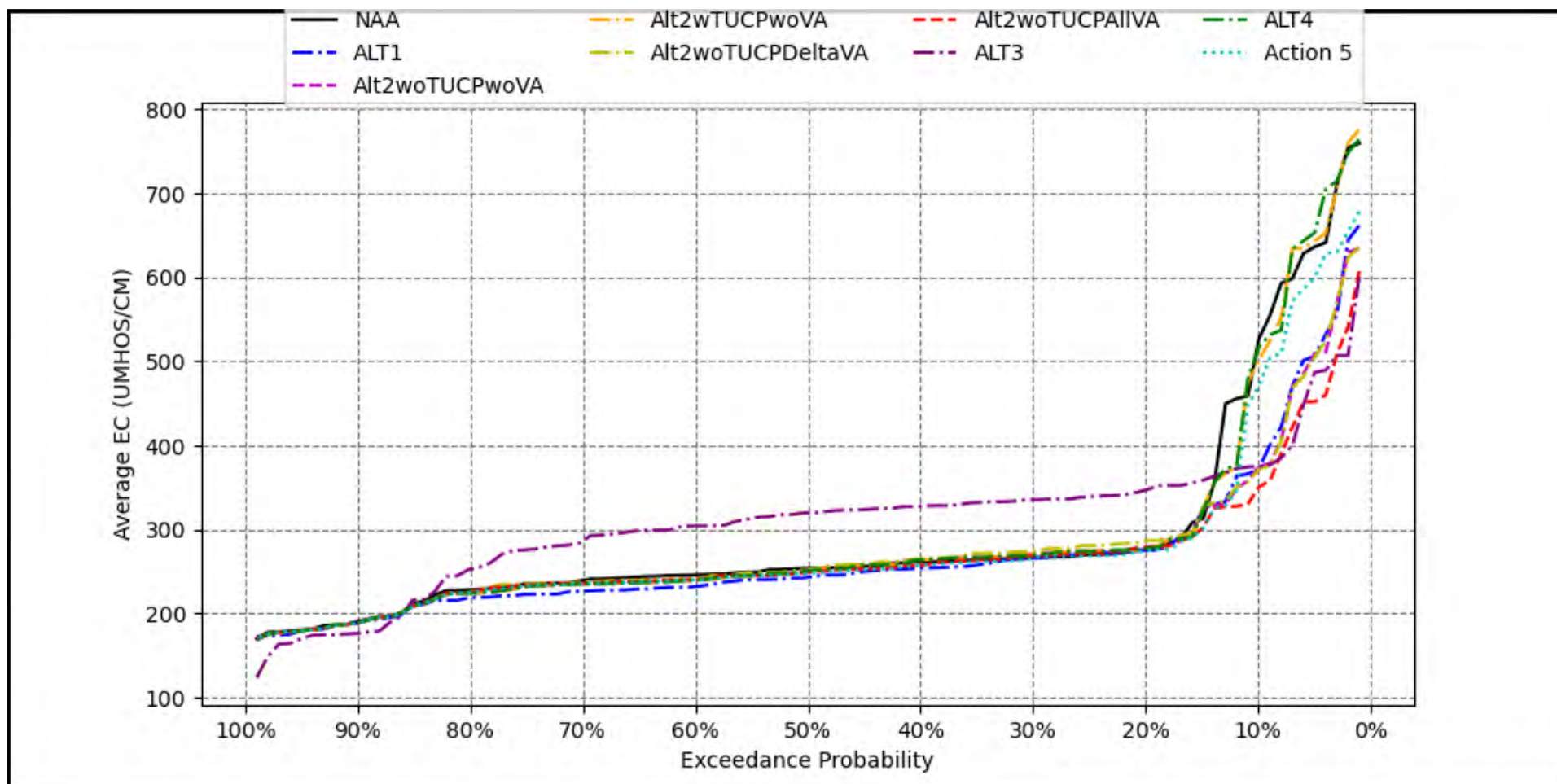
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-11-7 Old River at Rock Slough Salinity, April EC



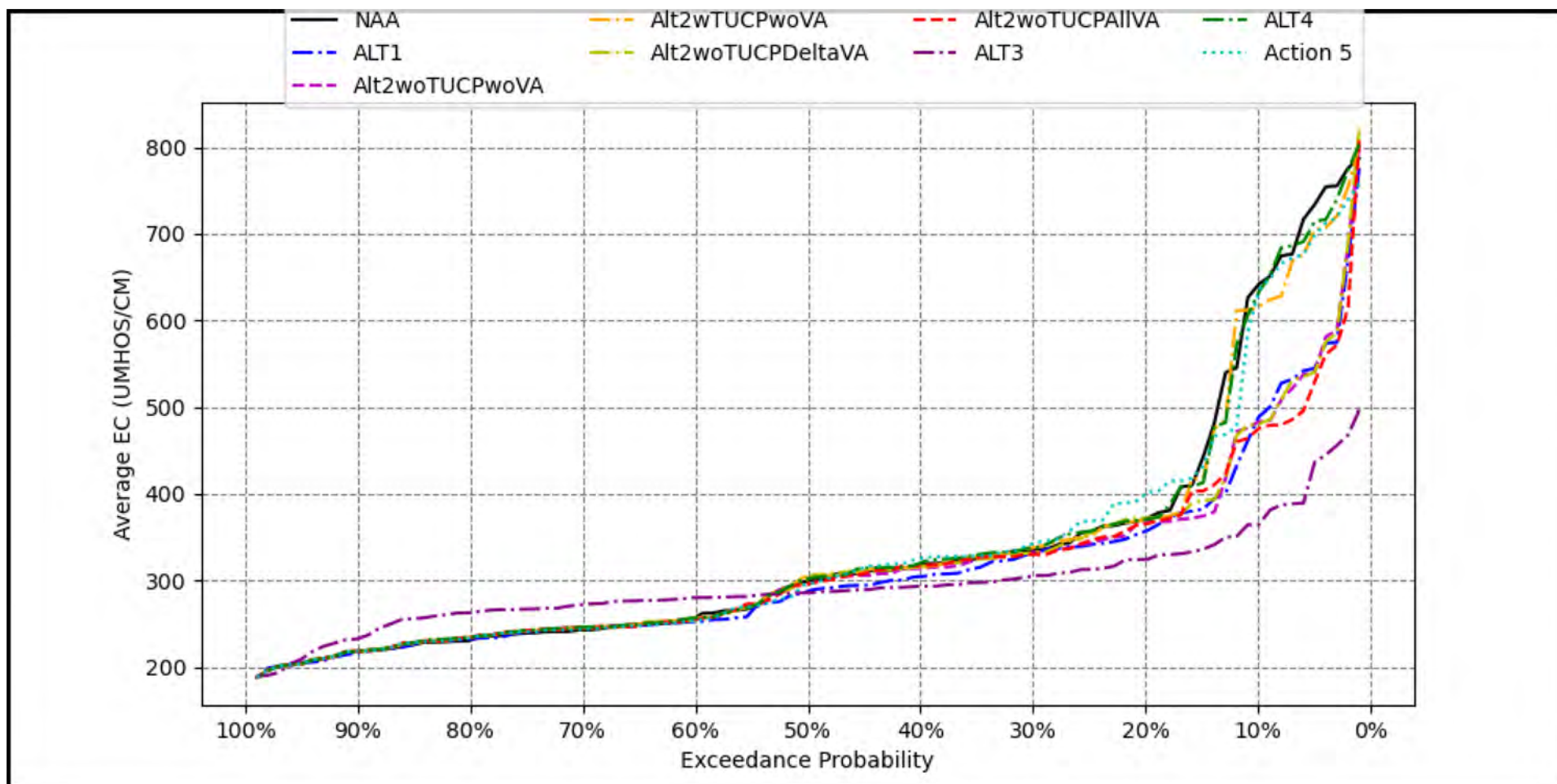
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-11-8 Old River at Rock Slough Salinity, May EC



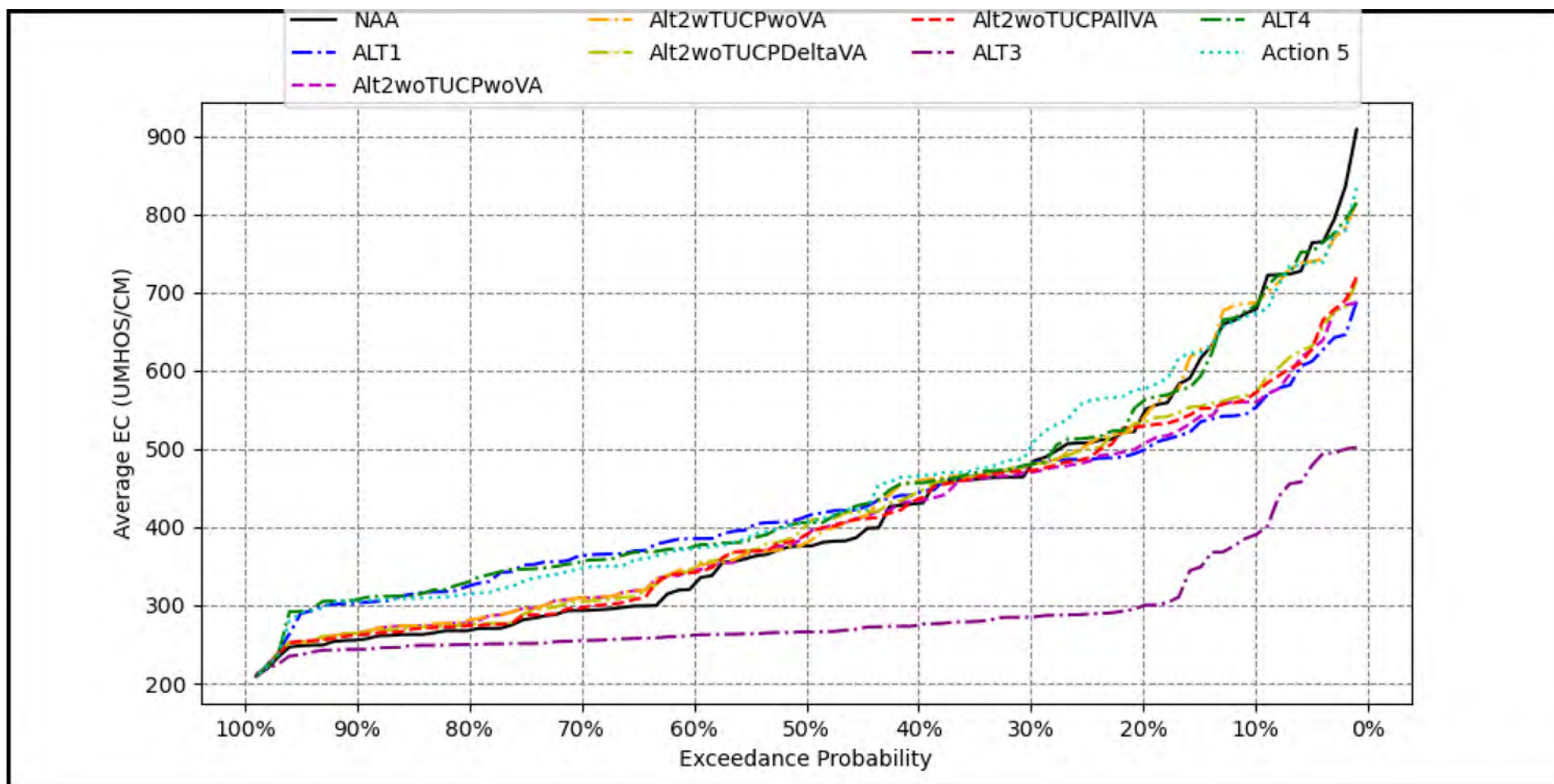
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-11-9 Old River at Rock Slough Salinity, June EC



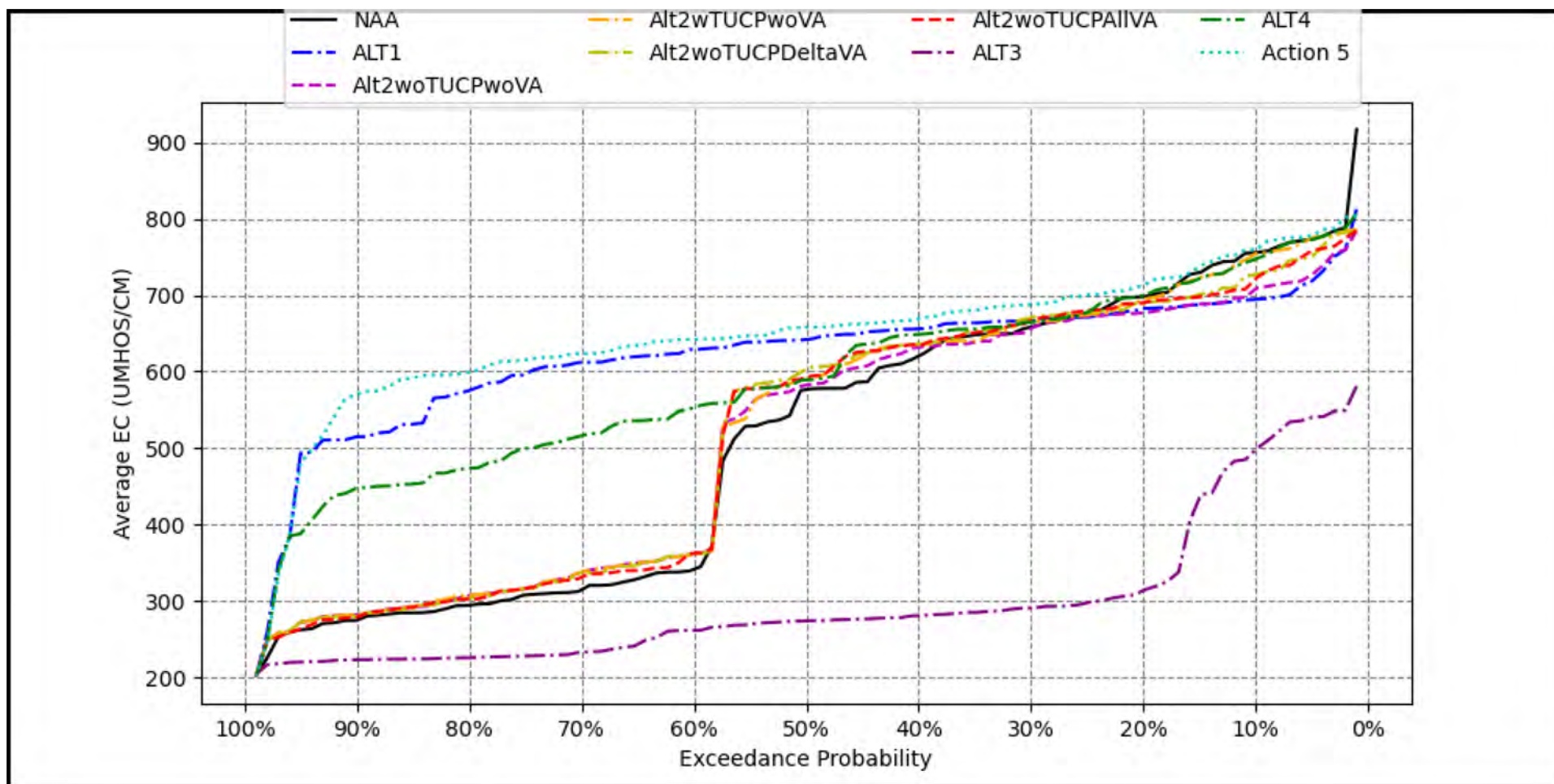
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-11-10 Old River at Rock Slough Salinity, July EC



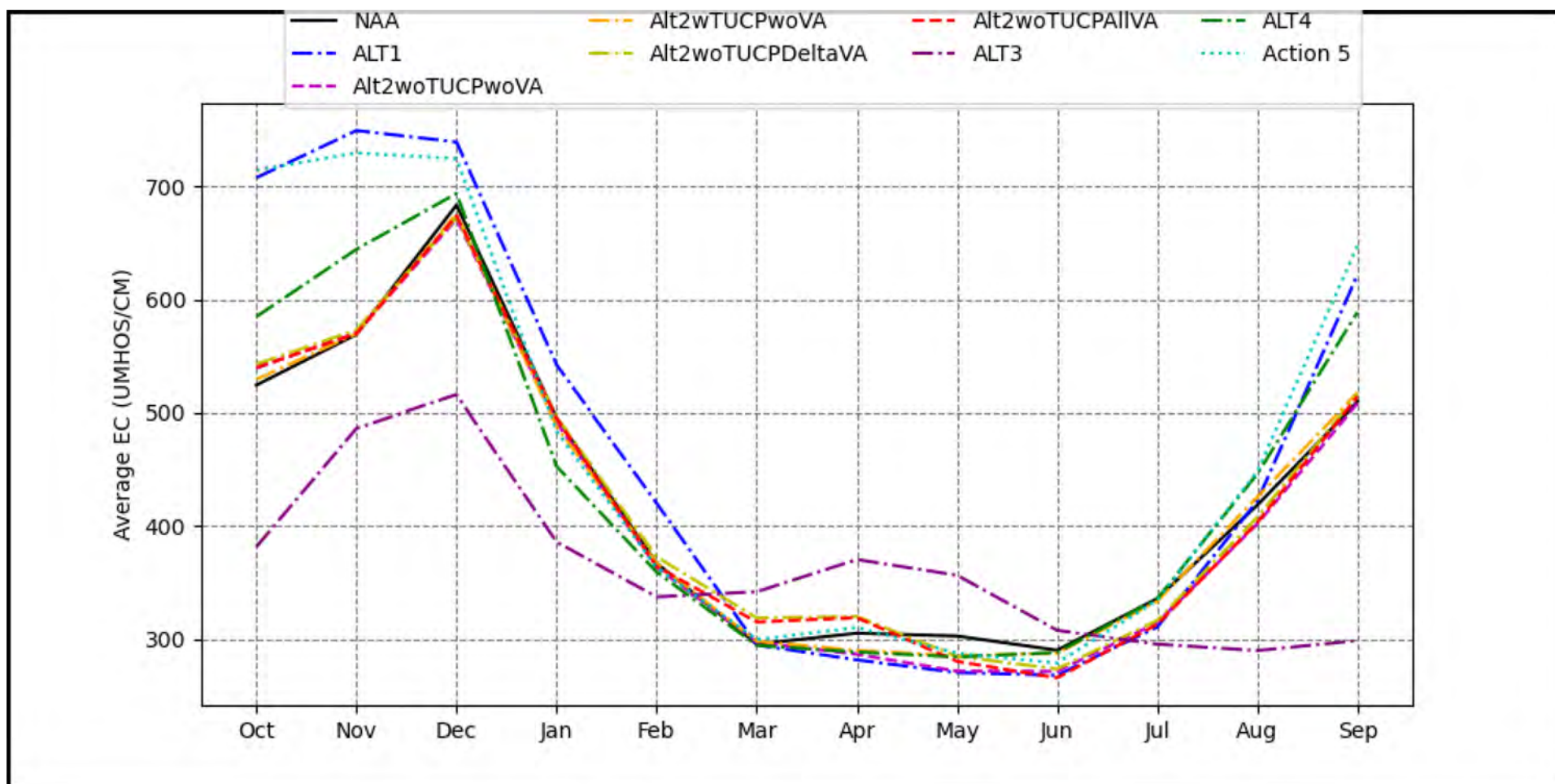
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-11-11 Old River at Rock Slough Salinity, August EC



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

Figure F.2.5-11-12 Old River at Rock Slough Salinity, September EC

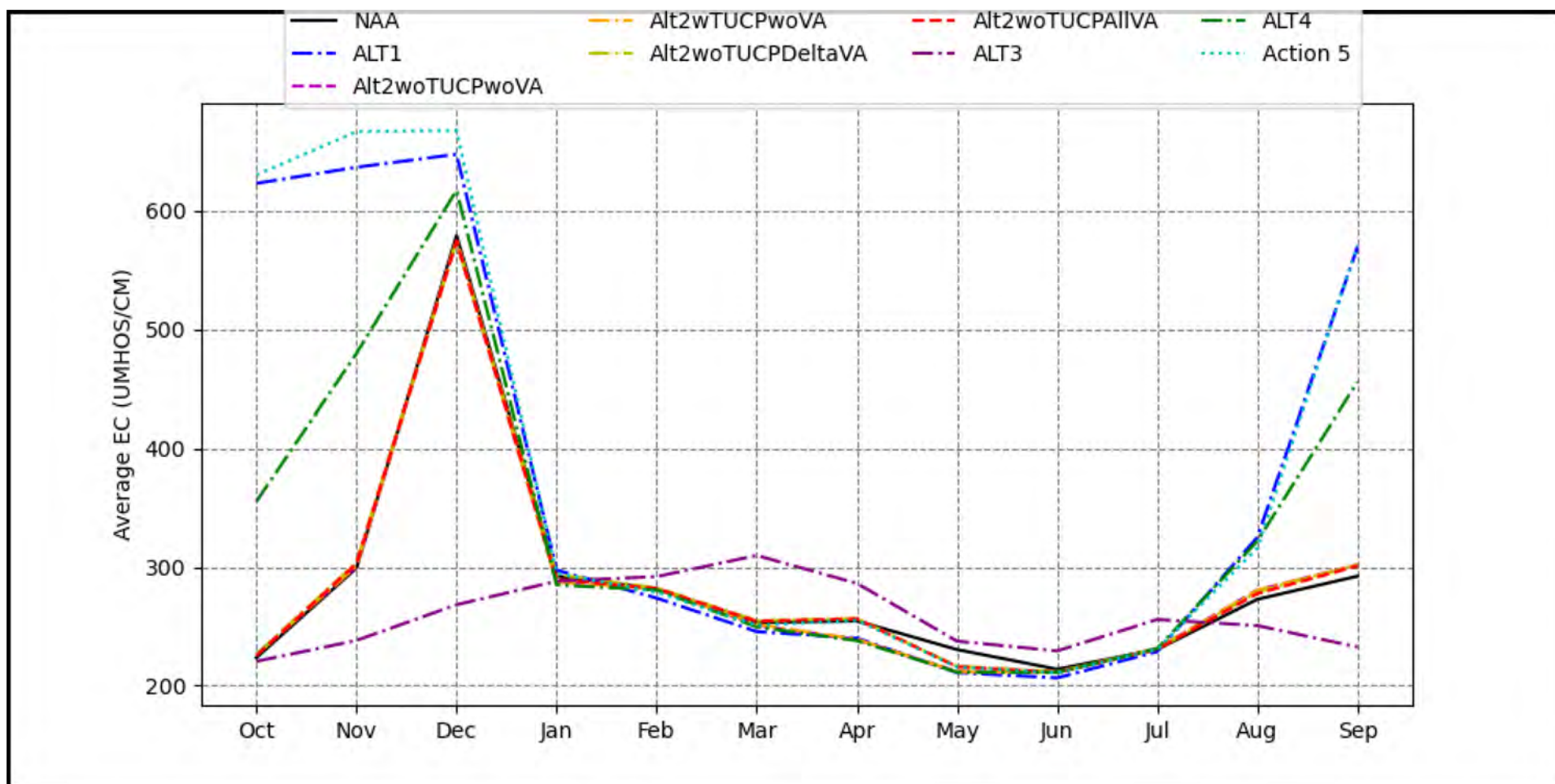


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-11-13 Old River at Rock Slough Salinity, Long Term Average EC (UMHOS/CM)

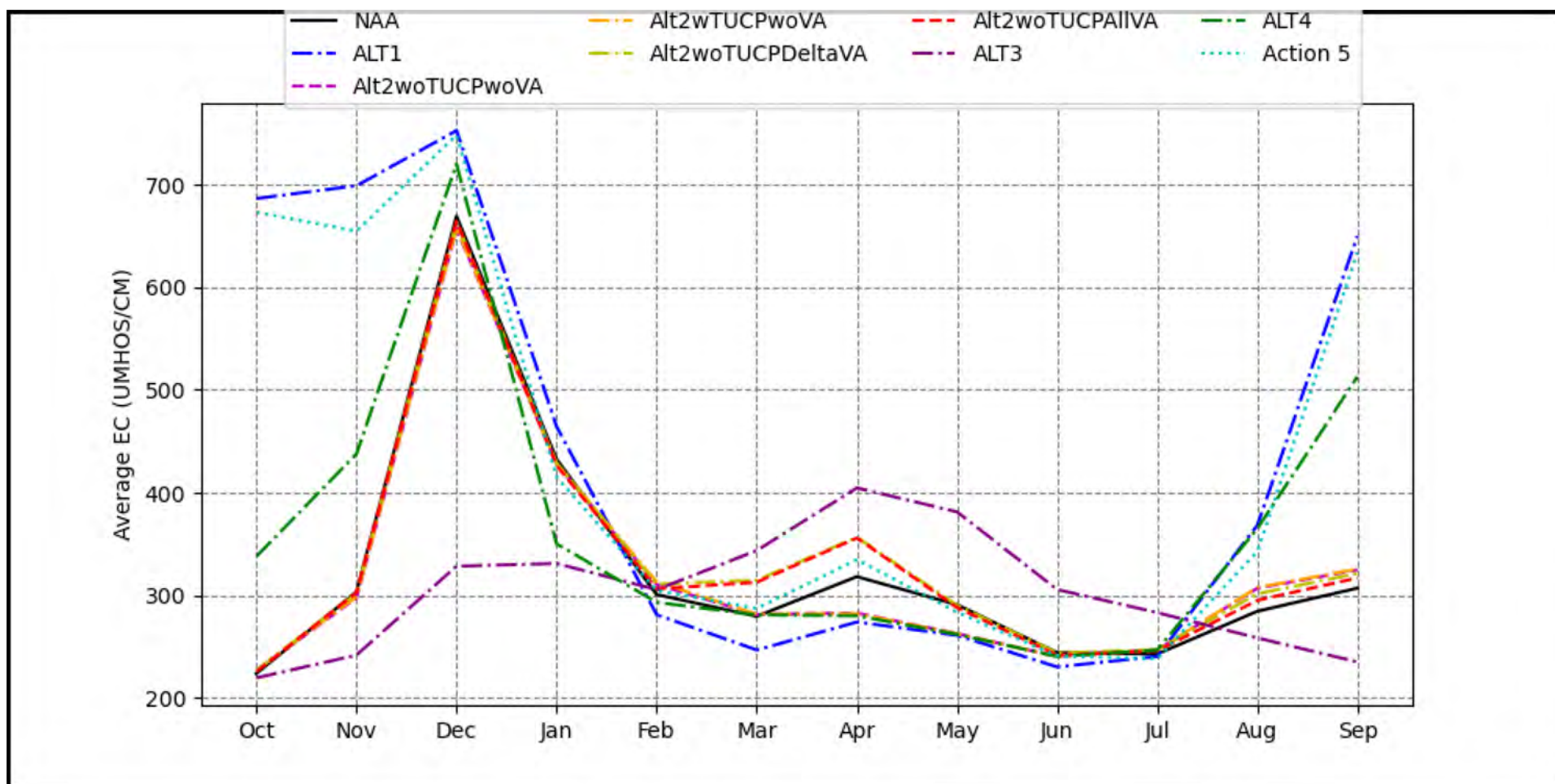


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-11-14 Old River at Rock Slough Salinity, Wet Year Average EC (UMHOS/CM)

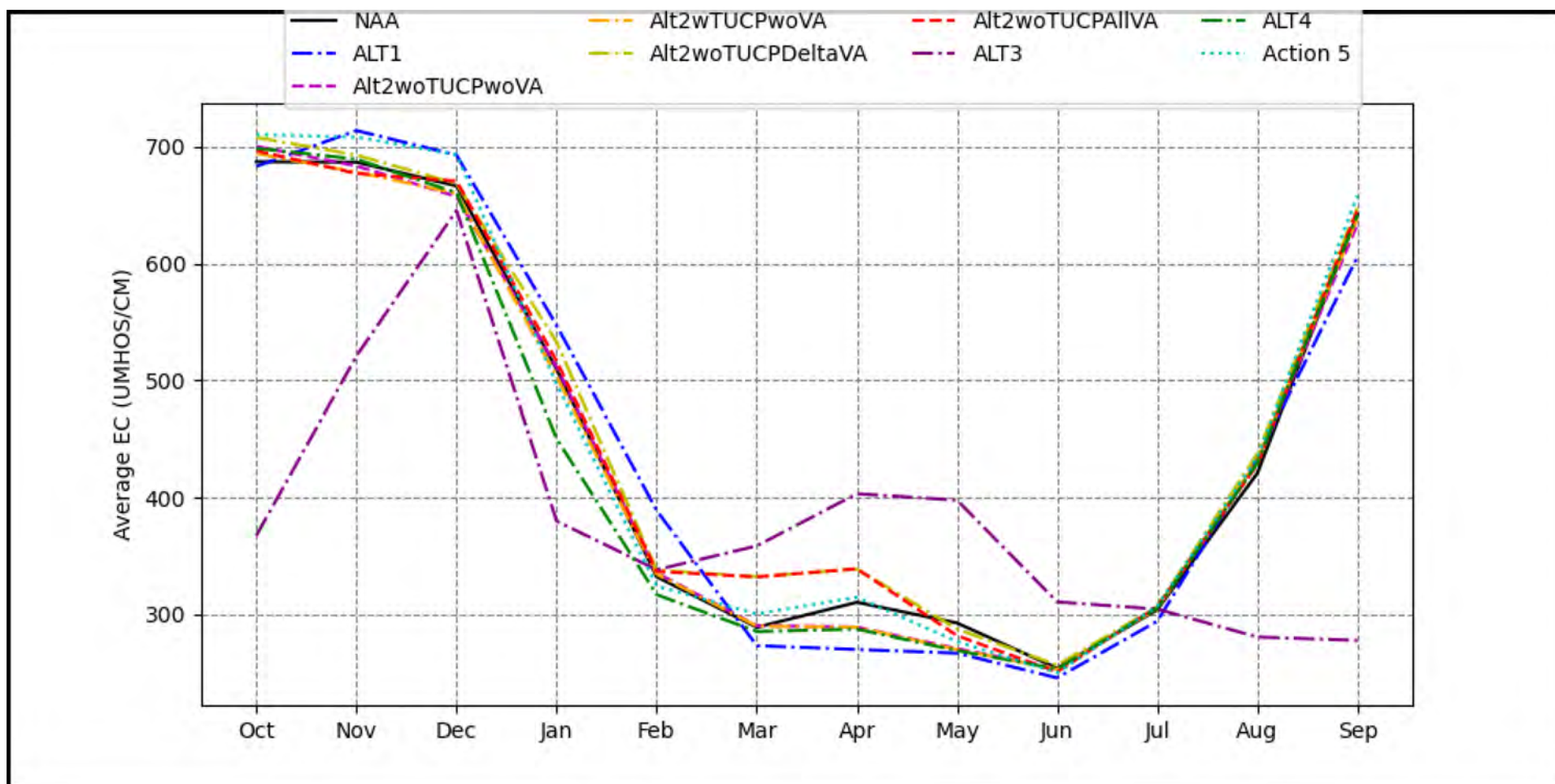


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-11-15 Old River at Rock Slough Salinity, Above Normal Year Average EC (UMHOS/CM)

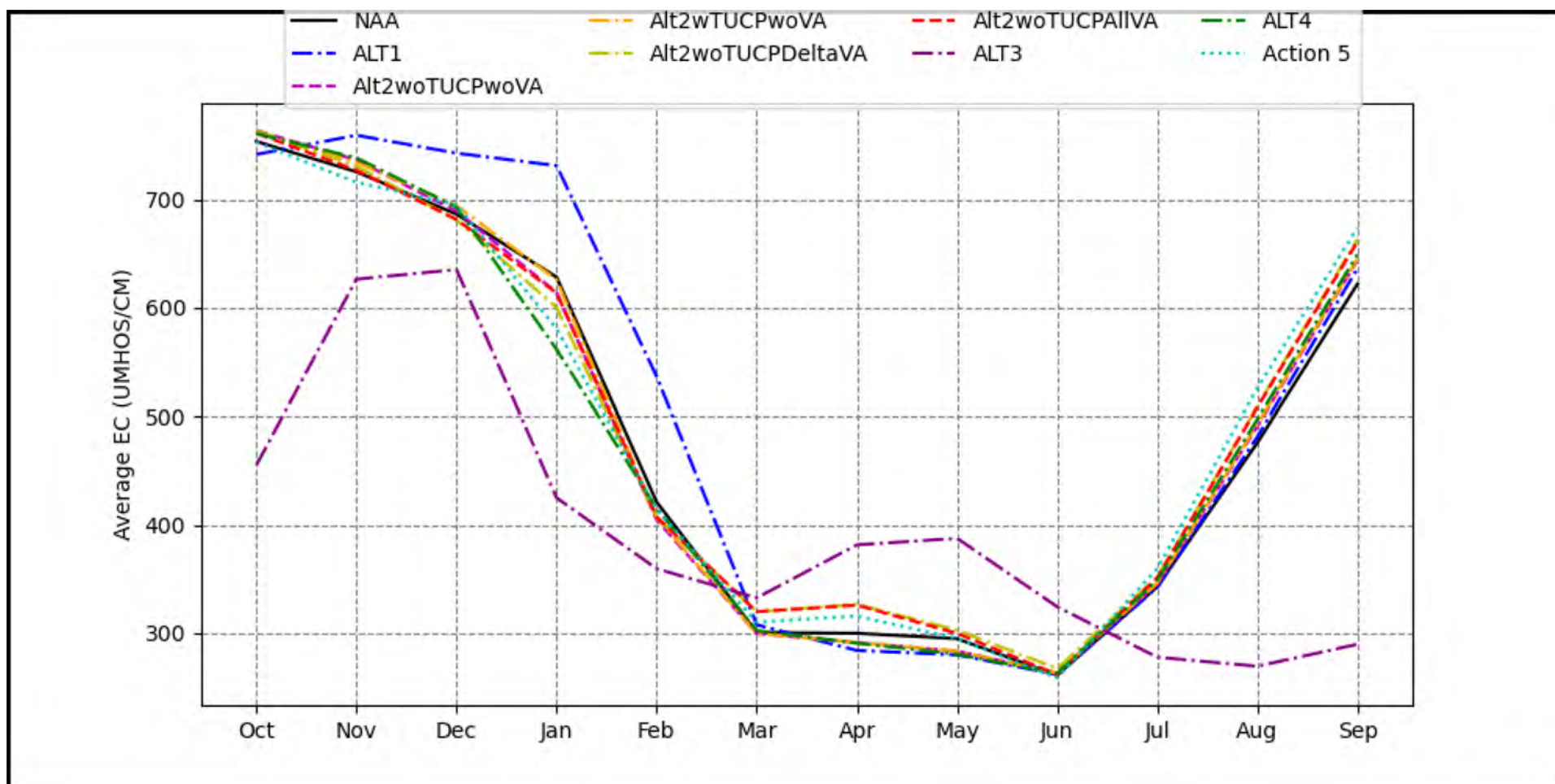


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-11-16 Old River at Rock Slough Salinity, Below Normal Year Average EC (UMHOS/CM)

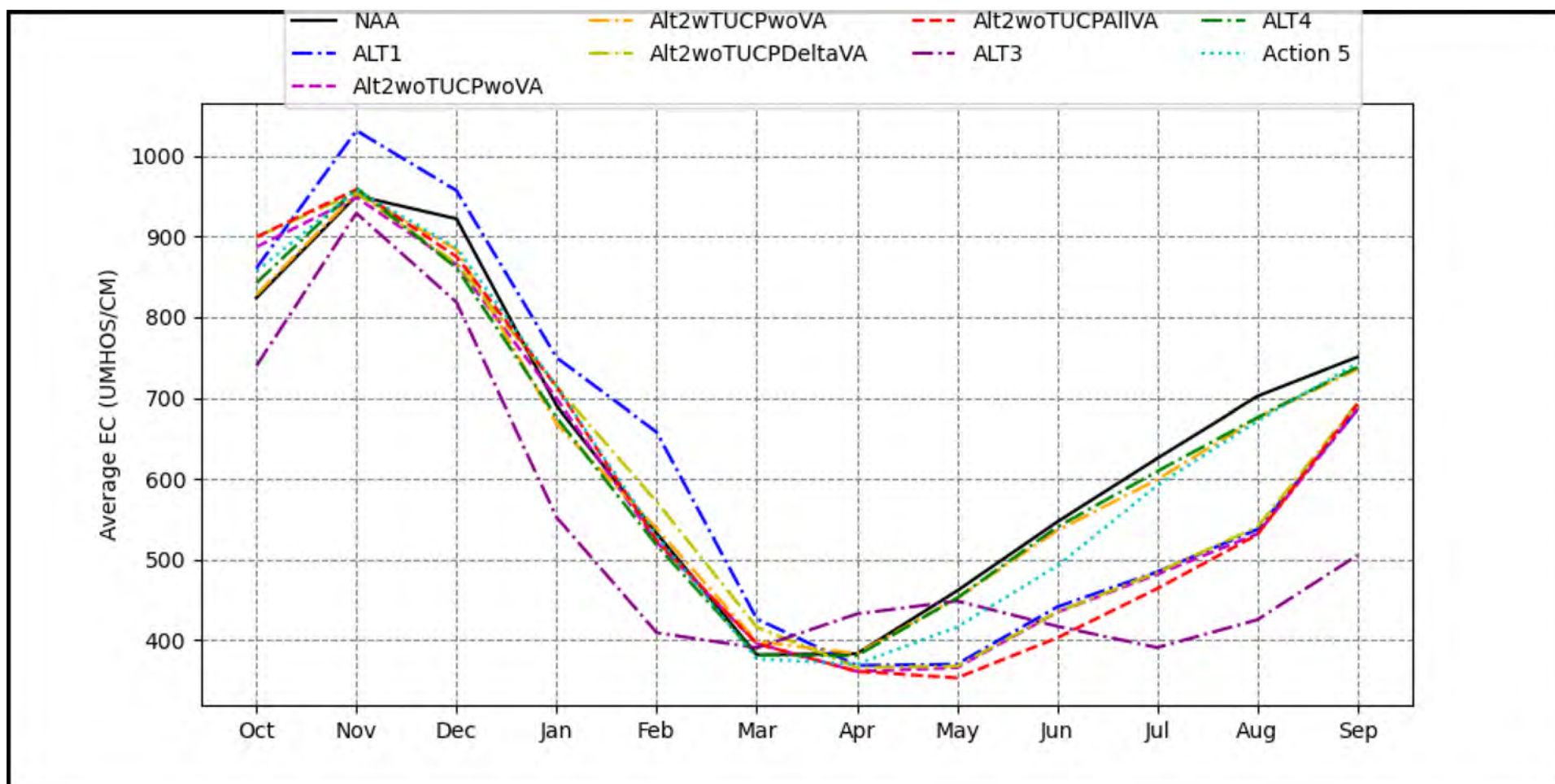


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-11-17 Old River at Rock Slough Salinity, Dry Year Average EC (UMHOS/CM)



*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-11-18 Old River at Rock Slough Salinity, Critical Year Average EC (UMHOS/CM)

F.2.5-12 San Joaquin River at Antioch Salinity

Table F.2.5-12-1 a. San Joaquin River at Antioch Salinity, NAA, Monthly EC (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 Years (27.7%)	951	2,140	2,146	263	213	212	211	267	562	941	1,817	1,264
Above Normal Years (13.9%)	940	2,528	2,490	770	274	223	238	371	804	1,102	1,976	1,264
Below Normal Years (17.8%)	5,102	5,002	2,219	1,121	460	286	370	558	1,304	2,024	3,420	5,105
Dry Years (23.8%)	5,747	5,077	2,741	2,170	788	459	504	807	1,466	2,720	4,119	5,901
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-12-1 b. San Joaquin River at Antioch Salinity, ALT1, Monthly EC (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 Years (27.7%)	3,952	3,848	2,530	336	222	211	215	296	485	985	2,577	3,800
Above Normal Years (13.9%)	4,454	4,729	2,963	926	306	226	242	433	682	1,164	2,767	4,176
Below Normal Years (17.8%)	4,773	4,952	2,698	1,645	649	332	406	686	1,071	1,892	3,219	4,542
Dry Years (23.8%)	5,367	4,918	3,416	2,981	1,098	526	558	895	1,511	2,678	4,113	5,535
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-12-1 c. San Joaquin River at Antioch Salinity, ALT1 Minus NAA, Monthly EC (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 Years (27.7%)	3,000	1,708	384	73	9	0	5	30	-77	44	760	2,535
Above Normal Years (13.9%)	3,514	2,202	472	156	32	4	3	62	-122	63	791	2,912
Below Normal Years (17.8%)	-329	-50	479	524	190	46	36	128	-233	-131	-201	-563
Dry Years (23.8%)	-380	-159	676	811	310	67	53	87	45	-42	-5	-366
Critical Years (15.8%)	-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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-12-2 a. San Joaquin River at Antioch Salinity, NAA, Monthly EC (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 Years (27.7%)	951	2,140	2,146	263	213	212	211	267	562	941	1,817	1,264
Above Normal Years (13.9%)	940	2,528	2,490	770	274	223	238	371	804	1,102	1,976	1,264
Below Normal Years (17.8%)	5,102	5,002	2,219	1,121	460	286	370	558	1,304	2,024	3,420	5,105
Dry Years (23.8%)	5,747	5,077	2,741	2,170	788	459	504	807	1,466	2,720	4,119	5,901
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-12-2 b. San Joaquin River at Antioch Salinity, Alt2woTUCPwoVA, Monthly EC (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 Years (27.7%)	959	2,135	2,139	256	213	211	212	295	563	972	1,921	1,312
Above Normal Years (13.9%)	921	2,431	2,503	764	275	223	238	429	789	1,146	2,051	1,330
Below Normal Years (17.8%)	5,182	4,901	2,186	1,143	453	285	392	686	1,315	2,014	3,306	5,163
Dry Years (23.8%)	5,790	5,113	2,696	1,958	696	449	526	885	1,509	2,748	4,200	5,989
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-12-2 c. San Joaquin River at Antioch Salinity, Alt2woTUCPwoVA Minus NAA, Monthly EC (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 Years (27.7%)	8	-4	-8	-7	0	0	2	29	0	31	105	47
Above Normal Years (13.9%)	-19	-97	13	-6	1	0	0	59	-15	45	75	66
Below Normal Years (17.8%)	80	-101	-33	22	-7	-2	22	128	11	-10	-115	58
Dry Years (23.8%)	43	36	-44	-212	-91	-10	22	78	42	28	81	88
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-12-3 a. San Joaquin River at Antioch Salinity, NAA, Monthly EC (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
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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 Years (27.7%)	951	2,140	2,146	263	213	212	211	267	562	941	1,817	1,264
Above Normal Years (13.9%)	940	2,528	2,490	770	274	223	238	371	804	1,102	1,976	1,264
Below Normal Years (17.8%)	5,102	5,002	2,219	1,121	460	286	370	558	1,304	2,024	3,420	5,105
Dry Years (23.8%)	5,747	5,077	2,741	2,170	788	459	504	807	1,466	2,720	4,119	5,901
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-12-3 b. San Joaquin River at Antioch Salinity, Alt2wTUCPwoVA, Monthly EC (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 Years (27.7%)	960	2,136	2,137	255	213	211	212	295	563	972	1,921	1,311
Above Normal Years (13.9%)	929	2,437	2,508	763	275	223	238	429	788	1,147	2,053	1,333
Below Normal Years (17.8%)	5,163	4,881	2,213	1,141	451	283	392	687	1,317	1,984	3,271	5,121
Dry Years (23.8%)	5,778	5,107	2,751	1,998	699	449	526	885	1,508	2,751	4,203	5,990
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-12-3 c. San Joaquin River at Antioch Salinity, Alt2wTUCPwoVA Minus NAA, Monthly EC (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 Years (27.7%)	9	-4	-10	-8	0	0	2	29	0	31	104	47
Above Normal Years (13.9%)	-11	-91	17	-7	1	0	-1	58	-16	45	77	69
Below Normal Years (17.8%)	61	-121	-6	20	-9	-3	22	128	13	-40	-150	17
Dry Years (23.8%)	31	29	11	-172	-89	-10	22	77	42	31	84	88
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-12-4 a. San Joaquin River at Antioch Salinity, NAA, Monthly EC (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 Years (27.7%)	951	2,140	2,146	263	213	212	211	267	562	941	1,817	1,264
Above Normal Years (13.9%)	940	2,528	2,490	770	274	223	238	371	804	1,102	1,976	1,264
Below Normal Years (17.8%)	5,102	5,002	2,219	1,121	460	286	370	558	1,304	2,024	3,420	5,105
Dry Years (23.8%)	5,747	5,077	2,741	2,170	788	459	504	807	1,466	2,720	4,119	5,901
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-12-4 b. San Joaquin River at Antioch Salinity, Alt2woTUCPDeltaVA, Monthly EC (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 Years (27.7%)	963	2,137	2,140	265	213	212	214	296	571	958	1,913	1,316
Above Normal Years (13.9%)	924	2,438	2,470	767	275	228	240	396	805	1,124	2,017	1,333
Below Normal Years (17.8%)	5,212	4,910	2,194	1,198	453	271	352	680	1,338	2,022	3,304	5,174
Dry Years (23.8%)	5,782	5,064	2,662	2,010	729	394	468	852	1,515	2,785	4,266	5,994
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-12-4 c. San Joaquin River at Antioch Salinity, Alt2woTUCPDeltaVA Minus NAA, Monthly EC (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 Years (27.7%)	11	-3	-6	1	0	0	3	29	8	17	96	52
Above Normal Years (13.9%)	-16	-90	-20	-2	1	5	1	26	1	22	41	70
Below Normal Years (17.8%)	110	-92	-25	78	-7	-16	-19	122	34	-2	-116	69
Dry Years (23.8%)	34	-13	-79	-161	-59	-65	-37	45	49	65	147	92
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-12-5 a. San Joaquin River at Antioch Salinity, NAA, Monthly EC (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 Years (27.7%)	951	2,140	2,146	263	213	212	211	267	562	941	1,817	1,264
Above Normal Years (13.9%)	940	2,528	2,490	770	274	223	238	371	804	1,102	1,976	1,264
Below Normal Years (17.8%)	5,102	5,002	2,219	1,121	460	286	370	558	1,304	2,024	3,420	5,105
Dry Years (23.8%)	5,747	5,077	2,741	2,170	788	459	504	807	1,466	2,720	4,119	5,901
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-12-5 b. San Joaquin River at Antioch Salinity, Alt2woTUCPAIIVA, Monthly EC (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 Years (27.7%)	961	2,138	2,140	259	213	212	213	289	570	954	1,900	1,310
Above Normal Years (13.9%)	926	2,443	2,449	760	275	228	237	336	780	1,107	1,965	1,320
Below Normal Years (17.8%)	5,038	4,841	2,201	1,161	452	270	298	527	1,298	2,010	3,259	5,122
Dry Years (23.8%)	5,779	5,009	2,703	2,039	723	388	405	713	1,438	2,792	4,267	5,991
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-12-5 c. San Joaquin River at Antioch Salinity, Alt2woTUCPAIIVA Minus NAA, Monthly EC (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 Years (27.7%)	9	-1	-7	-4	0	0	2	23	8	13	83	45
Above Normal Years (13.9%)	-14	-85	-42	-9	1	5	-2	-34	-23	5	-11	56
Below Normal Years (17.8%)	-64	-161	-19	41	-8	-16	-72	-31	-6	-13	-161	17
Dry Years (23.8%)	31	-68	-38	-132	-65	-71	-100	-94	-29	72	148	90
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-12-6 a. San Joaquin River at Antioch Salinity, NAA, Monthly EC (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 Years (27.7%)	951	2,140	2,146	263	213	212	211	267	562	941	1,817	1,264
Above Normal Years (13.9%)	940	2,528	2,490	770	274	223	238	371	804	1,102	1,976	1,264
Below Normal Years (17.8%)	5,102	5,002	2,219	1,121	460	286	370	558	1,304	2,024	3,420	5,105
Dry Years (23.8%)	5,747	5,077	2,741	2,170	788	459	504	807	1,466	2,720	4,119	5,901
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-12-6 b. San Joaquin River at Antioch Salinity, ALT3, Monthly EC (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 Years (27.7%)	832	942	770	230	218	218	217	218	579	813	1,117	927
Above Normal Years (13.9%)	856	881	703	295	228	227	245	276	829	1,437	1,476	926
Below Normal Years (17.8%)	3,293	4,349	2,008	600	290	248	282	444	1,221	2,022	1,953	2,667
Dry Years (23.8%)	4,529	4,810	2,471	919	407	310	344	583	1,036	1,721	1,815	2,889
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-12-6 c. San Joaquin River at Antioch Salinity, ALT3 Minus NAA, Monthly EC (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 Years (27.7%)	-119	-1,197	-1,376	-34	5	7	6	-49	17	-127	-700	-337
Above Normal Years (13.9%)	-84	-1,647	-1,787	-474	-46	4	6	-95	25	335	-500	-338
Below Normal Years (17.8%)	-1,809	-653	-211	-521	-169	-38	-88	-114	-83	-2	-1,468	-2,438
Dry Years (23.8%)	-1,218	-267	-269	-1,252	-380	-149	-161	-225	-430	-999	-2,304	-3,012
Critical Years (15.8%)	-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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-12-7 a. San Joaquin River at Antioch Salinity, NAA, Monthly EC (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 Years (27.7%)	951	2,140	2,146	263	213	212	211	267	562	941	1,817	1,264
Above Normal Years (13.9%)	940	2,528	2,490	770	274	223	238	371	804	1,102	1,976	1,264
Below Normal Years (17.8%)	5,102	5,002	2,219	1,121	460	286	370	558	1,304	2,024	3,420	5,105
Dry Years (23.8%)	5,747	5,077	2,741	2,170	788	459	504	807	1,466	2,720	4,119	5,901
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-12-7 b. San Joaquin River at Antioch Salinity, ALT4, Monthly EC (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 Years (27.7%)	2,444	3,122	1,830	248	213	211	212	295	561	969	2,488	2,698
Above Normal Years (13.9%)	2,378	3,455	2,331	498	253	221	237	431	790	1,139	2,768	2,895
Below Normal Years (17.8%)	5,166	4,895	2,205	988	449	283	381	691	1,334	1,925	3,203	5,100
Dry Years (23.8%)	5,810	5,113	2,711	2,045	823	473	521	888	1,512	2,685	4,106	5,951
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-12-7 c. San Joaquin River at Antioch Salinity, ALT4 Minus NAA, Monthly EC (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 Years (27.7%)	1,493	982	-316	-15	-1	-1	1	29	-2	28	671	1,434
Above Normal Years (13.9%)	1,438	927	-159	-271	-21	-1	-1	60	-14	37	792	1,631
Below Normal Years (17.8%)	64	-107	-14	-133	-10	-4	11	133	30	-99	-218	-5
Dry Years (23.8%)	63	35	-29	-125	35	14	17	81	46	-35	-13	50
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-12-8 a. San Joaquin River at Antioch Salinity, NAA, Monthly EC (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 Years (27.7%)	951	2,140	2,146	263	213	212	211	267	562	941	1,817	1,264
Above Normal Years (13.9%)	940	2,528	2,490	770	274	223	238	371	804	1,102	1,976	1,264
Below Normal Years (17.8%)	5,102	5,002	2,219	1,121	460	286	370	558	1,304	2,024	3,420	5,105
Dry Years (23.8%)	5,747	5,077	2,741	2,170	788	459	504	807	1,466	2,720	4,119	5,901
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-12-8 b. San Joaquin River at Antioch Salinity, Action 5, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,800	6,408	4,850	3,775	1,416	810	1,105	2,308	4,181	4,624	5,157	6,365
20% Exceedance	6,195	6,068	4,400	2,827	866	459	644	967	1,744	3,046	4,584	6,103
30% Exceedance	6,004	5,780	4,085	1,355	609	292	388	850	1,568	2,764	4,215	5,842
40% Exceedance	5,828	5,569	3,634	979	351	261	277	663	1,353	2,304	3,763	5,602
50% Exceedance	5,668	5,420	2,473	686	256	248	260	440	1,155	1,901	3,058	5,204
60% Exceedance	5,233	5,160	1,603	403	236	231	237	336	1,039	1,301	2,844	4,901
70% Exceedance	4,952	4,731	1,137	239	222	220	224	268	838	1,191	2,739	4,529
80% Exceedance	4,536	4,075	781	219	212	210	215	212	541	1,048	2,588	4,097
90% Exceedance	3,883	2,013	426	202	201	201	203	187	309	840	2,401	3,758
Full Simulation Period Average^a	5,320	4,886	2,674	1,345	588	389	527	859	1,463	2,230	3,548	5,065
Wet Years (27.7%)	4,283	4,057	2,226	267	213	211	212	289	571	953	2,447	3,844
Above Normal Years (13.9%)	4,899	4,484	2,467	730	272	224	232	333	786	1,107	2,669	4,539
Below Normal Years (17.8%)	5,259	4,856	2,231	1,127	454	268	294	518	1,296	1,963	3,230	5,039
Dry Years (23.8%)	5,696	5,076	2,763	2,062	803	403	419	713	1,434	2,812	4,276	5,958
Critical Years (15.8%)	7,151	6,471	4,147	2,941	1,346	959	1,758	2,922	3,849	4,873	5,513	6,352

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-12-8 c. San Joaquin River at Antioch Salinity, Action 5 Minus NAA, Monthly EC (UMHOS/CM)

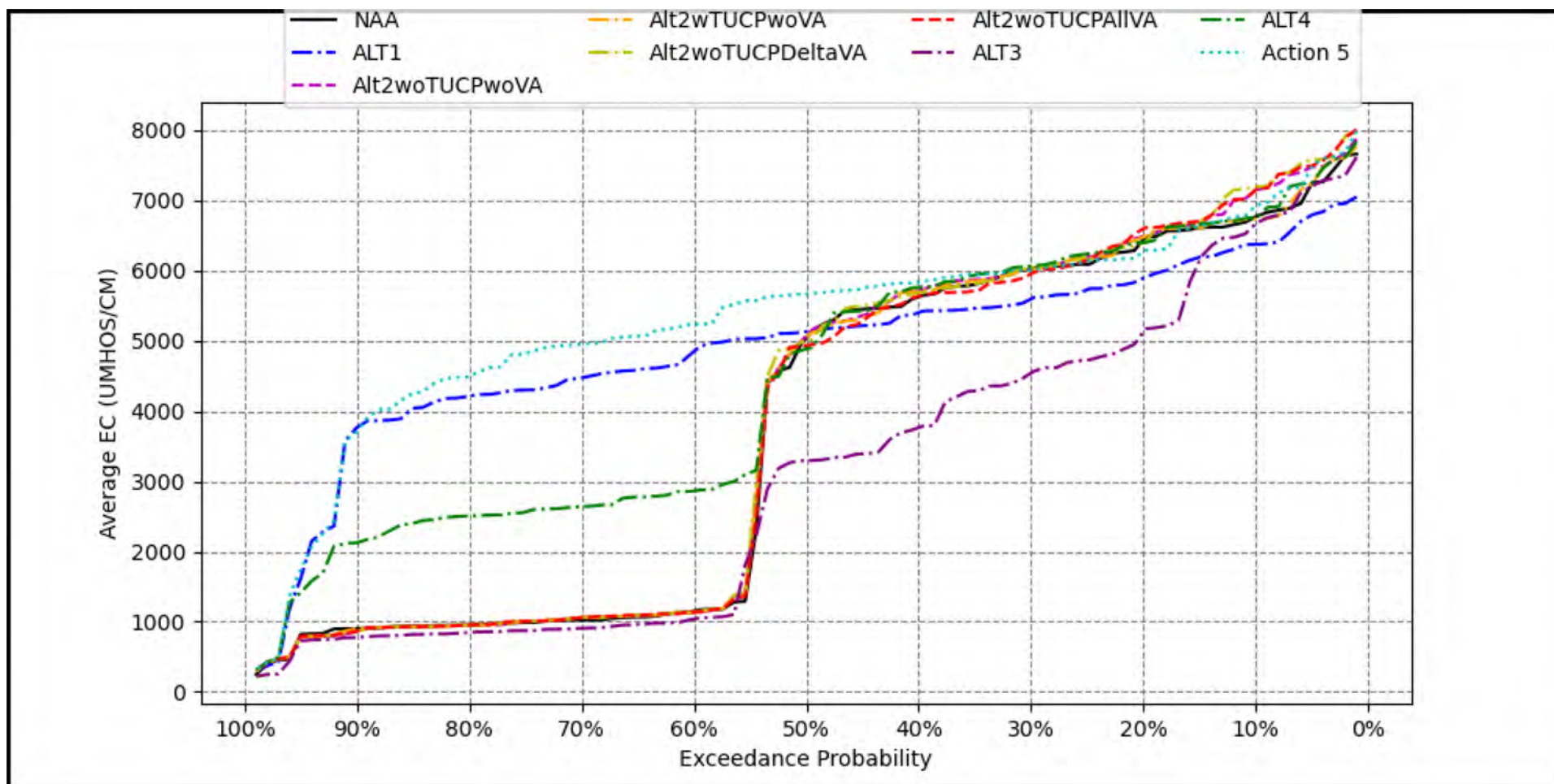
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	103	-242	-102	-148	-17	-148	-401	-472	-142	-384	-518	94
20% Exceedance	-126	-50	46	-181	19	-112	-236	-70	-97	35	171	15
30% Exceedance	-7	-103	-61	-202	-2	-11	-80	-64	28	52	113	-41
40% Exceedance	216	306	20	0	15	-7	-28	-62	-38	-86	-78	-4
50% Exceedance	630	2,170	-204	70	3	-2	-7	-17	19	6	-161	415
60% Exceedance	4,074	2,201	156	23	-4	-1	-5	-13	15	10	613	3,415
70% Exceedance	3,929	1,897	130	2	0	-2	-2	2	-10	35	708	3,175
80% Exceedance	3,579	1,820	42	-1	0	-2	0	-2	-16	-5	708	2,814
90% Exceedance	2,978	839	-44	-1	0	-2	0	0	-2	30	668	2,550
Full Simulation Period Average^a	1,574	790	36	-27	-16	-37	-80	-105	-57	-17	248	1,193
Wet Years (27.7%)	3,331	1,917	80	4	-1	-1	1	23	9	12	630	2,580
Above Normal Years (13.9%)	3,959	1,956	-23	-39	-3	1	-7	-38	-18	5	693	3,275
Below Normal Years (17.8%)	157	-146	12	6	-5	-18	-76	-40	-8	-61	-191	-66
Dry Years (23.8%)	-52	-1	22	-109	16	-56	-86	-95	-32	92	157	56
Critical Years (15.8%)	177	-214	14	11	-112	-124	-284	-476	-301	-200	-180	65

^a Based on the 100-year simulation period.

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

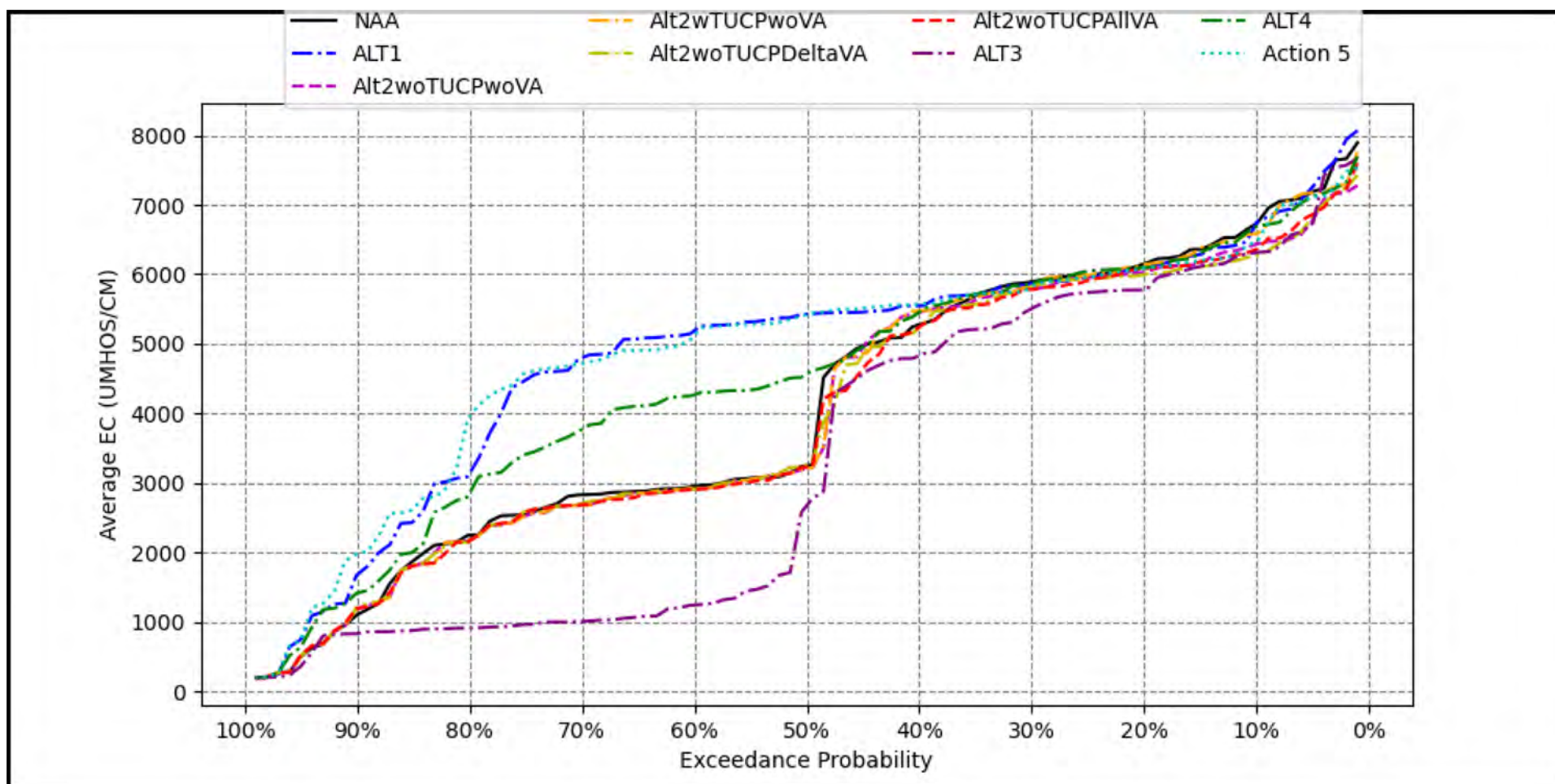
* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.



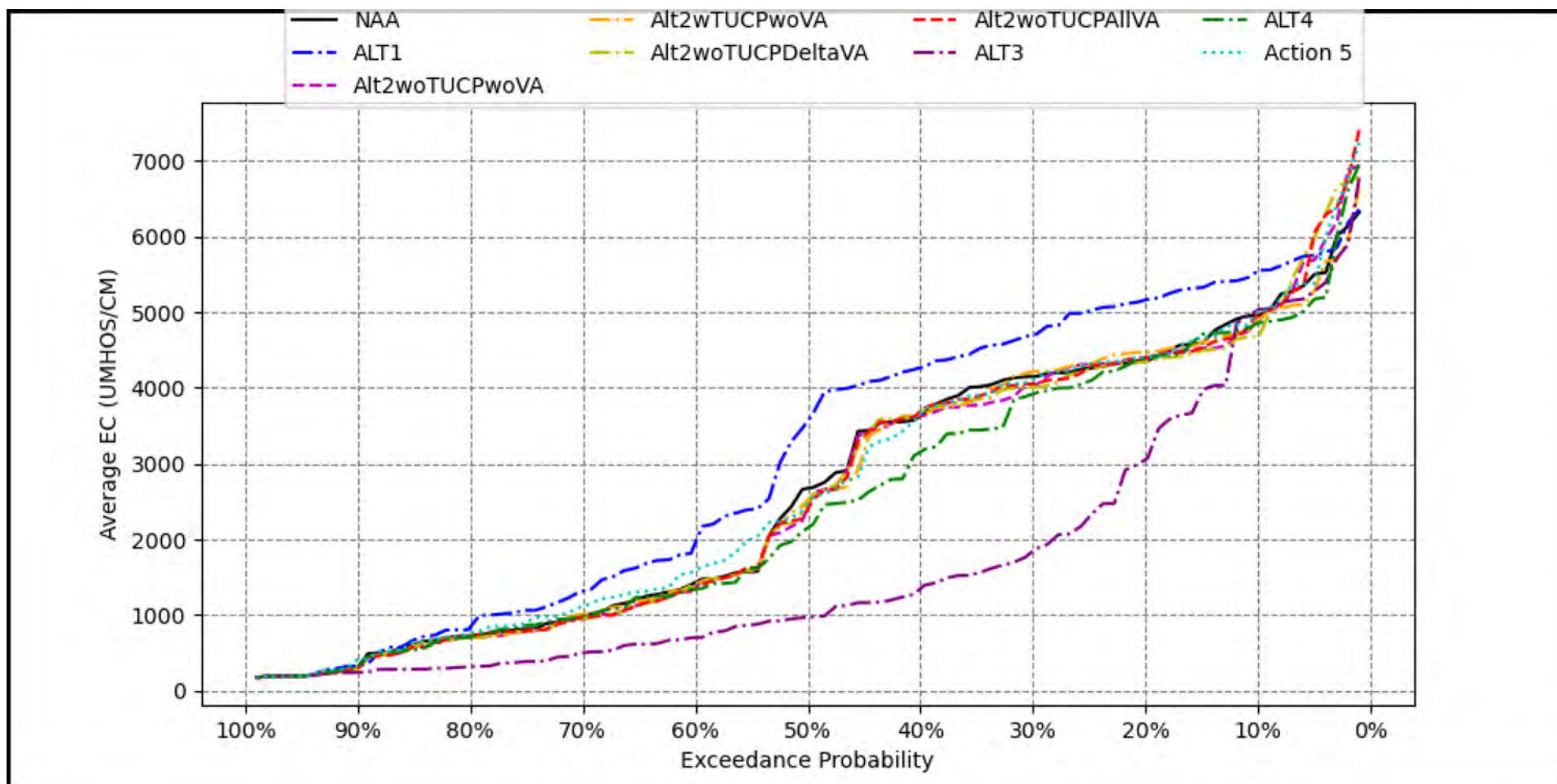
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-12-1 San Joaquin River at Antioch Salinity, October EC



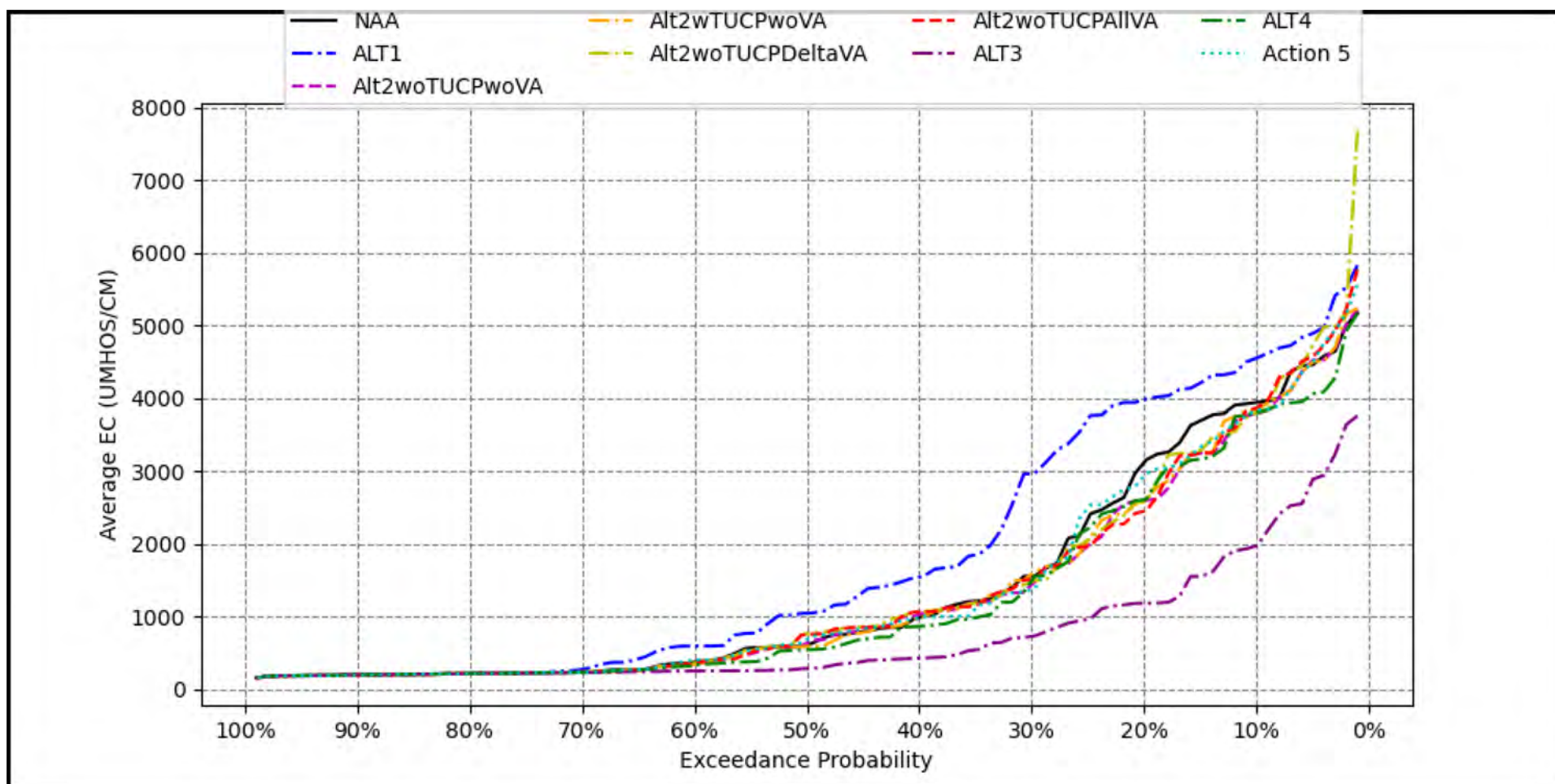
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-12-2 San Joaquin River at Antioch Salinity, November EC



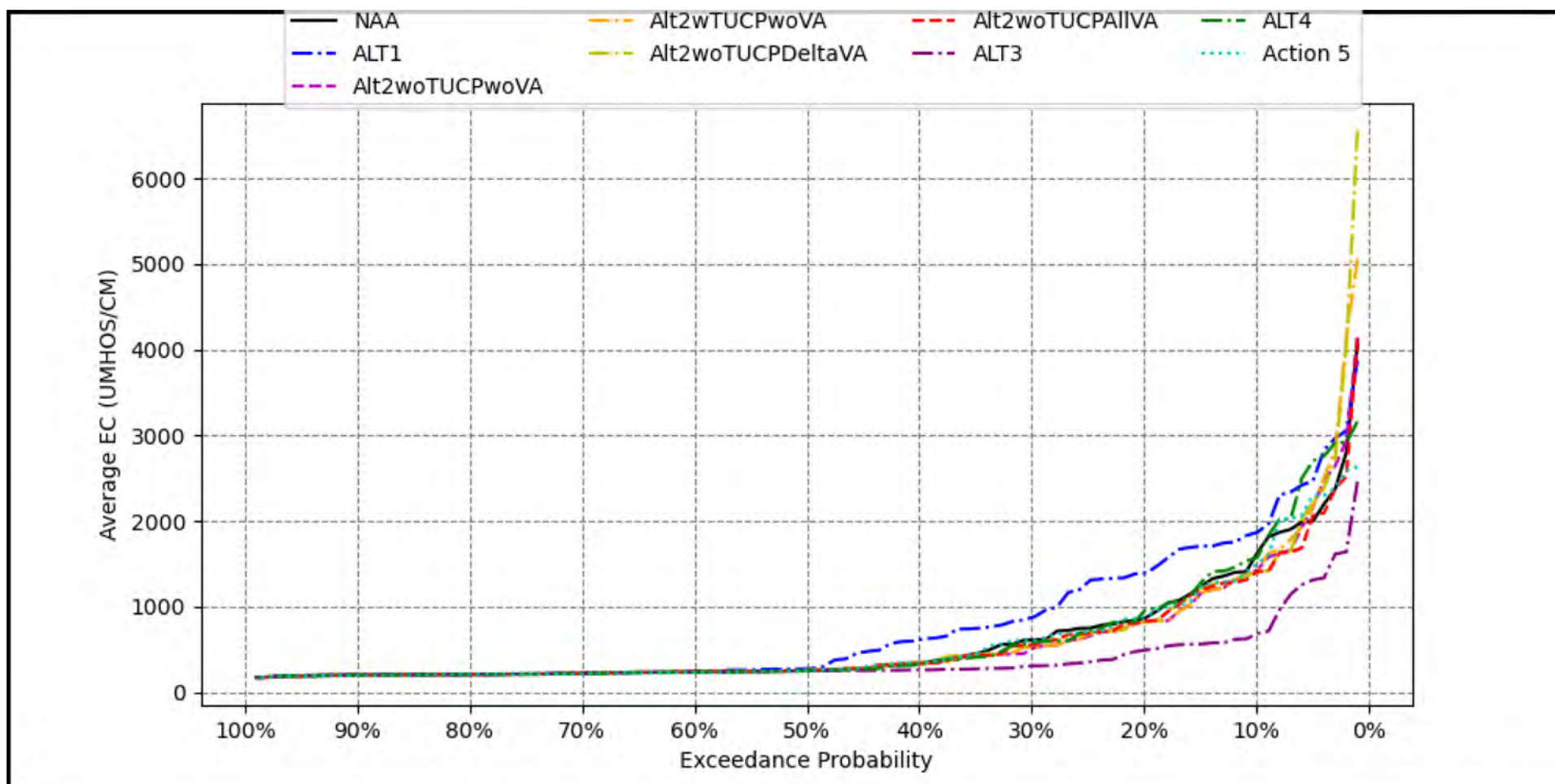
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-12-3 San Joaquin River at Antioch Salinity, December EC



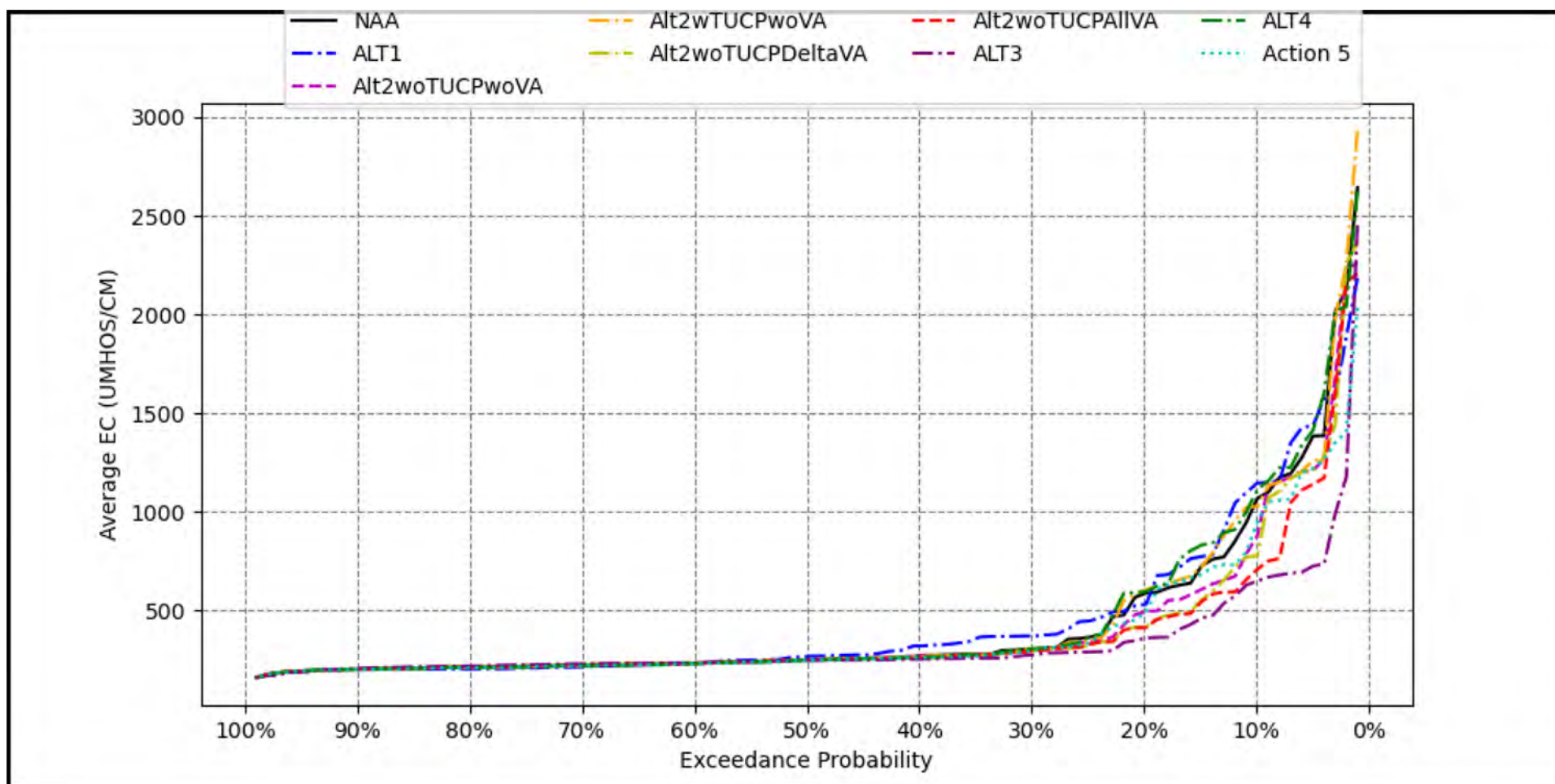
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-12-4 San Joaquin River at Antioch Salinity, January EC



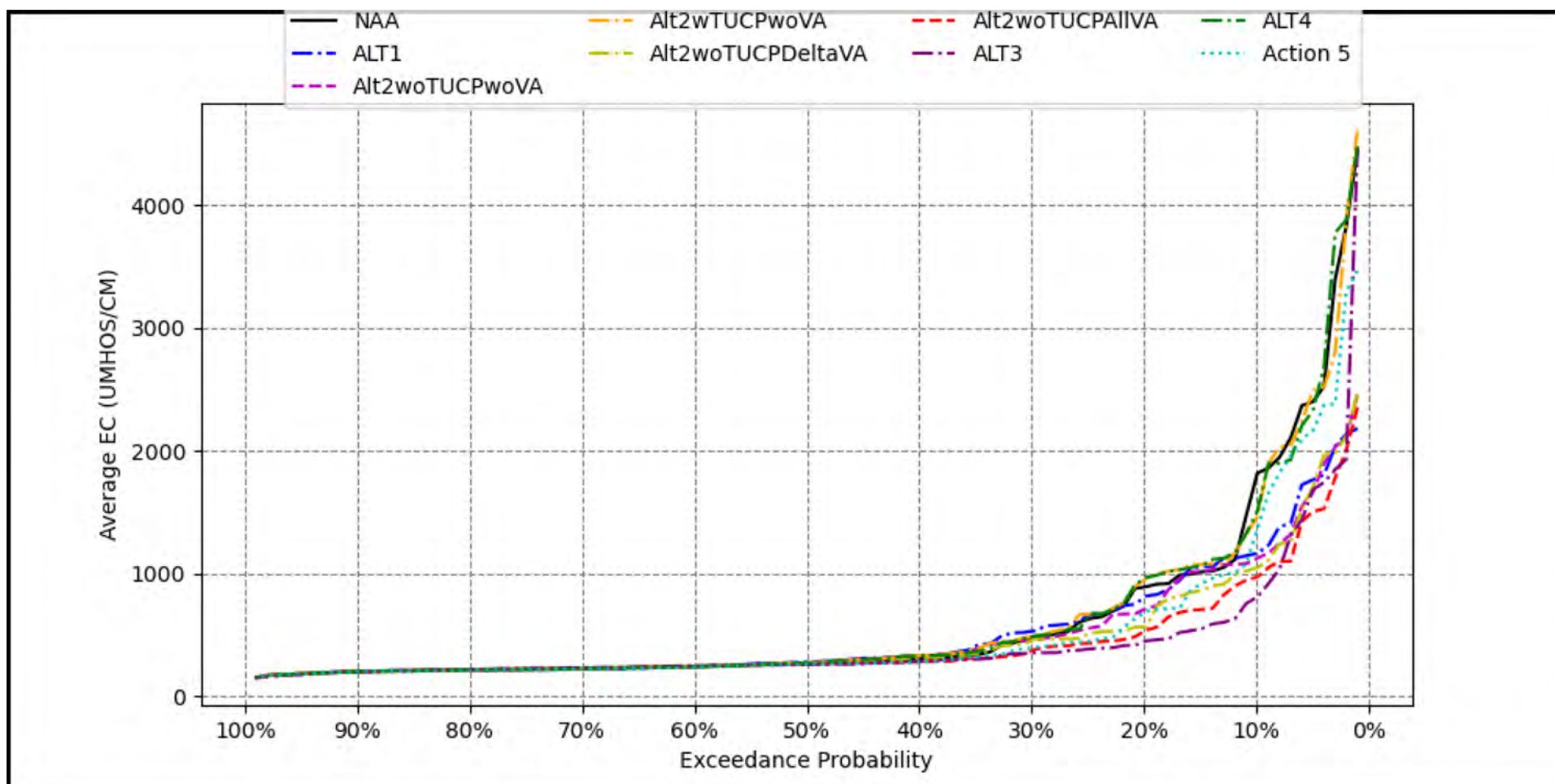
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-12-5 San Joaquin River at Antioch Salinity, February EC



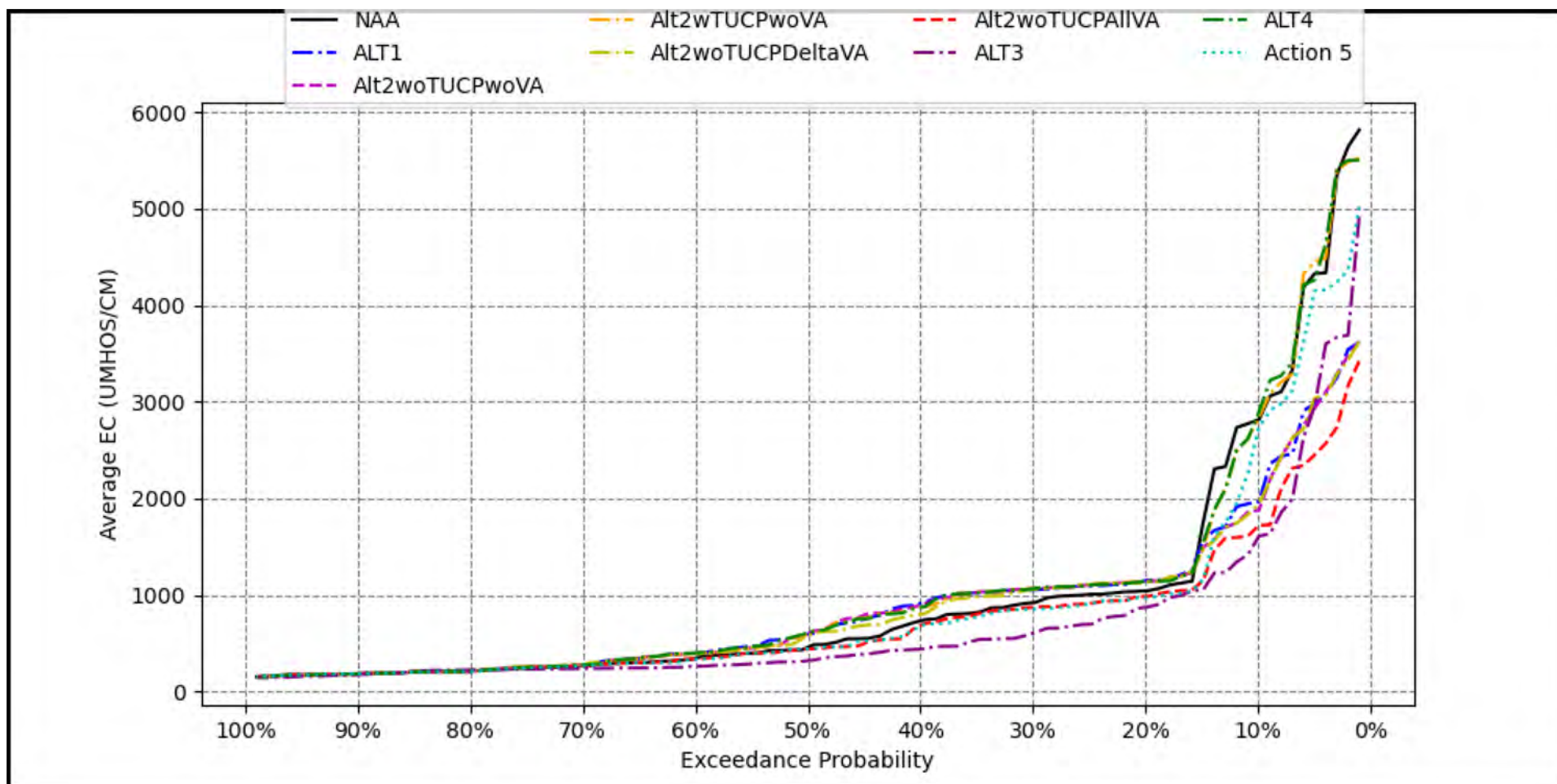
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-12-6 San Joaquin River at Antioch Salinity, March EC



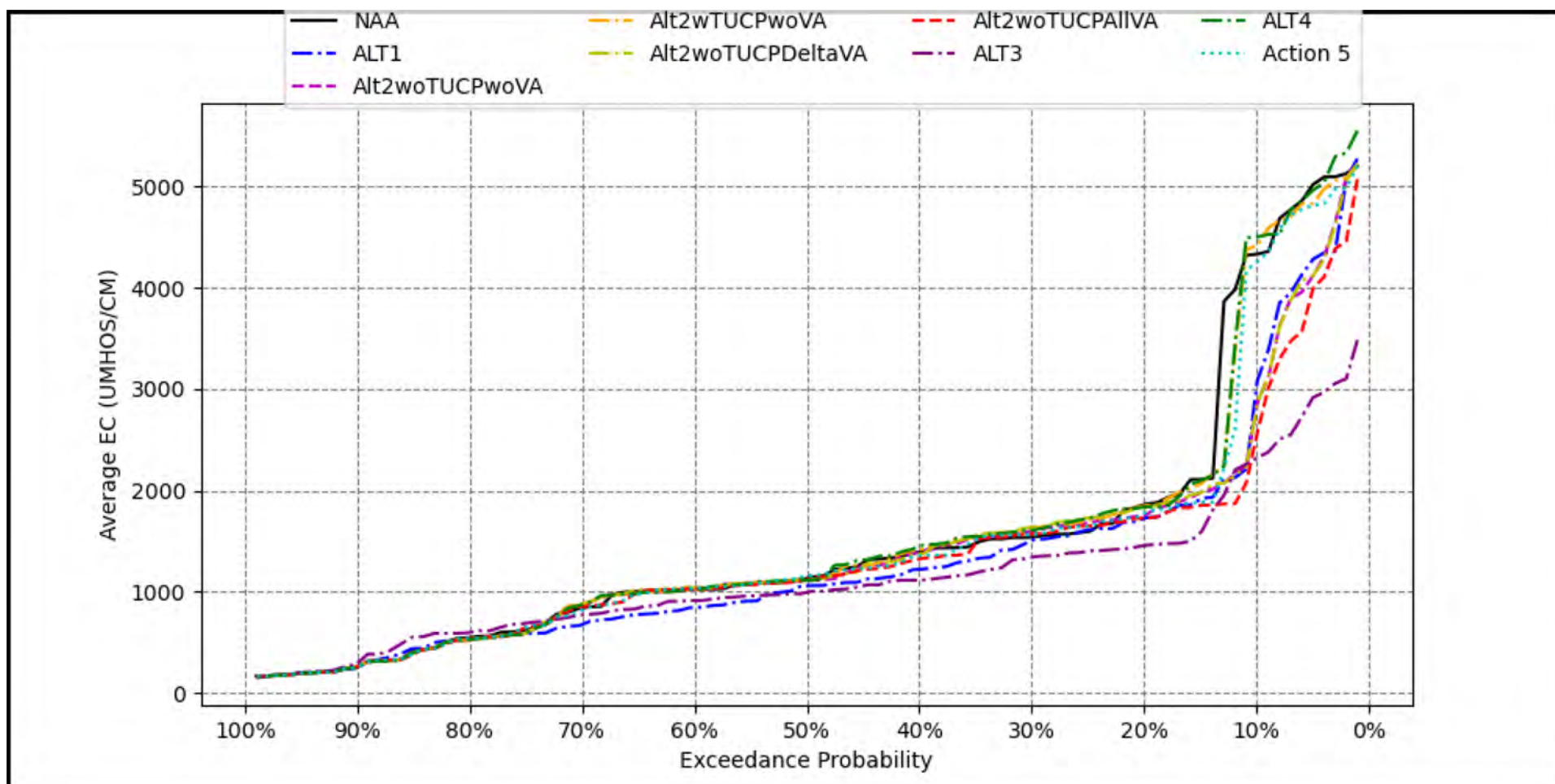
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-12-7 San Joaquin River at Antioch Salinity, April EC



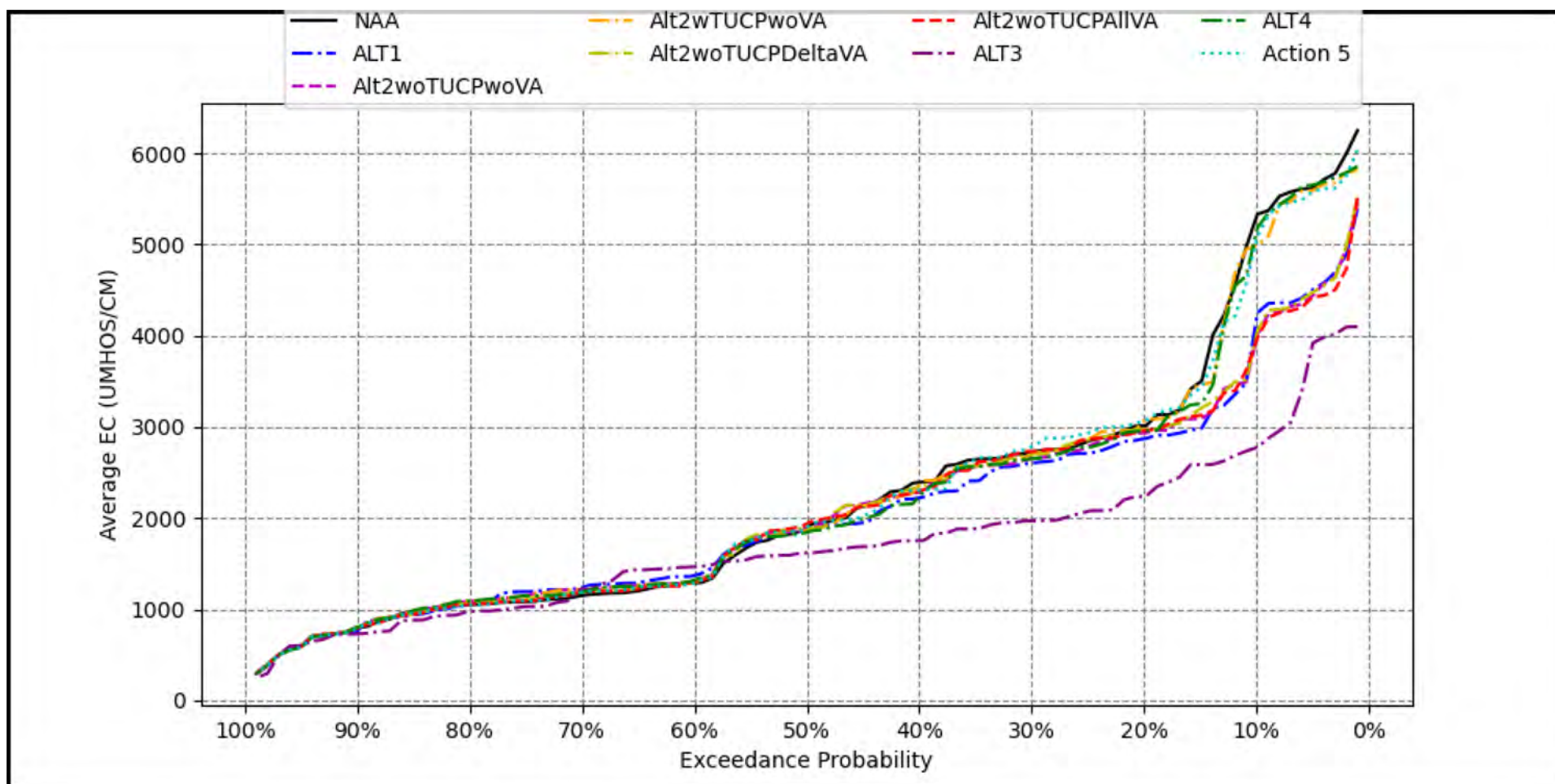
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-12-8 San Joaquin River at Antioch Salinity, May EC



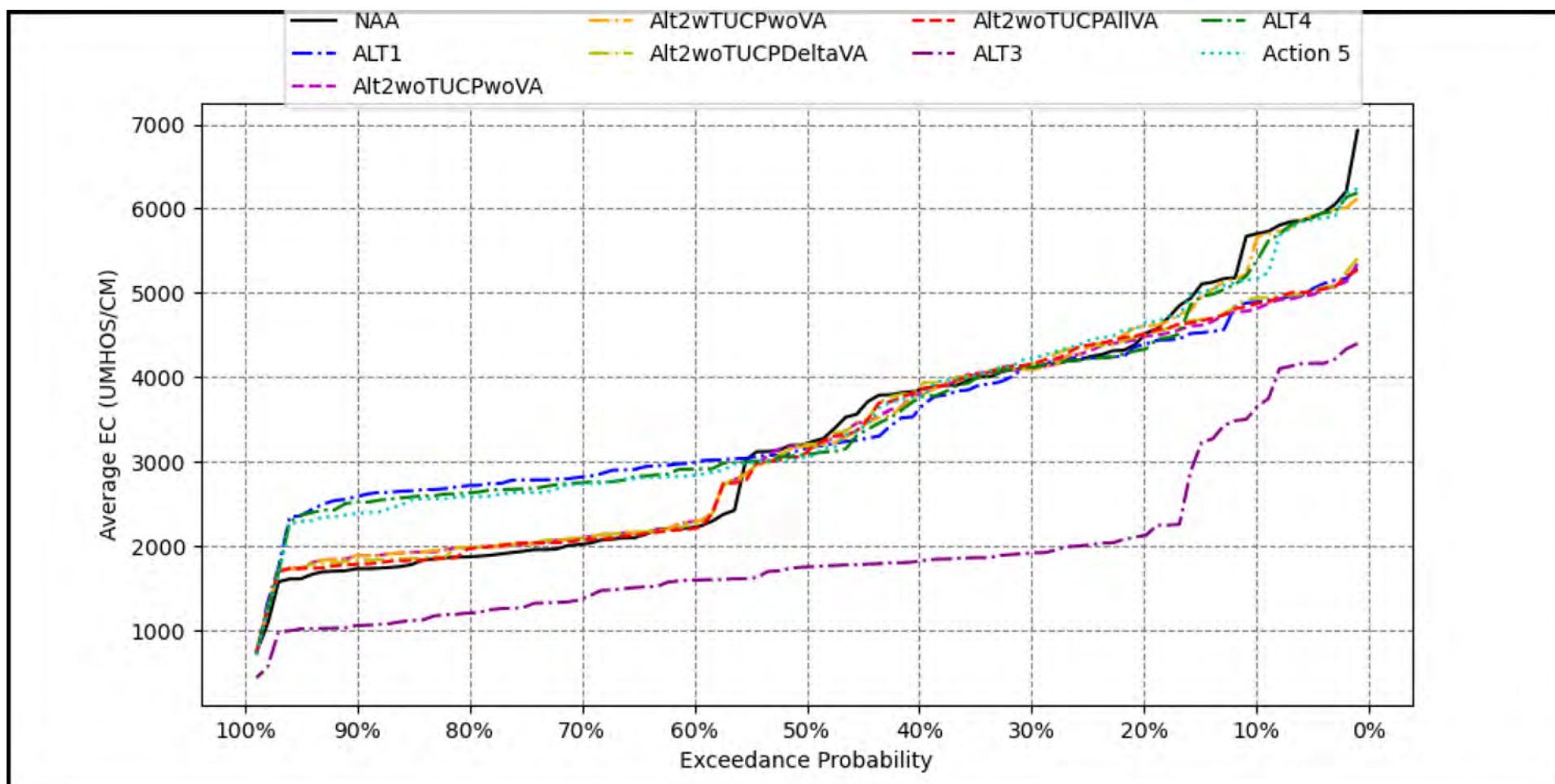
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-12-9 San Joaquin River at Antioch Salinity, June EC



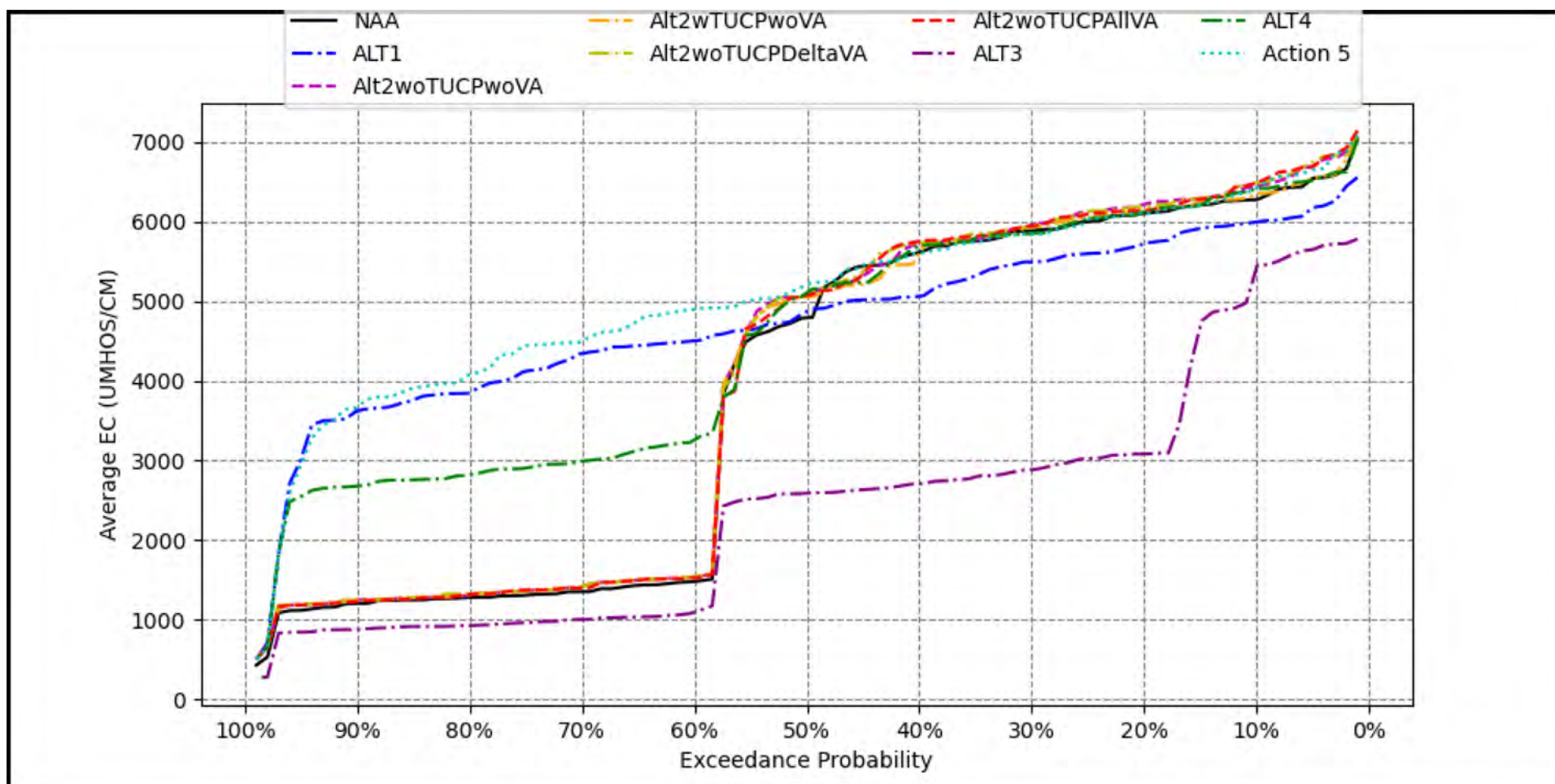
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-12-10 San Joaquin River at Antioch Salinity, July EC



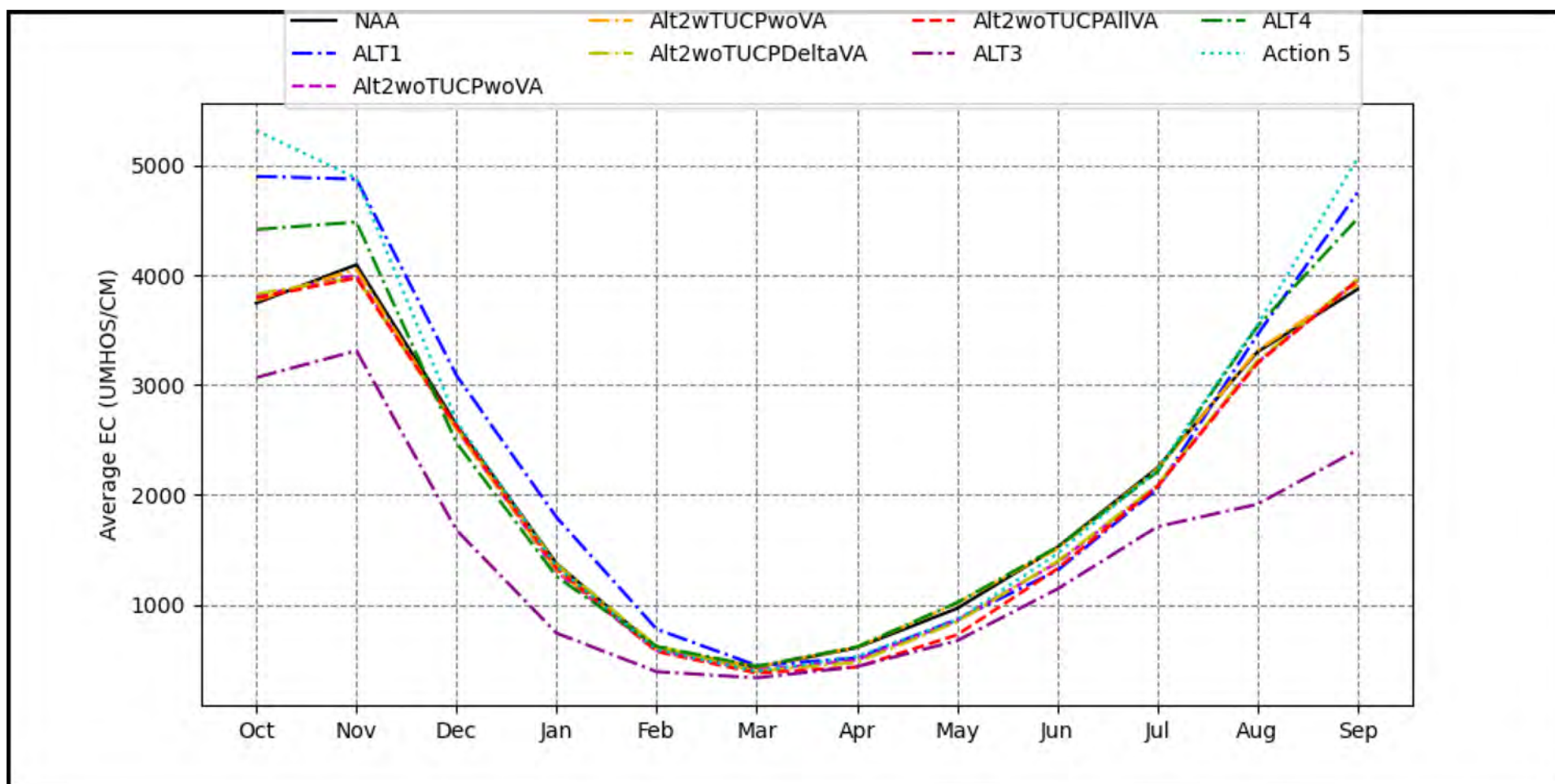
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-12-11 San Joaquin River at Antioch Salinity, August EC



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

Figure F.2.5-12-12 San Joaquin River at Antioch Salinity, September EC

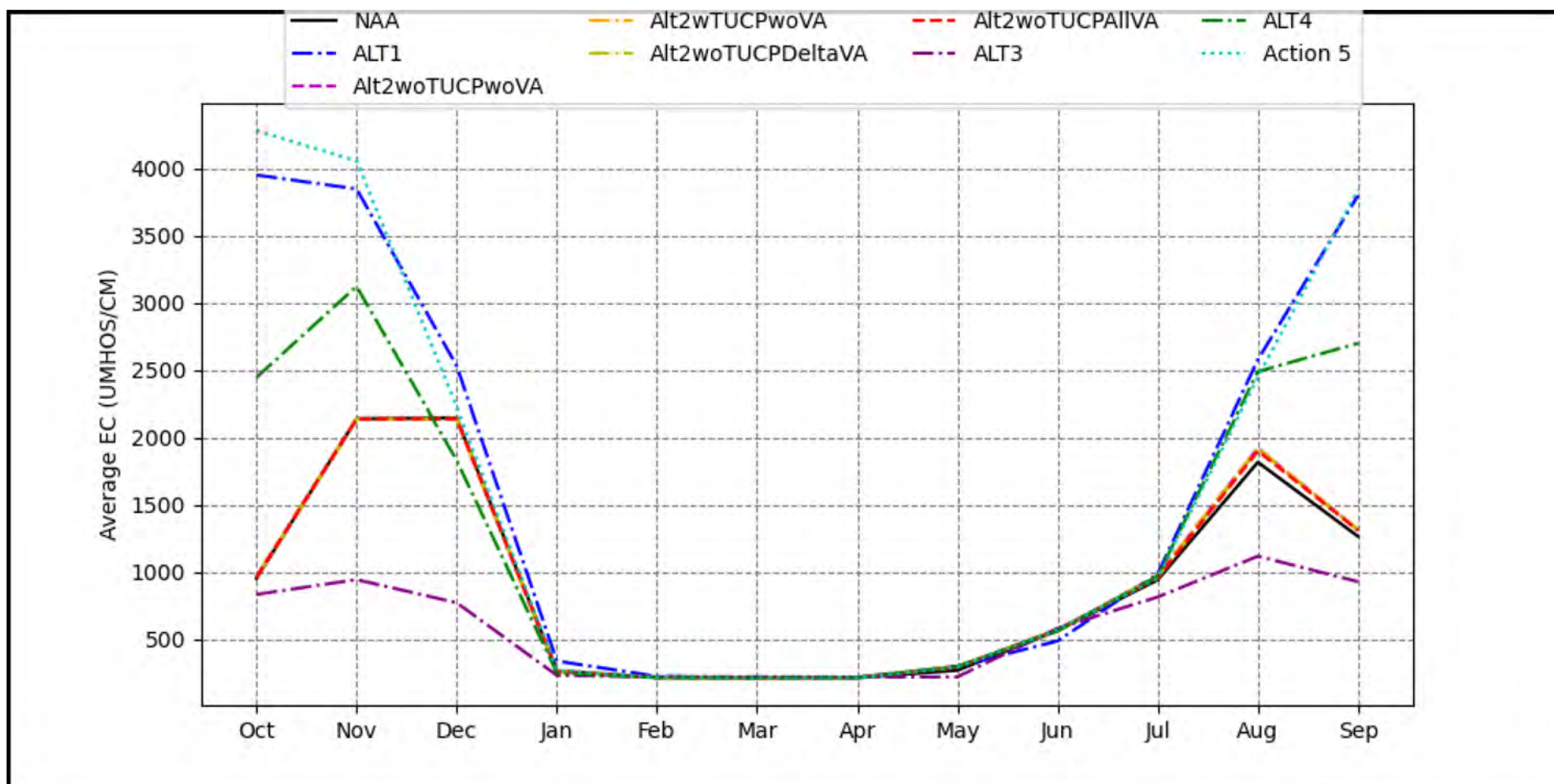


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-12-13 San Joaquin River at Antioch Salinity, Long Term Average EC (UMHOS/CM)

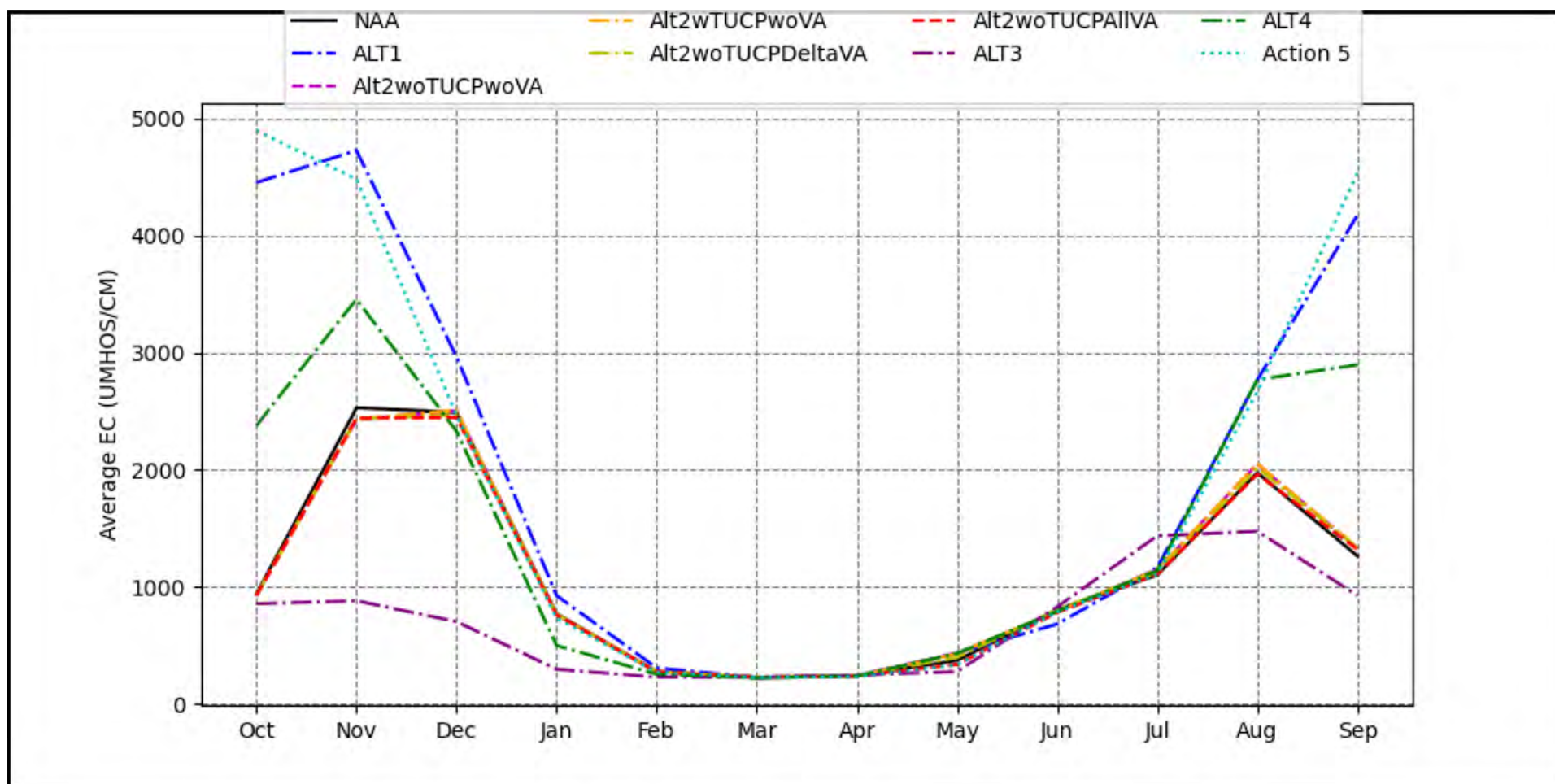


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-12-14 San Joaquin River at Antioch Salinity, Wet Year Average EC (UMHOS/CM)

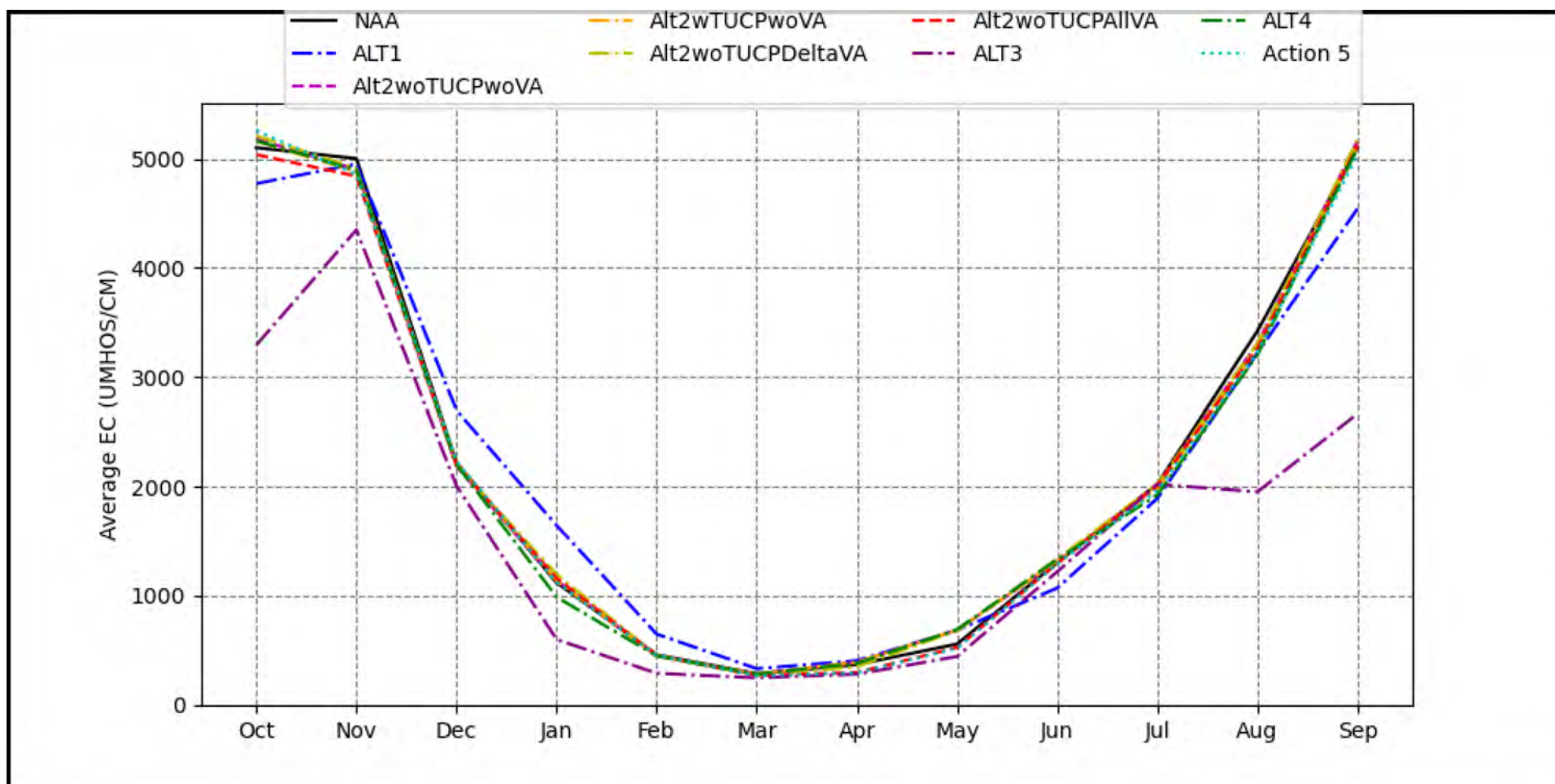


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-12-15 San Joaquin River at Antioch Salinity, Above Normal Year Average EC (UMHOS/CM)

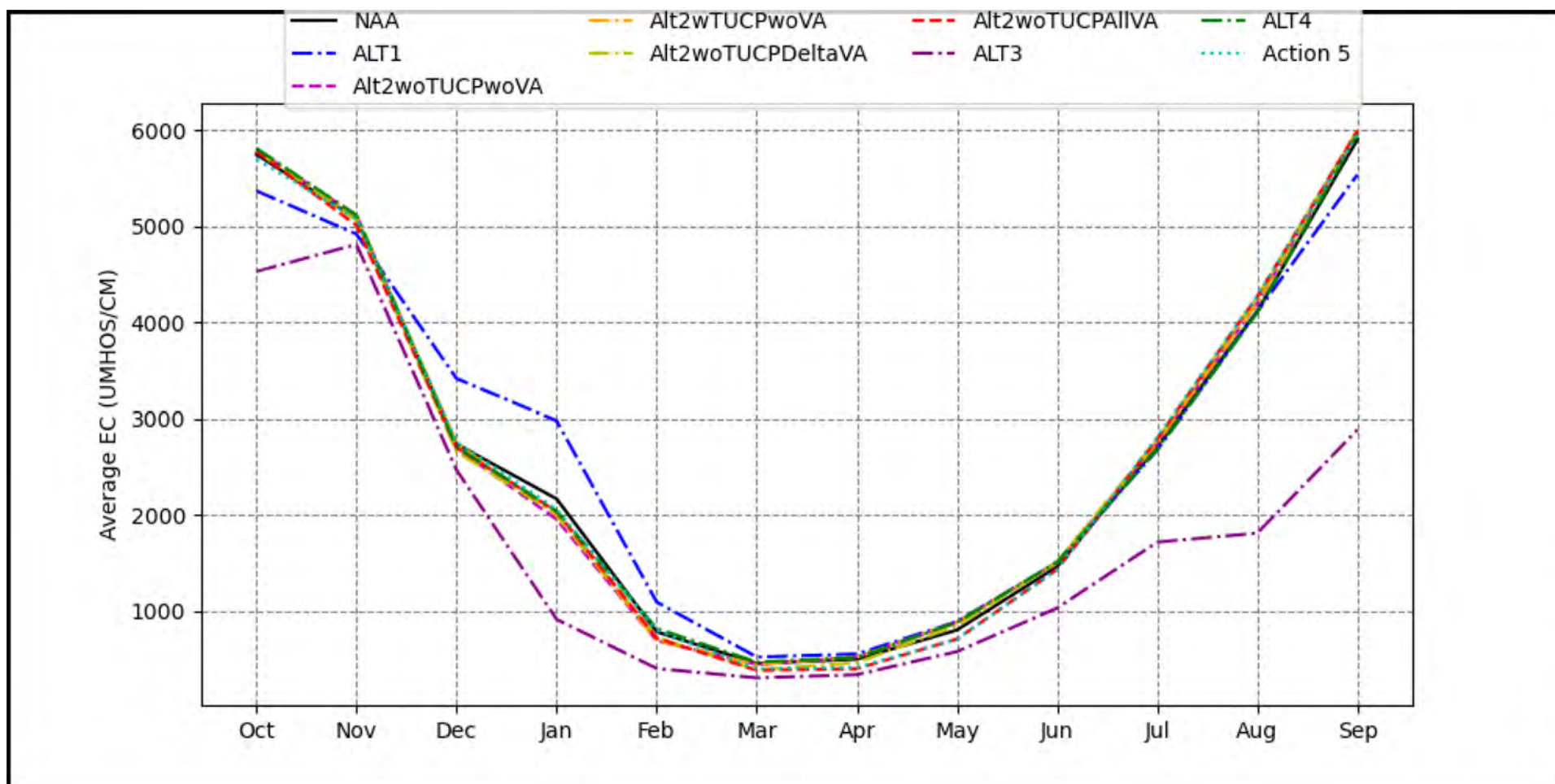


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-12-16 San Joaquin River at Antioch Salinity, Below Normal Year Average EC (UMHOS/CM)

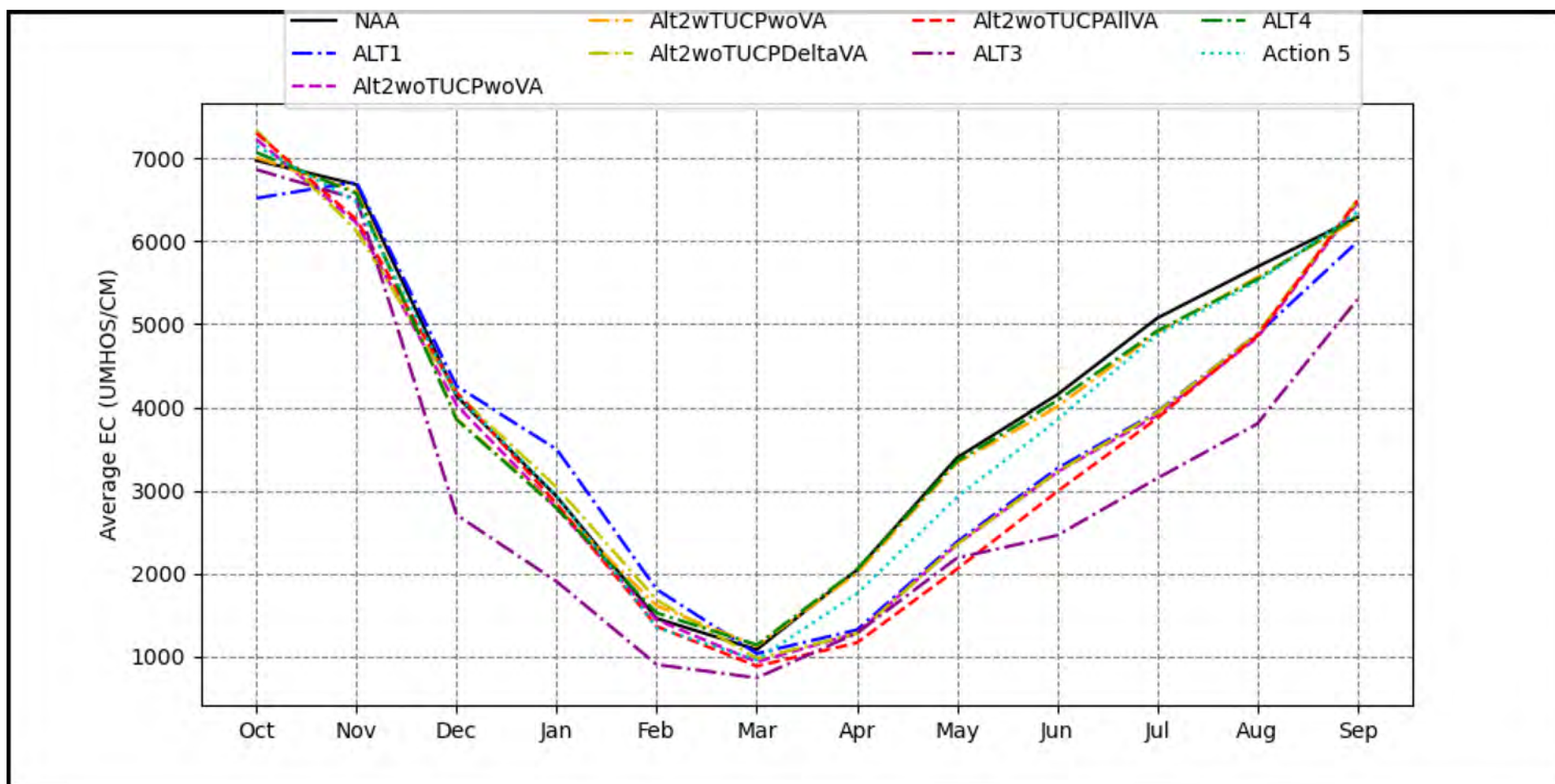


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-12-17 San Joaquin River at Antioch Salinity, Dry Year Average EC (UMHOS/CM)



*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-12-18 San Joaquin River at Antioch Salinity, Critical Year Average EC (UMHOS/CM)

F.2.5-13 Sacramento River at Mallard Slough Salinity

Table F.2.5-13-1 a. Sacramento River at Mallard Slough Salinity, NAA, Monthly EC (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 Years (27.7%)	4,674	6,515	5,357	417	215	286	404	943	2,729	4,255	6,540	5,090
Above Normal Years (13.9%)	4,816	7,573	6,101	1,767	388	321	607	1,706	3,879	4,812	6,853	5,132
Below Normal Years (17.8%)	12,757	12,046	5,428	3,059	1,531	975	1,621	2,655	5,256	6,953	9,602	12,463
Dry Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-13-1 b. Sacramento River at Mallard Slough Salinity, ALT1, Monthly EC (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 Years (27.7%)	10,243	9,355	6,105	652	238	318	485	1,097	2,470	4,409	7,987	9,934
Above Normal Years (13.9%)	11,347	11,161	6,919	2,121	505	437	757	2,025	3,471	4,897	8,271	10,762
Below Normal Years (17.8%)	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 Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-13-1 c. Sacramento River at Mallard Slough Salinity, ALT1 Minus NAA, Monthly EC (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 Years (27.7%)	5,569	2,840	748	235	23	31	81	154	-260	155	1,447	4,844
Above Normal Years (13.9%)	6,532	3,588	818	354	117	116	150	319	-408	85	1,418	5,631
Below Normal Years (17.8%)	-641	-238	752	1,121	392	245	240	505	-589	-378	-266	-875
Dry Years (23.8%)	-820	-521	1,112	1,636	564	309	242	276	114	-143	-144	-714
Critical Years (15.8%)	-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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-13-2 a. Sacramento River at Mallard Slough Salinity, NAA, Monthly EC (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 Years (27.7%)	4,674	6,515	5,357	417	215	286	404	943	2,729	4,255	6,540	5,090
Above Normal Years (13.9%)	4,816	7,573	6,101	1,767	388	321	607	1,706	3,879	4,812	6,853	5,132
Below Normal Years (17.8%)	12,757	12,046	5,428	3,059	1,531	975	1,621	2,655	5,256	6,953	9,602	12,463
Dry Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-13-2 b. Sacramento River at Mallard Slough Salinity, Alt2woTUCPwoVA, Monthly EC (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 Years (27.7%)	4,693	6,505	5,344	395	215	290	448	1,093	2,749	4,351	6,768	5,197
Above Normal Years (13.9%)	4,822	7,335	6,168	1,766	390	321	678	2,008	3,881	4,874	6,987	5,430
Below Normal Years (17.8%)	12,931	11,837	5,349	3,096	1,511	964	1,765	3,134	5,371	6,885	9,470	12,688
Dry Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-13-2 c. Sacramento River at Mallard Slough Salinity, Alt2woTUCPwoVA Minus NAA, Monthly EC (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 Years (27.7%)	19	-10	-13	-22	0	4	44	150	20	96	228	107
Above Normal Years (13.9%)	7	-237	67	-1	2	0	70	303	2	62	134	298
Below Normal Years (17.8%)	174	-208	-79	36	-20	-11	144	479	114	-68	-132	225
Dry Years (23.8%)	82	52	-82	-448	-225	-22	99	249	155	56	95	178
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-13-3 a. Sacramento River at Mallard Slough Salinity, NAA, Monthly EC (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 Years (27.7%)	4,674	6,515	5,357	417	215	286	404	943	2,729	4,255	6,540	5,090
Above Normal Years (13.9%)	4,816	7,573	6,101	1,767	388	321	607	1,706	3,879	4,812	6,853	5,132
Below Normal Years (17.8%)	12,757	12,046	5,428	3,059	1,531	975	1,621	2,655	5,256	6,953	9,602	12,463
Dry Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-13-3 b. Sacramento River at Mallard Slough Salinity, Alt2wTUCPwoVA, Monthly EC (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 Years (27.7%)	4,693	6,507	5,340	393	215	290	448	1,093	2,749	4,352	6,769	5,196
Above Normal Years (13.9%)	4,821	7,342	6,172	1,758	388	320	677	2,007	3,880	4,875	6,986	5,429
Below Normal Years (17.8%)	12,905	11,790	5,380	3,120	1,493	956	1,765	3,133	5,374	6,806	9,359	12,601
Dry Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-13-3 c. Sacramento River at Mallard Slough Salinity, Alt2wTUCPwoVA Minus NAA, Monthly EC (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 Years (27.7%)	19	-9	-17	-24	0	4	44	150	20	97	228	106
Above Normal Years (13.9%)	5	-230	71	-9	0	-1	70	302	1	63	134	297
Below Normal Years (17.8%)	148	-256	-48	60	-38	-19	143	478	118	-147	-243	138
Dry Years (23.8%)	68	40	-6	-364	-222	-22	99	246	153	54	93	177
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-13-4 a. Sacramento River at Mallard Slough Salinity, NAA, Monthly EC (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 Years (27.7%)	4,674	6,515	5,357	417	215	286	404	943	2,729	4,255	6,540	5,090
Above Normal Years (13.9%)	4,816	7,573	6,101	1,767	388	321	607	1,706	3,879	4,812	6,853	5,132
Below Normal Years (17.8%)	12,757	12,046	5,428	3,059	1,531	975	1,621	2,655	5,256	6,953	9,602	12,463
Dry Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-13-4 b. Sacramento River at Mallard Slough Salinity, Alt2woTUCPDeltaVA, Monthly EC (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 Years (27.7%)	4,698	6,503	5,362	420	215	287	430	1,086	2,773	4,315	6,749	5,194
Above Normal Years (13.9%)	4,823	7,333	6,091	1,776	391	317	535	1,817	3,926	4,809	6,909	5,401
Below Normal Years (17.8%)	12,953	11,840	5,349	3,179	1,506	812	1,513	3,087	5,419	6,892	9,400	12,683
Dry Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-13-4 c. Sacramento River at Mallard Slough Salinity, Alt2woTUCPDeltaVA Minus NAA, Monthly EC (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 Years (27.7%)	24	-12	4	3	0	0	25	143	44	60	208	104
Above Normal Years (13.9%)	7	-240	-10	9	3	-4	-72	111	46	-4	56	269
Below Normal Years (17.8%)	196	-205	-79	119	-25	-163	-109	433	163	-61	-202	220
Dry Years (23.8%)	62	-5	-143	-332	-134	-228	-146	127	162	63	84	163
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-13-5 a. Sacramento River at Mallard Slough Salinity, NAA, Monthly EC (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 Years (27.7%)	4,674	6,515	5,357	417	215	286	404	943	2,729	4,255	6,540	5,090
Above Normal Years (13.9%)	4,816	7,573	6,101	1,767	388	321	607	1,706	3,879	4,812	6,853	5,132
Below Normal Years (17.8%)	12,757	12,046	5,428	3,059	1,531	975	1,621	2,655	5,256	6,953	9,602	12,463
Dry Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-13-5 b. Sacramento River at Mallard Slough Salinity, Alt2woTUCPAIIVA, Monthly EC (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 Years (27.7%)	4,691	6,508	5,365	412	215	288	424	1,058	2,770	4,304	6,720	5,188
Above Normal Years (13.9%)	4,831	7,336	6,056	1,750	390	317	474	1,499	3,820	4,761	6,801	5,406
Below Normal Years (17.8%)	12,669	11,709	5,346	3,128	1,504	806	1,155	2,495	5,270	6,877	9,320	12,589
Dry Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-13-5 c. Sacramento River at Mallard Slough Salinity, Alt2woTUCPAIIVA Minus NAA, Monthly EC (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 Years (27.7%)	17	-7	8	-5	0	2	20	115	41	49	180	98
Above Normal Years (13.9%)	15	-236	-45	-17	2	-4	-134	-207	-60	-52	-51	274
Below Normal Years (17.8%)	-87	-336	-82	69	-27	-170	-467	-159	14	-76	-281	126
Dry Years (23.8%)	68	-106	-97	-259	-144	-261	-497	-390	-49	96	92	163
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-13-6 a. Sacramento River at Mallard Slough Salinity, NAA, Monthly EC (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 Years (27.7%)	4,674	6,515	5,357	417	215	286	404	943	2,729	4,255	6,540	5,090
Above Normal Years (13.9%)	4,816	7,573	6,101	1,767	388	321	607	1,706	3,879	4,812	6,853	5,132
Below Normal Years (17.8%)	12,757	12,046	5,428	3,059	1,531	975	1,621	2,655	5,256	6,953	9,602	12,463
Dry Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-13-6 b. Sacramento River at Mallard Slough Salinity, ALT3, Monthly EC (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 Years (27.7%)	4,500	4,348	2,809	325	208	240	335	515	2,773	4,320	5,511	4,887
Above Normal Years (13.9%)	4,810	4,454	2,774	724	272	256	480	900	3,951	6,490	6,740	5,160
Below Normal Years (17.8%)	10,193	10,985	4,818	1,915	869	543	980	2,095	5,186	7,717	7,843	9,144
Dry Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-13-6 c. Sacramento River at Mallard Slough Salinity, ALT3 Minus NAA, Monthly EC (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 Years (27.7%)	-174	-2,167	-2,548	-92	-7	-46	-70	-429	44	65	-1,029	-203
Above Normal Years (13.9%)	-6	-3,118	-3,327	-1,043	-116	-65	-127	-805	71	1,678	-113	28
Below Normal Years (17.8%)	-2,564	-1,060	-610	-1,145	-662	-432	-642	-560	-70	764	-1,759	-3,319
Dry Years (23.8%)	-1,824	-433	-666	-2,609	-984	-615	-807	-892	-942	-1,607	-3,957	-4,710
Critical Years (15.8%)	-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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-13-7 a. Sacramento River at Mallard Slough Salinity, NAA, Monthly EC (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 Years (27.7%)	4,674	6,515	5,357	417	215	286	404	943	2,729	4,255	6,540	5,090
Above Normal Years (13.9%)	4,816	7,573	6,101	1,767	388	321	607	1,706	3,879	4,812	6,853	5,132
Below Normal Years (17.8%)	12,757	12,046	5,428	3,059	1,531	975	1,621	2,655	5,256	6,953	9,602	12,463
Dry Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-13-7 b. Sacramento River at Mallard Slough Salinity, ALT4, Monthly EC (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 Years (27.7%)	7,928	8,185	4,728	382	216	294	451	1,094	2,738	4,335	7,782	8,247
Above Normal Years (13.9%)	8,321	9,129	5,832	1,230	366	324	680	2,016	3,889	4,843	8,238	8,991
Below Normal Years (17.8%)	12,871	11,835	5,355	2,811	1,530	942	1,702	3,159	5,424	6,655	9,216	12,544
Dry Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-13-7 c. Sacramento River at Mallard Slough Salinity, ALT4 Minus NAA, Monthly EC (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 Years (27.7%)	3,254	1,670	-629	-35	1	7	47	151	9	80	1,242	3,157
Above Normal Years (13.9%)	3,505	1,557	-269	-537	-22	2	73	311	9	31	1,385	3,859
Below Normal Years (17.8%)	114	-210	-73	-248	0	-33	80	505	167	-298	-385	81
Dry Years (23.8%)	135	28	-90	-275	75	43	75	250	160	-134	-169	136
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-13-8 a. Sacramento River at Mallard Slough Salinity, NAA, Monthly EC (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 Years (27.7%)	4,674	6,515	5,357	417	215	286	404	943	2,729	4,255	6,540	5,090
Above Normal Years (13.9%)	4,816	7,573	6,101	1,767	388	321	607	1,706	3,879	4,812	6,853	5,132
Below Normal Years (17.8%)	12,757	12,046	5,428	3,059	1,531	975	1,621	2,655	5,256	6,953	9,602	12,463
Dry Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-13-8 b. Sacramento River at Mallard Slough Salinity, Action 5, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	16,014	14,886	11,895	9,784	5,277	4,026	5,182	7,865	11,364	12,397	13,467	15,512
20% Exceedance	14,868	14,177	11,138	8,098	3,294	2,295	3,300	4,457	6,666	9,126	11,926	14,695
30% Exceedance	14,559	13,706	10,360	4,870	1,571	1,123	2,153	4,084	6,224	8,485	11,367	14,104
40% Exceedance	14,253	13,259	9,551	2,732	990	825	1,270	3,364	5,546	7,735	10,456	13,606
50% Exceedance	13,892	12,778	6,985	1,932	544	608	1,076	2,420	5,150	6,671	8,923	12,713
60% Exceedance	13,397	12,266	4,628	1,008	304	320	593	1,676	4,782	5,308	8,515	12,145
70% Exceedance	12,560	11,660	2,095	335	217	230	405	1,207	4,215	4,960	8,281	11,447
80% Exceedance	11,664	10,690	1,185	211	196	199	262	485	2,953	4,609	7,992	10,654
90% Exceedance	10,482	5,929	572	191	187	186	197	294	1,879	4,243	7,638	10,061
Full Simulation Period Average^a	13,010	11,689	6,529	3,557	1,697	1,324	1,959	3,194	5,359	7,178	9,925	12,566
Wet Years (27.7%)	10,932	9,910	5,477	426	216	293	429	1,058	2,764	4,298	7,706	10,021
Above Normal Years (13.9%)	12,253	10,912	6,014	1,661	397	335	478	1,490	3,833	4,796	8,058	11,487
Below Normal Years (17.8%)	13,013	11,768	5,367	3,082	1,502	822	1,173	2,473	5,265	6,747	9,207	12,421
Dry Years (23.8%)	13,872	11,940	6,937	5,890	2,483	1,598	2,103	3,460	5,810	8,600	11,420	14,232
Critical Years (15.8%)	16,274	15,131	9,842	7,733	4,464	4,145	6,603	8,836	10,666	12,656	14,009	15,627

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-13-8 c. Sacramento River at Mallard Slough Salinity, Action 5 Minus NAA, Monthly EC (UMHOS/CM)

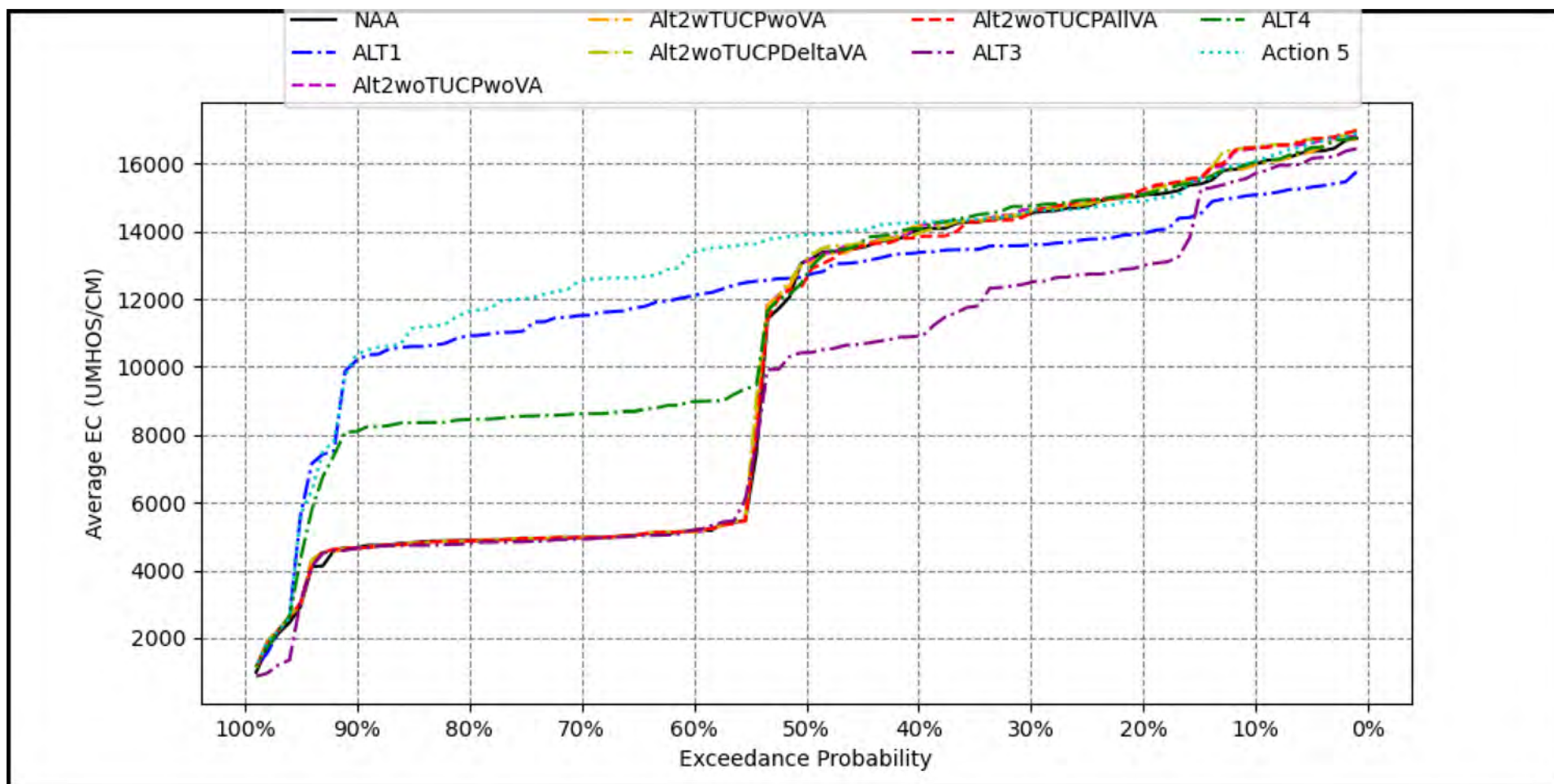
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	132	-356	-152	-190	13	-475	-1,181	-1,024	14	-510	-709	57
20% Exceedance	-155	-16	49	-312	-228	-438	-976	-331	-249	148	31	39
30% Exceedance	56	-166	-140	-267	15	-40	-316	-351	136	22	22	-44
40% Exceedance	230	494	-150	-177	-4	-53	-368	-410	-147	-334	-366	-144
50% Exceedance	771	3,736	-154	44	-6	12	-47	-158	120	-177	-266	830
60% Exceedance	8,229	3,698	614	-7	12	4	-107	-138	58	-157	1,129	6,514
70% Exceedance	7,590	3,319	45	-11	1	2	-35	50	-39	61	1,296	6,110
80% Exceedance	6,768	3,343	58	-3	0	3	-6	-3	3	5	1,308	5,449
90% Exceedance	5,751	1,610	-65	-1	-1	-1	-2	29	106	38	1,290	4,975
Full Simulation Period Average^a	2,945	1,385	6	-60	-37	-120	-271	-249	-95	-62	387	2,280
Wet Years (27.7%)	6,258	3,394	120	10	2	6	25	115	35	44	1,165	4,931
Above Normal Years (13.9%)	7,438	3,339	-87	-106	9	14	-129	-215	-46	-16	1,205	6,355
Below Normal Years (17.8%)	256	-277	-61	22	-28	-154	-448	-182	9	-206	-395	-41
Dry Years (23.8%)	-50	-49	-46	-187	28	-197	-363	-371	-92	70	22	56
Critical Years (15.8%)	173	-239	-48	-41	-249	-308	-572	-811	-487	-324	-262	25

^a Based on the 100-year simulation period.

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

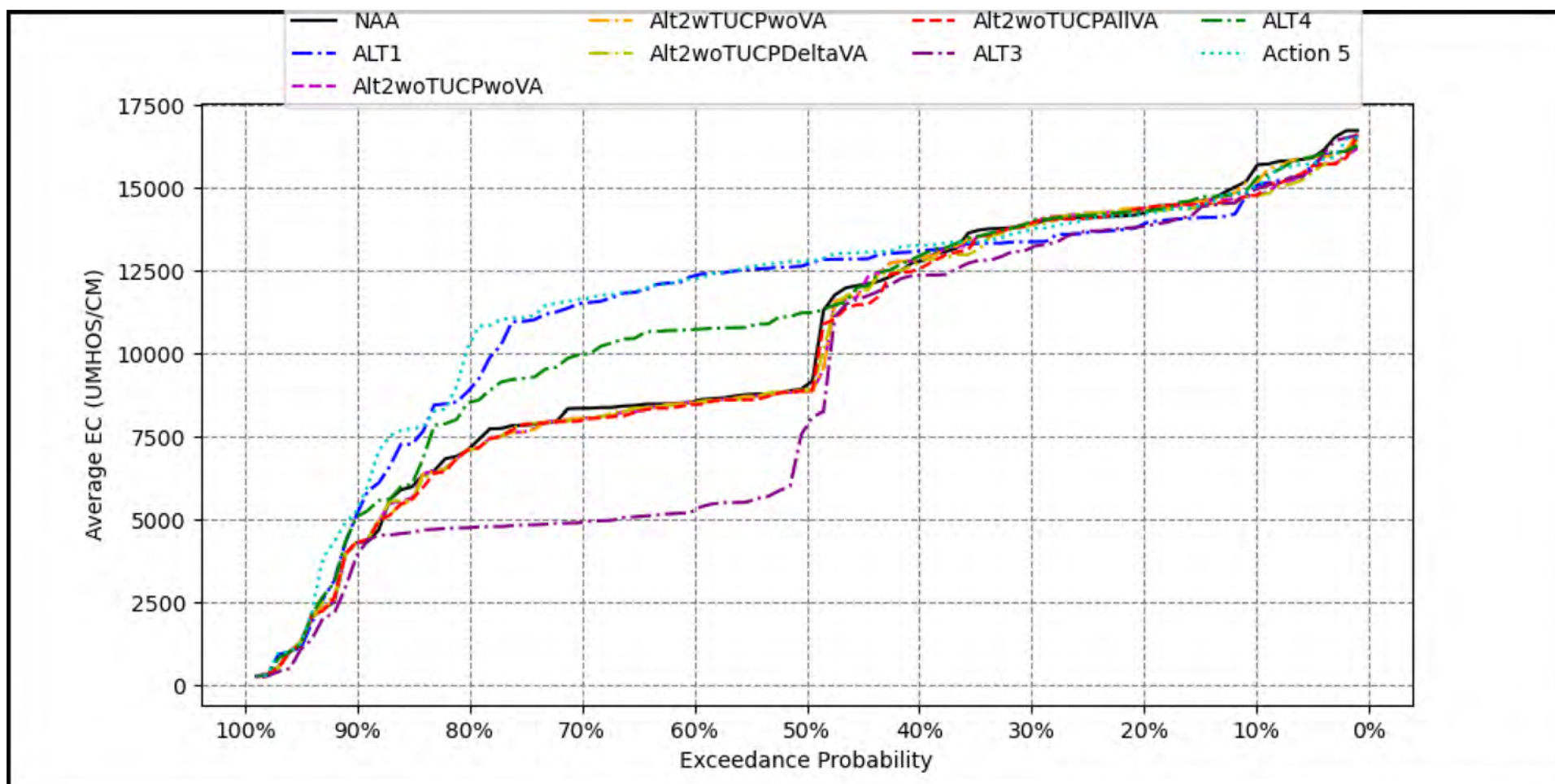
* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.



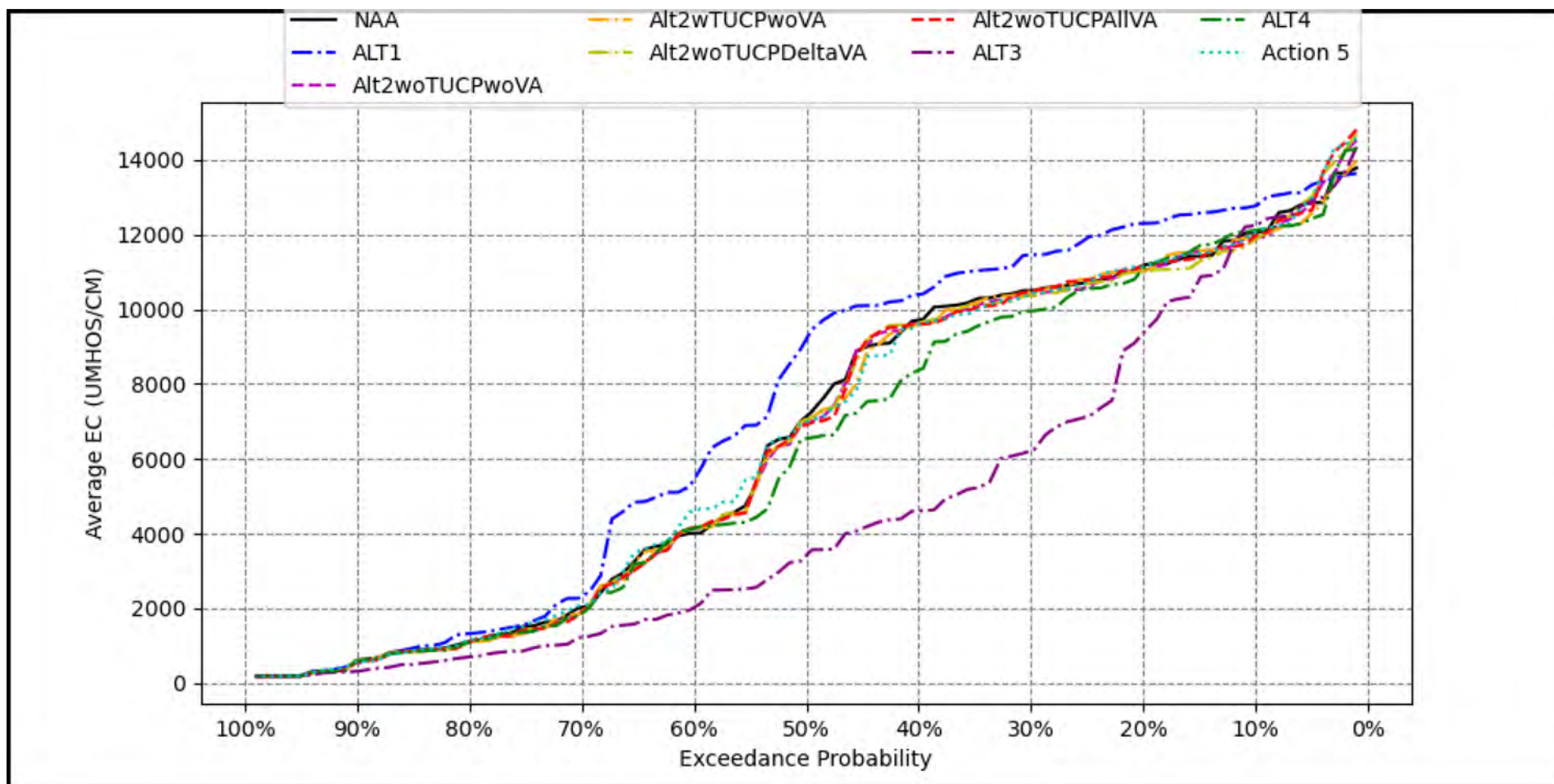
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-13-1 Sacramento River at Mallard Slough Salinity, October EC



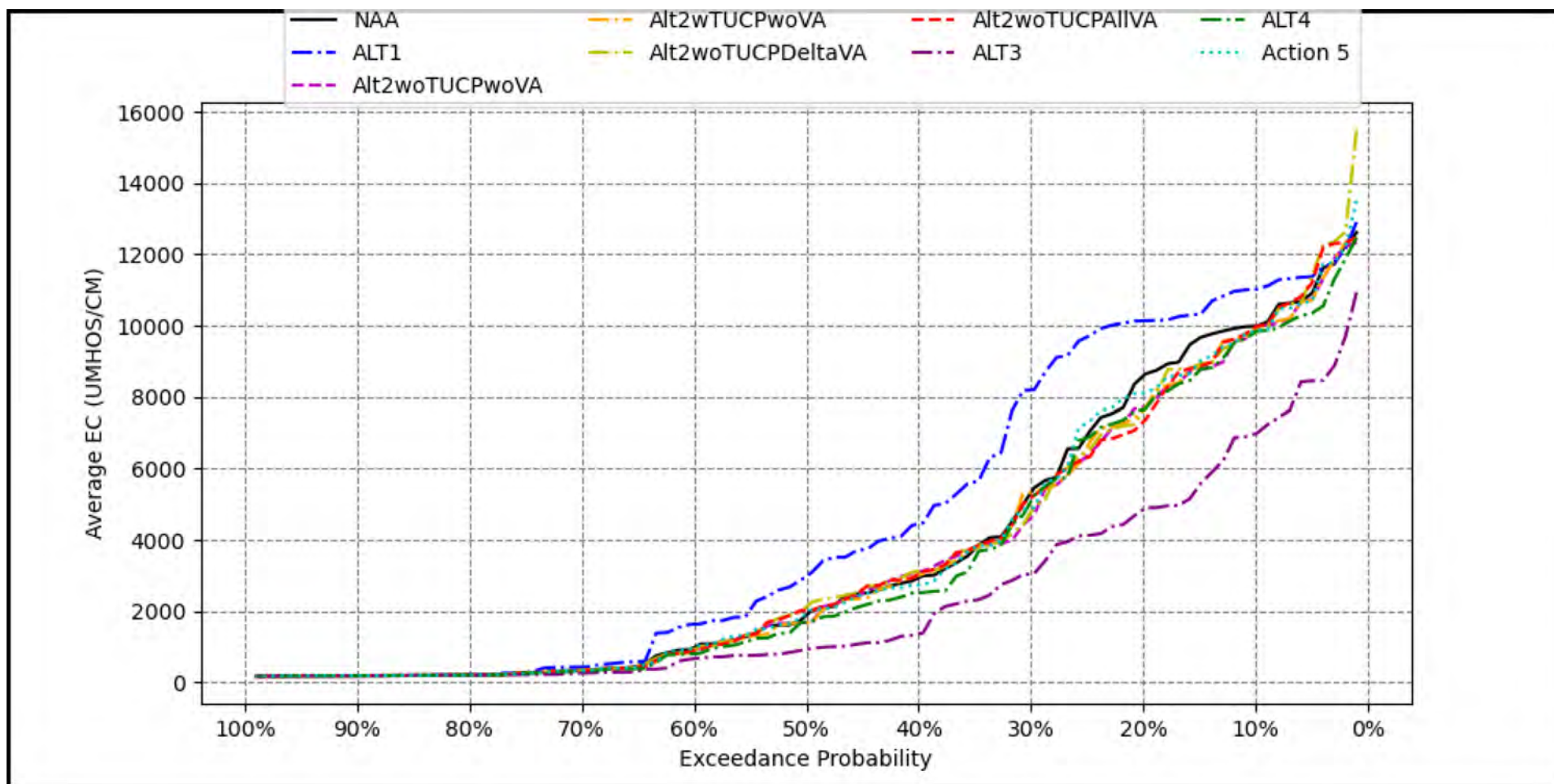
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-13-2 Sacramento River at Mallard Slough Salinity, November EC



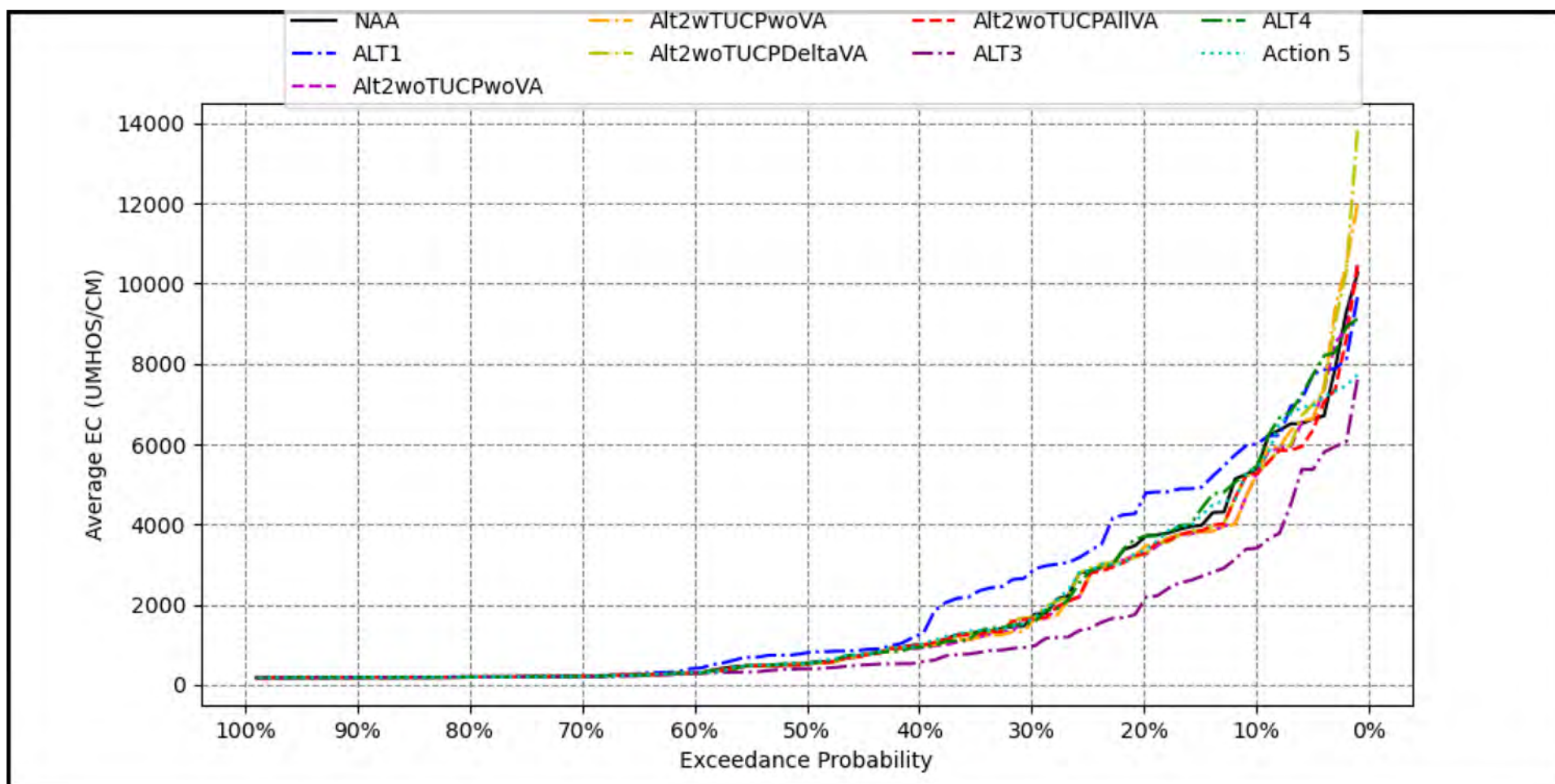
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-13-3 Sacramento River at Mallard Slough Salinity, December EC



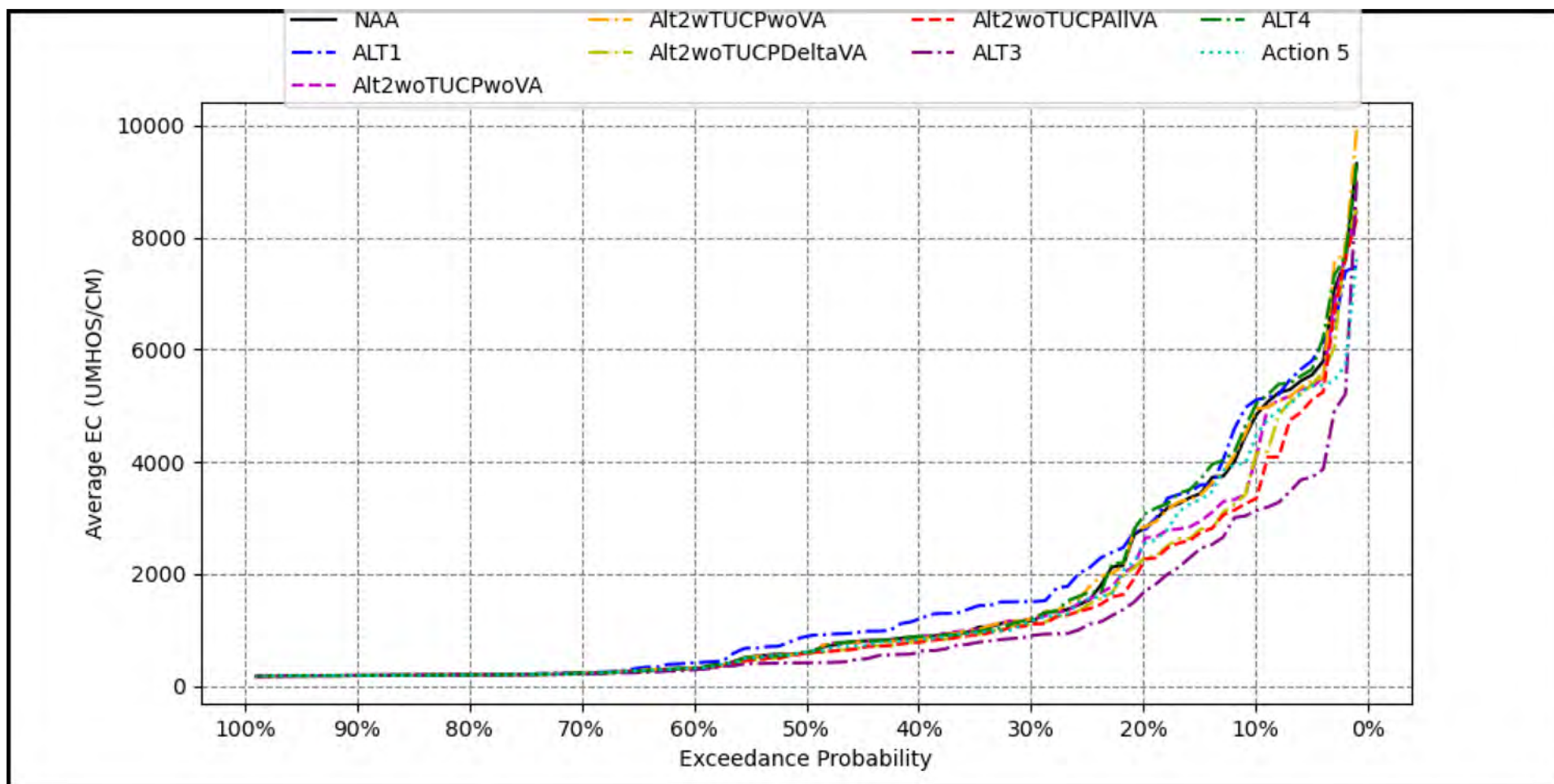
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-13-4 Sacramento River at Mallard Slough Salinity, January EC



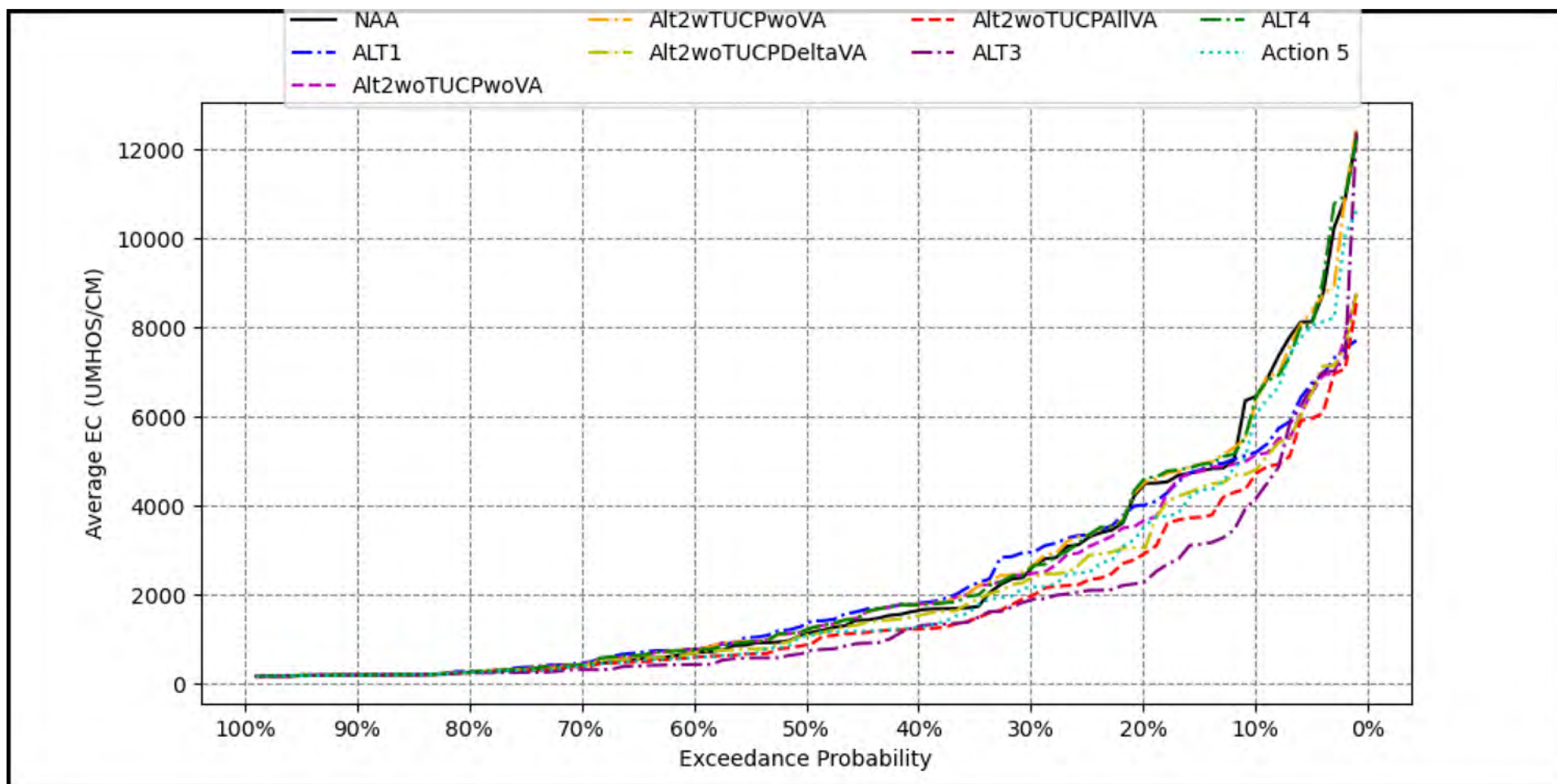
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-13-5 Sacramento River at Mallard Slough Salinity, February EC



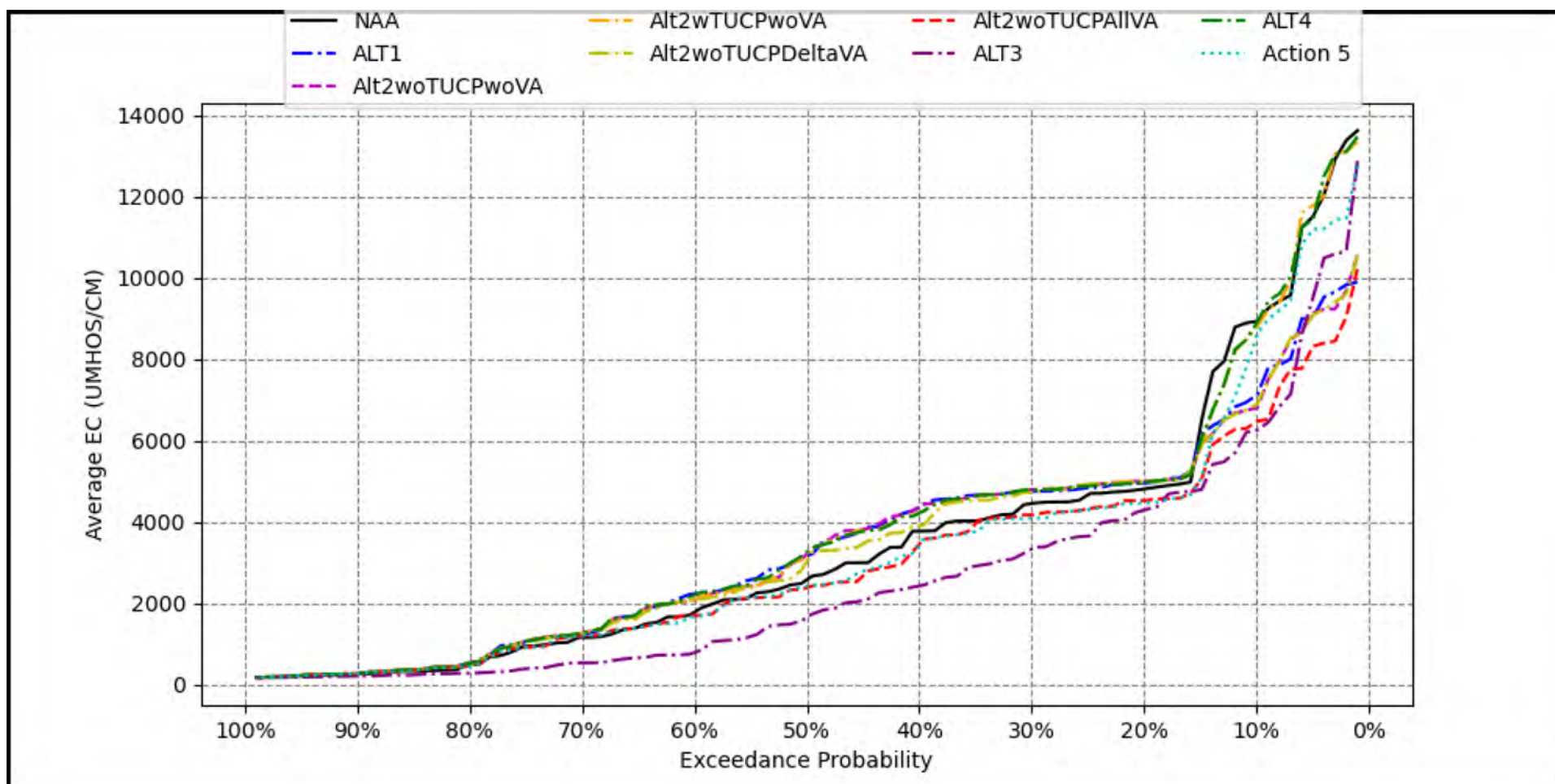
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-13-6 Sacramento River at Mallard Slough Salinity, March EC



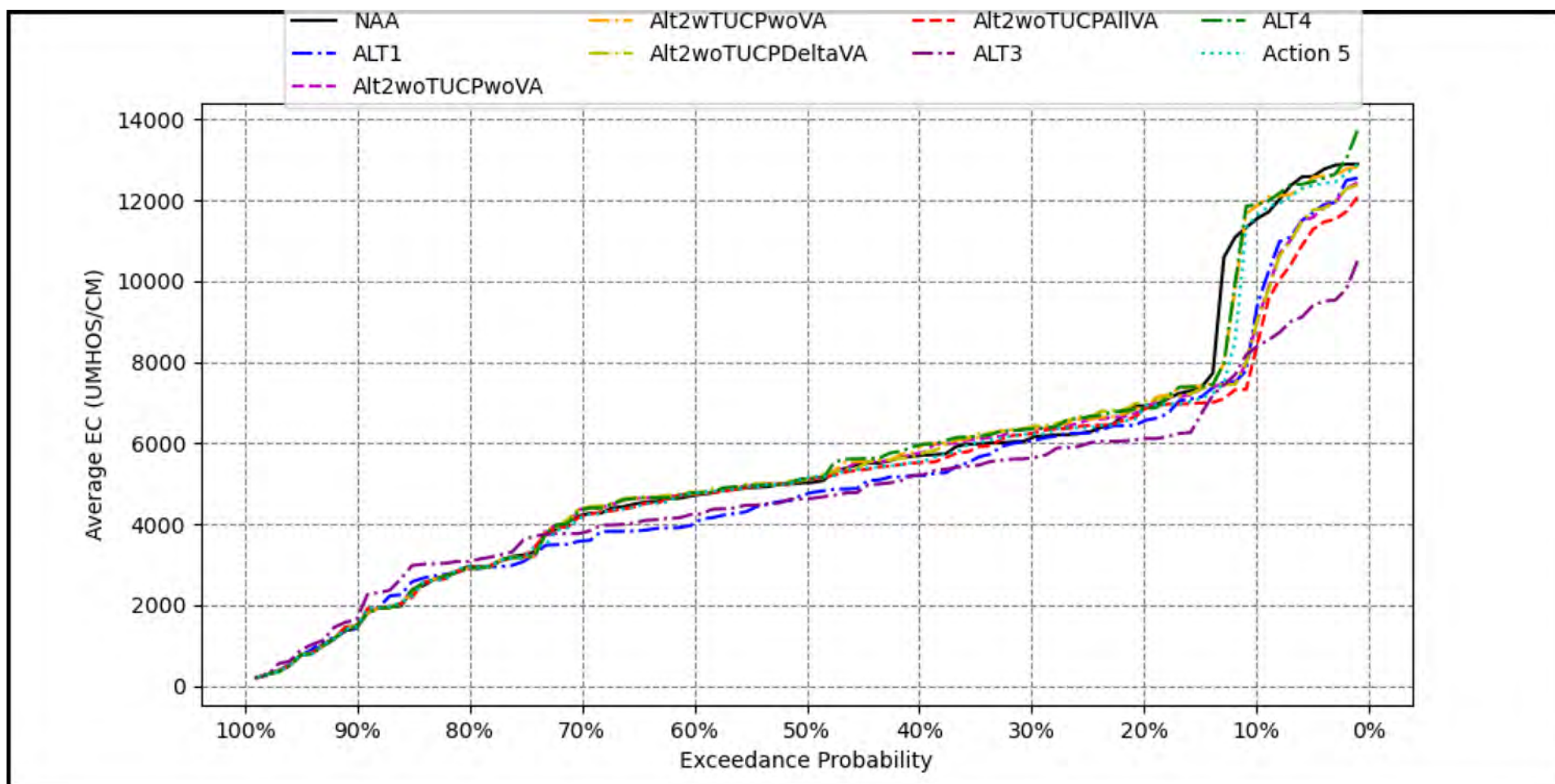
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-13-7 Sacramento River at Mallard Slough Salinity, April EC



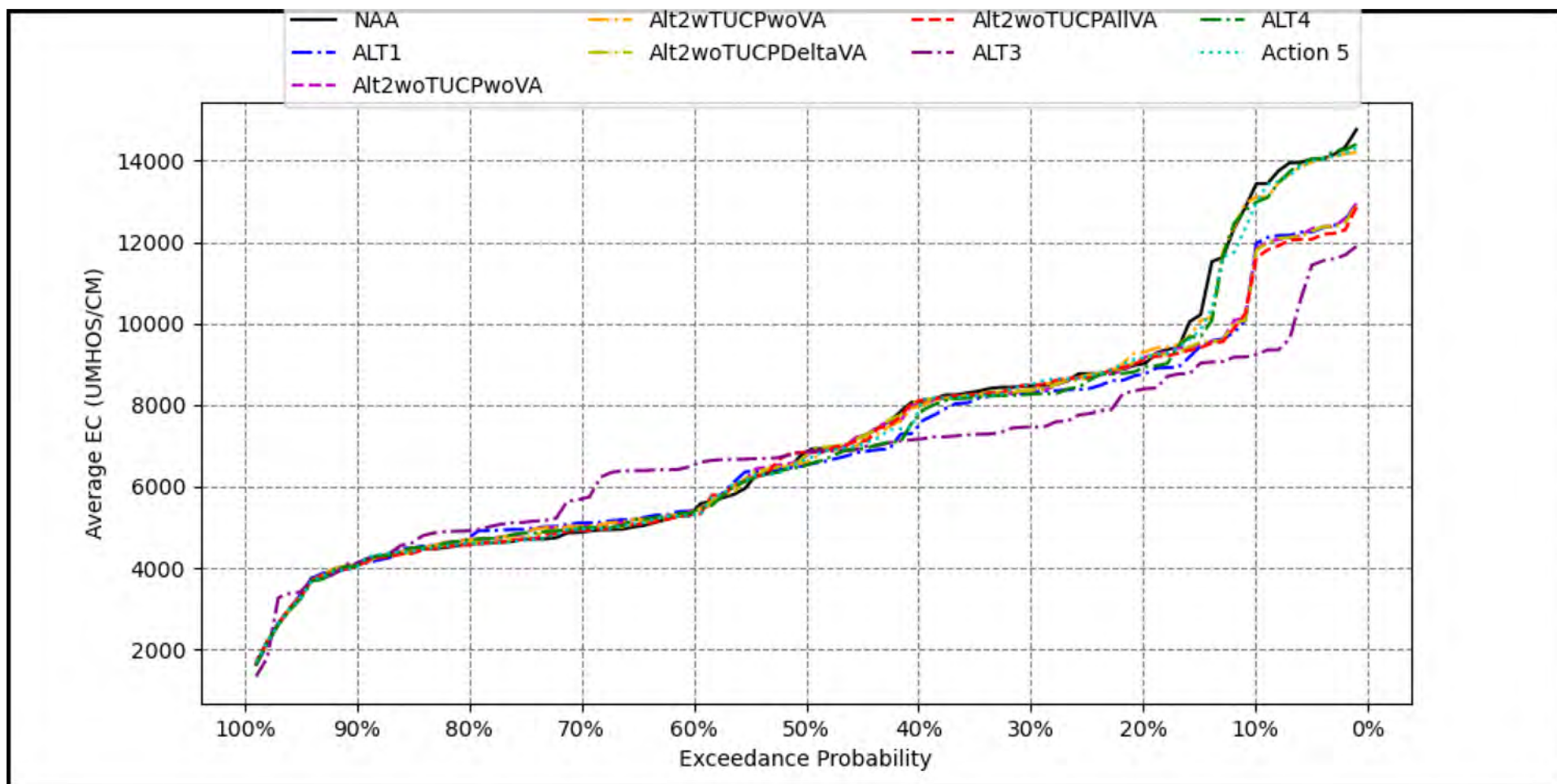
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-13-8 Sacramento River at Mallard Slough Salinity, May EC



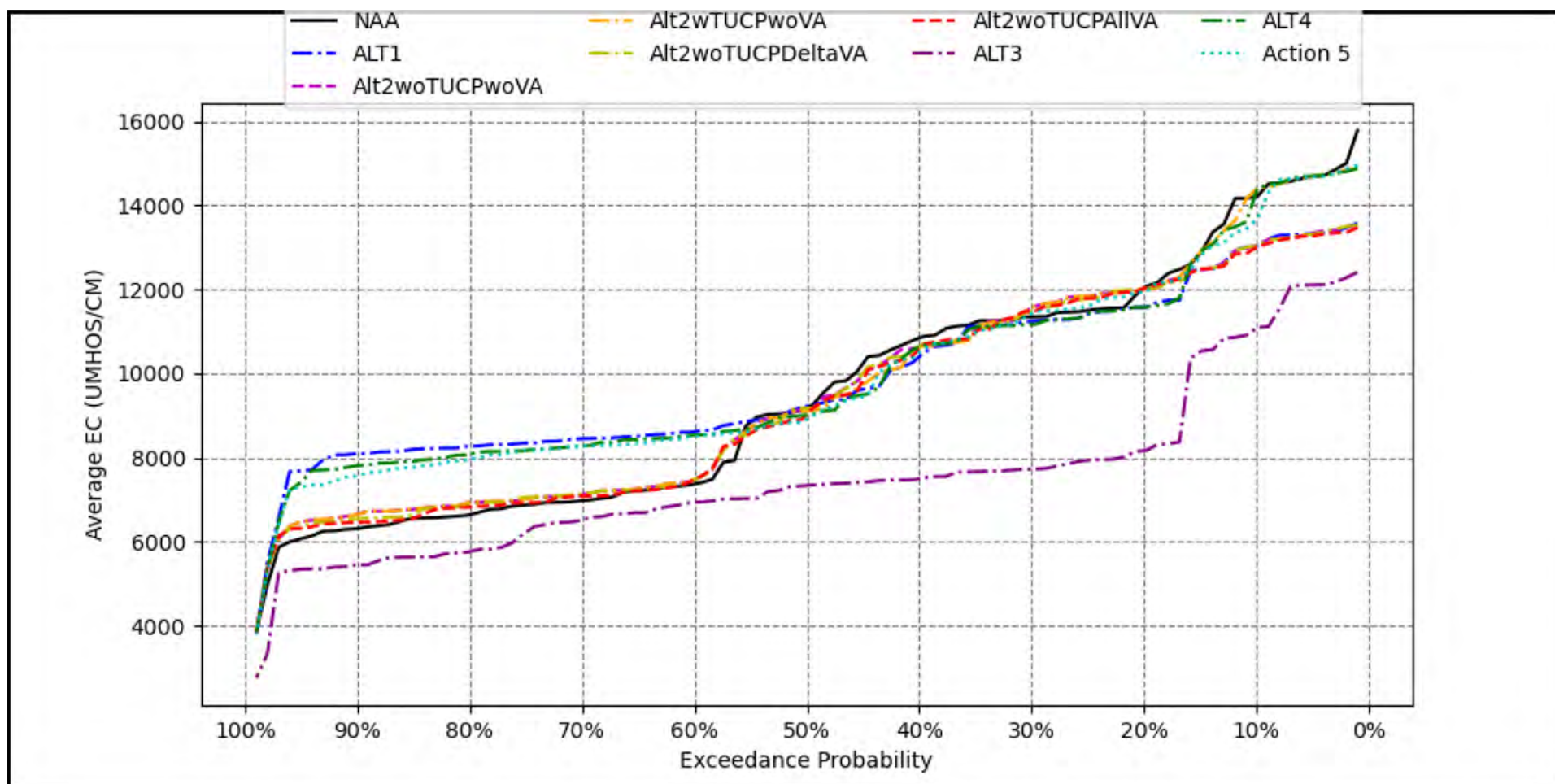
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-13-9 Sacramento River at Mallard Slough Salinity, June EC



