Appendix 6B2 – Sacramento – San Joaquin Delta Modeling, Chloride Results (DSM2-QUAL)

The following results of the DSM2 QUAL model are included for chloride results at key project locations for the following alternatives:

- No Action Alternative 051422
- Alternative 1A 051722
- Alternative 1B 051722
- Alternative 2 051722
- Alternative 3 051722

Section	Output Parameters	Table Numbers	Figure Numbers
Chloride	Contra Costa Pumping Plant Chloride	6B2-1-1a to 6B2-1-4c	6B2-1-1 to 6B2-1-18
Chloride	San Joaquin River at Antioch Chloride	6B2-2-1a to 6B2-2-4c	6B2-2-1 to 6B2-2-18
Chloride	Banks Pumping Plant South Delta Exports Chloride	6B2-3-1a to 6B2-3-4c	6B2-3-1 to 6B2-3-18
Chloride	Jones Pumping Plant South Delta Exports Chloride	6B2-4-1a to 6B2-4-4c	6B2-4-1 to 6B2-4-18
Chloride	North Bay Aqueduct Chloride	6B2-5-1a to 6B2-5-4c	6B2-5-1 to 6B2-5-18

Report formats

- Monthly tables comparing an alternative against the No Action alternative (exceedance values, long-term average, and average by water year type)
- Monthly pattern charts (long-term average and average by water year type) including all alternatives
- Monthly exceedance charts (all months) including all alternatives

Table 6B2-1-1a. Contra Costa Pumping Plant, No Action Alternative 051422, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	209	192	219	223	104	56	45	32	33	95	142	195
20% Exceedance	201	169	194	195	81	47	40	29	28	60	113	181
30% Exceedance	185	155	180	174	66	37	37	28	26	44	95	165
40% Exceedance	181	138	171	124	59	35	33	27	24	36	86	148
50% Exceedance	162	103	153	90	51	30	30	26	24	29	68	130
60% Exceedance	25	53	138	61	39	28	29	26	23	25	42	54
70% Exceedance	23	39	93	48	32	27	28	25	22	24	33	40
80% Exceedance	21	35	52	38	30	26	27	24	22	23	27	31
90% Exceedance	19	26	32	30	27	24	25	22	21	21	22	20
Full Simulation Period Average[a]	113	104	137	113	57	36	33	28	29	45	72	107
Wet Water Years (32%)	21	34	103	53	46	36	30	24	23	23	28	32
Above Normal Years (15%)	23	52	141	105	52	37	34	26	23	25	35	43
Below Normal Years (17%)	196	152	133	134	47	32	37	28	23	39	93	188
Dry Water Years (22%)	182	162	150	143	62	32	33	29	26	61	108	153
Critical Water Years (15%)	201	167	195	185	90	46	35	36	62	94	124	173

Table 6B2-1-1b. Contra Costa Pumping Plant, Alternative 1A 051722, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	204	187	215	223	104	57	45	33	32	93	145	195
20% Exceedance	193	169	195	199	81	48	40	30	28	61	115	178
30% Exceedance	182	160	180	172	67	37	38	28	26	48	101	164
40% Exceedance	173	142	171	124	59	35	33	27	25	37	89	147
50% Exceedance	160	112	156	82	50	30	31	26	24	29	74	130
60% Exceedance	25	54	142	60	39	28	29	26	23	25	41	50
70% Exceedance	22	38	94	49	33	27	28	25	22	24	32	37
80% Exceedance	21	34	68	39	30	26	27	24	22	23	26	29
90% Exceedance	19	26	32	31	28	24	25	22	21	21	22	20
Full Simulation Period Average[a]	110	105	139	113	57	36	34	28	29	46	73	106
Wet Water Years (32%)	21	34	103	54	46	37	31	24	23	23	28	30
Above Normal Years (15%)	23	49	141	106	52	37	34	27	23	25	35	40
Below Normal Years (17%)	187	158	143	128	46	32	37	28	23	39	92	182
Dry Water Years (22%)	179	164	150	146	63	33	34	29	26	65	115	154
Critical Water Years (15%)	198	163	195	183	90	46	36	36	60	95	127	176

Table 6B2-1-1c. Contra Costa Pumping Plant, Alternative 1A 051722 minus No Action Alternative 051422, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-5	-5	-4	0	0	0	0	1	-2	-2	4	-1
20% Exceedance	-7	-1	1	3	0	1	0	0	0	2	1	-3
30% Exceedance	-3	5	0	-2	0	0	2	0	0	4	6	-1
40% Exceedance	-8	4	0	0	0	0	0	0	0	1	3	-1
50% Exceedance	-2	8	3	-7	-1	0	1	0	0	0	6	0
60% Exceedance	0	1	4	-1	0	0	0	0	0	0	0	-4
70% Exceedance	-1	-1	2	1	0	0	0	0	0	0	-1	-2
80% Exceedance	0	-2	15	1	0	0	0	0	0	0	0	-2
90% Exceedance	0	0	0	1	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	-3	1	2	0	0	0	0	0	0	1	1	-1
Wet Water Years (32%)	0	0	0	1	0	1	0	0	0	0	0	-2
Above Normal Years (15%)	-1	-3	0	2	0	0	0	1	0	0	-1	-3
Below Normal Years (17%)	-8	6	10	-6	-1	0	0	0	0	0	-1	-6
Dry Water Years (22%)	-4	2	0	3	2	0	0	0	0	4	6	0
Critical Water Years (15%)	-3	-4	0	-2	0	1	0	0	-1	0	2	4

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 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 6B2-1-2a. Contra Costa Pumping Plant, No Action Alternative 051422, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	209	192	219	223	104	56	45	32	33	95	142	195
20% Exceedance	201	169	194	195	81	47	40	29	28	60	113	181
30% Exceedance	185	155	180	174	66	37	37	28	26	44	95	165
40% Exceedance	181	138	171	124	59	35	33	27	24	36	86	148
50% Exceedance	162	103	153	90	51	30	30	26	24	29	68	130
60% Exceedance	25	53	138	61	39	28	29	26	23	25	42	54
70% Exceedance	23	39	93	48	32	27	28	25	22	24	33	40
80% Exceedance	21	35	52	38	30	26	27	24	22	23	27	31
90% Exceedance	19	26	32	30	27	24	25	22	21	21	22	20
Full Simulation Period Average[a]	113	104	137	113	57	36	33	28	29	45	72	107
Wet Water Years (32%)	21	34	103	53	46	36	30	24	23	23	28	32
Above Normal Years (15%)	23	52	141	105	52	37	34	26	23	25	35	43
Below Normal Years (17%)	196	152	133	134	47	32	37	28	23	39	93	188
Dry Water Years (22%)	182	162	150	143	62	32	33	29	26	61	108	153
Critical Water Years (15%)	201	167	195	185	90	46	35	36	62	94	124	173

Table 6B2-1-2b. Contra Costa Pumping Plant, Alternative 1B 051722, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	203	190	216	223	105	57	45	32	32	93	144	195
20% Exceedance	194	175	194	198	81	48	40	30	29	61	114	178
30% Exceedance	184	163	180	170	65	37	38	28	26	48	99	163
40% Exceedance	173	146	172	124	59	35	33	27	25	37	89	148
50% Exceedance	159	111	162	88	50	30	31	26	24	29	74	131
60% Exceedance	25	52	149	62	39	28	29	26	23	26	42	50
70% Exceedance	22	38	107	49	33	27	28	25	22	24	33	38
80% Exceedance	21	33	67	41	30	26	27	24	22	23	26	29
90% Exceedance	19	26	32	31	28	24	25	22	21	21	22	20
Full Simulation Period Average[a]	110	106	140	113	57	36	33	28	29	46	73	106
Wet Water Years (32%)	21	34	103	54	46	36	31	24	23	23	28	30
Above Normal Years (15%)	23	49	141	106	52	37	34	27	23	25	35	40
Below Normal Years (17%)	189	159	144	135	48	32	37	28	23	39	91	183
Dry Water Years (22%)	178	169	155	139	62	33	34	28	26	66	114	153
Critical Water Years (15%)	198	164	195	184	91	46	36	36	61	95	126	176

Table 6B2-1-2c. Contra Costa Pumping Plant, Alternative 1B 051722 minus No Action Alternative 051422, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-6	-2	-3	0	0	0	0	0	-2	-2	2	-1
20% Exceedance	-7	6	0	3	0	1	0	0	0	1	1	-2
30% Exceedance	-1	8	0	-4	-2	0	2	0	0	4	4	-2
40% Exceedance	-9	8	1	0	0	0	0	0	0	1	3	1
50% Exceedance	-3	8	9	-2	-1	0	0	0	0	0	6	0
60% Exceedance	0	-1	11	1	0	0	0	0	0	0	0	-4
70% Exceedance	-1	-1	14	1	0	0	0	0	0	0	-1	-2
80% Exceedance	-1	-2	14	3	0	0	0	0	0	0	0	-2
90% Exceedance	0	1	0	1	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	-3	2	3	0	0	0	0	0	0	1	1	-1
Wet Water Years (32%)	0	0	0	2	0	1	0	0	0	0	0	-2
Above Normal Years (15%)	-1	-3	0	2	0	0	0	1	0	0	-1	-3
Below Normal Years (17%)	-7	7	11	1	0	0	0	0	0	0	-1	-5
Dry Water Years (22%)	-4	8	5	-4	0	0	0	0	0	4	6	0
Critical Water Years (15%)	-3	-3	0	-1	1	0	0	0	-1	0	2	4

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 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 6B2-1-3a. Contra Costa Pumping Plant, No Action Alternative 051422, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	209	192	219	223	104	56	45	32	33	95	142	195
20% Exceedance	201	169	194	195	81	47	40	29	28	60	113	181
30% Exceedance	185	155	180	174	66	37	37	28	26	44	95	165
40% Exceedance	181	138	171	124	59	35	33	27	24	36	86	148
50% Exceedance	162	103	153	90	51	30	30	26	24	29	68	130
60% Exceedance	25	53	138	61	39	28	29	26	23	25	42	54
70% Exceedance	23	39	93	48	32	27	28	25	22	24	33	40
80% Exceedance	21	35	52	38	30	26	27	24	22	23	27	31
90% Exceedance	19	26	32	30	27	24	25	22	21	21	22	20
Full Simulation Period Average[a]	113	104	137	113	57	36	33	28	29	45	72	107
Wet Water Years (32%)	21	34	103	53	46	36	30	24	23	23	28	32
Above Normal Years (15%)	23	52	141	105	52	37	34	26	23	25	35	43
Below Normal Years (17%)	196	152	133	134	47	32	37	28	23	39	93	188
Dry Water Years (22%)	182	162	150	143	62	32	33	29	26	61	108	153
Critical Water Years (15%)	201	167	195	185	90	46	35	36	62	94	124	173

Table 6B2-1-3b. Contra Costa Pumping Plant, Alternative 2 051722, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	201	190	217	222	104	56	45	33	32	92	145	195
20% Exceedance	192	168	192	197	81	48	40	30	28	61	114	173
30% Exceedance	181	155	180	172	67	37	38	28	26	48	101	166
40% Exceedance	171	141	171	124	59	35	33	27	25	37	89	147
50% Exceedance	153	106	156	82	50	30	31	26	24	29	74	134
60% Exceedance	24	53	141	60	39	28	29	26	23	25	41	50
70% Exceedance	22	36	95	49	33	27	28	25	22	24	32	37
80% Exceedance	21	34	67	40	30	26	27	24	22	23	26	29
90% Exceedance	19	25	32	31	28	24	25	22	21	21	22	20
Full Simulation Period Average[a]	109	104	139	113	57	36	33	28	29	46	73	105
Wet Water Years (32%)	21	34	102	54	46	37	31	24	23	23	28	30
Above Normal Years (15%)	23	49	141	106	52	37	34	27	23	25	35	40
Below Normal Years (17%)	186	157	142	128	46	32	37	28	23	39	92	182
Dry Water Years (22%)	176	162	150	144	62	32	34	29	26	65	114	154
Critical Water Years (15%)	193	162	195	183	90	46	36	36	60	95	125	170

Table 6B2-1-3c. Contra Costa Pumping Plant, Alternative 2 051722 minus No Action Alternative 051422, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-8	-2	-2	-1	0	0	0	1	-2	-3	3	-1
20% Exceedance	-8	-2	-2	2	0	1	0	0	0	2	1	-7
30% Exceedance	-4	0	0	-3	0	0	2	0	0	4	6	1
40% Exceedance	-11	3	1	0	0	0	0	0	0	1	3	-1
50% Exceedance	-9	3	3	-7	-1	0	1	0	0	0	6	3
60% Exceedance	-1	0	4	-2	0	0	0	0	0	0	0	-4
70% Exceedance	-1	-3	2	1	0	0	0	0	0	0	-1	-2
80% Exceedance	-1	-2	15	2	0	0	0	0	0	0	0	-2
90% Exceedance	0	0	0	1	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	-4	0	2	-1	0	0	0	0	0	1	1	-2
Wet Water Years (32%)	0	0	0	1	0	1	0	0	0	0	0	-2
Above Normal Years (15%)	-1	-3	0	2	0	0	0	1	0	0	-1	-3
Below Normal Years (17%)	-9	5	10	-6	-1	0	0	0	0	0	-1	-7
Dry Water Years (22%)	-6	0	0	1	1	0	0	0	0	4	6	0
Critical Water Years (15%)	-8	-5	0	-2	0	1	0	0	-1	0	0	-2

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 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 6B2-1-4a. Contra Costa Pumping Plant, No Action Alternative 051422, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	209	192	219	223	104	56	45	32	33	95	142	195
20% Exceedance	201	169	194	195	81	47	40	29	28	60	113	181
30% Exceedance	185	155	180	174	66	37	37	28	26	44	95	165
40% Exceedance	181	138	171	124	59	35	33	27	24	36	86	148
50% Exceedance	162	103	153	90	51	30	30	26	24	29	68	130
60% Exceedance	25	53	138	61	39	28	29	26	23	25	42	54
70% Exceedance	23	39	93	48	32	27	28	25	22	24	33	40
80% Exceedance	21	35	52	38	30	26	27	24	22	23	27	31
90% Exceedance	19	26	32	30	27	24	25	22	21	21	22	20
Full Simulation Period Average[a]	113	104	137	113	57	36	33	28	29	45	72	107
Wet Water Years (32%)	21	34	103	53	46	36	30	24	23	23	28	32
Above Normal Years (15%)	23	52	141	105	52	37	34	26	23	25	35	43
Below Normal Years (17%)	196	152	133	134	47	32	37	28	23	39	93	188
Dry Water Years (22%)	182	162	150	143	62	32	33	29	26	61	108	153
Critical Water Years (15%)	201	167	195	185	90	46	35	36	62	94	124	173

Table 6B2-1-4b. Contra Costa Pumping Plant, Alternative 3 051722, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	204	190	214	232	107	57	45	32	32	94	145	193
20% Exceedance	193	165	194	200	80	48	40	29	29	60	111	178
30% Exceedance	178	155	183	175	66	37	38	28	26	48	98	163
40% Exceedance	171	138	172	125	60	35	33	27	25	37	88	148
50% Exceedance	145	110	163	92	52	30	31	26	24	29	76	131
60% Exceedance	25	51	136	61	39	28	29	26	23	26	41	50
70% Exceedance	22	37	97	47	33	27	28	25	22	24	32	36
80% Exceedance	21	34	56	38	29	26	27	24	22	23	26	29
90% Exceedance	19	26	30	31	28	24	25	23	21	21	22	20
Full Simulation Period Average[a]	109	103	138	115	57	36	33	28	29	46	73	106
Wet Water Years (32%)	21	35	104	54	46	36	31	24	23	23	28	30
Above Normal Years (15%)	24	52	136	108	53	37	33	26	23	25	34	40
Below Normal Years (17%)	179	144	130	130	47	32	37	28	23	39	91	183
Dry Water Years (22%)	177	163	157	146	63	33	33	28	26	66	115	154
Critical Water Years (15%)	199	165	195	189	91	46	35	36	61	94	125	174

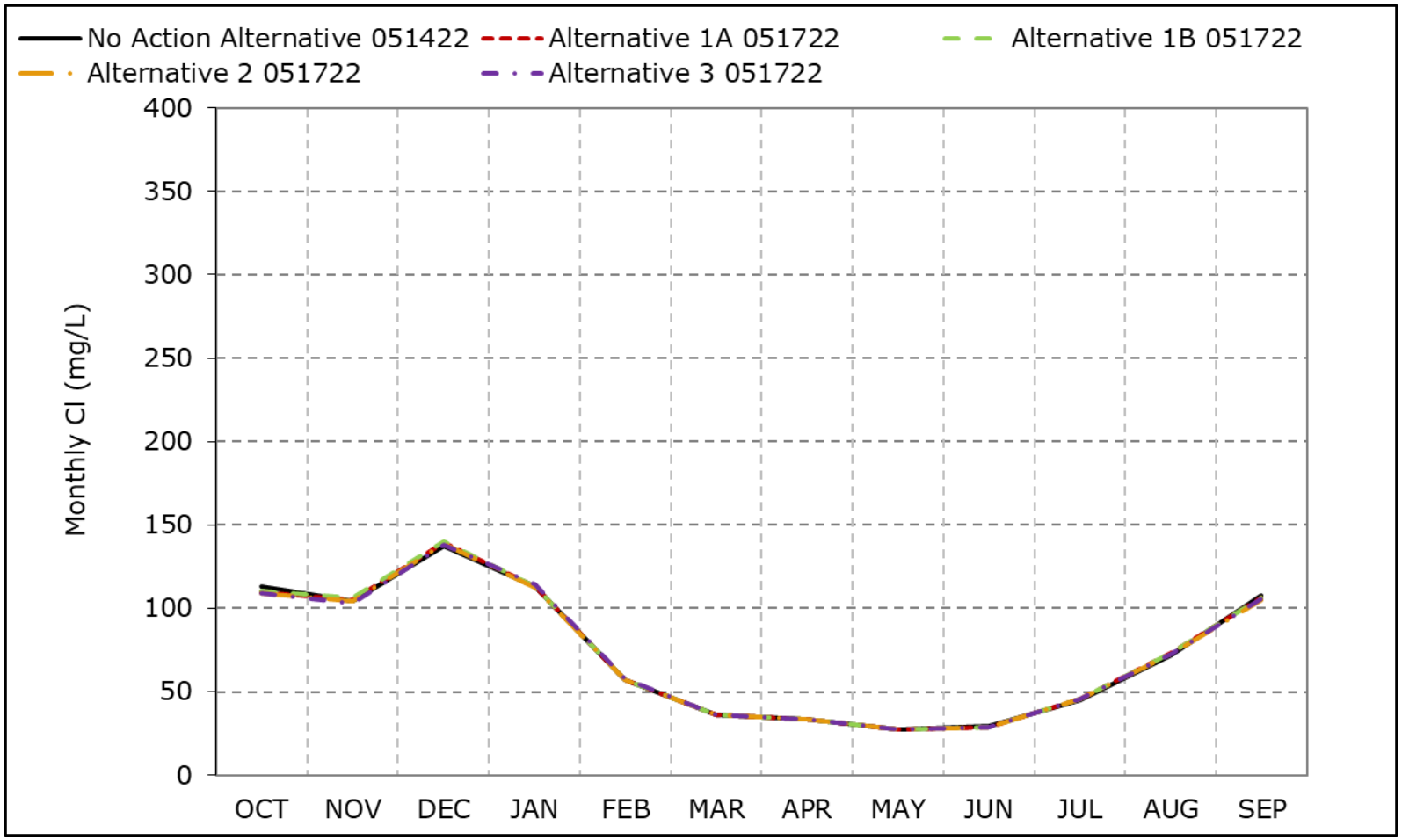
Table 6B2-1-4c. Contra Costa Pumping Plant, Alternative 3 051722 minus No Action Alternative 051422, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-6	-2	-5	9	3	0	0	0	-1	-1	4	-2
20% Exceedance	-8	-4	-1	4	-1	1	0	0	0	1	-2	-3
30% Exceedance	-7	0	3	1	-1	0	1	0	0	4	3	-2
40% Exceedance	-10	1	1	0	1	0	0	0	0	1	2	1
50% Exceedance	-17	7	10	2	0	0	1	0	0	0	8	1
60% Exceedance	0	-2	-2	0	0	0	0	0	0	0	0	-4
70% Exceedance	-1	-2	4	-2	0	0	0	0	0	0	-1	-4
80% Exceedance	-1	-2	4	0	0	0	0	0	0	0	0	-2
90% Exceedance	0	1	-2	1	0	0	0	1	0	0	0	0
Full Simulation Period Average[a]	-4	-1	1	1	0	0	0	0	0	1	1	-2
Wet Water Years (32%)	0	1	1	1	0	1	1	0	0	0	0	-2
Above Normal Years (15%)	1	0	-5	4	0	0	-1	0	0	0	-1	-3
Below Normal Years (17%)	-16	-8	-3	-4	0	0	0	0	0	0	-2	-6
Dry Water Years (22%)	-5	1	7	3	2	0	0	-1	0	4	6	0
Critical Water Years (15%)	-3	-2	1	4	1	0	0	0	-1	0	1	1

[a] Based on the 82-year simulation period.

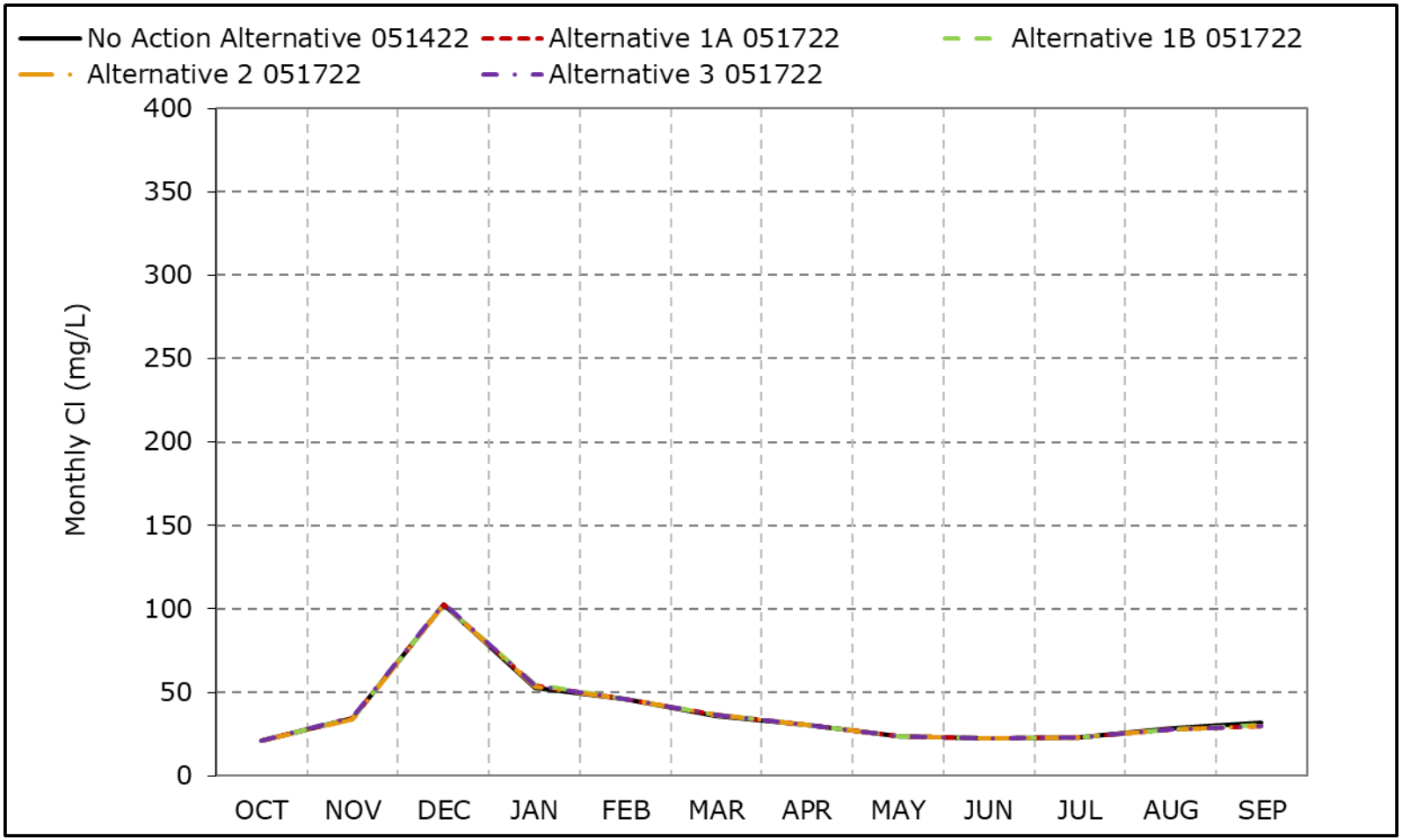
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with calendar year - year type sorting.

Figure 6B2-1-1. Contra Costa Pumping Plant, Long-Term Average Cl



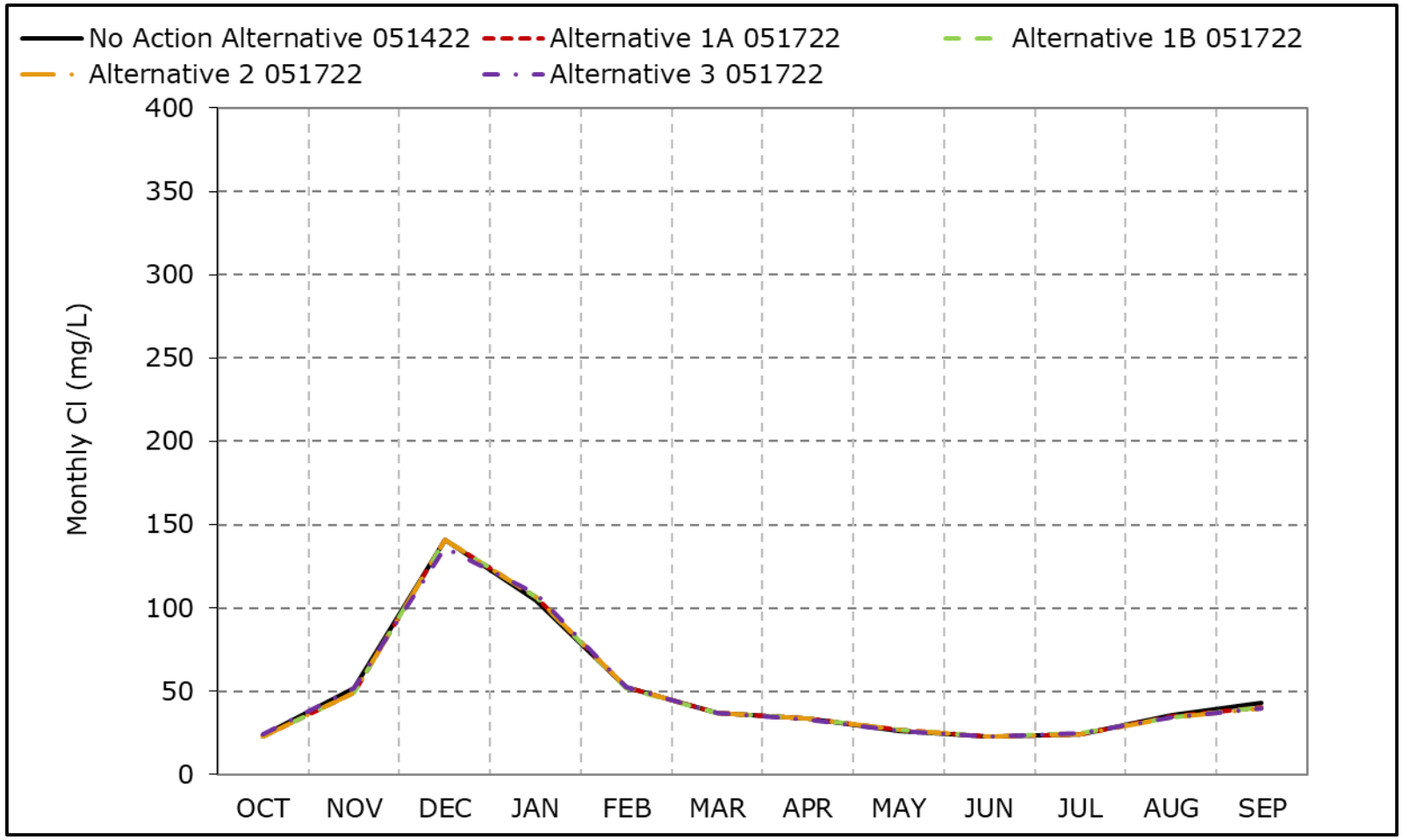
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-1-2. Contra Costa Pumping Plant, Wet Year Average Cl



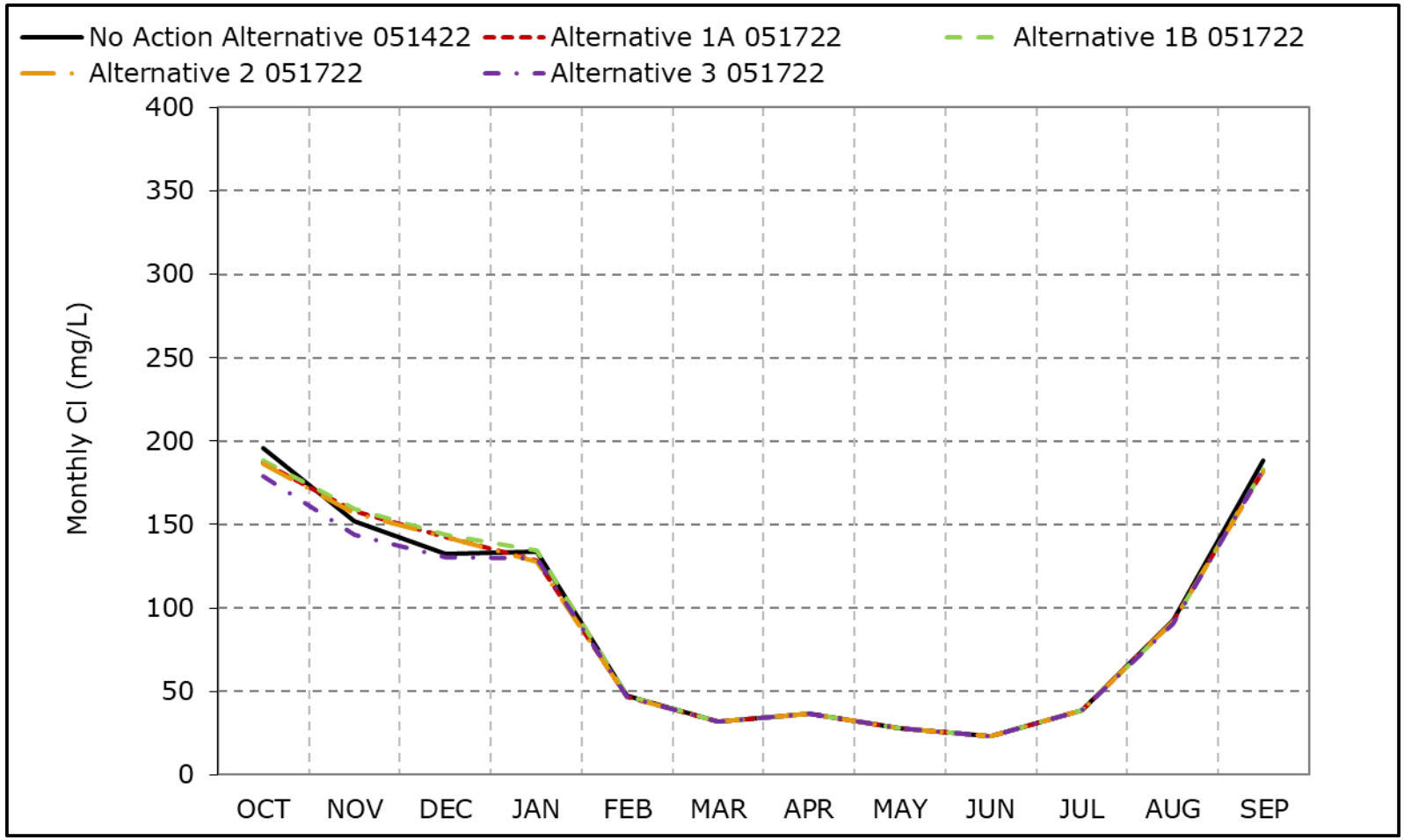
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-1-3. Contra Costa Pumping Plant, Above Normal Year Average Cl



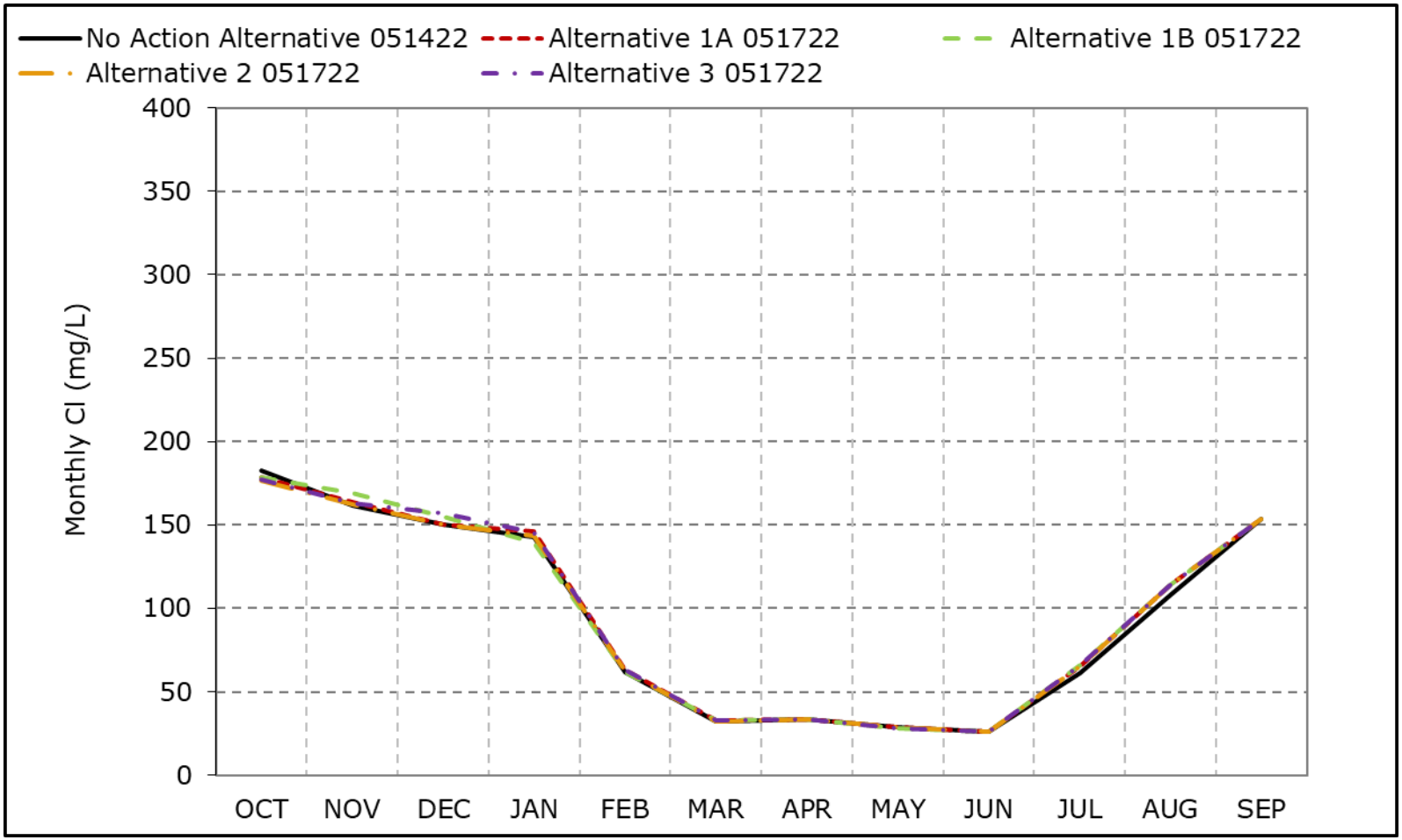
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-1-4. Contra Costa Pumping Plant, Below Normal Year Average Cl



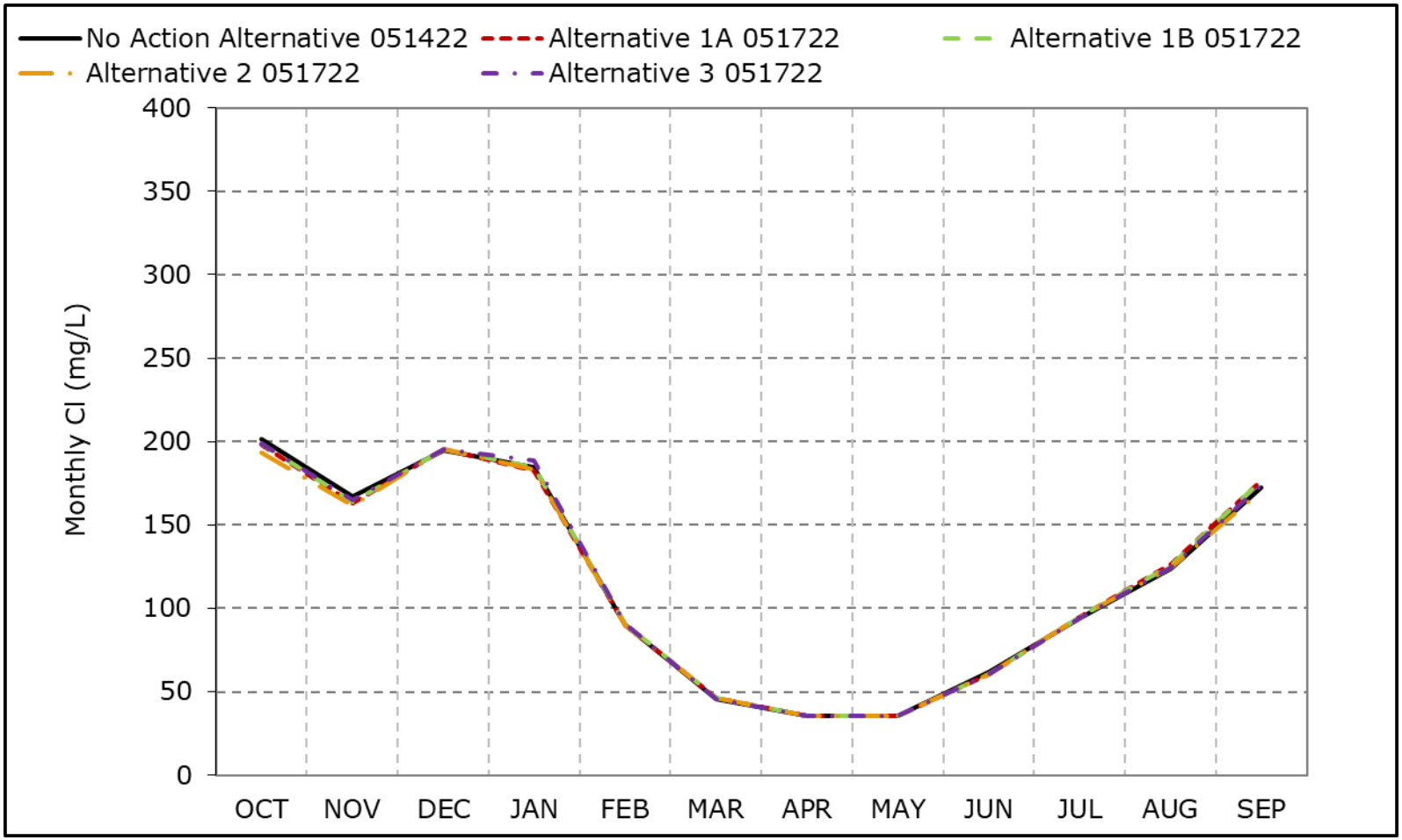
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-1-5. Contra Costa Pumping Plant, Dry Year Average Cl



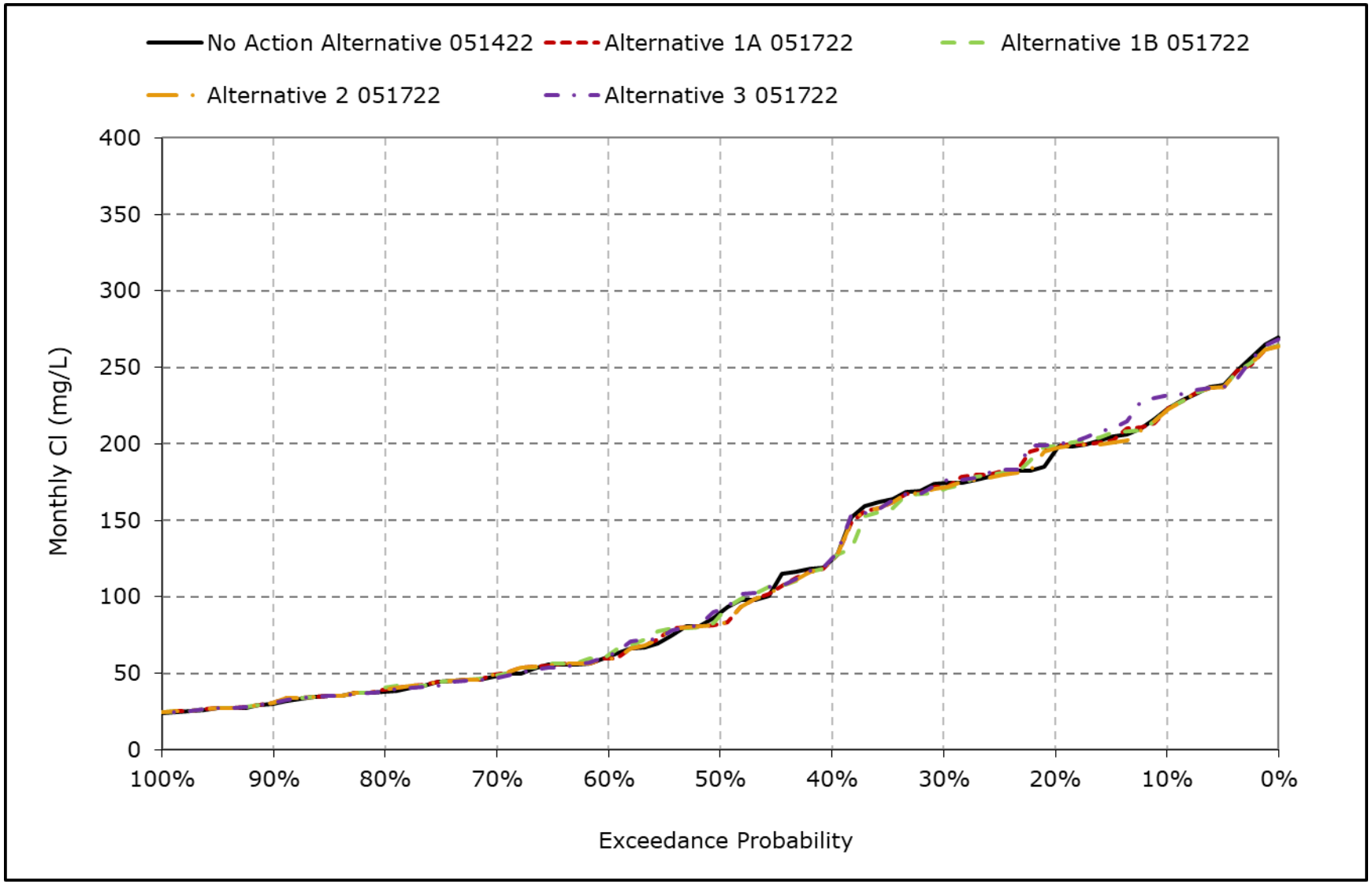
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-1-6. Contra Costa Pumping Plant, Critical Year Average Cl



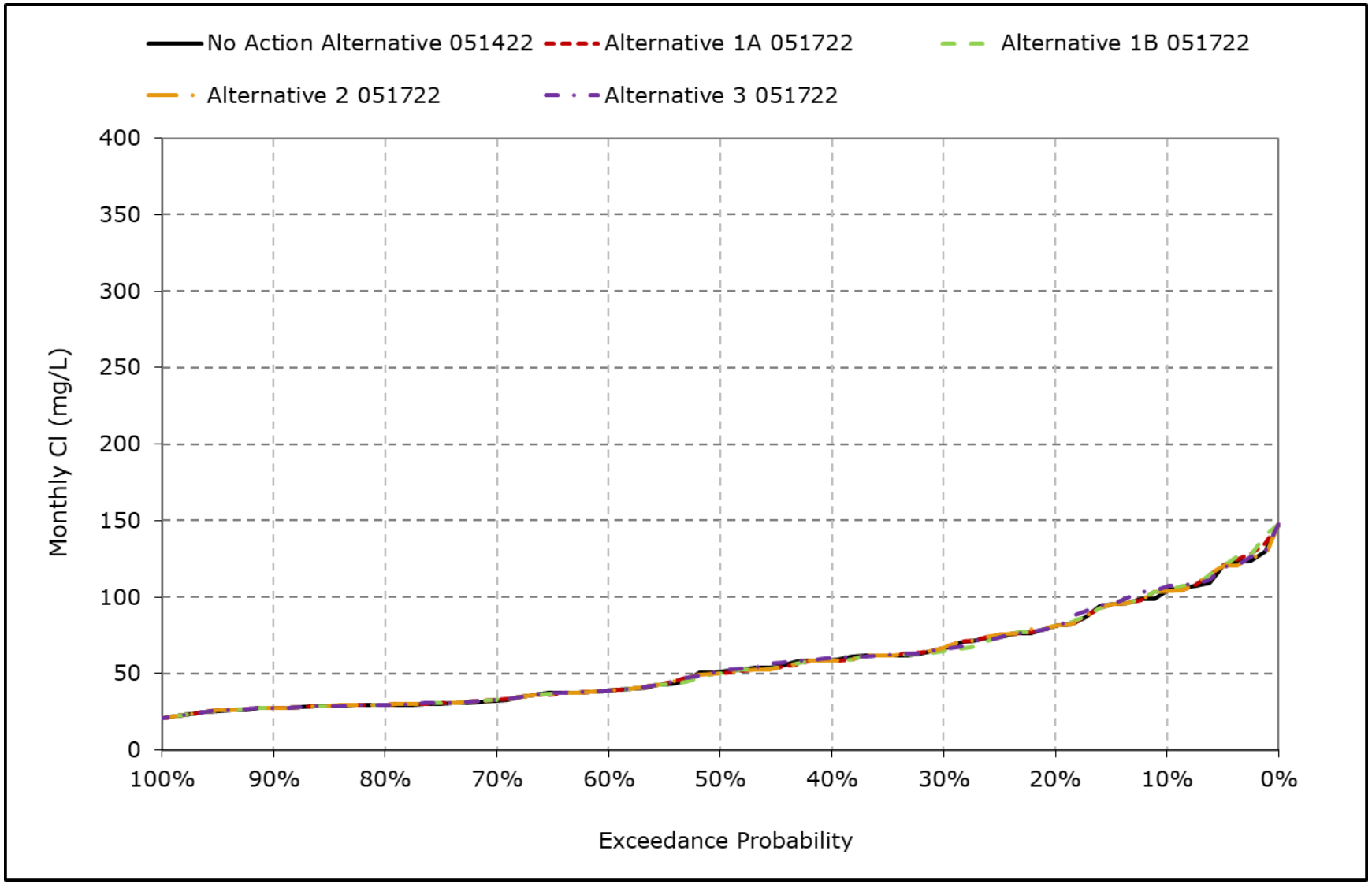
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-1-7. Contra Costa Pumping Plant Chloride, January Cl



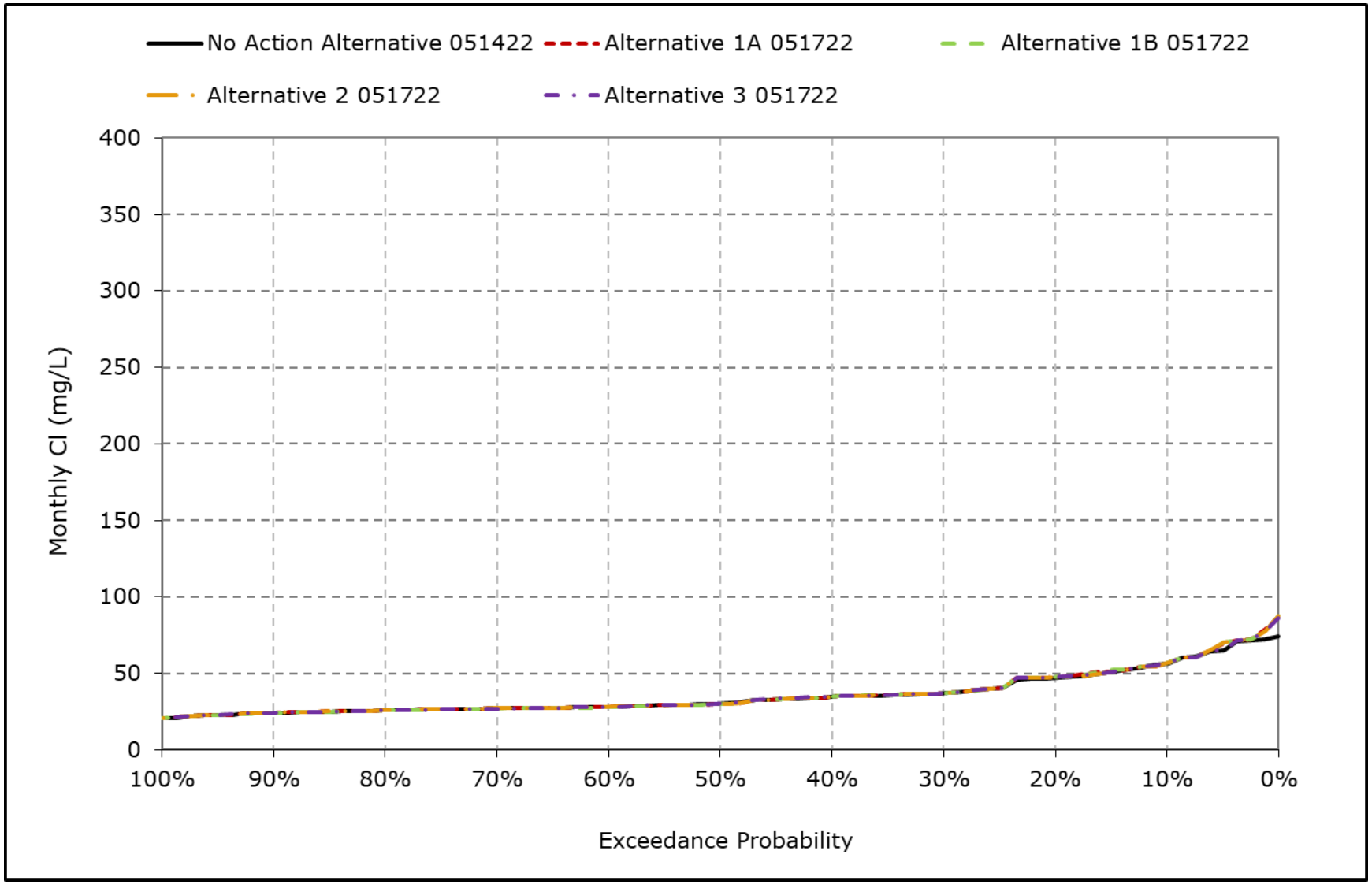
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-1-8. Contra Costa Pumping Plant Chloride, February Cl



