Appendix 4B

Attachment 7: Chloride Results (DSM2)

Appendix 4B
Attachment 7: Chloride Results (DSM2)

The following results of the DSM2 model are included for river chloride conditions for the following scenarios:

- Baseline Conditions (072623)
- Proposed Project (021624)

Title	Model Parameter	Table Numbers	Figure Numbers
Sac R at Mallard Slough	Post-processed (RSAC075)	4B-7-1-1a to 4B-7-1-1c	4B-7-1a to 4B-7-1r
Sac R at Rio Vista	Post-processed (RSAC101)	4B-7-2-1a to 4B-7-2-1c	4B-7-2a to 4B-7-2r
Sac R at Collinsville	Post-processed (RSAC081)	4B-7-3-1a to 4B-7-3-1c	4B-7-3a to 4B-7-3r
SJR at Jersey Point	Post-processed (RSAN018)	4B-7-4-1a to 4B-7-4-1c	4B-7-4a to 4B-7-4r
SJR at San Andreas	Post-processed (RSAN032)	4B-7-5-1a to 4B-7-5-1c	4B-7-5a to 4B-7-5r
SJR at Prisoners Point	Post-processed (RSAN037)	4B-7-6-1a to 4B-7-6-1c	4B-7-6a to 4B-7-6r
Old River at Highway 4	Post-processed (ROLD034)	4B-7-7-1a to 4B-7-7-1c	4B-7-7a to 4B-7-7r
Victoria Canal	Post-processed (CHVCT000)	4B-7-8-1a to 4B-7-8-1c	4B-7-8a to 4B-7-8r
Contra Costa Pumping Plant	Post-processed (ROLD024)	4B-7-9-1a to 4B-7-9-1c	4B-7-9a to 4B-7-9r
SJR at Antioch	Post-processed (RSAN007)	4B-7-10-1a to 4B-7-10-1c	4B-7-10a to 4B-7-10r
Banks Pumping Plant South Delta Exports	Post-processed (CLIFTONCOURT)	4B-7-11-1a to 4B-7-11-1c	4B-7-11a to 4B-7-11r
Jones Pumping Plant South Delta Exports	Post-processed (CHDMC006)	4B-7-12-1a to 4B-7-12-1c	4B-7-12a to 4B-7-12r
North Bay Aqueduct	Post-processed (SLBAR002)	4B-7-13-1a to 4B-7-13-1c	4B-7-13a to 4B-7-13r

Report formats:

- Monthly tables comparing two scenarios (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 scenarios.
- Monthly exceedance charts (all months) including all scenarios.

Table 4B-7-1-1a. Sacramento River at Mallard Slough Chloride, Baseline Conditions 072623, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,507	4,398	3,590	2,751	1,298	1,040	1,253	1,621	2,287	3,116	3,568	4,247
20% Exceedance	4,062	4,022	3,444	2,303	875	599	830	1,174	1,699	2,500	3,220	3,889
30% Exceedance	3,959	3,726	2,968	1,614	417	255	578	970	1,616	2,249	3,053	3,647
40% Exceedance	3,647	3,543	2,685	916	261	187	342	596	1,445	2,013	2,737	3,194
50% Exceedance	3,137	2,630	2,151	654	146	118	204	331	1,154	1,822	2,537	3,015
60% Exceedance	1,477	2,306	1,366	383	52	49	100	242	906	1,416	2,050	1,571
70% Exceedance	1,378	2,158	623	73	21	22	61	120	566	1,277	1,883	1,462
80% Exceedance	1,352	1,827	304	22	18	18	25	40	139	980	1,768	1,430
90% Exceedance	1,253	1,003	140	17	17	17	17	19	34	792	1,643	1,363
Full Simulation Period Average[a]	2,733	2,793	1,934	1,028	468	339	435	630	1,148	1,778	2,463	2,680
Wet Water Years (30%)	2,315	2,080	689	194	31	32	65	123	347	876	1,569	1,312
Above Normal Years (11%)	2,803	2,885	1,904	368	65	57	76	191	678	1,204	1,869	1,380
Below Normal Years (21%)	2,503	2,606	2,279	1,076	378	194	267	428	1,147	1,821	2,570	3,042
Dry Water Years (22%)	2,714	3,046	2,515	1,695	748	512	661	909	1,561	2,364	3,064	3,679
Critical Water Years (16%)	3,795	3,962	3,039	2,068	1,300	1,061	1,289	1,766	2,407	3,002	3,581	4,287

Table 4B-7-1-1b. Sacramento River at Mallard Slough Chloride, Proposed Project 021624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,509	4,401	3,626	2,674	1,243	995	1,207	1,676	2,340	3,136	3,573	4,248
20% Exceedance	4,108	4,027	3,456	2,227	850	539	790	1,160	1,683	2,491	3,264	3,976
30% Exceedance	3,967	3,735	2,889	1,503	419	245	561	991	1,615	2,240	3,046	3,819
40% Exceedance	3,708	3,543	2,698	865	252	168	314	635	1,452	1,916	2,644	3,386
50% Exceedance	3,277	2,668	2,120	630	144	114	212	394	1,131	1,758	2,458	3,115
60% Exceedance	1,493	2,308	1,342	372	49	50	104	299	895	1,434	2,098	1,621
70% Exceedance	1,388	2,126	614	74	21	22	71	138	553	1,231	1,951	1,483
80% Exceedance	1,354	1,794	293	22	18	18	25	39	130	923	1,857	1,445
90% Exceedance	1,294	1,037	139	17	17	17	17	21	35	782	1,753	1,423
Full Simulation Period Average[a]	2,766	2,794	1,927	1,001	437	312	429	655	1,153	1,754	2,488	2,756
Wet Water Years (30%)	2,378	2,087	695	188	31	32	73	150	345	872	1,645	1,357
Above Normal Years (11%)	2,823	2,861	1,947	370	64	53	75	219	670	1,169	1,939	1,425
Below Normal Years (21%)	2,510	2,622	2,265	1,042	368	175	253	472	1,148	1,732	2,502	3,178
Dry Water Years (22%)	2,745	3,043	2,511	1,698	703	440	623	901	1,567	2,358	3,100	3,807
Critical Water Years (16%)	3,823	3,960	2,978	1,944	1,181	1,019	1,303	1,803	2,437	3,010	3,587	4,294

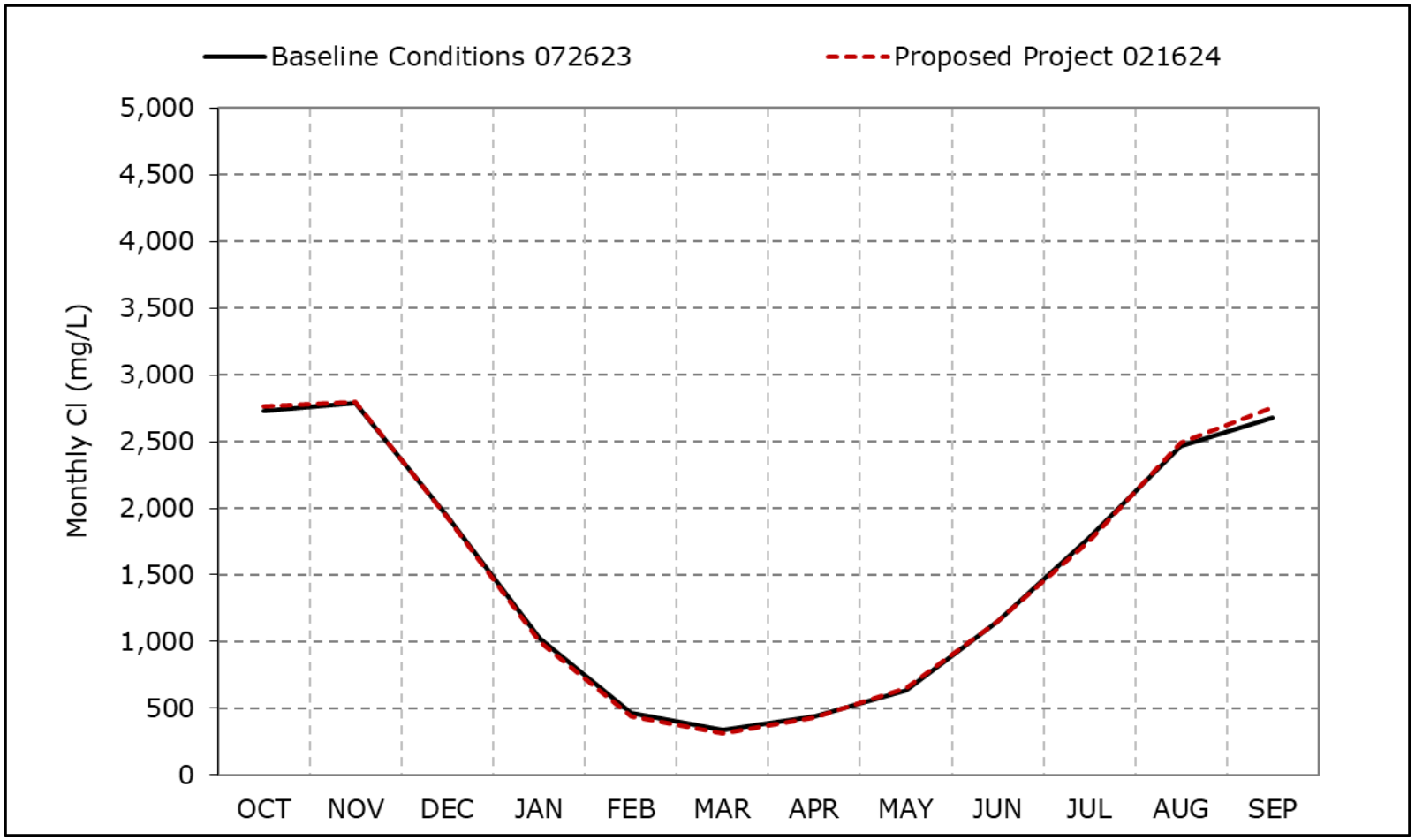
Table 4B-7-1-1c. Sacramento River at Mallard Slough Chloride, Proposed Project 021624 minus Baseline Conditions 072623, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1	3	36	-76	-56	-45	-46	54	53	20	5	2
20% Exceedance	47	5	12	-77	-25	-60	-40	-14	-16	-9	44	87
30% Exceedance	8	9	-79	-110	1	-10	-17	22	-1	-9	-7	173
40% Exceedance	61	1	13	-52	-9	-18	-28	39	6	-97	-93	192
50% Exceedance	141	38	-31	-24	-2	-4	8	63	-23	-64	-79	100
60% Exceedance	16	2	-25	-11	-3	1	4	57	-11	19	49	50
70% Exceedance	10	-33	-9	1	0	0	9	19	-13	-46	68	21
80% Exceedance	2	-34	-11	0	0	0	0	-1	-8	-57	89	15
90% Exceedance	41	34	0	0	0	0	0	1	1	-10	110	59
Full Simulation Period Average[a]	34	2	-7	-28	-31	-27	-7	25	5	-24	25	76
Wet Water Years (30%)	63	7	5	-6	0	0	8	27	-2	-4	76	44
Above Normal Years (11%)	21	-24	43	3	-1	-4	0	27	-8	-35	69	45
Below Normal Years (21%)	7	16	-14	-34	-10	-19	-14	45	1	-90	-68	135
Dry Water Years (22%)	31	-4	-4	2	-45	-72	-39	-8	5	-7	35	129
Critical Water Years (16%)	28	-2	-61	-123	-118	-42	14	37	30	8	6	7

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

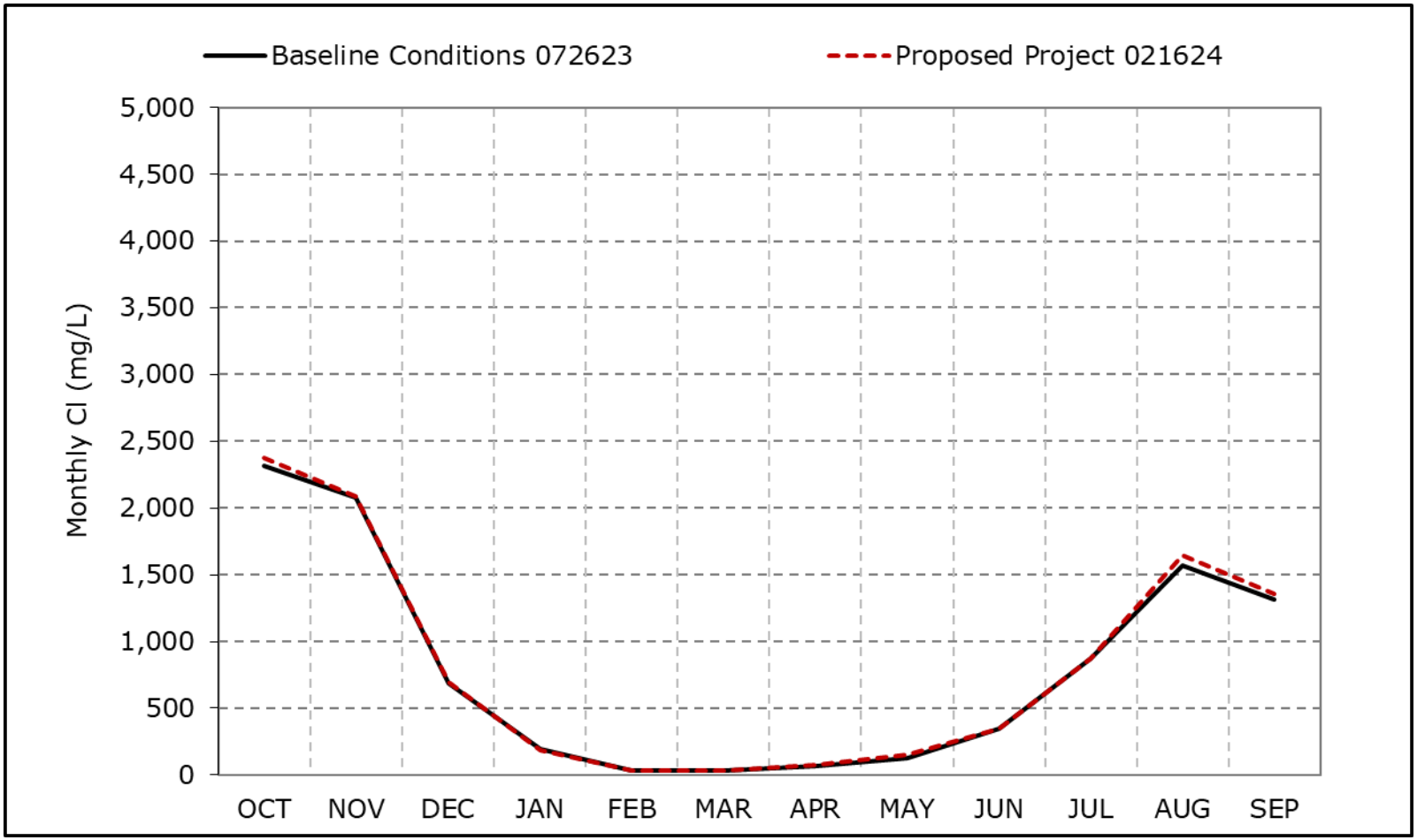
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-7-1a. Sacramento River at Mallard Slough Chloride, Long-Term Average Cl



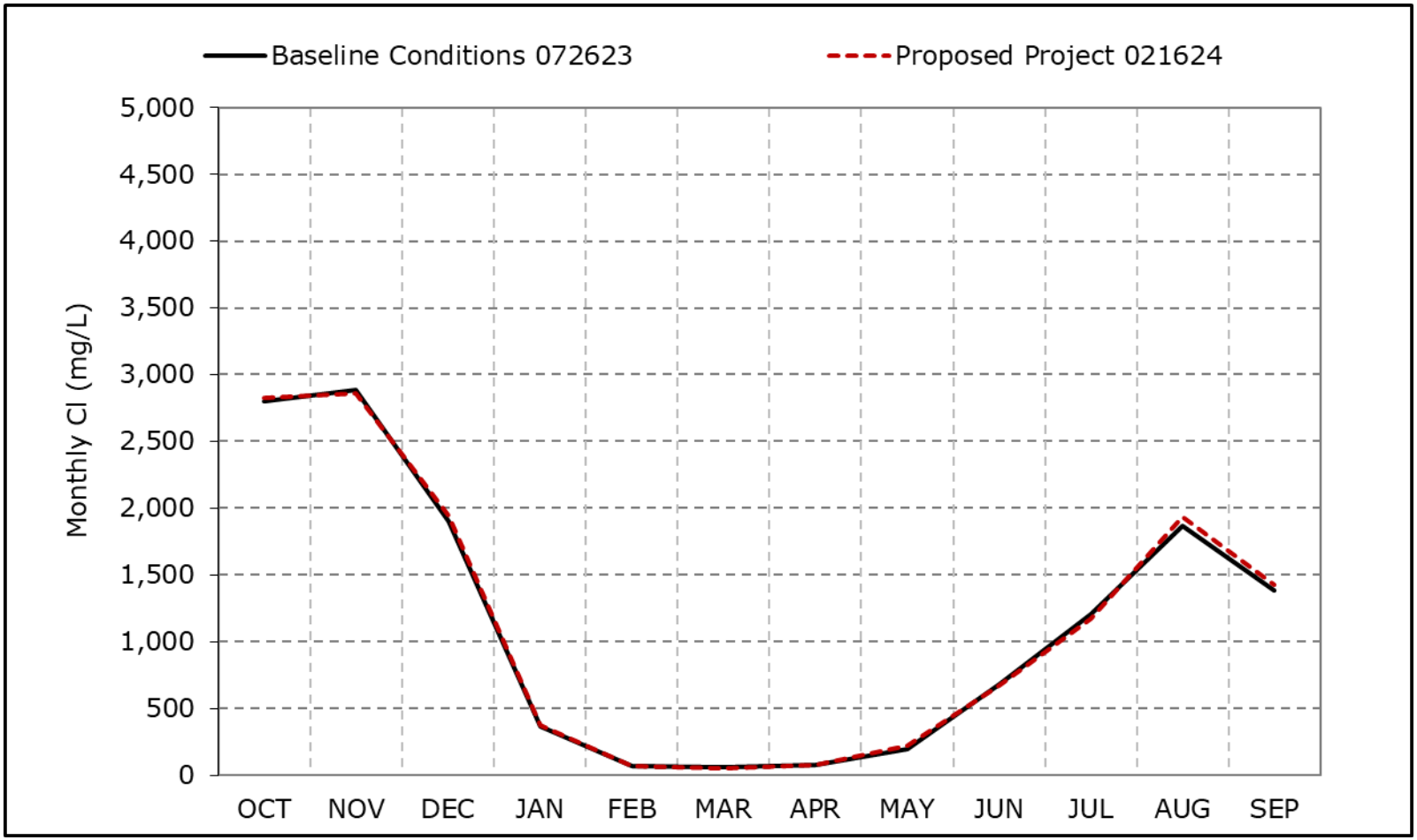
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-1b. Sacramento River at Mallard Slough Chloride, Wet Year Average Cl



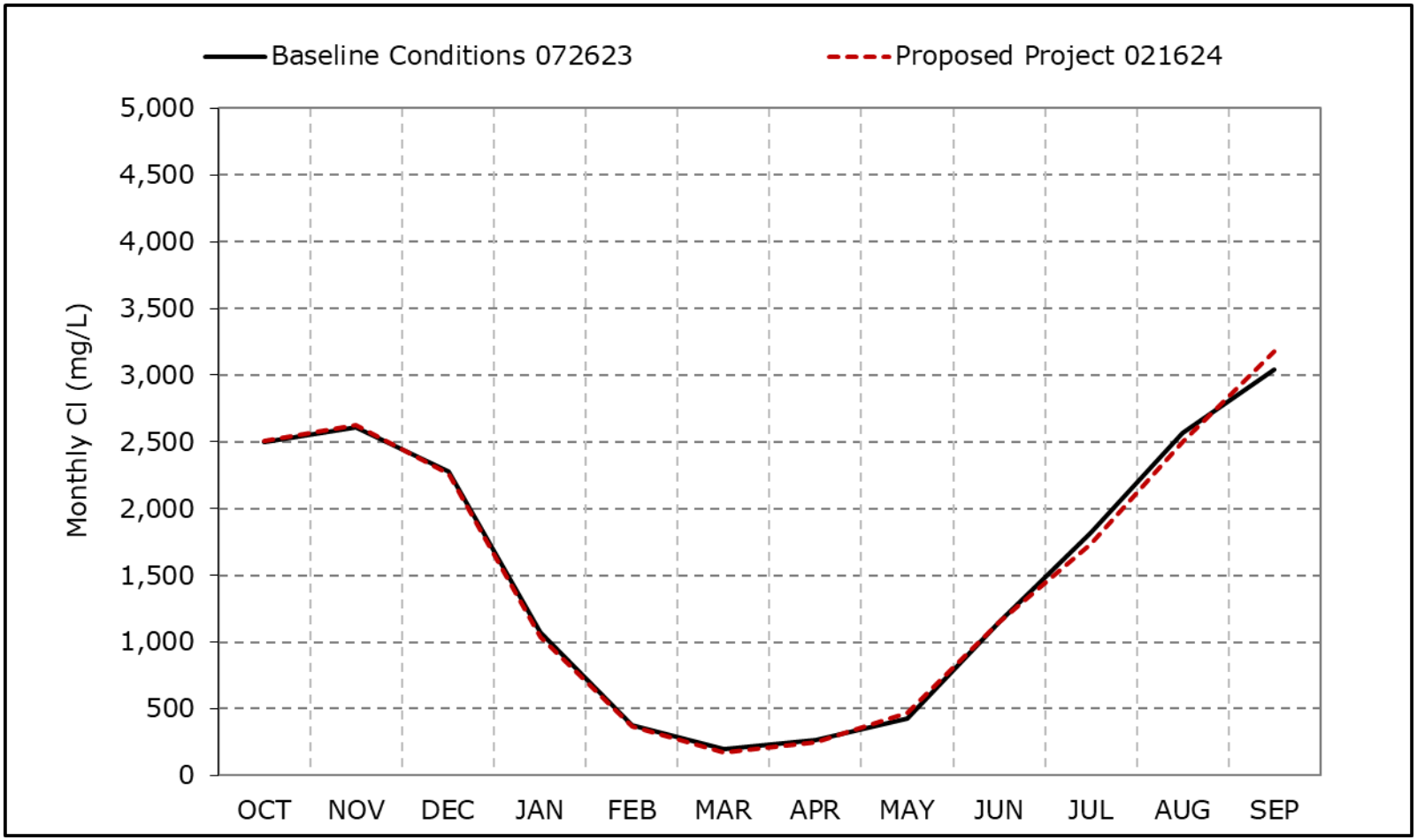
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-1c. Sacramento River at Mallard Slough Chloride, Above Normal Year Average Cl



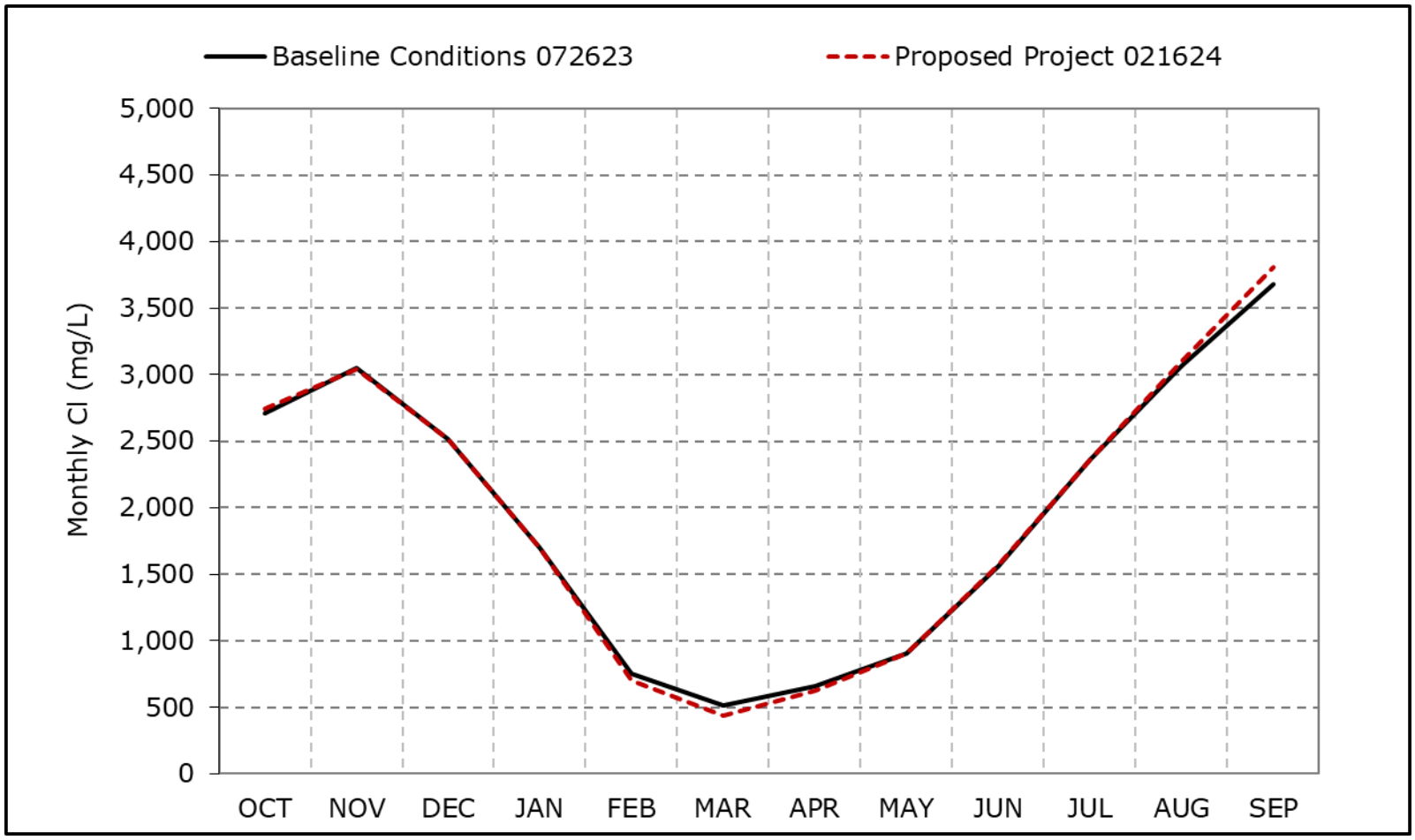
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-1d. Sacramento River at Mallard Slough Chloride, Below Normal Year Average Cl



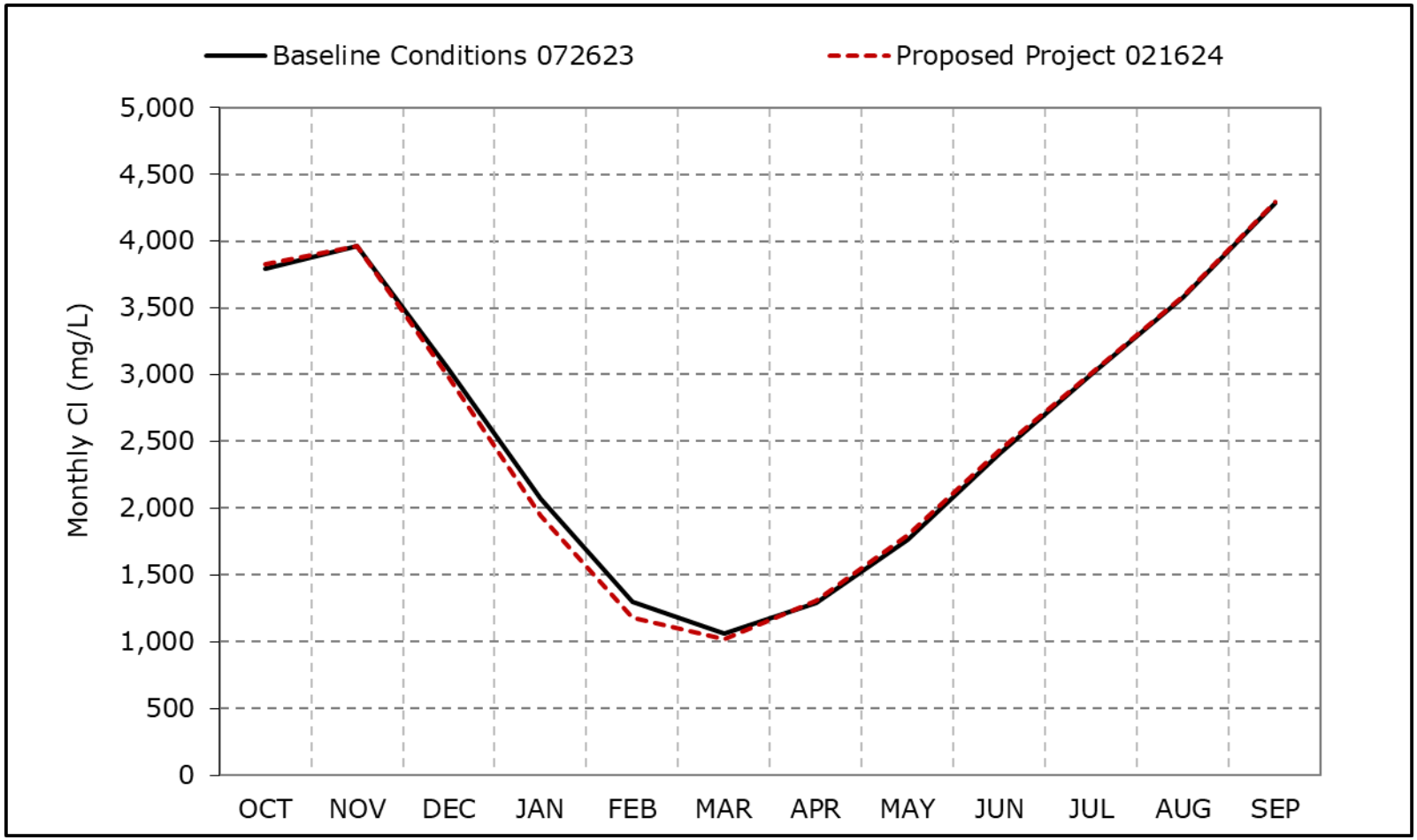
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-1e. Sacramento River at Mallard Slough Chloride, Dry Year Average Cl



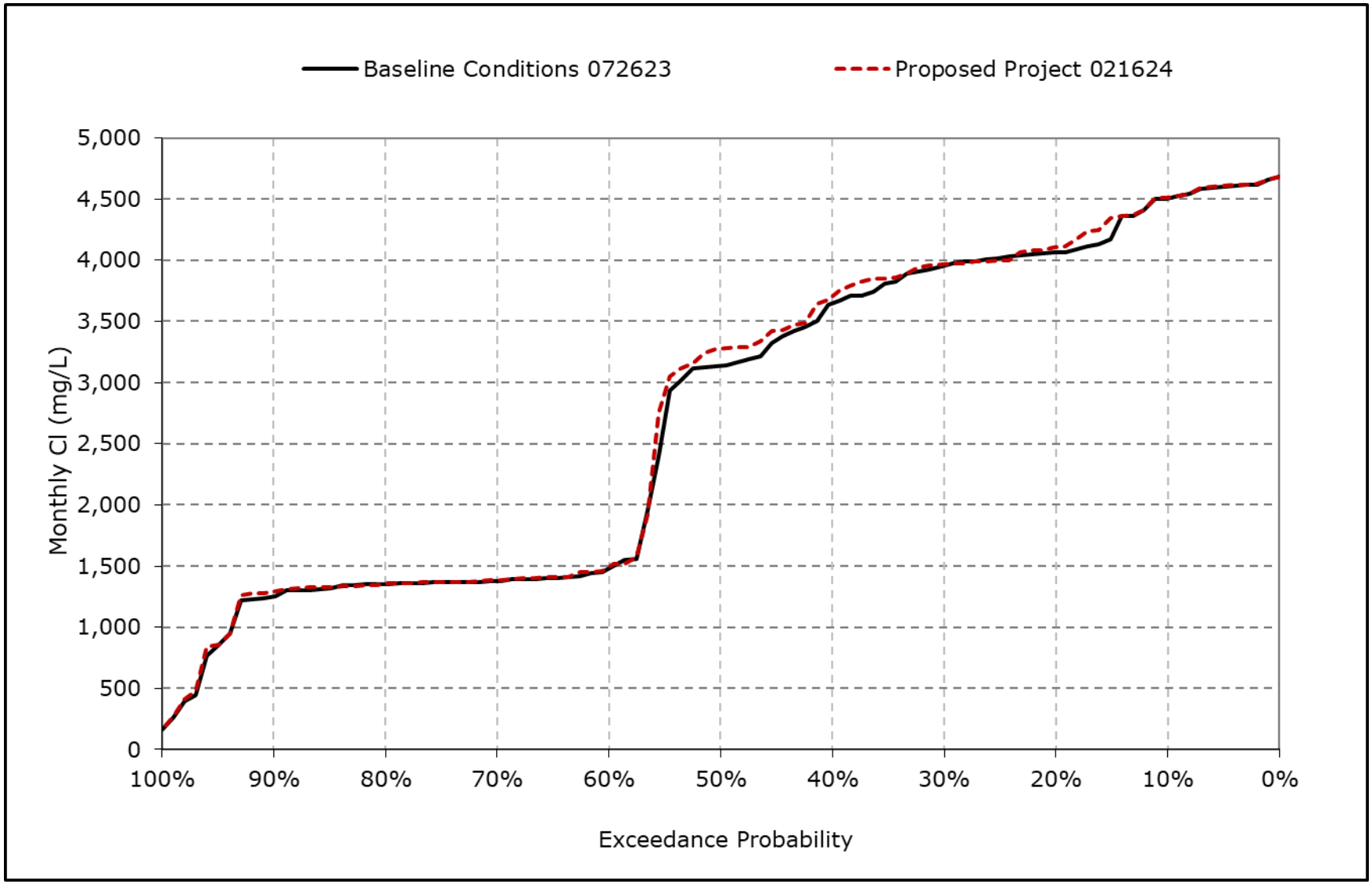
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-1f. Sacramento River at Mallard Slough Chloride, Critical Year Average Cl



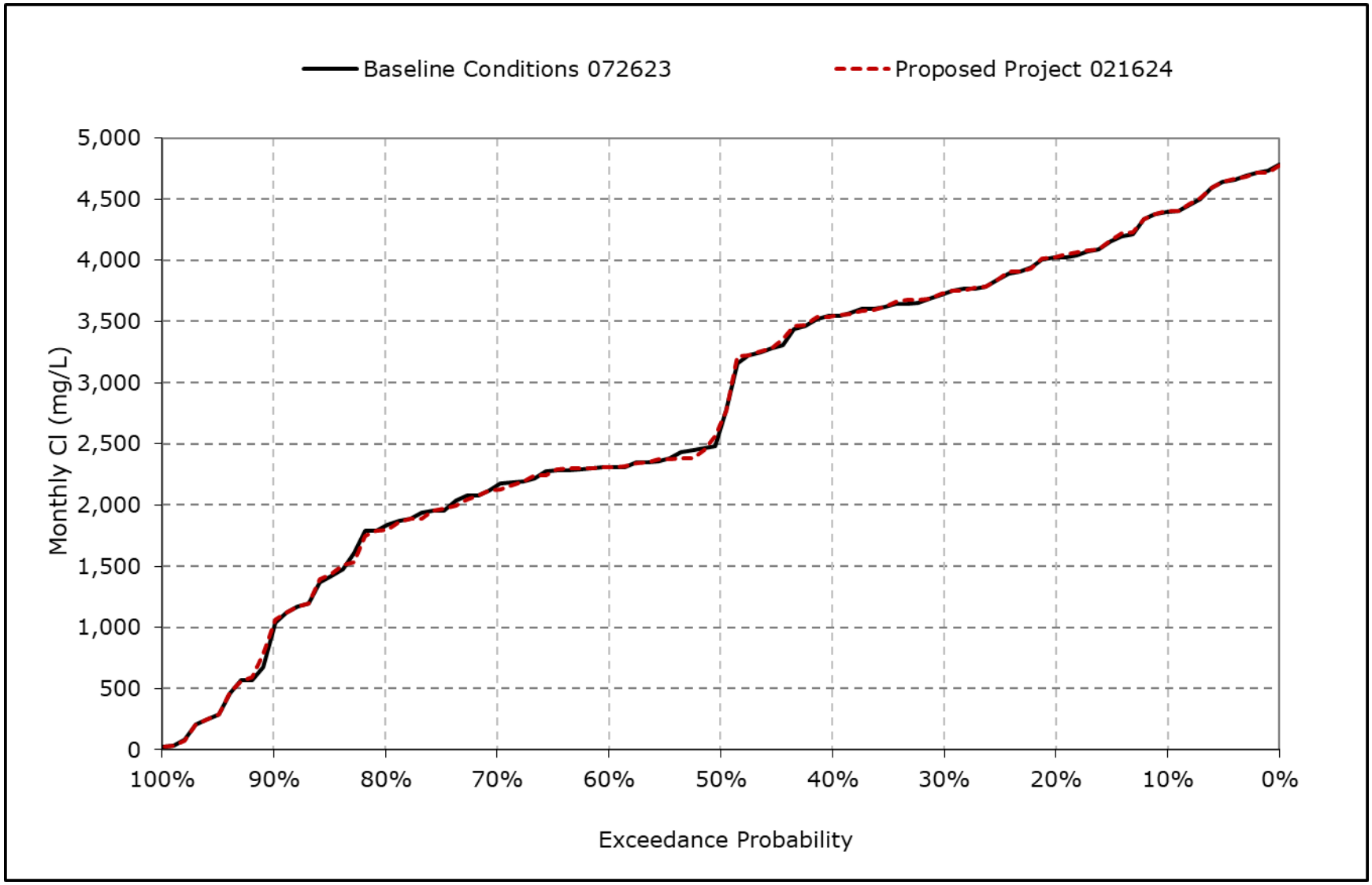
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-1g. Sacramento River at Mallard Slough Chloride, October Cl



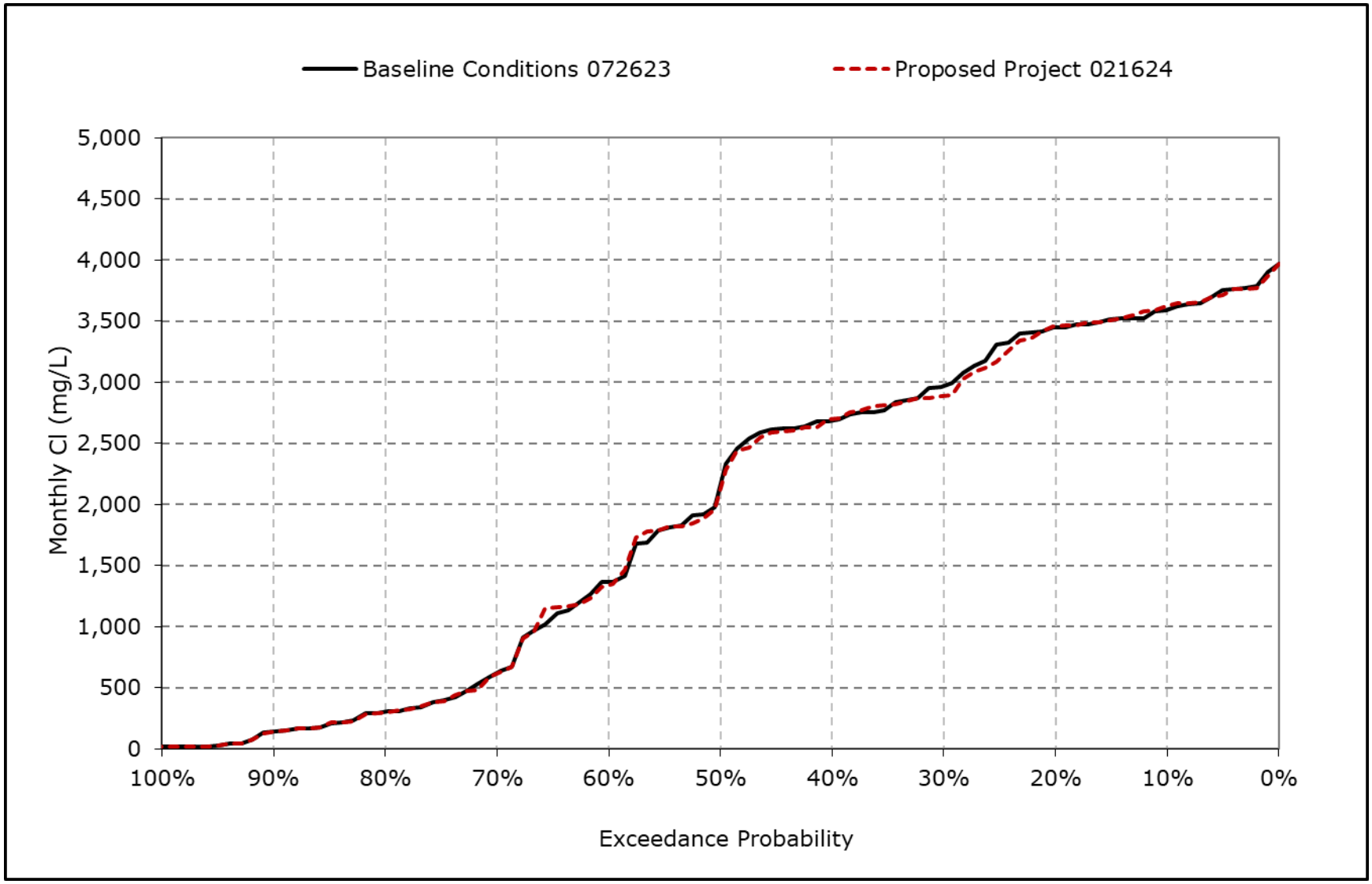
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-1h. Sacramento River at Mallard Slough Chloride, November Cl



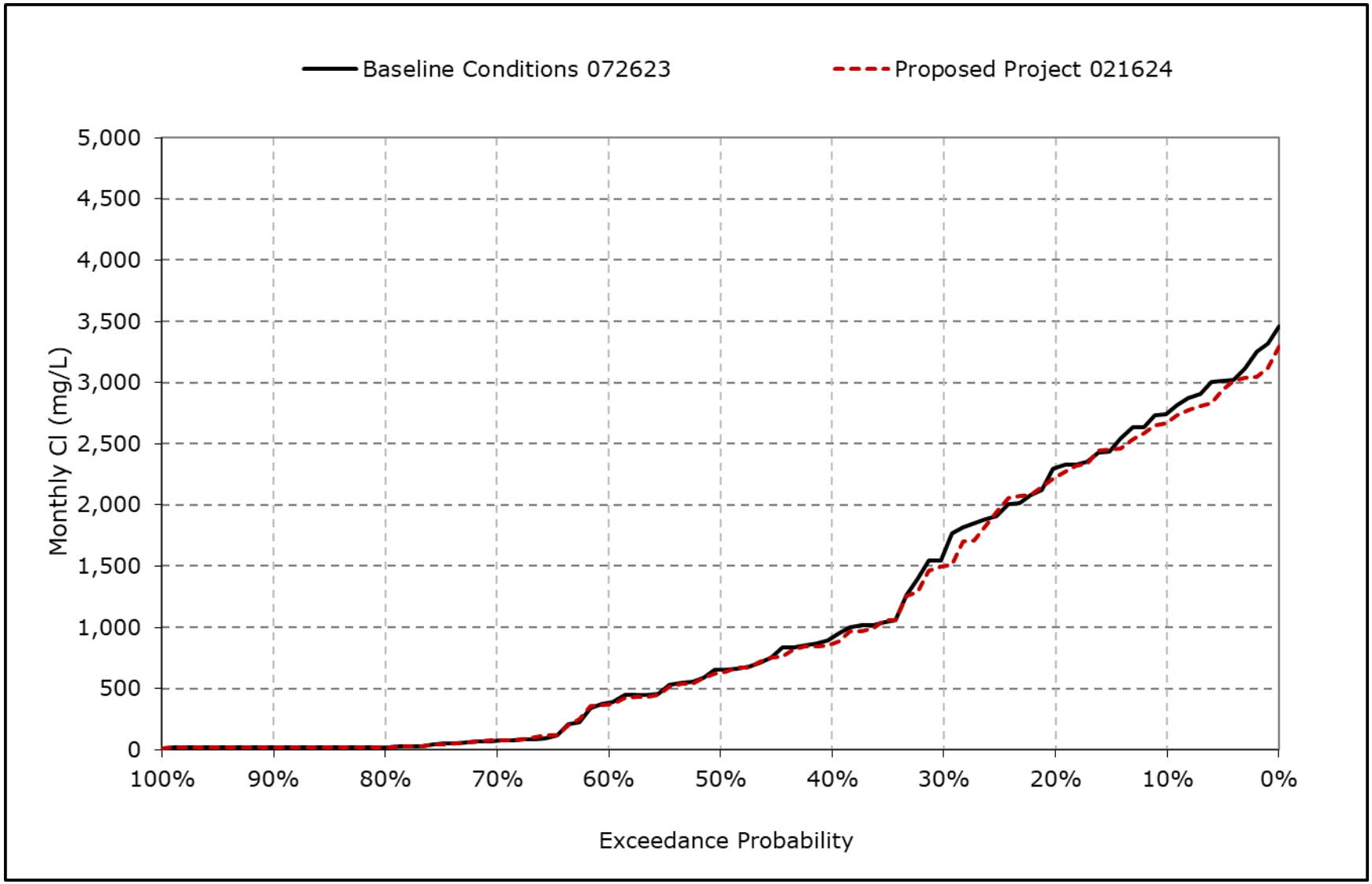
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-1i. Sacramento River at Mallard Slough Chloride, December Cl



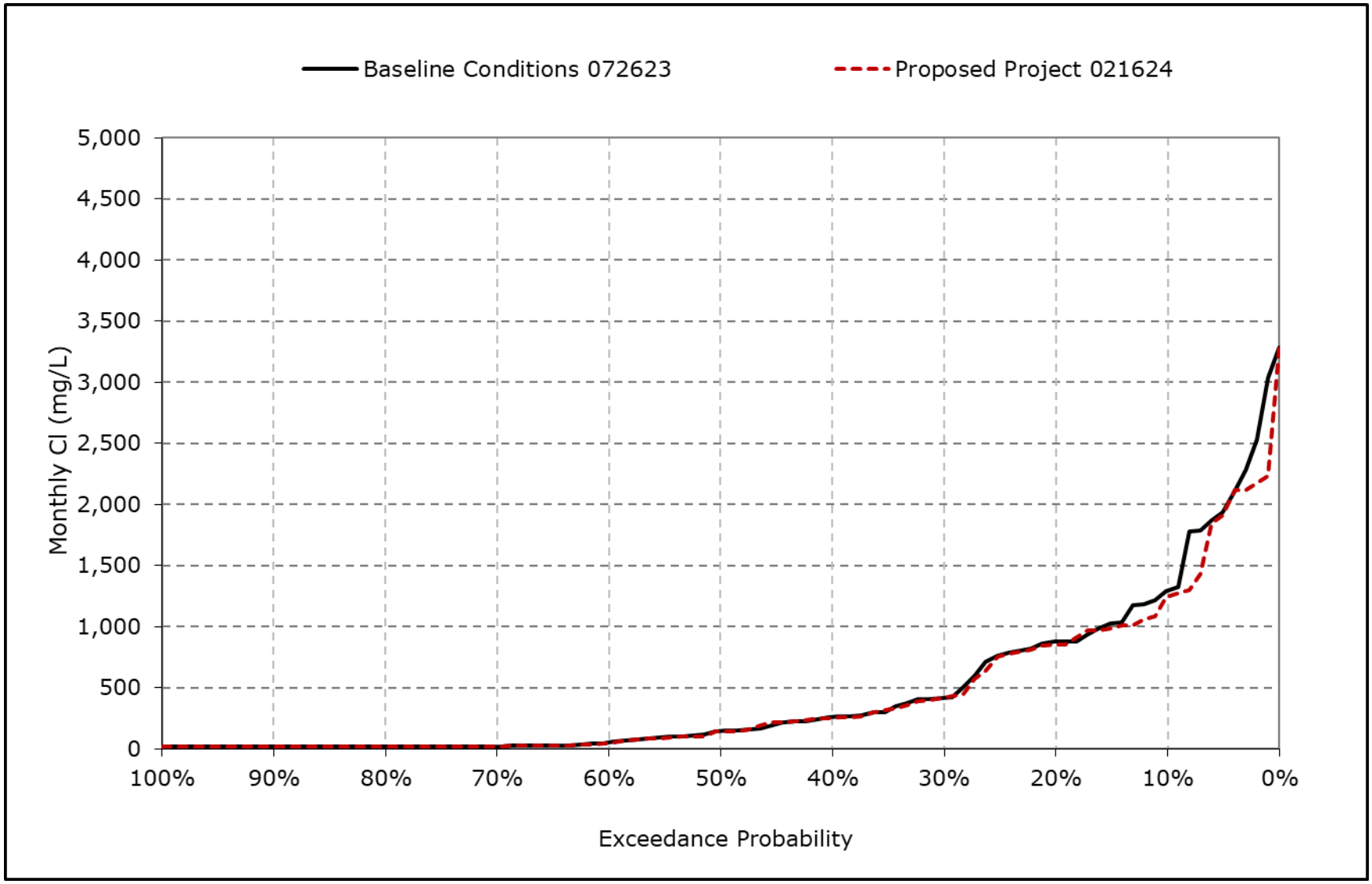
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-1j. Sacramento River at Mallard Slough Chloride, January Cl



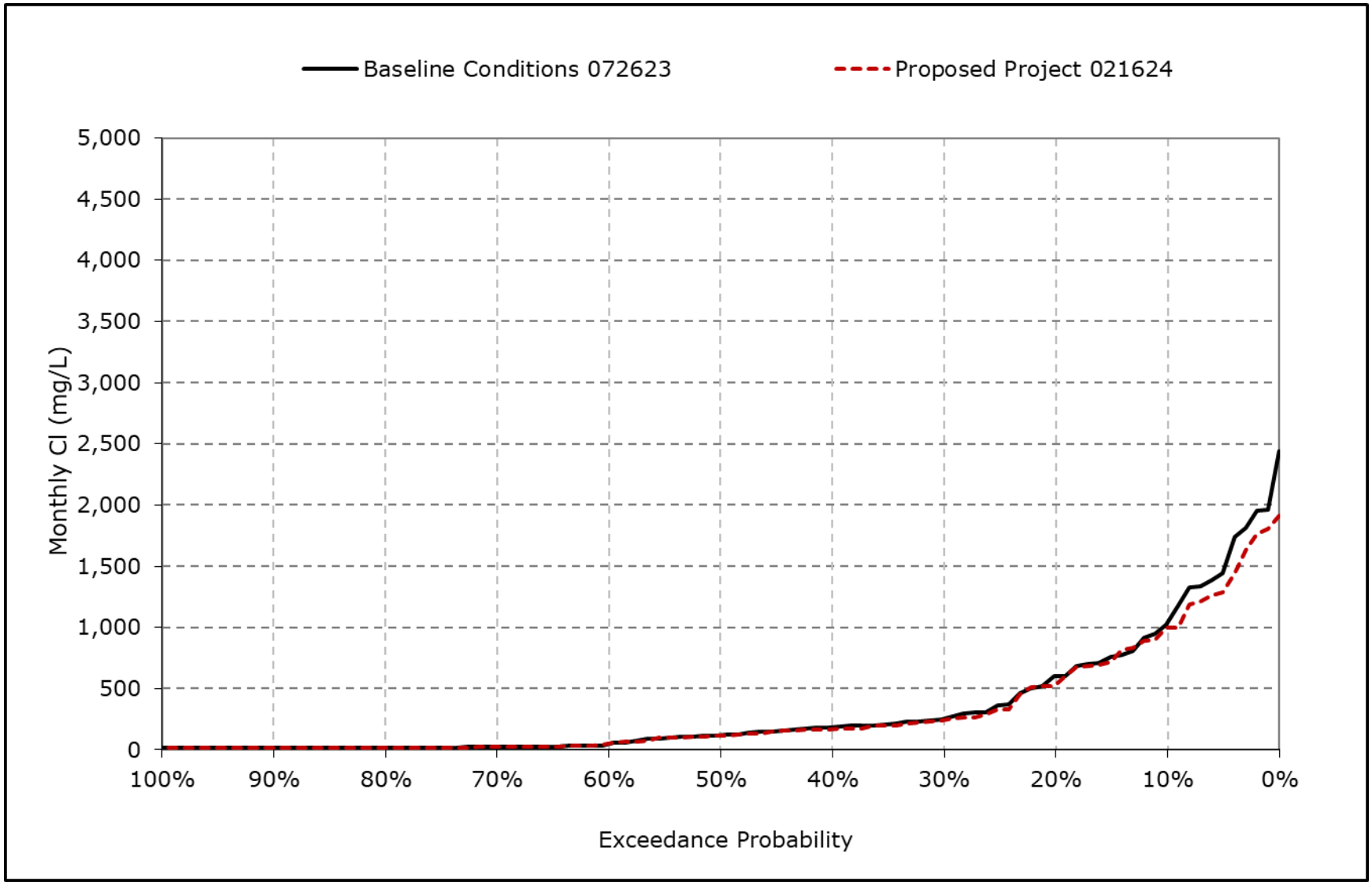
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-1k. Sacramento River at Mallard Slough Chloride, February Cl



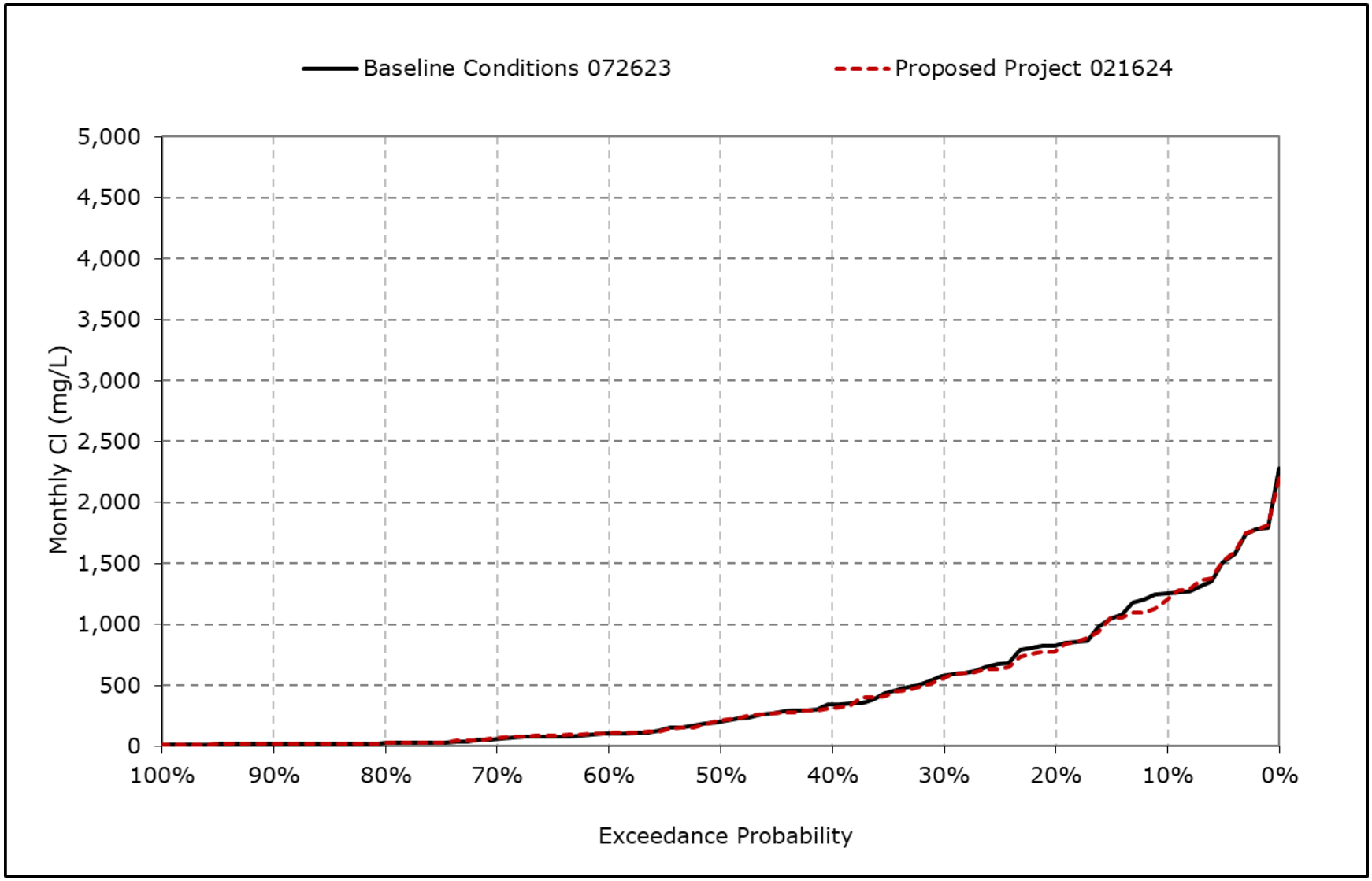
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-1l. Sacramento River at Mallard Slough Chloride, March Cl



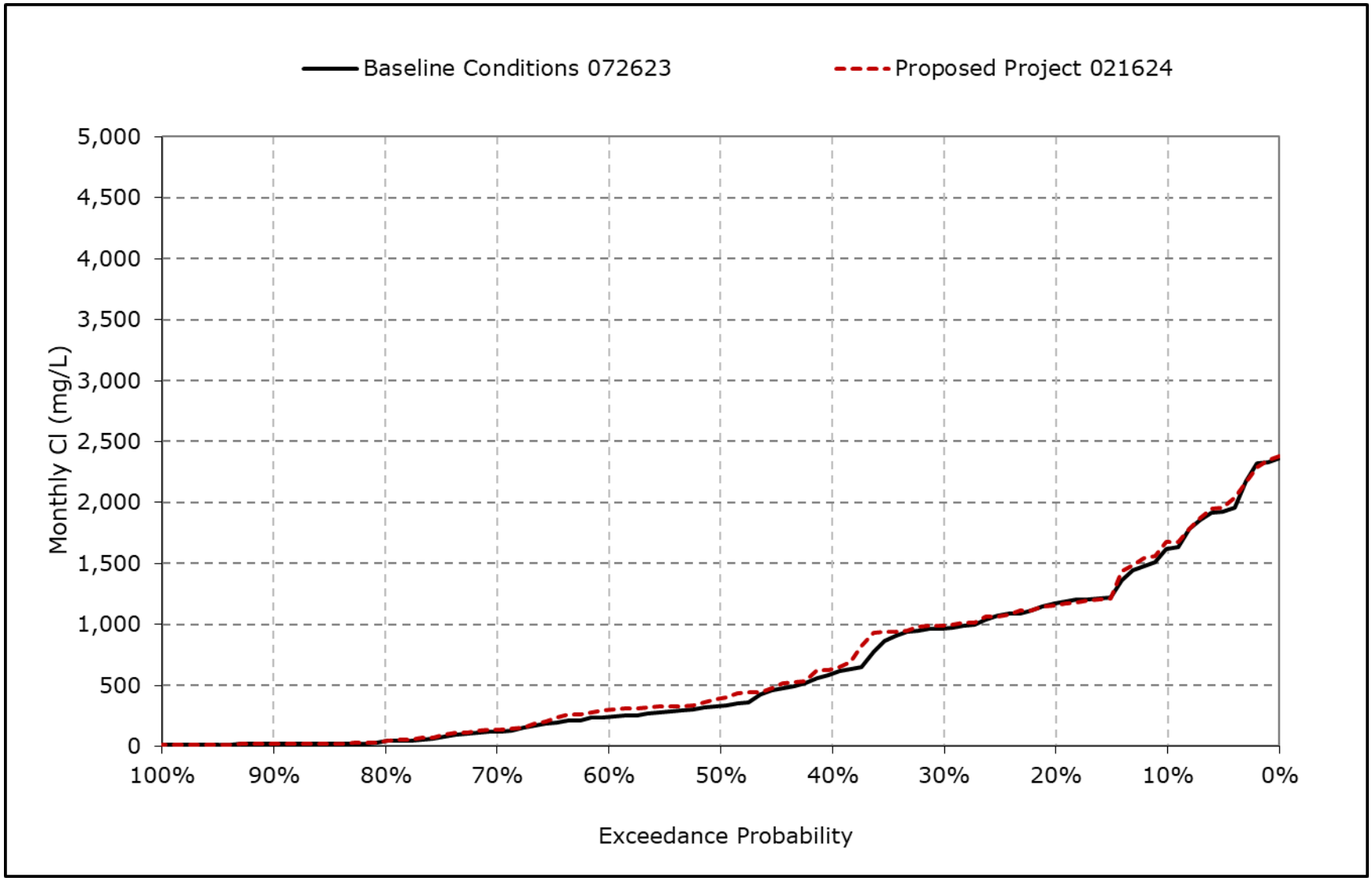
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-1m. Sacramento River at Mallard Slough Chloride, April Cl



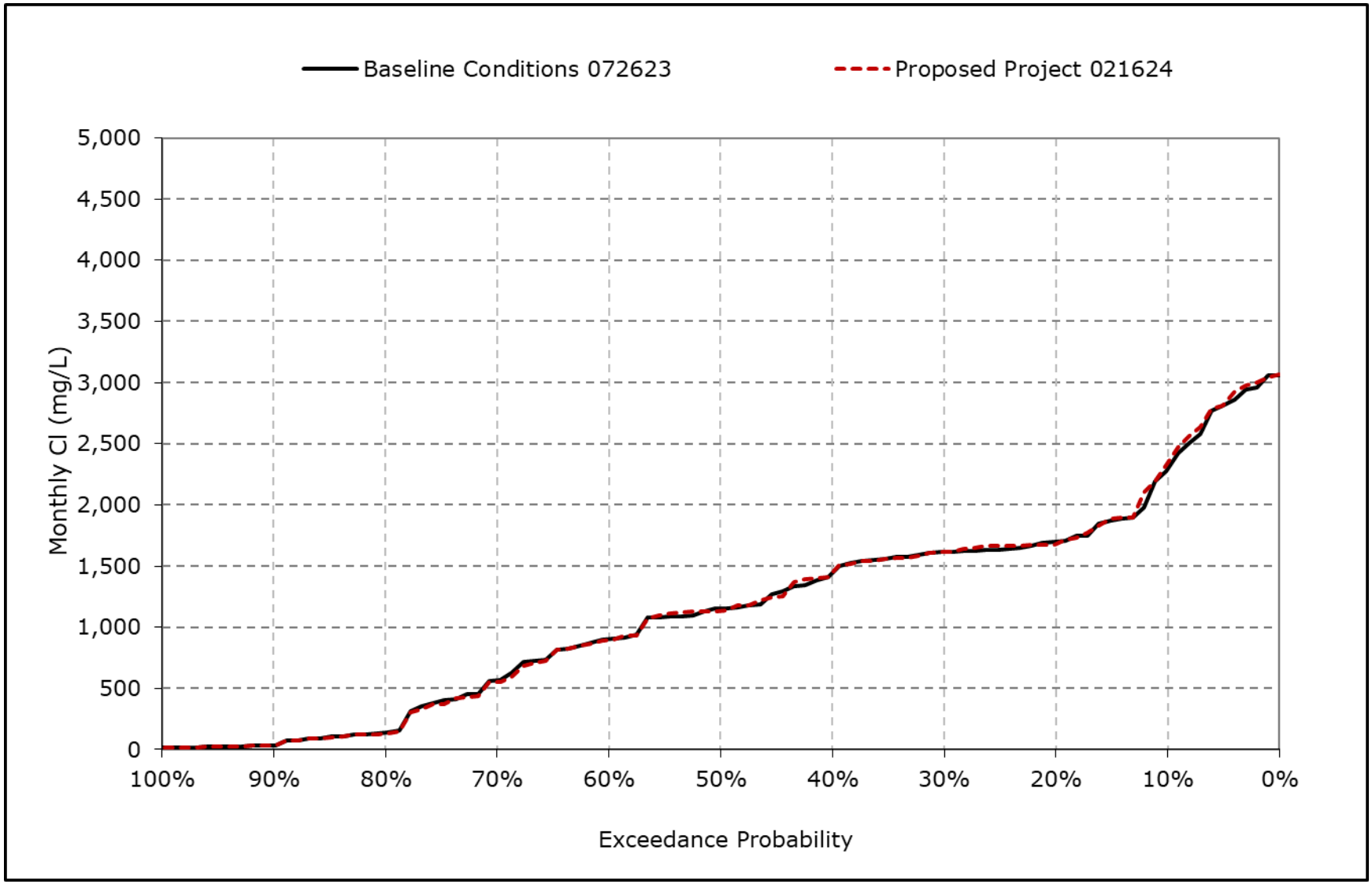
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-1n. Sacramento River at Mallard Slough Chloride, May Cl



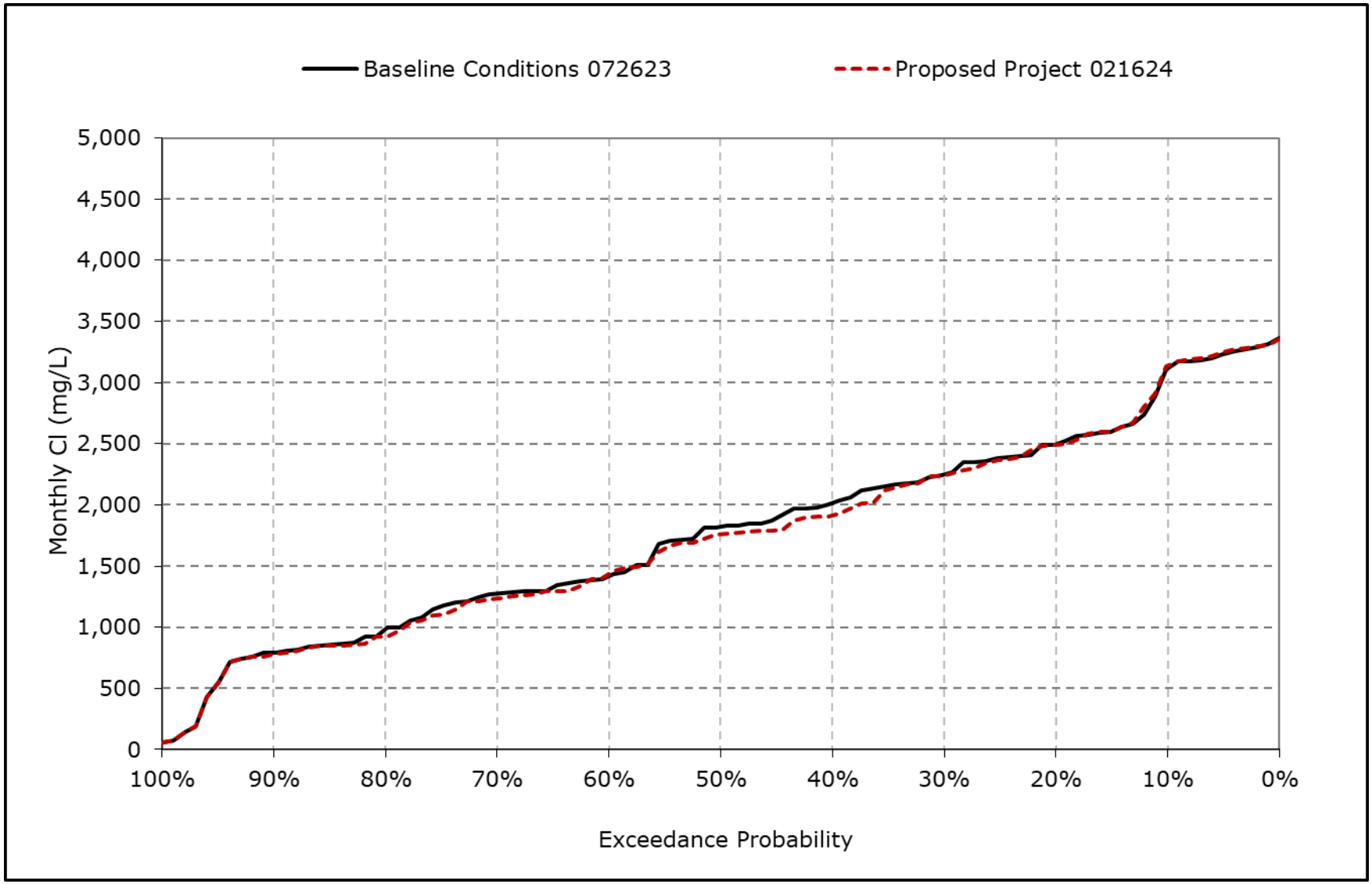
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-1o. Sacramento River at Mallard Slough Chloride, June Cl



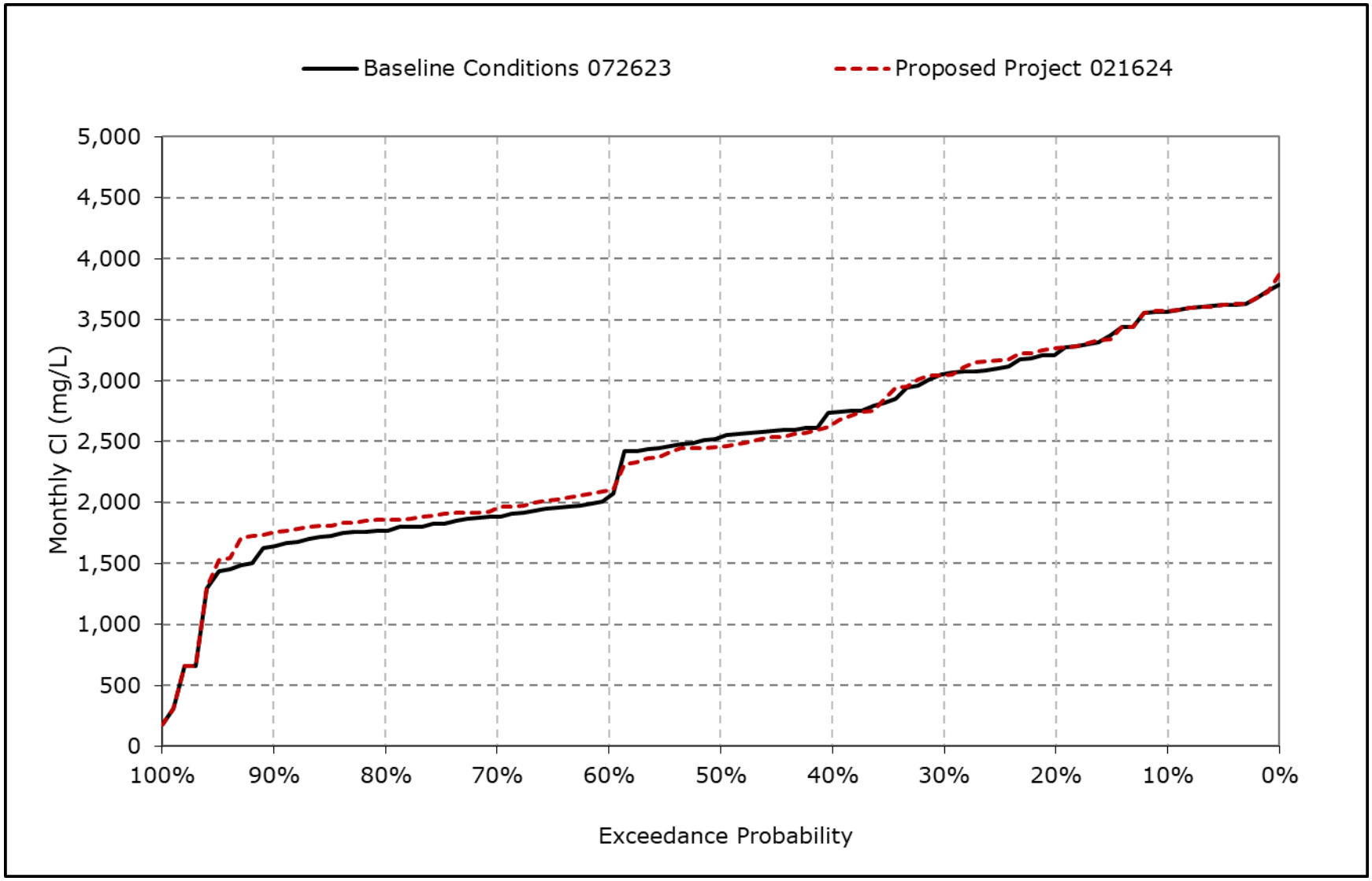
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-1p. Sacramento River at Mallard Slough Chloride, July Cl



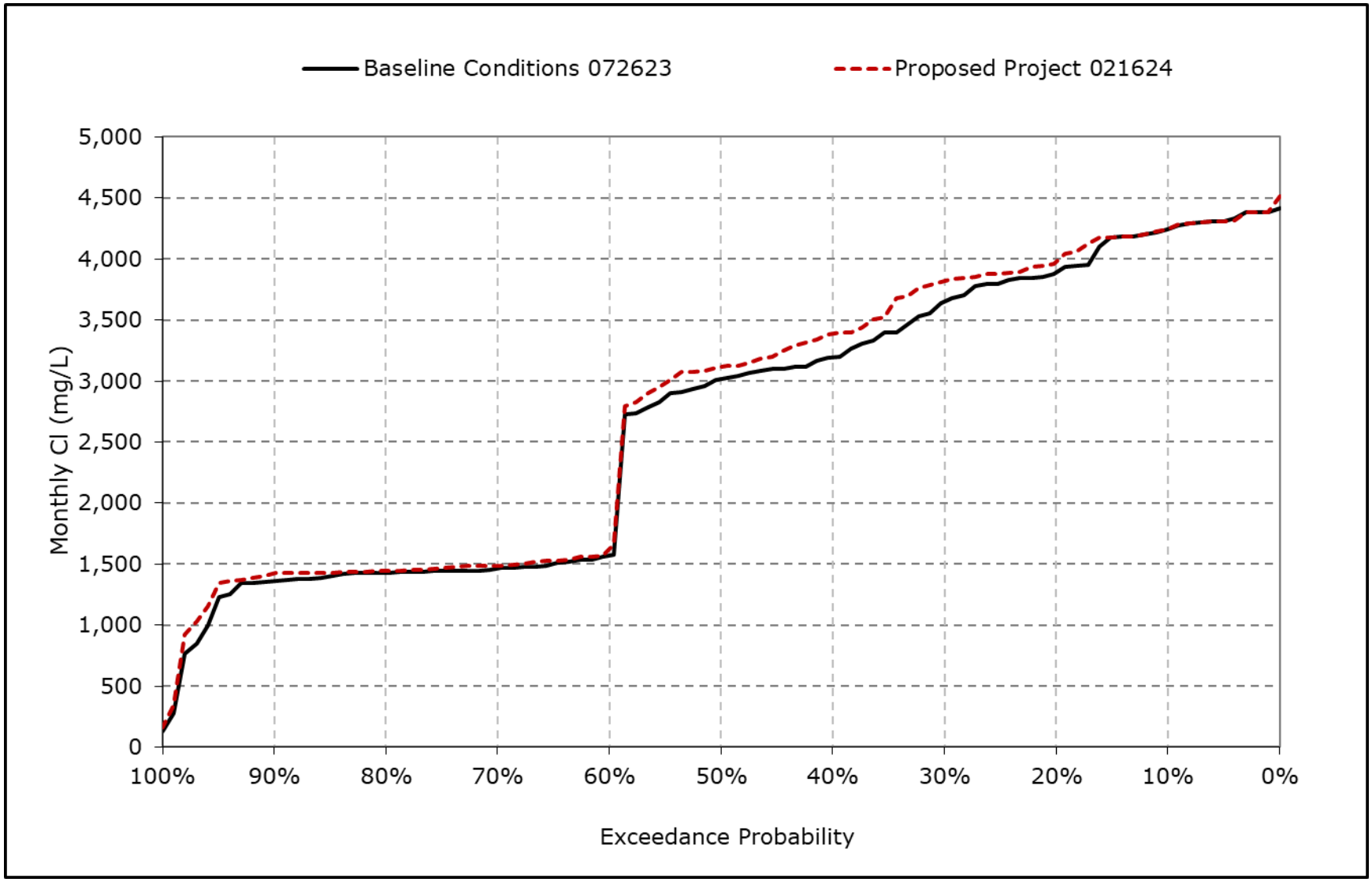
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-1q. Sacramento River at Mallard Slough Chloride, August Cl



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

Figure 4B-7-1r. Sacramento River at Mallard Slough Chloride, September Cl



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

Table 4B-7-2-1a. Sacramento River at Rio Vista Chloride, Baseline Conditions 072623, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	83	93	51	29	19	18	18	19	27	28	55	65
20% Exceedance	62	61	40	24	18	17	17	17	19	21	34	49
30% Exceedance	52	47	28	20	17	16	17	17	18	19	27	41
40% Exceedance	42	35	26	18	17	16	16	16	17	18	22	30
50% Exceedance	31	23	23	17	16	16	16	16	17	17	21	25
60% Exceedance	16	21	18	16	16	15	16	15	16	16	18	17
70% Exceedance	16	20	17	15	15	15	15	15	15	16	17	16
80% Exceedance	16	18	16	15	15	15	15	15	15	15	17	16
90% Exceedance	16	16	15	15	15	15	15	15	15	15	16	16
Full Simulation Period Average[a]	40	41	28	20	17	16	16	16	19	20	27	33
Wet Water Years (30%)	31	25	17	16	15	15	15	15	15	15	17	16
Above Normal Years (11%)	43	47	23	16	16	15	15	15	16	15	17	16
Below Normal Years (21%)	35	33	32	19	16	16	16	16	17	17	21	28
Dry Water Years (22%)	38	40	32	22	18	17	17	17	18	20	30	43
Critical Water Years (16%)	62	80	40	31	22	19	19	21	32	36	57	68

Table 4B-7-2-1b. Sacramento River at Rio Vista Chloride, Proposed Project 021624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	86	93	52	28	19	18	18	19	28	29	54	64
20% Exceedance	60	61	38	24	18	17	17	17	19	22	33	51
30% Exceedance	54	49	29	20	17	16	17	16	18	19	30	42
40% Exceedance	42	36	26	18	17	16	16	16	17	18	22	31
50% Exceedance	30	23	22	17	16	16	16	16	17	17	21	25
60% Exceedance	16	21	18	16	16	15	16	15	16	16	18	17
70% Exceedance	16	20	17	15	15	15	15	15	15	16	18	16
80% Exceedance	16	18	16	15	15	15	15	15	15	15	17	16
90% Exceedance	16	16	15	15	15	15	15	15	15	15	17	16
Full Simulation Period Average[a]	40	42	27	20	17	16	16	16	19	20	27	33
Wet Water Years (30%)	32	25	17	16	15	15	15	15	15	15	17	16
Above Normal Years (11%)	43	47	23	16	16	15	15	15	16	16	17	16
Below Normal Years (21%)	35	34	32	19	17	16	16	16	17	17	21	28
Dry Water Years (22%)	39	40	32	22	18	17	17	16	18	20	31	44
Critical Water Years (16%)	64	82	38	29	21	18	19	21	32	36	57	69

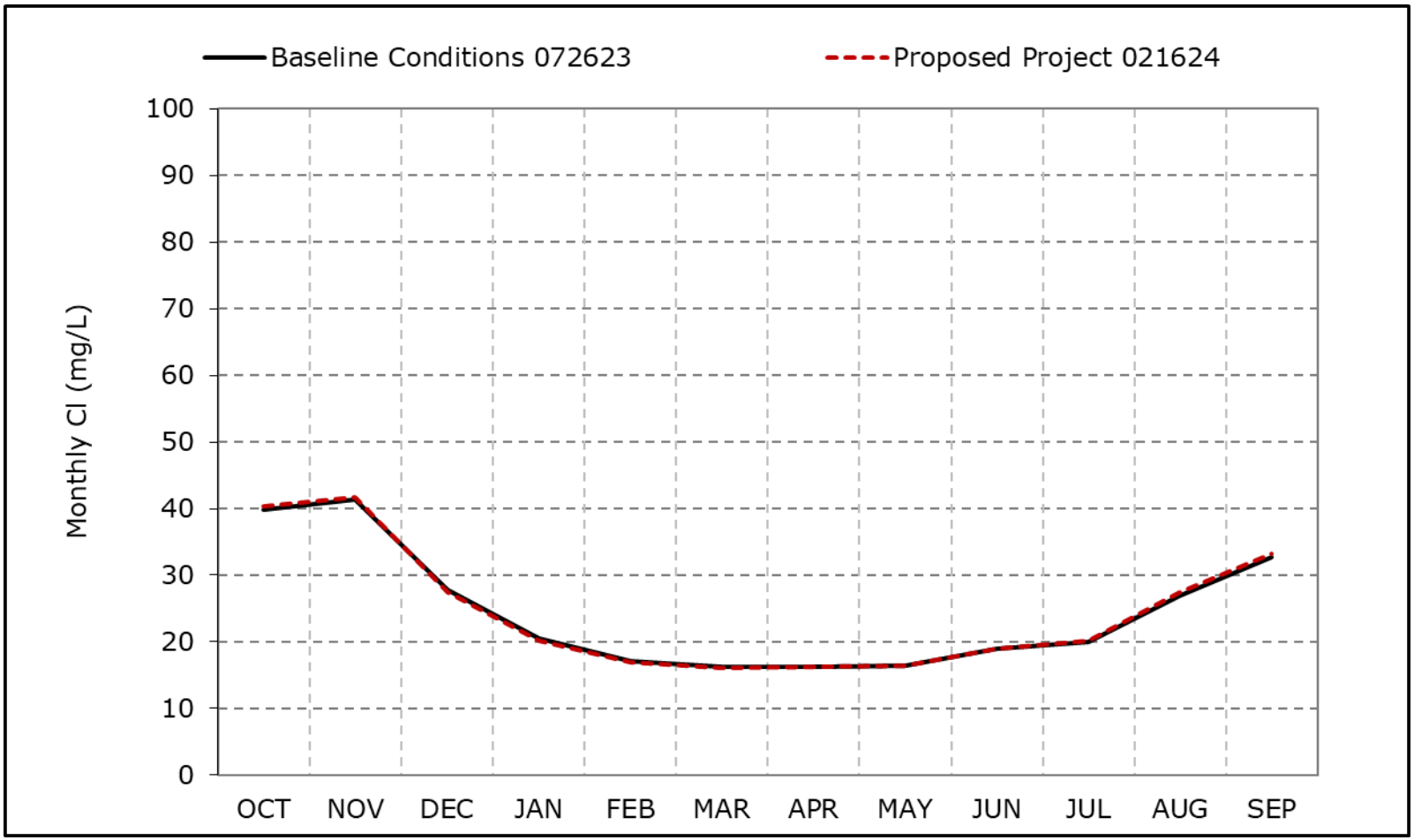
Table 4B-7-2-1c. Sacramento River at Rio Vista Chloride, Proposed Project 021624 minus Baseline Conditions 072623, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2	0	0	-1	0	0	0	0	1	1	-2	0
20% Exceedance	-2	0	-2	1	0	0	0	0	0	1	0	1
30% Exceedance	2	2	1	-1	0	0	0	0	0	0	3	1
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	2
50% Exceedance	-1	1	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	1	0	0	0	0	0	0	0	0	0	0	1
Wet Water Years (30%)	1	0	0	0	0	0	0	0	0	0	0	0
Above Normal Years (11%)	0	0	1	0	0	0	0	0	0	0	1	0
Below Normal Years (21%)	0	1	0	0	0	0	0	0	0	0	0	0
Dry Water Years (22%)	1	0	0	0	0	0	0	0	0	0	2	2
Critical Water Years (16%)	1	2	-2	-2	-1	0	0	0	1	0	0	1

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

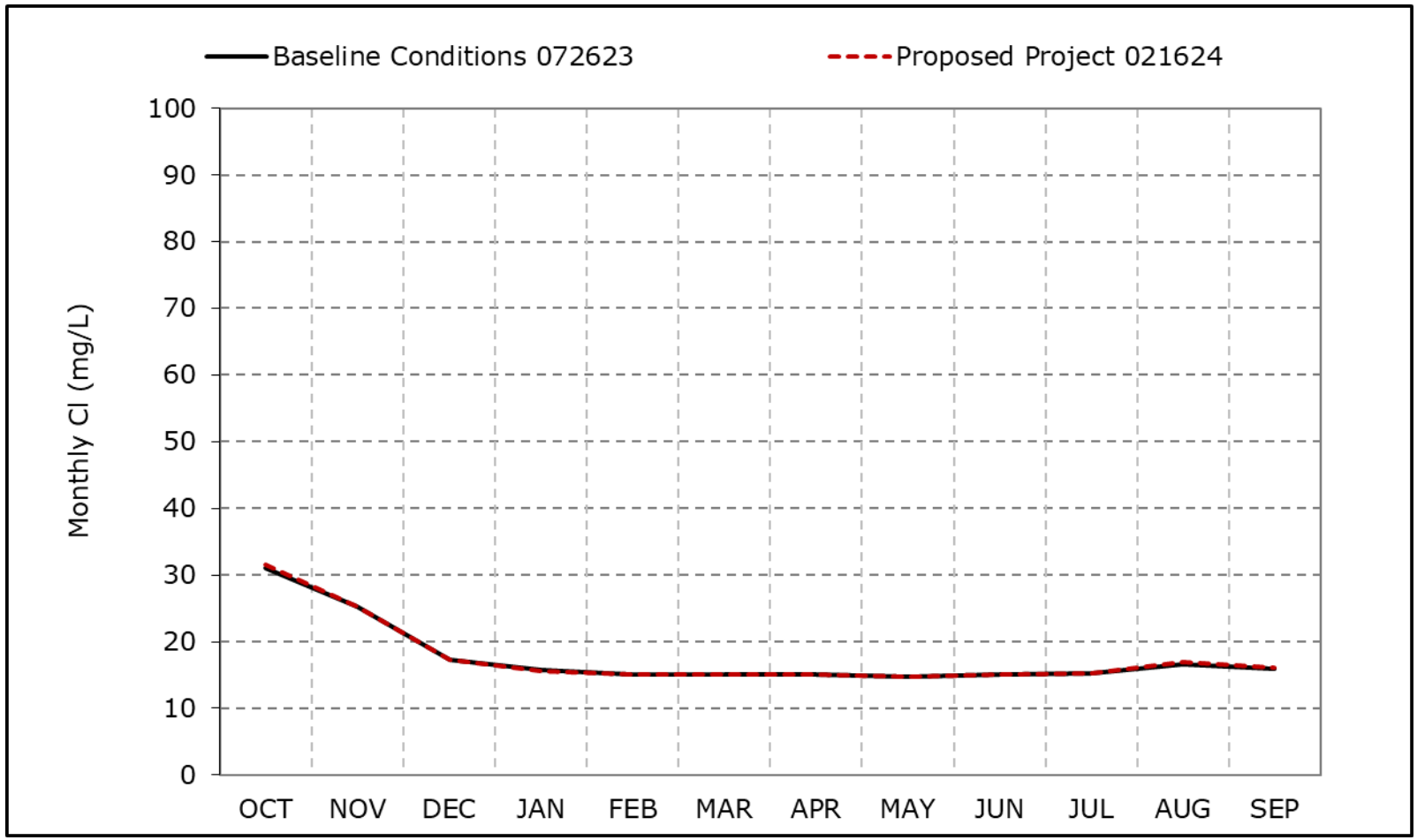
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-7-2a. Sacramento River at Rio Vista Chloride, Long-Term Average Cl



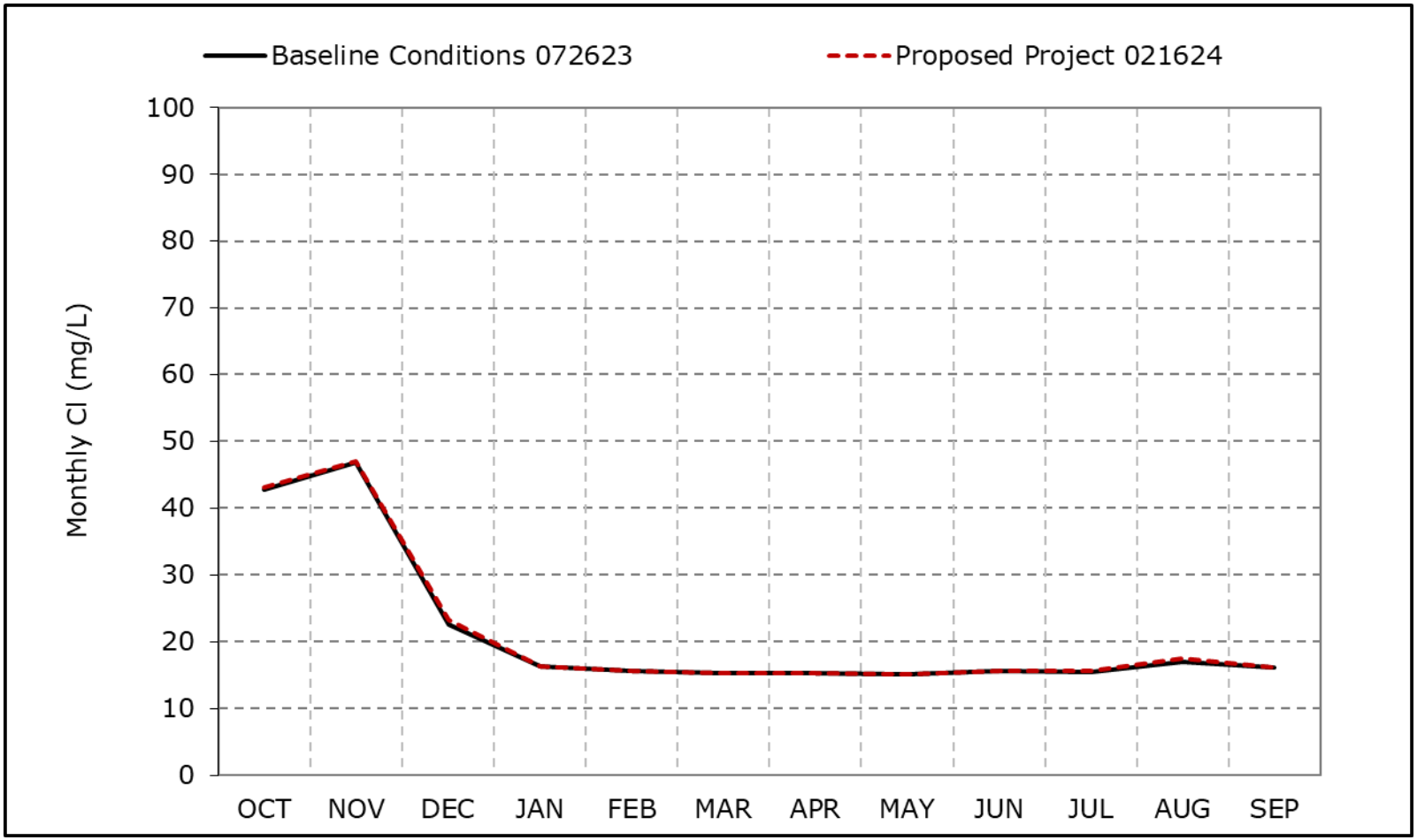
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-2b. Sacramento River at Rio Vista Chloride, Wet Year Average Cl



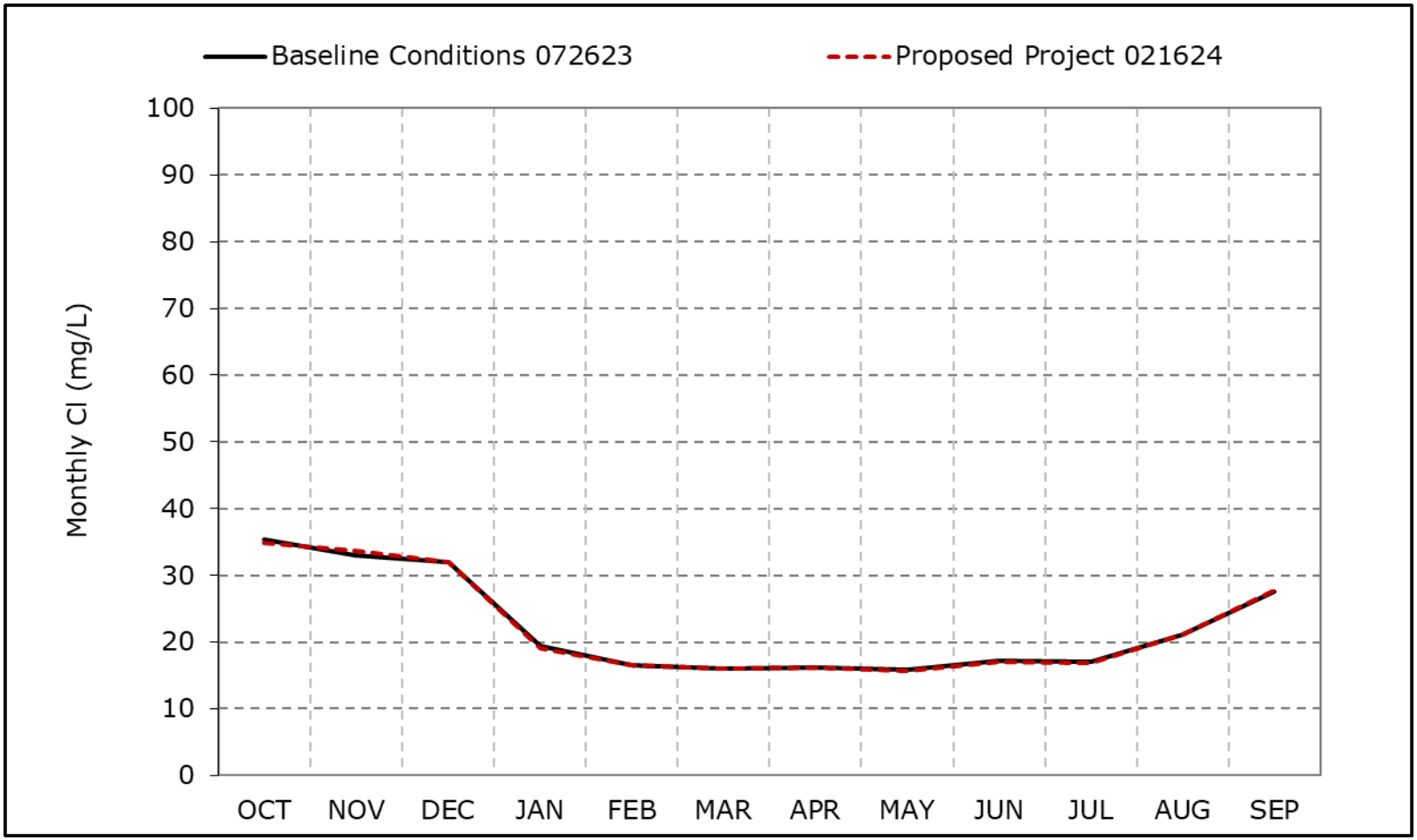
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-2c. Sacramento River at Rio Vista Chloride, Above Normal Year Average Cl



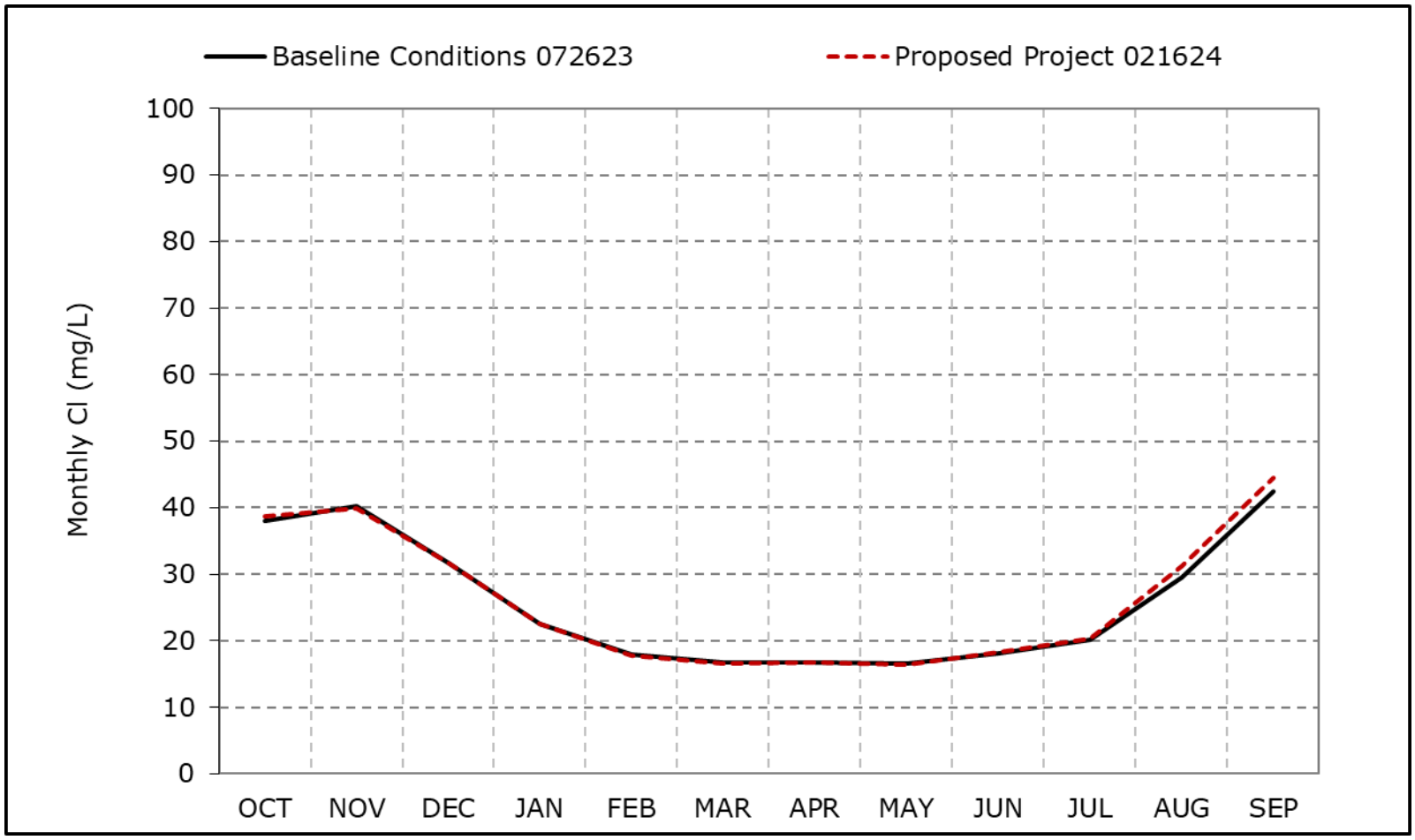
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-2d. Sacramento River at Rio Vista Chloride, Below Normal Year Average Cl



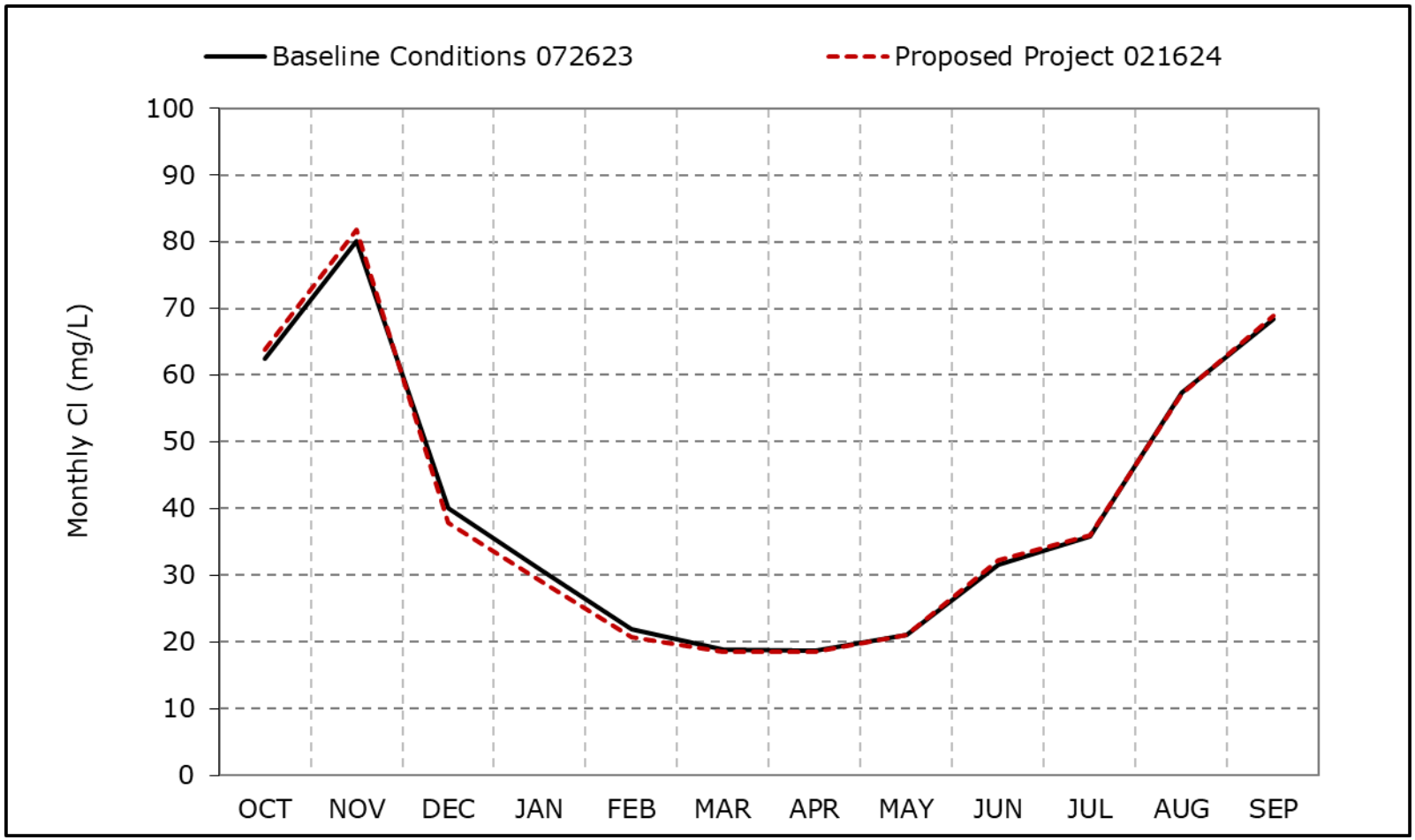
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-2e. Sacramento River at Rio Vista Chloride, Dry Year Average Cl



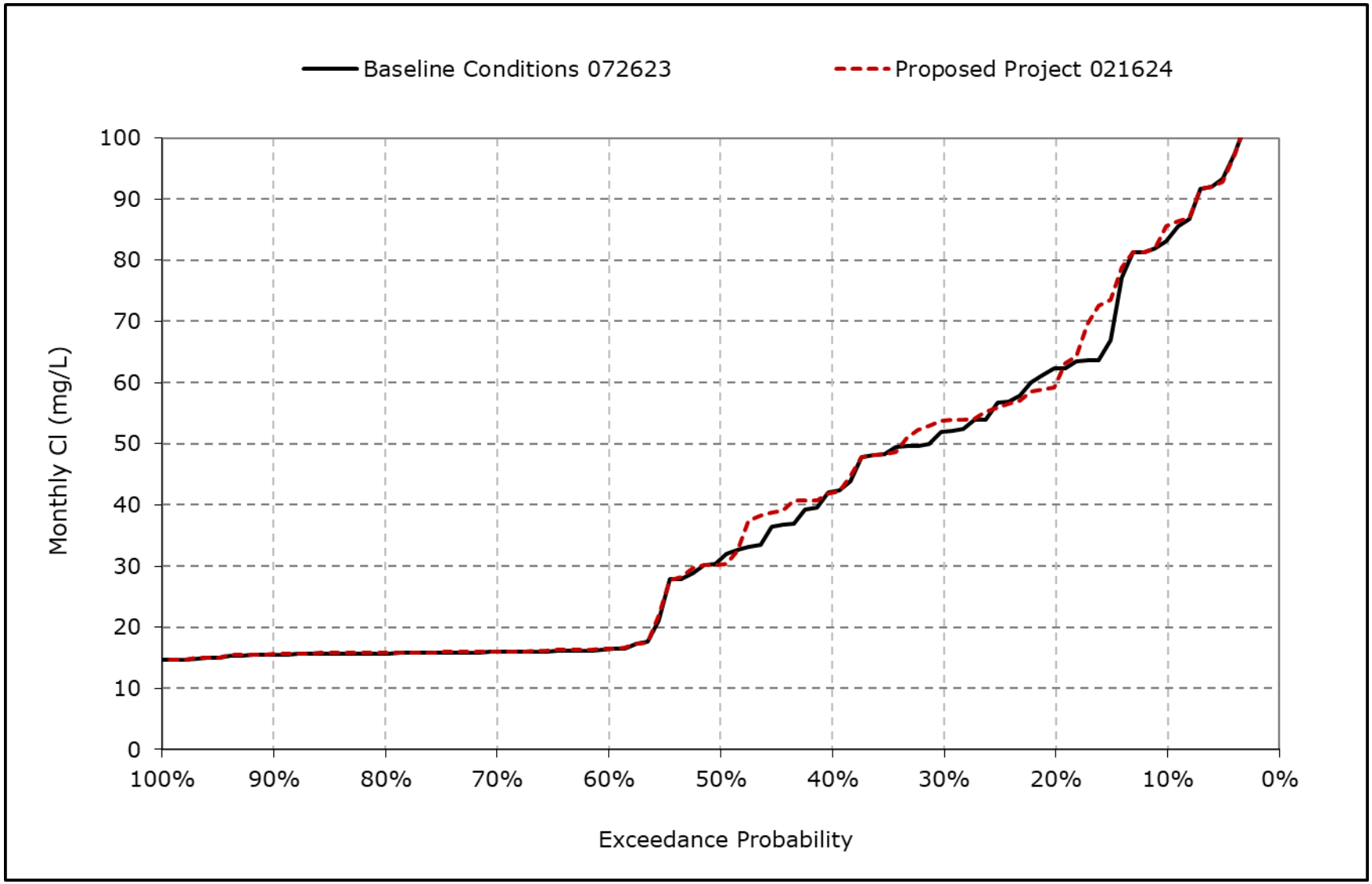
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-2f. Sacramento River at Rio Vista Chloride, Critical Year Average Cl



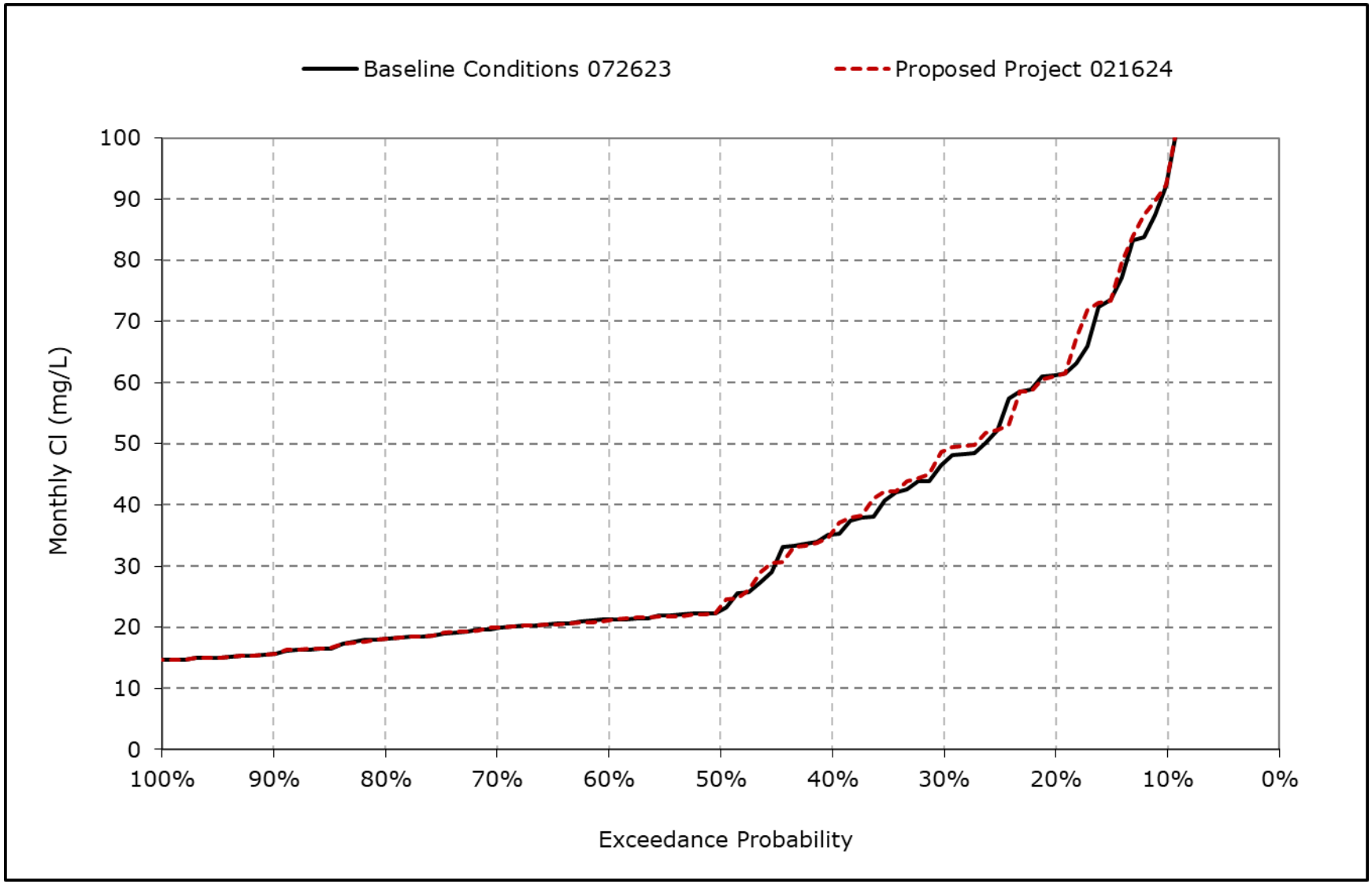
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-2g. Sacramento River at Rio Vista Chloride, October Cl



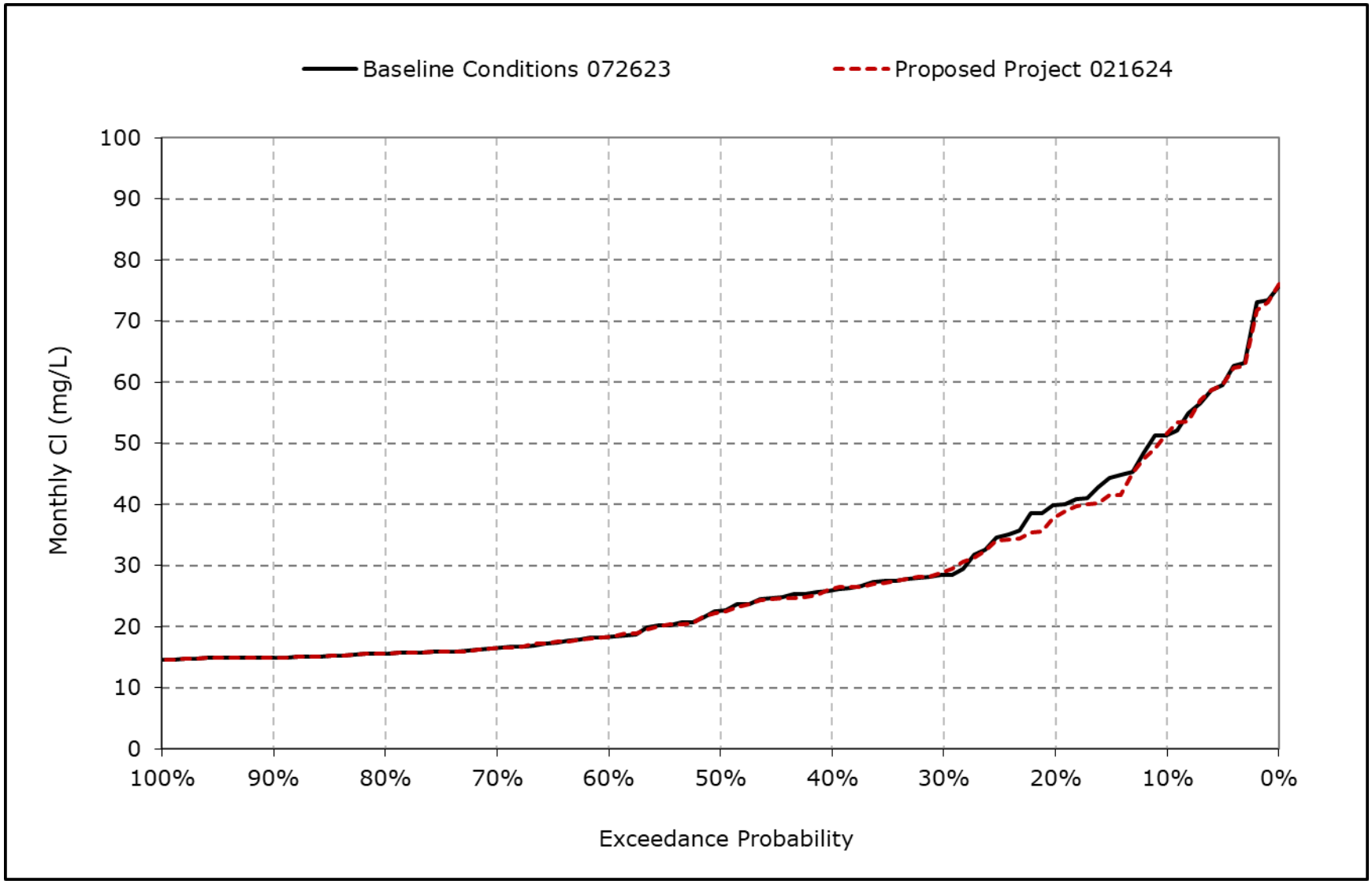
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-2h. Sacramento River at Rio Vista Chloride, November Cl



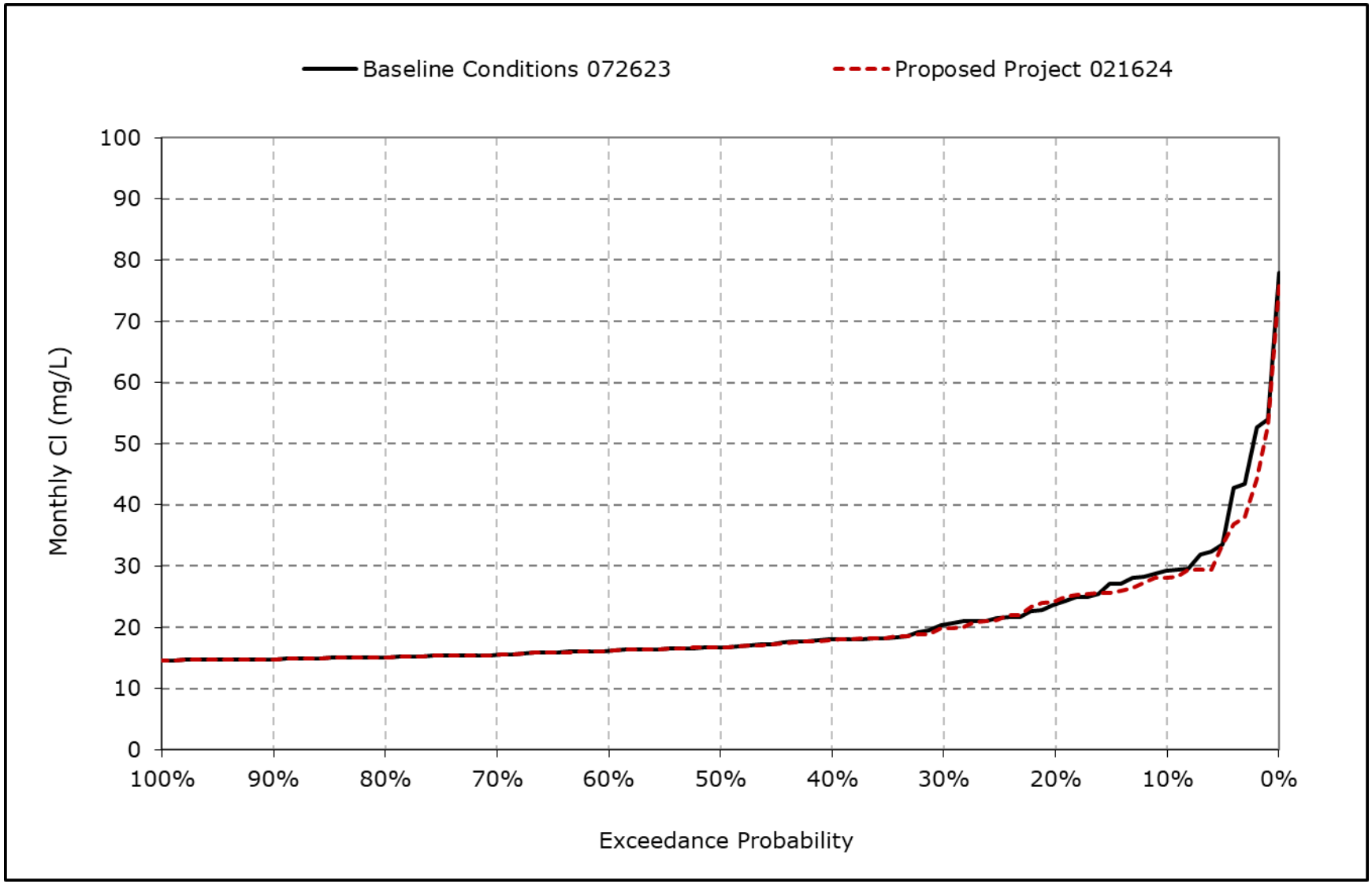
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-2i. Sacramento River at Rio Vista Chloride, December Cl



