BUREAU OF RECLAMATION

Appendix F: Modeling

Attachment 2-7, DSM2 - Chloride

This page intentionally left blank

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

Section	Output Parameters	Table Numbers	Figure Numbers
Chloride	Contra Costa Pumping Plant Chloride	F.2.7-1-1a to F.2.7-1-10c	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.2.7-2-10c	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.2.7-3-10c	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.2.7-4-10c	F.2.7-4-1 to F.2.7-4-18
Chloride	North Bay Aqueduct Chloride	F.2.7-5-1a to F.2.7-5-10c	F.2.7-5-1 to F.2.7-5-18

Report formats

- Monthly tables include a comparison of an alternative and the baseline (NAA, and EXP1) (exceedance values, long-term average, and average by water year type) by subtracting the values in the NAA or EXP1 table (the table presented at the top of the page) from the values in the alternative table (the second table from the top of the page).
- Monthly pattern charts (long-term average and average by water year type) including all alternatives.
- Monthly exceedance charts (all months) including all alternatives.

Table F.2.7-1-1a. 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 Water Years (28%)	22	37	117	38	36	27	27	23	20	23	30	34
Above Normal Years (14%)	22	37	138	75	38	32	41	34	25	25	32	38
Below Normal Years (18%)	146	146	140	96	46	33	39	34	26	37	70	133
Dry Water Years (24%)	165	157	146	129	70	36	36	35	27	48	86	127
Critical Water Years (16%)	185	221	213	147	102	59	59	81	106	128	150	164

Table F.2.7-1-1b. 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	197	220	218	196	115	58	48	45	53	84	109	149
20% Exceedance	185	186	210	166	79	41	40	37	30	51	92	140
30% Exceedance	164	163	196	126	56	37	36	32	29	44	82	136
40% Exceedance	154	151	186	94	44	34	33	30	28	39	73	130
50% Exceedance	141	117	166	71	40	32	31	29	26	34	59	115
60% Exceedance	25	47	108	44	32	29	29	27	24	26	49	53
70% Exceedance	23	40	92	32	29	27	28	26	23	25	37	45
80% Exceedance	21	34	72	26	26	26	27	24	22	23	30	37
90% Exceedance	21	26	38	22	23	23	21	18	17	21	28	31
Full Simulation Period Average[a]	107	113	141	93	56	36	34	31	32	42	64	95
Wet Water Years (28%)	22	37	115	35	36	26	24	20	20	23	32	37
Above Normal Years (14%)	22	35	135	74	40	32	32	28	24	24	37	43
Below Normal Years (18%)	149	142	136	99	46	33	33	29	26	38	72	130
Dry Water Years (24%)	168	159	148	127	66	36	34	32	28	48	89	133
Critical Water Years (16%)	202	220	192	153	102	62	52	54	72	86	101	145

Table F.2.7-1-1c. 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	-6	-20	0	8	-7	-15	-30	-45	-33	-16
20% Exceedance	13	-6	-3	3	-12	-1	-9	-8	0	-4	-8	-8
30% Exceedance	0	-1	-6	3	-3	1	-4	-6	1	-1	-2	-2
40% Exceedance	-1	-2	-6	-9	1	0	-5	-5	0	-1	1	3
50% Exceedance	6	-17	-6	-6	3	1	-5	-3	0	-1	2	1
60% Exceedance	2	1	-7	0	1	0	-3	-3	-1	0	5	5
70% Exceedance	1	-2	-2	1	1	0	-1	-3	-1	0	4	5
80% Exceedance	0	-1	-2	0	1	0	-2	-3	-1	0	1	3
90% Exceedance	0	-1	-2	0	0	-1	-4	-3	0	0	1	1
Full Simulation Period Average[a]	4	0	-4	0	-1	0	-5	-8	-6	-7	-6	-1
Wet Water Years (28%)	0	0	-2	-2	0	-1	-3	-3	0	0	1	2
Above Normal Years (14%)	0	-1	-3	-1	2	0	-9	-6	-1	-1	5	5
Below Normal Years (18%)	3	-4	-4	3	0	0	-6	-5	0	0	2	-3
Dry Water Years (24%)	3	3	1	-3	-4	0	-2	-3	0	0	3	5
Critical Water Years (16%)	17	-1	-20	6	0	3	-7	-28	-34	-42	-49	-19

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

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

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

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

Table F.2.7-1-2a. 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 Water Years (28%)	22	37	117	38	36	27	27	23	20	23	30	34
Above Normal Years (14%)	22	37	138	75	38	32	41	34	25	25	32	38
Below Normal Years (18%)	146	146	140	96	46	33	39	34	26	37	70	133
Dry Water Years (24%)	165	157	146	129	70	36	36	35	27	48	86	127
Critical Water Years (16%)	185	221	213	147	102	59	59	81	106	128	150	164

Table F.2.7-1-2b. 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	201	221	221	210	119	60	64	46	52	86	110	154
20% Exceedance	184	186	211	162	82	49	54	42	31	53	98	144
30% Exceedance	165	166	200	119	57	46	48	38	29	44	85	140
40% Exceedance	154	148	186	97	45	42	46	36	28	39	75	131
50% Exceedance	143	125	161	75	40	39	42	33	26	36	63	118
60% Exceedance	25	47	108	44	32	37	38	31	24	26	49	52
70% Exceedance	23	42	95	32	29	32	34	28	24	25	36	45
80% Exceedance	21	38	73	26	26	27	30	25	22	23	29	36
90% Exceedance	21	27	38	22	23	23	24	18	17	21	28	31
Full Simulation Period Average[a]	108	114	142	93	58	42	43	34	32	42	66	97
Wet Water Years (28%)	22	38	115	36	36	27	29	21	20	23	31	36
Above Normal Years (14%)	22	37	137	74	40	41	52	34	25	26	37	41
Below Normal Years (18%)	150	143	139	100	47	45	47	33	26	38	73	134
Dry Water Years (24%)	168	159	146	123	67	42	43	36	28	49	93	138
Critical Water Years (16%)	208	224	195	155	109	68	54	54	72	86	103	149

Table F.2.7-1-2c. 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	15	4	-3	-7	4	10	9	-14	-30	-43	-32	-11
20% Exceedance	12	-6	-2	-1	-9	7	5	-3	2	-2	-2	-5
30% Exceedance	1	2	-3	-3	-2	9	9	0	1	-1	0	2
40% Exceedance	-1	-6	-5	-7	1	8	8	1	1	-1	3	5
50% Exceedance	8	-9	-11	-2	3	8	6	1	0	0	6	4
60% Exceedance	2	1	-7	1	1	7	6	1	-1	-1	5	5
70% Exceedance	0	0	1	1	1	4	5	0	0	0	3	4
80% Exceedance	0	2	-1	0	0	0	2	-2	0	0	1	2
90% Exceedance	0	0	-2	0	0	-1	-1	-3	0	0	1	1
Full Simulation Period Average[a]	5	1	-4	0	1	6	4	-5	-5	-6	-4	1
Wet Water Years (28%)	0	1	-1	-2	0	0	1	-2	0	0	1	2
Above Normal Years (14%)	0	0	-1	-1	2	9	11	1	0	1	4	4
Below Normal Years (18%)	4	-3	-1	4	1	12	8	-1	0	0	3	1
Dry Water Years (24%)	3	2	-1	-6	-4	5	7	2	1	1	7	11
Critical Water Years (16%)	23	3	-18	8	7	9	-5	-27	-34	-42	-47	-15

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

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

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

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

Table F.2.7-1-3a. 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 Water Years (28%)	22	37	117	38	36	27	27	23	20	23	30	34
Above Normal Years (14%)	22	37	138	75	38	32	41	34	25	25	32	38
Below Normal Years (18%)	146	146	140	96	46	33	39	34	26	37	70	133
Dry Water Years (24%)	165	157	146	129	70	36	36	35	27	48	86	127
Critical Water Years (16%)	185	221	213	147	102	59	59	81	106	128	150	164

Table F.2.7-1-3b. Contra Costa Pumping Plant Chloride, Alt2woTUCPAllVA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	198	219	223	196	118	61	62	45	45	82	111	156
20% Exceedance	178	186	211	155	82	50	53	40	30	52	100	146
30% Exceedance	166	164	199	116	58	46	48	36	28	44	84	139
40% Exceedance	154	149	187	101	44	42	46	34	27	40	74	130
50% Exceedance	143	136	157	77	39	39	42	32	25	34	61	119
60% Exceedance	25	48	109	44	32	36	38	30	24	26	47	51
70% Exceedance	23	42	95	32	29	32	34	27	23	25	34	43
80% Exceedance	21	38	74	26	26	27	30	25	22	23	29	36
90% Exceedance	21	26	37	22	23	23	24	18	17	21	27	30
Full Simulation Period Average[a]	107	114	143	92	58	42	42	33	30	41	65	97
Wet Water Years (28%)	22	38	115	37	36	28	29	20	20	23	31	36
Above Normal Years (14%)	22	37	137	74	39	40	51	33	24	24	34	40
Below Normal Years (18%)	149	143	138	96	47	45	46	31	26	38	72	134
Dry Water Years (24%)	166	156	145	120	65	41	43	36	27	50	94	138
Critical Water Years (16%)	210	227	203	156	114	69	54	51	63	81	101	148

Table F.2.7-1-3c. Contra Costa Pumping Plant Chloride, Alt2woTUCPAllVA minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	13	1	-1	-20	2	11	7	-15	-38	-47	-31	-10
20% Exceedance	6	-7	-2	-8	-8	8	4	-4	1	-4	-1	-2
30% Exceedance	2	0	-3	-6	-2	9	8	-2	0	-2	0	2
40% Exceedance	-1	-4	-4	-2	0	8	8	-1	-1	0	2	4
50% Exceedance	8	2	-15	0	2	8	6	0	-1	-1	4	4
60% Exceedance	2	2	-6	1	1	7	6	0	-1	-1	3	3
70% Exceedance	0	0	2	1	0	4	5	-1	-1	0	1	3
80% Exceedance	0	3	-1	0	0	0	1	-2	0	0	0	2
90% Exceedance	0	-1	-2	0	0	-1	-1	-3	0	0	1	0
Full Simulation Period Average[a]	5	1	-2	-1	1	6	4	-6	-7	-7	-5	1
Wet Water Years (28%)	0	1	-1	-1	0	0	1	-2	0	0	1	2
Above Normal Years (14%)	0	0	-1	-1	1	9	10	0	0	-1	2	2
Below Normal Years (18%)	3	-2	-2	0	1	12	7	-3	0	1	2	1
Dry Water Years (24%)	1	0	-1	-9	-6	5	7	1	0	2	8	11
Critical Water Years (16%)	25	7	-10	9	12	10	-5	-31	-42	-47	-49	-16

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

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

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

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

Table F.2.7-1-4a. 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 Water Years (28%)	22	37	117	38	36	27	27	23	20	23	30	34
Above Normal Years (14%)	22	37	138	75	38	32	41	34	25	25	32	38
Below Normal Years (18%)	146	146	140	96	46	33	39	34	26	37	70	133
Dry Water Years (24%)	165	157	146	129	70	36	36	35	27	48	86	127
Critical Water Years (16%)	185	221	213	147	102	59	59	81	106	128	150	164

Table F.2.7-1-4b. 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	190	219	232	196	113	51	48	51	81	126	144	163
20% Exceedance	173	188	212	162	79	41	40	37	30	54	99	145
30% Exceedance	162	164	201	128	57	37	36	32	29	44	84	139
40% Exceedance	154	151	189	95	46	34	33	30	28	39	79	131
50% Exceedance	140	118	170	69	39	32	31	29	26	35	59	118
60% Exceedance	25	47	112	44	32	29	29	27	24	26	49	53
70% Exceedance	23	40	92	32	29	28	28	25	23	25	38	45
80% Exceedance	21	34	72	26	26	26	27	24	22	23	30	37
90% Exceedance	21	27	38	22	23	23	21	18	17	21	28	31
Full Simulation Period Average[a]	104	113	144	92	55	36	35	35	36	48	72	98
Wet Water Years (28%)	22	37	115	35	36	26	24	20	20	23	32	37
Above Normal Years (14%)	22	35	135	74	41	32	32	28	24	24	37	43
Below Normal Years (18%)	148	141	138	94	45	33	33	29	26	38	74	134
Dry Water Years (24%)	168	159	149	130	67	36	34	32	28	48	89	133
Critical Water Years (16%)	187	224	204	146	92	59	58	78	102	123	144	160

Table F.2.7-1-4c. 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	2	8	-20	-2	1	-7	-9	-2	-3	2	-2
20% Exceedance	2	-4	-1	-1	-11	-1	-9	-8	0	-1	-1	-4
30% Exceedance	-2	0	-1	5	-2	0	-3	-6	1	-1	0	1
40% Exceedance	-1	-3	-2	-9	3	0	-5	-5	0	-1	6	4
50% Exceedance	4	-17	-2	-8	1	1	-5	-3	0	0	2	4
60% Exceedance	2	1	-3	0	1	0	-3	-3	-1	0	5	5
70% Exceedance	1	-2	-2	1	1	0	-1	-3	-1	0	4	5
80% Exceedance	0	-1	-2	0	1	0	-2	-3	-1	0	2	3
90% Exceedance	0	-1	-2	0	0	-1	-4	-3	0	0	1	1
Full Simulation Period Average[a]	2	0	-2	-1	-2	0	-4	-4	-1	-1	2	2
Wet Water Years (28%)	0	0	-1	-2	0	-1	-3	-3	0	0	1	2
Above Normal Years (14%)	0	-1	-3	-1	3	1	-9	-6	-1	-1	5	5
Below Normal Years (18%)	2	-5	-2	-2	0	0	-6	-6	0	0	4	1
Dry Water Years (24%)	3	2	2	0	-4	0	-2	-3	0	0	3	6
Critical Water Years (16%)	2	3	-9	-1	-10	0	-1	-4	-4	-5	-6	-4

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

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

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

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

Table F.2.7-1-5a. 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 Water Years (28%)	22	37	117	38	36	27	27	23	20	23	30	34
Above Normal Years (14%)	22	37	138	75	38	32	41	34	25	25	32	38
Below Normal Years (18%)	146	146	140	96	46	33	39	34	26	37	70	133
Dry Water Years (24%)	165	157	146	129	70	36	36	35	27	48	86	127
Critical Water Years (16%)	185	221	213	147	102	59	59	81	106	128	150	164

Table F.2.7-1-5b. Contra Costa Pumping Plant Chloride, EXP3, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	123	120	153	180	187	181	154	118	102	122	142	149
20% Exceedance	107	112	141	166	167	169	149	113	94	109	121	130
30% Exceedance	97	107	130	148	159	165	147	110	90	99	106	112
40% Exceedance	93	100	125	140	152	162	139	107	82	83	87	96
50% Exceedance	90	95	114	133	145	152	129	95	74	74	77	82
60% Exceedance	88	92	111	127	139	122	77	71	71	71	72	80
70% Exceedance	84	88	104	119	112	76	59	56	66	67	69	76
80% Exceedance	81	85	97	104	50	57	42	34	57	62	66	71
90% Exceedance	76	79	90	36	24	24	19	8	32	56	58	64
Full Simulation Period Average[a]	95	98	116	127	124	121	101	78	73	85	93	99
Wet Water Years (28%)	82	92	108	102	74	57	38	30	46	64	69	73
Above Normal Years (14%)	84	92	126	144	125	109	87	71	67	66	64	71
Below Normal Years (18%)	87	96	119	134	132	132	111	87	77	81	81	87
Dry Water Years (24%)	98	96	107	134	153	163	142	106	86	94	103	111
Critical Water Years (16%)	133	121	133	137	161	169	150	118	105	131	160	167

Table F.2.7-1-5c. Contra Costa Pumping Plant Chloride, EXP3 minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-62	-98	-72	-37	72	131	99	57	20	-7	0	-16
20% Exceedance	-65	-81	-72	3	77	127	100	69	65	54	20	-19
30% Exceedance	-67	-58	-72	26	100	128	107	72	62	54	22	-25
40% Exceedance	-62	-53	-66	36	108	128	102	72	55	43	15	-30
50% Exceedance	-45	-39	-58	56	107	121	94	63	48	39	20	-32
60% Exceedance	65	46	-4	84	108	93	45	42	47	44	28	32
70% Exceedance	61	46	11	88	84	48	29	28	42	42	36	36
80% Exceedance	60	50	23	77	24	30	13	8	34	39	37	37
90% Exceedance	55	52	50	14	1	1	-6	-13	15	35	31	35
Full Simulation Period Average[a]	-8	-15	-29	34	68	85	63	40	36	37	23	4
Wet Water Years (28%)	61	55	-8	64	38	30	11	8	26	42	39	39
Above Normal Years (14%)	62	55	-12	69	87	77	46	37	42	41	32	33
Below Normal Years (18%)	-59	-50	-21	38	86	99	72	52	51	44	11	-46
Dry Water Years (24%)	-67	-60	-39	4	83	126	106	71	59	46	17	-16
Critical Water Years (16%)	-52	-100	-80	-9	59	110	90	37	-1	2	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.

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

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

Table F.2.7-1-6a. Contra Costa Pumping Plant Chloride, EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	826	687	530	240	184	172	149	116	162	447	822	1,035
20% Exceedance	653	489	345	202	173	164	142	108	114	328	703	889
30% Exceedance	533	352	230	175	157	158	133	102	91	261	555	755
40% Exceedance	459	280	188	155	148	149	127	96	83	173	491	675
50% Exceedance	325	213	163	144	142	138	98	78	75	130	381	568
60% Exceedance	265	169	143	135	128	100	70	60	70	105	302	434
70% Exceedance	139	129	130	129	109	62	47	41	65	82	200	255
80% Exceedance	118	108	119	111	44	43	29	26	52	73	114	143
90% Exceedance	104	102	102	39	22	21	11	5	27	61	91	101
Full Simulation Period Average[a]	401	314	236	161	128	112	90	72	91	206	422	548
Wet Water Years (28%)	144	118	118	93	61	44	30	25	43	76	156	197
Above Normal Years (14%)	237	163	147	148	114	89	68	57	65	110	291	388
Below Normal Years (18%)	412	280	193	158	132	120	95	75	81	192	472	616
Dry Water Years (24%)	541	387	270	173	156	154	129	96	100	251	544	741
Critical Water Years (16%)	806	753	545	279	212	177	150	126	192	464	764	935

Table F.2.7-1-6b. 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	197	220	218	196	115	58	48	45	53	84	109	149
20% Exceedance	185	186	210	166	79	41	40	37	30	51	92	140
30% Exceedance	164	163	196	126	56	37	36	32	29	44	82	136
40% Exceedance	154	151	186	94	44	34	33	30	28	39	73	130
50% Exceedance	141	117	166	71	40	32	31	29	26	34	59	115
60% Exceedance	25	47	108	44	32	29	29	27	24	26	49	53
70% Exceedance	23	40	92	32	29	27	28	26	23	25	37	45
80% Exceedance	21	34	72	26	26	26	27	24	22	23	30	37
90% Exceedance	21	26	38	22	23	23	21	18	17	21	28	31
Full Simulation Period Average[a]	107	113	141	93	56	36	34	31	32	42	64	95
Wet Water Years (28%)	22	37	115	35	36	26	24	20	20	23	32	37
Above Normal Years (14%)	22	35	135	74	40	32	32	28	24	24	37	43
Below Normal Years (18%)	149	142	136	99	46	33	33	29	26	38	72	130
Dry Water Years (24%)	168	159	148	127	66	36	34	32	28	48	89	133
Critical Water Years (16%)	202	220	192	153	102	62	52	54	72	86	101	145

Table F.2.7-1-6c. Contra Costa Pumping Plant Chloride, Alt2woTUCPwoVA minus EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-629	-466	-311	-44	-69	-114	-101	-71	-109	-364	-713	-886
20% Exceedance	-469	-303	-135	-36	-94	-123	-102	-71	-84	-277	-611	-749
30% Exceedance	-369	-189	-34	-50	-101	-121	-98	-71	-63	-216	-472	-620
40% Exceedance	-306	-129	-3	-61	-104	-115	-94	-66	-56	-134	-417	-545
50% Exceedance	-184	-96	3	-73	-102	-106	-67	-49	-49	-96	-322	-452
60% Exceedance	-240	-122	-35	-91	-96	-71	-40	-34	-46	-78	-254	-381
70% Exceedance	-117	-88	-38	-98	-80	-34	-19	-15	-41	-57	-162	-210
80% Exceedance	-96	-74	-46	-84	-18	-17	-2	-2	-30	-50	-84	-106
90% Exceedance	-83	-76	-64	-17	0	2	10	13	-11	-41	-63	-71
Full Simulation Period Average[a]	-294	-201	-95	-68	-72	-76	-56	-41	-59	-164	-358	-453
Wet Water Years (28%)	-122	-81	-3	-58	-25	-18	-6	-5	-24	-54	-124	-161
Above Normal Years (14%)	-215	-127	-12	-74	-73	-57	-36	-30	-41	-86	-254	-345
Below Normal Years (18%)	-263	-138	-57	-59	-86	-87	-62	-46	-55	-155	-401	-485
Dry Water Years (24%)	-373	-227	-122	-46	-90	-118	-95	-65	-72	-202	-456	-608
Critical Water Years (16%)	-604	-533	-353	-126	-110	-116	-97	-72	-121	-378	-663	-790

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

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

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

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

Table F.2.7-1-7a. Contra Costa Pumping Plant Chloride, EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	826	687	530	240	184	172	149	116	162	447	822	1,035
20% Exceedance	653	489	345	202	173	164	142	108	114	328	703	889
30% Exceedance	533	352	230	175	157	158	133	102	91	261	555	755
40% Exceedance	459	280	188	155	148	149	127	96	83	173	491	675
50% Exceedance	325	213	163	144	142	138	98	78	75	130	381	568
60% Exceedance	265	169	143	135	128	100	70	60	70	105	302	434
70% Exceedance	139	129	130	129	109	62	47	41	65	82	200	255
80% Exceedance	118	108	119	111	44	43	29	26	52	73	114	143
90% Exceedance	104	102	102	39	22	21	11	5	27	61	91	101
Full Simulation Period Average[a]	401	314	236	161	128	112	90	72	91	206	422	548
Wet Water Years (28%)	144	118	118	93	61	44	30	25	43	76	156	197
Above Normal Years (14%)	237	163	147	148	114	89	68	57	65	110	291	388
Below Normal Years (18%)	412	280	193	158	132	120	95	75	81	192	472	616
Dry Water Years (24%)	541	387	270	173	156	154	129	96	100	251	544	741
Critical Water Years (16%)	806	753	545	279	212	177	150	126	192	464	764	935

Table F.2.7-1-7b. 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	201	221	221	210	119	60	64	46	52	86	110	154
20% Exceedance	184	186	211	162	82	49	54	42	31	53	98	144
30% Exceedance	165	166	200	119	57	46	48	38	29	44	85	140
40% Exceedance	154	148	186	97	45	42	46	36	28	39	75	131
50% Exceedance	143	125	161	75	40	39	42	33	26	36	63	118
60% Exceedance	25	47	108	44	32	37	38	31	24	26	49	52
70% Exceedance	23	42	95	32	29	32	34	28	24	25	36	45
80% Exceedance	21	38	73	26	26	27	30	25	22	23	29	36
90% Exceedance	21	27	38	22	23	23	24	18	17	21	28	31
Full Simulation Period Average[a]	108	114	142	93	58	42	43	34	32	42	66	97
Wet Water Years (28%)	22	38	115	36	36	27	29	21	20	23	31	36
Above Normal Years (14%)	22	37	137	74	40	41	52	34	25	26	37	41
Below Normal Years (18%)	150	143	139	100	47	45	47	33	26	38	73	134
Dry Water Years (24%)	168	159	146	123	67	42	43	36	28	49	93	138
Critical Water Years (16%)	208	224	195	155	109	68	54	54	72	86	103	149

Table F.2.7-1-7c. Contra Costa Pumping Plant Chloride, Alt2woTUCPDeltaVA minus EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-625	-465	-309	-30	-65	-112	-85	-70	-110	-361	-712	-880
20% Exceedance	-469	-303	-134	-40	-92	-115	-88	-67	-83	-275	-605	-745
30% Exceedance	-368	-186	-31	-56	-100	-112	-85	-64	-62	-216	-470	-616
40% Exceedance	-306	-133	-2	-58	-104	-107	-81	-60	-55	-133	-416	-544
50% Exceedance	-182	-88	-2	-69	-102	-99	-56	-45	-49	-95	-318	-449
60% Exceedance	-240	-122	-35	-91	-96	-64	-32	-30	-46	-78	-254	-382
70% Exceedance	-117	-86	-35	-98	-80	-30	-13	-13	-41	-57	-163	-211
80% Exceedance	-96	-71	-45	-84	-18	-17	1	-1	-30	-50	-85	-107
90% Exceedance	-83	-75	-64	-17	0	2	13	13	-11	-41	-63	-71
Full Simulation Period Average[a]	-293	-200	-94	-69	-71	-70	-47	-38	-58	-163	-357	-451
Wet Water Years (28%)	-122	-80	-3	-57	-25	-17	-1	-4	-24	-54	-125	-161
Above Normal Years (14%)	-215	-126	-10	-74	-73	-48	-17	-23	-41	-84	-255	-346
Below Normal Years (18%)	-262	-137	-55	-58	-85	-76	-47	-42	-54	-155	-399	-482
Dry Water Years (24%)	-373	-227	-124	-49	-90	-113	-86	-60	-72	-201	-452	-603
Critical Water Years (16%)	-598	-529	-350	-124	-103	-110	-95	-71	-120	-377	-661	-787

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

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

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

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

Table F.2.7-1-8a. Contra Costa Pumping Plant Chloride, EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	826	687	530	240	184	172	149	116	162	447	822	1,035
20% Exceedance	653	489	345	202	173	164	142	108	114	328	703	889
30% Exceedance	533	352	230	175	157	158	133	102	91	261	555	755
40% Exceedance	459	280	188	155	148	149	127	96	83	173	491	675
50% Exceedance	325	213	163	144	142	138	98	78	75	130	381	568
60% Exceedance	265	169	143	135	128	100	70	60	70	105	302	434
70% Exceedance	139	129	130	129	109	62	47	41	65	82	200	255
80% Exceedance	118	108	119	111	44	43	29	26	52	73	114	143
90% Exceedance	104	102	102	39	22	21	11	5	27	61	91	101
Full Simulation Period Average[a]	401	314	236	161	128	112	90	72	91	206	422	548
Wet Water Years (28%)	144	118	118	93	61	44	30	25	43	76	156	197
Above Normal Years (14%)	237	163	147	148	114	89	68	57	65	110	291	388
Below Normal Years (18%)	412	280	193	158	132	120	95	75	81	192	472	616
Dry Water Years (24%)	541	387	270	173	156	154	129	96	100	251	544	741
Critical Water Years (16%)	806	753	545	279	212	177	150	126	192	464	764	935

Table F.2.7-1-8b. Contra Costa Pumping Plant Chloride, Alt2woTUCPAllVA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	198	219	223	196	118	61	62	45	45	82	111	156
20% Exceedance	178	186	211	155	82	50	53	40	30	52	100	146
30% Exceedance	166	164	199	116	58	46	48	36	28	44	84	139
40% Exceedance	154	149	187	101	44	42	46	34	27	40	74	130
50% Exceedance	143	136	157	77	39	39	42	32	25	34	61	119
60% Exceedance	25	48	109	44	32	36	38	30	24	26	47	51
70% Exceedance	23	42	95	32	29	32	34	27	23	25	34	43
80% Exceedance	21	38	74	26	26	27	30	25	22	23	29	36
90% Exceedance	21	26	37	22	23	23	24	18	17	21	27	30
Full Simulation Period Average[a]	107	114	143	92	58	42	42	33	30	41	65	97
Wet Water Years (28%)	22	38	115	37	36	28	29	20	20	23	31	36
Above Normal Years (14%)	22	37	137	74	39	40	51	33	24	24	34	40
Below Normal Years (18%)	149	143	138	96	47	45	46	31	26	38	72	134
Dry Water Years (24%)	166	156	145	120	65	41	43	36	27	50	94	138
Critical Water Years (16%)	210	227	203	156	114	69	54	51	63	81	101	148

Table F.2.7-1-8c. Contra Costa Pumping Plant Chloride, Alt2woTUCPAllVA minus EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-628	-467	-307	-44	-66	-111	-87	-71	-117	-365	-711	-879
20% Exceedance	-475	-303	-133	-47	-91	-114	-89	-68	-84	-276	-603	-743
30% Exceedance	-368	-189	-31	-59	-100	-112	-86	-66	-63	-217	-470	-616
40% Exceedance	-305	-131	-1	-54	-104	-107	-81	-61	-57	-133	-416	-545
50% Exceedance	-182	-77	-6	-67	-103	-99	-56	-46	-49	-96	-320	-449
60% Exceedance	-240	-121	-34	-91	-96	-64	-31	-30	-46	-79	-256	-383
70% Exceedance	-117	-86	-34	-97	-80	-30	-13	-14	-41	-57	-165	-212
80% Exceedance	-97	-70	-45	-84	-18	-17	1	-1	-30	-50	-85	-107
90% Exceedance	-83	-76	-65	-17	0	2	13	13	-11	-41	-63	-72
Full Simulation Period Average[a]	-293	-200	-93	-70	-70	-70	-47	-39	-60	-164	-357	-451
Wet Water Years (28%)	-123	-80	-2	-57	-25	-17	-1	-4	-24	-54	-125	-161
Above Normal Years (14%)	-215	-126	-10	-74	-75	-49	-17	-24	-41	-86	-257	-347
Below Normal Years (18%)	-263	-136	-55	-62	-85	-76	-48	-43	-55	-154	-401	-482
Dry Water Years (24%)	-375	-230	-124	-52	-92	-113	-86	-61	-73	-201	-451	-603
Critical Water Years (16%)	-596	-526	-342	-122	-98	-108	-96	-75	-129	-382	-664	-787

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

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

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

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

Table F.2.7-1-9a. Contra Costa Pumping Plant Chloride, EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	826	687	530	240	184	172	149	116	162	447	822	1,035
20% Exceedance	653	489	345	202	173	164	142	108	114	328	703	889
30% Exceedance	533	352	230	175	157	158	133	102	91	261	555	755
40% Exceedance	459	280	188	155	148	149	127	96	83	173	491	675
50% Exceedance	325	213	163	144	142	138	98	78	75	130	381	568
60% Exceedance	265	169	143	135	128	100	70	60	70	105	302	434
70% Exceedance	139	129	130	129	109	62	47	41	65	82	200	255
80% Exceedance	118	108	119	111	44	43	29	26	52	73	114	143
90% Exceedance	104	102	102	39	22	21	11	5	27	61	91	101
Full Simulation Period Average[a]	401	314	236	161	128	112	90	72	91	206	422	548
Wet Water Years (28%)	144	118	118	93	61	44	30	25	43	76	156	197
Above Normal Years (14%)	237	163	147	148	114	89	68	57	65	110	291	388
Below Normal Years (18%)	412	280	193	158	132	120	95	75	81	192	472	616
Dry Water Years (24%)	541	387	270	173	156	154	129	96	100	251	544	741
Critical Water Years (16%)	806	753	545	279	212	177	150	126	192	464	764	935

Table F.2.7-1-9b. 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	190	219	232	196	113	51	48	51	81	126	144	163
20% Exceedance	173	188	212	162	79	41	40	37	30	54	99	145
30% Exceedance	162	164	201	128	57	37	36	32	29	44	84	139
40% Exceedance	154	151	189	95	46	34	33	30	28	39	79	131
50% Exceedance	140	118	170	69	39	32	31	29	26	35	59	118
60% Exceedance	25	47	112	44	32	29	29	27	24	26	49	53
70% Exceedance	23	40	92	32	29	28	28	25	23	25	38	45
80% Exceedance	21	34	72	26	26	26	27	24	22	23	30	37
90% Exceedance	21	27	38	22	23	23	21	18	17	21	28	31
Full Simulation Period Average[a]	104	113	144	92	55	36	35	35	36	48	72	98
Wet Water Years (28%)	22	37	115	35	36	26	24	20	20	23	32	37
Above Normal Years (14%)	22	35	135	74	41	32	32	28	24	24	37	43
Below Normal Years (18%)	148	141	138	94	45	33	33	29	26	38	74	134
Dry Water Years (24%)	168	159	149	130	67	36	34	32	28	48	89	133
Critical Water Years (16%)	187	224	204	146	92	59	58	78	102	123	144	160

Table F.2.7-1-9c. Contra Costa Pumping Plant Chloride, Alt2wTUCPwoVA minus EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-636	-467	-297	-44	-71	-121	-101	-65	-81	-322	-678	-872
20% Exceedance	-480	-301	-133	-40	-94	-123	-102	-71	-84	-274	-604	-744
30% Exceedance	-371	-188	-29	-48	-100	-121	-97	-71	-63	-216	-470	-617
40% Exceedance	-306	-130	0	-61	-102	-116	-94	-66	-56	-133	-412	-544
50% Exceedance	-186	-96	7	-75	-104	-106	-67	-49	-49	-95	-322	-449
60% Exceedance	-240	-122	-31	-91	-96	-71	-40	-34	-46	-78	-254	-381
70% Exceedance	-117	-88	-38	-98	-80	-34	-19	-15	-41	-57	-162	-210
80% Exceedance	-96	-74	-46	-84	-18	-17	-2	-2	-30	-50	-84	-106
90% Exceedance	-83	-75	-64	-17	0	2	10	13	-11	-41	-63	-71
Full Simulation Period Average[a]	-297	-201	-93	-69	-73	-76	-55	-37	-54	-158	-351	-450
Wet Water Years (28%)	-122	-81	-3	-58	-25	-18	-6	-5	-24	-54	-124	-161
Above Normal Years (14%)	-215	-127	-12	-74	-73	-57	-36	-30	-41	-86	-254	-345
Below Normal Years (18%)	-264	-139	-56	-64	-87	-87	-62	-46	-55	-155	-399	-482
Dry Water Years (24%)	-373	-227	-121	-43	-90	-118	-95	-65	-72	-202	-456	-608
Critical Water Years (16%)	-619	-529	-342	-132	-120	-119	-92	-48	-91	-340	-621	-775

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

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

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

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

Table F.2.7-1-10a. Contra Costa Pumping Plant Chloride, EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	826	687	530	240	184	172	149	116	162	447	822	1,035
20% Exceedance	653	489	345	202	173	164	142	108	114	328	703	889
30% Exceedance	533	352	230	175	157	158	133	102	91	261	555	755
40% Exceedance	459	280	188	155	148	149	127	96	83	173	491	675
50% Exceedance	325	213	163	144	142	138	98	78	75	130	381	568
60% Exceedance	265	169	143	135	128	100	70	60	70	105	302	434
70% Exceedance	139	129	130	129	109	62	47	41	65	82	200	255
80% Exceedance	118	108	119	111	44	43	29	26	52	73	114	143
90% Exceedance	104	102	102	39	22	21	11	5	27	61	91	101
Full Simulation Period Average[a]	401	314	236	161	128	112	90	72	91	206	422	548
Wet Water Years (28%)	144	118	118	93	61	44	30	25	43	76	156	197
Above Normal Years (14%)	237	163	147	148	114	89	68	57	65	110	291	388
Below Normal Years (18%)	412	280	193	158	132	120	95	75	81	192	472	616
Dry Water Years (24%)	541	387	270	173	156	154	129	96	100	251	544	741
Critical Water Years (16%)	806	753	545	279	212	177	150	126	192	464	764	935

Table F.2.7-1-10b. 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 Water Years (28%)	22	37	117	38	36	27	27	23	20	23	30	34
Above Normal Years (14%)	22	37	138	75	38	32	41	34	25	25	32	38
Below Normal Years (18%)	146	146	140	96	46	33	39	34	26	37	70	133
Dry Water Years (24%)	165	157	146	129	70	36	36	35	27	48	86	127
Critical Water Years (16%)	185	221	213	147	102	59	59	81	106	128	150	164

Table F.2.7-1-10c. Contra Costa Pumping Plant Chloride, NAA minus EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-641	-469	-305	-24	-68	-122	-94	-56	-80	-318	-680	-870
20% Exceedance	-482	-296	-132	-39	-82	-122	-93	-64	-85	-273	-603	-740
30% Exceedance	-369	-188	-28	-53	-98	-121	-94	-64	-64	-215	-471	-618
40% Exceedance	-305	-127	3	-52	-105	-115	-89	-61	-56	-133	-418	-549
50% Exceedance	-190	-79	9	-67	-105	-107	-62	-46	-49	-95	-324	-453
60% Exceedance	-242	-123	-28	-92	-97	-71	-38	-31	-45	-78	-258	-386
70% Exceedance	-117	-86	-36	-99	-81	-34	-17	-13	-41	-57	-166	-215
80% Exceedance	-96	-73	-44	-84	-19	-17	0	1	-30	-50	-85	-109
90% Exceedance	-83	-75	-63	-17	0	2	14	16	-10	-41	-64	-72
Full Simulation Period Average[a]	-298	-201	-91	-68	-71	-76	-51	-33	-53	-157	-352	-452
Wet Water Years (28%)	-123	-81	-1	-56	-25	-17	-2	-2	-23	-54	-126	-163
Above Normal Years (14%)	-215	-126	-9	-73	-75	-57	-27	-24	-41	-85	-259	-350
Below Normal Years (18%)	-266	-134	-54	-62	-86	-87	-56	-40	-55	-155	-403	-483
Dry Water Years (24%)	-376	-230	-123	-43	-86	-118	-93	-62	-73	-202	-459	-614
Critical Water Years (16%)	-621	-532	-332	-132	-110	-118	-90	-44	-87	-335	-614	-771

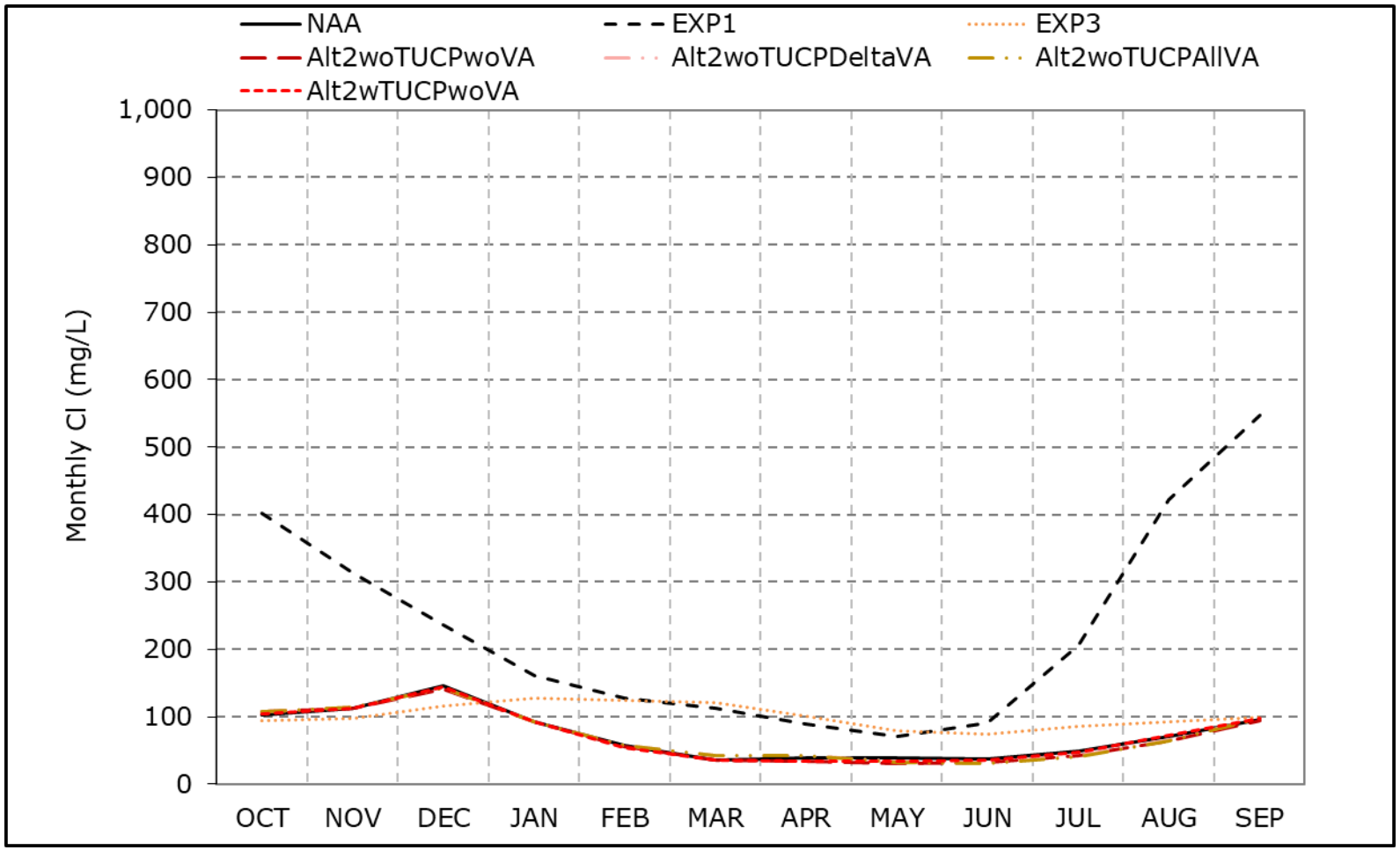
[a] Based on the 100-year simulation period.

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

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

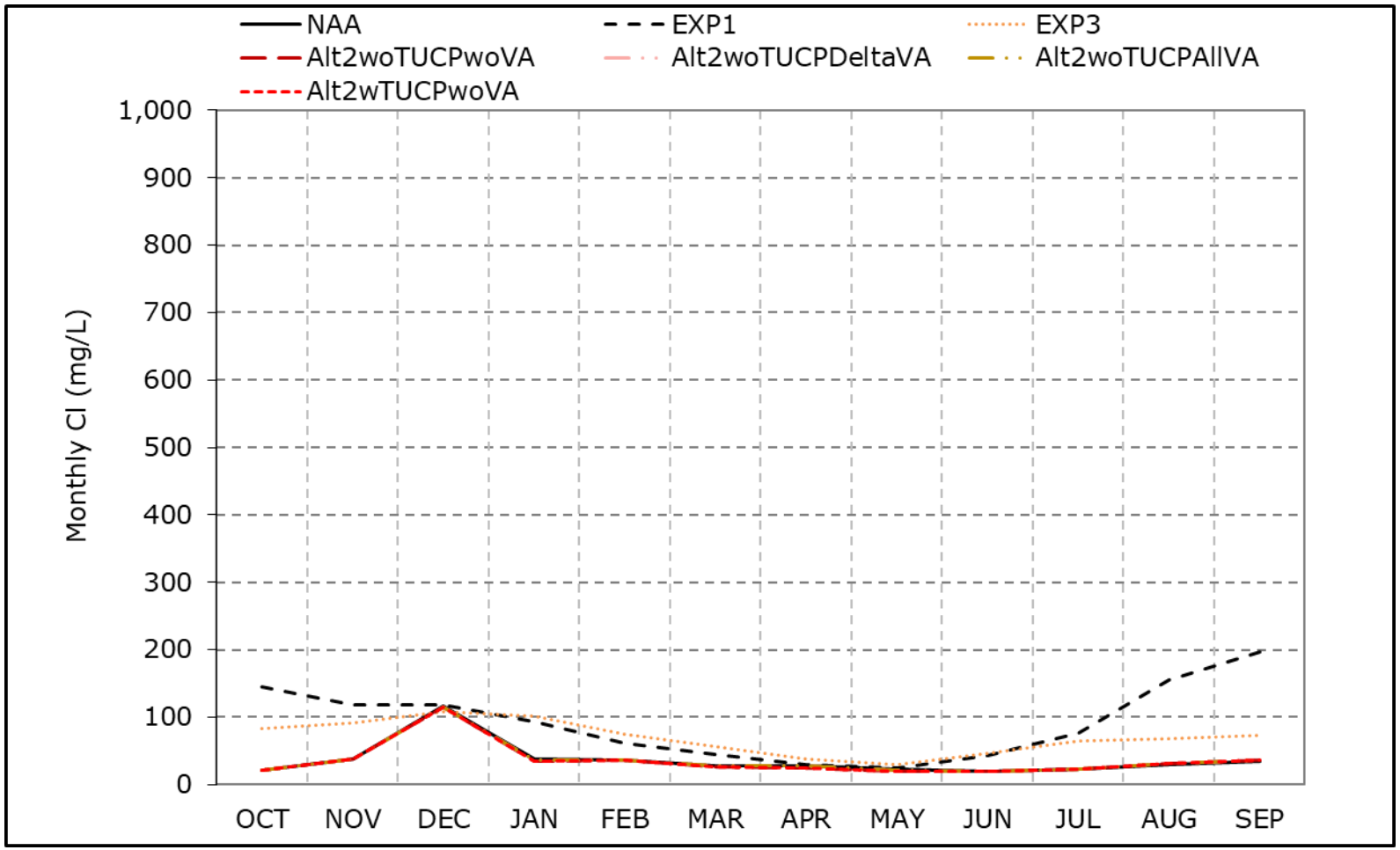
* These results are displayed with calendar year - year type sorting.

Figure F.2.7-1-1. Contra Costa Pumping Plant Chloride, Long-Term Average Cl



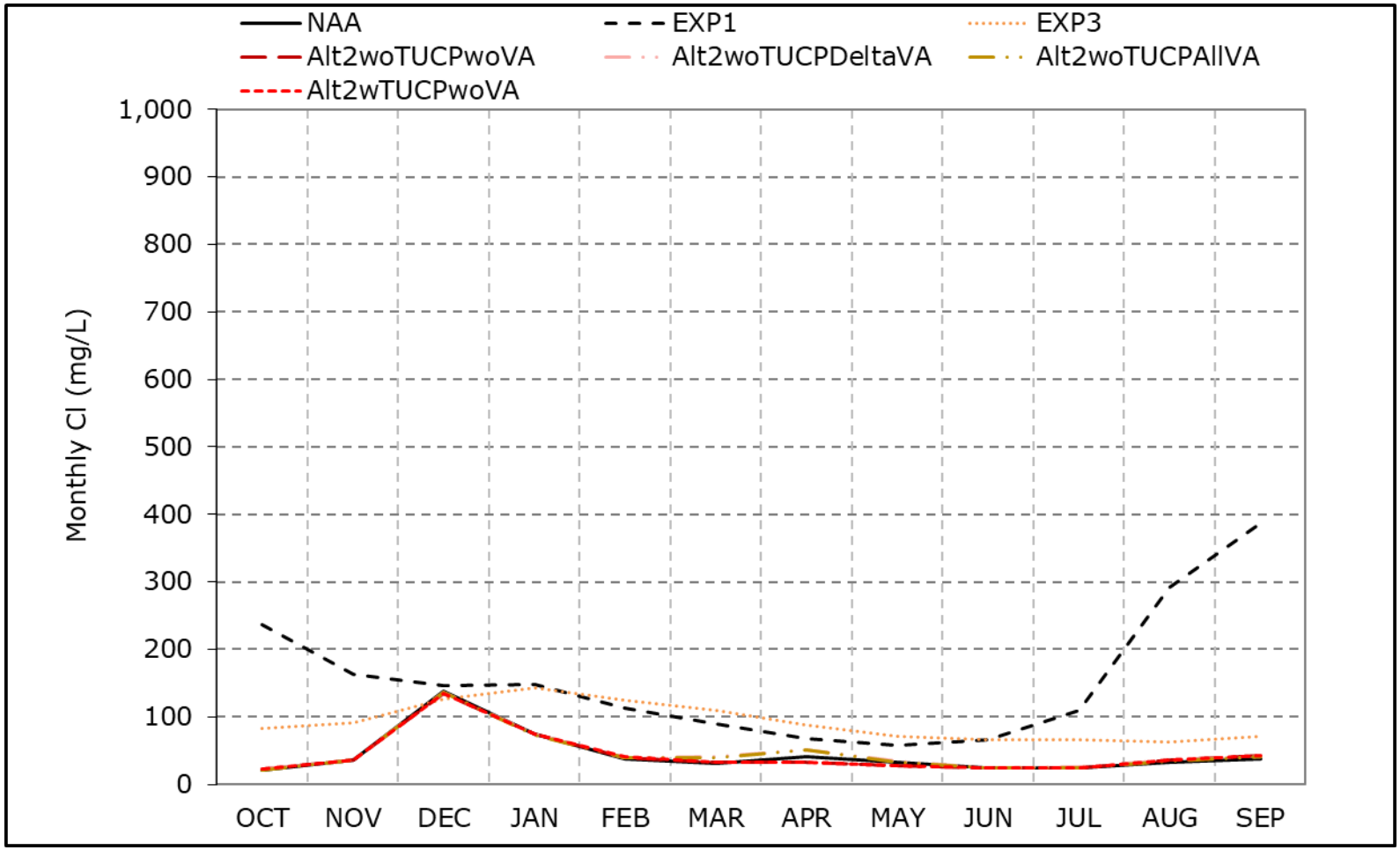
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-1-2. Contra Costa Pumping Plant Chloride, Wet Year Average Cl



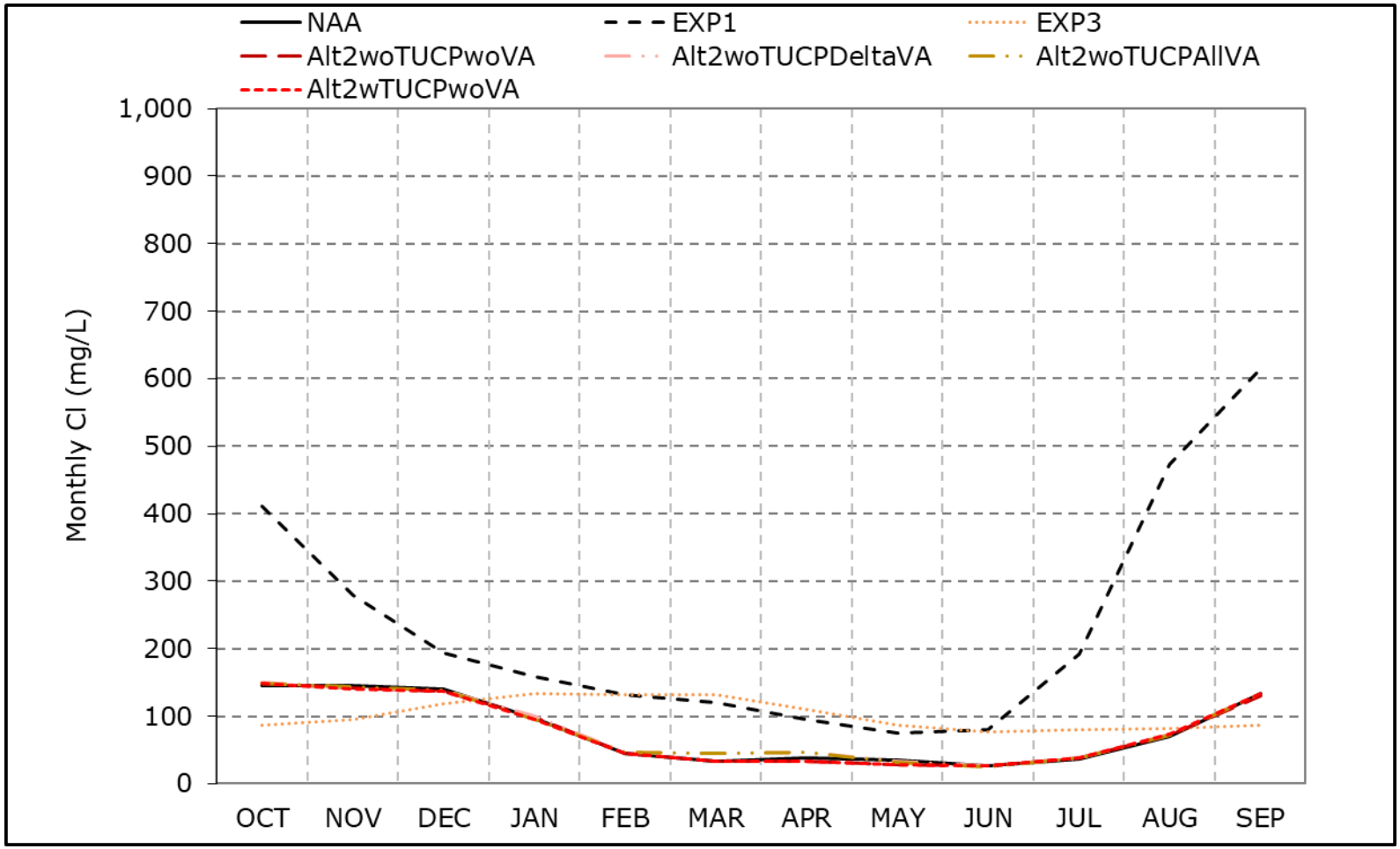
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-1-3. Contra Costa Pumping Plant Chloride, Above Normal Year Average Cl



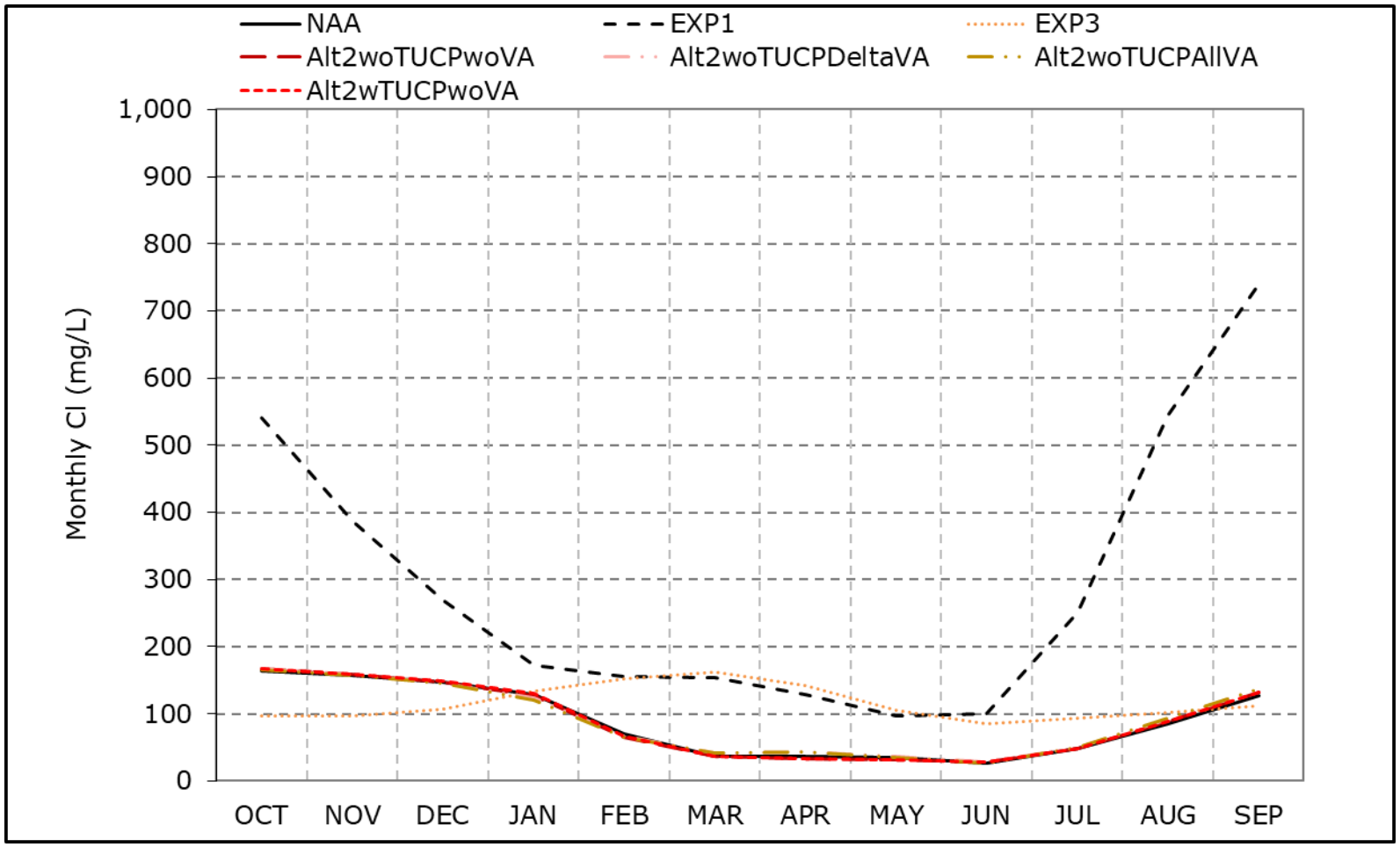
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-1-4. Contra Costa Pumping Plant Chloride, Below Normal Year Average Cl



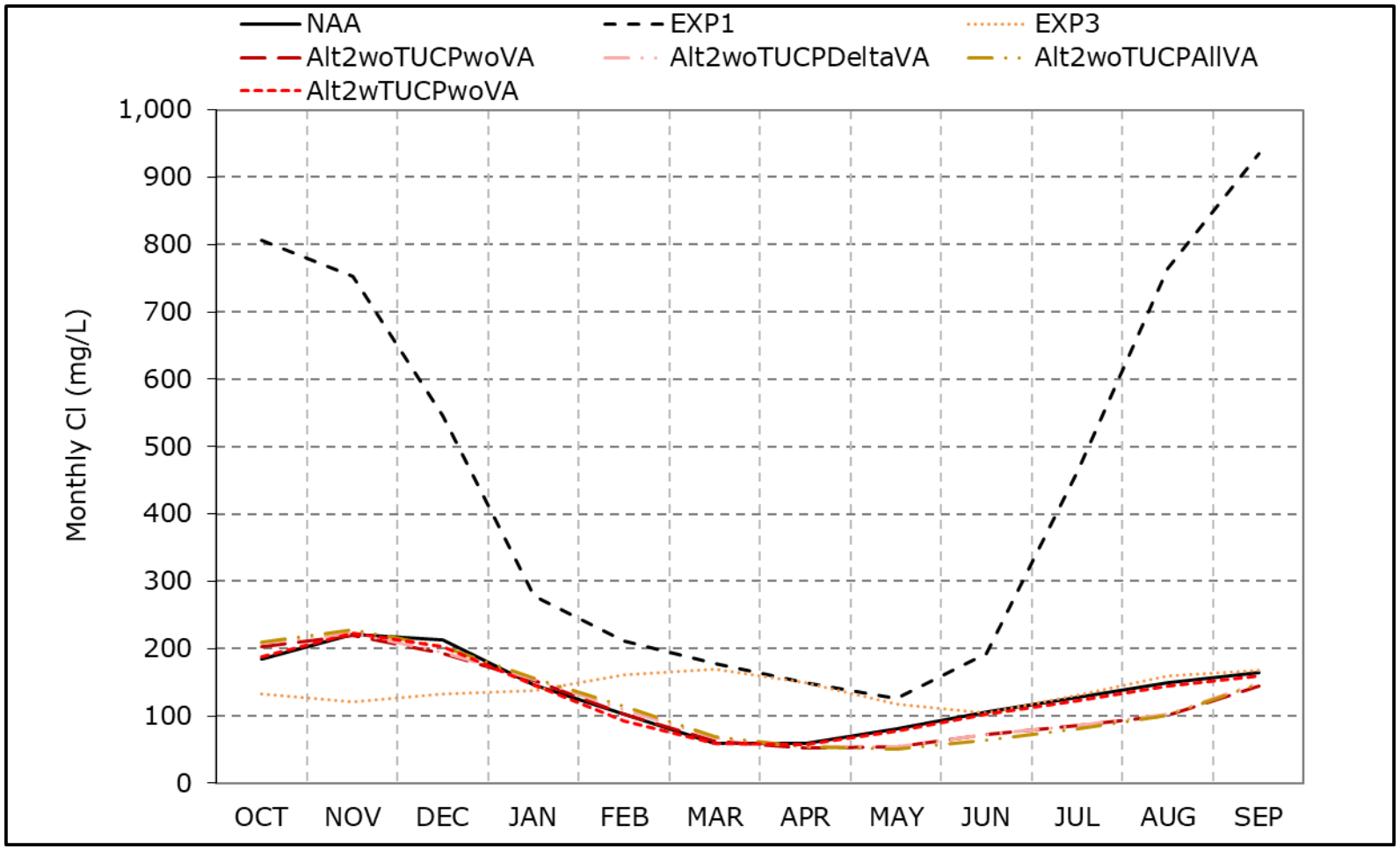
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-1-5. Contra Costa Pumping Plant Chloride, Dry Year Average Cl



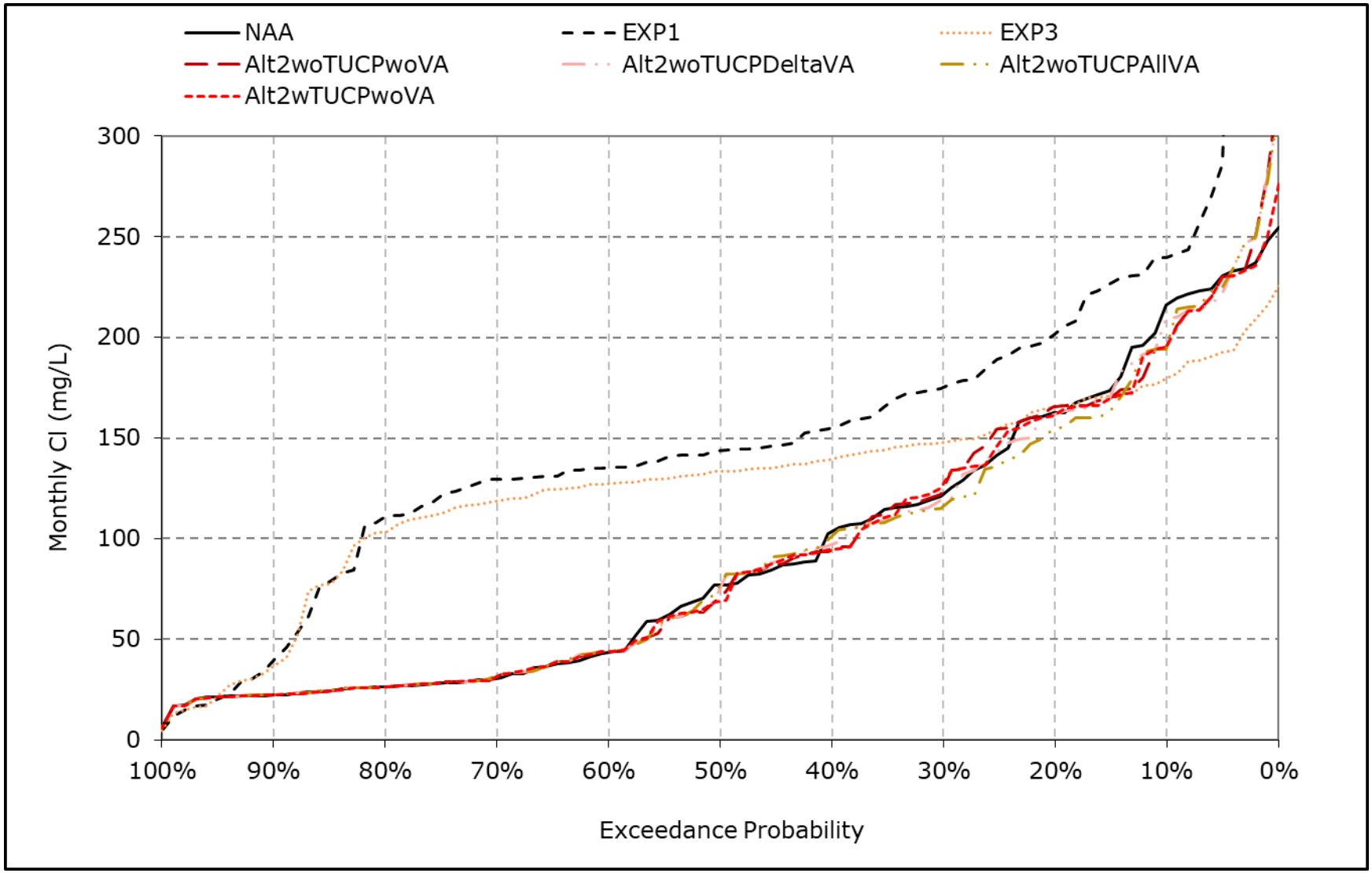
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-1-6. Contra Costa Pumping Plant Chloride, Critical Year Average Cl