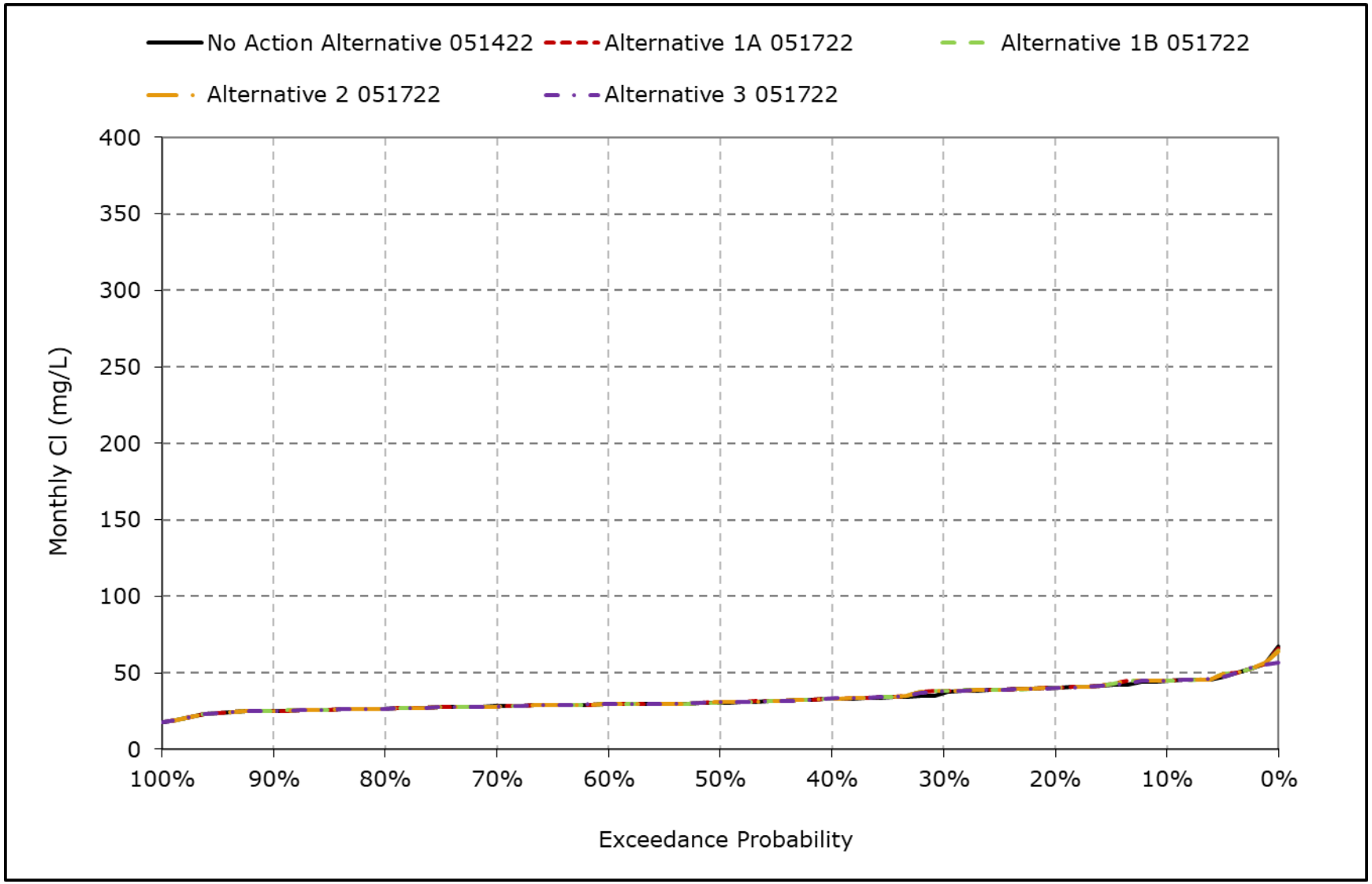
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-1-9. Contra Costa Pumping Plant Chloride, March Cl



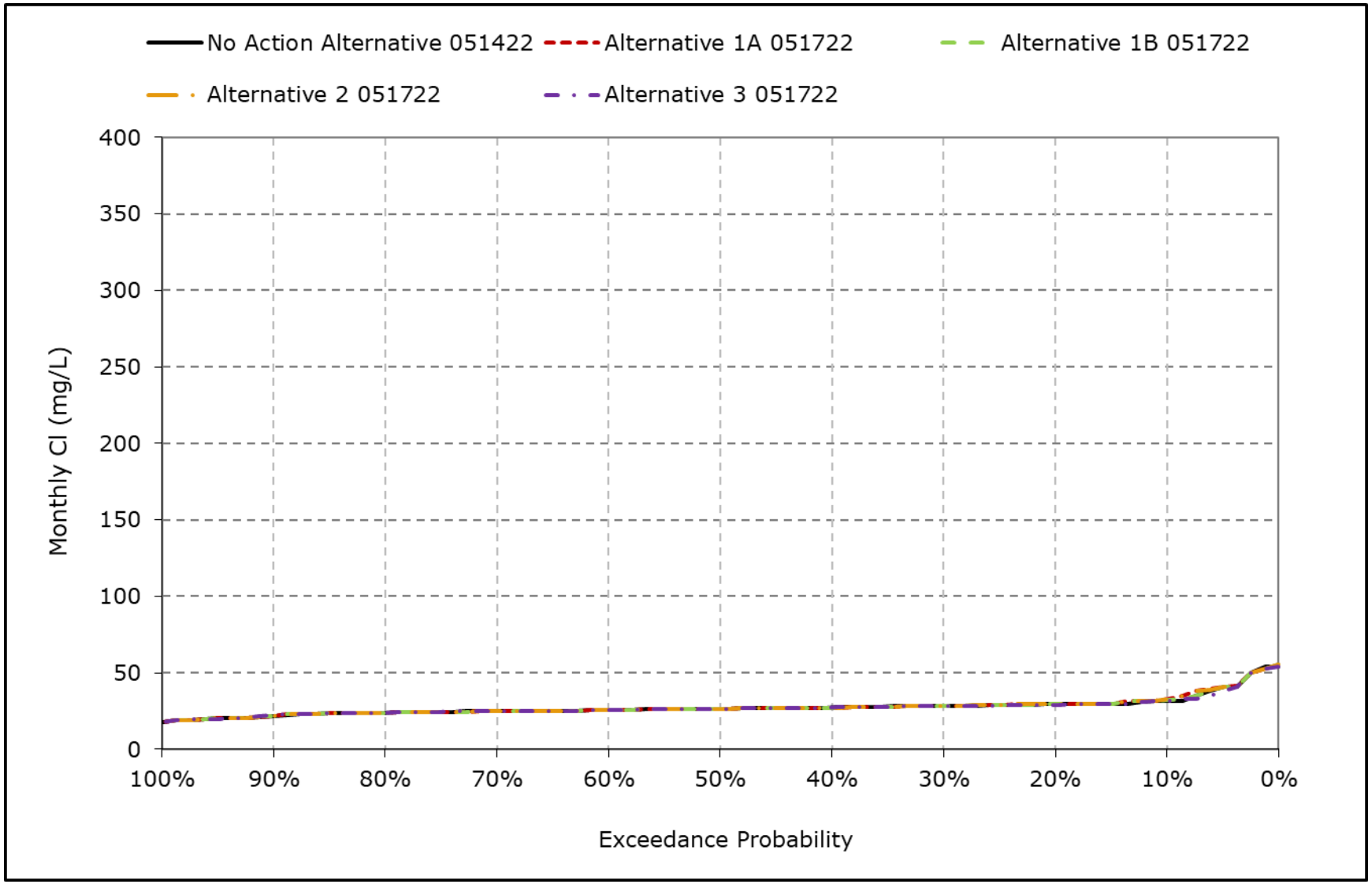
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-1-10. Contra Costa Pumping Plant Chloride, April Cl



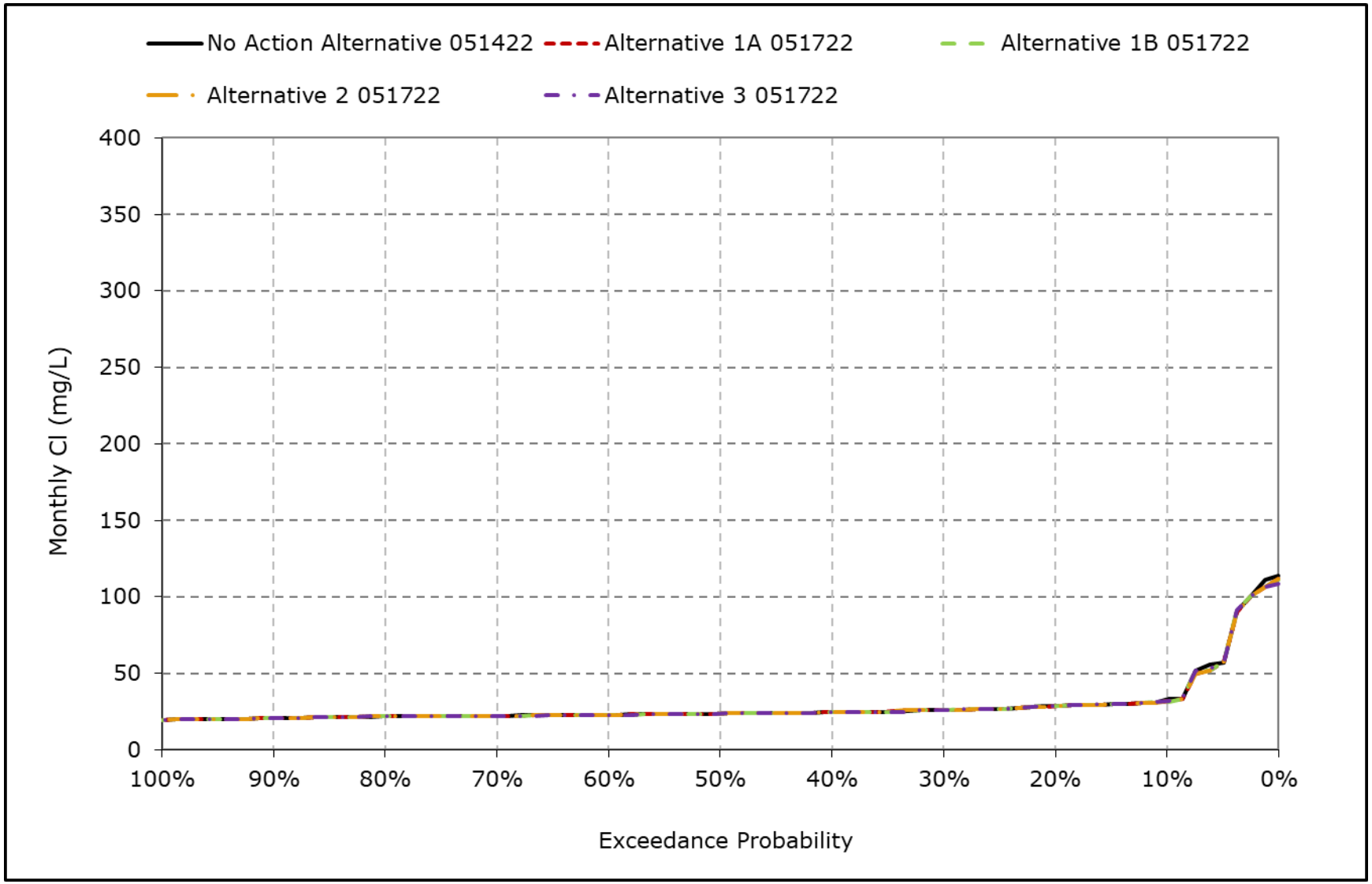
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-1-11. Contra Costa Pumping Plant Chloride, May Cl



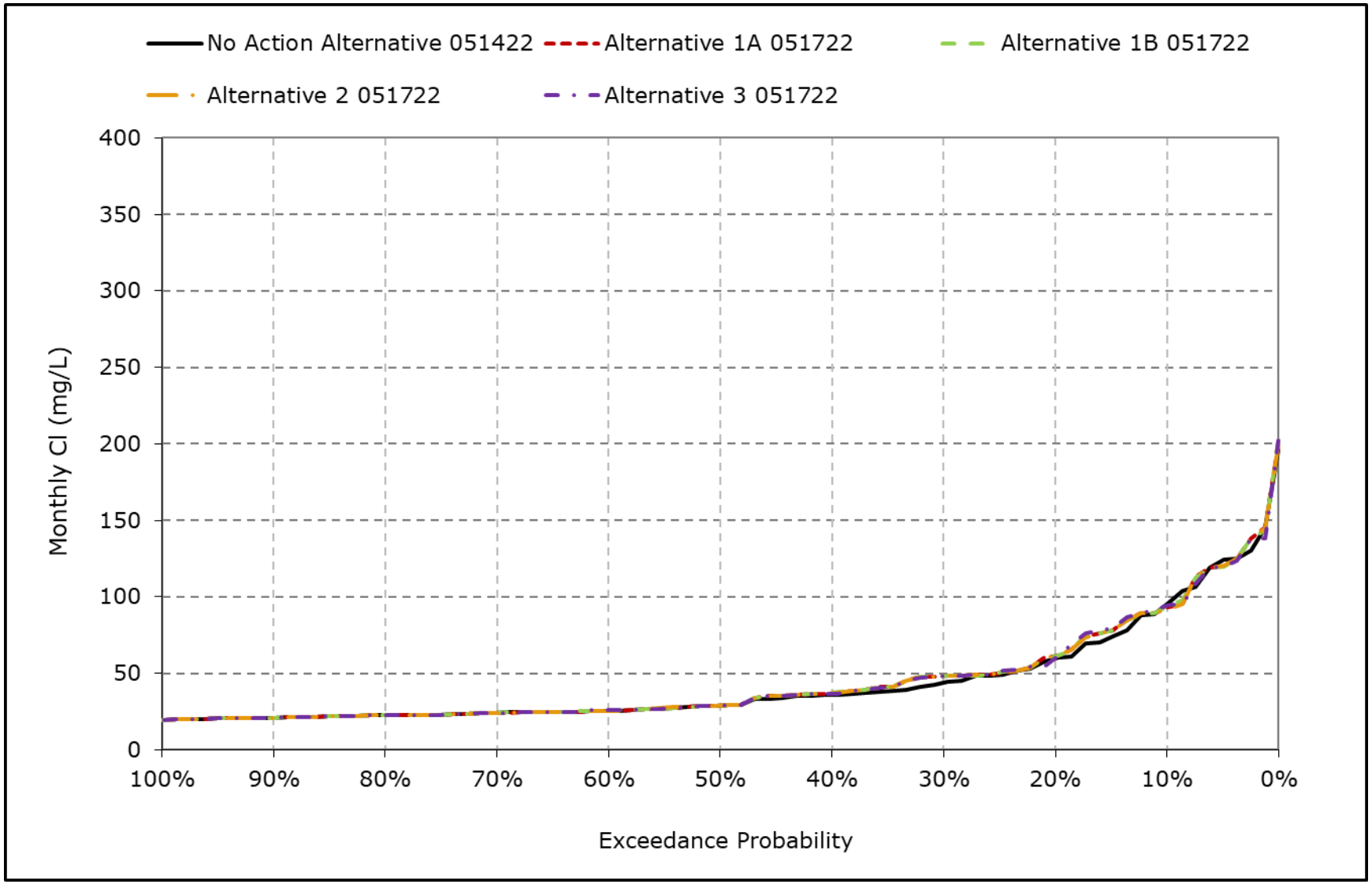
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-1-12. Contra Costa Pumping Plant Chloride, June Cl



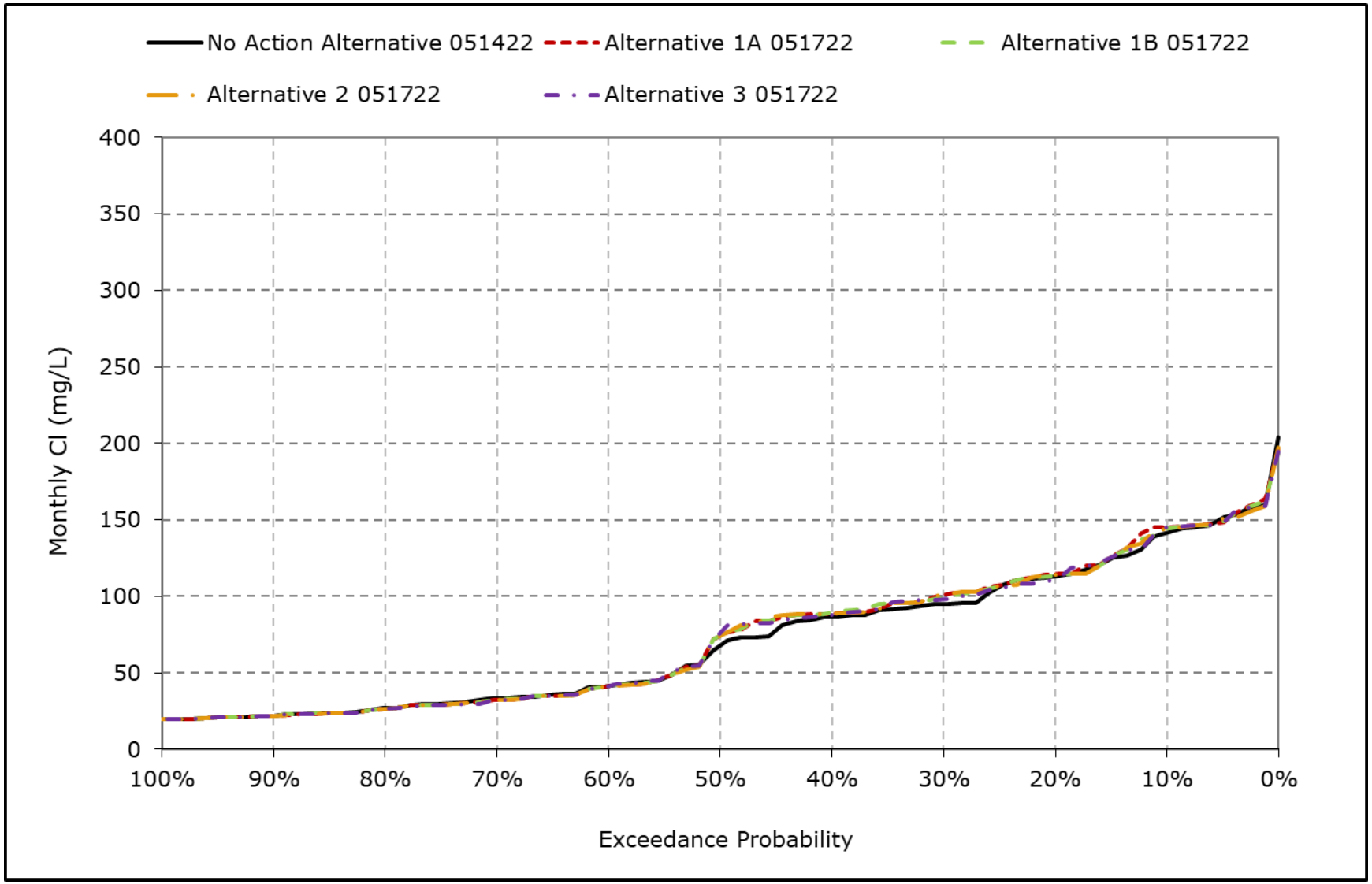
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-1-13. Contra Costa Pumping Plant Chloride, July Cl



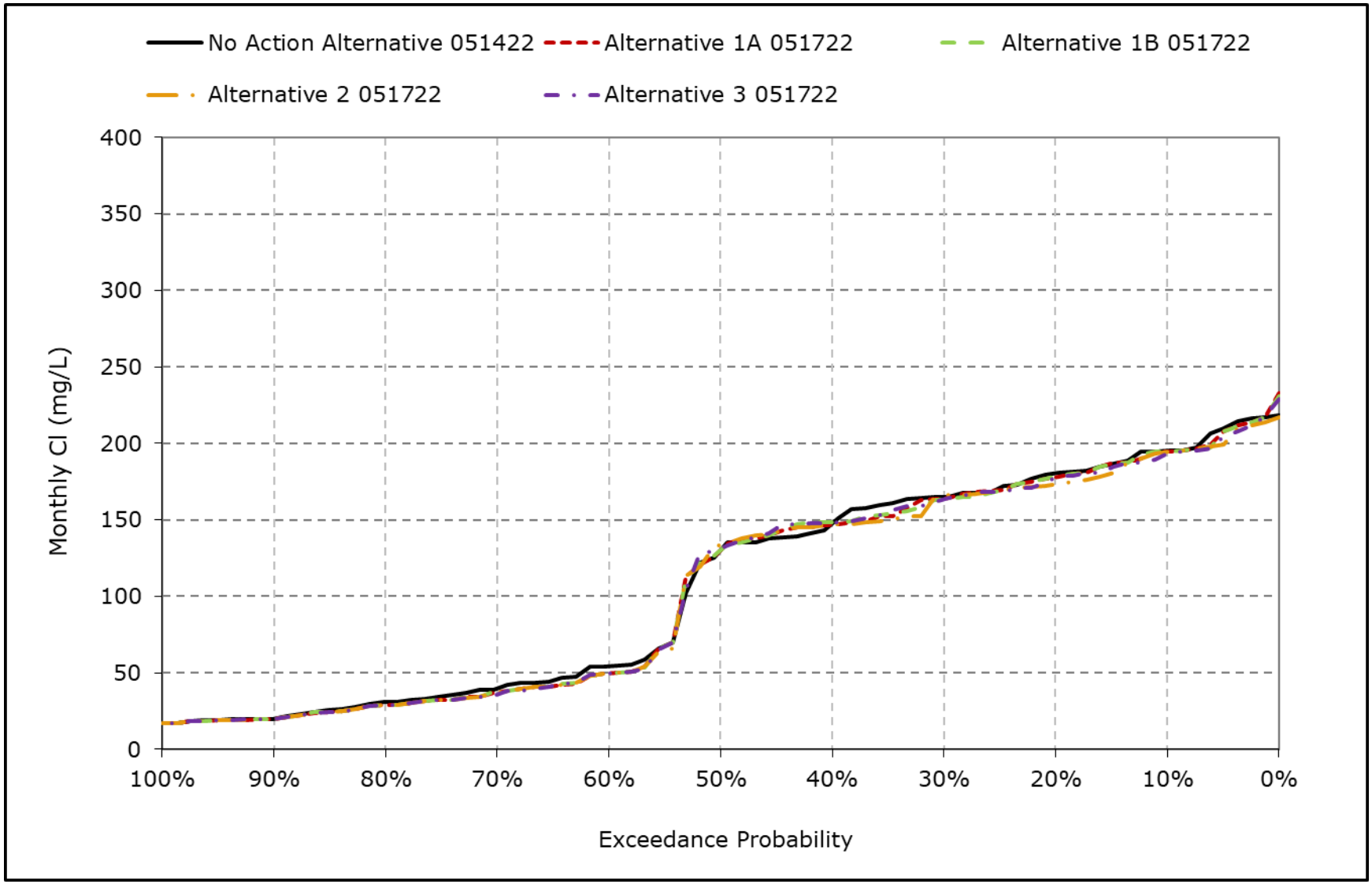
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-1-14. Contra Costa Pumping Plant Chloride, August Cl



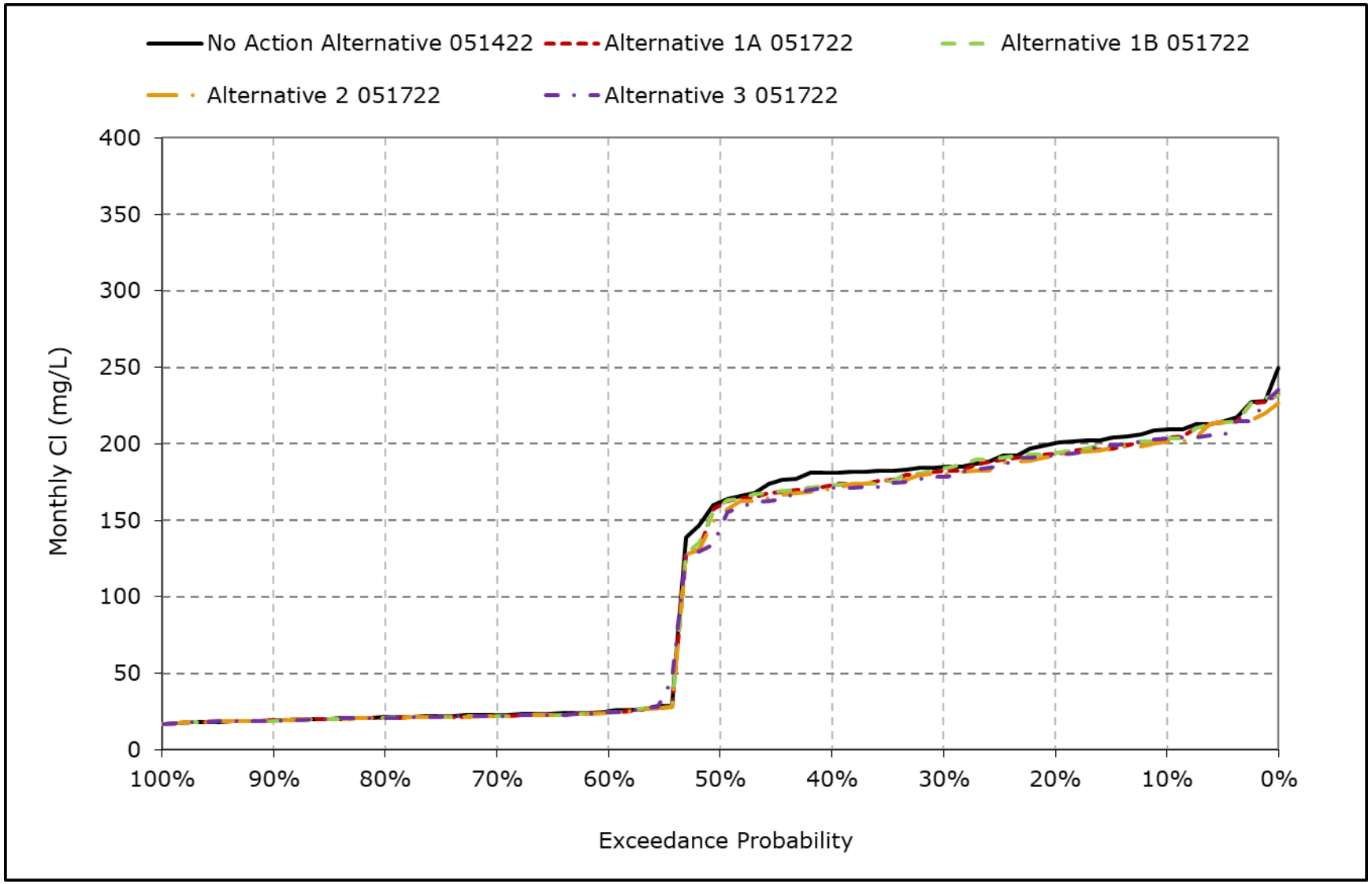
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-1-15. Contra Costa Pumping Plant Chloride, September Cl



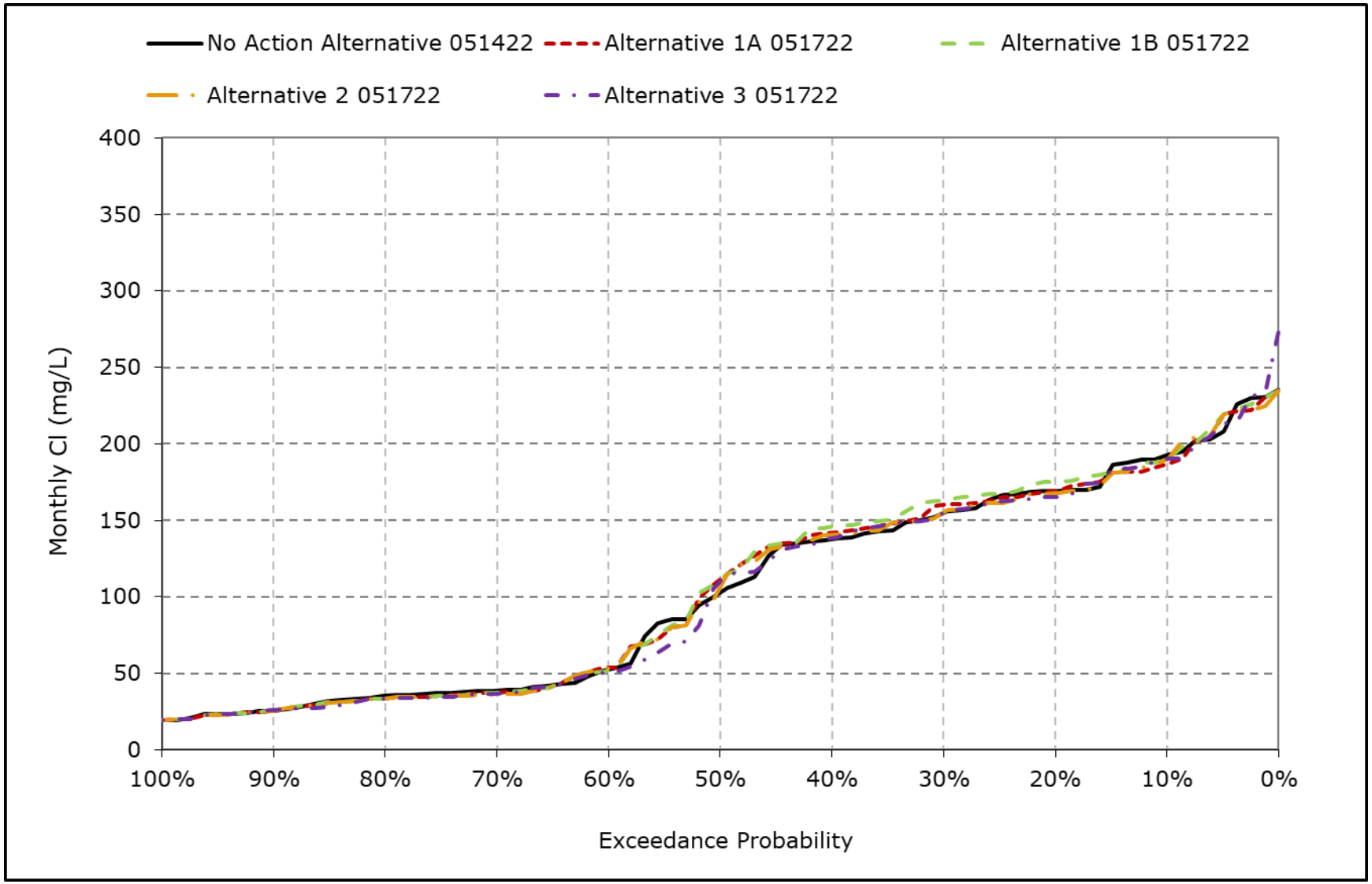
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-1-16. Contra Costa Pumping Plant Chloride, October Cl



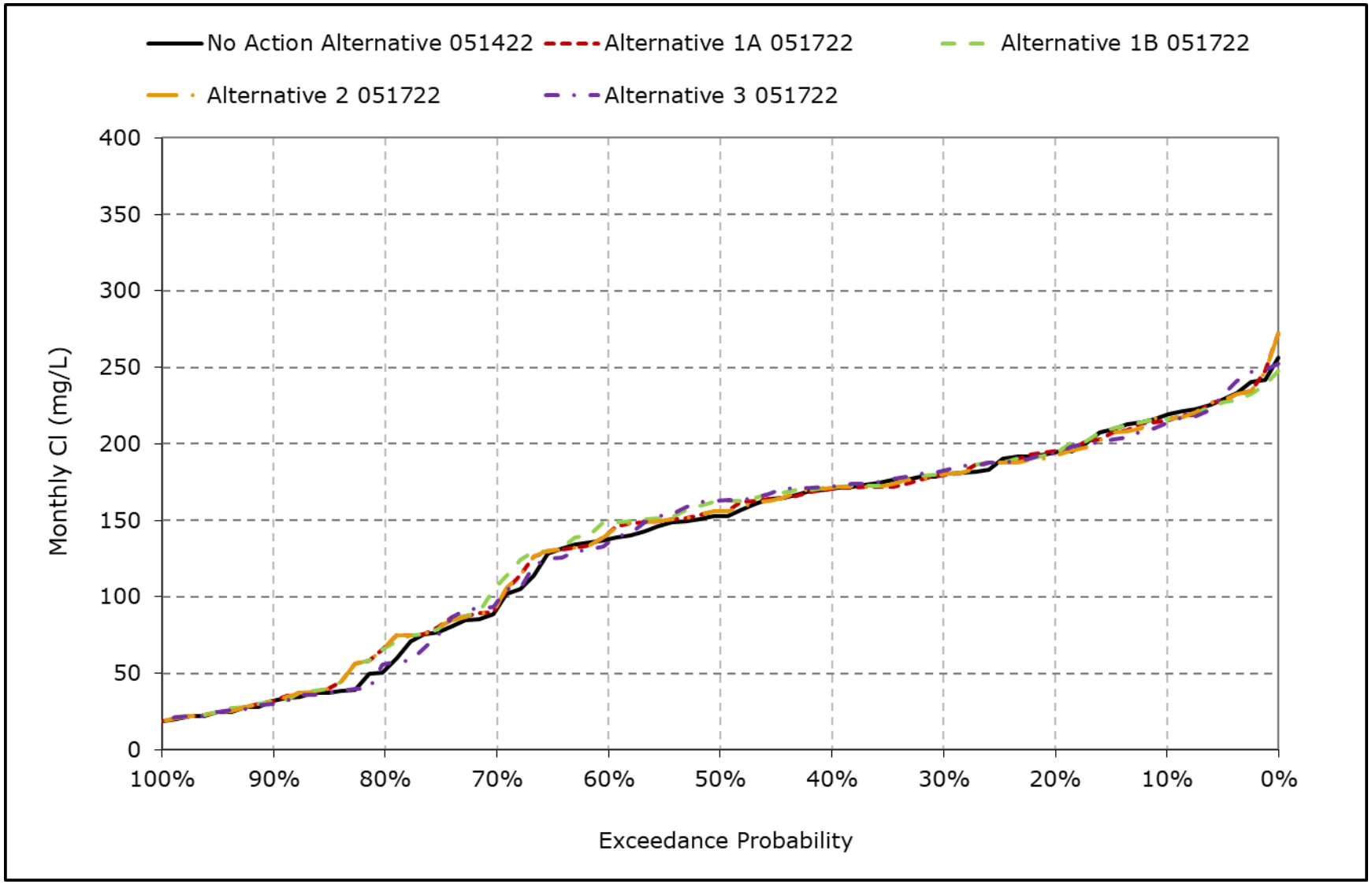
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-1-17. Contra Costa Pumping Plant Chloride, November Cl



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-1-18. Contra Costa Pumping Plant Chloride, December Cl



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Table 6B2-2-1a. San Joaquin River at Antioch, No Action Alternative 051422, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,979	1,873	1,746	993	307	279	294	482	608	1,013	1,509	1,920
20% Exceedance	1,884	1,787	1,410	820	190	100	97	342	544	889	1,364	1,822
30% Exceedance	1,828	1,676	1,203	615	105	31	41	215	461	814	1,299	1,767
40% Exceedance	1,743	1,463	1,002	303	60	27	28	72	312	588	1,131	1,714
50% Exceedance	1,467	891	809	199	31	24	24	36	243	470	1,007	1,505
60% Exceedance	363	757	617	78	27	22	21	24	138	322	692	453
70% Exceedance	330	651	249	31	23	21	20	20	96	283	635	432
80% Exceedance	280	576	133	23	22	20	19	18	27	225	594	406
90% Exceedance	226	277	38	21	20	18	19	17	18	133	467	263
Full Simulation Period Average[a]	1,098	1,104	829	387	128	79	86	177	338	566	953	1,121
Wet Water Years (32%)	253	505	586	59	25	21	20	28	68	185	504	329
Above Normal Years (15%)	365	746	695	213	40	22	21	27	159	287	626	420
Below Normal Years (17%)	1,684	1,229	784	389	62	39	39	93	267	518	1,061	1,645
Dry Water Years (22%)	1,864	1,593	952	605	195	94	98	229	477	857	1,316	1,789
Critical Water Years (15%)	1,831	1,880	1,355	944	414	284	328	670	976	1,290	1,586	1,926

Table 6B2-2-1b. San Joaquin River at Antioch, Alternative 1A 051722, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,894	1,784	1,697	1,027	307	282	299	461	610	1,023	1,474	1,818
20% Exceedance	1,800	1,737	1,406	825	190	100	96	333	542	885	1,311	1,730
30% Exceedance	1,763	1,666	1,201	606	106	32	41	218	462	811	1,229	1,694
40% Exceedance	1,696	1,512	1,043	310	55	27	29	72	312	589	1,118	1,664
50% Exceedance	1,515	885	784	201	32	25	24	36	244	470	990	1,432
60% Exceedance	336	746	587	81	27	23	21	24	137	323	678	423
70% Exceedance	306	660	268	33	24	21	20	20	96	284	600	391
80% Exceedance	259	577	139	24	22	20	19	18	27	225	560	366
90% Exceedance	210	290	40	21	20	18	19	17	18	133	440	235
Full Simulation Period Average[a]	1,061	1,086	825	387	130	80	86	176	336	561	921	1,068
Wet Water Years (32%)	239	504	592	61	25	21	20	29	69	186	479	300
Above Normal Years (15%)	339	729	700	218	41	22	21	27	158	285	596	386
Below Normal Years (17%)	1,623	1,238	787	366	60	39	40	93	267	518	1,039	1,588
Dry Water Years (22%)	1,789	1,525	921	614	200	95	99	227	475	845	1,266	1,701
Critical Water Years (15%)	1,815	1,871	1,355	949	421	289	331	664	966	1,277	1,553	1,860

Table 6B2-2-1c. San Joaquin River at Antioch, Alternative 1A 051722 minus No Action Alternative 051422, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-85	-89	-49	34	0	3	5	-20	2	10	-35	-102
20% Exceedance	-85	-50	-4	4	0	0	-1	-9	-2	-4	-53	-92
30% Exceedance	-65	-10	-2	-8	1	0	1	3	1	-4	-70	-72
40% Exceedance	-47	49	41	7	-5	0	0	0	0	0	-13	-50
50% Exceedance	48	-5	-25	2	1	0	0	0	1	0	-17	-73
60% Exceedance	-27	-11	-29	3	0	1	0	0	0	0	-14	-30
70% Exceedance	-24	8	18	2	0	0	0	0	0	1	-35	-41
80% Exceedance	-21	1	6	0	0	0	0	0	0	0	-33	-40
90% Exceedance	-16	12	2	0	0	0	0	0	0	0	-27	-28
Full Simulation Period Average[a]	-38	-18	-4	0	2	1	1	-1	-2	-5	-32	-53
Wet Water Years (32%)	-14	-1	5	2	0	0	0	1	0	0	-25	-29
Above Normal Years (15%)	-26	-17	5	5	1	0	0	0	-1	-2	-30	-34
Below Normal Years (17%)	-61	9	3	-23	-2	0	0	0	0	0	-22	-57
Dry Water Years (22%)	-75	-68	-32	10	5	1	1	-2	-2	-11	-50	-88
Critical Water Years (15%)	-17	-9	0	5	7	5	3	-7	-10	-13	-33	-66

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 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 6B2-2-2a. San Joaquin River at Antioch, No Action Alternative 051422, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,979	1,873	1,746	993	307	279	294	482	608	1,013	1,509	1,920
20% Exceedance	1,884	1,787	1,410	820	190	100	97	342	544	889	1,364	1,822
30% Exceedance	1,828	1,676	1,203	615	105	31	41	215	461	814	1,299	1,767
40% Exceedance	1,743	1,463	1,002	303	60	27	28	72	312	588	1,131	1,714
50% Exceedance	1,467	891	809	199	31	24	24	36	243	470	1,007	1,505
60% Exceedance	363	757	617	78	27	22	21	24	138	322	692	453
70% Exceedance	330	651	249	31	23	21	20	20	96	283	635	432
80% Exceedance	280	576	133	23	22	20	19	18	27	225	594	406
90% Exceedance	226	277	38	21	20	18	19	17	18	133	467	263
Full Simulation Period Average[a]	1,098	1,104	829	387	128	79	86	177	338	566	953	1,121
Wet Water Years (32%)	253	505	586	59	25	21	20	28	68	185	504	329
Above Normal Years (15%)	365	746	695	213	40	22	21	27	159	287	626	420
Below Normal Years (17%)	1,684	1,229	784	389	62	39	39	93	267	518	1,061	1,645
Dry Water Years (22%)	1,864	1,593	952	605	195	94	98	229	477	857	1,316	1,789
Critical Water Years (15%)	1,831	1,880	1,355	944	414	284	328	670	976	1,290	1,586	1,926

Table 6B2-2-2b. San Joaquin River at Antioch, Alternative 1B 051722, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,904	1,830	1,698	1,026	307	282	316	474	610	1,020	1,471	1,817
20% Exceedance	1,797	1,741	1,404	815	190	100	96	334	538	886	1,318	1,730
30% Exceedance	1,760	1,680	1,203	607	102	30	41	222	470	810	1,234	1,705
40% Exceedance	1,696	1,535	1,022	311	59	27	29	74	313	587	1,114	1,660
50% Exceedance	1,542	852	784	202	32	25	24	36	244	470	985	1,438
60% Exceedance	335	746	618	80	27	23	21	24	137	319	680	420
70% Exceedance	303	664	262	33	24	21	20	20	95	282	603	398
80% Exceedance	260	574	146	24	22	20	19	18	27	225	560	370
90% Exceedance	210	289	33	21	20	18	19	17	18	133	440	243
Full Simulation Period Average[a]	1,061	1,093	826	388	130	80	87	176	337	562	922	1,070
Wet Water Years (32%)	239	506	594	61	25	21	20	27	67	186	479	303
Above Normal Years (15%)	334	725	697	217	41	22	21	27	159	286	596	382
Below Normal Years (17%)	1,628	1,237	784	390	62	39	40	93	269	518	1,038	1,590
Dry Water Years (22%)	1,784	1,552	926	597	199	95	99	230	478	846	1,266	1,701
Critical Water Years (15%)	1,822	1,876	1,354	950	421	291	333	666	969	1,276	1,554	1,865

Table 6B2-2-2c. San Joaquin River at Antioch, Alternative 1B 051722 minus No Action Alternative 051422, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-74	-43	-48	33	0	3	21	-7	2	7	-38	-103
20% Exceedance	-88	-46	-6	-6	1	0	-1	-7	-6	-4	-47	-92
30% Exceedance	-68	4	0	-7	-3	-1	1	8	9	-4	-65	-62
40% Exceedance	-46	72	20	8	-1	0	1	2	2	-1	-17	-54
50% Exceedance	75	-39	-25	2	1	0	0	0	1	0	-22	-68
60% Exceedance	-28	-11	1	2	0	1	0	0	0	-3	-12	-33
70% Exceedance	-27	13	13	2	0	0	0	0	-1	-1	-32	-35
80% Exceedance	-20	-1	12	0	0	0	0	0	0	0	-33	-36
90% Exceedance	-16	12	-6	0	0	0	0	0	0	0	-27	-20
Full Simulation Period Average[a]	-38	-11	-3	0	2	1	1	-1	-1	-4	-32	-51
Wet Water Years (32%)	-14	1	8	2	0	0	0	-1	-2	1	-25	-27
Above Normal Years (15%)	-31	-21	2	4	1	0	0	0	0	-1	-30	-37
Below Normal Years (17%)	-57	9	-1	1	0	0	0	0	2	0	-23	-55
Dry Water Years (22%)	-81	-41	-26	-8	4	1	1	0	1	-10	-49	-88
Critical Water Years (15%)	-10	-4	-2	5	7	7	5	-5	-7	-15	-32	-61

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 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 6B2-2-3a. San Joaquin River at Antioch, No Action Alternative 051422, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,979	1,873	1,746	993	307	279	294	482	608	1,013	1,509	1,920
20% Exceedance	1,884	1,787	1,410	820	190	100	97	342	544	889	1,364	1,822
30% Exceedance	1,828	1,676	1,203	615	105	31	41	215	461	814	1,299	1,767
40% Exceedance	1,743	1,463	1,002	303	60	27	28	72	312	588	1,131	1,714
50% Exceedance	1,467	891	809	199	31	24	24	36	243	470	1,007	1,505
60% Exceedance	363	757	617	78	27	22	21	24	138	322	692	453
70% Exceedance	330	651	249	31	23	21	20	20	96	283	635	432
80% Exceedance	280	576	133	23	22	20	19	18	27	225	594	406
90% Exceedance	226	277	38	21	20	18	19	17	18	133	467	263
Full Simulation Period Average[a]	1,098	1,104	829	387	128	79	86	177	338	566	953	1,121
Wet Water Years (32%)	253	505	586	59	25	21	20	28	68	185	504	329
Above Normal Years (15%)	365	746	695	213	40	22	21	27	159	287	626	420
Below Normal Years (17%)	1,684	1,229	784	389	62	39	39	93	267	518	1,061	1,645
Dry Water Years (22%)	1,864	1,593	952	605	195	94	98	229	477	857	1,316	1,789
Critical Water Years (15%)	1,831	1,880	1,355	944	414	284	328	670	976	1,290	1,586	1,926

Table 6B2-2-3b. San Joaquin River at Antioch, Alternative 2 051722, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,885	1,798	1,699	1,028	307	282	299	461	610	1,020	1,465	1,798
20% Exceedance	1,792	1,730	1,405	824	189	100	96	333	542	885	1,319	1,735
30% Exceedance	1,764	1,666	1,202	606	106	32	41	218	462	811	1,229	1,677
40% Exceedance	1,711	1,512	1,038	310	55	27	29	72	312	589	1,126	1,647
50% Exceedance	1,510	865	783	201	32	25	24	36	244	471	990	1,432
60% Exceedance	331	746	587	81	27	23	21	24	137	323	678	414
70% Exceedance	303	656	268	33	24	21	20	20	96	284	600	392
80% Exceedance	258	576	140	24	22	20	19	18	27	225	560	366
90% Exceedance	210	287	40	21	20	18	19	17	18	133	440	235
Full Simulation Period Average[a]	1,057	1,085	823	386	129	80	86	176	336	561	918	1,065
Wet Water Years (32%)	237	503	591	61	25	21	20	29	69	186	479	300
Above Normal Years (15%)	335	725	699	218	41	22	21	27	158	285	593	383
Below Normal Years (17%)	1,621	1,235	786	367	60	39	40	93	267	518	1,035	1,586
Dry Water Years (22%)	1,784	1,525	922	609	199	95	99	227	475	845	1,267	1,702
Critical Water Years (15%)	1,806	1,874	1,347	949	420	289	332	664	966	1,276	1,536	1,841

Table 6B2-2-3c. San Joaquin River at Antioch, Alternative 2 051722 minus No Action Alternative 051422, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-93	-74	-47	34	0	3	5	-20	2	8	-43	-122
20% Exceedance	-92	-57	-5	4	0	0	-1	-9	-2	-4	-45	-87
30% Exceedance	-64	-10	-1	-9	1	0	1	3	1	-4	-70	-89
40% Exceedance	-32	49	36	7	-5	1	0	0	0	0	-5	-67
50% Exceedance	43	-26	-26	2	1	0	0	0	1	1	-17	-73
60% Exceedance	-32	-11	-29	3	0	1	0	0	0	0	-14	-39
70% Exceedance	-28	5	18	2	0	0	0	0	0	1	-35	-41
80% Exceedance	-21	1	6	0	0	0	0	0	0	0	-33	-40
90% Exceedance	-16	10	2	0	0	0	0	0	0	0	-27	-28
Full Simulation Period Average[a]	-42	-19	-5	-1	2	1	1	-1	-2	-5	-35	-56
Wet Water Years (32%)	-16	-3	5	2	0	0	0	1	0	0	-25	-29
Above Normal Years (15%)	-30	-21	4	5	1	0	0	0	-1	-2	-33	-37
Below Normal Years (17%)	-63	6	2	-23	-2	0	0	0	0	0	-26	-59
Dry Water Years (22%)	-80	-68	-30	4	4	1	1	-2	-2	-11	-49	-87
Critical Water Years (15%)	-26	-6	-9	5	6	5	3	-6	-10	-14	-50	-84

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 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 6B2-2-4a. San Joaquin River at Antioch, No Action Alternative 051422, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,979	1,873	1,746	993	307	279	294	482	608	1,013	1,509	1,920
20% Exceedance	1,884	1,787	1,410	820	190	100	97	342	544	889	1,364	1,822
30% Exceedance	1,828	1,676	1,203	615	105	31	41	215	461	814	1,299	1,767
40% Exceedance	1,743	1,463	1,002	303	60	27	28	72	312	588	1,131	1,714
50% Exceedance	1,467	891	809	199	31	24	24	36	243	470	1,007	1,505
60% Exceedance	363	757	617	78	27	22	21	24	138	322	692	453
70% Exceedance	330	651	249	31	23	21	20	20	96	283	635	432
80% Exceedance	280	576	133	23	22	20	19	18	27	225	594	406
90% Exceedance	226	277	38	21	20	18	19	17	18	133	467	263
Full Simulation Period Average[a]	1,098	1,104	829	387	128	79	86	177	338	566	953	1,121
Wet Water Years (32%)	253	505	586	59	25	21	20	28	68	185	504	329
Above Normal Years (15%)	365	746	695	213	40	22	21	27	159	287	626	420
Below Normal Years (17%)	1,684	1,229	784	389	62	39	39	93	267	518	1,061	1,645
Dry Water Years (22%)	1,864	1,593	952	605	195	94	98	229	477	857	1,316	1,789
Critical Water Years (15%)	1,831	1,880	1,355	944	414	284	328	670	976	1,290	1,586	1,926

Table 6B2-2-4b. San Joaquin River at Antioch, Alternative 3 051722, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,905	1,830	1,707	1,060	307	283	318	481	610	1,017	1,485	1,868
20% Exceedance	1,795	1,759	1,406	832	195	101	96	333	539	887	1,315	1,768
30% Exceedance	1,757	1,676	1,197	669	107	31	41	224	474	812	1,252	1,713
40% Exceedance	1,666	1,418	1,065	310	55	27	29	73	323	584	1,109	1,667
50% Exceedance	1,155	830	808	203	32	25	24	36	235	470	1,001	1,420
60% Exceedance	349	713	560	76	27	23	21	24	139	321	681	420
70% Exceedance	304	644	238	32	24	21	20	20	97	284	603	394
80% Exceedance	254	511	135	24	22	20	19	18	27	225	560	370
90% Exceedance	214	237	29	21	20	18	19	17	18	133	441	242
Full Simulation Period Average[a]	1,042	1,064	821	388	129	80	87	176	338	561	923	1,076
Wet Water Years (32%)	244	509	597	60	25	21	20	27	67	186	479	302
Above Normal Years (15%)	333	695	690	224	41	22	21	26	160	286	590	382
Below Normal Years (17%)	1,477	1,064	764	372	62	40	40	92	271	516	1,037	1,594
Dry Water Years (22%)	1,798	1,573	931	614	200	94	99	230	479	848	1,272	1,711
Critical Water Years (15%)	1,836	1,873	1,342	944	413	289	332	666	969	1,275	1,560	1,893

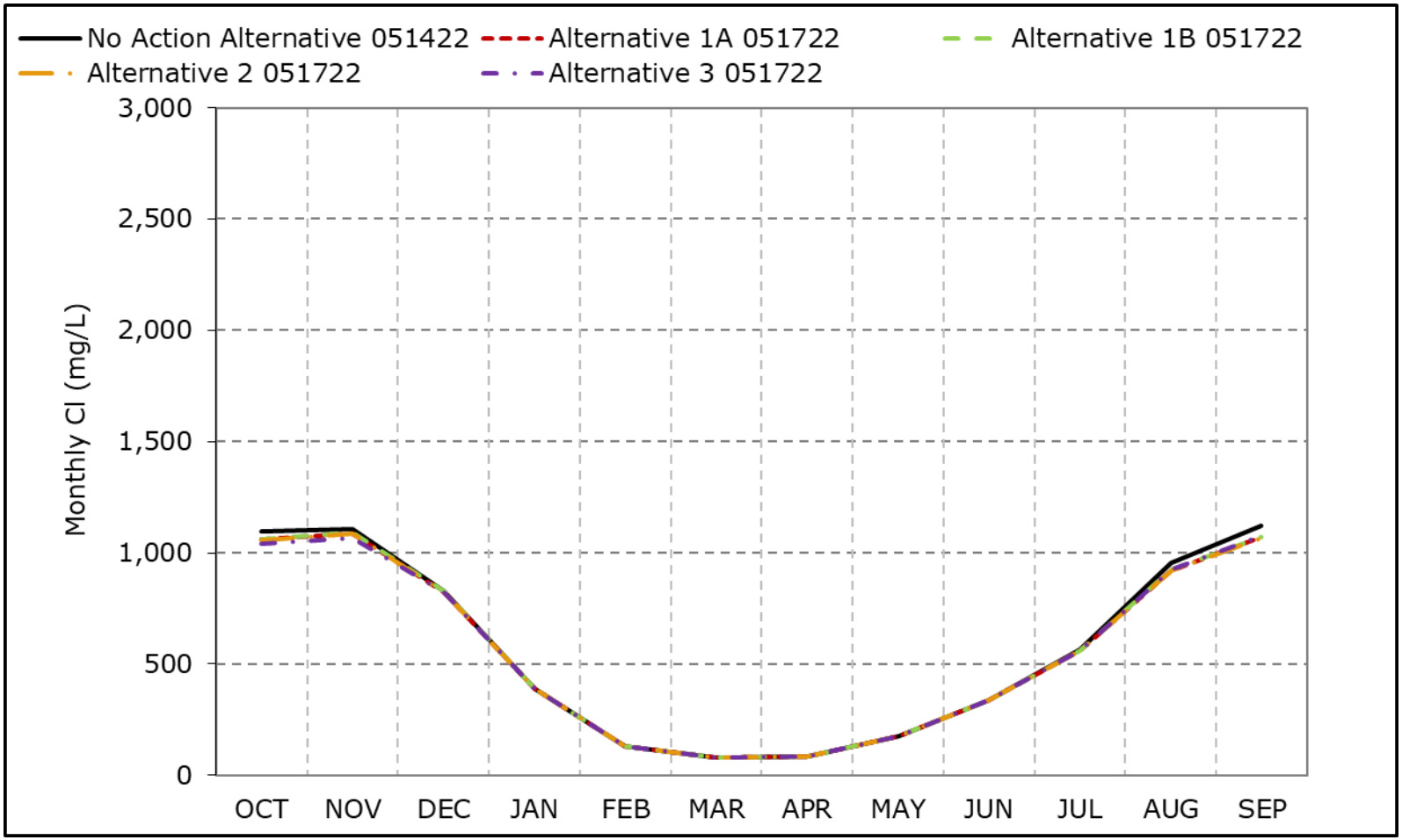
Table 6B2-2-4c. San Joaquin River at Antioch, Alternative 3 051722 minus No Action Alternative 051422, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-74	-42	-38	66	0	4	24	-1	2	4	-23	-51
20% Exceedance	-89	-28	-5	12	5	1	-1	-9	-5	-3	-49	-54
30% Exceedance	-71	-1	-6	54	2	0	1	10	13	-3	-47	-54
40% Exceedance	-77	-45	63	7	-5	0	1	2	11	-4	-22	-47
50% Exceedance	-312	-61	-1	3	1	0	0	0	-8	0	-6	-85
60% Exceedance	-14	-44	-57	-2	0	0	0	0	1	-1	-11	-33
70% Exceedance	-27	-7	-11	1	0	0	0	0	1	1	-32	-38
80% Exceedance	-26	-65	2	0	0	0	0	0	0	0	-34	-36
90% Exceedance	-12	-41	-9	0	0	0	0	0	0	0	-26	-21
Full Simulation Period Average[a]	-57	-40	-8	1	1	1	1	-1	0	-4	-31	-45
Wet Water Years (32%)	-9	4	10	1	0	0	0	-1	-2	1	-25	-27
Above Normal Years (15%)	-32	-51	-5	12	2	0	0	-1	1	-1	-36	-38
Below Normal Years (17%)	-207	-165	-21	-17	0	1	0	-1	4	-2	-24	-51
Dry Water Years (22%)	-66	-20	-21	9	5	0	1	1	2	-9	-44	-79
Critical Water Years (15%)	5	-7	-14	0	-1	5	4	-5	-7	-15	-26	-33

[a] Based on the 82-year simulation period.