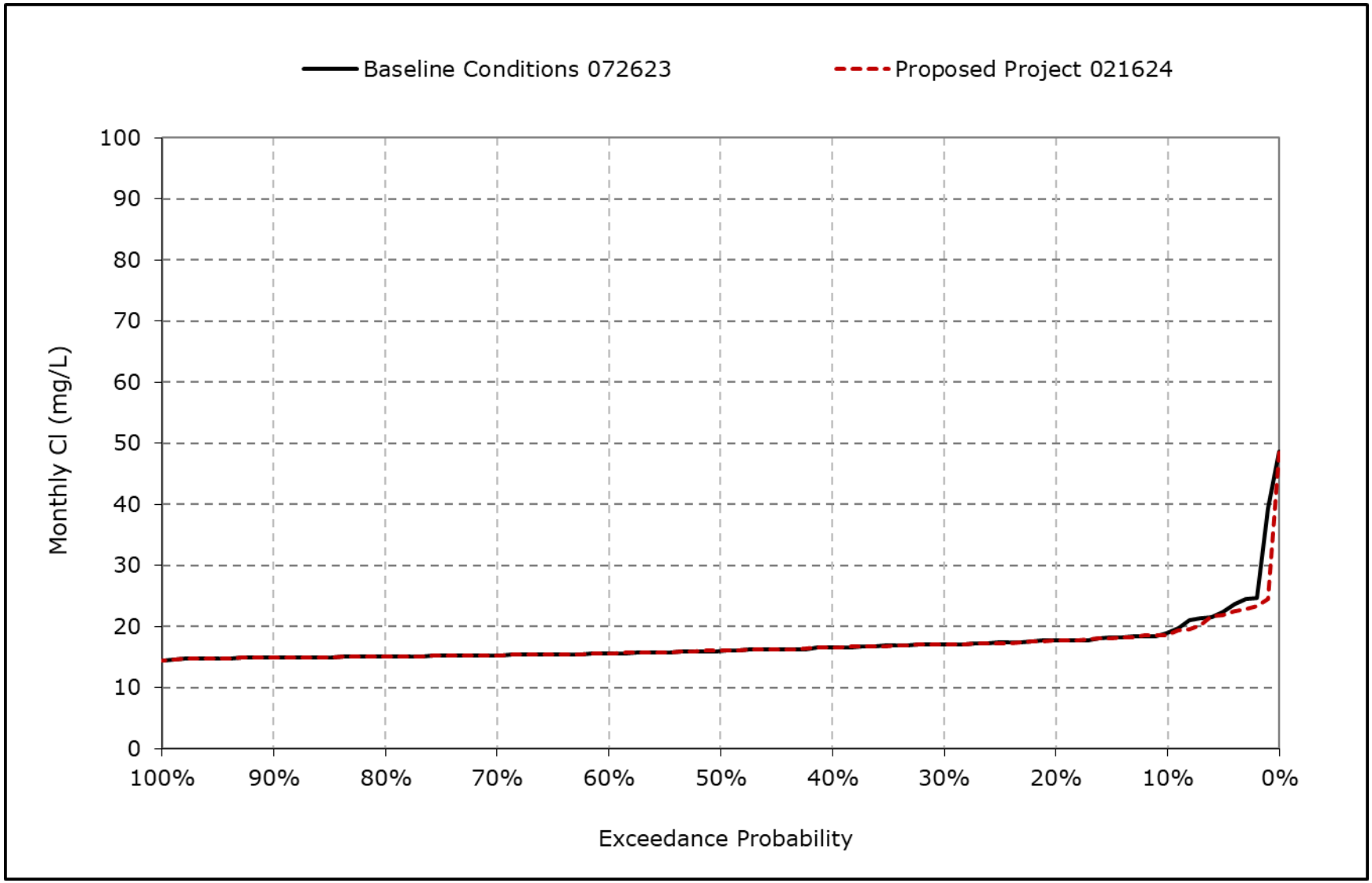
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-2j. Sacramento River at Rio Vista Chloride, January Cl



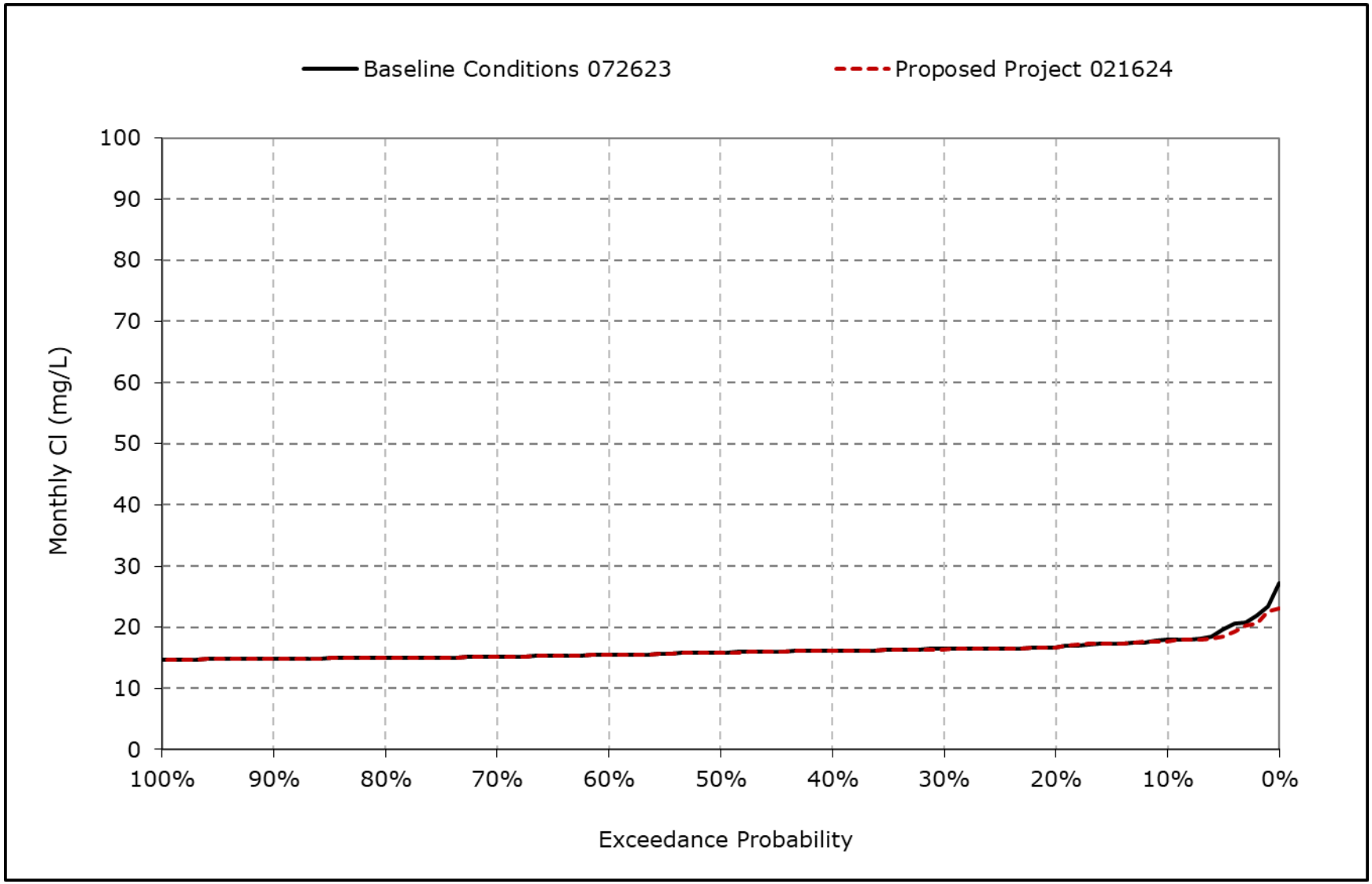
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-2k. Sacramento River at Rio Vista Chloride, February Cl



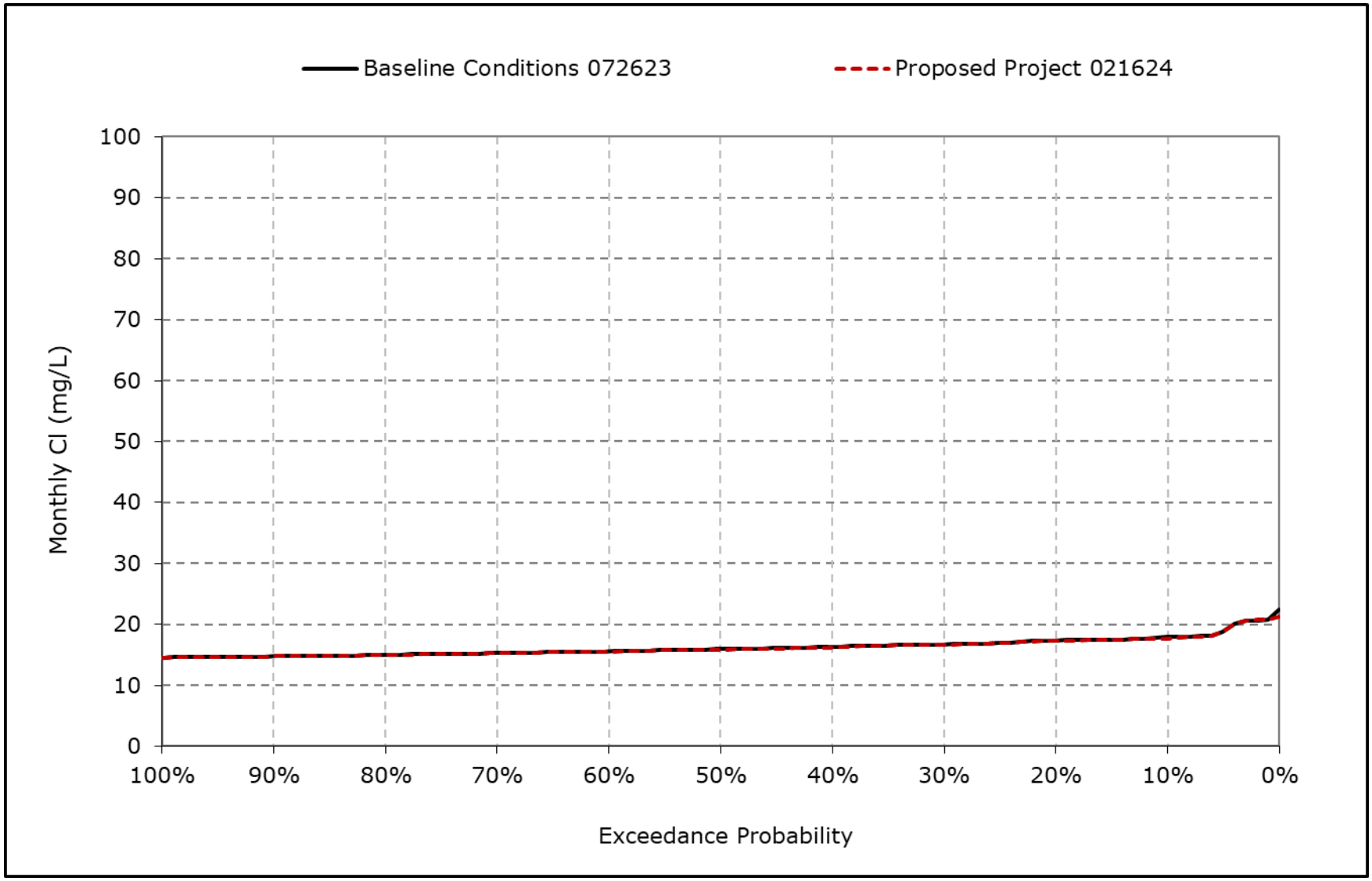
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-2l. Sacramento River at Rio Vista Chloride, March Cl



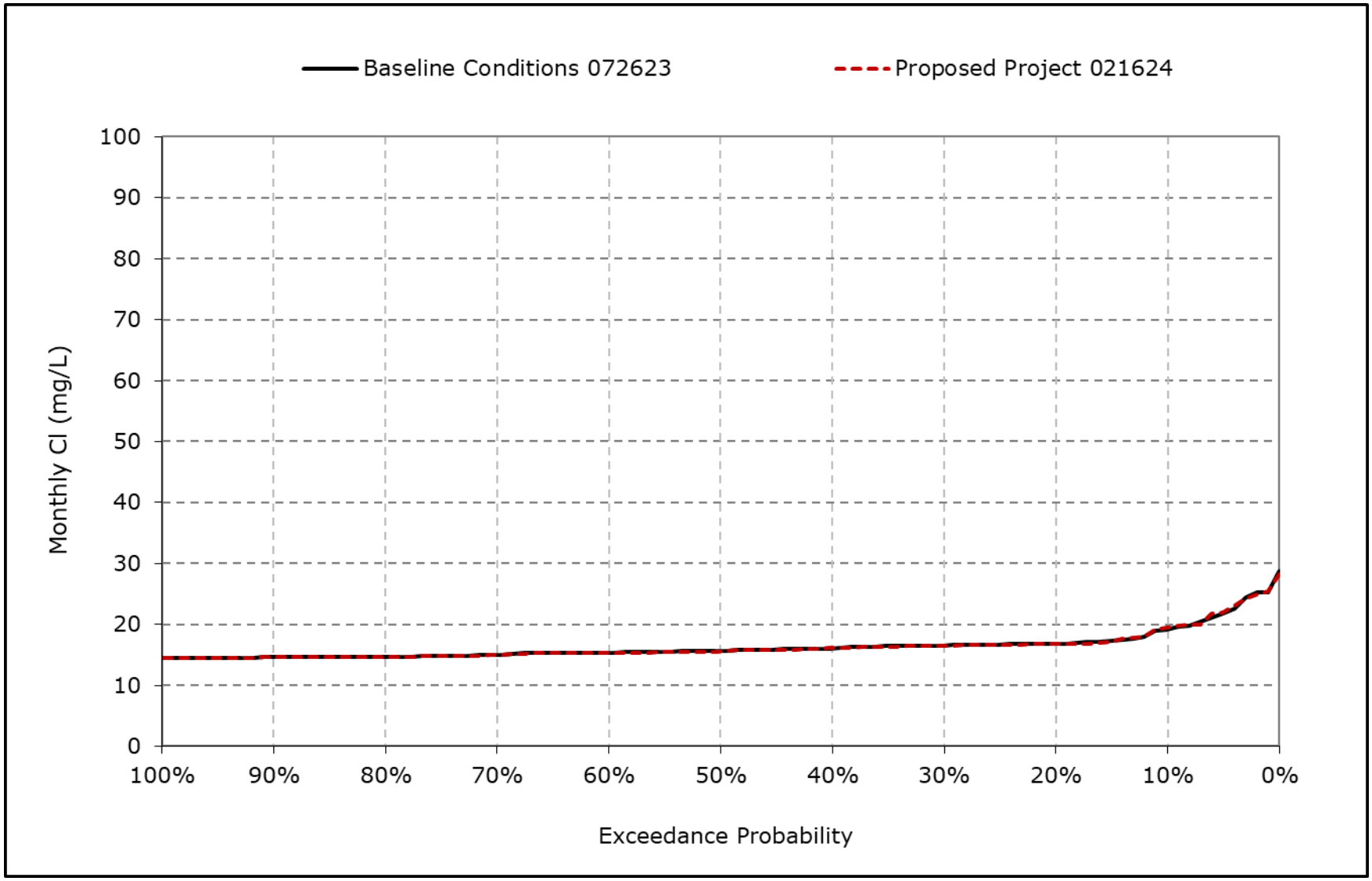
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-2m. Sacramento River at Rio Vista Chloride, April Cl



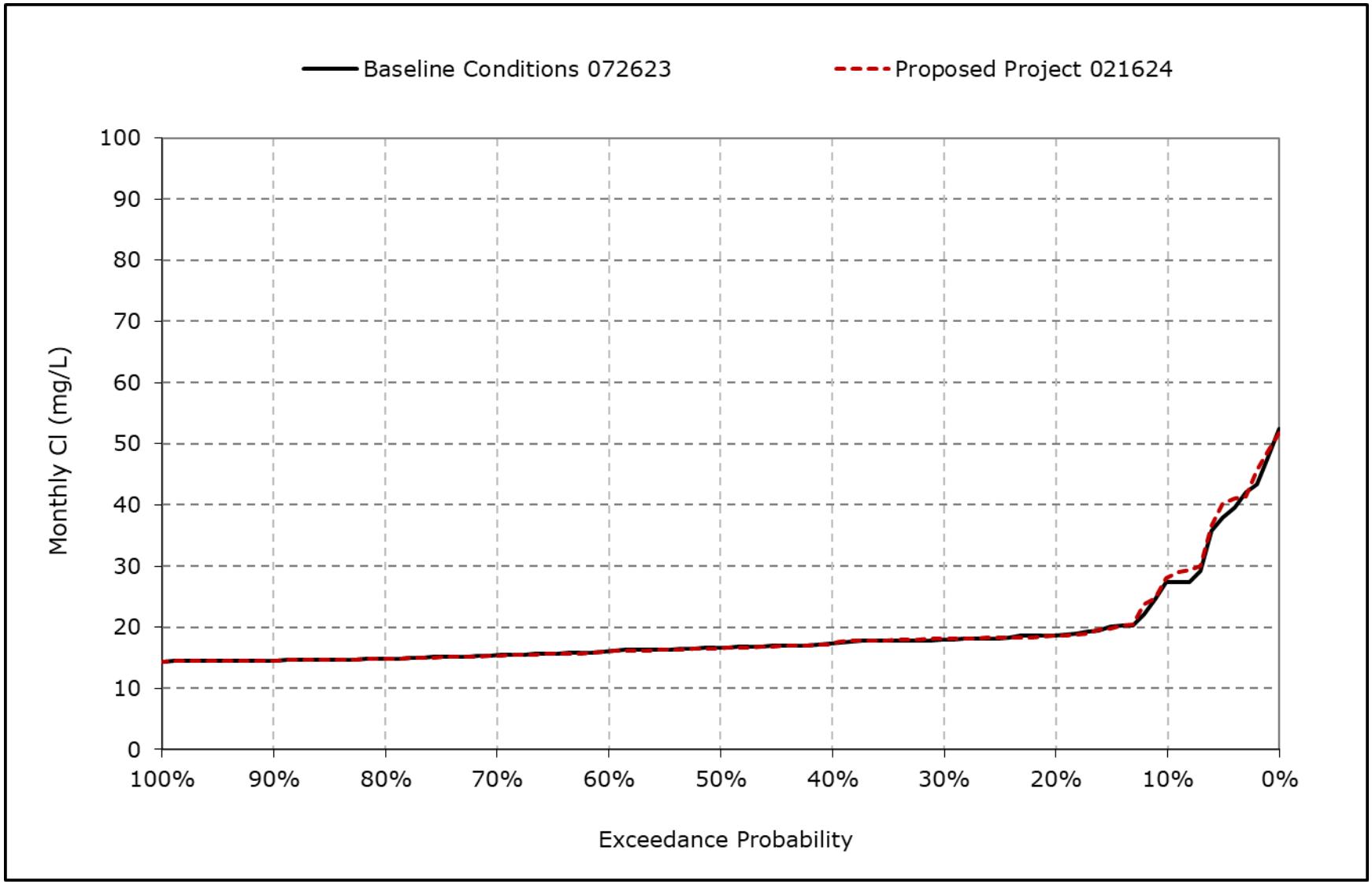
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-2n. Sacramento River at Rio Vista Chloride, May Cl



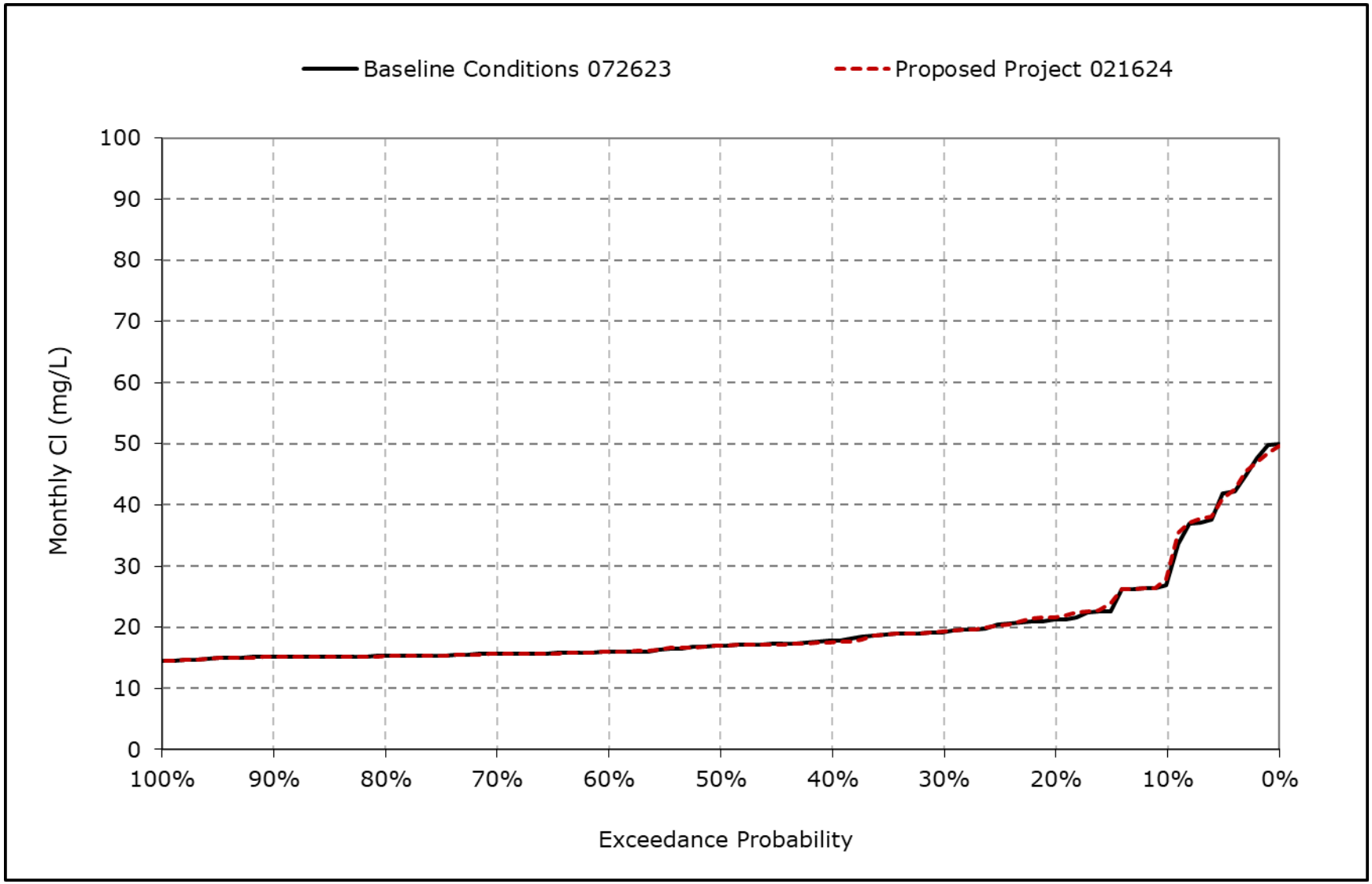
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-2o. Sacramento River at Rio Vista Chloride, June Cl



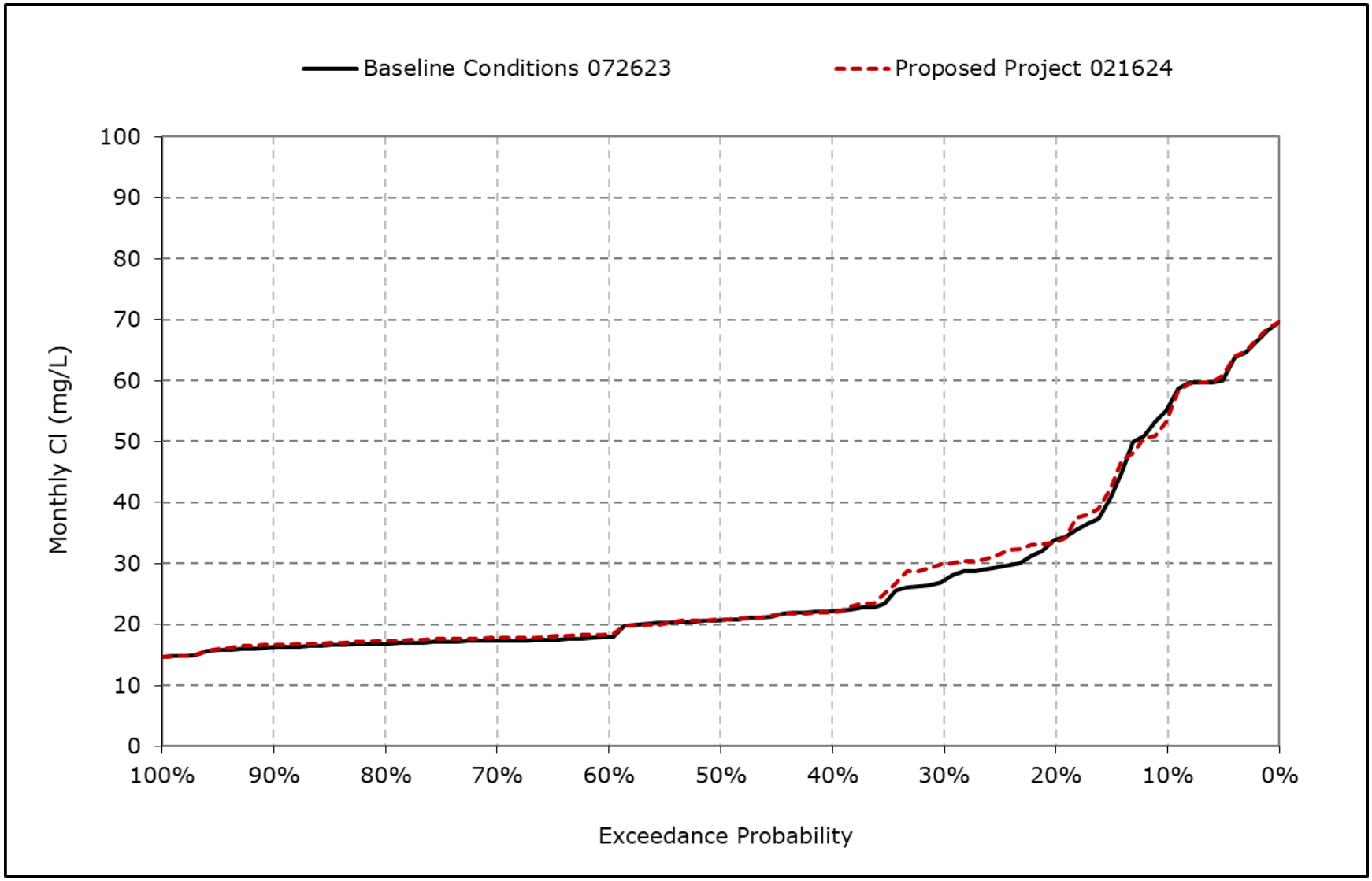
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-2p. Sacramento River at Rio Vista Chloride, July Cl



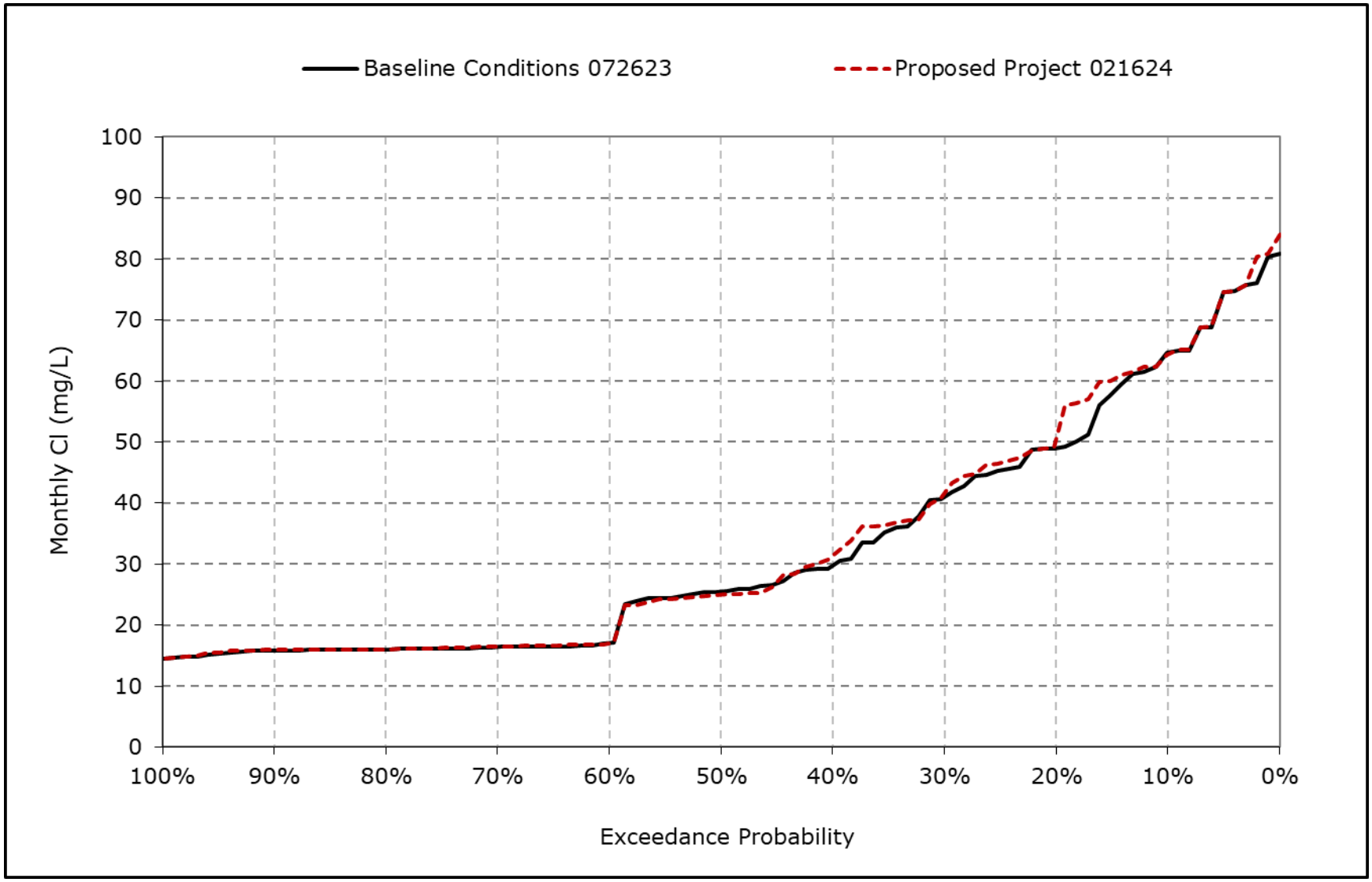
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-2q. Sacramento River at Rio Vista Chloride, August Cl



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

Figure 4B-7-2r. Sacramento River at Rio Vista Chloride, September Cl



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

Table 4B-7-3-1a. Sacramento River at Collinsville Chloride, Baseline Conditions 072623, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,230	3,189	2,418	1,708	595	455	589	869	1,385	1,930	2,356	2,952
20% Exceedance	2,812	2,800	2,270	1,335	376	221	340	546	903	1,499	2,108	2,668
30% Exceedance	2,706	2,541	1,817	838	167	75	210	427	859	1,248	1,900	2,436
40% Exceedance	2,415	2,358	1,578	422	75	49	105	224	736	1,126	1,603	1,986
50% Exceedance	1,939	1,547	1,210	275	39	31	57	98	556	939	1,491	1,814
60% Exceedance	711	1,341	668	144	23	21	27	67	396	686	1,114	741
70% Exceedance	627	1,209	262	26	18	18	23	30	205	590	981	672
80% Exceedance	611	955	127	18	16	17	18	19	32	429	906	638
90% Exceedance	557	408	63	16	16	16	16	15	17	331	830	607
Full Simulation Period Average[a]	1,738	1,817	1,191	586	233	150	192	301	615	979	1,466	1,657
Wet Water Years (30%)	1,406	1,261	369	104	20	18	27	48	147	386	785	589
Above Normal Years (11%)	1,804	1,873	1,094	163	26	23	25	58	302	563	987	625
Below Normal Years (21%)	1,543	1,643	1,429	585	156	65	94	163	579	958	1,512	1,854
Dry Water Years (22%)	1,707	1,987	1,559	965	363	214	271	402	824	1,347	1,927	2,461
Critical Water Years (16%)	2,612	2,817	1,983	1,263	700	510	639	980	1,467	1,898	2,380	3,007

Table 4B-7-3-1b. Sacramento River at Collinsville Chloride, Proposed Project 021624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,231	3,191	2,468	1,643	564	428	566	903	1,429	1,948	2,358	2,954
20% Exceedance	2,875	2,806	2,260	1,310	368	208	331	534	919	1,496	2,100	2,733
30% Exceedance	2,718	2,570	1,773	765	177	69	206	437	860	1,244	1,911	2,564
40% Exceedance	2,486	2,361	1,581	384	76	46	97	248	771	1,017	1,564	2,154
50% Exceedance	2,075	1,569	1,181	269	36	29	62	124	538	898	1,426	1,860
60% Exceedance	721	1,341	654	141	22	21	27	87	391	691	1,141	781
70% Exceedance	640	1,199	257	26	18	18	23	30	198	567	1,026	680
80% Exceedance	617	956	123	18	17	17	18	19	29	417	960	650
90% Exceedance	580	427	63	16	16	16	16	15	17	330	889	631
Full Simulation Period Average[a]	1,770	1,821	1,185	565	212	134	188	312	618	961	1,479	1,714
Wet Water Years (30%)	1,462	1,268	372	100	20	18	29	61	145	384	839	611
Above Normal Years (11%)	1,830	1,858	1,130	164	26	22	24	68	295	538	1,026	645
Below Normal Years (21%)	1,548	1,659	1,416	560	150	57	87	184	576	890	1,444	1,961
Dry Water Years (22%)	1,738	1,987	1,558	968	333	171	250	397	830	1,341	1,952	2,571
Critical Water Years (16%)	2,644	2,819	1,928	1,166	614	478	647	1,005	1,490	1,905	2,384	3,013

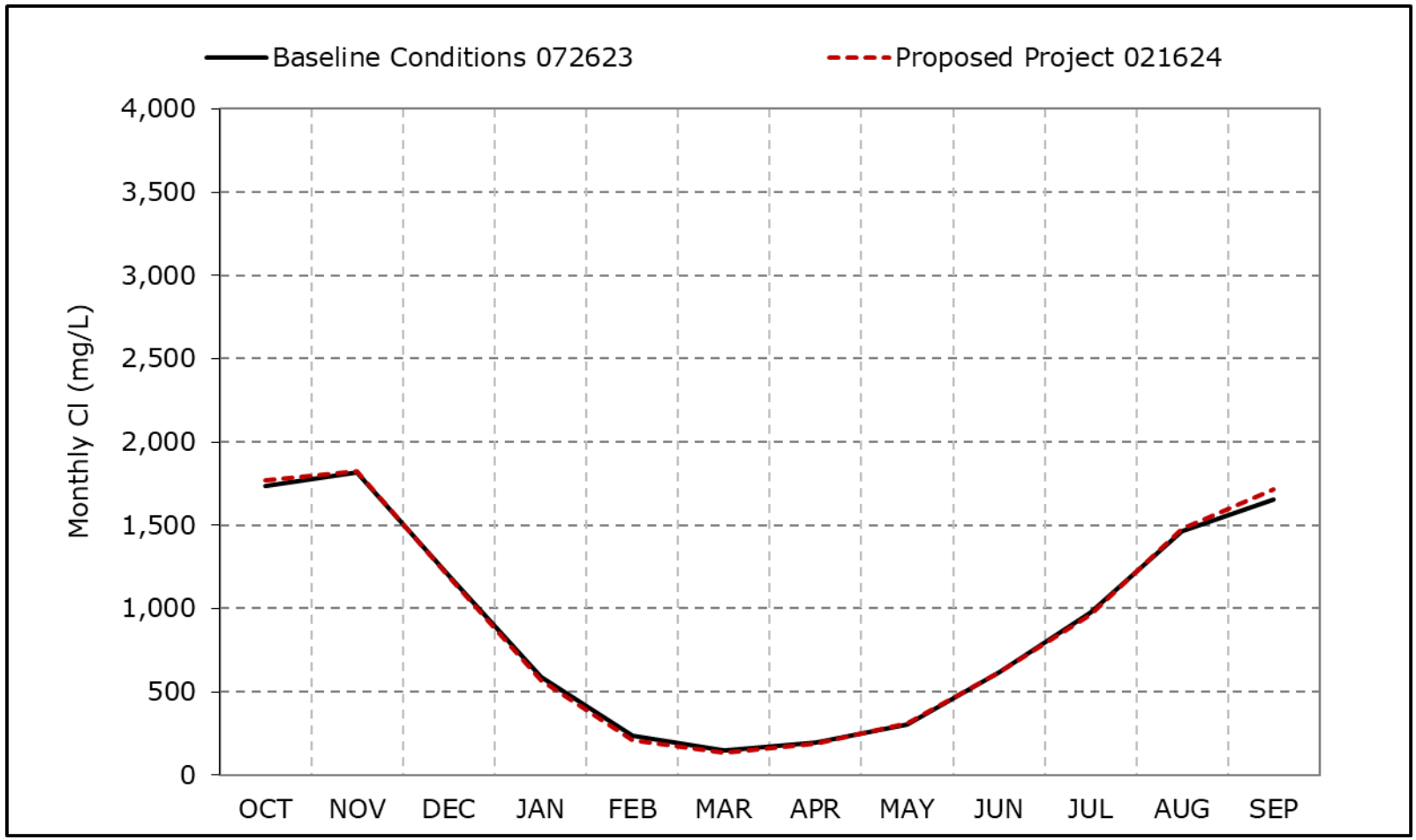
Table 4B-7-3-1c. Sacramento River at Collinsville Chloride, Proposed Project 021624 minus Baseline Conditions 072623, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1	2	51	-66	-31	-27	-23	34	44	19	2	2
20% Exceedance	64	6	-10	-24	-8	-13	-9	-12	16	-3	-8	64
30% Exceedance	13	29	-43	-72	9	-6	-4	10	1	-4	11	127
40% Exceedance	71	3	4	-38	0	-3	-8	24	35	-109	-39	167
50% Exceedance	136	22	-29	-6	-4	-3	6	26	-17	-41	-65	46
60% Exceedance	11	0	-14	-3	-1	0	1	20	-5	6	27	40
70% Exceedance	13	-9	-6	0	0	0	0	0	-7	-23	45	8
80% Exceedance	6	1	-4	0	0	0	0	0	-2	-12	53	12
90% Exceedance	23	19	0	0	0	0	0	0	0	-1	60	24
Full Simulation Period Average[a]	33	4	-7	-21	-22	-16	-4	12	3	-18	13	56
Wet Water Years (30%)	56	7	3	-4	0	0	3	12	-1	-2	54	22
Above Normal Years (11%)	26	-14	35	1	0	-1	0	10	-7	-25	39	20
Below Normal Years (21%)	5	16	-13	-25	-6	-8	-7	20	-3	-67	-68	107
Dry Water Years (22%)	31	-1	-1	3	-30	-44	-22	-6	6	-6	26	110
Critical Water Years (16%)	31	2	-55	-96	-86	-32	8	25	23	7	4	6

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

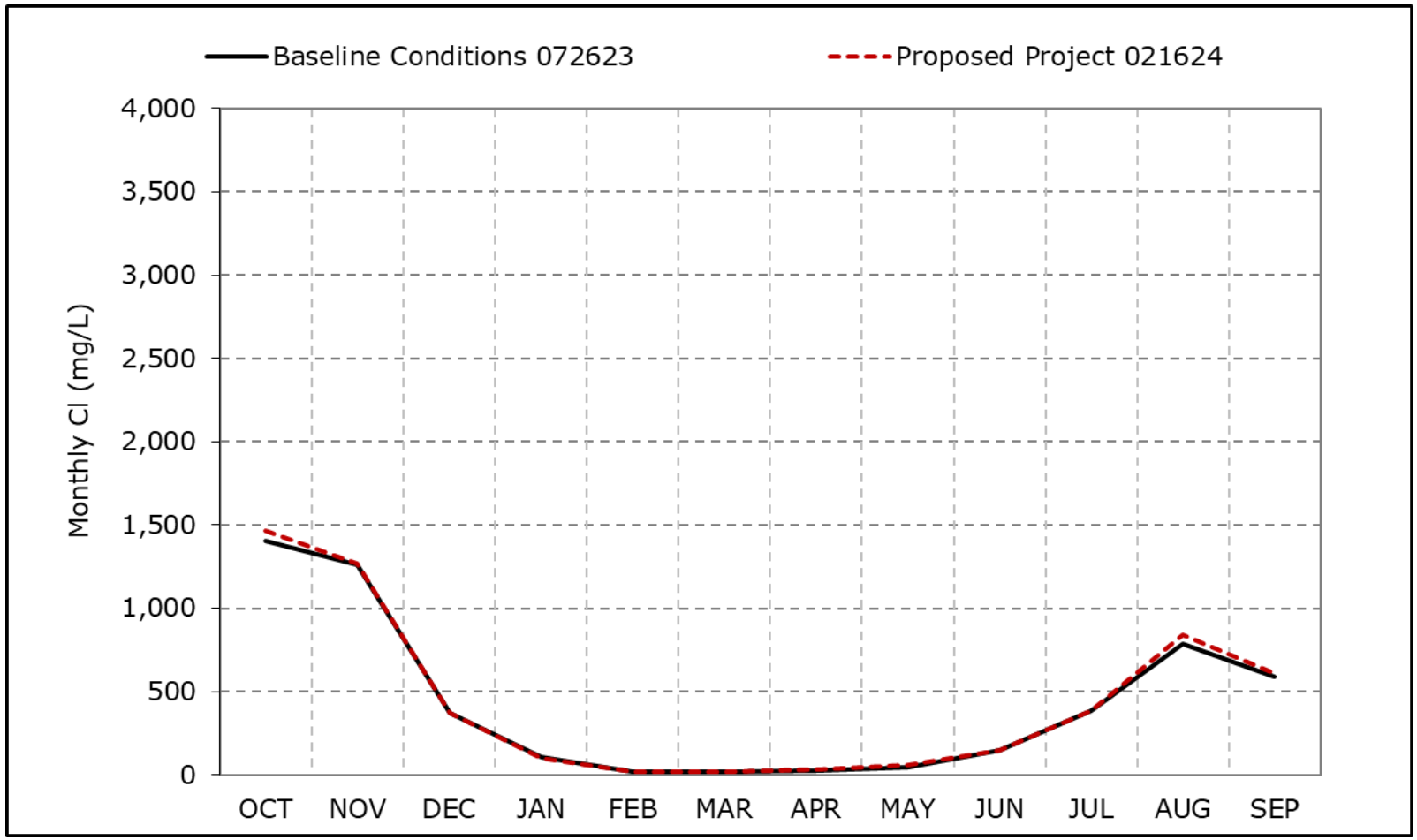
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-7-3a. Sacramento River at Collinsville Chloride, Long-Term Average Cl



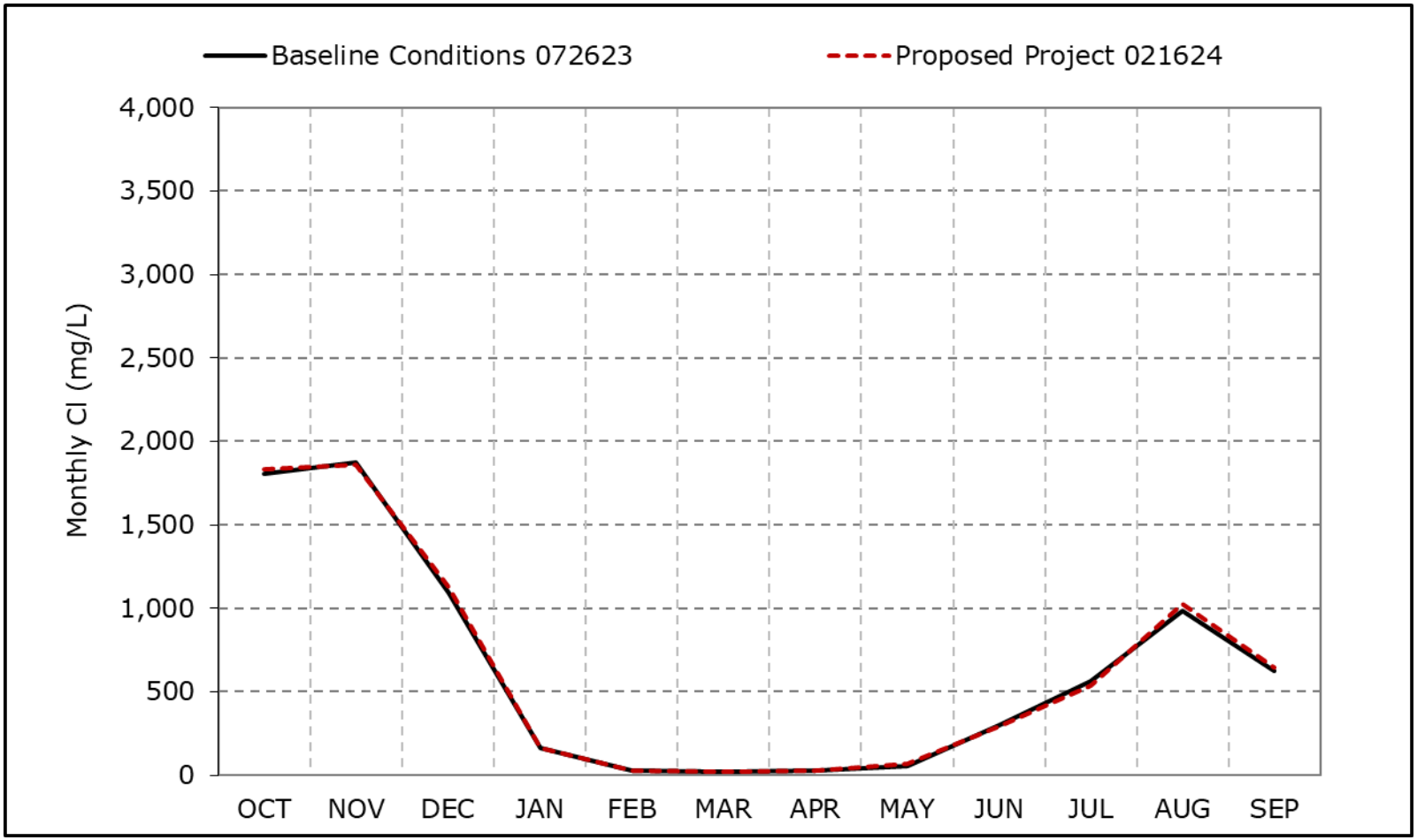
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-3b. Sacramento River at Collinsville Chloride, Wet Year Average Cl



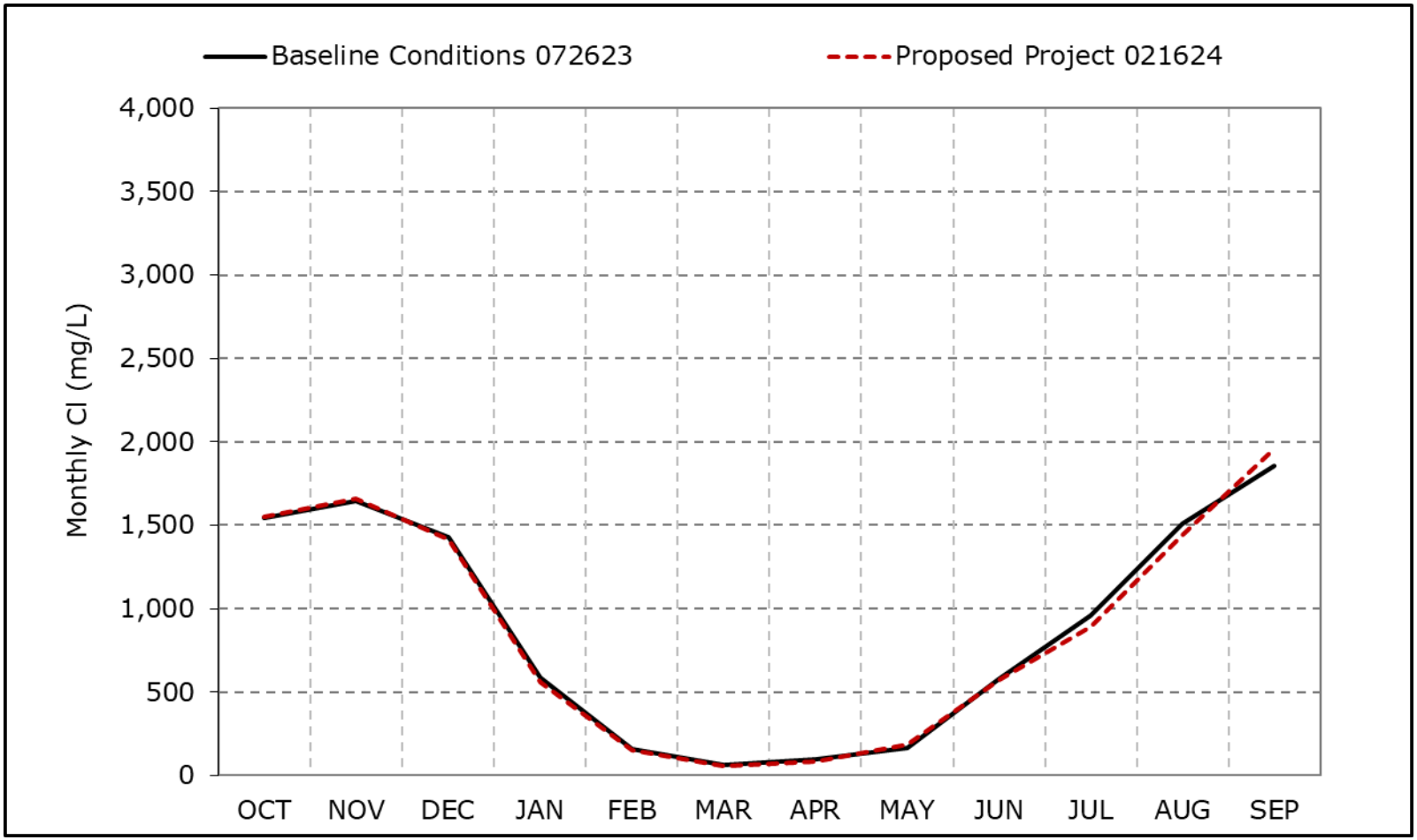
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-3c. Sacramento River at Collinsville Chloride, Above Normal Year Average Cl



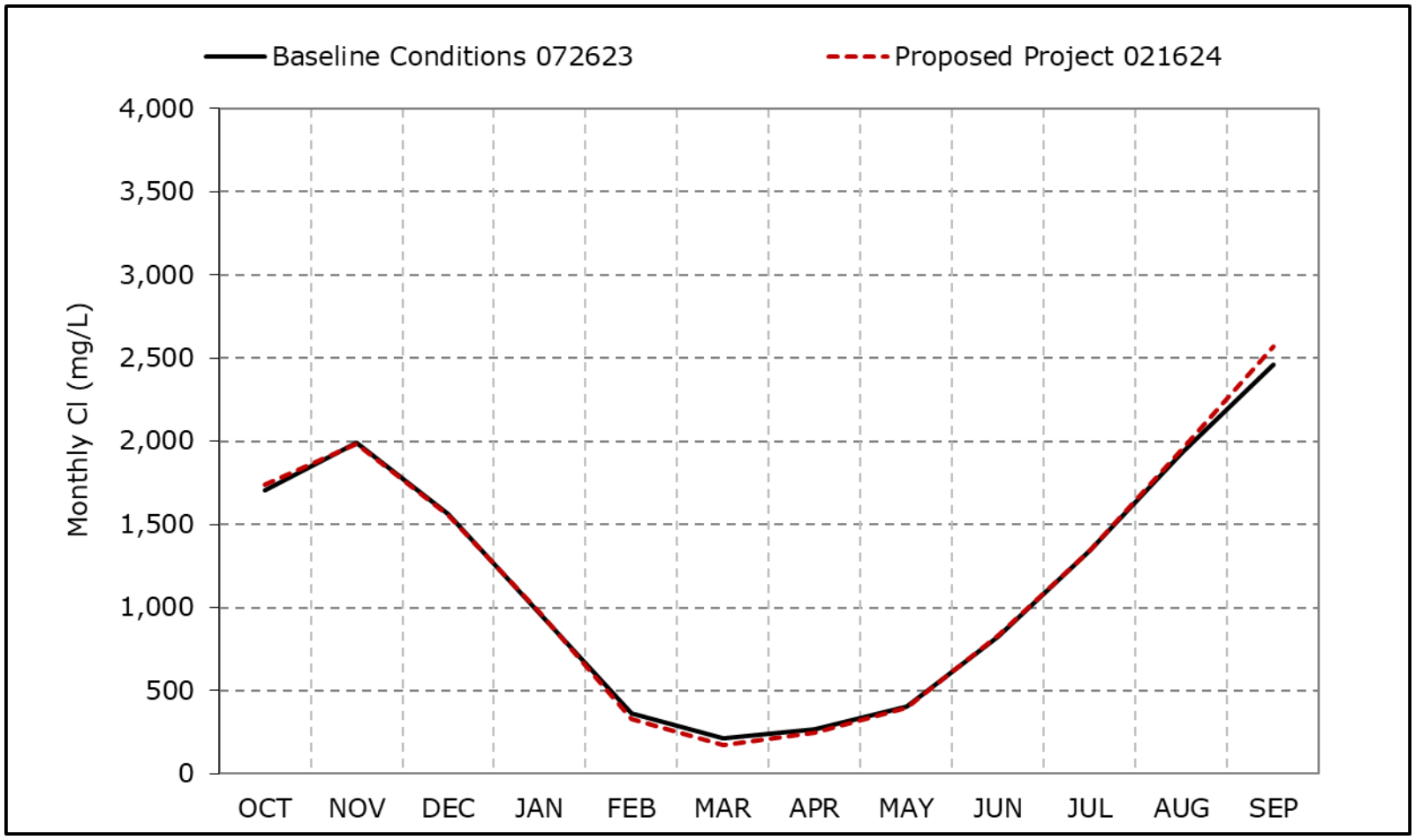
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-3d. Sacramento River at Collinsville Chloride, Below Normal Year Average Cl



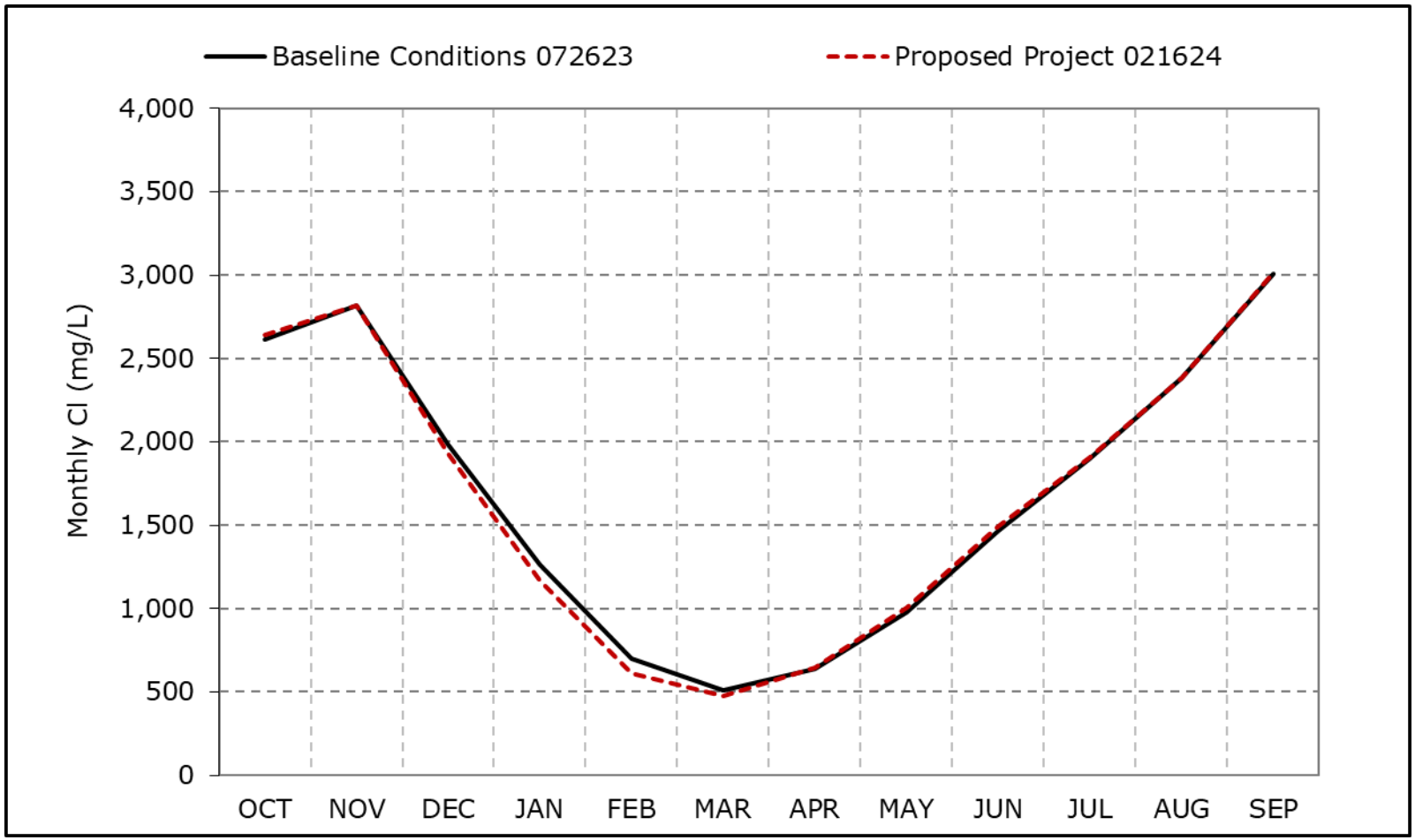
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-3e. Sacramento River at Collinsville Chloride, Dry Year Average Cl



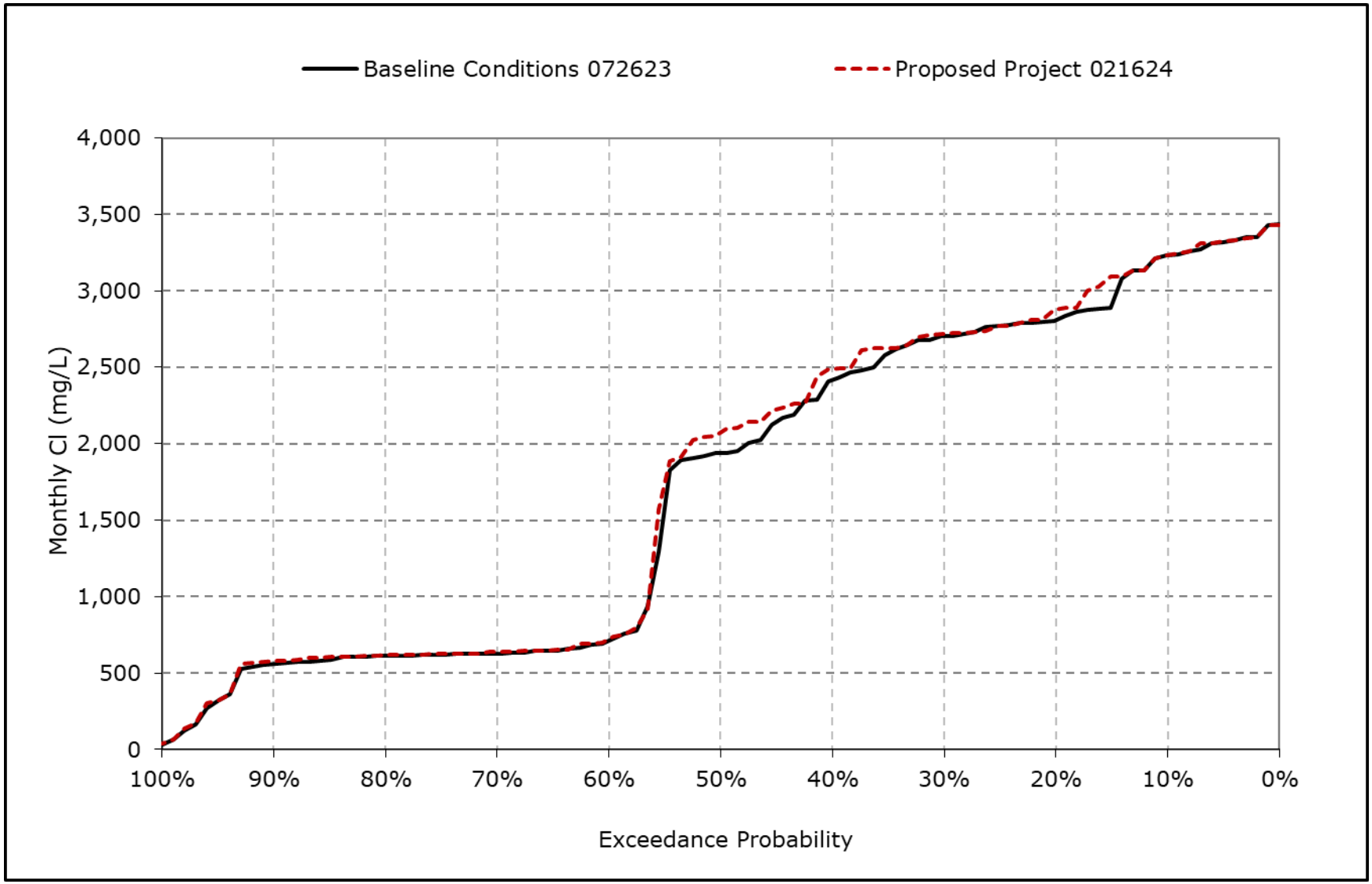
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-3f. Sacramento River at Collinsville Chloride, Critical Year Average Cl



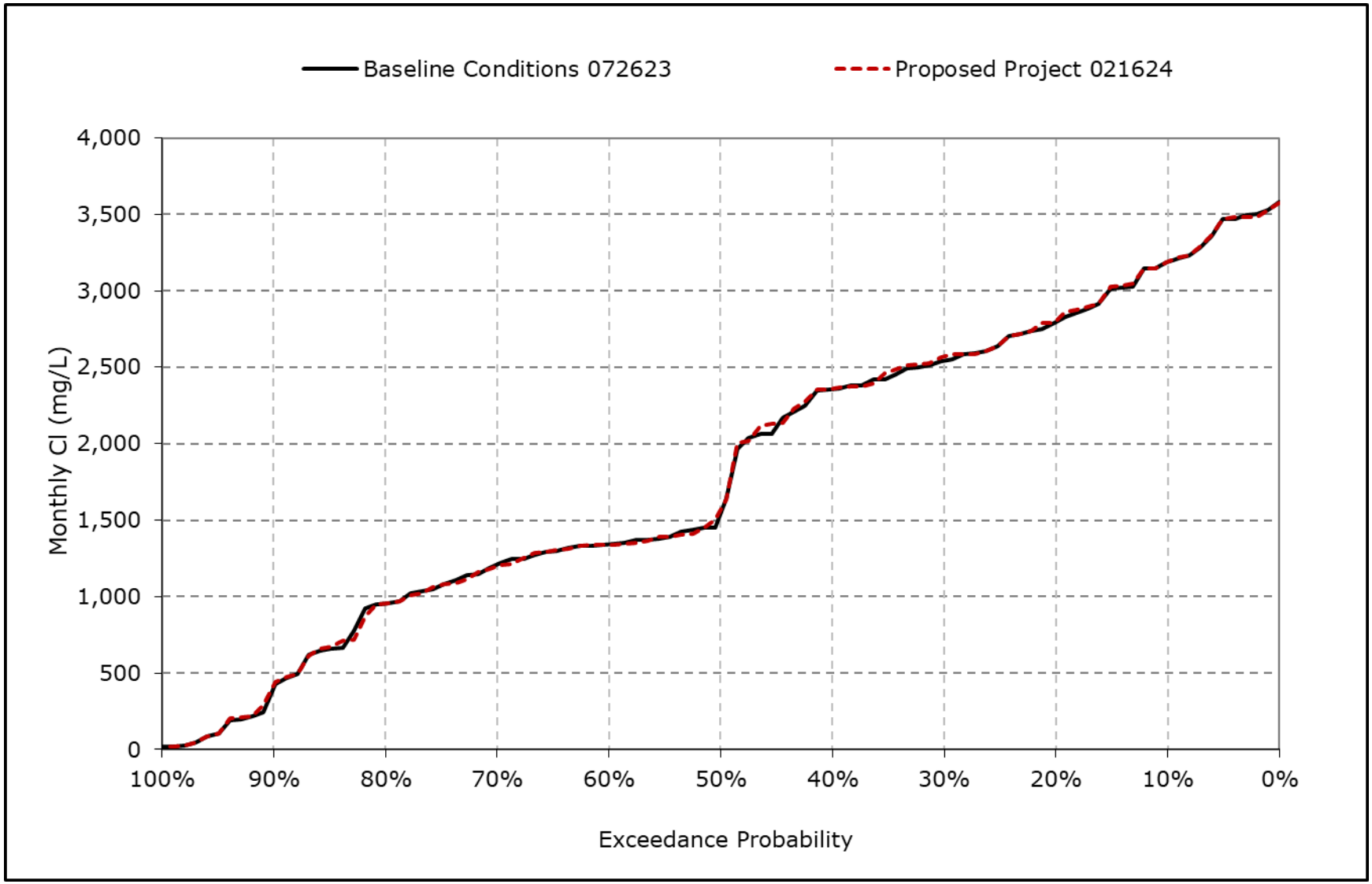
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-3g. Sacramento River at Collinsville Chloride, October Cl



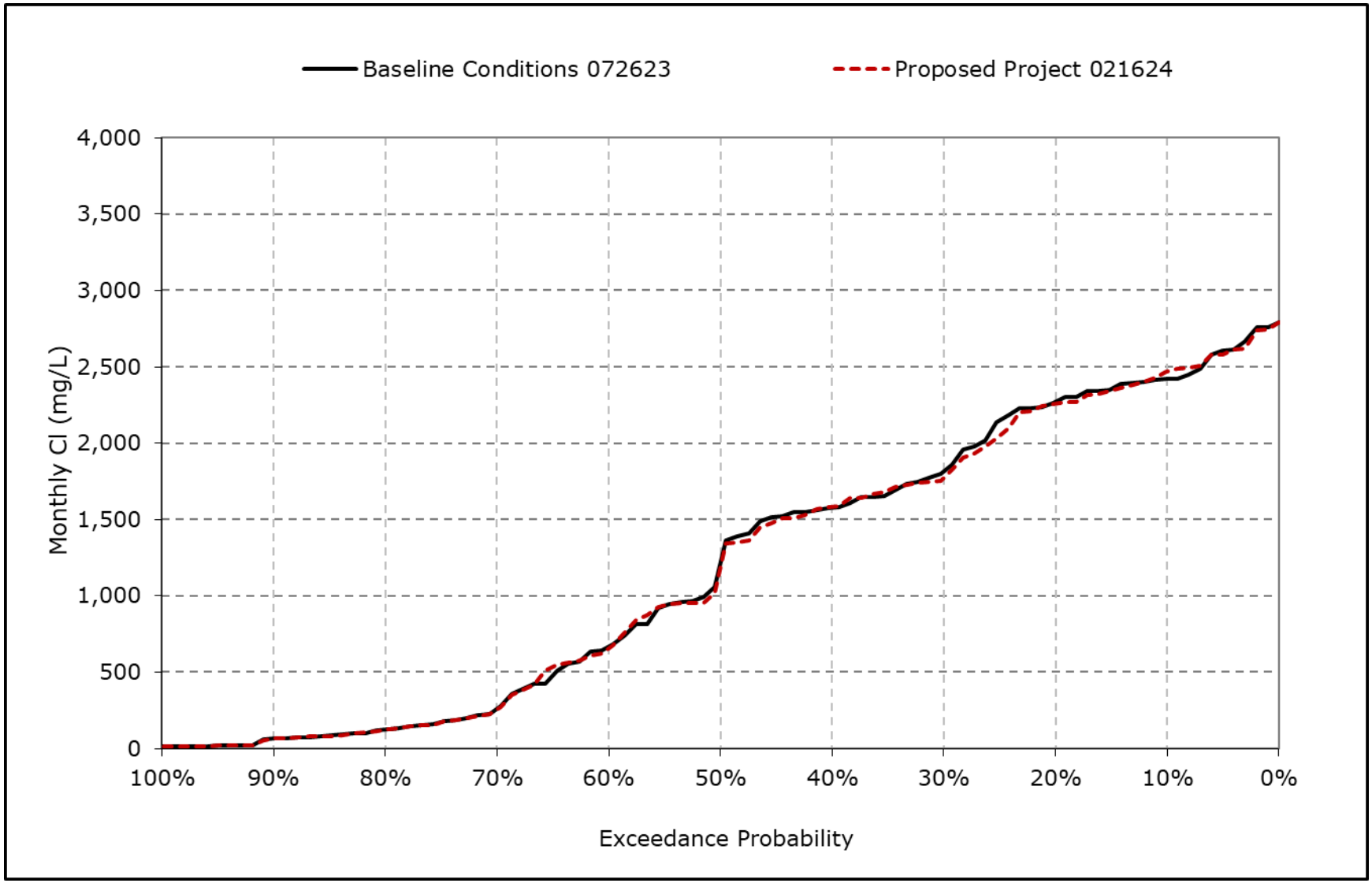
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-3h. Sacramento River at Collinsville Chloride, November Cl



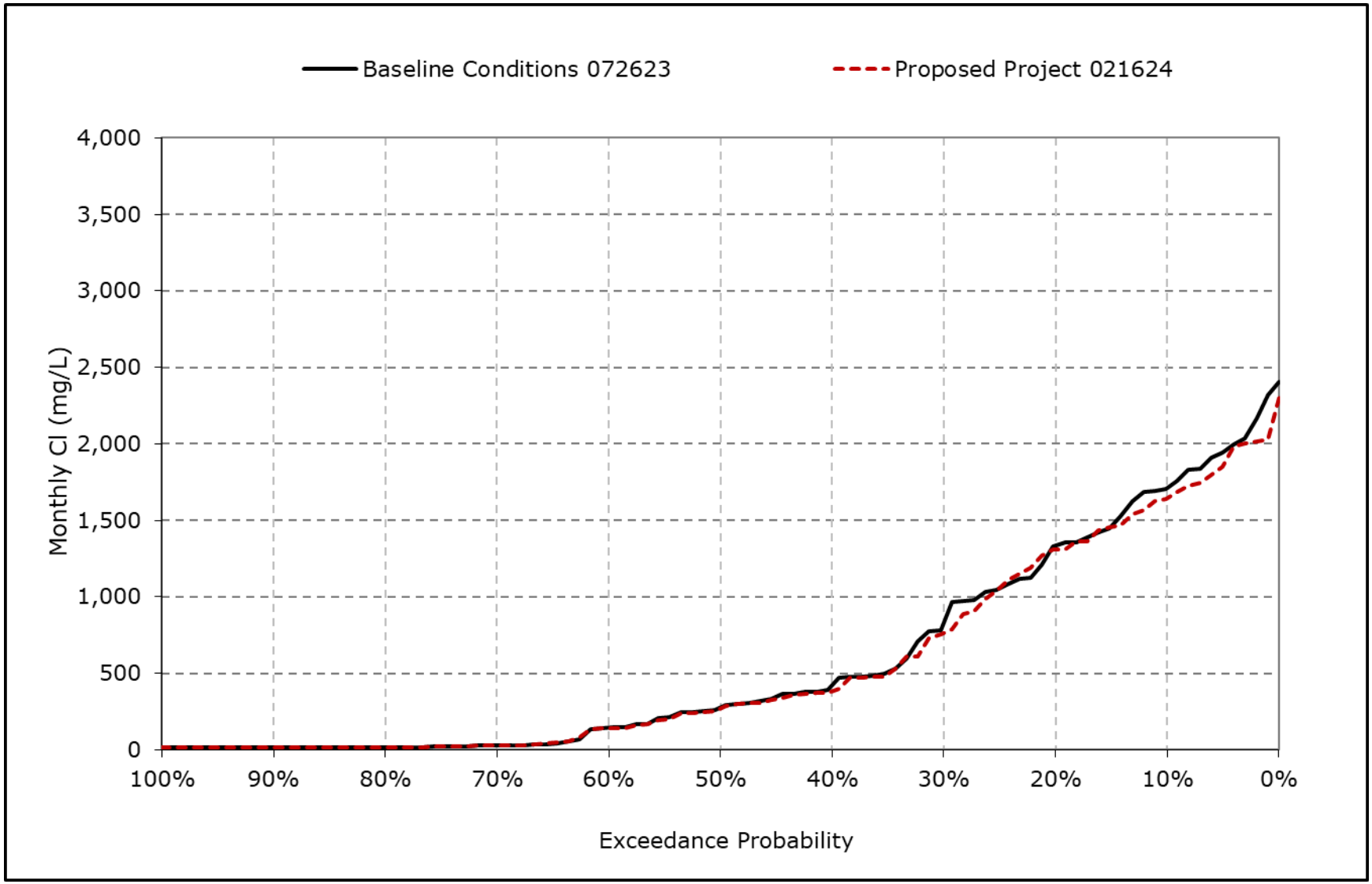
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-3i. Sacramento River at Collinsville Chloride, December Cl



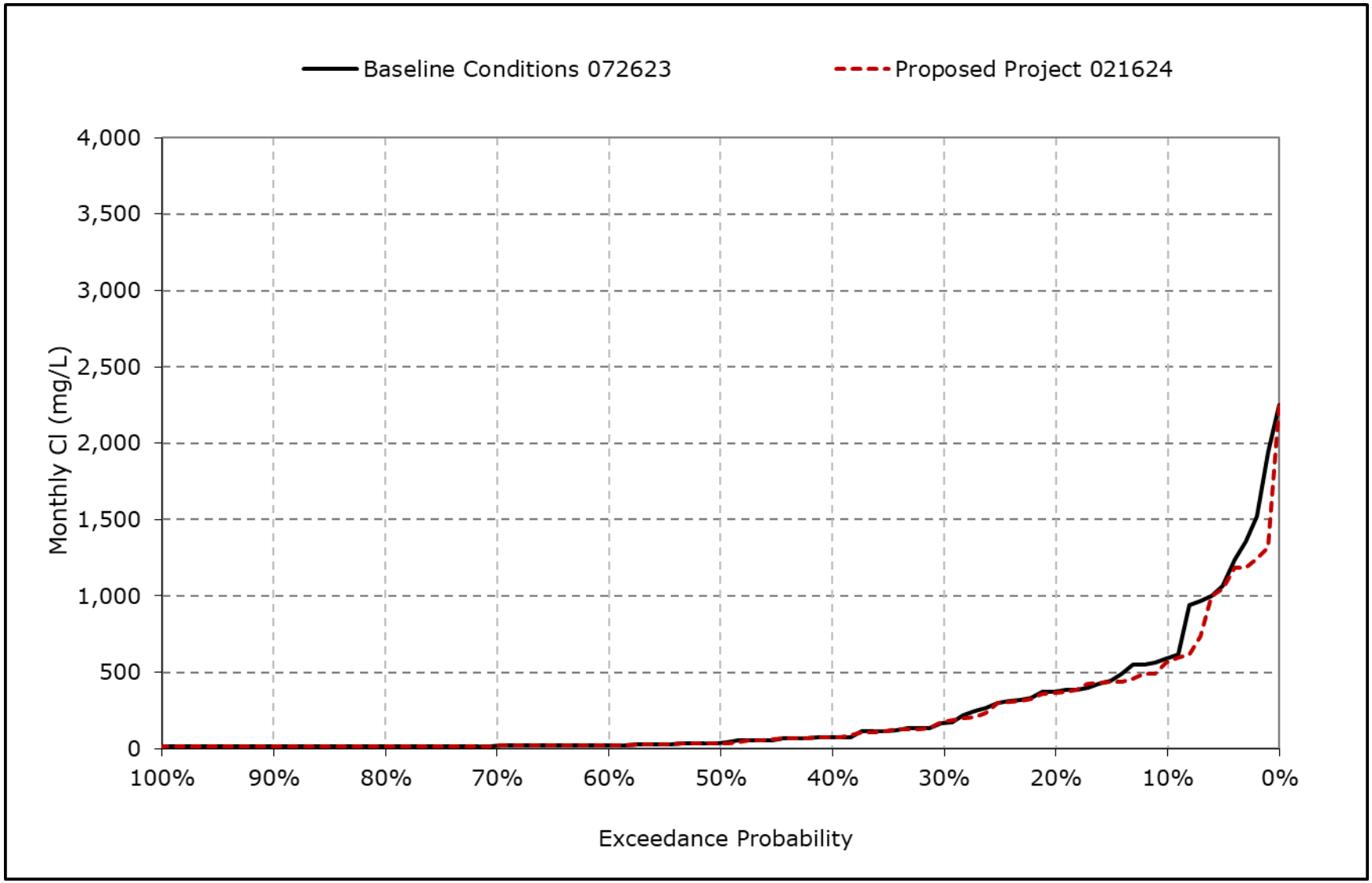
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-3j. Sacramento River at Collinsville Chloride, January Cl



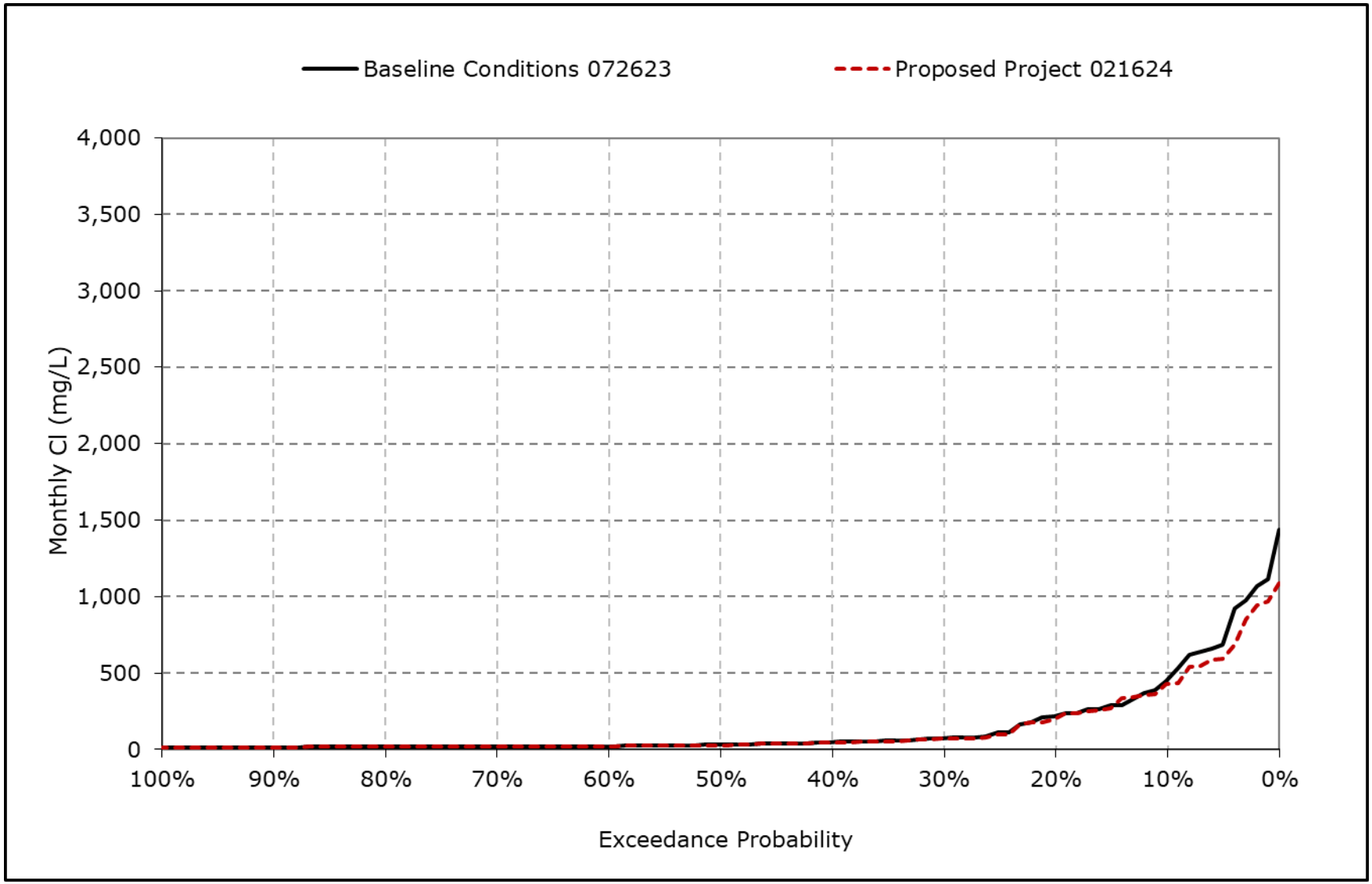
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-3k. Sacramento River at Collinsville Chloride, February Cl



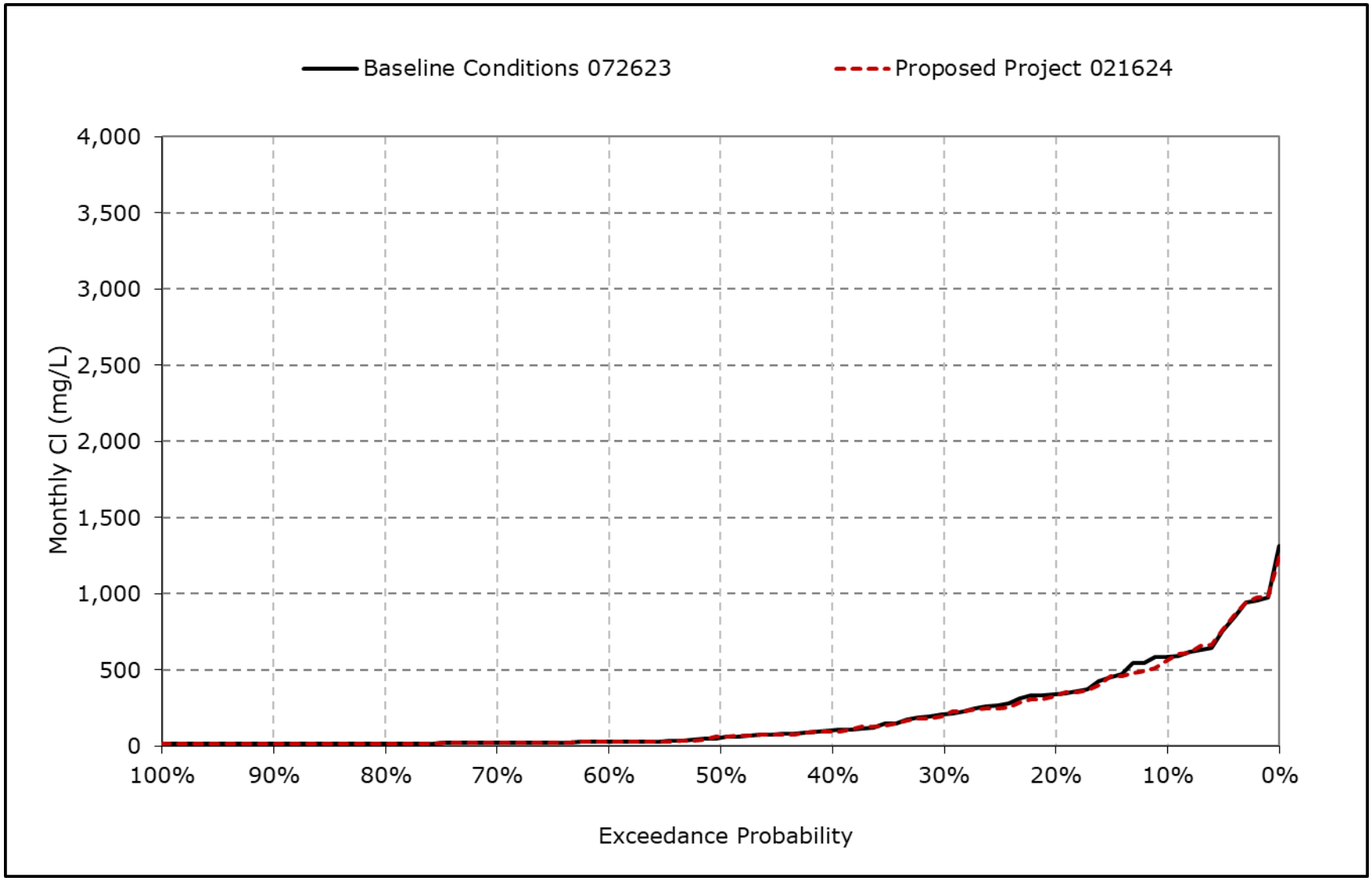
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-3l. Sacramento River at Collinsville Chloride, March Cl



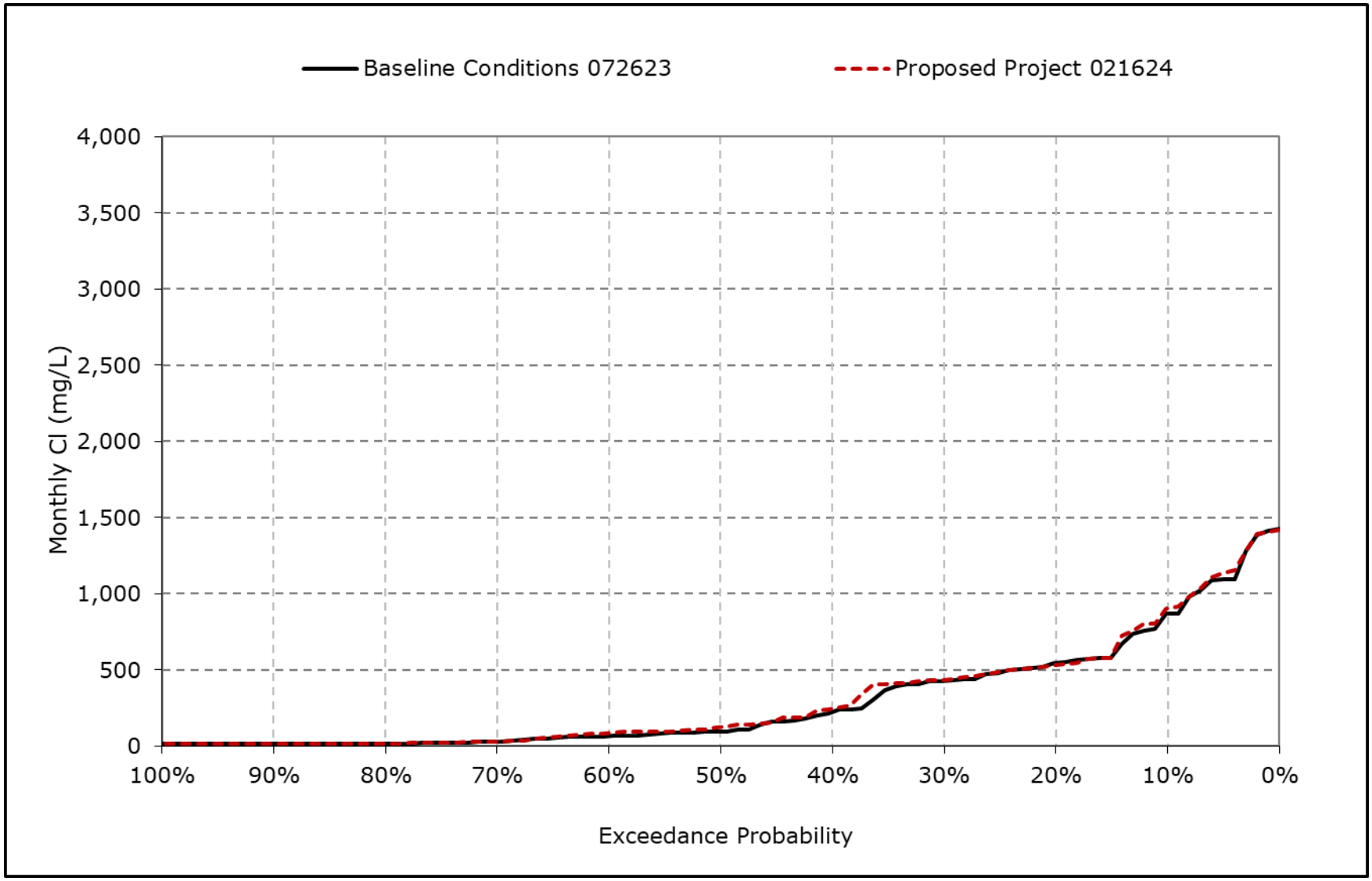
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-3m. Sacramento River at Collinsville Chloride, April Cl



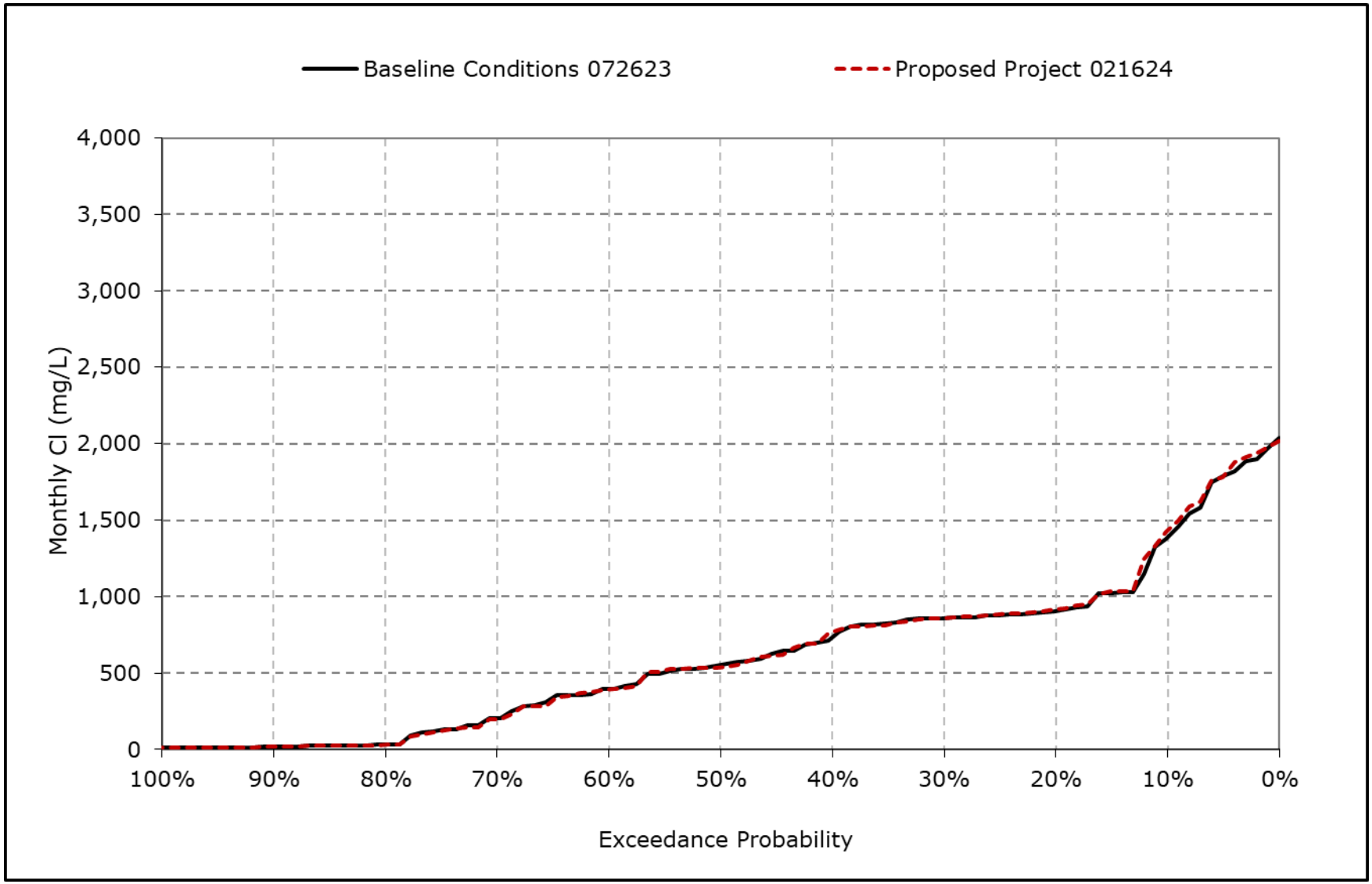
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-3n. Sacramento River at Collinsville Chloride, May Cl



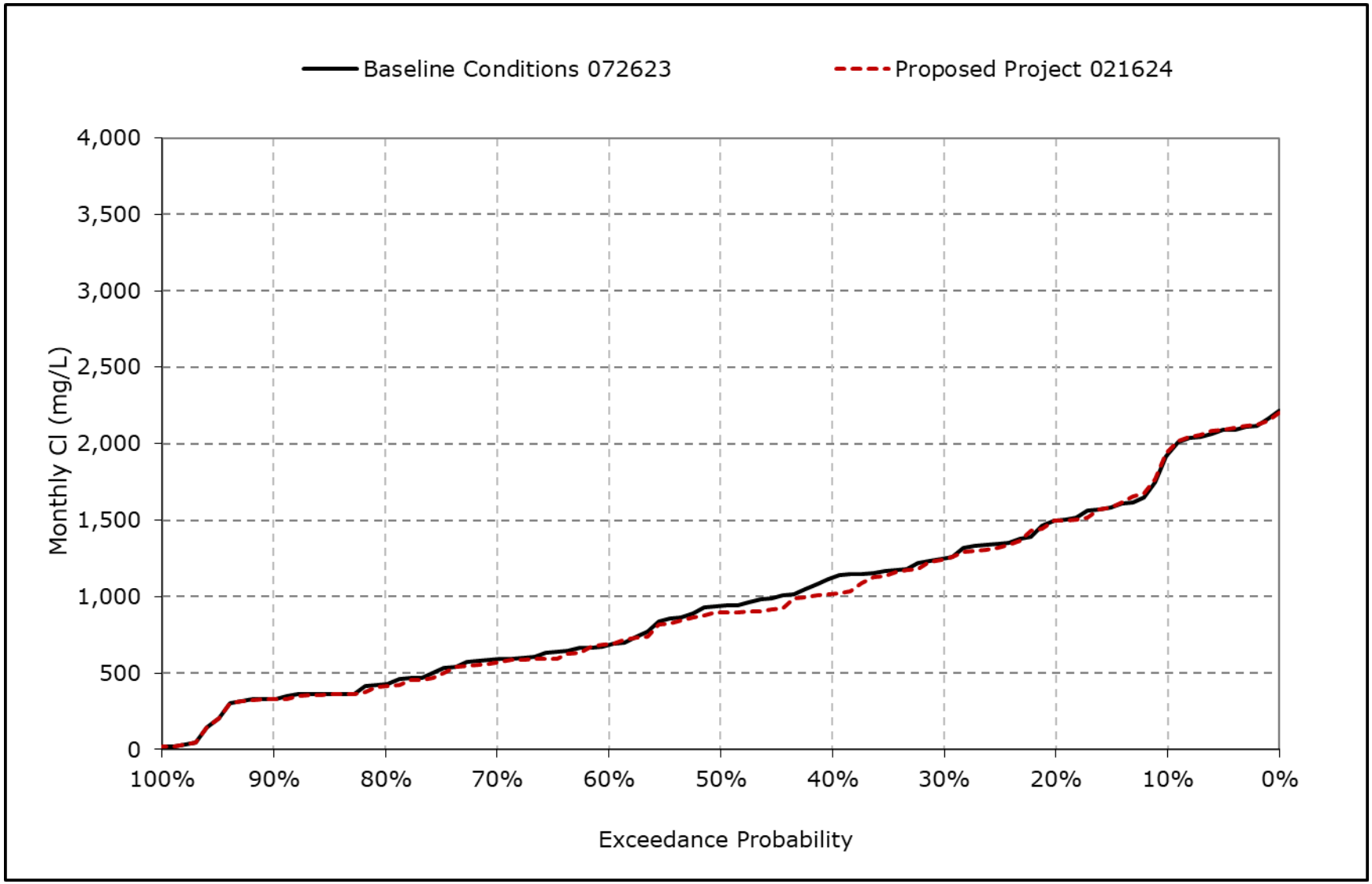
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-3o. Sacramento River at Collinsville Chloride, June Cl



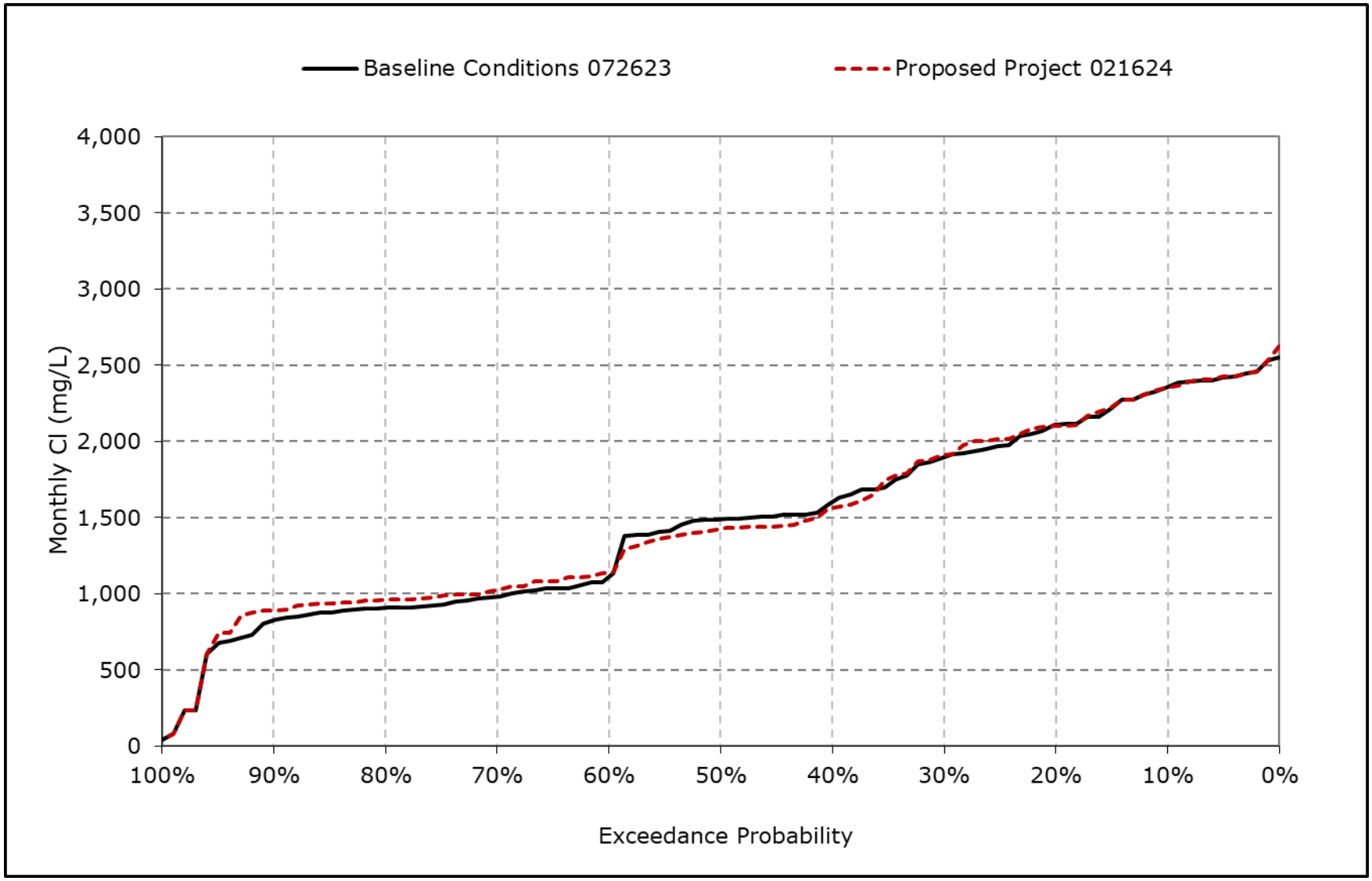
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-3p. Sacramento River at Collinsville Chloride, July Cl



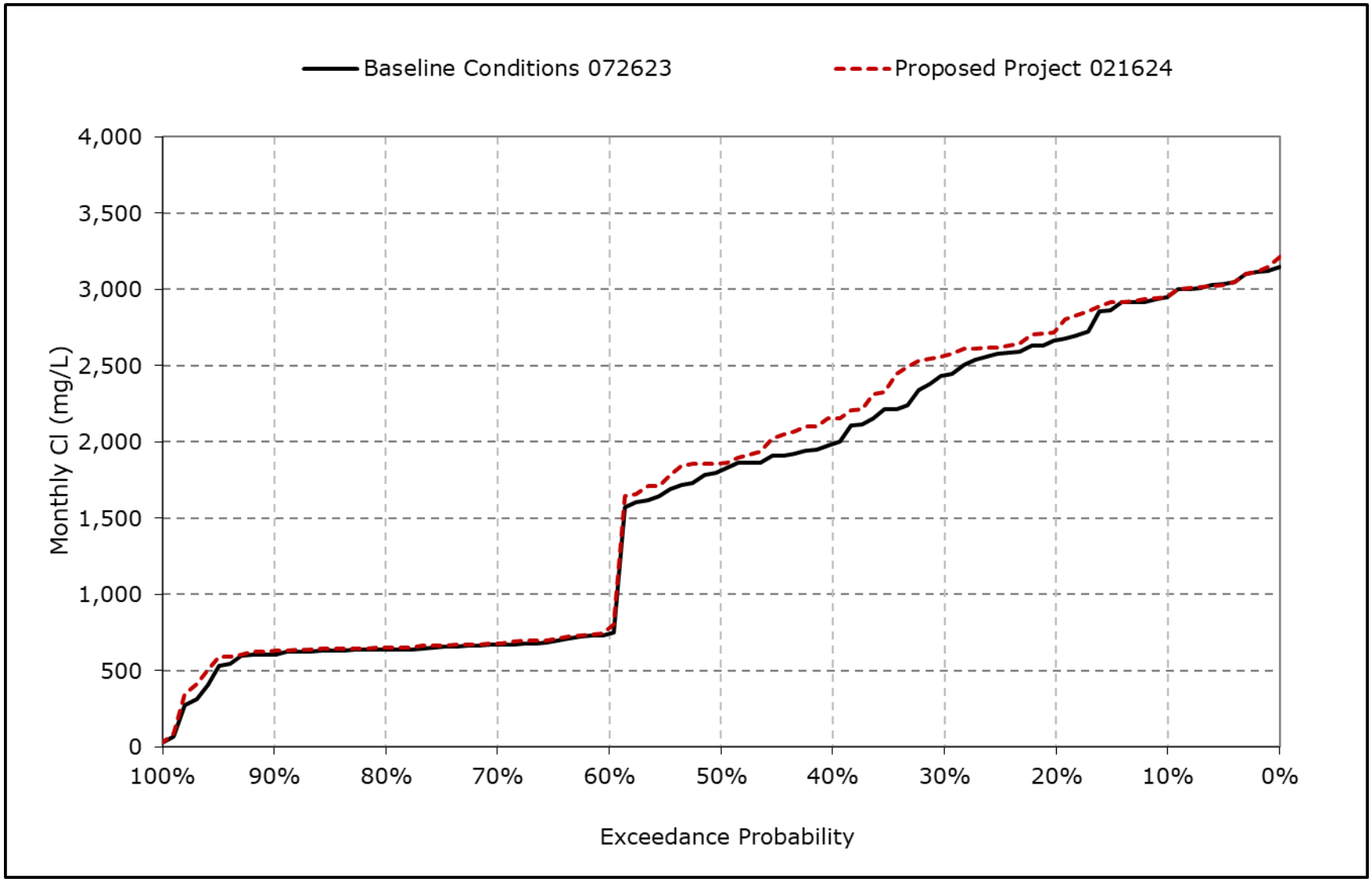
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-3q. Sacramento River at Collinsville Chloride, August Cl



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

Figure 4B-7-3r. Sacramento River at Collinsville Chloride, September Cl



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

Table 4B-7-4-1a. San Joaquin River at Jersey Point Chloride, Baseline Conditions 072623, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	522	580	561	396	158	47	39	56	115	269	360	464
20% Exceedance	473	504	532	305	80	31	30	35	62	222	315	448
30% Exceedance	437	465	496	215	51	27	28	31	57	185	300	437
40% Exceedance	404	433	456	156	32	26	26	29	45	156	281	422
50% Exceedance	383	350	383	93	28	24	25	27	31	129	259	388
60% Exceedance	71	247	213	48	26	23	24	24	26	71	164	127
70% Exceedance	47	209	131	27	22	22	23	22	21	50	141	105
80% Exceedance	39	153	83	22	20	21	21	20	19	31	110	97
90% Exceedance	29	58	32	20	20	20	19	16	16	22	62	62
Full Simulation Period Average[a]	276	338	322	154	62	32	28	33	51	132	222	289
Wet Water Years (30%)	240	254	145	45	23	20	20	18	19	34	93	80
Above Normal Years (11%)	270	371	311	81	25	23	25	23	24	48	130	92
Below Normal Years (21%)	230	287	368	170	46	26	27	28	41	143	295	452
Dry Water Years (22%)	266	355	430	232	86	37	29	31	57	232	315	413
Critical Water Years (16%)	419	514	456	280	149	62	49	75	134	221	304	430

Table 4B-7-4-1b. San Joaquin River at Jersey Point Chloride, Proposed Project 021624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	527	568	563	369	135	44	39	60	118	279	375	470
20% Exceedance	489	503	533	282	80	30	30	34	58	222	327	454
30% Exceedance	437	466	496	211	47	28	27	31	53	178	295	435
40% Exceedance	410	439	452	143	33	26	26	28	45	151	281	423
50% Exceedance	382	377	363	91	28	24	24	26	29	126	265	405
60% Exceedance	76	238	209	52	26	23	24	23	25	69	181	155
70% Exceedance	51	213	135	28	22	22	23	22	21	48	154	130
80% Exceedance	39	160	87	22	21	21	21	20	18	30	134	110
90% Exceedance	32	64	33	20	20	19	19	16	16	22	88	80
Full Simulation Period Average[a]	280	338	321	146	57	30	28	33	50	132	233	300
Wet Water Years (30%)	247	260	147	44	23	20	19	18	19	34	107	100
Above Normal Years (11%)	278	363	325	84	25	23	24	22	23	50	152	109
Below Normal Years (21%)	228	289	366	161	44	26	27	27	38	134	285	446
Dry Water Years (22%)	263	354	422	227	77	32	27	31	54	238	341	430
Critical Water Years (16%)	433	507	444	249	128	55	48	78	137	222	310	435

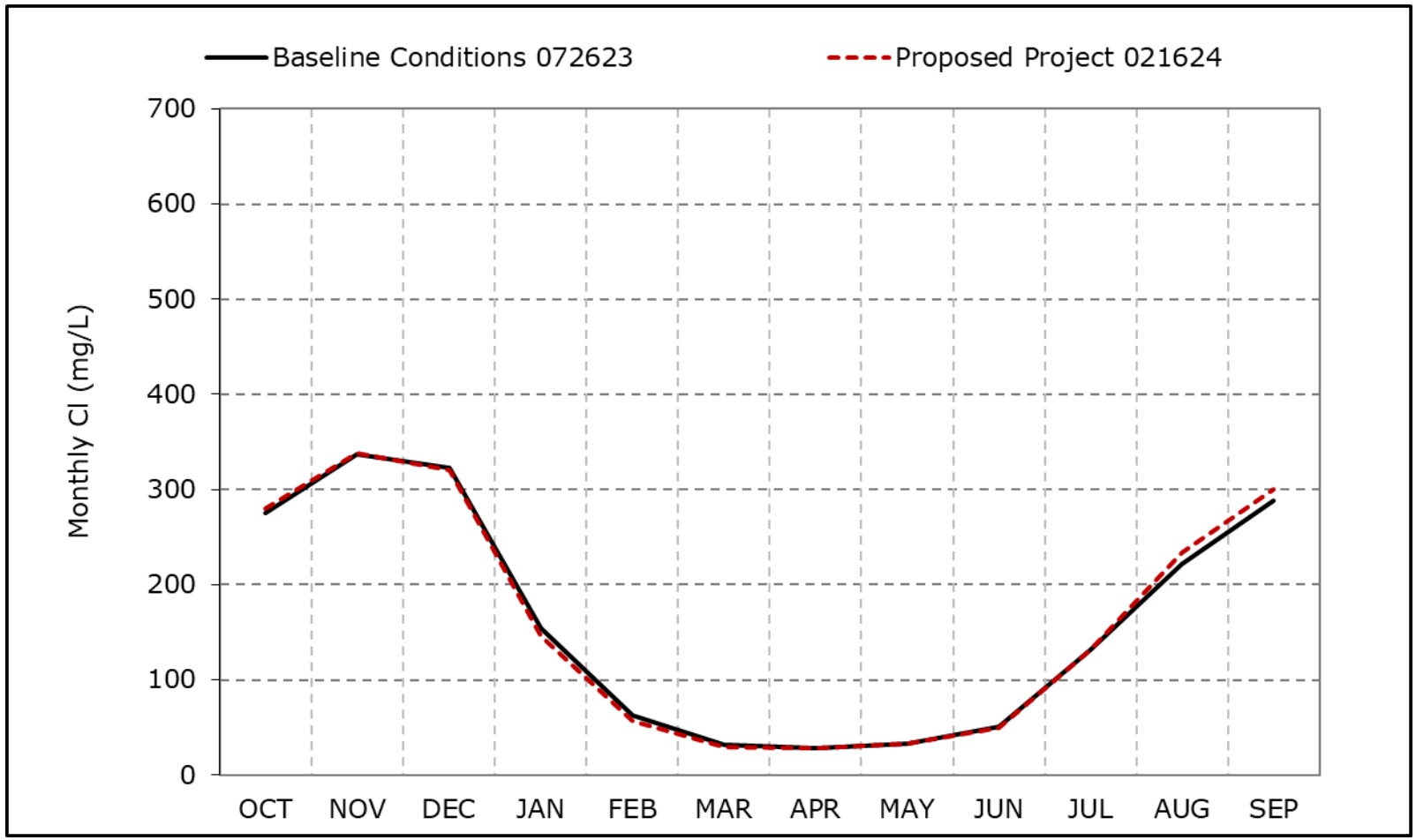
Table 4B-7-4-1c. San Joaquin River at Jersey Point Chloride, Proposed Project 021624 minus Baseline Conditions 072623, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	5	-12	2	-27	-23	-3	0	4	4	10	15	6
20% Exceedance	16	-1	1	-23	0	-1	0	-1	-4	0	11	6
30% Exceedance	0	1	0	-5	-4	0	-1	0	-4	-6	-4	-1
40% Exceedance	6	6	-4	-13	1	0	0	-1	-1	-6	0	1
50% Exceedance	-1	27	-19	-2	0	0	0	0	-2	-3	6	17
60% Exceedance	5	-9	-4	4	0	0	0	-1	-1	-2	17	28
70% Exceedance	4	4	4	0	0	0	0	0	0	-2	12	26
80% Exceedance	0	7	4	0	0	0	0	0	0	-1	24	13
90% Exceedance	3	5	1	0	0	0	0	0	0	0	27	18
Full Simulation Period Average[a]	4	0	-2	-8	-6	-2	-1	0	-1	0	11	11
Wet Water Years (30%)	7	6	2	-1	0	0	0	0	0	0	14	20
Above Normal Years (11%)	8	-7	13	2	0	0	-1	-1	-1	1	22	17
Below Normal Years (21%)	-3	2	-2	-9	-2	0	0	-1	-3	-9	-10	-5
Dry Water Years (22%)	-3	-1	-7	-5	-9	-5	-2	0	-2	6	26	16
Critical Water Years (16%)	14	-7	-12	-31	-21	-7	-1	2	3	1	6	5

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

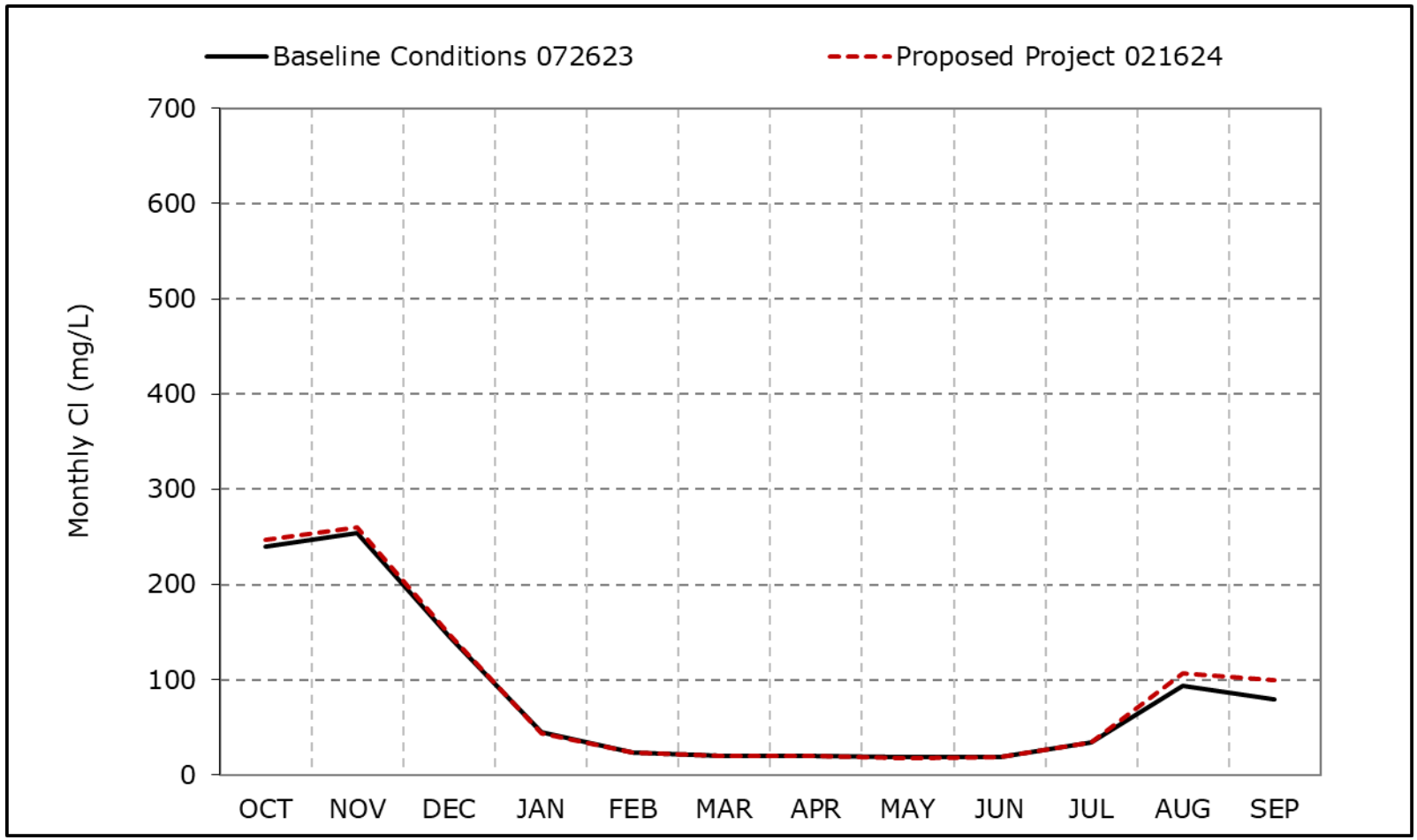
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-7-4a. San Joaquin River at Jersey Point Chloride, Long-Term Average Cl



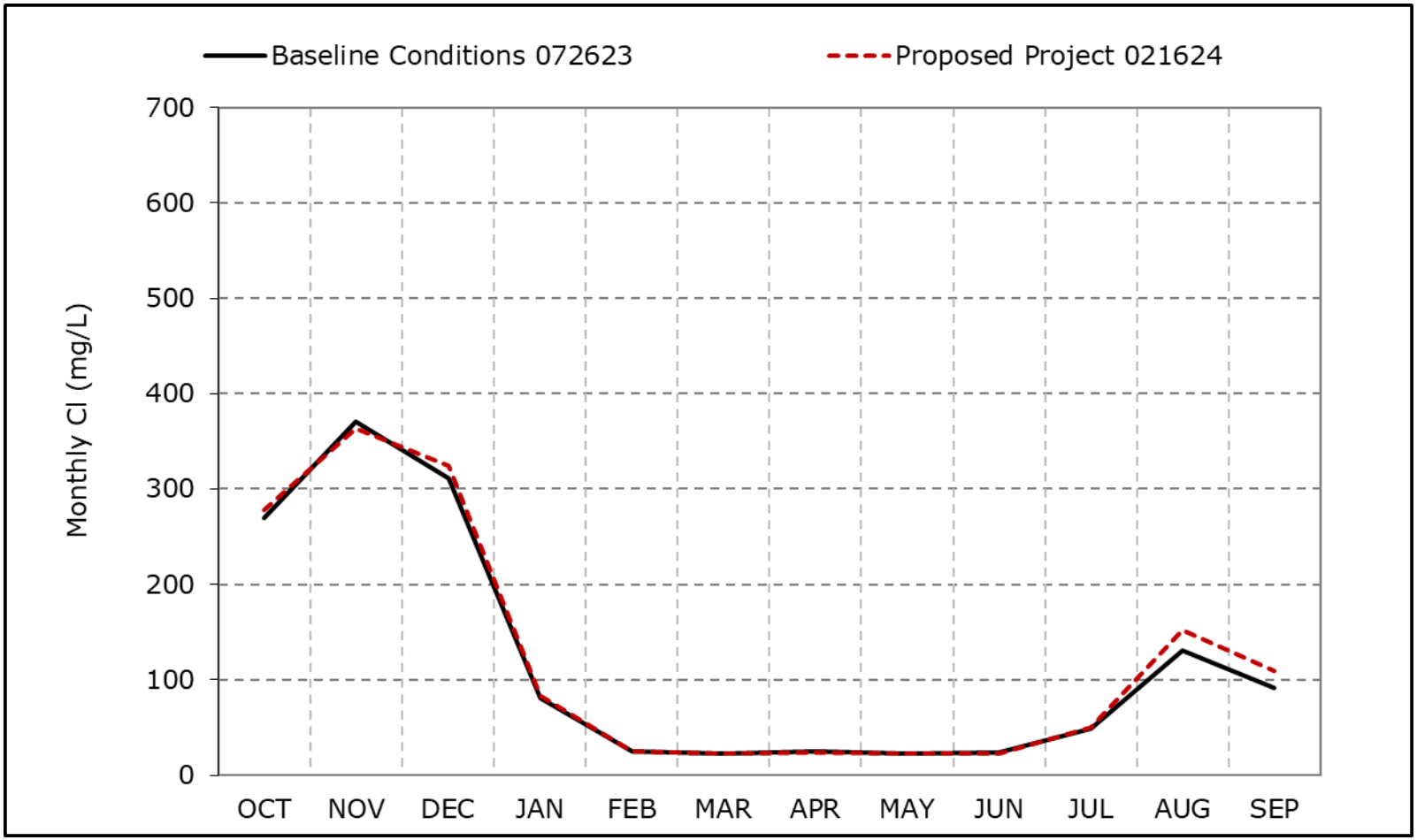
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-4b. San Joaquin River at Jersey Point Chloride, Wet Year Average Cl