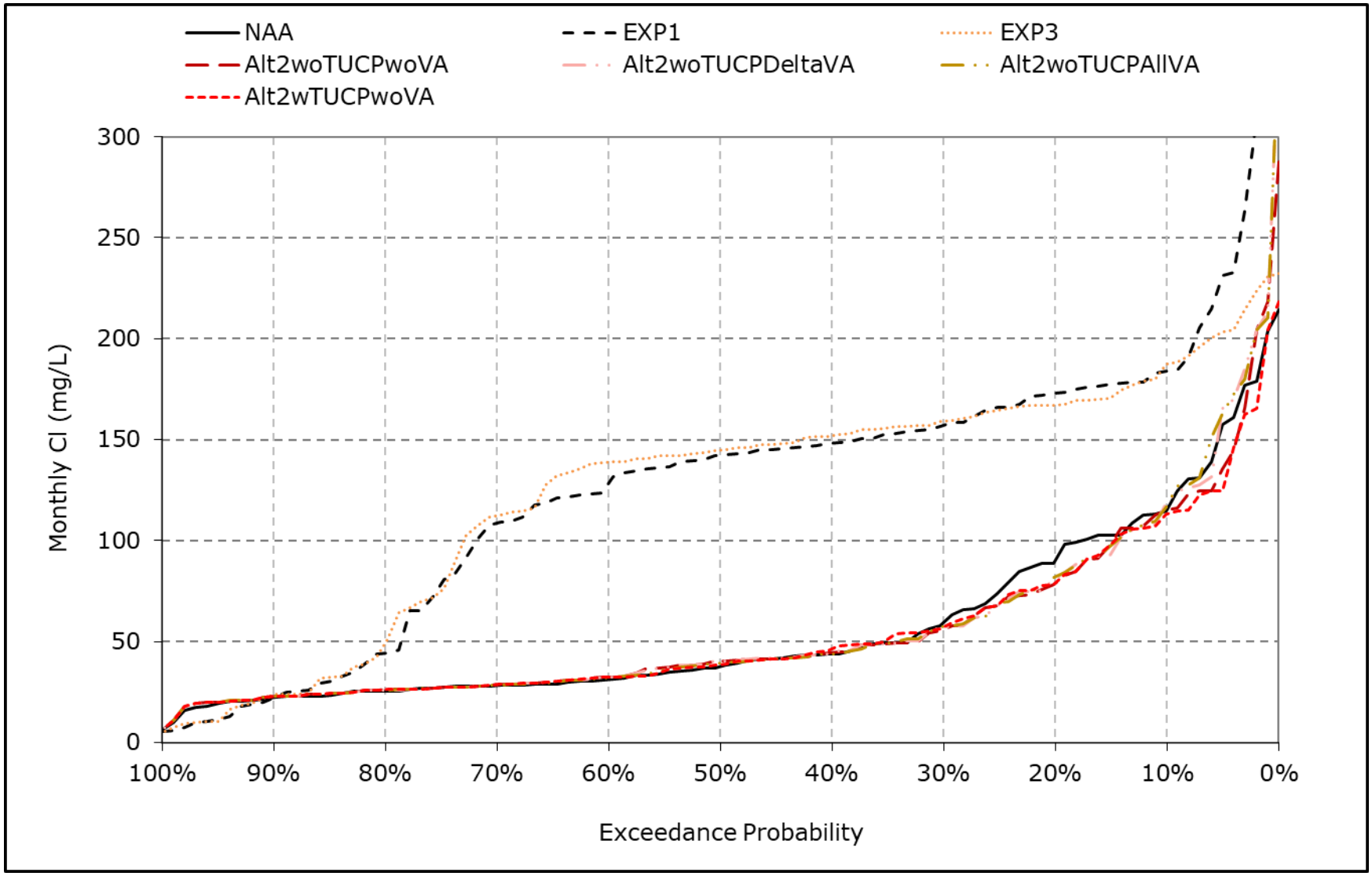
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-1-7. Contra Costa Pumping Plant Chloride, January Cl



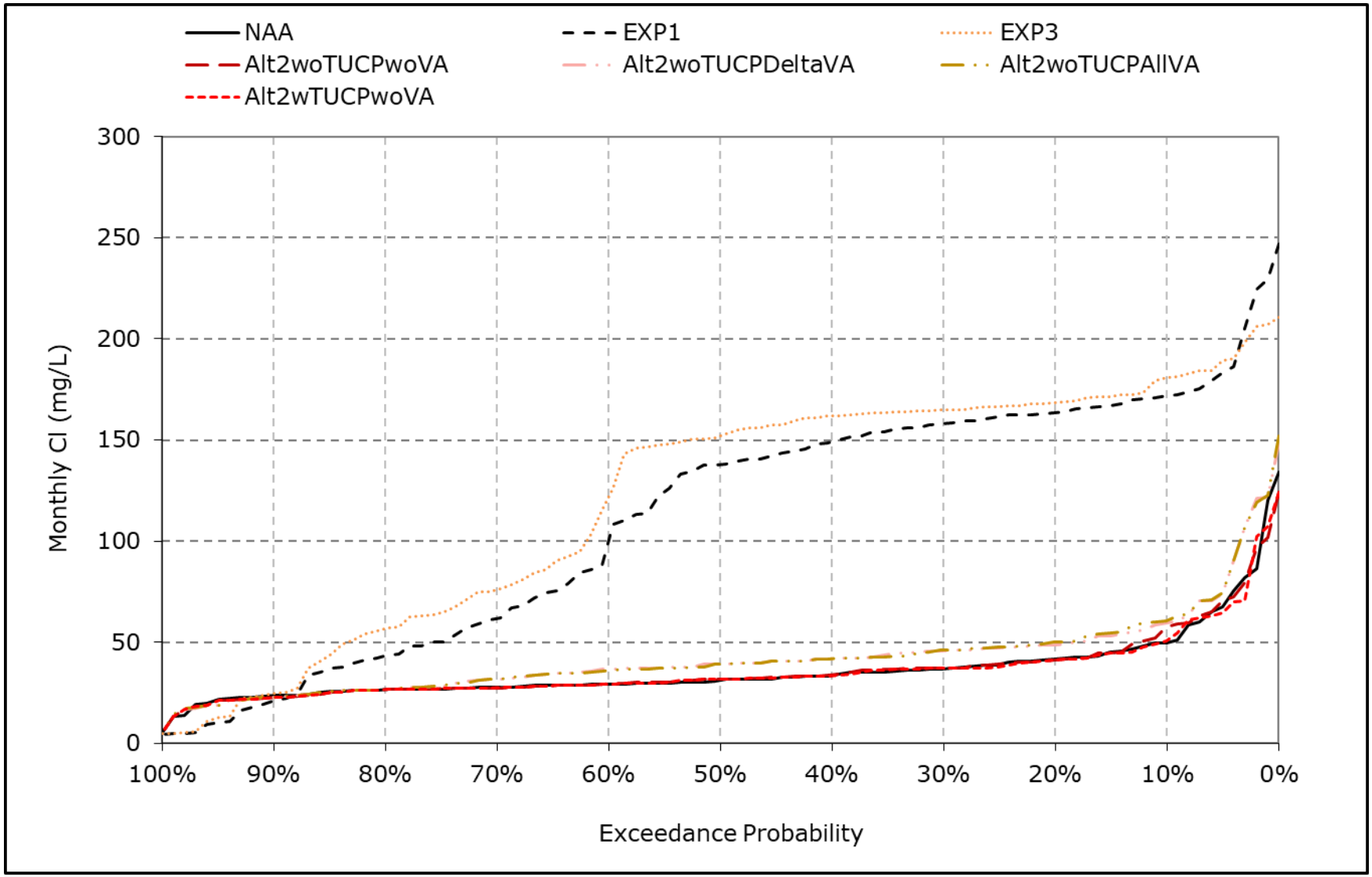
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-1-8. Contra Costa Pumping Plant Chloride, February Cl



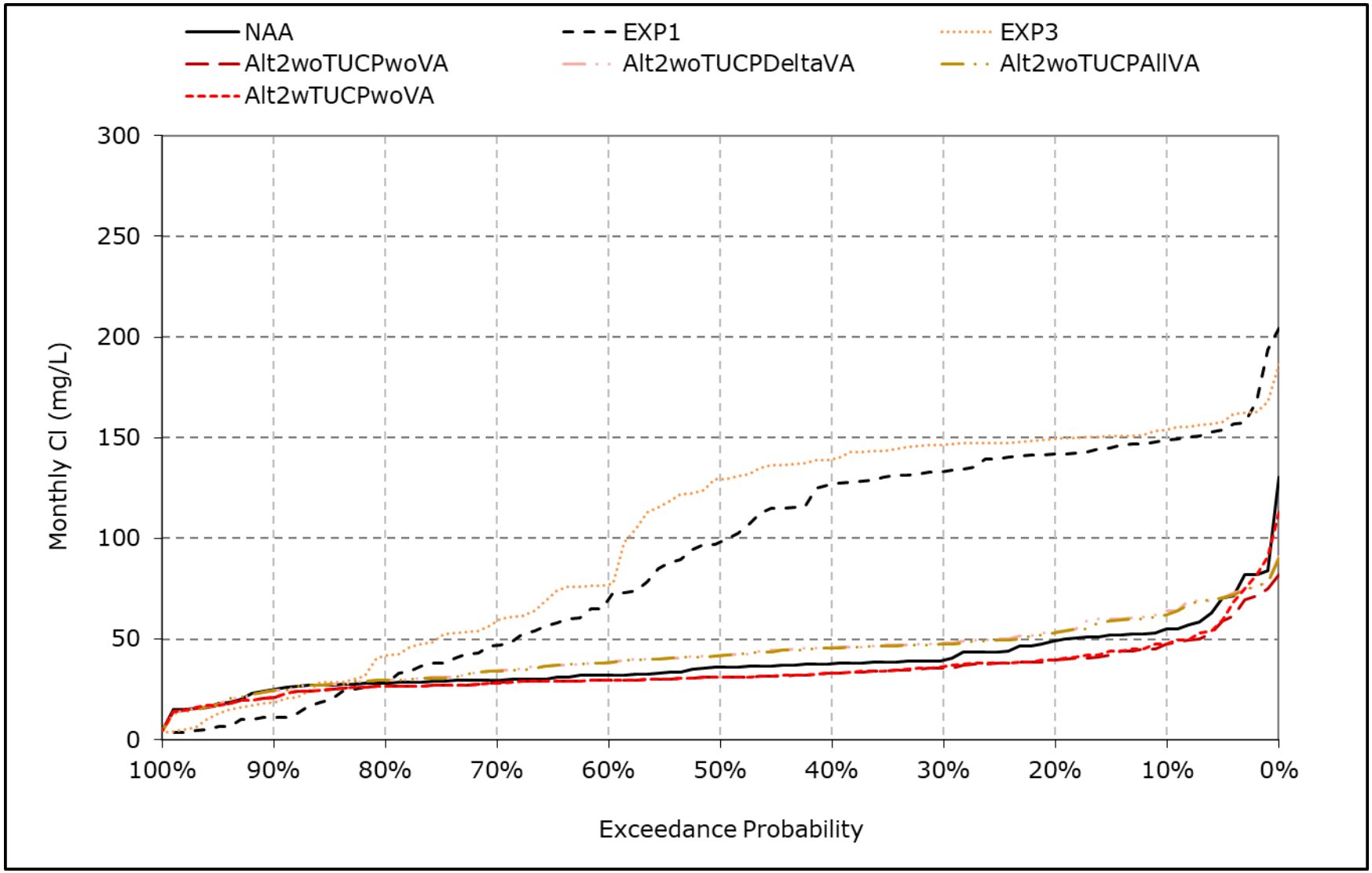
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-1-9. Contra Costa Pumping Plant Chloride, March Cl



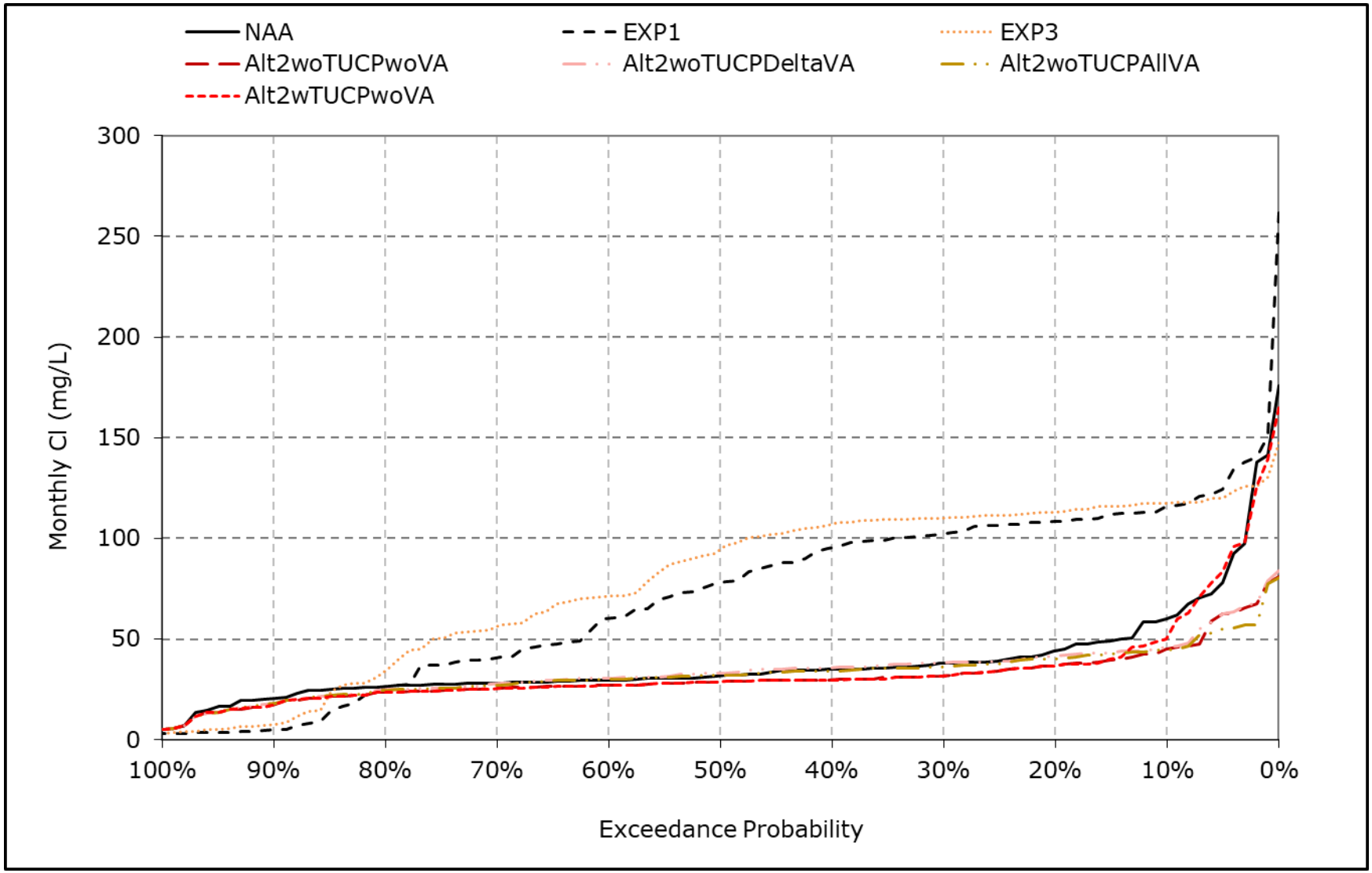
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-1-10. Contra Costa Pumping Plant Chloride, April Cl



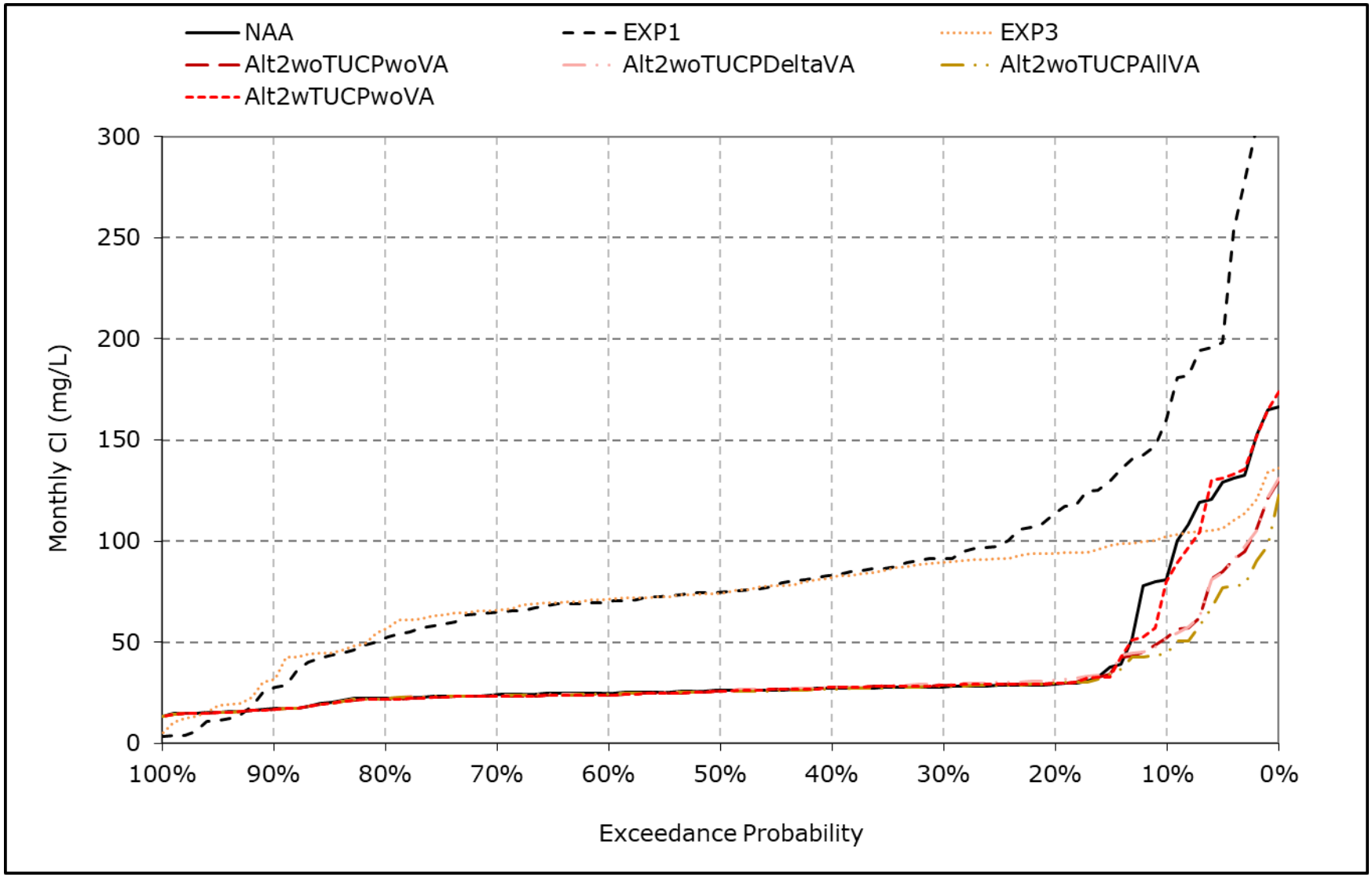
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-1-11. Contra Costa Pumping Plant Chloride, May Cl



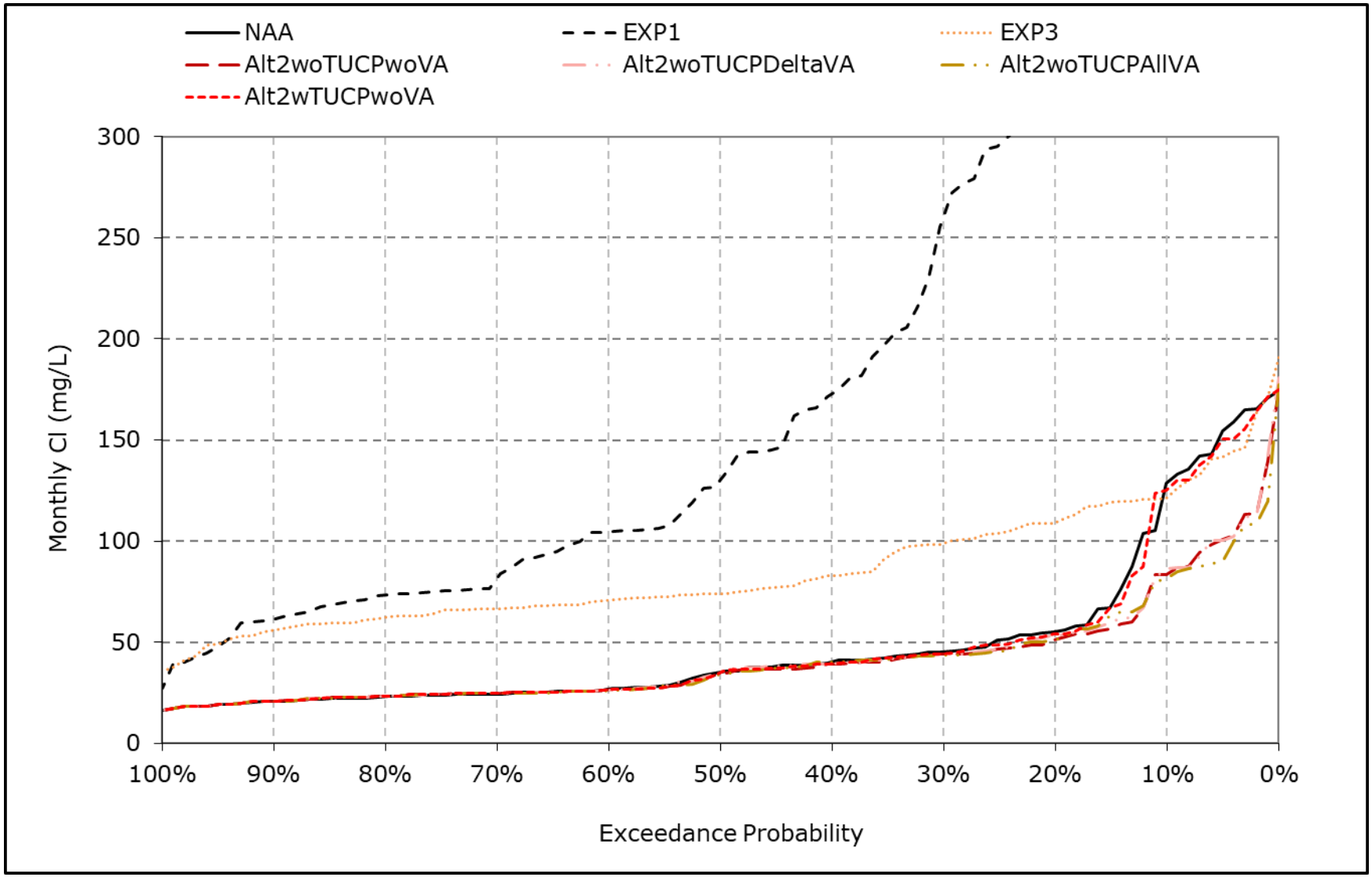
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-1-12. Contra Costa Pumping Plant Chloride, June Cl



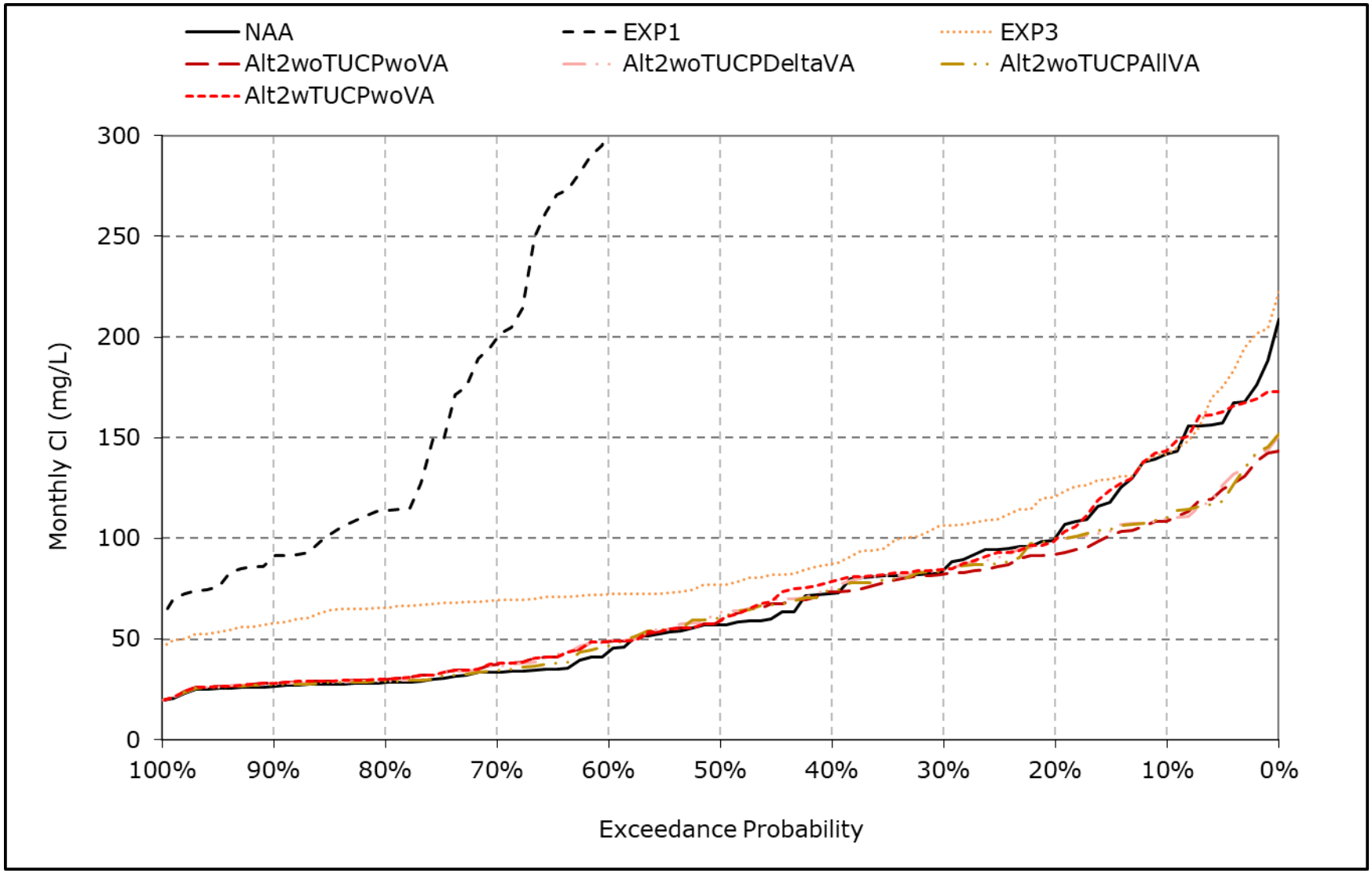
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-1-13. Contra Costa Pumping Plant Chloride, July Cl



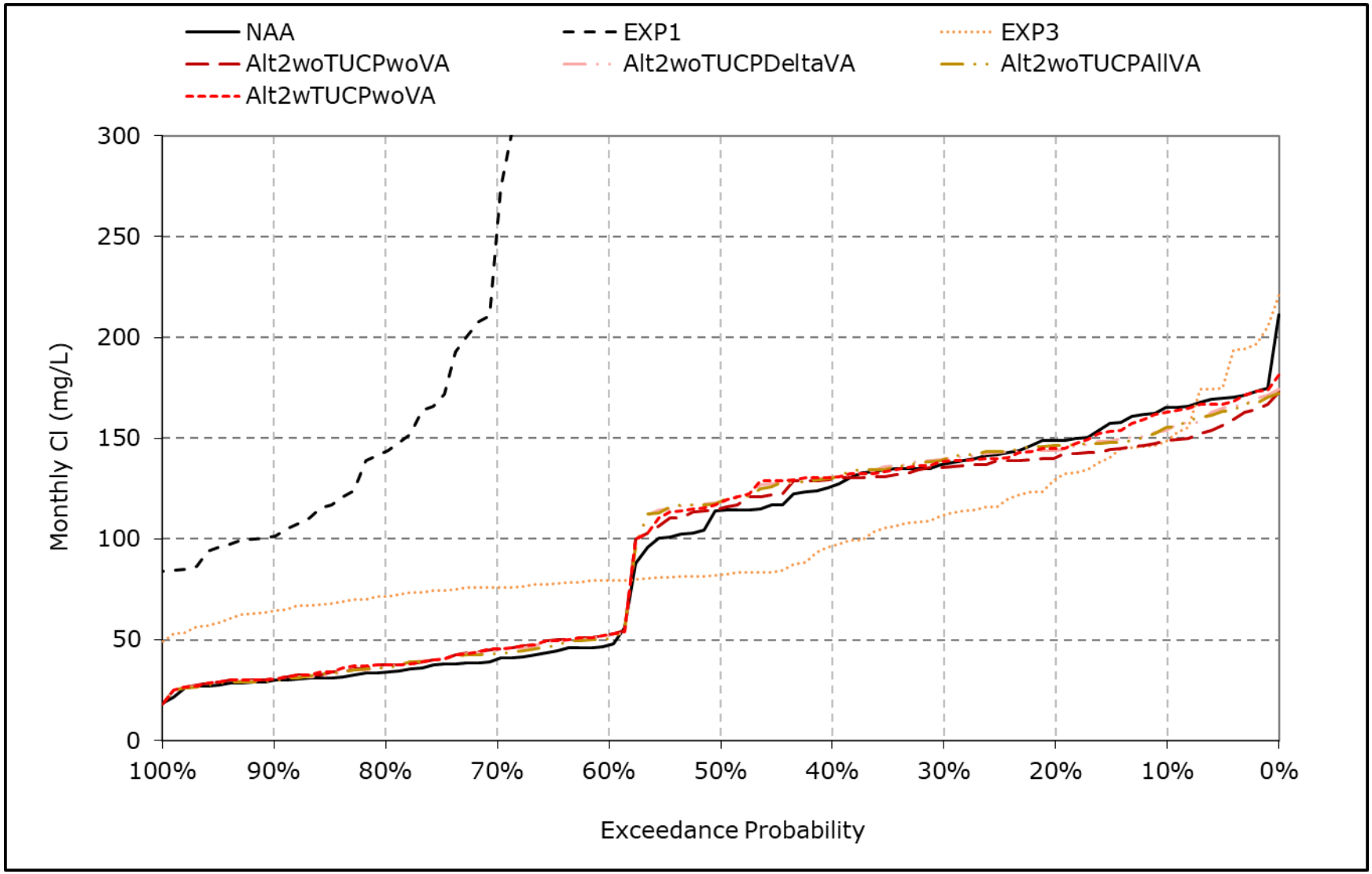
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-1-14. Contra Costa Pumping Plant Chloride, August Cl



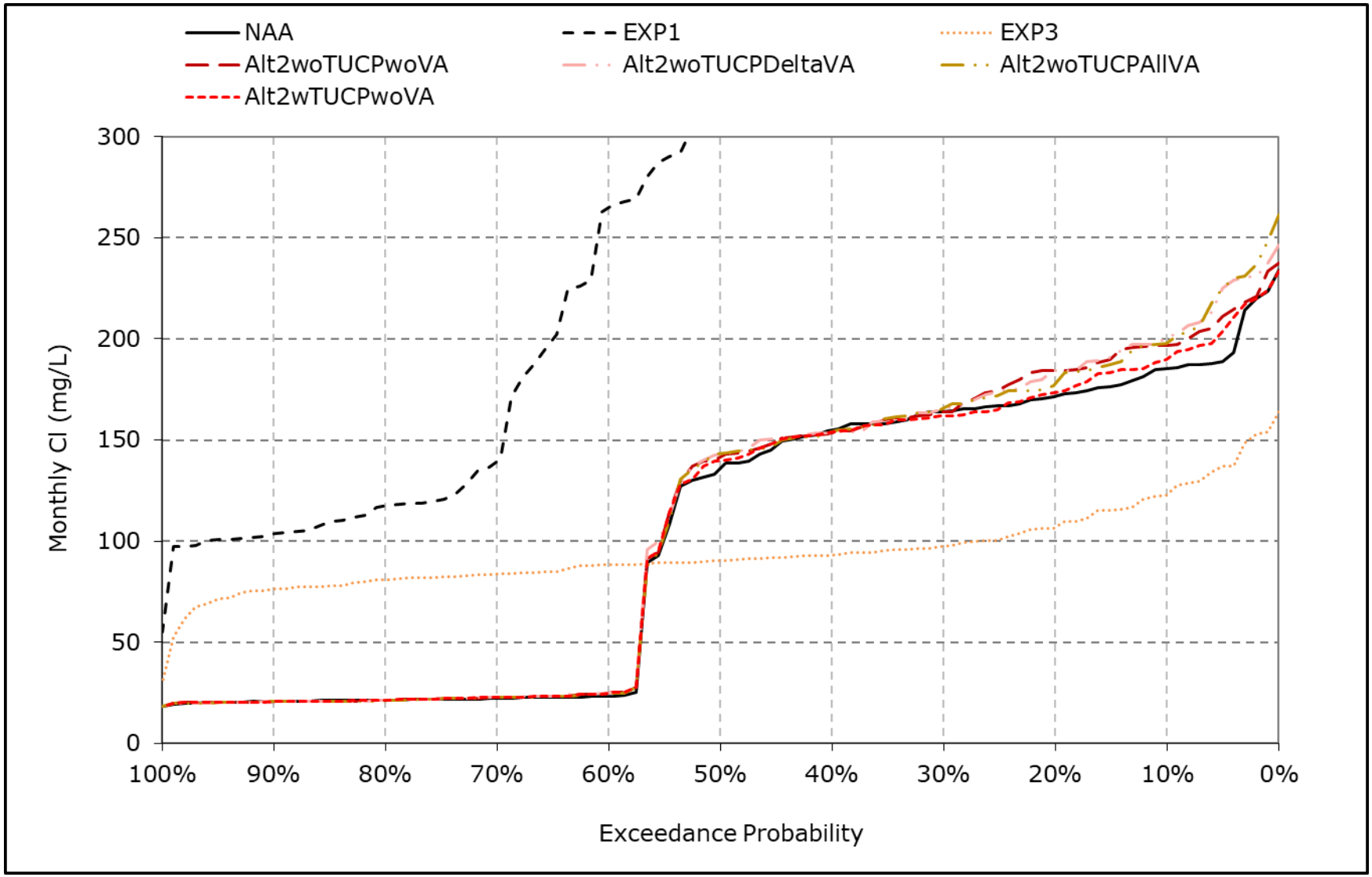
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-1-15. Contra Costa Pumping Plant Chloride, September Cl



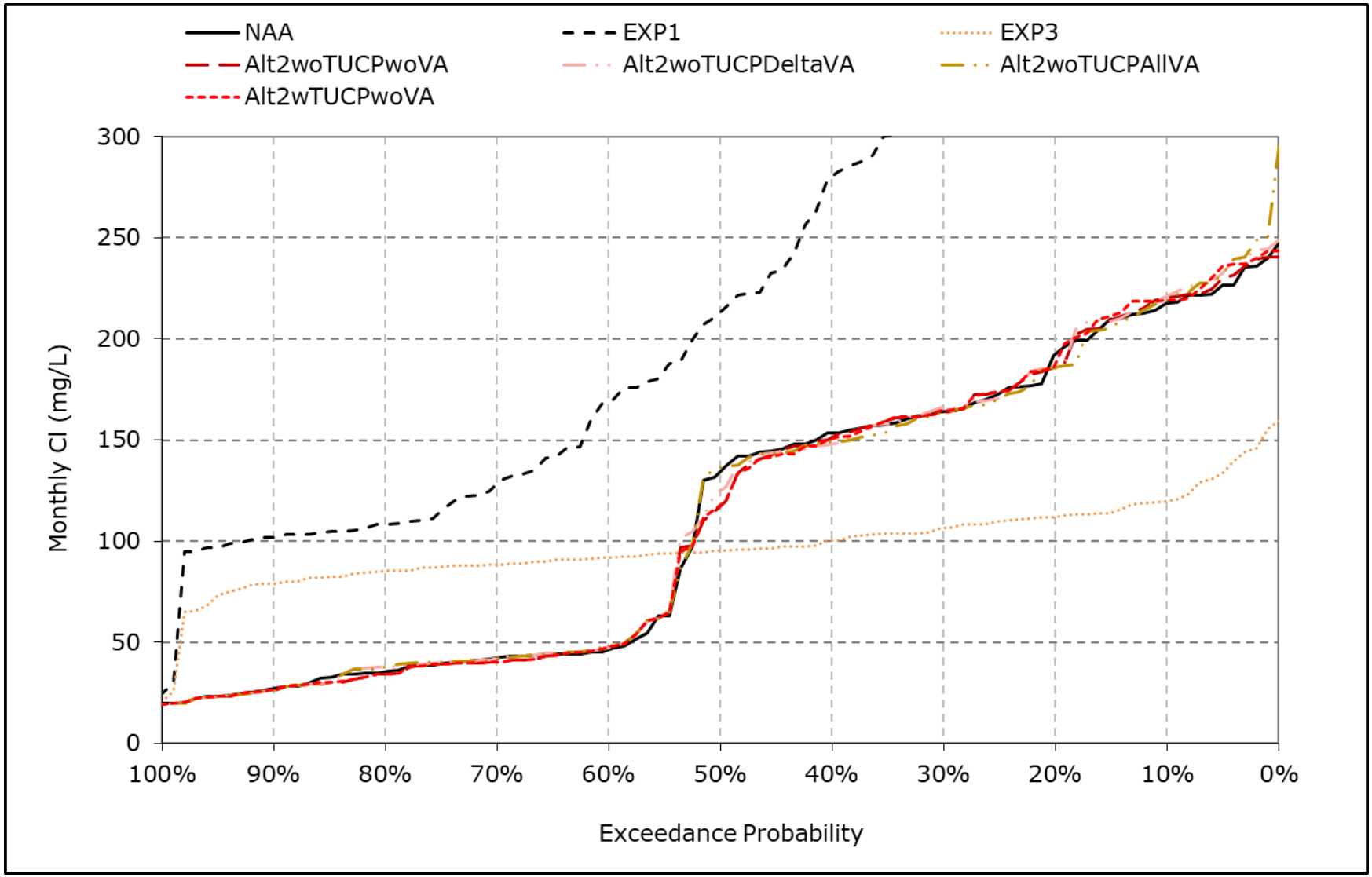
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-1-16. Contra Costa Pumping Plant Chloride, October Cl



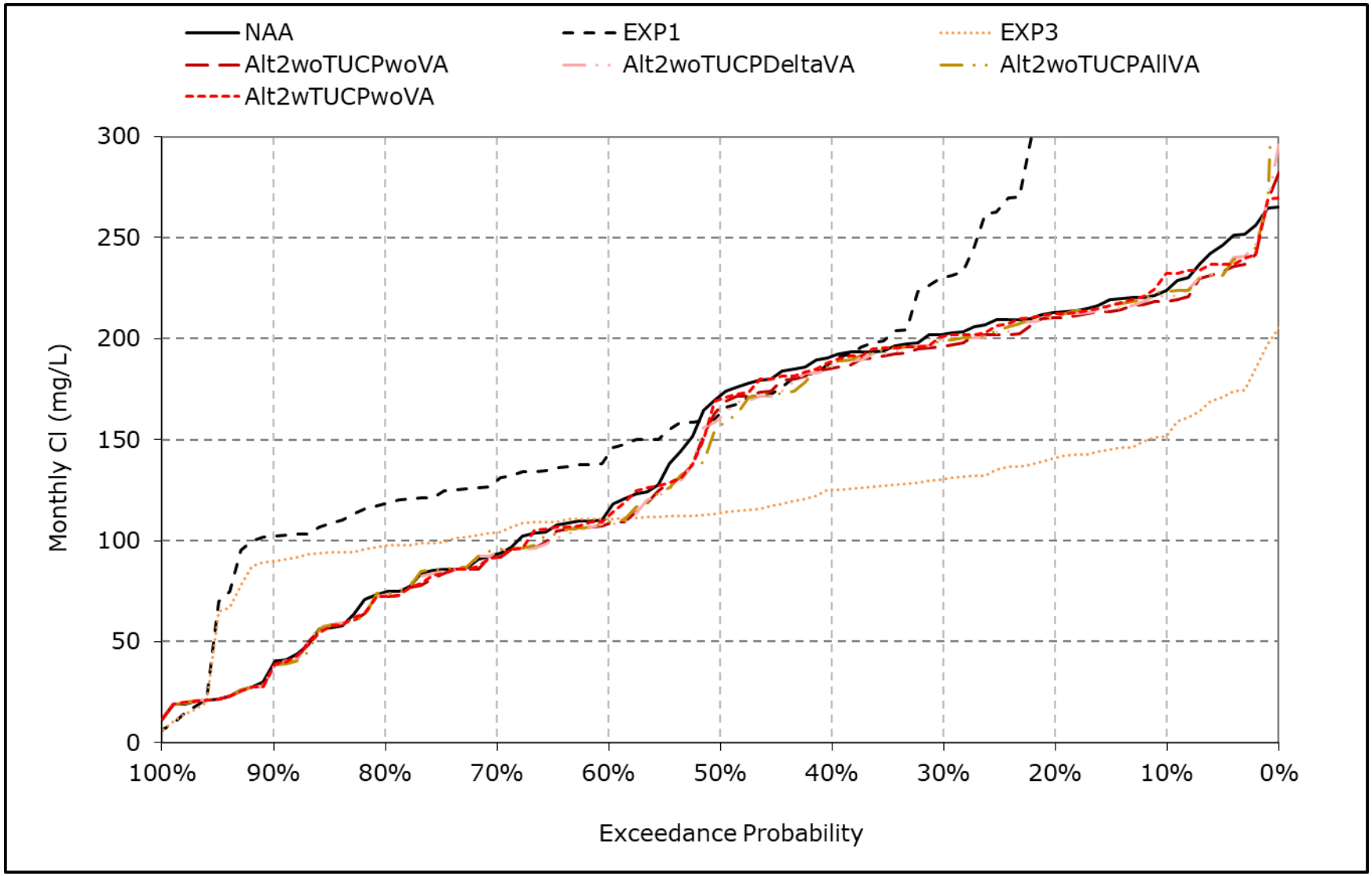
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-1-17. Contra Costa Pumping Plant Chloride, November Cl



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

Figure F.2.7-1-18. Contra Costa Pumping Plant Chloride, December Cl



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

Table F.2.7-2-1a. 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 Water Years (28%)	221	561	564	33	20	20	20	35	114	218	468	310
Above Normal Years (14%)	209	663	635	173	35	21	24	58	179	264	513	310
Below Normal Years (18%)	1,404	1,376	582	271	84	35	58	110	322	527	925	1,405
Dry Water Years (24%)	1,588	1,397	732	569	175	83	95	181	368	725	1,124	1,632
Critical Water Years (16%)	1,938	1,855	1,128	785	366	259	532	918	1,133	1,396	1,572	1,742

Table F.2.7-2-1b. 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	1,991	1,736	1,350	1,022	328	145	259	452	605	958	1,314	1,779
20% Exceedance	1,803	1,648	1,213	645	164	76	144	273	452	785	1,224	1,719
30% Exceedance	1,662	1,582	1,117	343	101	33	76	253	400	701	1,122	1,653
40% Exceedance	1,575	1,455	981	253	46	27	43	203	350	602	1,029	1,573
50% Exceedance	1,336	864	615	143	26	26	29	120	266	489	866	1,409
60% Exceedance	277	777	348	52	24	23	24	63	243	325	617	394
70% Exceedance	251	714	224	24	21	21	22	30	202	302	555	356
80% Exceedance	220	586	152	21	20	20	20	20	104	261	515	327
90% Exceedance	207	288	71	18	18	18	18	16	38	188	487	307
Full Simulation Period Average[a]	1,034	1,079	697	332	117	68	95	195	343	542	863	1,080
Wet Water Years (28%)	223	558	566	29	20	20	20	43	114	227	498	324
Above Normal Years (14%)	203	638	639	171	35	21	24	75	175	279	538	328
Below Normal Years (18%)	1,407	1,320	562	286	80	34	62	146	327	523	893	1,435
Dry Water Years (24%)	1,601	1,401	736	520	150	80	101	203	379	731	1,145	1,658
Critical Water Years (16%)	2,021	1,690	1,099	771	353	212	313	609	854	1,060	1,331	1,792

Table F.2.7-2-1c. 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	133	-109	-11	-46	-30	-78	-120	-290	-577	-420	-254	42
20% Exceedance	51	-46	22	-162	-27	-37	-57	28	-23	-23	17	34
30% Exceedance	-1	-44	-15	-51	-23	-3	-8	42	11	-22	3	26
40% Exceedance	26	5	1	24	1	-1	6	47	3	-29	-16	25
50% Exceedance	-50	-12	-98	17	0	0	1	39	-8	-2	-2	94
60% Exceedance	-4	-16	-14	-6	0	0	0	13	1	7	31	21
70% Exceedance	10	-44	-13	0	0	0	0	2	11	23	26	20
80% Exceedance	-2	-7	-9	0	0	0	0	0	-5	11	29	12
90% Exceedance	-1	3	-12	0	0	0	0	0	-1	7	43	13
Full Simulation Period Average[a]	16	-38	-6	-13	-9	-8	-33	-33	-41	-48	-27	26
Wet Water Years (28%)	2	-3	3	-4	0	0	0	8	0	9	30	13
Above Normal Years (14%)	-6	-25	4	-2	0	0	0	17	-4	15	25	18
Below Normal Years (18%)	3	-56	-21	15	-4	-1	4	36	5	-4	-32	30
Dry Water Years (24%)	13	4	4	-49	-26	-3	6	22	11	6	21	26
Critical Water Years (16%)	84	-165	-29	-15	-13	-47	-219	-309	-278	-336	-242	51

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

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

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

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

Table F.2.7-2-2a. 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 Water Years (28%)	221	561	564	33	20	20	20	35	114	218	468	310
Above Normal Years (14%)	209	663	635	173	35	21	24	58	179	264	513	310
Below Normal Years (18%)	1,404	1,376	582	271	84	35	58	110	322	527	925	1,405
Dry Water Years (24%)	1,588	1,397	732	569	175	83	95	181	368	725	1,124	1,632
Critical Water Years (16%)	1,938	1,855	1,128	785	366	259	532	918	1,133	1,396	1,572	1,742

Table F.2.7-2-2b. 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	1,993	1,751	1,331	1,024	327	158	241	455	600	965	1,343	1,791
20% Exceedance	1,804	1,662	1,207	643	179	69	112	271	469	797	1,233	1,715
30% Exceedance	1,651	1,594	1,090	376	102	33	74	249	414	717	1,140	1,647
40% Exceedance	1,546	1,435	988	242	46	27	37	178	343	614	1,042	1,586
50% Exceedance	1,364	869	618	157	26	25	28	114	269	488	865	1,402
60% Exceedance	277	779	356	58	24	23	25	62	248	326	606	394
70% Exceedance	250	717	223	24	21	22	22	33	204	293	553	358
80% Exceedance	220	587	152	21	20	20	21	20	103	257	517	328
90% Exceedance	204	303	73	18	18	18	18	16	39	189	470	306
Full Simulation Period Average[a]	1,038	1,082	694	337	127	65	89	191	346	544	868	1,082
Wet Water Years (28%)	224	559	562	30	20	20	20	43	116	223	494	324
Above Normal Years (14%)	204	641	623	172	35	22	24	65	179	275	528	328
Below Normal Years (18%)	1,408	1,316	570	289	82	30	53	145	333	525	895	1,432
Dry Water Years (24%)	1,603	1,400	720	529	154	64	84	193	381	742	1,164	1,662
Critical Water Years (16%)	2,041	1,709	1,118	784	405	219	313	609	854	1,068	1,342	1,806

Table F.2.7-2-2c. 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	134	-94	-31	-45	-31	-65	-138	-287	-582	-412	-224	54
20% Exceedance	53	-32	16	-165	-12	-44	-89	26	-5	-11	25	30
30% Exceedance	-12	-33	-41	-18	-22	-3	-9	39	25	-6	21	20
40% Exceedance	-3	-15	7	13	1	-1	0	21	-4	-17	-3	39
50% Exceedance	-22	-7	-95	31	0	0	0	34	-5	-2	-3	87
60% Exceedance	-4	-14	-7	0	0	0	1	12	6	8	20	20
70% Exceedance	8	-40	-14	0	0	1	0	5	13	13	24	22
80% Exceedance	-3	-6	-9	0	0	0	0	0	-6	7	31	12
90% Exceedance	-4	19	-11	0	0	0	0	0	0	8	26	12
Full Simulation Period Average[a]	20	-36	-9	-8	1	-12	-38	-37	-39	-46	-23	29
Wet Water Years (28%)	2	-2	-1	-2	0	0	0	8	2	5	26	13
Above Normal Years (14%)	-5	-23	-11	-2	0	1	0	7	0	11	15	18
Below Normal Years (18%)	4	-59	-12	18	-2	-5	-5	35	11	-2	-29	27
Dry Water Years (24%)	15	3	-12	-40	-21	-19	-10	13	13	17	40	30
Critical Water Years (16%)	103	-146	-10	-1	39	-40	-218	-309	-278	-328	-230	64

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

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

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

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

Table F.2.7-2-3a. 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 Water Years (28%)	221	561	564	33	20	20	20	35	114	218	468	310
Above Normal Years (14%)	209	663	635	173	35	21	24	58	179	264	513	310
Below Normal Years (18%)	1,404	1,376	582	271	84	35	58	110	322	527	925	1,405
Dry Water Years (24%)	1,588	1,397	732	569	175	83	95	181	368	725	1,124	1,632
Critical Water Years (16%)	1,938	1,855	1,128	785	366	259	532	918	1,133	1,396	1,572	1,742

Table F.2.7-2-3b. San Joaquin River at Antioch Chloride, Alt2woTUCPAllVA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,994	1,760	1,286	1,039	343	155	220	409	554	988	1,336	1,786
20% Exceedance	1,763	1,671	1,200	685	180	67	92	230	440	793	1,229	1,705
30% Exceedance	1,653	1,577	1,082	360	107	33	51	198	397	725	1,138	1,652
40% Exceedance	1,563	1,448	980	234	46	27	30	142	329	602	1,040	1,582
50% Exceedance	1,383	870	643	163	26	25	26	74	271	504	849	1,401
60% Exceedance	274	779	338	59	24	23	24	46	245	323	580	386
70% Exceedance	250	716	226	24	21	22	22	28	195	290	546	349
80% Exceedance	221	587	153	21	20	20	21	20	105	249	514	328
90% Exceedance	205	290	75	18	18	18	18	16	39	186	457	305
Full Simulation Period Average[a]	1,034	1,090	691	336	131	64	78	157	327	541	862	1,077
Wet Water Years (28%)	223	559	562	31	20	20	20	41	116	222	491	323
Above Normal Years (14%)	205	640	622	170	35	22	23	48	172	269	514	326
Below Normal Years (18%)	1,413	1,340	559	276	82	30	38	101	320	526	887	1,411
Dry Water Years (24%)	1,591	1,380	716	511	156	63	67	154	360	746	1,166	1,660
Critical Water Years (16%)	2,030	1,768	1,121	819	424	218	286	525	788	1,049	1,331	1,806

Table F.2.7-2-3c. San Joaquin River at Antioch Chloride, Alt2woTUCPAllVA minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	135	-85	-76	-29	-16	-68	-159	-334	-628	-389	-231	49
20% Exceedance	11	-23	9	-122	-12	-46	-109	-15	-35	-15	22	20
30% Exceedance	-10	-49	-49	-34	-17	-3	-33	-13	8	2	19	25
40% Exceedance	14	-2	0	5	1	-1	-7	-15	-17	-29	-4	34
50% Exceedance	-3	-6	-70	37	0	0	-1	-6	-3	14	-19	86
60% Exceedance	-6	-14	-25	1	0	0	0	-4	3	5	-6	12
70% Exceedance	9	-42	-11	0	0	0	0	0	3	10	17	13
80% Exceedance	-1	-6	-7	0	0	0	0	0	-4	-1	28	12
90% Exceedance	-3	5	-9	0	0	0	0	0	0	5	13	11
Full Simulation Period Average[a]	16	-28	-12	-8	4	-12	-50	-71	-58	-49	-29	24
Wet Water Years (28%)	2	-2	-2	-2	0	0	0	6	2	4	23	12
Above Normal Years (14%)	-4	-23	-13	-3	0	1	-1	-10	-7	5	1	16
Below Normal Years (18%)	9	-36	-24	5	-2	-5	-20	-9	-2	-1	-38	6
Dry Water Years (24%)	3	-17	-16	-57	-19	-20	-28	-27	-8	21	42	28
Critical Water Years (16%)	92	-88	-7	34	58	-41	-246	-393	-345	-347	-241	64

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

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

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

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

Table F.2.7-2-4a. 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 Water Years (28%)	221	561	564	33	20	20	20	35	114	218	468	310
Above Normal Years (14%)	209	663	635	173	35	21	24	58	179	264	513	310
Below Normal Years (18%)	1,404	1,376	582	271	84	35	58	110	322	527	925	1,405
Dry Water Years (24%)	1,588	1,397	732	569	175	83	95	181	368	725	1,124	1,632
Critical Water Years (16%)	1,938	1,855	1,128	785	366	259	532	918	1,133	1,396	1,572	1,742

Table F.2.7-2-4b. 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	1,878	1,821	1,352	1,005	326	224	330	701	1,172	1,386	1,452	1,750
20% Exceedance	1,804	1,684	1,221	678	165	117	209	273	474	801	1,244	1,695
30% Exceedance	1,662	1,589	1,167	390	101	37	86	253	410	709	1,121	1,639
40% Exceedance	1,570	1,464	1,008	231	44	27	43	197	353	616	1,022	1,566
50% Exceedance	1,341	864	622	120	26	25	29	120	267	491	866	1,399
60% Exceedance	277	777	351	52	24	23	24	63	243	326	617	395
70% Exceedance	251	713	236	24	21	21	22	30	202	302	555	356
80% Exceedance	220	587	152	21	20	20	20	20	103	261	515	328
90% Exceedance	207	286	70	18	18	18	18	16	38	188	487	307
Full Simulation Period Average[a]	1,023	1,099	703	319	116	76	127	239	382	590	897	1,069
Wet Water Years (28%)	223	558	566	29	20	20	20	43	114	227	498	324
Above Normal Years (14%)	205	639	639	171	35	21	24	75	175	279	539	329
Below Normal Years (18%)	1,400	1,320	571	273	79	34	62	146	326	520	894	1,425
Dry Water Years (24%)	1,601	1,399	751	530	150	80	101	202	379	732	1,145	1,657
Critical Water Years (16%)	1,954	1,826	1,103	692	344	264	517	885	1,101	1,362	1,540	1,741

Table F.2.7-2-4c. 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	20	-25	-9	-63	-32	1	-49	-41	-10	8	-116	13
20% Exceedance	53	-10	30	-130	-26	4	8	28	-1	-7	37	10
30% Exceedance	-1	-38	35	-4	-24	1	3	42	21	-15	2	12
40% Exceedance	20	13	28	2	-1	-1	6	40	7	-15	-23	19
50% Exceedance	-45	-12	-91	-6	0	0	1	40	-6	1	-2	84
60% Exceedance	-3	-16	-11	-6	0	0	0	13	1	8	31	21
70% Exceedance	10	-45	-1	0	0	0	0	2	11	23	26	21
80% Exceedance	-3	-6	-9	0	0	0	0	0	-5	11	29	12
90% Exceedance	-1	2	-14	0	0	0	0	0	-1	7	43	13
Full Simulation Period Average[a]	5	-19	0	-25	-11	0	0	11	-2	0	6	16
Wet Water Years (28%)	2	-3	2	-4	0	0	0	8	0	9	30	13
Above Normal Years (14%)	-4	-25	5	-2	0	0	0	17	-5	15	25	19
Below Normal Years (18%)	-4	-56	-12	2	-5	-1	4	36	4	-6	-30	20
Dry Water Years (24%)	13	2	19	-39	-25	-3	6	22	11	7	21	25
Critical Water Years (16%)	16	-30	-25	-94	-23	5	-15	-33	-31	-34	-32	-1

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

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

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

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

Table F.2.7-2-5a. 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 Water Years (28%)	221	561	564	33	20	20	20	35	114	218	468	310
Above Normal Years (14%)	209	663	635	173	35	21	24	58	179	264	513	310
Below Normal Years (18%)	1,404	1,376	582	271	84	35	58	110	322	527	925	1,405
Dry Water Years (24%)	1,588	1,397	732	569	175	83	95	181	368	725	1,124	1,632
Critical Water Years (16%)	1,938	1,855	1,128	785	366	259	532	918	1,133	1,396	1,572	1,742

Table F.2.7-2-5b. San Joaquin River at Antioch Chloride, EXP3, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	772	712	382	115	64	80	245	441	913	1,199	1,359	1,106
20% Exceedance	557	434	195	71	53	60	125	321	783	1,067	1,208	908
30% Exceedance	447	322	128	51	46	45	87	226	706	923	1,107	781
40% Exceedance	345	238	54	45	40	41	55	112	486	756	922	635
50% Exceedance	291	176	34	33	37	37	42	66	301	528	771	574
60% Exceedance	225	125	29	30	35	35	36	37	195	418	666	462
70% Exceedance	181	92	28	28	30	31	30	31	104	297	563	352
80% Exceedance	144	59	27	26	26	28	26	25	37	197	436	264
90% Exceedance	107	45	23	22	21	21	20	14	19	142	273	136
Full Simulation Period Average[a]	359	281	132	78	53	49	92	170	412	635	818	595
Wet Water Years (28%)	161	96	37	27	28	27	24	24	76	198	369	251
Above Normal Years (14%)	221	164	43	36	37	35	36	50	192	331	546	405
Below Normal Years (18%)	306	225	111	36	40	39	60	128	428	615	784	546
Dry Water Years (24%)	436	320	187	78	47	48	90	209	590	884	1,086	781
Critical Water Years (16%)	809	748	332	252	132	112	297	517	910	1,316	1,480	1,143

Table F.2.7-2-5c. San Joaquin River at Antioch Chloride, EXP3 minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,086	-1,133	-979	-954	-295	-143	-134	-301	-269	-179	-208	-631
20% Exceedance	-1,195	-1,259	-996	-737	-139	-53	-76	75	309	259	1	-777
30% Exceedance	-1,216	-1,304	-1,004	-343	-78	9	3	15	317	200	-12	-845
40% Exceedance	-1,204	-1,212	-926	-185	-5	13	18	-45	140	125	-123	-913
50% Exceedance	-1,094	-700	-679	-93	12	11	14	-14	27	38	-96	-741
60% Exceedance	-55	-668	-333	-29	11	12	12	-12	-47	100	80	88
70% Exceedance	-61	-666	-209	4	9	10	8	3	-88	18	34	17
80% Exceedance	-79	-533	-134	5	6	9	5	5	-72	-53	-49	-52
90% Exceedance	-101	-239	-61	4	3	2	1	-2	-20	-39	-171	-158
Full Simulation Period Average[a]	-658	-837	-571	-266	-74	-27	-35	-58	28	45	-72	-458
Wet Water Years (28%)	-60	-465	-527	-6	8	7	4	-11	-38	-20	-99	-59
Above Normal Years (14%)	13	-499	-591	-137	2	13	12	-8	13	67	33	94
Below Normal Years (18%)	-1,098	-1,151	-471	-235	-44	4	2	17	106	88	-141	-859
Dry Water Years (24%)	-1,152	-1,077	-545	-491	-128	-35	-4	29	222	159	-38	-851
Critical Water Years (16%)	-1,129	-1,107	-796	-533	-235	-147	-235	-401	-223	-80	-92	-599

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

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

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

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

Table F.2.7-2-6a. San Joaquin River at Antioch Chloride, EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,326	3,324	1,314	228	68	62	99	598	2,026	3,459	4,252	3,954
20% Exceedance	2,893	1,947	625	116	54	46	53	264	1,481	3,139	4,123	3,709
30% Exceedance	2,193	1,140	439	85	46	42	43	123	1,018	2,769	3,829	3,454
40% Exceedance	1,483	727	244	64	43	38	36	79	696	2,309	3,619	3,147
50% Exceedance	1,071	565	117	49	37	35	32	37	447	1,907	3,421	2,785
60% Exceedance	656	362	78	36	35	33	29	29	224	1,462	3,007	2,065
70% Exceedance	392	266	51	32	31	29	27	26	95	986	2,446	1,372
80% Exceedance	307	146	39	27	26	27	23	23	29	548	1,454	898
90% Exceedance	217	83	28	24	21	20	17	11	16	292	896	538
Full Simulation Period Average[a]	1,495	1,093	448	162	73	45	67	204	752	1,893	2,931	2,397
Wet Water Years (28%)	383	277	137	31	27	24	20	23	101	688	1,531	928
Above Normal Years (14%)	736	436	142	51	36	32	28	35	257	1,359	2,593	1,779
Below Normal Years (18%)	1,485	878	337	73	42	37	35	115	715	2,121	3,379	2,632
Dry Water Years (24%)	2,044	1,359	625	105	46	42	48	191	1,011	2,521	3,702	3,284
Critical Water Years (16%)	3,466	3,107	1,183	673	262	109	249	788	1,978	3,271	4,017	3,916

Table F.2.7-2-6b. 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	1,991	1,736	1,350	1,022	328	145	259	452	605	958	1,314	1,779
20% Exceedance	1,803	1,648	1,213	645	164	76	144	273	452	785	1,224	1,719
30% Exceedance	1,662	1,582	1,117	343	101	33	76	253	400	701	1,122	1,653
40% Exceedance	1,575	1,455	981	253	46	27	43	203	350	602	1,029	1,573
50% Exceedance	1,336	864	615	143	26	26	29	120	266	489	866	1,409
60% Exceedance	277	777	348	52	24	23	24	63	243	325	617	394
70% Exceedance	251	714	224	24	21	21	22	30	202	302	555	356
80% Exceedance	220	586	152	21	20	20	20	20	104	261	515	327
90% Exceedance	207	288	71	18	18	18	18	16	38	188	487	307
Full Simulation Period Average[a]	1,034	1,079	697	332	117	68	95	195	343	542	863	1,080
Wet Water Years (28%)	223	558	566	29	20	20	20	43	114	227	498	324
Above Normal Years (14%)	203	638	639	171	35	21	24	75	175	279	538	328
Below Normal Years (18%)	1,407	1,320	562	286	80	34	62	146	327	523	893	1,435
Dry Water Years (24%)	1,601	1,401	736	520	150	80	101	203	379	731	1,145	1,658
Critical Water Years (16%)	2,021	1,690	1,099	771	353	212	313	609	854	1,060	1,331	1,792

Table F.2.7-2-6c. San Joaquin River at Antioch Chloride, Alt2woTUCPwoVA minus EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,335	-1,588	36	794	260	83	160	-146	-1,420	-2,502	-2,938	-2,175
20% Exceedance	-1,090	-299	589	529	110	30	90	9	-1,030	-2,354	-2,898	-1,990
30% Exceedance	-530	443	677	258	55	-8	32	129	-619	-2,069	-2,707	-1,801
40% Exceedance	92	728	737	189	4	-10	7	124	-347	-1,707	-2,590	-1,574
50% Exceedance	265	299	498	94	-11	-10	-4	83	-181	-1,418	-2,555	-1,377
60% Exceedance	-380	416	270	16	-11	-10	-6	34	18	-1,136	-2,391	-1,671
70% Exceedance	-141	447	172	-9	-9	-8	-6	4	107	-684	-1,891	-1,015
80% Exceedance	-86	440	113	-6	-6	-7	-3	-3	75	-286	-939	-570
90% Exceedance	-10	204	43	-6	-3	-1	2	5	22	-104	-409	-231
Full Simulation Period Average[a]	-462	-14	249	170	44	22	27	-9	-409	-1,351	-2,068	-1,318
Wet Water Years (28%)	-160	281	429	-2	-7	-4	0	20	13	-461	-1,034	-604
Above Normal Years (14%)	-533	202	497	120	-1	-11	-4	40	-82	-1,080	-2,055	-1,451
Below Normal Years (18%)	-77	442	224	213	38	-3	27	31	-388	-1,599	-2,486	-1,197
Dry Water Years (24%)	-443	42	111	414	104	38	53	12	-632	-1,789	-2,557	-1,627
Critical Water Years (16%)	-1,444	-1,417	-84	98	91	103	64	-179	-1,124	-2,211	-2,686	-2,123