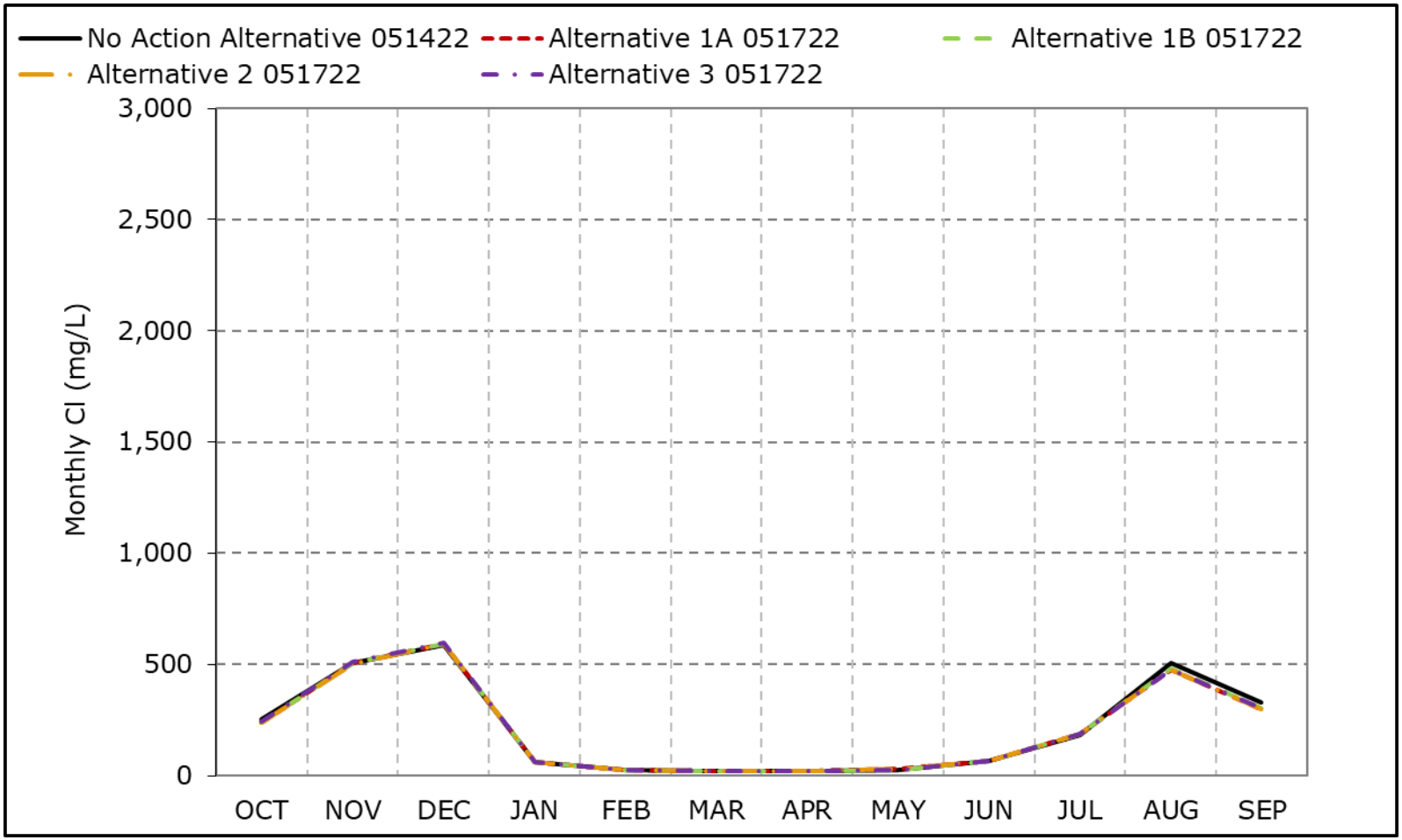
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with calendar year - year type sorting.

Figure 6B2-2-1. San Joaquin River at Antioch, Long-Term Average Cl



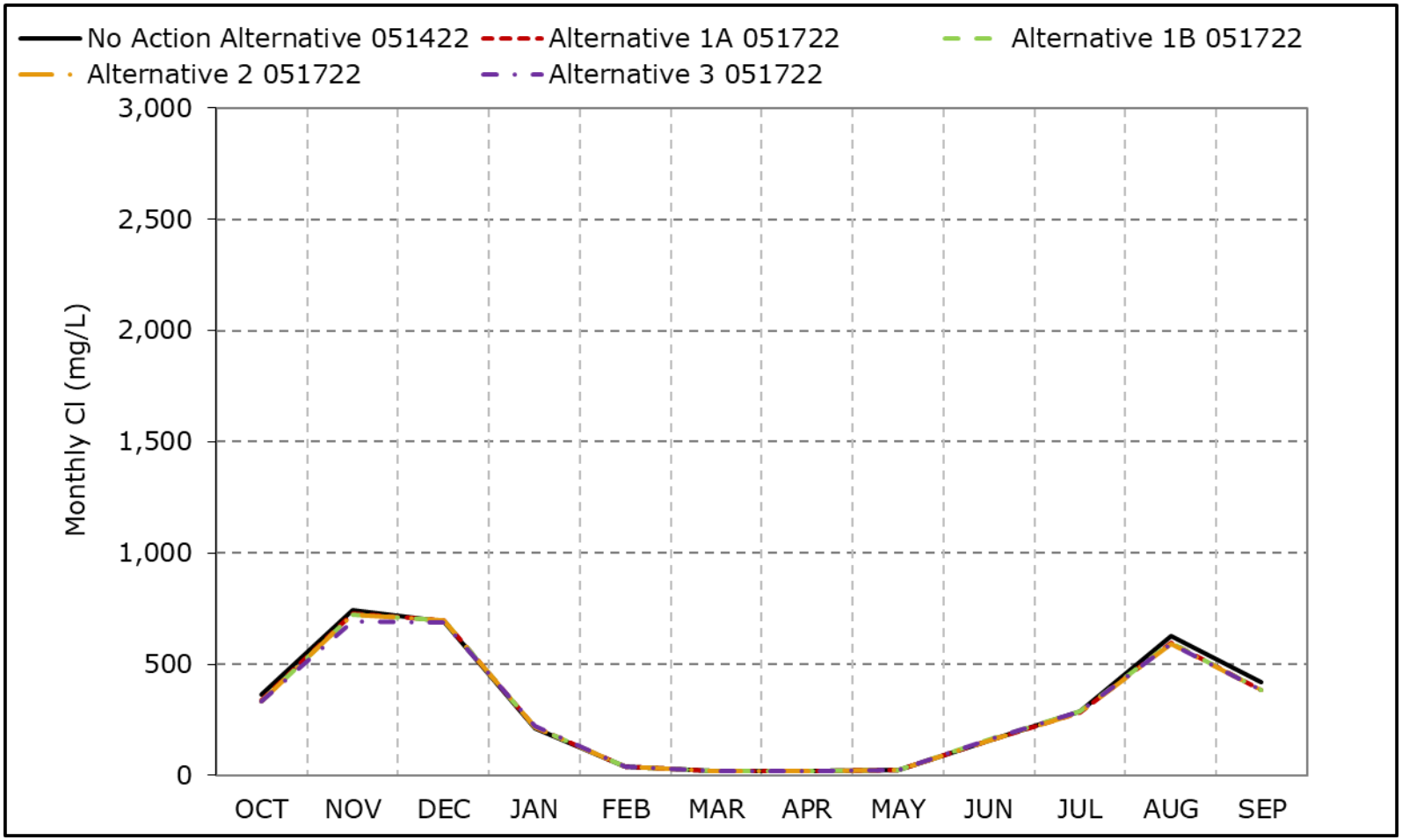
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-2-2. San Joaquin River at Antioch, Wet Year Average Cl



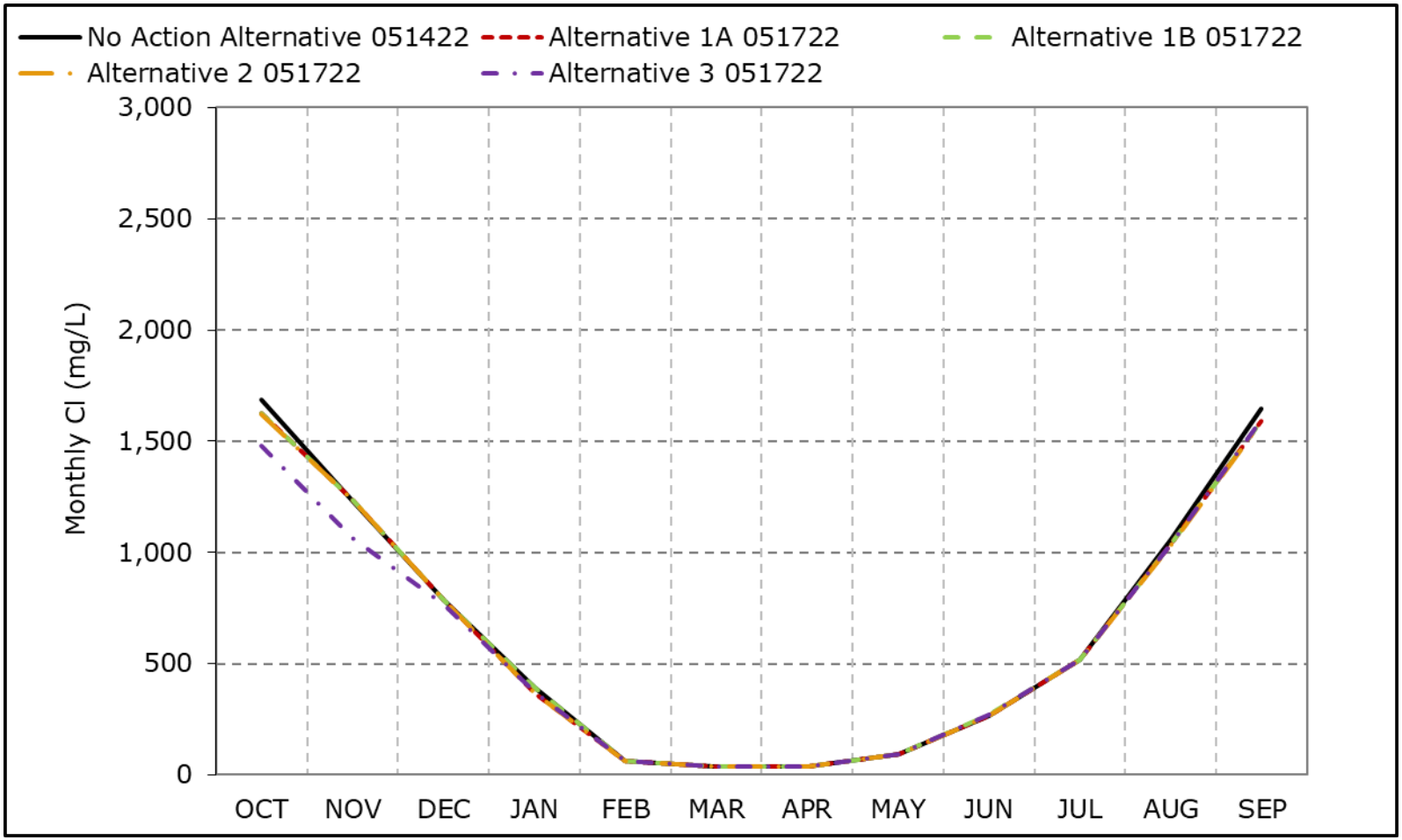
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-2-3. San Joaquin River at Antioch, Above Normal Year Average Cl



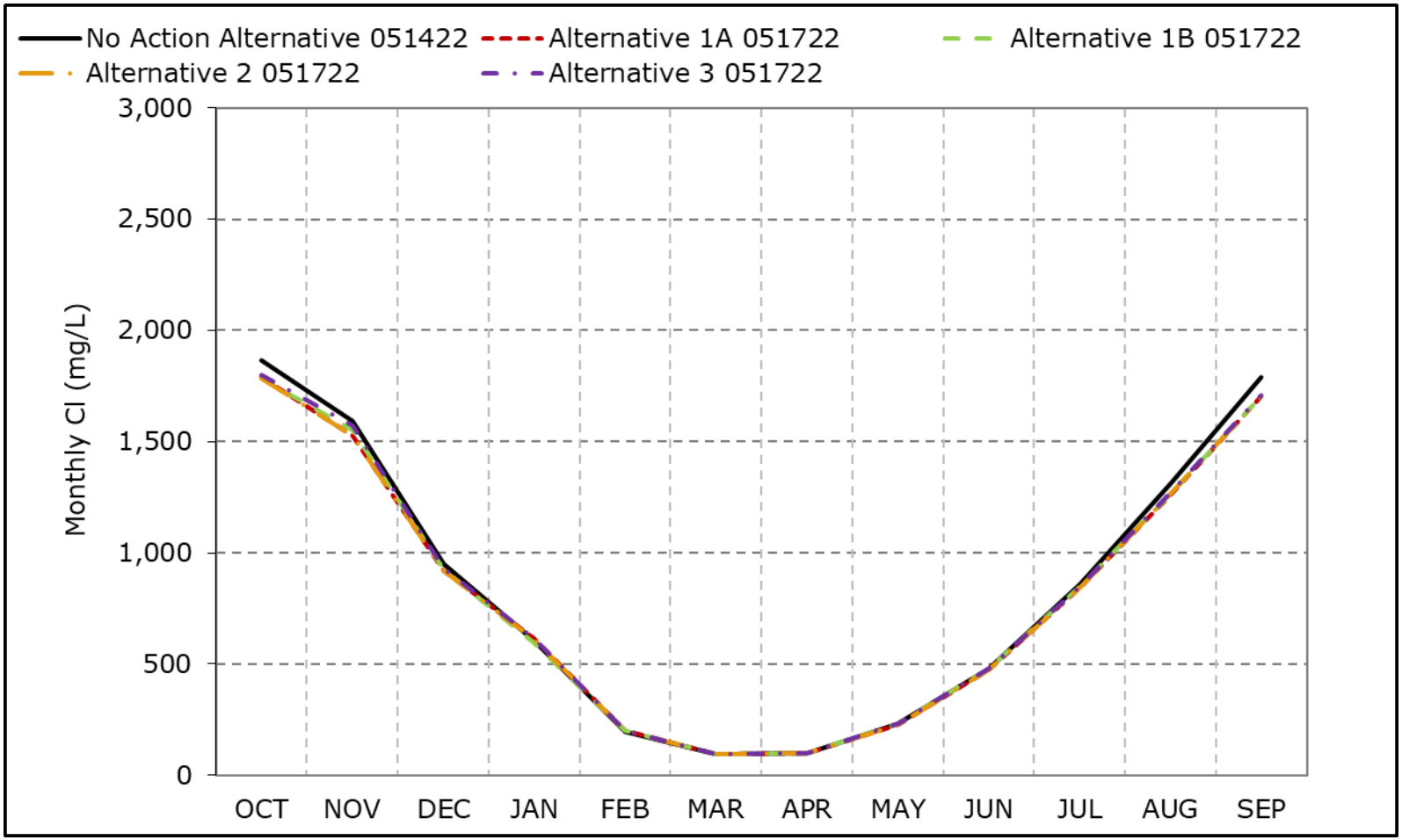
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-2-4. San Joaquin River at Antioch, Below Normal Year Average Cl



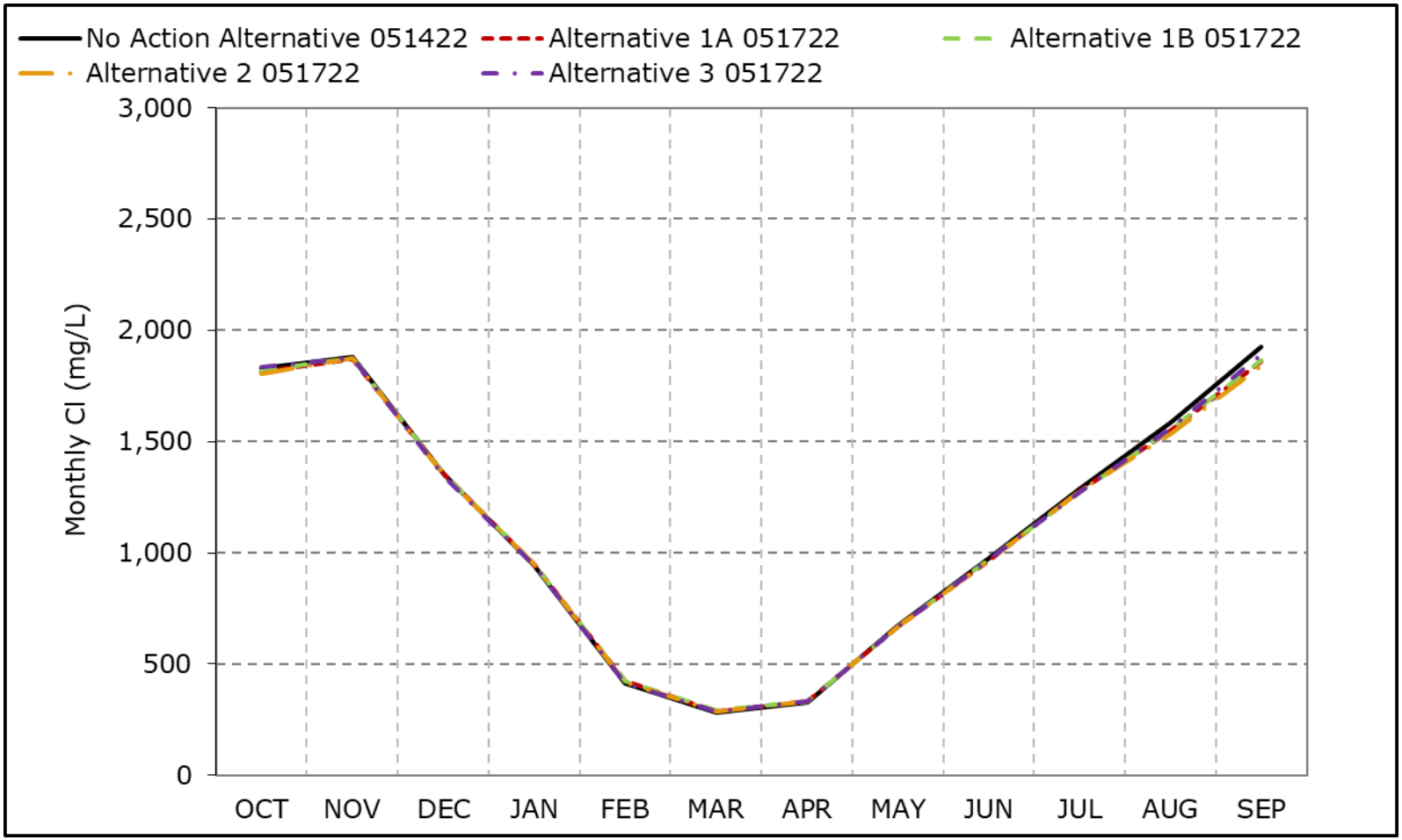
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-2-5. San Joaquin River at Antioch, Dry Year Average Cl



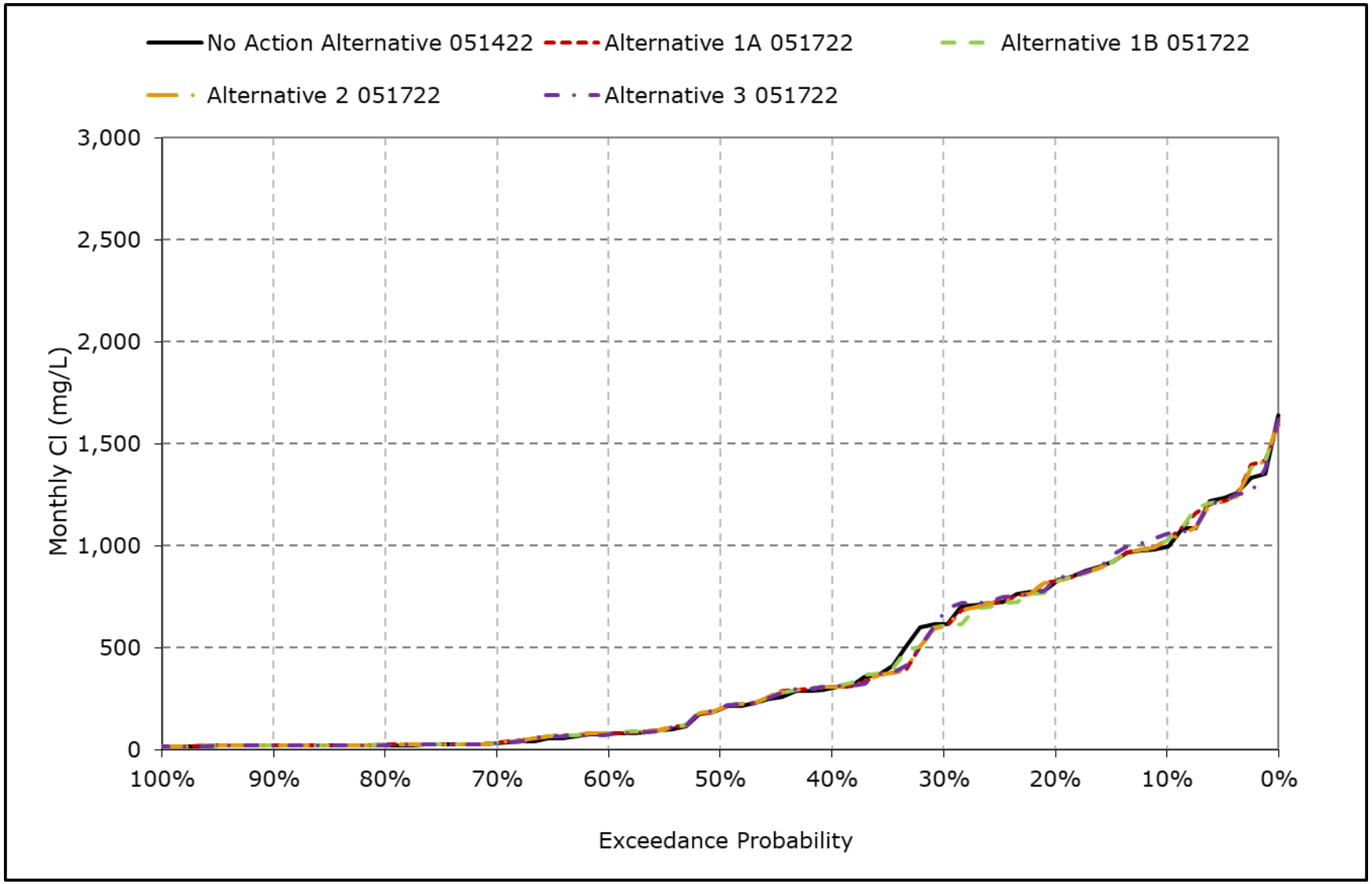
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-2-6. San Joaquin River at Antioch, Critical Year Average Cl



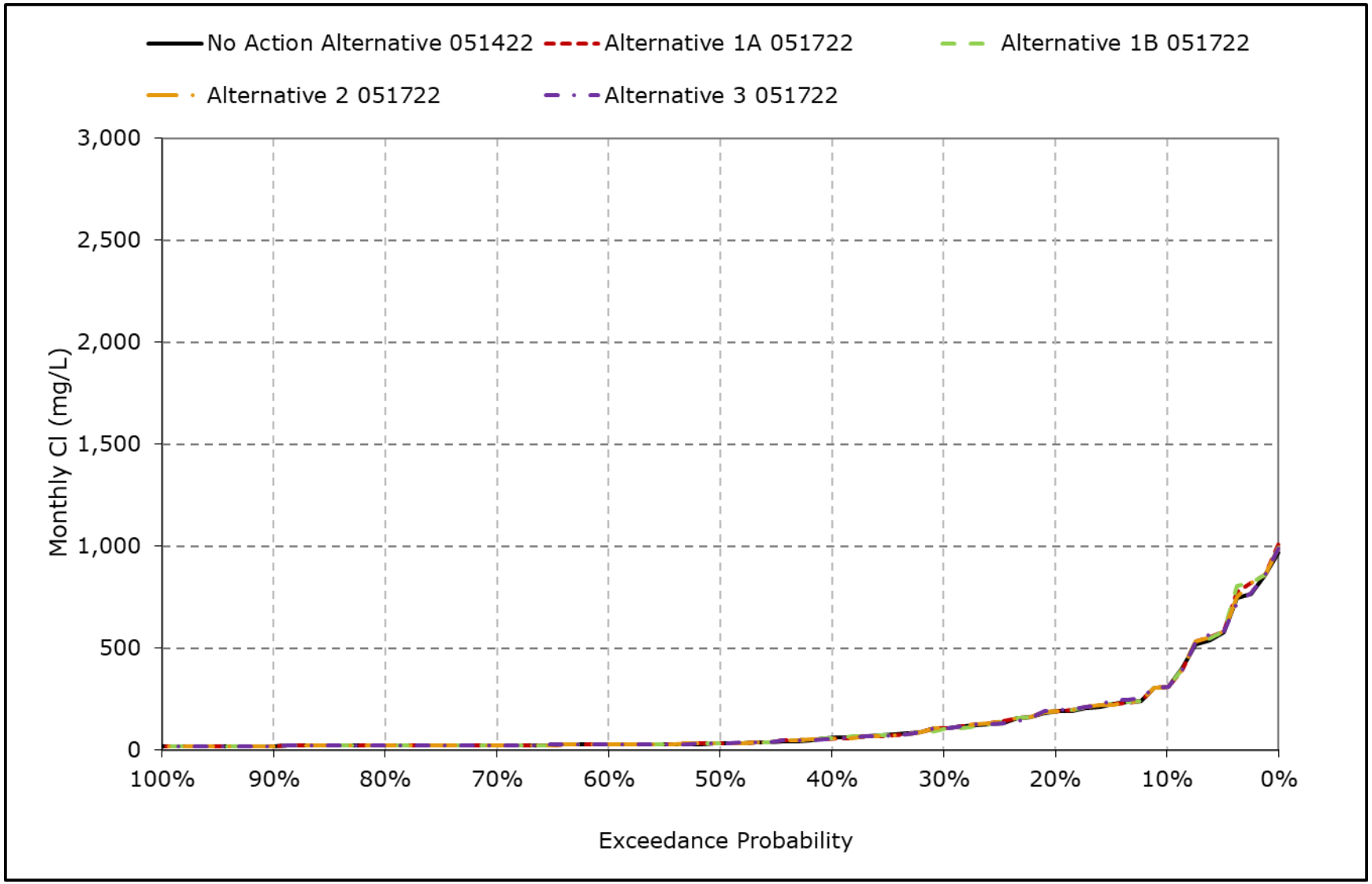
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-2-7. San Joaquin River at Antioch Chloride, January Cl



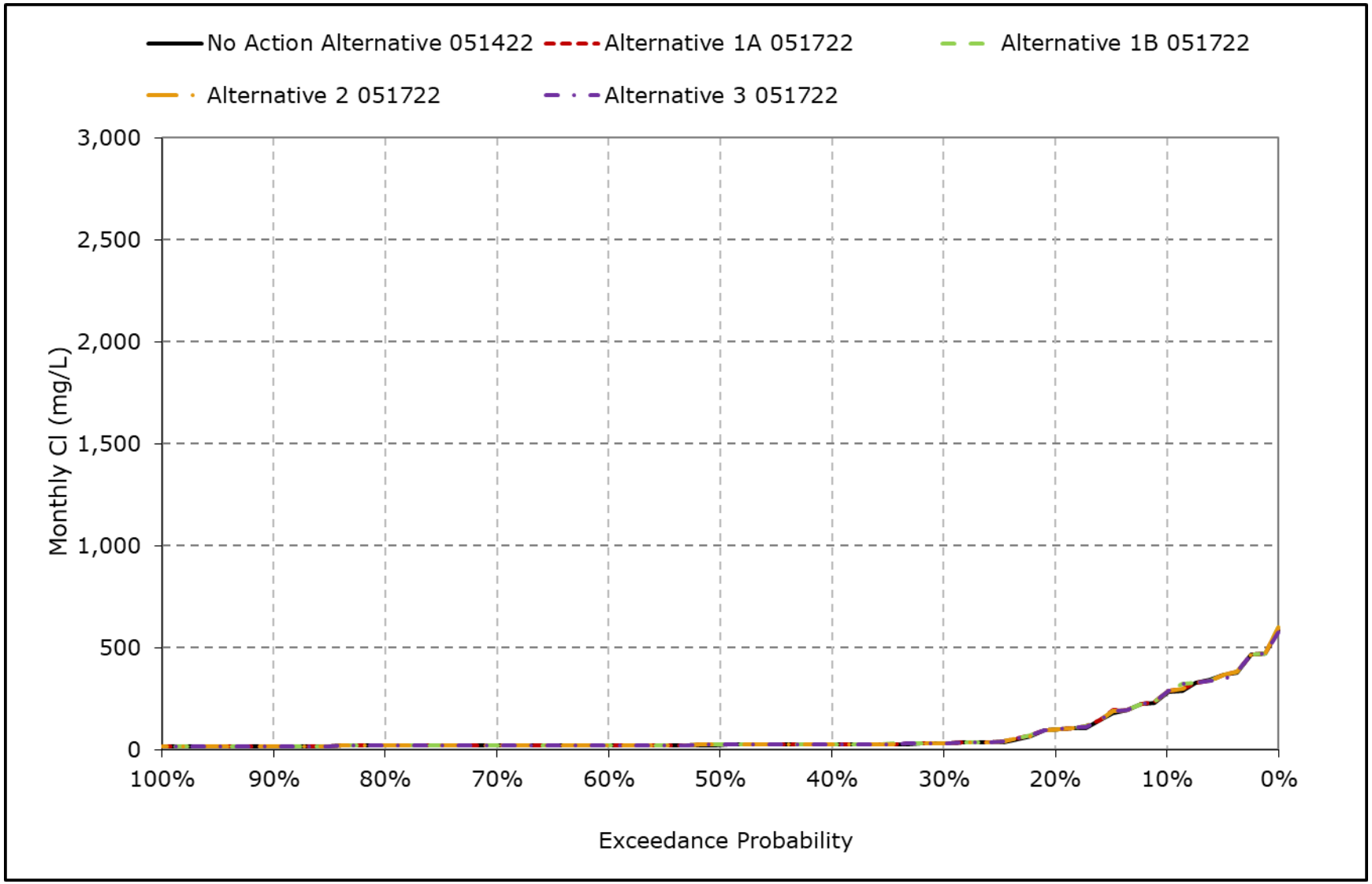
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-2-8. San Joaquin River at Antioch Chloride, February Cl



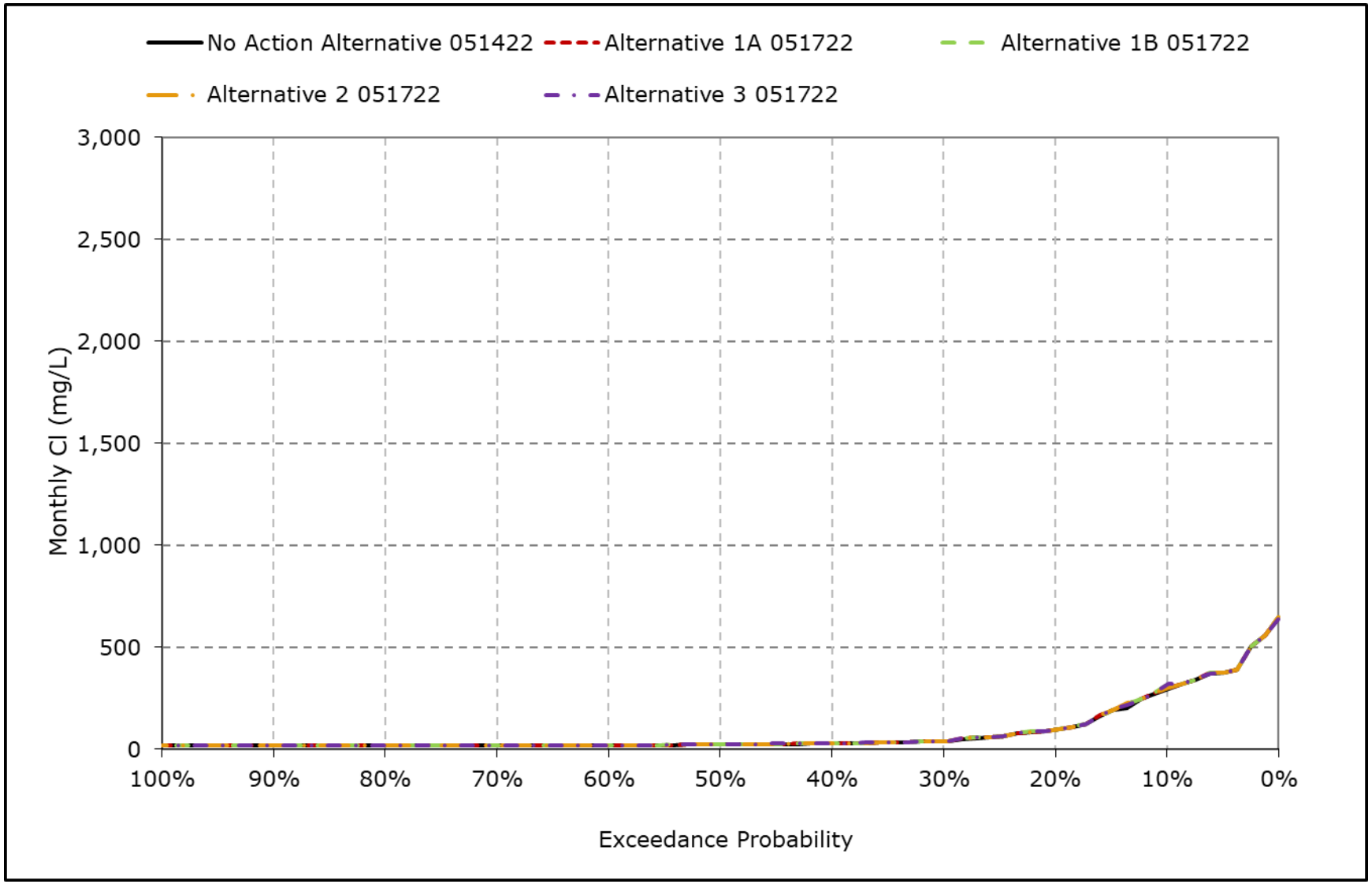
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-2-9. San Joaquin River at Antioch Chloride, March Cl



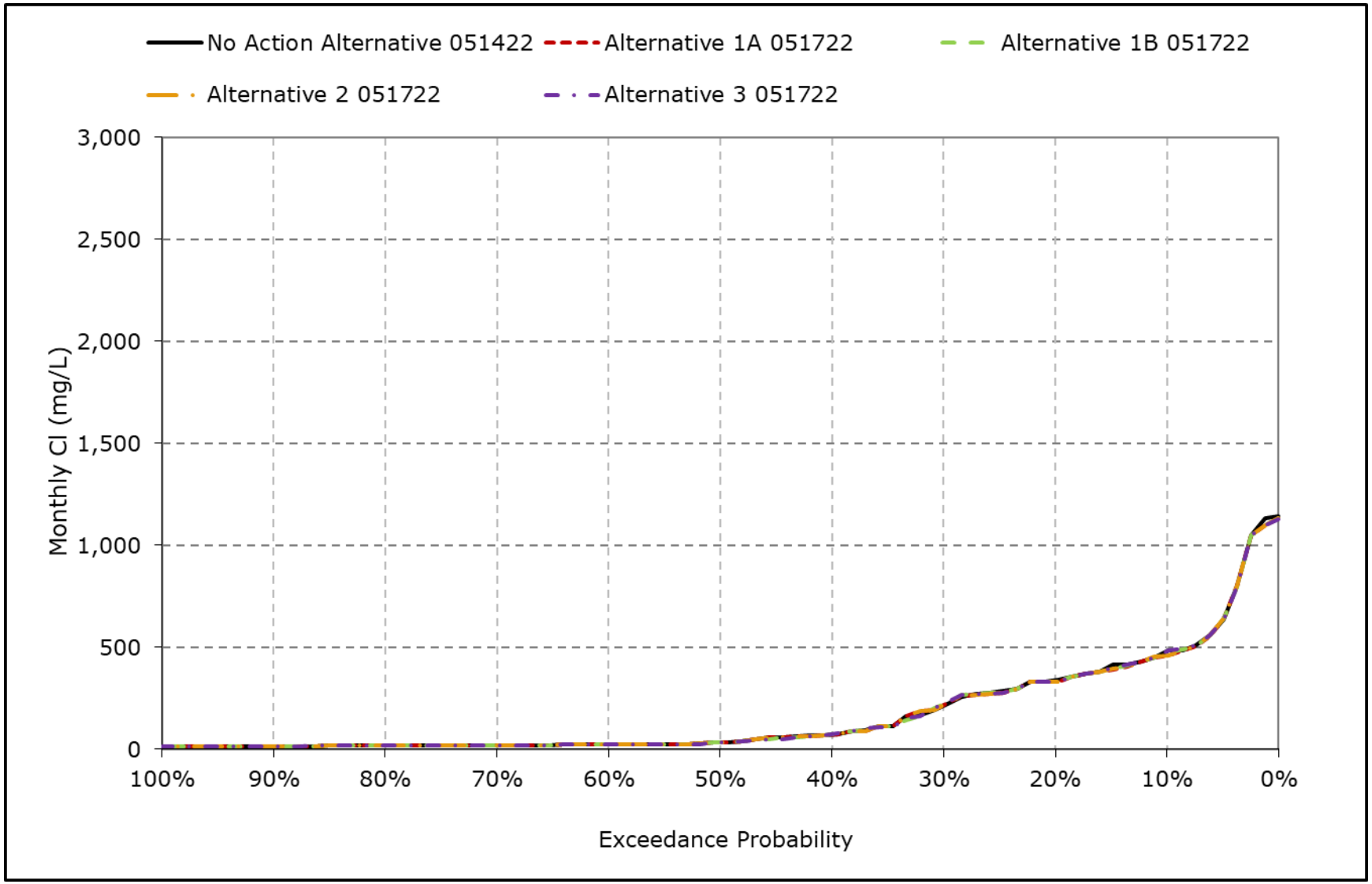
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-2-10. San Joaquin River at Antioch Chloride, April Cl



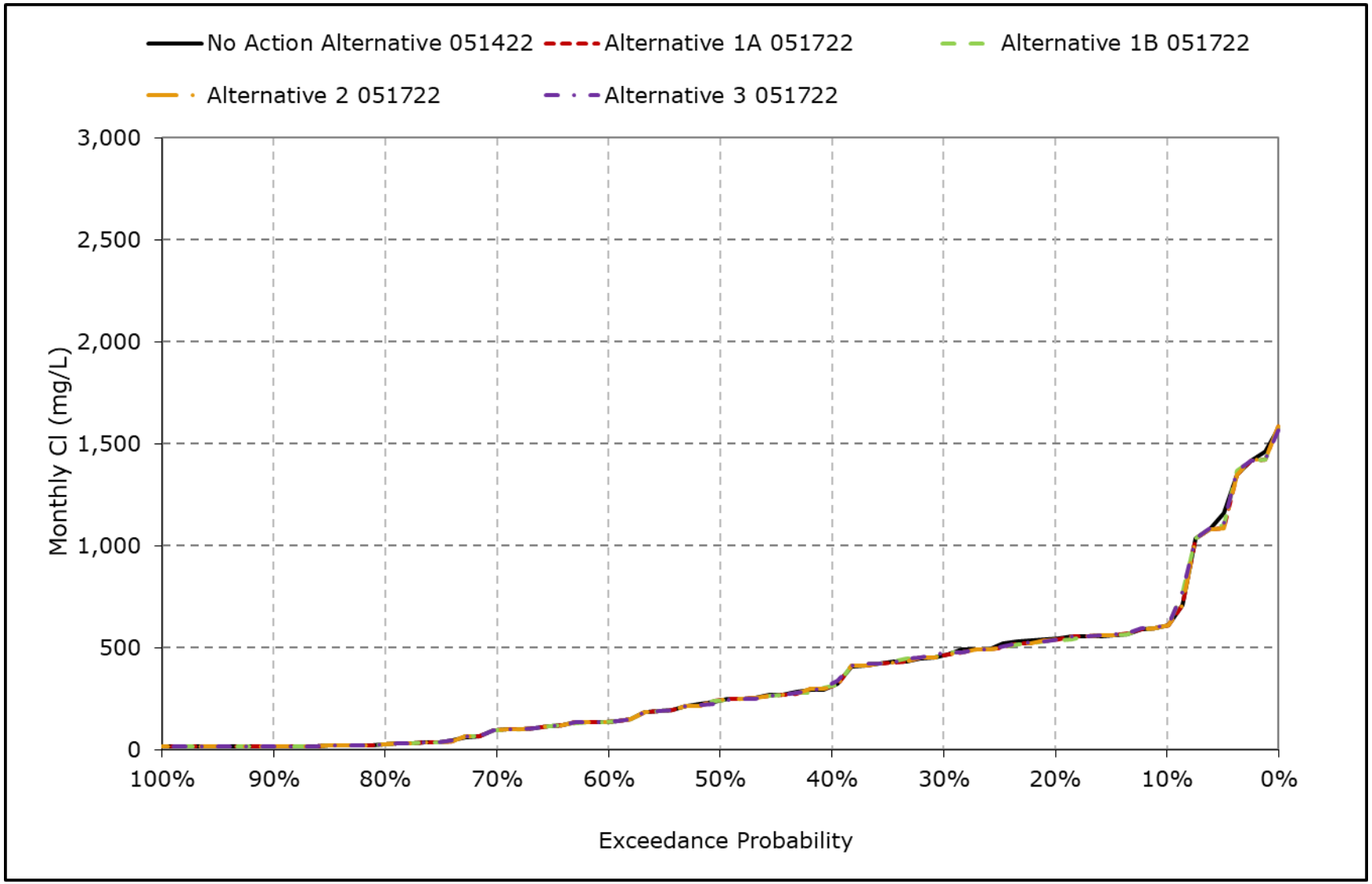
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-2-11. San Joaquin River at Antioch Chloride, May Cl



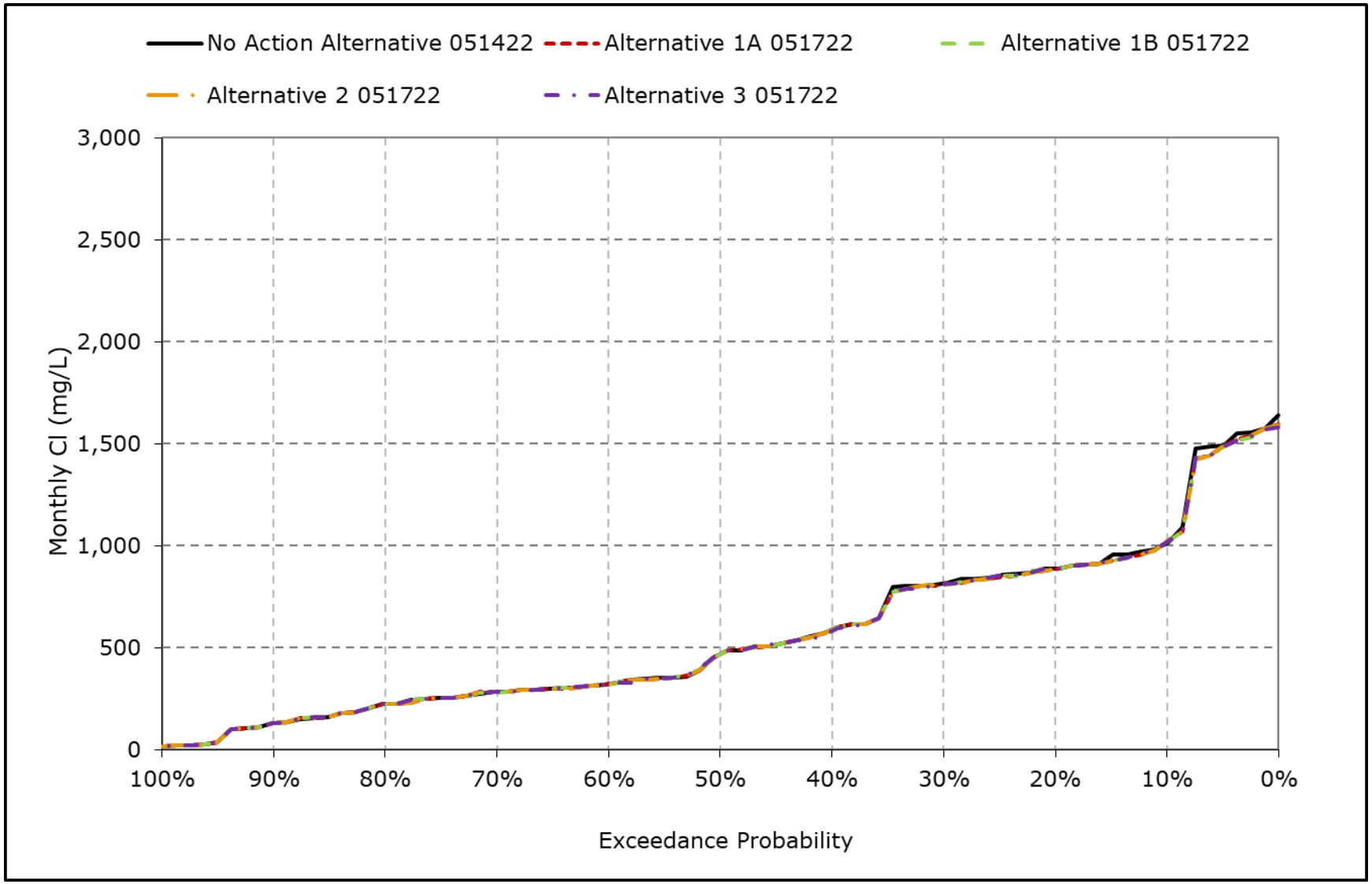
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-2-12. San Joaquin River at Antioch Chloride, June Cl