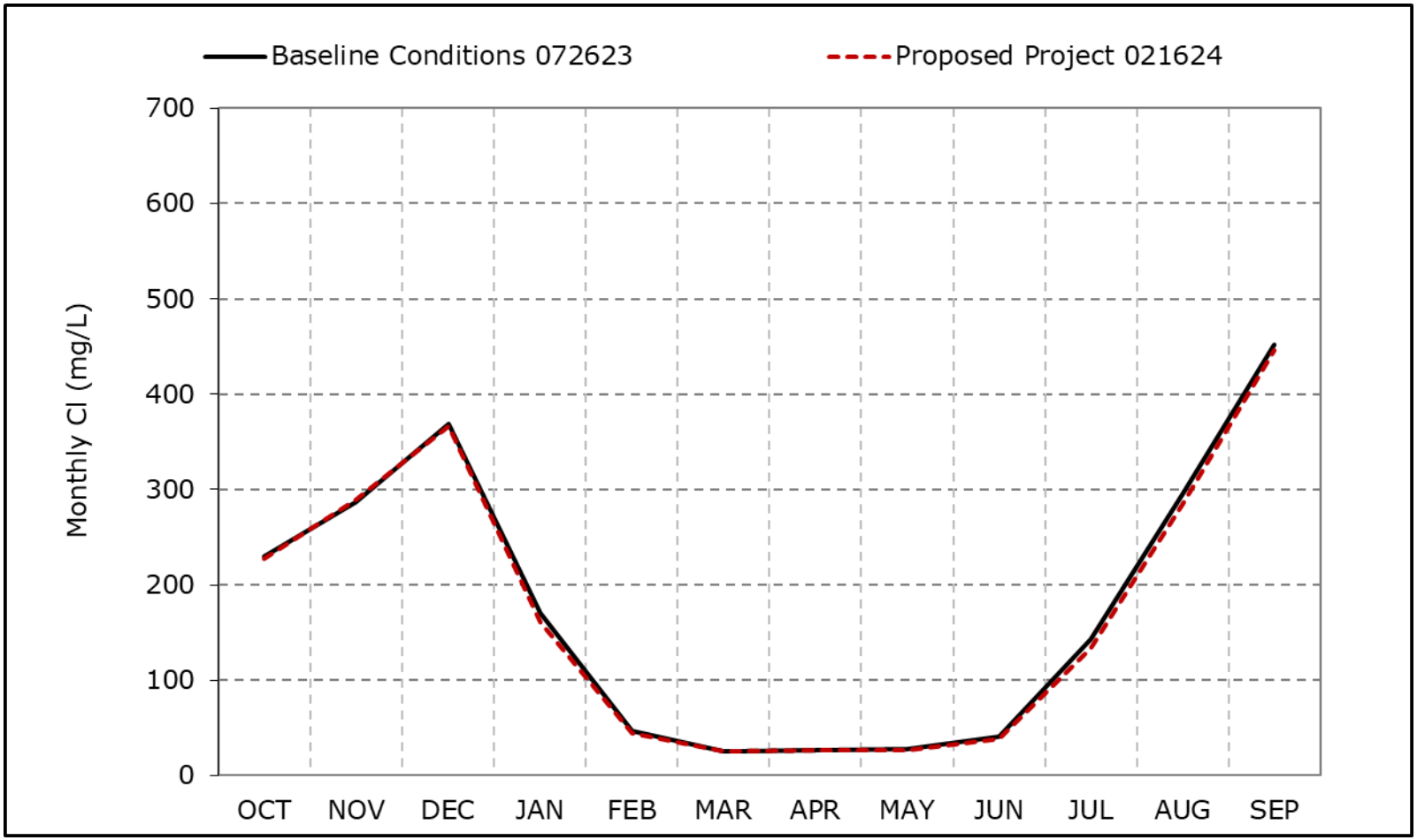
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-4c. San Joaquin River at Jersey Point Chloride, Above Normal Year Average Cl



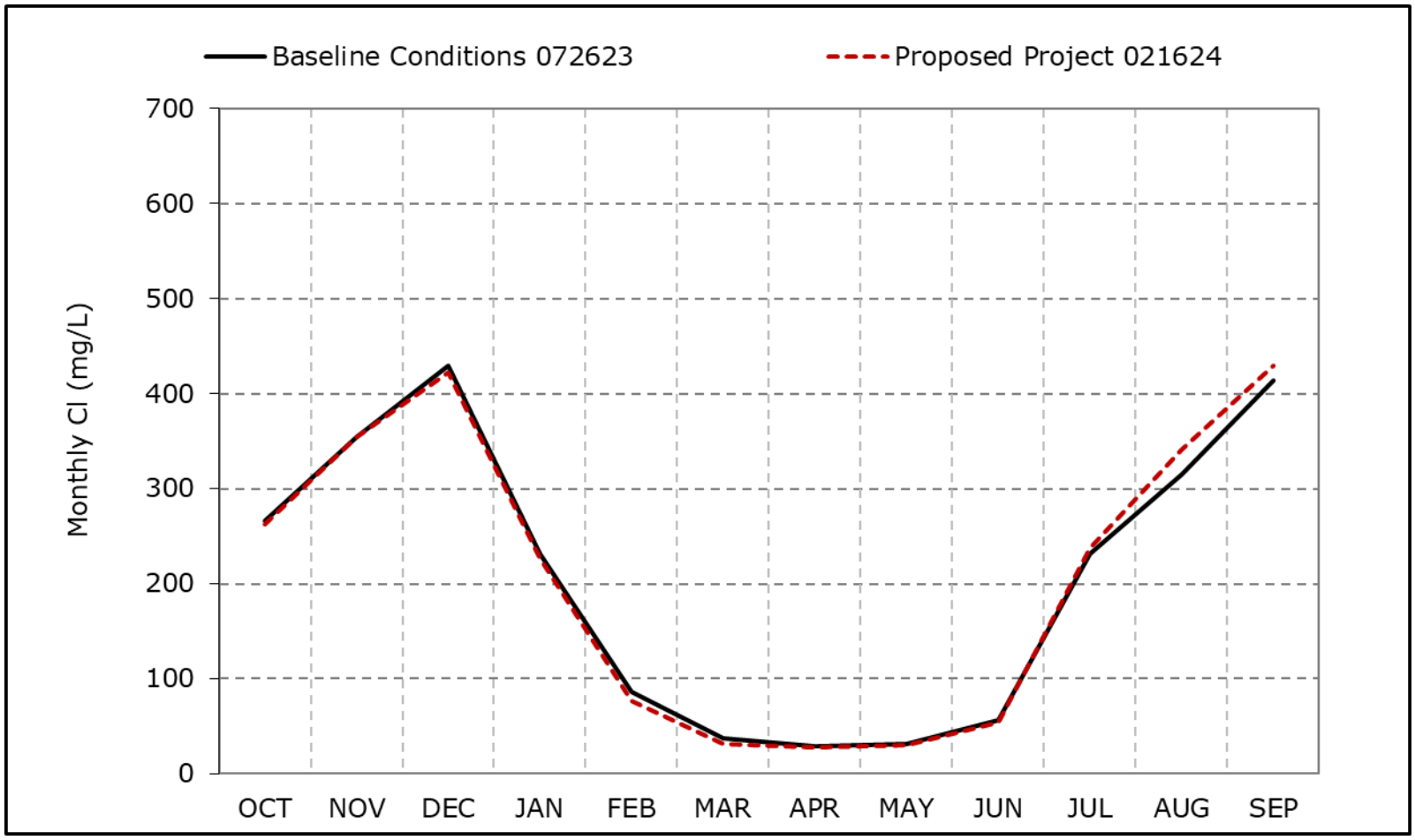
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-4d. San Joaquin River at Jersey Point Chloride, Below Normal Year Average Cl



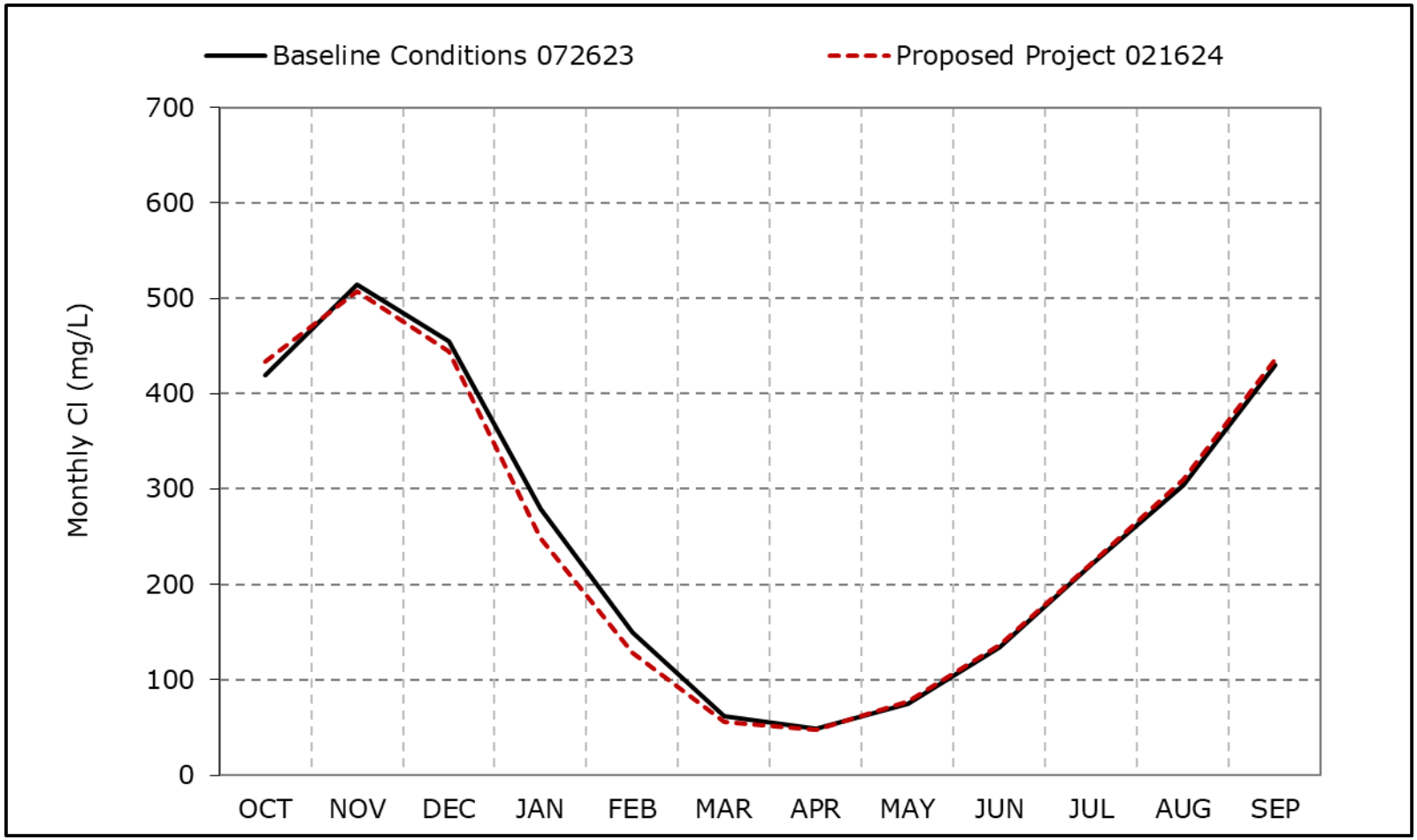
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-4e. San Joaquin River at Jersey Point Chloride, Dry Year Average Cl



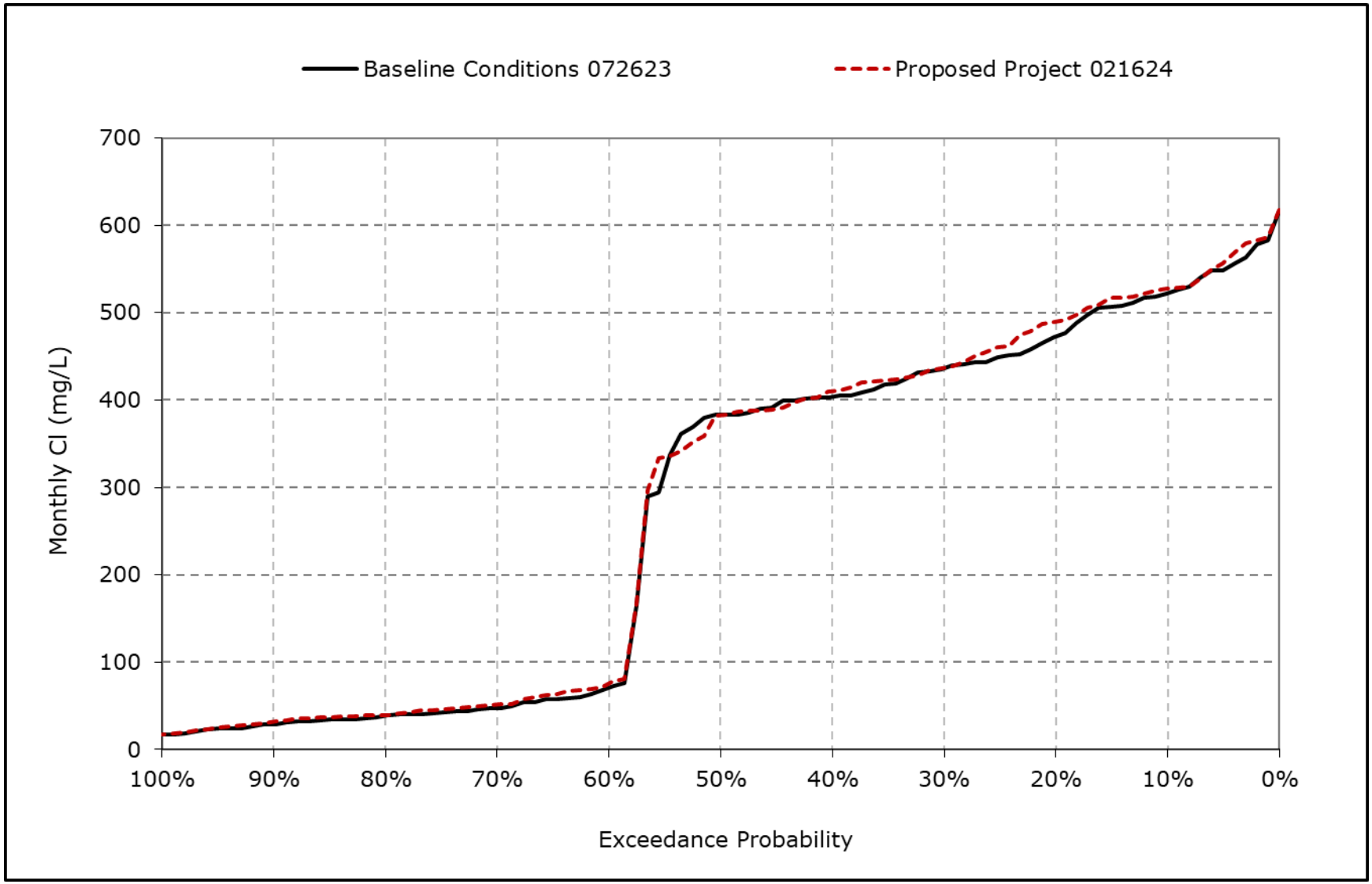
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-4f. San Joaquin River at Jersey Point Chloride, Critical Year Average Cl



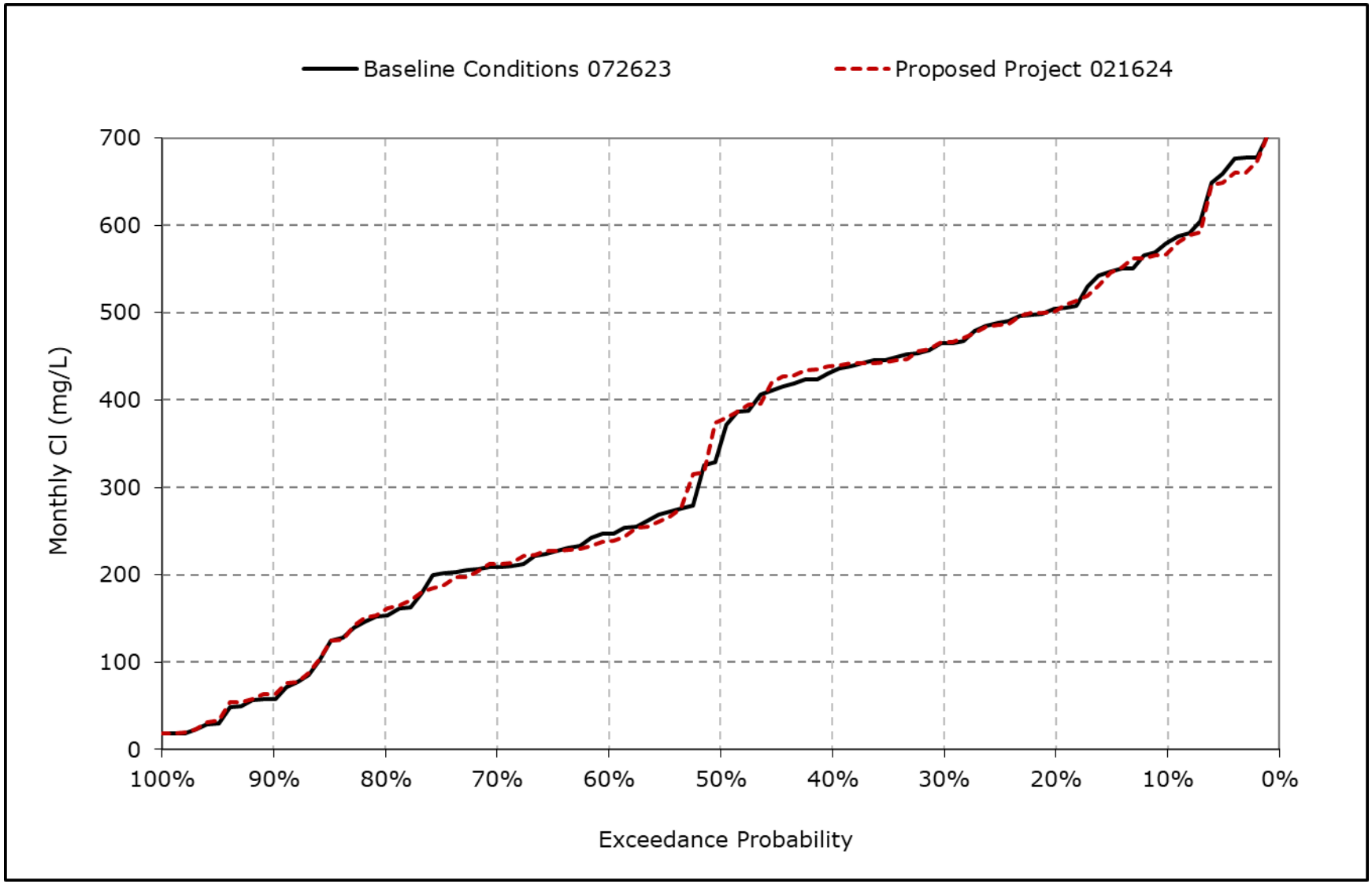
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-4g. San Joaquin River at Jersey Point Chloride, October Cl



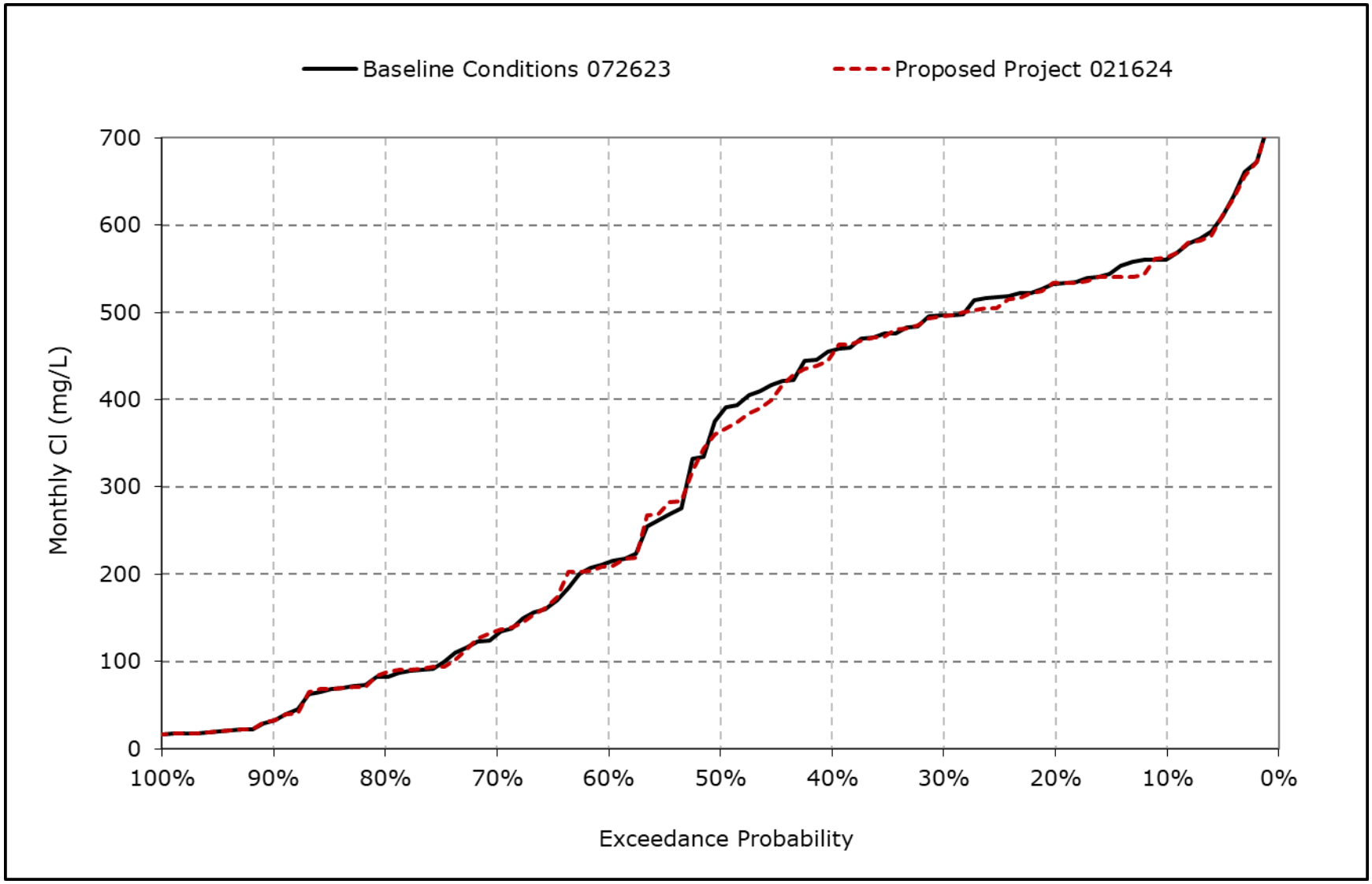
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-4h. San Joaquin River at Jersey Point Chloride, November Cl



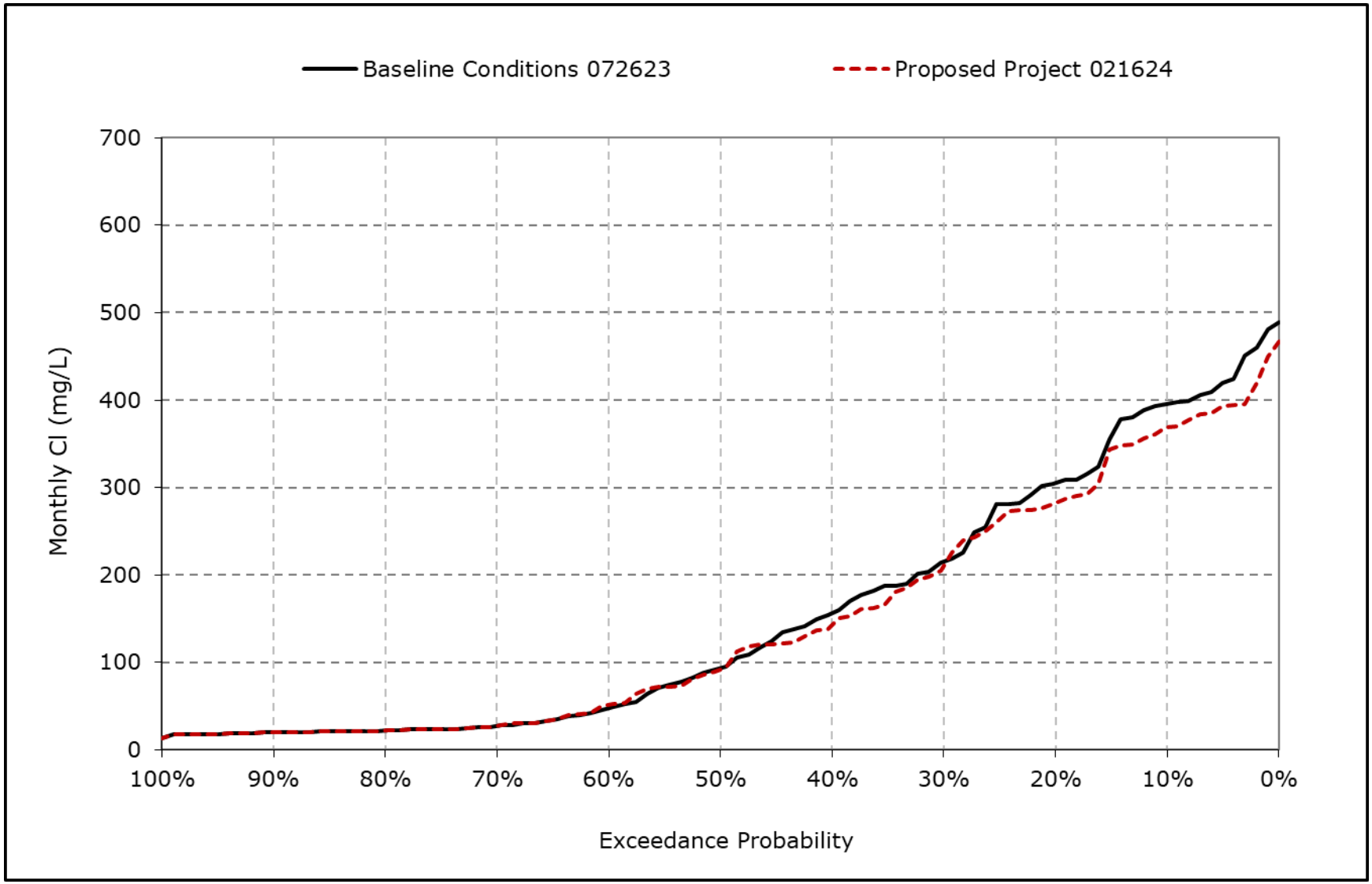
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-4i. San Joaquin River at Jersey Point Chloride, December Cl



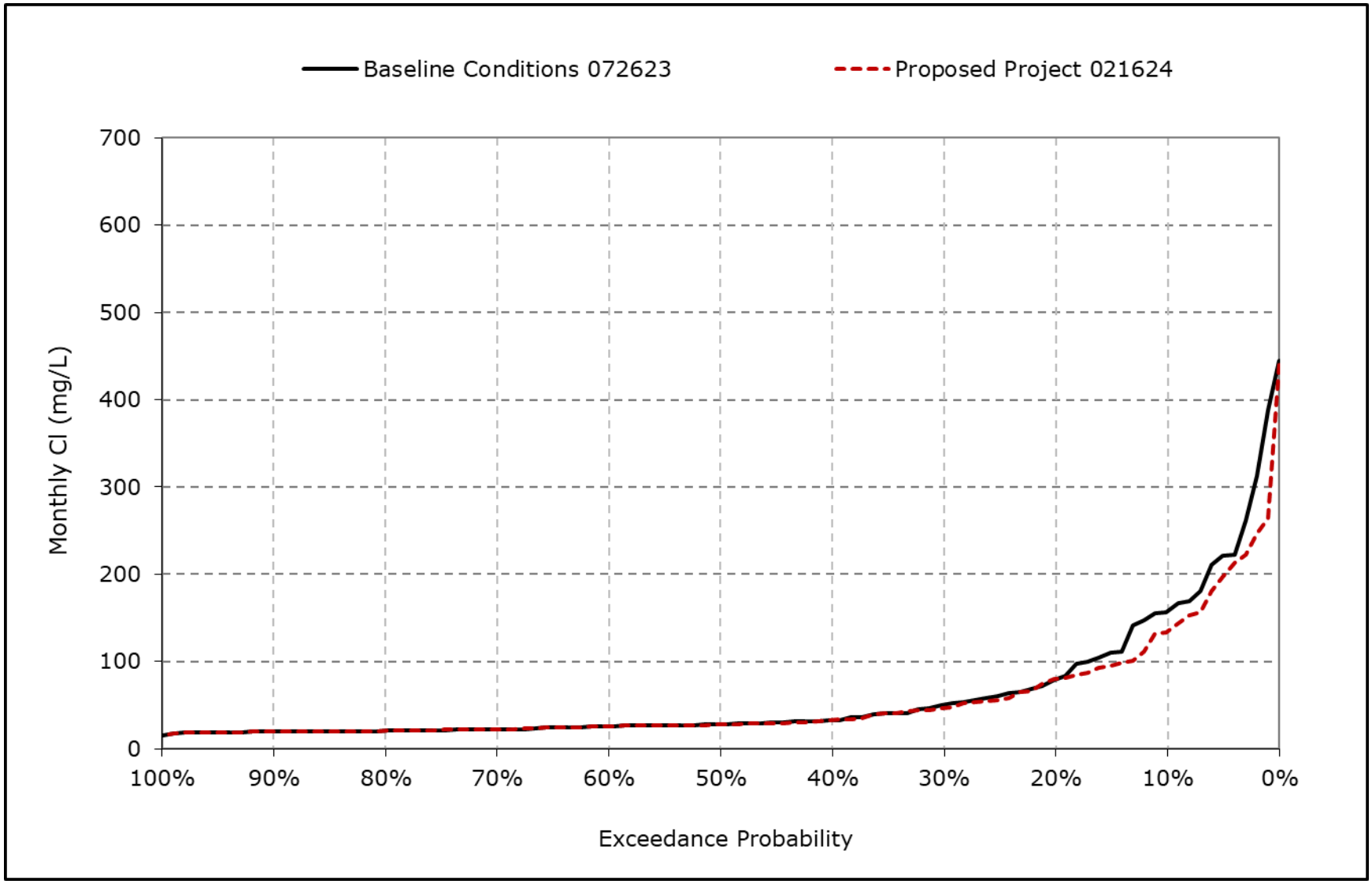
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-4j. San Joaquin River at Jersey Point Chloride, January Cl



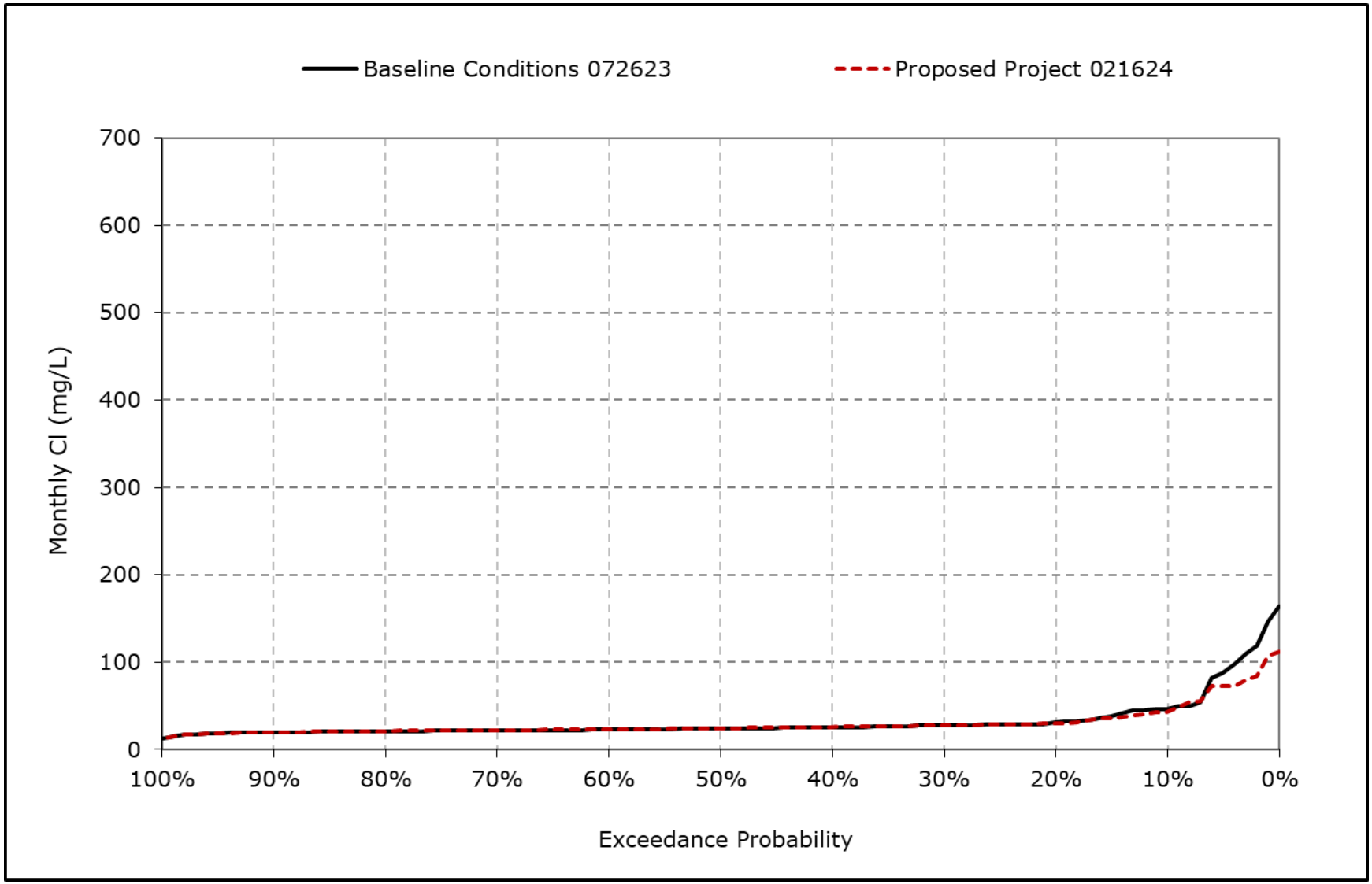
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-4k. San Joaquin River at Jersey Point Chloride, February Cl



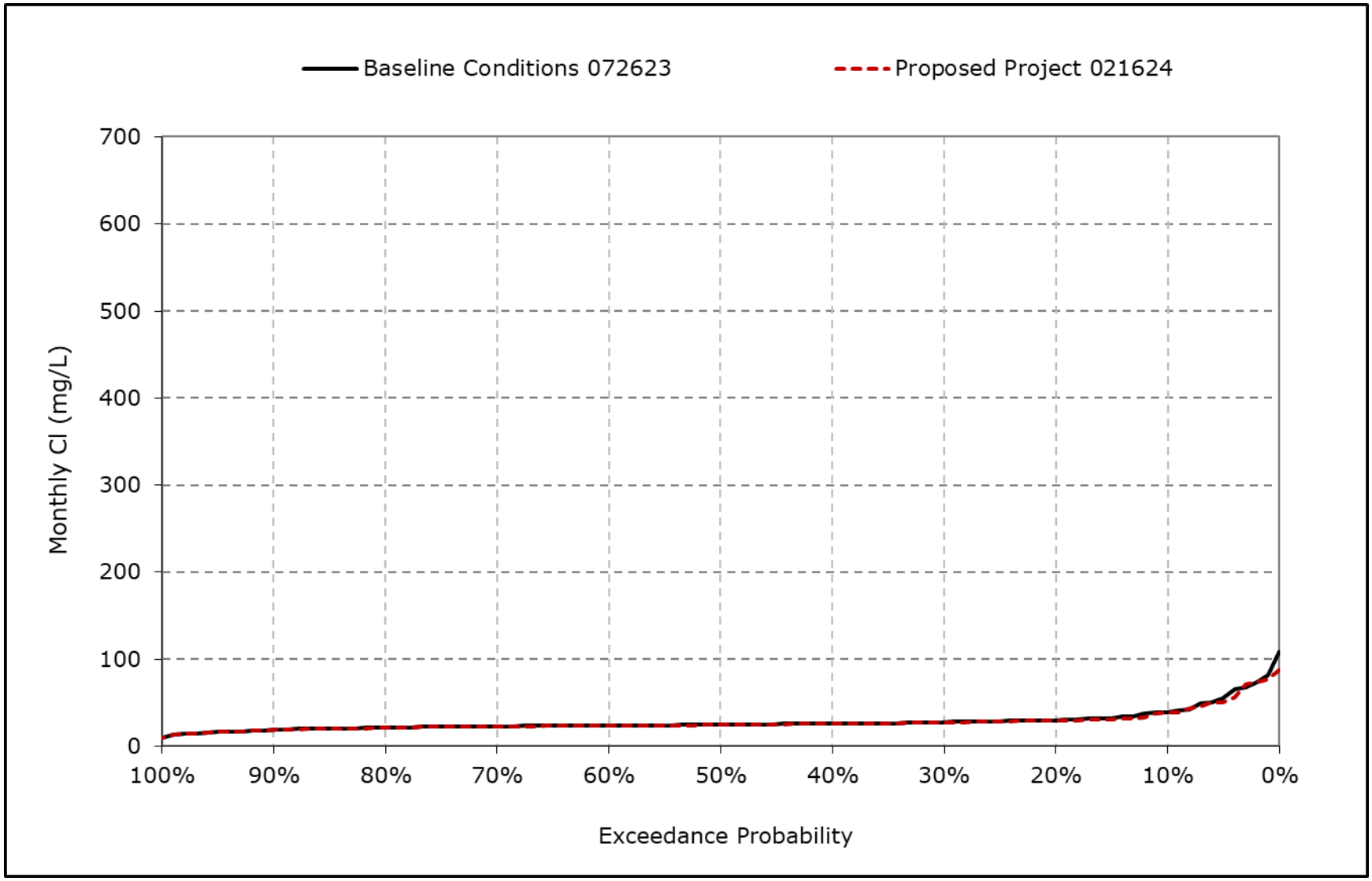
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-4l. San Joaquin River at Jersey Point Chloride, March Cl



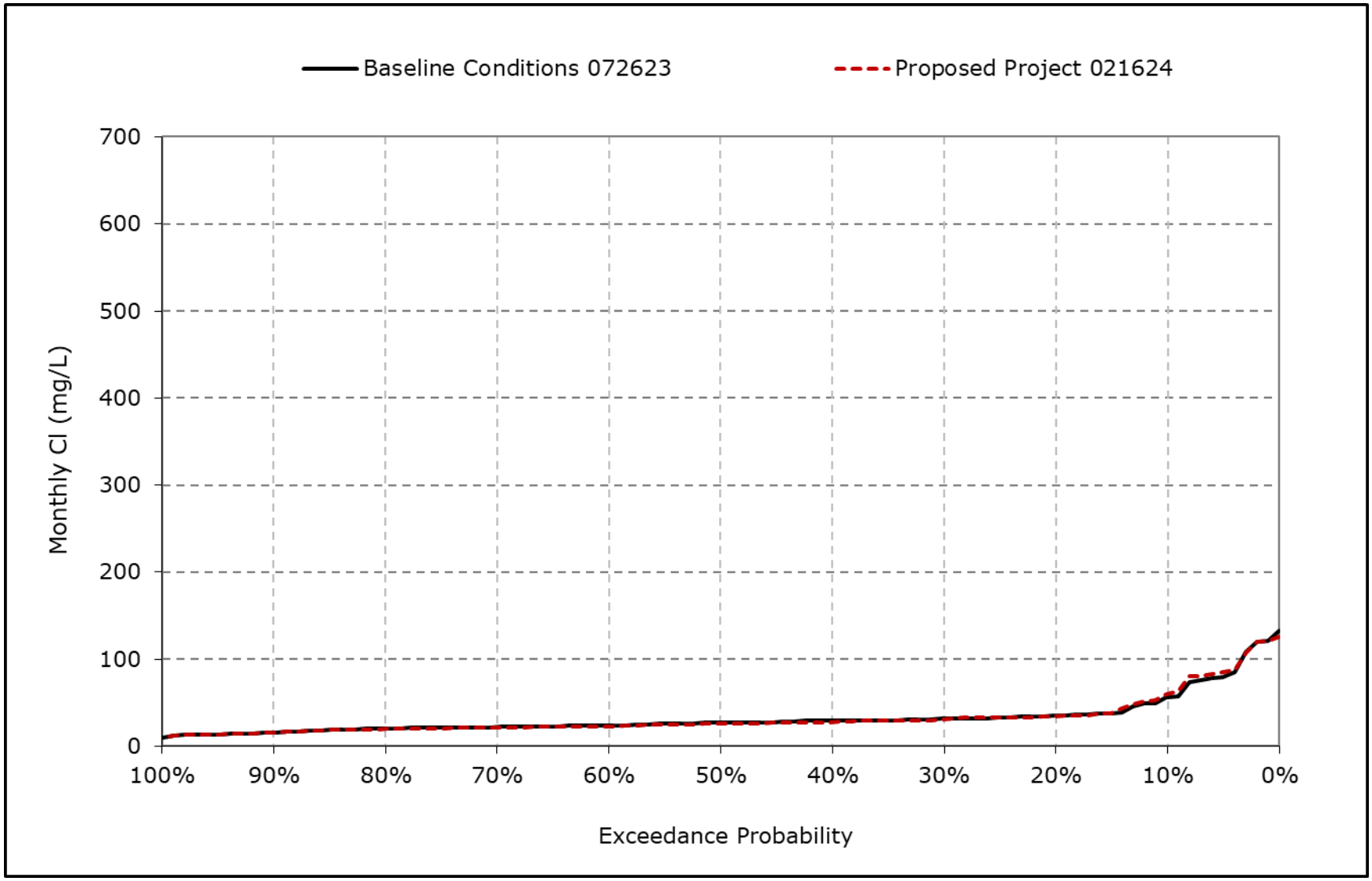
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-4m. San Joaquin River at Jersey Point Chloride, April Cl



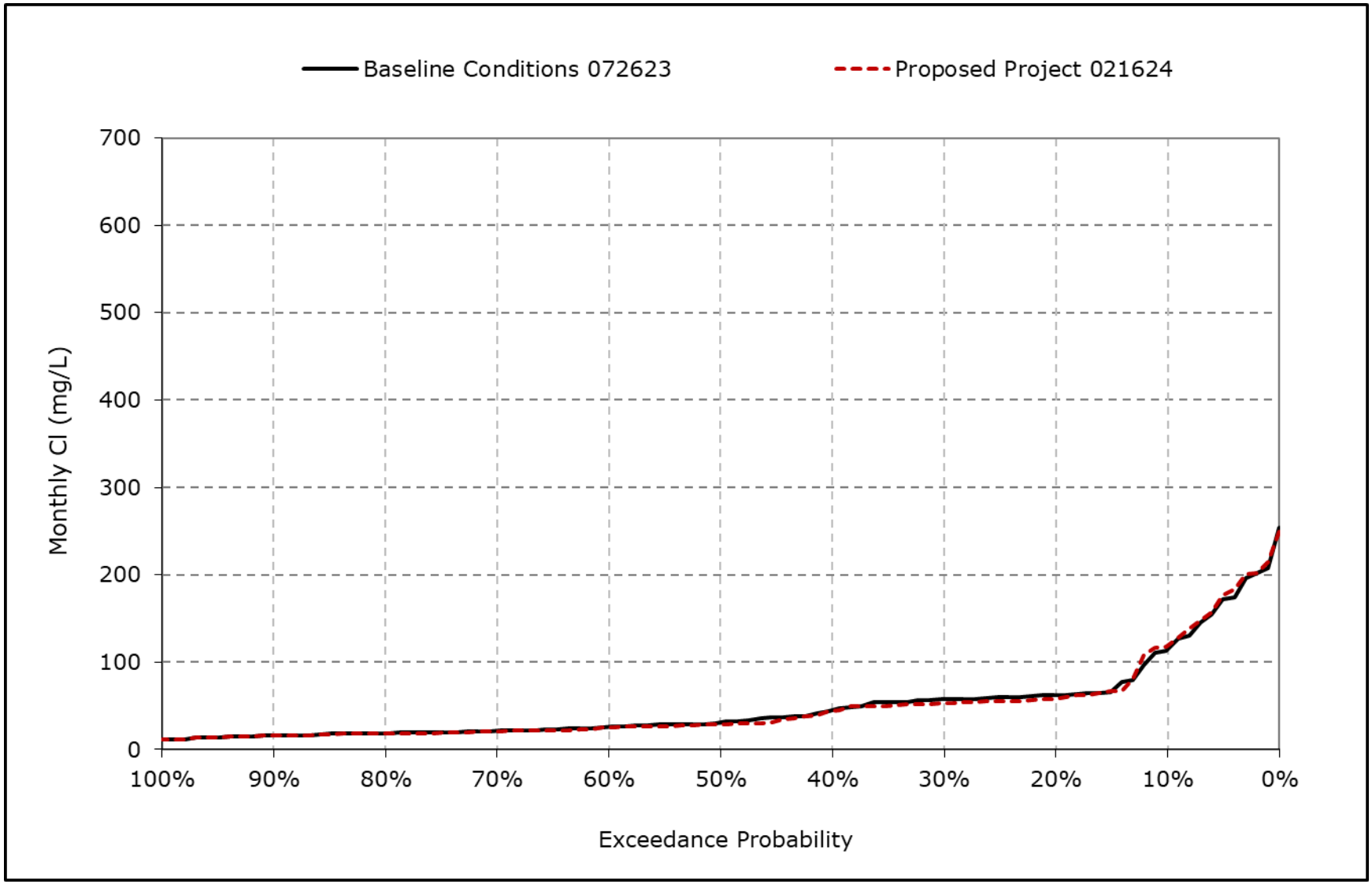
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-4n. San Joaquin River at Jersey Point Chloride, May Cl



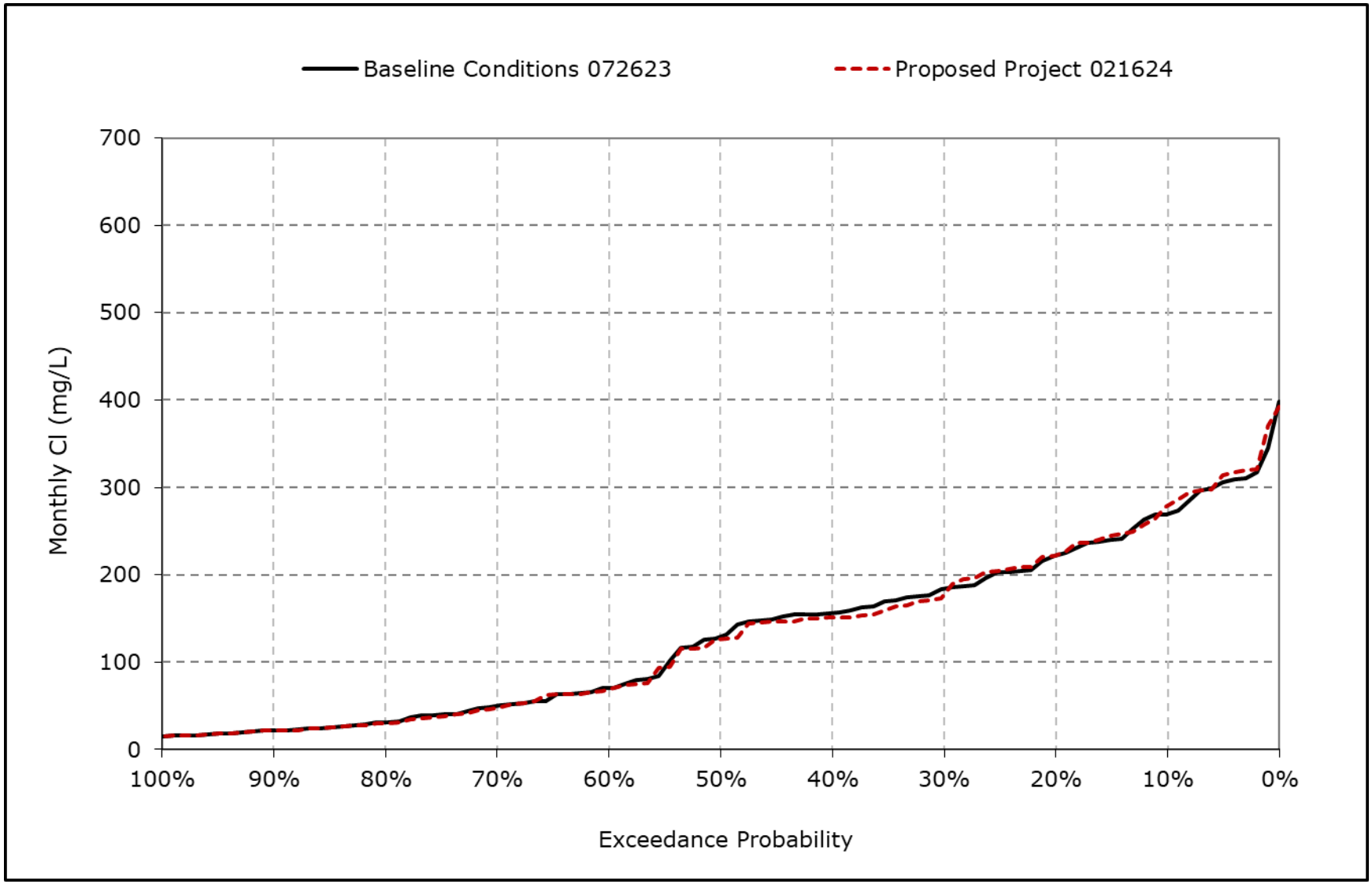
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-4o. San Joaquin River at Jersey Point Chloride, June Cl



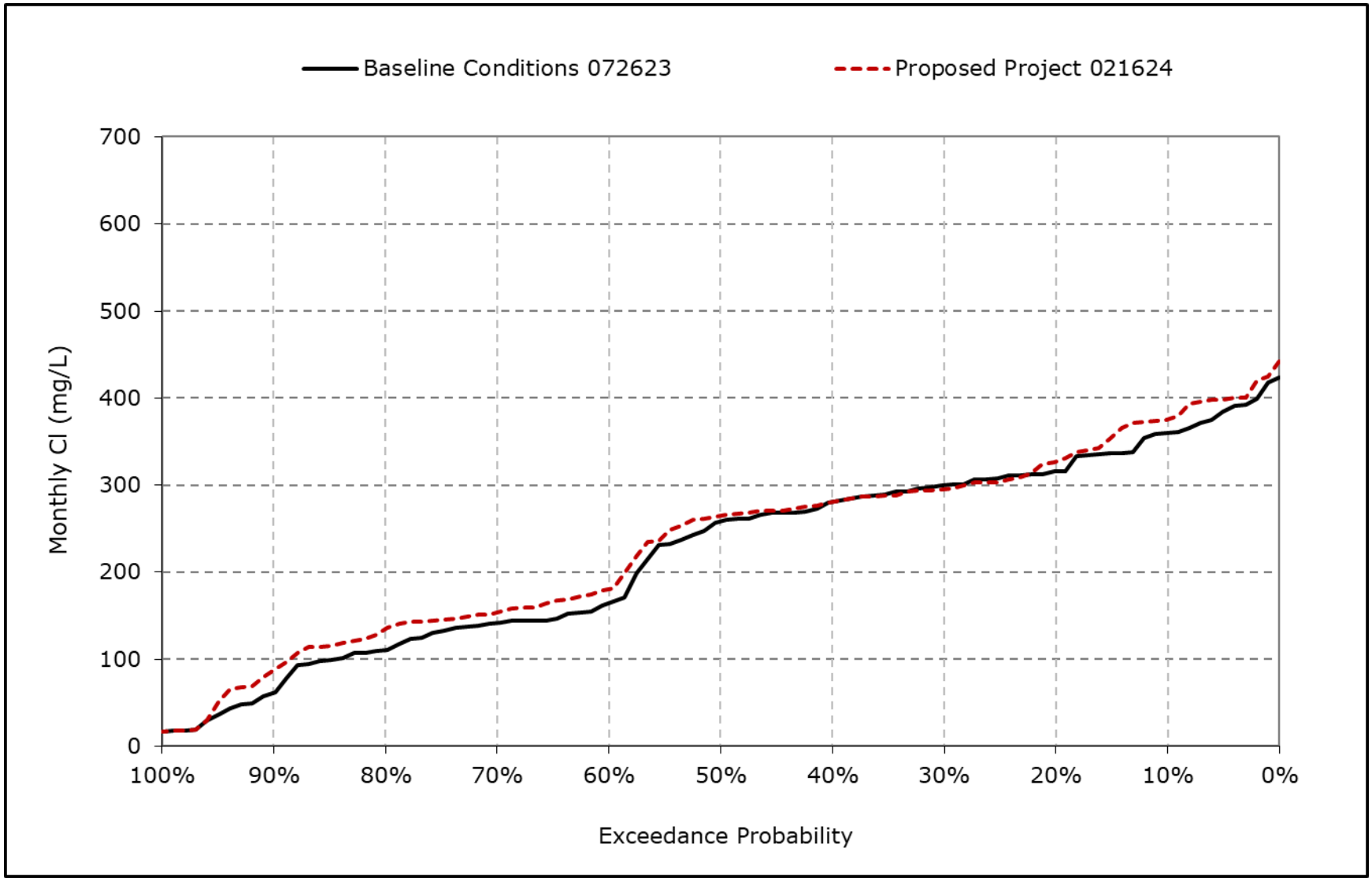
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-4p. San Joaquin River at Jersey Point Chloride, July Cl



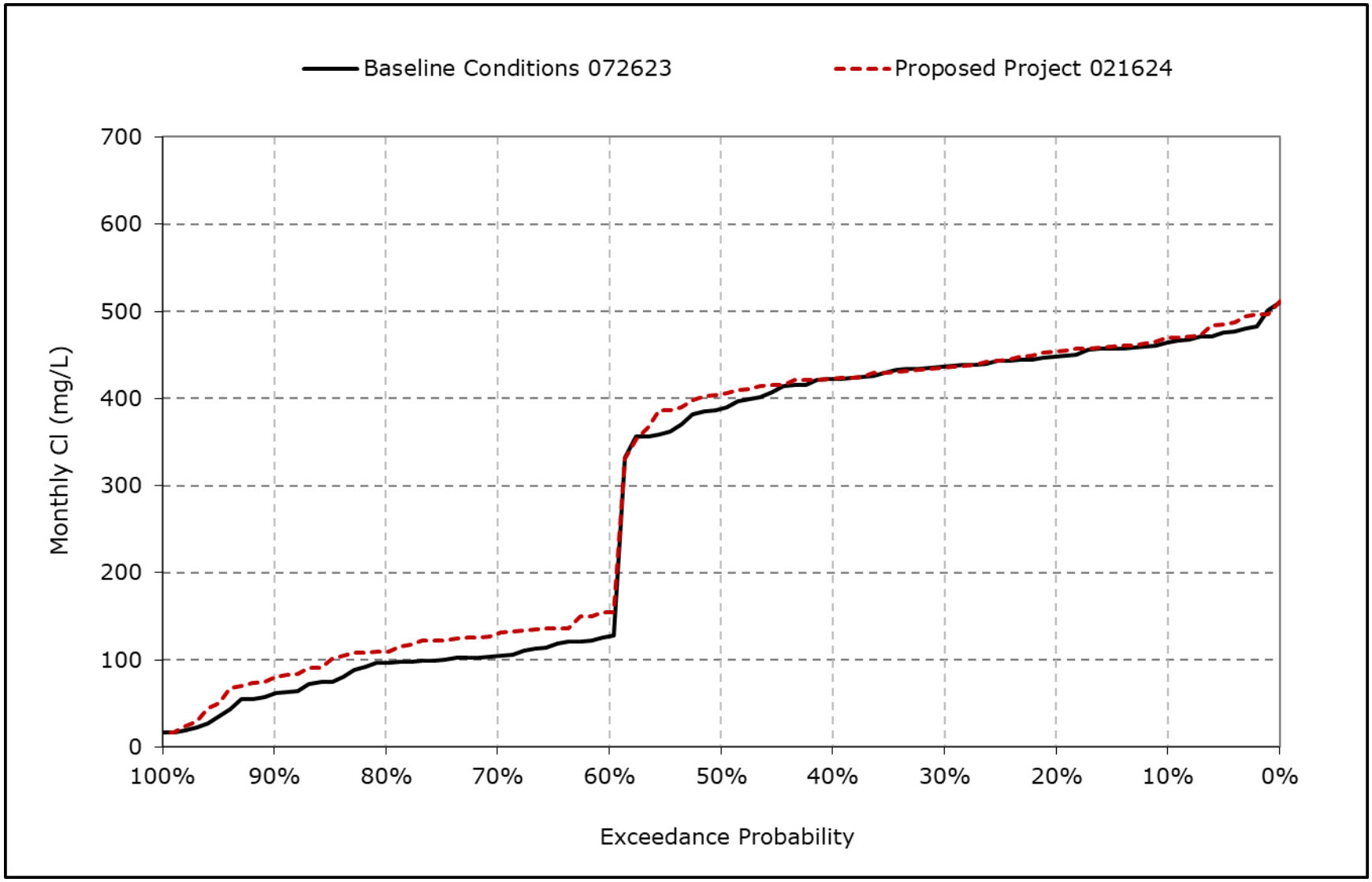
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-4q. San Joaquin River at Jersey Point Chloride, August Cl



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

Figure 4B-7-4r. San Joaquin River at Jersey Point Chloride, September Cl



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

Table 4B-7-5-1a. San Joaquin River at San Andreas Chloride, Baseline Conditions 072623, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	124	142	175	128	58	27	28	27	25	37	55	74
20% Exceedance	105	102	163	108	31	24	26	26	21	30	45	70
30% Exceedance	78	90	149	76	25	22	25	25	20	25	41	66
40% Exceedance	68	79	141	56	24	22	24	24	19	24	38	64
50% Exceedance	60	70	115	36	22	21	23	23	19	23	35	59
60% Exceedance	20	41	66	24	20	20	22	21	18	19	24	22
70% Exceedance	18	33	36	20	19	19	21	19	17	17	22	21
80% Exceedance	17	26	26	19	18	18	19	17	16	17	20	20
90% Exceedance	17	20	19	17	17	17	15	14	14	16	18	17
Full Simulation Period Average[a]	59	72	99	57	30	22	23	22	20	24	34	47
Wet Water Years (30%)	50	51	49	24	18	18	18	16	16	16	19	19
Above Normal Years (11%)	58	88	100	34	20	19	22	20	18	17	21	20
Below Normal Years (21%)	49	56	109	59	26	21	24	23	19	22	38	68
Dry Water Years (22%)	59	69	131	84	37	24	24	24	20	31	48	62
Critical Water Years (16%)	90	123	139	92	55	31	28	29	28	34	48	70

Table 4B-7-5-1b. San Joaquin River at San Andreas Chloride, Proposed Project 021624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	127	137	173	122	50	26	28	27	25	38	60	74
20% Exceedance	104	102	162	98	30	24	26	26	21	30	49	71
30% Exceedance	75	89	148	75	26	23	24	24	20	25	42	66
40% Exceedance	67	77	137	50	24	22	24	23	19	23	40	64
50% Exceedance	58	71	114	35	22	21	23	22	18	22	36	60
60% Exceedance	21	40	69	24	20	20	22	20	18	18	26	24
70% Exceedance	18	33	37	20	19	19	20	19	17	17	23	22
80% Exceedance	17	27	25	19	18	18	19	17	16	16	22	21
90% Exceedance	17	21	20	17	17	16	15	14	14	16	19	18
Full Simulation Period Average[a]	59	71	99	54	28	22	22	22	19	24	36	48
Wet Water Years (30%)	51	52	50	24	18	17	17	16	16	16	20	20
Above Normal Years (11%)	59	85	103	34	20	20	22	19	17	17	23	21
Below Normal Years (21%)	46	56	109	57	26	22	24	23	19	22	38	66
Dry Water Years (22%)	56	67	128	82	34	23	24	24	20	31	53	65
Critical Water Years (16%)	94	119	134	83	48	29	27	29	28	34	50	71

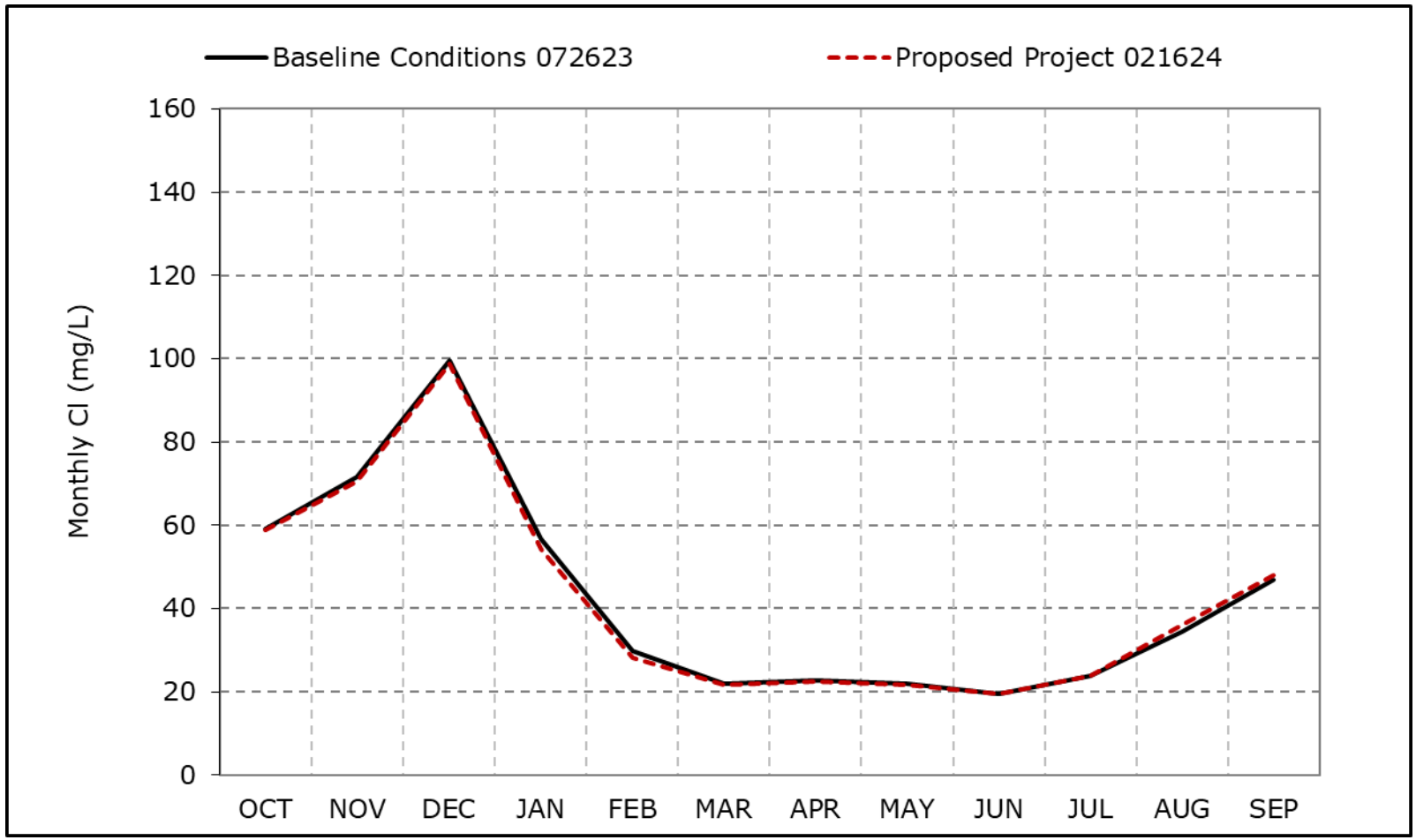
Table 4B-7-5-1c. San Joaquin River at San Andreas Chloride, Proposed Project 021624 minus Baseline Conditions 072623, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3	-5	-2	-6	-8	-1	0	0	0	1	5	0
20% Exceedance	0	0	-1	-11	-1	0	0	0	0	0	4	1
30% Exceedance	-3	-1	-1	-1	0	1	0	-1	0	0	1	0
40% Exceedance	-1	-2	-4	-7	0	0	0	0	0	0	1	0
50% Exceedance	-2	1	-1	-1	0	0	-1	0	0	-1	1	1
60% Exceedance	1	-1	3	0	0	0	0	-1	0	0	2	2
70% Exceedance	0	0	2	0	0	0	-1	0	0	0	1	1
80% Exceedance	0	1	-1	0	0	0	0	0	0	0	2	1
90% Exceedance	0	0	0	0	0	0	0	0	0	0	1	1
Full Simulation Period Average[a]	0	-1	-1	-2	-2	0	0	0	0	0	2	1
Wet Water Years (30%)	1	1	1	0	0	0	0	0	0	0	1	1
Above Normal Years (11%)	1	-4	3	0	0	0	0	-1	0	0	2	1
Below Normal Years (21%)	-3	0	0	-2	0	0	0	-1	0	0	-1	-2
Dry Water Years (22%)	-3	-1	-2	-2	-3	-1	0	0	0	1	5	4
Critical Water Years (16%)	4	-5	-4	-9	-7	-2	-1	0	0	0	2	2

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

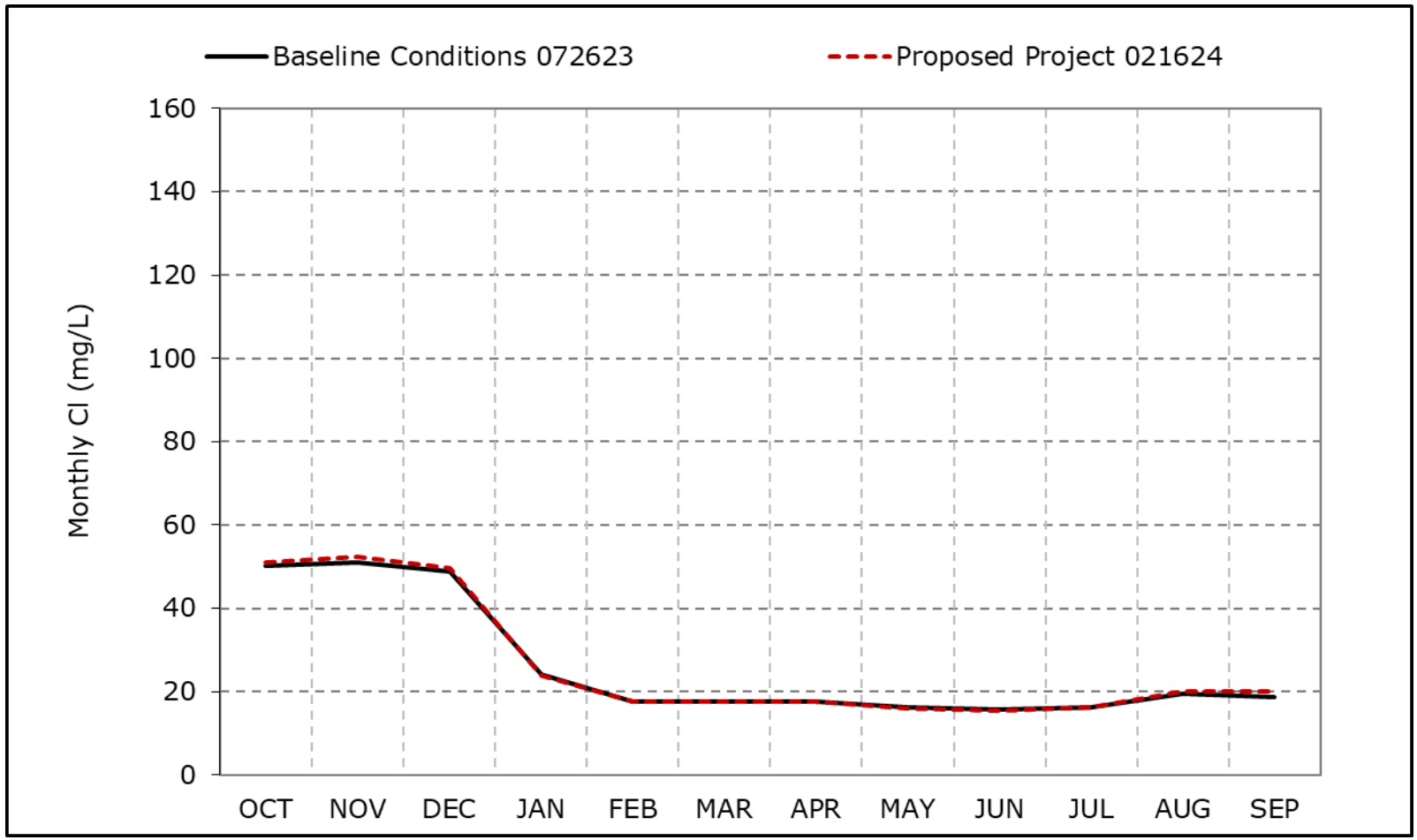
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-7-5a. San Joaquin River at San Andreas Chloride, Long-Term Average Cl



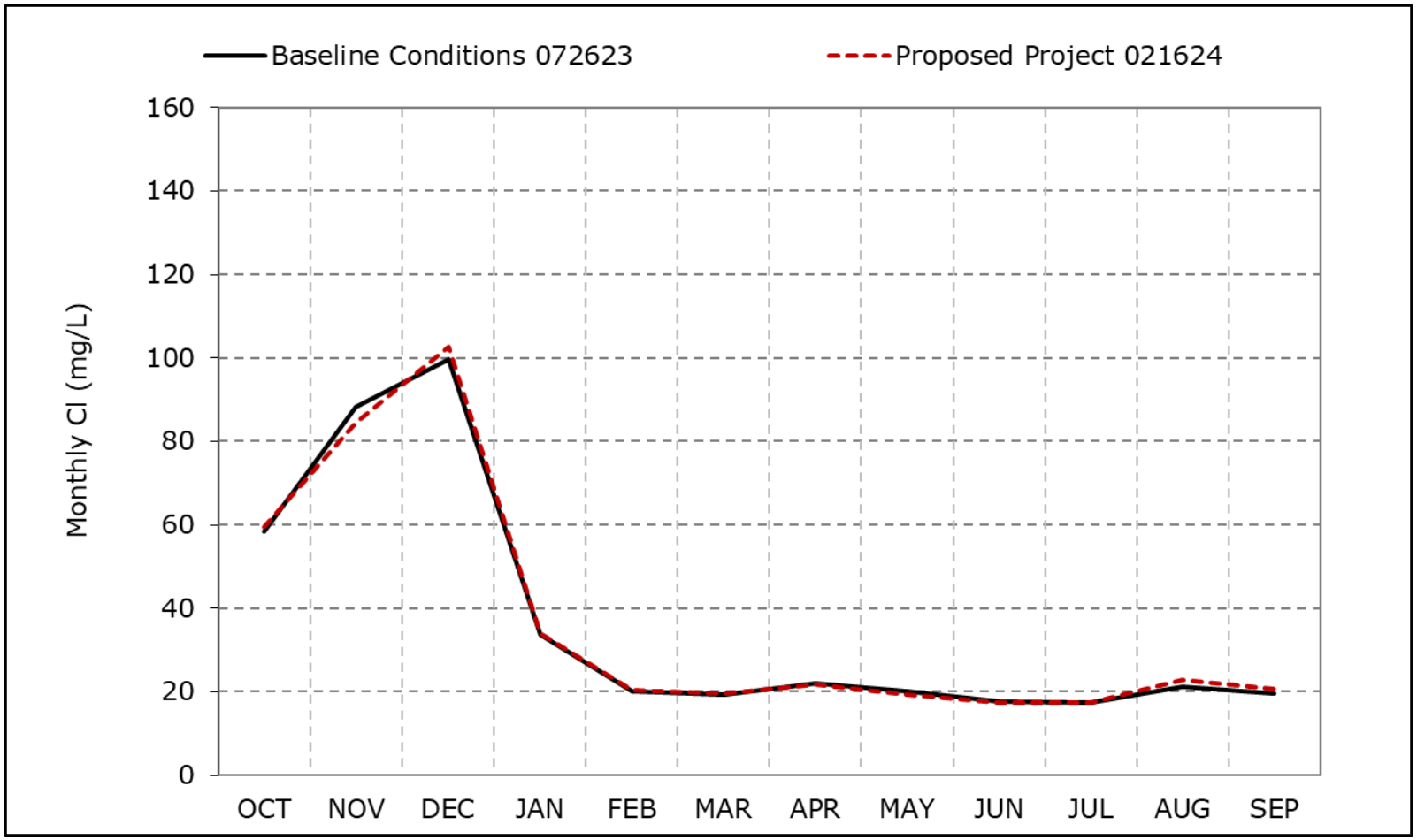
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-5b. San Joaquin River at San Andreas Chloride, Wet Year Average Cl



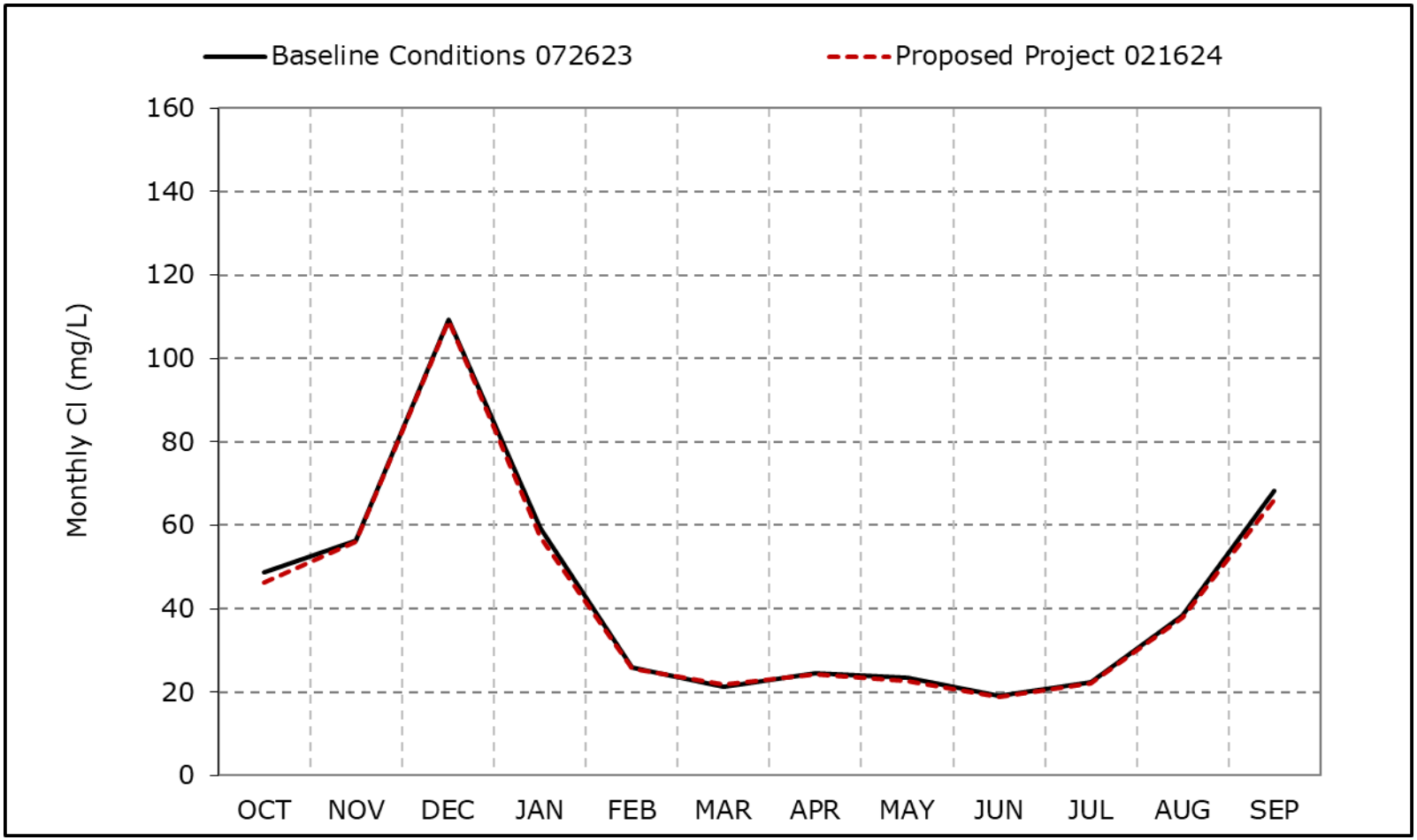
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-5c. San Joaquin River at San Andreas Chloride, Above Normal Year Average Cl



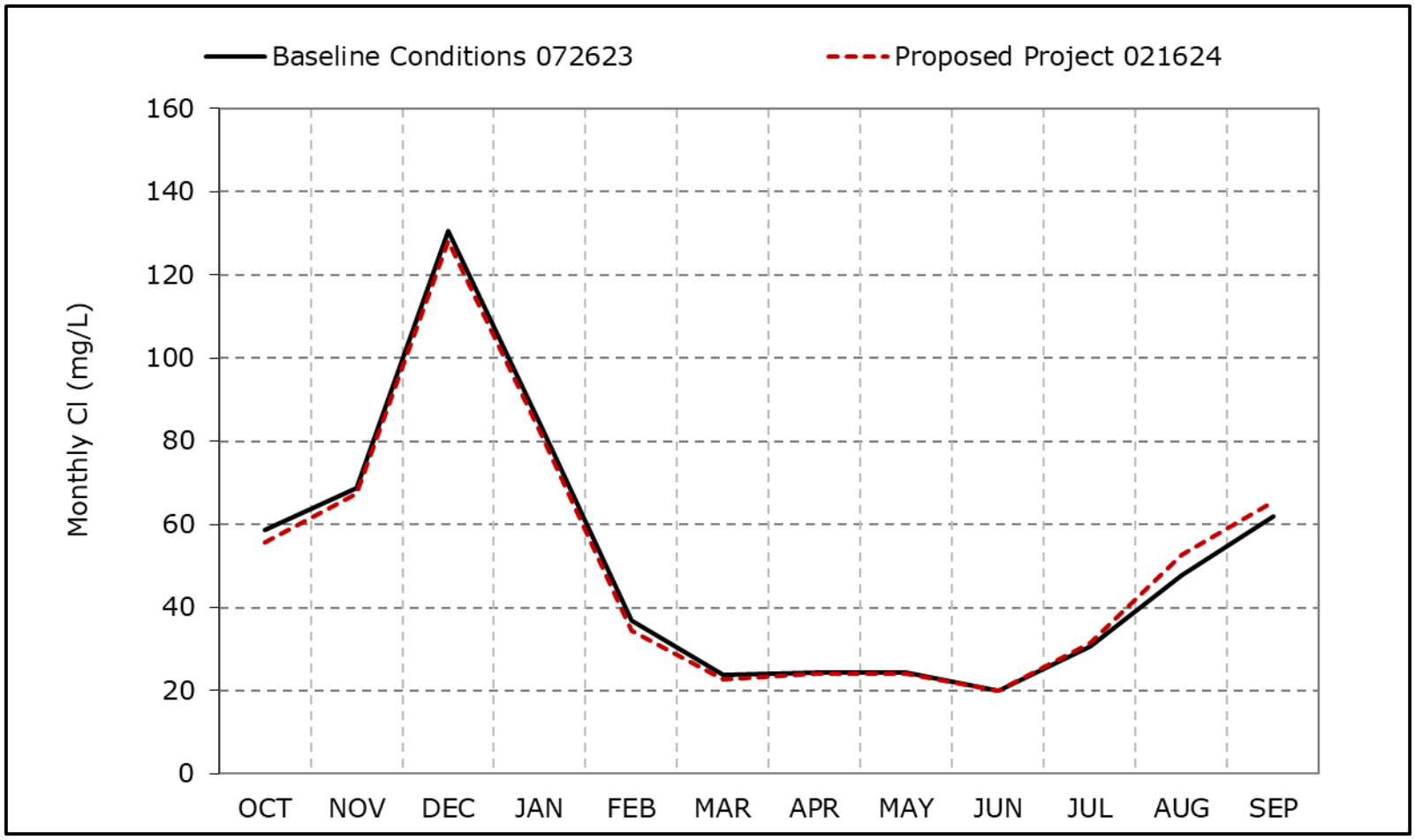
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-5d. San Joaquin River at San Andreas Chloride, Below Normal Year Average Cl



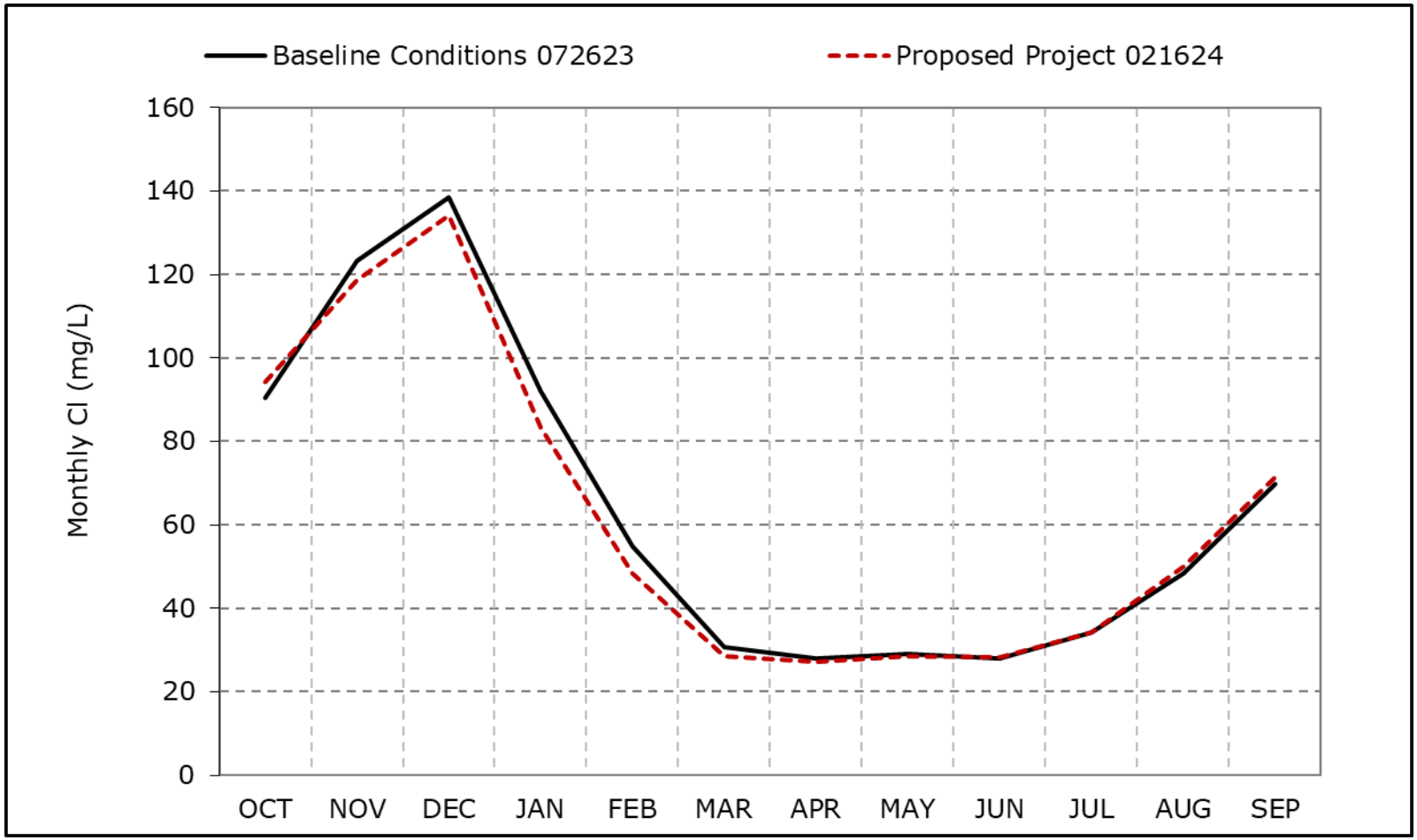
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-5e. San Joaquin River at San Andreas Chloride, Dry Year Average Cl



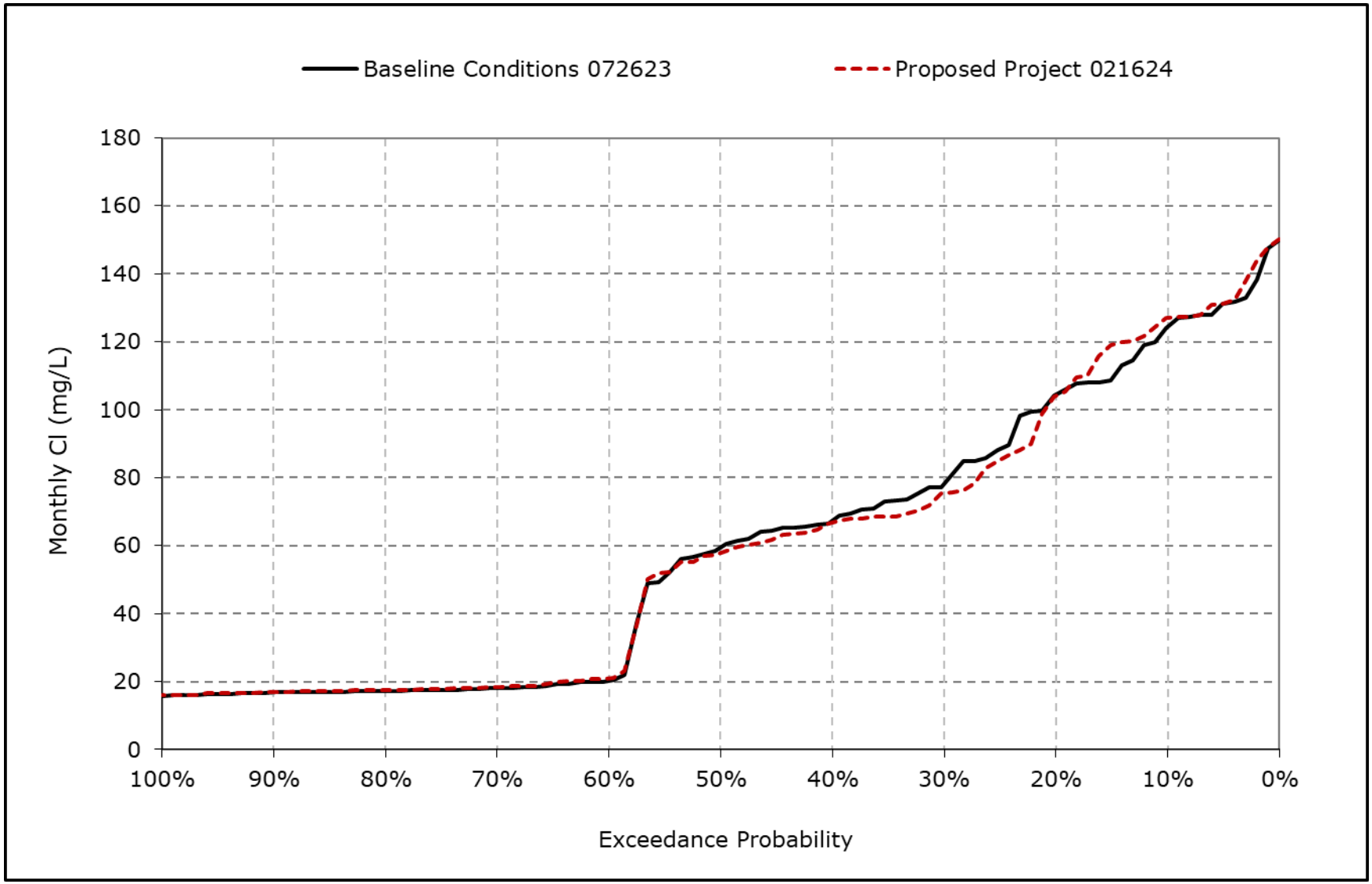
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-5f. San Joaquin River at San Andreas Chloride, Critical Year Average Cl



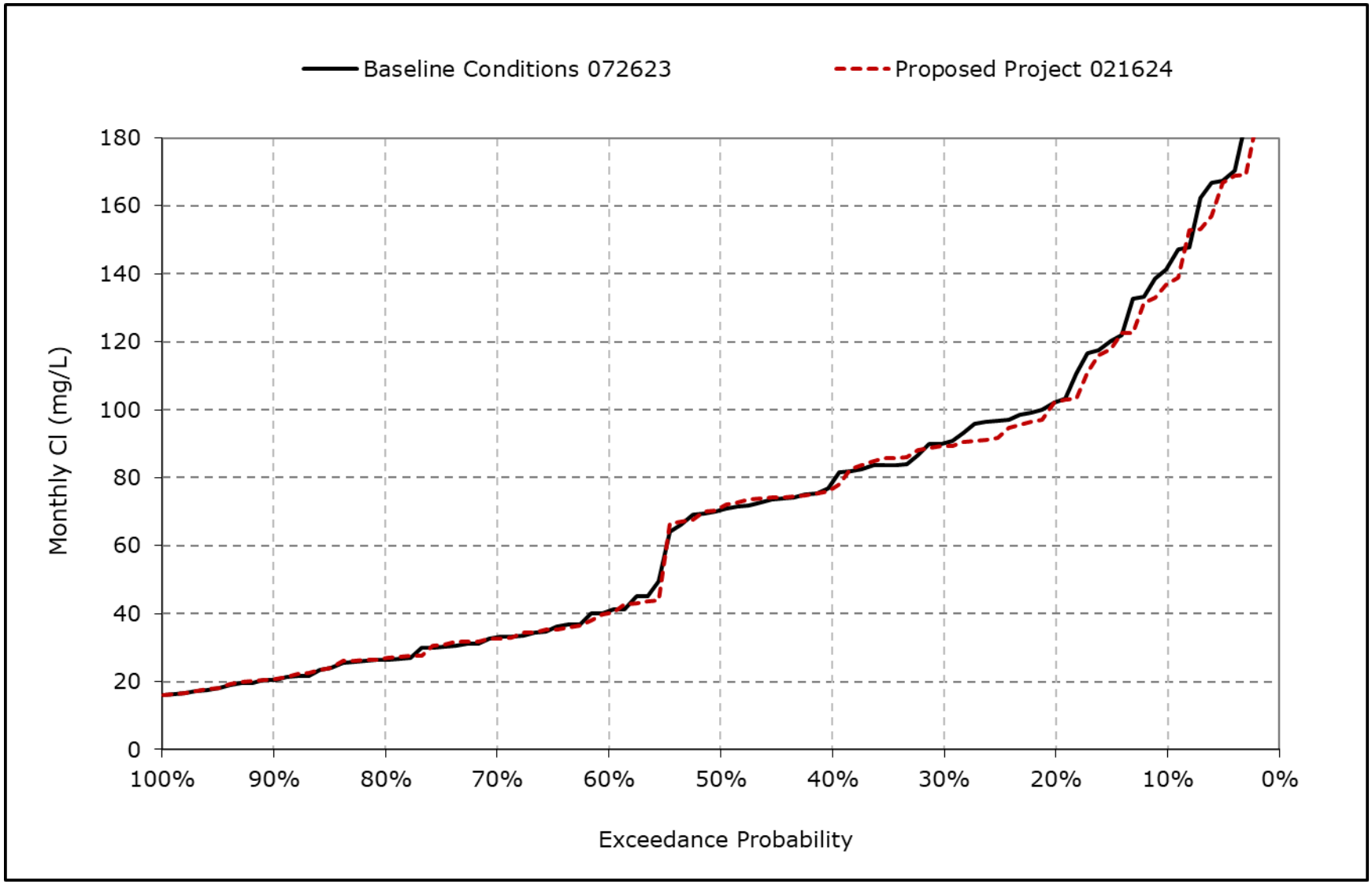
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-5g. San Joaquin River at San Andreas Chloride, October Cl



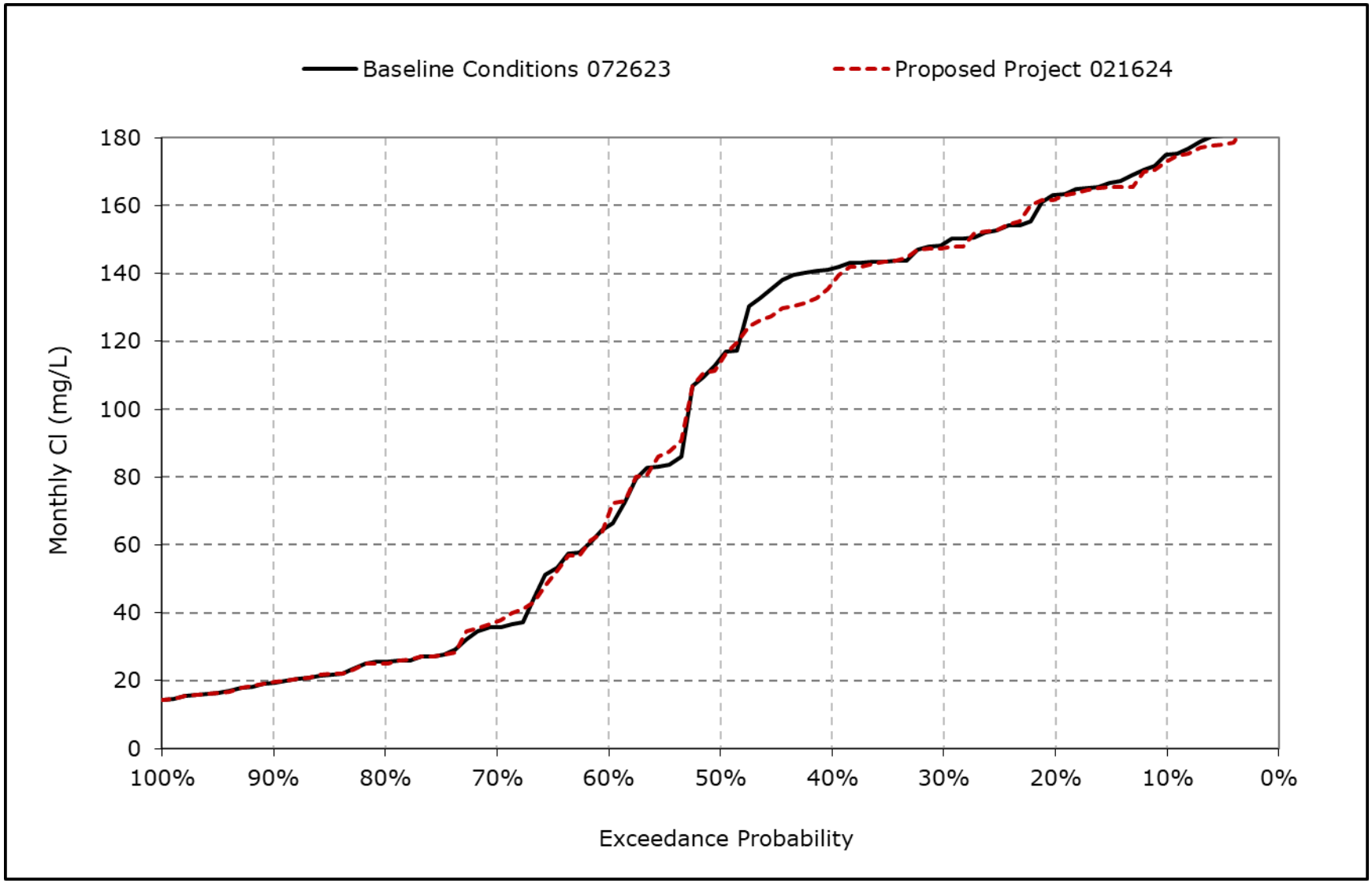
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-5h. San Joaquin River at San Andreas Chloride, November Cl



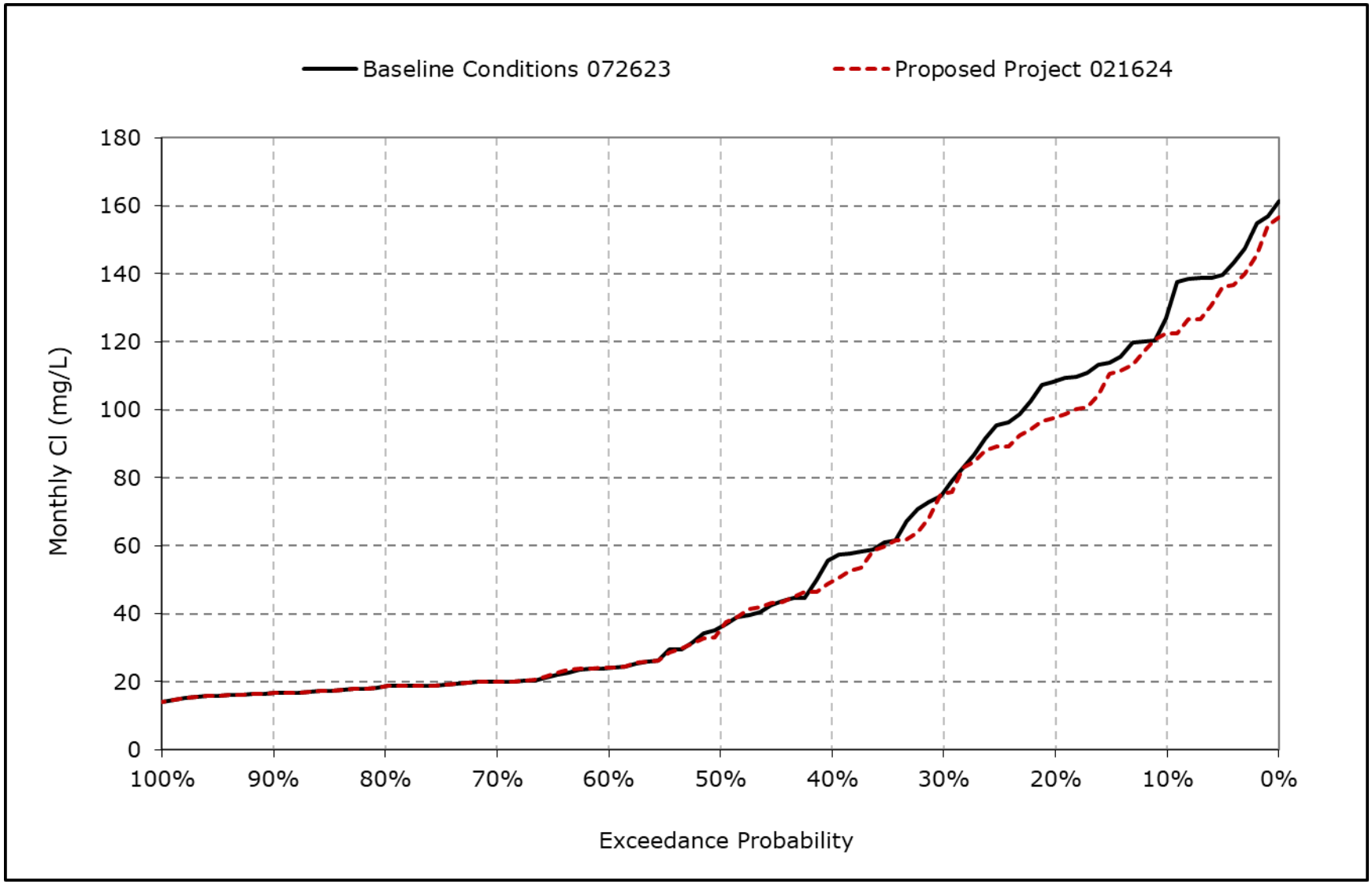
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-5i. San Joaquin River at San Andreas Chloride, December Cl



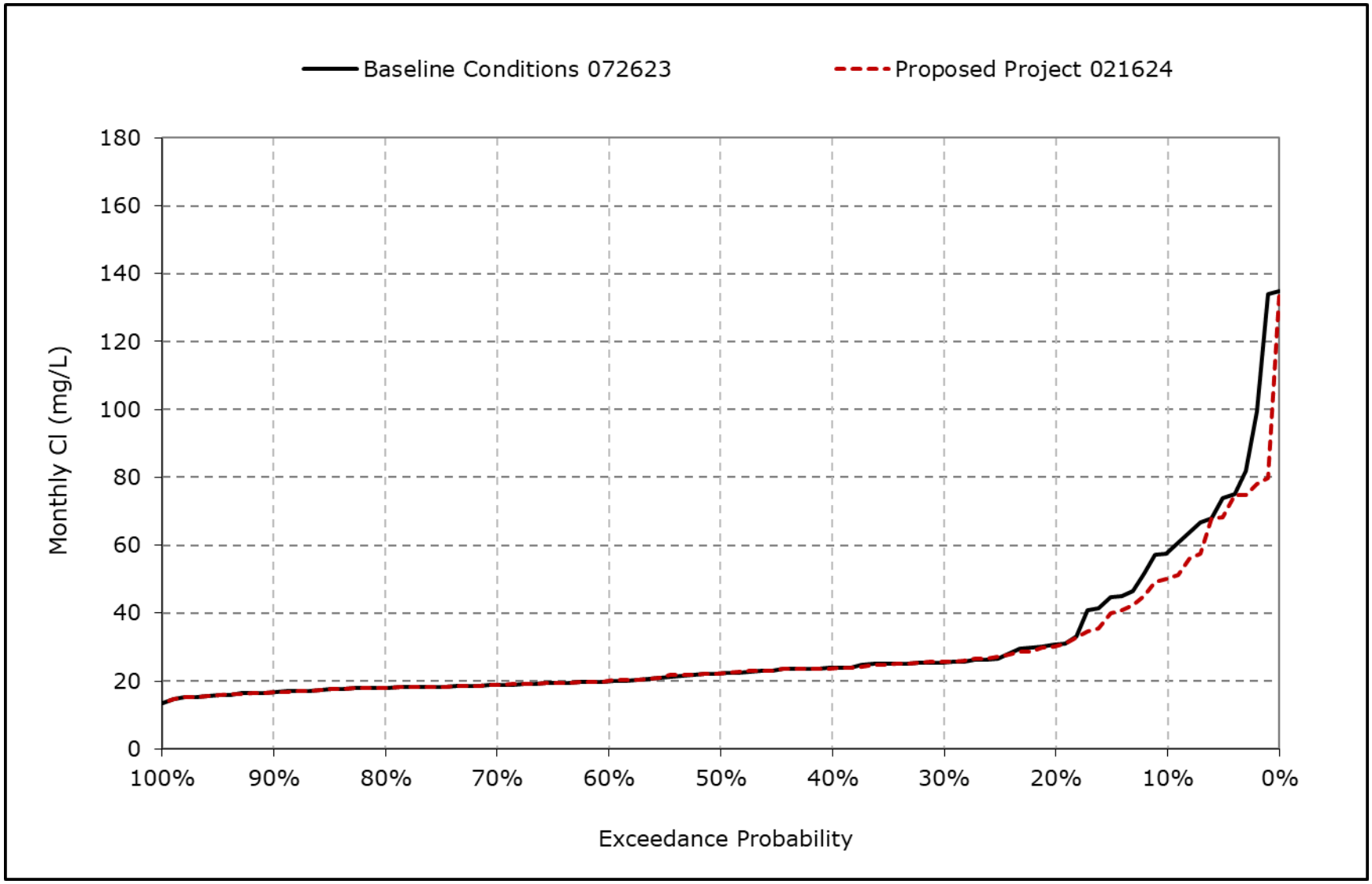
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-5j. San Joaquin River at San Andreas Chloride, January Cl



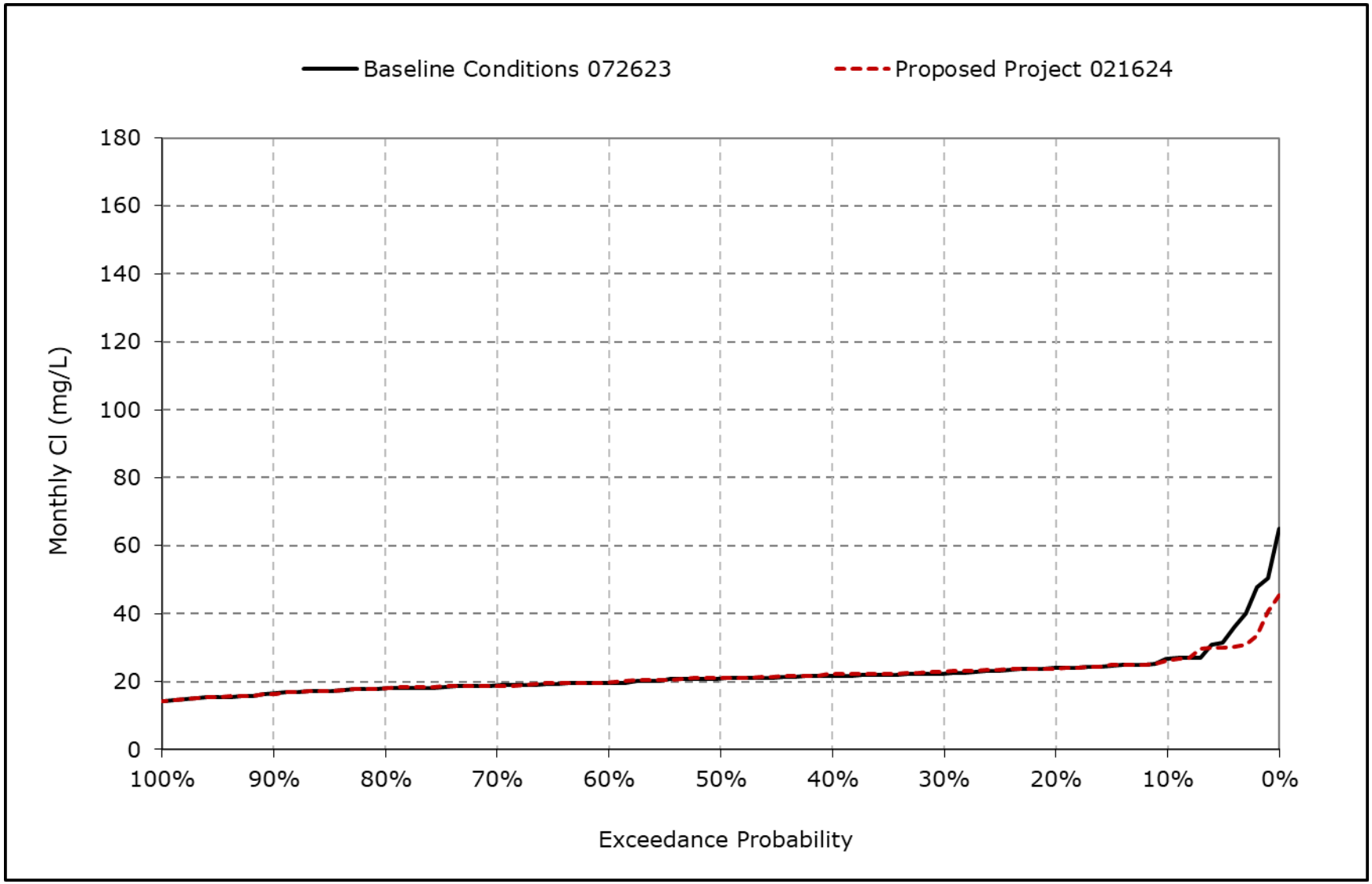
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-5k. San Joaquin River at San Andreas Chloride, February Cl



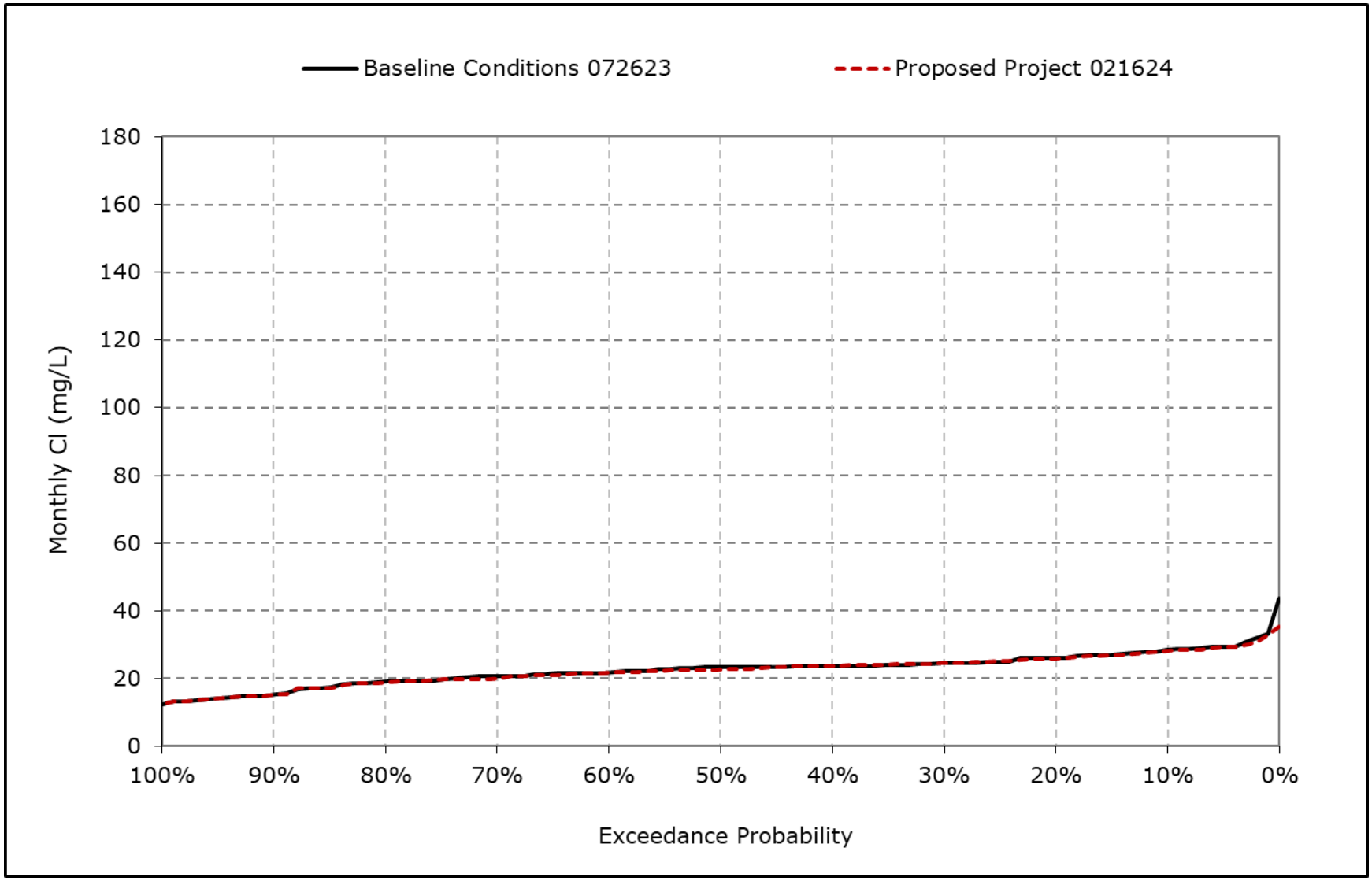
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-5l. San Joaquin River at San Andreas Chloride, March Cl



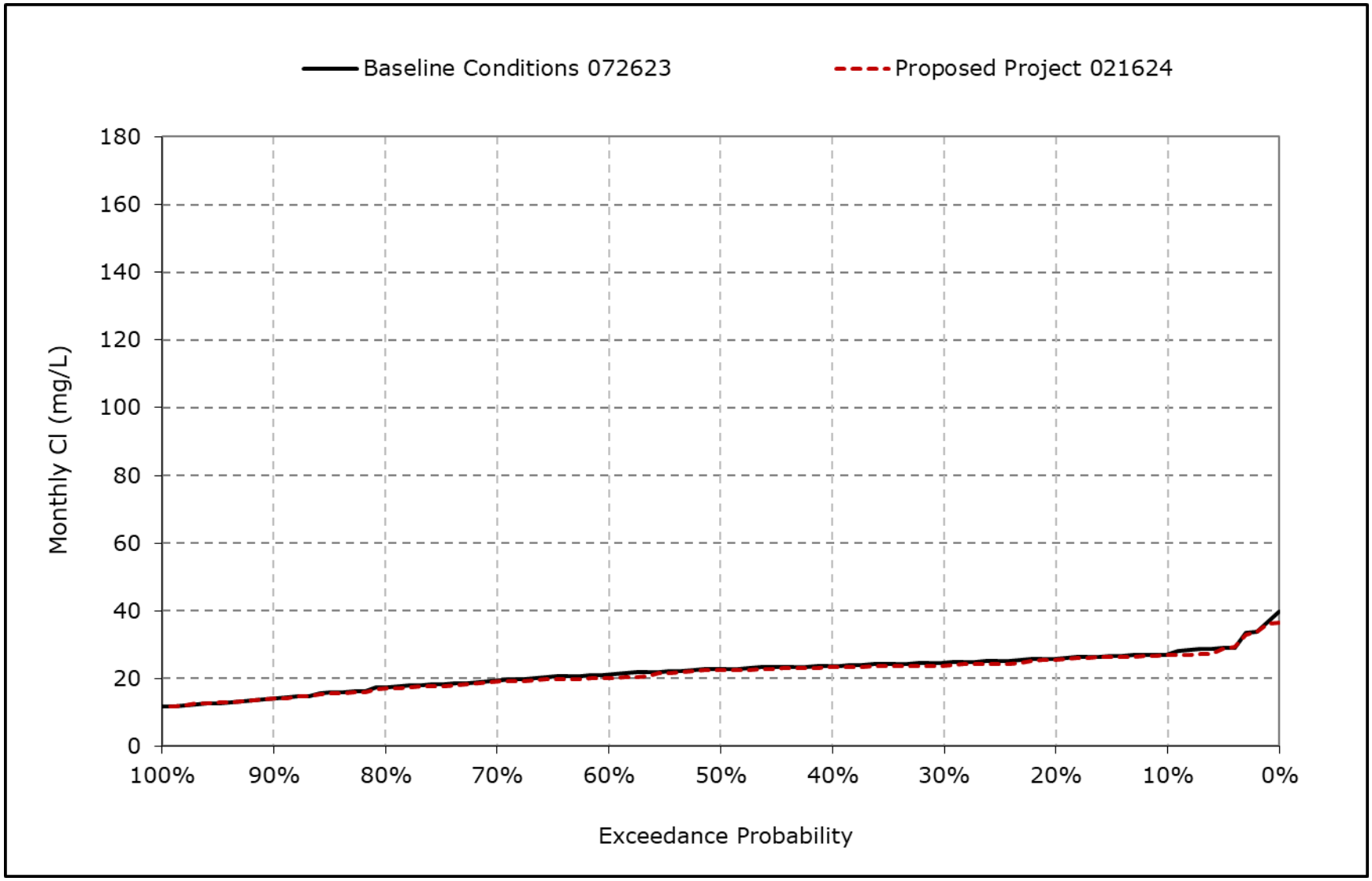
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-5m. San Joaquin River at San Andreas Chloride, April Cl



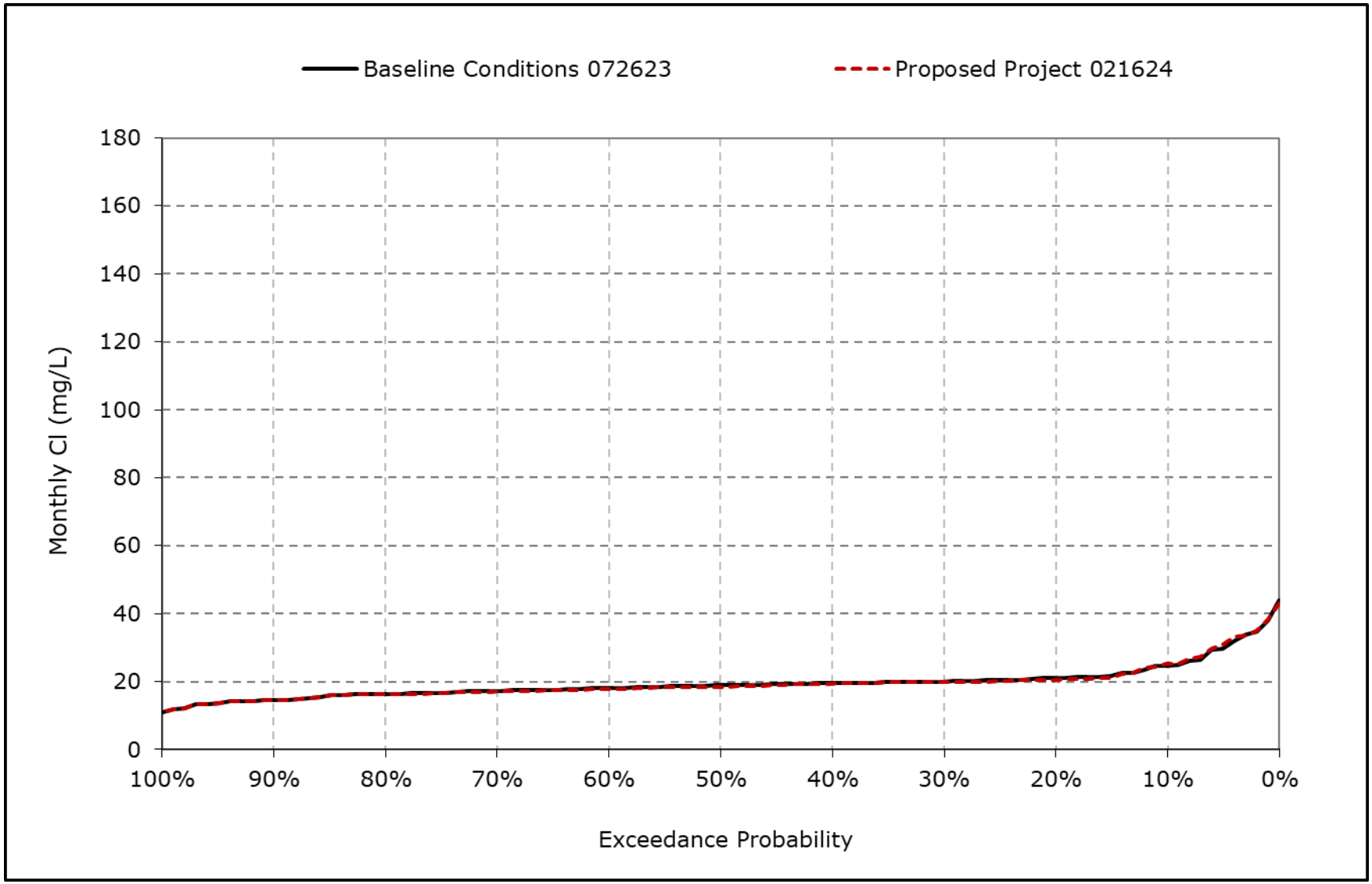
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-5n. San Joaquin River at San Andreas Chloride, May Cl



