Appendix 4L

Attachment 8: Chloride Results (DSM2)

Appendix 4L
Attachment 8: Chloride Results (DSM2)

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

- Baseline Conditions (082624)
- Proposed Project ITP Spring Outflow (091224)

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

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 4L-8-1-1a. Sacramento River at Mallard Slough Chloride, Baseline Conditions 082624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,538	4,234	3,475	2,662	1,333	1,110	1,266	1,711	2,584	3,251	3,617	4,307
20% Exceedance	4,204	4,013	3,260	2,101	858	627	881	1,205	1,774	2,520	3,348	4,084
30% Exceedance	4,001	3,783	2,879	1,679	460	248	605	1,013	1,599	2,339	3,127	3,806
40% Exceedance	3,860	3,596	2,578	912	234	166	357	653	1,527	2,066	2,843	3,532
50% Exceedance	3,370	3,031	2,114	630	130	105	191	380	1,204	1,763	2,520	3,111
60% Exceedance	1,469	2,344	1,559	378	52	29	95	236	908	1,423	2,021	1,590
70% Exceedance	1,379	2,249	760	63	21	20	56	109	495	1,180	1,887	1,510
80% Exceedance	1,363	2,044	320	24	18	17	23	28	158	926	1,723	1,480
90% Exceedance	1,303	1,335	161	17	16	16	16	19	41	659	1,548	1,393
Full Simulation Period Average[a]	2,813	2,873	1,915	1,000	440	335	467	686	1,195	1,776	2,480	2,769
Wet Water Years (32%)	2,511	2,349	904	174	25	23	56	114	346	805	1,521	1,297
Above Normal Years (9%)	2,619	2,704	1,702	356	58	49	83	211	636	1,162	1,883	1,428
Below Normal Years (20%)	2,625	2,864	2,299	1,027	312	145	254	440	1,200	1,793	2,564	3,191
Dry Water Years (21%)	2,803	2,989	2,288	1,571	666	469	696	939	1,550	2,373	3,146	3,854
Critical Water Years (18%)	3,665	3,762	2,955	2,096	1,247	1,089	1,358	1,919	2,566	3,095	3,614	4,322

Table 4L-8-1-1b. Sacramento River at Mallard Slough Chloride, Proposed Project ITP Spring Outflow 091224, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4,543	4,250	3,483	2,605	1,287	1,106	1,274	1,726	2,585	3,254	3,617	4,320
20% Exceedance	4,226	3,963	3,253	2,088	855	609	863	1,203	1,808	2,506	3,361	4,119
30% Exceedance	4,024	3,796	2,864	1,701	445	244	607	1,026	1,615	2,339	3,213	3,926
40% Exceedance	3,877	3,608	2,608	912	226	155	357	652	1,508	2,013	2,767	3,623
50% Exceedance	3,498	2,974	2,105	619	122	107	189	386	1,208	1,759	2,452	3,213
60% Exceedance	1,464	2,355	1,542	364	50	29	95	236	898	1,377	2,149	1,607
70% Exceedance	1,395	2,246	738	63	21	21	56	109	443	1,178	1,943	1,525
80% Exceedance	1,369	1,995	322	23	18	17	23	28	141	903	1,846	1,486
90% Exceedance	1,309	1,338	160	17	16	16	16	18	38	657	1,728	1,422
Full Simulation Period Average[a]	2,841	2,875	1,908	997	427	326	465	688	1,185	1,764	2,502	2,829
Wet Water Years (32%)	2,547	2,347	881	162	25	24	56	115	324	799	1,594	1,345
Above Normal Years (9%)	2,617	2,707	1,727	371	58	49	83	213	615	1,144	1,954	1,450
Below Normal Years (20%)	2,660	2,868	2,289	1,022	308	140	254	456	1,197	1,751	2,468	3,314
Dry Water Years (21%)	2,811	2,999	2,293	1,576	653	457	692	941	1,554	2,374	3,200	3,938
Critical Water Years (18%)	3,709	3,757	2,950	2,089	1,196	1,057	1,353	1,905	2,559	3,095	3,614	4,323

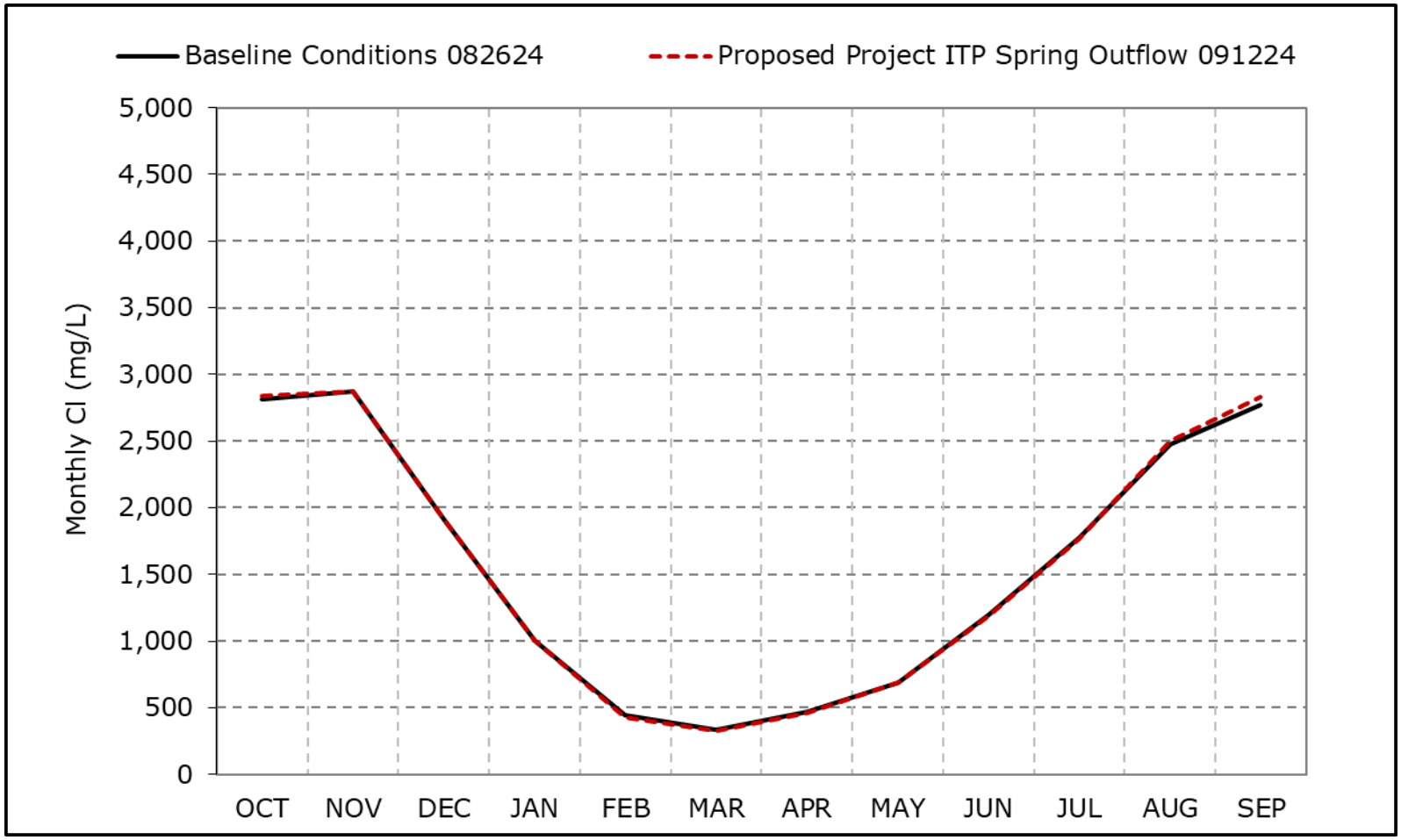
Table 4L-8-1-1c. Sacramento River at Mallard Slough Chloride, Proposed Project ITP Spring Outflow 091224 minus Baseline Conditions 082624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	5	16	8	-57	-47	-4	8	15	1	3	0	13
20% Exceedance	21	-50	-7	-12	-3	-18	-18	-2	34	-13	12	35
30% Exceedance	23	13	-15	22	-15	-5	3	13	16	0	86	120
40% Exceedance	17	12	30	-1	-8	-11	1	-2	-20	-52	-76	91
50% Exceedance	127	-57	-10	-10	-8	1	-2	6	4	-4	-68	103
60% Exceedance	-5	11	-17	-14	-2	0	0	0	-9	-46	128	17
70% Exceedance	17	-3	-22	-1	0	0	0	0	-51	-1	56	15
80% Exceedance	6	-49	2	-1	0	0	0	0	-17	-23	124	6
90% Exceedance	6	3	-1	0	0	0	0	0	-3	-2	180	29
Full Simulation Period Average[a]	28	2	-7	-4	-13	-9	-2	1	-10	-12	22	60
Wet Water Years (32%)	36	-1	-24	-12	-1	0	0	0	-22	-6	73	48
Above Normal Years (9%)	-1	3	26	15	-1	0	0	2	-21	-19	71	22
Below Normal Years (20%)	35	3	-9	-5	-4	-5	-1	16	-3	-42	-96	123
Dry Water Years (21%)	8	10	5	5	-13	-11	-4	2	4	1	54	84
Critical Water Years (18%)	44	-4	-5	-7	-51	-32	-4	-14	-7	0	1	1