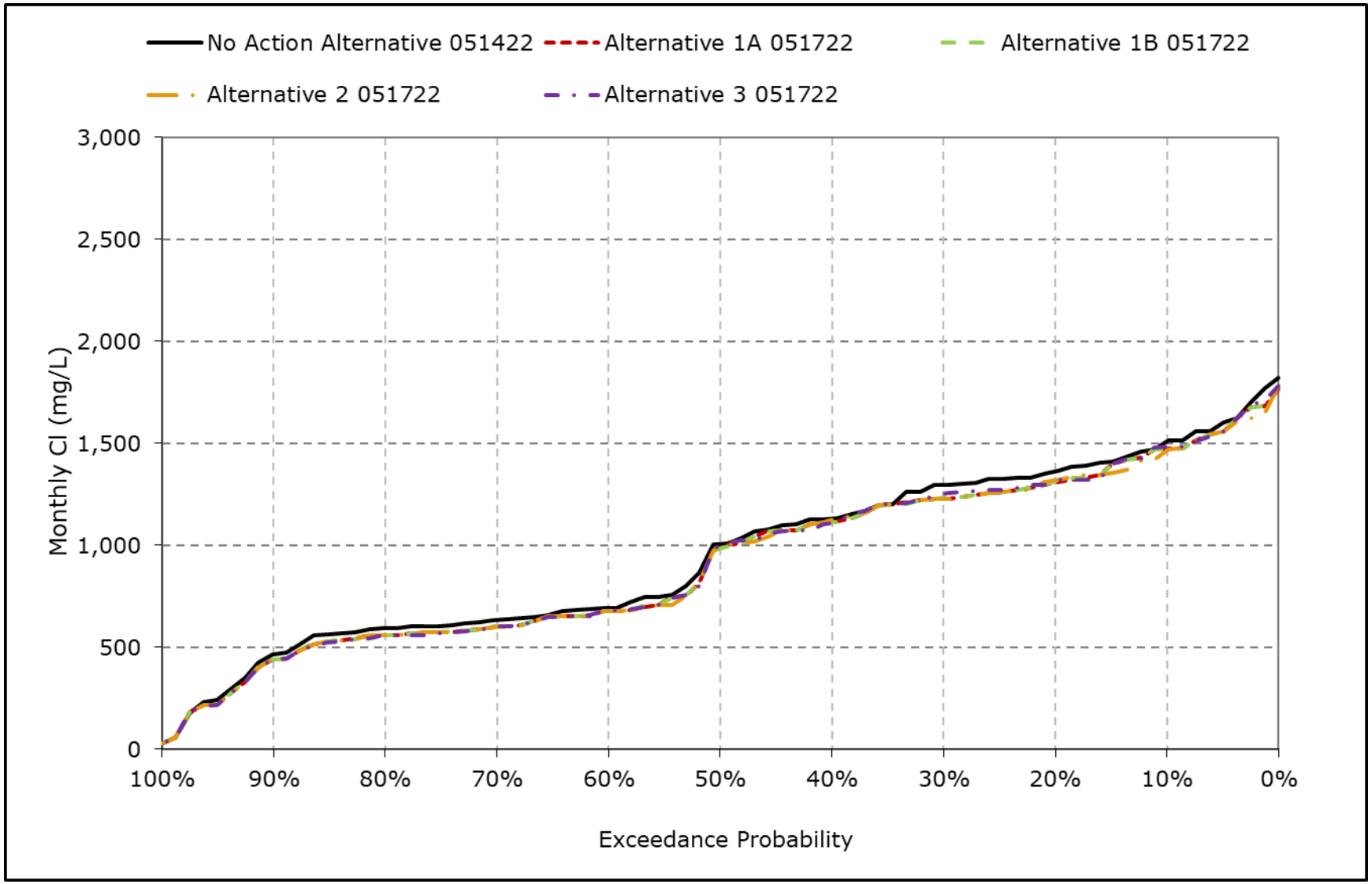
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-2-13. San Joaquin River at Antioch Chloride, July Cl



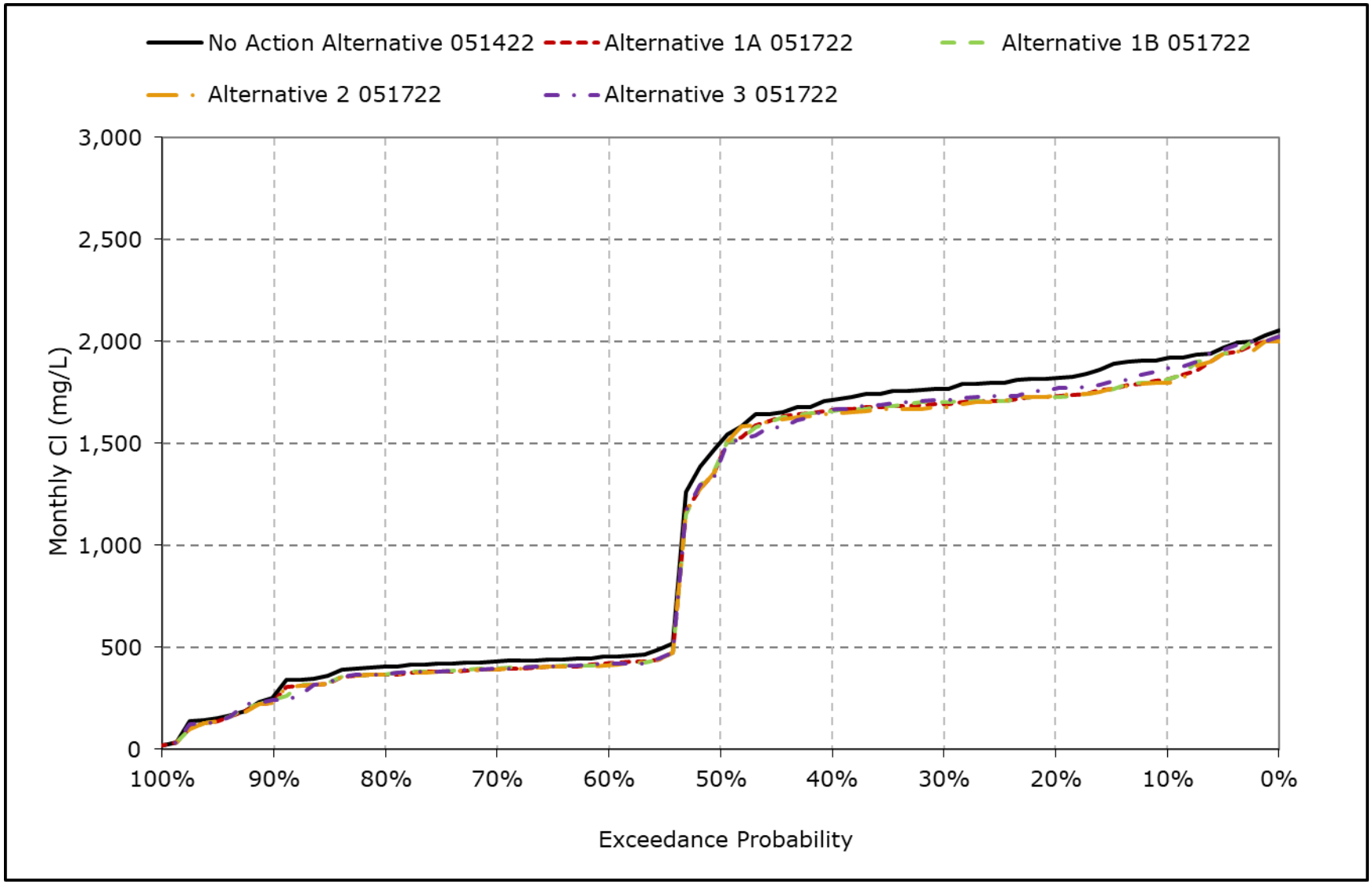
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-2-14. San Joaquin River at Antioch Chloride, August Cl



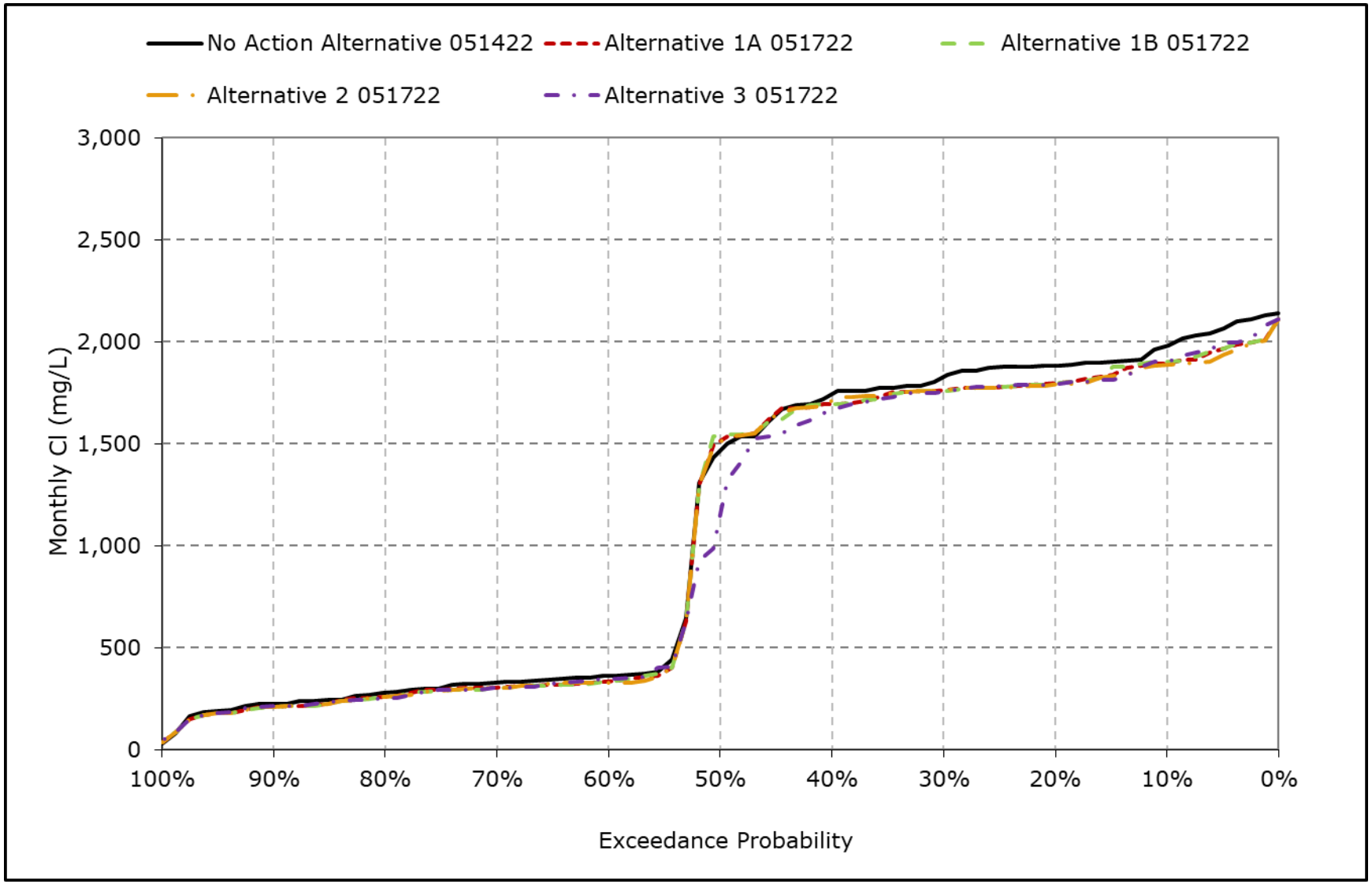
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-2-15. San Joaquin River at Antioch Chloride, September Cl



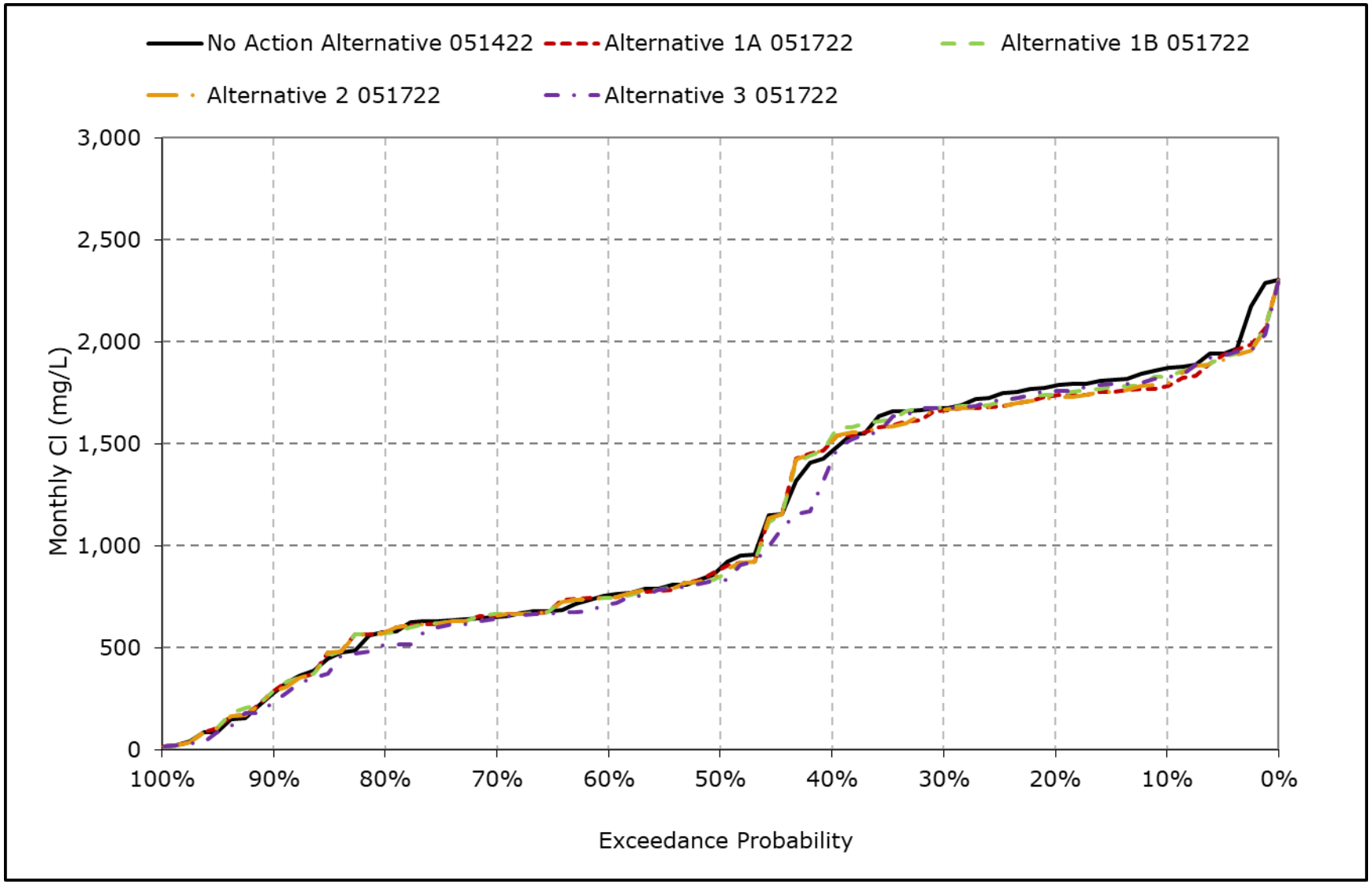
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-2-16. San Joaquin River at Antioch Chloride, October Cl



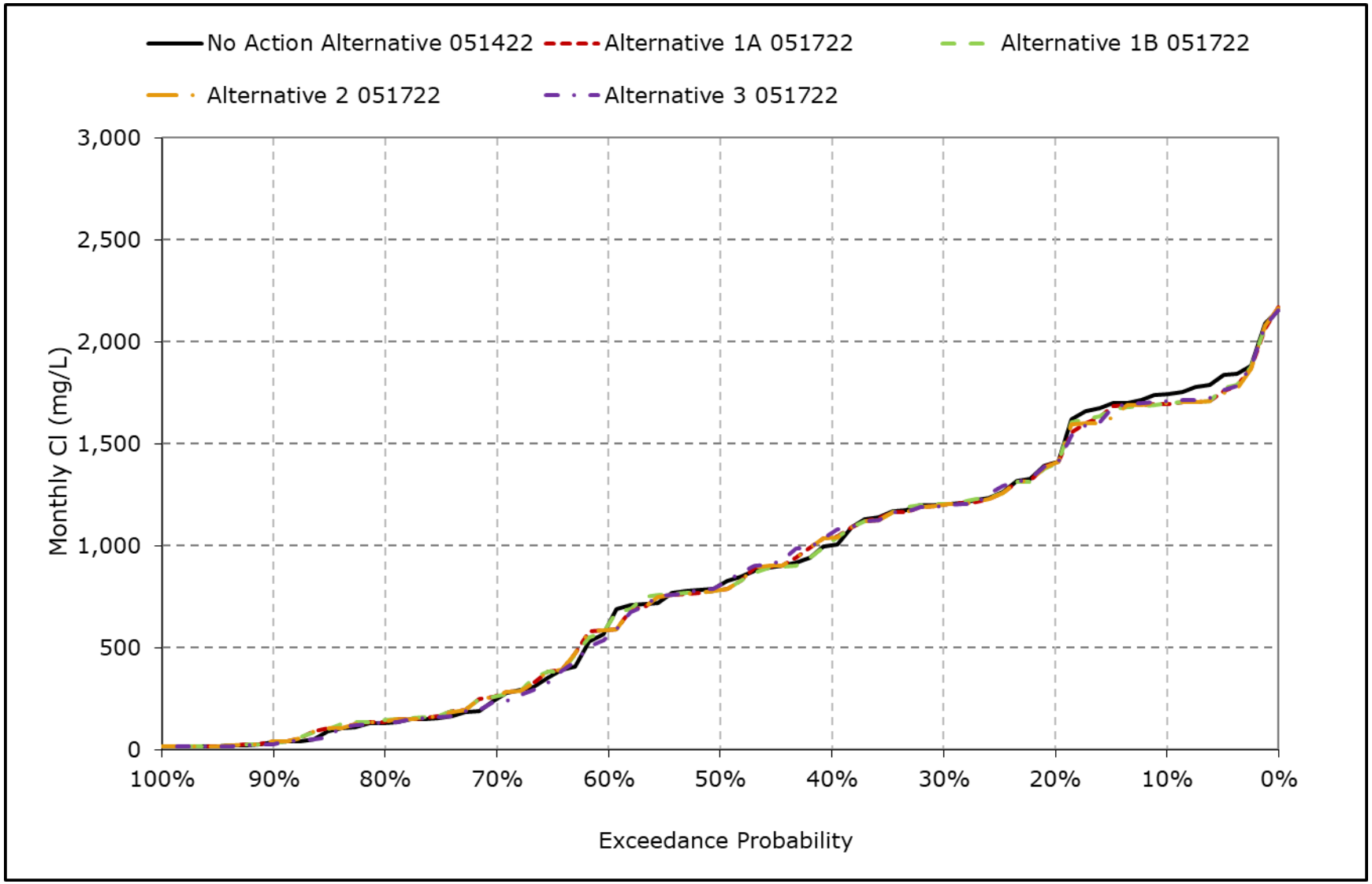
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-2-17. San Joaquin River at Antioch Chloride, November Cl



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-2-18. San Joaquin River at Antioch Chloride, December Cl



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Table 6B2-3-1a. Banks Pumping Plant South Delta Exports, No Action Alternative 051422, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	150	140	155	201	140	103	88	80	66	70	105	129
20% Exceedance	140	131	143	177	124	91	82	76	57	52	80	115
30% Exceedance	134	119	132	164	107	82	73	68	47	44	66	107
40% Exceedance	127	113	126	147	99	74	68	64	45	41	59	98
50% Exceedance	118	102	117	119	87	67	62	61	43	38	51	84
60% Exceedance	32	42	106	94	79	62	56	55	41	34	35	49
70% Exceedance	30	37	94	86	68	55	48	47	40	31	31	41
80% Exceedance	29	33	67	72	60	49	37	39	36	29	31	33
90% Exceedance	28	30	40	59	46	42	28	25	32	27	29	29
Full Simulation Period Average[a]	87	83	110	125	91	69	60	57	46	43	56	76
Wet Water Years (32%)	29	33	77	80	64	50	39	36	35	32	31	34
Above Normal Years (15%)	31	42	108	128	94	69	55	51	41	31	33	42
Below Normal Years (17%)	141	116	114	145	90	70	65	61	44	35	63	123
Dry Water Years (22%)	130	124	128	146	105	81	78	73	51	49	79	103
Critical Water Years (15%)	141	134	154	165	127	91	82	78	71	80	91	108

Table 6B2-3-1b. Banks Pumping Plant South Delta Exports, Alternative 1A 051722, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	150	142	157	202	140	103	90	82	65	69	105	128
20% Exceedance	136	130	143	178	126	91	82	75	57	52	84	115
30% Exceedance	129	120	137	160	108	82	73	68	47	44	70	107
40% Exceedance	124	110	129	144	97	73	68	65	45	41	61	99
50% Exceedance	117	98	117	118	87	68	62	61	43	38	53	88
60% Exceedance	32	43	106	95	78	62	56	55	41	35	35	45
70% Exceedance	29	36	99	84	68	55	49	47	40	31	31	39
80% Exceedance	29	32	72	73	60	49	37	39	36	29	30	31
90% Exceedance	27	29	40	61	47	42	28	25	32	27	29	29
Full Simulation Period Average[a]	86	83	112	125	91	69	60	57	46	43	57	76
Wet Water Years (32%)	28	33	77	81	64	50	39	36	35	32	30	33
Above Normal Years (15%)	30	41	107	130	94	69	55	51	41	31	33	40
Below Normal Years (17%)	136	116	122	141	89	70	65	61	44	35	63	120
Dry Water Years (22%)	128	125	129	146	107	82	78	73	51	49	84	104
Critical Water Years (15%)	145	131	153	163	126	92	82	78	71	79	92	112

Table 6B2-3-1c. Banks Pumping Plant South Delta Exports, Alternative 1A 051722 minus No Action Alternative 051422, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	2	2	1	0	0	2	1	0	0	0	-1
20% Exceedance	-4	0	0	1	1	0	-1	-1	0	0	4	0
30% Exceedance	-5	0	4	-4	1	0	0	0	0	0	5	-1
40% Exceedance	-3	-3	3	-2	-2	-1	0	0	-1	0	2	1
50% Exceedance	-1	-4	1	0	0	0	0	0	0	0	2	4
60% Exceedance	0	1	0	1	-1	0	0	0	0	1	0	-3
70% Exceedance	0	-1	5	-2	0	0	0	0	0	0	0	-2
80% Exceedance	0	-1	5	1	0	0	0	0	0	0	0	-2
90% Exceedance	0	0	0	1	1	0	0	0	0	0	0	0
Full Simulation Period Average[a]	-1	-1	2	0	0	0	0	0	0	0	1	0
Wet Water Years (32%)	0	0	0	1	0	0	0	0	0	0	0	-1
Above Normal Years (15%)	-1	-2	-1	2	1	0	0	0	0	0	0	-2
Below Normal Years (17%)	-5	0	9	-4	-1	0	0	0	0	0	0	-3
Dry Water Years (22%)	-2	0	1	1	1	1	0	0	0	1	6	2
Critical Water Years (15%)	4	-3	-1	-1	-1	0	0	0	0	-1	0	3

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 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 6B2-3-2a. Banks Pumping Plant South Delta Exports, No Action Alternative 051422, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	150	140	155	201	140	103	88	80	66	70	105	129
20% Exceedance	140	131	143	177	124	91	82	76	57	52	80	115
30% Exceedance	134	119	132	164	107	82	73	68	47	44	66	107
40% Exceedance	127	113	126	147	99	74	68	64	45	41	59	98
50% Exceedance	118	102	117	119	87	67	62	61	43	38	51	84
60% Exceedance	32	42	106	94	79	62	56	55	41	34	35	49
70% Exceedance	30	37	94	86	68	55	48	47	40	31	31	41
80% Exceedance	29	33	67	72	60	49	37	39	36	29	31	33
90% Exceedance	28	30	40	59	46	42	28	25	32	27	29	29
Full Simulation Period Average[a]	87	83	110	125	91	69	60	57	46	43	56	76
Wet Water Years (32%)	29	33	77	80	64	50	39	36	35	32	31	34
Above Normal Years (15%)	31	42	108	128	94	69	55	51	41	31	33	42
Below Normal Years (17%)	141	116	114	145	90	70	65	61	44	35	63	123
Dry Water Years (22%)	130	124	128	146	105	81	78	73	51	49	79	103
Critical Water Years (15%)	141	134	154	165	127	91	82	78	71	80	91	108

Table 6B2-3-2b. Banks Pumping Plant South Delta Exports, Alternative 1B 051722, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	151	142	158	201	141	103	89	82	65	69	105	128
20% Exceedance	137	131	145	177	124	91	82	75	57	53	82	114
30% Exceedance	130	122	138	161	108	82	73	68	47	44	70	107
40% Exceedance	124	112	131	143	96	73	68	64	45	41	61	100
50% Exceedance	119	97	119	120	87	67	62	61	43	38	53	87
60% Exceedance	32	42	109	95	79	61	55	55	41	35	35	45
70% Exceedance	29	35	99	86	68	54	49	47	40	31	31	39
80% Exceedance	29	33	72	73	60	49	37	39	36	28	30	31
90% Exceedance	27	30	41	61	47	42	28	25	32	27	29	29
Full Simulation Period Average[a]	86	83	113	125	91	69	60	57	46	43	57	76
Wet Water Years (32%)	28	33	77	81	64	50	39	36	35	32	30	33
Above Normal Years (15%)	30	41	107	130	94	69	55	51	42	31	33	40
Below Normal Years (17%)	137	117	122	145	91	70	65	61	44	35	63	121
Dry Water Years (22%)	127	127	135	142	104	81	78	73	51	50	84	104
Critical Water Years (15%)	145	131	153	164	127	91	80	77	70	79	91	111

Table 6B2-3-2c. Banks Pumping Plant South Delta Exports, Alternative 1B 051722 minus No Action Alternative 051422, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1	2	3	0	2	0	1	1	0	0	0	-1
20% Exceedance	-3	0	2	0	0	0	-1	-1	0	1	3	-1
30% Exceedance	-4	3	6	-3	0	0	0	0	0	0	5	-1
40% Exceedance	-3	0	5	-3	-3	-1	0	0	0	0	2	2
50% Exceedance	1	-5	3	2	0	0	0	0	0	0	2	4
60% Exceedance	0	0	3	1	0	-1	-1	0	0	1	0	-3
70% Exceedance	0	-1	5	0	0	-1	0	0	0	0	0	-2
80% Exceedance	0	-1	5	1	0	0	0	0	0	0	0	-1
90% Exceedance	0	0	1	1	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	-1	0	3	0	0	0	0	0	0	0	1	0
Wet Water Years (32%)	0	0	0	2	0	0	0	0	0	0	0	-1
Above Normal Years (15%)	-1	-2	-1	2	1	0	0	0	0	0	0	-2
Below Normal Years (17%)	-4	1	8	1	0	0	0	0	0	0	0	-3
Dry Water Years (22%)	-2	3	7	-4	-1	0	0	0	-1	1	6	2
Critical Water Years (15%)	4	-3	0	0	0	0	-1	-1	0	-1	0	3

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 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 6B2-3-3a. Banks Pumping Plant South Delta Exports, No Action Alternative 051422, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	150	140	155	201	140	103	88	80	66	70	105	129
20% Exceedance	140	131	143	177	124	91	82	76	57	52	80	115
30% Exceedance	134	119	132	164	107	82	73	68	47	44	66	107
40% Exceedance	127	113	126	147	99	74	68	64	45	41	59	98
50% Exceedance	118	102	117	119	87	67	62	61	43	38	51	84
60% Exceedance	32	42	106	94	79	62	56	55	41	34	35	49
70% Exceedance	30	37	94	86	68	55	48	47	40	31	31	41
80% Exceedance	29	33	67	72	60	49	37	39	36	29	31	33
90% Exceedance	28	30	40	59	46	42	28	25	32	27	29	29
Full Simulation Period Average[a]	87	83	110	125	91	69	60	57	46	43	56	76
Wet Water Years (32%)	29	33	77	80	64	50	39	36	35	32	31	34
Above Normal Years (15%)	31	42	108	128	94	69	55	51	41	31	33	42
Below Normal Years (17%)	141	116	114	145	90	70	65	61	44	35	63	123
Dry Water Years (22%)	130	124	128	146	105	81	78	73	51	49	79	103
Critical Water Years (15%)	141	134	154	165	127	91	82	78	71	80	91	108

Table 6B2-3-3b. Banks Pumping Plant South Delta Exports, Alternative 2 051722, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	149	140	156	201	137	102	90	82	65	69	105	127
20% Exceedance	135	130	144	177	126	91	81	75	57	52	84	114
30% Exceedance	130	119	136	159	108	82	73	68	47	44	70	107
40% Exceedance	122	109	129	144	97	73	68	65	45	41	61	99
50% Exceedance	116	94	117	118	87	68	62	61	43	38	53	88
60% Exceedance	32	43	107	95	78	62	56	55	41	35	35	45
70% Exceedance	29	35	99	84	68	55	49	47	40	31	31	39
80% Exceedance	29	32	72	73	60	49	37	39	36	29	30	31
90% Exceedance	27	29	40	61	47	42	28	25	32	27	29	29
Full Simulation Period Average[a]	85	82	112	124	91	69	60	57	46	43	57	75
Wet Water Years (32%)	28	32	77	81	64	50	39	36	35	32	30	33
Above Normal Years (15%)	30	40	107	130	94	69	55	51	41	31	33	40
Below Normal Years (17%)	136	116	122	140	90	70	65	61	44	35	63	120
Dry Water Years (22%)	127	123	129	145	105	81	78	73	51	49	84	104
Critical Water Years (15%)	141	129	153	164	126	92	81	78	71	79	91	108

Table 6B2-3-3c. Banks Pumping Plant South Delta Exports, Alternative 2 051722 minus No Action Alternative 051422, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1	0	1	0	-3	-1	1	1	0	0	-1	-2
20% Exceedance	-4	-1	0	0	1	0	-1	-1	0	0	4	-1
30% Exceedance	-4	0	4	-5	0	0	0	0	0	0	5	0
40% Exceedance	-5	-4	3	-2	-2	-1	0	0	-1	0	2	1
50% Exceedance	-2	-8	1	0	0	0	0	0	0	0	2	4
60% Exceedance	0	1	0	1	-1	0	0	0	0	1	0	-3
70% Exceedance	0	-1	5	-2	0	0	0	0	0	0	0	-2
80% Exceedance	0	-1	5	1	0	0	0	0	0	0	0	-2
90% Exceedance	0	0	0	1	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	-2	-1	1	0	0	0	0	0	0	0	1	-1
Wet Water Years (32%)	0	0	0	1	0	0	0	0	0	0	0	-1
Above Normal Years (15%)	-1	-2	-1	2	1	0	0	0	0	0	0	-2
Below Normal Years (17%)	-6	0	8	-4	-1	0	0	0	0	0	0	-3
Dry Water Years (22%)	-3	-1	1	-1	0	0	0	0	0	0	5	2
Critical Water Years (15%)	0	-5	-1	-1	-1	0	0	0	0	-1	0	0

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 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 6B2-3-4a. Banks Pumping Plant South Delta Exports, No Action Alternative 051422, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	150	140	155	201	140	103	88	80	66	70	105	129
20% Exceedance	140	131	143	177	124	91	82	76	57	52	80	115
30% Exceedance	134	119	132	164	107	82	73	68	47	44	66	107
40% Exceedance	127	113	126	147	99	74	68	64	45	41	59	98
50% Exceedance	118	102	117	119	87	67	62	61	43	38	51	84
60% Exceedance	32	42	106	94	79	62	56	55	41	34	35	49
70% Exceedance	30	37	94	86	68	55	48	47	40	31	31	41
80% Exceedance	29	33	67	72	60	49	37	39	36	29	31	33
90% Exceedance	28	30	40	59	46	42	28	25	32	27	29	29
Full Simulation Period Average[a]	87	83	110	125	91	69	60	57	46	43	56	76
Wet Water Years (32%)	29	33	77	80	64	50	39	36	35	32	31	34
Above Normal Years (15%)	31	42	108	128	94	69	55	51	41	31	33	42
Below Normal Years (17%)	141	116	114	145	90	70	65	61	44	35	63	123
Dry Water Years (22%)	130	124	128	146	105	81	78	73	51	49	79	103
Critical Water Years (15%)	141	134	154	165	127	91	82	78	71	80	91	108

Table 6B2-3-4b. Banks Pumping Plant South Delta Exports, Alternative 3 051722, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	148	140	160	200	140	101	90	82	65	69	103	127
20% Exceedance	137	130	147	180	125	91	82	75	58	52	83	115
30% Exceedance	129	116	137	168	109	82	73	68	47	43	69	106
40% Exceedance	124	109	126	145	99	74	67	64	44	41	59	100
50% Exceedance	117	94	119	117	89	67	62	61	43	38	54	86
60% Exceedance	32	41	108	95	78	62	55	55	41	35	35	45
70% Exceedance	29	36	92	82	68	54	49	47	40	31	31	37
80% Exceedance	29	32	67	73	60	49	37	39	36	29	30	31
90% Exceedance	27	29	40	61	46	42	27	26	32	27	29	29
Full Simulation Period Average[a]	85	82	111	125	92	69	60	57	46	43	57	76
Wet Water Years (32%)	28	33	77	81	64	50	38	36	35	32	30	33
Above Normal Years (15%)	31	43	104	130	95	69	55	51	42	32	33	40
Below Normal Years (17%)	134	111	110	142	90	70	64	61	44	35	62	120
Dry Water Years (22%)	127	122	135	146	106	81	78	73	50	49	84	104
Critical Water Years (15%)	143	132	153	166	128	91	80	77	70	79	90	109

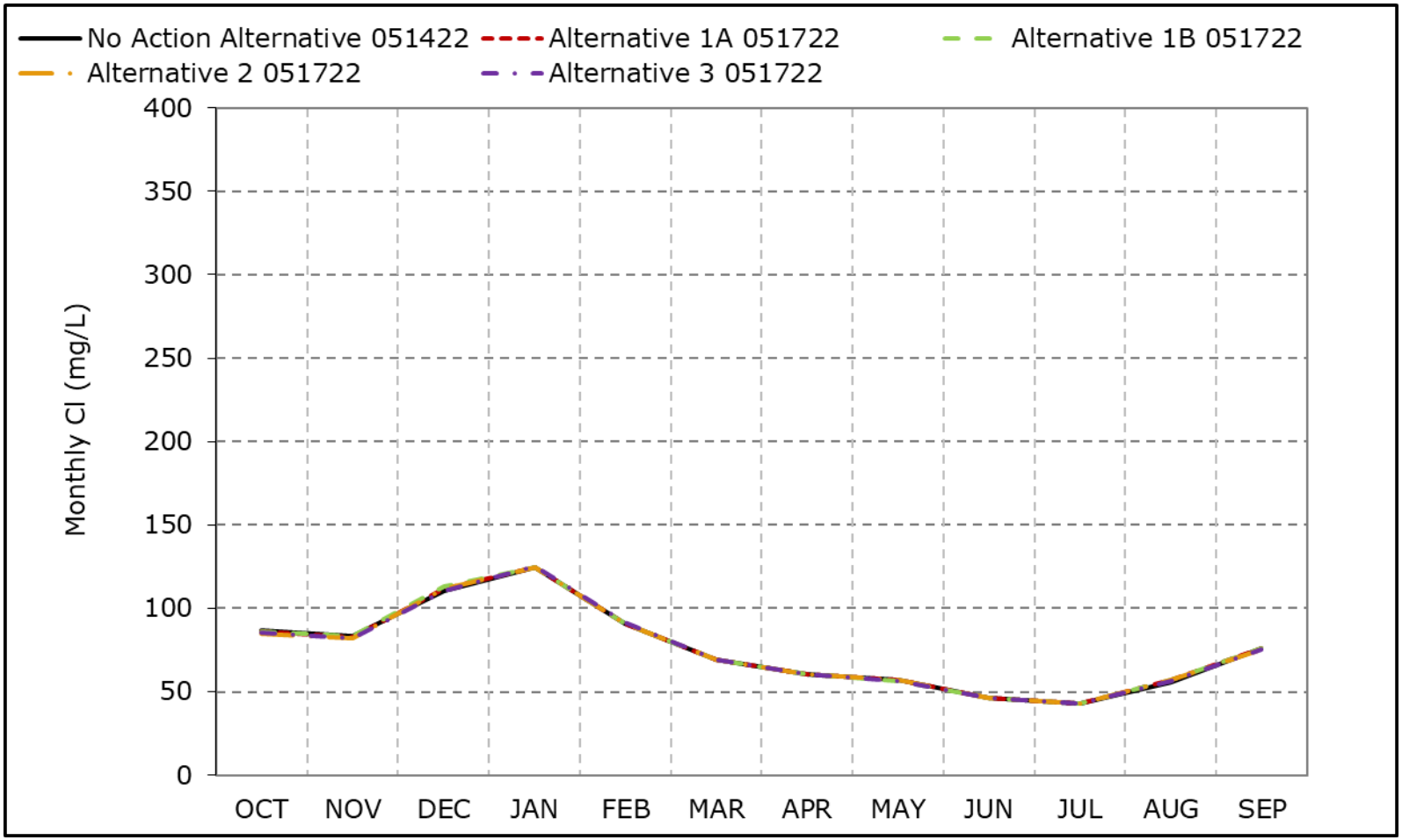
Table 6B2-3-4c. Banks Pumping Plant South Delta Exports, Alternative 3 051722 minus No Action Alternative 051422, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2	0	5	-1	1	-2	1	1	-1	0	-2	-2
20% Exceedance	-3	0	3	3	0	0	-1	-1	0	0	3	-1
30% Exceedance	-5	-4	4	4	2	0	0	0	0	-1	4	-1
40% Exceedance	-3	-4	0	-2	0	0	0	0	-1	1	0	2
50% Exceedance	-1	-9	3	-2	1	0	0	0	0	0	3	2
60% Exceedance	0	-1	1	2	-1	-1	-1	0	0	1	0	-3
70% Exceedance	0	-1	-2	-4	0	-2	0	0	0	0	0	-3
80% Exceedance	0	-1	0	1	0	0	0	0	0	0	0	-1
90% Exceedance	0	0	0	1	0	0	-1	1	0	0	0	0
Full Simulation Period Average[a]	-2	-1	1	1	1	0	0	0	0	0	1	-1
Wet Water Years (32%)	0	0	1	1	0	0	0	0	0	0	0	-1
Above Normal Years (15%)	0	1	-4	3	2	0	1	0	0	0	0	-2
Below Normal Years (17%)	-7	-5	-3	-3	-1	0	0	0	0	0	-1	-3
Dry Water Years (22%)	-2	-2	8	1	1	0	0	-1	-1	0	5	2
Critical Water Years (15%)	2	-2	-1	2	1	0	-1	-1	-1	-1	-1	0

[a] Based on the 82-year simulation period.

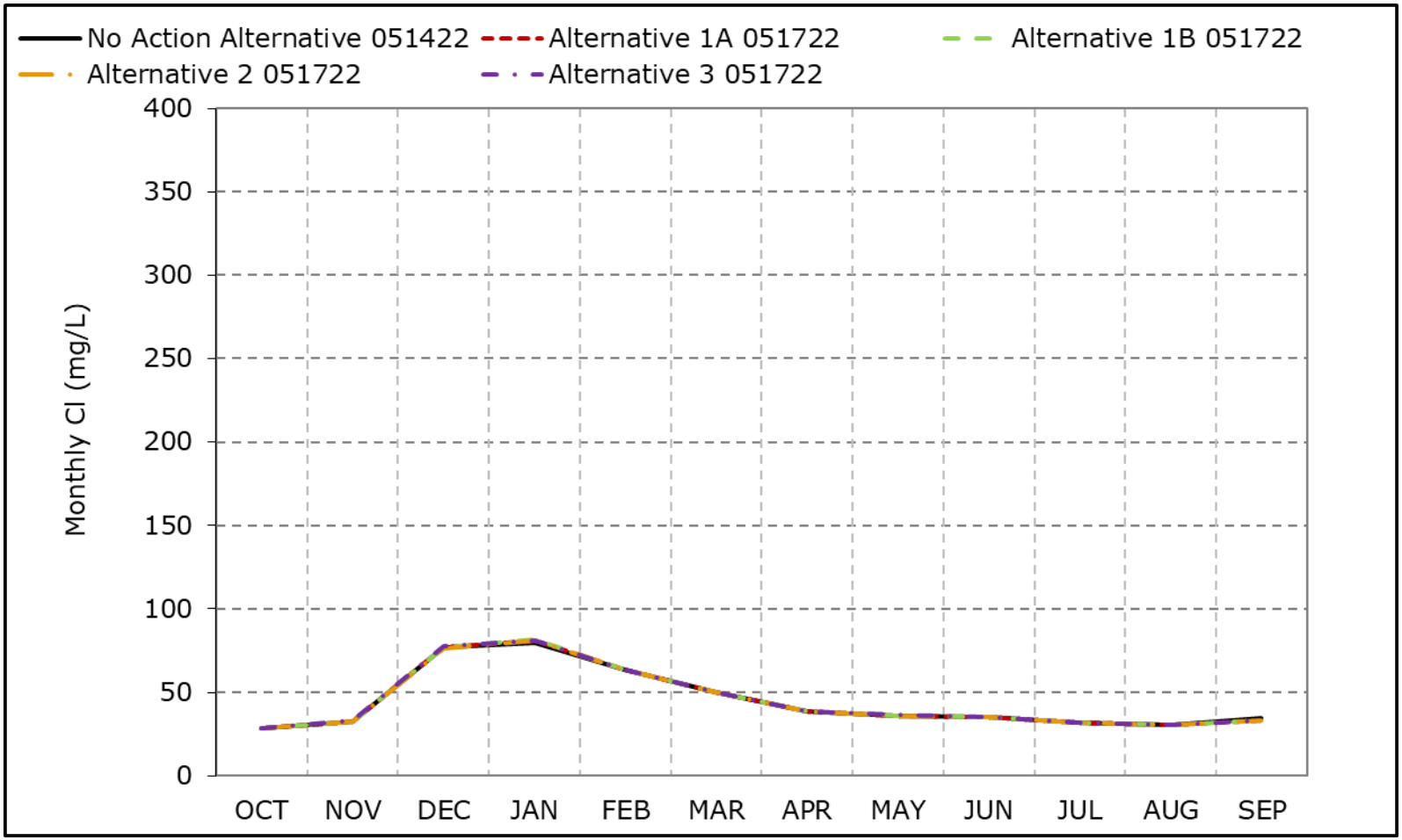
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with calendar year - year type sorting.

Figure 6B2-3-1. Banks Pumping Plant South Delta Exports, Long-Term Average Cl



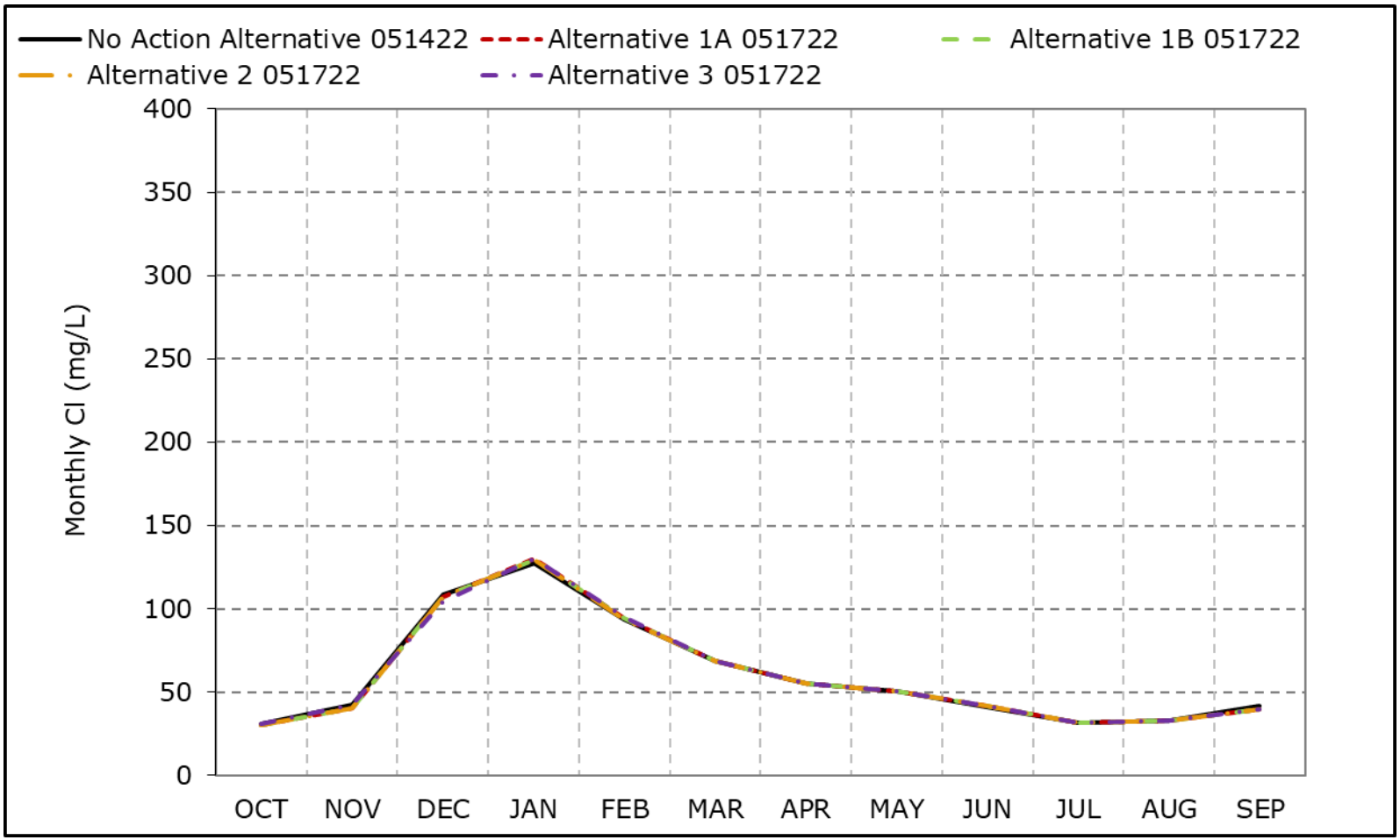
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-3-2. Banks Pumping Plant South Delta Exports, Wet Year Average Cl



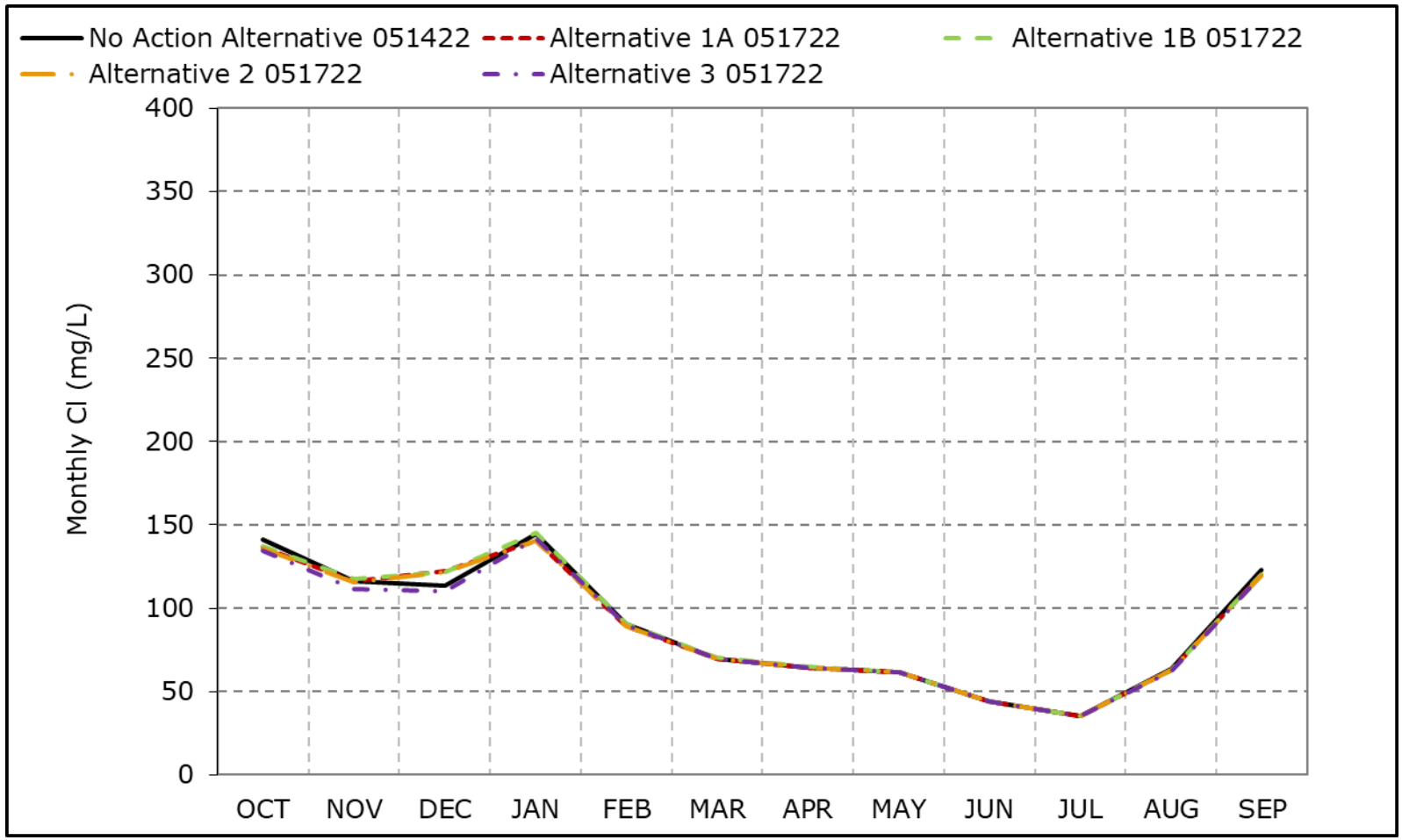
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-3-3. Banks Pumping Plant South Delta Exports, Above Normal Year Average Cl



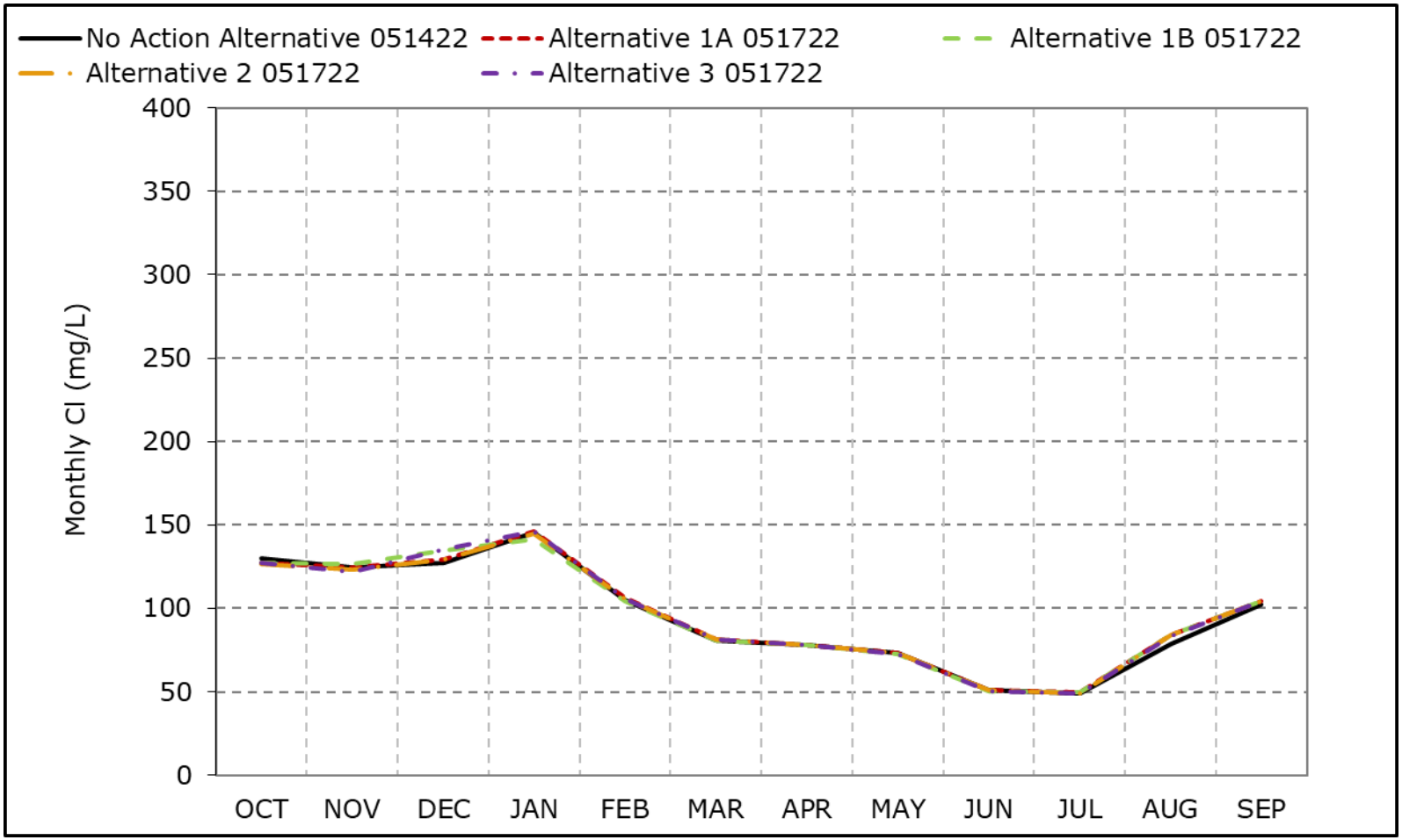
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-3-4. Banks Pumping Plant South Delta Exports, Below Normal Year Average Cl