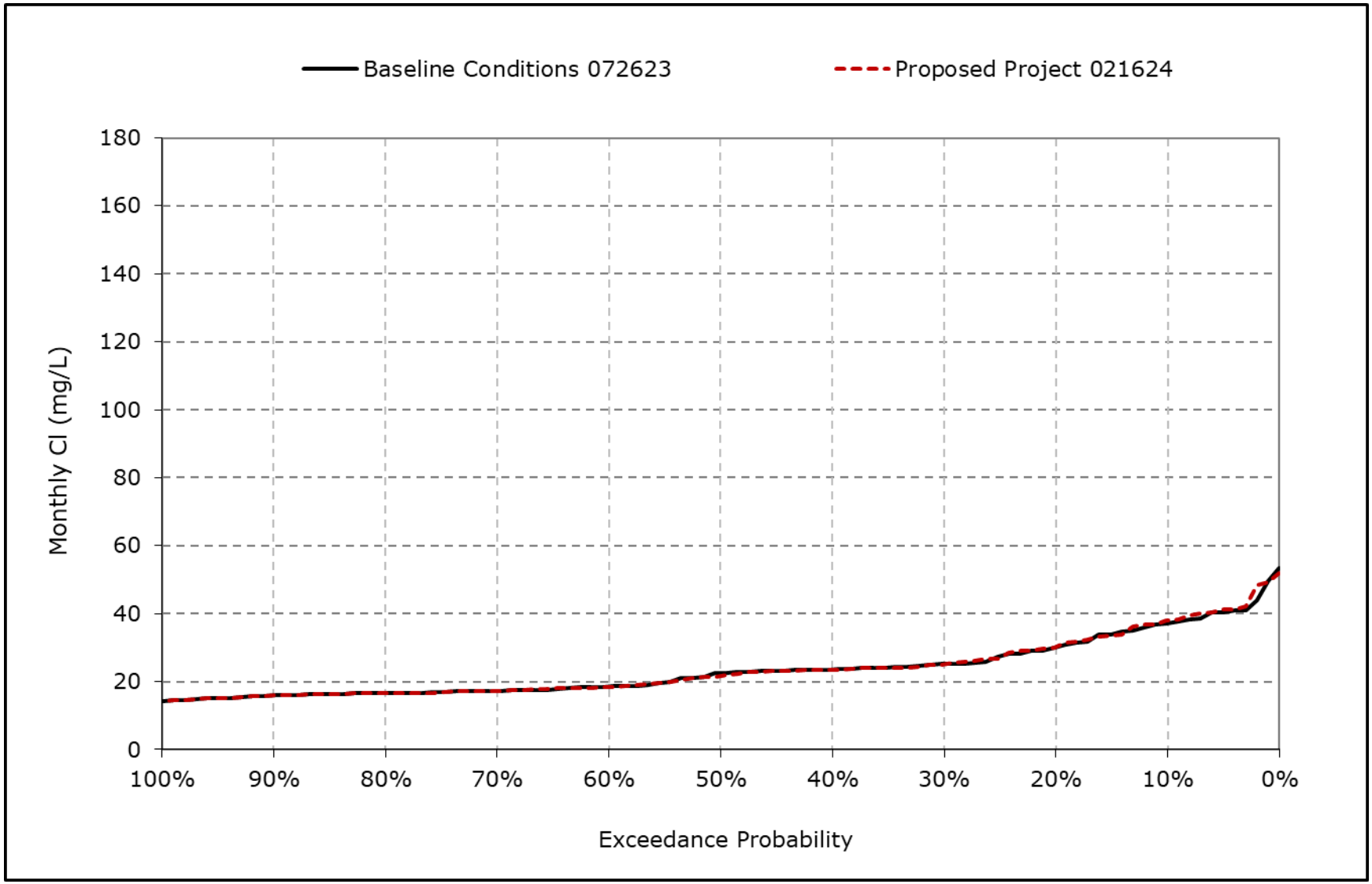
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-5o. San Joaquin River at San Andreas Chloride, June Cl



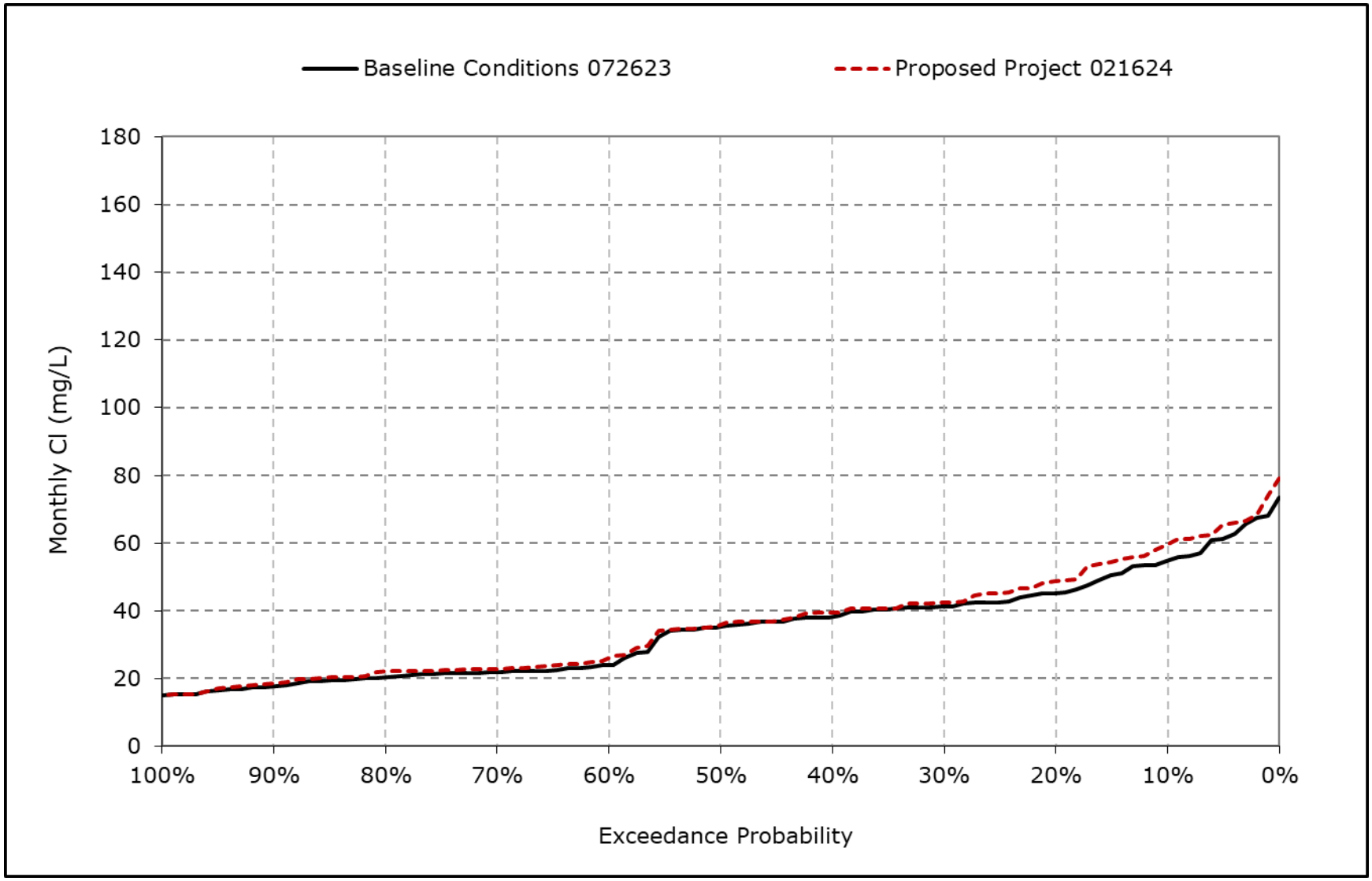
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-5p. San Joaquin River at San Andreas Chloride, July Cl



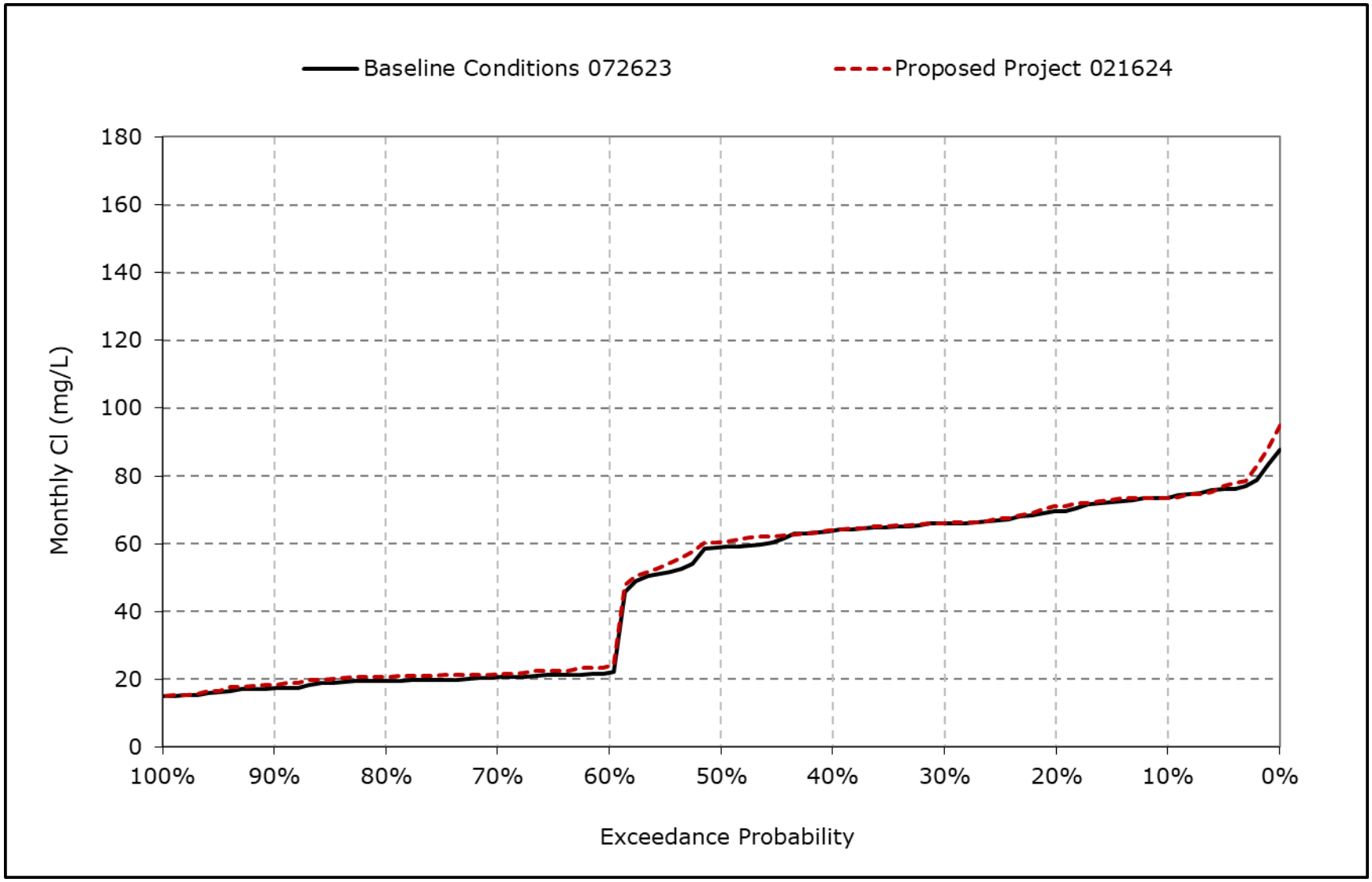
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-5q. San Joaquin River at San Andreas Chloride, August Cl



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

Figure 4B-7-5r. San Joaquin River at San Andreas Chloride, September Cl



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

Table 4B-7-6-1a. San Joaquin River at Prisoners Point Chloride, Baseline Conditions 072623, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	89	108	159	122	73	46	55	43	28	37	54	72
20% Exceedance	77	87	144	107	54	37	49	41	25	30	44	65
30% Exceedance	66	80	136	86	46	34	45	38	24	26	41	57
40% Exceedance	61	67	127	70	38	32	42	33	23	25	37	53
50% Exceedance	52	59	107	57	33	30	38	30	22	23	31	49
60% Exceedance	22	35	71	40	30	29	35	29	22	20	25	24
70% Exceedance	20	29	50	30	27	28	31	28	22	19	22	22
80% Exceedance	19	26	34	27	26	26	29	24	21	18	21	21
90% Exceedance	19	23	26	23	24	24	20	16	15	17	19	19
Full Simulation Period Average[a]	49	60	96	65	42	33	38	31	22	25	33	44
Wet Water Years (30%)	45	48	56	37	32	27	26	20	17	18	20	20
Above Normal Years (11%)	48	71	100	51	37	37	44	30	22	19	22	21
Below Normal Years (21%)	42	49	100	67	41	34	47	37	23	24	40	70
Dry Water Years (22%)	49	57	122	87	45	31	41	36	23	32	46	54
Critical Water Years (16%)	68	96	127	92	61	40	42	37	30	33	40	55

Table 4B-7-6-1b. San Joaquin River at Prisoners Point Chloride, Proposed Project 021624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	90	108	160	119	71	44	55	42	28	37	59	71
20% Exceedance	77	89	148	100	55	39	50	37	24	30	44	66
30% Exceedance	63	76	132	81	46	37	44	34	23	26	42	59
40% Exceedance	57	66	125	67	39	33	41	31	23	25	37	55
50% Exceedance	52	60	105	54	33	30	39	29	22	23	32	50
60% Exceedance	22	35	74	41	30	29	34	27	22	20	26	26
70% Exceedance	20	28	51	30	27	28	31	26	21	19	23	23
80% Exceedance	20	26	35	27	26	27	28	23	20	18	22	22
90% Exceedance	19	24	26	24	24	24	20	16	15	17	20	20
Full Simulation Period Average[a]	49	59	95	63	41	33	38	29	22	25	35	45
Wet Water Years (30%)	46	49	57	37	32	27	25	19	17	18	21	21
Above Normal Years (11%)	49	68	102	52	37	38	43	28	22	19	23	22
Below Normal Years (21%)	40	48	100	65	42	37	47	34	22	23	39	68
Dry Water Years (22%)	46	56	119	85	45	31	41	35	23	32	51	57
Critical Water Years (16%)	71	93	124	84	56	39	41	36	30	33	41	56

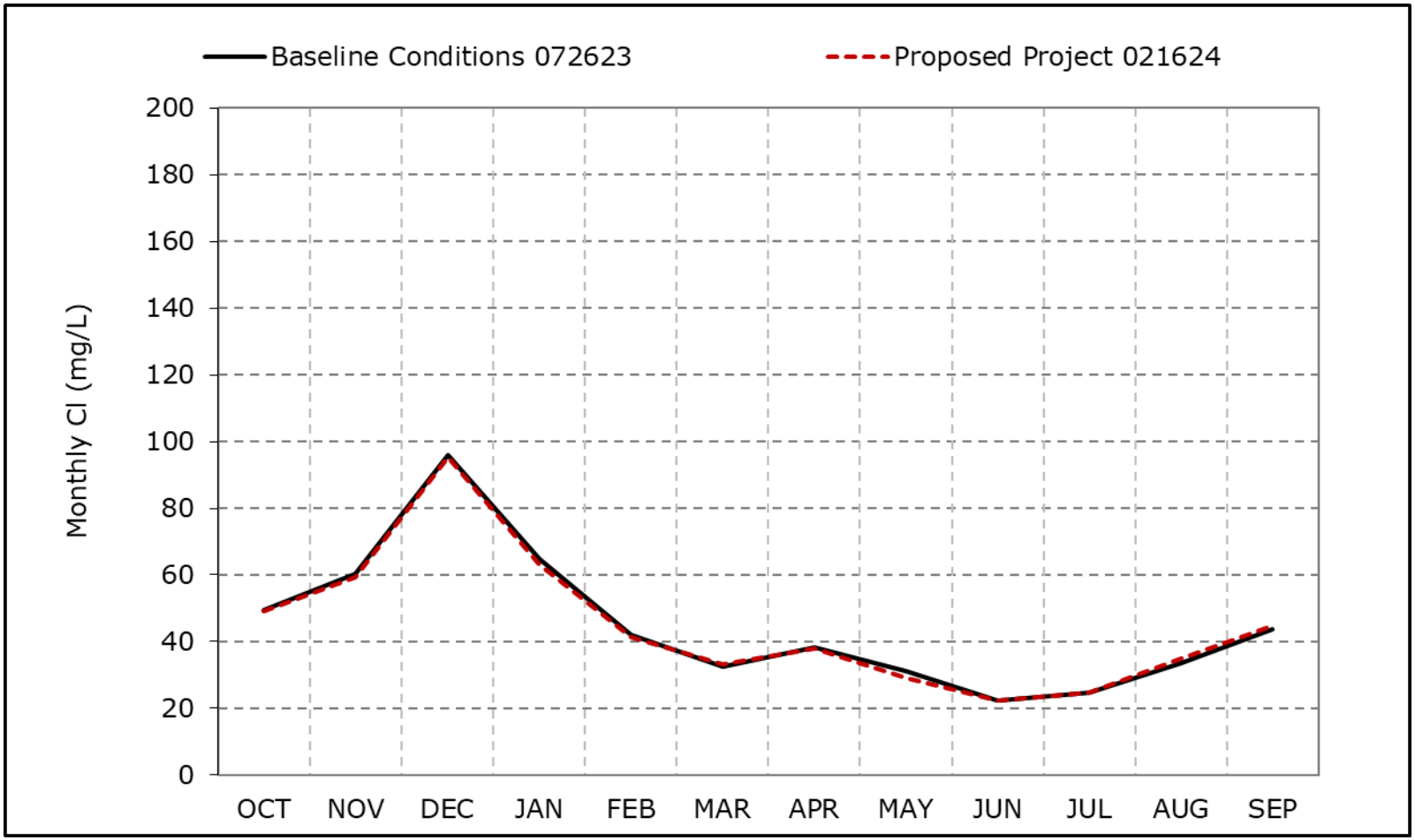
Table 4B-7-6-1c. San Joaquin River at Prisoners Point Chloride, Proposed Project 021624 minus Baseline Conditions 072623, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1	0	1	-3	-2	-1	0	-2	0	0	5	-1
20% Exceedance	0	2	3	-7	1	2	1	-3	0	0	1	1
30% Exceedance	-2	-4	-4	-5	0	3	-1	-4	0	0	0	2
40% Exceedance	-4	-1	-1	-3	1	1	-1	-2	0	0	1	2
50% Exceedance	-1	1	-1	-2	0	1	1	-1	0	-1	1	1
60% Exceedance	0	0	2	0	0	0	-1	-2	0	0	1	3
70% Exceedance	0	-1	0	0	0	0	-1	-2	0	0	1	1
80% Exceedance	0	0	1	0	0	1	0	-2	0	0	2	1
90% Exceedance	0	0	0	1	0	0	0	0	0	0	0	1
Full Simulation Period Average[a]	0	-1	-1	-2	-1	1	0	-2	0	0	1	1
Wet Water Years (30%)	0	1	1	0	0	0	0	-1	0	0	1	1
Above Normal Years (11%)	0	-3	2	1	0	1	-1	-2	0	0	2	1
Below Normal Years (21%)	-2	0	0	-2	0	2	0	-3	0	0	-1	-2
Dry Water Years (22%)	-2	-1	-3	-2	0	1	0	-2	0	1	4	3
Critical Water Years (16%)	3	-3	-4	-7	-5	-1	-1	-2	0	0	1	1

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

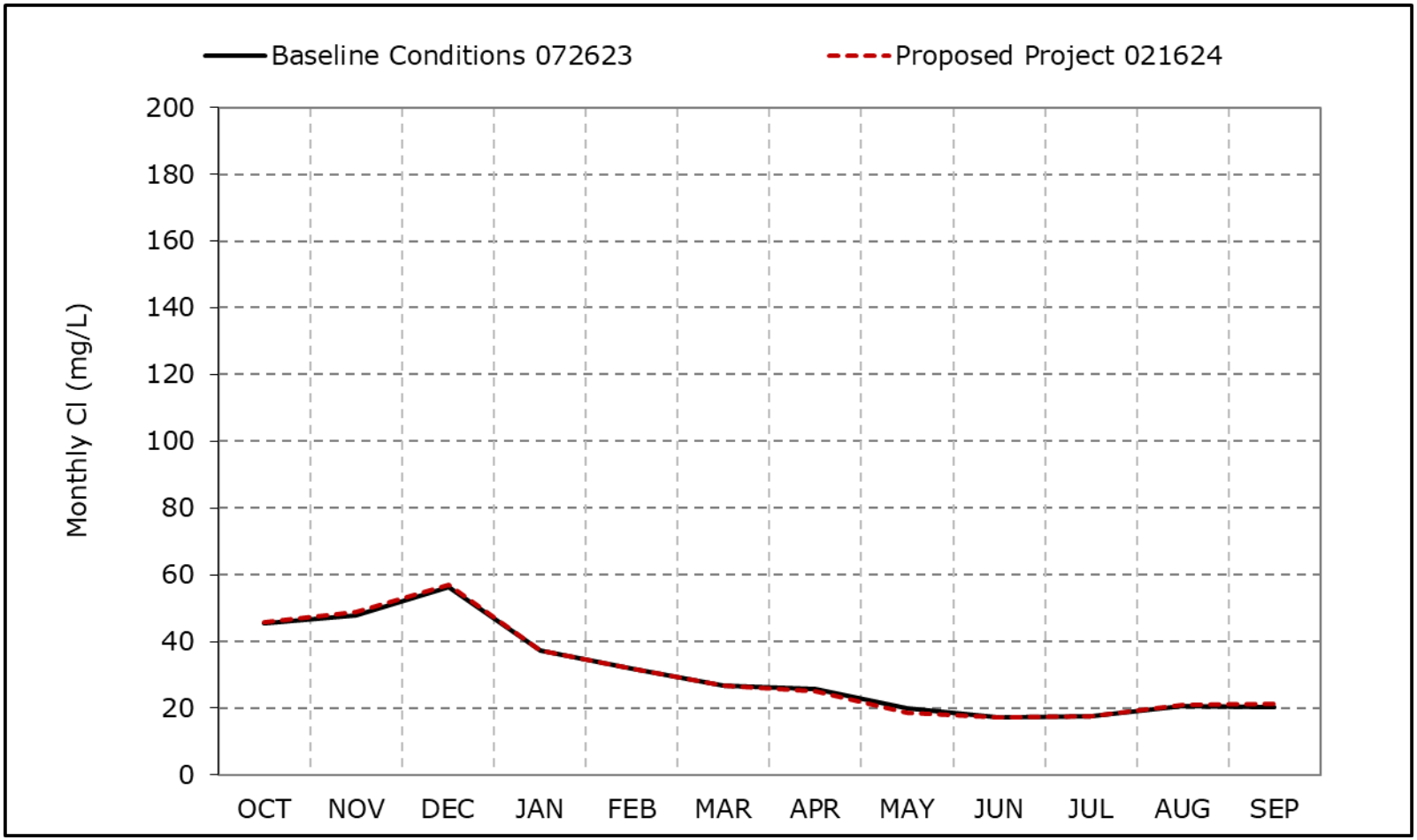
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-7-6a. San Joaquin River at Prisoners Point Chloride, Long-Term Average Cl



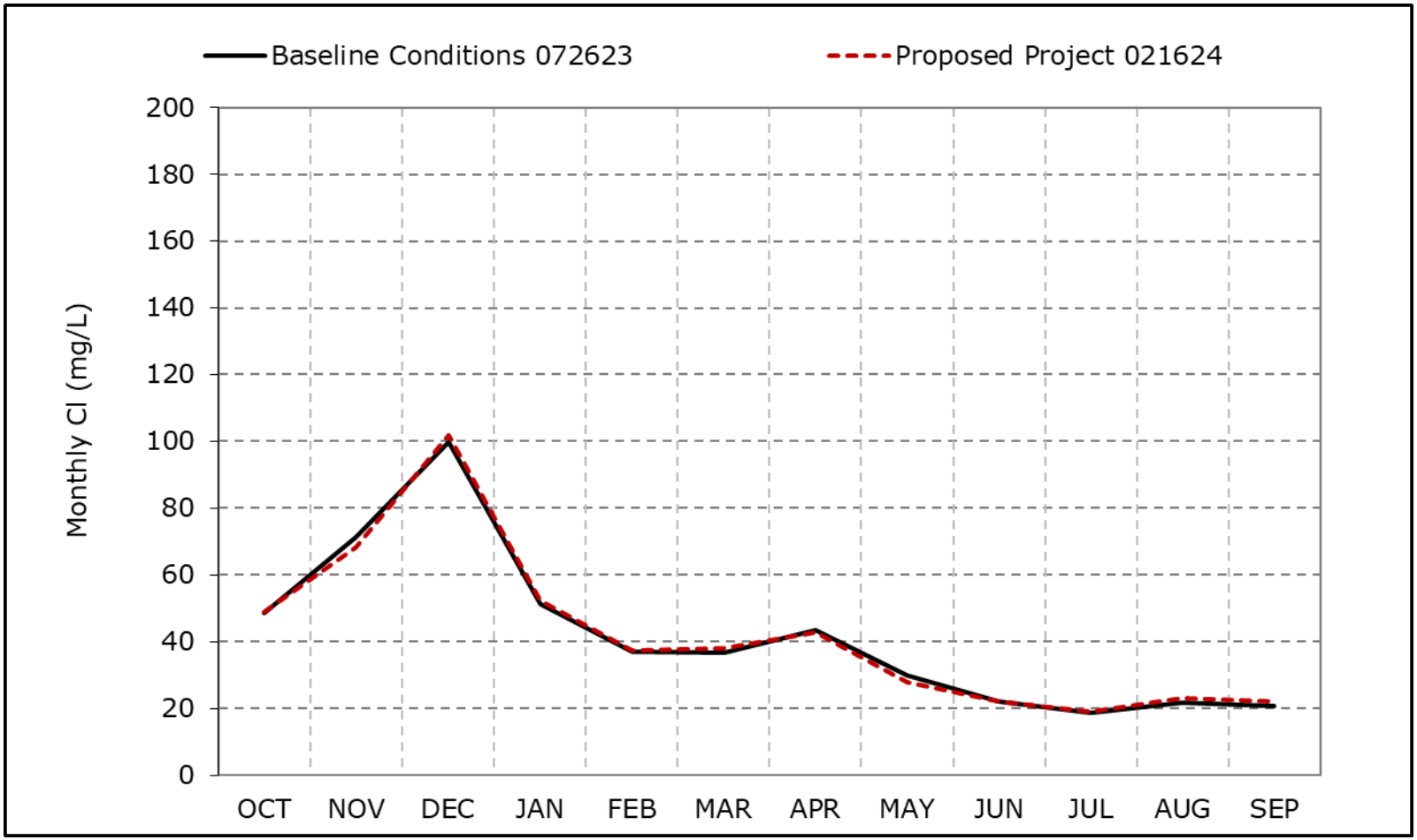
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-6b. San Joaquin River at Prisoners Point Chloride, Wet Year Average Cl



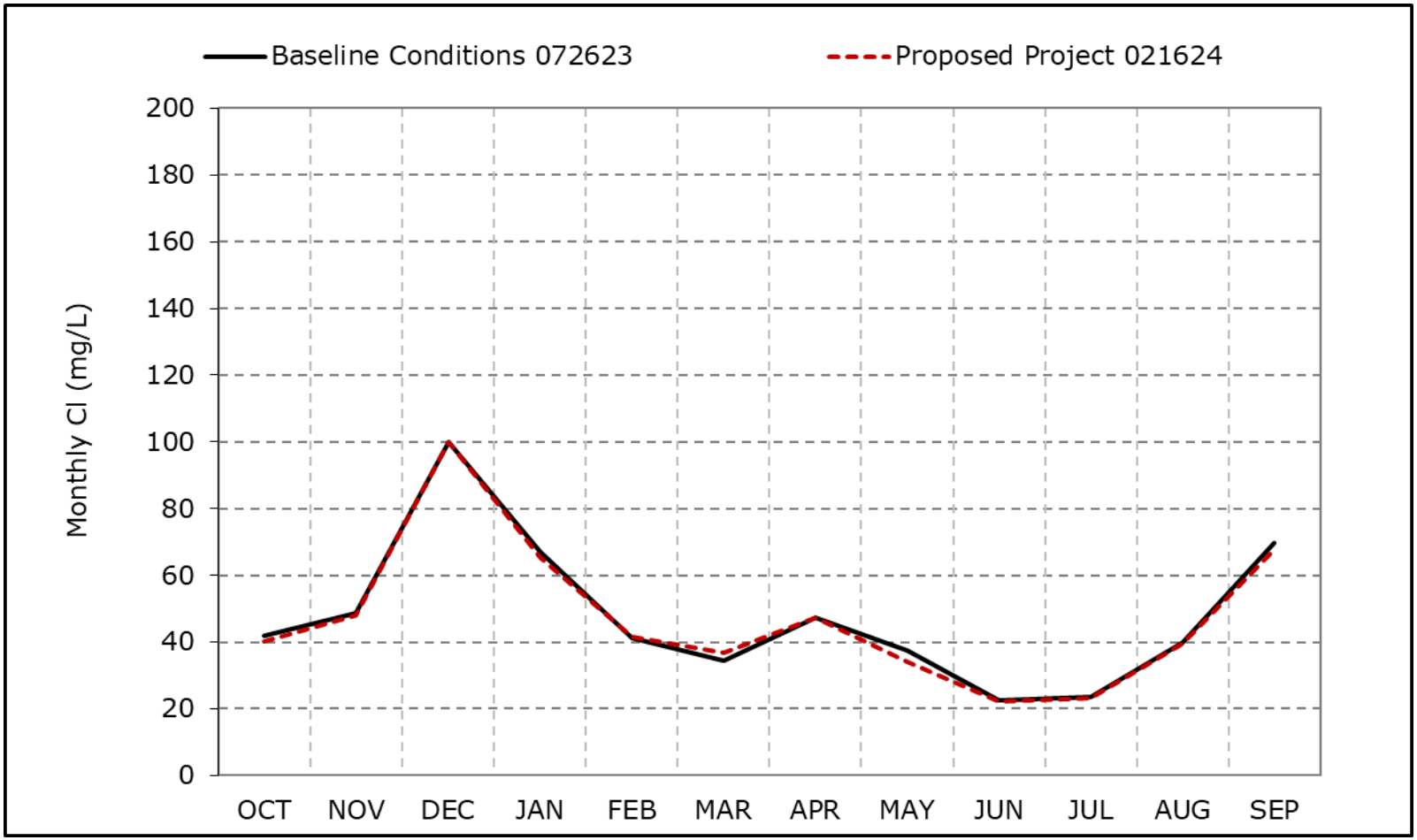
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-6c. San Joaquin River at Prisoners Point Chloride, Above Normal Year Average Cl



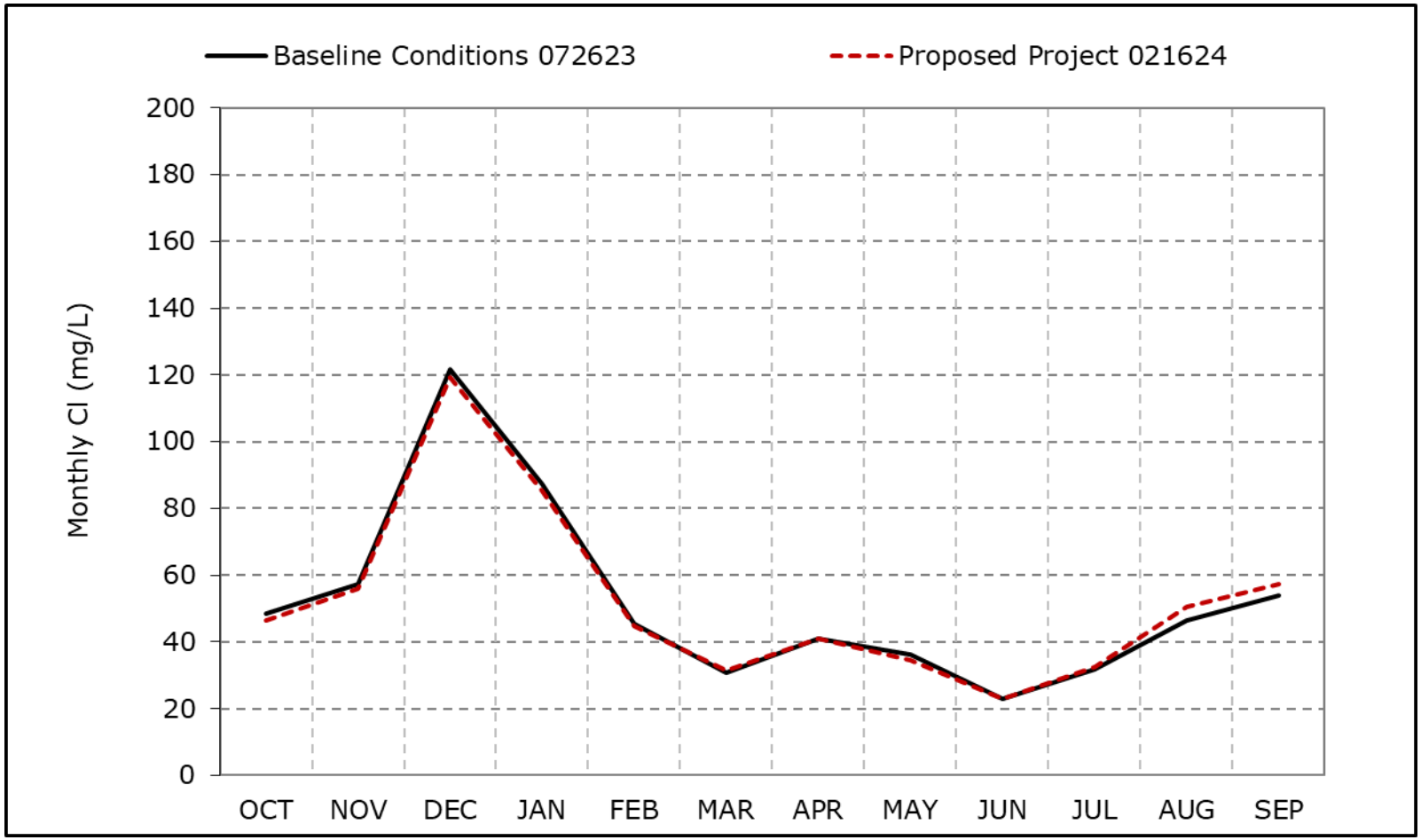
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-6d. San Joaquin River at Prisoners Point Chloride, Below Normal Year Average Cl



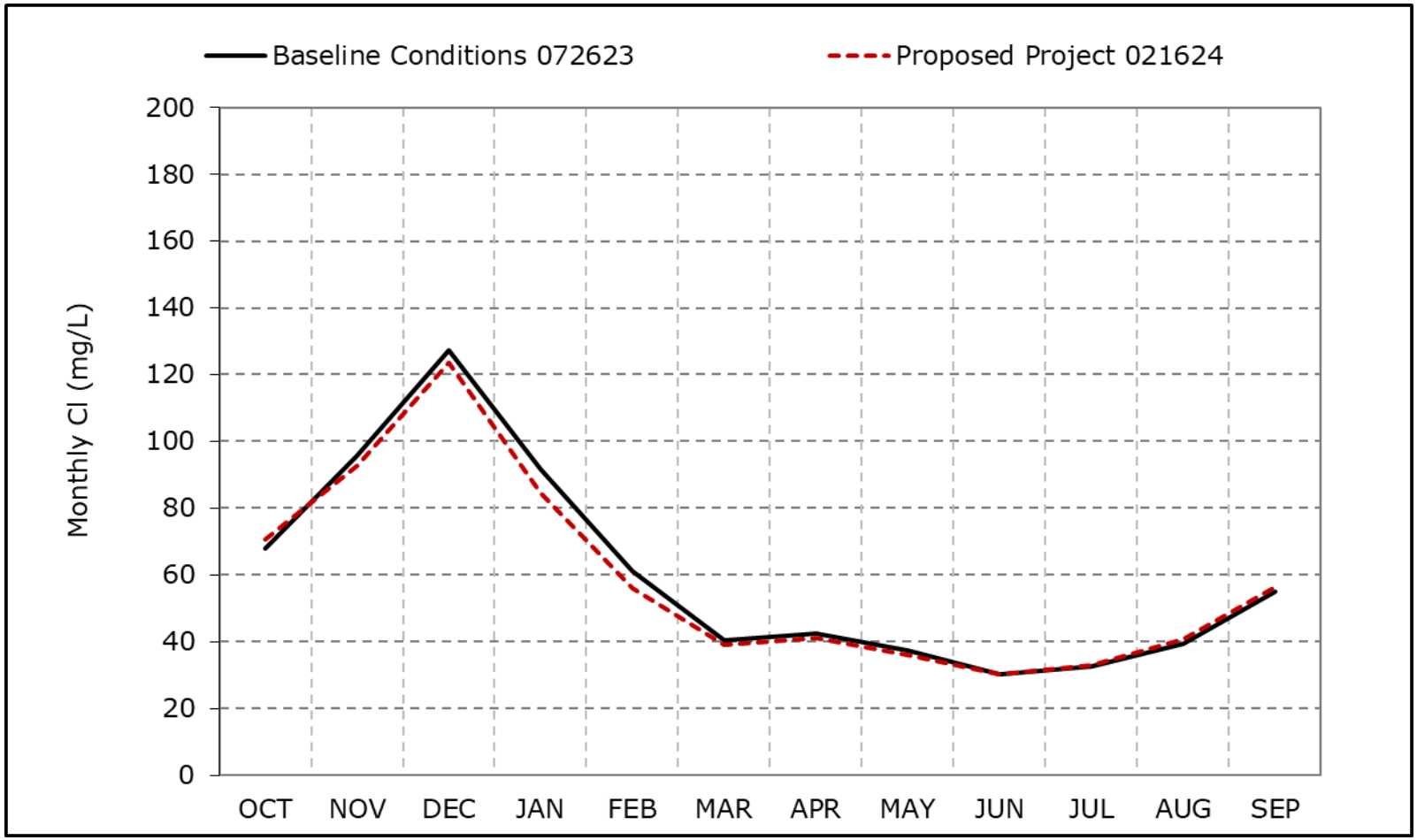
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-6e. San Joaquin River at Prisoners Point Chloride, Dry Year Average Cl



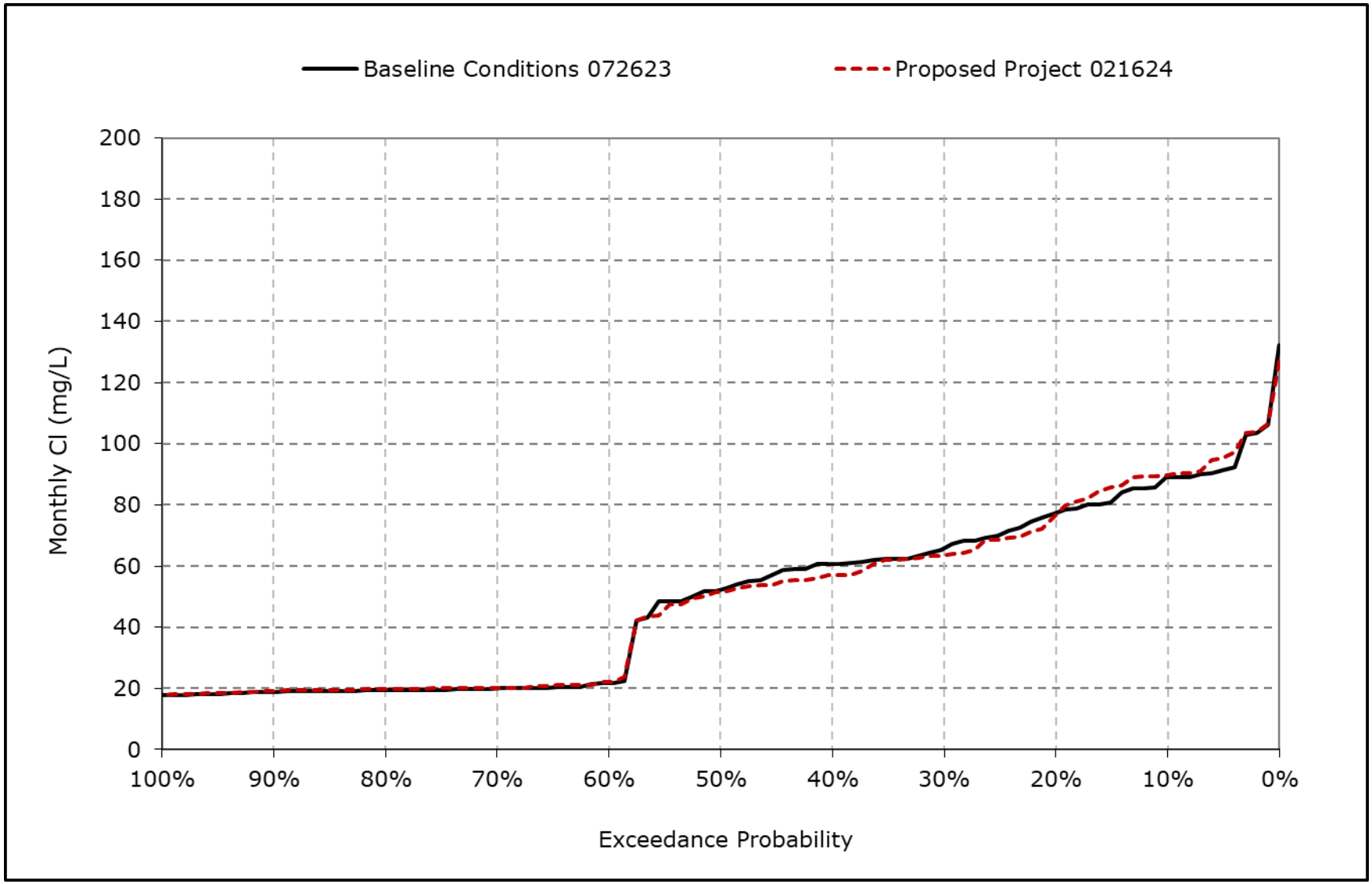
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-6f. San Joaquin River at Prisoners Point Chloride, Critical Year Average Cl



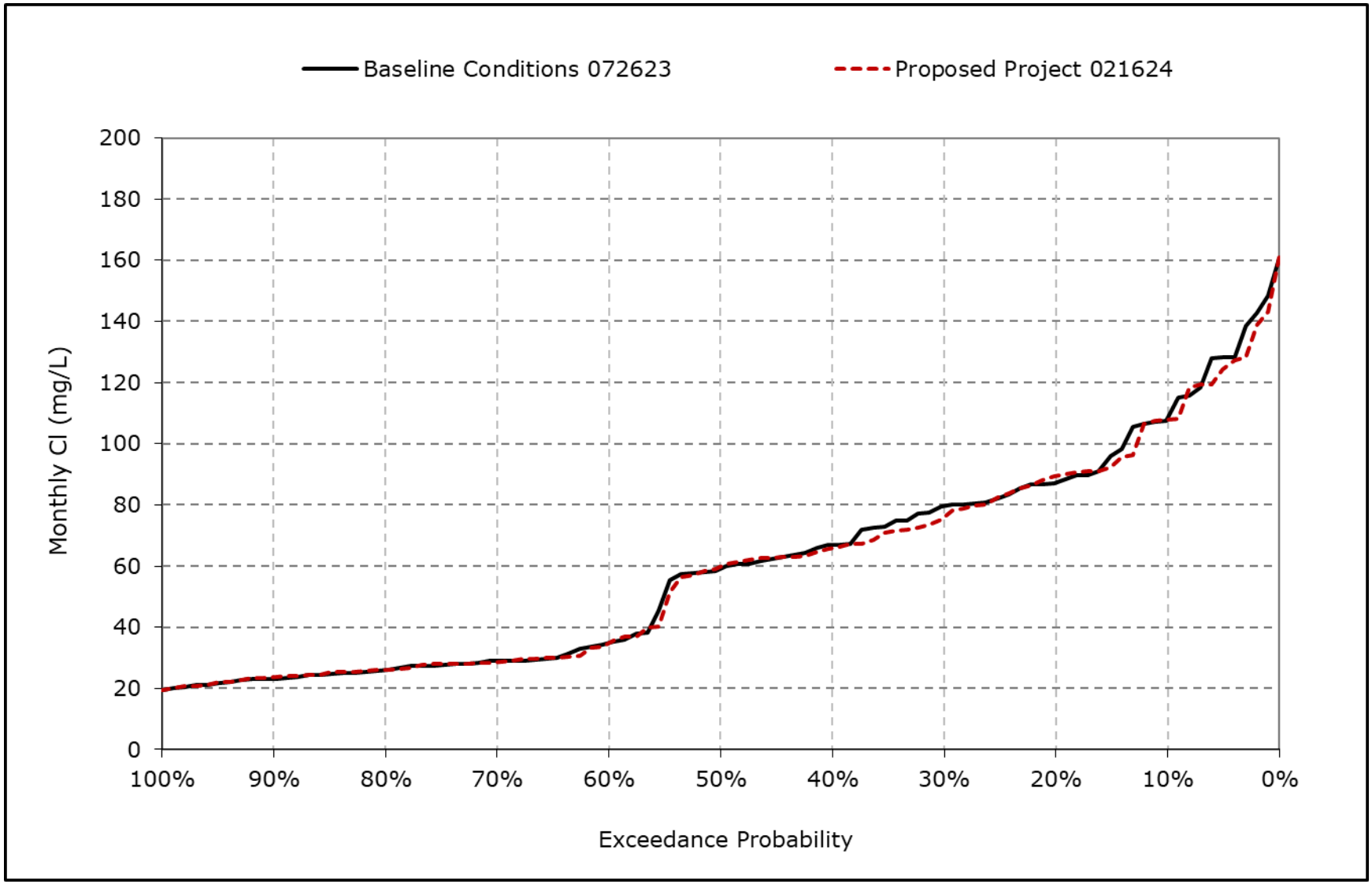
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-6g. San Joaquin River at Prisoners Point Chloride, October Cl



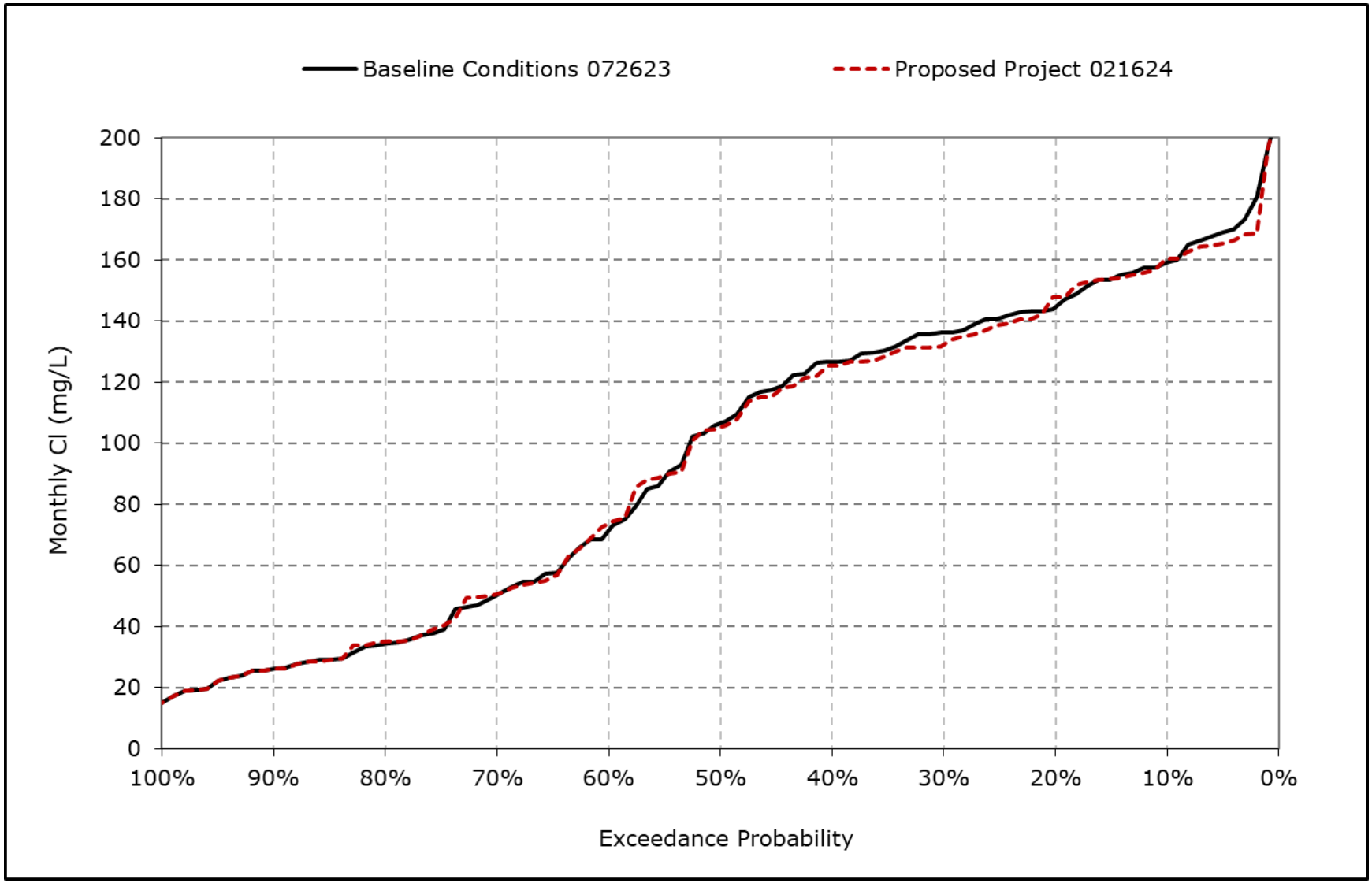
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-6h. San Joaquin River at Prisoners Point Chloride, November Cl



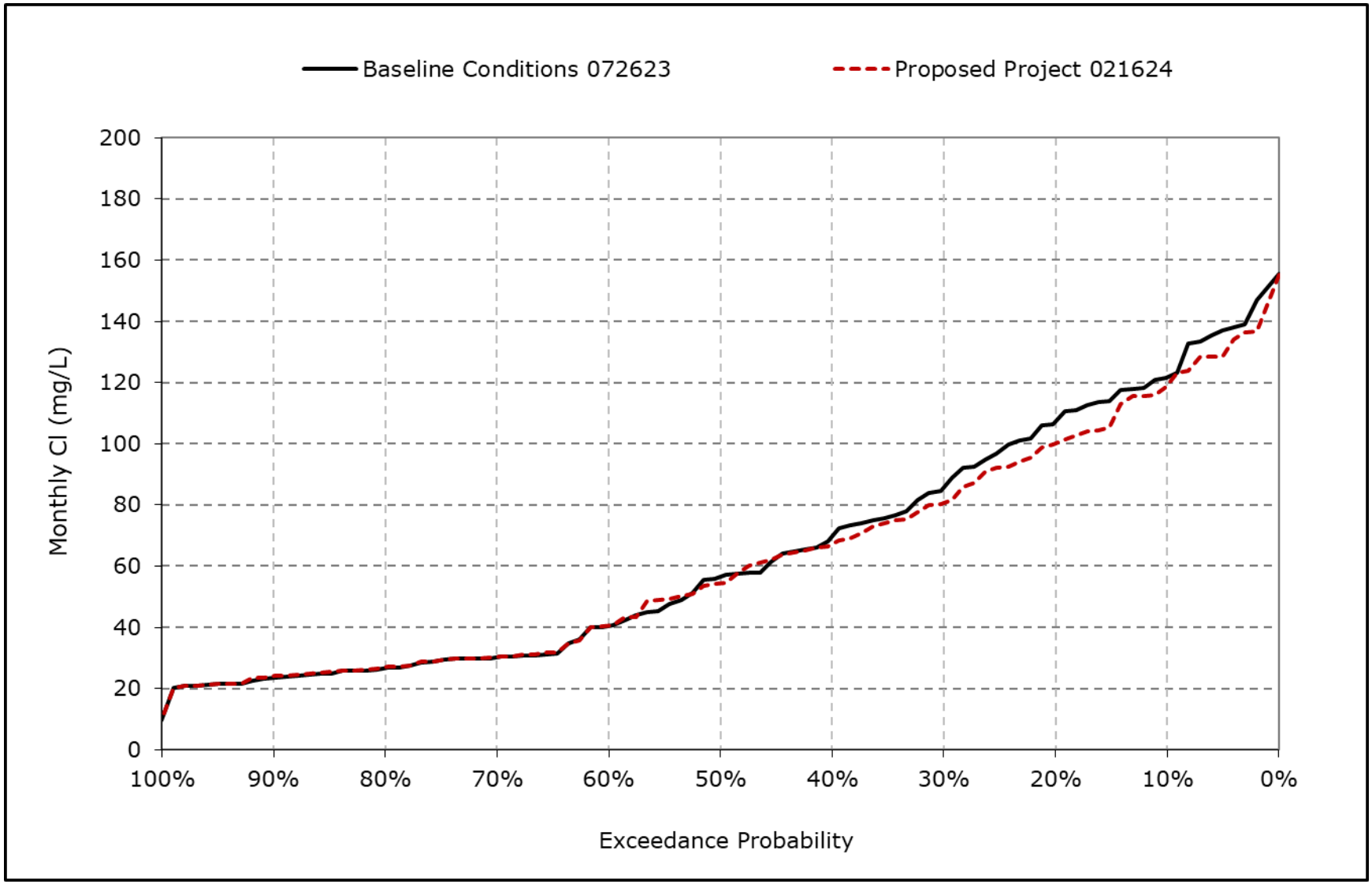
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-6i. San Joaquin River at Prisoners Point Chloride, December Cl



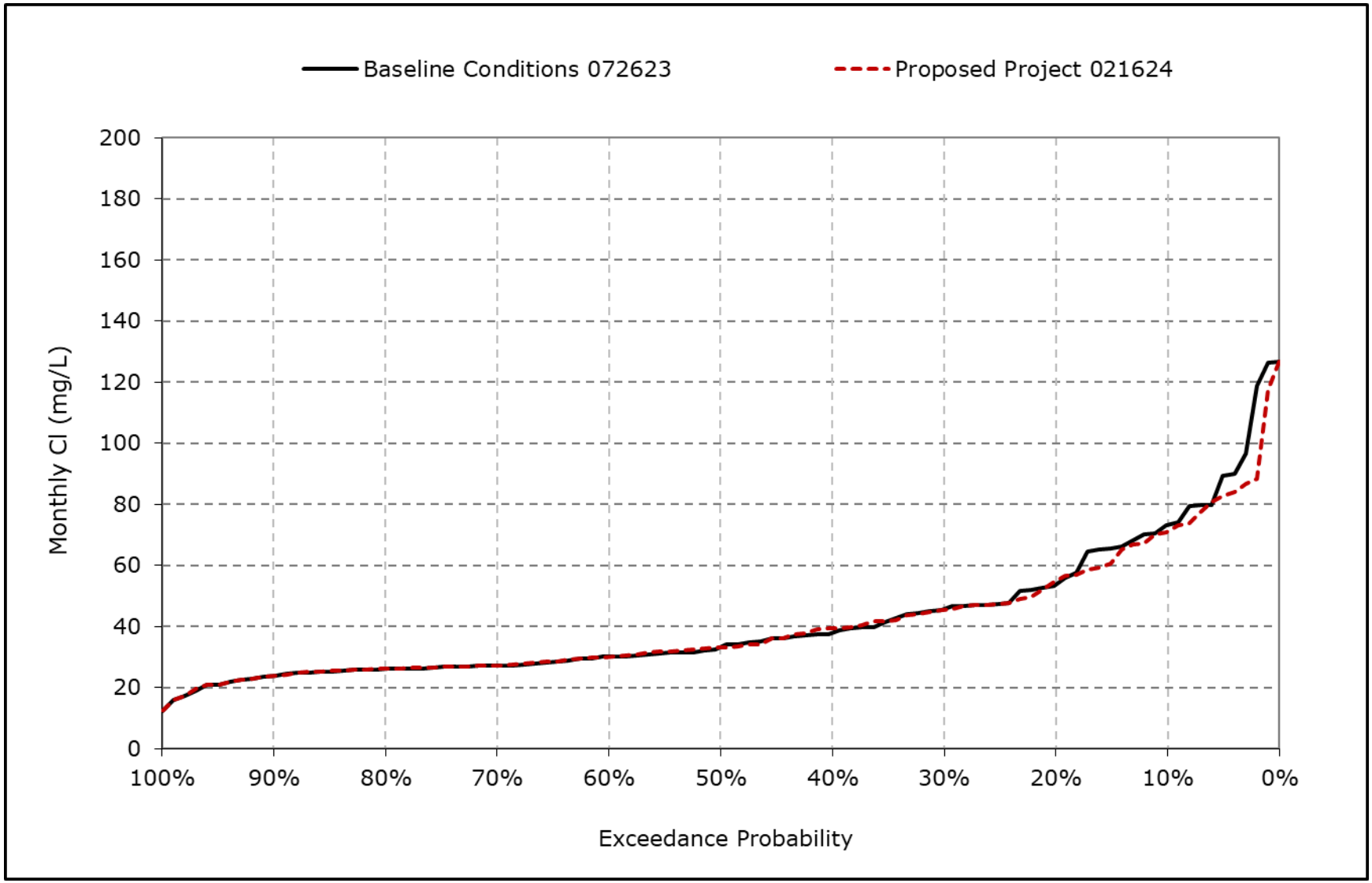
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-6j. San Joaquin River at Prisoners Point Chloride, January Cl



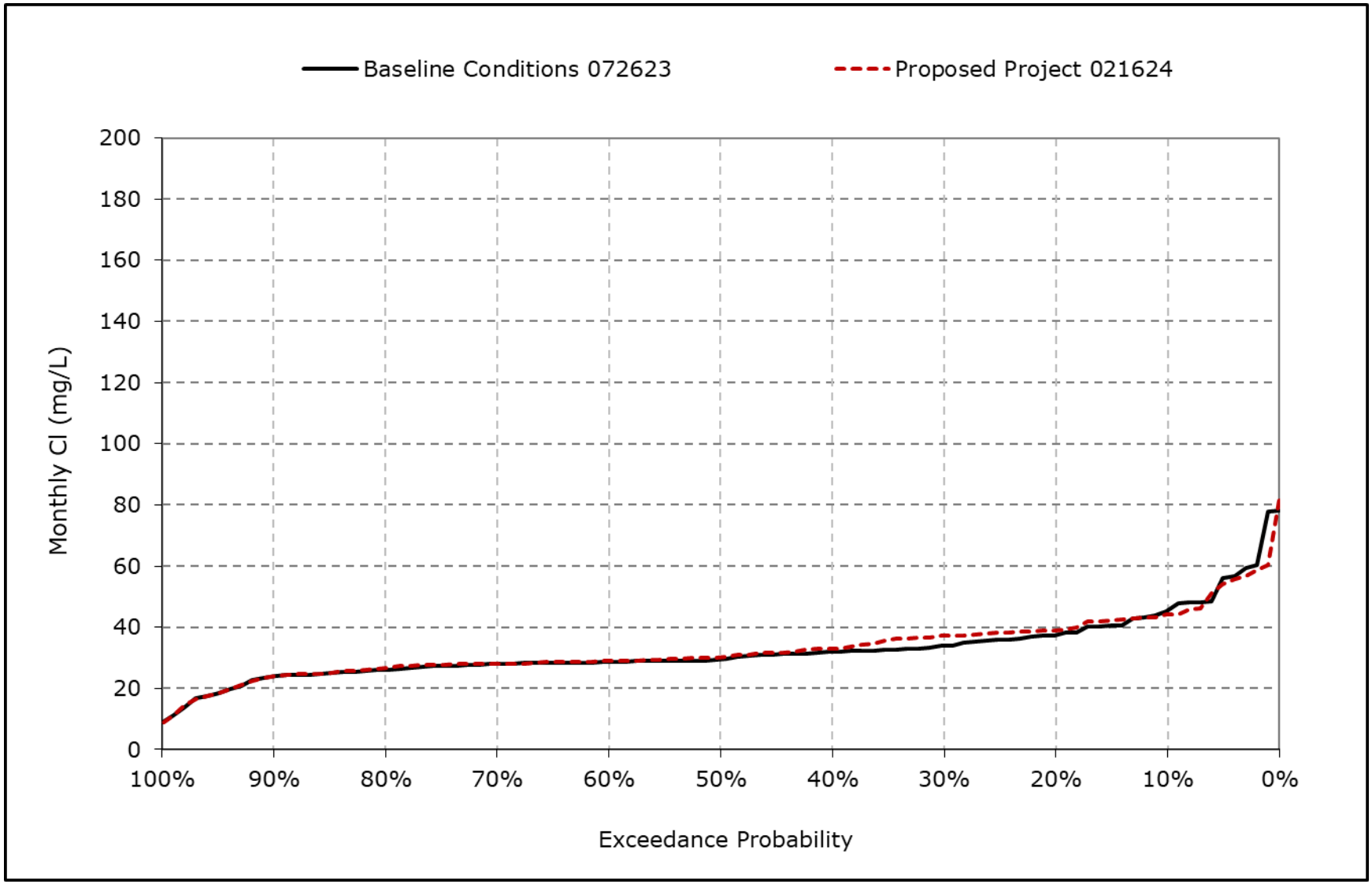
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-6k. San Joaquin River at Prisoners Point Chloride, February Cl



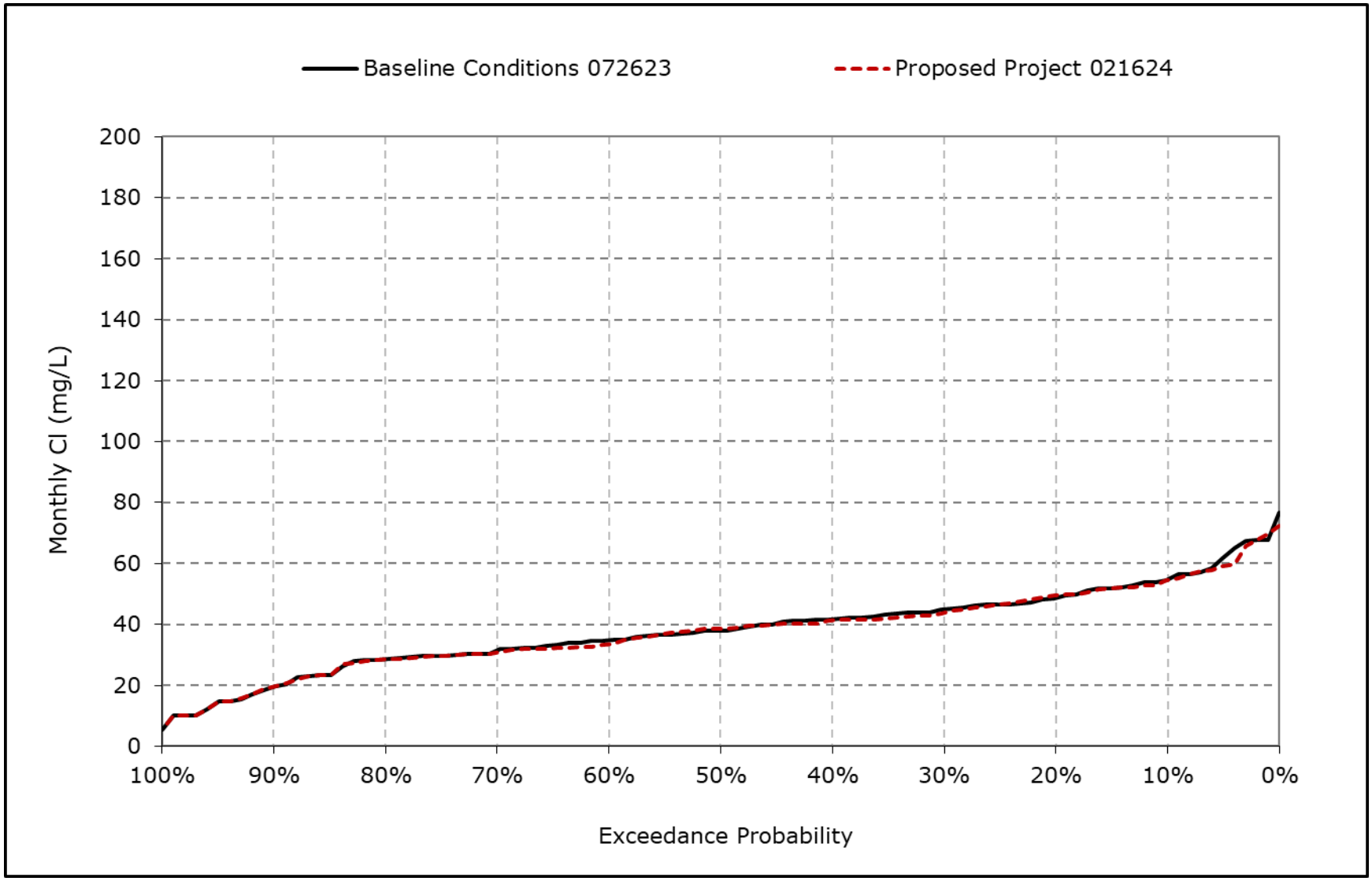
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-6l. San Joaquin River at Prisoners Point Chloride, March Cl



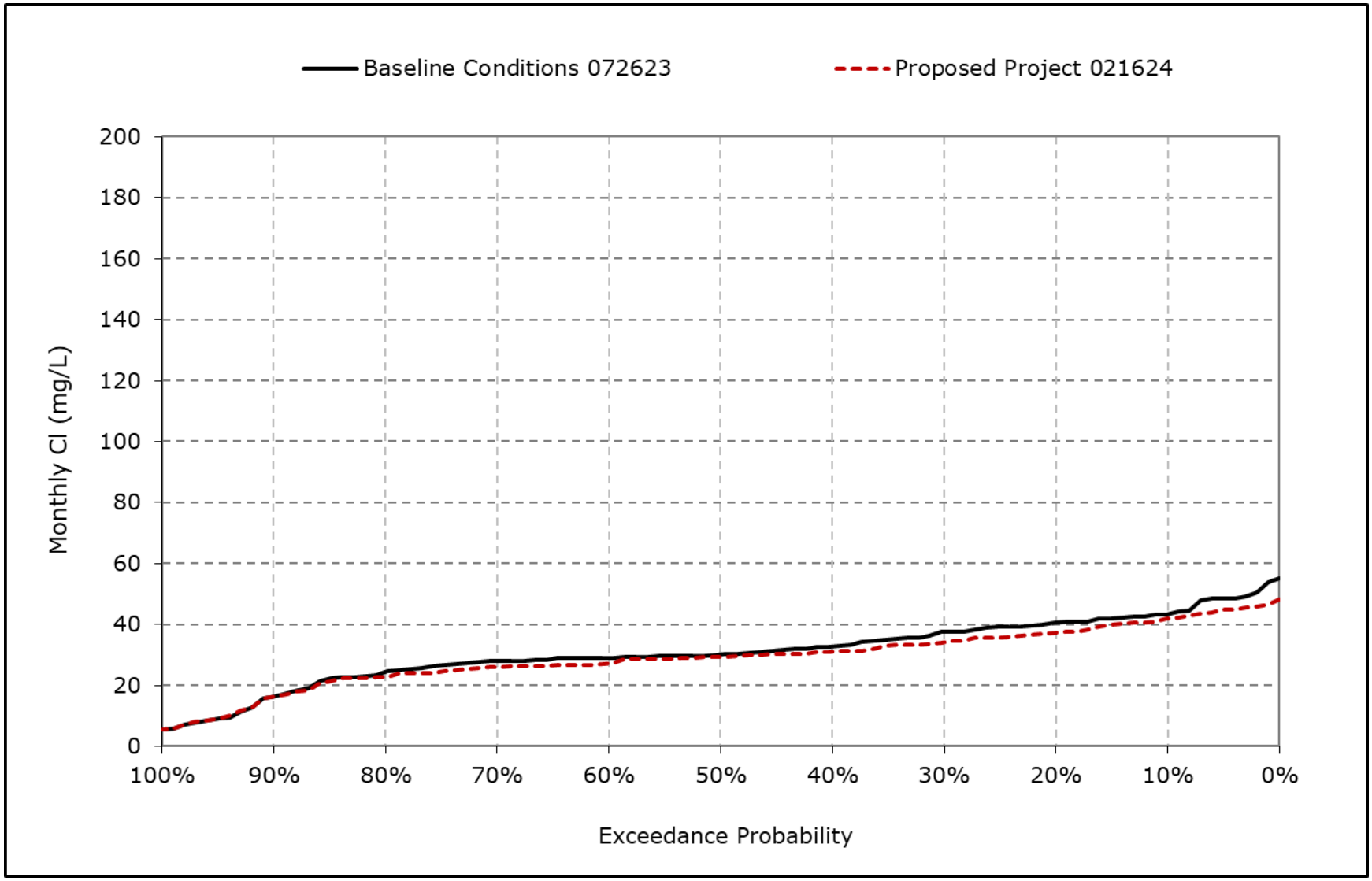
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-6m. San Joaquin River at Prisoners Point Chloride, April Cl



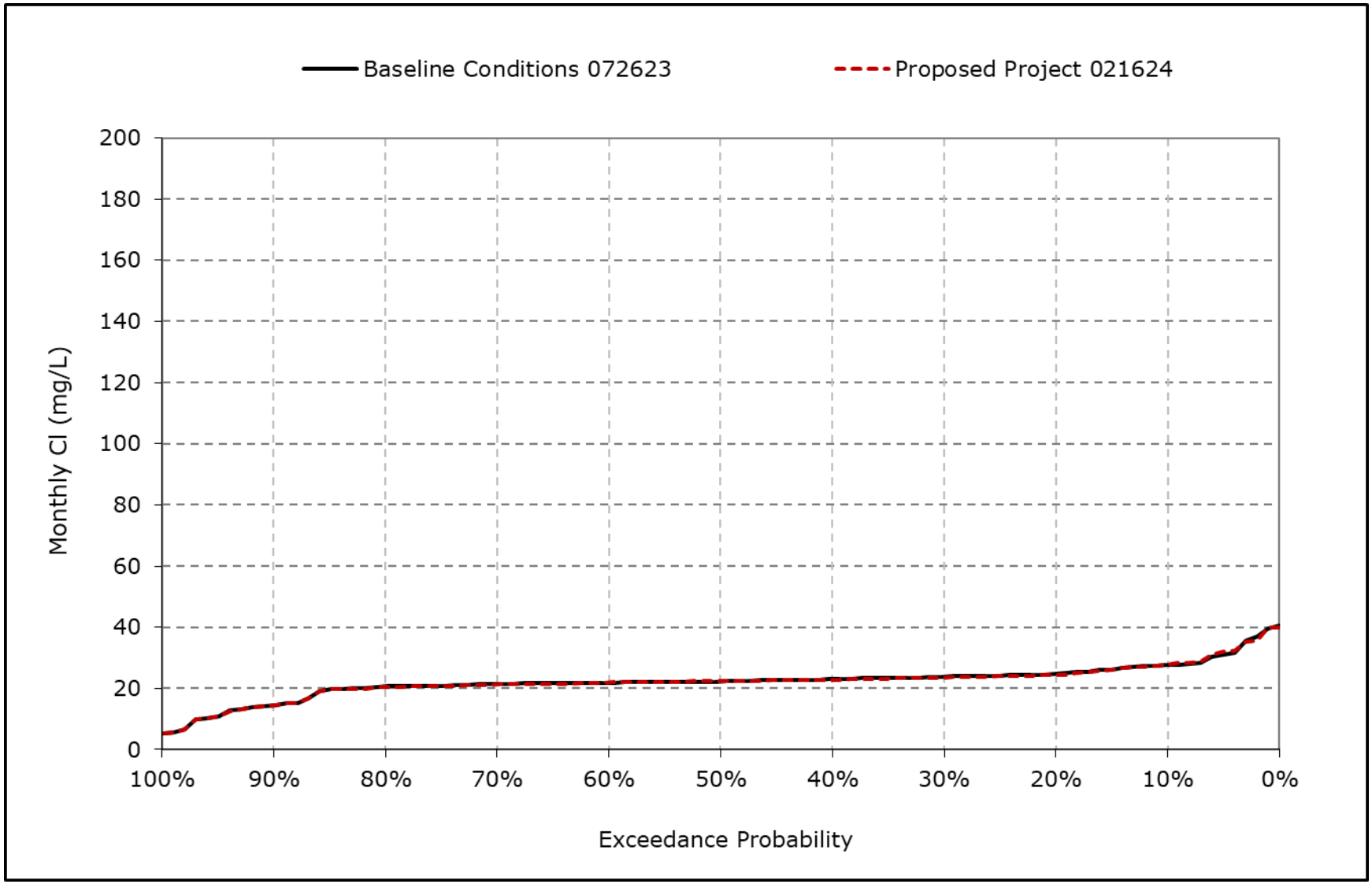
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-6n. San Joaquin River at Prisoners Point Chloride, May Cl



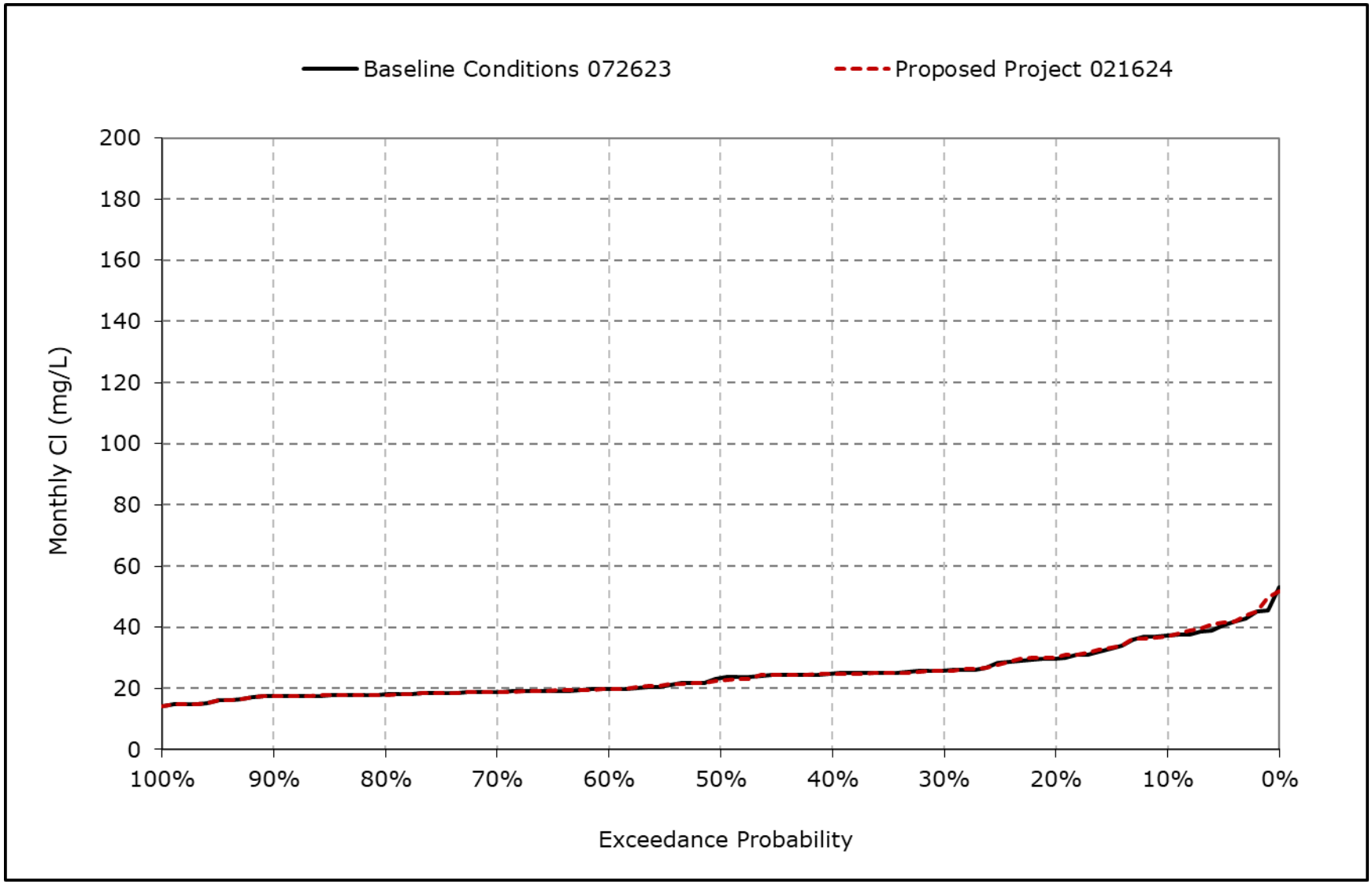
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-6o. San Joaquin River at Prisoners Point Chloride, June Cl



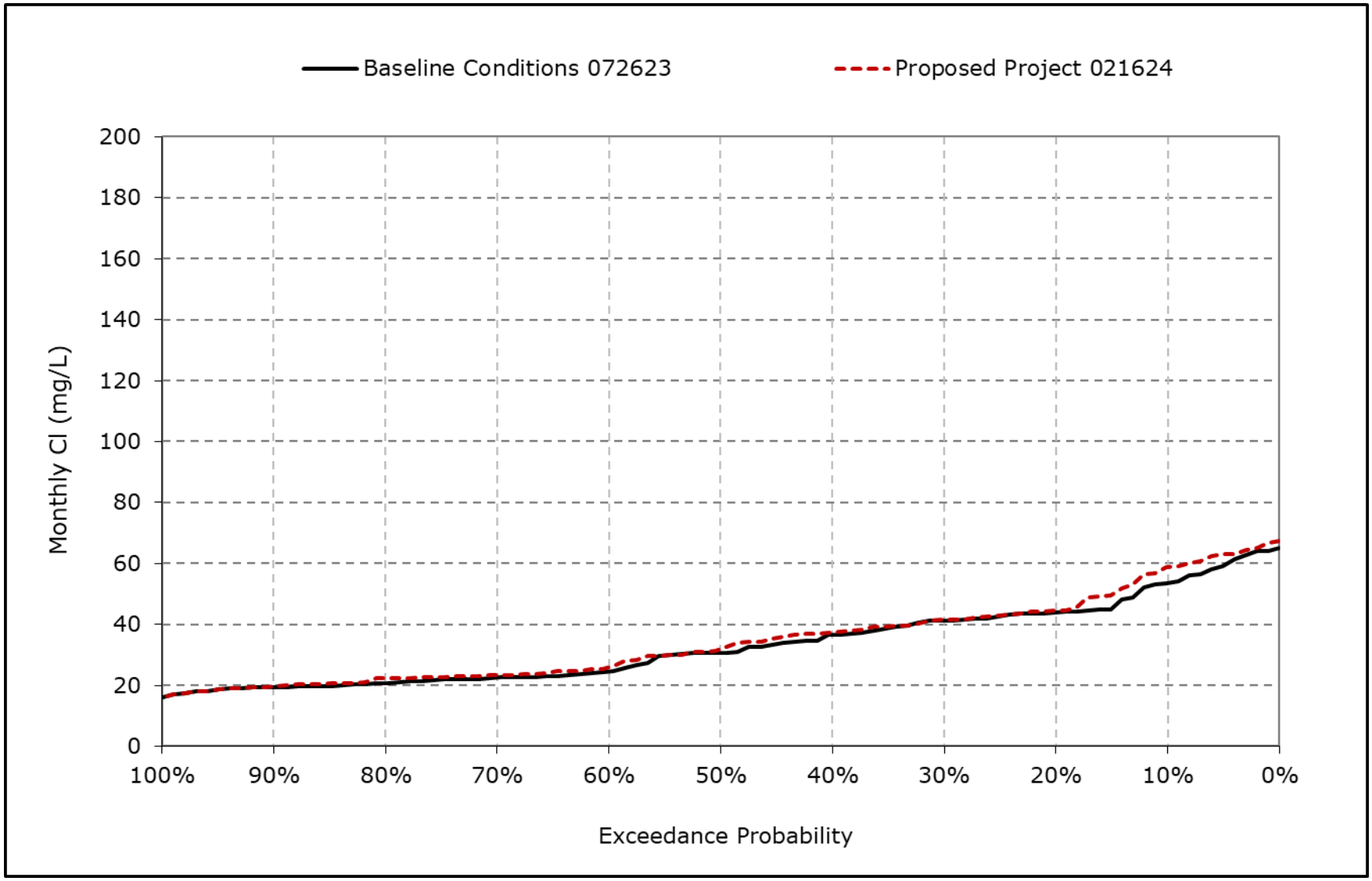
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-6p. San Joaquin River at Prisoners Point Chloride, July Cl



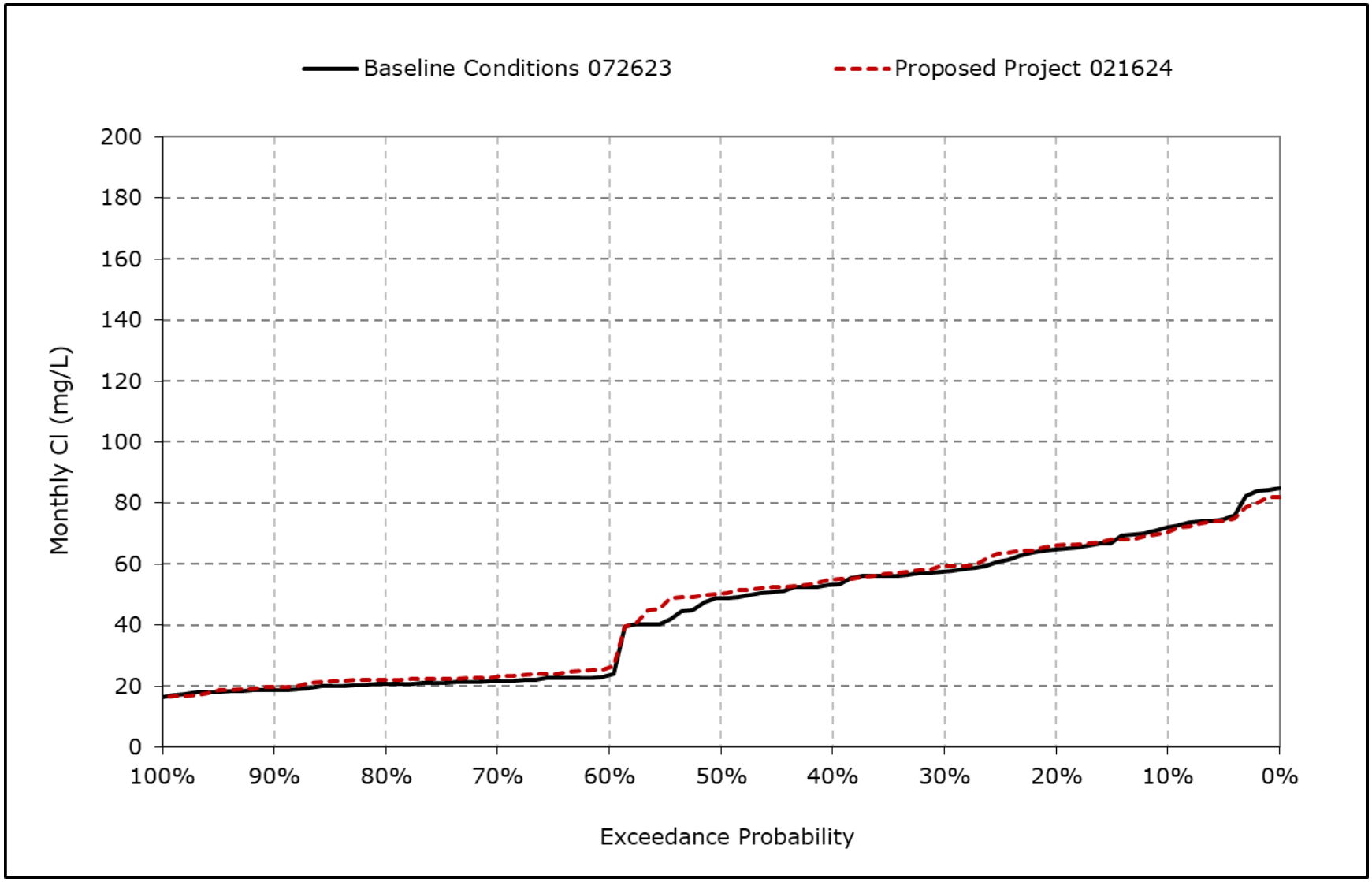
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-6q. San Joaquin River at Prisoners Point Chloride, August Cl



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

Figure 4B-7-6r. San Joaquin River at Prisoners Point Chloride, September Cl



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

Table 4B-7-7-1a. Old River at Highway 4 Chloride, Baseline Conditions 072623, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	148	189	231	212	149	87	103	101	62	74	101	131
20% Exceedance	140	164	216	190	105	70	97	94	48	57	87	124
30% Exceedance	136	138	203	177	88	64	84	84	44	46	78	116
40% Exceedance	131	127	182	159	75	59	72	72	41	43	72	109
50% Exceedance	118	115	168	105	68	55	68	65	38	37	66	100
60% Exceedance	28	56	124	75	60	53	64	57	33	28	40	45
70% Exceedance	27	43	105	59	53	49	58	48	30	26	32	38
80% Exceedance	26	39	78	46	44	44	52	38	28	24	29	35
90% Exceedance	25	30	38	35	35	39	31	27	20	21	25	26
Full Simulation Period Average[a]	90	103	148	119	78	60	70	65	39	41	60	82
Wet Water Years (30%)	82	83	93	64	53	46	44	35	24	23	28	32
Above Normal Years (11%)	91	110	161	105	68	59	74	58	32	25	31	36
Below Normal Years (21%)	78	86	146	131	75	59	78	76	40	38	70	124
Dry Water Years (22%)	87	102	178	158	93	60	83	86	43	55	92	109
Critical Water Years (16%)	123	157	205	165	117	87	88	83	67	73	86	116

Table 4B-7-7-1b. Old River at Highway 4 Chloride, Proposed Project 021624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	154	191	228	205	143	86	103	97	61	77	105	130
20% Exceedance	143	161	214	185	105	72	94	87	47	57	89	125
30% Exceedance	135	135	199	169	91	66	78	78	44	45	80	119
40% Exceedance	126	124	182	156	76	64	75	69	40	41	71	112
50% Exceedance	120	115	165	109	68	59	70	66	38	35	64	105
60% Exceedance	30	56	126	75	58	54	65	56	33	28	45	52
70% Exceedance	28	43	106	61	53	51	58	41	29	25	34	44
80% Exceedance	27	39	79	48	44	43	49	33	28	24	30	40
90% Exceedance	26	32	38	36	34	35	37	25	20	21	27	29
Full Simulation Period Average[a]	91	103	147	118	77	61	69	61	39	41	62	86
Wet Water Years (30%)	84	85	94	64	53	45	43	29	23	23	29	36
Above Normal Years (11%)	92	109	160	108	63	61	71	47	31	26	34	42
Below Normal Years (21%)	77	85	147	130	76	64	82	79	39	37	68	121
Dry Water Years (22%)	86	100	175	155	95	63	82	80	43	56	98	117
Critical Water Years (16%)	128	158	201	158	109	83	84	79	66	73	87	119

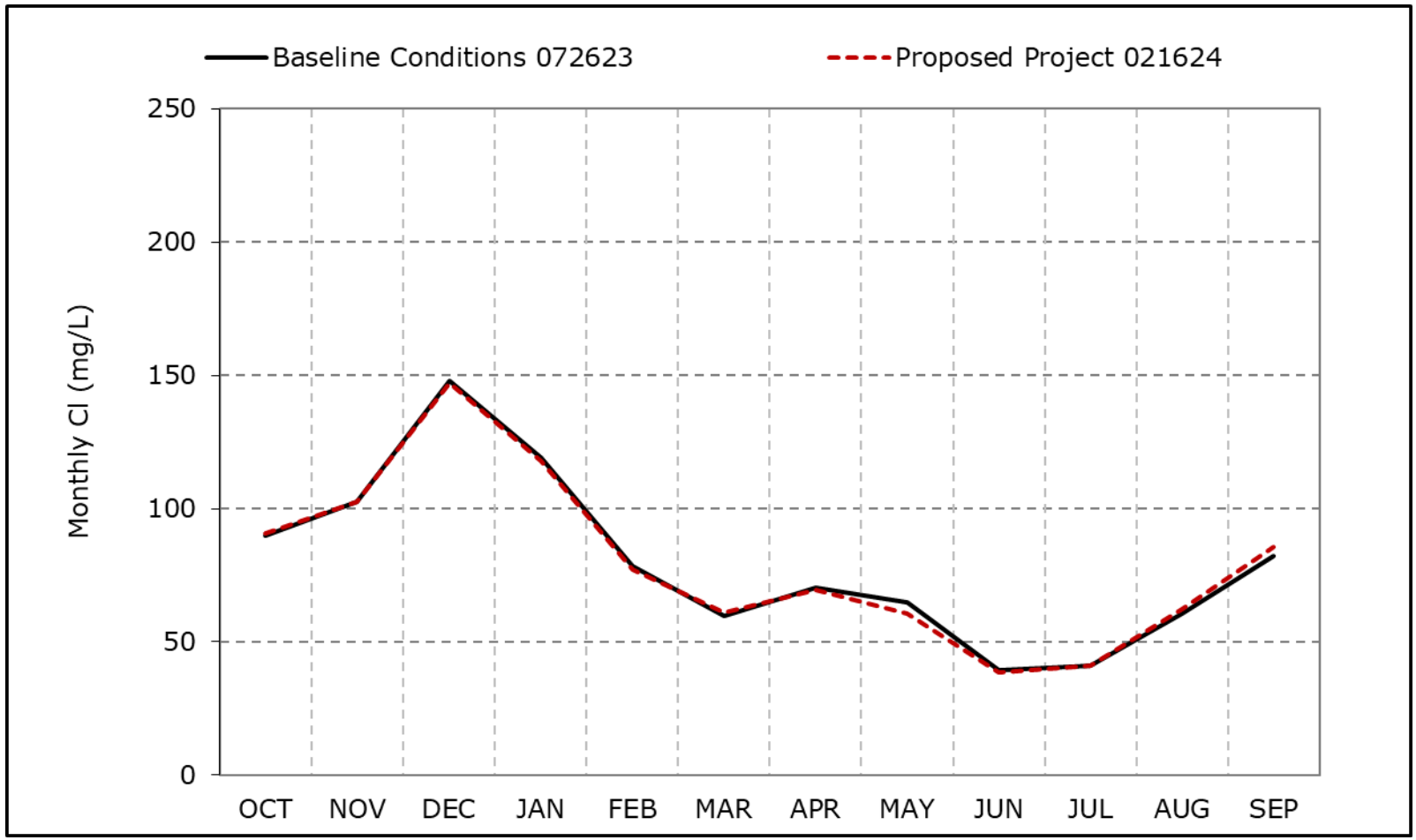
Table 4B-7-7-1c. Old River at Highway 4 Chloride, Proposed Project 021624 minus Baseline Conditions 072623, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	5	2	-3	-7	-6	-2	1	-4	-2	3	3	-1
20% Exceedance	2	-3	-2	-6	0	3	-3	-8	-1	1	2	1
30% Exceedance	-1	-3	-3	-8	3	2	-5	-6	-1	-1	2	3
40% Exceedance	-4	-3	-1	-3	2	4	3	-3	0	-1	-1	3
50% Exceedance	2	0	-3	3	0	4	2	0	0	-2	-2	5
60% Exceedance	1	0	2	0	-2	2	2	-1	0	0	6	6
70% Exceedance	1	0	0	2	0	2	0	-7	0	0	3	6
80% Exceedance	1	0	1	2	0	-1	-3	-5	0	0	1	5
90% Exceedance	1	2	0	1	-1	-4	6	-2	0	0	1	3
Full Simulation Period Average[a]	1	0	-1	-1	-1	1	-1	-4	-1	0	2	3
Wet Water Years (30%)	1	2	1	1	0	-1	-1	-6	-1	0	1	4
Above Normal Years (11%)	1	0	-1	3	-5	2	-3	-11	-1	0	3	6
Below Normal Years (21%)	-1	-1	0	-1	1	5	4	3	-2	-1	-2	-3
Dry Water Years (22%)	-1	-2	-3	-3	2	3	-1	-5	0	1	6	8
Critical Water Years (16%)	4	1	-4	-6	-8	-4	-4	-4	-1	1	1	2

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

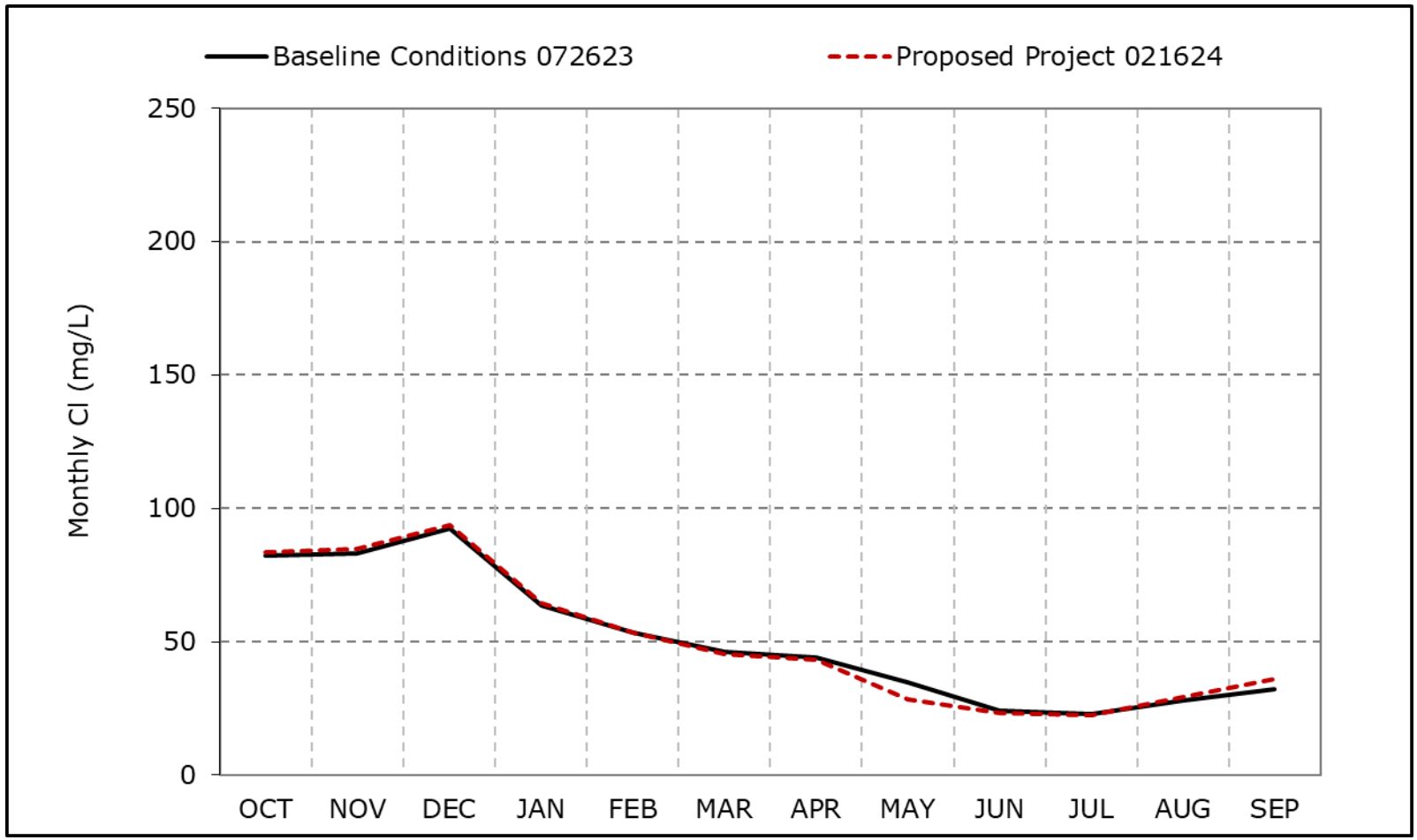
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-7-7a. Old River at Highway 4 Chloride, Long-Term Average Cl



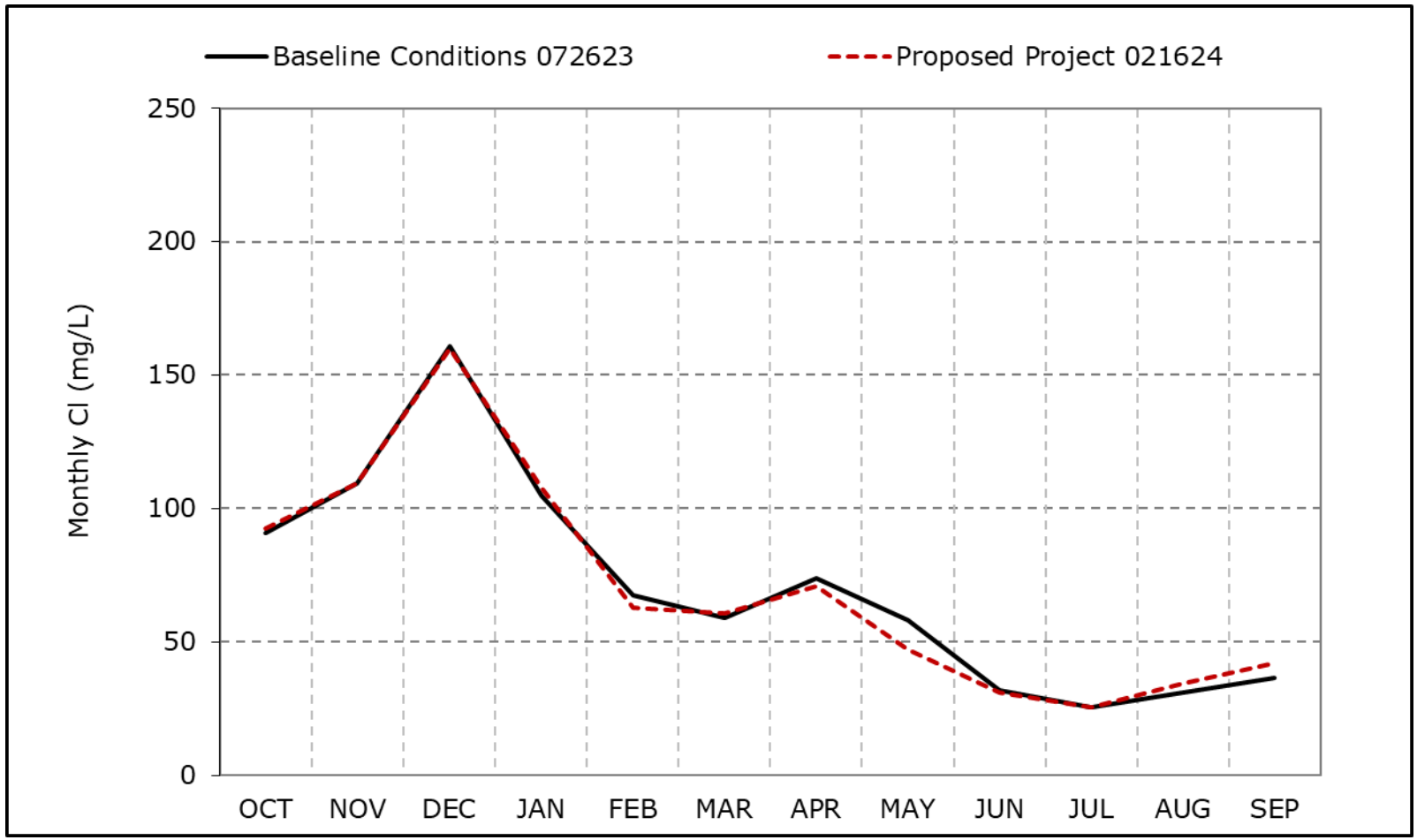
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-7b. Old River at Highway 4 Chloride, Wet Year Average Cl



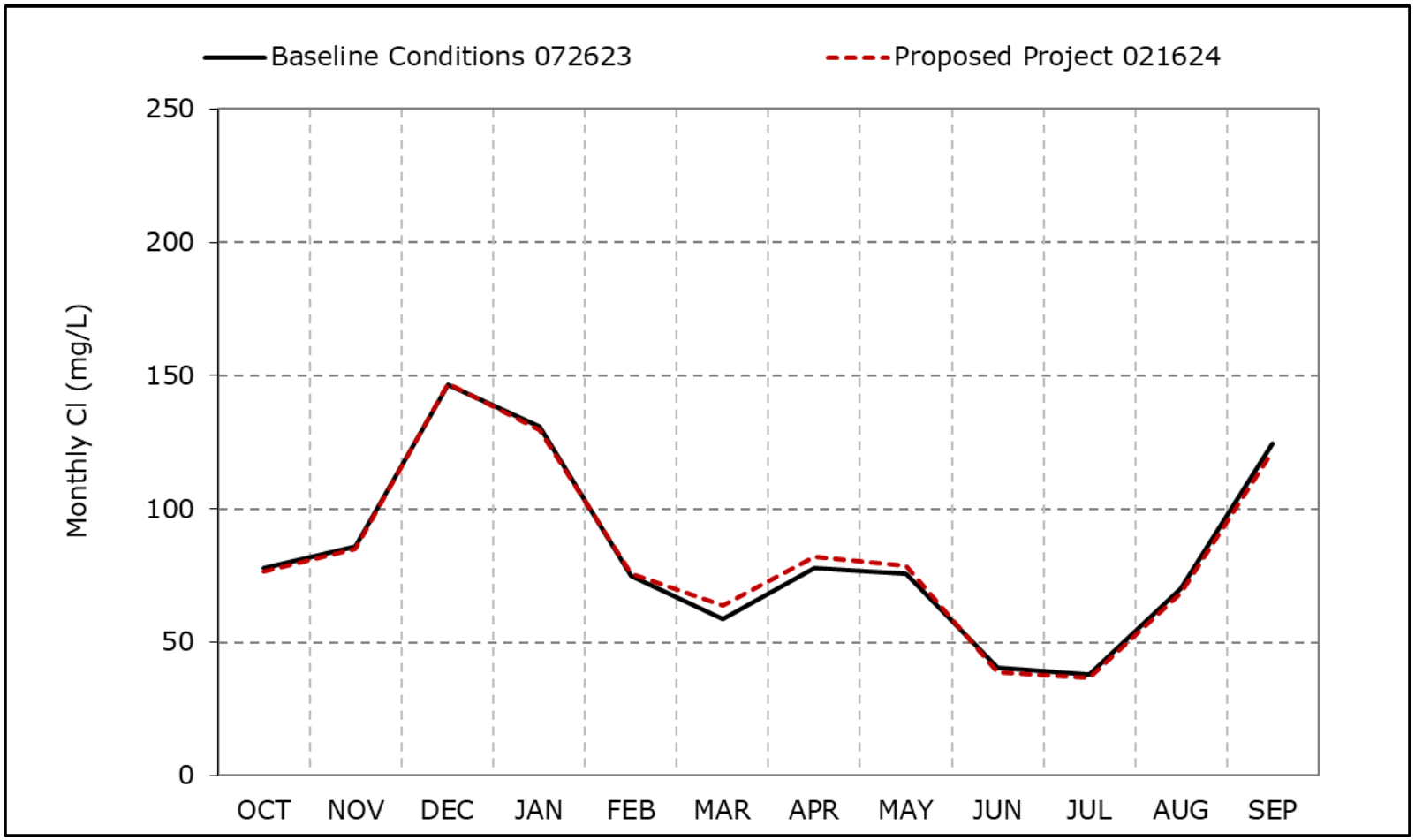
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-7c. Old River at Highway 4 Chloride, Above Normal Year Average Cl



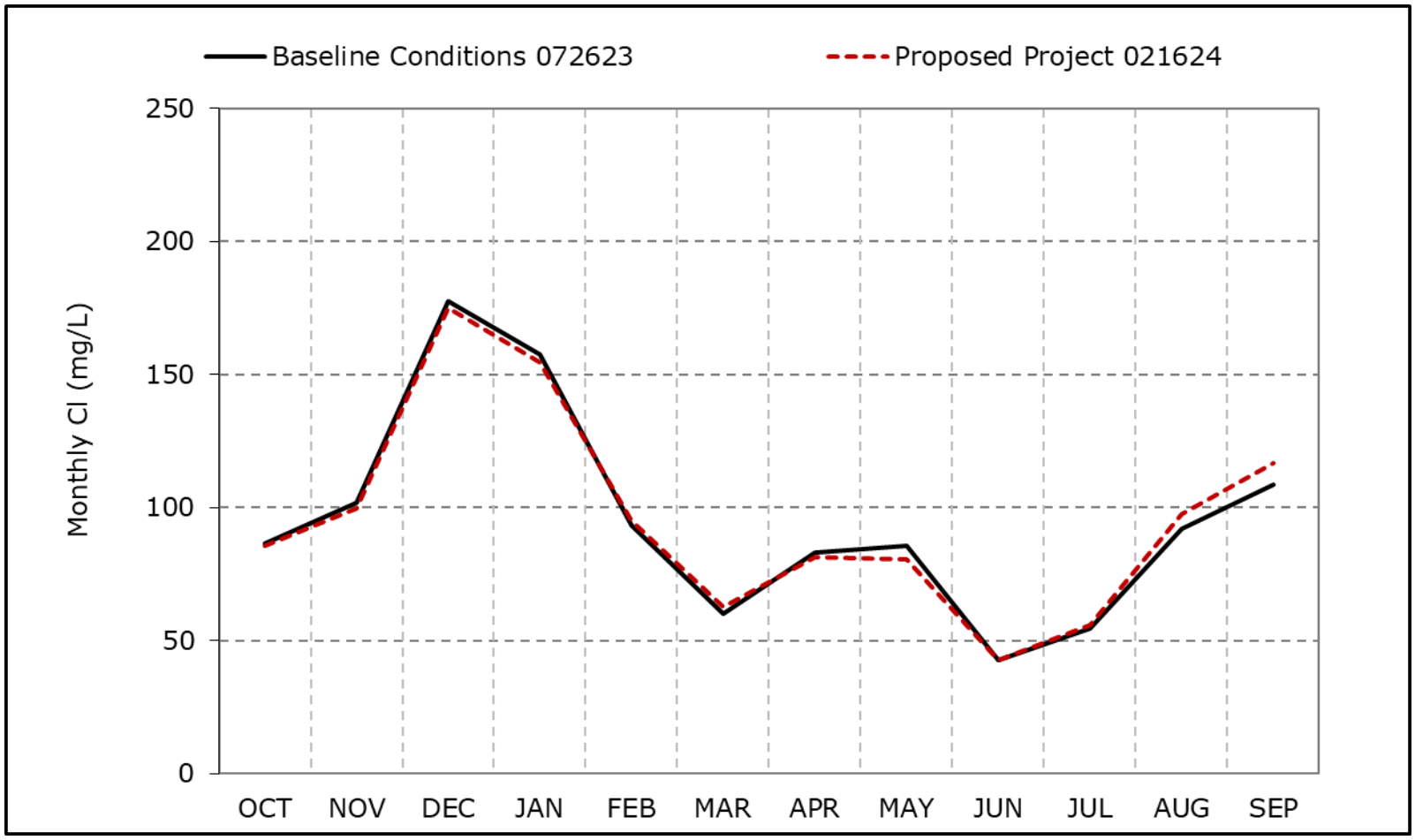
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-7d. Old River at Highway 4 Chloride, Below Normal Year Average Cl



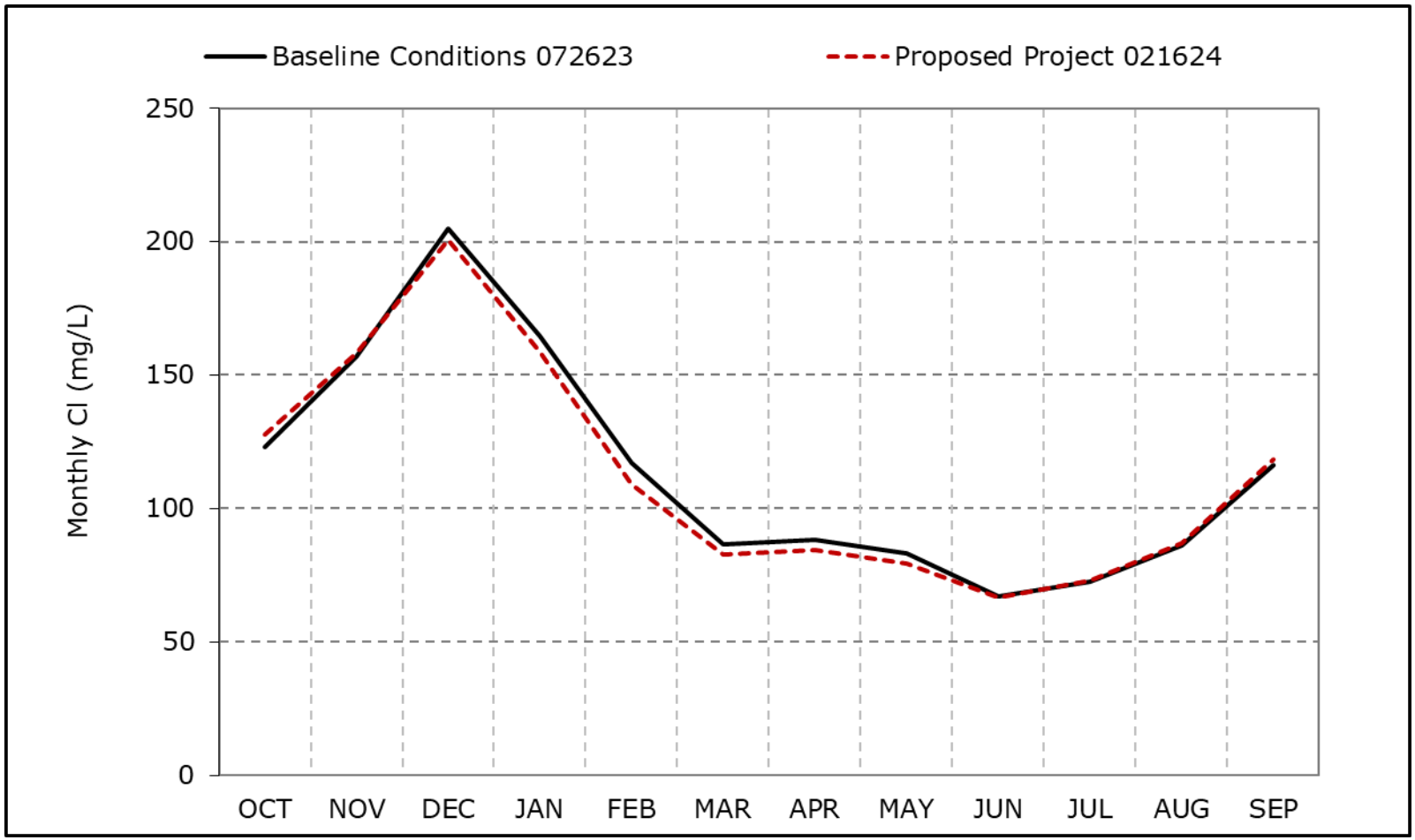
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-7e. Old River at Highway 4 Chloride, Dry Year Average Cl



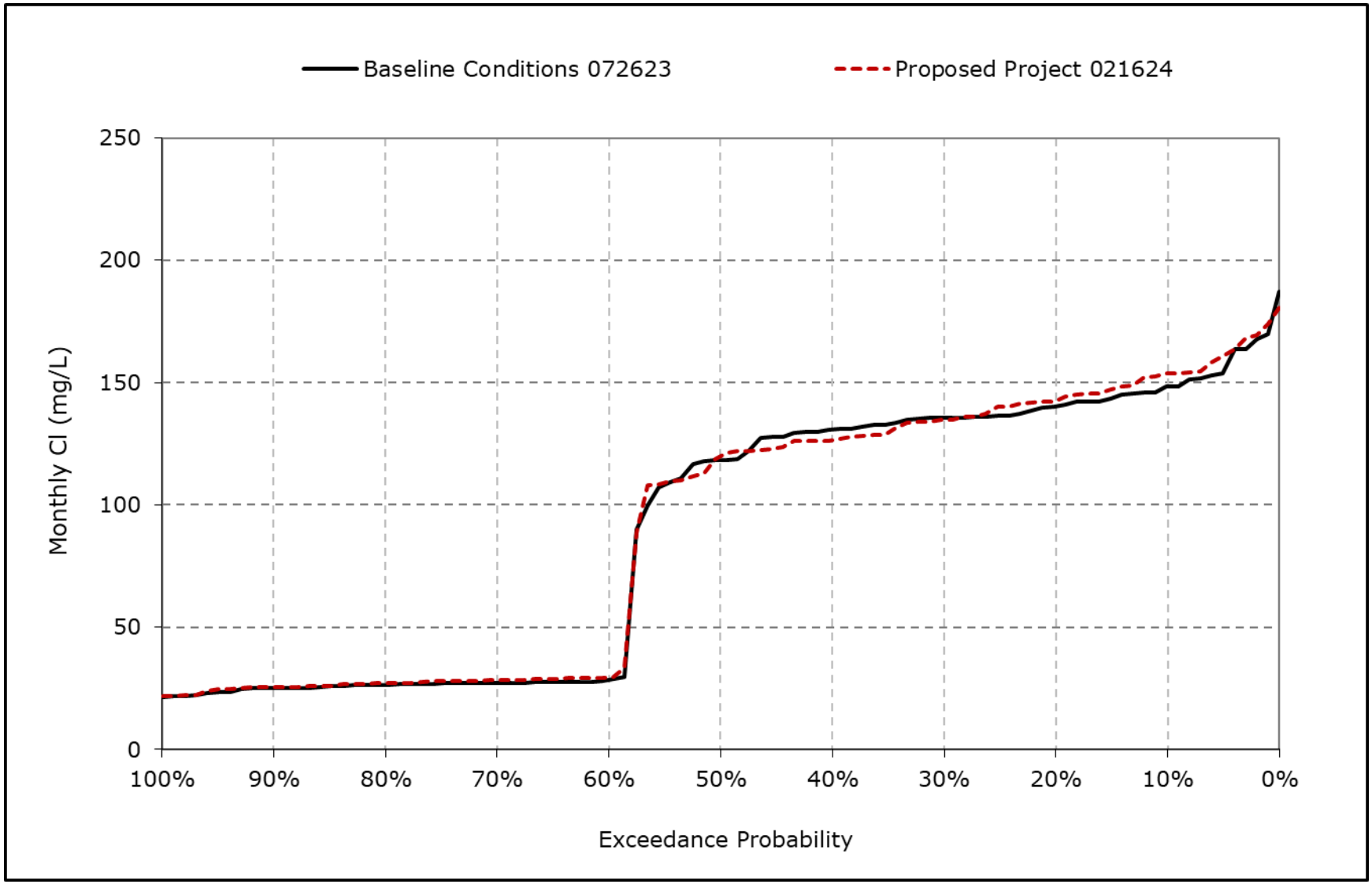
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-7f. Old River at Highway 4 Chloride, Critical Year Average Cl



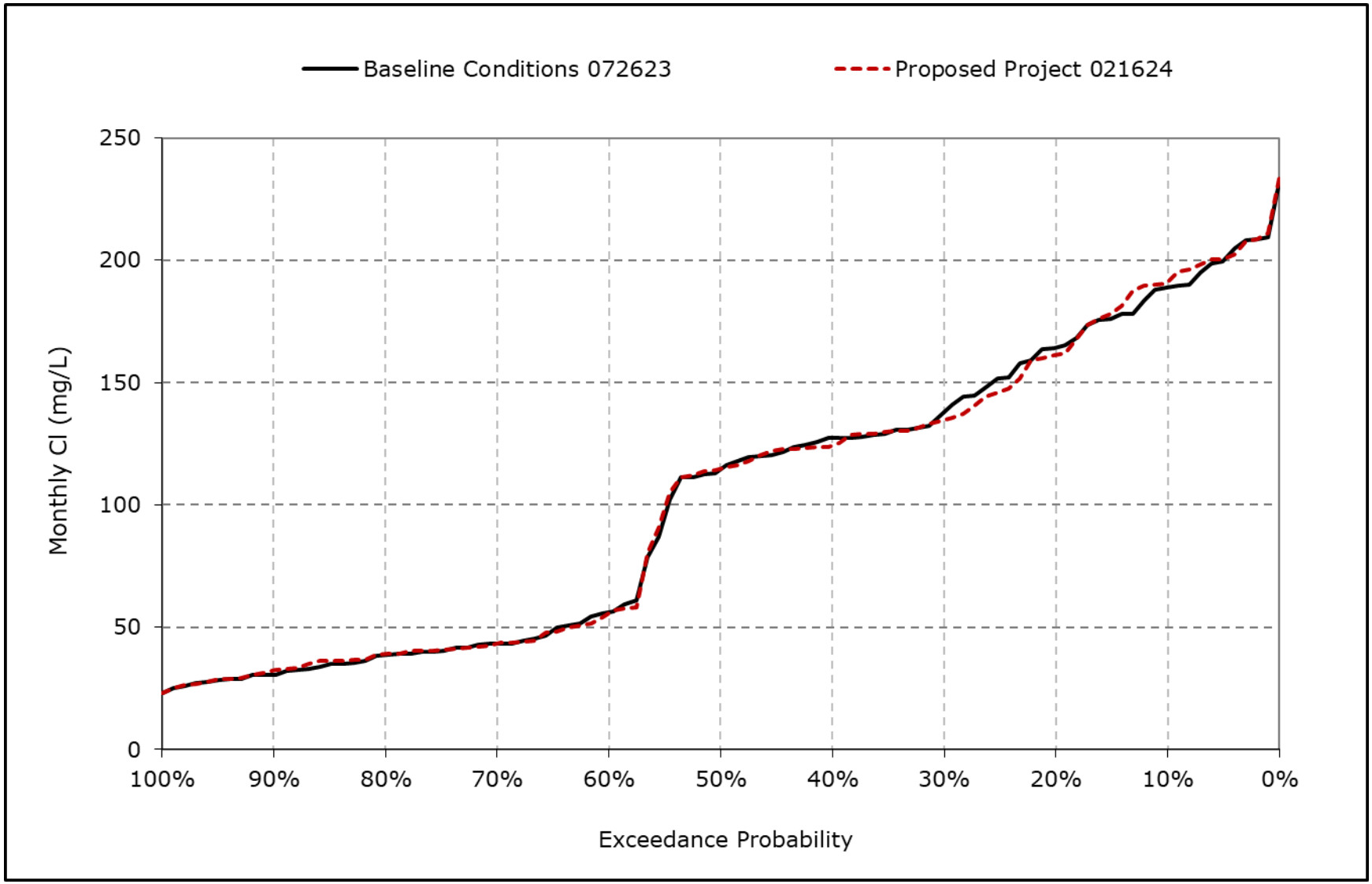
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-7g. Old River at Highway 4 Chloride, October Cl