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

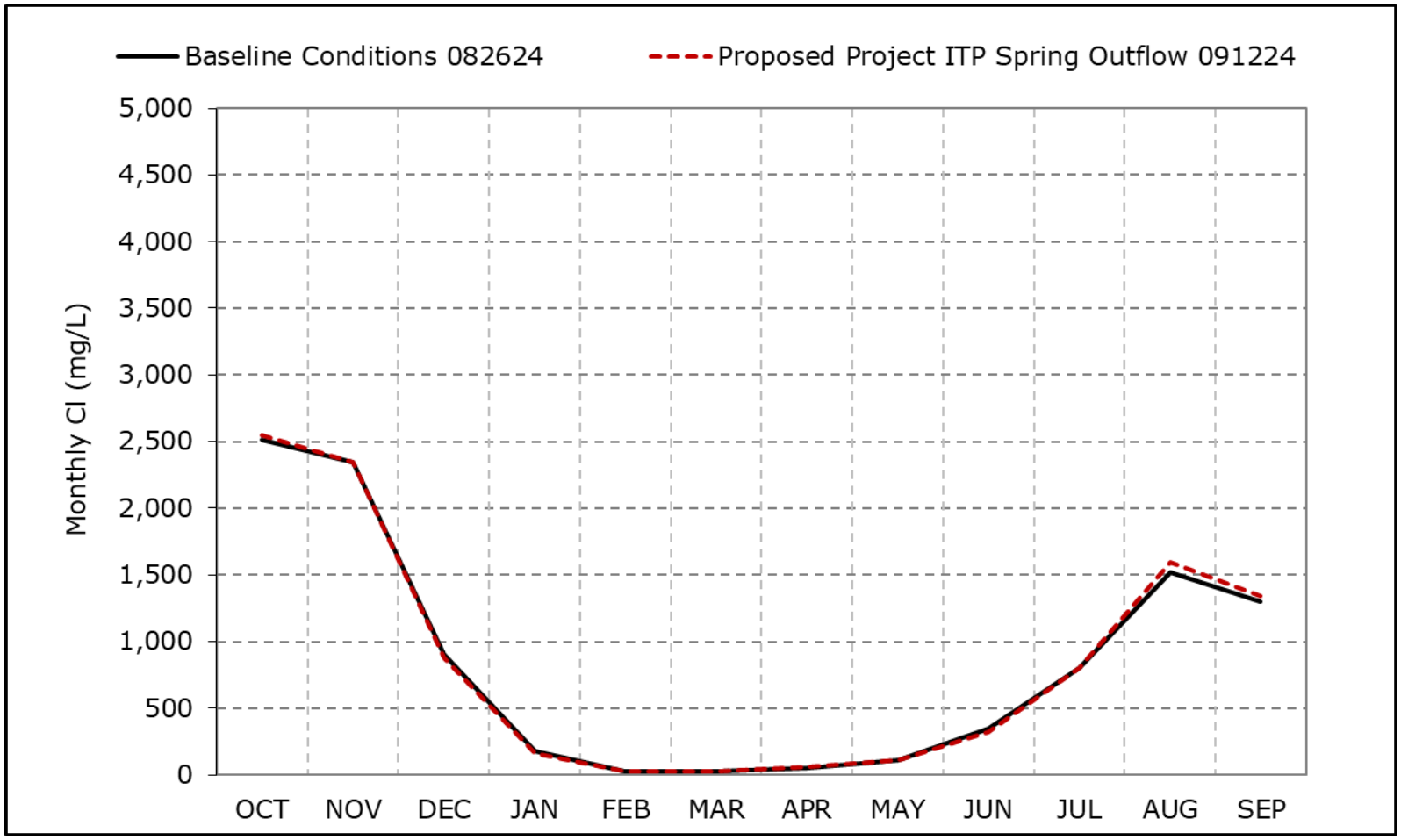
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4L-8-1a. Sacramento River at Mallard Slough Chloride, Long-Term Average Cl