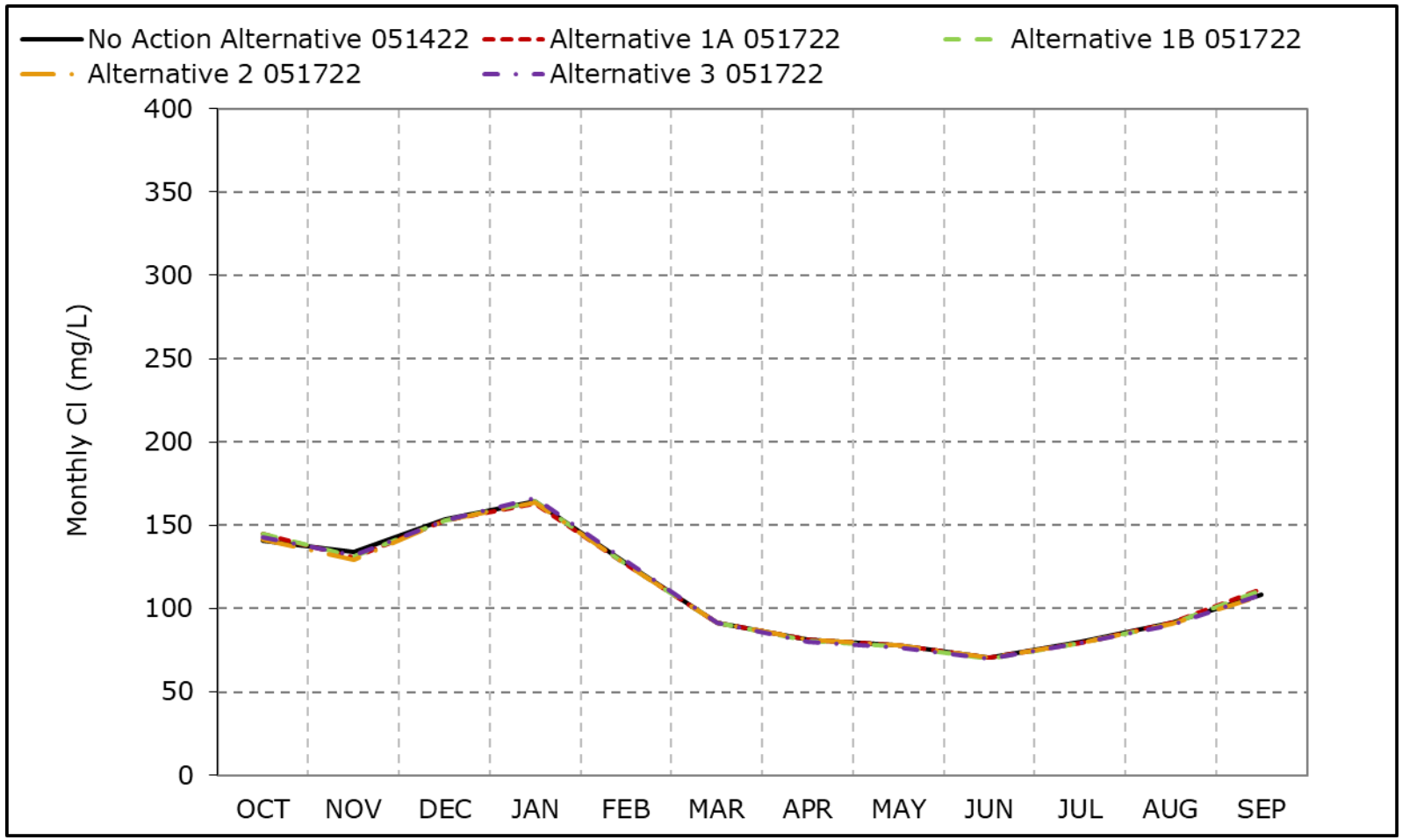
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-3-5. Banks Pumping Plant South Delta Exports, Dry Year Average Cl



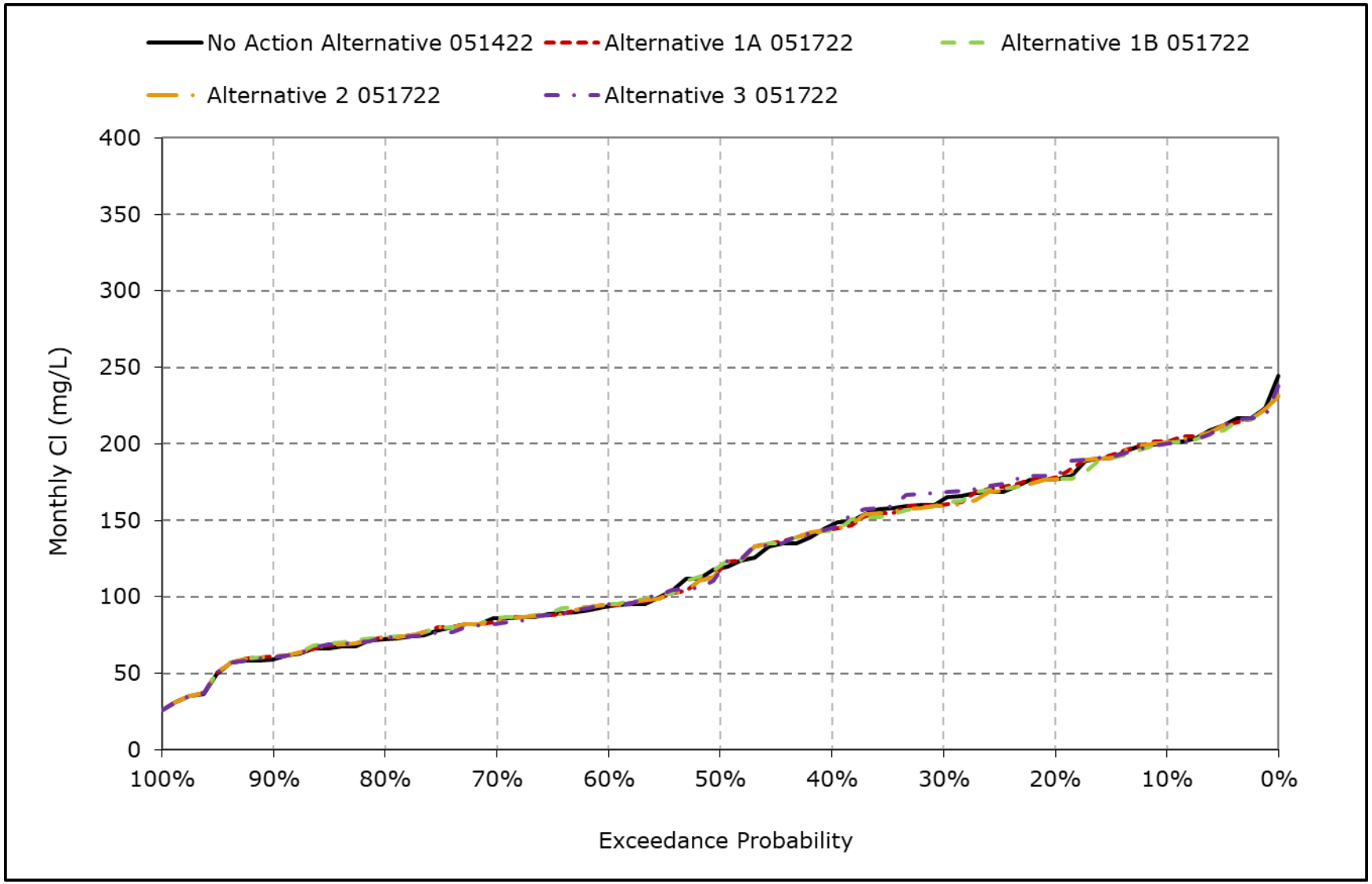
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-3-6. Banks Pumping Plant South Delta Exports, Critical Year Average Cl



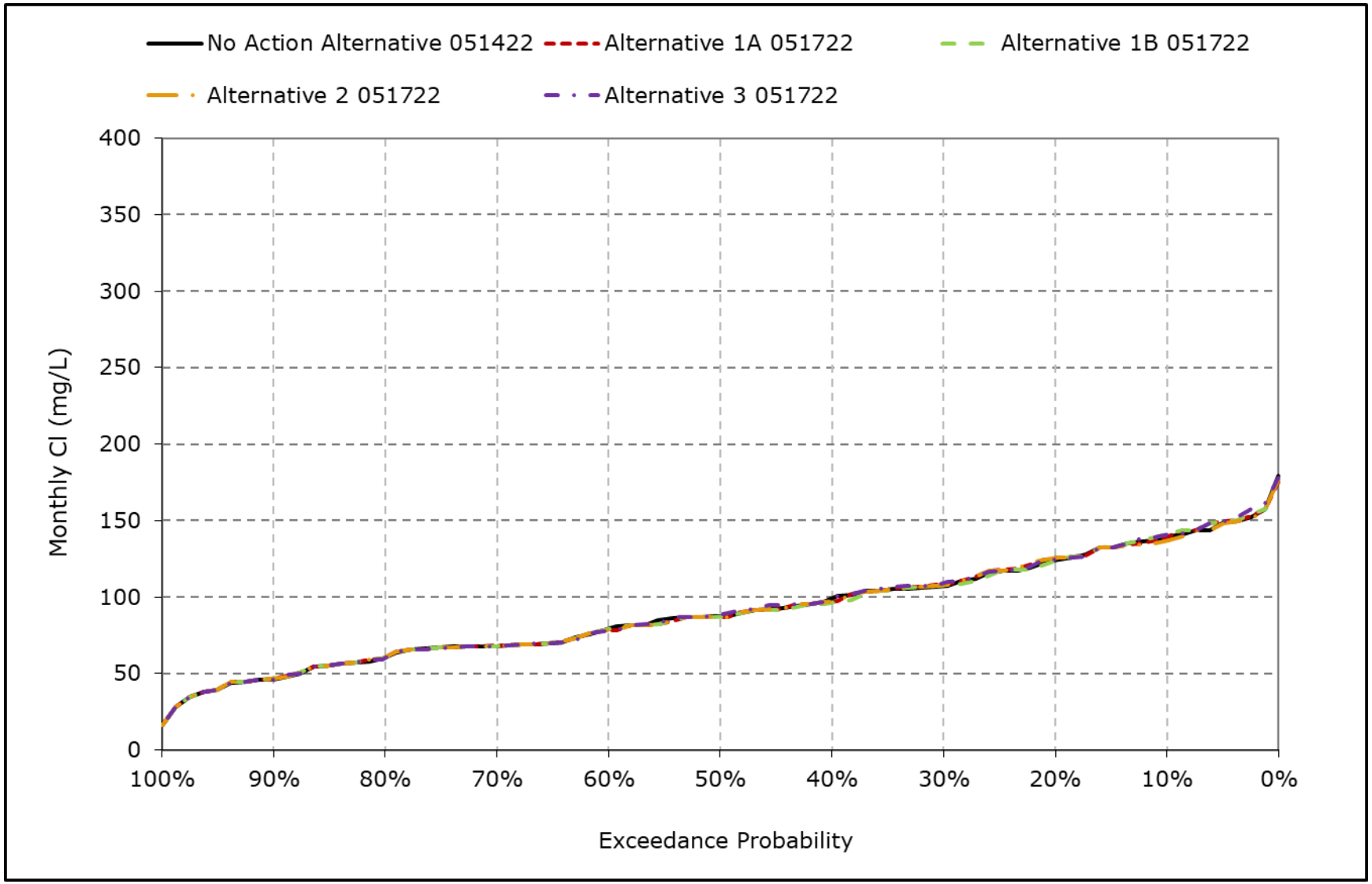
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-3-7. Banks Pumping Plant South Delta Exports Chloride, January Cl



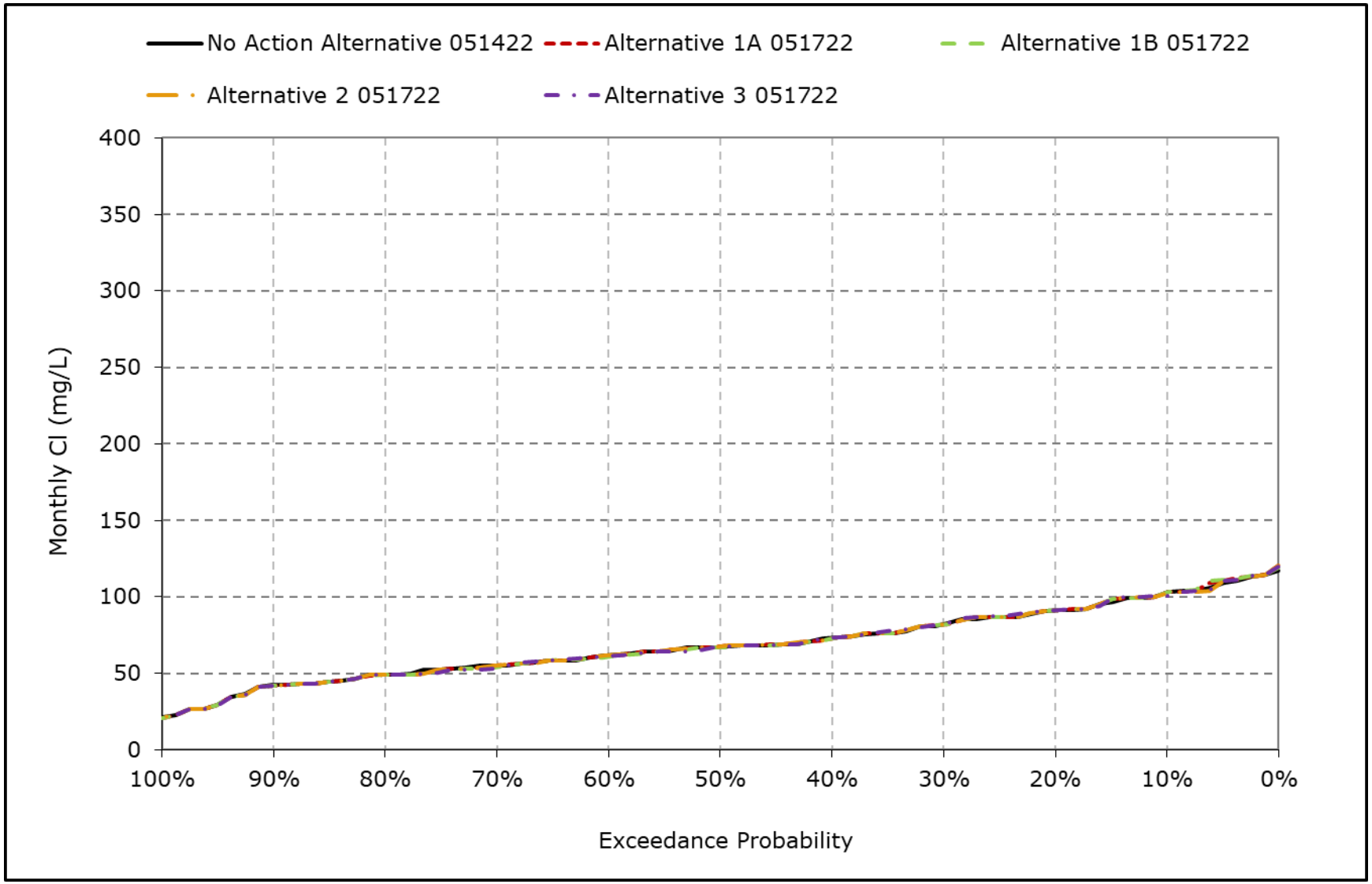
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-3-8. Banks Pumping Plant South Delta Exports Chloride, February Cl



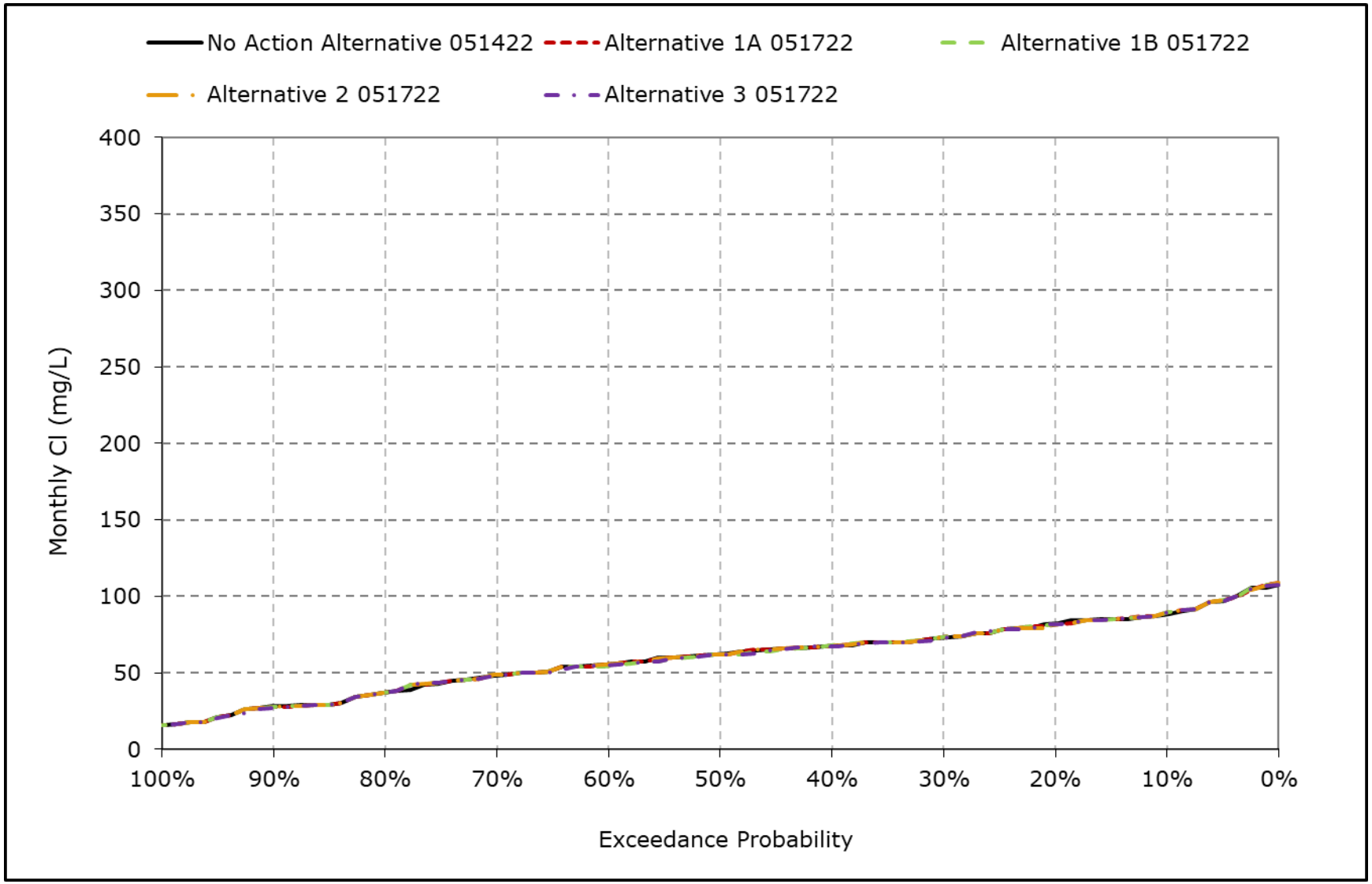
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-3-9. Banks Pumping Plant South Delta Exports Chloride, March Cl



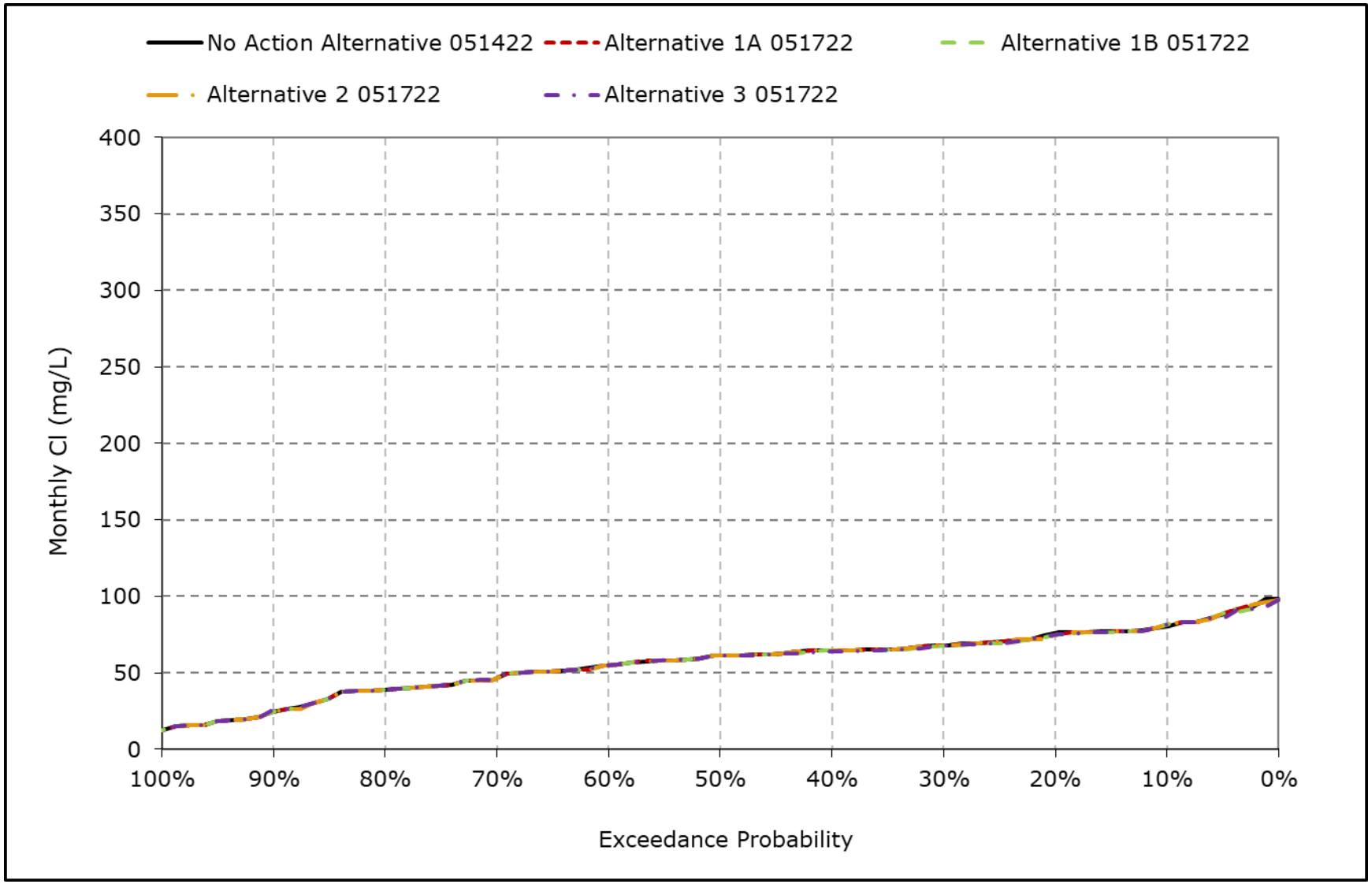
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-3-10. Banks Pumping Plant South Delta Exports Chloride, April Cl



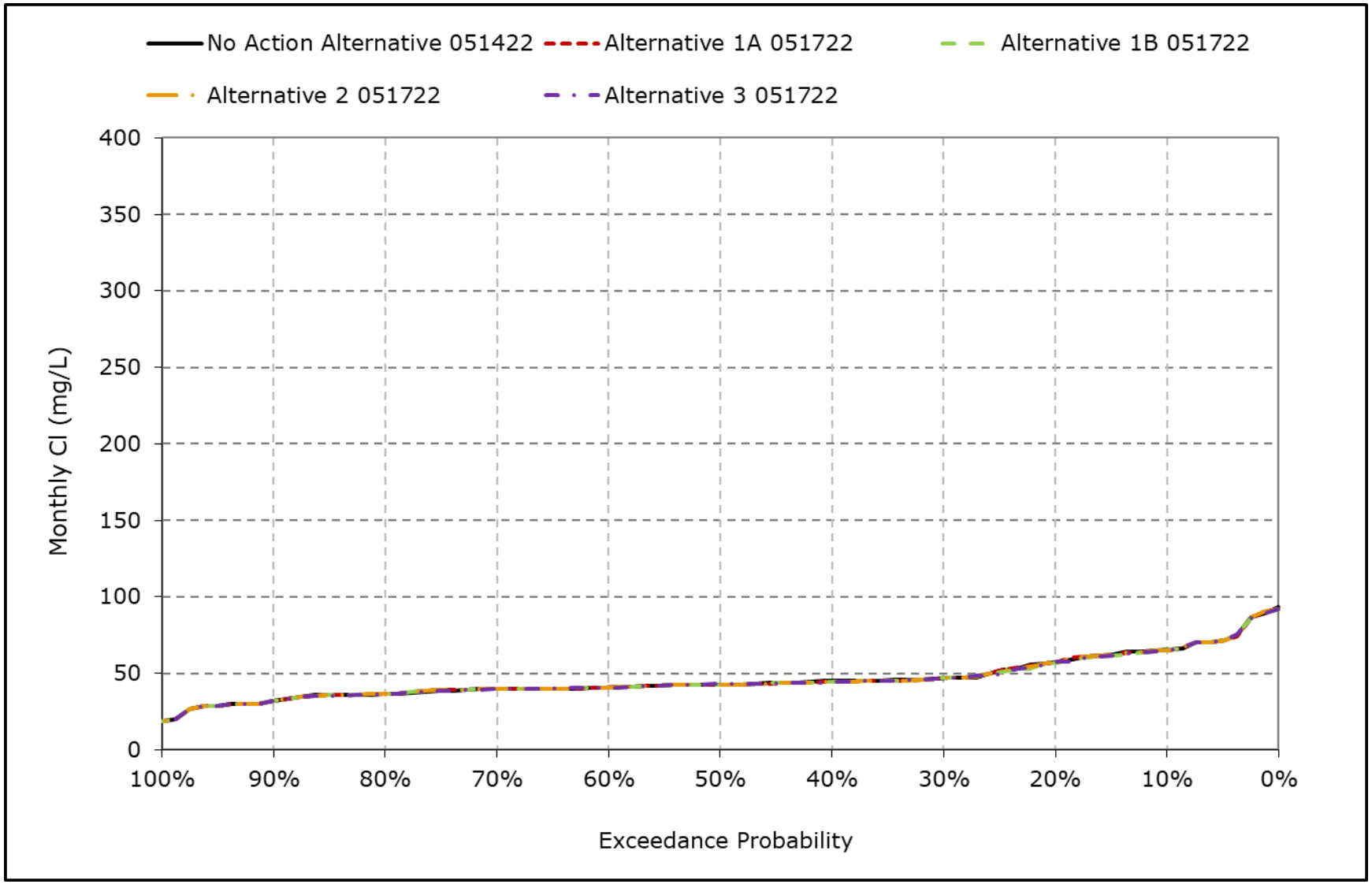
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-3-11. Banks Pumping Plant South Delta Exports Chloride, May Cl



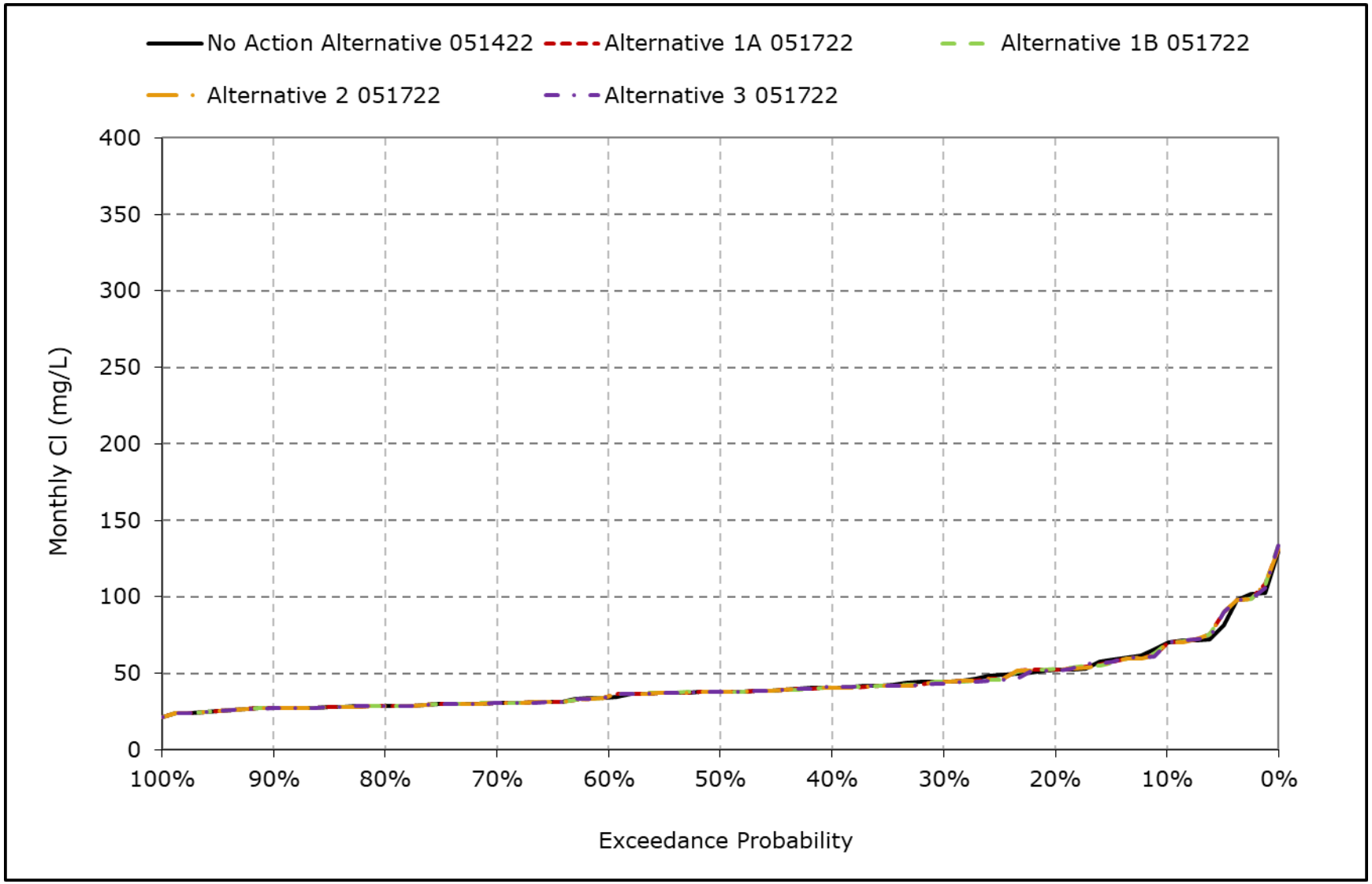
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-3-12. Banks Pumping Plant South Delta Exports Chloride, June Cl



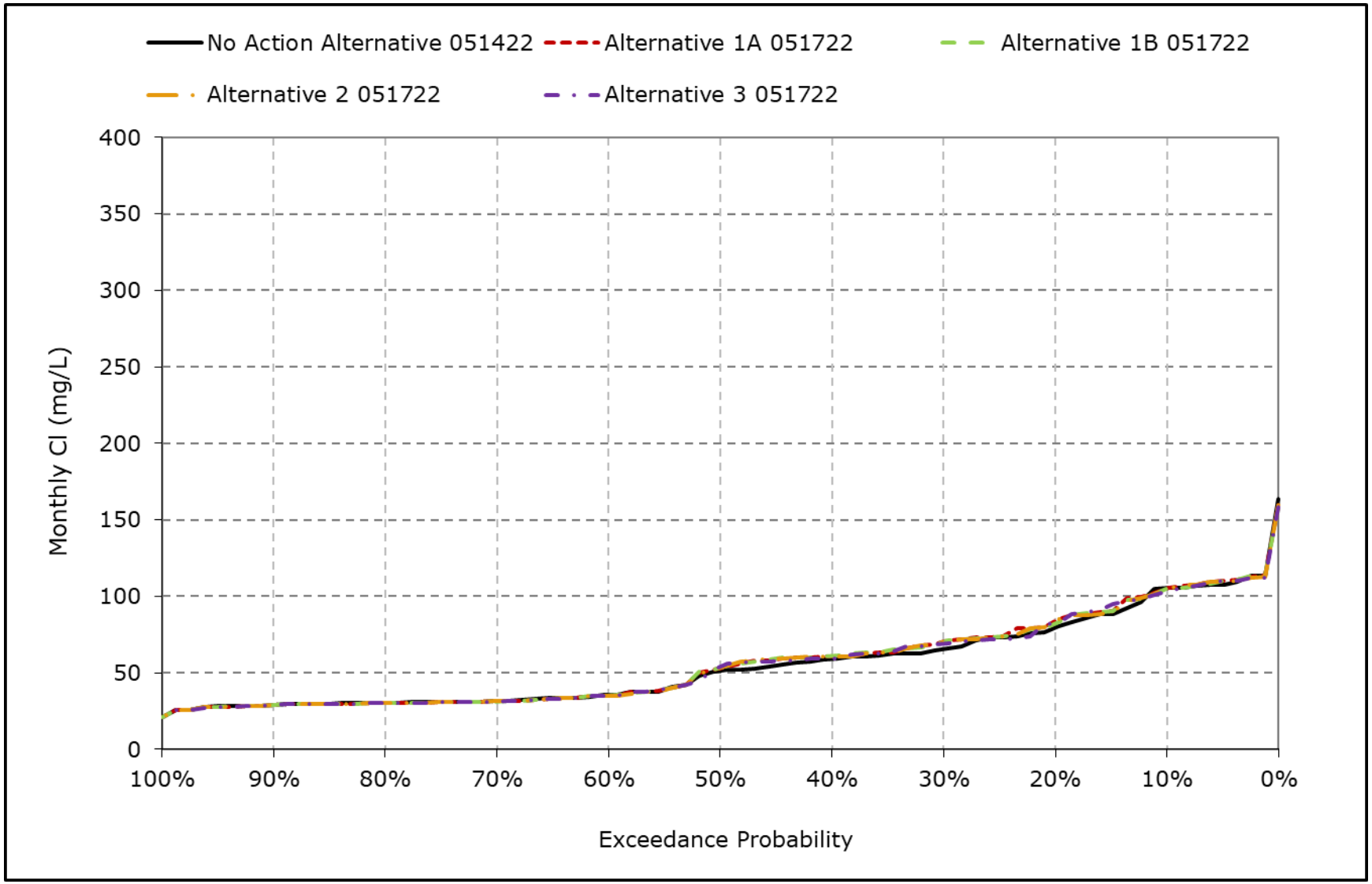
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-3-13. Banks Pumping Plant South Delta Exports Chloride, July Cl



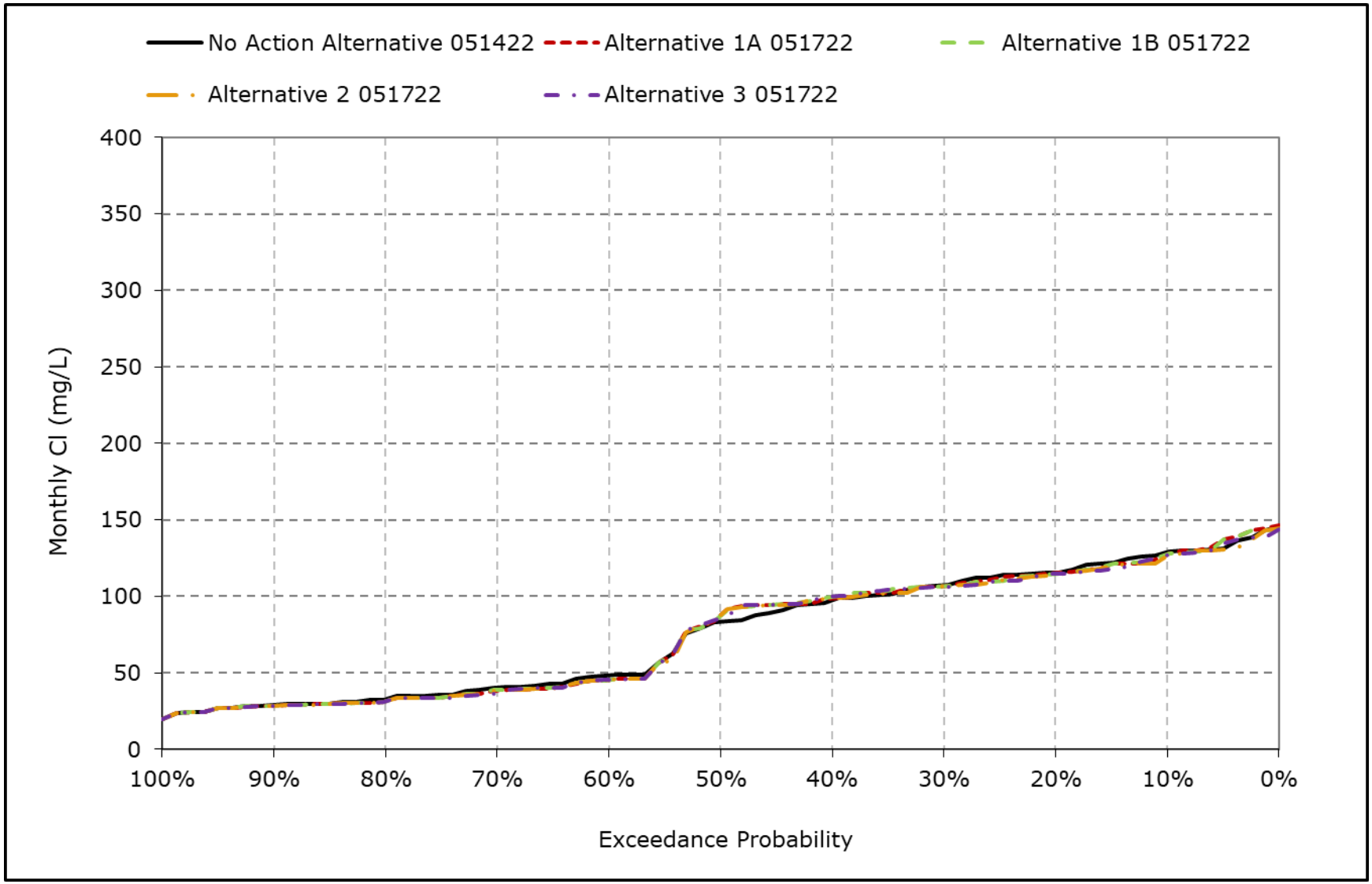
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-3-14. Banks Pumping Plant South Delta Exports Chloride, August Cl



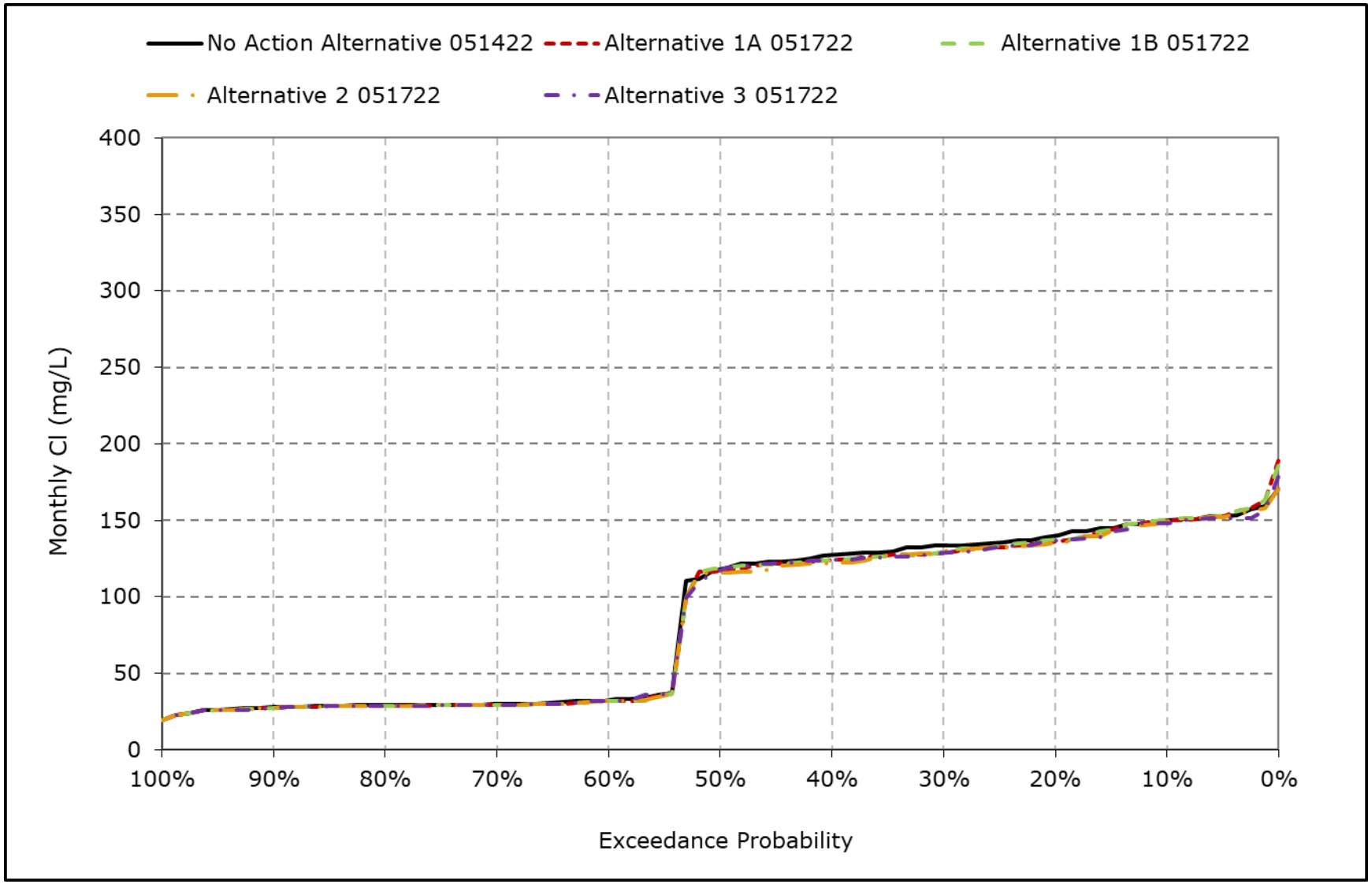
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-3-15. Banks Pumping Plant South Delta Exports Chloride, September Cl



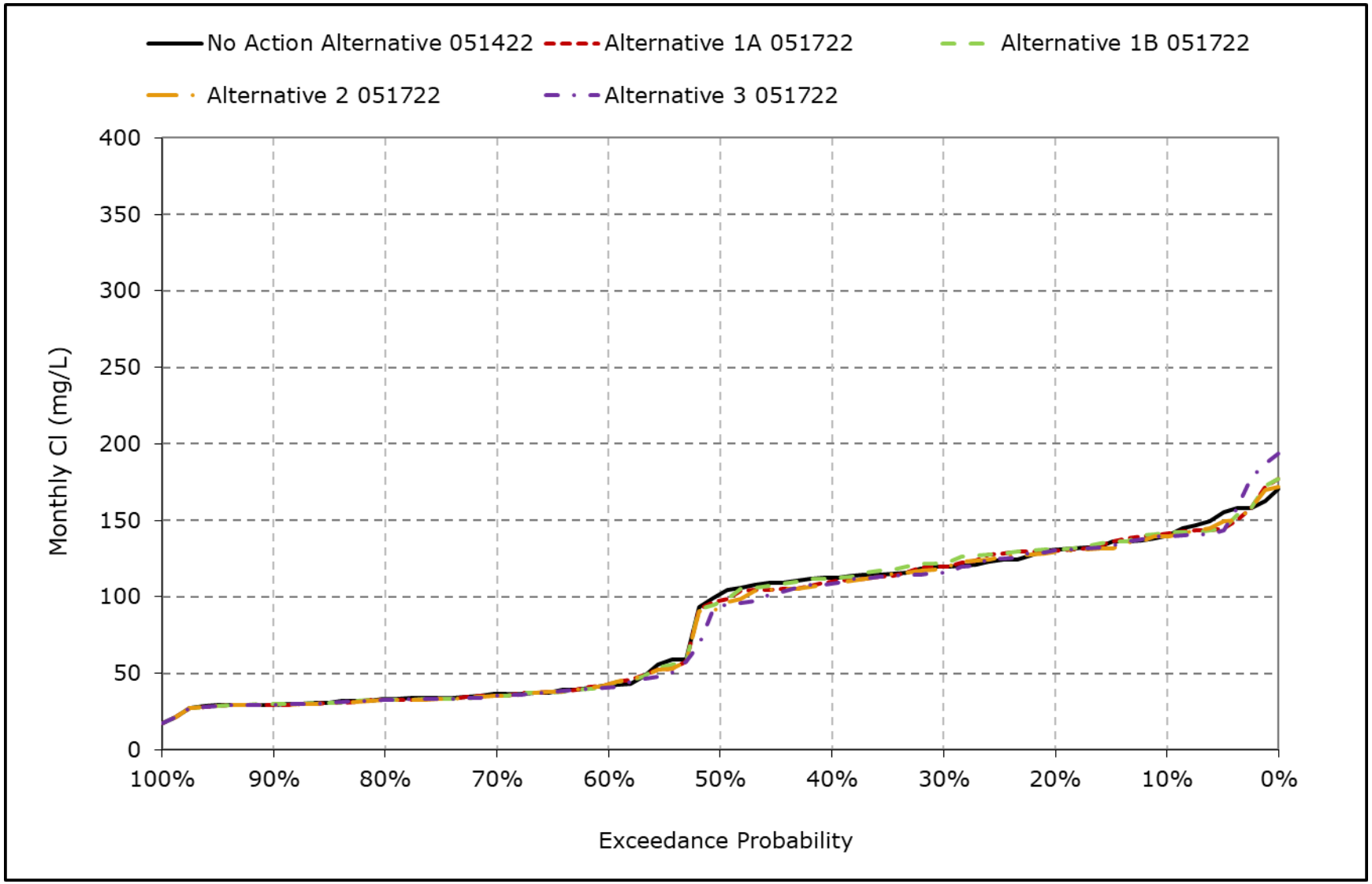
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-3-16. Banks Pumping Plant South Delta Exports Chloride, October Cl



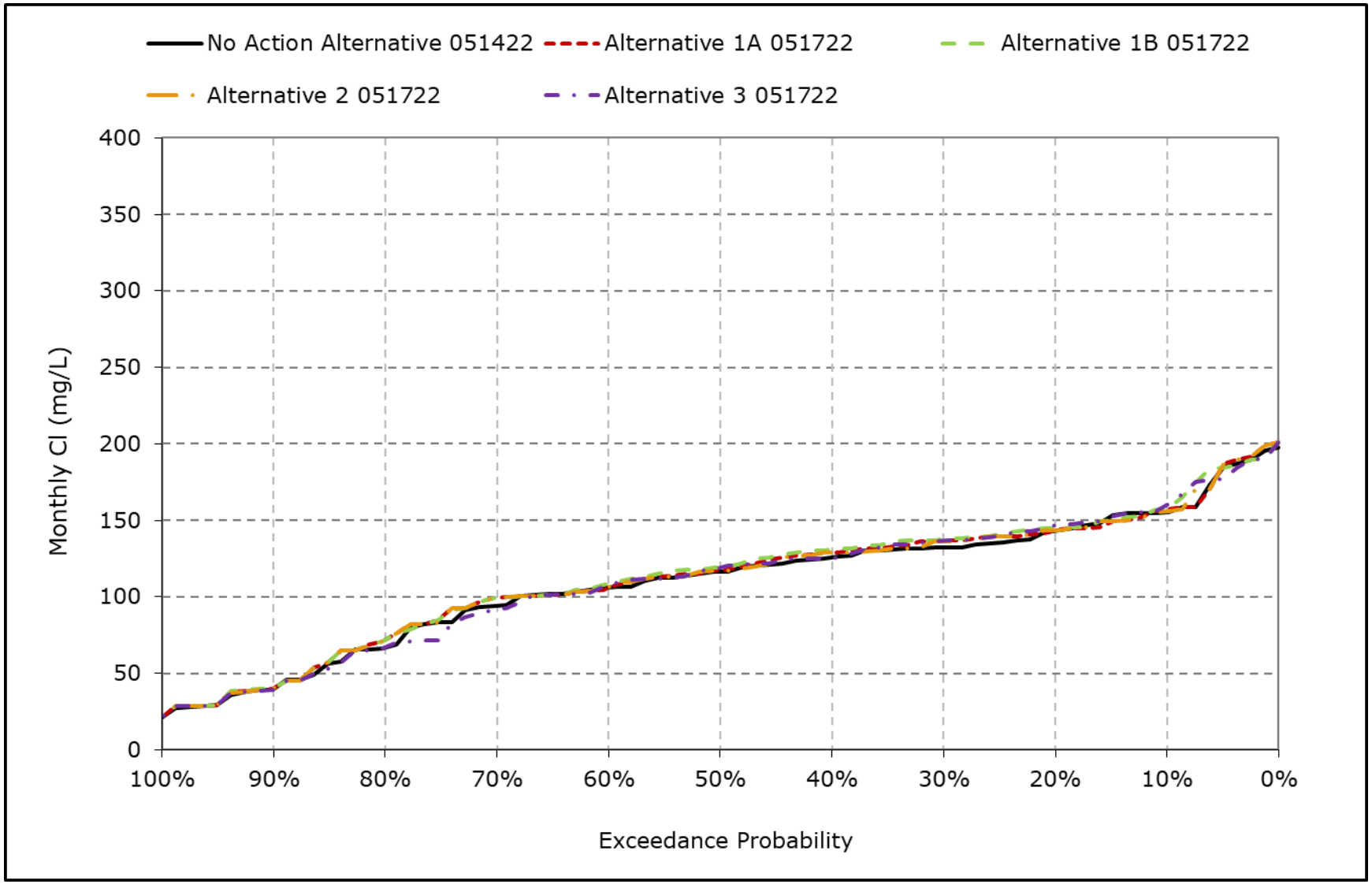
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-3-17. Banks Pumping Plant South Delta Exports Chloride, November Cl



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-3-18. Banks Pumping Plant South Delta Exports Chloride, December Cl