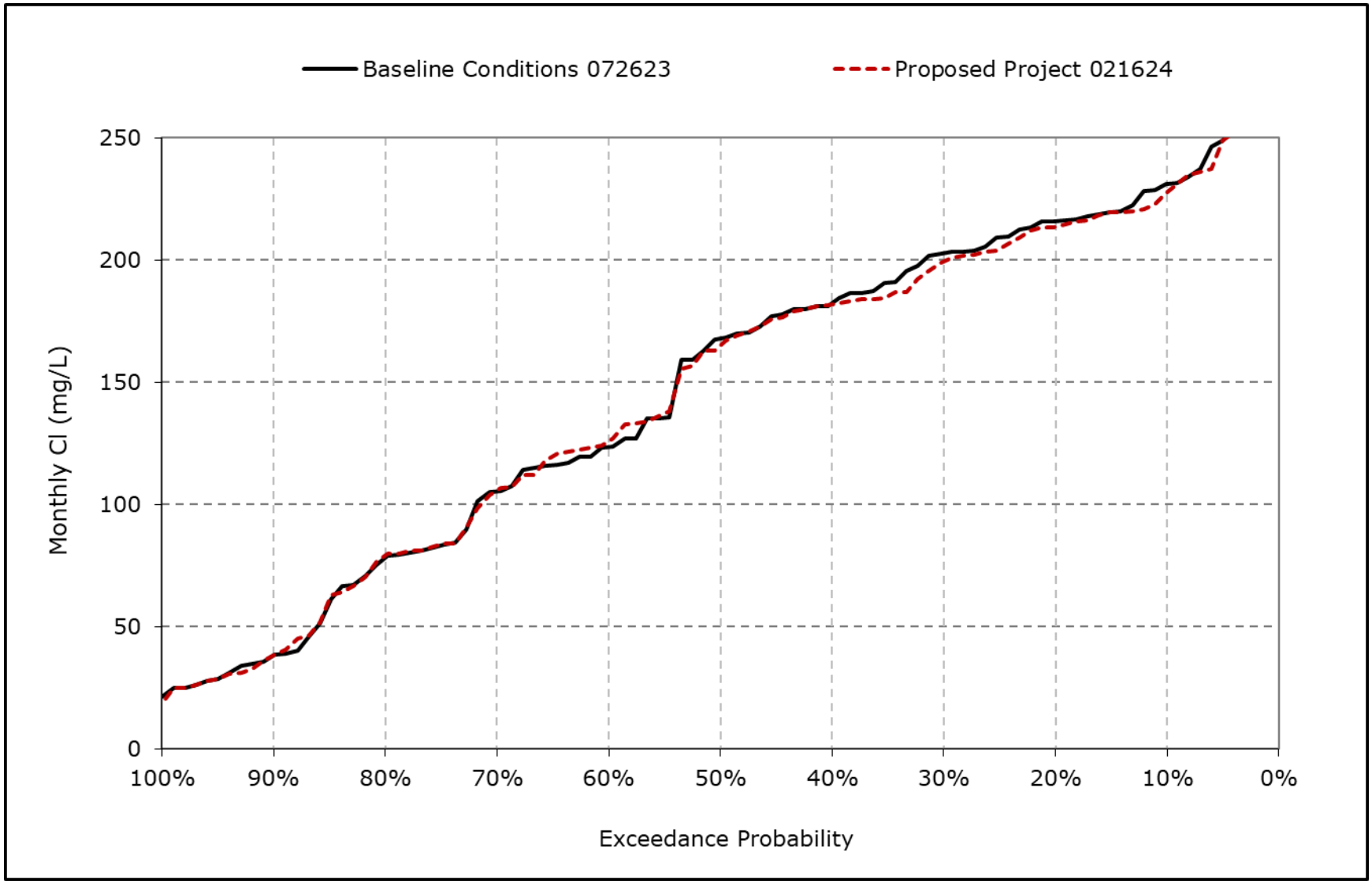
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-7h. Old River at Highway 4 Chloride, November Cl



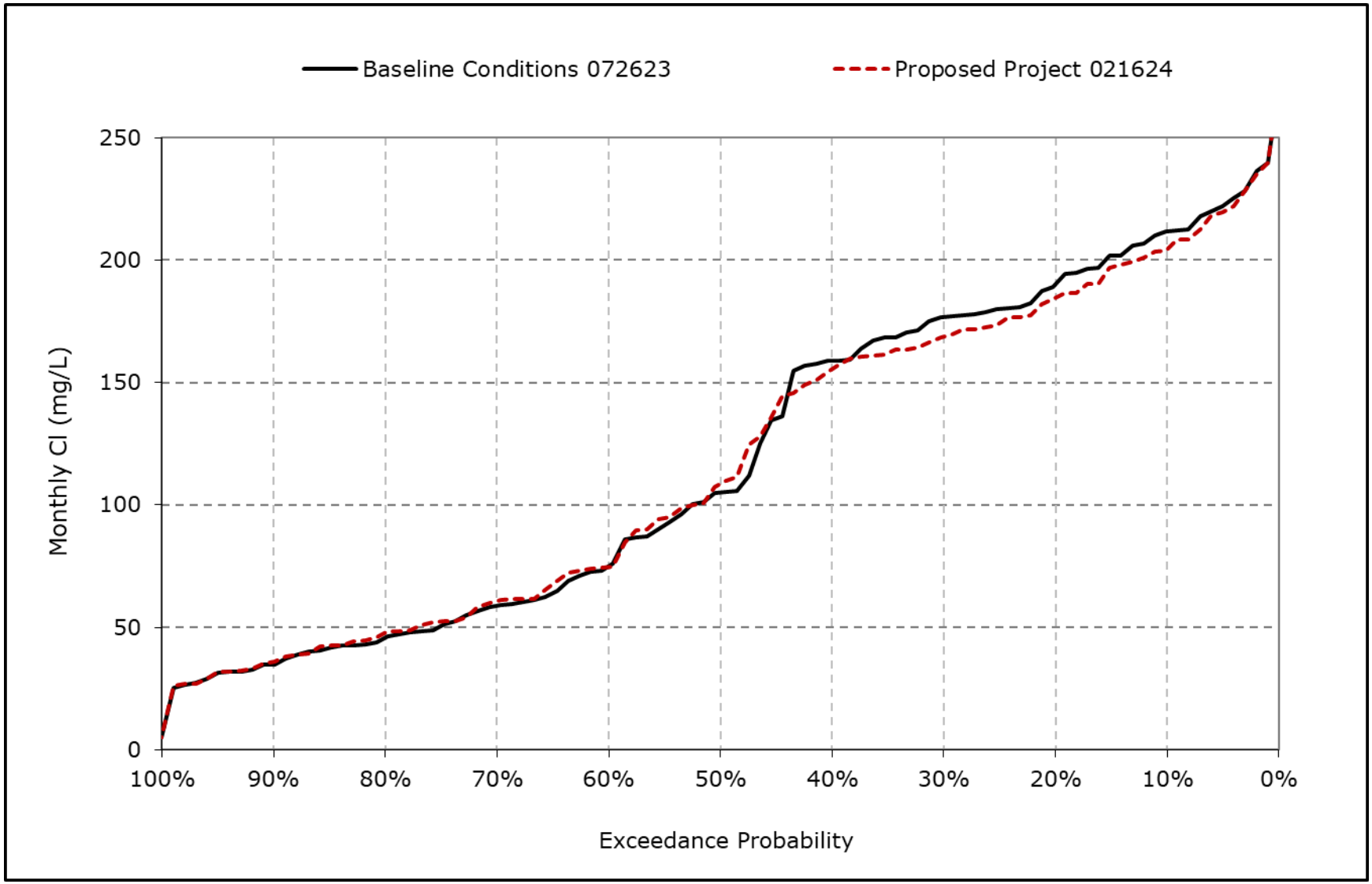
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-7i. Old River at Highway 4 Chloride, December Cl



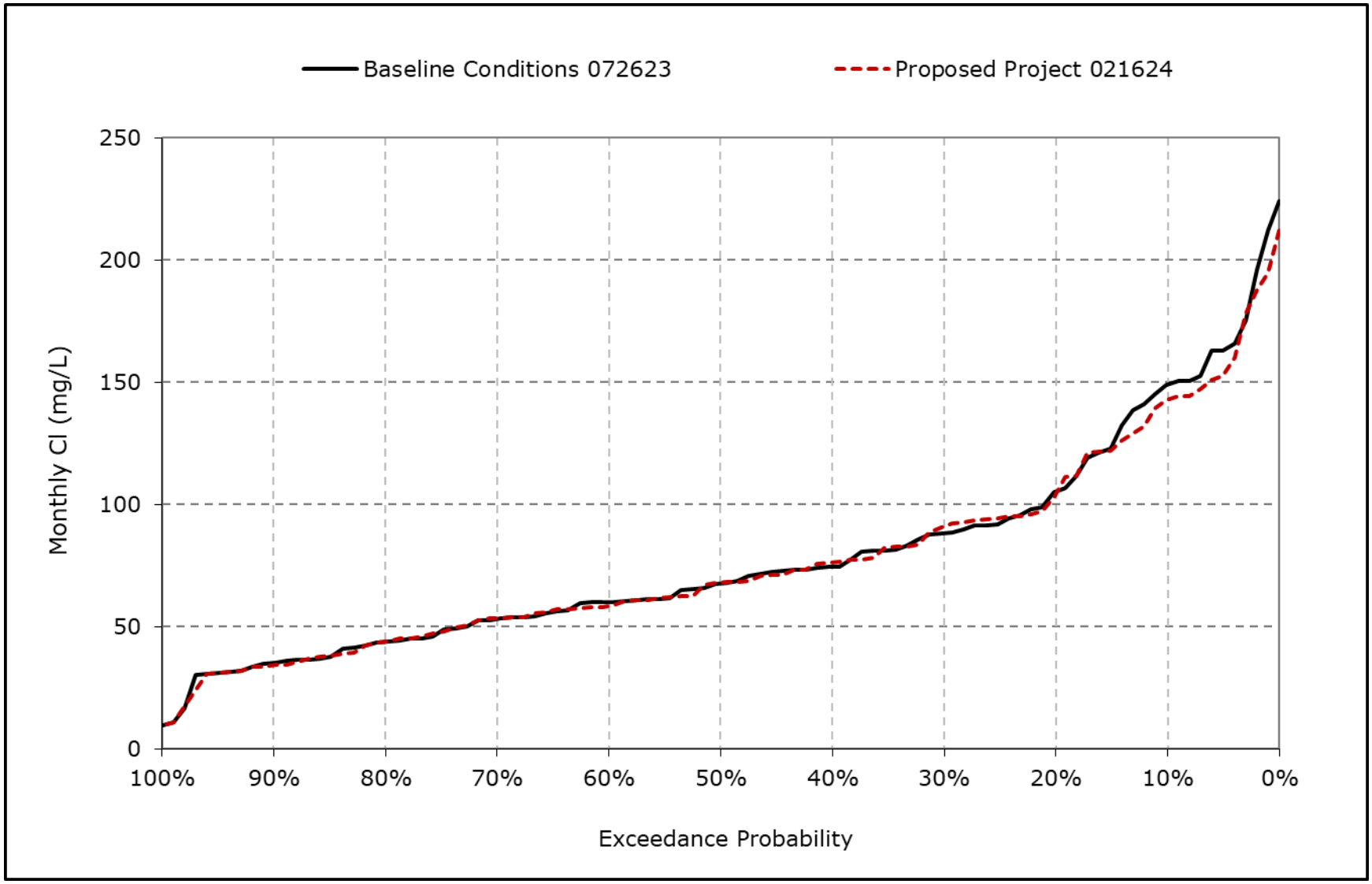
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-7j. Old River at Highway 4 Chloride, January Cl



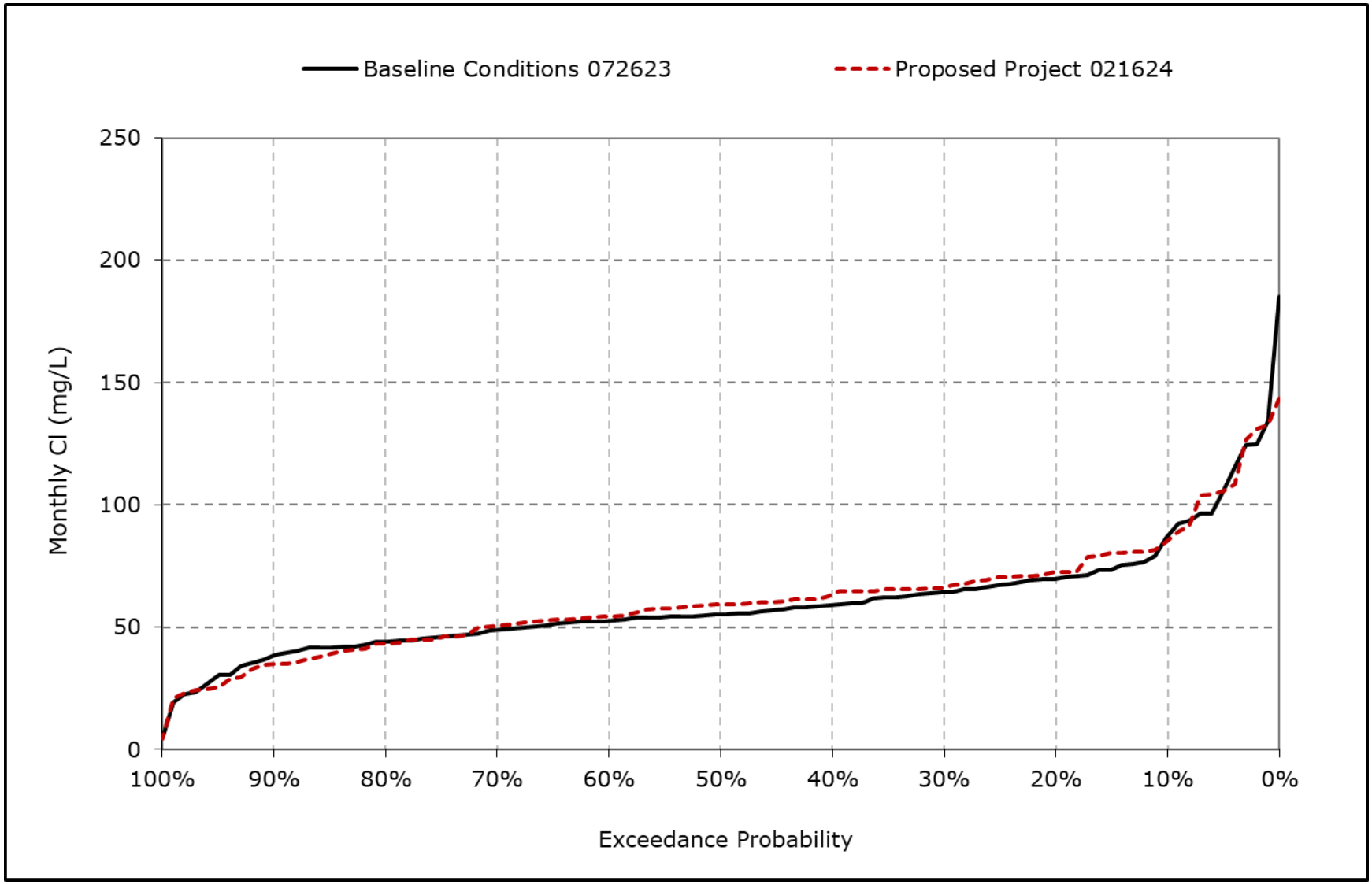
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-7k. Old River at Highway 4 Chloride, February Cl



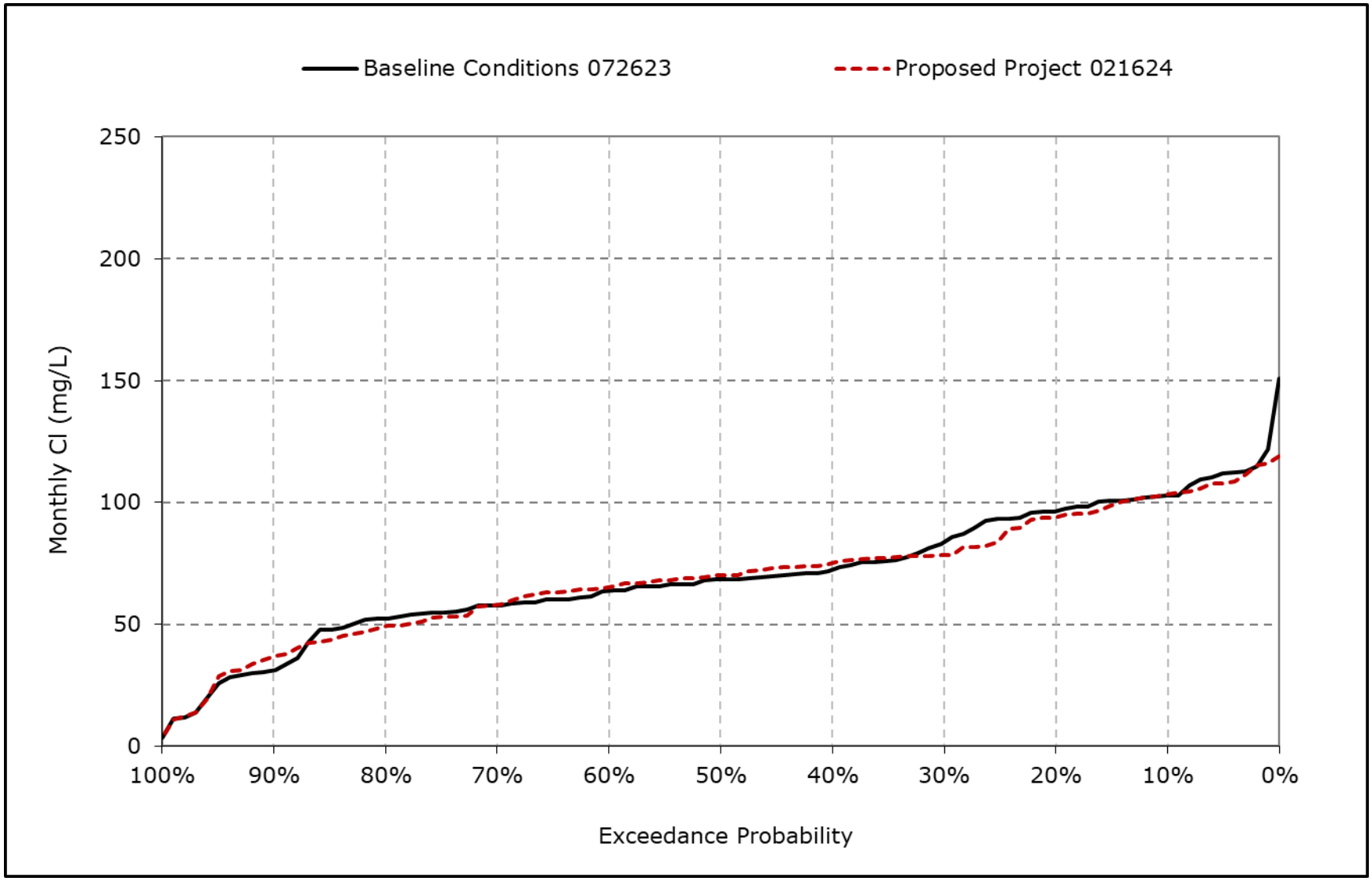
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-7l. Old River at Highway 4 Chloride, March Cl



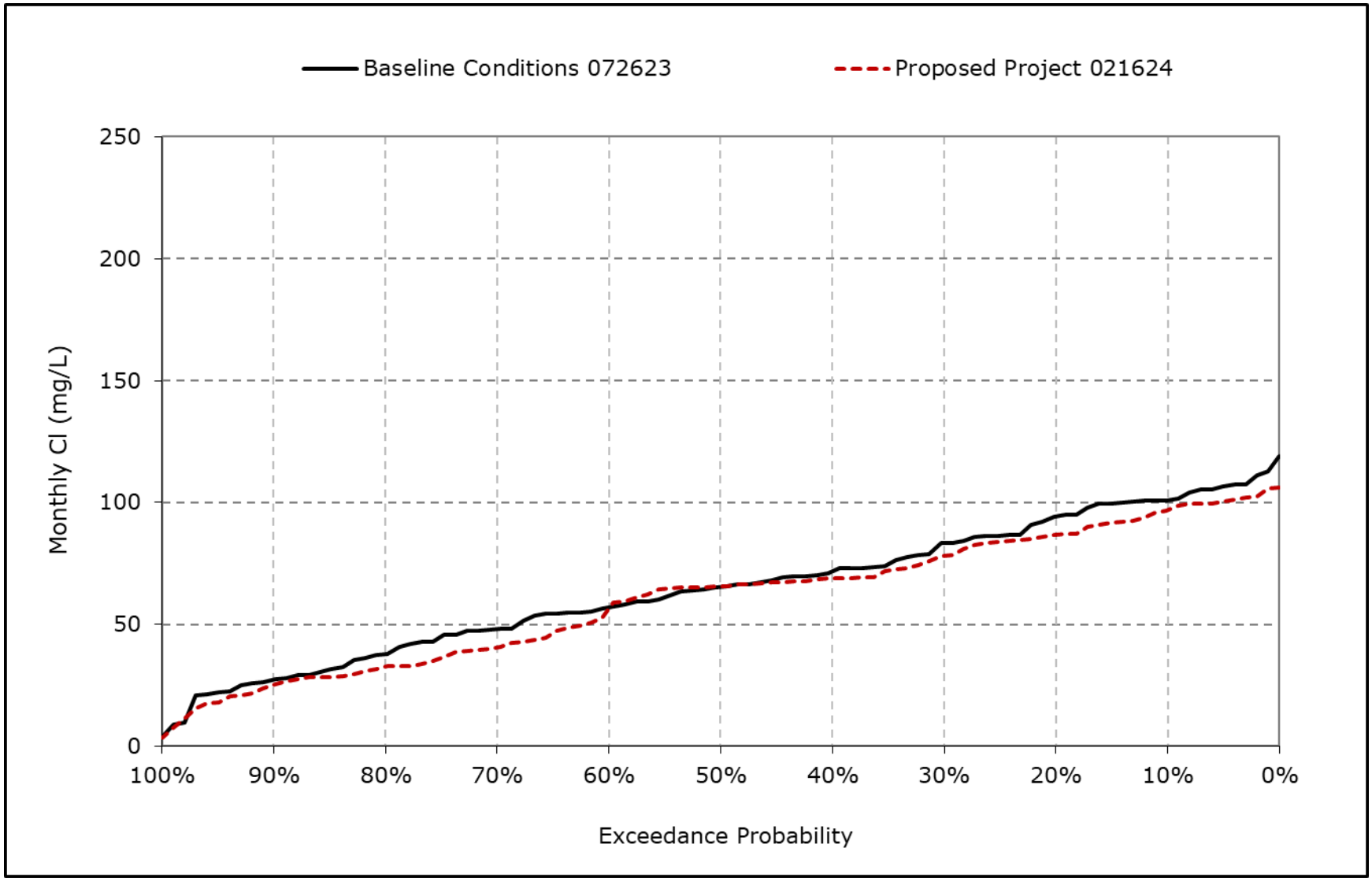
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-7m. Old River at Highway 4 Chloride, April Cl



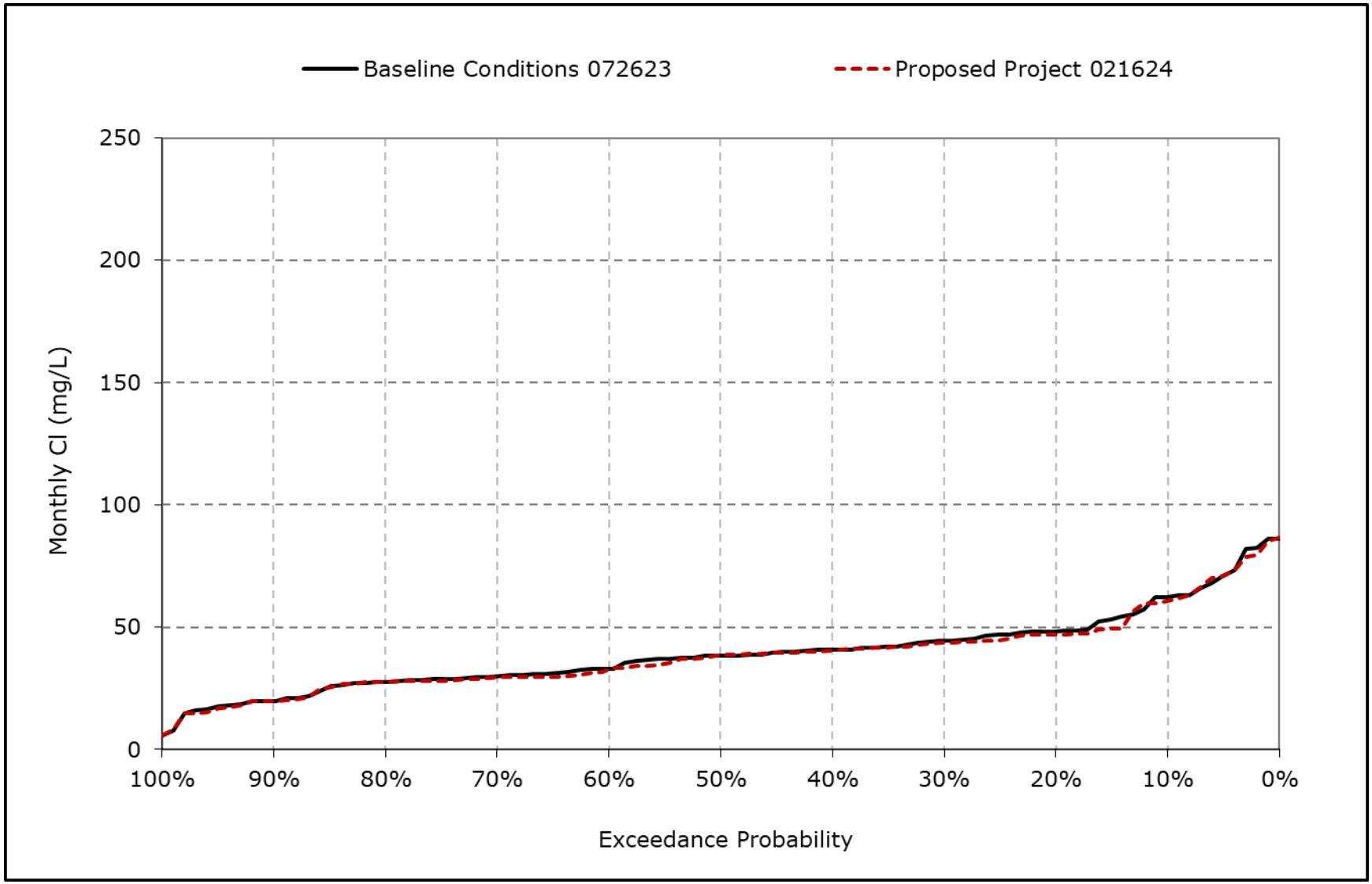
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-7n. Old River at Highway 4 Chloride, May Cl



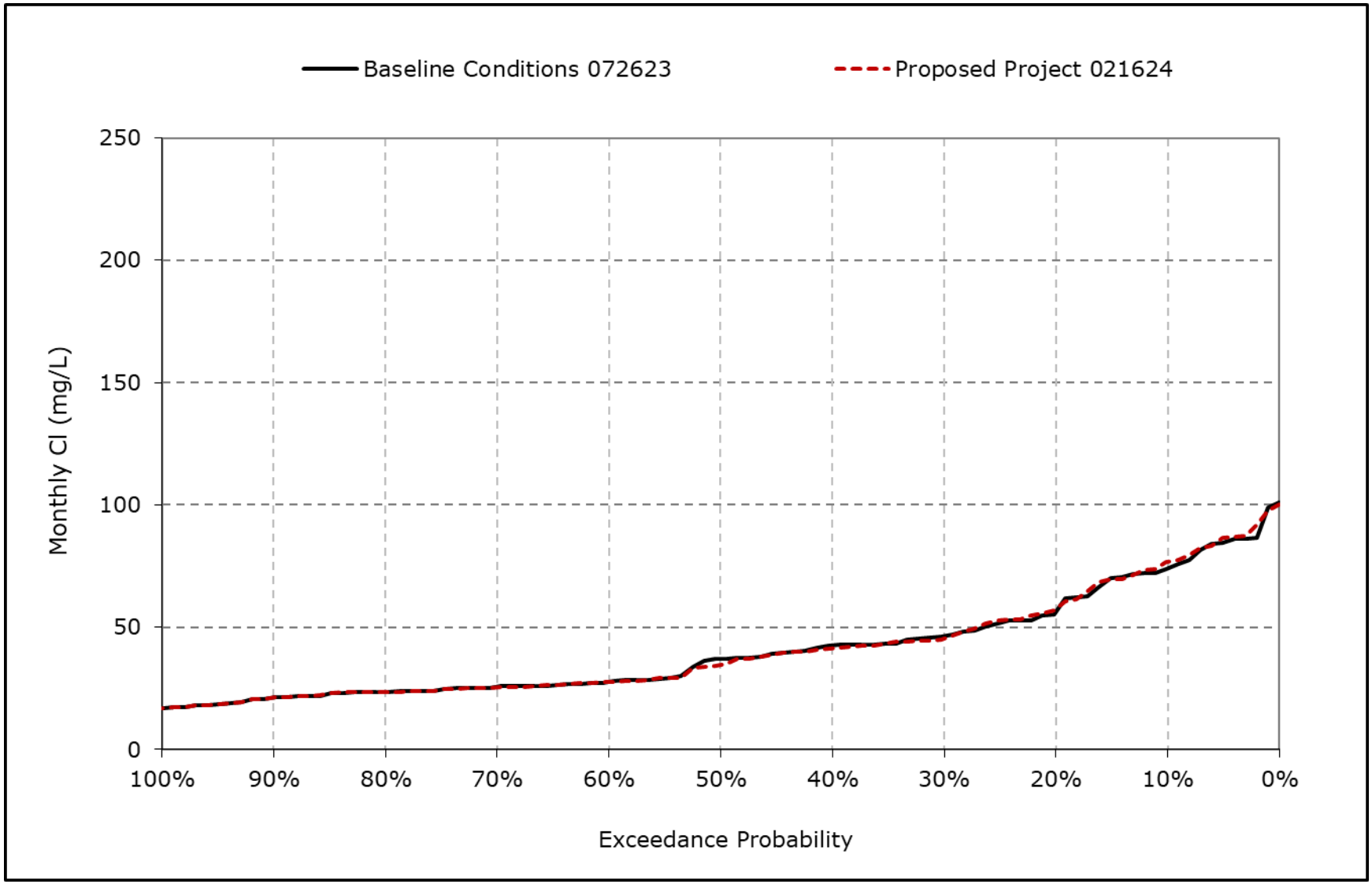
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-7o. Old River at Highway 4 Chloride, June Cl



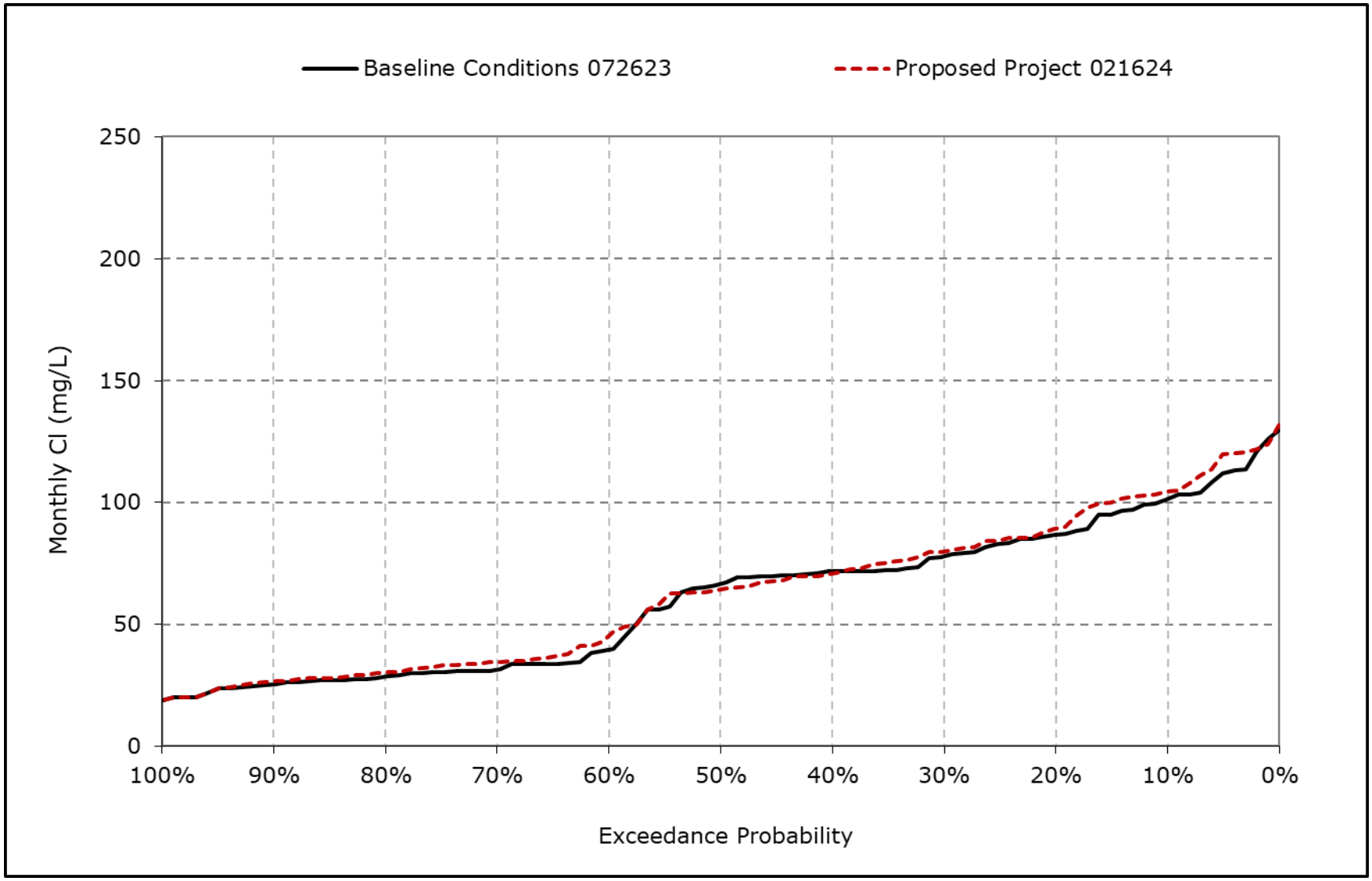
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-7p. Old River at Highway 4 Chloride, July Cl



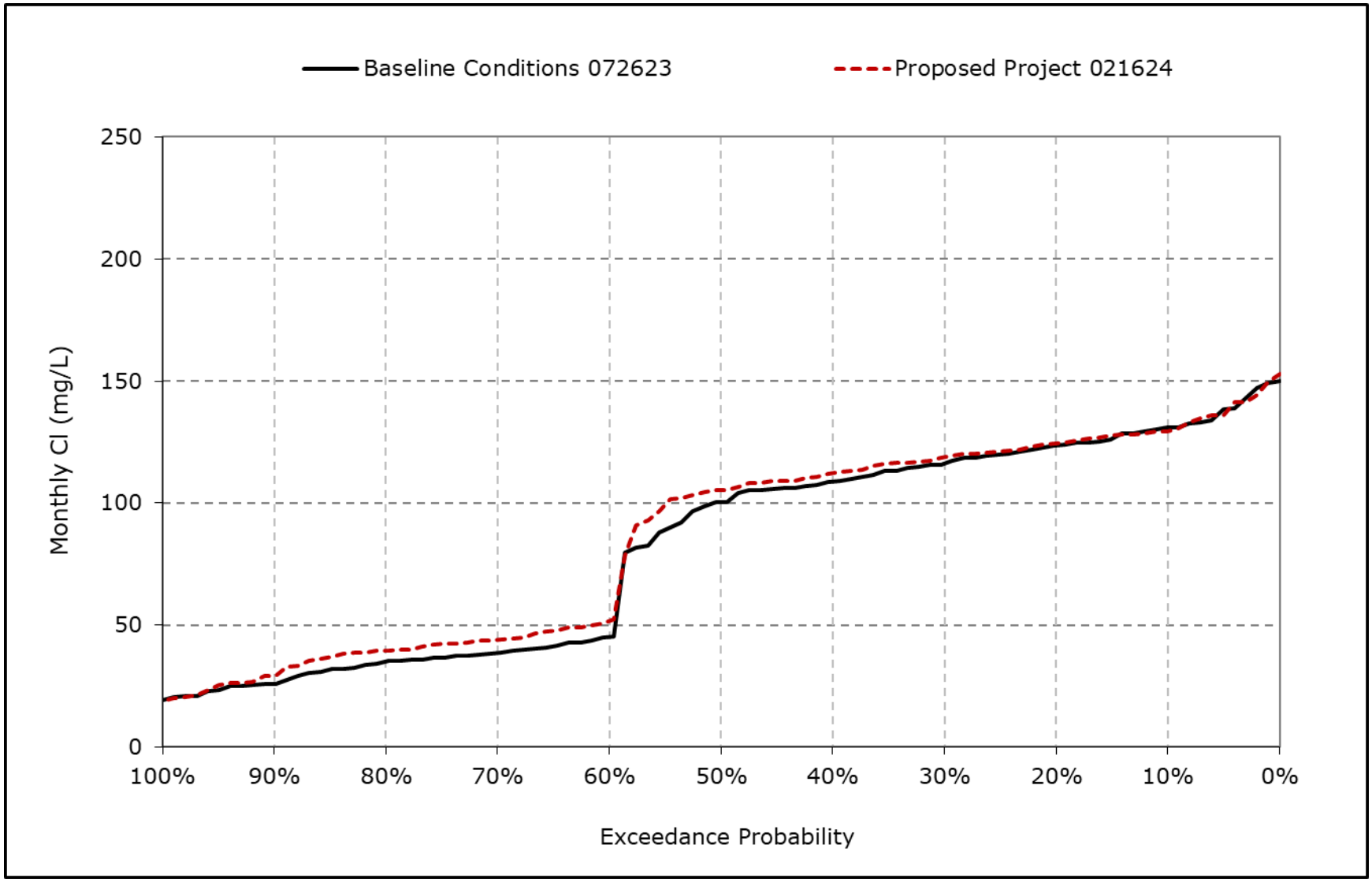
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-7q. Old River at Highway 4 Chloride, August Cl



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

Figure 4B-7-7r. Old River at Highway 4 Chloride, September Cl



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

Table 4B-7-8-1a. Victoria Canal Chloride, Baseline Conditions 072623, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	92	127	160	159	139	112	120	111	66	54	60	69
20% Exceedance	86	105	139	150	127	103	110	101	61	36	53	63
30% Exceedance	79	87	123	144	110	91	105	89	57	32	46	61
40% Exceedance	74	73	114	134	100	87	93	80	53	30	38	57
50% Exceedance	67	67	105	121	93	84	86	75	50	30	35	53
60% Exceedance	42	50	93	89	87	80	77	69	46	29	30	35
70% Exceedance	37	40	81	79	76	74	70	57	43	28	28	29
80% Exceedance	35	37	73	68	67	69	57	45	36	27	27	29
90% Exceedance	34	35	49	56	56	54	33	26	19	24	25	28
Full Simulation Period Average[a]	62	72	104	111	96	84	82	71	47	34	39	48
Wet Water Years (30%)	56	59	79	82	74	62	50	39	30	26	27	29
Above Normal Years (11%)	64	77	117	115	98	92	92	68	44	28	26	30
Below Normal Years (21%)	57	64	96	112	100	90	89	82	52	29	35	57
Dry Water Years (22%)	60	69	112	128	105	87	101	96	54	34	50	58
Critical Water Years (16%)	78	106	144	135	117	104	100	88	67	58	59	71

Table 4B-7-8-1b. Victoria Canal Chloride, Proposed Project 021624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	94	130	153	160	142	116	120	103	64	56	62	69
20% Exceedance	86	98	137	147	124	106	112	94	59	37	54	66
30% Exceedance	77	81	121	141	111	93	102	86	56	33	47	61
40% Exceedance	72	76	114	134	103	92	95	78	52	30	39	59
50% Exceedance	66	67	106	123	94	88	88	75	50	30	33	55
60% Exceedance	42	50	95	90	88	83	82	68	44	29	29	36
70% Exceedance	37	40	81	81	77	75	67	56	41	28	28	30
80% Exceedance	36	38	73	67	68	69	59	41	36	27	27	29
90% Exceedance	33	35	48	59	56	52	37	25	19	24	25	28
Full Simulation Period Average[a]	62	71	103	111	97	85	83	69	46	34	39	49
Wet Water Years (30%)	57	60	79	83	74	62	49	35	29	26	27	29
Above Normal Years (11%)	64	77	114	116	99	94	90	61	43	29	27	30
Below Normal Years (21%)	56	63	96	112	101	95	98	86	50	29	35	56
Dry Water Years (22%)	60	67	110	126	109	91	101	90	54	34	51	62
Critical Water Years (16%)	80	107	141	134	114	103	97	85	66	59	60	72

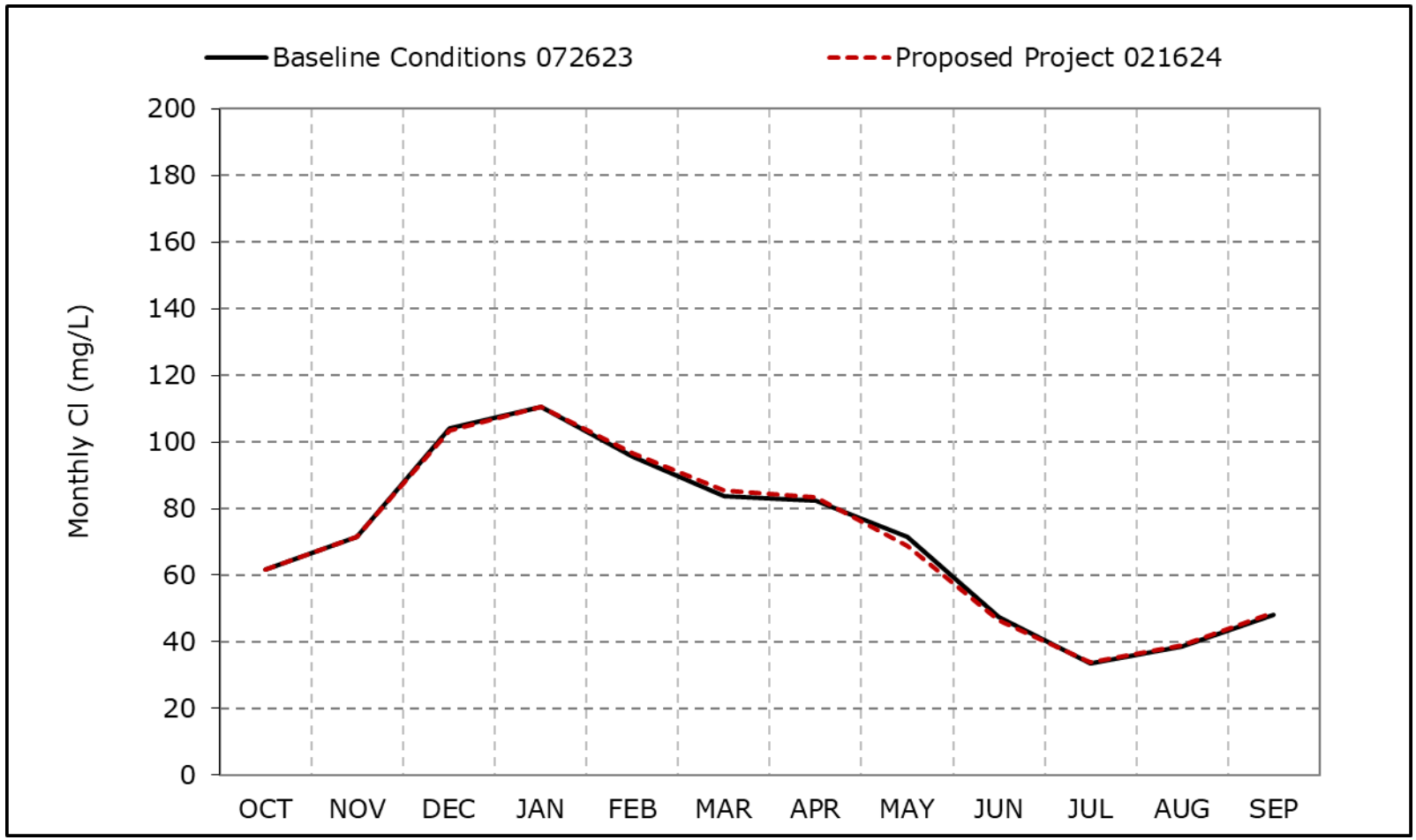
Table 4B-7-8-1c. Victoria Canal Chloride, Proposed Project 021624 minus Baseline Conditions 072623, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1	3	-7	1	3	4	0	-8	-2	1	1	0
20% Exceedance	0	-7	-1	-3	-3	3	1	-7	-2	1	2	2
30% Exceedance	-2	-6	-2	-3	1	2	-2	-3	-1	0	1	1
40% Exceedance	-3	2	0	0	3	4	2	-2	-1	0	1	2
50% Exceedance	-1	0	1	2	1	4	3	0	0	0	-1	1
60% Exceedance	-1	0	2	1	1	4	4	-1	-2	0	-1	1
70% Exceedance	0	0	1	2	1	1	-3	-1	-2	0	0	0
80% Exceedance	0	1	1	0	1	0	2	-4	0	0	0	0
90% Exceedance	0	0	-1	3	0	-2	4	-1	0	0	0	0
Full Simulation Period Average[a]	0	0	-1	0	1	2	1	-3	-1	0	0	1
Wet Water Years (30%)	0	1	0	1	0	0	-1	-4	-1	0	0	0
Above Normal Years (11%)	0	0	-3	2	1	3	-2	-7	-1	0	1	1
Below Normal Years (21%)	-1	-1	0	0	2	5	9	4	-2	0	0	-1
Dry Water Years (22%)	-1	-2	-1	-1	4	4	0	-6	0	1	2	3
Critical Water Years (16%)	2	1	-3	-1	-3	-2	-3	-3	-1	0	0	1

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

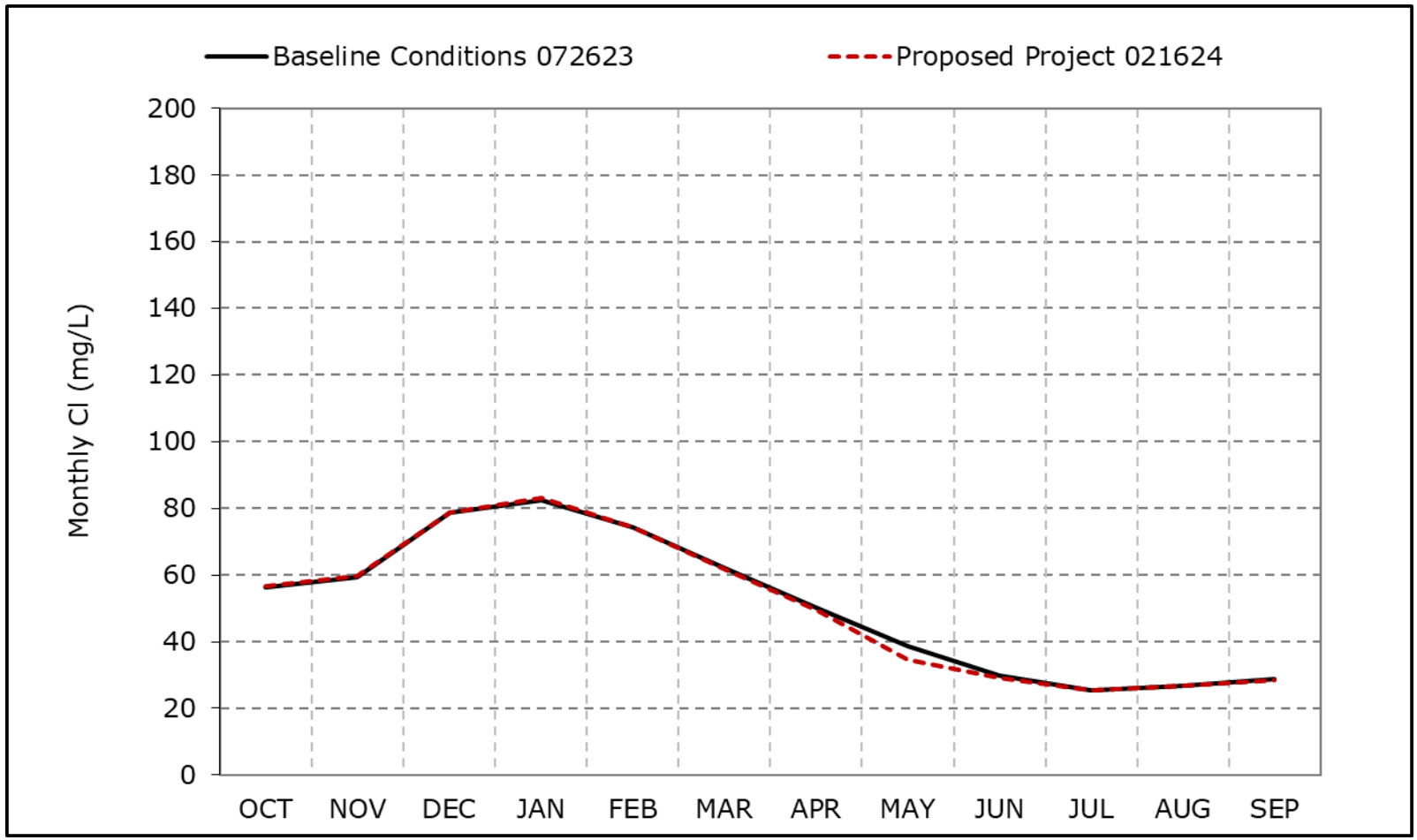
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-7-8a. Victoria Canal Chloride, Long-Term Average Cl



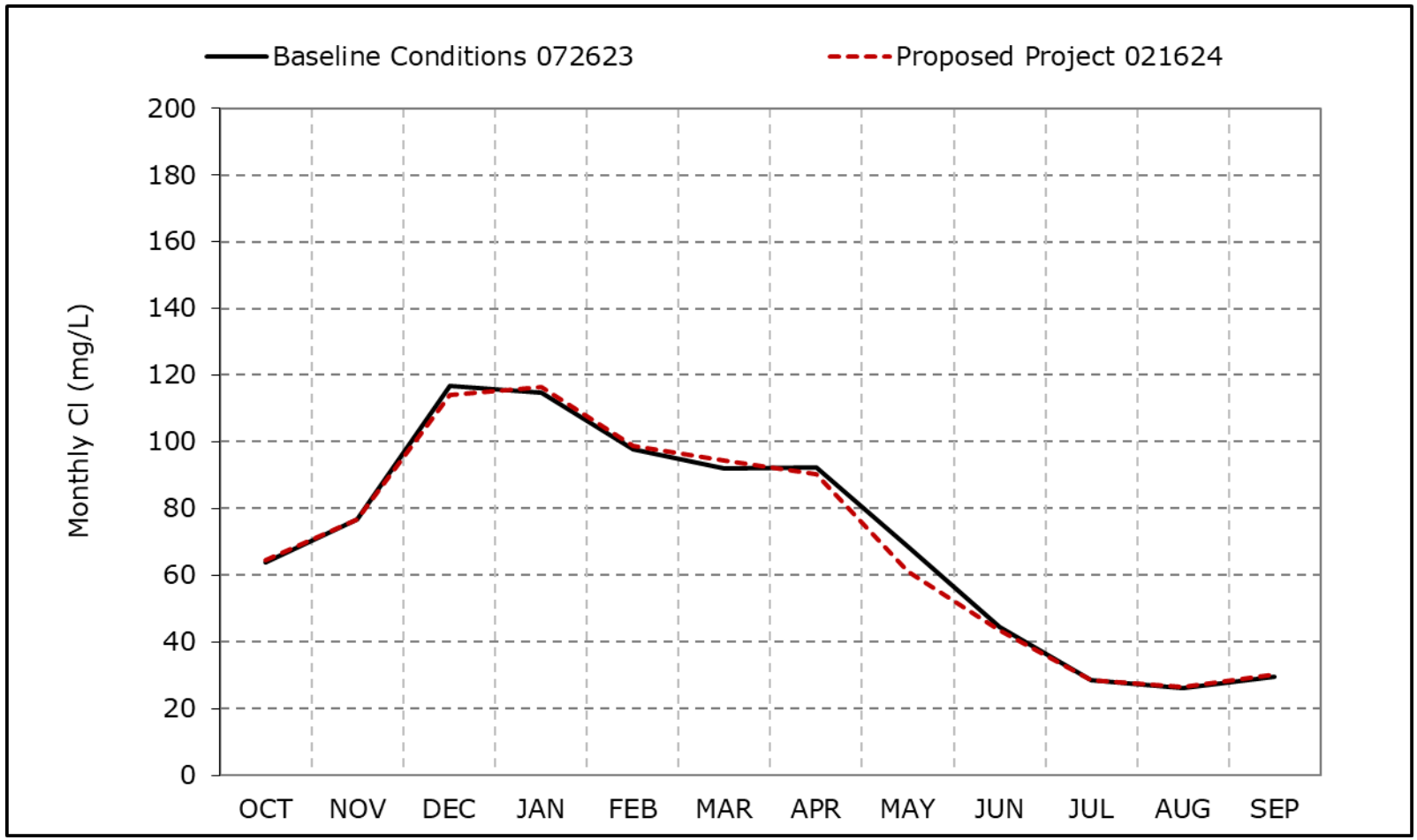
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-8b. Victoria Canal Chloride, Wet Year Average Cl



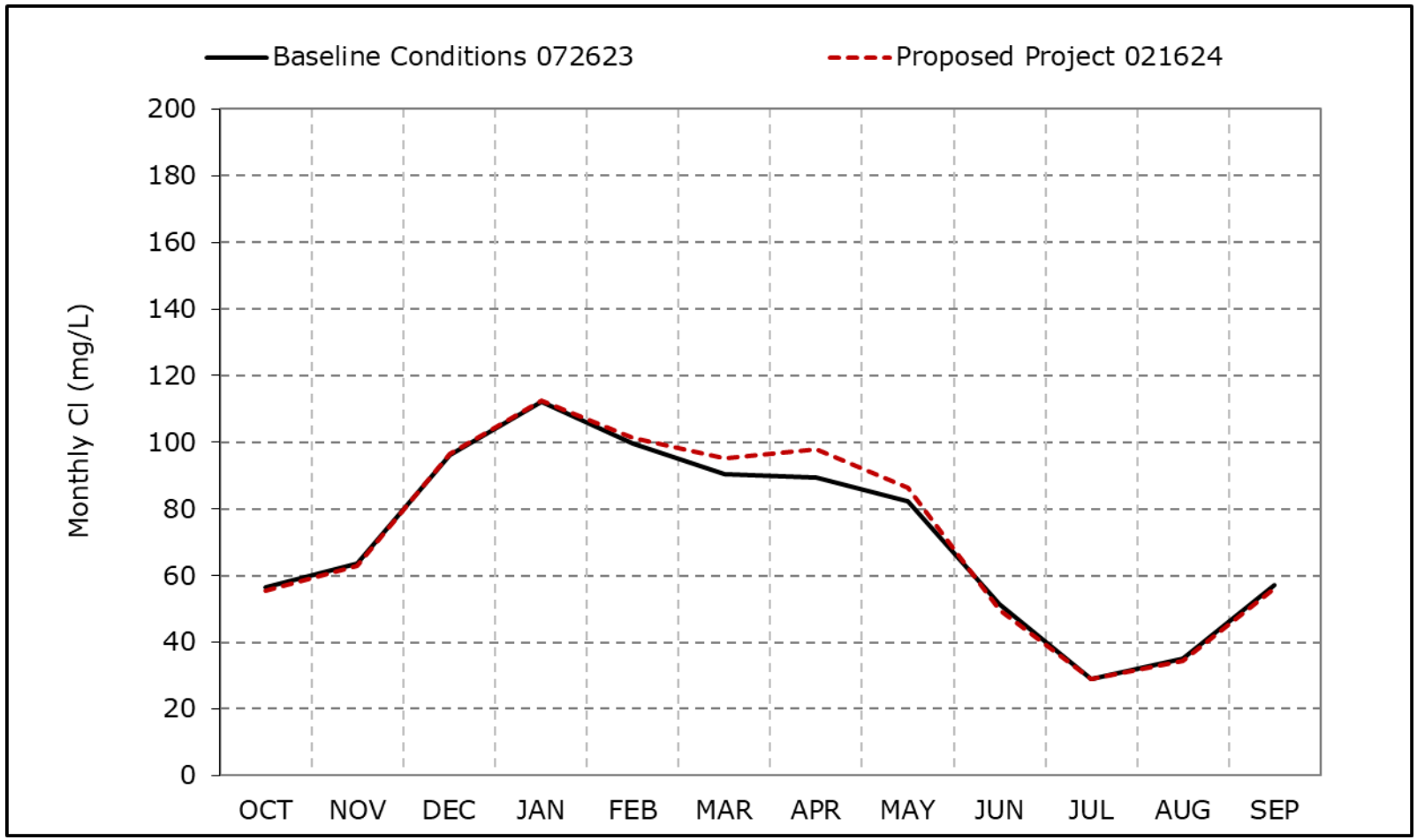
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-8c. Victoria Canal Chloride, Above Normal Year Average Cl



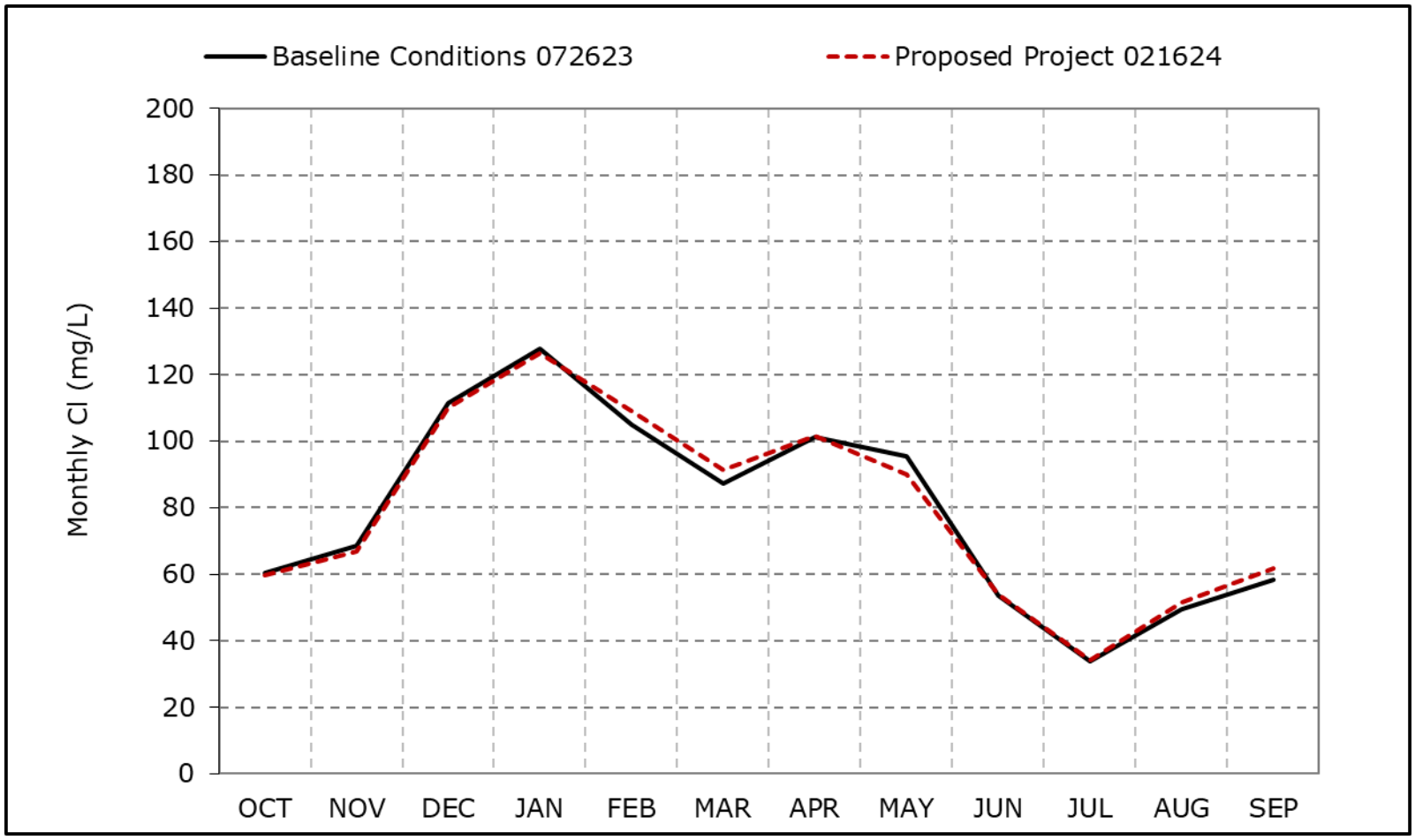
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-8d. Victoria Canal Chloride, Below Normal Year Average Cl



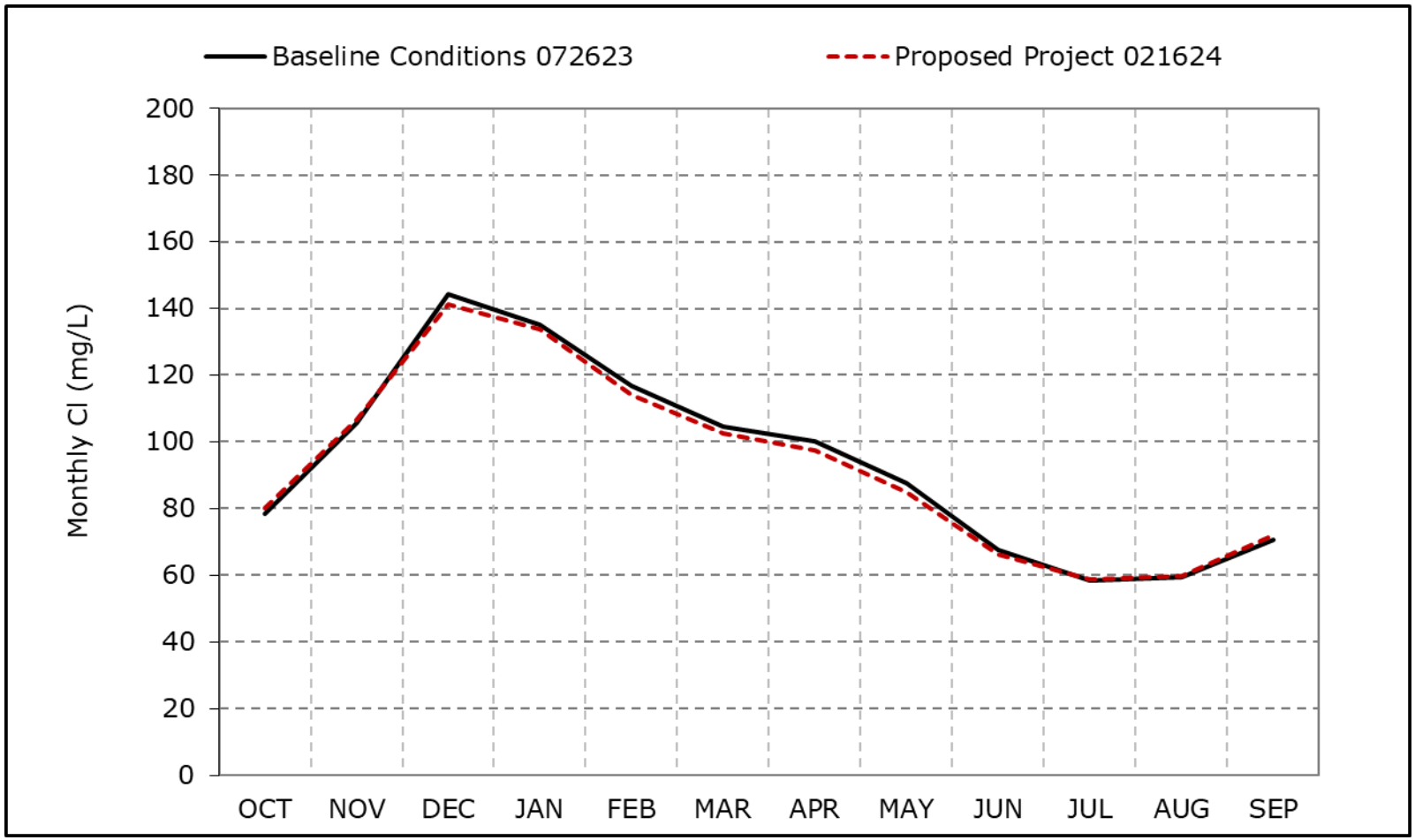
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-8e. Victoria Canal Chloride, Dry Year Average Cl



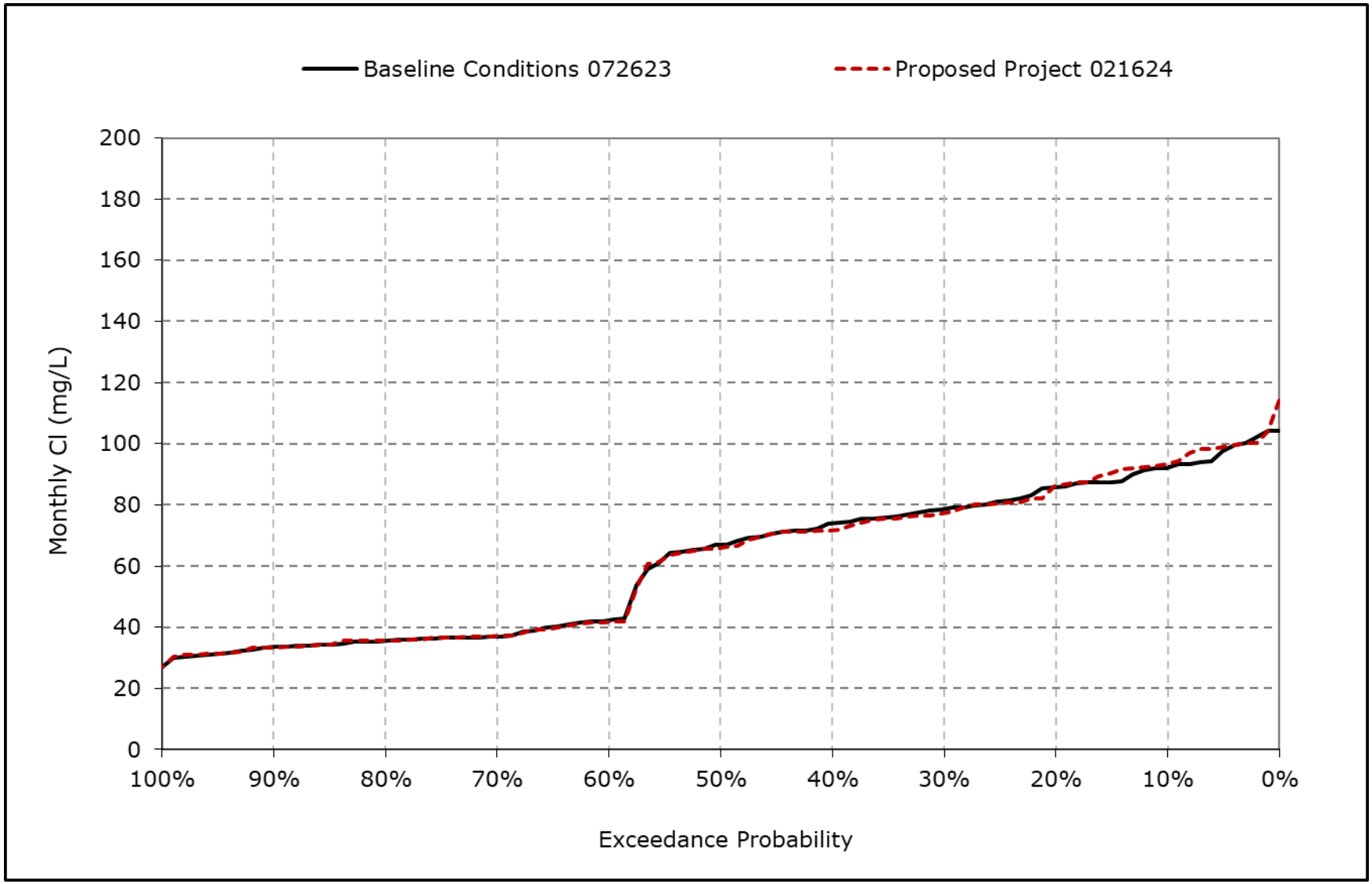
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-8f. Victoria Canal Chloride, Critical Year Average Cl



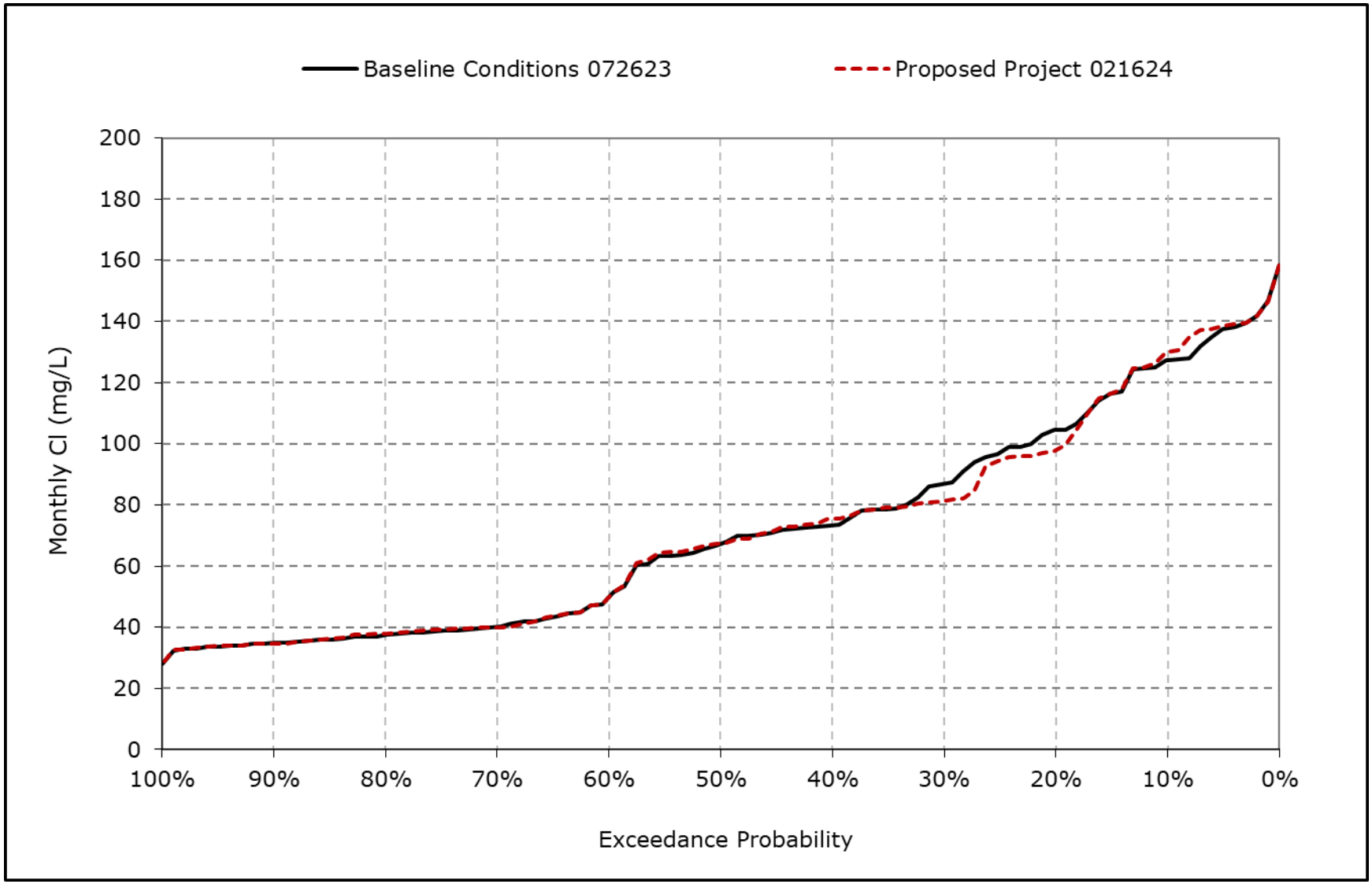
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-8g. Victoria Canal Chloride, October Cl



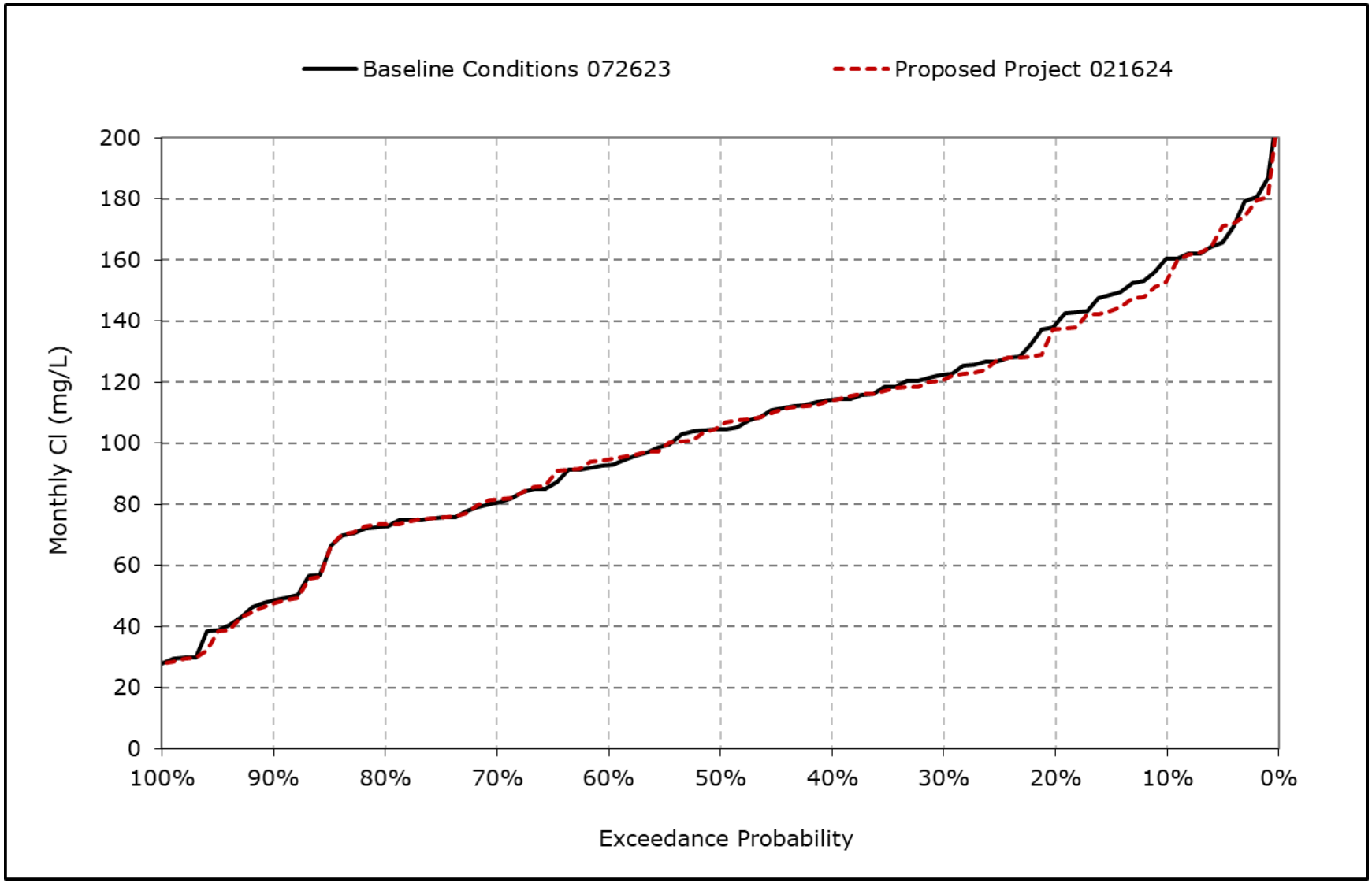
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-8h. Victoria Canal Chloride, November Cl



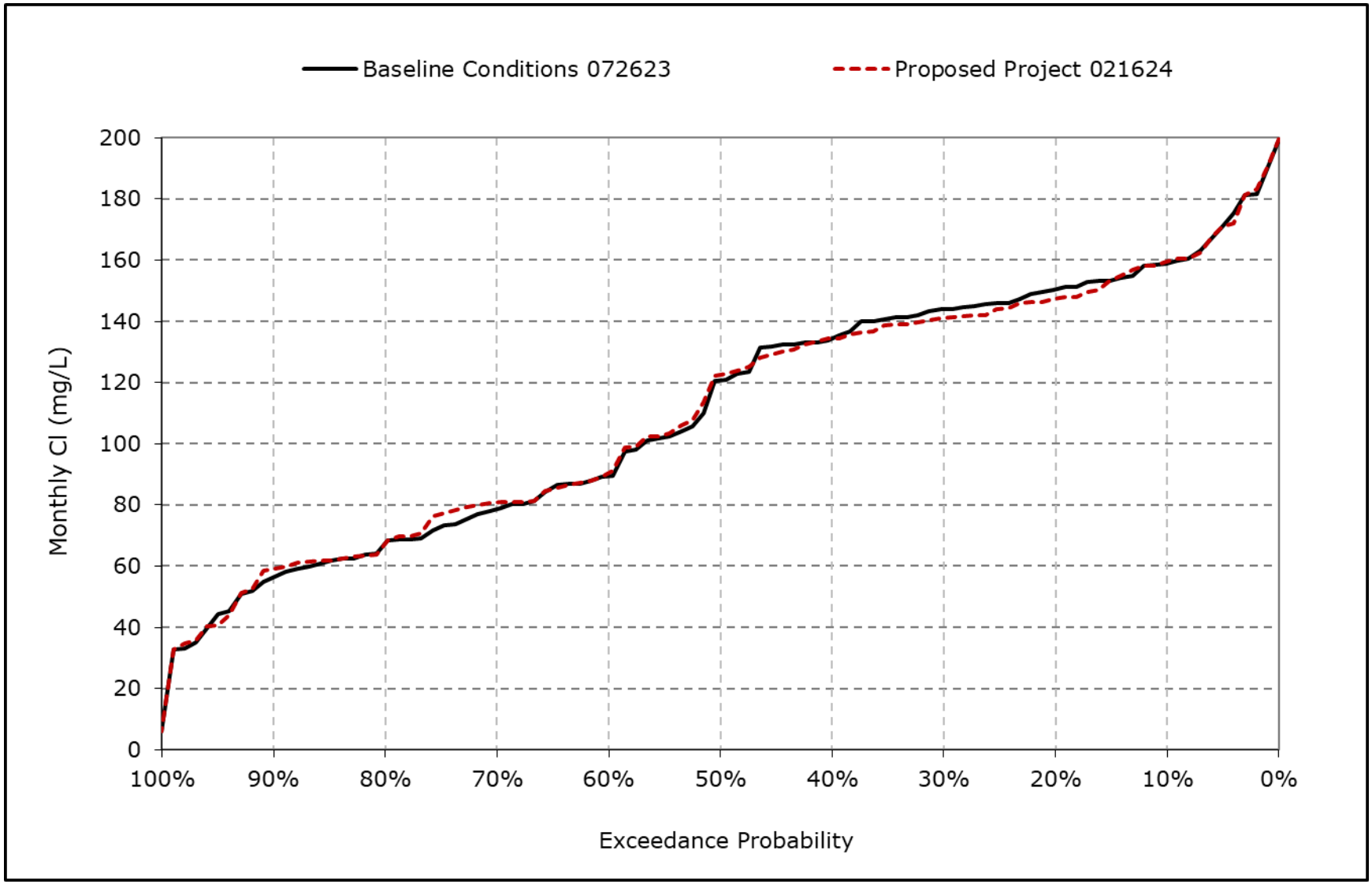
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-8i. Victoria Canal Chloride, December Cl



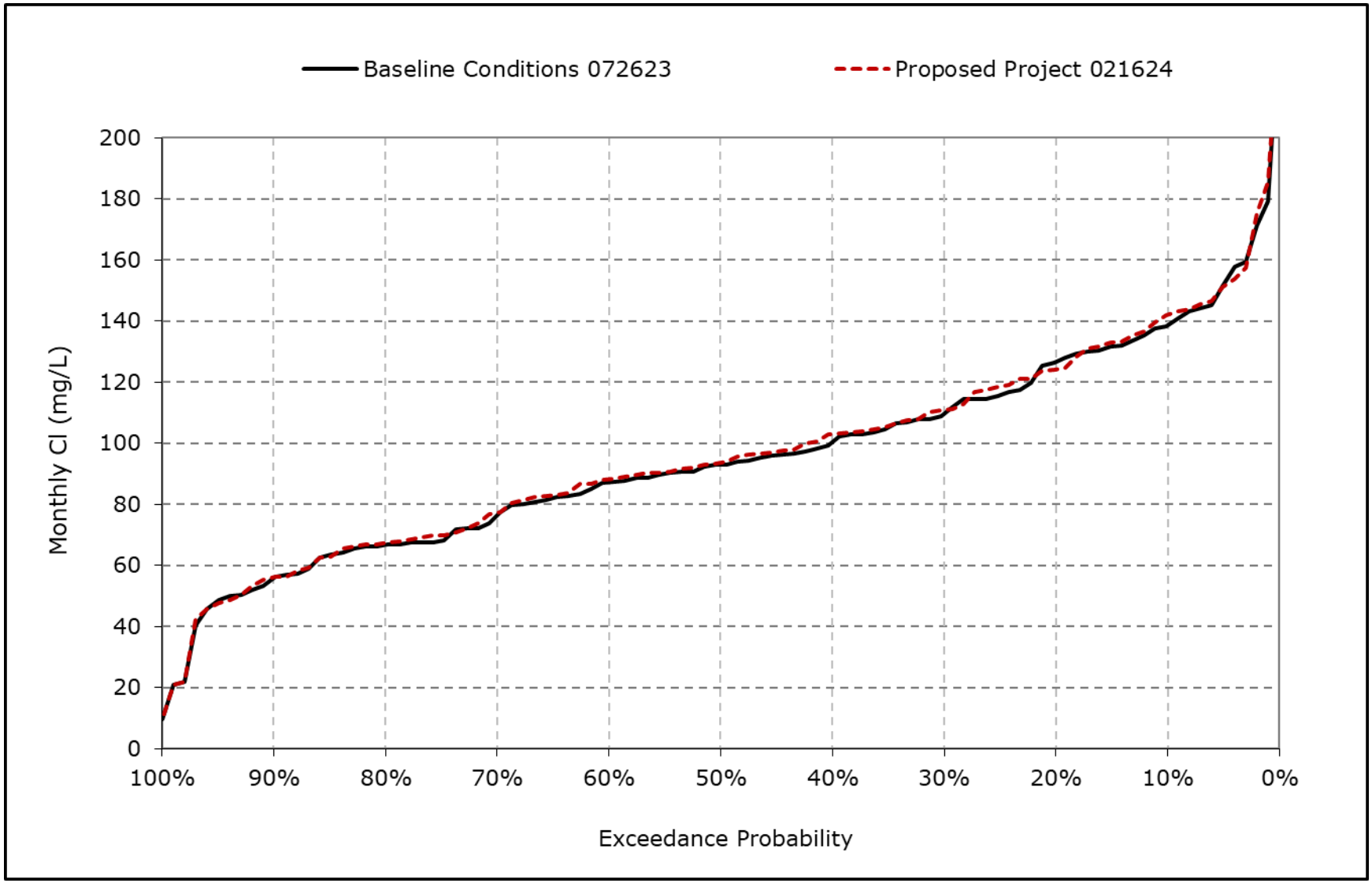
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-8j. Victoria Canal Chloride, January Cl



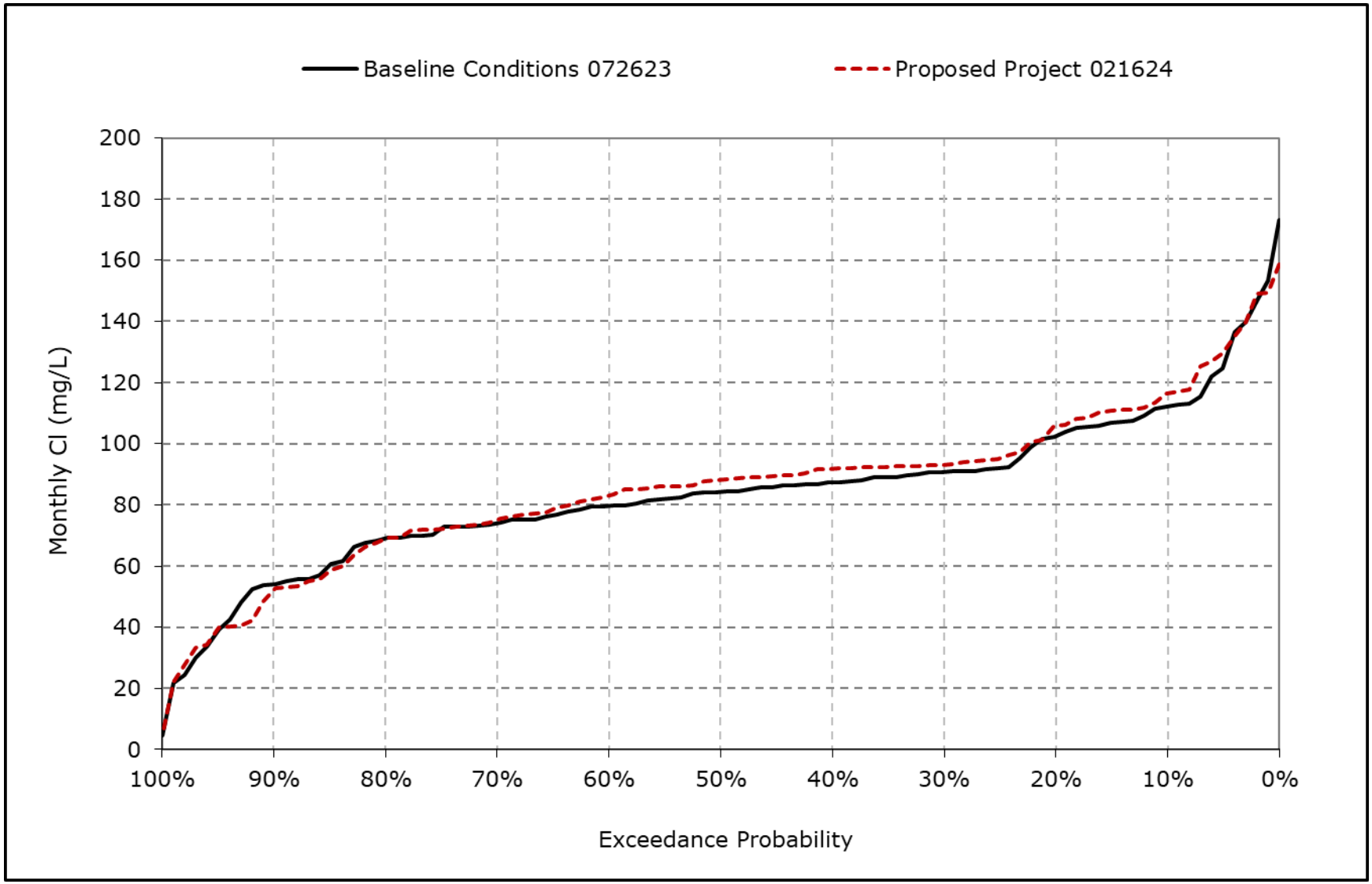
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-8k. Victoria Canal Chloride, February Cl



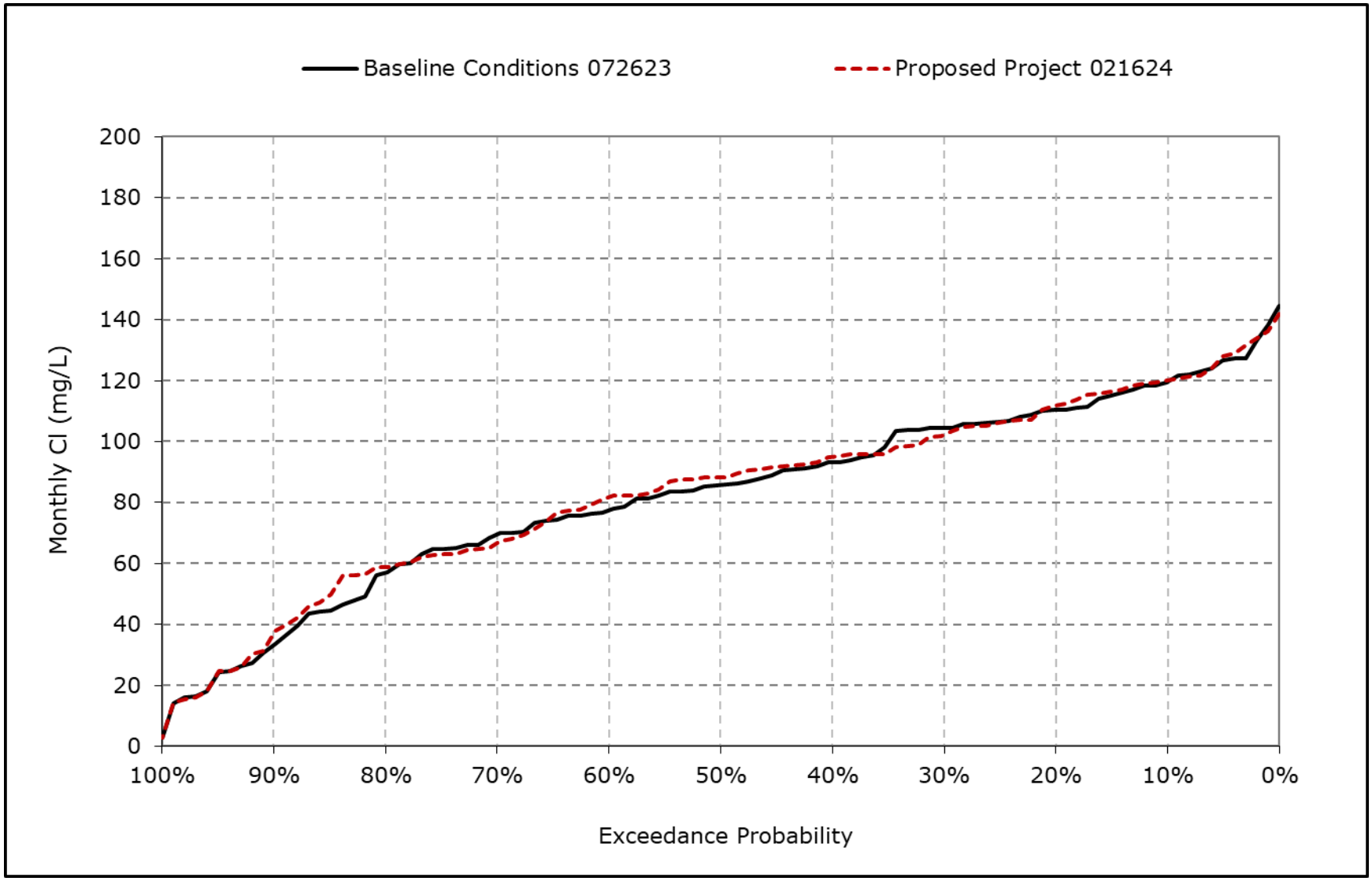
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-8l. Victoria Canal Chloride, March Cl



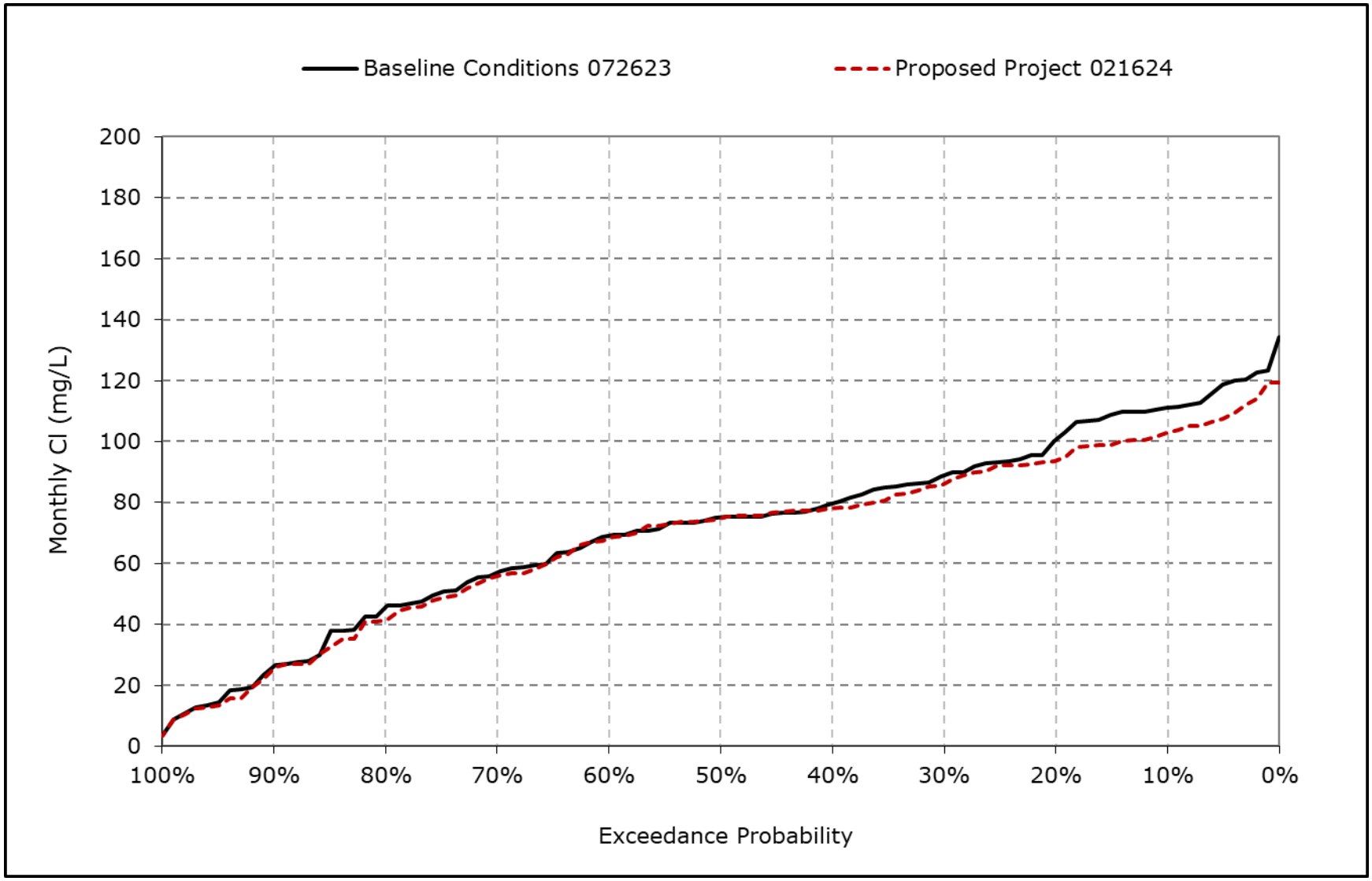
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-8m. Victoria Canal Chloride, April Cl



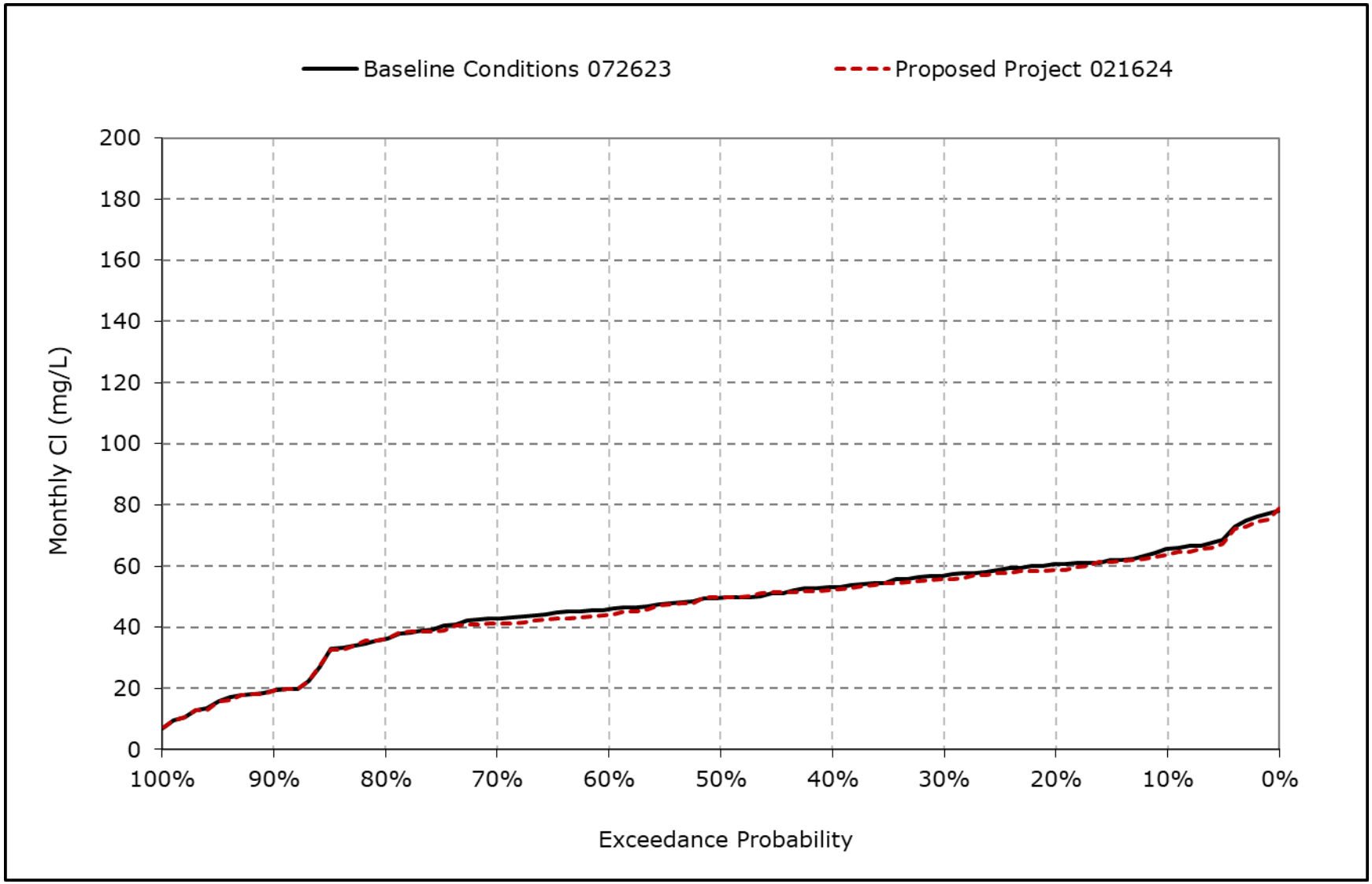
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-8n. Victoria Canal Chloride, May Cl



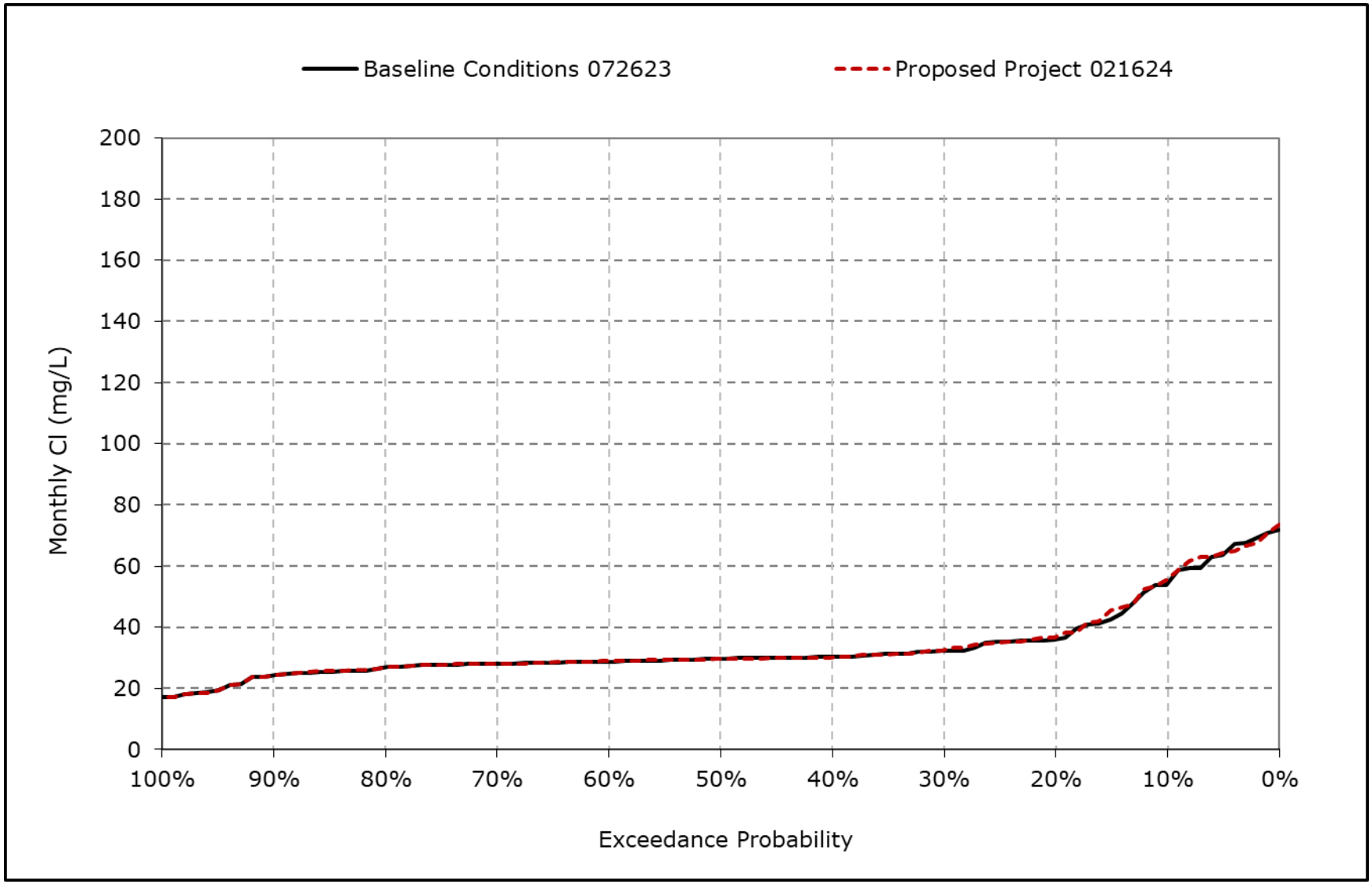
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-8o. Victoria Canal Chloride, June Cl



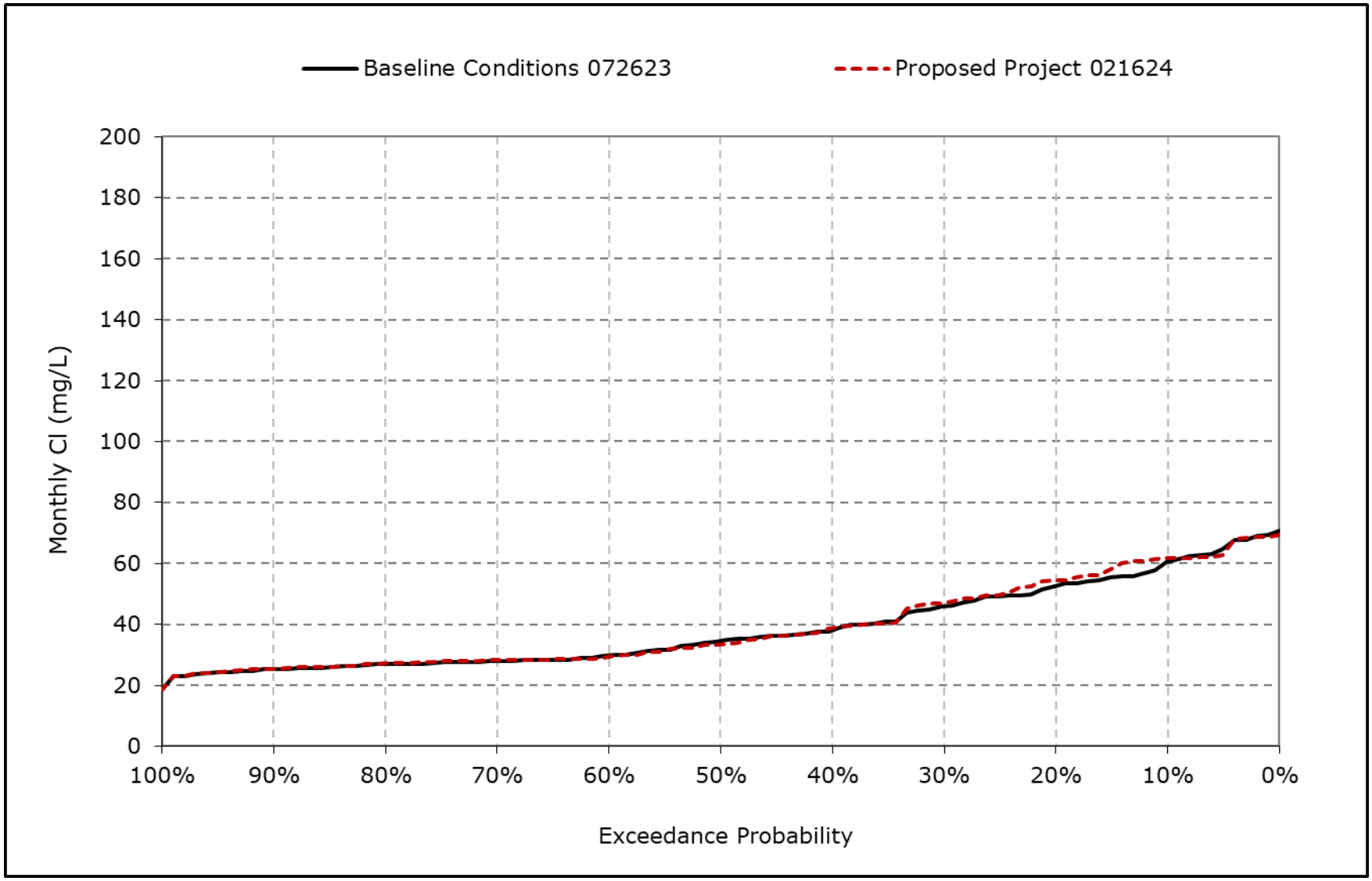
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-8p. Victoria Canal Chloride, July Cl



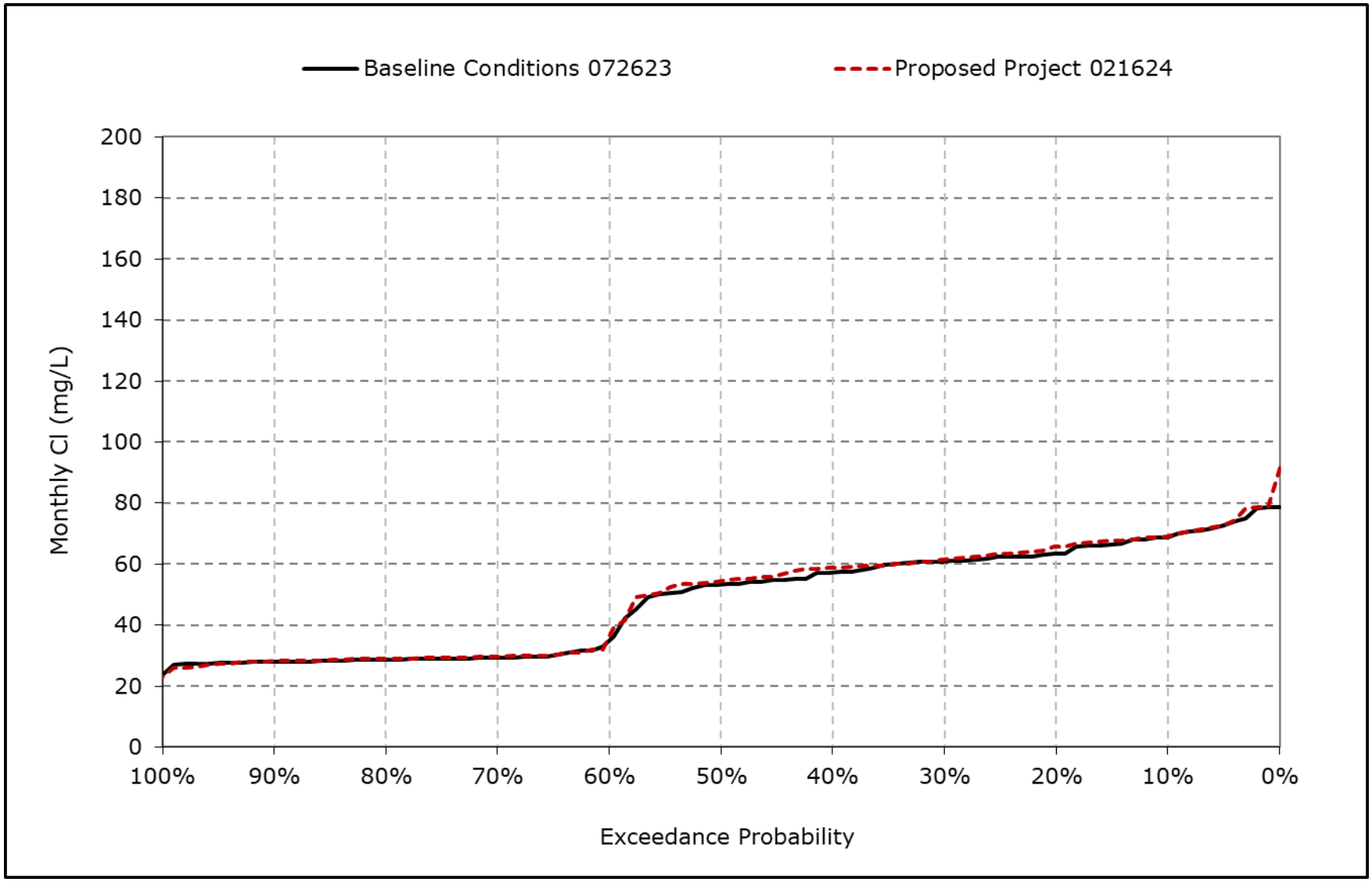
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-8q. Victoria Canal Chloride, August Cl



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

Figure 4B-7-8r. Victoria Canal Chloride, September Cl



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

Table 4B-7-9-1a. Contra Costa Pumping Plant Chloride, Baseline Conditions 072623, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	187	229	268	225	132	60	70	72	47	87	122	160
20% Exceedance	175	195	254	203	85	48	63	63	33	66	101	151
30% Exceedance	162	164	239	171	62	41	54	56	30	50	91	143
40% Exceedance	155	145	217	145	49	37	49	47	29	44	87	134
50% Exceedance	137	134	192	91	42	34	43	42	28	39	80	122
60% Exceedance	26	68	132	58	38	32	40	38	25	26	45	49
70% Exceedance	24	49	104	37	33	30	37	31	23	23	34	41
80% Exceedance	23	37	67	29	27	28	32	26	22	20	28	35
90% Exceedance	21	27	31	25	25	27	28	21	17	18	24	24
Full Simulation Period Average[a]	106	120	166	112	61	40	48	45	30	43	70	98
Wet Water Years (30%)	94	93	93	49	37	33	31	24	20	20	28	32
Above Normal Years (11%)	107	133	176	86	41	38	50	36	24	23	33	37
Below Normal Years (21%)	90	97	170	127	54	36	60	61	28	40	86	153
Dry Water Years (22%)	101	119	206	159	76	40	50	55	30	64	109	132
Critical Water Years (16%)	153	193	236	166	108	63	58	58	56	75	100	143

Table 4B-7-9-1b. Contra Costa Pumping Plant Chloride, Proposed Project 021624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	192	230	268	216	129	58	69	63	48	86	132	159
20% Exceedance	180	190	251	192	79	48	62	56	30	68	106	150
30% Exceedance	160	161	236	164	64	43	55	51	29	49	94	146
40% Exceedance	149	145	216	138	47	38	48	45	28	44	86	137
50% Exceedance	140	135	187	96	42	37	45	41	27	34	78	127
60% Exceedance	28	65	140	58	38	34	41	33	24	26	52	59
70% Exceedance	25	49	102	40	33	32	36	28	23	23	39	48
80% Exceedance	24	38	70	29	27	28	31	24	21	20	33	42
90% Exceedance	22	27	31	25	25	26	27	19	17	18	25	29
Full Simulation Period Average[a]	107	120	165	110	59	40	46	40	30	43	73	102
Wet Water Years (30%)	96	95	95	49	37	33	31	21	19	20	30	38
Above Normal Years (11%)	108	131	177	89	40	38	45	31	24	23	39	44
Below Normal Years (21%)	88	96	170	124	53	39	62	52	27	39	84	149
Dry Water Years (22%)	100	117	203	155	76	40	48	50	29	65	117	141
Critical Water Years (16%)	159	193	230	157	96	58	54	54	56	76	101	146

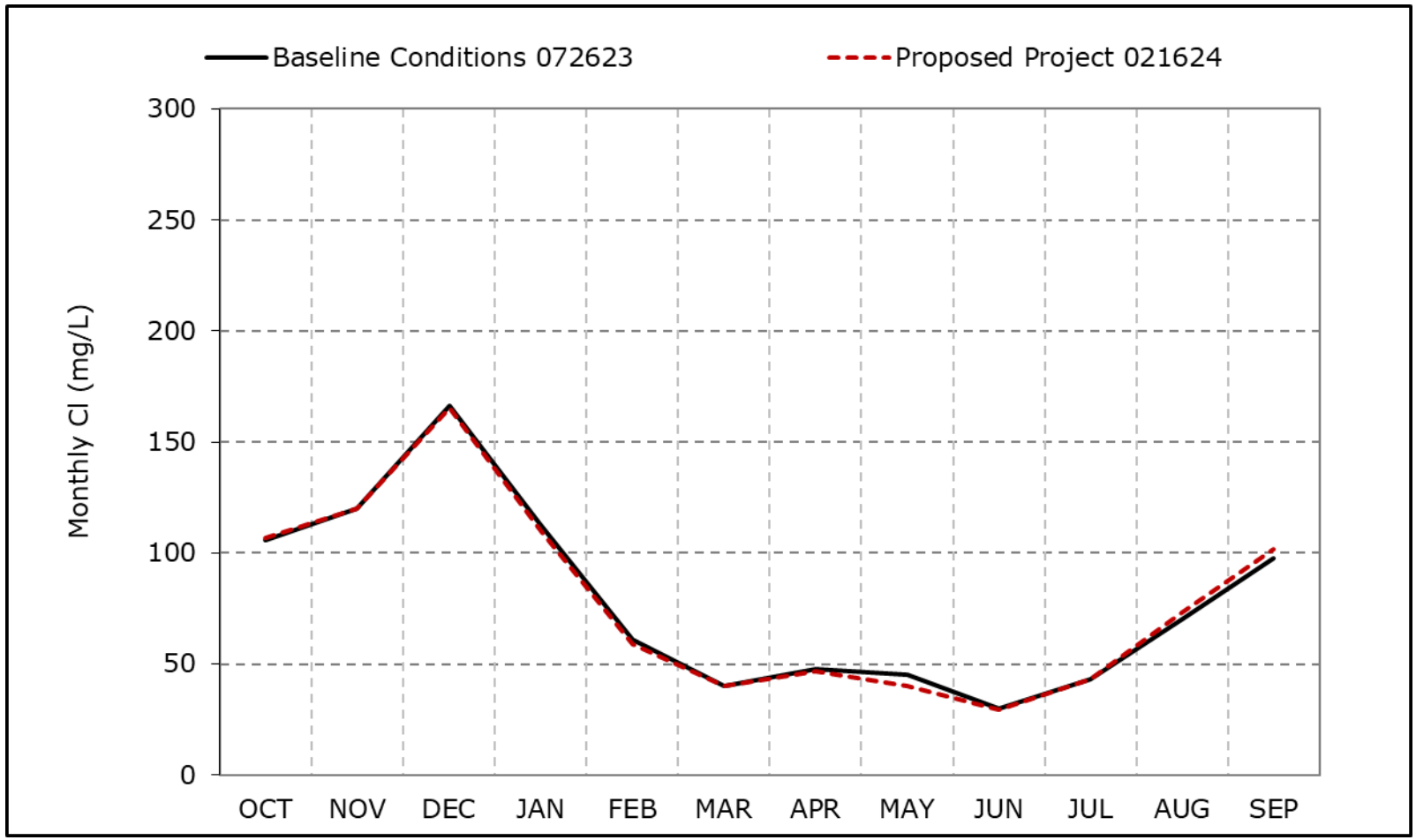
Table 4B-7-9-1c. Contra Costa Pumping Plant Chloride, Proposed Project 021624 minus Baseline Conditions 072623, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	5	1	0	-8	-4	-2	-1	-9	0	-1	9	-1
20% Exceedance	6	-5	-4	-11	-6	0	-1	-7	-2	2	5	0
30% Exceedance	-3	-4	-3	-7	2	1	1	-5	0	-1	3	4
40% Exceedance	-6	0	-1	-7	-2	1	-1	-2	0	0	-1	3
50% Exceedance	3	0	-5	4	0	3	2	-2	-1	-5	-2	5
60% Exceedance	2	-2	8	-1	-1	2	1	-5	-1	0	6	10
70% Exceedance	1	-1	-2	3	0	2	-1	-3	0	0	5	7
80% Exceedance	1	1	3	0	0	0	-1	-3	0	0	5	7
90% Exceedance	1	0	0	0	0	-1	-1	-1	0	0	1	5
Full Simulation Period Average[a]	1	0	-1	-3	-2	0	-1	-5	0	0	3	4
Wet Water Years (30%)	2	2	1	0	0	0	0	-2	0	0	2	5
Above Normal Years (11%)	2	-1	1	3	-1	0	-5	-5	0	0	5	7
Below Normal Years (21%)	-2	-1	1	-3	0	3	2	-9	-1	-2	-2	-4
Dry Water Years (22%)	-2	-2	-3	-3	0	0	-1	-5	0	1	8	10
Critical Water Years (16%)	6	0	-5	-10	-11	-5	-3	-4	0	1	1	3