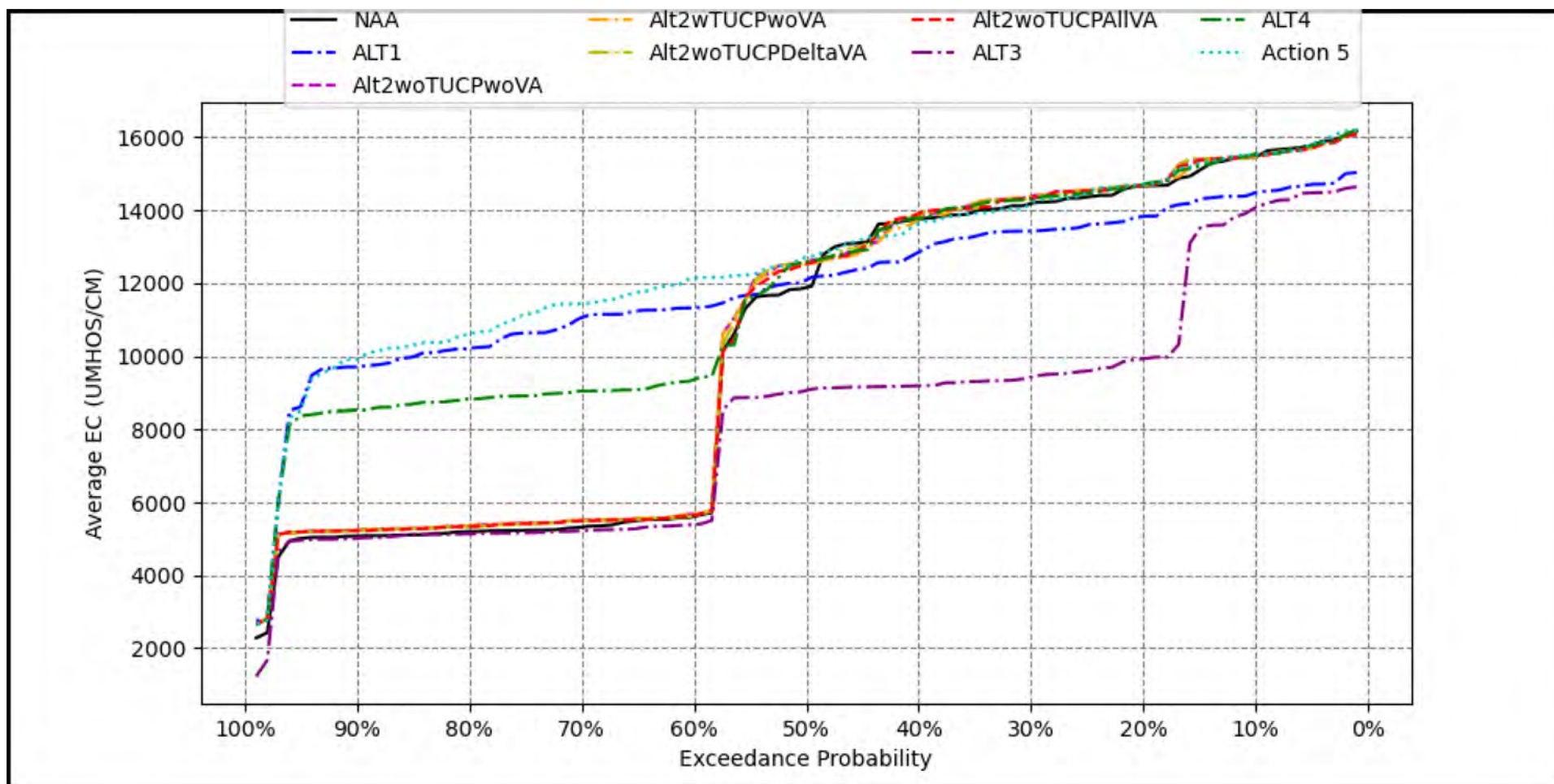
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-13-10 Sacramento River at Mallard Slough Salinity, July EC



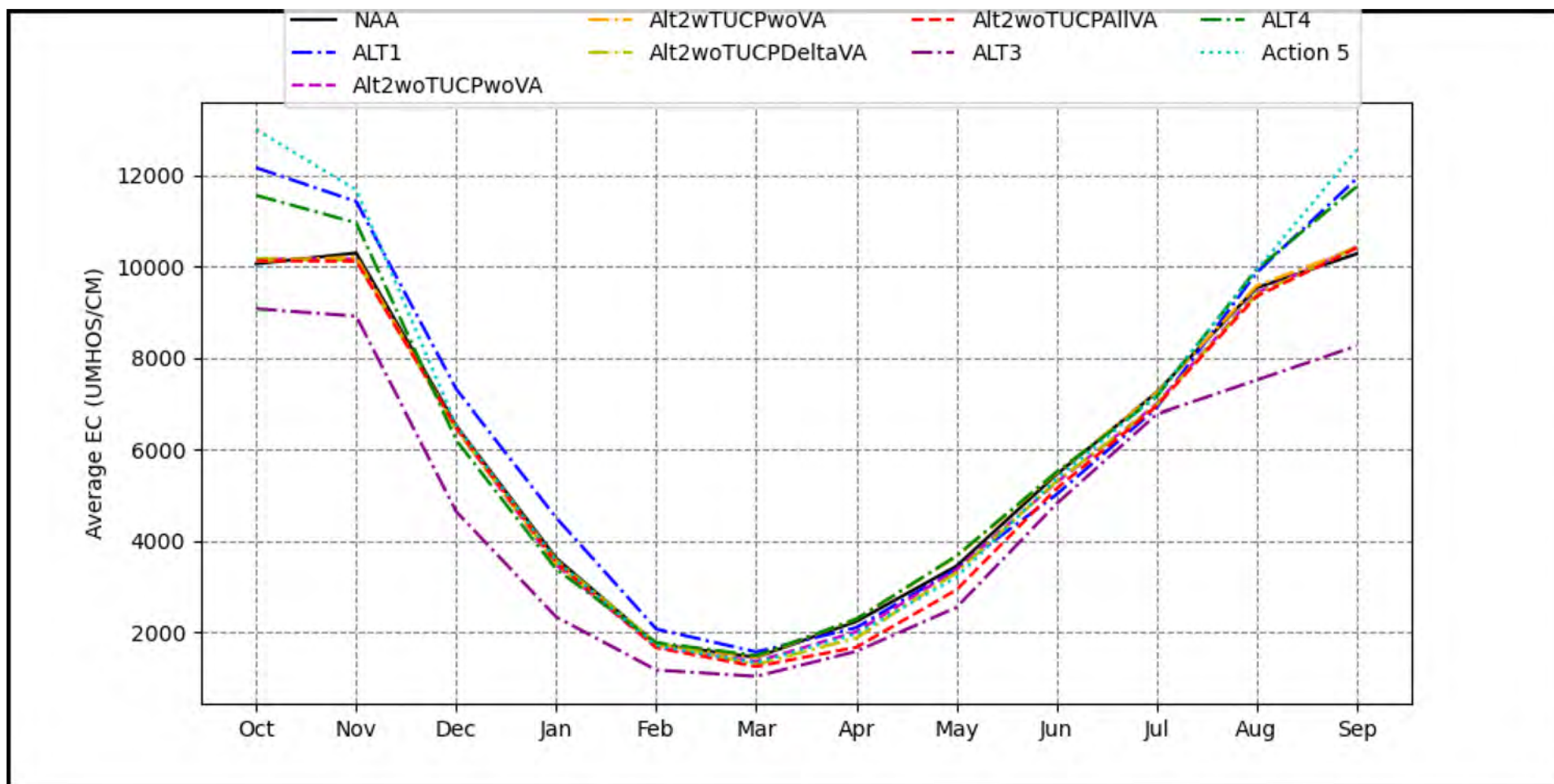
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-13-11 Sacramento River at Mallard Slough Salinity, August EC



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

Figure F.2.5-13-12 Sacramento River at Mallard Slough Salinity, September EC

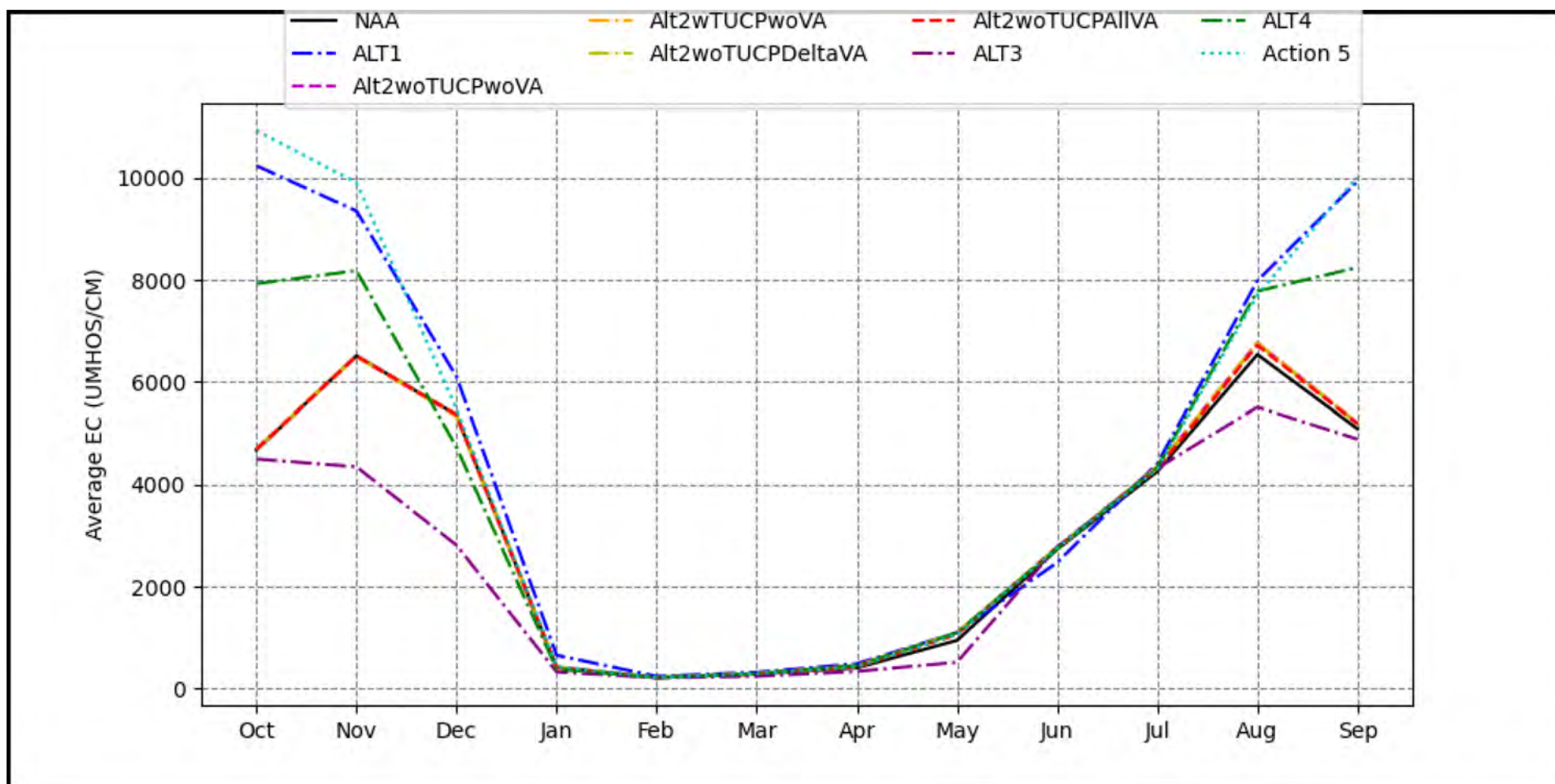


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-13-13 Sacramento River at Mallard Slough Salinity, Long Term Average EC (UMHOS/CM)

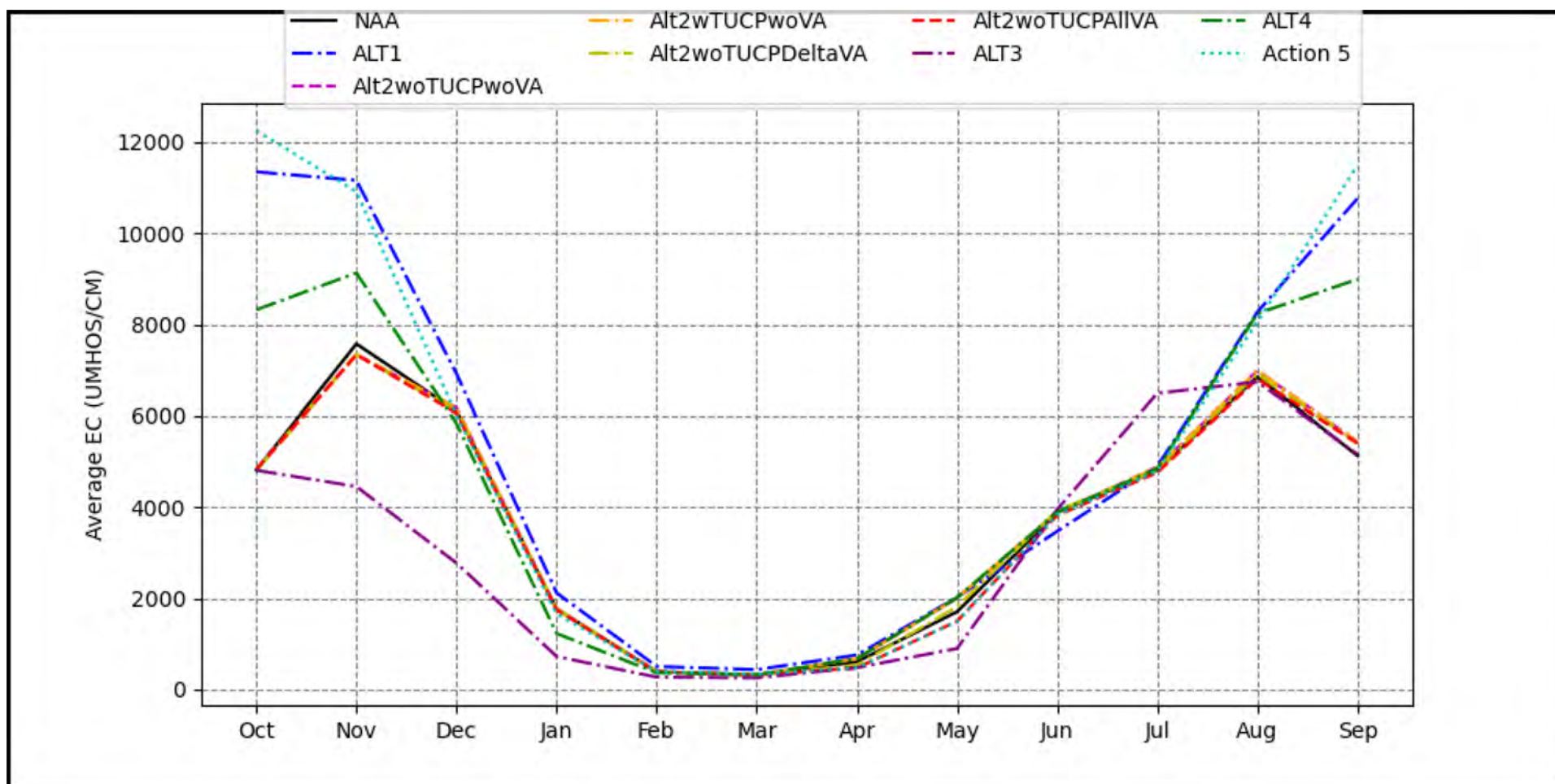


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-13-14 Sacramento River at Mallard Slough Salinity, Wet Year Average EC (UMHOS/CM)

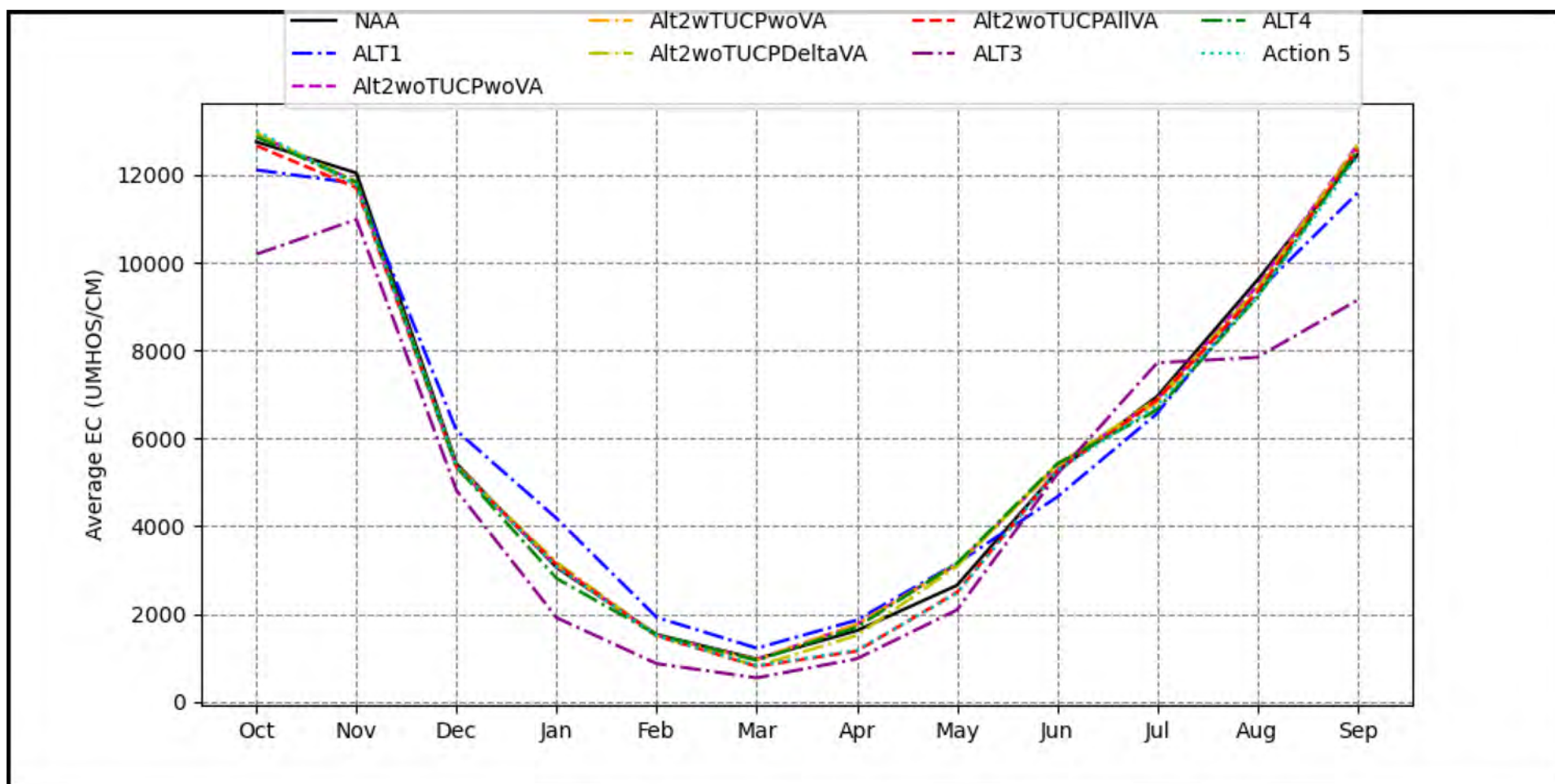


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-13-15 Sacramento River at Mallard Slough Salinity, Above Normal Year Average EC (UMHOS/CM)

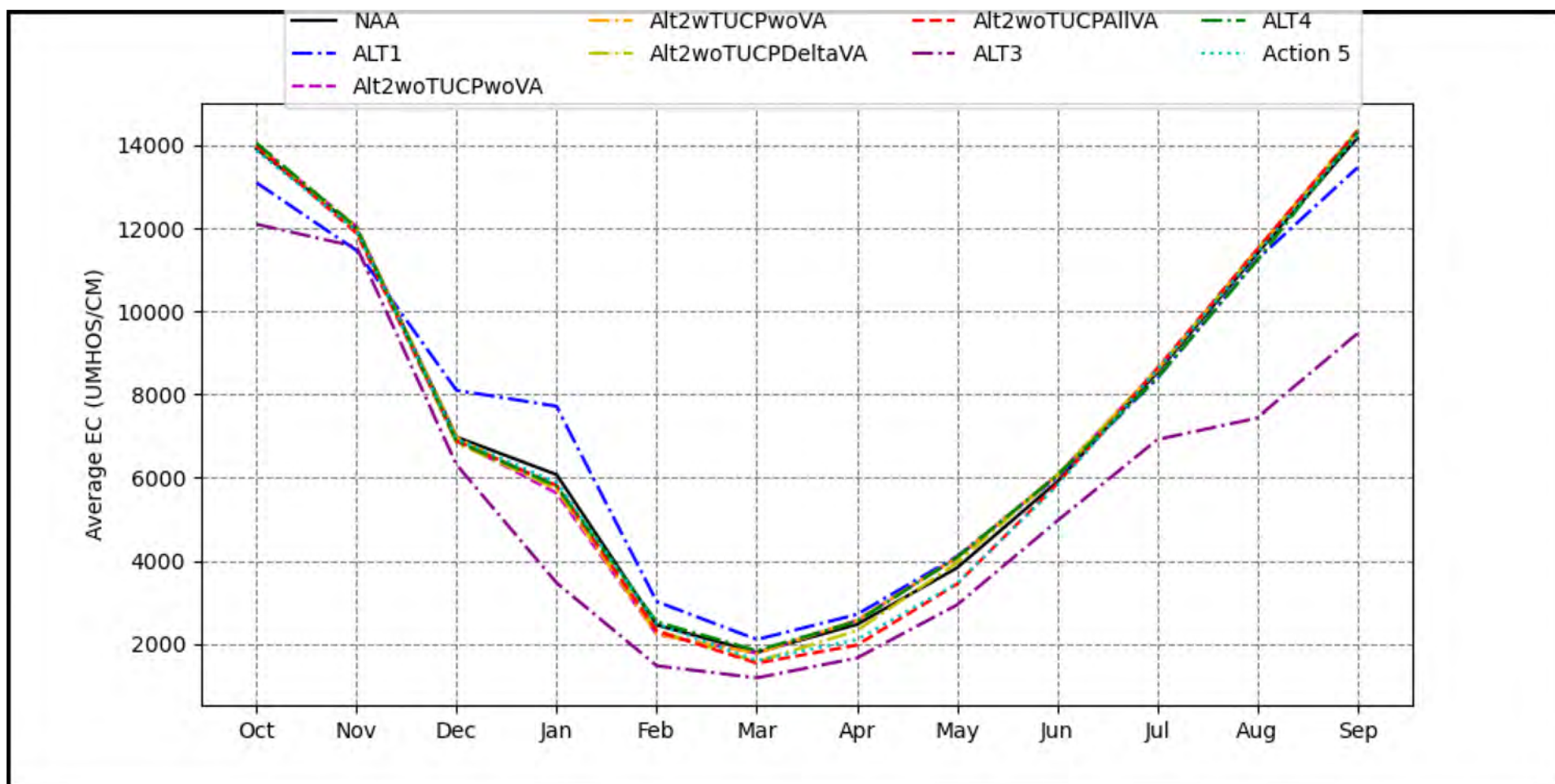


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-13-16 Sacramento River at Mallard Slough Salinity, Below Normal Year Average EC (UMHOS/CM)

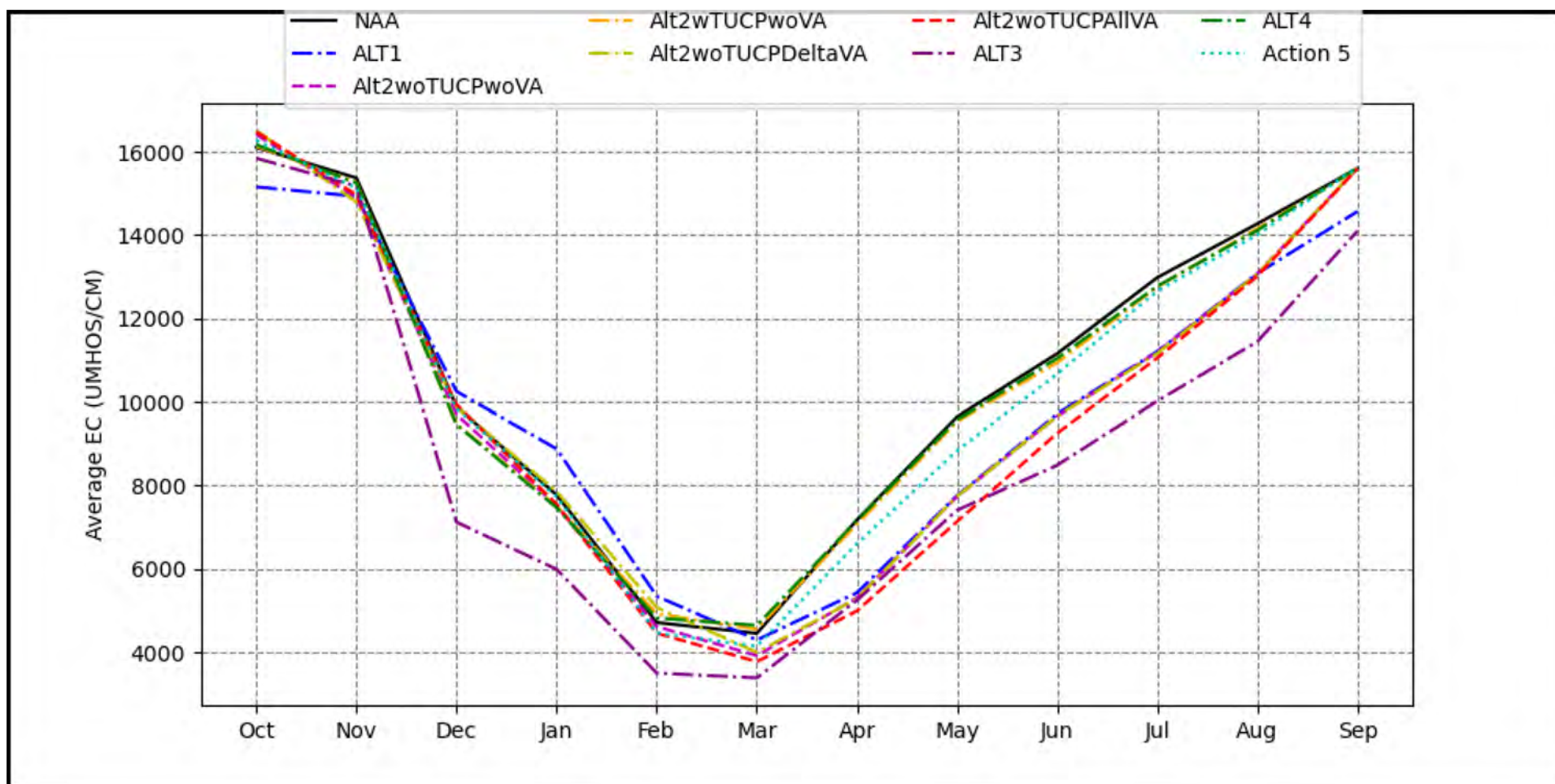


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-13-17 Sacramento River at Mallard Slough Salinity, Dry Year Average EC (UMHOS/CM)



*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-13-18 Sacramento River at Mallard Slough Salinity, Critical Year Average EC (UMHOS/CM)

F.2.5-14 Sacramento River at Collinsville Salinity

Table F.2.5-14-1 a. Sacramento River at Collinsville Salinity, NAA, Monthly EC (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 Years (27.7%)	2,264	3,782	3,238	260	188	210	242	460	1,338	2,041	3,499	2,459
Above Normal Years (13.9%)	2,334	4,491	3,687	1,036	253	216	297	763	1,934	2,371	3,802	2,514
Below Normal Years (17.8%)	8,675	8,159	3,362	1,683	725	427	737	1,250	2,899	3,882	5,995	8,377
Dry Years (23.8%)	9,752	8,314	4,486	3,594	1,252	841	1,122	1,886	3,251	5,079	7,498	9,939
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-14-1 b. Sacramento River at Collinsville Salinity, ALT1, Monthly EC (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 Years (27.7%)	6,436	6,016	3,802	371	195	217	272	534	1,149	2,154	4,629	6,080
Above Normal Years (13.9%)	7,251	7,435	4,318	1,192	297	252	344	921	1,628	2,410	4,810	6,647
Below Normal Years (17.8%)	7,977	7,911	3,963	2,406	929	525	846	1,540	2,417	3,594	5,657	7,460
Dry Years (23.8%)	8,911	7,769	5,339	4,721	1,541	976	1,244	2,049	3,318	4,957	7,339	9,234
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-14-1 c. Sacramento River at Collinsville Salinity, ALT1 Minus NAA, Monthly EC (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 Years (27.7%)	4,171	2,234	564	111	7	8	30	73	-189	113	1,130	3,622
Above Normal Years (13.9%)	4,917	2,944	631	157	44	36	47	159	-305	39	1,008	4,134
Below Normal Years (17.8%)	-697	-248	601	723	204	99	110	290	-483	-287	-337	-917
Dry Years (23.8%)	-841	-546	853	1,128	289	136	122	163	66	-122	-160	-704
Critical Years (15.8%)	-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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-14-2 a. Sacramento River at Collinsville Salinity, NAA, Monthly EC (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 Years (27.7%)	2,264	3,782	3,238	260	188	210	242	460	1,338	2,041	3,499	2,459
Above Normal Years (13.9%)	2,334	4,491	3,687	1,036	253	216	297	763	1,934	2,371	3,802	2,514
Below Normal Years (17.8%)	8,675	8,159	3,362	1,683	725	427	737	1,250	2,899	3,882	5,995	8,377
Dry Years (23.8%)	9,752	8,314	4,486	3,594	1,252	841	1,122	1,886	3,251	5,079	7,498	9,939
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-14-2 b. Sacramento River at Collinsville Salinity, Alt2woTUCPwoVA, Monthly EC (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 Years (27.7%)	2,274	3,775	3,226	251	187	211	256	531	1,343	2,106	3,663	2,521
Above Normal Years (13.9%)	2,360	4,332	3,749	1,034	254	216	318	916	1,925	2,400	3,840	2,675
Below Normal Years (17.8%)	8,828	7,993	3,315	1,710	716	423	804	1,528	2,961	3,815	5,810	8,539
Dry Years (23.8%)	9,817	8,361	4,414	3,269	1,122	829	1,173	2,034	3,363	5,132	7,565	10,080
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-14-2 c. Sacramento River at Collinsville Salinity, Alt2woTUCPwoVA Minus NAA, Monthly EC (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 Years (27.7%)	10	-7	-12	-9	0	1	14	71	5	66	164	63
Above Normal Years (13.9%)	26	-159	62	-2	1	0	20	153	-9	28	39	162
Below Normal Years (17.8%)	153	-166	-47	27	-9	-4	67	278	61	-67	-185	162
Dry Years (23.8%)	65	47	-72	-325	-130	-12	52	148	112	52	67	141
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-14-3 a. Sacramento River at Collinsville Salinity, NAA, Monthly EC (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 Years (27.7%)	2,264	3,782	3,238	260	188	210	242	460	1,338	2,041	3,499	2,459
Above Normal Years (13.9%)	2,334	4,491	3,687	1,036	253	216	297	763	1,934	2,371	3,802	2,514
Below Normal Years (17.8%)	8,675	8,159	3,362	1,683	725	427	737	1,250	2,899	3,882	5,995	8,377
Dry Years (23.8%)	9,752	8,314	4,486	3,594	1,252	841	1,122	1,886	3,251	5,079	7,498	9,939
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-14-3 b. Sacramento River at Collinsville Salinity, Alt2wTUCPwoVA, Monthly EC (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 Years (27.7%)	2,274	3,776	3,223	251	187	211	256	531	1,343	2,107	3,663	2,520
Above Normal Years (13.9%)	2,357	4,339	3,753	1,030	253	216	317	915	1,924	2,400	3,838	2,674
Below Normal Years (17.8%)	8,813	7,957	3,343	1,733	708	420	804	1,528	2,963	3,752	5,705	8,456
Dry Years (23.8%)	9,804	8,351	4,484	3,325	1,123	829	1,173	2,033	3,362	5,128	7,563	10,078
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-14-3 c. Sacramento River at Collinsville Salinity, Alt2wTUCPwoVA Minus NAA, Monthly EC (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 Years (27.7%)	9	-6	-15	-10	0	1	14	71	5	66	164	62
Above Normal Years (13.9%)	23	-152	65	-6	0	0	20	152	-10	29	37	161
Below Normal Years (17.8%)	139	-203	-19	50	-17	-7	67	278	64	-129	-290	79
Dry Years (23.8%)	52	36	-2	-268	-129	-12	52	147	110	49	65	139
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-14-4 a. Sacramento River at Collinsville Salinity, NAA, Monthly EC (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 Years (27.7%)	2,264	3,782	3,238	260	188	210	242	460	1,338	2,041	3,499	2,459
Above Normal Years (13.9%)	2,334	4,491	3,687	1,036	253	216	297	763	1,934	2,371	3,802	2,514
Below Normal Years (17.8%)	8,675	8,159	3,362	1,683	725	427	737	1,250	2,899	3,882	5,995	8,377
Dry Years (23.8%)	9,752	8,314	4,486	3,594	1,252	841	1,122	1,886	3,251	5,079	7,498	9,939
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-14-4 b. Sacramento River at Collinsville Salinity, Alt2woTUCPDeltaVA, Monthly EC (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 Years (27.7%)	2,279	3,764	3,249	263	188	210	251	529	1,359	2,083	3,651	2,517
Above Normal Years (13.9%)	2,363	4,322	3,685	1,040	254	216	272	818	1,959	2,356	3,790	2,652
Below Normal Years (17.8%)	8,832	7,978	3,305	1,765	713	365	681	1,512	2,995	3,824	5,729	8,544
Dry Years (23.8%)	9,802	8,308	4,351	3,361	1,179	716	1,046	1,966	3,378	5,128	7,536	10,070
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-14-4 c. Sacramento River at Collinsville Salinity, Alt2woTUCPDeltaVA Minus NAA, Monthly EC (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 Years (27.7%)	14	-19	10	2	0	0	9	69	21	42	152	59
Above Normal Years (13.9%)	29	-169	-2	4	1	1	-25	55	25	-15	-12	139
Below Normal Years (17.8%)	158	-181	-57	83	-12	-61	-56	262	96	-58	-265	167
Dry Years (23.8%)	50	-7	-135	-233	-73	-125	-76	80	127	49	38	131
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-14-5 a. Sacramento River at Collinsville Salinity, NAA, Monthly EC (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 Years (27.7%)	2,264	3,782	3,238	260	188	210	242	460	1,338	2,041	3,499	2,459
Above Normal Years (13.9%)	2,334	4,491	3,687	1,036	253	216	297	763	1,934	2,371	3,802	2,514
Below Normal Years (17.8%)	8,675	8,159	3,362	1,683	725	427	737	1,250	2,899	3,882	5,995	8,377
Dry Years (23.8%)	9,752	8,314	4,486	3,594	1,252	841	1,122	1,886	3,251	5,079	7,498	9,939
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-14-5 b. Sacramento River at Collinsville Salinity, Alt2woTUCPAIIVA, Monthly EC (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 Years (27.7%)	2,273	3,766	3,250	259	188	211	249	515	1,358	2,075	3,631	2,515
Above Normal Years (13.9%)	2,367	4,325	3,655	1,027	254	216	255	652	1,902	2,328	3,717	2,659
Below Normal Years (17.8%)	8,573	7,888	3,308	1,731	712	363	506	1,165	2,904	3,808	5,673	8,453
Dry Years (23.8%)	9,811	8,222	4,403	3,408	1,174	700	862	1,658	3,234	5,162	7,543	10,070
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-14-5 c. Sacramento River at Collinsville Salinity, Alt2woTUCPAIIVA Minus NAA, Monthly EC (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 Years (27.7%)	9	-16	12	-1	0	1	7	55	21	35	131	56
Above Normal Years (13.9%)	32	-165	-33	-9	1	0	-42	-111	-32	-44	-85	145
Below Normal Years (17.8%)	-102	-271	-54	49	-13	-64	-231	-85	4	-74	-322	75
Dry Years (23.8%)	59	-92	-83	-186	-78	-141	-260	-228	-17	82	45	131
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-14-6 a. Sacramento River at Collinsville Salinity, NAA, Monthly EC (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 Years (27.7%)	2,264	3,782	3,238	260	188	210	242	460	1,338	2,041	3,499	2,459
Above Normal Years (13.9%)	2,334	4,491	3,687	1,036	253	216	297	763	1,934	2,371	3,802	2,514
Below Normal Years (17.8%)	8,675	8,159	3,362	1,683	725	427	737	1,250	2,899	3,882	5,995	8,377
Dry Years (23.8%)	9,752	8,314	4,486	3,594	1,252	841	1,122	1,886	3,251	5,079	7,498	9,939
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-14-6 b. Sacramento River at Collinsville Salinity, ALT3, Monthly EC (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 Years (27.7%)	2,153	2,189	1,469	225	188	199	225	288	1,411	2,134	2,864	2,346
Above Normal Years (13.9%)	2,326	2,211	1,401	391	206	202	268	416	2,064	3,605	3,706	2,490
Below Normal Years (17.8%)	6,348	7,326	3,044	984	413	274	443	978	2,892	4,564	4,506	5,485
Dry Years (23.8%)	8,111	7,965	4,109	1,785	687	508	704	1,388	2,627	3,892	4,146	5,771
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-14-6 c. Sacramento River at Collinsville Salinity, ALT3 Minus NAA, Monthly EC (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 Years (27.7%)	-112	-1,593	-1,769	-35	0	-11	-16	-172	73	93	-635	-112
Above Normal Years (13.9%)	-8	-2,280	-2,286	-645	-47	-14	-29	-347	130	1,233	-96	-23
Below Normal Years (17.8%)	-2,326	-834	-318	-699	-312	-152	-294	-272	-8	683	-1,488	-2,892
Dry Years (23.8%)	-1,641	-349	-377	-1,809	-565	-333	-417	-498	-625	-1,187	-3,352	-4,168
Critical Years (15.8%)	-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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-14-7 a. Sacramento River at Collinsville Salinity, NAA, Monthly EC (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 Years (27.7%)	2,264	3,782	3,238	260	188	210	242	460	1,338	2,041	3,499	2,459
Above Normal Years (13.9%)	2,334	4,491	3,687	1,036	253	216	297	763	1,934	2,371	3,802	2,514
Below Normal Years (17.8%)	8,675	8,159	3,362	1,683	725	427	737	1,250	2,899	3,882	5,995	8,377
Dry Years (23.8%)	9,752	8,314	4,486	3,594	1,252	841	1,122	1,886	3,251	5,079	7,498	9,939
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-14-7 b. Sacramento River at Collinsville Salinity, ALT4, Monthly EC (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 Years (27.7%)	4,574	5,048	2,764	246	188	211	257	532	1,337	2,096	4,464	4,691
Above Normal Years (13.9%)	4,858	5,699	3,487	676	239	216	318	920	1,929	2,379	4,841	5,228
Below Normal Years (17.8%)	8,770	7,966	3,336	1,528	725	417	772	1,544	2,995	3,631	5,589	8,421
Dry Years (23.8%)	9,870	8,338	4,438	3,420	1,302	870	1,157	2,035	3,365	4,953	7,309	10,010
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-14-7 c. Sacramento River at Collinsville Salinity, ALT4 Minus NAA, Monthly EC (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 Years (27.7%)	2,310	1,266	-474	-15	0	2	15	72	-1	55	965	2,233
Above Normal Years (13.9%)	2,524	1,208	-200	-359	-14	0	21	157	-4	7	1,039	2,715
Below Normal Years (17.8%)	95	-193	-25	-154	0	-10	35	294	96	-251	-405	43
Dry Years (23.8%)	118	24	-48	-174	50	29	36	149	113	-127	-189	71
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-14-8 a. Sacramento River at Collinsville Salinity, NAA, Monthly EC (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 Years (27.7%)	2,264	3,782	3,238	260	188	210	242	460	1,338	2,041	3,499	2,459
Above Normal Years (13.9%)	2,334	4,491	3,687	1,036	253	216	297	763	1,934	2,371	3,802	2,514
Below Normal Years (17.8%)	8,675	8,159	3,362	1,683	725	427	737	1,250	2,899	3,882	5,995	8,377
Dry Years (23.8%)	9,752	8,314	4,486	3,594	1,252	841	1,122	1,886	3,251	5,079	7,498	9,939
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-14-8 b. Sacramento River at Collinsville Salinity, Action 5, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	11,629	10,753	8,216	6,253	2,690	1,887	2,631	4,748	7,772	8,334	9,224	11,111
20% Exceedance	10,525	10,053	7,261	4,847	1,529	962	1,642	2,265	3,815	5,590	8,034	10,473
30% Exceedance	10,256	9,609	6,529	2,482	753	423	919	2,009	3,444	4,938	7,387	9,924
40% Exceedance	9,965	9,021	5,892	1,306	434	347	502	1,554	3,053	4,407	6,569	9,350
50% Exceedance	9,605	8,701	3,908	841	291	295	434	1,035	2,712	3,561	5,379	8,588
60% Exceedance	9,058	8,194	2,277	455	211	215	271	702	2,478	2,674	4,981	7,986
70% Exceedance	8,250	7,543	1,008	215	195	196	234	482	2,094	2,421	4,814	7,314
80% Exceedance	7,447	6,710	650	190	186	189	199	241	1,377	2,229	4,633	6,462
90% Exceedance	6,468	3,002	346	184	182	183	186	191	793	2,015	4,348	6,070
Full Simulation Period Average^a	8,908	7,950	4,107	2,143	906	667	1,036	1,745	3,087	4,199	6,249	8,434
Wet Years (27.7%)	7,071	6,479	3,317	267	188	211	250	515	1,355	2,072	4,412	6,165
Above Normal Years (13.9%)	8,135	7,193	3,651	980	254	221	253	647	1,910	2,358	4,717	7,394
Below Normal Years (17.8%)	8,864	7,845	3,319	1,708	716	369	511	1,150	2,903	3,699	5,571	8,291
Dry Years (23.8%)	9,701	8,274	4,467	3,459	1,283	727	919	1,660	3,200	5,127	7,457	9,960
Critical Years (15.8%)	11,915	10,941	6,500	4,962	2,383	2,101	3,859	5,656	7,185	8,701	9,758	11,185

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-14-8 c. Sacramento River at Collinsville Salinity, Action 5 Minus NAA, Monthly EC (UMHOS/CM)

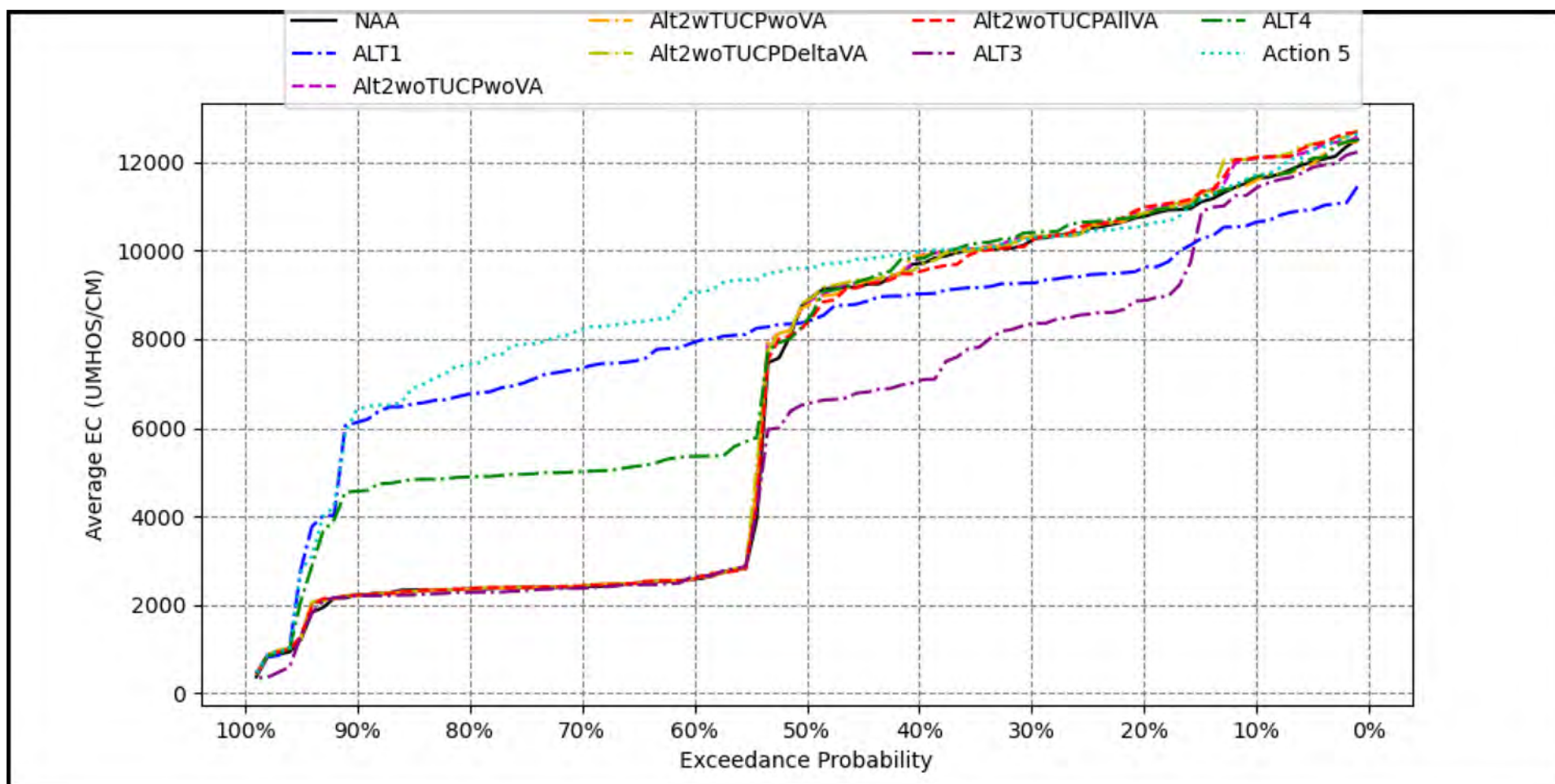
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	97	-388	97	-121	4	-351	-898	-879	86	-569	-698	46
20% Exceedance	-218	-59	98	-149	-186	-215	-521	-162	-228	50	109	52
30% Exceedance	92	-131	-56	-180	19	-50	-177	-200	50	-80	-80	-10
40% Exceedance	267	298	-94	-93	15	-14	-162	-246	-96	-222	-369	-170
50% Exceedance	765	3,262	-194	-9	17	-2	-24	-59	77	-148	-230	820
60% Exceedance	6,471	2,986	270	-1	-1	1	-29	-70	55	-103	830	5,122
70% Exceedance	5,837	2,585	-86	0	-1	0	-7	16	-39	8	977	4,700
80% Exceedance	5,088	2,527	31	-1	0	0	-1	-1	-3	8	993	3,948
90% Exceedance	4,234	731	-21	0	0	0	0	2	70	59	999	3,622
Full Simulation Period Average^a	2,272	1,077	14	-34	-30	-75	-172	-189	-75	-61	259	1,717
Wet Years (27.7%)	4,807	2,697	79	6	0	1	8	55	17	32	913	3,706
Above Normal Years (13.9%)	5,801	2,702	-36	-56	1	5	-44	-116	-24	-14	916	4,881
Below Normal Years (17.8%)	189	-315	-43	25	-9	-58	-226	-100	3	-183	-424	-86
Dry Years (23.8%)	-51	-40	-19	-135	31	-113	-203	-226	-52	47	-41	21
Critical Years (15.8%)	174	-273	13	-3	-223	-242	-495	-727	-402	-292	-242	43

^a Based on the 100-year simulation period.

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

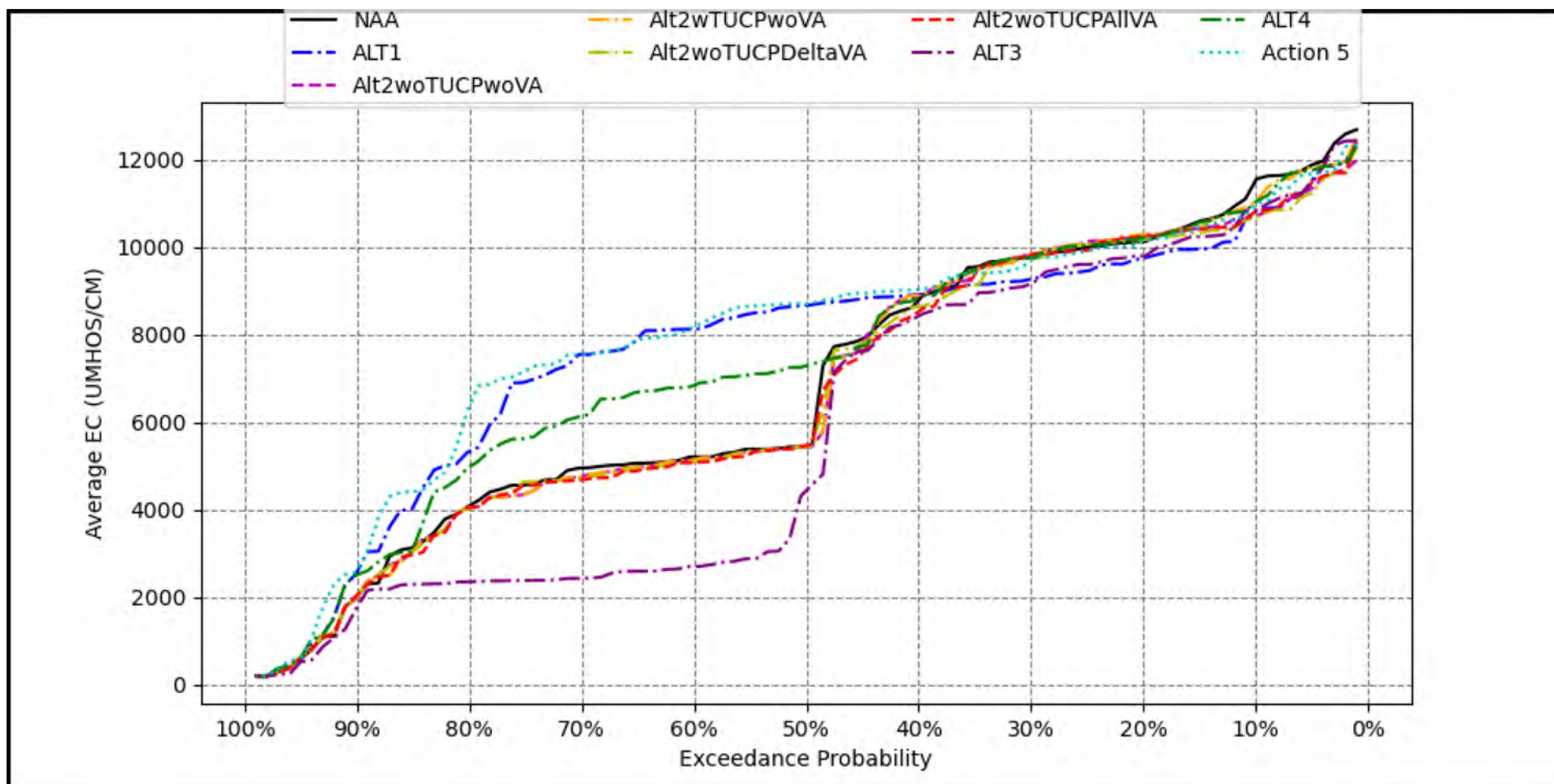
* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.



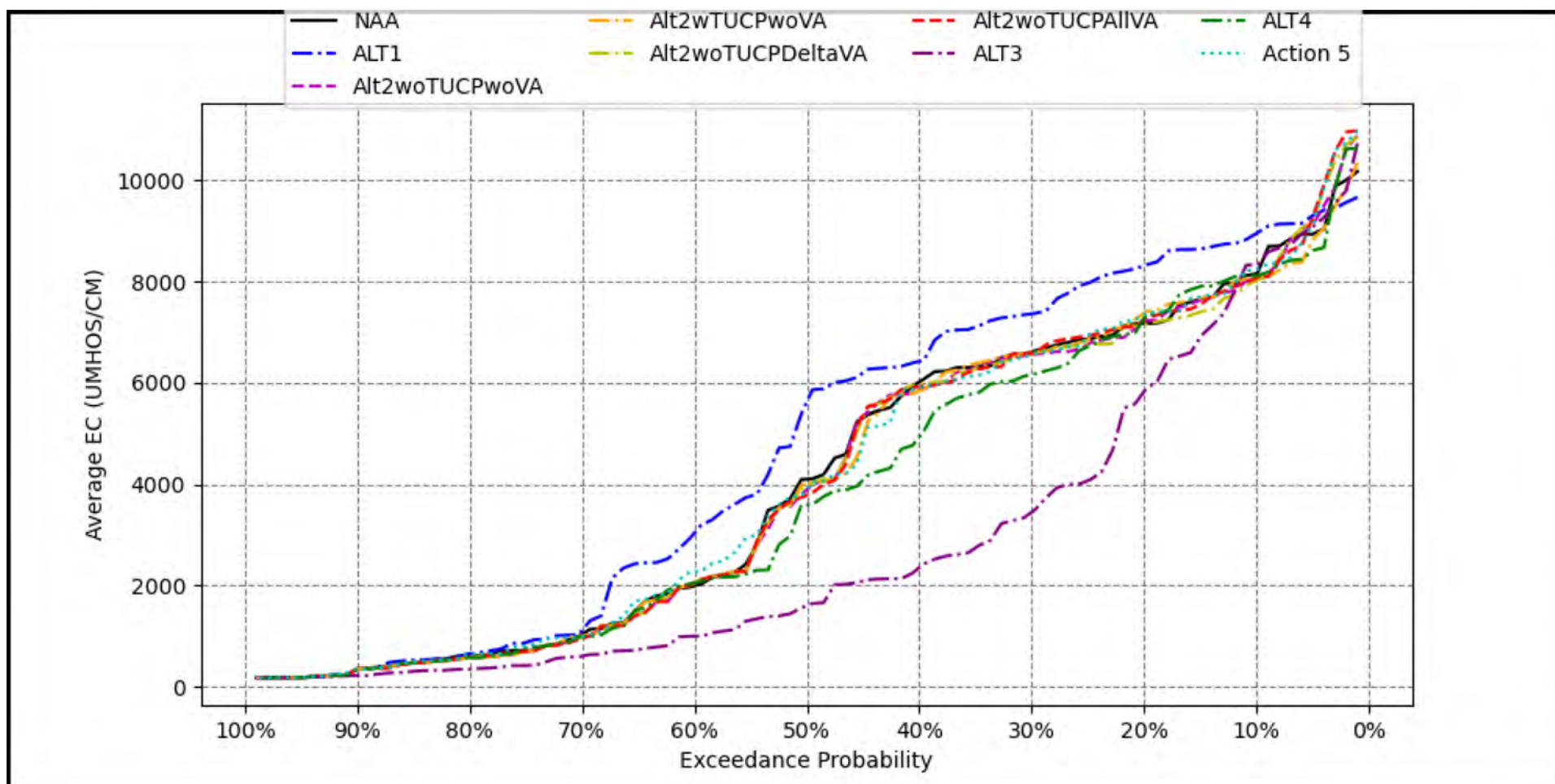
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-14-1 Sacramento River at Collinsville Salinity, October EC



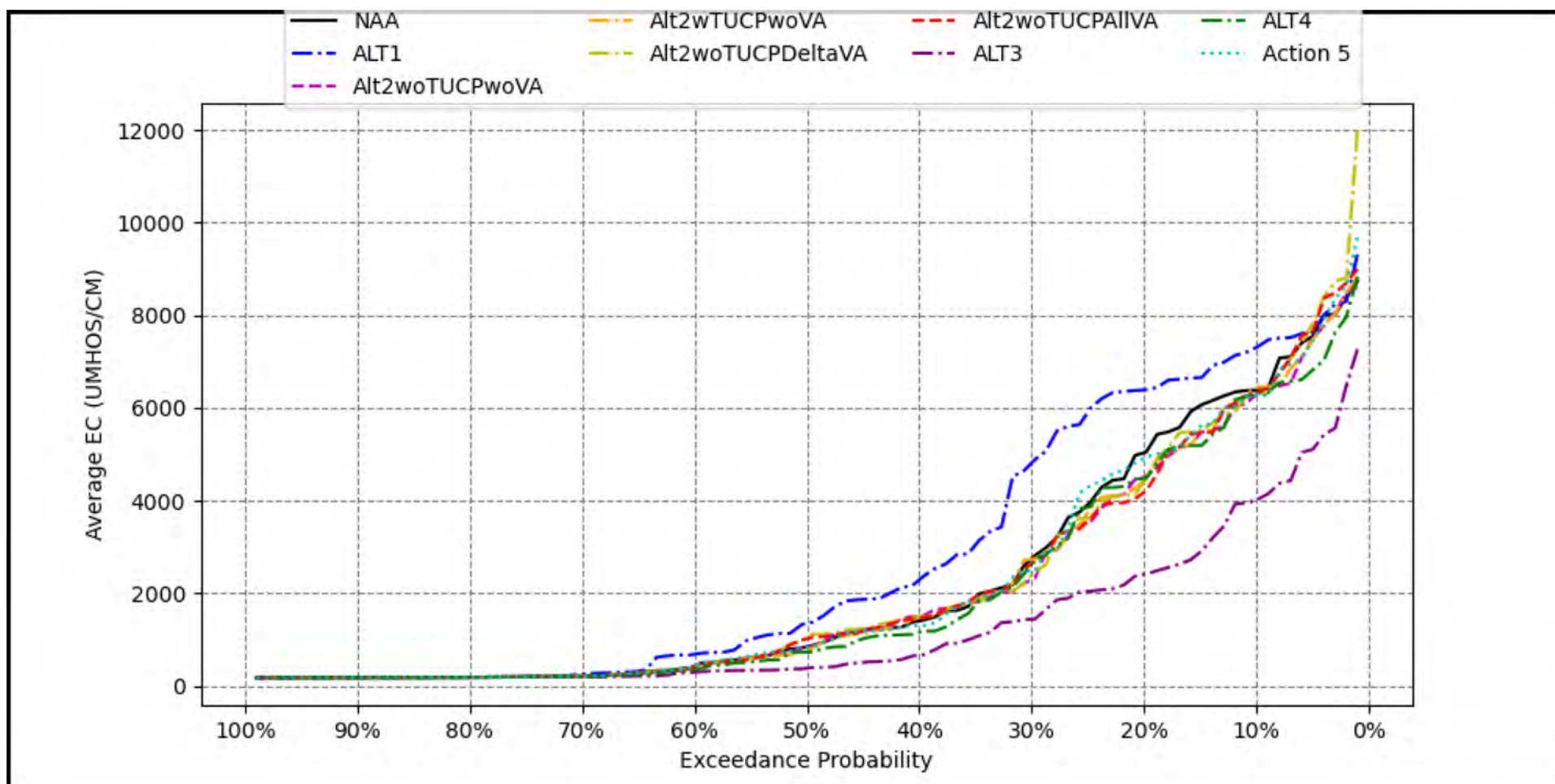
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-14-2 Sacramento River at Collinsville Salinity, November EC



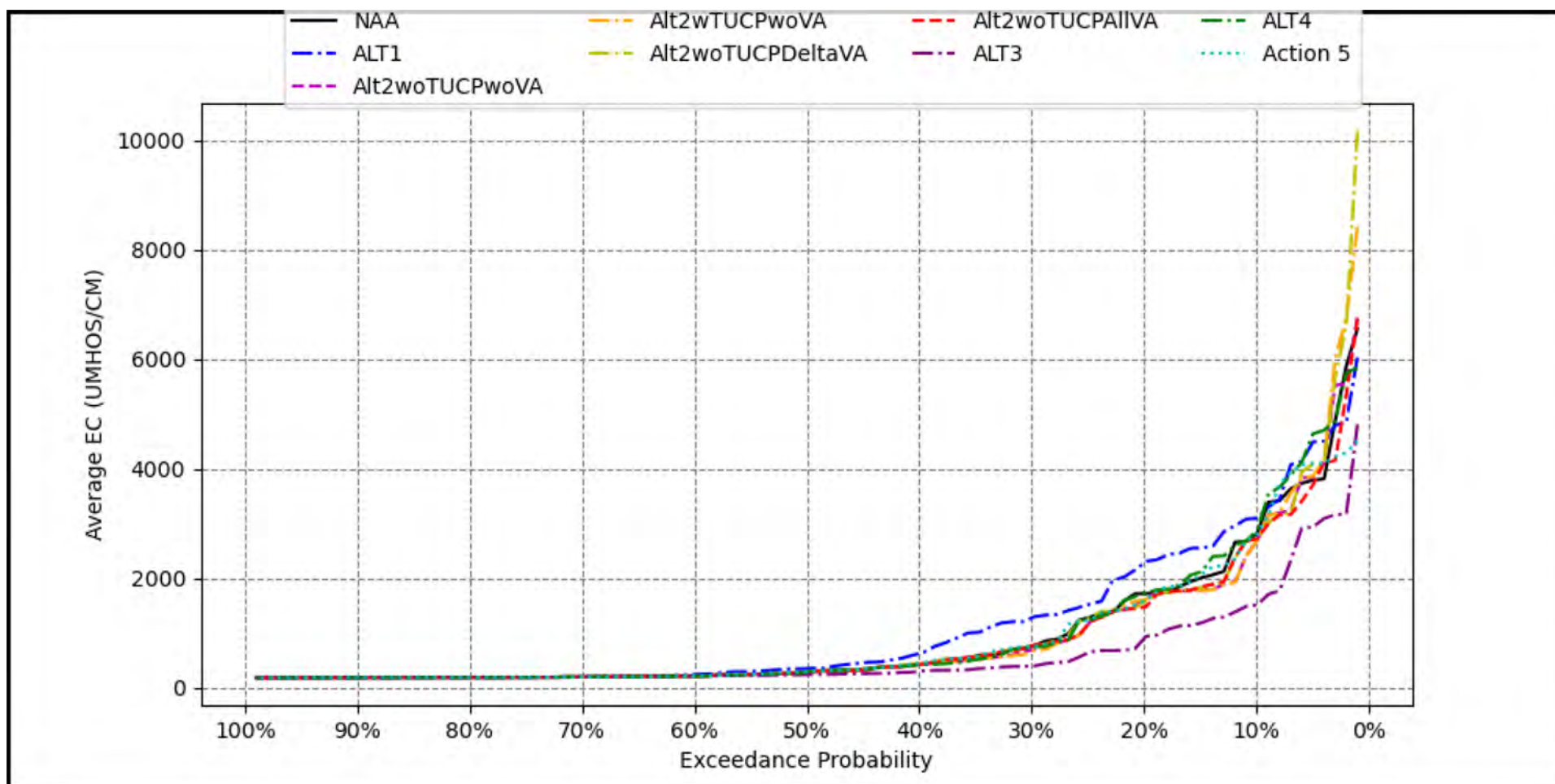
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-14-3 Sacramento River at Collinsville Salinity, December EC



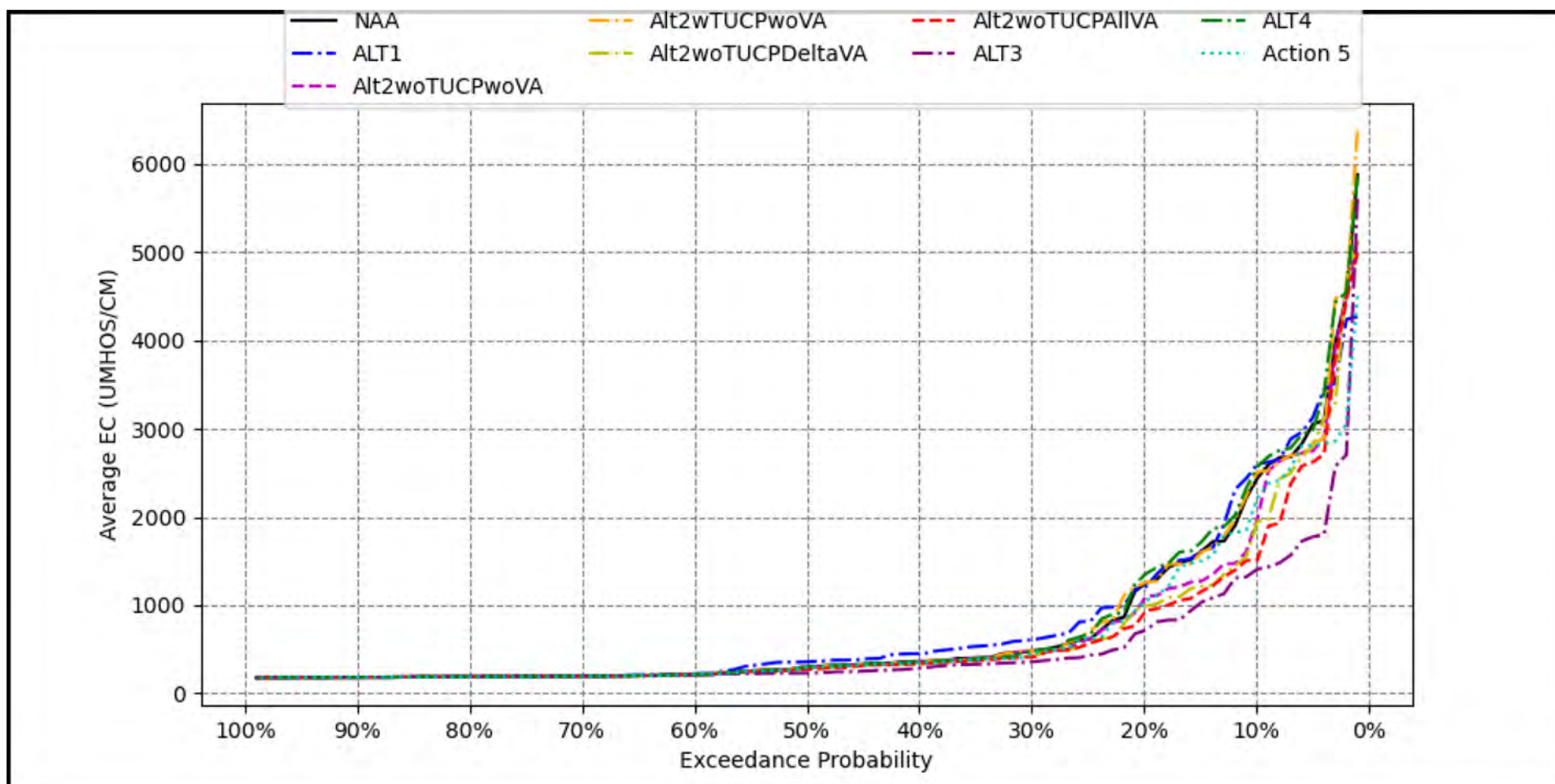
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-14-4 Sacramento River at Collinsville Salinity, January EC



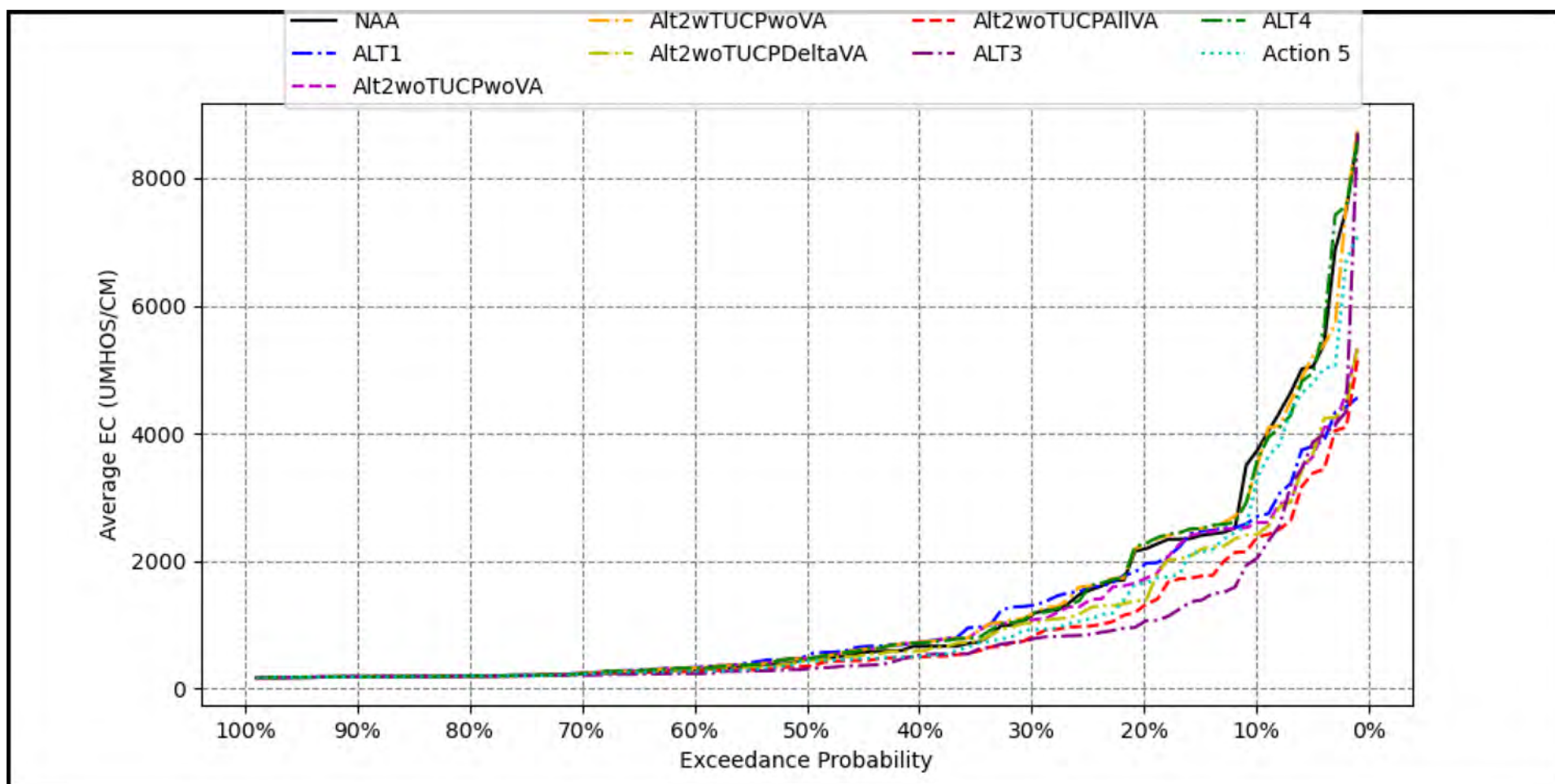
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-14-5 Sacramento River at Collinsville Salinity, February EC



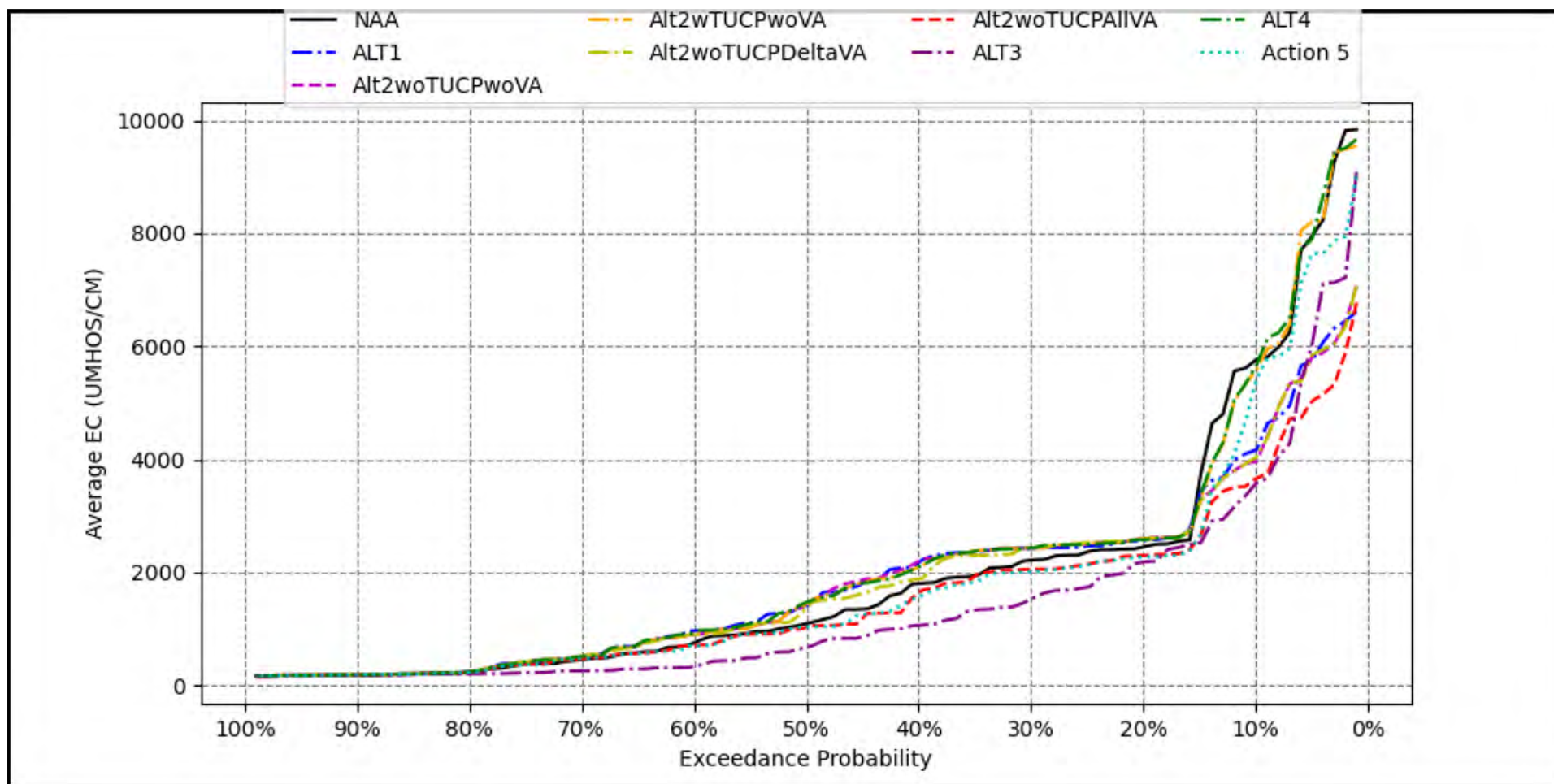
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-14-6 Sacramento River at Collinsville Salinity, March EC



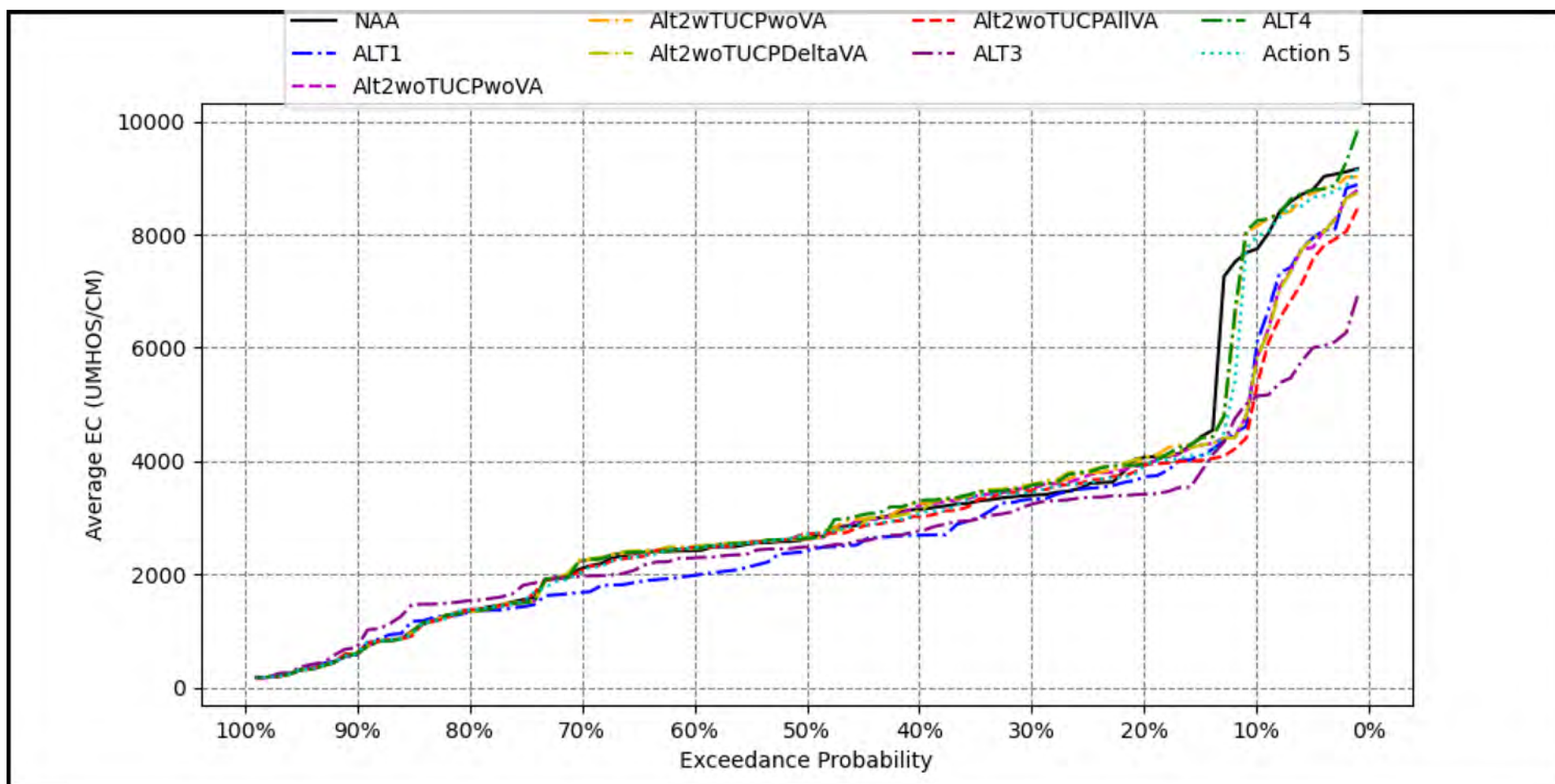
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-14-7 Sacramento River at Collinsville Salinity, April EC



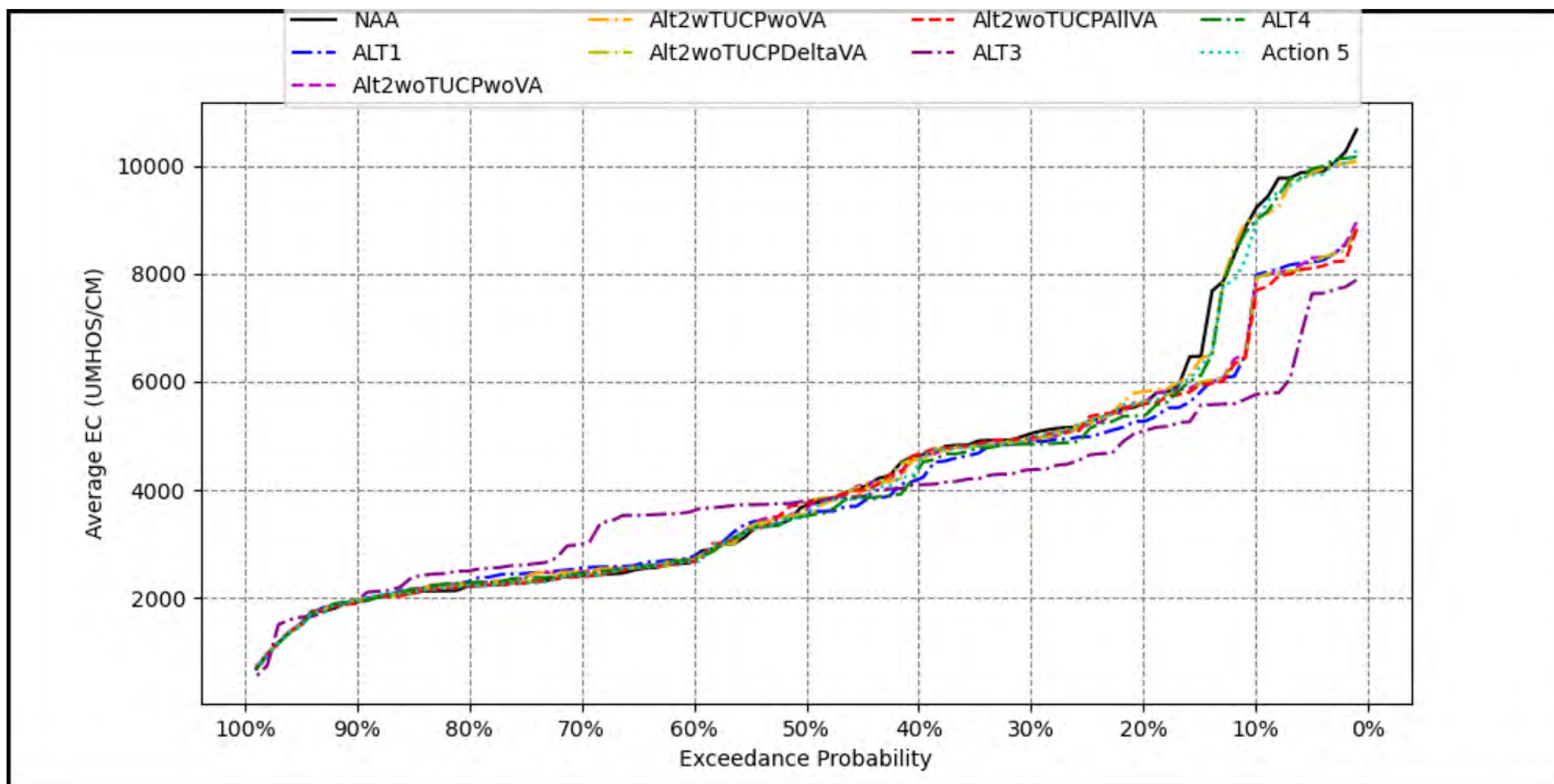
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-14-8 Sacramento River at Collinsville Salinity, May EC



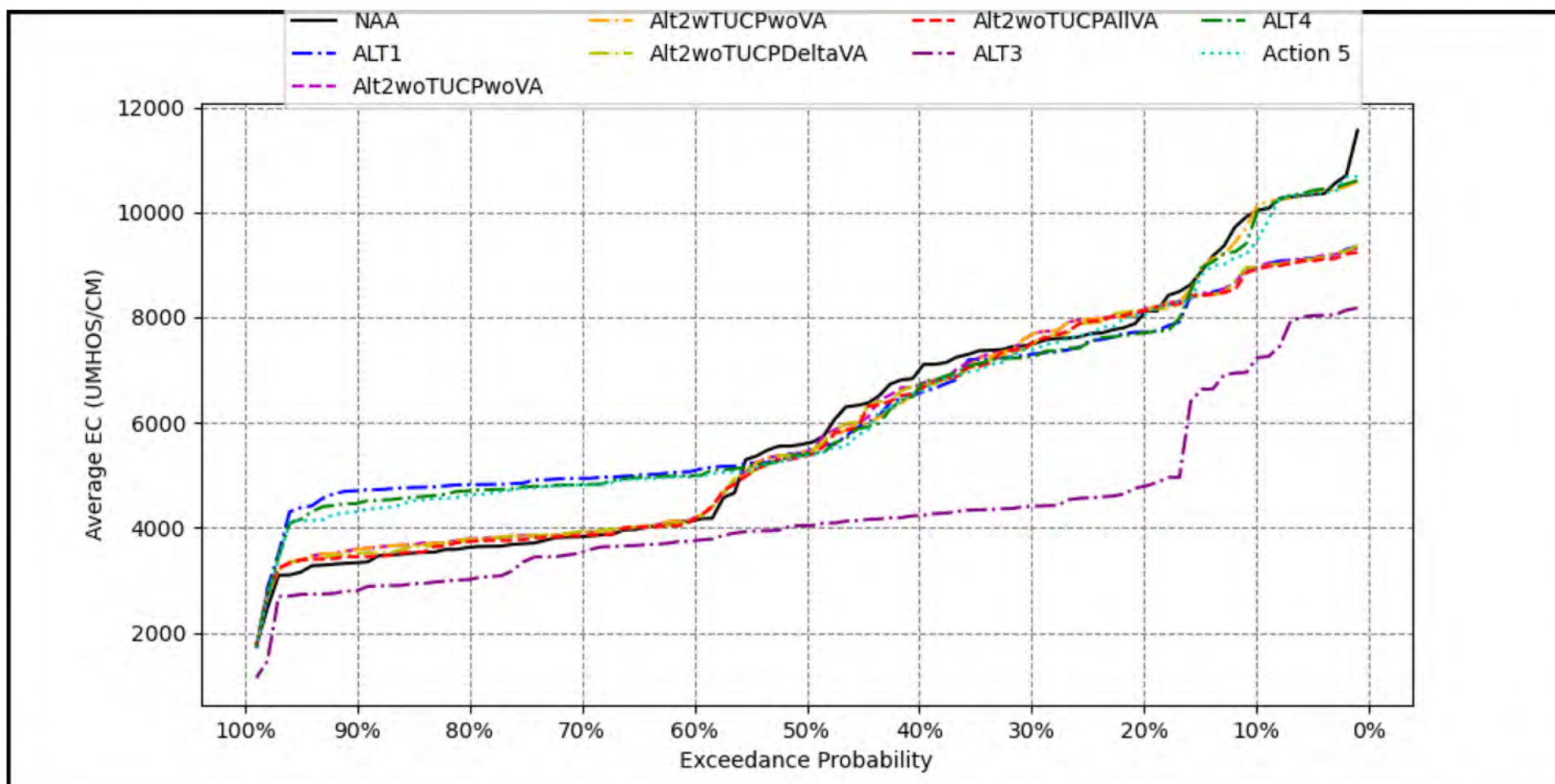
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-14-9 Sacramento River at Collinsville Salinity, June EC



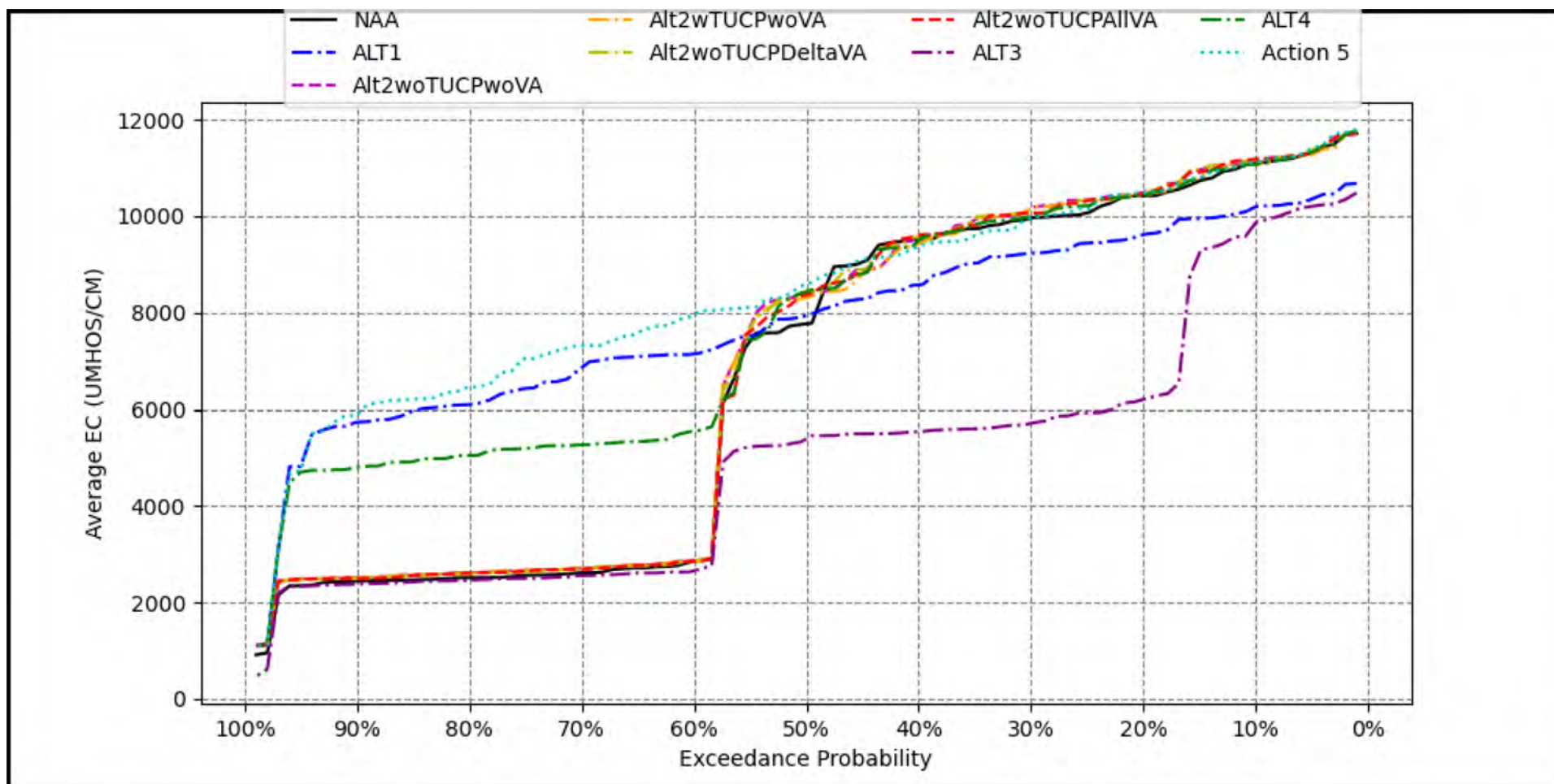
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-14-10 Sacramento River at Collinsville Salinity, July EC



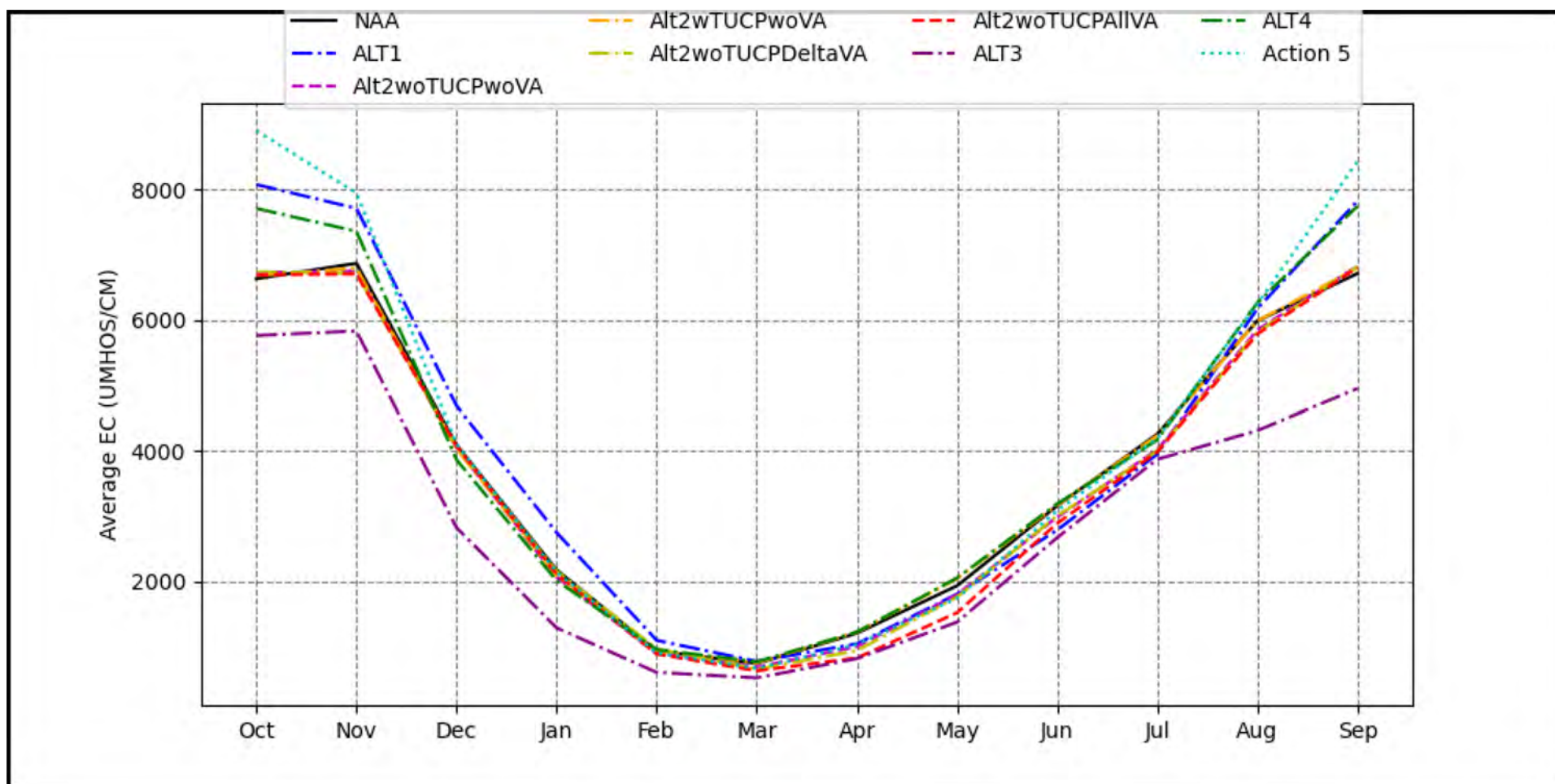
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-14-11 Sacramento River at Collinsville Salinity, August EC



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

Figure F.2.5-14-12 Sacramento River at Collinsville Salinity, September EC

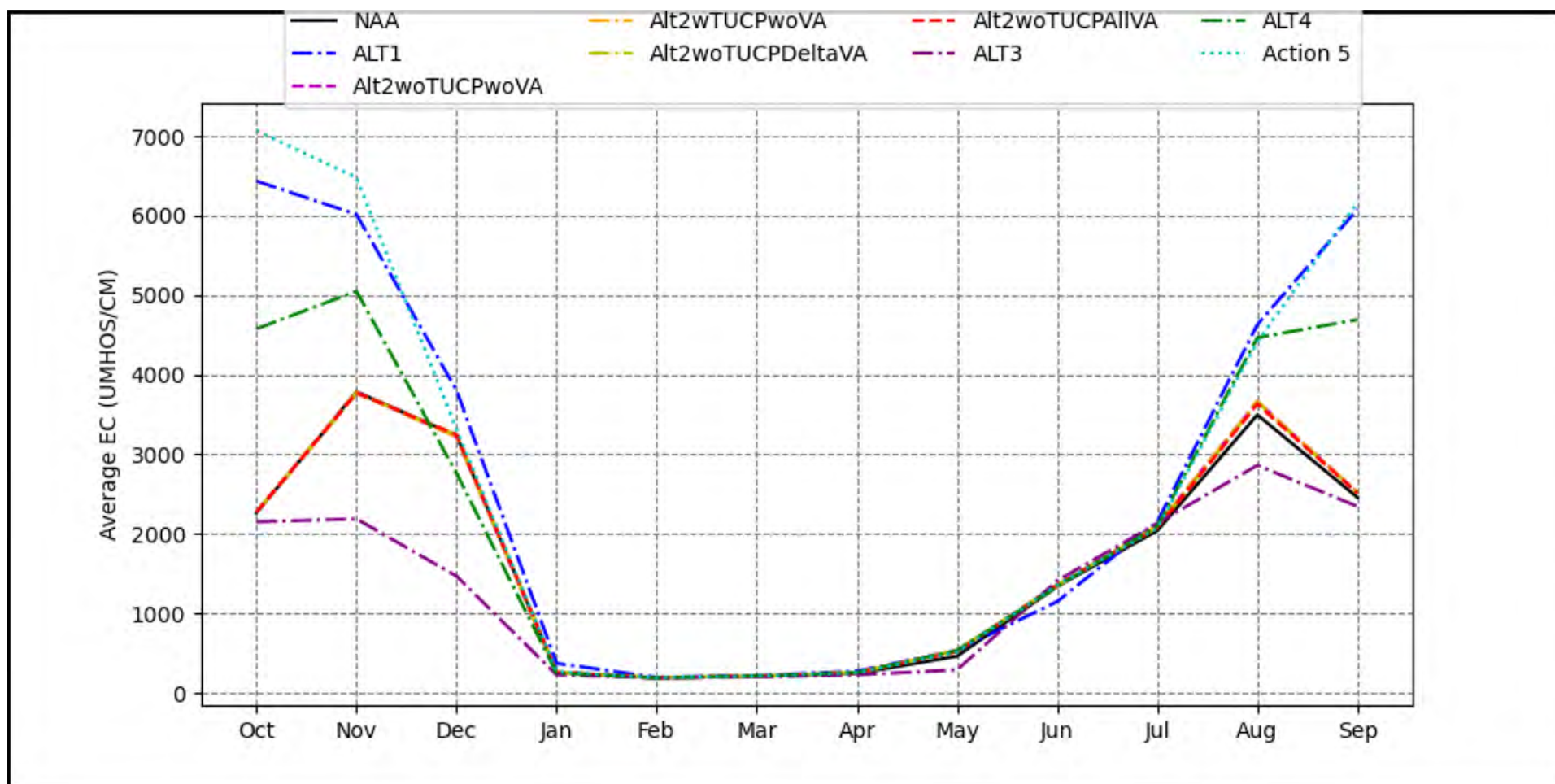


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-14-13 Sacramento River at Collinsville Salinity, Long Term Average EC (UMHOS/CM)

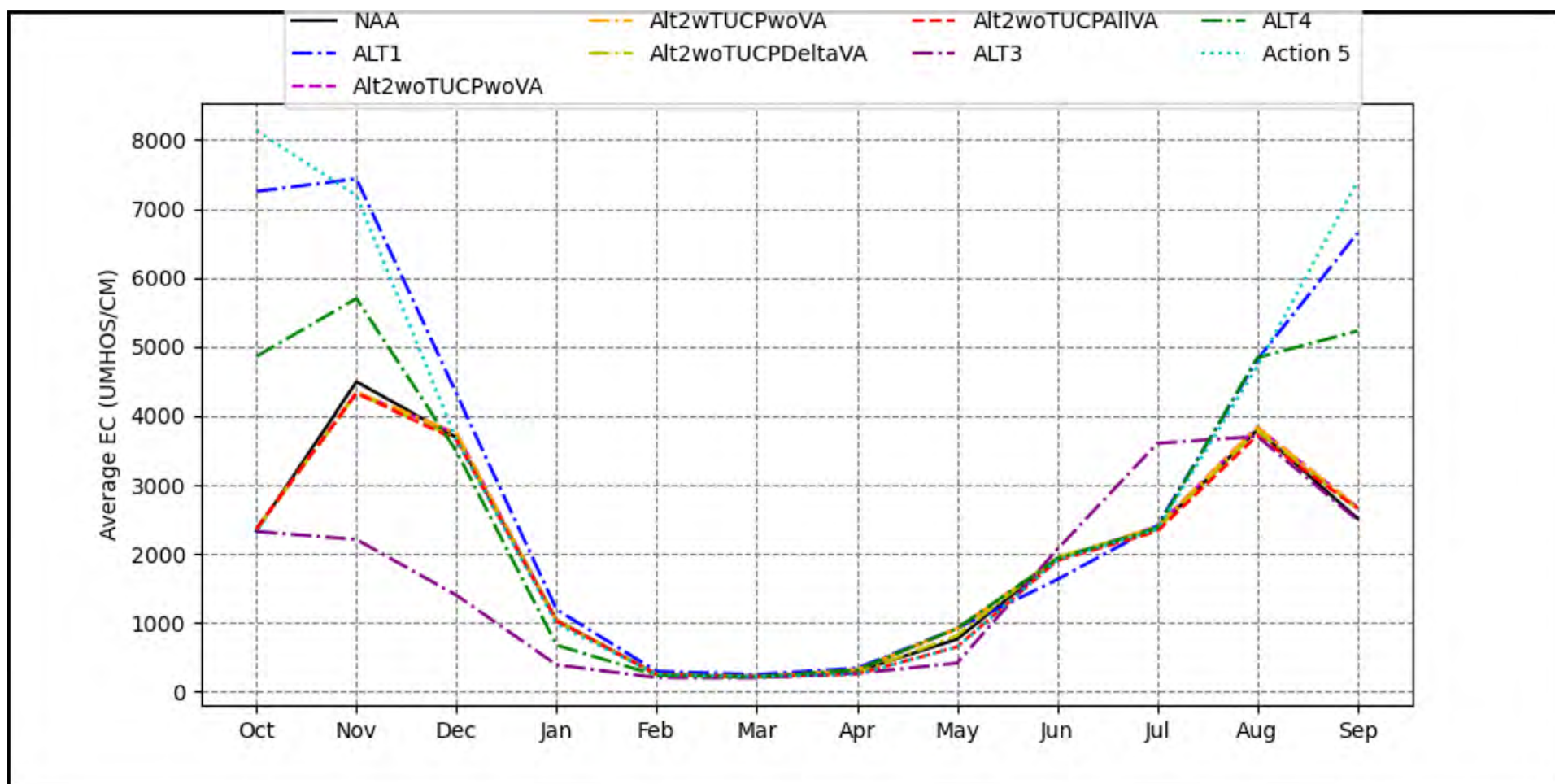


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-14-14 Sacramento River at Collinsville Salinity, Wet Year Average EC (UMHOS/CM)

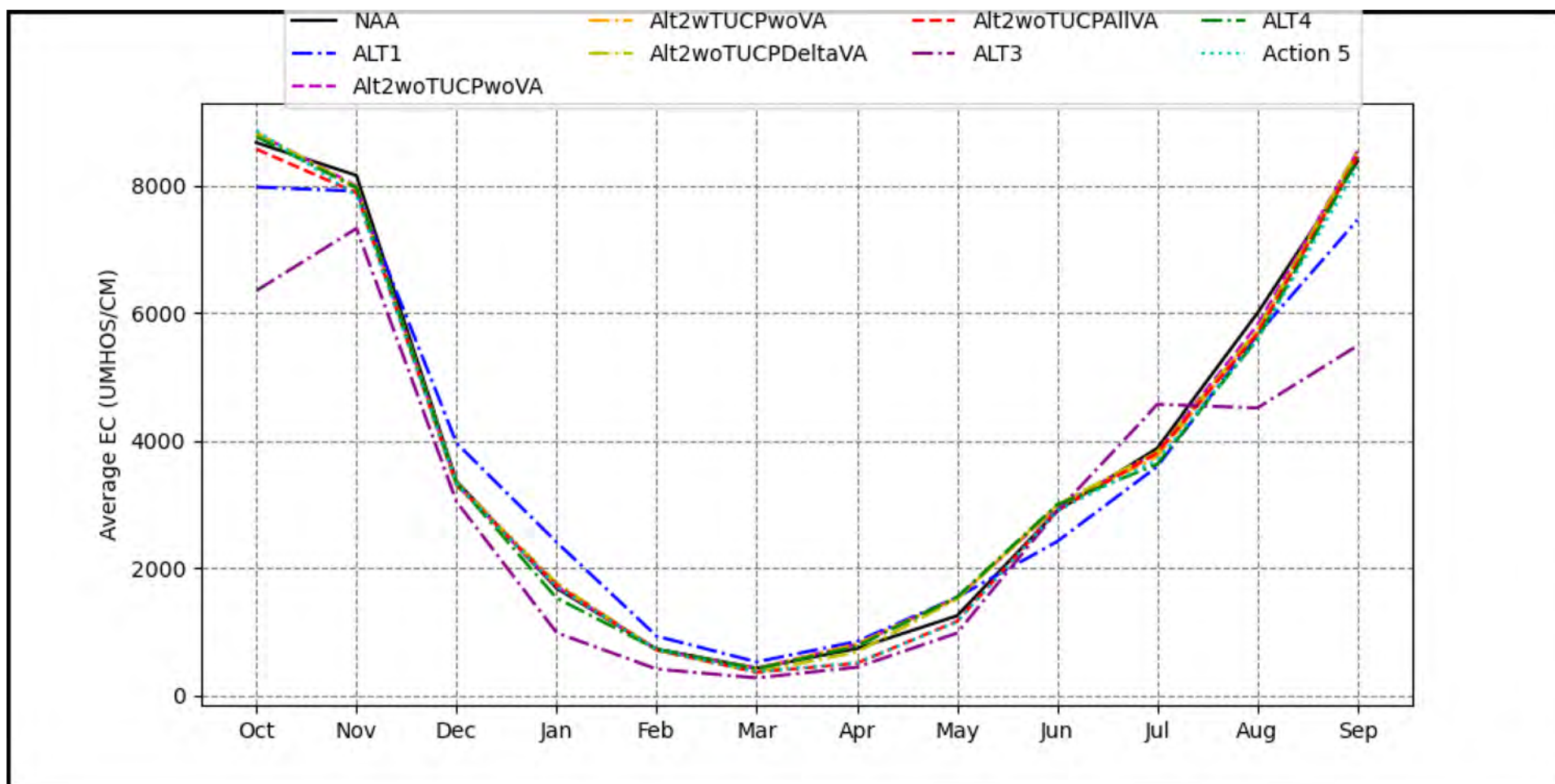


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-14-15 Sacramento River at Collinsville Salinity, Above Normal Year Average EC (UMHOS/CM)

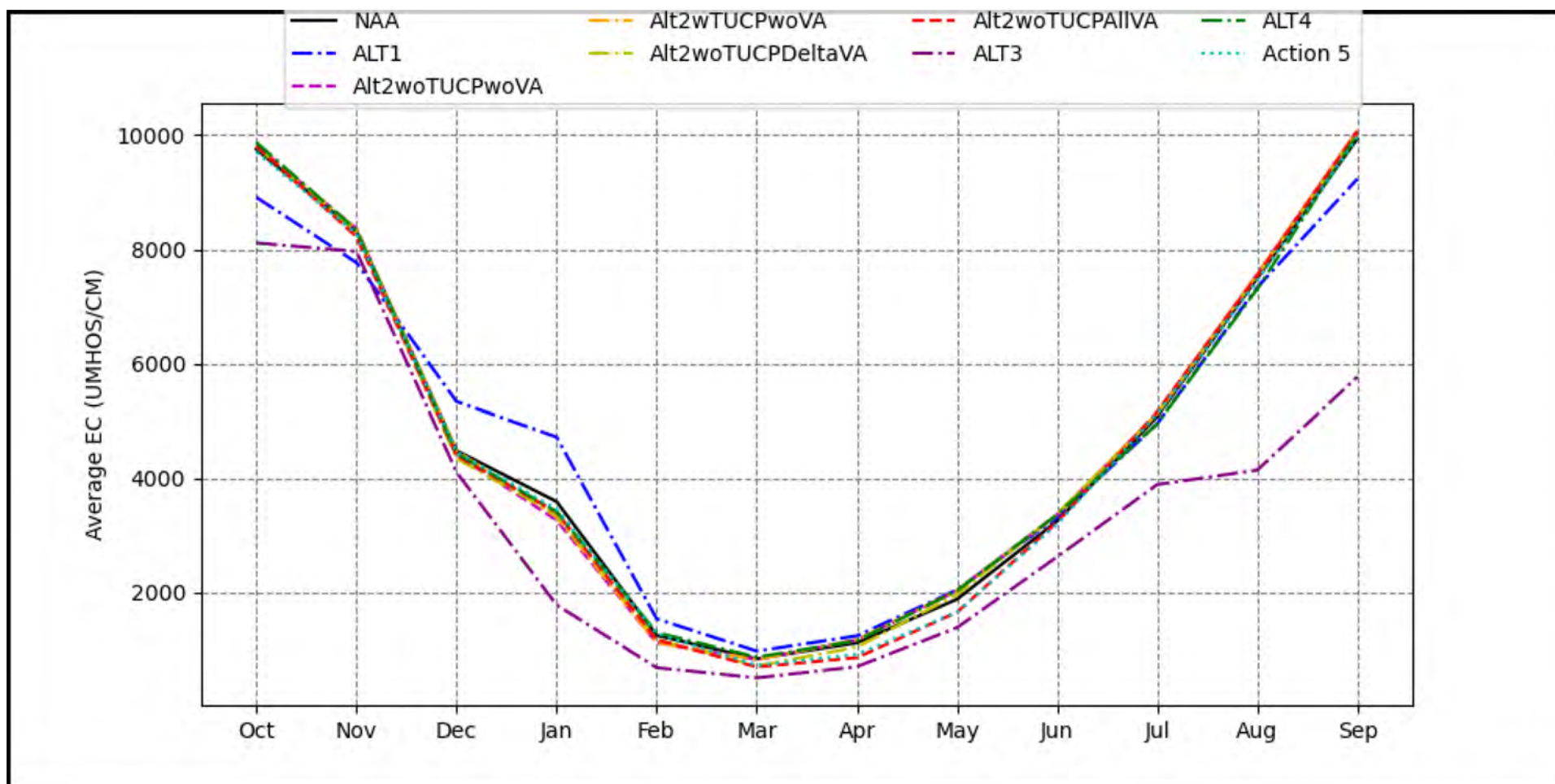


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-14-16 Sacramento River at Collinsville Salinity, Below Normal Year Average EC (UMHOS/CM)

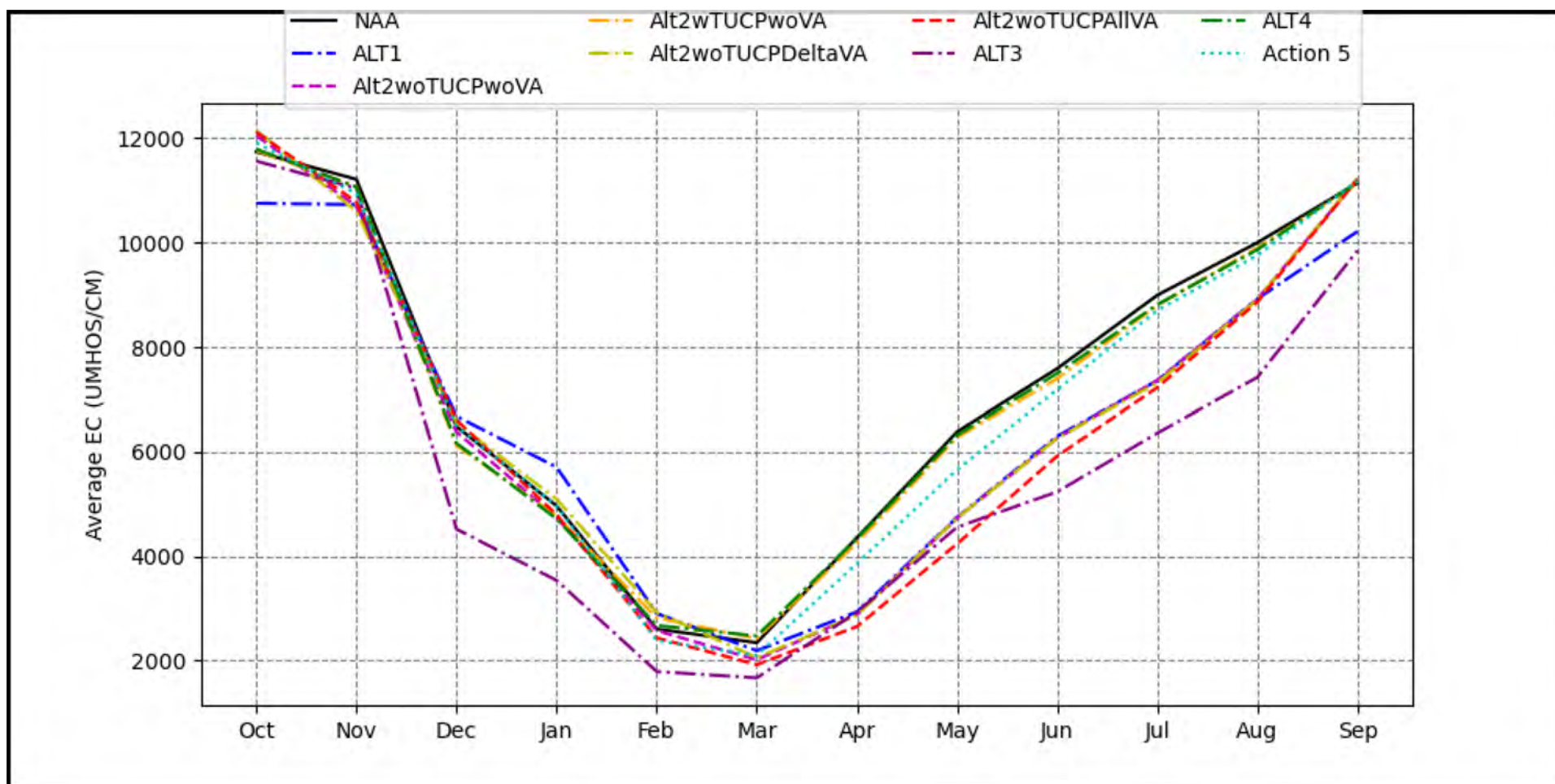


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-14-17 Sacramento River at Collinsville Salinity, Dry Year Average EC (UMHOS/CM)



*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-14-18 Sacramento River at Collinsville Salinity, Critical Year Average EC (UMHOS/CM)

F.2.5-15 Chipps Island North Channel Salinity

Table F.2.5-15-1 a. Chipps Island North Channel Salinity, NAA, Monthly EC (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 Years (27.7%)	5,559	7,400	6,030	492	233	329	491	1,159	3,257	5,060	7,566	6,068
Above Normal Years (13.9%)	5,725	8,547	6,874	2,035	457	383	773	2,101	4,587	5,645	7,813	6,101
Below Normal Years (17.8%)	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 Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-15-1 b. Chipps Island North Channel Salinity, ALT1, Monthly EC (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 Years (27.7%)	11,430	10,374	6,841	770	264	371	593	1,341	2,984	5,219	9,068	11,148
Above Normal Years (13.9%)	12,605	12,266	7,741	2,464	604	532	967	2,472	4,160	5,773	9,377	12,039
Below Normal Years (17.8%)	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 Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-15-1 c. Chipps Island North Channel Salinity, ALT1 Minus NAA, Monthly EC (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 Years (27.7%)	5,870	2,974	811	278	32	43	102	182	-273	159	1,502	5,081
Above Normal Years (13.9%)	6,880	3,719	868	429	146	150	193	371	-427	128	1,564	5,938
Below Normal Years (17.8%)	-548	-162	818	1,246	461	300	285	566	-597	-357	-165	-791
Dry Years (23.8%)	-720	-439	1,202	1,790	672	376	281	306	130	-125	-99	-619
Critical Years (15.8%)	-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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-15-2 a. Chipps Island North Channel Salinity, NAA, Monthly EC (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 Years (27.7%)	5,559	7,400	6,030	492	233	329	491	1,159	3,257	5,060	7,566	6,068
Above Normal Years (13.9%)	5,725	8,547	6,874	2,035	457	383	773	2,101	4,587	5,645	7,813	6,101
Below Normal Years (17.8%)	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 Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-15-2 b. Chipps Island North Channel Salinity, Alt2woTUCPwoVA, Monthly EC (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 Years (27.7%)	5,581	7,390	6,018	466	233	334	547	1,337	3,284	5,162	7,808	6,188
Above Normal Years (13.9%)	5,703	8,287	6,932	2,035	460	383	865	2,451	4,595	5,730	8,003	6,422
Below Normal Years (17.8%)	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 Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-15-2 c. Chipps Island North Channel Salinity, Alt2woTUCPwoVA Minus NAA, Monthly EC (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 Years (27.7%)	22	-10	-11	-26	0	5	56	178	27	103	242	121
Above Normal Years (13.9%)	-22	-260	58	-1	2	1	92	350	9	85	190	321
Below Normal Years (17.8%)	167	-213	-87	39	-23	-15	169	536	132	-47	-83	223
Dry Years (23.8%)	86	53	-83	-472	-250	-25	113	276	167	66	118	188
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-15-3 a. Chipps Island North Channel Salinity, NAA, Monthly EC (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 Years (27.7%)	5,559	7,400	6,030	492	233	329	491	1,159	3,257	5,060	7,566	6,068
Above Normal Years (13.9%)	5,725	8,547	6,874	2,035	457	383	773	2,101	4,587	5,645	7,813	6,101
Below Normal Years (17.8%)	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 Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-15-3 b. Chipps Island North Channel Salinity, Alt2wTUCPwoVA, Monthly EC (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 Years (27.7%)	5,581	7,391	6,015	463	233	334	547	1,336	3,283	5,164	7,809	6,187
Above Normal Years (13.9%)	5,701	8,295	6,936	2,026	457	382	865	2,449	4,594	5,731	8,002	6,420
Below Normal Years (17.8%)	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 Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-15-3 c. Chipps Island North Channel Salinity, Alt2wTUCPwoVA Minus NAA, Monthly EC (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 Years (27.7%)	22	-9	-15	-29	0	5	56	177	26	104	243	120
Above Normal Years (13.9%)	-24	-253	62	-9	0	-1	91	348	7	86	190	320
Below Normal Years (17.8%)	140	-263	-56	58	-45	-24	168	535	136	-129	-194	136
Dry Years (23.8%)	72	41	-7	-382	-248	-25	113	273	165	64	117	186
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-15-4 a. Chipps Island North Channel Salinity, NAA, Monthly EC (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 Years (27.7%)	5,559	7,400	6,030	492	233	329	491	1,159	3,257	5,060	7,566	6,068
Above Normal Years (13.9%)	5,725	8,547	6,874	2,035	457	383	773	2,101	4,587	5,645	7,813	6,101
Below Normal Years (17.8%)	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 Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-15-4 b. Chipps Island North Channel Salinity, Alt2woTUCPDeltaVA, Monthly EC (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 Years (27.7%)	5,586	7,390	6,035	494	233	329	523	1,327	3,310	5,124	7,787	6,185
Above Normal Years (13.9%)	5,702	8,287	6,857	2,046	461	376	685	2,230	4,641	5,661	7,918	6,392
Below Normal Years (17.8%)	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 Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-15-4 c. Chipps Island North Channel Salinity, Alt2woTUCPDeltaVA Minus NAA, Monthly EC (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 Years (27.7%)	27	-10	6	2	1	0	32	168	53	64	221	118
Above Normal Years (13.9%)	-23	-260	-16	11	3	-7	-89	129	54	16	105	291
Below Normal Years (17.8%)	192	-207	-85	129	-29	-201	-125	479	184	-42	-150	215
Dry Years (23.8%)	65	-2	-140	-352	-151	-259	-167	139	170	73	111	173
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-15-5 a. Chipps Island North Channel Salinity, NAA, Monthly EC (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 Years (27.7%)	5,559	7,400	6,030	492	233	329	491	1,159	3,257	5,060	7,566	6,068
Above Normal Years (13.9%)	5,725	8,547	6,874	2,035	457	383	773	2,101	4,587	5,645	7,813	6,101
Below Normal Years (17.8%)	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 Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-15-5 b. Chipps Island North Channel Salinity, Alt2woTUCPAIIVA, Monthly EC (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 Years (27.7%)	5,579	7,395	6,040	485	233	331	516	1,296	3,305	5,112	7,756	6,179
Above Normal Years (13.9%)	5,711	8,290	6,822	2,015	459	377	603	1,864	4,519	5,609	7,802	6,396
Below Normal Years (17.8%)	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 Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-15-5 c. Chipps Island North Channel Salinity, Alt2woTUCPAIIVA Minus NAA, Monthly EC (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 Years (27.7%)	20	-4	10	-7	1	2	25	137	48	52	190	111
Above Normal Years (13.9%)	-14	-257	-51	-20	2	-6	-170	-237	-68	-36	-11	295
Below Normal Years (17.8%)	-89	-350	-89	74	-31	-210	-544	-185	21	-53	-235	126
Dry Years (23.8%)	70	-105	-99	-274	-163	-299	-572	-438	-58	107	119	172
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-15-6 a. Chipps Island North Channel Salinity, NAA, Monthly EC (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 Years (27.7%)	5,559	7,400	6,030	492	233	329	491	1,159	3,257	5,060	7,566	6,068
Above Normal Years (13.9%)	5,725	8,547	6,874	2,035	457	383	773	2,101	4,587	5,645	7,813	6,101
Below Normal Years (17.8%)	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 Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-15-6 b. Chipps Island North Channel Salinity, ALT3, Monthly EC (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 Years (27.7%)	5,373	5,124	3,303	376	221	266	396	630	3,284	5,123	6,451	5,834
Above Normal Years (13.9%)	5,703	5,266	3,288	876	312	292	600	1,132	4,629	7,446	7,753	6,127
Below Normal Years (17.8%)	11,370	12,034	5,372	2,282	1,089	698	1,234	2,544	5,970	8,717	8,922	10,287
Dry Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-15-6 c. Chipps Island North Channel Salinity, ALT3 Minus NAA, Monthly EC (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 Years (27.7%)	-186	-2,276	-2,727	-116	-12	-62	-95	-529	27	63	-1,115	-234
Above Normal Years (13.9%)	-22	-3,281	-3,585	-1,159	-145	-90	-174	-969	42	1,800	-59	26
Below Normal Years (17.8%)	-2,554	-1,094	-695	-1,270	-780	-543	-764	-652	-82	803	-1,739	-3,356
Dry Years (23.8%)	-1,830	-445	-746	-2,792	-1,106	-702	-932	-1,007	-1,014	-1,664	-4,004	-4,698
Critical Years (15.8%)	-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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-15-7 a. Chipps Island North Channel Salinity, NAA, Monthly EC (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 Years (27.7%)	5,559	7,400	6,030	492	233	329	491	1,159	3,257	5,060	7,566	6,068
Above Normal Years (13.9%)	5,725	8,547	6,874	2,035	457	383	773	2,101	4,587	5,645	7,813	6,101
Below Normal Years (17.8%)	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 Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-15-7 b. Chipps Island North Channel Salinity, ALT4, Monthly EC (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 Years (27.7%)	9,032	9,159	5,378	450	235	338	551	1,337	3,271	5,145	8,854	9,426
Above Normal Years (13.9%)	9,424	10,173	6,583	1,455	434	386	868	2,460	4,603	5,697	9,286	10,181
Below Normal Years (17.8%)	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 Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-15-7 c. Chipps Island North Channel Salinity, ALT4 Minus NAA, Monthly EC (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 Years (27.7%)	3,473	1,760	-652	-42	2	10	60	178	14	85	1,288	3,358
Above Normal Years (13.9%)	3,699	1,626	-290	-580	-24	3	94	359	17	52	1,473	4,080
Below Normal Years (17.8%)	111	-208	-88	-273	-3	-44	95	563	190	-284	-342	79
Dry Years (23.8%)	138	29	-103	-298	83	46	87	277	174	-112	-122	160
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-15-8 a. Chipps Island North Channel Salinity, NAA, Monthly EC (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 Years (27.7%)	5,559	7,400	6,030	492	233	329	491	1,159	3,257	5,060	7,566	6,068
Above Normal Years (13.9%)	5,725	8,547	6,874	2,035	457	383	773	2,101	4,587	5,645	7,813	6,101
Below Normal Years (17.8%)	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 Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-15-8 b. Chipps Island North Channel Salinity, Action 5, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	17,179	16,002	12,839	10,788	6,166	4,857	6,094	8,854	12,438	13,623	14,743	16,701
20% Exceedance	16,047	15,275	12,193	9,074	3,959	2,852	3,905	5,230	7,558	10,180	13,062	15,862
30% Exceedance	15,721	14,835	11,397	5,703	1,937	1,465	2,656	4,843	7,138	9,544	12,568	15,297
40% Exceedance	15,430	14,356	10,629	3,270	1,262	1,080	1,637	4,046	6,396	8,777	11,696	14,790
50% Exceedance	15,069	13,924	7,944	2,380	681	749	1,379	2,971	5,979	7,680	10,016	13,900
60% Exceedance	14,616	13,399	5,451	1,266	376	398	771	2,083	5,594	6,225	9,620	13,356
70% Exceedance	13,774	12,828	2,575	423	221	262	521	1,538	4,959	5,850	9,352	12,684
80% Exceedance	12,895	11,843	1,422	228	200	206	304	630	3,546	5,450	9,084	11,955
90% Exceedance	11,714	6,925	676	193	188	187	209	368	2,316	5,078	8,687	11,278
Full Simulation Period Average^a	14,172	12,734	7,269	4,026	1,996	1,597	2,322	3,719	6,132	8,149	11,055	13,763
Wet Years (27.7%)	12,081	10,897	6,154	501	235	338	522	1,295	3,299	5,106	8,772	11,226
Above Normal Years (13.9%)	13,429	11,964	6,759	1,913	469	400	611	1,855	4,533	5,646	9,093	12,690
Below Normal Years (17.8%)	14,186	12,867	5,999	3,568	1,830	1,051	1,477	2,987	6,067	7,729	10,310	13,605
Dry Years (23.8%)	15,027	12,954	7,682	6,680	2,935	1,974	2,597	4,130	6,692	9,682	12,609	15,409
Critical Years (15.8%)	17,439	16,258	10,813	8,575	5,195	4,895	7,508	9,800	11,724	13,835	15,277	16,850

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-15-8 c. Chipps Island North Channel Salinity, Action 5 Minus NAA, Monthly EC (UMHOS/CM)

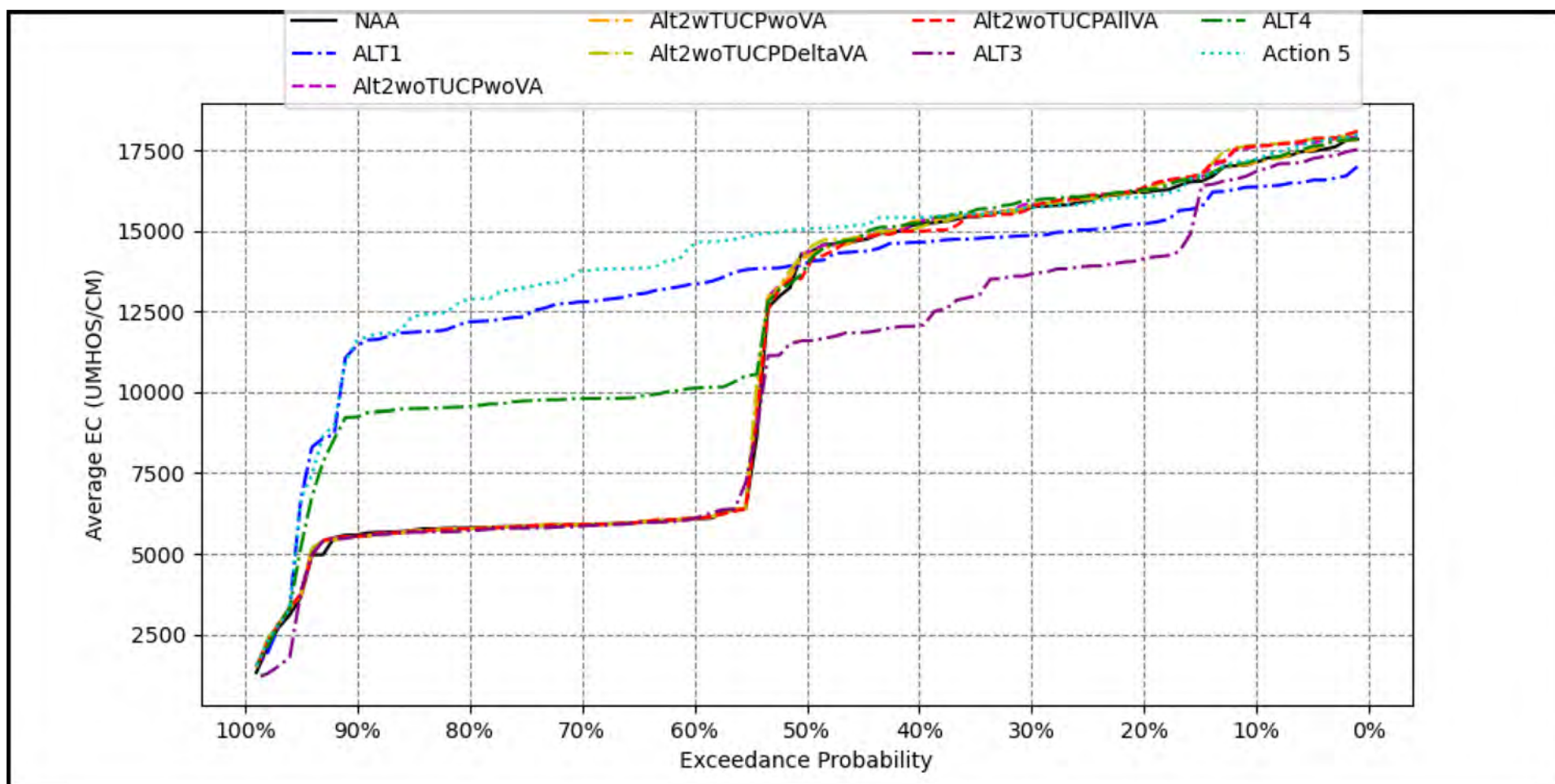
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	119	-336	-172	-213	14	-460	-1,227	-996	-1	-458	-760	46
20% Exceedance	-160	-19	-25	-417	-217	-511	-1,125	-361	-224	176	24	72
30% Exceedance	29	-153	-221	-296	-9	-29	-364	-388	141	9	98	-51
40% Exceedance	224	506	-171	-242	17	-68	-427	-446	-132	-386	-278	-122
50% Exceedance	743	3,782	-148	56	-16	-5	-70	-215	114	-141	-252	816
60% Exceedance	8,527	3,751	679	-13	18	5	-144	-168	84	-160	1,186	6,713
70% Exceedance	7,857	3,429	103	-10	0	-1	-47	52	-13	107	1,319	6,345
80% Exceedance	7,082	3,485	63	-5	0	2	-7	-15	1	33	1,428	5,757
90% Exceedance	6,074	1,781	-64	0	-1	0	-7	41	93	79	1,363	5,223
Full Simulation Period Average^a	3,062	1,432	-2	-68	-38	-132	-299	-263	-98	-53	424	2,379
Wet Years (27.7%)	6,522	3,497	125	9	2	9	31	136	42	46	1,205	5,159
Above Normal Years (13.9%)	7,705	3,417	-115	-122	11	18	-163	-246	-53	1	1,280	6,589
Below Normal Years (17.8%)	263	-261	-68	16	-38	-190	-522	-209	15	-185	-351	-38
Dry Years (23.8%)	-48	-51	-53	-198	24	-221	-412	-412	-104	83	53	67
Critical Years (15.8%)	168	-223	-70	-56	-244	-312	-578	-815	-503	-328	-264	18

^a Based on the 100-year simulation period.

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

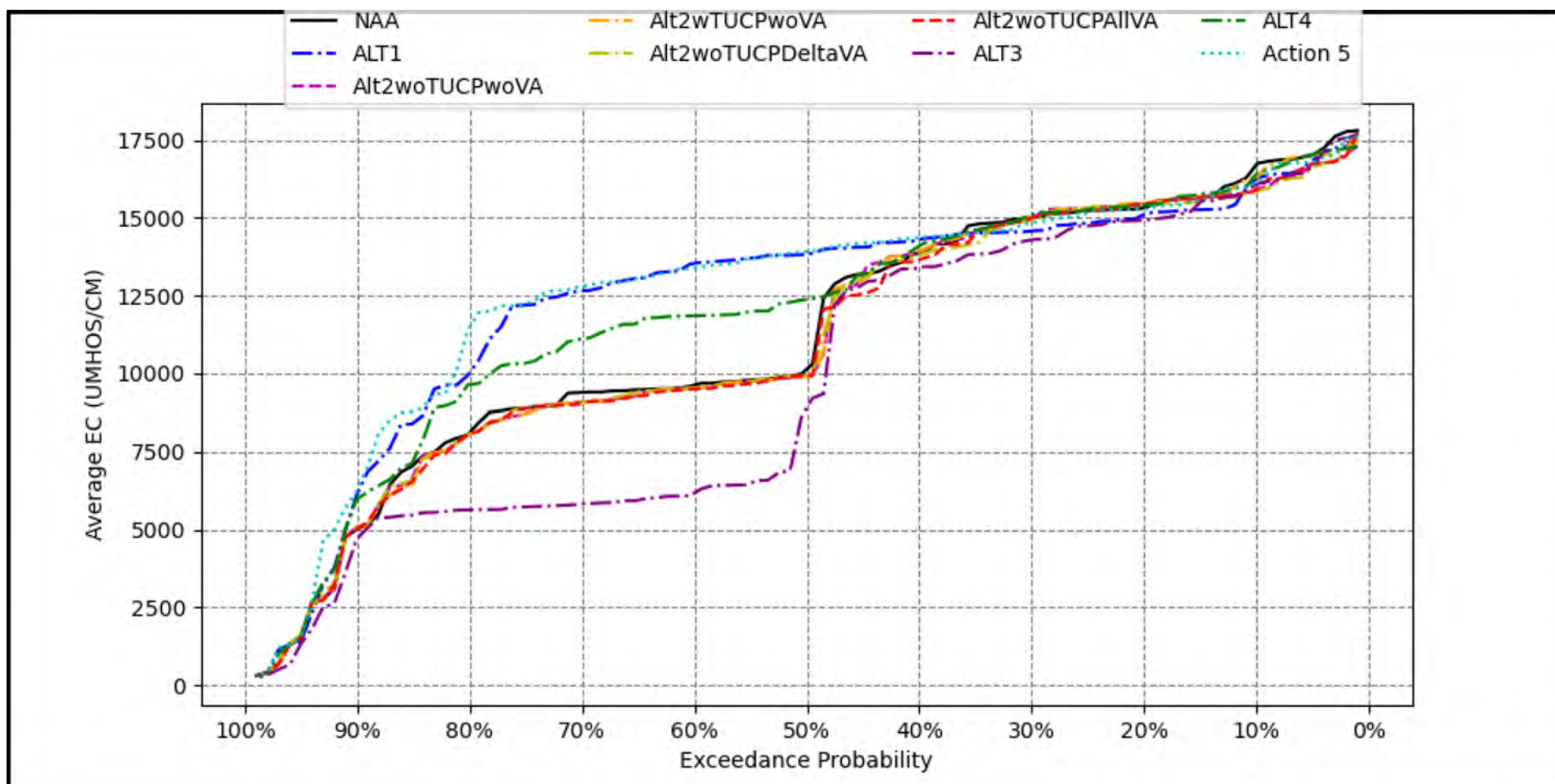
* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.



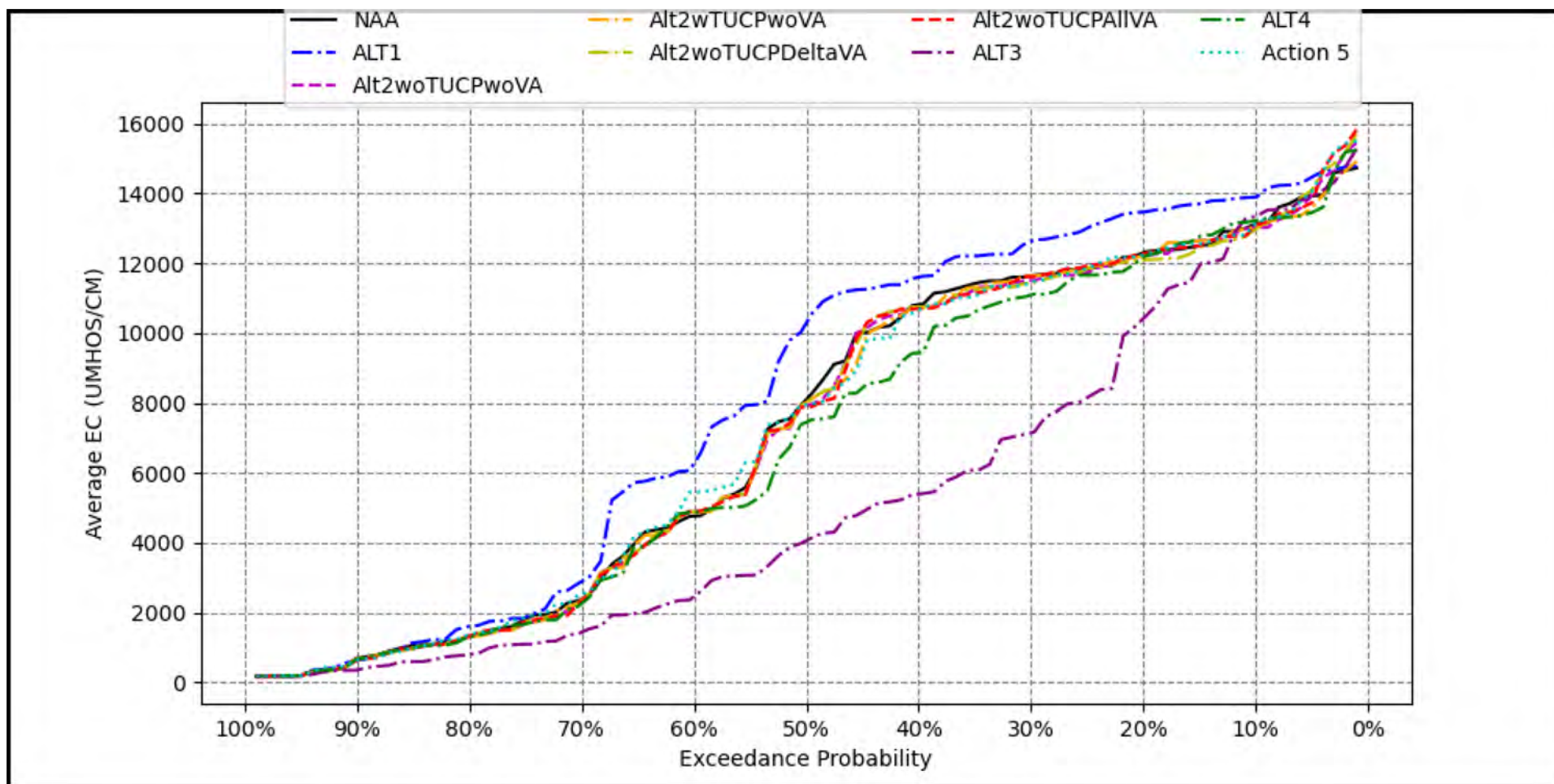
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-15-1 Chipps Island North Channel Salinity, October EC



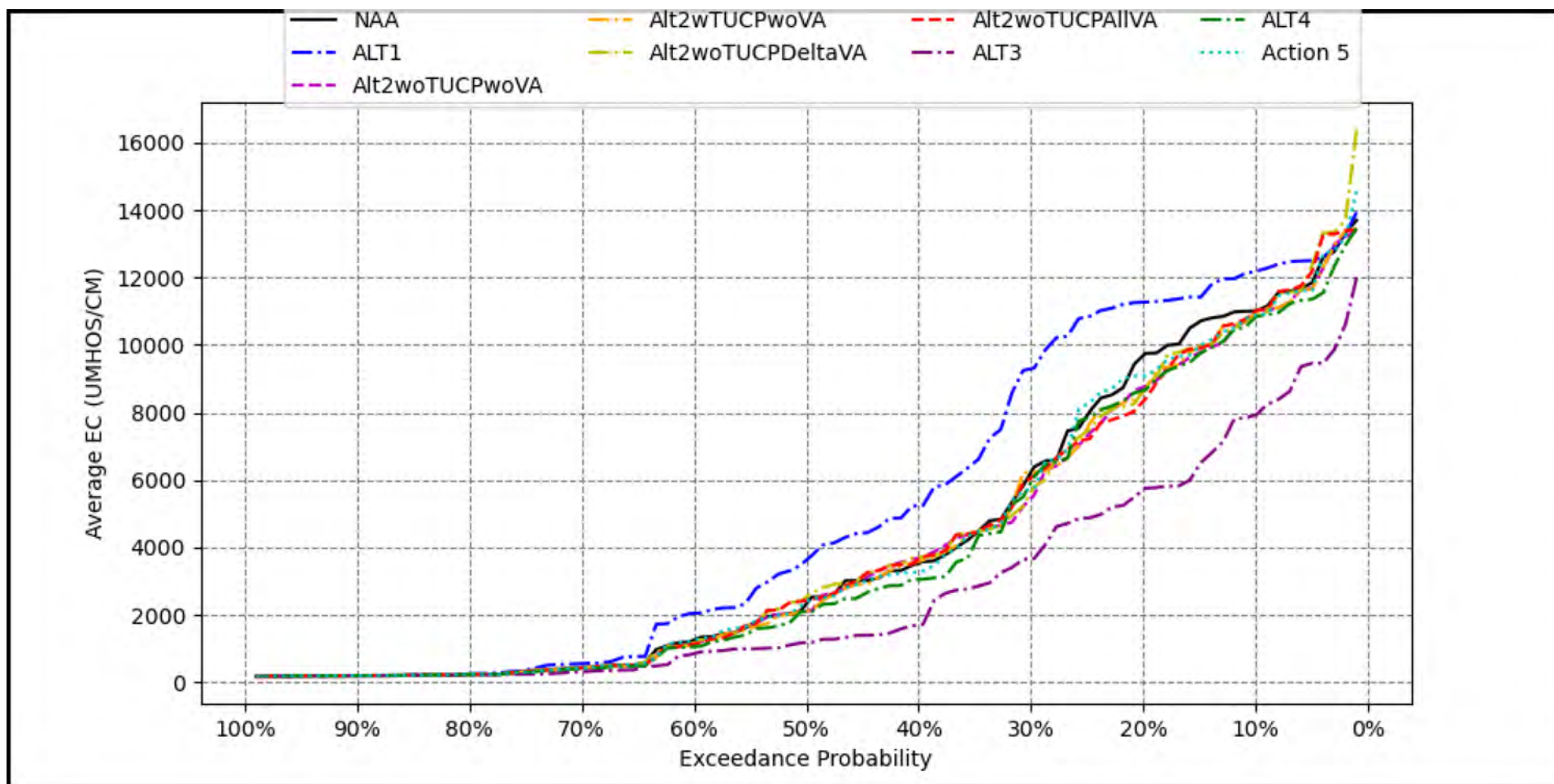
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-15-2 Chipps Island North Channel Salinity, November EC



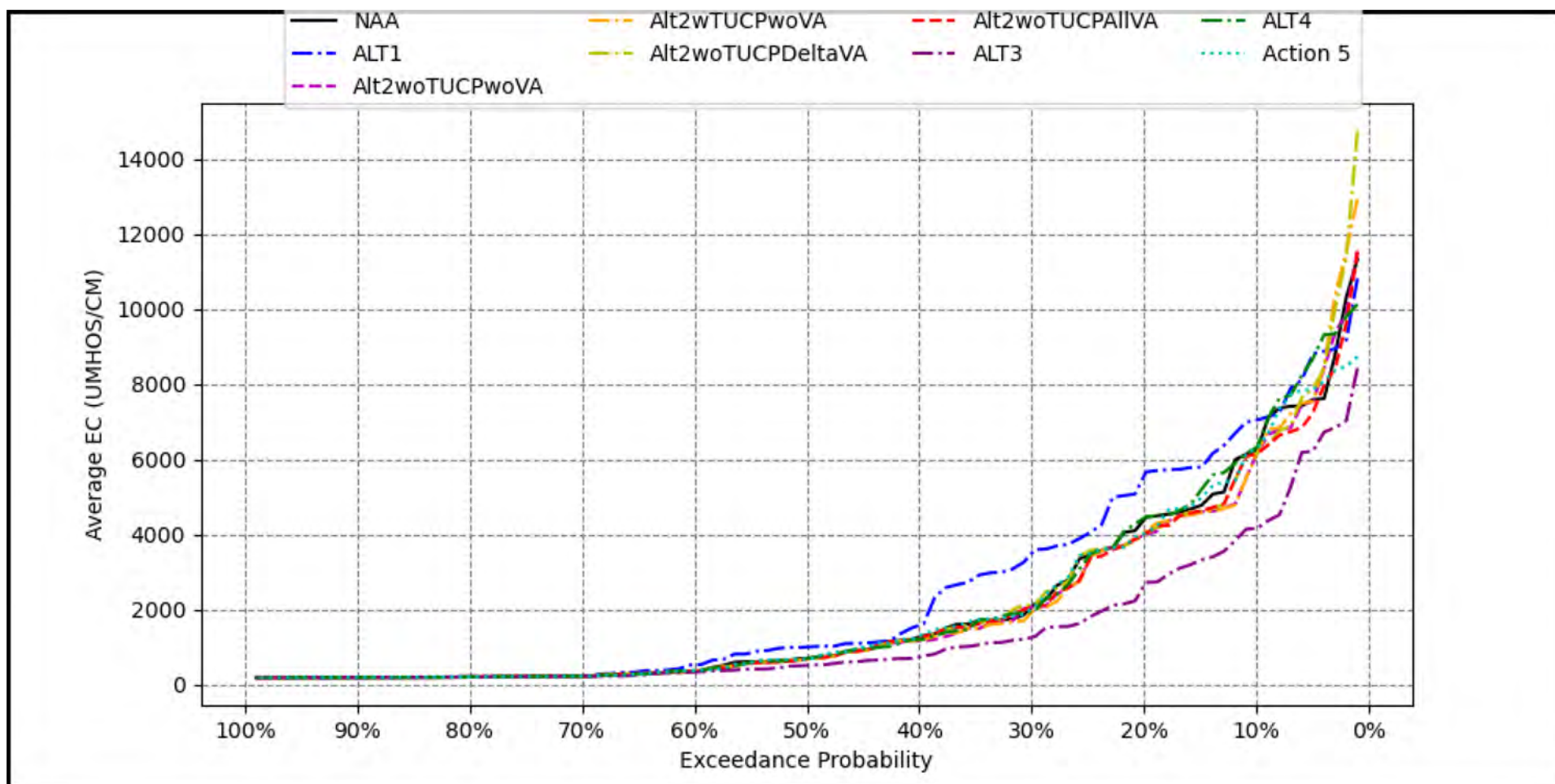
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-15-3 Chipps Island North Channel Salinity, December EC



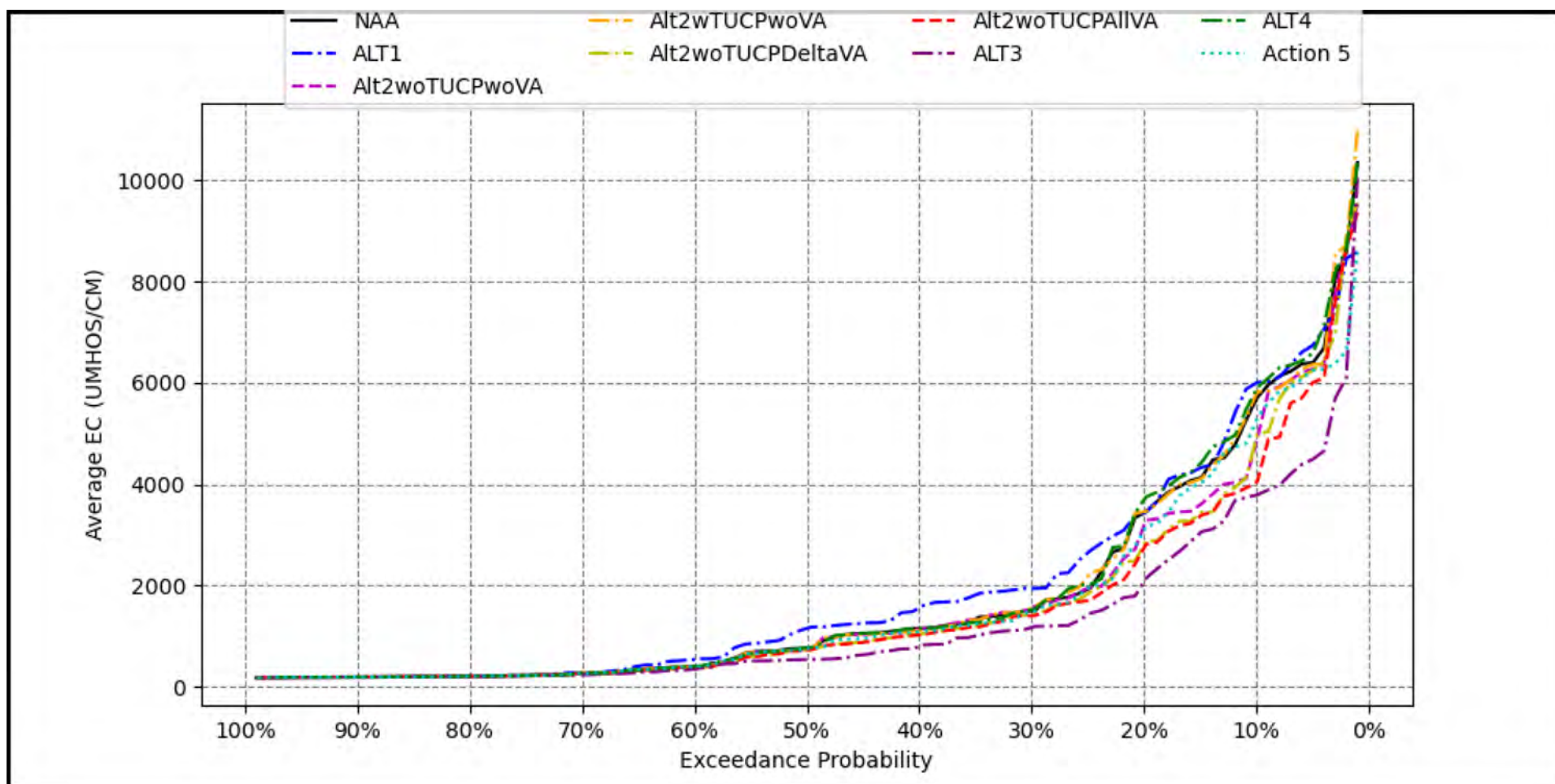
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-15-4 Chipps Island North Channel Salinity, January EC



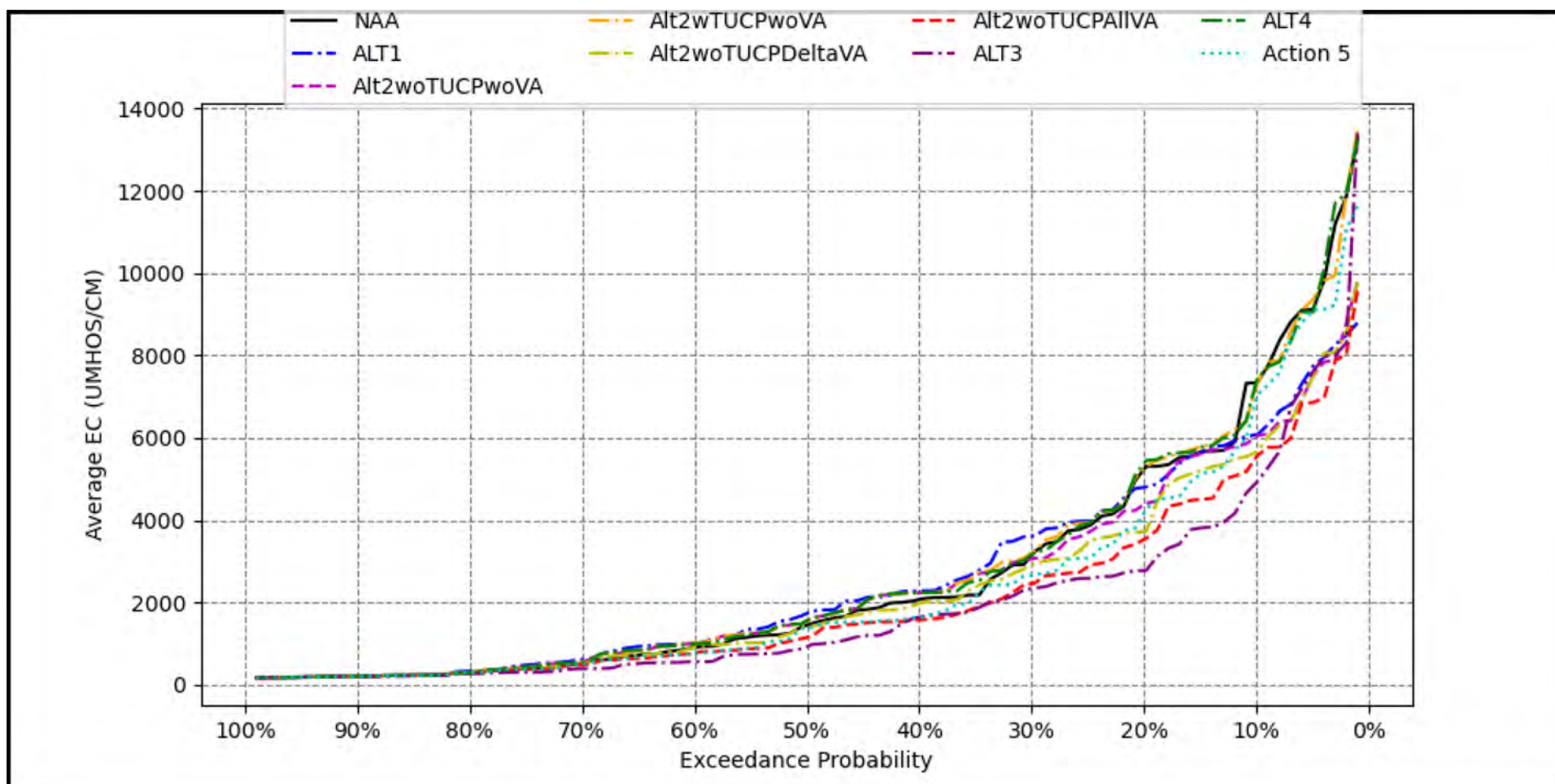
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-15-5 Chipps Island North Channel Salinity, February EC



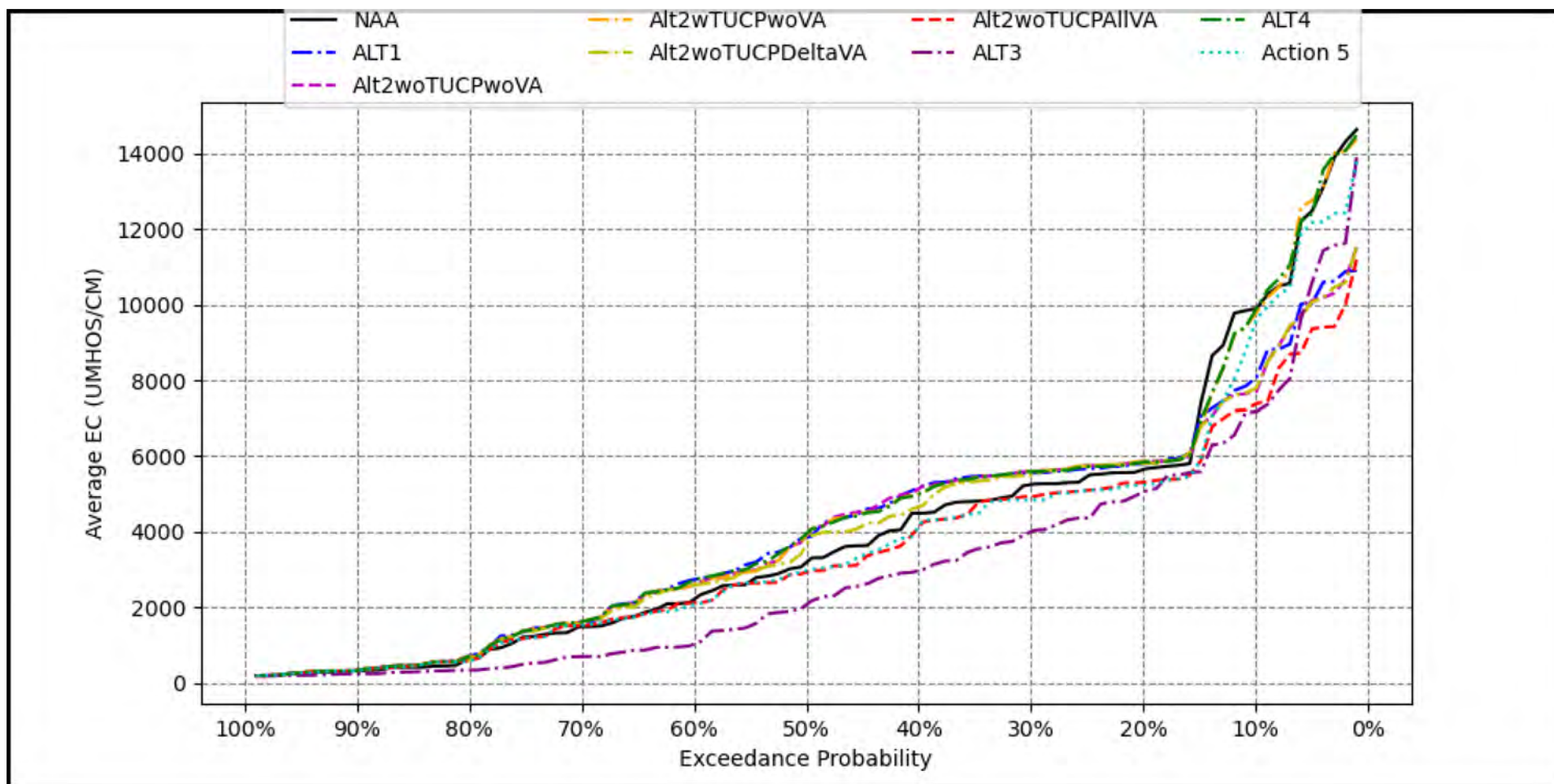
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-15-6 Chipps Island North Channel Salinity, March EC



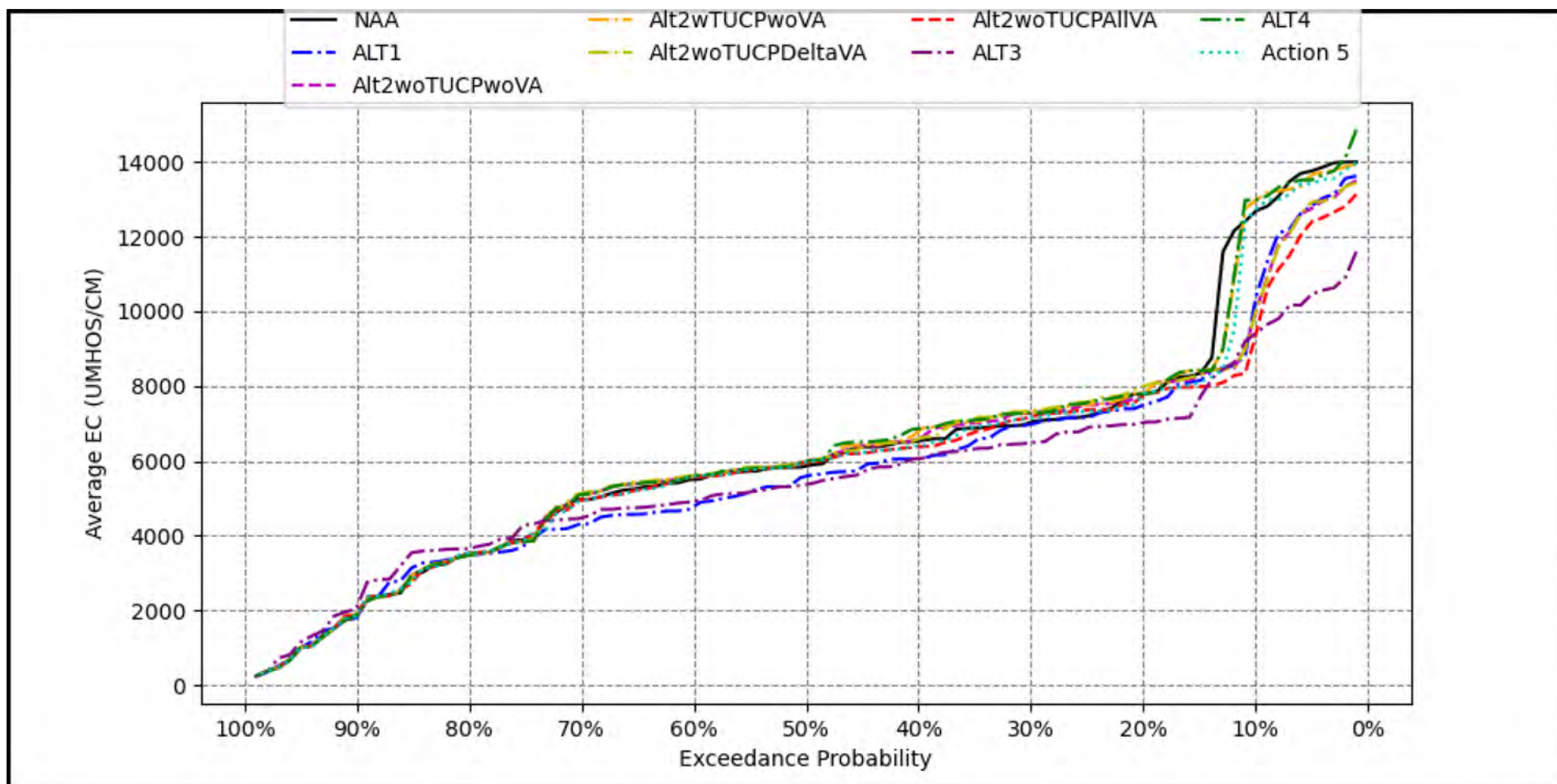
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-15-7 Chipps Island North Channel Salinity, April EC



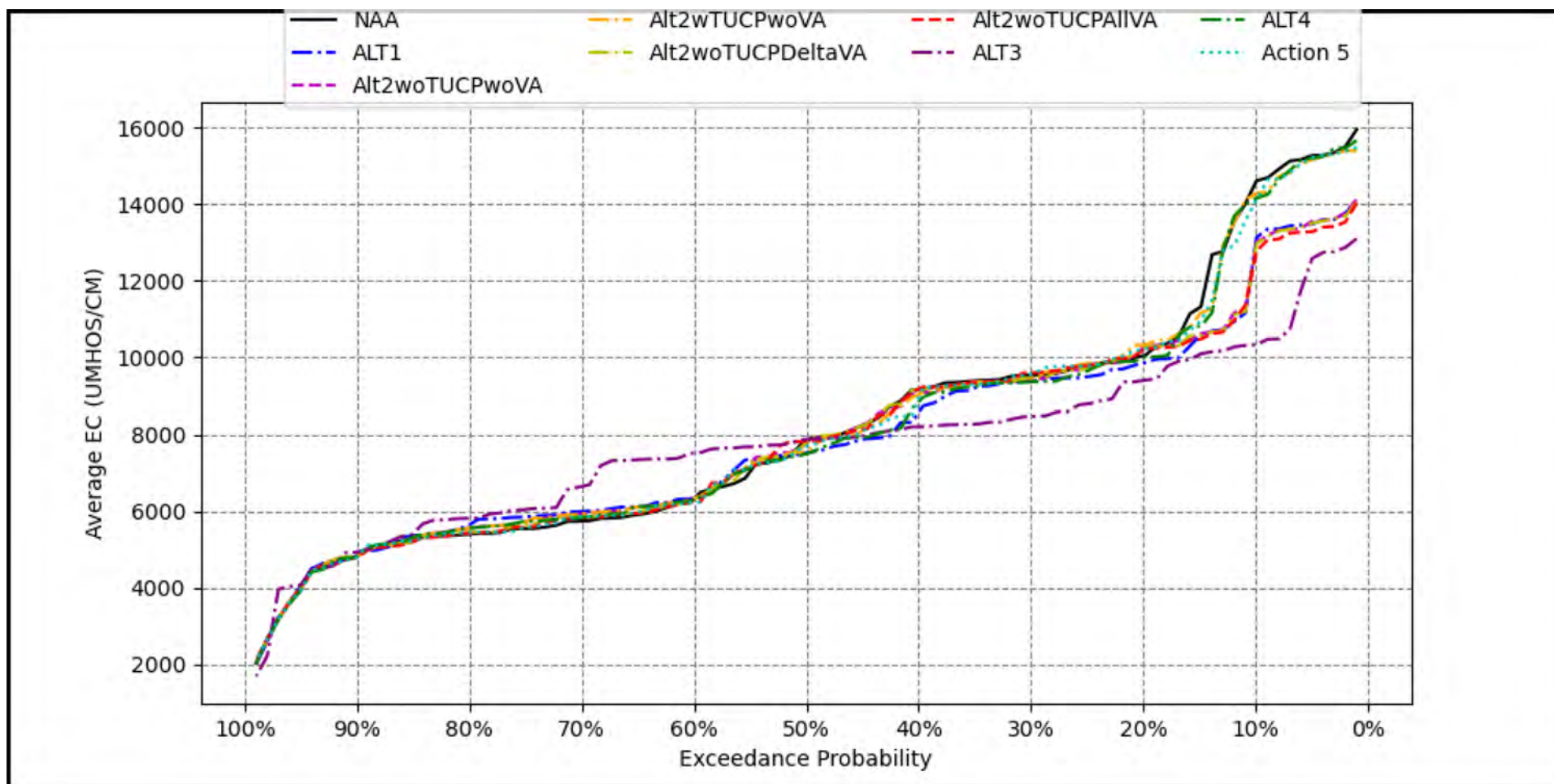
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-15-8 Chipps Island North Channel Salinity, May EC



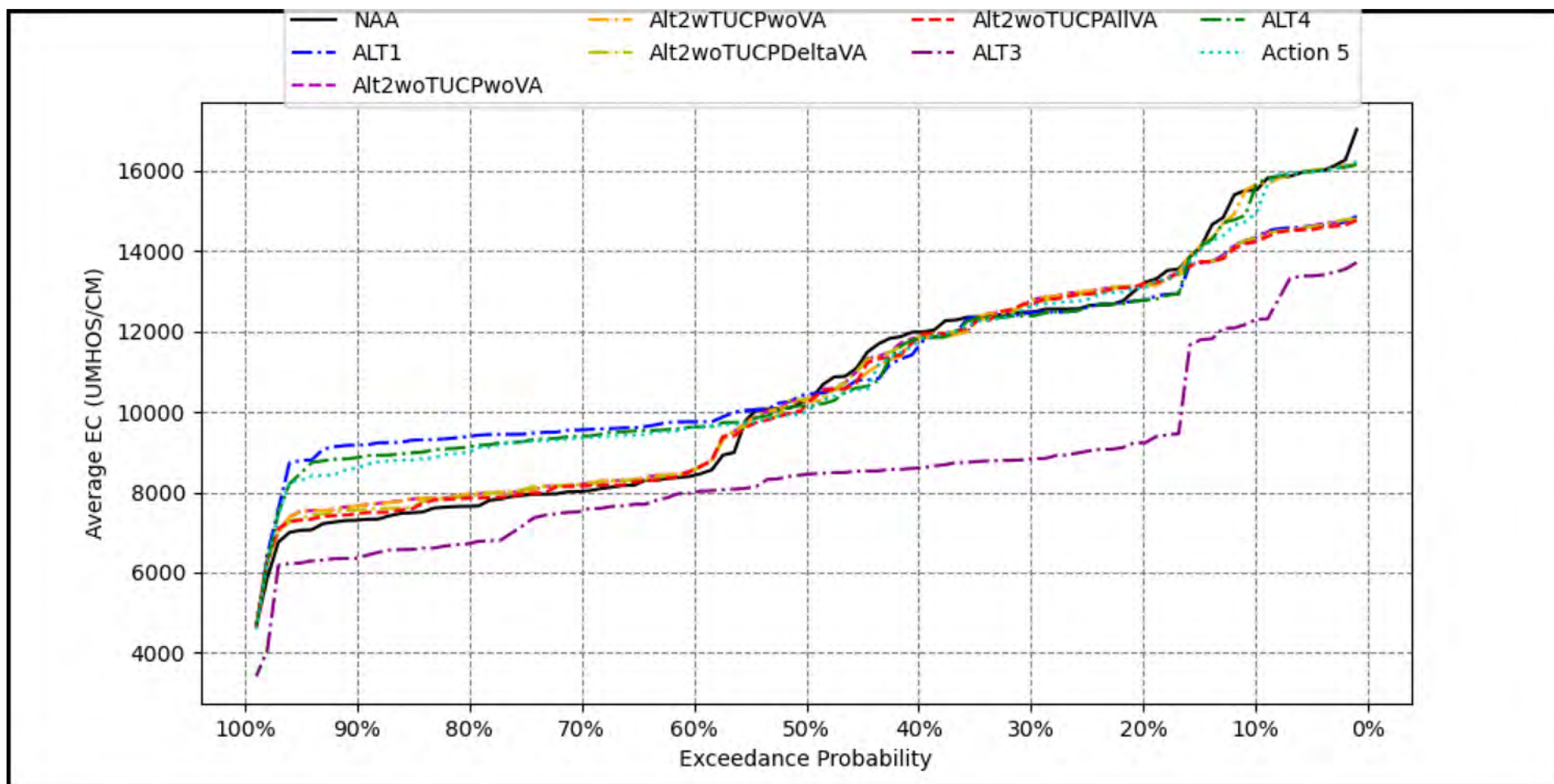
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-15-9 Chipps Island North Channel Salinity, June EC



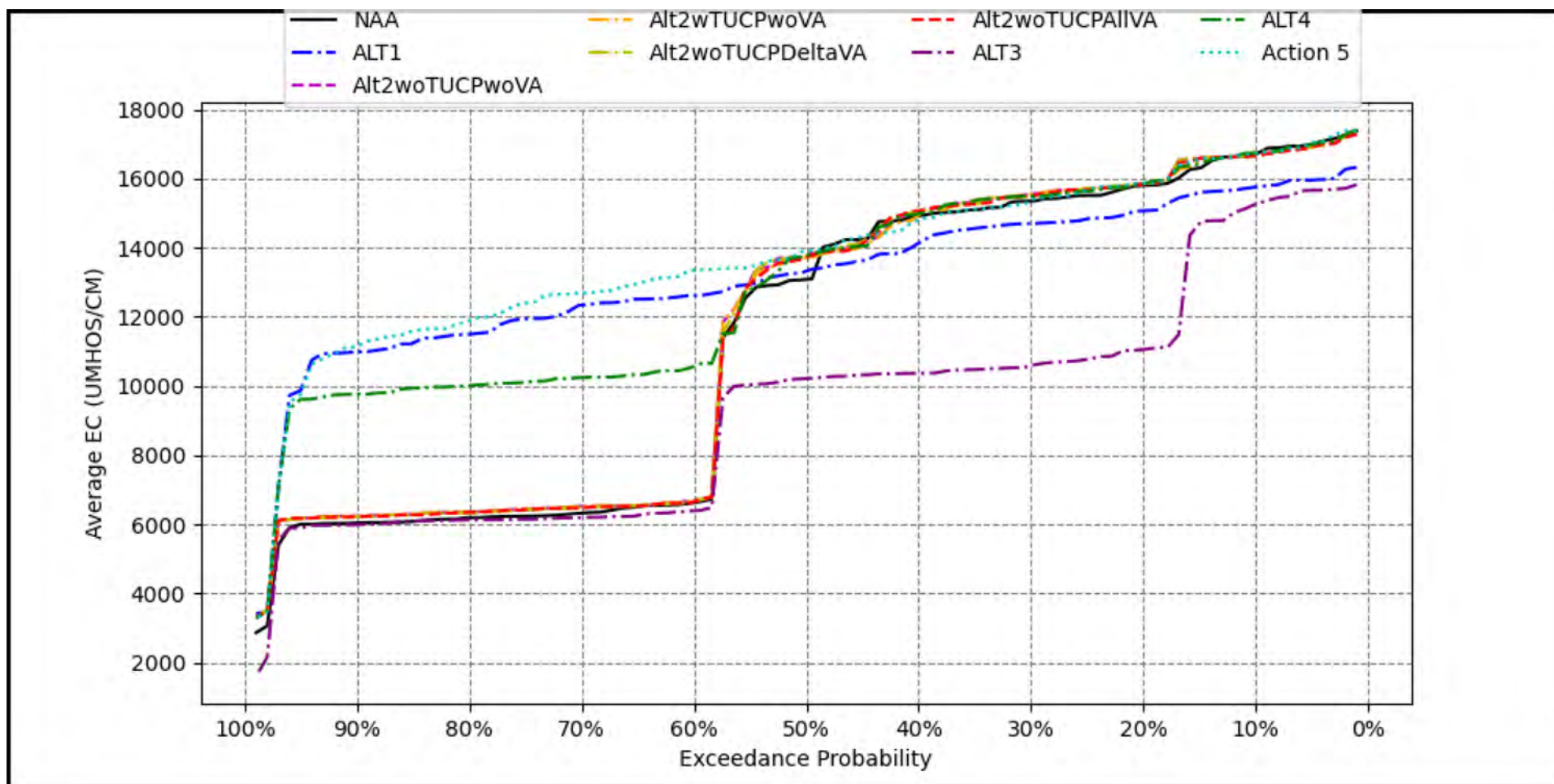
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-15-10 Chipps Island North Channel Salinity, July EC



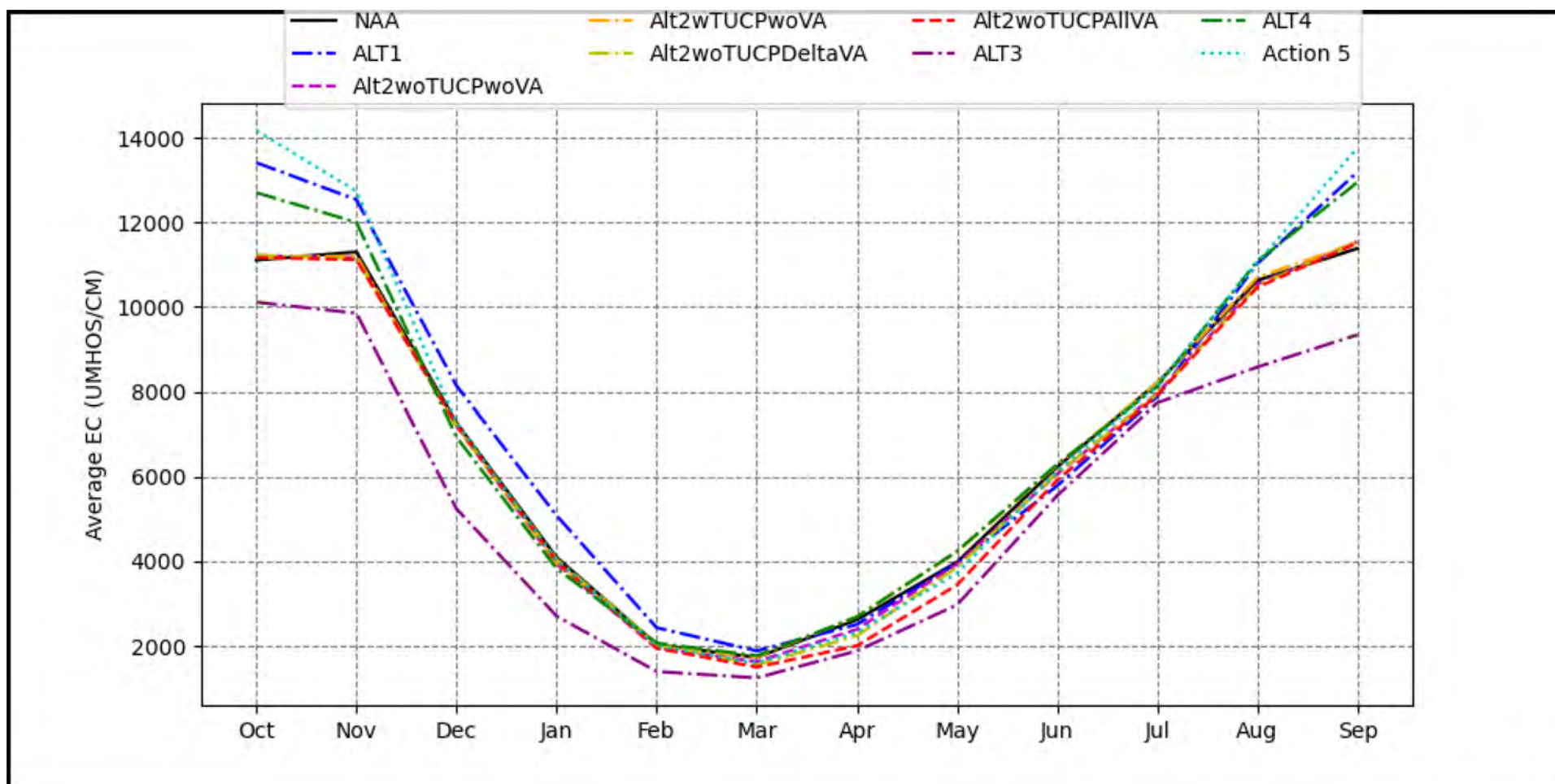
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-15-11 Chipps Island North Channel Salinity, August EC



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

Figure F.2.5-15-12 Chipps Island North Channel Salinity, September EC

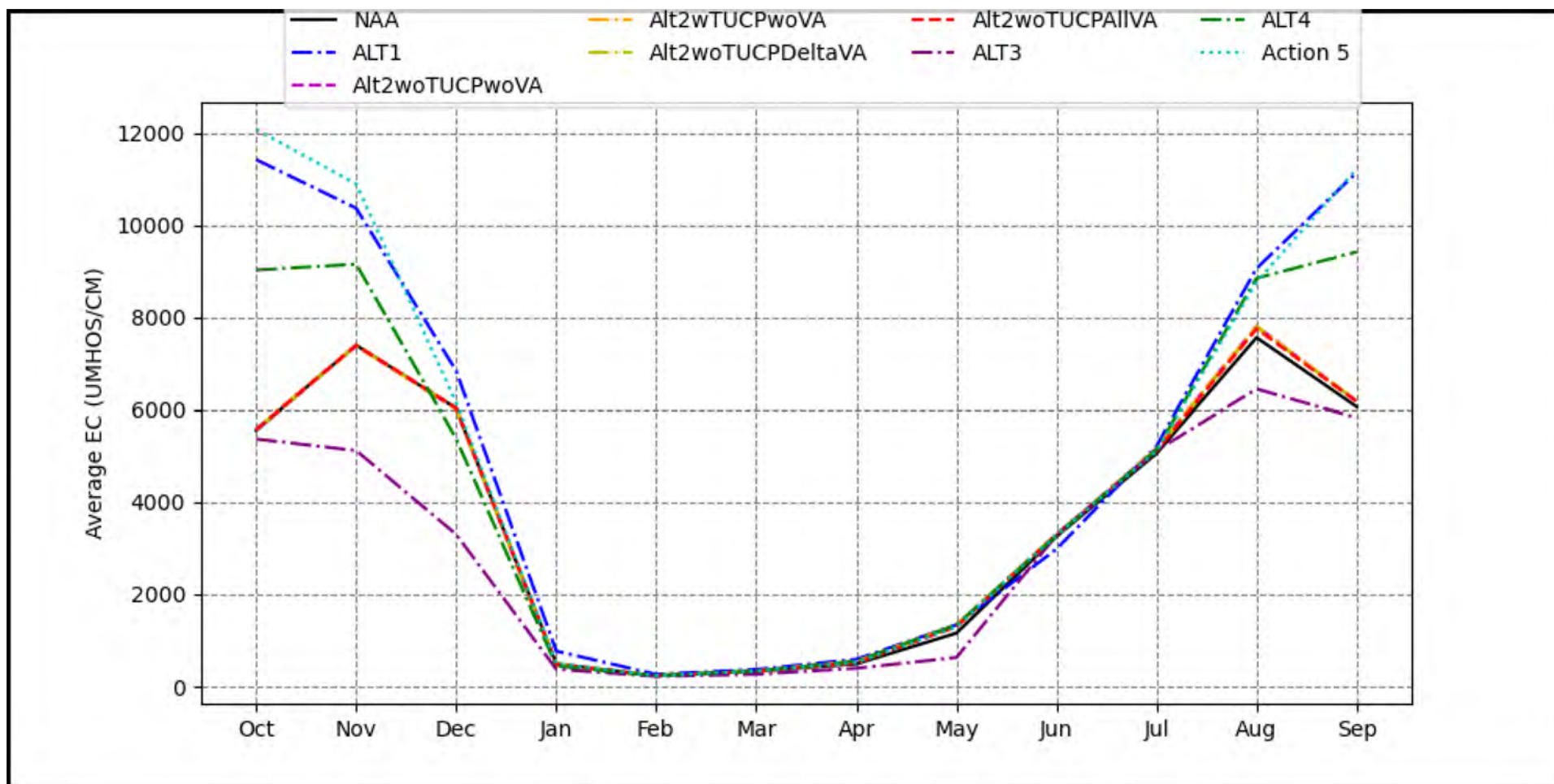


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-15-13 Chippis Island North Channel Salinity, Long Term Average EC (UMHOS/CM)

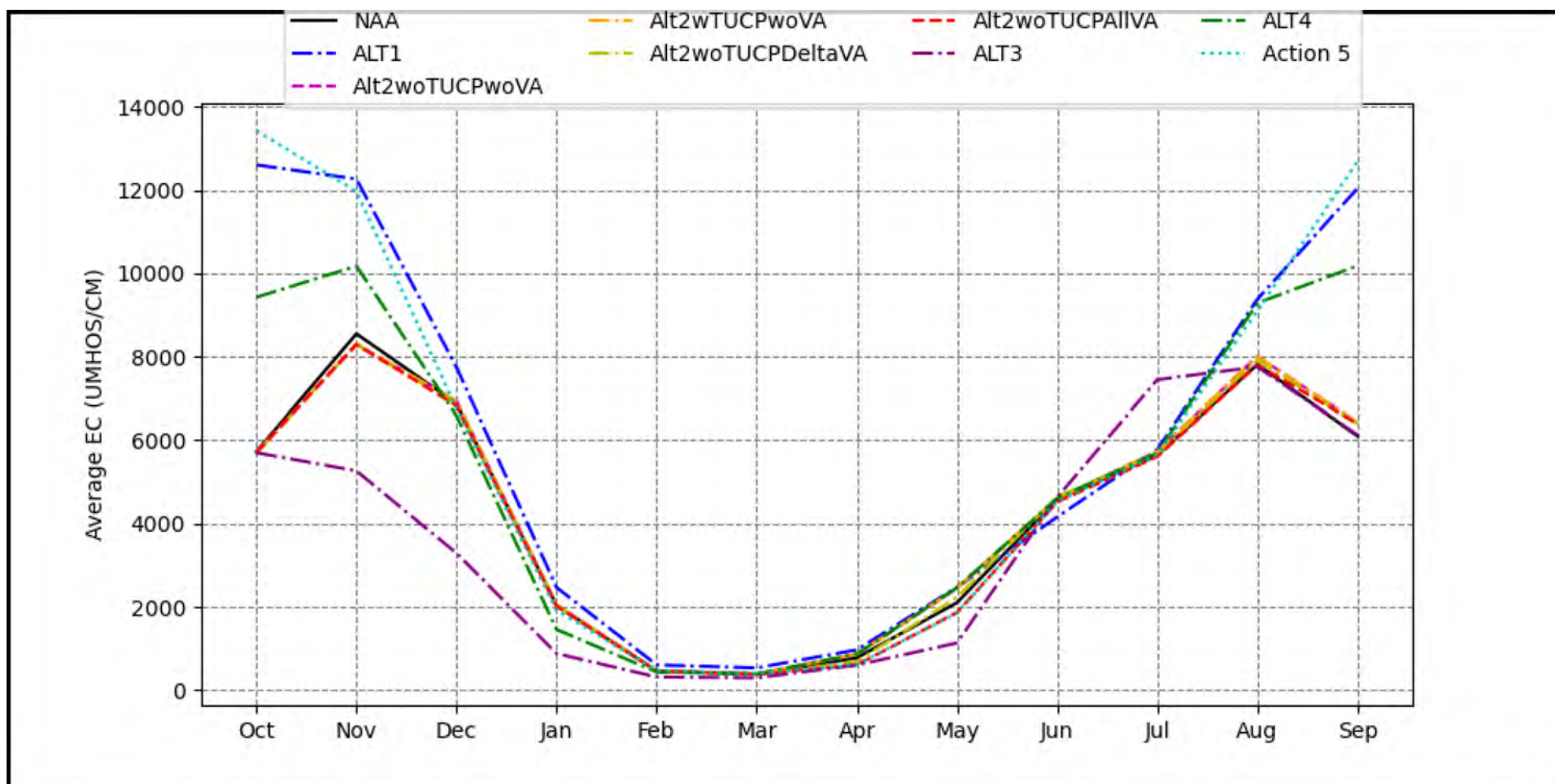


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-15-14 Chippis Island North Channel Salinity, Wet Year Average EC (UMHOS/CM)