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

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

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

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

Table F.2.7-2-7a. San Joaquin River at Antioch Chloride, EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,326	3,324	1,314	228	68	62	99	598	2,026	3,459	4,252	3,954
20% Exceedance	2,893	1,947	625	116	54	46	53	264	1,481	3,139	4,123	3,709
30% Exceedance	2,193	1,140	439	85	46	42	43	123	1,018	2,769	3,829	3,454
40% Exceedance	1,483	727	244	64	43	38	36	79	696	2,309	3,619	3,147
50% Exceedance	1,071	565	117	49	37	35	32	37	447	1,907	3,421	2,785
60% Exceedance	656	362	78	36	35	33	29	29	224	1,462	3,007	2,065
70% Exceedance	392	266	51	32	31	29	27	26	95	986	2,446	1,372
80% Exceedance	307	146	39	27	26	27	23	23	29	548	1,454	898
90% Exceedance	217	83	28	24	21	20	17	11	16	292	896	538
Full Simulation Period Average[a]	1,495	1,093	448	162	73	45	67	204	752	1,893	2,931	2,397
Wet Water Years (28%)	383	277	137	31	27	24	20	23	101	688	1,531	928
Above Normal Years (14%)	736	436	142	51	36	32	28	35	257	1,359	2,593	1,779
Below Normal Years (18%)	1,485	878	337	73	42	37	35	115	715	2,121	3,379	2,632
Dry Water Years (24%)	2,044	1,359	625	105	46	42	48	191	1,011	2,521	3,702	3,284
Critical Water Years (16%)	3,466	3,107	1,183	673	262	109	249	788	1,978	3,271	4,017	3,916

Table F.2.7-2-7b. 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	1,993	1,751	1,331	1,024	327	158	241	455	600	965	1,343	1,791
20% Exceedance	1,804	1,662	1,207	643	179	69	112	271	469	797	1,233	1,715
30% Exceedance	1,651	1,594	1,090	376	102	33	74	249	414	717	1,140	1,647
40% Exceedance	1,546	1,435	988	242	46	27	37	178	343	614	1,042	1,586
50% Exceedance	1,364	869	618	157	26	25	28	114	269	488	865	1,402
60% Exceedance	277	779	356	58	24	23	25	62	248	326	606	394
70% Exceedance	250	717	223	24	21	22	22	33	204	293	553	358
80% Exceedance	220	587	152	21	20	20	21	20	103	257	517	328
90% Exceedance	204	303	73	18	18	18	18	16	39	189	470	306
Full Simulation Period Average[a]	1,038	1,082	694	337	127	65	89	191	346	544	868	1,082
Wet Water Years (28%)	224	559	562	30	20	20	20	43	116	223	494	324
Above Normal Years (14%)	204	641	623	172	35	22	24	65	179	275	528	328
Below Normal Years (18%)	1,408	1,316	570	289	82	30	53	145	333	525	895	1,432
Dry Water Years (24%)	1,603	1,400	720	529	154	64	84	193	381	742	1,164	1,662
Critical Water Years (16%)	2,041	1,709	1,118	784	405	219	313	609	854	1,068	1,342	1,806

Table F.2.7-2-7c. San Joaquin River at Antioch Chloride, Alt2woTUCPDeltaVA minus EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,333	-1,573	17	796	259	96	142	-143	-1,426	-2,494	-2,909	-2,163
20% Exceedance	-1,089	-286	582	526	125	23	58	8	-1,012	-2,342	-2,890	-1,994
30% Exceedance	-542	454	651	291	57	-8	31	126	-604	-2,052	-2,689	-1,807
40% Exceedance	63	708	744	178	4	-11	1	98	-353	-1,695	-2,577	-1,560
50% Exceedance	293	304	501	108	-11	-10	-4	77	-178	-1,419	-2,557	-1,383
60% Exceedance	-380	417	278	22	-11	-10	-5	33	23	-1,136	-2,401	-1,672
70% Exceedance	-142	451	171	-8	-9	-8	-5	7	109	-694	-1,894	-1,014
80% Exceedance	-87	440	113	-6	-6	-7	-2	-2	74	-291	-938	-570
90% Exceedance	-13	220	45	-6	-3	-1	2	5	22	-104	-426	-232
Full Simulation Period Average[a]	-458	-11	246	175	54	19	22	-13	-406	-1,349	-2,064	-1,315
Wet Water Years (28%)	-159	282	425	0	-7	-4	0	20	16	-465	-1,037	-604
Above Normal Years (14%)	-531	205	481	120	-1	-10	-4	30	-77	-1,084	-2,065	-1,451
Below Normal Years (18%)	-76	438	233	216	40	-7	17	30	-382	-1,596	-2,484	-1,200
Dry Water Years (24%)	-441	41	95	423	108	22	36	2	-630	-1,779	-2,538	-1,623
Critical Water Years (16%)	-1,425	-1,398	-65	112	143	110	64	-179	-1,123	-2,203	-2,674	-2,110

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

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

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

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

Table F.2.7-2-8a. San Joaquin River at Antioch Chloride, EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,326	3,324	1,314	228	68	62	99	598	2,026	3,459	4,252	3,954
20% Exceedance	2,893	1,947	625	116	54	46	53	264	1,481	3,139	4,123	3,709
30% Exceedance	2,193	1,140	439	85	46	42	43	123	1,018	2,769	3,829	3,454
40% Exceedance	1,483	727	244	64	43	38	36	79	696	2,309	3,619	3,147
50% Exceedance	1,071	565	117	49	37	35	32	37	447	1,907	3,421	2,785
60% Exceedance	656	362	78	36	35	33	29	29	224	1,462	3,007	2,065
70% Exceedance	392	266	51	32	31	29	27	26	95	986	2,446	1,372
80% Exceedance	307	146	39	27	26	27	23	23	29	548	1,454	898
90% Exceedance	217	83	28	24	21	20	17	11	16	292	896	538
Full Simulation Period Average[a]	1,495	1,093	448	162	73	45	67	204	752	1,893	2,931	2,397
Wet Water Years (28%)	383	277	137	31	27	24	20	23	101	688	1,531	928
Above Normal Years (14%)	736	436	142	51	36	32	28	35	257	1,359	2,593	1,779
Below Normal Years (18%)	1,485	878	337	73	42	37	35	115	715	2,121	3,379	2,632
Dry Water Years (24%)	2,044	1,359	625	105	46	42	48	191	1,011	2,521	3,702	3,284
Critical Water Years (16%)	3,466	3,107	1,183	673	262	109	249	788	1,978	3,271	4,017	3,916

Table F.2.7-2-8b. San Joaquin River at Antioch Chloride, Alt2woTUCPAllVA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,994	1,760	1,286	1,039	343	155	220	409	554	988	1,336	1,786
20% Exceedance	1,763	1,671	1,200	685	180	67	92	230	440	793	1,229	1,705
30% Exceedance	1,653	1,577	1,082	360	107	33	51	198	397	725	1,138	1,652
40% Exceedance	1,563	1,448	980	234	46	27	30	142	329	602	1,040	1,582
50% Exceedance	1,383	870	643	163	26	25	26	74	271	504	849	1,401
60% Exceedance	274	779	338	59	24	23	24	46	245	323	580	386
70% Exceedance	250	716	226	24	21	22	22	28	195	290	546	349
80% Exceedance	221	587	153	21	20	20	21	20	105	249	514	328
90% Exceedance	205	290	75	18	18	18	18	16	39	186	457	305
Full Simulation Period Average[a]	1,034	1,090	691	336	131	64	78	157	327	541	862	1,077
Wet Water Years (28%)	223	559	562	31	20	20	20	41	116	222	491	323
Above Normal Years (14%)	205	640	622	170	35	22	23	48	172	269	514	326
Below Normal Years (18%)	1,413	1,340	559	276	82	30	38	101	320	526	887	1,411
Dry Water Years (24%)	1,591	1,380	716	511	156	63	67	154	360	746	1,166	1,660
Critical Water Years (16%)	2,030	1,768	1,121	819	424	218	286	525	788	1,049	1,331	1,806

Table F.2.7-2-8c. San Joaquin River at Antioch Chloride, Alt2woTUCPAllVA minus EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,332	-1,564	-28	812	275	93	121	-189	-1,471	-2,471	-2,915	-2,168
20% Exceedance	-1,130	-276	575	569	125	21	39	-33	-1,041	-2,346	-2,893	-2,004
30% Exceedance	-539	438	643	275	61	-9	7	75	-622	-2,045	-2,691	-1,802
40% Exceedance	80	721	737	170	4	-11	-6	62	-367	-1,707	-2,579	-1,565
50% Exceedance	312	305	526	114	-11	-10	-6	37	-176	-1,402	-2,573	-1,384
60% Exceedance	-382	417	260	23	-11	-9	-6	17	21	-1,139	-2,427	-1,680
70% Exceedance	-142	450	175	-8	-9	-8	-6	3	100	-697	-1,900	-1,023
80% Exceedance	-86	441	114	-6	-6	-7	-2	-3	77	-298	-940	-570
90% Exceedance	-12	206	47	-6	-3	-1	1	5	22	-106	-439	-233
Full Simulation Period Average[a]	-462	-3	243	174	57	19	10	-46	-425	-1,352	-2,069	-1,320
Wet Water Years (28%)	-160	282	425	1	-7	-4	0	19	15	-466	-1,040	-605
Above Normal Years (14%)	-531	204	480	119	-1	-10	-5	13	-84	-1,090	-2,080	-1,453
Below Normal Years (18%)	-72	462	222	203	40	-7	2	-14	-395	-1,595	-2,493	-1,221
Dry Water Years (24%)	-454	21	91	406	110	21	19	-37	-652	-1,775	-2,536	-1,625
Critical Water Years (16%)	-1,436	-1,339	-61	147	162	109	37	-263	-1,190	-2,222	-2,685	-2,110

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

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

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

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

Table F.2.7-2-9a. San Joaquin River at Antioch Chloride, EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,326	3,324	1,314	228	68	62	99	598	2,026	3,459	4,252	3,954
20% Exceedance	2,893	1,947	625	116	54	46	53	264	1,481	3,139	4,123	3,709
30% Exceedance	2,193	1,140	439	85	46	42	43	123	1,018	2,769	3,829	3,454
40% Exceedance	1,483	727	244	64	43	38	36	79	696	2,309	3,619	3,147
50% Exceedance	1,071	565	117	49	37	35	32	37	447	1,907	3,421	2,785
60% Exceedance	656	362	78	36	35	33	29	29	224	1,462	3,007	2,065
70% Exceedance	392	266	51	32	31	29	27	26	95	986	2,446	1,372
80% Exceedance	307	146	39	27	26	27	23	23	29	548	1,454	898
90% Exceedance	217	83	28	24	21	20	17	11	16	292	896	538
Full Simulation Period Average[a]	1,495	1,093	448	162	73	45	67	204	752	1,893	2,931	2,397
Wet Water Years (28%)	383	277	137	31	27	24	20	23	101	688	1,531	928
Above Normal Years (14%)	736	436	142	51	36	32	28	35	257	1,359	2,593	1,779
Below Normal Years (18%)	1,485	878	337	73	42	37	35	115	715	2,121	3,379	2,632
Dry Water Years (24%)	2,044	1,359	625	105	46	42	48	191	1,011	2,521	3,702	3,284
Critical Water Years (16%)	3,466	3,107	1,183	673	262	109	249	788	1,978	3,271	4,017	3,916

Table F.2.7-2-9b. 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	1,878	1,821	1,352	1,005	326	224	330	701	1,172	1,386	1,452	1,750
20% Exceedance	1,804	1,684	1,221	678	165	117	209	273	474	801	1,244	1,695
30% Exceedance	1,662	1,589	1,167	390	101	37	86	253	410	709	1,121	1,639
40% Exceedance	1,570	1,464	1,008	231	44	27	43	197	353	616	1,022	1,566
50% Exceedance	1,341	864	622	120	26	25	29	120	267	491	866	1,399
60% Exceedance	277	777	351	52	24	23	24	63	243	326	617	395
70% Exceedance	251	713	236	24	21	21	22	30	202	302	555	356
80% Exceedance	220	587	152	21	20	20	20	20	103	261	515	328
90% Exceedance	207	286	70	18	18	18	18	16	38	188	487	307
Full Simulation Period Average[a]	1,023	1,099	703	319	116	76	127	239	382	590	897	1,069
Wet Water Years (28%)	223	558	566	29	20	20	20	43	114	227	498	324
Above Normal Years (14%)	205	639	639	171	35	21	24	75	175	279	539	329
Below Normal Years (18%)	1,400	1,320	571	273	79	34	62	146	326	520	894	1,425
Dry Water Years (24%)	1,601	1,399	751	530	150	80	101	202	379	732	1,145	1,657
Critical Water Years (16%)	1,954	1,826	1,103	692	344	264	517	885	1,101	1,362	1,540	1,741

Table F.2.7-2-9c. San Joaquin River at Antioch Chloride, Alt2wTUCPwoVA minus EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,448	-1,503	38	778	258	162	231	103	-853	-2,074	-2,800	-2,204
20% Exceedance	-1,089	-263	596	561	111	71	155	9	-1,008	-2,337	-2,878	-2,014
30% Exceedance	-531	449	728	305	55	-5	43	129	-608	-2,061	-2,708	-1,815
40% Exceedance	87	736	764	167	2	-10	7	118	-343	-1,693	-2,597	-1,580
50% Exceedance	269	300	504	71	-11	-10	-4	83	-180	-1,416	-2,556	-1,387
60% Exceedance	-379	416	274	16	-11	-10	-6	34	18	-1,136	-2,391	-1,671
70% Exceedance	-141	447	184	-9	-9	-8	-6	4	107	-684	-1,891	-1,015
80% Exceedance	-87	441	113	-6	-6	-7	-3	-3	75	-287	-939	-570
90% Exceedance	-10	203	42	-6	-3	-1	2	5	21	-104	-409	-231
Full Simulation Period Average[a]	-473	6	255	157	42	31	60	35	-370	-1,303	-2,034	-1,328
Wet Water Years (28%)	-160	281	428	-1	-7	-4	0	20	13	-461	-1,034	-604
Above Normal Years (14%)	-531	203	497	120	-2	-11	-4	40	-82	-1,079	-2,055	-1,450
Below Normal Years (18%)	-85	442	233	201	37	-3	27	31	-389	-1,601	-2,485	-1,207
Dry Water Years (24%)	-443	40	126	425	104	38	53	12	-632	-1,788	-2,557	-1,627
Critical Water Years (16%)	-1,512	-1,281	-80	19	81	155	267	97	-876	-1,909	-2,477	-2,175

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

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

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

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

Table F.2.7-2-10a. San Joaquin River at Antioch Chloride, EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,326	3,324	1,314	228	68	62	99	598	2,026	3,459	4,252	3,954
20% Exceedance	2,893	1,947	625	116	54	46	53	264	1,481	3,139	4,123	3,709
30% Exceedance	2,193	1,140	439	85	46	42	43	123	1,018	2,769	3,829	3,454
40% Exceedance	1,483	727	244	64	43	38	36	79	696	2,309	3,619	3,147
50% Exceedance	1,071	565	117	49	37	35	32	37	447	1,907	3,421	2,785
60% Exceedance	656	362	78	36	35	33	29	29	224	1,462	3,007	2,065
70% Exceedance	392	266	51	32	31	29	27	26	95	986	2,446	1,372
80% Exceedance	307	146	39	27	26	27	23	23	29	548	1,454	898
90% Exceedance	217	83	28	24	21	20	17	11	16	292	896	538
Full Simulation Period Average[a]	1,495	1,093	448	162	73	45	67	204	752	1,893	2,931	2,397
Wet Water Years (28%)	383	277	137	31	27	24	20	23	101	688	1,531	928
Above Normal Years (14%)	736	436	142	51	36	32	28	35	257	1,359	2,593	1,779
Below Normal Years (18%)	1,485	878	337	73	42	37	35	115	715	2,121	3,379	2,632
Dry Water Years (24%)	2,044	1,359	625	105	46	42	48	191	1,011	2,521	3,702	3,284
Critical Water Years (16%)	3,466	3,107	1,183	673	262	109	249	788	1,978	3,271	4,017	3,916

Table F.2.7-2-10b. 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 Water Years (28%)	221	561	564	33	20	20	20	35	114	218	468	310
Above Normal Years (14%)	209	663	635	173	35	21	24	58	179	264	513	310
Below Normal Years (18%)	1,404	1,376	582	271	84	35	58	110	322	527	925	1,405
Dry Water Years (24%)	1,588	1,397	732	569	175	83	95	181	368	725	1,124	1,632
Critical Water Years (16%)	1,938	1,855	1,128	785	366	259	532	918	1,133	1,396	1,572	1,742

Table F.2.7-2-10c. San Joaquin River at Antioch Chloride, NAA minus EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1,467	-1,479	48	841	290	161	280	144	-844	-2,082	-2,685	-2,217
20% Exceedance	-1,141	-254	567	691	137	67	148	-18	-1,007	-2,331	-2,915	-2,024
30% Exceedance	-529	487	692	309	78	-5	40	87	-629	-2,046	-2,710	-1,827
40% Exceedance	67	723	736	165	3	-10	1	77	-350	-1,678	-2,574	-1,599
50% Exceedance	314	312	596	77	-11	-10	-4	43	-173	-1,417	-2,554	-1,470
60% Exceedance	-376	432	285	22	-11	-10	-5	21	18	-1,144	-2,421	-1,692
70% Exceedance	-151	491	186	-9	-9	-8	-6	2	97	-707	-1,917	-1,036
80% Exceedance	-84	447	122	-6	-6	-7	-2	-2	80	-297	-969	-582
90% Exceedance	-9	201	56	-6	-3	-1	2	5	23	-112	-452	-244
Full Simulation Period Average[a]	-478	24	255	183	53	31	60	24	-368	-1,303	-2,041	-1,344
Wet Water Years (28%)	-162	284	426	2	-7	-4	0	12	13	-470	-1,063	-617
Above Normal Years (14%)	-527	227	493	122	-2	-11	-4	23	-78	-1,095	-2,080	-1,469
Below Normal Years (18%)	-81	498	245	198	42	-2	23	-5	-393	-1,595	-2,454	-1,227
Dry Water Years (24%)	-456	38	107	463	129	41	47	-10	-643	-1,795	-2,579	-1,653
Critical Water Years (16%)	-1,528	-1,252	-54	113	104	150	282	130	-845	-1,875	-2,444	-2,174

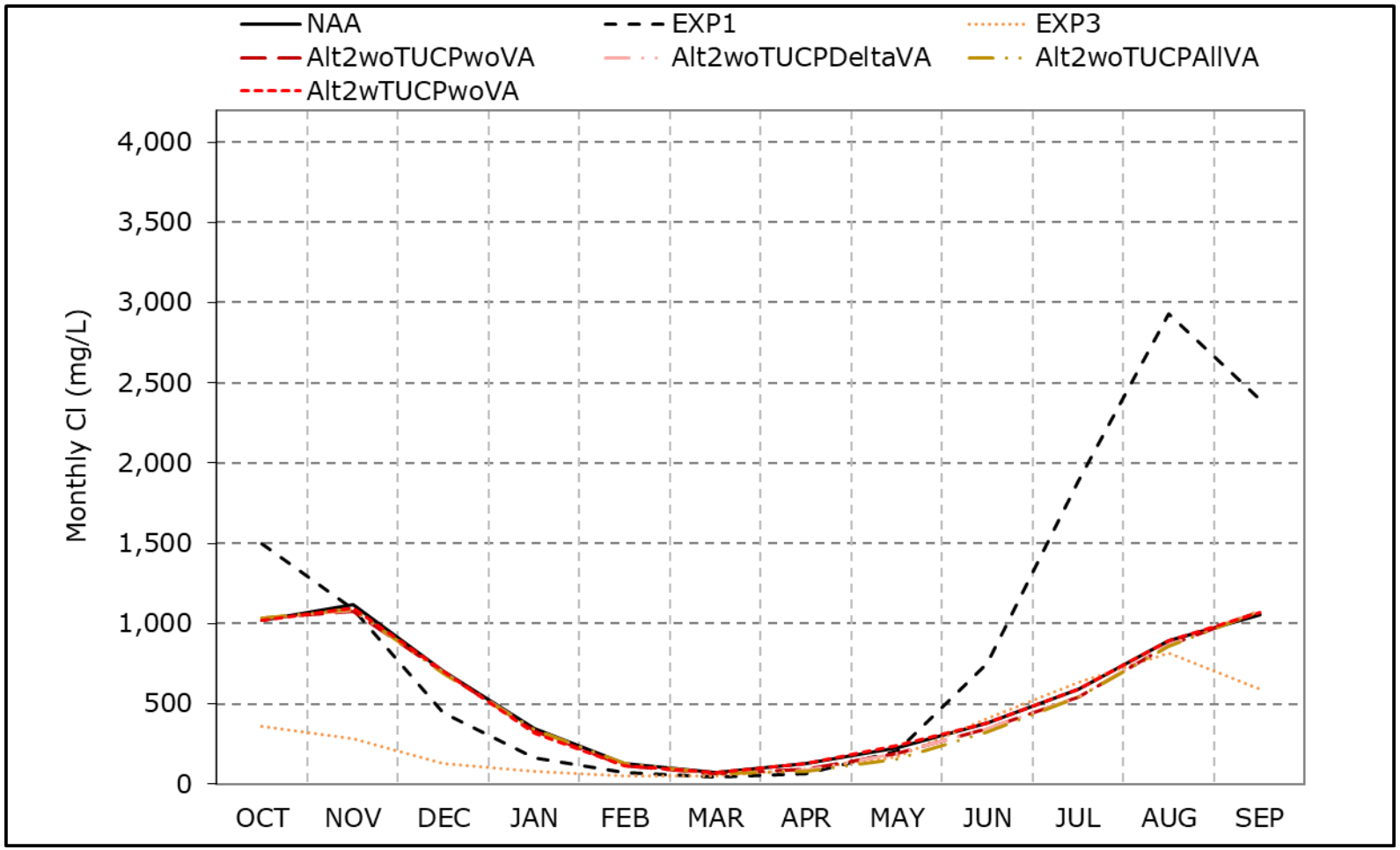
[a] Based on the 100-year simulation period.

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

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

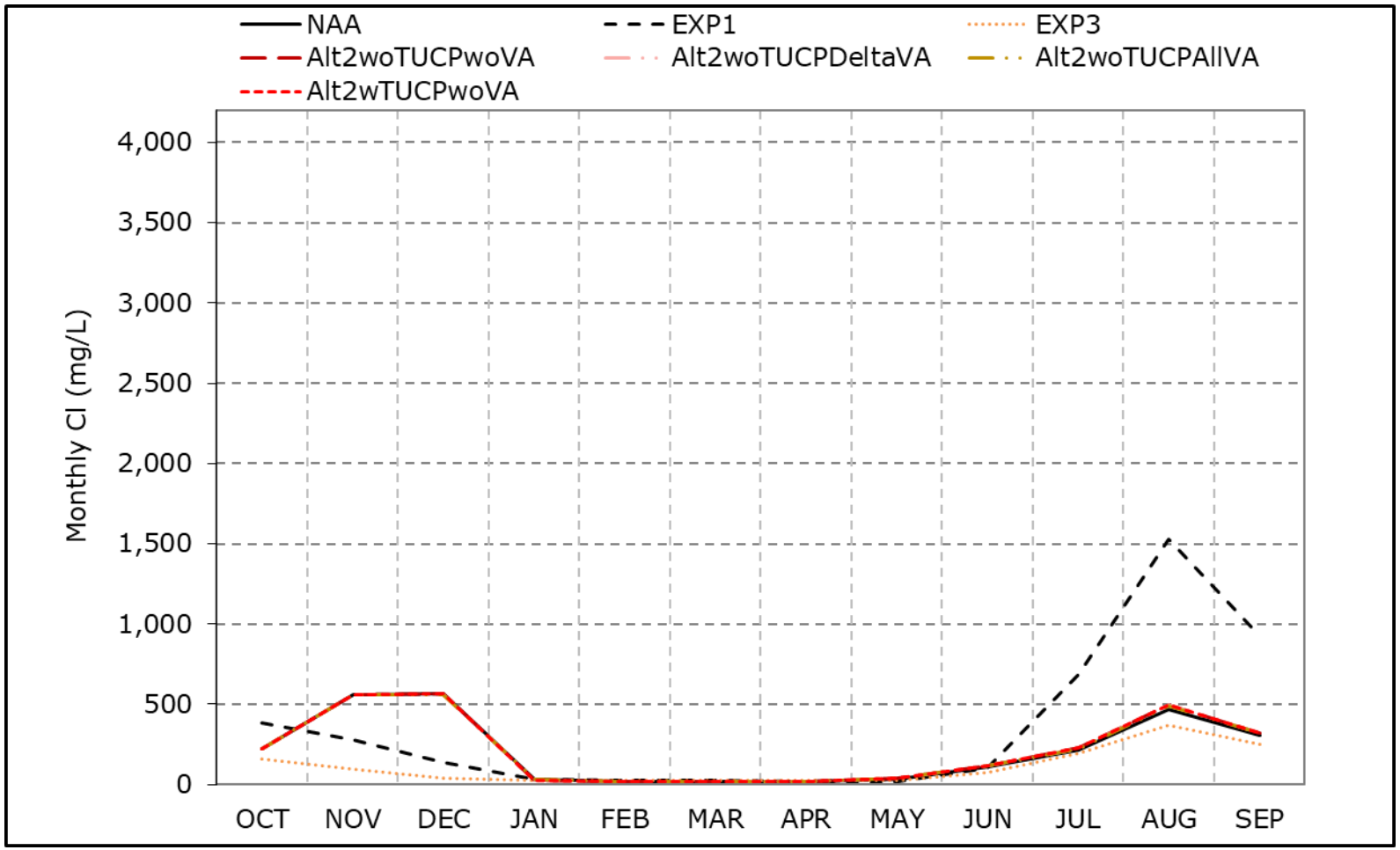
* These results are displayed with calendar year - year type sorting.

Figure F.2.7-2-1. San Joaquin River at Antioch Chloride, Long-Term Average Cl



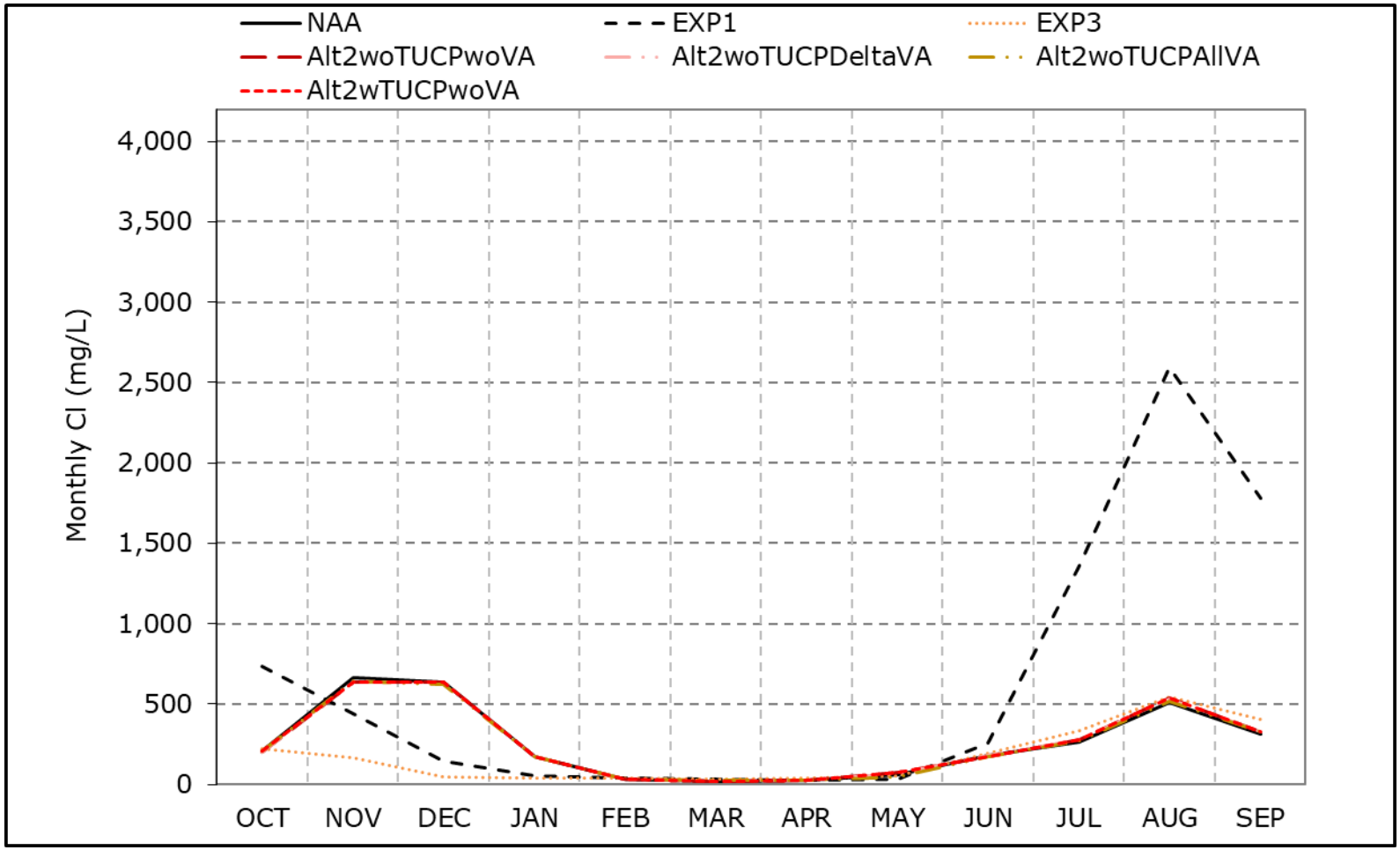
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-2-2. San Joaquin River at Antioch Chloride, Wet Year Average Cl



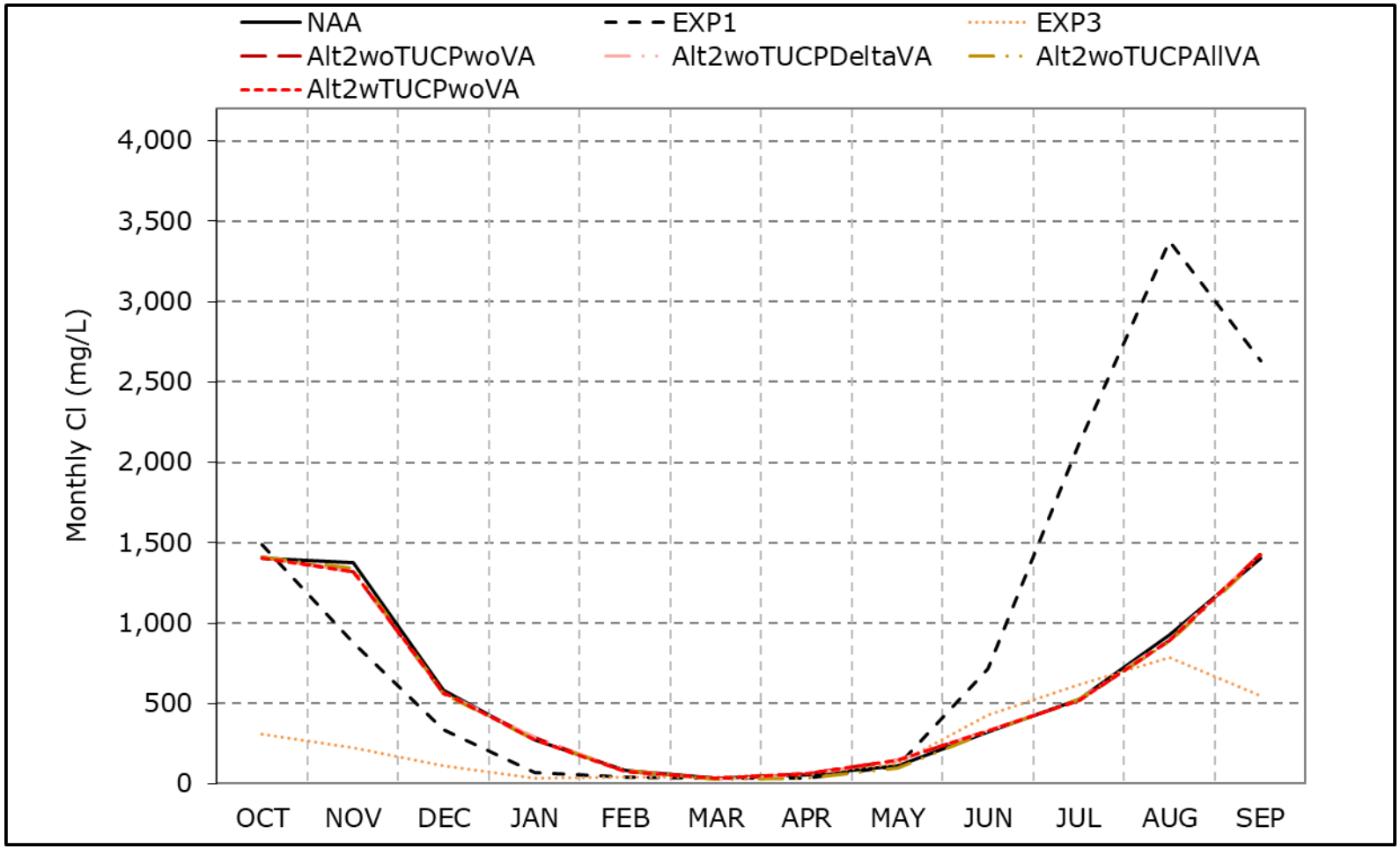
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-2-3. San Joaquin River at Antioch Chloride, Above Normal Year Average Cl



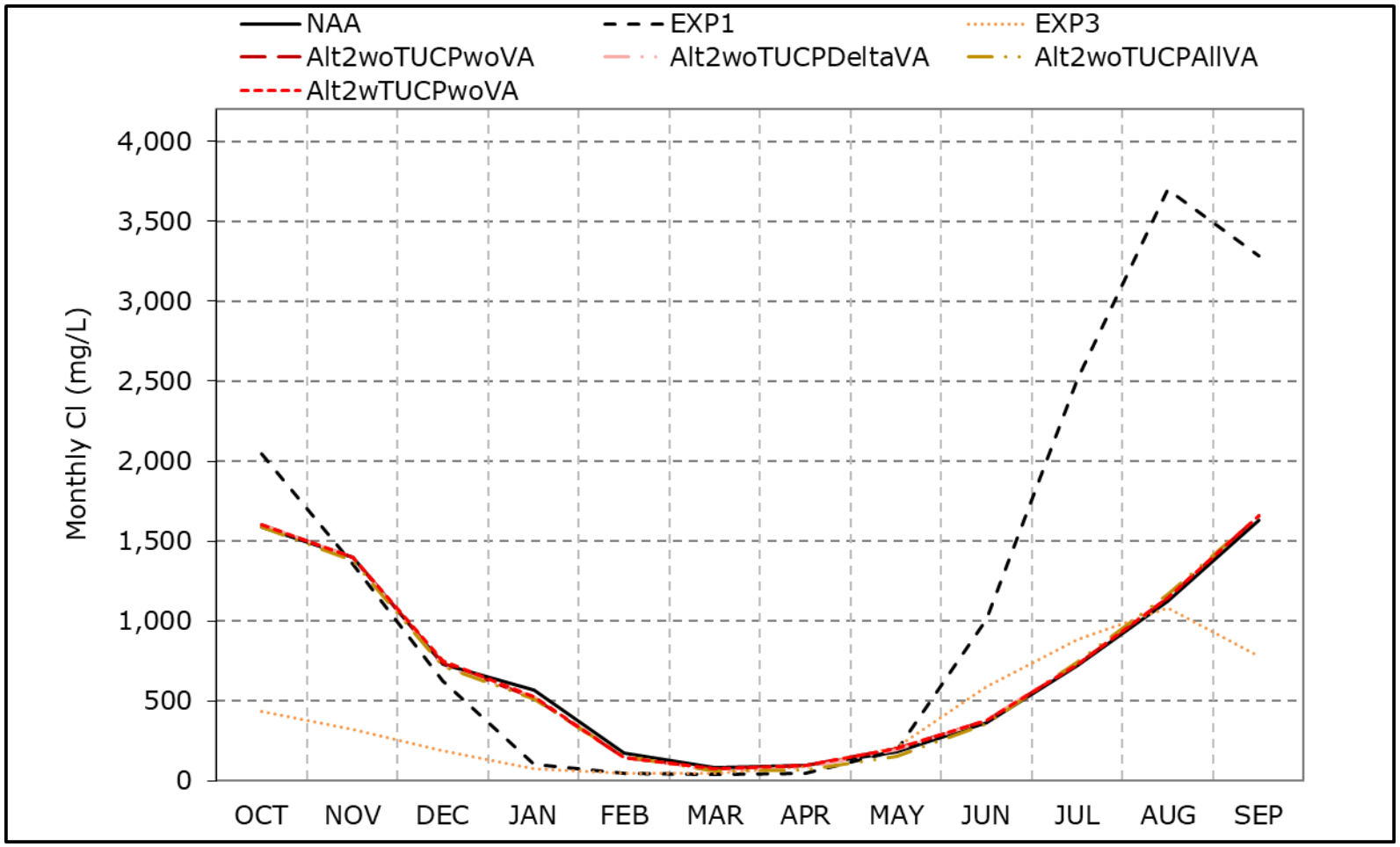
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-2-4. San Joaquin River at Antioch Chloride, Below Normal Year Average Cl



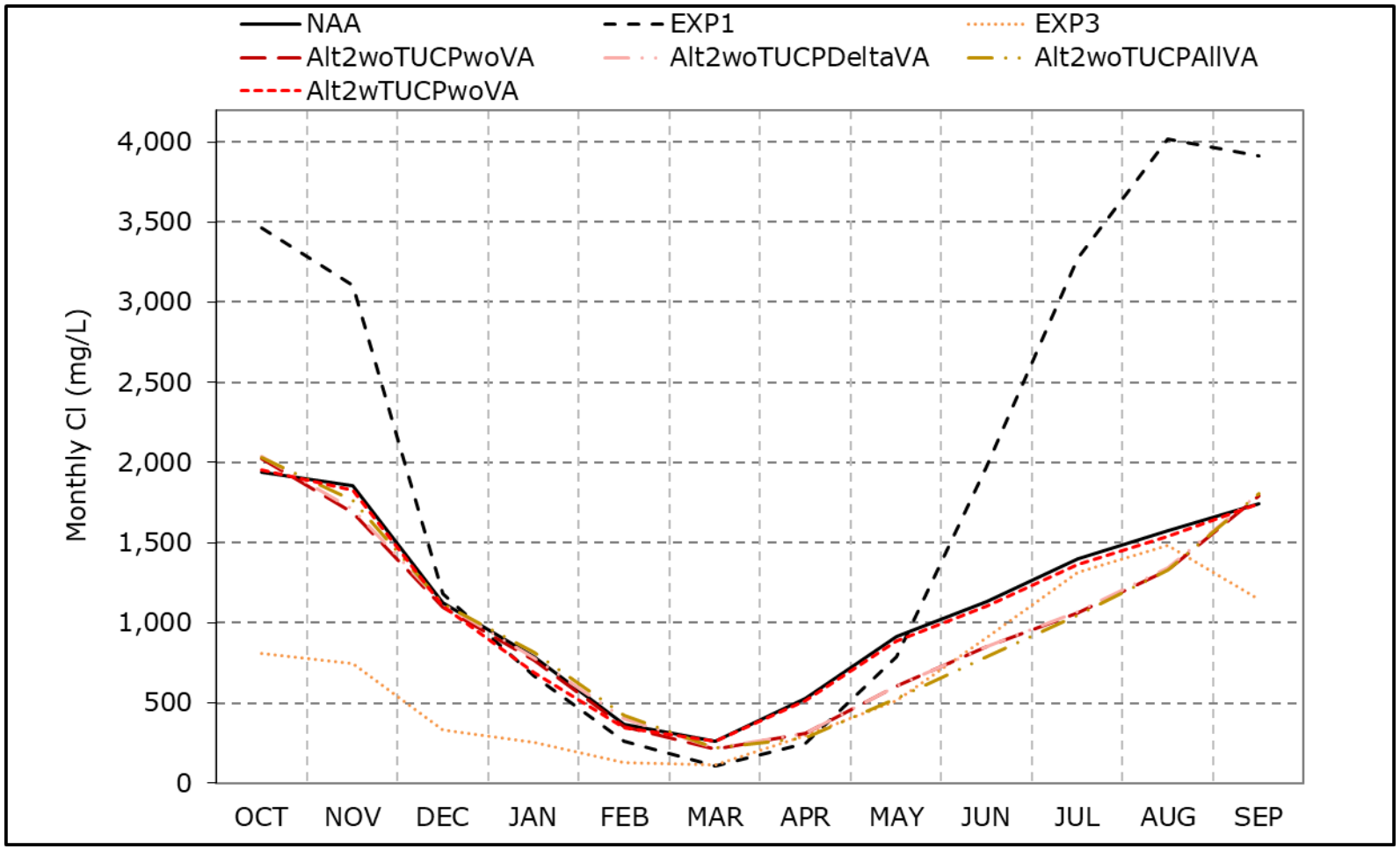
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-2-5. San Joaquin River at Antioch Chloride, Dry Year Average Cl



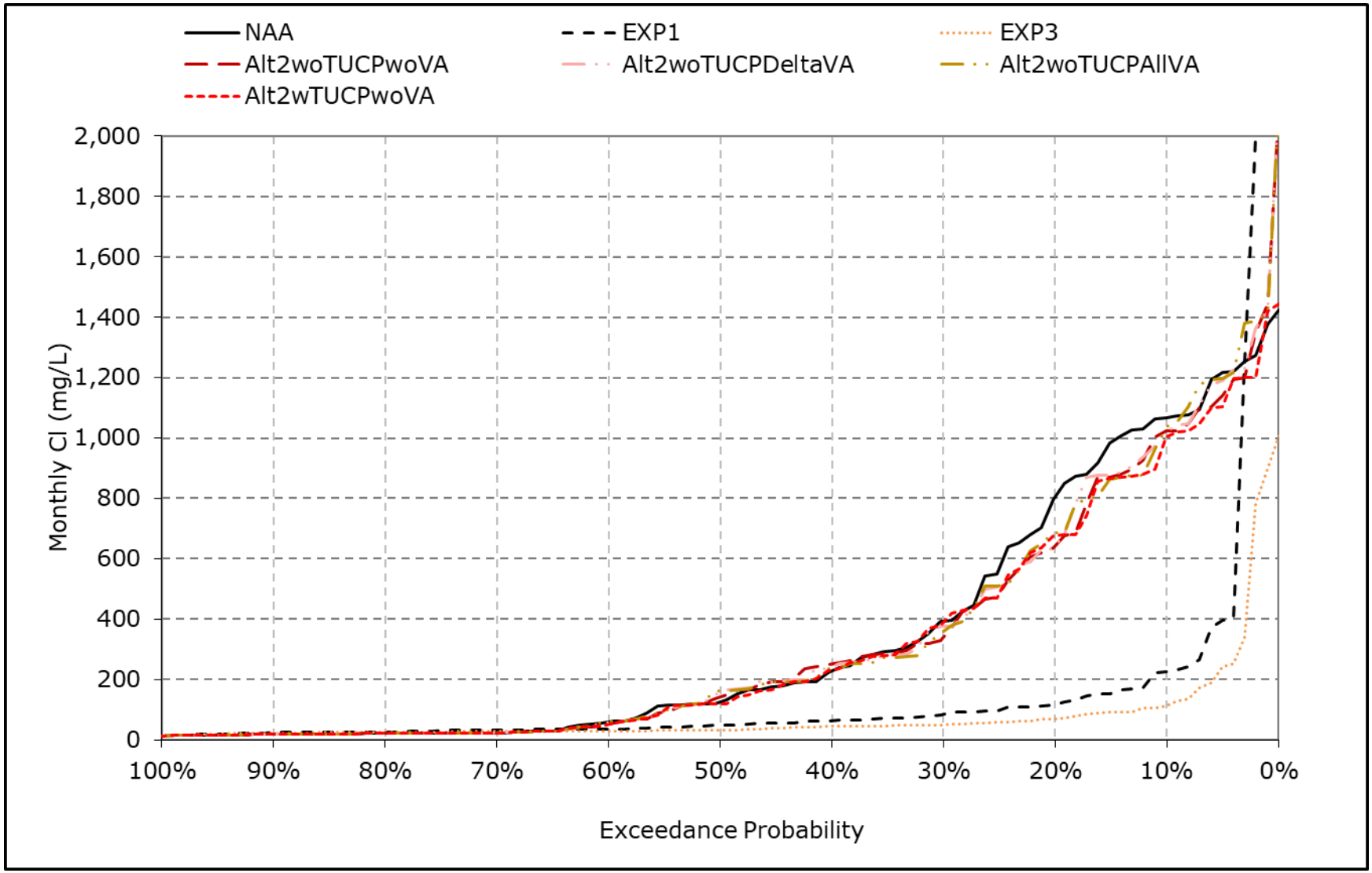
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-2-6. San Joaquin River at Antioch Chloride, Critical Year Average Cl



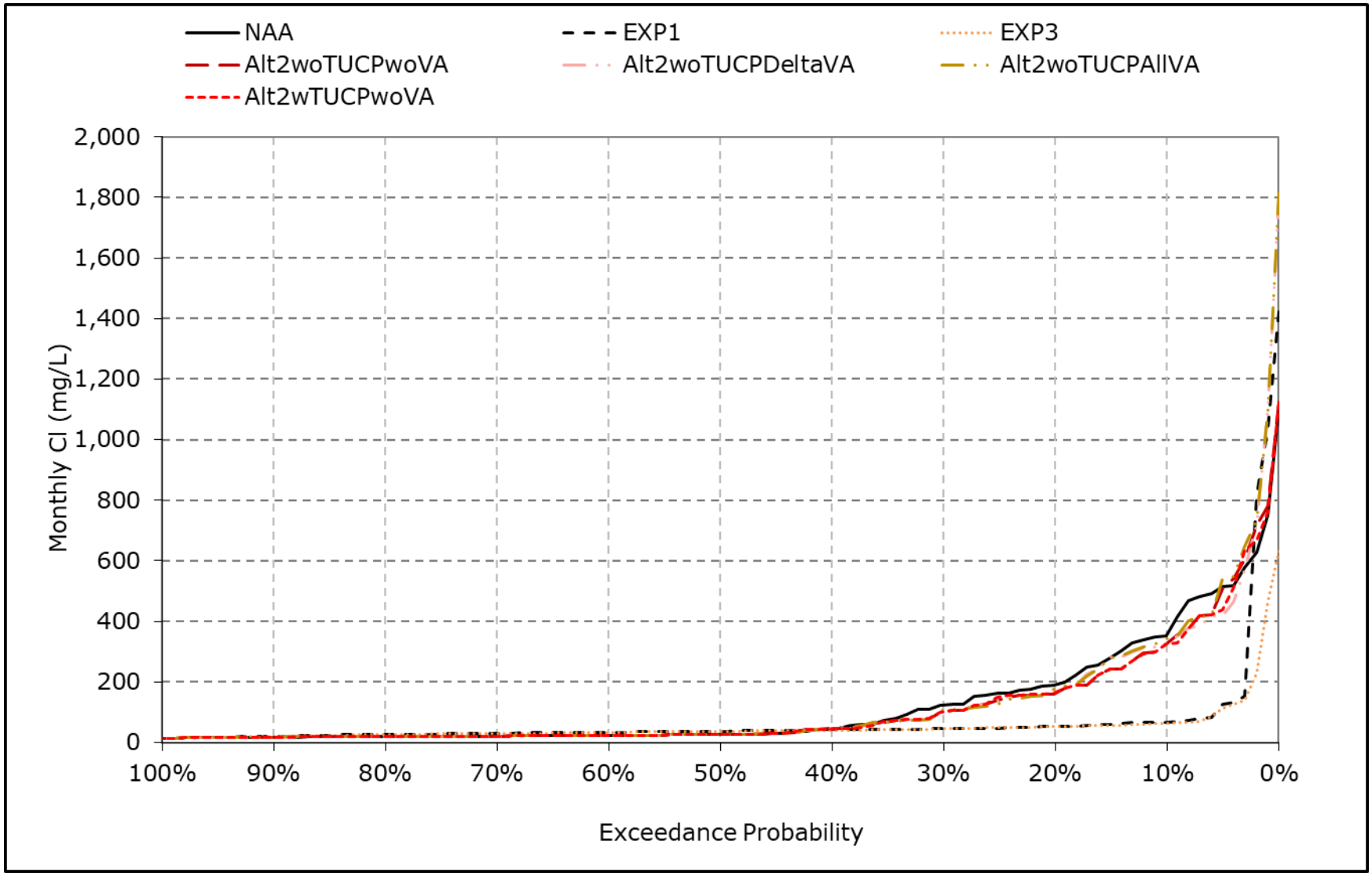
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-2-7. San Joaquin River at Antioch Chloride, January Cl



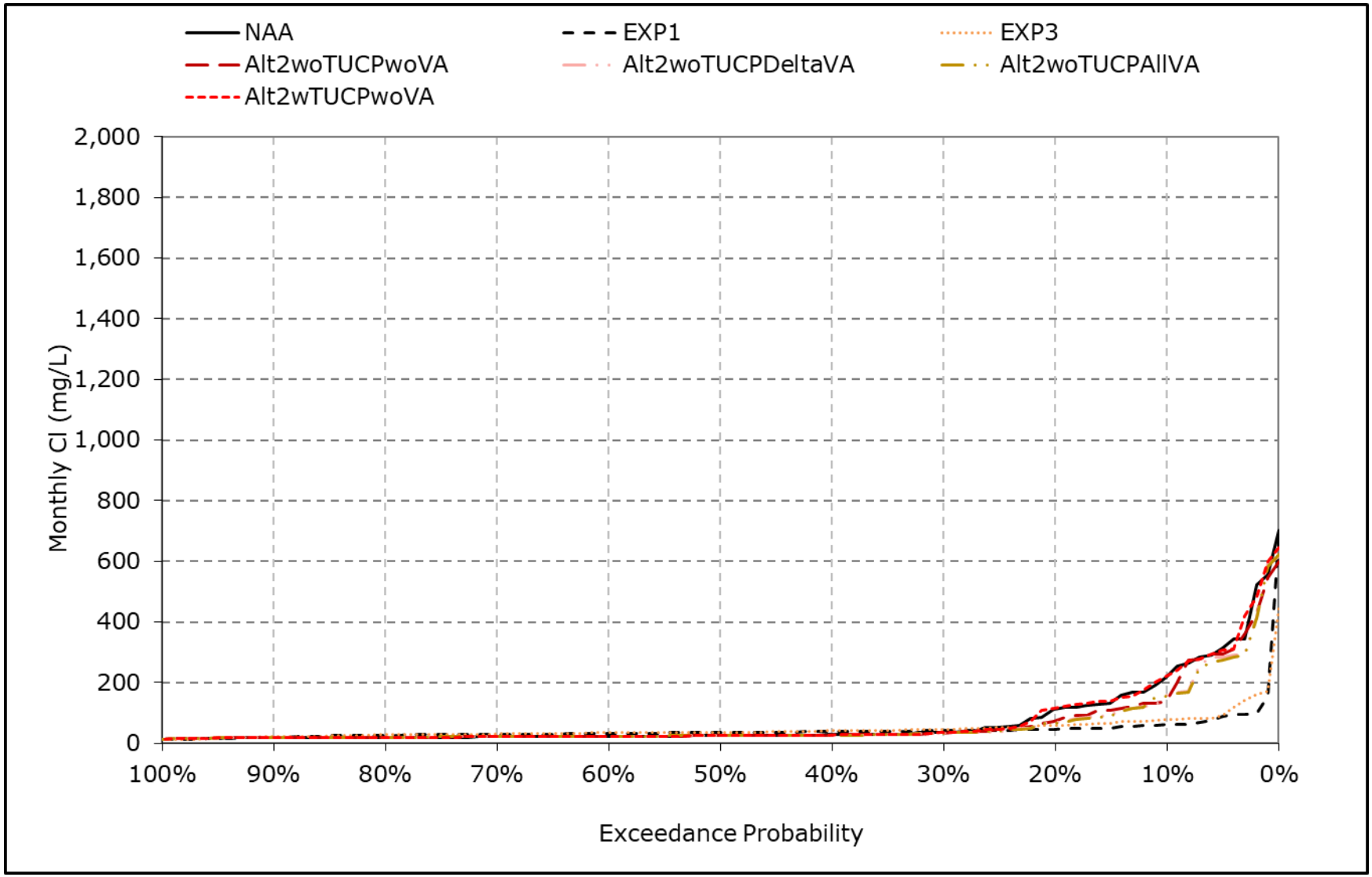
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-2-8. San Joaquin River at Antioch Chloride, February Cl



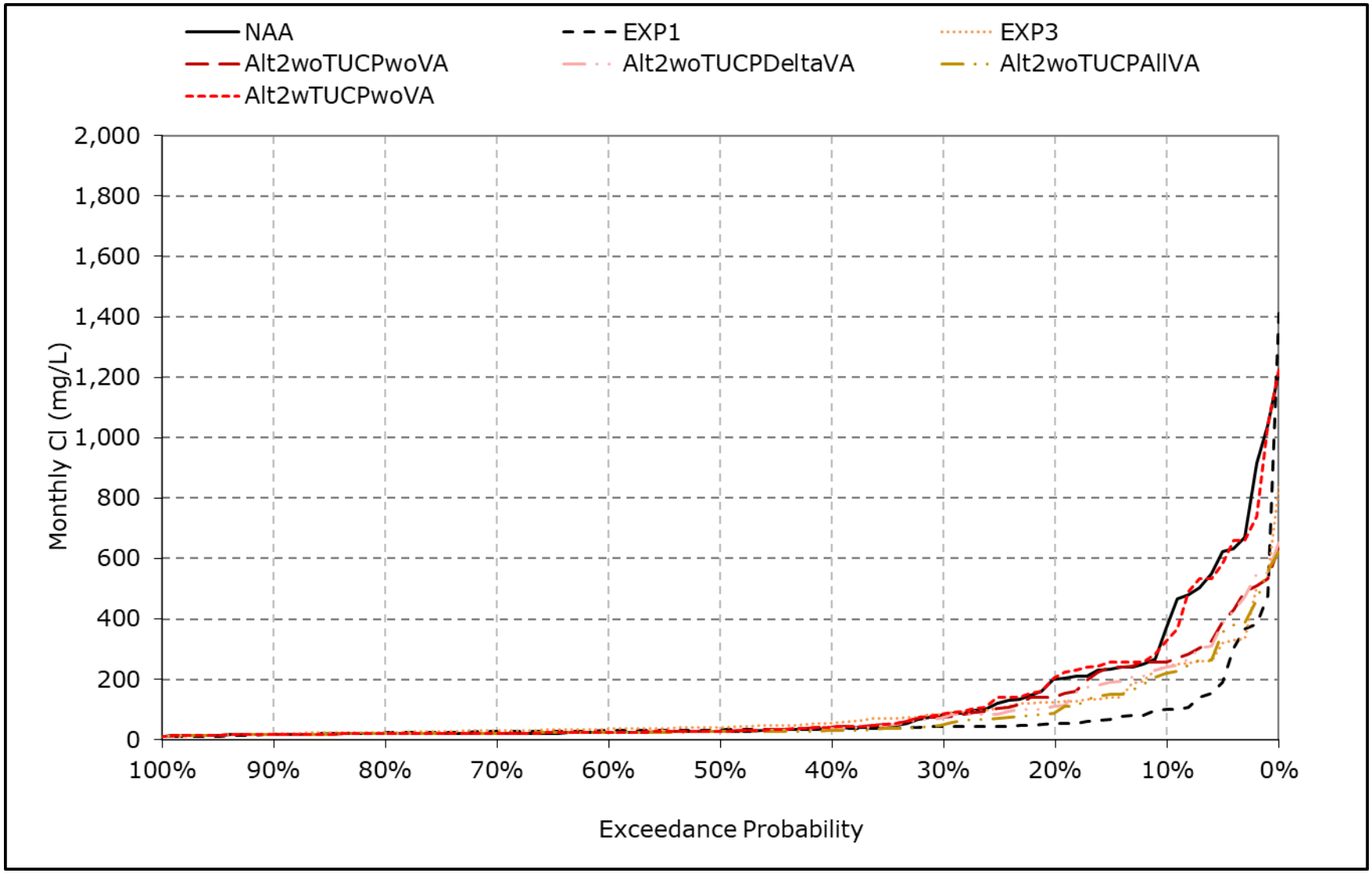
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-2-9. San Joaquin River at Antioch Chloride, March Cl



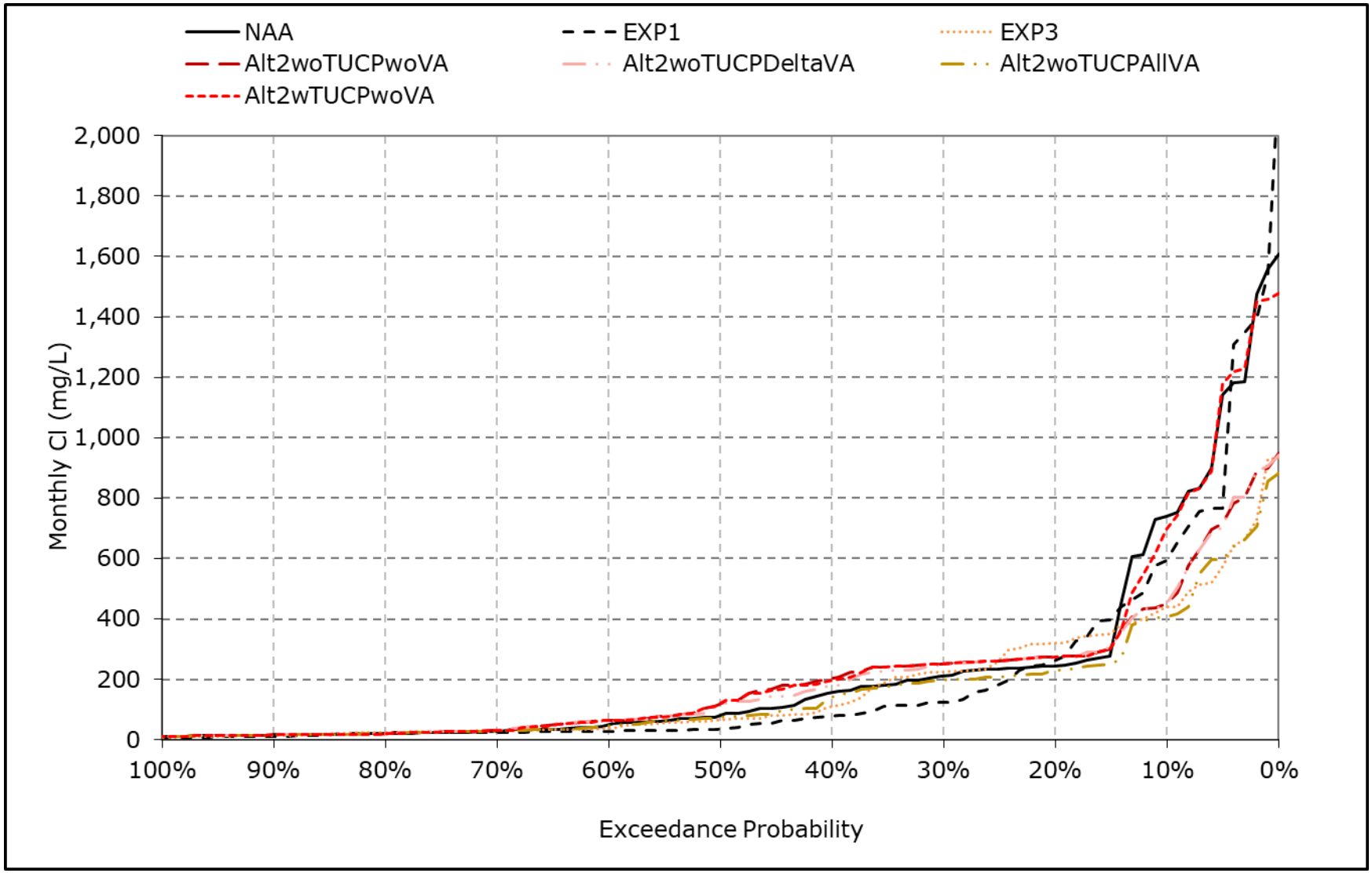
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-2-10. San Joaquin River at Antioch Chloride, April Cl



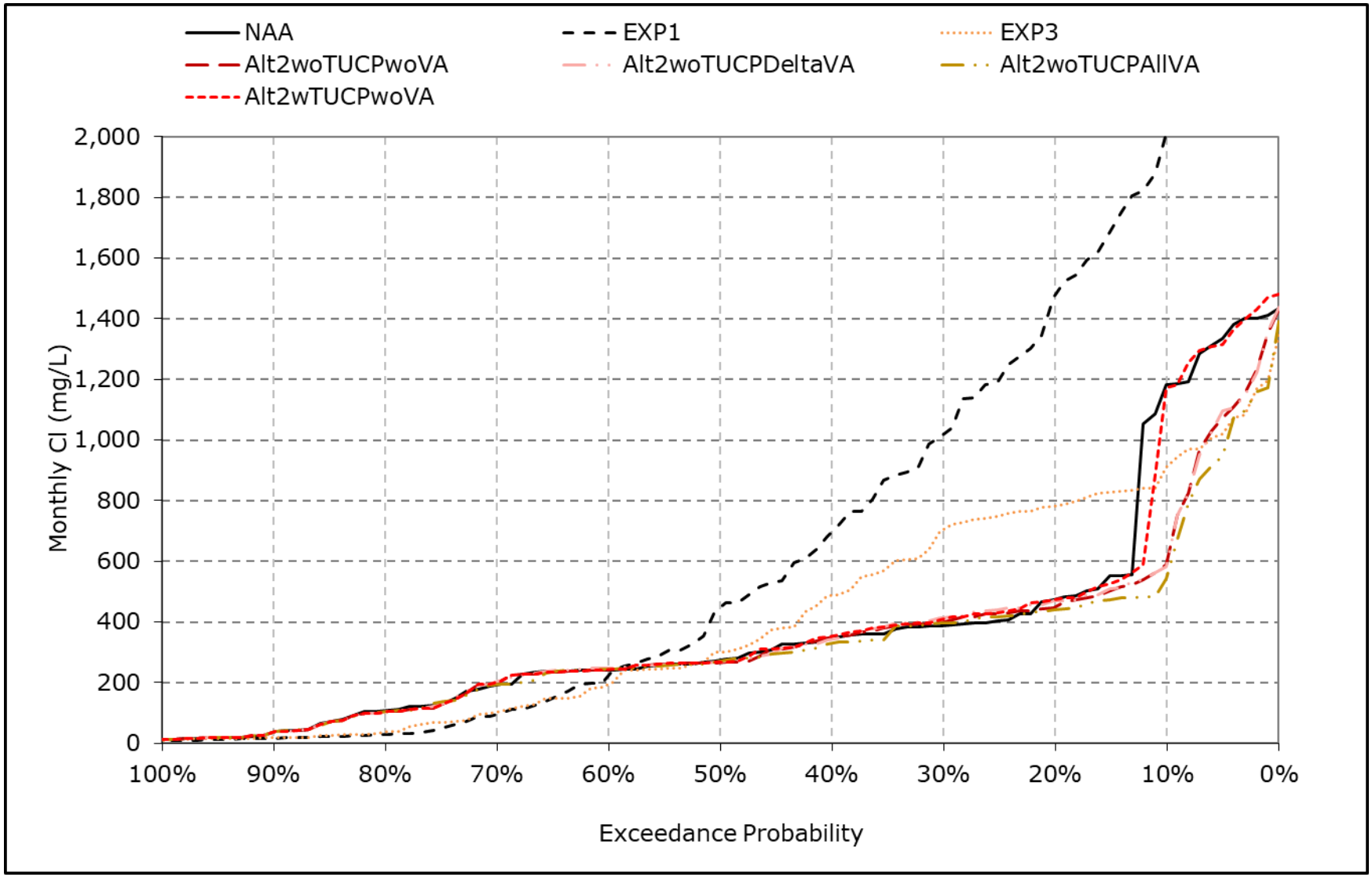
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-2-11. San Joaquin River at Antioch Chloride, May Cl