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

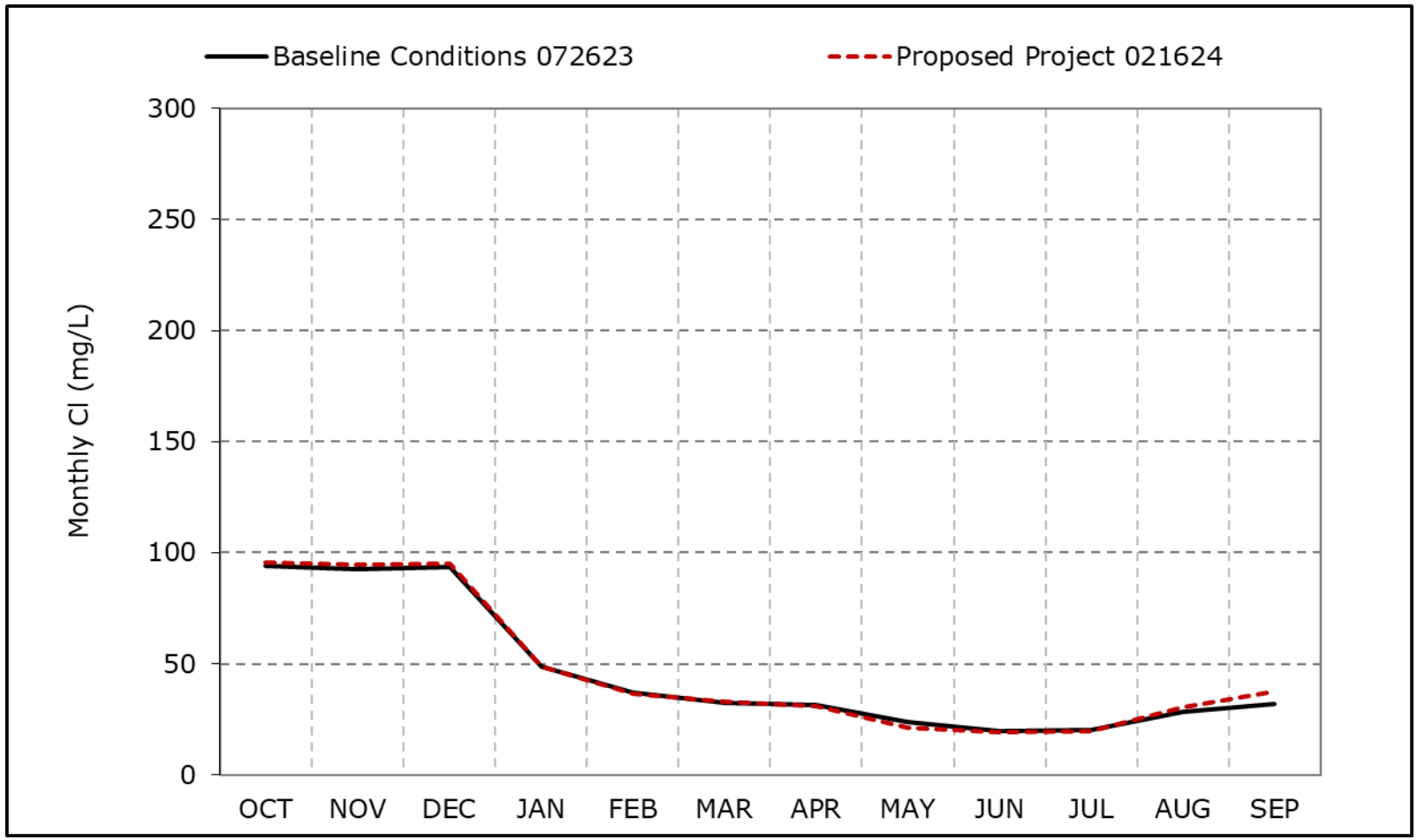
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-7-9a. Contra Costa Pumping Plant Chloride, Long-Term Average Cl



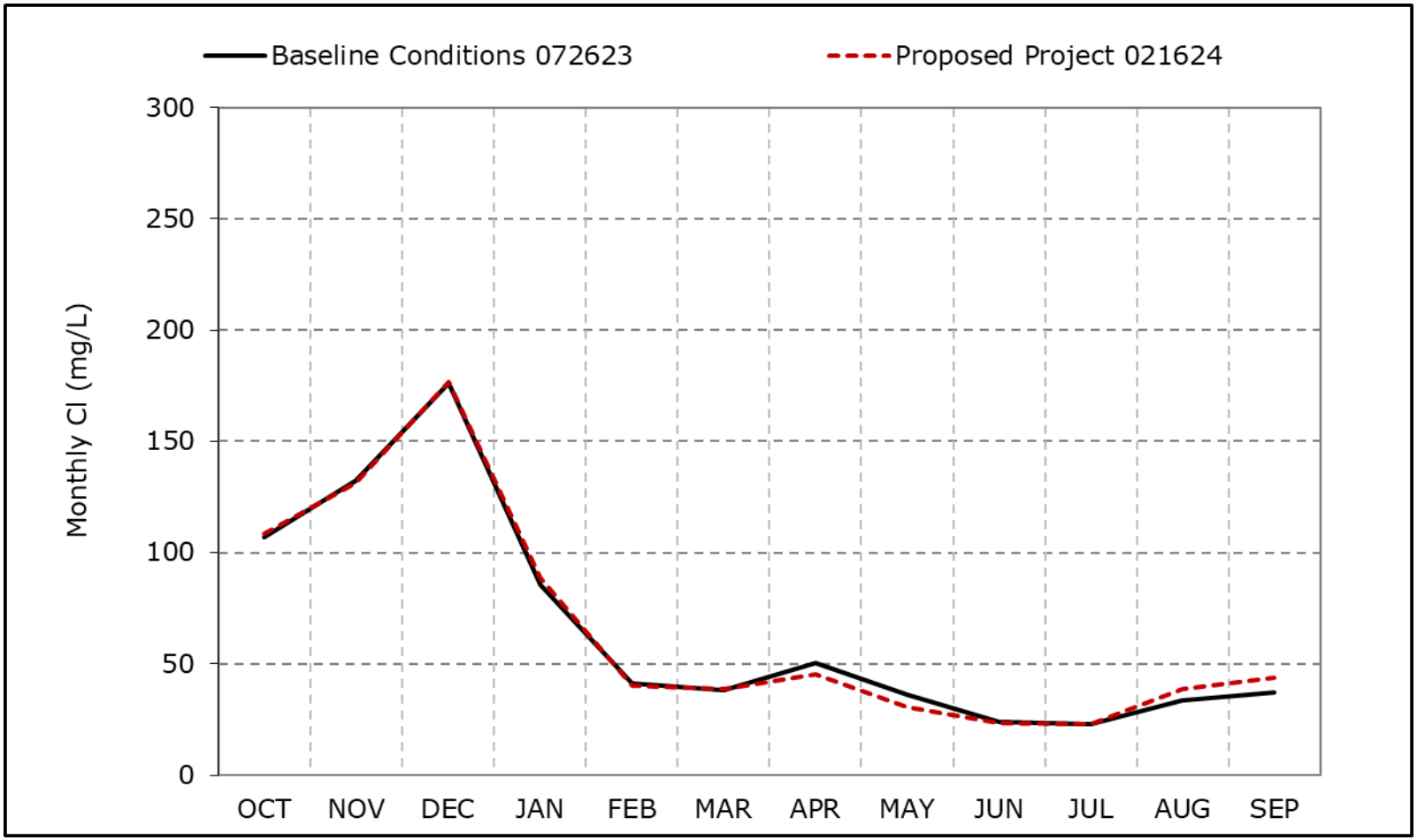
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-9b. Contra Costa Pumping Plant Chloride, Wet Year Average Cl



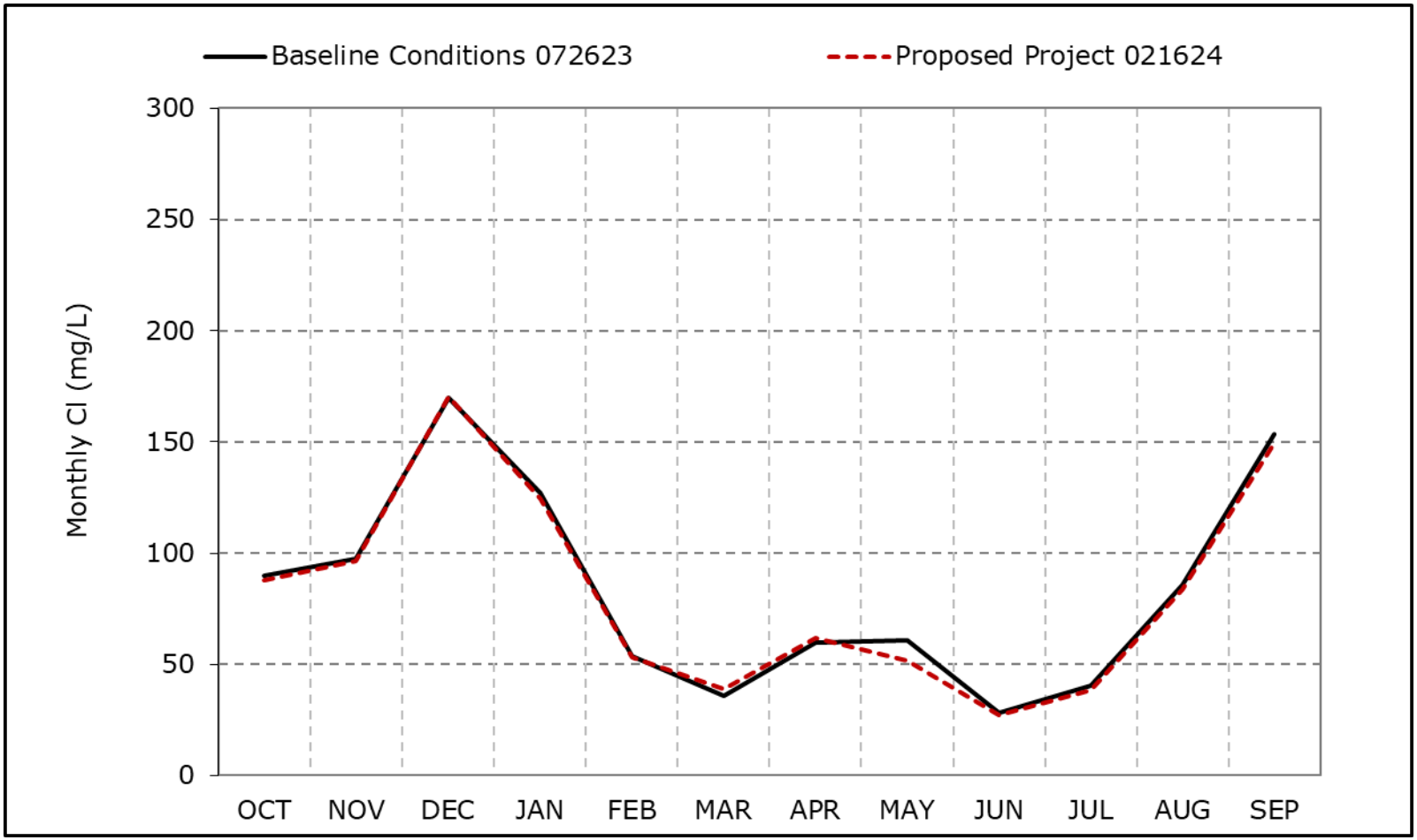
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-9c. Contra Costa Pumping Plant Chloride, Above Normal Year Average Cl



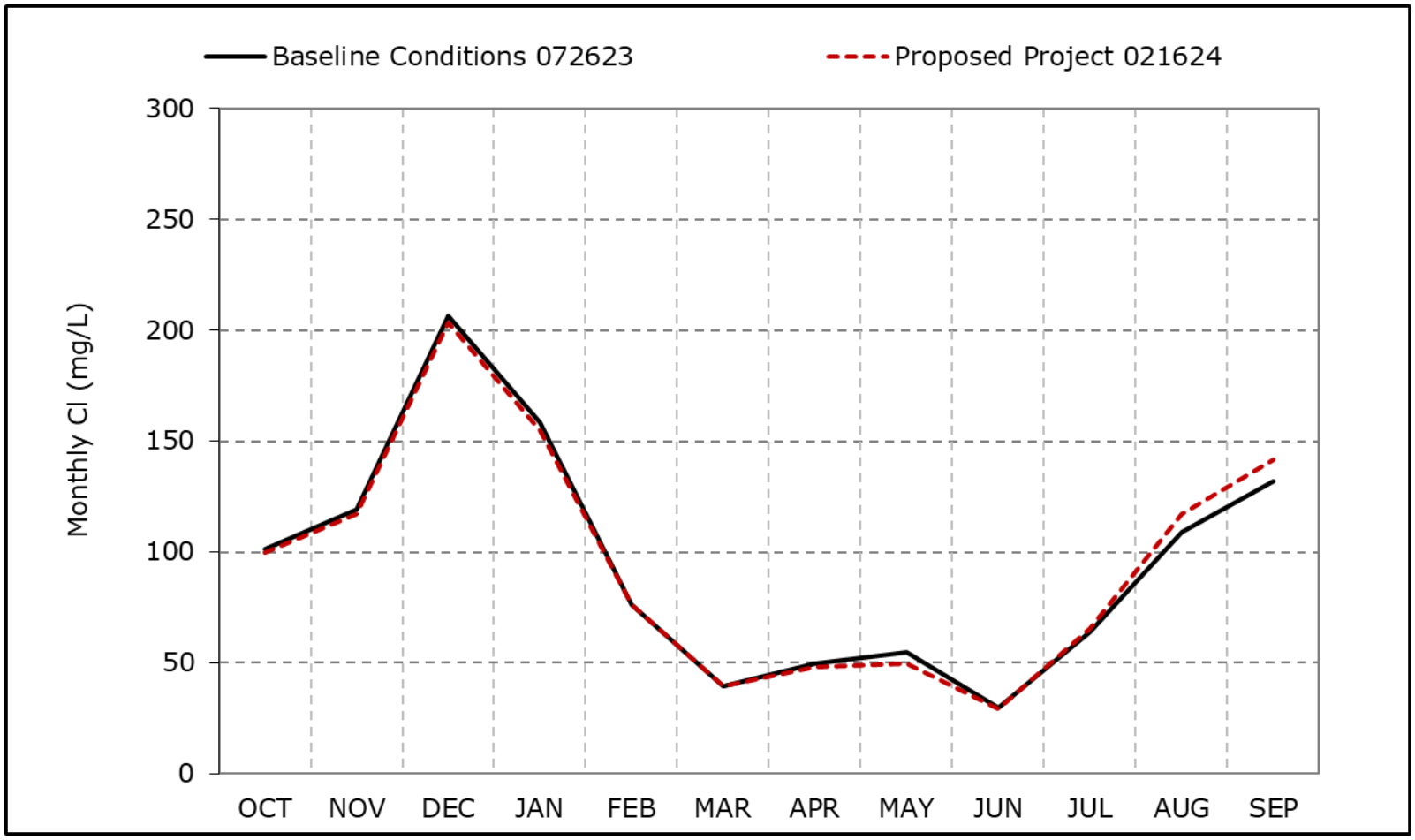
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-9d. Contra Costa Pumping Plant Chloride, Below Normal Year Average Cl



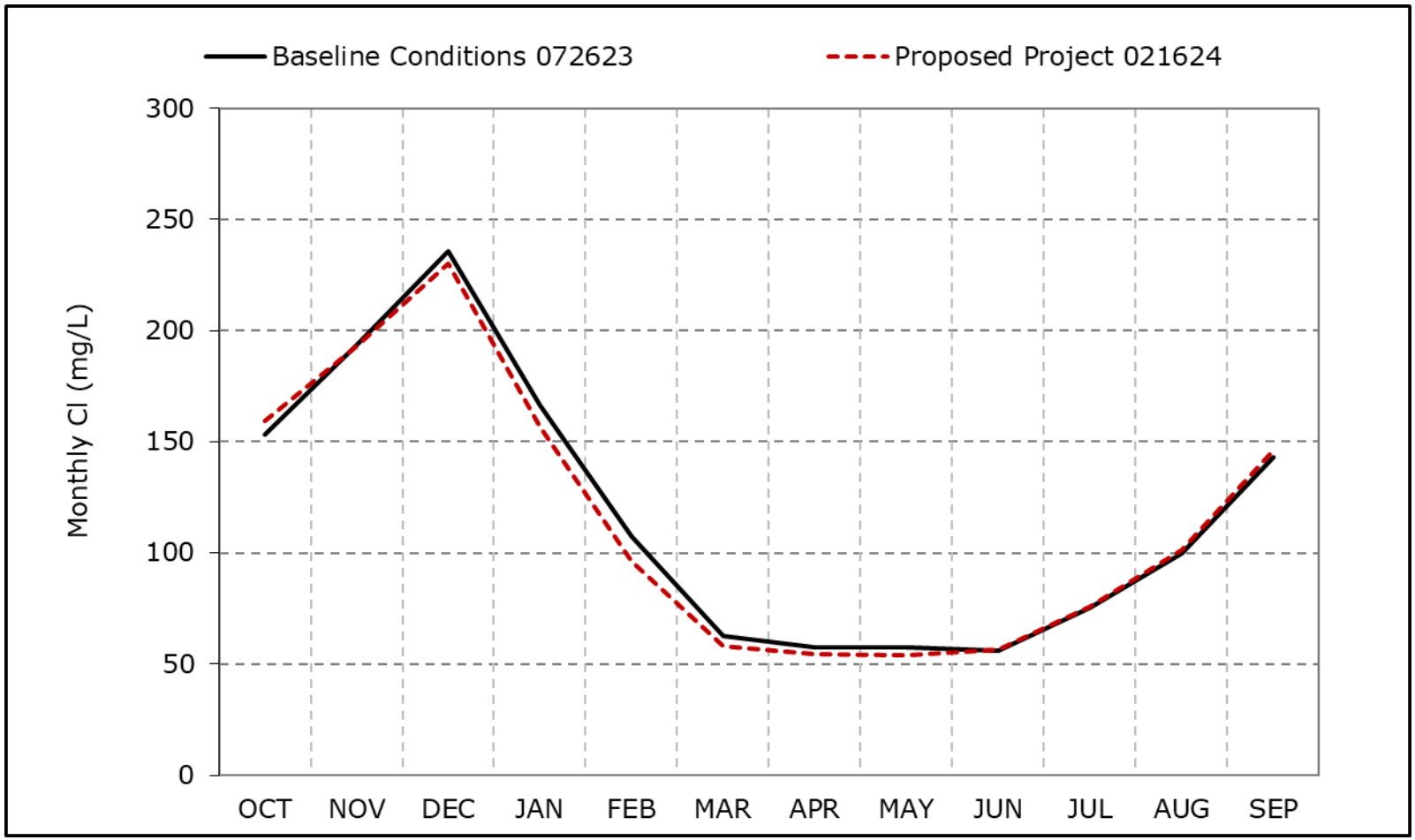
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-9e. Contra Costa Pumping Plant Chloride, Dry Year Average Cl



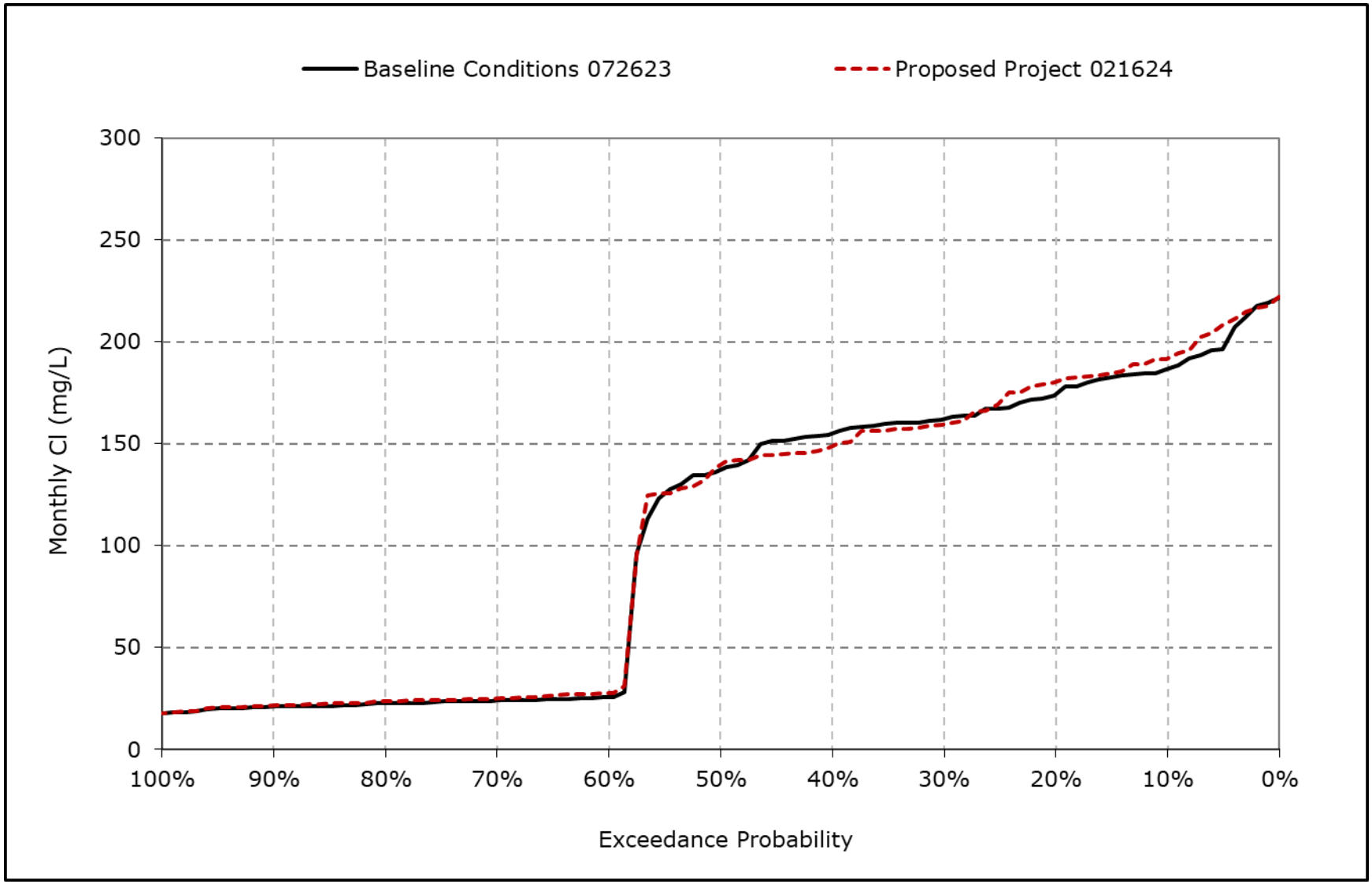
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-9f. Contra Costa Pumping Plant Chloride, Critical Year Average Cl



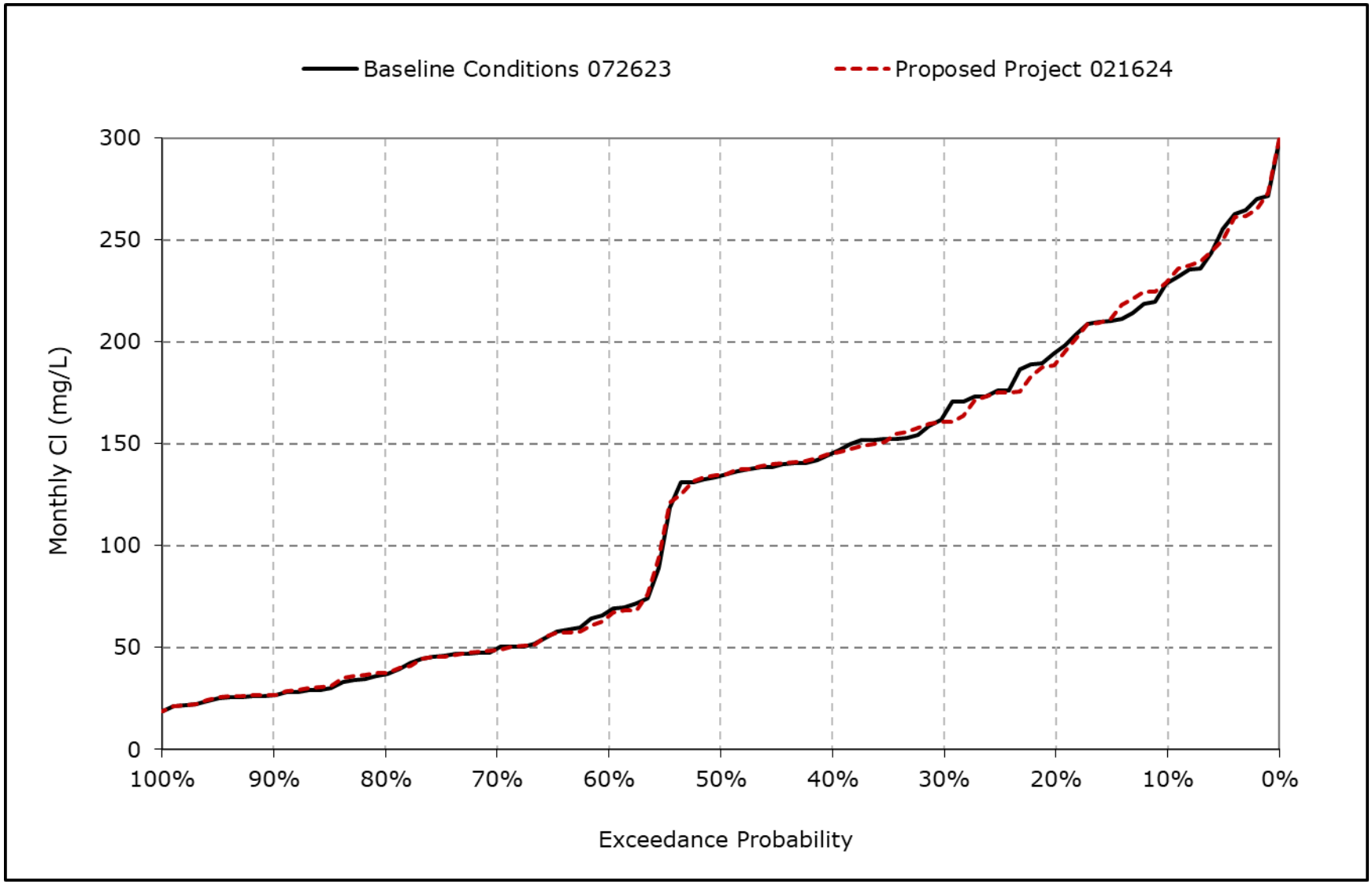
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-9g. Contra Costa Pumping Plant Chloride, October Cl



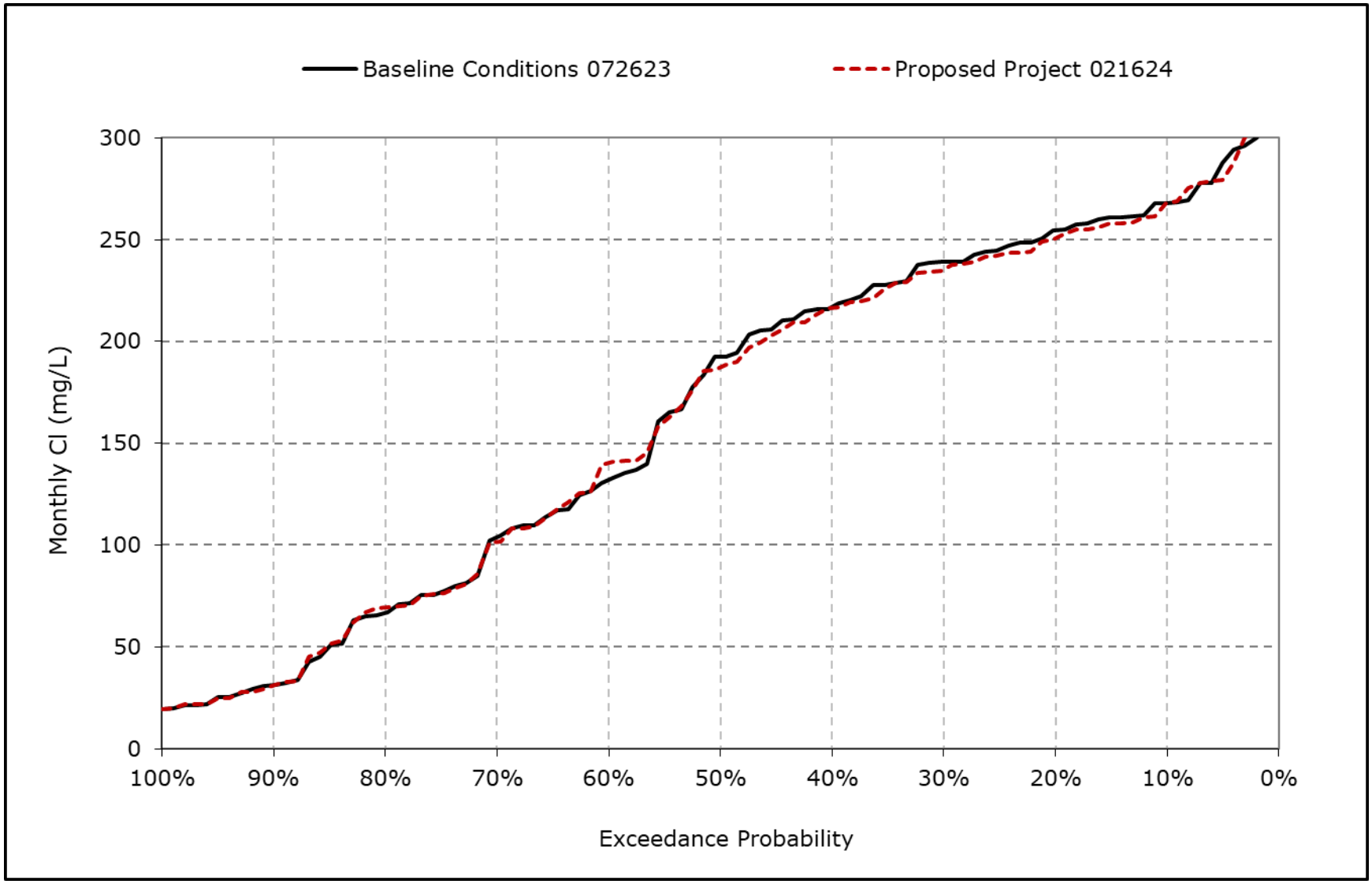
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-9h. Contra Costa Pumping Plant Chloride, November Cl



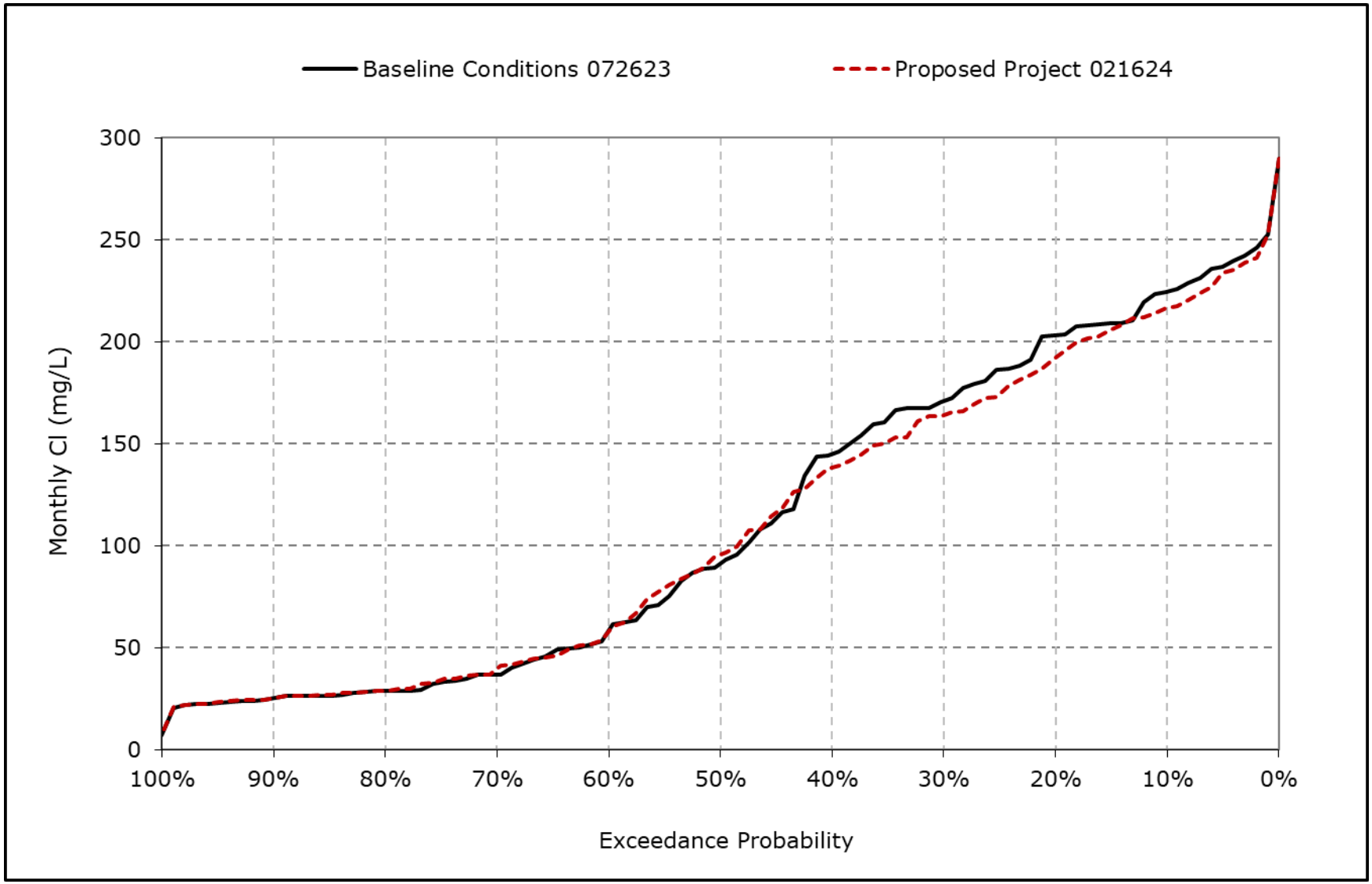
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-9i. Contra Costa Pumping Plant Chloride, December Cl



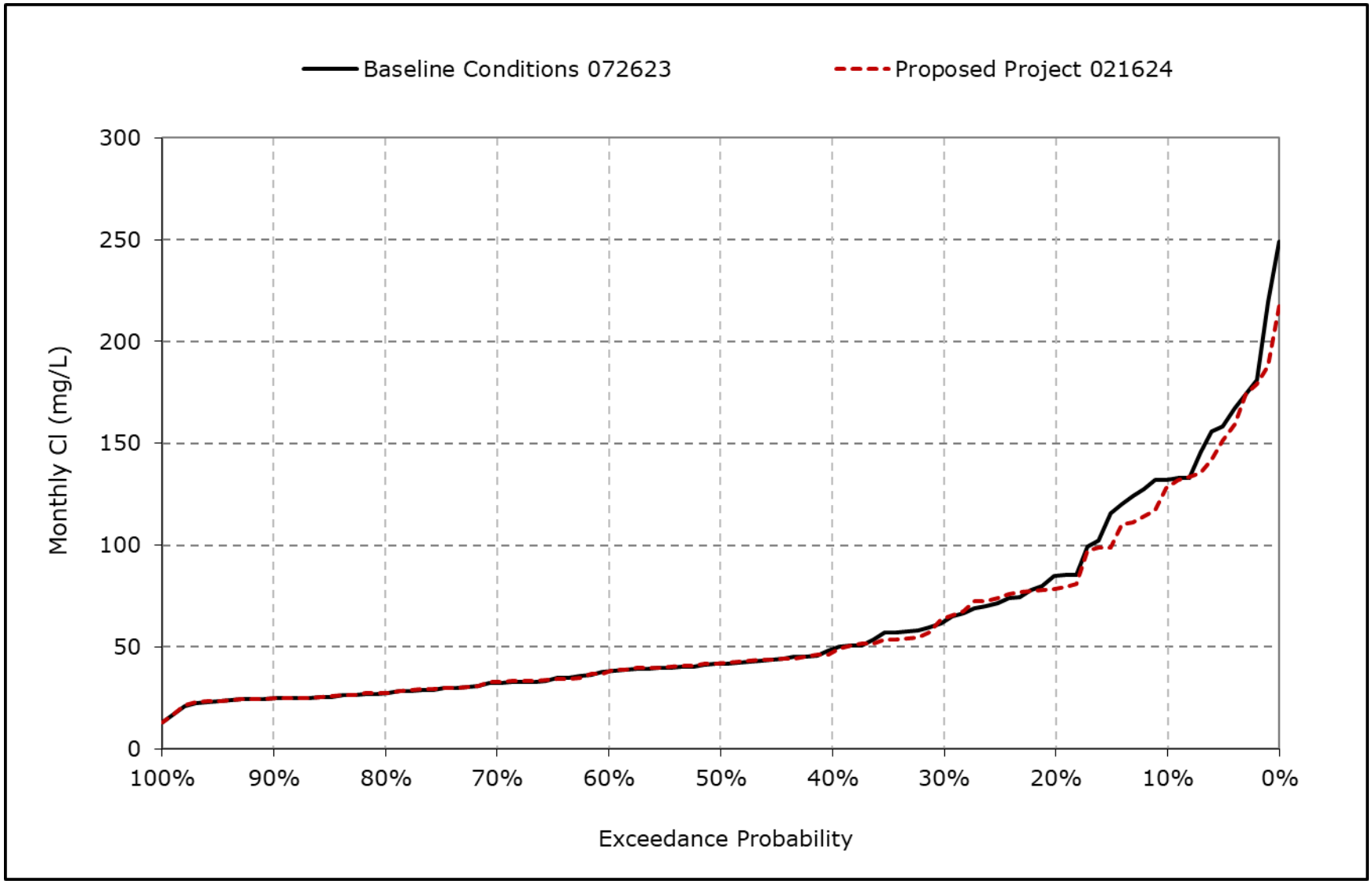
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-9j. Contra Costa Pumping Plant Chloride, January Cl



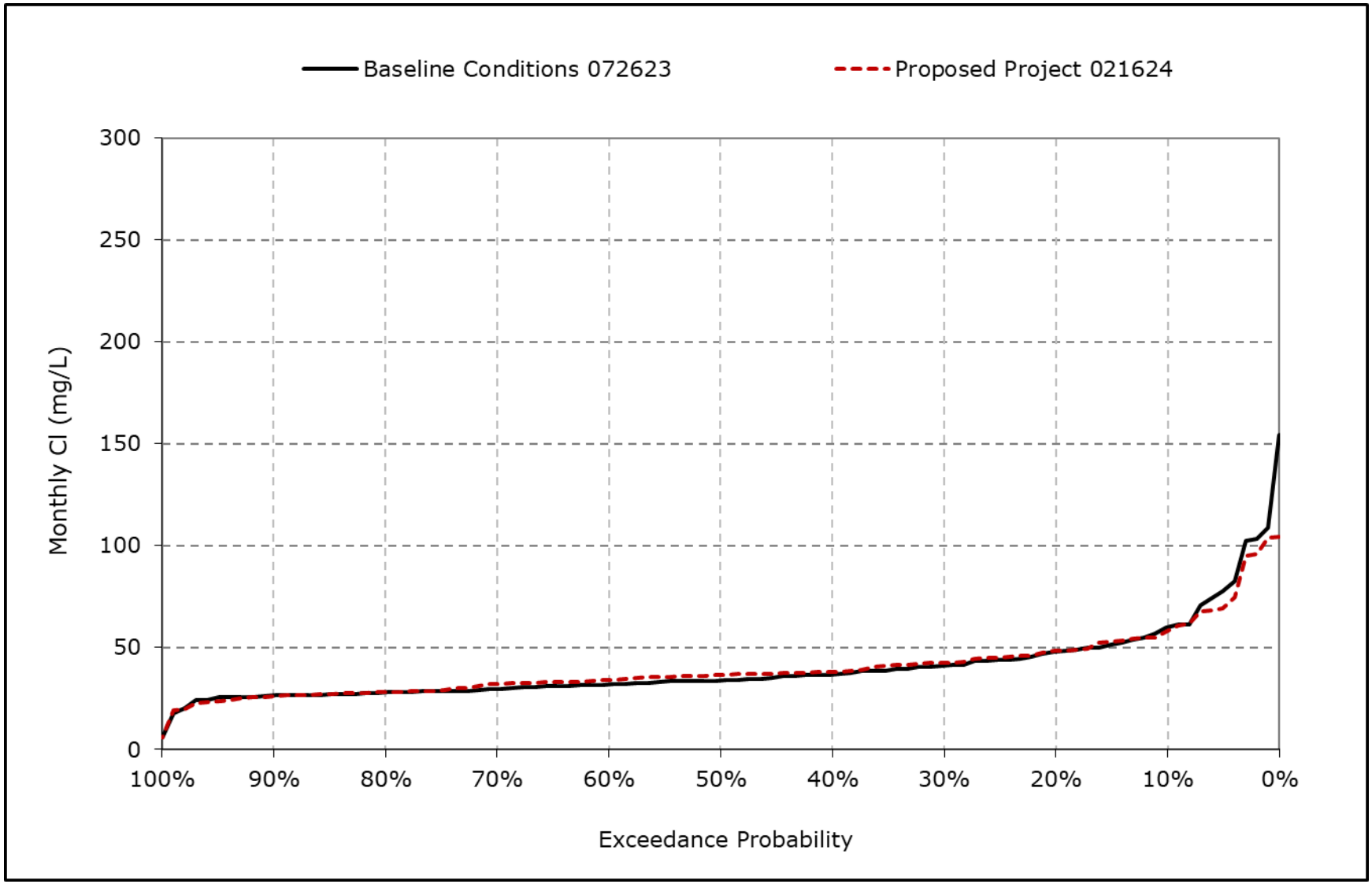
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-9k. Contra Costa Pumping Plant Chloride, February Cl



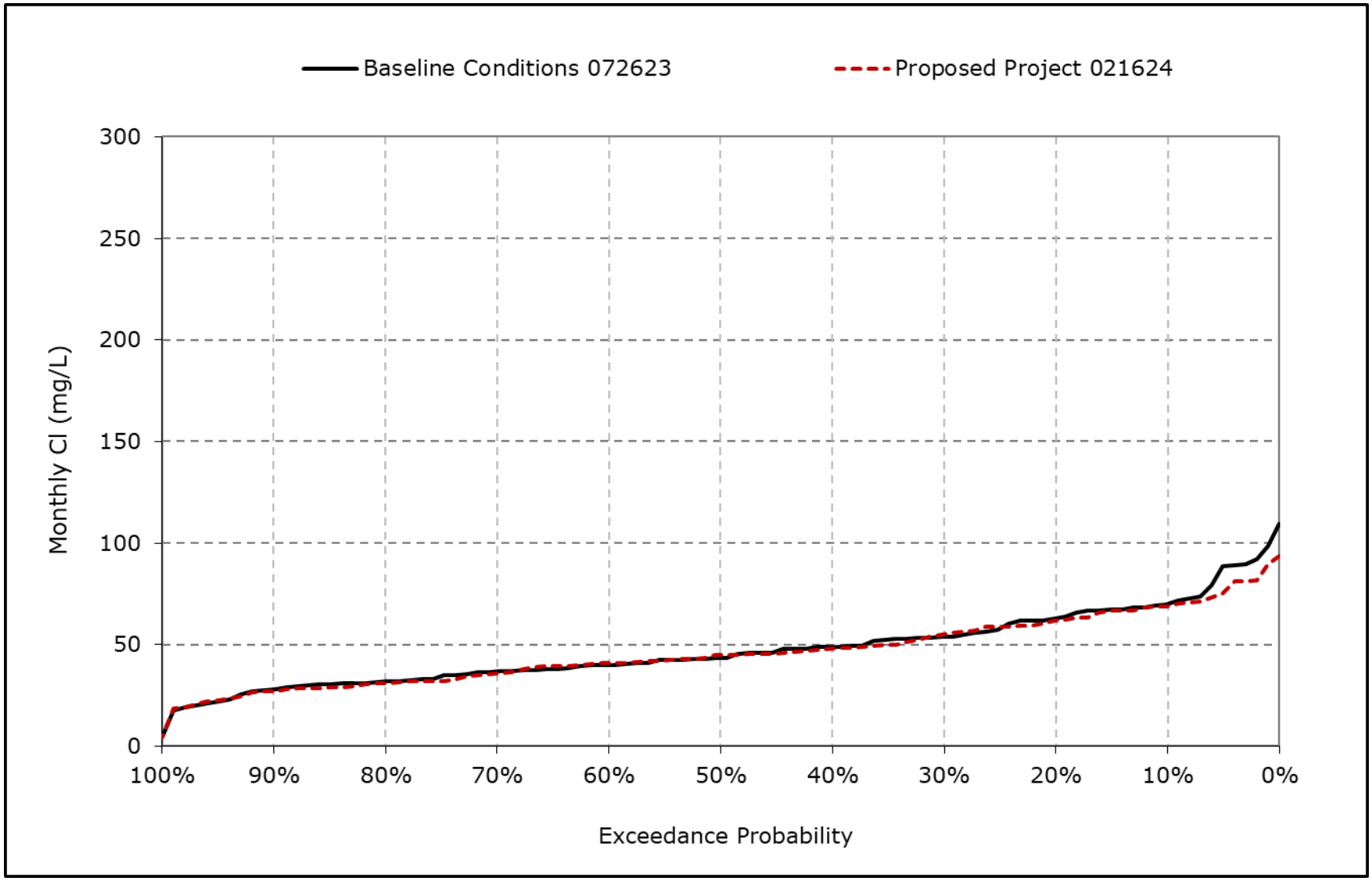
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-9l. Contra Costa Pumping Plant Chloride, March Cl



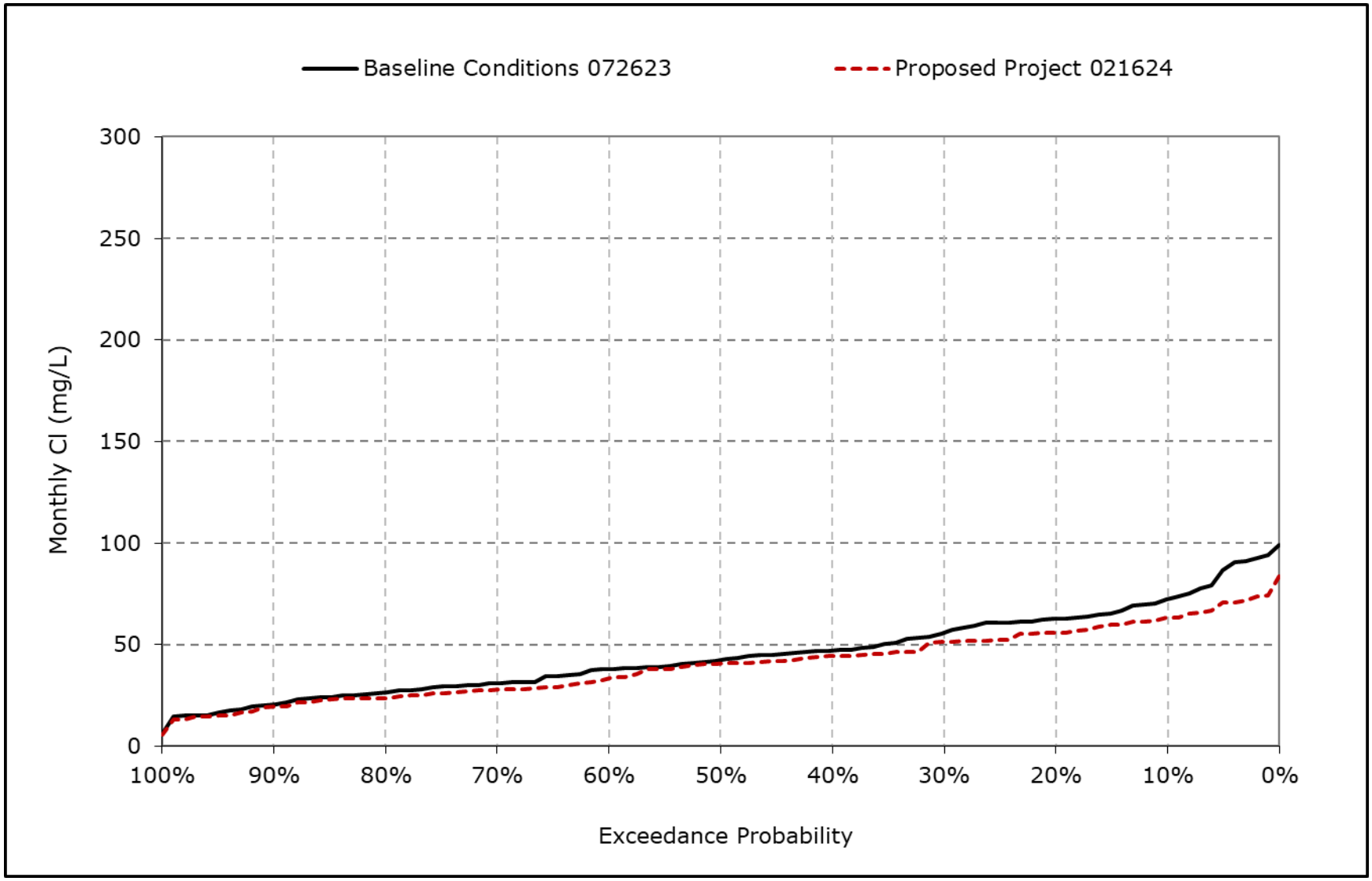
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-9m. Contra Costa Pumping Plant Chloride, April Cl



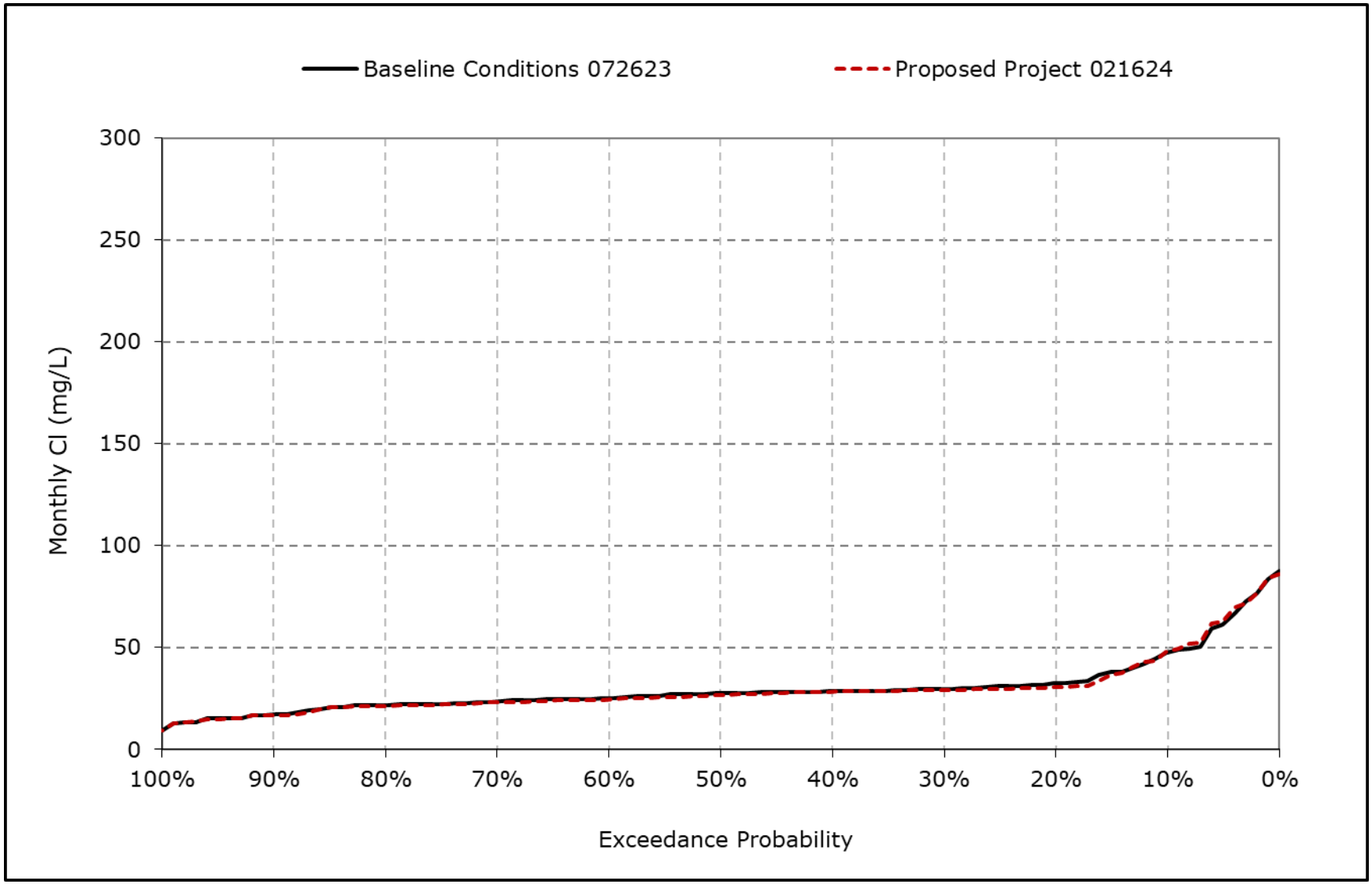
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-9n. Contra Costa Pumping Plant Chloride, May Cl



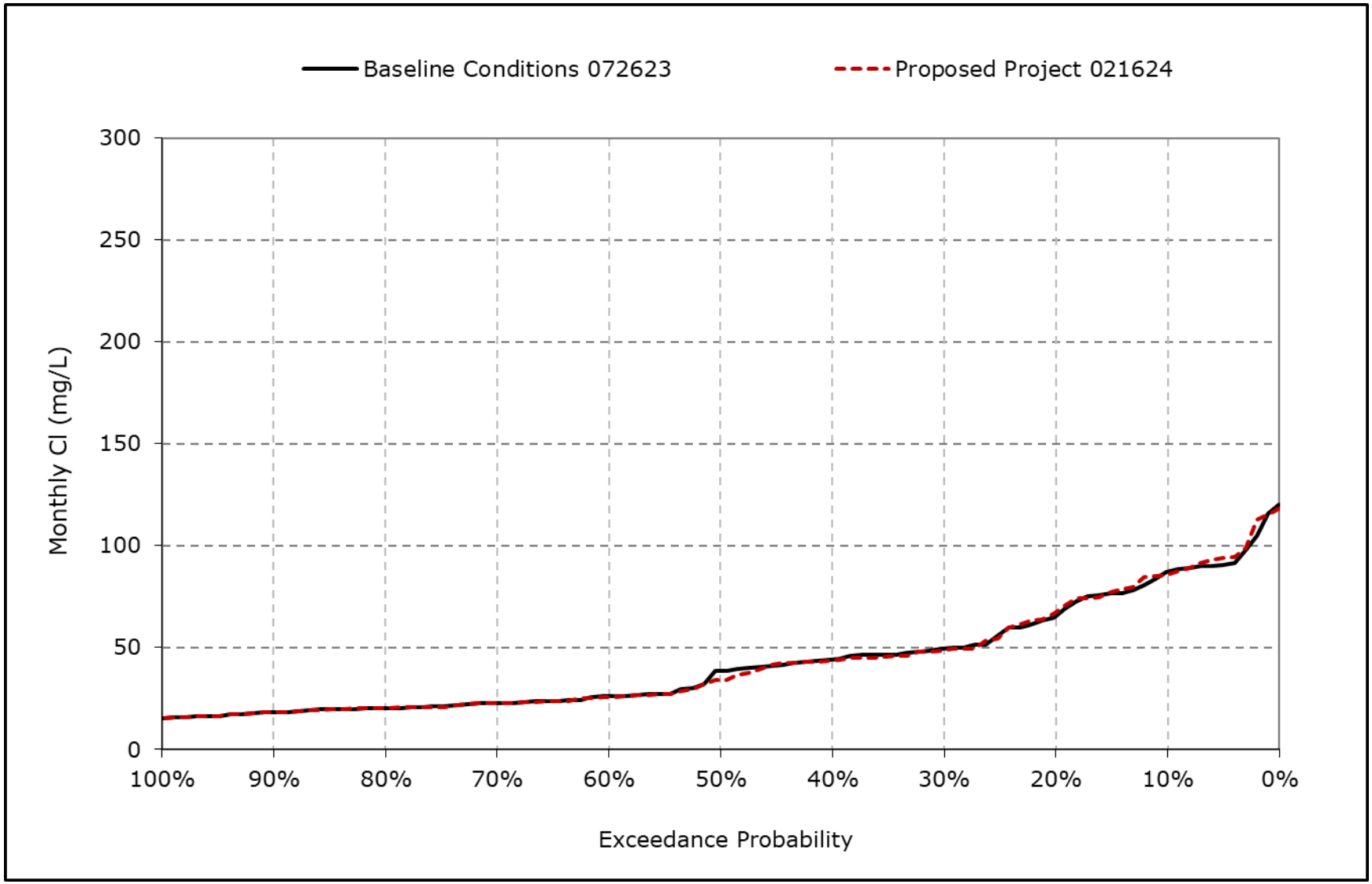
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-9o. Contra Costa Pumping Plant Chloride, June Cl



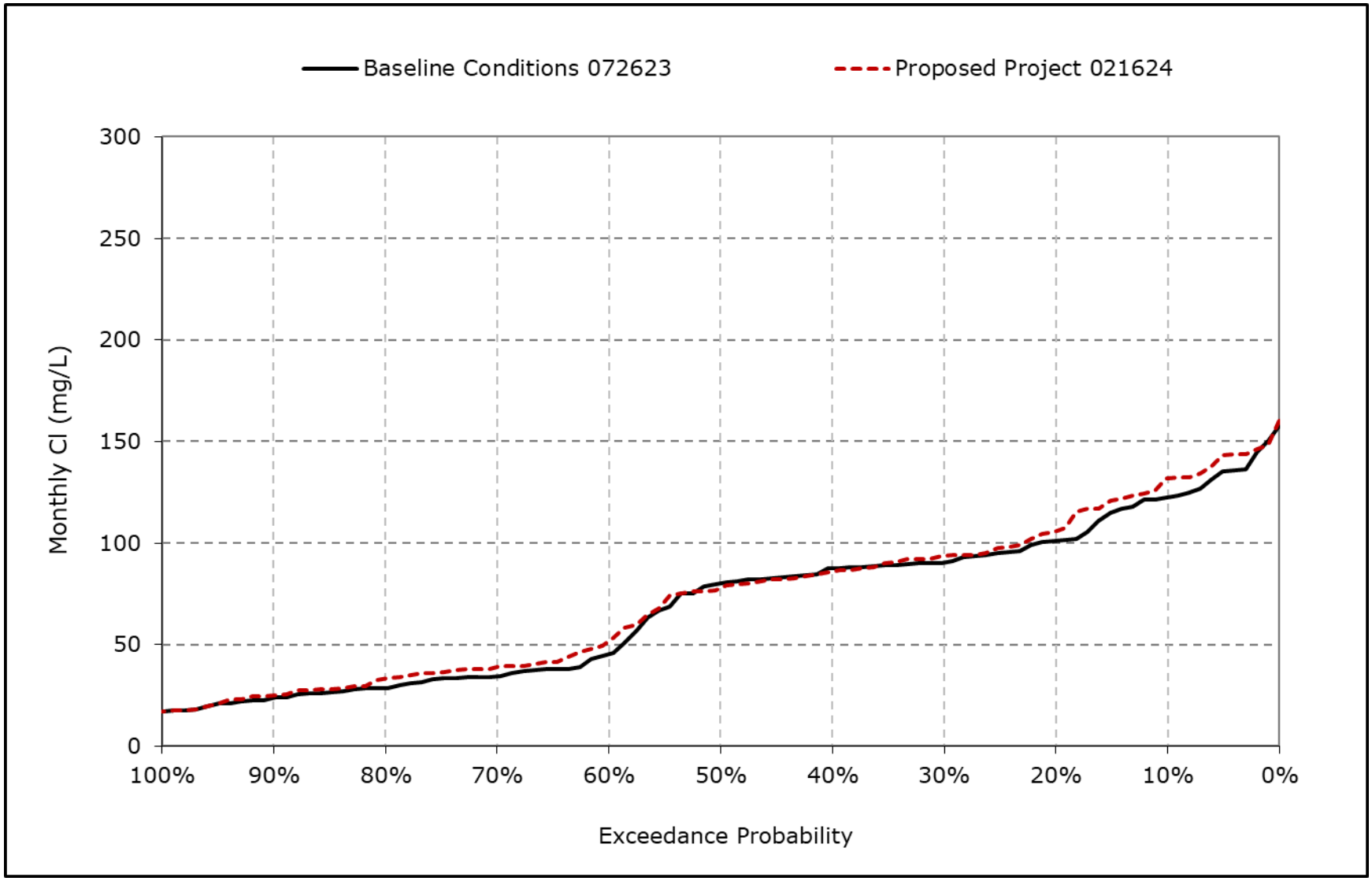
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-9p. Contra Costa Pumping Plant Chloride, July Cl



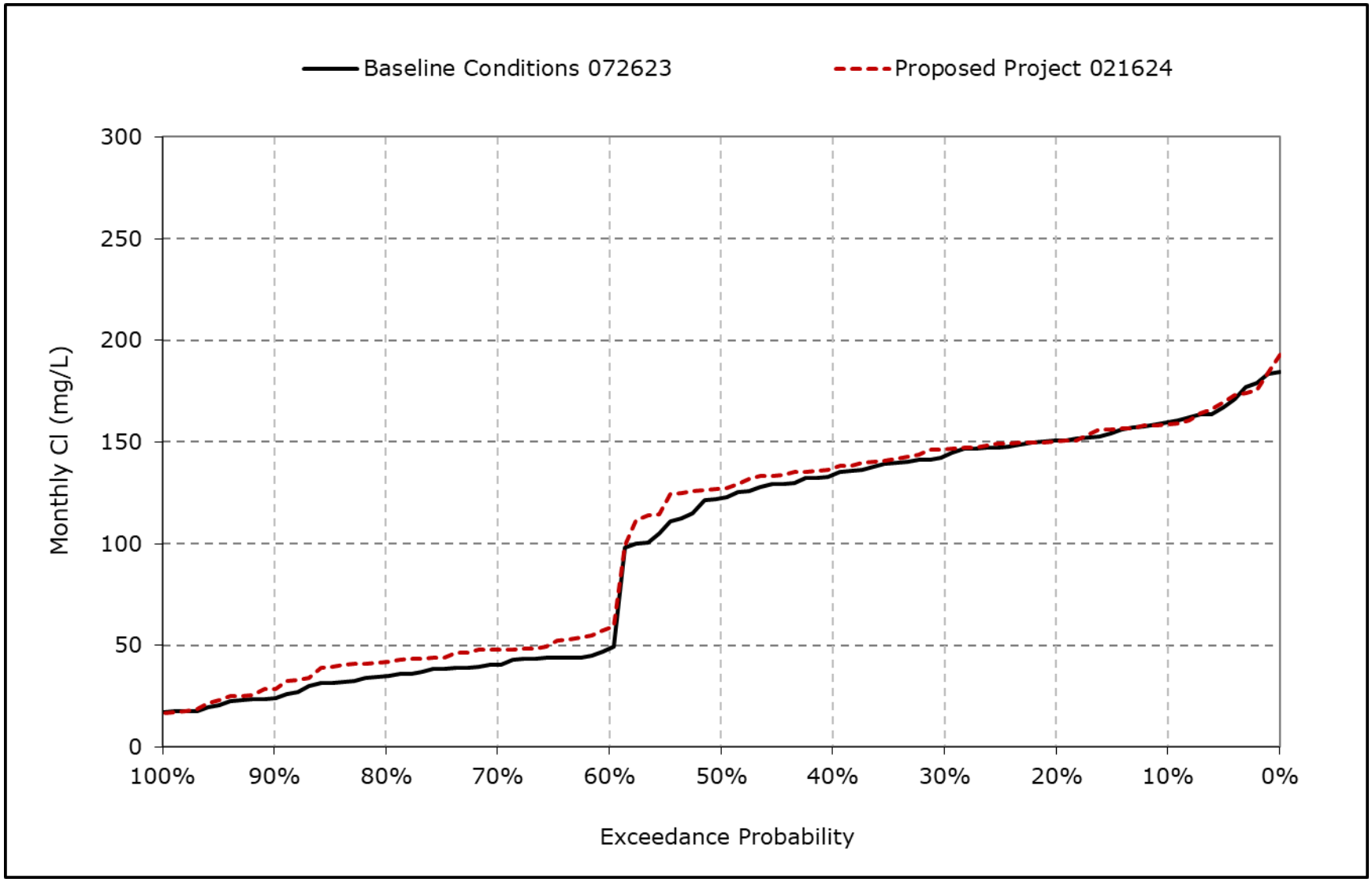
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-9q. Contra Costa Pumping Plant Chloride, August Cl



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

Figure 4B-7-9r. Contra Costa Pumping Plant Chloride, September Cl



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

Table 4B-7-10-1a. San Joaquin River at Antioch Chloride, Baseline Conditions 072623, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,869	1,897	1,506	1,029	323	217	214	346	651	1,003	1,234	1,688
20% Exceedance	1,626	1,675	1,370	710	170	74	105	193	382	779	1,139	1,549
30% Exceedance	1,538	1,470	1,165	509	118	34	58	141	361	659	1,049	1,407
40% Exceedance	1,356	1,409	1,007	279	59	28	34	71	302	569	929	1,219
50% Exceedance	1,158	925	770	203	30	26	27	32	203	478	843	1,128
60% Exceedance	295	741	405	95	26	24	25	28	126	307	563	371
70% Exceedance	255	682	233	31	24	22	22	24	53	250	507	335
80% Exceedance	244	514	161	22	21	21	21	20	20	168	451	316
90% Exceedance	191	213	55	20	20	20	19	16	16	118	365	290
Full Simulation Period Average[a]	965	1,071	762	360	137	72	76	121	264	493	786	947
Wet Water Years (30%)	784	747	272	76	26	21	20	25	54	155	375	281
Above Normal Years (11%)	985	1,121	694	130	26	23	23	27	108	233	491	308
Below Normal Years (21%)	834	945	905	376	90	35	38	59	233	488	861	1,156
Dry Water Years (22%)	942	1,160	998	562	204	95	92	139	346	740	1,068	1,434
Critical Water Years (16%)	1,495	1,689	1,215	748	392	216	243	421	691	974	1,274	1,689

Table 4B-7-10-1b. San Joaquin River at Antioch Chloride, Proposed Project 021624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,883	1,900	1,522	994	287	175	215	368	662	1,012	1,238	1,692
20% Exceedance	1,649	1,692	1,375	741	158	70	100	193	383	792	1,179	1,574
30% Exceedance	1,531	1,472	1,126	460	110	32	58	148	355	658	1,077	1,471
40% Exceedance	1,408	1,416	1,013	257	54	28	35	77	315	526	893	1,302
50% Exceedance	1,192	960	746	206	30	26	27	40	191	461	815	1,151
60% Exceedance	306	750	397	104	26	24	24	29	122	312	598	403
70% Exceedance	265	671	238	30	24	22	22	24	49	242	531	356
80% Exceedance	244	502	162	22	22	21	21	19	19	164	488	342
90% Exceedance	212	215	50	20	20	20	18	16	16	113	433	306
Full Simulation Period Average[a]	984	1,074	757	344	123	63	74	125	263	487	804	980
Wet Water Years (30%)	816	755	274	74	26	21	21	29	53	154	413	310
Above Normal Years (11%)	1,010	1,109	723	134	26	23	23	28	103	227	529	328
Below Normal Years (21%)	833	954	897	357	85	33	36	65	226	454	823	1,195
Dry Water Years (22%)	951	1,161	992	561	182	74	82	137	344	745	1,109	1,492
Critical Water Years (16%)	1,525	1,682	1,180	678	337	197	247	436	703	978	1,283	1,696

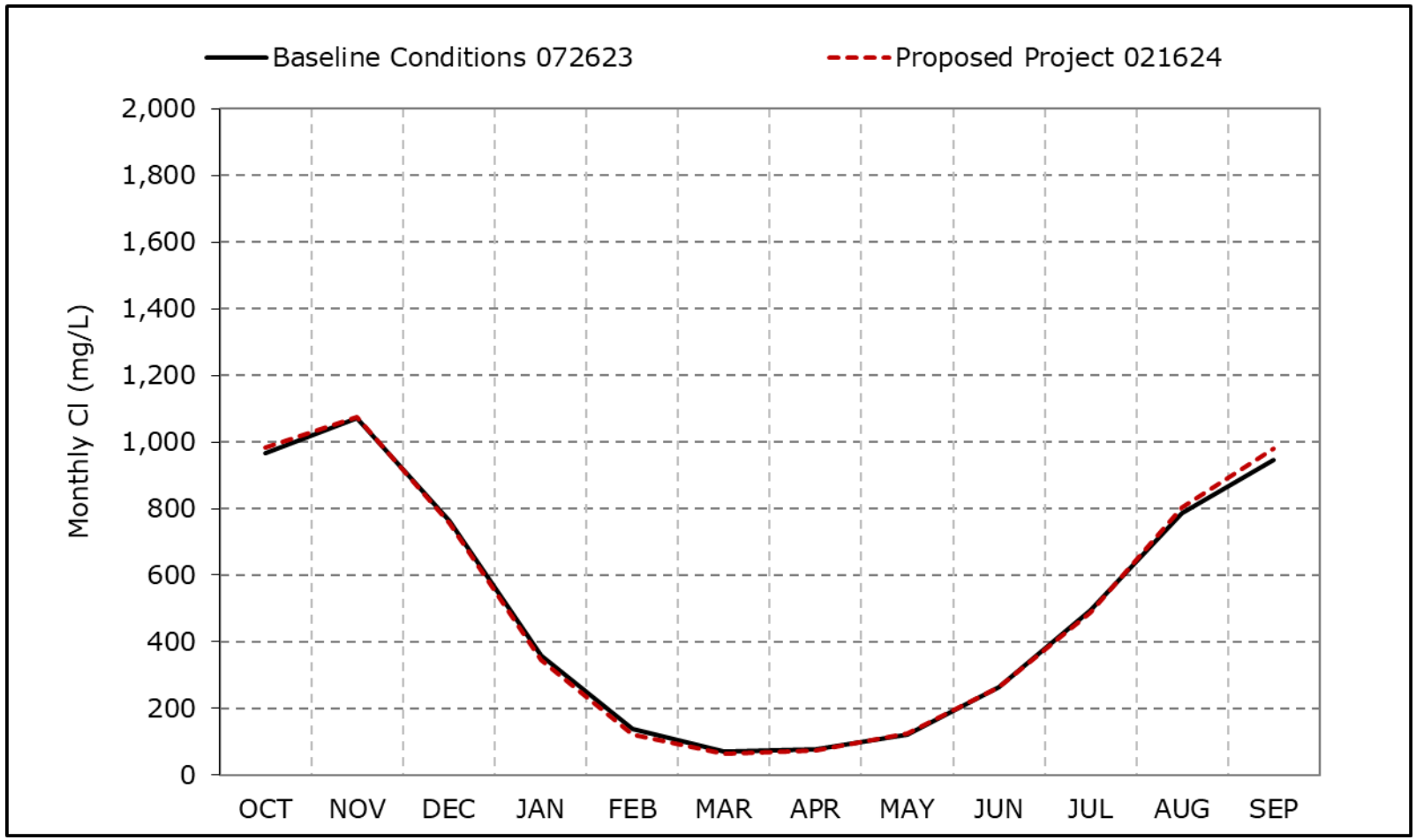
Table 4B-7-10-1c. San Joaquin River at Antioch Chloride, Proposed Project 021624 minus Baseline Conditions 072623, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	14	3	16	-34	-36	-42	0	22	11	10	4	4
20% Exceedance	23	17	5	31	-11	-3	-4	0	1	13	40	26
30% Exceedance	-7	2	-39	-49	-8	-2	-1	7	-6	-1	29	63
40% Exceedance	52	7	6	-23	-6	0	1	6	13	-43	-35	83
50% Exceedance	34	35	-24	3	0	0	0	8	-12	-18	-29	23
60% Exceedance	11	9	-8	9	0	0	0	1	-4	5	35	31
70% Exceedance	10	-11	4	0	0	0	0	0	-3	-8	24	22
80% Exceedance	0	-13	1	0	0	0	0	-1	0	-4	37	26
90% Exceedance	21	2	-4	0	0	0	0	0	0	-6	68	16
Full Simulation Period Average[a]	19	2	-5	-16	-15	-8	-2	5	-1	-6	18	33
Wet Water Years (30%)	32	8	2	-2	0	0	0	4	-1	-1	38	29
Above Normal Years (11%)	24	-12	29	4	0	0	0	1	-6	-6	38	21
Below Normal Years (21%)	-1	10	-8	-19	-5	-2	-2	6	-7	-34	-38	39
Dry Water Years (22%)	10	1	-6	-1	-22	-21	-10	-1	-2	5	42	57
Critical Water Years (16%)	30	-7	-35	-70	-55	-19	3	15	13	4	8	7

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

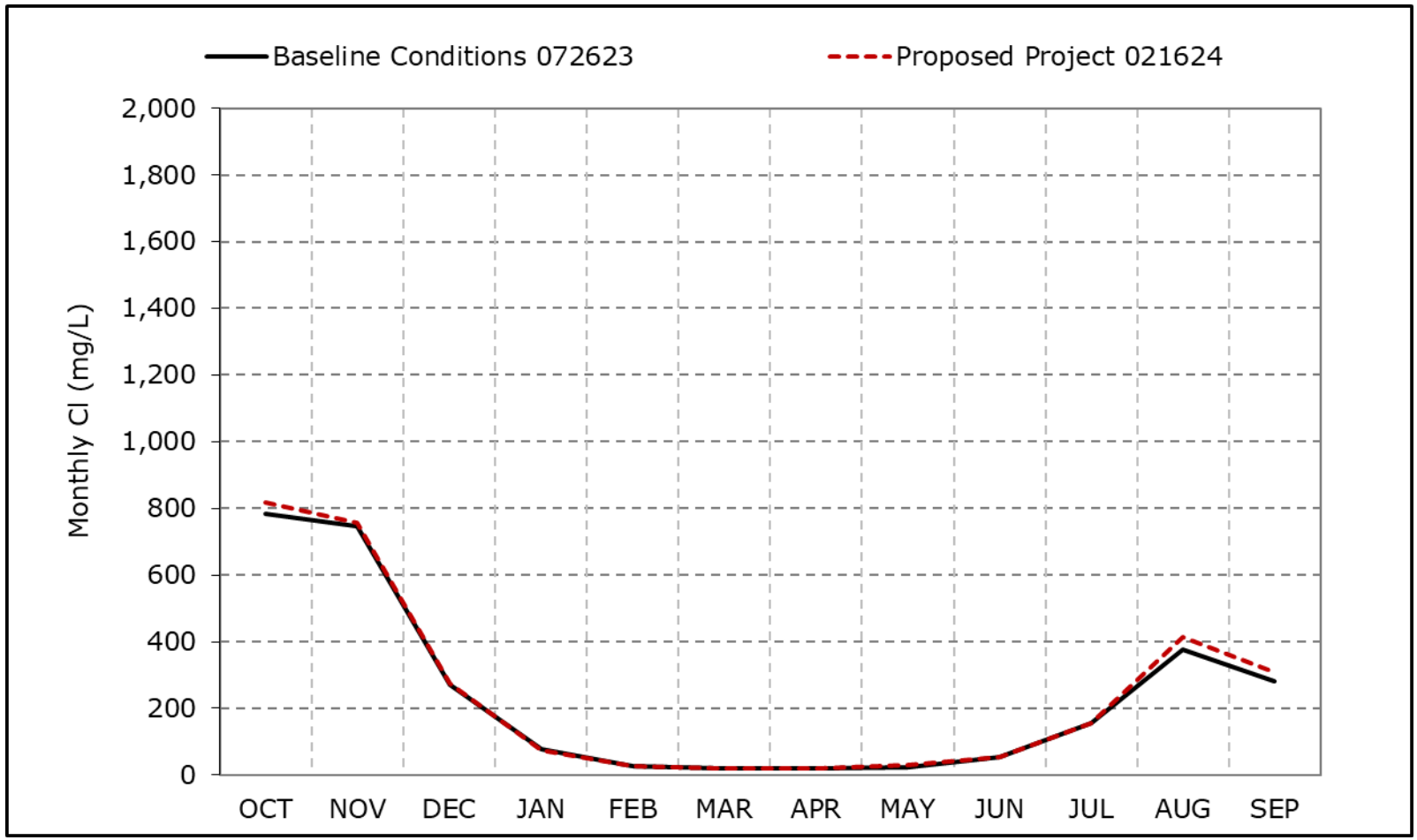
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-7-10a. San Joaquin River at Antioch Chloride, Long-Term Average Cl



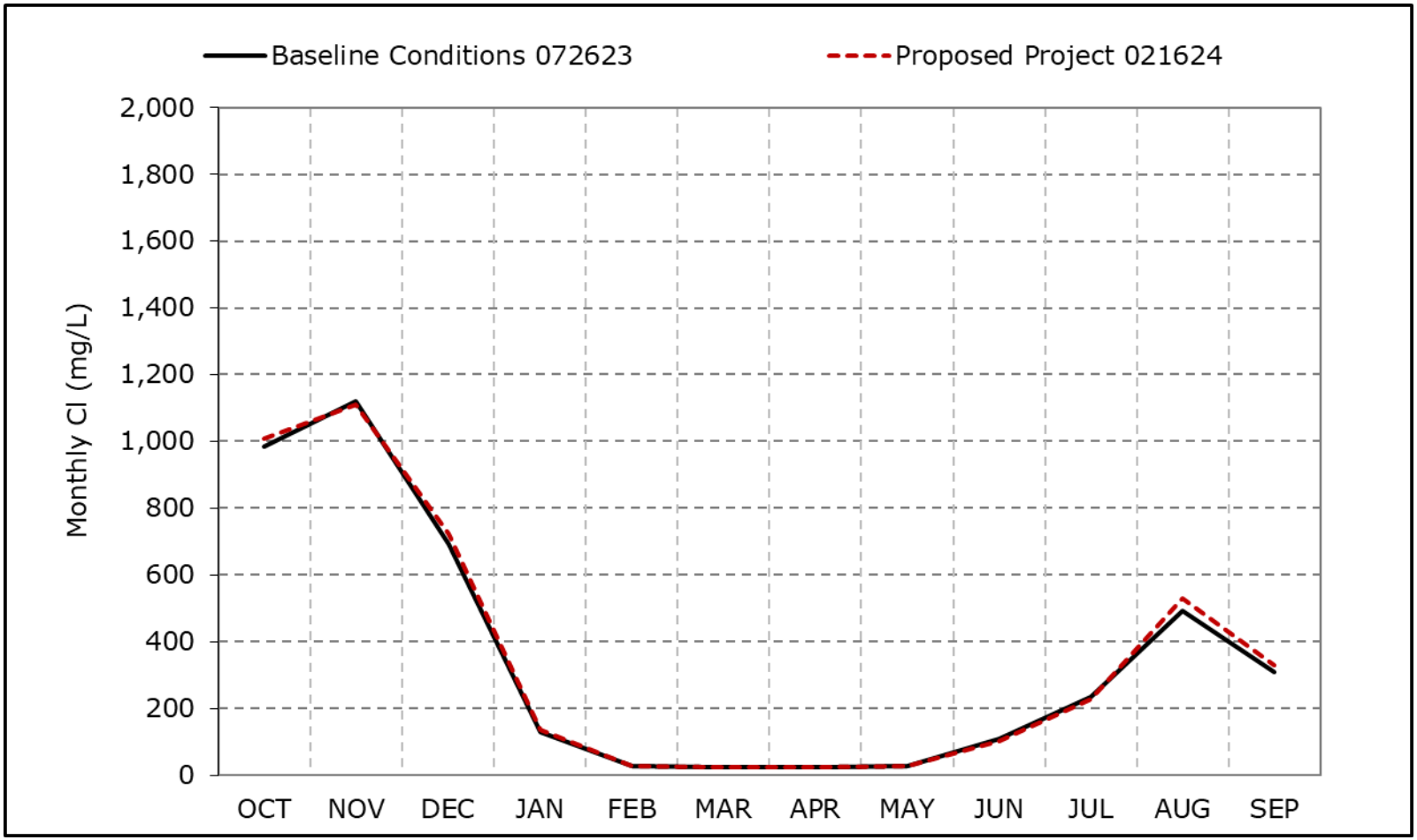
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-10b. San Joaquin River at Antioch Chloride, Wet Year Average Cl



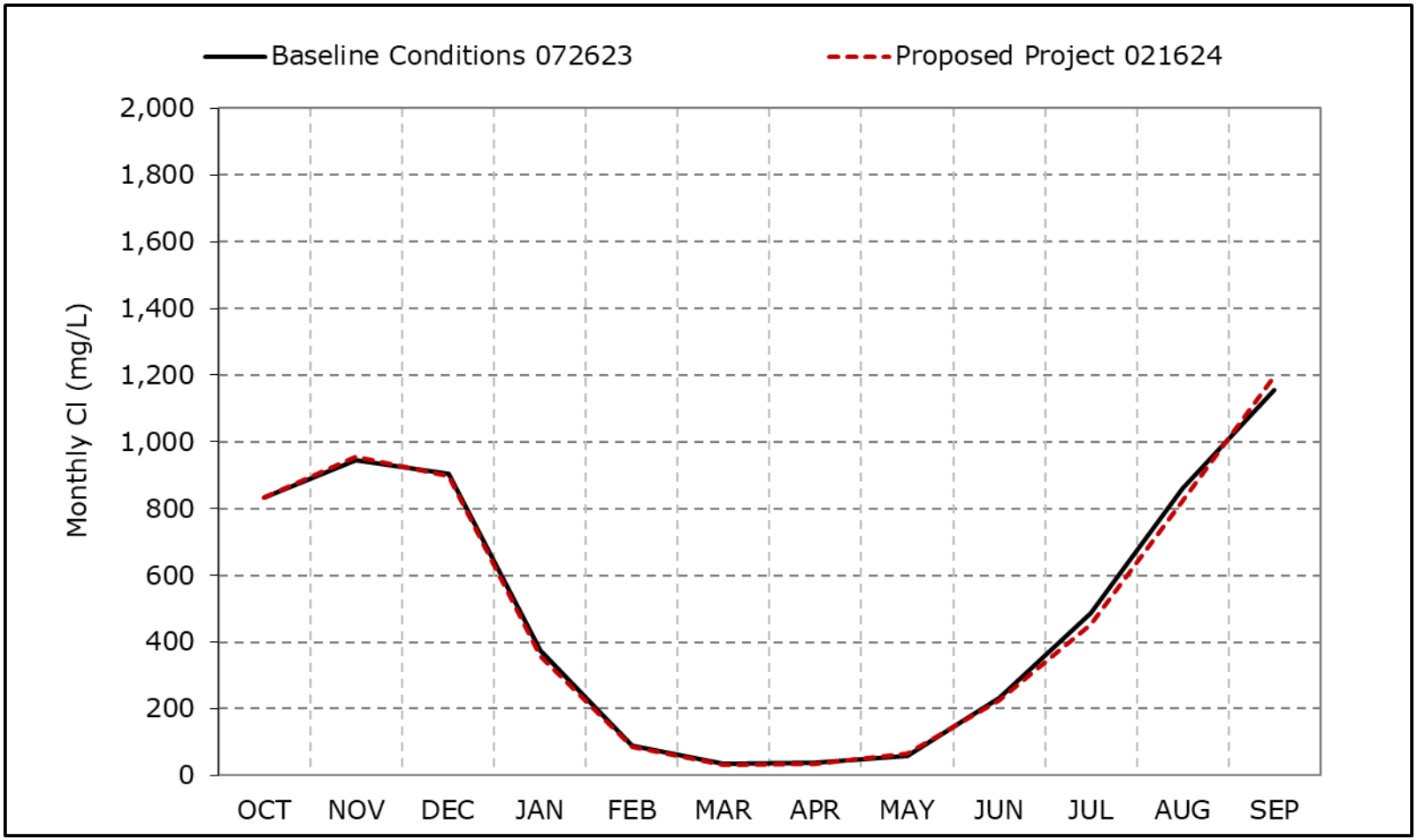
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-10c. San Joaquin River at Antioch Chloride, Above Normal Year Average Cl



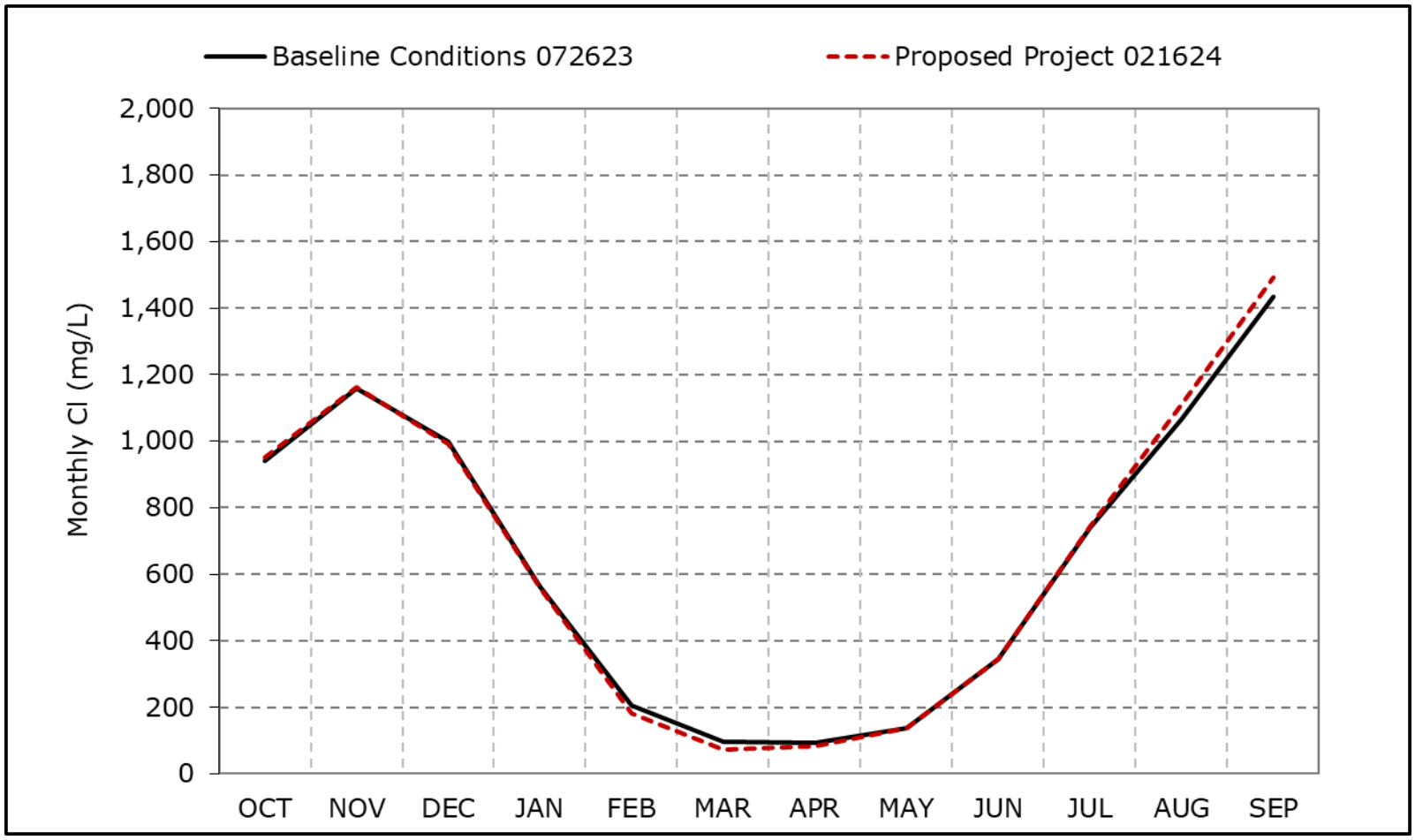
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-10d. San Joaquin River at Antioch Chloride, Below Normal Year Average Cl



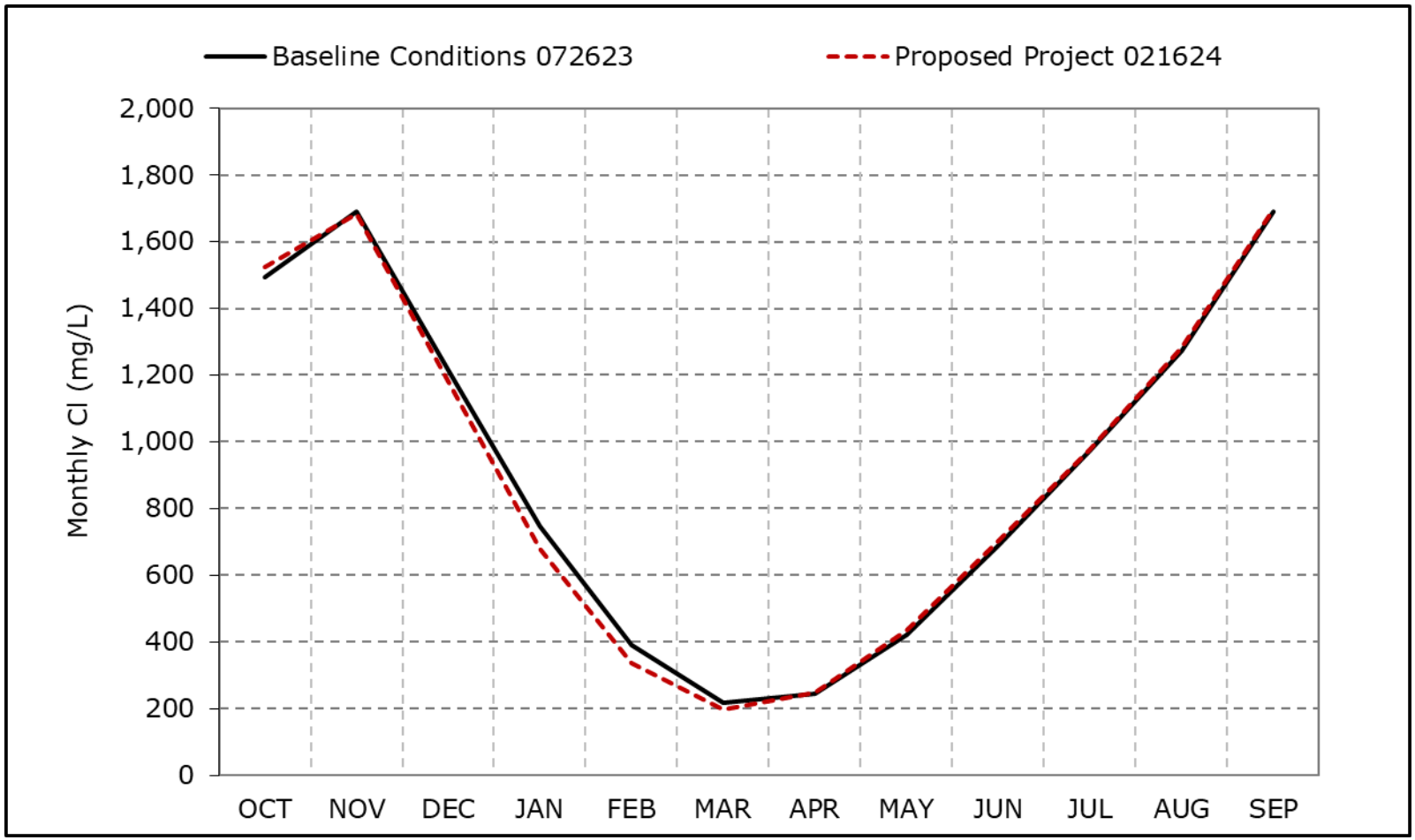
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-10e. San Joaquin River at Antioch Chloride, Dry Year Average Cl



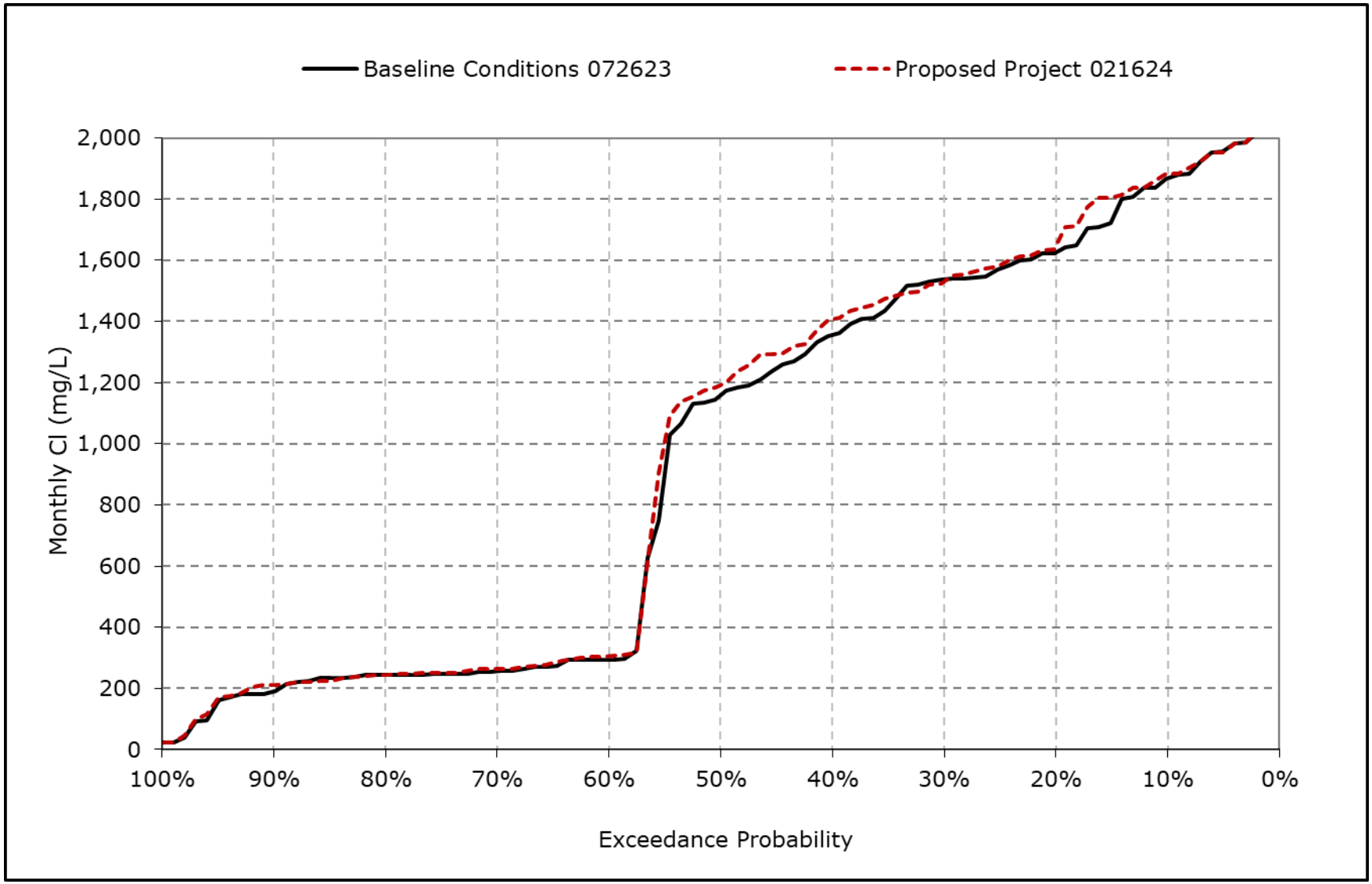
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-10f. San Joaquin River at Antioch Chloride, Critical Year Average Cl



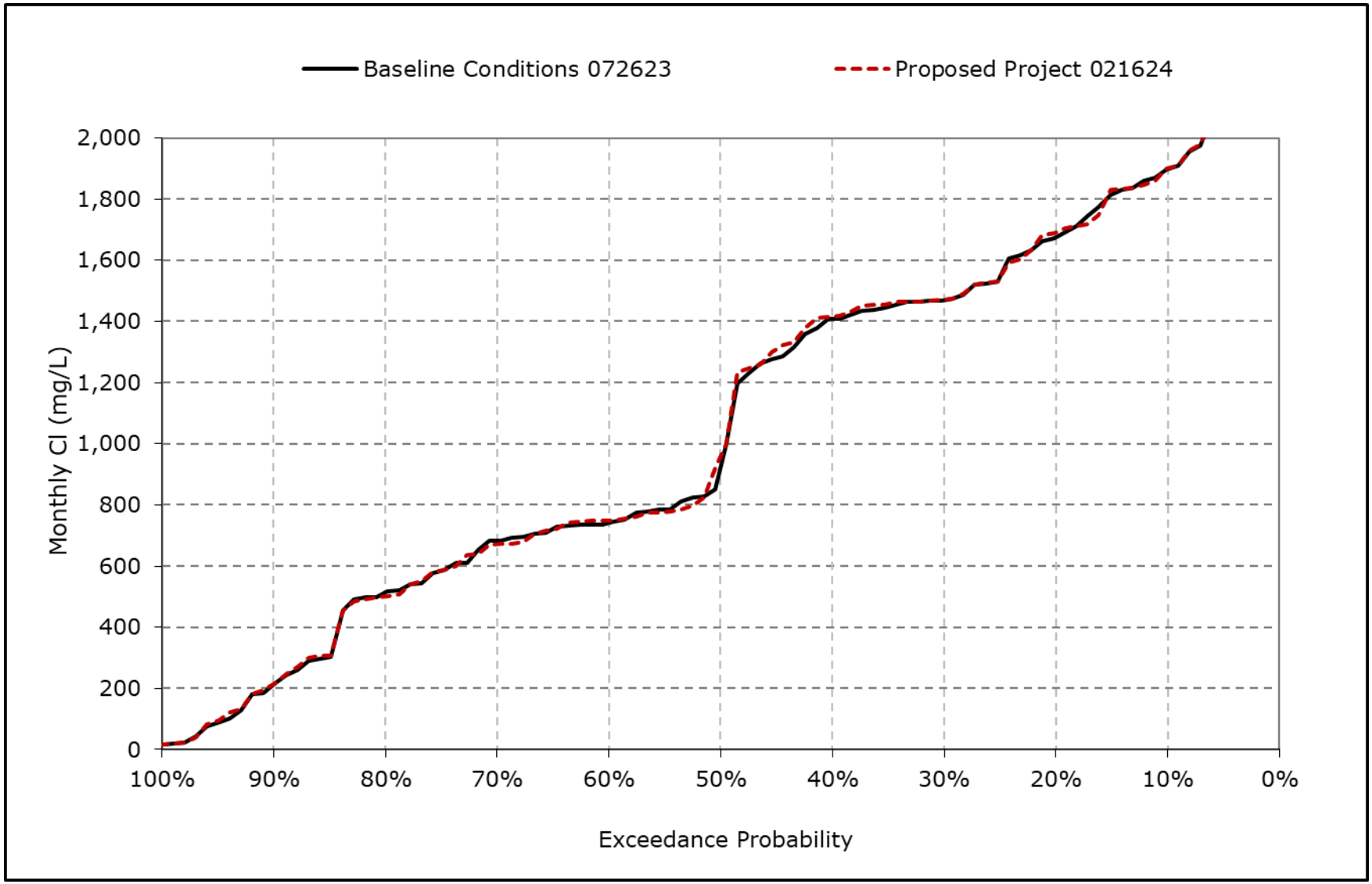
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-10g. San Joaquin River at Antioch Chloride, October Cl



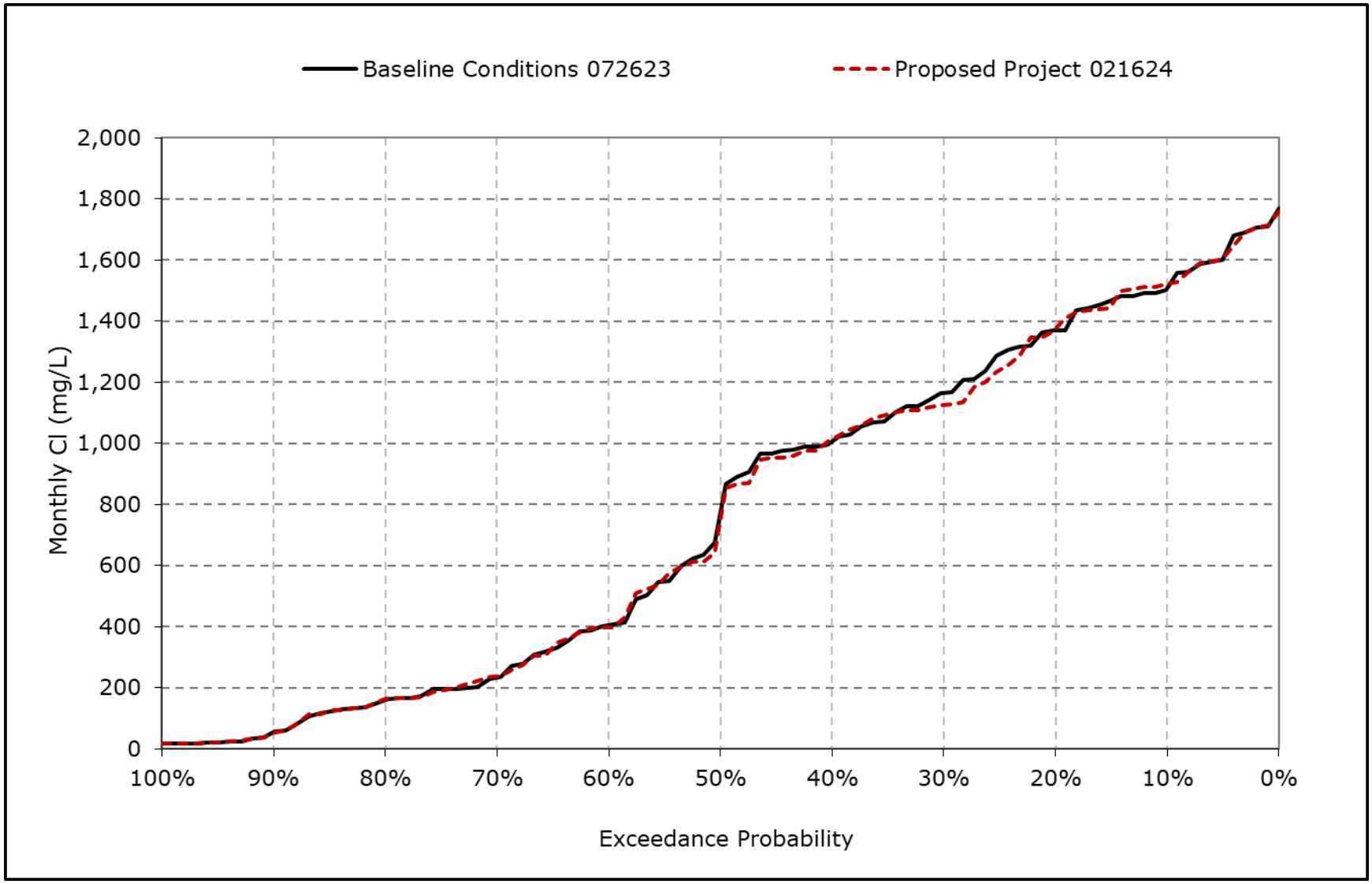
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-10h. San Joaquin River at Antioch Chloride, November Cl



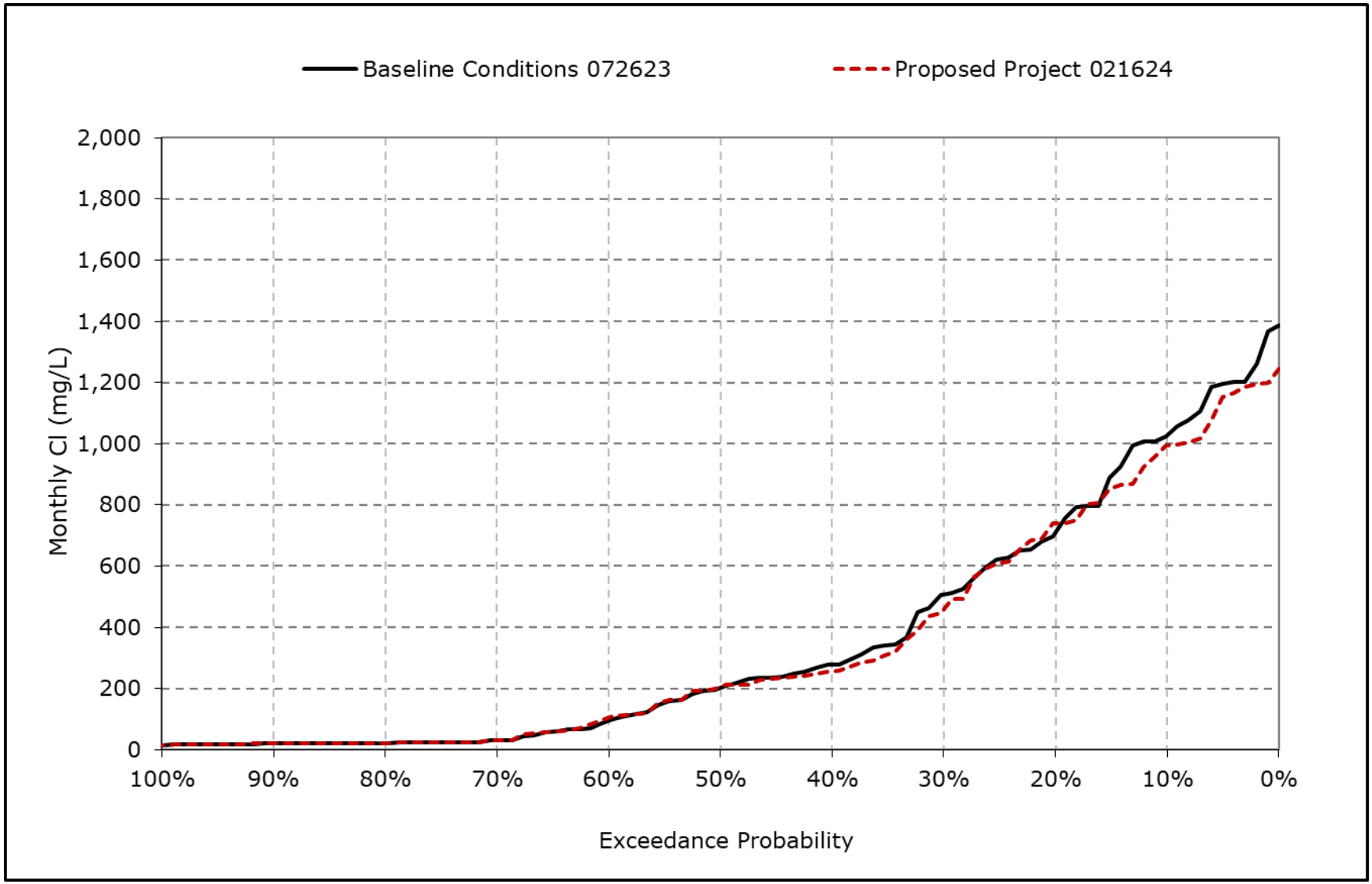
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-10i. San Joaquin River at Antioch Chloride, December Cl



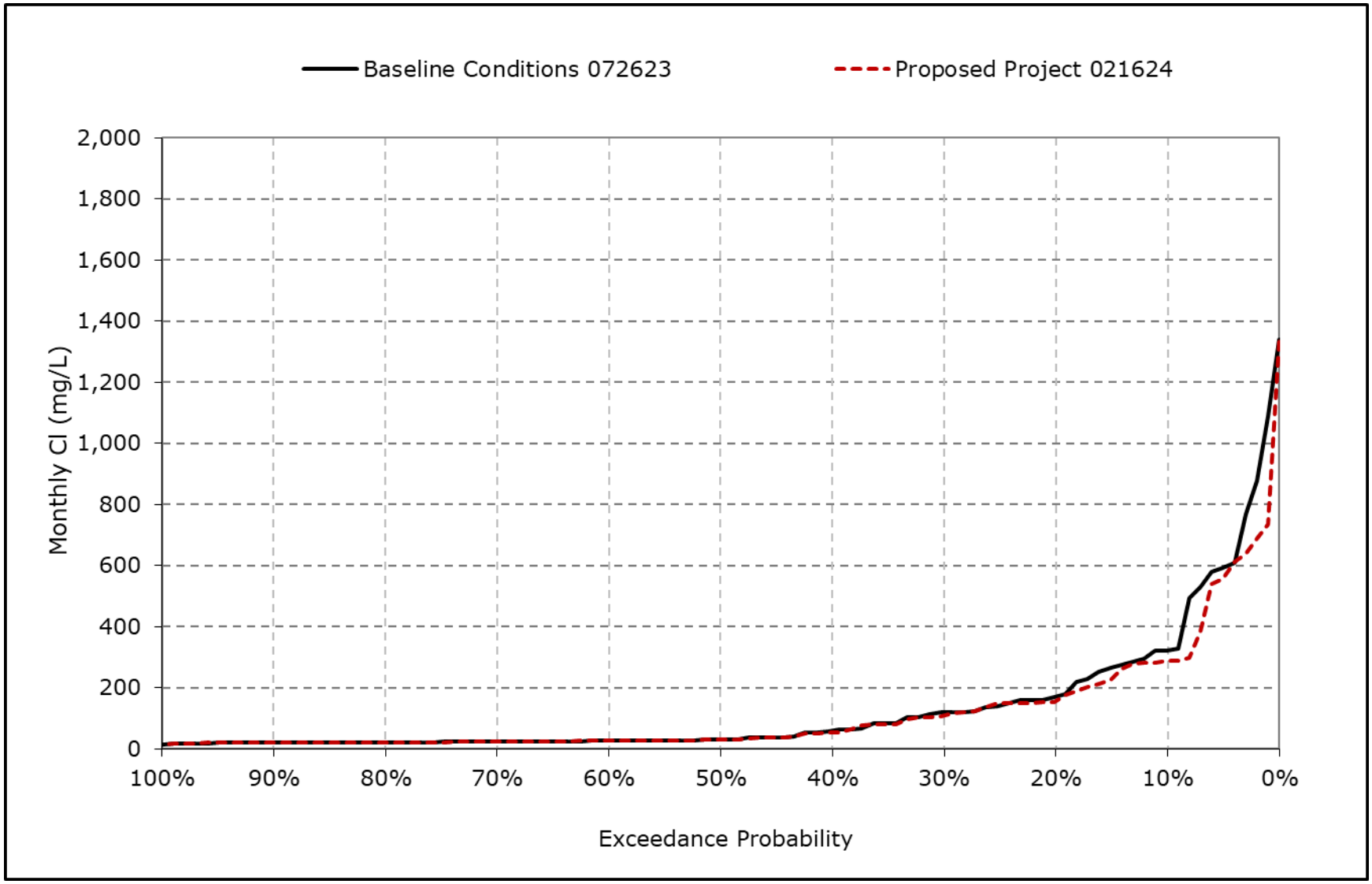
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-10j. San Joaquin River at Antioch Chloride, January Cl



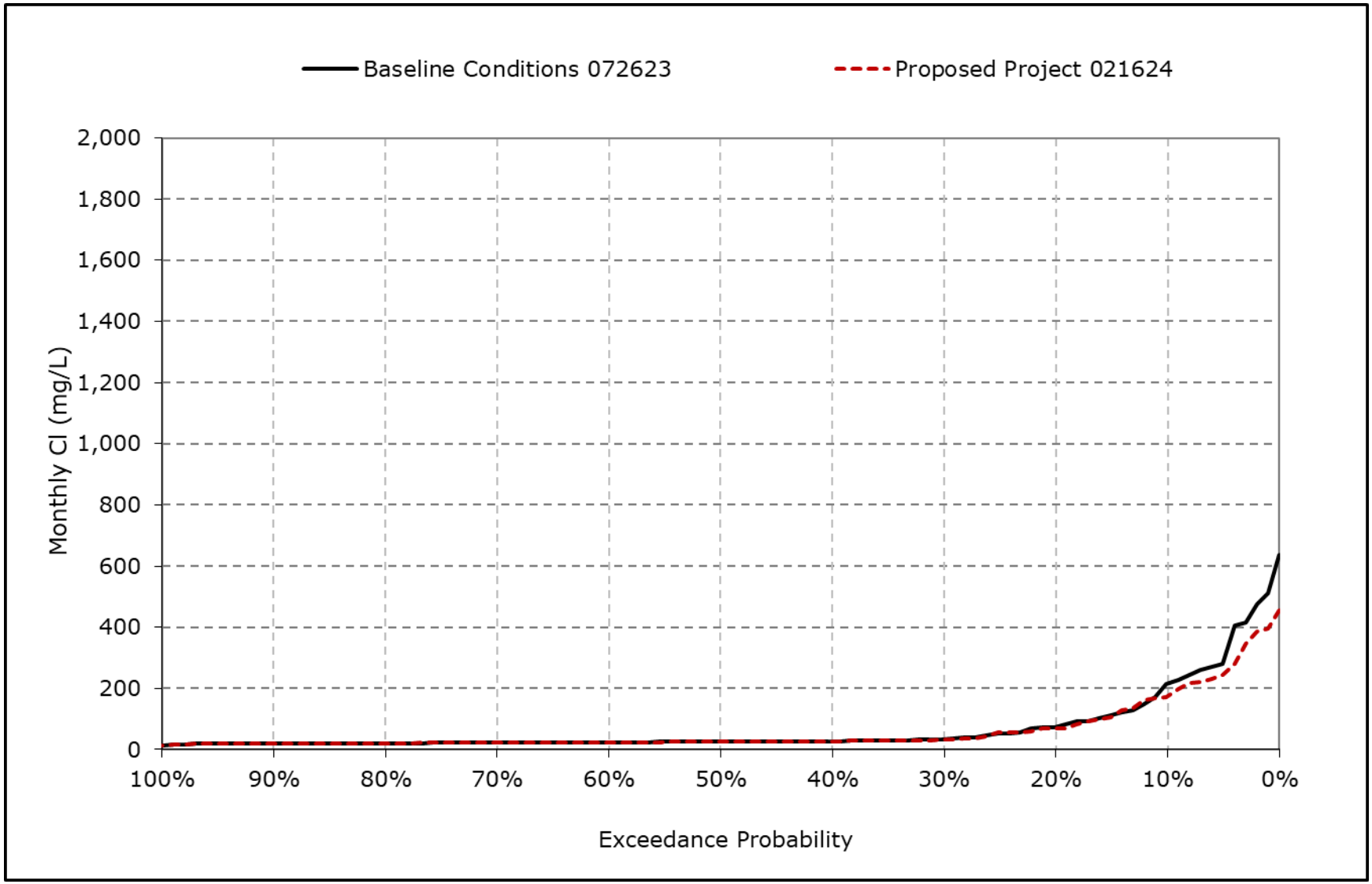
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-10k. San Joaquin River at Antioch Chloride, February Cl



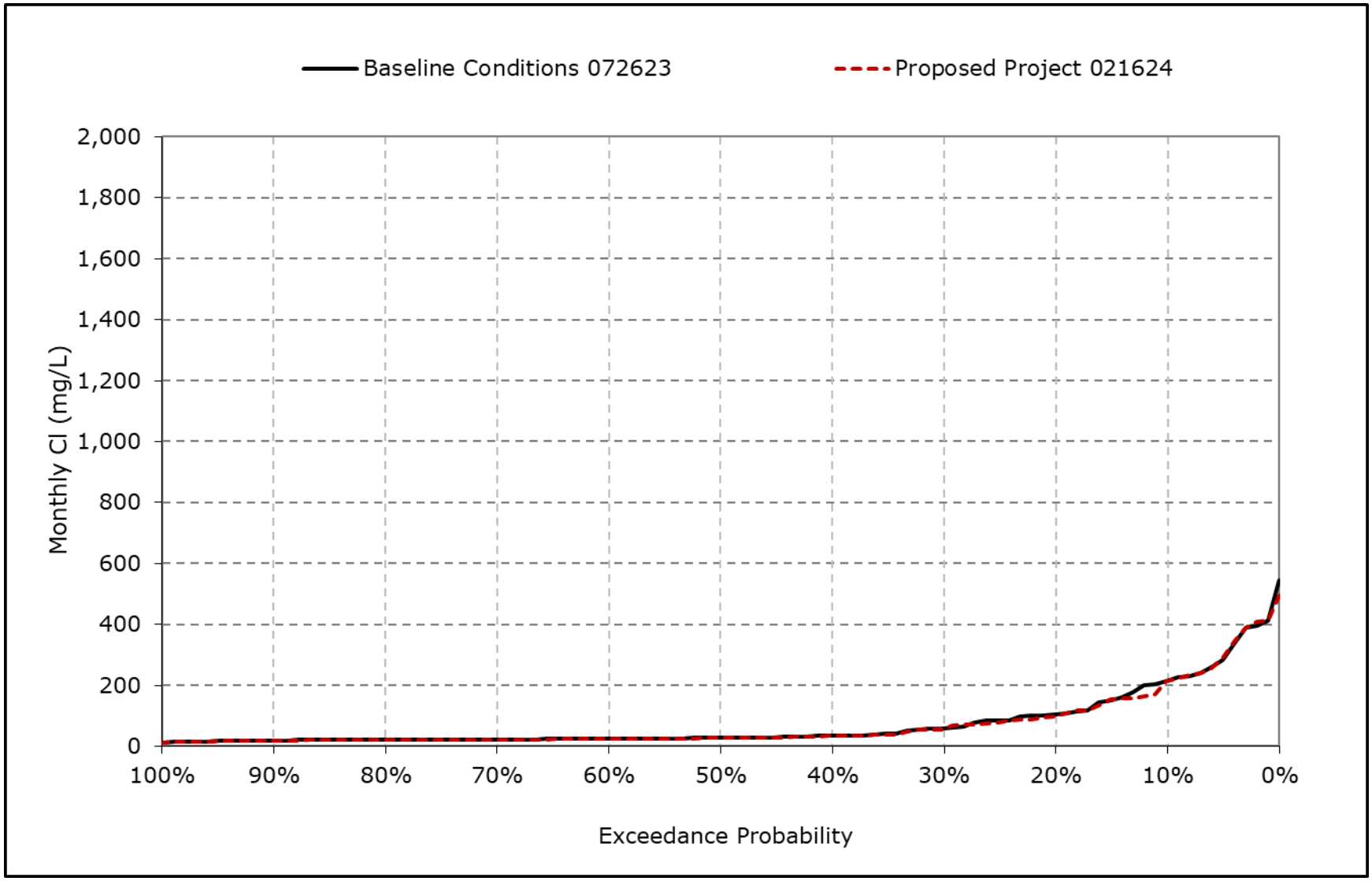
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-10l. San Joaquin River at Antioch Chloride, March Cl