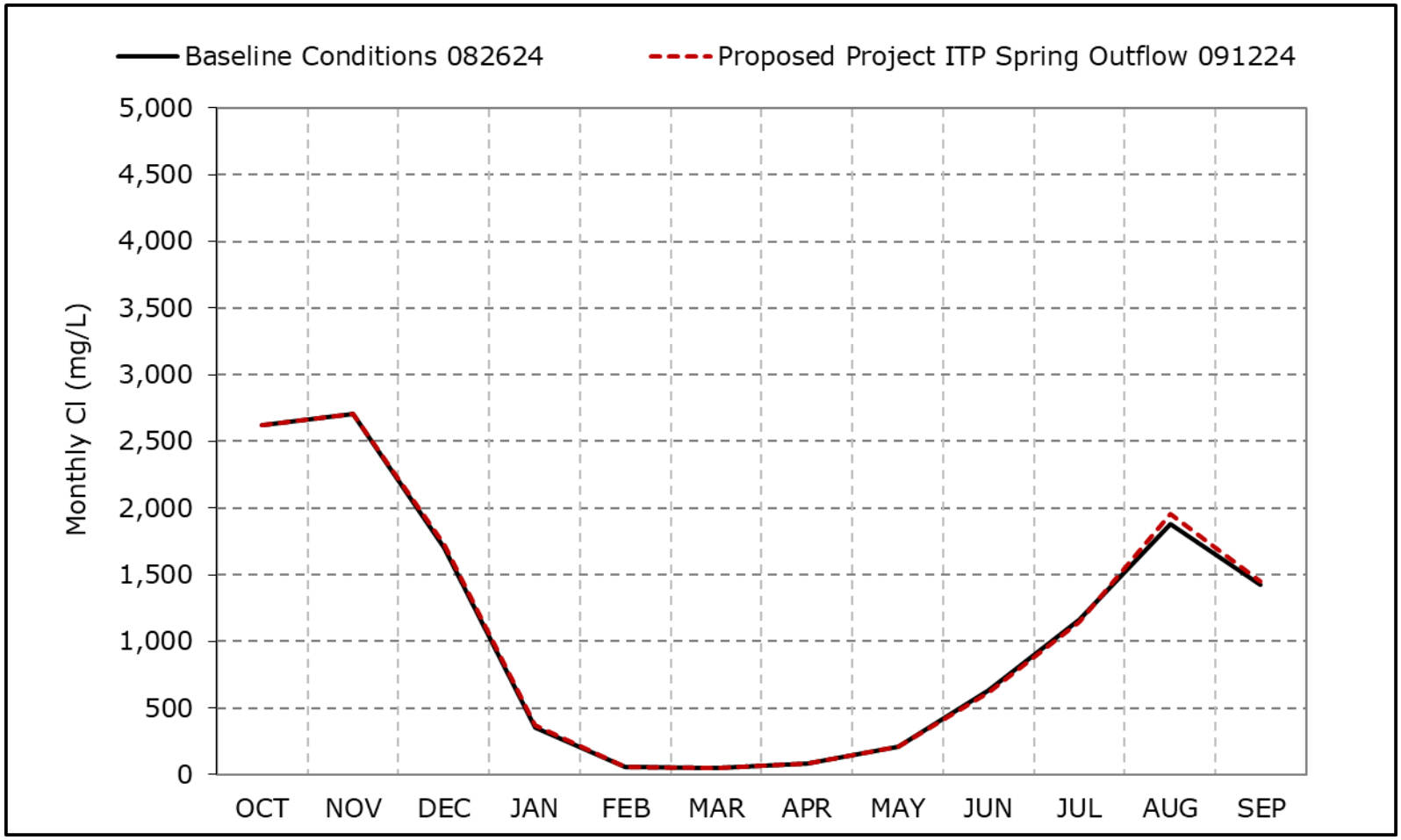
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-1b. Sacramento River at Mallard Slough Chloride, Wet Year Average Cl



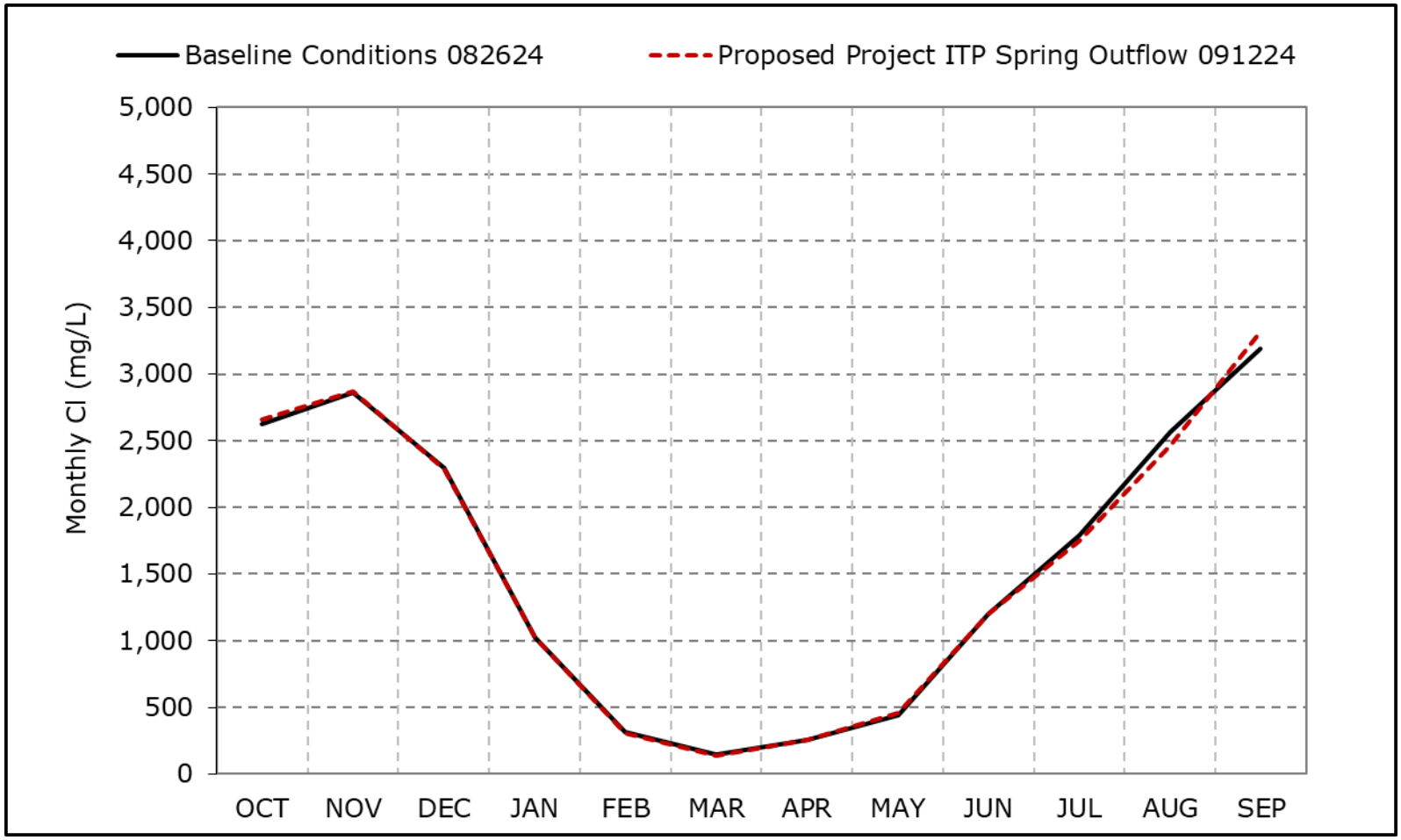
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-1c. Sacramento River at Mallard Slough Chloride, Above Normal Year Average Cl