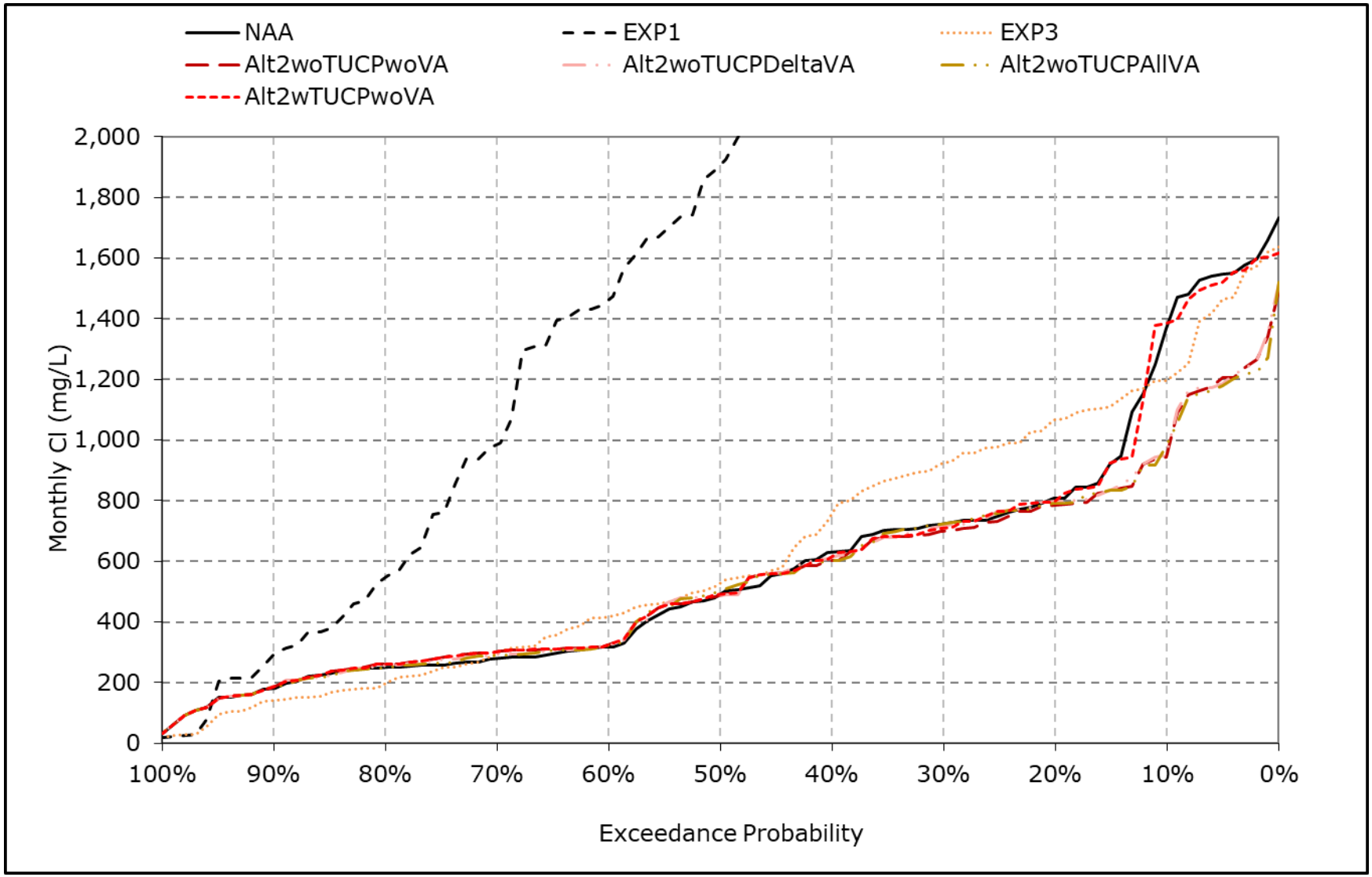
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-2-12. San Joaquin River at Antioch Chloride, June Cl



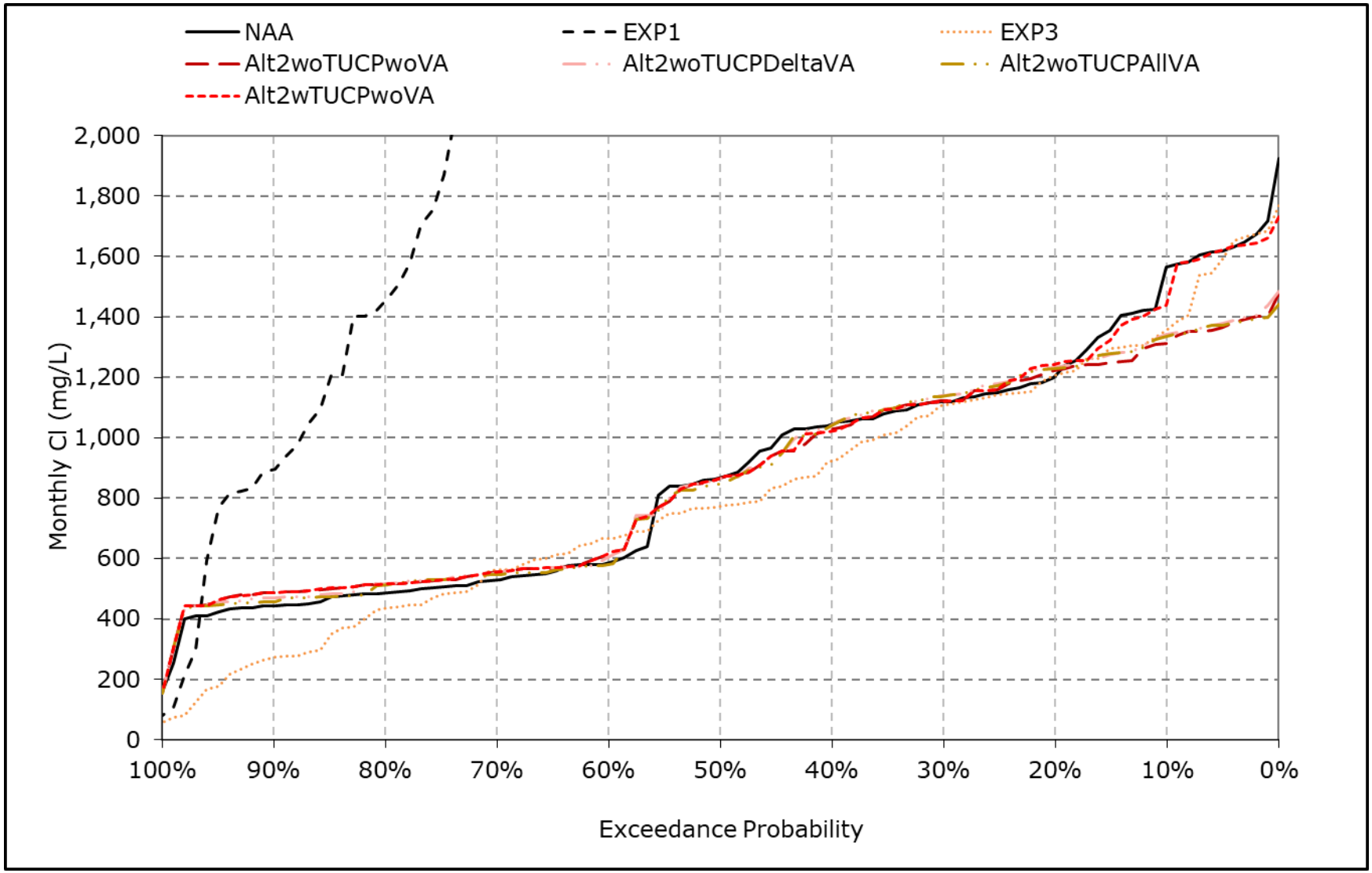
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-2-13. San Joaquin River at Antioch Chloride, July Cl



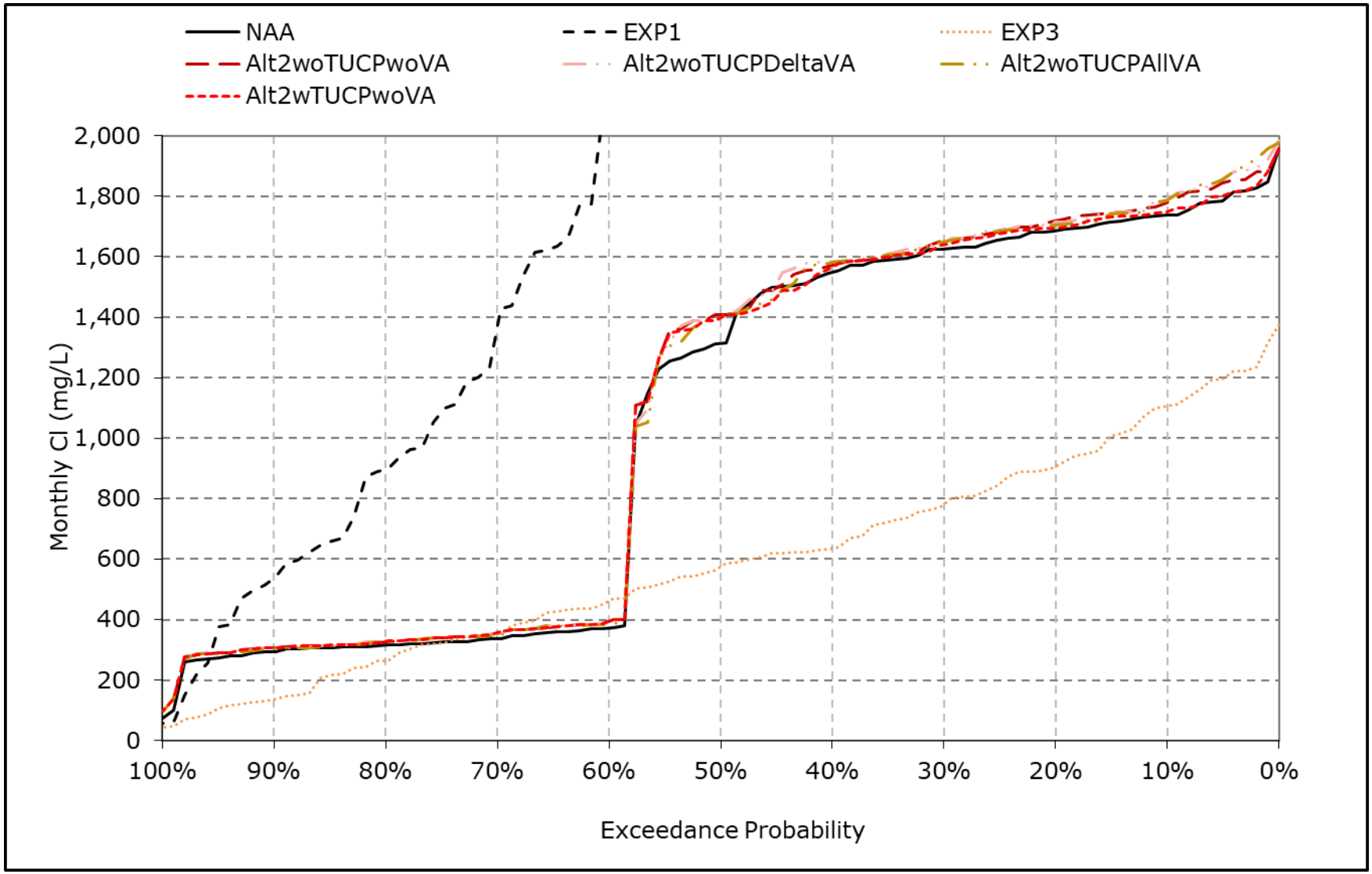
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-2-14. San Joaquin River at Antioch Chloride, August Cl



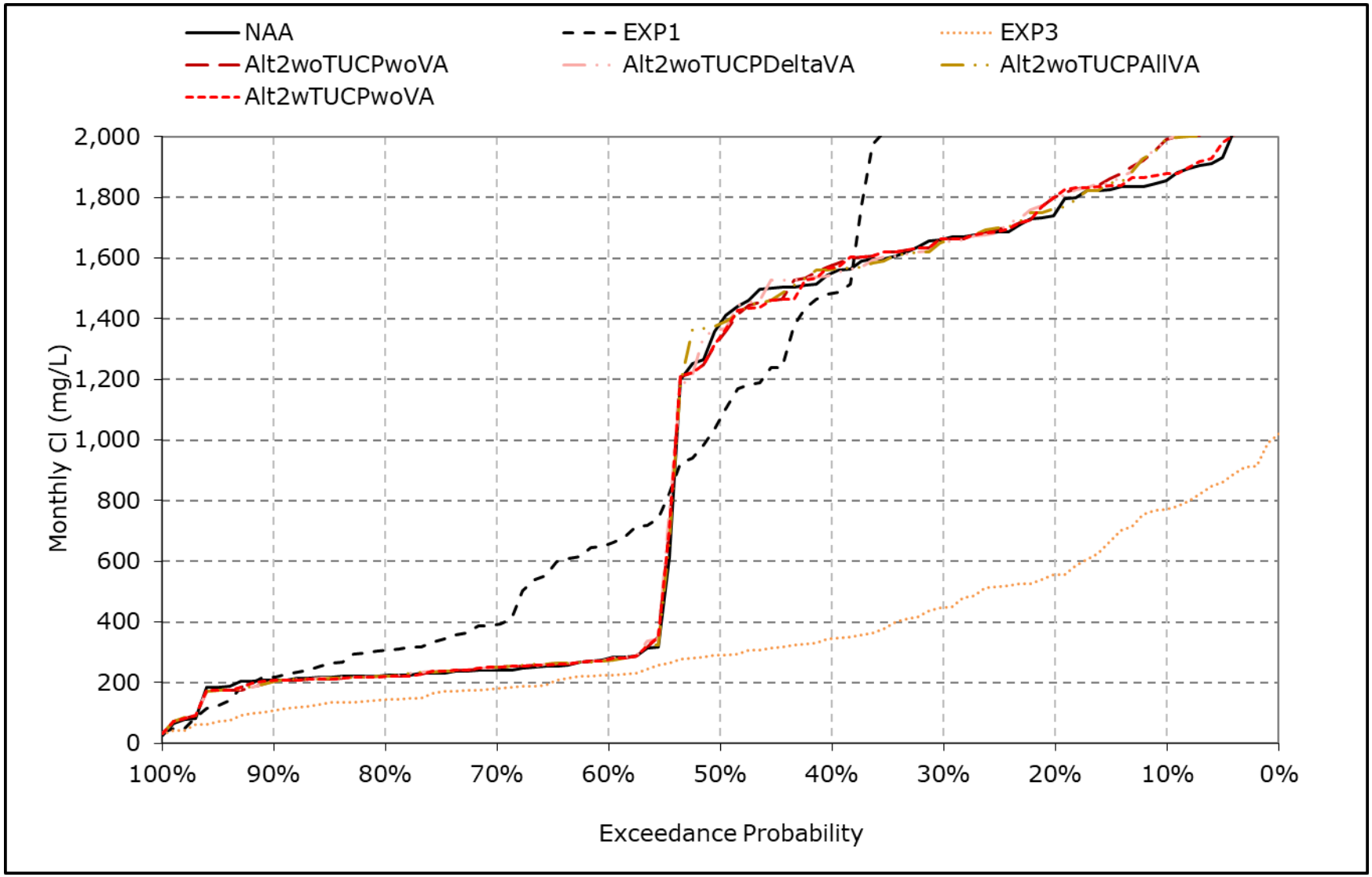
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-2-15. San Joaquin River at Antioch Chloride, September Cl



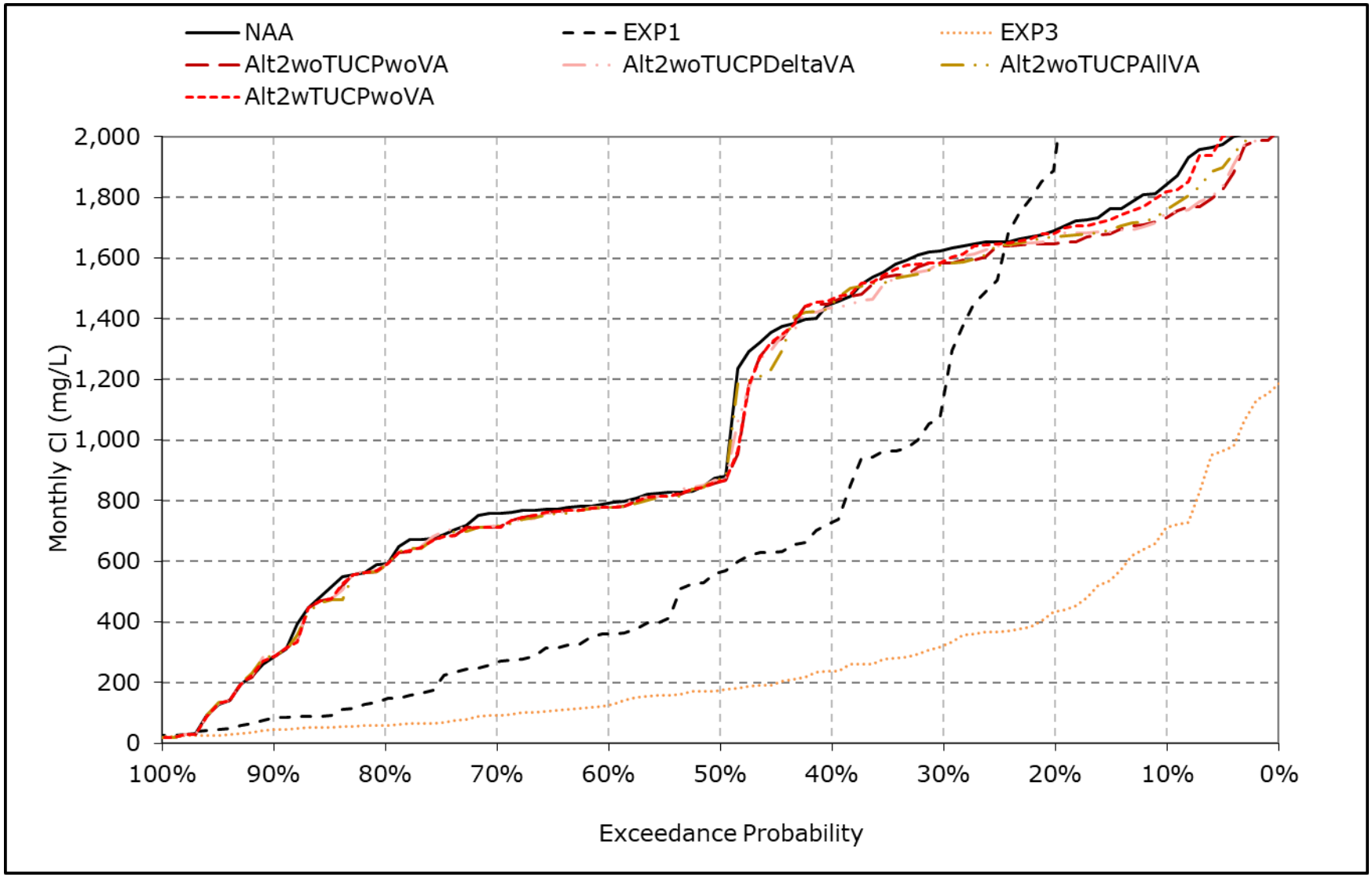
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-2-16. San Joaquin River at Antioch Chloride, October Cl



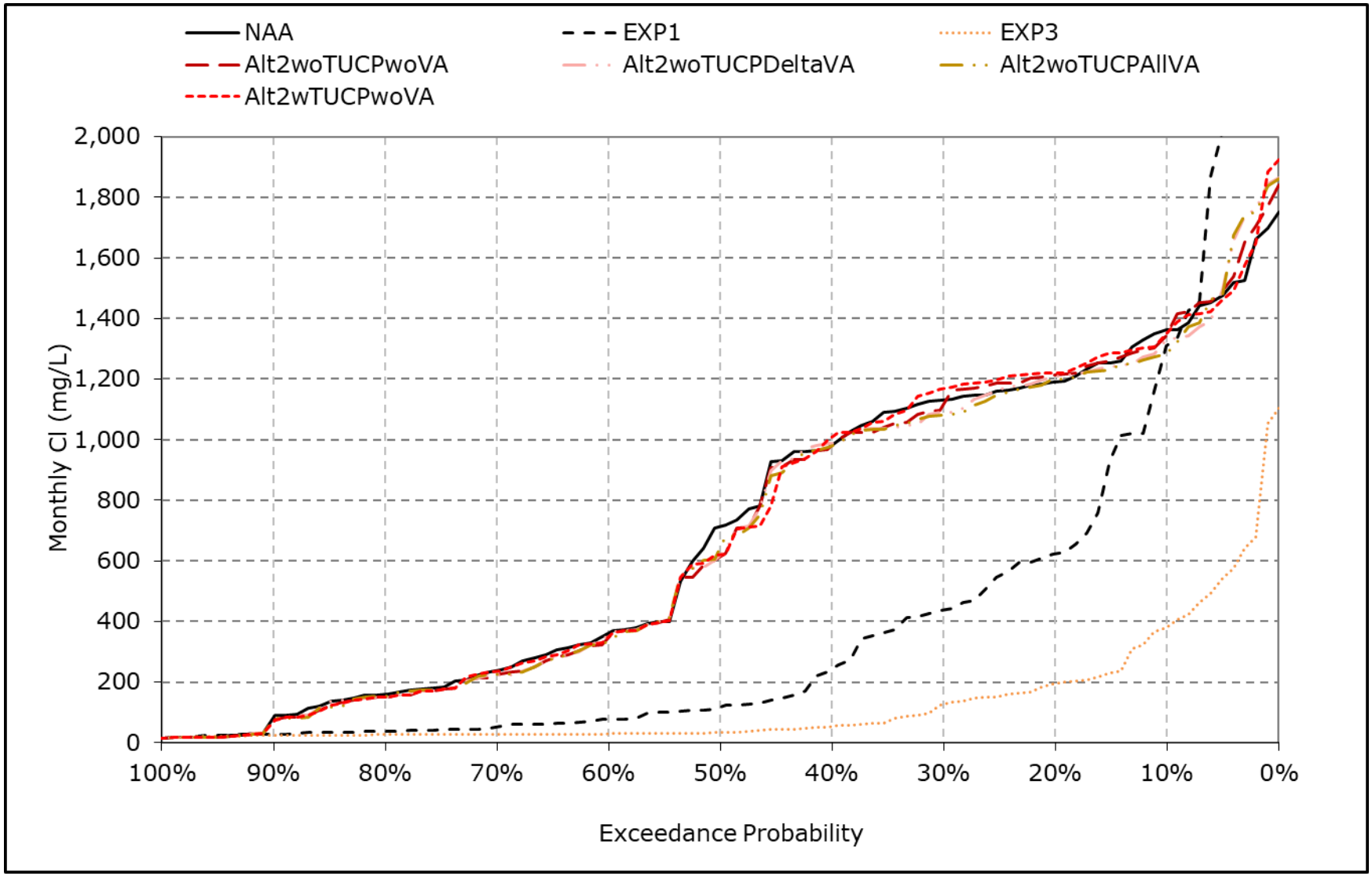
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-2-17. 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.2.7-2-18. San Joaquin River at Antioch Chloride, December Cl



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

Table F.2.7-3-1a. 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 Water Years (28%)	28	33	85	63	48	42	34	30	28	29	29	34
Above Normal Years (14%)	31	33	104	106	76	66	66	65	43	28	28	36
Below Normal Years (18%)	102	104	123	114	82	71	69	65	45	34	46	82
Dry Water Years (24%)	103	113	126	130	102	77	71	71	48	39	57	77
Critical Water Years (16%)	122	146	170	140	123	100	94	94	93	97	105	115

Table F.2.7-3-1b. 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	143	163	179	147	101	88	79	72	70	80	96
20% Exceedance	109	127	156	163	124	89	80	71	53	45	63	88
30% Exceedance	106	118	144	147	98	79	74	66	47	41	54	84
40% Exceedance	103	107	134	127	88	73	68	63	45	36	50	77
50% Exceedance	95	91	125	112	83	69	67	59	43	34	42	68
60% Exceedance	36	40	111	80	68	64	61	55	39	31	34	50
70% Exceedance	30	33	93	66	57	59	52	44	36	29	30	40
80% Exceedance	29	31	79	55	40	49	44	36	30	28	29	37
90% Exceedance	28	30	48	34	25	29	22	14	19	27	28	34
Full Simulation Period Average[a]	73	82	115	107	84	69	63	54	44	41	48	64
Wet Water Years (28%)	29	33	84	61	47	41	34	26	26	29	30	36
Above Normal Years (14%)	32	32	102	105	76	65	62	52	39	28	29	40
Below Normal Years (18%)	102	103	120	115	84	72	68	57	42	34	48	80
Dry Water Years (24%)	105	115	126	132	102	78	71	65	46	41	59	80
Critical Water Years (16%)	110	142	158	144	125	105	95	85	78	79	81	91

Table F.2.7-3-1c. 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	-1	-4	-3	0	3	-6	-9	-8	-20	-26	-18
20% Exceedance	-1	3	-3	7	-3	2	1	-11	-1	0	-3	-6
30% Exceedance	-2	0	-4	4	1	0	-1	-9	-2	2	0	0
40% Exceedance	2	-3	-4	-2	-1	1	0	-6	-2	0	2	-1
50% Exceedance	2	-8	-4	1	2	1	-1	-7	-3	0	3	3
60% Exceedance	2	-1	-1	0	3	1	-2	-7	-5	0	1	5
70% Exceedance	0	0	-3	1	2	1	-6	-10	-4	0	1	5
80% Exceedance	0	0	0	1	1	0	2	-9	-4	0	1	3
90% Exceedance	0	0	0	0	-1	1	3	0	-1	0	1	2
Full Simulation Period Average[a]	-1	0	-3	1	1	1	-1	-7	-5	-2	-3	-2
Wet Water Years (28%)	0	0	-1	-2	0	-1	0	-4	-2	0	1	2
Above Normal Years (14%)	1	0	-2	-1	0	-1	-4	-13	-4	-1	1	4
Below Normal Years (18%)	1	-1	-2	2	2	0	-1	-8	-3	0	2	-2
Dry Water Years (24%)	2	2	1	2	0	2	0	-6	-2	1	2	4
Critical Water Years (16%)	-12	-4	-12	4	2	4	1	-9	-15	-18	-25	-24

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

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

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

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

Table F.2.7-3-2a. 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 Water Years (28%)	28	33	85	63	48	42	34	30	28	29	29	34
Above Normal Years (14%)	31	33	104	106	76	66	66	65	43	28	28	36
Below Normal Years (18%)	102	104	123	114	82	71	69	65	45	34	46	82
Dry Water Years (24%)	103	113	126	130	102	77	71	71	48	39	57	77
Critical Water Years (16%)	122	146	170	140	123	100	94	94	93	97	105	115

Table F.2.7-3-2b. 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	115	144	163	177	149	113	112	90	72	63	83	97
20% Exceedance	110	128	157	158	126	100	99	84	59	47	64	92
30% Exceedance	106	116	144	140	98	89	92	79	51	41	57	85
40% Exceedance	103	108	133	127	89	82	86	76	49	37	50	78
50% Exceedance	95	95	123	112	83	78	79	73	47	34	45	68
60% Exceedance	35	40	112	80	68	72	71	62	43	32	35	48
70% Exceedance	29	34	93	66	58	67	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	29	19	15	19	27	28	33
Full Simulation Period Average[a]	73	82	115	106	84	77	74	62	46	41	49	65
Wet Water Years (28%)	28	33	85	61	47	43	35	27	26	29	29	36
Above Normal Years (14%)	31	33	104	105	76	75	77	65	42	29	30	39
Below Normal Years (18%)	103	103	122	117	85	87	89	69	45	35	49	83
Dry Water Years (24%)	107	115	125	128	102	88	87	78	52	41	62	83
Critical Water Years (16%)	111	144	160	141	128	112	100	88	79	78	79	92

Table F.2.7-3-2c. 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	-5	0	-4	-5	3	15	18	3	-8	-28	-24	-17
20% Exceedance	0	3	-2	2	-1	13	20	2	5	2	-1	-1
30% Exceedance	-2	-2	-4	-2	1	9	18	4	2	2	3	1
40% Exceedance	2	-2	-5	-2	0	10	17	7	2	2	3	0
50% Exceedance	2	-4	-5	1	2	9	12	7	1	1	5	4
60% Exceedance	1	0	0	0	3	9	7	0	0	1	2	3
70% Exceedance	0	0	-2	1	3	9	4	-6	-2	0	1	4
80% Exceedance	0	0	0	1	1	0	3	-7	-4	0	1	3
90% Exceedance	1	0	0	0	-1	1	0	1	-1	1	1	1
Full Simulation Period Average[a]	0	0	-2	0	1	9	10	1	-2	-2	-2	-1
Wet Water Years (28%)	0	0	-1	-2	0	1	1	-3	-2	0	1	1
Above Normal Years (14%)	1	0	-1	-1	0	9	11	-1	-1	1	2	3
Below Normal Years (18%)	1	-1	-1	3	3	16	20	4	0	1	3	1
Dry Water Years (24%)	4	2	0	-2	0	11	16	8	4	2	4	7
Critical Water Years (16%)	-11	-2	-10	1	5	11	6	-7	-14	-19	-26	-23

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

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

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

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

Table F.2.7-3-3a. 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 Water Years (28%)	28	33	85	63	48	42	34	30	28	29	29	34
Above Normal Years (14%)	31	33	104	106	76	66	66	65	43	28	28	36
Below Normal Years (18%)	102	104	123	114	82	71	69	65	45	34	46	82
Dry Water Years (24%)	103	113	126	130	102	77	71	71	48	39	57	77
Critical Water Years (16%)	122	146	170	140	123	100	94	94	93	97	105	115

Table F.2.7-3-3b. Banks Pumping Plant South Delta Exports Chloride, Alt2woTUCPAllVA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	114	143	162	178	150	113	112	90	73	63	81	96
20% Exceedance	109	126	155	159	121	100	99	84	57	46	65	91
30% Exceedance	106	115	143	139	98	89	92	79	51	41	56	86
40% Exceedance	103	107	132	126	88	82	85	76	48	37	49	79
50% Exceedance	97	99	124	111	82	77	79	73	46	35	44	68
60% Exceedance	34	40	114	80	68	73	71	62	43	31	35	47
70% Exceedance	29	34	94	67	58	67	62	48	37	29	30	38
80% Exceedance	29	31	79	55	40	50	46	38	30	28	29	36
90% Exceedance	28	30	46	34	25	29	19	15	19	27	27	33
Full Simulation Period Average[a]	73	82	115	106	84	77	74	62	46	40	48	65
Wet Water Years (28%)	28	33	85	62	48	43	35	27	26	29	29	36
Above Normal Years (14%)	31	32	104	105	76	75	77	65	42	28	29	38
Below Normal Years (18%)	103	103	121	115	85	87	89	68	44	35	48	83
Dry Water Years (24%)	107	113	124	127	100	87	87	79	51	41	62	84
Critical Water Years (16%)	110	144	160	141	130	113	100	87	77	75	77	90

Table F.2.7-3-3c. Banks Pumping Plant South Delta Exports Chloride, Alt2woTUCPAllVA minus NAA, Monthly Cl (mg/L)

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

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

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

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

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

Table F.2.7-3-4a. 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 Water Years (28%)	28	33	85	63	48	42	34	30	28	29	29	34
Above Normal Years (14%)	31	33	104	106	76	66	66	65	43	28	28	36
Below Normal Years (18%)	102	104	123	114	82	71	69	65	45	34	46	82
Dry Water Years (24%)	103	113	126	130	102	77	71	71	48	39	57	77
Critical Water Years (16%)	122	146	170	140	123	100	94	94	93	97	105	115

Table F.2.7-3-4b. 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	168	178	149	96	91	82	78	82	102	113
20% Exceedance	112	127	156	159	124	88	80	71	53	45	65	92
30% Exceedance	107	119	146	147	97	80	73	66	47	41	55	85
40% Exceedance	104	106	137	134	89	73	68	63	45	36	51	80
50% Exceedance	95	93	127	110	83	69	67	59	43	34	44	70
60% Exceedance	36	40	111	80	68	64	62	55	39	31	34	50
70% Exceedance	30	33	93	66	58	59	51	43	36	29	30	41
80% Exceedance	29	31	79	55	40	49	44	36	29	28	29	37
90% Exceedance	28	30	48	34	25	29	22	15	19	27	28	34
Full Simulation Period Average[a]	75	82	116	107	83	69	63	55	46	43	52	68
Wet Water Years (28%)	29	33	84	61	47	41	34	26	26	29	30	36
Above Normal Years (14%)	32	33	102	105	76	65	62	52	39	28	29	40
Below Normal Years (18%)	103	102	121	112	83	72	69	57	42	34	49	83
Dry Water Years (24%)	105	115	127	134	103	79	71	65	46	41	59	80
Critical Water Years (16%)	121	147	165	143	122	100	95	91	90	94	102	112

Table F.2.7-3-4c. 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	-1	2	1	-4	2	-2	-3	-6	-2	-8	-5	0
20% Exceedance	2	3	-3	3	-3	1	1	-11	-1	0	0	-2
30% Exceedance	-1	1	-3	4	0	1	-1	-9	-2	2	1	1
40% Exceedance	3	-4	-2	5	0	1	0	-6	-2	0	3	3
50% Exceedance	2	-6	-2	-2	2	0	-1	-7	-3	0	5	5
60% Exceedance	2	0	-1	0	2	1	-2	-7	-5	0	1	5
70% Exceedance	0	0	-3	0	2	1	-7	-11	-4	0	1	5
80% Exceedance	0	0	0	1	1	0	2	-9	-4	0	1	3
90% Exceedance	0	0	0	0	-1	1	3	0	-1	0	1	2
Full Simulation Period Average[a]	1	0	-1	0	0	0	-1	-6	-3	0	1	2
Wet Water Years (28%)	0	0	-1	-2	0	-1	0	-4	-2	0	1	2
Above Normal Years (14%)	1	0	-2	-1	0	-1	-4	-13	-4	-1	1	4
Below Normal Years (18%)	1	-2	-2	-1	1	1	0	-8	-3	0	3	1
Dry Water Years (24%)	2	2	1	4	1	2	0	-6	-2	1	2	4
Critical Water Years (16%)	-2	1	-5	4	0	0	1	-3	-4	-3	-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.

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

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

Table F.2.7-3-5a. 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 Water Years (28%)	28	33	85	63	48	42	34	30	28	29	29	34
Above Normal Years (14%)	31	33	104	106	76	66	66	65	43	28	28	36
Below Normal Years (18%)	102	104	123	114	82	71	69	65	45	34	46	82
Dry Water Years (24%)	103	113	126	130	102	77	71	71	48	39	57	77
Critical Water Years (16%)	122	146	170	140	123	100	94	94	93	97	105	115

Table F.2.7-3-5b. Banks Pumping Plant South Delta Exports Chloride, EXP3, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	198	197	196	197	201	202	204	205	205	202	200	198
20% Exceedance	193	192	190	190	194	196	197	198	198	197	195	194
30% Exceedance	188	188	186	188	190	192	193	194	194	192	190	189
40% Exceedance	184	183	183	184	188	190	191	192	190	188	185	184
50% Exceedance	182	182	181	182	185	188	189	189	188	184	183	183
60% Exceedance	179	179	178	179	181	182	184	185	183	182	180	180
70% Exceedance	175	175	174	176	176	178	179	180	179	178	176	175
80% Exceedance	171	170	170	170	172	174	176	176	175	173	171	171
90% Exceedance	162	162	163	164	166	167	168	169	170	168	168	168
Full Simulation Period Average[a]	178	177	177	178	180	182	184	185	184	182	181	180
Wet Water Years (28%)	189	189	187	185	188	190	191	192	193	192	191	190
Above Normal Years (14%)	168	167	168	174	177	179	181	182	182	181	180	179
Below Normal Years (18%)	176	176	176	178	180	181	183	183	182	179	177	177
Dry Water Years (24%)	177	176	176	178	180	182	183	184	182	180	178	177
Critical Water Years (16%)	171	171	172	170	171	173	175	176	174	173	172	172

Table F.2.7-3-5c. Banks Pumping Plant South Delta Exports Chloride, EXP3 minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	78	53	29	15	54	104	110	117	125	112	93	85
20% Exceedance	83	68	32	34	67	108	119	116	144	152	129	100
30% Exceedance	80	70	38	45	93	112	119	119	144	153	136	105
40% Exceedance	83	73	45	56	98	117	122	123	143	152	138	106
50% Exceedance	89	83	52	71	104	119	121	123	142	151	143	118
60% Exceedance	145	139	67	99	116	119	120	123	140	151	147	135
70% Exceedance	146	141	78	110	121	119	121	125	139	149	147	140
80% Exceedance	143	139	91	116	133	124	133	131	141	145	143	137
90% Exceedance	135	132	114	131	140	139	149	155	150	142	141	136
Full Simulation Period Average[a]	104	96	60	72	97	114	120	123	136	139	130	114
Wet Water Years (28%)	161	156	102	122	140	148	158	162	165	164	162	156
Above Normal Years (14%)	137	134	63	68	101	113	115	117	139	153	152	143
Below Normal Years (18%)	74	72	53	64	97	110	113	118	137	145	132	95
Dry Water Years (24%)	74	64	50	48	78	105	112	114	134	141	121	101
Critical Water Years (16%)	49	24	1	30	49	73	81	81	81	75	66	57

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

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

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

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

Table F.2.7-3-6a. Banks Pumping Plant South Delta Exports Chloride, EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	222	222	221	220	223	225	226	227	227	224	223	223
20% Exceedance	211	212	212	211	215	216	218	219	218	213	210	210
30% Exceedance	207	206	206	207	207	209	210	211	209	208	207	207
40% Exceedance	203	203	203	203	204	206	207	208	206	205	203	204
50% Exceedance	201	201	200	201	202	203	204	204	203	200	200	200
60% Exceedance	197	196	196	195	197	200	201	201	199	198	197	197
70% Exceedance	193	192	191	191	191	193	194	195	193	191	192	193
80% Exceedance	186	186	185	186	186	188	189	190	188	187	186	186
90% Exceedance	175	176	174	175	176	178	179	178	177	177	177	177
Full Simulation Period Average[a]	195	195	194	195	196	198	199	200	199	197	196	197
Wet Water Years (28%)	203	203	201	201	202	205	206	206	206	206	205	204
Above Normal Years (14%)	181	181	181	190	192	194	196	197	197	196	194	193
Below Normal Years (18%)	193	193	192	195	196	197	199	199	198	195	193	193
Dry Water Years (24%)	193	193	193	193	195	196	198	198	196	193	192	193
Critical Water Years (16%)	199	200	201	190	192	193	194	195	194	192	193	197

Table F.2.7-3-6b. 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	143	163	179	147	101	88	79	72	70	80	96
20% Exceedance	109	127	156	163	124	89	80	71	53	45	63	88
30% Exceedance	106	118	144	147	98	79	74	66	47	41	54	84
40% Exceedance	103	107	134	127	88	73	68	63	45	36	50	77
50% Exceedance	95	91	125	112	83	69	67	59	43	34	42	68
60% Exceedance	36	40	111	80	68	64	61	55	39	31	34	50
70% Exceedance	30	33	93	66	57	59	52	44	36	29	30	40
80% Exceedance	29	31	79	55	40	49	44	36	30	28	29	37
90% Exceedance	28	30	48	34	25	29	22	14	19	27	28	34
Full Simulation Period Average[a]	73	82	115	107	84	69	63	54	44	41	48	64
Wet Water Years (28%)	29	33	84	61	47	41	34	26	26	29	30	36
Above Normal Years (14%)	32	32	102	105	76	65	62	52	39	28	29	40
Below Normal Years (18%)	102	103	120	115	84	72	68	57	42	34	48	80
Dry Water Years (24%)	105	115	126	132	102	78	71	65	46	41	59	80
Critical Water Years (16%)	110	142	158	144	125	105	95	85	78	79	81	91

Table F.2.7-3-6c. Banks Pumping Plant South Delta Exports Chloride, Alt2woTUCPwoVA minus EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-109	-79	-58	-41	-76	-124	-138	-148	-155	-154	-143	-127
20% Exceedance	-102	-85	-56	-48	-91	-127	-139	-148	-164	-168	-148	-122
30% Exceedance	-101	-88	-62	-60	-109	-129	-136	-144	-162	-167	-153	-123
40% Exceedance	-101	-96	-68	-76	-116	-133	-139	-145	-161	-168	-153	-127
50% Exceedance	-106	-109	-75	-88	-119	-134	-137	-145	-160	-166	-158	-132
60% Exceedance	-161	-157	-85	-116	-130	-136	-140	-146	-160	-167	-162	-147
70% Exceedance	-163	-158	-97	-124	-133	-134	-143	-150	-157	-163	-163	-153
80% Exceedance	-157	-154	-106	-130	-145	-138	-145	-154	-158	-159	-157	-149
90% Exceedance	-148	-146	-126	-142	-152	-149	-157	-164	-158	-150	-149	-143
Full Simulation Period Average[a]	-122	-113	-80	-88	-113	-129	-137	-146	-155	-156	-148	-133
Wet Water Years (28%)	-175	-170	-117	-141	-155	-164	-172	-181	-181	-177	-175	-168
Above Normal Years (14%)	-149	-148	-79	-85	-116	-129	-133	-145	-158	-168	-165	-153
Below Normal Years (18%)	-91	-90	-72	-79	-112	-126	-131	-142	-155	-160	-145	-113
Dry Water Years (24%)	-88	-78	-66	-61	-92	-118	-127	-133	-150	-152	-133	-112
Critical Water Years (16%)	-89	-57	-43	-46	-67	-88	-100	-110	-115	-112	-113	-106

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

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

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

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

Table F.2.7-3-7a. Banks Pumping Plant South Delta Exports Chloride, EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	222	222	221	220	223	225	226	227	227	224	223	223
20% Exceedance	211	212	212	211	215	216	218	219	218	213	210	210
30% Exceedance	207	206	206	207	207	209	210	211	209	208	207	207
40% Exceedance	203	203	203	203	204	206	207	208	206	205	203	204
50% Exceedance	201	201	200	201	202	203	204	204	203	200	200	200
60% Exceedance	197	196	196	195	197	200	201	201	199	198	197	197
70% Exceedance	193	192	191	191	191	193	194	195	193	191	192	193
80% Exceedance	186	186	185	186	186	188	189	190	188	187	186	186
90% Exceedance	175	176	174	175	176	178	179	178	177	177	177	177
Full Simulation Period Average[a]	195	195	194	195	196	198	199	200	199	197	196	197
Wet Water Years (28%)	203	203	201	201	202	205	206	206	206	206	205	204
Above Normal Years (14%)	181	181	181	190	192	194	196	197	197	196	194	193
Below Normal Years (18%)	193	193	192	195	196	197	199	199	198	195	193	193
Dry Water Years (24%)	193	193	193	193	195	196	198	198	196	193	192	193
Critical Water Years (16%)	199	200	201	190	192	193	194	195	194	192	193	197

Table F.2.7-3-7b. 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	115	144	163	177	149	113	112	90	72	63	83	97
20% Exceedance	110	128	157	158	126	100	99	84	59	47	64	92
30% Exceedance	106	116	144	140	98	89	92	79	51	41	57	85
40% Exceedance	103	108	133	127	89	82	86	76	49	37	50	78
50% Exceedance	95	95	123	112	83	78	79	73	47	34	45	68
60% Exceedance	35	40	112	80	68	72	71	62	43	32	35	48
70% Exceedance	29	34	93	66	58	67	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	29	19	15	19	27	28	33
Full Simulation Period Average[a]	73	82	115	106	84	77	74	62	46	41	49	65
Wet Water Years (28%)	28	33	85	61	47	43	35	27	26	29	29	36
Above Normal Years (14%)	31	33	104	105	76	75	77	65	42	29	30	39
Below Normal Years (18%)	103	103	122	117	85	87	89	69	45	35	49	83
Dry Water Years (24%)	107	115	125	128	102	88	87	78	52	41	62	83
Critical Water Years (16%)	111	144	160	141	128	112	100	88	79	78	79	92

Table F.2.7-3-7c. Banks Pumping Plant South Delta Exports Chloride, Alt2woTUCPDeltaVA minus EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-108	-77	-58	-43	-74	-112	-114	-136	-155	-162	-141	-126
20% Exceedance	-102	-84	-55	-53	-89	-117	-120	-136	-158	-166	-146	-118
30% Exceedance	-101	-90	-62	-66	-109	-120	-118	-132	-158	-167	-150	-122
40% Exceedance	-100	-95	-69	-75	-116	-124	-121	-132	-157	-167	-153	-126
50% Exceedance	-106	-105	-77	-88	-119	-125	-125	-132	-156	-166	-155	-132
60% Exceedance	-162	-157	-84	-115	-130	-128	-130	-139	-156	-166	-162	-149
70% Exceedance	-164	-158	-97	-124	-133	-126	-133	-146	-156	-162	-163	-154
80% Exceedance	-157	-154	-106	-130	-146	-138	-143	-151	-158	-159	-157	-149
90% Exceedance	-147	-146	-126	-142	-152	-149	-160	-163	-158	-150	-149	-144
Full Simulation Period Average[a]	-122	-113	-79	-89	-112	-121	-126	-138	-153	-156	-147	-131
Wet Water Years (28%)	-175	-169	-116	-140	-155	-162	-170	-179	-181	-177	-175	-168
Above Normal Years (14%)	-150	-148	-77	-85	-116	-120	-119	-132	-155	-166	-164	-155
Below Normal Years (18%)	-91	-90	-71	-78	-111	-111	-109	-130	-153	-160	-144	-110
Dry Water Years (24%)	-86	-78	-67	-65	-93	-108	-110	-120	-144	-152	-130	-109
Critical Water Years (16%)	-88	-56	-41	-49	-64	-81	-95	-107	-114	-113	-114	-105

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

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

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

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

Table F.2.7-3-8a. Banks Pumping Plant South Delta Exports Chloride, EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	222	222	221	220	223	225	226	227	227	224	223	223
20% Exceedance	211	212	212	211	215	216	218	219	218	213	210	210
30% Exceedance	207	206	206	207	207	209	210	211	209	208	207	207
40% Exceedance	203	203	203	203	204	206	207	208	206	205	203	204
50% Exceedance	201	201	200	201	202	203	204	204	203	200	200	200
60% Exceedance	197	196	196	195	197	200	201	201	199	198	197	197
70% Exceedance	193	192	191	191	191	193	194	195	193	191	192	193
80% Exceedance	186	186	185	186	186	188	189	190	188	187	186	186
90% Exceedance	175	176	174	175	176	178	179	178	177	177	177	177
Full Simulation Period Average[a]	195	195	194	195	196	198	199	200	199	197	196	197
Wet Water Years (28%)	203	203	201	201	202	205	206	206	206	206	205	204
Above Normal Years (14%)	181	181	181	190	192	194	196	197	197	196	194	193
Below Normal Years (18%)	193	193	192	195	196	197	199	199	198	195	193	193
Dry Water Years (24%)	193	193	193	193	195	196	198	198	196	193	192	193
Critical Water Years (16%)	199	200	201	190	192	193	194	195	194	192	193	197

Table F.2.7-3-8b. Banks Pumping Plant South Delta Exports Chloride, Alt2woTUCPAllVA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	114	143	162	178	150	113	112	90	73	63	81	96
20% Exceedance	109	126	155	159	121	100	99	84	57	46	65	91
30% Exceedance	106	115	143	139	98	89	92	79	51	41	56	86
40% Exceedance	103	107	132	126	88	82	85	76	48	37	49	79
50% Exceedance	97	99	124	111	82	77	79	73	46	35	44	68
60% Exceedance	34	40	114	80	68	73	71	62	43	31	35	47
70% Exceedance	29	34	94	67	58	67	62	48	37	29	30	38
80% Exceedance	29	31	79	55	40	50	46	38	30	28	29	36
90% Exceedance	28	30	46	34	25	29	19	15	19	27	27	33
Full Simulation Period Average[a]	73	82	115	106	84	77	74	62	46	40	48	65
Wet Water Years (28%)	28	33	85	62	48	43	35	27	26	29	29	36
Above Normal Years (14%)	31	32	104	105	76	75	77	65	42	28	29	38
Below Normal Years (18%)	103	103	121	115	85	87	89	68	44	35	48	83
Dry Water Years (24%)	107	113	124	127	100	87	87	79	51	41	62	84
Critical Water Years (16%)	110	144	160	141	130	113	100	87	77	75	77	90

Table F.2.7-3-8c. Banks Pumping Plant South Delta Exports Chloride, Alt2woTUCPAllVA minus EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-108	-78	-58	-43	-73	-112	-114	-137	-154	-161	-142	-127
20% Exceedance	-103	-85	-57	-51	-94	-117	-120	-136	-160	-167	-146	-119
30% Exceedance	-101	-92	-63	-68	-109	-120	-118	-132	-159	-167	-151	-120
40% Exceedance	-101	-96	-70	-77	-116	-124	-122	-131	-159	-168	-154	-125
50% Exceedance	-104	-102	-76	-90	-120	-125	-125	-132	-157	-165	-156	-132
60% Exceedance	-163	-157	-82	-115	-130	-127	-130	-139	-157	-167	-162	-150
70% Exceedance	-164	-158	-97	-124	-133	-126	-132	-147	-156	-162	-163	-155
80% Exceedance	-157	-154	-106	-130	-145	-138	-143	-152	-158	-159	-157	-150
90% Exceedance	-148	-145	-128	-141	-152	-149	-160	-163	-158	-150	-150	-145
Full Simulation Period Average[a]	-122	-113	-80	-89	-112	-121	-126	-138	-153	-157	-148	-132
Wet Water Years (28%)	-175	-170	-116	-139	-155	-162	-171	-179	-181	-177	-175	-168
Above Normal Years (14%)	-150	-148	-77	-85	-116	-120	-119	-132	-155	-167	-165	-156
Below Normal Years (18%)	-90	-90	-72	-80	-111	-111	-109	-131	-154	-159	-145	-110
Dry Water Years (24%)	-86	-80	-69	-66	-95	-109	-110	-119	-145	-152	-129	-109
Critical Water Years (16%)	-89	-55	-41	-49	-62	-80	-94	-108	-116	-117	-117	-107

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

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

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

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

Table F.2.7-3-9a. Banks Pumping Plant South Delta Exports Chloride, EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	222	222	221	220	223	225	226	227	227	224	223	223
20% Exceedance	211	212	212	211	215	216	218	219	218	213	210	210
30% Exceedance	207	206	206	207	207	209	210	211	209	208	207	207
40% Exceedance	203	203	203	203	204	206	207	208	206	205	203	204
50% Exceedance	201	201	200	201	202	203	204	204	203	200	200	200
60% Exceedance	197	196	196	195	197	200	201	201	199	198	197	197
70% Exceedance	193	192	191	191	191	193	194	195	193	191	192	193
80% Exceedance	186	186	185	186	186	188	189	190	188	187	186	186
90% Exceedance	175	176	174	175	176	178	179	178	177	177	177	177
Full Simulation Period Average[a]	195	195	194	195	196	198	199	200	199	197	196	197
Wet Water Years (28%)	203	203	201	201	202	205	206	206	206	206	205	204
Above Normal Years (14%)	181	181	181	190	192	194	196	197	197	196	194	193
Below Normal Years (18%)	193	193	192	195	196	197	199	199	198	195	193	193
Dry Water Years (24%)	193	193	193	193	195	196	198	198	196	193	192	193
Critical Water Years (16%)	199	200	201	190	192	193	194	195	194	192	193	197

Table F.2.7-3-9b. 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	168	178	149	96	91	82	78	82	102	113
20% Exceedance	112	127	156	159	124	88	80	71	53	45	65	92
30% Exceedance	107	119	146	147	97	80	73	66	47	41	55	85
40% Exceedance	104	106	137	134	89	73	68	63	45	36	51	80
50% Exceedance	95	93	127	110	83	69	67	59	43	34	44	70
60% Exceedance	36	40	111	80	68	64	62	55	39	31	34	50
70% Exceedance	30	33	93	66	58	59	51	43	36	29	30	41
80% Exceedance	29	31	79	55	40	49	44	36	29	28	29	37
90% Exceedance	28	30	48	34	25	29	22	15	19	27	28	34
Full Simulation Period Average[a]	75	82	116	107	83	69	63	55	46	43	52	68
Wet Water Years (28%)	29	33	84	61	47	41	34	26	26	29	30	36
Above Normal Years (14%)	32	33	102	105	76	65	62	52	39	28	29	40
Below Normal Years (18%)	103	102	121	112	83	72	69	57	42	34	49	83
Dry Water Years (24%)	105	115	127	134	103	79	71	65	46	41	59	80
Critical Water Years (16%)	121	147	165	143	122	100	95	91	90	94	102	112

Table F.2.7-3-9c. Banks Pumping Plant South Delta Exports Chloride, Alt2wTUCPwoVA minus EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-104	-76	-53	-42	-74	-129	-135	-145	-149	-142	-122	-109
20% Exceedance	-99	-84	-56	-51	-91	-128	-138	-148	-165	-168	-145	-118
30% Exceedance	-100	-87	-61	-60	-110	-128	-137	-145	-162	-167	-152	-122
40% Exceedance	-100	-97	-66	-69	-115	-133	-139	-145	-161	-168	-152	-124
50% Exceedance	-106	-107	-73	-91	-119	-134	-137	-145	-161	-166	-156	-130
60% Exceedance	-161	-157	-85	-115	-130	-136	-139	-146	-160	-167	-163	-147
70% Exceedance	-163	-158	-97	-125	-133	-134	-143	-151	-157	-163	-163	-153
80% Exceedance	-157	-154	-106	-130	-145	-138	-145	-154	-159	-159	-157	-149
90% Exceedance	-148	-146	-126	-142	-152	-149	-157	-164	-158	-150	-149	-143
Full Simulation Period Average[a]	-120	-113	-79	-88	-113	-130	-137	-145	-153	-154	-145	-129
Wet Water Years (28%)	-175	-170	-117	-141	-155	-164	-172	-181	-181	-177	-175	-168
Above Normal Years (14%)	-150	-148	-79	-85	-116	-129	-133	-145	-158	-168	-165	-153
Below Normal Years (18%)	-91	-91	-71	-82	-113	-125	-130	-142	-156	-160	-144	-110
Dry Water Years (24%)	-88	-79	-66	-59	-92	-118	-127	-133	-150	-152	-133	-112
Critical Water Years (16%)	-78	-52	-36	-47	-69	-93	-100	-104	-104	-98	-92	-85

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

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

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

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

Table F.2.7-3-10a. Banks Pumping Plant South Delta Exports Chloride, EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	222	222	221	220	223	225	226	227	227	224	223	223
20% Exceedance	211	212	212	211	215	216	218	219	218	213	210	210
30% Exceedance	207	206	206	207	207	209	210	211	209	208	207	207
40% Exceedance	203	203	203	203	204	206	207	208	206	205	203	204
50% Exceedance	201	201	200	201	202	203	204	204	203	200	200	200
60% Exceedance	197	196	196	195	197	200	201	201	199	198	197	197
70% Exceedance	193	192	191	191	191	193	194	195	193	191	192	193
80% Exceedance	186	186	185	186	186	188	189	190	188	187	186	186
90% Exceedance	175	176	174	175	176	178	179	178	177	177	177	177
Full Simulation Period Average[a]	195	195	194	195	196	198	199	200	199	197	196	197
Wet Water Years (28%)	203	203	201	201	202	205	206	206	206	206	205	204
Above Normal Years (14%)	181	181	181	190	192	194	196	197	197	196	194	193
Below Normal Years (18%)	193	193	192	195	196	197	199	199	198	195	193	193
Dry Water Years (24%)	193	193	193	193	195	196	198	198	196	193	192	193
Critical Water Years (16%)	199	200	201	190	192	193	194	195	194	192	193	197

Table F.2.7-3-10b. 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 Water Years (28%)	28	33	85	63	48	42	34	30	28	29	29	34
Above Normal Years (14%)	31	33	104	106	76	66	66	65	43	28	28	36
Below Normal Years (18%)	102	104	123	114	82	71	69	65	45	34	46	82
Dry Water Years (24%)	103	113	126	130	102	77	71	71	48	39	57	77
Critical Water Years (16%)	122	146	170	140	123	100	94	94	93	97	105	115

Table F.2.7-3-10c. Banks Pumping Plant South Delta Exports Chloride, NAA minus EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-102	-78	-54	-38	-77	-127	-132	-139	-147	-134	-117	-109
20% Exceedance	-101	-88	-54	-54	-88	-129	-140	-137	-164	-168	-145	-117
30% Exceedance	-99	-88	-58	-64	-110	-129	-136	-135	-160	-169	-153	-123
40% Exceedance	-103	-92	-64	-74	-115	-133	-138	-139	-159	-169	-156	-126
50% Exceedance	-108	-101	-71	-89	-121	-135	-137	-138	-157	-166	-160	-136
60% Exceedance	-163	-156	-84	-115	-132	-137	-138	-139	-156	-167	-164	-152
70% Exceedance	-163	-158	-95	-125	-136	-135	-137	-140	-153	-163	-163	-158
80% Exceedance	-158	-154	-106	-131	-146	-138	-146	-145	-154	-159	-158	-152
90% Exceedance	-148	-145	-126	-141	-151	-150	-160	-164	-157	-151	-150	-145
Full Simulation Period Average[a]	-121	-113	-77	-88	-113	-130	-136	-139	-151	-154	-145	-130
Wet Water Years (28%)	-175	-170	-115	-138	-155	-163	-172	-176	-179	-177	-176	-169
Above Normal Years (14%)	-150	-148	-77	-84	-117	-128	-129	-131	-154	-167	-166	-157
Below Normal Years (18%)	-92	-89	-70	-81	-114	-126	-129	-134	-153	-160	-147	-111
Dry Water Years (24%)	-90	-80	-67	-63	-93	-119	-127	-128	-148	-154	-135	-116
Critical Water Years (16%)	-77	-53	-31	-51	-69	-93	-100	-101	-100	-95	-88	-82

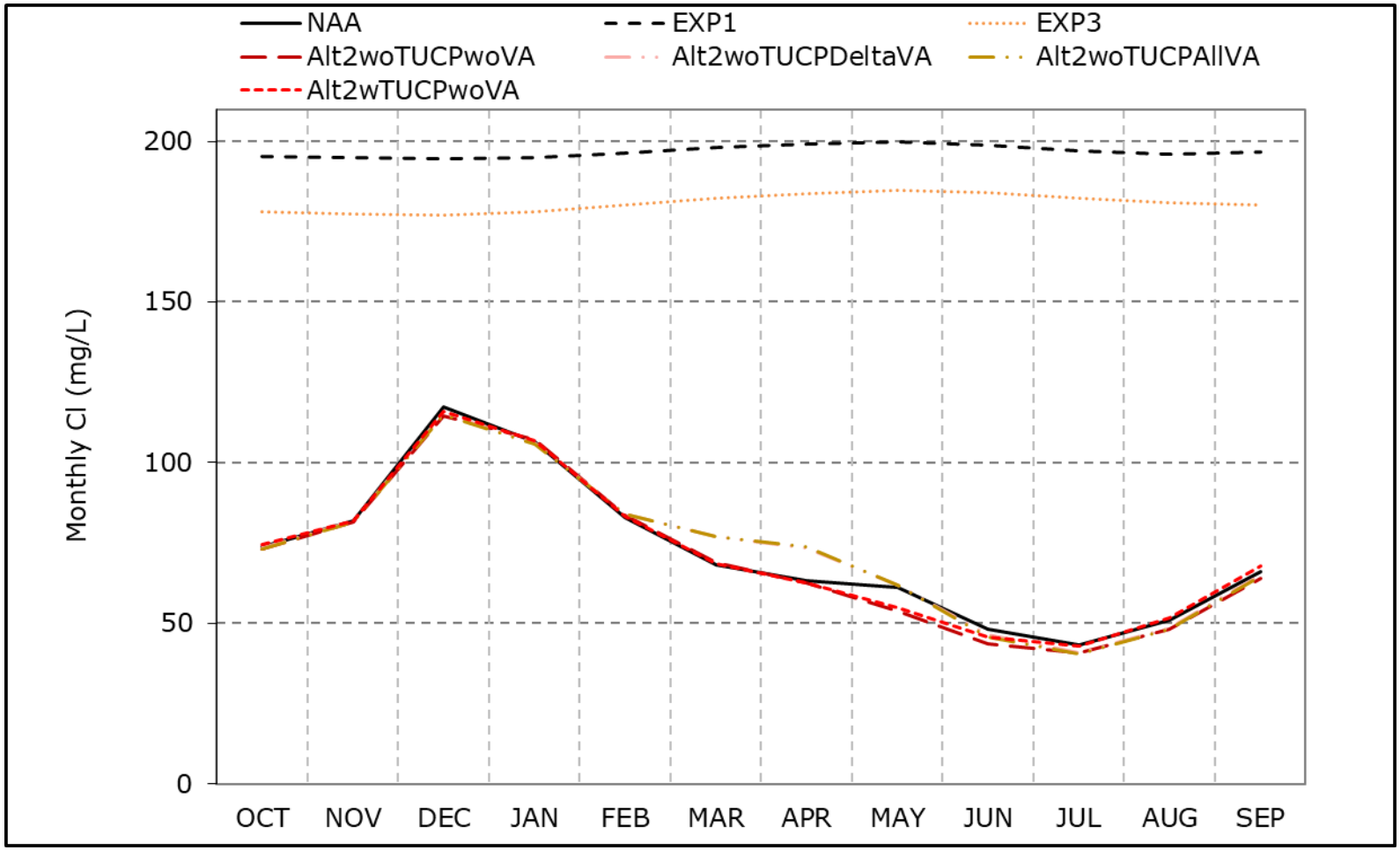
[a] Based on the 100-year simulation period.

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

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

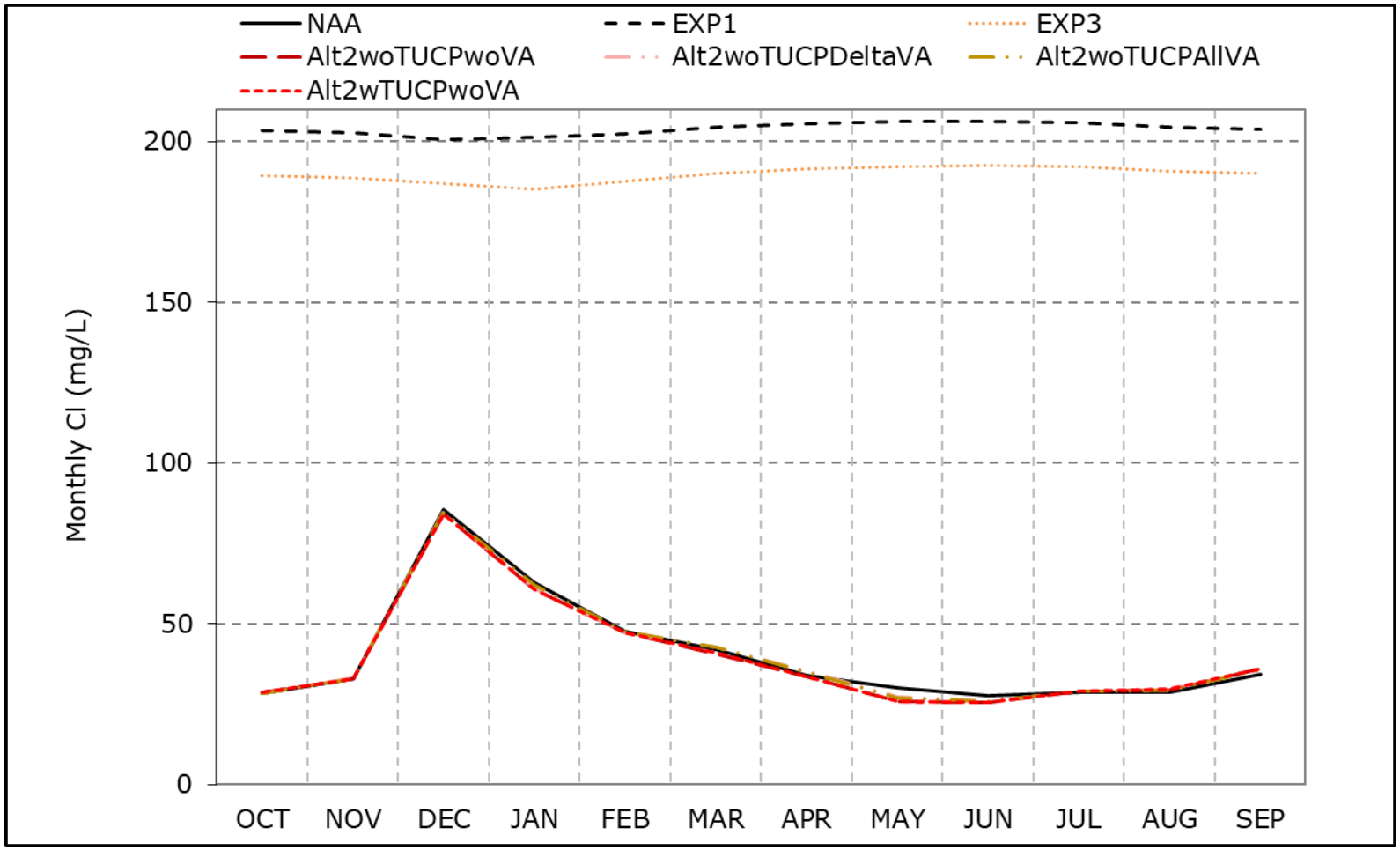
* These results are displayed with calendar year - year type sorting.