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Table 6B2-4-1a. Jones Pumping Plant South Delta Exports, No Action Alternative 051422, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	139	143	175	191	164	141	115	90	61	68	106	128
20% Exceedance	132	130	162	178	152	133	97	79	55	61	88	118
30% Exceedance	126	124	155	171	133	112	82	72	51	56	72	113
40% Exceedance	120	115	147	157	122	109	65	63	49	53	69	105
50% Exceedance	114	105	140	135	114	98	53	54	47	47	61	93
60% Exceedance	58	60	126	125	102	86	46	51	46	44	47	59
70% Exceedance	55	54	113	108	86	57	40	48	43	39	43	52
80% Exceedance	52	50	99	96	68	45	32	42	40	37	40	48
90% Exceedance	49	46	77	79	46	38	23	21	36	32	37	44
Full Simulation Period Average[a]	93	91	131	137	109	92	63	58	49	51	64	84
Wet Water Years (32%)	49	48	100	95	69	53	32	36	43	42	39	45
Above Normal Years (15%)	55	60	132	139	108	75	45	48	46	43	43	55
Below Normal Years (17%)	128	115	130	146	103	92	60	58	47	45	73	122
Dry Water Years (22%)	123	127	147	158	138	122	86	77	47	55	86	107
Critical Water Years (15%)	141	133	175	183	160	150	117	91	70	81	96	118

Table 6B2-4-1b. Jones Pumping Plant South Delta Exports, Alternative 1A 051722, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	140	140	178	191	162	142	117	90	61	68	109	129
20% Exceedance	131	131	165	179	152	133	97	79	55	61	91	117
30% Exceedance	124	122	155	171	132	112	82	73	51	57	77	112
40% Exceedance	118	116	149	158	122	109	65	63	49	53	70	106
50% Exceedance	111	105	141	136	114	98	53	54	47	47	62	96
60% Exceedance	58	62	127	124	103	86	46	51	45	44	46	57
70% Exceedance	54	54	116	108	84	59	40	48	43	40	43	52
80% Exceedance	52	49	99	96	68	45	32	42	40	37	40	47
90% Exceedance	48	46	78	80	46	38	23	21	36	32	37	43
Full Simulation Period Average[a]	92	91	132	137	109	92	63	58	49	51	65	84
Wet Water Years (32%)	49	48	100	96	69	53	32	36	43	42	39	45
Above Normal Years (15%)	55	59	131	140	108	75	45	48	46	43	43	54
Below Normal Years (17%)	125	117	135	144	102	92	60	58	46	45	72	119
Dry Water Years (22%)	122	128	148	159	139	122	86	76	46	56	91	108
Critical Water Years (15%)	141	131	174	181	160	150	117	91	69	81	97	120

Table 6B2-4-1c. Jones Pumping Plant South Delta Exports, Alternative 1A 051722 minus No Action Alternative 051422, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	-3	4	0	-2	1	1	0	0	0	2	1
20% Exceedance	-1	1	3	1	0	0	0	0	0	1	3	-1
30% Exceedance	-1	-2	0	0	-1	0	0	0	0	1	5	-1
40% Exceedance	-2	1	2	0	0	0	0	0	0	0	1	1
50% Exceedance	-2	0	1	1	0	0	0	0	0	0	1	2
60% Exceedance	-1	2	1	-1	0	0	0	0	-1	0	0	-2
70% Exceedance	0	-1	2	0	-2	1	0	0	0	0	0	-1
80% Exceedance	0	-1	-1	0	0	0	0	0	0	0	0	-1
90% Exceedance	-1	0	1	0	0	0	0	0	0	0	0	-1
Full Simulation Period Average[a]	-1	0	1	0	0	0	0	0	0	0	1	0
Wet Water Years (32%)	-1	0	0	1	0	0	0	0	0	0	0	-1
Above Normal Years (15%)	-1	-2	0	1	0	0	0	0	0	0	0	-1
Below Normal Years (17%)	-3	2	5	-3	0	0	0	0	0	0	0	-2
Dry Water Years (22%)	-1	1	1	1	1	0	0	0	0	2	4	1
Critical Water Years (15%)	0	-3	0	-2	0	0	0	0	0	-1	1	2

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 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 6B2-4-2a. Jones Pumping Plant South Delta Exports, No Action Alternative 051422, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	139	143	175	191	164	141	115	90	61	68	106	128
20% Exceedance	132	130	162	178	152	133	97	79	55	61	88	118
30% Exceedance	126	124	155	171	133	112	82	72	51	56	72	113
40% Exceedance	120	115	147	157	122	109	65	63	49	53	69	105
50% Exceedance	114	105	140	135	114	98	53	54	47	47	61	93
60% Exceedance	58	60	126	125	102	86	46	51	46	44	47	59
70% Exceedance	55	54	113	108	86	57	40	48	43	39	43	52
80% Exceedance	52	50	99	96	68	45	32	42	40	37	40	48
90% Exceedance	49	46	77	79	46	38	23	21	36	32	37	44
Full Simulation Period Average[a]	93	91	131	137	109	92	63	58	49	51	64	84
Wet Water Years (32%)	49	48	100	95	69	53	32	36	43	42	39	45
Above Normal Years (15%)	55	60	132	139	108	75	45	48	46	43	43	55
Below Normal Years (17%)	128	115	130	146	103	92	60	58	47	45	73	122
Dry Water Years (22%)	123	127	147	158	138	122	86	77	47	55	86	107
Critical Water Years (15%)	141	133	175	183	160	150	117	91	70	81	96	118

Table 6B2-4-2b. Jones Pumping Plant South Delta Exports, Alternative 1B 051722, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	139	140	176	189	163	142	116	89	61	68	108	129
20% Exceedance	132	132	162	178	147	131	97	79	55	61	90	117
30% Exceedance	124	126	157	170	133	111	82	73	51	57	77	111
40% Exceedance	118	115	149	152	122	109	65	63	49	53	71	106
50% Exceedance	112	102	143	137	114	97	53	54	47	47	62	95
60% Exceedance	58	60	128	125	103	85	46	51	45	44	46	57
70% Exceedance	54	54	116	110	86	58	40	48	43	40	43	52
80% Exceedance	52	50	99	96	68	45	32	42	40	37	40	47
90% Exceedance	48	46	79	80	46	38	23	21	36	32	37	43
Full Simulation Period Average[a]	92	91	132	137	109	92	63	58	49	52	65	84
Wet Water Years (32%)	49	48	100	96	69	53	32	36	43	42	39	45
Above Normal Years (15%)	55	59	131	140	108	75	45	48	46	43	43	54
Below Normal Years (17%)	125	116	134	146	103	92	60	58	47	45	72	120
Dry Water Years (22%)	122	130	149	156	138	122	86	75	46	57	91	108
Critical Water Years (15%)	141	131	174	182	160	146	117	91	69	81	96	120

Table 6B2-4-2c. Jones Pumping Plant South Delta Exports, Alternative 1B 051722 minus No Action Alternative 051422, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	-3	1	-1	-1	1	1	0	0	1	2	1
20% Exceedance	0	3	0	0	-5	-2	0	0	0	1	3	-1
30% Exceedance	-2	2	2	0	0	-1	0	0	0	1	5	-2
40% Exceedance	-2	0	2	-5	0	0	0	0	0	0	1	1
50% Exceedance	-1	-2	3	2	0	-1	0	0	0	0	1	2
60% Exceedance	-1	1	1	0	0	-2	0	0	-1	0	0	-2
70% Exceedance	0	-1	2	1	0	1	0	0	0	1	0	0
80% Exceedance	0	0	-1	0	0	0	0	0	0	0	-1	-1
90% Exceedance	-1	0	2	0	0	0	0	0	0	0	0	-1
Full Simulation Period Average[a]	-1	0	1	0	0	-1	0	0	0	0	1	0
Wet Water Years (32%)	-1	0	0	1	0	0	0	0	0	0	0	-1
Above Normal Years (15%)	-1	-1	-1	1	0	0	0	0	0	0	0	-1
Below Normal Years (17%)	-2	1	5	0	0	0	0	0	0	0	-1	-2
Dry Water Years (22%)	-1	3	2	-3	0	0	0	-1	-1	2	4	1
Critical Water Years (15%)	0	-2	0	-1	0	-4	0	-1	0	0	1	2

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 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 6B2-4-3a. Jones Pumping Plant South Delta Exports, No Action Alternative 051422, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	139	143	175	191	164	141	115	90	61	68	106	128
20% Exceedance	132	130	162	178	152	133	97	79	55	61	88	118
30% Exceedance	126	124	155	171	133	112	82	72	51	56	72	113
40% Exceedance	120	115	147	157	122	109	65	63	49	53	69	105
50% Exceedance	114	105	140	135	114	98	53	54	47	47	61	93
60% Exceedance	58	60	126	125	102	86	46	51	46	44	47	59
70% Exceedance	55	54	113	108	86	57	40	48	43	39	43	52
80% Exceedance	52	50	99	96	68	45	32	42	40	37	40	48
90% Exceedance	49	46	77	79	46	38	23	21	36	32	37	44
Full Simulation Period Average[a]	93	91	131	137	109	92	63	58	49	51	64	84
Wet Water Years (32%)	49	48	100	95	69	53	32	36	43	42	39	45
Above Normal Years (15%)	55	60	132	139	108	75	45	48	46	43	43	55
Below Normal Years (17%)	128	115	130	146	103	92	60	58	47	45	73	122
Dry Water Years (22%)	123	127	147	158	138	122	86	77	47	55	86	107
Critical Water Years (15%)	141	133	175	183	160	150	117	91	70	81	96	118

Table 6B2-4-3b. Jones Pumping Plant South Delta Exports, Alternative 2 051722, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	138	140	176	191	162	142	117	90	61	68	109	123
20% Exceedance	131	130	166	178	152	133	97	79	56	61	91	117
30% Exceedance	123	122	155	170	132	112	82	72	51	57	77	109
40% Exceedance	117	116	149	157	122	109	65	63	49	53	70	106
50% Exceedance	110	101	140	136	114	98	53	54	47	47	62	95
60% Exceedance	57	61	128	124	103	86	46	51	45	44	46	57
70% Exceedance	54	54	116	108	84	58	40	48	43	40	43	52
80% Exceedance	52	49	99	96	68	45	32	42	40	37	40	47
90% Exceedance	48	46	78	80	46	38	23	21	36	32	37	43
Full Simulation Period Average[a]	91	91	132	137	109	92	63	58	49	51	65	83
Wet Water Years (32%)	49	48	100	96	69	53	32	36	43	42	39	45
Above Normal Years (15%)	55	59	131	140	108	75	45	48	46	43	43	54
Below Normal Years (17%)	124	117	134	143	102	92	60	58	46	45	72	119
Dry Water Years (22%)	121	127	148	158	138	122	86	76	46	56	90	108
Critical Water Years (15%)	138	129	175	182	160	150	117	91	69	81	96	117

Table 6B2-4-3c. Jones Pumping Plant South Delta Exports, Alternative 2 051722 minus No Action Alternative 051422, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2	-3	1	0	-2	1	1	0	0	0	2	-5
20% Exceedance	-1	1	4	0	0	0	0	0	0	1	3	-1
30% Exceedance	-2	-2	0	-1	-1	0	0	0	0	1	5	-3
40% Exceedance	-3	1	2	0	0	0	0	0	0	0	1	1
50% Exceedance	-3	-4	1	1	0	0	0	0	0	0	1	2
60% Exceedance	-1	1	1	-1	0	0	0	0	-1	0	0	-2
70% Exceedance	-1	-1	2	0	-2	1	0	0	0	0	0	-1
80% Exceedance	0	-1	-1	0	0	0	0	0	0	0	0	-1
90% Exceedance	-1	0	1	0	0	0	0	0	0	0	0	-1
Full Simulation Period Average[a]	-2	-1	1	0	0	0	0	0	0	0	1	-1
Wet Water Years (32%)	-1	0	0	1	0	0	0	0	0	0	0	-1
Above Normal Years (15%)	-1	-2	-1	1	0	0	0	0	0	0	0	-2
Below Normal Years (17%)	-4	1	5	-3	0	0	0	0	0	0	0	-3
Dry Water Years (22%)	-1	0	1	0	0	0	0	0	0	2	4	1
Critical Water Years (15%)	-3	-4	0	-1	0	0	0	0	0	-1	0	-1

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 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 6B2-4-4a. Jones Pumping Plant South Delta Exports, No Action Alternative 051422, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	139	143	175	191	164	141	115	90	61	68	106	128
20% Exceedance	132	130	162	178	152	133	97	79	55	61	88	118
30% Exceedance	126	124	155	171	133	112	82	72	51	56	72	113
40% Exceedance	120	115	147	157	122	109	65	63	49	53	69	105
50% Exceedance	114	105	140	135	114	98	53	54	47	47	61	93
60% Exceedance	58	60	126	125	102	86	46	51	46	44	47	59
70% Exceedance	55	54	113	108	86	57	40	48	43	39	43	52
80% Exceedance	52	50	99	96	68	45	32	42	40	37	40	48
90% Exceedance	49	46	77	79	46	38	23	21	36	32	37	44
Full Simulation Period Average[a]	93	91	131	137	109	92	63	58	49	51	64	84
Wet Water Years (32%)	49	48	100	95	69	53	32	36	43	42	39	45
Above Normal Years (15%)	55	60	132	139	108	75	45	48	46	43	43	55
Below Normal Years (17%)	128	115	130	146	103	92	60	58	47	45	73	122
Dry Water Years (22%)	123	127	147	158	138	122	86	77	47	55	86	107
Critical Water Years (15%)	141	133	175	183	160	150	117	91	70	81	96	118

Table 6B2-4-4b. Jones Pumping Plant South Delta Exports, Alternative 3 051722, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	140	139	177	192	163	142	115	89	61	69	108	129
20% Exceedance	128	132	161	184	152	132	98	79	55	61	90	117
30% Exceedance	124	119	155	172	134	112	81	72	51	57	78	112
40% Exceedance	118	112	148	158	123	109	65	63	49	52	70	106
50% Exceedance	110	102	138	137	114	97	53	54	47	47	62	97
60% Exceedance	57	59	127	124	103	83	46	51	45	44	46	57
70% Exceedance	54	52	113	108	83	59	40	48	43	40	43	52
80% Exceedance	52	49	95	96	68	45	32	42	40	36	40	47
90% Exceedance	48	46	78	80	47	38	24	21	36	32	37	43
Full Simulation Period Average[a]	92	90	131	137	109	92	63	58	48	51	65	83
Wet Water Years (32%)	49	48	100	96	69	53	32	36	43	42	39	45
Above Normal Years (15%)	54	60	129	140	109	75	45	48	46	42	43	54
Below Normal Years (17%)	122	112	127	144	103	91	60	58	47	45	71	119
Dry Water Years (22%)	122	126	150	159	138	122	86	75	46	56	90	108
Critical Water Years (15%)	140	131	174	184	161	146	116	91	69	81	96	118

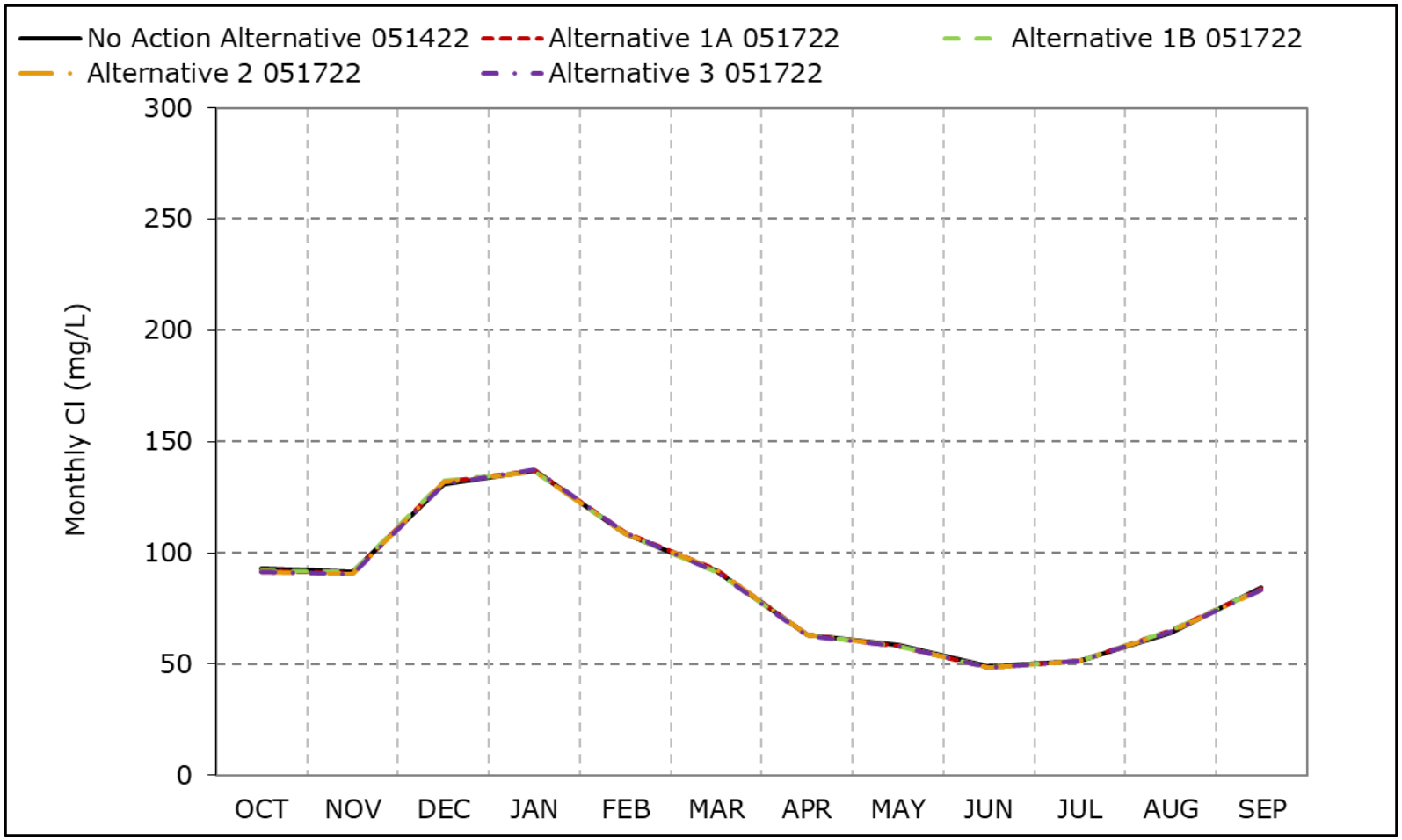
Table 6B2-4-4c. Jones Pumping Plant South Delta Exports, Alternative 3 051722 minus No Action Alternative 051422, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	-4	3	2	-1	1	0	-1	0	1	2	1
20% Exceedance	-4	2	-1	5	0	-1	0	0	0	1	2	-1
30% Exceedance	-2	-5	0	1	1	-1	0	0	0	1	5	-1
40% Exceedance	-2	-3	1	0	1	0	0	0	0	0	1	1
50% Exceedance	-3	-2	-2	2	0	-1	0	0	0	0	1	3
60% Exceedance	-1	-1	1	-1	0	-4	0	0	-1	0	0	-3
70% Exceedance	-1	-2	0	0	-3	2	0	0	0	1	0	0
80% Exceedance	0	-1	-4	0	0	0	0	0	0	-1	-1	-1
90% Exceedance	-1	0	0	0	1	0	1	0	0	0	0	-1
Full Simulation Period Average[a]	-2	-1	0	0	0	-1	0	0	0	0	1	-1
Wet Water Years (32%)	-1	0	0	0	0	0	0	0	0	0	0	-1
Above Normal Years (15%)	-1	0	-3	2	1	0	0	0	0	-1	-1	-2
Below Normal Years (17%)	-5	-4	-3	-2	0	0	0	0	0	0	-1	-3
Dry Water Years (22%)	-1	-1	3	1	0	0	0	-1	-1	2	4	1
Critical Water Years (15%)	-1	-2	-1	1	1	-4	0	-1	0	0	0	0

[a] Based on the 82-year simulation period.

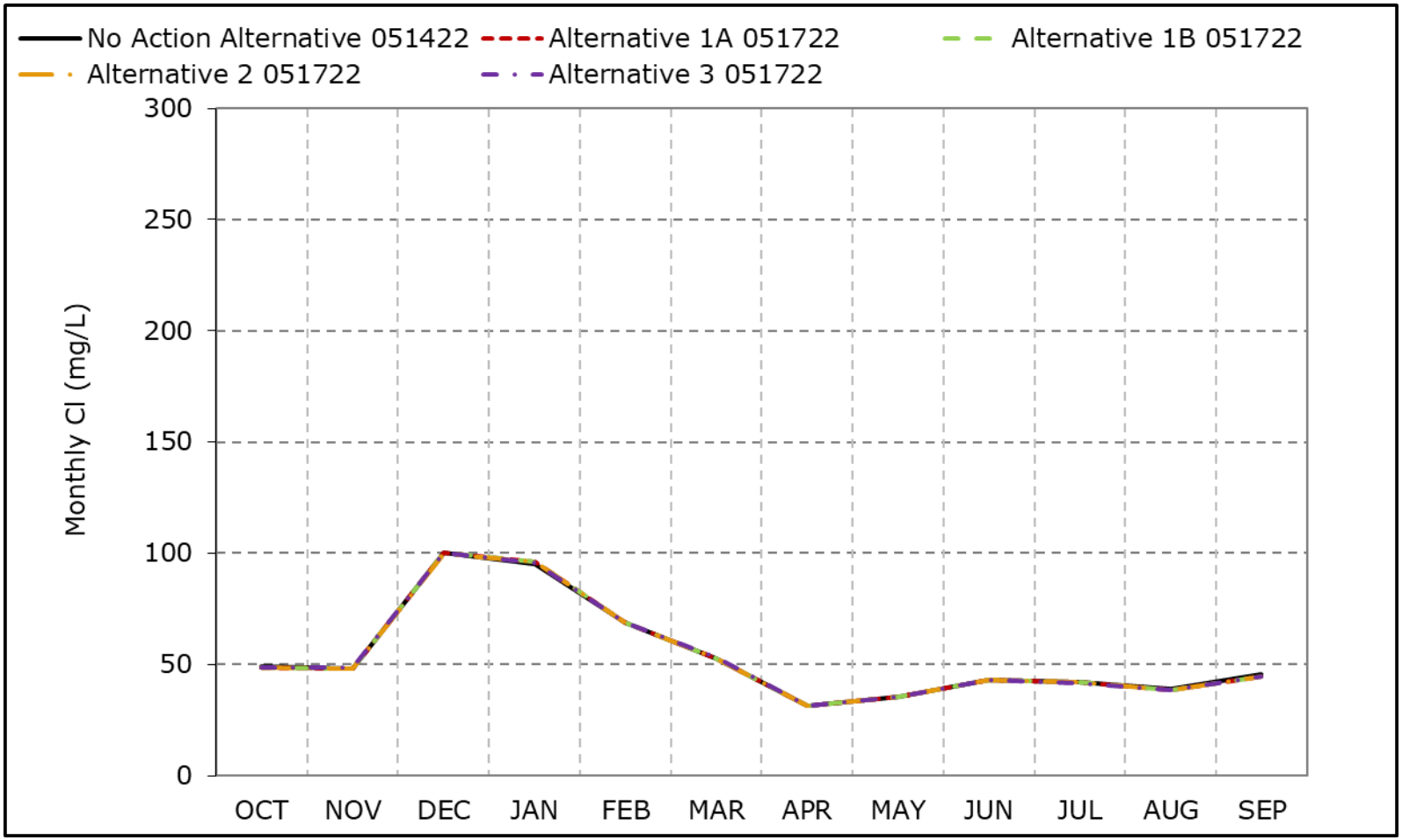
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with calendar year - year type sorting.

Figure 6B2-4-1. Jones Pumping Plant South Delta Exports, Long-Term Average Cl



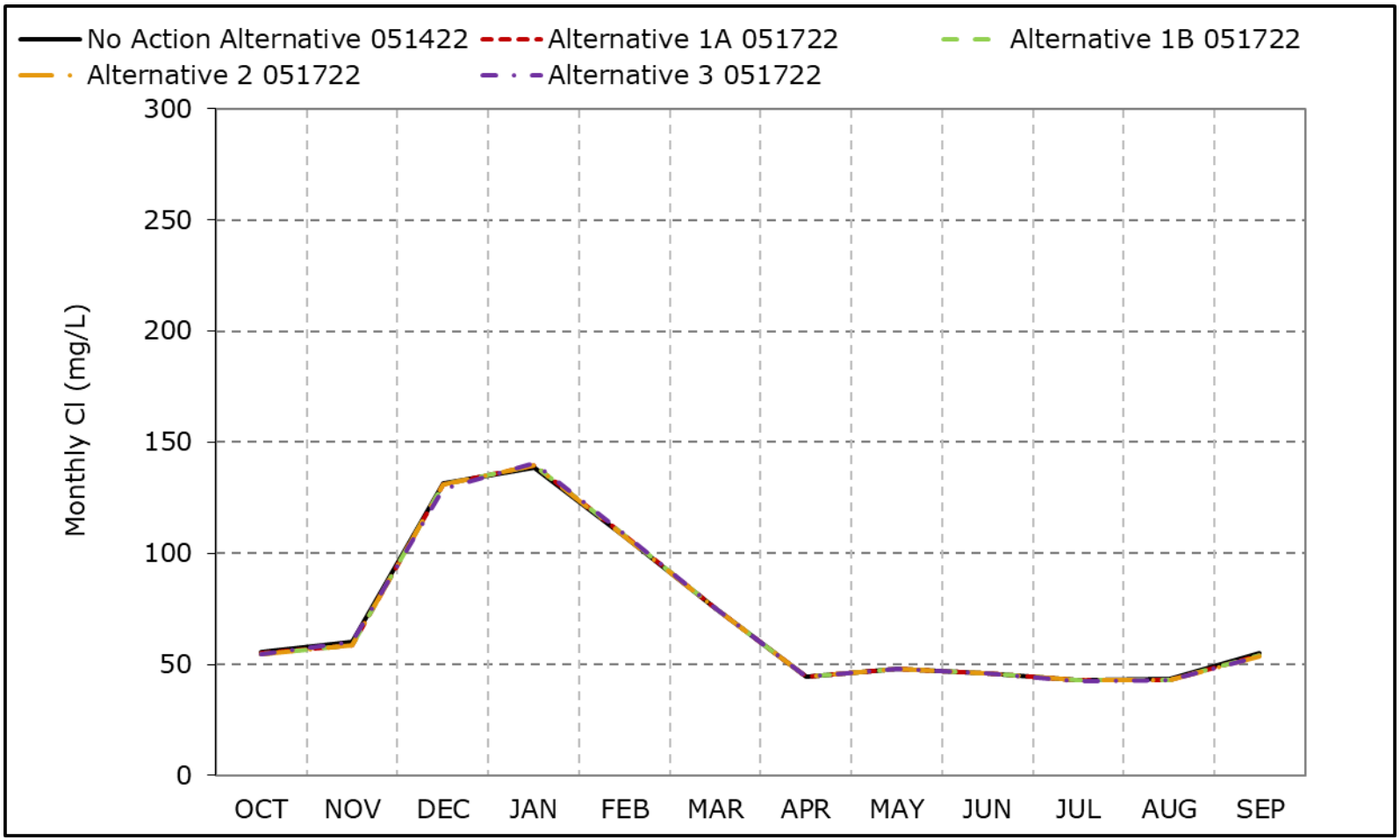
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-4-2. Jones Pumping Plant South Delta Exports, Wet Year Average Cl



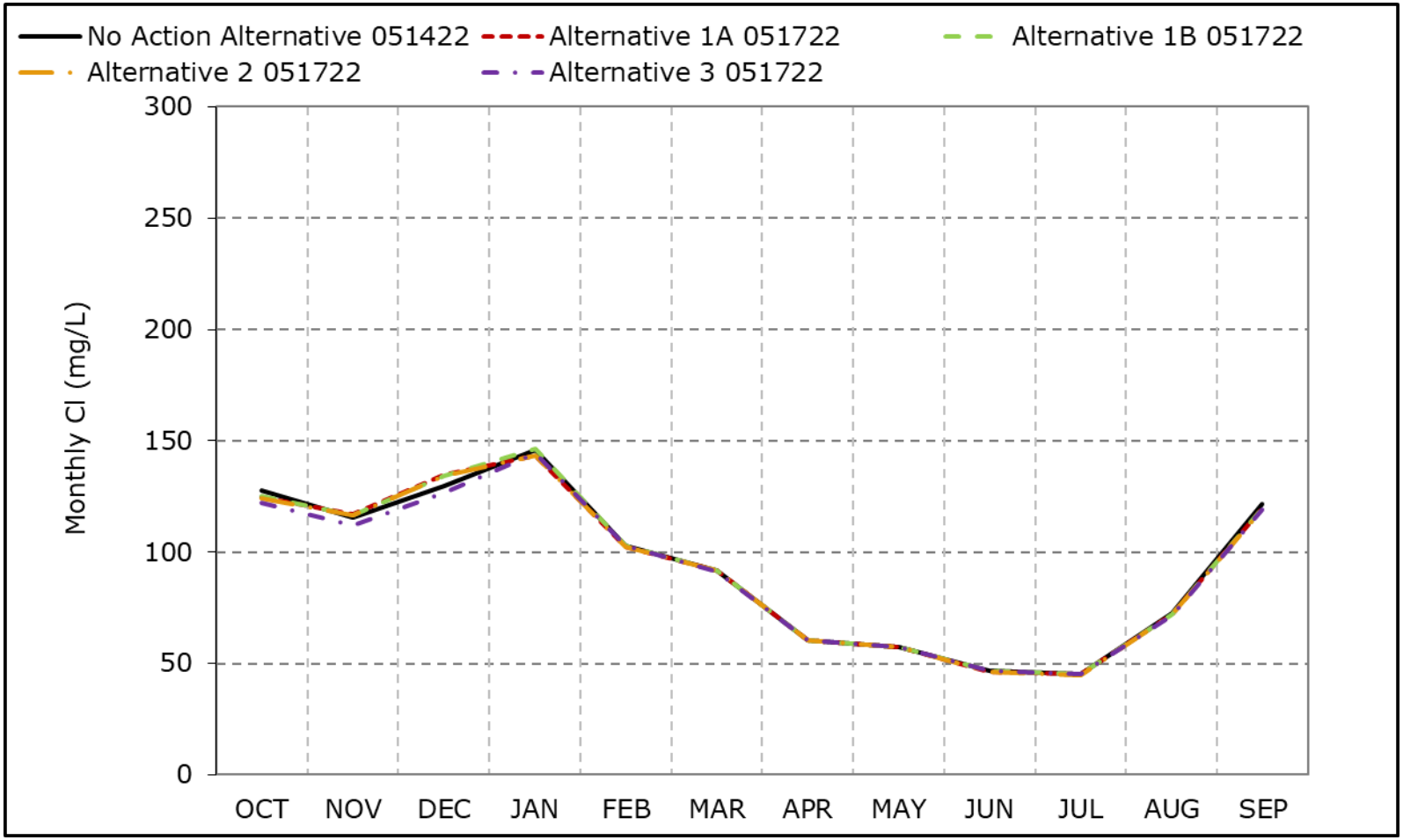
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-4-3. Jones Pumping Plant South Delta Exports, Above Normal Year Average Cl



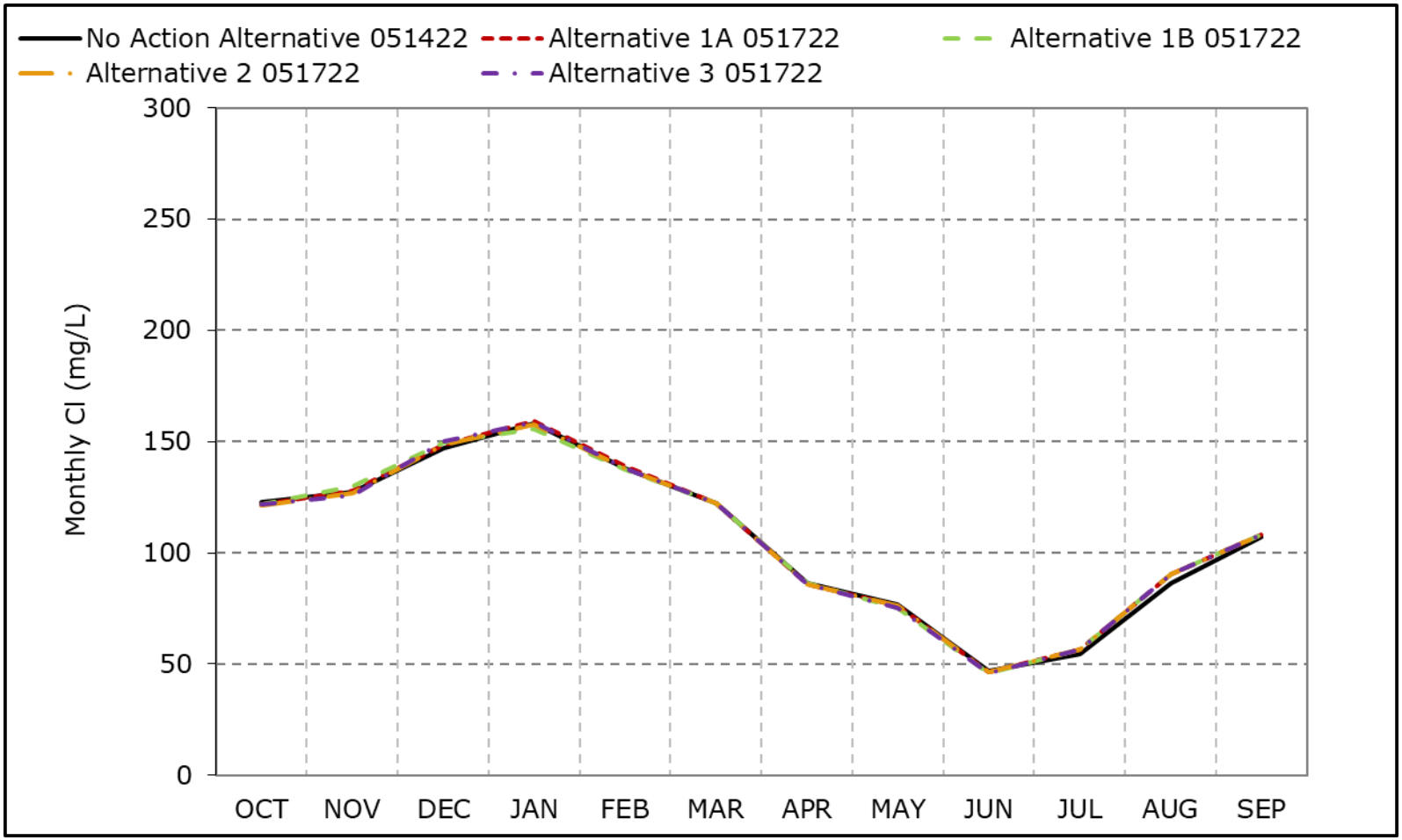
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-4-4. Jones Pumping Plant South Delta Exports, Below Normal Year Average Cl



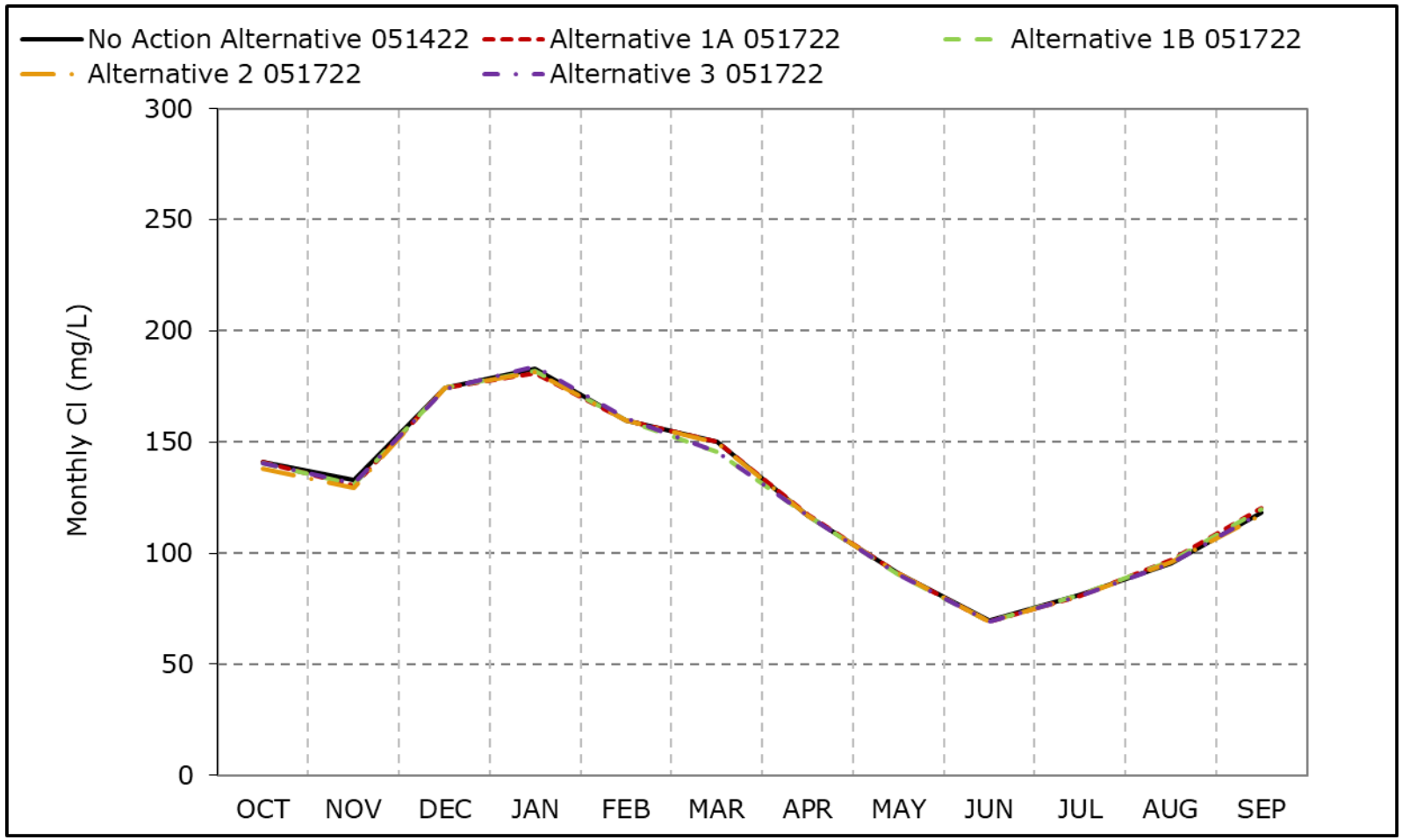
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-4-5. Jones Pumping Plant South Delta Exports, Dry Year Average Cl



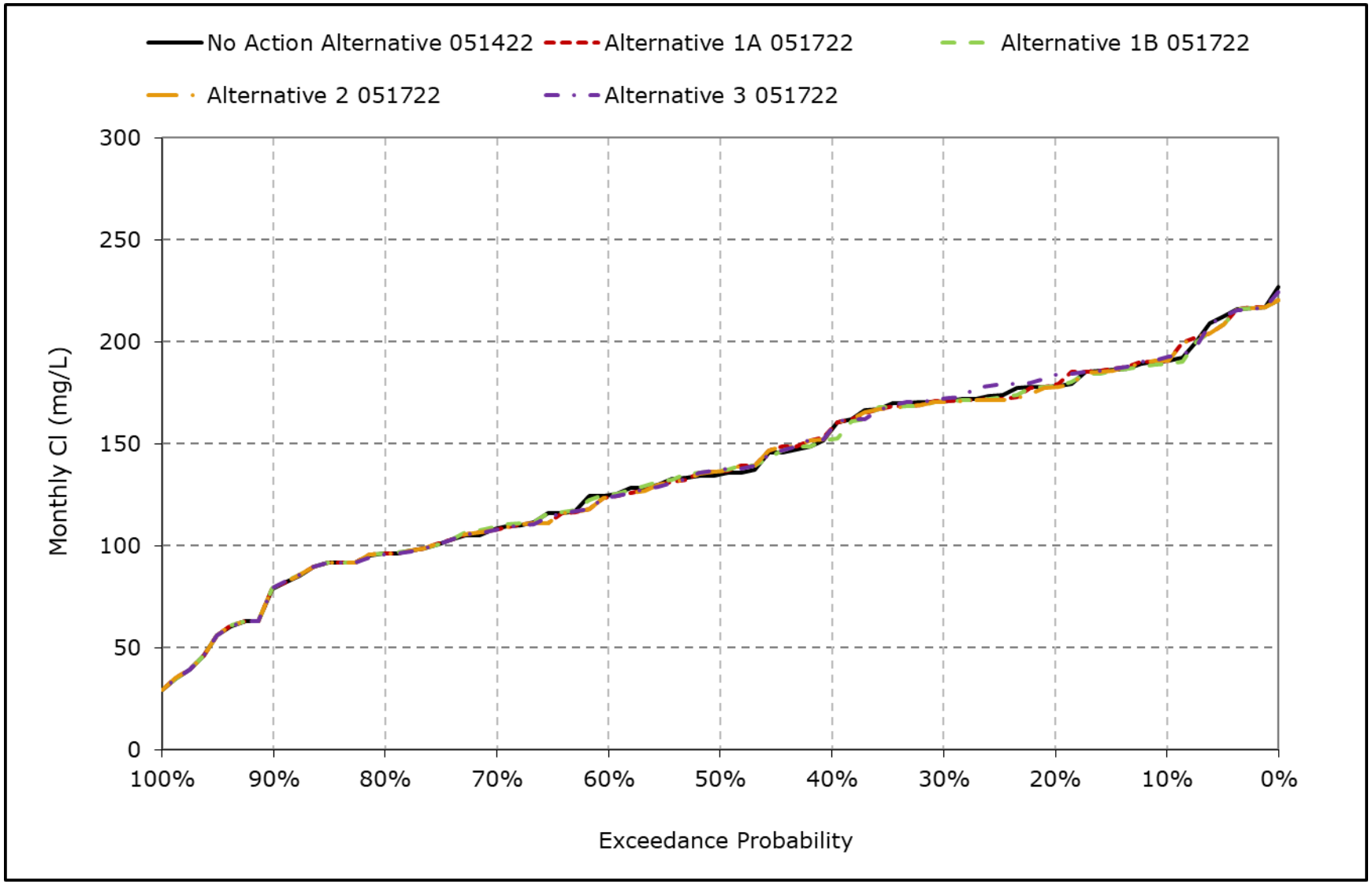
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-4-6. Jones Pumping Plant South Delta Exports, Critical Year Average Cl



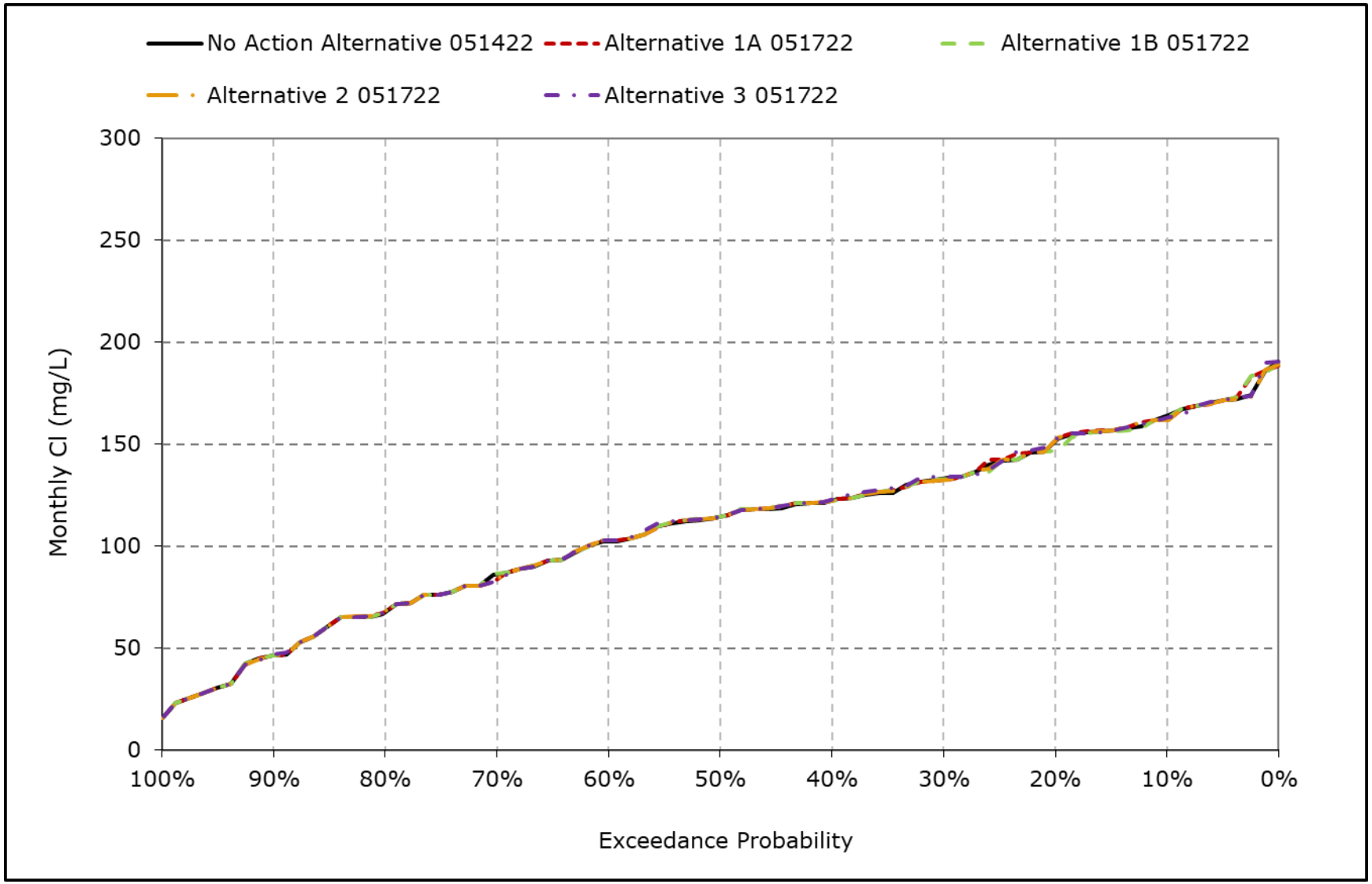
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-4-7. Jones Pumping Plant South Delta Exports Chloride, January Cl



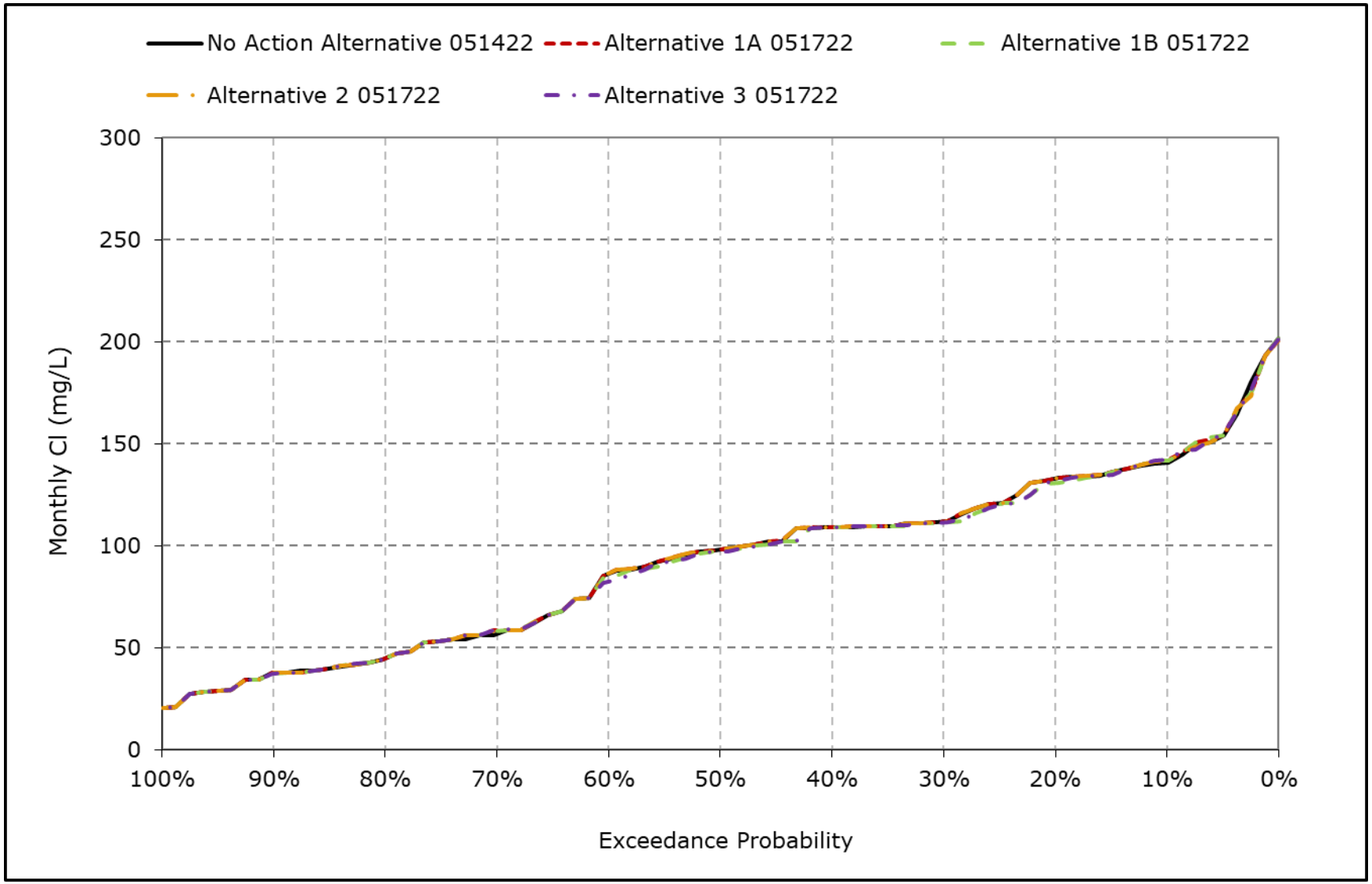
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-4-8. Jones Pumping Plant South Delta Exports Chloride, February Cl