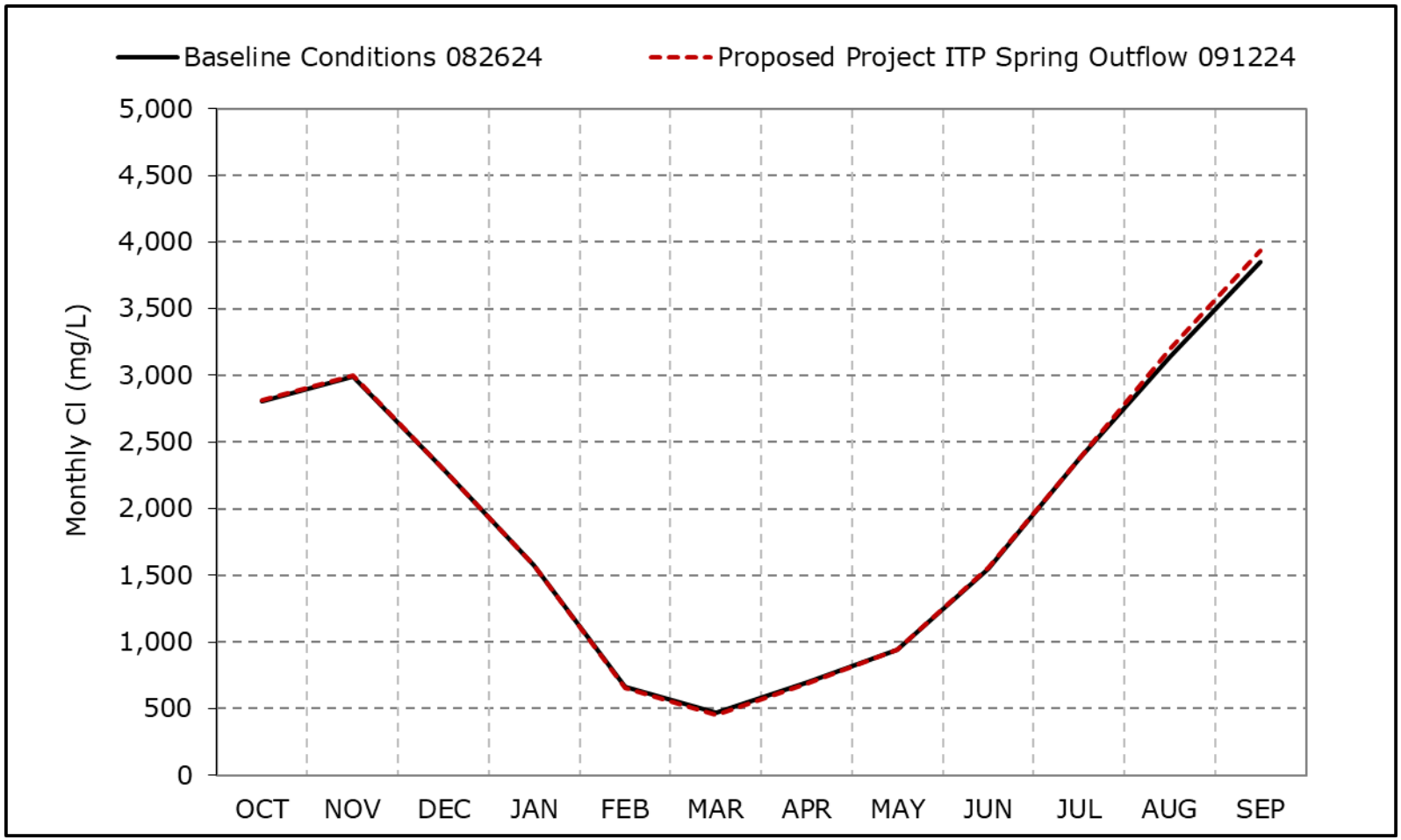
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-1d. Sacramento River at Mallard Slough Chloride, Below Normal Year Average Cl



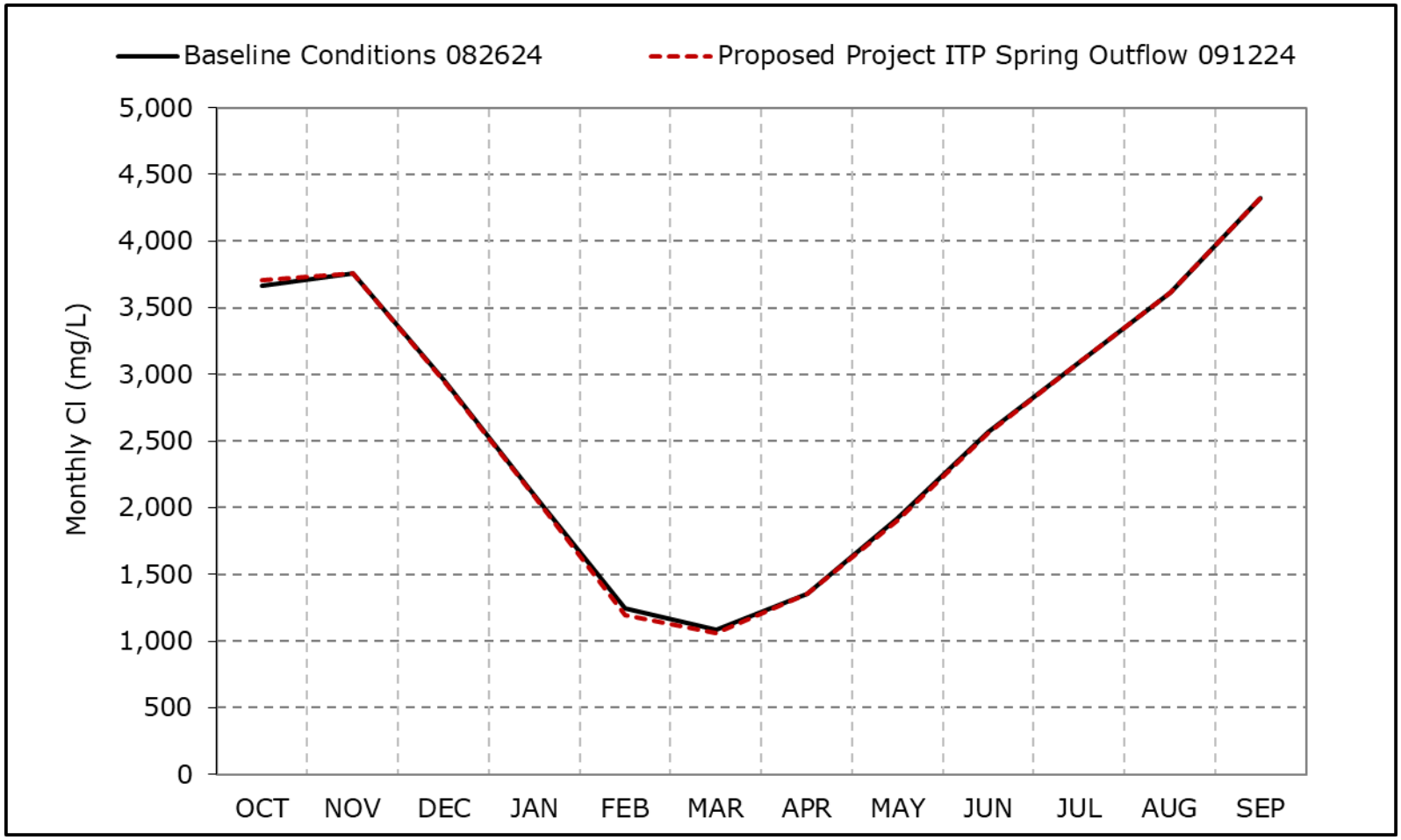
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-1e. Sacramento River at Mallard Slough Chloride, Dry Year Average Cl