Figure F.2.7-3-1. Banks Pumping Plant South Delta Exports Chloride, Long-Term Average Cl



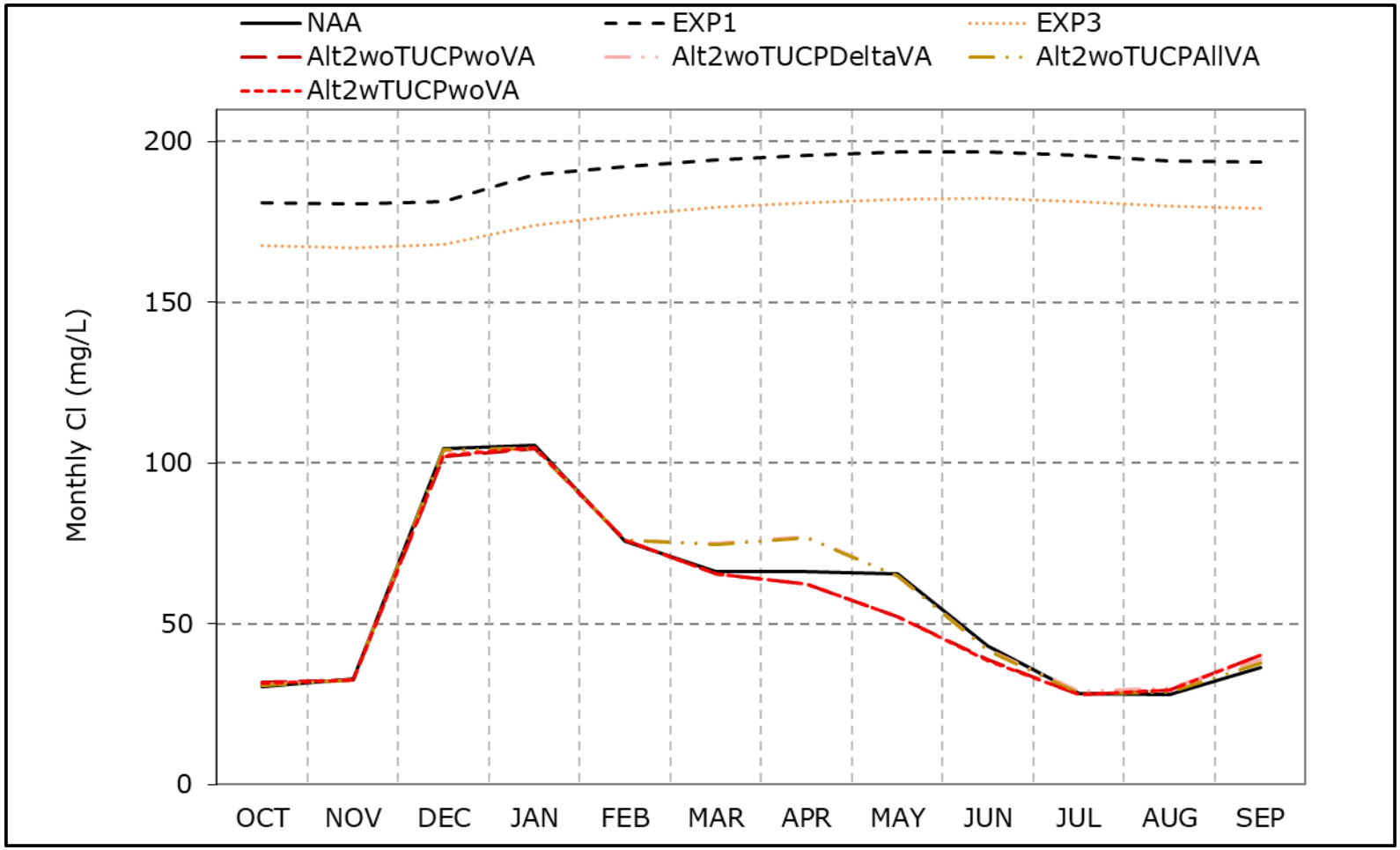
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-3-2. Banks Pumping Plant South Delta Exports Chloride, Wet Year Average Cl



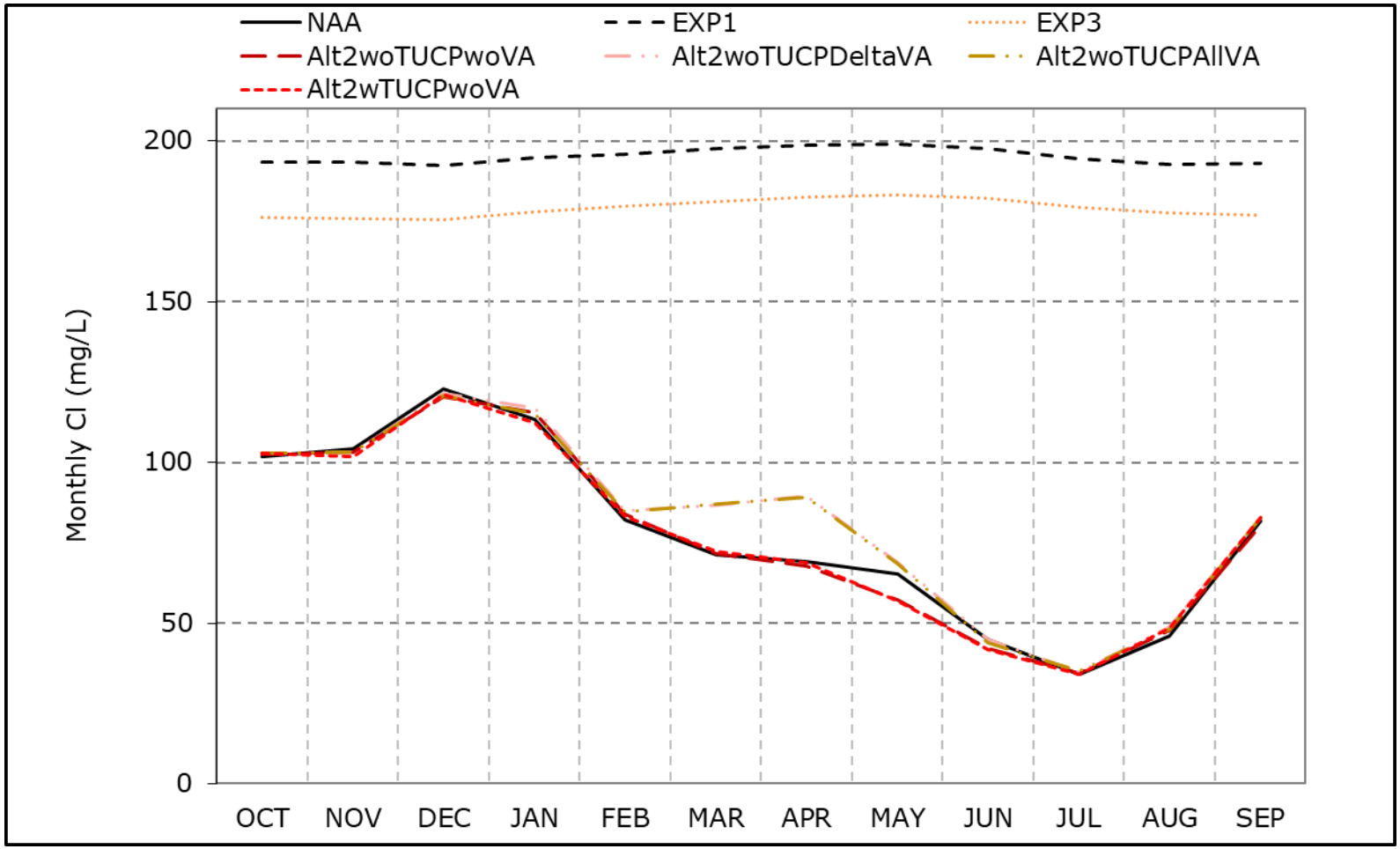
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-3-3. Banks Pumping Plant South Delta Exports Chloride, Above Normal Year Average Cl



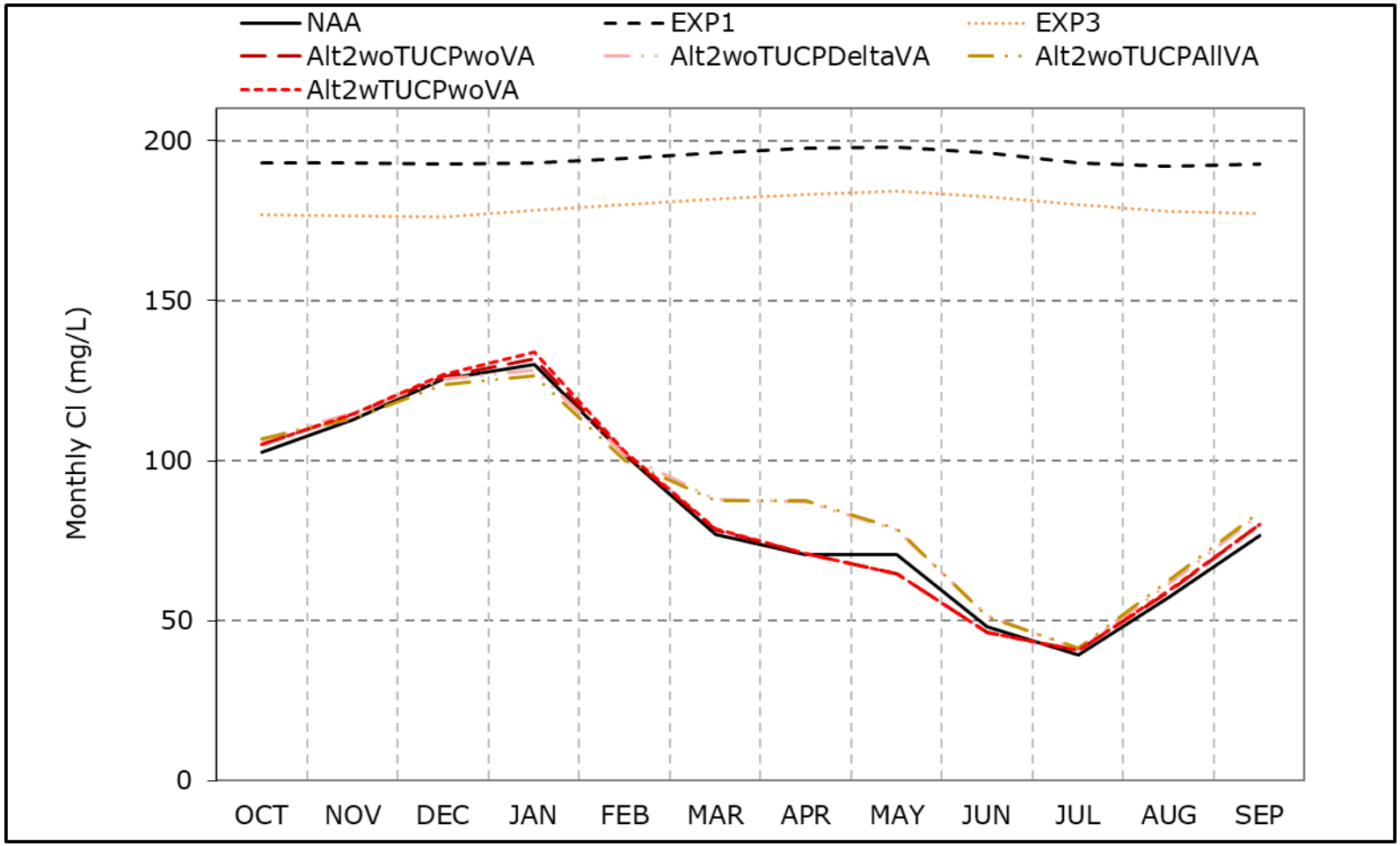
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-3-4. Banks Pumping Plant South Delta Exports Chloride, Below Normal Year Average Cl



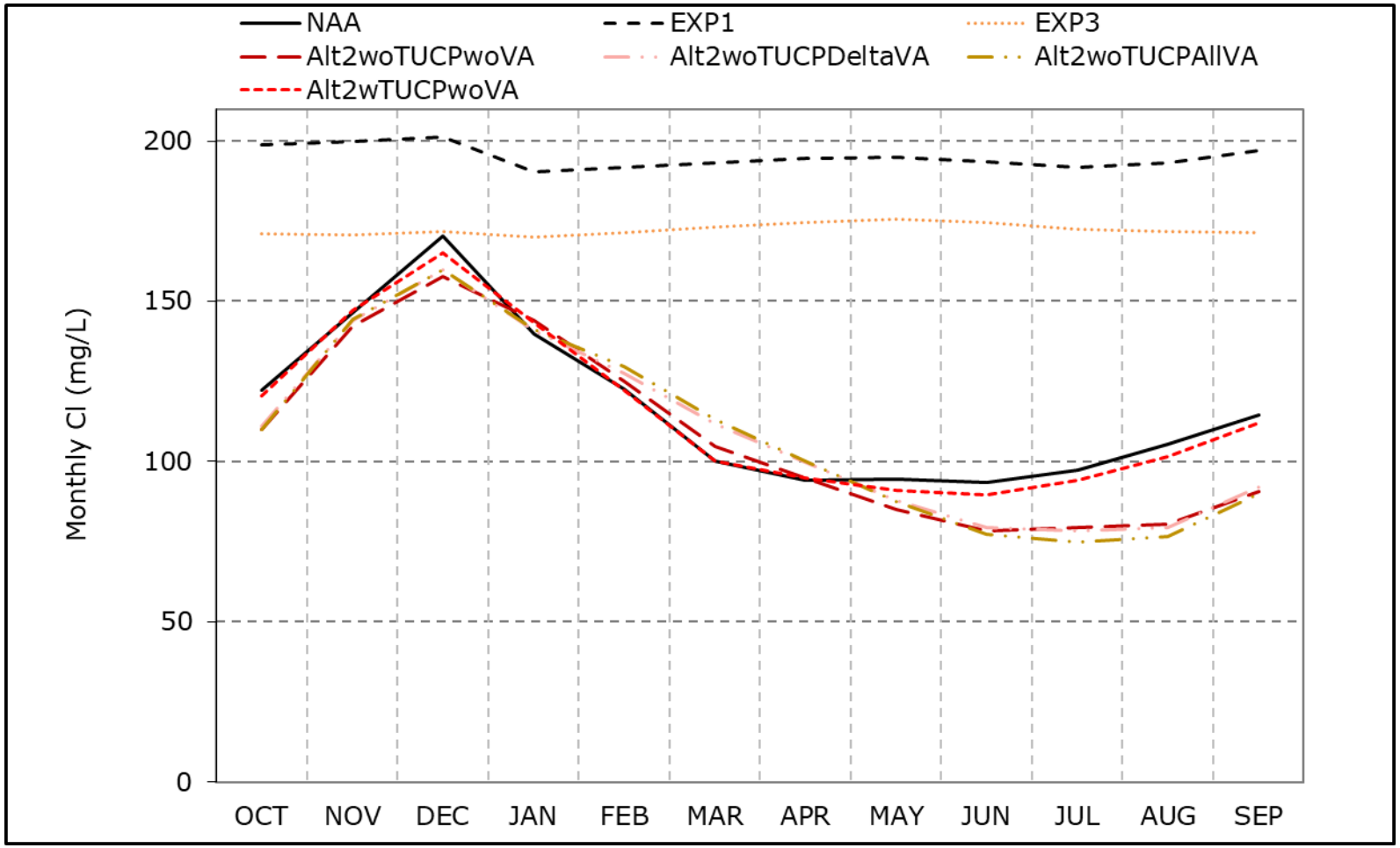
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-3-5. Banks Pumping Plant South Delta Exports Chloride, Dry Year Average Cl



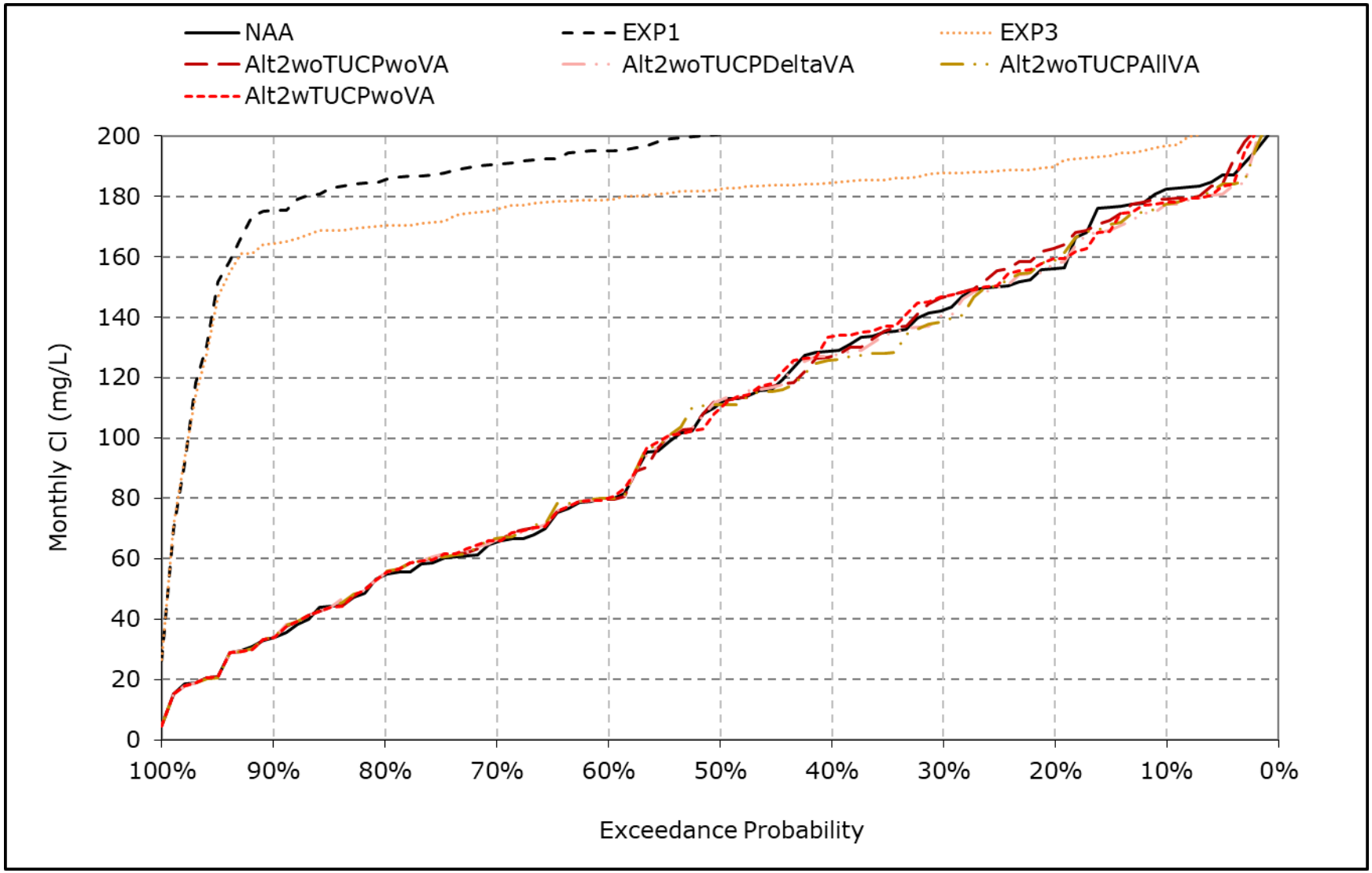
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-3-6. Banks Pumping Plant South Delta Exports Chloride, Critical Year Average Cl



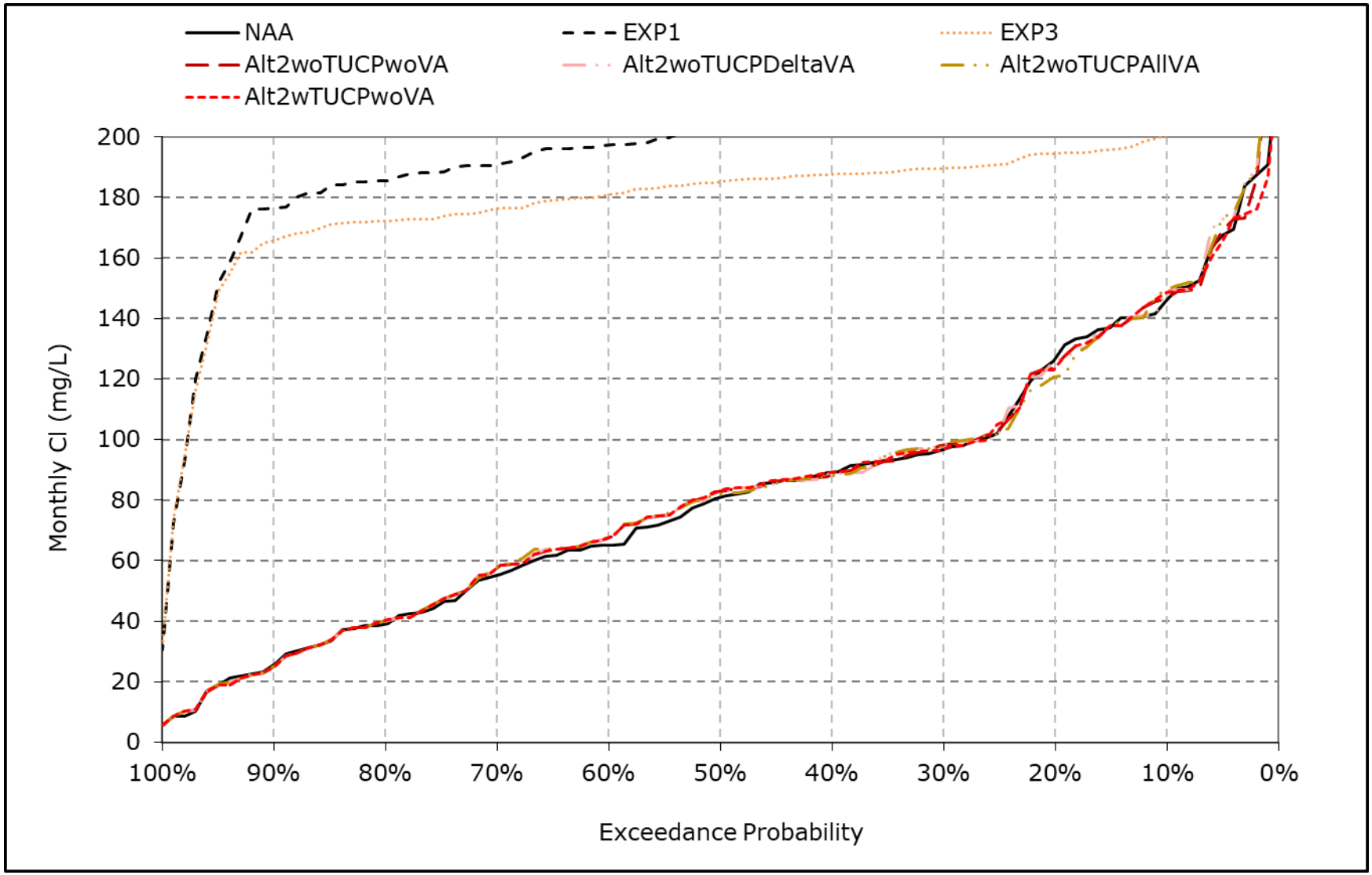
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-3-7. Banks Pumping Plant South Delta Exports Chloride, January Cl



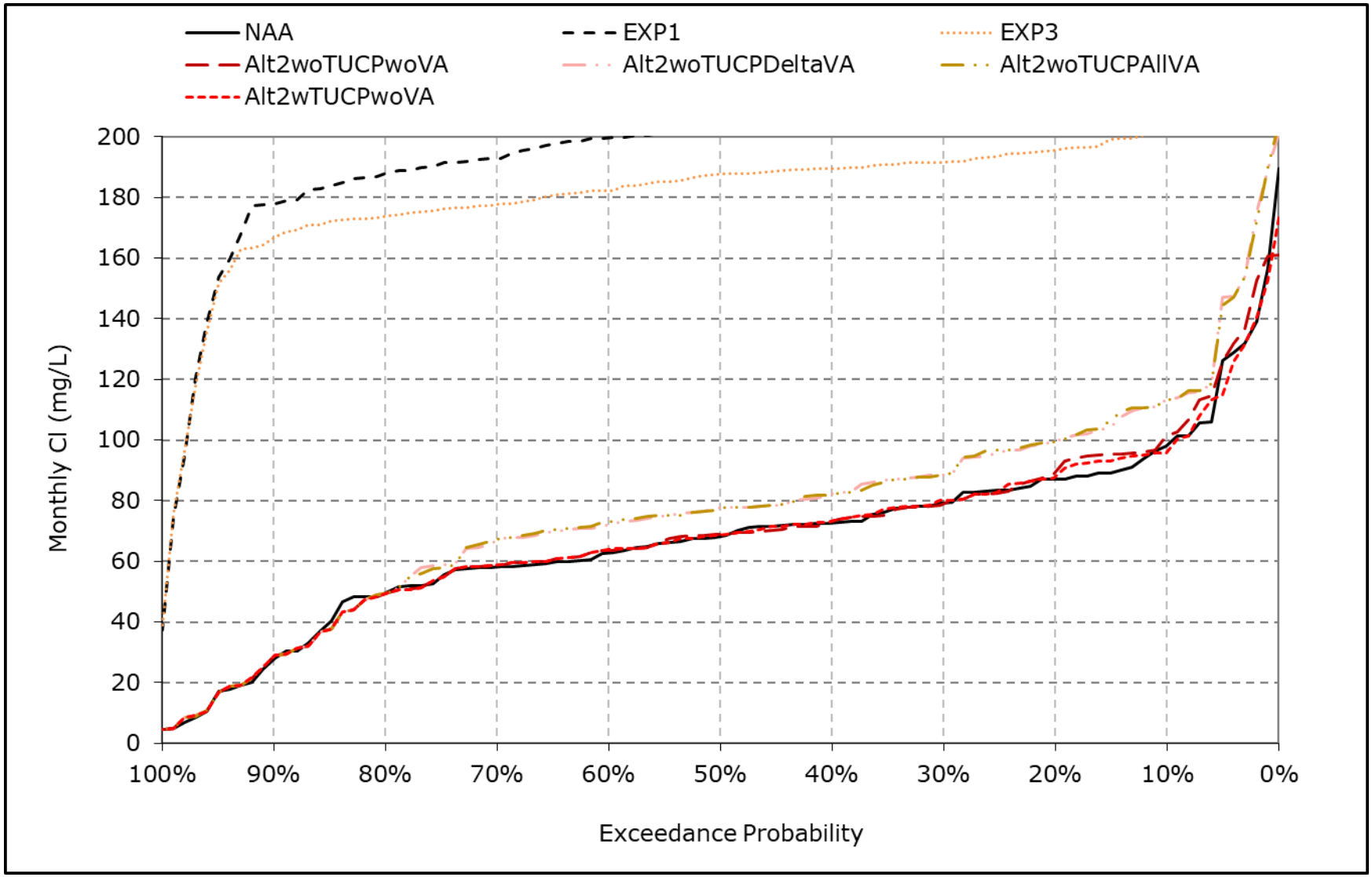
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-3-8. Banks Pumping Plant South Delta Exports Chloride, February Cl



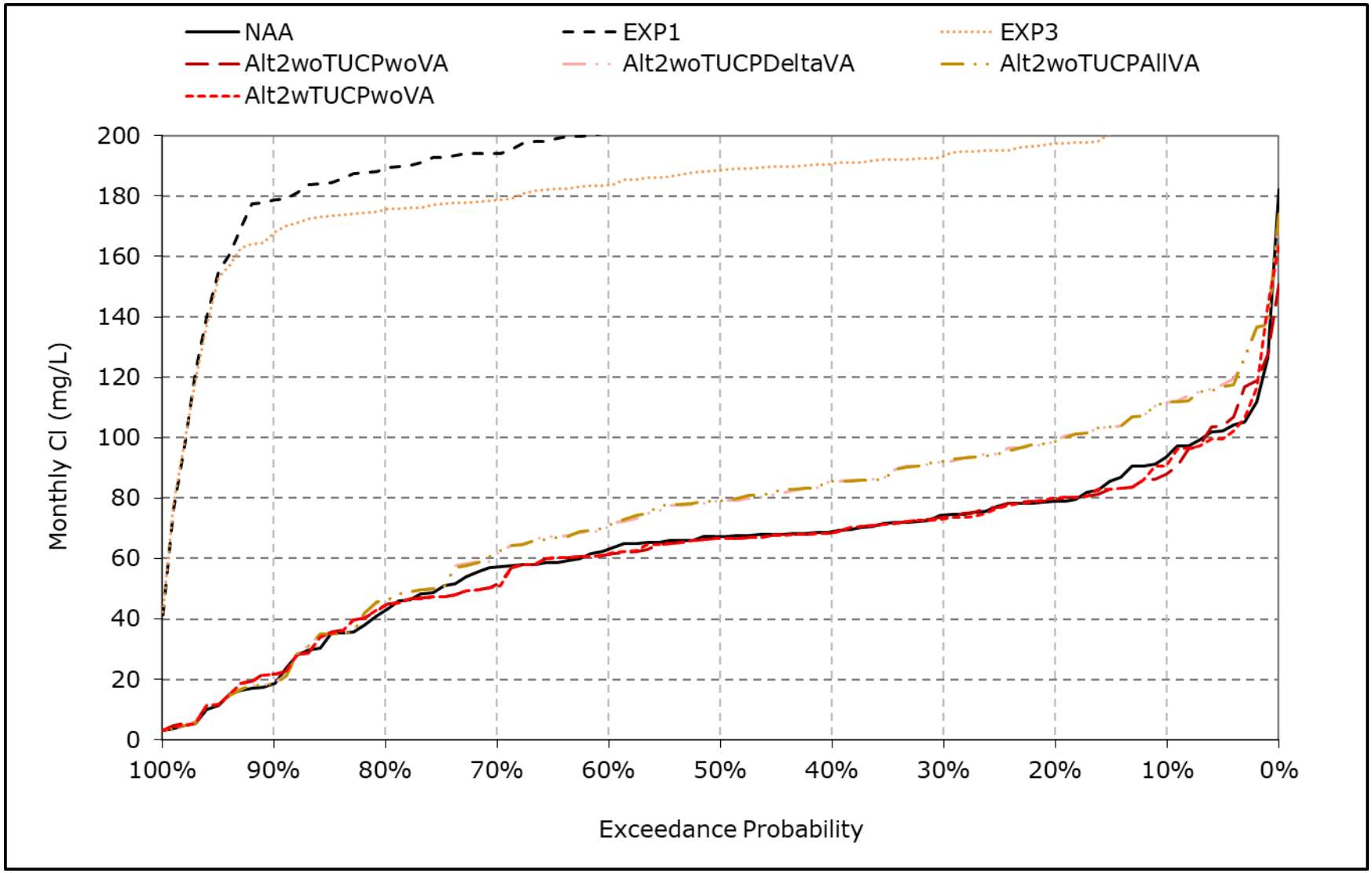
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-3-9. Banks Pumping Plant South Delta Exports Chloride, March Cl



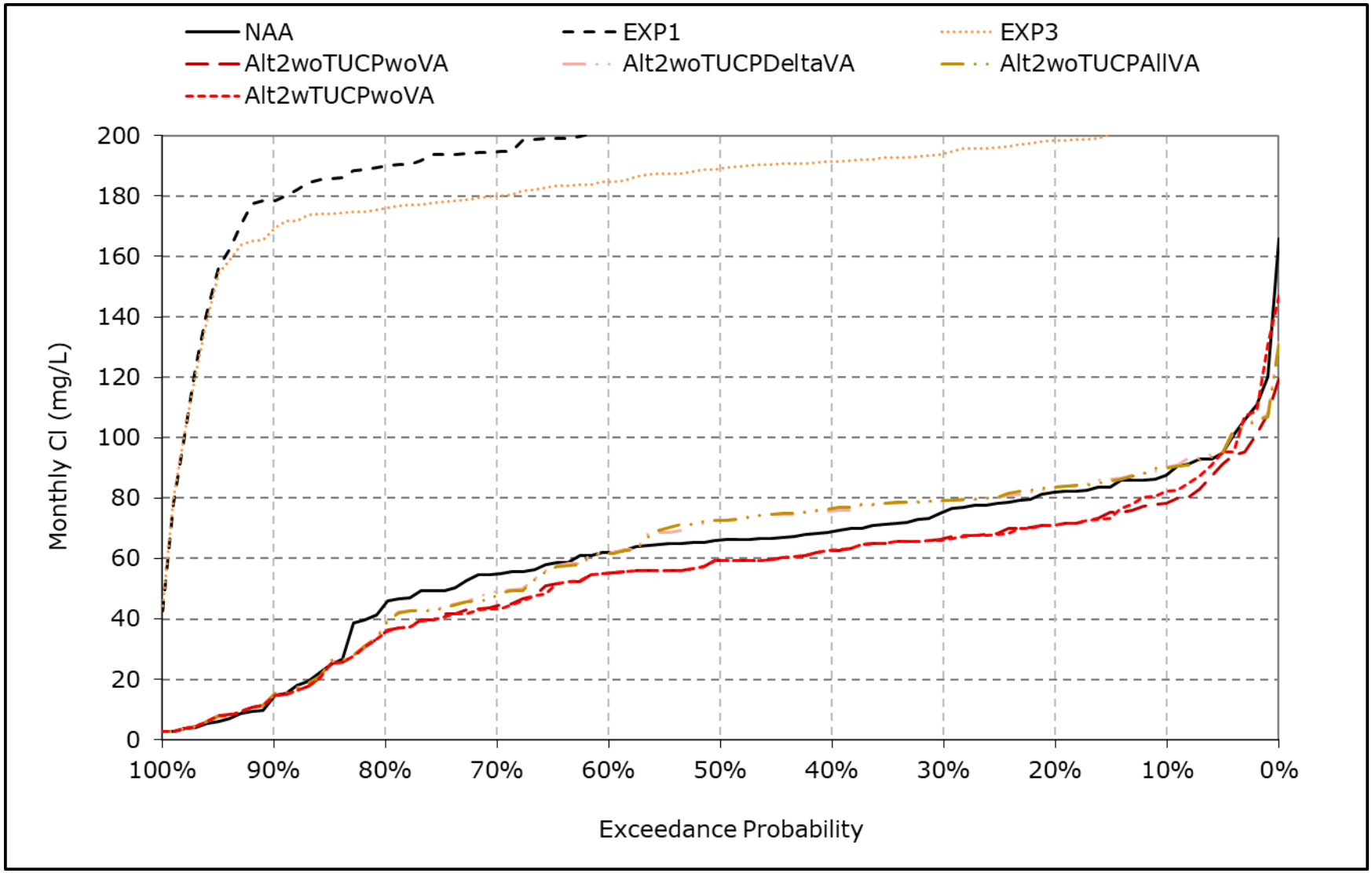
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-3-10. Banks Pumping Plant South Delta Exports Chloride, April Cl



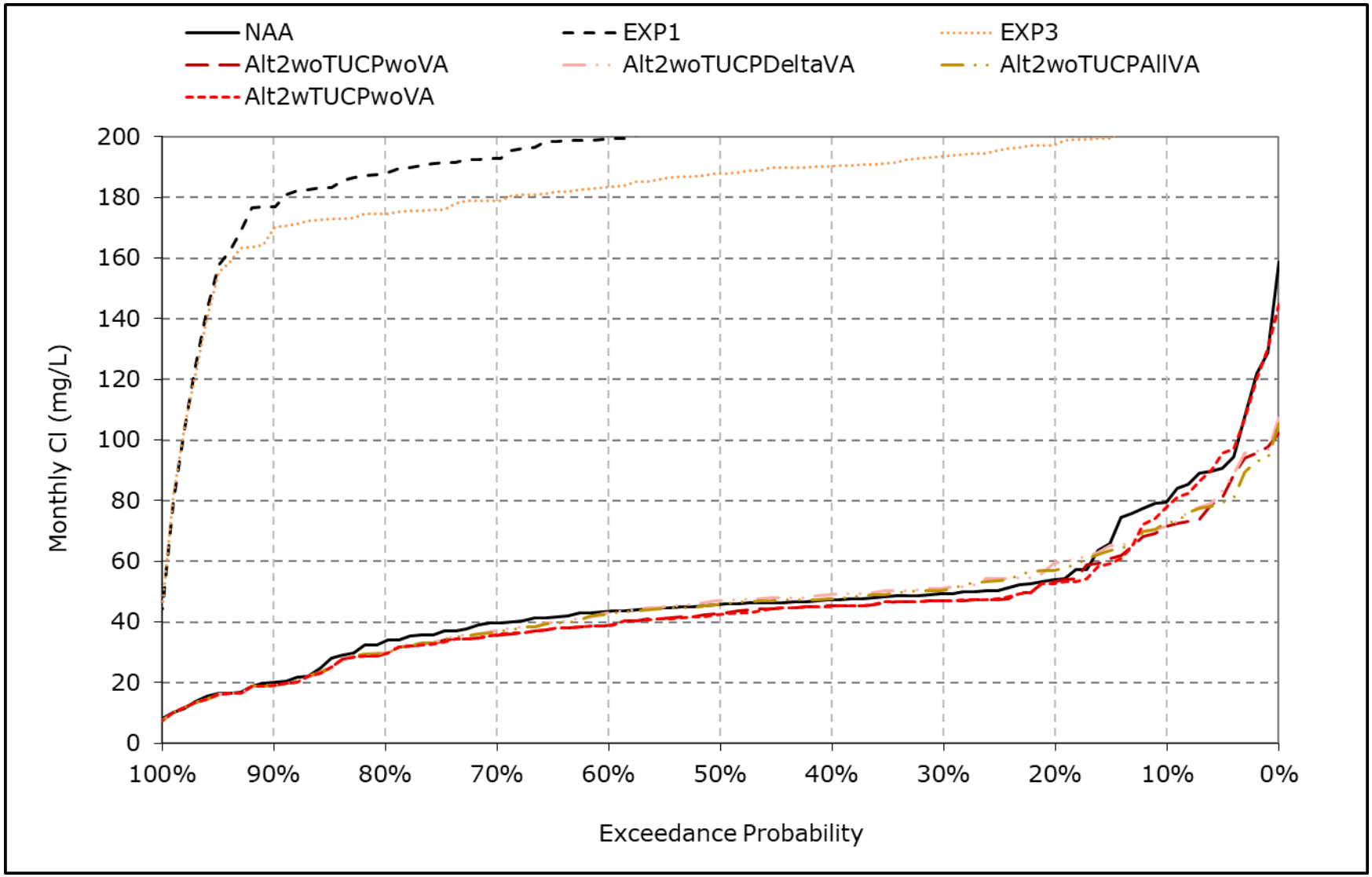
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-3-11. Banks Pumping Plant South Delta Exports Chloride, May Cl



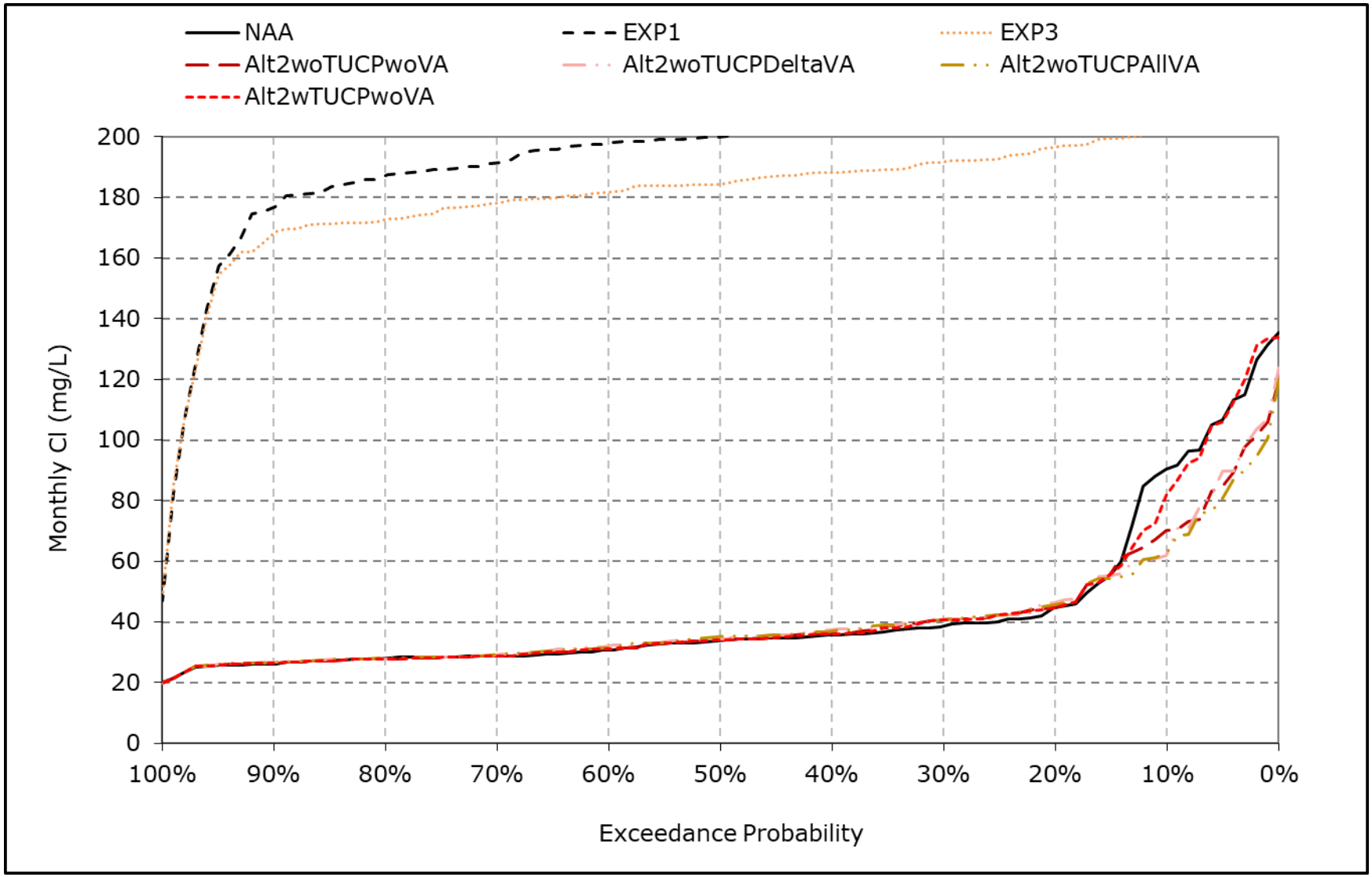
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-3-12. Banks Pumping Plant South Delta Exports Chloride, June Cl



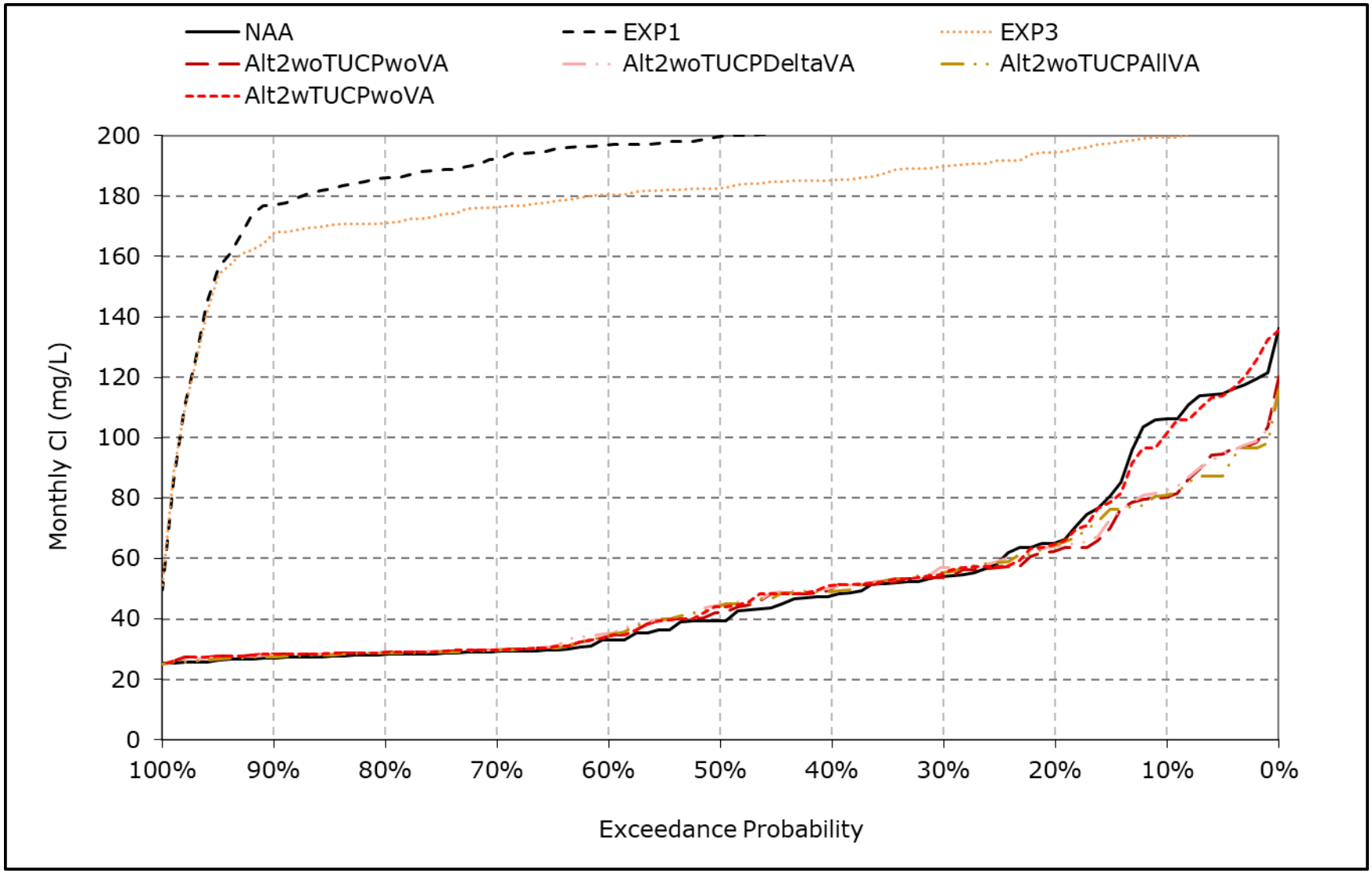
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-3-13. Banks Pumping Plant South Delta Exports Chloride, July Cl



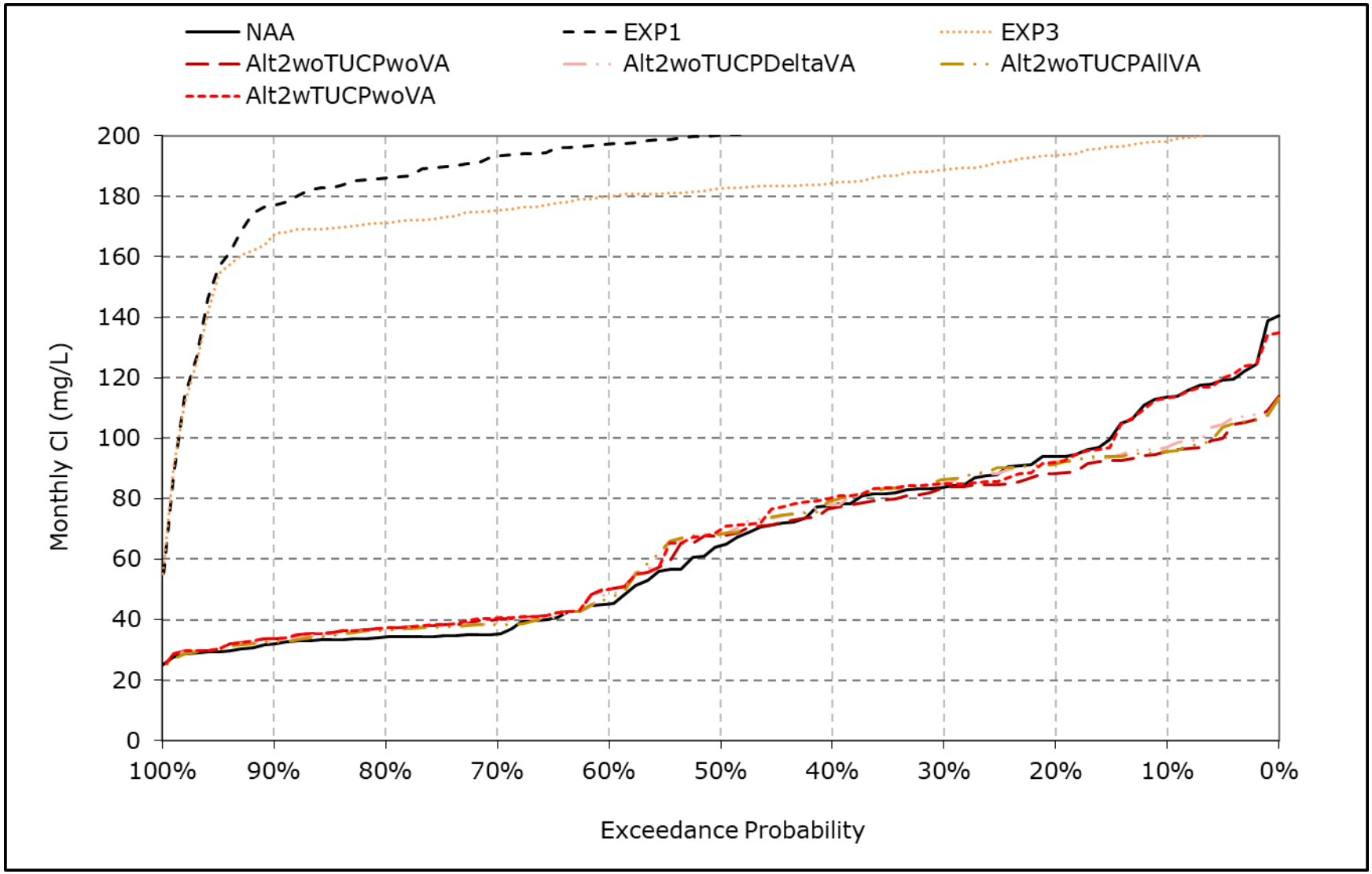
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-3-14. Banks Pumping Plant South Delta Exports Chloride, August Cl



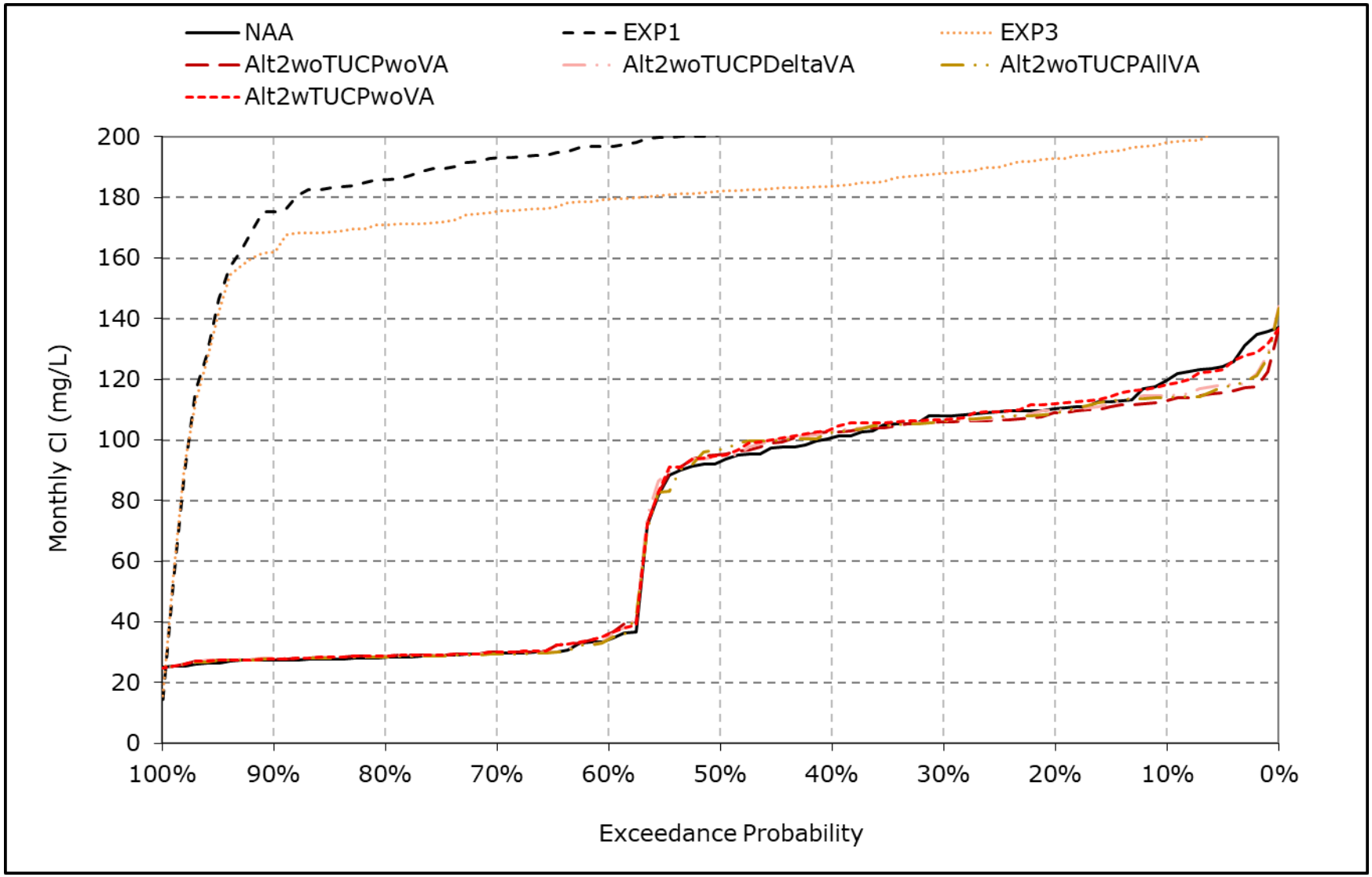
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-3-15. Banks Pumping Plant South Delta Exports Chloride, September Cl



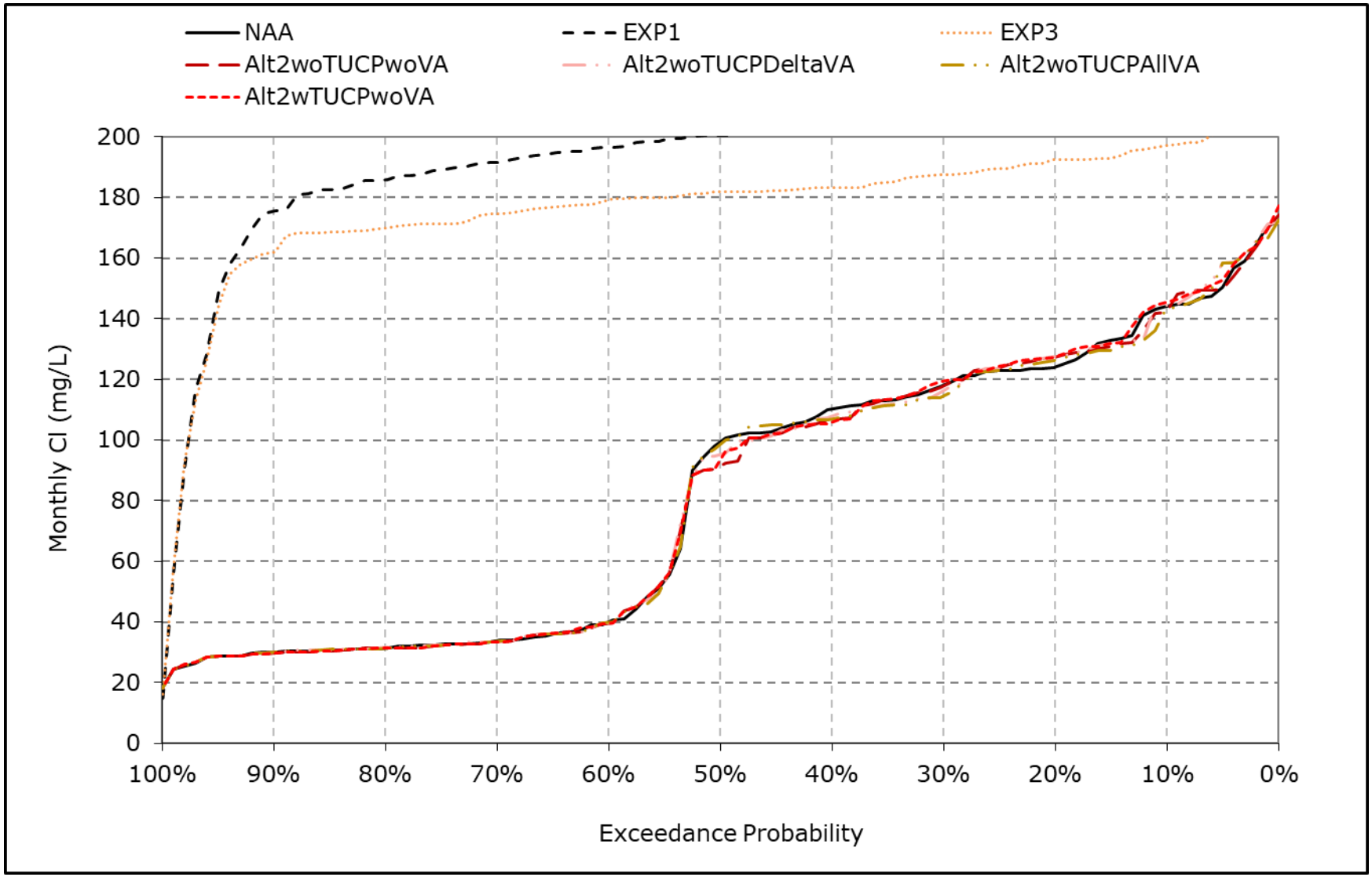
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-3-16. Banks Pumping Plant South Delta Exports Chloride, October Cl



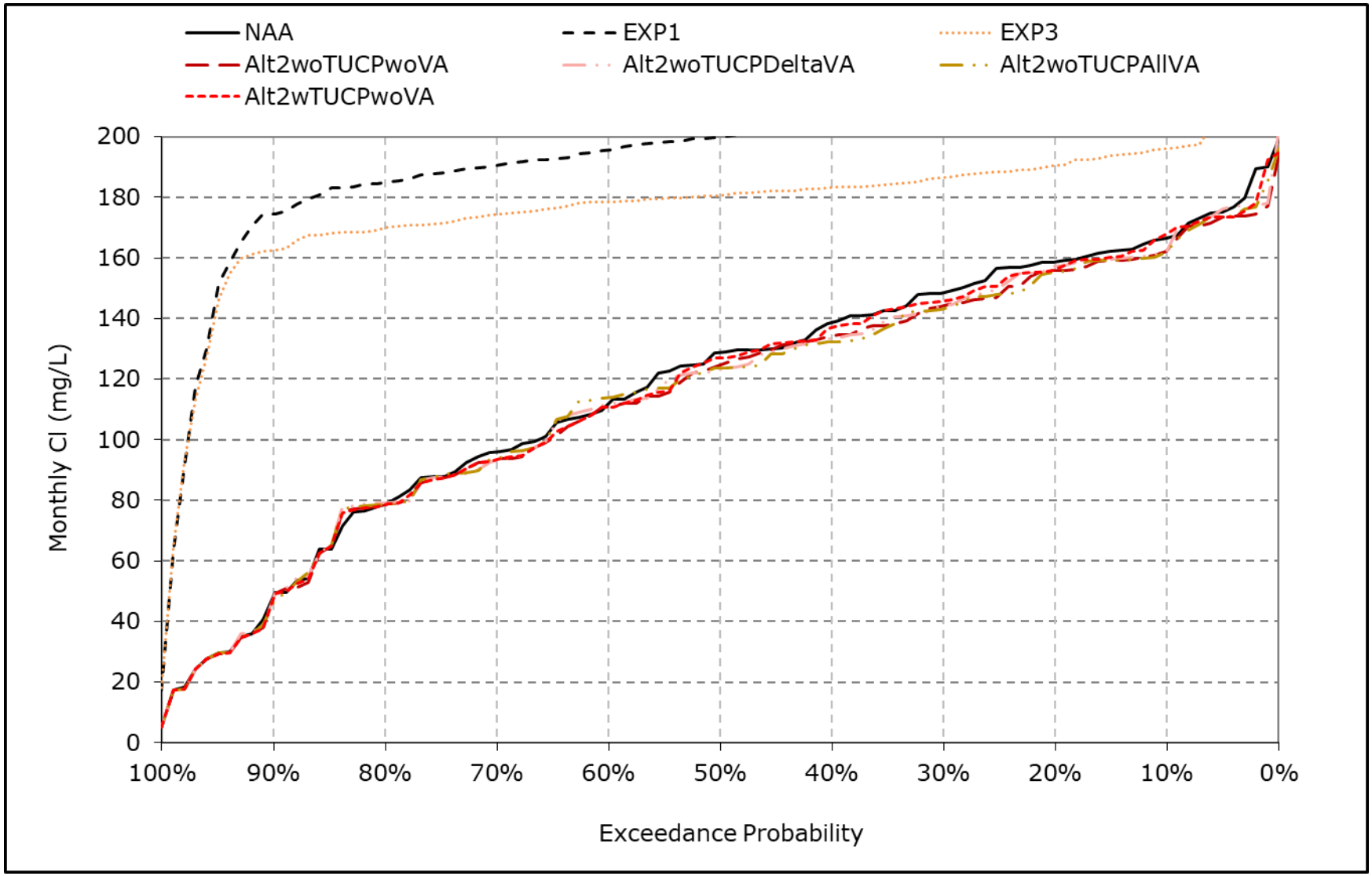
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-3-17. 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.2.7-3-18. Banks Pumping Plant South Delta Exports Chloride, December Cl



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

Table F.2.7-4-1a. 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 Water Years (28%)	54	61	104	78	59	46	33	25	36	48	46	50
Above Normal Years (14%)	63	61	130	120	95	84	72	61	52	47	44	51
Below Normal Years (18%)	113	119	133	122	101	103	85	69	55	50	61	91
Dry Water Years (24%)	119	128	136	134	123	114	104	82	56	52	70	89
Critical Water Years (16%)	130	158	168	145	136	134	123	102	101	103	113	121

Table F.2.7-4-1b. 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	166	171	157	139	116	95	84	78	90	103
20% Exceedance	126	151	159	161	139	129	109	84	67	64	74	98
30% Exceedance	122	133	155	151	126	120	105	81	60	59	69	93
40% Exceedance	117	121	151	136	114	115	102	80	58	55	65	90
50% Exceedance	111	110	141	123	107	109	96	72	57	51	59	82
60% Exceedance	70	72	132	111	98	93	75	61	54	49	53	59
70% Exceedance	61	64	113	95	87	65	53	48	51	46	50	55
80% Exceedance	56	58	98	78	50	51	38	27	45	44	47	53
90% Exceedance	51	56	70	39	19	24	17	7	28	41	44	49
Full Simulation Period Average[a]	94	103	128	117	100	94	78	61	56	56	62	76
Wet Water Years (28%)	54	61	103	77	58	46	33	24	36	49	48	51
Above Normal Years (14%)	64	60	128	121	96	84	71	56	52	46	47	55
Below Normal Years (18%)	115	118	131	124	102	102	85	67	56	51	63	89
Dry Water Years (24%)	121	129	136	135	124	115	104	80	59	54	72	92
Critical Water Years (16%)	131	163	161	148	137	144	116	94	88	84	85	102

Table F.2.7-4-1c. 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	-2	1	1	2	-5	-3	-12	-24	-22	-14
20% Exceedance	1	5	-3	2	0	3	-3	-4	4	2	-4	-2
30% Exceedance	4	1	-1	-1	3	1	-1	-2	1	3	1	0
40% Exceedance	0	-2	-3	-1	-1	1	-1	-2	1	2	2	0
50% Exceedance	1	-2	-3	2	3	1	-1	-5	1	0	2	1
60% Exceedance	2	-1	-2	0	1	-2	2	-3	1	0	2	3
70% Exceedance	1	1	-3	1	2	-1	0	-2	0	0	2	3
80% Exceedance	1	0	1	2	0	-1	0	-1	-1	0	3	2
90% Exceedance	1	0	-2	0	0	-2	0	0	0	1	2	0
Full Simulation Period Average[a]	1	1	-2	1	0	1	-1	-3	-1	-2	-3	-2
Wet Water Years (28%)	0	0	-1	-1	-1	0	0	-1	0	1	2	1
Above Normal Years (14%)	1	-1	-2	1	0	0	-1	-4	0	-1	2	4
Below Normal Years (18%)	2	-1	-2	1	1	-1	0	-2	1	1	2	-2
Dry Water Years (24%)	2	1	0	1	1	1	0	-2	2	2	3	3
Critical Water Years (16%)	1	5	-7	3	1	10	-7	-8	-13	-20	-28	-19

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

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

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

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

Table F.2.7-4-2a. 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 Water Years (28%)	54	61	104	78	59	46	33	25	36	48	46	50
Above Normal Years (14%)	63	61	130	120	95	84	72	61	52	47	44	51
Below Normal Years (18%)	113	119	133	122	101	103	85	69	55	50	61	91
Dry Water Years (24%)	119	128	136	134	123	114	104	82	56	52	70	89
Critical Water Years (16%)	130	158	168	145	136	134	123	102	101	103	113	121

Table F.2.7-4-2b. 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	131	161	168	168	154	160	126	99	85	79	90	104
20% Exceedance	126	151	161	160	139	151	119	92	67	63	76	101
30% Exceedance	122	135	156	147	126	139	114	87	62	59	70	95
40% Exceedance	117	121	150	135	114	132	110	84	60	55	66	90
50% Exceedance	111	113	141	124	108	119	101	78	58	52	62	85
60% Exceedance	69	72	132	111	98	98	77	64	56	50	53	59
70% Exceedance	60	65	113	95	87	68	53	50	53	47	50	55
80% Exceedance	56	60	99	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	103	129	116	100	104	83	64	57	56	63	77
Wet Water Years (28%)	54	61	103	77	58	48	33	25	36	49	48	51
Above Normal Years (14%)	63	61	130	121	96	94	76	61	53	47	47	54
Below Normal Years (18%)	115	118	132	124	102	122	92	71	57	52	64	91
Dry Water Years (24%)	121	129	135	133	124	130	114	86	60	54	74	94
Critical Water Years (16%)	133	164	163	146	141	149	118	95	89	83	85	103

Table F.2.7-4-2c. 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	4	0	-2	-1	22	5	1	-10	-23	-22	-13
20% Exceedance	1	5	-2	1	0	26	7	4	4	1	-3	0
30% Exceedance	3	3	-1	-5	3	20	8	4	2	3	2	2
40% Exceedance	0	-3	-3	-1	0	19	8	3	3	3	3	1
50% Exceedance	1	0	-3	2	4	11	4	1	2	1	4	4
60% Exceedance	1	0	-2	0	1	4	5	1	2	1	2	2
70% Exceedance	-1	1	-3	1	2	2	0	0	2	1	3	3
80% Exceedance	1	1	1	2	0	-1	0	-1	1	0	3	2
90% Exceedance	1	0	-1	0	0	-2	0	0	0	1	1	0
Full Simulation Period Average[a]	1	1	-1	0	1	11	4	0	0	-2	-2	-1
Wet Water Years (28%)	0	0	-1	0	-1	2	1	0	1	2	2	1
Above Normal Years (14%)	0	0	0	1	0	9	5	1	1	1	3	3
Below Normal Years (18%)	2	-1	-1	2	2	19	7	2	2	2	3	0
Dry Water Years (24%)	2	2	-1	-1	1	16	10	4	4	2	4	6
Critical Water Years (16%)	3	6	-6	1	5	15	-5	-7	-12	-20	-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.