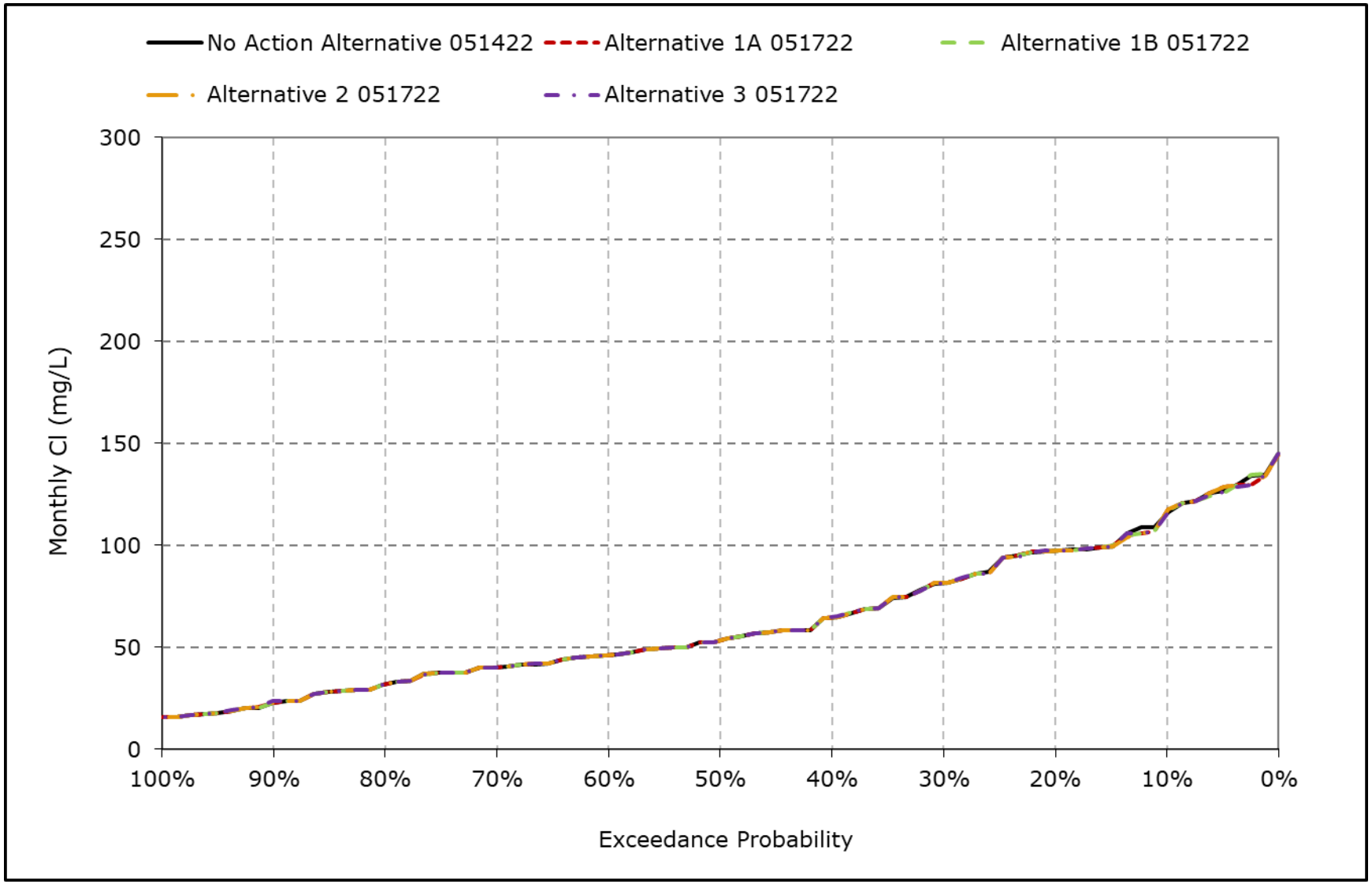
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-4-9. Jones Pumping Plant South Delta Exports Chloride, March Cl



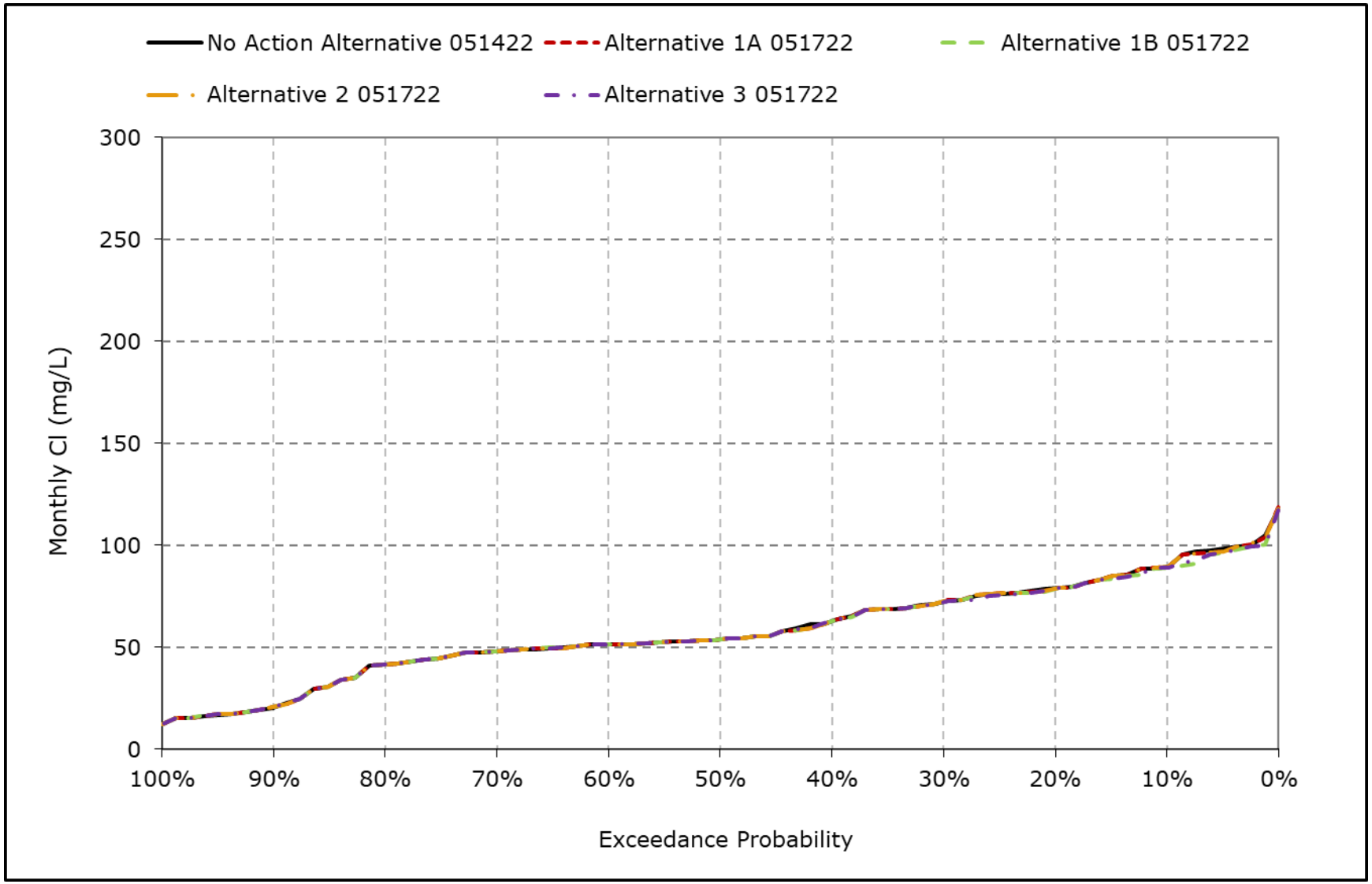
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-4-10. Jones Pumping Plant South Delta Exports Chloride, April Cl



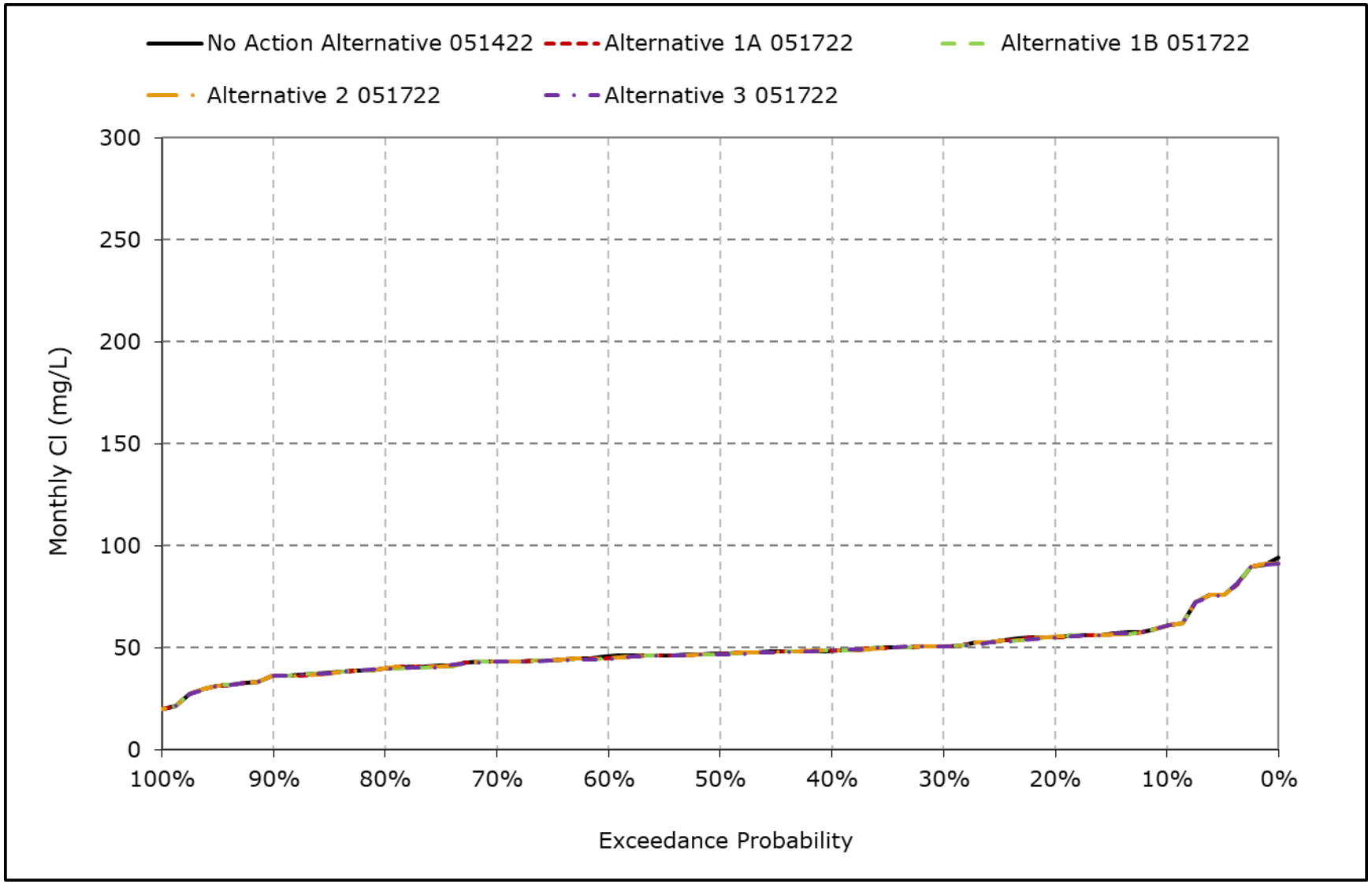
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-4-11. Jones Pumping Plant South Delta Exports Chloride, May Cl



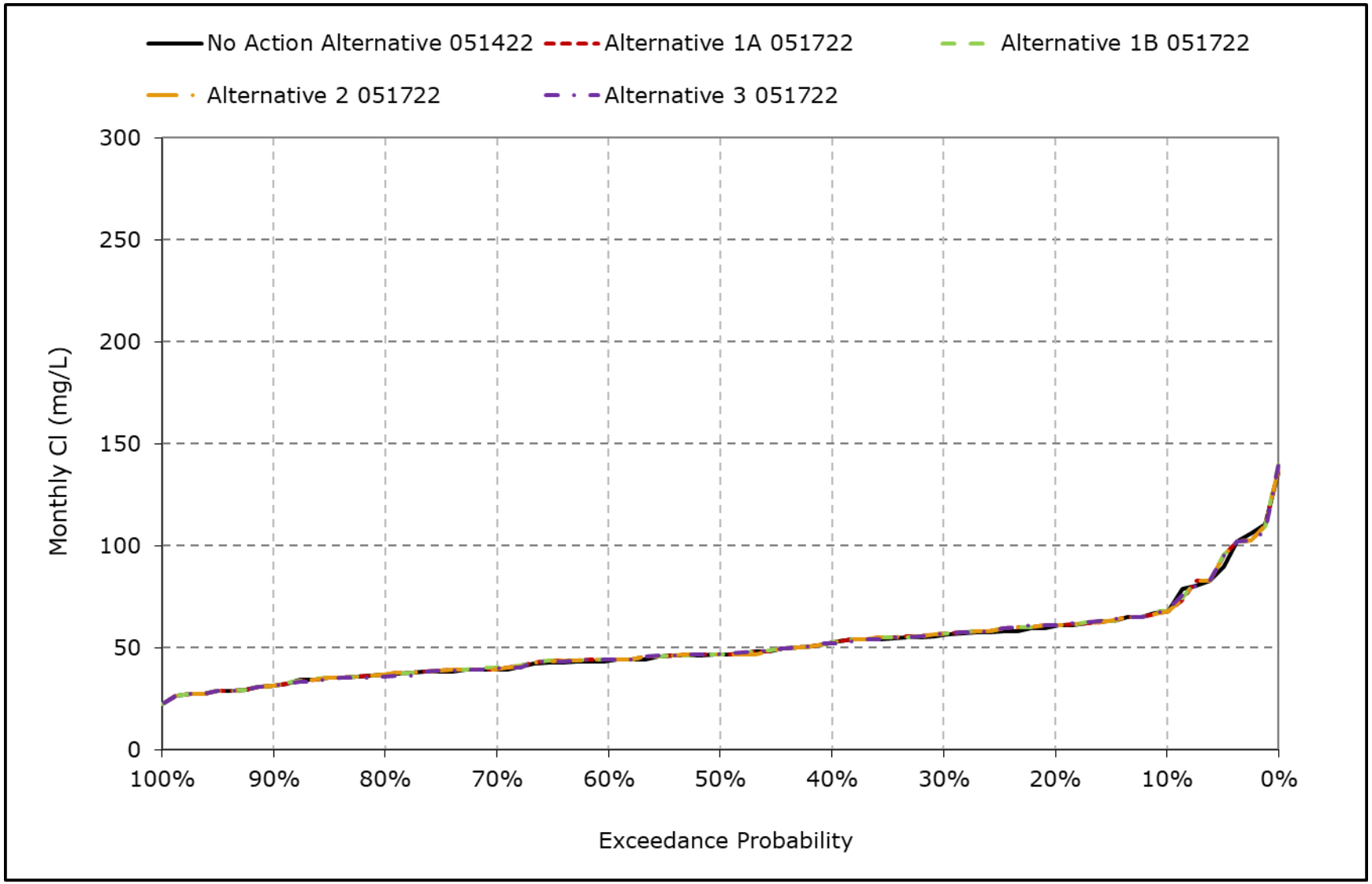
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-4-12. Jones Pumping Plant South Delta Exports Chloride, June Cl



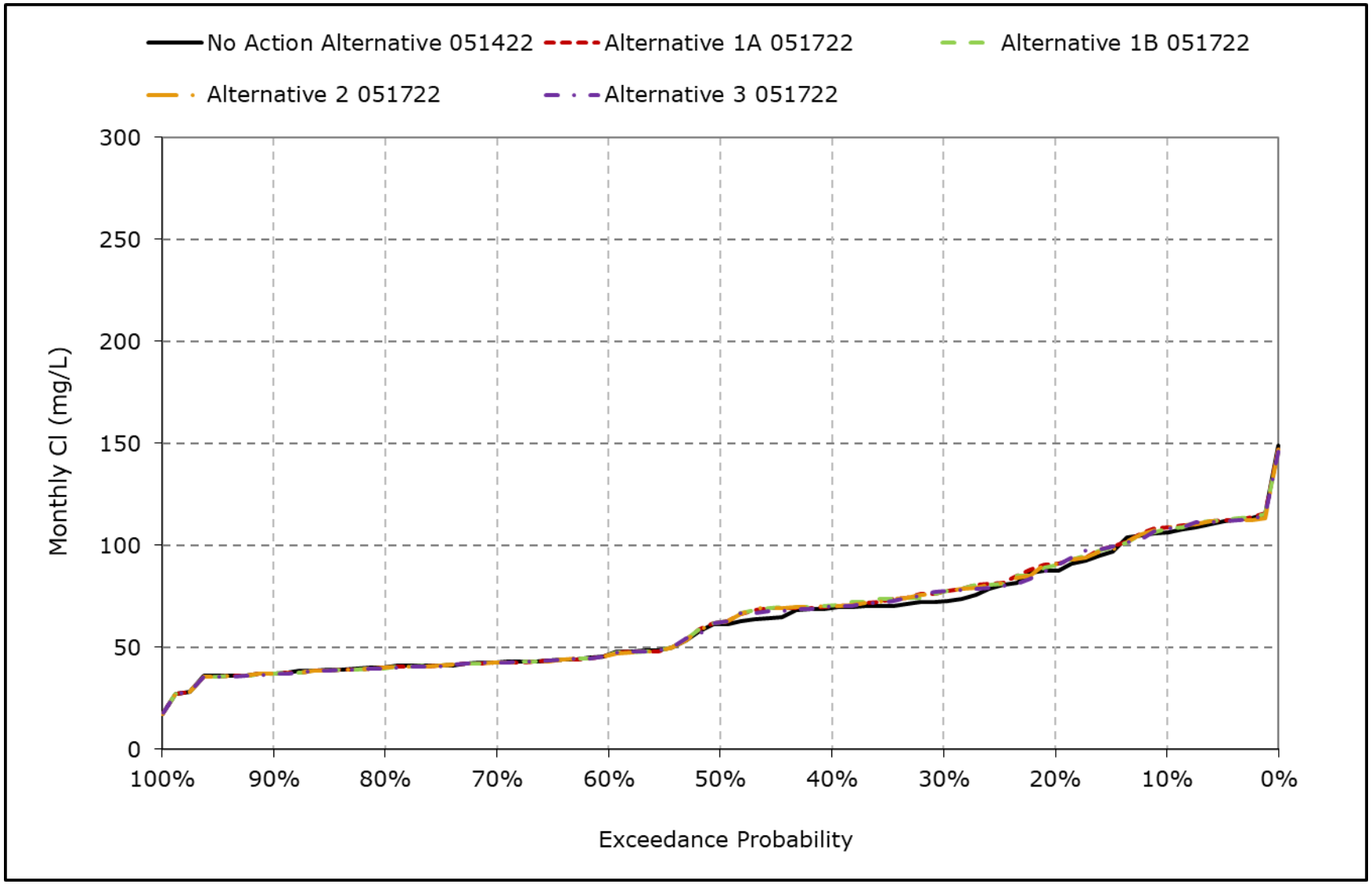
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-4-13. Jones Pumping Plant South Delta Exports Chloride, July Cl



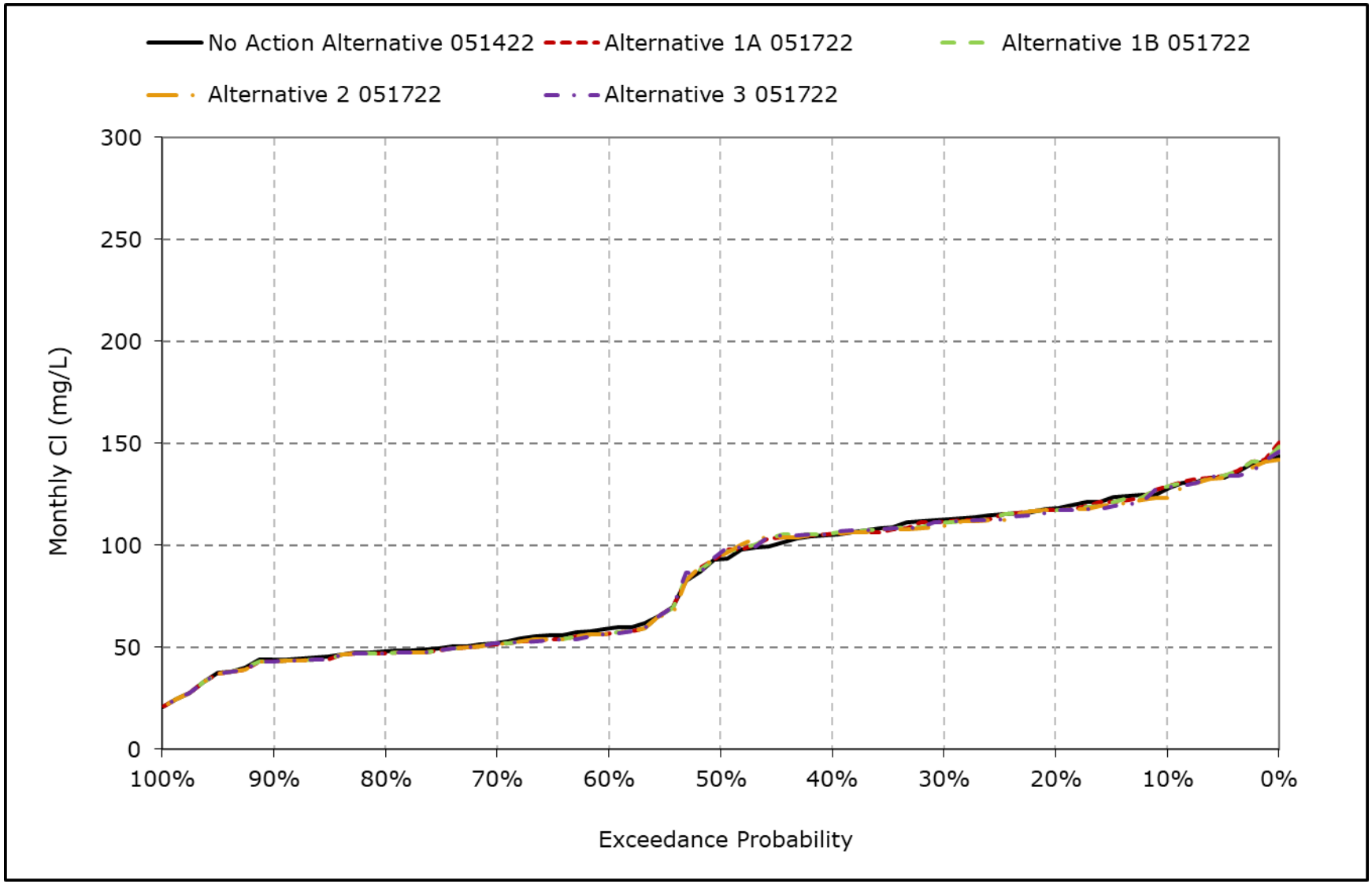
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-4-14. Jones Pumping Plant South Delta Exports Chloride, August Cl



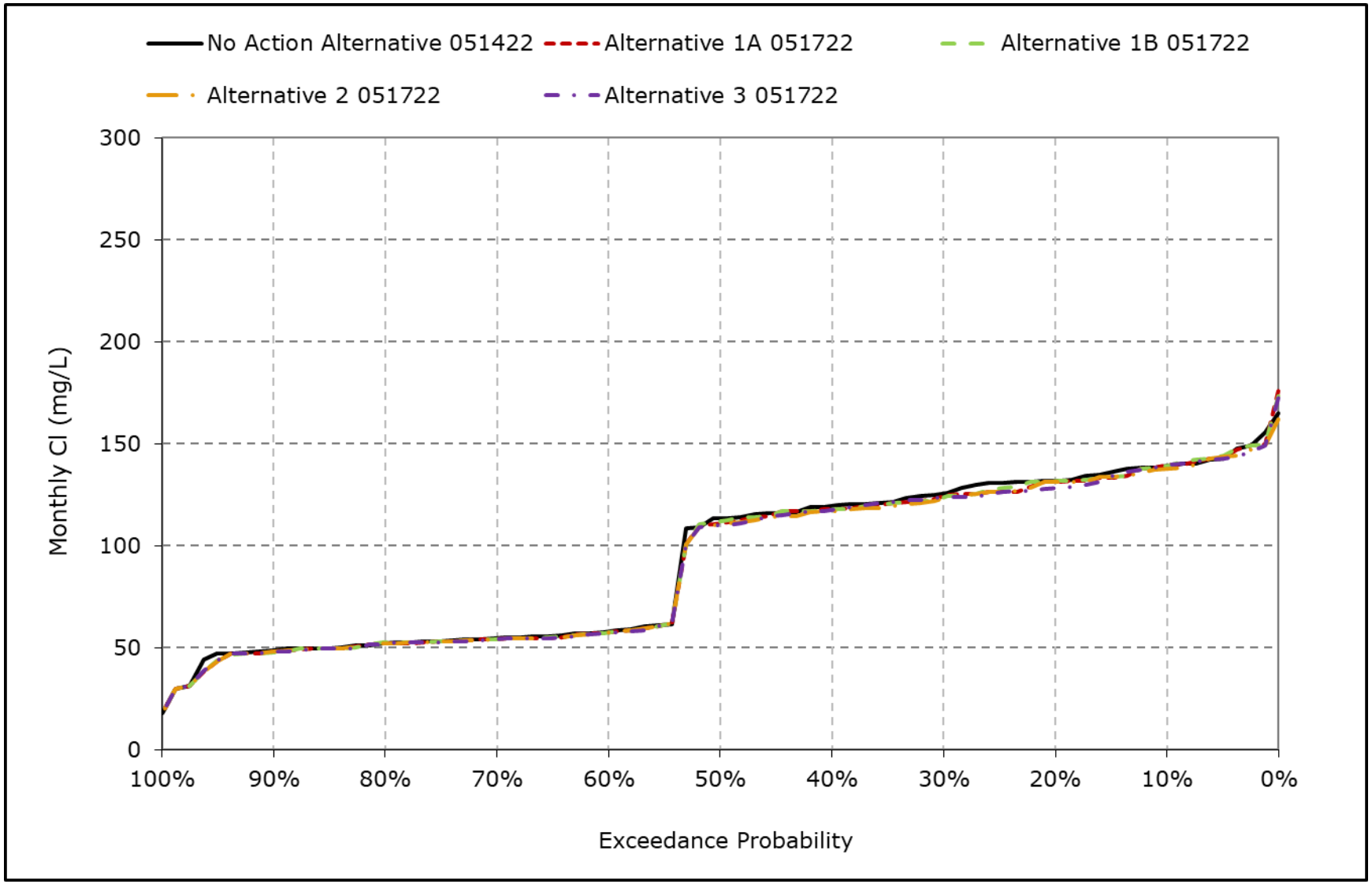
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-4-15. Jones Pumping Plant South Delta Exports Chloride, September Cl



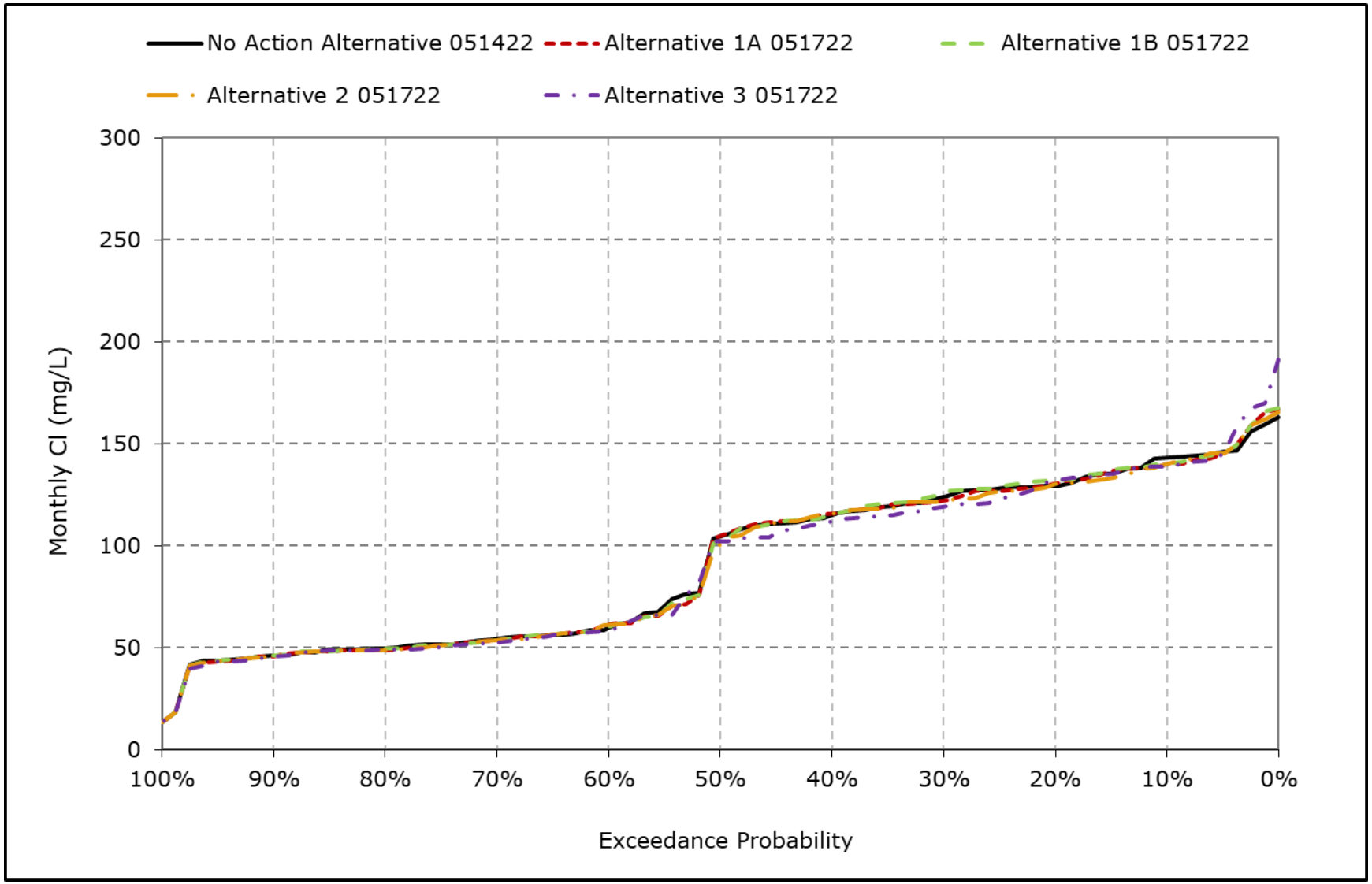
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-4-16. Jones Pumping Plant South Delta Exports Chloride, October Cl



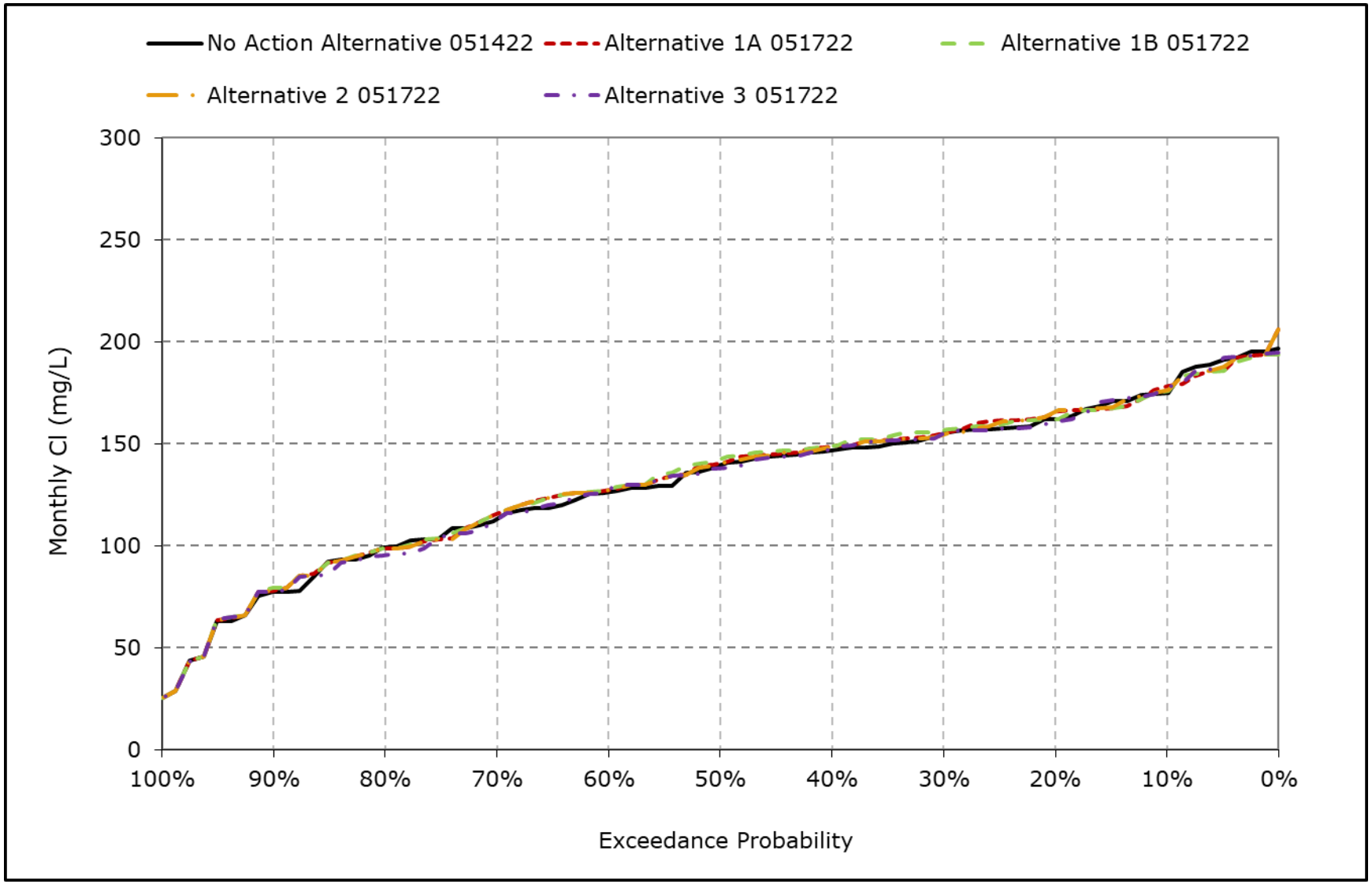
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-4-17. Jones Pumping Plant South Delta Exports Chloride, November Cl



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-4-18. Jones Pumping Plant South Delta Exports Chloride, December Cl



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Table 6B2-5-1a. North Bay Aqueduct, No Action Alternative 051422, Monthly Cl (mg/L)

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

Table 6B2-5-1b. North Bay Aqueduct, Alternative 1A 051722, Monthly Cl (mg/L)

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

Table 6B2-5-1c. North Bay Aqueduct, Alternative 1A 051722 minus No Action Alternative 051422, 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 (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 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 6B2-5-2a. North Bay Aqueduct, No Action Alternative 051422, Monthly Cl (mg/L)

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

Table 6B2-5-2b. North Bay Aqueduct, Alternative 1B 051722, Monthly Cl (mg/L)

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

Table 6B2-5-2c. North Bay Aqueduct, Alternative 1B 051722 minus No Action Alternative 051422, 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 (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 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 6B2-5-3a. North Bay Aqueduct, No Action Alternative 051422, Monthly Cl (mg/L)

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

Table 6B2-5-3b. North Bay Aqueduct, Alternative 2 051722, Monthly Cl (mg/L)

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

Table 6B2-5-3c. North Bay Aqueduct, Alternative 2 051722 minus No Action Alternative 051422, 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 (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0

[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 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 6B2-5-4a. North Bay Aqueduct, No Action Alternative 051422, Monthly Cl (mg/L)

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

Table 6B2-5-4b. North Bay Aqueduct, Alternative 3 051722, Monthly Cl (mg/L)

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

Table 6B2-5-4c. North Bay Aqueduct, Alternative 3 051722 minus No Action Alternative 051422, 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 (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Years (17%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (15%)	0	0	0	0	0	0	0	0	0	0	0	0

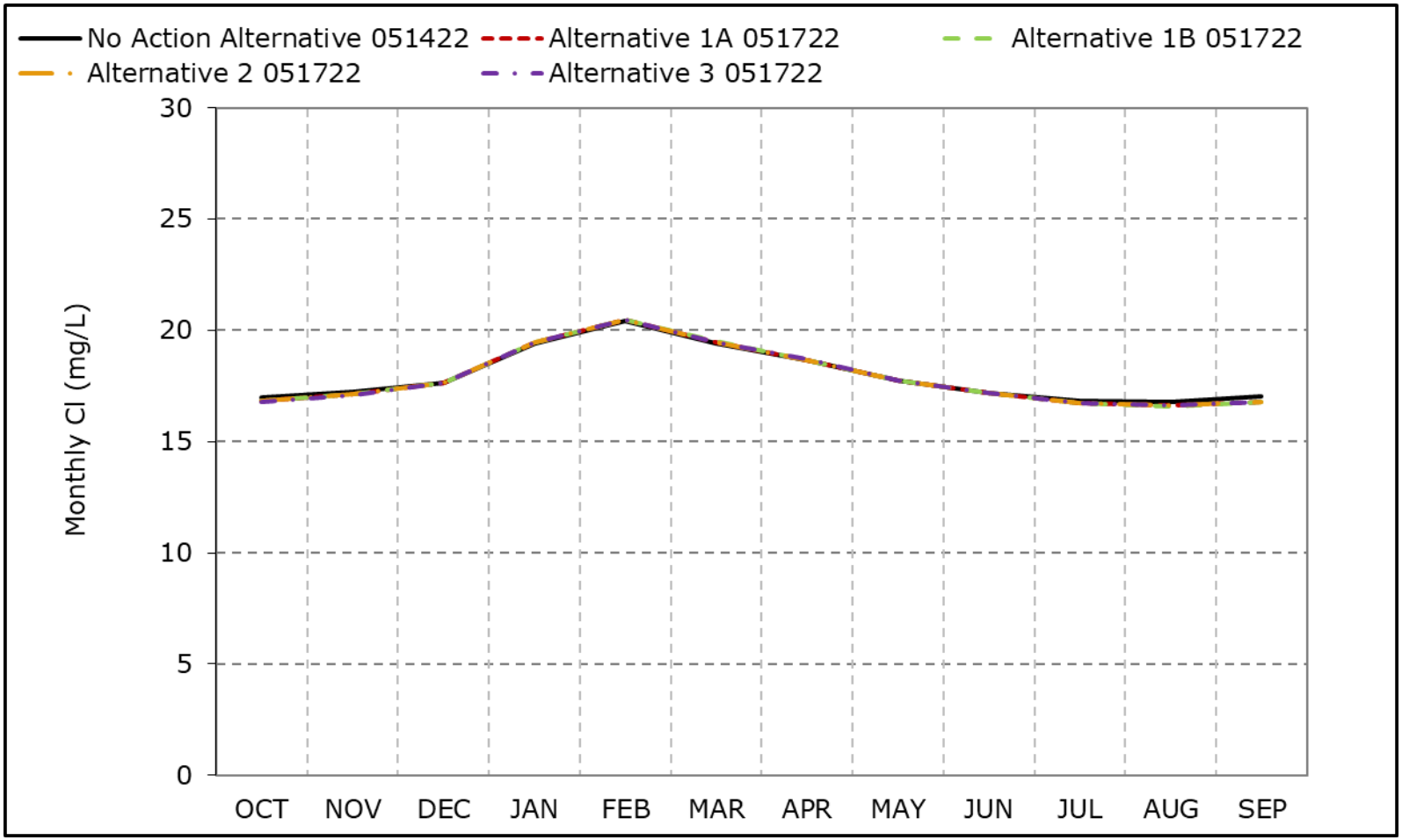
[a] Based on the 82-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

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

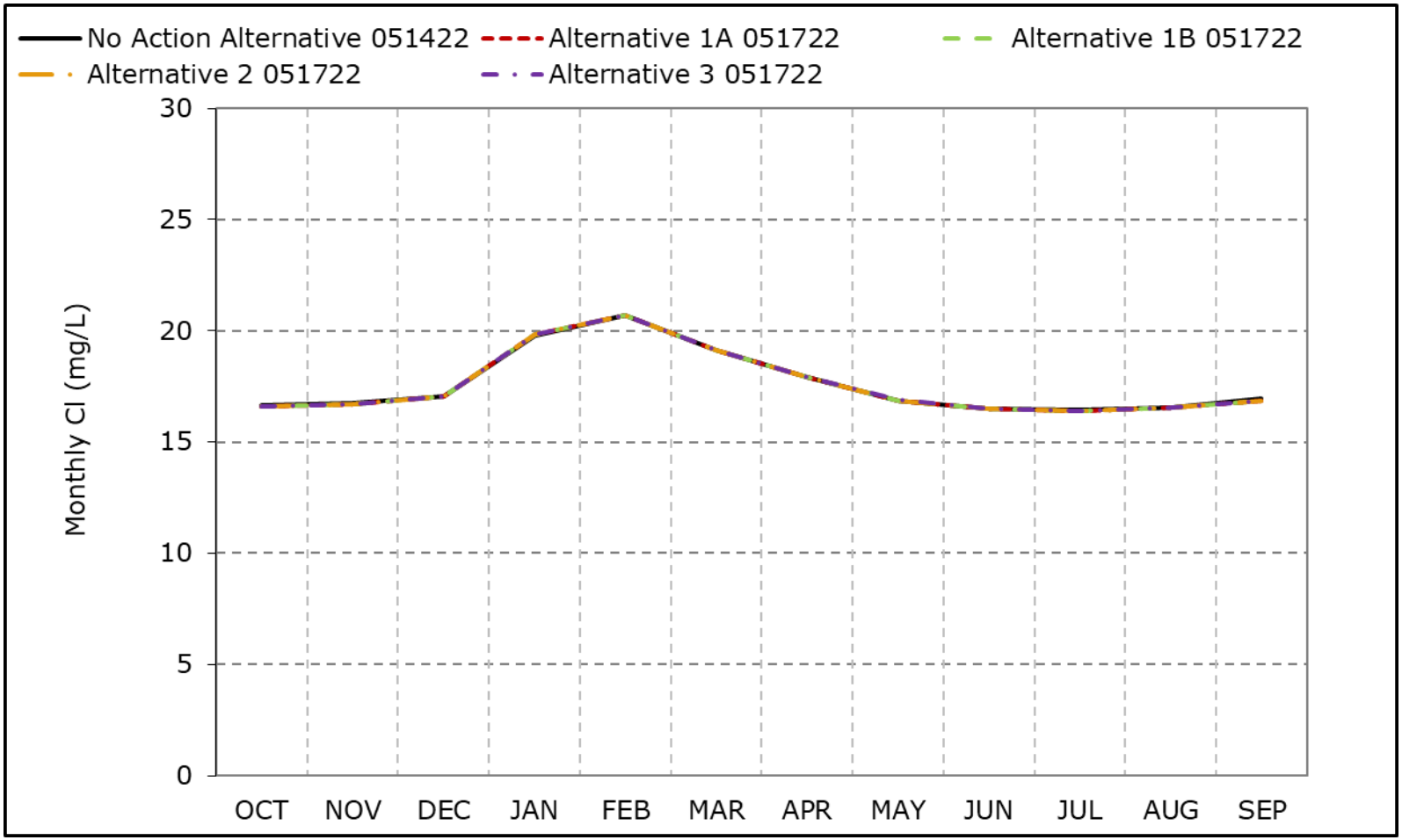
* These results are displayed with calendar year - year type sorting.

Figure 6B2-5-1. North Bay Aqueduct, Long-Term Average Cl



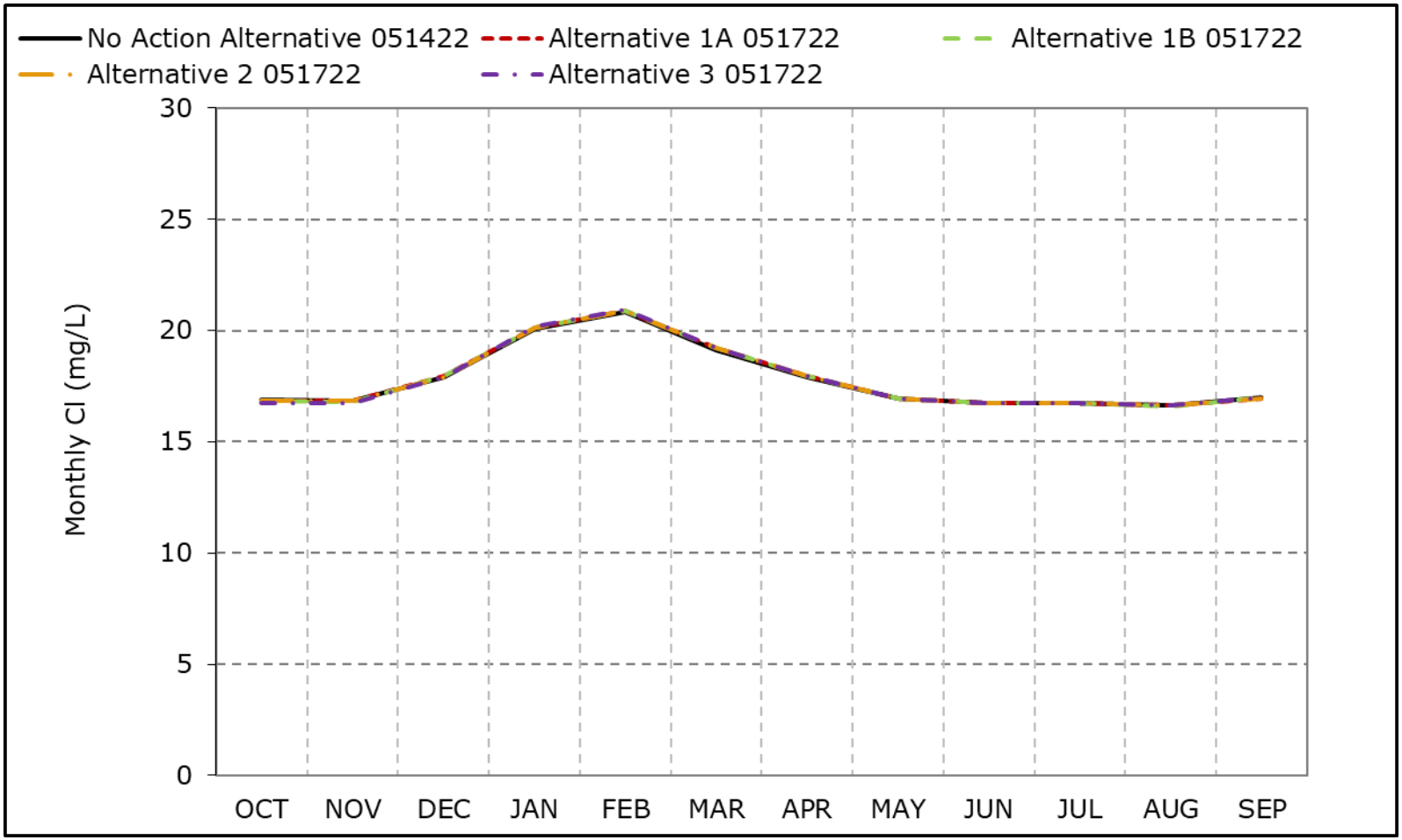
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-5-2. North Bay Aqueduct, Wet Year Average Cl



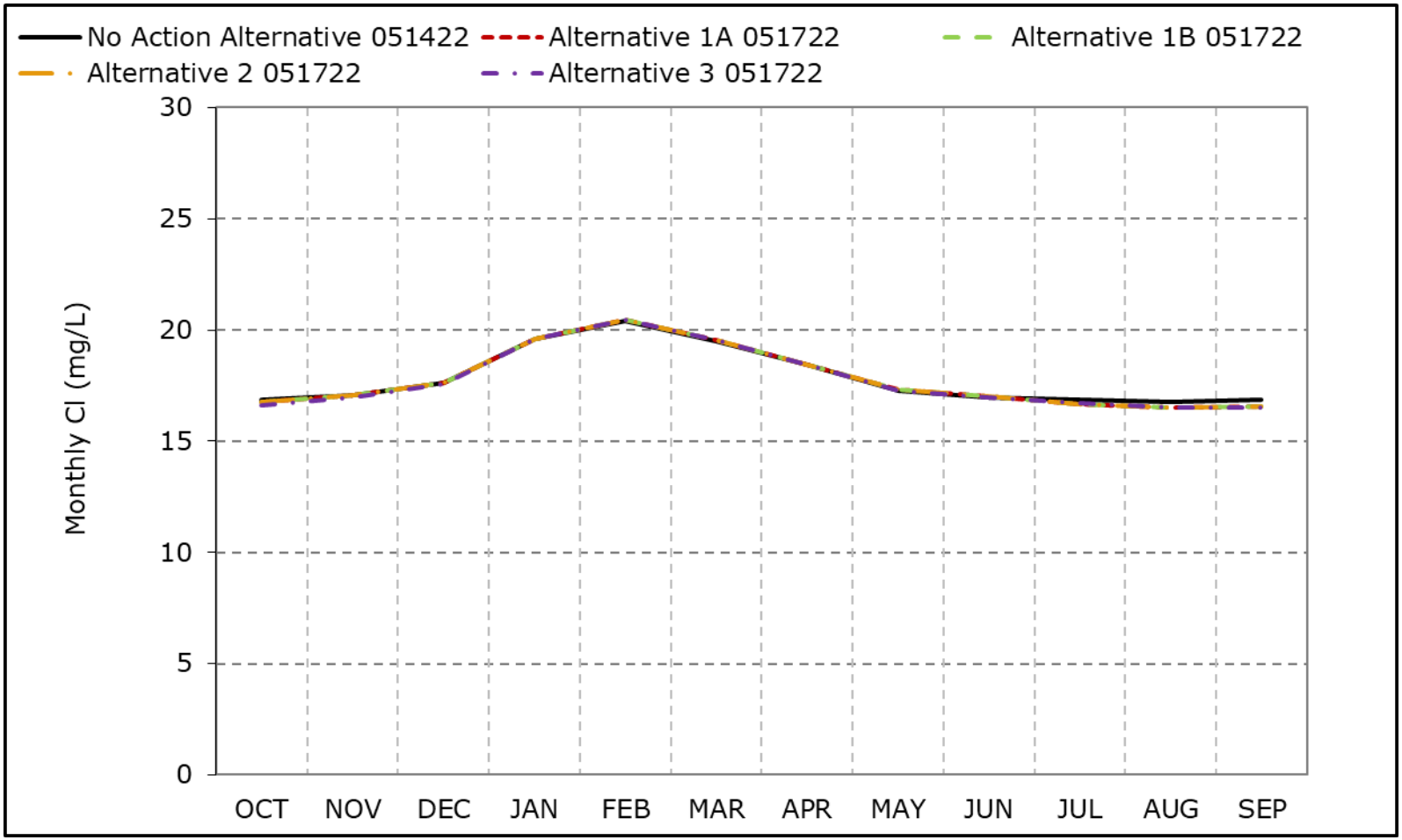
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-5-3. North Bay Aqueduct, Above Normal Year Average Cl



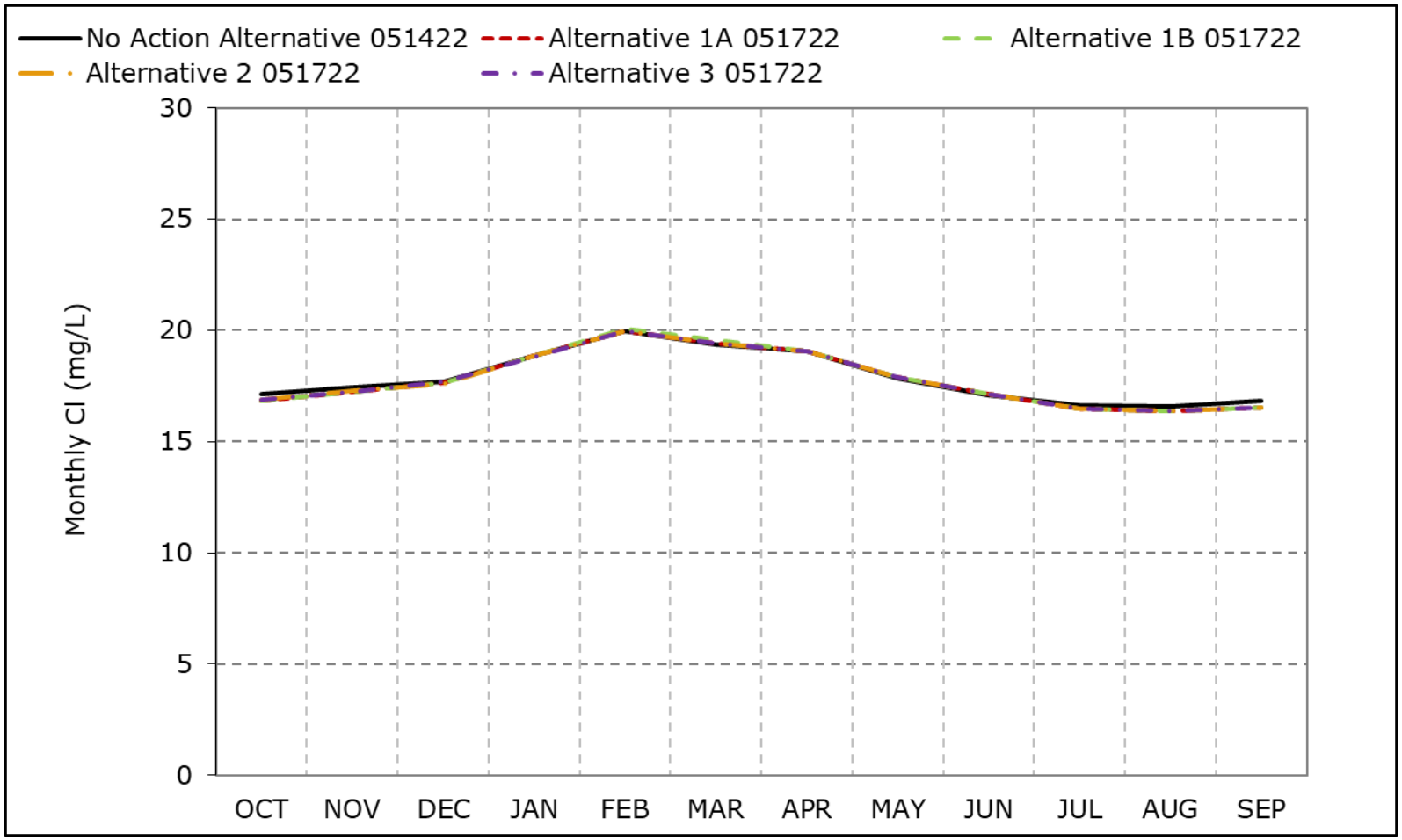
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-5-4. North Bay Aqueduct, Below Normal Year Average Cl