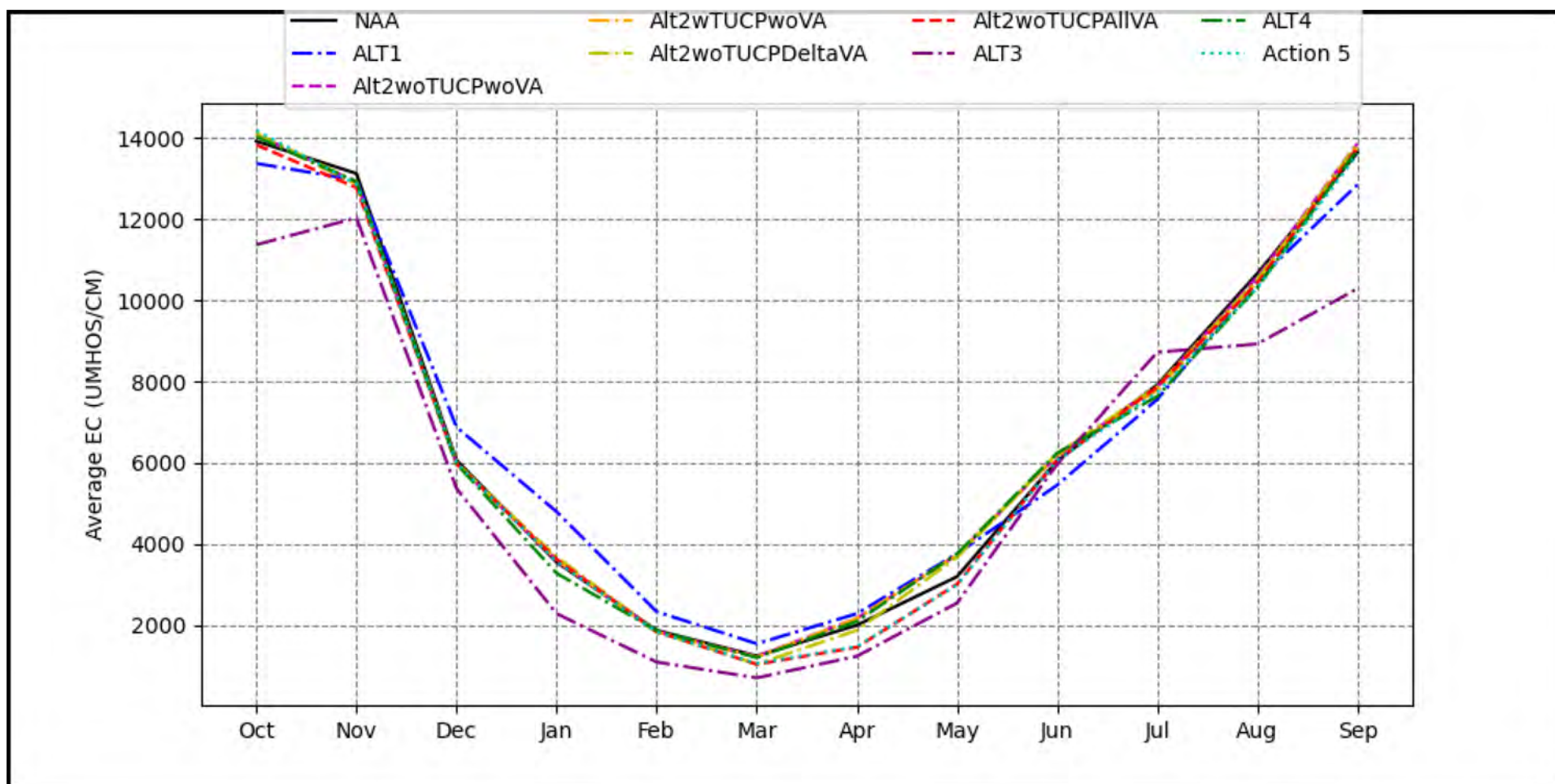


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-15-15 Chippis Island North Channel Salinity, Above Normal Year Average EC (UMHOS/CM)

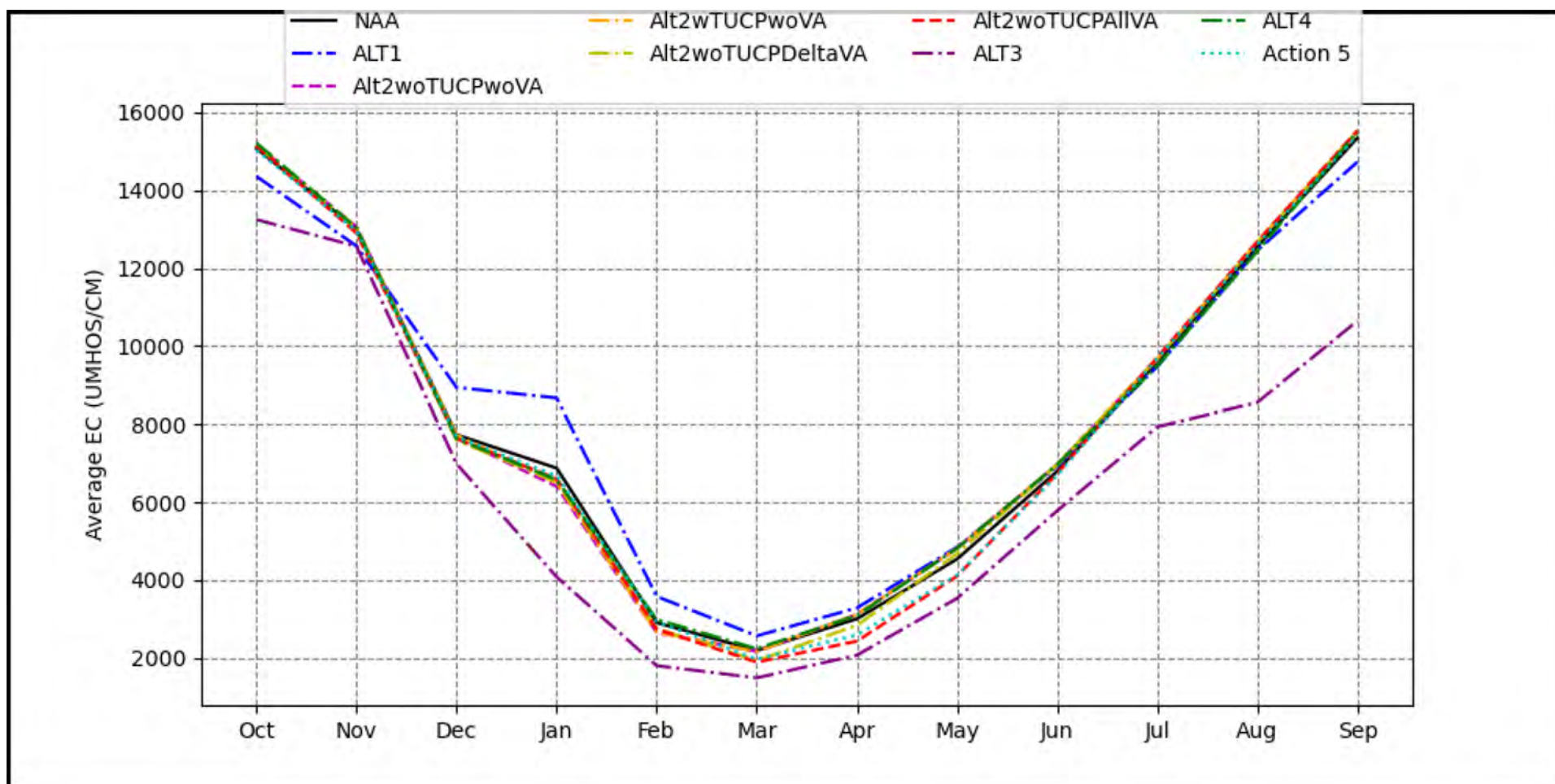


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-15-16 Chipps Island North Channel Salinity, Below Normal Year Average EC (UMHOS/CM)

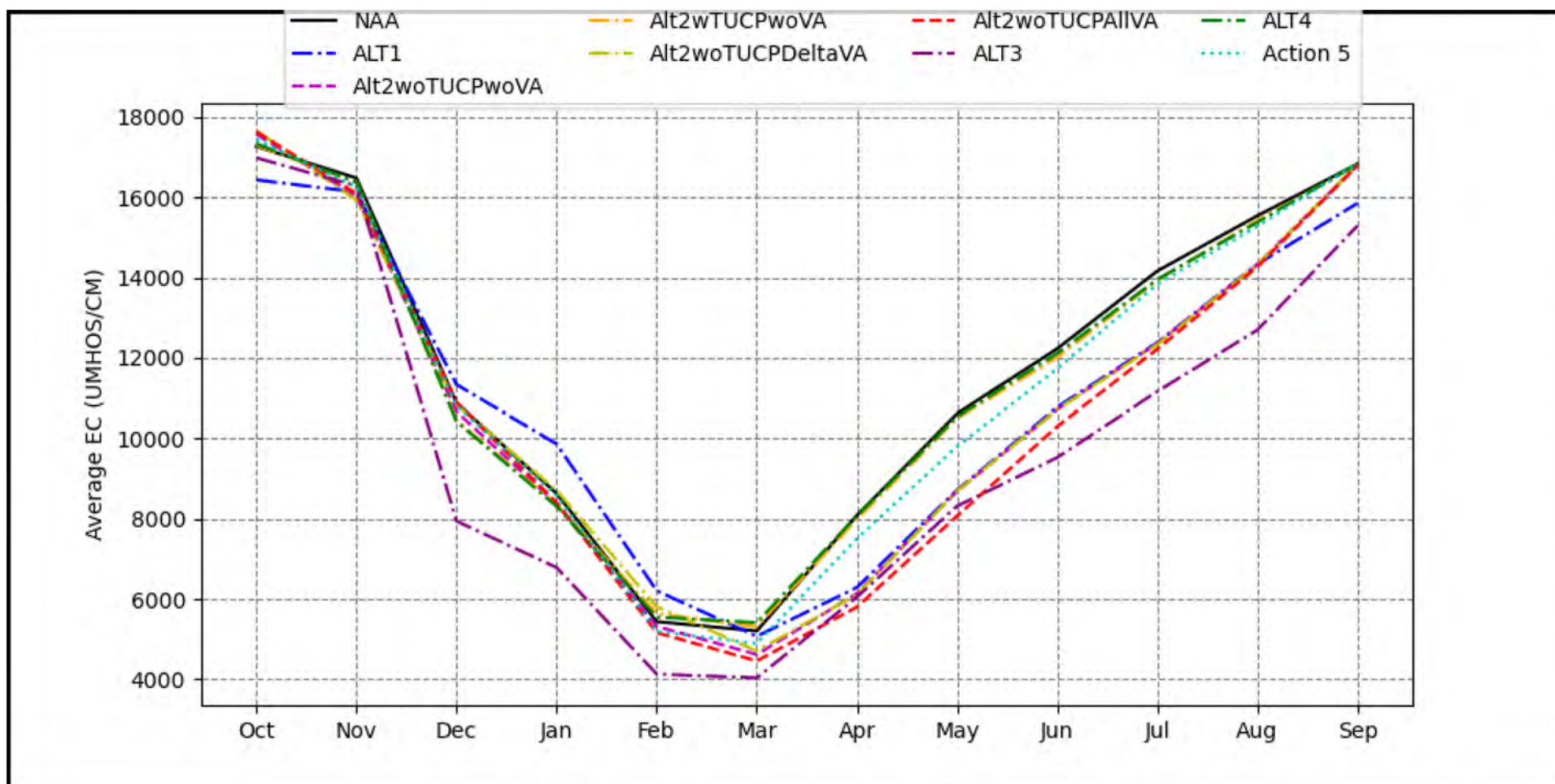


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-15-17 Chippis Island North Channel Salinity, Dry Year Average EC (UMHOS/CM)



*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-15-18 Chipps Island North Channel Salinity, Critical Year Average EC (UMHOS/CM)

F.2.5-16 Chipps Island South Channel Salinity

Table F.2.5-16-1 a. Chipps Island South Channel Salinity, NAA, Monthly EC (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 Years (27.7%)	4,463	6,289	5,300	407	209	268	364	838	2,480	4,018	6,285	5,053
Above Normal Years (13.9%)	4,596	7,298	6,056	1,799	389	296	524	1,524	3,584	4,636	6,662	5,123
Below Normal Years (17.8%)	12,738	11,982	5,517	3,071	1,480	899	1,476	2,445	4,943	6,783	9,414	12,383
Dry Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-16-1 b. Chipps Island South Channel Salinity, ALT1, Monthly EC (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 Years (27.7%)	10,110	9,263	6,060	635	236	295	438	984	2,238	4,145	7,705	9,837
Above Normal Years (13.9%)	11,226	11,036	6,921	2,140	504	401	659	1,828	3,208	4,633	8,000	10,650
Below Normal Years (17.8%)	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 Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-16-1 c. Chipps Island South Channel Salinity, ALT1 Minus NAA, Monthly EC (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 Years (27.7%)	5,646	2,974	760	228	26	27	74	146	-242	127	1,420	4,784
Above Normal Years (13.9%)	6,630	3,738	865	341	115	105	135	304	-377	-2	1,339	5,527
Below Normal Years (17.8%)	-725	-318	693	1,093	407	229	233	486	-545	-483	-300	-925
Dry Years (23.8%)	-908	-600	1,023	1,601	580	292	241	268	121	-166	-183	-769
Critical Years (15.8%)	-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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-16-2 a. Chipps Island South Channel Salinity, NAA, Monthly EC (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 Years (27.7%)	4,463	6,289	5,300	407	209	268	364	838	2,480	4,018	6,285	5,053
Above Normal Years (13.9%)	4,596	7,298	6,056	1,799	389	296	524	1,524	3,584	4,636	6,662	5,123
Below Normal Years (17.8%)	12,738	11,982	5,517	3,071	1,480	899	1,476	2,445	4,943	6,783	9,414	12,383
Dry Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-16-2 b. Chipps Island South Channel Salinity, Alt2woTUCPwoVA, Monthly EC (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 Years (27.7%)	4,483	6,281	5,283	386	208	271	402	978	2,507	4,107	6,514	5,166
Above Normal Years (13.9%)	4,646	7,061	6,126	1,795	391	296	585	1,810	3,604	4,665	6,770	5,439
Below Normal Years (17.8%)	12,936	11,775	5,435	3,110	1,461	888	1,607	2,907	5,082	6,679	9,264	12,608
Dry Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-16-2 c. Chipps Island South Channel Salinity, Alt2woTUCPwoVA Minus NAA, Monthly EC (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 Years (27.7%)	19	-9	-16	-21	-1	3	38	139	27	88	229	113
Above Normal Years (13.9%)	49	-237	69	-4	2	0	60	286	19	29	108	317
Below Normal Years (17.8%)	198	-206	-82	38	-18	-11	131	461	139	-103	-150	225
Dry Years (23.8%)	84	52	-78	-439	-240	-25	93	243	161	45	78	181
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-16-3 a. Chipps Island South Channel Salinity, NAA, Monthly EC (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 Years (27.7%)	4,463	6,289	5,300	407	209	268	364	838	2,480	4,018	6,285	5,053
Above Normal Years (13.9%)	4,596	7,298	6,056	1,799	389	296	524	1,524	3,584	4,636	6,662	5,123
Below Normal Years (17.8%)	12,738	11,982	5,517	3,071	1,480	899	1,476	2,445	4,943	6,783	9,414	12,383
Dry Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-16-3 b. Chipps Island South Channel Salinity, Alt2wTUCPwoVA, Monthly EC (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 Years (27.7%)	4,482	6,282	5,280	384	208	271	402	977	2,507	4,108	6,515	5,165
Above Normal Years (13.9%)	4,644	7,068	6,130	1,787	389	296	584	1,809	3,603	4,665	6,769	5,438
Below Normal Years (17.8%)	12,907	11,730	5,464	3,133	1,447	879	1,607	2,906	5,086	6,603	9,151	12,520
Dry Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-16-3 c. Chipps Island South Channel Salinity, Alt2wTUCPwoVA Minus NAA, Monthly EC (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 Years (27.7%)	19	-8	-20	-23	-1	3	38	139	27	89	230	112
Above Normal Years (13.9%)	47	-230	74	-11	0	-1	60	285	18	30	108	315
Below Normal Years (17.8%)	169	-252	-54	62	-33	-19	131	461	143	-180	-264	136
Dry Years (23.8%)	70	40	-5	-350	-237	-25	93	240	159	43	77	179
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-16-4 a. Chipps Island South Channel Salinity, NAA, Monthly EC (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 Years (27.7%)	4,463	6,289	5,300	407	209	268	364	838	2,480	4,018	6,285	5,053
Above Normal Years (13.9%)	4,596	7,298	6,056	1,799	389	296	524	1,524	3,584	4,636	6,662	5,123
Below Normal Years (17.8%)	12,738	11,982	5,517	3,071	1,480	899	1,476	2,445	4,943	6,783	9,414	12,383
Dry Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-16-4 b. Chipps Island South Channel Salinity, Alt2woTUCPDeltaVA, Monthly EC (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 Years (27.7%)	4,487	6,278	5,300	411	209	268	387	970	2,531	4,073	6,493	5,163
Above Normal Years (13.9%)	4,645	7,059	6,046	1,804	392	293	460	1,622	3,641	4,606	6,687	5,410
Below Normal Years (17.8%)	12,961	11,779	5,434	3,200	1,456	749	1,362	2,852	5,133	6,687	9,196	12,599
Dry Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-16-4 c. Chipps Island South Channel Salinity, Alt2woTUCPDeltaVA Minus NAA, Monthly EC (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 Years (27.7%)	24	-11	0	4	0	1	22	131	51	55	208	110
Above Normal Years (13.9%)	49	-239	-11	6	3	-3	-64	98	57	-29	26	287
Below Normal Years (17.8%)	223	-203	-83	128	-23	-150	-114	407	190	-95	-218	216
Dry Years (23.8%)	63	-3	-145	-331	-142	-218	-151	120	168	54	67	168
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-16-5 a. Chipps Island South Channel Salinity, NAA, Monthly EC (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 Years (27.7%)	4,463	6,289	5,300	407	209	268	364	838	2,480	4,018	6,285	5,053
Above Normal Years (13.9%)	4,596	7,298	6,056	1,799	389	296	524	1,524	3,584	4,636	6,662	5,123
Below Normal Years (17.8%)	12,738	11,982	5,517	3,071	1,480	899	1,476	2,445	4,943	6,783	9,414	12,383
Dry Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-16-5 b. Chipps Island South Channel Salinity, Alt2woTUCPAIIVA, Monthly EC (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 Years (27.7%)	4,481	6,283	5,304	402	209	270	382	944	2,526	4,064	6,464	5,156
Above Normal Years (13.9%)	4,654	7,062	6,012	1,778	391	293	409	1,322	3,521	4,565	6,576	5,413
Below Normal Years (17.8%)	12,677	11,640	5,433	3,145	1,455	743	1,032	2,270	4,957	6,683	9,109	12,506
Dry Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-16-5 c. Chipps Island South Channel Salinity, Alt2woTUCPAIIVA Minus NAA, Monthly EC (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 Years (27.7%)	17	-7	4	-5	0	2	18	106	46	45	178	103
Above Normal Years (13.9%)	58	-235	-45	-21	2	-3	-116	-202	-63	-70	-86	290
Below Normal Years (17.8%)	-61	-342	-84	74	-25	-156	-443	-176	14	-99	-305	123
Dry Years (23.8%)	69	-100	-104	-251	-152	-249	-481	-392	-59	87	77	167
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-16-6 a. Chipps Island South Channel Salinity, NAA, Monthly EC (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 Years (27.7%)	4,463	6,289	5,300	407	209	268	364	838	2,480	4,018	6,285	5,053
Above Normal Years (13.9%)	4,596	7,298	6,056	1,799	389	296	524	1,524	3,584	4,636	6,662	5,123
Below Normal Years (17.8%)	12,738	11,982	5,517	3,071	1,480	899	1,476	2,445	4,943	6,783	9,414	12,383
Dry Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-16-6 b. Chipps Island South Channel Salinity, ALT3, Monthly EC (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 Years (27.7%)	4,315	4,187	2,713	307	205	228	305	459	2,490	4,122	5,282	4,798
Above Normal Years (13.9%)	4,645	4,283	2,683	713	263	240	418	788	3,599	6,301	6,600	5,117
Below Normal Years (17.8%)	10,101	10,844	4,922	1,904	814	491	867	1,897	4,846	7,523	7,725	9,005
Dry Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-16-6 c. Chipps Island South Channel Salinity, ALT3 Minus NAA, Monthly EC (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 Years (27.7%)	-148	-2,102	-2,587	-100	-5	-40	-59	-379	10	103	-1,003	-255
Above Normal Years (13.9%)	49	-3,015	-3,374	-1,085	-126	-56	-106	-736	15	1,665	-62	-6
Below Normal Years (17.8%)	-2,637	-1,137	-596	-1,167	-666	-407	-609	-548	-97	740	-1,689	-3,379
Dry Years (23.8%)	-1,959	-445	-649	-2,633	-1,042	-611	-784	-879	-938	-1,614	-3,949	-4,862
Critical Years (15.8%)	-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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-16-7 a. Chipps Island South Channel Salinity, NAA, Monthly EC (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 Years (27.7%)	4,463	6,289	5,300	407	209	268	364	838	2,480	4,018	6,285	5,053
Above Normal Years (13.9%)	4,596	7,298	6,056	1,799	389	296	524	1,524	3,584	4,636	6,662	5,123
Below Normal Years (17.8%)	12,738	11,982	5,517	3,071	1,480	899	1,476	2,445	4,943	6,783	9,414	12,383
Dry Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-16-7 b. Chipps Island South Channel Salinity, ALT4, Monthly EC (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 Years (27.7%)	7,754	8,043	4,720	371	210	274	405	979	2,497	4,090	7,492	8,206
Above Normal Years (13.9%)	8,201	8,940	5,841	1,222	361	299	587	1,817	3,611	4,634	7,977	9,007
Below Normal Years (17.8%)	12,872	11,773	5,440	2,806	1,479	869	1,548	2,927	5,138	6,456	9,002	12,456
Dry Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-16-7 c. Chipps Island South Channel Salinity, ALT4 Minus NAA, Monthly EC (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 Years (27.7%)	3,291	1,754	-580	-36	0	6	41	140	17	72	1,207	3,153
Above Normal Years (13.9%)	3,605	1,642	-215	-577	-28	2	62	294	27	-1	1,315	3,884
Below Normal Years (17.8%)	134	-209	-78	-266	-1	-30	72	482	195	-327	-412	73
Dry Years (23.8%)	136	33	-87	-299	75	44	71	241	166	-155	-208	128
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-16-8 a. Chipps Island South Channel Salinity, NAA, Monthly EC (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 Years (27.7%)	4,463	6,289	5,300	407	209	268	364	838	2,480	4,018	6,285	5,053
Above Normal Years (13.9%)	4,596	7,298	6,056	1,799	389	296	524	1,524	3,584	4,636	6,662	5,123
Below Normal Years (17.8%)	12,738	11,982	5,517	3,071	1,480	899	1,476	2,445	4,943	6,783	9,414	12,383
Dry Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-16-8 b. Chipps Island South Channel Salinity, Action 5, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,954	14,966	12,068	9,724	5,254	3,909	4,941	7,549	11,053	12,193	13,317	15,484
20% Exceedance	14,868	14,162	11,124	8,049	3,188	2,124	3,022	4,166	6,334	8,899	11,729	14,651
30% Exceedance	14,602	13,747	10,333	4,871	1,685	999	1,922	3,865	5,931	8,214	11,204	14,085
40% Exceedance	14,259	13,200	9,496	2,789	968	738	1,108	3,084	5,192	7,479	10,266	13,630
50% Exceedance	13,873	12,787	6,910	1,806	591	607	922	2,164	4,781	6,481	8,704	12,580
60% Exceedance	13,402	12,331	4,657	1,003	279	283	490	1,483	4,456	5,104	8,322	12,009
70% Exceedance	12,515	11,612	2,246	326	211	223	383	1,051	3,871	4,761	7,989	11,414
80% Exceedance	11,526	10,701	1,412	203	194	195	241	406	2,664	4,382	7,684	10,590
90% Exceedance	10,238	6,104	748	189	187	186	192	249	1,607	3,999	7,344	10,077
Full Simulation Period Average^a	12,978	11,672	6,562	3,539	1,692	1,257	1,840	3,003	5,076	6,952	9,703	12,498
Wet Years (27.7%)	10,830	9,887	5,484	417	211	273	386	945	2,521	4,058	7,414	9,918
Above Normal Years (13.9%)	12,221	10,878	6,038	1,683	396	309	413	1,314	3,533	4,602	7,791	11,412
Below Normal Years (17.8%)	13,001	11,725	5,440	3,099	1,458	757	1,051	2,250	4,950	6,557	8,990	12,340
Dry Years (23.8%)	13,901	11,934	6,971	5,828	2,499	1,511	1,937	3,214	5,496	8,329	11,234	14,180
Critical Years (15.8%)	16,253	15,164	9,879	7,689	4,471	3,987	6,375	8,615	10,409	12,450	13,888	15,617

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-16-8 c. Chipps Island South Channel Salinity, Action 5 Minus NAA, Monthly EC (UMHOS/CM)

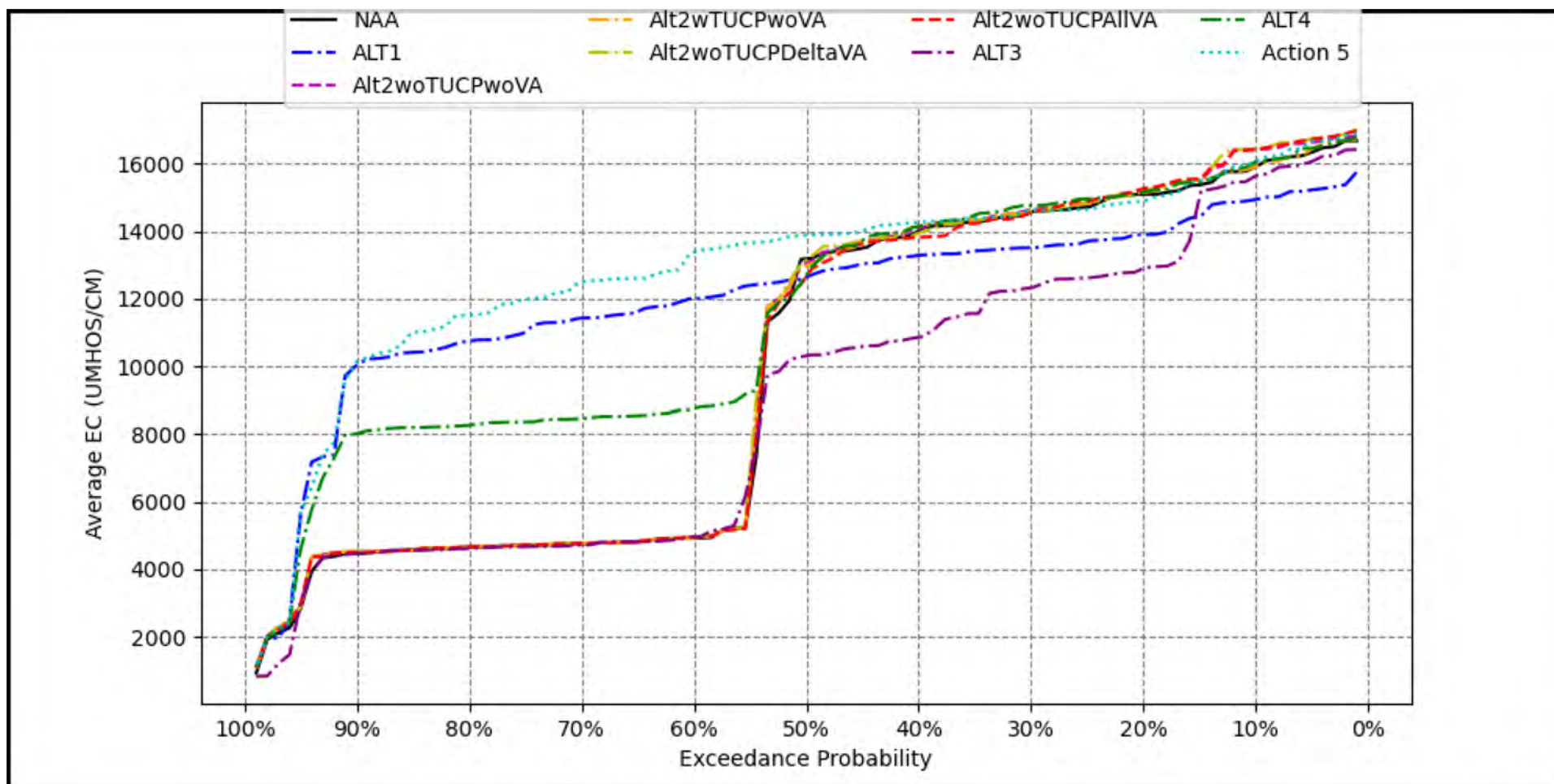
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	170	-304	83	-258	15	-371	-1,127	-1,120	-182	-632	-758	27
20% Exceedance	-215	8	62	-271	-361	-527	-955	-357	-293	175	-111	19
30% Exceedance	105	-132	-53	-33	52	-93	-302	-321	161	16	19	-12
40% Exceedance	288	518	-57	-27	36	-47	-322	-389	-147	-256	-328	-50
50% Exceedance	693	3,836	-323	-28	68	-2	-90	-186	68	-97	-319	815
60% Exceedance	8,479	4,078	652	18	-41	7	-100	-122	87	-190	1,135	6,450
70% Exceedance	7,747	3,560	-57	4	0	0	-12	68	-71	80	1,238	6,093
80% Exceedance	6,860	3,668	60	-3	0	1	-6	-1	-2	34	1,222	5,411
90% Exceedance	5,755	1,945	-54	0	1	-1	-1	19	41	-40	1,211	5,001
Full Simulation Period Average^a	3,003	1,483	29	-62	-37	-117	-263	-255	-101	-71	356	2,252
Wet Years (27.7%)	6,367	3,597	184	10	1	5	22	106	41	39	1,129	4,865
Above Normal Years (13.9%)	7,625	3,580	-19	-115	7	13	-112	-210	-51	-34	1,129	6,289
Below Normal Years (17.8%)	263	-257	-78	28	-21	-142	-425	-196	7	-225	-424	-44
Dry Years (23.8%)	-51	-50	-46	-202	31	-187	-355	-368	-103	61	7	60
Critical Years (15.8%)	176	-225	-64	-30	-261	-315	-571	-821	-508	-324	-270	17

^a Based on the 100-year simulation period.

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

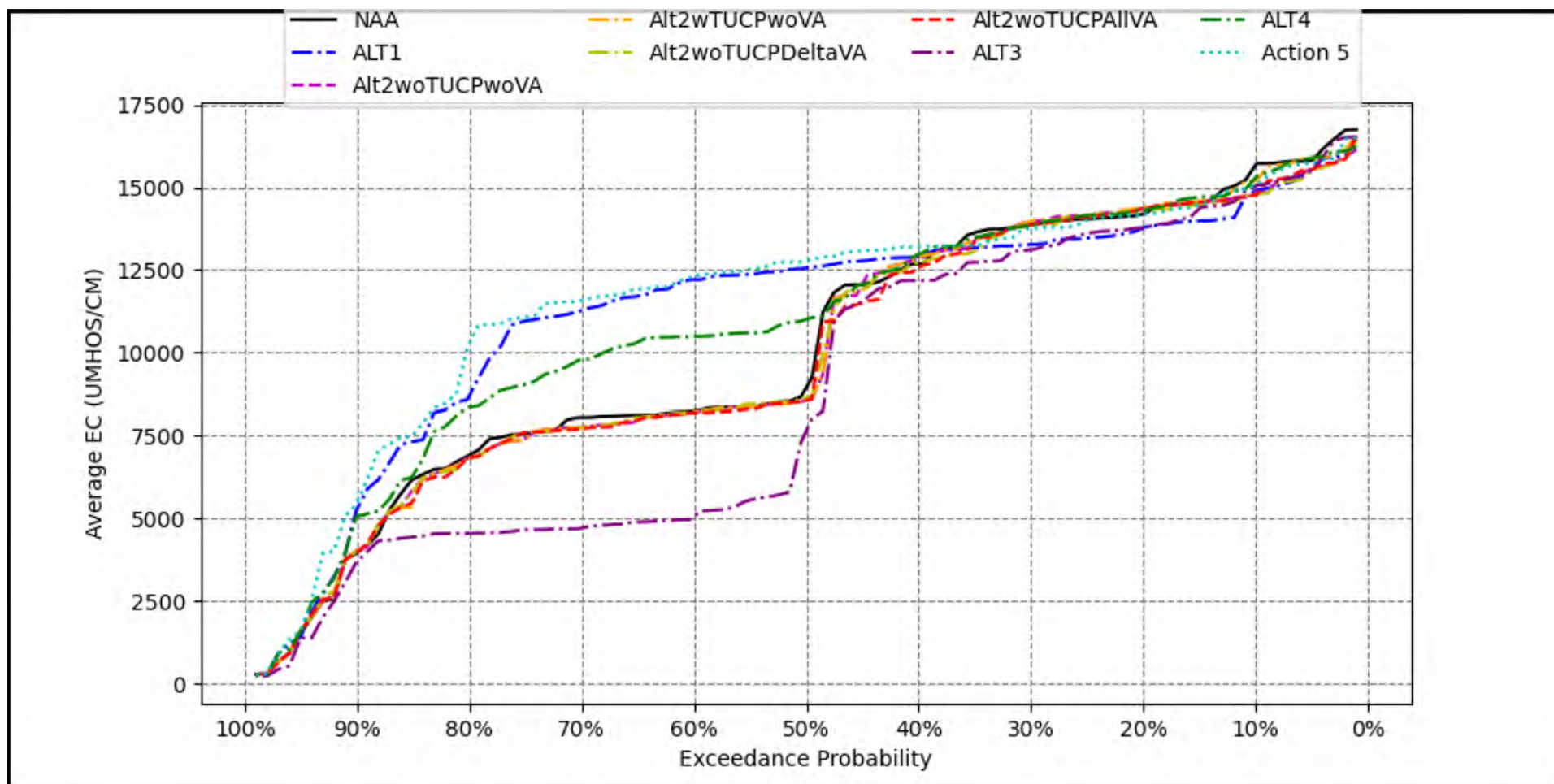
* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.



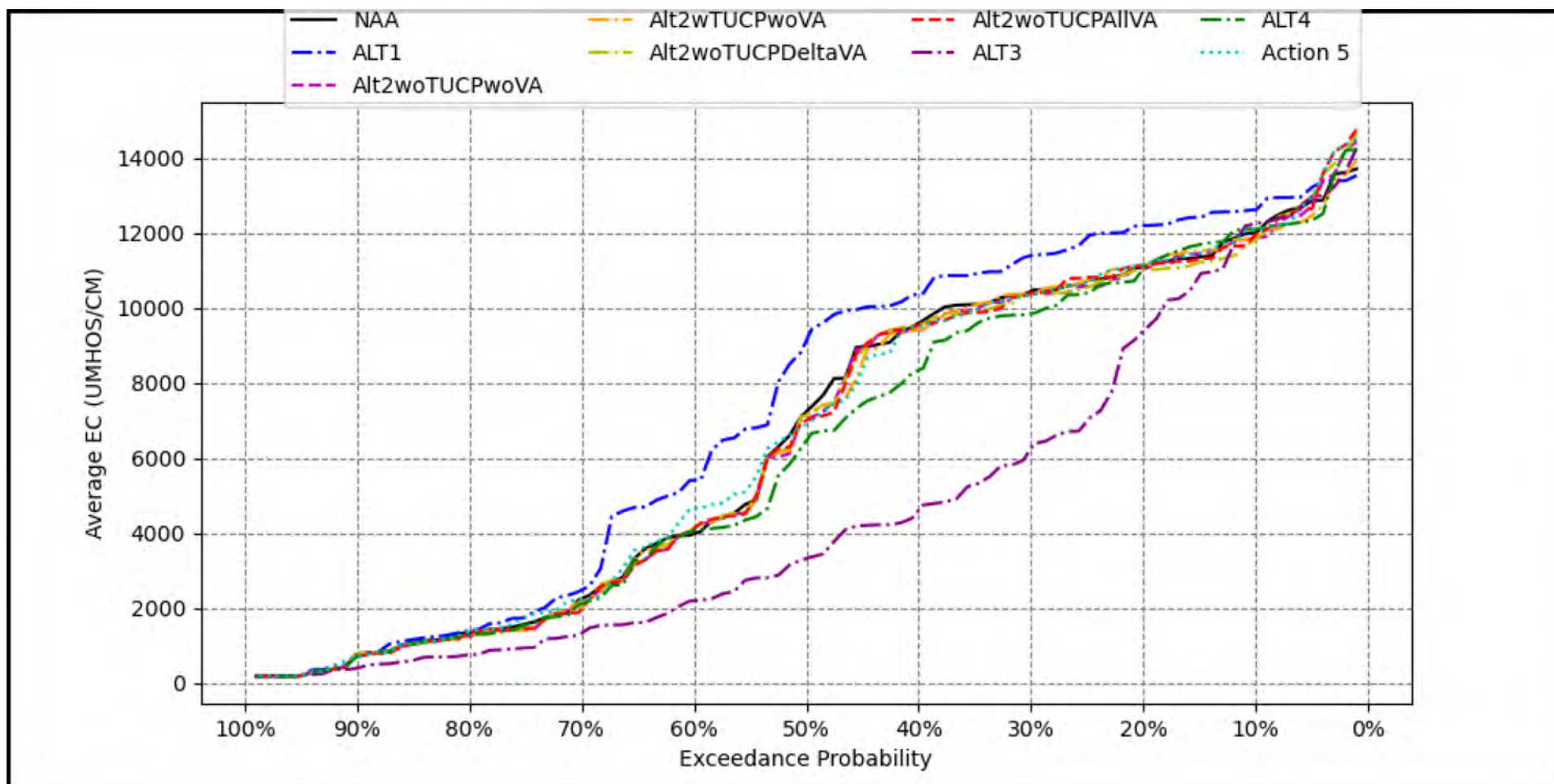
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-16-1 Chipps Island South Channel Salinity, October EC



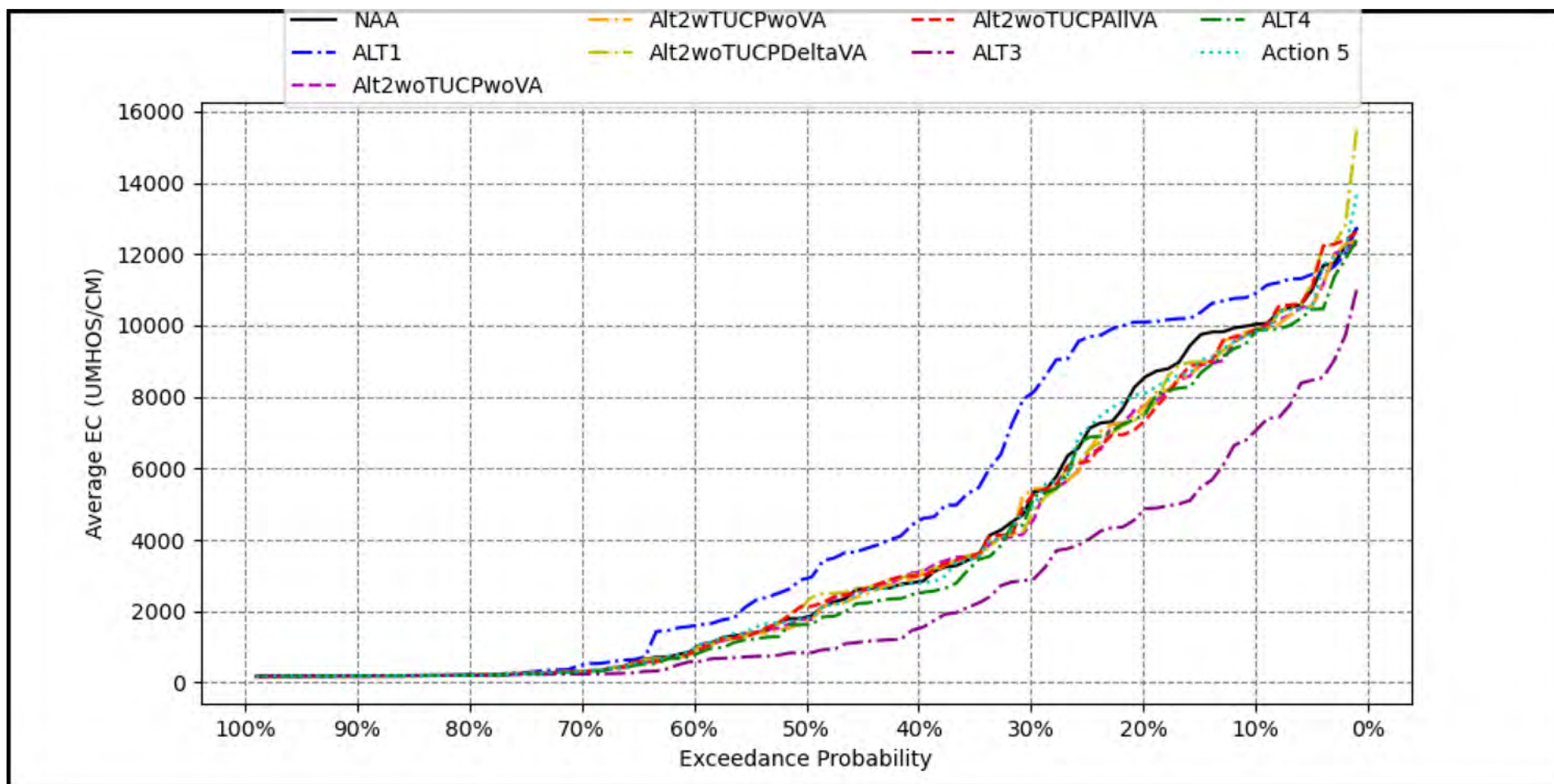
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-16-2 Chipps Island South Channel Salinity, November EC



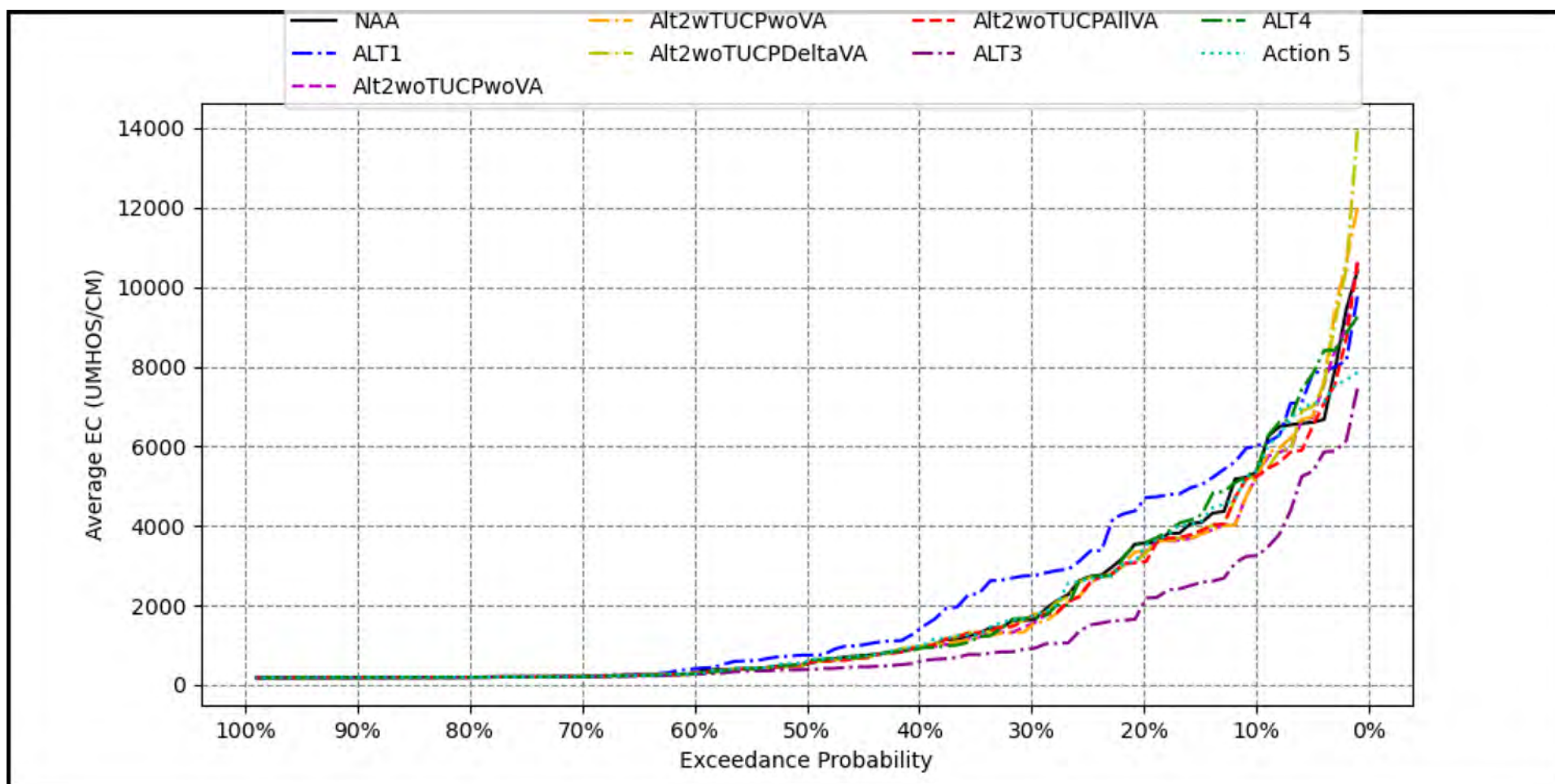
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-16-3 Chipps Island South Channel Salinity, December EC



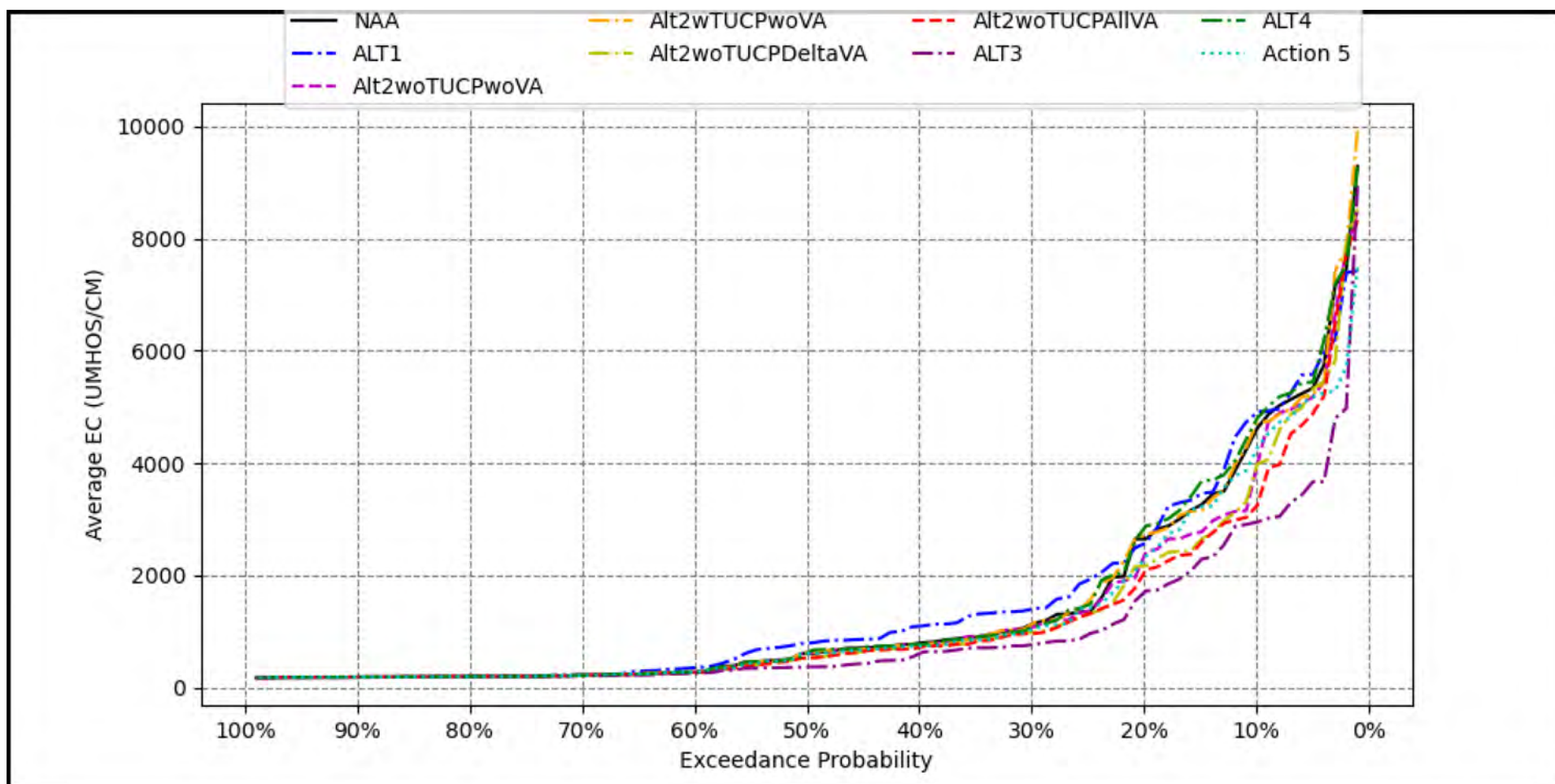
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-16-4 Chipps Island South Channel Salinity, January EC



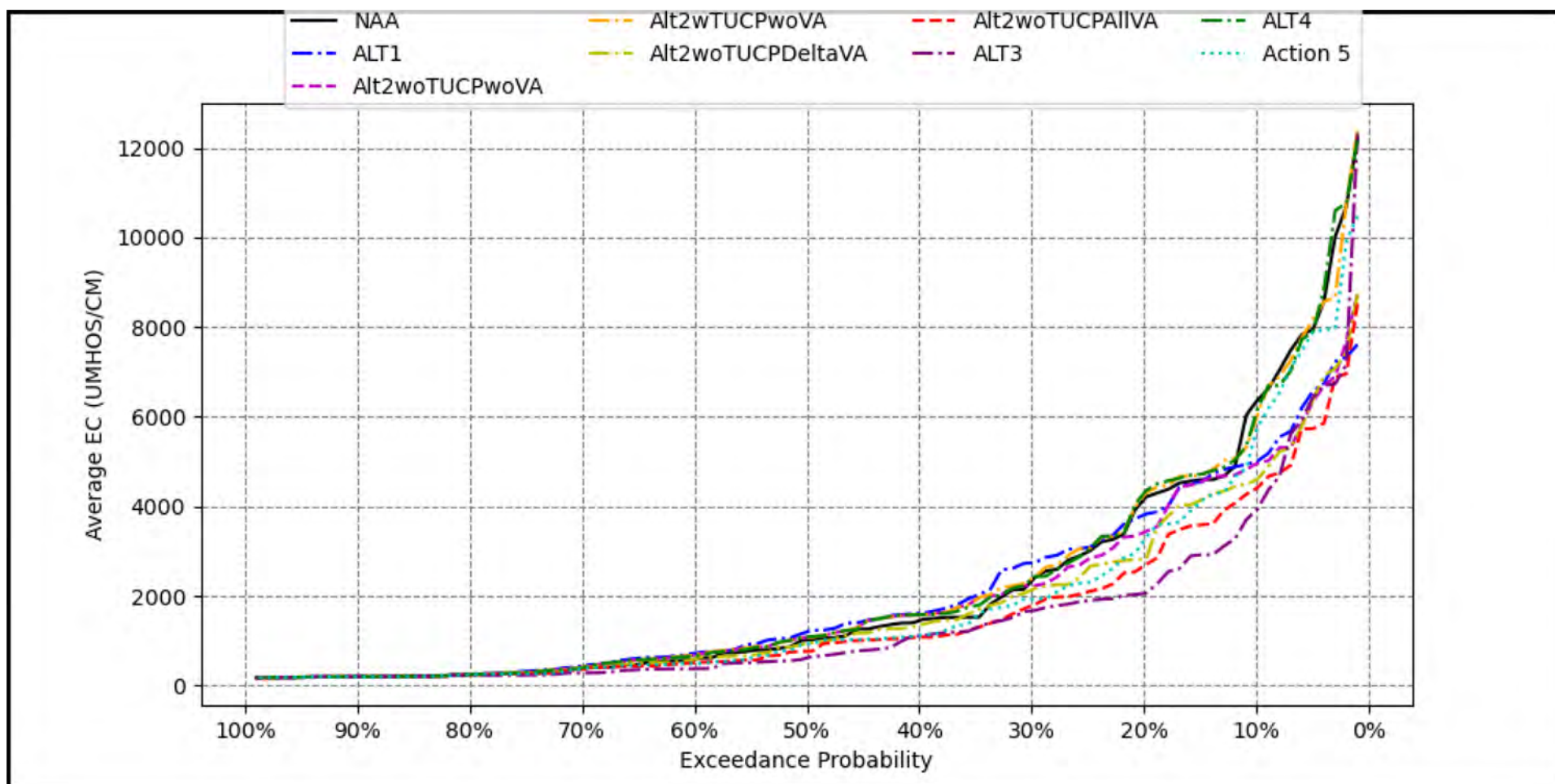
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-16-5 Chipps Island South Channel Salinity, February EC



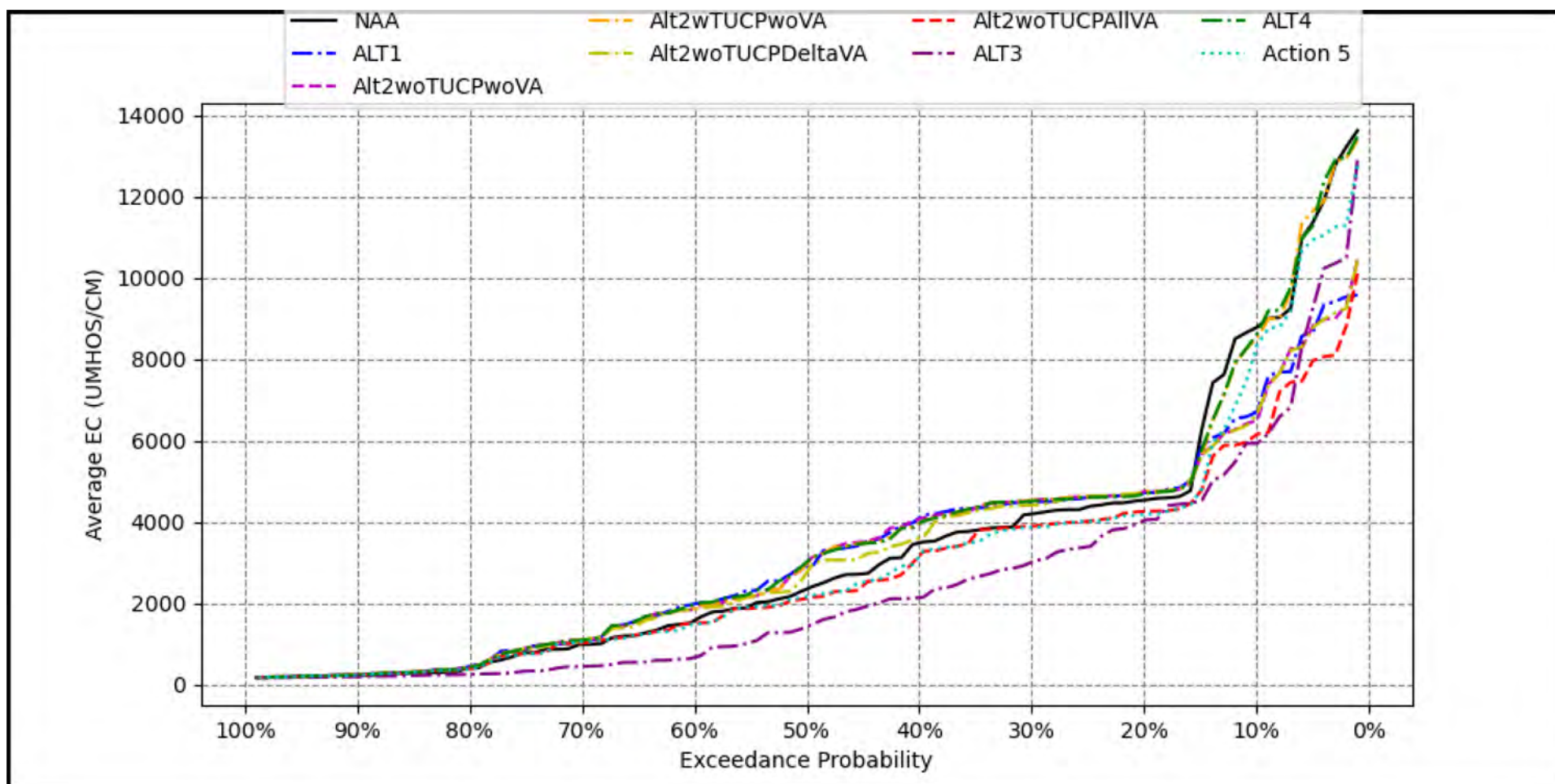
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-16-6 Chipps Island South Channel Salinity, March EC



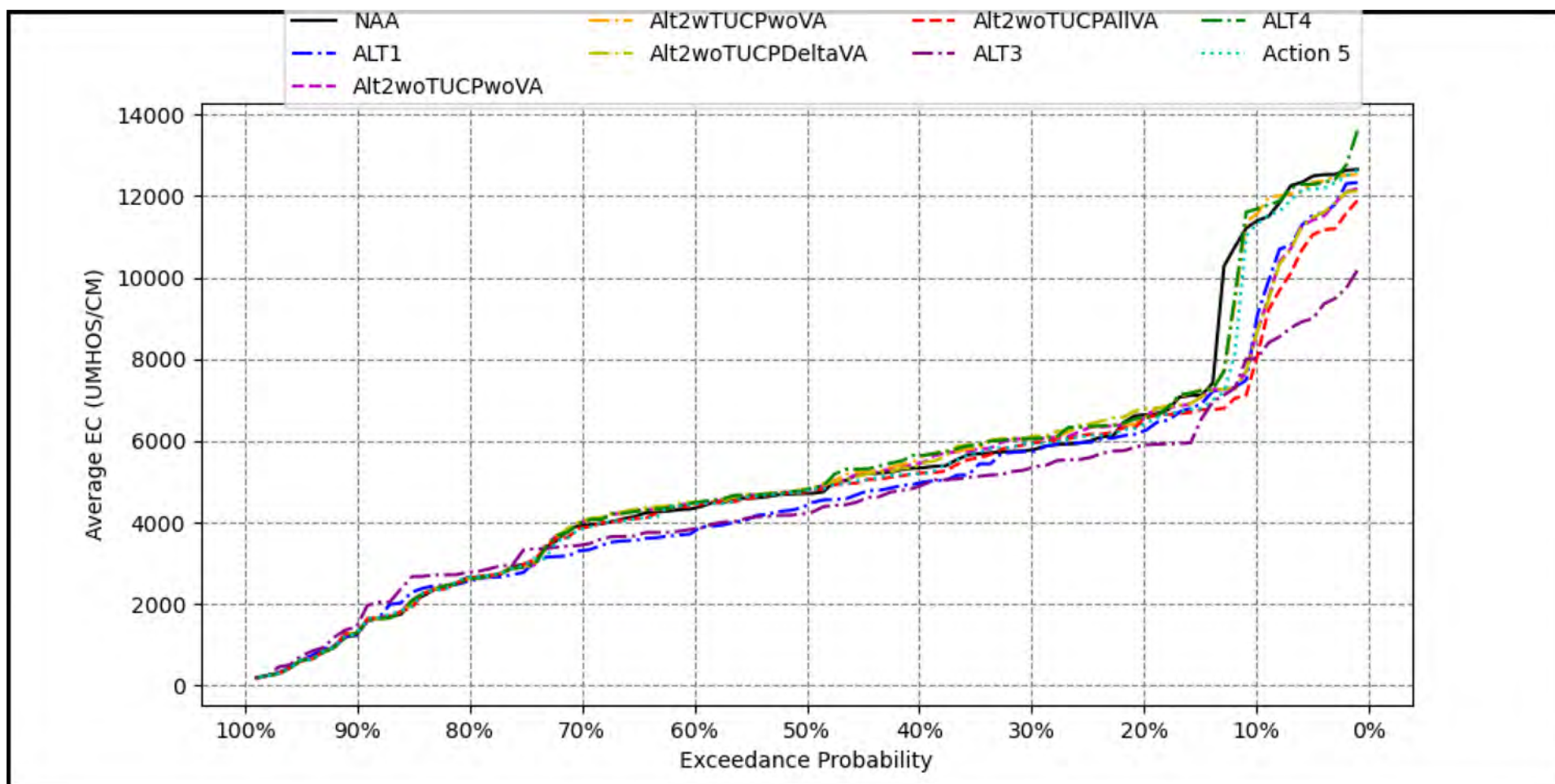
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-16-7 Chipps Island South Channel Salinity, April EC



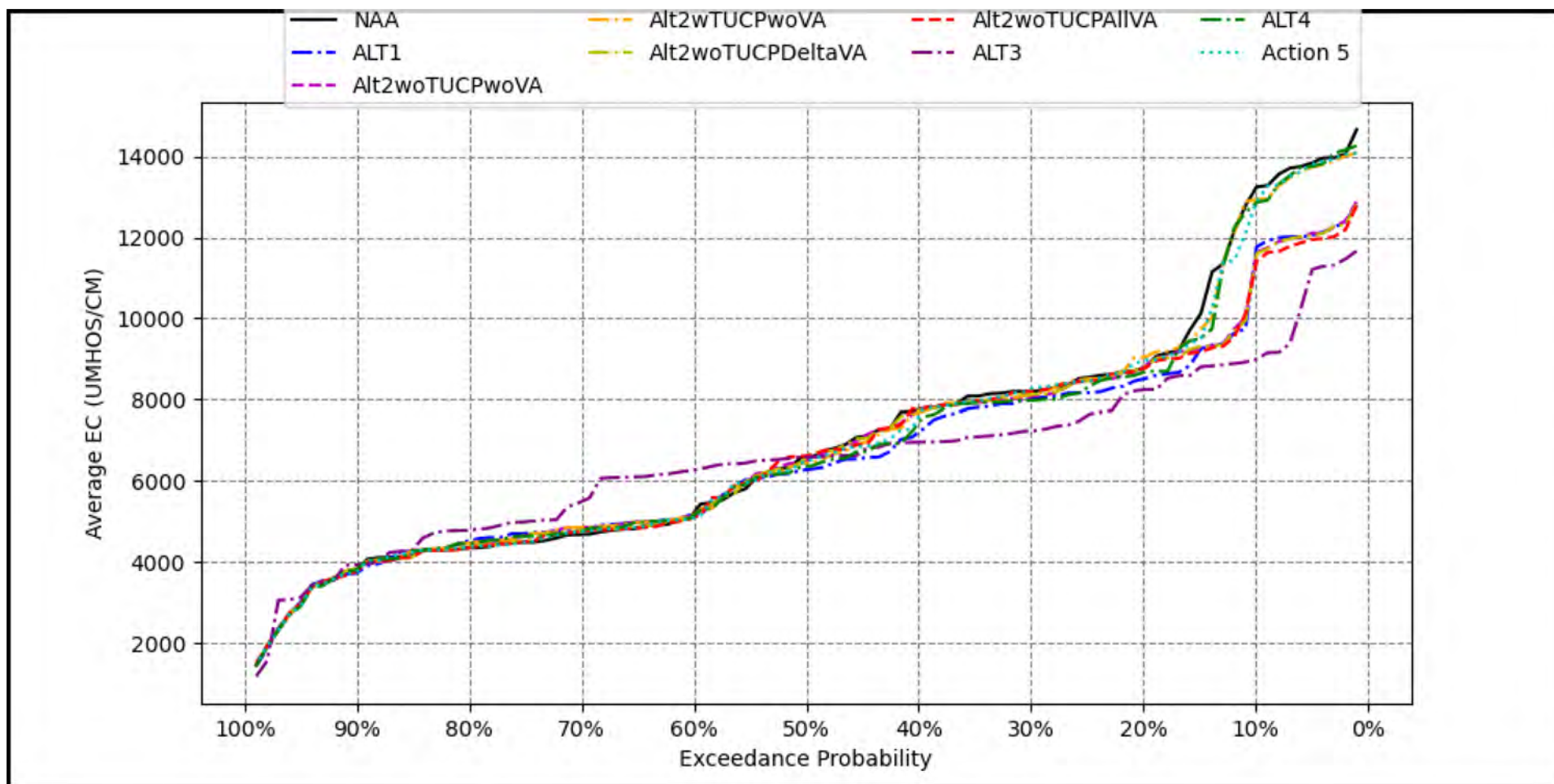
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-16-8 Chipps Island South Channel Salinity, May EC



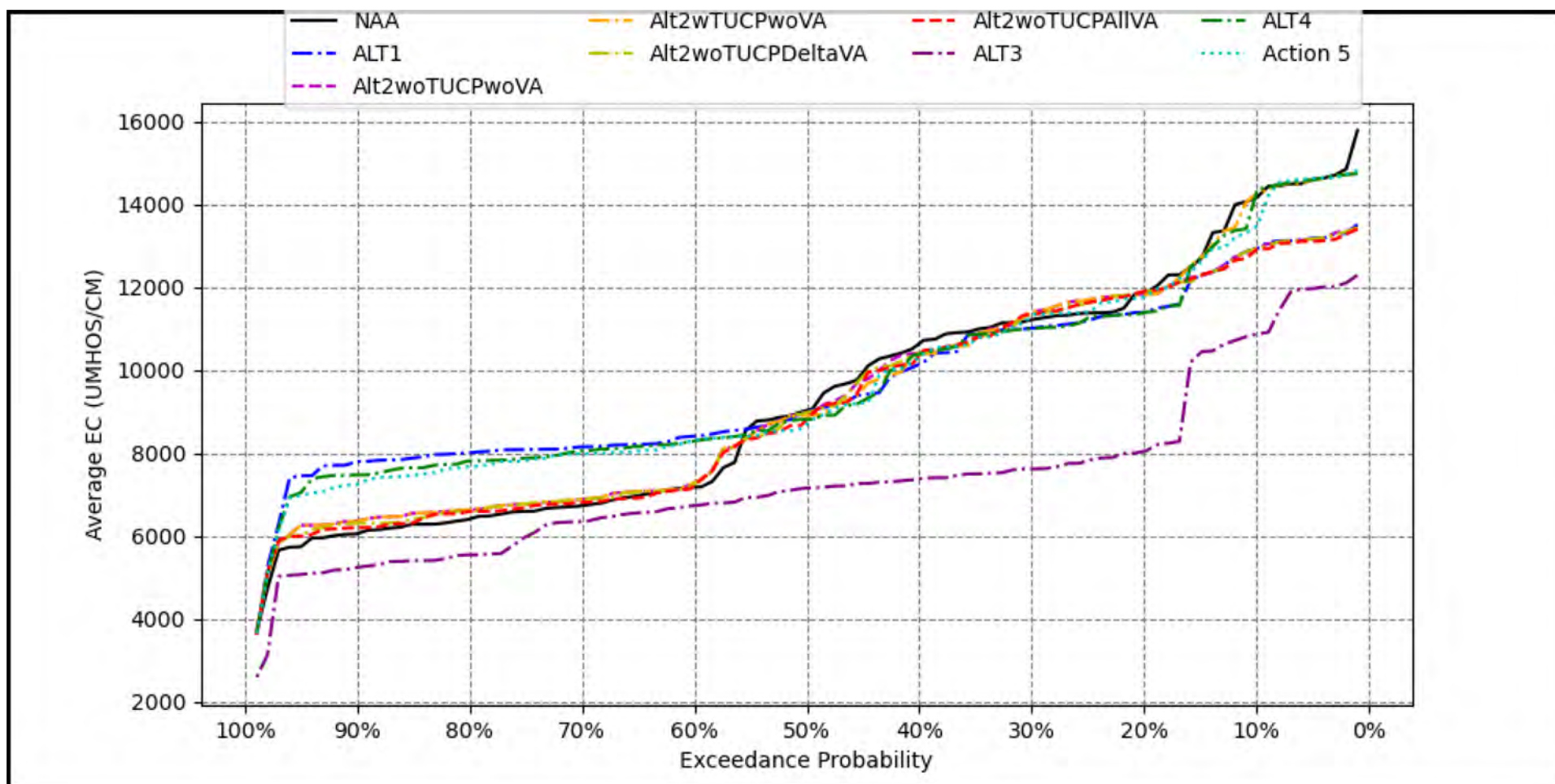
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-16-9 Chipps Island South Channel Salinity, June EC



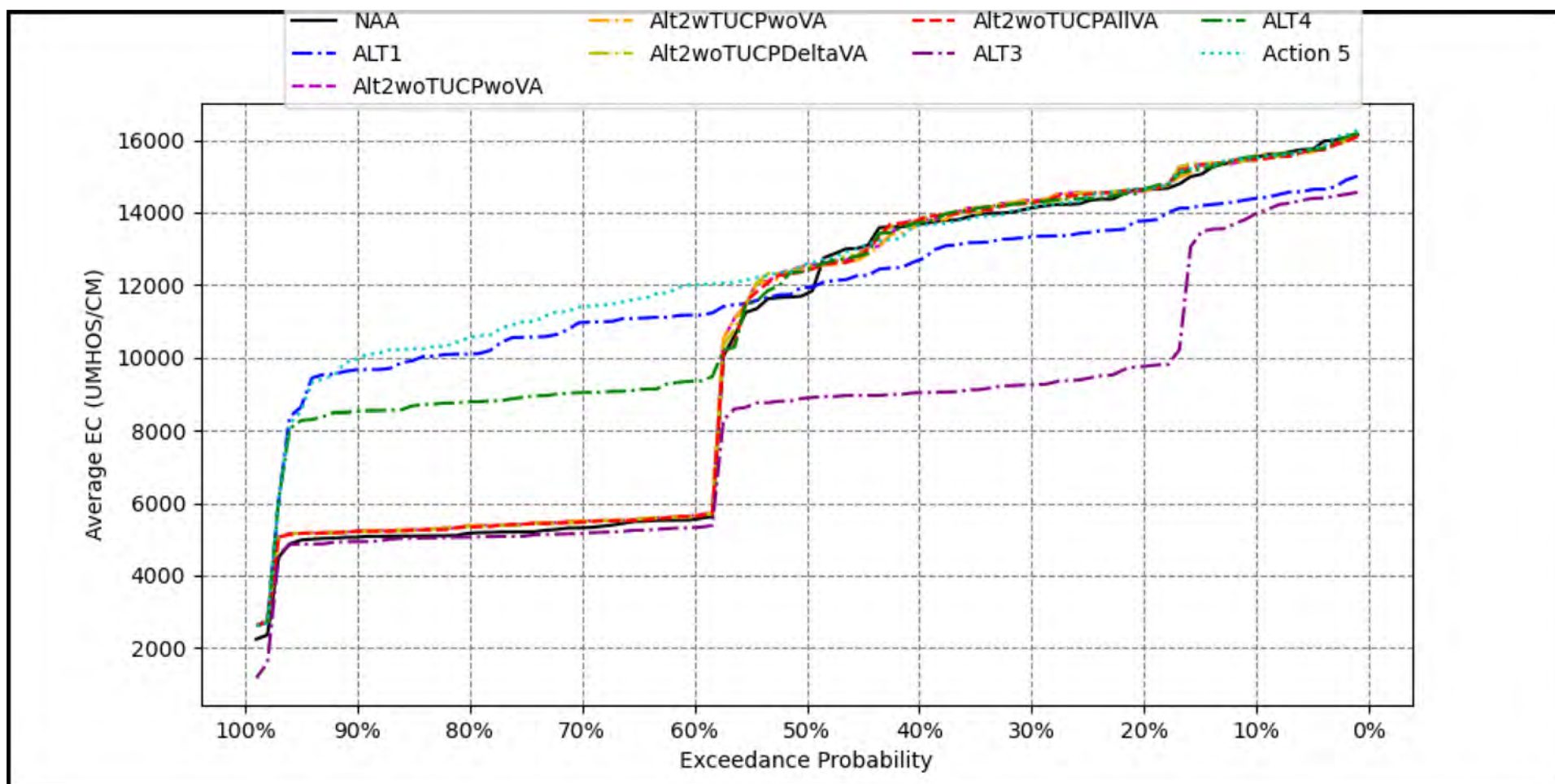
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-16-10 Chipps Island South Channel Salinity, July EC



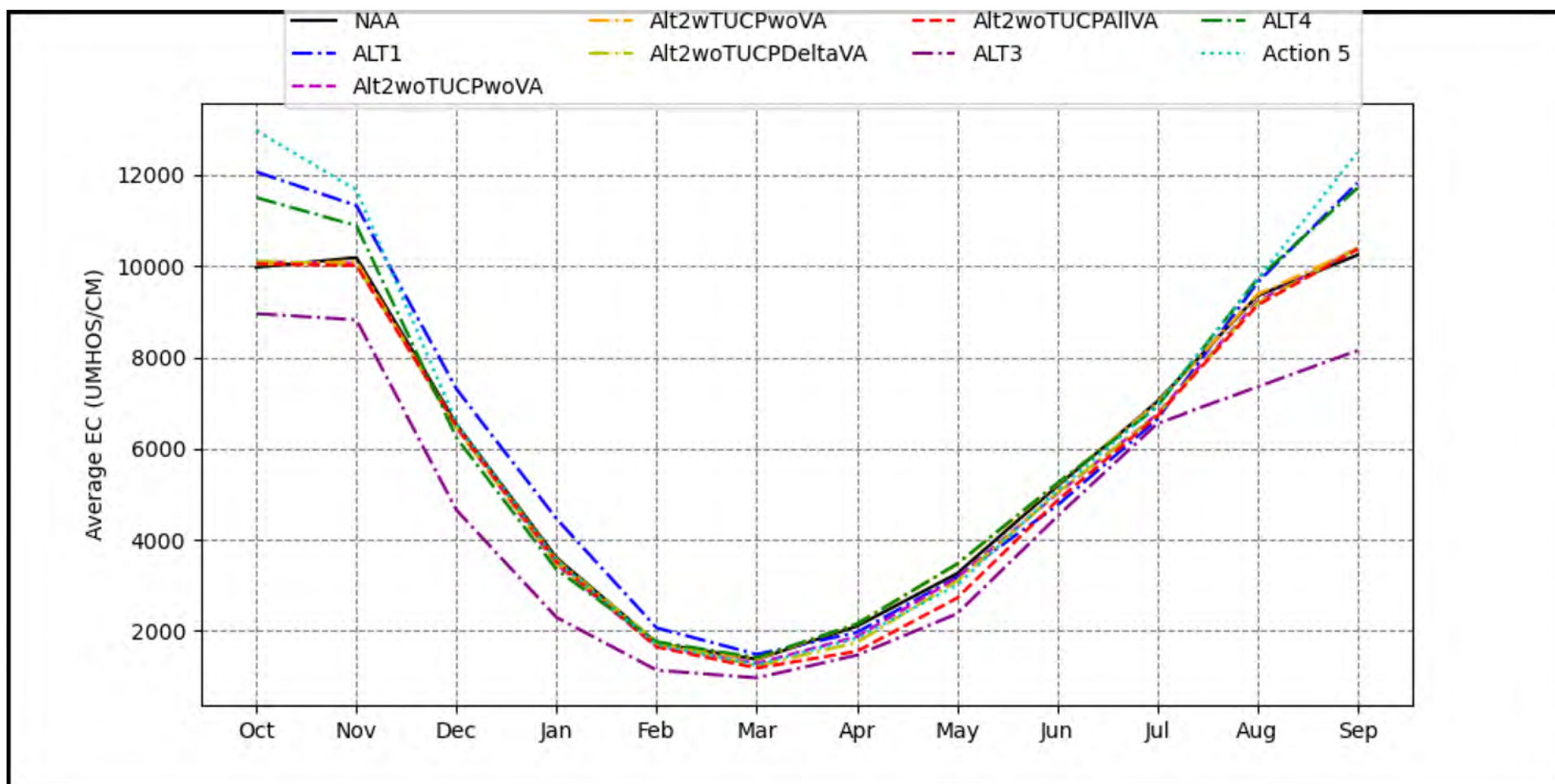
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-16-11 Chipps Island South Channel Salinity, August EC



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

Figure F.2.5-16-12 Chipps Island South Channel Salinity, September EC

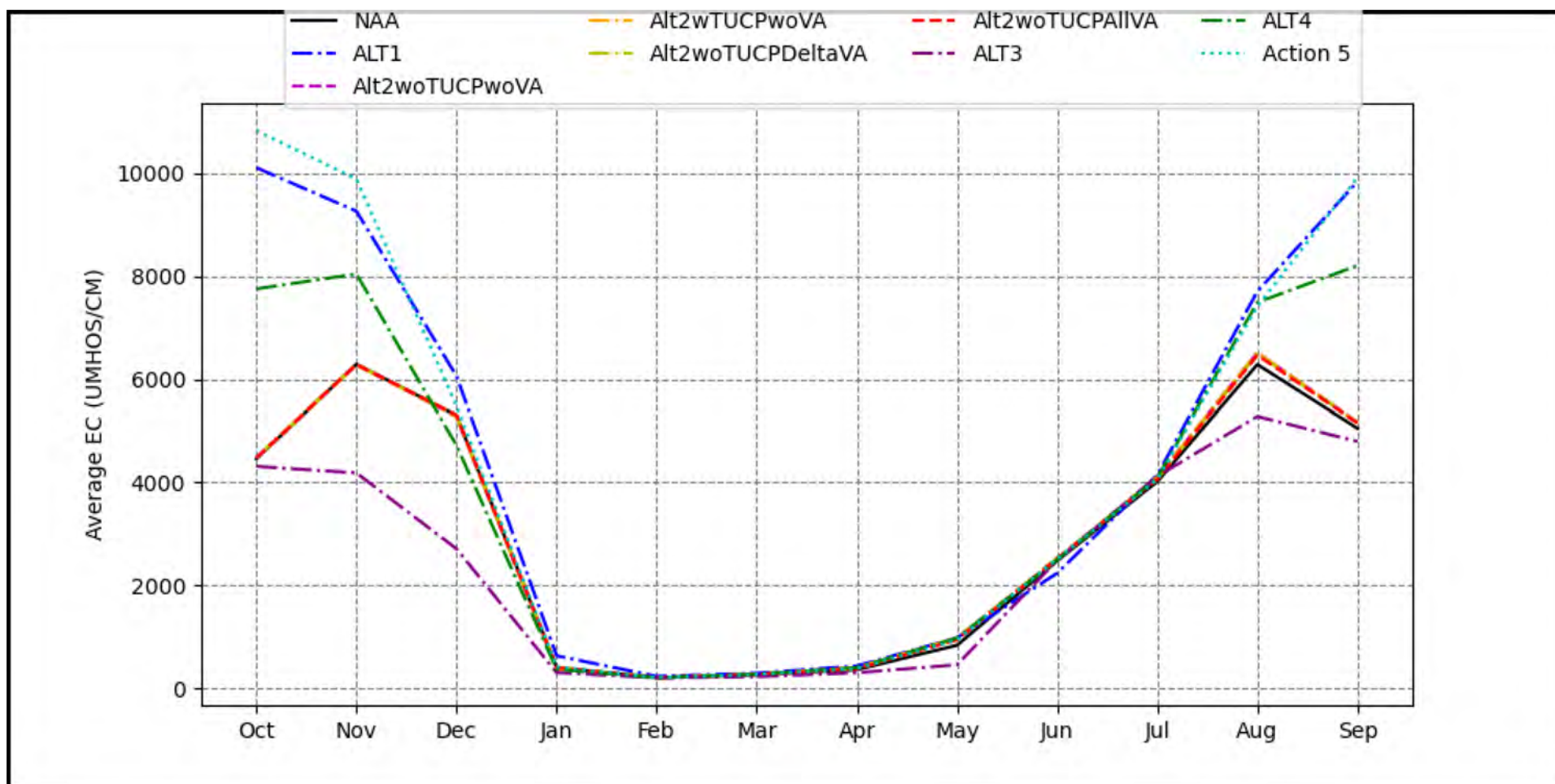


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-16-13 Chippis Island South Channel Salinity, Long Term Average EC (UMHOS/CM)

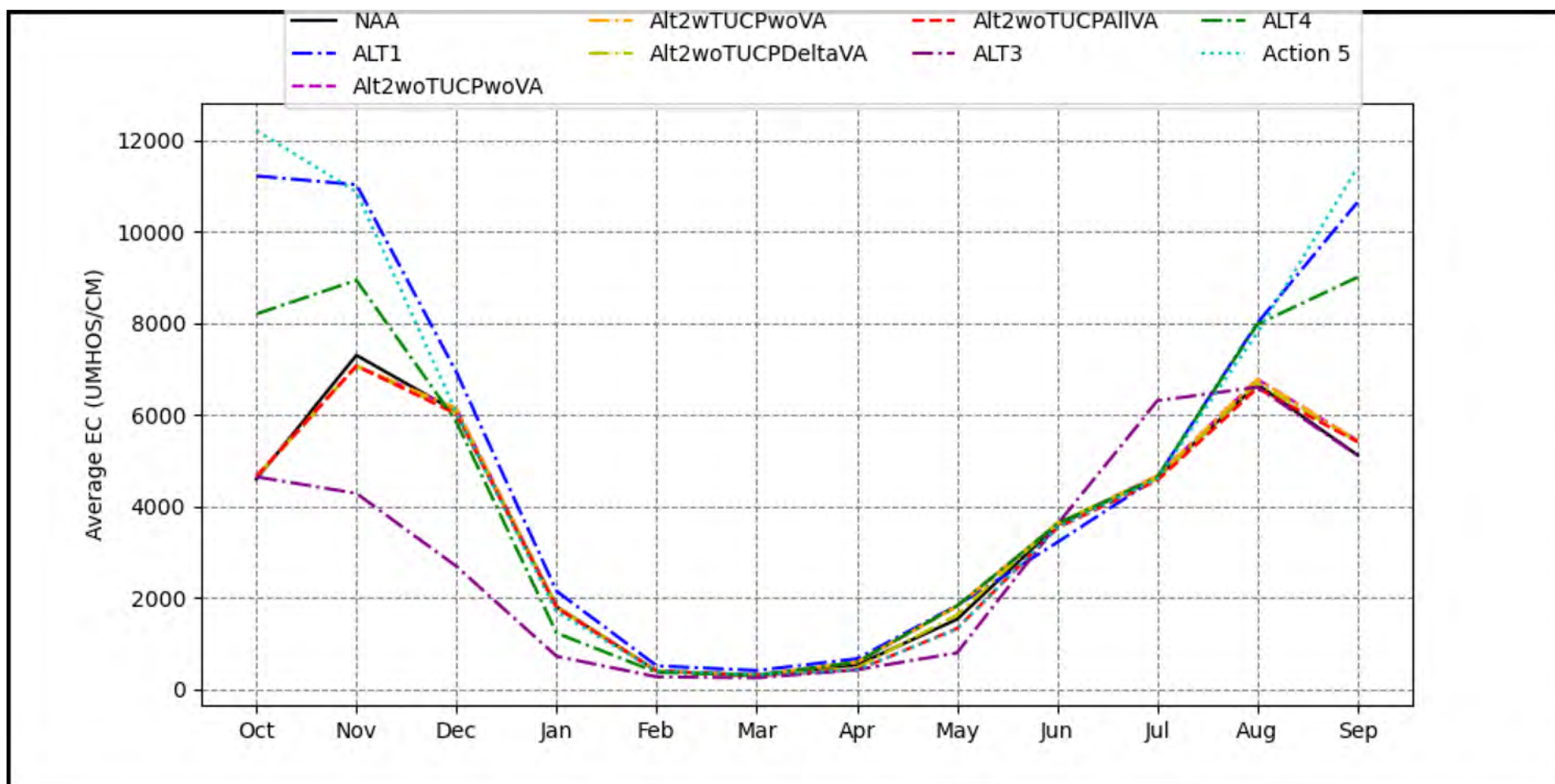


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-16-14 Chippis Island South Channel Salinity, Wet Year Average EC (UMHOS/CM)

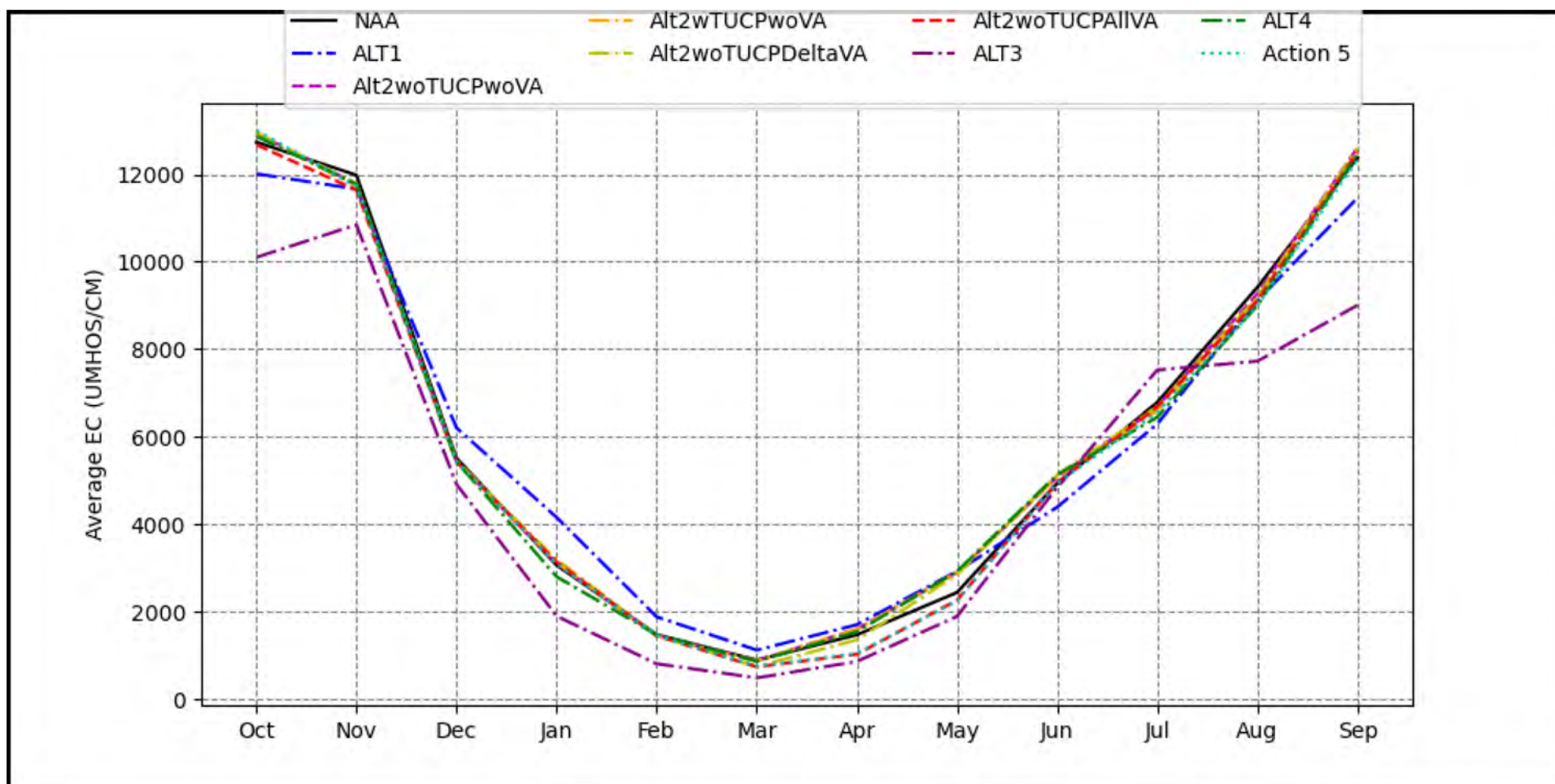


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-16-15 Chipps Island South Channel Salinity, Above Normal Year Average EC (UMHOS/CM)

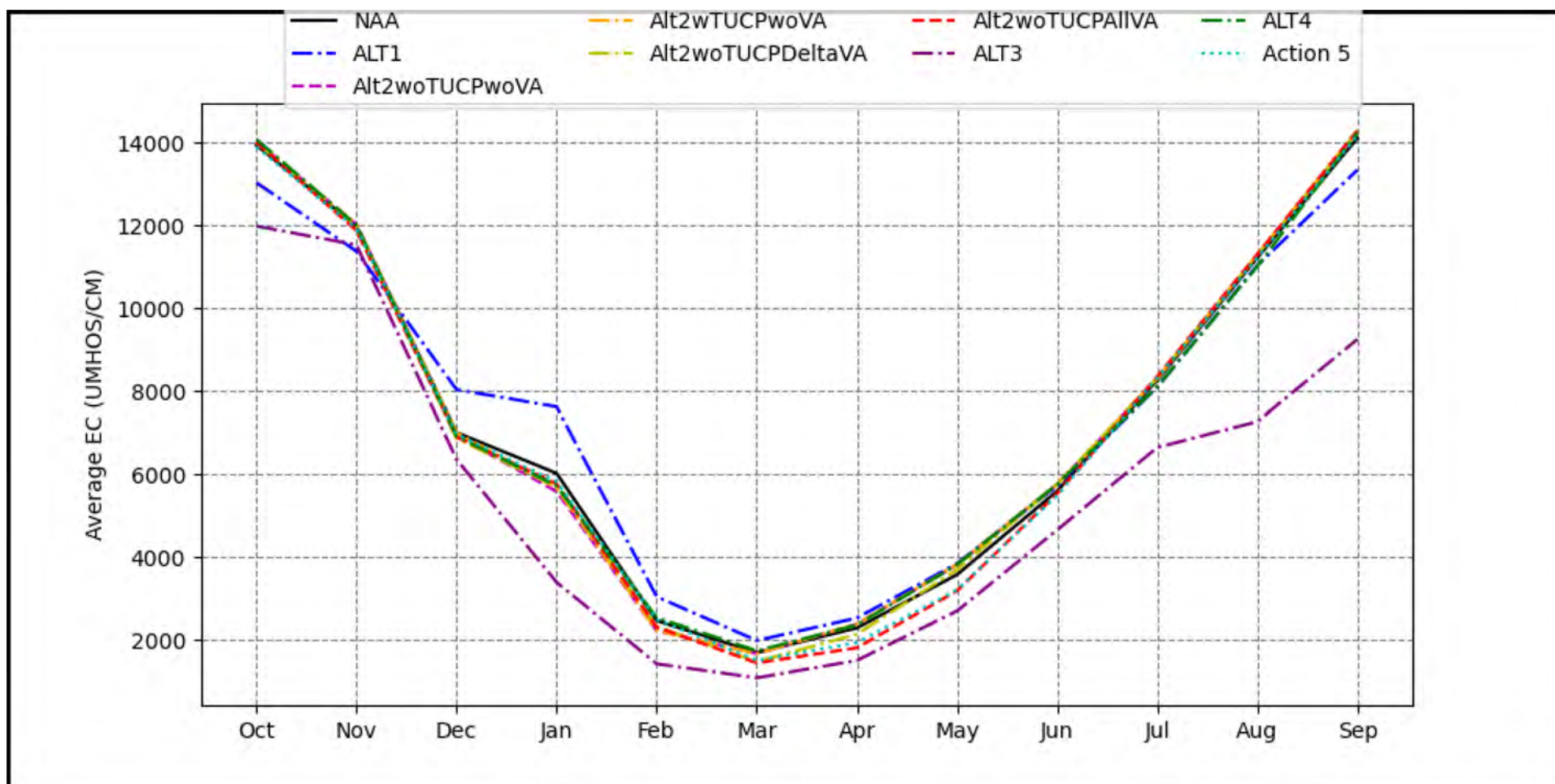


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-16-16 Chippis Island South Channel Salinity, Below Normal Year Average EC (UMHOS/CM)

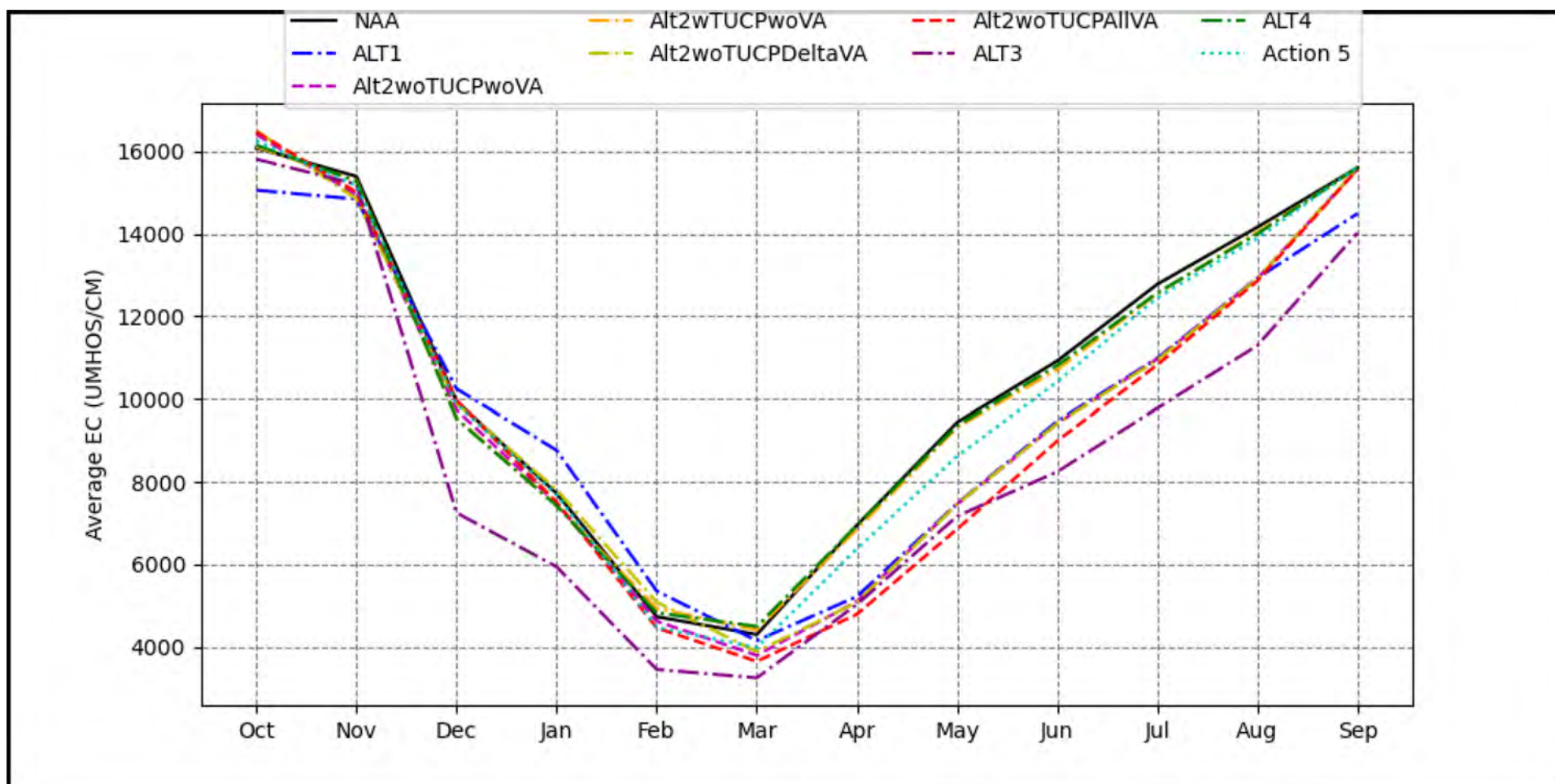


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-16-17 Chippis Island South Channel Salinity, Dry Year Average EC (UMHOS/CM)



*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-16-18 Chipps Island South Channel Salinity, Critical Year Average EC (UMHOS/CM)

F.2.5-17 Sacramento River at Port Chicago Salinity

Table F.2.5-17-1 a. Sacramento River at Port Chicago Salinity, NAA, Monthly EC (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 Years (27.7%)	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 (13.9%)	10,221	12,918	10,292	3,586	1,211	1,168	2,380	4,790	8,526	9,783	12,244	10,598
Below Normal Years (17.8%)	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 Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-17-1 b. Sacramento River at Port Chicago Salinity, ALT1, Monthly EC (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 Years (27.7%)	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 (13.9%)	17,522	16,566	11,218	4,343	1,505	1,505	2,813	5,366	8,035	10,246	14,313	17,124
Below Normal Years (17.8%)	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 Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-17-1 c. Sacramento River at Port Chicago Salinity, ALT1 Minus NAA, Monthly EC (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 Years (27.7%)	6,248	2,998	986	463	85	112	211	309	-315	189	1,577	5,440
Above Normal Years (13.9%)	7,301	3,648	926	757	293	337	432	576	-490	464	2,069	6,526
Below Normal Years (17.8%)	-37	244	1,129	1,735	700	547	468	775	-628	-50	261	-375
Dry Years (23.8%)	-171	5	1,569	2,287	1,087	662	406	396	160	-1	128	-155
Critical Years (15.8%)	-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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-17-2 a. Sacramento River at Port Chicago Salinity, NAA, Monthly EC (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 Years (27.7%)	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 (13.9%)	10,221	12,918	10,292	3,586	1,211	1,168	2,380	4,790	8,526	9,783	12,244	10,598
Below Normal Years (17.8%)	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 Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-17-2 b. Sacramento River at Port Chicago Salinity, Alt2woTUCPwoVA, Monthly EC (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 Years (27.7%)	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 (13.9%)	10,000	12,614	10,310	3,587	1,216	1,178	2,604	5,326	8,532	10,021	12,666	10,889
Below Normal Years (17.8%)	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 Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-17-2 c. Sacramento River at Port Chicago Salinity, Alt2woTUCPwoVA Minus NAA, Monthly EC (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 Years (27.7%)	31	-13	2	-49	3	15	128	310	41	120	266	152
Above Normal Years (13.9%)	-222	-304	18	1	5	9	223	536	6	238	422	291
Below Normal Years (17.8%)	93	-211	-114	40	-44	-31	282	728	146	108	115	183
Dry Years (23.8%)	93	58	-87	-524	-304	-34	168	359	187	118	216	203
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-17-3 a. Sacramento River at Port Chicago Salinity, NAA, Monthly EC (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 Years (27.7%)	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 (13.9%)	10,221	12,918	10,292	3,586	1,211	1,168	2,380	4,790	8,526	9,783	12,244	10,598
Below Normal Years (17.8%)	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 Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-17-3 b. Sacramento River at Port Chicago Salinity, Alt2wTUCPwoVA, Monthly EC (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 Years (27.7%)	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 (13.9%)	9,999	12,621	10,312	3,572	1,211	1,168	2,600	5,323	8,529	10,021	12,667	10,889
Below Normal Years (17.8%)	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 Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-17-3 c. Sacramento River at Port Chicago Salinity, Alt2wTUCPwoVA Minus NAA, Monthly EC (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 Years (27.7%)	30	-11	-1	-53	2	14	127	309	40	124	268	151
Above Normal Years (13.9%)	-222	-297	20	-14	0	0	220	533	4	239	422	291
Below Normal Years (17.8%)	65	-267	-86	33	-81	-47	279	728	150	22	15	106
Dry Years (23.8%)	80	46	-17	-433	-303	-33	168	355	184	118	215	202
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-17-4 a. Sacramento River at Port Chicago Salinity, NAA, Monthly EC (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 Years (27.7%)	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 (13.9%)	10,221	12,918	10,292	3,586	1,211	1,168	2,380	4,790	8,526	9,783	12,244	10,598
Below Normal Years (17.8%)	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 Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-17-4 b. Sacramento River at Port Chicago Salinity, Alt2woTUCPDeltaVA, Monthly EC (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 Years (27.7%)	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 (13.9%)	9,995	12,622	10,259	3,603	1,218	1,147	2,227	5,005	8,588	9,937	12,569	10,858
Below Normal Years (17.8%)	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 Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-17-4 c. Sacramento River at Port Chicago Salinity, Alt2woTUCPDeltaVA Minus NAA, Monthly EC (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 Years (27.7%)	35	-5	17	-6	4	2	67	293	72	75	242	151
Above Normal Years (13.9%)	-226	-296	-33	17	6	-22	-153	216	62	155	325	260
Below Normal Years (17.8%)	115	-195	-99	147	-51	-380	-163	650	202	104	61	174
Dry Years (23.8%)	71	10	-118	-389	-193	-378	-219	179	171	122	219	185
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-17-5 a. Sacramento River at Port Chicago Salinity, NAA, Monthly EC (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 Years (27.7%)	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 (13.9%)	10,221	12,918	10,292	3,586	1,211	1,168	2,380	4,790	8,526	9,783	12,244	10,598
Below Normal Years (17.8%)	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 Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-17-5 b. Sacramento River at Port Chicago Salinity, Alt2woTUCPAIIVA, Monthly EC (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 Years (27.7%)	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 (13.9%)	10,009	12,621	10,222	3,553	1,215	1,154	2,025	4,450	8,437	9,866	12,441	10,862
Below Normal Years (17.8%)	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 Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-17-5 c. Sacramento River at Port Chicago Salinity, Alt2woTUCPAIIVA Minus NAA, Monthly EC (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 Years (27.7%)	27	4	25	-22	4	5	49	244	66	62	209	143
Above Normal Years (13.9%)	-213	-297	-69	-33	4	-15	-356	-340	-88	83	197	264
Below Normal Years (17.8%)	-134	-358	-113	81	-55	-403	-860	-236	49	90	-27	103
Dry Years (23.8%)	70	-104	-93	-312	-212	-451	-850	-567	-72	150	225	185
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-17-6 a. Sacramento River at Port Chicago Salinity, NAA, Monthly EC (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 Years (27.7%)	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 (13.9%)	10,221	12,918	10,292	3,586	1,211	1,168	2,380	4,790	8,526	9,783	12,244	10,598
Below Normal Years (17.8%)	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 Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-17-6 b. Sacramento River at Port Chicago Salinity, ALT3, Monthly EC (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 Years (27.7%)	9,739	8,935	5,998	967	514	711	1,185	1,839	6,519	9,313	11,067	10,348
Above Normal Years (13.9%)	10,042	9,245	6,089	2,077	915	918	1,911	3,052	8,522	11,897	12,327	10,603
Below Normal Years (17.8%)	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 Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-17-6 c. Sacramento River at Port Chicago Salinity, ALT3 Minus NAA, Monthly EC (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 Years (27.7%)	-243	-2,534	-3,118	-241	-58	-173	-273	-1,077	1	-24	-1,345	-274
Above Normal Years (13.9%)	-179	-3,673	-4,203	-1,509	-296	-250	-469	-1,737	-3	2,114	82	5
Below Normal Years (17.8%)	-2,204	-999	-1,028	-1,636	-1,222	-1,054	-1,296	-993	-64	923	-1,617	-3,131
Dry Years (23.8%)	-1,541	-434	-1,029	-3,186	-1,424	-996	-1,405	-1,364	-1,172	-1,670	-3,784	-4,048
Critical Years (15.8%)	-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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-17-7 a. Sacramento River at Port Chicago Salinity, NAA, Monthly EC (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 Years (27.7%)	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 (13.9%)	10,221	12,918	10,292	3,586	1,211	1,168	2,380	4,790	8,526	9,783	12,244	10,598
Below Normal Years (17.8%)	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 Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-17-7 b. Sacramento River at Port Chicago Salinity, ALT4, Monthly EC (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 Years (27.7%)	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 (13.9%)	14,054	14,525	9,854	2,946	1,188	1,176	2,605	5,338	8,541	9,981	14,004	14,937
Below Normal Years (17.8%)	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 Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-17-7 c. Sacramento River at Port Chicago Salinity, ALT4 Minus NAA, Monthly EC (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 Years (27.7%)	3,831	1,789	-748	-82	9	28	136	307	19	99	1,364	3,700
Above Normal Years (13.9%)	3,833	1,607	-438	-640	-24	8	224	549	15	198	1,760	4,339
Below Normal Years (17.8%)	59	-181	-139	-319	-29	-101	163	769	212	-142	-131	66
Dry Years (23.8%)	139	26	-153	-309	103	49	134	362	199	18	111	224
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-17-8 a. Sacramento River at Port Chicago Salinity, NAA, Monthly EC (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 Years (27.7%)	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 (13.9%)	10,221	12,918	10,292	3,586	1,211	1,168	2,380	4,790	8,526	9,783	12,244	10,598
Below Normal Years (17.8%)	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 Years (23.8%)	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 Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-17-8 b. Sacramento River at Port Chicago Salinity, Action 5, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	21,378	19,903	16,971	14,745	10,209	8,942	10,577	13,467	17,069	18,587	19,797	21,106
20% Exceedance	20,347	19,225	16,349	13,206	7,402	6,185	7,587	9,340	11,897	14,850	17,666	20,127
30% Exceedance	19,897	19,001	15,720	9,485	4,535	3,762	5,816	8,820	11,638	14,473	17,448	19,770
40% Exceedance	19,698	18,379	14,816	6,289	3,328	3,209	4,394	7,802	10,762	13,712	16,657	19,117
50% Exceedance	19,375	17,828	11,934	4,799	2,261	2,338	3,744	6,353	10,289	12,336	14,792	18,465
60% Exceedance	18,827	17,542	9,016	3,250	1,357	1,525	2,470	4,888	9,858	10,758	14,443	18,035
70% Exceedance	18,269	17,079	5,154	1,504	767	945	1,887	4,043	9,070	10,197	14,310	17,528
80% Exceedance	17,629	15,925	3,016	813	435	583	1,108	2,157	7,194	9,777	13,867	16,977
90% Exceedance	16,627	10,928	1,368	375	240	319	735	1,490	5,377	9,149	13,475	16,024
Full Simulation Period Average ^a	18,515	16,649	10,409	6,329	3,724	3,408	4,613	6,736	10,132	12,687	15,887	18,356
Wet Years (27.7%)	16,624	14,705	9,157	1,201	582	911	1,523	3,155	6,574	9,390	13,682	16,108
Above Normal Years (13.9%)	17,850	15,963	9,975	3,415	1,236	1,204	2,049	4,439	8,458	9,903	13,789	17,395
Below Normal Years (17.8%)	18,566	17,018	8,741	6,099	3,945	2,898	3,730	6,131	10,214	12,252	15,083	18,174
Dry Years (23.8%)	19,169	16,759	10,783	10,277	5,387	4,436	5,642	7,834	11,086	14,516	17,447	19,769
Critical Years (15.8%)	21,579	20,142	14,623	12,187	8,656	8,738	11,717	14,044	16,299	18,638	20,142	21,215

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-17-8 c. Sacramento River at Port Chicago Salinity, Action 5 Minus NAA, Monthly EC (UMHOS/CM)

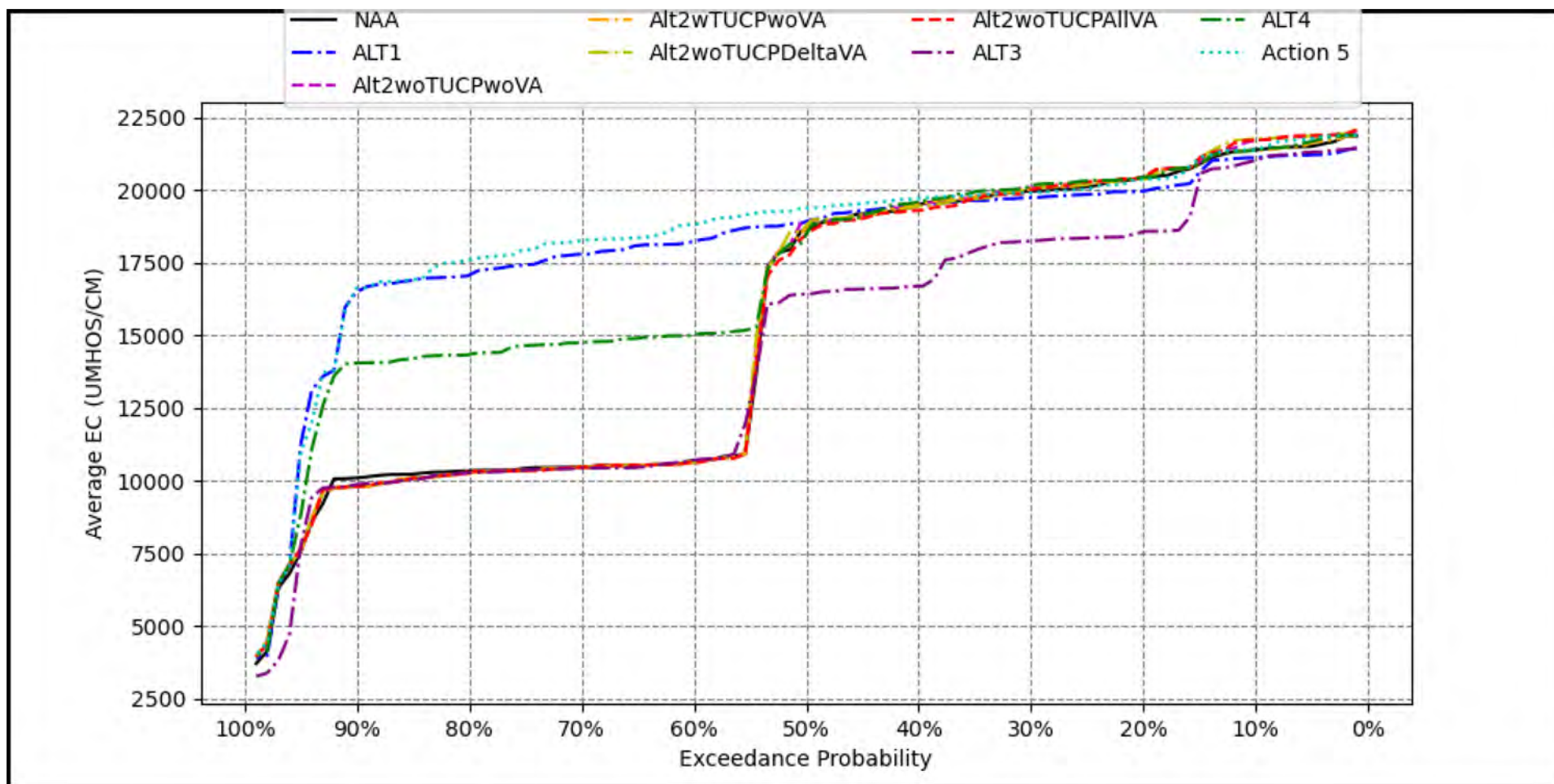
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	25	-216	-194	-106	16	-559	-673	-578	215	-83	-488	30
20% Exceedance	-28	-111	-132	-655	-88	-629	-1,481	-465	-89	177	39	60
30% Exceedance	-60	66	-286	-658	112	-213	-601	-343	170	87	397	70
40% Exceedance	235	460	-260	-383	-57	-103	-701	-565	-181	-151	-89	-73
50% Exceedance	752	3,233	-231	35	107	-146	-94	-383	25	69	-94	448
60% Exceedance	8,135	3,208	550	85	26	21	-391	-336	38	-62	1,093	6,703
70% Exceedance	7,781	3,132	160	15	15	19	-138	103	43	129	1,444	6,516
80% Exceedance	7,273	2,918	-84	-19	1	22	-14	-129	58	26	1,384	6,158
90% Exceedance	6,494	1,683	-71	-8	1	7	-53	128	74	108	1,515	5,445
Full Simulation Period Average ^a	3,091	1,320	-64	-95	-42	-171	-405	-277	-94	6	552	2,504
Wet Years (27.7%)	6,642	3,236	40	-7	10	27	65	239	56	53	1,271	5,486
Above Normal Years (13.9%)	7,629	3,045	-317	-171	25	36	-331	-351	-68	121	1,545	6,797
Below Normal Years (17.8%)	254	-225	-72	-24	-104	-363	-819	-270	41	-44	-135	-39
Dry Years (23.8%)	-37	-47	-76	-188	-9	-312	-584	-524	-122	137	177	93
Critical Years (15.8%)	137	-186	-110	-126	-174	-268	-558	-752	-488	-319	-239	5

^a Based on the 100-year simulation period.

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

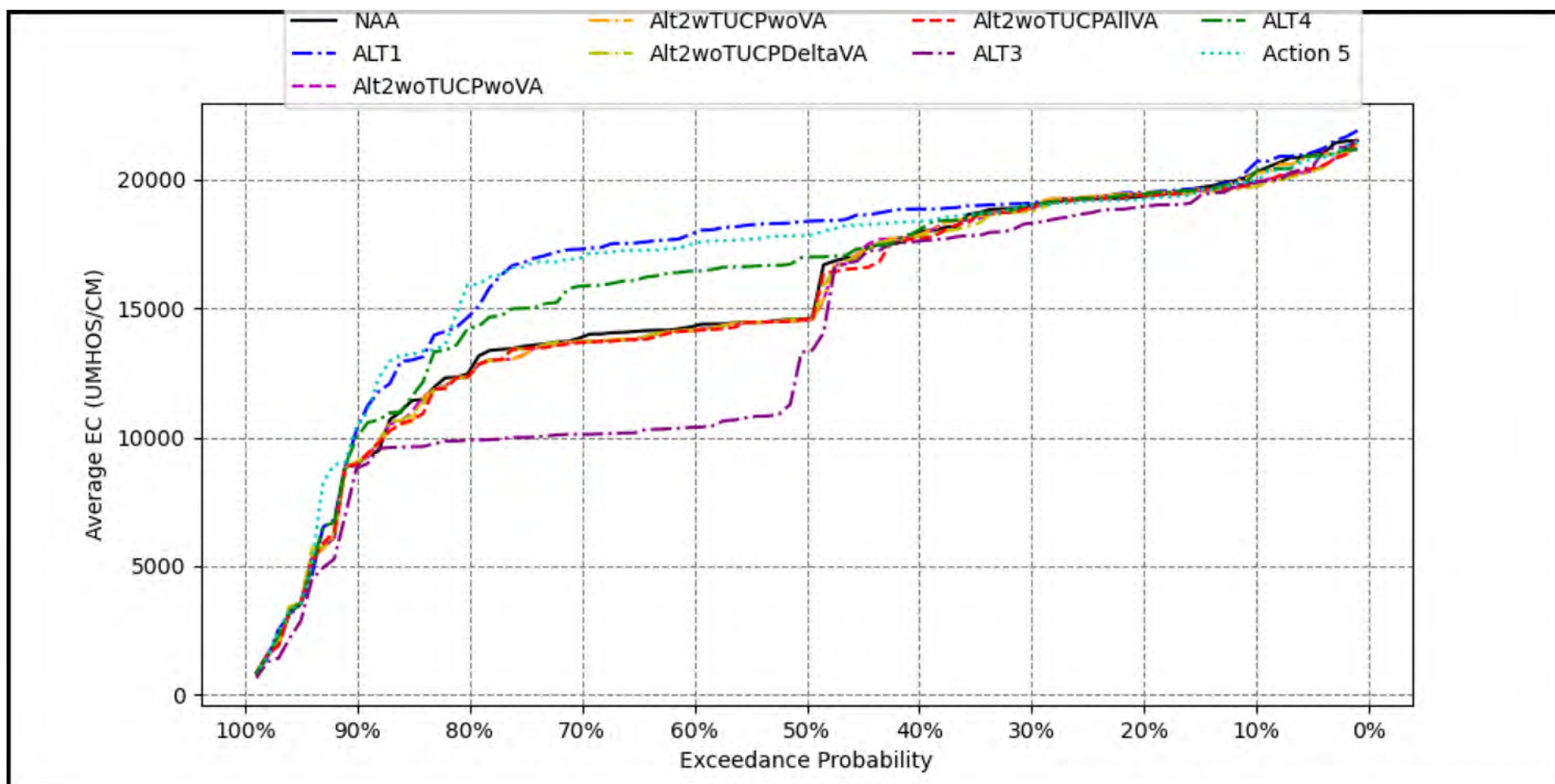
* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.



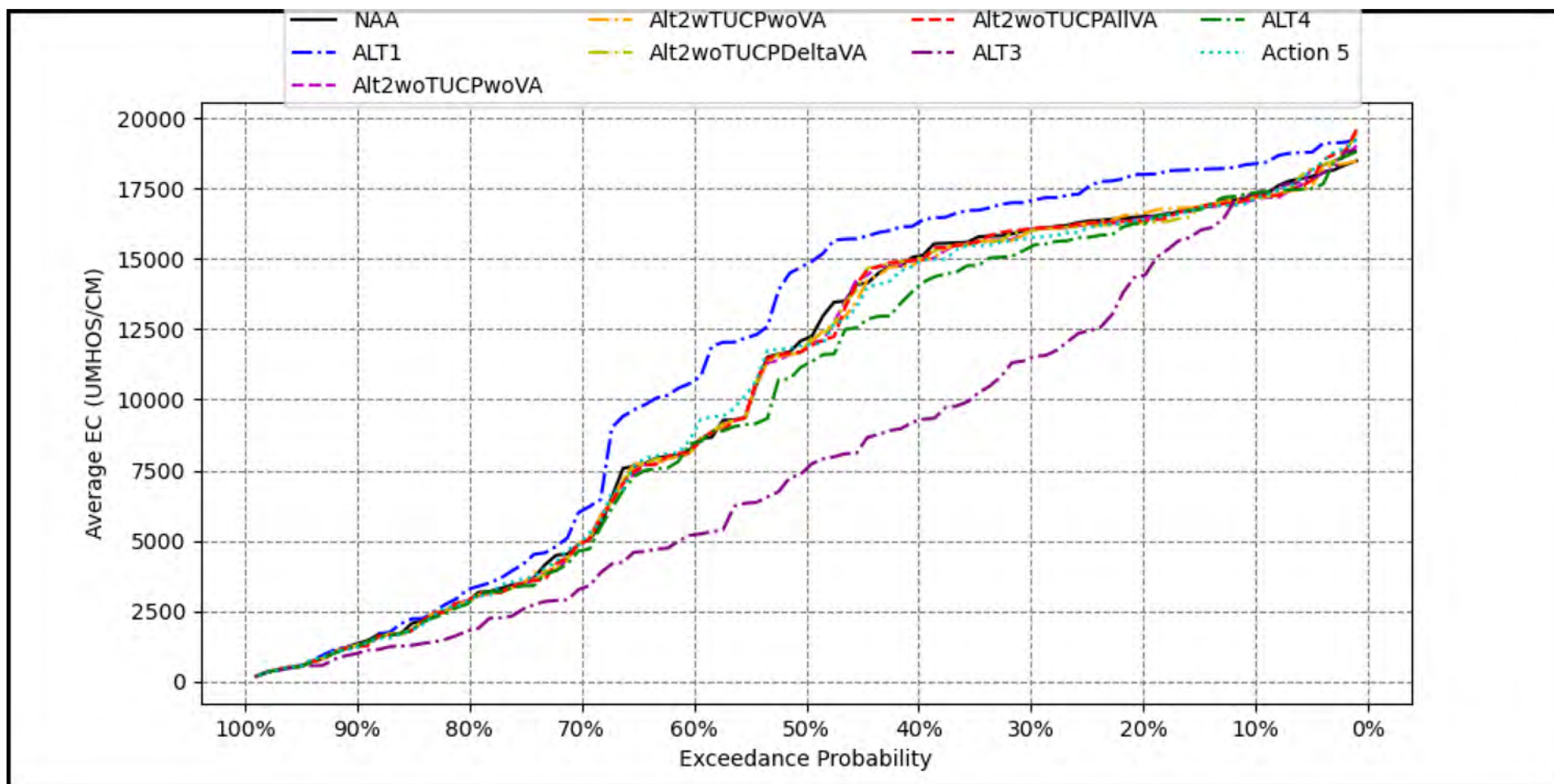
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-17-1 Sacramento River at Port Chicago Salinity, October EC



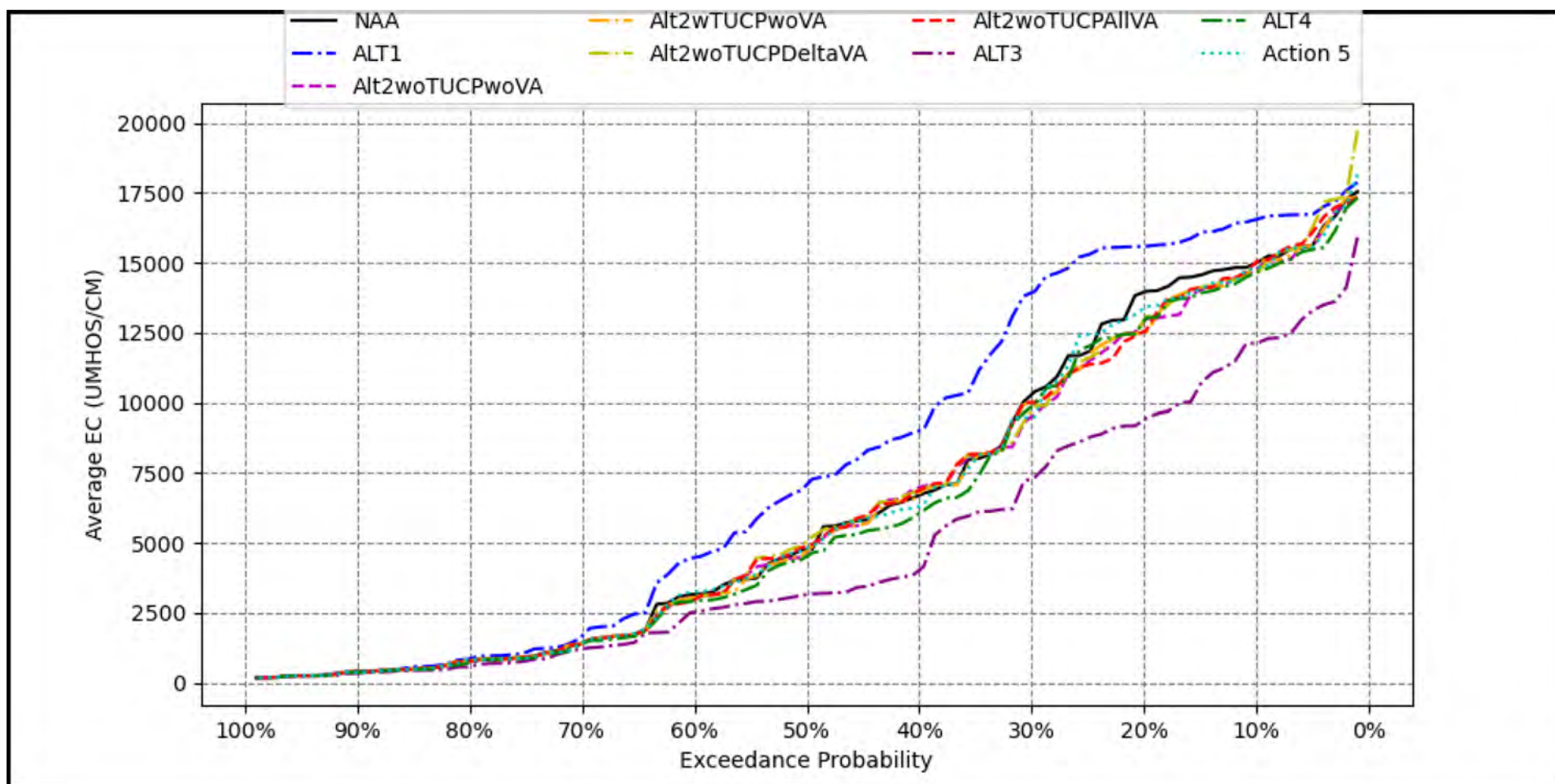
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-17-2 Sacramento River at Port Chicago Salinity, November EC



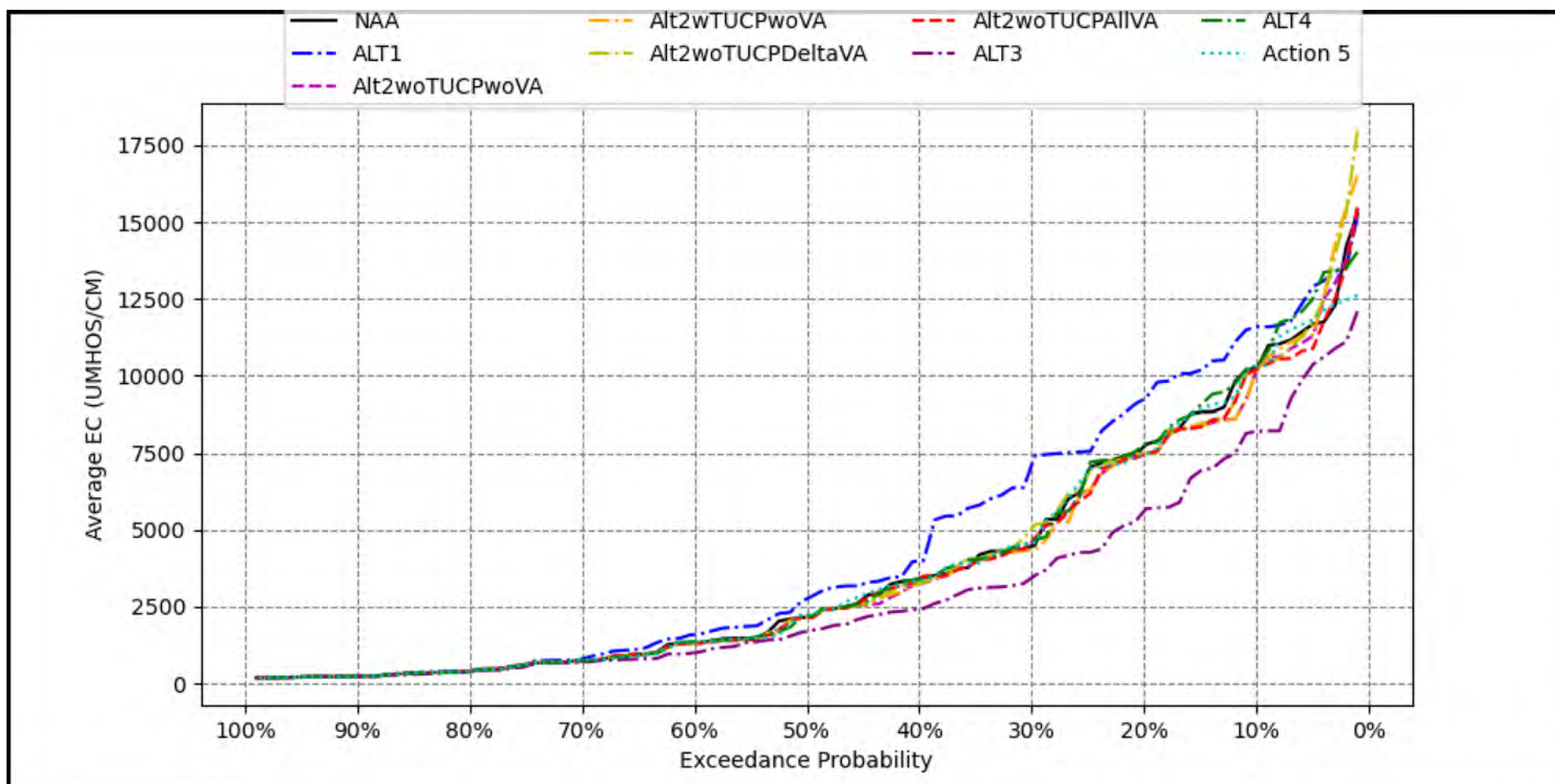
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-17-3 Sacramento River at Port Chicago Salinity, December EC



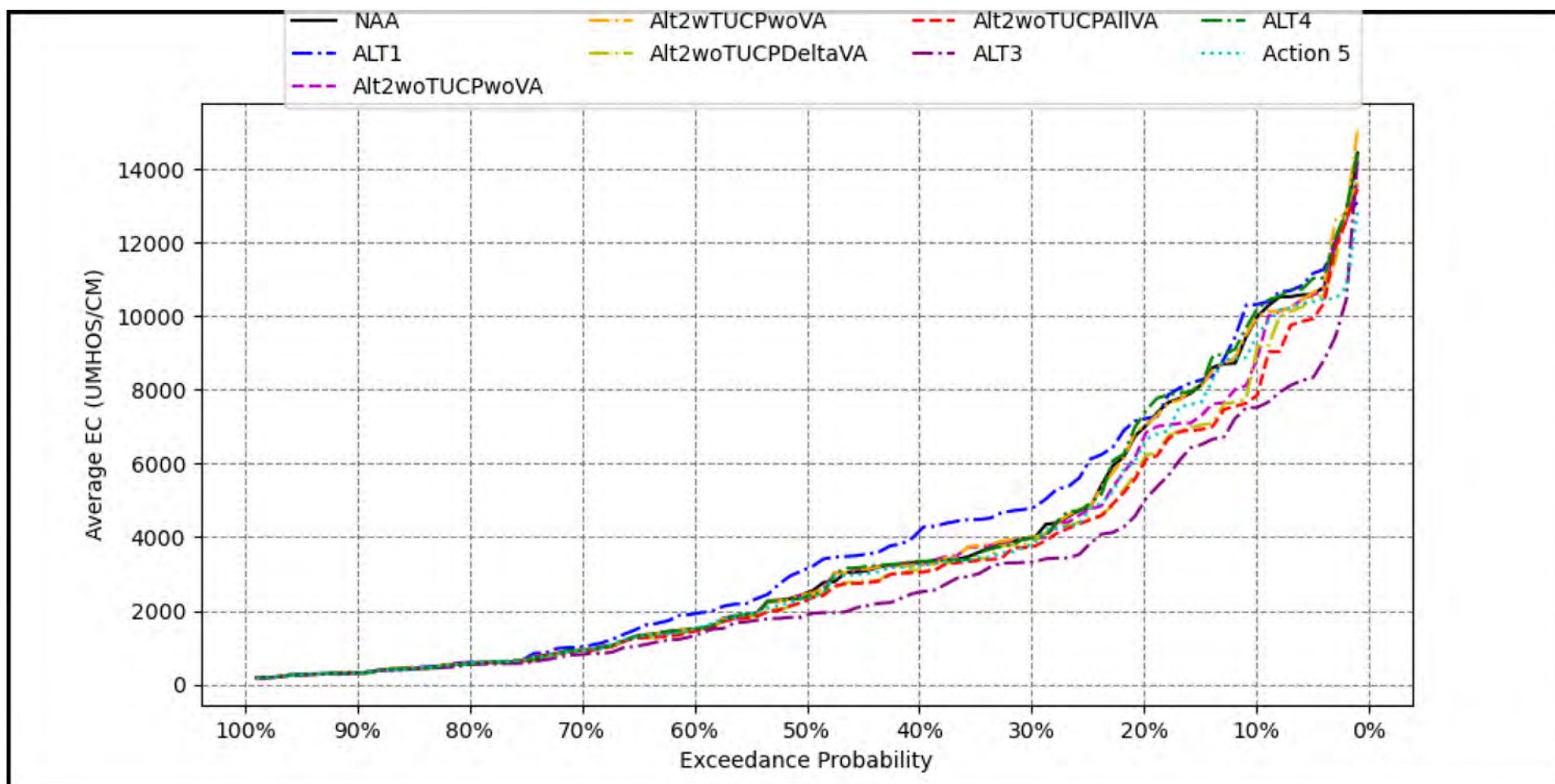
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-17-4 Sacramento River at Port Chicago Salinity, January EC



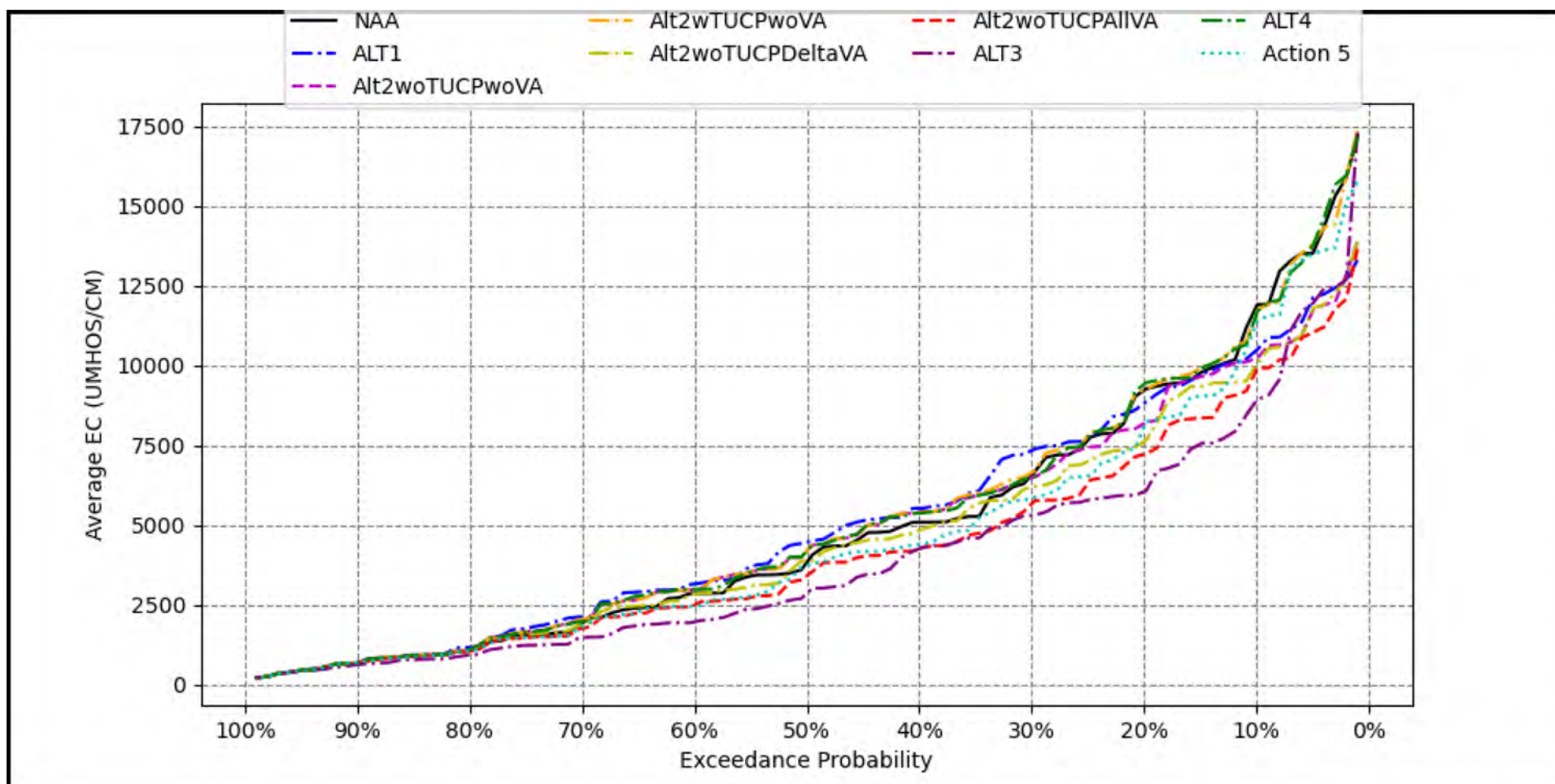
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-17-5 Sacramento River at Port Chicago Salinity, February EC



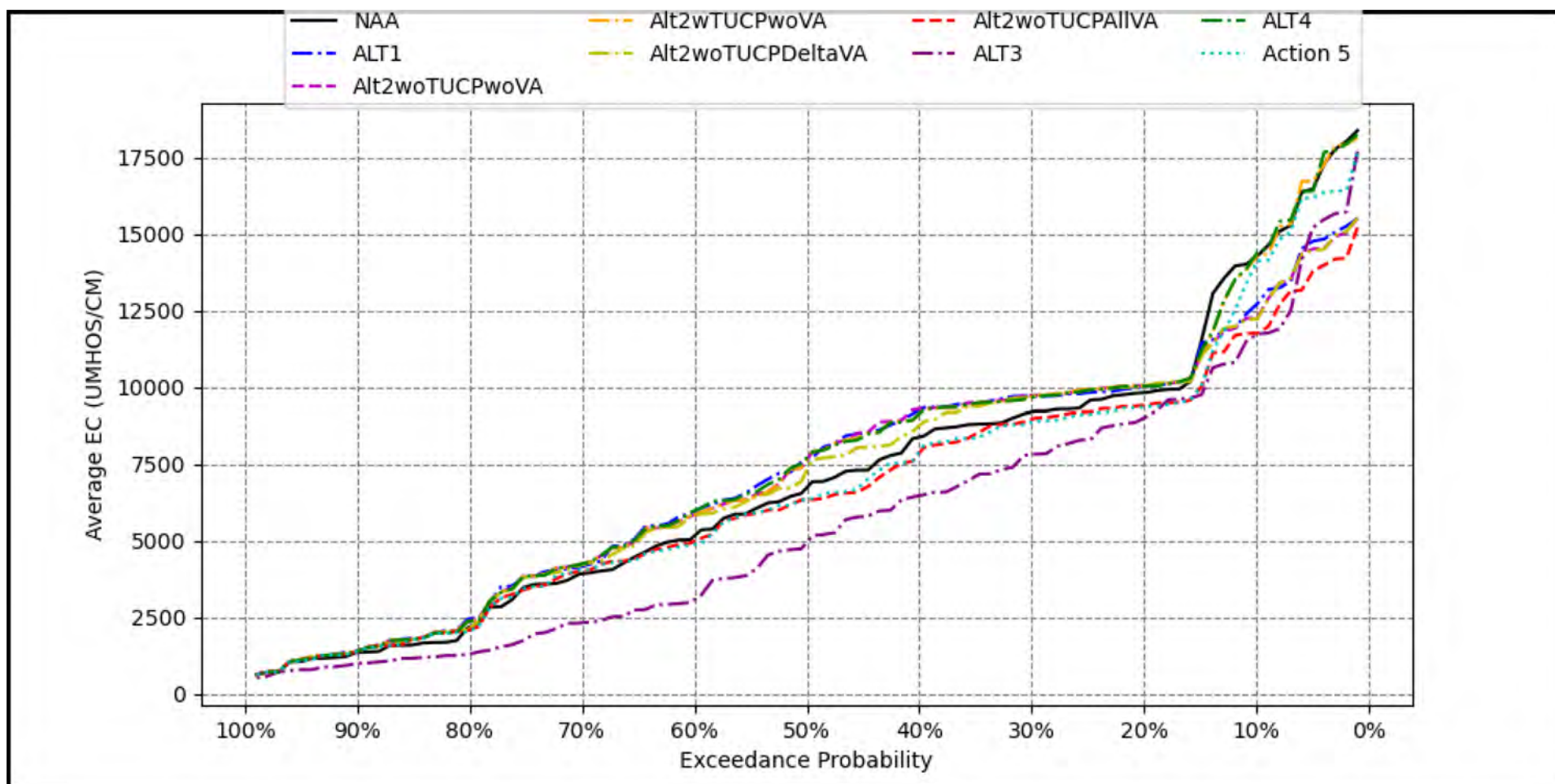
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-17-6 Sacramento River at Port Chicago Salinity, March EC



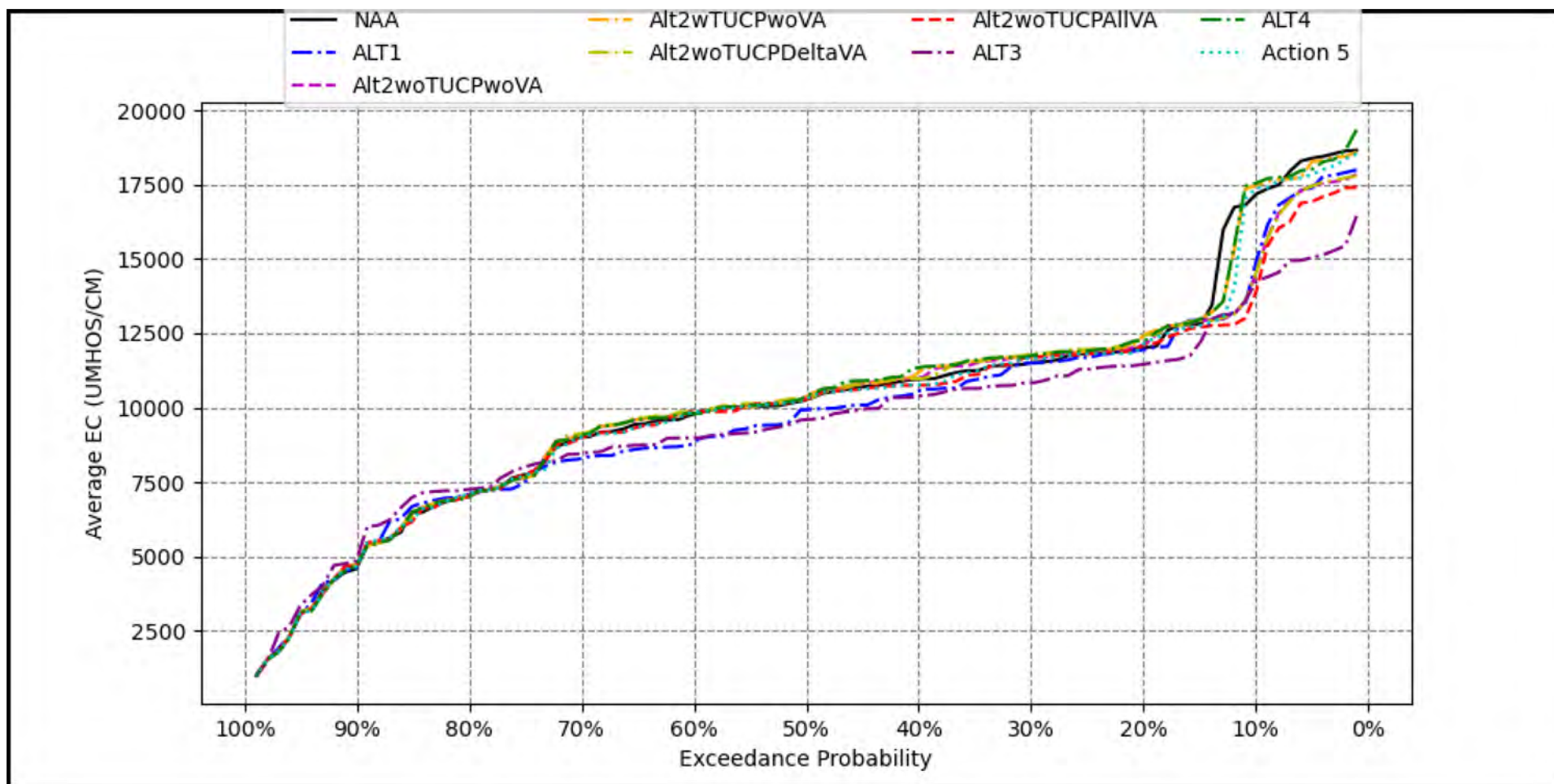
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-17-7 Sacramento River at Port Chicago Salinity, April EC



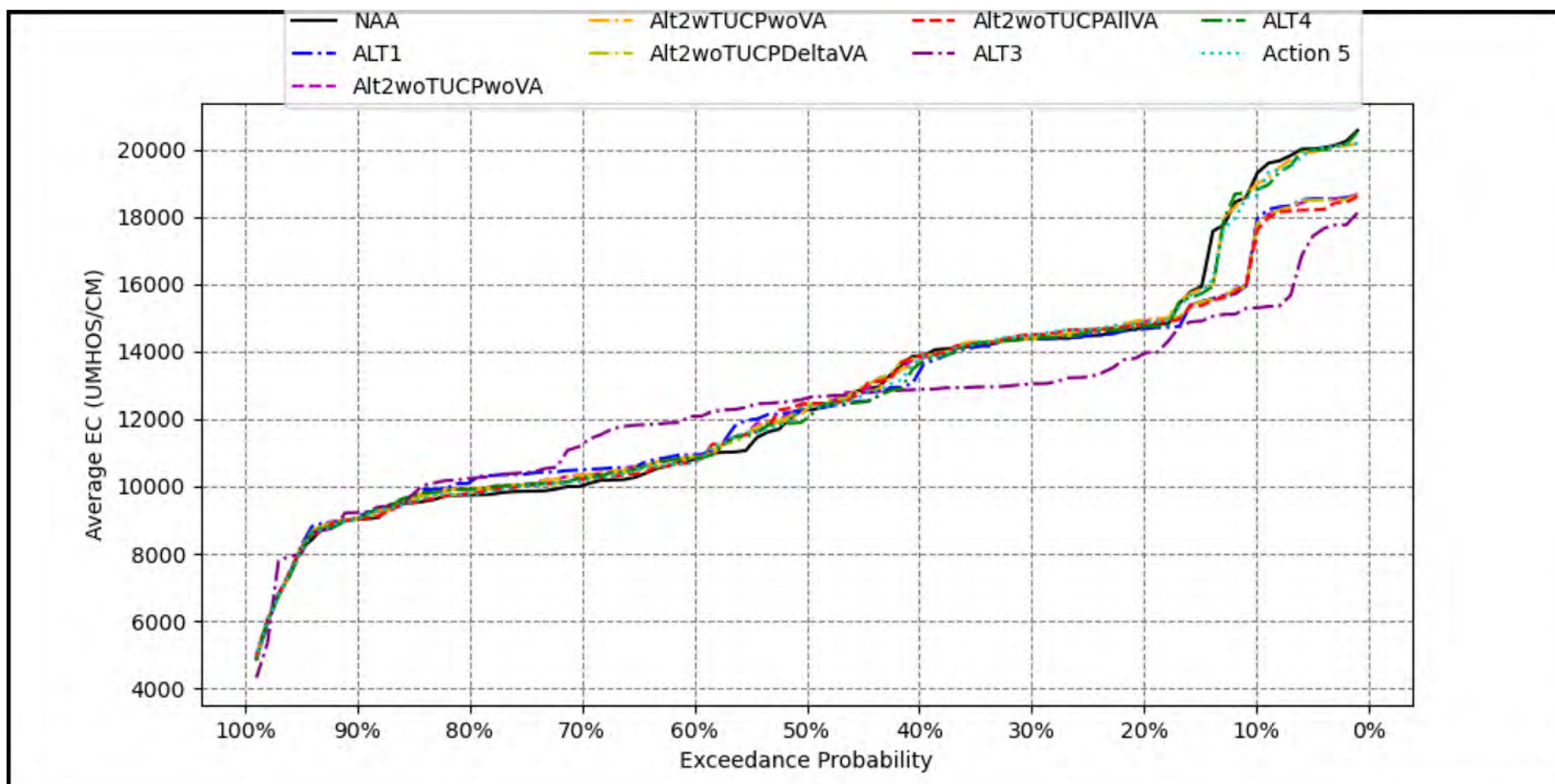
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-17-8 Sacramento River at Port Chicago Salinity, May EC



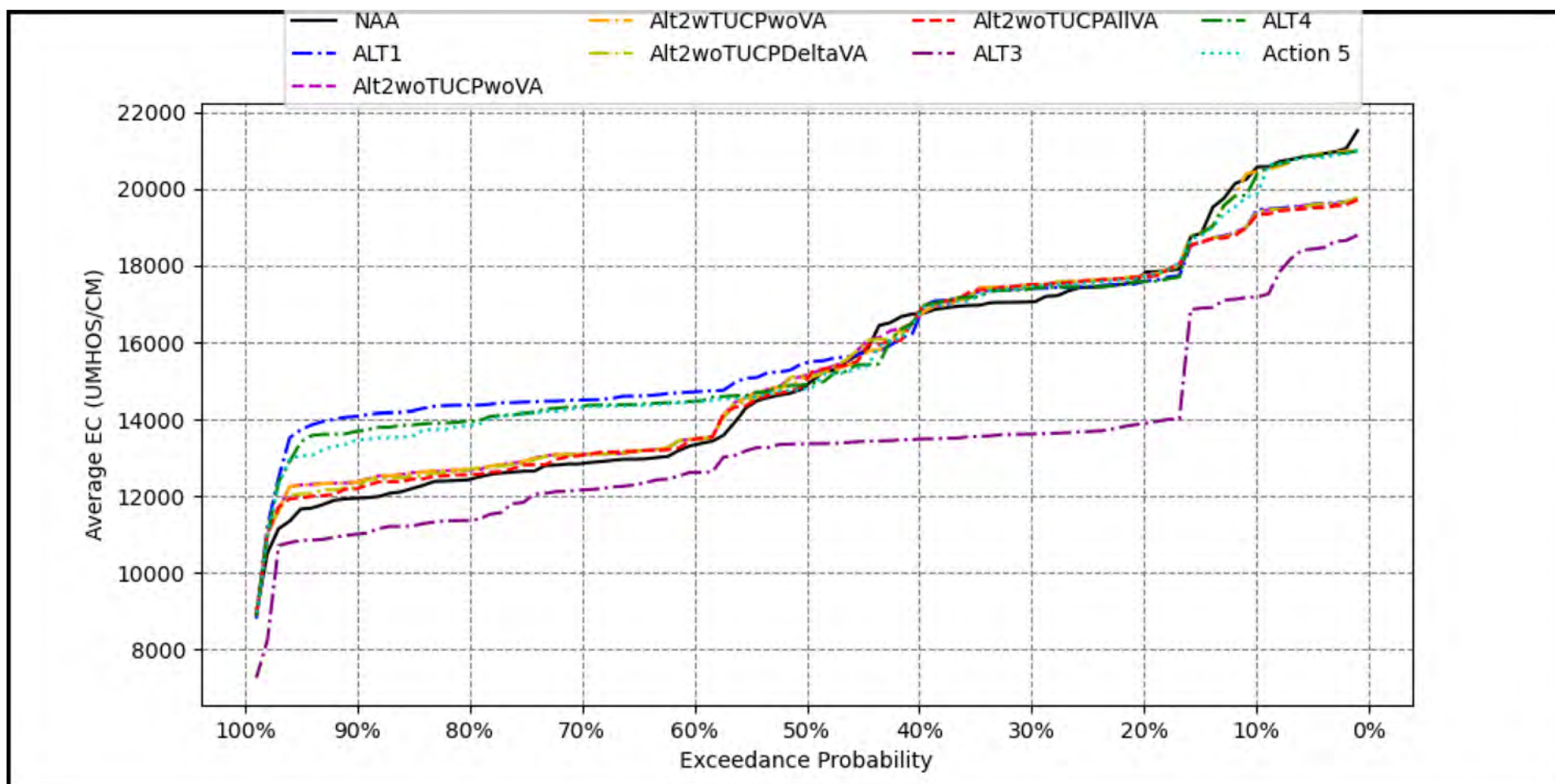
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-17-9 Sacramento River at Port Chicago Salinity, June EC



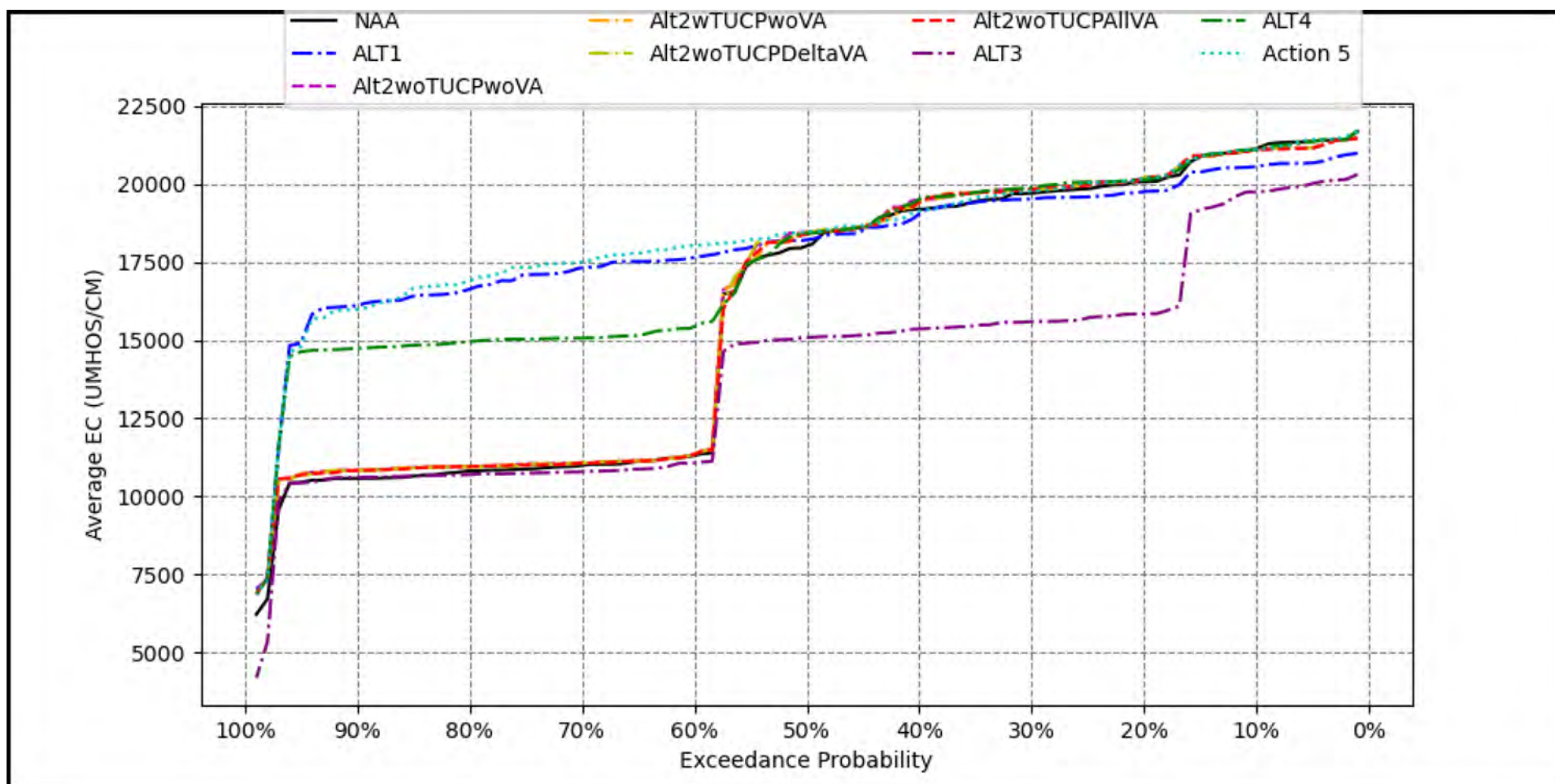
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-17-10 Sacramento River at Port Chicago Salinity, July EC



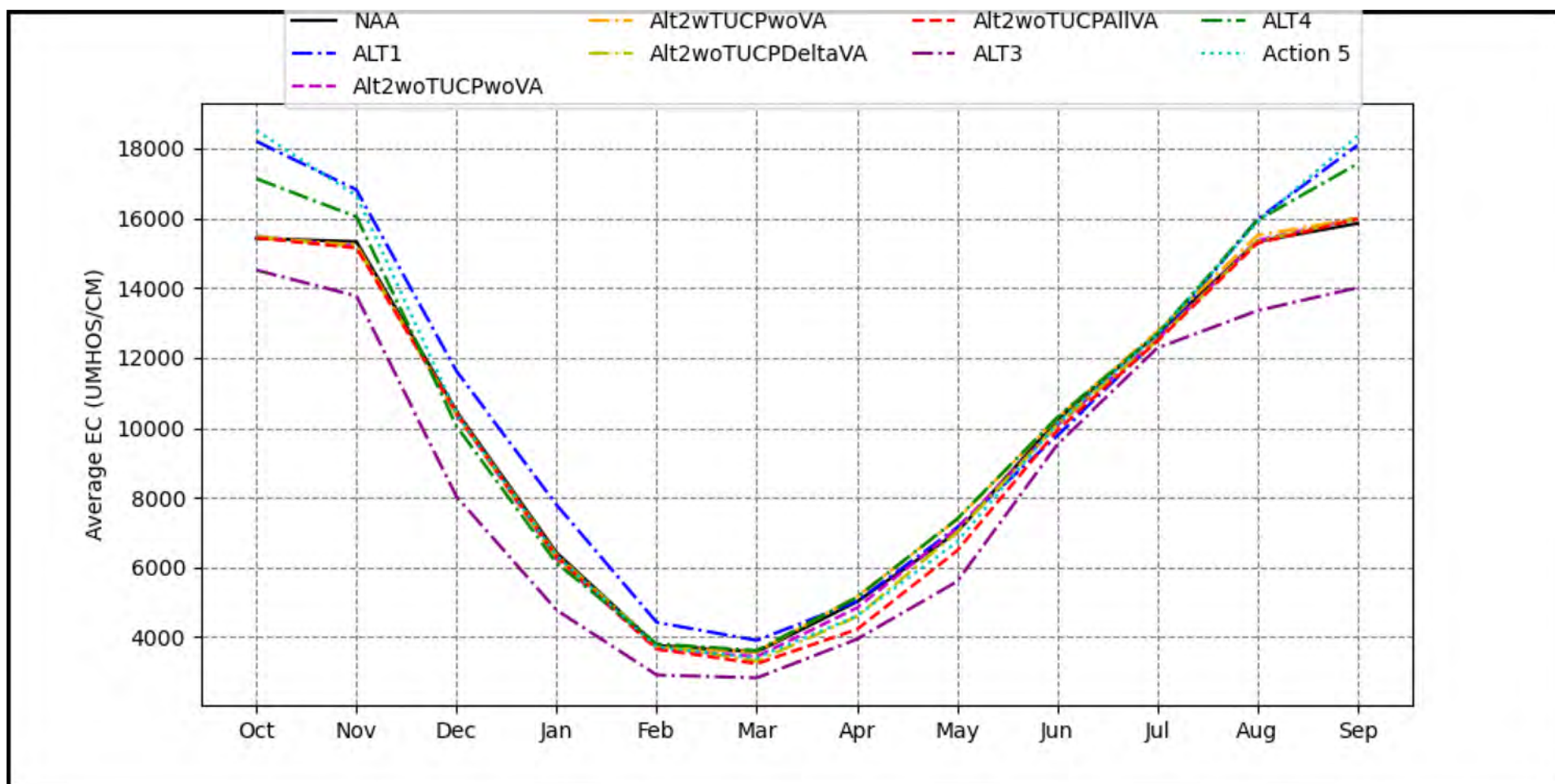
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-17-11 Sacramento River at Port Chicago Salinity, August EC



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

Figure F.2.5-17-12 Sacramento River at Port Chicago Salinity, September EC

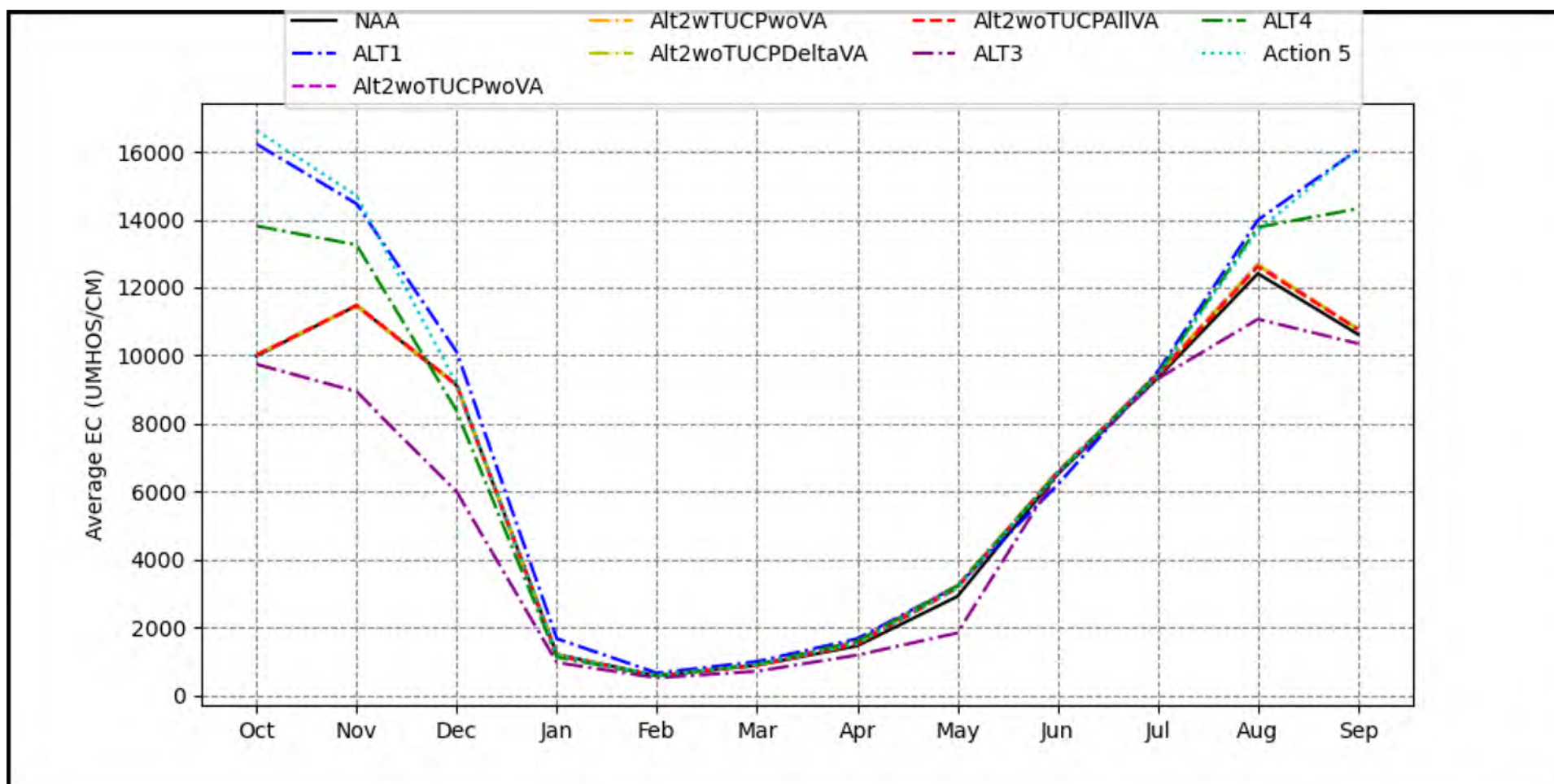


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-17-13 Sacramento River at Port Chicago Salinity, Long Term Average EC (UMHOS/CM)

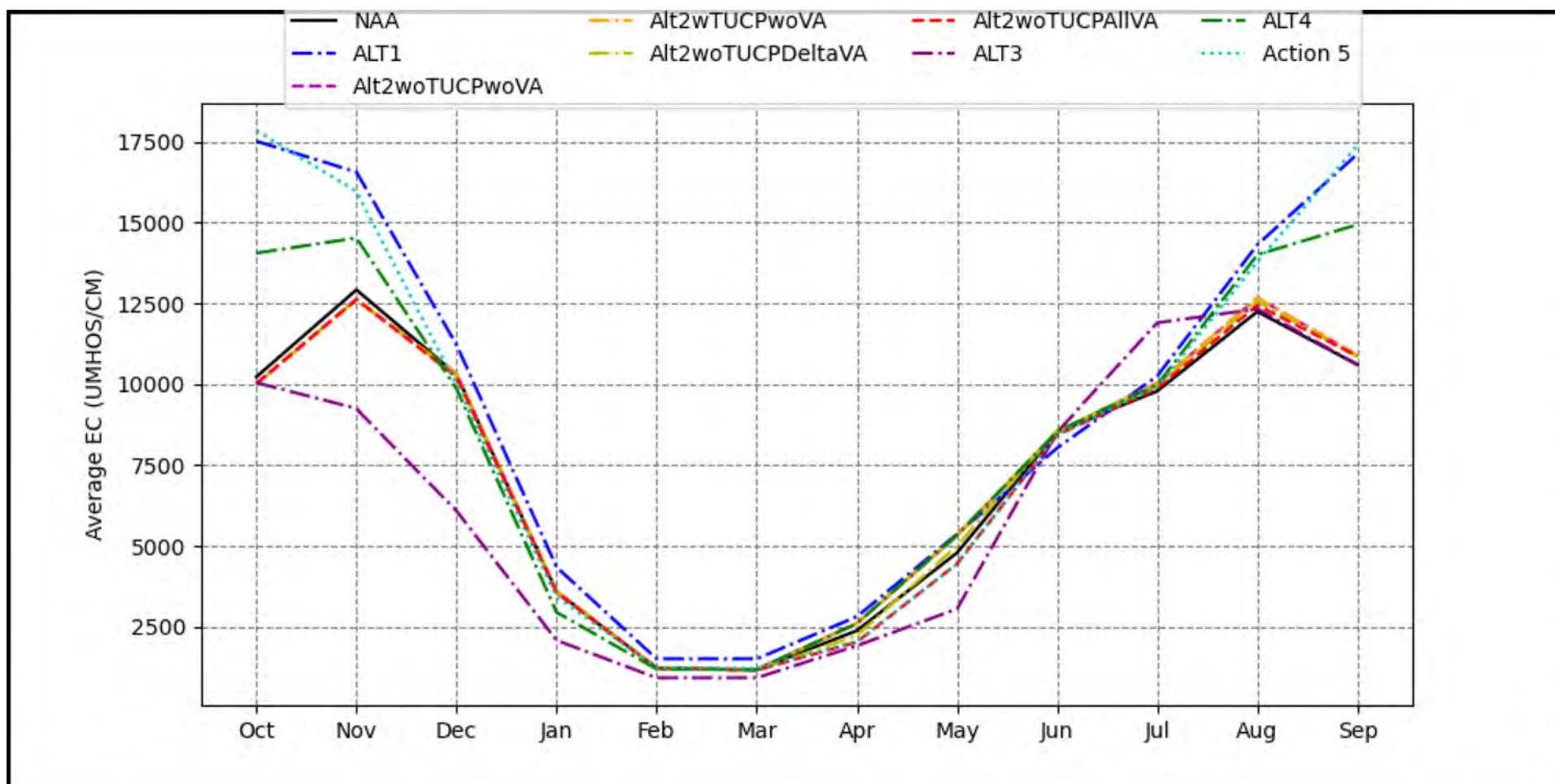


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-17-14 Sacramento River at Port Chicago Salinity, Wet Year Average EC (UMHOS/CM)

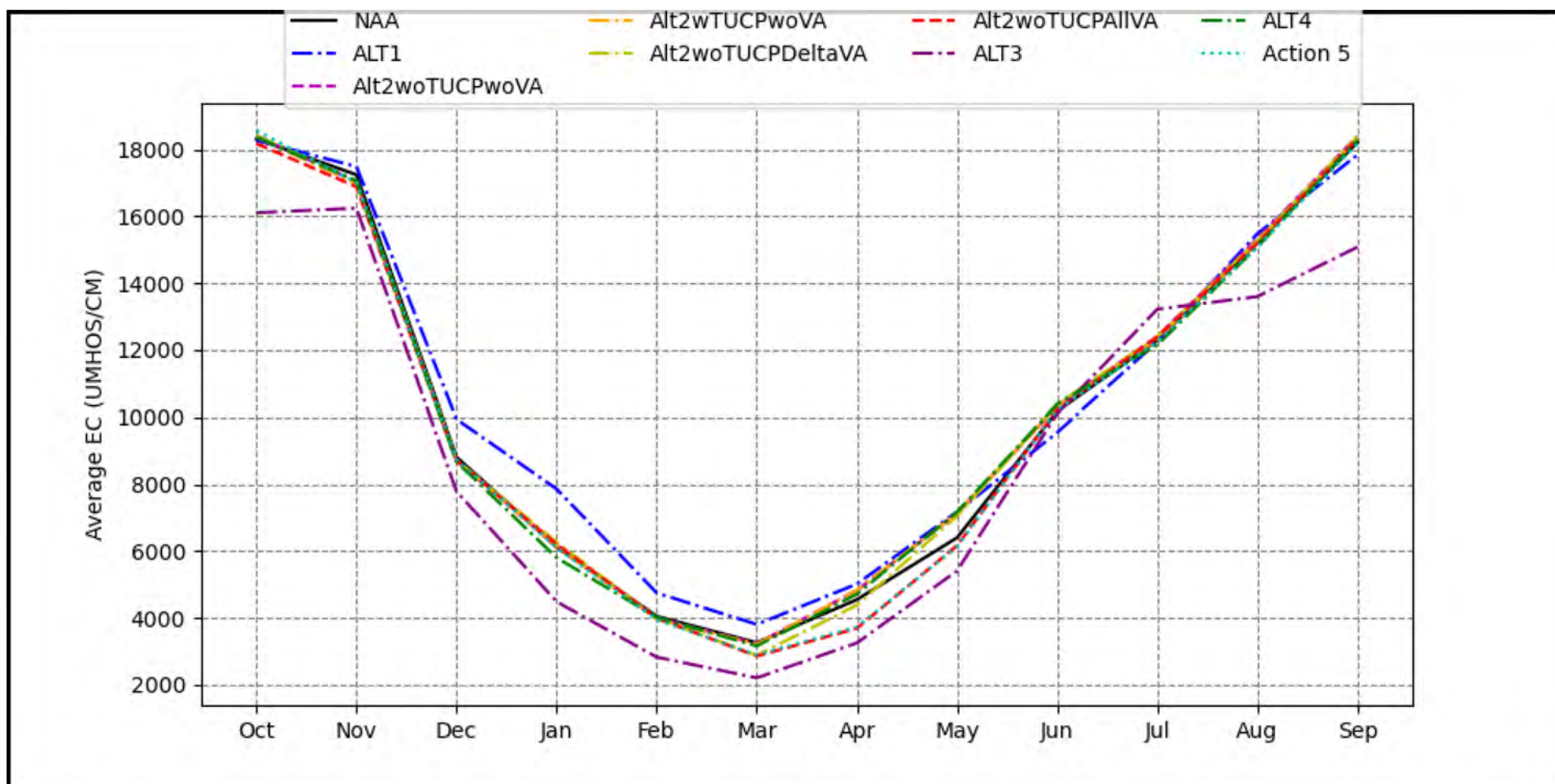


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-17-15 Sacramento River at Port Chicago Salinity, Above Normal Year Average EC (UMHOS/CM)

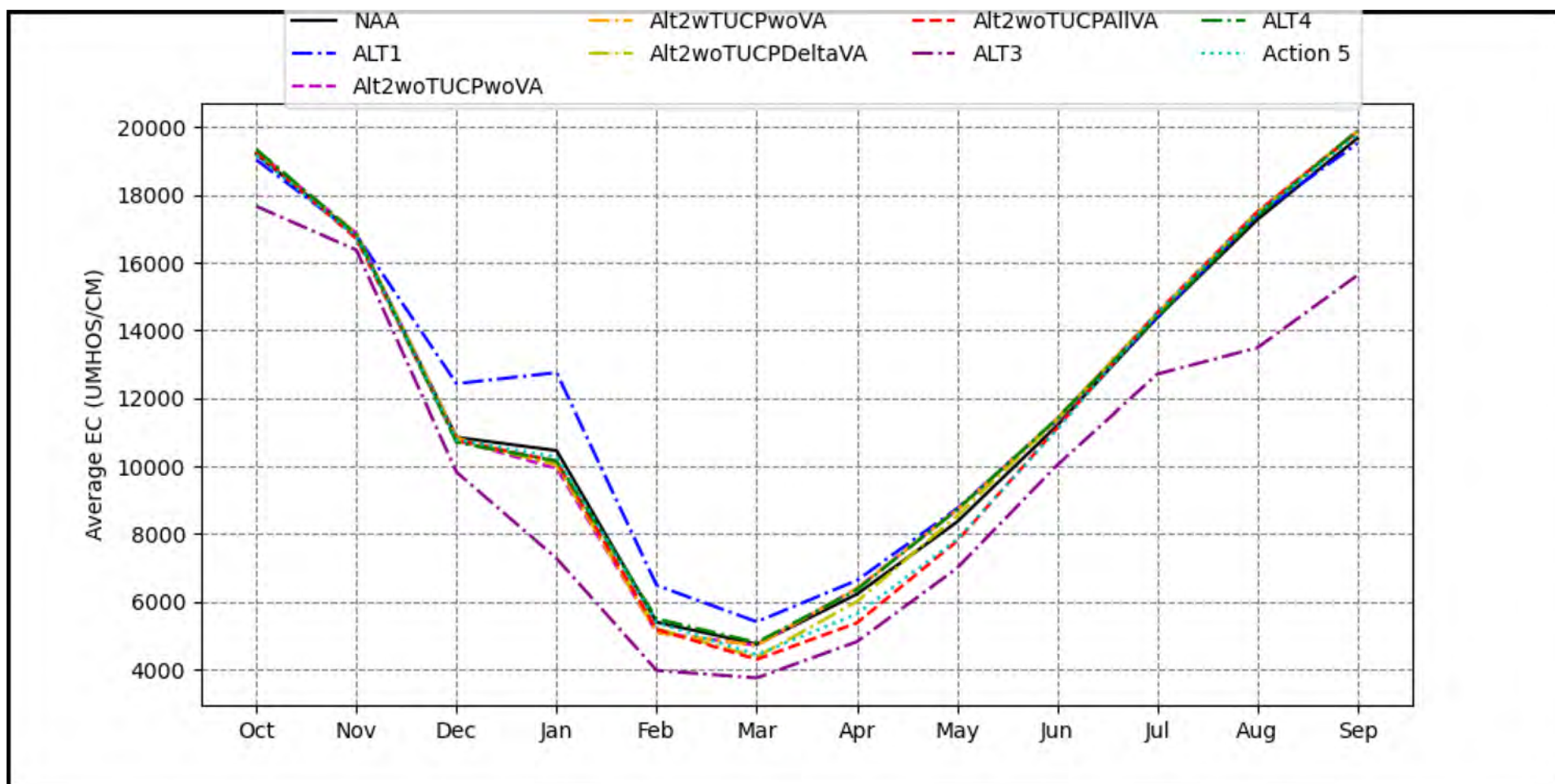


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-17-16 Sacramento River at Port Chicago Salinity, Below Normal Year Average EC (UMHOS/CM)

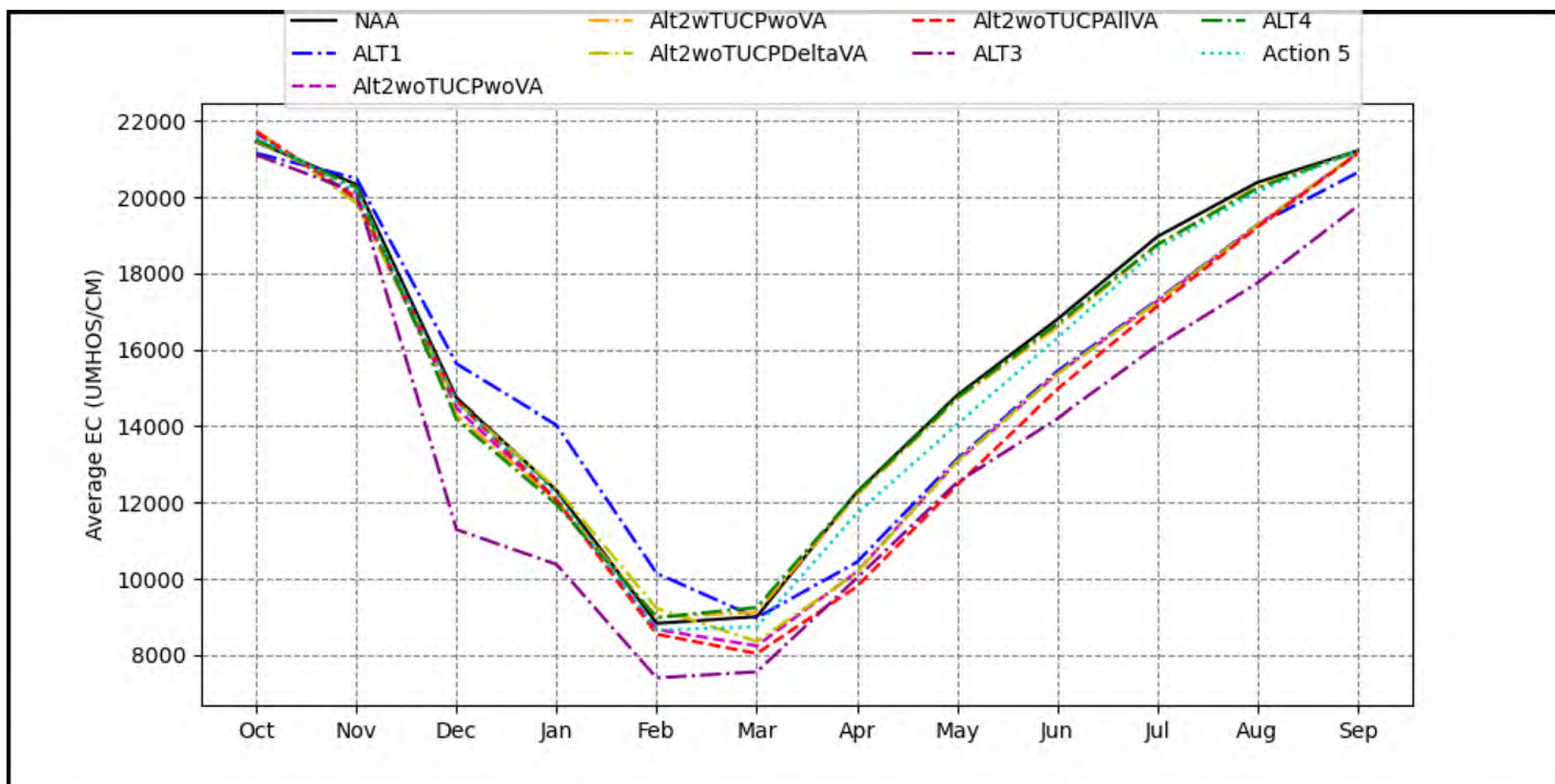


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-17-17 Sacramento River at Port Chicago Salinity, Dry Year Average EC (UMHOS/CM)



*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-17-18 Sacramento River at Port Chicago Salinity, Critical Year Average EC (UMHOS/CM)

F.2.5-18 Jones Pumping Plant South Delta Exports Salinity

Table F.2.5-18-1 a. Jones Pumping Plant South Delta Exports Salinity, NAA, Monthly EC (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 Years (27.7%)	363	388	533	437	360	317	260	222	285	343	337	350
Above Normal Years (13.9%)	388	392	623	592	501	469	427	387	355	340	331	355
Below Normal Years (17.8%)	572	594	641	605	528	538	473	414	365	351	389	494
Dry Years (23.8%)	594	623	650	646	606	575	542	463	373	357	419	486
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-18-1 b. Jones Pumping Plant South Delta Exports Salinity, ALT1, Monthly EC (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 Years (27.7%)	512	538	559	420	340	298	259	219	276	347	362	461
Above Normal Years (13.9%)	557	584	665	560	459	422	413	367	337	334	370	504
Below Normal Years (17.8%)	563	611	637	572	522	485	448	392	358	354	411	486
Dry Years (23.8%)	593	630	653	655	613	549	514	438	372	366	428	500
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-18-1 c. Jones Pumping Plant South Delta Exports Salinity, ALT1 Minus NAA, Monthly EC (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 Years (27.7%)	149	151	26	-17	-20	-19	-1	-2	-9	4	24	110
Above Normal Years (13.9%)	169	192	42	-33	-42	-47	-14	-20	-18	-6	39	150
Below Normal Years (17.8%)	-8	17	-4	-33	-7	-53	-25	-22	-7	2	22	-8
Dry Years (23.8%)	-1	7	3	8	7	-25	-27	-25	-1	9	8	14
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-18-2 a. Jones Pumping Plant South Delta Exports Salinity, NAA, Monthly EC (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 Years (27.7%)	363	388	533	437	360	317	260	222	285	343	337	350
Above Normal Years (13.9%)	388	392	623	592	501	469	427	387	355	340	331	355
Below Normal Years (17.8%)	572	594	641	605	528	538	473	414	365	351	389	494
Dry Years (23.8%)	594	623	650	646	606	575	542	463	373	357	419	486
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-18-2 b. Jones Pumping Plant South Delta Exports Salinity, Alt2woTUCPwoVA, Monthly EC (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 Years (27.7%)	365	388	531	436	357	315	261	220	286	347	344	354
Above Normal Years (13.9%)	390	390	617	597	503	468	423	372	355	337	341	367
Below Normal Years (17.8%)	577	595	637	608	532	535	474	407	370	356	397	491
Dry Years (23.8%)	599	629	652	647	610	578	540	457	381	364	429	499
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-18-2 c. Jones Pumping Plant South Delta Exports Salinity, Alt2woTUCPwoVA Minus NAA, Monthly EC (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 Years (27.7%)	1	1	-2	-1	-3	-2	1	-2	2	5	6	4
Above Normal Years (13.9%)	2	-2	-6	5	2	-1	-4	-15	0	-3	10	12
Below Normal Years (17.8%)	5	0	-5	3	4	-3	0	-7	5	4	9	-4
Dry Years (23.8%)	5	6	2	1	3	3	-2	-6	8	7	10	13
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-18-3 a. Jones Pumping Plant South Delta Exports Salinity, NAA, Monthly EC (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 Years (27.7%)	363	388	533	437	360	317	260	222	285	343	337	350
Above Normal Years (13.9%)	388	392	623	592	501	469	427	387	355	340	331	355
Below Normal Years (17.8%)	572	594	641	605	528	538	473	414	365	351	389	494
Dry Years (23.8%)	594	623	650	646	606	575	542	463	373	357	419	486
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-18-3 b. Jones Pumping Plant South Delta Exports Salinity, Alt2wTUCPwoVA, Monthly EC (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 Years (27.7%)	365	388	531	436	357	314	260	220	286	347	344	354
Above Normal Years (13.9%)	389	391	618	597	502	466	423	372	355	337	340	366
Below Normal Years (17.8%)	575	590	637	604	531	540	475	406	369	355	397	493
Dry Years (23.8%)	599	627	652	652	611	578	540	456	381	365	431	500
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-18-3 c. Jones Pumping Plant South Delta Exports Salinity, Alt2wTUCPwoVA Minus NAA, Monthly EC (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 Years (27.7%)	1	1	-2	-1	-4	-3	0	-2	2	5	6	4
Above Normal Years (13.9%)	1	-1	-6	4	1	-3	-4	-15	0	-3	10	12
Below Normal Years (17.8%)	3	-4	-4	-1	3	2	2	-8	4	4	9	-1
Dry Years (23.8%)	5	5	2	6	5	3	-2	-7	8	7	11	14
Critical Years (15.8%)	-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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-18-4 a. Jones Pumping Plant South Delta Exports Salinity, NAA, Monthly EC (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 Years (27.7%)	363	388	533	437	360	317	260	222	285	343	337	350
Above Normal Years (13.9%)	388	392	623	592	501	469	427	387	355	340	331	355
Below Normal Years (17.8%)	572	594	641	605	528	538	473	414	365	351	389	494
Dry Years (23.8%)	594	623	650	646	606	575	542	463	373	357	419	486
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-18-4 b. Jones Pumping Plant South Delta Exports Salinity, Alt2woTUCPDeltaVA, Monthly EC (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 Years (27.7%)	365	389	531	439	357	323	263	222	286	348	343	354
Above Normal Years (13.9%)	389	392	620	598	503	501	443	389	360	339	339	365
Below Normal Years (17.8%)	579	598	640	615	535	604	499	420	374	356	402	497
Dry Years (23.8%)	600	630	648	639	610	632	577	477	386	365	437	509
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-18-4 c. Jones Pumping Plant South Delta Exports Salinity, Alt2woTUCPDeltaVA Minus NAA, Monthly EC (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 Years (27.7%)	1	2	-2	2	-3	6	3	0	2	5	5	4
Above Normal Years (13.9%)	1	0	-3	5	2	33	16	2	5	-1	8	10
Below Normal Years (17.8%)	7	4	-1	10	7	66	26	6	8	5	13	3
Dry Years (23.8%)	6	7	-2	-7	4	57	35	14	13	8	18	23
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-18-5 a. Jones Pumping Plant South Delta Exports Salinity, NAA, Monthly EC (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 Years (27.7%)	363	388	533	437	360	317	260	222	285	343	337	350
Above Normal Years (13.9%)	388	392	623	592	501	469	427	387	355	340	331	355
Below Normal Years (17.8%)	572	594	641	605	528	538	473	414	365	351	389	494
Dry Years (23.8%)	594	623	650	646	606	575	542	463	373	357	419	486
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-18-5 b. Jones Pumping Plant South Delta Exports Salinity, Alt2woTUCPAIIVA, Monthly EC (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 Years (27.7%)	363	389	531	437	357	321	261	221	286	349	342	354
Above Normal Years (13.9%)	387	392	621	596	502	500	443	389	358	344	338	363
Below Normal Years (17.8%)	576	590	642	609	534	603	498	419	370	359	398	496
Dry Years (23.8%)	600	628	647	645	611	633	577	480	384	368	439	508
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-18-5 c. Jones Pumping Plant South Delta Exports Salinity, Alt2woTUCPAIIVA Minus NAA, Monthly EC (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 Years (27.7%)	0	1	-2	1	-3	4	1	0	2	6	5	3
Above Normal Years (13.9%)	-1	-1	-2	3	1	32	16	2	3	4	7	8
Below Normal Years (17.8%)	4	-4	1	5	6	66	25	6	4	8	9	2
Dry Years (23.8%)	6	5	-3	-1	4	58	35	18	11	10	19	22
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-18-6 a. Jones Pumping Plant South Delta Exports Salinity, NAA, Monthly EC (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 Years (27.7%)	363	388	533	437	360	317	260	222	285	343	337	350
Above Normal Years (13.9%)	388	392	623	592	501	469	427	387	355	340	331	355
Below Normal Years (17.8%)	572	594	641	605	528	538	473	414	365	351	389	494
Dry Years (23.8%)	594	623	650	646	606	575	542	463	373	357	419	486
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-18-6 b. Jones Pumping Plant South Delta Exports Salinity, ALT3, Monthly EC (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 Years (27.7%)	387	415	469	451	360	313	249	212	294	396	383	350
Above Normal Years (13.9%)	406	460	573	592	493	480	410	374	426	412	372	354
Below Normal Years (17.8%)	443	510	677	586	580	583	493	441	451	410	355	336
Dry Years (23.8%)	454	556	654	617	615	615	605	515	502	369	324	327
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-18-6 c. Jones Pumping Plant South Delta Exports Salinity, ALT3 Minus NAA, Monthly EC (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 Years (27.7%)	23	28	-64	14	0	-4	-11	-10	9	53	45	-1
Above Normal Years (13.9%)	18	68	-50	-1	-8	12	-18	-13	71	72	41	0
Below Normal Years (17.8%)	-128	-84	36	-19	52	45	19	28	86	59	-34	-159
Dry Years (23.8%)	-140	-67	5	-29	8	40	63	52	129	12	-95	-159
Critical Years (15.8%)	-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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-18-7 a. Jones Pumping Plant South Delta Exports Salinity, NAA, Monthly EC (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 Years (27.7%)	363	388	533	437	360	317	260	222	285	343	337	350
Above Normal Years (13.9%)	388	392	623	592	501	469	427	387	355	340	331	355
Below Normal Years (17.8%)	572	594	641	605	528	538	473	414	365	351	389	494
Dry Years (23.8%)	594	623	650	646	606	575	542	463	373	357	419	486
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-18-7 b. Jones Pumping Plant South Delta Exports Salinity, ALT4, Monthly EC (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 Years (27.7%)	405	463	567	437	353	310	259	219	286	346	353	418
Above Normal Years (13.9%)	429	449	667	568	484	459	421	371	355	335	358	453
Below Normal Years (17.8%)	576	597	644	585	515	535	473	404	366	351	395	494
Dry Years (23.8%)	599	629	655	620	594	574	538	454	376	364	432	502
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-18-7 c. Jones Pumping Plant South Delta Exports Salinity, ALT4 Minus NAA, Monthly EC (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 Years (27.7%)	42	75	34	0	-7	-7	-1	-2	1	3	16	68
Above Normal Years (13.9%)	41	57	44	-24	-17	-10	-6	-15	0	-6	27	99
Below Normal Years (17.8%)	5	3	3	-20	-13	-2	0	-9	0	0	6	0
Dry Years (23.8%)	5	6	6	-26	-13	-1	-4	-9	3	7	12	16
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-18-8 a. Jones Pumping Plant South Delta Exports Salinity, NAA, Monthly EC (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 Years (27.7%)	363	388	533	437	360	317	260	222	285	343	337	350
Above Normal Years (13.9%)	388	392	623	592	501	469	427	387	355	340	331	355
Below Normal Years (17.8%)	572	594	641	605	528	538	473	414	365	351	389	494
Dry Years (23.8%)	594	623	650	646	606	575	542	463	373	357	419	486
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-18-8 b. Jones Pumping Plant South Delta Exports Salinity, Action 5, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	632	734	779	764	703	694	630	520	487	530	529	570
20% Exceedance	622	695	756	724	648	655	601	501	407	401	476	543
30% Exceedance	601	648	738	687	615	619	569	478	384	388	437	525
40% Exceedance	593	617	725	643	569	596	559	467	378	372	410	513
50% Exceedance	580	603	708	600	527	563	523	442	372	358	393	503
60% Exceedance	568	589	684	554	506	501	444	395	365	351	369	493
70% Exceedance	553	577	634	504	462	405	361	349	357	345	359	484
80% Exceedance	533	561	560	439	348	357	307	263	334	334	353	473
90% Exceedance	503	511	459	310	208	238	193	127	264	322	341	453
Full Simulation Period Average^a	569	608	653	572	509	505	457	388	368	382	415	506
Wet Years (27.7%)	512	554	583	435	352	313	261	221	285	349	352	460
Above Normal Years (13.9%)	546	560	681	587	486	472	438	386	356	344	350	491
Below Normal Years (17.8%)	578	604	654	599	517	564	491	414	367	359	399	504
Dry Years (23.8%)	599	617	648	626	600	608	572	476	379	371	448	514
Critical Years (15.8%)	639	747	751	691	660	652	604	522	510	518	550	590

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-18-8 c. Jones Pumping Plant South Delta Exports Salinity, Action 5 Minus NAA, Monthly EC (UMHOS/CM)

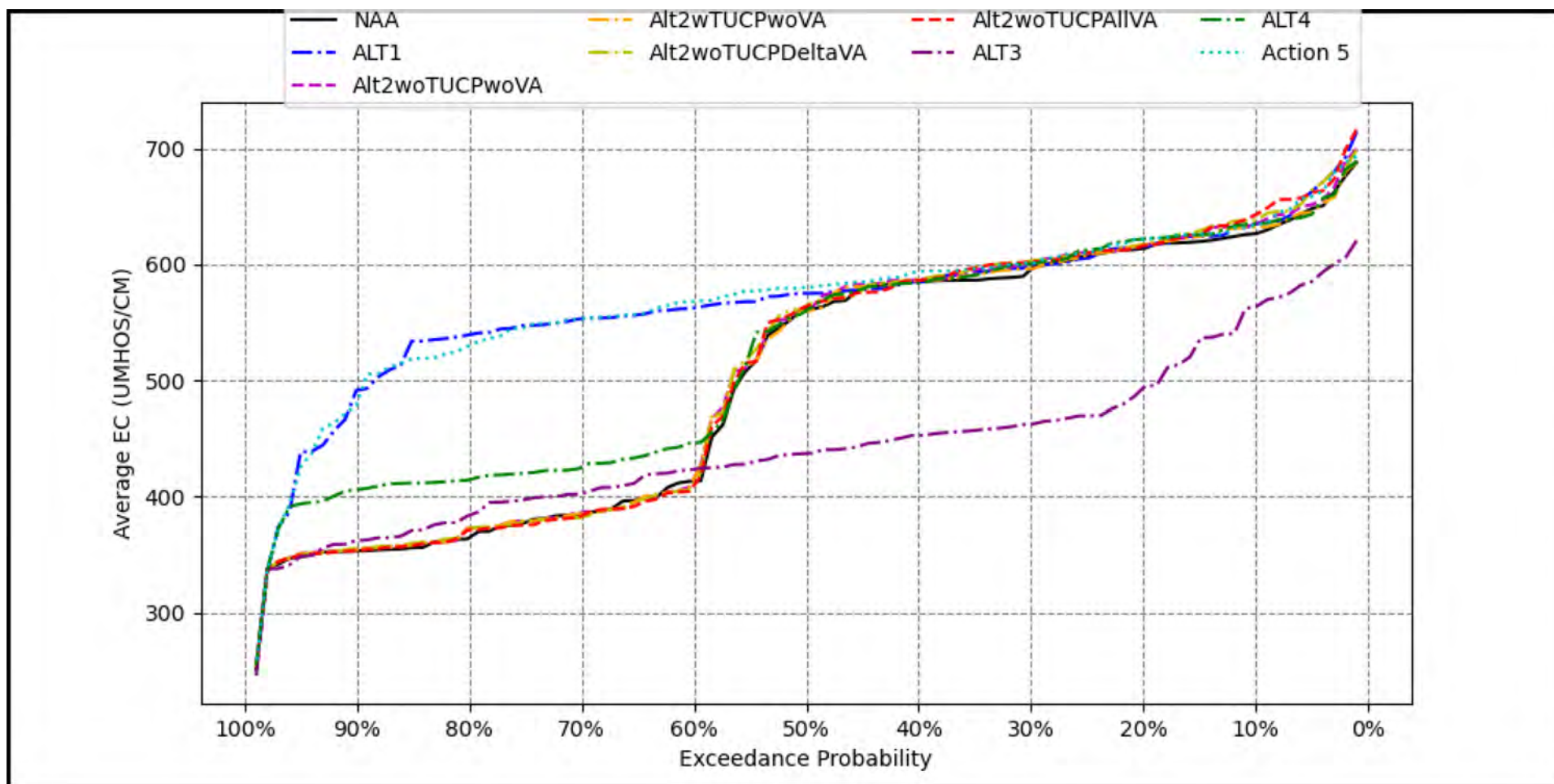
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6	8	14	-9	-17	36	31	0	-24	-4	-40	-15
20% Exceedance	9	7	10	-9	-14	39	32	15	9	9	25	15
30% Exceedance	9	12	12	-21	10	27	23	10	1	16	23	23
40% Exceedance	8	8	10	-11	-9	22	24	7	4	12	14	23
50% Exceedance	19	33	27	-2	-15	8	6	-2	2	4	16	45
60% Exceedance	155	159	38	-8	-11	-6	15	-2	4	6	13	120
70% Exceedance	167	180	51	-1	-11	-3	1	-2	4	8	17	126
80% Exceedance	164	179	43	-5	-4	-1	0	-8	-2	5	21	120
90% Exceedance	149	139	33	-2	-1	-11	0	3	-1	4	18	106
Full Simulation Period Average^a	67	75	23	-6	-7	13	11	1	-1	4	12	56
Wet Years (27.7%)	149	166	50	-2	-8	-4	1	0	0	6	14	109
Above Normal Years (13.9%)	158	168	58	-6	-15	3	11	-1	1	3	19	137
Below Normal Years (17.8%)	6	10	13	-6	-11	26	17	0	2	8	10	10
Dry Years (23.8%)	5	-6	-2	-20	-7	34	30	13	6	13	29	28
Critical Years (15.8%)	5	16	-16	6	9	5	-5	-12	-21	-20	-21	-11

^a Based on the 100-year simulation period.