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

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

Table F.2.7-4-3a. 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 Water Years (28%)	54	61	104	78	59	46	33	25	36	48	46	50
Above Normal Years (14%)	63	61	130	120	95	84	72	61	52	47	44	51
Below Normal Years (18%)	113	119	133	122	101	103	85	69	55	50	61	91
Dry Water Years (24%)	119	128	136	134	123	114	104	82	56	52	70	89
Critical Water Years (16%)	130	158	168	145	136	134	123	102	101	103	113	121

Table F.2.7-4-3b. Jones Pumping Plant South Delta Exports Chloride, Alt2woTUCPAllVA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	131	160	168	170	153	160	126	98	84	75	87	104
20% Exceedance	125	144	161	160	136	151	119	93	66	64	75	100
30% Exceedance	122	134	156	147	125	139	114	87	61	59	69	96
40% Exceedance	117	119	150	133	114	132	110	84	59	57	66	91
50% Exceedance	111	113	140	123	107	119	101	77	57	52	61	84
60% Exceedance	68	72	132	112	99	98	77	64	55	49	54	59
70% Exceedance	60	64	113	95	87	68	53	50	53	47	50	54
80% Exceedance	56	59	99	79	50	51	38	28	46	45	47	52
90% Exceedance	51	56	70	39	19	24	17	7	28	42	42	49
Full Simulation Period Average[a]	94	103	129	116	100	104	83	64	56	56	63	77
Wet Water Years (28%)	54	61	103	78	58	48	33	25	36	50	48	51
Above Normal Years (14%)	63	61	130	121	96	94	76	61	52	48	46	53
Below Normal Years (18%)	114	118	132	123	102	122	92	71	56	53	64	91
Dry Water Years (24%)	121	128	135	132	122	131	114	87	59	55	75	94
Critical Water Years (16%)	135	166	162	147	142	150	118	94	86	80	84	102

Table F.2.7-4-3c. Jones Pumping Plant South Delta Exports Chloride, Alt2woTUCPAllVA minus NAA, Monthly Cl (mg/L)

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

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

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

Table F.2.7-4-4a. 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 Water Years (28%)	54	61	104	78	59	46	33	25	36	48	46	50
Above Normal Years (14%)	63	61	130	120	95	84	72	61	52	47	44	51
Below Normal Years (18%)	113	119	133	122	101	103	85	69	55	50	61	91
Dry Water Years (24%)	119	128	136	134	123	114	104	82	56	52	70	89
Critical Water Years (16%)	130	158	168	145	136	134	123	102	101	103	113	121

Table F.2.7-4-4b. 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	171	155	139	121	97	89	102	112	116
20% Exceedance	125	147	162	156	139	127	109	84	67	65	76	99
30% Exceedance	121	133	156	151	127	119	105	81	60	60	70	94
40% Exceedance	117	119	152	140	115	114	102	79	58	55	66	91
50% Exceedance	109	110	141	123	107	109	96	72	56	51	61	85
60% Exceedance	70	72	133	112	98	93	72	61	54	49	54	60
70% Exceedance	60	64	113	95	87	65	53	47	51	46	50	55
80% Exceedance	56	58	98	78	50	51	38	27	45	44	47	53
90% Exceedance	52	56	70	39	19	24	17	7	28	41	44	49
Full Simulation Period Average[a]	94	102	129	117	99	93	79	62	58	59	66	79
Wet Water Years (28%)	54	61	103	77	58	46	33	24	36	49	48	51
Above Normal Years (14%)	64	61	129	121	95	84	71	56	52	46	46	55
Below Normal Years (18%)	114	117	132	122	101	104	85	67	56	51	63	91
Dry Water Years (24%)	121	129	136	136	124	115	104	80	59	54	73	92
Critical Water Years (16%)	129	162	164	149	136	137	122	100	100	102	110	119

Table F.2.7-4-4c. 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	1	2	0	1	0	2	0	-1	-7	0	0	-1
20% Exceedance	1	1	-1	-3	0	2	-3	-4	4	3	-2	-2
30% Exceedance	2	1	-1	-1	4	0	-1	-2	1	3	2	1
40% Exceedance	0	-5	-2	4	0	1	-1	-2	1	2	3	1
50% Exceedance	-1	-2	-3	2	3	1	-1	-5	1	0	4	4
60% Exceedance	2	-1	-2	1	1	-2	0	-3	1	1	2	4
70% Exceedance	0	1	-3	1	2	-1	0	-4	0	0	2	3
80% Exceedance	0	0	1	2	0	-1	0	-1	-1	0	3	2
90% Exceedance	1	0	-2	0	0	-2	0	0	0	1	2	0
Full Simulation Period Average[a]	1	0	-1	1	0	0	-1	-2	1	1	2	1
Wet Water Years (28%)	0	0	-1	-1	-1	-1	0	-1	0	1	2	1
Above Normal Years (14%)	1	-1	-1	1	0	-1	-1	-4	0	-1	2	4
Below Normal Years (18%)	2	-2	-1	-1	1	0	0	-2	1	1	3	0
Dry Water Years (24%)	2	1	0	2	1	1	0	-2	3	3	3	3
Critical Water Years (16%)	-1	3	-4	4	1	3	-2	-2	-1	-1	-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.

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

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

Table F.2.7-4-5a. 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 Water Years (28%)	54	61	104	78	59	46	33	25	36	48	46	50
Above Normal Years (14%)	63	61	130	120	95	84	72	61	52	47	44	51
Below Normal Years (18%)	113	119	133	122	101	103	85	69	55	50	61	91
Dry Water Years (24%)	119	128	136	134	123	114	104	82	56	52	70	89
Critical Water Years (16%)	130	158	168	145	136	134	123	102	101	103	113	121

Table F.2.7-4-5b. Jones Pumping Plant South Delta Exports Chloride, EXP3, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	127	135	149	166	173	172	175	155	137	128	125	126
20% Exceedance	123	132	147	160	164	166	169	153	134	124	122	121
30% Exceedance	121	130	143	155	161	161	167	150	130	122	119	118
40% Exceedance	118	128	141	151	157	158	162	145	123	116	115	115
50% Exceedance	116	126	138	149	152	152	153	135	113	107	111	112
60% Exceedance	113	124	137	145	147	138	120	104	80	90	101	109
70% Exceedance	109	118	129	136	131	127	97	70	62	77	94	105
80% Exceedance	105	110	114	122	119	87	80	59	45	61	83	98
90% Exceedance	77	87	104	105	86	60	52	48	31	32	61	75
Full Simulation Period Average[a]	111	119	132	140	140	134	128	110	94	93	101	107
Wet Water Years (28%)	92	99	113	127	116	99	78	57	44	52	72	85
Above Normal Years (14%)	112	119	133	146	144	132	118	98	85	87	98	107
Below Normal Years (18%)	114	123	138	137	139	135	133	116	101	100	105	110
Dry Water Years (24%)	118	128	140	148	153	156	160	144	125	119	118	116
Critical Water Years (16%)	130	137	147	151	158	164	169	154	134	126	125	127

Table F.2.7-4-5c. Jones Pumping Plant South Delta Exports Chloride, EXP3 minus NAA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1	-22	-19	-4	18	35	54	57	41	26	13	9
20% Exceedance	-2	-15	-16	1	26	40	56	65	71	62	43	20
30% Exceedance	2	-2	-14	3	39	43	61	67	71	66	51	25
40% Exceedance	1	4	-13	15	43	44	60	64	66	64	52	25
50% Exceedance	6	13	-5	28	47	44	56	59	58	56	54	31
60% Exceedance	45	51	3	35	50	44	48	40	27	41	50	53
70% Exceedance	49	55	13	42	46	61	44	20	11	31	46	53
80% Exceedance	50	52	17	46	69	35	42	31	-1	17	38	48
90% Exceedance	26	31	33	66	66	35	35	42	3	-8	19	26
Full Simulation Period Average[a]	18	17	2	24	41	42	49	46	37	35	36	29
Wet Water Years (28%)	38	38	9	49	57	52	46	32	8	4	26	35
Above Normal Years (14%)	49	58	3	26	49	48	46	38	33	40	53	55
Below Normal Years (18%)	1	4	5	15	39	32	48	47	46	49	45	19
Dry Water Years (24%)	-1	0	4	13	30	42	56	62	69	67	48	28
Critical Water Years (16%)	-1	-22	-21	6	22	29	46	52	33	22	12	6

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

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

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

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

Table F.2.7-4-6a. Jones Pumping Plant South Delta Exports Chloride, EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	175	170	173	178	177	172	173	155	138	129	136	157
20% Exceedance	155	157	163	169	166	161	163	146	130	124	125	141
30% Exceedance	138	145	156	166	162	157	153	137	123	118	121	129
40% Exceedance	130	140	150	158	155	150	149	131	116	111	114	122
50% Exceedance	122	134	148	153	151	144	139	112	96	96	104	113
60% Exceedance	119	132	144	147	145	135	113	78	71	80	97	109
70% Exceedance	114	126	137	143	138	123	88	62	56	71	90	103
80% Exceedance	106	116	130	138	125	89	69	52	34	54	77	94
90% Exceedance	95	109	124	121	83	60	52	40	27	28	56	81
Full Simulation Period Average[a]	133	139	147	149	142	131	119	101	87	89	101	120
Wet Water Years (28%)	103	115	128	131	111	89	68	48	38	46	66	87
Above Normal Years (14%)	115	126	140	156	146	128	106	84	72	78	92	105
Below Normal Years (18%)	131	138	149	148	144	135	125	105	92	94	104	118
Dry Water Years (24%)	146	150	154	156	156	153	151	133	117	113	118	132
Critical Water Years (16%)	190	183	178	164	166	166	168	154	137	129	140	174

Table F.2.7-4-6b. 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	166	171	157	139	116	95	84	78	90	103
20% Exceedance	126	151	159	161	139	129	109	84	67	64	74	98
30% Exceedance	122	133	155	151	126	120	105	81	60	59	69	93
40% Exceedance	117	121	151	136	114	115	102	80	58	55	65	90
50% Exceedance	111	110	141	123	107	109	96	72	57	51	59	82
60% Exceedance	70	72	132	111	98	93	75	61	54	49	53	59
70% Exceedance	61	64	113	95	87	65	53	48	51	46	50	55
80% Exceedance	56	58	98	78	50	51	38	27	45	44	47	53
90% Exceedance	51	56	70	39	19	24	17	7	28	41	44	49
Full Simulation Period Average[a]	94	103	128	117	100	94	78	61	56	56	62	76
Wet Water Years (28%)	54	61	103	77	58	46	33	24	36	49	48	51
Above Normal Years (14%)	64	60	128	121	96	84	71	56	52	46	47	55
Below Normal Years (18%)	115	118	131	124	102	102	85	67	56	51	63	89
Dry Water Years (24%)	121	129	136	135	124	115	104	80	59	54	72	92
Critical Water Years (16%)	131	163	161	148	137	144	116	94	88	84	85	102

Table F.2.7-4-6c. Jones Pumping Plant South Delta Exports Chloride, Alt2woTUCPwoVA minus EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-44	-10	-7	-7	-20	-33	-56	-59	-54	-51	-46	-54
20% Exceedance	-29	-6	-4	-8	-27	-32	-54	-62	-63	-59	-51	-43
30% Exceedance	-16	-12	0	-15	-36	-37	-48	-55	-63	-59	-52	-37
40% Exceedance	-13	-19	1	-23	-41	-35	-48	-51	-58	-56	-48	-32
50% Exceedance	-11	-24	-7	-29	-43	-35	-42	-40	-39	-45	-44	-31
60% Exceedance	-49	-60	-12	-37	-46	-42	-39	-18	-17	-32	-44	-50
70% Exceedance	-53	-62	-24	-48	-51	-58	-36	-14	-5	-25	-40	-49
80% Exceedance	-50	-57	-31	-59	-75	-39	-31	-24	11	-10	-29	-41
90% Exceedance	-44	-53	-54	-82	-64	-36	-34	-33	1	13	-13	-32
Full Simulation Period Average[a]	-39	-37	-19	-32	-42	-37	-41	-40	-31	-33	-39	-43
Wet Water Years (28%)	-49	-54	-25	-54	-54	-43	-35	-24	-1	3	-19	-36
Above Normal Years (14%)	-51	-66	-12	-35	-51	-44	-35	-28	-20	-32	-45	-51
Below Normal Years (18%)	-16	-20	-18	-25	-43	-32	-40	-38	-36	-43	-41	-28
Dry Water Years (24%)	-25	-21	-18	-21	-32	-39	-47	-53	-58	-59	-45	-40
Critical Water Years (16%)	-59	-20	-17	-16	-29	-22	-52	-59	-49	-45	-55	-72

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

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

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

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

Table F.2.7-4-7a. Jones Pumping Plant South Delta Exports Chloride, EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	175	170	173	178	177	172	173	155	138	129	136	157
20% Exceedance	155	157	163	169	166	161	163	146	130	124	125	141
30% Exceedance	138	145	156	166	162	157	153	137	123	118	121	129
40% Exceedance	130	140	150	158	155	150	149	131	116	111	114	122
50% Exceedance	122	134	148	153	151	144	139	112	96	96	104	113
60% Exceedance	119	132	144	147	145	135	113	78	71	80	97	109
70% Exceedance	114	126	137	143	138	123	88	62	56	71	90	103
80% Exceedance	106	116	130	138	125	89	69	52	34	54	77	94
90% Exceedance	95	109	124	121	83	60	52	40	27	28	56	81
Full Simulation Period Average[a]	133	139	147	149	142	131	119	101	87	89	101	120
Wet Water Years (28%)	103	115	128	131	111	89	68	48	38	46	66	87
Above Normal Years (14%)	115	126	140	156	146	128	106	84	72	78	92	105
Below Normal Years (18%)	131	138	149	148	144	135	125	105	92	94	104	118
Dry Water Years (24%)	146	150	154	156	156	153	151	133	117	113	118	132
Critical Water Years (16%)	190	183	178	164	166	166	168	154	137	129	140	174

Table F.2.7-4-7b. 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	131	161	168	168	154	160	126	99	85	79	90	104
20% Exceedance	126	151	161	160	139	151	119	92	67	63	76	101
30% Exceedance	122	135	156	147	126	139	114	87	62	59	70	95
40% Exceedance	117	121	150	135	114	132	110	84	60	55	66	90
50% Exceedance	111	113	141	124	108	119	101	78	58	52	62	85
60% Exceedance	69	72	132	111	98	98	77	64	56	50	53	59
70% Exceedance	60	65	113	95	87	68	53	50	53	47	50	55
80% Exceedance	56	60	99	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	103	129	116	100	104	83	64	57	56	63	77
Wet Water Years (28%)	54	61	103	77	58	48	33	25	36	49	48	51
Above Normal Years (14%)	63	61	130	121	96	94	76	61	53	47	47	54
Below Normal Years (18%)	115	118	132	124	102	122	92	71	57	52	64	91
Dry Water Years (24%)	121	129	135	133	124	130	114	86	60	54	74	94
Critical Water Years (16%)	133	164	163	146	141	149	118	95	89	83	85	103

Table F.2.7-4-7c. Jones Pumping Plant South Delta Exports Chloride, Alt2woTUCPDeltaVA minus EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-43	-9	-5	-10	-23	-13	-46	-56	-53	-51	-46	-53
20% Exceedance	-30	-6	-3	-8	-28	-10	-44	-54	-63	-61	-50	-41
30% Exceedance	-17	-10	0	-19	-36	-18	-39	-50	-61	-59	-51	-35
40% Exceedance	-13	-19	1	-23	-41	-18	-39	-46	-56	-55	-47	-32
50% Exceedance	-11	-22	-7	-29	-42	-25	-37	-34	-38	-45	-42	-28
60% Exceedance	-50	-59	-12	-37	-46	-36	-36	-14	-16	-31	-43	-50
70% Exceedance	-54	-61	-24	-48	-51	-55	-35	-12	-3	-24	-40	-48
80% Exceedance	-50	-56	-31	-59	-75	-38	-31	-24	12	-10	-29	-41
90% Exceedance	-44	-53	-54	-82	-64	-36	-35	-33	1	13	-13	-32
Full Simulation Period Average[a]	-39	-36	-18	-33	-41	-27	-36	-37	-31	-32	-38	-42
Wet Water Years (28%)	-49	-53	-25	-54	-54	-41	-34	-23	-1	3	-19	-36
Above Normal Years (14%)	-52	-65	-11	-35	-51	-34	-29	-23	-19	-30	-45	-51
Below Normal Years (18%)	-16	-20	-17	-24	-42	-13	-32	-34	-35	-43	-40	-26
Dry Water Years (24%)	-25	-21	-19	-23	-32	-23	-37	-47	-56	-59	-44	-38
Critical Water Years (16%)	-57	-19	-15	-18	-26	-17	-50	-59	-48	-45	-55	-71

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

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

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

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

Table F.2.7-4-8a. Jones Pumping Plant South Delta Exports Chloride, EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	175	170	173	178	177	172	173	155	138	129	136	157
20% Exceedance	155	157	163	169	166	161	163	146	130	124	125	141
30% Exceedance	138	145	156	166	162	157	153	137	123	118	121	129
40% Exceedance	130	140	150	158	155	150	149	131	116	111	114	122
50% Exceedance	122	134	148	153	151	144	139	112	96	96	104	113
60% Exceedance	119	132	144	147	145	135	113	78	71	80	97	109
70% Exceedance	114	126	137	143	138	123	88	62	56	71	90	103
80% Exceedance	106	116	130	138	125	89	69	52	34	54	77	94
90% Exceedance	95	109	124	121	83	60	52	40	27	28	56	81
Full Simulation Period Average[a]	133	139	147	149	142	131	119	101	87	89	101	120
Wet Water Years (28%)	103	115	128	131	111	89	68	48	38	46	66	87
Above Normal Years (14%)	115	126	140	156	146	128	106	84	72	78	92	105
Below Normal Years (18%)	131	138	149	148	144	135	125	105	92	94	104	118
Dry Water Years (24%)	146	150	154	156	156	153	151	133	117	113	118	132
Critical Water Years (16%)	190	183	178	164	166	166	168	154	137	129	140	174

Table F.2.7-4-8b. Jones Pumping Plant South Delta Exports Chloride, Alt2woTUCPAllVA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	131	160	168	170	153	160	126	98	84	75	87	104
20% Exceedance	125	144	161	160	136	151	119	93	66	64	75	100
30% Exceedance	122	134	156	147	125	139	114	87	61	59	69	96
40% Exceedance	117	119	150	133	114	132	110	84	59	57	66	91
50% Exceedance	111	113	140	123	107	119	101	77	57	52	61	84
60% Exceedance	68	72	132	112	99	98	77	64	55	49	54	59
70% Exceedance	60	64	113	95	87	68	53	50	53	47	50	54
80% Exceedance	56	59	99	79	50	51	38	28	46	45	47	52
90% Exceedance	51	56	70	39	19	24	17	7	28	42	42	49
Full Simulation Period Average[a]	94	103	129	116	100	104	83	64	56	56	63	77
Wet Water Years (28%)	54	61	103	78	58	48	33	25	36	50	48	51
Above Normal Years (14%)	63	61	130	121	96	94	76	61	52	48	46	53
Below Normal Years (18%)	114	118	132	123	102	122	92	71	56	53	64	91
Dry Water Years (24%)	121	128	135	132	122	131	114	87	59	55	75	94
Critical Water Years (16%)	135	166	162	147	142	150	118	94	86	80	84	102

Table F.2.7-4-8c. Jones Pumping Plant South Delta Exports Chloride, Alt2woTUCPAllVA minus EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-43	-10	-5	-8	-24	-12	-46	-56	-54	-54	-49	-53
20% Exceedance	-30	-12	-2	-8	-30	-10	-44	-53	-64	-59	-50	-41
30% Exceedance	-16	-11	1	-19	-37	-18	-39	-49	-62	-60	-52	-34
40% Exceedance	-12	-21	0	-26	-41	-18	-39	-46	-57	-54	-48	-31
50% Exceedance	-11	-21	-8	-30	-43	-24	-37	-35	-39	-45	-42	-28
60% Exceedance	-51	-60	-12	-36	-45	-37	-36	-14	-16	-31	-43	-50
70% Exceedance	-54	-62	-24	-48	-50	-55	-35	-12	-3	-24	-40	-49
80% Exceedance	-50	-56	-31	-59	-75	-38	-31	-24	12	-10	-30	-42
90% Exceedance	-44	-53	-53	-82	-64	-36	-35	-33	1	14	-14	-32
Full Simulation Period Average[a]	-39	-36	-19	-33	-42	-27	-36	-37	-31	-32	-38	-43
Wet Water Years (28%)	-49	-53	-25	-53	-53	-41	-34	-23	-1	3	-19	-36
Above Normal Years (14%)	-52	-65	-10	-35	-51	-34	-29	-23	-20	-30	-46	-52
Below Normal Years (18%)	-17	-20	-17	-25	-42	-13	-32	-34	-36	-42	-40	-26
Dry Water Years (24%)	-25	-23	-19	-25	-34	-23	-37	-46	-57	-58	-43	-37
Critical Water Years (16%)	-55	-17	-16	-18	-24	-17	-50	-59	-51	-48	-57	-72

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

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

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

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

Table F.2.7-4-9a. Jones Pumping Plant South Delta Exports Chloride, EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	175	170	173	178	177	172	173	155	138	129	136	157
20% Exceedance	155	157	163	169	166	161	163	146	130	124	125	141
30% Exceedance	138	145	156	166	162	157	153	137	123	118	121	129
40% Exceedance	130	140	150	158	155	150	149	131	116	111	114	122
50% Exceedance	122	134	148	153	151	144	139	112	96	96	104	113
60% Exceedance	119	132	144	147	145	135	113	78	71	80	97	109
70% Exceedance	114	126	137	143	138	123	88	62	56	71	90	103
80% Exceedance	106	116	130	138	125	89	69	52	34	54	77	94
90% Exceedance	95	109	124	121	83	60	52	40	27	28	56	81
Full Simulation Period Average[a]	133	139	147	149	142	131	119	101	87	89	101	120
Wet Water Years (28%)	103	115	128	131	111	89	68	48	38	46	66	87
Above Normal Years (14%)	115	126	140	156	146	128	106	84	72	78	92	105
Below Normal Years (18%)	131	138	149	148	144	135	125	105	92	94	104	118
Dry Water Years (24%)	146	150	154	156	156	153	151	133	117	113	118	132
Critical Water Years (16%)	190	183	178	164	166	166	168	154	137	129	140	174

Table F.2.7-4-9b. 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	171	155	139	121	97	89	102	112	116
20% Exceedance	125	147	162	156	139	127	109	84	67	65	76	99
30% Exceedance	121	133	156	151	127	119	105	81	60	60	70	94
40% Exceedance	117	119	152	140	115	114	102	79	58	55	66	91
50% Exceedance	109	110	141	123	107	109	96	72	56	51	61	85
60% Exceedance	70	72	133	112	98	93	72	61	54	49	54	60
70% Exceedance	60	64	113	95	87	65	53	47	51	46	50	55
80% Exceedance	56	58	98	78	50	51	38	27	45	44	47	53
90% Exceedance	52	56	70	39	19	24	17	7	28	41	44	49
Full Simulation Period Average[a]	94	102	129	117	99	93	79	62	58	59	66	79
Wet Water Years (28%)	54	61	103	77	58	46	33	24	36	49	48	51
Above Normal Years (14%)	64	61	129	121	95	84	71	56	52	46	46	55
Below Normal Years (18%)	114	117	132	122	101	104	85	67	56	51	63	91
Dry Water Years (24%)	121	129	136	136	124	115	104	80	59	54	73	92
Critical Water Years (16%)	129	162	164	149	136	137	122	100	100	102	110	119

Table F.2.7-4-9c. Jones Pumping Plant South Delta Exports Chloride, Alt2wTUCPwoVA minus EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-45	-11	-5	-7	-22	-33	-52	-57	-50	-27	-24	-40
20% Exceedance	-30	-10	-2	-13	-27	-34	-54	-62	-63	-59	-49	-42
30% Exceedance	-17	-12	1	-14	-35	-38	-48	-55	-63	-59	-51	-35
40% Exceedance	-13	-22	2	-18	-40	-36	-48	-52	-58	-56	-48	-31
50% Exceedance	-13	-24	-7	-30	-43	-35	-43	-40	-39	-45	-42	-28
60% Exceedance	-49	-60	-11	-36	-46	-42	-41	-18	-17	-31	-43	-49
70% Exceedance	-53	-62	-24	-48	-51	-58	-36	-15	-5	-25	-40	-49
80% Exceedance	-50	-57	-31	-59	-75	-39	-31	-24	11	-10	-29	-41
90% Exceedance	-43	-53	-54	-82	-64	-36	-34	-33	1	13	-13	-32
Full Simulation Period Average[a]	-39	-37	-18	-32	-42	-38	-41	-39	-29	-30	-35	-40
Wet Water Years (28%)	-49	-54	-25	-54	-54	-44	-35	-24	-1	3	-18	-36
Above Normal Years (14%)	-51	-65	-12	-36	-51	-44	-35	-28	-20	-32	-46	-51
Below Normal Years (18%)	-16	-21	-17	-26	-43	-31	-39	-39	-37	-43	-40	-26
Dry Water Years (24%)	-25	-21	-18	-20	-32	-39	-47	-53	-58	-58	-45	-40
Critical Water Years (16%)	-61	-21	-14	-16	-30	-29	-47	-54	-37	-27	-31	-55

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

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

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

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

Table F.2.7-4-10a. Jones Pumping Plant South Delta Exports Chloride, EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	175	170	173	178	177	172	173	155	138	129	136	157
20% Exceedance	155	157	163	169	166	161	163	146	130	124	125	141
30% Exceedance	138	145	156	166	162	157	153	137	123	118	121	129
40% Exceedance	130	140	150	158	155	150	149	131	116	111	114	122
50% Exceedance	122	134	148	153	151	144	139	112	96	96	104	113
60% Exceedance	119	132	144	147	145	135	113	78	71	80	97	109
70% Exceedance	114	126	137	143	138	123	88	62	56	71	90	103
80% Exceedance	106	116	130	138	125	89	69	52	34	54	77	94
90% Exceedance	95	109	124	121	83	60	52	40	27	28	56	81
Full Simulation Period Average[a]	133	139	147	149	142	131	119	101	87	89	101	120
Wet Water Years (28%)	103	115	128	131	111	89	68	48	38	46	66	87
Above Normal Years (14%)	115	126	140	156	146	128	106	84	72	78	92	105
Below Normal Years (18%)	131	138	149	148	144	135	125	105	92	94	104	118
Dry Water Years (24%)	146	150	154	156	156	153	151	133	117	113	118	132
Critical Water Years (16%)	190	183	178	164	166	166	168	154	137	129	140	174

Table F.2.7-4-10b. 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 Water Years (28%)	54	61	104	78	59	46	33	25	36	48	46	50
Above Normal Years (14%)	63	61	130	120	95	84	72	61	52	47	44	51
Below Normal Years (18%)	113	119	133	122	101	103	85	69	55	50	61	91
Dry Water Years (24%)	119	128	136	134	123	114	104	82	56	52	70	89
Critical Water Years (16%)	130	158	168	145	136	134	123	102	101	103	113	121

Table F.2.7-4-10c. Jones Pumping Plant South Delta Exports Chloride, NAA minus EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-46	-13	-5	-8	-22	-35	-52	-56	-43	-28	-24	-40
20% Exceedance	-31	-11	-1	-10	-28	-36	-51	-58	-67	-62	-47	-40
30% Exceedance	-19	-14	1	-14	-40	-38	-47	-53	-64	-62	-53	-36
40% Exceedance	-13	-17	4	-22	-41	-37	-47	-50	-59	-58	-51	-32
50% Exceedance	-12	-22	-4	-31	-46	-36	-41	-35	-40	-45	-46	-32
60% Exceedance	-51	-59	-10	-37	-47	-40	-41	-15	-18	-32	-45	-52
70% Exceedance	-54	-63	-21	-49	-53	-57	-36	-11	-5	-25	-42	-51
80% Exceedance	-51	-57	-32	-61	-74	-37	-31	-23	11	-10	-32	-43
90% Exceedance	-44	-53	-52	-82	-64	-35	-35	-34	1	13	-14	-33
Full Simulation Period Average[a]	-40	-37	-17	-33	-43	-38	-40	-37	-30	-31	-36	-42
Wet Water Years (28%)	-49	-54	-24	-53	-53	-43	-35	-23	-2	1	-20	-37
Above Normal Years (14%)	-52	-65	-10	-37	-51	-43	-34	-24	-21	-31	-48	-54
Below Normal Years (18%)	-18	-19	-16	-26	-44	-31	-39	-36	-37	-44	-43	-27
Dry Water Years (24%)	-27	-23	-18	-22	-33	-40	-47	-51	-60	-61	-48	-43
Critical Water Years (16%)	-59	-25	-9	-19	-31	-32	-45	-51	-35	-25	-28	-53

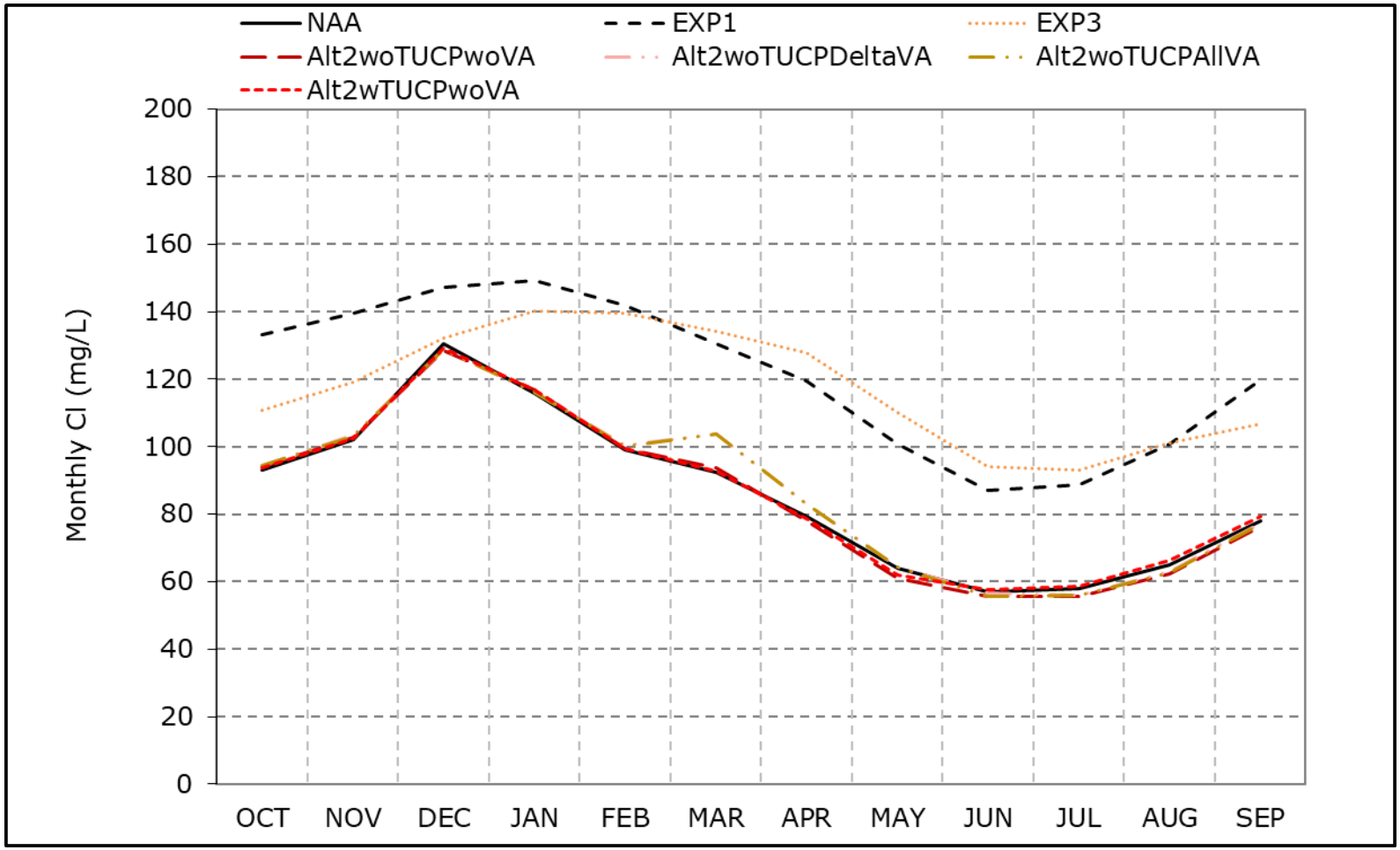
[a] Based on the 100-year simulation period.

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

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

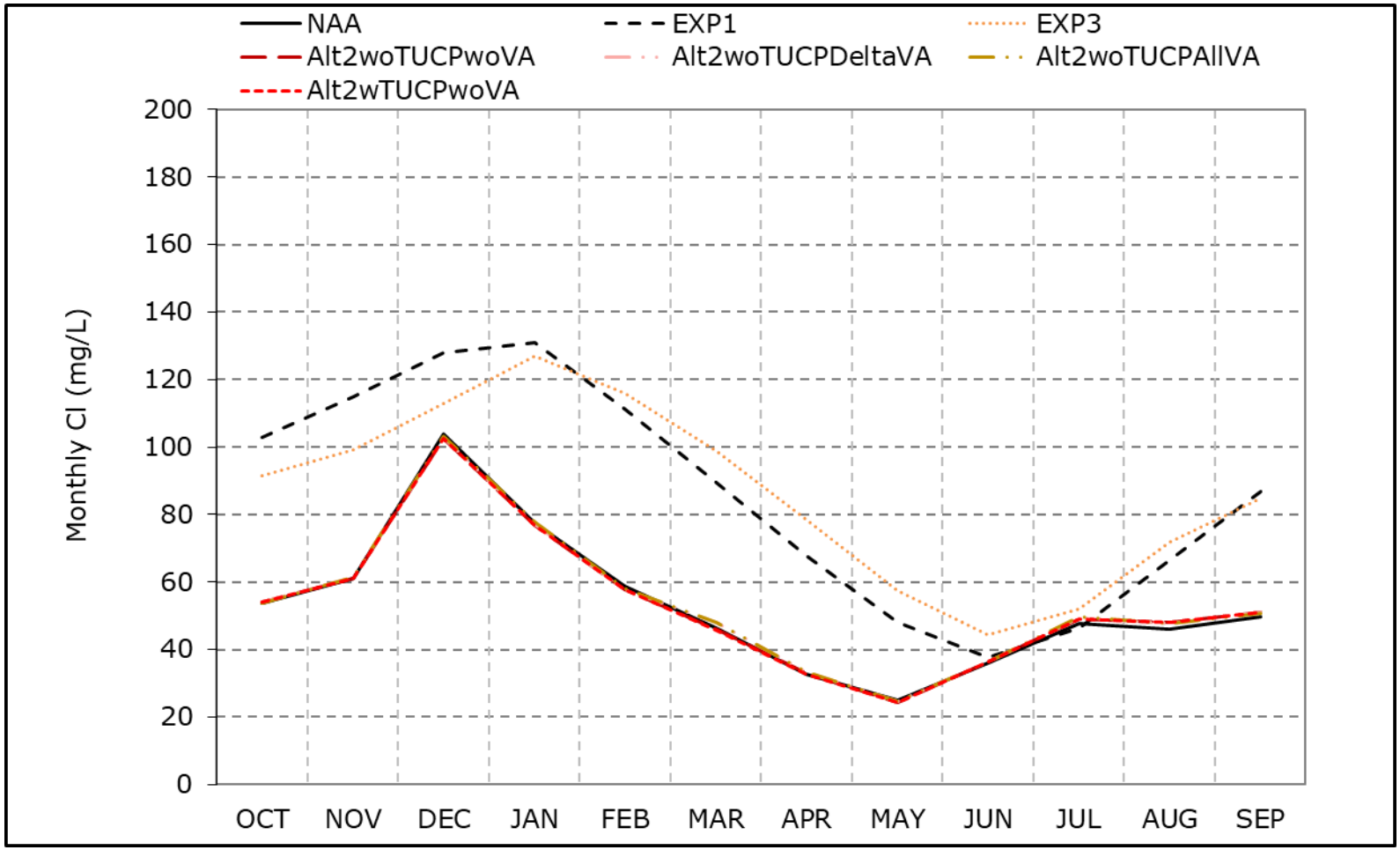
* These results are displayed with calendar year - year type sorting.

Figure F.2.7-4-1. Jones Pumping Plant South Delta Exports Chloride, Long-Term Average Cl



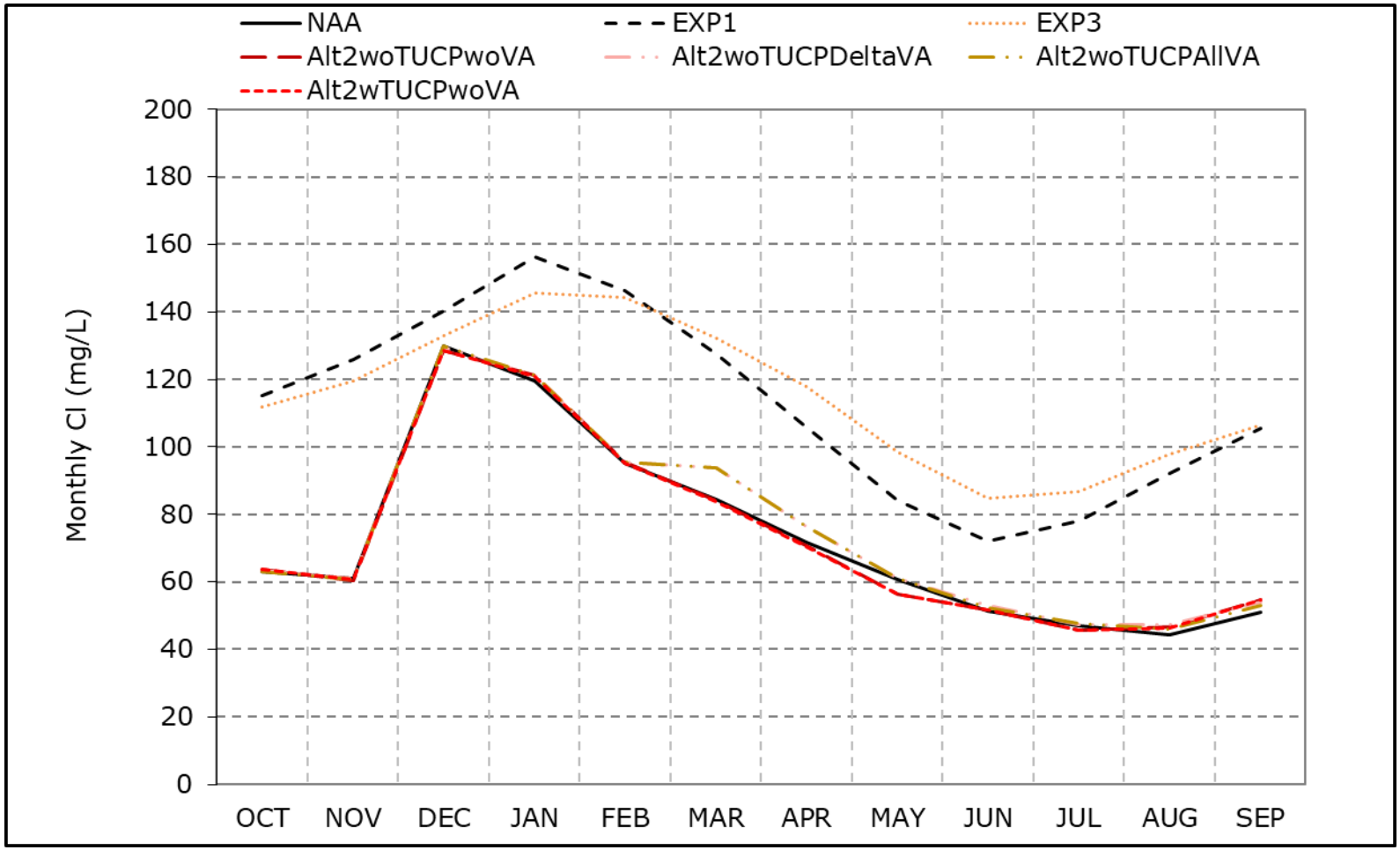
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-4-2. Jones Pumping Plant South Delta Exports Chloride, Wet Year Average Cl



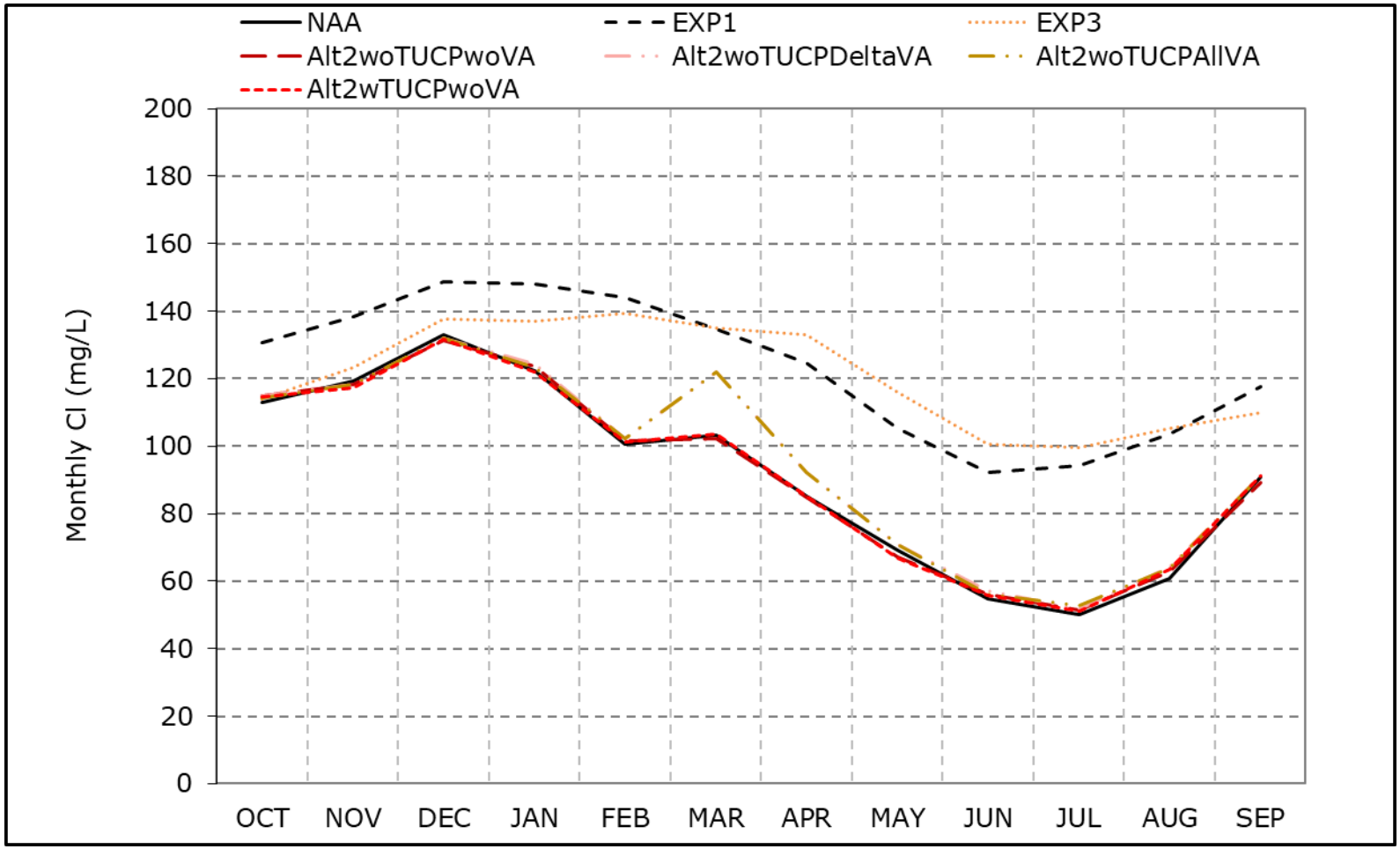
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-4-3. Jones Pumping Plant South Delta Exports Chloride, Above Normal Year Average Cl



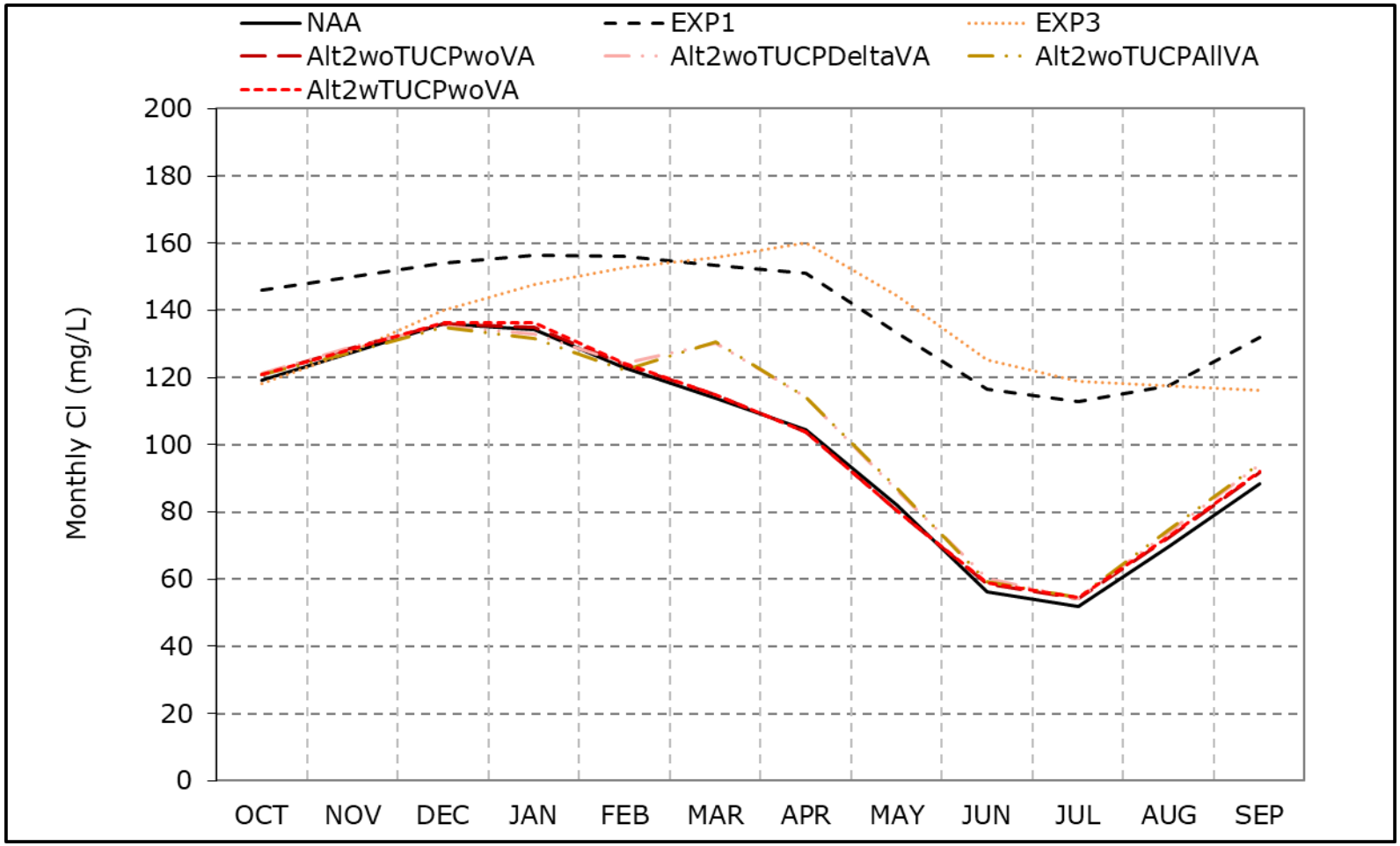
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-4-4. Jones Pumping Plant South Delta Exports Chloride, Below Normal Year Average Cl



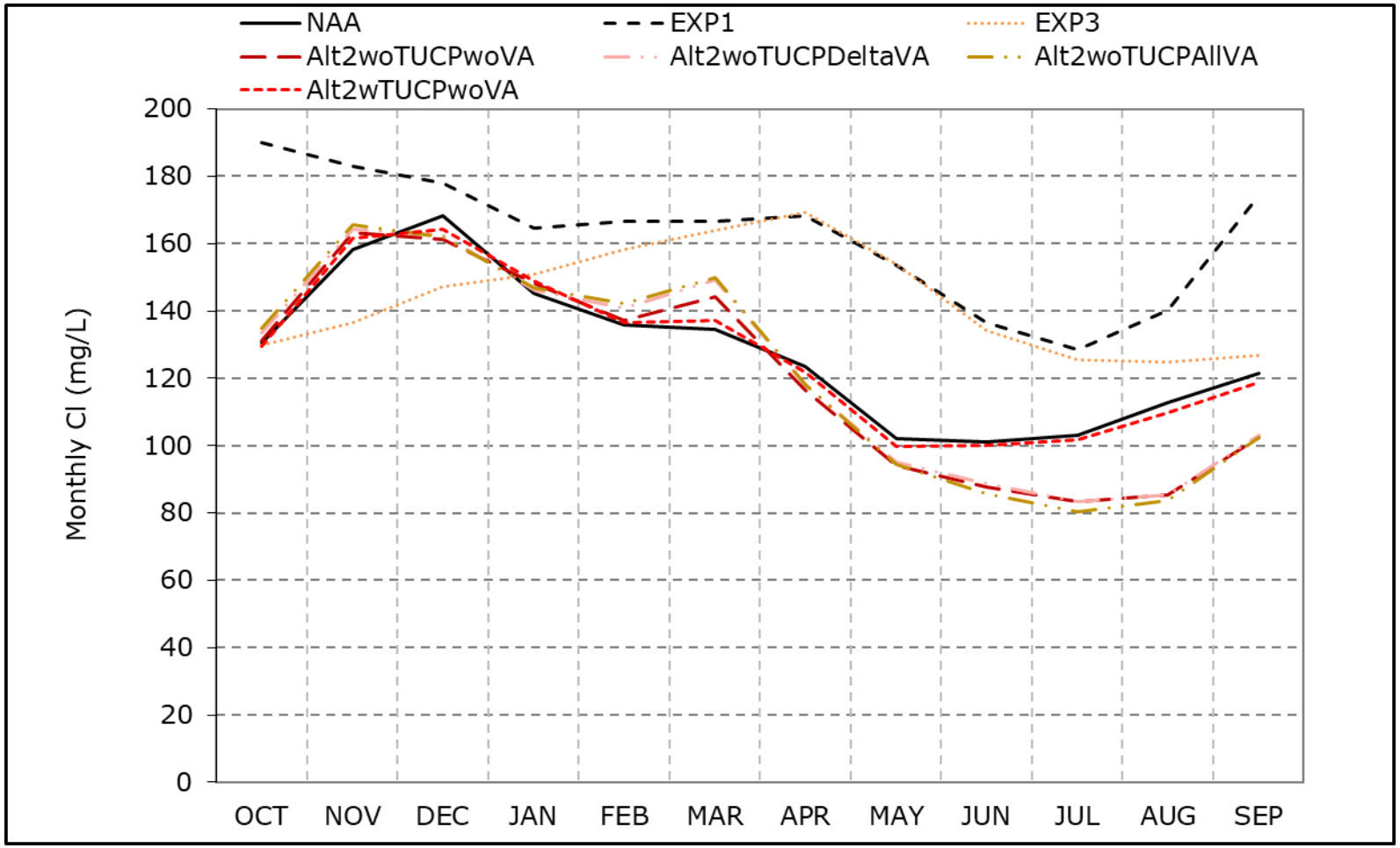
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-4-5. Jones Pumping Plant South Delta Exports Chloride, Dry Year Average Cl



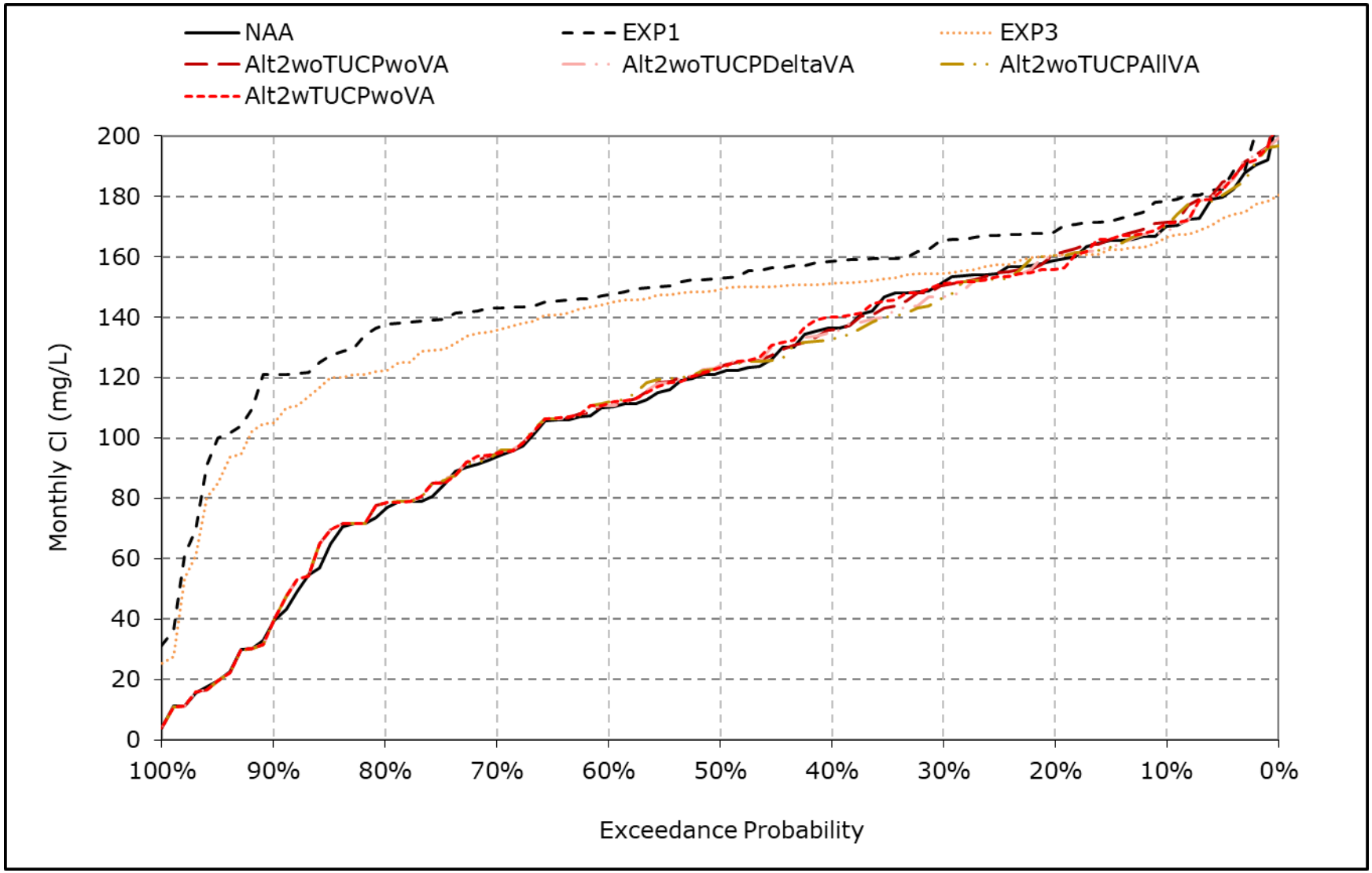
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-4-6. Jones Pumping Plant South Delta Exports Chloride, Critical Year Average Cl



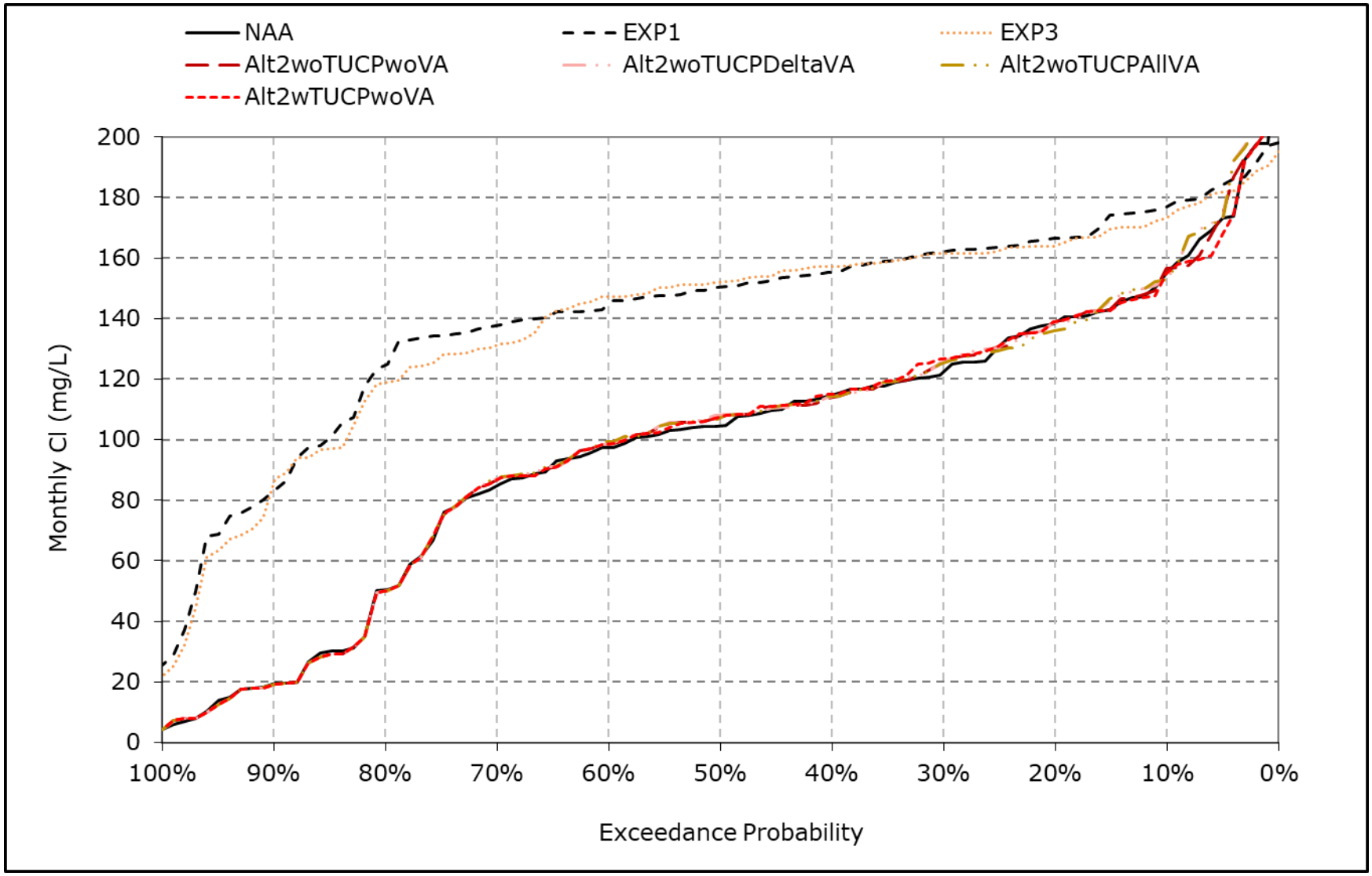
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-4-7. Jones Pumping Plant South Delta Exports Chloride, January Cl



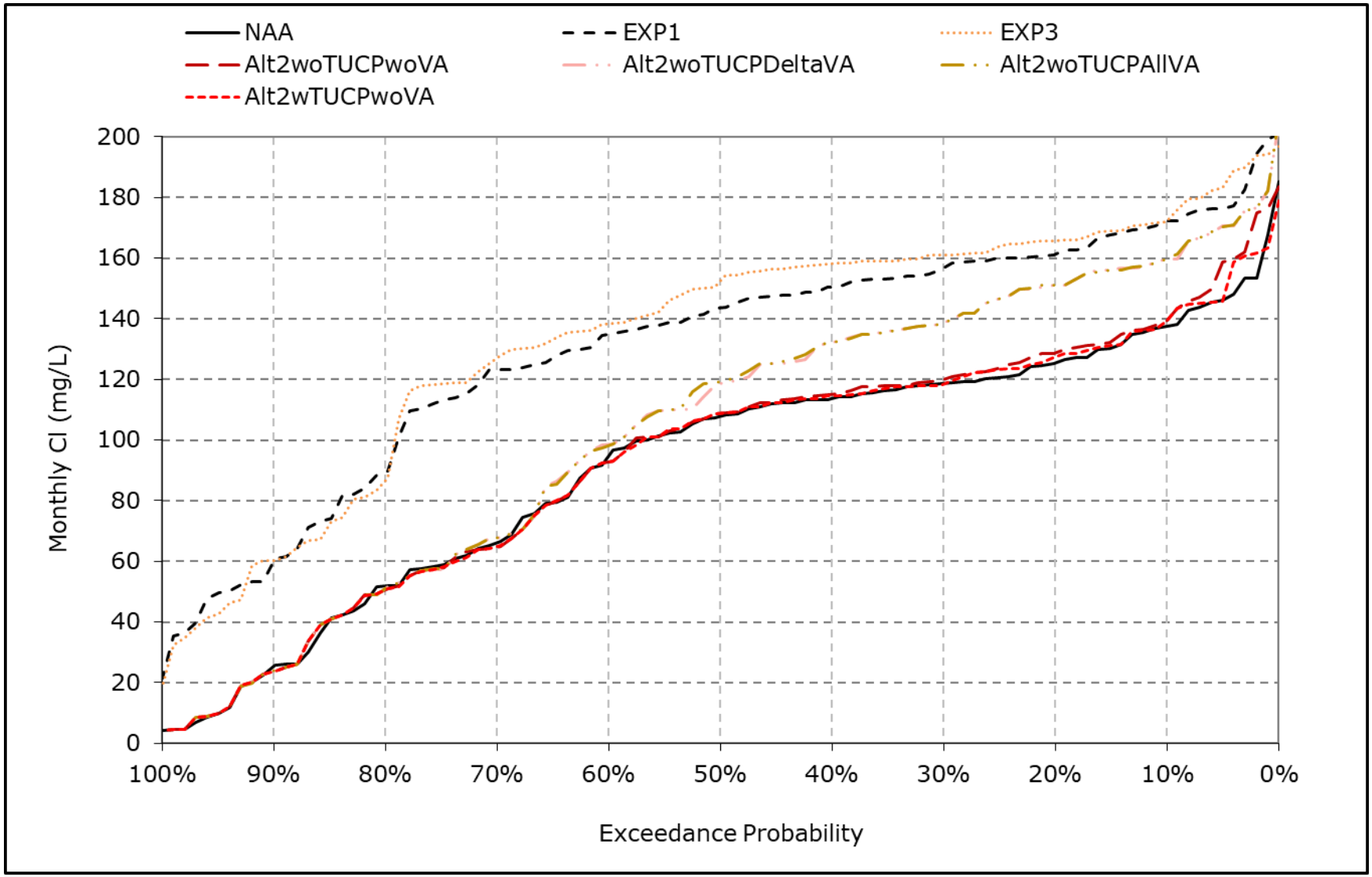
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-4-8. Jones Pumping Plant South Delta Exports Chloride, February Cl