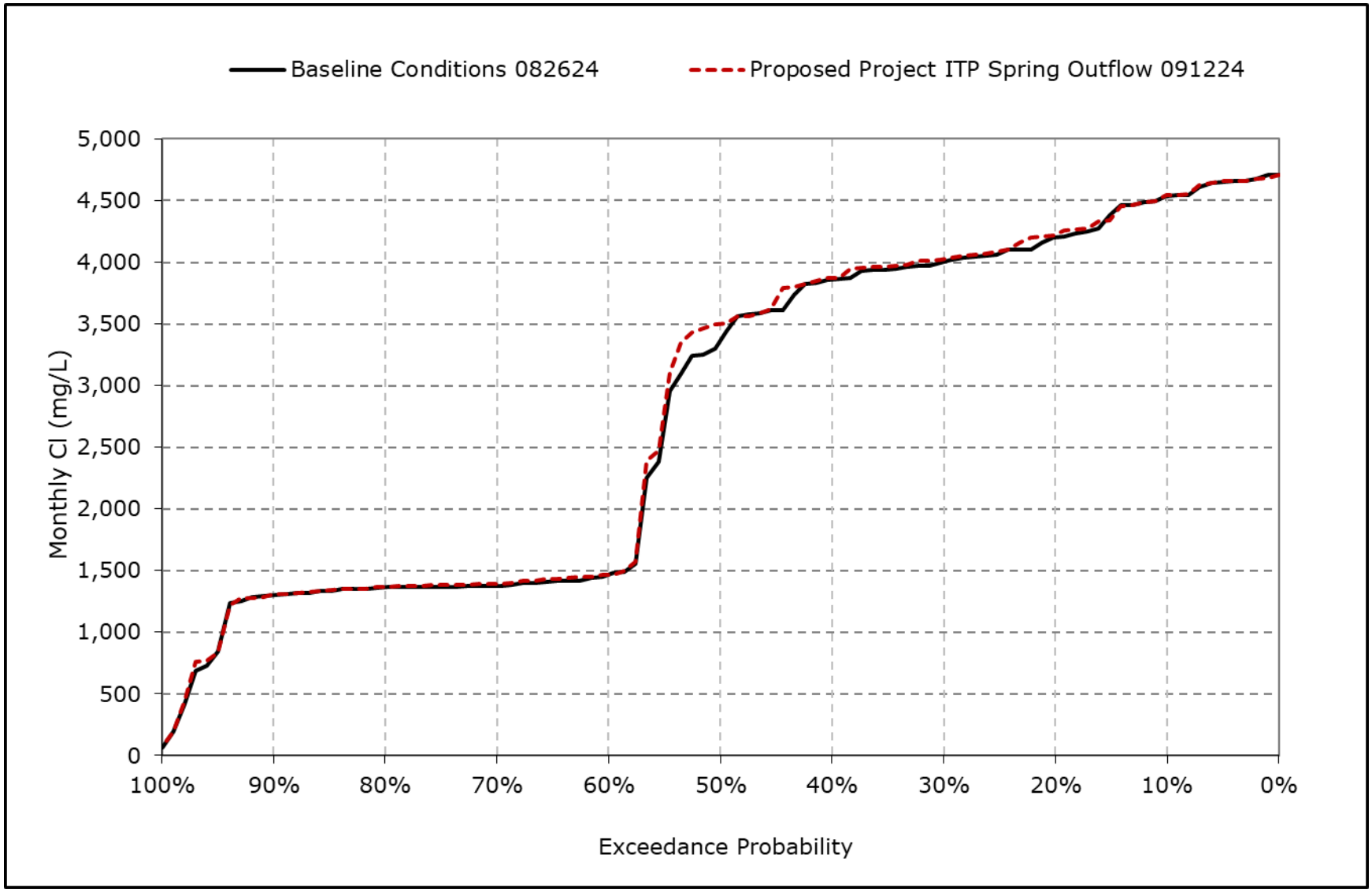
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-1f. Sacramento River at Mallard Slough Chloride, Critical Year Average Cl



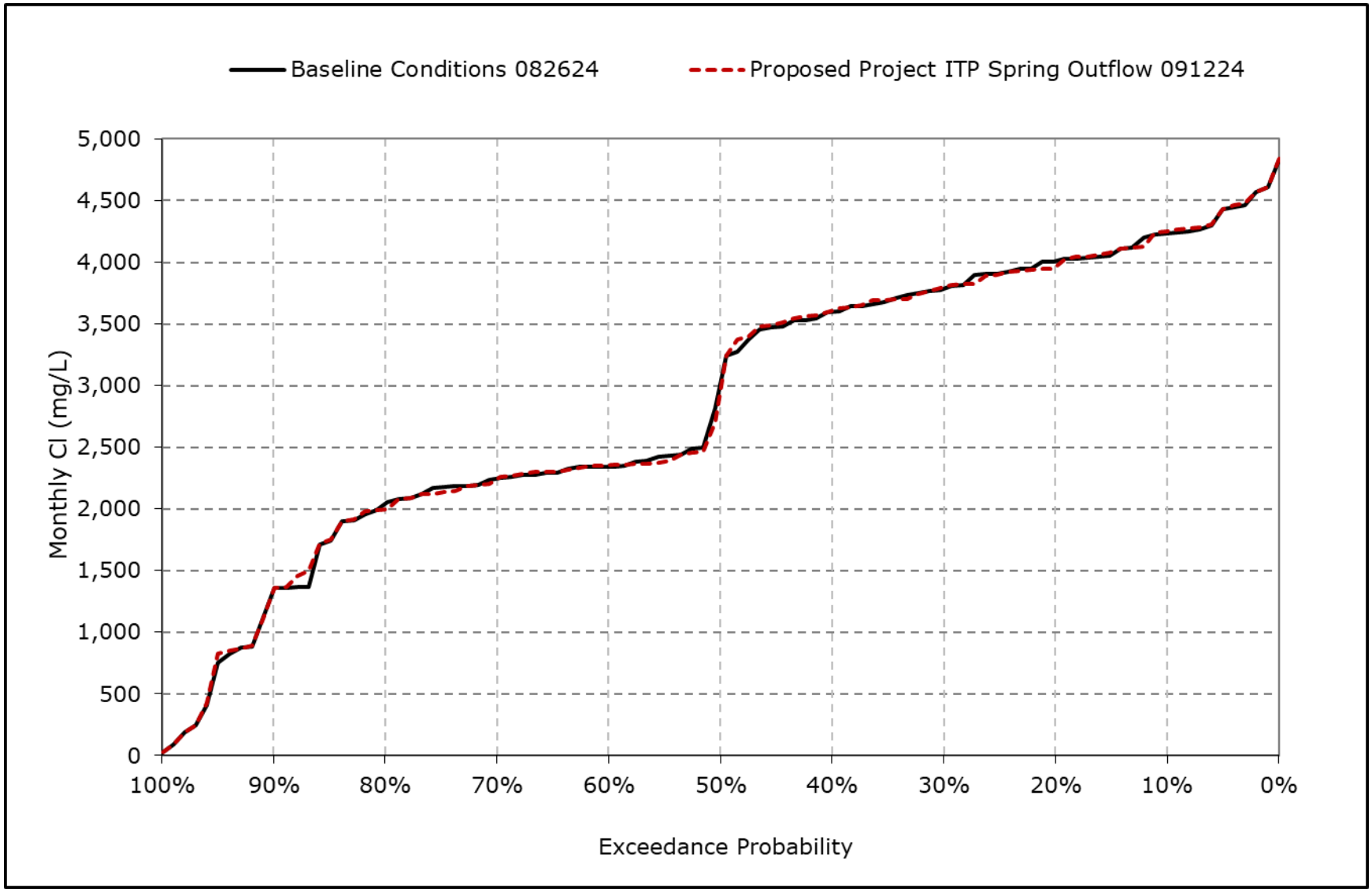
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-1g. Sacramento River at Mallard Slough Chloride, October Cl