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

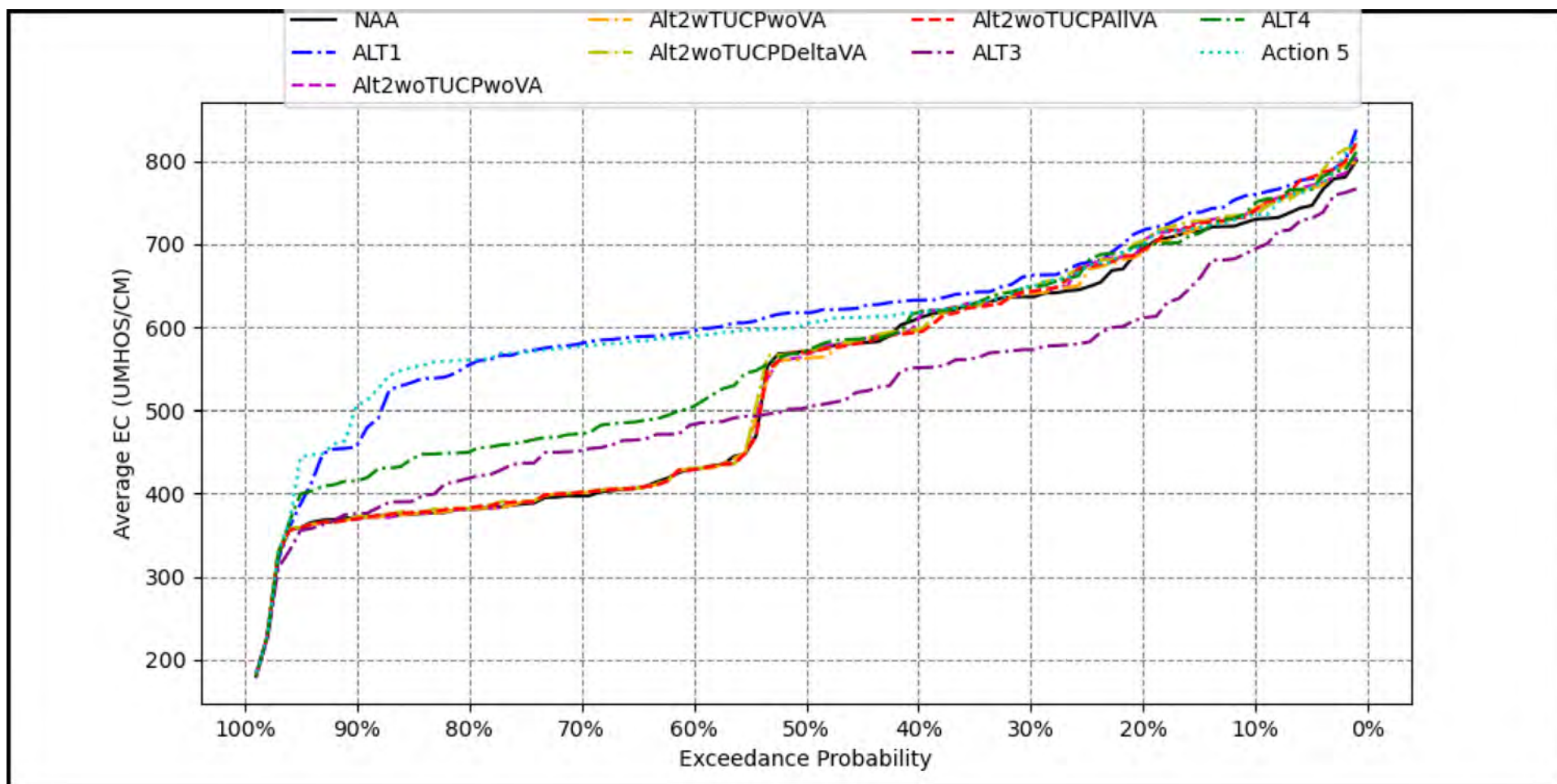
* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.



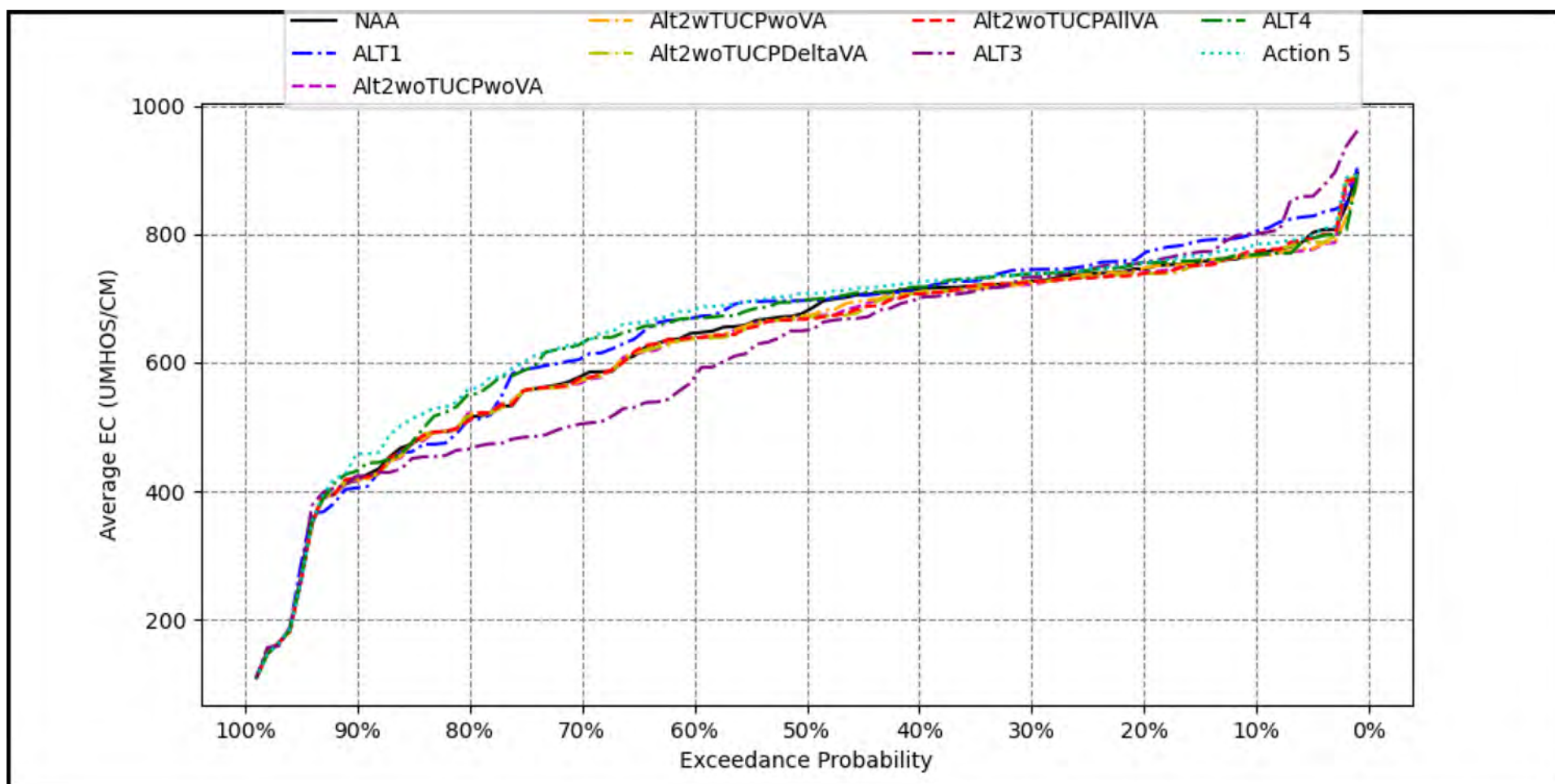
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-18-1 Jones Pumping Plant South Delta Exports Salinity, October EC



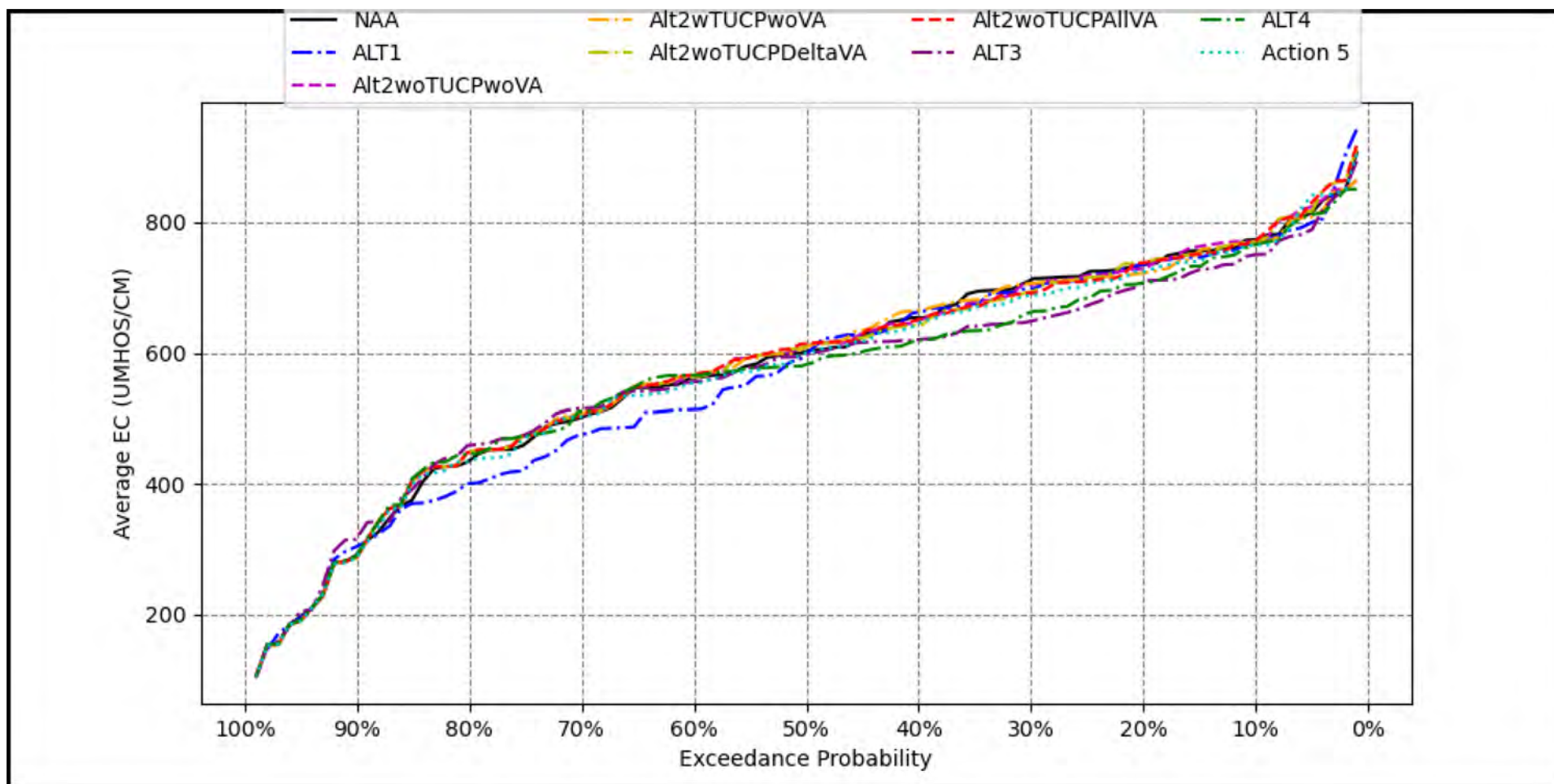
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-18-2 Jones Pumping Plant South Delta Exports Salinity, November EC



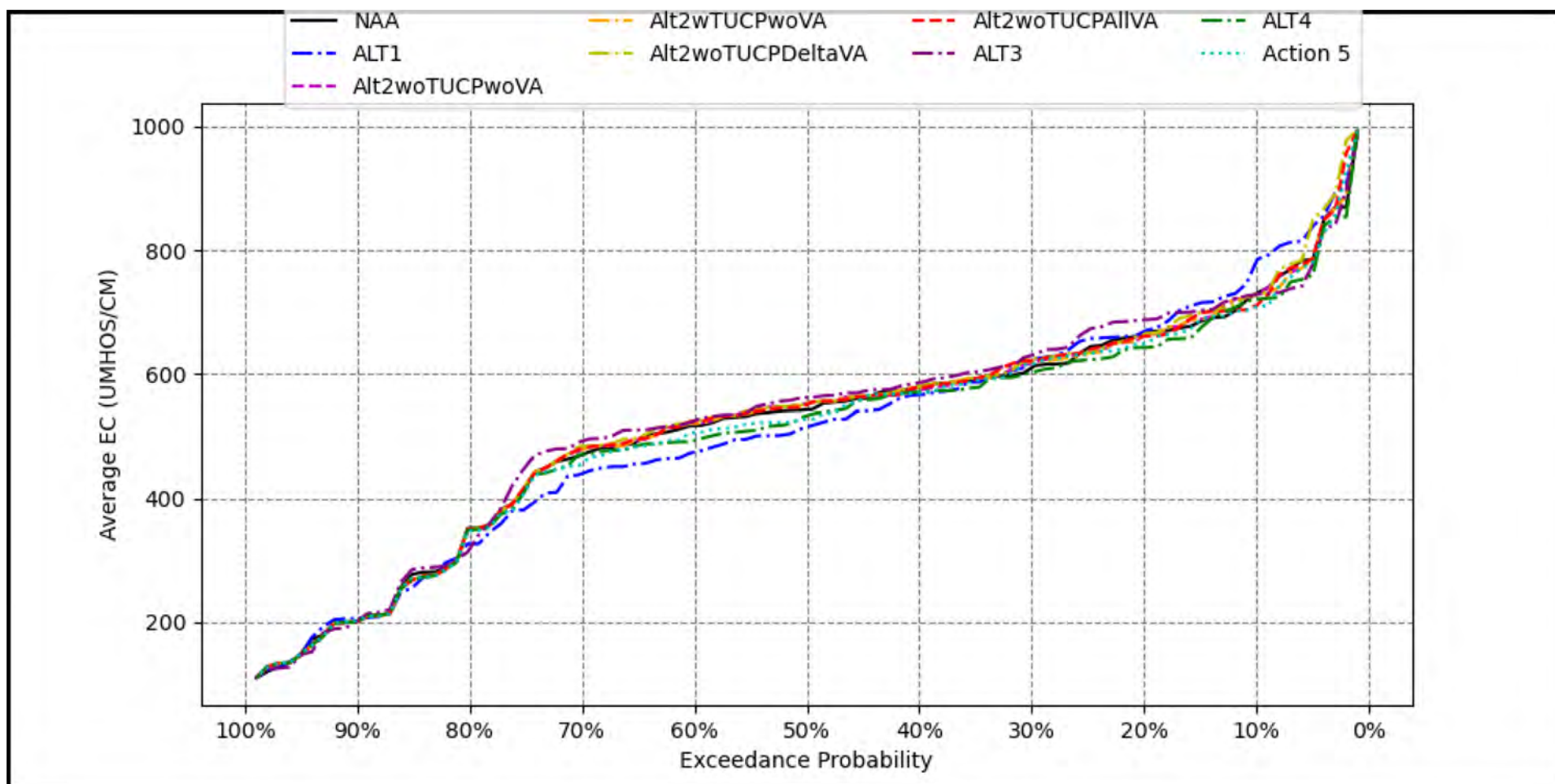
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-18-3 Jones Pumping Plant South Delta Exports Salinity, December EC



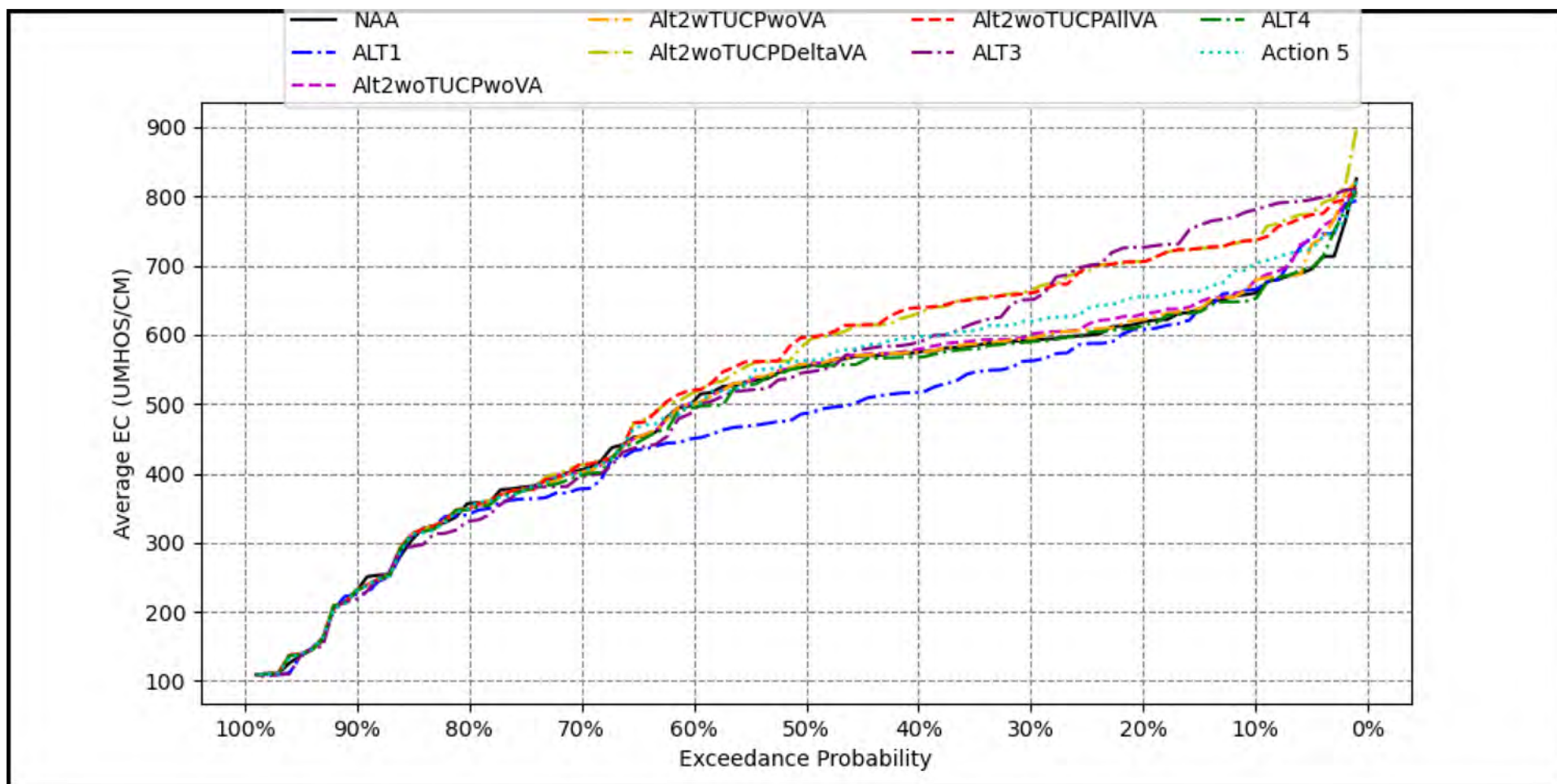
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-18-4 Jones Pumping Plant South Delta Exports Salinity, January EC



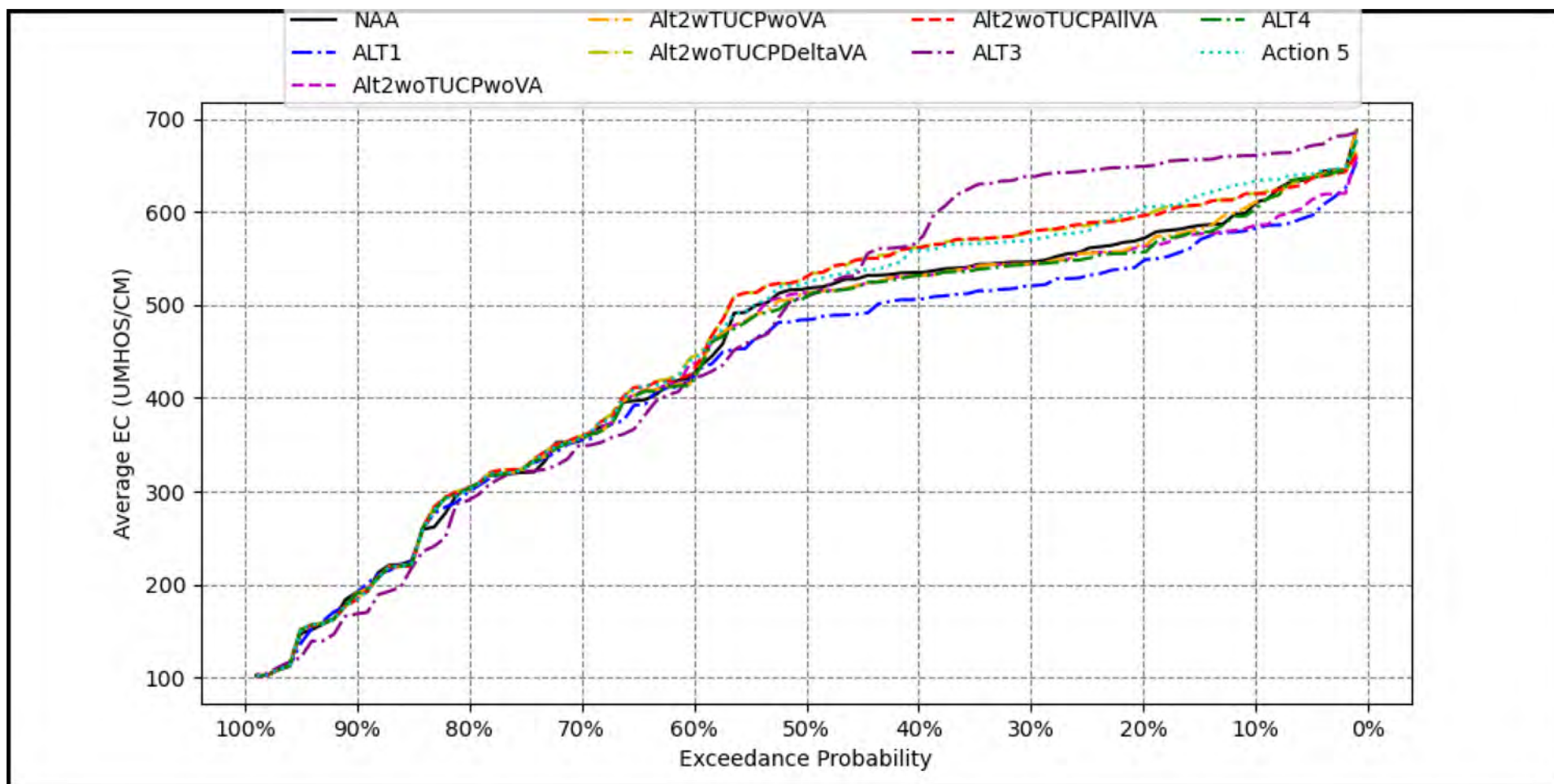
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-18-5 Jones Pumping Plant South Delta Exports Salinity, February EC



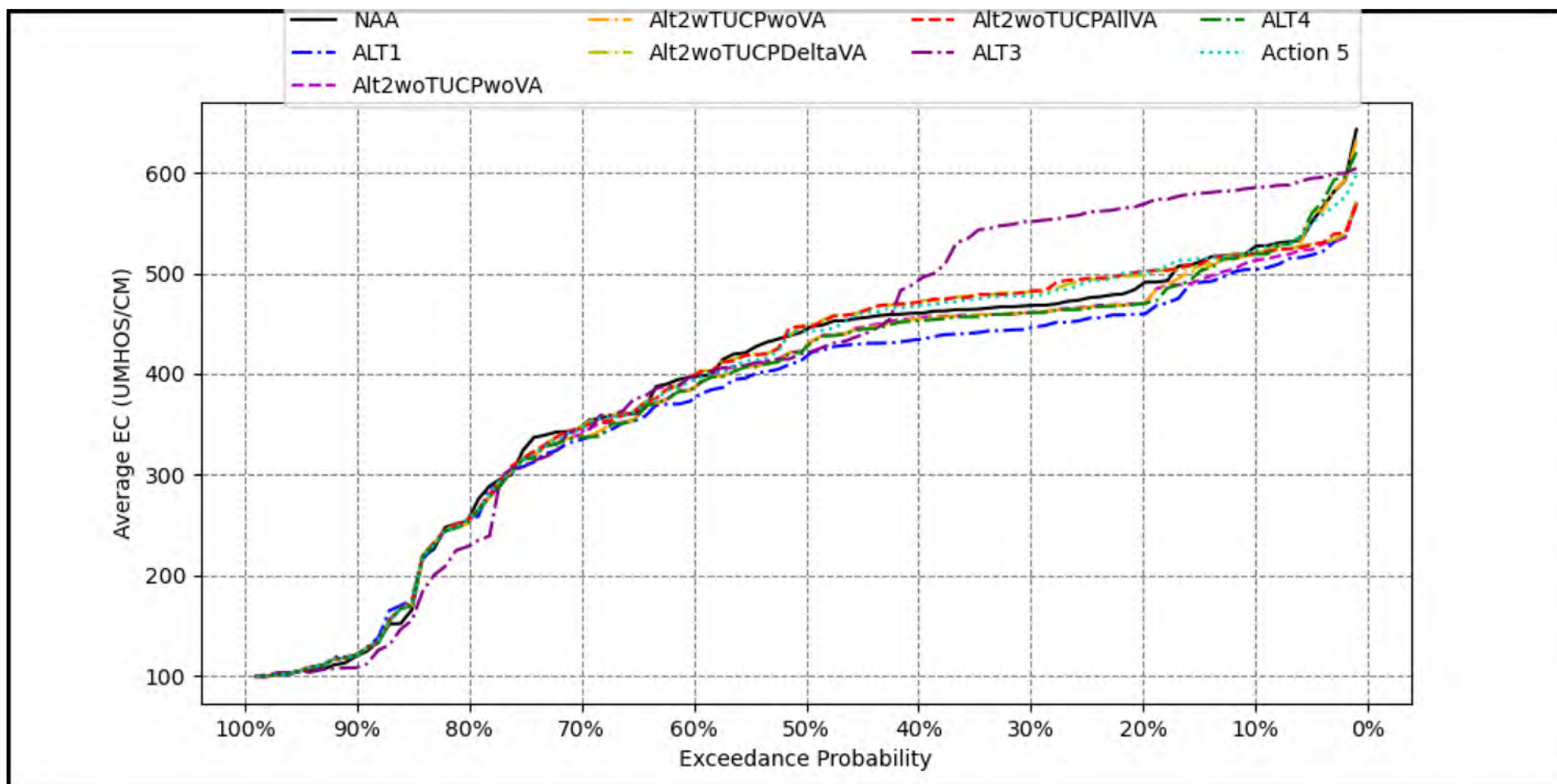
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-18-6 Jones Pumping Plant South Delta Exports Salinity, March EC



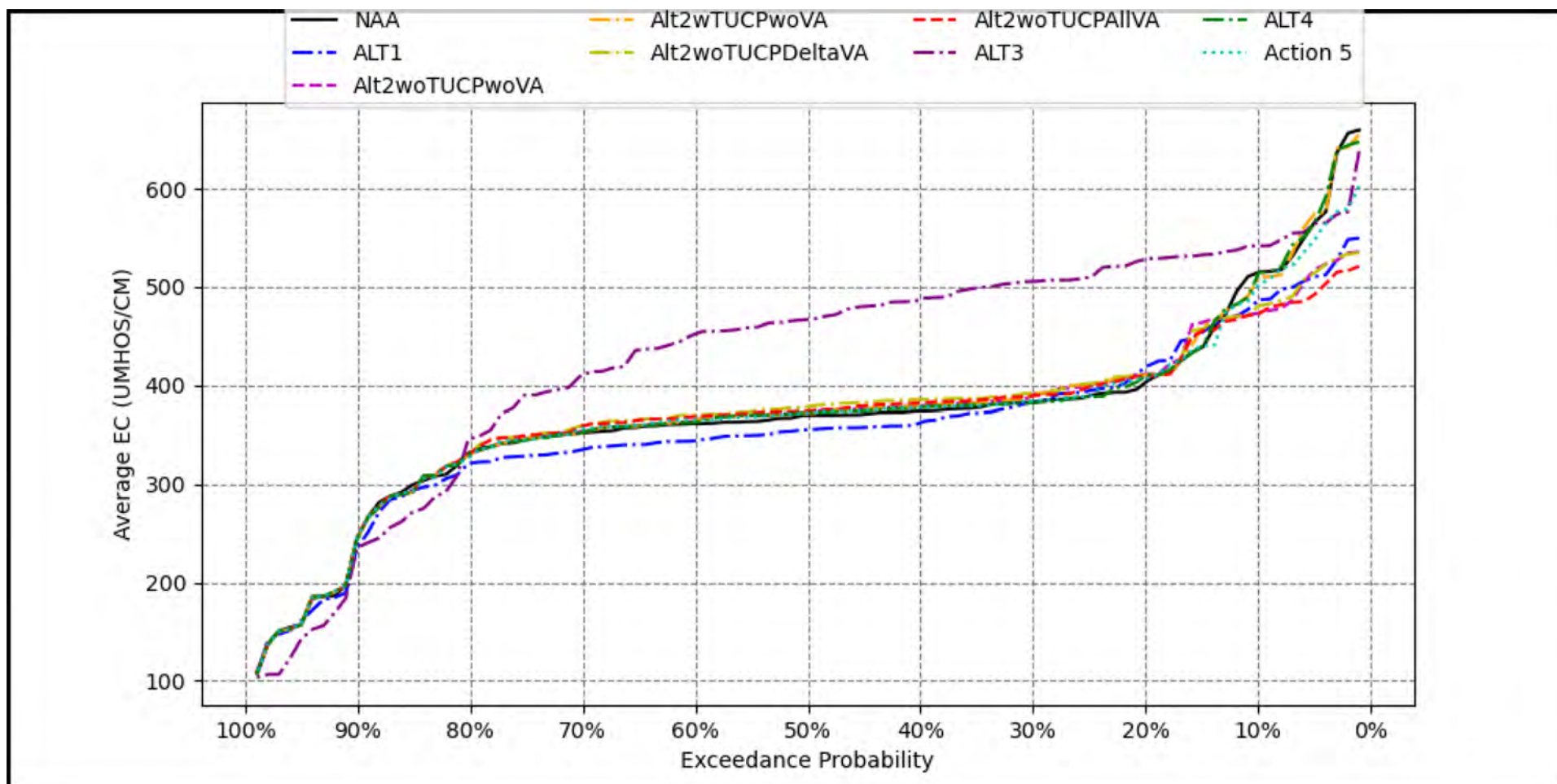
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-18-7 Jones Pumping Plant South Delta Exports Salinity, April EC



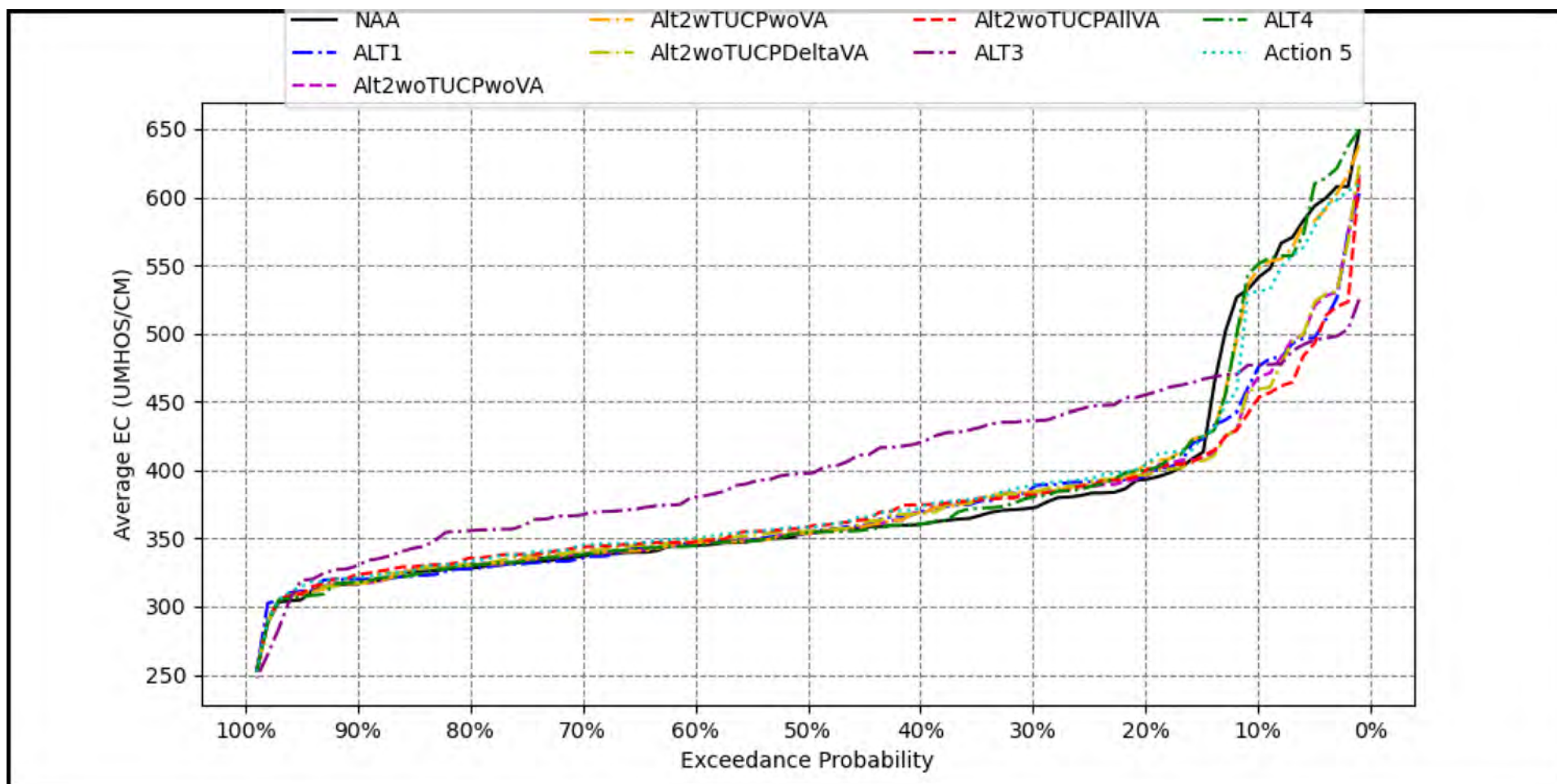
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-18-8 Jones Pumping Plant South Delta Exports Salinity, May EC



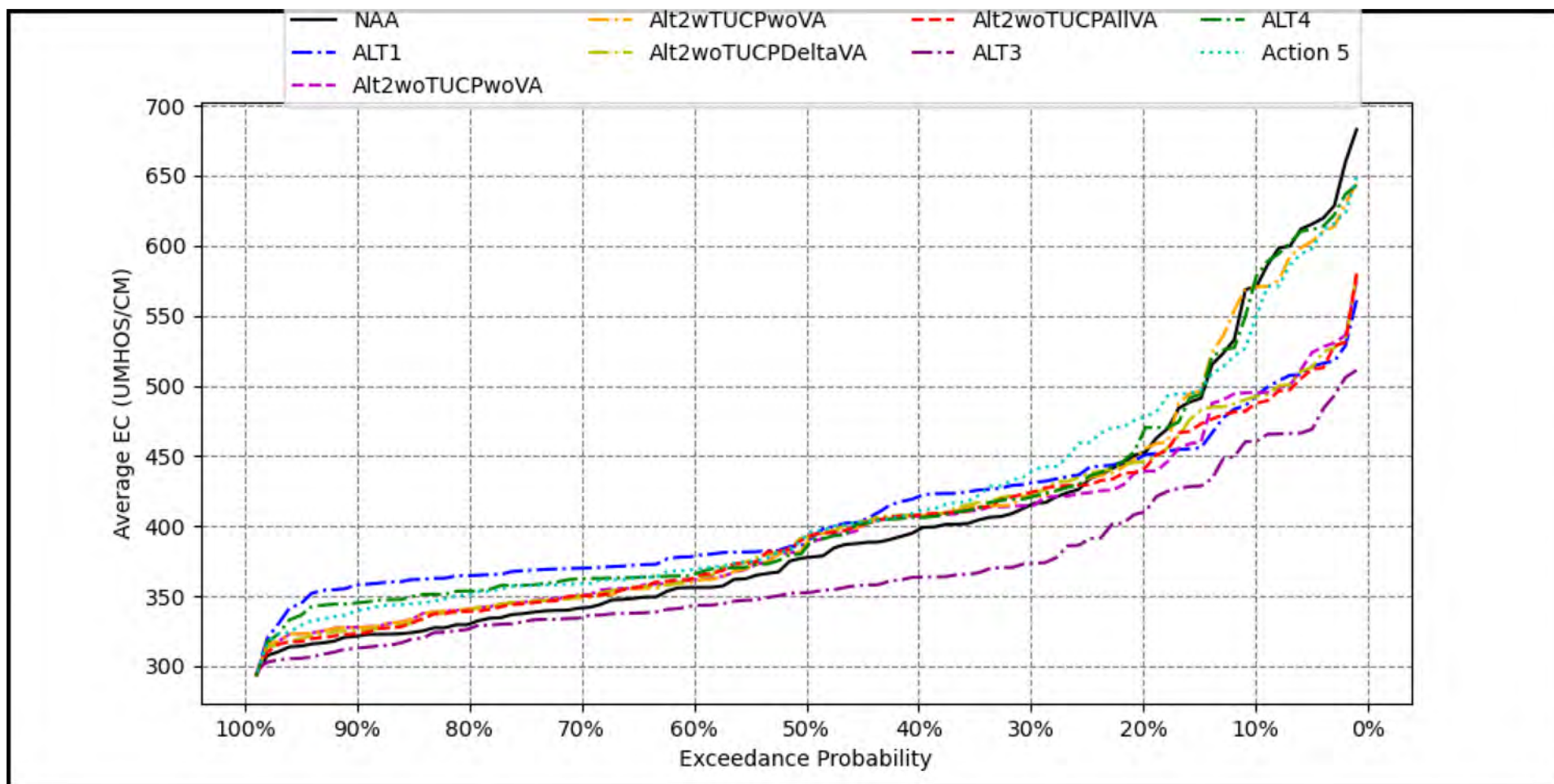
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-18-9 Jones Pumping Plant South Delta Exports Salinity, June EC



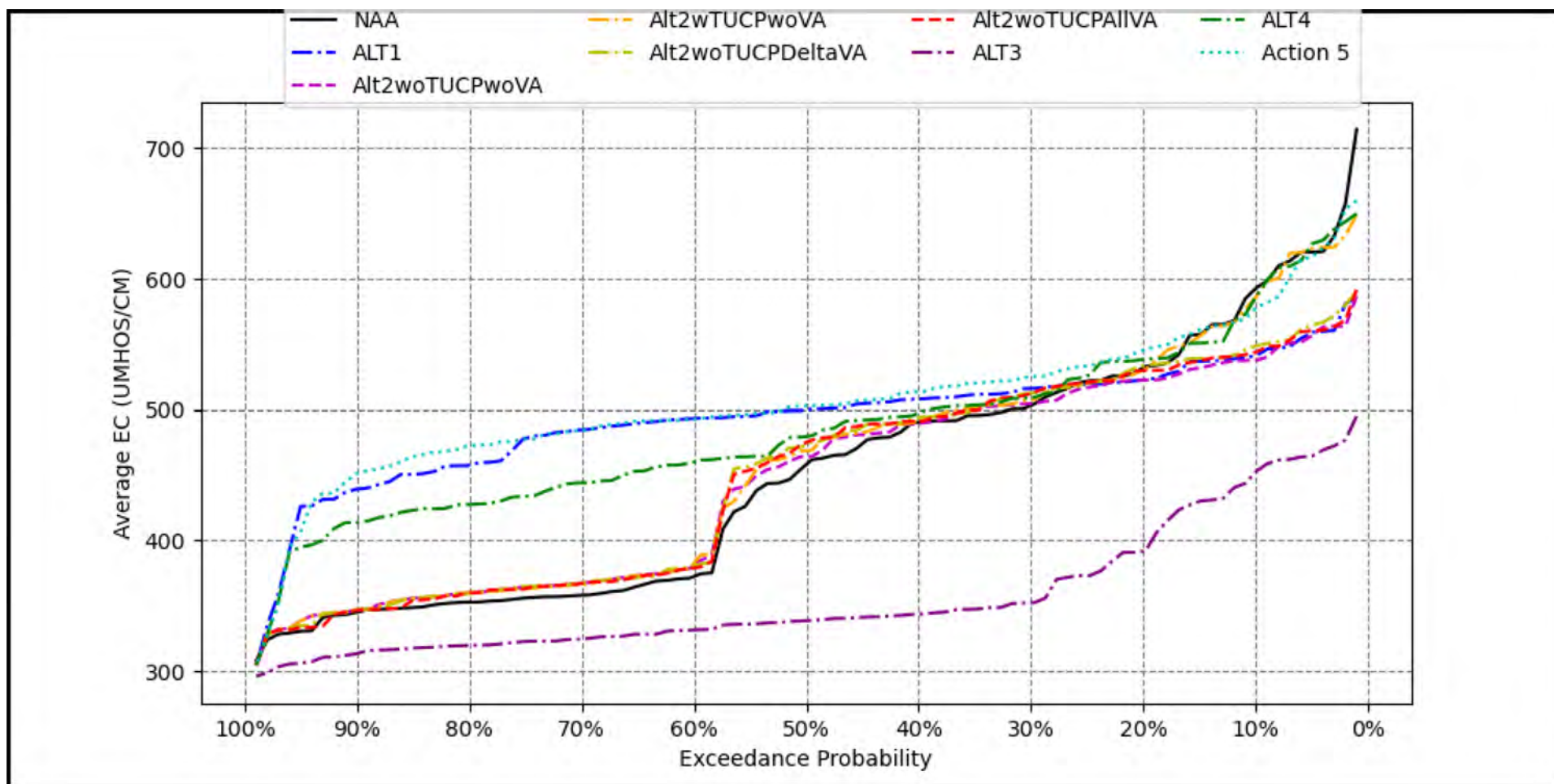
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-18-10 Jones Pumping Plant South Delta Exports Salinity, July EC



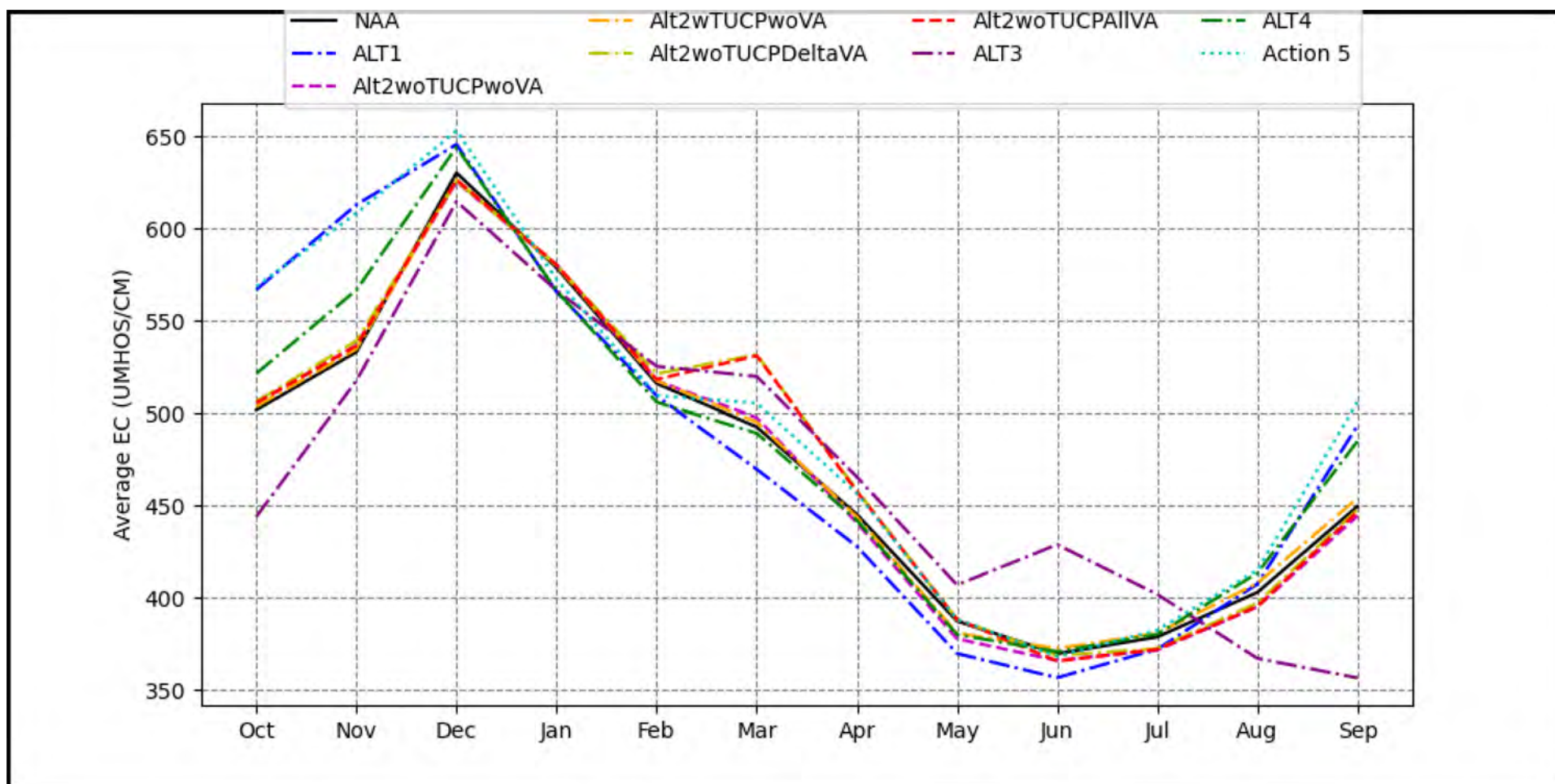
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-18-11 Jones Pumping Plant South Delta Exports Salinity, August EC



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

Figure F.2.5-18-12 Jones Pumping Plant South Delta Exports Salinity, September EC

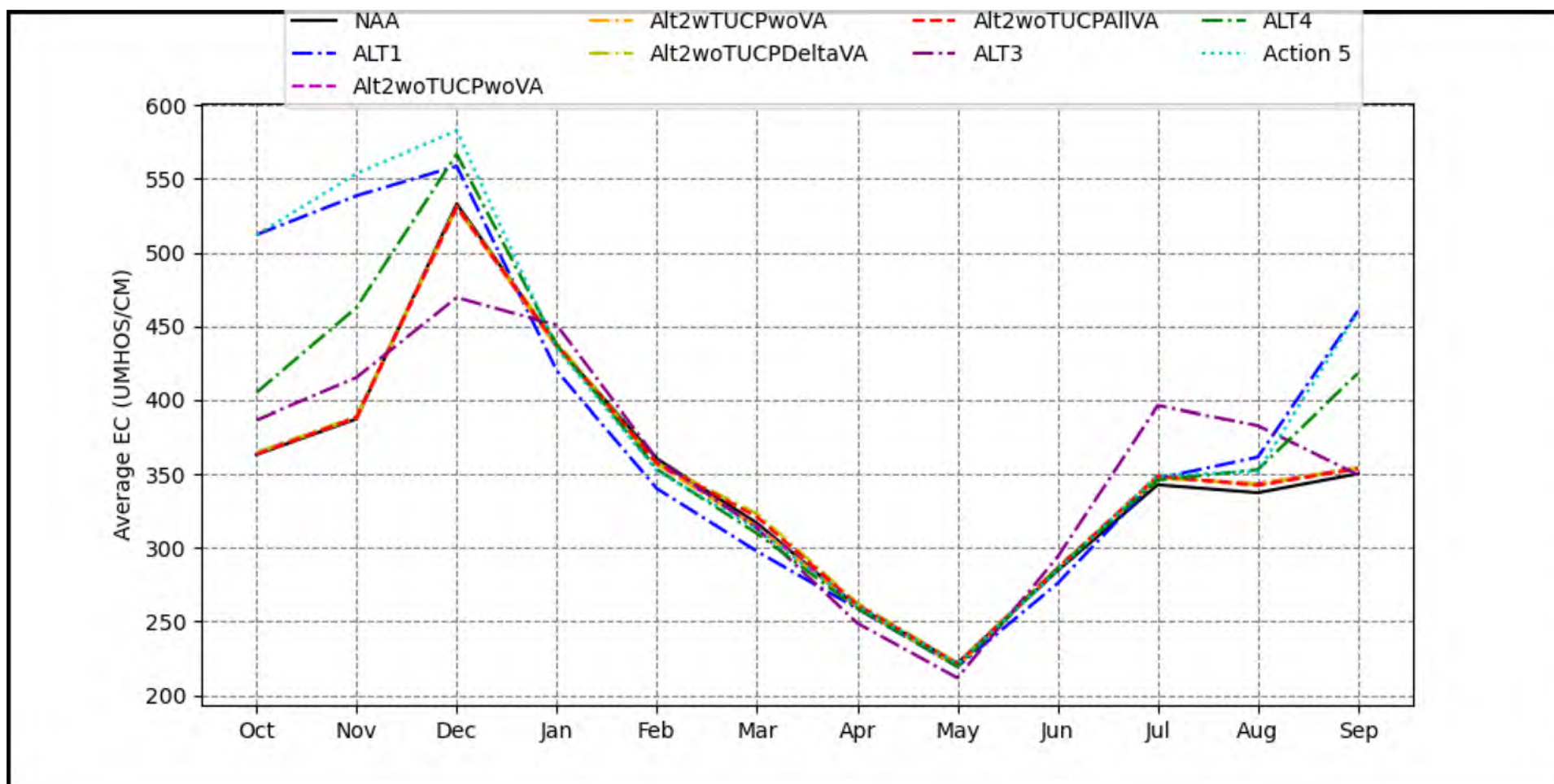


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-18-13 Jones Pumping Plant South Delta Exports Salinity, Long Term Average EC (UMHOS/CM)

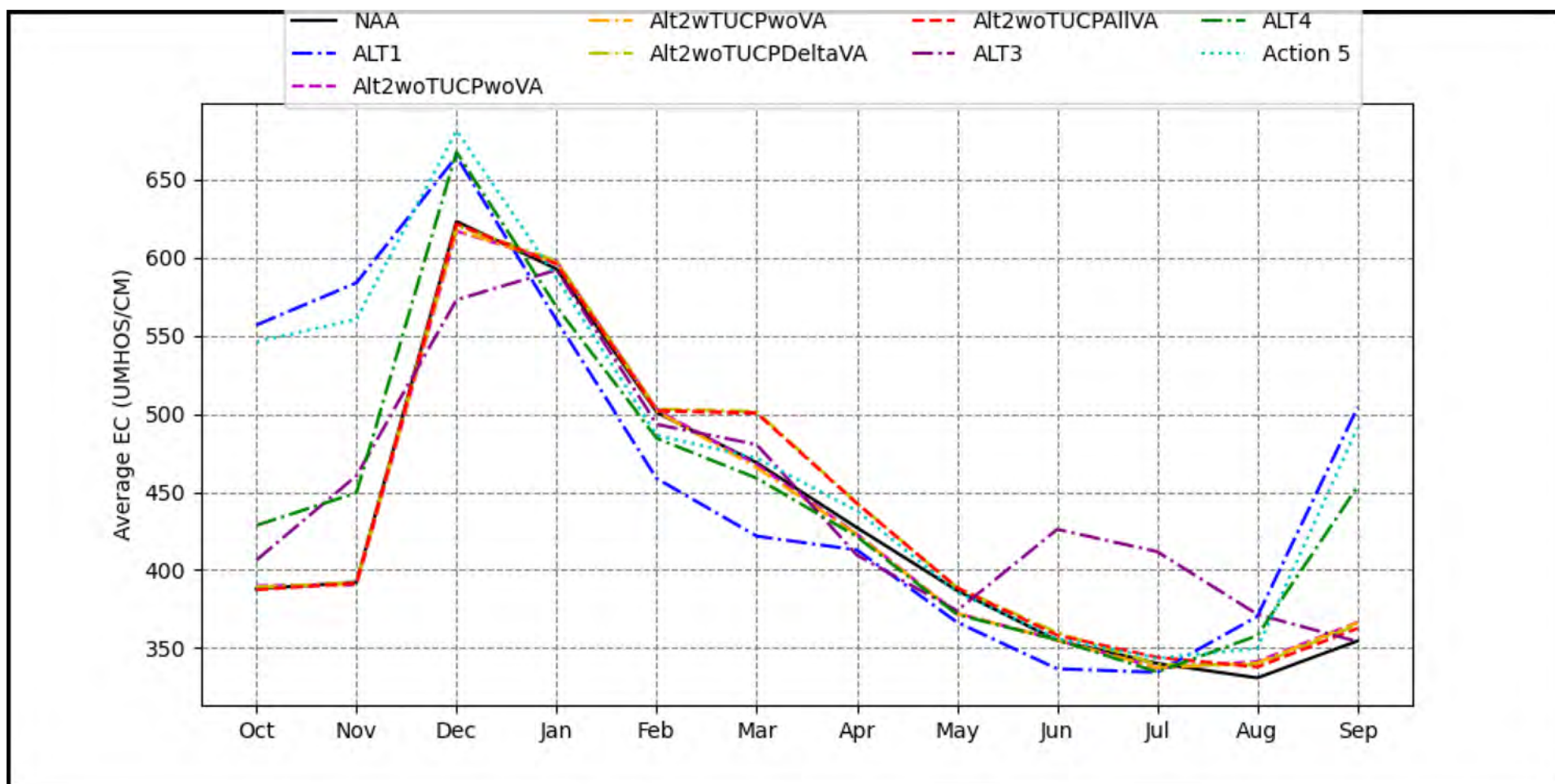


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-18-14 Jones Pumping Plant South Delta Exports Salinity, Wet Year Average EC (UMHOS/CM)

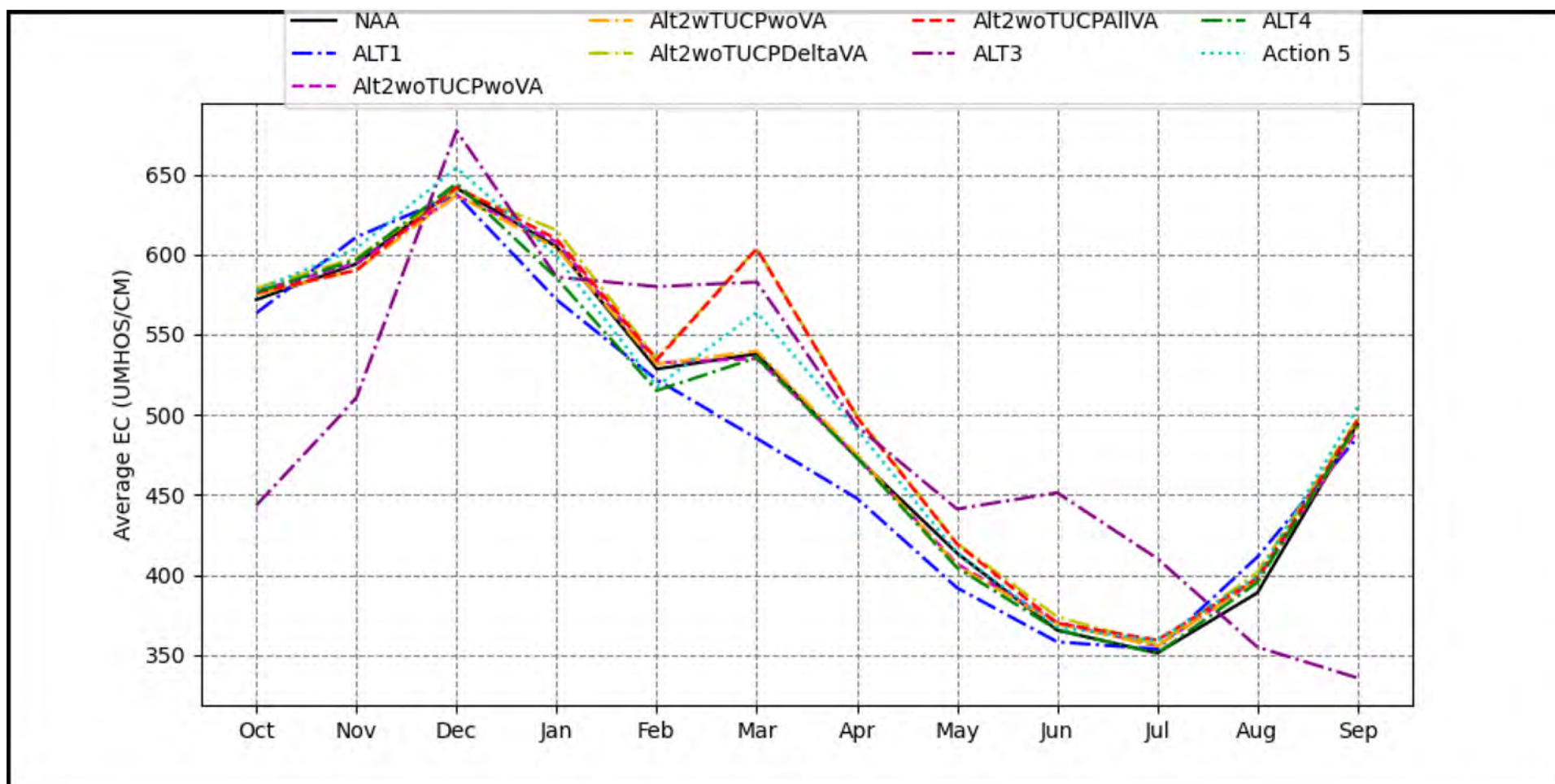


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-18-15 Jones Pumping Plant South Delta Exports Salinity, Above Normal Year Average EC (UMHOS/CM)

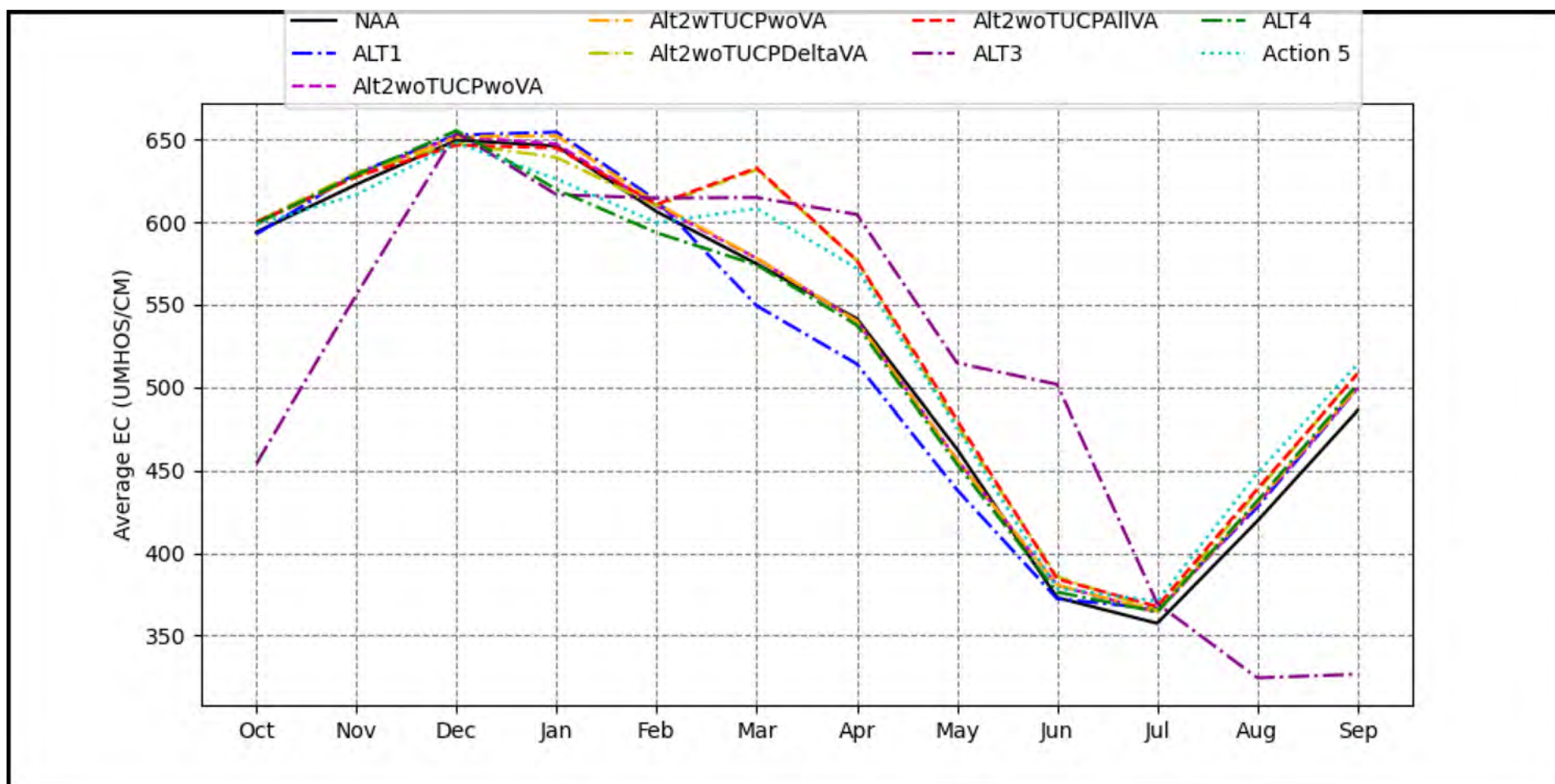


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-18-16 Jones Pumping Plant South Delta Exports Salinity, Below Normal Year Average EC (UMHOS/CM)

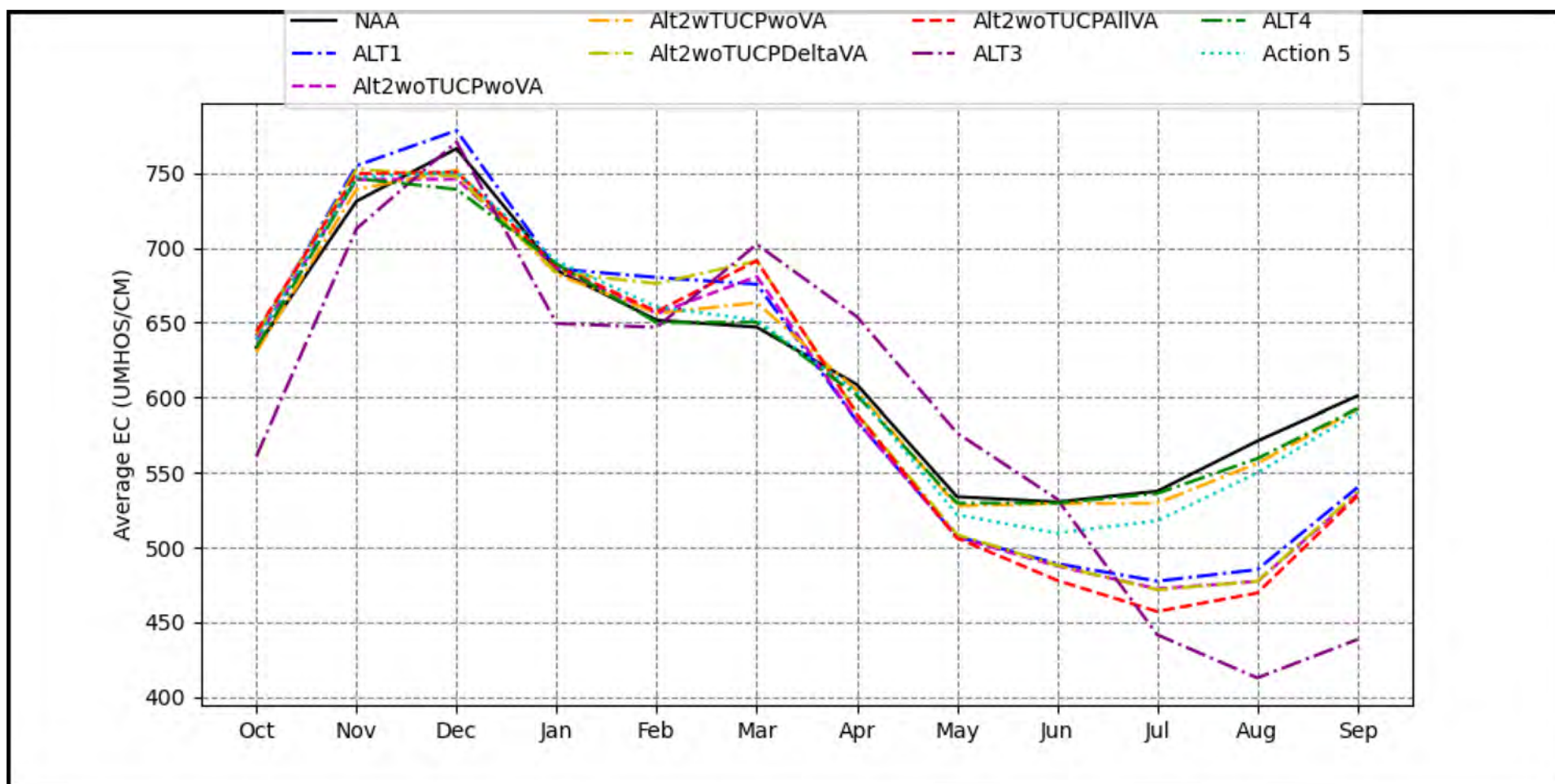


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-18-17 Jones Pumping Plant South Delta Exports Salinity, Dry Year Average EC (UMHOS/CM)



*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-18-18 Jones Pumping Plant South Delta Exports Salinity, Critical Year Average EC (UMHOS/CM)

F.2.5-19 Banks Pumping Plant South Delta Exports Salinity

Table F.2.5-19-1 a. Banks Pumping Plant South Delta Exports Salinity, NAA, Monthly EC (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 Years (27.7%)	268	288	470	388	329	304	270	247	252	268	271	295
Above Normal Years (13.9%)	277	291	543	544	436	406	408	405	326	268	266	303
Below Normal Years (17.8%)	533	541	606	573	464	426	418	401	331	294	337	462
Dry Years (23.8%)	536	570	615	632	534	445	424	423	344	314	376	444
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-19-1 b. Banks Pumping Plant South Delta Exports Salinity, ALT1, Monthly EC (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 Years (27.7%)	487	492	531	361	304	273	258	232	236	267	295	429
Above Normal Years (13.9%)	530	534	621	502	382	347	365	350	291	261	304	475
Below Normal Years (17.8%)	519	551	602	521	454	381	373	359	307	288	351	451
Dry Years (23.8%)	544	579	624	633	562	418	397	388	328	315	378	455
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-19-1 c. Banks Pumping Plant South Delta Exports Salinity, ALT1 Minus NAA, Monthly EC (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 Years (27.7%)	220	204	61	-27	-25	-32	-11	-16	-15	-1	24	134
Above Normal Years (13.9%)	253	243	78	-42	-55	-58	-43	-55	-35	-7	39	172
Below Normal Years (17.8%)	-13	10	-4	-53	-10	-44	-45	-43	-24	-6	14	-12
Dry Years (23.8%)	8	9	9	1	29	-28	-27	-35	-16	2	2	11
Critical Years (15.8%)	-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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-19-2 a. Banks Pumping Plant South Delta Exports Salinity, NAA, Monthly EC (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 Years (27.7%)	268	288	470	388	329	304	270	247	252	268	271	295
Above Normal Years (13.9%)	277	291	543	544	436	406	408	405	326	268	266	303
Below Normal Years (17.8%)	533	541	606	573	464	426	418	401	331	294	337	462
Dry Years (23.8%)	536	570	615	632	534	445	424	423	344	314	376	444
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-19-2 b. Banks Pumping Plant South Delta Exports Salinity, Alt2woTUCPwoVA, Monthly EC (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 Years (27.7%)	270	289	468	383	327	301	271	232	243	269	275	302
Above Normal Years (13.9%)	282	289	534	540	438	402	394	359	310	269	278	318
Below Normal Years (17.8%)	536	543	600	578	470	428	414	374	322	296	345	460
Dry Years (23.8%)	544	577	619	636	533	451	425	403	337	319	384	459
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-19-2 c. Banks Pumping Plant South Delta Exports Salinity, Alt2woTUCPwoVA Minus NAA, Monthly EC (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 Years (27.7%)	3	1	-2	-5	-1	-4	1	-15	-8	2	5	7
Above Normal Years (13.9%)	5	-2	-9	-4	1	-3	-14	-47	-16	1	12	15
Below Normal Years (17.8%)	3	1	-6	4	6	2	-4	-27	-9	2	8	-2
Dry Years (23.8%)	7	6	4	4	-1	5	1	-20	-6	5	8	14
Critical Years (15.8%)	-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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-19-3 a. Banks Pumping Plant South Delta Exports Salinity, NAA, Monthly EC (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 Years (27.7%)	268	288	470	388	329	304	270	247	252	268	271	295
Above Normal Years (13.9%)	277	291	543	544	436	406	408	405	326	268	266	303
Below Normal Years (17.8%)	533	541	606	573	464	426	418	401	331	294	337	462
Dry Years (23.8%)	536	570	615	632	534	445	424	423	344	314	376	444
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-19-3 b. Banks Pumping Plant South Delta Exports Salinity, Alt2wTUCPwoVA, Monthly EC (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 Years (27.7%)	270	289	468	382	327	301	270	232	243	269	275	302
Above Normal Years (13.9%)	281	290	535	542	438	401	393	358	310	269	278	318
Below Normal Years (17.8%)	536	537	600	570	468	430	417	373	321	295	346	464
Dry Years (23.8%)	544	576	621	643	536	451	425	403	338	319	385	459
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-19-3 c. Banks Pumping Plant South Delta Exports Salinity, Alt2wTUCPwoVA Minus NAA, Monthly EC (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 Years (27.7%)	2	1	-2	-5	-1	-3	1	-15	-9	2	5	7
Above Normal Years (13.9%)	4	-1	-8	-2	1	-5	-15	-47	-16	1	12	16
Below Normal Years (17.8%)	3	-4	-6	-4	4	5	-2	-28	-11	1	9	1
Dry Years (23.8%)	7	6	7	11	3	6	1	-20	-6	5	9	15
Critical Years (15.8%)	-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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-19-4 a. Banks Pumping Plant South Delta Exports Salinity, NAA, Monthly EC (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 Years (27.7%)	268	288	470	388	329	304	270	247	252	268	271	295
Above Normal Years (13.9%)	277	291	543	544	436	406	408	405	326	268	266	303
Below Normal Years (17.8%)	533	541	606	573	464	426	418	401	331	294	337	462
Dry Years (23.8%)	536	570	615	632	534	445	424	423	344	314	376	444
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-19-4 b. Banks Pumping Plant South Delta Exports Salinity, Alt2woTUCPDeltaVA, Monthly EC (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 Years (27.7%)	270	290	469	390	328	308	275	237	244	270	274	301
Above Normal Years (13.9%)	280	290	541	541	438	435	445	402	323	270	275	312
Below Normal Years (17.8%)	540	546	607	592	476	481	490	414	330	297	349	469
Dry Years (23.8%)	548	577	613	622	530	482	482	451	356	321	396	472
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-19-4 c. Banks Pumping Plant South Delta Exports Salinity, Alt2woTUCPDeltaVA Minus NAA, Monthly EC (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 Years (27.7%)	2	2	-1	2	-1	4	5	-10	-8	2	4	6
Above Normal Years (13.9%)	3	-1	-3	-3	2	30	37	-3	-4	3	9	10
Below Normal Years (17.8%)	8	5	1	18	12	55	71	12	-1	3	12	6
Dry Years (23.8%)	12	6	-2	-11	-3	37	58	28	13	7	19	28
Critical Years (15.8%)	-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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-19-5 a. Banks Pumping Plant South Delta Exports Salinity, NAA, Monthly EC (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 Years (27.7%)	268	288	470	388	329	304	270	247	252	268	271	295
Above Normal Years (13.9%)	277	291	543	544	436	406	408	405	326	268	266	303
Below Normal Years (17.8%)	533	541	606	573	464	426	418	401	331	294	337	462
Dry Years (23.8%)	536	570	615	632	534	445	424	423	344	314	376	444
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-19-5 b. Banks Pumping Plant South Delta Exports Salinity, Alt2woTUCPAIIVA, Monthly EC (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 Years (27.7%)	269	289	469	385	328	308	274	237	243	270	274	300
Above Normal Years (13.9%)	279	290	542	539	437	435	444	402	321	271	273	310
Below Normal Years (17.8%)	534	536	608	581	473	481	488	413	326	298	344	467
Dry Years (23.8%)	549	576	614	631	535	484	482	453	356	322	397	472
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-19-5 c. Banks Pumping Plant South Delta Exports Salinity, Alt2woTUCPAIIVA Minus NAA, Monthly EC (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 Years (27.7%)	1	1	-1	-2	-1	3	4	-11	-8	2	3	5
Above Normal Years (13.9%)	2	-1	-2	-5	1	29	36	-3	-5	4	7	7
Below Normal Years (17.8%)	1	-6	2	8	9	55	70	12	-5	4	7	4
Dry Years (23.8%)	13	6	-1	-1	1	39	59	30	12	8	21	28
Critical Years (15.8%)	-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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-19-6 a. Banks Pumping Plant South Delta Exports Salinity, NAA, Monthly EC (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 Years (27.7%)	268	288	470	388	329	304	270	247	252	268	271	295
Above Normal Years (13.9%)	277	291	543	544	436	406	408	405	326	268	266	303
Below Normal Years (17.8%)	533	541	606	573	464	426	418	401	331	294	337	462
Dry Years (23.8%)	536	570	615	632	534	445	424	423	344	314	376	444
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-19-6 b. Banks Pumping Plant South Delta Exports Salinity, ALT3, Monthly EC (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 Years (27.7%)	285	293	322	396	333	300	276	251	259	302	328	305
Above Normal Years (13.9%)	287	312	362	456	419	410	419	409	398	389	369	312
Below Normal Years (17.8%)	326	417	566	473	460	469	484	477	457	421	384	307
Dry Years (23.8%)	350	465	545	525	502	479	506	534	510	450	380	313
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-19-6 c. Banks Pumping Plant South Delta Exports Salinity, ALT3 Minus NAA, Monthly EC (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 Years (27.7%)	17	5	-148	9	4	-4	7	3	8	34	57	10
Above Normal Years (13.9%)	10	21	-181	-87	-18	4	11	4	72	122	104	10
Below Normal Years (17.8%)	-207	-125	-41	-101	-4	44	66	75	126	128	48	-155
Dry Years (23.8%)	-186	-105	-70	-107	-32	34	82	111	166	136	4	-131
Critical Years (15.8%)	-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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-19-7 a. Banks Pumping Plant South Delta Exports Salinity, NAA, Monthly EC (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 Years (27.7%)	268	288	470	388	329	304	270	247	252	268	271	295
Above Normal Years (13.9%)	277	291	543	544	436	406	408	405	326	268	266	303
Below Normal Years (17.8%)	533	541	606	573	464	426	418	401	331	294	337	462
Dry Years (23.8%)	536	570	615	632	534	445	424	423	344	314	376	444
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-19-7 b. Banks Pumping Plant South Delta Exports Salinity, ALT4, Monthly EC (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 Years (27.7%)	340	386	531	385	325	297	269	232	242	268	290	386
Above Normal Years (13.9%)	351	361	612	496	410	392	389	357	310	268	299	427
Below Normal Years (17.8%)	538	541	610	541	443	420	414	372	320	293	344	465
Dry Years (23.8%)	547	578	623	590	514	442	422	399	336	318	388	462
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-19-7 c. Banks Pumping Plant South Delta Exports Salinity, ALT4 Minus NAA, Monthly EC (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 Years (27.7%)	72	98	61	-3	-4	-7	-1	-15	-9	1	19	91
Above Normal Years (13.9%)	74	70	69	-48	-26	-14	-19	-48	-16	1	34	124
Below Normal Years (17.8%)	5	0	4	-33	-21	-6	-4	-29	-12	0	7	2
Dry Years (23.8%)	11	7	8	-42	-20	-3	-2	-24	-8	5	12	18
Critical Years (15.8%)	-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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-19-8 a. Banks Pumping Plant South Delta Exports Salinity, NAA, Monthly EC (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 Years (27.7%)	268	288	470	388	329	304	270	247	252	268	271	295
Above Normal Years (13.9%)	277	291	543	544	436	406	408	405	326	268	266	303
Below Normal Years (17.8%)	533	541	606	573	464	426	418	401	331	294	337	462
Dry Years (23.8%)	536	570	615	632	534	445	424	423	344	314	376	444
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-19-8 b. Banks Pumping Plant South Delta Exports Salinity, Action 5, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	594	682	774	769	689	550	517	474	440	464	521	556
20% Exceedance	579	632	741	710	598	488	489	457	361	334	440	521
30% Exceedance	571	602	714	678	521	457	474	442	345	320	384	500
40% Exceedance	560	576	696	619	474	443	445	432	339	305	358	481
50% Exceedance	554	566	675	554	435	423	430	417	332	296	332	475
60% Exceedance	537	552	643	488	394	405	408	385	322	285	312	463
70% Exceedance	530	535	611	414	366	382	371	339	304	275	294	451
80% Exceedance	511	523	511	372	307	333	329	310	277	266	287	438
90% Exceedance	468	464	377	291	245	267	197	176	207	258	281	408
Full Simulation Period Average^a	537	563	627	539	454	415	405	378	330	322	365	476
Wet Years (27.7%)	492	517	564	389	322	297	266	236	243	270	288	428
Above Normal Years (13.9%)	521	511	639	532	423	400	413	392	318	268	287	460
Below Normal Years (17.8%)	546	549	628	569	451	440	448	397	323	297	346	476
Dry Years (23.8%)	550	569	610	604	523	462	460	441	346	321	408	482
Critical Years (15.8%)	603	701	750	674	613	535	514	496	478	489	522	566

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-19-8 c. Banks Pumping Plant South Delta Exports Salinity, Action 5 Minus NAA, Monthly EC (UMHOS/CM)

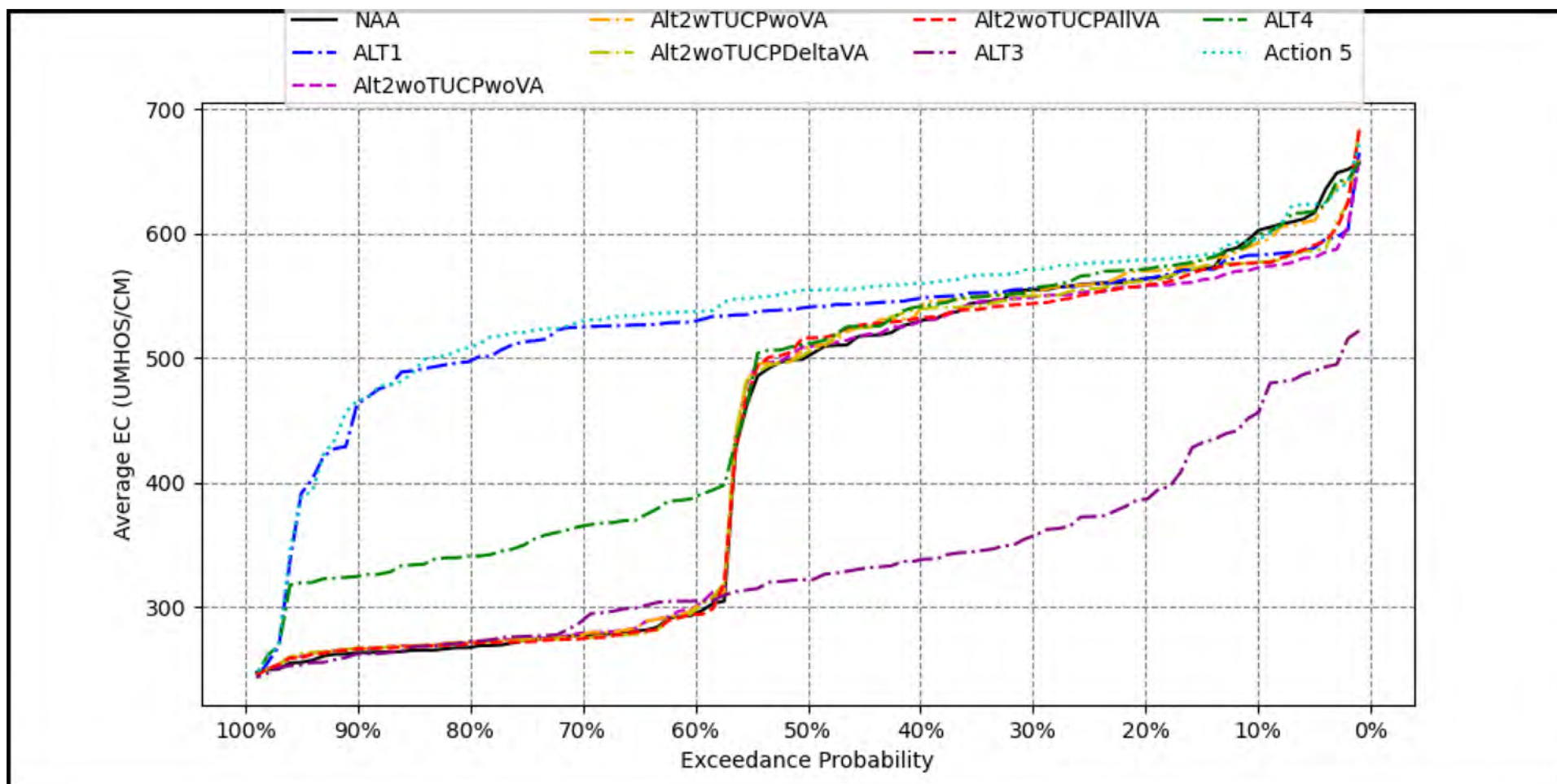
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1	1	13	-46	1	30	12	-10	-17	-29	-28	-19
20% Exceedance	16	21	9	-13	-23	7	37	-6	-4	1	35	16
30% Exceedance	16	12	17	2	6	3	38	1	-3	9	19	30
40% Exceedance	31	14	35	-9	-14	12	28	15	-2	4	15	33
50% Exceedance	53	42	48	-13	-24	9	18	9	-4	1	18	74
60% Exceedance	242	236	75	32	-10	10	11	-8	-6	2	21	129
70% Exceedance	253	241	98	8	-3	3	-6	-29	-11	3	19	152
80% Exceedance	242	238	59	4	-6	-17	3	-23	-17	0	19	142
90% Exceedance	205	183	31	-3	-6	3	-7	1	-7	3	20	121
Full Simulation Period Average^a	105	101	42	-8	-7	5	15	-3	-8	-1	14	69
Wet Years (27.7%)	224	229	94	1	-6	-7	-3	-11	-9	2	17	134
Above Normal Years (13.9%)	244	220	95	-12	-13	-6	5	-13	-8	0	22	157
Below Normal Years (17.8%)	13	8	22	-4	-13	14	30	-5	-8	3	9	14
Dry Years (23.8%)	14	-1	-5	-28	-10	17	36	19	3	7	32	38
Critical Years (15.8%)	-1	12	-23	8	8	8	8	-10	-25	-27	-22	-12

^a Based on the 100-year simulation period.

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

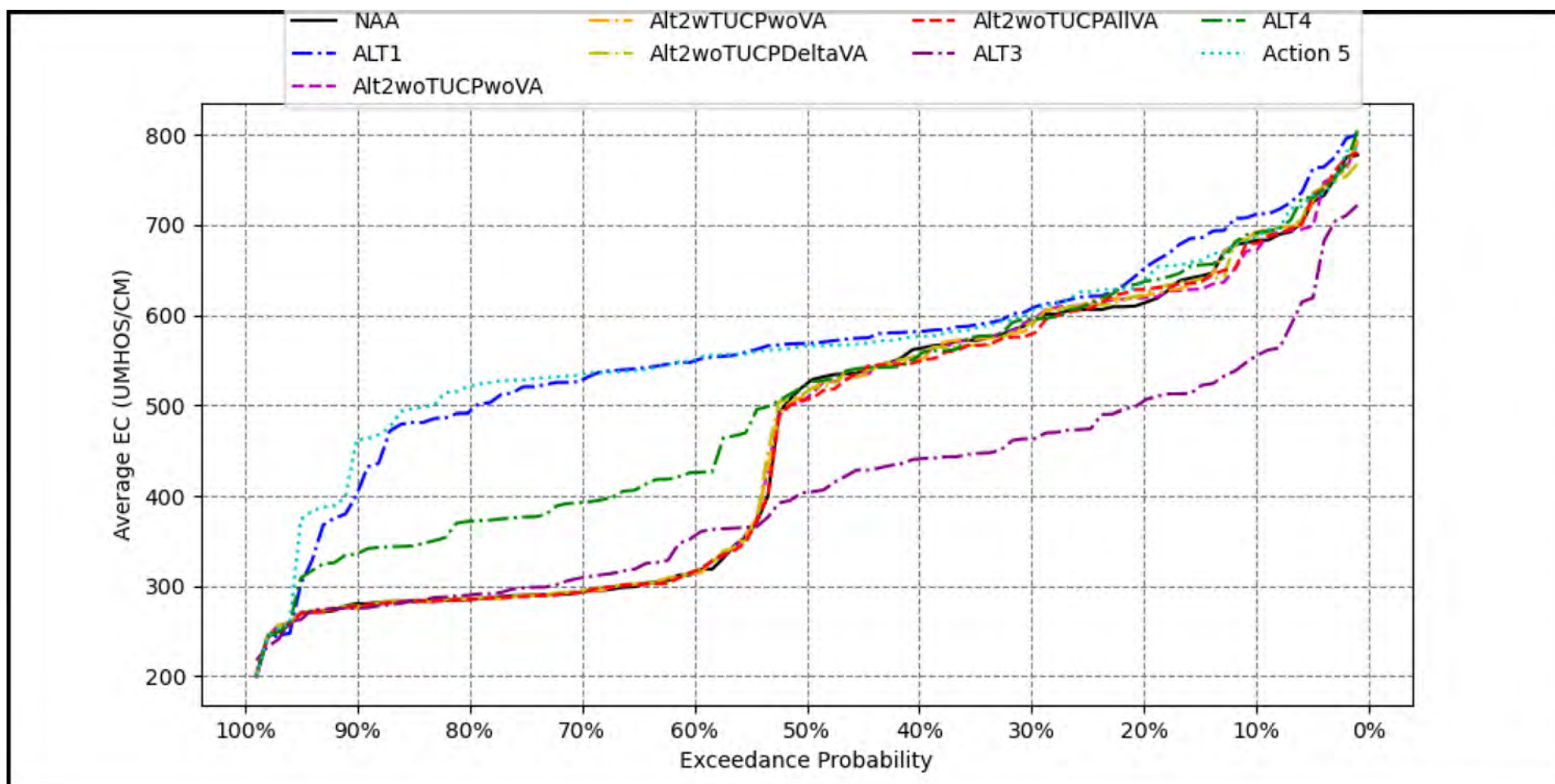
* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.



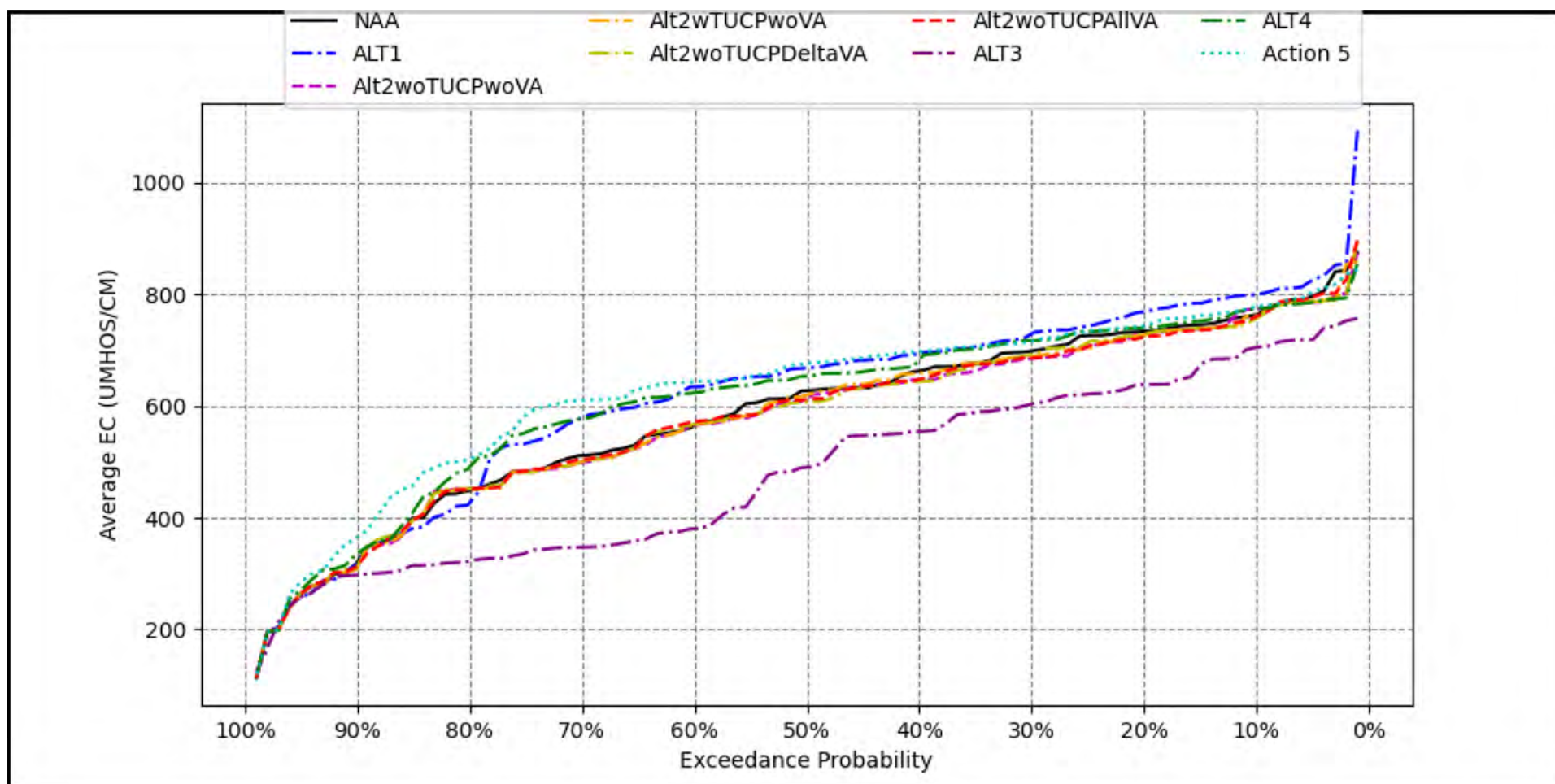
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-19-1 Banks Pumping Plant South Delta Exports Salinity, October EC



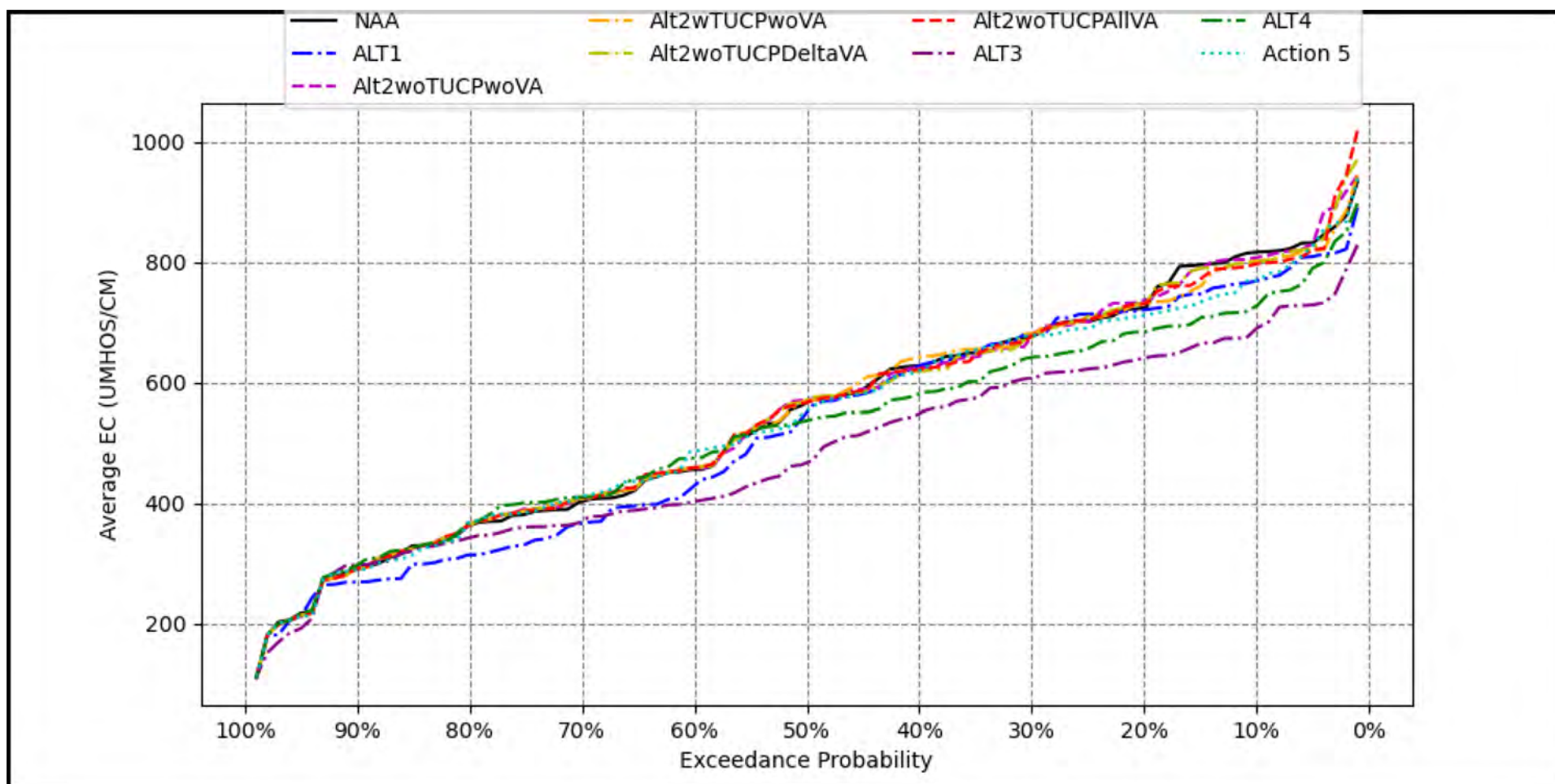
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-19-2 Banks Pumping Plant South Delta Exports Salinity, November EC



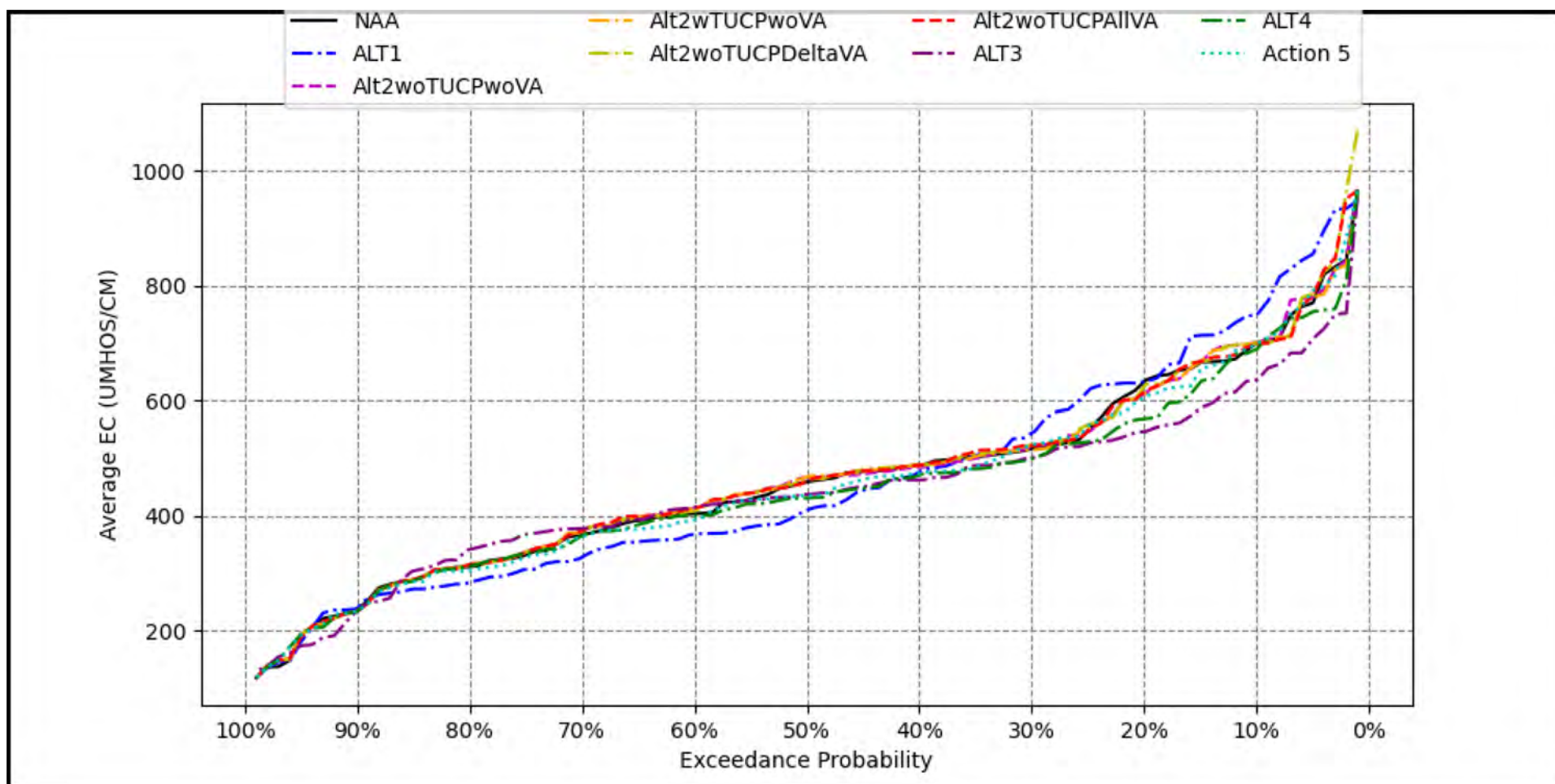
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-19-3 Banks Pumping Plant South Delta Exports Salinity, December EC



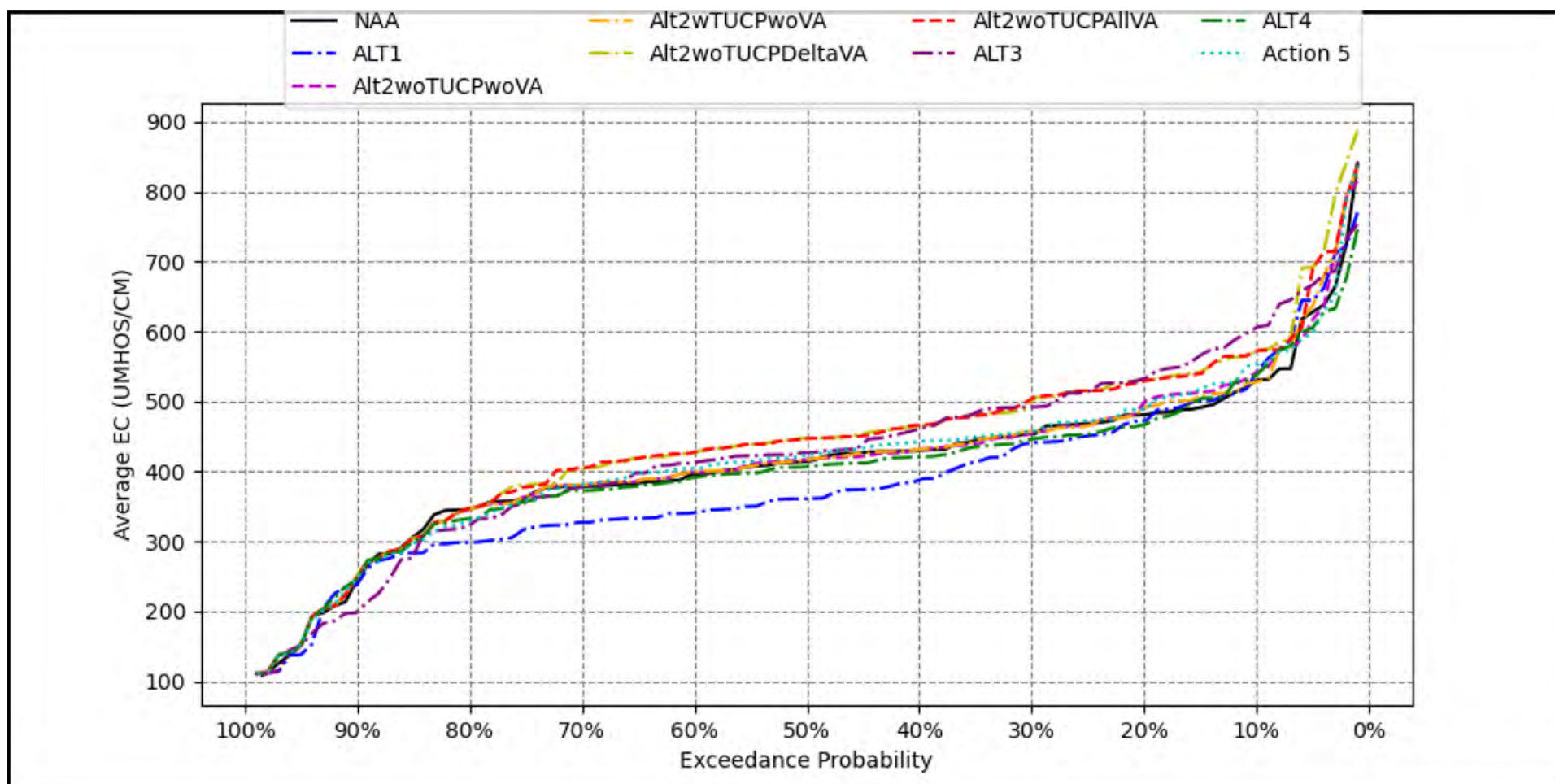
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-19-4 Banks Pumping Plant South Delta Exports Salinity, January EC



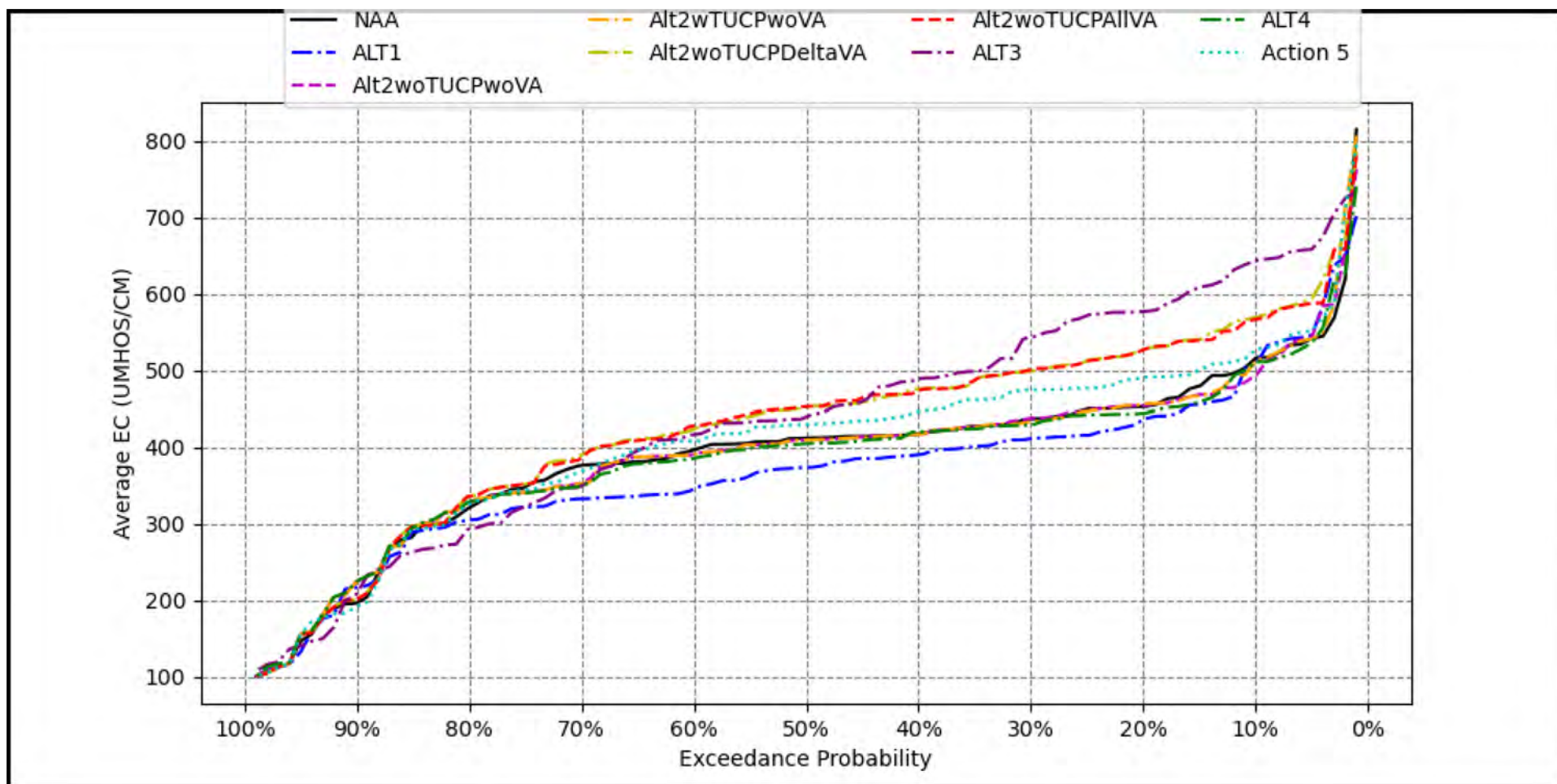
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-19-5 Banks Pumping Plant South Delta Exports Salinity, February EC



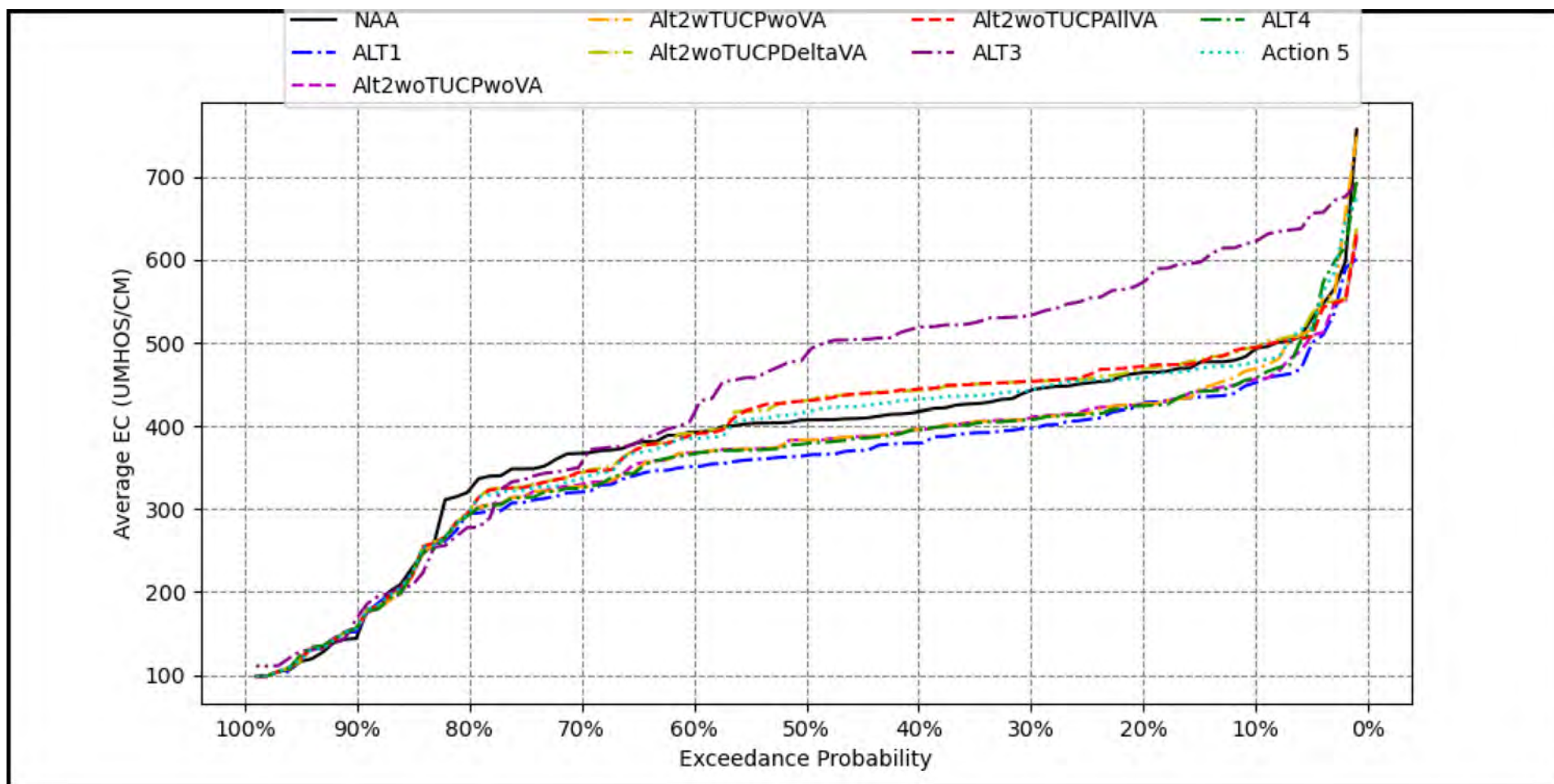
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-19-6 Banks Pumping Plant South Delta Exports Salinity, March EC



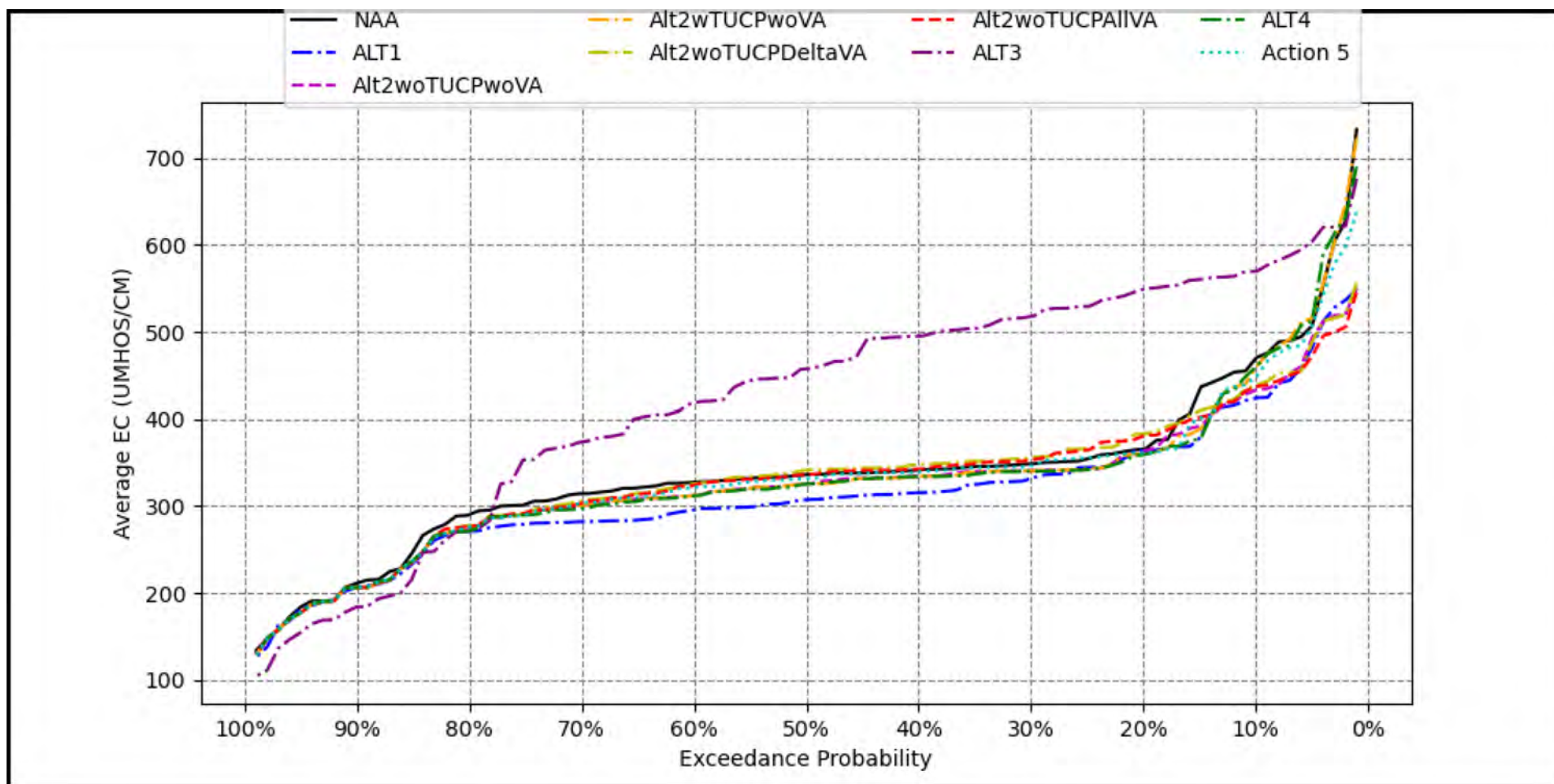
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-19-7 Banks Pumping Plant South Delta Exports Salinity, April EC



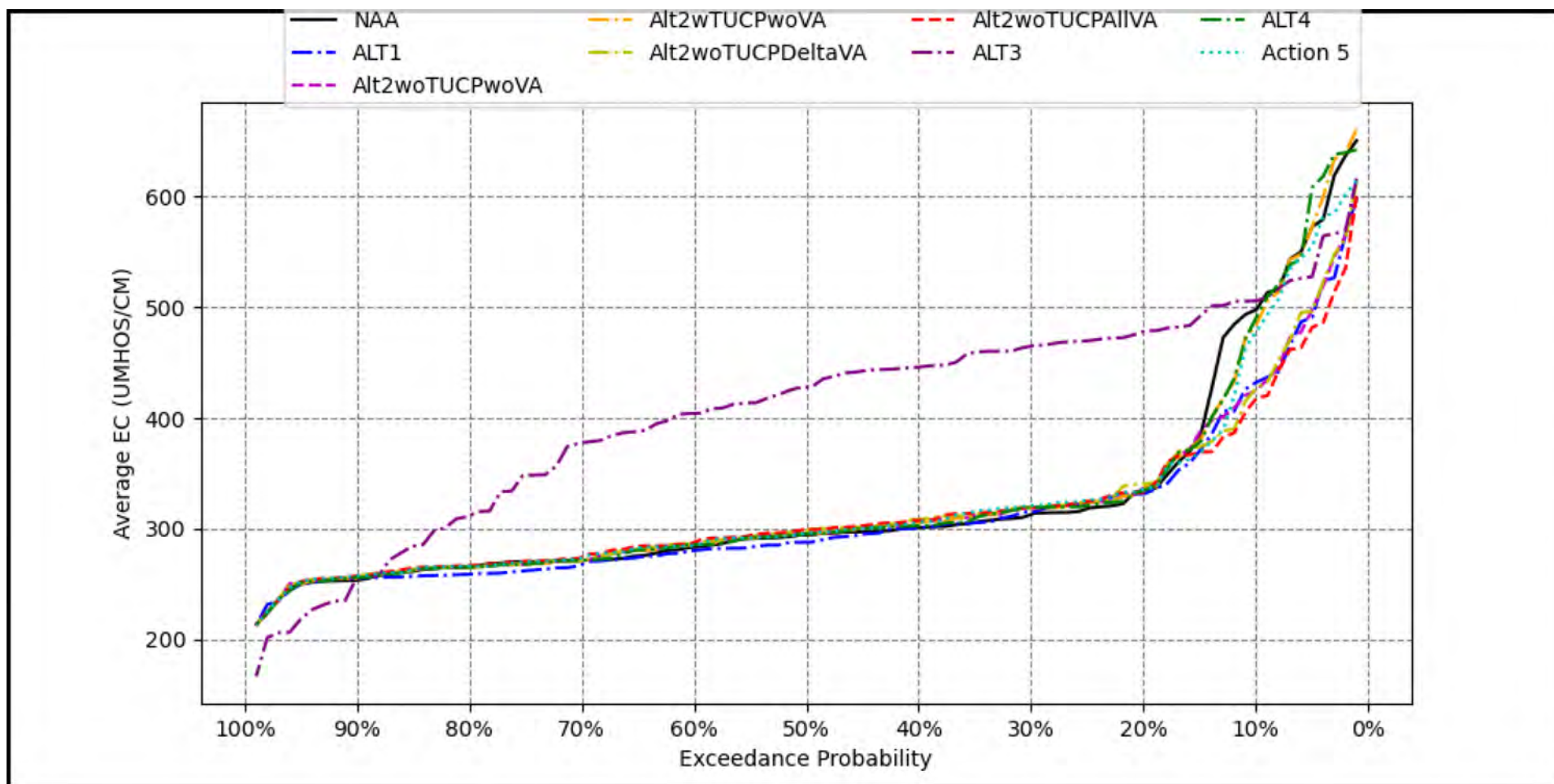
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-19-8 Banks Pumping Plant South Delta Exports Salinity, May EC



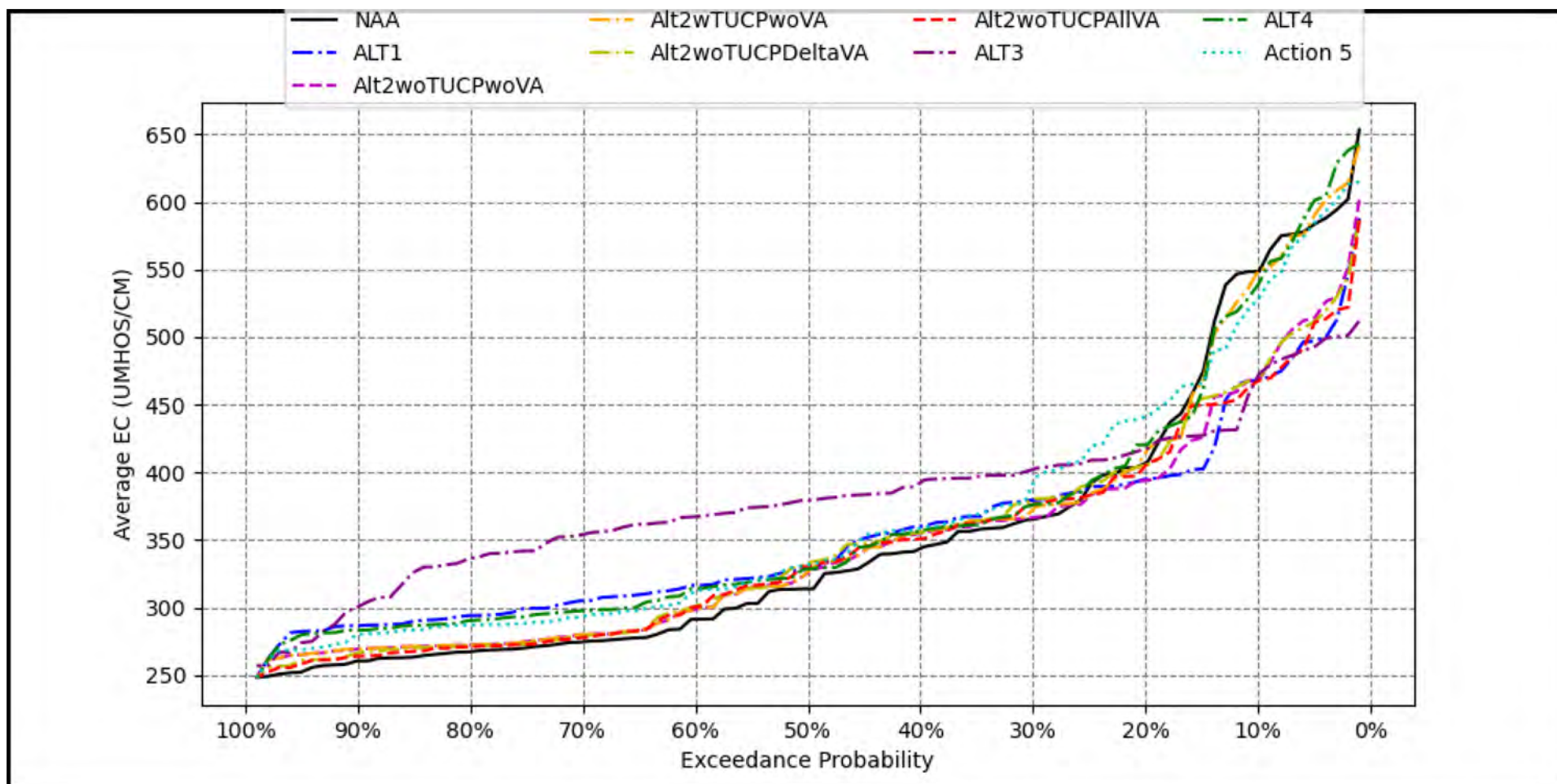
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-19-9 Banks Pumping Plant South Delta Exports Salinity, June EC



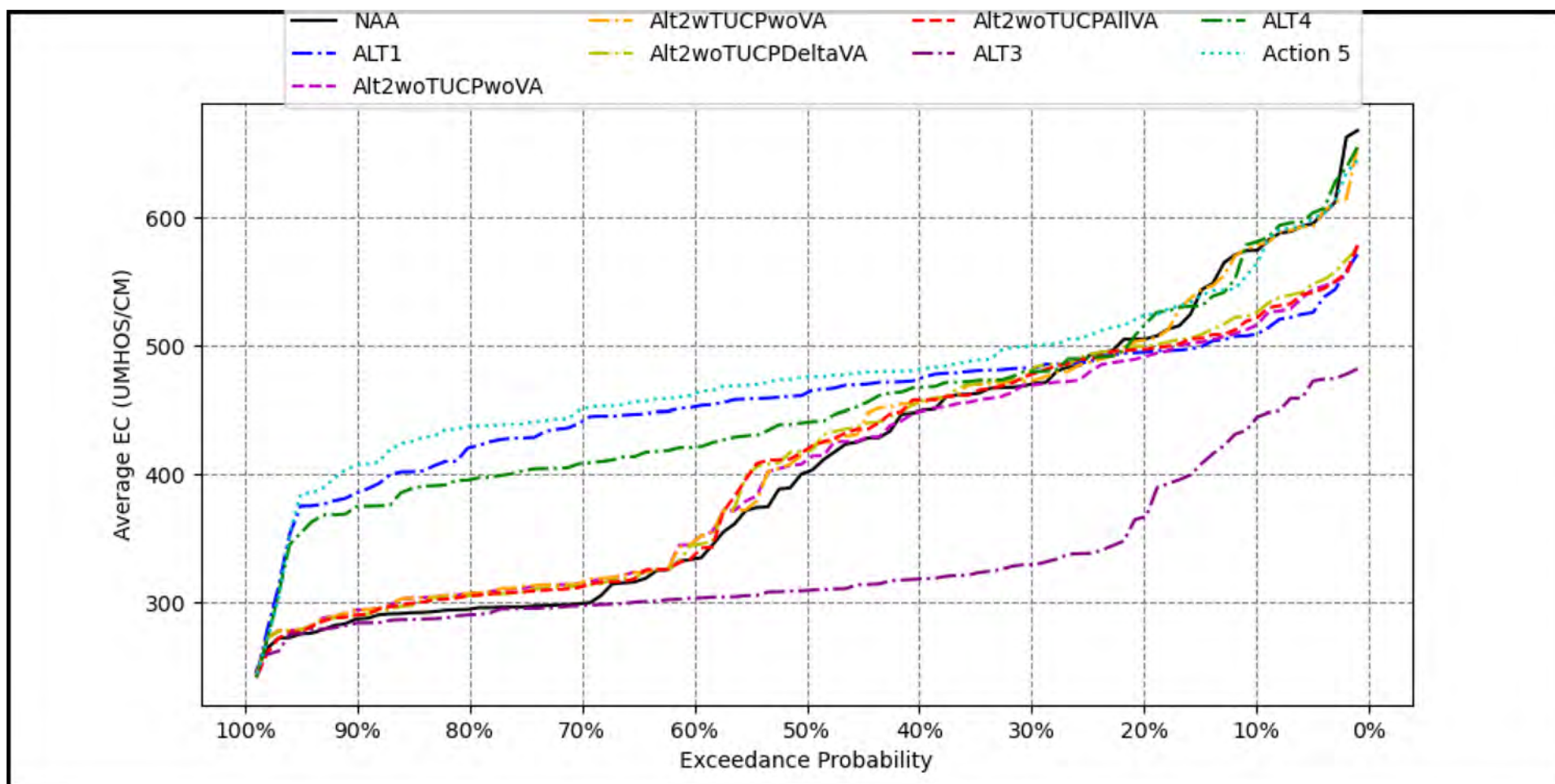
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-19-10 Banks Pumping Plant South Delta Exports Salinity, July EC



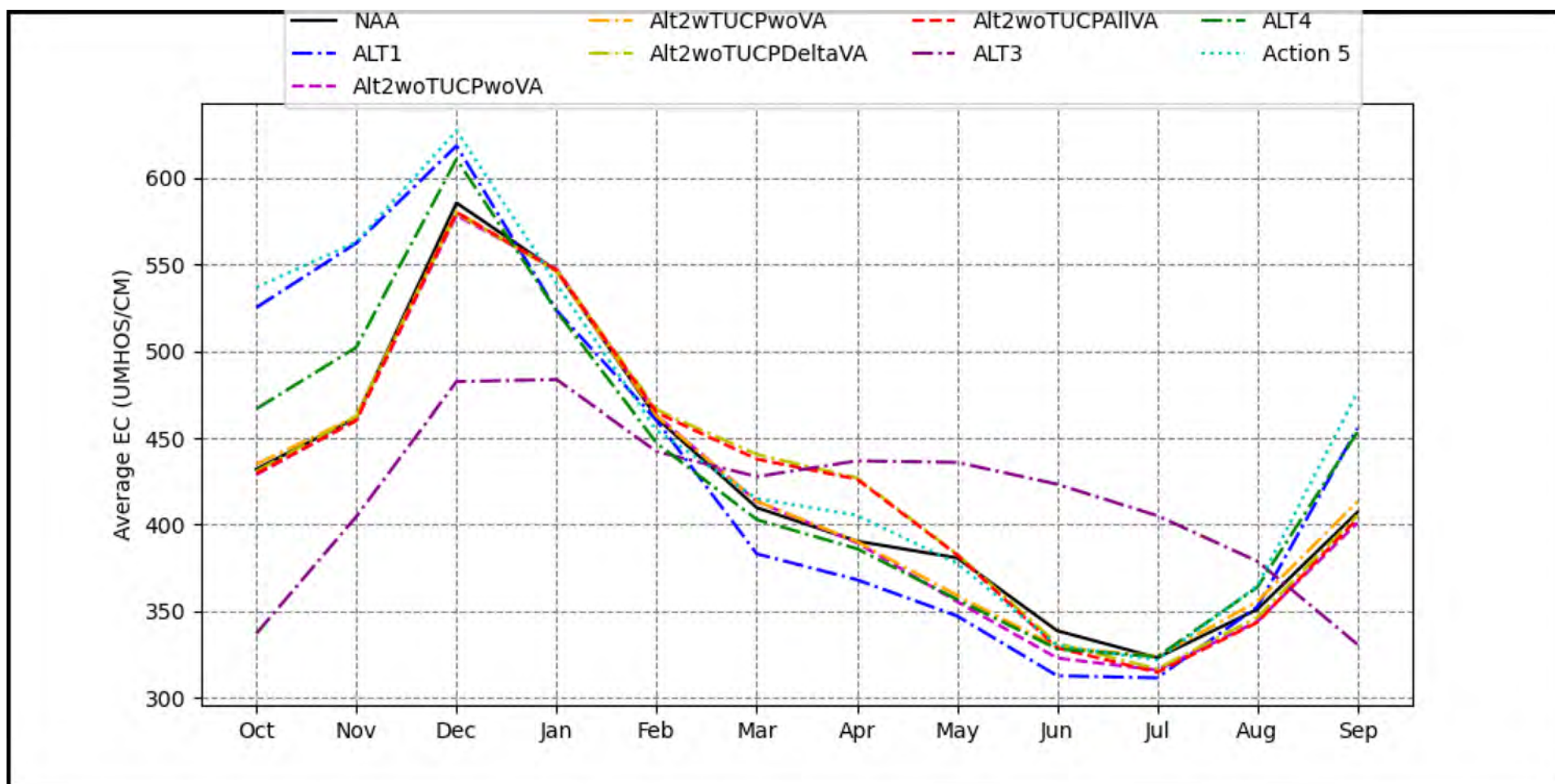
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-19-11 Banks Pumping Plant South Delta Exports Salinity, August EC



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

Figure F.2.5-19-12 Banks Pumping Plant South Delta Exports Salinity, September EC

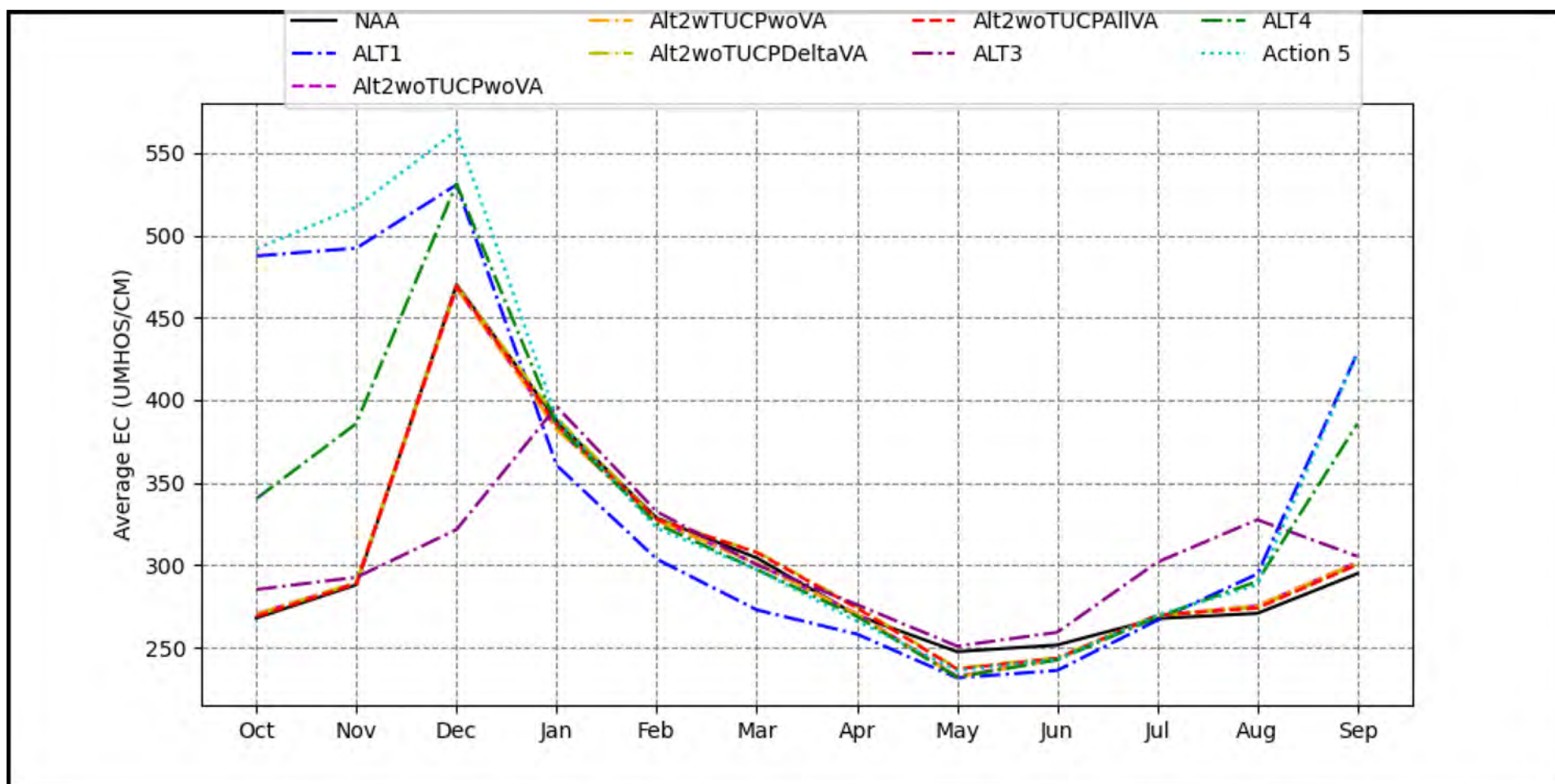


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-19-13 Banks Pumping Plant South Delta Exports Salinity, Long Term Average EC (UMHOS/CM)

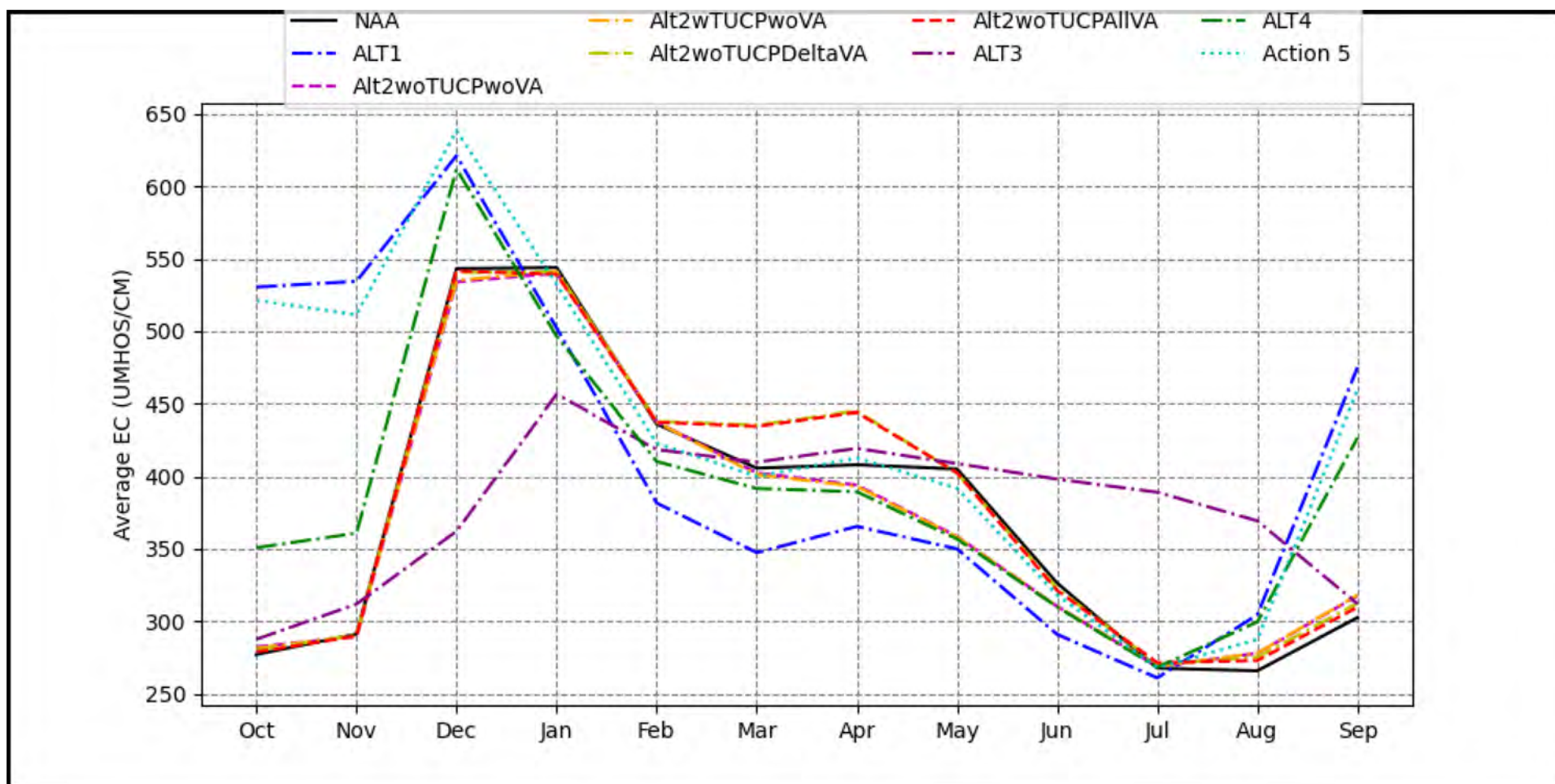


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-19-14 Banks Pumping Plant South Delta Exports Salinity, Wet Year Average EC (UMHOS/CM)

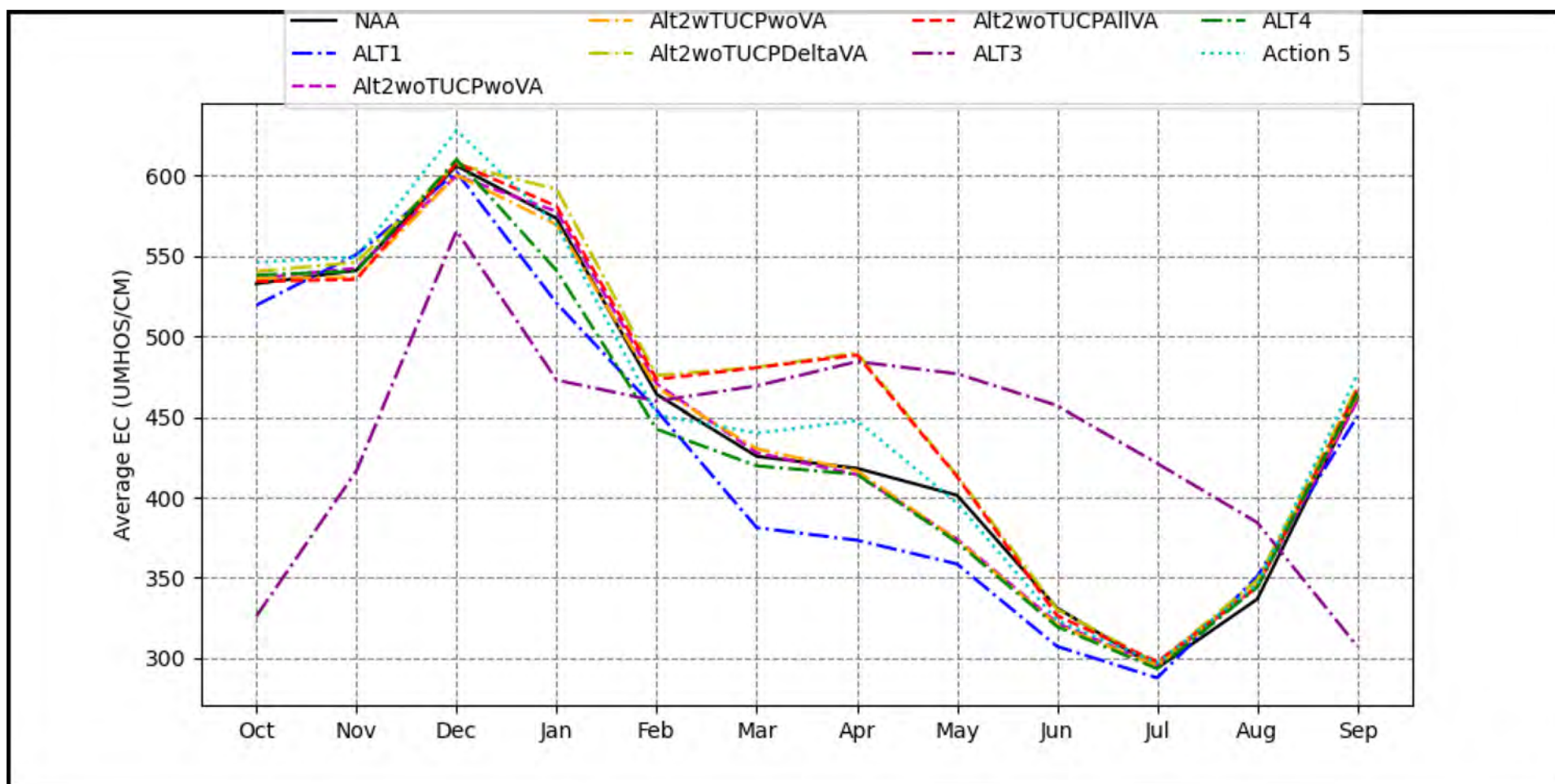


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-19-15 Banks Pumping Plant South Delta Exports Salinity, Above Normal Year Average EC (UMHOS/CM)

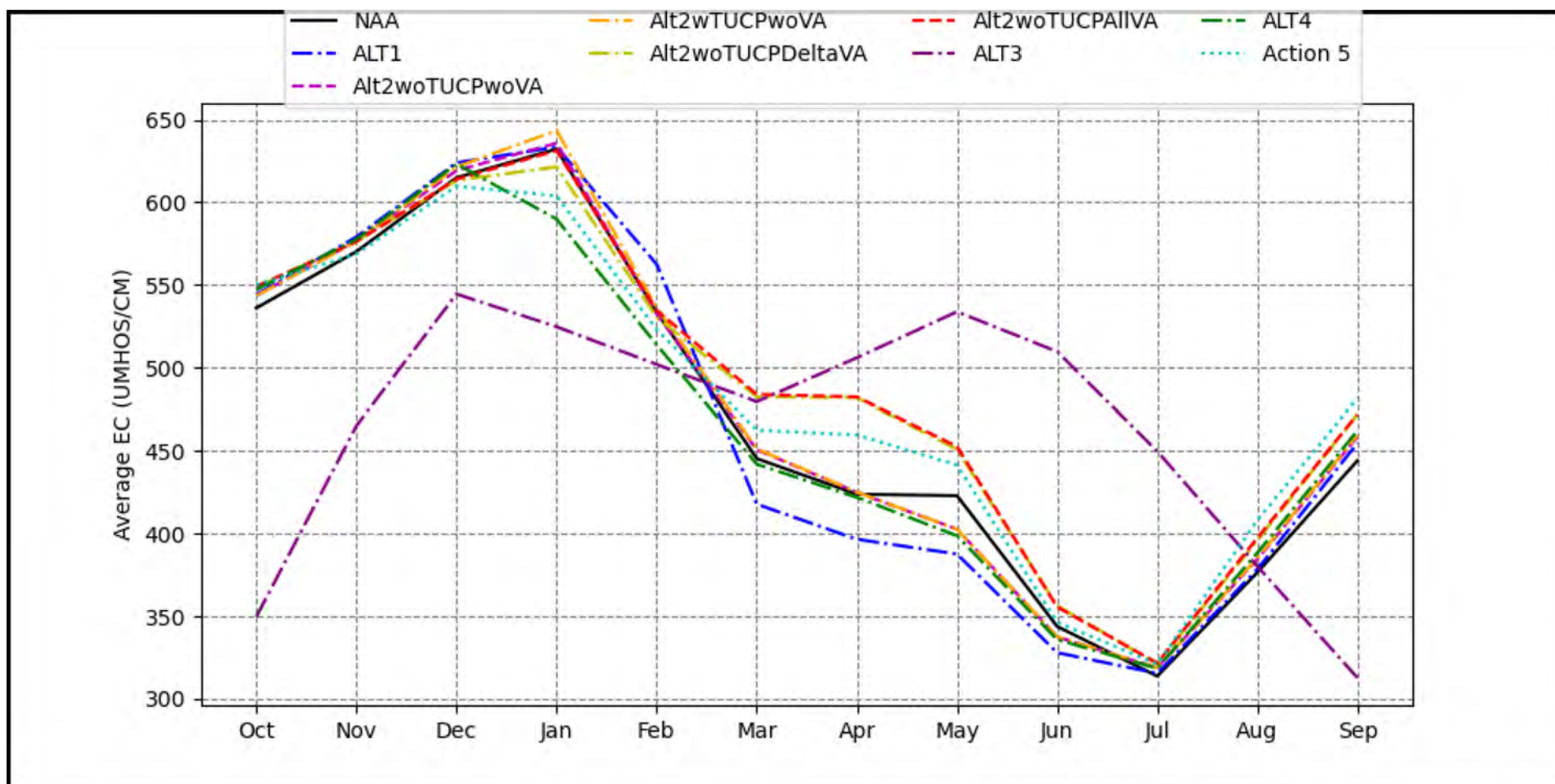


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-19-16 Banks Pumping Plant South Delta Exports Salinity, Below Normal Year Average EC (UMHOS/CM)

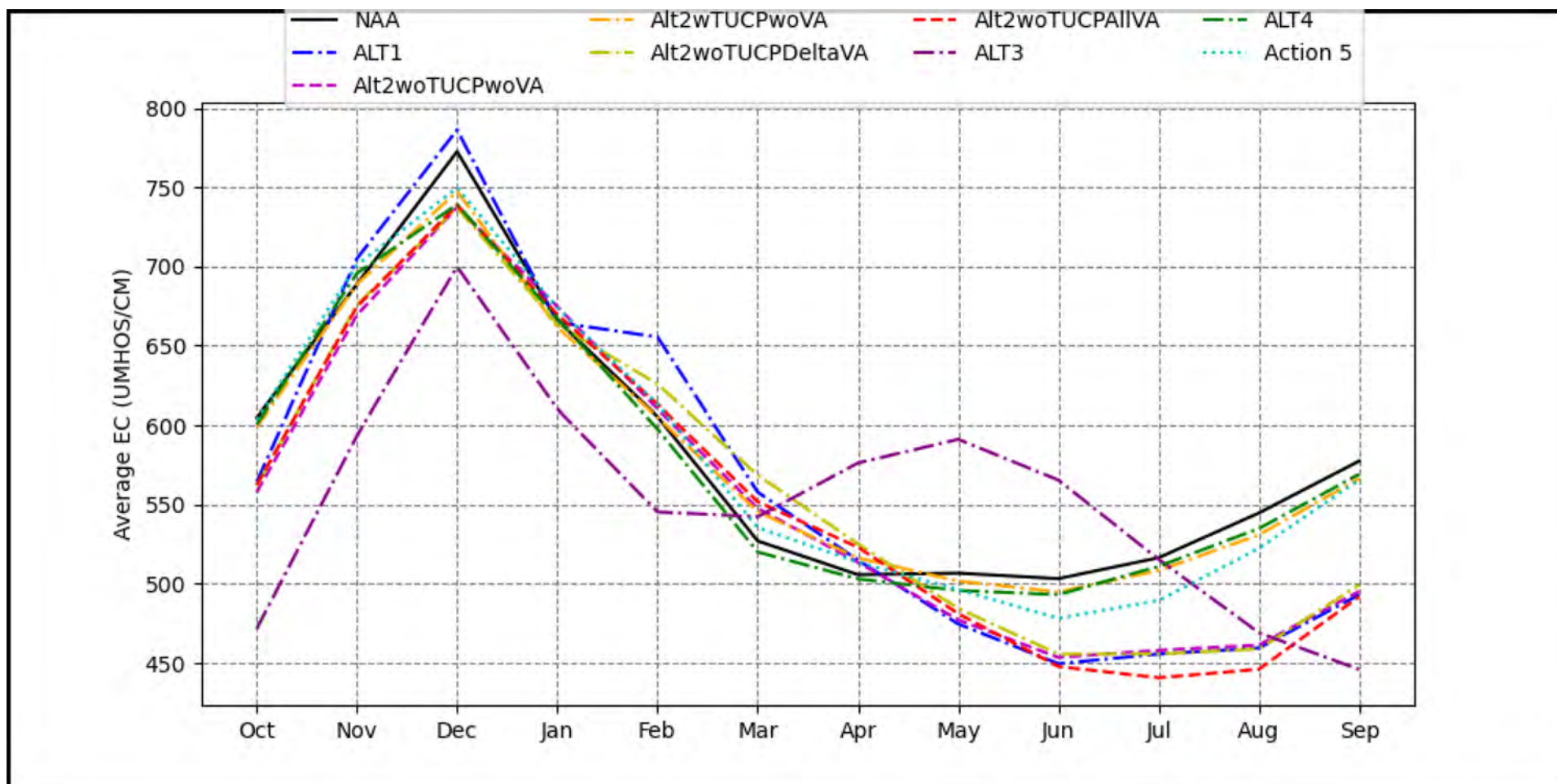


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-19-17 Banks Pumping Plant South Delta Exports Salinity, Dry Year Average EC (UMHOS/CM)



*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-19-18 Banks Pumping Plant South Delta Exports Salinity, Critical Year Average EC (UMHOS/CM)

F.2.5-20 Old River at Highway 4

Table F.2.5-20-1 a. Old River at Highway 4, NAA, Monthly EC (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 Years (27.7%)	249	296	532	351	328	298	292	267	245	250	272	295
Above Normal Years (13.9%)	254	297	611	493	377	353	400	365	287	257	276	308
Below Normal Years (17.8%)	606	609	639	544	403	364	386	362	293	299	378	551
Dry Years (23.8%)	638	646	651	631	485	375	388	373	299	329	429	534
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-20-1 b. Old River at Highway 4, ALT1, Monthly EC (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 Years (27.7%)	552	564	594	336	307	264	269	233	231	248	309	496
Above Normal Years (13.9%)	605	613	686	483	331	295	334	311	264	252	335	559
Below Normal Years (17.8%)	597	627	646	533	424	323	333	322	279	291	392	526
Dry Years (23.8%)	637	664	682	683	553	361	355	343	296	330	432	546
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-20-1 c. Old River at Highway 4, ALT1 Minus NAA, Monthly EC (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 Years (27.7%)	303	268	61	-14	-21	-33	-22	-34	-14	-2	37	201
Above Normal Years (13.9%)	351	316	75	-10	-46	-58	-67	-54	-23	-4	60	250
Below Normal Years (17.8%)	-9	19	7	-11	21	-41	-53	-40	-13	-8	14	-25
Dry Years (23.8%)	-2	17	31	52	68	-14	-33	-31	-4	1	3	12
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-20-2 a. Old River at Highway 4, NAA, Monthly EC (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 Years (27.7%)	249	296	532	351	328	298	292	267	245	250	272	295
Above Normal Years (13.9%)	254	297	611	493	377	353	400	365	287	257	276	308
Below Normal Years (17.8%)	606	609	639	544	403	364	386	362	293	299	378	551
Dry Years (23.8%)	638	646	651	631	485	375	388	373	299	329	429	534
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-20-2 b. Old River at Highway 4, Alt2woTUCPwoVA, Monthly EC (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 Years (27.7%)	251	298	528	346	327	289	280	236	239	251	278	303
Above Normal Years (13.9%)	257	293	600	488	384	352	356	317	281	259	292	323
Below Normal Years (17.8%)	614	608	632	547	410	367	369	331	291	300	386	545
Dry Years (23.8%)	647	655	655	627	479	378	376	353	301	333	440	553
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-20-2 c. Old River at Highway 4, Alt2woTUCPwoVA Minus NAA, Monthly EC (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 Years (27.7%)	2	1	-4	-5	0	-9	-12	-31	-6	1	6	8
Above Normal Years (13.9%)	4	-4	-11	-5	8	-1	-45	-48	-5	2	17	15
Below Normal Years (17.8%)	9	-1	-8	4	7	3	-17	-30	-2	1	8	-6
Dry Years (23.8%)	9	9	4	-4	-6	3	-12	-21	2	4	11	18
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-20-3 a. Old River at Highway 4, NAA, Monthly EC (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 Years (27.7%)	249	296	532	351	328	298	292	267	245	250	272	295
Above Normal Years (13.9%)	254	297	611	493	377	353	400	365	287	257	276	308
Below Normal Years (17.8%)	606	609	639	544	403	364	386	362	293	299	378	551
Dry Years (23.8%)	638	646	651	631	485	375	388	373	299	329	429	534
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-20-3 b. Old River at Highway 4, Alt2wTUCPwoVA, Monthly EC (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 Years (27.7%)	251	298	528	346	327	289	279	235	239	251	278	303
Above Normal Years (13.9%)	257	294	601	489	388	351	355	317	281	259	293	324
Below Normal Years (17.8%)	611	602	633	539	408	366	369	330	290	300	387	549
Dry Years (23.8%)	647	654	658	636	482	378	376	353	301	333	442	553
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-20-3 c. Old River at Highway 4, Alt2wTUCPwoVA Minus NAA, Monthly EC (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 Years (27.7%)	2	1	-4	-5	-1	-8	-13	-32	-6	1	6	8
Above Normal Years (13.9%)	3	-3	-10	-4	11	-2	-45	-48	-5	2	17	15
Below Normal Years (17.8%)	5	-6	-6	-4	5	2	-17	-32	-2	1	9	-2
Dry Years (23.8%)	9	7	7	5	-4	3	-12	-21	2	4	12	19
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-20-4 a. Old River at Highway 4, NAA, Monthly EC (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 Years (27.7%)	249	296	532	351	328	298	292	267	245	250	272	295
Above Normal Years (13.9%)	254	297	611	493	377	353	400	365	287	257	276	308
Below Normal Years (17.8%)	606	609	639	544	403	364	386	362	293	299	378	551
Dry Years (23.8%)	638	646	651	631	485	375	388	373	299	329	429	534
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-20-4 b. Old River at Highway 4, Alt2woTUCPDeltaVA, Monthly EC (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 Years (27.7%)	251	299	528	352	328	296	291	240	240	250	277	302
Above Normal Years (13.9%)	257	296	607	489	385	406	439	357	287	260	288	319
Below Normal Years (17.8%)	620	615	641	565	414	434	443	359	295	301	391	556
Dry Years (23.8%)	649	652	649	612	478	413	436	386	309	336	453	567
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-20-4 c. Old River at Highway 4, Alt2woTUCPDeltaVA Minus NAA, Monthly EC (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 Years (27.7%)	2	3	-5	2	0	-1	0	-27	-5	1	5	7
Above Normal Years (13.9%)	3	-1	-4	-4	8	52	38	-8	1	3	13	10
Below Normal Years (17.8%)	14	6	2	21	11	70	57	-2	2	2	13	5
Dry Years (23.8%)	11	6	-3	-19	-7	37	48	13	9	7	24	33
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-20-5 a. Old River at Highway 4, NAA, Monthly EC (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 Years (27.7%)	249	296	532	351	328	298	292	267	245	250	272	295
Above Normal Years (13.9%)	254	297	611	493	377	353	400	365	287	257	276	308
Below Normal Years (17.8%)	606	609	639	544	403	364	386	362	293	299	378	551
Dry Years (23.8%)	638	646	651	631	485	375	388	373	299	329	429	534
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-20-5 b. Old River at Highway 4, Alt2woTUCPAIIVA, Monthly EC (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 Years (27.7%)	250	299	527	348	327	296	290	241	239	251	276	302
Above Normal Years (13.9%)	255	296	608	487	380	404	438	356	286	260	284	316
Below Normal Years (17.8%)	611	602	642	552	412	433	438	355	290	302	384	554
Dry Years (23.8%)	647	650	648	623	481	413	436	387	305	337	453	566
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-20-5 c. Old River at Highway 4, Alt2woTUCPAIIVA Minus NAA, Monthly EC (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 Years (27.7%)	1	2	-5	-2	-1	-1	-2	-26	-6	1	4	7
Above Normal Years (13.9%)	2	-1	-3	-6	3	50	37	-9	-1	3	8	7
Below Normal Years (17.8%)	6	-7	3	8	9	70	52	-7	-3	3	6	3
Dry Years (23.8%)	9	4	-3	-7	-4	38	48	13	6	8	24	31
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-20-6 a. Old River at Highway 4, NAA, Monthly EC (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 Years (27.7%)	249	296	532	351	328	298	292	267	245	250	272	295
Above Normal Years (13.9%)	254	297	611	493	377	353	400	365	287	257	276	308
Below Normal Years (17.8%)	606	609	639	544	403	364	386	362	293	299	378	551
Dry Years (23.8%)	638	646	651	631	485	375	388	373	299	329	429	534
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-20-6 b. Old River at Highway 4, ALT3, Monthly EC (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 Years (27.7%)	258	271	306	346	313	330	276	224	265	312	303	271
Above Normal Years (13.9%)	260	288	406	430	381	420	449	407	388	345	307	274
Below Normal Years (17.8%)	347	469	644	455	449	460	517	482	401	355	313	285
Dry Years (23.8%)	401	548	614	509	472	441	535	515	435	327	295	291
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-20-6 c. Old River at Highway 4, ALT3 Minus NAA, Monthly EC (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 Years (27.7%)	9	-26	-227	-5	-15	32	-16	-43	21	62	31	-24
Above Normal Years (13.9%)	6	-9	-205	-63	4	67	49	42	101	88	31	-34
Below Normal Years (17.8%)	-259	-139	4	-89	46	96	130	120	108	55	-65	-266
Dry Years (23.8%)	-237	-99	-37	-122	-14	66	147	142	135	-2	-134	-243
Critical Years (15.8%)	-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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-20-7 a. Old River at Highway 4, NAA, Monthly EC (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 Years (27.7%)	249	296	532	351	328	298	292	267	245	250	272	295
Above Normal Years (13.9%)	254	297	611	493	377	353	400	365	287	257	276	308
Below Normal Years (17.8%)	606	609	639	544	403	364	386	362	293	299	378	551
Dry Years (23.8%)	638	646	651	631	485	375	388	373	299	329	429	534
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-20-7 b. Old River at Highway 4, ALT4, Monthly EC (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 Years (27.7%)	347	434	582	347	323	287	279	236	239	250	305	419
Above Normal Years (13.9%)	343	398	670	427	370	349	353	316	281	259	331	468
Below Normal Years (17.8%)	614	610	638	497	384	359	366	328	290	299	385	551
Dry Years (23.8%)	646	655	659	575	471	376	374	348	300	334	445	557
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-20-7 c. Old River at Highway 4, ALT4 Minus NAA, Monthly EC (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 Years (27.7%)	98	138	50	-4	-4	-10	-13	-31	-5	0	33	124
Above Normal Years (13.9%)	89	101	59	-66	-6	-4	-48	-49	-5	2	55	160
Below Normal Years (17.8%)	8	2	-1	-46	-19	-5	-20	-33	-3	0	7	0
Dry Years (23.8%)	8	9	8	-56	-14	0	-14	-25	1	5	16	22
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-20-8 a. Old River at Highway 4, NAA, Monthly EC (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 Years (27.7%)	249	296	532	351	328	298	292	267	245	250	272	295
Above Normal Years (13.9%)	254	297	611	493	377	353	400	365	287	257	276	308
Below Normal Years (17.8%)	606	609	639	544	403	364	386	362	293	299	378	551
Dry Years (23.8%)	638	646	651	631	485	375	388	373	299	329	429	534
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-20-8 b. Old River at Highway 4, Action 5, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	700	809	875	793	646	460	468	423	437	543	593	647
20% Exceedance	673	755	838	682	545	409	446	393	311	363	508	613
30% Exceedance	657	689	810	640	450	398	432	381	305	326	435	588
40% Exceedance	649	664	789	599	403	382	420	371	298	315	411	578
50% Exceedance	636	645	725	489	379	371	399	359	291	294	364	563
60% Exceedance	620	625	681	413	353	356	385	338	283	268	343	550
70% Exceedance	605	606	600	360	332	334	358	317	276	260	316	535
80% Exceedance	584	589	513	320	302	300	330	285	260	253	300	517
90% Exceedance	527	507	380	273	268	264	279	217	212	246	292	494
Full Simulation Period Average^a	618	645	678	514	421	369	387	342	307	327	404	559
Wet Years (27.7%)	557	591	622	353	321	289	283	240	239	250	301	496
Above Normal Years (13.9%)	593	580	696	476	381	358	410	348	284	254	314	545
Below Normal Years (17.8%)	623	625	663	534	393	384	411	347	289	302	388	565
Dry Years (23.8%)	644	639	653	591	477	392	424	379	299	340	467	576
Critical Years (15.8%)	707	834	810	692	581	468	466	452	481	533	588	648

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-20-8 c. Old River at Highway 4, Action 5 Minus NAA, Monthly EC (UMHOS/CM)

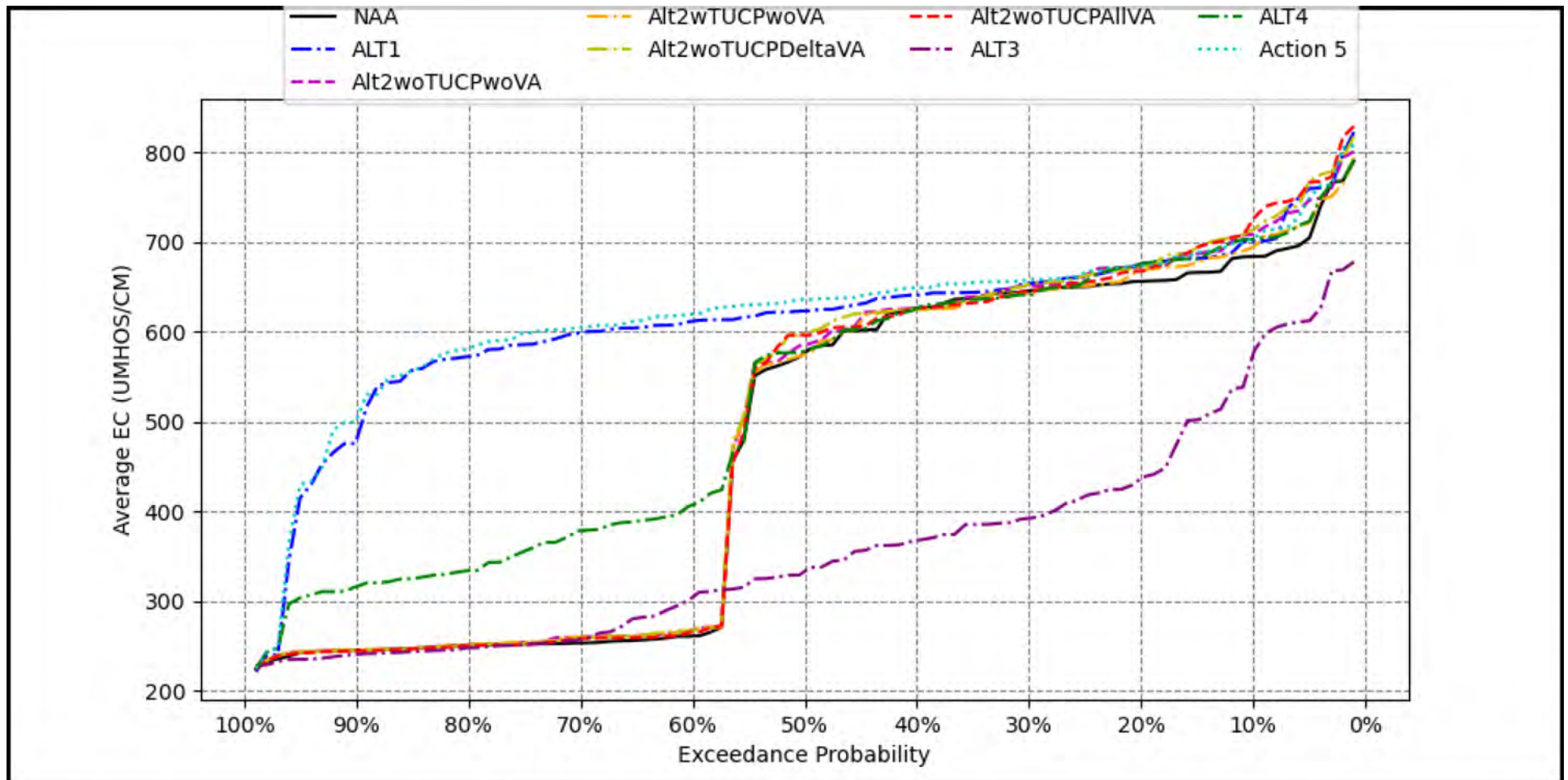
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	17	11	11	-74	-1	25	3	-17	-30	-12	4	-2
20% Exceedance	17	25	22	-73	-13	7	26	-14	-3	12	39	17
30% Exceedance	12	25	33	0	-9	12	26	-6	1	6	14	26
40% Exceedance	23	33	32	32	-9	9	28	0	-2	4	18	43
50% Exceedance	59	49	37	-31	-12	14	21	2	-5	-4	15	72
60% Exceedance	359	301	95	1	-8	14	17	-13	-4	0	31	207
70% Exceedance	352	299	78	18	1	4	4	-20	-5	1	37	224
80% Exceedance	333	291	63	-3	-6	-11	-15	-32	-7	1	31	218
90% Exceedance	281	229	64	-4	-3	-10	-9	-38	-7	2	28	208
Full Simulation Period Average^a	145	131	40	-10	-5	6	11	-15	-9	-1	20	101
Wet Years (27.7%)	308	295	89	3	-7	-9	-8	-27	-6	1	29	202
Above Normal Years (13.9%)	340	283	85	-18	4	5	10	-16	-3	-3	39	237
Below Normal Years (17.8%)	18	16	24	-10	-10	20	25	-15	-4	3	10	14
Dry Years (23.8%)	6	-7	1	-40	-8	17	36	6	0	11	37	42
Critical Years (15.8%)	19	23	-32	16	1	3	-5	-28	-40	-27	-24	-9

^a Based on the 100-year simulation period.

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

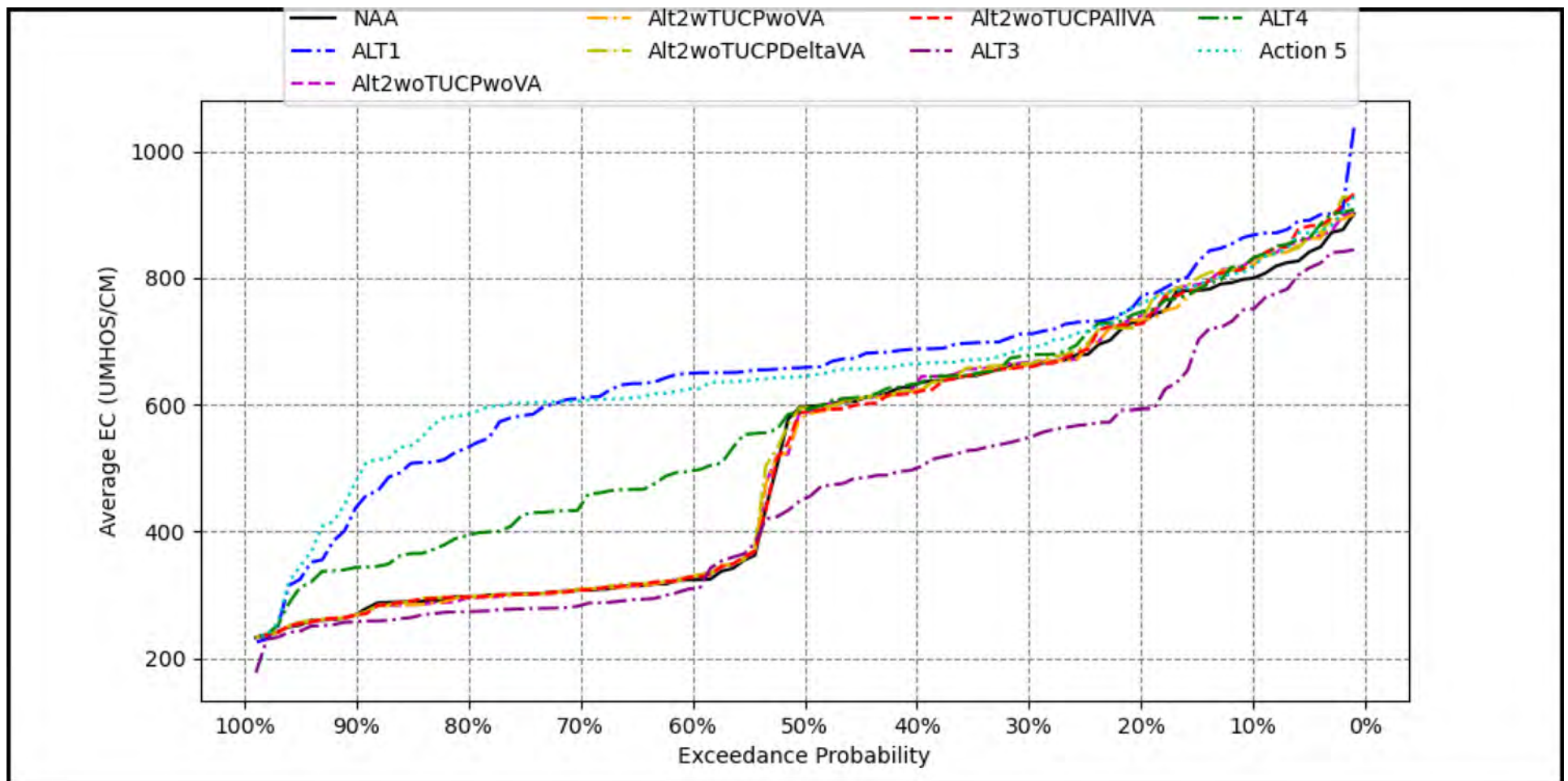
* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.