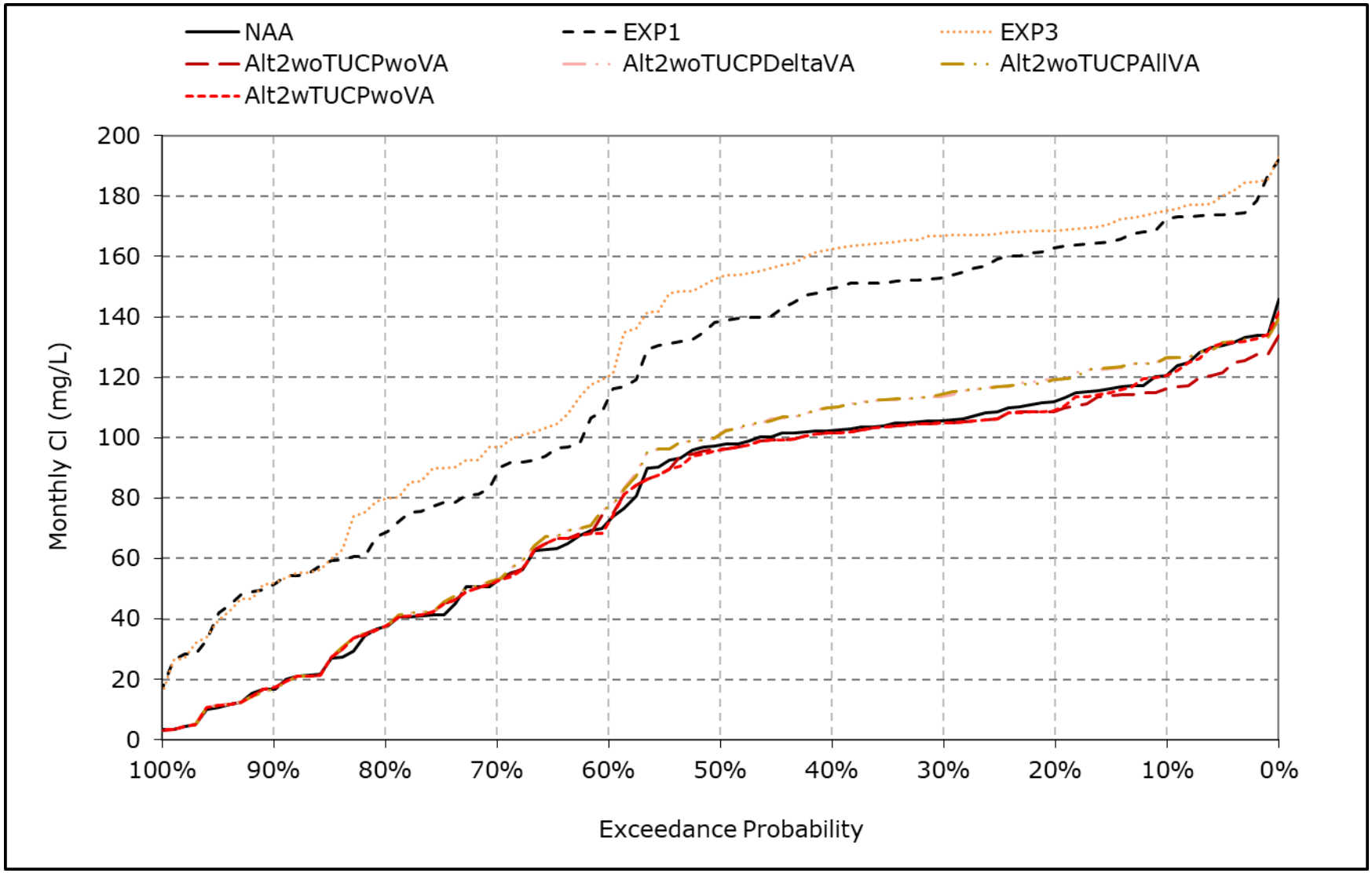
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-4-9. Jones Pumping Plant South Delta Exports Chloride, March Cl



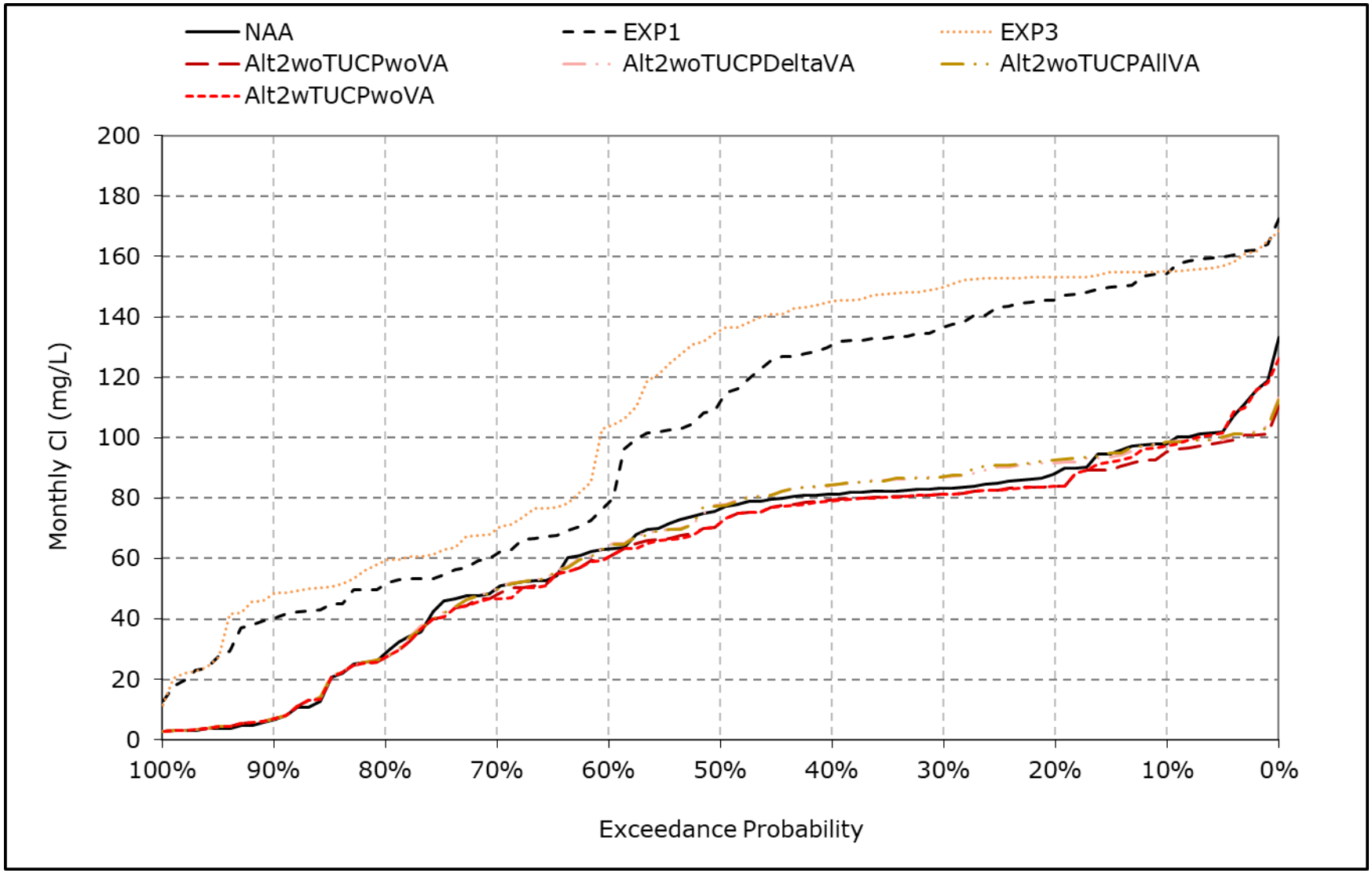
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-4-10. Jones Pumping Plant South Delta Exports Chloride, April Cl



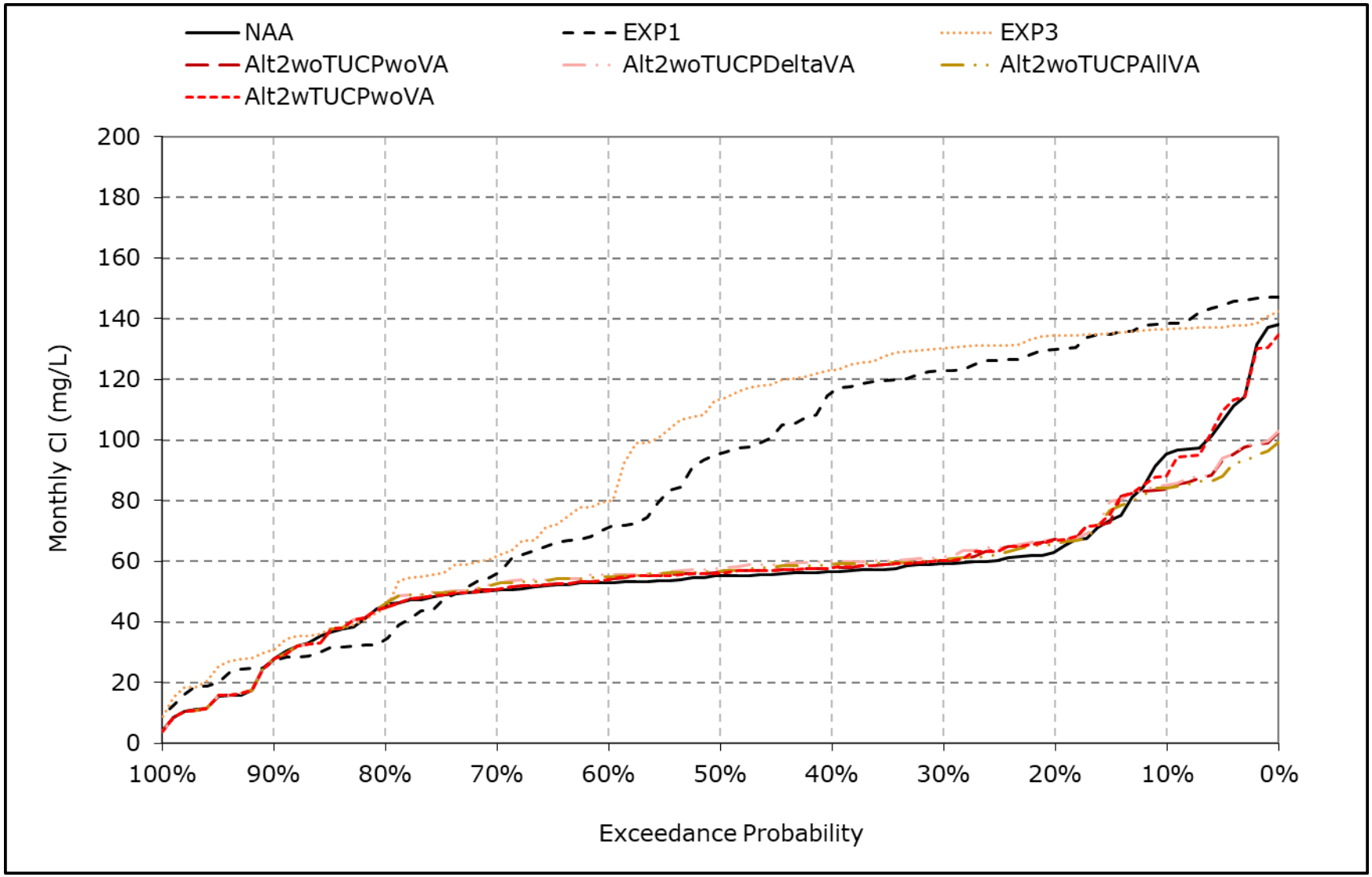
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-4-11. Jones Pumping Plant South Delta Exports Chloride, May Cl



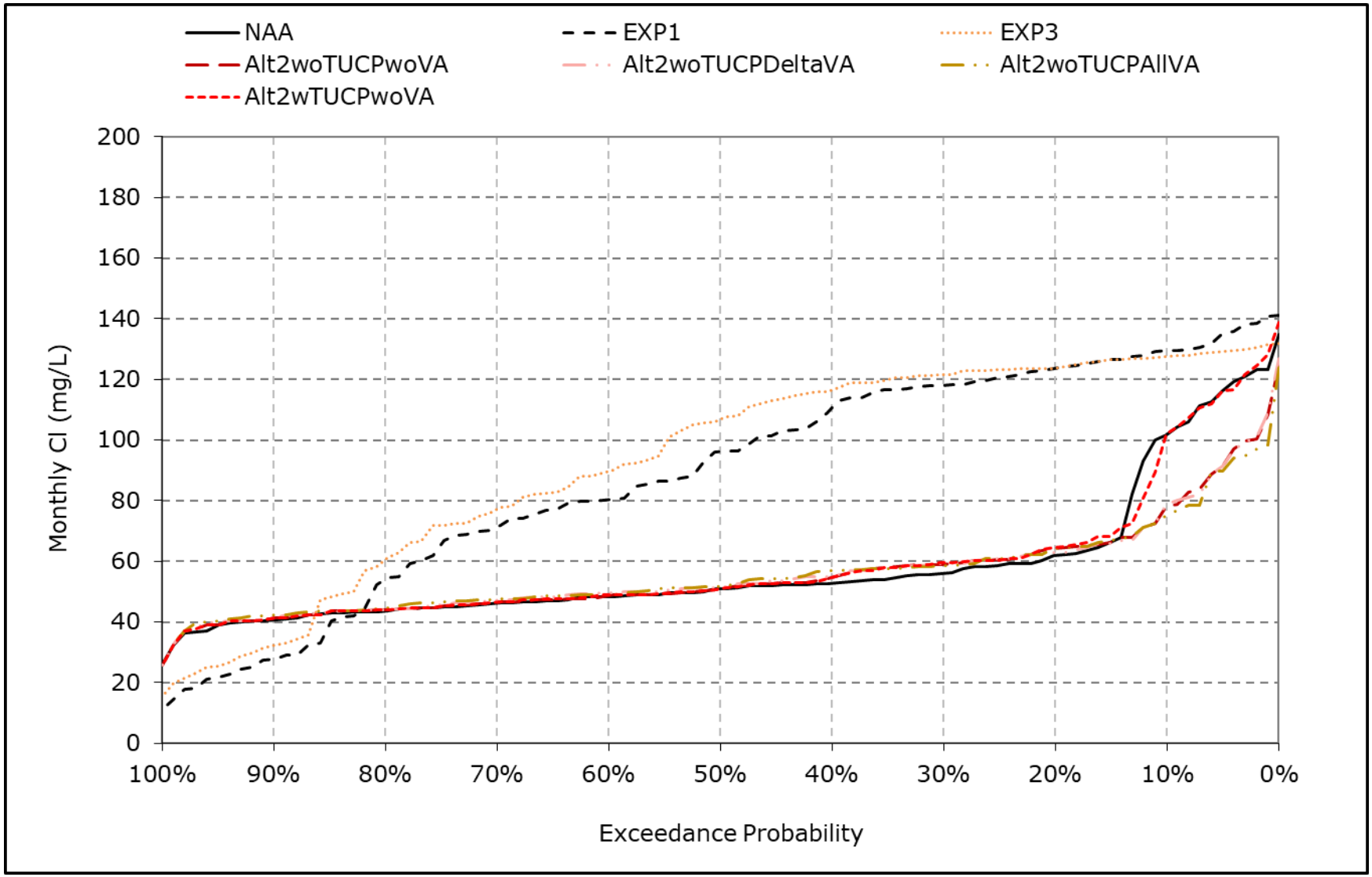
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-4-12. Jones Pumping Plant South Delta Exports Chloride, June Cl



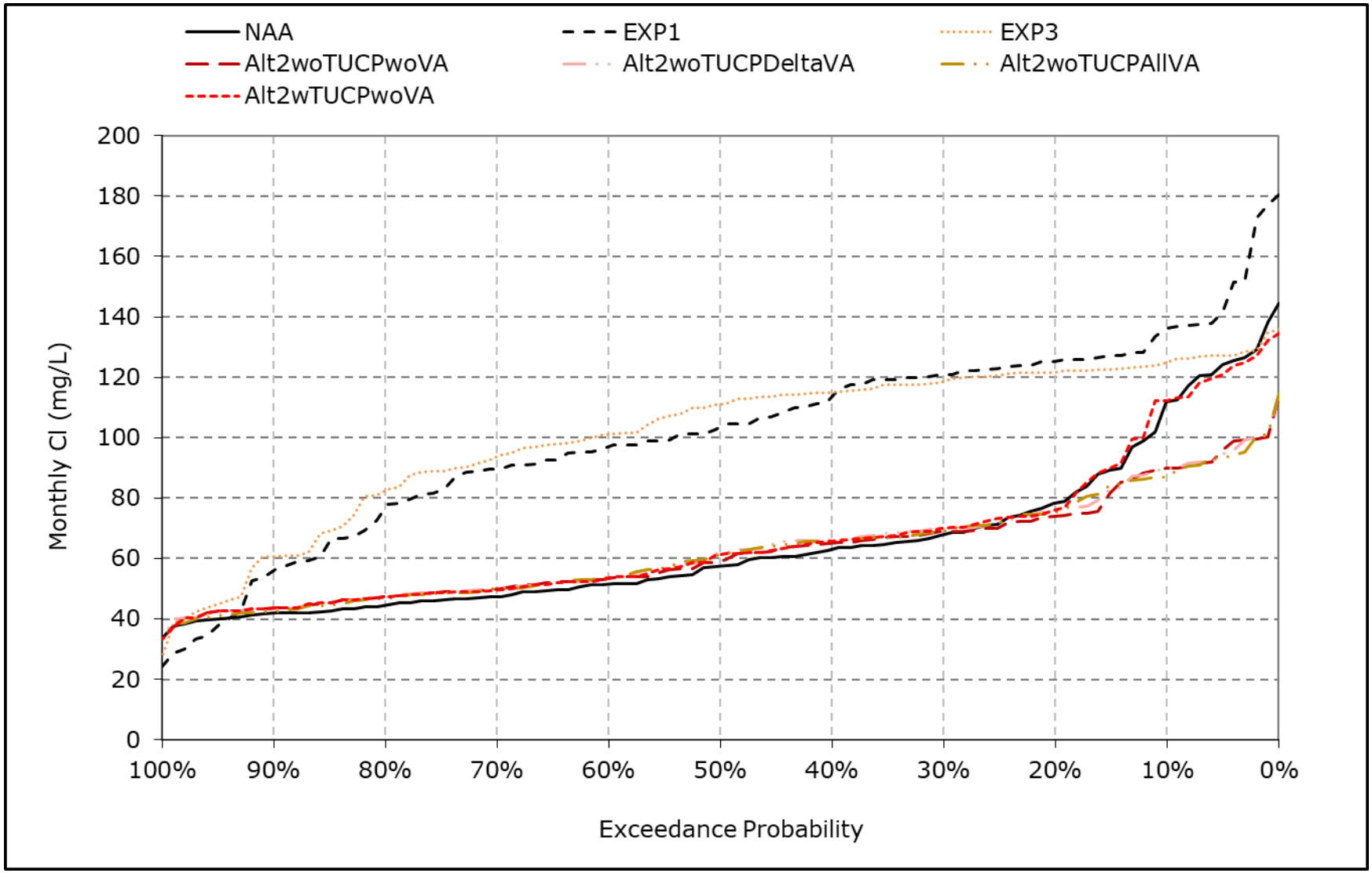
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-4-13. Jones Pumping Plant South Delta Exports Chloride, July Cl



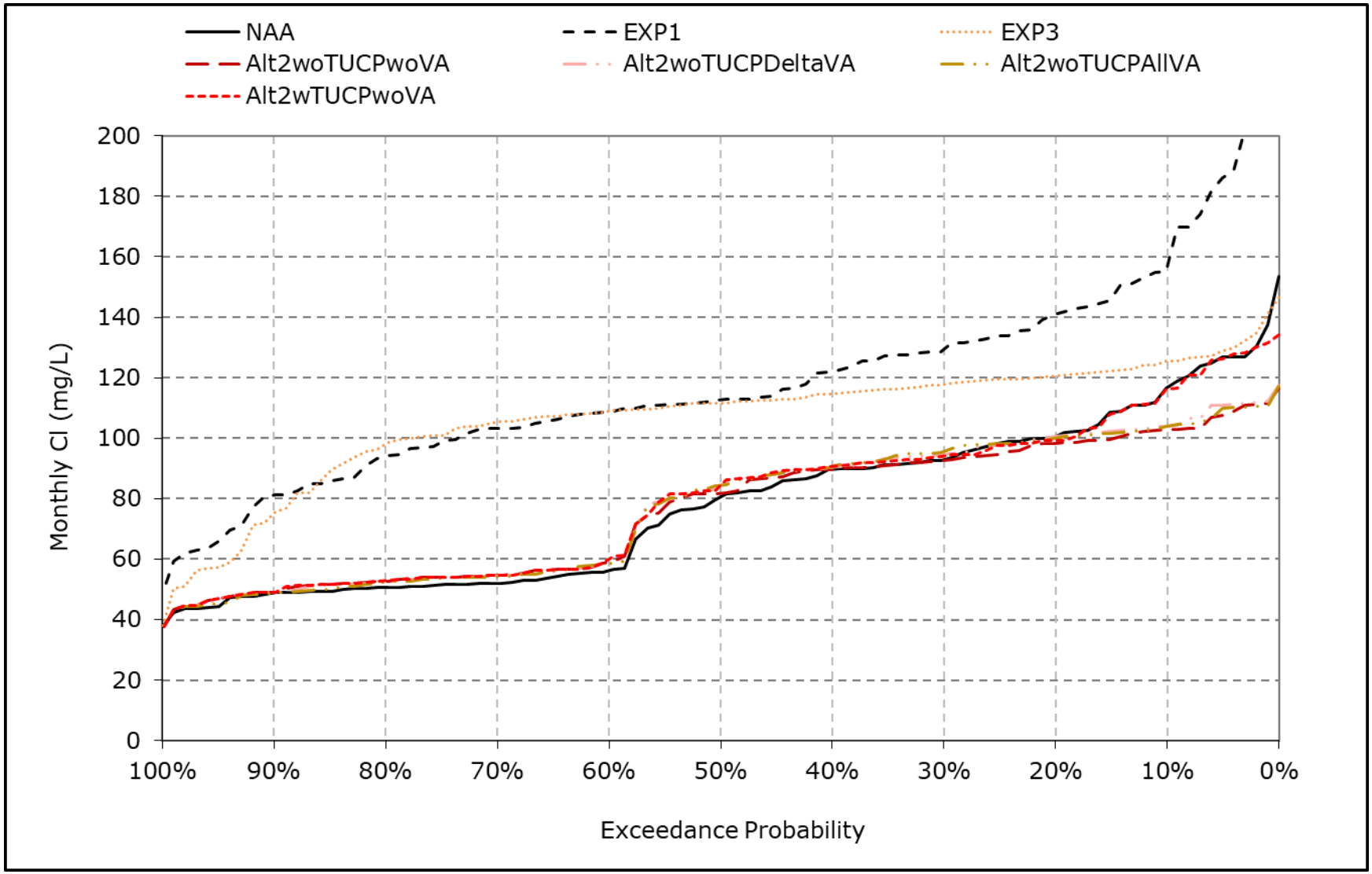
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-4-14. Jones Pumping Plant South Delta Exports Chloride, August Cl



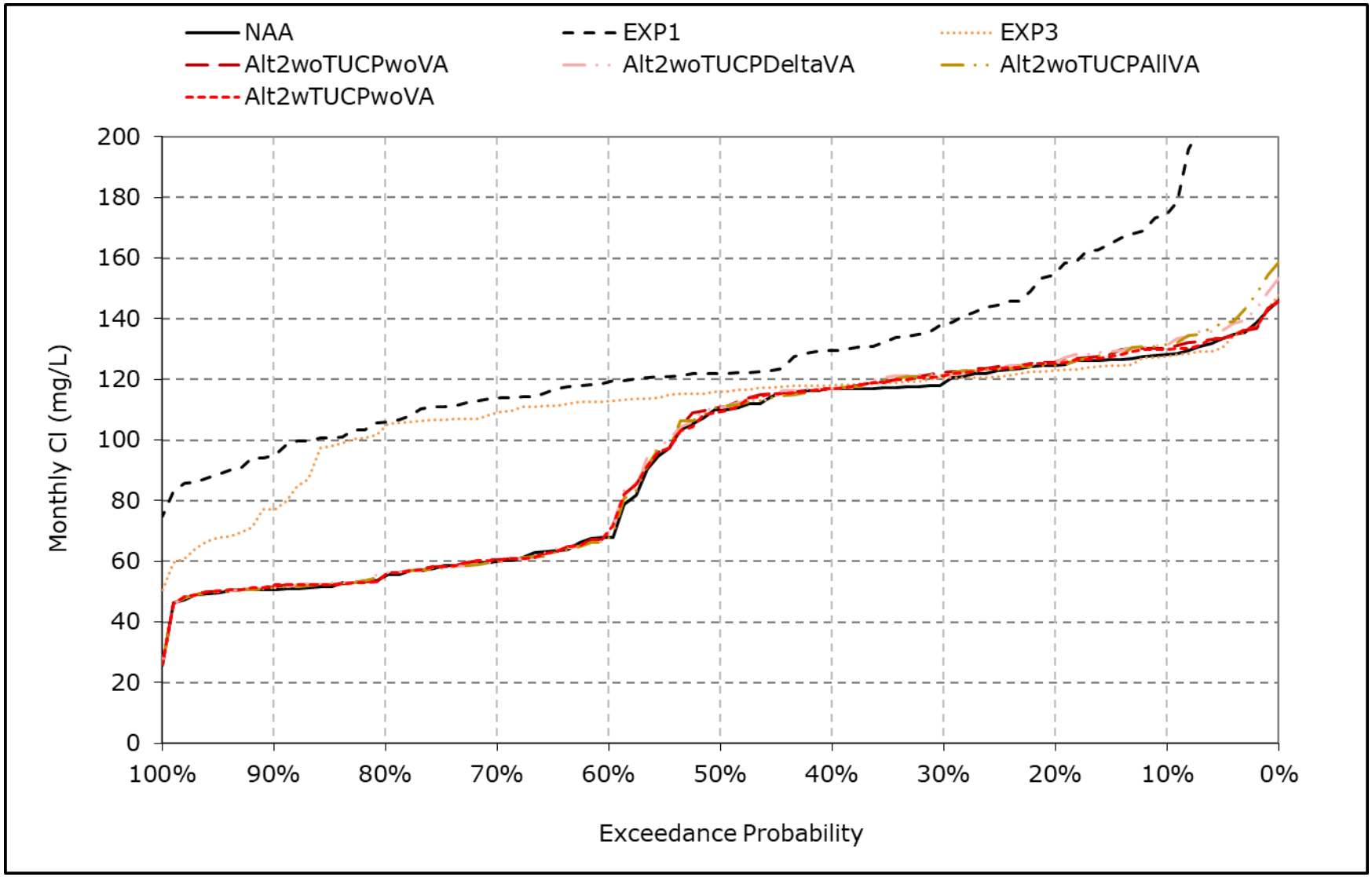
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-4-15. Jones Pumping Plant South Delta Exports Chloride, September Cl



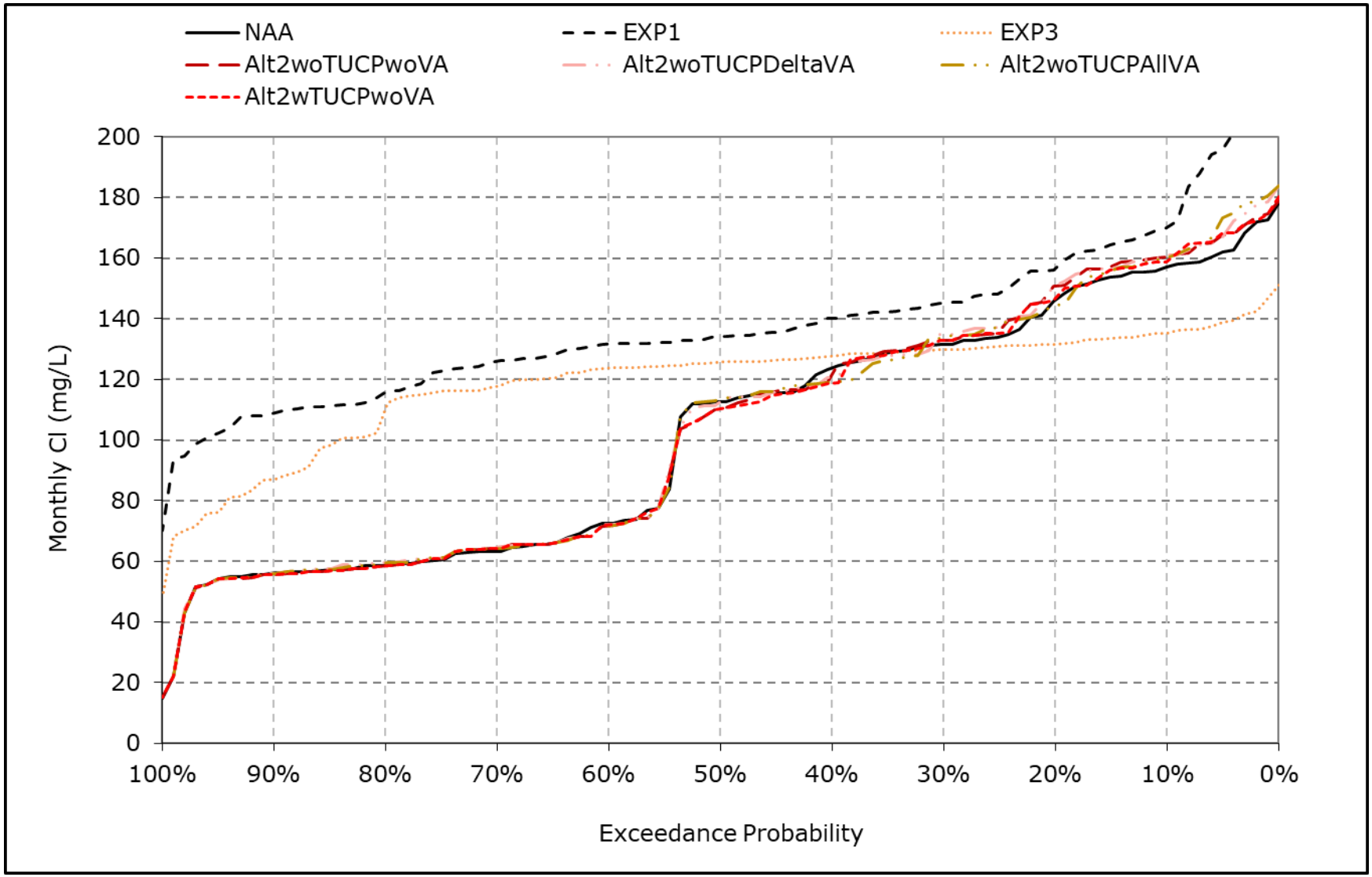
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-4-16. Jones Pumping Plant South Delta Exports Chloride, October Cl



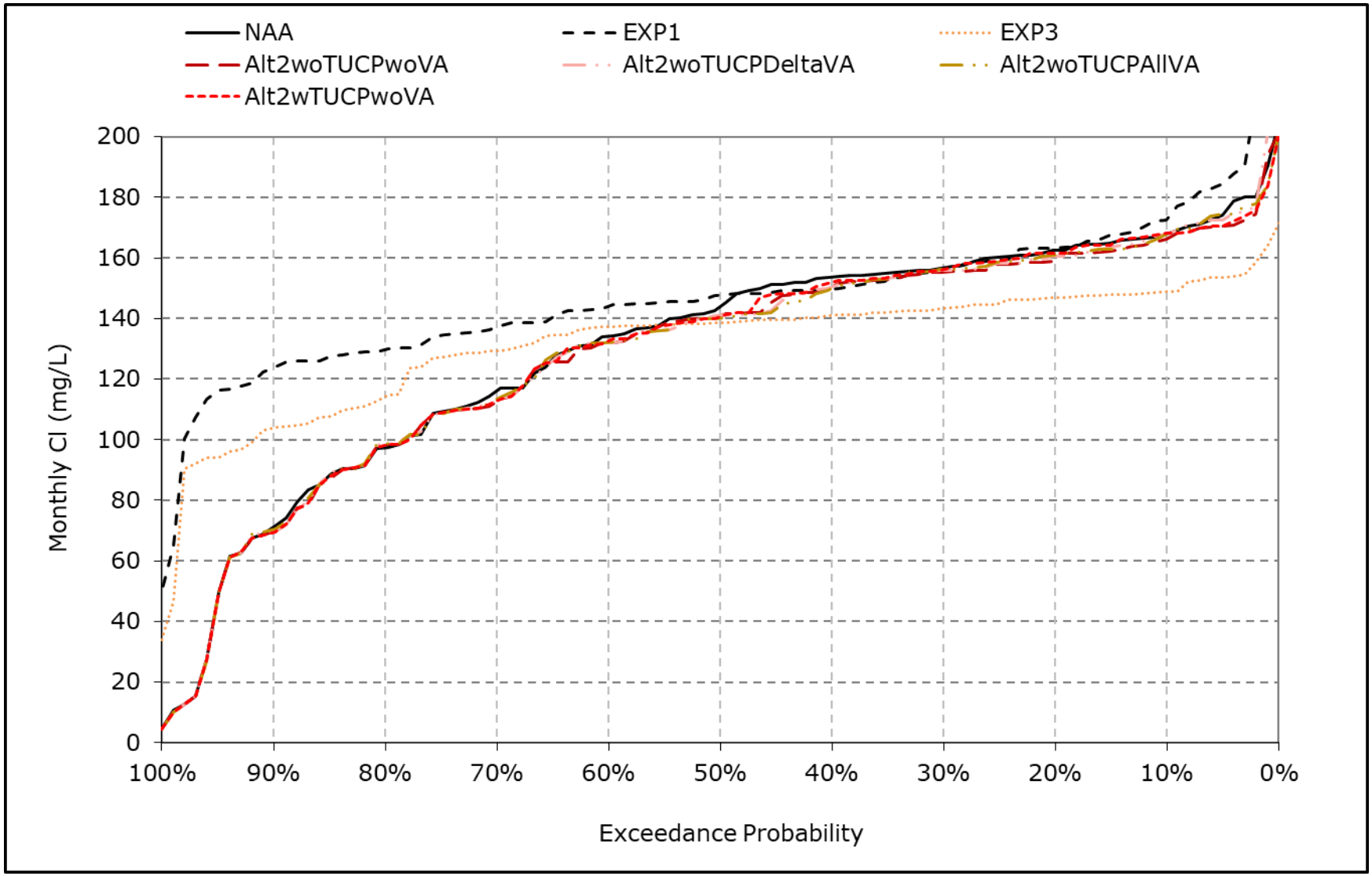
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-4-17. 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.2.7-4-18. Jones Pumping Plant South Delta Exports Chloride, December Cl



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

Table F.2.7-5-1a. 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 Water Years (28%)	18	20	23	21	22	23	23	19	17	16	16	17
Above Normal Years (14%)	18	20	24	24	26	26	24	20	17	16	16	17
Below Normal Years (18%)	18	20	24	23	24	24	24	20	17	17	16	17
Dry Water Years (24%)	18	21	24	24	26	28	25	20	17	16	16	17
Critical Water Years (16%)	19	21	25	25	28	29	26	21	19	18	18	18

Table F.2.7-5-1b. 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	32	28	21	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	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 Water Years (28%)	18	20	23	21	22	23	23	19	17	16	16	17
Above Normal Years (14%)	18	20	24	24	26	26	24	20	17	16	16	17
Below Normal Years (18%)	18	20	24	23	24	24	24	20	17	17	16	17
Dry Water Years (24%)	18	21	24	24	26	28	25	20	17	16	17	17
Critical Water Years (16%)	19	21	25	26	28	31	27	21	18	17	17	18

Table F.2.7-5-1c. 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	1	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (28%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Years (14%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Years (18%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (24%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (16%)	0	0	0	0	0	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.

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

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

Table F.2.7-5-2a. 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 Water Years (28%)	18	20	23	21	22	23	23	19	17	16	16	17
Above Normal Years (14%)	18	20	24	24	26	26	24	20	17	16	16	17
Below Normal Years (18%)	18	20	24	23	24	24	24	20	17	17	16	17
Dry Water Years (24%)	18	21	24	24	26	28	25	20	17	16	16	17
Critical Water Years (16%)	19	21	25	25	28	29	26	21	19	18	18	18

Table F.2.7-5-2b. 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	21	26	28	31	33	28	21	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 Water Years (28%)	18	20	23	21	22	23	23	19	17	16	16	17
Above Normal Years (14%)	18	20	24	24	26	26	24	20	17	16	16	17
Below Normal Years (18%)	18	20	24	23	24	24	24	20	17	17	16	17
Dry Water Years (24%)	18	21	24	24	26	28	25	20	17	17	16	17
Critical Water Years (16%)	19	21	25	25	28	31	27	21	18	17	17	18

Table F.2.7-5-2c. 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	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 Water Years (28%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Years (14%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Years (18%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (24%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (16%)	0	0	0	0	0	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.

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

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

Table F.2.7-5-3a. 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 Water Years (28%)	18	20	23	21	22	23	23	19	17	16	16	17
Above Normal Years (14%)	18	20	24	24	26	26	24	20	17	16	16	17
Below Normal Years (18%)	18	20	24	23	24	24	24	20	17	17	16	17
Dry Water Years (24%)	18	21	24	24	26	28	25	20	17	16	16	17
Critical Water Years (16%)	19	21	25	25	28	29	26	21	19	18	18	18

Table F.2.7-5-3b. North Bay Aqueduct Chloride, Alt2woTUCPAllVA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	19	21	26	28	32	32	28	21	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 Water Years (28%)	18	20	23	21	22	23	23	19	17	16	16	17
Above Normal Years (14%)	18	20	24	24	26	26	24	20	17	16	16	17
Below Normal Years (18%)	18	20	24	23	24	24	24	20	17	17	16	17
Dry Water Years (24%)	18	21	24	24	26	28	25	20	17	17	16	17
Critical Water Years (16%)	19	21	25	25	28	31	27	21	18	17	17	18

Table F.2.7-5-3c. North Bay Aqueduct Chloride, Alt2woTUCPAllVA 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 Water Years (28%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Years (14%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Years (18%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (24%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (16%)	0	0	0	0	0	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.

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

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

Table F.2.7-5-4a. 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 Water Years (28%)	18	20	23	21	22	23	23	19	17	16	16	17
Above Normal Years (14%)	18	20	24	24	26	26	24	20	17	16	16	17
Below Normal Years (18%)	18	20	24	23	24	24	24	20	17	17	16	17
Dry Water Years (24%)	18	21	24	24	26	28	25	20	17	16	16	17
Critical Water Years (16%)	19	21	25	25	28	29	26	21	19	18	18	18

Table F.2.7-5-4b. 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 Water Years (28%)	18	20	23	21	22	23	23	19	17	16	16	17
Above Normal Years (14%)	18	20	24	24	26	26	24	20	17	16	16	17
Below Normal Years (18%)	18	20	24	23	24	24	24	20	17	17	16	17
Dry Water Years (24%)	18	21	24	24	26	28	25	20	17	16	17	17
Critical Water Years (16%)	19	21	25	26	28	29	26	21	18	18	18	18

Table F.2.7-5-4c. 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 Water Years (28%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Years (14%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Years (18%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (24%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (16%)	0	0	0	0	0	0	0	0	0	0	0	0

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

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

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

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

Table F.2.7-5-5a. 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 Water Years (28%)	18	20	23	21	22	23	23	19	17	16	16	17
Above Normal Years (14%)	18	20	24	24	26	26	24	20	17	16	16	17
Below Normal Years (18%)	18	20	24	23	24	24	24	20	17	17	16	17
Dry Water Years (24%)	18	21	24	24	26	28	25	20	17	16	16	17
Critical Water Years (16%)	19	21	25	25	28	29	26	21	19	18	18	18

Table F.2.7-5-5b. North Bay Aqueduct Chloride, EXP3, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	20	22	26	33	40	45	39	27	21	19	18	19
20% Exceedance	20	22	26	30	39	43	37	26	21	19	18	19
30% Exceedance	20	22	25	30	37	41	35	26	21	19	18	19
40% Exceedance	20	22	25	29	35	39	34	26	21	19	18	18
50% Exceedance	20	22	25	29	33	38	33	25	21	19	18	18
60% Exceedance	20	21	24	28	32	37	32	25	20	19	18	18
70% Exceedance	20	21	24	27	31	36	31	25	20	18	18	18
80% Exceedance	19	21	24	27	30	35	30	25	20	18	18	18
90% Exceedance	19	21	24	27	29	34	30	24	20	18	18	18
Full Simulation Period Average[a]	20	22	25	29	34	39	34	26	21	19	18	18
Wet Water Years (28%)	20	21	24	30	36	42	38	26	20	18	18	18
Above Normal Years (14%)	20	22	25	30	37	42	35	25	20	18	18	18
Below Normal Years (18%)	20	22	25	29	34	38	33	25	21	19	18	18
Dry Water Years (24%)	20	22	25	28	32	38	33	25	21	19	18	19
Critical Water Years (16%)	20	22	25	29	32	37	32	25	21	19	18	19

Table F.2.7-5-5c. North Bay Aqueduct Chloride, EXP3 minus NAA, Monthly Cl (mg/L)

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

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

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

Table F.2.7-5-6a. North Bay Aqueduct Chloride, EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	109	68	72	61	52	51	42	27	22	24	42	123
20% Exceedance	81	57	50	46	46	46	38	26	21	21	30	91
30% Exceedance	68	45	36	38	40	43	36	26	20	20	28	75
40% Exceedance	55	39	32	33	38	41	34	25	20	19	25	58
50% Exceedance	47	33	29	32	36	39	33	25	20	19	23	48
60% Exceedance	34	27	27	30	34	38	32	25	20	19	21	40
70% Exceedance	25	23	26	29	33	36	31	25	20	18	20	28
80% Exceedance	22	22	25	28	31	35	30	24	20	18	19	22
90% Exceedance	20	22	24	27	30	34	30	24	19	18	18	19
Full Simulation Period Average[a]	54	41	41	40	39	41	35	26	21	20	27	60
Wet Water Years (28%)	28	24	25	33	38	42	38	27	20	18	22	31
Above Normal Years (14%)	40	28	27	40	41	43	35	25	20	19	24	47
Below Normal Years (18%)	61	38	33	47	42	40	33	25	20	20	29	69
Dry Water Years (24%)	76	50	43	36	36	38	32	25	20	21	29	81
Critical Water Years (16%)	75	72	88	51	43	41	33	26	23	25	36	80

Table F.2.7-5-6b. 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	32	28	21	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	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 Water Years (28%)	18	20	23	21	22	23	23	19	17	16	16	17
Above Normal Years (14%)	18	20	24	24	26	26	24	20	17	16	16	17
Below Normal Years (18%)	18	20	24	23	24	24	24	20	17	17	16	17
Dry Water Years (24%)	18	21	24	24	26	28	25	20	17	16	17	17
Critical Water Years (16%)	19	21	25	26	28	31	27	21	18	17	17	18

Table F.2.7-5-6c. North Bay Aqueduct Chloride, Alt2woTUCPwoVA minus EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-90	-46	-47	-33	-21	-19	-15	-6	-3	-6	-24	-105
20% Exceedance	-63	-36	-25	-20	-17	-16	-12	-6	-3	-4	-13	-73
30% Exceedance	-49	-24	-12	-12	-13	-15	-10	-5	-3	-3	-11	-57
40% Exceedance	-37	-18	-8	-9	-12	-14	-10	-5	-3	-3	-9	-40
50% Exceedance	-29	-12	-5	-9	-13	-14	-9	-5	-3	-2	-7	-31
60% Exceedance	-16	-7	-4	-9	-13	-15	-8	-5	-3	-2	-4	-23
70% Exceedance	-6	-3	-3	-9	-13	-14	-8	-5	-3	-2	-3	-11
80% Exceedance	-4	-2	-3	-8	-11	-13	-8	-5	-3	-2	-3	-5
90% Exceedance	-2	-2	-2	-8	-10	-13	-8	-5	-3	-2	-2	-2
Full Simulation Period Average[a]	-36	-20	-17	-17	-15	-15	-10	-6	-3	-4	-11	-43
Wet Water Years (28%)	-10	-4	-3	-11	-16	-20	-15	-7	-3	-2	-5	-14
Above Normal Years (14%)	-21	-8	-4	-17	-15	-18	-12	-6	-3	-2	-7	-30
Below Normal Years (18%)	-42	-18	-9	-25	-18	-16	-10	-5	-3	-3	-13	-52
Dry Water Years (24%)	-58	-29	-19	-12	-10	-11	-7	-5	-3	-4	-13	-63
Critical Water Years (16%)	-56	-50	-63	-25	-16	-10	-6	-5	-5	-7	-19	-62

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

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

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

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

Table F.2.7-5-7a. North Bay Aqueduct Chloride, EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	109	68	72	61	52	51	42	27	22	24	42	123
20% Exceedance	81	57	50	46	46	46	38	26	21	21	30	91
30% Exceedance	68	45	36	38	40	43	36	26	20	20	28	75
40% Exceedance	55	39	32	33	38	41	34	25	20	19	25	58
50% Exceedance	47	33	29	32	36	39	33	25	20	19	23	48
60% Exceedance	34	27	27	30	34	38	32	25	20	19	21	40
70% Exceedance	25	23	26	29	33	36	31	25	20	18	20	28
80% Exceedance	22	22	25	28	31	35	30	24	20	18	19	22
90% Exceedance	20	22	24	27	30	34	30	24	19	18	18	19
Full Simulation Period Average[a]	54	41	41	40	39	41	35	26	21	20	27	60
Wet Water Years (28%)	28	24	25	33	38	42	38	27	20	18	22	31
Above Normal Years (14%)	40	28	27	40	41	43	35	25	20	19	24	47
Below Normal Years (18%)	61	38	33	47	42	40	33	25	20	20	29	69
Dry Water Years (24%)	76	50	43	36	36	38	32	25	20	21	29	81
Critical Water Years (16%)	75	72	88	51	43	41	33	26	23	25	36	80

Table F.2.7-5-7b. 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	21	26	28	31	33	28	21	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 Water Years (28%)	18	20	23	21	22	23	23	19	17	16	16	17
Above Normal Years (14%)	18	20	24	24	26	26	24	20	17	16	16	17
Below Normal Years (18%)	18	20	24	23	24	24	24	20	17	17	16	17
Dry Water Years (24%)	18	21	24	24	26	28	25	20	17	17	16	17
Critical Water Years (16%)	19	21	25	25	28	31	27	21	18	17	17	18

Table F.2.7-5-7c. North Bay Aqueduct Chloride, Alt2woTUCPDeltaVA minus EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-90	-46	-47	-33	-21	-18	-15	-6	-3	-6	-24	-105
20% Exceedance	-63	-36	-25	-20	-17	-16	-12	-6	-3	-4	-13	-74
30% Exceedance	-49	-24	-12	-12	-13	-15	-10	-5	-3	-3	-11	-57
40% Exceedance	-37	-18	-8	-9	-12	-14	-10	-5	-3	-3	-9	-40
50% Exceedance	-29	-12	-5	-9	-13	-14	-9	-5	-3	-2	-7	-31
60% Exceedance	-16	-7	-4	-9	-13	-15	-8	-5	-3	-2	-4	-23
70% Exceedance	-6	-3	-3	-9	-13	-14	-8	-5	-3	-2	-3	-11
80% Exceedance	-4	-2	-3	-8	-11	-13	-8	-5	-3	-2	-3	-5
90% Exceedance	-2	-2	-2	-8	-10	-13	-8	-5	-3	-2	-2	-2
Full Simulation Period Average[a]	-36	-20	-17	-17	-15	-15	-10	-6	-3	-4	-11	-43
Wet Water Years (28%)	-10	-4	-3	-11	-16	-20	-15	-7	-3	-2	-5	-14
Above Normal Years (14%)	-21	-8	-4	-17	-15	-18	-12	-6	-3	-2	-7	-30
Below Normal Years (18%)	-42	-18	-9	-25	-18	-16	-10	-5	-3	-3	-13	-52
Dry Water Years (24%)	-58	-29	-19	-12	-10	-11	-7	-5	-3	-4	-13	-64
Critical Water Years (16%)	-56	-50	-63	-25	-16	-10	-6	-5	-5	-7	-19	-62

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

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

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

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

Table F.2.7-5-8a. North Bay Aqueduct Chloride, EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	109	68	72	61	52	51	42	27	22	24	42	123
20% Exceedance	81	57	50	46	46	46	38	26	21	21	30	91
30% Exceedance	68	45	36	38	40	43	36	26	20	20	28	75
40% Exceedance	55	39	32	33	38	41	34	25	20	19	25	58
50% Exceedance	47	33	29	32	36	39	33	25	20	19	23	48
60% Exceedance	34	27	27	30	34	38	32	25	20	19	21	40
70% Exceedance	25	23	26	29	33	36	31	25	20	18	20	28
80% Exceedance	22	22	25	28	31	35	30	24	20	18	19	22
90% Exceedance	20	22	24	27	30	34	30	24	19	18	18	19
Full Simulation Period Average[a]	54	41	41	40	39	41	35	26	21	20	27	60
Wet Water Years (28%)	28	24	25	33	38	42	38	27	20	18	22	31
Above Normal Years (14%)	40	28	27	40	41	43	35	25	20	19	24	47
Below Normal Years (18%)	61	38	33	47	42	40	33	25	20	20	29	69
Dry Water Years (24%)	76	50	43	36	36	38	32	25	20	21	29	81
Critical Water Years (16%)	75	72	88	51	43	41	33	26	23	25	36	80

Table F.2.7-5-8b. North Bay Aqueduct Chloride, Alt2woTUCPAllVA, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	19	21	26	28	32	32	28	21	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 Water Years (28%)	18	20	23	21	22	23	23	19	17	16	16	17
Above Normal Years (14%)	18	20	24	24	26	26	24	20	17	16	16	17
Below Normal Years (18%)	18	20	24	23	24	24	24	20	17	17	16	17
Dry Water Years (24%)	18	21	24	24	26	28	25	20	17	17	16	17
Critical Water Years (16%)	19	21	25	25	28	31	27	21	18	17	17	18

Table F.2.7-5-8c. North Bay Aqueduct Chloride, Alt2woTUCPAllVA minus EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-90	-46	-47	-33	-21	-19	-15	-6	-3	-6	-24	-105
20% Exceedance	-63	-36	-25	-20	-17	-16	-12	-6	-3	-4	-13	-74
30% Exceedance	-49	-24	-12	-12	-13	-15	-10	-6	-3	-3	-11	-57
40% Exceedance	-37	-18	-8	-9	-12	-14	-10	-5	-3	-3	-9	-40
50% Exceedance	-29	-12	-5	-9	-13	-14	-9	-5	-3	-2	-7	-31
60% Exceedance	-16	-7	-4	-9	-13	-15	-8	-5	-3	-2	-4	-23
70% Exceedance	-6	-3	-3	-9	-13	-14	-8	-5	-3	-2	-3	-11
80% Exceedance	-4	-2	-3	-8	-11	-13	-8	-5	-3	-2	-3	-5
90% Exceedance	-2	-2	-2	-8	-10	-13	-8	-5	-3	-2	-2	-2
Full Simulation Period Average[a]	-36	-20	-17	-17	-15	-15	-10	-6	-3	-4	-11	-43
Wet Water Years (28%)	-10	-4	-3	-11	-16	-20	-15	-7	-3	-2	-5	-14
Above Normal Years (14%)	-21	-8	-4	-17	-15	-18	-12	-6	-3	-2	-7	-30
Below Normal Years (18%)	-42	-18	-9	-24	-18	-16	-10	-5	-3	-3	-13	-52
Dry Water Years (24%)	-58	-29	-19	-12	-10	-11	-7	-5	-3	-4	-13	-64
Critical Water Years (16%)	-56	-50	-63	-25	-16	-10	-6	-5	-5	-7	-19	-62

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

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

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

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

Table F.2.7-5-9a. North Bay Aqueduct Chloride, EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	109	68	72	61	52	51	42	27	22	24	42	123
20% Exceedance	81	57	50	46	46	46	38	26	21	21	30	91
30% Exceedance	68	45	36	38	40	43	36	26	20	20	28	75
40% Exceedance	55	39	32	33	38	41	34	25	20	19	25	58
50% Exceedance	47	33	29	32	36	39	33	25	20	19	23	48
60% Exceedance	34	27	27	30	34	38	32	25	20	19	21	40
70% Exceedance	25	23	26	29	33	36	31	25	20	18	20	28
80% Exceedance	22	22	25	28	31	35	30	24	20	18	19	22
90% Exceedance	20	22	24	27	30	34	30	24	19	18	18	19
Full Simulation Period Average[a]	54	41	41	40	39	41	35	26	21	20	27	60
Wet Water Years (28%)	28	24	25	33	38	42	38	27	20	18	22	31
Above Normal Years (14%)	40	28	27	40	41	43	35	25	20	19	24	47
Below Normal Years (18%)	61	38	33	47	42	40	33	25	20	20	29	69
Dry Water Years (24%)	76	50	43	36	36	38	32	25	20	21	29	81
Critical Water Years (16%)	75	72	88	51	43	41	33	26	23	25	36	80

Table F.2.7-5-9b. 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 Water Years (28%)	18	20	23	21	22	23	23	19	17	16	16	17
Above Normal Years (14%)	18	20	24	24	26	26	24	20	17	16	16	17
Below Normal Years (18%)	18	20	24	23	24	24	24	20	17	17	16	17
Dry Water Years (24%)	18	21	24	24	26	28	25	20	17	16	17	17
Critical Water Years (16%)	19	21	25	26	28	29	26	21	18	18	18	18

Table F.2.7-5-9c. North Bay Aqueduct Chloride, Alt2wTUCPwoVA minus EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-90	-46	-47	-33	-21	-20	-15	-6	-3	-6	-24	-105
20% Exceedance	-63	-36	-25	-20	-17	-17	-12	-6	-3	-4	-13	-73
30% Exceedance	-49	-24	-12	-12	-13	-15	-10	-5	-3	-3	-11	-57
40% Exceedance	-37	-18	-8	-9	-12	-14	-10	-5	-3	-3	-9	-40
50% Exceedance	-29	-12	-5	-9	-13	-14	-9	-5	-3	-2	-7	-31
60% Exceedance	-16	-7	-4	-9	-13	-15	-8	-5	-3	-2	-4	-23
70% Exceedance	-6	-3	-3	-9	-13	-14	-8	-5	-3	-2	-3	-11
80% Exceedance	-4	-2	-3	-8	-11	-13	-8	-5	-3	-2	-3	-5
90% Exceedance	-2	-2	-2	-8	-10	-13	-8	-5	-3	-2	-2	-2
Full Simulation Period Average[a]	-36	-20	-17	-17	-15	-15	-10	-6	-3	-4	-11	-43
Wet Water Years (28%)	-10	-4	-3	-11	-16	-20	-15	-7	-3	-2	-5	-14
Above Normal Years (14%)	-21	-8	-4	-17	-15	-18	-12	-6	-3	-2	-7	-30
Below Normal Years (18%)	-42	-18	-9	-25	-18	-16	-10	-5	-3	-3	-13	-52
Dry Water Years (24%)	-58	-29	-19	-12	-10	-11	-7	-5	-3	-4	-13	-63
Critical Water Years (16%)	-55	-50	-63	-25	-16	-12	-7	-5	-5	-7	-19	-62

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

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

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

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

Table F.2.7-5-10a. North Bay Aqueduct Chloride, EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	109	68	72	61	52	51	42	27	22	24	42	123
20% Exceedance	81	57	50	46	46	46	38	26	21	21	30	91
30% Exceedance	68	45	36	38	40	43	36	26	20	20	28	75
40% Exceedance	55	39	32	33	38	41	34	25	20	19	25	58
50% Exceedance	47	33	29	32	36	39	33	25	20	19	23	48
60% Exceedance	34	27	27	30	34	38	32	25	20	19	21	40
70% Exceedance	25	23	26	29	33	36	31	25	20	18	20	28
80% Exceedance	22	22	25	28	31	35	30	24	20	18	19	22
90% Exceedance	20	22	24	27	30	34	30	24	19	18	18	19
Full Simulation Period Average[a]	54	41	41	40	39	41	35	26	21	20	27	60
Wet Water Years (28%)	28	24	25	33	38	42	38	27	20	18	22	31
Above Normal Years (14%)	40	28	27	40	41	43	35	25	20	19	24	47
Below Normal Years (18%)	61	38	33	47	42	40	33	25	20	20	29	69
Dry Water Years (24%)	76	50	43	36	36	38	32	25	20	21	29	81
Critical Water Years (16%)	75	72	88	51	43	41	33	26	23	25	36	80

Table F.2.7-5-10b. 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 Water Years (28%)	18	20	23	21	22	23	23	19	17	16	16	17
Above Normal Years (14%)	18	20	24	24	26	26	24	20	17	16	16	17
Below Normal Years (18%)	18	20	24	23	24	24	24	20	17	17	16	17
Dry Water Years (24%)	18	21	24	24	26	28	25	20	17	16	16	17
Critical Water Years (16%)	19	21	25	25	28	29	26	21	19	18	18	18

Table F.2.7-5-10c. North Bay Aqueduct Chloride, NAA minus EXP1, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-90	-46	-47	-33	-21	-20	-15	-6	-3	-6	-24	-105
20% Exceedance	-63	-36	-25	-20	-17	-17	-12	-6	-3	-4	-13	-73
30% Exceedance	-49	-24	-12	-12	-13	-15	-11	-5	-3	-3	-11	-57
40% Exceedance	-37	-18	-8	-9	-12	-14	-10	-5	-3	-3	-9	-40
50% Exceedance	-29	-12	-5	-9	-13	-14	-9	-5	-3	-2	-7	-31
60% Exceedance	-16	-7	-4	-9	-13	-15	-8	-5	-3	-2	-4	-23
70% Exceedance	-6	-3	-3	-9	-13	-14	-8	-5	-3	-2	-3	-11
80% Exceedance	-4	-2	-2	-8	-11	-13	-8	-5	-3	-2	-3	-5
90% Exceedance	-2	-2	-2	-8	-10	-13	-8	-5	-3	-2	-2	-2
Full Simulation Period Average[a]	-36	-20	-17	-17	-15	-15	-10	-6	-3	-4	-11	-43
Wet Water Years (28%)	-10	-4	-3	-11	-16	-20	-15	-7	-3	-2	-5	-14
Above Normal Years (14%)	-21	-8	-4	-17	-15	-18	-12	-6	-3	-2	-7	-30
Below Normal Years (18%)	-42	-18	-9	-25	-18	-16	-10	-5	-3	-3	-13	-52
Dry Water Years (24%)	-58	-29	-19	-12	-10	-11	-7	-5	-3	-4	-13	-64
Critical Water Years (16%)	-55	-50	-63	-25	-16	-12	-7	-5	-5	-7	-19	-62

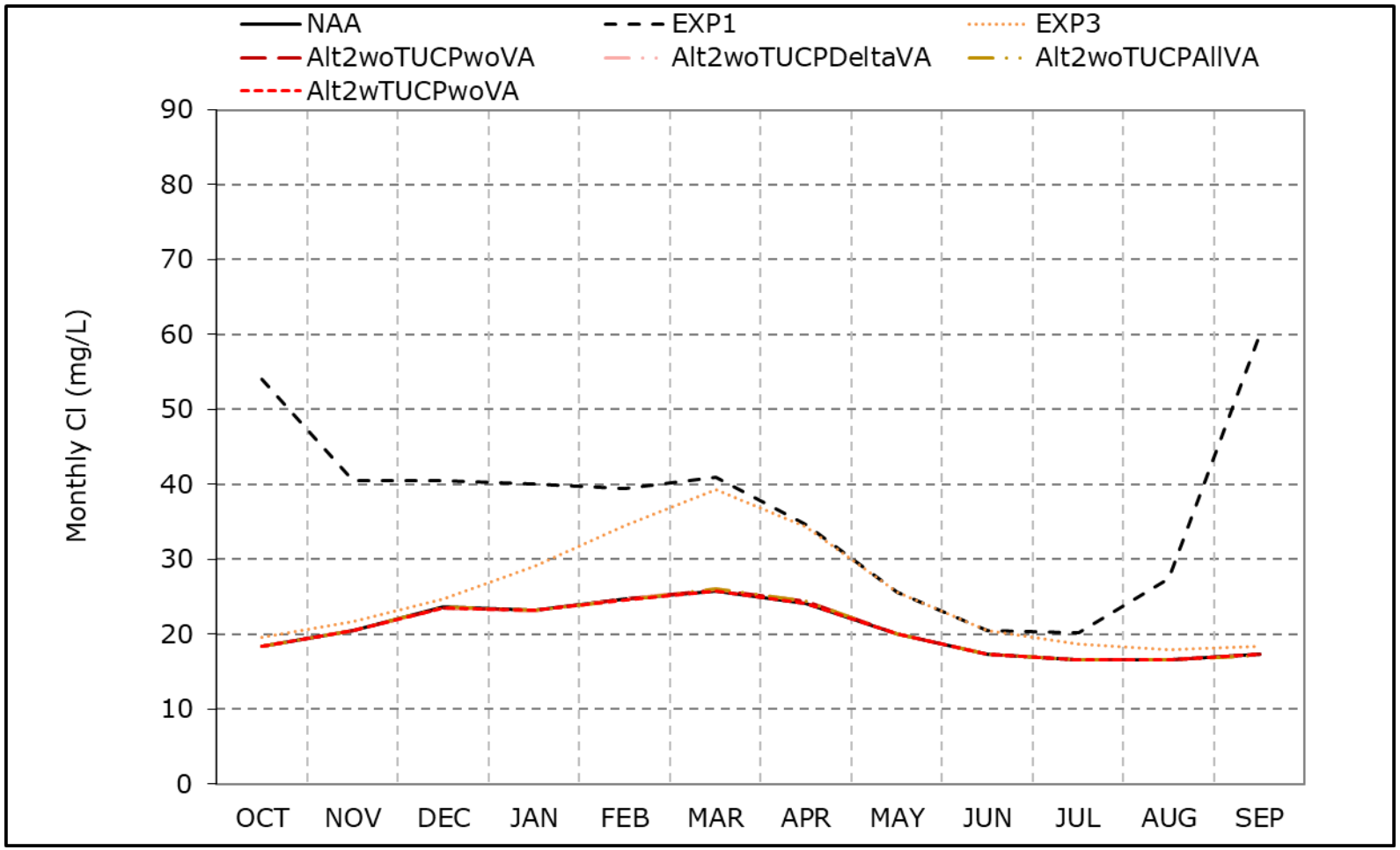
[a] Based on the 100-year simulation period.