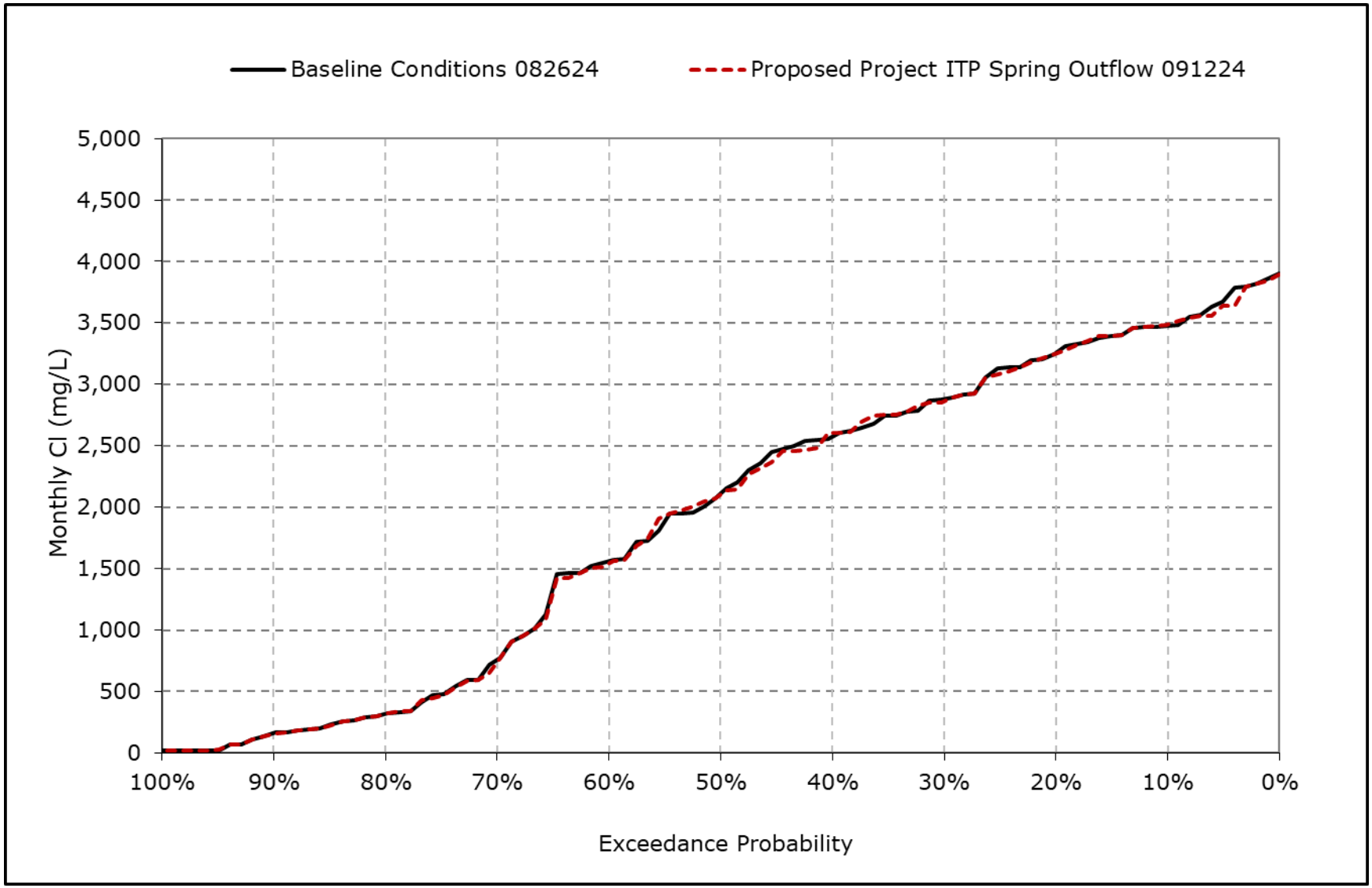
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-1h. Sacramento River at Mallard Slough Chloride, November Cl



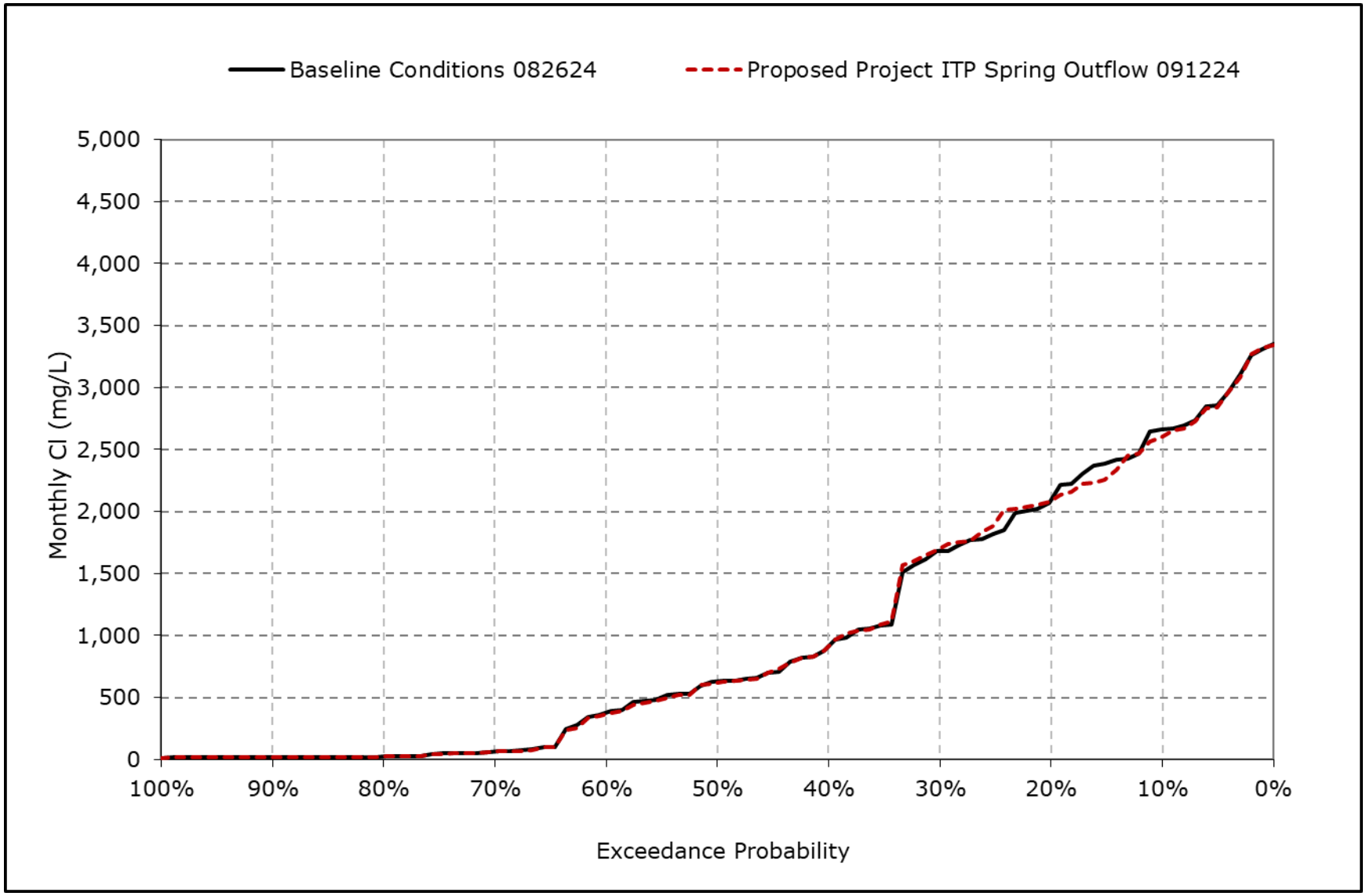
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-1i. Sacramento River at Mallard Slough Chloride, December Cl