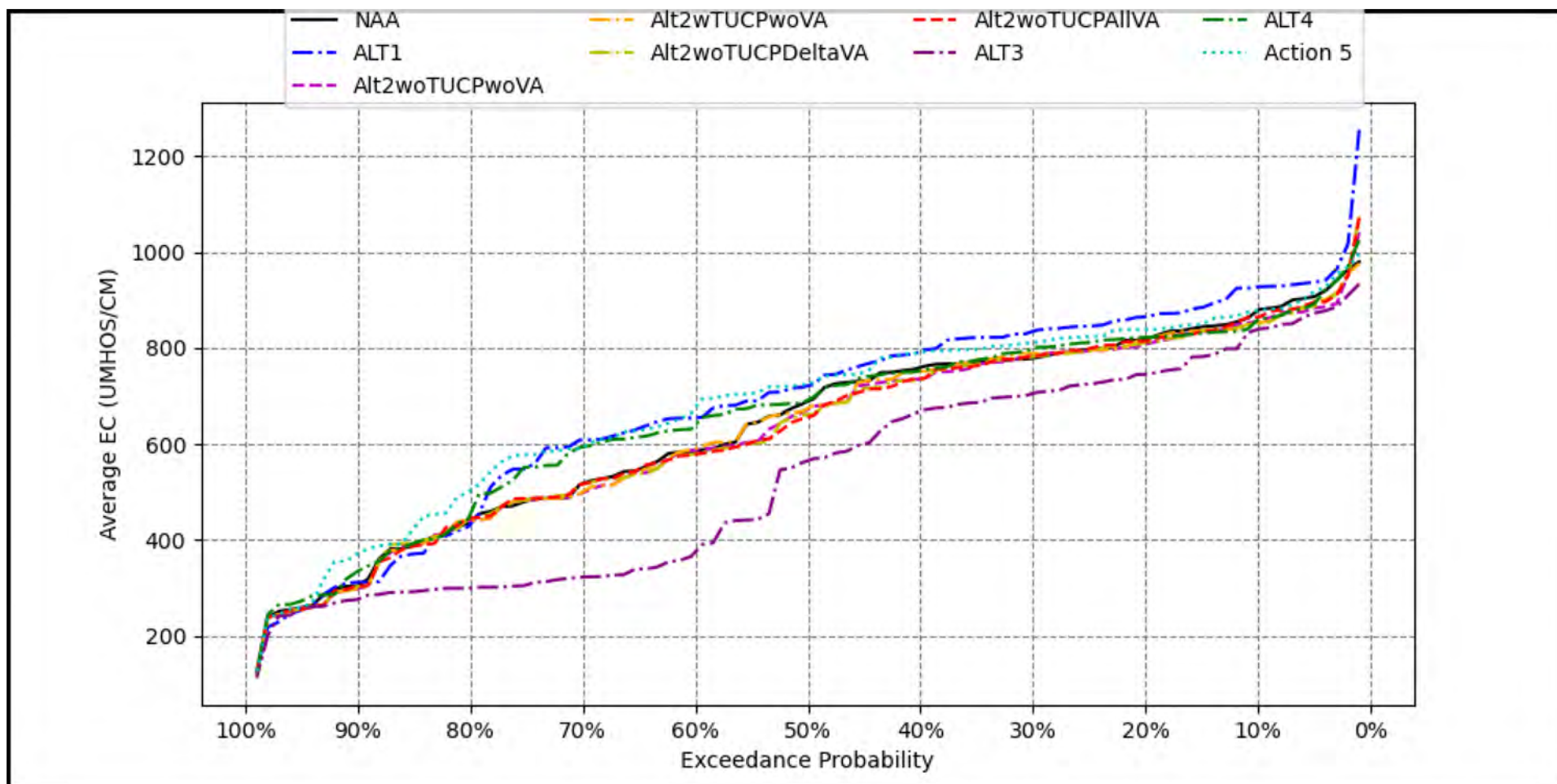
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-20-1 Old River at Highway 4, October EC



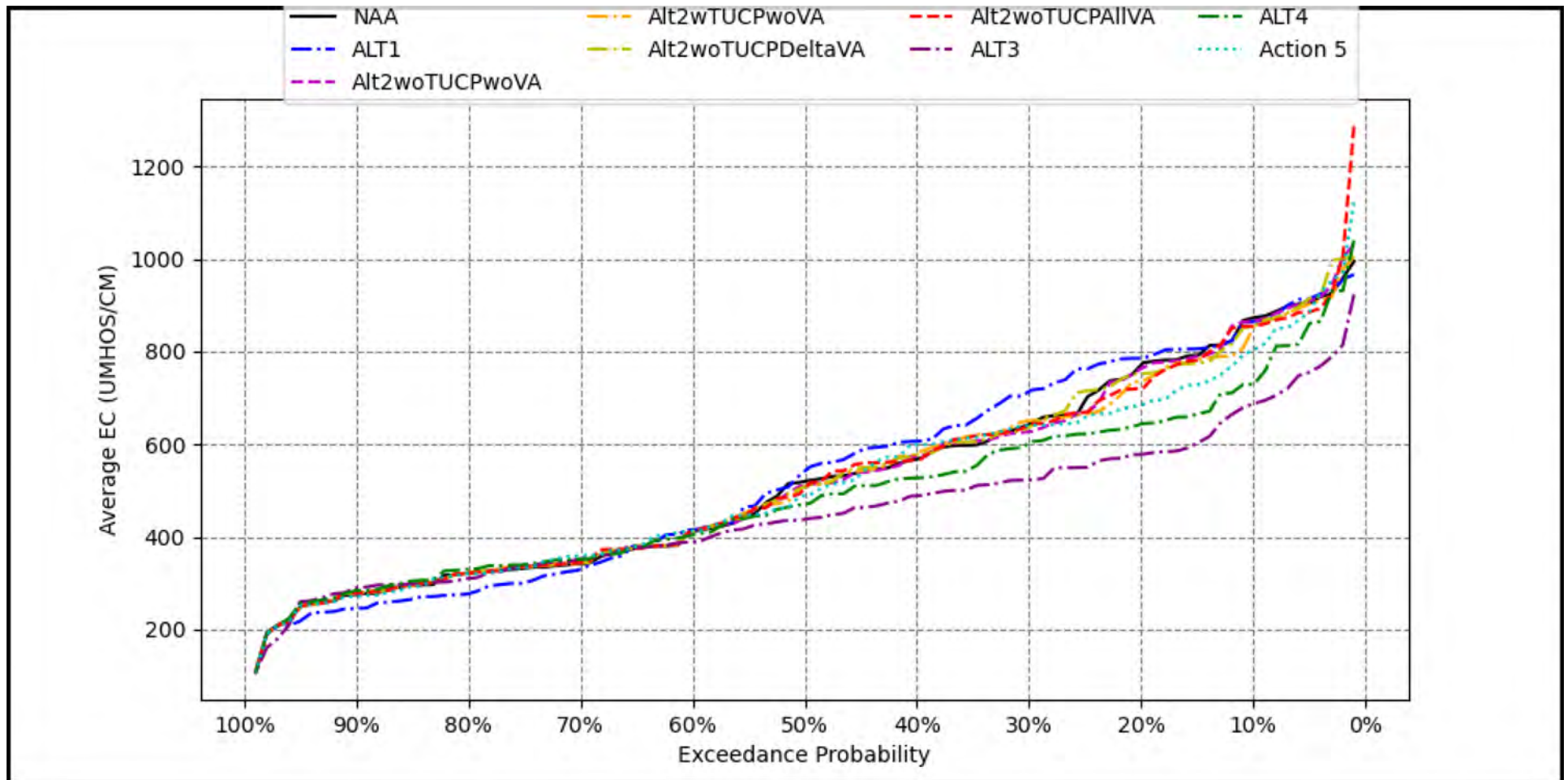
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-20-2 Old River at Highway 4, November EC



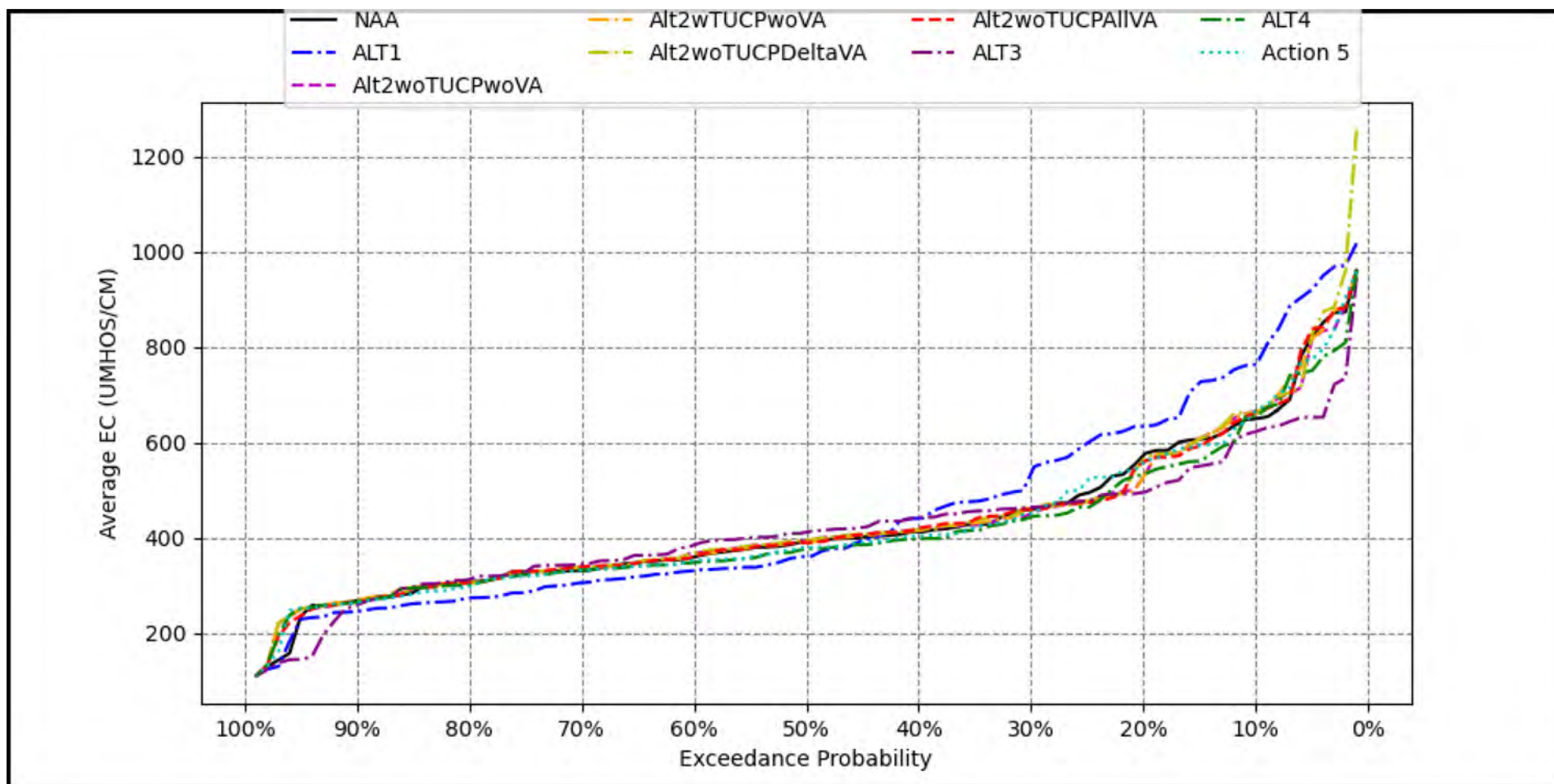
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-20-3 Old River at Highway 4, December EC



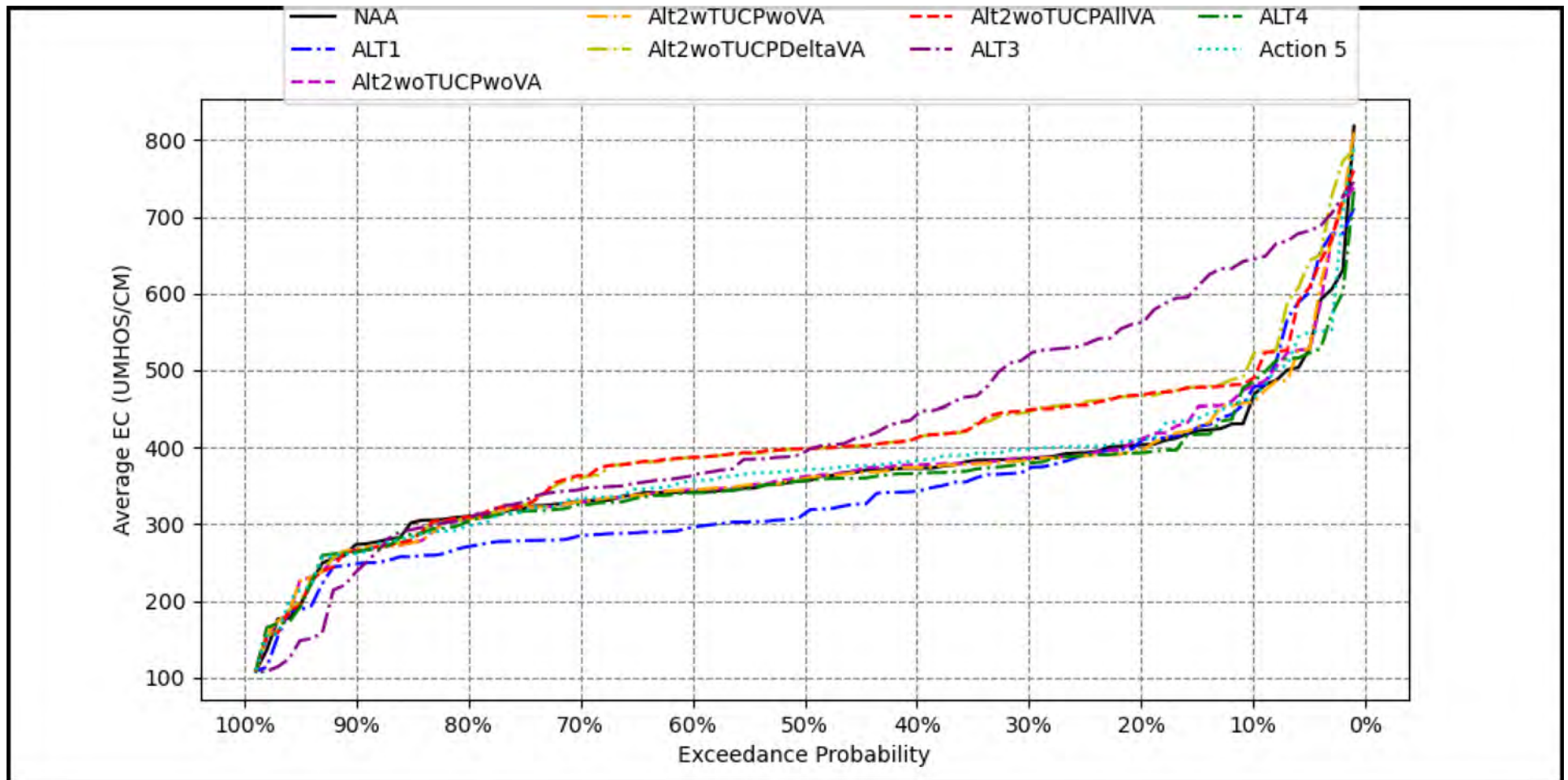
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-20-4 Old River at Highway 4, January EC



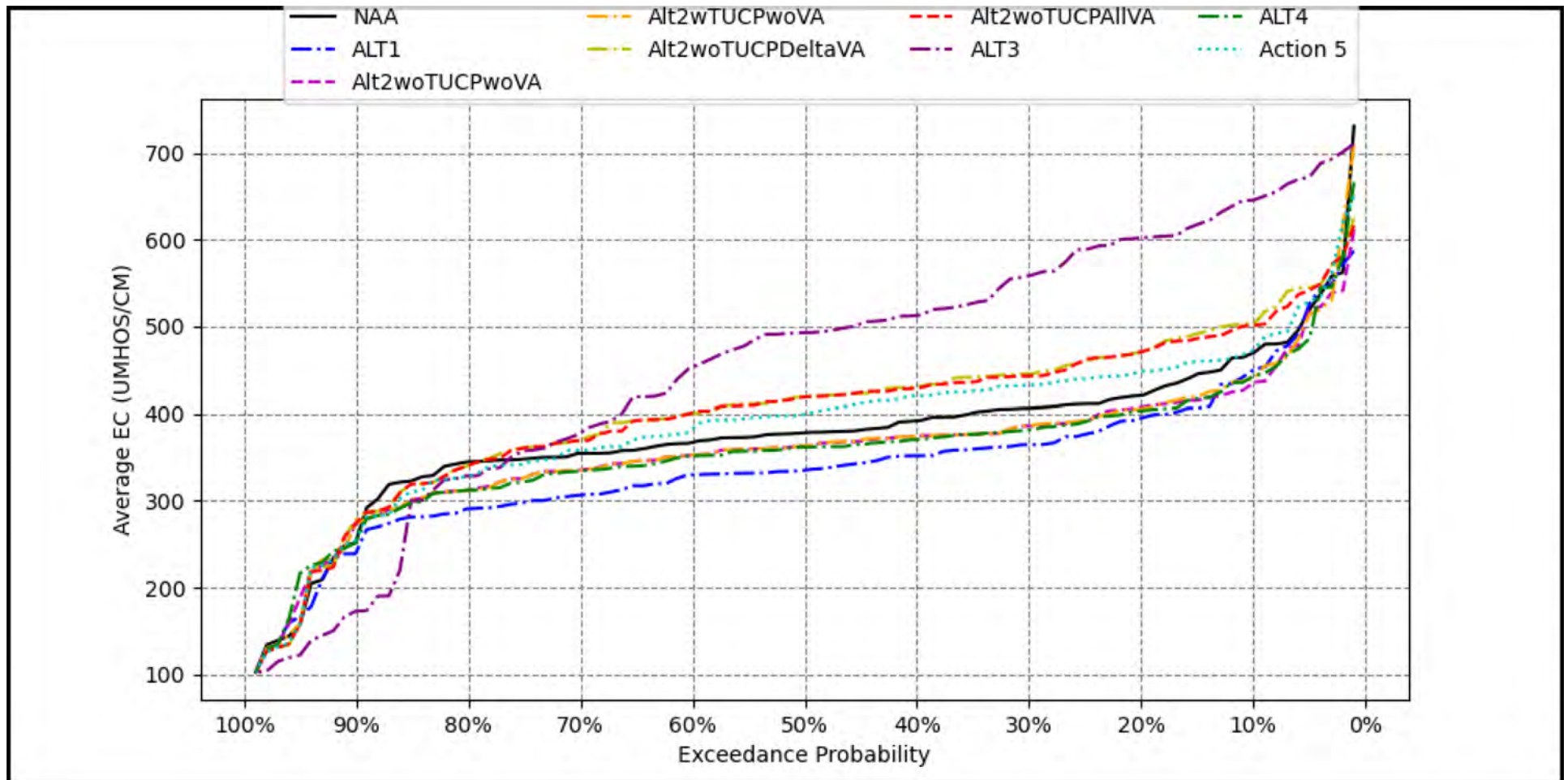
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-20-5 Old River at Highway 4, February EC



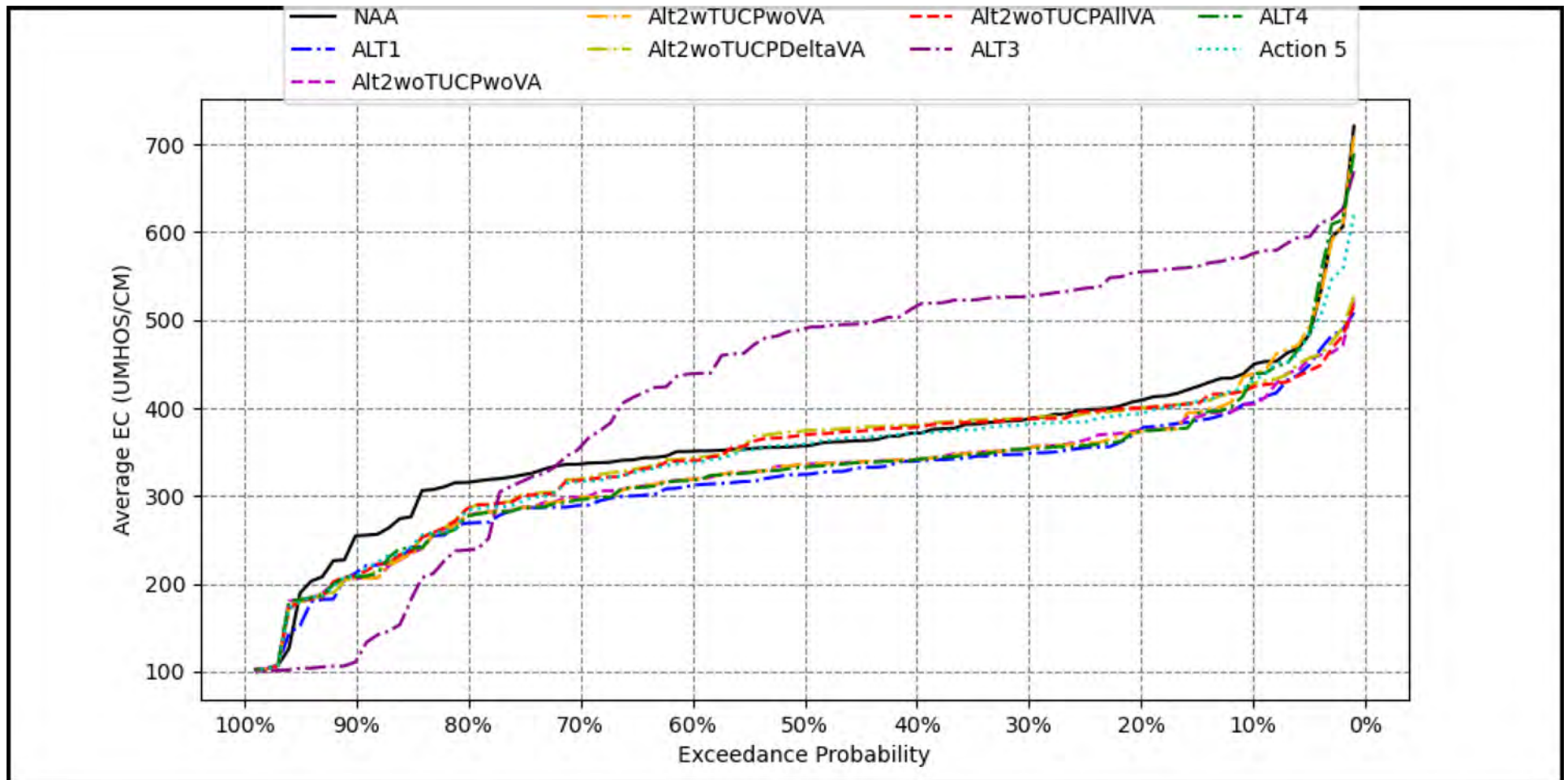
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-20-6 Old River at Highway 4, March EC



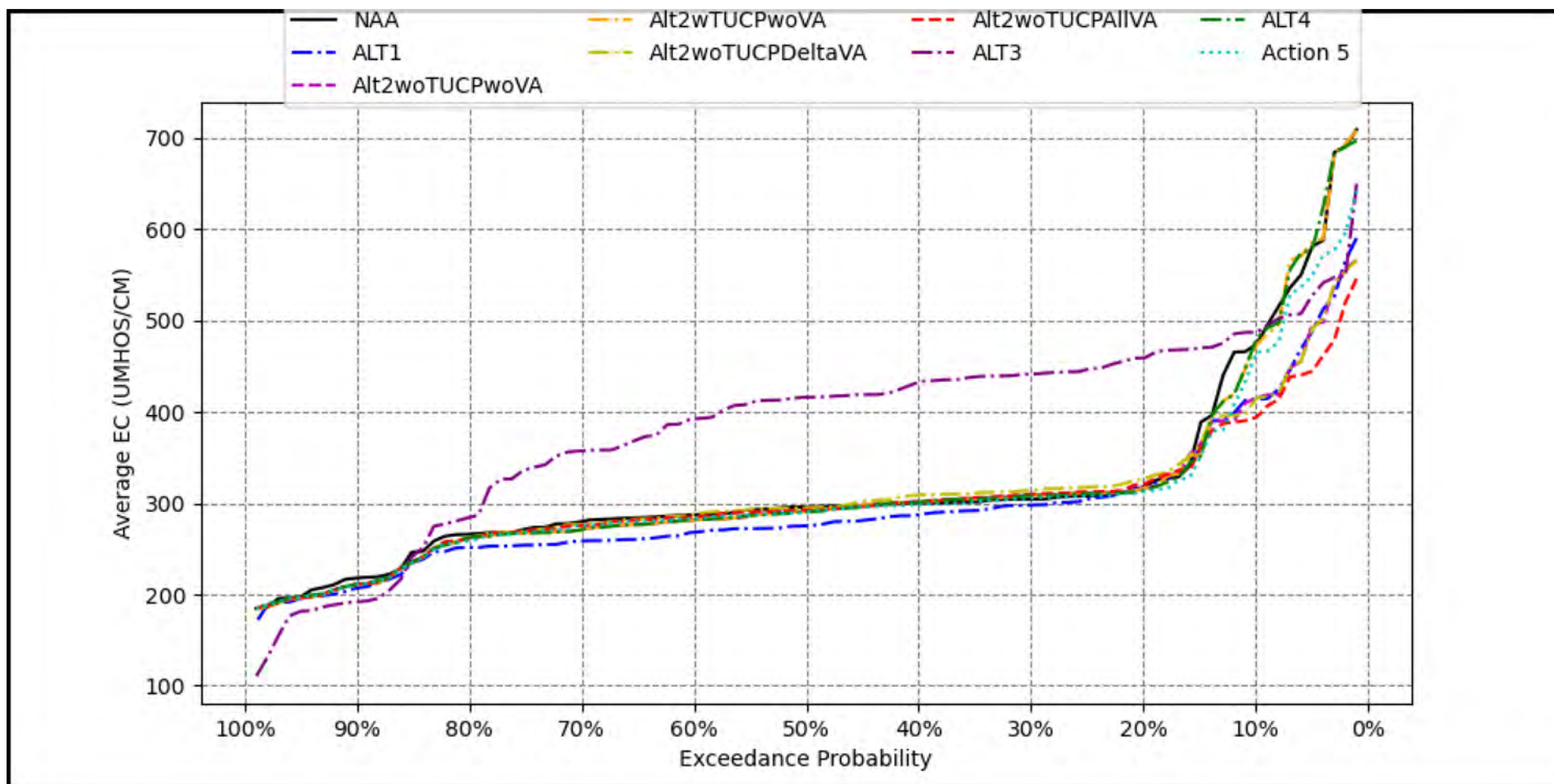
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-20-7 Old River at Highway 4, April EC



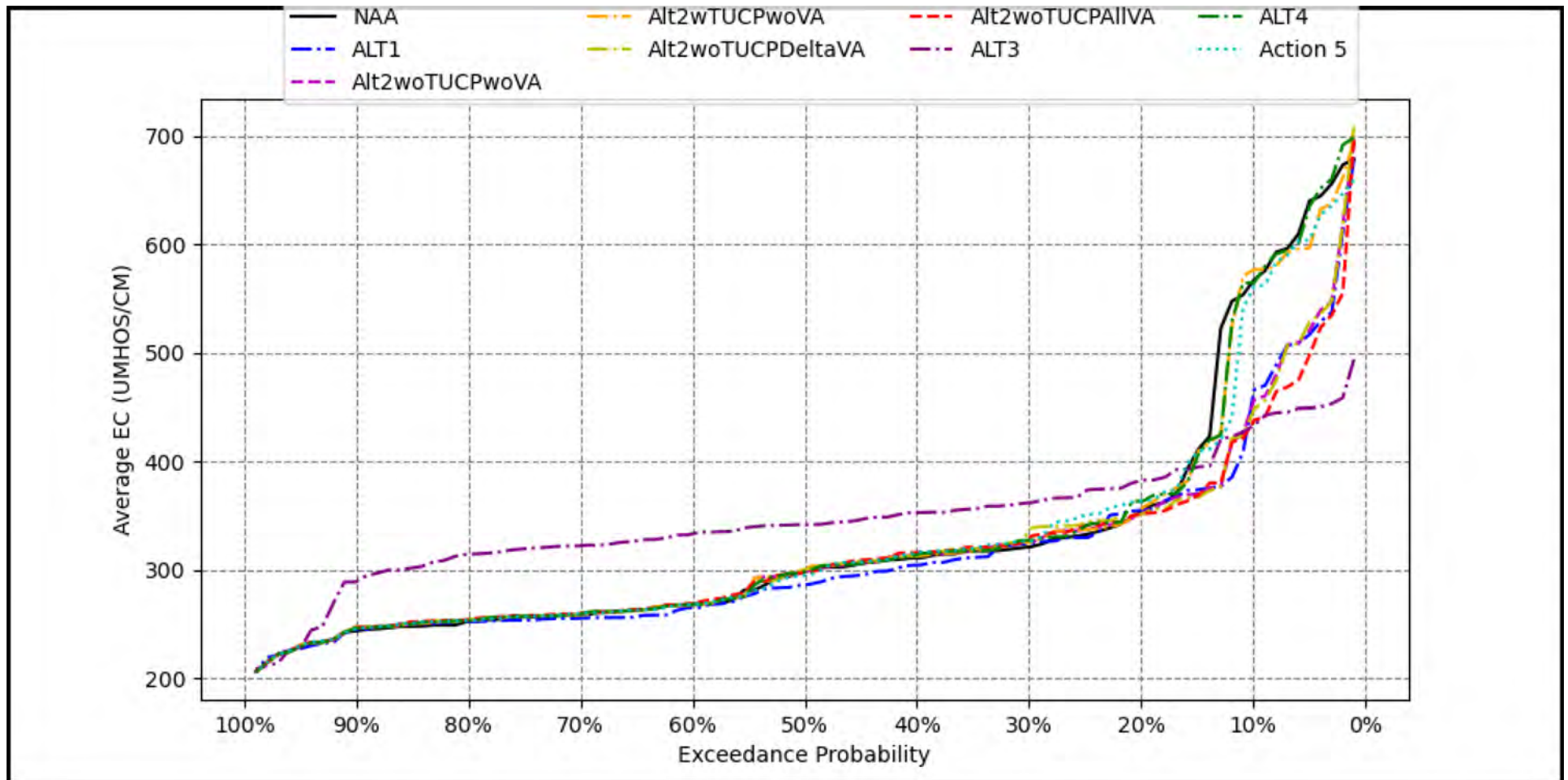
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-20-8 Old River at Highway 4, May EC



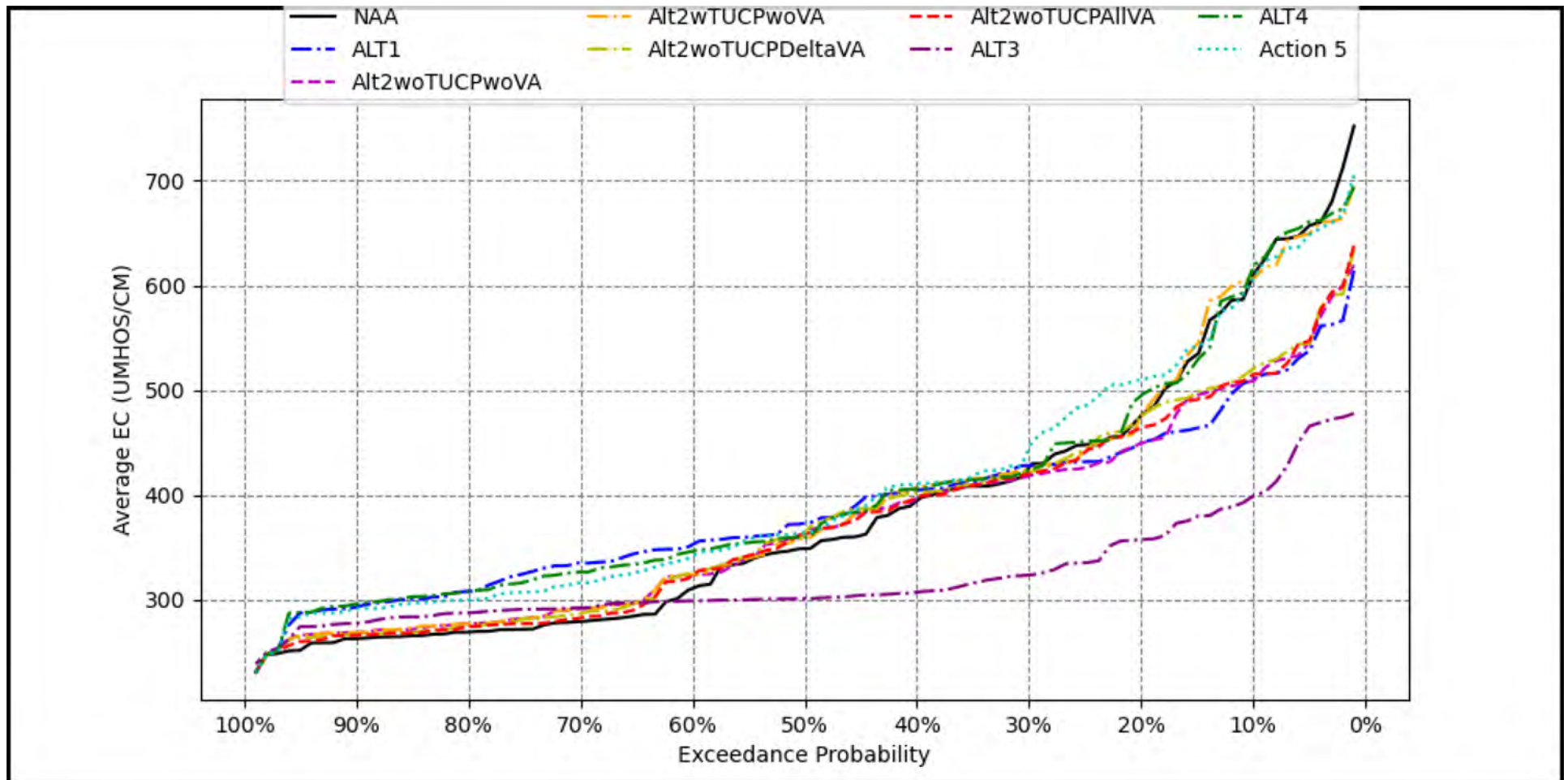
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-20-9 Old River at Highway 4, June EC



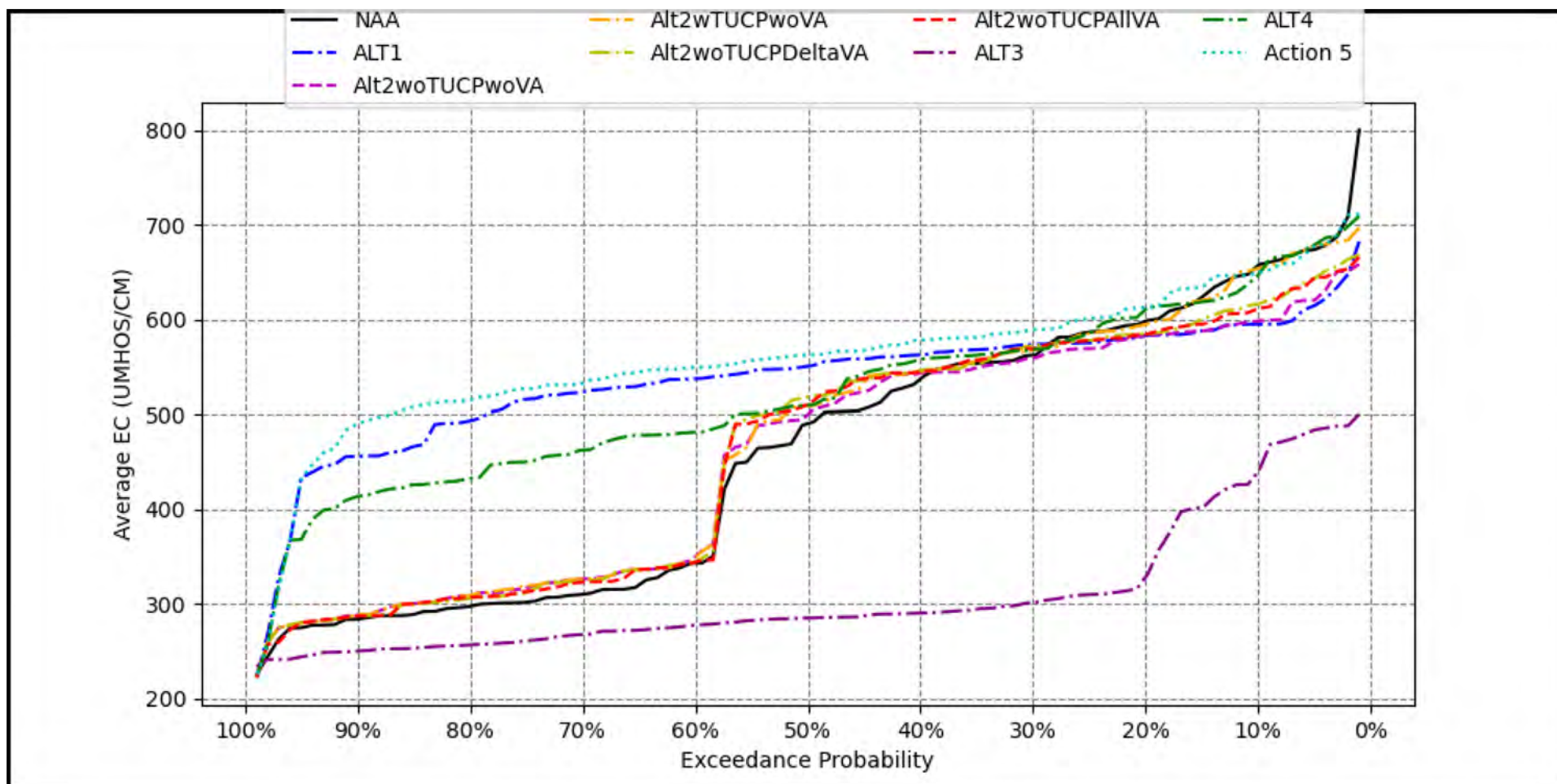
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-20-10 Old River at Highway 4, July EC



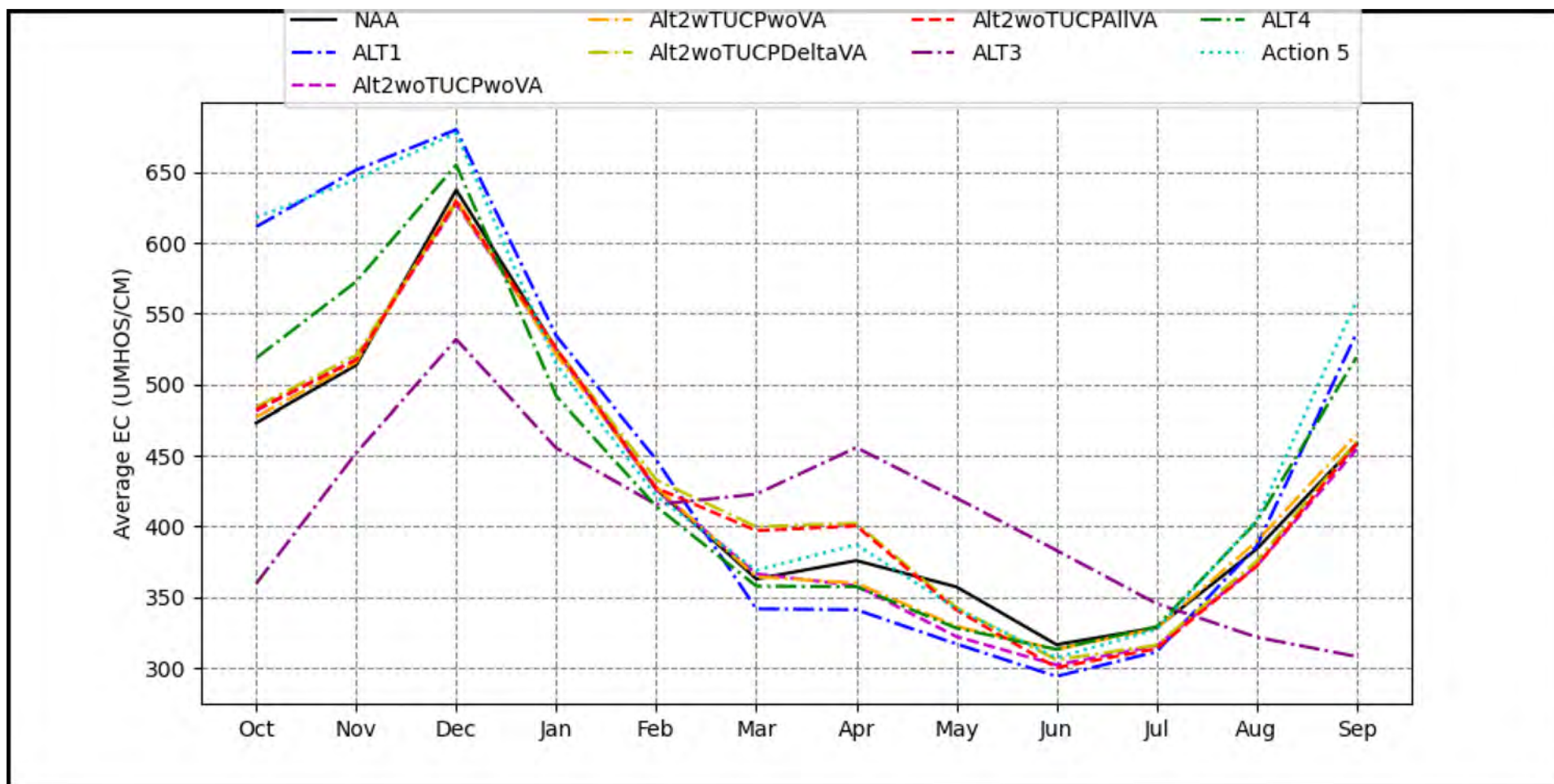
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-20-11 Old River at Highway 4, August EC



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

Figure F.2.5-20-12 Old River at Highway 4, September EC

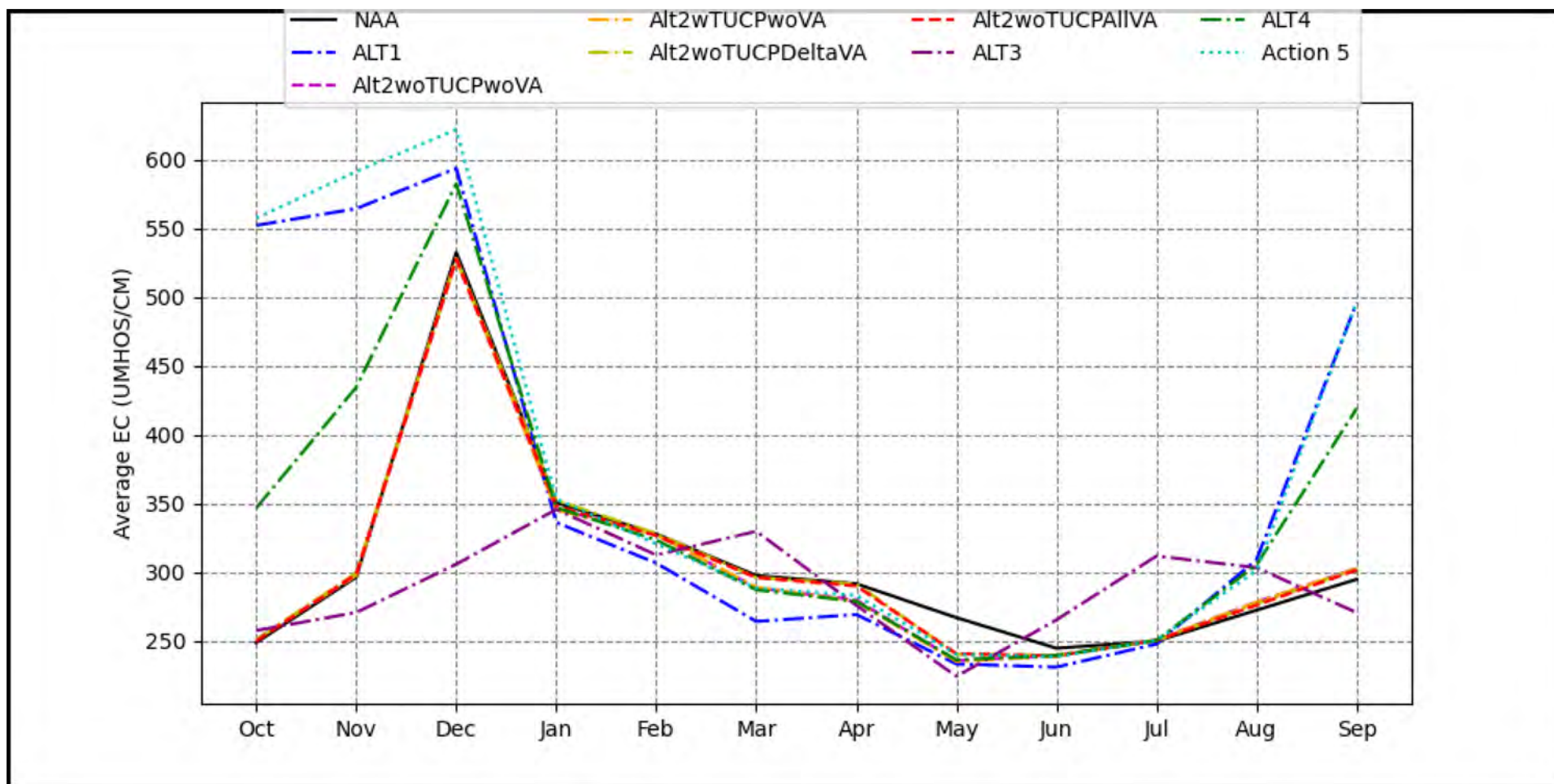


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-20-13 Old River at Highway 4, Long Term Average EC (UMHOS/CM)

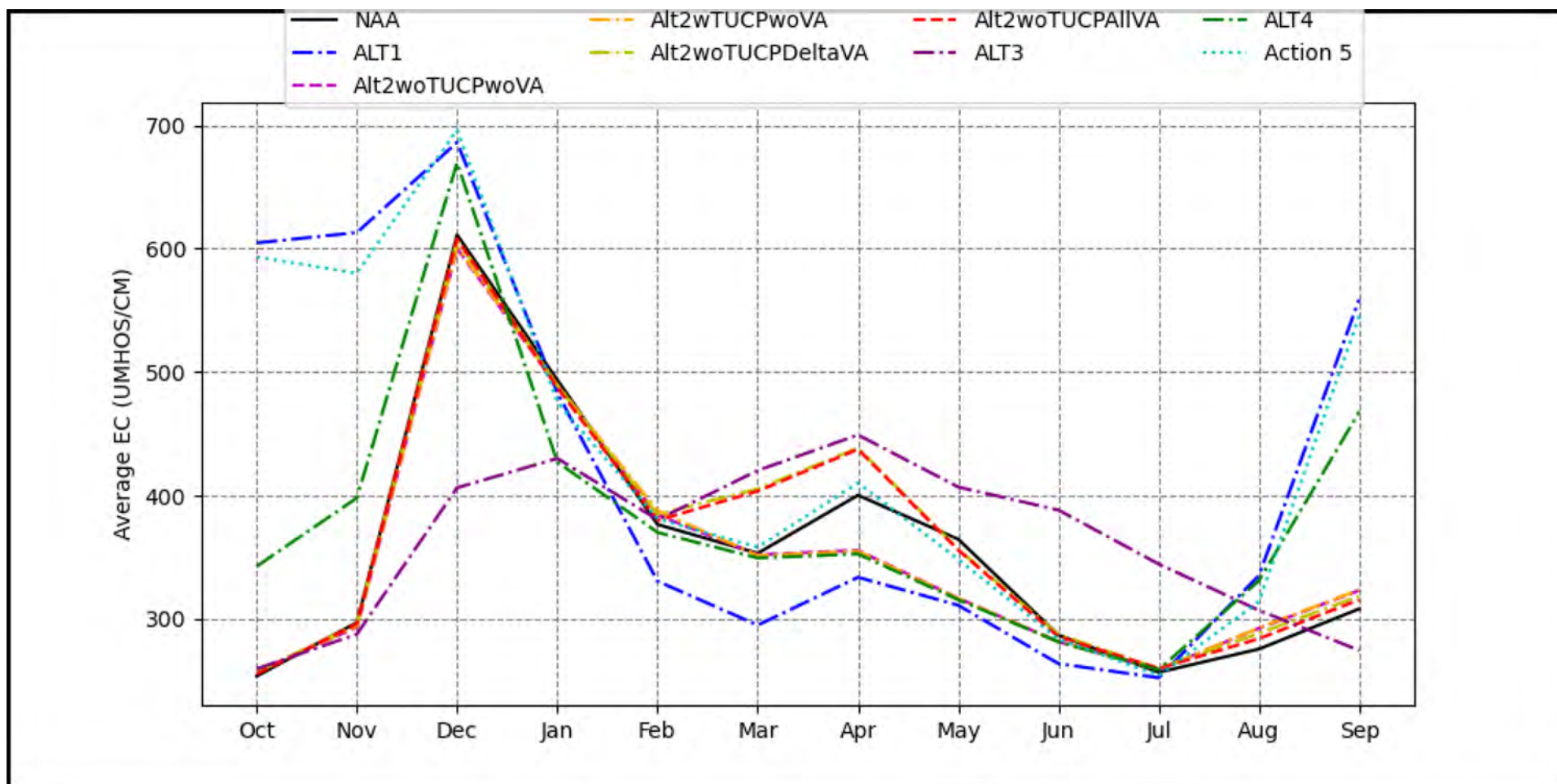


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-20-14 Old River at Highway 4, Wet Year Average EC (UMHOS/CM)

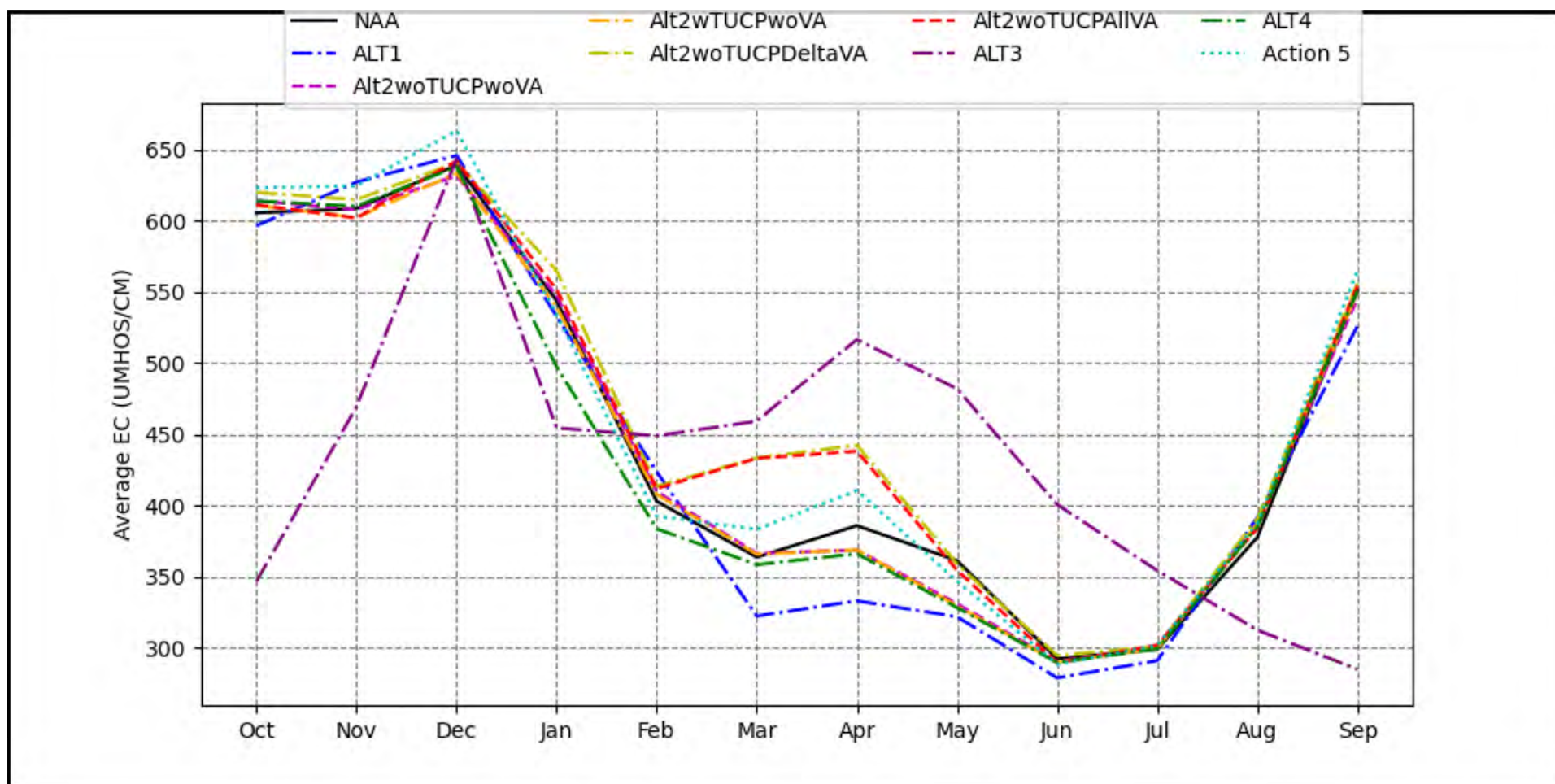


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-20-15 Old River at Highway 4, Above Normal Year Average EC (UMHOS/CM)

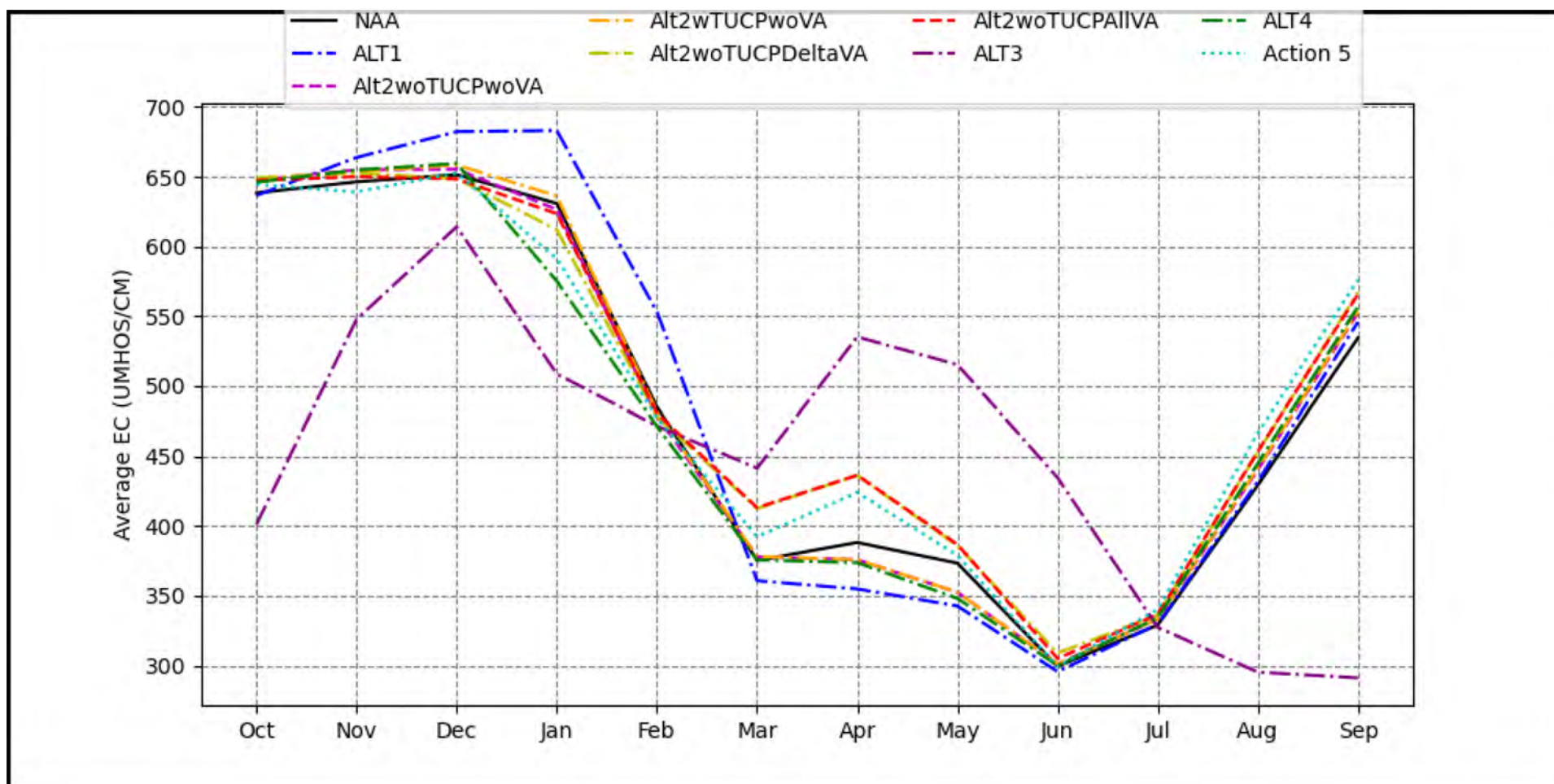


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-20-16 Old River at Highway 4, Below Normal Year Average EC (UMHOS/CM)

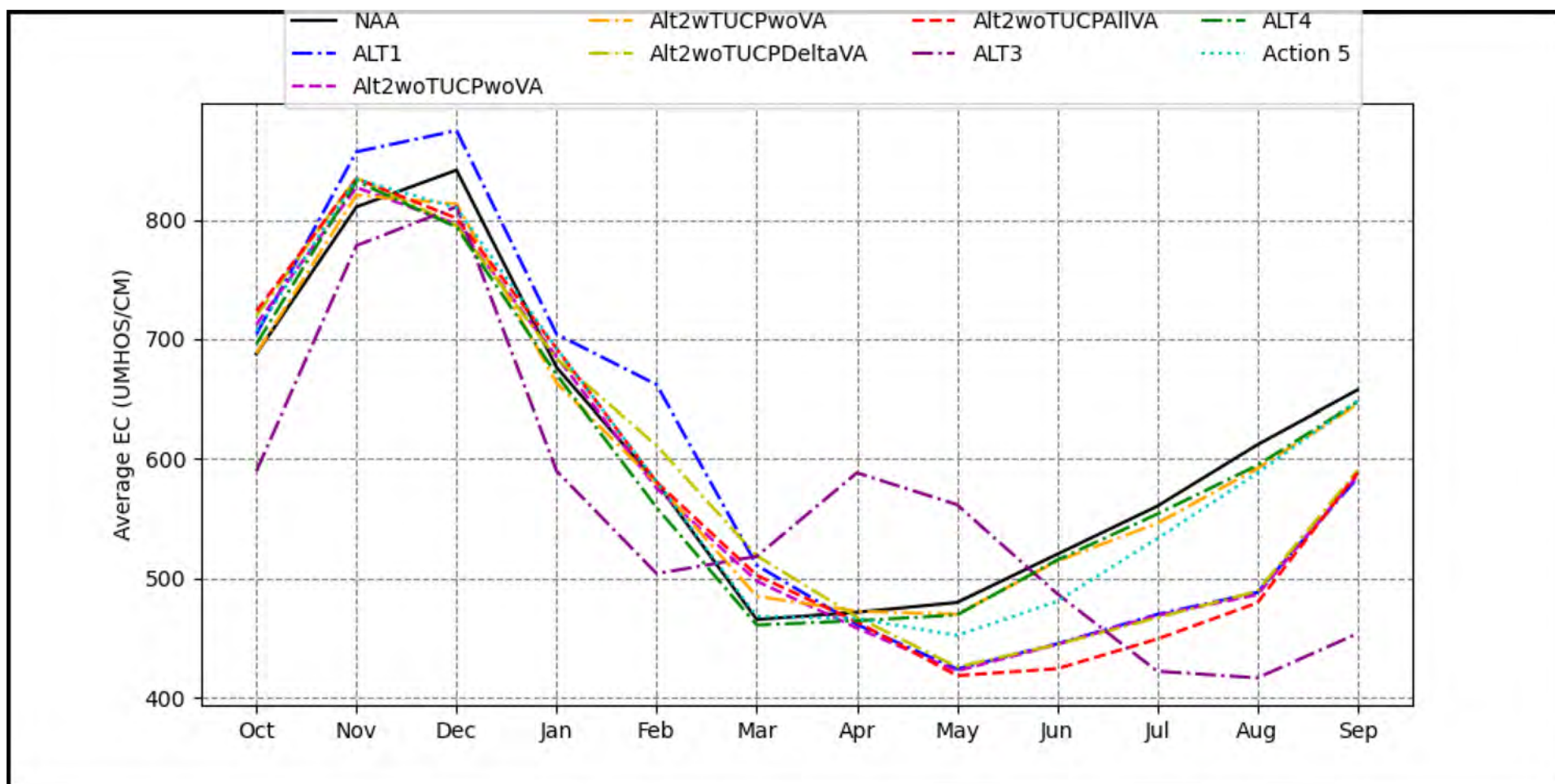


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-20-17 Old River at Highway 4, Dry Year Average EC (UMHOS/CM)



*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-20-18 Old River at Highway 4, Critical Year Average EC (UMHOS/CM)

F.2.5-21 Victoria Canal

Table F.2.5-21-1 a. Victoria Canal, NAA, Monthly EC (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 Years (27.7%)	296	298	415	413	386	355	313	264	267	273	264	278
Above Normal Years (13.9%)	303	298	470	527	478	453	458	400	326	265	246	276
Below Normal Years (17.8%)	427	438	524	524	485	467	461	402	326	271	281	358
Dry Years (23.8%)	460	495	549	559	532	469	463	418	329	283	325	370
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-21-1 b. Victoria Canal, ALT1, Monthly EC (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 Years (27.7%)	375	381	426	369	350	325	299	247	255	272	276	334
Above Normal Years (13.9%)	397	407	485	455	399	380	406	365	305	260	267	351
Below Normal Years (17.8%)	415	449	497	446	447	402	412	373	312	269	296	353
Dry Years (23.8%)	453	489	526	521	514	425	430	396	323	287	328	384
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-21-1 c. Victoria Canal, ALT1 Minus NAA, Monthly EC (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 Years (27.7%)	79	84	11	-44	-37	-30	-14	-17	-12	-1	12	56
Above Normal Years (13.9%)	95	110	15	-72	-79	-73	-51	-35	-21	-5	20	75
Below Normal Years (17.8%)	-12	12	-27	-78	-38	-65	-49	-29	-15	-2	15	-4
Dry Years (23.8%)	-6	-6	-23	-38	-18	-44	-34	-22	-6	4	3	15
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-21-2 a. Victoria Canal, NAA, Monthly EC (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 Years (27.7%)	296	298	415	413	386	355	313	264	267	273	264	278
Above Normal Years (13.9%)	303	298	470	527	478	453	458	400	326	265	246	276
Below Normal Years (17.8%)	427	438	524	524	485	467	461	402	326	271	281	358
Dry Years (23.8%)	460	495	549	559	532	469	463	418	329	283	325	370
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-21-2 b. Victoria Canal, Alt2woTUCPwoVA, Monthly EC (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 Years (27.7%)	296	298	412	410	384	345	305	246	263	274	266	280
Above Normal Years (13.9%)	304	297	464	526	489	453	429	368	321	265	252	282
Below Normal Years (17.8%)	432	441	521	527	492	471	450	380	322	272	287	357
Dry Years (23.8%)	465	500	553	565	538	476	456	403	328	289	333	380
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-21-2 c. Victoria Canal, Alt2woTUCPwoVA Minus NAA, Monthly EC (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 Years (27.7%)	1	1	-2	-3	-3	-9	-8	-18	-4	1	2	3
Above Normal Years (13.9%)	2	-1	-6	-1	10	1	-29	-32	-5	0	6	6
Below Normal Years (17.8%)	6	3	-3	3	7	4	-11	-23	-4	1	6	-1
Dry Years (23.8%)	6	6	4	6	6	7	-8	-15	-1	6	7	10
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-21-3 a. Victoria Canal, NAA, Monthly EC (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 Years (27.7%)	296	298	415	413	386	355	313	264	267	273	264	278
Above Normal Years (13.9%)	303	298	470	527	478	453	458	400	326	265	246	276
Below Normal Years (17.8%)	427	438	524	524	485	467	461	402	326	271	281	358
Dry Years (23.8%)	460	495	549	559	532	469	463	418	329	283	325	370
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-21-3 b. Victoria Canal, Alt2wTUCPwoVA, Monthly EC (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 Years (27.7%)	296	298	412	410	384	346	305	246	263	274	266	280
Above Normal Years (13.9%)	303	297	465	527	487	452	428	367	321	265	252	281
Below Normal Years (17.8%)	429	436	521	522	490	470	450	378	321	271	285	356
Dry Years (23.8%)	466	500	553	569	540	476	456	403	328	289	333	381
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-21-3 c. Victoria Canal, Alt2wTUCPwoVA Minus NAA, Monthly EC (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 Years (27.7%)	1	1	-2	-3	-3	-8	-8	-18	-4	1	2	2
Above Normal Years (13.9%)	0	-1	-5	0	9	0	-30	-32	-5	0	5	6
Below Normal Years (17.8%)	3	-2	-3	-2	5	3	-11	-24	-5	0	4	-1
Dry Years (23.8%)	6	5	4	11	8	7	-8	-15	-1	6	7	11
Critical Years (15.8%)	-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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-21-4 a. Victoria Canal, NAA, Monthly EC (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 Years (27.7%)	296	298	415	413	386	355	313	264	267	273	264	278
Above Normal Years (13.9%)	303	298	470	527	478	453	458	400	326	265	246	276
Below Normal Years (17.8%)	427	438	524	524	485	467	461	402	326	271	281	358
Dry Years (23.8%)	460	495	549	559	532	469	463	418	329	283	325	370
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-21-4 b. Victoria Canal, Alt2woTUCPDeltaVA, Monthly EC (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 Years (27.7%)	296	298	414	414	384	354	312	251	263	274	266	279
Above Normal Years (13.9%)	303	297	468	526	489	498	472	396	326	266	251	278
Below Normal Years (17.8%)	432	441	524	535	495	534	507	403	326	272	286	360
Dry Years (23.8%)	467	500	548	554	536	513	507	431	338	288	331	384
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-21-4 c. Victoria Canal, Alt2woTUCPDeltaVA Minus NAA, Monthly EC (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 Years (27.7%)	0	0	-1	1	-2	0	-1	-13	-4	1	2	1
Above Normal Years (13.9%)	0	-1	-2	-1	11	45	14	-4	0	1	4	2
Below Normal Years (17.8%)	6	3	0	11	10	67	46	0	0	1	5	2
Dry Years (23.8%)	7	5	-1	-5	4	44	44	13	8	5	6	14
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-21-5 a. Victoria Canal, NAA, Monthly EC (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 Years (27.7%)	296	298	415	413	386	355	313	264	267	273	264	278
Above Normal Years (13.9%)	303	298	470	527	478	453	458	400	326	265	246	276
Below Normal Years (17.8%)	427	438	524	524	485	467	461	402	326	271	281	358
Dry Years (23.8%)	460	495	549	559	532	469	463	418	329	283	325	370
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-21-5 b. Victoria Canal, Alt2woTUCPAIIVA, Monthly EC (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 Years (27.7%)	295	297	414	412	385	354	311	250	263	275	266	280
Above Normal Years (13.9%)	302	295	469	525	489	496	471	396	325	269	251	278
Below Normal Years (17.8%)	431	436	525	529	494	534	503	400	323	275	285	359
Dry Years (23.8%)	466	497	545	560	539	514	508	432	336	290	334	384
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-21-5 c. Victoria Canal, Alt2woTUCPAIIVA Minus NAA, Monthly EC (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 Years (27.7%)	-1	-1	-1	0	-2	0	-2	-14	-5	2	2	2
Above Normal Years (13.9%)	0	-3	-1	-2	11	43	14	-4	-1	4	4	2
Below Normal Years (17.8%)	5	-1	0	5	9	67	42	-2	-4	4	4	1
Dry Years (23.8%)	7	3	-4	2	7	44	45	14	7	7	8	14
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-21-6 a. Victoria Canal, NAA, Monthly EC (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 Years (27.7%)	296	298	415	413	386	355	313	264	267	273	264	278
Above Normal Years (13.9%)	303	298	470	527	478	453	458	400	326	265	246	276
Below Normal Years (17.8%)	427	438	524	524	485	467	461	402	326	271	281	358
Dry Years (23.8%)	460	495	549	559	532	469	463	418	329	283	325	370
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-21-6 b. Victoria Canal, ALT3, Monthly EC (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 Years (27.7%)	320	326	350	427	372	346	287	228	284	329	334	312
Above Normal Years (13.9%)	321	353	451	525	486	499	495	423	404	356	323	301
Below Normal Years (17.8%)	328	384	579	505	555	557	580	507	411	356	314	283
Dry Years (23.8%)	340	432	556	545	568	532	577	532	436	338	290	278
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-21-6 c. Victoria Canal, ALT3 Minus NAA, Monthly EC (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 Years (27.7%)	24	28	-64	14	-15	-9	-26	-36	17	56	70	34
Above Normal Years (13.9%)	19	55	-19	-2	8	46	37	23	78	91	77	25
Below Normal Years (17.8%)	-99	-54	54	-19	70	90	119	105	85	86	33	-75
Dry Years (23.8%)	-119	-63	7	-14	36	63	113	114	107	55	-36	-92
Critical Years (15.8%)	-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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-21-7 a. Victoria Canal, NAA, Monthly EC (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 Years (27.7%)	296	298	415	413	386	355	313	264	267	273	264	278
Above Normal Years (13.9%)	303	298	470	527	478	453	458	400	326	265	246	276
Below Normal Years (17.8%)	427	438	524	524	485	467	461	402	326	271	281	358
Dry Years (23.8%)	460	495	549	559	532	469	463	418	329	283	325	370
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-21-7 b. Victoria Canal, ALT4, Monthly EC (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 Years (27.7%)	315	337	459	415	380	346	303	246	263	273	271	317
Above Normal Years (13.9%)	326	326	519	497	466	447	425	366	321	265	261	334
Below Normal Years (17.8%)	429	439	529	504	470	463	448	377	321	270	284	358
Dry Years (23.8%)	465	500	562	528	517	469	453	399	327	287	332	381
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-21-7 c. Victoria Canal, ALT4 Minus NAA, Monthly EC (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 Years (27.7%)	19	39	44	2	-6	-9	-9	-18	-4	0	8	39
Above Normal Years (13.9%)	24	28	49	-30	-12	-6	-33	-33	-5	0	15	58
Below Normal Years (17.8%)	3	1	5	-20	-15	-4	-13	-25	-5	-1	3	1
Dry Years (23.8%)	5	5	13	-30	-15	0	-10	-19	-2	4	7	11
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-21-8 a. Victoria Canal, NAA, Monthly EC (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 Years (27.7%)	296	298	415	413	386	355	313	264	267	273	264	278
Above Normal Years (13.9%)	303	298	470	527	478	453	458	400	326	265	246	276
Below Normal Years (17.8%)	427	438	524	524	485	467	461	402	326	271	281	358
Dry Years (23.8%)	460	495	549	559	532	469	463	418	329	283	325	370
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-21-8 b. Victoria Canal, Action 5, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	529	628	664	665	638	562	553	456	414	450	434	441
20% Exceedance	495	529	625	629	573	520	526	441	341	304	347	402
30% Exceedance	449	482	603	604	539	501	511	430	338	294	330	387
40% Exceedance	436	451	581	567	491	477	484	422	333	286	299	374
50% Exceedance	430	425	550	507	473	468	470	414	329	280	287	365
60% Exceedance	415	414	527	463	443	451	439	384	323	273	282	353
70% Exceedance	397	404	502	427	400	418	398	346	313	267	274	344
80% Exceedance	385	392	462	379	358	374	352	316	288	263	264	336
90% Exceedance	360	363	357	322	316	309	274	198	239	257	251	328
Full Simulation Period Average^a	433	461	534	508	478	451	438	372	328	305	319	378
Wet Years (27.7%)	380	397	468	411	376	343	308	251	262	275	271	333
Above Normal Years (13.9%)	397	393	532	515	469	456	454	390	324	267	256	346
Below Normal Years (17.8%)	426	436	534	517	474	488	484	394	322	273	284	363
Dry Years (23.8%)	462	485	544	536	528	490	496	426	331	287	334	384
Critical Years (15.8%)	529	637	636	619	594	536	512	464	449	457	476	489

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.5-21-8 c. Victoria Canal, Action 5 Minus NAA, Monthly EC (UMHOS/CM)

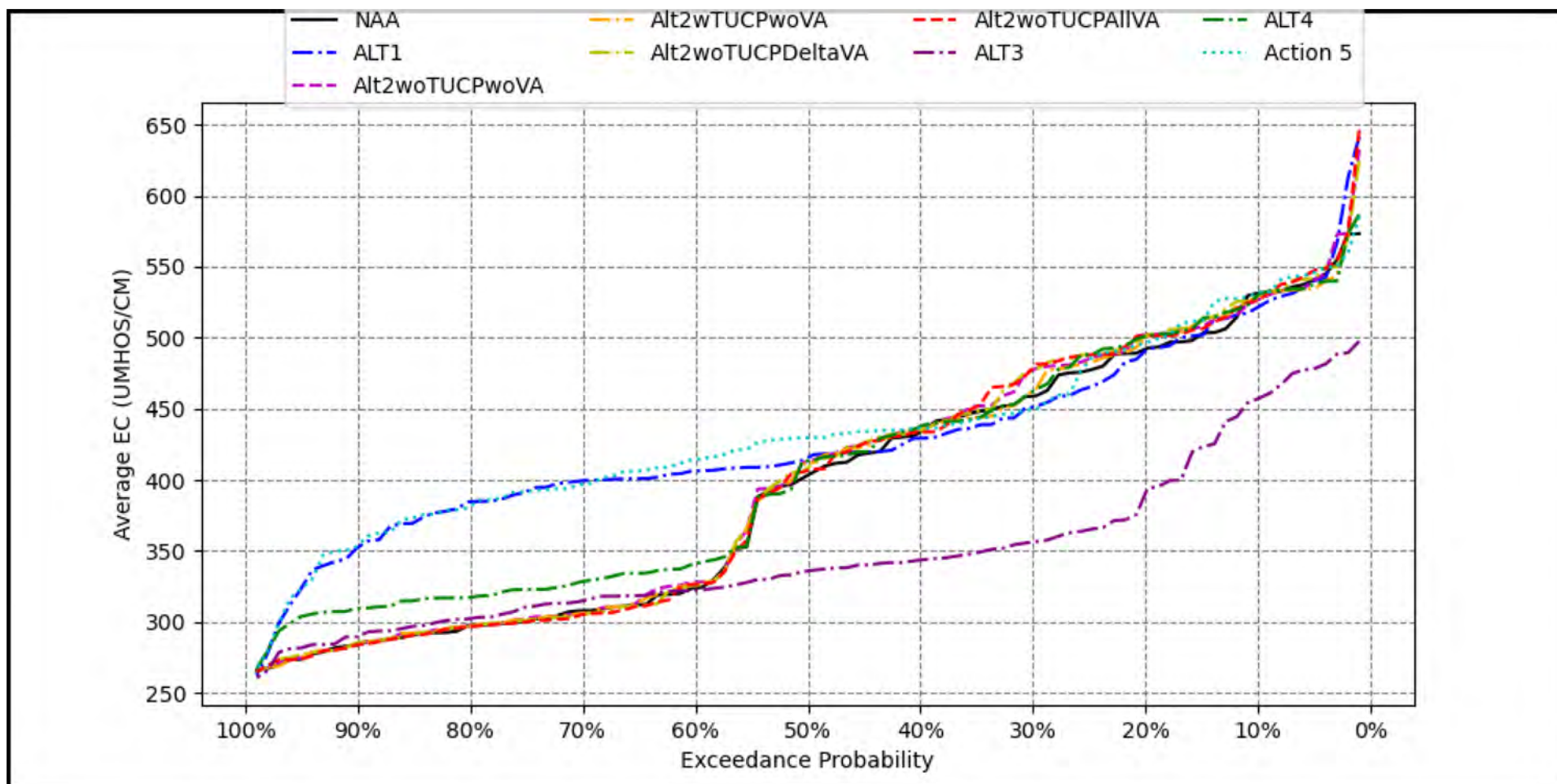
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1	-8	0	-22	-10	14	15	-15	-23	-24	-30	-52
20% Exceedance	5	-30	-19	-25	-17	15	17	-6	-11	-4	15	16
30% Exceedance	-10	-9	15	-16	-5	22	34	-1	-3	3	9	10
40% Exceedance	4	3	33	-10	-8	13	20	7	-2	1	-4	16
50% Exceedance	27	27	33	-7	-9	15	31	11	-1	2	1	19
60% Exceedance	91	92	44	-6	-15	12	10	-4	2	4	6	50
70% Exceedance	89	105	51	3	-7	0	-10	-20	-3	3	8	59
80% Exceedance	87	104	44	-3	-14	-14	-25	-15	-5	2	8	58
90% Exceedance	74	83	26	-3	-6	-4	11	-8	-6	3	10	63
Full Simulation Period Average^a	39	42	22	-7	-7	7	10	-7	-6	-1	4	28
Wet Years (27.7%)	85	100	54	-2	-10	-12	-5	-13	-5	2	7	55
Above Normal Years (13.9%)	95	96	62	-12	-9	4	-4	-9	-2	2	10	70
Below Normal Years (17.8%)	-1	-2	10	-7	-11	21	23	-8	-4	3	3	6
Dry Years (23.8%)	3	-10	-5	-22	-4	21	32	8	2	4	9	14
Critical Years (15.8%)	3	10	-26	13	1	6	0	-17	-25	-17	-14	-9

^a Based on the 100-year simulation period.

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

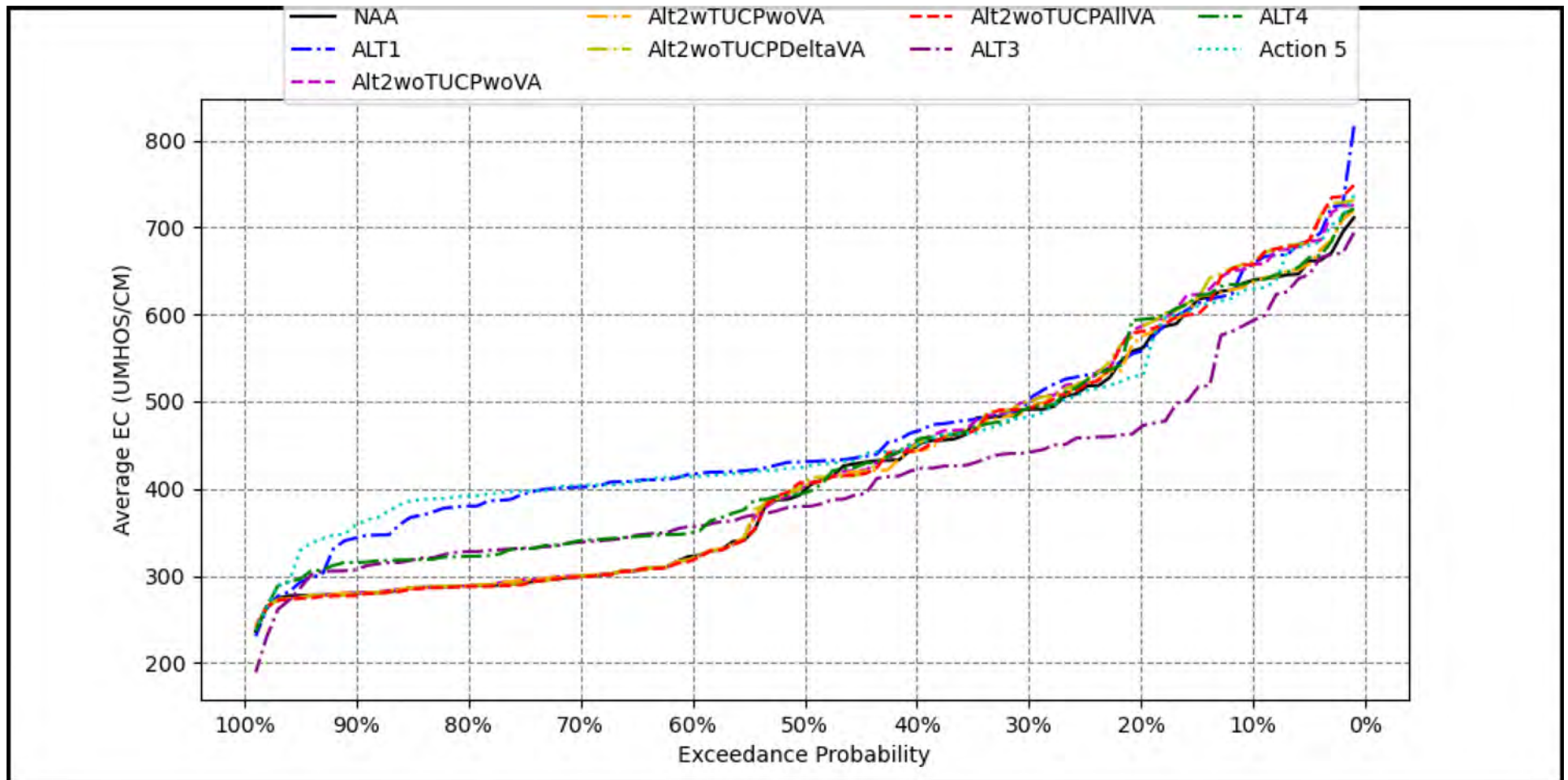
* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.



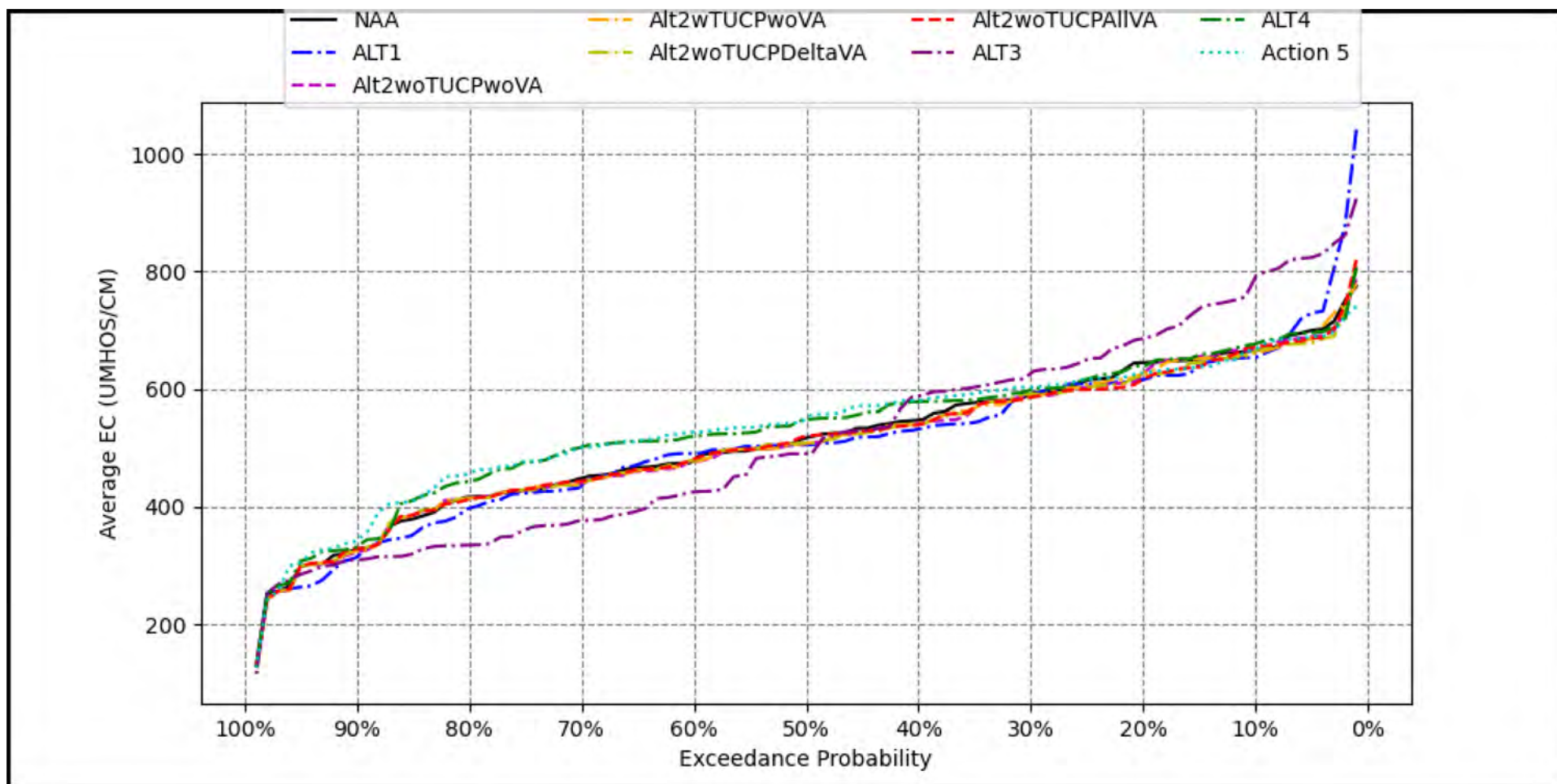
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-21-1 Victoria Canal, October EC



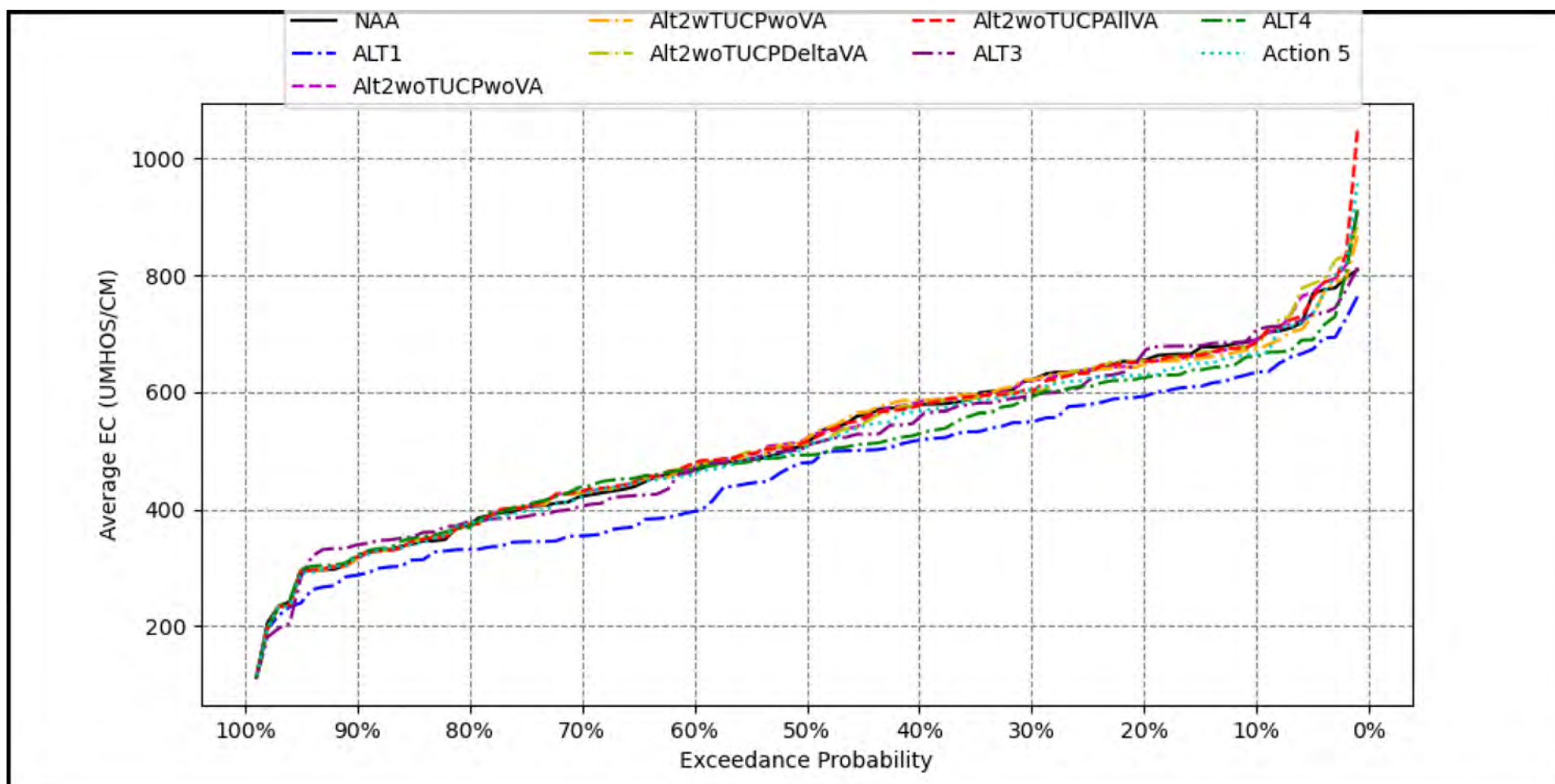
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-21-2 Victoria Canal, November EC



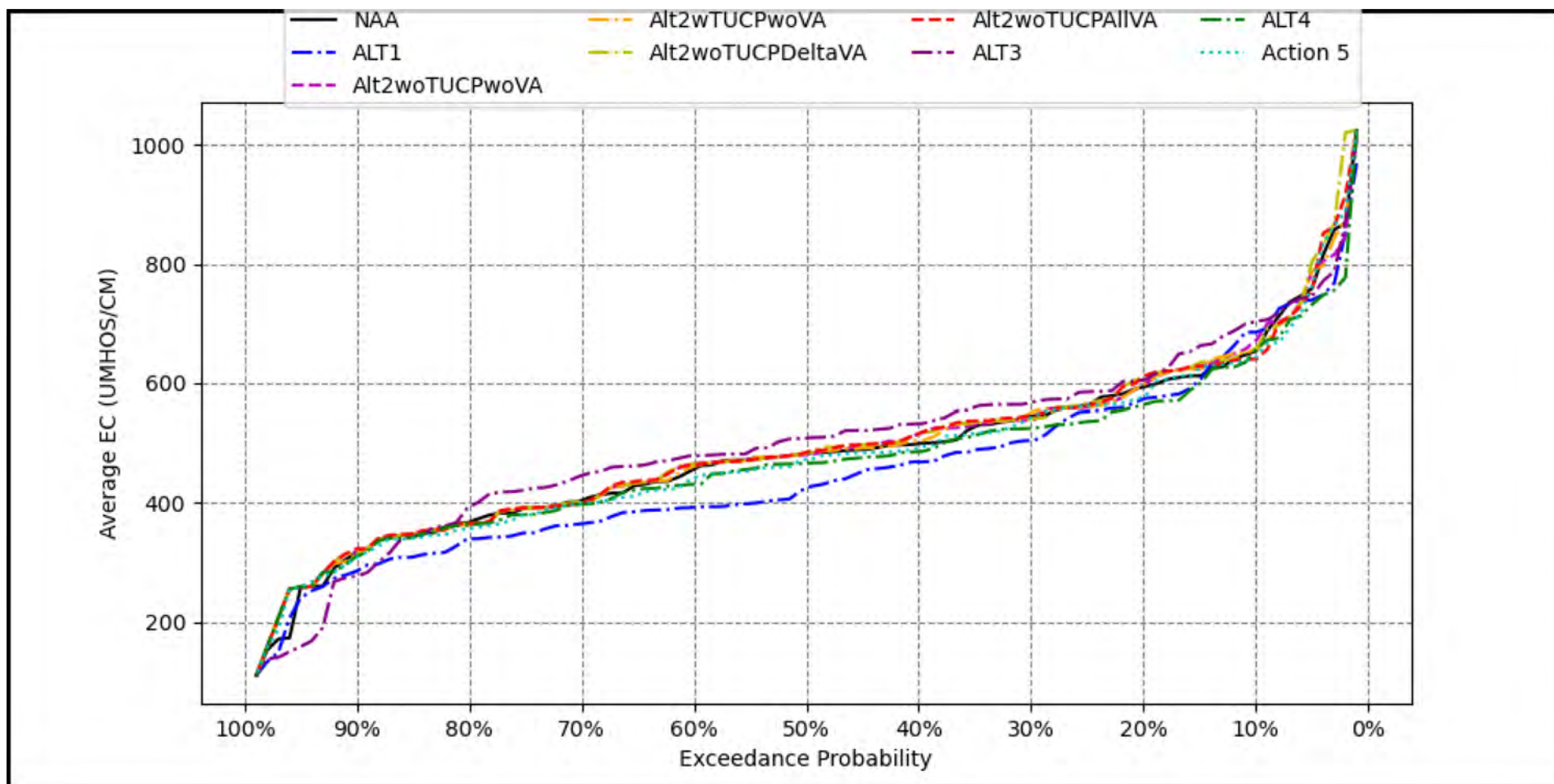
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-21-3 Victoria Canal, December EC



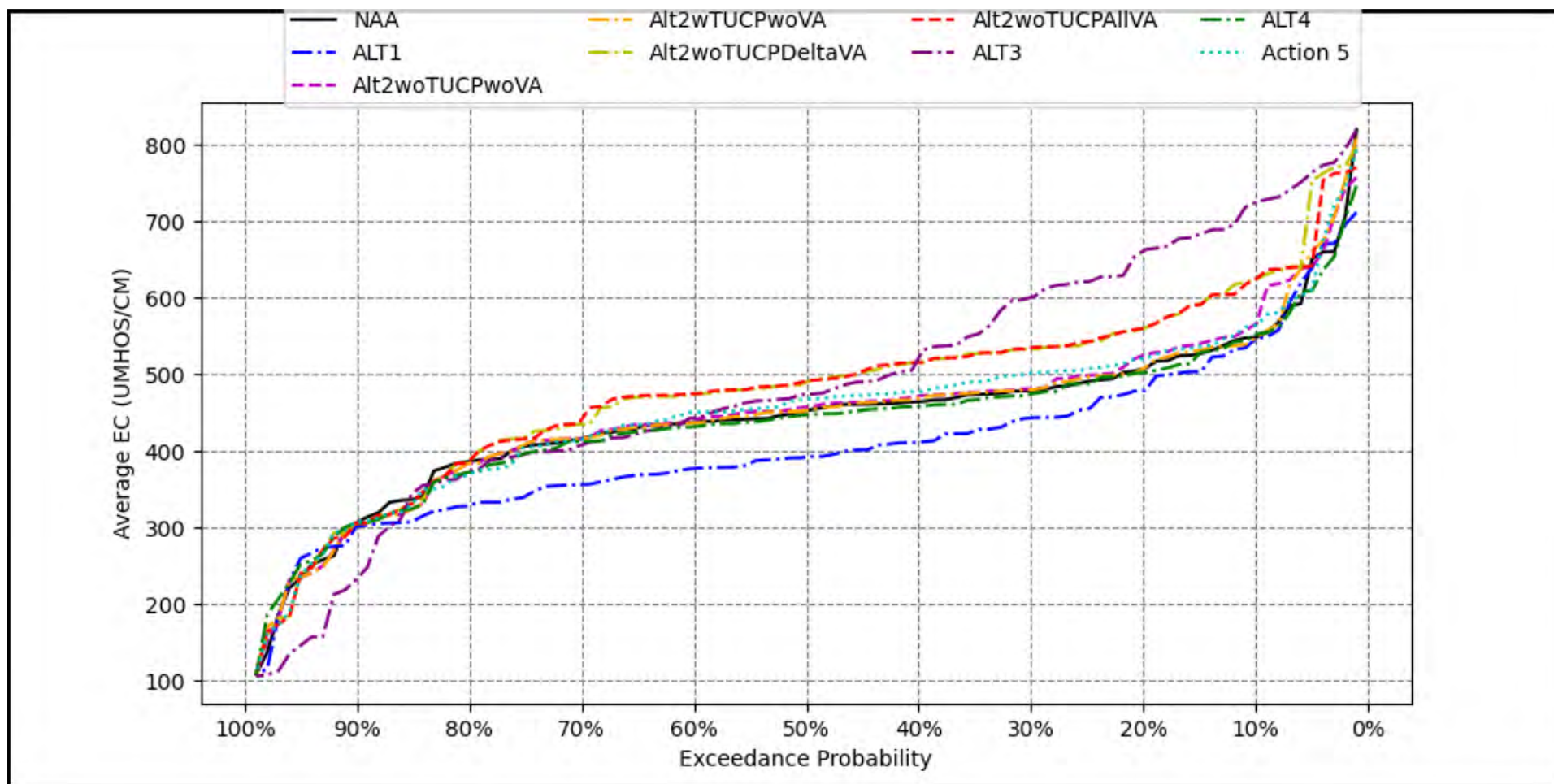
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-21-4 Victoria Canal, January EC



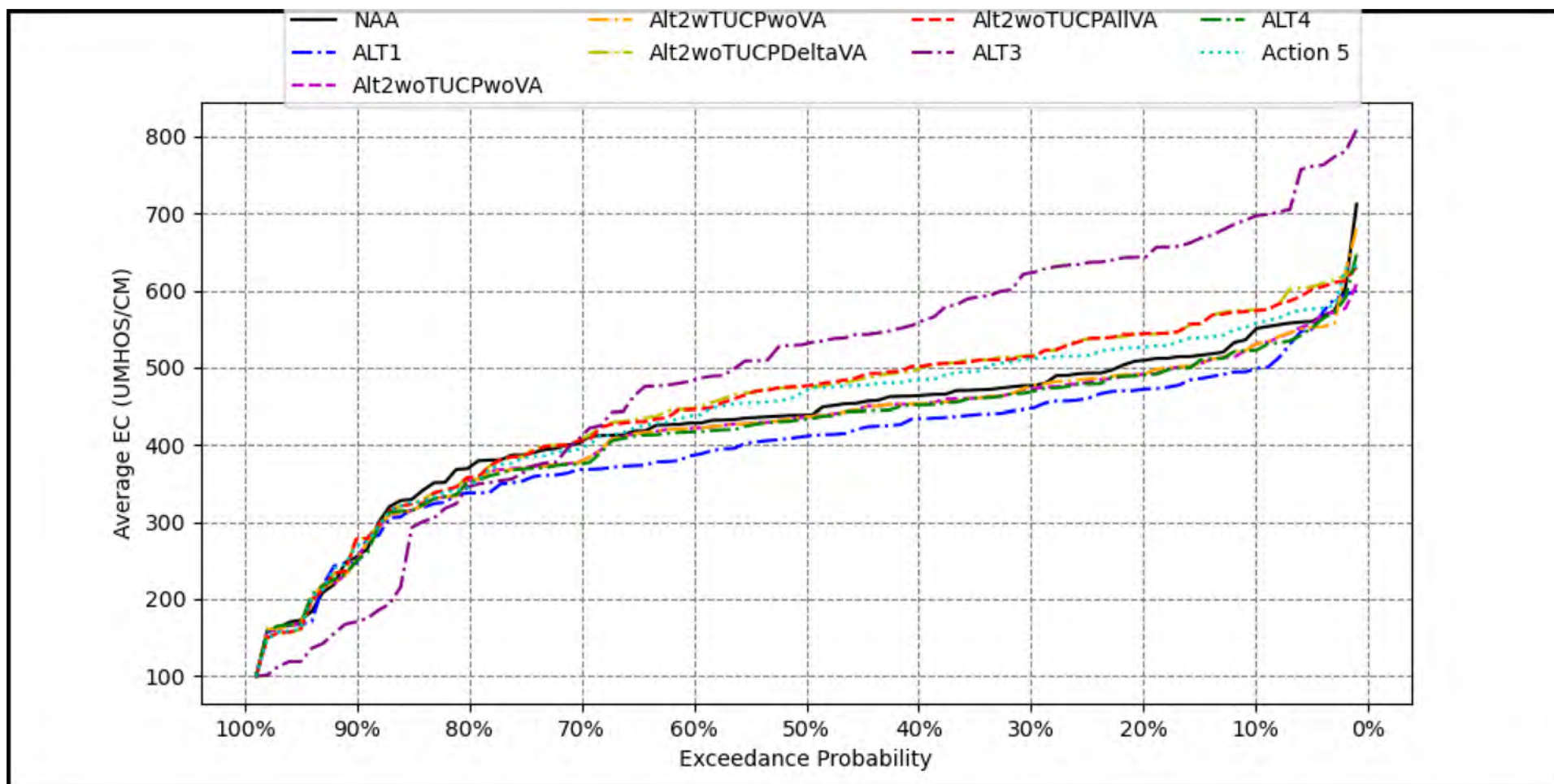
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-21-5 Victoria Canal, February EC



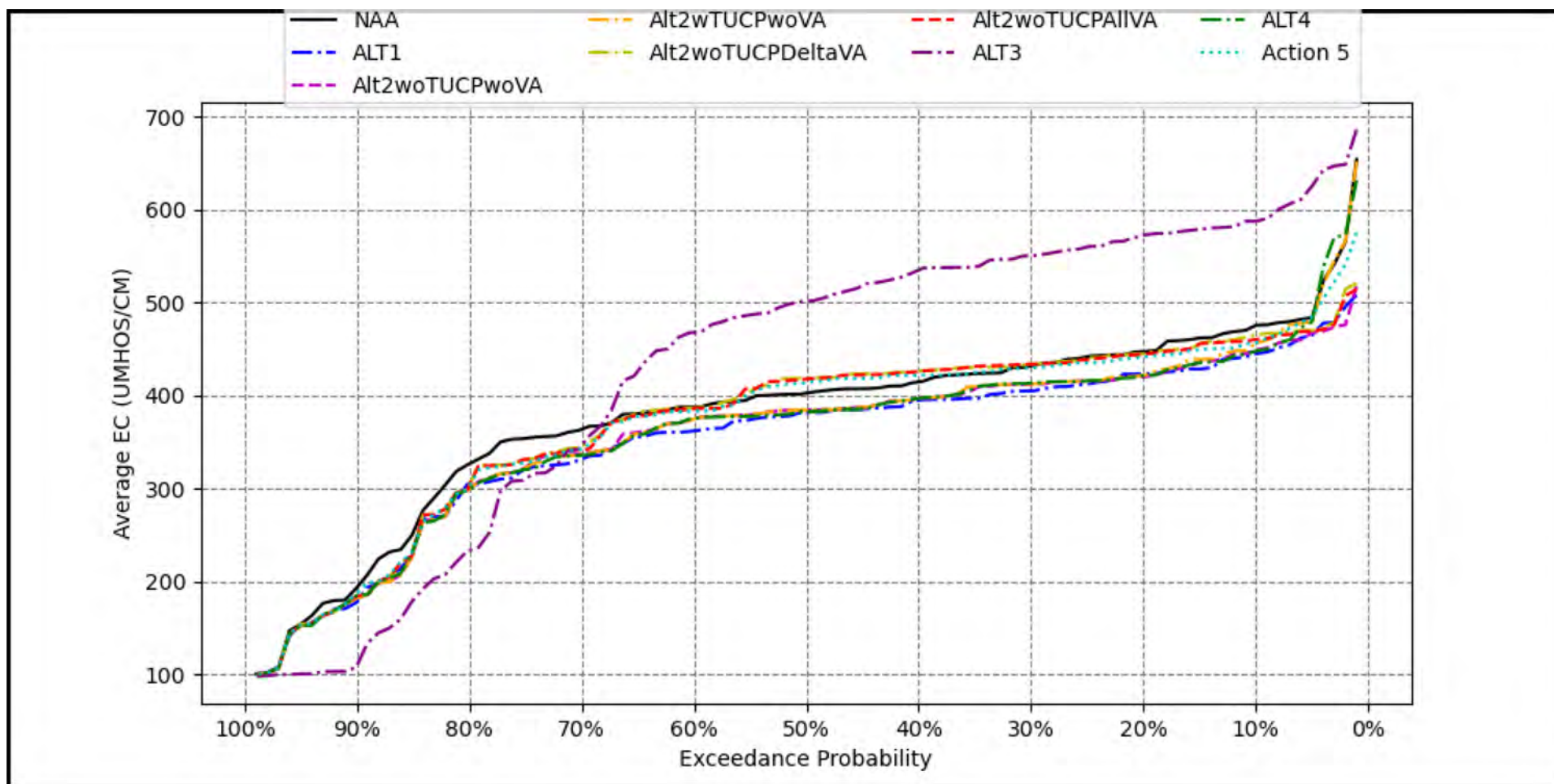
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-21-6 Victoria Canal, March EC



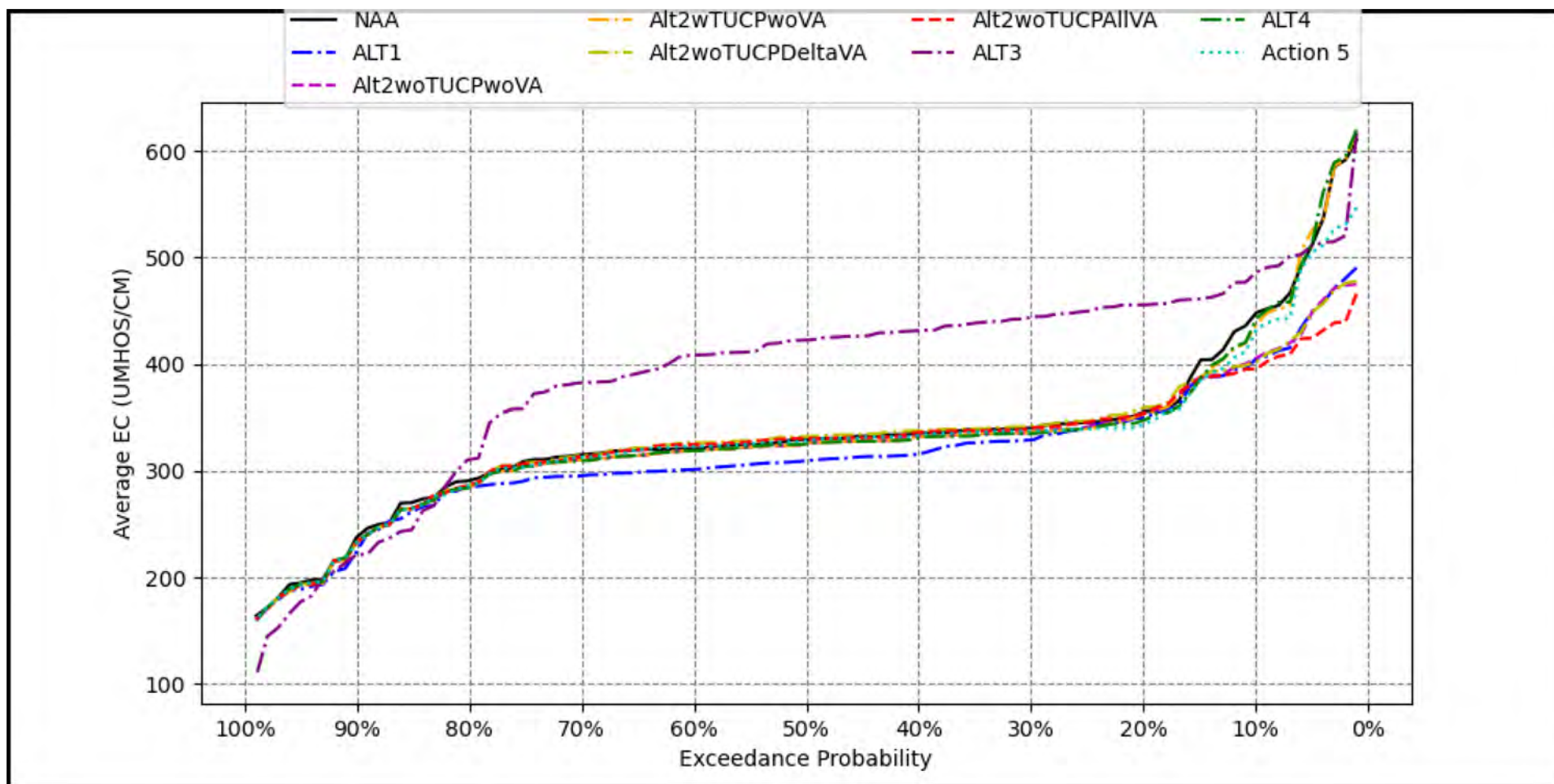
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-21-7 Victoria Canal, April EC



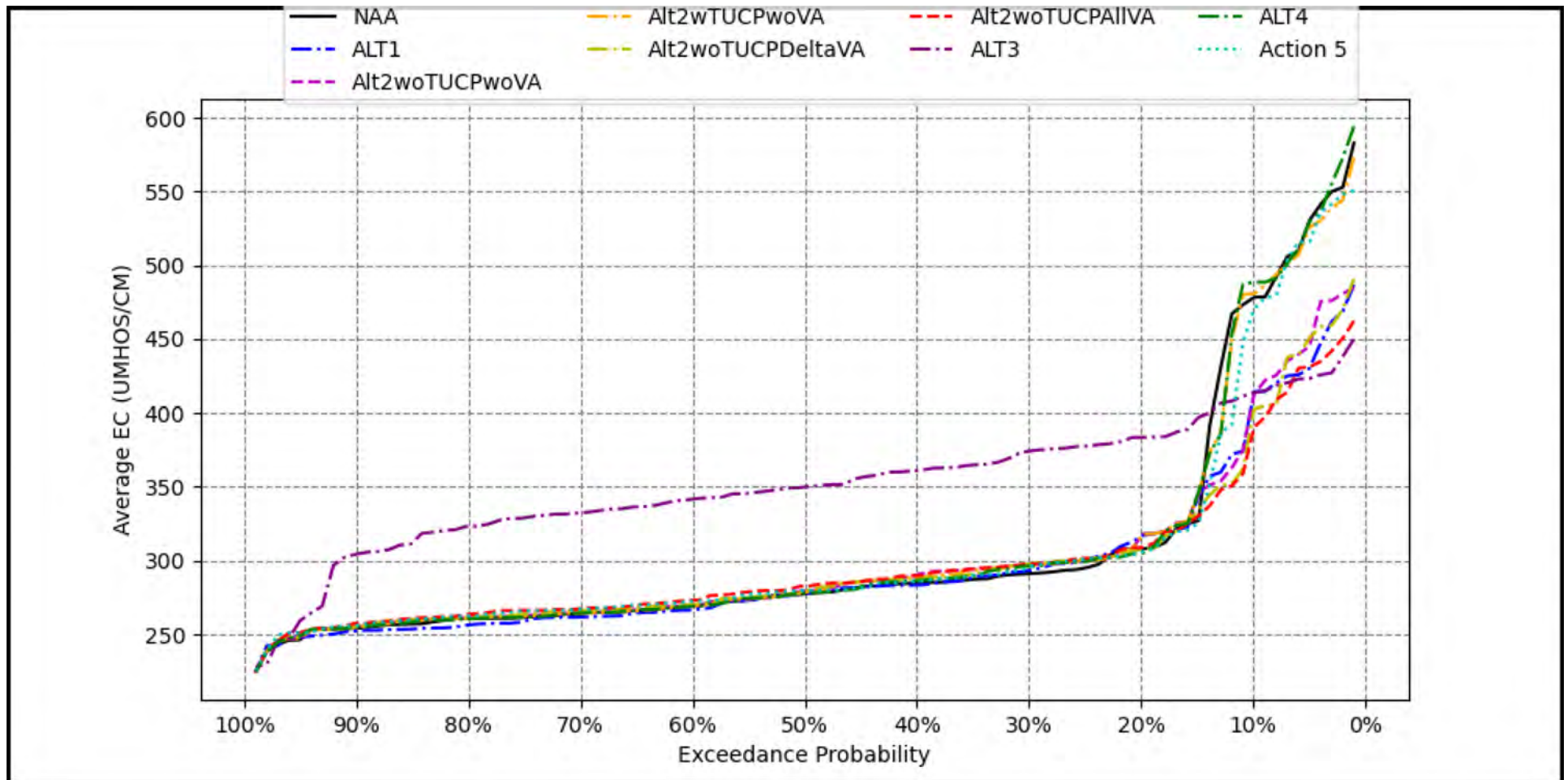
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-21-8 Victoria Canal, May EC



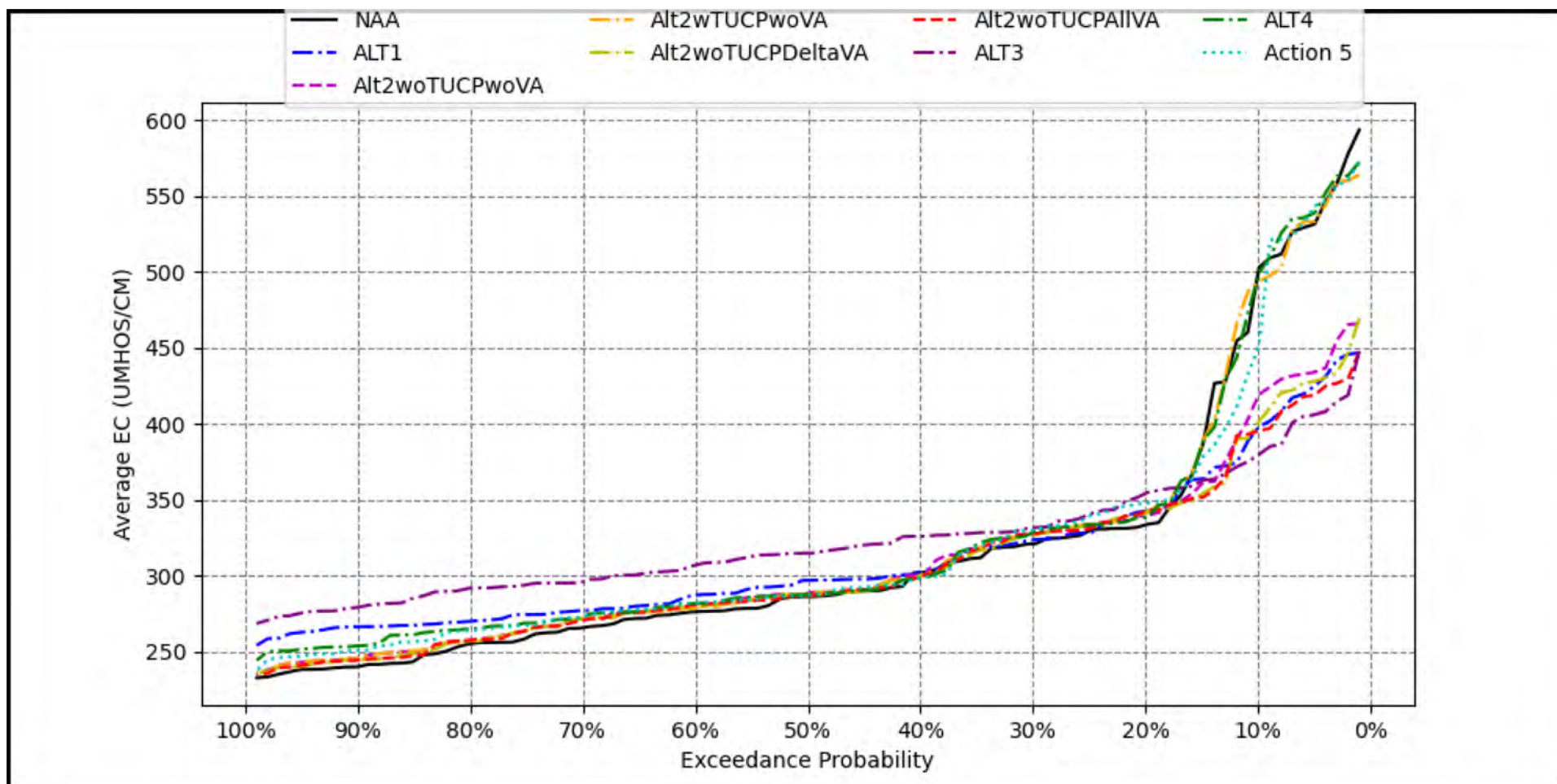
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-21-9 Victoria Canal, June EC



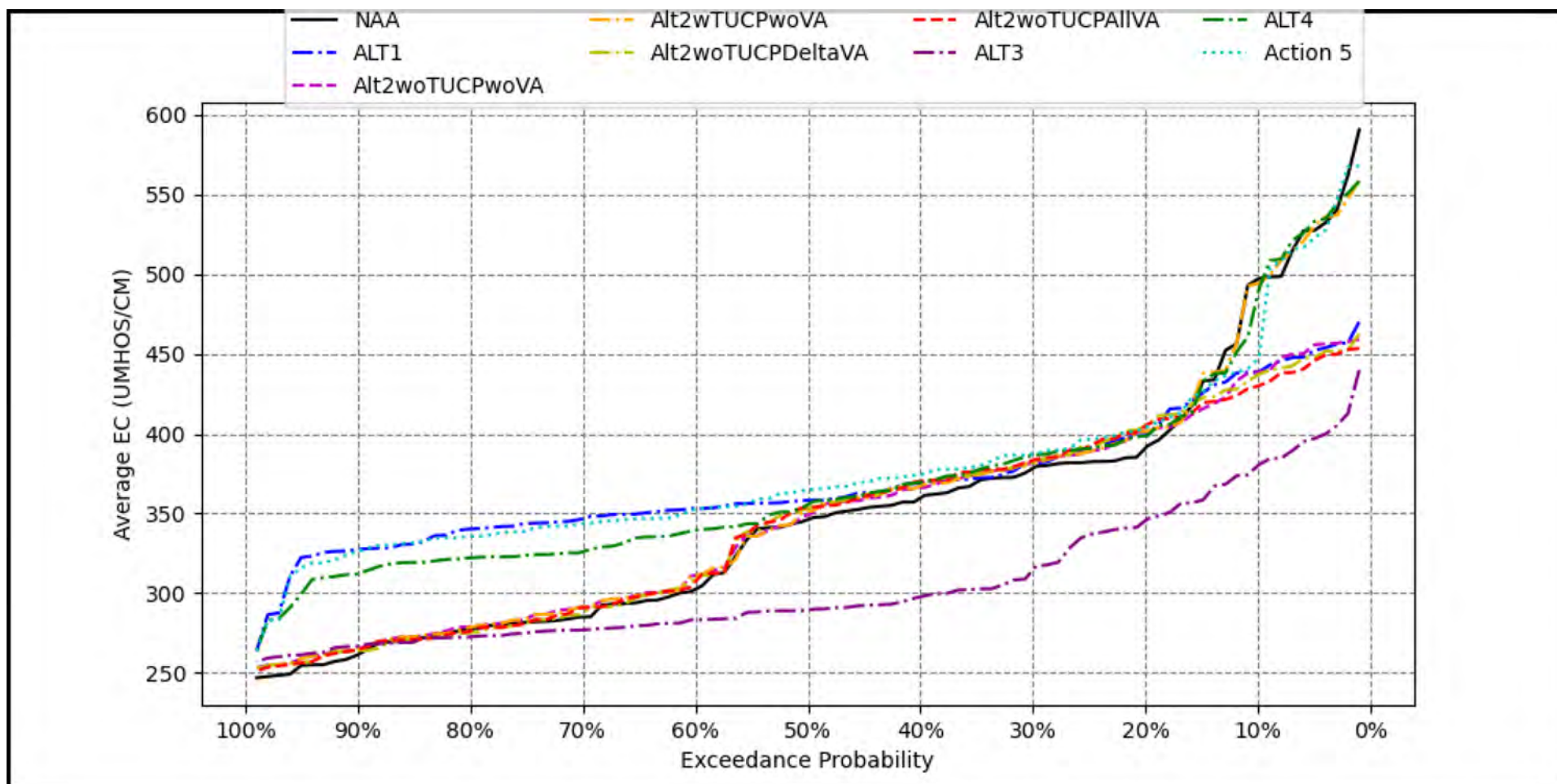
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-21-10 Victoria Canal, July EC



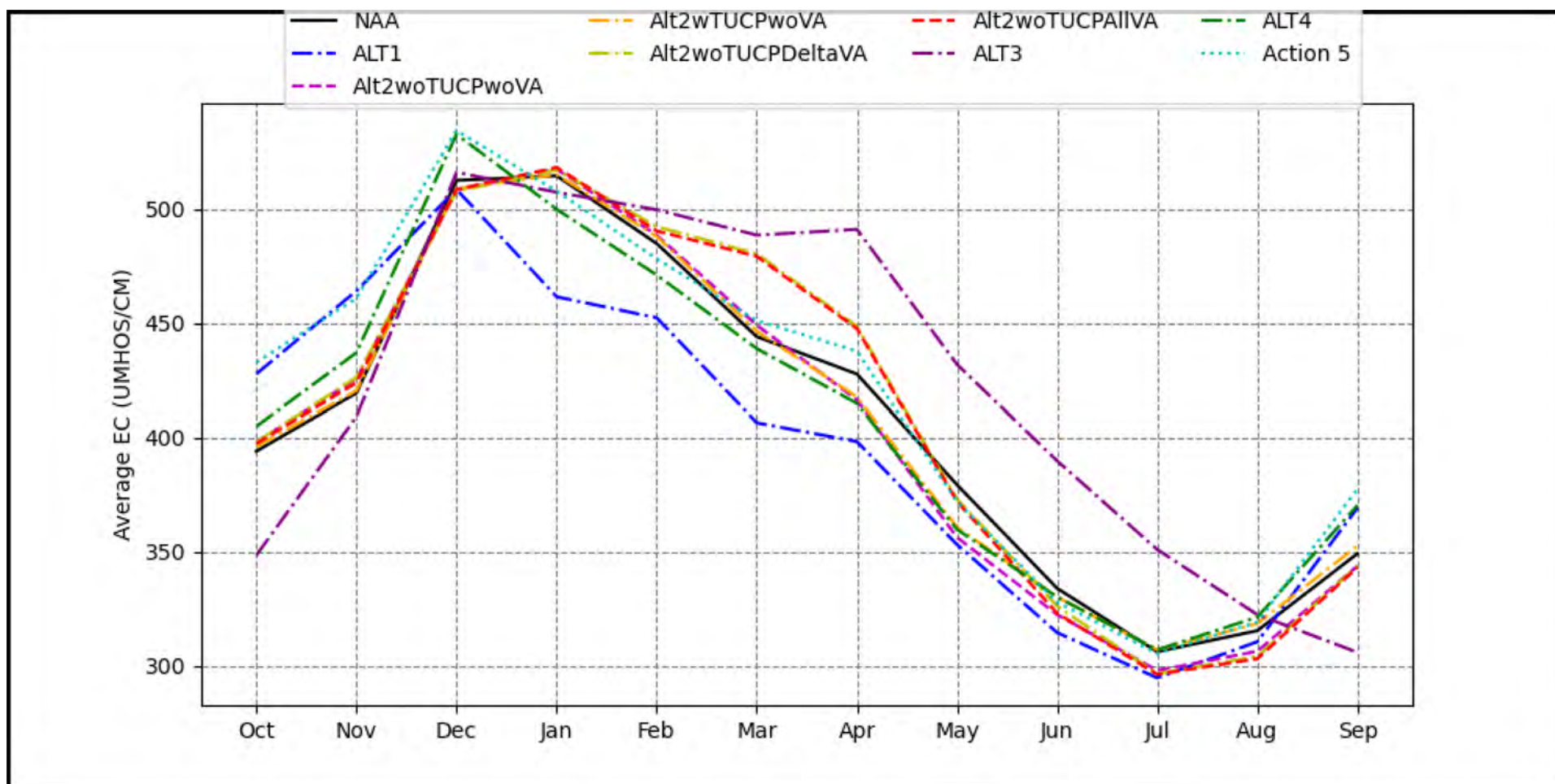
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.5-21-11 Victoria Canal, August EC



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

Figure F.2.5-21-12 Victoria Canal, September EC

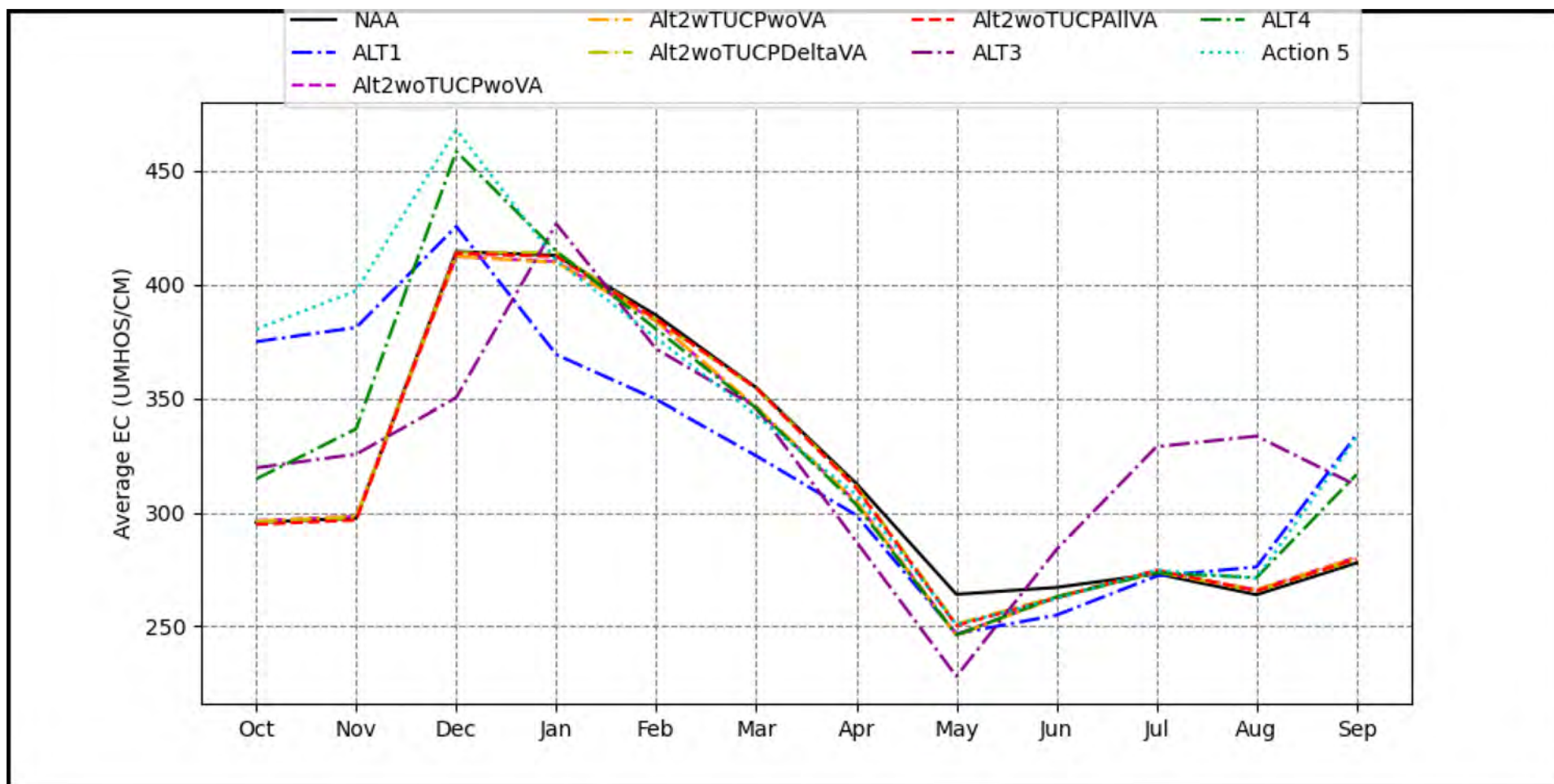


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-21-13 Victoria Canal, Long Term Average EC (UMHOS/CM)

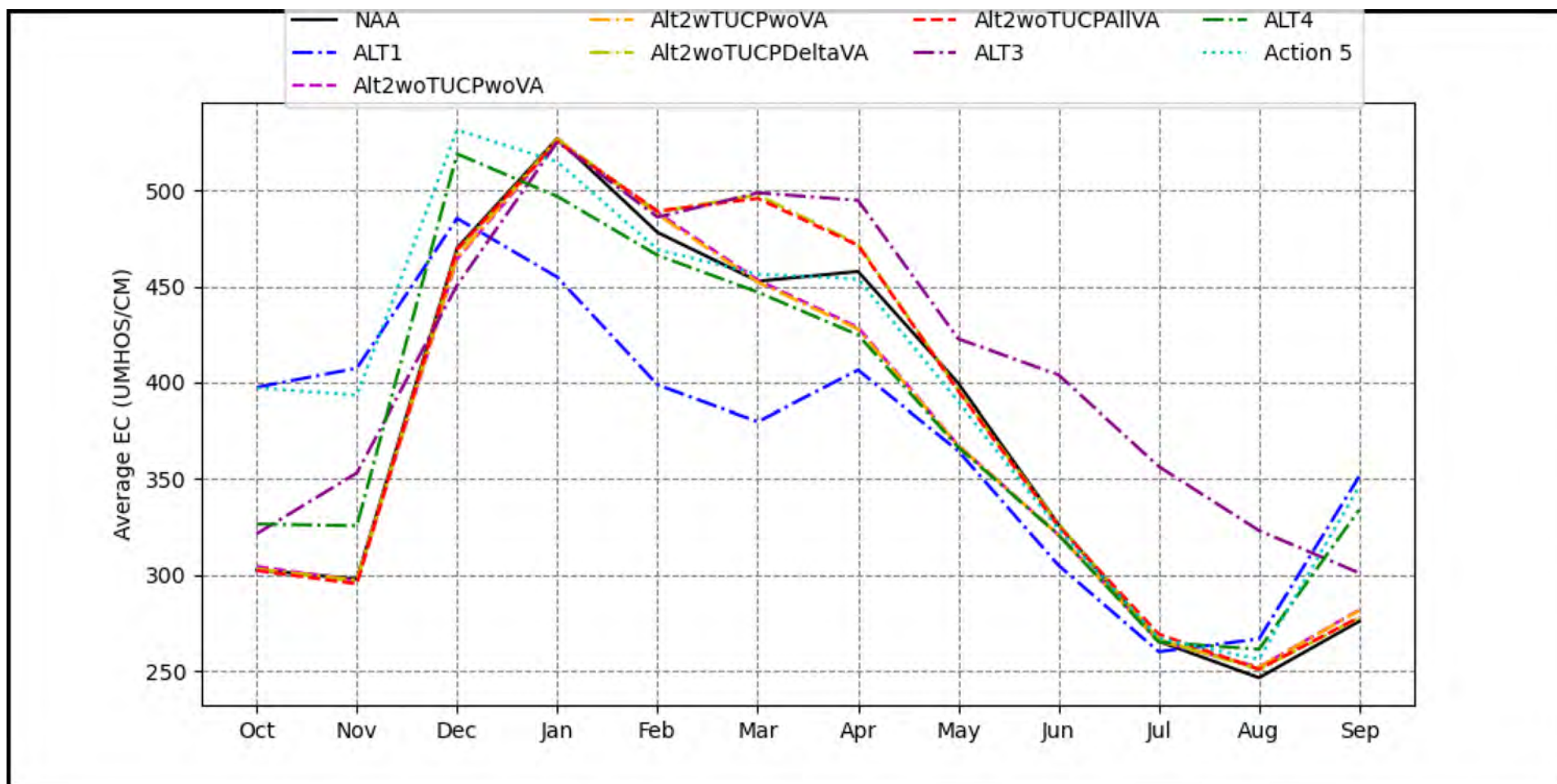


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-21-14 Victoria Canal, Wet Year Average EC (UMHOS/CM)

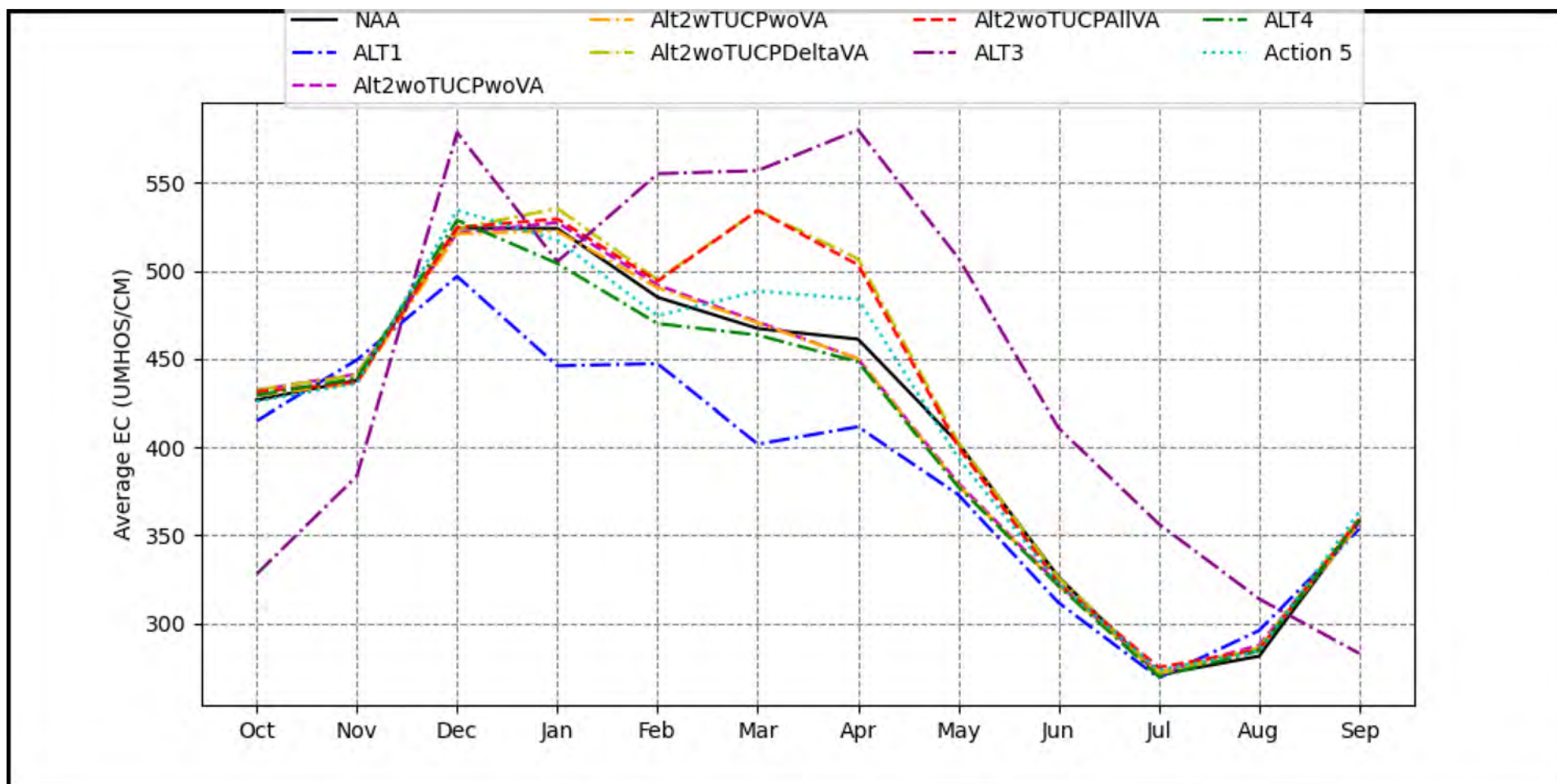


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-21-15 Victoria Canal, Above Normal Year Average EC (UMHOS/CM)

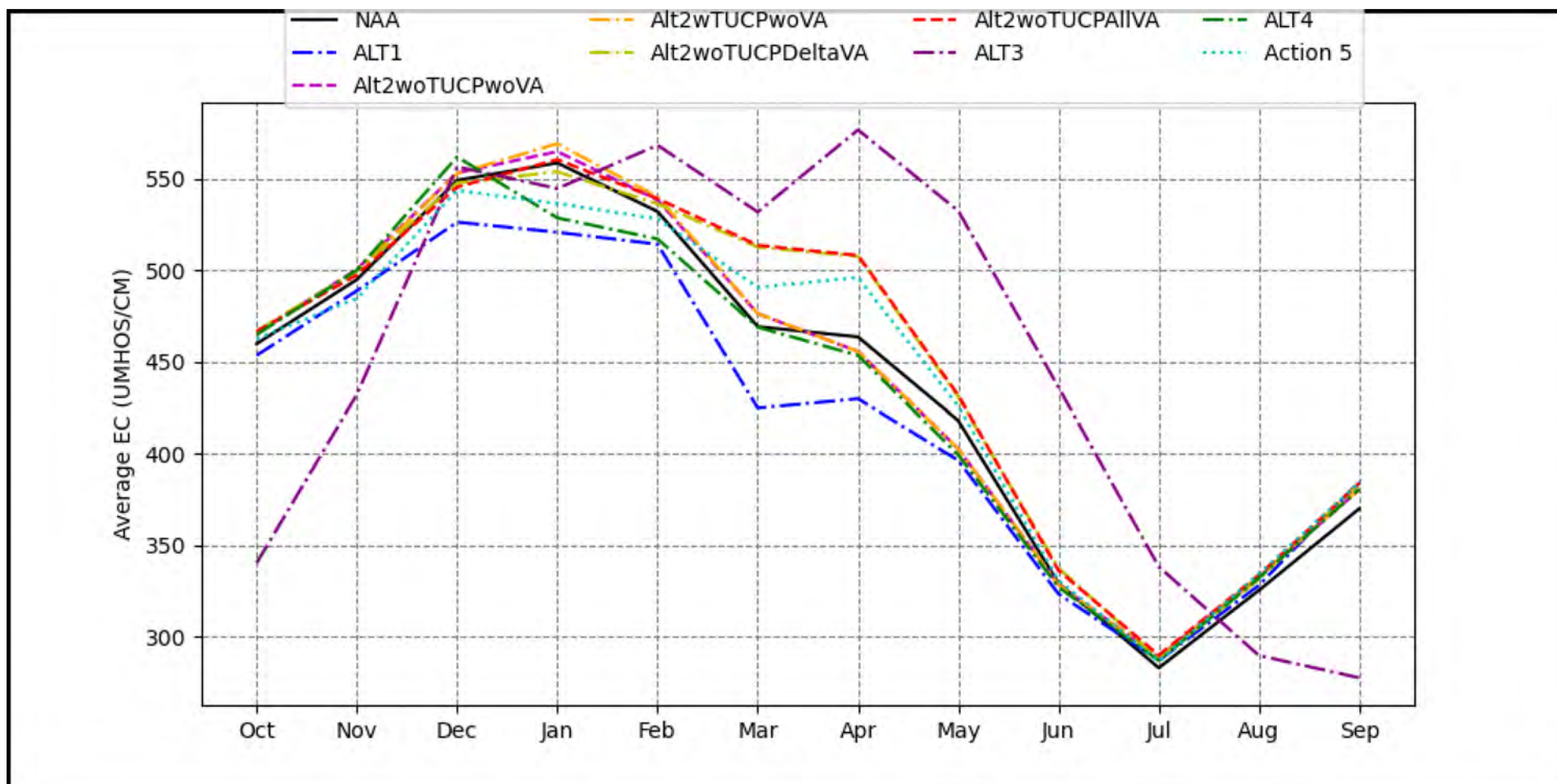


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-21-16 Victoria Canal, Below Normal Year Average EC (UMHOS/CM)

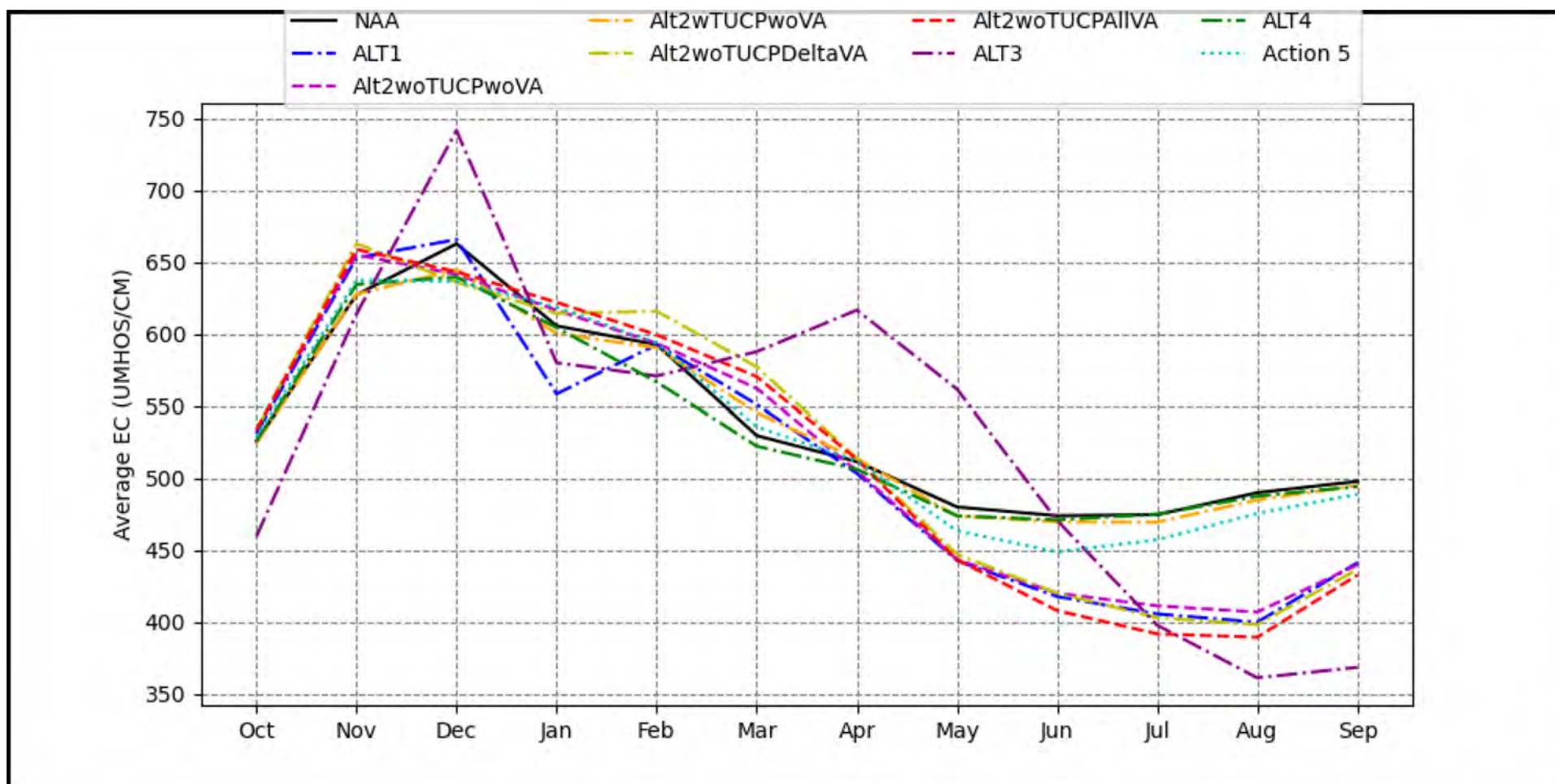


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-21-17 Victoria Canal, Dry Year Average EC (UMHOS/CM)



*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.5-21-18 Victoria Canal, Critical Year Average EC (UMHOS/CM)

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 (Alt2woTUCPDelatVA)
- Alt2woTUCPAIIVA 091324 (Alt2woTUCPAIIVA)
- Alt2wTUCPwoVA 091324 (Alt2wTUCPwoVA)
- Alt3 092423 (ALT3)
- Alt4 091624 (Alt4)
- Action 5 052125 (action 5)

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.

F.2.6-3 X2

Table F.2.6-3-1 a. X2, NAA, 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 Years (27.7%)	79	80	74	56	54	55	58	63	72	78	82	79
Above Normal Years (13.9%)	79	83	77	63	57	57	62	68	77	79	83	80
Below Normal Years (17.8%)	90	89	74	70	66	64	68	72	80	83	86	90
Dry Years (23.8%)	91	88	78	79	69	68	72	77	82	85	89	92
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.6-3-1 b. X2, ALT1, 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 Years (27.7%)	86	84	76	57	54	56	58	64	71	78	84	86
Above Normal Years (13.9%)	88	87	78	64	57	58	63	70	76	80	85	88
Below Normal Years (17.8%)	90	89	75	73	67	66	69	74	79	82	86	89
Dry Years (23.8%)	90	88	80	83	71	70	73	77	82	85	89	92
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.6-3-1 c. X2, ALT1 Minus NAA, 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 Years (27.7%)	8	3	2	1	0	0	1	1	-1	0	2	7
Above Normal Years (13.9%)	9	4	1	1	1	1	1	1	-1	0	2	8
Below Normal Years (17.8%)	0	0	2	3	1	1	1	2	-1	0	0	-1
Dry Years (23.8%)	0	0	2	3	2	2	1	1	0	0	0	0
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.6-3-2 a. X2, NAA, 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 Years (27.7%)	79	80	74	56	54	55	58	63	72	78	82	79
Above Normal Years (13.9%)	79	83	77	63	57	57	62	68	77	79	83	80
Below Normal Years (17.8%)	90	89	74	70	66	64	68	72	80	83	86	90
Dry Years (23.8%)	91	88	78	79	69	68	72	77	82	85	89	92
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.6-3-2 b. 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 Years (27.7%)	79	80	74	56	54	55	58	64	72	78	82	79
Above Normal Years (13.9%)	79	83	77	63	57	57	62	70	77	79	83	80
Below Normal Years (17.8%)	90	89	74	70	66	64	68	74	80	83	86	90
Dry Years (23.8%)	91	88	77	79	68	68	72	77	82	85	89	92
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.6-3-2 c. X2, Alt2woTUCPwoVA Minus NAA, 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 Years (27.7%)	0	0	0	0	0	0	0	1	0	0	0	0
Above Normal Years (13.9%)	0	0	0	0	0	0	1	1	0	0	0	0
Below Normal Years (17.8%)	0	0	0	0	0	0	1	2	0	0	0	0
Dry Years (23.8%)	0	0	0	-1	-1	0	0	1	0	0	0	0
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.6-3-3 a. X2, NAA, 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 Years (27.7%)	79	80	74	56	54	55	58	63	72	78	82	79
Above Normal Years (13.9%)	79	83	77	63	57	57	62	68	77	79	83	80
Below Normal Years (17.8%)	90	89	74	70	66	64	68	72	80	83	86	90
Dry Years (23.8%)	91	88	78	79	69	68	72	77	82	85	89	92
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.6-3-3 b. 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 Years (27.7%)	79	80	74	56	54	55	58	64	72	78	82	79
Above Normal Years (13.9%)	79	83	77	63	57	57	62	70	77	79	83	80
Below Normal Years (17.8%)	90	88	74	70	66	64	68	74	80	83	86	90
Dry Years (23.8%)	91	88	78	79	68	68	72	77	82	85	89	92
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.6-3-3 c. X2, Alt2wTUCPwoVA Minus NAA, 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 Years (27.7%)	0	0	0	0	0	0	0	1	0	0	0	0
Above Normal Years (13.9%)	0	0	0	0	0	0	1	1	0	0	0	0
Below Normal Years (17.8%)	0	0	0	0	0	0	1	2	0	0	0	0
Dry Years (23.8%)	0	0	0	-1	-1	0	0	1	0	0	0	0
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.6-3-4 a. X2, NAA, 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 Years (27.7%)	79	80	74	56	54	55	58	63	72	78	82	79
Above Normal Years (13.9%)	79	83	77	63	57	57	62	68	77	79	83	80
Below Normal Years (17.8%)	90	89	74	70	66	64	68	72	80	83	86	90
Dry Years (23.8%)	91	88	78	79	69	68	72	77	82	85	89	92
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.6-3-4 b. 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 Years (27.7%)	79	80	75	56	54	55	58	64	72	78	82	79
Above Normal Years (13.9%)	79	83	77	63	57	57	62	69	77	79	83	80
Below Normal Years (17.8%)	90	89	74	70	66	63	67	73	80	83	86	90
Dry Years (23.8%)	91	88	77	79	69	67	71	77	82	85	89	92
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.6-3-4 c. X2, Alt2woTUCPDeltaVA Minus NAA, 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 Years (27.7%)	0	0	0	0	0	0	0	1	0	0	0	0
Above Normal Years (13.9%)	0	0	0	0	0	0	0	1	0	0	0	0
Below Normal Years (17.8%)	0	0	0	0	0	-1	0	1	0	0	0	0
Dry Years (23.8%)	0	0	0	-1	0	-1	0	0	0	0	0	0
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.6-3-5 a. X2, NAA, 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 Years (27.7%)	79	80	74	56	54	55	58	63	72	78	82	79
Above Normal Years (13.9%)	79	83	77	63	57	57	62	68	77	79	83	80
Below Normal Years (17.8%)	90	89	74	70	66	64	68	72	80	83	86	90
Dry Years (23.8%)	91	88	78	79	69	68	72	77	82	85	89	92
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.6-3-5 b. X2, Alt2woTUCPAIIVA, 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 Years (27.7%)	79	80	75	56	54	55	58	63	72	78	82	79
Above Normal Years (13.9%)	79	83	77	63	57	57	61	68	76	79	83	80
Below Normal Years (17.8%)	89	88	74	70	66	63	66	72	80	83	86	90
Dry Years (23.8%)	91	88	77	79	68	67	70	75	81	85	89	92
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.6-3-5 c. X2, Alt2woTUCPAIIVA Minus NAA, 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 Years (27.7%)	0	0	0	0	0	0	0	1	0	0	0	0
Above Normal Years (13.9%)	0	0	0	0	0	0	-1	-1	0	0	0	0
Below Normal Years (17.8%)	0	0	0	0	0	-1	-2	-1	0	0	0	0
Dry Years (23.8%)	0	0	0	0	-1	-1	-2	-1	0	0	0	0
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.6-3-6 a. X2, NAA, 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 Years (27.7%)	79	80	74	56	54	55	58	63	72	78	82	79
Above Normal Years (13.9%)	79	83	77	63	57	57	62	68	77	79	83	80
Below Normal Years (17.8%)	90	89	74	70	66	64	68	72	80	83	86	90
Dry Years (23.8%)	91	88	78	79	69	68	72	77	82	85	89	92
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.6-3-6 b. X2, ALT3, 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 Years (27.7%)	78	77	70	55	53	55	57	59	72	78	81	79
Above Normal Years (13.9%)	79	78	70	60	56	56	60	64	77	83	83	80
Below Normal Years (17.8%)	87	88	71	67	63	61	64	70	80	84	84	86
Dry Years (23.8%)	89	87	76	74	66	66	69	74	80	83	84	87
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.6-3-6 c. X2, ALT3 Minus NAA, 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 Years (27.7%)	-1	-4	-5	-1	0	-1	-1	-3	0	0	-1	0
Above Normal Years (13.9%)	0	-5	-7	-3	-1	-1	-2	-5	0	3	0	0
Below Normal Years (17.8%)	-2	-1	-2	-3	-3	-3	-3	-2	0	2	-2	-4
Dry Years (23.8%)	-2	0	-2	-5	-3	-2	-3	-3	-2	-2	-6	-5
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.6-3-7 a. X2, NAA, 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 Years (27.7%)	79	80	74	56	54	55	58	63	72	78	82	79
Above Normal Years (13.9%)	79	83	77	63	57	57	62	68	77	79	83	80
Below Normal Years (17.8%)	90	89	74	70	66	64	68	72	80	83	86	90
Dry Years (23.8%)	91	88	78	79	69	68	72	77	82	85	89	92
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.6-3-7 b. X2, ALT4, 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 Years (27.7%)	84	82	73	56	54	55	58	64	72	78	84	84
Above Normal Years (13.9%)	85	85	76	62	57	57	62	70	77	79	84	85
Below Normal Years (17.8%)	90	89	73	69	66	64	68	74	80	82	86	90
Dry Years (23.8%)	91	88	77	79	69	68	72	77	82	85	89	92
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.6-3-7 c. X2, ALT4 Minus NAA, 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 Years (27.7%)	5	2	-1	0	0	0	0	1	0	0	2	5
Above Normal Years (13.9%)	6	2	-1	-1	0	0	1	1	0	0	2	6
Below Normal Years (17.8%)	0	0	0	-1	0	0	0	2	0	0	0	0
Dry Years (23.8%)	0	0	0	0	0	0	0	1	0	0	0	0
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.6-3-8 a. X2, NAA, 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 Years (27.7%)	79	80	74	56	54	55	58	63	72	78	82	79
Above Normal Years (13.9%)	79	83	77	63	57	57	62	68	77	79	83	80
Below Normal Years (17.8%)	90	89	74	70	66	64	68	72	80	83	86	90
Dry Years (23.8%)	91	88	78	79	69	68	72	77	82	85	89	92
Critical Years (15.8%)	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 2022 Median climate condition and 15 cm sea level rise.

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.6-3-8 b. X2, Action 5, Monthly Position (KM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	93	93	90	87	80	78	80	85	91	91	92	93
20% Exceedance	92	92	88	85	74	72	75	79	83	86	90	92
30% Exceedance	92	91	87	79	68	66	71	78	82	85	89	92
40% Exceedance	92	90	86	72	65	65	67	76	81	84	87	91
50% Exceedance	91	90	82	68	62	62	66	72	80	82	86	90
60% Exceedance	90	89	77	64	57	59	63	69	79	80	85	89
70% Exceedance	89	88	69	59	55	56	61	67	78	80	85	88
80% Exceedance	88	87	62	55	53	54	57	62	74	79	84	87
90% Exceedance	87	79	56	53	52	53	55	59	70	78	84	86
Full Simulation Period Average^a	90	88	77	69	64	63	67	72	79	83	87	90
Wet Years (27.7%)	87	84	75	56	54	55	58	63	72	78	84	86
Above Normal Years (13.9%)	89	87	76	62	57	57	61	68	77	79	84	88
Below Normal Years (17.8%)	90	88	74	70	65	63	66	71	80	82	86	90
Dry Years (23.8%)	91	88	77	79	69	67	70	75	81	85	89	92
Critical Years (15.8%)	94	93	85	83	77	77	83	86	89	91	93	93

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.6-3-8 c. X2, Action 5 Minus NAA, Monthly Position (KM)

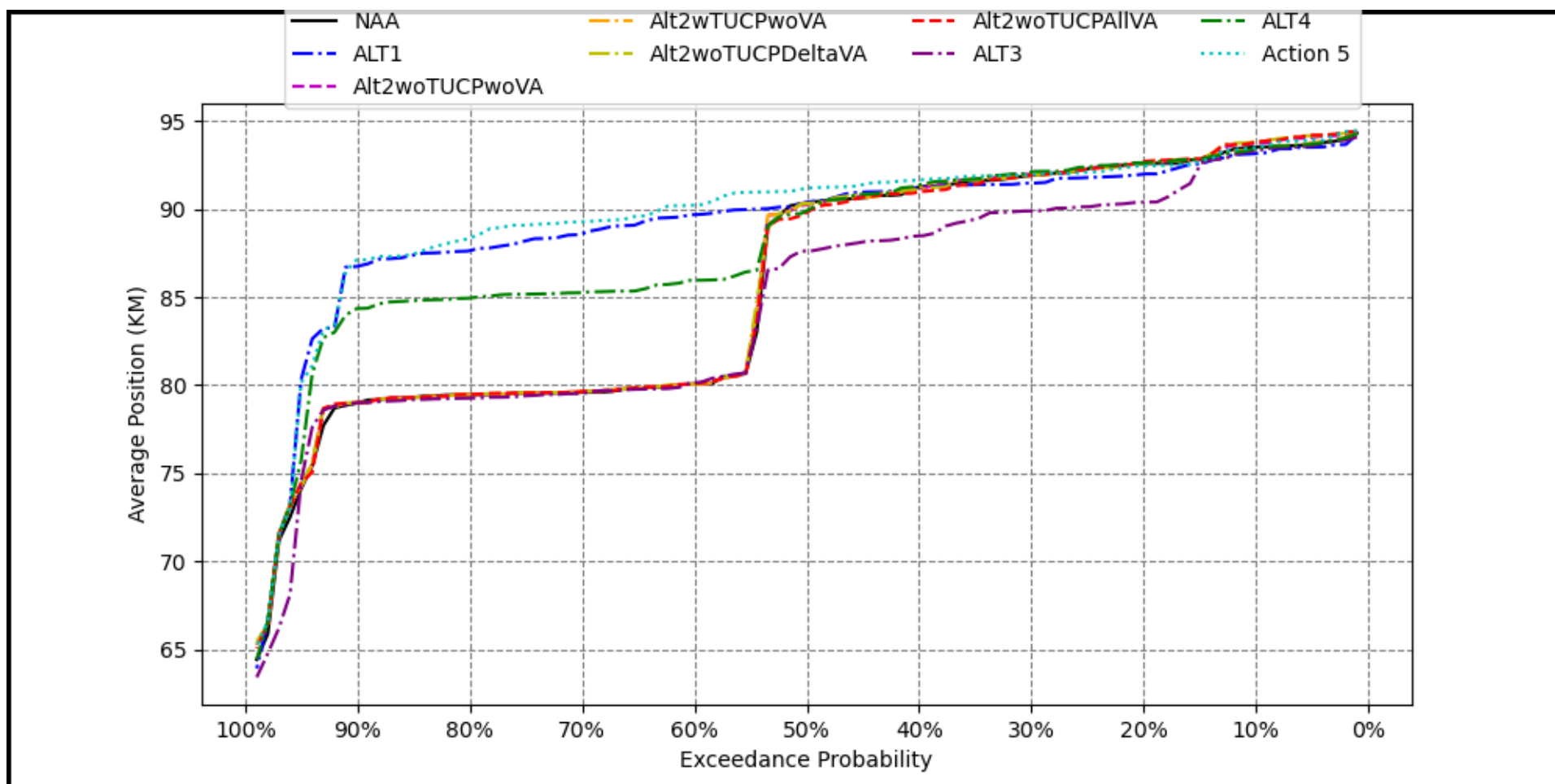
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	-1	-2	-2	1	-1	-1	0
20% Exceedance	0	0	0	0	-1	-2	-3	-1	0	0	0	0
30% Exceedance	0	0	0	-1	0	-1	-1	-1	0	0	0	0
40% Exceedance	0	0	0	-1	0	0	-2	-1	0	0	-1	0
50% Exceedance	1	4	0	0	0	0	0	-1	0	0	0	1
60% Exceedance	10	4	1	0	0	0	-1	-1	0	0	2	9
70% Exceedance	10	3	1	0	0	0	0	0	0	0	2	8
80% Exceedance	9	4	0	0	0	0	0	-1	0	0	2	7
90% Exceedance	8	1	0	0	0	0	0	1	0	0	2	7
Full Simulation Period Average^a	4	2	0	0	0	0	-1	0	0	0	1	3
Wet Years (27.7%)	8	4	0	0	0	0	0	1	0	0	2	7
Above Normal Years (13.9%)	10	4	0	0	0	0	-1	-1	0	0	2	9
Below Normal Years (17.8%)	0	0	0	0	0	-1	-2	-1	0	0	-1	0
Dry Years (23.8%)	0	0	0	0	0	-1	-1	-1	0	0	0	0
Critical Years (15.8%)	0	0	0	0	0	0	-1	-1	-1	0	0	0

^a Based on the 100-year simulation period.

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

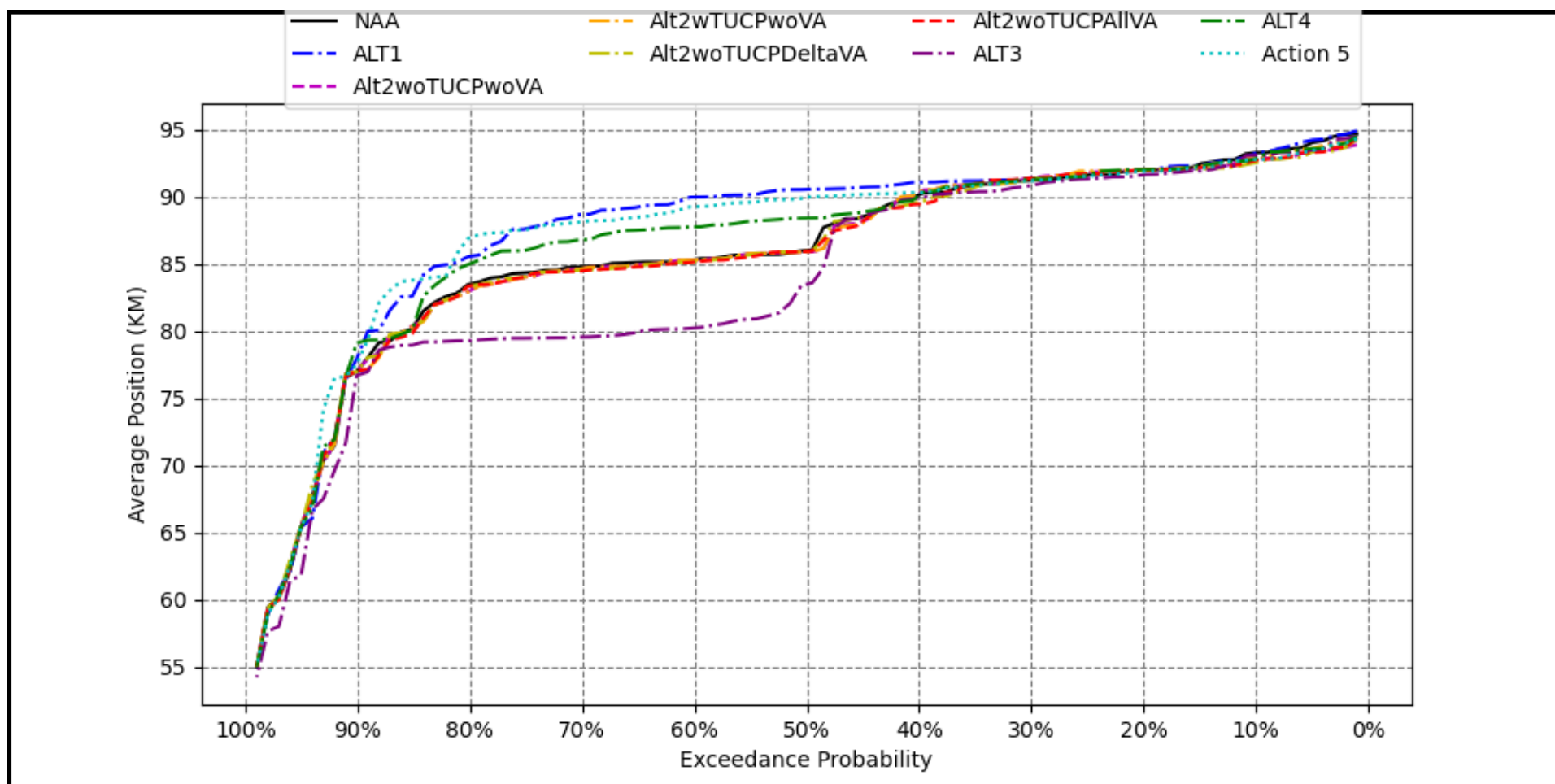
* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.