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

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

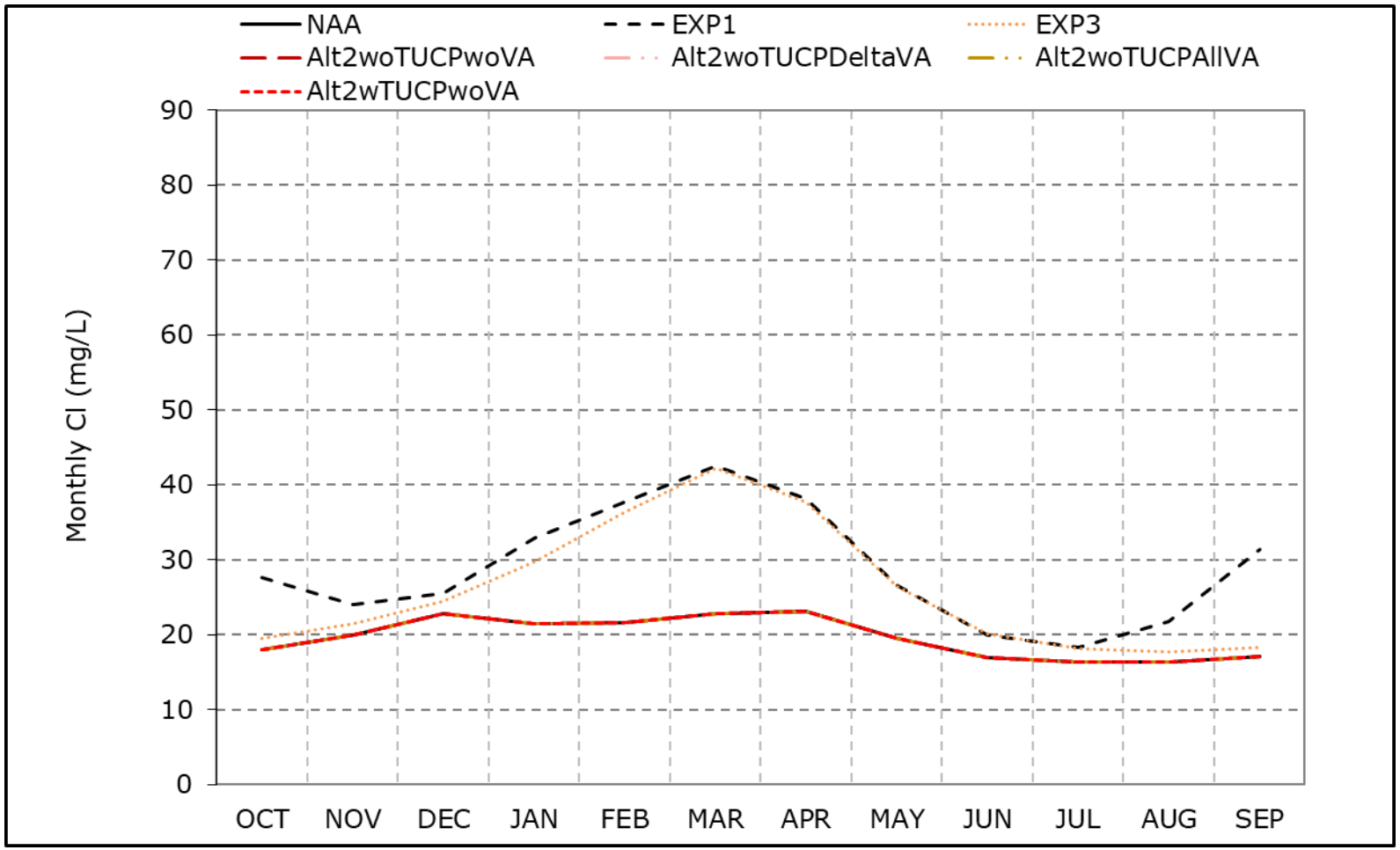
* These results are displayed with calendar year - year type sorting.

Figure F.2.7-5-1. North Bay Aqueduct Chloride, Long-Term Average Cl



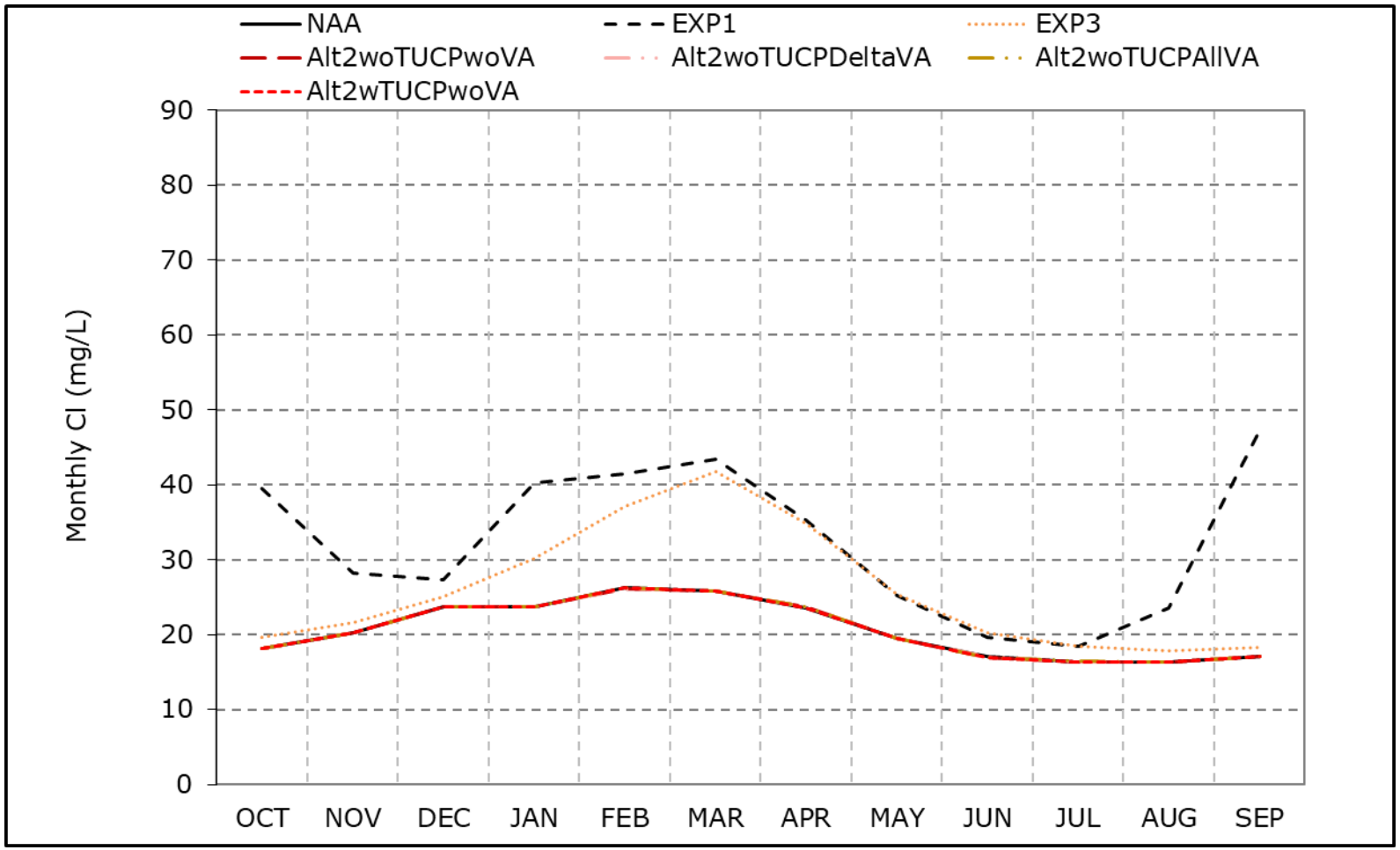
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-5-2. North Bay Aqueduct Chloride, Wet Year Average Cl



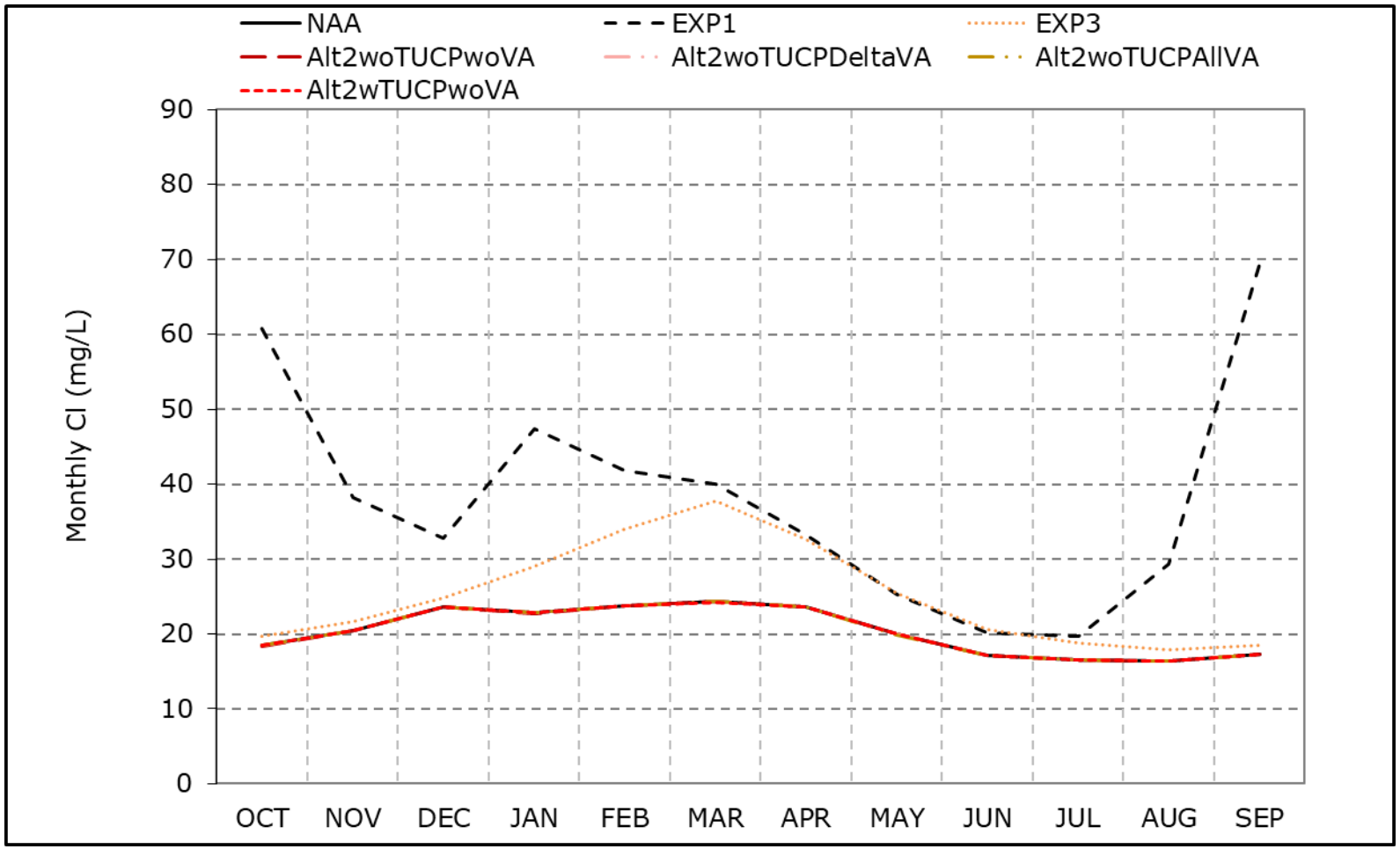
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-5-3. North Bay Aqueduct Chloride, Above Normal Year Average Cl



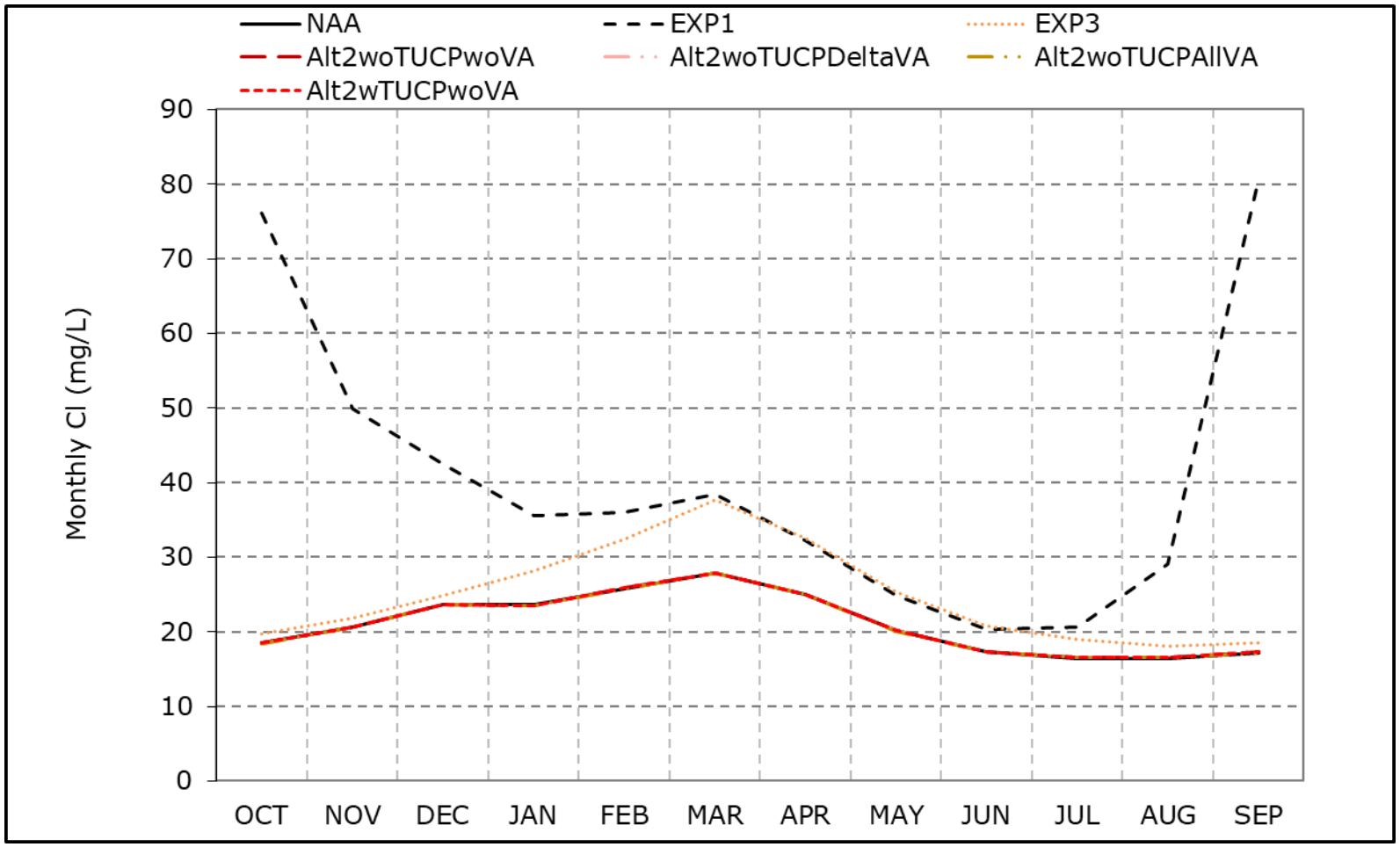
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-5-4. North Bay Aqueduct Chloride, Below Normal Year Average Cl



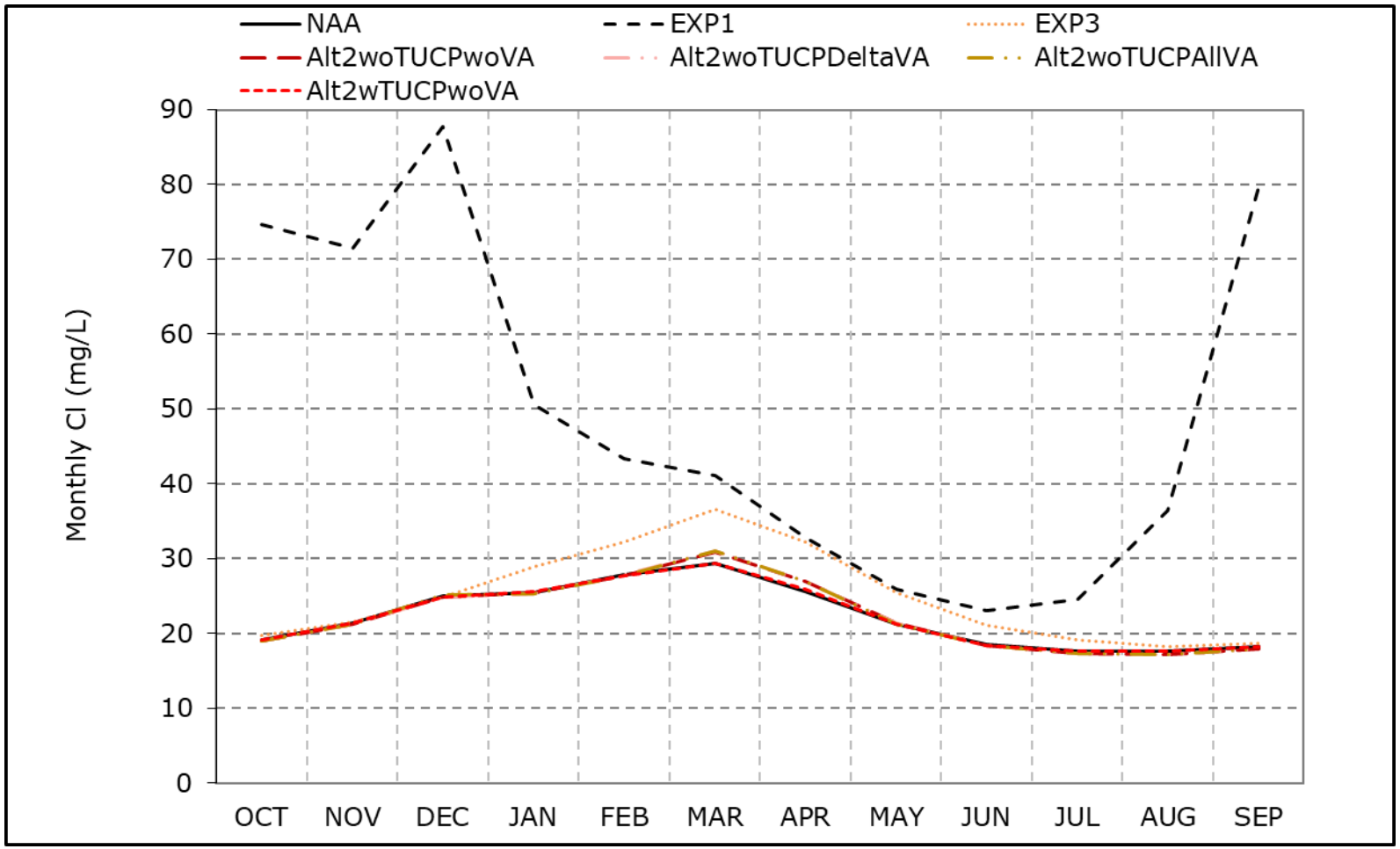
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-5-5. North Bay Aqueduct Chloride, Dry Year Average Cl



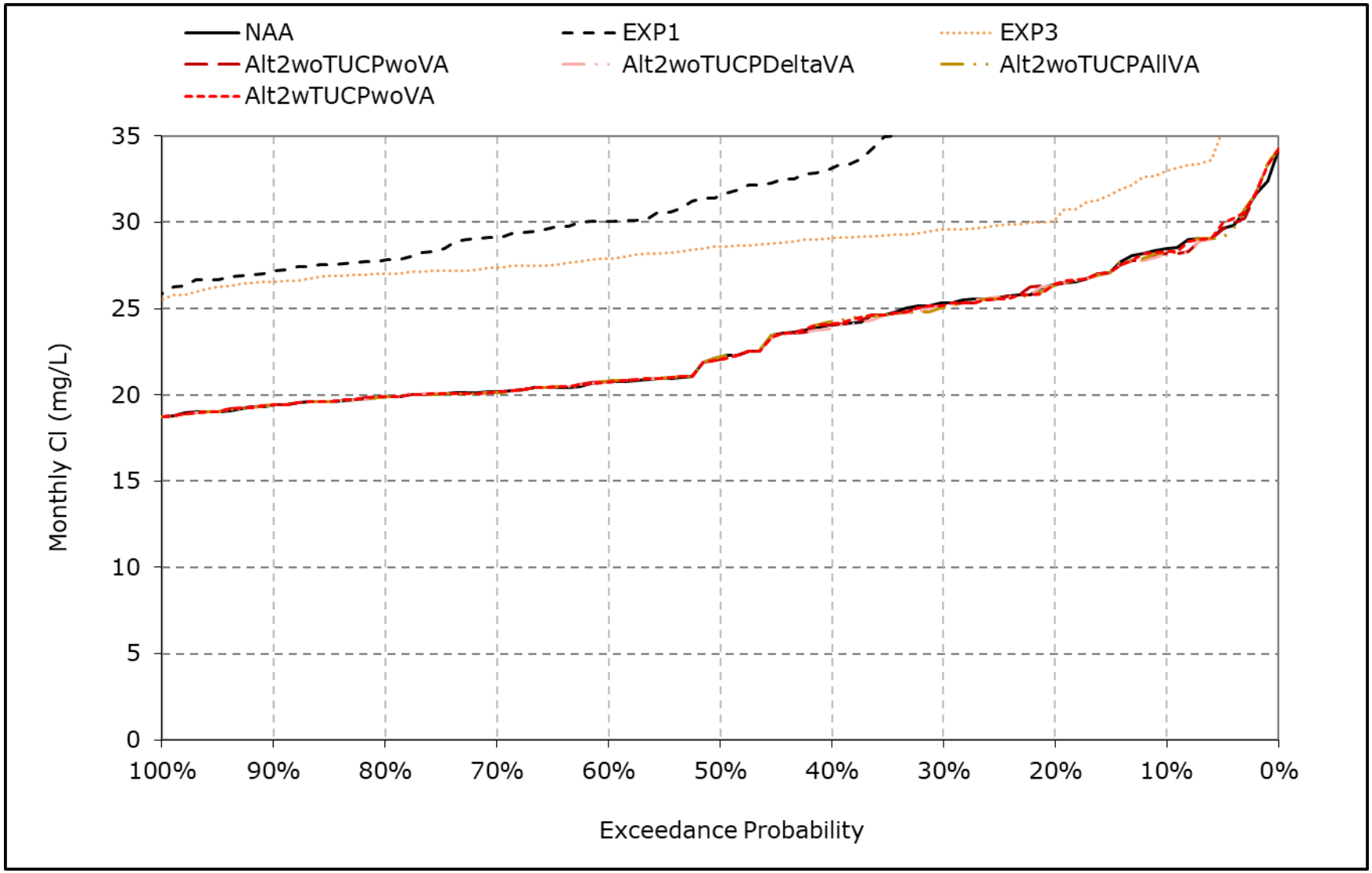
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-5-6. North Bay Aqueduct Chloride, Critical Year Average Cl



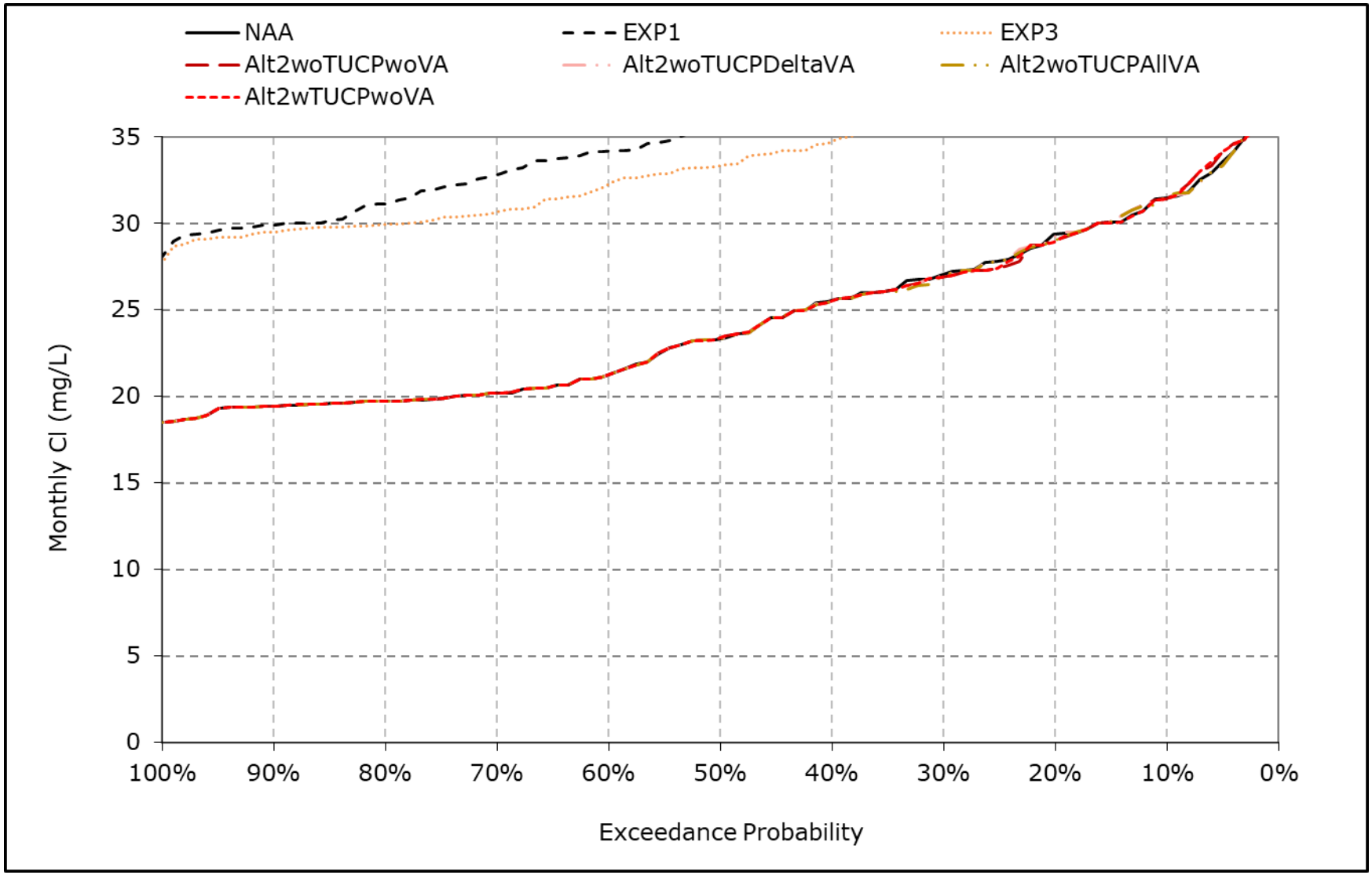
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-5-7. North Bay Aqueduct Chloride, January Cl



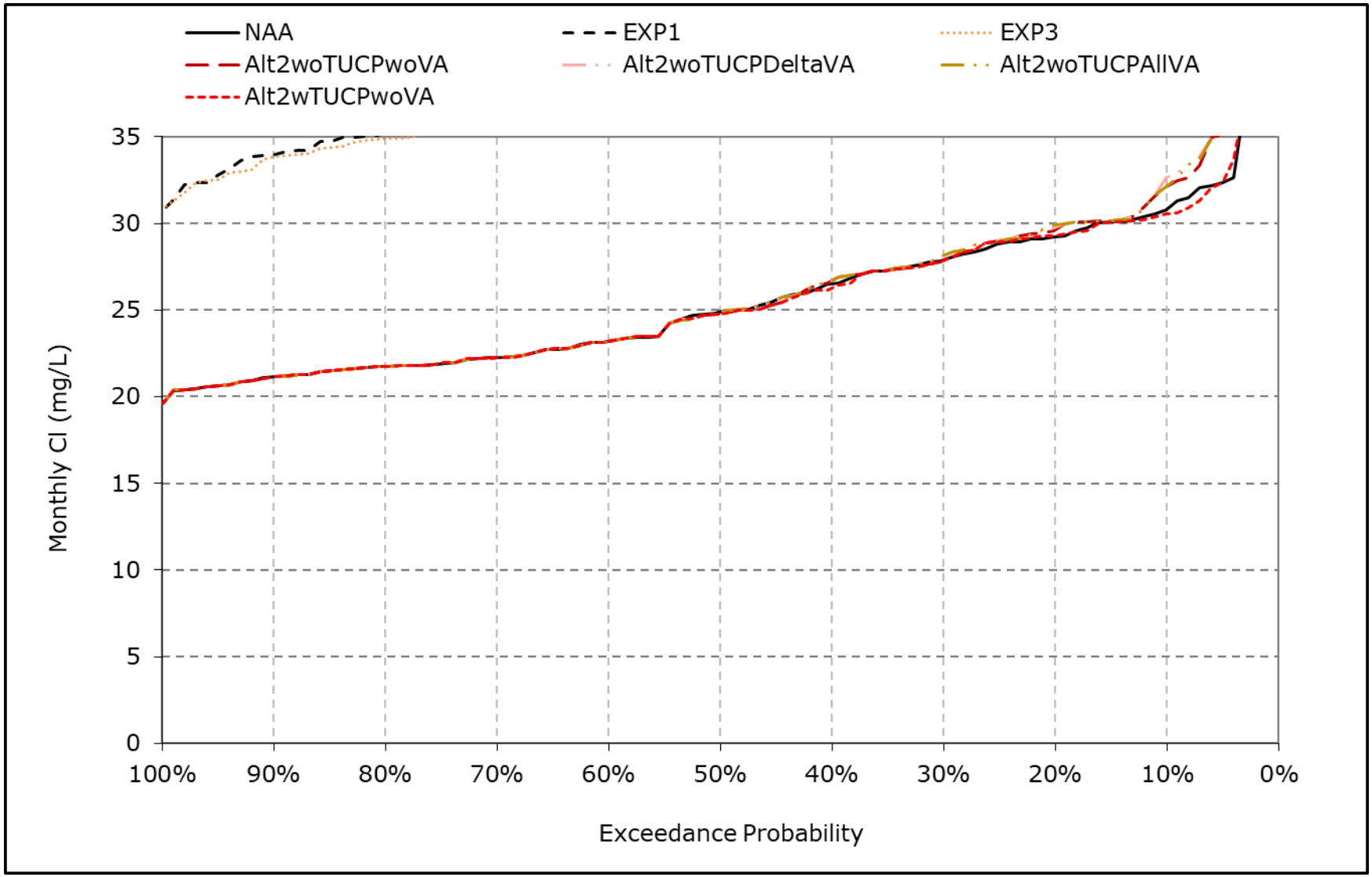
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-5-8. North Bay Aqueduct Chloride, February Cl



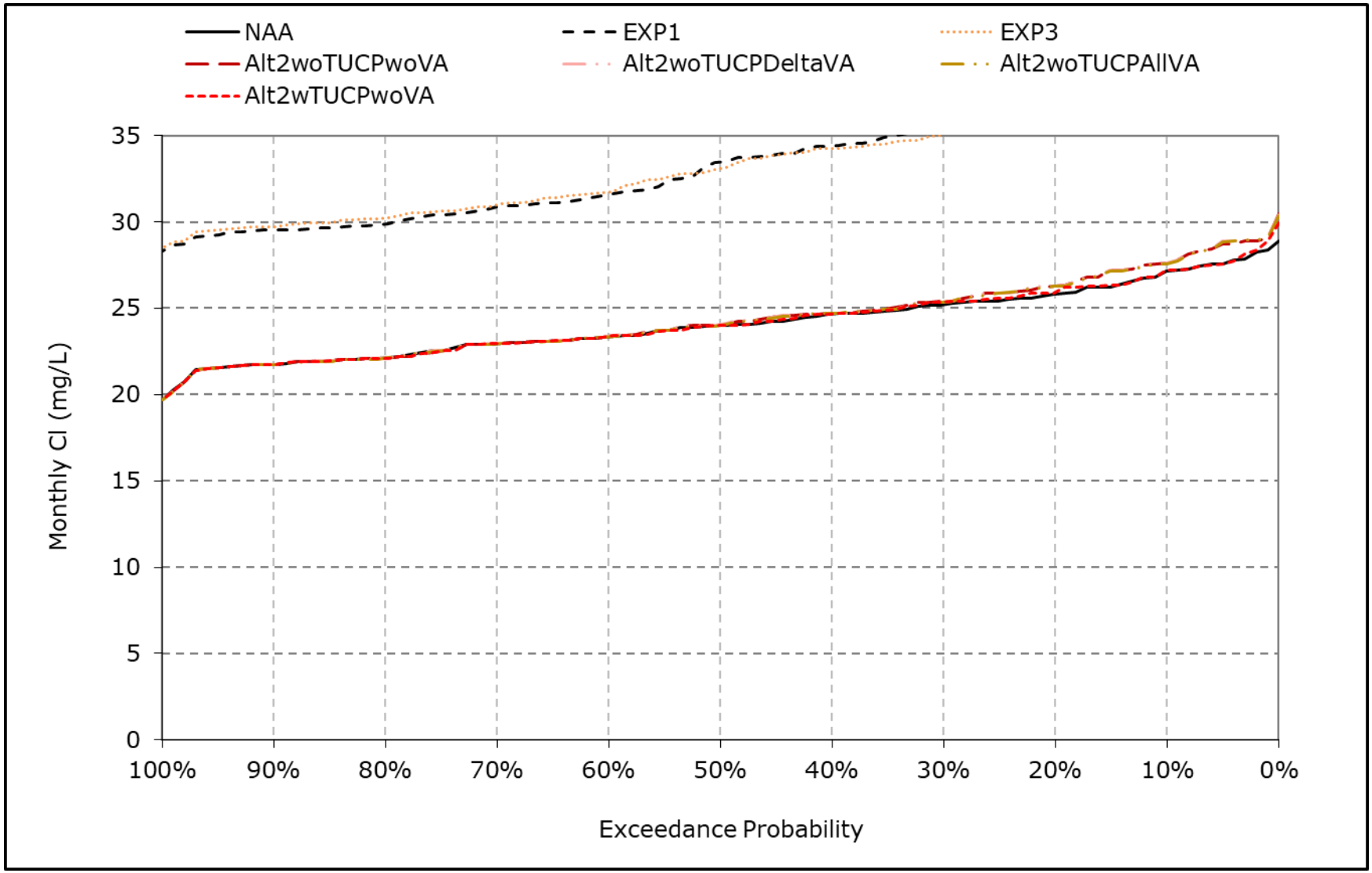
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-5-9. North Bay Aqueduct Chloride, March Cl



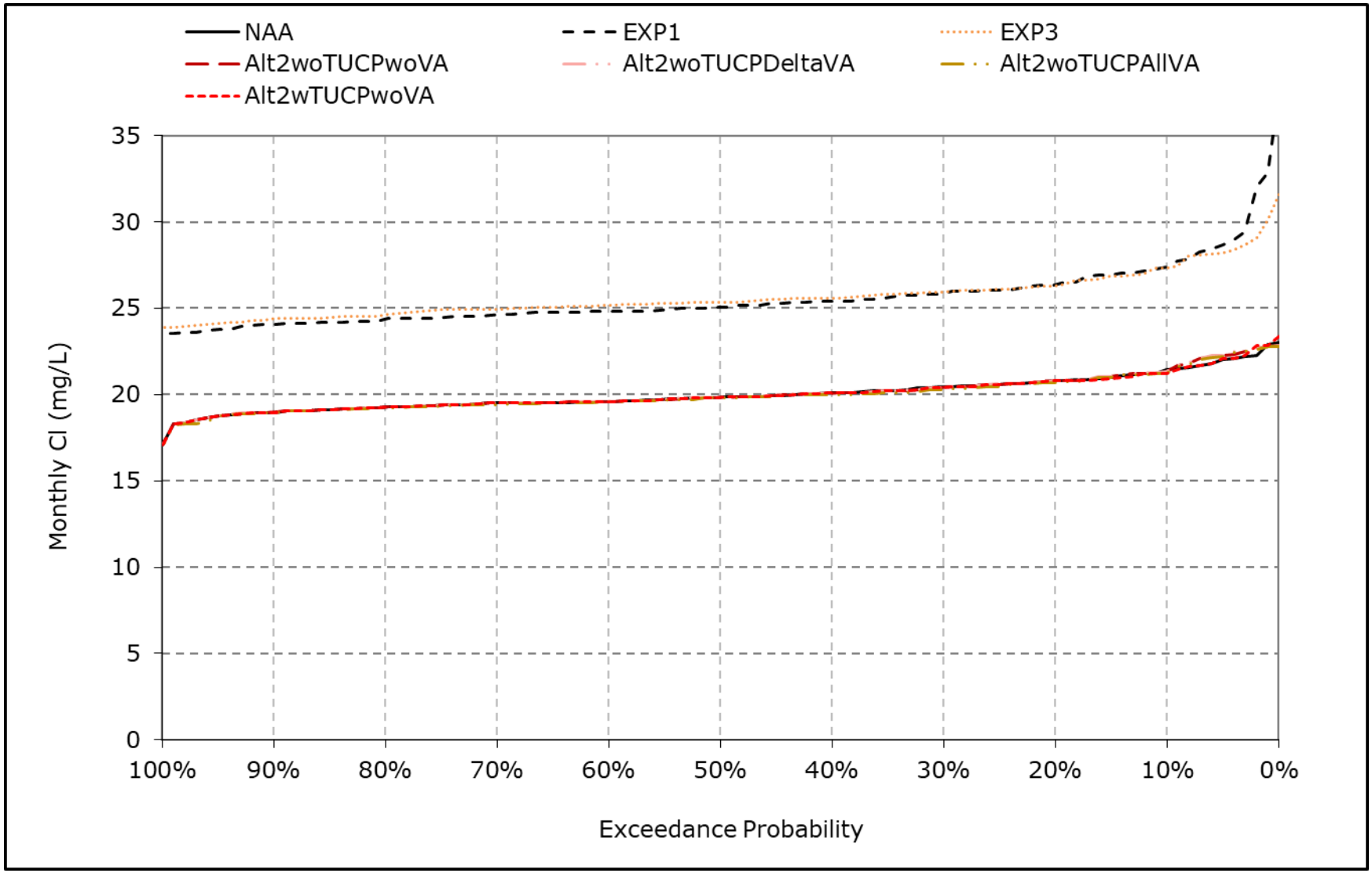
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-5-10. North Bay Aqueduct Chloride, April Cl



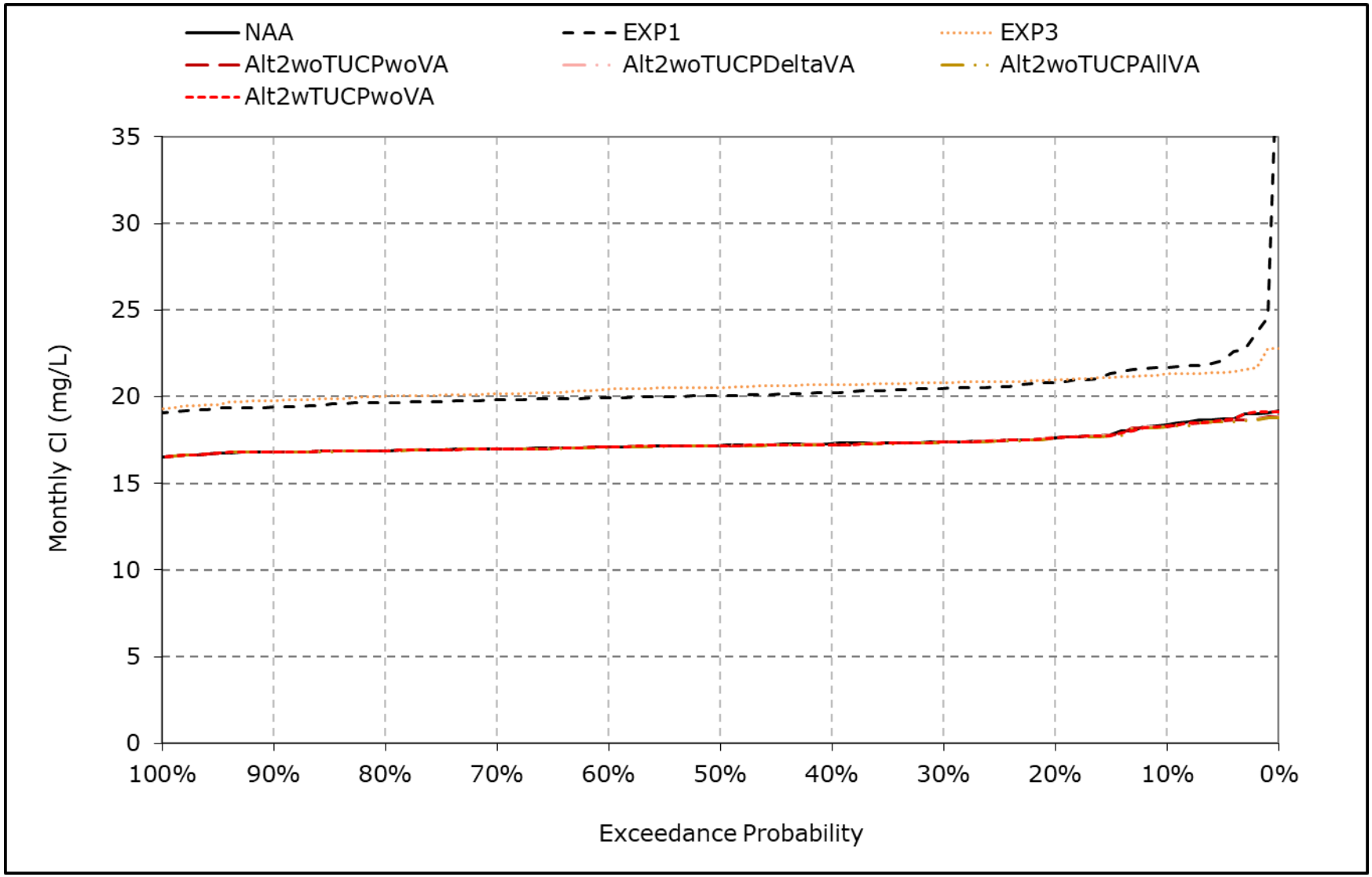
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-5-11. North Bay Aqueduct Chloride, May Cl



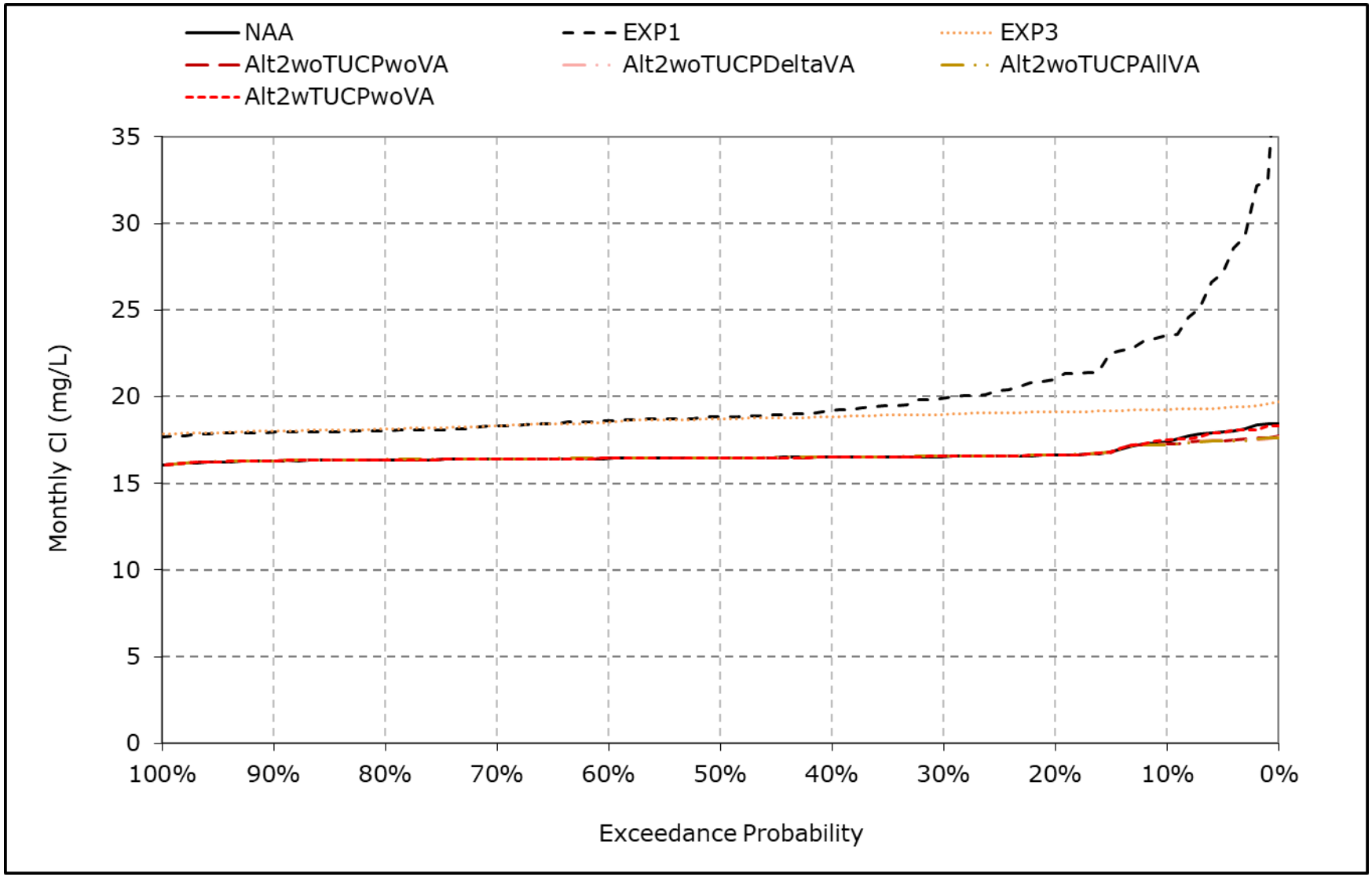
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-5-12. North Bay Aqueduct Chloride, June Cl



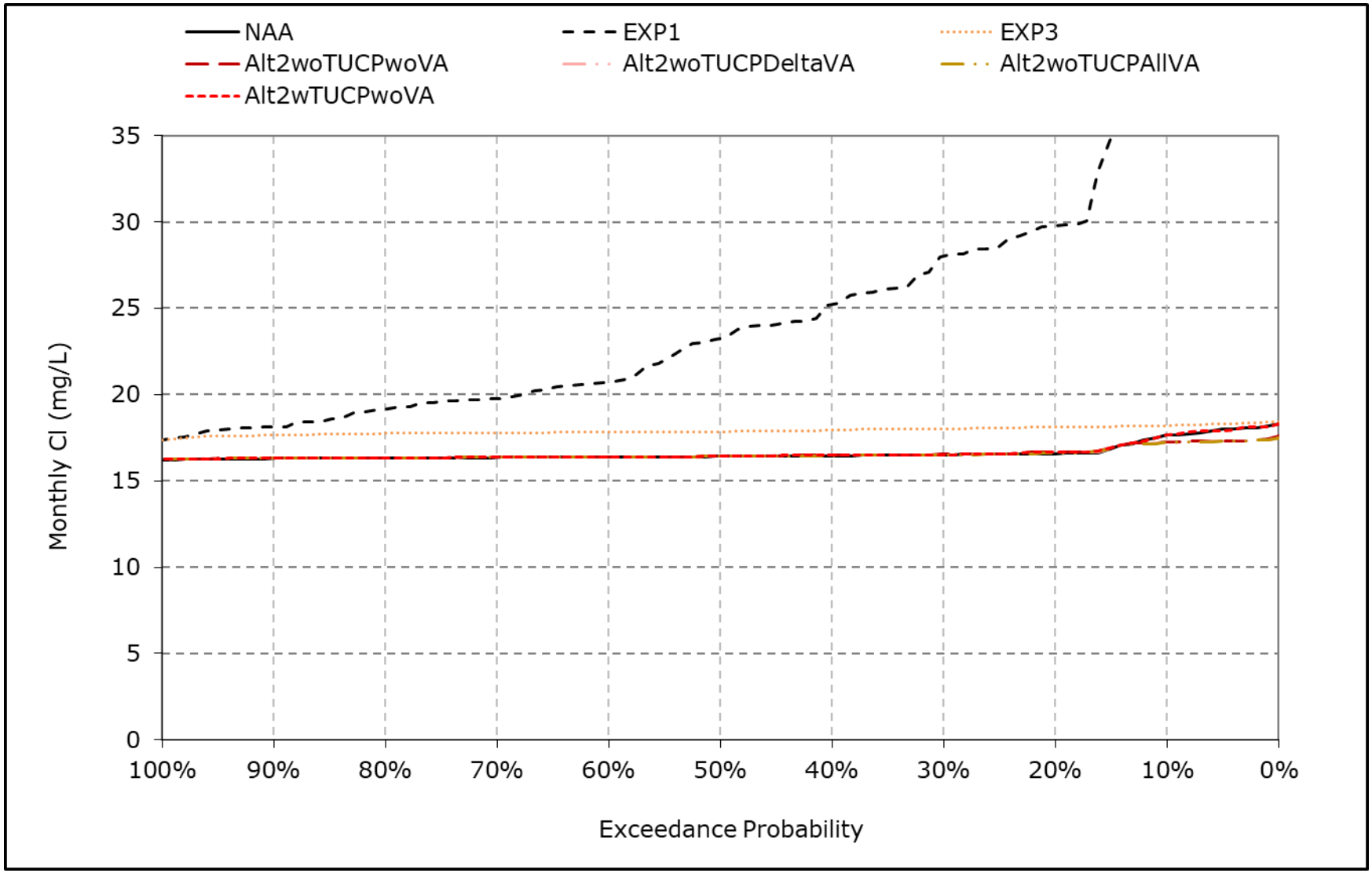
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-5-13. North Bay Aqueduct Chloride, July Cl



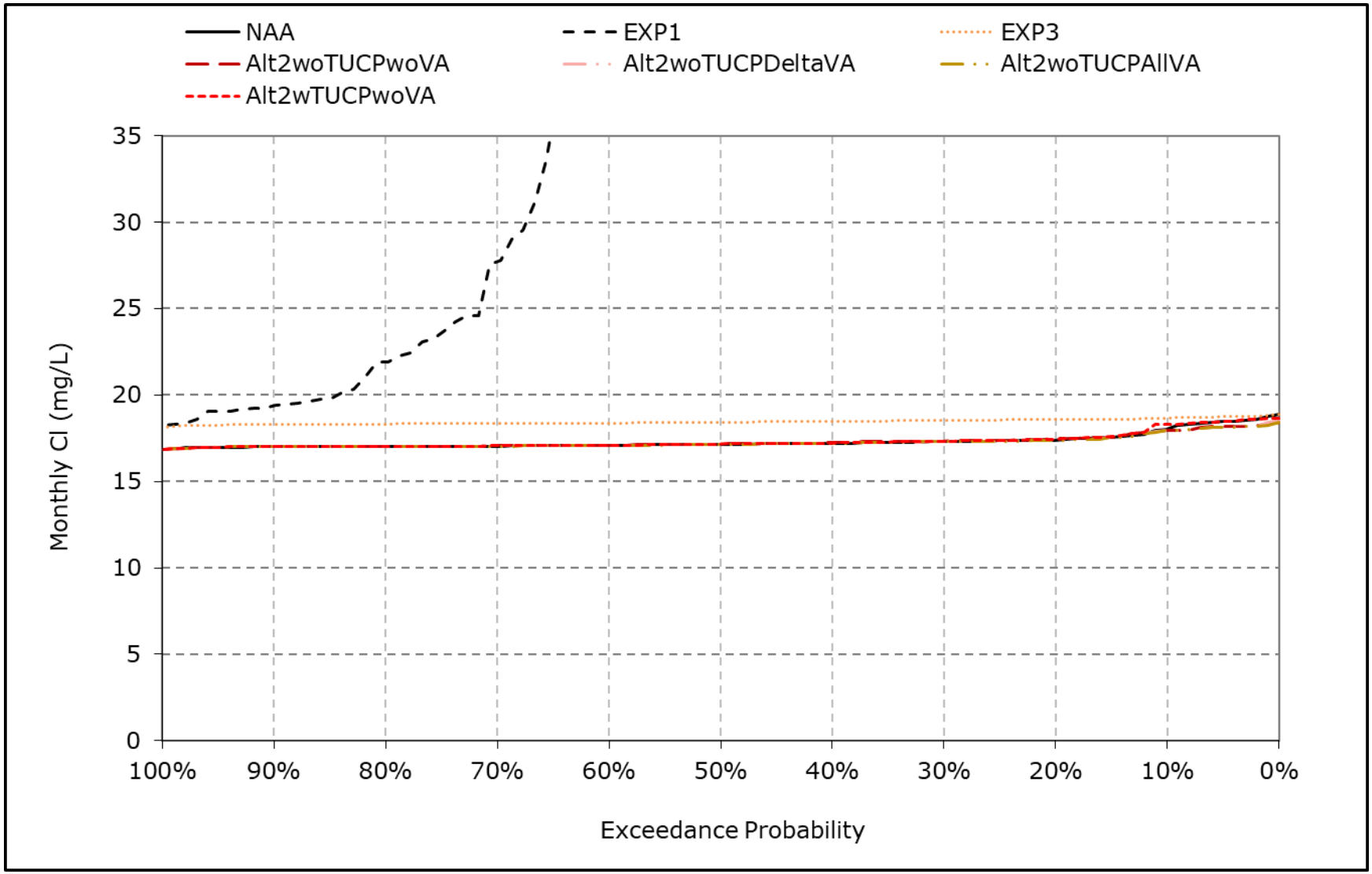
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-5-14. North Bay Aqueduct Chloride, August Cl



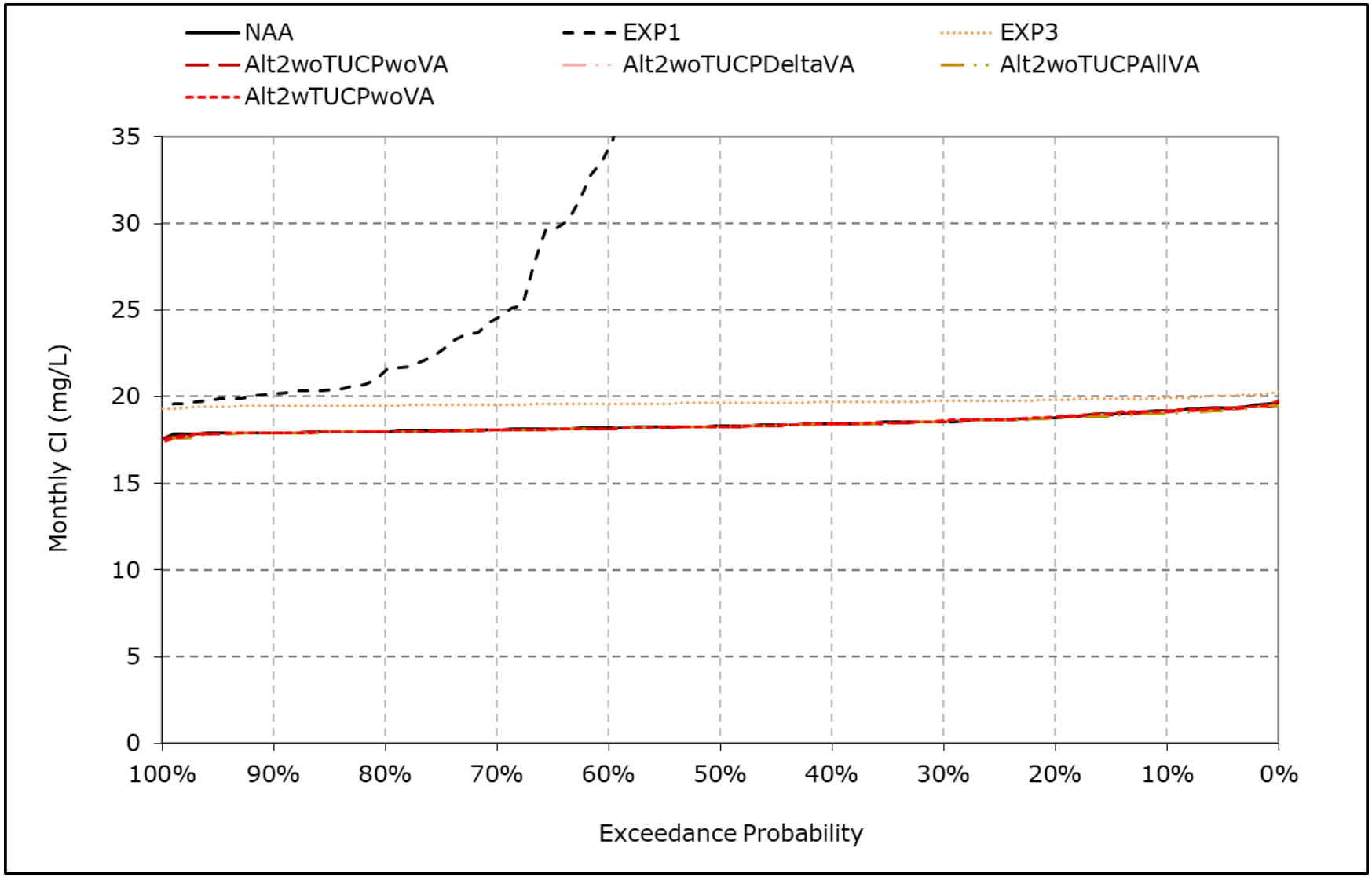
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-5-15. North Bay Aqueduct Chloride, September Cl



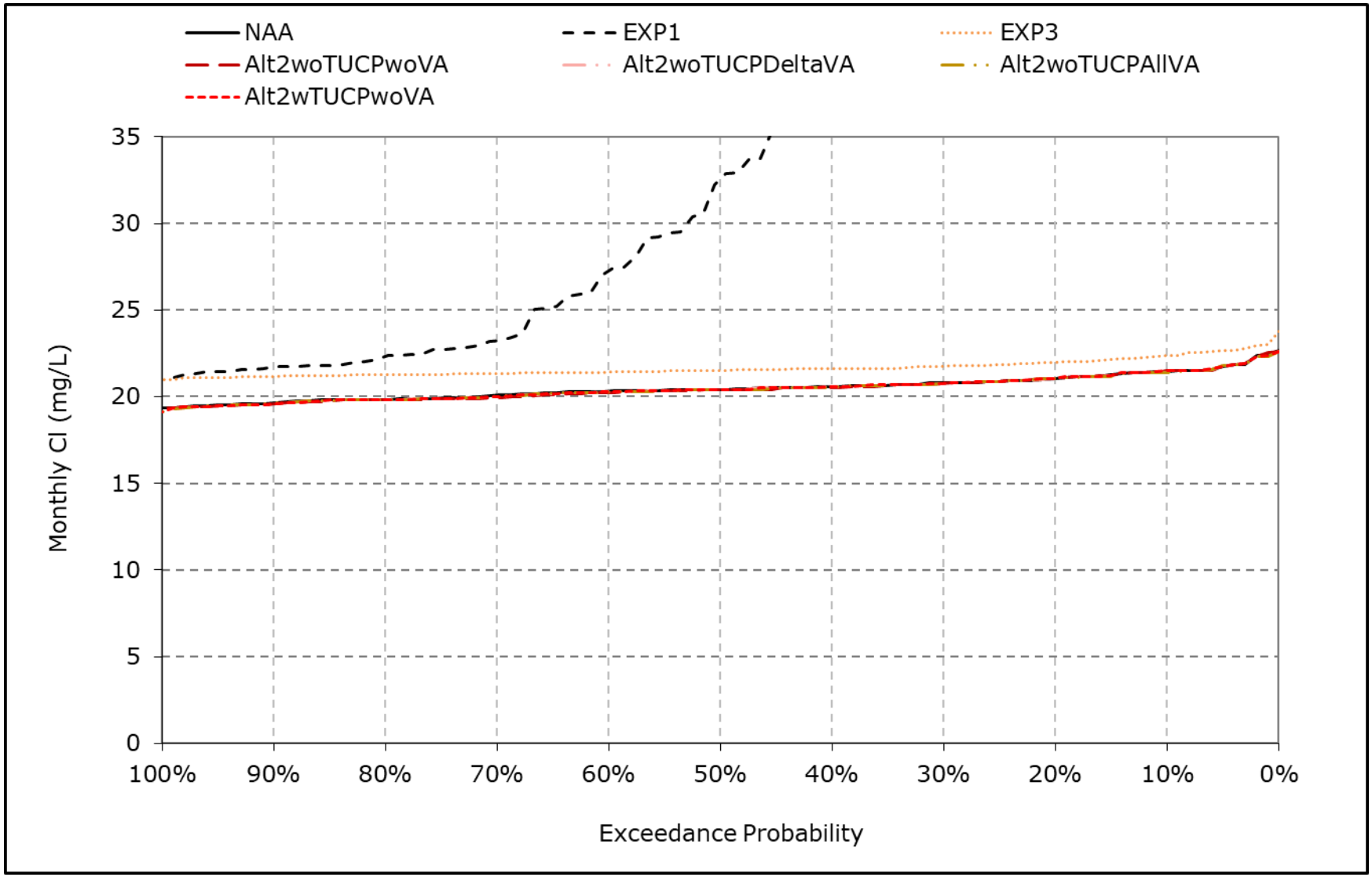
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-5-16. North Bay Aqueduct Chloride, October Cl



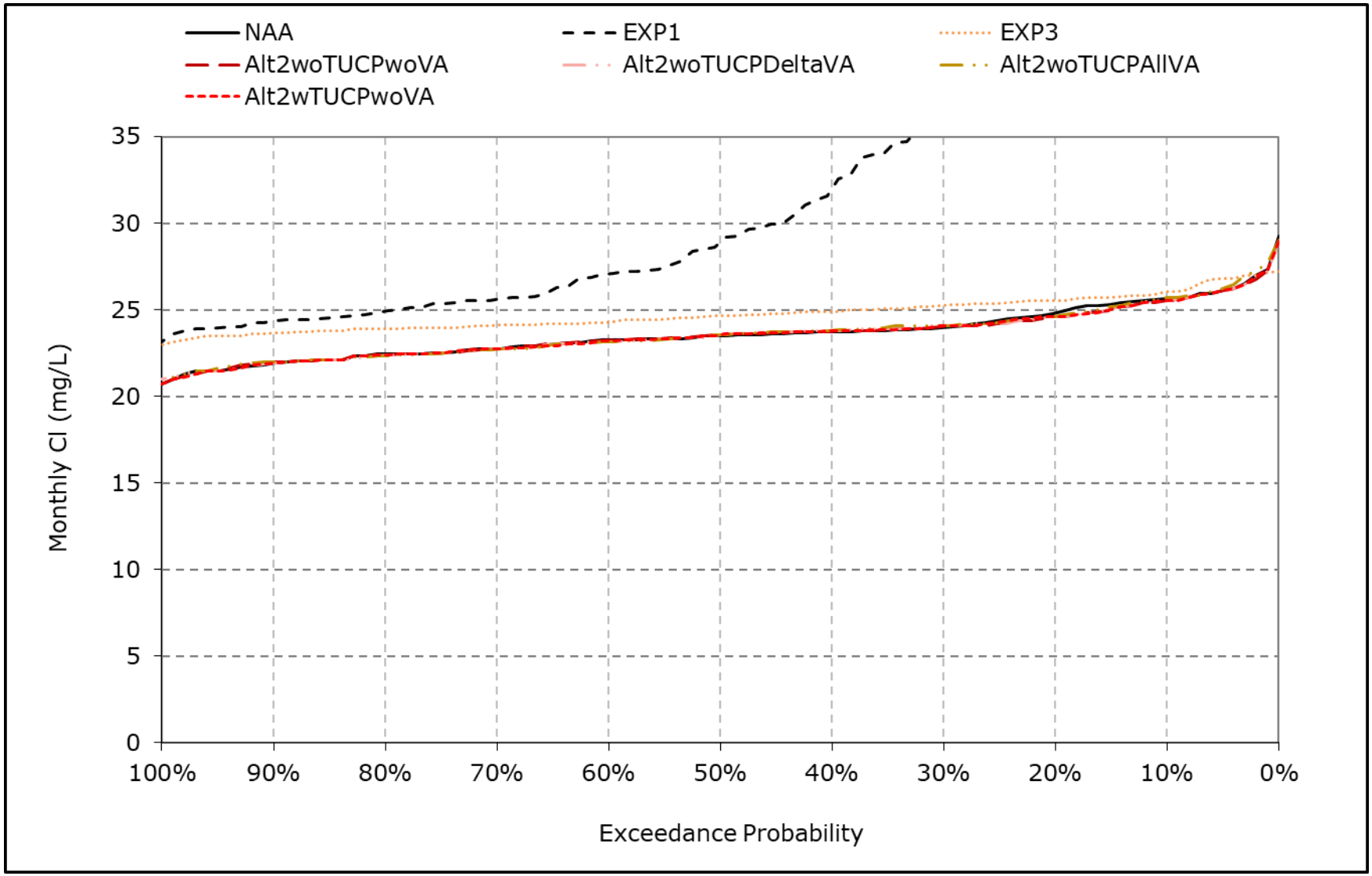
*All scenarios are simulated at 2022 Median climate condition and 15 cm sea level rise.

Figure F.2.7-5-17. North Bay Aqueduct Chloride, November Cl



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

Figure F.2.7-5-18. North Bay Aqueduct Chloride, December Cl



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