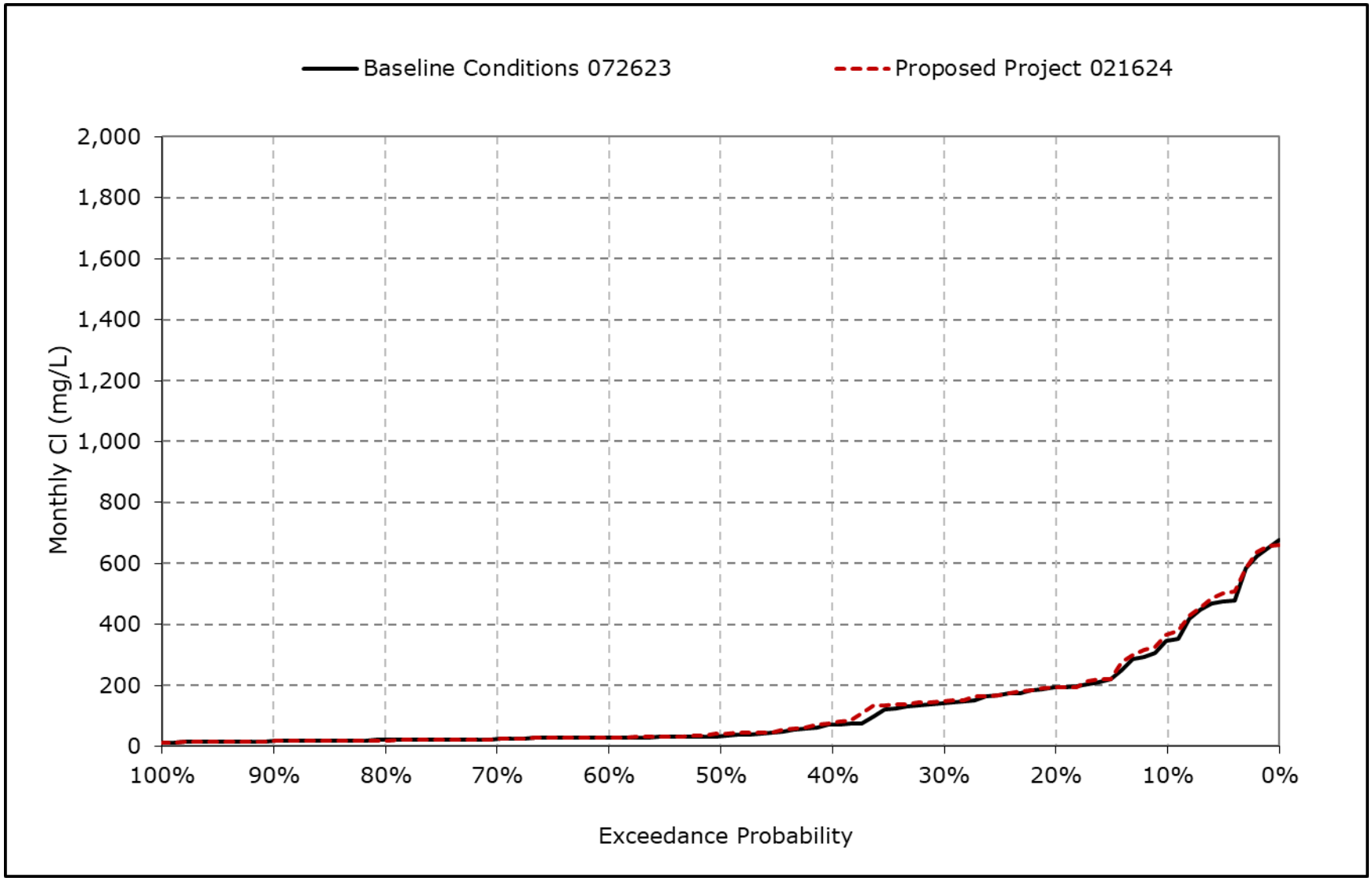
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-10m. San Joaquin River at Antioch Chloride, April Cl



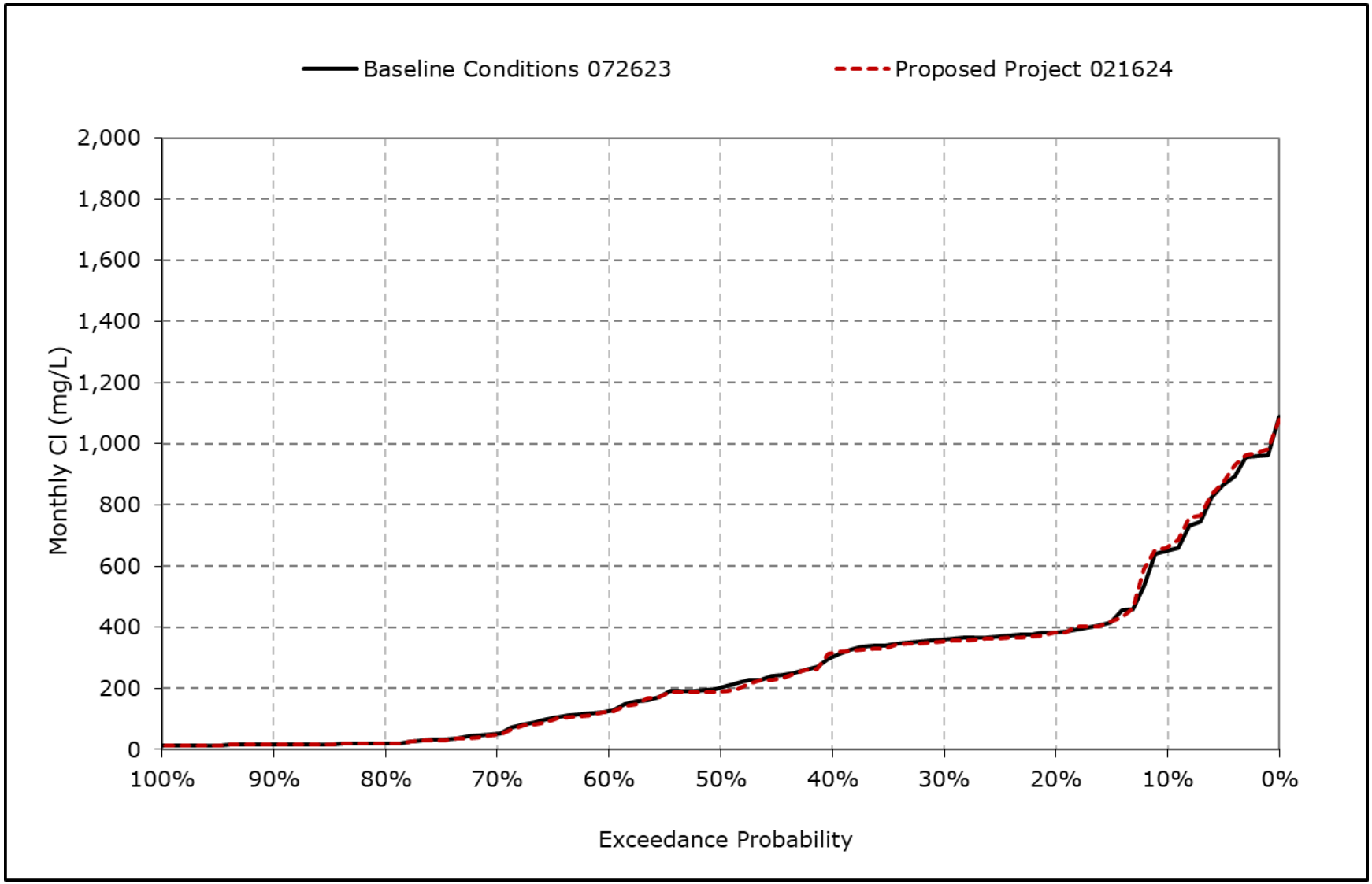
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-10n. San Joaquin River at Antioch Chloride, May Cl



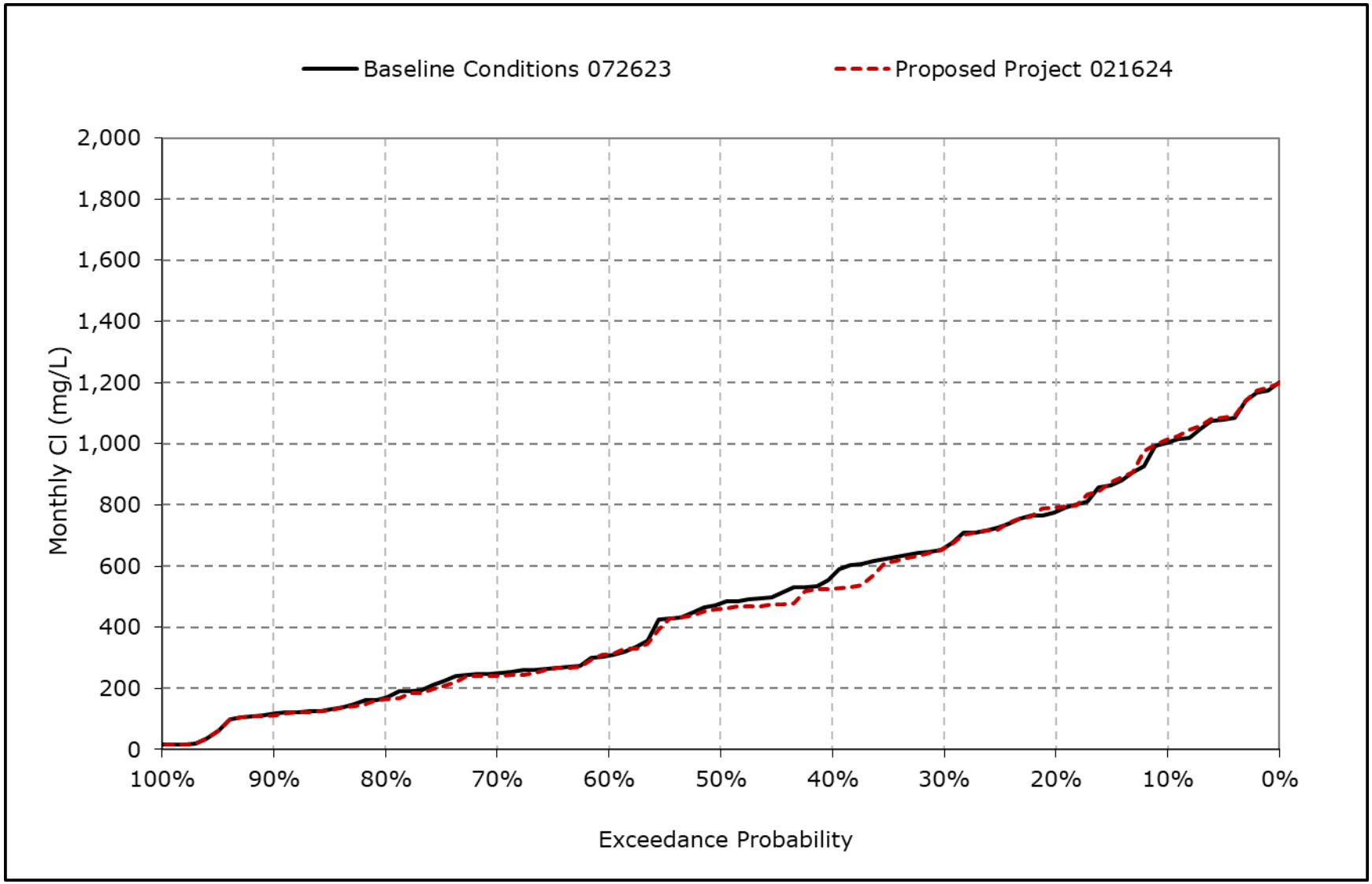
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-10o. San Joaquin River at Antioch Chloride, June Cl



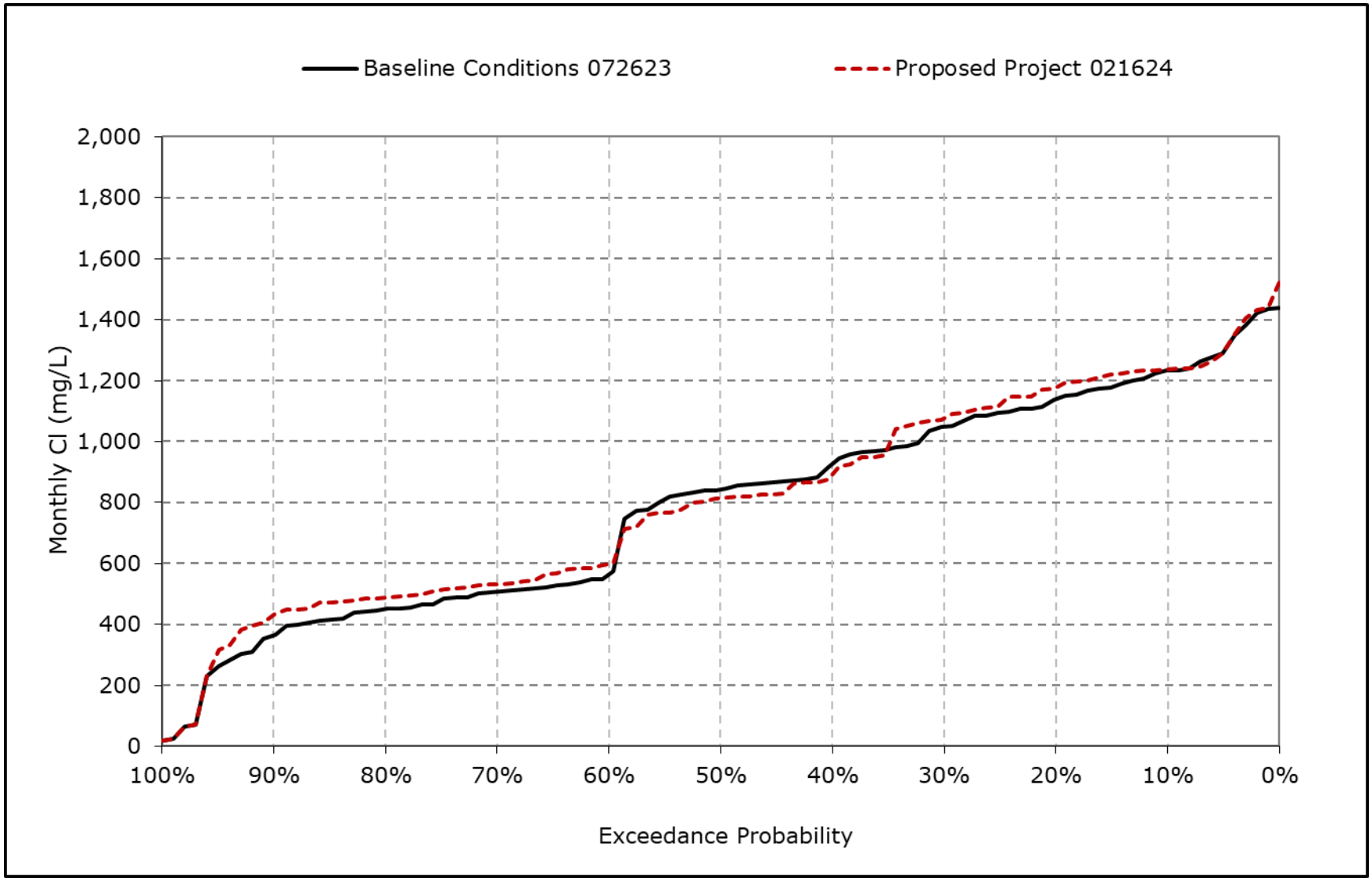
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-10p. San Joaquin River at Antioch Chloride, July Cl



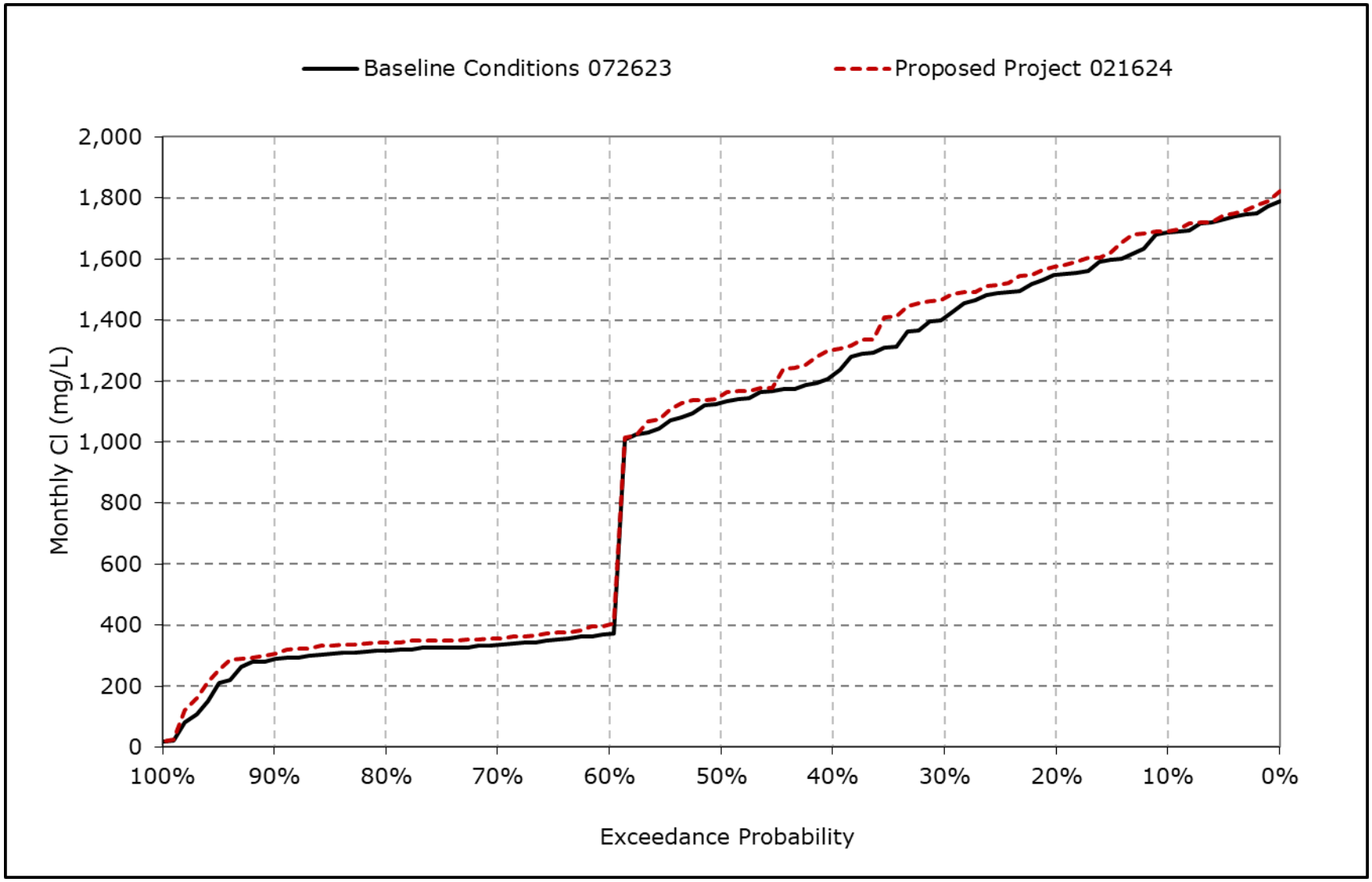
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-10q. San Joaquin River at Antioch Chloride, August Cl



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

Figure 4B-7-10r. San Joaquin River at Antioch Chloride, September Cl



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

Table 4B-7-11-1a. Banks Pumping Plant South Delta Exports Chloride, Baseline Conditions 072623, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	116	149	188	196	155	100	106	105	76	69	86	105
20% Exceedance	113	137	177	186	127	92	95	101	69	52	76	98
30% Exceedance	110	120	164	176	112	83	88	94	65	42	64	93
40% Exceedance	104	106	148	166	97	76	83	85	58	38	57	85
50% Exceedance	100	98	134	123	88	71	77	82	52	35	53	77
60% Exceedance	32	49	119	97	70	67	70	70	45	29	34	44
70% Exceedance	29	39	102	70	61	61	62	57	41	28	29	36
80% Exceedance	29	37	84	61	53	56	49	43	33	26	28	34
90% Exceedance	28	34	40	48	41	34	25	25	19	23	26	28
Full Simulation Period Average[a]	76	87	129	125	91	72	71	72	51	40	51	68
Wet Water Years (30%)	72	74	91	78	60	47	39	37	27	24	27	32
Above Normal Years (11%)	78	90	145	121	82	74	75	72	43	27	29	35
Below Normal Years (21%)	66	76	123	134	94	78	79	78	55	35	56	98
Dry Water Years (22%)	73	87	147	154	109	79	86	94	62	46	75	88
Critical Water Years (16%)	97	123	172	164	126	101	100	98	83	73	75	89

Table 4B-7-11-1b. Banks Pumping Plant South Delta Exports Chloride, Proposed Project 021624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	121	150	189	192	148	106	103	102	75	70	89	106
20% Exceedance	114	137	176	181	126	94	97	98	68	53	76	100
30% Exceedance	108	114	162	173	114	87	91	92	62	42	64	94
40% Exceedance	104	108	146	165	100	79	86	84	57	38	58	88
50% Exceedance	99	97	136	124	88	73	78	80	54	34	51	82
60% Exceedance	34	48	123	98	72	70	71	62	42	29	38	48
70% Exceedance	30	40	102	72	63	63	58	49	36	27	30	41
80% Exceedance	29	37	83	61	54	54	46	40	32	26	28	37
90% Exceedance	28	35	41	48	41	33	26	24	19	23	27	30
Full Simulation Period Average[a]	76	87	128	124	91	74	72	68	50	40	52	70
Wet Water Years (30%)	73	75	92	78	60	47	38	32	25	24	28	34
Above Normal Years (11%)	79	92	143	124	83	76	75	61	40	27	31	40
Below Normal Years (21%)	66	75	124	133	96	82	81	79	54	34	55	96
Dry Water Years (22%)	73	85	145	152	111	83	88	93	61	47	78	94
Critical Water Years (16%)	101	125	169	161	120	98	97	94	81	73	75	90

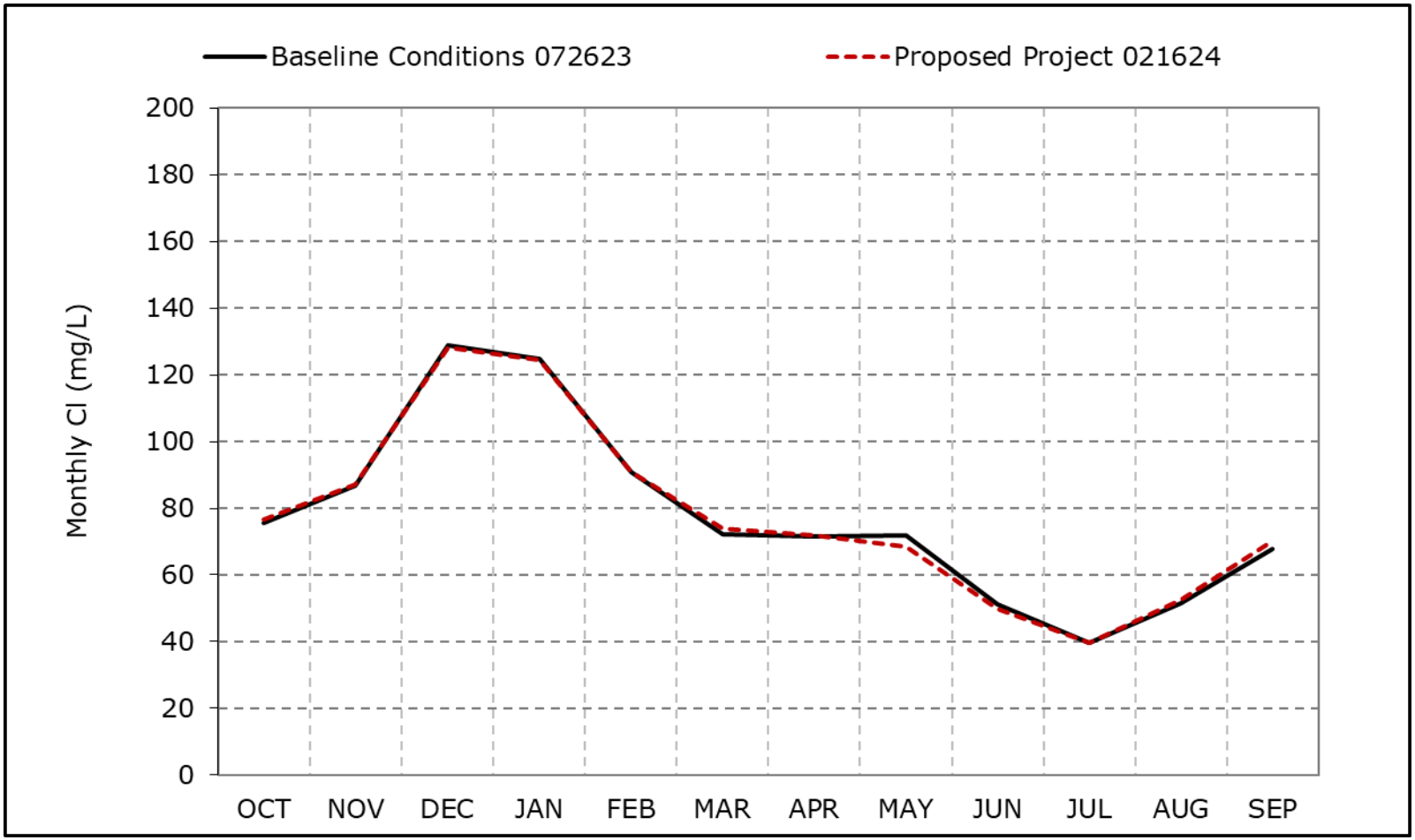
Table 4B-7-11-1c. Banks Pumping Plant South Delta Exports Chloride, Proposed Project 021624 minus Baseline Conditions 072623, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	5	1	1	-4	-8	6	-3	-4	-1	1	2	1
20% Exceedance	1	0	-1	-5	-1	2	3	-3	-1	1	1	1
30% Exceedance	-2	-6	-3	-3	1	3	3	-3	-3	0	1	1
40% Exceedance	-1	2	-2	-2	3	3	2	-1	-1	0	1	3
50% Exceedance	-1	-2	2	1	0	3	1	-2	1	-1	-2	5
60% Exceedance	2	0	4	0	2	3	1	-8	-3	0	5	4
70% Exceedance	1	1	0	2	2	2	-4	-7	-5	0	1	4
80% Exceedance	1	0	-1	1	2	-2	-3	-4	-1	0	0	3
90% Exceedance	0	1	1	0	0	-1	1	0	0	0	1	2
Full Simulation Period Average[a]	1	0	-1	-1	0	1	0	-3	-2	0	1	2
Wet Water Years (30%)	1	1	1	0	0	0	-1	-5	-2	0	1	2
Above Normal Years (11%)	2	1	-2	3	1	2	0	-11	-4	0	2	4
Below Normal Years (21%)	0	-1	1	0	1	4	2	0	-1	-1	-1	-2
Dry Water Years (22%)	0	-2	-2	-2	2	4	2	-1	0	1	4	6
Critical Water Years (16%)	3	3	-3	-3	-6	-3	-2	-4	-3	0	0	1

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

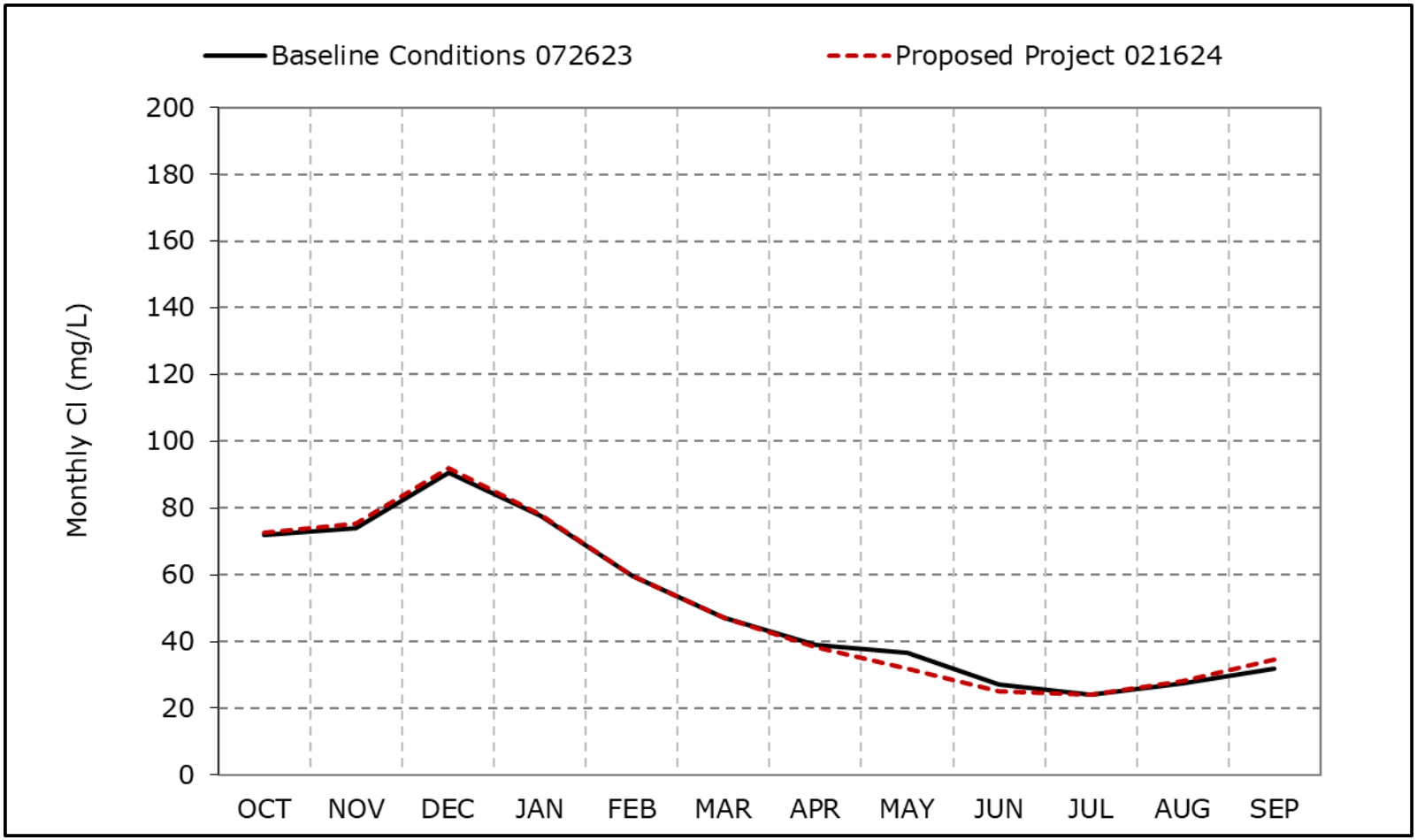
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-7-11a. Banks Pumping Plant South Delta Exports Chloride, Long-Term Average Cl



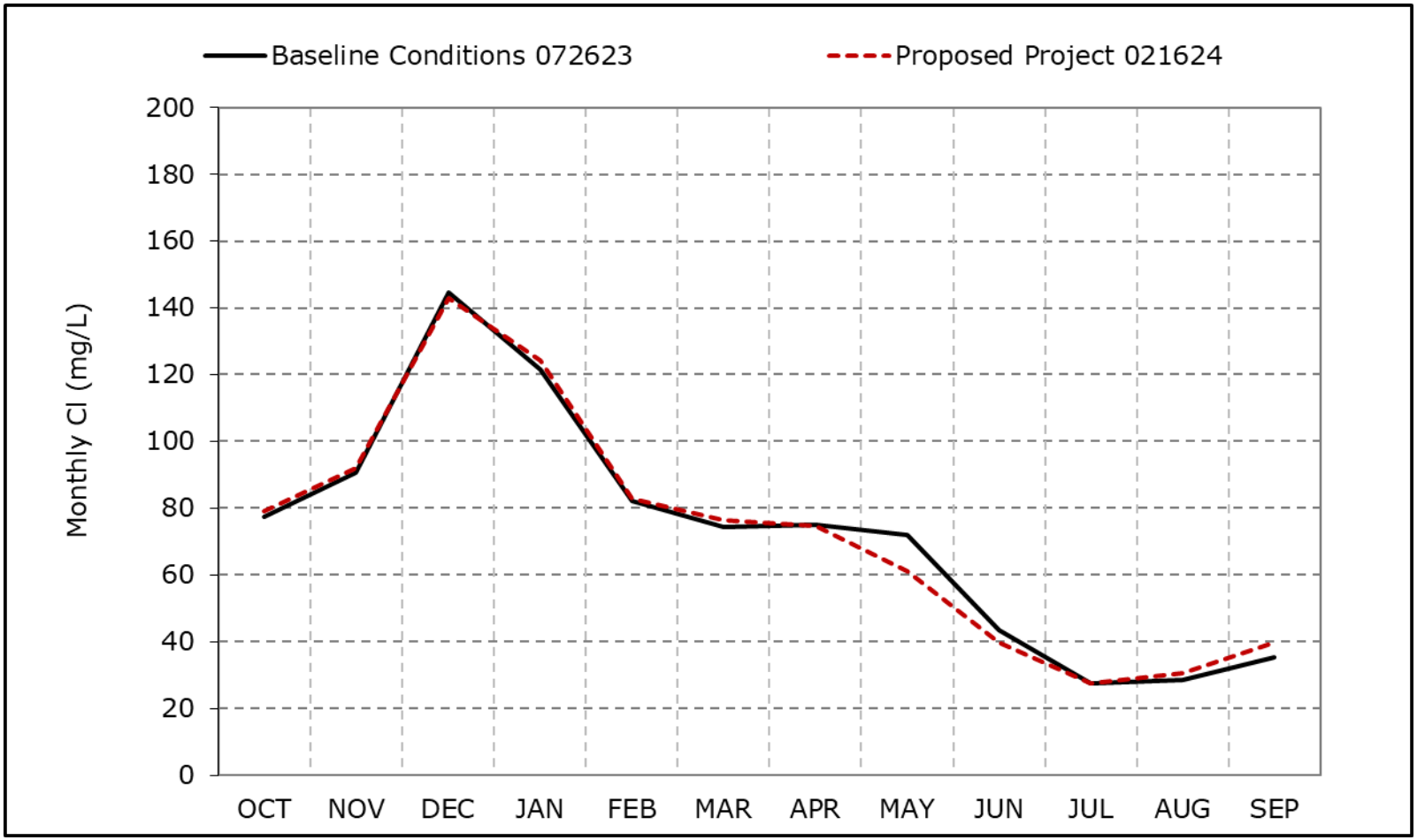
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-11b. Banks Pumping Plant South Delta Exports Chloride, Wet Year Average Cl



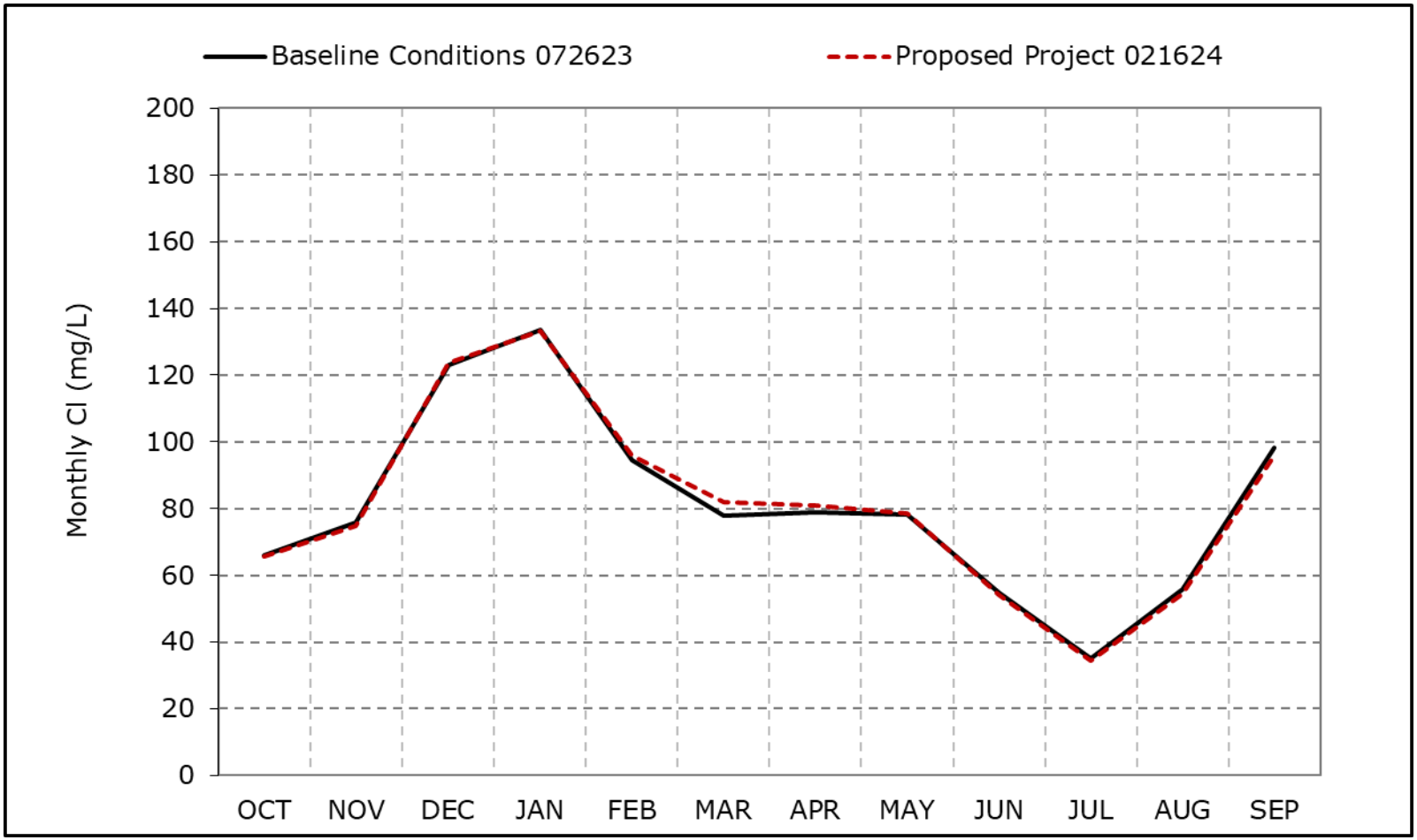
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-11c. Banks Pumping Plant South Delta Exports Chloride, Above Normal Year Average Cl



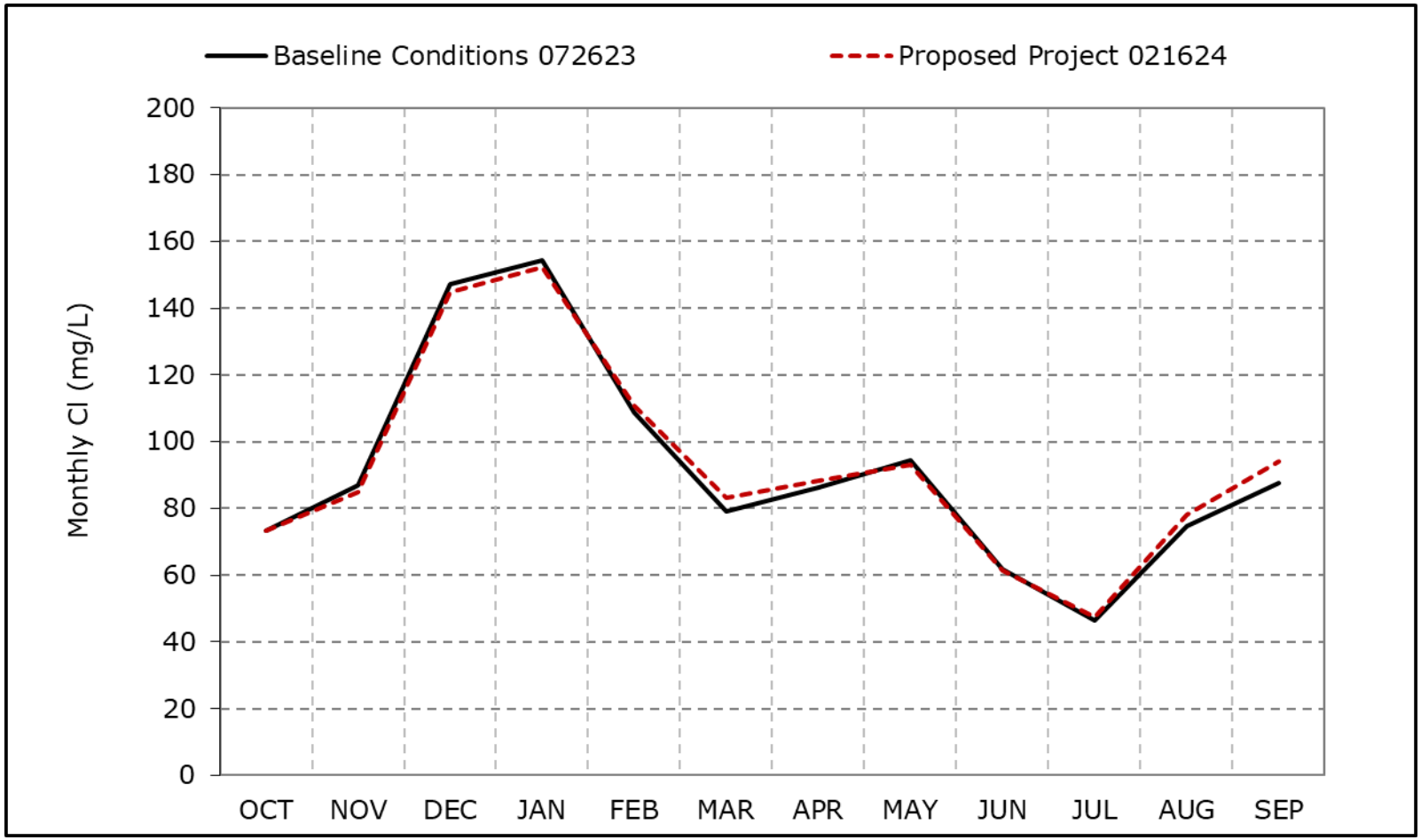
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-11d. Banks Pumping Plant South Delta Exports Chloride, Below Normal Year Average Cl



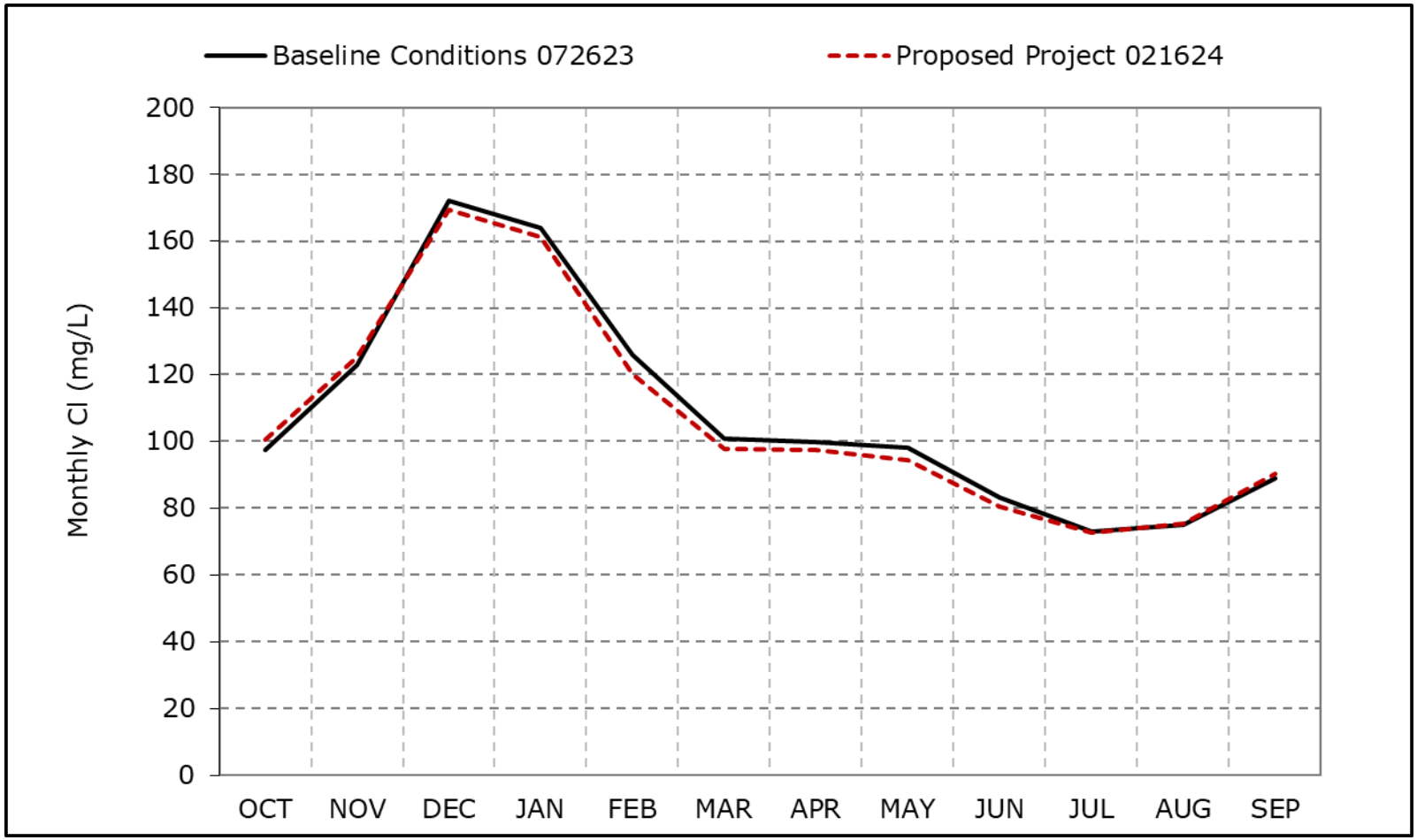
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-11e. Banks Pumping Plant South Delta Exports Chloride, Dry Year Average Cl



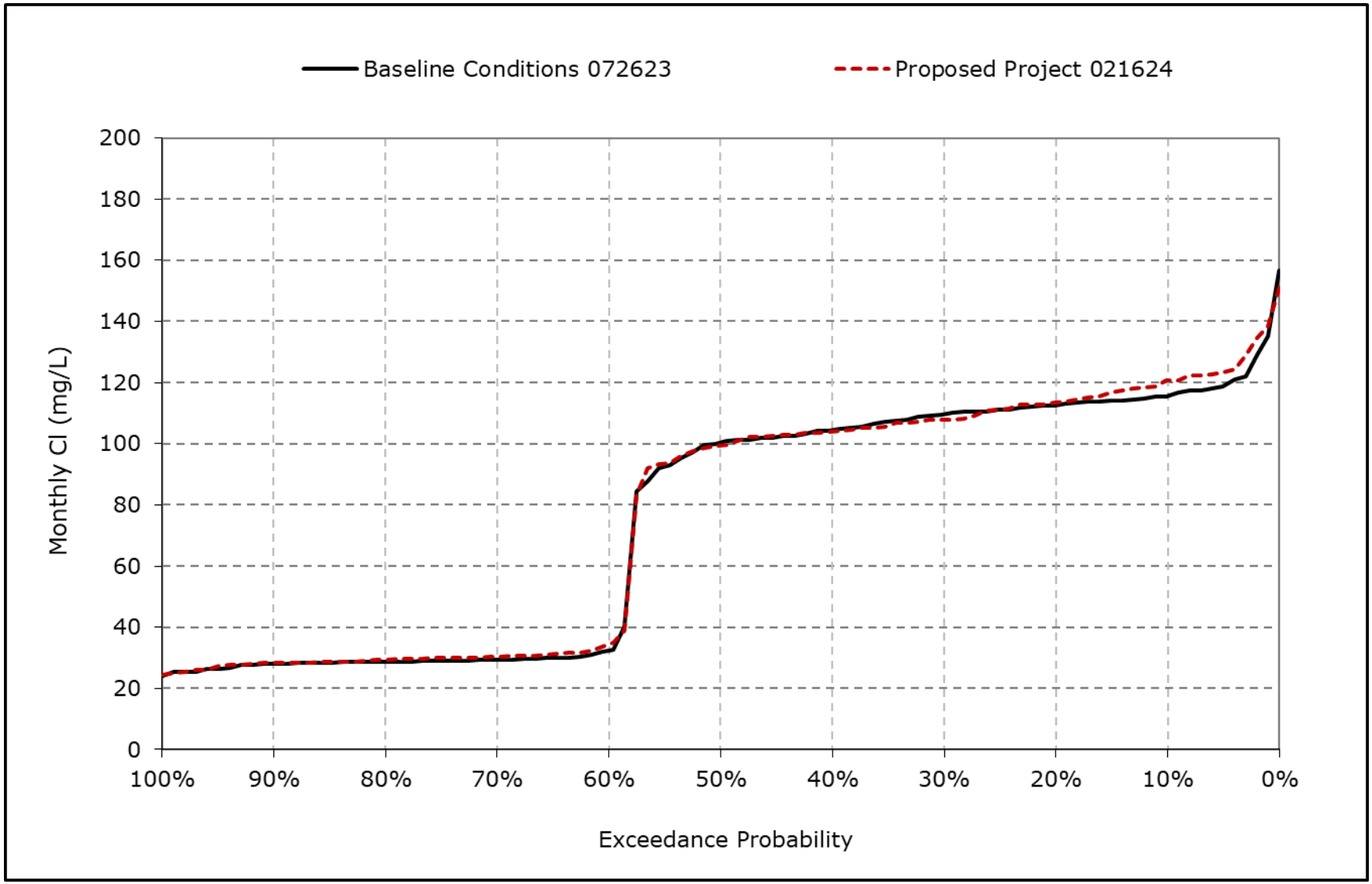
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-11f. Banks Pumping Plant South Delta Exports Chloride, Critical Year Average Cl



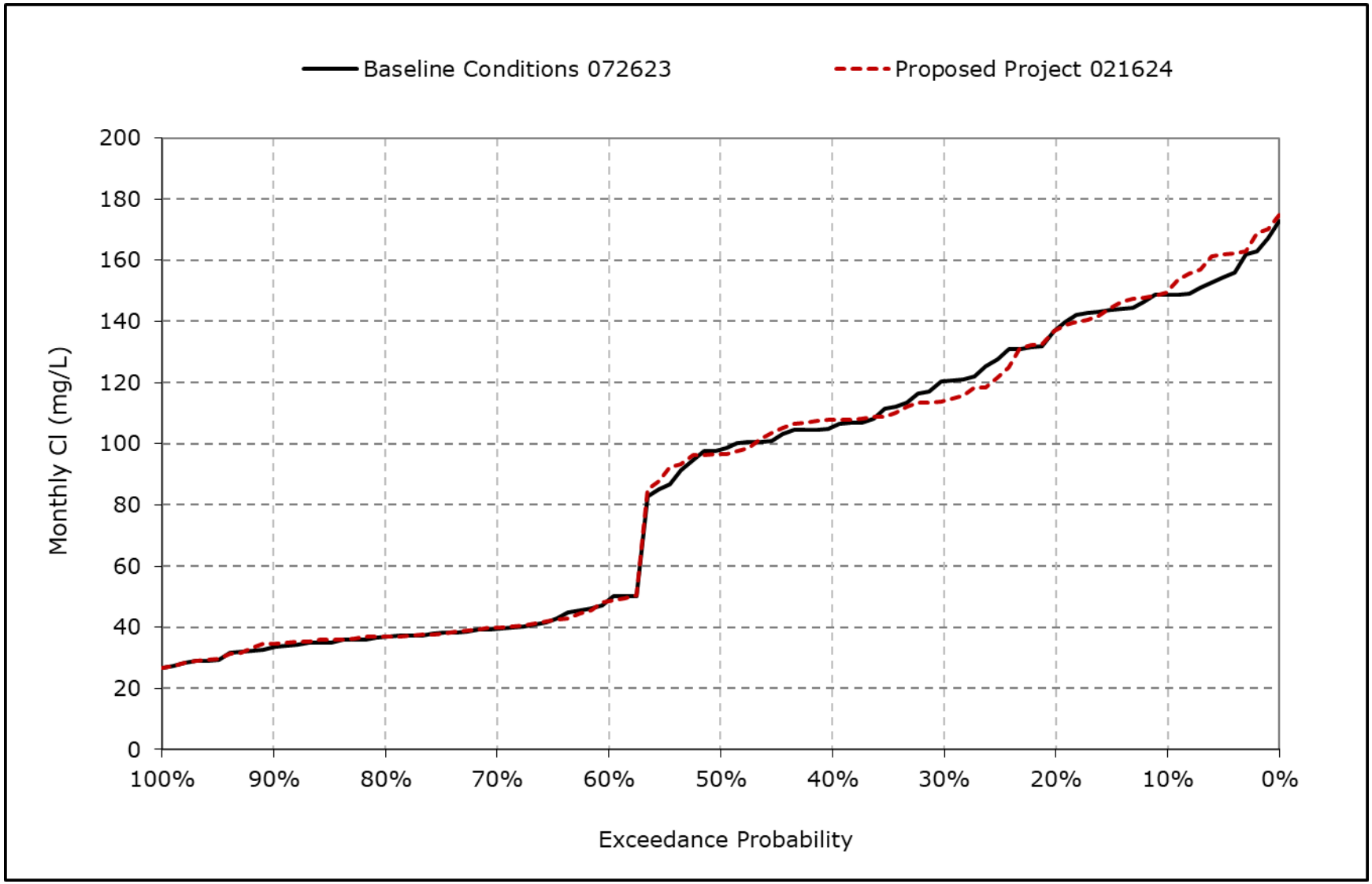
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-11g. Banks Pumping Plant South Delta Exports Chloride, October Cl



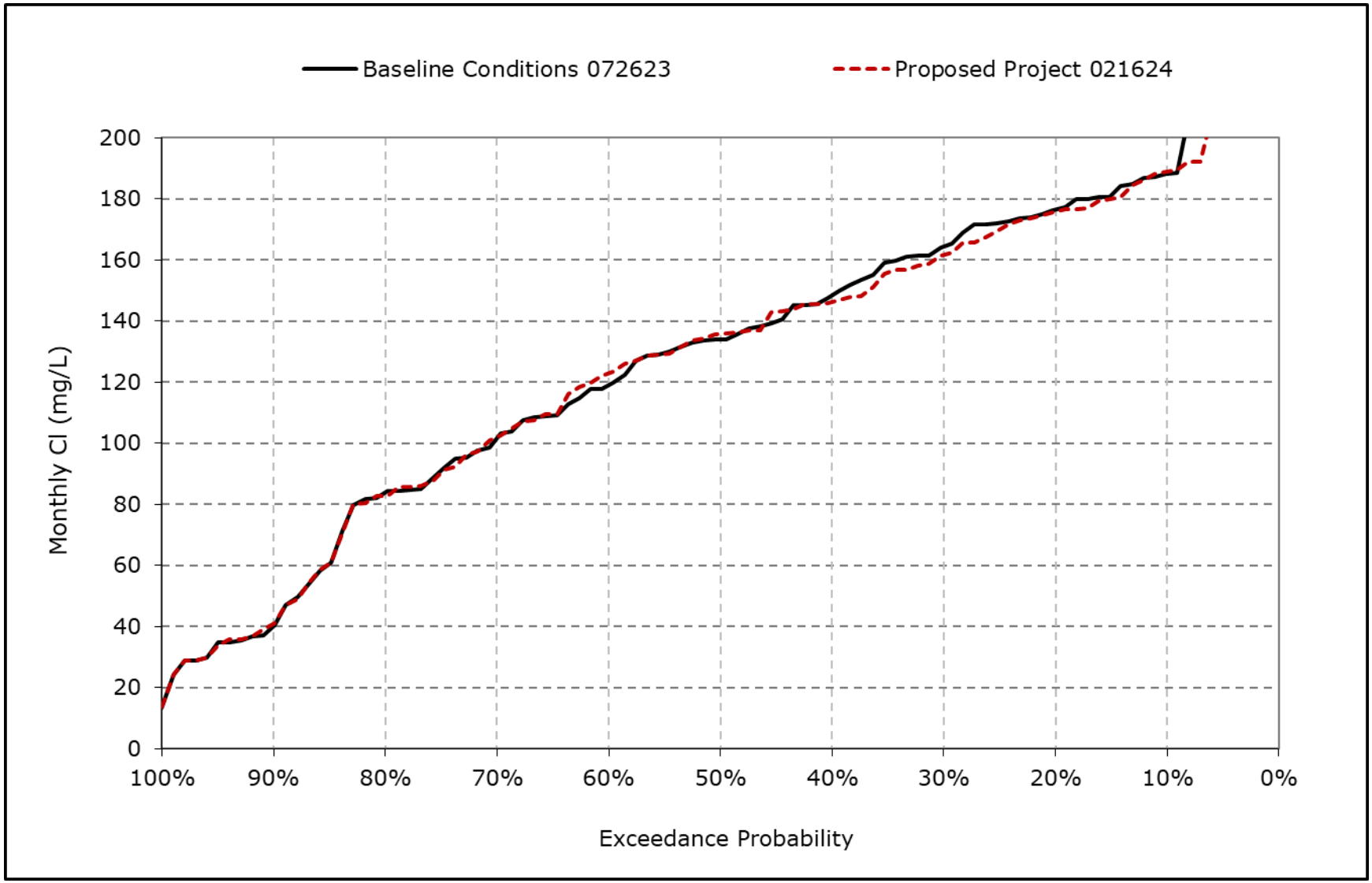
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-11h. Banks Pumping Plant South Delta Exports Chloride, November Cl



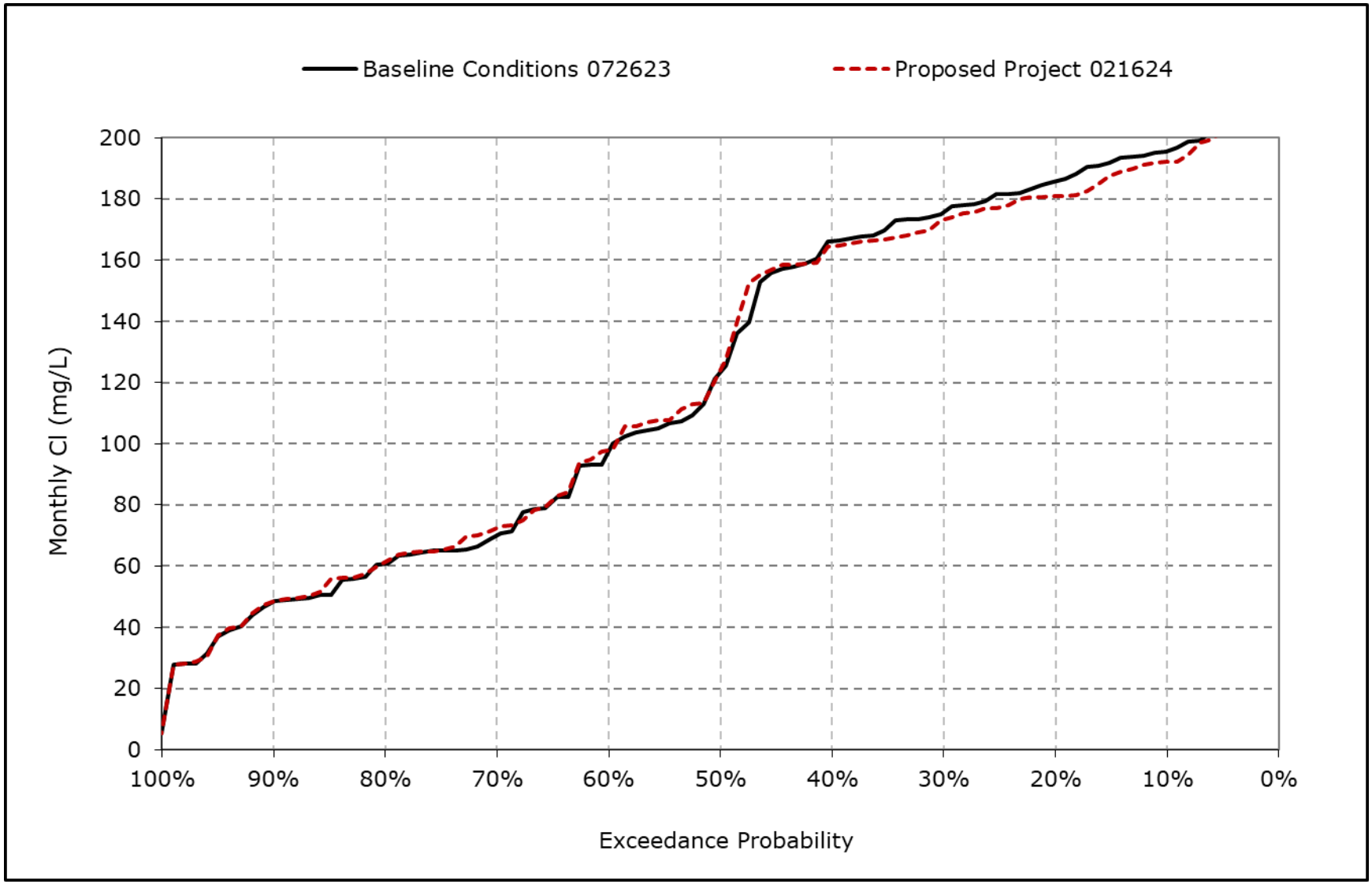
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-11i. Banks Pumping Plant South Delta Exports Chloride, December Cl



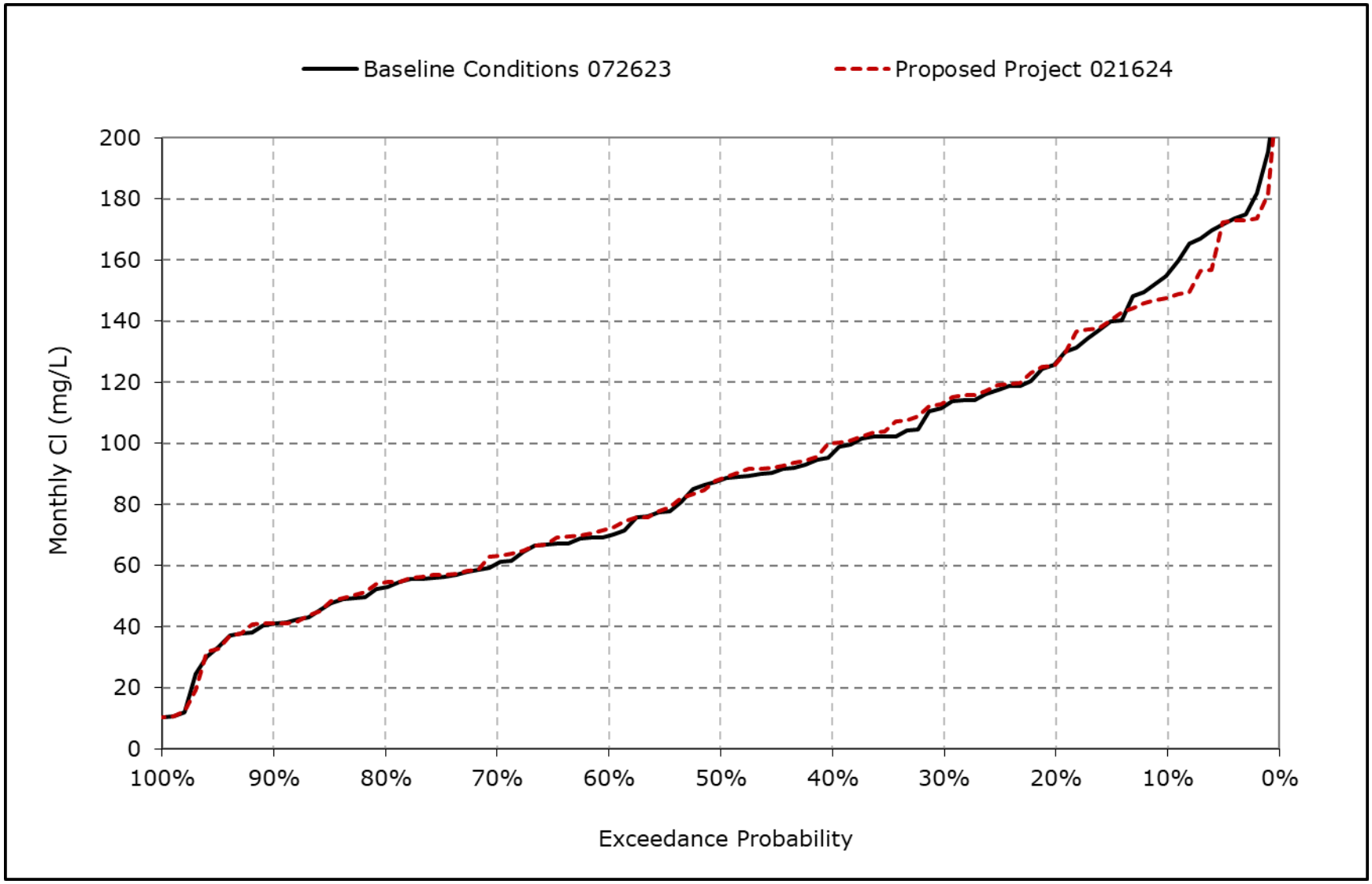
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-11j. Banks Pumping Plant South Delta Exports Chloride, January Cl



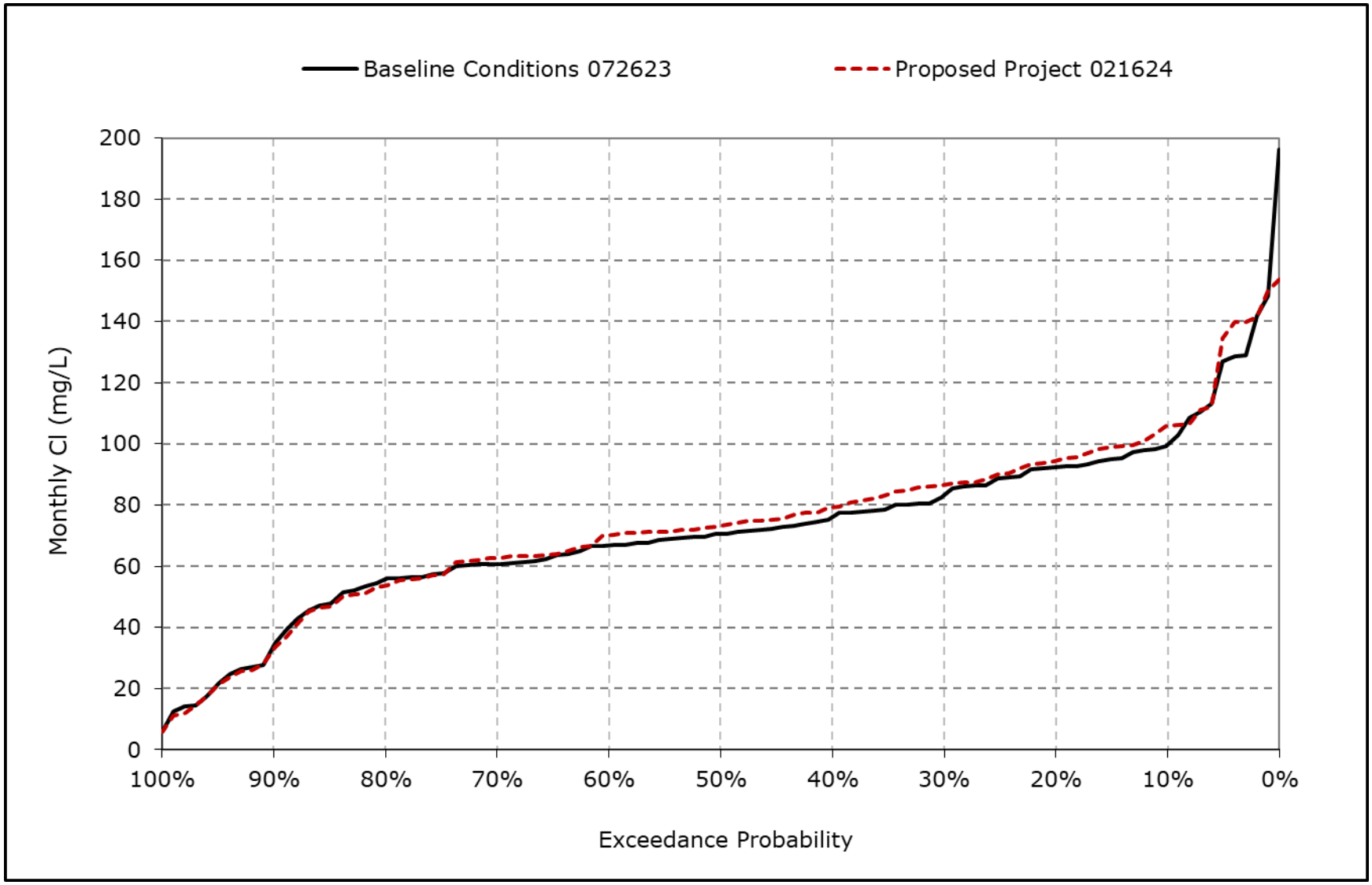
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-11k. Banks Pumping Plant South Delta Exports Chloride, February Cl



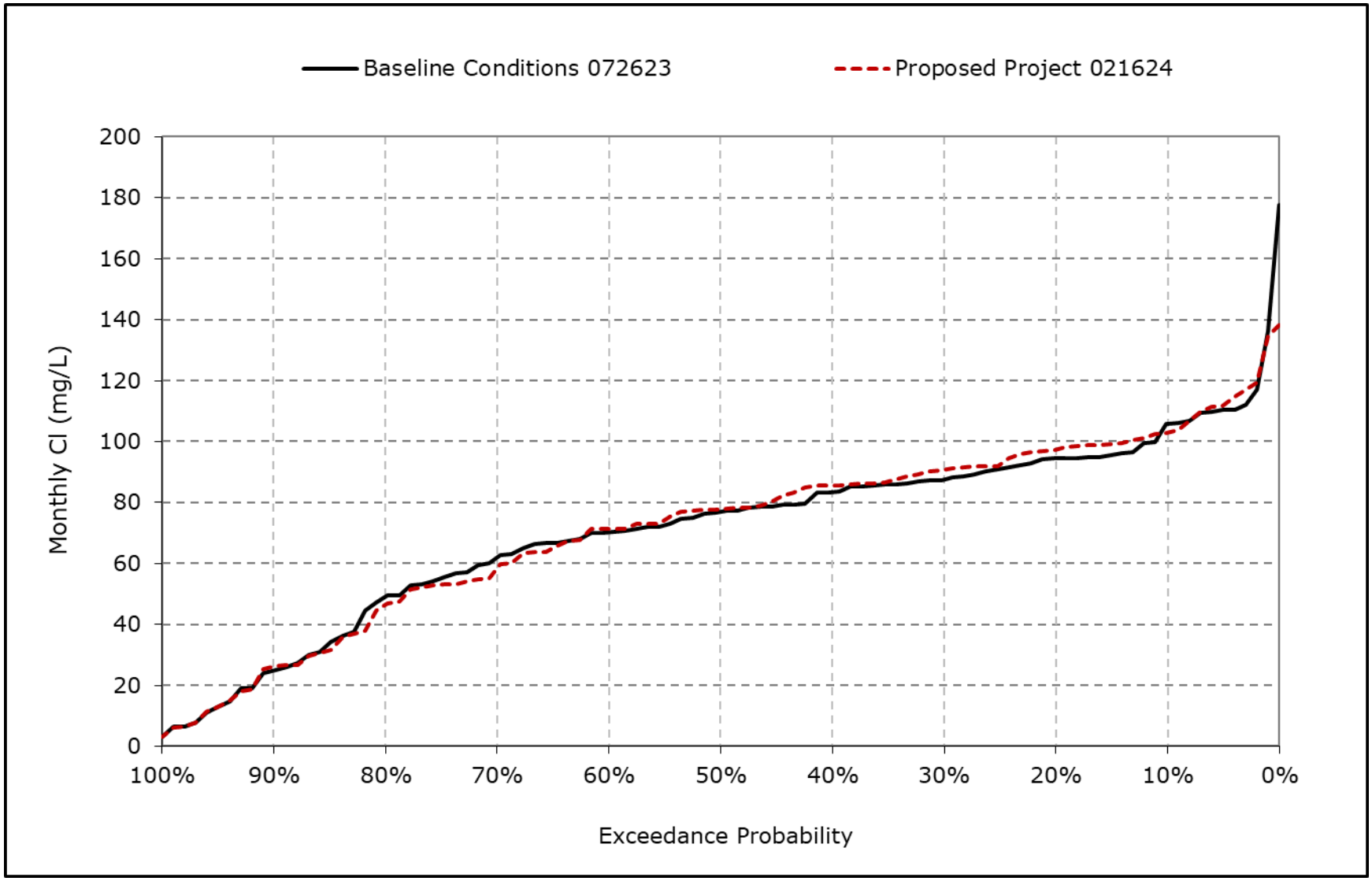
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-11l. Banks Pumping Plant South Delta Exports Chloride, March Cl



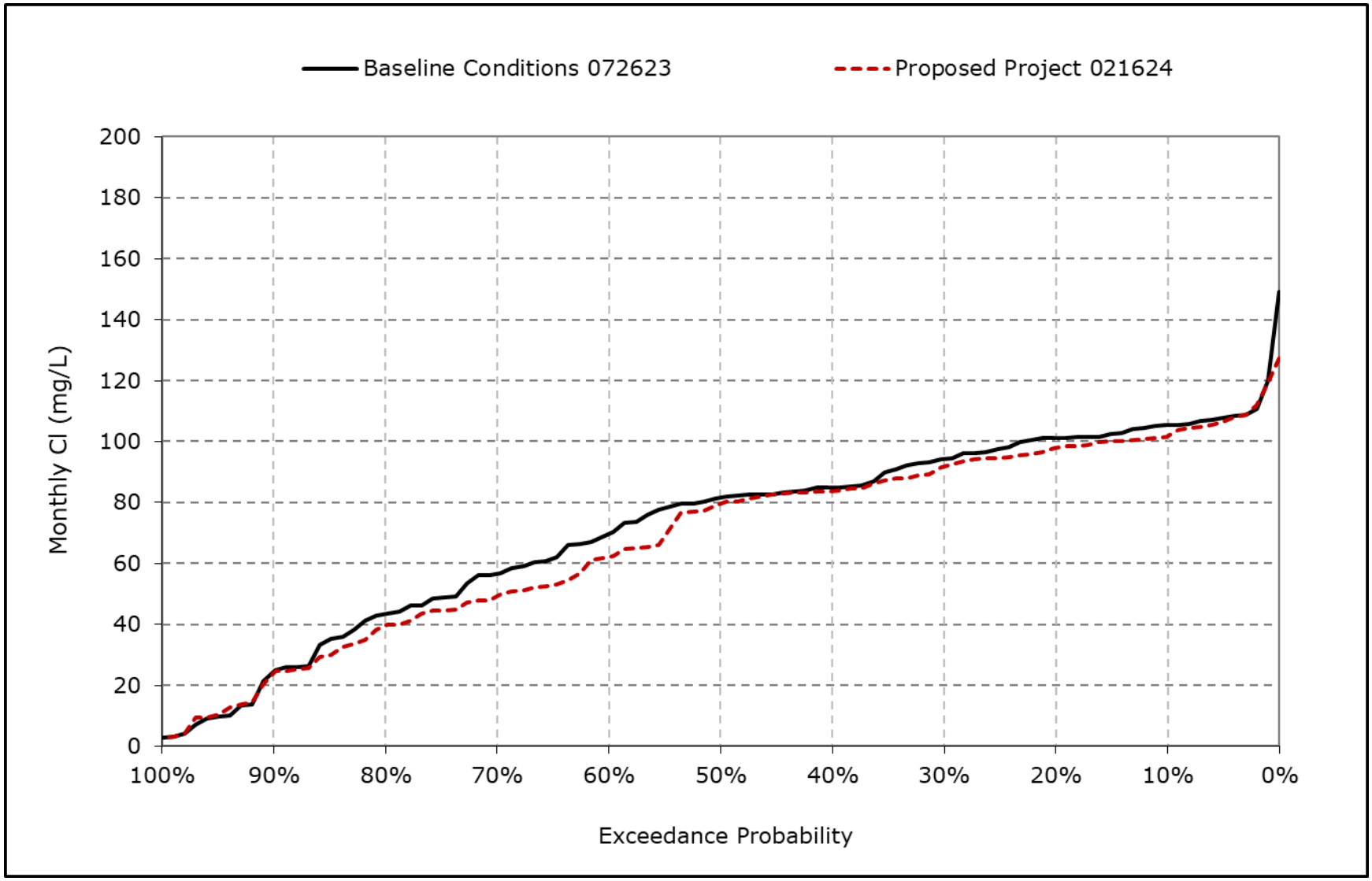
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-11m. Banks Pumping Plant South Delta Exports Chloride, April Cl



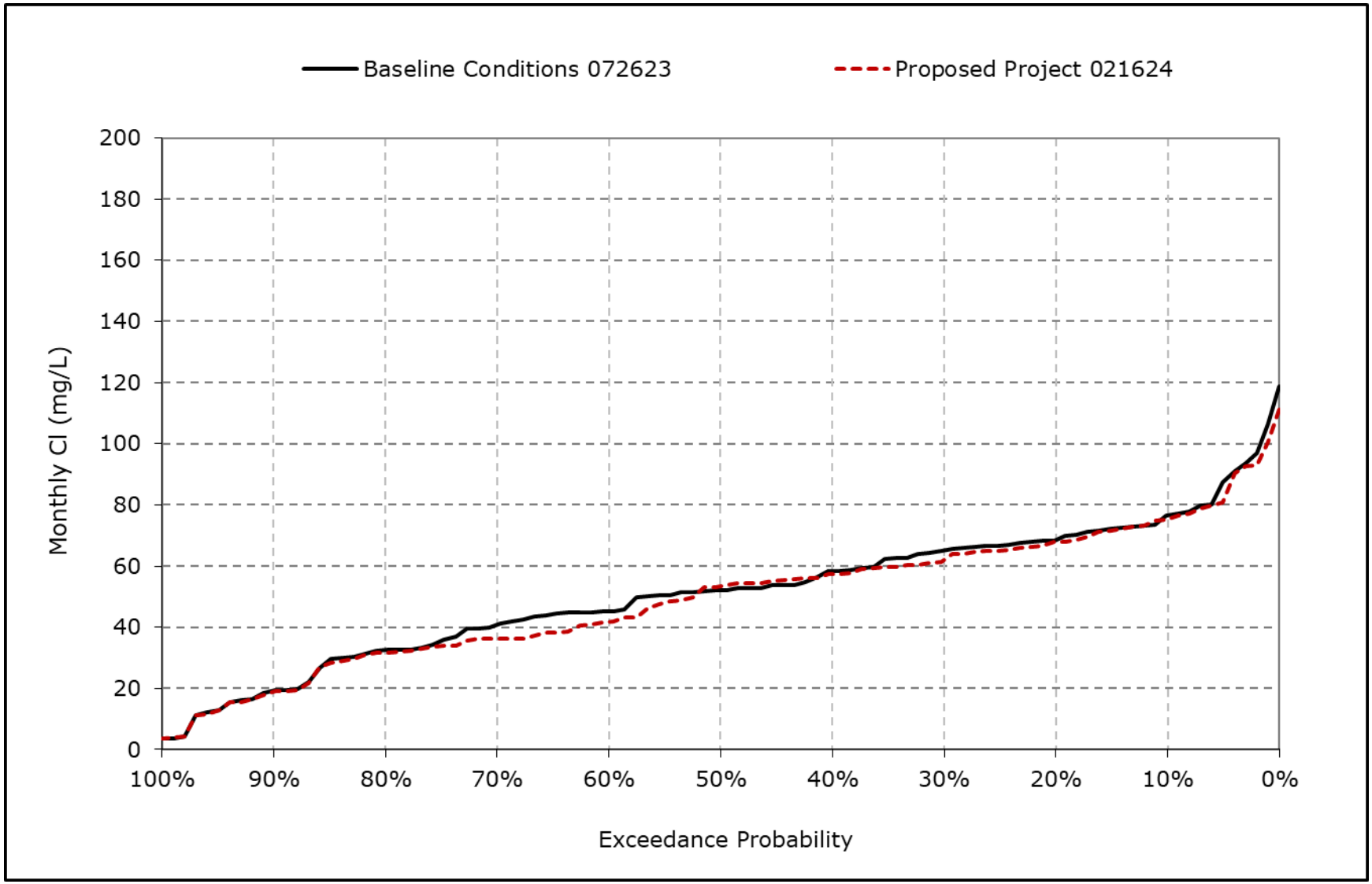
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-11n. Banks Pumping Plant South Delta Exports Chloride, May Cl



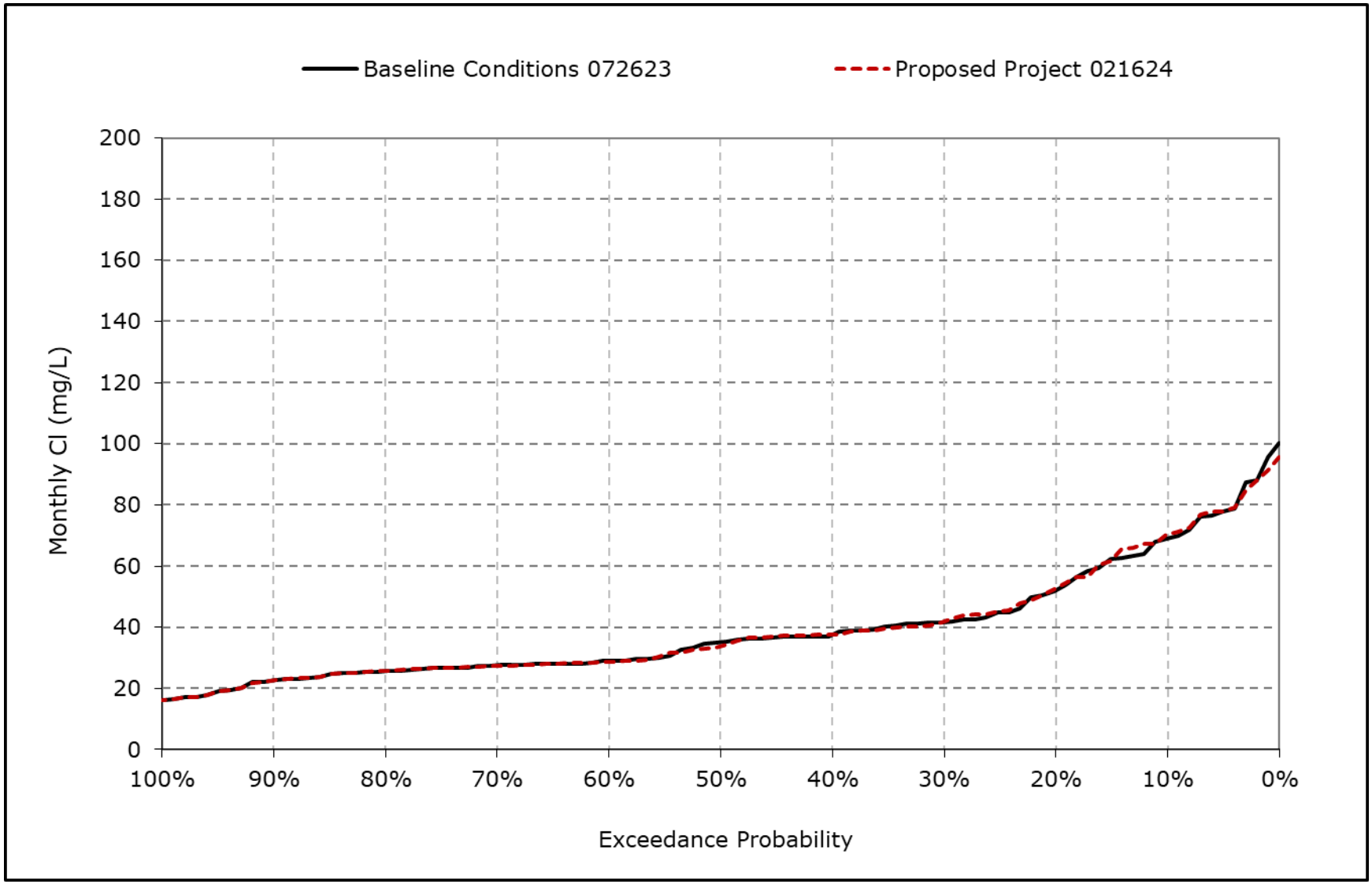
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-11o. Banks Pumping Plant South Delta Exports Chloride, June Cl



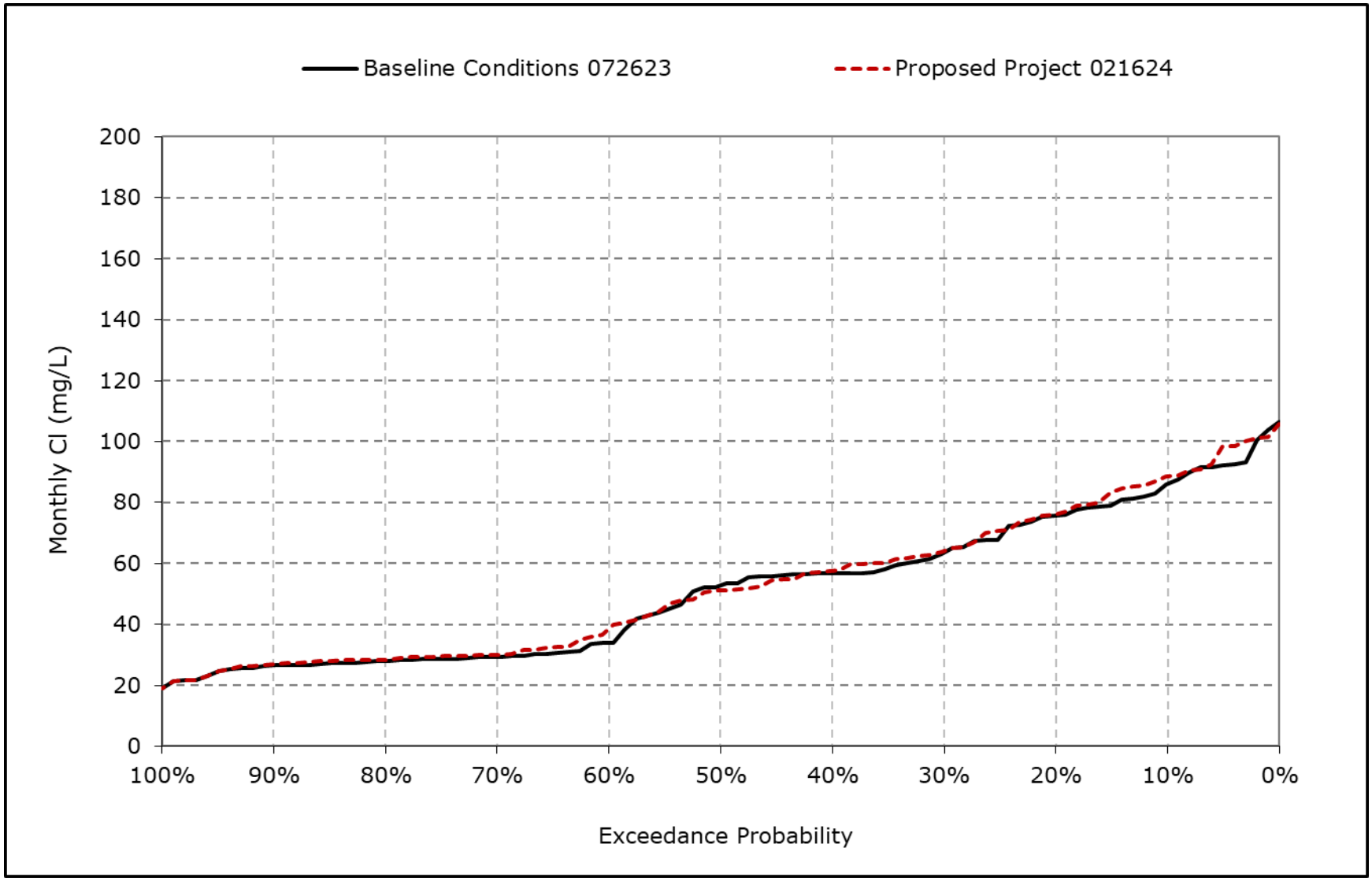
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-11p. Banks Pumping Plant South Delta Exports Chloride, July Cl



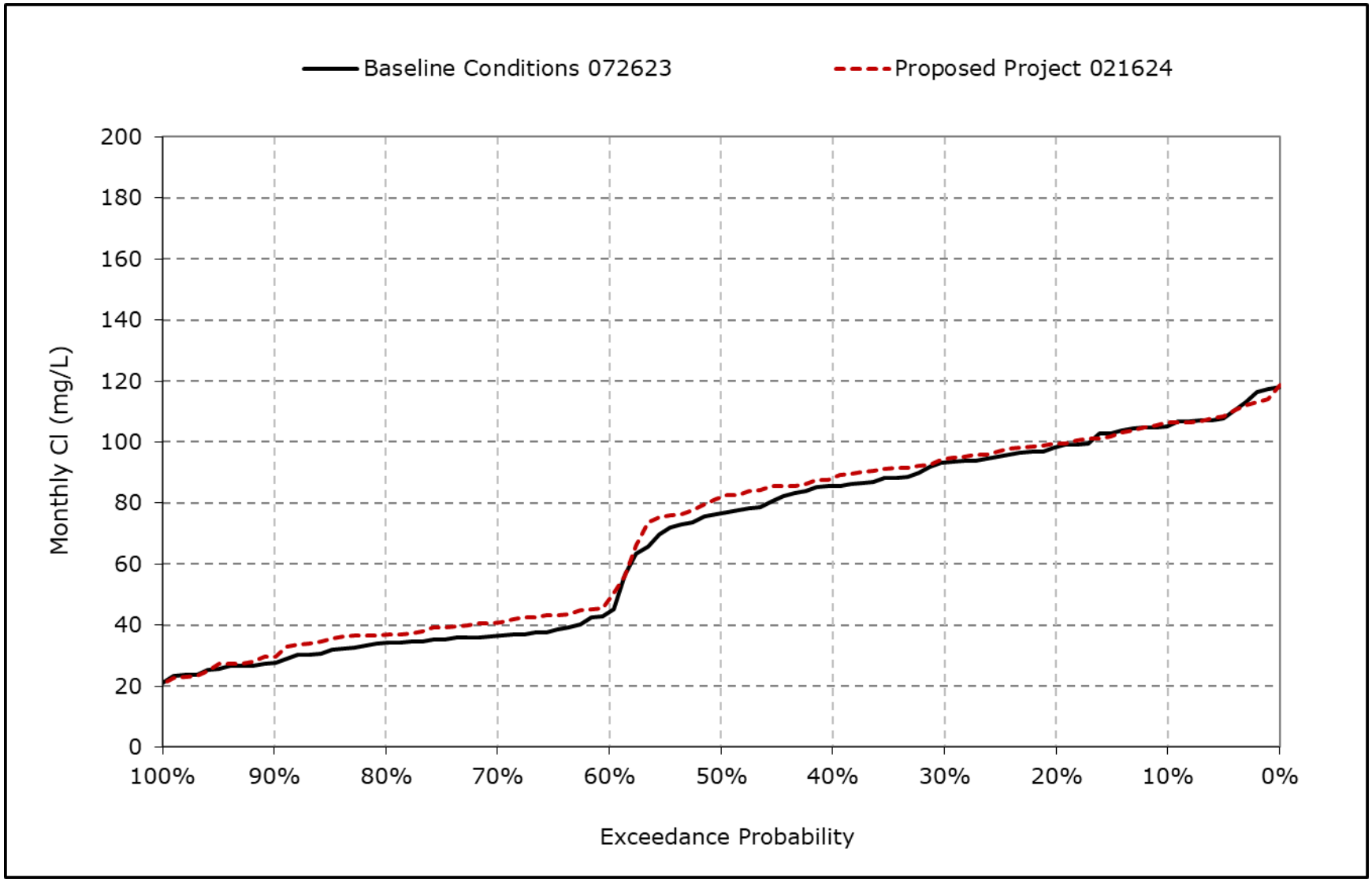
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-11q. Banks Pumping Plant South Delta Exports Chloride, August Cl



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

Figure 4B-7-11r. Banks Pumping Plant South Delta Exports Chloride, September Cl



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

Table 4B-7-12-1a. Jones Pumping Plant South Delta Exports Chloride, Baseline Conditions 072623, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	129	164	191	181	161	142	129	106	81	76	88	109
20% Exceedance	123	147	173	173	141	132	124	101	68	62	84	103
30% Exceedance	120	130	170	166	128	121	121	98	65	53	74	99
40% Exceedance	115	117	160	155	117	114	117	92	61	51	68	94
50% Exceedance	109	112	151	136	109	109	108	78	57	49	64	89
60% Exceedance	63	75	141	113	97	102	76	62	55	45	50	55
70% Exceedance	55	68	117	99	86	74	58	50	51	40	44	52
80% Exceedance	53	63	98	85	63	57	39	37	40	37	42	49
90% Exceedance	49	59	71	62	35	27	20	17	15	29	37	40
Full Simulation Period Average[a]	92	105	139	129	104	97	86	70	54	49	62	78
Wet Water Years (30%)	86	92	108	92	66	51	37	32	30	33	39	45
Above Normal Years (11%)	96	111	154	134	107	95	75	60	50	43	43	51
Below Normal Years (21%)	83	96	134	135	112	106	93	72	58	47	67	103
Dry Water Years (22%)	89	103	154	148	123	120	121	98	62	58	82	94
Critical Water Years (16%)	113	139	172	160	138	139	127	106	83	75	81	101

Table 4B-7-12-1b. Jones Pumping Plant South Delta Exports Chloride, Proposed Project 021624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	132	166	187	176	157	144	128	105	81	77	90	109
20% Exceedance	124	146	173	172	143	134	124	100	68	61	85	105
30% Exceedance	120	126	168	163	130	122	121	97	65	53	75	100
40% Exceedance	113	119	158	154	118	117	118	92	62	51	69	96
50% Exceedance	105	111	151	137	111	113	110	79	58	48	63	92
60% Exceedance	64	76	140	116	98	101	76	56	54	44	54	60
70% Exceedance	56	67	117	100	89	74	57	50	51	40	45	55
80% Exceedance	53	63	99	86	63	56	40	36	41	37	43	52
90% Exceedance	50	60	71	62	35	27	20	17	15	29	37	43
Full Simulation Period Average[a]	92	105	138	129	105	98	86	69	54	49	63	80
Wet Water Years (30%)	87	93	108	92	66	51	37	31	30	33	40	47
Above Normal Years (11%)	97	111	154	136	108	96	75	57	50	42	45	55
Below Normal Years (21%)	83	96	135	135	113	109	93	72	58	47	66	101
Dry Water Years (22%)	89	101	153	147	125	122	121	98	63	58	86	99
Critical Water Years (16%)	115	140	170	157	136	139	126	105	83	75	81	102

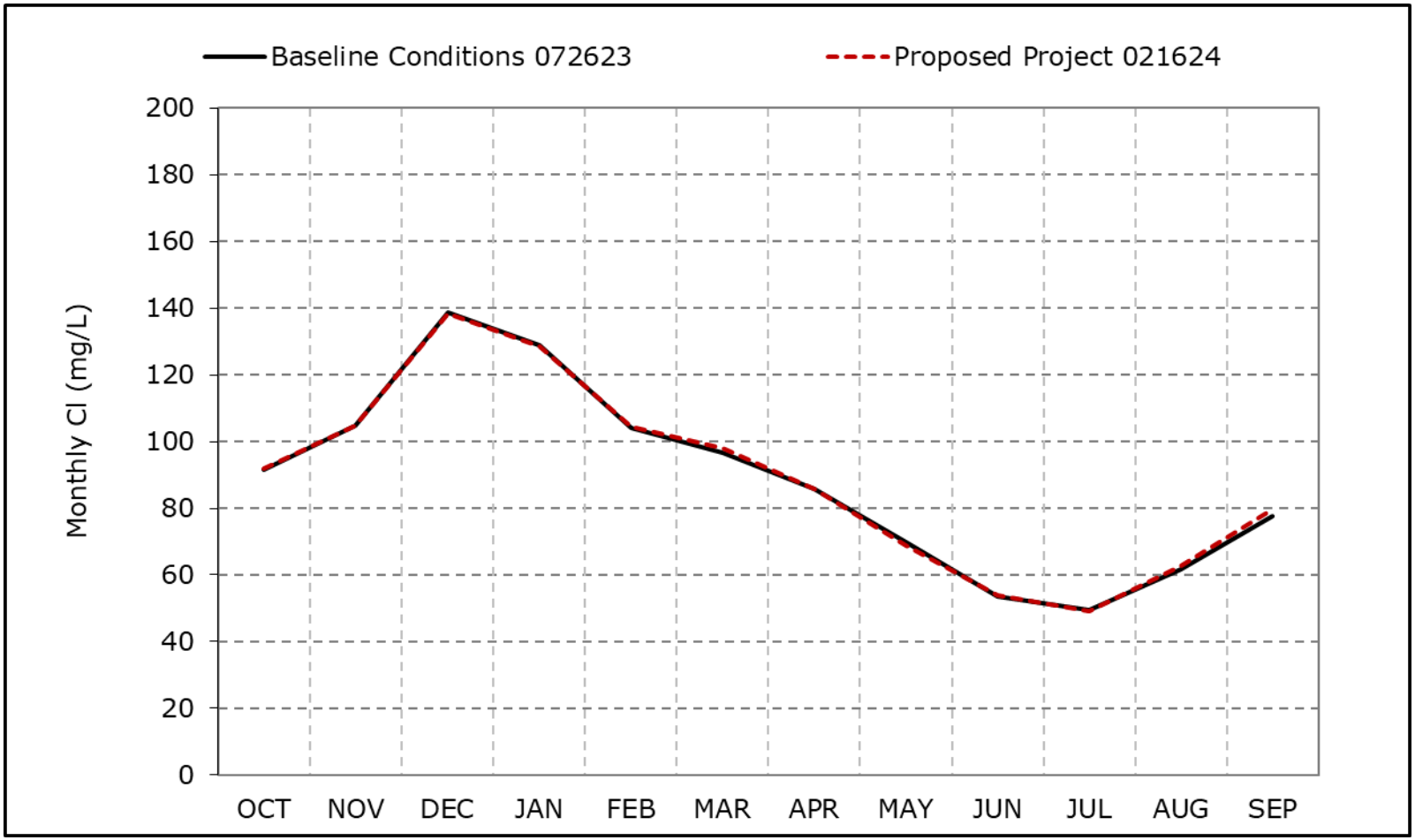
Table 4B-7-12-1c. Jones Pumping Plant South Delta Exports Chloride, Proposed Project 021624 minus Baseline Conditions 072623, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3	2	-4	-5	-3	2	0	-1	-1	1	2	0
20% Exceedance	1	0	0	-1	1	2	0	-1	0	-1	1	1
30% Exceedance	0	-4	-2	-2	2	2	-1	0	-1	0	1	1
40% Exceedance	-2	2	-2	-1	1	3	1	0	1	0	1	2
50% Exceedance	-4	-1	0	2	2	3	2	1	2	-1	-1	4
60% Exceedance	1	1	-1	2	1	-1	0	-6	-1	-1	3	5
70% Exceedance	1	-1	0	1	2	0	-1	0	0	0	1	3
80% Exceedance	1	0	1	1	0	-1	1	-1	1	0	1	3
90% Exceedance	1	1	0	1	0	0	0	0	0	0	0	3
Full Simulation Period Average[a]	0	0	0	0	0	1	0	-1	0	0	1	2
Wet Water Years (30%)	1	1	1	0	0	0	0	-2	0	0	1	2
Above Normal Years (11%)	1	0	0	2	1	1	0	-3	0	-1	2	5
Below Normal Years (21%)	-1	-1	0	0	1	2	0	0	0	-1	-1	-2
Dry Water Years (22%)	-1	-2	-2	-1	2	3	0	0	1	1	3	5
Critical Water Years (16%)	2	1	-2	-2	-3	0	-1	-1	-1	0	1	2

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

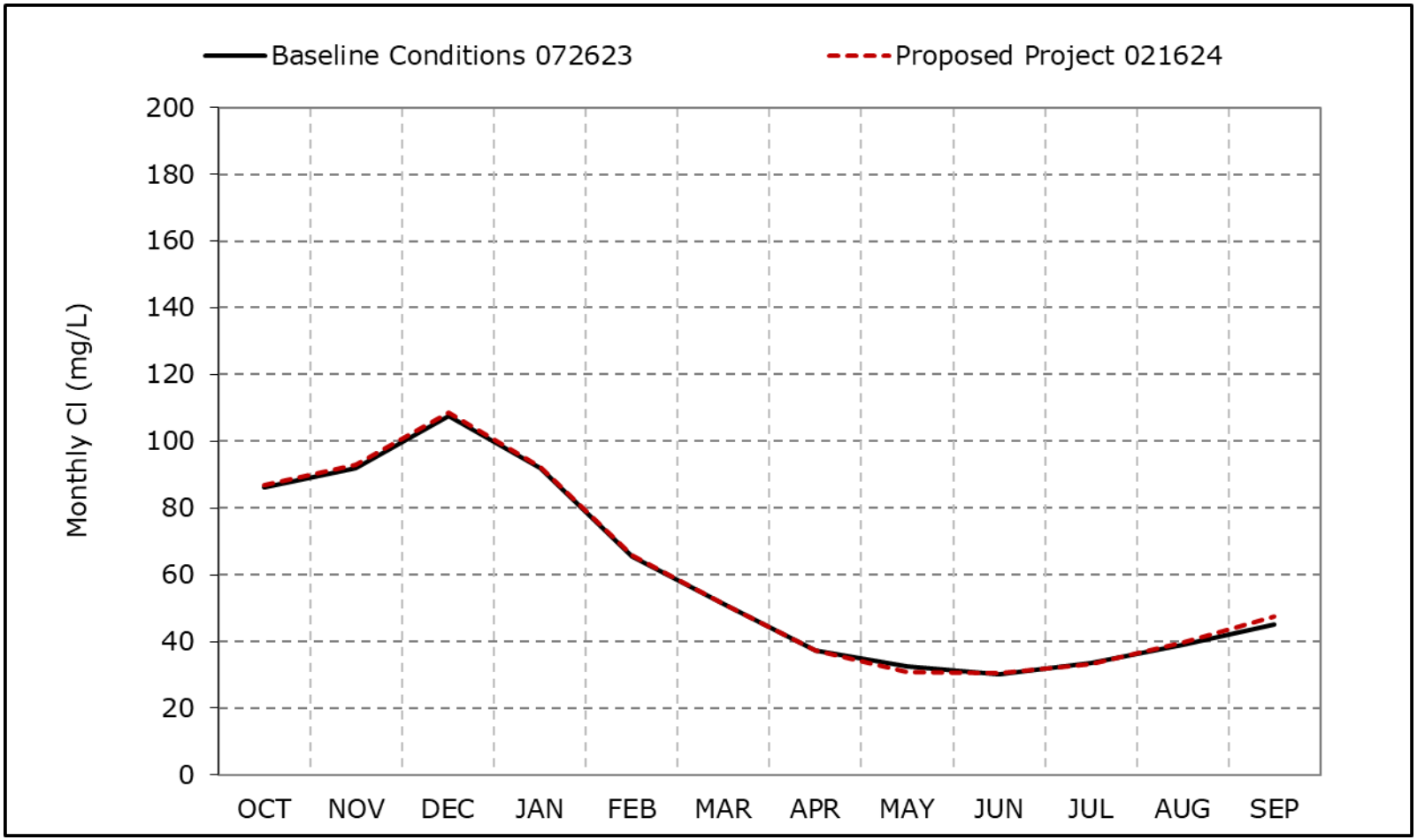
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-7-12a. Jones Pumping Plant South Delta Exports Chloride, Long-Term Average Cl



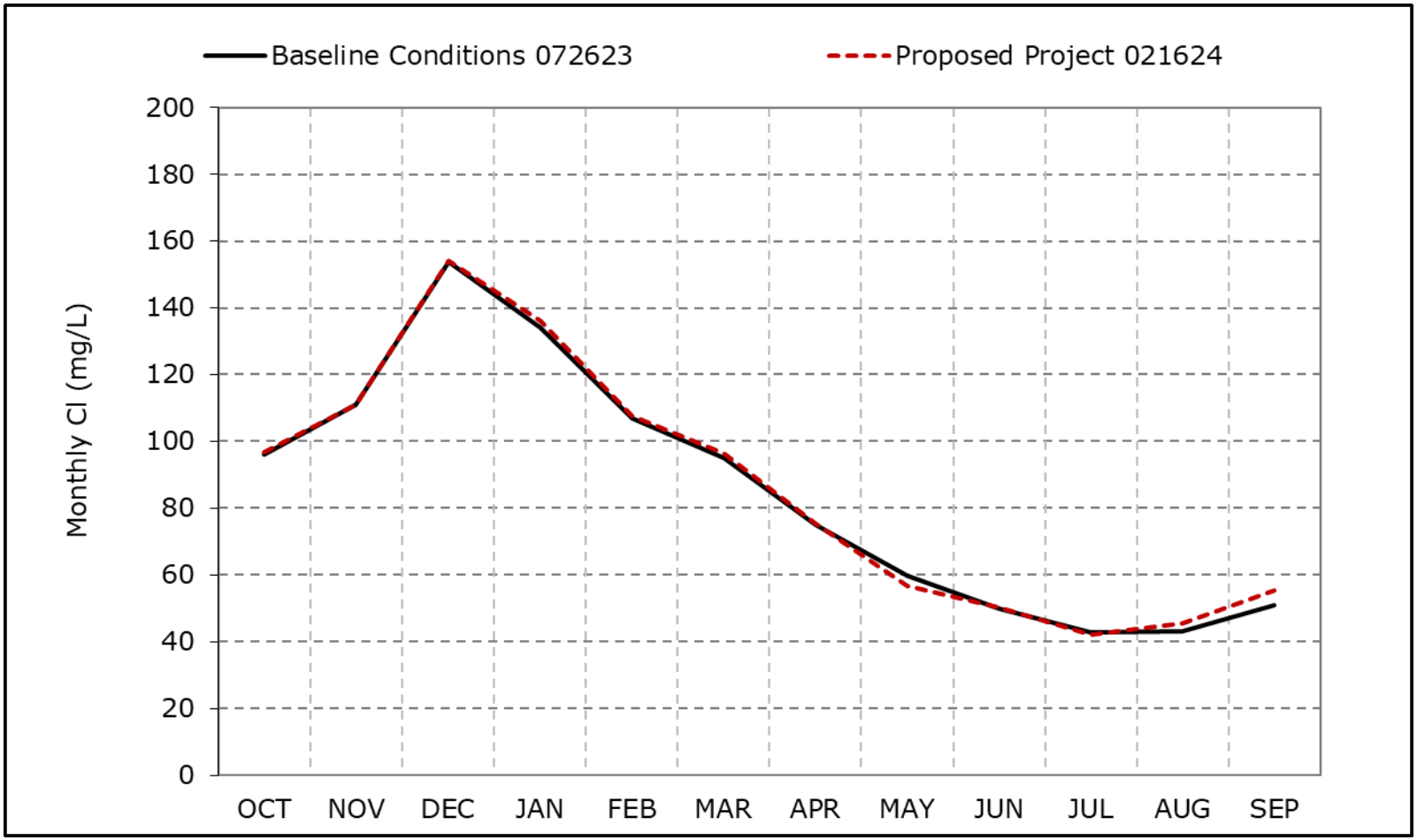
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-12b. Jones Pumping Plant South Delta Exports Chloride, Wet Year Average Cl



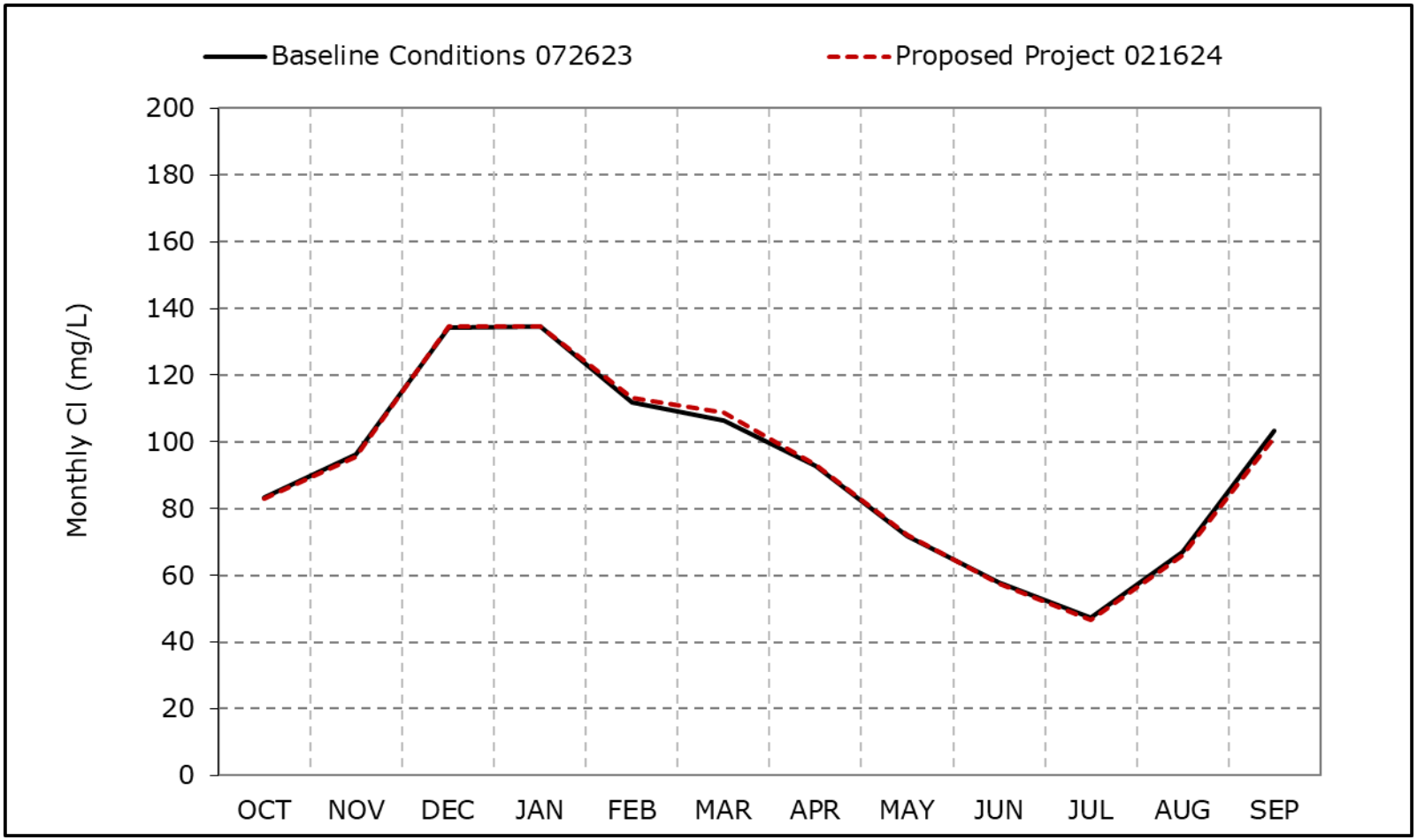
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-12c. Jones Pumping Plant South Delta Exports Chloride, Above Normal Year Average Cl



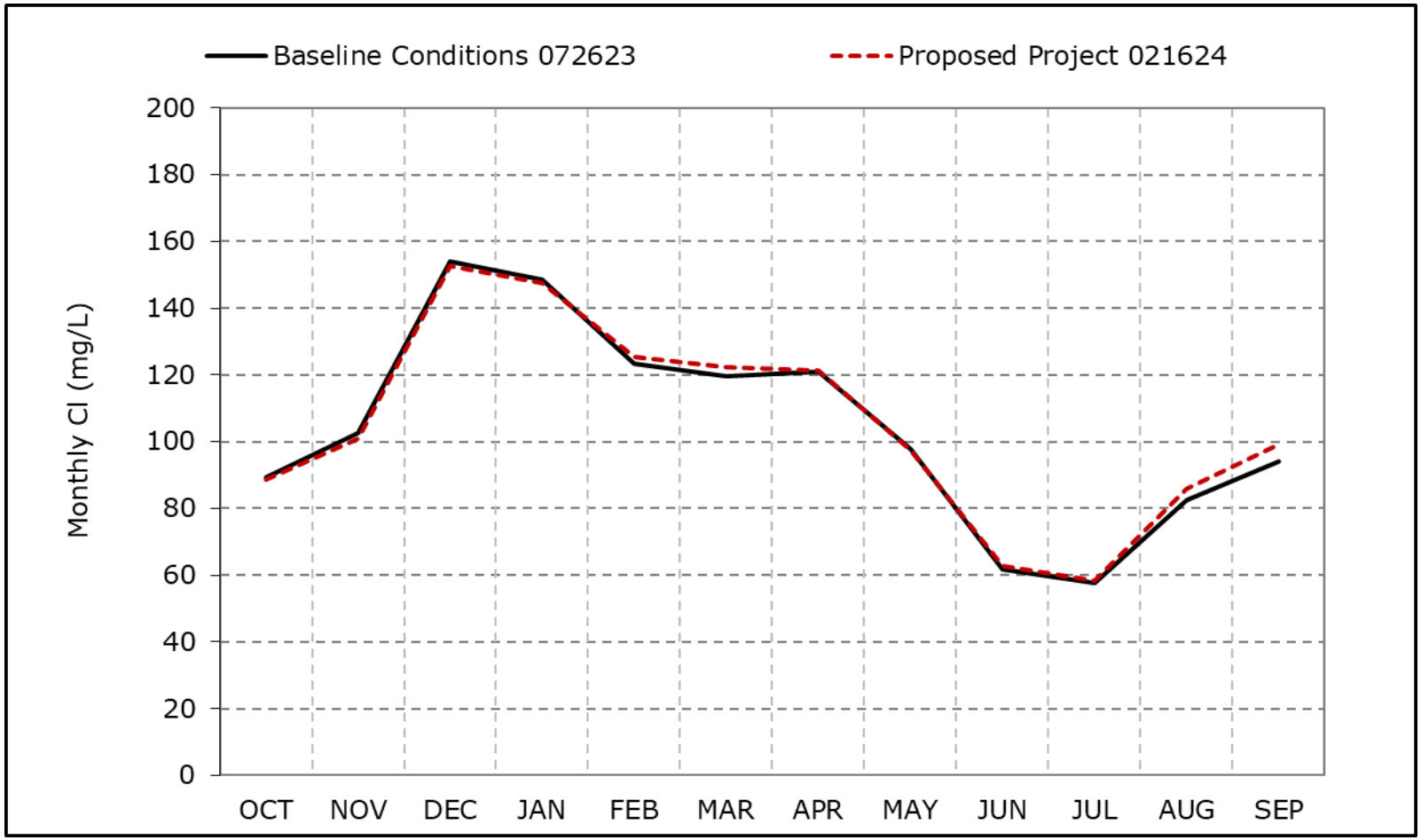
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-12d. Jones Pumping Plant South Delta Exports Chloride, Below Normal Year Average Cl



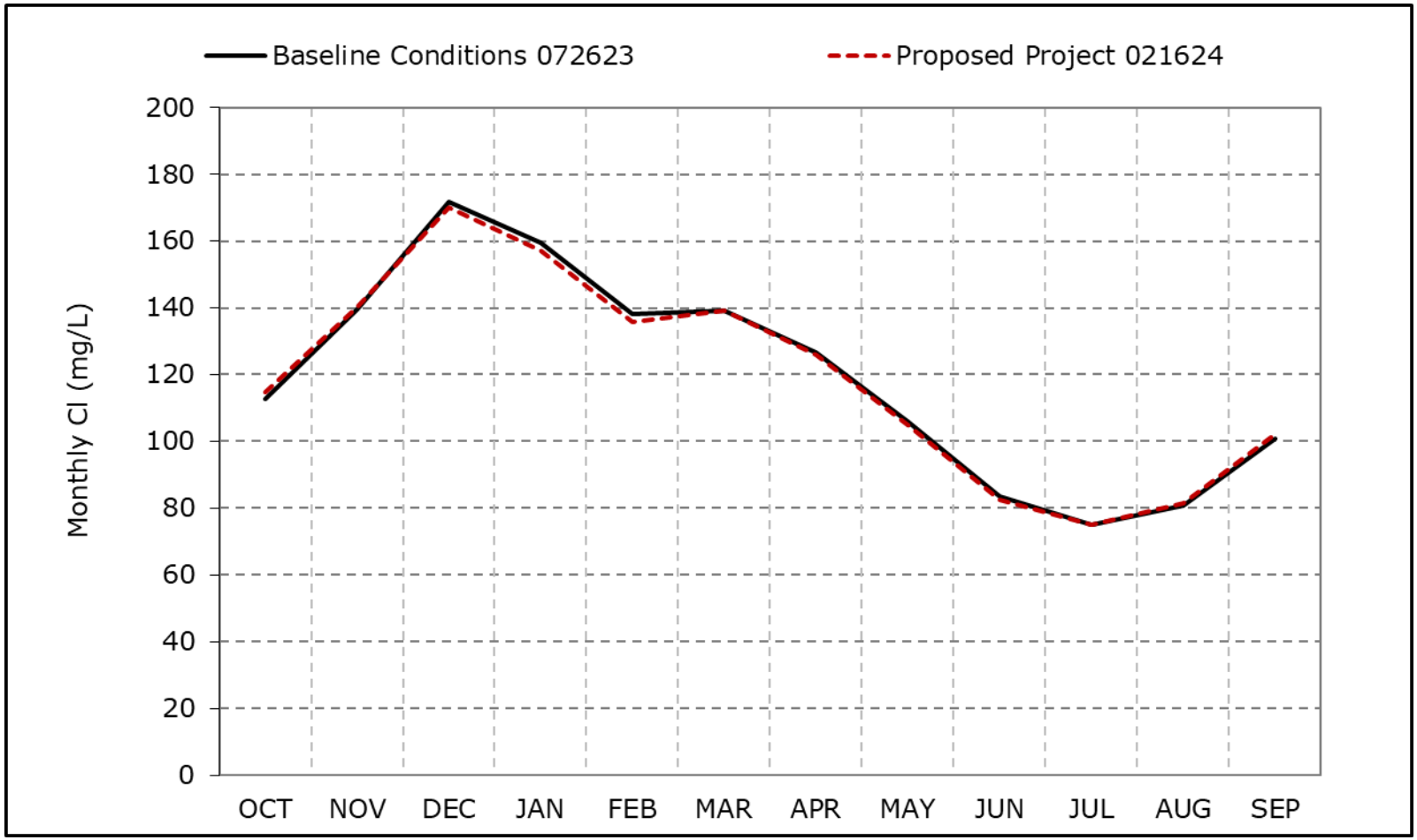
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-12e. Jones Pumping Plant South Delta Exports Chloride, Dry Year Average Cl