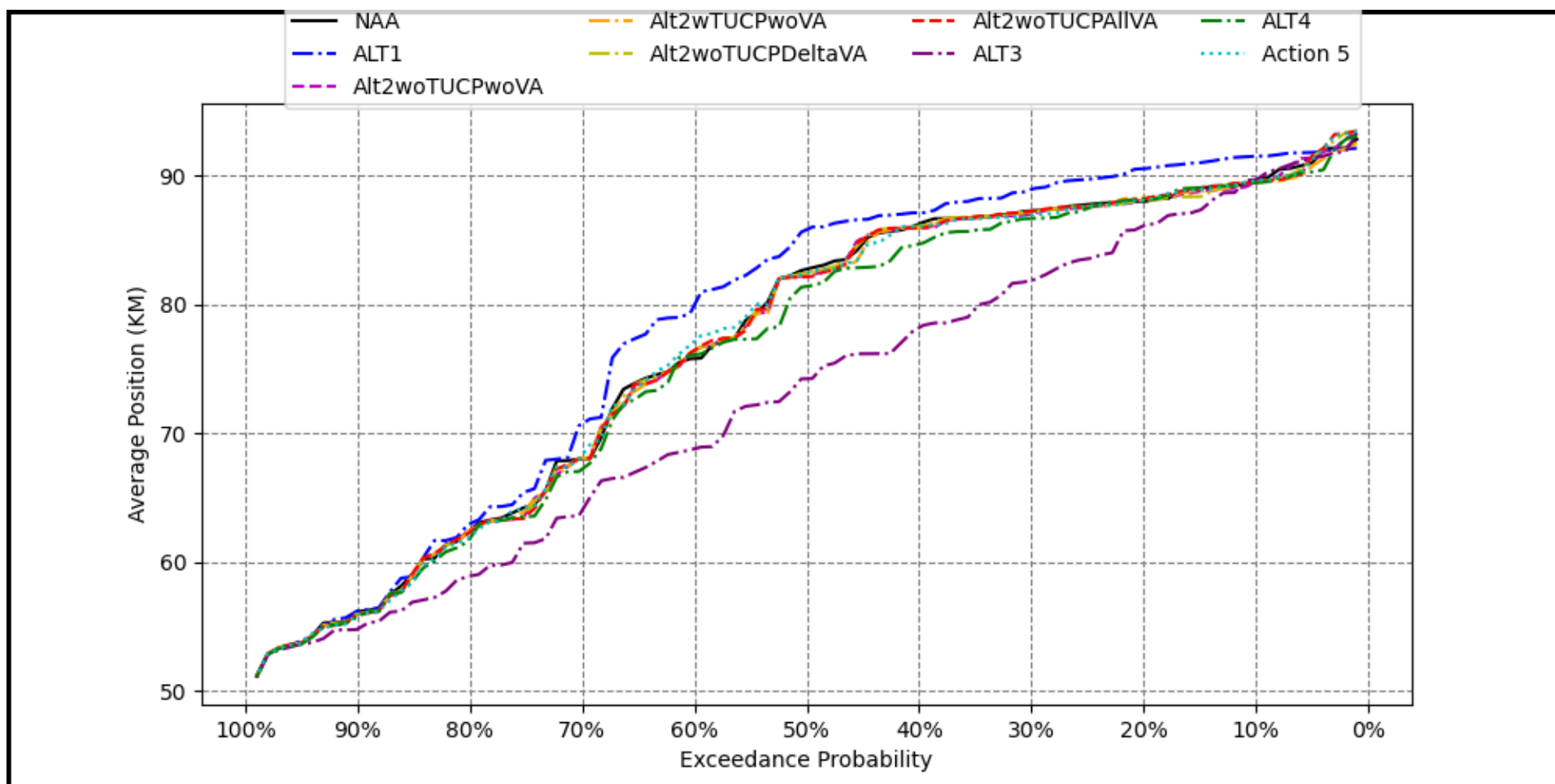
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.6-3-1 X2, October Position



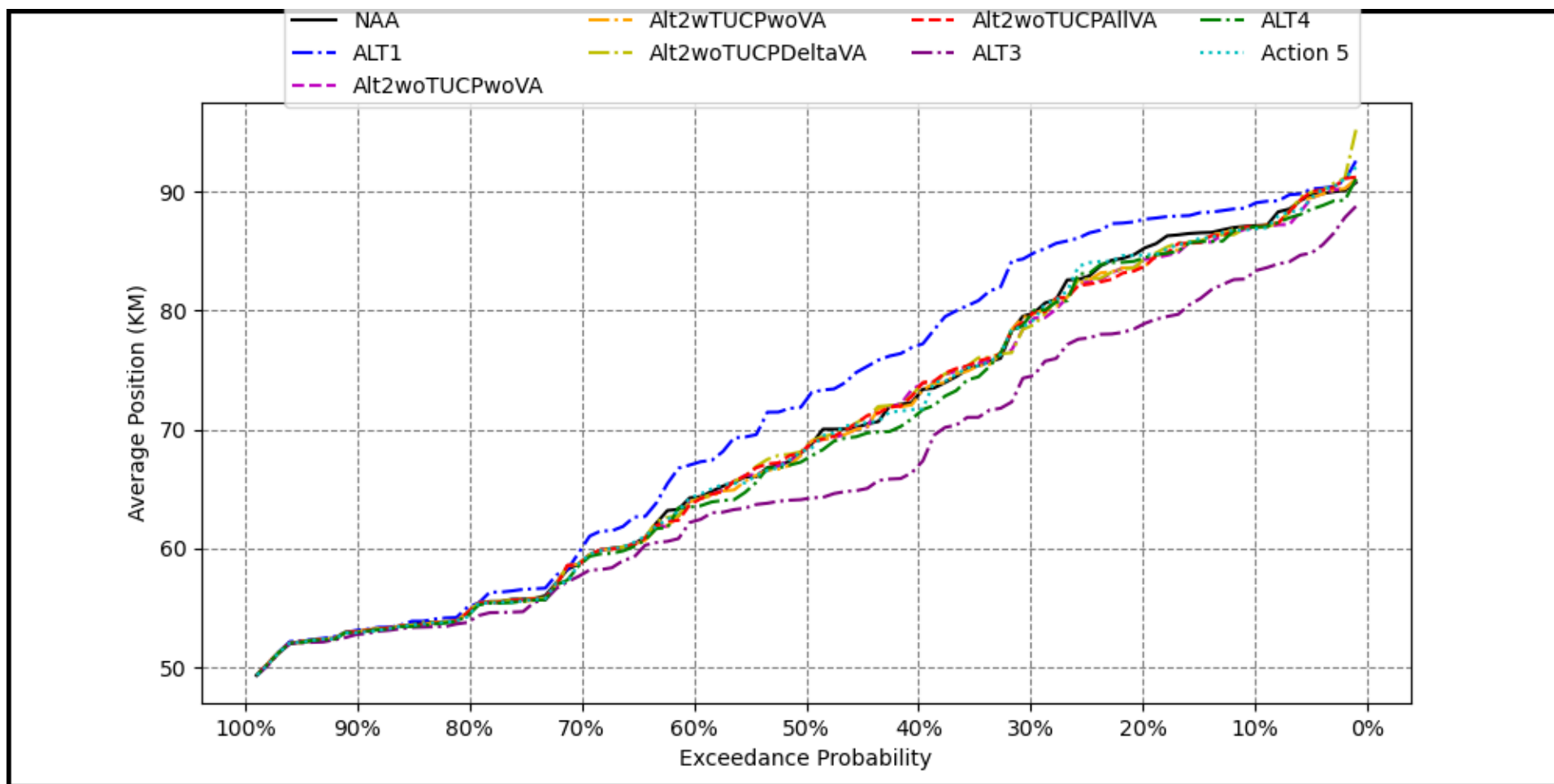
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.6-3-2 X2, November Position



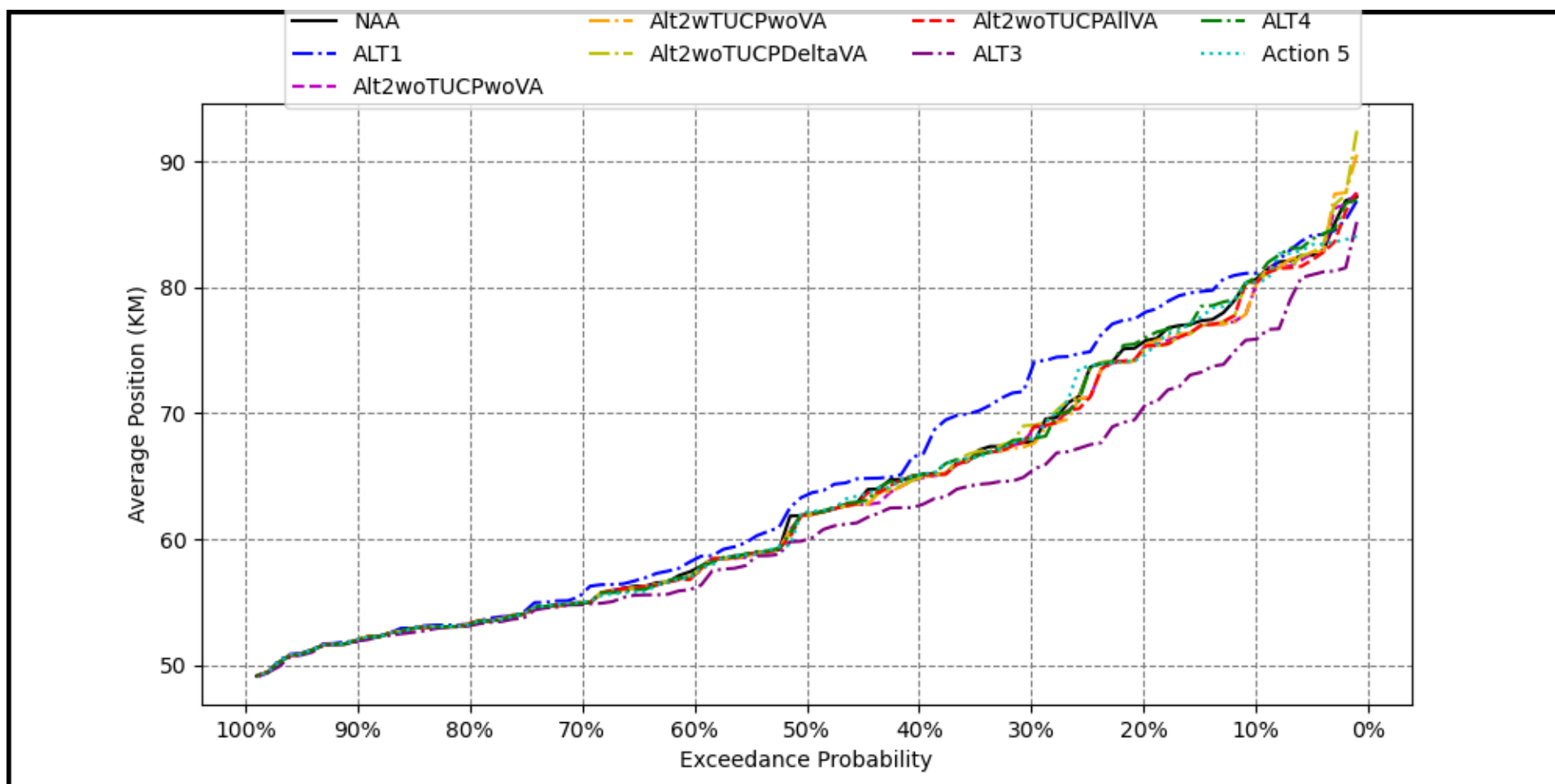
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.6-3-3 X2, December Position



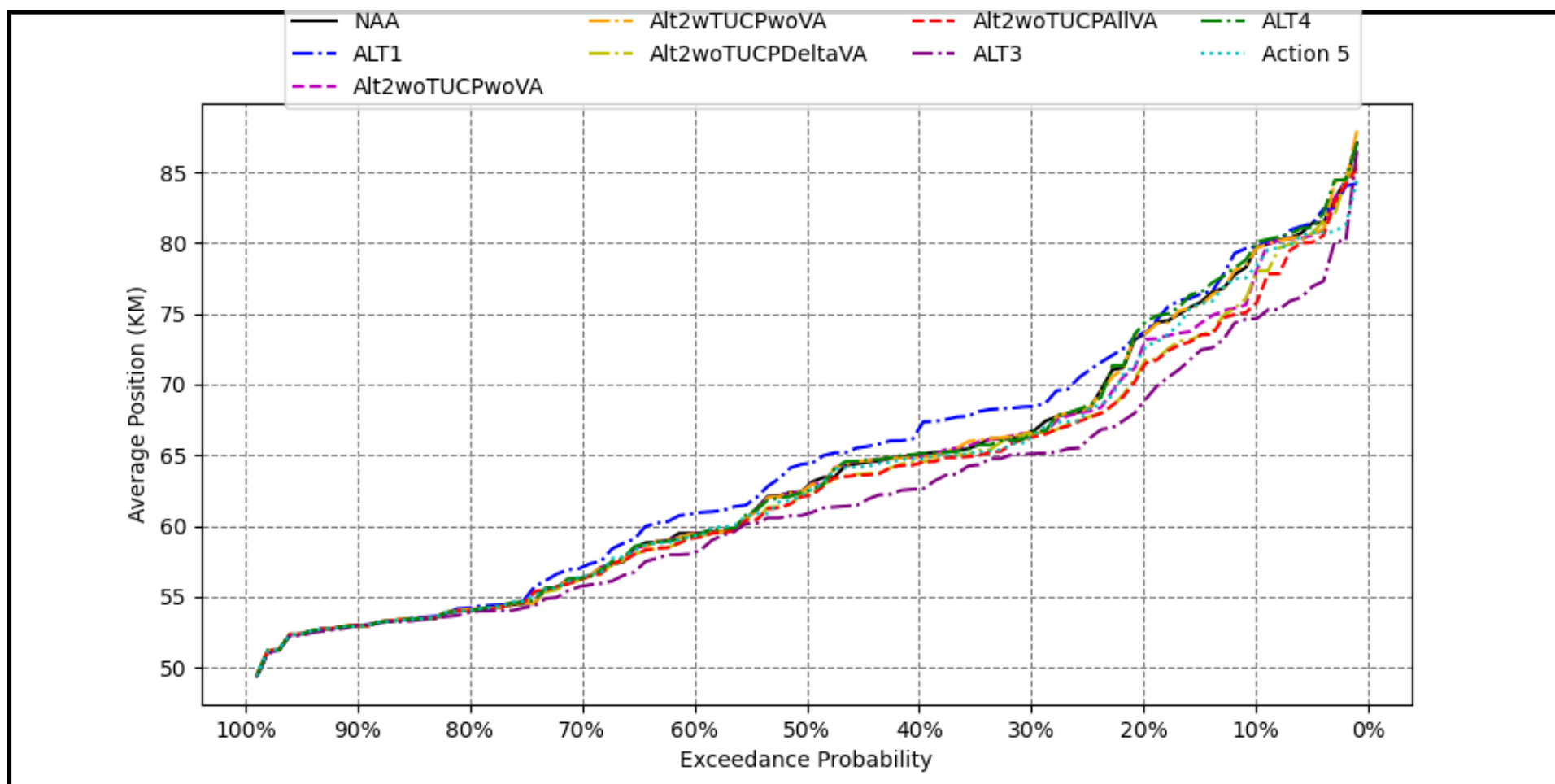
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.6-3-4 X2, January Position



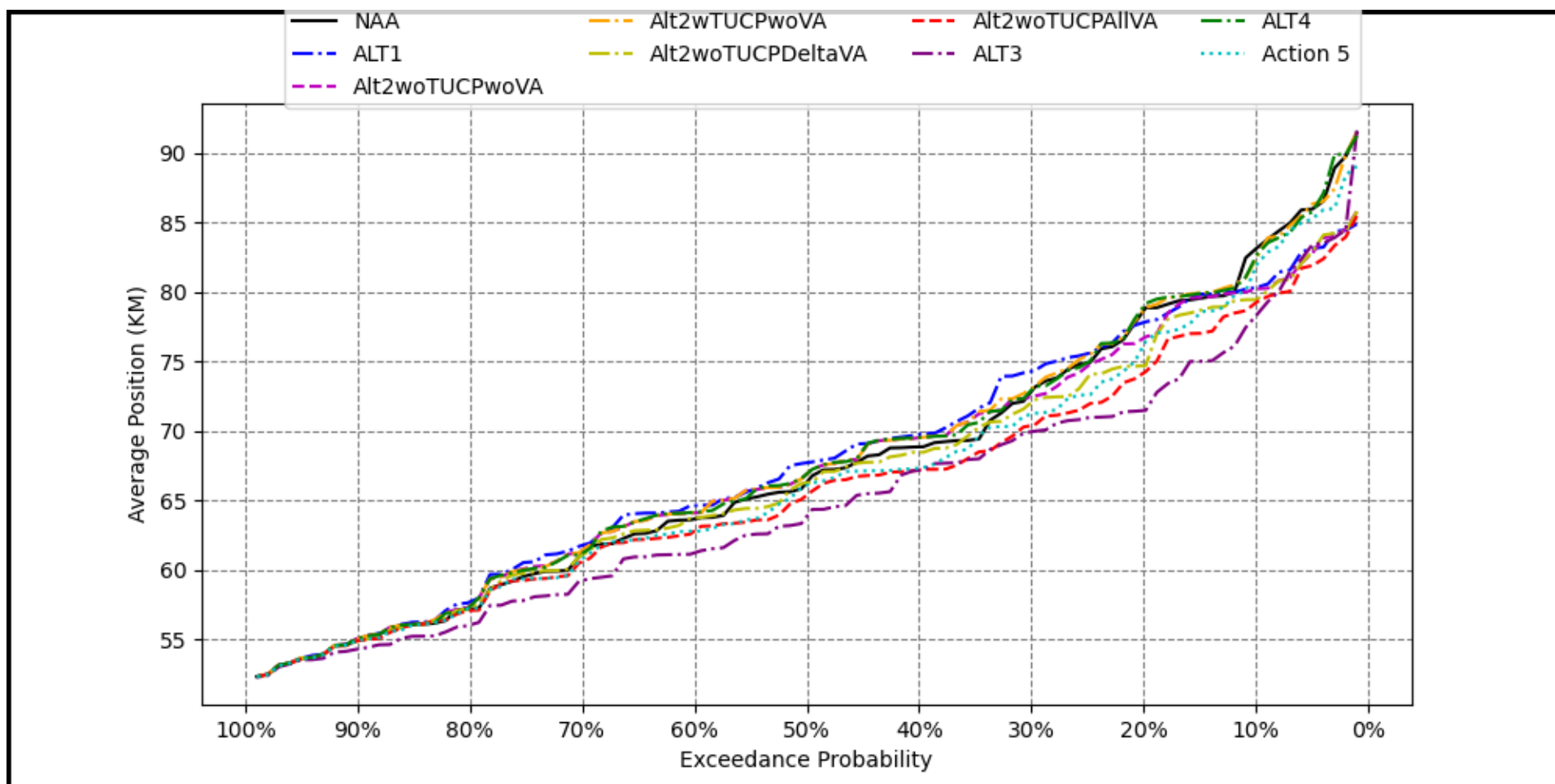
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.6-3-5 X2, February Position



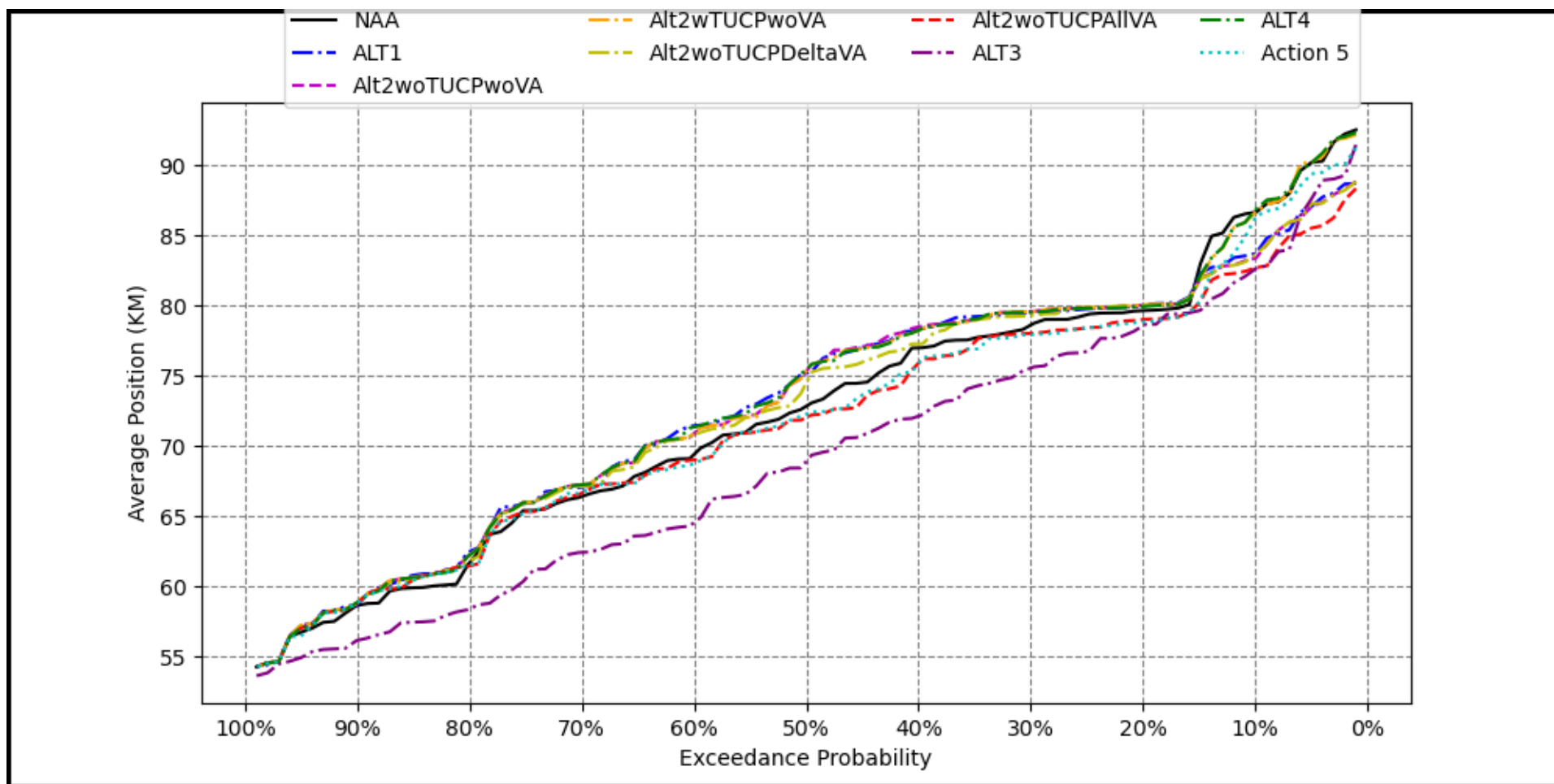
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.6-3-6 X2, March Position



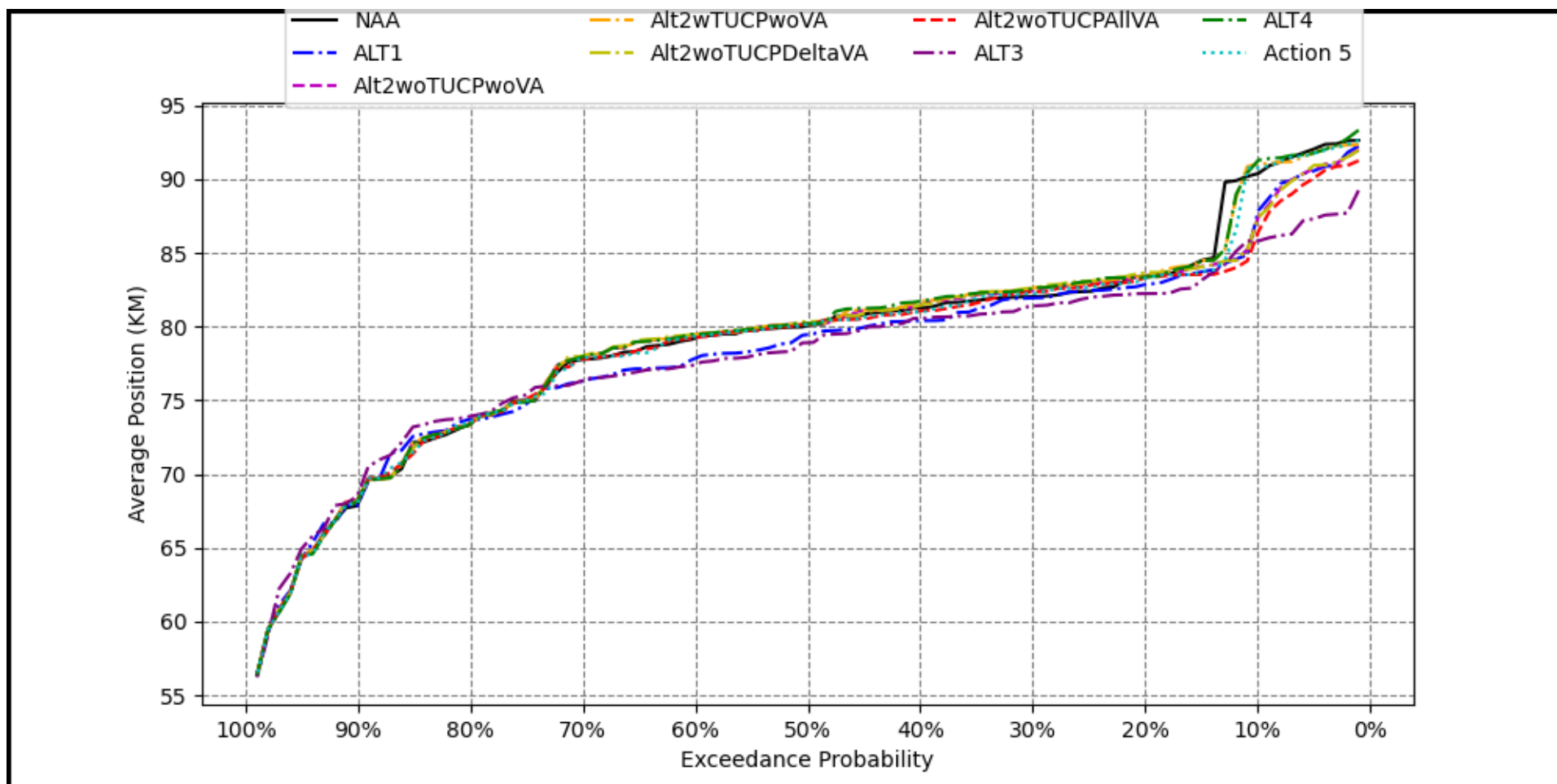
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.6-3-7 X2, April Position



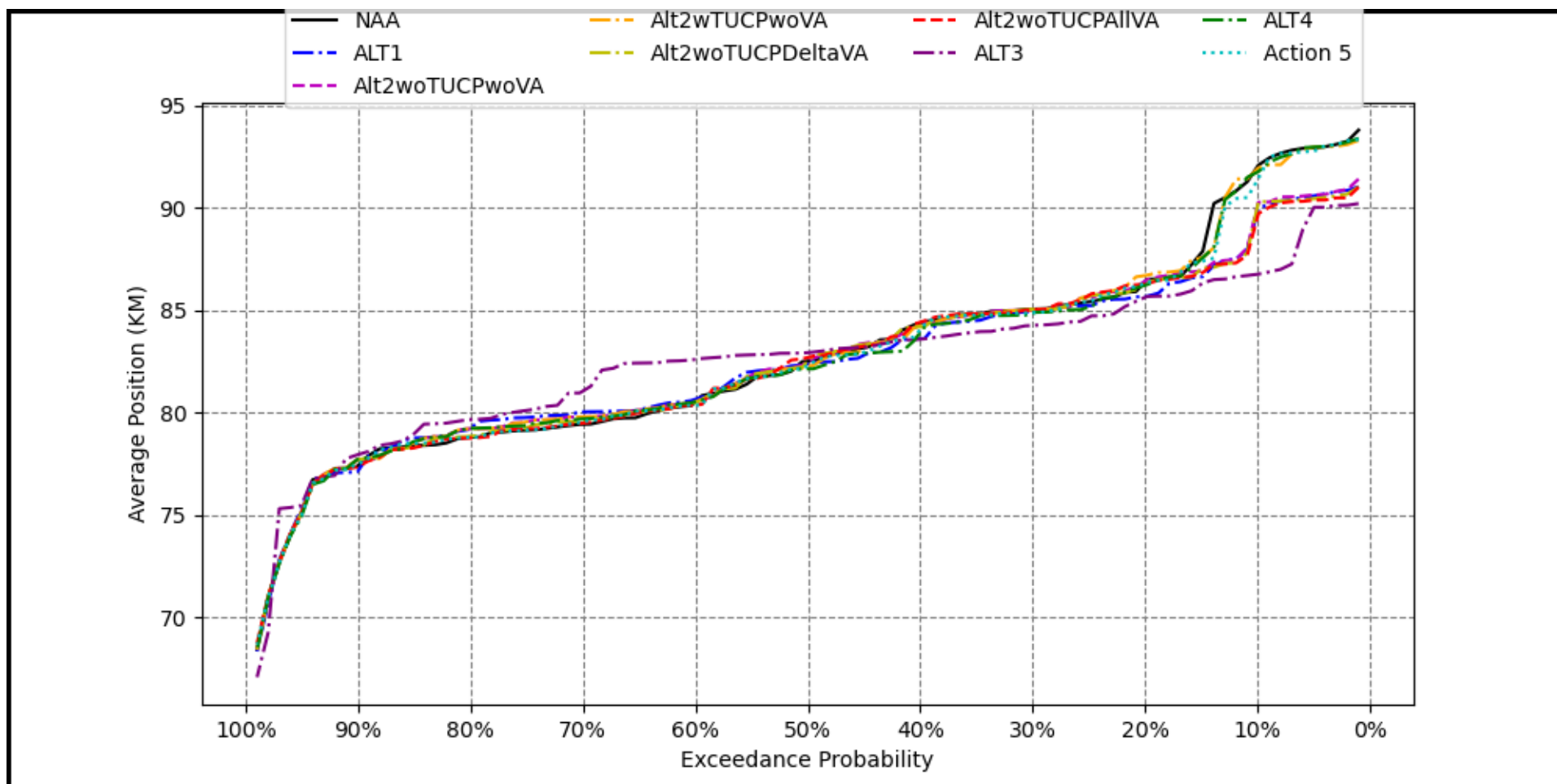
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.6-3-8 X2, May Position



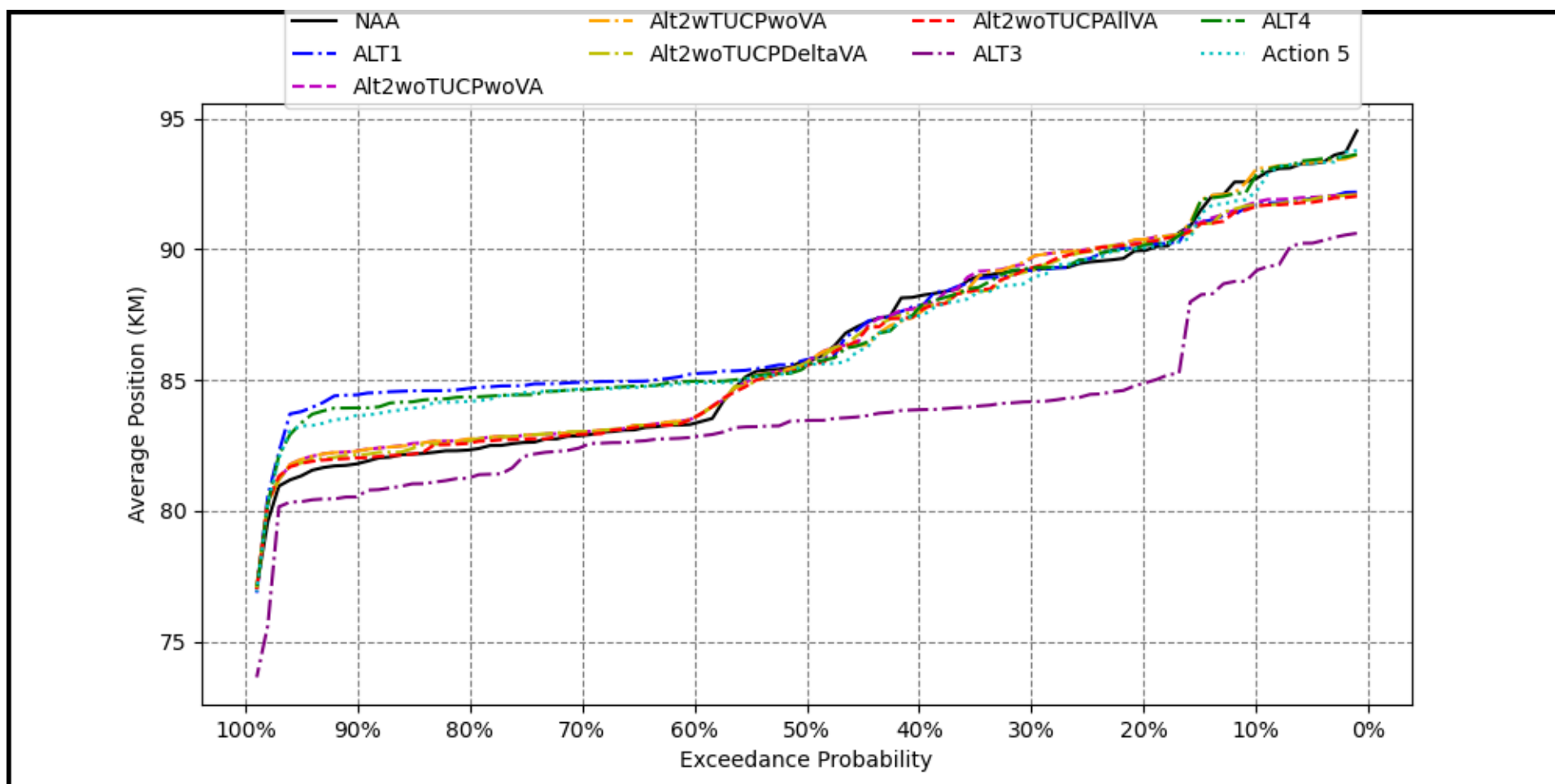
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.6-3-9 X2, June Position



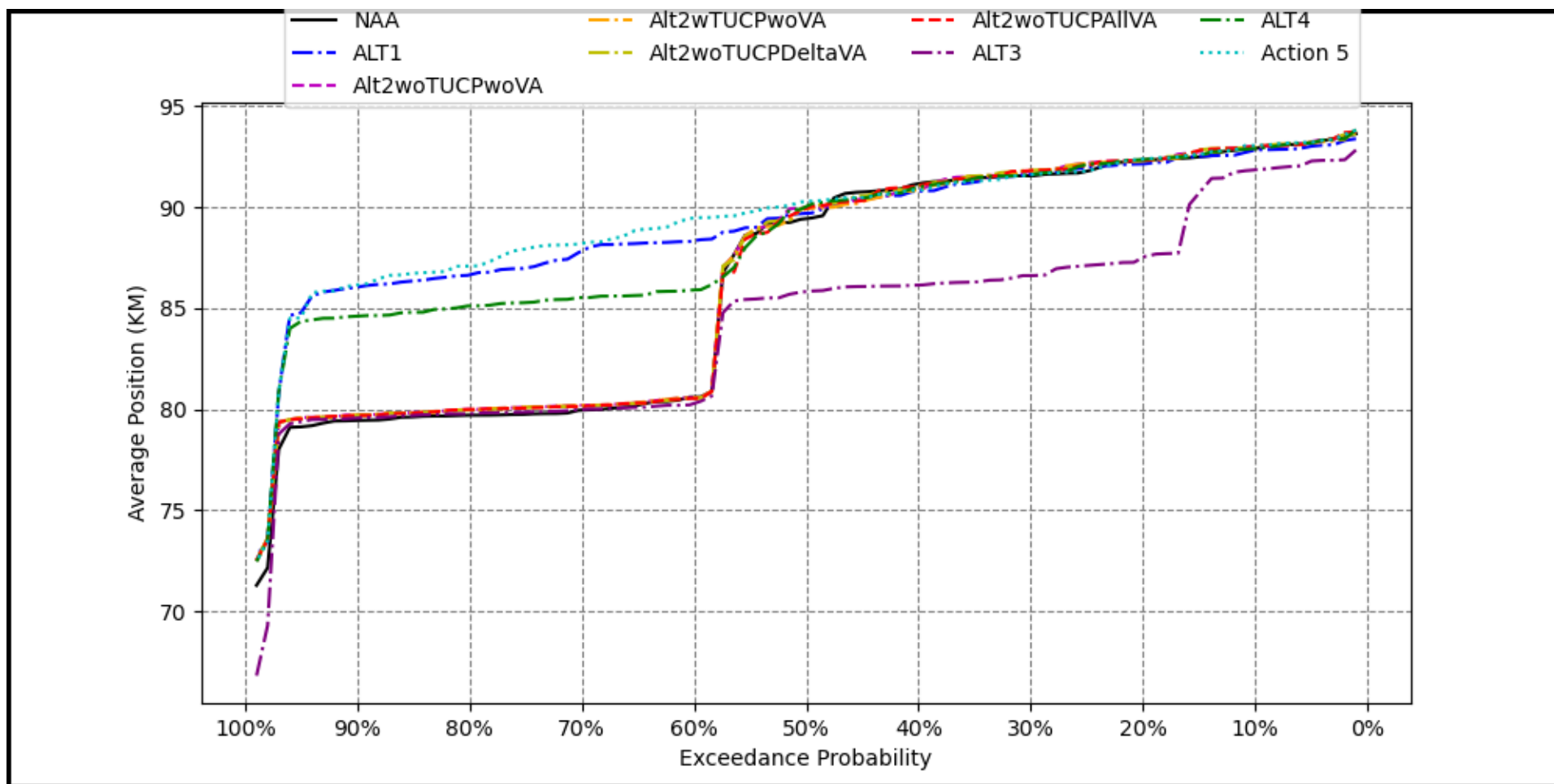
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.6-3-10 X2, July Position



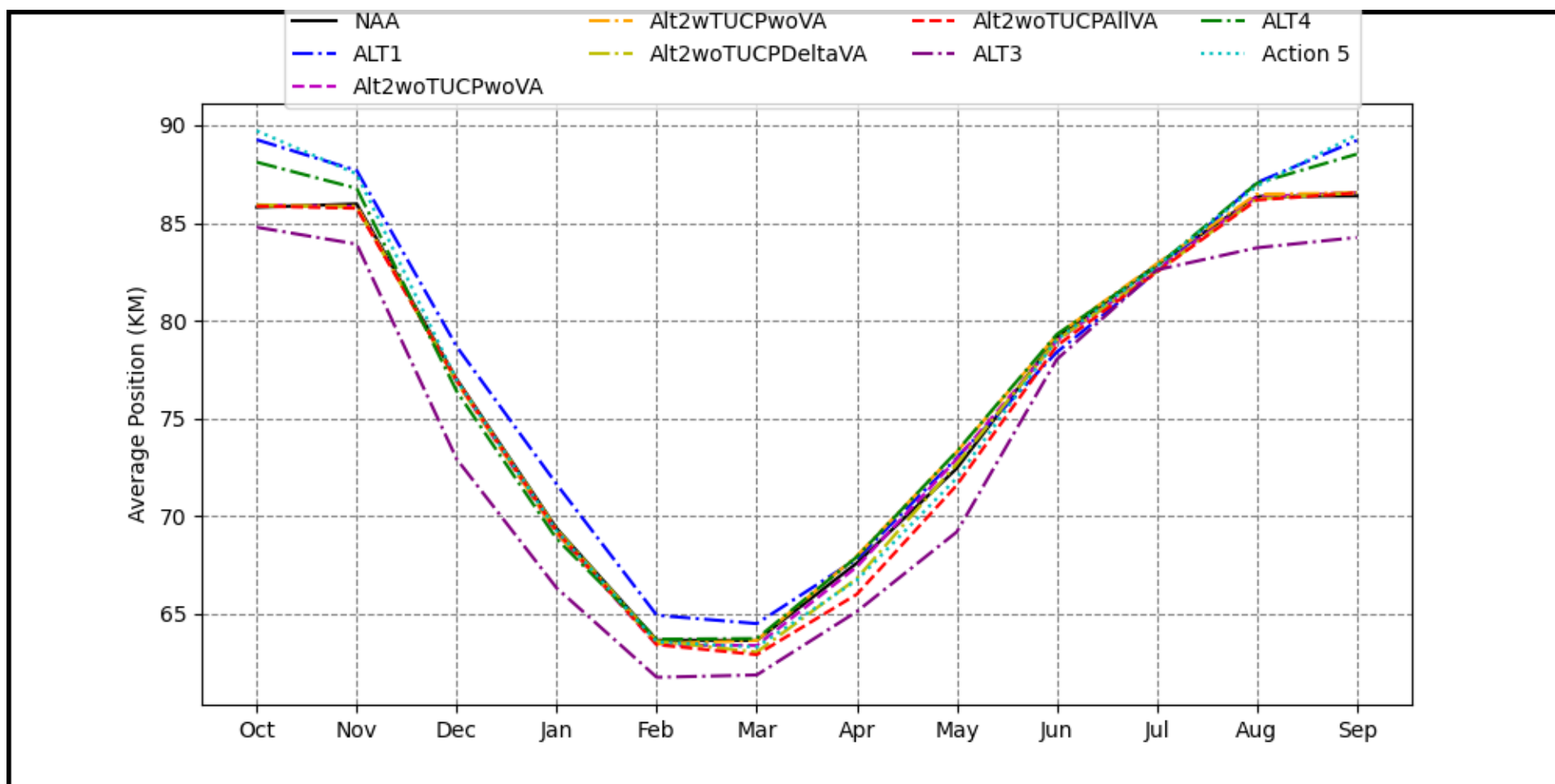
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.6-3-11 X2, August Position



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

Figure F.2.6-3-12 X2, September Position

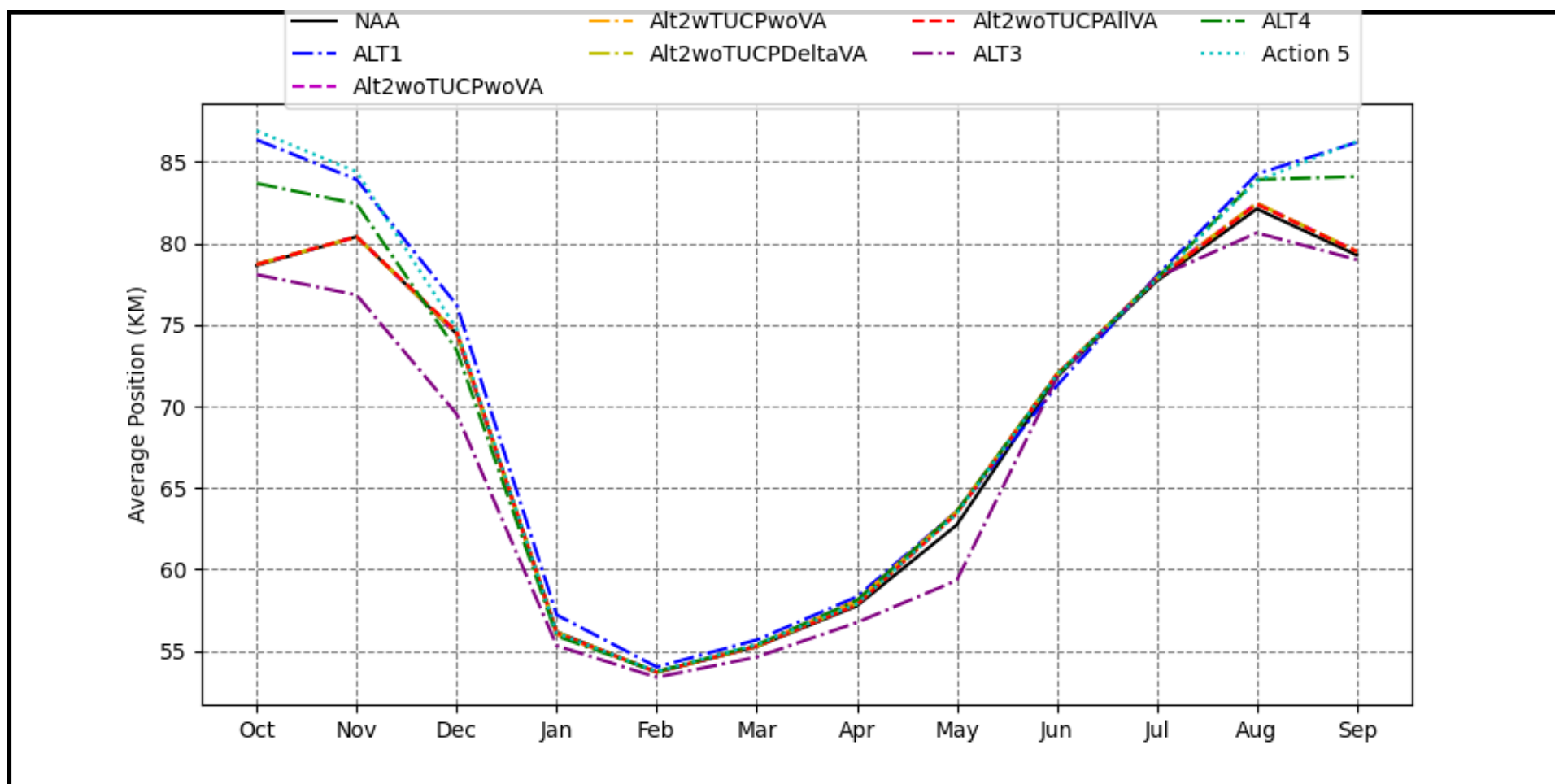


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.6-3-13 X2, Long Term Average Position (KM)

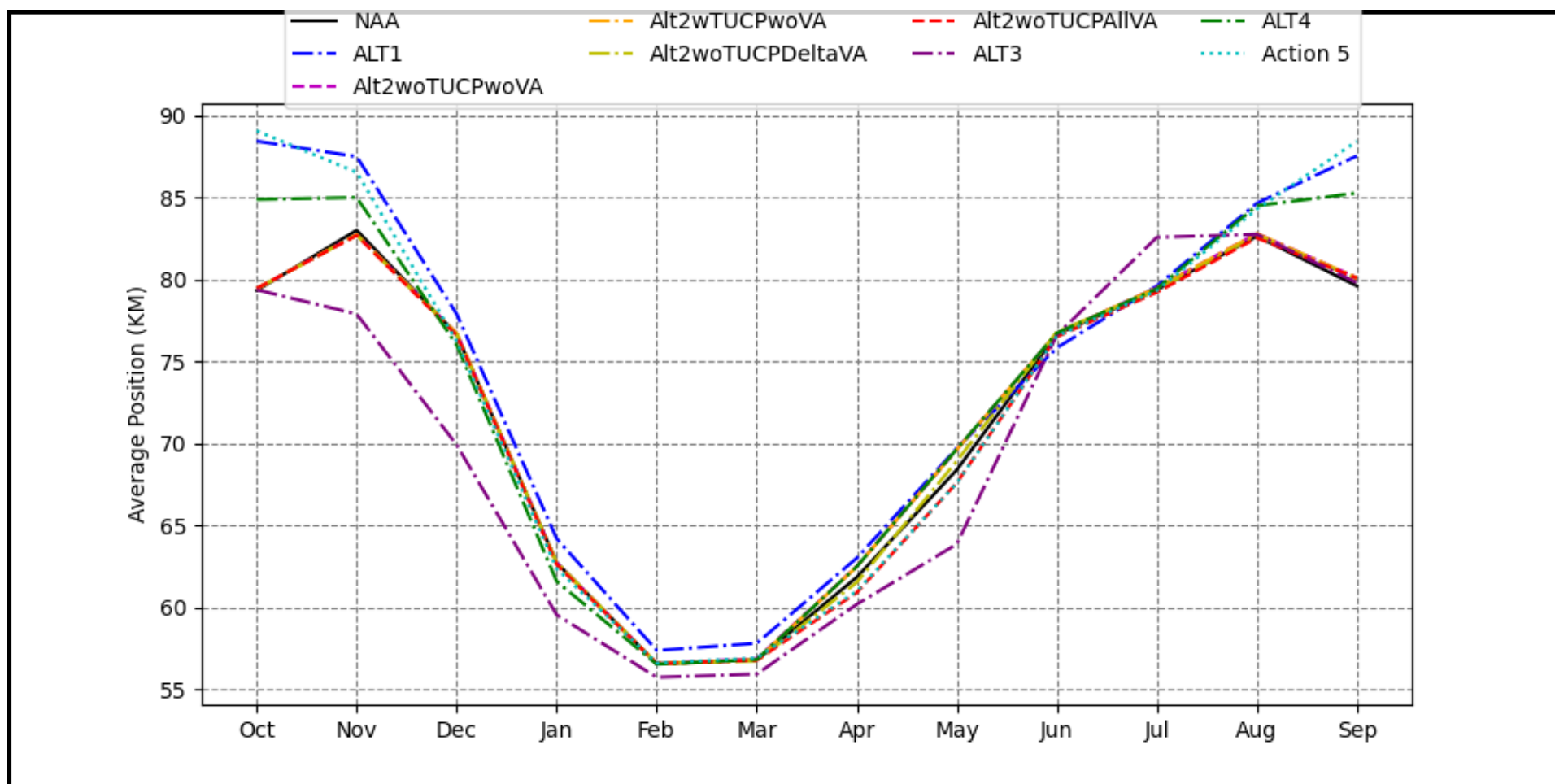


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.6-3-14 X2, Wet Year Average Position (KM)

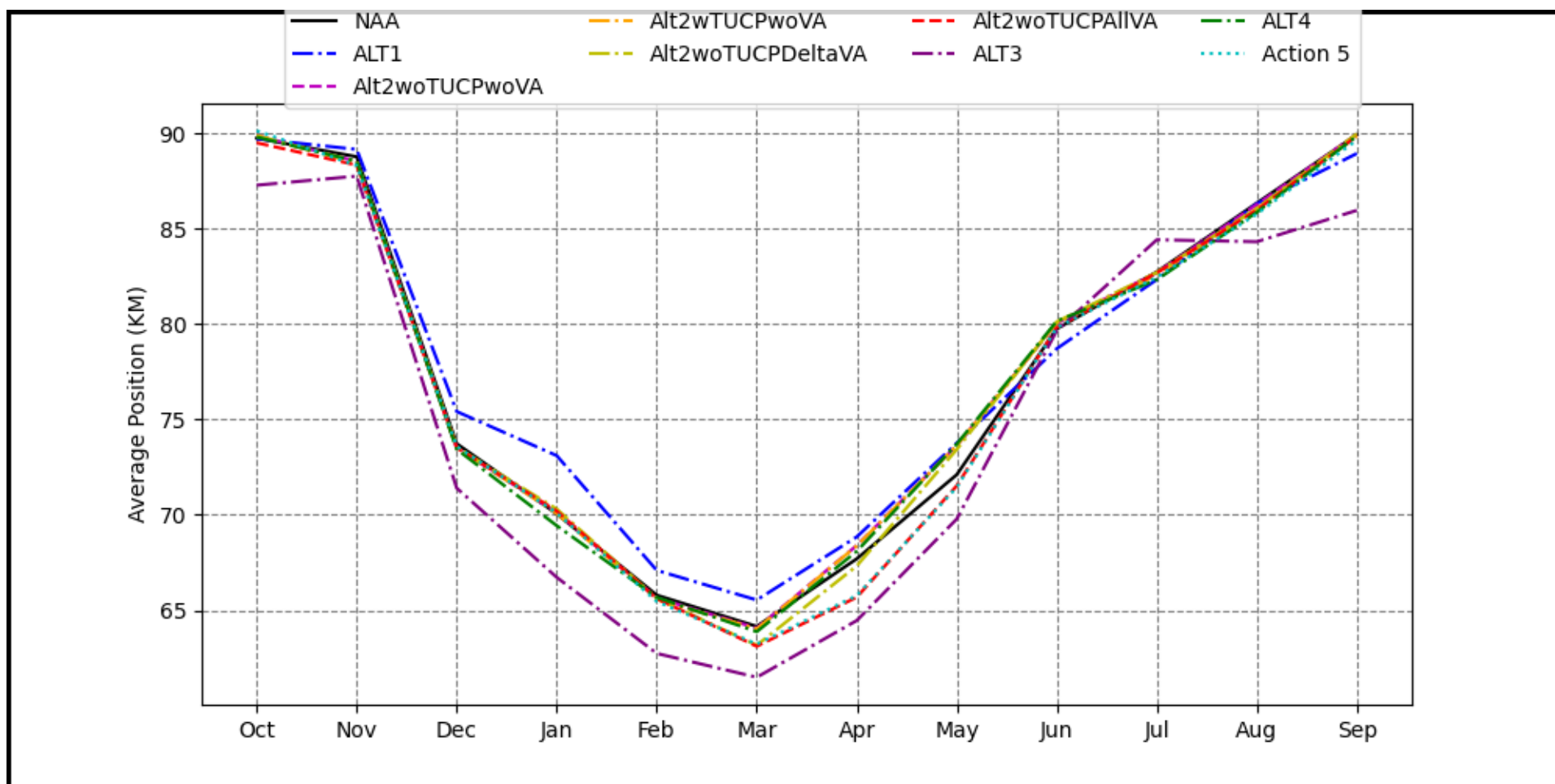


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.6-3-15 X2, Above Normal Year Average Position (KM)

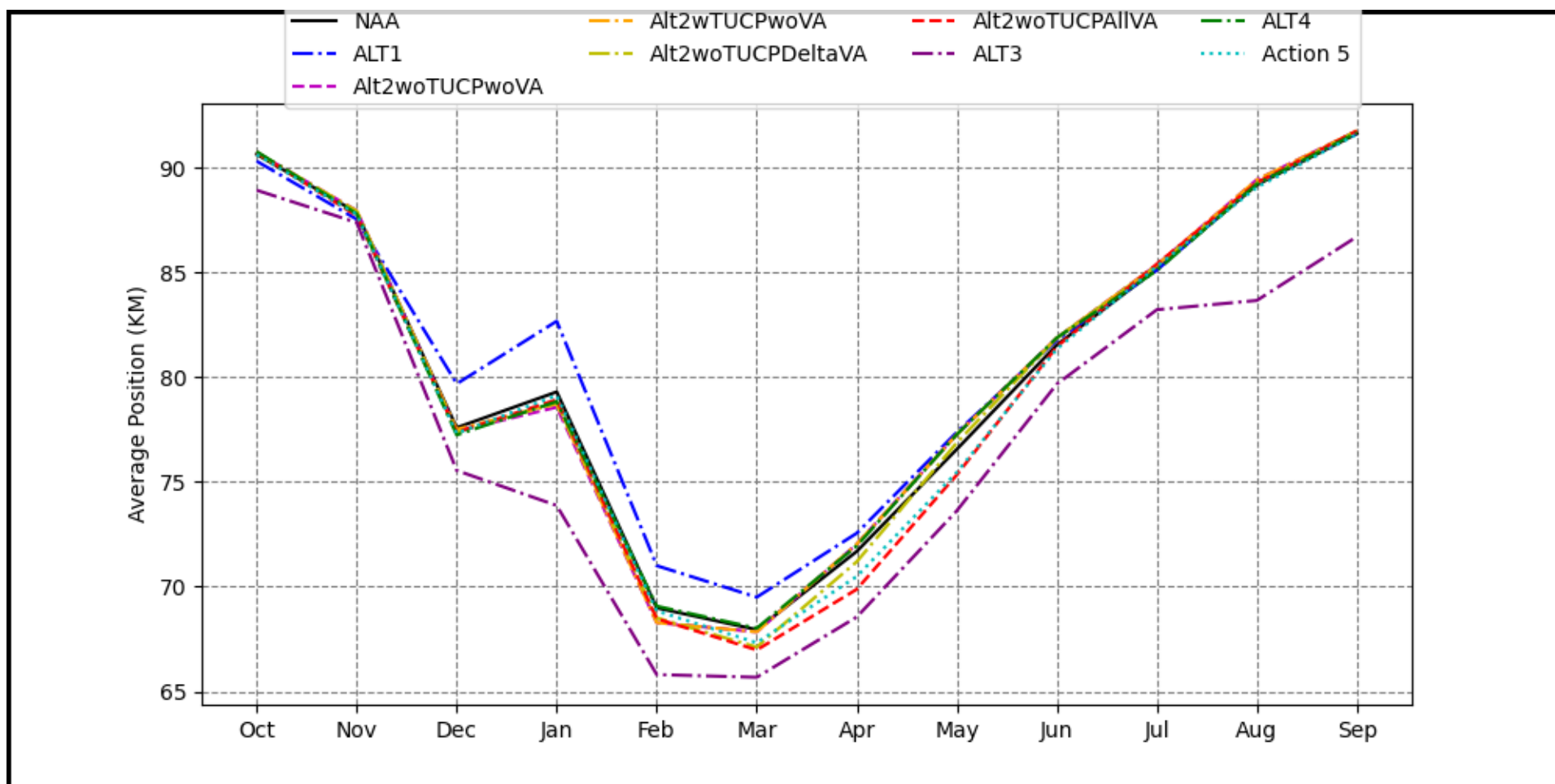


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.6-3-16 X2, Below Normal Year Average Position (KM)

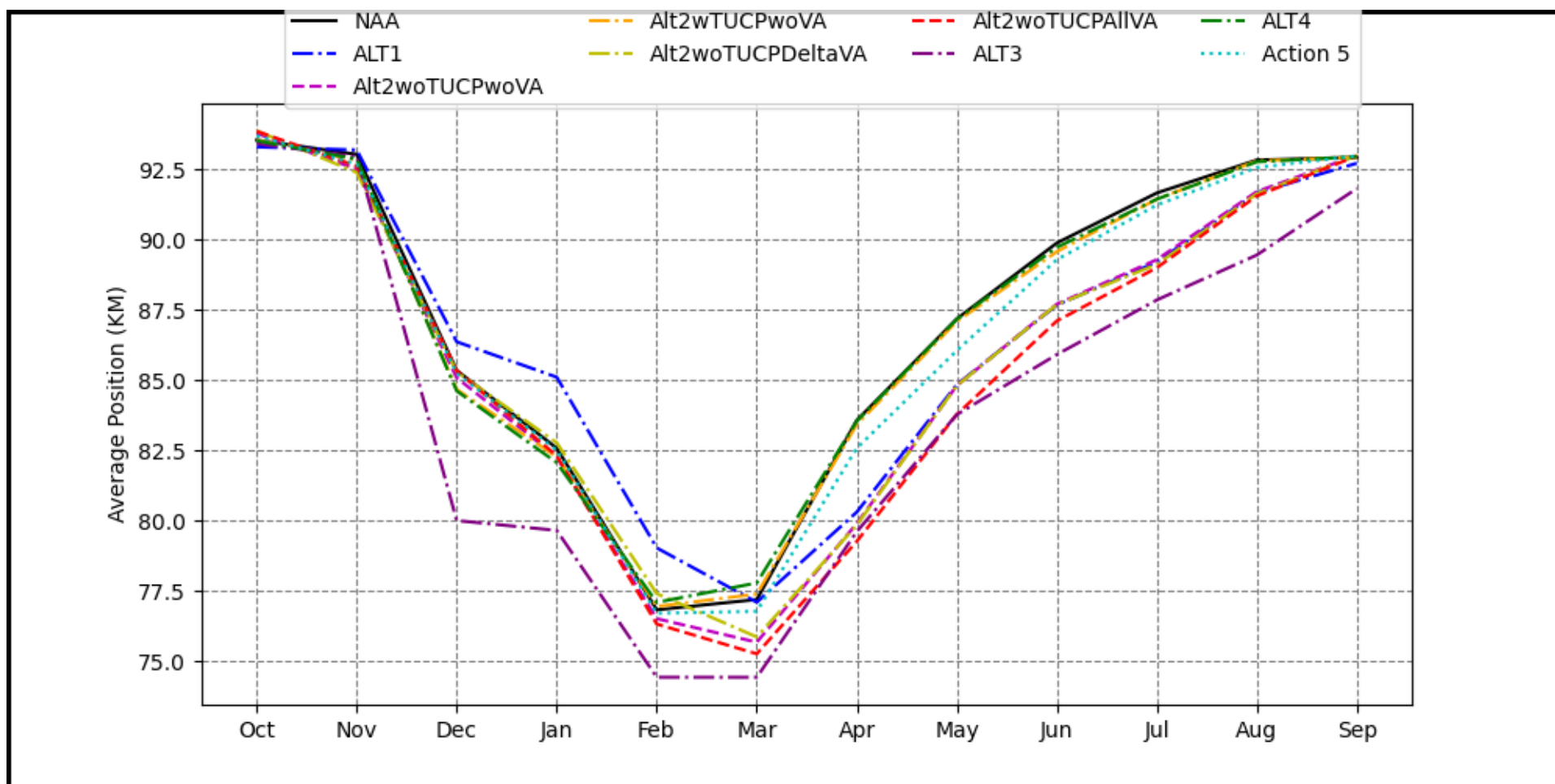


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.6-3-17 X2, Dry Year Average Position (KM)



*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.6-3-18 X2, Critical Year Average Position (KM)

Appendix F, Modeling

Attachment F.2-7

DSM2 – Chloride

F.2.7-1 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)
- Alt2woTUCPDeltaVA 091324 (Alt2woTUCPwoVA)
- Alt2woTUCPDeltaVA 091324 (Alt2woTUCPDeltaVA)
- Alt2woTUCPAIIVA 091324 (Alt2woTUCPAIIVA)
- Alt2wTUCPwoVA 091324 (Alt2wTUCPwoVA)
- Alt3 101323 (ALT3)
- Alt4 091624 (ALT4)
- Action 5 052125 (Action 5)

Section	Output Parameters	Table Numbers	Figure Numbers
Chloride	Contra Costa Pumping Plant Chloride	F.2.7-1-1a to F.2.7-1-8c	F.2.7-1-1 to F.2.7-1-18
Chloride	San Joaquin River at Antioch Chloride	F.2.7-2-1a to F.2.7-2-8c	F.2.7-2-1 to F.2.7-2-18
Chloride	Banks Pumping Plant South Delta Exports Chloride	F.2.7-3-1a to F.2.7-3-8c	F.2.7-3-1 to F.2.7-3-18
Chloride	Jones Pumping Plant South Delta Exports Chloride	F.2.7-4-1a to F.2.7-4-8c	F.2.7-4-1 to F.2.7-4-18

Section	Output Parameters	Table Numbers	Figure Numbers
Chloride	North Bay Aqueduct Chloride	F.2.7-5-1a to F.2.7-5-8c	F.2.7-5-1 to F.2.7-5-18

F.2.7-2 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.

F.2.7-3 Contra Costa Pumping Plant Chloride

Table F.2.7-3-1 a. Contra Costa Pumping Plant Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	186	218	224	216	115	50	55	60	83	129	142	165
20% Exceedance	172	193	213	162	91	42	49	44	29	55	100	149
30% Exceedance	164	164	202	122	59	37	40	38	28	45	84	137
40% Exceedance	155	153	191	104	44	34	38	35	27	40	73	126
50% Exceedance	136	134	172	77	38	31	36	32	26	35	57	114
60% Exceedance	23	46	115	43	31	29	32	30	25	27	44	48
70% Exceedance	22	42	93	31	28	28	30	28	24	24	34	41
80% Exceedance	21	35	75	26	25	26	28	27	22	23	28	34
90% Exceedance	21	27	39	22	22	24	25	21	17	21	27	30
Full Simulation Period Average^a	103	113	146	93	57	36	39	39	37	49	70	96
Wet Years (27.7%)	22	37	117	38	36	27	27	23	20	23	30	34
Above Normal Years (13.9%)	22	37	141	75	38	32	41	34	25	25	32	38
Below Normal Years (17.8%)	146	146	140	96	46	33	39	34	26	37	70	133
Dry Years (23.8%)	165	157	146	129	70	36	36	35	27	48	86	127
Critical Years (15.8%)	185	221	213	147	102	59	59	81	106	128	150	164

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-3-1 b. Contra Costa Pumping Plant Chloride, ALT1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	189	236	239	219	175	63	50	45	55	82	105	148
20% Exceedance	176	202	229	191	126	49	38	36	29	51	91	144
30% Exceedance	168	185	219	164	92	40	33	32	28	44	86	140
40% Exceedance	161	178	205	127	63	31	30	30	26	37	76	137
50% Exceedance	153	169	180	92	36	28	29	29	24	32	68	133
60% Exceedance	149	163	153	55	30	25	27	26	23	26	60	129
70% Exceedance	145	148	128	33	26	24	26	25	22	25	54	124
80% Exceedance	136	120	89	24	22	23	24	23	21	23	43	115
90% Exceedance	111	87	35	20	20	21	22	17	17	21	37	97
Full Simulation Period Average^a	152	164	162	107	73	37	33	31	32	41	71	127
Wet Years (27.7%)	129	132	136	40	35	27	25	20	19	22	44	113
Above Normal Years (13.9%)	146	149	165	85	35	26	31	28	23	24	55	135
Below Normal Years (17.8%)	145	153	148	107	62	31	29	28	25	35	74	123
Dry Years (23.8%)	161	167	163	159	103	39	32	31	27	48	87	131
Critical Years (15.8%)	195	244	223	164	138	72	55	56	76	88	103	145

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-3-1 c. Contra Costa Pumping Plant Chloride, ALT1 Minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3	18	15	2	60	14	-5	-15	-28	-47	-37	-17
20% Exceedance	4	9	16	29	35	7	-11	-9	0	-4	-9	-5
30% Exceedance	4	21	17	42	33	3	-6	-6	0	-1	2	3
40% Exceedance	6	24	14	23	20	-3	-7	-5	-1	-4	4	11
50% Exceedance	18	35	8	15	-2	-3	-7	-3	-2	-3	11	19
60% Exceedance	125	117	38	11	-1	-4	-5	-3	-2	-1	16	82
70% Exceedance	122	106	34	3	-2	-4	-4	-3	-2	0	20	84
80% Exceedance	114	84	14	-2	-3	-3	-4	-4	-1	0	15	81
90% Exceedance	91	60	-4	-2	-2	-3	-3	-4	0	0	10	67
Full Simulation Period Average^a	49	51	16	14	16	1	-5	-8	-6	-7	0	32
Wet Years (27.7%)	107	95	19	2	-1	-1	-3	-3	-1	0	13	78
Above Normal Years (13.9%)	124	112	24	10	-3	-6	-10	-6	-2	-1	23	97
Below Normal Years (17.8%)	-1	8	8	11	17	-2	-10	-6	-1	-3	4	-10
Dry Years (23.8%)	-3	10	16	29	33	3	-4	-4	0	0	2	4
Critical Years (15.8%)	10	23	10	17	36	13	-4	-26	-30	-40	-47	-18

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-3-2 a. Contra Costa Pumping Plant Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	186	218	224	216	115	50	55	60	83	129	142	165
20% Exceedance	172	193	213	162	91	42	49	44	29	55	100	149
30% Exceedance	164	164	202	122	59	37	40	38	28	45	84	137
40% Exceedance	155	153	191	104	44	34	38	35	27	40	73	126
50% Exceedance	136	134	172	77	38	31	36	32	26	35	57	114
60% Exceedance	23	46	115	43	31	29	32	30	25	27	44	48
70% Exceedance	22	42	93	31	28	28	30	28	24	24	34	41
80% Exceedance	21	35	75	26	25	26	28	27	22	23	28	34
90% Exceedance	21	27	39	22	22	24	25	21	17	21	27	30
Full Simulation Period Average^a	103	113	146	93	57	36	39	39	37	49	70	96
Wet Years (27.7%)	22	37	117	38	36	27	27	23	20	23	30	34
Above Normal Years (13.9%)	22	37	141	75	38	32	41	34	25	25	32	38
Below Normal Years (17.8%)	146	146	140	96	46	33	39	34	26	37	70	133
Dry Years (23.8%)	165	157	146	129	70	36	36	35	27	48	86	127
Critical Years (15.8%)	185	221	213	147	102	59	59	81	106	128	150	164

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-3-2 b. Contra Costa Pumping Plant Chloride, Alt2woTUCPwoVA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	196	221	224	206	122	59	48	46	53	86	109	149
20% Exceedance	183	191	211	162	79	42	40	37	29	54	93	143
30% Exceedance	167	165	197	122	57	37	36	32	29	44	84	136
40% Exceedance	154	153	185	95	44	35	33	30	28	39	74	130
50% Exceedance	138	130	168	75	40	32	31	29	26	36	61	116
60% Exceedance	25	49	109	44	32	30	29	27	24	26	48	53
70% Exceedance	23	41	95	32	29	28	28	26	23	25	38	47
80% Exceedance	21	35	72	26	26	26	27	24	22	23	30	38
90% Exceedance	20	27	38	22	23	23	23	18	17	21	28	31
Full Simulation Period Average^a	107	113	142	92	56	37	34	31	32	42	65	95
Wet Years (27.7%)	22	38	116	36	36	27	24	20	20	23	32	37
Above Normal Years (13.9%)	22	36	138	74	40	32	32	28	24	26	38	43
Below Normal Years (17.8%)	150	145	137	97	46	33	33	29	26	38	73	131
Dry Years (23.8%)	168	160	147	125	66	36	34	32	28	49	90	134
Critical Years (15.8%)	203	220	197	149	99	63	53	54	74	87	102	146

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-3-2 c. Contra Costa Pumping Plant Chloride, Alt2woTUCPwoVA Minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	11	3	0	-11	7	10	-7	-14	-30	-43	-33	-16
20% Exceedance	11	-2	-2	0	-12	1	-9	-7	0	-1	-8	-6
30% Exceedance	3	1	-5	-1	-2	1	-4	-6	1	-1	0	-1
40% Exceedance	-1	0	-6	-9	1	1	-5	-5	0	-1	1	4
50% Exceedance	2	-4	-3	-2	3	1	-5	-3	0	1	4	2
60% Exceedance	2	3	-6	0	1	0	-3	-3	-1	0	4	6
70% Exceedance	1	-1	1	1	1	0	-1	-3	-1	0	5	6
80% Exceedance	0	-1	-2	0	0	0	-2	-3	-1	0	2	4
90% Exceedance	0	-1	-2	0	0	-1	-2	-3	0	0	1	1
Full Simulation Period Average^a	4	0	-3	-1	-1	1	-5	-8	-5	-6	-5	0
Wet Years (27.7%)	0	0	-1	-1	0	0	-3	-3	0	0	2	2
Above Normal Years (13.9%)	0	-1	-4	-1	2	0	-9	-6	-1	1	6	5
Below Normal Years (17.8%)	4	-1	-3	0	1	0	-6	-5	0	1	3	-2
Dry Years (23.8%)	3	3	1	-4	-5	0	-2	-3	0	1	4	6
Critical Years (15.8%)	18	-1	-16	3	-3	4	-6	-27	-32	-41	-48	-18

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-3-3 a. Contra Costa Pumping Plant Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	186	218	224	216	115	50	55	60	83	129	142	165
20% Exceedance	172	193	213	162	91	42	49	44	29	55	100	149
30% Exceedance	164	164	202	122	59	37	40	38	28	45	84	137
40% Exceedance	155	153	191	104	44	34	38	35	27	40	73	126
50% Exceedance	136	134	172	77	38	31	36	32	26	35	57	114
60% Exceedance	23	46	115	43	31	29	32	30	25	27	44	48
70% Exceedance	22	42	93	31	28	28	30	28	24	24	34	41
80% Exceedance	21	35	75	26	25	26	28	27	22	23	28	34
90% Exceedance	21	27	39	22	22	24	25	21	17	21	27	30
Full Simulation Period Average^a	103	113	146	93	57	36	39	39	37	49	70	96
Wet Years (27.7%)	22	37	117	38	36	27	27	23	20	23	30	34
Above Normal Years (13.9%)	22	37	141	75	38	32	41	34	25	25	32	38
Below Normal Years (17.8%)	146	146	140	96	46	33	39	34	26	37	70	133
Dry Years (23.8%)	165	157	146	129	70	36	36	35	27	48	86	127
Critical Years (15.8%)	185	221	213	147	102	59	59	81	106	128	150	164

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-3-3 b. Contra Costa Pumping Plant Chloride, Alt2wTUCPwoVA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	189	219	224	196	122	54	48	52	86	124	145	163
20% Exceedance	174	188	212	158	77	42	40	37	29	55	100	147
30% Exceedance	162	165	200	132	58	37	36	32	29	46	86	139
40% Exceedance	154	152	187	95	46	34	33	30	28	40	81	131
50% Exceedance	136	133	170	72	38	32	31	29	26	37	58	118
60% Exceedance	25	49	113	44	32	29	29	27	24	27	50	53
70% Exceedance	23	41	94	32	29	28	28	25	23	25	38	47
80% Exceedance	21	35	73	26	26	26	27	24	22	23	31	38
90% Exceedance	20	27	38	22	23	23	23	18	17	21	28	31
Full Simulation Period Average^a	104	113	144	91	57	37	35	35	37	48	72	98
Wet Years (27.7%)	22	38	116	36	36	27	24	20	20	23	32	37
Above Normal Years (13.9%)	22	36	138	74	41	32	32	28	24	26	38	43
Below Normal Years (17.8%)	148	143	138	94	46	33	33	29	26	38	73	132
Dry Years (23.8%)	167	159	149	129	66	36	34	32	28	49	90	134
Critical Years (15.8%)	186	222	202	141	104	64	59	79	103	121	142	160

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-3-3 c. Contra Costa Pumping Plant Chloride, Alt2wTUCPwoVA Minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4	1	-1	-20	7	4	-7	-8	3	-4	3	-2
20% Exceedance	2	-4	-1	-4	-14	0	-9	-7	0	0	0	-2
30% Exceedance	-2	1	-2	10	-2	1	-4	-6	1	1	2	2
40% Exceedance	-1	-1	-4	-8	3	0	-5	-5	0	-1	8	5
50% Exceedance	1	-2	-2	-5	1	1	-5	-3	0	1	1	4
60% Exceedance	2	3	-2	0	1	0	-3	-3	-1	0	6	6
70% Exceedance	1	-1	1	1	1	0	-1	-3	-1	0	5	6
80% Exceedance	0	-1	-2	0	0	0	-2	-3	-1	0	2	4
90% Exceedance	0	0	-2	0	0	-1	-2	-3	0	0	1	1
Full Simulation Period Average^a	1	0	-2	-2	0	1	-4	-4	-1	-1	2	2
Wet Years (27.7%)	0	0	-1	-1	0	0	-3	-3	0	0	2	2
Above Normal Years (13.9%)	0	-1	-3	-1	3	1	-9	-6	-1	1	6	5
Below Normal Years (17.8%)	2	-2	-2	-2	0	0	-6	-6	0	0	3	-1
Dry Years (23.8%)	3	2	2	-1	-4	0	-2	-3	0	1	5	7
Critical Years (15.8%)	1	1	-11	-6	2	5	0	-3	-3	-7	-8	-4

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-3-4 a. Contra Costa Pumping Plant Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	186	218	224	216	115	50	55	60	83	129	142	165
20% Exceedance	172	193	213	162	91	42	49	44	29	55	100	149
30% Exceedance	164	164	202	122	59	37	40	38	28	45	84	137
40% Exceedance	155	153	191	104	44	34	38	35	27	40	73	126
50% Exceedance	136	134	172	77	38	31	36	32	26	35	57	114
60% Exceedance	23	46	115	43	31	29	32	30	25	27	44	48
70% Exceedance	22	42	93	31	28	28	30	28	24	24	34	41
80% Exceedance	21	35	75	26	25	26	28	27	22	23	28	34
90% Exceedance	21	27	39	22	22	24	25	21	17	21	27	30
Full Simulation Period Average^a	103	113	146	93	57	36	39	39	37	49	70	96
Wet Years (27.7%)	22	37	117	38	36	27	27	23	20	23	30	34
Above Normal Years (13.9%)	22	37	141	75	38	32	41	34	25	25	32	38
Below Normal Years (17.8%)	146	146	140	96	46	33	39	34	26	37	70	133
Dry Years (23.8%)	165	157	146	129	70	36	36	35	27	48	86	127
Critical Years (15.8%)	185	221	213	147	102	59	59	81	106	128	150	164

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-3-4 b. Contra Costa Pumping Plant Chloride, Alt2woTUCPDeltaVA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	199	218	224	195	124	60	62	46	52	87	112	157
20% Exceedance	184	186	213	162	84	49	54	42	31	56	102	146
30% Exceedance	166	166	199	125	58	46	48	38	29	45	86	141
40% Exceedance	154	149	187	102	44	42	46	36	28	40	76	131
50% Exceedance	143	133	160	77	40	40	42	33	26	36	65	122
60% Exceedance	25	49	108	44	32	37	38	31	24	26	50	53
70% Exceedance	23	42	95	32	29	33	34	28	24	25	37	46
80% Exceedance	21	39	73	26	26	27	30	25	22	23	29	37
90% Exceedance	21	27	38	22	23	23	24	18	17	21	28	31
Full Simulation Period Average^a	108	114	142	93	58	43	43	34	32	43	67	97
Wet Years (27.7%)	22	38	116	38	36	28	28	21	20	23	31	37
Above Normal Years (13.9%)	22	37	140	74	40	41	52	34	25	26	37	42
Below Normal Years (17.8%)	152	147	140	103	47	45	47	33	27	38	75	135
Dry Years (23.8%)	168	158	145	121	66	41	43	36	28	51	95	139
Critical Years (15.8%)	206	222	197	154	113	69	54	55	74	88	104	148

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-3-4 c. Contra Costa Pumping Plant Chloride, Alt2woTUCPDeltaVA Minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	14	0	-1	-22	9	10	7	-14	-31	-42	-30	-9
20% Exceedance	12	-6	0	-1	-7	7	4	-3	2	1	1	-2
30% Exceedance	2	2	-3	2	-1	9	8	0	1	-1	2	4
40% Exceedance	-1	-4	-4	-2	1	8	8	1	1	0	4	5
50% Exceedance	7	-1	-12	0	3	9	6	1	0	1	7	7
60% Exceedance	2	3	-7	0	1	7	6	1	-1	-1	6	5
70% Exceedance	0	-1	1	1	1	5	4	-1	0	0	3	5
80% Exceedance	0	3	-1	0	0	1	2	-2	0	0	1	3
90% Exceedance	0	0	-2	0	0	-1	-1	-3	0	0	1	1
Full Simulation Period Average^a	5	1	-3	0	1	6	4	-5	-5	-6	-3	2
Wet Years (27.7%)	0	1	-1	0	0	1	1	-2	0	0	1	2
Above Normal Years (13.9%)	0	0	-2	-1	2	9	11	1	0	1	4	4
Below Normal Years (17.8%)	6	2	1	6	1	12	8	-1	0	1	5	2
Dry Years (23.8%)	3	1	-1	-8	-4	5	7	2	1	2	9	12
Critical Years (15.8%)	21	1	-16	7	11	10	-5	-27	-32	-40	-46	-16

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-3-5 a. Contra Costa Pumping Plant Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	186	218	224	216	115	50	55	60	83	129	142	165
20% Exceedance	172	193	213	162	91	42	49	44	29	55	100	149
30% Exceedance	164	164	202	122	59	37	40	38	28	45	84	137
40% Exceedance	155	153	191	104	44	34	38	35	27	40	73	126
50% Exceedance	136	134	172	77	38	31	36	32	26	35	57	114
60% Exceedance	23	46	115	43	31	29	32	30	25	27	44	48
70% Exceedance	22	42	93	31	28	28	30	28	24	24	34	41
80% Exceedance	21	35	75	26	25	26	28	27	22	23	28	34
90% Exceedance	21	27	39	22	22	24	25	21	17	21	27	30
Full Simulation Period Average^a	103	113	146	93	57	36	39	39	37	49	70	96
Wet Years (27.7%)	22	37	117	38	36	27	27	23	20	23	30	34
Above Normal Years (13.9%)	22	37	141	75	38	32	41	34	25	25	32	38
Below Normal Years (17.8%)	146	146	140	96	46	33	39	34	26	37	70	133
Dry Years (23.8%)	165	157	146	129	70	36	36	35	27	48	86	127
Critical Years (15.8%)	185	221	213	147	102	59	59	81	106	128	150	164

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-3-5 b. Contra Costa Pumping Plant Chloride, Alt2woTUCPAIIVA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	197	218	226	194	122	59	64	45	45	83	111	152
20% Exceedance	182	188	213	159	81	49	52	41	30	54	101	146
30% Exceedance	165	166	200	123	58	46	48	37	28	44	85	139
40% Exceedance	154	149	187	102	44	42	46	34	27	40	74	131
50% Exceedance	143	132	159	76	39	39	41	32	25	34	61	119
60% Exceedance	25	49	110	44	32	36	38	30	24	26	48	53
70% Exceedance	23	41	95	32	29	33	34	27	23	25	35	45
80% Exceedance	21	39	74	26	26	27	29	25	22	23	29	36
90% Exceedance	21	27	37	22	23	23	24	18	17	21	27	31
Full Simulation Period Average^a	107	113	143	93	56	41	42	33	30	42	66	97
Wet Years (27.7%)	22	38	116	37	36	28	28	20	20	23	31	37
Above Normal Years (13.9%)	22	37	140	73	39	40	51	33	24	26	35	41
Below Normal Years (17.8%)	148	143	141	98	47	45	47	31	26	38	72	134
Dry Years (23.8%)	167	157	145	125	66	41	43	36	27	50	95	138
Critical Years (15.8%)	206	223	199	154	99	63	53	51	65	82	101	147

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-3-5 c. Contra Costa Pumping Plant Chloride, Alt2woTUCPALIVA Minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	12	0	1	-23	6	9	9	-15	-38	-46	-31	-13
20% Exceedance	10	-5	0	-3	-10	7	3	-4	0	-1	0	-2
30% Exceedance	1	2	-2	1	-2	9	8	-1	0	-1	0	2
40% Exceedance	-1	-5	-4	-2	0	8	8	-1	-1	0	1	5
50% Exceedance	8	-3	-13	-1	2	8	6	0	-1	-1	4	5
60% Exceedance	2	3	-5	0	1	7	6	0	-1	0	4	6
70% Exceedance	0	-1	2	2	0	5	4	-1	-1	0	1	4
80% Exceedance	0	3	-1	0	0	1	1	-2	0	0	1	2
90% Exceedance	0	-1	-2	0	0	-1	-1	-3	0	0	1	1
Full Simulation Period Average^a	4	0	-3	0	-1	5	4	-6	-7	-7	-5	1
Wet Years (27.7%)	0	1	-1	-1	0	0	1	-2	0	0	1	2
Above Normal Years (13.9%)	0	0	-1	-2	1	9	10	0	0	1	3	3
Below Normal Years (17.8%)	3	-3	1	2	1	12	8	-3	0	1	2	1
Dry Years (23.8%)	2	0	-1	-4	-4	5	7	1	0	2	9	11
Critical Years (15.8%)	21	2	-13	7	-2	4	-6	-31	-41	-46	-49	-17

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-3-6 a. Contra Costa Pumping Plant Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	186	218	224	216	115	50	55	60	83	129	142	165
20% Exceedance	172	193	213	162	91	42	49	44	29	55	100	149
30% Exceedance	164	164	202	122	59	37	40	38	28	45	84	137
40% Exceedance	155	153	191	104	44	34	38	35	27	40	73	126
50% Exceedance	136	134	172	77	38	31	36	32	26	35	57	114
60% Exceedance	23	46	115	43	31	29	32	30	25	27	44	48
70% Exceedance	22	42	93	31	28	28	30	28	24	24	34	41
80% Exceedance	21	35	75	26	25	26	28	27	22	23	28	34
90% Exceedance	21	27	39	22	22	24	25	21	17	21	27	30
Full Simulation Period Average^a	103	113	146	93	57	36	39	39	37	49	70	96
Wet Years (27.7%)	22	37	117	38	36	27	27	23	20	23	30	34
Above Normal Years (13.9%)	22	37	141	75	38	32	41	34	25	25	32	38
Below Normal Years (17.8%)	146	146	140	96	46	33	39	34	26	37	70	133
Dry Years (23.8%)	165	157	146	129	70	36	36	35	27	48	86	127
Critical Years (15.8%)	185	221	213	147	102	59	59	81	106	128	150	164

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-3-6 b. Contra Costa Pumping Plant Chloride, ALT3, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	140	209	182	123	84	84	87	82	57	54	60	89
20% Exceedance	92	146	171	84	59	73	80	73	48	42	34	38
30% Exceedance	77	128	163	69	51	64	73	68	46	37	31	33
40% Exceedance	64	111	135	56	46	55	63	64	43	34	29	30
50% Exceedance	47	89	84	48	44	45	58	60	41	31	28	29
60% Exceedance	26	28	45	40	39	35	49	55	37	30	27	27
70% Exceedance	21	24	29	33	34	30	46	49	33	29	26	23
80% Exceedance	20	24	27	28	29	27	40	30	26	28	25	22
90% Exceedance	19	23	25	24	25	24	19	13	15	23	25	21
Full Simulation Period Average^a	62	91	99	61	48	49	58	55	40	36	35	38
Wet Years (27.7%)	21	24	30	36	38	43	39	28	24	27	26	23
Above Normal Years (13.9%)	21	24	46	45	39	50	65	59	38	32	27	23
Below Normal Years (17.8%)	55	98	134	59	47	53	65	63	39	37	31	30
Dry Years (23.8%)	80	129	132	71	53	46	59	60	43	30	29	33
Critical Years (15.8%)	161	215	183	108	67	61	73	78	69	61	71	94

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-3-6 c. Contra Costa Pumping Plant Chloride, ALT3 Minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-45	-8	-42	-94	-31	34	32	21	-26	-75	-82	-76
20% Exceedance	-79	-46	-42	-78	-32	31	31	28	19	-13	-66	-111
30% Exceedance	-87	-36	-39	-53	-8	27	33	30	18	-9	-53	-104
40% Exceedance	-91	-43	-56	-47	2	21	26	29	16	-7	-43	-96
50% Exceedance	-89	-46	-88	-29	6	14	22	28	15	-4	-29	-85
60% Exceedance	3	-18	-70	-3	8	6	17	26	12	3	-17	-20
70% Exceedance	-1	-18	-64	2	6	3	16	20	9	4	-7	-18
80% Exceedance	-1	-12	-48	1	4	1	12	3	4	4	-3	-12
90% Exceedance	-1	-5	-14	1	3	0	-6	-8	-2	3	-2	-8
Full Simulation Period Average^a	-41	-22	-47	-31	-9	13	19	16	3	-13	-35	-58
Wet Years (27.7%)	0	-13	-87	-2	2	16	12	6	4	4	-4	-11
Above Normal Years (13.9%)	-1	-13	-95	-30	1	18	24	26	14	7	-5	-15
Below Normal Years (17.8%)	-91	-47	-6	-37	1	20	26	29	13	0	-39	-103
Dry Years (23.8%)	-85	-28	-15	-58	-18	9	23	26	15	-18	-57	-94
Critical Years (15.8%)	-24	-6	-29	-39	-35	2	14	-4	-37	-67	-79	-70

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-3-7 a. Contra Costa Pumping Plant Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	186	218	224	216	115	50	55	60	83	129	142	165
20% Exceedance	172	193	213	162	91	42	49	44	29	55	100	149
30% Exceedance	164	164	202	122	59	37	40	38	28	45	84	137
40% Exceedance	155	153	191	104	44	34	38	35	27	40	73	126
50% Exceedance	136	134	172	77	38	31	36	32	26	35	57	114
60% Exceedance	23	46	115	43	31	29	32	30	25	27	44	48
70% Exceedance	22	42	93	31	28	28	30	28	24	24	34	41
80% Exceedance	21	35	75	26	25	26	28	27	22	23	28	34
90% Exceedance	21	27	39	22	22	24	25	21	17	21	27	30
Full Simulation Period Average^a	103	113	146	93	57	36	39	39	37	49	70	96
Wet Years (27.7%)	22	37	117	38	36	27	27	23	20	23	30	34
Above Normal Years (13.9%)	22	37	141	75	38	32	41	34	25	25	32	38
Below Normal Years (17.8%)	146	146	140	96	46	33	39	34	26	37	70	133
Dry Years (23.8%)	165	157	146	129	70	36	36	35	27	48	86	127
Critical Years (15.8%)	185	221	213	147	102	59	59	81	106	128	150	164

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-3-7 b. Contra Costa Pumping Plant Chloride, ALT4, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	190	221	222	169	119	61	48	55	88	123	143	162
20% Exceedance	178	197	211	129	83	42	39	37	30	55	108	149
30% Exceedance	164	168	199	106	58	37	36	31	28	46	87	139
40% Exceedance	154	159	187	88	42	33	32	30	28	41	80	135
50% Exceedance	138	137	168	61	36	31	30	29	26	36	66	118
60% Exceedance	74	112	130	46	30	29	29	27	24	27	57	108
70% Exceedance	62	95	113	31	27	27	28	25	23	25	52	98
80% Exceedance	46	73	77	27	25	25	26	24	22	23	45	85
90% Exceedance	37	48	33	23	22	23	22	18	17	21	38	78
Full Simulation Period Average^a	117	134	148	81	55	36	34	35	37	48	77	118
Wet Years (27.7%)	52	87	127	35	36	27	24	20	20	23	43	80
Above Normal Years (13.9%)	46	75	156	51	36	32	31	28	24	26	54	96
Below Normal Years (17.8%)	149	146	138	79	41	32	33	29	26	38	72	133
Dry Years (23.8%)	167	161	148	110	69	37	34	31	28	50	92	135
Critical Years (15.8%)	190	224	195	143	98	59	59	79	104	124	143	160

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-3-7 c. Contra Costa Pumping Plant Chloride, ALT4 Minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4	3	-2	-48	3	11	-7	-5	5	-5	1	-3
20% Exceedance	6	5	-2	-33	-8	0	-10	-8	0	0	7	0
30% Exceedance	0	4	-3	-16	-2	0	-4	-7	0	1	3	2
40% Exceedance	-1	5	-4	-16	-2	0	-6	-5	0	1	8	8
50% Exceedance	2	3	-3	-16	-2	0	-6	-3	0	1	9	4
60% Exceedance	51	66	15	2	-1	-1	-3	-3	-1	0	13	60
70% Exceedance	39	53	20	0	-1	-1	-2	-3	-1	1	18	57
80% Exceedance	25	37	2	1	0	-1	-2	-3	-1	0	17	51
90% Exceedance	16	21	-7	1	0	-1	-3	-3	0	0	12	48
Full Simulation Period Average^a	14	21	3	-12	-2	0	-4	-4	0	0	7	22
Wet Years (27.7%)	31	50	11	-2	0	-1	-4	-3	0	0	12	46
Above Normal Years (13.9%)	25	38	14	-24	-3	1	-10	-6	-1	1	22	58
Below Normal Years (17.8%)	3	1	-2	-17	-4	-1	-6	-6	0	1	3	0
Dry Years (23.8%)	2	4	2	-19	-2	1	-2	-4	0	2	6	8
Critical Years (15.8%)	5	3	-17	-4	-4	0	-1	-3	-2	-5	-7	-4

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-3-8 a. Contra Costa Pumping Plant Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	186	218	224	216	115	50	55	60	83	129	142	165
20% Exceedance	172	193	213	162	91	42	49	44	29	55	100	149
30% Exceedance	164	164	202	122	59	37	40	38	28	45	84	137
40% Exceedance	155	153	191	104	44	34	38	35	27	40	73	126
50% Exceedance	136	134	172	77	38	31	36	32	26	35	57	114
60% Exceedance	23	46	115	43	31	29	32	30	25	27	44	48
70% Exceedance	22	42	93	31	28	28	30	28	24	24	34	41
80% Exceedance	21	35	75	26	25	26	28	27	22	23	28	34
90% Exceedance	21	27	39	22	22	24	25	21	17	21	27	30
Full Simulation Period Average^a	103	113	146	93	57	36	39	39	37	49	70	96
Wet Years (27.7%)	22	37	117	38	36	27	27	23	20	23	30	34
Above Normal Years (13.9%)	22	37	141	75	38	32	41	34	25	25	32	38
Below Normal Years (17.8%)	146	146	140	96	46	33	39	34	26	37	70	133
Dry Years (23.8%)	165	157	146	129	70	36	36	35	27	48	86	127
Critical Years (15.8%)	185	221	213	147	102	59	59	81	106	128	150	164

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-3-8 b. Contra Costa Pumping Plant Chloride, Action 5, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	193	219	231	190	118	57	56	50	78	118	141	166
20% Exceedance	176	200	221	137	89	44	51	40	29	62	114	152
30% Exceedance	165	175	209	126	61	40	45	36	28	47	91	146
40% Exceedance	162	168	196	102	43	37	41	33	27	43	83	140
50% Exceedance	158	158	176	72	35	33	38	31	25	34	66	138
60% Exceedance	153	153	140	47	30	31	35	29	24	26	56	133
70% Exceedance	147	147	118	32	28	28	31	27	23	25	49	128
80% Exceedance	138	135	93	26	25	25	28	24	22	23	40	121
90% Exceedance	120	100	41	23	22	22	26	18	17	21	37	113
Full Simulation Period Average^a	154	158	157	90	56	37	40	35	34	48	78	135
Wet Years (27.7%)	131	141	142	38	35	27	28	20	20	23	41	113
Above Normal Years (13.9%)	142	137	164	70	39	34	46	32	24	24	48	131
Below Normal Years (17.8%)	152	152	148	93	43	36	40	30	26	38	74	138
Dry Years (23.8%)	165	154	149	116	68	39	40	34	27	53	100	142
Critical Years (15.8%)	194	223	203	154	101	57	56	69	90	119	141	162

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-3-8 c. Contra Costa Pumping Plant Chloride, Action 5 Minus NAA, Monthly Cl (mg/L)

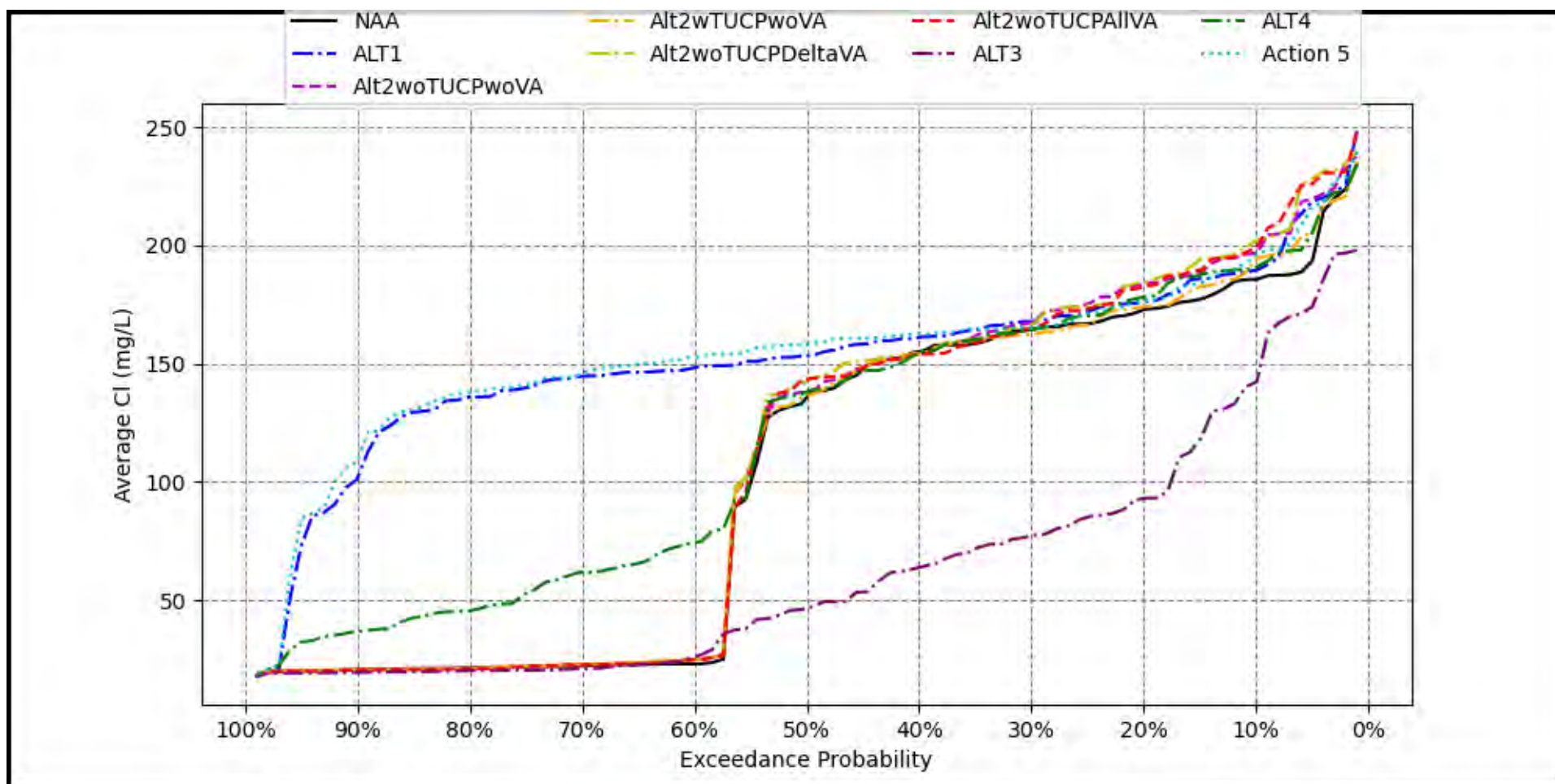
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7	1	7	-26	2	7	1	-10	-5	-10	-1	1
20% Exceedance	4	8	8	-25	-2	2	2	-4	0	7	14	4
30% Exceedance	1	11	7	4	2	3	5	-3	0	2	7	9
40% Exceedance	8	15	5	-2	0	3	3	-2	-1	2	10	14
50% Exceedance	23	24	4	-5	-3	2	2	-1	-1	-1	9	23
60% Exceedance	130	107	25	3	-1	2	3	0	-1	-1	12	85
70% Exceedance	124	105	24	2	-1	1	1	-1	-1	0	16	87
80% Exceedance	117	100	19	-1	-1	-1	0	-2	0	0	11	87
90% Exceedance	99	73	1	0	0	-1	1	-3	0	0	11	83
Full Simulation Period Average^a	51	45	12	-3	-1	1	1	-4	-3	0	8	39
Wet Years (27.7%)	109	103	25	1	0	0	1	-2	0	0	11	79
Above Normal Years (13.9%)	120	99	23	-5	1	2	5	-1	-1	-1	16	93
Below Normal Years (17.8%)	7	6	8	-4	-2	3	1	-4	-1	1	4	5
Dry Years (23.8%)	0	-3	2	-14	-2	2	4	0	0	5	14	15
Critical Years (15.8%)	9	2	-10	7	-1	-1	-4	-13	-16	-10	-9	-2

^a Based on the 100-year simulation period.

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

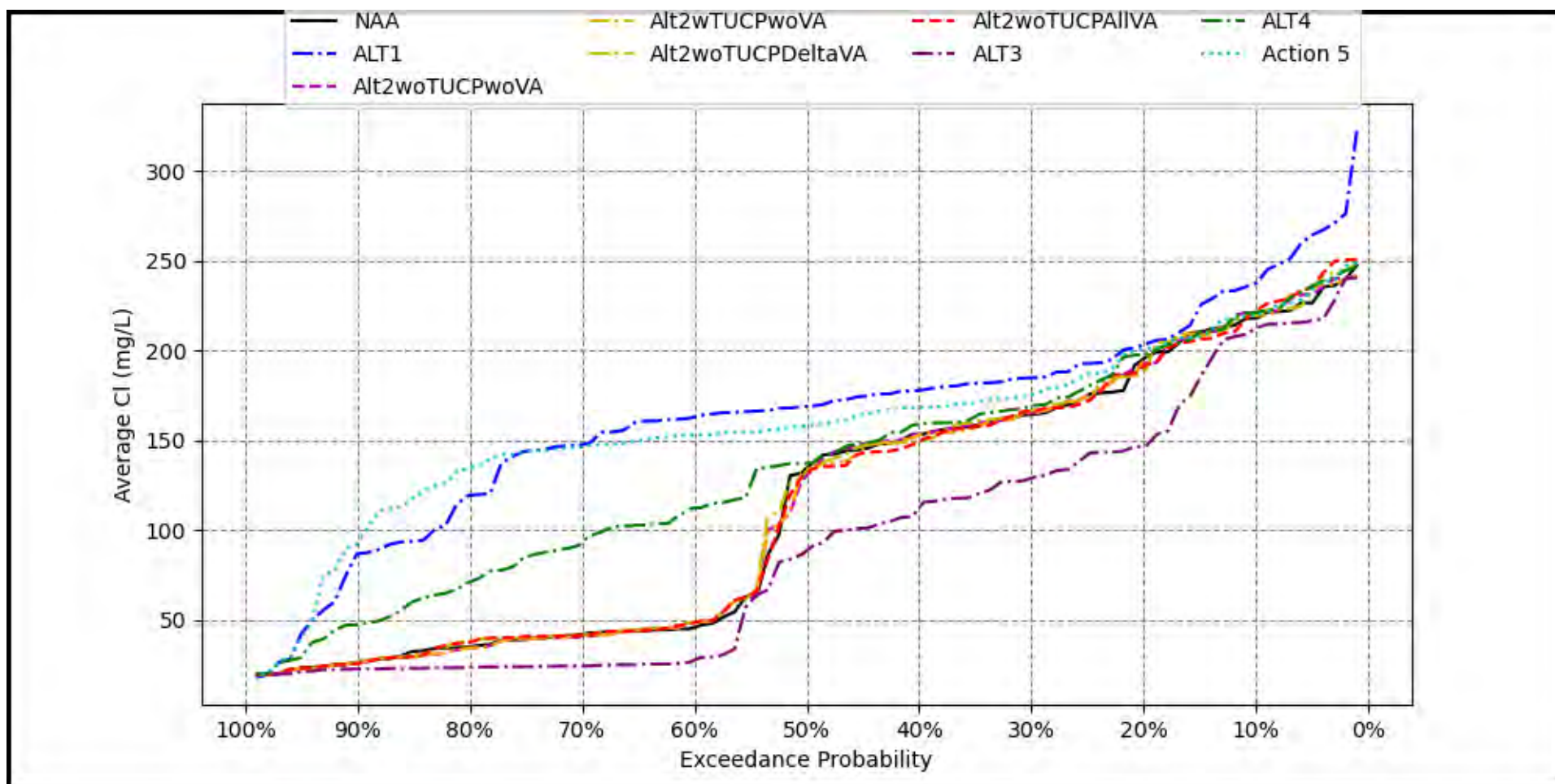
* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.



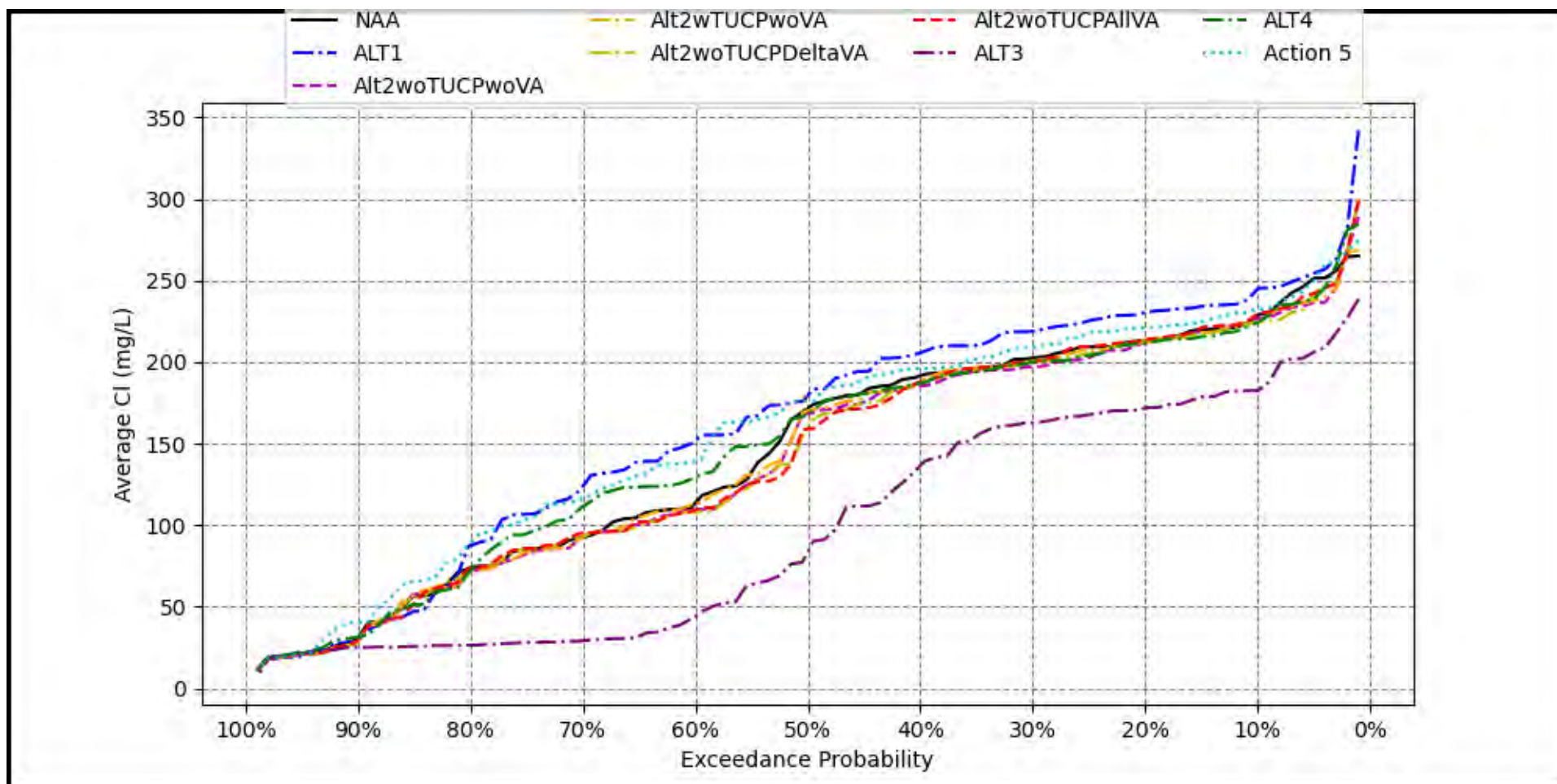
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-3-1 Contra Costa Pumping Plant Chloride, October Cl



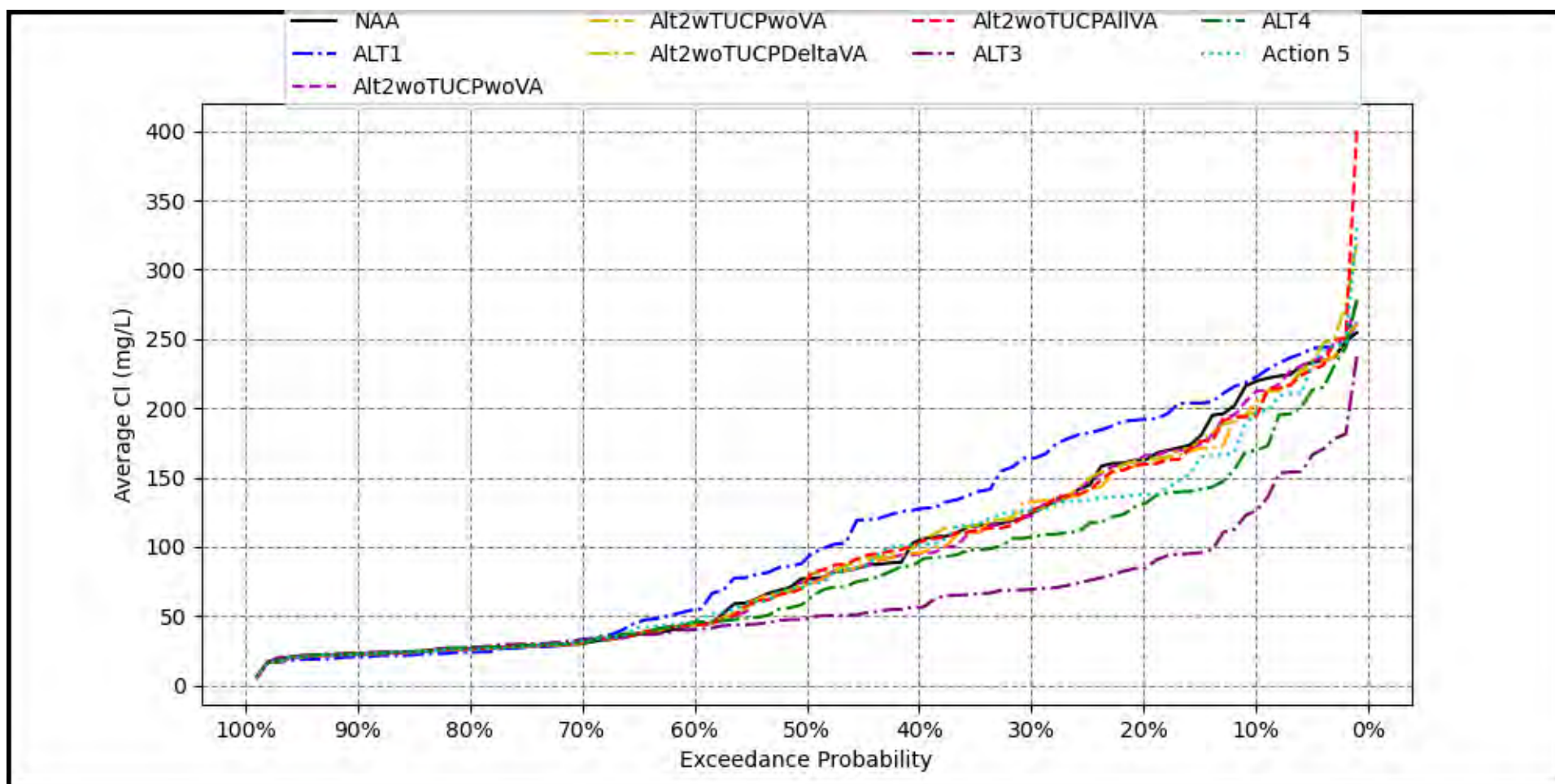
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-3-2 Contra Costa Pumping Plant Chloride, November Cl



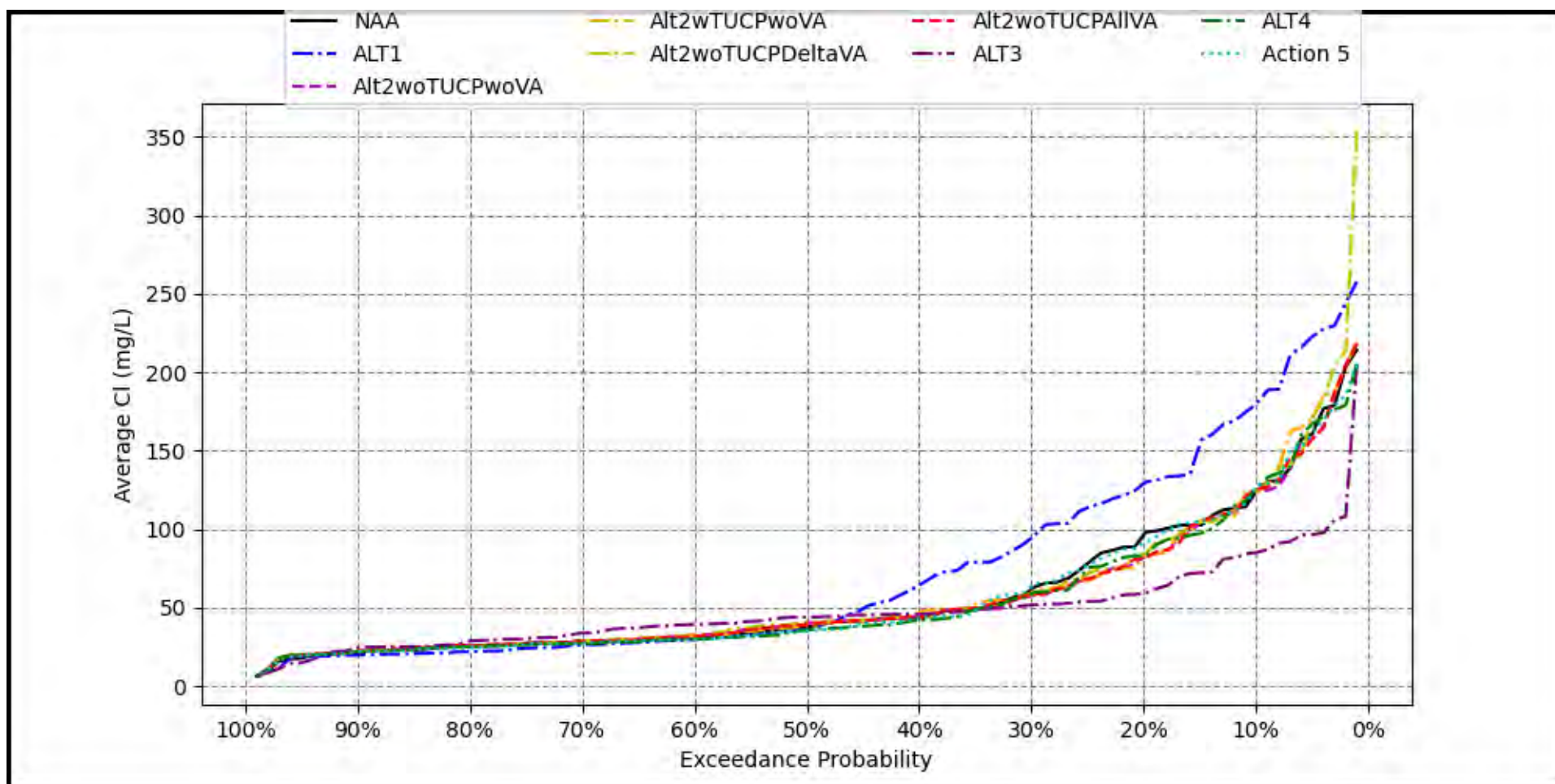
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-3-3 Contra Costa Pumping Plant Chloride, December Cl



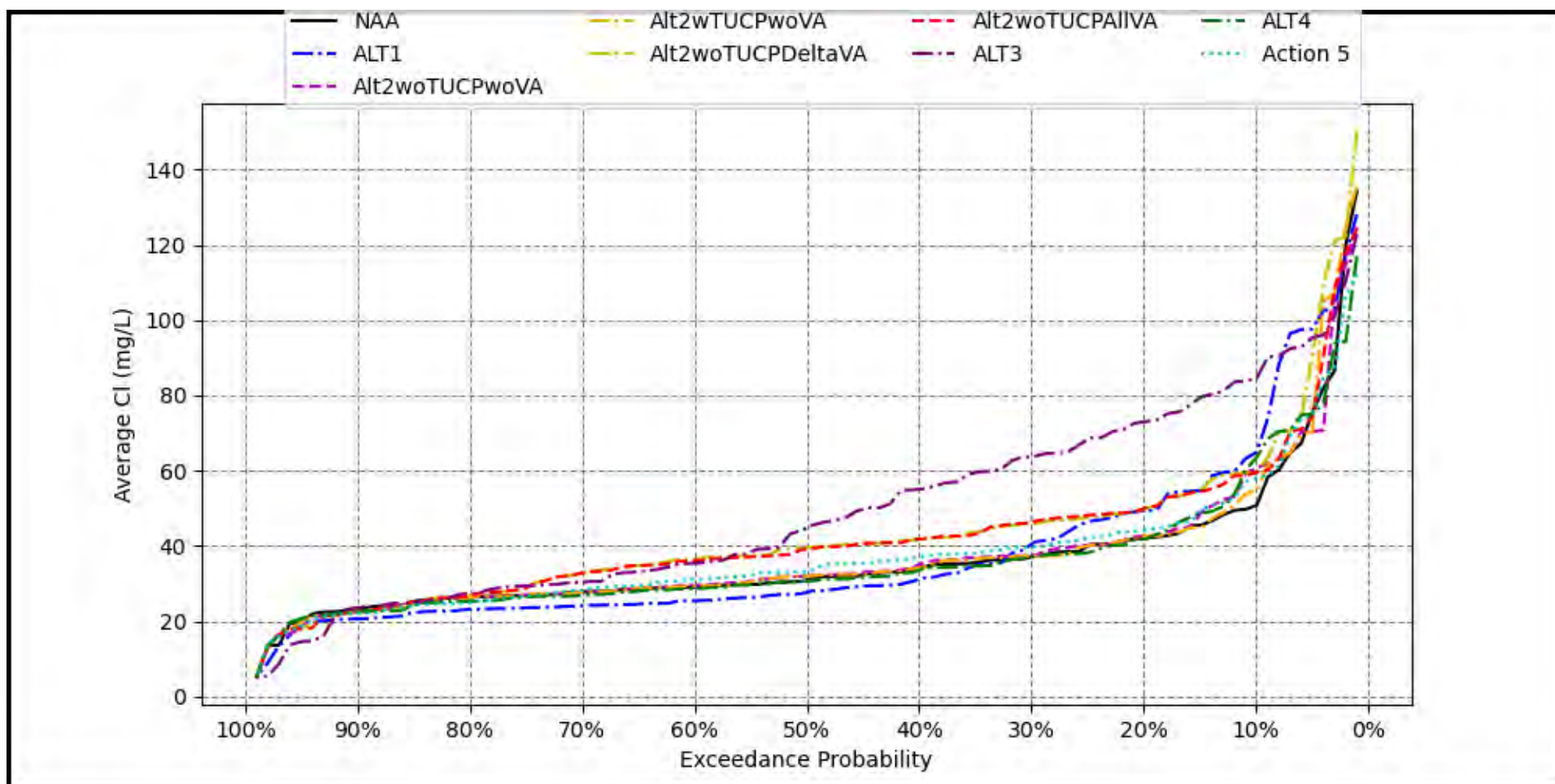
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-3-4 Contra Costa Pumping Plant Chloride, January Cl



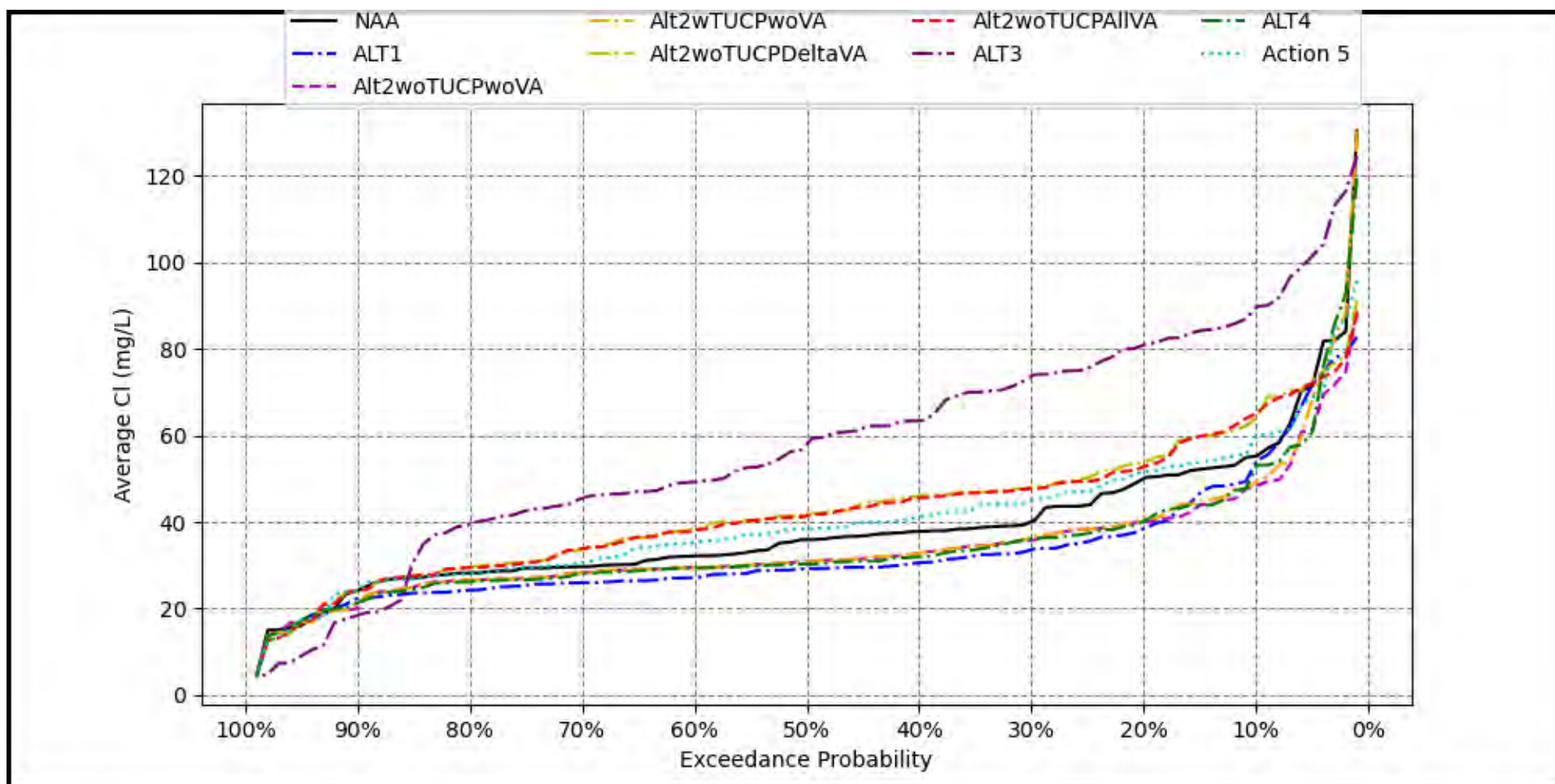
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-3-5 Contra Costa Pumping Plant Chloride, February Cl



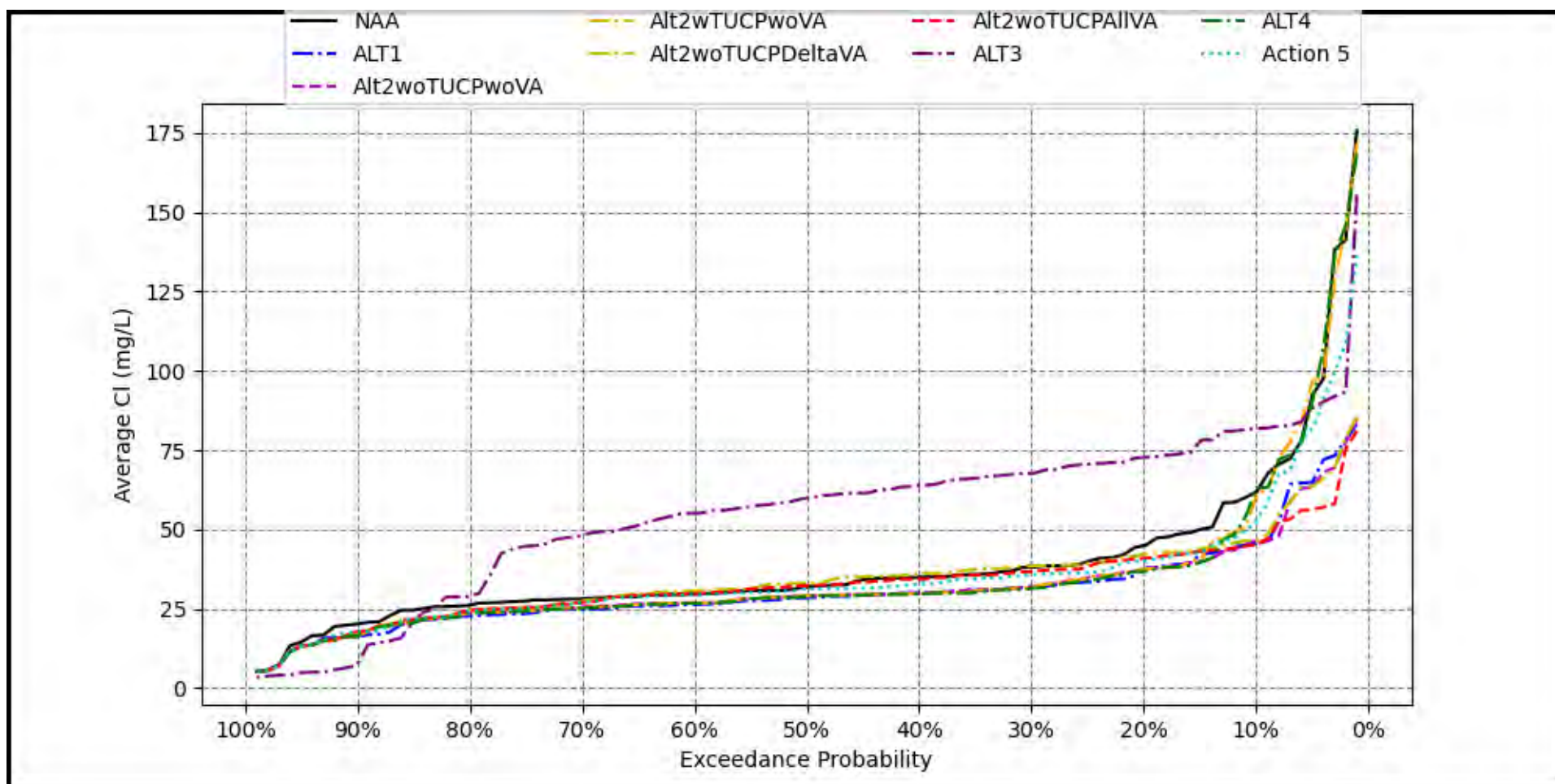
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-3-6 Contra Costa Pumping Plant Chloride, March Cl



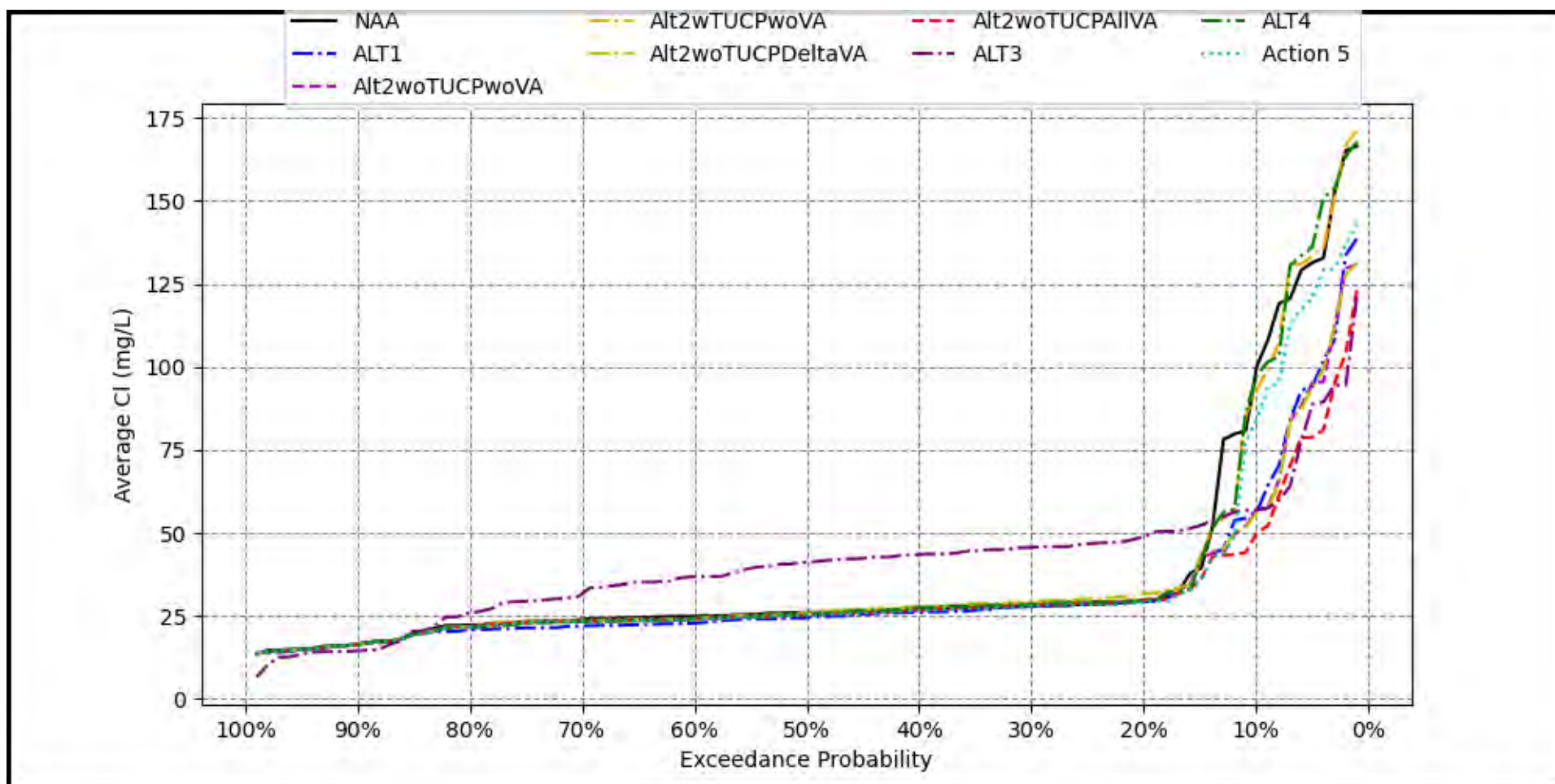
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-3-7 Contra Costa Pumping Plant Chloride, April Cl



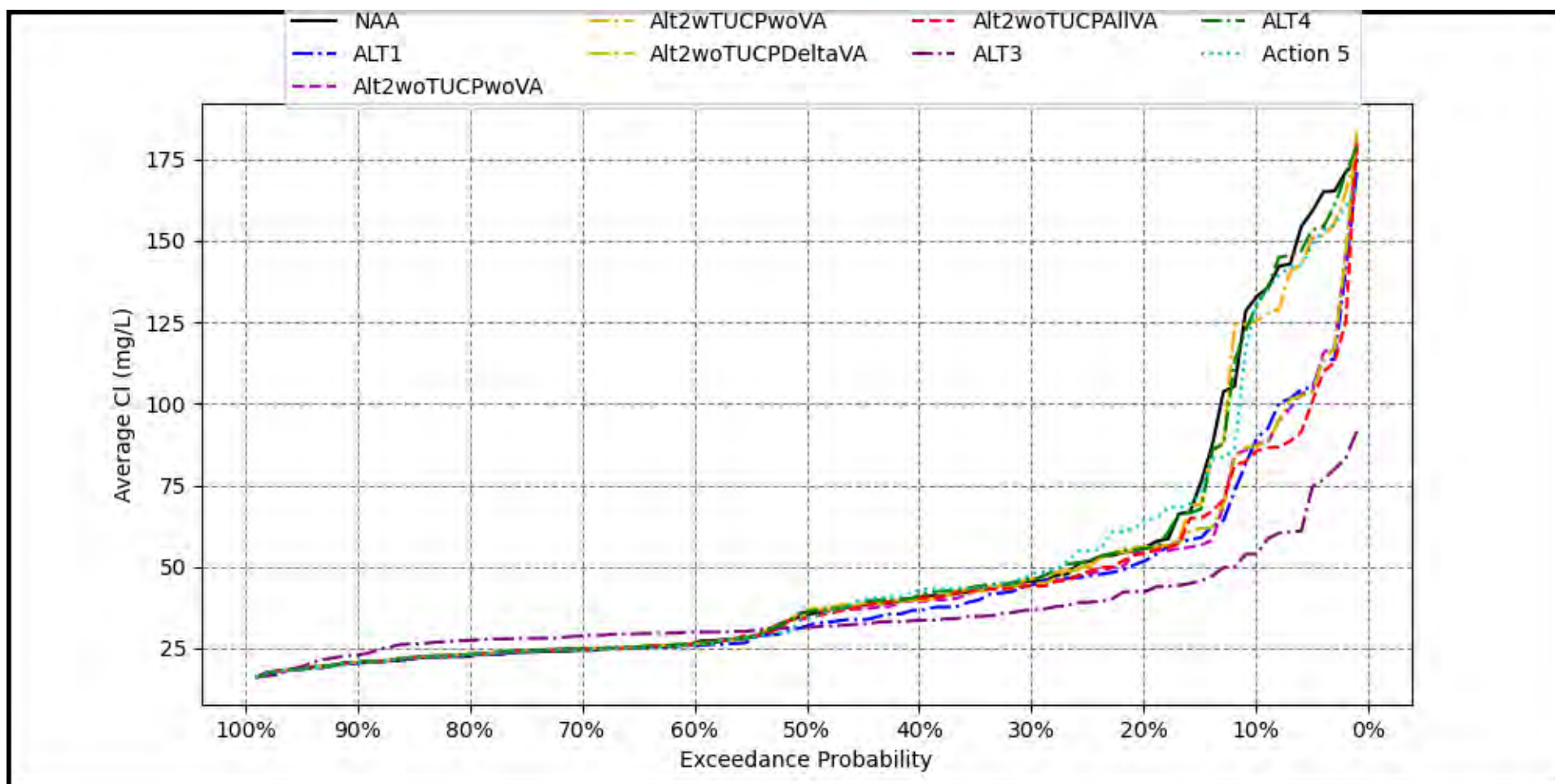
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-3-8 Contra Costa Pumping Plant Chloride, May Cl



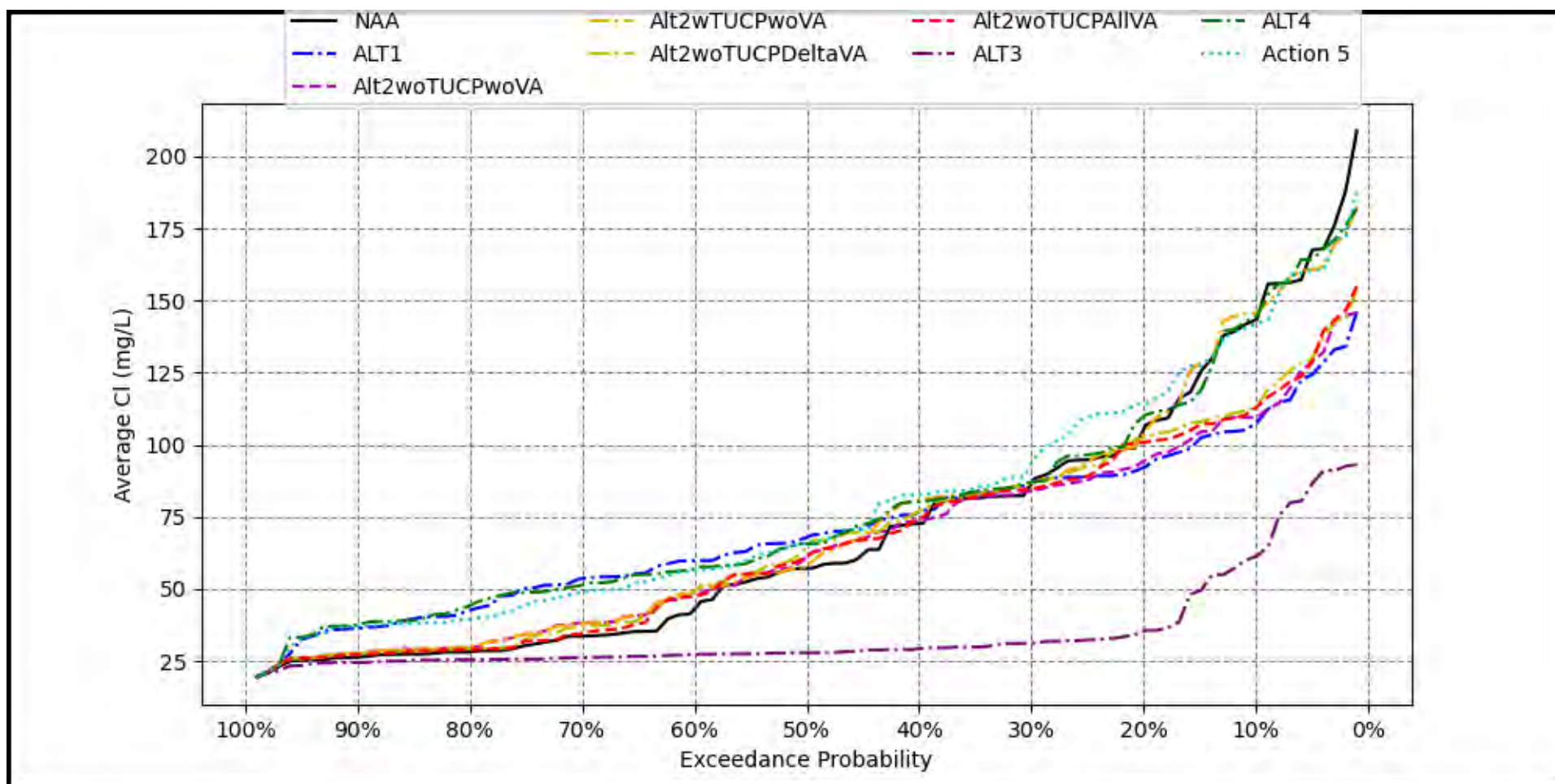
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-3-9 Contra Costa Pumping Plant Chloride, June Cl



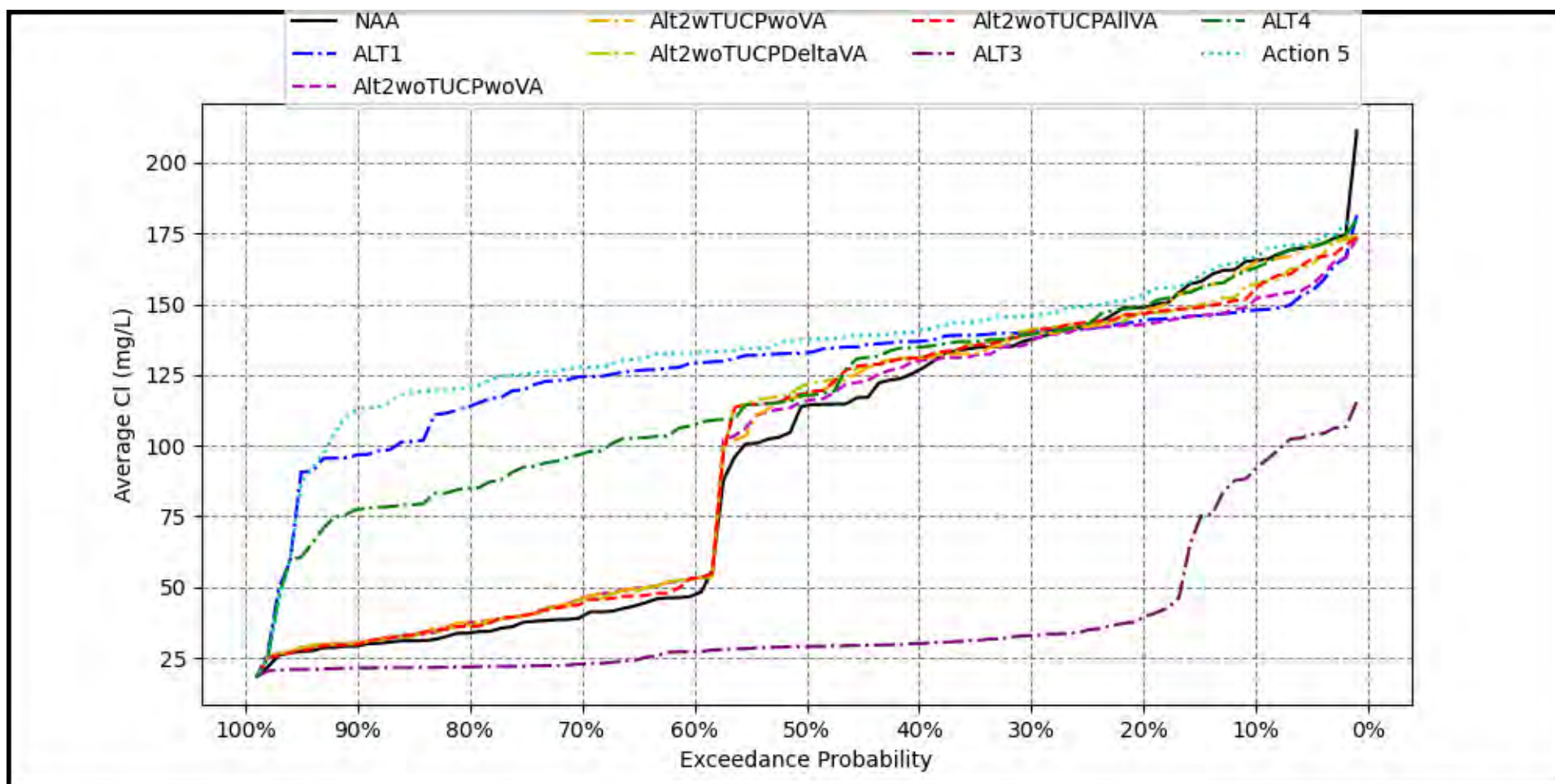
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-3-10 Contra Costa Pumping Plant Chloride, July Cl



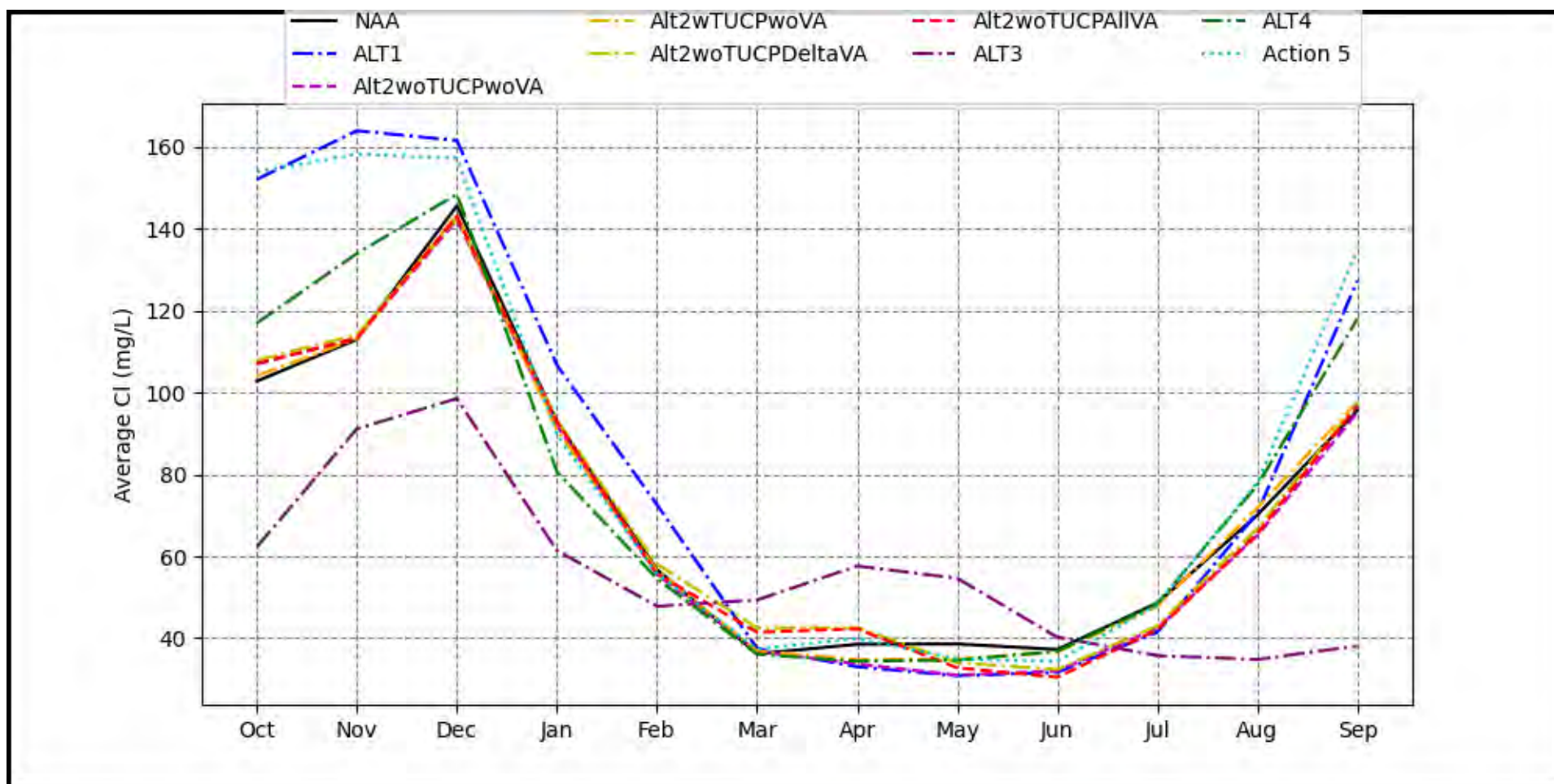
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-3-11 Contra Costa Pumping Plant Chloride, August Cl



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

Figure F.2.7-3-12 Contra Costa Pumping Plant Chloride, September Cl

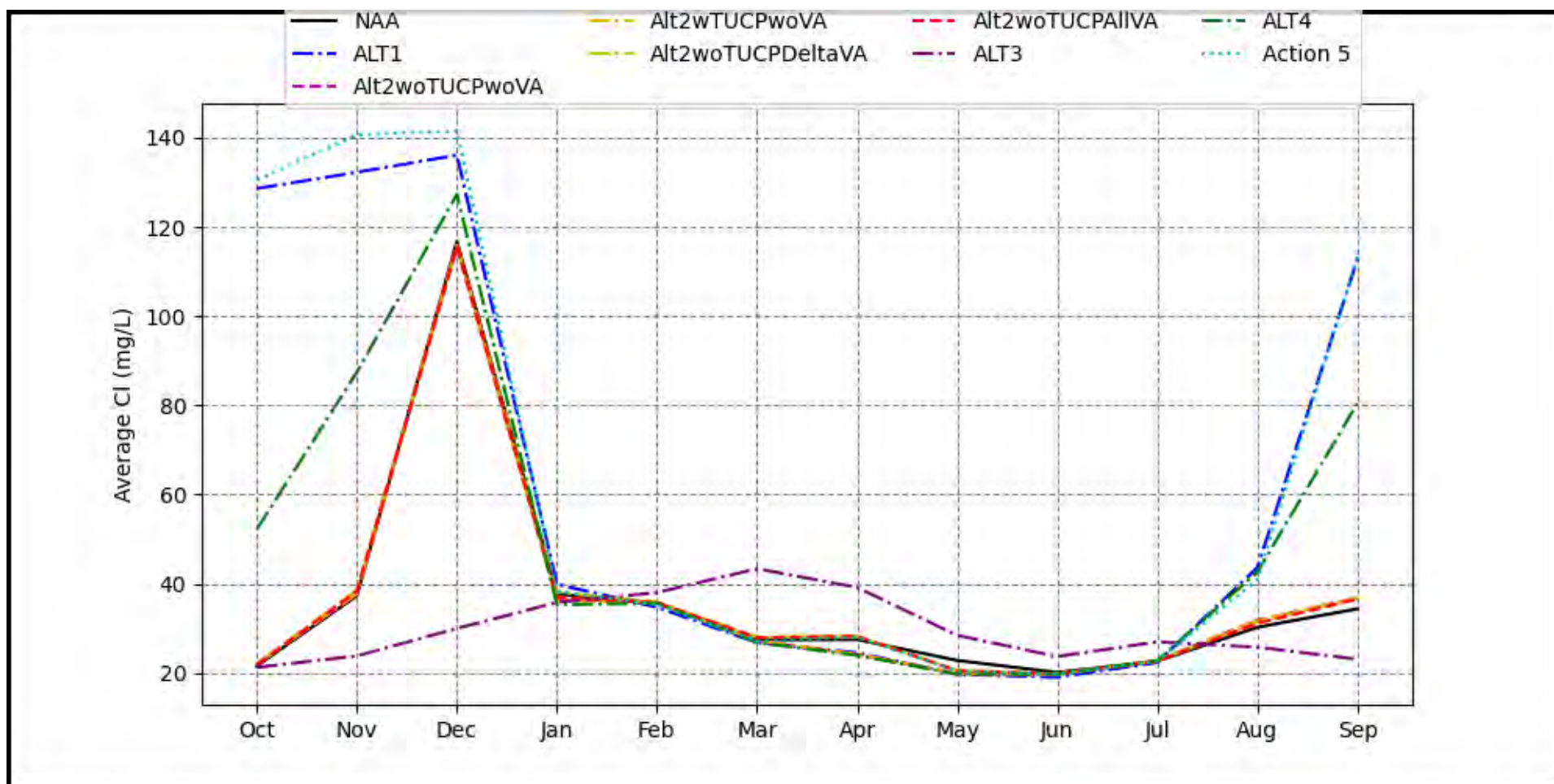


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.7-3-13 Contra Costa Pumping Plant Chloride, Long Term Average Cl (mg/L)

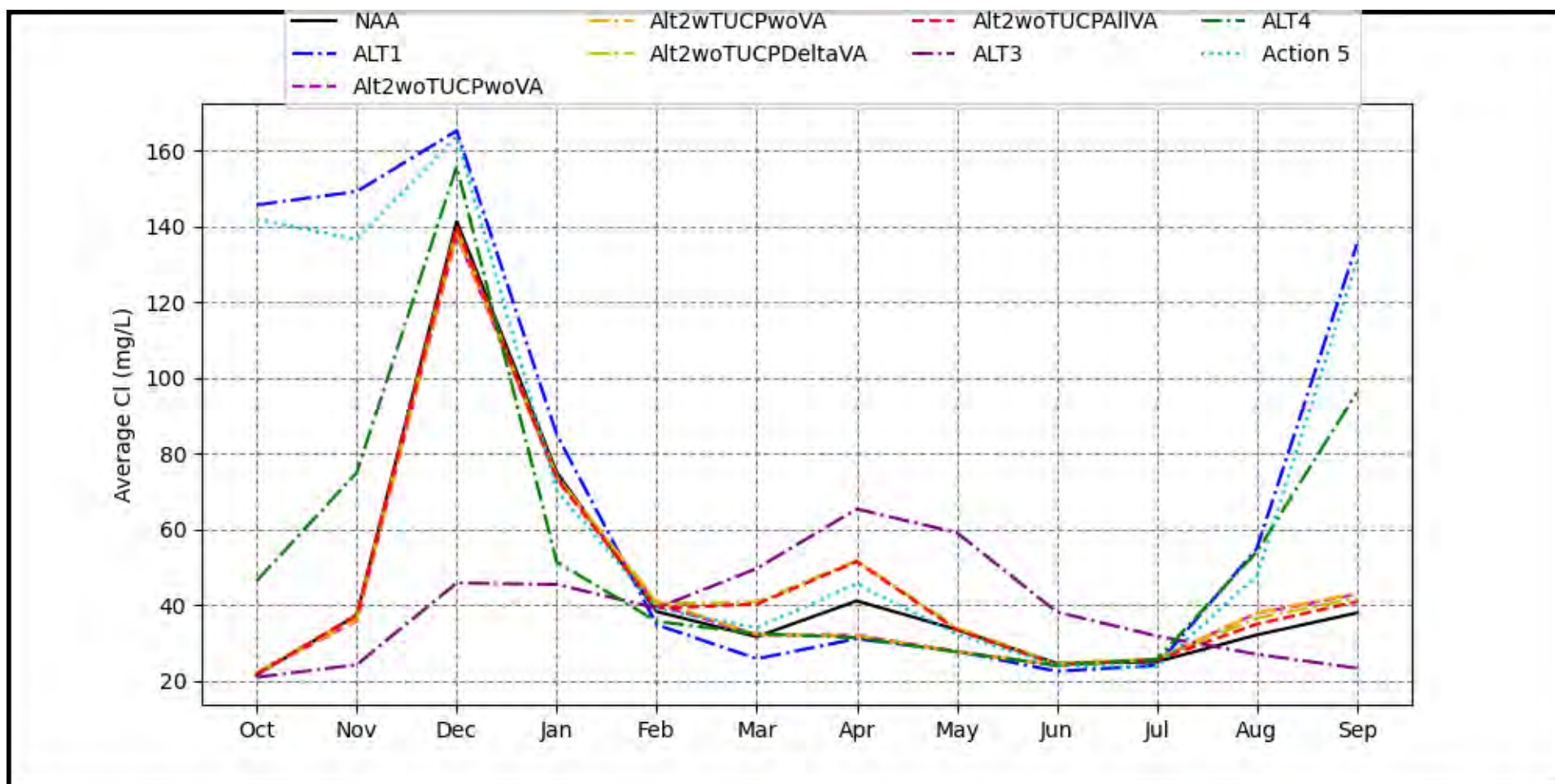


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.7-3-14 Contra Costa Pumping Plant Chloride, Wet Year Average Cl (mg/L)

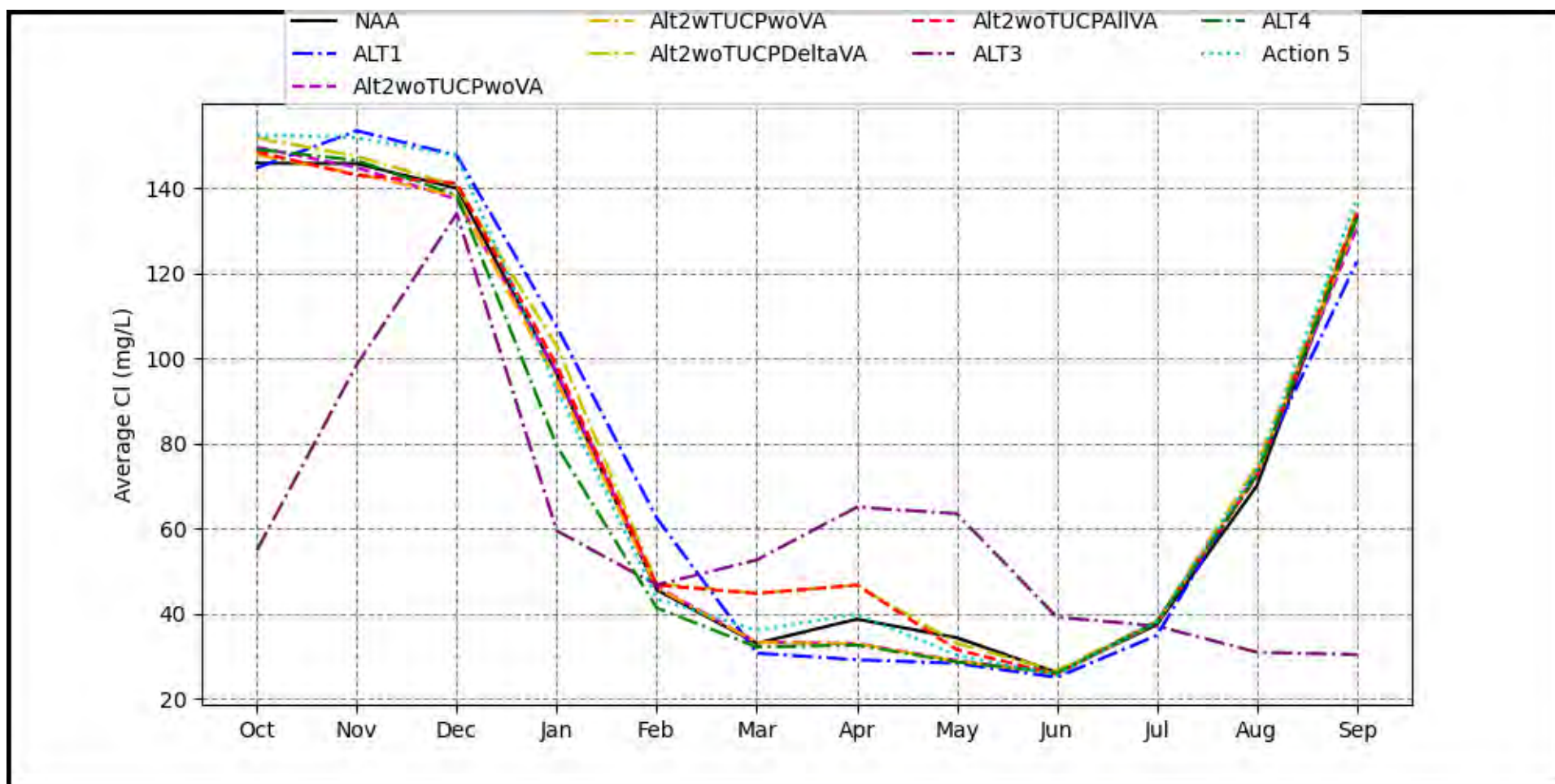


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.7-3-15 Contra Costa Pumping Plant Chloride, Above Normal Year Average Cl (mg/L)

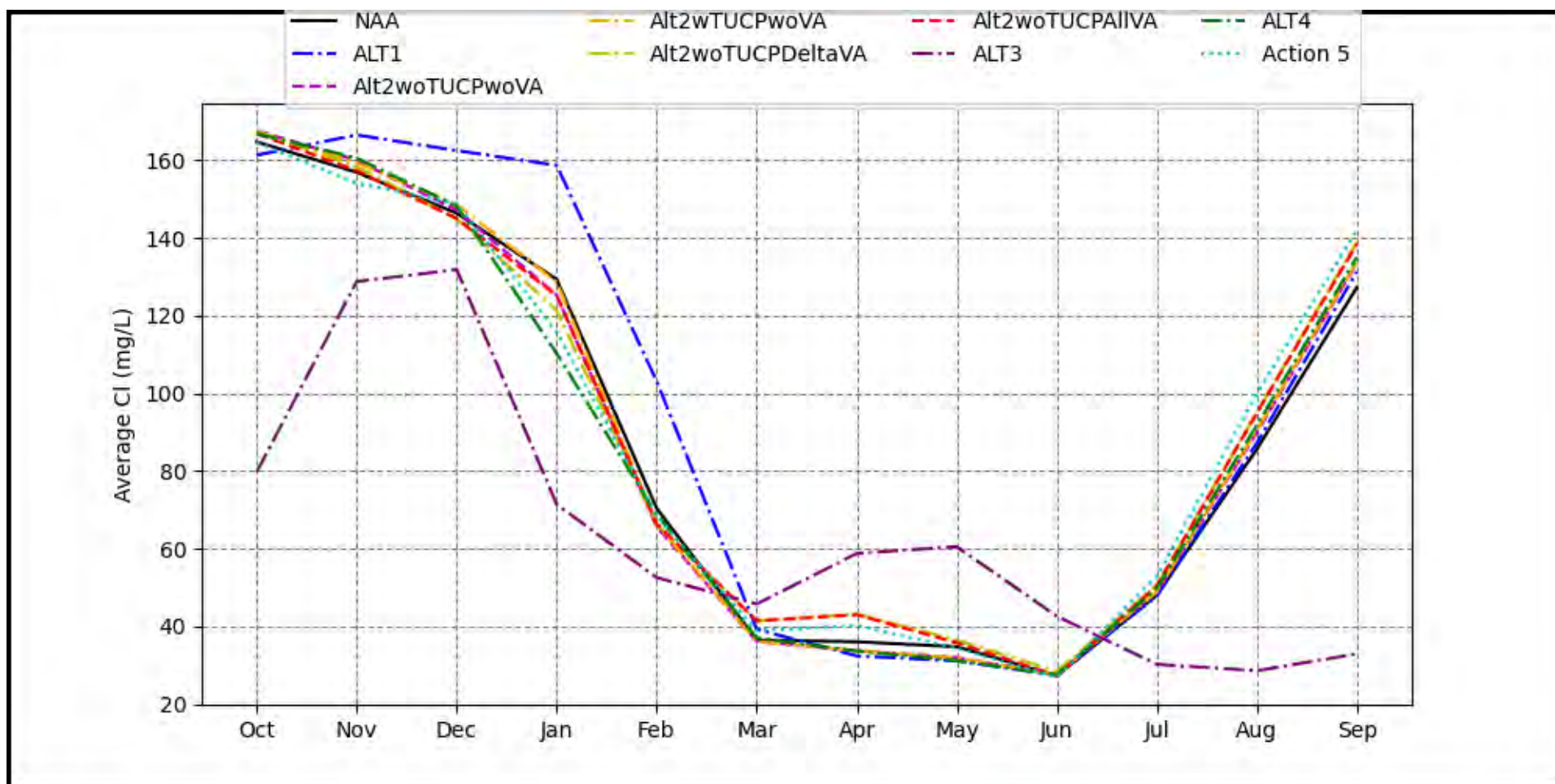


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.7-3-16 Contra Costa Pumping Plant Chloride, Below Normal Year Average Cl (mg/L)

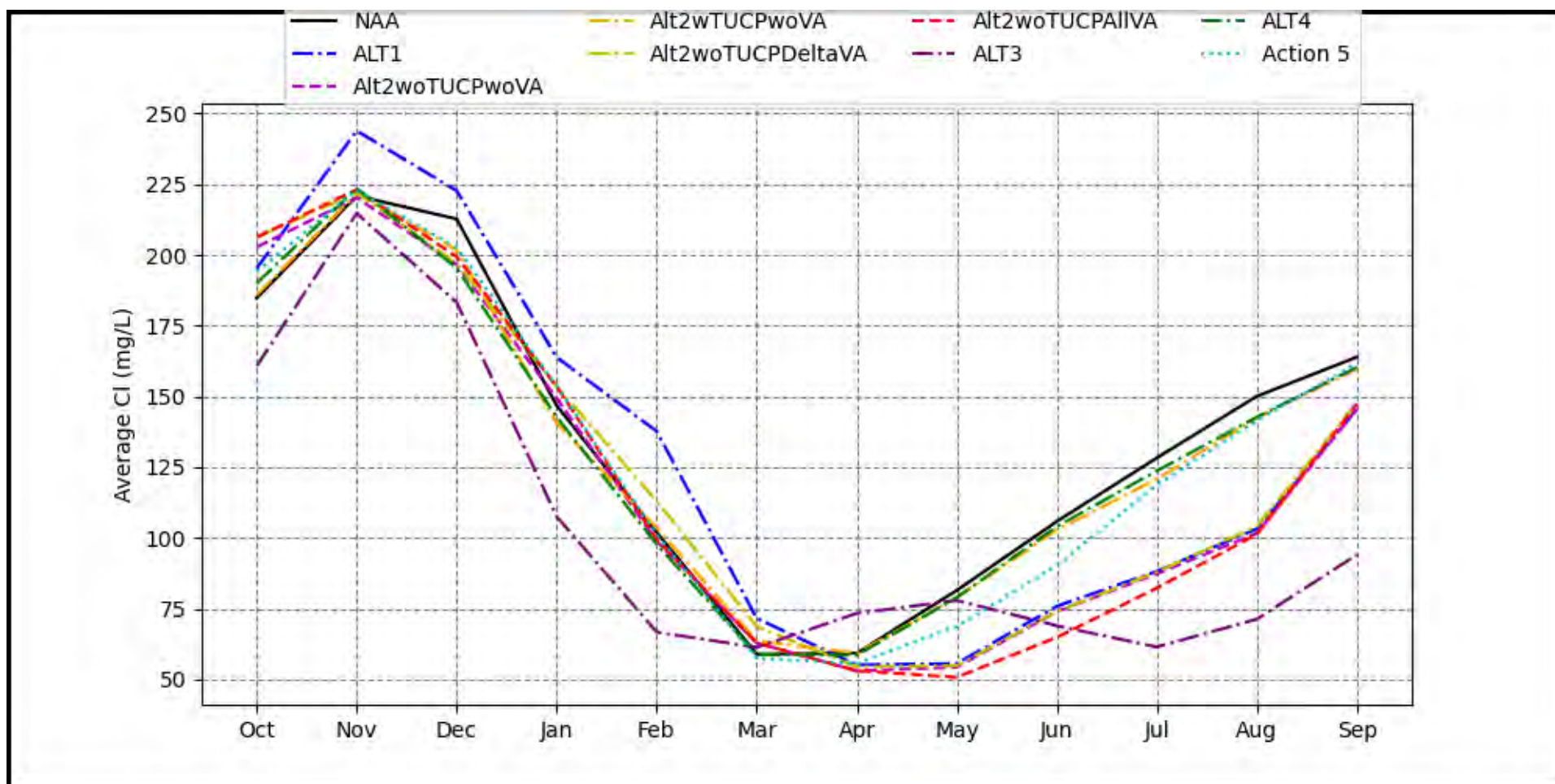


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.7-3-17 Contra Costa Pumping Plant Chloride, Dry Year Average Cl (mg/L)



*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.7-3-18 Contra Costa Pumping Plant Chloride, Critical Year Average Cl (mg/L)

F.2.7-4 San Joaquin River at Antioch Chloride

Table F.2.7-4-1 a. San Joaquin River at Antioch Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,859	1,845	1,361	1,068	358	223	379	742	1,182	1,377	1,567	1,737
20% Exceedance	1,751	1,694	1,191	807	191	113	201	246	475	808	1,208	1,685
30% Exceedance	1,663	1,627	1,132	394	124	36	83	211	389	723	1,119	1,627
40% Exceedance	1,549	1,450	980	229	46	28	37	157	346	631	1,045	1,548
50% Exceedance	1,386	876	713	126	26	25	28	80	274	490	868	1,315
60% Exceedance	280	793	363	58	24	23	24	49	242	318	586	373
70% Exceedance	242	758	237	24	21	21	22	28	192	279	529	336
80% Exceedance	223	593	160	21	20	20	20	20	109	250	486	316
90% Exceedance	208	285	84	19	18	18	18	16	39	181	444	294
Full Simulation Period Average^a	1,018	1,118	703	344	126	76	127	228	384	590	891	1,054
Wet Years (27.7%)	221	561	564	33	20	20	20	35	114	218	468	310
Above Normal Years (13.9%)	218	670	661	173	35	21	24	58	179	264	513	310
Below Normal Years (17.8%)	1,404	1,376	582	271	84	35	58	110	322	527	925	1,405
Dry Years (23.8%)	1,588	1,397	732	569	175	83	95	181	368	725	1,124	1,632
Critical Years (15.8%)	1,938	1,855	1,128	785	366	259	532	918	1,133	1,396	1,572	1,742

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-4-1 b. San Joaquin River at Antioch Chloride, ALT1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,765	1,801	1,508	1,234	473	264	277	505	605	962	1,341	1,654
20% Exceedance	1,616	1,678	1,414	1,076	345	100	167	273	435	764	1,194	1,572
30% Exceedance	1,535	1,618	1,285	795	195	55	99	250	373	691	1,122	1,515
40% Exceedance	1,485	1,531	1,163	389	124	41	42	208	298	582	974	1,391
50% Exceedance	1,411	1,497	968	249	29	28	30	119	252	483	852	1,337
60% Exceedance	1,339	1,435	528	120	24	23	24	62	191	343	805	1,233
70% Exceedance	1,227	1,325	329	33	21	20	21	29	149	307	755	1,190
80% Exceedance	1,154	893	222	20	19	19	19	20	104	255	725	1,060
90% Exceedance	1,048	460	51	18	18	18	18	16	35	195	695	989
Full Simulation Period Average^a	1,347	1,341	830	465	175	81	100	199	324	535	935	1,305
Wet Years (27.7%)	1,076	1,048	673	53	23	20	21	43	92	231	684	1,033
Above Normal Years (13.9%)	1,219	1,298	795	218	44	22	25	76	144	282	739	1,140
Below Normal Years (17.8%)	1,310	1,361	719	421	138	47	69	147	256	489	868	1,245
Dry Years (23.8%)	1,480	1,352	925	800	263	101	110	205	381	713	1,122	1,528
Critical Years (15.8%)	1,808	1,864	1,163	947	465	245	327	629	881	1,075	1,341	1,658

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-4-1 c. San Joaquin River at Antioch Chloride, ALT1 Minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-94	-44	146	165	115	41	-102	-237	-577	-415	-226	-83
20% Exceedance	-136	-16	223	268	153	-13	-34	27	-39	-44	-13	-113
30% Exceedance	-128	-9	154	401	71	19	15	39	-15	-32	3	-112
40% Exceedance	-64	81	183	160	78	13	5	51	-48	-49	-71	-157
50% Exceedance	26	620	255	123	3	2	2	39	-21	-8	-16	22
60% Exceedance	1,059	642	166	62	0	0	0	13	-51	25	219	860
70% Exceedance	986	567	92	9	0	-1	-1	1	-43	28	226	854
80% Exceedance	931	300	62	0	-1	-1	-1	0	-5	5	240	744
90% Exceedance	840	175	-32	0	0	0	0	0	-4	14	252	694
Full Simulation Period Average^a	329	223	127	120	49	5	-27	-29	-60	-55	44	251
Wet Years (27.7%)	855	487	109	21	3	0	1	8	-22	13	217	723
Above Normal Years (13.9%)	1,002	627	135	44	9	1	1	18	-35	18	226	830
Below Normal Years (17.8%)	-94	-14	137	149	54	12	11	36	-66	-37	-57	-160
Dry Years (23.8%)	-108	-45	193	231	88	19	15	25	13	-12	-2	-104
Critical Years (15.8%)	-130	9	35	162	99	-14	-205	-289	-252	-321	-232	-84

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-4-2 a. San Joaquin River at Antioch Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,859	1,845	1,361	1,068	358	223	379	742	1,182	1,377	1,567	1,737
20% Exceedance	1,751	1,694	1,191	807	191	113	201	246	475	808	1,208	1,685
30% Exceedance	1,663	1,627	1,132	394	124	36	83	211	389	723	1,119	1,627
40% Exceedance	1,549	1,450	980	229	46	28	37	157	346	631	1,045	1,548
50% Exceedance	1,386	876	713	126	26	25	28	80	274	490	868	1,315
60% Exceedance	280	793	363	58	24	23	24	49	242	318	586	373
70% Exceedance	242	758	237	24	21	21	22	28	192	279	529	336
80% Exceedance	223	593	160	21	20	20	20	20	109	250	486	316
90% Exceedance	208	285	84	19	18	18	18	16	39	181	444	294
Full Simulation Period Average^a	1,018	1,118	703	344	126	76	127	228	384	590	891	1,054
Wet Years (27.7%)	221	561	564	33	20	20	20	35	114	218	468	310
Above Normal Years (13.9%)	218	670	661	173	35	21	24	58	179	264	513	310
Below Normal Years (17.8%)	1,404	1,376	582	271	84	35	58	110	322	527	925	1,405
Dry Years (23.8%)	1,588	1,397	732	569	175	83	95	181	368	725	1,124	1,632
Critical Years (15.8%)	1,938	1,855	1,128	785	366	259	532	918	1,133	1,396	1,572	1,742

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-4-2 b. San Joaquin River at Antioch Chloride, Alt2woTUCPwoVA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,956	1,771	1,306	1,023	341	177	259	480	607	959	1,313	1,782
20% Exceedance	1,791	1,666	1,188	690	180	87	144	273	449	785	1,217	1,714
30% Exceedance	1,664	1,603	1,099	343	85	34	78	253	404	703	1,117	1,641
40% Exceedance	1,581	1,502	985	242	46	28	44	203	346	600	1,031	1,575
50% Exceedance	1,394	864	644	131	26	25	29	120	267	486	861	1,399
60% Exceedance	274	781	348	51	24	23	24	62	243	325	605	390
70% Exceedance	253	714	225	24	21	21	22	30	203	296	550	359
80% Exceedance	221	586	152	21	20	20	20	20	104	261	516	328
90% Exceedance	210	301	71	18	18	18	18	16	38	190	489	307
Full Simulation Period Average^a	1,036	1,091	693	324	119	69	95	197	345	543	863	1,077
Wet Years (27.7%)	223	559	561	31	20	20	20	43	114	227	498	324
Above Normal Years (13.9%)	213	643	664	172	35	21	24	75	175	277	535	329
Below Normal Years (17.8%)	1,427	1,347	573	277	82	34	64	147	325	524	892	1,421
Dry Years (23.8%)	1,600	1,407	719	508	149	80	101	203	380	733	1,147	1,657
Critical Years (15.8%)	2,011	1,724	1,099	745	362	217	316	621	868	1,064	1,329	1,792

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-4-2 c. San Joaquin River at Antioch Chloride, Alt2woTUCPwoVA Minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	98	-74	-55	-46	-17	-46	-120	-262	-575	-419	-254	44
20% Exceedance	39	-28	-3	-118	-11	-25	-57	27	-26	-23	10	29
30% Exceedance	1	-24	-33	-51	-39	-3	-6	42	15	-20	-2	14
40% Exceedance	31	52	5	13	0	0	7	46	0	-30	-13	27
50% Exceedance	8	-12	-69	6	0	0	1	39	-7	-4	-7	84
60% Exceedance	-6	-13	-15	-8	0	0	0	13	1	8	19	16
70% Exceedance	11	-44	-12	0	0	0	0	2	11	17	21	23
80% Exceedance	-2	-6	-9	0	0	0	0	0	-5	11	30	12
90% Exceedance	2	16	-13	0	0	0	0	0	-1	9	45	13
Full Simulation Period Average^a	18	-27	-9	-21	-7	-8	-32	-31	-39	-47	-28	23
Wet Years (27.7%)	2	-1	-2	-2	0	0	0	8	0	9	30	13
Above Normal Years (13.9%)	-5	-28	4	-2	0	0	0	17	-4	13	22	19
Below Normal Years (17.8%)	23	-29	-9	6	-2	-1	6	36	3	-3	-33	17
Dry Years (23.8%)	12	10	-13	-60	-26	-3	6	22	12	8	23	25
Critical Years (15.8%)	73	-132	-30	-40	-4	-42	-216	-298	-264	-332	-244	50

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-4-3 a. San Joaquin River at Antioch Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,859	1,845	1,361	1,068	358	223	379	742	1,182	1,377	1,567	1,737
20% Exceedance	1,751	1,694	1,191	807	191	113	201	246	475	808	1,208	1,685
30% Exceedance	1,663	1,627	1,132	394	124	36	83	211	389	723	1,119	1,627
40% Exceedance	1,549	1,450	980	229	46	28	37	157	346	631	1,045	1,548
50% Exceedance	1,386	876	713	126	26	25	28	80	274	490	868	1,315
60% Exceedance	280	793	363	58	24	23	24	49	242	318	586	373
70% Exceedance	242	758	237	24	21	21	22	28	192	279	529	336
80% Exceedance	223	593	160	21	20	20	20	20	109	250	486	316
90% Exceedance	208	285	84	19	18	18	18	16	39	181	444	294
Full Simulation Period Average^a	1,018	1,118	703	344	126	76	127	228	384	590	891	1,054
Wet Years (27.7%)	221	561	564	33	20	20	20	35	114	218	468	310
Above Normal Years (13.9%)	218	670	661	173	35	21	24	58	179	264	513	310
Below Normal Years (17.8%)	1,404	1,376	582	271	84	35	58	110	322	527	925	1,405
Dry Years (23.8%)	1,588	1,397	732	569	175	83	95	181	368	725	1,124	1,632
Critical Years (15.8%)	1,938	1,855	1,128	785	366	259	532	918	1,133	1,396	1,572	1,742

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-4-3 b. San Joaquin River at Antioch Chloride, Alt2wTUCPwoVA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,868	1,823	1,306	1,040	342	242	329	703	1,199	1,361	1,450	1,745
20% Exceedance	1,785	1,694	1,224	679	180	117	208	273	473	802	1,259	1,694
30% Exceedance	1,664	1,604	1,147	389	100	37	86	253	410	713	1,117	1,638
40% Exceedance	1,576	1,510	990	228	44	28	44	197	353	614	1,028	1,533
50% Exceedance	1,389	865	669	119	26	25	29	120	268	482	857	1,390
60% Exceedance	274	784	350	52	24	23	24	62	243	326	605	390
70% Exceedance	253	714	239	24	21	21	22	30	203	297	550	359
80% Exceedance	221	586	152	21	20	20	20	20	103	261	516	328
90% Exceedance	210	300	70	18	18	18	18	16	37	190	489	307
Full Simulation Period Average^a	1,025	1,106	692	327	127	77	128	242	381	587	894	1,066
Wet Years (27.7%)	224	560	561	31	20	20	20	43	114	227	498	324
Above Normal Years (13.9%)	215	645	665	171	35	21	24	75	175	277	535	330
Below Normal Years (17.8%)	1,421	1,341	581	277	82	34	64	147	326	515	882	1,410
Dry Years (23.8%)	1,597	1,405	735	520	150	80	101	203	380	734	1,148	1,657
Critical Years (15.8%)	1,948	1,832	1,053	750	409	272	521	901	1,091	1,347	1,536	1,735

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-4-3 c. San Joaquin River at Antioch Chloride, Alt2wTUCPwoVA Minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	10	-22	-55	-28	-16	19	-50	-39	17	-16	-117	8
20% Exceedance	33	0	33	-128	-12	4	8	27	-1	-6	51	9
30% Exceedance	1	-22	15	-5	-24	1	3	42	21	-10	-2	11
40% Exceedance	26	60	10	-1	-1	0	7	40	7	-17	-17	-15
50% Exceedance	4	-12	-44	-7	0	0	1	39	-6	-8	-11	75
60% Exceedance	-6	-9	-12	-7	0	0	0	13	1	8	19	16
70% Exceedance	11	-44	2	0	0	0	0	2	11	18	21	23
80% Exceedance	-2	-6	-9	0	0	0	0	0	-5	11	30	12
90% Exceedance	3	15	-14	0	0	0	0	0	-2	9	45	13
Full Simulation Period Average^a	7	-12	-11	-17	0	1	1	14	-4	-3	4	12
Wet Years (27.7%)	2	-1	-3	-2	0	0	0	8	0	9	30	13
Above Normal Years (13.9%)	-3	-26	5	-2	0	0	0	17	-4	13	22	20
Below Normal Years (17.8%)	17	-35	-2	6	-2	-1	6	37	4	-11	-43	5
Dry Years (23.8%)	9	8	3	-49	-25	-3	6	22	12	9	24	25
Critical Years (15.8%)	10	-23	-76	-35	43	13	-10	-17	-41	-49	-36	-6

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-4-4 a. San Joaquin River at Antioch Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,859	1,845	1,361	1,068	358	223	379	742	1,182	1,377	1,567	1,737
20% Exceedance	1,751	1,694	1,191	807	191	113	201	246	475	808	1,208	1,685
30% Exceedance	1,663	1,627	1,132	394	124	36	83	211	389	723	1,119	1,627
40% Exceedance	1,549	1,450	980	229	46	28	37	157	346	631	1,045	1,548
50% Exceedance	1,386	876	713	126	26	25	28	80	274	490	868	1,315
60% Exceedance	280	793	363	58	24	23	24	49	242	318	586	373
70% Exceedance	242	758	237	24	21	21	22	28	192	279	529	336
80% Exceedance	223	593	160	21	20	20	20	20	109	250	486	316
90% Exceedance	208	285	84	19	18	18	18	16	39	181	444	294
Full Simulation Period Average^a	1,018	1,118	703	344	126	76	127	228	384	590	891	1,054
Wet Years (27.7%)	221	561	564	33	20	20	20	35	114	218	468	310
Above Normal Years (13.9%)	218	670	661	173	35	21	24	58	179	264	513	310
Below Normal Years (17.8%)	1,404	1,376	582	271	84	35	58	110	322	527	925	1,405
Dry Years (23.8%)	1,588	1,397	732	569	175	83	95	181	368	725	1,124	1,632
Critical Years (15.8%)	1,938	1,855	1,128	785	366	259	532	918	1,133	1,396	1,572	1,742

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-4-4 b. San Joaquin River at Antioch Chloride, Alt2woTUCPDeltaVA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,990	1,729	1,282	1,017	339	170	241	475	606	966	1,353	1,791
20% Exceedance	1,762	1,654	1,186	684	179	68	110	271	471	797	1,227	1,712
30% Exceedance	1,668	1,599	1,092	364	106	33	74	250	416	716	1,130	1,639
40% Exceedance	1,567	1,434	992	255	50	27	37	177	341	616	1,049	1,581
50% Exceedance	1,373	881	656	168	26	25	28	113	270	488	864	1,402
60% Exceedance	276	780	358	55	24	23	25	61	248	322	597	392
70% Exceedance	251	726	223	24	21	22	22	33	205	291	547	360
80% Exceedance	222	585	151	21	20	20	21	20	103	257	517	330
90% Exceedance	206	310	74	18	18	18	18	16	38	189	472	305
Full Simulation Period Average^a	1,041	1,084	696	342	132	66	89	193	348	545	867	1,080
Wet Years (27.7%)	224	560	562	33	20	20	20	43	116	223	495	325
Above Normal Years (13.9%)	213	645	655	172	35	22	24	65	179	270	525	330
Below Normal Years (17.8%)	1,435	1,349	575	293	82	30	53	145	332	526	892	1,425
Dry Years (23.8%)	1,598	1,393	710	523	158	64	84	193	382	744	1,166	1,658
Critical Years (15.8%)	2,040	1,696	1,137	816	429	228	314	620	869	1,073	1,342	1,800

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-4-4 c. San Joaquin River at Antioch Chloride, Alt2woTUCPDeltaVA Minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	132	-116	-79	-52	-19	-53	-138	-267	-576	-411	-215	54
20% Exceedance	10	-40	-5	-124	-12	-44	-91	26	-4	-11	20	27
30% Exceedance	5	-27	-40	-29	-18	-3	-9	39	27	-7	11	13
40% Exceedance	18	-16	12	26	5	-1	0	20	-5	-15	4	33
50% Exceedance	-13	5	-57	42	1	0	0	33	-4	-3	-3	87
60% Exceedance	-4	-13	-4	-4	0	0	1	12	6	4	11	18
70% Exceedance	10	-32	-14	0	0	1	0	5	13	12	18	24
80% Exceedance	0	-7	-9	0	0	0	0	0	-6	7	31	14
90% Exceedance	-2	26	-10	0	0	0	0	0	-1	8	28	11
Full Simulation Period Average^a	24	-33	-7	-2	6	-10	-38	-35	-36	-45	-23	26
Wet Years (27.7%)	3	-1	-2	0	0	0	0	8	2	5	28	15
Above Normal Years (13.9%)	-5	-26	-6	-1	0	1	0	7	0	6	12	20
Below Normal Years (17.8%)	31	-26	-7	22	-2	-5	-5	35	10	-1	-33	20
Dry Years (23.8%)	10	-4	-22	-46	-17	-18	-10	13	14	19	42	26
Critical Years (15.8%)	103	-159	9	31	63	-31	-218	-298	-263	-323	-231	59

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-4-5 a. San Joaquin River at Antioch Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,859	1,845	1,361	1,068	358	223	379	742	1,182	1,377	1,567	1,737
20% Exceedance	1,751	1,694	1,191	807	191	113	201	246	475	808	1,208	1,685
30% Exceedance	1,663	1,627	1,132	394	124	36	83	211	389	723	1,119	1,627
40% Exceedance	1,549	1,450	980	229	46	28	37	157	346	631	1,045	1,548
50% Exceedance	1,386	876	713	126	26	25	28	80	274	490	868	1,315
60% Exceedance	280	793	363	58	24	23	24	49	242	318	586	373
70% Exceedance	242	758	237	24	21	21	22	28	192	279	529	336
80% Exceedance	223	593	160	21	20	20	20	20	109	250	486	316
90% Exceedance	208	285	84	19	18	18	18	16	39	181	444	294
Full Simulation Period Average^a	1,018	1,118	703	344	126	76	127	228	384	590	891	1,054
Wet Years (27.7%)	221	561	564	33	20	20	20	35	114	218	468	310
Above Normal Years (13.9%)	218	670	661	173	35	21	24	58	179	264	513	310
Below Normal Years (17.8%)	1,404	1,376	582	271	84	35	58	110	322	527	925	1,405
Dry Years (23.8%)	1,588	1,397	732	569	175	83	95	181	368	725	1,124	1,632
Critical Years (15.8%)	1,938	1,855	1,128	785	366	259	532	918	1,133	1,396	1,572	1,742

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-4-5 b. San Joaquin River at Antioch Chloride, Alt2woTUCPAIIVA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,954	1,749	1,323	1,042	327	138	220	411	556	991	1,329	1,789
20% Exceedance	1,814	1,680	1,202	642	182	67	91	230	442	789	1,230	1,699
30% Exceedance	1,636	1,598	1,104	380	107	33	51	198	398	729	1,131	1,643
40% Exceedance	1,552	1,436	994	253	46	27	30	142	326	602	1,042	1,588
50% Exceedance	1,354	870	635	165	26	25	27	75	270	502	838	1,395
60% Exceedance	274	779	340	56	24	23	24	46	245	323	582	386
70% Exceedance	252	717	227	24	22	22	22	28	195	290	542	350
80% Exceedance	222	586	161	21	20	20	21	20	106	252	514	328
90% Exceedance	208	297	72	18	18	18	18	16	39	186	460	304
Full Simulation Period Average^a	1,031	1,083	699	333	117	62	77	159	329	541	861	1,076
Wet Years (27.7%)	224	560	562	32	20	20	20	41	116	222	491	323
Above Normal Years (13.9%)	214	646	649	170	35	22	23	48	172	265	510	326
Below Normal Years (17.8%)	1,386	1,330	577	283	82	30	38	102	320	523	879	1,410
Dry Years (23.8%)	1,597	1,378	721	531	157	63	67	154	360	746	1,166	1,657
Critical Years (15.8%)	2,032	1,735	1,142	760	339	202	282	536	802	1,054	1,336	1,800

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-4-5 c. San Joaquin River at Antioch Chloride, Alt2woTUCPAIIVA Minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	96	-96	-39	-26	-31	-85	-159	-331	-626	-386	-238	52
20% Exceedance	62	-13	11	-165	-10	-46	-110	-15	-32	-19	23	14
30% Exceedance	-27	-29	-27	-14	-17	-3	-33	-13	9	5	12	16
40% Exceedance	3	-14	14	24	1	-1	-7	-15	-20	-29	-3	40
50% Exceedance	-31	-6	-78	39	0	0	-1	-5	-4	12	-29	80
60% Exceedance	-6	-14	-22	-3	0	0	0	-3	3	5	-4	12
70% Exceedance	10	-41	-10	0	0	0	0	0	3	10	13	14
80% Exceedance	0	-7	0	0	0	0	0	0	-3	2	28	12
90% Exceedance	0	12	-12	0	0	0	0	0	0	6	16	10
Full Simulation Period Average^a	13	-34	-4	-12	-9	-15	-50	-69	-56	-49	-30	22
Wet Years (27.7%)	3	0	-2	-1	0	0	0	6	2	4	24	13
Above Normal Years (13.9%)	-4	-24	-12	-3	0	1	-1	-10	-7	2	-3	16
Below Normal Years (17.8%)	-18	-46	-5	12	-2	-5	-20	-9	-2	-4	-46	5
Dry Years (23.8%)	9	-19	-11	-38	-18	-20	-28	-27	-8	20	42	26
Critical Years (15.8%)	94	-120	13	-25	-27	-57	-250	-382	-331	-342	-237	58

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-4-6 a. San Joaquin River at Antioch Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,859	1,845	1,361	1,068	358	223	379	742	1,182	1,377	1,567	1,737
20% Exceedance	1,751	1,694	1,191	807	191	113	201	246	475	808	1,208	1,685
30% Exceedance	1,663	1,627	1,132	394	124	36	83	211	389	723	1,119	1,627
40% Exceedance	1,549	1,450	980	229	46	28	37	157	346	631	1,045	1,548
50% Exceedance	1,386	876	713	126	26	25	28	80	274	490	868	1,315
60% Exceedance	280	793	363	58	24	23	24	49	242	318	586	373
70% Exceedance	242	758	237	24	21	21	22	28	192	279	529	336
80% Exceedance	223	593	160	21	20	20	20	20	109	250	486	316
90% Exceedance	208	285	84	19	18	18	18	16	39	181	444	294
Full Simulation Period Average^a	1,018	1,118	703	344	126	76	127	228	384	590	891	1,054
Wet Years (27.7%)	221	561	564	33	20	20	20	35	114	218	468	310
Above Normal Years (13.9%)	218	670	661	173	35	21	24	58	179	264	513	310
Below Normal Years (17.8%)	1,404	1,376	582	271	84	35	58	110	322	527	925	1,405
Dry Years (23.8%)	1,588	1,397	732	569	175	83	95	181	368	725	1,124	1,632
Critical Years (15.8%)	1,938	1,855	1,128	785	366	259	532	918	1,133	1,396	1,572	1,742

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-4-6 b. San Joaquin River at Antioch Chloride, ALT3, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,814	1,745	1,363	502	130	130	167	359	597	731	953	1,382
20% Exceedance	1,372	1,595	806	288	87	50	70	196	362	587	551	829
30% Exceedance	1,231	1,509	463	155	37	29	49	118	330	511	496	772
40% Exceedance	1,020	1,322	327	72	27	26	31	74	268	449	468	722
50% Exceedance	889	713	227	32	26	25	27	41	234	411	450	689
60% Exceedance	247	305	150	26	24	23	25	27	211	368	406	265
70% Exceedance	209	238	95	23	22	22	23	24	171	296	348	236
80% Exceedance	193	211	41	21	20	21	21	21	124	229	295	216
90% Exceedance	174	194	25	18	19	19	18	14	57	159	253	203
Full Simulation Period Average^a	824	894	429	164	65	49	78	145	276	437	496	637
Wet Years (27.7%)	188	220	172	24	21	21	21	23	118	182	268	214
Above Normal Years (13.9%)	194	202	151	39	22	22	25	33	186	359	371	214
Below Normal Years (17.8%)	888	1,190	523	123	37	25	34	78	298	526	507	710
Dry Years (23.8%)	1,241	1,321	655	213	67	41	49	116	245	441	467	773
Critical Years (15.8%)	1,906	1,806	722	493	208	162	316	574	651	847	1,035	1,460

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-4-6 c. San Joaquin River at Antioch Chloride, ALT3 Minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-45	-100	1	-566	-229	-93	-213	-383	-585	-646	-614	-355
20% Exceedance	-379	-99	-385	-520	-105	-63	-131	-50	-113	-221	-656	-856
30% Exceedance	-432	-118	-669	-238	-87	-7	-34	-93	-59	-212	-623	-855
40% Exceedance	-529	-128	-653	-157	-18	-2	-6	-82	-78	-181	-576	-826
50% Exceedance	-496	-163	-486	-94	0	-1	-1	-40	-40	-79	-418	-626
60% Exceedance	-33	-488	-212	-32	0	0	1	-23	-31	50	-180	-108
70% Exceedance	-33	-519	-142	-1	1	1	1	-4	-21	16	-181	-100
80% Exceedance	-30	-382	-119	0	0	1	0	1	16	-21	-190	-100
90% Exceedance	-34	-91	-59	0	1	1	-1	-2	18	-21	-191	-91
Full Simulation Period Average^a	-194	-223	-273	-180	-61	-27	-49	-83	-108	-153	-395	-417
Wet Years (27.7%)	-34	-341	-392	-9	1	1	1	-12	5	-36	-200	-96
Above Normal Years (13.9%)	-24	-469	-509	-134	-12	1	1	-25	7	95	-143	-96
Below Normal Years (17.8%)	-516	-186	-60	-148	-47	-10	-24	-32	-24	-1	-418	-695
Dry Years (23.8%)	-347	-76	-77	-356	-108	-42	-45	-64	-123	-285	-657	-858
Critical Years (15.8%)	-31	-50	-406	-292	-159	-97	-216	-345	-481	-549	-538	-282

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-4-7 a. San Joaquin River at Antioch Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,859	1,845	1,361	1,068	358	223	379	742	1,182	1,377	1,567	1,737
20% Exceedance	1,751	1,694	1,191	807	191	113	201	246	475	808	1,208	1,685
30% Exceedance	1,663	1,627	1,132	394	124	36	83	211	389	723	1,119	1,627
40% Exceedance	1,549	1,450	980	229	46	28	37	157	346	631	1,045	1,548
50% Exceedance	1,386	876	713	126	26	25	28	80	274	490	868	1,315
60% Exceedance	280	793	363	58	24	23	24	49	242	318	586	373
70% Exceedance	242	758	237	24	21	21	22	28	192	279	529	336
80% Exceedance	223	593	160	21	20	20	20	20	109	250	486	316
90% Exceedance	208	285	84	19	18	18	18	16	39	181	444	294
Full Simulation Period Average^a	1,018	1,118	703	344	126	76	127	228	384	590	891	1,054
Wet Years (27.7%)	221	561	564	33	20	20	20	35	114	218	468	310
Above Normal Years (13.9%)	218	670	661	173	35	21	24	58	179	264	513	310
Below Normal Years (17.8%)	1,404	1,376	582	271	84	35	58	110	322	527	925	1,405
Dry Years (23.8%)	1,588	1,397	732	569	175	83	95	181	368	725	1,124	1,632
Critical Years (15.8%)	1,938	1,855	1,128	785	366	259	532	918	1,133	1,396	1,572	1,742

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-4-7 b. San Joaquin River at Antioch Chloride, ALT4, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,872	1,833	1,316	1,027	389	238	333	704	1,232	1,291	1,438	1,767
20% Exceedance	1,772	1,685	1,195	691	194	118	212	273	471	792	1,180	1,687
30% Exceedance	1,676	1,618	1,061	351	113	37	86	252	408	704	1,122	1,616
40% Exceedance	1,591	1,498	845	197	42	27	43	197	361	580	1,014	1,567
50% Exceedance	1,341	1,251	564	106	26	25	29	123	268	476	830	1,405
60% Exceedance	768	1,169	334	46	24	23	24	64	243	329	781	885
70% Exceedance	703	1,037	233	24	21	21	22	30	203	291	736	805
80% Exceedance	666	815	158	21	20	20	20	20	103	262	703	759
90% Exceedance	567	363	75	18	18	18	18	16	37	191	669	718
Full Simulation Period Average^a	1,209	1,229	657	310	130	80	129	243	385	580	957	1,237
Wet Years (27.7%)	646	841	473	28	20	20	20	43	113	226	659	719
Above Normal Years (13.9%)	628	935	615	96	29	21	24	75	175	275	739	775
Below Normal Years (17.8%)	1,422	1,345	578	233	81	34	62	148	331	499	863	1,403
Dry Years (23.8%)	1,606	1,407	724	533	185	87	99	204	381	715	1,120	1,646
Critical Years (15.8%)	1,965	1,824	1,049	745	385	275	533	906	1,113	1,352	1,529	1,747

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-4-7 c. San Joaquin River at Antioch Chloride, ALT4 Minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	14	-12	-45	-42	30	15	-46	-38	50	-87	-130	30
20% Exceedance	21	-9	4	-117	3	6	12	27	-4	-16	-28	2
30% Exceedance	13	-9	-71	-43	-11	1	3	41	19	-19	3	-11
40% Exceedance	41	48	-135	-32	-4	-1	6	40	14	-51	-31	19
50% Exceedance	-45	374	-149	-20	0	0	1	42	-6	-14	-37	90
60% Exceedance	487	376	-29	-12	0	0	0	15	1	12	195	511
70% Exceedance	462	279	-4	0	-1	0	0	2	11	12	207	469
80% Exceedance	443	223	-2	0	0	0	0	0	-6	12	217	443
90% Exceedance	359	78	-9	0	0	0	0	0	-2	10	225	424
Full Simulation Period Average^a	191	111	-46	-34	4	3	2	15	1	-11	66	183
Wet Years (27.7%)	425	280	-90	-4	0	0	0	8	0	8	191	409
Above Normal Years (13.9%)	410	264	-45	-77	-6	0	0	17	-4	11	226	465
Below Normal Years (17.8%)	18	-31	-4	-38	-3	-1	3	38	9	-28	-62	-1
Dry Years (23.8%)	18	10	-8	-36	10	4	5	23	13	-10	-4	14
Critical Years (15.8%)	28	-31	-79	-40	19	16	2	-12	-20	-44	-43	5

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-4-8 a. San Joaquin River at Antioch Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,859	1,845	1,361	1,068	358	223	379	742	1,182	1,377	1,567	1,737
20% Exceedance	1,751	1,694	1,191	807	191	113	201	246	475	808	1,208	1,685
30% Exceedance	1,663	1,627	1,132	394	124	36	83	211	389	723	1,119	1,627
40% Exceedance	1,549	1,450	980	229	46	28	37	157	346	631	1,045	1,548
50% Exceedance	1,386	876	713	126	26	25	28	80	274	490	868	1,315
60% Exceedance	280	793	363	58	24	23	24	49	242	318	586	373
70% Exceedance	242	758	237	24	21	21	22	28	192	279	529	336
80% Exceedance	223	593	160	21	20	20	20	20	109	250	486	316
90% Exceedance	208	285	84	19	18	18	18	16	39	181	444	294
Full Simulation Period Average^a	1,018	1,118	703	344	126	76	127	228	384	590	891	1,054
Wet Years (27.7%)	221	561	564	33	20	20	20	35	114	218	468	310
Above Normal Years (13.9%)	218	670	661	173	35	21	24	58	179	264	513	310
Below Normal Years (17.8%)	1,404	1,376	582	271	84	35	58	110	322	527	925	1,405
Dry Years (23.8%)	1,588	1,397	732	569	175	83	95	181	368	725	1,124	1,632
Critical Years (15.8%)	1,938	1,855	1,128	785	366	259	532	918	1,133	1,396	1,572	1,742

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-4-8 b. San Joaquin River at Antioch Chloride, Action 5, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,888	1,776	1,332	1,026	353	181	265	608	1,142	1,268	1,420	1,764
20% Exceedance	1,715	1,679	1,204	756	197	81	134	226	447	818	1,256	1,689
30% Exceedance	1,661	1,597	1,114	336	124	33	61	192	397	738	1,151	1,615
40% Exceedance	1,611	1,537	986	229	50	27	29	139	336	607	1,022	1,547
50% Exceedance	1,565	1,495	655	146	26	25	27	75	279	492	822	1,433
60% Exceedance	1,441	1,421	407	65	23	23	23	46	246	321	761	1,347
70% Exceedance	1,361	1,298	274	24	21	21	22	28	189	289	731	1,241
80% Exceedance	1,243	1,111	173	21	20	19	20	20	104	249	687	1,118
90% Exceedance	1,057	524	72	18	18	18	18	16	38	189	634	1,021
Full Simulation Period Average^a	1,466	1,343	713	337	122	66	105	198	368	585	961	1,393
Wet Years (27.7%)	1,171	1,107	586	34	20	20	20	41	116	221	647	1,046
Above Normal Years (13.9%)	1,346	1,228	654	162	34	22	23	48	174	266	711	1,243
Below Normal Years (17.8%)	1,449	1,334	586	273	83	30	37	99	320	509	870	1,386
Dry Years (23.8%)	1,573	1,397	738	538	180	67	71	154	359	751	1,169	1,648
Critical Years (15.8%)	1,988	1,794	1,132	788	334	223	451	783	1,047	1,339	1,521	1,760

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-4-8 c. San Joaquin River at Antioch Chloride, Action 5 Minus NAA, Monthly Cl (mg/L)

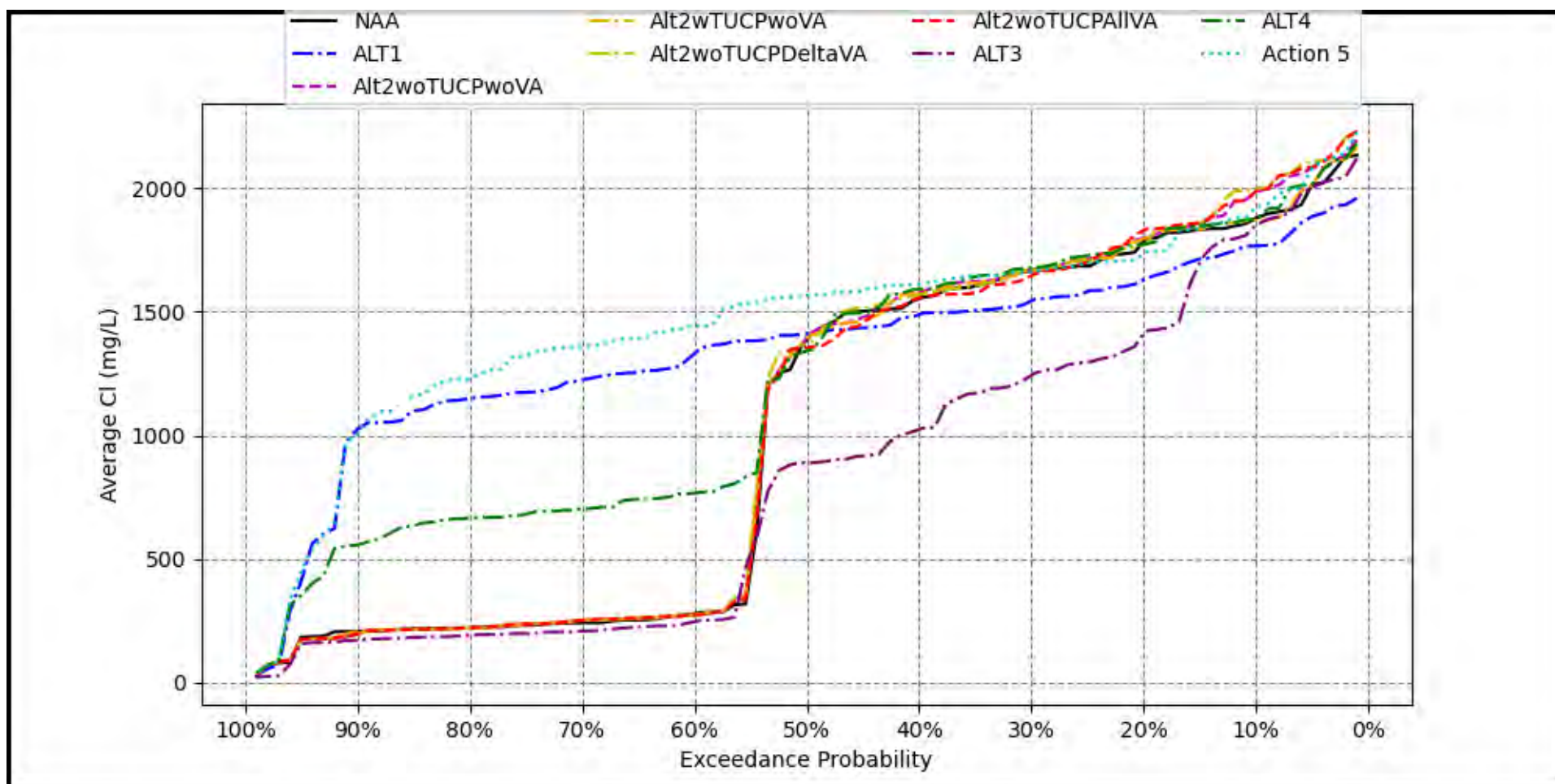
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	29	-69	-29	-42	-5	-42	-114	-135	-40	-109	-147	27
20% Exceedance	-36	-14	13	-52	5	-32	-67	-20	-28	10	49	4
30% Exceedance	-2	-29	-17	-58	-1	-3	-23	-18	8	15	32	-12
40% Exceedance	62	87	6	0	4	-1	-7	-18	-11	-24	-22	-1
50% Exceedance	180	618	-58	20	0	0	-1	-5	6	2	-46	118
60% Exceedance	1,161	627	44	7	-1	0	-1	-4	4	3	175	973
70% Exceedance	1,120	541	37	0	0	0	0	0	-3	10	202	905
80% Exceedance	1,020	519	12	0	0	0	0	0	-5	-2	202	802
90% Exceedance	849	239	-12	0	0	0	0	0	-1	9	190	727
Full Simulation Period Average^a	448	225	10	-8	-4	-10	-23	-30	-16	-5	71	340
Wet Years (27.7%)	949	546	22	1	0	0	0	6	2	3	180	735
Above Normal Years (13.9%)	1,128	557	-7	-11	0	0	-1	-11	-5	2	197	933
Below Normal Years (17.8%)	45	-42	4	2	-1	-5	-21	-11	-2	-17	-54	-19
Dry Years (23.8%)	-15	0	6	-31	4	-16	-24	-27	-9	26	45	16
Critical Years (15.8%)	50	-61	4	3	-32	-35	-81	-136	-86	-57	-51	19

^a Based on the 100-year simulation period.