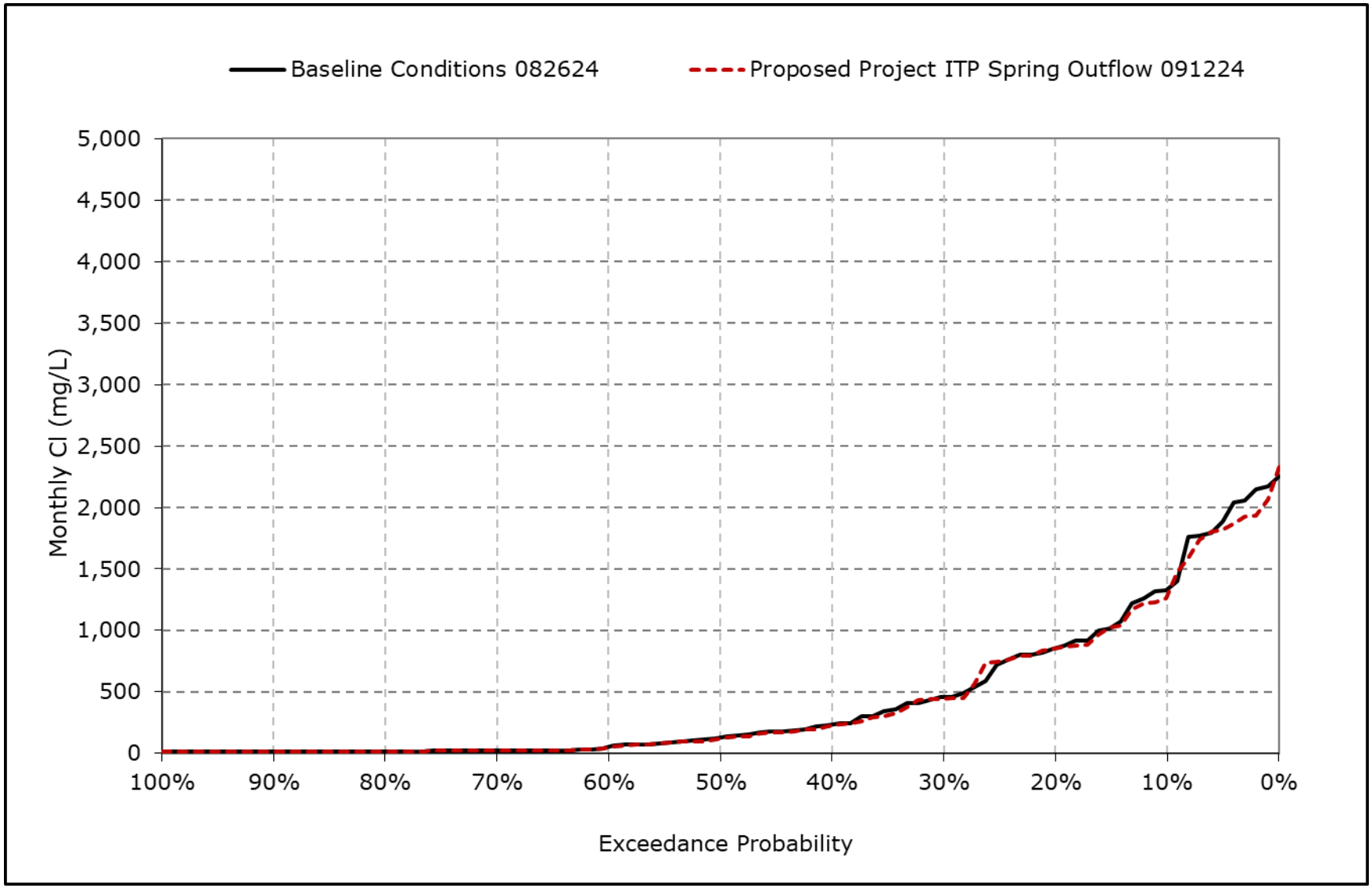
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-1j. Sacramento River at Mallard Slough Chloride, January Cl



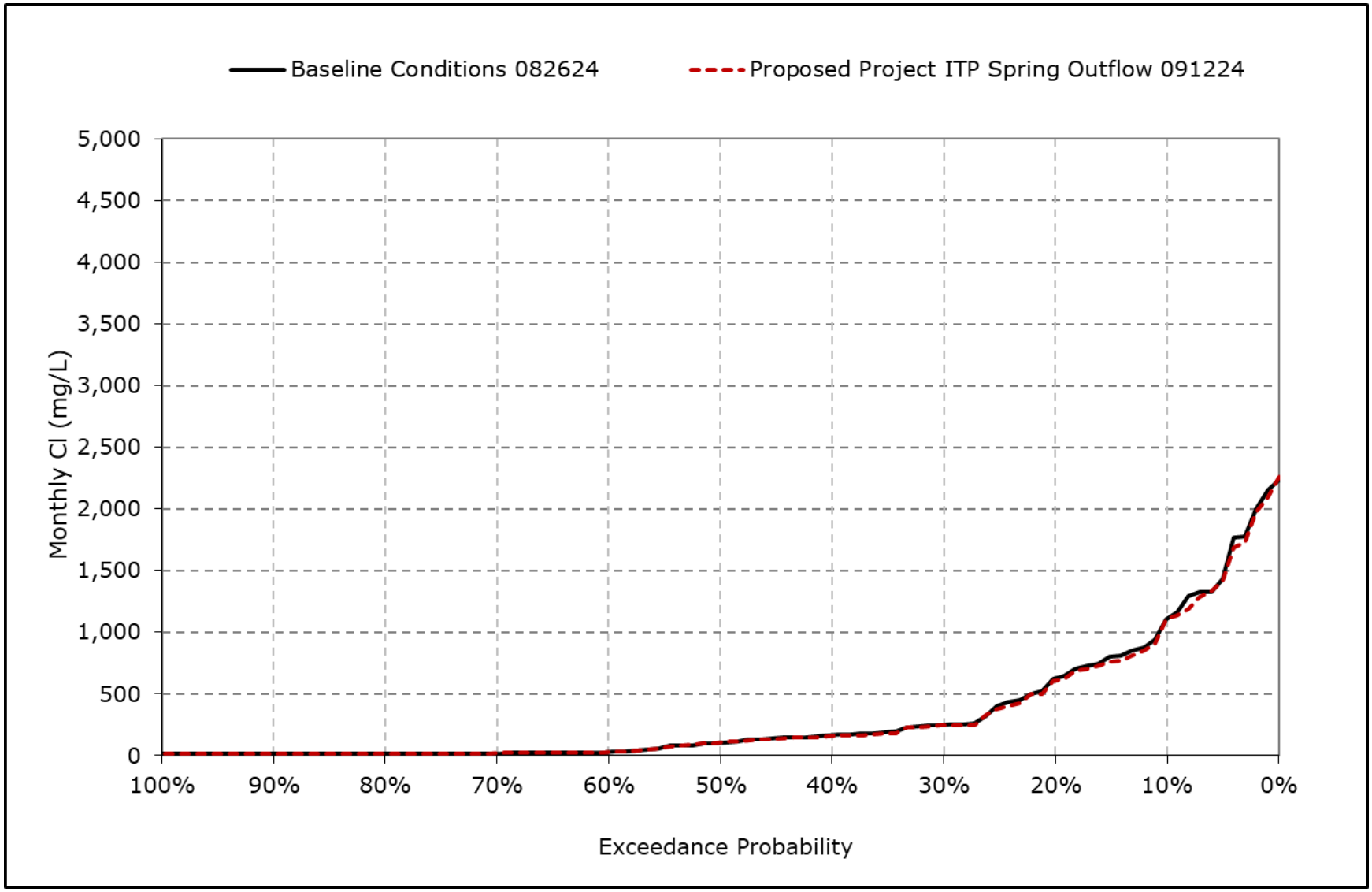
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-1k. Sacramento River at Mallard Slough Chloride, February Cl