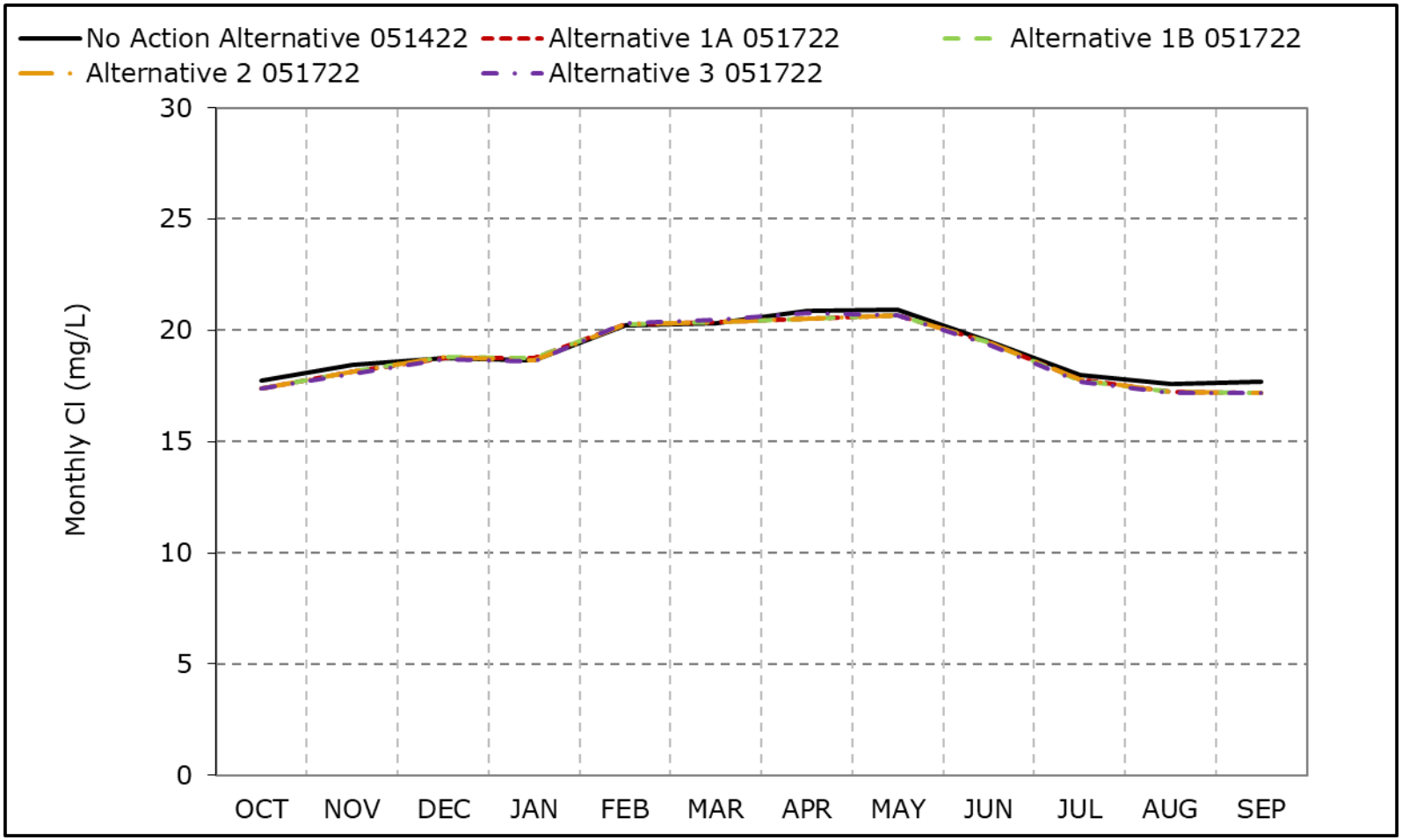
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-5-5. North Bay Aqueduct, Dry Year Average Cl



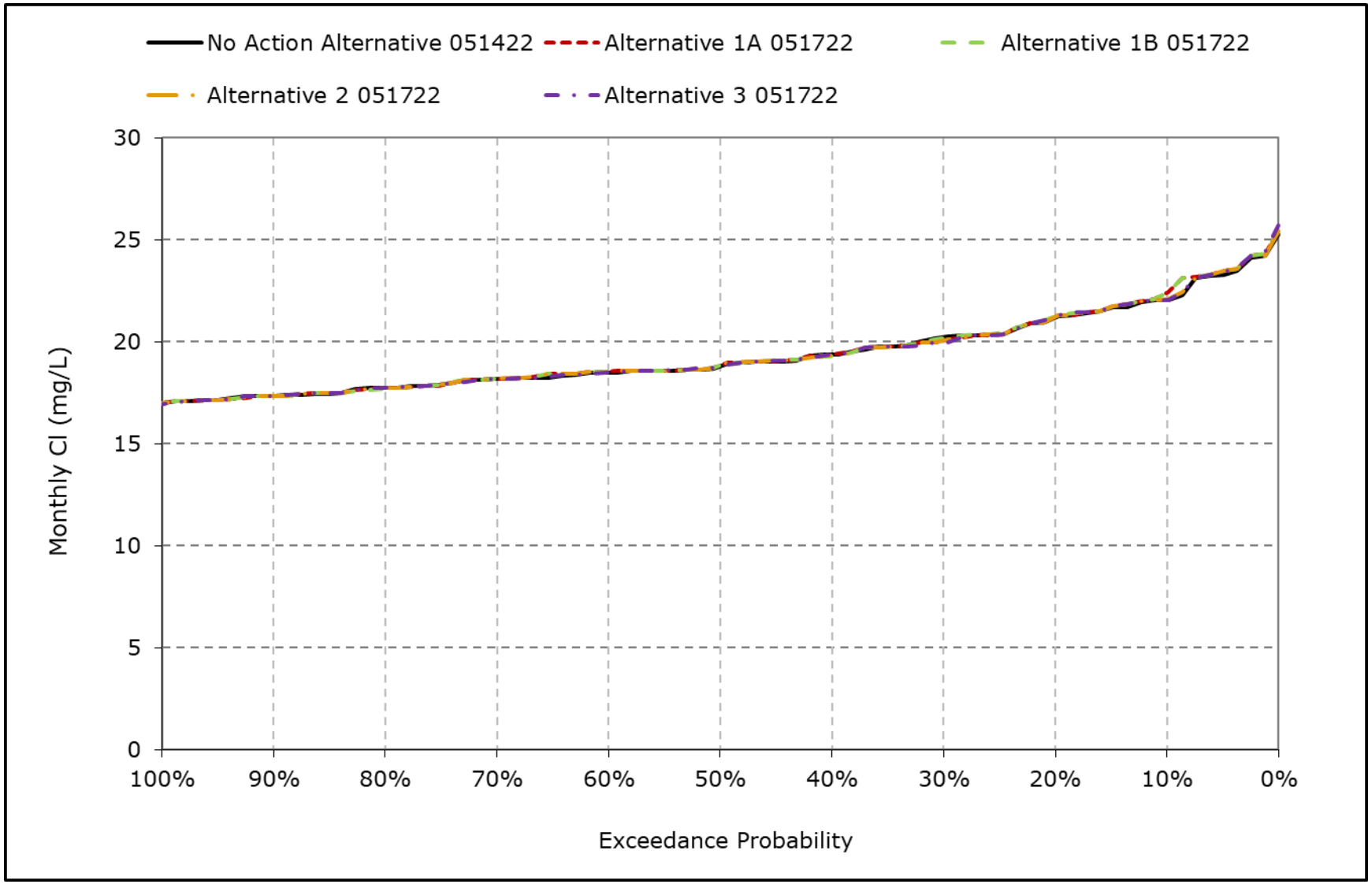
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-5-6. North Bay Aqueduct, Critical Year Average Cl



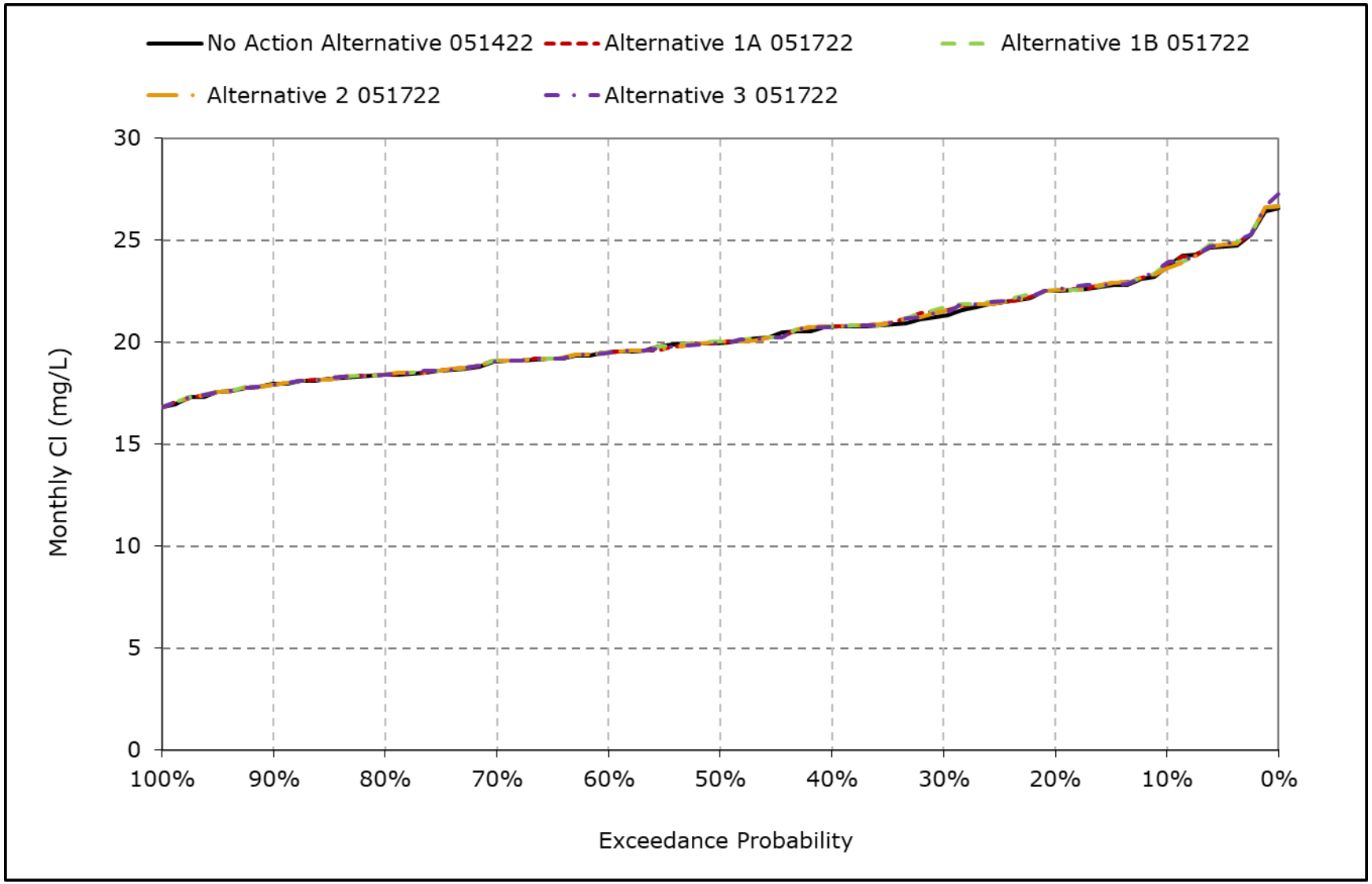
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-5-7. North Bay Aqueduct Chloride, January Cl



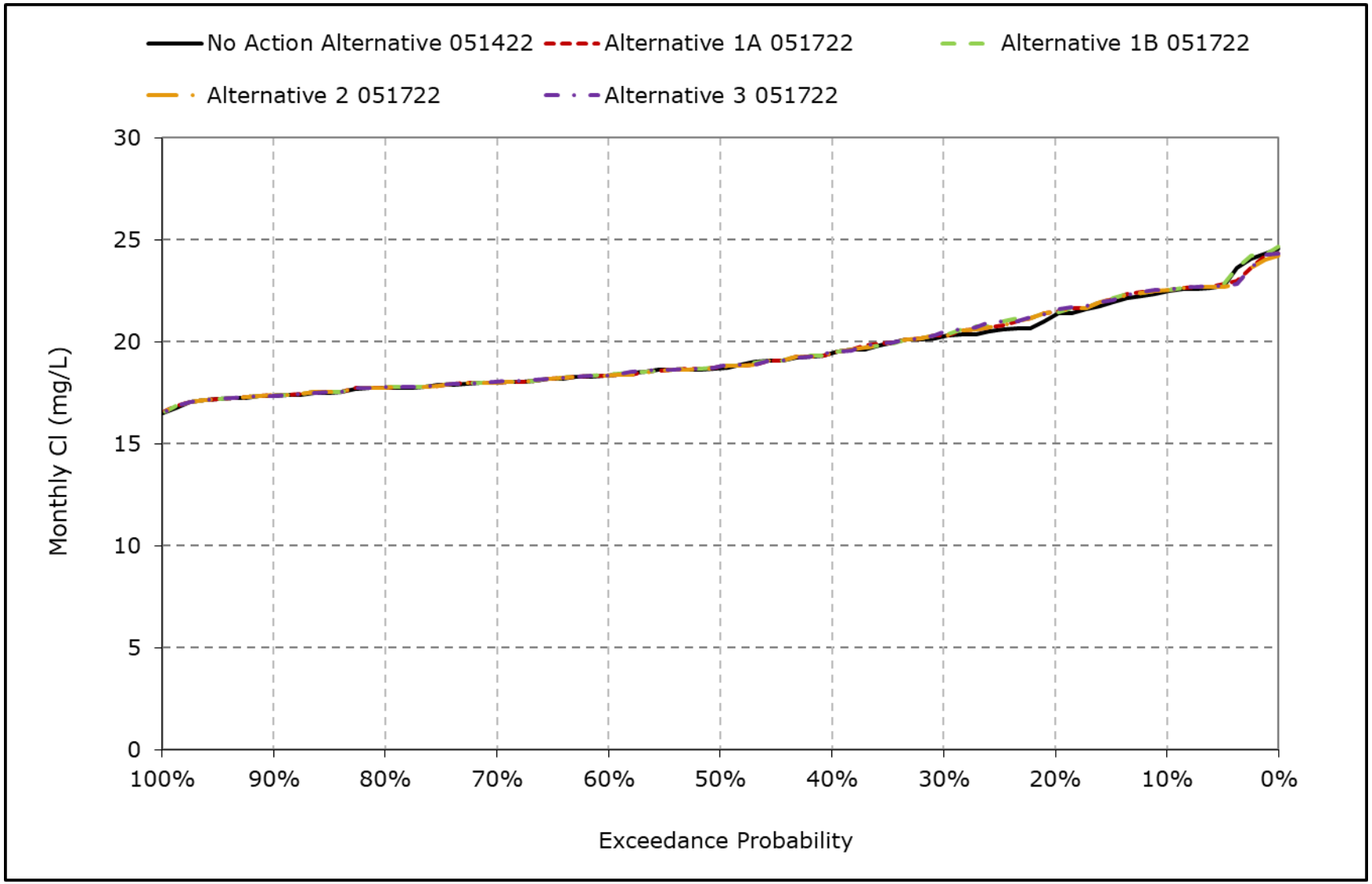
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-5-8. North Bay Aqueduct Chloride, February Cl



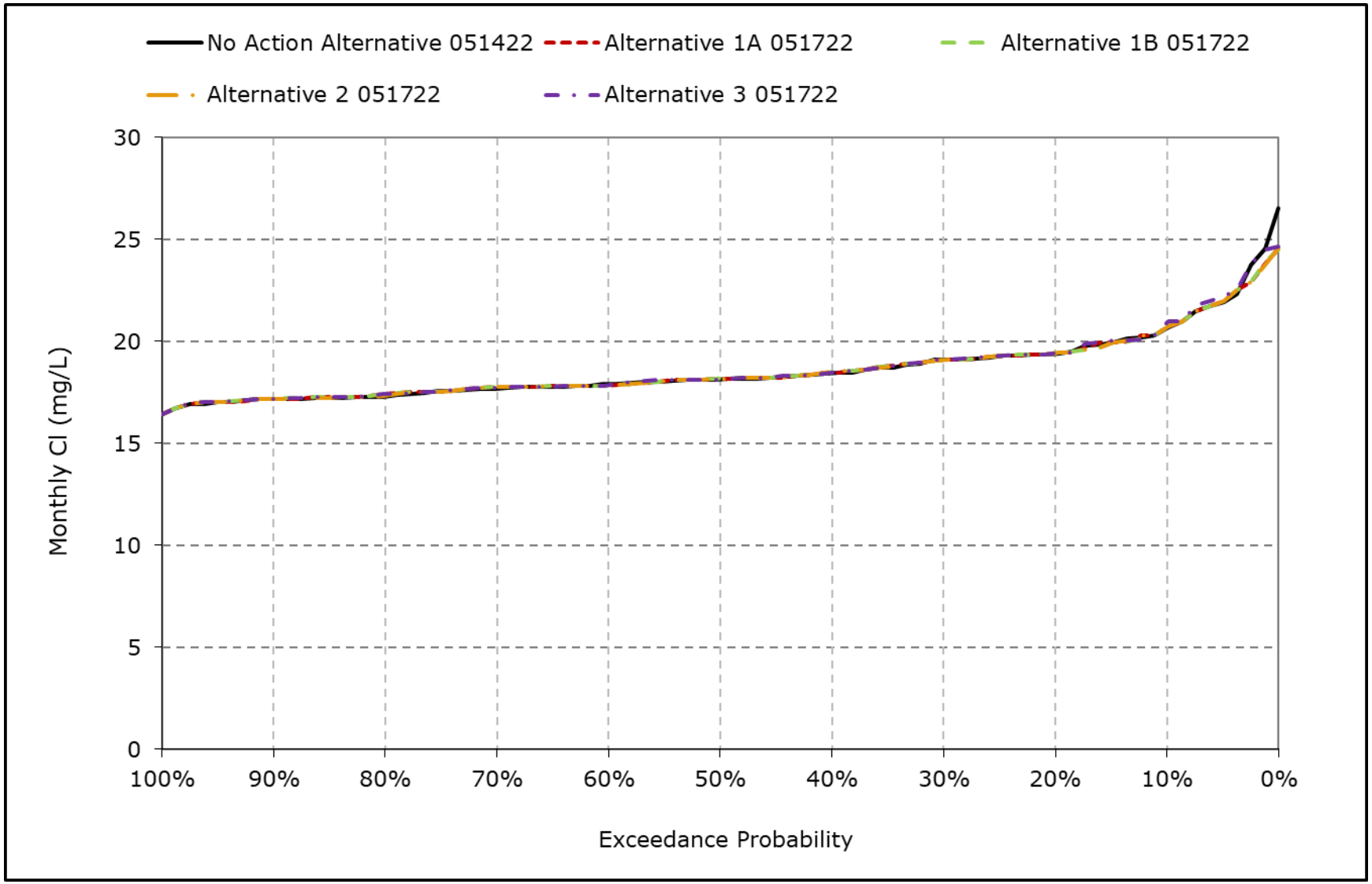
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-5-9. North Bay Aqueduct Chloride, March Cl



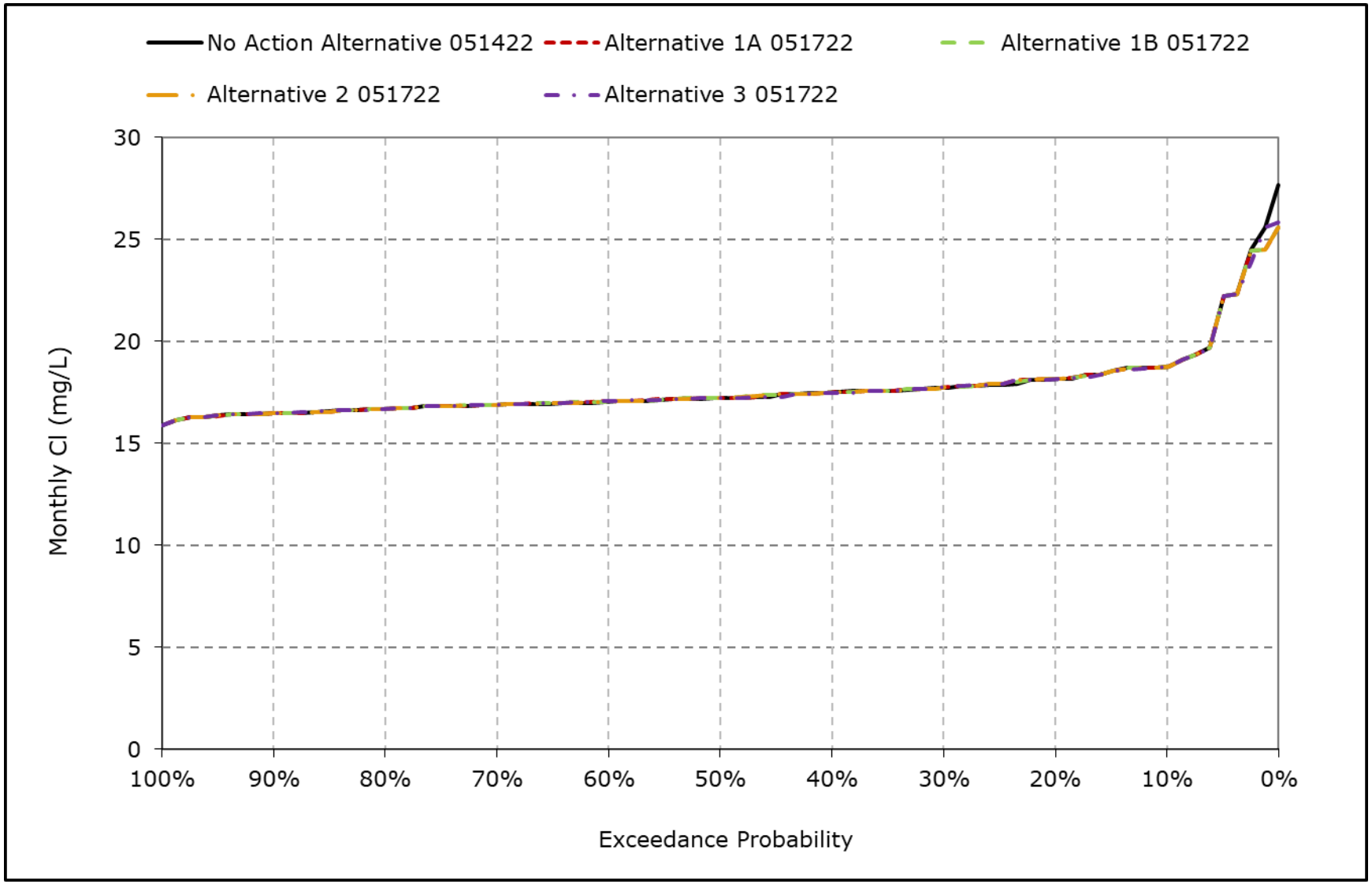
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-5-10. North Bay Aqueduct Chloride, April Cl



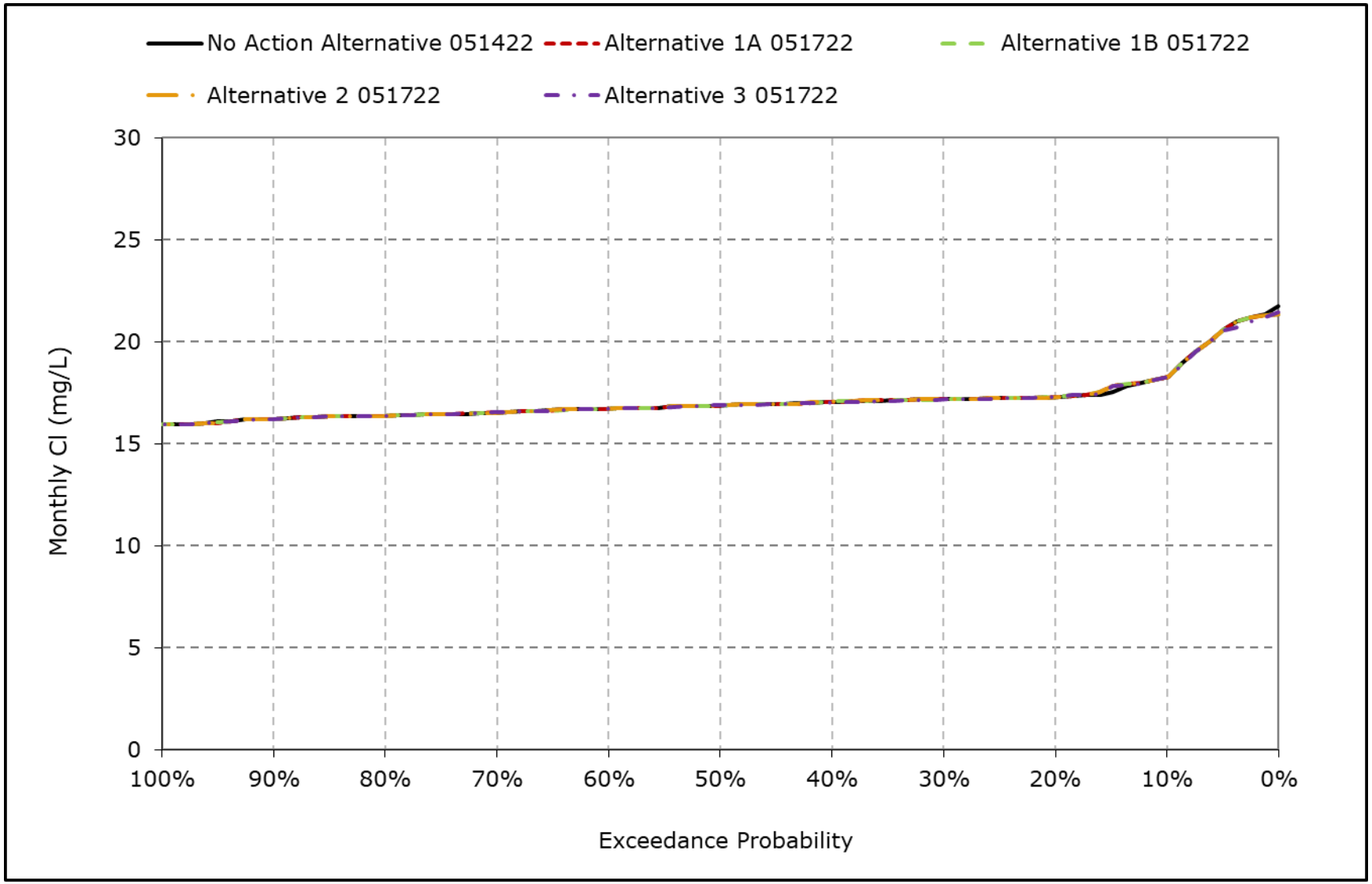
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-5-11. North Bay Aqueduct Chloride, May Cl



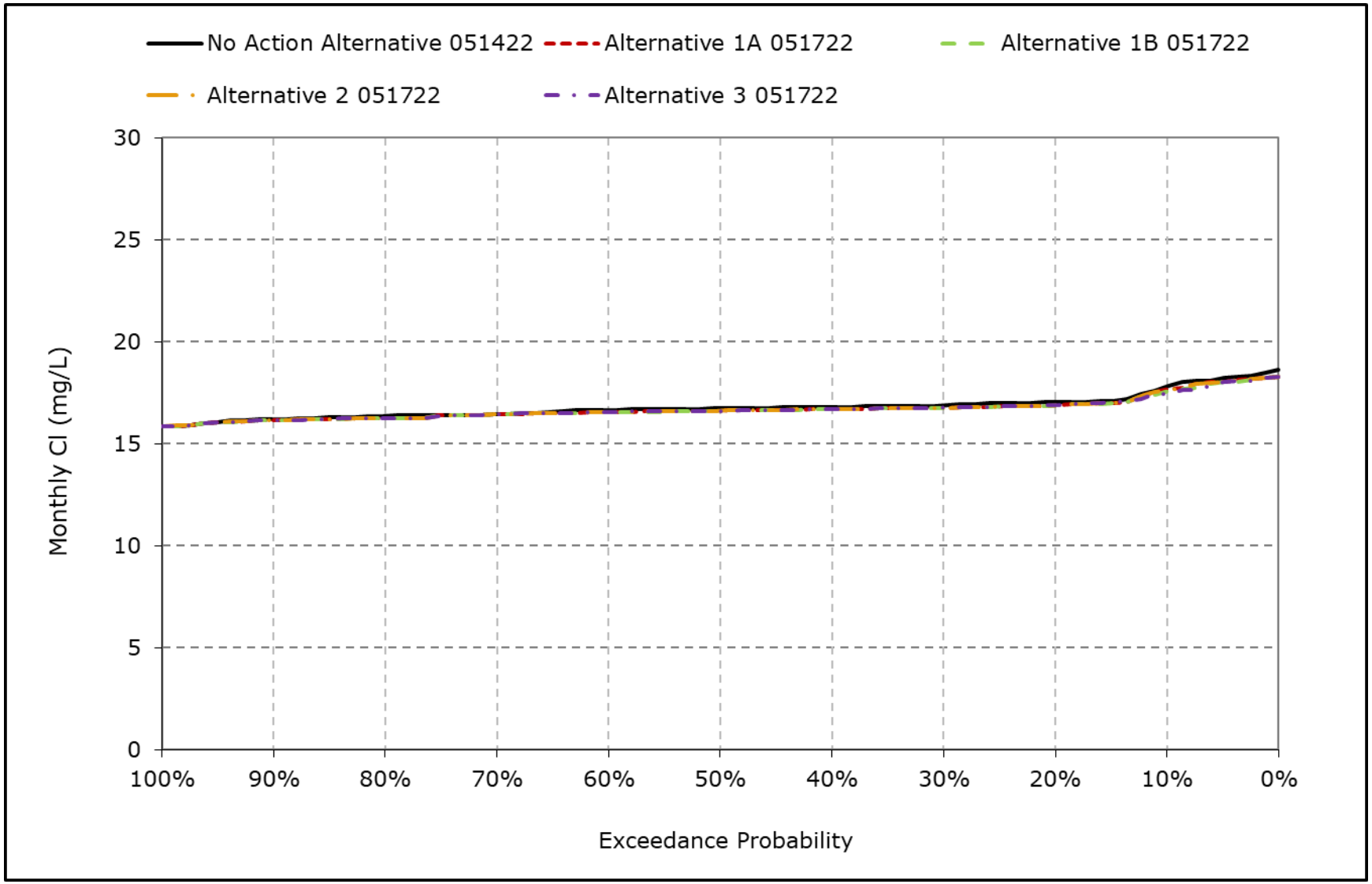
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-5-12. North Bay Aqueduct Chloride, June Cl



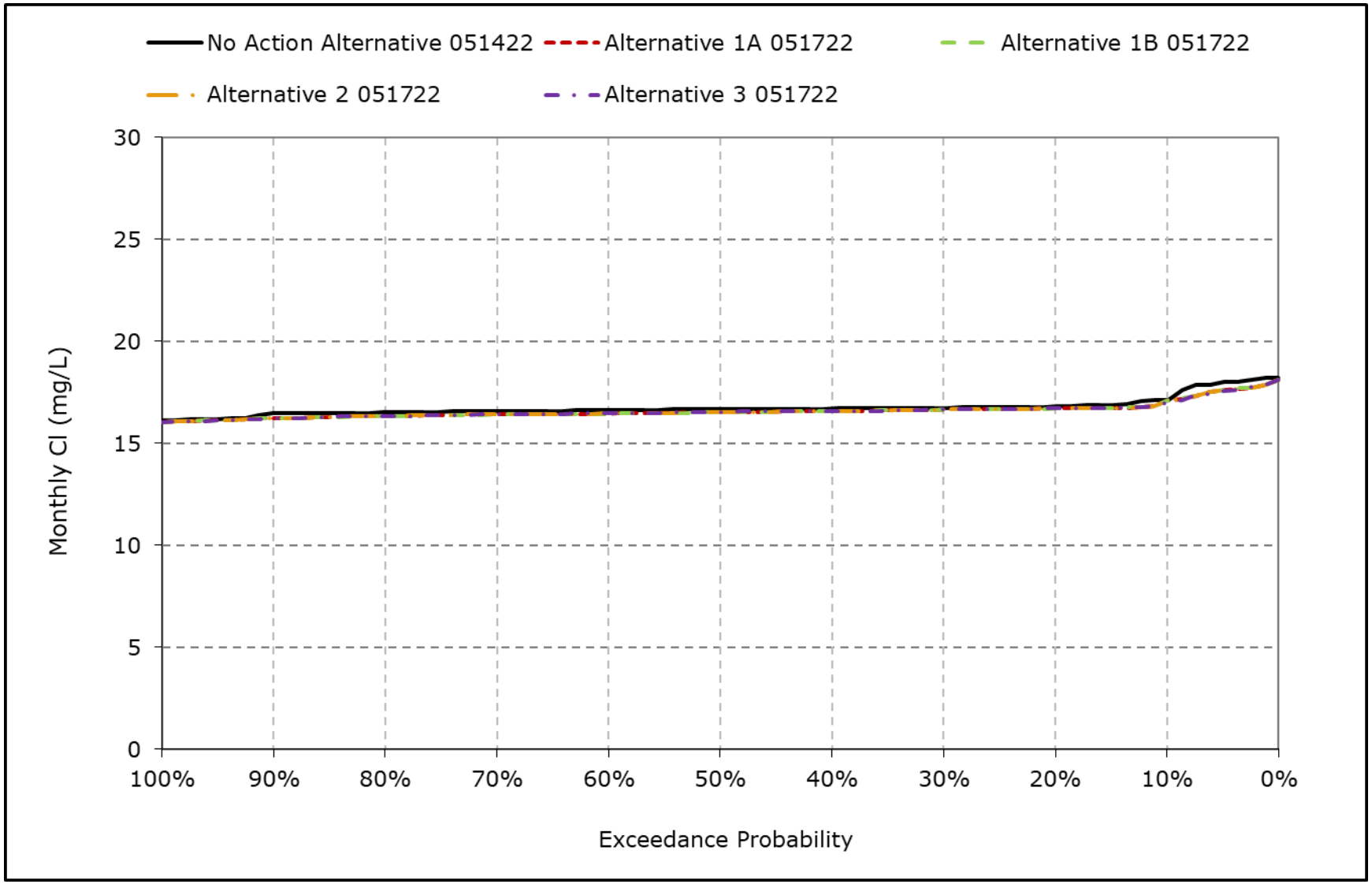
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-5-13. North Bay Aqueduct Chloride, July Cl



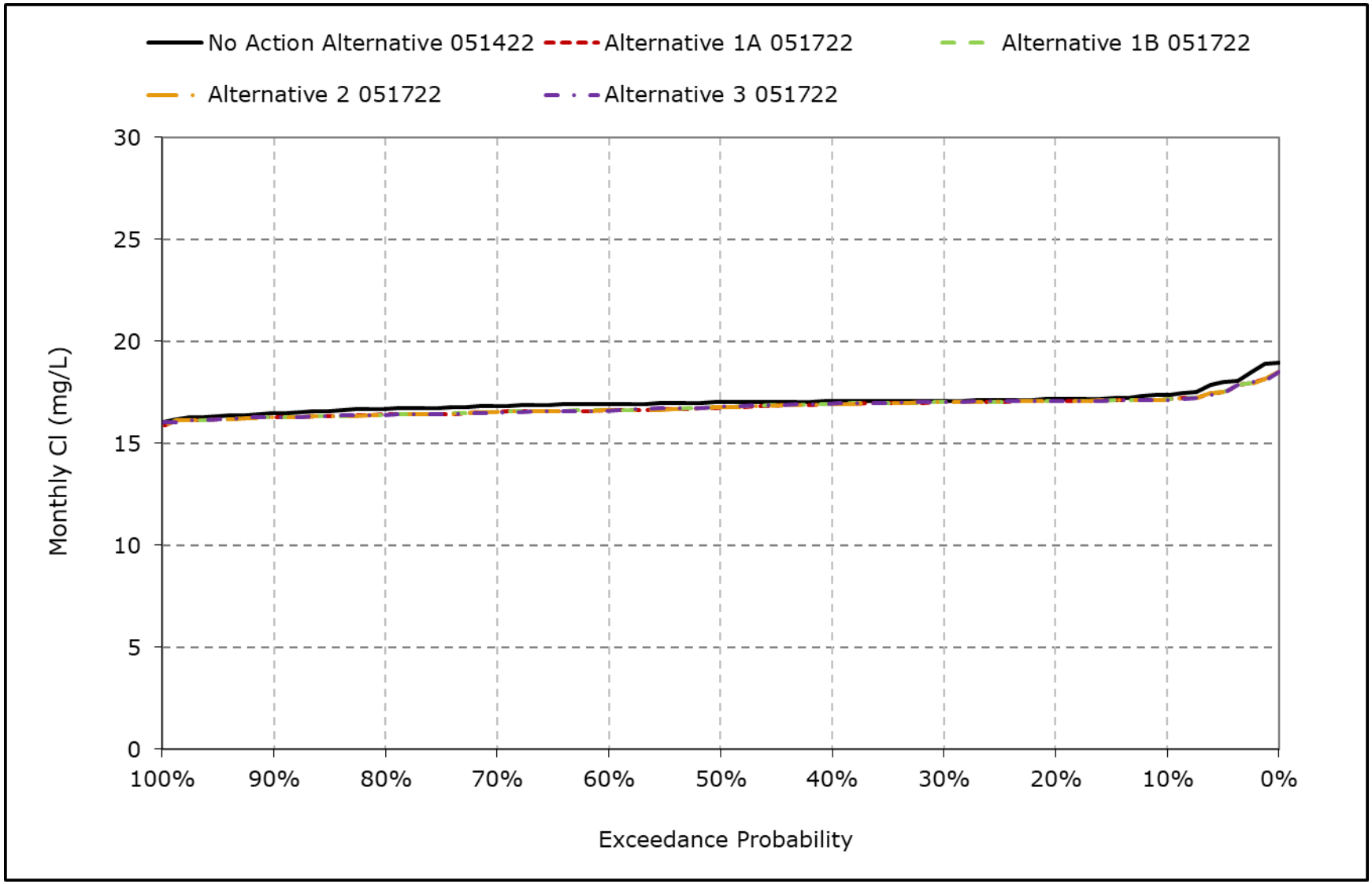
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-5-14. North Bay Aqueduct Chloride, August Cl



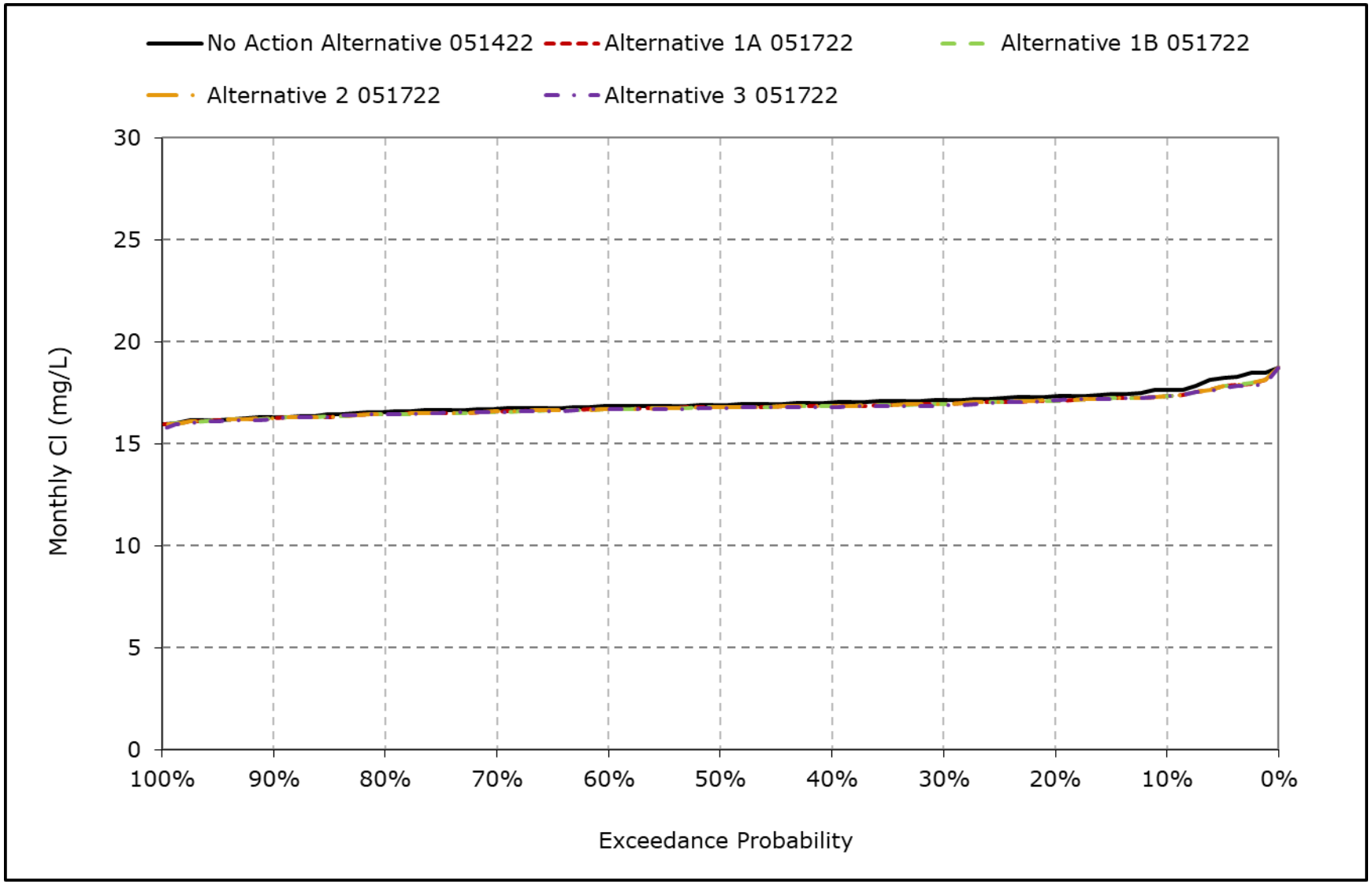
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-5-15. North Bay Aqueduct Chloride, September Cl



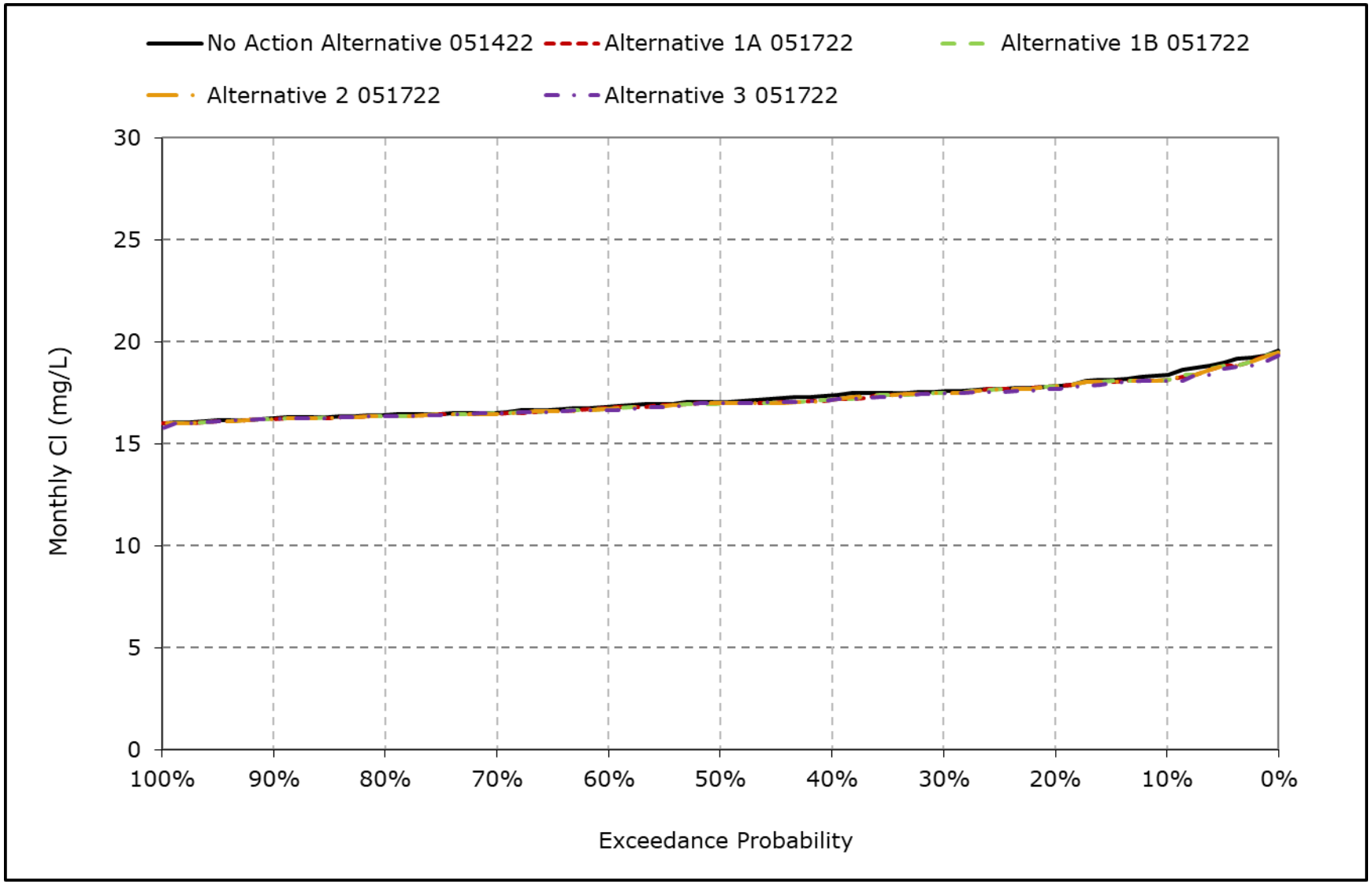
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-5-16. North Bay Aqueduct Chloride, October Cl



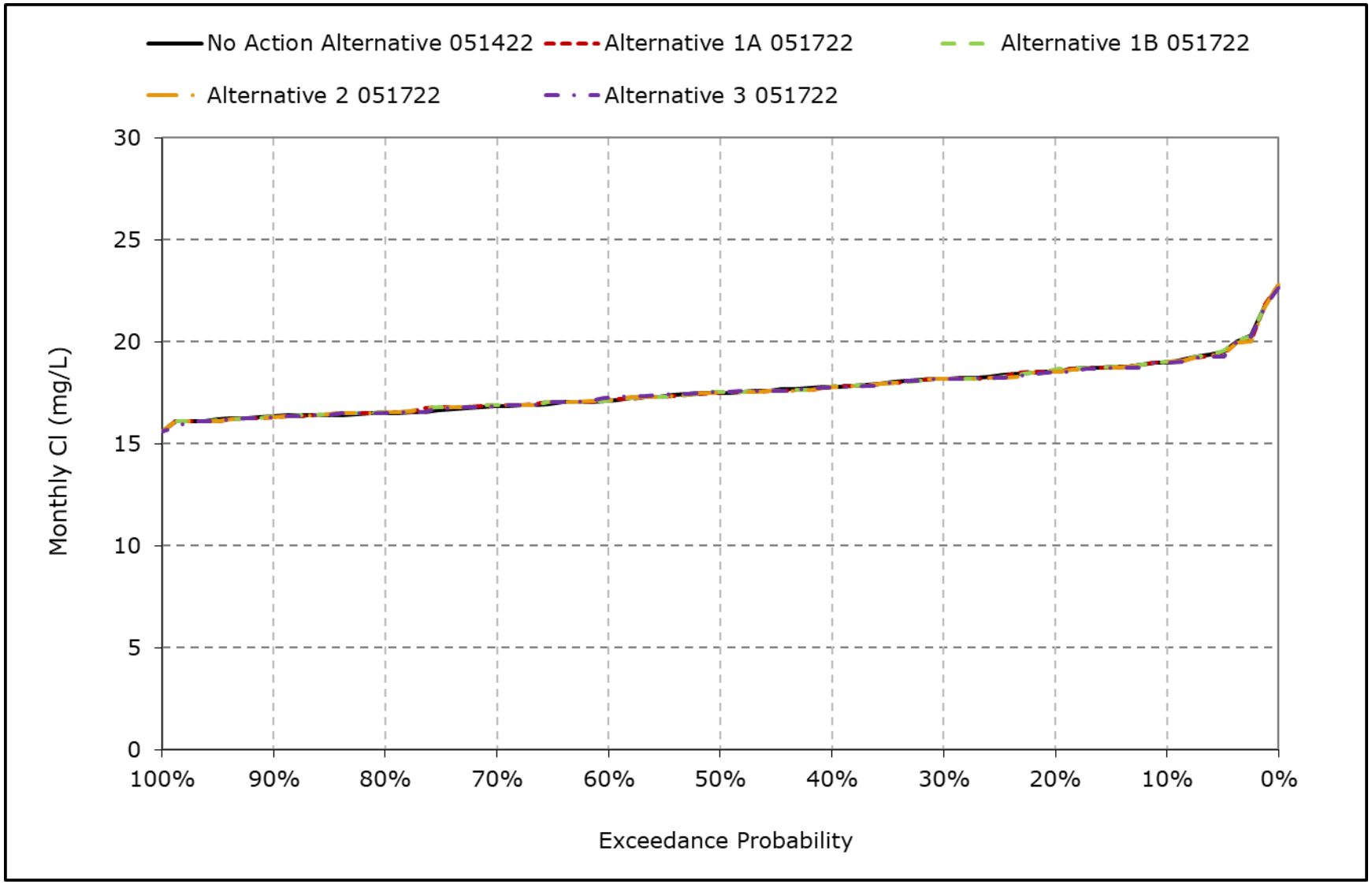
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-5-17. North Bay Aqueduct Chloride, November Cl



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6B2-5-18. North Bay Aqueduct Chloride, December Cl



*All scenarios are simulated at current climate condition and 0 cm sea level rise.