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

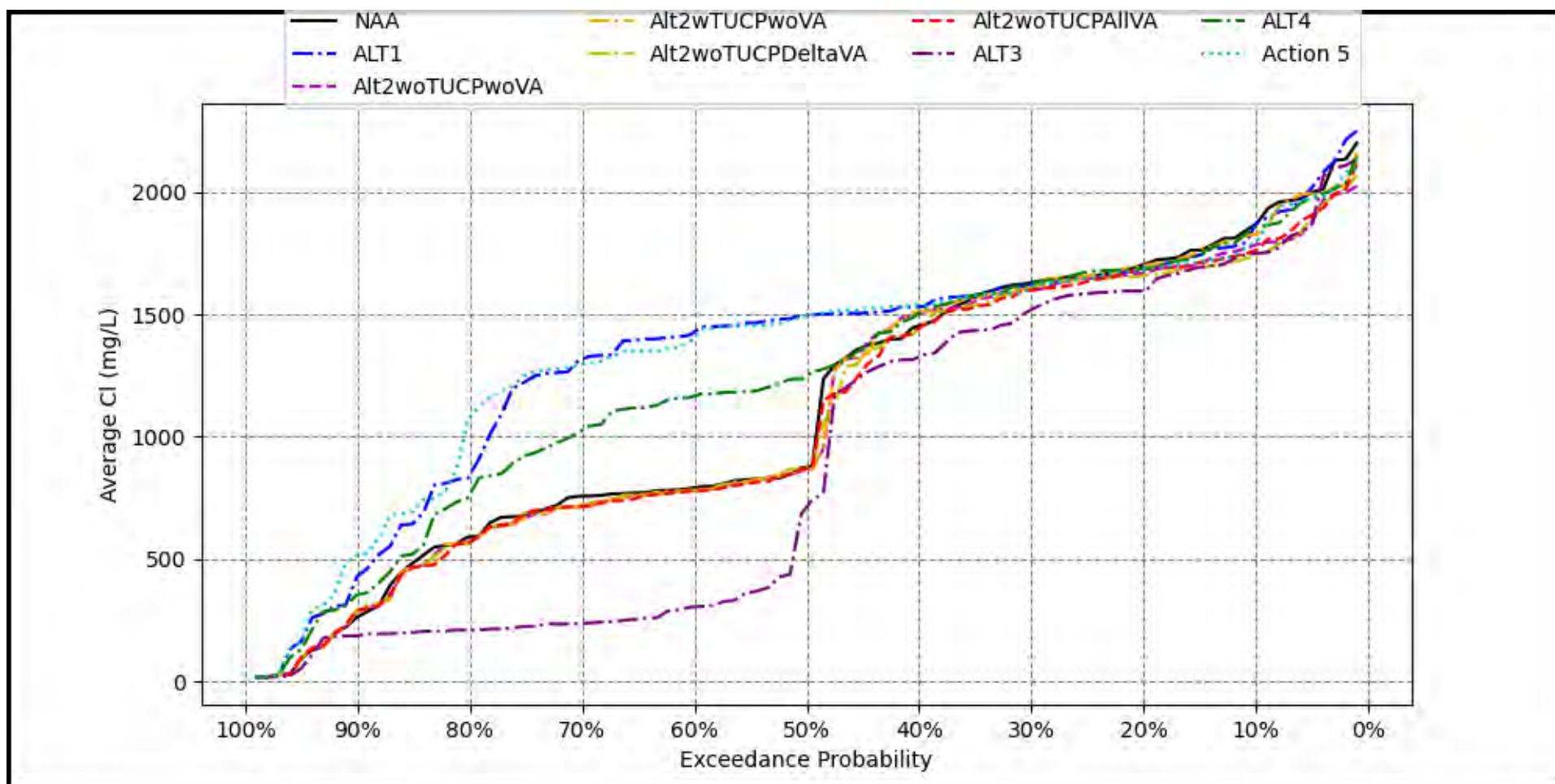
* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.



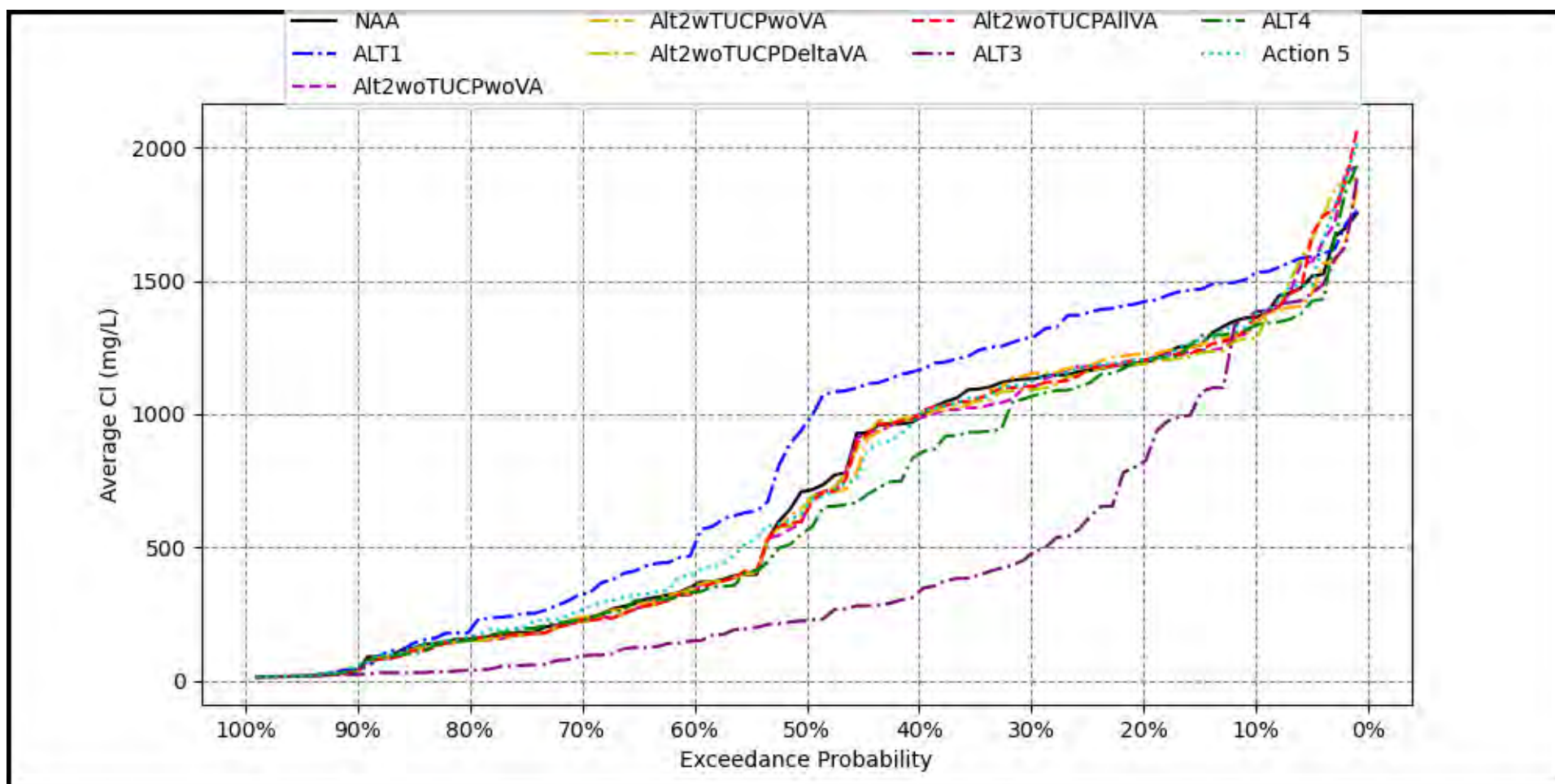
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-4-1 San Joaquin River at Antioch Chloride, October Cl



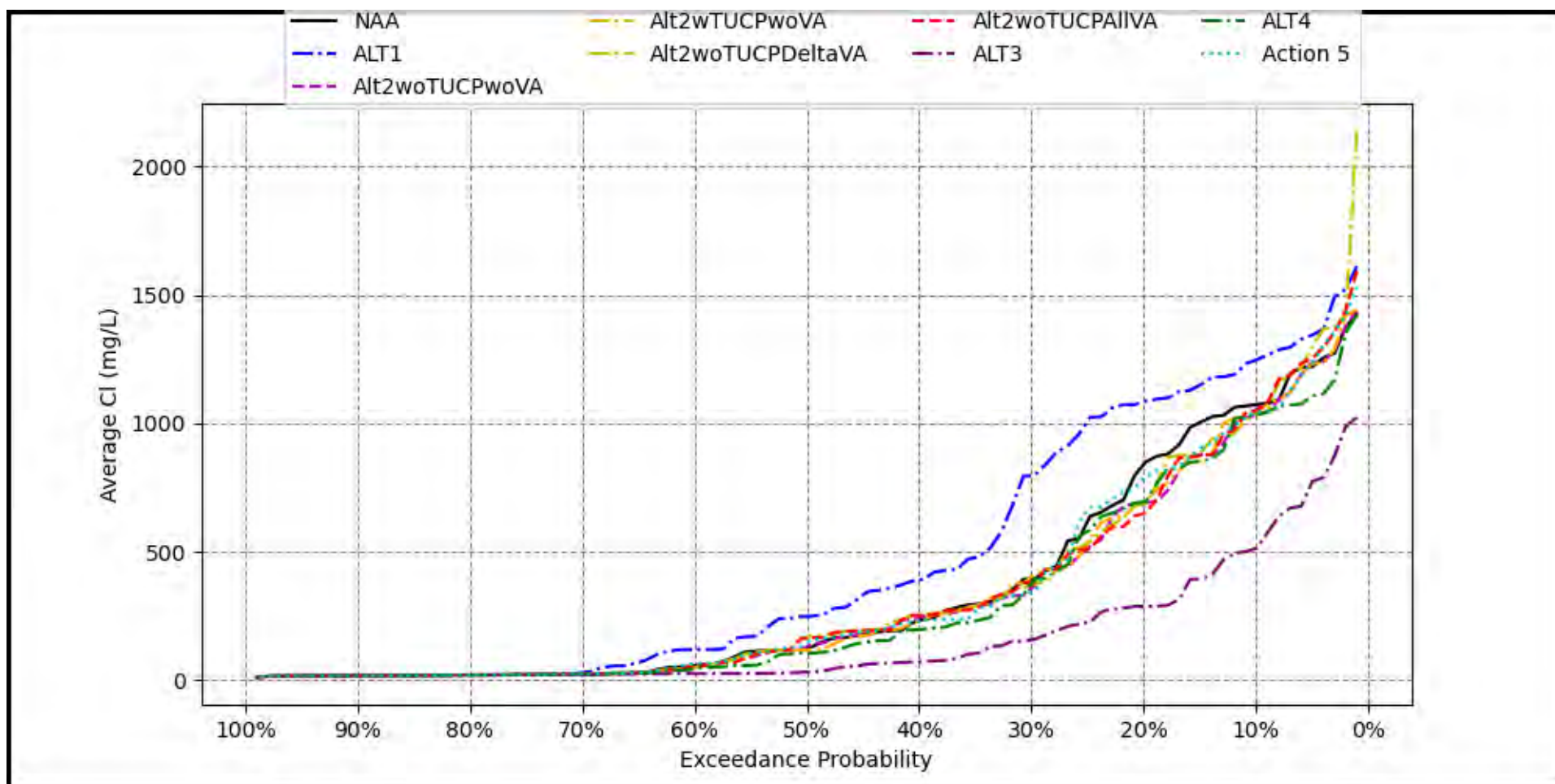
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-4-2 San Joaquin River at Antioch Chloride, November Cl



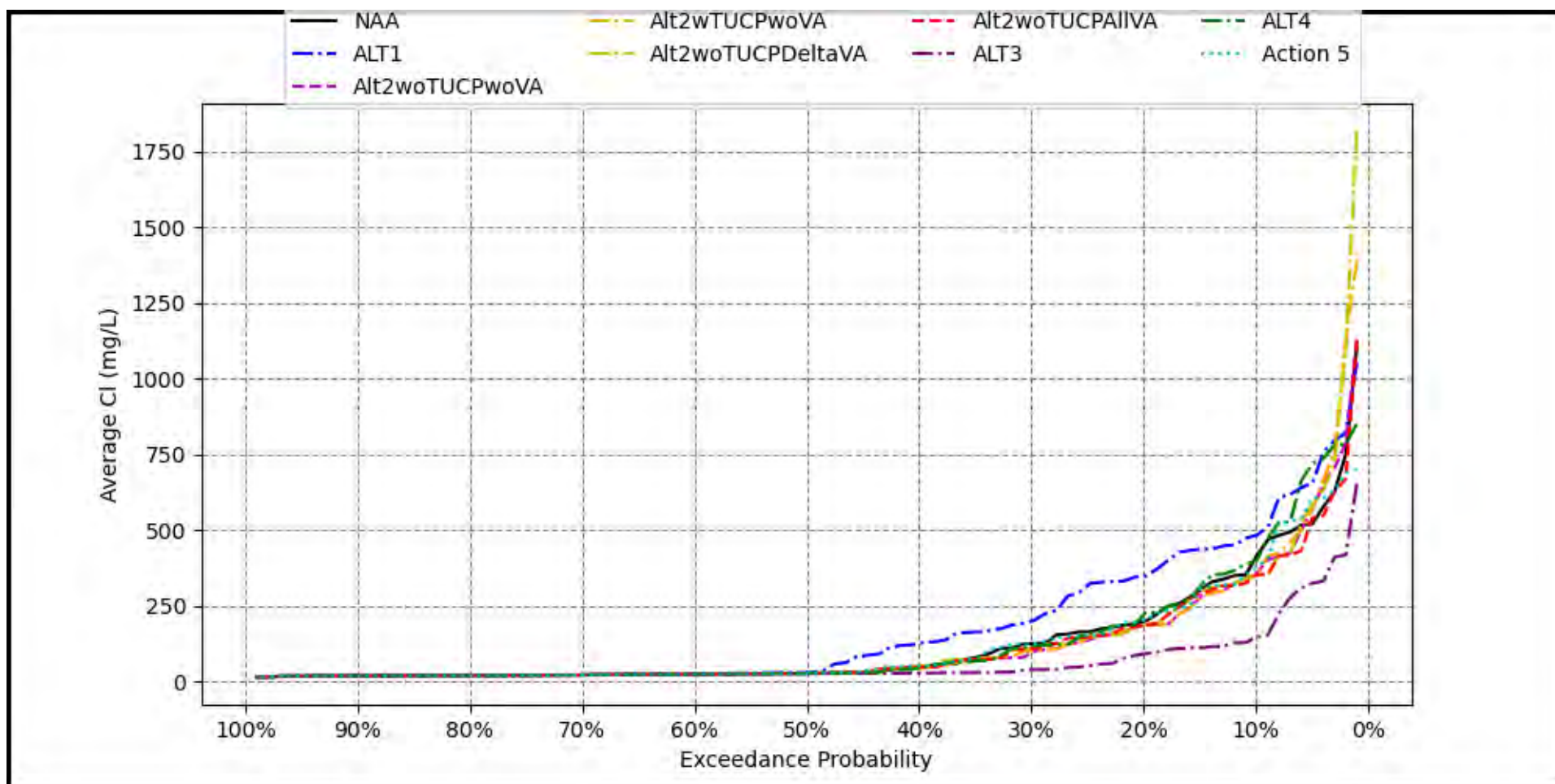
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-4-3 San Joaquin River at Antioch Chloride, December Cl



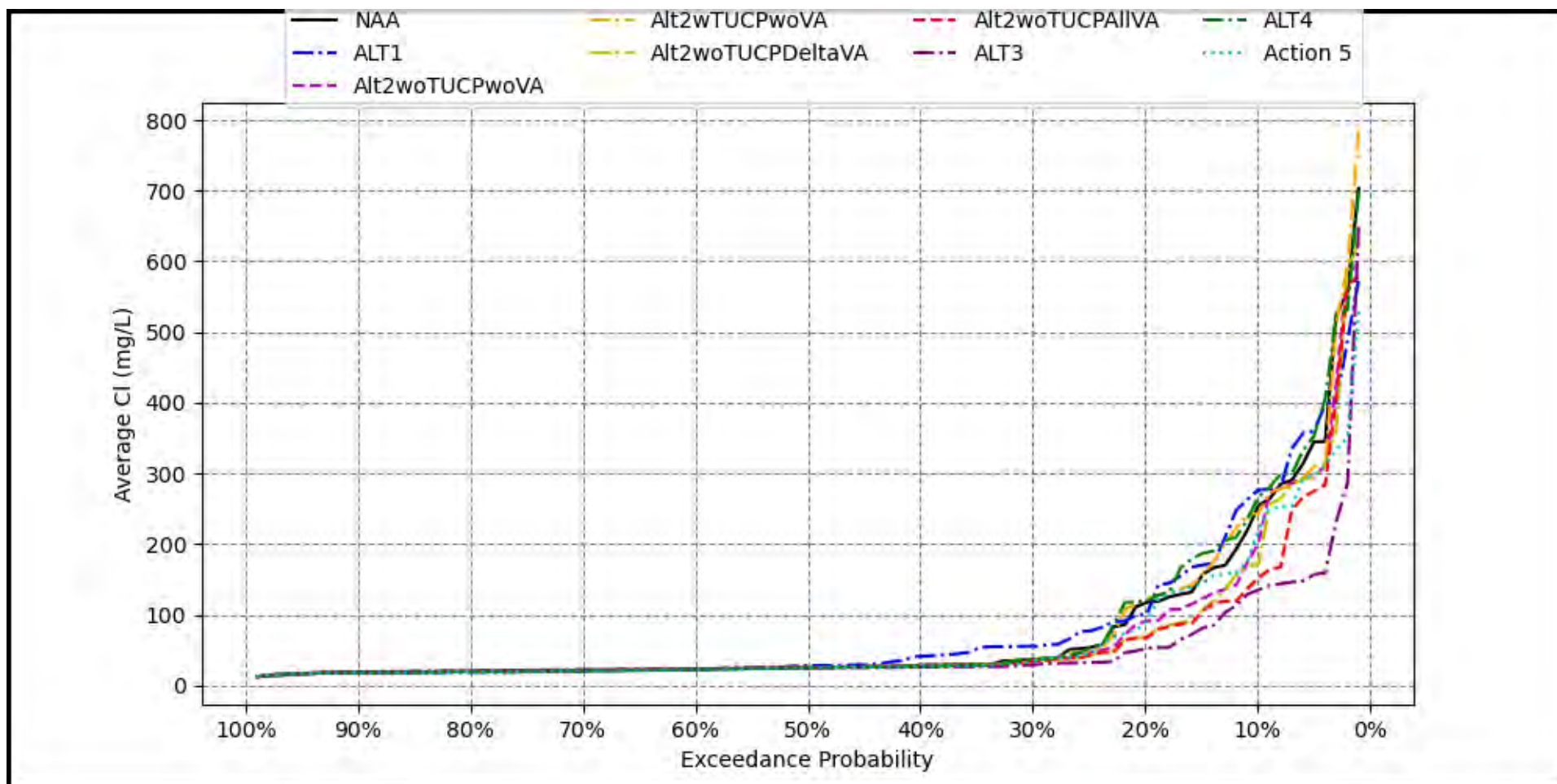
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-4-4 San Joaquin River at Antioch Chloride, January Cl



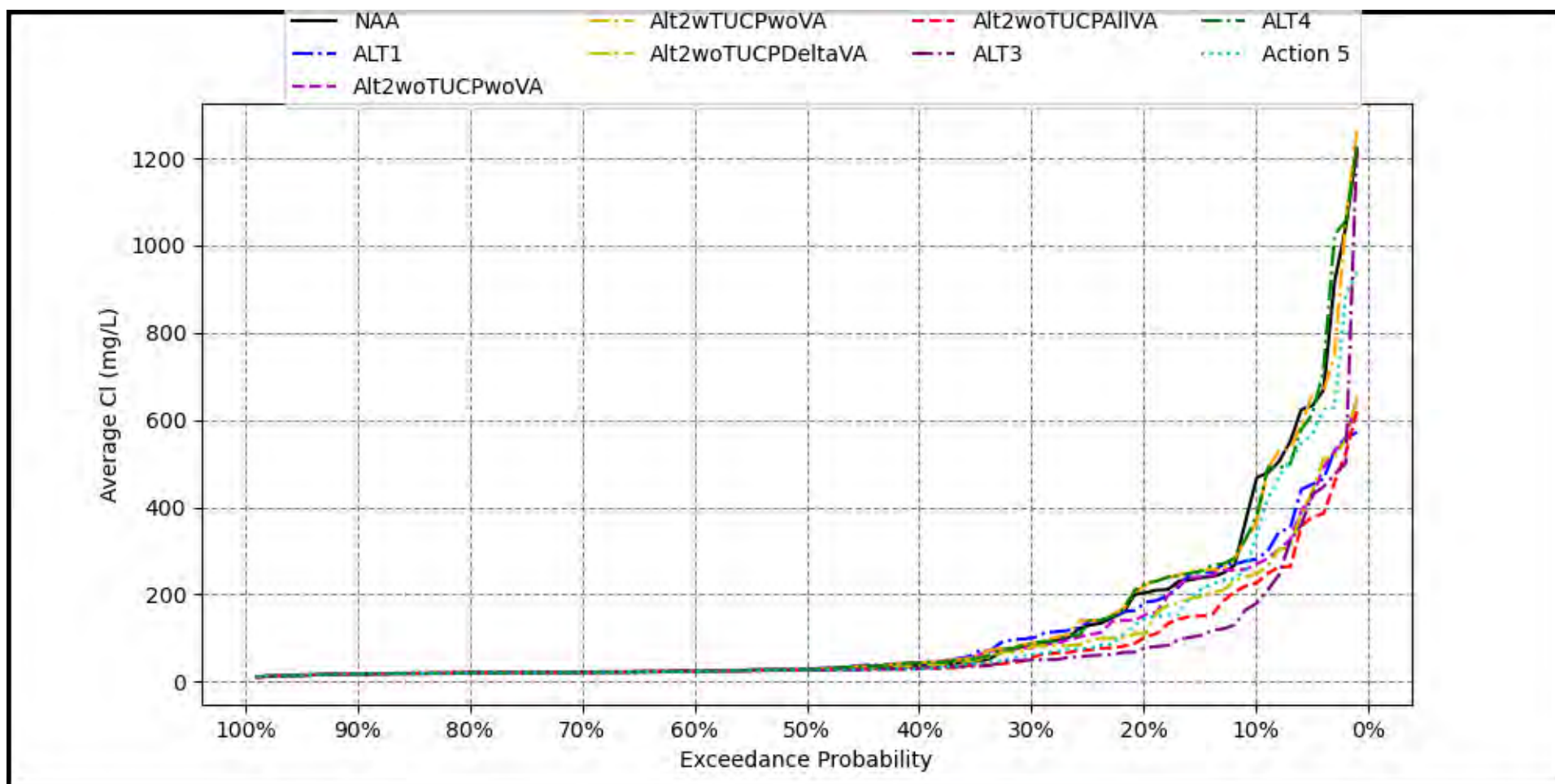
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-4-5 San Joaquin River at Antioch Chloride, February Cl



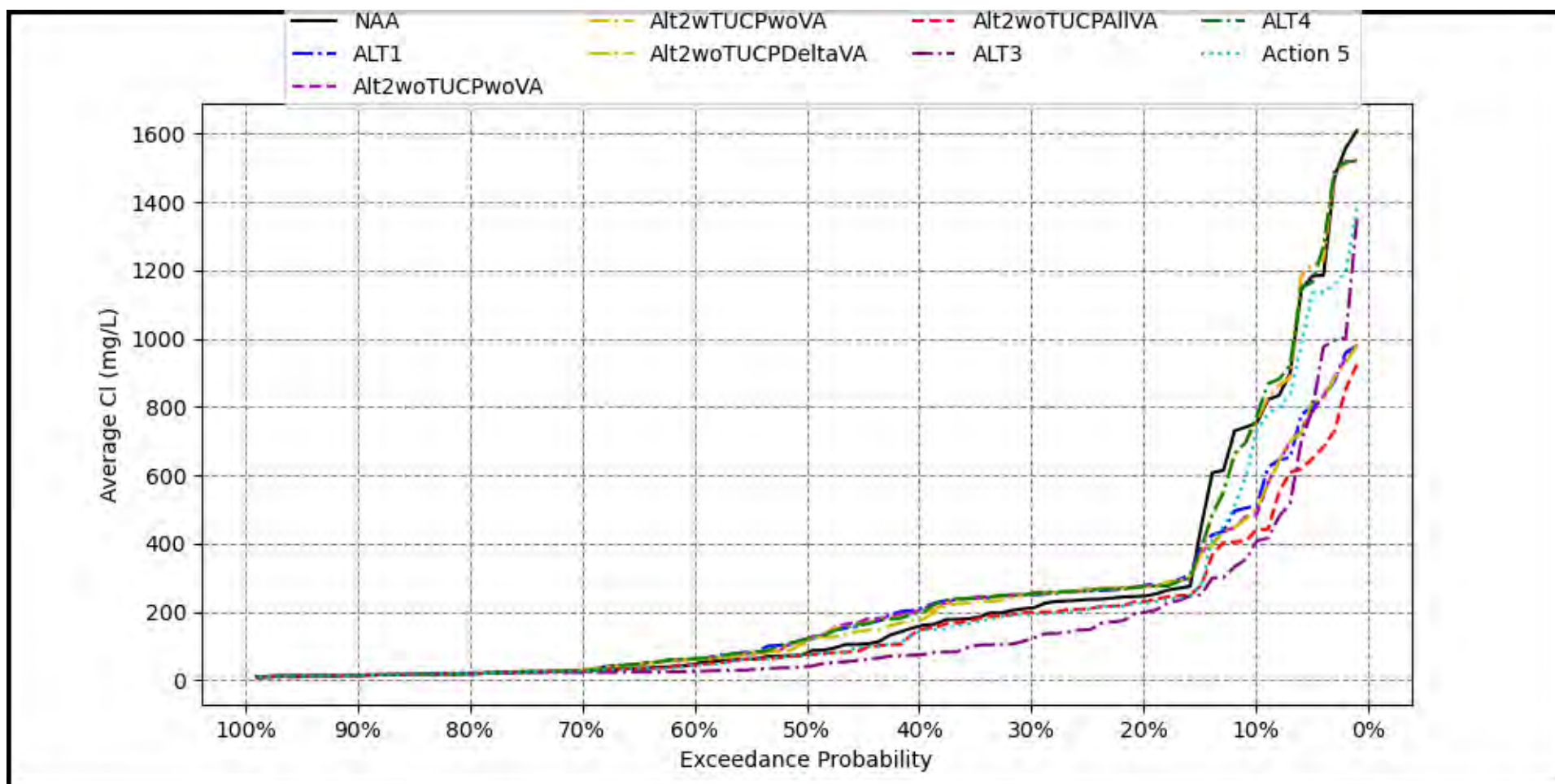
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-4-6 San Joaquin River at Antioch Chloride, March Cl



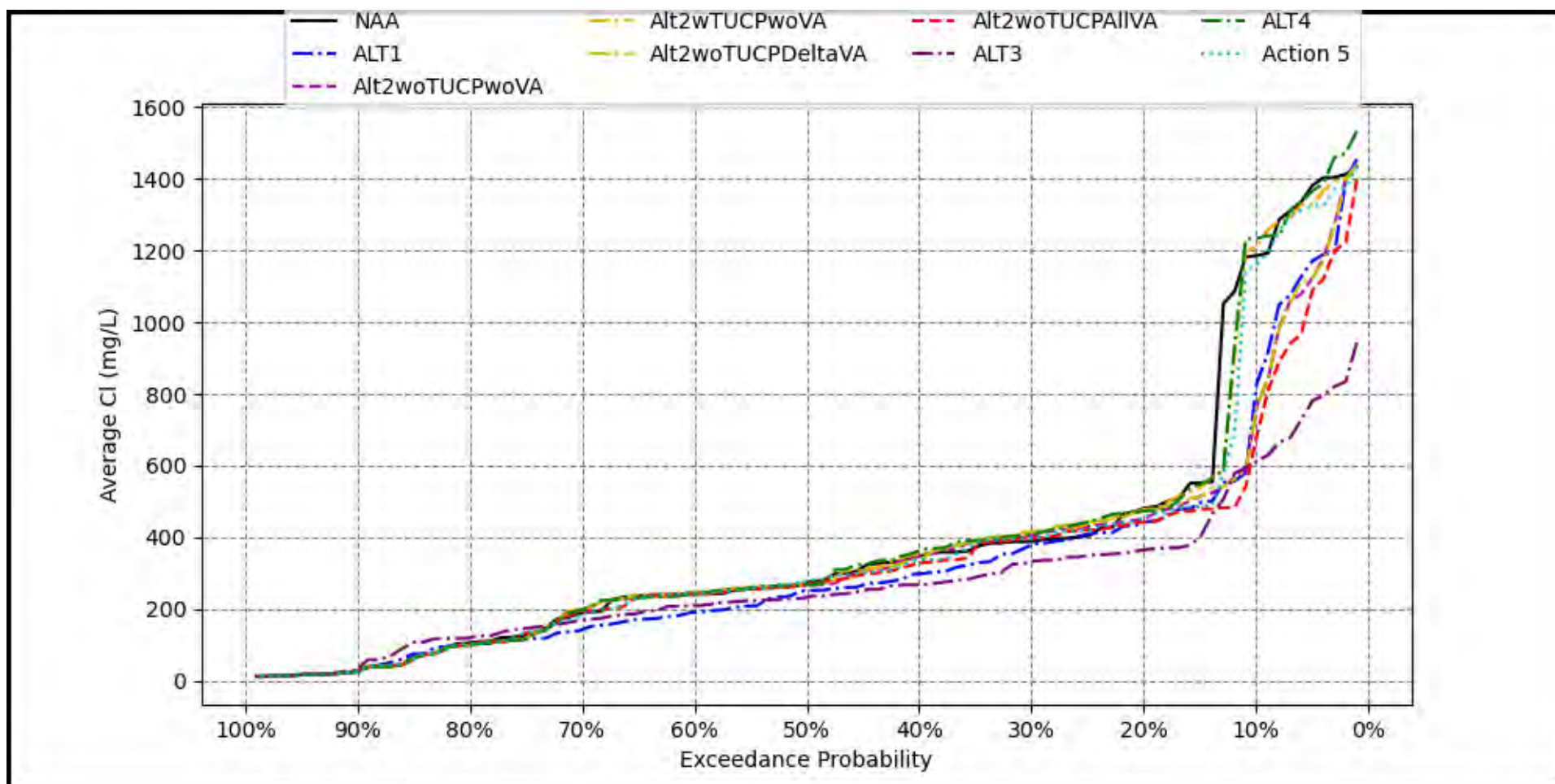
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-4-7 San Joaquin River at Antioch Chloride, April Cl



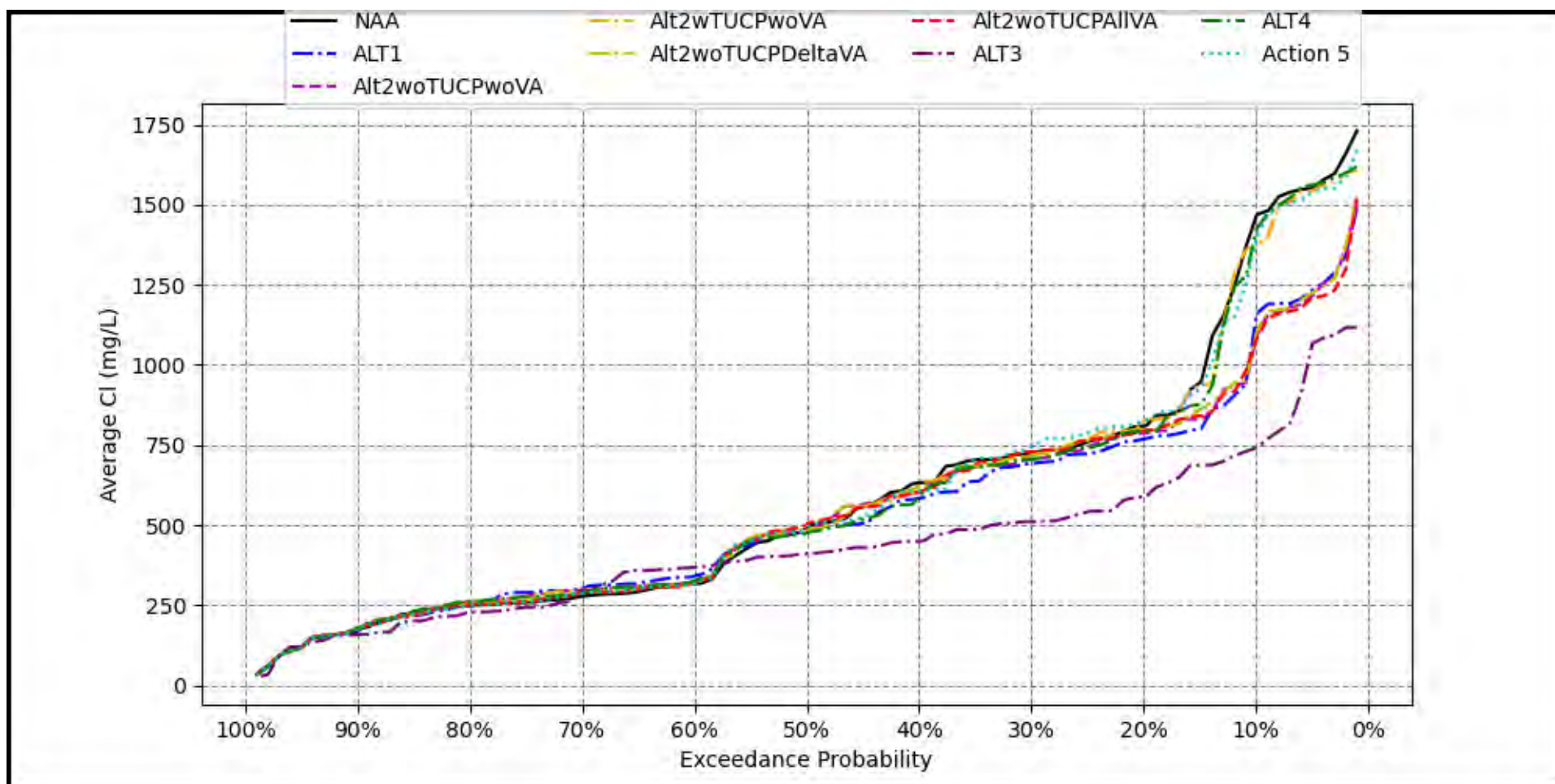
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-4-8 San Joaquin River at Antioch Chloride, May Cl



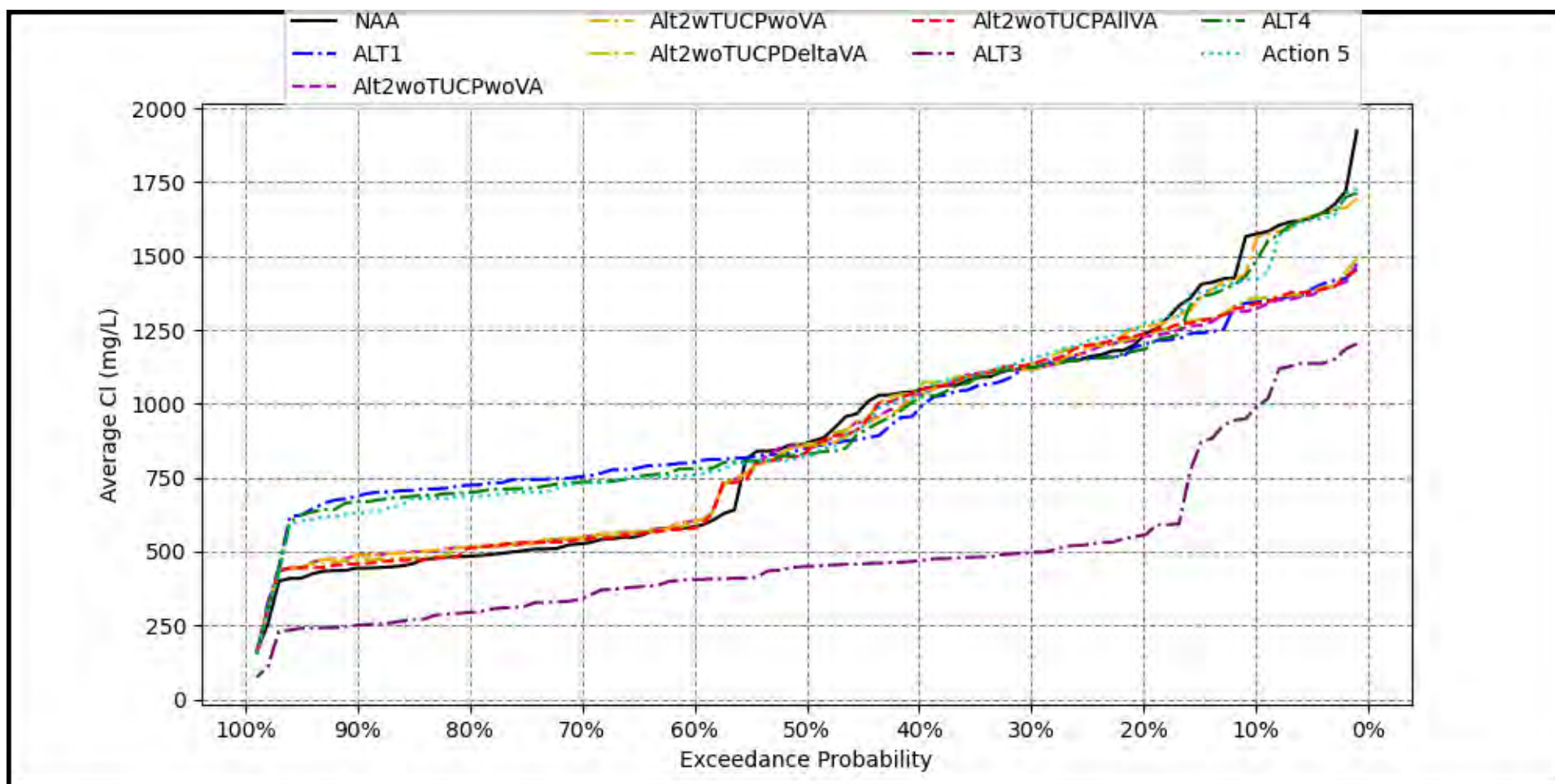
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-4-9 San Joaquin River at Antioch Chloride, June Cl



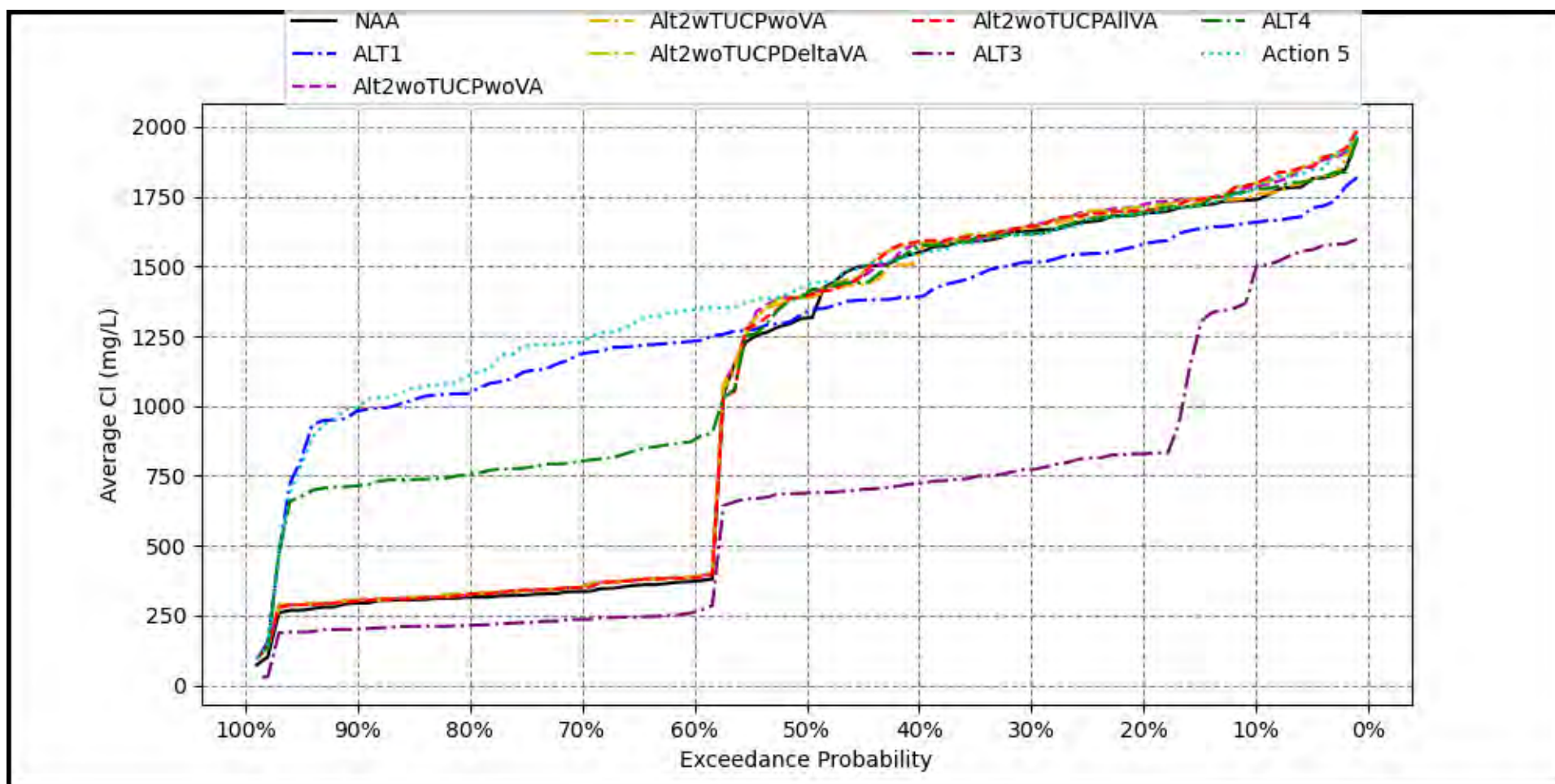
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-4-10 San Joaquin River at Antioch Chloride, July Cl



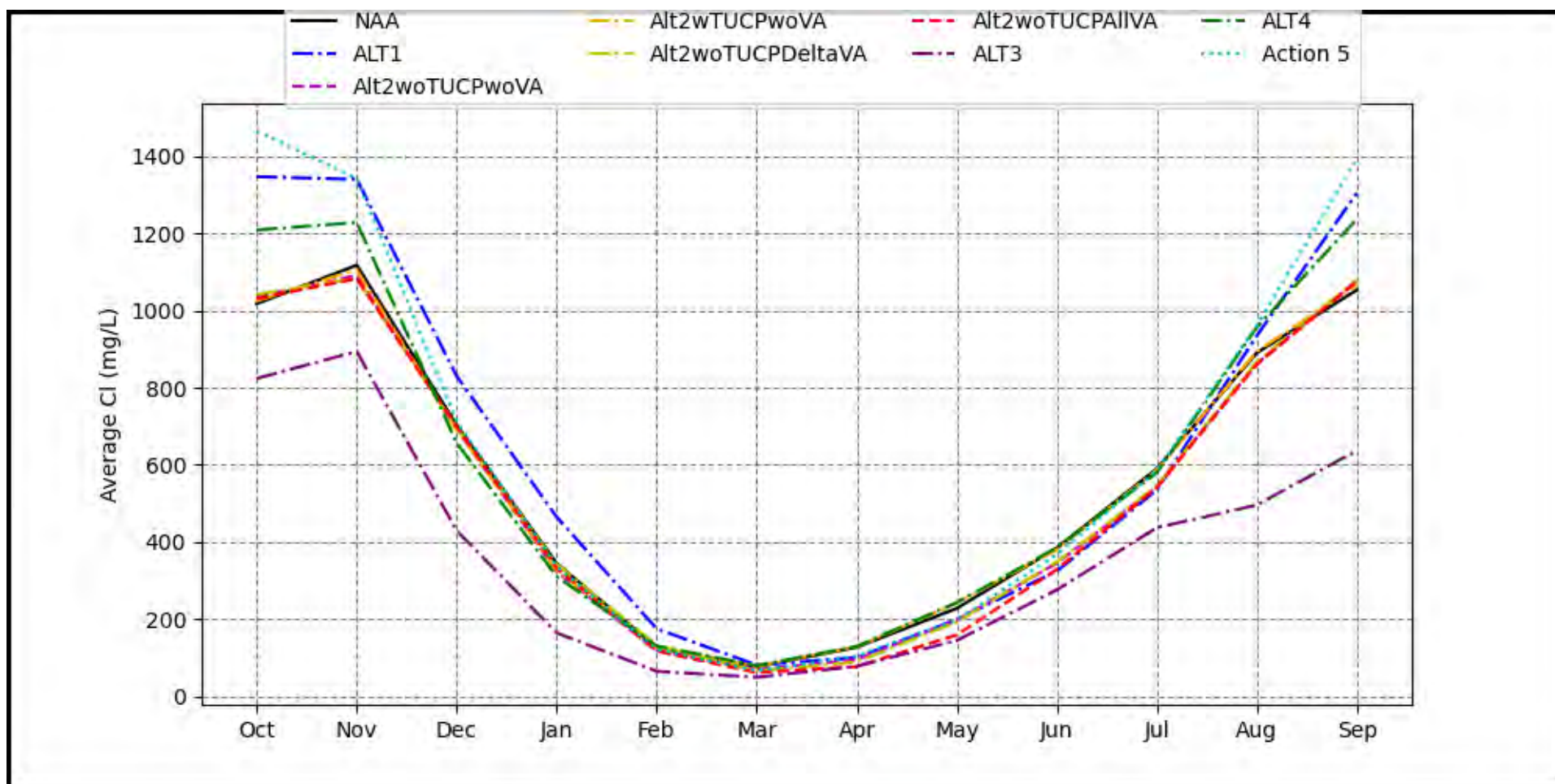
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-4-11 San Joaquin River at Antioch Chloride, August Cl



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

Figure F.2.7-4-12 San Joaquin River at Antioch Chloride, September Cl

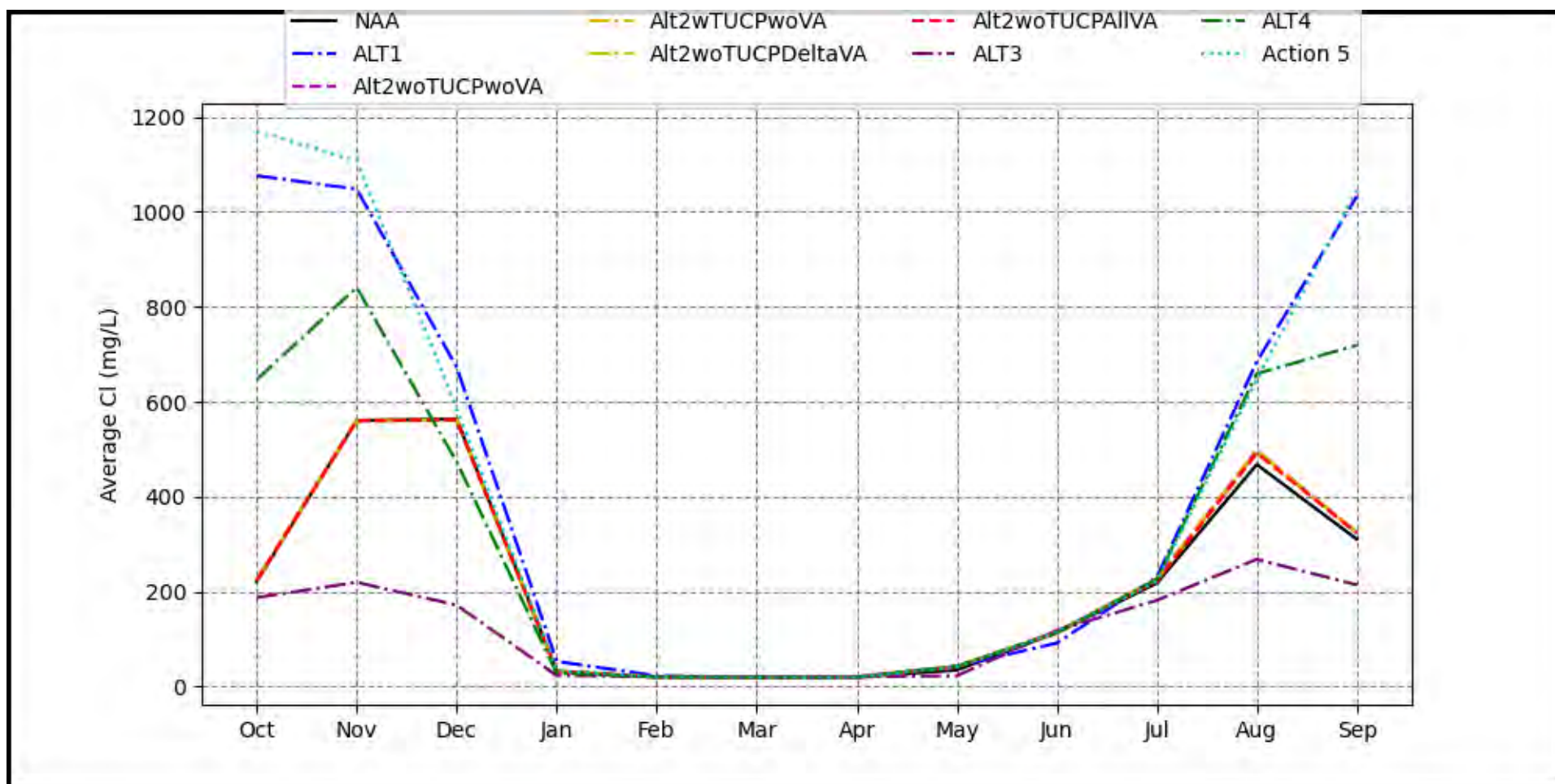


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.7-4-13 San Joaquin River at Antioch Chloride, Long Term Average Cl (mg/L)

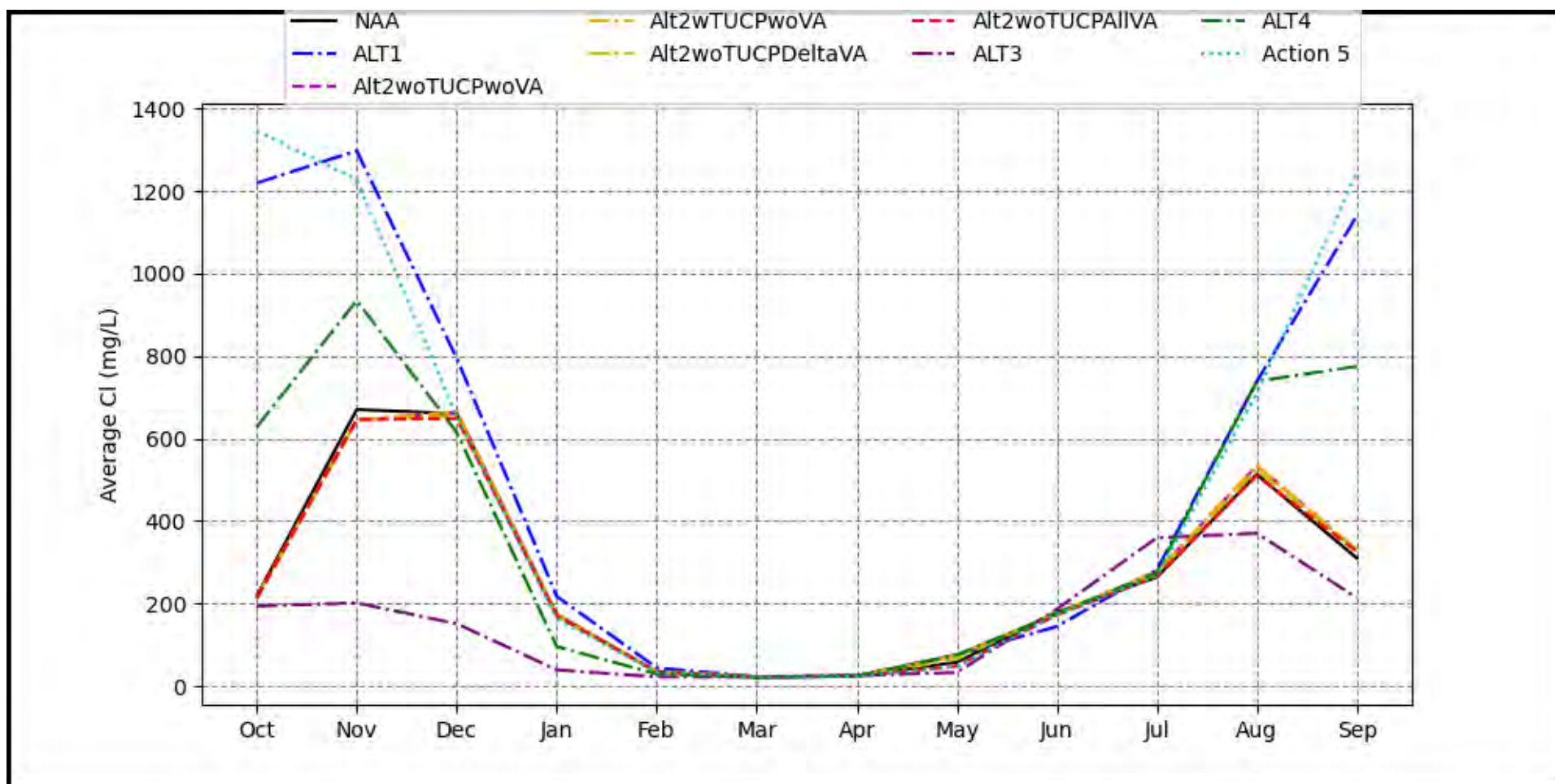


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.7-4-14 San Joaquin River at Antioch Chloride, Wet Year Average Cl (mg/L)

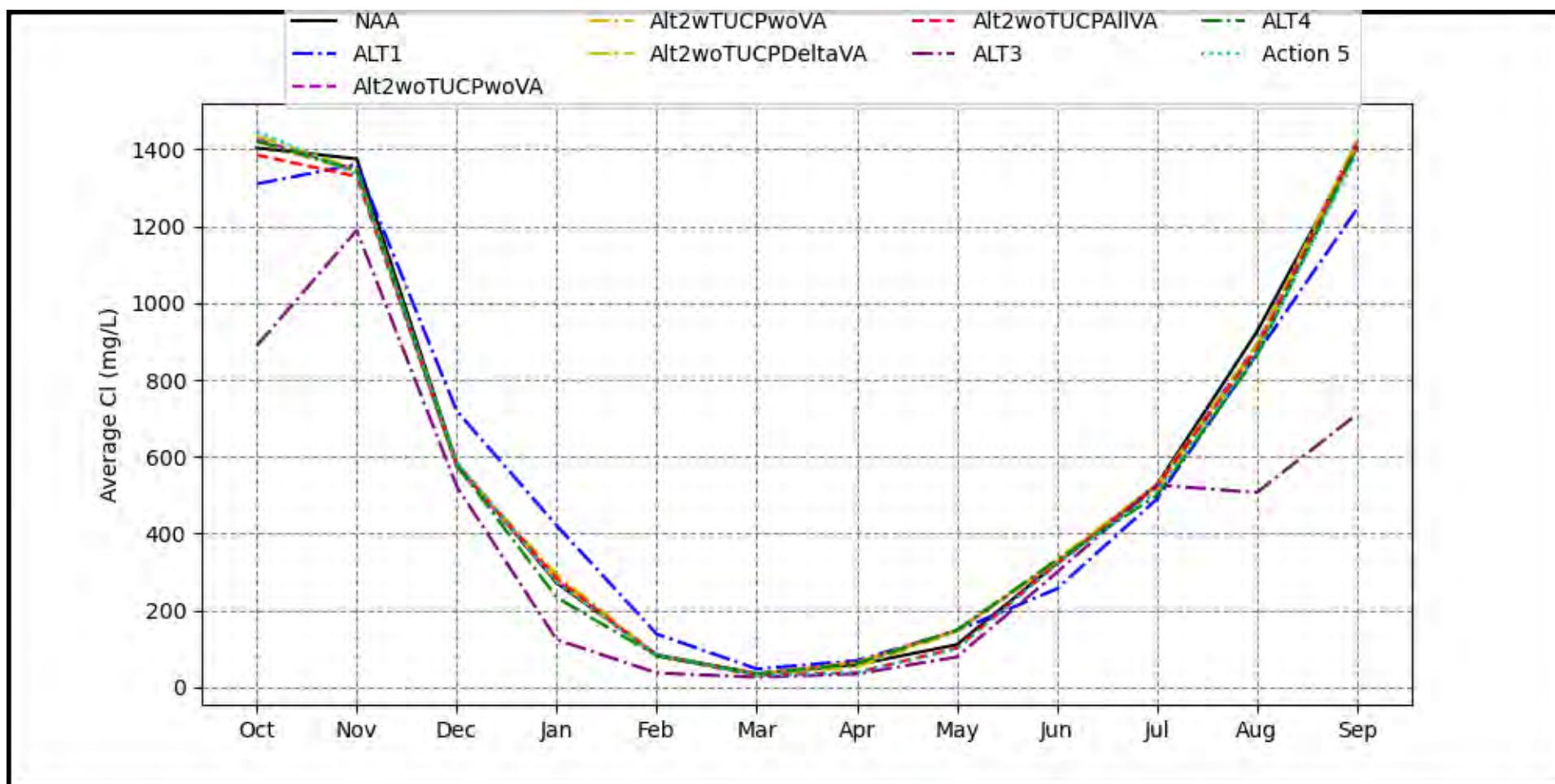


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.7-4-15 San Joaquin River at Antioch Chloride, Above Normal Year Average Cl (mg/L)

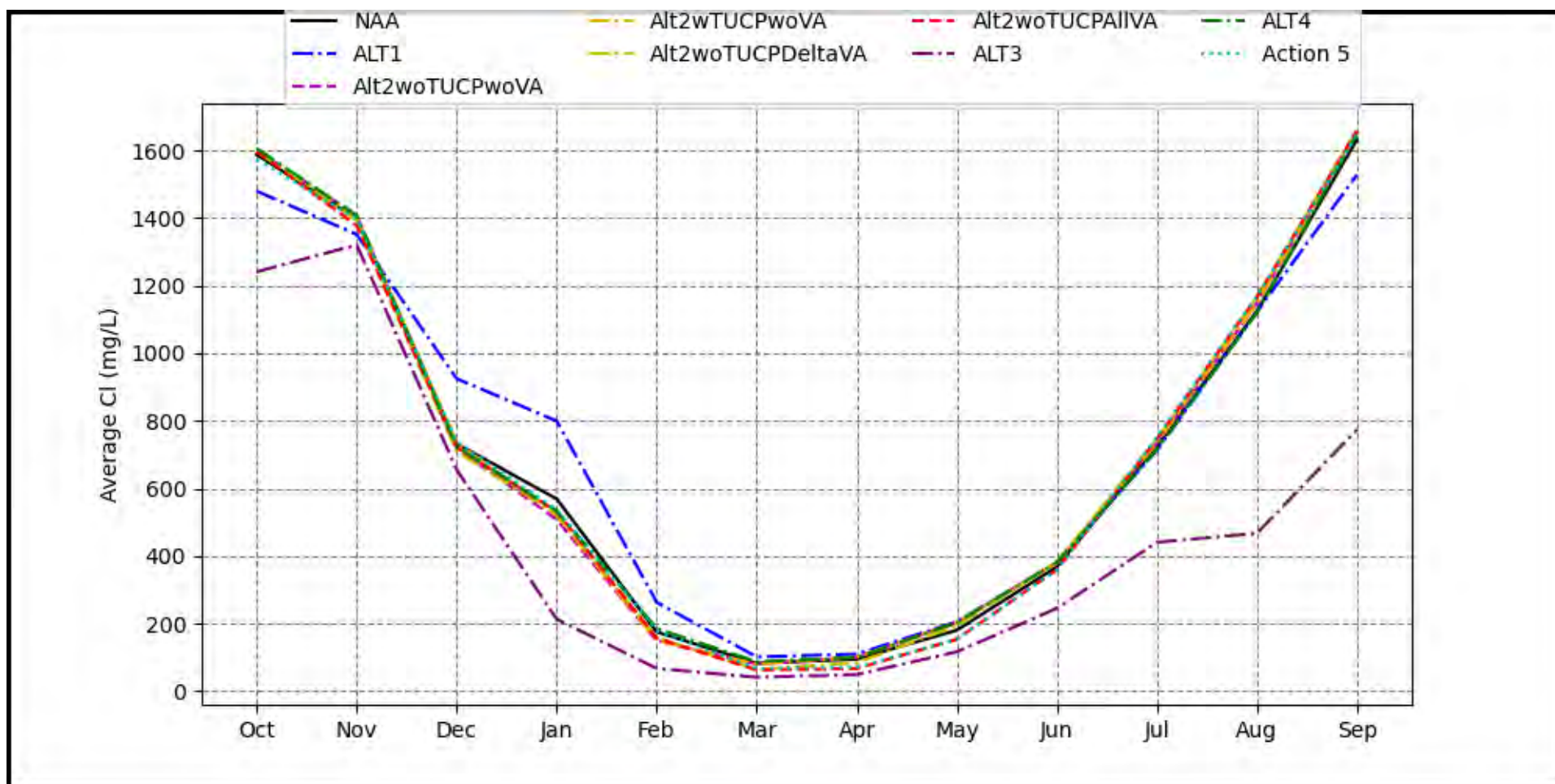


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.7-4-16 San Joaquin River at Antioch Chloride, Below Normal Year Average Cl (mg/L)

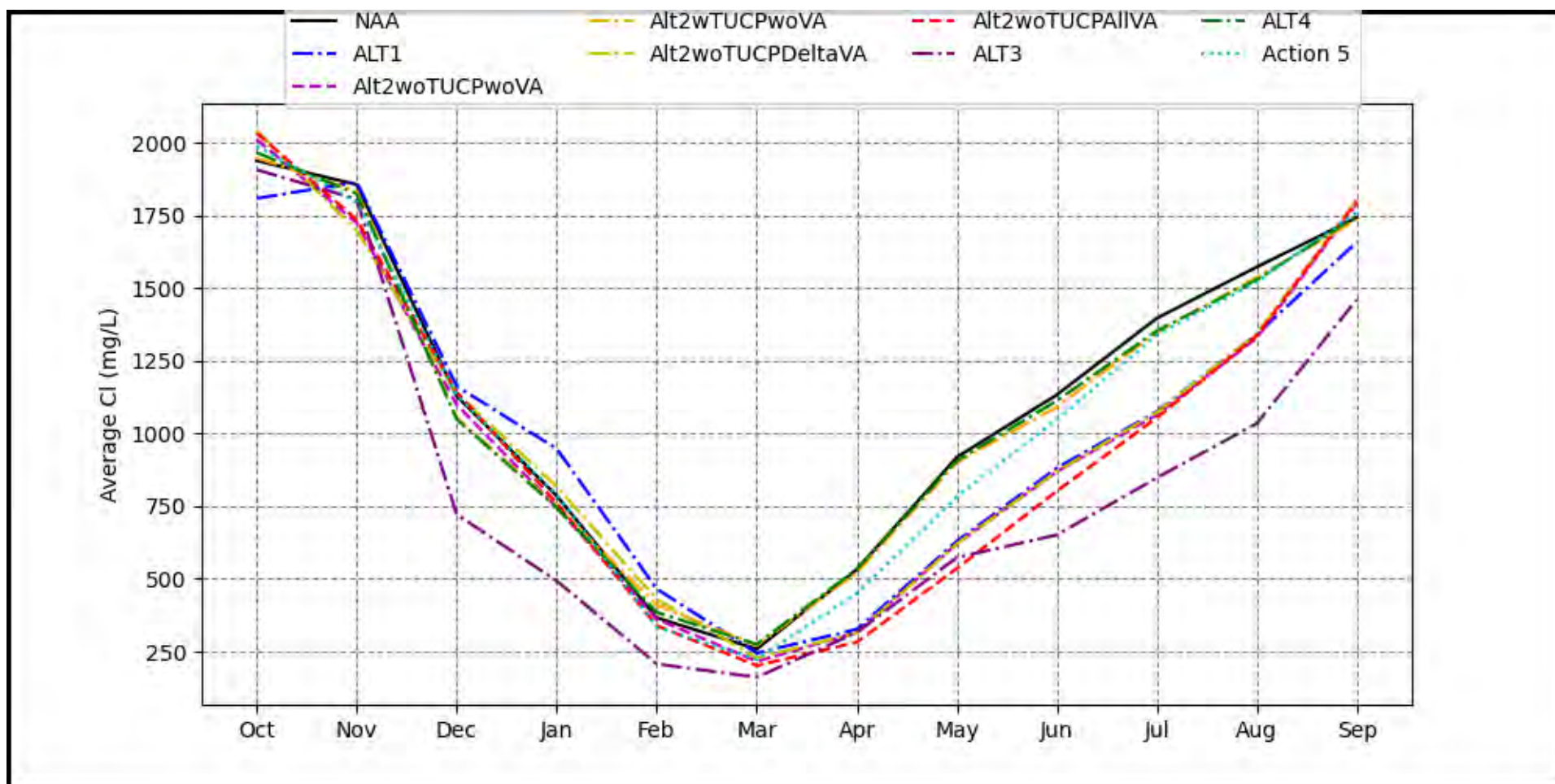


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.7-4-17 San Joaquin River at Antioch Chloride, Dry Year Average Cl (mg/L)



*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.7-4-18 San Joaquin River at Antioch Chloride, Critical Year Average Cl (mg/L)

F.2.7-5 Banks Pumping Plant South Delta Exports Chloride

Table F.2.7-5-1 a. Banks Pumping Plant South Delta Exports Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	120	144	167	182	146	98	94	88	80	91	106	114
20% Exceedance	110	124	159	156	127	87	79	82	54	45	65	94
30% Exceedance	108	118	149	142	97	79	74	76	49	39	54	84
40% Exceedance	101	110	139	129	89	73	69	69	47	36	48	78
50% Exceedance	93	99	129	112	81	68	67	66	46	34	39	65
60% Exceedance	34	40	112	80	65	63	63	62	43	31	33	45
70% Exceedance	30	34	96	66	55	58	57	55	40	29	29	35
80% Exceedance	28	31	79	55	39	50	43	45	34	28	28	34
90% Exceedance	27	30	49	34	26	28	18	14	20	26	27	32
Full Simulation Period Average^a	74	82	117	106	83	68	63	61	48	43	51	66
Wet Years (27.7%)	28	33	85	63	48	42	34	30	28	29	29	34
Above Normal Years (13.9%)	30	33	105	106	76	66	66	65	43	28	28	36
Below Normal Years (17.8%)	102	104	123	114	82	71	69	65	45	34	46	82
Dry Years (23.8%)	103	113	126	130	102	77	71	71	48	39	57	77
Critical Years (15.8%)	122	146	170	140	123	100	94	94	93	97	105	115

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-5-1 b. Banks Pumping Plant South Delta Exports Chloride, ALT1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	116	152	177	168	163	98	94	78	70	72	83	95
20% Exceedance	111	134	168	155	130	85	73	70	54	44	62	91
30% Exceedance	108	122	156	144	104	75	67	63	44	40	58	88
40% Exceedance	106	116	148	129	85	60	61	58	40	36	53	85
50% Exceedance	104	112	140	107	67	53	56	54	38	32	44	82
60% Exceedance	101	107	131	73	55	47	49	50	34	30	40	79
70% Exceedance	100	101	116	55	45	43	45	41	30	28	37	76
80% Exceedance	93	92	76	40	32	35	37	34	29	27	34	70
90% Exceedance	83	72	48	28	26	27	21	14	19	26	32	61
Full Simulation Period Average^a	100	111	127	100	83	61	57	52	41	40	51	80
Wet Years (27.7%)	89	91	103	55	41	33	31	26	24	29	34	72
Above Normal Years (13.9%)	101	102	127	94	60	50	54	50	33	27	37	85
Below Normal Years (17.8%)	98	107	122	99	79	59	56	53	38	32	50	78
Dry Years (23.8%)	105	115	128	131	110	69	63	60	43	40	58	80
Critical Years (15.8%)	111	151	174	139	137	109	97	85	78	80	81	91

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-5-1 c. Banks Pumping Plant South Delta Exports Chloride, ALT1 Minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-4	8	11	-14	17	0	0	-10	-10	-19	-23	-19
20% Exceedance	0	10	10	-1	3	-2	-6	-11	0	0	-3	-3
30% Exceedance	0	4	8	1	7	-4	-7	-12	-5	1	4	4
40% Exceedance	5	5	9	0	-4	-12	-8	-11	-7	0	5	7
50% Exceedance	11	13	12	-5	-14	-15	-11	-12	-8	-2	4	17
60% Exceedance	67	67	19	-7	-10	-15	-14	-12	-9	-1	7	34
70% Exceedance	70	67	20	-11	-10	-15	-13	-13	-9	0	8	41
80% Exceedance	64	61	-3	-15	-7	-14	-6	-11	-5	-1	6	36
90% Exceedance	56	42	0	-5	1	-1	2	0	-1	0	5	29
Full Simulation Period Average^a	26	29	9	-6	0	-8	-6	-10	-7	-3	0	14
Wet Years (27.7%)	61	58	17	-7	-7	-9	-3	-5	-4	0	5	38
Above Normal Years (13.9%)	71	69	22	-12	-15	-17	-12	-16	-10	-1	9	49
Below Normal Years (17.8%)	-4	3	-1	-15	-3	-13	-13	-12	-7	-2	4	-3
Dry Years (23.8%)	2	3	3	0	8	-8	-8	-10	-5	0	1	3
Critical Years (15.8%)	-12	5	4	0	14	9	3	-9	-15	-17	-24	-24

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-5-2 a. Banks Pumping Plant South Delta Exports Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	120	144	167	182	146	98	94	88	80	91	106	114
20% Exceedance	110	124	159	156	127	87	79	82	54	45	65	94
30% Exceedance	108	118	149	142	97	79	74	76	49	39	54	84
40% Exceedance	101	110	139	129	89	73	69	69	47	36	48	78
50% Exceedance	93	99	129	112	81	68	67	66	46	34	39	65
60% Exceedance	34	40	112	80	65	63	63	62	43	31	33	45
70% Exceedance	30	34	96	66	55	58	57	55	40	29	29	35
80% Exceedance	28	31	79	55	39	50	43	45	34	28	28	34
90% Exceedance	27	30	49	34	26	28	18	14	20	26	27	32
Full Simulation Period Average^a	74	82	117	106	83	68	63	61	48	43	51	66
Wet Years (27.7%)	28	33	85	63	48	42	34	30	28	29	29	34
Above Normal Years (13.9%)	30	33	105	106	76	66	66	65	43	28	28	36
Below Normal Years (17.8%)	102	104	123	114	82	71	69	65	45	34	46	82
Dry Years (23.8%)	103	113	126	130	102	77	71	71	48	39	57	77
Critical Years (15.8%)	122	146	170	140	123	100	94	94	93	97	105	115

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-5-2 b. Banks Pumping Plant South Delta Exports Chloride, Alt2woTUCPwoVA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	113	141	170	179	149	102	88	79	72	70	83	96
20% Exceedance	109	126	157	159	122	89	79	71	53	45	62	90
30% Exceedance	106	119	145	140	97	79	74	66	47	41	54	84
40% Exceedance	101	108	134	128	88	73	69	63	45	37	51	78
50% Exceedance	95	95	125	113	83	69	67	59	43	34	43	67
60% Exceedance	36	40	112	81	68	64	62	55	39	32	35	50
70% Exceedance	30	34	93	66	57	59	52	44	36	29	30	40
80% Exceedance	29	31	79	55	40	49	44	36	30	28	29	38
90% Exceedance	28	30	48	34	25	28	23	14	19	27	28	34
Full Simulation Period Average^a	73	82	115	107	83	69	63	54	44	41	49	64
Wet Years (27.7%)	29	33	85	62	47	41	34	26	26	29	30	36
Above Normal Years (13.9%)	31	33	102	105	76	65	62	52	39	29	30	41
Below Normal Years (17.8%)	103	105	121	115	84	72	68	57	42	35	48	81
Dry Years (23.8%)	105	114	127	131	102	78	71	65	46	41	60	81
Critical Years (15.8%)	109	141	160	142	124	106	96	86	79	81	81	91

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-5-2 c. Banks Pumping Plant South Delta Exports Chloride, Alt2woTUCPwoVA Minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-7	-3	3	-3	3	3	-6	-9	-8	-21	-23	-18
20% Exceedance	-2	2	-1	3	-5	2	0	-11	-1	0	-3	-4
30% Exceedance	-2	1	-4	-3	1	0	0	-9	-2	2	0	0
40% Exceedance	0	-3	-4	-1	-1	0	0	-6	-2	1	3	0
50% Exceedance	2	-4	-4	1	2	1	-1	-7	-3	0	3	3
60% Exceedance	2	0	0	1	3	1	-2	-7	-4	1	2	4
70% Exceedance	0	0	-3	1	2	1	-6	-10	-4	0	1	5
80% Exceedance	1	0	0	1	1	0	2	-9	-4	0	1	3
90% Exceedance	0	0	0	0	-1	1	4	0	-1	0	1	2
Full Simulation Period Average^a	-1	0	-2	0	0	1	0	-7	-4	-2	-2	-2
Wet Years (27.7%)	0	0	-1	-1	0	-1	0	-4	-2	0	1	2
Above Normal Years (13.9%)	1	0	-3	-1	0	-1	-4	-13	-4	0	2	4
Below Normal Years (17.8%)	1	0	-2	1	2	1	-1	-8	-3	0	2	-1
Dry Years (23.8%)	2	2	1	1	0	2	0	-6	-2	1	2	4
Critical Years (15.8%)	-13	-6	-10	2	1	6	2	-8	-14	-17	-24	-23

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-5-3 a. Banks Pumping Plant South Delta Exports Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	120	144	167	182	146	98	94	88	80	91	106	114
20% Exceedance	110	124	159	156	127	87	79	82	54	45	65	94
30% Exceedance	108	118	149	142	97	79	74	76	49	39	54	84
40% Exceedance	101	110	139	129	89	73	69	69	47	36	48	78
50% Exceedance	93	99	129	112	81	68	67	66	46	34	39	65
60% Exceedance	34	40	112	80	65	63	63	62	43	31	33	45
70% Exceedance	30	34	96	66	55	58	57	55	40	29	29	35
80% Exceedance	28	31	79	55	39	50	43	45	34	28	28	34
90% Exceedance	27	30	49	34	26	28	18	14	20	26	27	32
Full Simulation Period Average^a	74	82	117	106	83	68	63	61	48	43	51	66
Wet Years (27.7%)	28	33	85	63	48	42	34	30	28	29	29	34
Above Normal Years (13.9%)	30	33	105	106	76	66	66	65	43	28	28	36
Below Normal Years (17.8%)	102	104	123	114	82	71	69	65	45	34	46	82
Dry Years (23.8%)	103	113	126	130	102	77	71	71	48	39	57	77
Critical Years (15.8%)	122	146	170	140	123	100	94	94	93	97	105	115

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-5-3 b. Banks Pumping Plant South Delta Exports Chloride, Alt2wTUCPwoVA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	118	146	167	178	149	100	91	83	76	85	103	114
20% Exceedance	112	127	157	158	122	88	80	71	53	44	66	94
30% Exceedance	107	117	146	144	97	80	73	66	47	41	55	85
40% Exceedance	103	107	138	133	89	73	69	63	45	37	52	80
50% Exceedance	95	96	127	112	83	69	67	59	43	34	43	69
60% Exceedance	36	40	112	81	68	64	62	55	39	31	35	49
70% Exceedance	30	34	94	66	58	59	51	43	36	29	30	40
80% Exceedance	29	31	79	55	40	49	44	36	29	28	29	38
90% Exceedance	28	30	48	34	25	28	23	14	19	27	28	34
Full Simulation Period Average^a	75	82	116	106	83	69	63	55	46	43	52	68
Wet Years (27.7%)	29	33	85	61	47	41	34	26	26	29	30	36
Above Normal Years (13.9%)	31	33	102	105	76	65	62	52	39	29	30	41
Below Normal Years (17.8%)	103	103	121	112	83	73	69	57	42	34	48	82
Dry Years (23.8%)	105	114	128	133	103	79	71	65	46	41	60	81
Critical Years (15.8%)	121	146	163	139	122	105	97	93	91	95	101	111

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-5-3 c. Banks Pumping Plant South Delta Exports Chloride, Alt2wTUCPwoVA Minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2	2	0	-4	3	1	-3	-5	-4	-6	-3	0
20% Exceedance	2	3	-2	2	-5	1	1	-11	-1	0	0	0
30% Exceedance	-1	-1	-3	2	0	1	-1	-9	-2	2	1	1
40% Exceedance	2	-3	-1	4	0	0	0	-6	-2	1	4	2
50% Exceedance	2	-3	-2	1	2	1	-1	-7	-3	0	4	5
60% Exceedance	2	0	0	1	3	1	-2	-7	-4	1	2	4
70% Exceedance	0	0	-2	1	2	1	-7	-12	-4	0	1	5
80% Exceedance	1	0	0	1	1	0	2	-9	-4	0	1	3
90% Exceedance	0	0	0	0	-1	1	4	0	-1	0	1	2
Full Simulation Period Average^a	1	0	-1	0	0	1	0	-6	-3	0	1	2
Wet Years (27.7%)	0	0	-1	-1	0	-1	0	-4	-2	0	1	2
Above Normal Years (13.9%)	1	0	-2	-1	0	-1	-4	-13	-4	0	2	4
Below Normal Years (17.8%)	1	-1	-2	-1	1	1	0	-8	-3	0	3	0
Dry Years (23.8%)	2	2	2	3	1	2	0	-6	-2	1	2	4
Critical Years (15.8%)	-2	0	-7	-1	0	5	3	-1	-2	-2	-4	-3

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-5-4 a. Banks Pumping Plant South Delta Exports Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	120	144	167	182	146	98	94	88	80	91	106	114
20% Exceedance	110	124	159	156	127	87	79	82	54	45	65	94
30% Exceedance	108	118	149	142	97	79	74	76	49	39	54	84
40% Exceedance	101	110	139	129	89	73	69	69	47	36	48	78
50% Exceedance	93	99	129	112	81	68	67	66	46	34	39	65
60% Exceedance	34	40	112	80	65	63	63	62	43	31	33	45
70% Exceedance	30	34	96	66	55	58	57	55	40	29	29	35
80% Exceedance	28	31	79	55	39	50	43	45	34	28	28	34
90% Exceedance	27	30	49	34	26	28	18	14	20	26	27	32
Full Simulation Period Average^a	74	82	117	106	83	68	63	61	48	43	51	66
Wet Years (27.7%)	28	33	85	63	48	42	34	30	28	29	29	34
Above Normal Years (13.9%)	30	33	105	106	76	66	66	65	43	28	28	36
Below Normal Years (17.8%)	102	104	123	114	82	71	69	65	45	34	46	82
Dry Years (23.8%)	103	113	126	130	102	77	71	71	48	39	57	77
Critical Years (15.8%)	122	146	170	140	123	100	94	94	93	97	105	115

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-5-4 b. Banks Pumping Plant South Delta Exports Chloride, Alt2woTUCPDeltaVA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	114	145	163	178	149	111	111	90	74	69	83	99
20% Exceedance	110	127	157	158	123	101	99	83	59	47	65	92
30% Exceedance	107	118	147	142	99	90	92	79	51	41	58	86
40% Exceedance	104	109	133	126	89	82	85	76	49	38	51	80
50% Exceedance	94	97	123	113	81	78	79	73	47	35	45	69
60% Exceedance	35	41	112	81	67	72	71	62	43	32	36	48
70% Exceedance	29	34	93	67	58	65	62	49	37	29	30	39
80% Exceedance	29	32	79	55	40	50	46	38	30	28	29	37
90% Exceedance	28	30	48	34	25	28	19	14	19	27	28	33
Full Simulation Period Average^a	73	82	116	107	84	77	74	62	46	41	49	66
Wet Years (27.7%)	28	33	85	63	48	43	35	27	26	29	29	36
Above Normal Years (13.9%)	31	33	104	105	76	75	77	65	42	29	30	39
Below Normal Years (17.8%)	104	106	123	119	86	87	90	69	45	35	49	84
Dry Years (23.8%)	106	114	125	127	101	87	87	78	52	42	63	85
Critical Years (15.8%)	110	143	160	139	128	112	100	88	80	80	81	92

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-5-4 c. Banks Pumping Plant South Delta Exports Chloride, Alt2woTUCPDeltaVA Minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-6	1	-3	-5	3	13	18	2	-6	-22	-23	-15
20% Exceedance	0	3	-2	2	-4	14	20	1	5	2	0	-2
30% Exceedance	-1	0	-2	-1	2	11	18	4	2	2	4	2
40% Exceedance	3	-2	-5	-2	0	10	17	7	2	2	3	2
50% Exceedance	1	-3	-6	1	1	9	11	6	1	1	5	5
60% Exceedance	1	0	0	1	2	9	8	0	0	1	3	3
70% Exceedance	0	0	-3	1	2	7	5	-6	-2	0	1	4
80% Exceedance	0	0	0	1	0	0	3	-7	-4	0	1	3
90% Exceedance	1	0	0	0	-1	1	1	0	-1	1	1	1
Full Simulation Period Average^a	0	0	-2	0	1	9	10	1	-2	-2	-2	-1
Wet Years (27.7%)	0	0	0	1	0	1	1	-3	-2	0	1	2
Above Normal Years (13.9%)	1	0	-1	-1	0	8	11	-1	-1	1	2	3
Below Normal Years (17.8%)	2	1	0	5	3	16	20	3	0	1	3	2
Dry Years (23.8%)	4	2	0	-3	-1	11	17	8	4	2	6	8
Critical Years (15.8%)	-12	-4	-10	-1	6	12	6	-6	-14	-17	-24	-22

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-5-5 a. Banks Pumping Plant South Delta Exports Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	120	144	167	182	146	98	94	88	80	91	106	114
20% Exceedance	110	124	159	156	127	87	79	82	54	45	65	94
30% Exceedance	108	118	149	142	97	79	74	76	49	39	54	84
40% Exceedance	101	110	139	129	89	73	69	69	47	36	48	78
50% Exceedance	93	99	129	112	81	68	67	66	46	34	39	65
60% Exceedance	34	40	112	80	65	63	63	62	43	31	33	45
70% Exceedance	30	34	96	66	55	58	57	55	40	29	29	35
80% Exceedance	28	31	79	55	39	50	43	45	34	28	28	34
90% Exceedance	27	30	49	34	26	28	18	14	20	26	27	32
Full Simulation Period Average^a	74	82	117	106	83	68	63	61	48	43	51	66
Wet Years (27.7%)	28	33	85	63	48	42	34	30	28	29	29	34
Above Normal Years (13.9%)	30	33	105	106	76	66	66	65	43	28	28	36
Below Normal Years (17.8%)	102	104	123	114	82	71	69	65	45	34	46	82
Dry Years (23.8%)	103	113	126	130	102	77	71	71	48	39	57	77
Critical Years (15.8%)	122	146	170	140	123	100	94	94	93	97	105	115

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-5-5 b. Banks Pumping Plant South Delta Exports Chloride, Alt2woTUCPAIIVA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	114	144	164	176	148	111	111	91	73	66	82	98
20% Exceedance	109	129	155	158	122	100	99	84	58	45	64	92
30% Exceedance	105	115	145	141	99	92	92	79	50	41	57	86
40% Exceedance	102	106	134	127	89	83	84	77	48	38	50	80
50% Exceedance	97	94	124	112	81	77	79	73	46	35	44	70
60% Exceedance	34	40	113	81	68	72	72	61	43	32	36	47
70% Exceedance	29	34	94	67	58	66	62	48	37	29	30	39
80% Exceedance	29	31	79	55	40	50	46	38	30	28	29	37
90% Exceedance	28	30	45	34	25	28	19	14	19	27	28	33
Full Simulation Period Average^a	73	81	116	107	84	76	73	62	46	41	49	65
Wet Years (27.7%)	28	33	85	62	48	43	35	27	26	29	29	36
Above Normal Years (13.9%)	31	33	104	104	76	74	77	65	42	29	29	38
Below Normal Years (17.8%)	102	103	123	116	85	87	89	68	44	35	48	83
Dry Years (23.8%)	107	114	125	130	102	88	87	79	51	42	63	85
Critical Years (15.8%)	110	142	161	141	125	107	99	87	78	76	77	90

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-5-5 c. Banks Pumping Plant South Delta Exports Chloride, Alt2woTUCPAIIVA Minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-6	0	-2	-6	1	13	17	3	-7	-25	-24	-16
20% Exceedance	-1	5	-3	2	-5	13	20	2	4	0	-2	-2
30% Exceedance	-3	-4	-3	-1	2	13	18	4	1	2	3	2
40% Exceedance	1	-4	-4	-2	0	10	16	8	0	2	2	3
50% Exceedance	4	-5	-4	0	0	9	12	6	0	1	5	5
60% Exceedance	0	0	1	1	3	10	9	-1	-1	1	3	1
70% Exceedance	0	0	-2	1	3	8	4	-6	-3	1	0	4
80% Exceedance	0	0	0	1	1	0	3	-7	-4	0	0	3
90% Exceedance	0	0	-3	0	-1	1	1	0	-1	0	1	1
Full Simulation Period Average^a	-1	0	-2	0	1	8	10	0	-3	-3	-2	-1
Wet Years (27.7%)	0	0	0	-1	0	1	1	-3	-2	0	1	1
Above Normal Years (13.9%)	0	0	0	-1	0	8	10	-1	-1	1	1	2
Below Normal Years (17.8%)	0	-2	0	2	3	16	20	3	-1	1	2	1
Dry Years (23.8%)	4	2	0	0	0	11	17	8	3	2	6	8
Critical Years (15.8%)	-12	-4	-10	1	2	7	5	-7	-16	-22	-28	-24

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-5-6 a. Banks Pumping Plant South Delta Exports Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	120	144	167	182	146	98	94	88	80	91	106	114
20% Exceedance	110	124	159	156	127	87	79	82	54	45	65	94
30% Exceedance	108	118	149	142	97	79	74	76	49	39	54	84
40% Exceedance	101	110	139	129	89	73	69	69	47	36	48	78
50% Exceedance	93	99	129	112	81	68	67	66	46	34	39	65
60% Exceedance	34	40	112	80	65	63	63	62	43	31	33	45
70% Exceedance	30	34	96	66	55	58	57	55	40	29	29	35
80% Exceedance	28	31	79	55	39	50	43	45	34	28	28	34
90% Exceedance	27	30	49	34	26	28	18	14	20	26	27	32
Full Simulation Period Average^a	74	82	117	106	83	68	63	61	48	43	51	66
Wet Years (27.7%)	28	33	85	63	48	42	34	30	28	29	29	34
Above Normal Years (13.9%)	30	33	105	106	76	66	66	65	43	28	28	36
Below Normal Years (17.8%)	102	104	123	114	82	71	69	65	45	34	46	82
Dry Years (23.8%)	103	113	126	130	102	77	71	71	48	39	57	77
Critical Years (15.8%)	122	146	170	140	123	100	94	94	93	97	105	115

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-5-6 b. Banks Pumping Plant South Delta Exports Chloride, ALT3, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	79	106	150	143	131	120	132	127	112	94	80	74
20% Exceedance	60	92	132	132	105	101	114	112	106	86	69	54
30% Exceedance	51	82	121	123	92	90	104	102	97	82	64	44
40% Exceedance	46	76	108	106	82	81	89	97	91	77	62	41
50% Exceedance	42	65	90	83	75	72	75	88	80	72	58	38
60% Exceedance	37	52	58	65	69	68	69	70	69	65	55	36
70% Exceedance	33	38	49	57	58	58	51	54	57	58	51	35
80% Exceedance	29	33	43	49	48	44	34	30	29	40	46	33
90% Exceedance	27	29	35	35	25	20	22	16	16	26	37	31
Full Simulation Period Average^a	47	66	88	89	78	74	77	77	73	66	58	44
Wet Years (27.7%)	33	34	43	66	49	42	36	31	32	39	44	37
Above Normal Years (13.9%)	33	39	53	81	71	68	70	67	64	61	55	39
Below Normal Years (17.8%)	43	69	111	85	81	84	88	87	81	70	60	38
Dry Years (23.8%)	50	83	106	100	93	87	94	102	95	78	58	39
Critical Years (15.8%)	84	119	149	124	105	105	114	118	111	97	84	77

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-5-6 c. Banks Pumping Plant South Delta Exports Chloride, ALT3 Minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-41	-38	-17	-40	-16	22	38	39	32	3	-26	-40
20% Exceedance	-50	-32	-27	-24	-22	14	35	30	52	41	3	-40
30% Exceedance	-57	-36	-27	-20	-4	11	30	26	48	43	10	-40
40% Exceedance	-55	-35	-30	-23	-7	9	20	29	44	41	14	-37
50% Exceedance	-51	-34	-39	-28	-6	4	8	22	35	38	19	-26
60% Exceedance	3	12	-53	-15	3	5	6	8	26	34	22	-9
70% Exceedance	4	5	-47	-9	3	0	-7	-1	17	29	22	-1
80% Exceedance	1	2	-36	-6	9	-5	-9	-15	-5	12	18	-1
90% Exceedance	0	-1	-13	1	-1	-8	4	1	-4	0	10	-1
Full Simulation Period Average^a	-27	-16	-29	-18	-5	6	13	16	25	23	7	-22
Wet Years (27.7%)	5	1	-42	3	2	0	2	1	4	11	15	3
Above Normal Years (13.9%)	3	6	-52	-25	-5	2	4	1	21	32	27	3
Below Normal Years (17.8%)	-59	-36	-12	-29	-1	12	19	22	36	36	14	-44
Dry Years (23.8%)	-53	-30	-20	-31	-9	10	23	32	47	39	1	-37
Critical Years (15.8%)	-38	-27	-21	-16	-17	4	20	24	18	0	-22	-38

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-5-7 a. Banks Pumping Plant South Delta Exports Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	120	144	167	182	146	98	94	88	80	91	106	114
20% Exceedance	110	124	159	156	127	87	79	82	54	45	65	94
30% Exceedance	108	118	149	142	97	79	74	76	49	39	54	84
40% Exceedance	101	110	139	129	89	73	69	69	47	36	48	78
50% Exceedance	93	99	129	112	81	68	67	66	46	34	39	65
60% Exceedance	34	40	112	80	65	63	63	62	43	31	33	45
70% Exceedance	30	34	96	66	55	58	57	55	40	29	29	35
80% Exceedance	28	31	79	55	39	50	43	45	34	28	28	34
90% Exceedance	27	30	49	34	26	28	18	14	20	26	27	32
Full Simulation Period Average^a	74	82	117	106	83	68	63	61	48	43	51	66
Wet Years (27.7%)	28	33	85	63	48	42	34	30	28	29	29	34
Above Normal Years (13.9%)	30	33	105	106	76	66	66	65	43	28	28	36
Below Normal Years (17.8%)	102	104	123	114	82	71	69	65	45	34	46	82
Dry Years (23.8%)	103	113	126	130	102	77	71	71	48	39	57	77
Critical Years (15.8%)	122	146	170	140	123	100	94	94	93	97	105	115

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-5-7 b. Banks Pumping Plant South Delta Exports Chloride, ALT4, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	119	146	170	155	145	101	93	80	78	85	101	115
20% Exceedance	113	131	161	145	112	83	76	71	52	45	70	95
30% Exceedance	108	120	154	133	92	77	72	66	47	41	57	87
40% Exceedance	104	108	143	115	84	70	70	63	45	36	52	83
50% Exceedance	96	99	136	103	73	66	65	58	43	34	44	76
60% Exceedance	61	71	128	86	64	62	60	55	39	31	40	70
70% Exceedance	54	62	115	67	55	56	50	43	35	29	35	67
80% Exceedance	47	56	94	56	40	45	44	35	29	28	33	63
90% Exceedance	43	47	49	38	25	29	23	14	19	26	31	57
Full Simulation Period Average^a	83	93	125	100	79	66	62	55	46	43	54	79
Wet Years (27.7%)	47	61	103	62	47	40	33	26	26	29	33	60
Above Normal Years (13.9%)	50	53	124	92	68	62	61	52	39	29	35	72
Below Normal Years (17.8%)	103	104	124	104	76	70	68	57	42	34	48	82
Dry Years (23.8%)	106	115	128	118	96	76	70	64	46	41	61	82
Critical Years (15.8%)	121	148	161	140	120	98	93	91	91	96	102	112

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-5-7 c. Banks Pumping Plant South Delta Exports Chloride, ALT4 Minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1	2	3	-27	-2	3	-1	-8	-2	-6	-5	1
20% Exceedance	2	7	2	-11	-15	-5	-3	-11	-2	0	5	1
30% Exceedance	0	2	6	-10	-5	-3	-2	-9	-2	2	3	3
40% Exceedance	3	-2	5	-14	-5	-3	1	-6	-2	0	4	5
50% Exceedance	3	0	7	-8	-8	-2	-2	-8	-3	0	4	11
60% Exceedance	27	31	16	6	-1	-1	-3	-7	-4	1	6	25
70% Exceedance	25	28	19	2	0	-2	-7	-12	-5	0	6	31
80% Exceedance	19	25	15	1	1	-5	1	-10	-5	0	5	29
90% Exceedance	15	17	0	4	0	1	4	0	-1	0	4	25
Full Simulation Period Average^a	9	11	7	-7	-4	-2	-1	-7	-3	0	3	13
Wet Years (27.7%)	19	28	17	-1	-1	-2	-1	-4	-2	0	4	26
Above Normal Years (13.9%)	20	20	20	-14	-8	-4	-5	-14	-5	0	7	35
Below Normal Years (17.8%)	2	0	1	-9	-6	-2	-1	-8	-3	0	2	1
Dry Years (23.8%)	3	2	2	-12	-6	-1	-1	-7	-2	1	3	5
Critical Years (15.8%)	-1	2	-10	0	-2	-2	-1	-3	-3	-2	-3	-2

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-5-8 a. Banks Pumping Plant South Delta Exports Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	120	144	167	182	146	98	94	88	80	91	106	114
20% Exceedance	110	124	159	156	127	87	79	82	54	45	65	94
30% Exceedance	108	118	149	142	97	79	74	76	49	39	54	84
40% Exceedance	101	110	139	129	89	73	69	69	47	36	48	78
50% Exceedance	93	99	129	112	81	68	67	66	46	34	39	65
60% Exceedance	34	40	112	80	65	63	63	62	43	31	33	45
70% Exceedance	30	34	96	66	55	58	57	55	40	29	29	35
80% Exceedance	28	31	79	55	39	50	43	45	34	28	28	34
90% Exceedance	27	30	49	34	26	28	18	14	20	26	27	32
Full Simulation Period Average^a	74	82	117	106	83	68	63	61	48	43	51	66
Wet Years (27.7%)	28	33	85	63	48	42	34	30	28	29	29	34
Above Normal Years (13.9%)	30	33	105	106	76	66	66	65	43	28	28	36
Below Normal Years (17.8%)	102	104	123	114	82	71	69	65	45	34	46	82
Dry Years (23.8%)	103	113	126	130	102	77	71	71	48	39	57	77
Critical Years (15.8%)	122	146	170	140	123	100	94	94	93	97	105	115

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-5-8 b. Banks Pumping Plant South Delta Exports Chloride, Action 5, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	119	144	171	169	146	107	97	85	75	82	98	108
20% Exceedance	115	130	161	152	121	89	89	80	53	45	75	99
30% Exceedance	113	122	153	143	98	80	85	76	48	41	60	92
40% Exceedance	110	114	148	126	85	76	77	73	47	37	52	87
50% Exceedance	108	111	142	108	74	71	72	69	45	34	45	86
60% Exceedance	103	107	133	89	62	65	66	60	42	31	39	82
70% Exceedance	101	103	124	68	54	59	56	47	37	29	34	79
80% Exceedance	96	99	96	56	38	45	44	38	30	28	32	75
90% Exceedance	83	82	57	33	25	28	18	14	19	27	30	66
Full Simulation Period Average^a	103	111	129	104	81	70	68	60	46	43	54	86
Wet Years (27.7%)	90	98	112	63	46	40	33	27	26	29	33	72
Above Normal Years (13.9%)	99	96	132	102	72	65	68	62	41	28	32	81
Below Normal Years (17.8%)	106	107	129	112	79	75	78	64	43	35	49	86
Dry Years (23.8%)	107	112	124	122	99	82	81	76	49	41	66	87
Critical Years (15.8%)	122	150	164	142	125	103	96	91	86	89	99	111

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-5-8 c. Banks Pumping Plant South Delta Exports Chloride, Action 5 Minus NAA, Monthly Cl (mg/L)

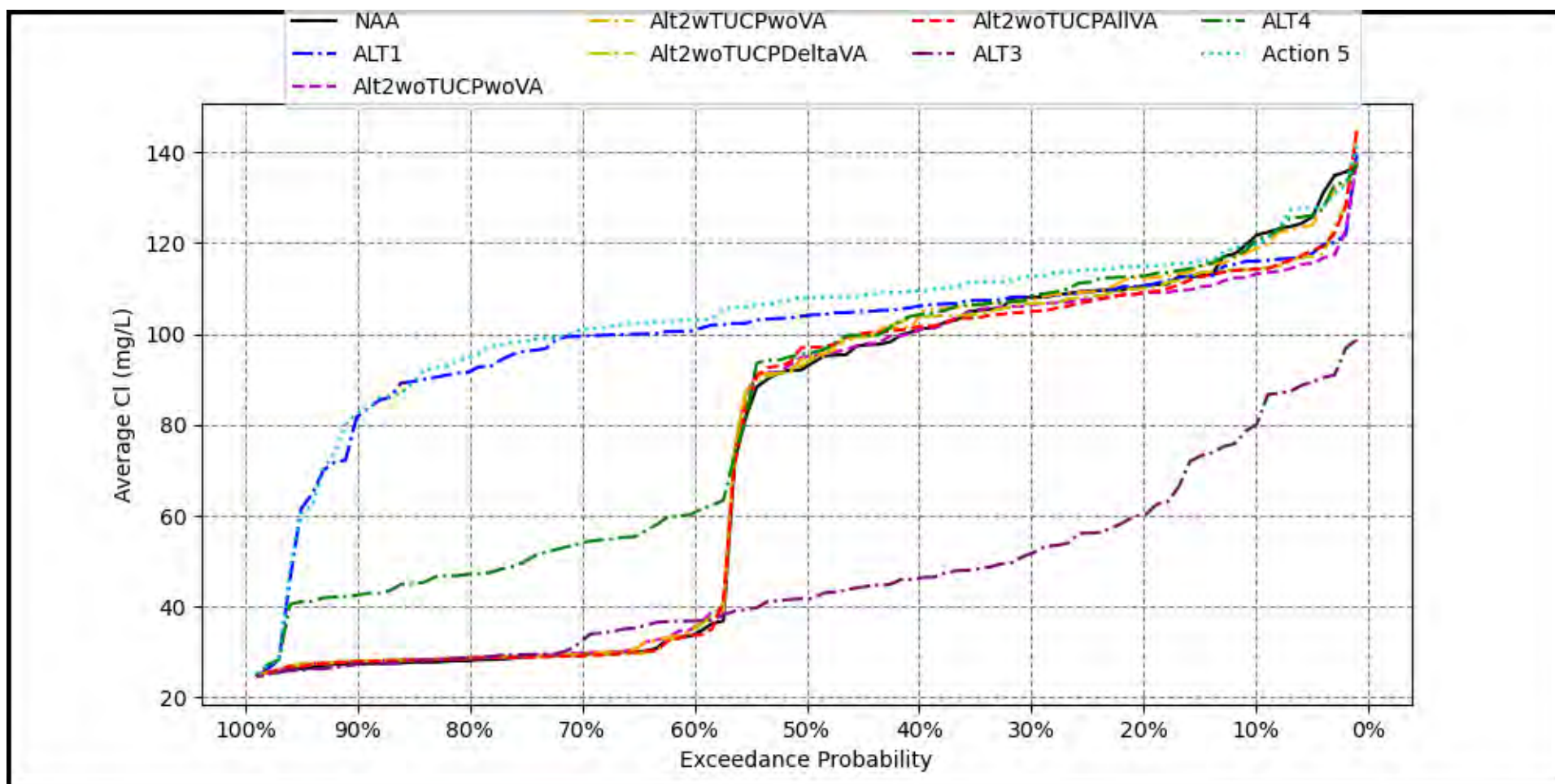
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	4	-13	0	8	3	-3	-5	-8	-8	-5
20% Exceedance	5	6	3	-4	-6	2	10	-2	-1	0	10	5
30% Exceedance	5	4	5	1	2	1	11	0	-1	3	5	9
40% Exceedance	9	4	10	-3	-4	4	8	4	-1	1	4	9
50% Exceedance	15	12	14	-4	-7	2	5	3	-1	0	5	21
60% Exceedance	69	67	21	9	-3	3	3	-2	-2	1	6	37
70% Exceedance	71	69	28	2	-1	1	-2	-8	-3	1	5	43
80% Exceedance	67	68	17	1	-2	-5	1	-7	-4	0	4	40
90% Exceedance	56	52	9	-1	-1	0	-1	0	-1	0	3	34
Full Simulation Period Average^a	29	29	12	-2	-2	1	4	-1	-2	0	3	20
Wet Years (27.7%)	62	65	26	0	-2	-2	-1	-3	-2	0	4	38
Above Normal Years (13.9%)	68	63	27	-3	-4	-2	1	-4	-2	0	4	45
Below Normal Years (17.8%)	4	2	6	-1	-4	4	8	-1	-2	1	3	4
Dry Years (23.8%)	4	0	-1	-8	-3	5	10	5	1	2	9	11
Critical Years (15.8%)	0	3	-7	2	2	2	2	-3	-7	-8	-6	-3

^a Based on the 100-year simulation period.

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

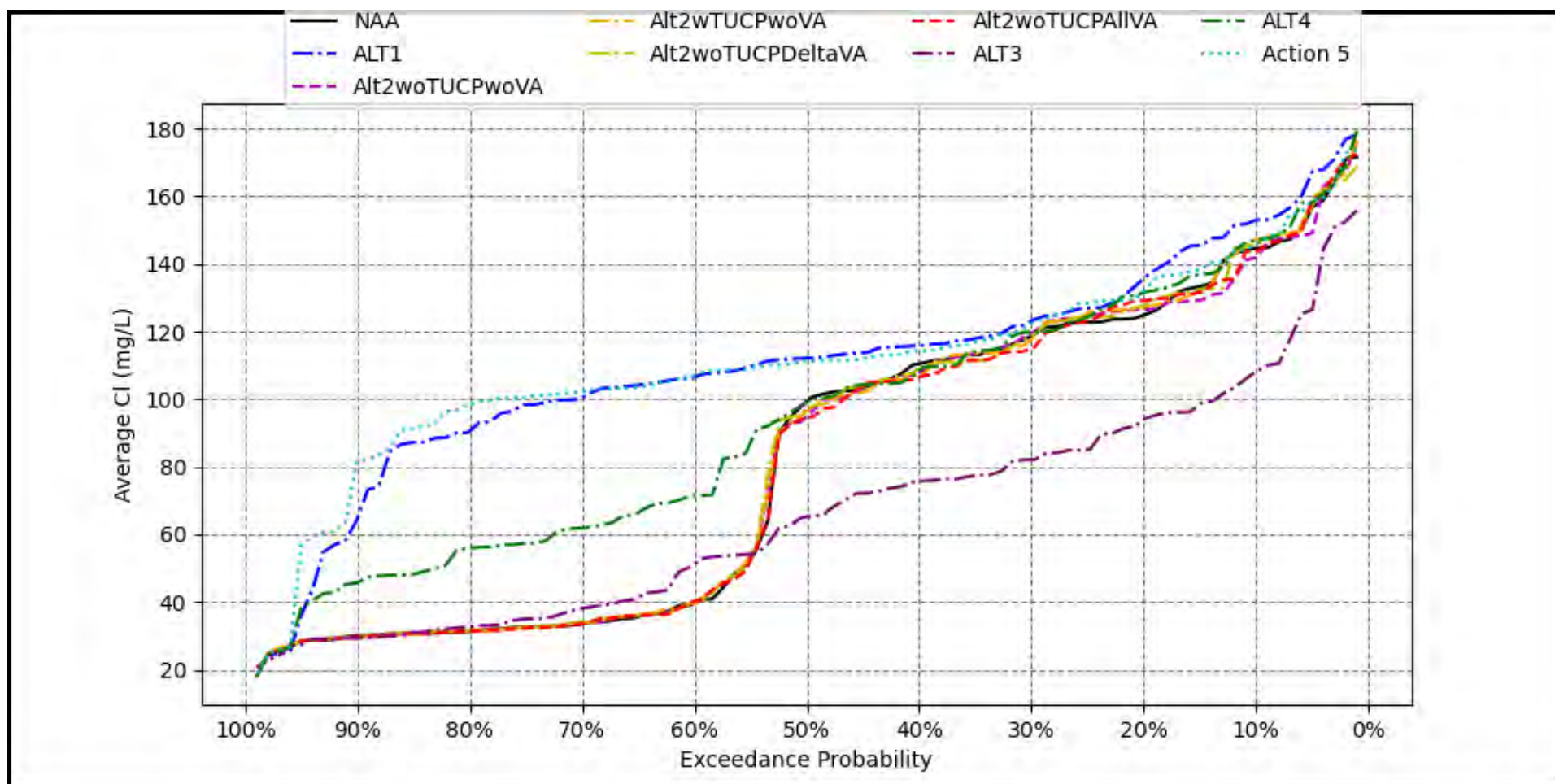
* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.



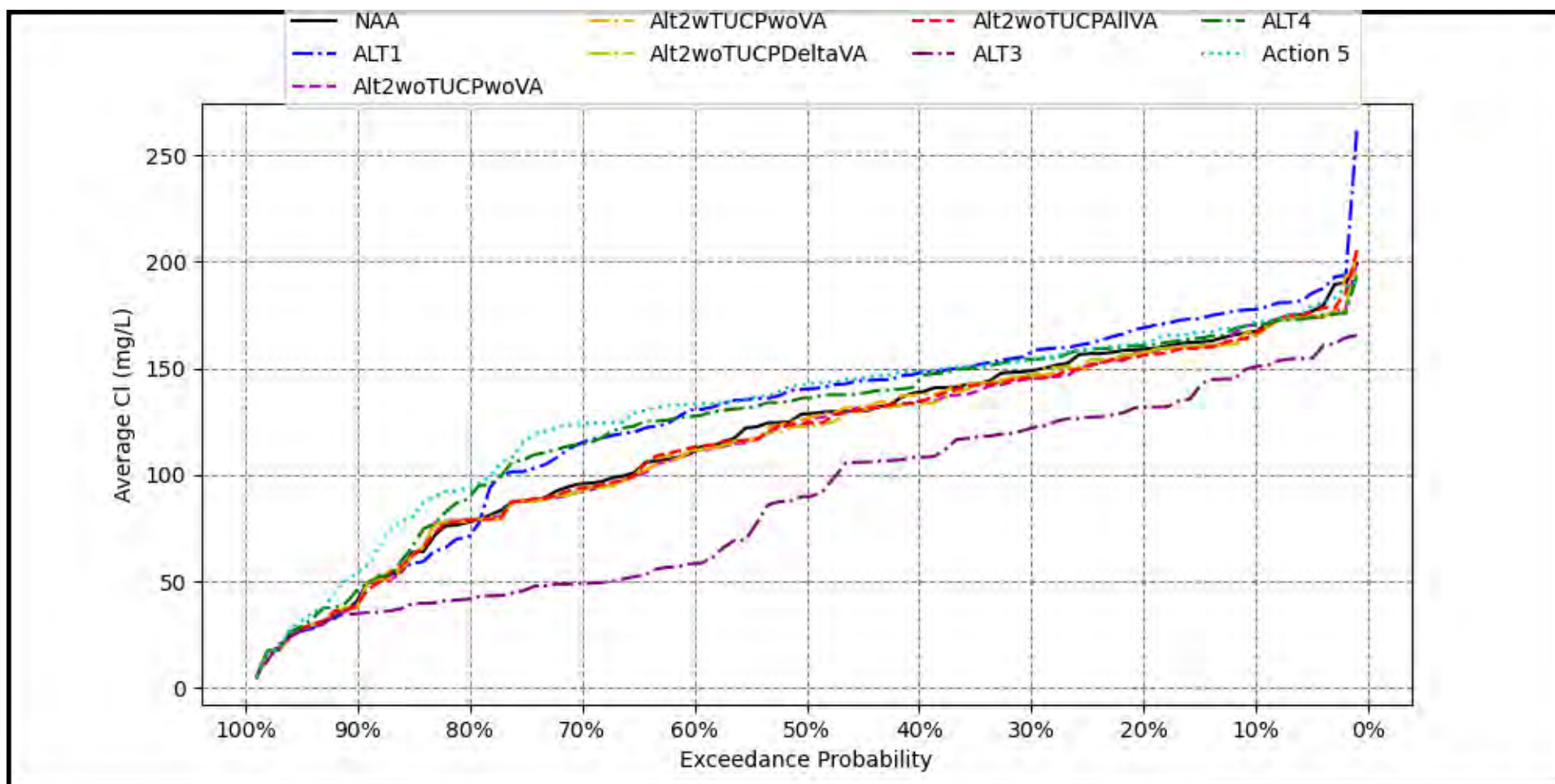
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-5-1 Banks Pumping Plant South Delta Exports Chloride, October Cl



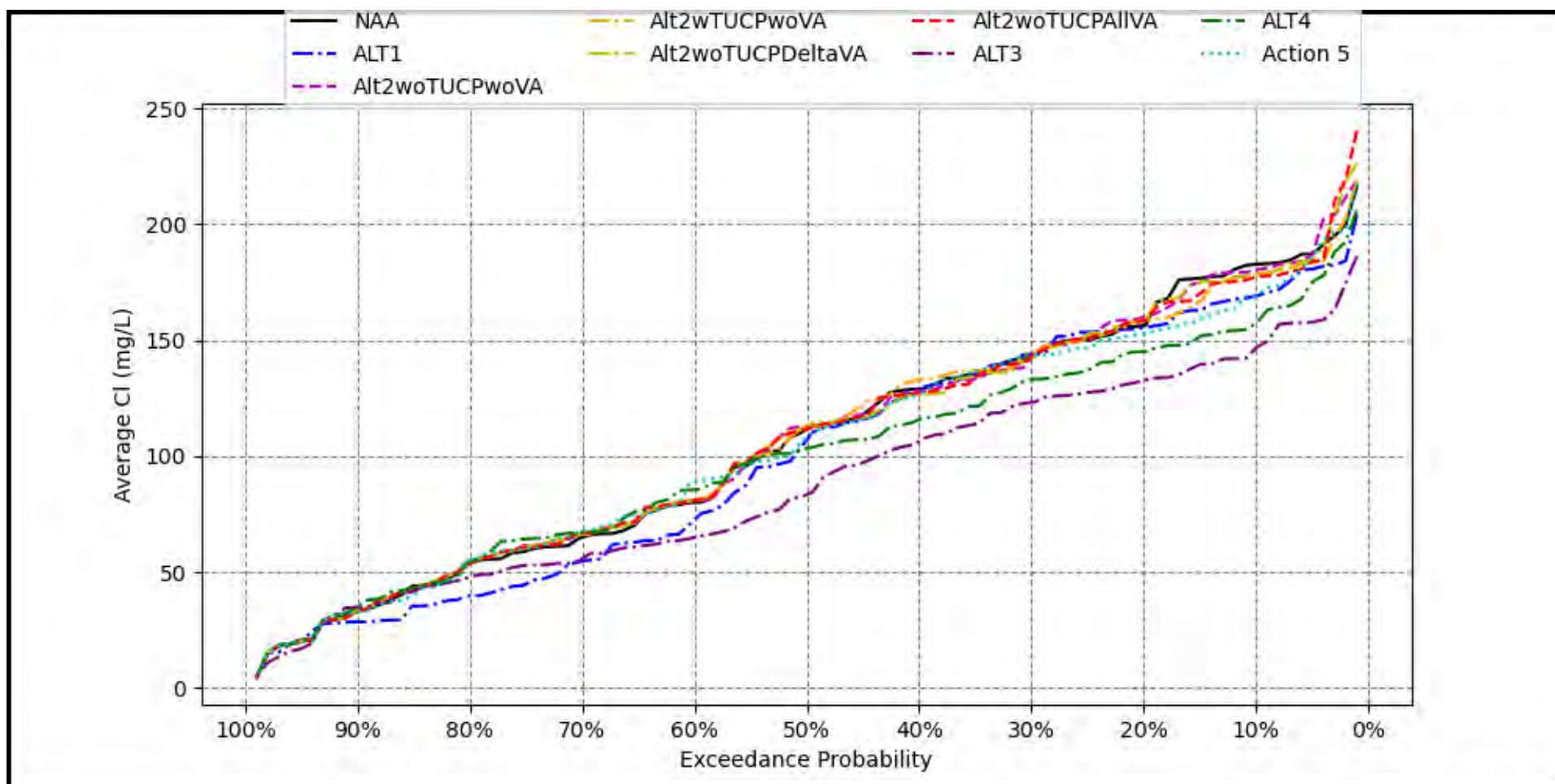
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-5-2 Banks Pumping Plant South Delta Exports Chloride, November Cl



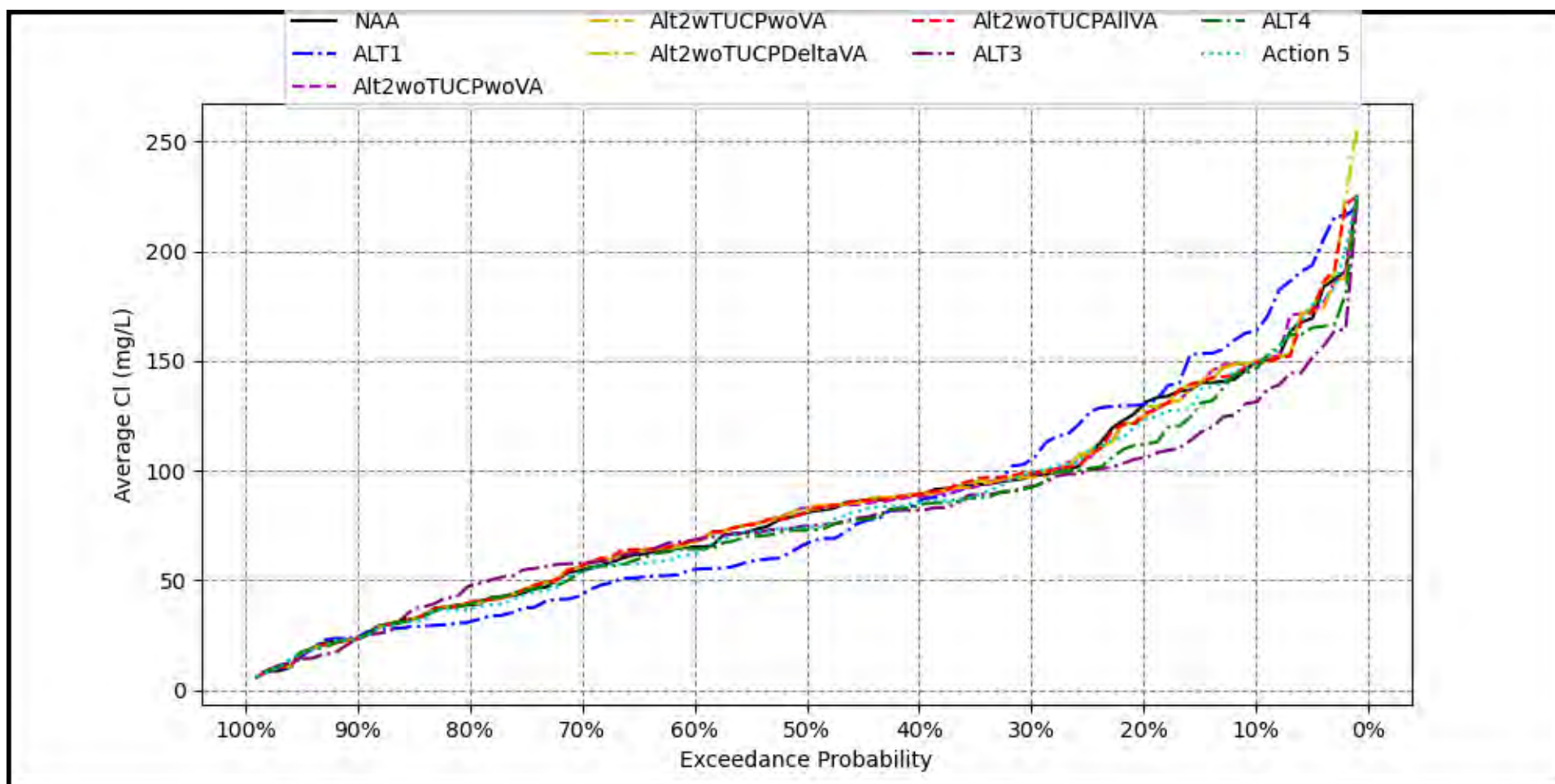
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-5-3 Banks Pumping Plant South Delta Exports Chloride, December Cl



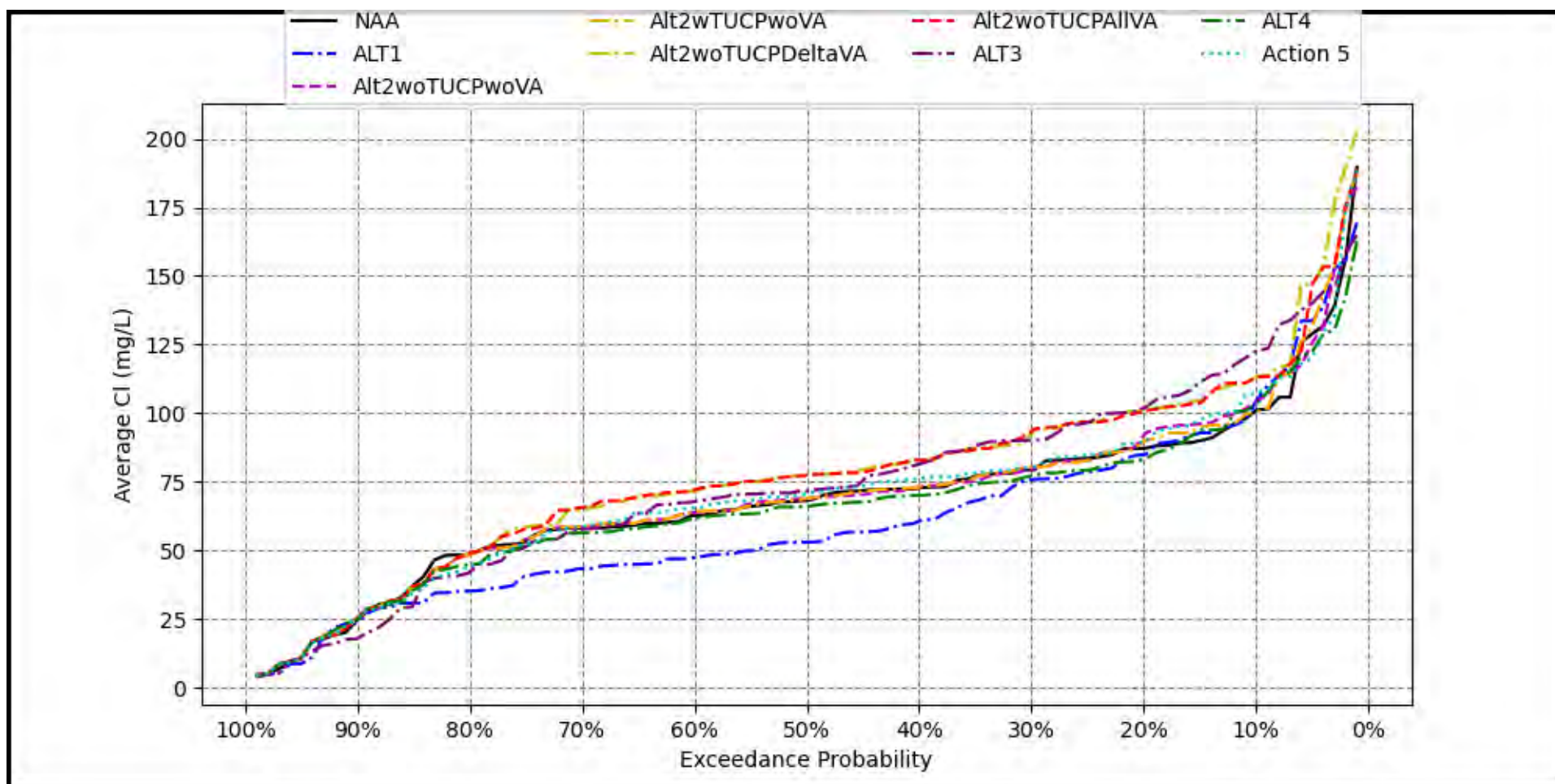
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-5-4 Banks Pumping Plant South Delta Exports Chloride, January Cl



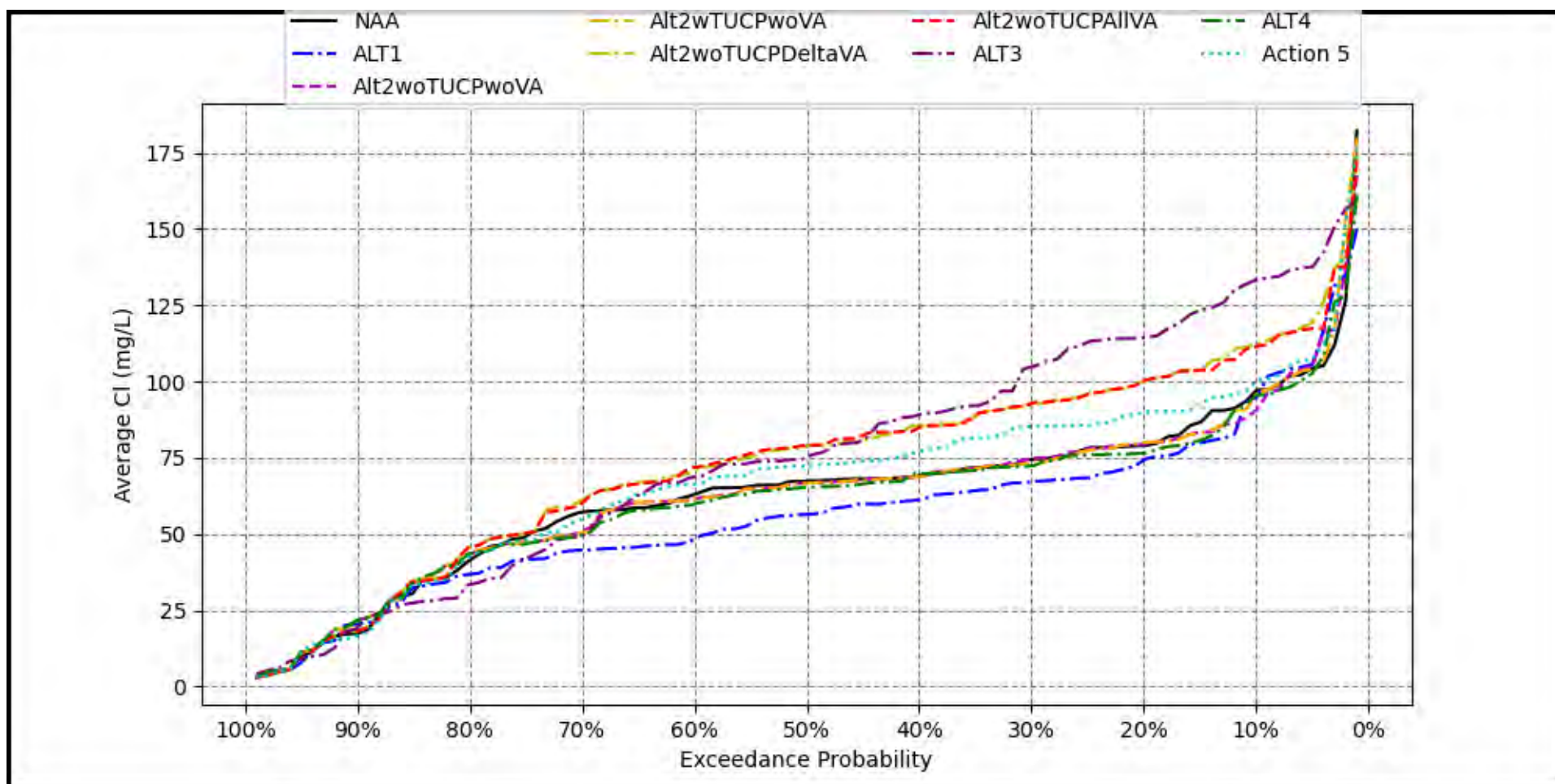
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-5-5 Banks Pumping Plant South Delta Exports Chloride, February Cl



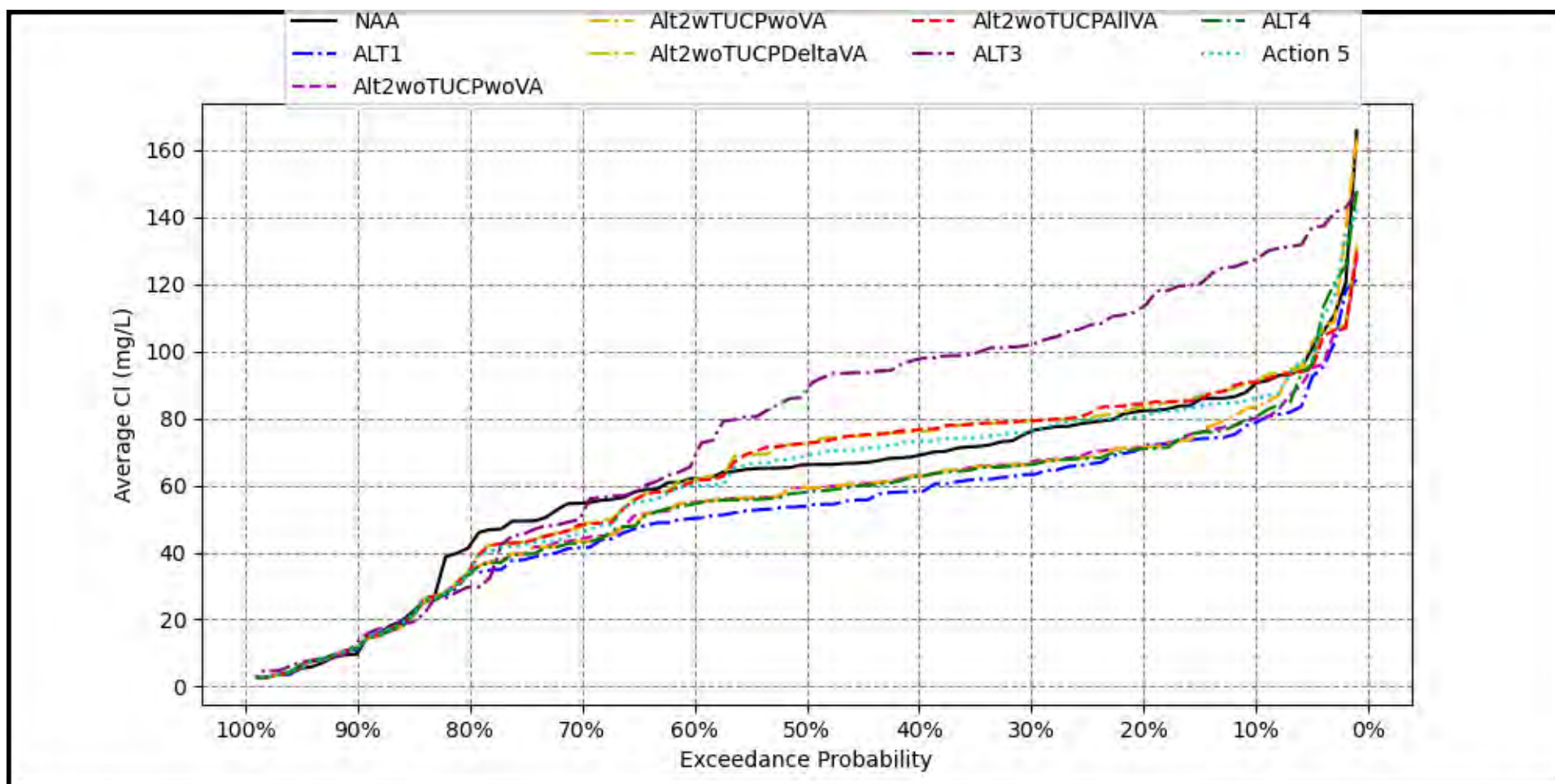
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-5-6 Banks Pumping Plant South Delta Exports Chloride, March Cl



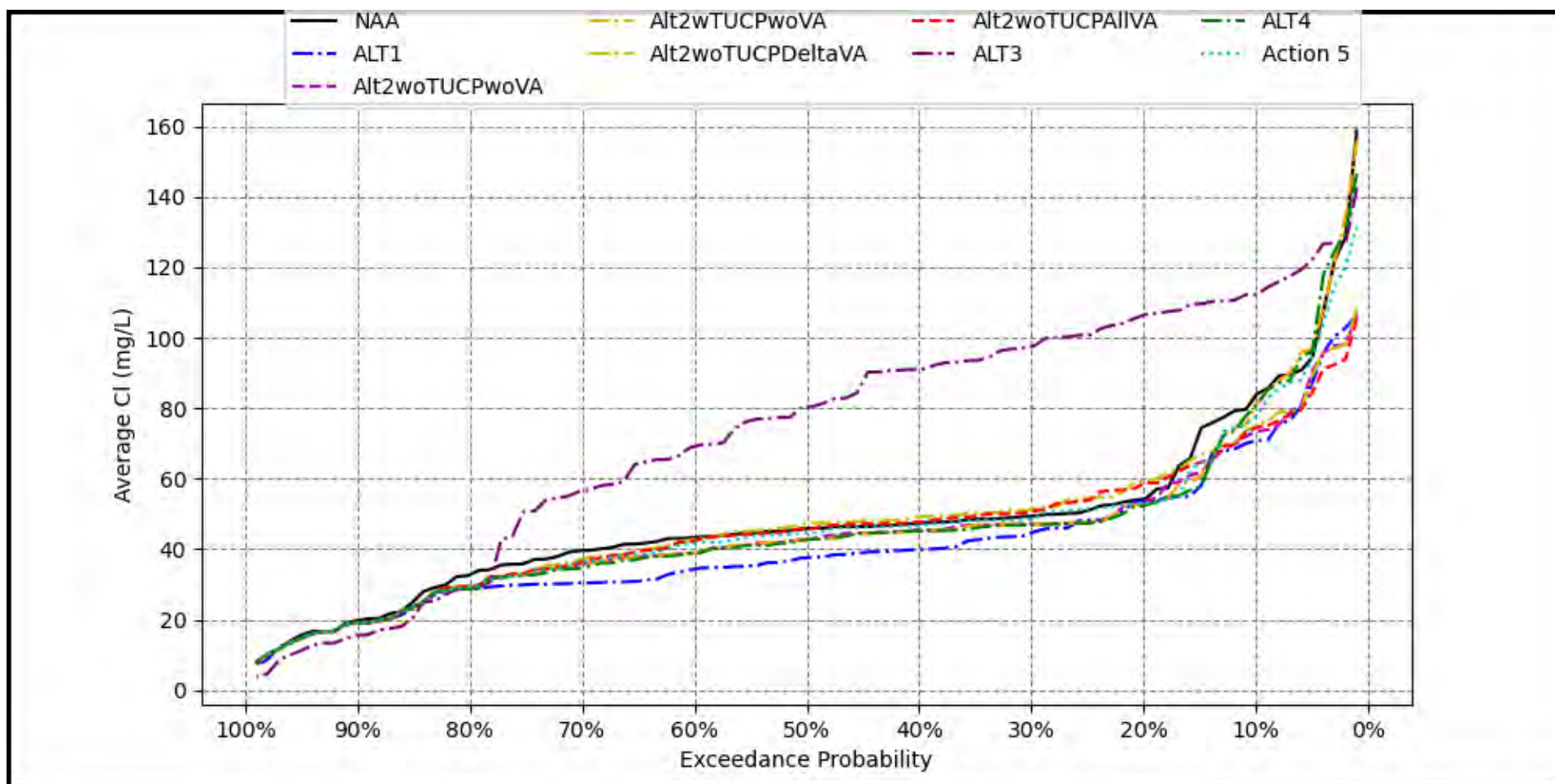
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-5-7 Banks Pumping Plant South Delta Exports Chloride, April Cl



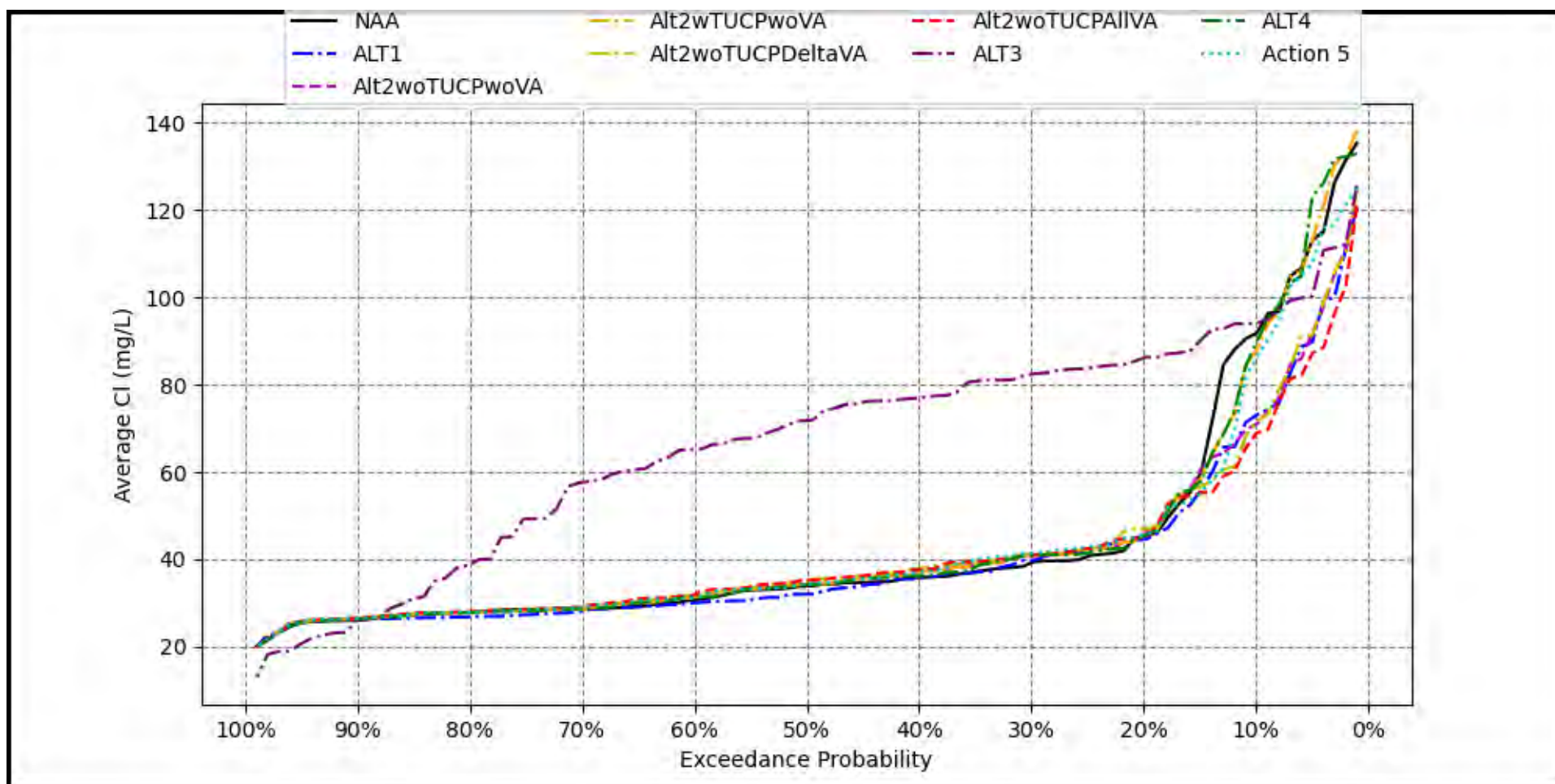
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-5-8 Banks Pumping Plant South Delta Exports Chloride, May Cl



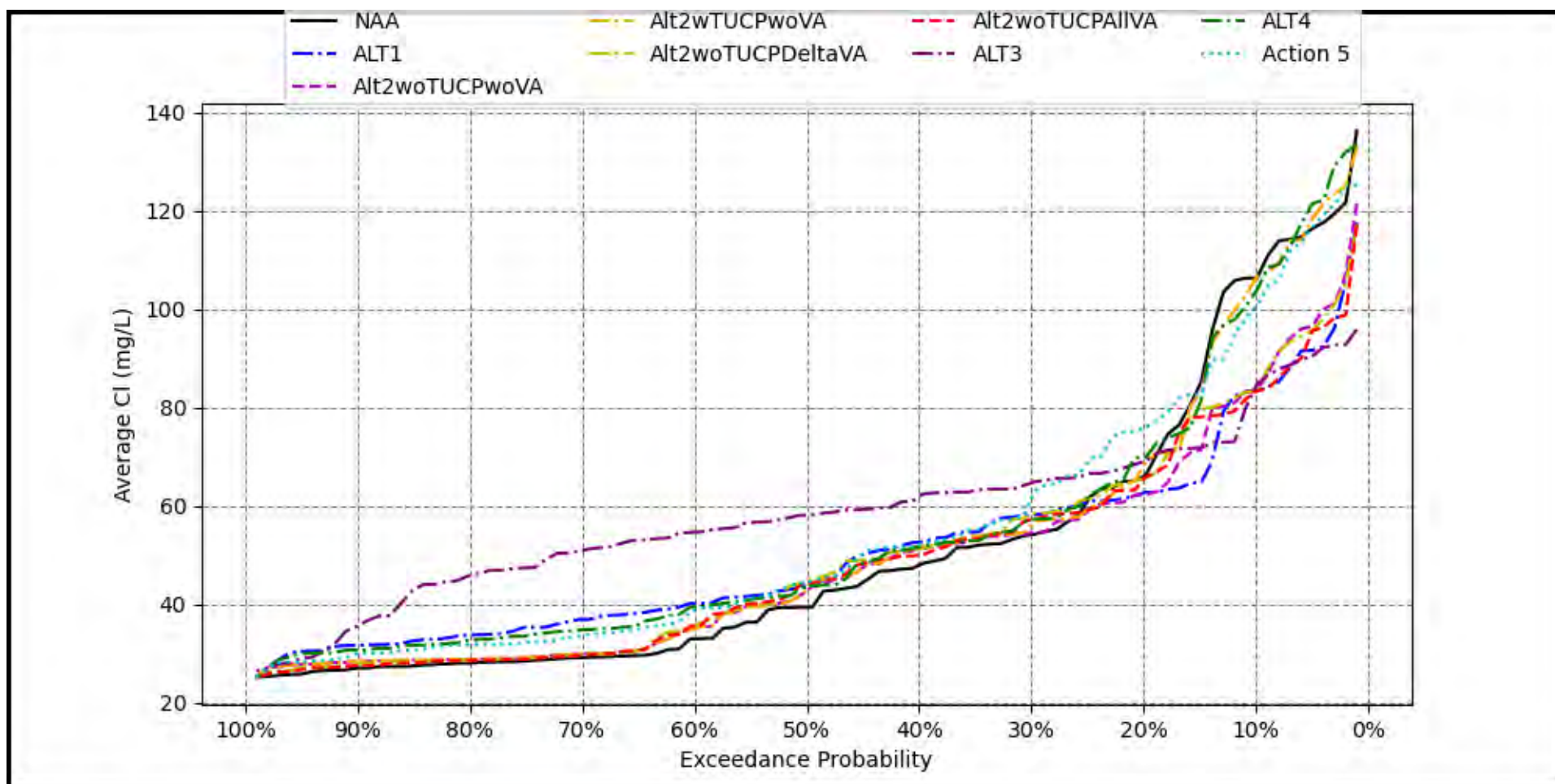
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-5-9 Banks Pumping Plant South Delta Exports Chloride, June Cl



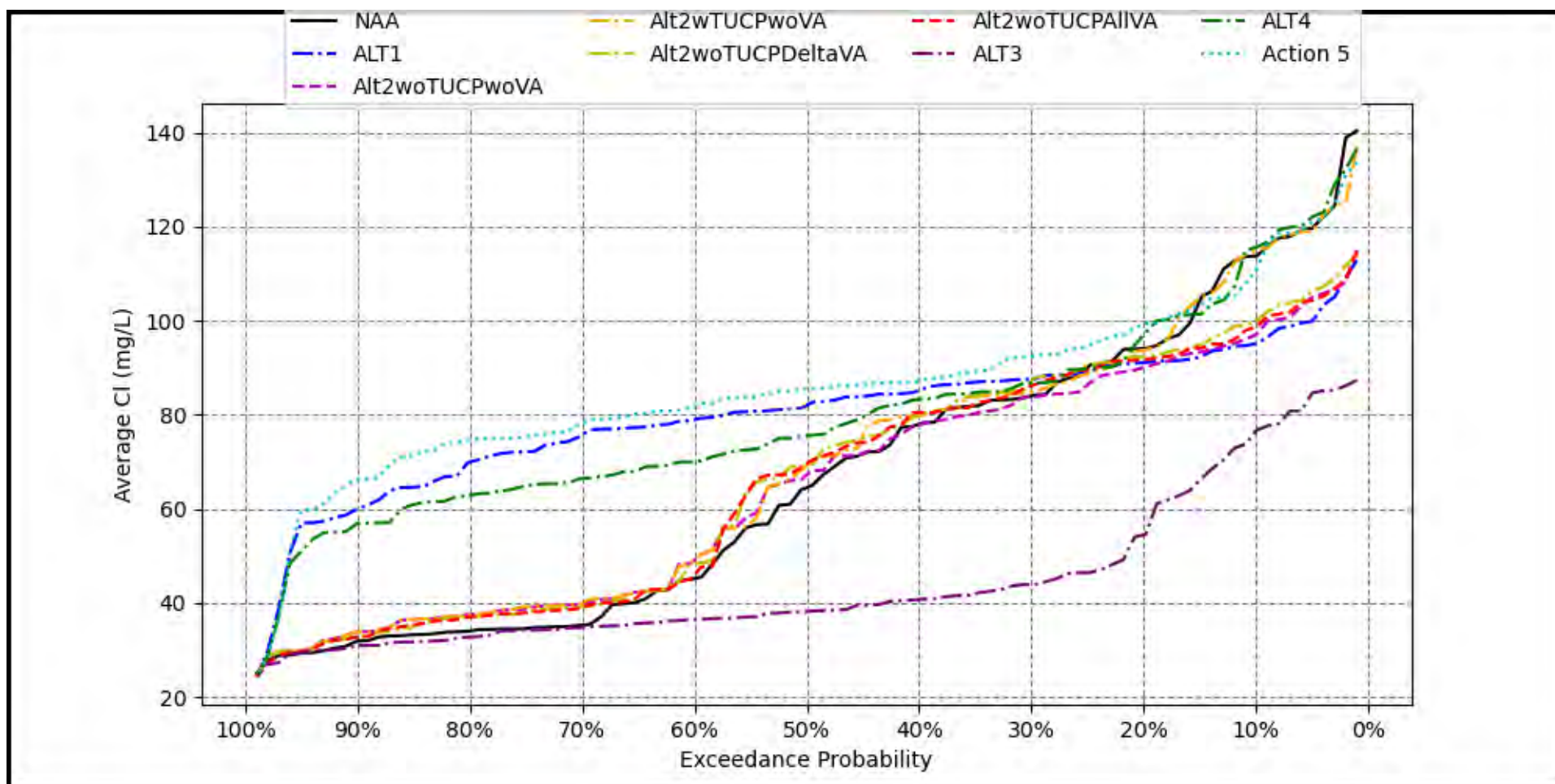
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-5-10 Banks Pumping Plant South Delta Exports Chloride, July Cl



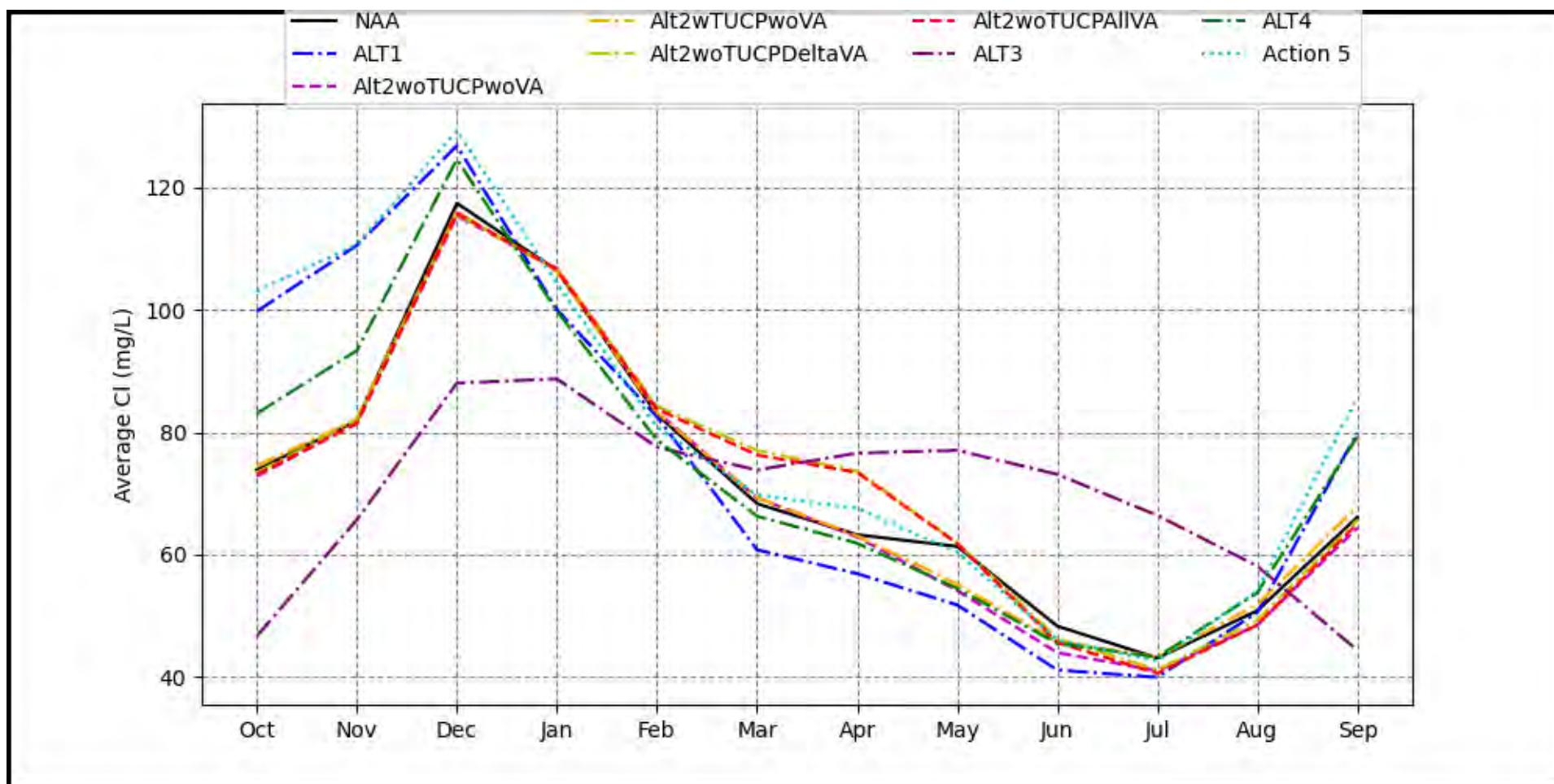
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-5-11 Banks Pumping Plant South Delta Exports Chloride, August Cl



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

Figure F.2.7-5-12 Banks Pumping Plant South Delta Exports Chloride, September Cl

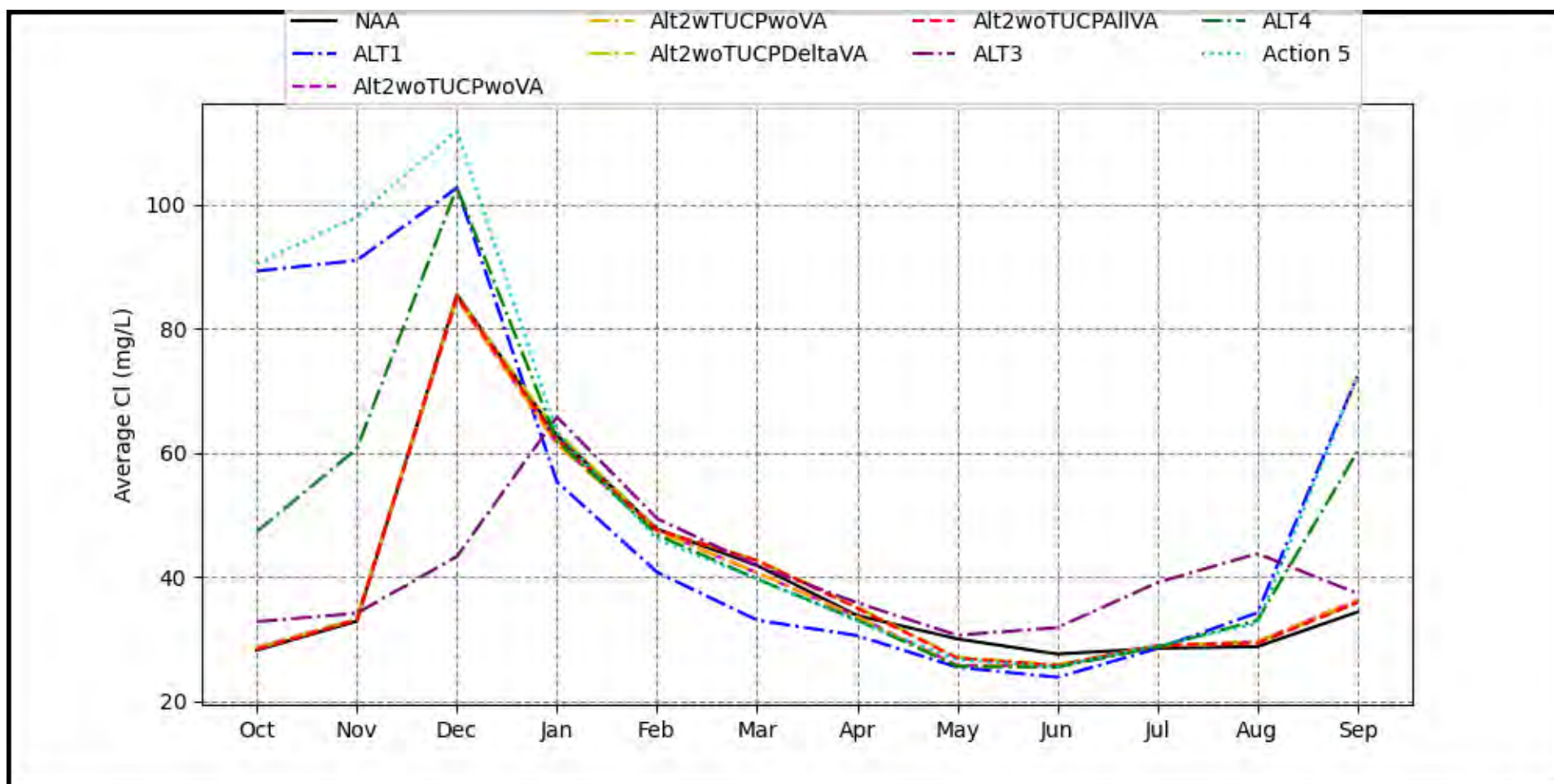


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.7-5-13 Banks Pumping Plant South Delta Exports Chloride, Long Term Average Cl (mg/L)

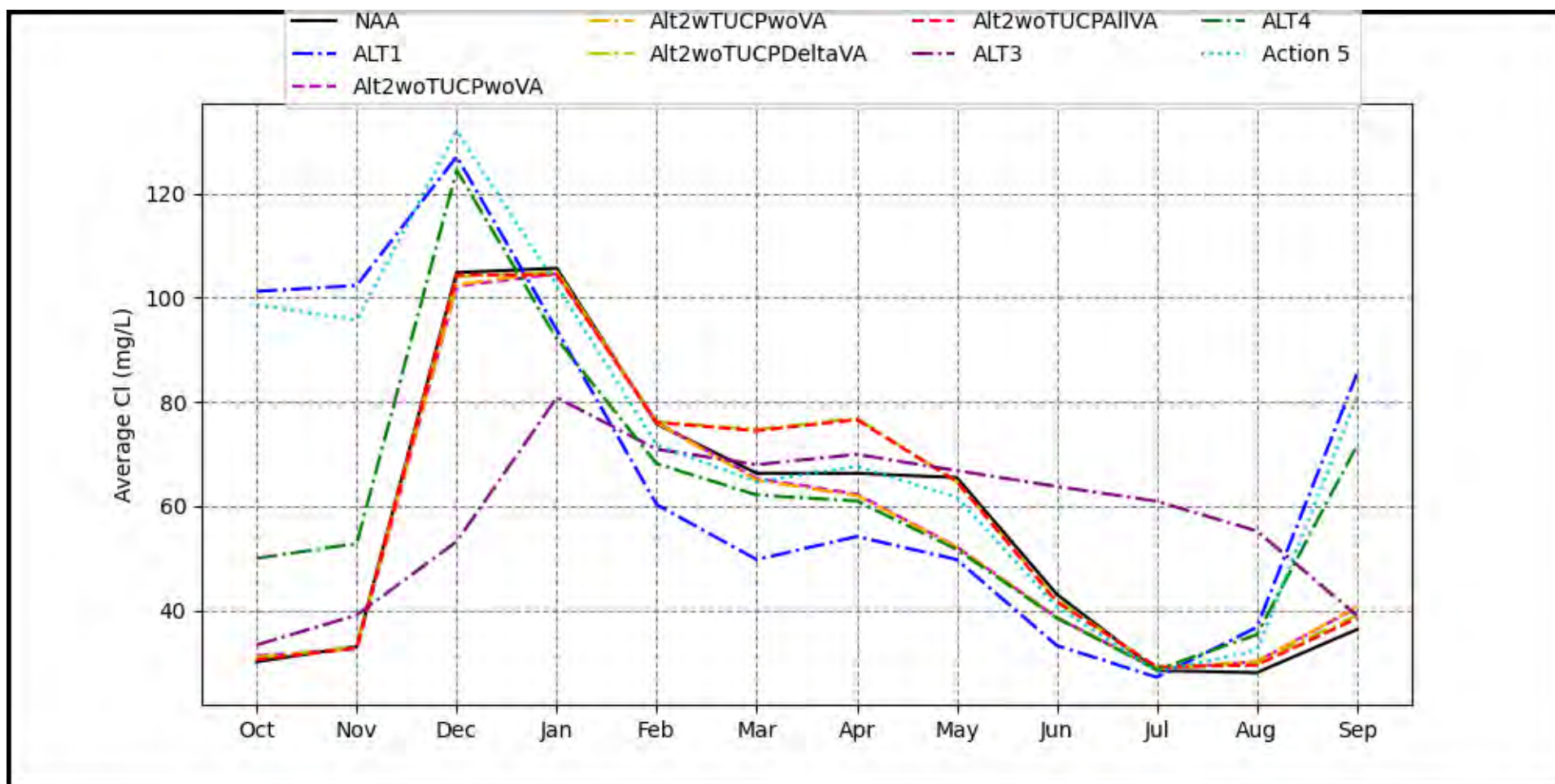


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.7-5-14 Banks Pumping Plant South Delta Exports Chloride, Wet Year Average Cl (mg/L)

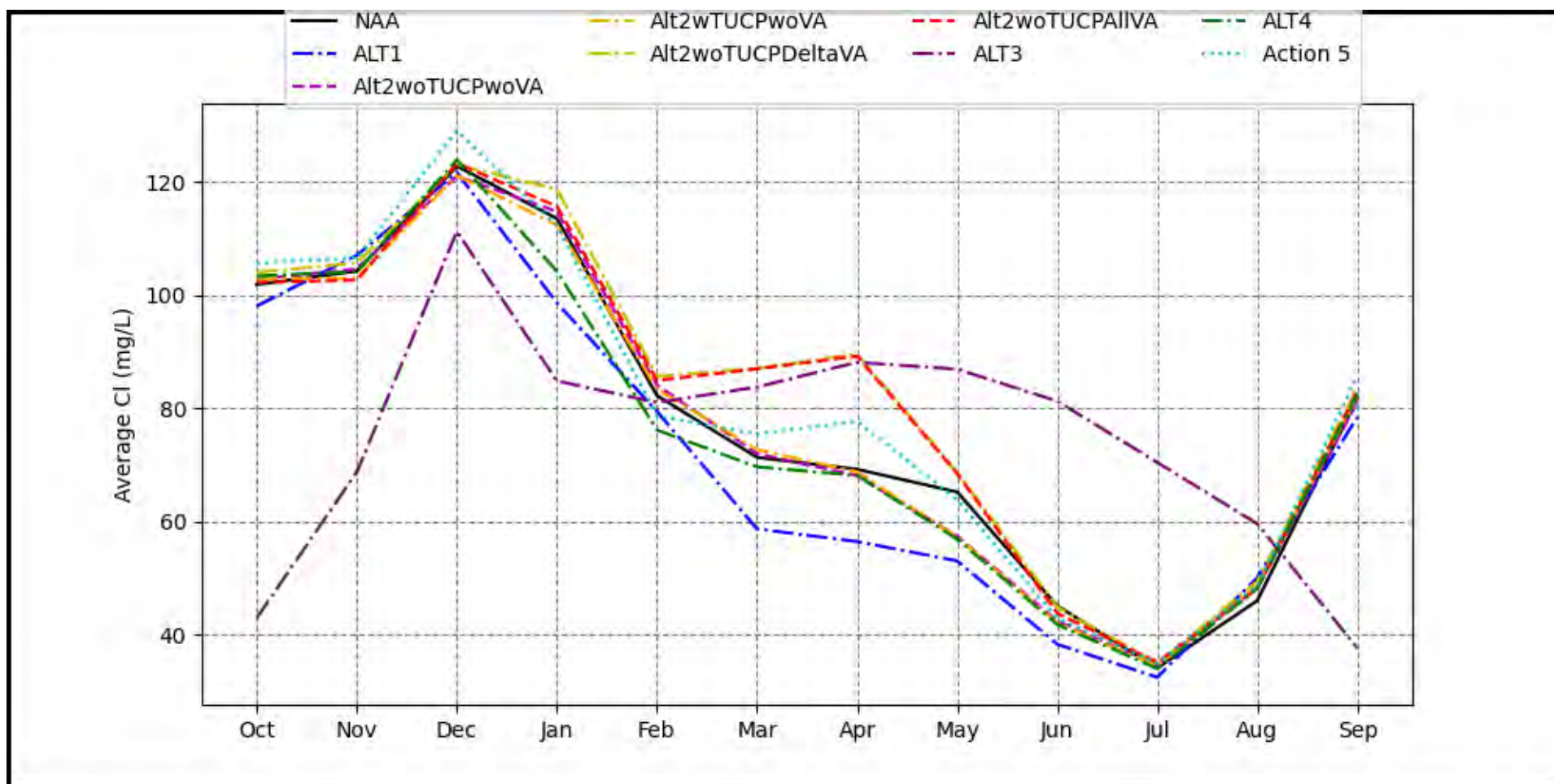


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.7-5-15 Banks Pumping Plant South Delta Exports Chloride, Above Normal Year Average Cl (mg/L)

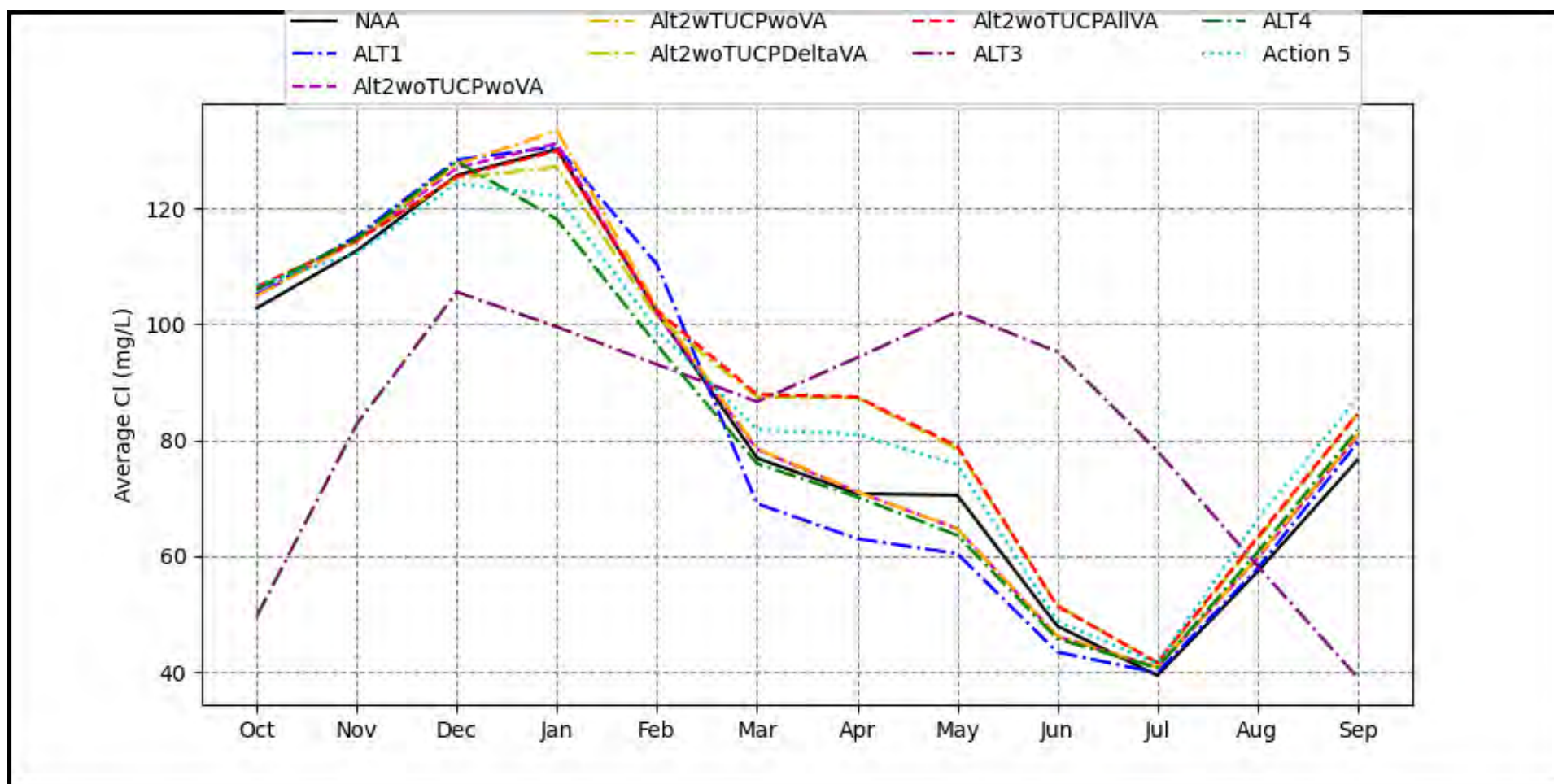


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.7-5-16 Banks Pumping Plant South Delta Exports Chloride, Below Normal Year Average Cl (mg/L)

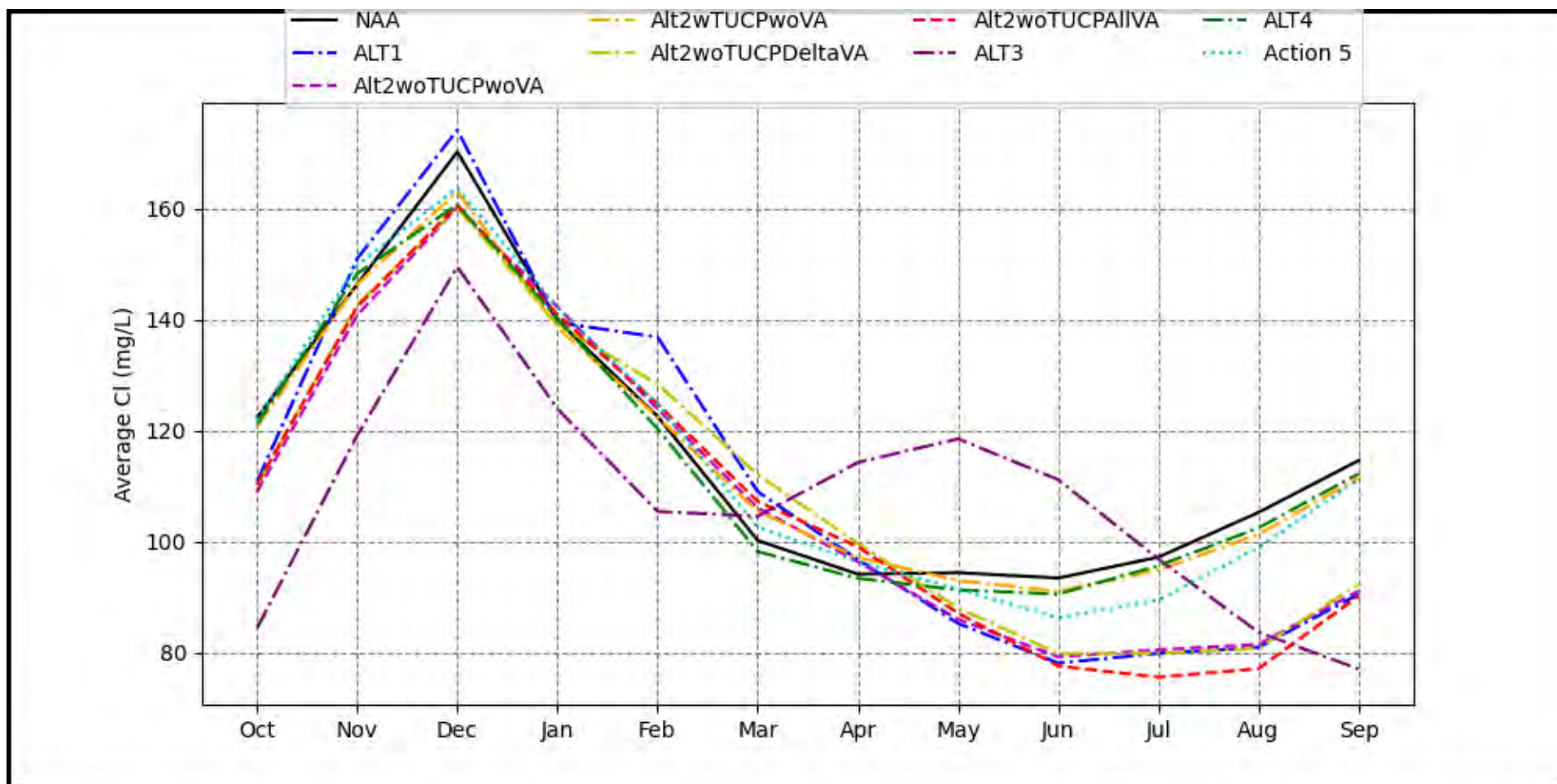


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.7-5-17 Banks Pumping Plant South Delta Exports Chloride, Dry Year Average Cl (mg/L)



*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.7-5-18 Banks Pumping Plant South Delta Exports Chloride, Critical Year Average Cl (mg/L)

F.2.7-6 Jones Pumping Plant South Delta Exports Chloride

Table F.2.7-6-1 a. Jones Pumping Plant South Delta Exports Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	128	157	168	170	155	137	121	98	96	102	112	117
20% Exceedance	125	146	163	159	139	125	112	88	63	62	79	101
30% Exceedance	119	131	157	152	122	119	106	83	59	56	68	93
40% Exceedance	117	124	154	136	115	114	102	81	57	53	63	90
50% Exceedance	110	113	144	122	105	108	97	77	55	51	58	81
60% Exceedance	68	73	134	110	97	95	72	63	53	48	52	56
70% Exceedance	60	63	116	94	85	66	53	50	50	46	47	52
80% Exceedance	55	59	97	76	50	52	38	29	46	44	45	51
90% Exceedance	51	56	71	39	19	25	17	7	28	41	42	49
Full Simulation Period Average^a	93	102	130	116	99	92	79	64	57	58	65	78
Wet Years (27.7%)	54	61	104	78	59	46	33	25	36	48	46	50
Above Normal Years (13.9%)	61	62	128	120	95	84	72	61	52	47	44	51
Below Normal Years (17.8%)	113	119	133	122	101	103	85	69	55	50	61	91
Dry Years (23.8%)	119	128	136	134	123	114	104	82	56	52	70	89
Critical Years (15.8%)	130	158	168	145	136	134	123	102	101	103	113	121

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-6-1 b. Jones Pumping Plant South Delta Exports Chloride, ALT1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	130	166	177	168	164	139	115	94	86	82	89	104
20% Exceedance	125	153	167	159	139	123	104	81	68	62	78	99
30% Exceedance	120	138	162	149	125	110	98	77	59	60	73	97
40% Exceedance	117	130	153	139	111	97	94	74	53	55	70	95
50% Exceedance	114	126	149	120	97	89	88	69	51	51	61	92
60% Exceedance	110	120	141	96	85	79	72	57	48	49	58	91
70% Exceedance	108	116	124	86	76	58	51	46	46	46	55	88
80% Exceedance	104	109	96	64	43	49	37	27	42	44	54	81
90% Exceedance	90	86	66	39	19	22	18	7	25	41	52	75
Full Simulation Period Average^a	112	125	135	112	97	86	74	59	53	56	66	91
Wet Years (27.7%)	96	104	111	73	53	41	32	24	34	49	53	81
Above Normal Years (13.9%)	109	116	139	110	83	71	68	55	46	45	56	94
Below Normal Years (17.8%)	111	124	132	113	99	88	78	63	53	51	67	89
Dry Years (23.8%)	119	129	137	137	125	107	97	75	56	54	72	92
Critical Years (15.8%)	133	165	172	145	144	143	117	95	89	86	88	104

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-6-1 c. Jones Pumping Plant South Delta Exports Chloride, ALT1 Minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2	9	9	-2	8	2	-6	-5	-9	-20	-23	-13
20% Exceedance	0	7	5	0	0	-2	-8	-7	4	0	-1	-2
30% Exceedance	2	7	5	-3	3	-8	-7	-7	0	4	5	4
40% Exceedance	0	7	0	2	-3	-17	-8	-8	-4	2	7	5
50% Exceedance	4	13	5	-1	-8	-19	-10	-8	-4	0	3	12
60% Exceedance	43	47	7	-14	-12	-16	-1	-6	-5	1	6	34
70% Exceedance	48	53	8	-8	-9	-8	-1	-4	-5	0	8	36
80% Exceedance	49	50	-1	-12	-7	-3	-1	-2	-4	0	9	30
90% Exceedance	40	30	-5	0	0	-3	1	1	-2	1	10	27
Full Simulation Period Average^a	19	23	4	-4	-2	-6	-5	-5	-4	-2	1	12
Wet Years (27.7%)	42	43	7	-5	-6	-5	0	-1	-2	1	7	31
Above Normal Years (13.9%)	48	55	12	-9	-12	-14	-4	-6	-5	-2	11	43
Below Normal Years (17.8%)	-2	5	-1	-9	-2	-15	-7	-6	-2	1	6	-2
Dry Years (23.8%)	0	2	1	2	2	-7	-8	-7	0	3	2	4
Critical Years (15.8%)	2	7	3	0	8	8	-7	-8	-12	-17	-24	-17

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-6-2 a. Jones Pumping Plant South Delta Exports Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	128	157	168	170	155	137	121	98	96	102	112	117
20% Exceedance	125	146	163	159	139	125	112	88	63	62	79	101
30% Exceedance	119	131	157	152	122	119	106	83	59	56	68	93
40% Exceedance	117	124	154	136	115	114	102	81	57	53	63	90
50% Exceedance	110	113	144	122	105	108	97	77	55	51	58	81
60% Exceedance	68	73	134	110	97	95	72	63	53	48	52	56
70% Exceedance	60	63	116	94	85	66	53	50	50	46	47	52
80% Exceedance	55	59	97	76	50	52	38	29	46	44	45	51
90% Exceedance	51	56	71	39	19	25	17	7	28	41	42	49
Full Simulation Period Average^a	93	102	130	116	99	92	79	64	57	58	65	78
Wet Years (27.7%)	54	61	104	78	59	46	33	25	36	48	46	50
Above Normal Years (13.9%)	61	62	128	120	95	84	72	61	52	47	44	51
Below Normal Years (17.8%)	113	119	133	122	101	103	85	69	55	50	61	91
Dry Years (23.8%)	119	128	136	134	123	114	104	82	56	52	70	89
Critical Years (15.8%)	130	158	168	145	136	134	123	102	101	103	113	121

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-6-2 b. Jones Pumping Plant South Delta Exports Chloride, Alt2woTUCPwoVA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	130	160	168	170	156	140	116	95	84	81	91	103
20% Exceedance	125	146	161	157	136	129	110	84	67	62	75	99
30% Exceedance	121	132	155	151	126	120	105	81	61	59	68	94
40% Exceedance	117	123	152	135	114	115	101	80	58	55	66	89
50% Exceedance	110	112	142	124	108	109	96	72	56	51	60	82
60% Exceedance	70	72	132	111	98	93	75	61	54	49	53	59
70% Exceedance	60	64	113	95	87	65	53	48	51	47	50	55
80% Exceedance	56	59	99	78	50	51	38	27	45	44	47	53
90% Exceedance	51	56	70	39	19	24	17	7	28	40	43	49
Full Simulation Period Average^a	94	103	129	116	99	94	78	61	56	56	63	77
Wet Years (27.7%)	54	61	103	77	58	46	33	24	36	49	48	51
Above Normal Years (13.9%)	61	61	126	121	96	84	71	56	52	46	47	54
Below Normal Years (17.8%)	114	119	132	123	102	102	85	67	56	51	63	90
Dry Years (23.8%)	121	129	137	134	124	115	104	80	58	54	72	92
Critical Years (15.8%)	132	163	163	146	137	144	117	94	89	85	86	103

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-6-2 c. Jones Pumping Plant South Delta Exports Chloride, Alt2woTUCPwoVA Minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2	3	0	-1	1	2	-5	-3	-11	-21	-21	-14
20% Exceedance	1	0	-2	-2	-2	3	-2	-4	4	0	-4	-2
30% Exceedance	2	1	-1	-1	3	2	-1	-2	1	3	0	1
40% Exceedance	0	-1	-2	-2	-1	1	-1	-1	1	2	3	0
50% Exceedance	0	-1	-2	2	3	1	-1	-5	1	0	2	2
60% Exceedance	2	0	-2	0	1	-2	2	-3	1	0	2	3
70% Exceedance	0	1	-3	1	2	-1	0	-2	0	1	3	3
80% Exceedance	1	0	1	2	0	-1	0	-1	-1	1	3	2
90% Exceedance	1	0	-2	0	0	-2	0	0	0	0	2	0
Full Simulation Period Average^a	1	1	-1	0	0	1	-1	-3	-1	-2	-2	-1
Wet Years (27.7%)	0	0	-1	0	-1	0	0	-1	0	1	2	1
Above Normal Years (13.9%)	1	0	-2	1	0	0	-1	-4	0	-1	3	3
Below Normal Years (17.8%)	1	0	-1	1	1	-1	0	-2	1	1	2	-1
Dry Years (23.8%)	1	2	1	0	1	1	0	-2	2	2	3	4
Critical Years (15.8%)	1	4	-6	0	1	10	-7	-8	-12	-19	-27	-19

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-6-3 a. Jones Pumping Plant South Delta Exports Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	128	157	168	170	155	137	121	98	96	102	112	117
20% Exceedance	125	146	163	159	139	125	112	88	63	62	79	101
30% Exceedance	119	131	157	152	122	119	106	83	59	56	68	93
40% Exceedance	117	124	154	136	115	114	102	81	57	53	63	90
50% Exceedance	110	113	144	122	105	108	97	77	55	51	58	81
60% Exceedance	68	73	134	110	97	95	72	63	53	48	52	56
70% Exceedance	60	63	116	94	85	66	53	50	50	46	47	52
80% Exceedance	55	59	97	76	50	52	38	29	46	44	45	51
90% Exceedance	51	56	71	39	19	25	17	7	28	41	42	49
Full Simulation Period Average^a	93	102	130	116	99	92	79	64	57	58	65	78
Wet Years (27.7%)	54	61	104	78	59	46	33	25	36	48	46	50
Above Normal Years (13.9%)	61	62	128	120	95	84	72	61	52	47	44	51
Below Normal Years (17.8%)	113	119	133	122	101	103	85	69	55	50	61	91
Dry Years (23.8%)	119	128	136	134	123	114	104	82	56	52	70	89
Critical Years (15.8%)	130	158	168	145	136	134	123	102	101	103	113	121

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-6-3 b. Jones Pumping Plant South Delta Exports Chloride, Alt2wTUCPwoVA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	130	159	168	169	156	140	122	97	90	103	112	115
20% Exceedance	126	145	162	155	137	127	111	84	67	64	78	100
30% Exceedance	120	132	156	151	127	119	105	81	61	59	70	94
40% Exceedance	117	120	152	140	115	114	101	80	58	55	66	90
50% Exceedance	110	110	142	124	108	109	96	72	56	51	60	84
60% Exceedance	70	72	132	112	98	93	72	61	54	49	53	60
70% Exceedance	60	64	114	95	87	65	52	47	51	47	49	54
80% Exceedance	56	59	98	78	50	51	38	27	45	44	47	53
90% Exceedance	51	56	70	39	19	24	17	7	28	40	43	49
Full Simulation Period Average^a	94	103	129	116	100	93	79	62	58	59	66	79
Wet Years (27.7%)	54	61	103	77	58	46	33	24	36	49	48	51
Above Normal Years (13.9%)	61	61	126	121	95	83	70	56	52	46	47	54
Below Normal Years (17.8%)	114	118	132	122	101	104	85	67	56	51	63	90
Dry Years (23.8%)	121	129	136	136	124	115	104	80	58	54	73	93
Critical Years (15.8%)	130	161	164	144	137	139	122	100	101	101	109	119

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-6-3 c. Jones Pumping Plant South Delta Exports Chloride, Alt2wTUCPwoVA Minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2	2	0	-1	1	2	1	-1	-5	1	0	-2
20% Exceedance	1	-1	0	-4	-2	2	-2	-4	3	2	0	0
30% Exceedance	1	1	-1	-1	4	1	-1	-2	1	3	2	1
40% Exceedance	0	-4	-2	3	0	0	-1	-2	2	2	3	0
50% Exceedance	0	-2	-2	2	3	1	-2	-5	1	0	3	3
60% Exceedance	2	0	-2	1	1	-2	0	-3	1	1	1	3
70% Exceedance	0	1	-2	1	2	-1	0	-4	0	1	2	2
80% Exceedance	1	0	1	2	0	-1	0	-1	-1	1	3	2
90% Exceedance	1	0	-2	0	0	-2	0	0	0	0	2	0
Full Simulation Period Average^a	1	0	-1	0	0	1	0	-2	1	1	1	1
Wet Years (27.7%)	0	0	-1	0	-1	-1	0	-1	0	1	2	1
Above Normal Years (13.9%)	0	0	-2	1	0	-1	-1	-4	0	-1	3	3
Below Normal Years (17.8%)	1	-1	-1	0	1	1	0	-2	1	1	2	0
Dry Years (23.8%)	1	1	1	2	1	1	0	-2	2	2	3	4
Critical Years (15.8%)	-1	2	-4	-1	1	5	-1	-2	0	-2	-4	-3

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-6-4 a. Jones Pumping Plant South Delta Exports Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	128	157	168	170	155	137	121	98	96	102	112	117
20% Exceedance	125	146	163	159	139	125	112	88	63	62	79	101
30% Exceedance	119	131	157	152	122	119	106	83	59	56	68	93
40% Exceedance	117	124	154	136	115	114	102	81	57	53	63	90
50% Exceedance	110	113	144	122	105	108	97	77	55	51	58	81
60% Exceedance	68	73	134	110	97	95	72	63	53	48	52	56
70% Exceedance	60	63	116	94	85	66	53	50	50	46	47	52
80% Exceedance	55	59	97	76	50	52	38	29	46	44	45	51
90% Exceedance	51	56	71	39	19	25	17	7	28	41	42	49
Full Simulation Period Average^a	93	102	130	116	99	92	79	64	57	58	65	78
Wet Years (27.7%)	54	61	104	78	59	46	33	25	36	48	46	50
Above Normal Years (13.9%)	61	62	128	120	95	84	72	61	52	47	44	51
Below Normal Years (17.8%)	113	119	133	122	101	103	85	69	55	50	61	91
Dry Years (23.8%)	119	128	136	134	123	114	104	82	56	52	70	89
Critical Years (15.8%)	130	158	168	145	136	134	123	102	101	103	113	121

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-6-4 b. Jones Pumping Plant South Delta Exports Chloride, Alt2woTUCPDeltaVA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	132	160	168	168	157	160	127	98	85	81	90	106
20% Exceedance	125	150	160	160	138	151	119	92	67	63	77	102
30% Exceedance	122	134	157	147	128	139	114	87	62	59	71	96
40% Exceedance	117	120	152	133	115	129	110	84	60	55	66	91
50% Exceedance	111	113	141	124	107	118	101	78	58	51	62	85
60% Exceedance	68	73	132	111	99	98	77	64	56	49	53	59
70% Exceedance	59	65	114	95	88	68	53	50	53	47	50	55
80% Exceedance	57	59	98	79	50	51	38	28	46	44	47	53
90% Exceedance	51	56	70	39	19	24	17	7	28	41	43	49
Full Simulation Period Average^a	94	104	129	116	101	103	83	64	57	56	63	78
Wet Years (27.7%)	54	62	103	78	58	48	33	25	36	49	48	51
Above Normal Years (13.9%)	61	62	127	121	96	94	76	61	53	47	47	54
Below Normal Years (17.8%)	115	120	133	125	102	122	92	71	57	52	64	92
Dry Years (23.8%)	121	130	135	132	124	130	114	86	60	54	75	95
Critical Years (15.8%)	133	164	163	145	143	147	118	95	89	84	86	103

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-6-4 c. Jones Pumping Plant South Delta Exports Chloride, Alt2woTUCPDeltaVA Minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3	2	0	-2	2	22	6	0	-11	-21	-22	-11
20% Exceedance	1	4	-2	1	0	26	7	4	4	1	-2	1
30% Exceedance	3	3	0	-5	5	20	9	4	3	3	3	3
40% Exceedance	0	-4	-2	-3	0	16	8	3	3	2	3	1
50% Exceedance	1	0	-3	2	3	10	4	1	2	0	4	4
60% Exceedance	0	0	-3	0	2	3	5	1	3	1	2	2
70% Exceedance	-1	2	-2	1	3	2	0	0	2	1	3	3
80% Exceedance	1	1	1	2	0	-1	0	-1	1	1	3	2
90% Exceedance	1	0	-1	0	0	-2	0	0	0	0	1	0
Full Simulation Period Average^a	1	2	-1	0	2	11	4	0	0	-2	-2	0
Wet Years (27.7%)	0	0	-1	1	-1	2	1	0	1	2	1	1
Above Normal Years (13.9%)	0	0	-1	2	0	9	5	0	1	0	2	3
Below Normal Years (17.8%)	2	1	0	3	2	19	7	2	2	2	4	1
Dry Years (23.8%)	2	2	-1	-2	1	16	10	4	4	2	5	6
Critical Years (15.8%)	2	6	-5	0	7	13	-5	-7	-12	-19	-27	-18

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-6-5 a. Jones Pumping Plant South Delta Exports Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	128	157	168	170	155	137	121	98	96	102	112	117
20% Exceedance	125	146	163	159	139	125	112	88	63	62	79	101
30% Exceedance	119	131	157	152	122	119	106	83	59	56	68	93
40% Exceedance	117	124	154	136	115	114	102	81	57	53	63	90
50% Exceedance	110	113	144	122	105	108	97	77	55	51	58	81
60% Exceedance	68	73	134	110	97	95	72	63	53	48	52	56
70% Exceedance	60	63	116	94	85	66	53	50	50	46	47	52
80% Exceedance	55	59	97	76	50	52	38	29	46	44	45	51
90% Exceedance	51	56	71	39	19	25	17	7	28	41	42	49
Full Simulation Period Average^a	93	102	130	116	99	92	79	64	57	58	65	78
Wet Years (27.7%)	54	61	104	78	59	46	33	25	36	48	46	50
Above Normal Years (13.9%)	61	62	128	120	95	84	72	61	52	47	44	51
Below Normal Years (17.8%)	113	119	133	122	101	103	85	69	55	50	61	91
Dry Years (23.8%)	119	128	136	134	123	114	104	82	56	52	70	89
Critical Years (15.8%)	130	158	168	145	136	134	123	102	101	103	113	121

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-6-5 b. Jones Pumping Plant South Delta Exports Chloride, Alt2woTUCPAIIVA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	132	159	170	169	151	160	127	98	84	76	88	105
20% Exceedance	125	146	160	160	138	151	119	93	67	63	75	101
30% Exceedance	122	133	157	147	127	138	115	87	61	59	71	96
40% Exceedance	117	119	151	135	115	132	110	84	59	57	66	90
50% Exceedance	111	112	140	125	107	120	101	77	57	52	62	85
60% Exceedance	68	72	132	112	99	98	74	64	55	49	54	58
70% Exceedance	60	65	114	95	87	68	53	49	53	48	50	55
80% Exceedance	56	59	98	79	50	51	38	28	46	46	47	53
90% Exceedance	51	56	70	39	19	24	17	7	28	42	42	49
Full Simulation Period Average^a	94	103	129	116	100	103	83	64	56	56	63	77
Wet Years (27.7%)	54	61	103	78	58	48	33	25	36	50	48	51
Above Normal Years (13.9%)	60	62	127	121	95	93	76	61	52	48	46	53
Below Normal Years (17.8%)	114	118	133	124	102	122	92	71	56	52	63	91
Dry Years (23.8%)	121	129	135	134	124	130	114	87	60	55	75	95
Critical Years (15.8%)	134	164	164	146	137	147	118	94	86	80	84	102

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-6-5 c. Jones Pumping Plant South Delta Exports Chloride, Alt2woTUCPAIIVA Minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4	2	2	-2	-4	22	6	0	-11	-26	-25	-12
20% Exceedance	0	0	-3	1	-1	26	7	5	3	1	-3	0
30% Exceedance	3	2	0	-5	5	19	9	4	2	3	3	3
40% Exceedance	0	-4	-2	-1	0	18	8	3	2	4	3	0
50% Exceedance	1	0	-4	3	2	12	4	1	1	1	4	5
60% Exceedance	0	0	-2	2	2	4	2	1	2	1	2	2
70% Exceedance	0	1	-2	1	2	2	0	-1	2	2	2	3
80% Exceedance	1	1	1	2	0	-1	0	-1	0	2	2	2
90% Exceedance	0	0	-1	0	0	-1	0	0	0	2	0	0
Full Simulation Period Average^a	1	1	-1	0	1	11	4	0	-1	-2	-2	-1
Wet Years (27.7%)	0	0	-1	0	-1	1	0	0	0	2	1	1
Above Normal Years (13.9%)	0	0	0	1	0	9	4	1	1	1	2	2
Below Normal Years (17.8%)	1	-1	0	1	2	19	7	2	1	2	3	1
Dry Years (23.8%)	2	1	-1	0	1	17	10	5	3	3	6	6
Critical Years (15.8%)	3	5	-4	1	2	13	-6	-8	-15	-23	-29	-19

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-6-6 a. Jones Pumping Plant South Delta Exports Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	128	157	168	170	155	137	121	98	96	102	112	117
20% Exceedance	125	146	163	159	139	125	112	88	63	62	79	101
30% Exceedance	119	131	157	152	122	119	106	83	59	56	68	93
40% Exceedance	117	124	154	136	115	114	102	81	57	53	63	90
50% Exceedance	110	113	144	122	105	108	97	77	55	51	58	81
60% Exceedance	68	73	134	110	97	95	72	63	53	48	52	56
70% Exceedance	60	63	116	94	85	66	53	50	50	46	47	52
80% Exceedance	55	59	97	76	50	52	38	29	46	44	45	51
90% Exceedance	51	56	71	39	19	25	17	7	28	41	42	49
Full Simulation Period Average^a	93	102	130	116	99	92	79	64	57	58	65	78
Wet Years (27.7%)	54	61	104	78	59	46	33	25	36	48	46	50
Above Normal Years (13.9%)	61	62	128	120	95	84	72	61	52	47	44	51
Below Normal Years (17.8%)	113	119	133	122	101	103	85	69	55	50	61	91
Dry Years (23.8%)	119	128	136	134	123	114	104	82	56	52	70	89
Critical Years (15.8%)	130	158	168	145	136	134	123	102	101	103	113	121

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-6-6 b. Jones Pumping Plant South Delta Exports Chloride, ALT3, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	110	146	178	163	157	172	138	117	104	86	81	77
20% Exceedance	89	123	165	150	146	157	135	112	100	79	66	61
30% Exceedance	82	113	159	134	129	135	132	107	94	74	56	50
40% Exceedance	79	107	149	127	117	118	112	90	89	70	54	48
50% Exceedance	75	93	135	120	110	105	95	70	83	63	50	46
60% Exceedance	71	88	116	108	100	91	71	63	79	58	48	44
70% Exceedance	65	79	94	97	91	63	50	48	68	55	46	43
80% Exceedance	60	70	84	81	46	45	34	23	49	51	44	41
90% Exceedance	53	57	71	47	20	22	14	5	24	45	39	40
Full Simulation Period Average^a	77	98	126	112	102	100	85	70	74	65	55	52
Wet Years (27.7%)	60	69	86	82	59	46	31	23	40	63	59	50
Above Normal Years (13.9%)	66	81	113	119	93	88	67	58	72	67	56	51
Below Normal Years (17.8%)	76	95	143	117	115	116	91	77	79	67	51	46
Dry Years (23.8%)	79	109	137	126	125	125	122	97	93	55	42	43
Critical Years (15.8%)	110	153	170	135	134	150	136	114	102	76	68	75

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-6-6 c. Jones Pumping Plant South Delta Exports Chloride, ALT3 Minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-18	-11	10	-7	2	34	17	18	9	-16	-31	-40
20% Exceedance	-36	-23	2	-9	7	32	23	23	37	17	-12	-39
30% Exceedance	-37	-18	2	-17	7	17	26	24	35	18	-12	-43
40% Exceedance	-38	-17	-5	-10	2	4	9	9	32	17	-9	-42
50% Exceedance	-35	-19	-9	-2	6	-2	-2	-7	28	12	-7	-34
60% Exceedance	3	15	-18	-2	3	-4	-2	0	26	10	-4	-12
70% Exceedance	5	16	-22	3	6	-3	-3	-2	17	9	-2	-9
80% Exceedance	5	11	-13	5	-5	-7	-3	-6	4	8	-1	-9
90% Exceedance	3	1	0	8	0	-3	-3	-2	-4	4	-3	-9
Full Simulation Period Average^a	-16	-4	-4	-4	3	8	6	6	17	7	-10	-27
Wet Years (27.7%)	7	8	-18	4	0	-1	-2	-2	4	15	13	0
Above Normal Years (13.9%)	5	19	-14	0	-2	3	-5	-3	21	20	12	0
Below Normal Years (17.8%)	-37	-24	10	-5	15	13	6	8	25	17	-10	-45
Dry Years (23.8%)	-40	-19	1	-8	2	11	18	15	37	3	-27	-45
Critical Years (15.8%)	-21	-5	1	-10	-1	16	13	12	1	-27	-45	-46

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-6-7 a. Jones Pumping Plant South Delta Exports Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	128	157	168	170	155	137	121	98	96	102	112	117
20% Exceedance	125	146	163	159	139	125	112	88	63	62	79	101
30% Exceedance	119	131	157	152	122	119	106	83	59	56	68	93
40% Exceedance	117	124	154	136	115	114	102	81	57	53	63	90
50% Exceedance	110	113	144	122	105	108	97	77	55	51	58	81
60% Exceedance	68	73	134	110	97	95	72	63	53	48	52	56
70% Exceedance	60	63	116	94	85	66	53	50	50	46	47	52
80% Exceedance	55	59	97	76	50	52	38	29	46	44	45	51
90% Exceedance	51	56	71	39	19	25	17	7	28	41	42	49
Full Simulation Period Average^a	93	102	130	116	99	92	79	64	57	58	65	78
Wet Years (27.7%)	54	61	104	78	59	46	33	25	36	48	46	50
Above Normal Years (13.9%)	61	62	128	120	95	84	72	61	52	47	44	51
Below Normal Years (17.8%)	113	119	133	122	101	103	85	69	55	50	61	91
Dry Years (23.8%)	119	128	136	134	123	114	104	82	56	52	70	89
Critical Years (15.8%)	130	158	168	145	136	134	123	102	101	103	113	121

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-6-7 b. Jones Pumping Plant South Delta Exports Chloride, ALT4, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	131	160	169	167	155	135	120	98	90	105	107	114
20% Exceedance	127	149	165	151	133	124	109	84	65	64	80	103
30% Exceedance	121	134	160	138	121	118	105	81	59	58	70	95
40% Exceedance	116	126	154	126	113	112	101	79	58	53	66	92
50% Exceedance	110	113	149	116	102	108	95	72	56	51	60	87
60% Exceedance	77	94	141	111	91	91	71	61	53	48	54	81
70% Exceedance	72	85	131	96	84	64	52	46	51	47	53	77
80% Exceedance	69	79	107	77	50	50	38	27	45	44	51	72
90% Exceedance	66	69	76	40	19	24	17	7	28	41	49	68
Full Simulation Period Average^a	99	112	134	112	96	91	78	62	57	58	68	88
Wet Years (27.7%)	66	83	113	78	57	44	32	24	36	49	51	69
Above Normal Years (13.9%)	72	78	140	113	90	81	70	56	52	45	52	79
Below Normal Years (17.8%)	114	120	134	117	97	103	85	66	55	50	63	91
Dry Years (23.8%)	121	129	138	127	119	114	103	79	57	54	73	93
Critical Years (15.8%)	130	163	161	146	135	135	121	101	101	103	109	119

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-6-7 c. Jones Pumping Plant South Delta Exports Chloride, ALT4 Minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2	3	0	-3	-1	-3	-1	-1	-5	3	-5	-3
20% Exceedance	2	3	2	-8	-5	-2	-4	-5	2	2	2	2
30% Exceedance	2	3	3	-14	-1	-1	-1	-2	0	2	2	2
40% Exceedance	0	2	1	-10	-2	-2	-1	-2	1	0	3	2
50% Exceedance	0	0	5	-6	-3	0	-2	-5	1	0	2	6
60% Exceedance	9	22	7	1	-7	-3	-1	-3	0	0	3	25
70% Exceedance	12	22	15	2	-1	-2	0	-4	0	0	6	25
80% Exceedance	14	21	10	1	-1	-2	0	-1	0	1	6	21
90% Exceedance	15	13	5	1	0	-2	0	0	0	0	7	19
Full Simulation Period Average^a	6	10	4	-4	-3	-1	-1	-2	0	0	3	10
Wet Years (27.7%)	12	21	10	0	-2	-2	0	-1	0	1	4	19
Above Normal Years (13.9%)	12	16	13	-7	-5	-3	-2	-4	0	-2	8	28
Below Normal Years (17.8%)	1	1	1	-6	-4	-1	0	-3	0	0	2	0
Dry Years (23.8%)	2	2	2	-8	-4	0	-1	-3	1	2	3	5
Critical Years (15.8%)	0	4	-8	1	0	1	-2	-1	0	0	-3	-2

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-6-8 a. Jones Pumping Plant South Delta Exports Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	128	157	168	170	155	137	121	98	96	102	112	117
20% Exceedance	125	146	163	159	139	125	112	88	63	62	79	101
30% Exceedance	119	131	157	152	122	119	106	83	59	56	68	93
40% Exceedance	117	124	154	136	115	114	102	81	57	53	63	90
50% Exceedance	110	113	144	122	105	108	97	77	55	51	58	81
60% Exceedance	68	73	134	110	97	95	72	63	53	48	52	56
70% Exceedance	60	63	116	94	85	66	53	50	50	46	47	52
80% Exceedance	55	59	97	76	50	52	38	29	46	44	45	51
90% Exceedance	51	56	71	39	19	25	17	7	28	41	42	49
Full Simulation Period Average^a	93	102	130	116	99	92	79	64	57	58	65	78
Wet Years (27.7%)	54	61	104	78	59	46	33	25	36	48	46	50
Above Normal Years (13.9%)	61	62	128	120	95	84	72	61	52	47	44	51
Below Normal Years (17.8%)	113	119	133	122	101	103	85	69	55	50	61	91
Dry Years (23.8%)	119	128	136	134	123	114	104	82	56	52	70	89
Critical Years (15.8%)	130	158	168	145	136	134	123	102	101	103	113	121

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-6-8 b. Jones Pumping Plant South Delta Exports Chloride, Action 5, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	130	159	172	168	150	148	130	98	89	101	101	113
20% Exceedance	127	148	165	156	135	137	121	93	66	64	86	105
30% Exceedance	121	135	160	146	125	126	112	86	59	61	74	99
40% Exceedance	119	126	157	133	112	120	109	83	58	56	67	96
50% Exceedance	115	122	152	121	100	110	99	76	56	52	62	93
60% Exceedance	112	118	145	108	94	93	76	63	54	50	55	91
70% Exceedance	108	114	131	94	82	65	53	50	52	48	52	88
80% Exceedance	102	110	110	75	49	52	37	27	45	45	51	85
90% Exceedance	93	96	81	38	19	24	17	7	28	42	47	79
Full Simulation Period Average^a	112	124	137	114	97	96	83	64	56	59	68	94
Wet Years (27.7%)	96	108	118	77	56	45	33	25	36	50	50	81
Above Normal Years (13.9%)	106	110	144	118	91	85	75	60	52	48	50	90
Below Normal Years (17.8%)	115	122	137	121	97	111	90	69	55	52	64	94
Dry Years (23.8%)	121	126	135	128	121	123	113	86	58	56	78	96
Critical Years (15.8%)	132	163	164	147	138	136	122	99	95	98	107	118

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-6-8 c. Jones Pumping Plant South Delta Exports Chloride, Action 5 Minus NAA, Monthly Cl (mg/L)

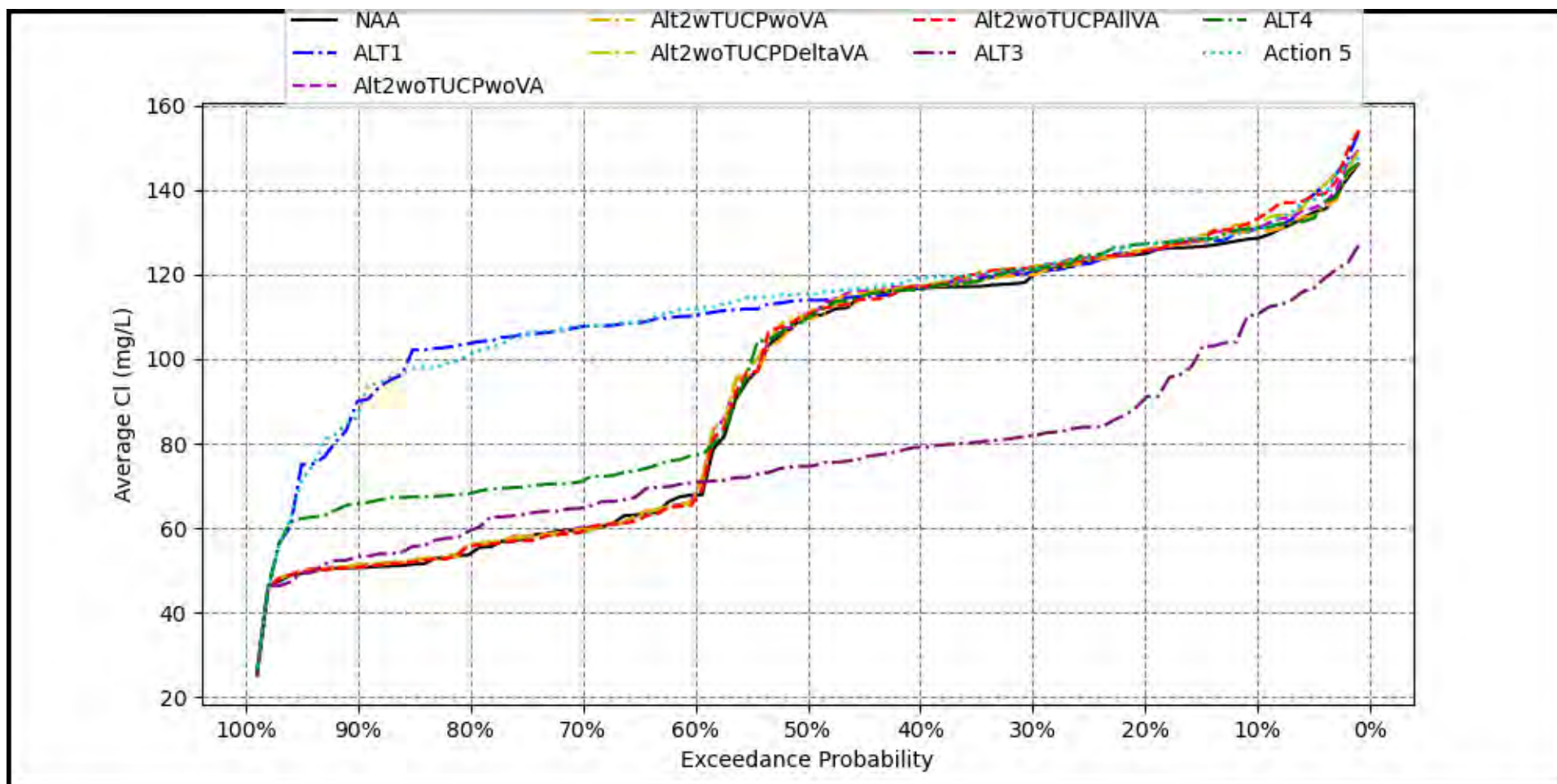
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2	2	4	-2	-5	10	9	0	-7	-1	-11	-4
20% Exceedance	2	2	3	-3	-4	11	9	4	3	2	7	4
30% Exceedance	3	3	3	-6	3	8	7	3	0	5	7	7
40% Exceedance	2	2	3	-3	-3	6	7	2	1	3	4	7
50% Exceedance	5	9	8	-1	-4	2	2	-1	1	1	4	13
60% Exceedance	44	45	11	-2	-3	-2	4	-1	1	2	4	34
70% Exceedance	48	51	14	0	-3	-1	0	-1	1	2	5	36
80% Exceedance	47	51	12	-1	-1	0	0	-1	0	2	6	34
90% Exceedance	43	40	9	-1	0	-2	0	0	0	1	5	30
Full Simulation Period Average^a	19	21	7	-2	-2	4	3	0	0	1	3	16
Wet Years (27.7%)	42	47	14	-1	-2	-1	0	0	0	2	4	31
Above Normal Years (13.9%)	45	48	17	-2	-4	1	3	0	0	1	5	39
Below Normal Years (17.8%)	2	3	4	-2	-3	7	5	0	1	2	3	3
Dry Years (23.8%)	1	-2	0	-6	-2	10	9	4	2	4	8	8
Critical Years (15.8%)	2	5	-4	2	3	1	-1	-3	-6	-6	-6	-3

^a Based on the 100-year simulation period.