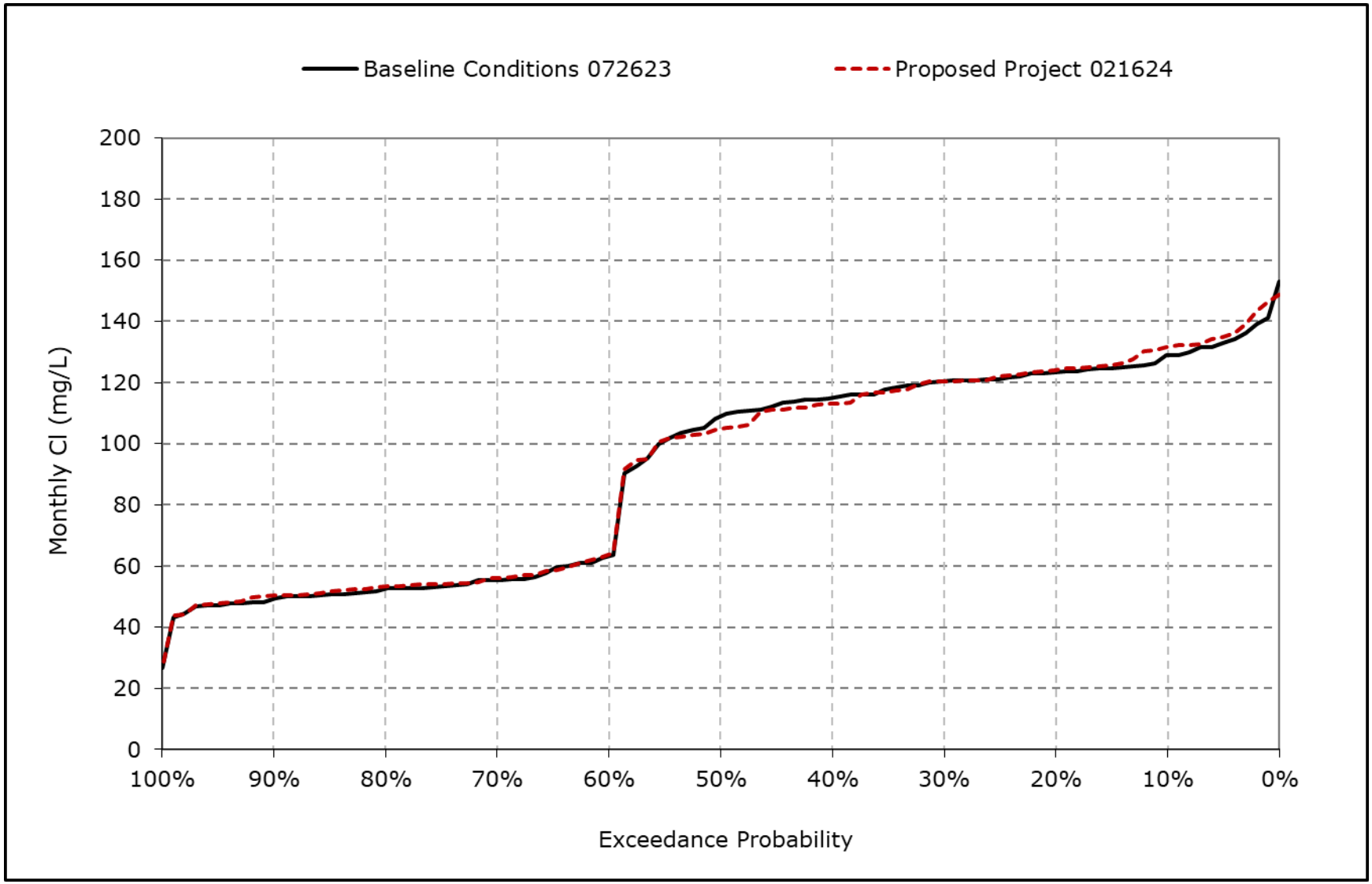
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-12f. Jones Pumping Plant South Delta Exports Chloride, Critical Year Average Cl



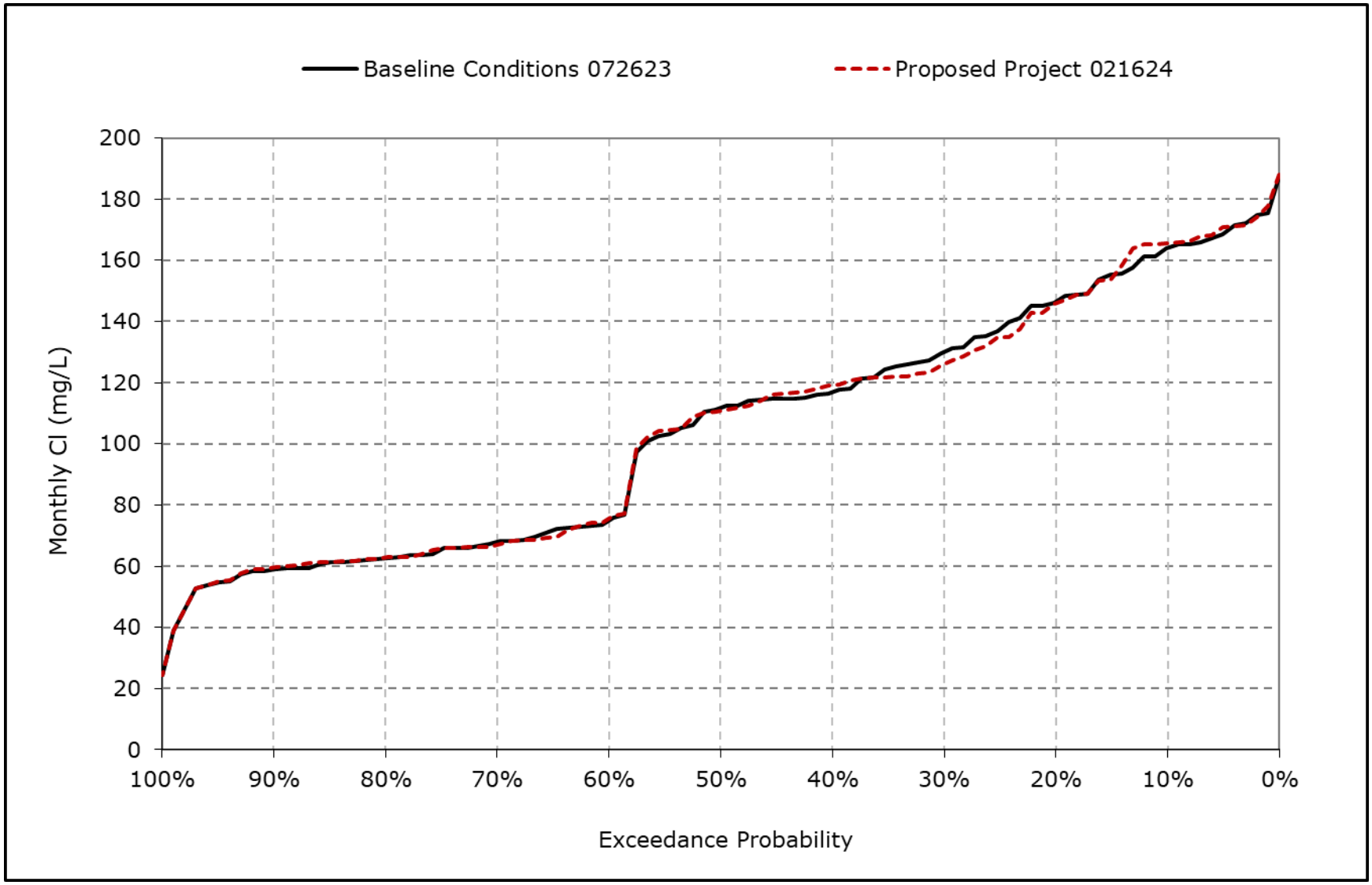
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-12g. Jones Pumping Plant South Delta Exports Chloride, October Cl



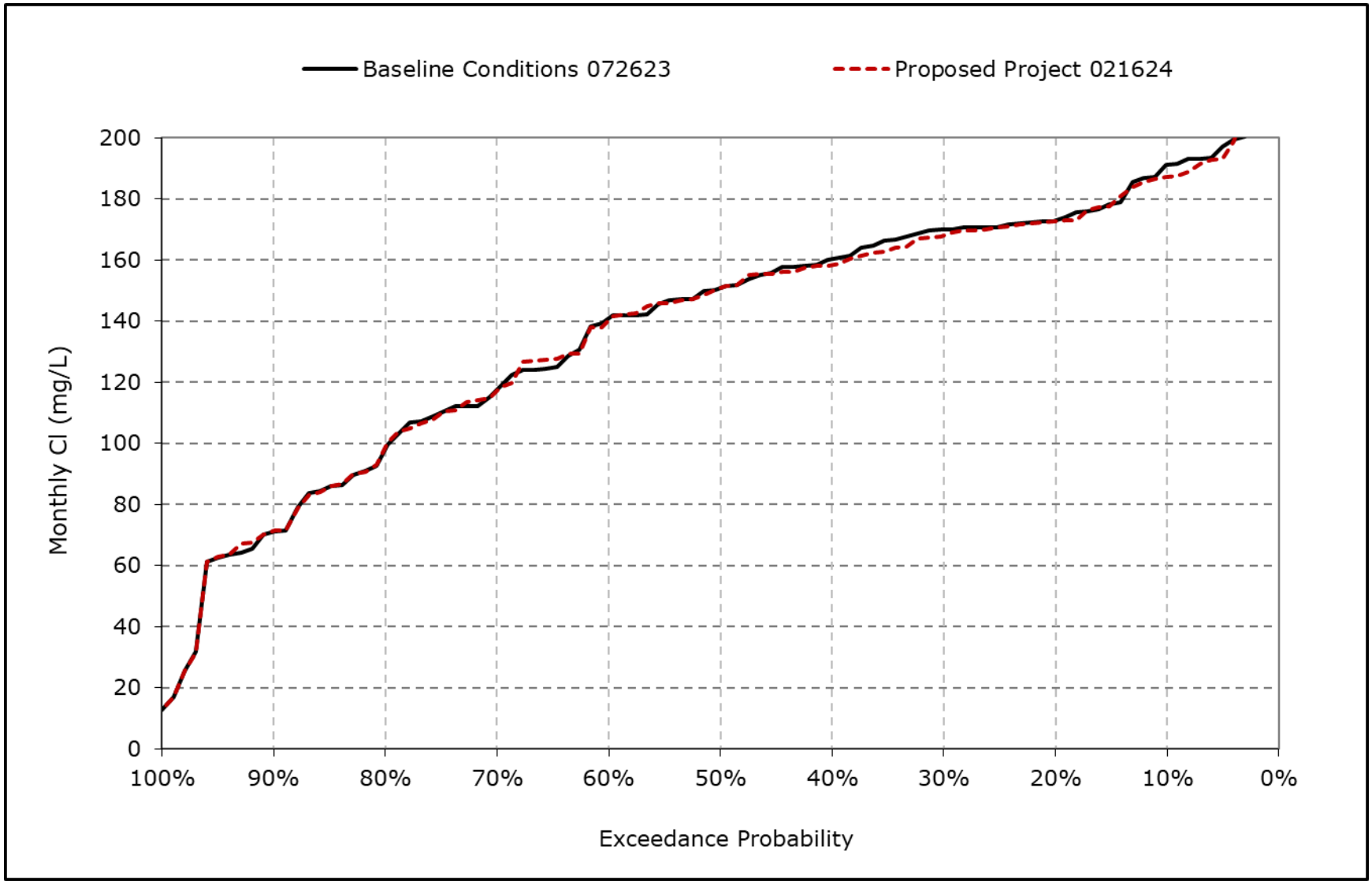
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-12h. Jones Pumping Plant South Delta Exports Chloride, November Cl



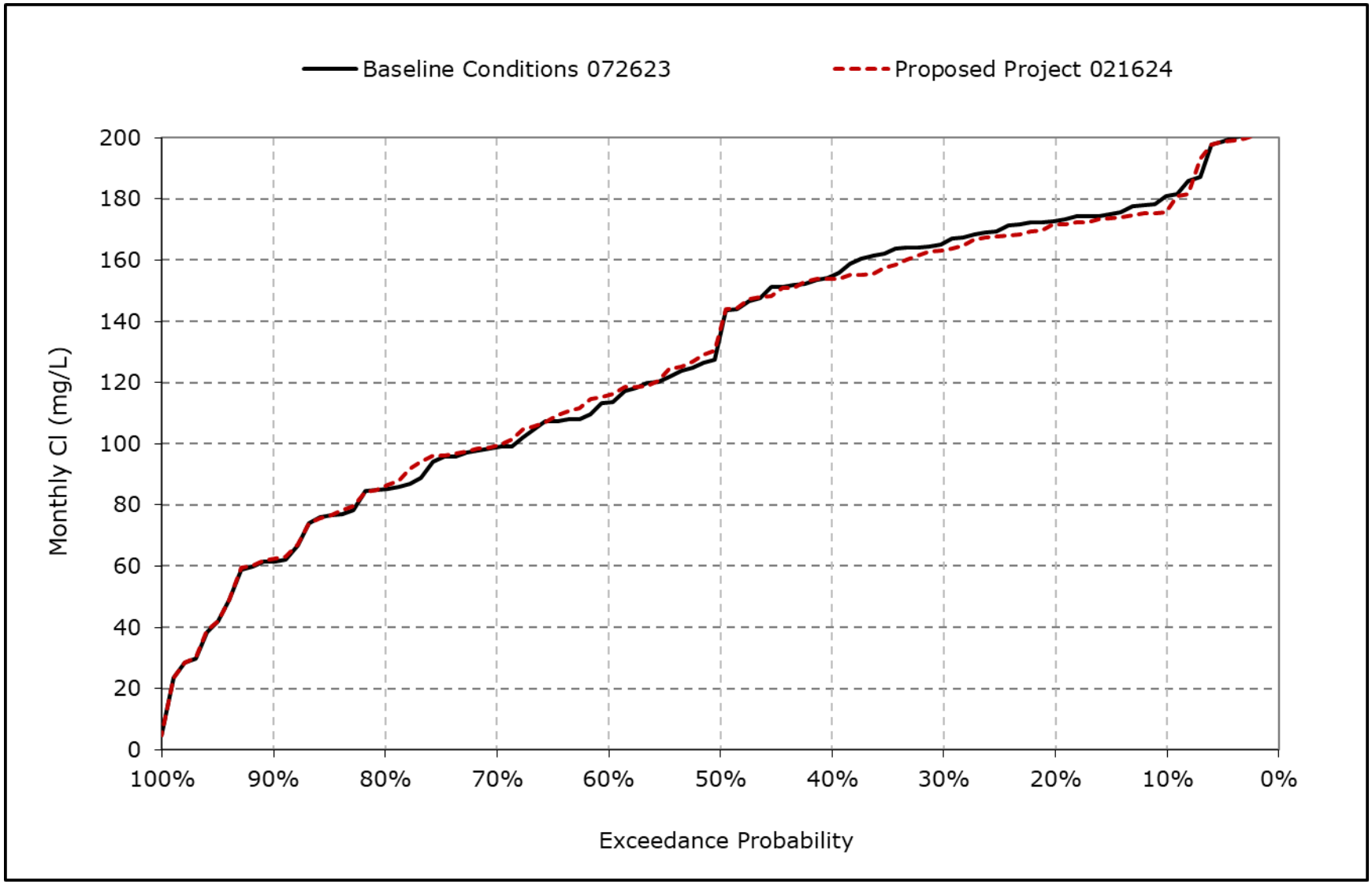
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-12i. Jones Pumping Plant South Delta Exports Chloride, December Cl



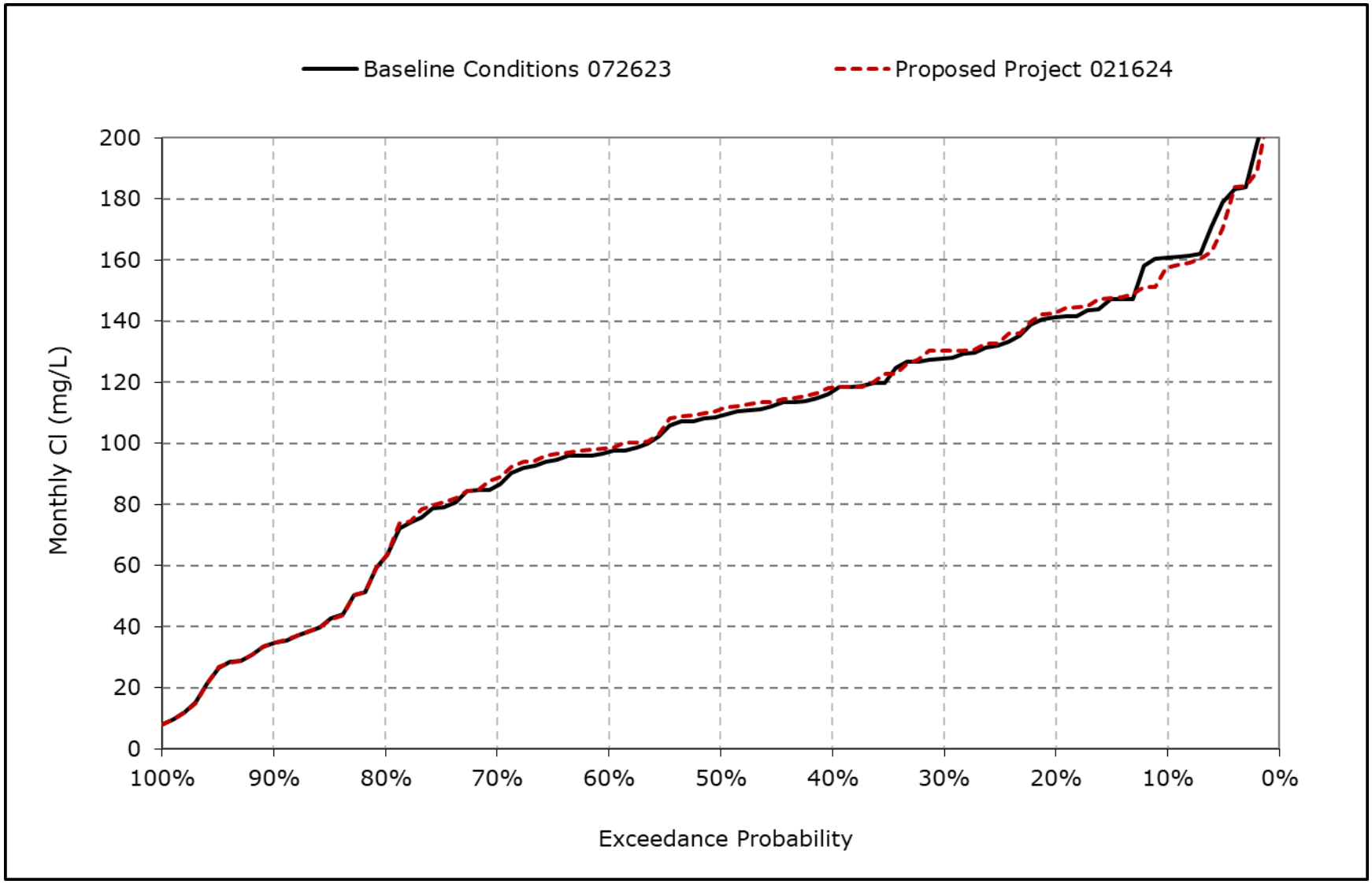
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-12j. Jones Pumping Plant South Delta Exports Chloride, January Cl



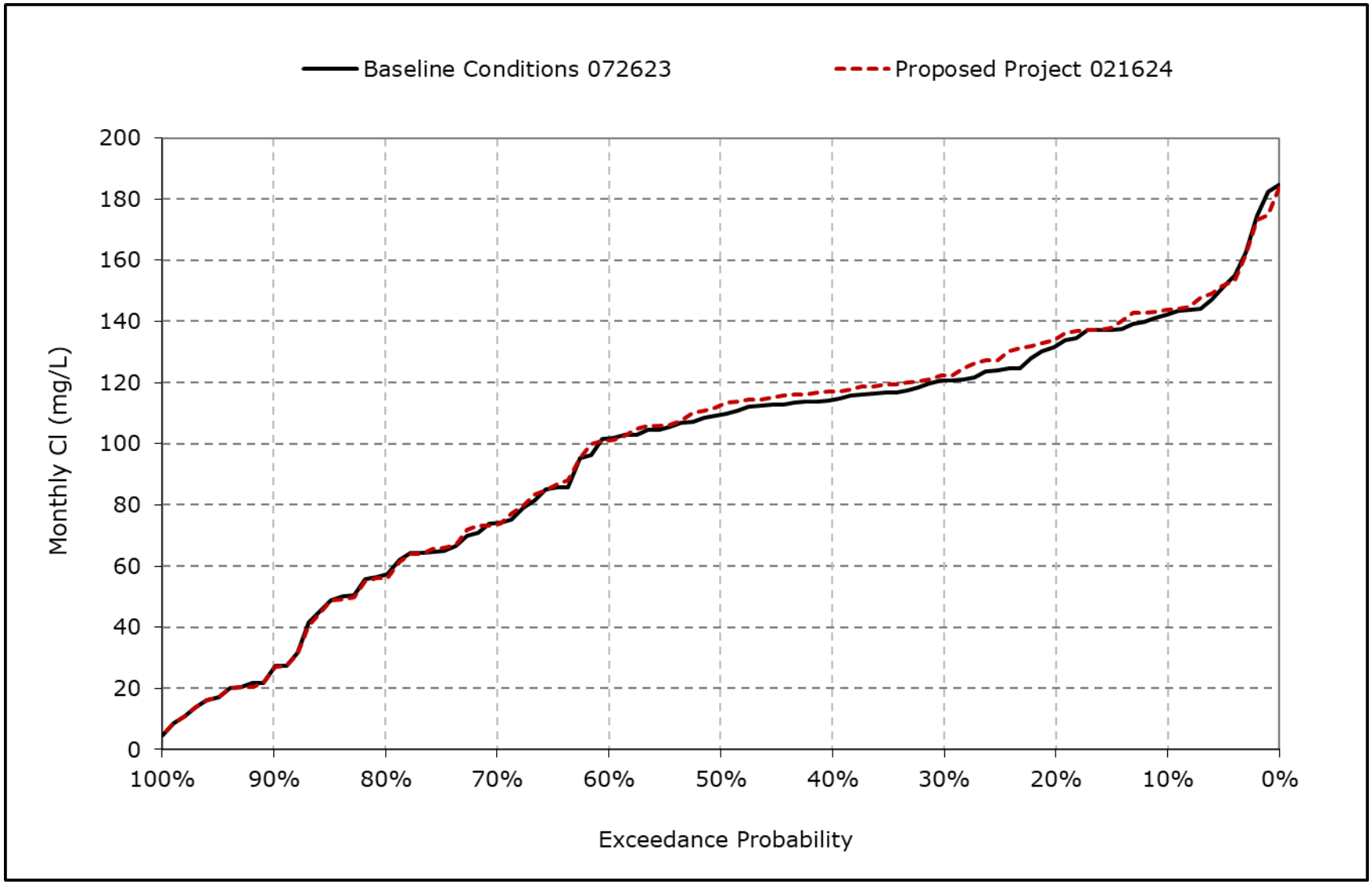
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-12k. Jones Pumping Plant South Delta Exports Chloride, February Cl



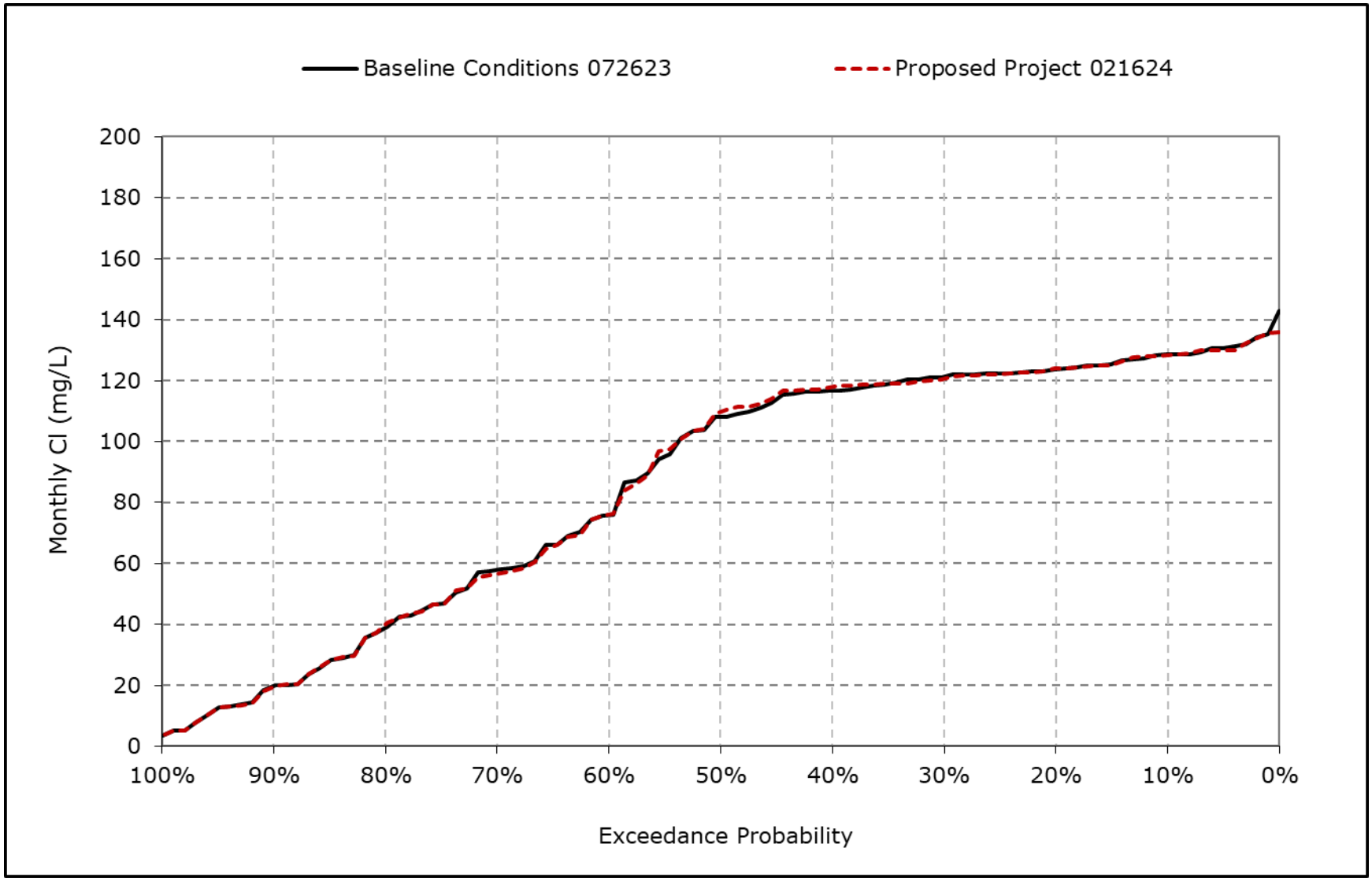
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-12l. Jones Pumping Plant South Delta Exports Chloride, March Cl



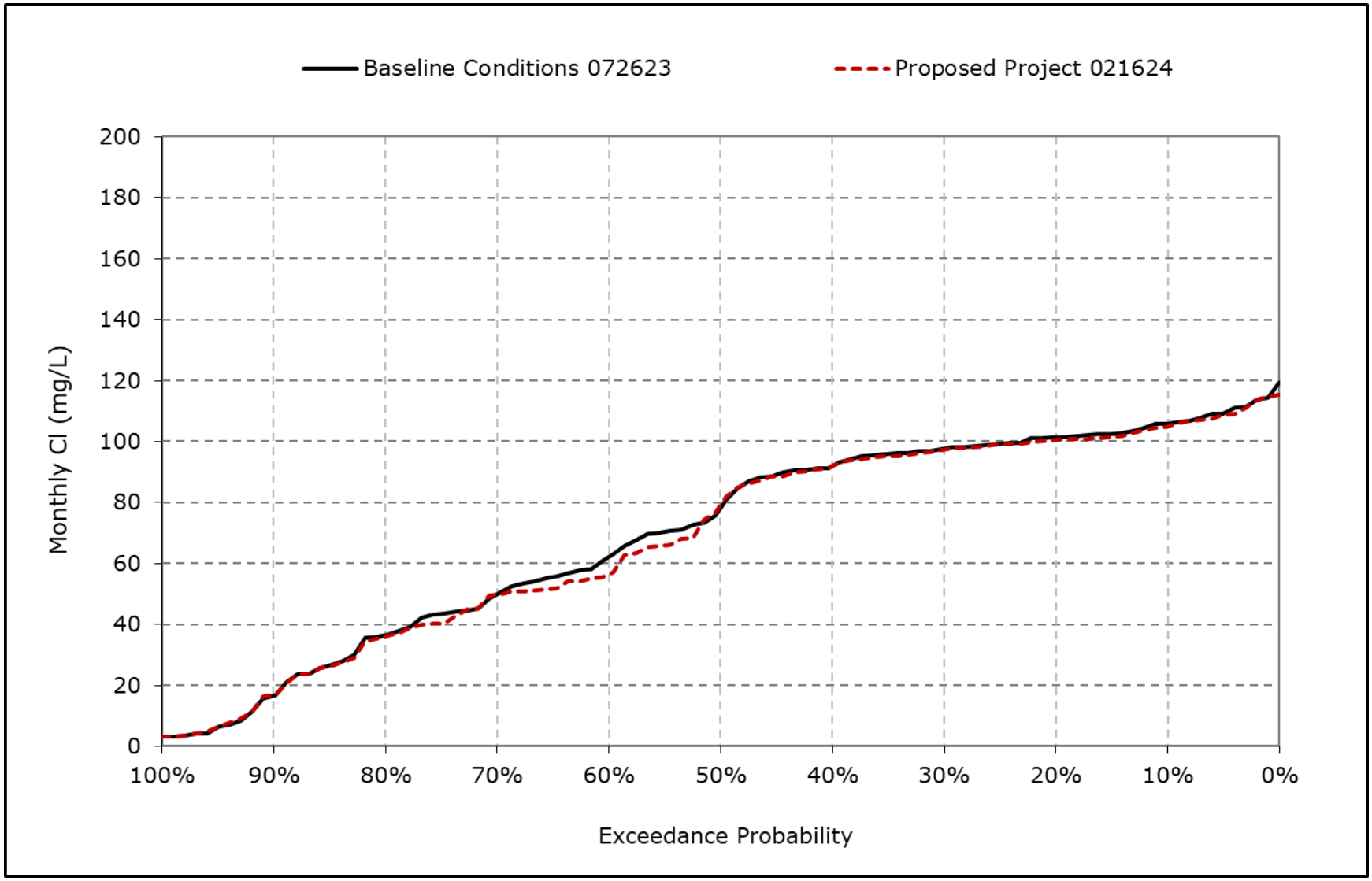
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-12m. Jones Pumping Plant South Delta Exports Chloride, April Cl



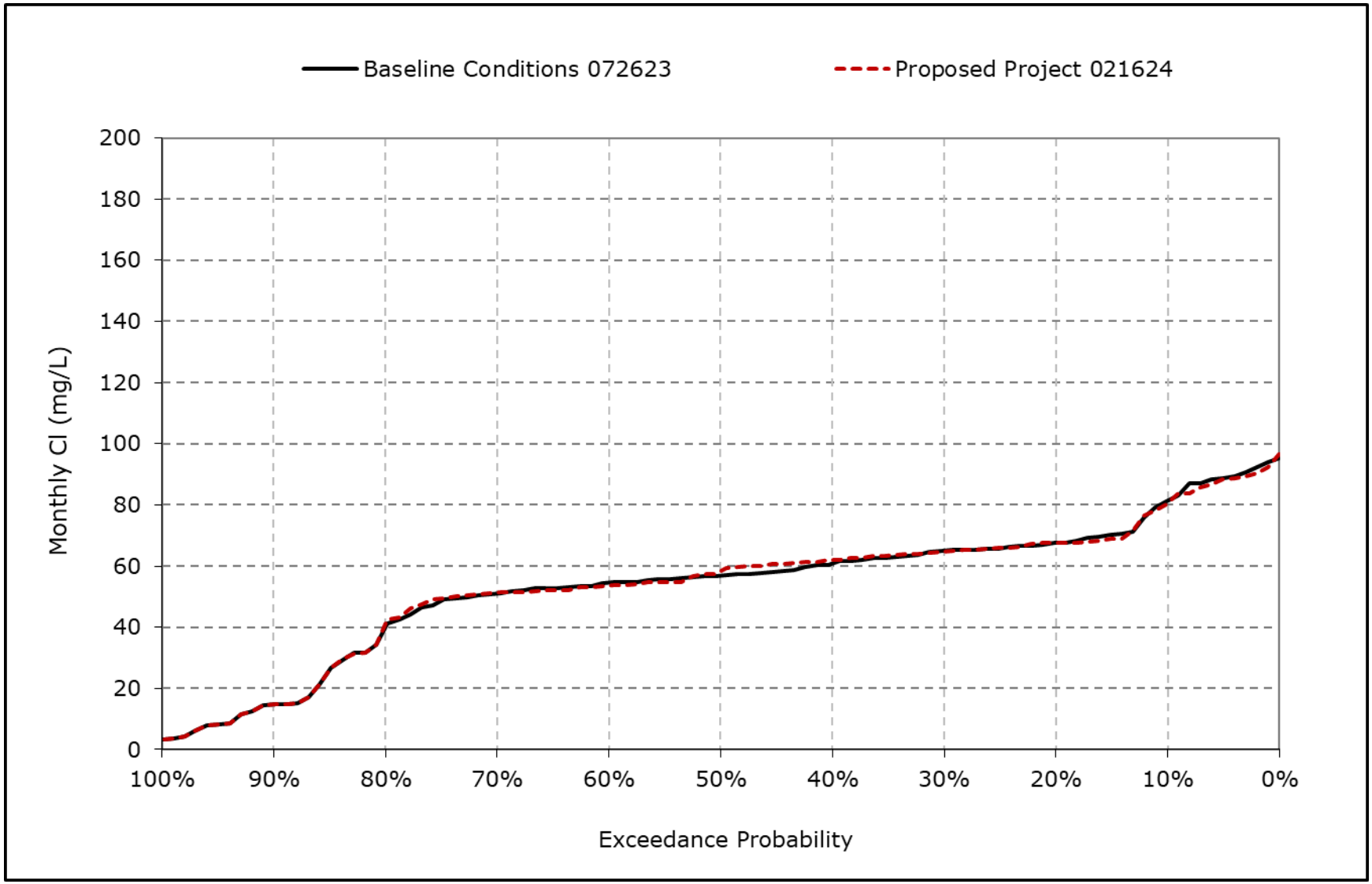
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-12n. Jones Pumping Plant South Delta Exports Chloride, May Cl



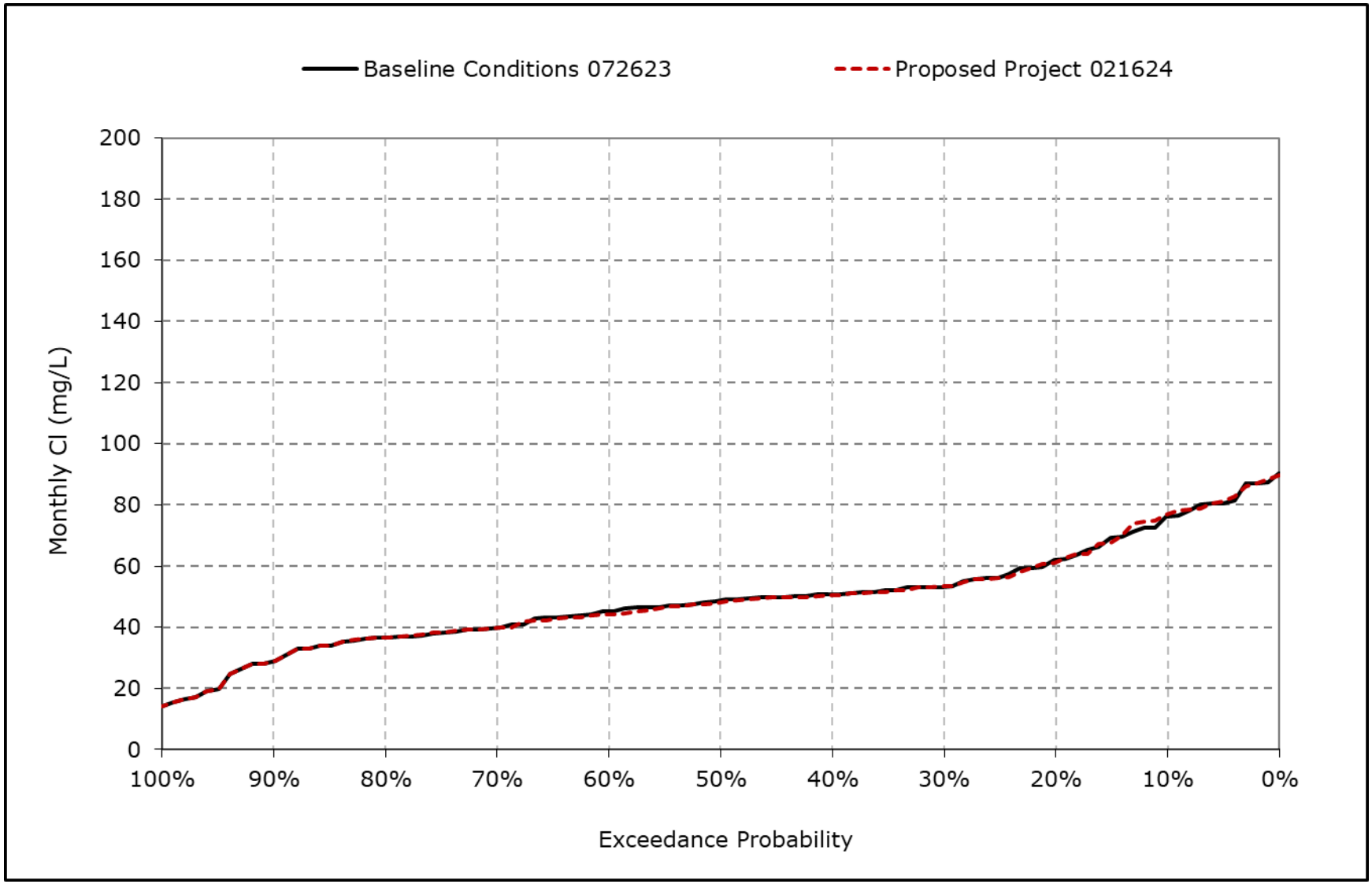
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-12o. Jones Pumping Plant South Delta Exports Chloride, June Cl



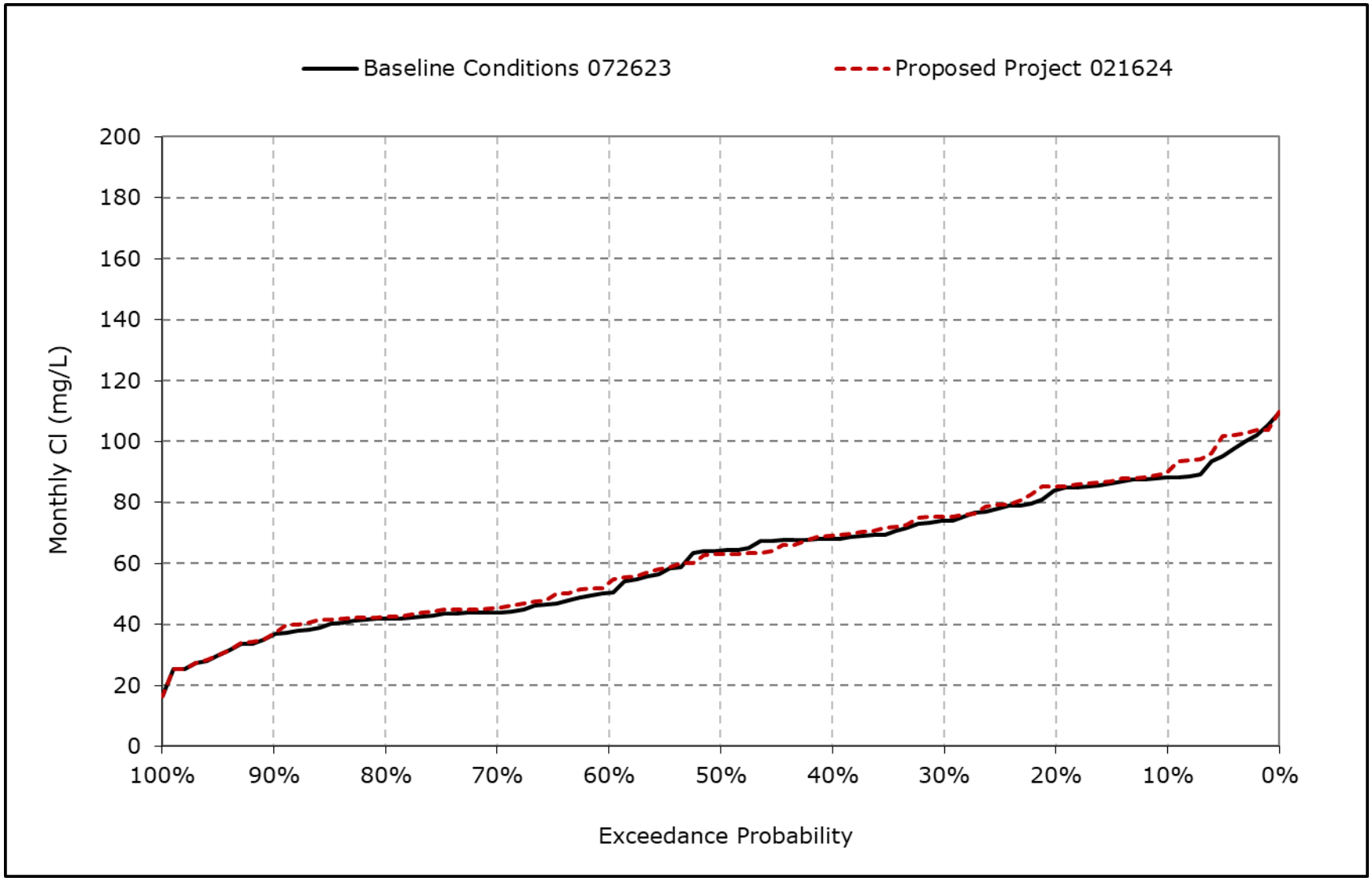
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-12p. Jones Pumping Plant South Delta Exports Chloride, July Cl



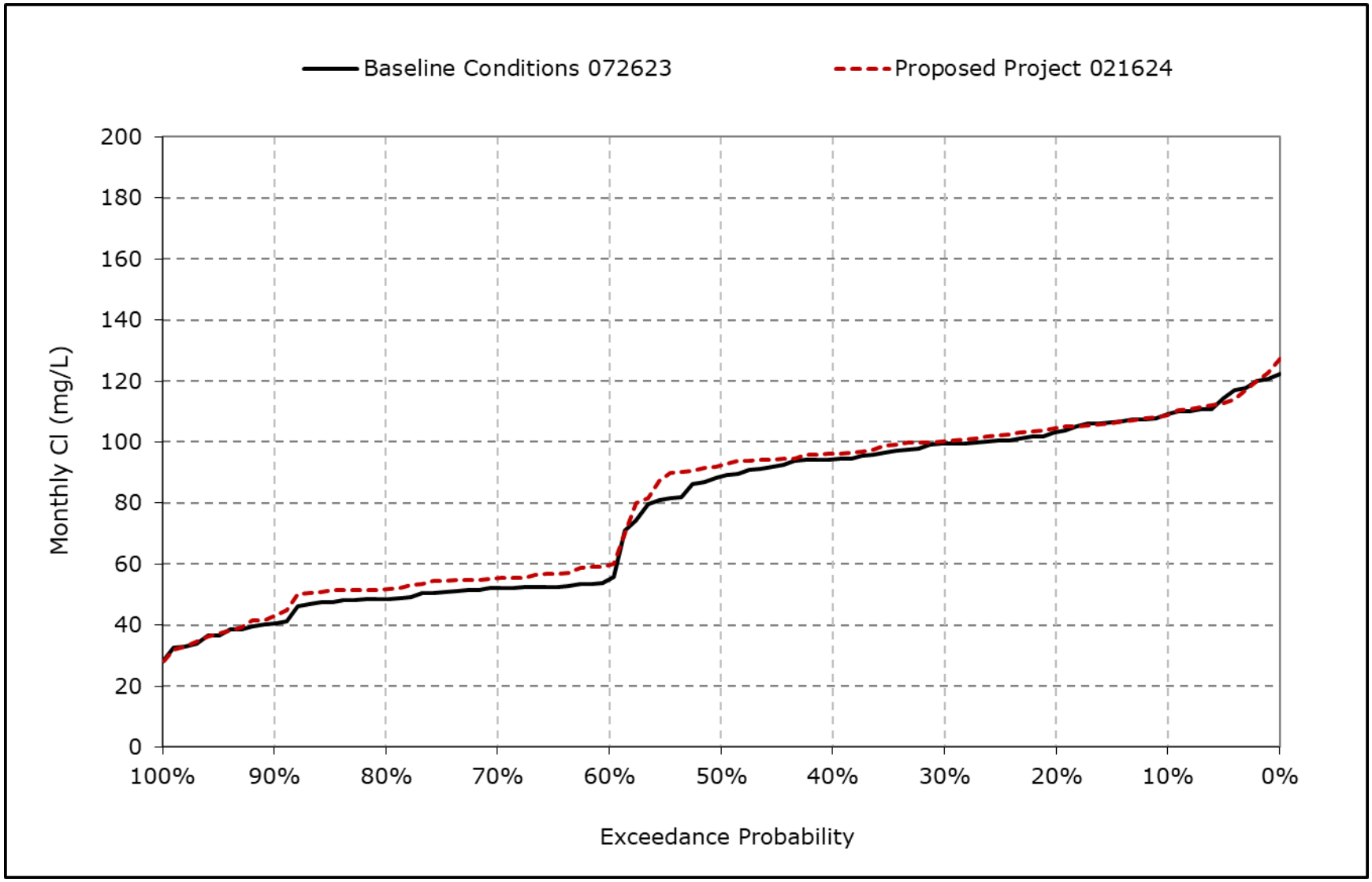
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-12q. Jones Pumping Plant South Delta Exports Chloride, August Cl



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

Figure 4B-7-12r. Jones Pumping Plant South Delta Exports Chloride, September Cl



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

Table 4B-7-13-1a. North Bay Aqueduct Chloride, Baseline Conditions 072623, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	19	22	26	29	34	33	28	21	18	17	17	18
20% Exceedance	19	22	25	27	30	30	27	21	18	17	16	17
30% Exceedance	19	21	25	26	27	28	26	20	17	17	16	17
40% Exceedance	18	21	25	25	25	27	25	20	17	17	16	17
50% Exceedance	18	21	24	22	23	25	24	20	17	16	16	17
60% Exceedance	18	21	24	21	22	24	23	19	17	16	16	17
70% Exceedance	18	20	23	21	21	23	23	19	17	16	16	17
80% Exceedance	18	20	23	20	20	22	22	19	17	16	16	17
90% Exceedance	18	20	22	20	20	21	22	19	17	16	16	17
Full Simulation Period Average[a]	18	21	24	24	25	26	24	20	17	17	17	17
Wet Water Years (30%)	18	21	25	22	22	23	24	19	17	16	16	17
Above Normal Years (11%)	19	21	25	26	30	27	24	19	17	16	16	17
Below Normal Years (21%)	18	21	24	23	25	25	23	20	17	16	16	17
Dry Water Years (22%)	18	21	24	23	26	28	25	20	17	16	16	17
Critical Water Years (16%)	19	21	24	26	29	31	27	21	18	17	17	18

Table 4B-7-13-1b. North Bay Aqueduct Chloride, Proposed Project 021624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	19	22	26	29	34	33	28	21	18	17	17	18
20% Exceedance	19	22	25	27	30	30	27	21	18	17	16	17
30% Exceedance	19	21	25	26	27	28	26	20	17	17	16	17
40% Exceedance	18	21	25	25	25	27	25	20	17	16	16	17
50% Exceedance	18	21	24	22	23	25	24	20	17	16	16	17
60% Exceedance	18	21	24	21	22	24	23	20	17	16	16	17
70% Exceedance	18	20	23	21	21	23	23	19	17	16	16	17
80% Exceedance	18	20	23	20	20	22	22	19	17	16	16	17
90% Exceedance	18	20	22	20	20	21	22	19	17	16	16	17
Full Simulation Period Average[a]	18	21	24	24	25	26	24	20	17	17	17	17
Wet Water Years (30%)	18	21	25	22	22	23	24	19	17	16	16	17
Above Normal Years (11%)	19	21	25	26	30	27	24	19	17	16	16	17
Below Normal Years (21%)	18	21	24	23	25	25	23	20	17	16	16	17
Dry Water Years (22%)	18	21	24	23	26	28	25	20	17	16	16	17
Critical Water Years (16%)	19	21	24	26	29	31	27	21	18	17	17	18

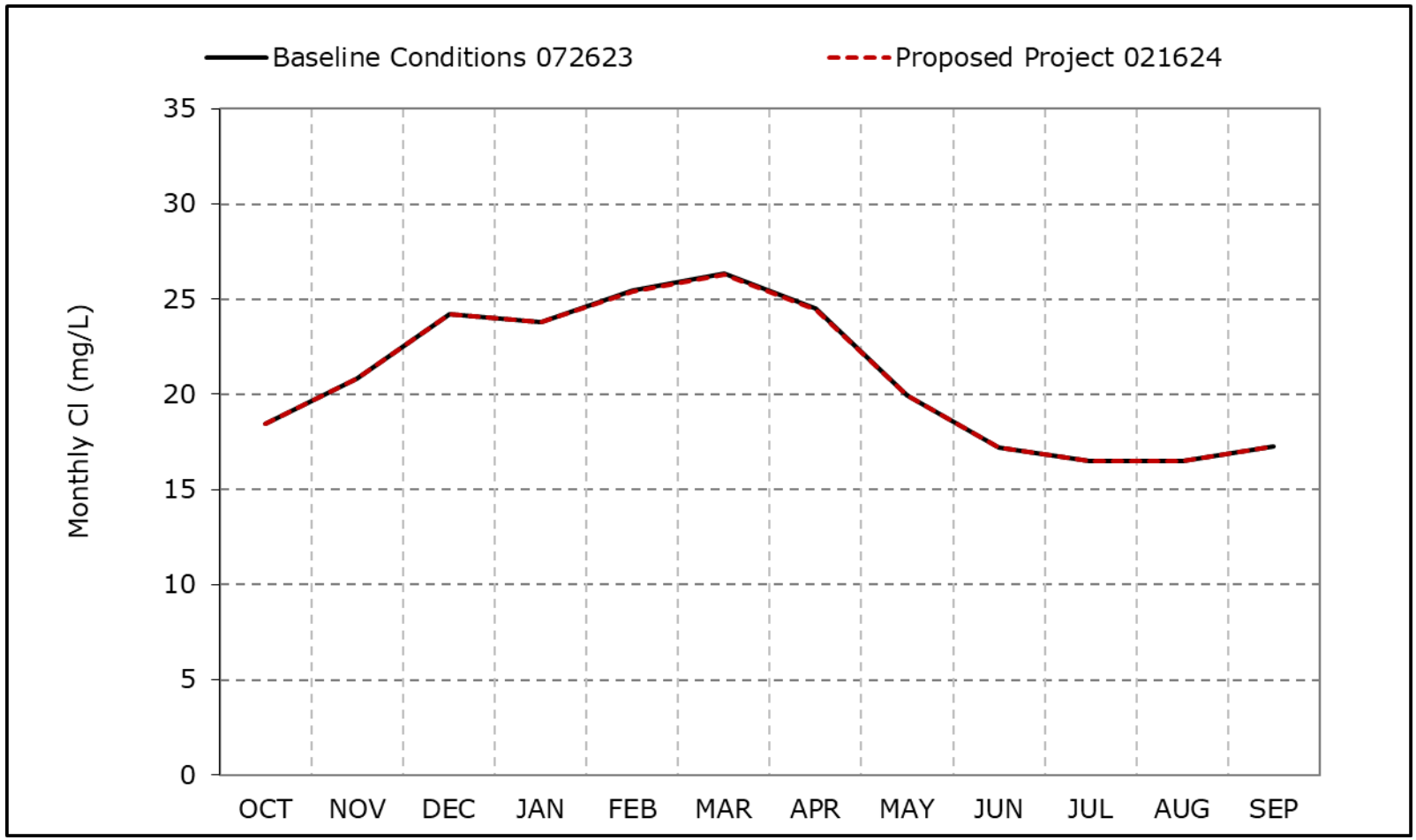
Table 4B-7-13-1c. North Bay Aqueduct Chloride, Proposed Project 021624 minus Baseline Conditions 072623, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	-1	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (30%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Years (11%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Years (21%)	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 (16%)	0	0	0	0	0	0	0	0	0	0	0	0

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

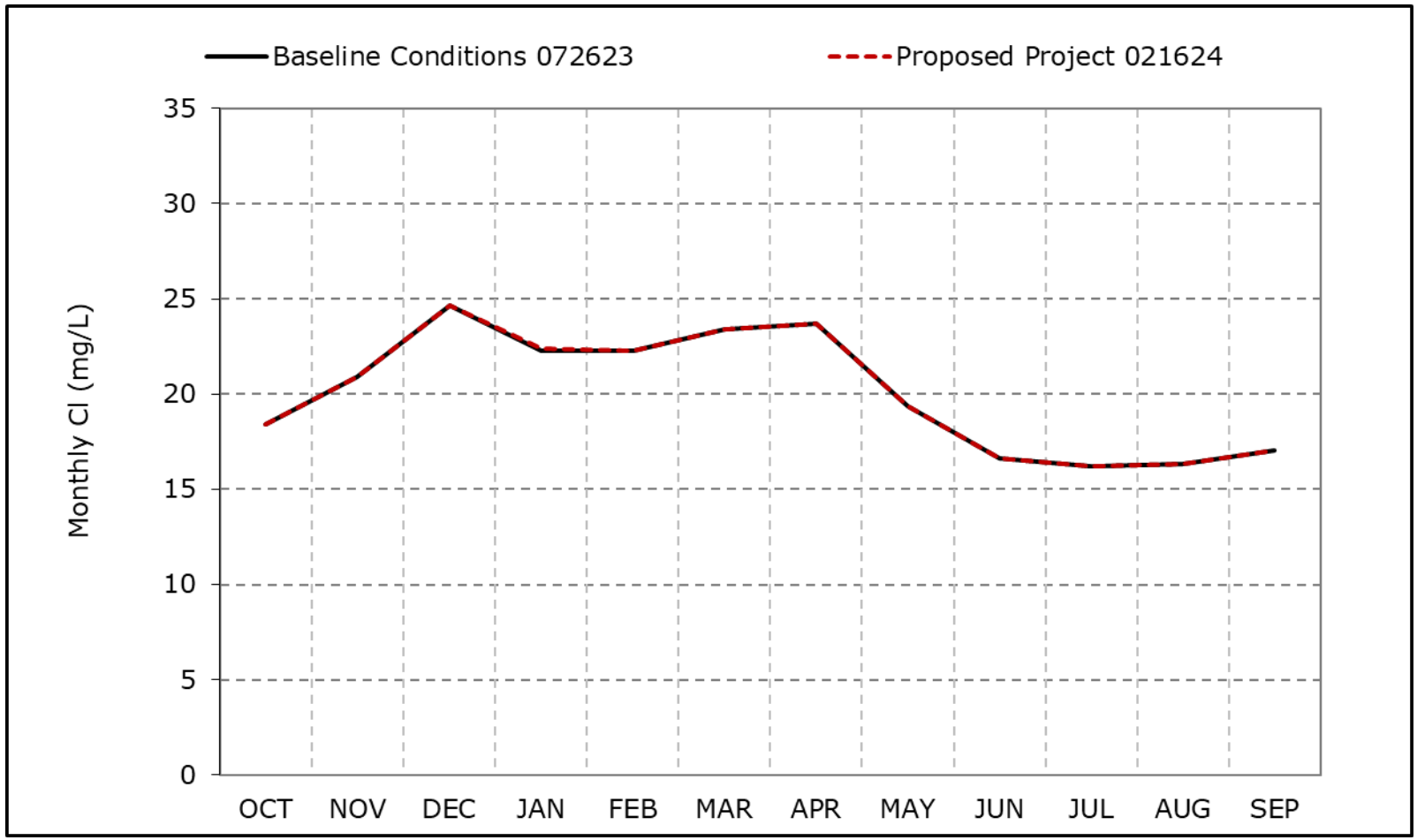
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-7-13a. North Bay Aqueduct Chloride, Long-Term Average Cl



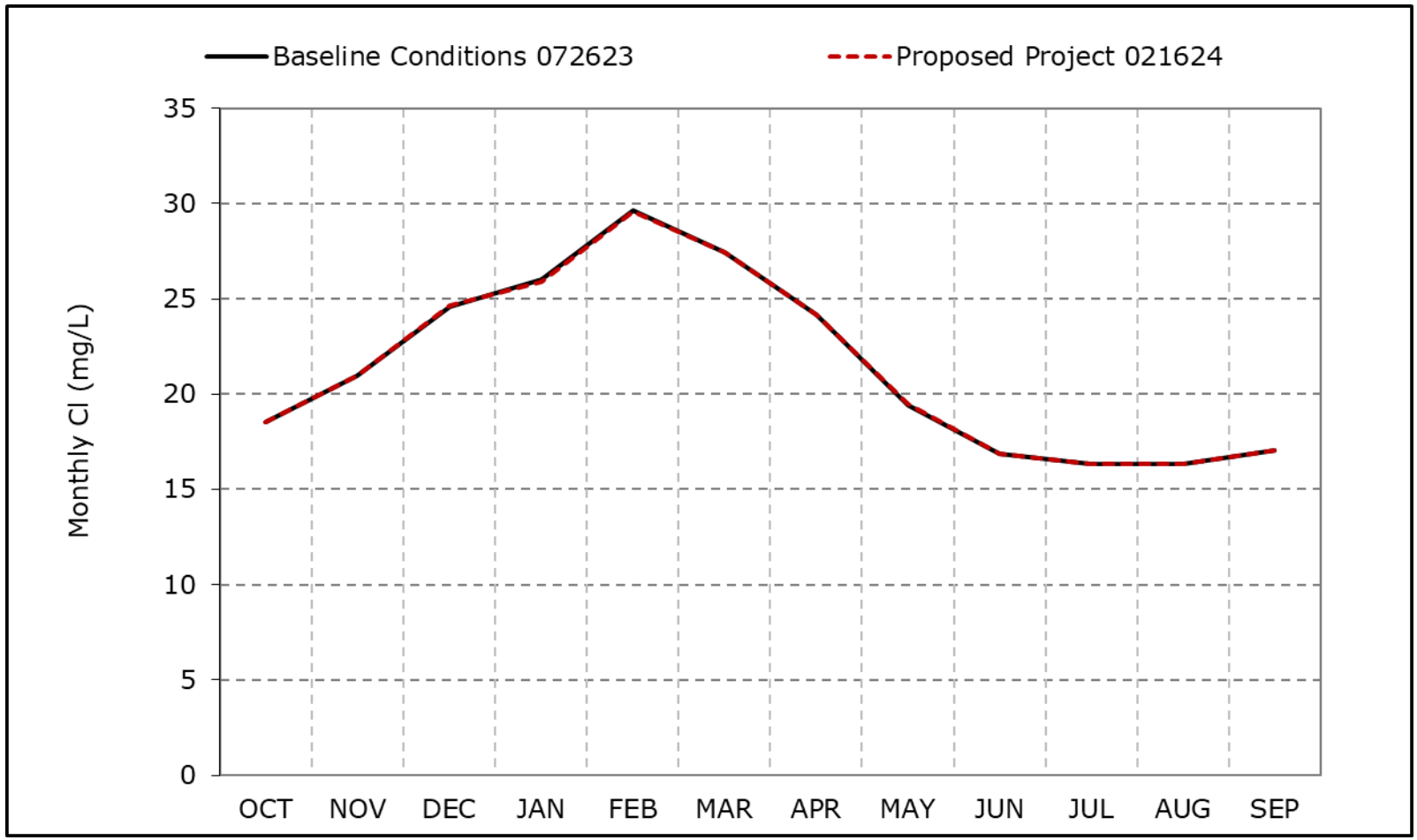
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-13b. North Bay Aqueduct Chloride, Wet Year Average Cl



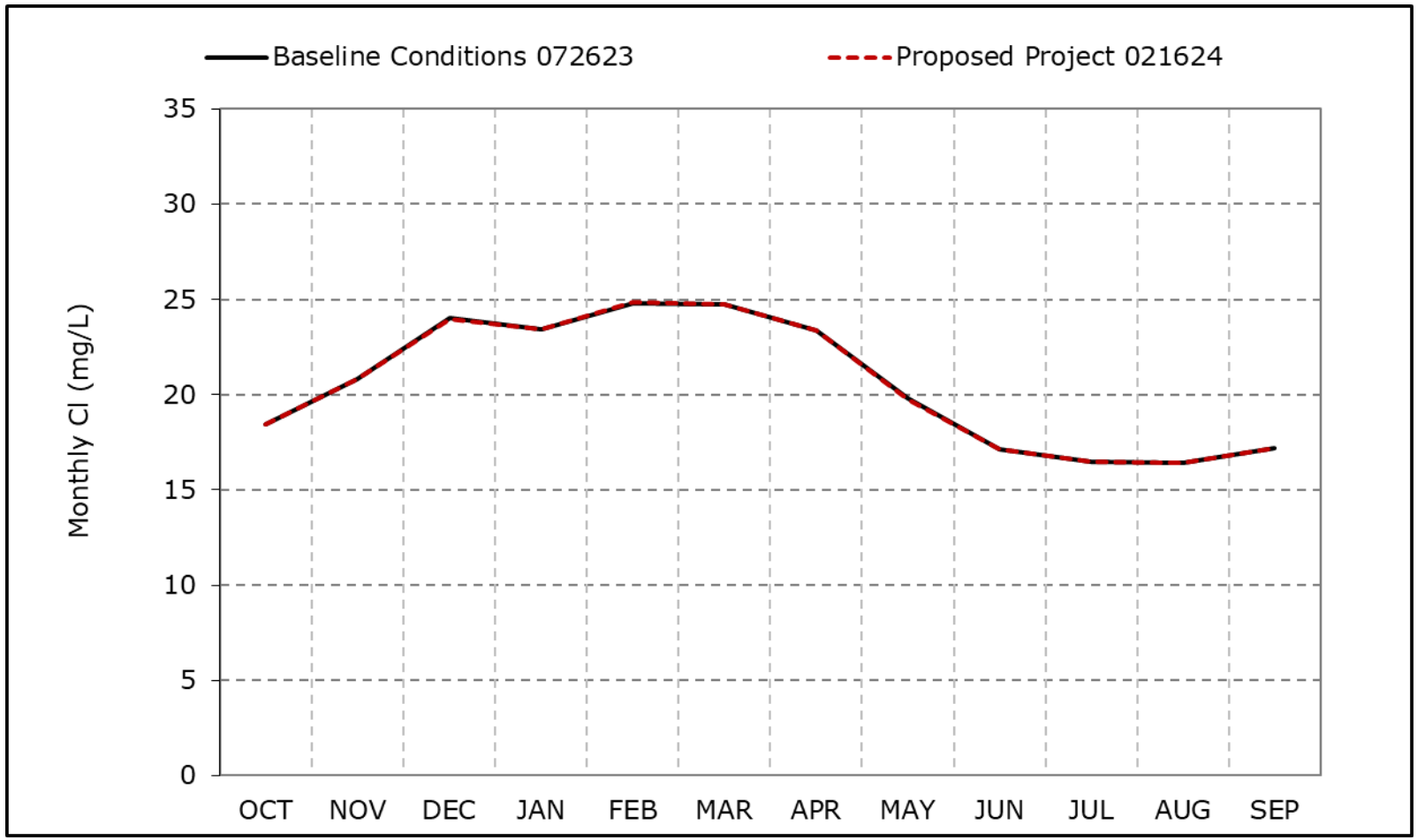
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-13c. North Bay Aqueduct Chloride, Above Normal Year Average Cl



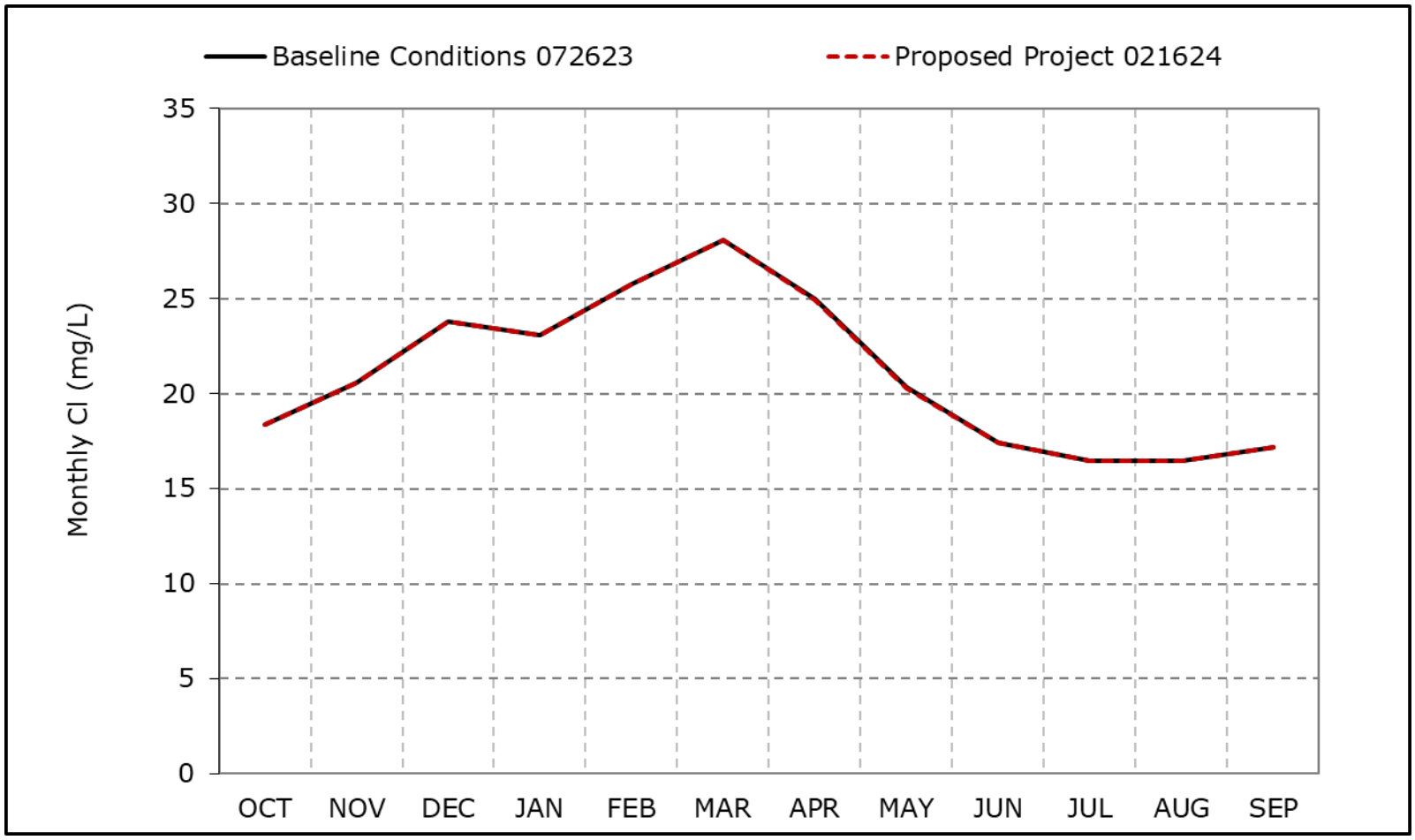
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-13d. North Bay Aqueduct Chloride, Below Normal Year Average Cl



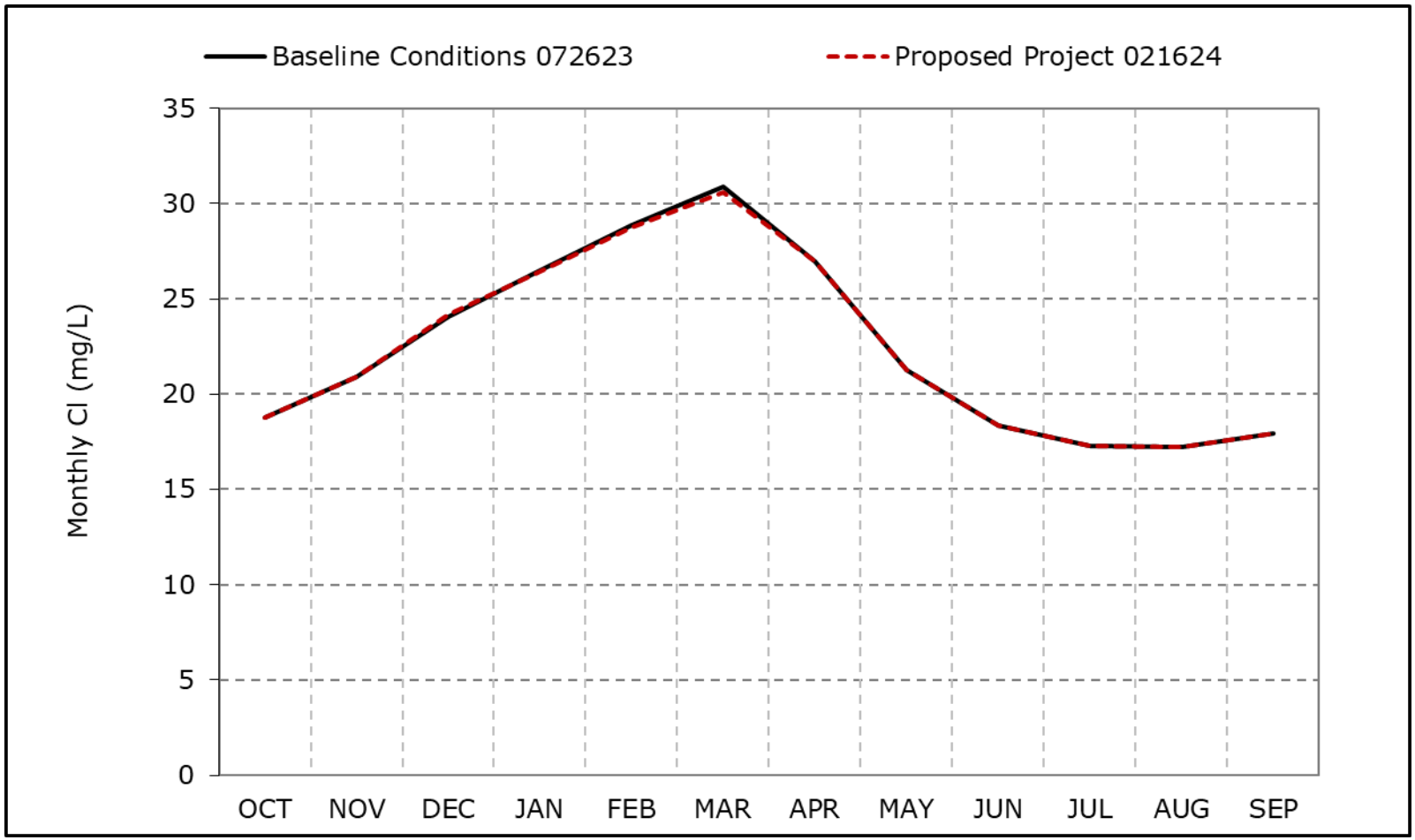
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-13e. North Bay Aqueduct Chloride, Dry Year Average Cl



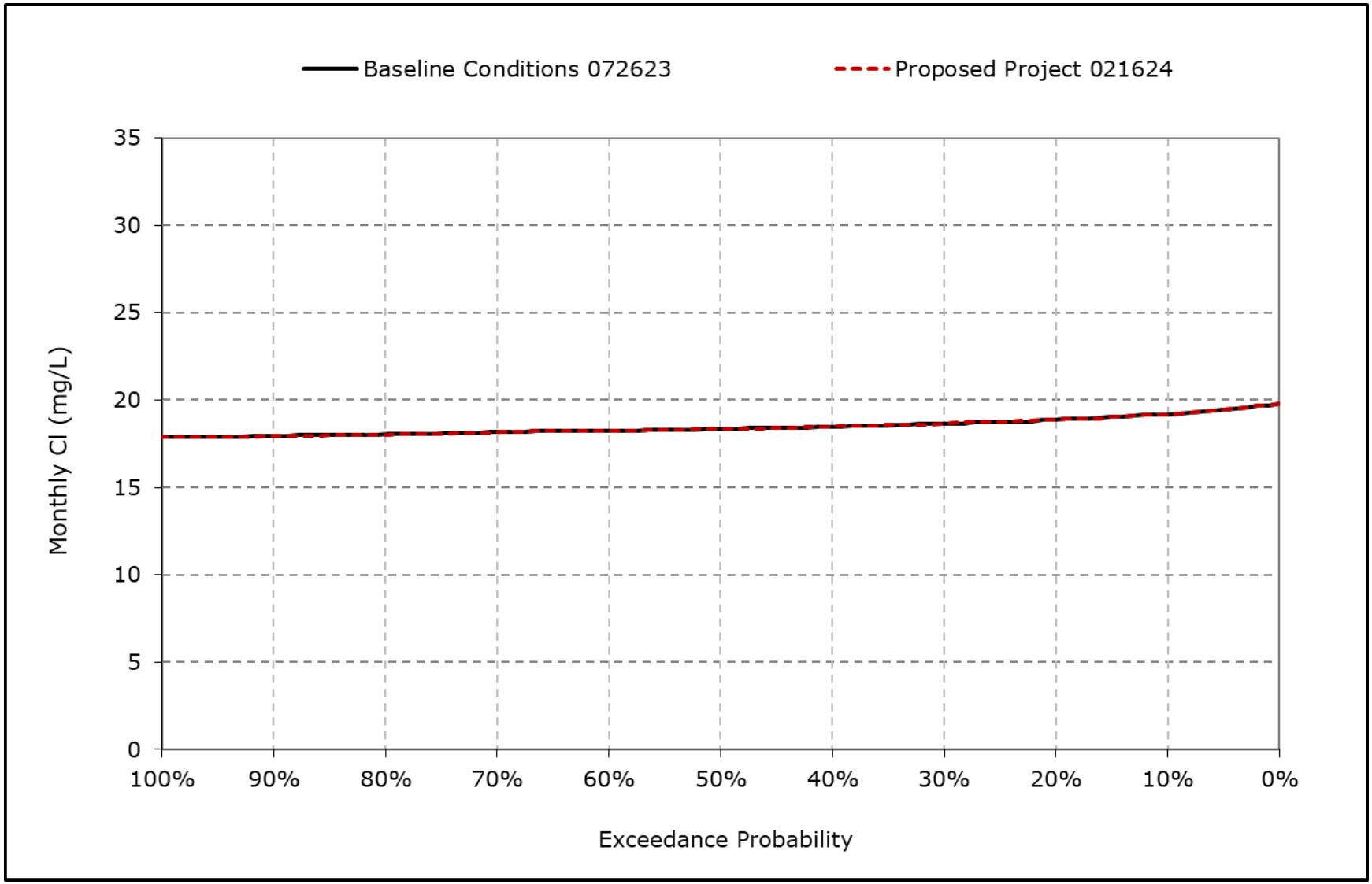
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-13f. North Bay Aqueduct Chloride, Critical Year Average Cl



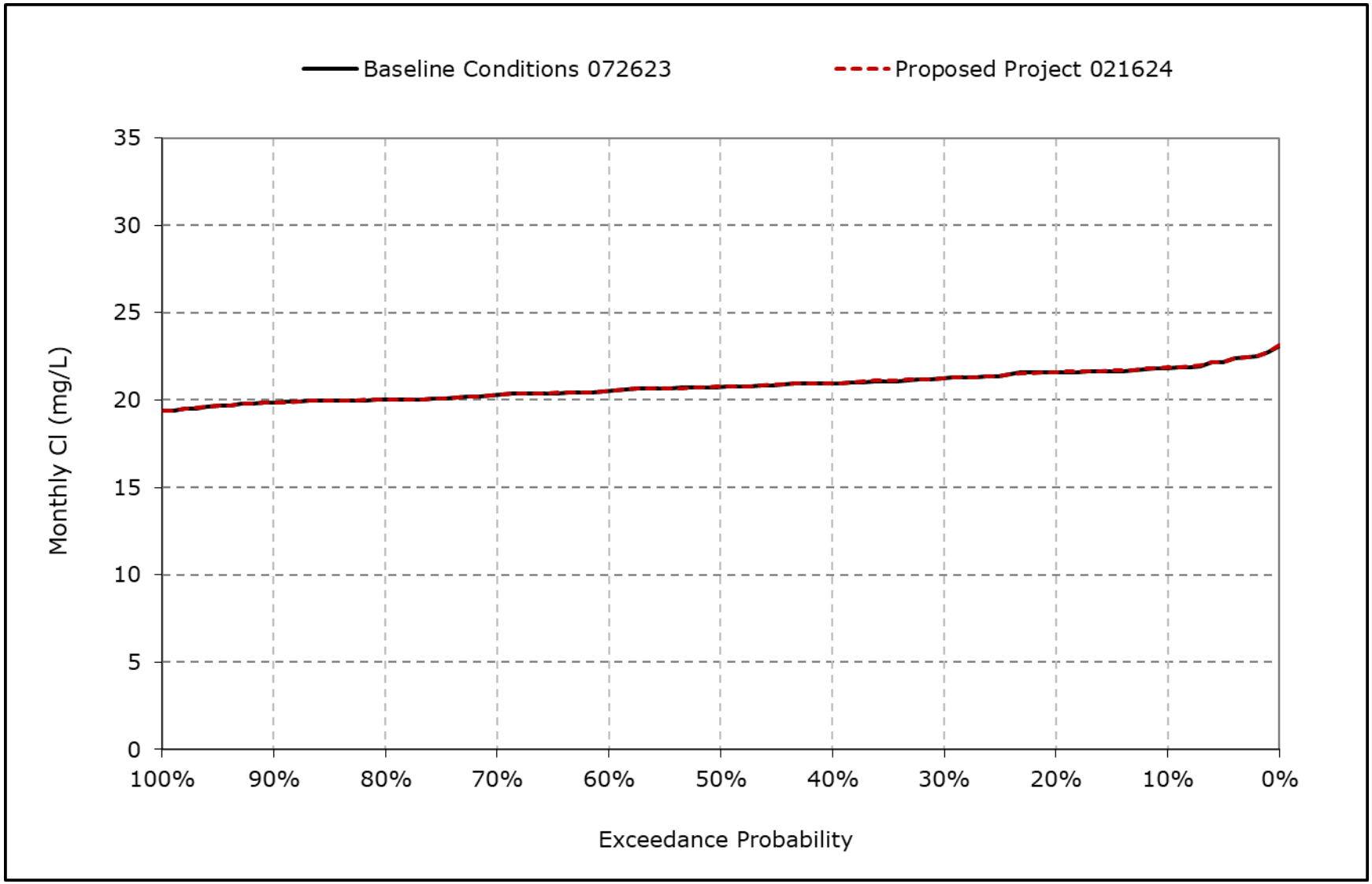
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-13g. North Bay Aqueduct Chloride, October Cl



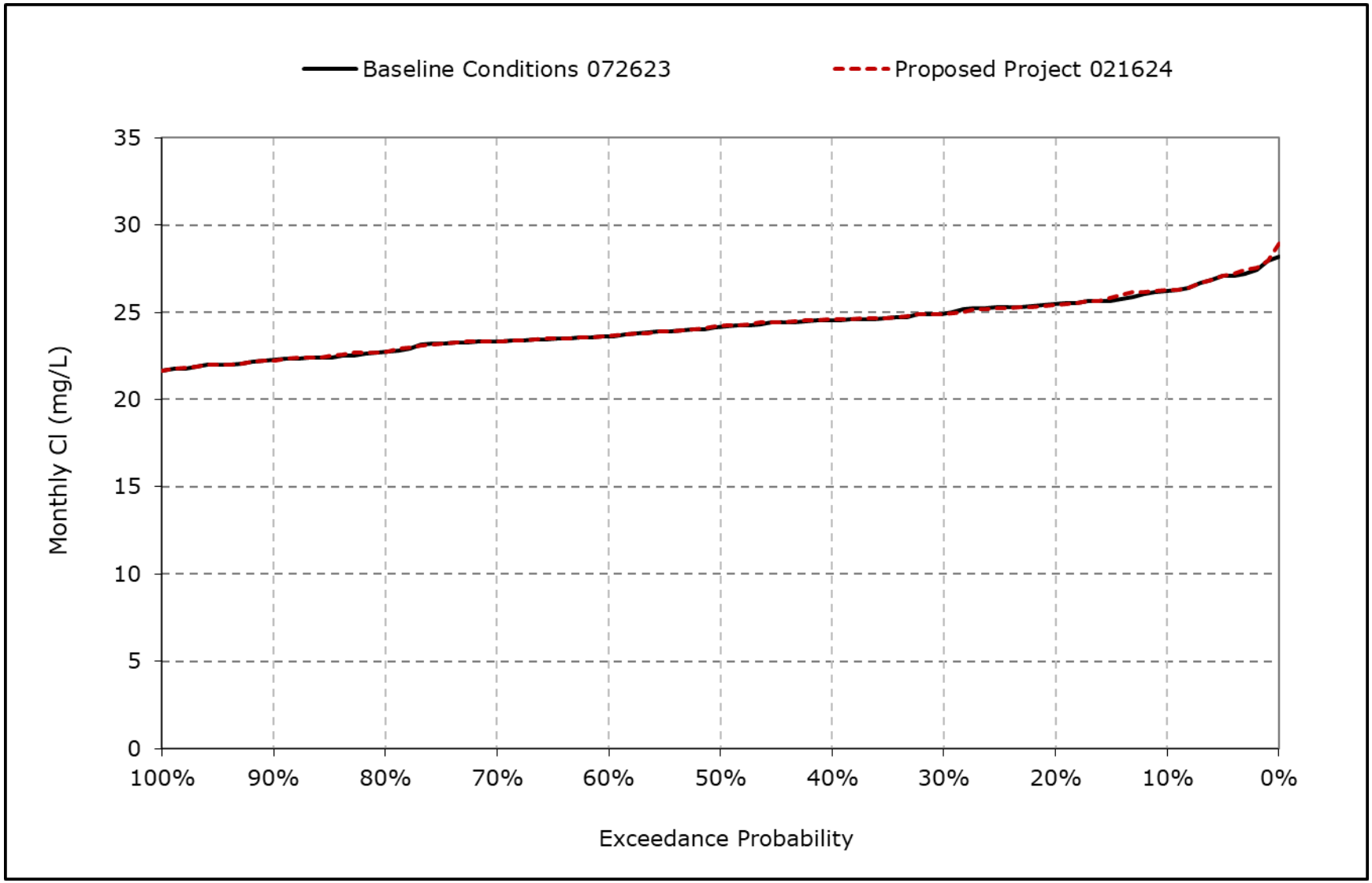
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-13h. North Bay Aqueduct Chloride, November Cl



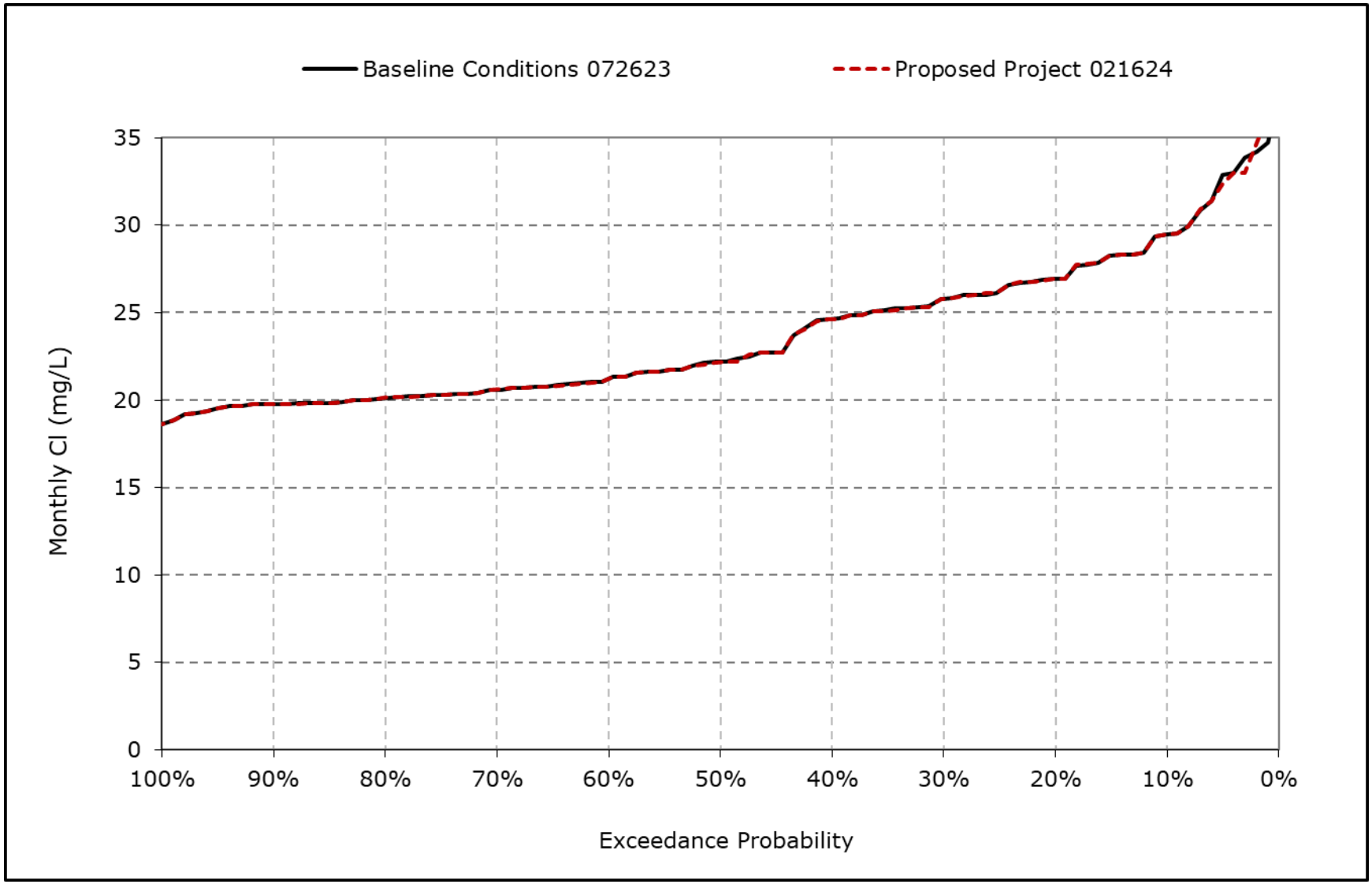
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-13i. North Bay Aqueduct Chloride, December Cl



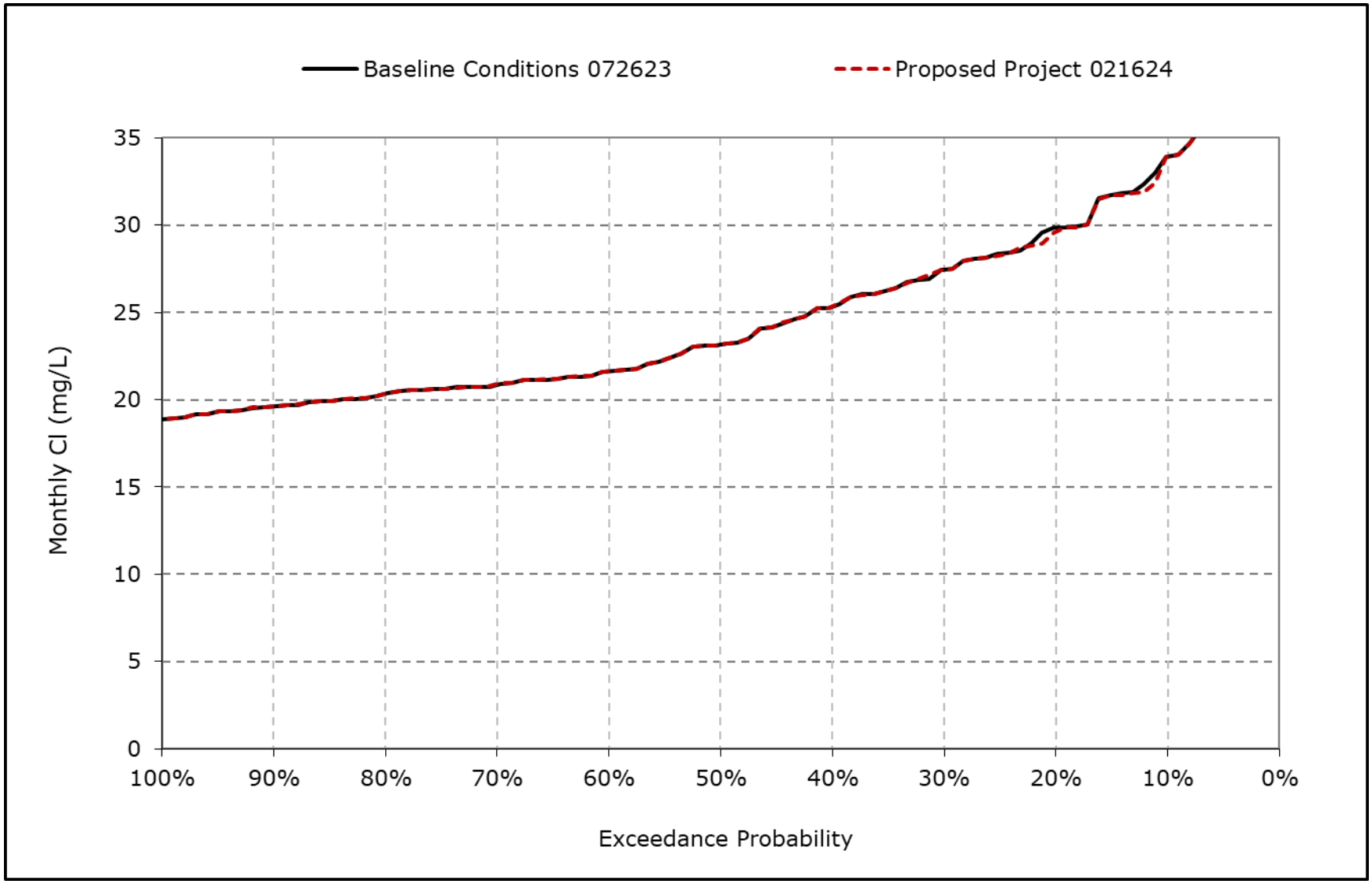
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-13j. North Bay Aqueduct Chloride, January Cl



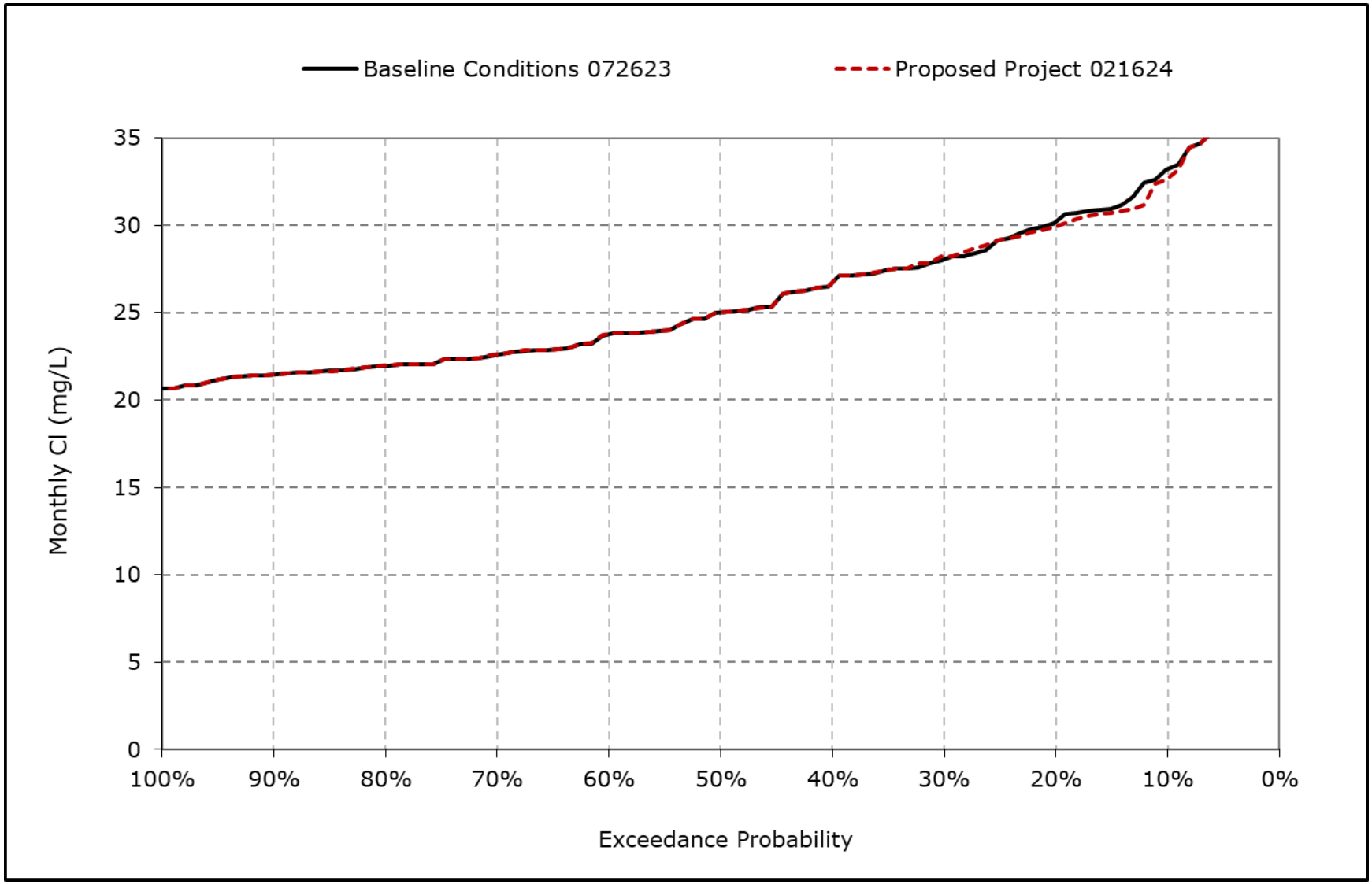
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-13k. North Bay Aqueduct Chloride, February Cl



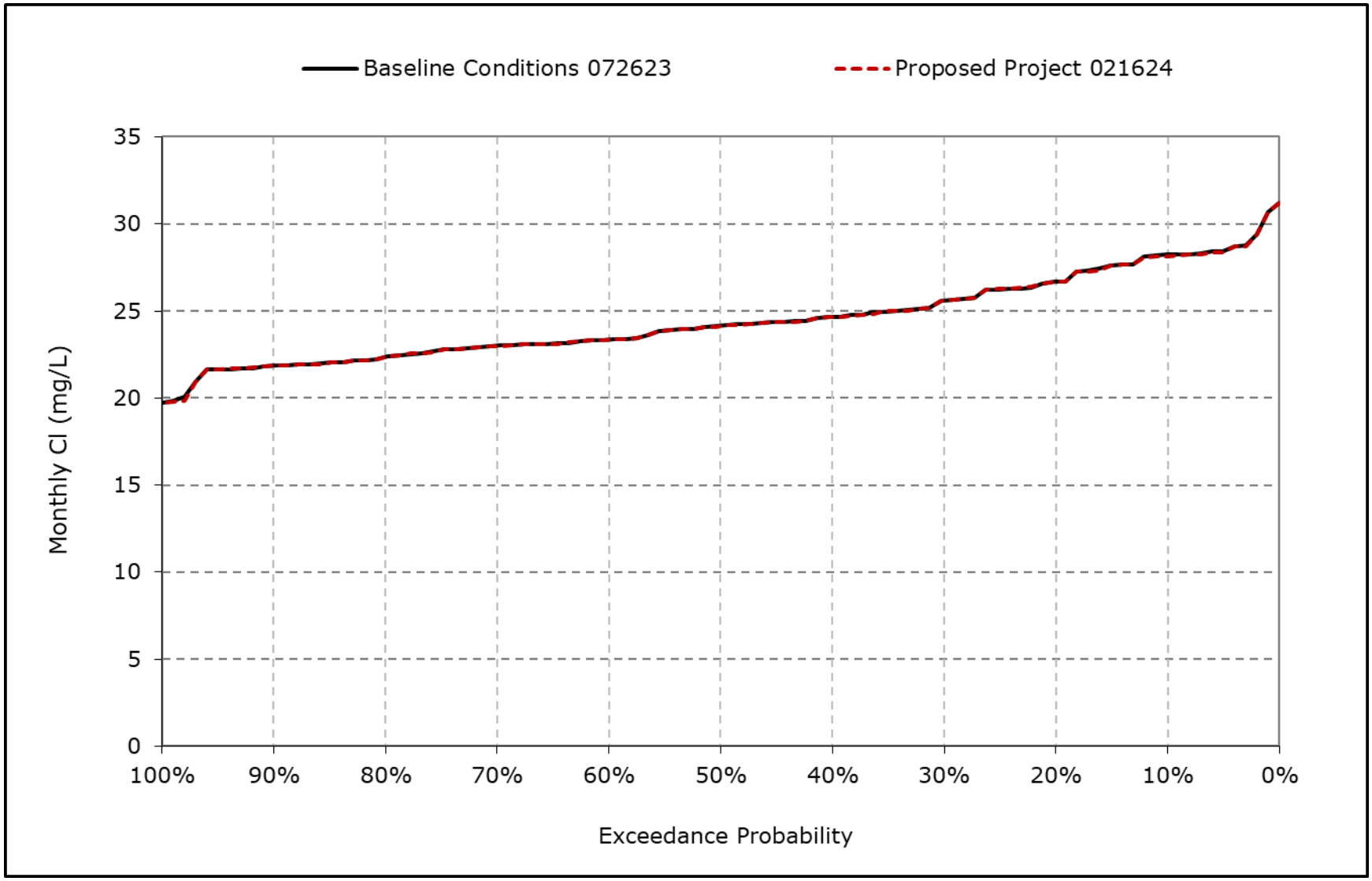
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-13l. North Bay Aqueduct Chloride, March Cl



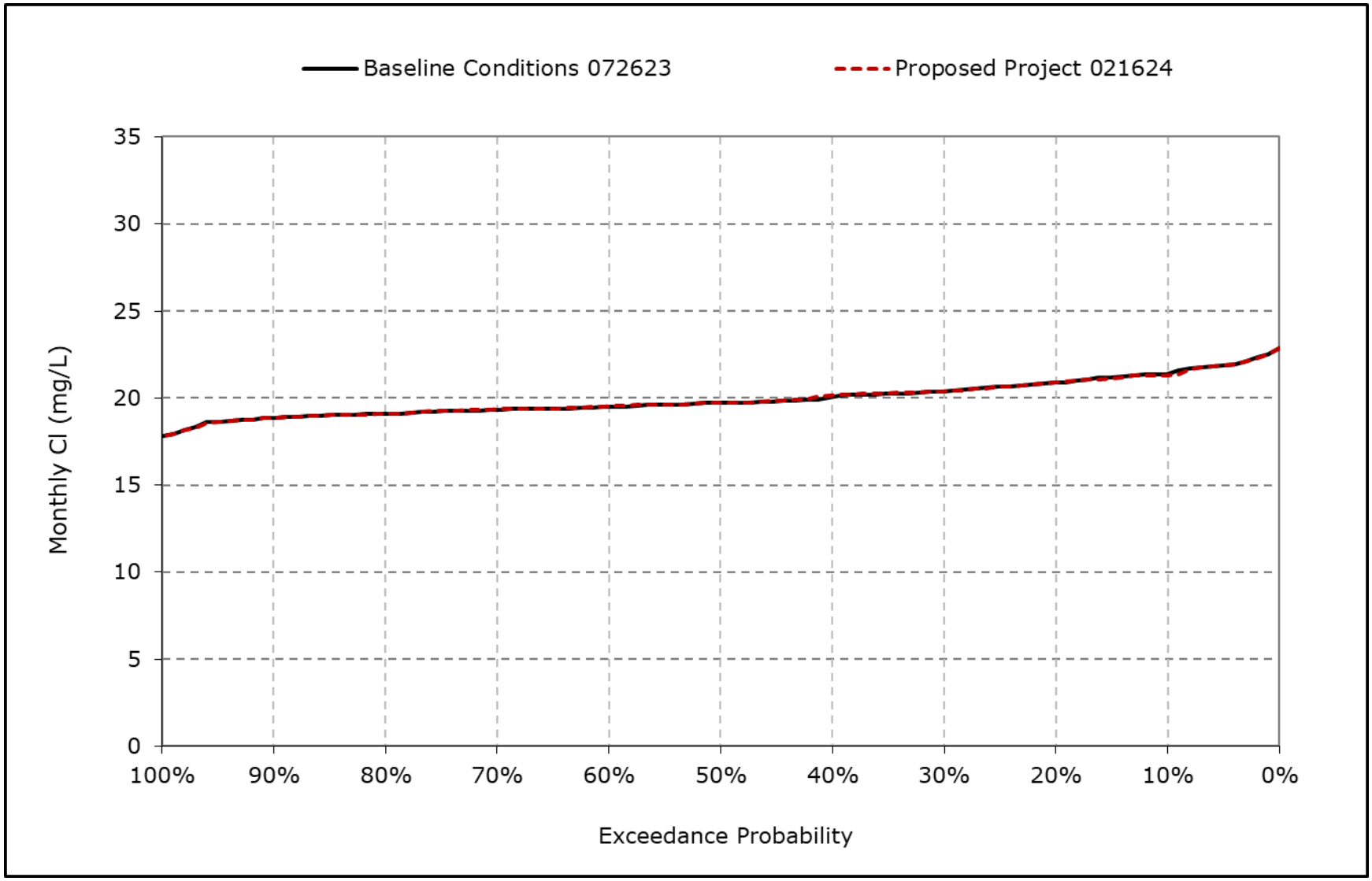
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-13m. North Bay Aqueduct Chloride, April Cl



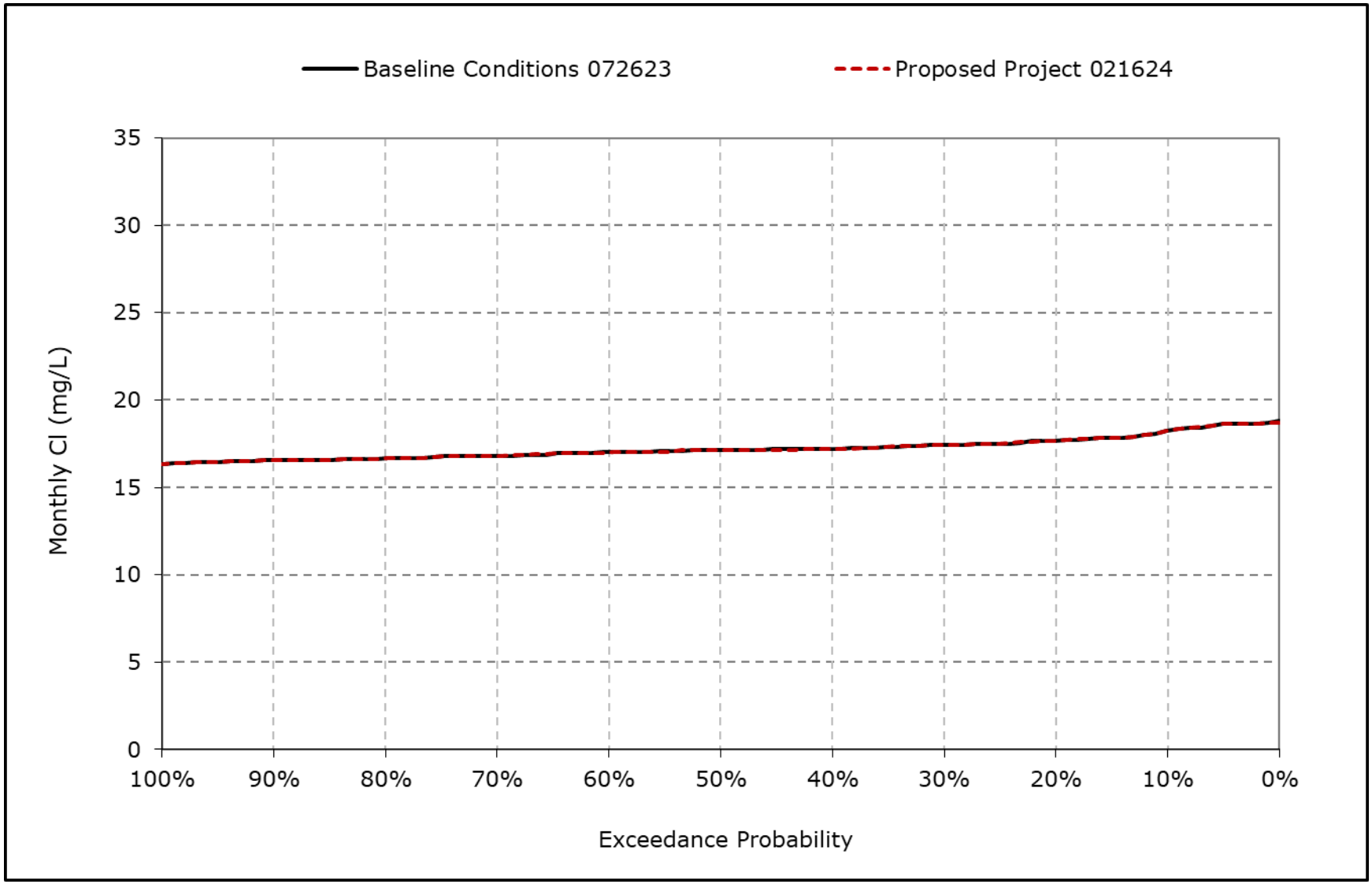
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-13n. North Bay Aqueduct Chloride, May Cl



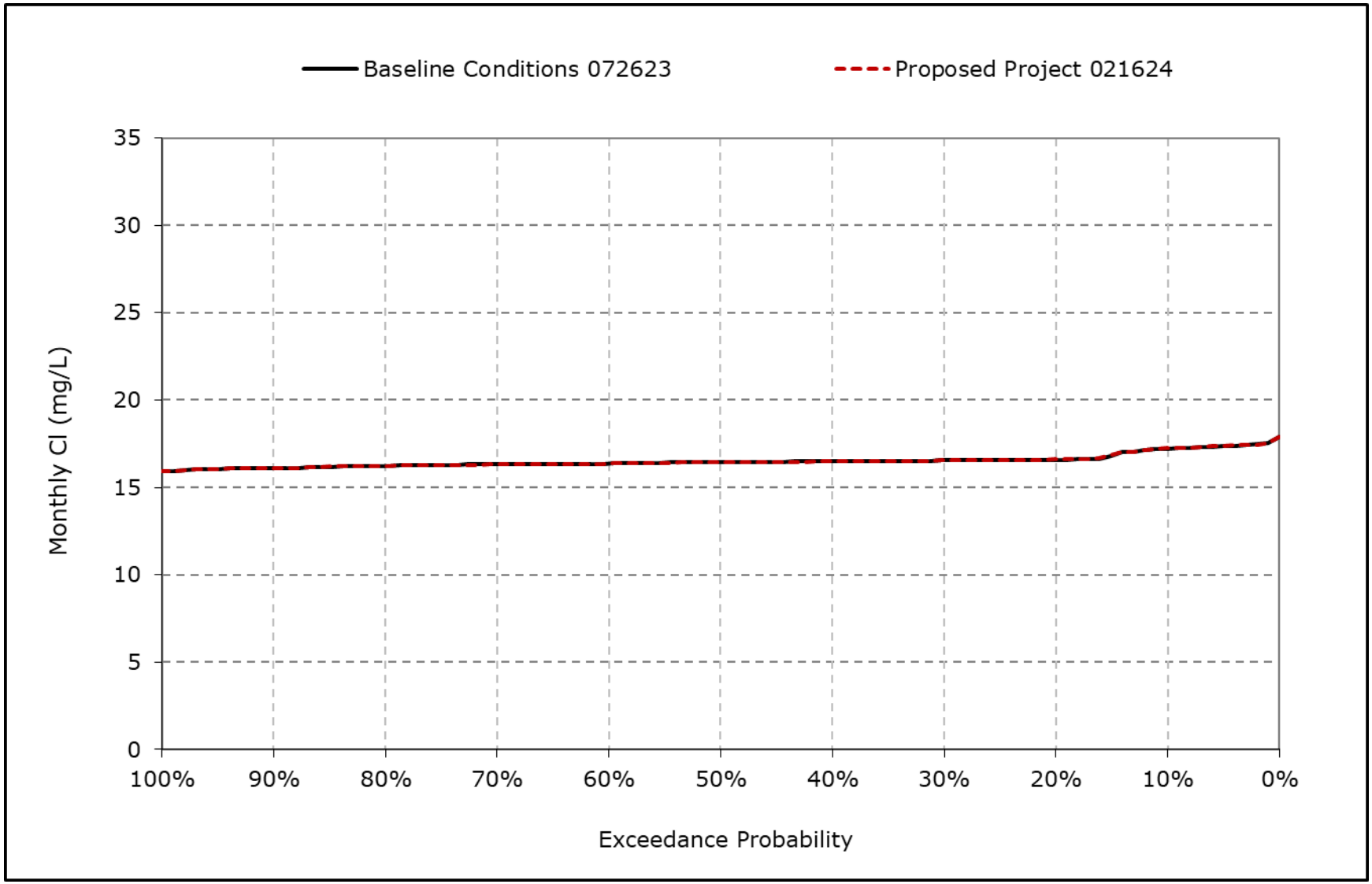
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-13o. North Bay Aqueduct Chloride, June Cl



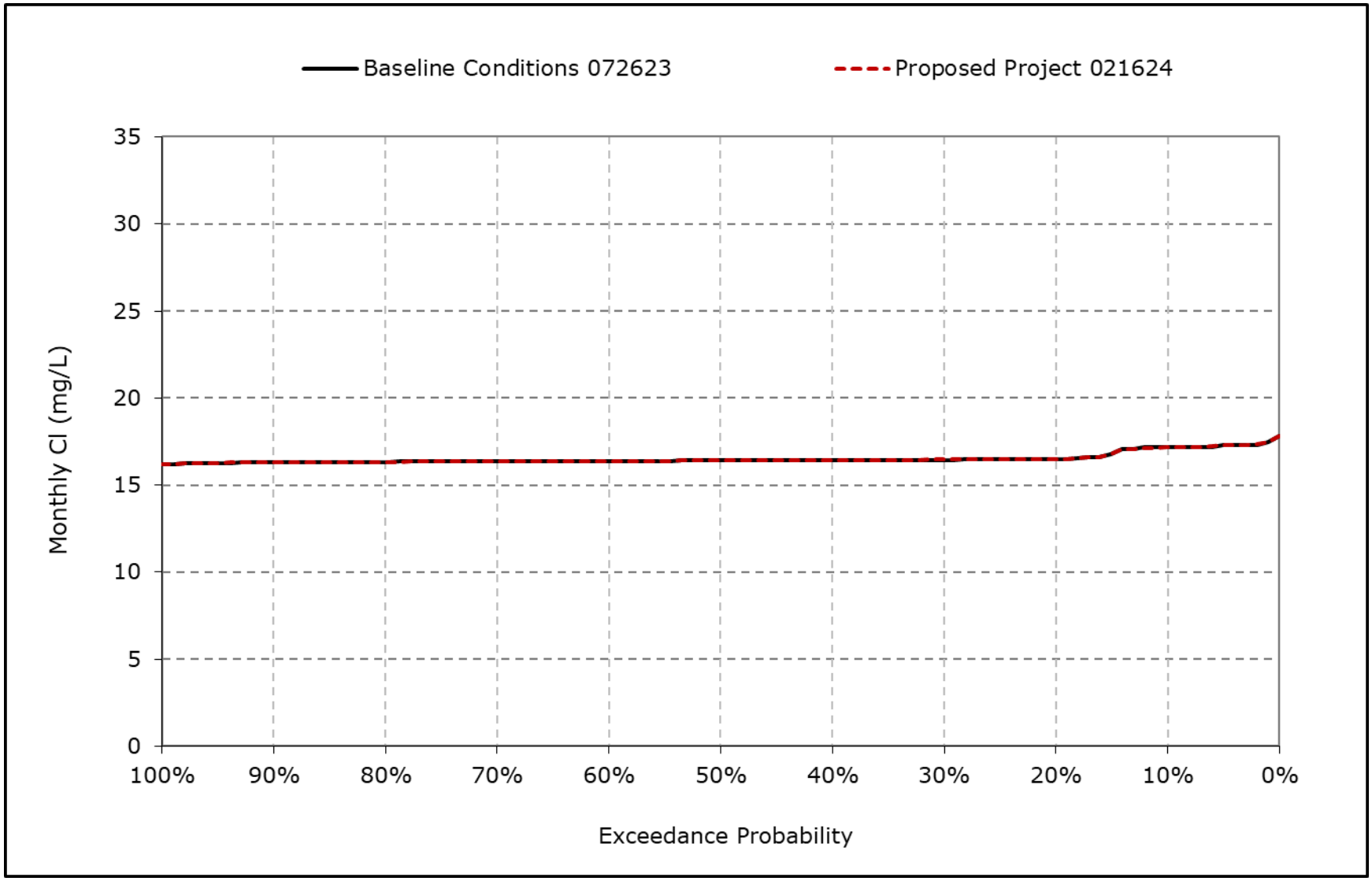
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-13p. North Bay Aqueduct Chloride, July Cl



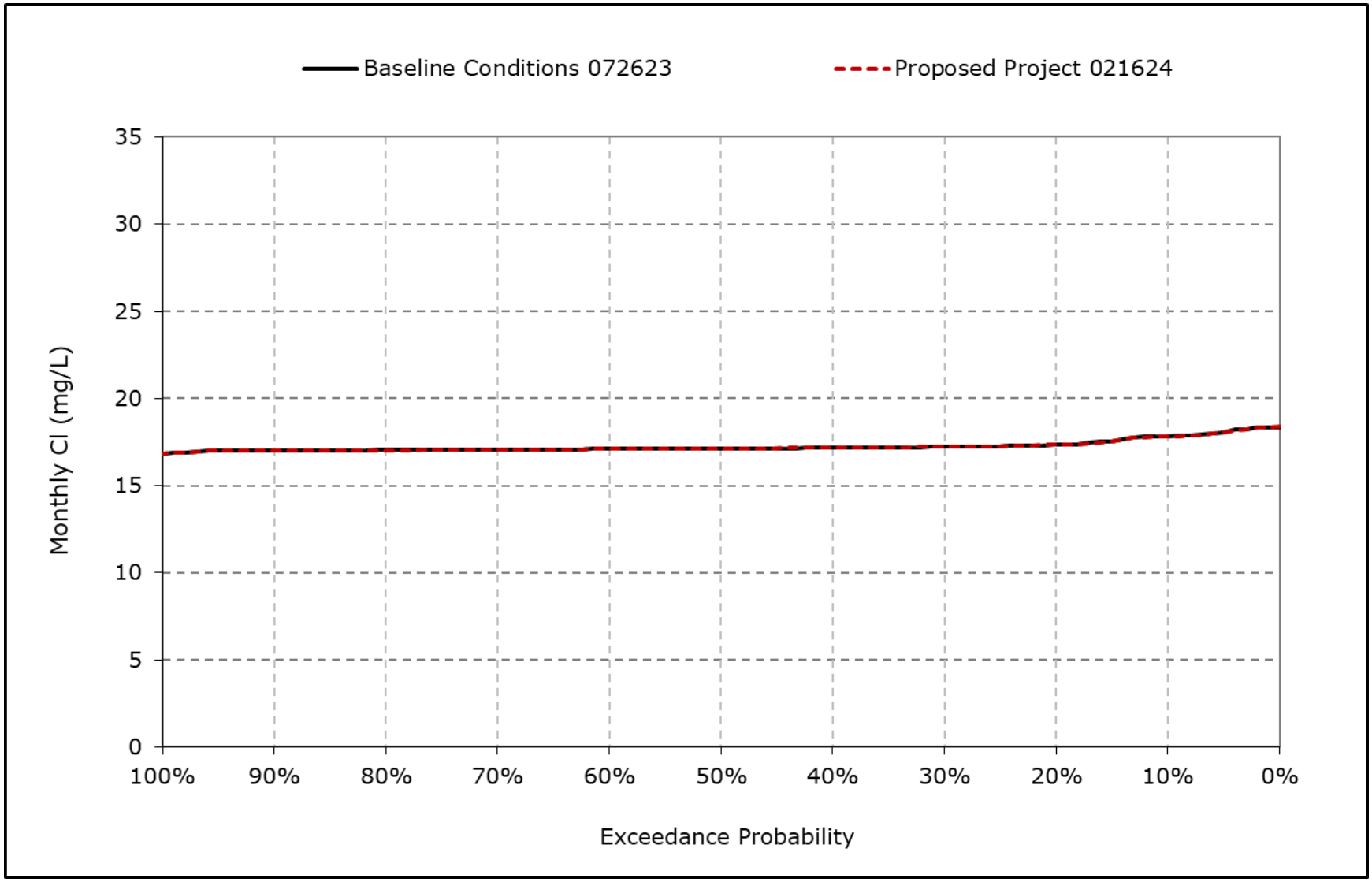
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-7-13q. North Bay Aqueduct Chloride, August Cl



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

Figure 4B-7-13r. North Bay Aqueduct Chloride, September Cl



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