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

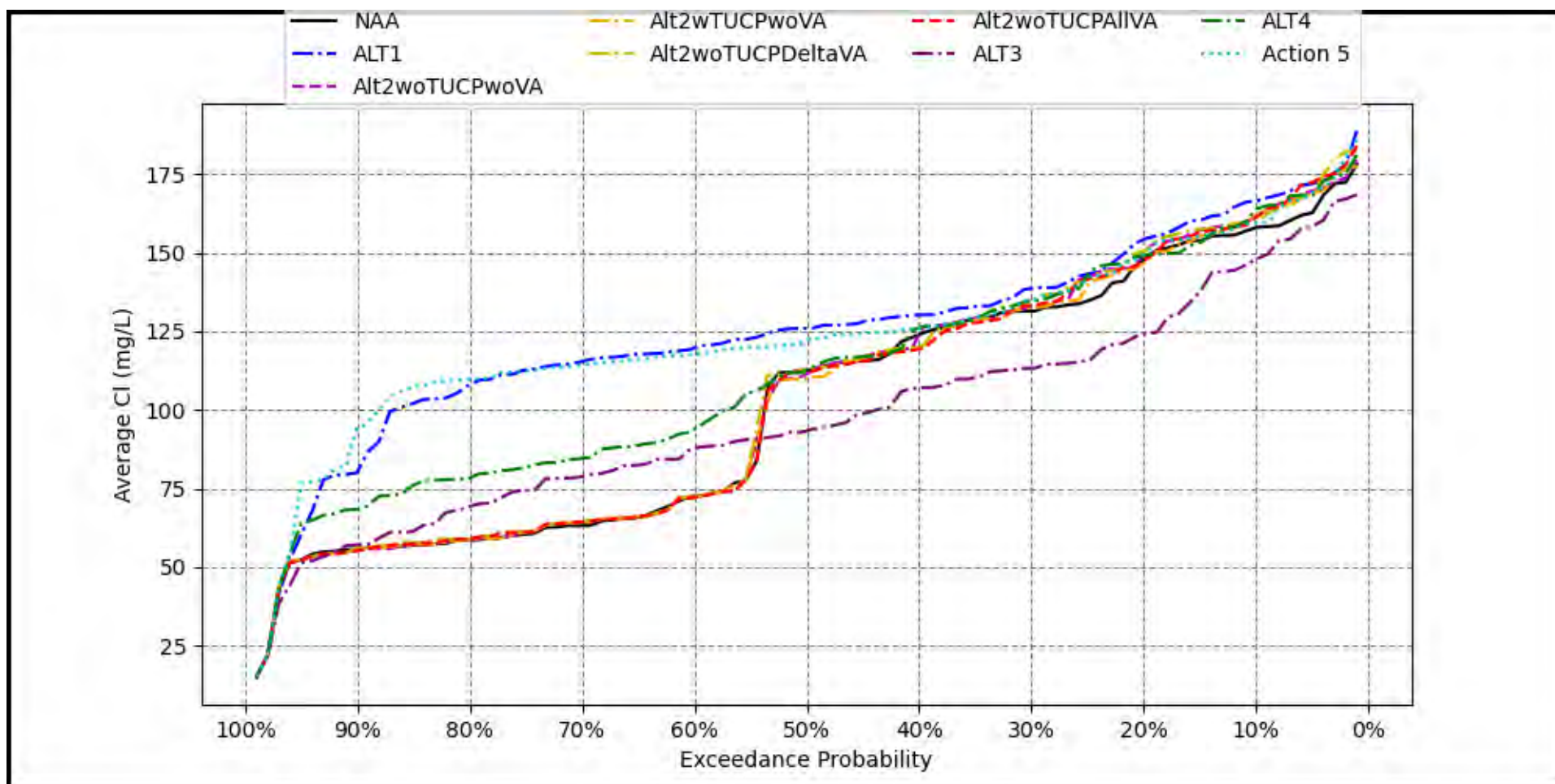
* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.



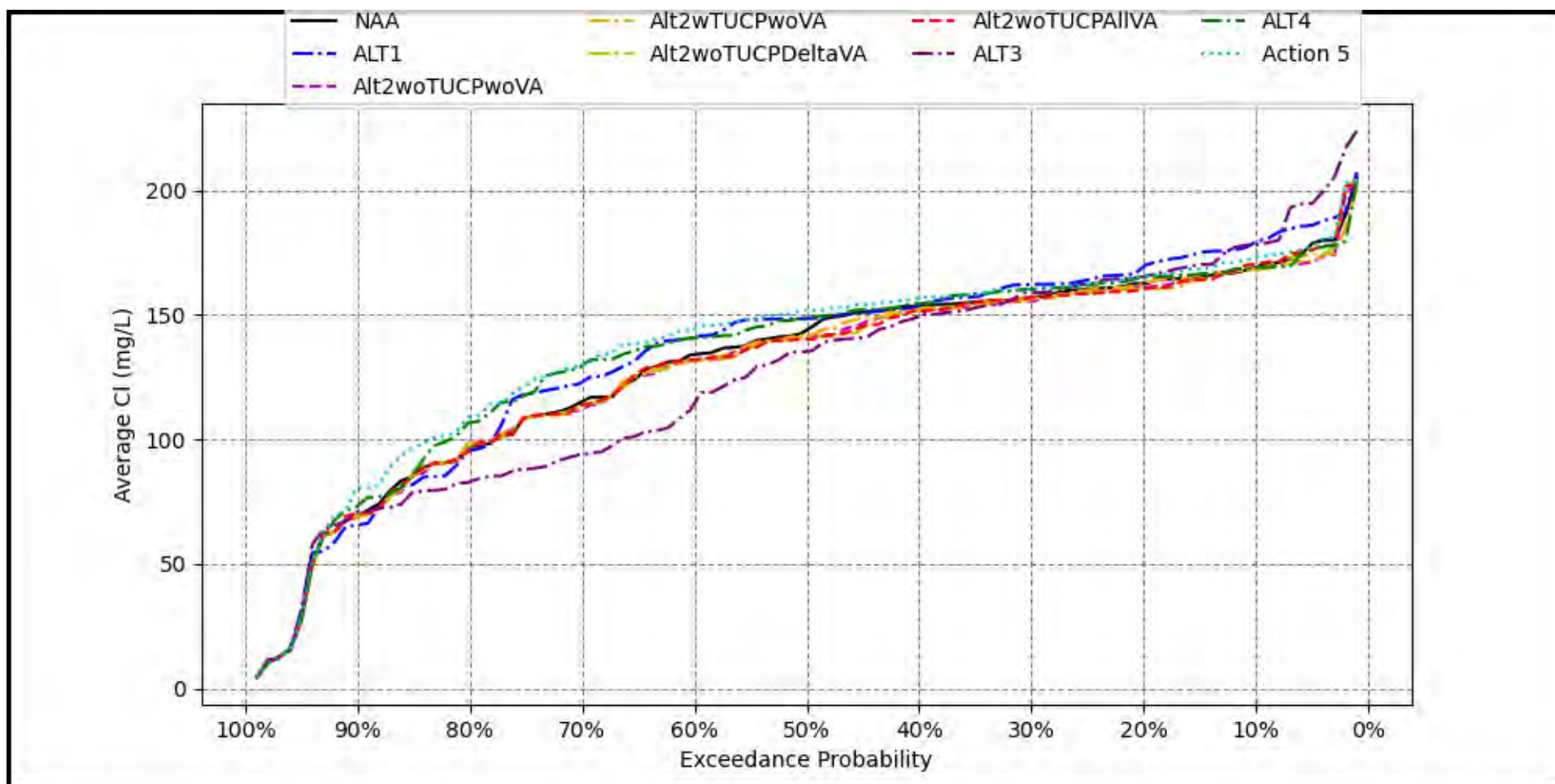
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-6-1 Jones Pumping Plant South Delta Exports Chloride, October Cl



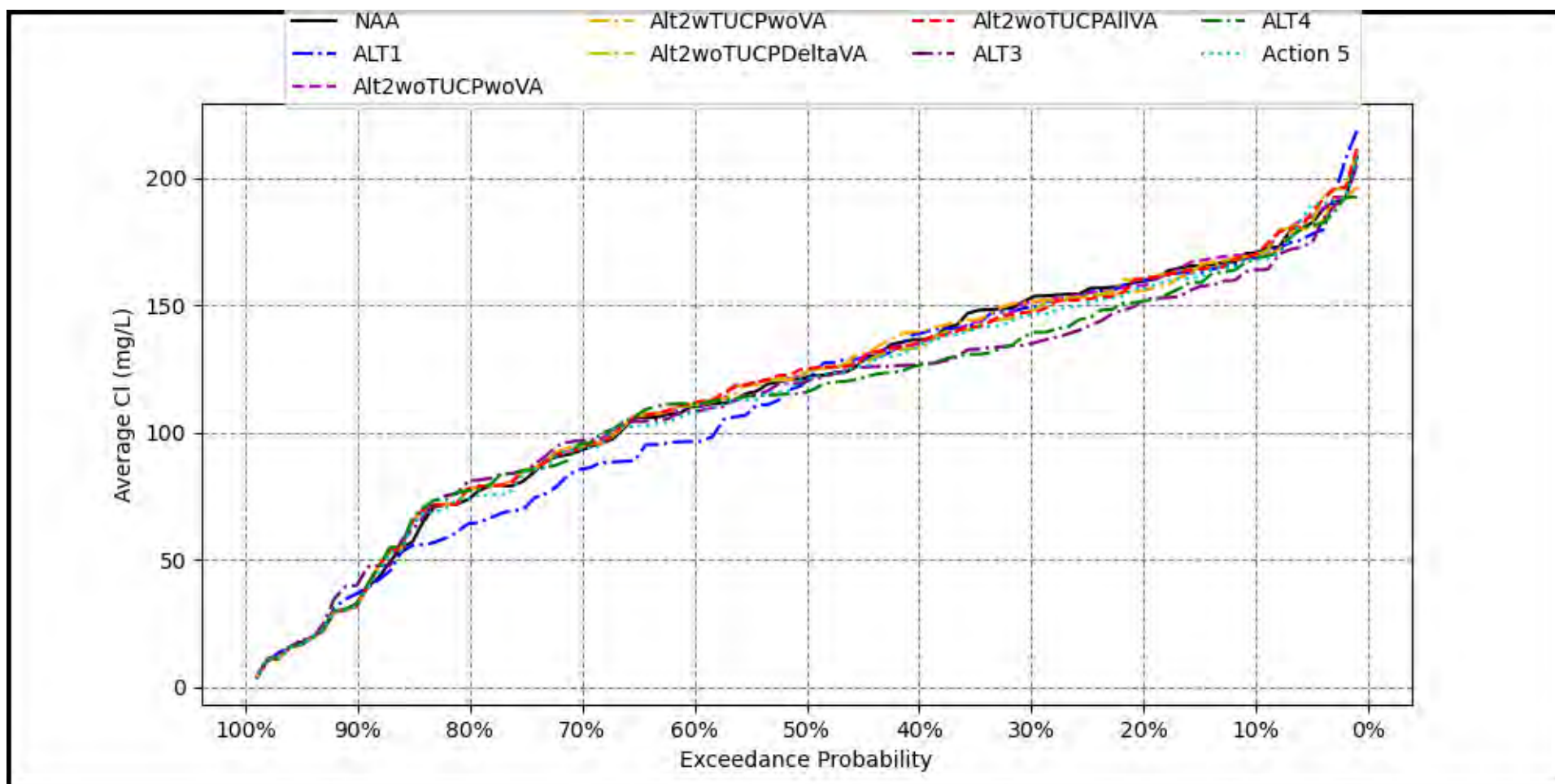
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-6-2 Jones Pumping Plant South Delta Exports Chloride, November Cl



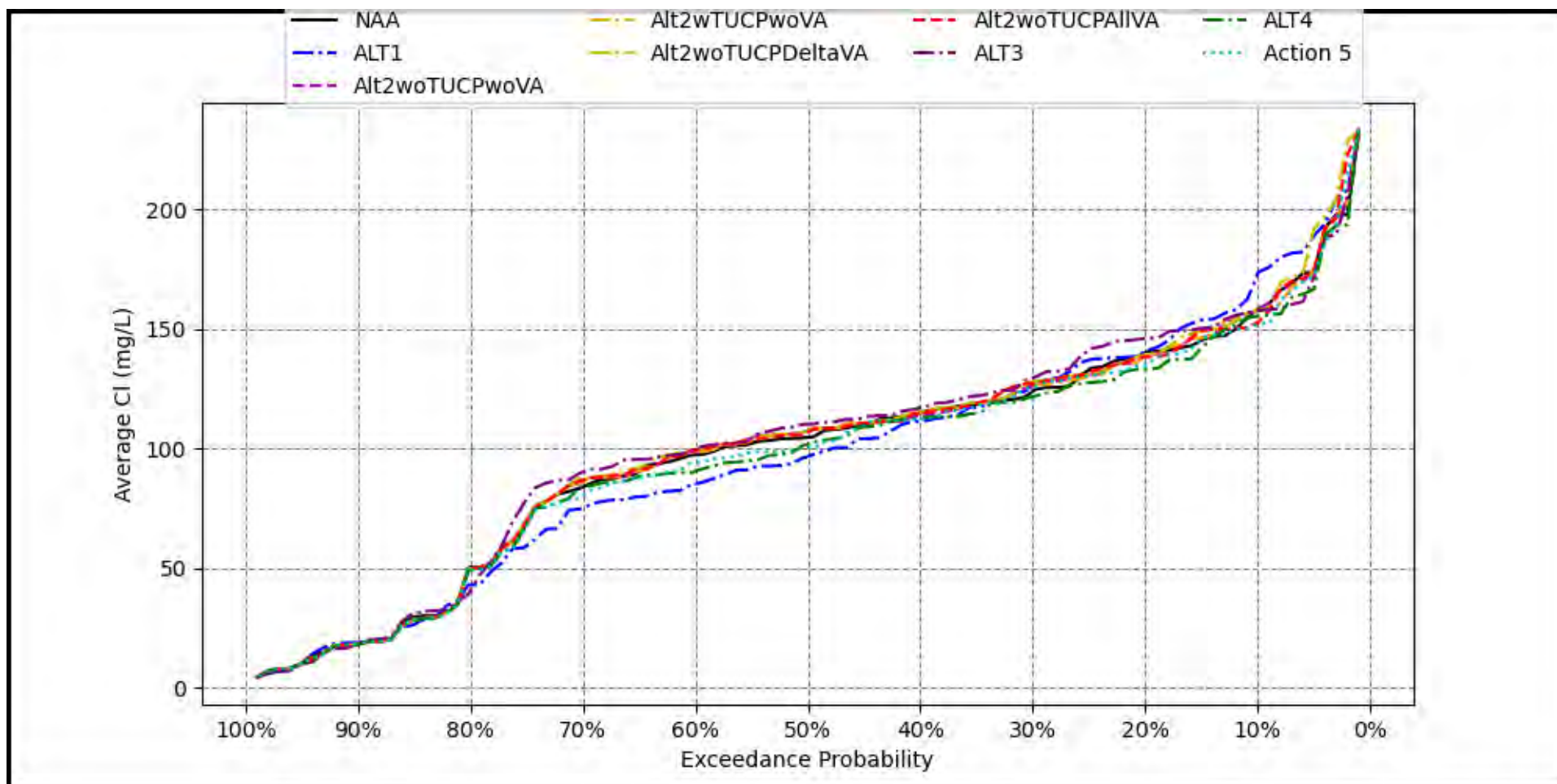
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-6-3 Jones Pumping Plant South Delta Exports Chloride, December Cl



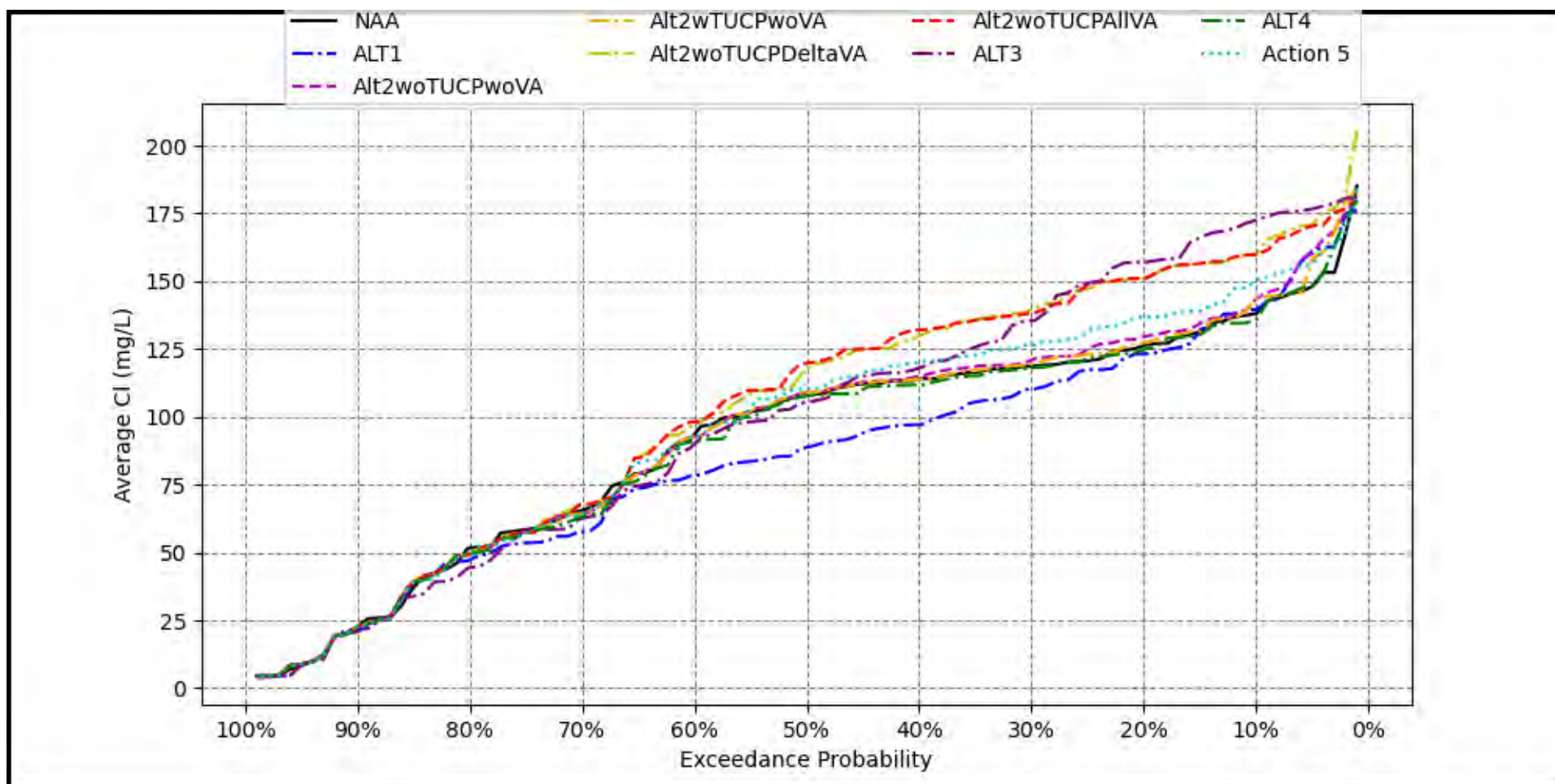
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-6-4 Jones Pumping Plant South Delta Exports Chloride, January Cl



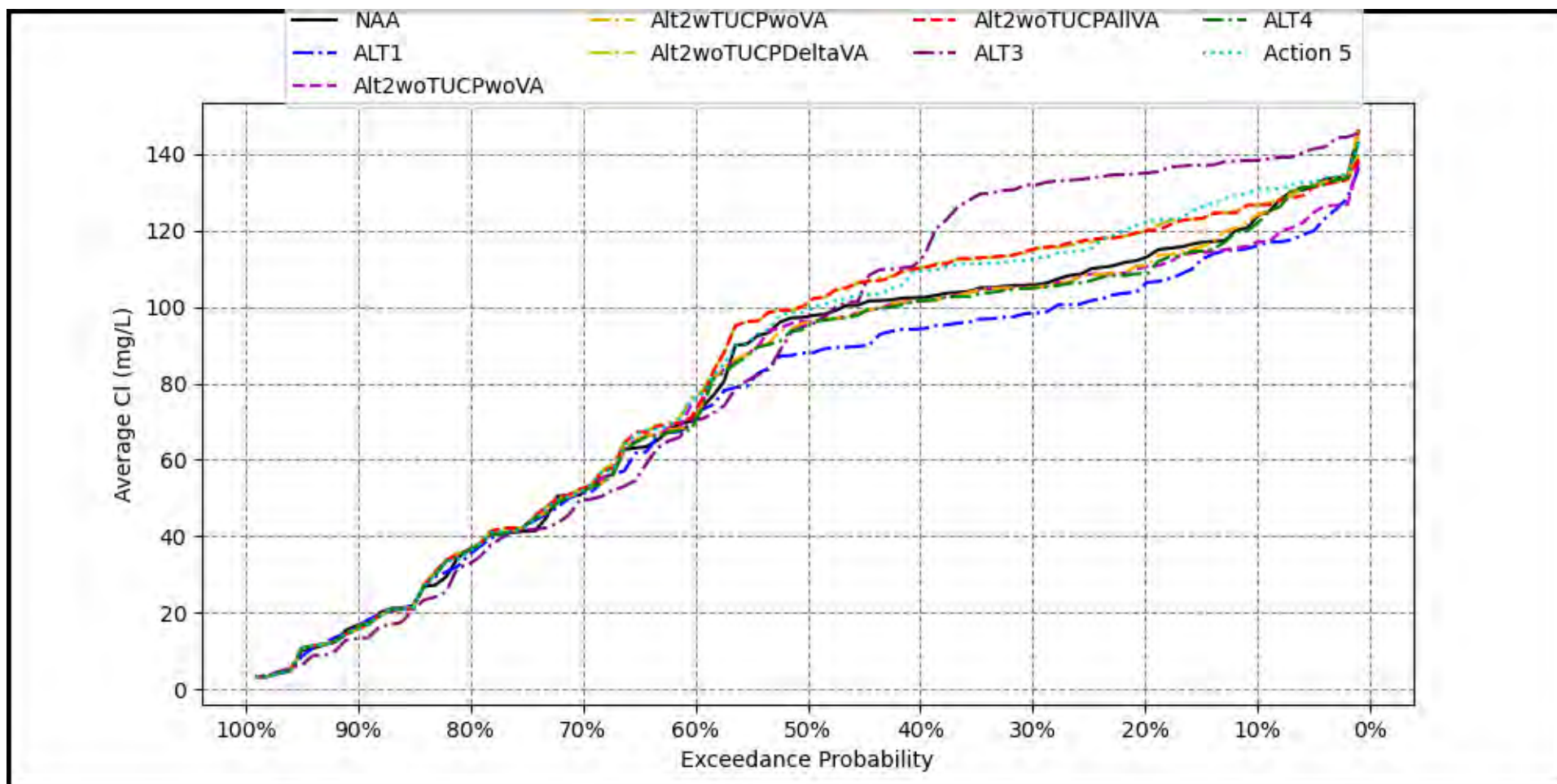
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-6-5 Jones Pumping Plant South Delta Exports Chloride, February Cl



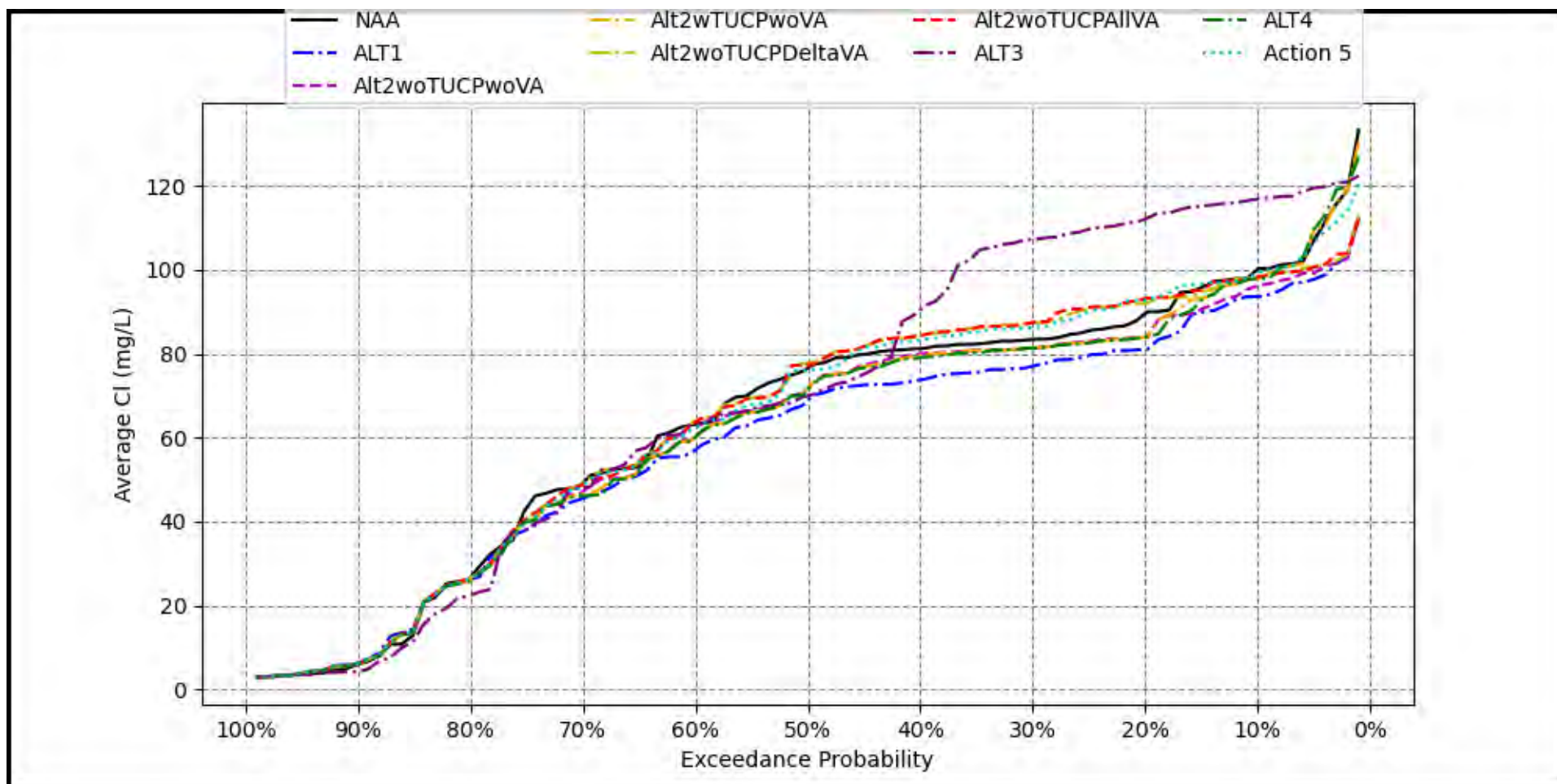
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-6-6 Jones Pumping Plant South Delta Exports Chloride, March Cl



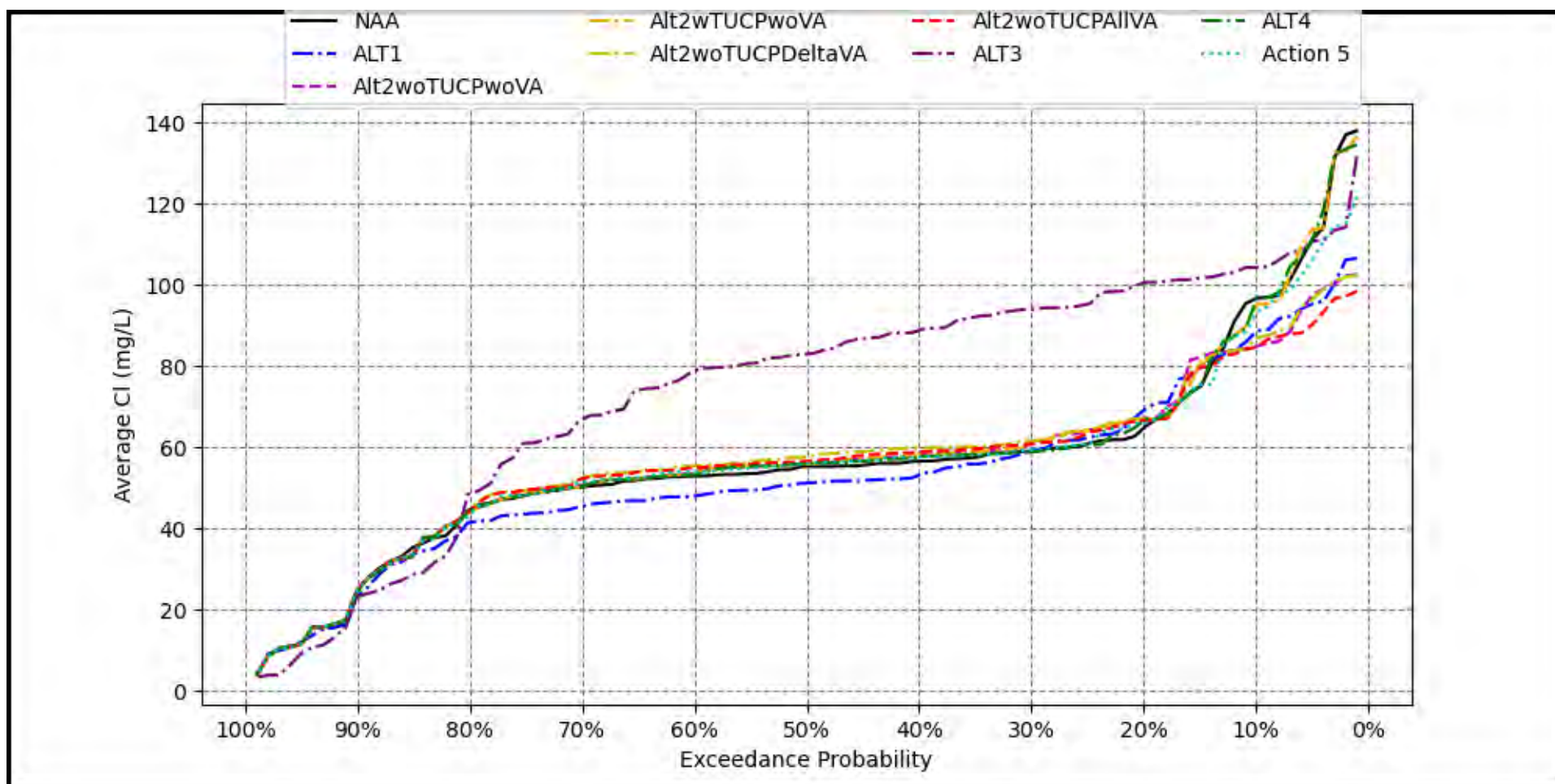
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-6-7 Jones Pumping Plant South Delta Exports Chloride, April Cl



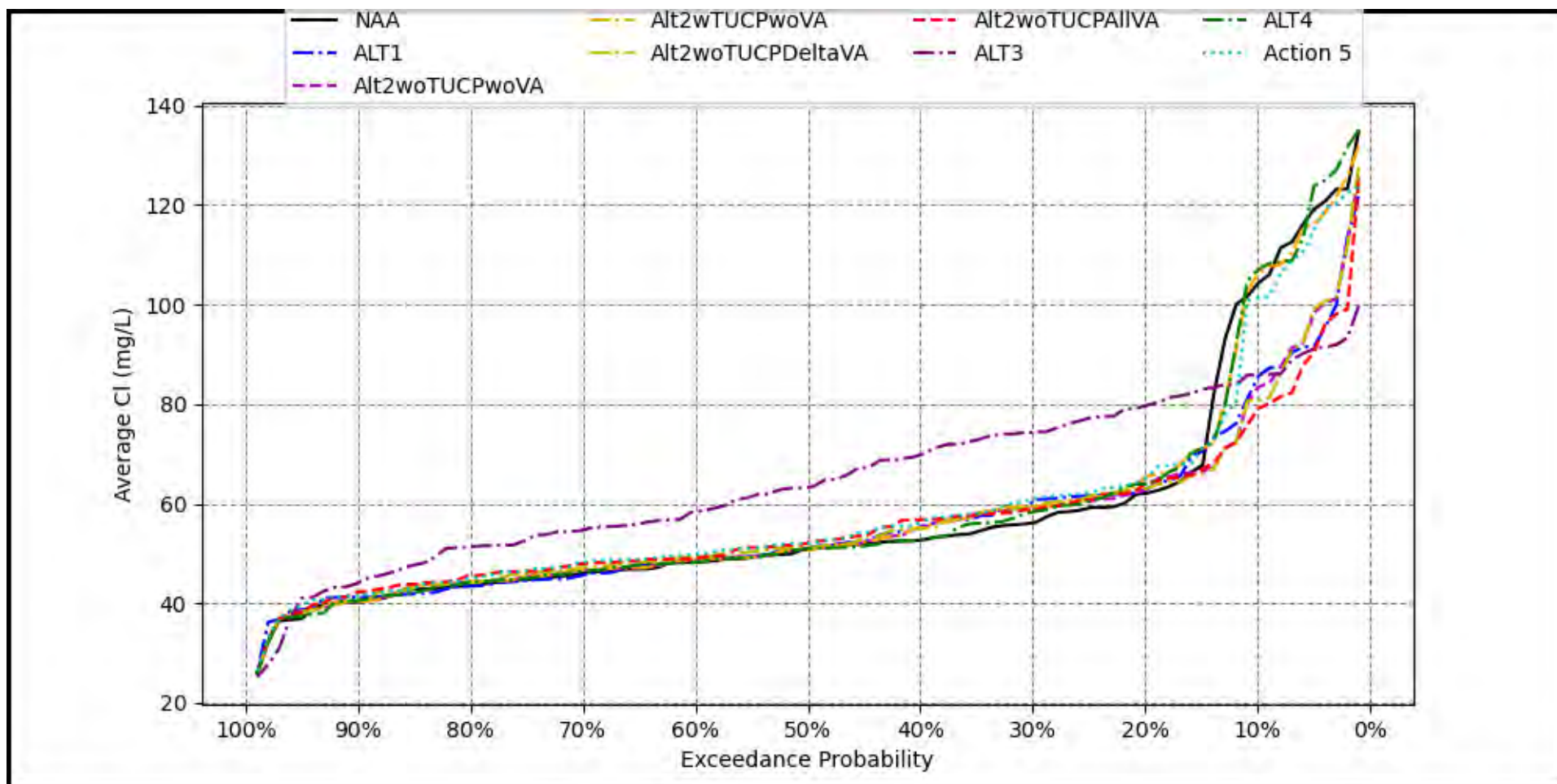
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-6-8 Jones Pumping Plant South Delta Exports Chloride, May Cl



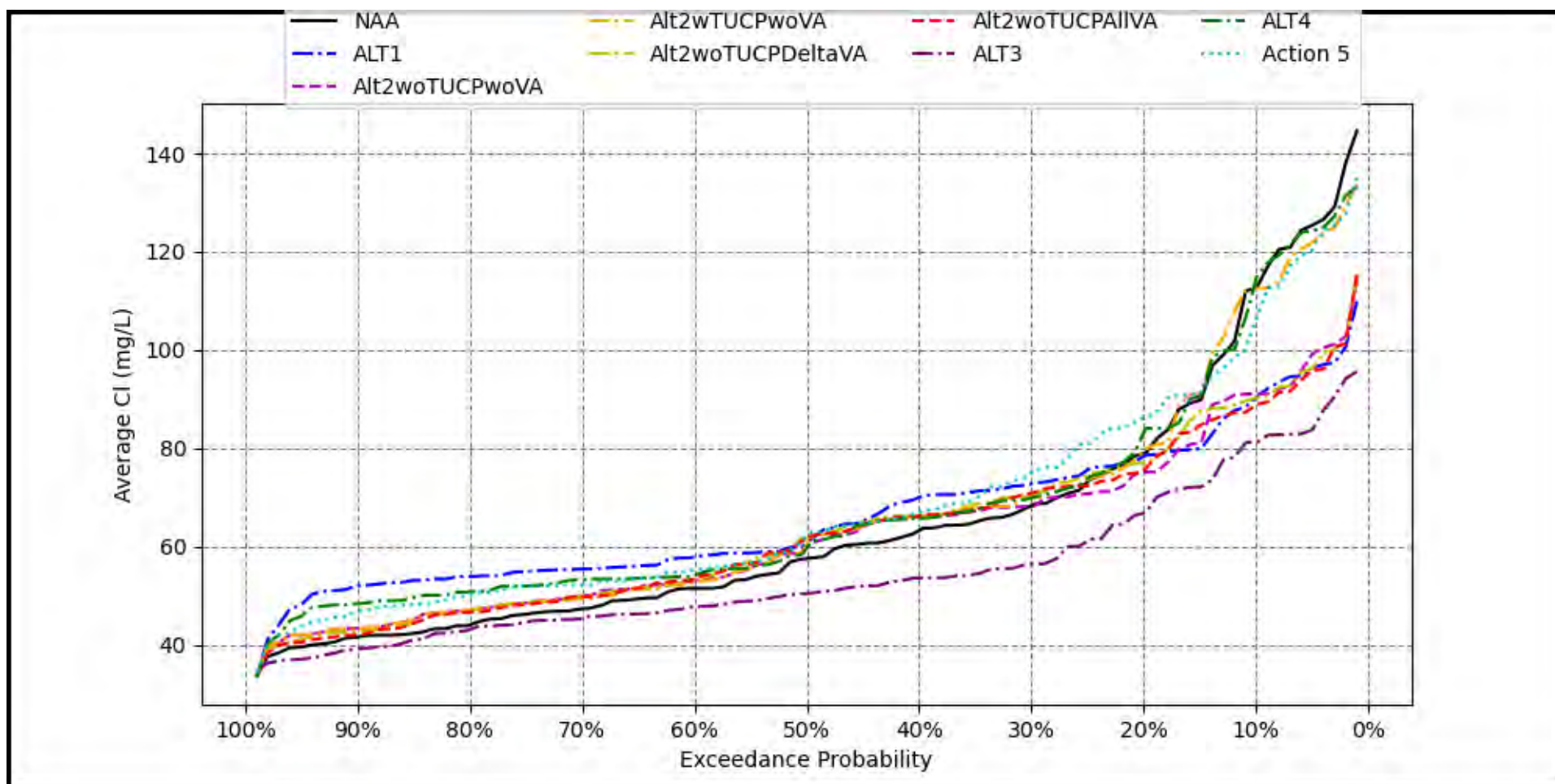
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-6-9 Jones Pumping Plant South Delta Exports Chloride, June Cl



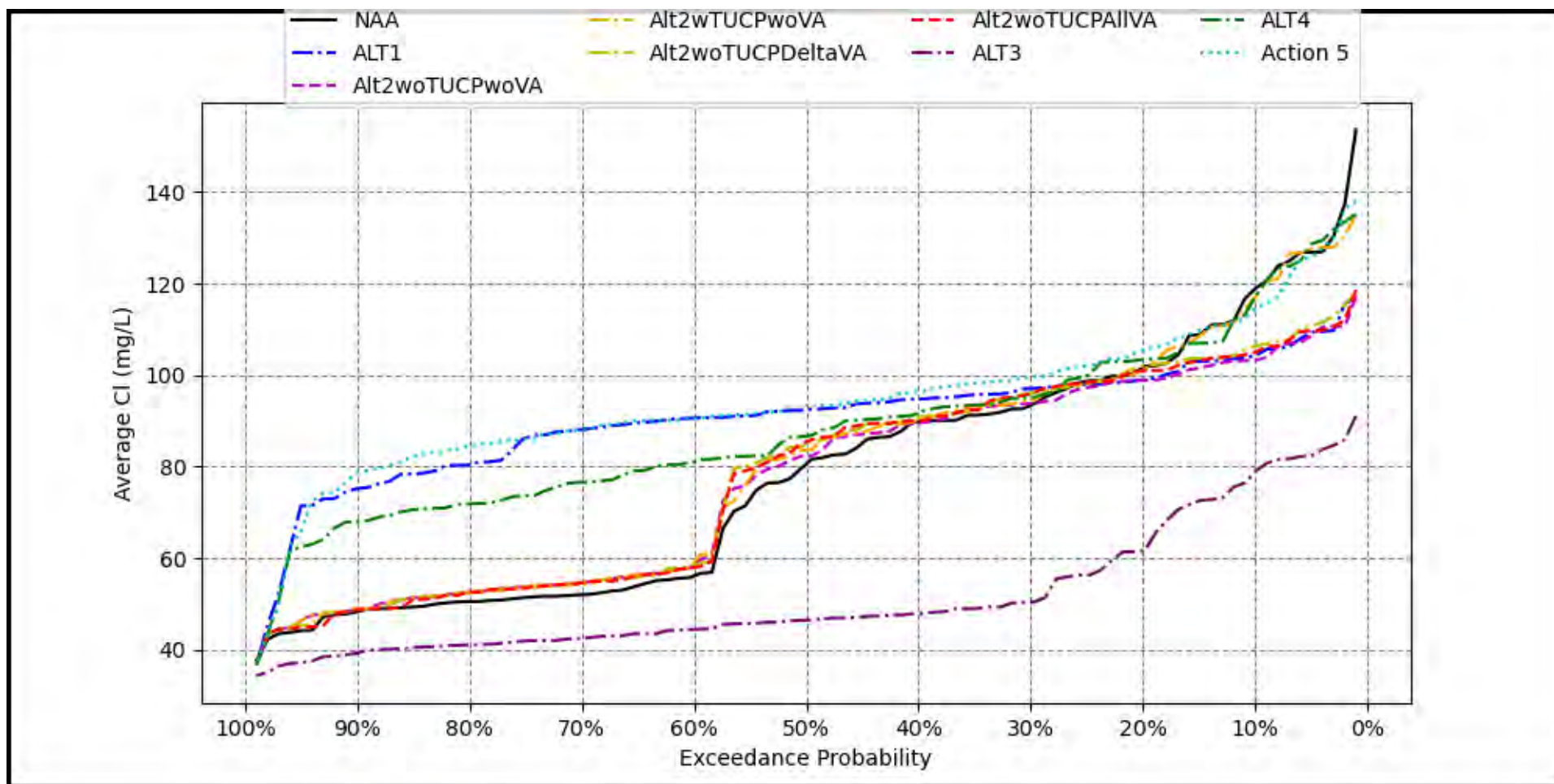
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-6-10 Jones Pumping Plant South Delta Exports Chloride, July Cl



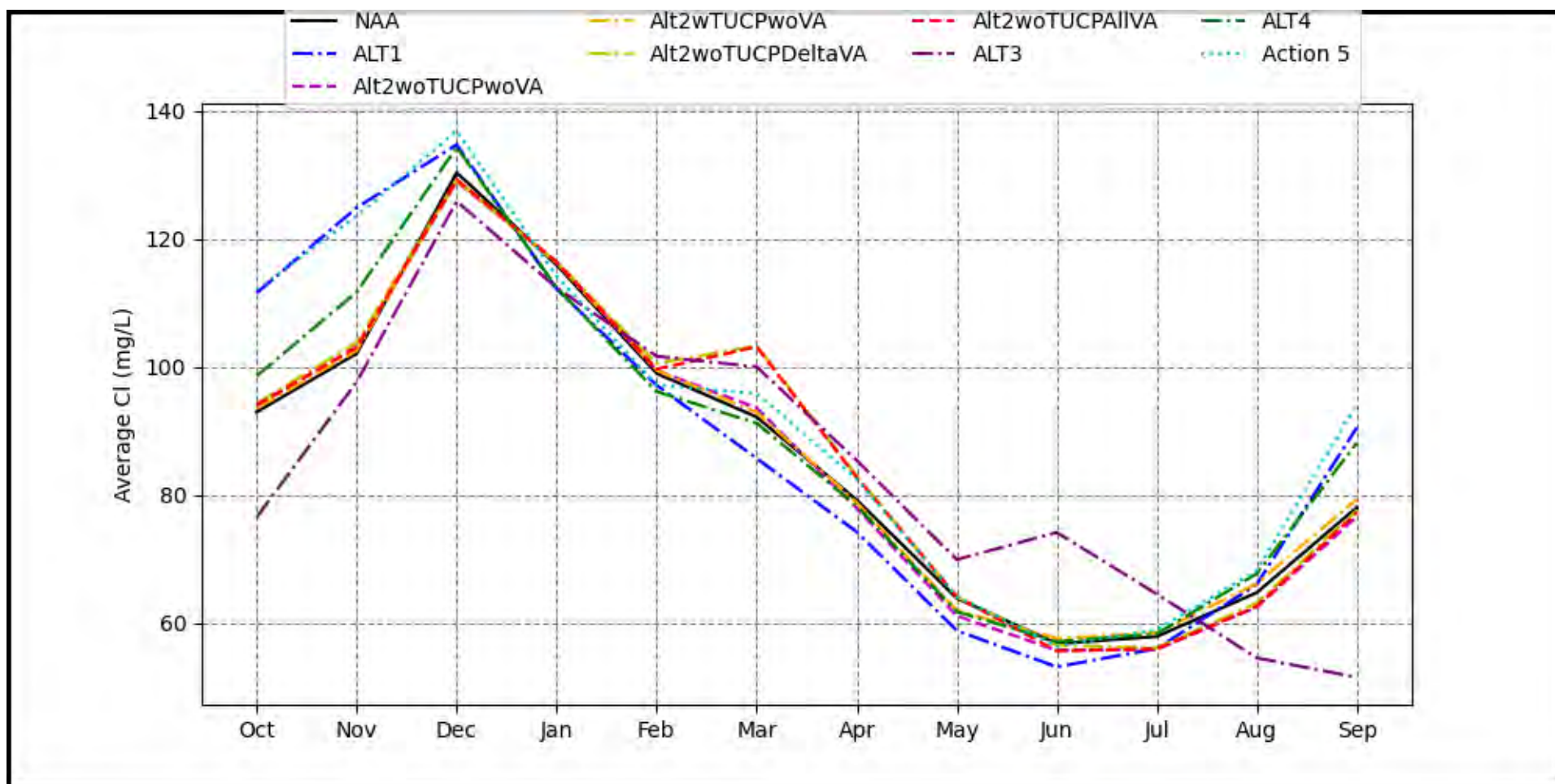
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-6-11 Jones Pumping Plant South Delta Exports Chloride, August Cl



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

Figure F.2.7-6-12 Jones Pumping Plant South Delta Exports Chloride, September Cl

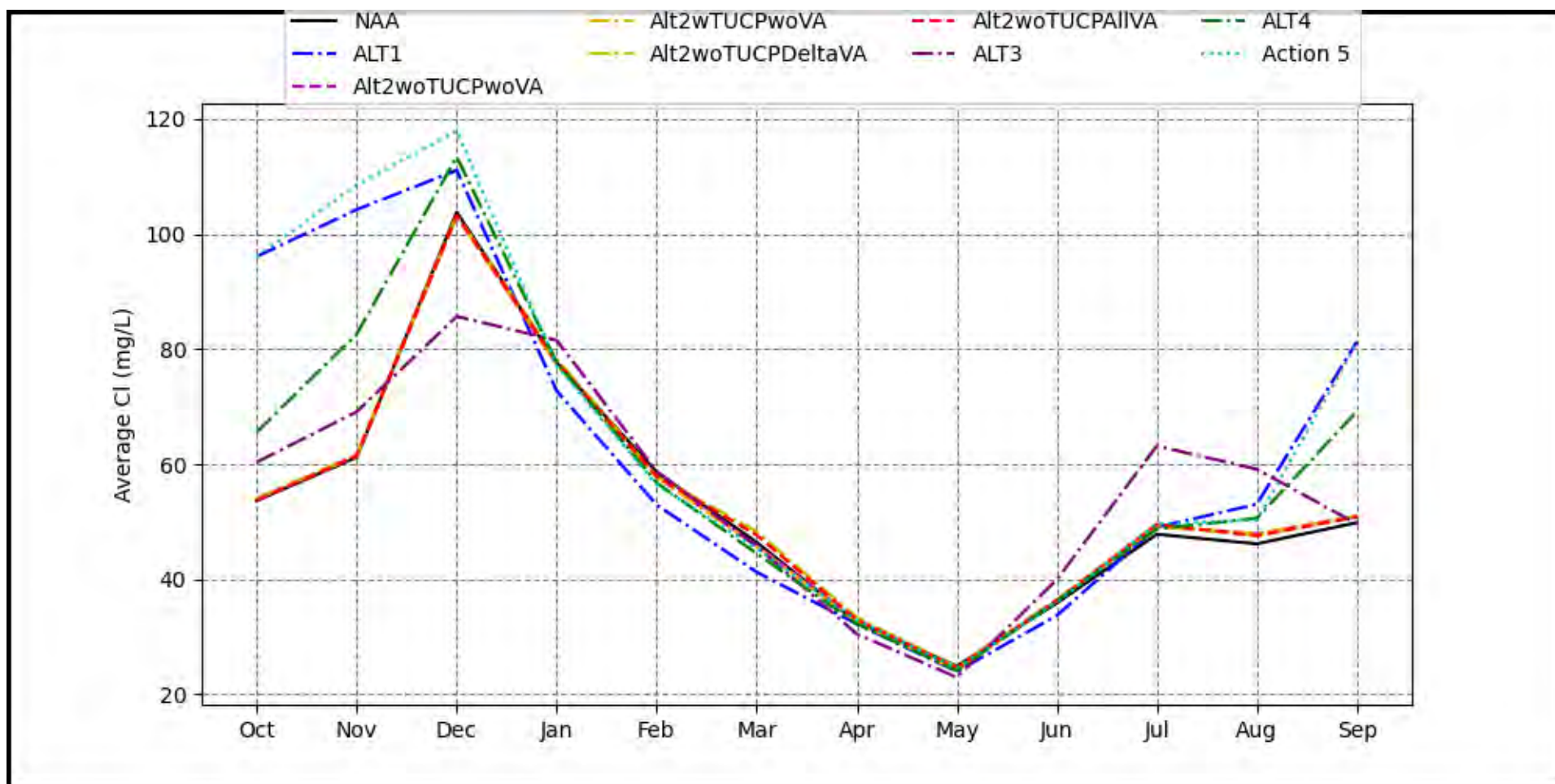


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.7-6-13 Jones Pumping Plant South Delta Exports Chloride, Long Term Average Cl (mg/L)

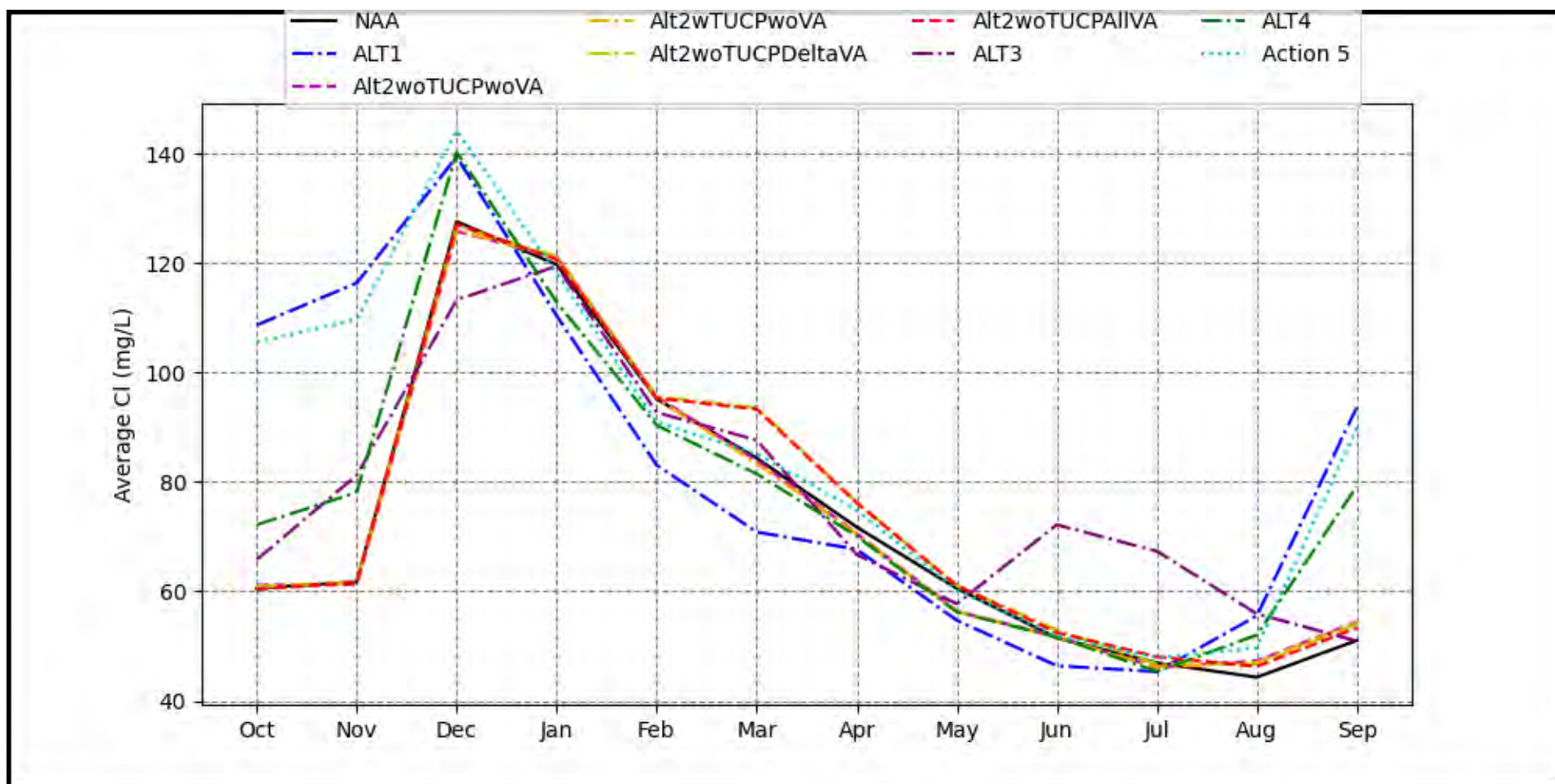


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.7-6-14 Jones Pumping Plant South Delta Exports Chloride, Wet Year Average Cl (mg/L)

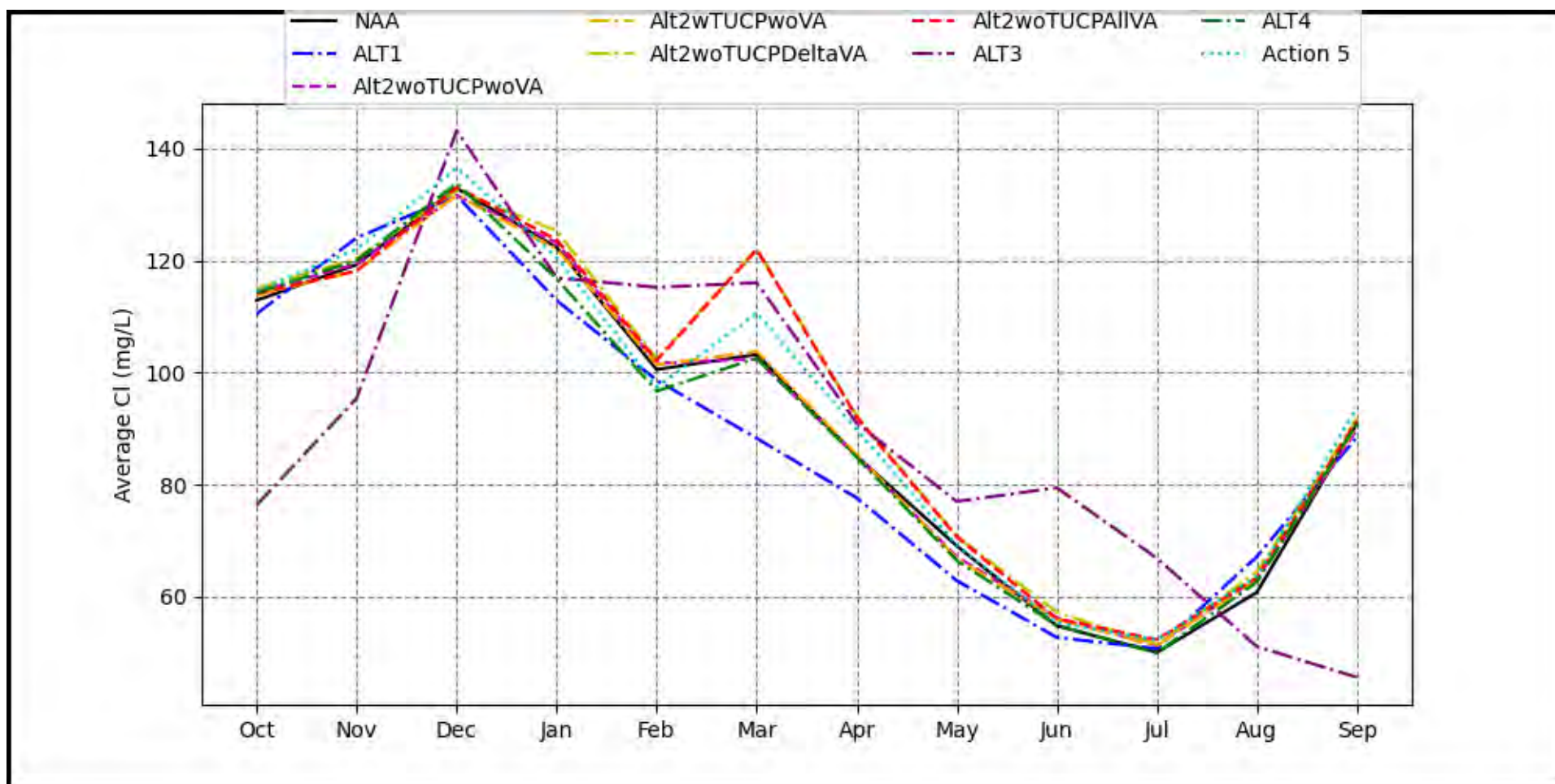


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.7-6-15 Jones Pumping Plant South Delta Exports Chloride, Above Normal Year Average Cl (mg/L)

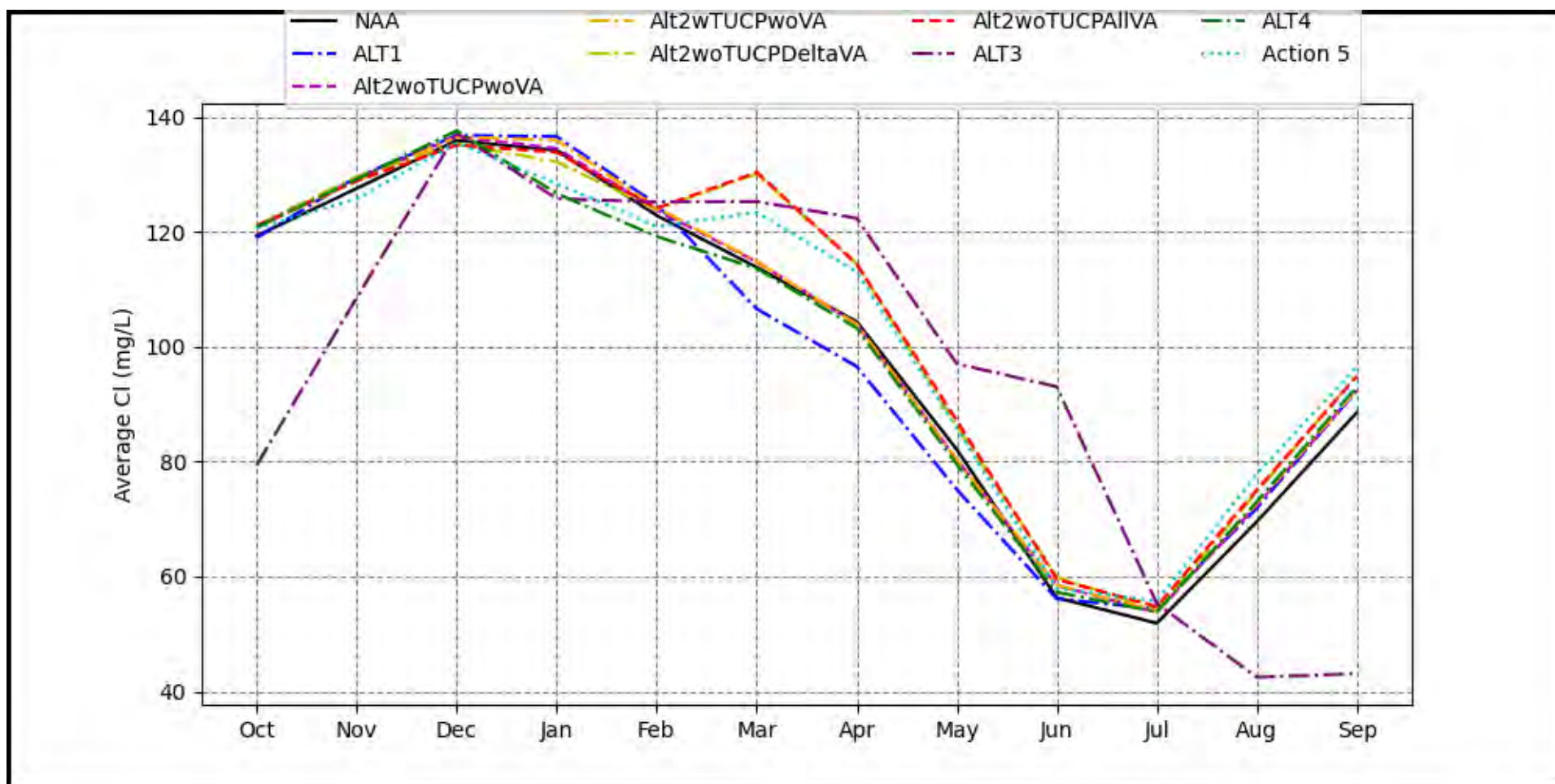


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.7-6-16 Jones Pumping Plant South Delta Exports Chloride, Below Normal Year Average Cl (mg/L)

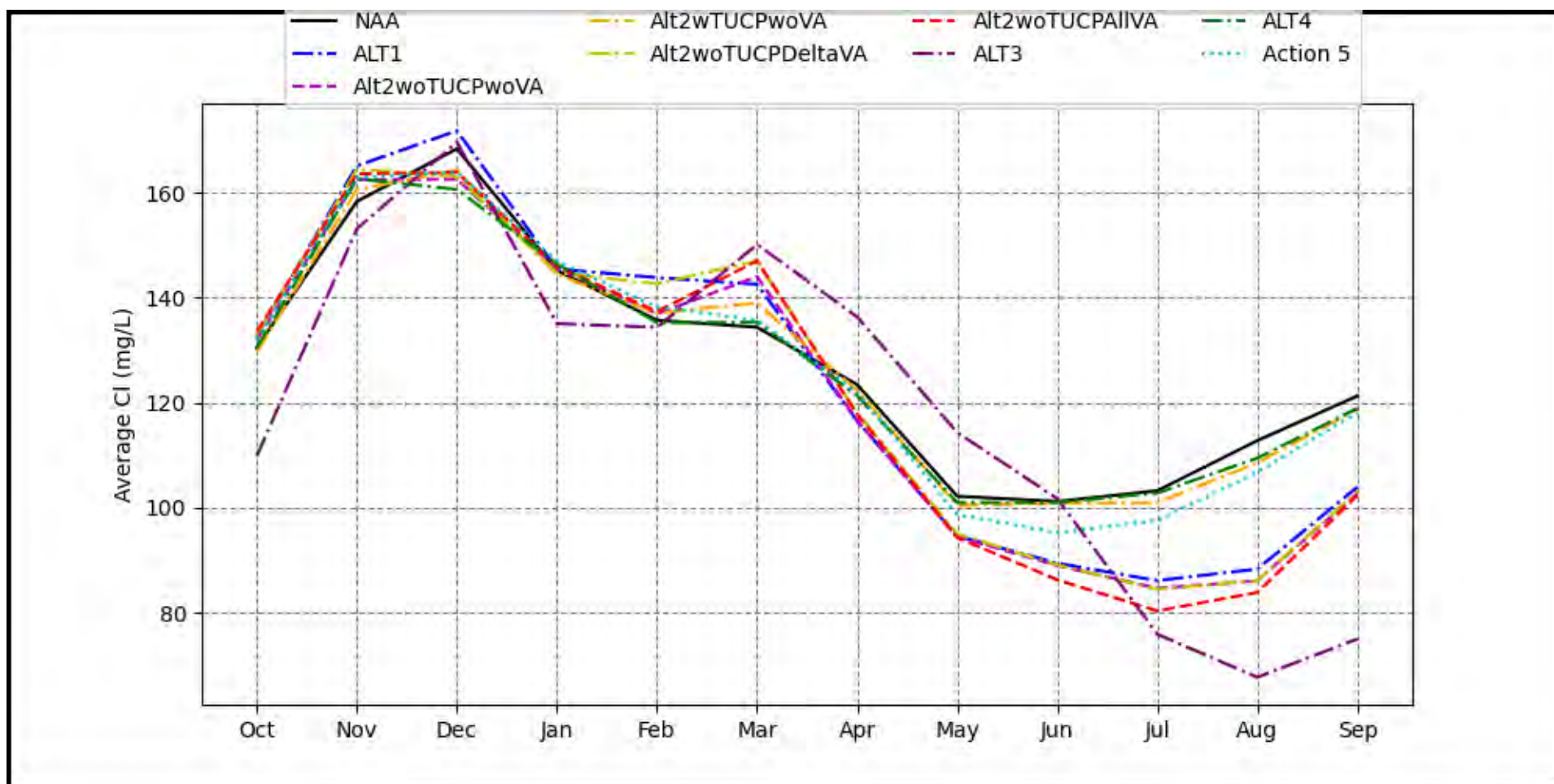


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.7-6-17 Jones Pumping Plant South Delta Exports Chloride, Dry Year Average Cl (mg/L)



*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.7-6-18 Jones Pumping Plant South Delta Exports Chloride, Critical Year Average Cl (mg/L)

F.2.7-7 North Bay Aqueduct Chloride

Table F.2.7-7-1 a. North Bay Aqueduct Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	19	21	26	28	31	31	27	21	18	17	18	18
20% Exceedance	19	21	25	26	29	29	26	21	18	17	17	17
30% Exceedance	19	21	24	25	27	28	25	20	17	17	17	17
40% Exceedance	18	21	24	24	26	27	25	20	17	17	16	17
50% Exceedance	18	20	24	22	23	25	24	20	17	16	16	17
60% Exceedance	18	20	23	21	21	23	23	20	17	16	16	17
70% Exceedance	18	20	23	20	20	22	23	20	17	16	16	17
80% Exceedance	18	20	22	20	20	22	22	19	17	16	16	17
90% Exceedance	18	20	22	19	19	21	22	19	17	16	16	17
Full Simulation Period Average^a	18	21	24	23	25	26	24	20	17	17	17	17
Wet Years (27.7%)	18	20	23	21	22	23	23	19	17	16	16	17
Above Normal Years (13.9%)	18	20	24	24	26	26	24	20	17	16	16	17
Below Normal Years (17.8%)	18	20	24	23	24	24	24	20	17	17	16	17
Dry Years (23.8%)	18	21	24	24	26	28	25	20	17	16	16	17
Critical Years (15.8%)	19	21	25	25	28	29	26	21	19	18	18	18

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-7-1 b. North Bay Aqueduct Chloride, ALT1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	19	22	26	29	33	32	28	22	18	17	17	18
20% Exceedance	19	21	25	27	29	30	26	21	18	17	17	17
30% Exceedance	19	21	24	25	27	28	26	20	17	17	17	17
40% Exceedance	19	21	24	25	26	27	25	20	17	16	16	17
50% Exceedance	18	21	24	22	23	25	24	20	17	16	16	17
60% Exceedance	18	20	23	21	21	23	24	20	17	16	16	17
70% Exceedance	18	20	23	20	20	22	23	20	17	16	16	17
80% Exceedance	18	20	23	20	20	22	22	19	17	16	16	17
90% Exceedance	18	20	22	19	19	21	22	19	17	16	16	17
Full Simulation Period Average^a	18	21	24	23	25	26	24	20	17	17	17	17
Wet Years (27.7%)	18	20	23	21	22	23	23	19	17	16	16	17
Above Normal Years (13.9%)	18	20	24	24	26	26	24	20	17	16	16	17
Below Normal Years (17.8%)	19	21	24	23	24	25	24	20	17	16	16	17
Dry Years (23.8%)	19	21	24	24	26	28	25	20	17	16	16	17
Critical Years (15.8%)	19	21	25	26	28	31	27	21	18	17	17	18

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-7-1 c. North Bay Aqueduct Chloride, ALT1 Minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	1	2	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	1	1	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	1	0	0	0	0	0
40% Exceedance	0	0	0	1	0	1	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 Years (27.7%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Years (13.9%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Years (17.8%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Years (23.8%)	0	0	0	1	0	0	0	0	0	0	0	0
Critical Years (15.8%)	0	0	0	0	1	2	1	0	0	0	0	0

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-7-2 a. North Bay Aqueduct Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	19	21	26	28	31	31	27	21	18	17	18	18
20% Exceedance	19	21	25	26	29	29	26	21	18	17	17	17
30% Exceedance	19	21	24	25	27	28	25	20	17	17	17	17
40% Exceedance	18	21	24	24	26	27	25	20	17	17	16	17
50% Exceedance	18	20	24	22	23	25	24	20	17	16	16	17
60% Exceedance	18	20	23	21	21	23	23	20	17	16	16	17
70% Exceedance	18	20	23	20	20	22	23	20	17	16	16	17
80% Exceedance	18	20	22	20	20	22	22	19	17	16	16	17
90% Exceedance	18	20	22	19	19	21	22	19	17	16	16	17
Full Simulation Period Average^a	18	21	24	23	25	26	24	20	17	17	17	17
Wet Years (27.7%)	18	20	23	21	22	23	23	19	17	16	16	17
Above Normal Years (13.9%)	18	20	24	24	26	26	24	20	17	16	16	17
Below Normal Years (17.8%)	18	20	24	23	24	24	24	20	17	17	16	17
Dry Years (23.8%)	18	21	24	24	26	28	25	20	17	16	16	17
Critical Years (15.8%)	19	21	25	25	28	29	26	21	19	18	18	18

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-7-2 b. North Bay Aqueduct Chloride, Alt2woTUCPwoVA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	19	21	26	28	31	33	28	22	18	17	17	18
20% Exceedance	19	21	25	26	29	30	26	21	18	17	17	17
30% Exceedance	19	21	24	25	27	28	25	20	17	17	17	17
40% Exceedance	18	21	24	24	26	27	25	20	17	16	16	17
50% Exceedance	18	20	24	22	23	25	24	20	17	16	16	17
60% Exceedance	18	20	23	21	21	23	23	20	17	16	16	17
70% Exceedance	18	20	23	20	20	22	23	20	17	16	16	17
80% Exceedance	18	20	22	20	20	22	22	19	17	16	16	17
90% Exceedance	18	20	22	19	19	21	22	19	17	16	16	17
Full Simulation Period Average^a	18	20	24	23	25	26	24	20	17	17	17	17
Wet Years (27.7%)	18	20	23	21	22	23	23	19	17	16	16	17
Above Normal Years (13.9%)	18	20	24	24	26	26	24	20	17	16	16	17
Below Normal Years (17.8%)	18	20	24	23	24	24	24	20	17	17	16	17
Dry Years (23.8%)	18	21	24	24	26	28	25	20	17	16	17	17
Critical Years (15.8%)	19	21	25	26	28	31	27	21	18	17	17	18

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-7-2 c. North Bay Aqueduct Chloride, Alt2woTUCPwoVA Minus NAA, Monthly Cl (mg/L)

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	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 Years (27.7%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Years (13.9%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Years (17.8%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Years (23.8%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Years (15.8%)	0	0	0	0	0	2	1	0	0	0	0	0

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-7-3 a. North Bay Aqueduct Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	19	21	26	28	31	31	27	21	18	17	18	18
20% Exceedance	19	21	25	26	29	29	26	21	18	17	17	17
30% Exceedance	19	21	24	25	27	28	25	20	17	17	17	17
40% Exceedance	18	21	24	24	26	27	25	20	17	17	16	17
50% Exceedance	18	20	24	22	23	25	24	20	17	16	16	17
60% Exceedance	18	20	23	21	21	23	23	20	17	16	16	17
70% Exceedance	18	20	23	20	20	22	23	20	17	16	16	17
80% Exceedance	18	20	22	20	20	22	22	19	17	16	16	17
90% Exceedance	18	20	22	19	19	21	22	19	17	16	16	17
Full Simulation Period Average^a	18	21	24	23	25	26	24	20	17	17	17	17
Wet Years (27.7%)	18	20	23	21	22	23	23	19	17	16	16	17
Above Normal Years (13.9%)	18	20	24	24	26	26	24	20	17	16	16	17
Below Normal Years (17.8%)	18	20	24	23	24	24	24	20	17	17	16	17
Dry Years (23.8%)	18	21	24	24	26	28	25	20	17	16	16	17
Critical Years (15.8%)	19	21	25	25	28	29	26	21	19	18	18	18

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-7-3 b. North Bay Aqueduct Chloride, Alt2wTUCPwoVA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	19	21	26	28	31	31	27	21	18	17	18	18
20% Exceedance	19	21	25	26	29	29	26	21	18	17	17	17
30% Exceedance	19	21	24	25	27	28	25	20	17	17	17	17
40% Exceedance	18	21	24	24	26	26	25	20	17	16	16	17
50% Exceedance	18	20	24	22	23	25	24	20	17	16	16	17
60% Exceedance	18	20	23	21	21	23	23	20	17	16	16	17
70% Exceedance	18	20	23	20	20	22	23	20	17	16	16	17
80% Exceedance	18	20	22	20	20	22	22	19	17	16	16	17
90% Exceedance	18	20	22	19	19	21	22	19	17	16	16	17
Full Simulation Period Average^a	18	20	24	23	25	26	24	20	17	17	17	17
Wet Years (27.7%)	18	20	23	21	22	23	23	19	17	16	16	17
Above Normal Years (13.9%)	18	20	24	24	26	26	24	20	17	16	16	17
Below Normal Years (17.8%)	18	20	24	23	24	24	24	20	17	17	16	17
Dry Years (23.8%)	18	21	24	24	26	28	25	20	17	16	17	17
Critical Years (15.8%)	19	21	25	26	28	29	26	21	19	18	18	18

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-7-3 c. North Bay Aqueduct Chloride, Alt2wTUCPwoVA Minus NAA, Monthly Cl (mg/L)

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 Years (27.7%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Years (13.9%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Years (17.8%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Years (23.8%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Years (15.8%)	0	0	0	0	0	0	0	0	0	0	0	0

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-7-4 a. North Bay Aqueduct Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	19	21	26	28	31	31	27	21	18	17	18	18
20% Exceedance	19	21	25	26	29	29	26	21	18	17	17	17
30% Exceedance	19	21	24	25	27	28	25	20	17	17	17	17
40% Exceedance	18	21	24	24	26	27	25	20	17	17	16	17
50% Exceedance	18	20	24	22	23	25	24	20	17	16	16	17
60% Exceedance	18	20	23	21	21	23	23	20	17	16	16	17
70% Exceedance	18	20	23	20	20	22	23	20	17	16	16	17
80% Exceedance	18	20	22	20	20	22	22	19	17	16	16	17
90% Exceedance	18	20	22	19	19	21	22	19	17	16	16	17
Full Simulation Period Average^a	18	21	24	23	25	26	24	20	17	17	17	17
Wet Years (27.7%)	18	20	23	21	22	23	23	19	17	16	16	17
Above Normal Years (13.9%)	18	20	24	24	26	26	24	20	17	16	16	17
Below Normal Years (17.8%)	18	20	24	23	24	24	24	20	17	17	16	17
Dry Years (23.8%)	18	21	24	24	26	28	25	20	17	16	16	17
Critical Years (15.8%)	19	21	25	25	28	29	26	21	19	18	18	18

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-7-4 b. North Bay Aqueduct Chloride, Alt2woTUCPDeltaVA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	19	22	26	28	31	33	28	22	18	17	17	18
20% Exceedance	19	21	25	26	29	30	26	21	18	17	17	17
30% Exceedance	19	21	24	25	27	28	25	20	17	17	17	17
40% Exceedance	18	21	24	24	26	27	25	20	17	16	16	17
50% Exceedance	18	20	24	22	23	25	24	20	17	16	16	17
60% Exceedance	18	20	23	21	21	23	23	20	17	16	16	17
70% Exceedance	18	20	23	20	20	22	23	19	17	16	16	17
80% Exceedance	18	20	22	20	20	22	22	19	17	16	16	17
90% Exceedance	18	20	22	19	19	21	22	19	17	16	16	17
Full Simulation Period Average^a	18	20	24	23	25	26	24	20	17	17	17	17
Wet Years (27.7%)	18	20	23	21	22	23	23	19	17	16	16	17
Above Normal Years (13.9%)	18	20	24	24	26	26	24	20	17	16	16	17
Below Normal Years (17.8%)	18	20	24	23	24	24	24	20	17	17	16	17
Dry Years (23.8%)	18	21	24	24	26	28	25	20	17	16	16	17
Critical Years (15.8%)	19	21	25	25	28	31	27	21	18	17	17	18

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-7-4 c. North Bay Aqueduct Chloride, Alt2woTUCPDeltaVA Minus NAA, Monthly Cl (mg/L)

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	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 Years (27.7%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Years (13.9%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Years (17.8%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Years (23.8%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Years (15.8%)	0	0	0	0	0	2	1	0	0	0	0	0

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-7-5 a. North Bay Aqueduct Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	19	21	26	28	31	31	27	21	18	17	18	18
20% Exceedance	19	21	25	26	29	29	26	21	18	17	17	17
30% Exceedance	19	21	24	25	27	28	25	20	17	17	17	17
40% Exceedance	18	21	24	24	26	27	25	20	17	17	16	17
50% Exceedance	18	20	24	22	23	25	24	20	17	16	16	17
60% Exceedance	18	20	23	21	21	23	23	20	17	16	16	17
70% Exceedance	18	20	23	20	20	22	23	20	17	16	16	17
80% Exceedance	18	20	22	20	20	22	22	19	17	16	16	17
90% Exceedance	18	20	22	19	19	21	22	19	17	16	16	17
Full Simulation Period Average^a	18	21	24	23	25	26	24	20	17	17	17	17
Wet Years (27.7%)	18	20	23	21	22	23	23	19	17	16	16	17
Above Normal Years (13.9%)	18	20	24	24	26	26	24	20	17	16	16	17
Below Normal Years (17.8%)	18	20	24	23	24	24	24	20	17	17	16	17
Dry Years (23.8%)	18	21	24	24	26	28	25	20	17	16	16	17
Critical Years (15.8%)	19	21	25	25	28	29	26	21	19	18	18	18

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-7-5 b. North Bay Aqueduct Chloride, Alt2woTUCPAIIVA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	19	21	26	28	31	32	28	22	18	17	17	18
20% Exceedance	19	21	25	26	29	30	26	21	18	17	17	17
30% Exceedance	19	21	24	25	27	28	25	20	17	17	17	17
40% Exceedance	18	21	24	24	26	27	25	20	17	17	16	17
50% Exceedance	18	20	24	22	23	25	24	20	17	16	16	17
60% Exceedance	18	20	23	21	21	23	23	20	17	16	16	17
70% Exceedance	18	20	23	20	20	22	23	19	17	16	16	17
80% Exceedance	18	20	22	20	20	22	22	19	17	16	16	17
90% Exceedance	18	20	22	19	19	21	22	19	17	16	16	17
Full Simulation Period Average^a	18	20	24	23	25	26	24	20	17	17	17	17
Wet Years (27.7%)	18	20	23	21	22	23	23	19	17	16	16	17
Above Normal Years (13.9%)	18	20	24	24	26	26	24	20	17	16	16	17
Below Normal Years (17.8%)	18	20	24	23	24	24	24	20	17	17	16	17
Dry Years (23.8%)	18	21	24	24	26	28	25	20	17	17	16	17
Critical Years (15.8%)	19	21	25	25	28	31	27	21	18	17	17	18

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-7-5 c. North Bay Aqueduct Chloride, Alt2woTUCPALIVA Minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	1	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	1	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 Years (27.7%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Years (13.9%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Years (17.8%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Years (23.8%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Years (15.8%)	0	0	0	0	0	1	1	0	0	0	0	0

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-7-6 a. North Bay Aqueduct Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	19	21	26	28	31	31	27	21	18	17	18	18
20% Exceedance	19	21	25	26	29	29	26	21	18	17	17	17
30% Exceedance	19	21	24	25	27	28	25	20	17	17	17	17
40% Exceedance	18	21	24	24	26	27	25	20	17	17	16	17
50% Exceedance	18	20	24	22	23	25	24	20	17	16	16	17
60% Exceedance	18	20	23	21	21	23	23	20	17	16	16	17
70% Exceedance	18	20	23	20	20	22	23	20	17	16	16	17
80% Exceedance	18	20	22	20	20	22	22	19	17	16	16	17
90% Exceedance	18	20	22	19	19	21	22	19	17	16	16	17
Full Simulation Period Average^a	18	21	24	23	25	26	24	20	17	17	17	17
Wet Years (27.7%)	18	20	23	21	22	23	23	19	17	16	16	17
Above Normal Years (13.9%)	18	20	24	24	26	26	24	20	17	16	16	17
Below Normal Years (17.8%)	18	20	24	23	24	24	24	20	17	17	16	17
Dry Years (23.8%)	18	21	24	24	26	28	25	20	17	16	16	17
Critical Years (15.8%)	19	21	25	25	28	29	26	21	19	18	18	18

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-7-6 b. North Bay Aqueduct Chloride, ALT3, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	19	21	26	29	34	35	29	22	18	17	17	18
20% Exceedance	19	21	25	27	29	32	28	21	18	17	17	17
30% Exceedance	19	21	25	26	28	30	27	21	17	17	17	17
40% Exceedance	18	21	24	25	27	28	26	21	17	17	17	17
50% Exceedance	18	21	24	23	24	26	25	20	17	17	17	17
60% Exceedance	18	20	24	21	21	24	24	20	17	17	17	17
70% Exceedance	18	20	23	20	20	23	24	20	17	17	17	17
80% Exceedance	18	20	23	20	20	22	23	20	17	17	16	17
90% Exceedance	18	20	22	20	20	22	22	20	17	16	16	17
Full Simulation Period Average^a	18	21	24	24	26	27	25	21	17	17	17	17
Wet Years (27.7%)	18	20	23	22	22	24	24	20	17	17	17	17
Above Normal Years (13.9%)	18	20	24	24	28	28	25	20	17	17	17	17
Below Normal Years (17.8%)	19	21	24	23	25	25	24	20	17	17	17	17
Dry Years (23.8%)	19	21	24	24	26	29	26	20	17	17	17	17
Critical Years (15.8%)	19	21	25	26	29	32	27	22	18	17	17	18

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-7-6 c. North Bay Aqueduct Chloride, ALT3 Minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	3	4	1	0	0	0	0	0
20% Exceedance	0	0	0	1	0	3	2	0	0	0	0	0
30% Exceedance	0	0	1	1	1	2	1	0	0	0	0	0
40% Exceedance	0	0	0	1	1	1	1	0	0	0	0	0
50% Exceedance	0	0	0	0	0	1	1	1	0	0	0	0
60% Exceedance	0	0	0	0	0	0	1	1	0	0	0	0
70% Exceedance	0	0	0	0	0	0	1	1	0	0	0	0
80% Exceedance	0	0	0	0	0	0	1	1	0	0	0	0
90% Exceedance	0	0	0	0	0	0	1	1	0	0	0	0
Full Simulation Period Average^a	0	0	0	1	1	2	1	1	0	0	0	0
Wet Years (27.7%)	0	0	0	1	1	1	1	1	0	0	0	0
Above Normal Years (13.9%)	0	0	0	1	1	2	2	1	0	0	0	0
Below Normal Years (17.8%)	0	0	0	0	1	1	1	0	0	0	0	0
Dry Years (23.8%)	0	0	1	1	1	2	1	0	0	0	0	0
Critical Years (15.8%)	0	0	0	1	1	3	2	0	0	0	0	0

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-7-7 a. North Bay Aqueduct Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	19	21	26	28	31	31	27	21	18	17	18	18
20% Exceedance	19	21	25	26	29	29	26	21	18	17	17	17
30% Exceedance	19	21	24	25	27	28	25	20	17	17	17	17
40% Exceedance	18	21	24	24	26	27	25	20	17	17	16	17
50% Exceedance	18	20	24	22	23	25	24	20	17	16	16	17
60% Exceedance	18	20	23	21	21	23	23	20	17	16	16	17
70% Exceedance	18	20	23	20	20	22	23	20	17	16	16	17
80% Exceedance	18	20	22	20	20	22	22	19	17	16	16	17
90% Exceedance	18	20	22	19	19	21	22	19	17	16	16	17
Full Simulation Period Average^a	18	21	24	23	25	26	24	20	17	17	17	17
Wet Years (27.7%)	18	20	23	21	22	23	23	19	17	16	16	17
Above Normal Years (13.9%)	18	20	24	24	26	26	24	20	17	16	16	17
Below Normal Years (17.8%)	18	20	24	23	24	24	24	20	17	17	16	17
Dry Years (23.8%)	18	21	24	24	26	28	25	20	17	16	16	17
Critical Years (15.8%)	19	21	25	25	28	29	26	21	19	18	18	18

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-7-7 b. North Bay Aqueduct Chloride, ALT4, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	19	21	26	28	31	31	27	21	18	18	18	18
20% Exceedance	19	21	25	27	29	29	26	21	18	17	17	17
30% Exceedance	19	21	24	25	27	28	25	20	17	17	17	17
40% Exceedance	18	21	24	24	26	26	25	20	17	16	16	17
50% Exceedance	18	20	24	22	23	25	24	20	17	16	16	17
60% Exceedance	18	20	23	21	21	23	23	20	17	16	16	17
70% Exceedance	18	20	23	20	20	22	23	20	17	16	16	17
80% Exceedance	18	20	22	20	20	22	22	19	17	16	16	17
90% Exceedance	18	20	22	19	19	21	22	19	17	16	16	17
Full Simulation Period Average^a	18	21	24	23	25	26	24	20	17	17	17	17
Wet Years (27.7%)	18	20	23	21	22	23	23	19	17	16	16	17
Above Normal Years (13.9%)	18	20	24	24	26	26	24	20	17	16	16	17
Below Normal Years (17.8%)	18	20	24	23	24	24	24	20	17	16	16	17
Dry Years (23.8%)	18	21	24	24	26	28	25	20	17	16	16	17
Critical Years (15.8%)	19	21	25	26	28	30	26	21	19	18	18	18

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-7-7 c. North Bay Aqueduct Chloride, ALT4 Minus NAA, Monthly Cl (mg/L)

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 Years (27.7%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Years (13.9%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Years (17.8%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Years (23.8%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Years (15.8%)	0	0	0	0	0	0	0	0	0	0	0	0

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-7-8 a. North Bay Aqueduct Chloride, NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	19	21	26	28	31	31	27	21	18	17	18	18
20% Exceedance	19	21	25	26	29	29	26	21	18	17	17	17
30% Exceedance	19	21	24	25	27	28	25	20	17	17	17	17
40% Exceedance	18	21	24	24	26	27	25	20	17	17	16	17
50% Exceedance	18	20	24	22	23	25	24	20	17	16	16	17
60% Exceedance	18	20	23	21	21	23	23	20	17	16	16	17
70% Exceedance	18	20	23	20	20	22	23	20	17	16	16	17
80% Exceedance	18	20	22	20	20	22	22	19	17	16	16	17
90% Exceedance	18	20	22	19	19	21	22	19	17	16	16	17
Full Simulation Period Average^a	18	21	24	23	25	26	24	20	17	17	17	17
Wet Years (27.7%)	18	20	23	21	22	23	23	19	17	16	16	17
Above Normal Years (13.9%)	18	20	24	24	26	26	24	20	17	16	16	17
Below Normal Years (17.8%)	18	20	24	23	24	24	24	20	17	17	16	17
Dry Years (23.8%)	18	21	24	24	26	28	25	20	17	16	16	17
Critical Years (15.8%)	19	21	25	25	28	29	26	21	19	18	18	18

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-7-8 b. North Bay Aqueduct Chloride, Action 5, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	19	21	26	28	31	30	27	21	18	18	17	18
20% Exceedance	19	21	25	26	29	29	26	21	18	17	17	17
30% Exceedance	19	21	24	25	27	28	25	20	17	17	16	17
40% Exceedance	18	21	24	24	26	27	25	20	17	16	16	17
50% Exceedance	18	20	24	22	23	25	24	20	17	16	16	17
60% Exceedance	18	20	23	21	21	23	23	20	17	16	16	17
70% Exceedance	18	20	23	20	20	22	23	19	17	16	16	17
80% Exceedance	18	20	22	20	20	22	22	19	17	16	16	17
90% Exceedance	18	20	22	19	19	21	22	19	17	16	16	17
Full Simulation Period Average^a	18	21	24	23	25	26	24	20	17	17	17	17
Wet Years (27.7%)	18	20	23	21	22	23	23	19	17	16	16	17
Above Normal Years (13.9%)	18	20	24	24	26	26	24	20	17	16	16	17
Below Normal Years (17.8%)	18	20	24	23	24	24	24	20	17	17	16	17
Dry Years (23.8%)	18	21	24	24	26	28	25	20	17	16	16	17
Critical Years (15.8%)	19	21	25	26	28	30	26	21	18	18	18	18

^a Based on the 100-year simulation period.

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

* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.

Table F.2.7-7-8 c. North Bay Aqueduct Chloride, Action 5 Minus NAA, Monthly Cl (mg/L)

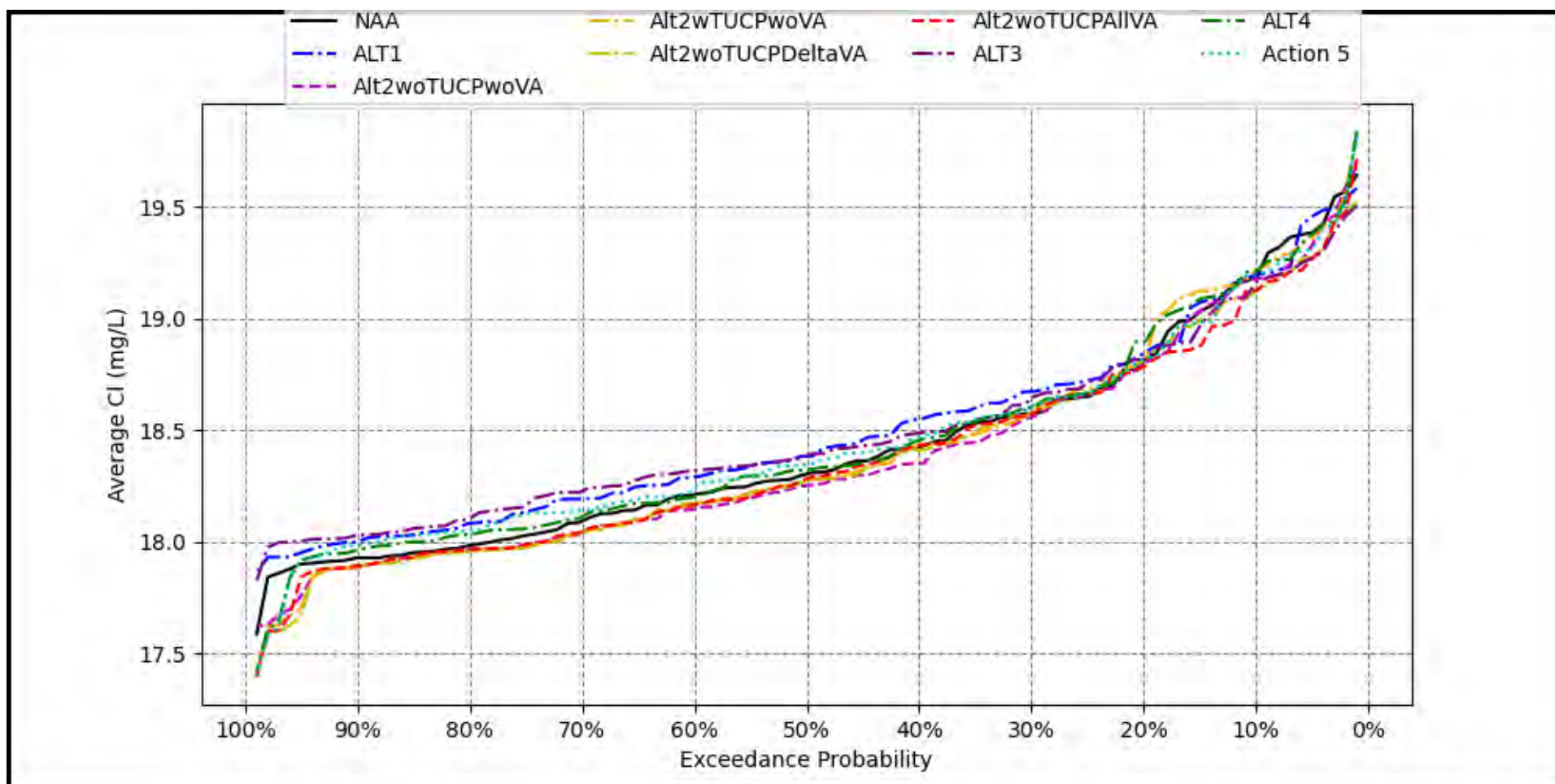
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	-1	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	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 Years (27.7%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Years (13.9%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Years (17.8%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Years (23.8%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Years (15.8%)	0	0	0	0	0	0	0	0	0	0	0	0

^a Based on the 100-year simulation period.

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

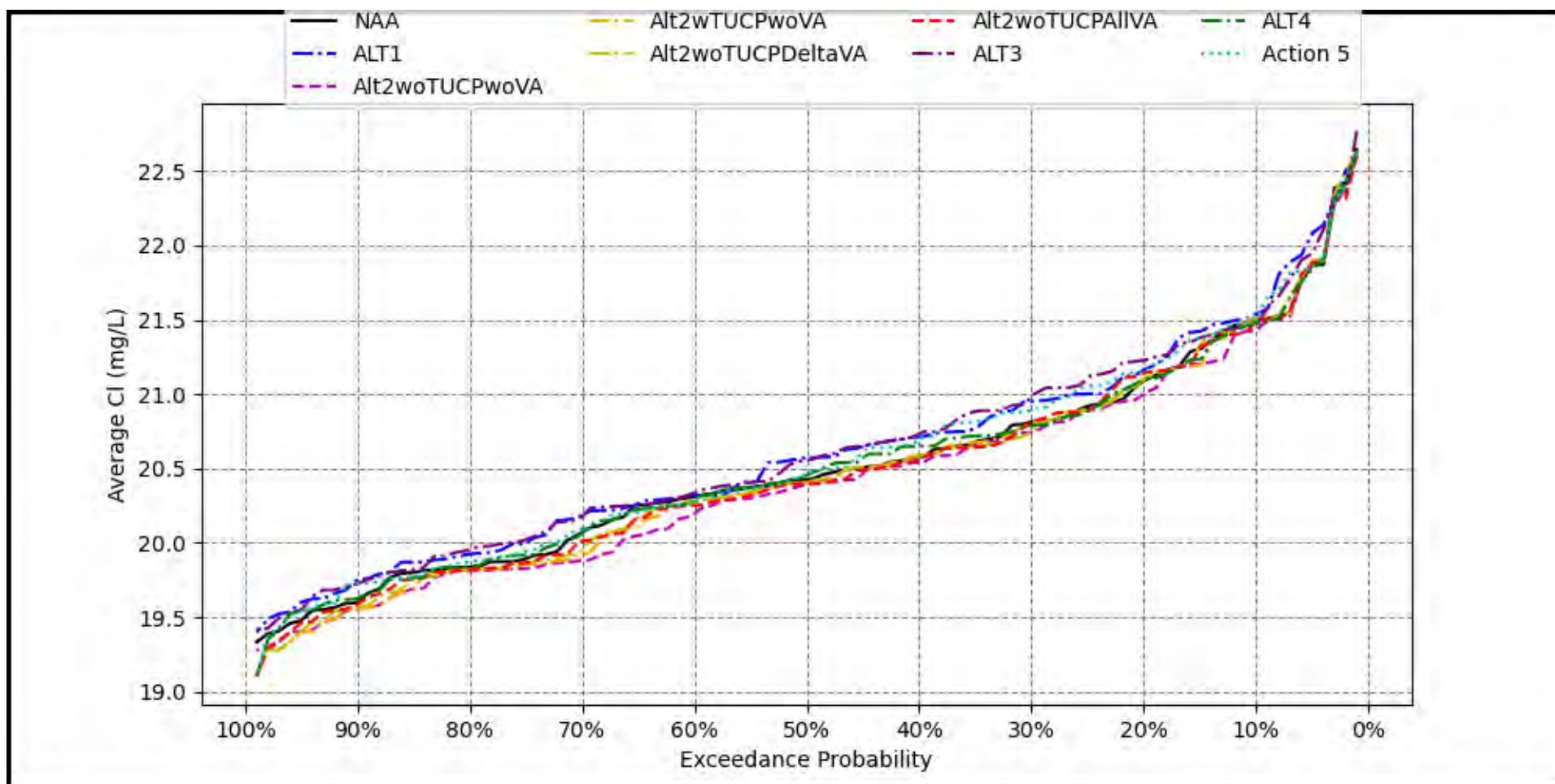
* Water Year Types defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

* Water Year Types results are displayed with calendar year – year type sorting.



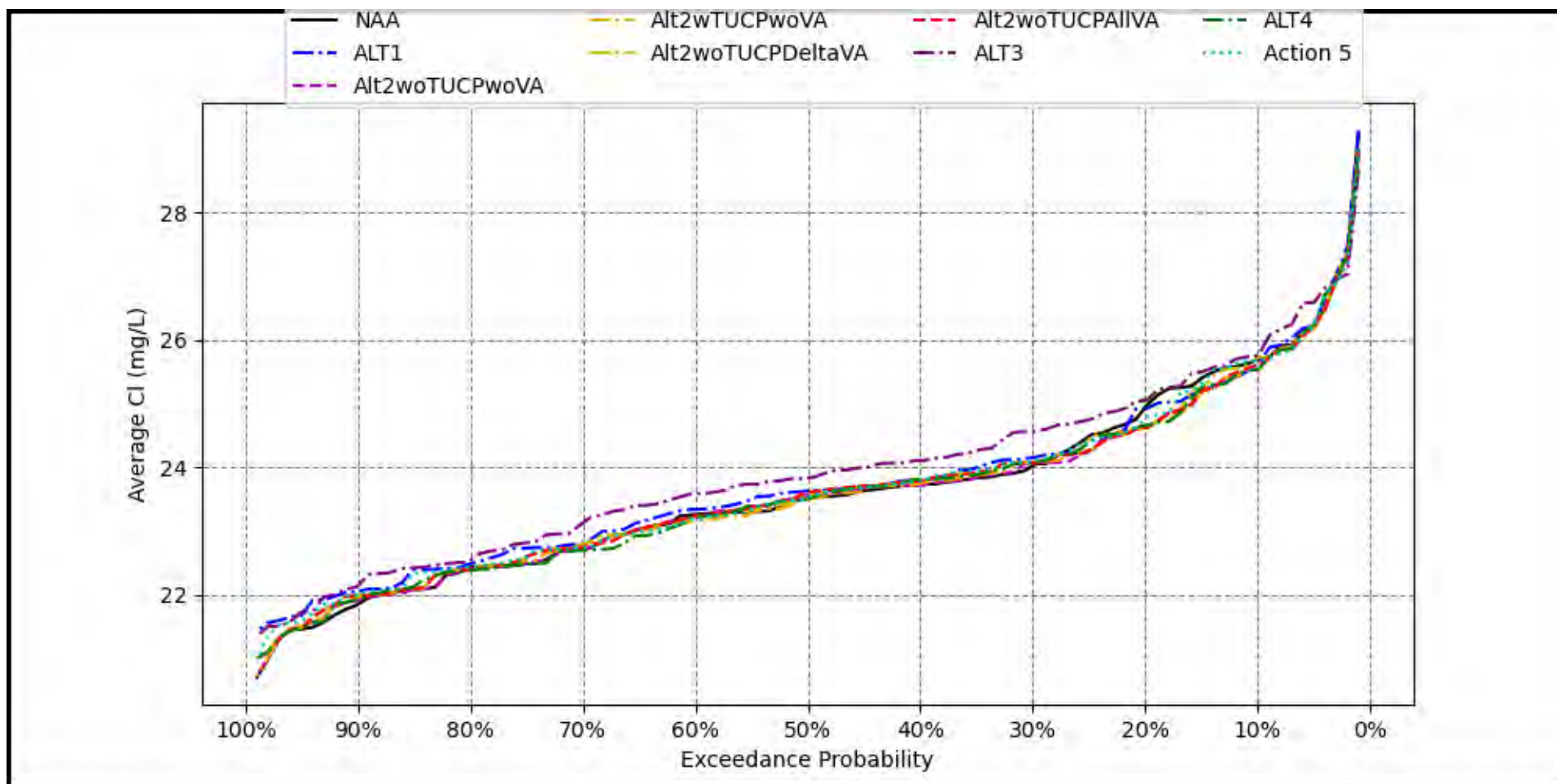
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-7-1 North Bay Aqueduct Chloride, October Cl



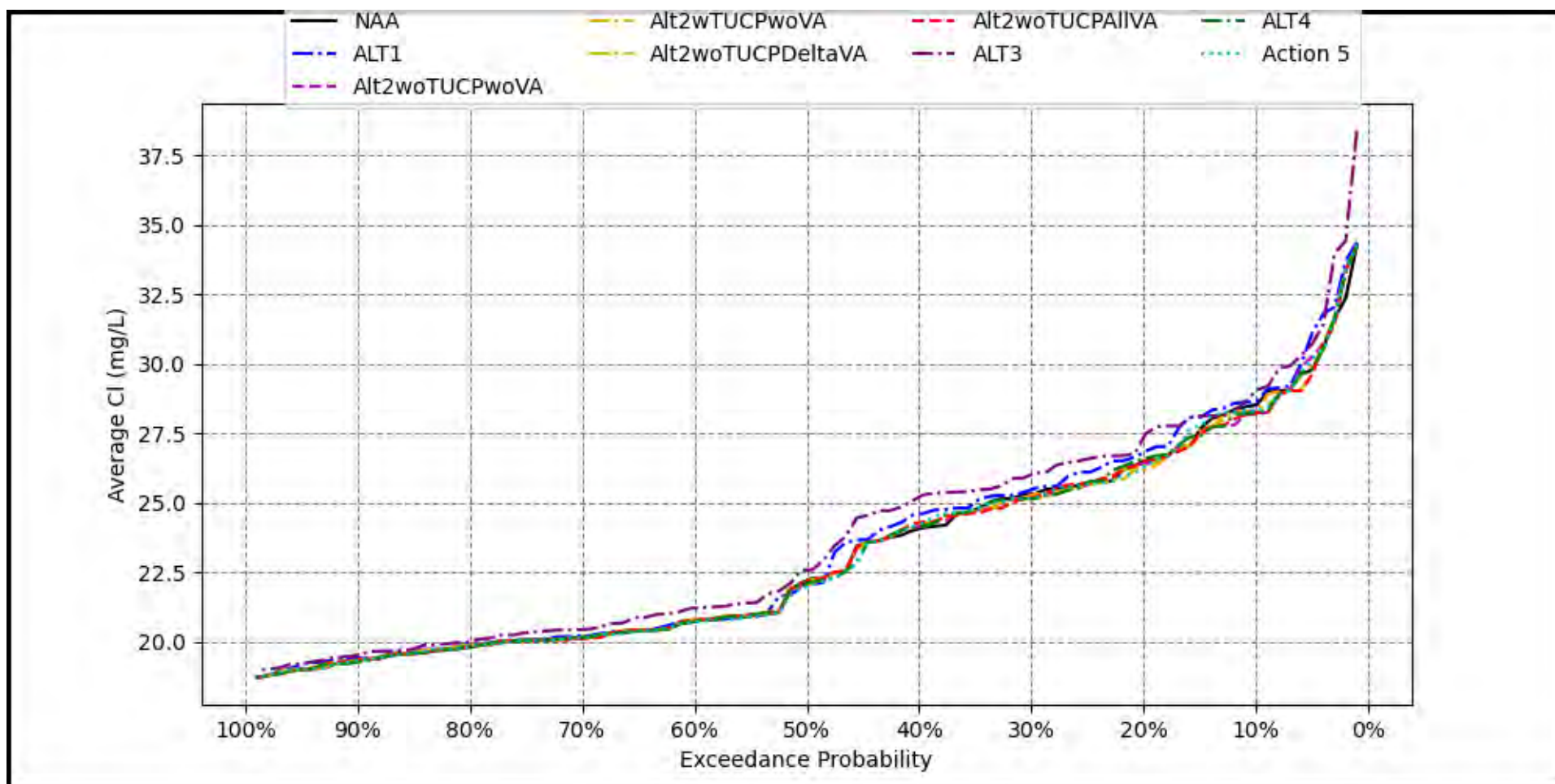
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-7-2 North Bay Aqueduct Chloride, November Cl



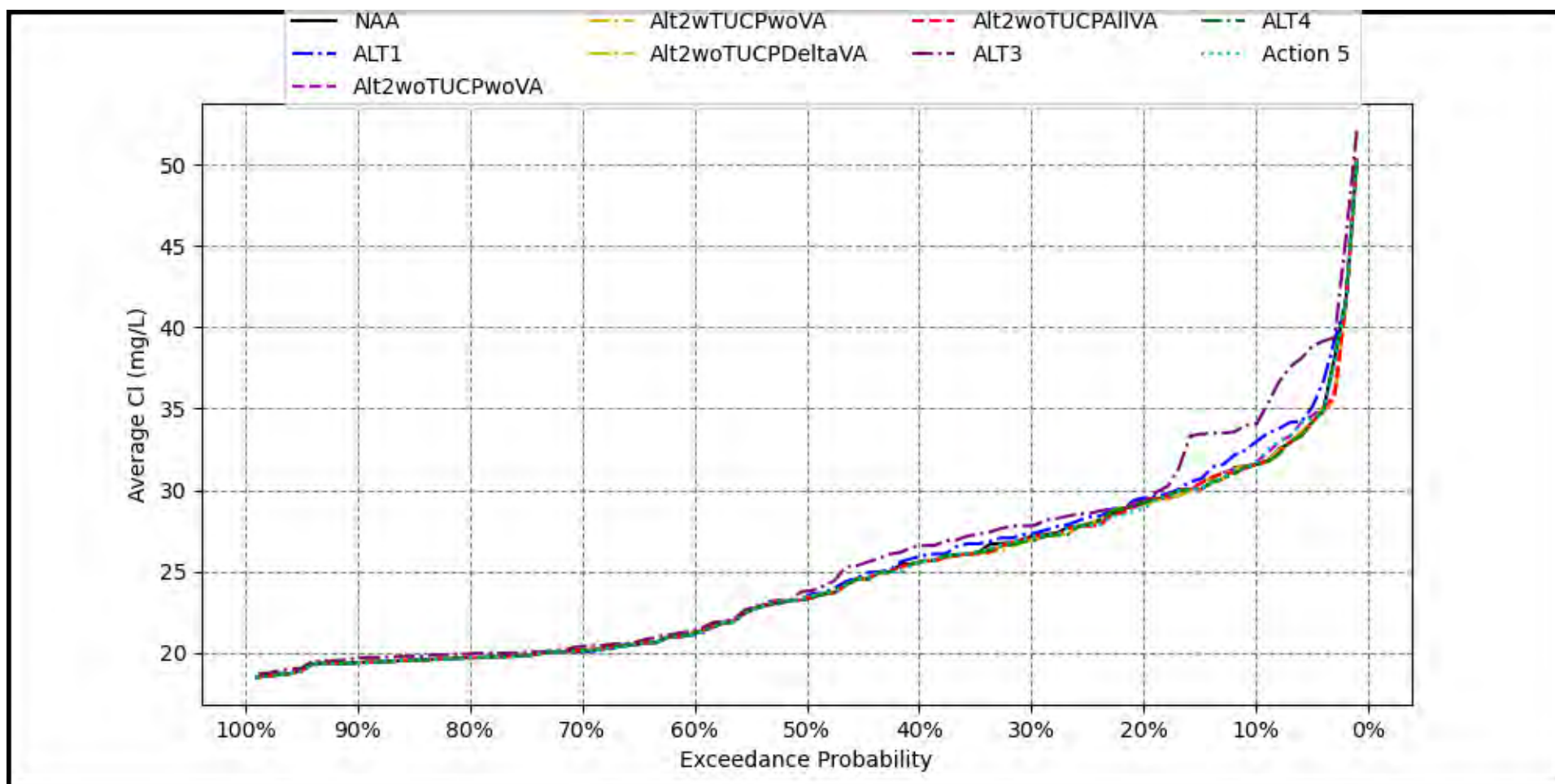
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-7-3 North Bay Aqueduct Chloride, December Cl



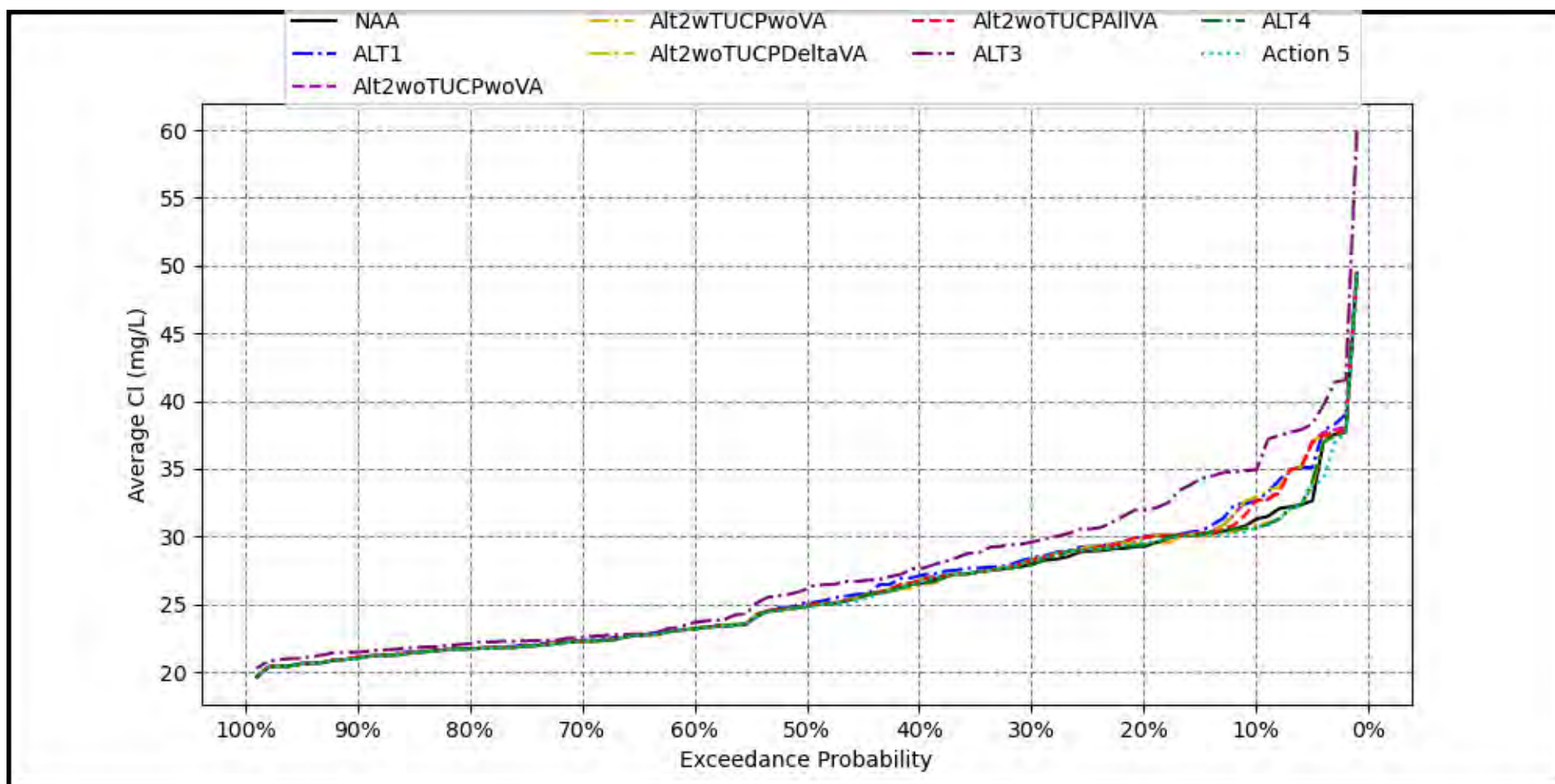
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-7-4 North Bay Aqueduct Chloride, January Cl



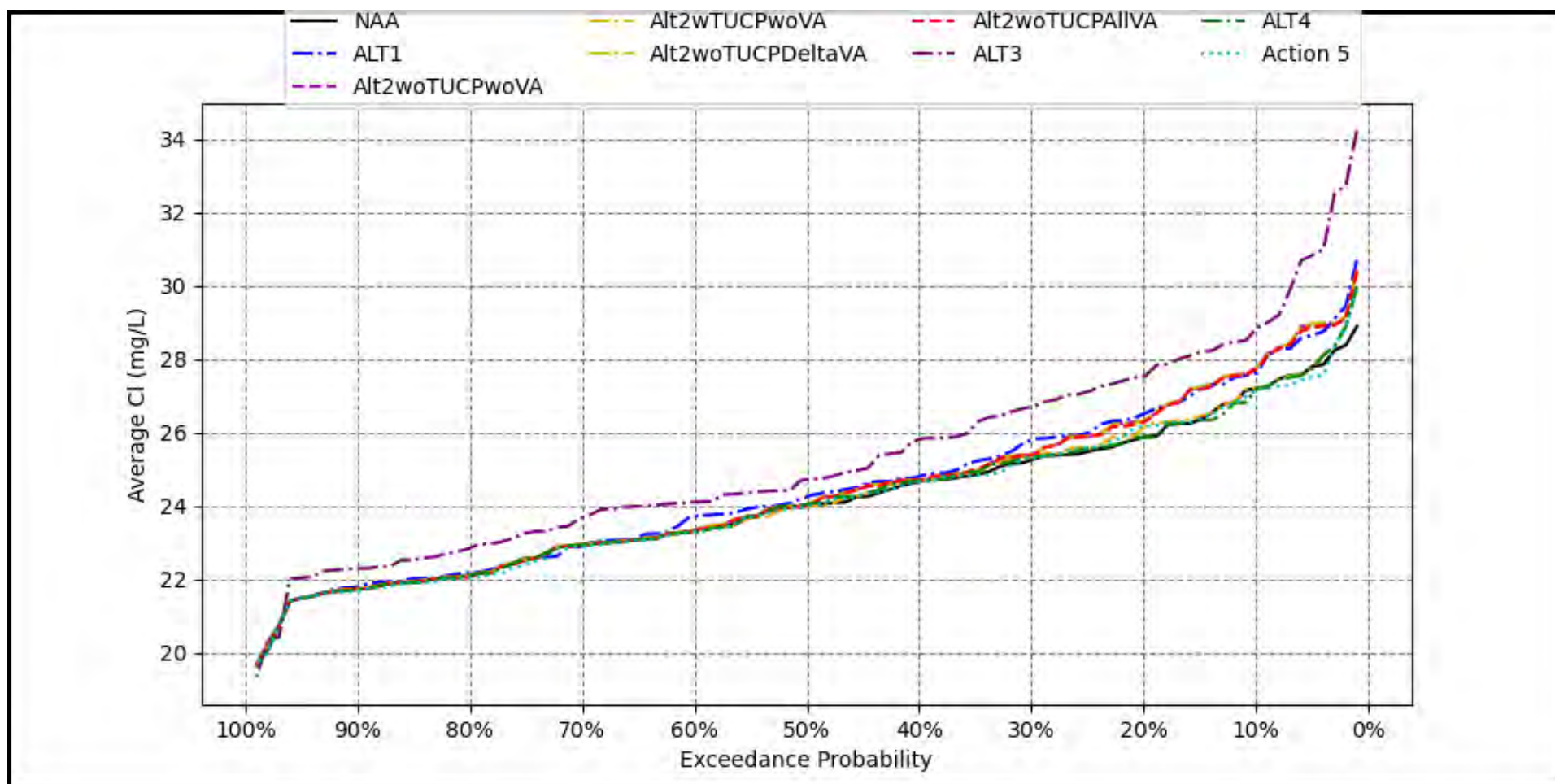
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-7-5 North Bay Aqueduct Chloride, February Cl



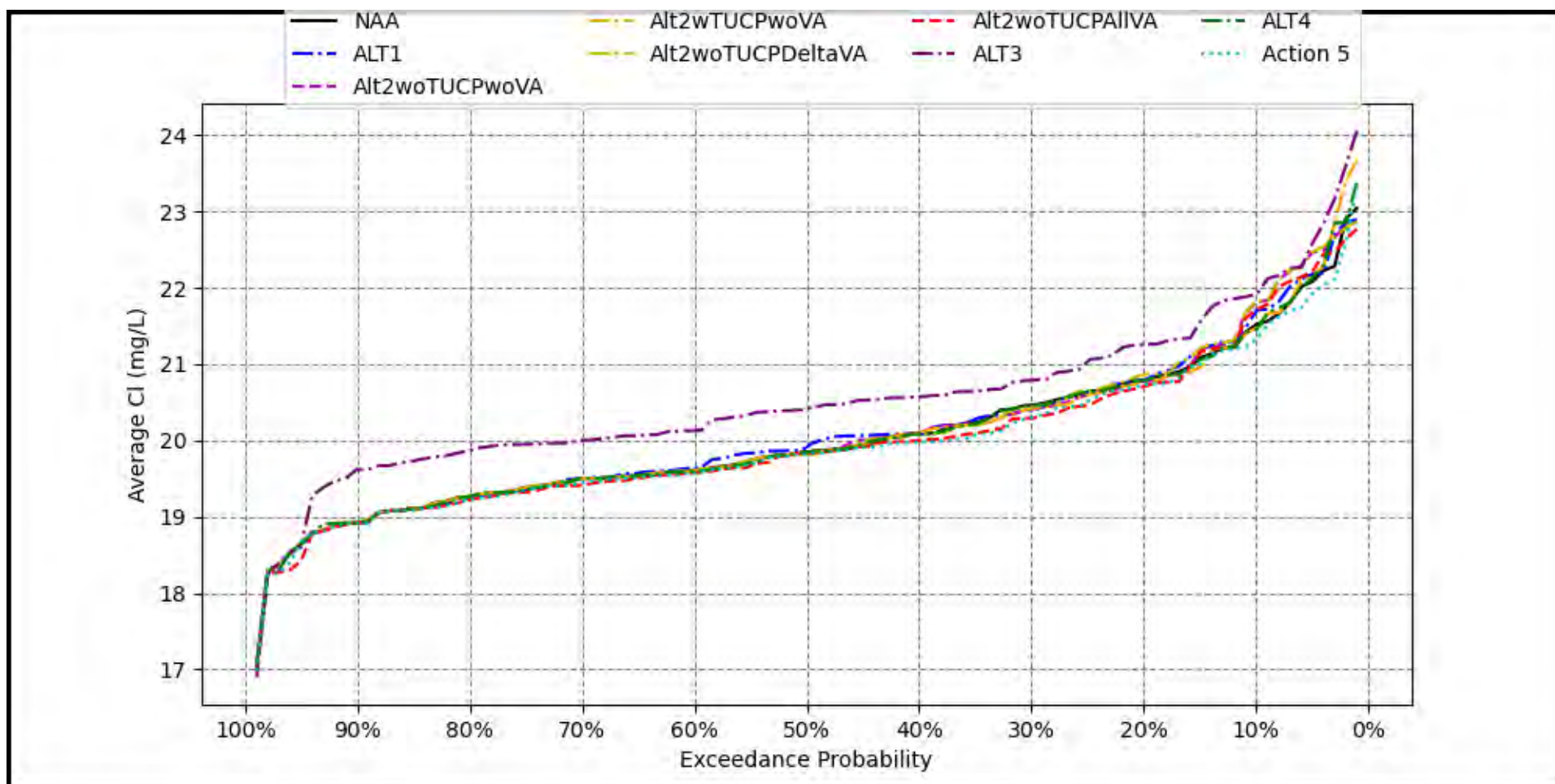
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-7-6 North Bay Aqueduct Chloride, March Cl



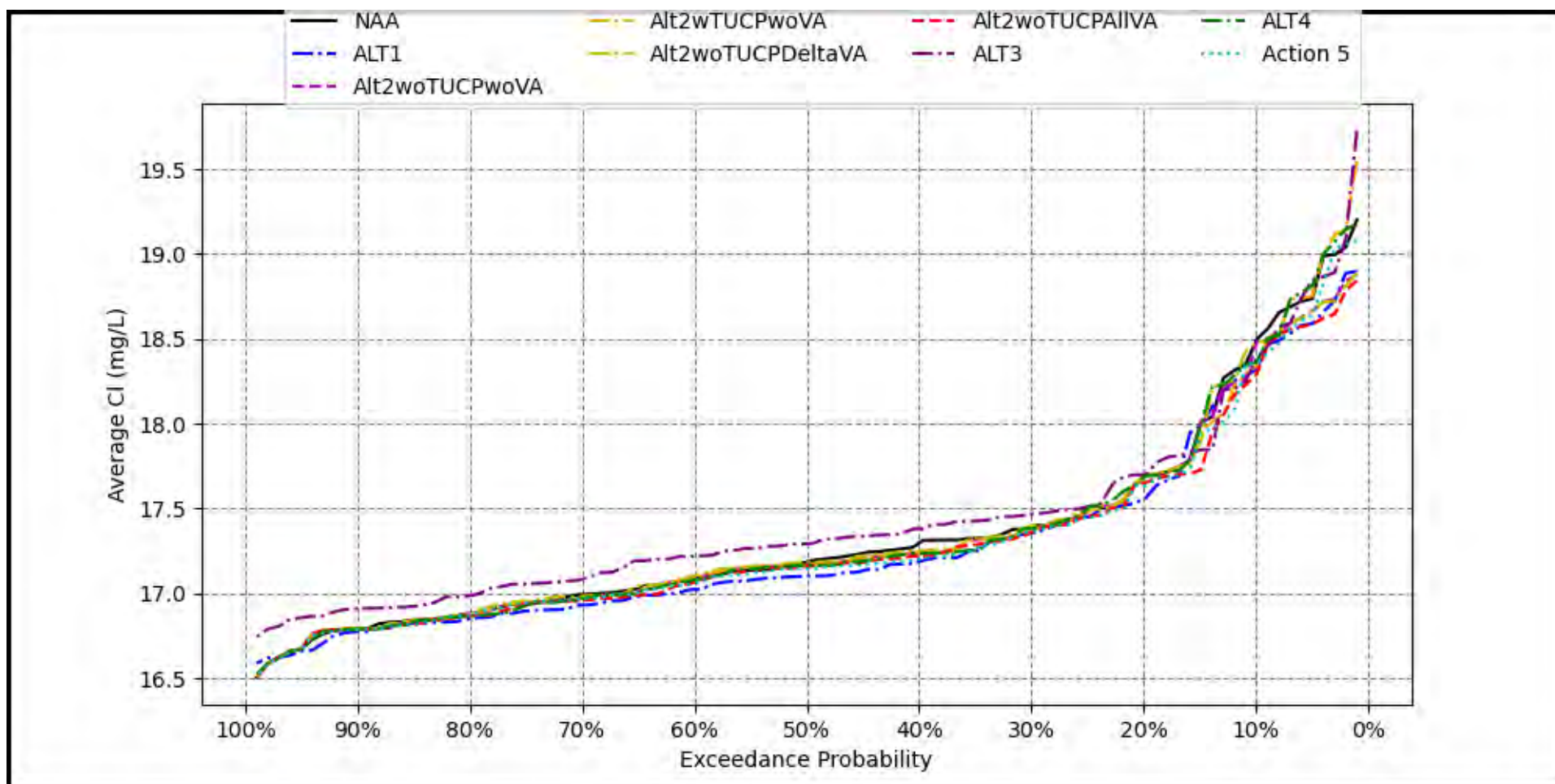
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-7-7 North Bay Aqueduct Chloride, April Cl



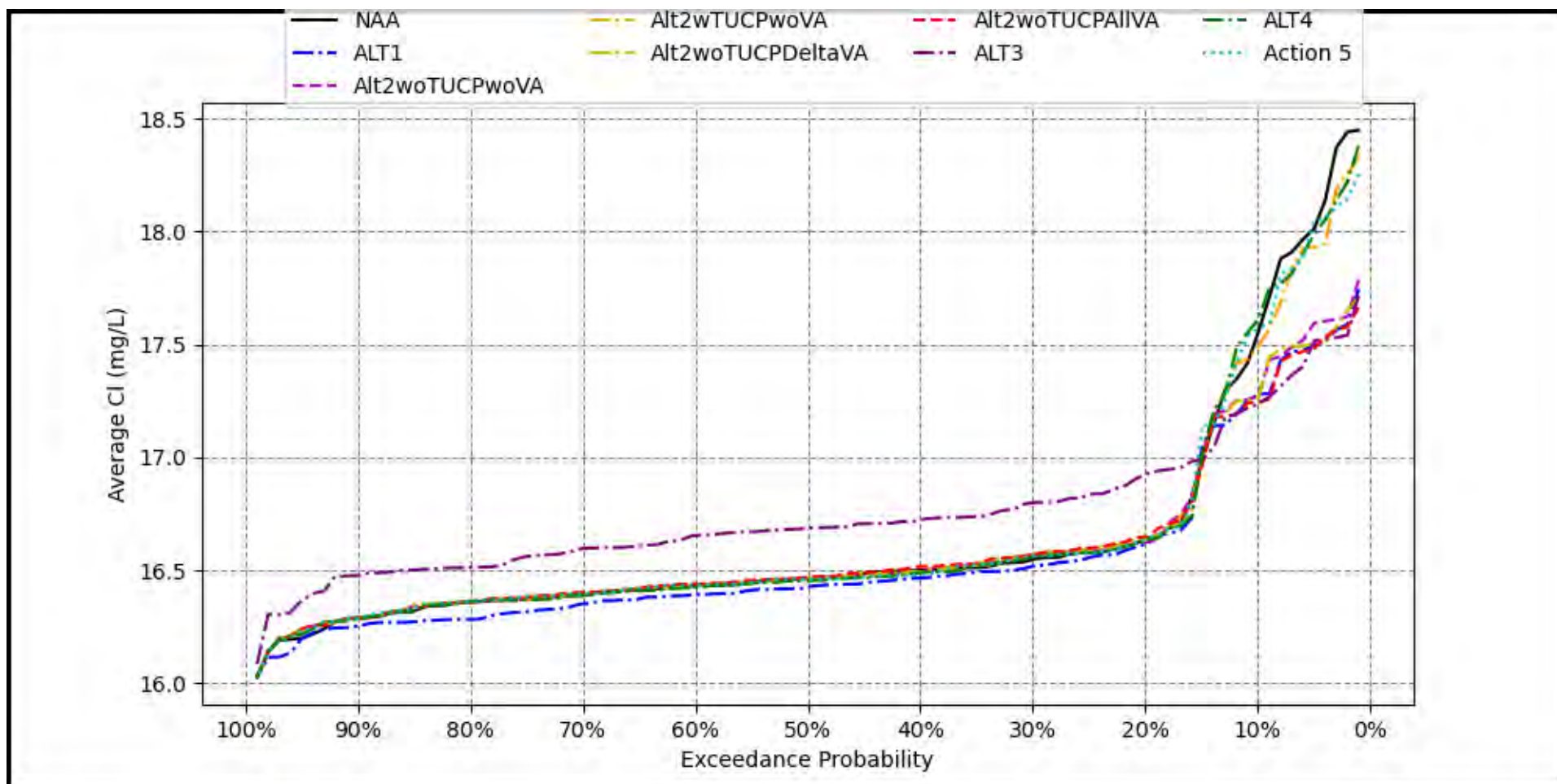
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-7-8 North Bay Aqueduct Chloride, May Cl



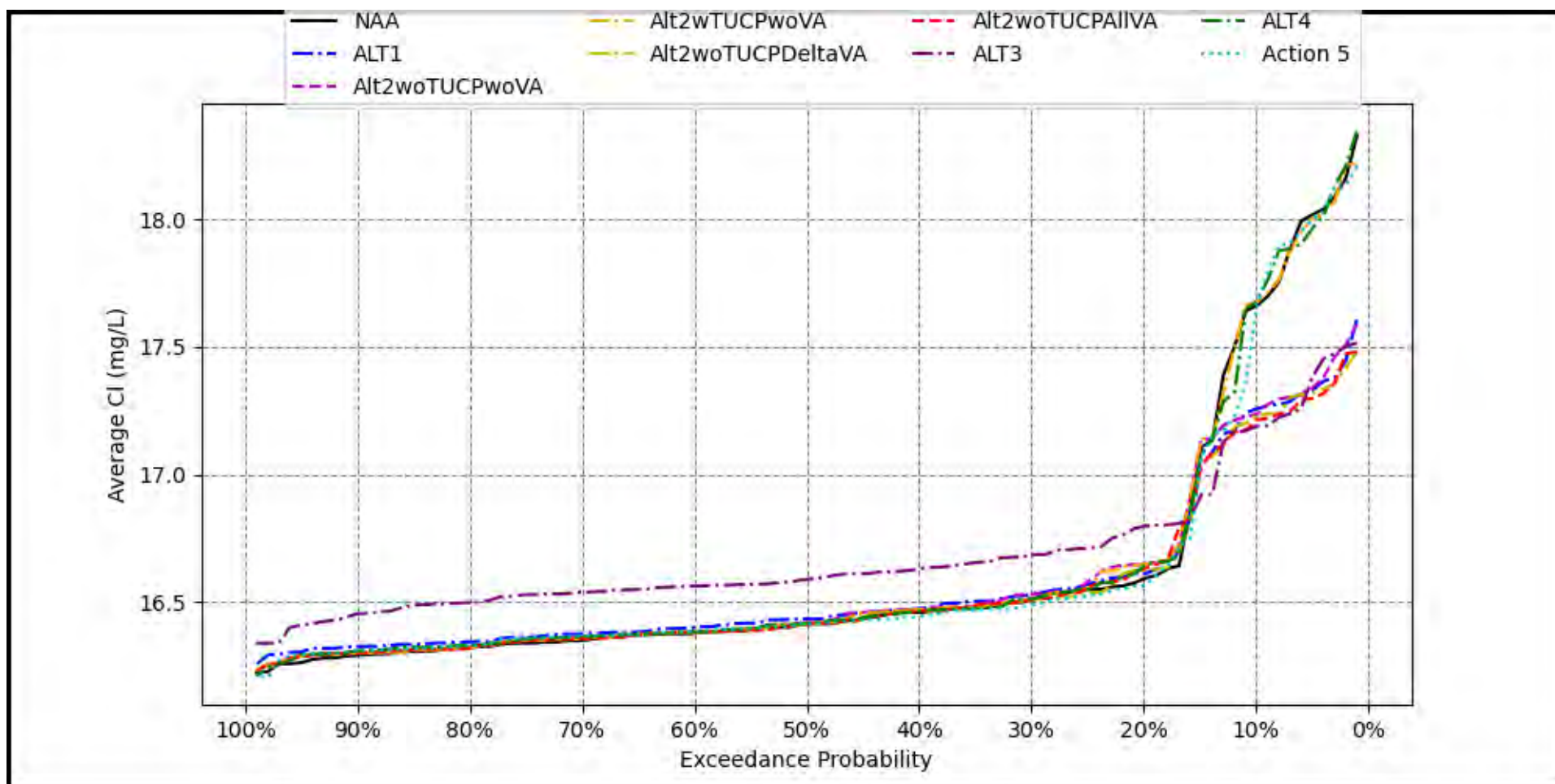
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-7-9 North Bay Aqueduct Chloride, June Cl



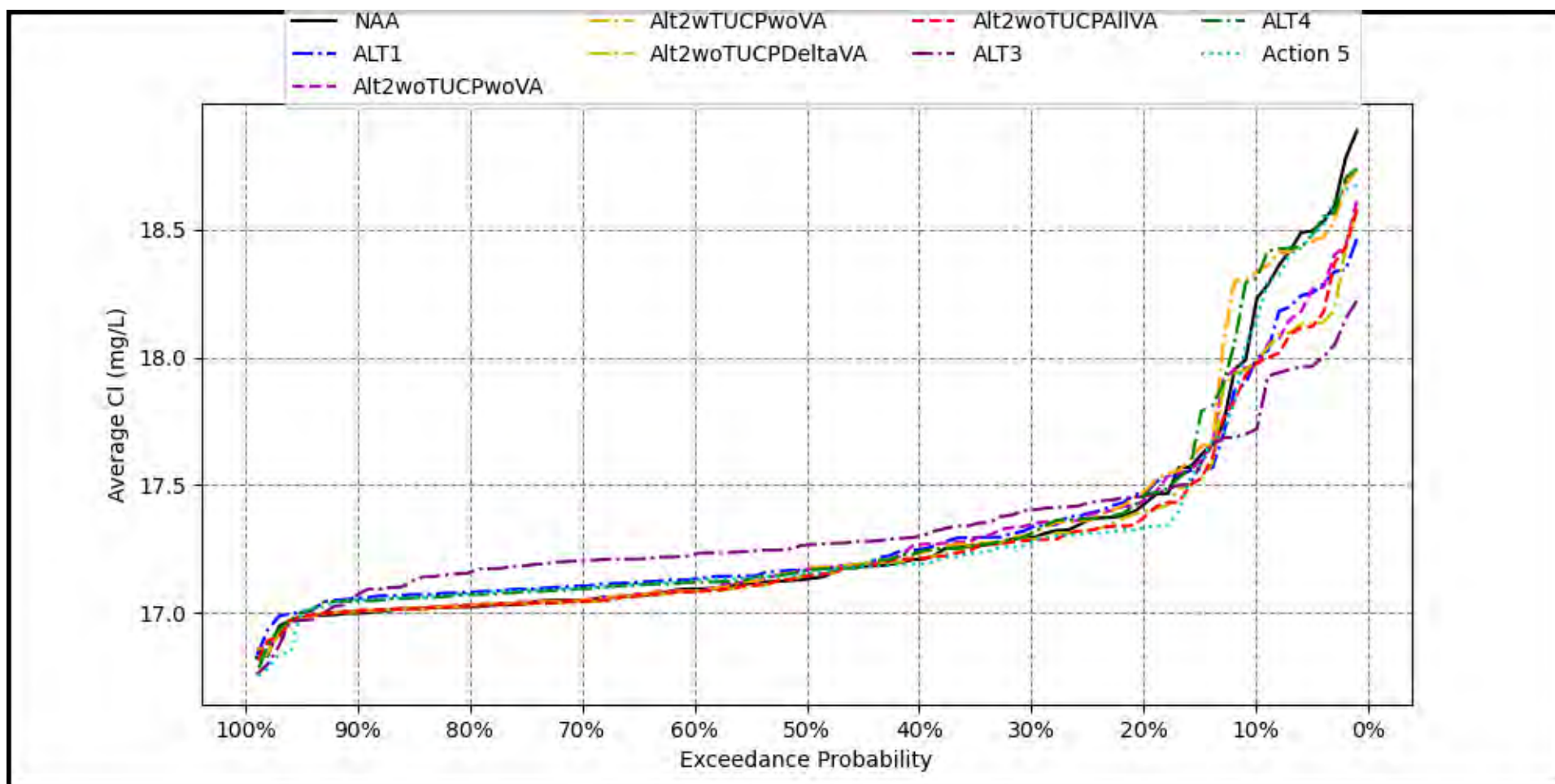
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-7-10 North Bay Aqueduct Chloride, July Cl



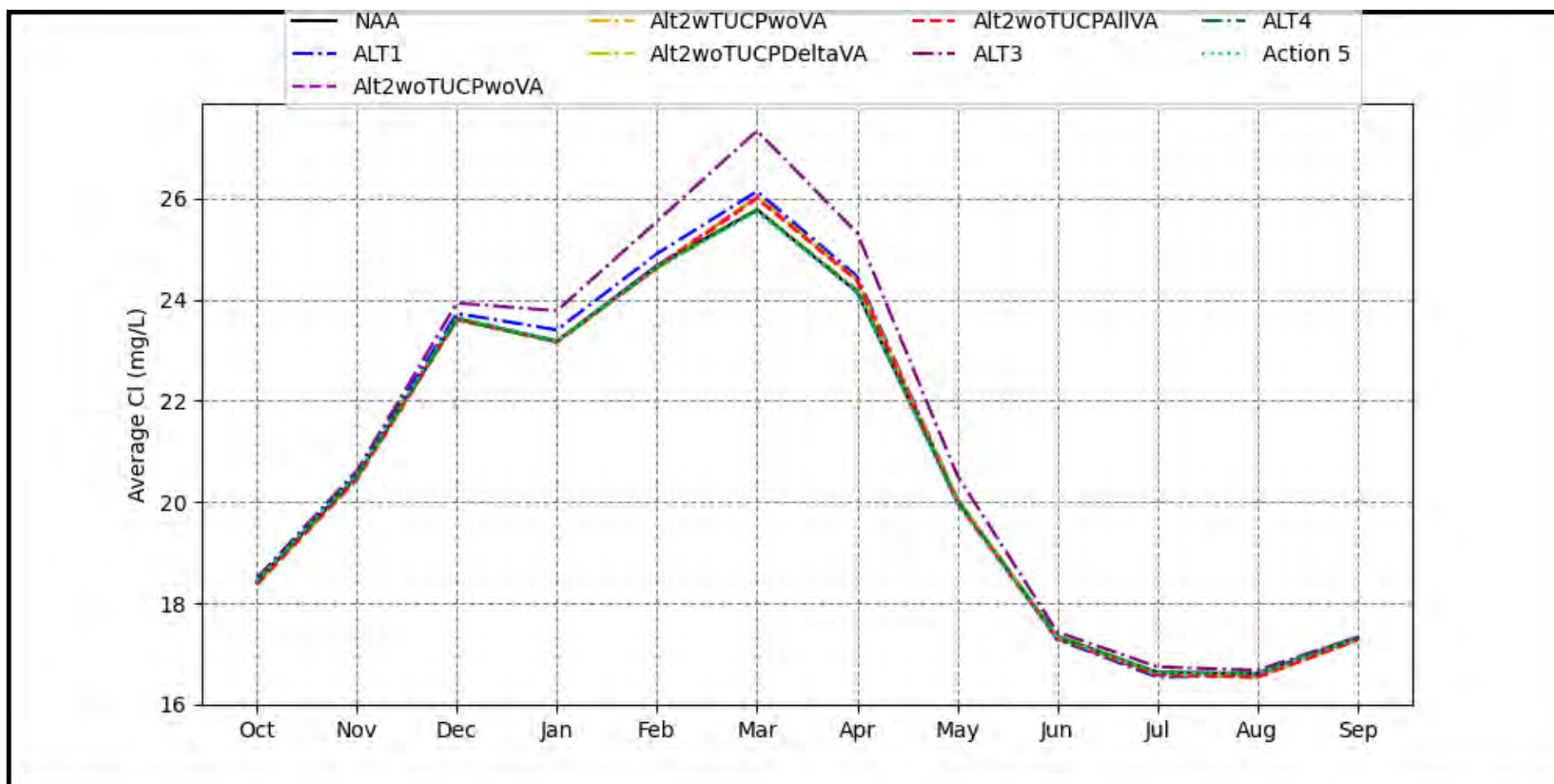
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-7-11 North Bay Aqueduct Chloride, August Cl



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

Figure F.2.7-7-12 North Bay Aqueduct Chloride, September Cl

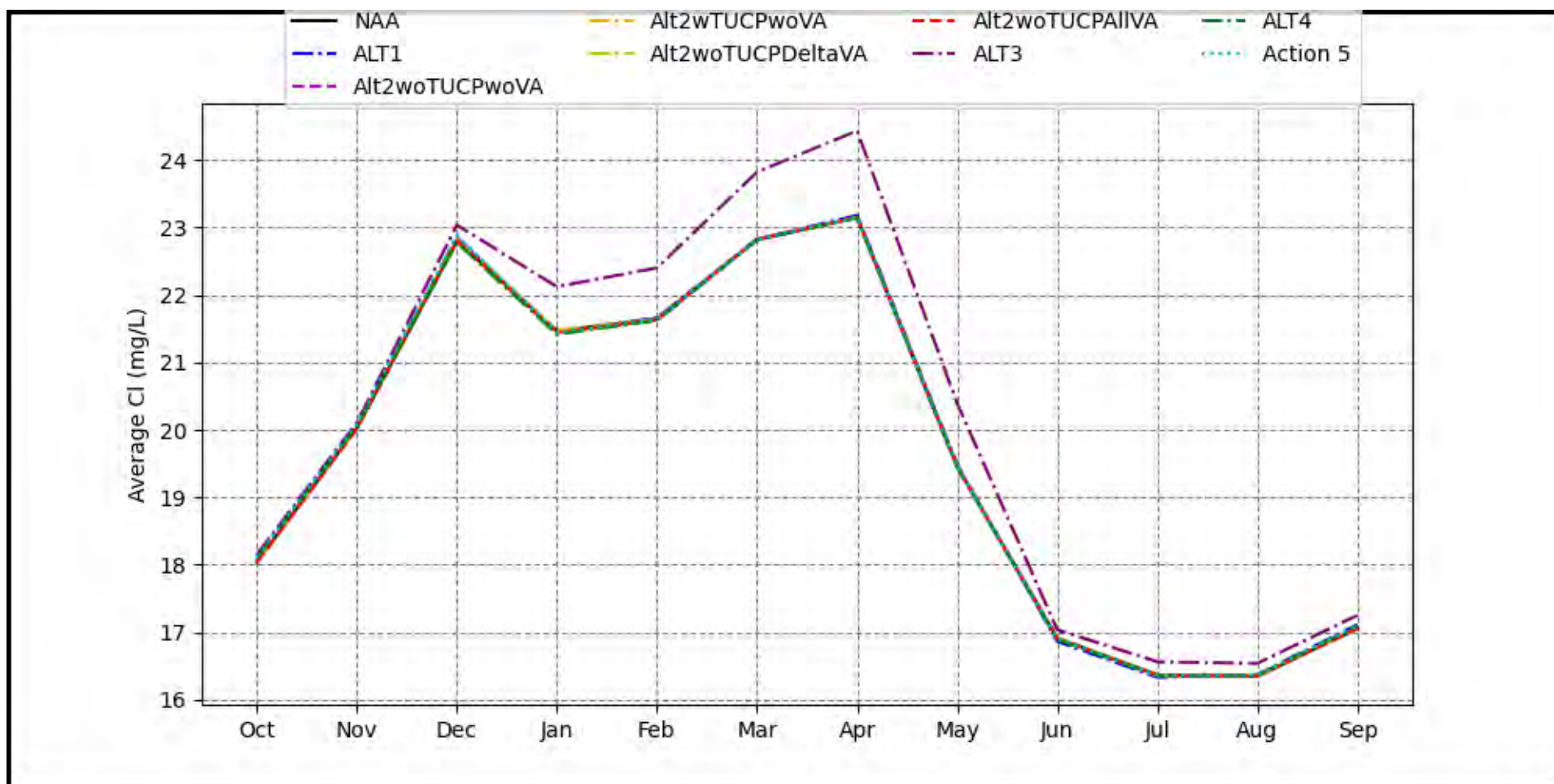


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.7-7-13 North Bay Aqueduct Chloride, Long Term Average Cl (mg/L)

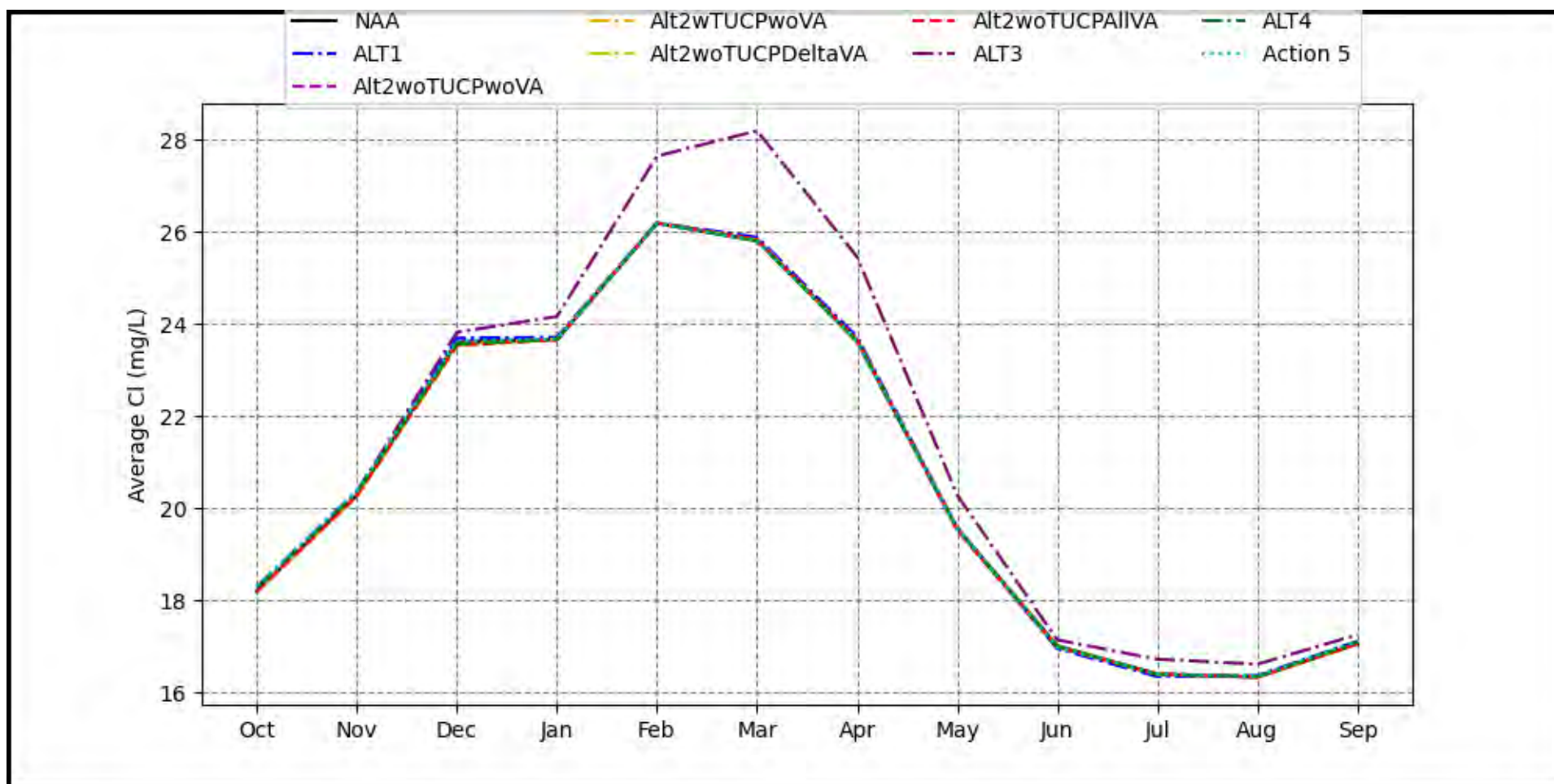


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.7-7-14 North Bay Aqueduct Chloride, Wet Year Average Cl (mg/L)

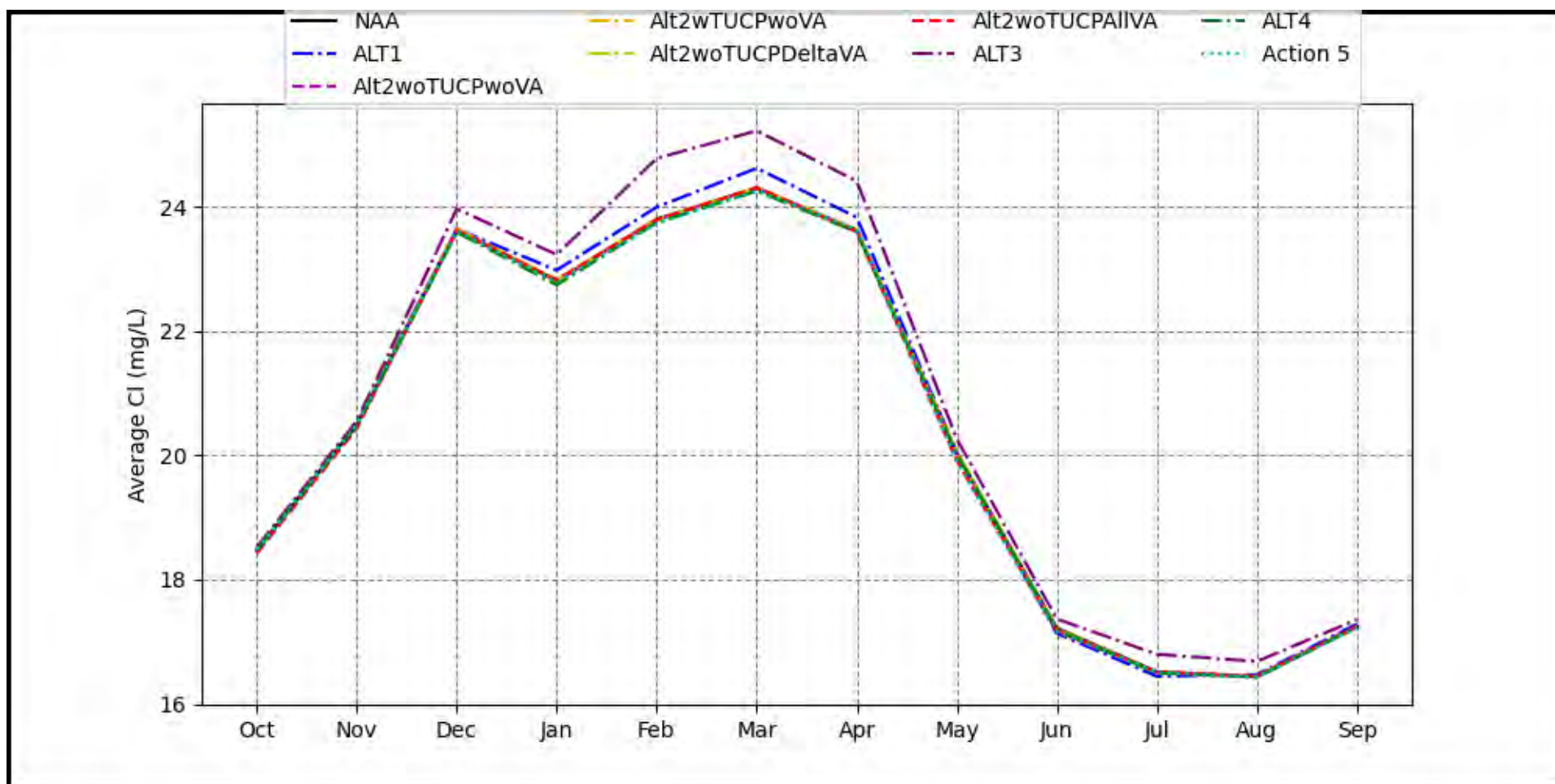


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.7-7-15 North Bay Aqueduct Chloride, Above Normal Year Average Cl (mg/L)

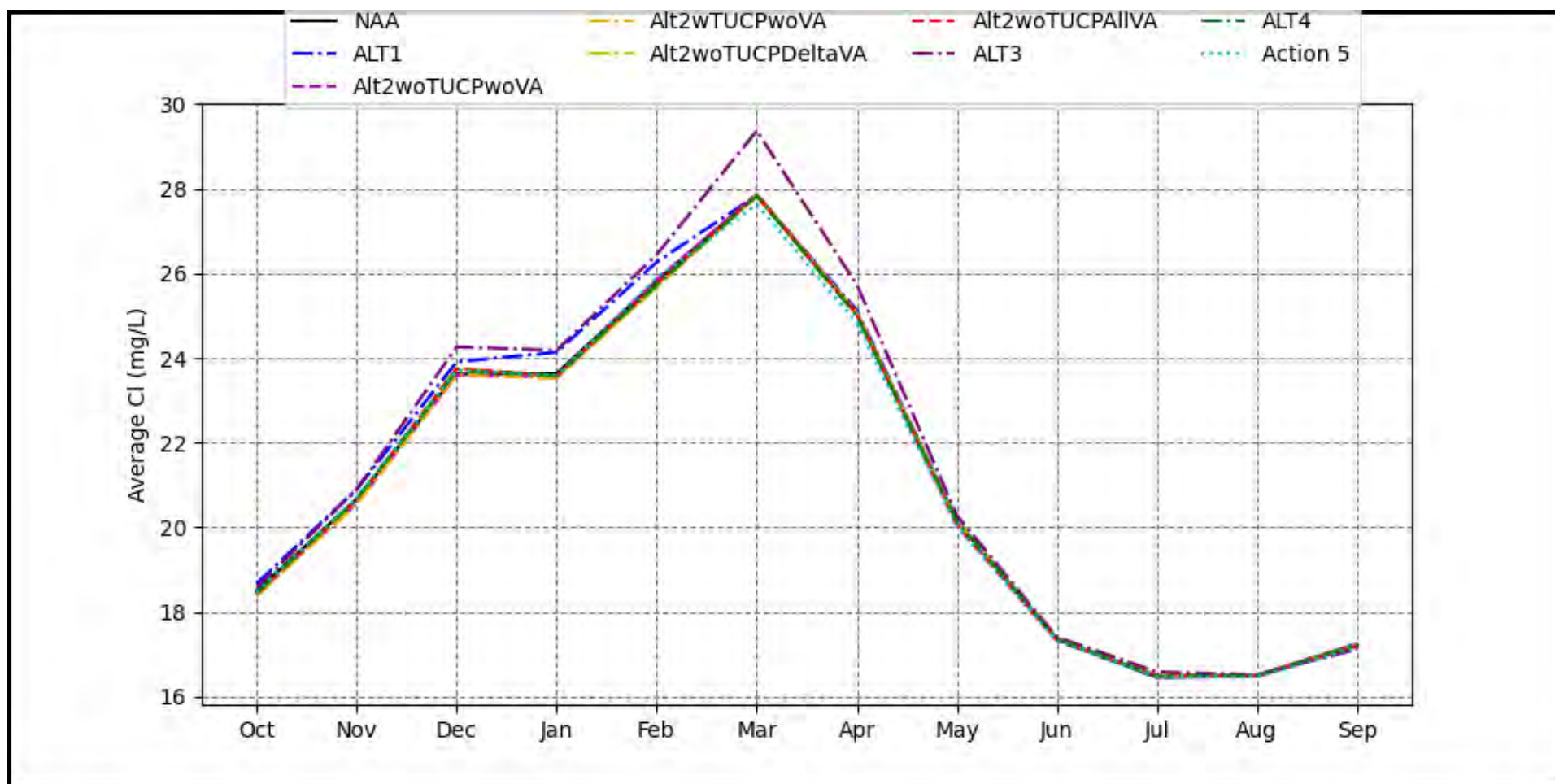


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.7-7-16 North Bay Aqueduct Chloride, Below Normal Year Average Cl (mg/L)

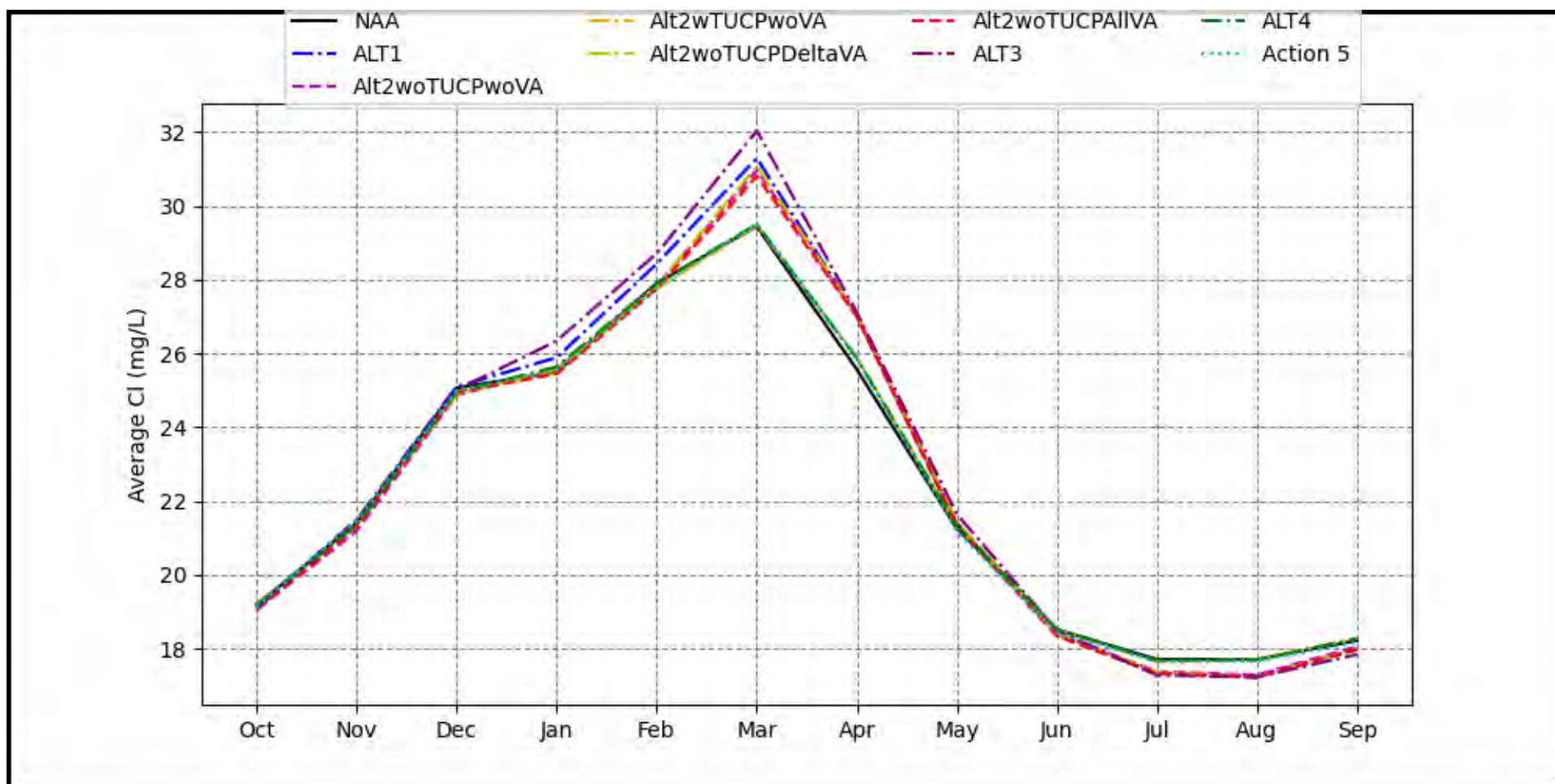


*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.7-7-17 North Bay Aqueduct Chloride, Dry Year Average Cl (mg/L)



*As defined by the 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

Figure F.2.7-7-18 North Bay Aqueduct Chloride, Critical Year Average Cl (mg/L)