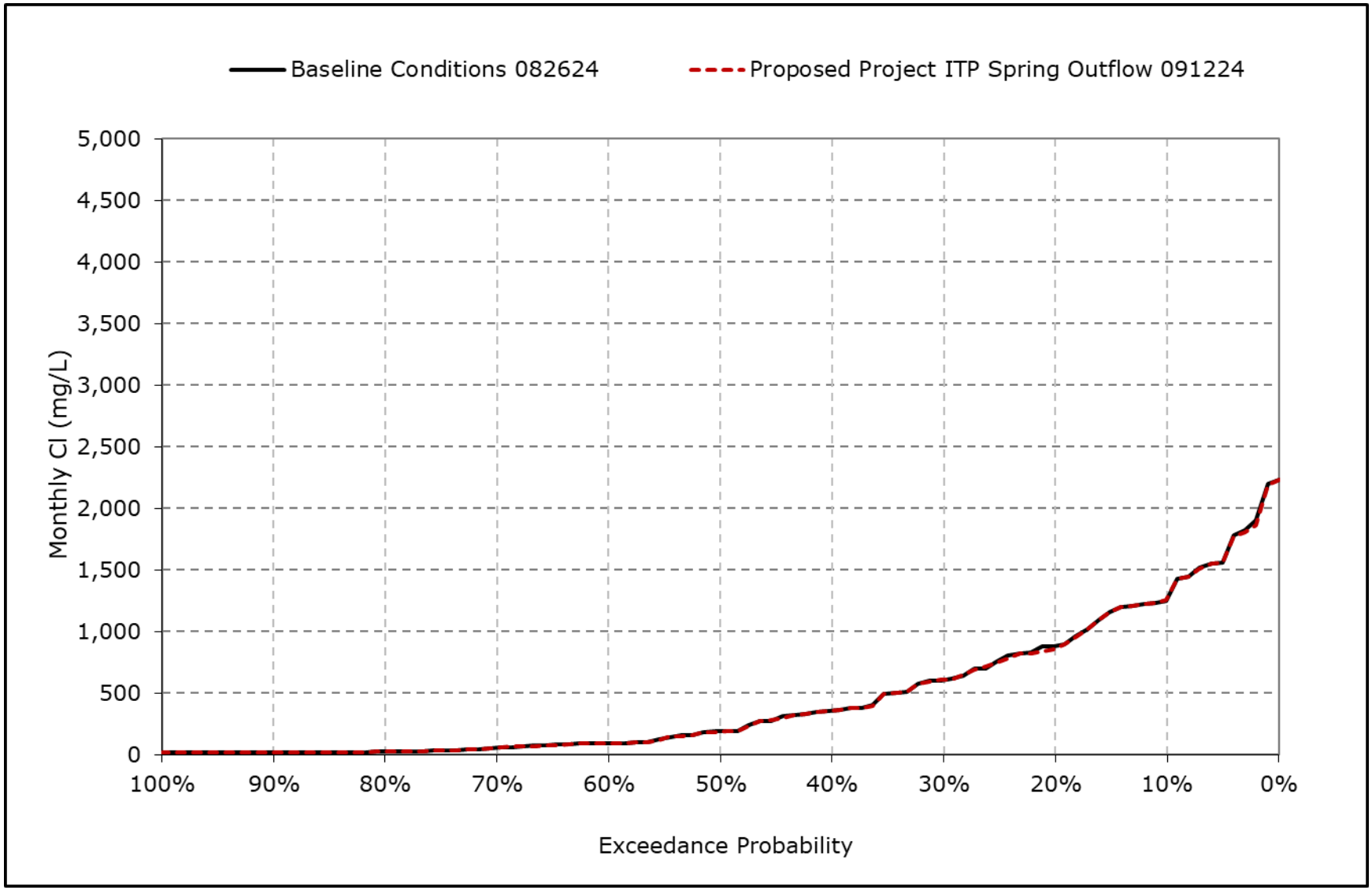
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-1l. Sacramento River at Mallard Slough Chloride, March Cl



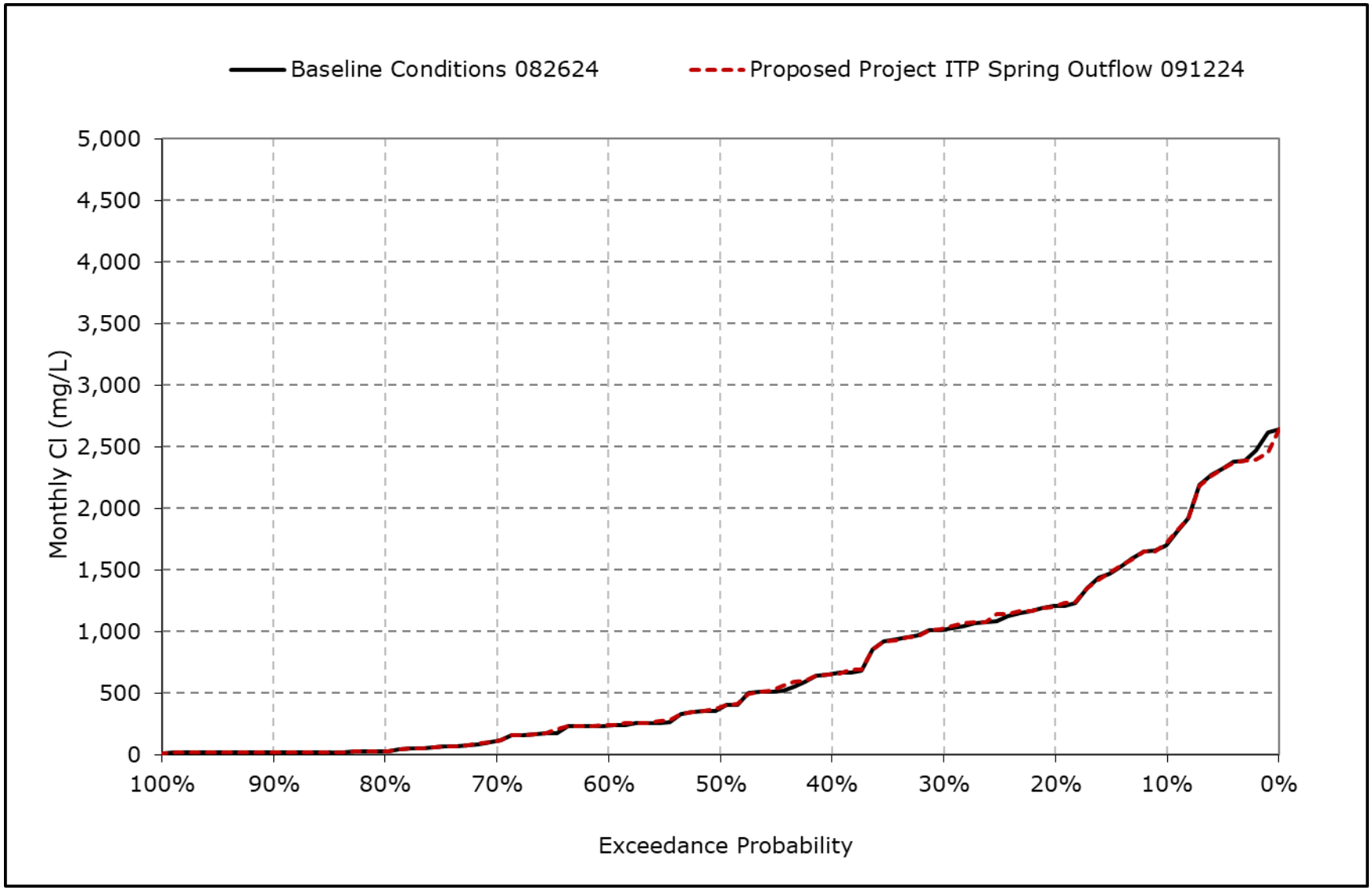
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-1m. Sacramento River at Mallard Slough Chloride, April Cl



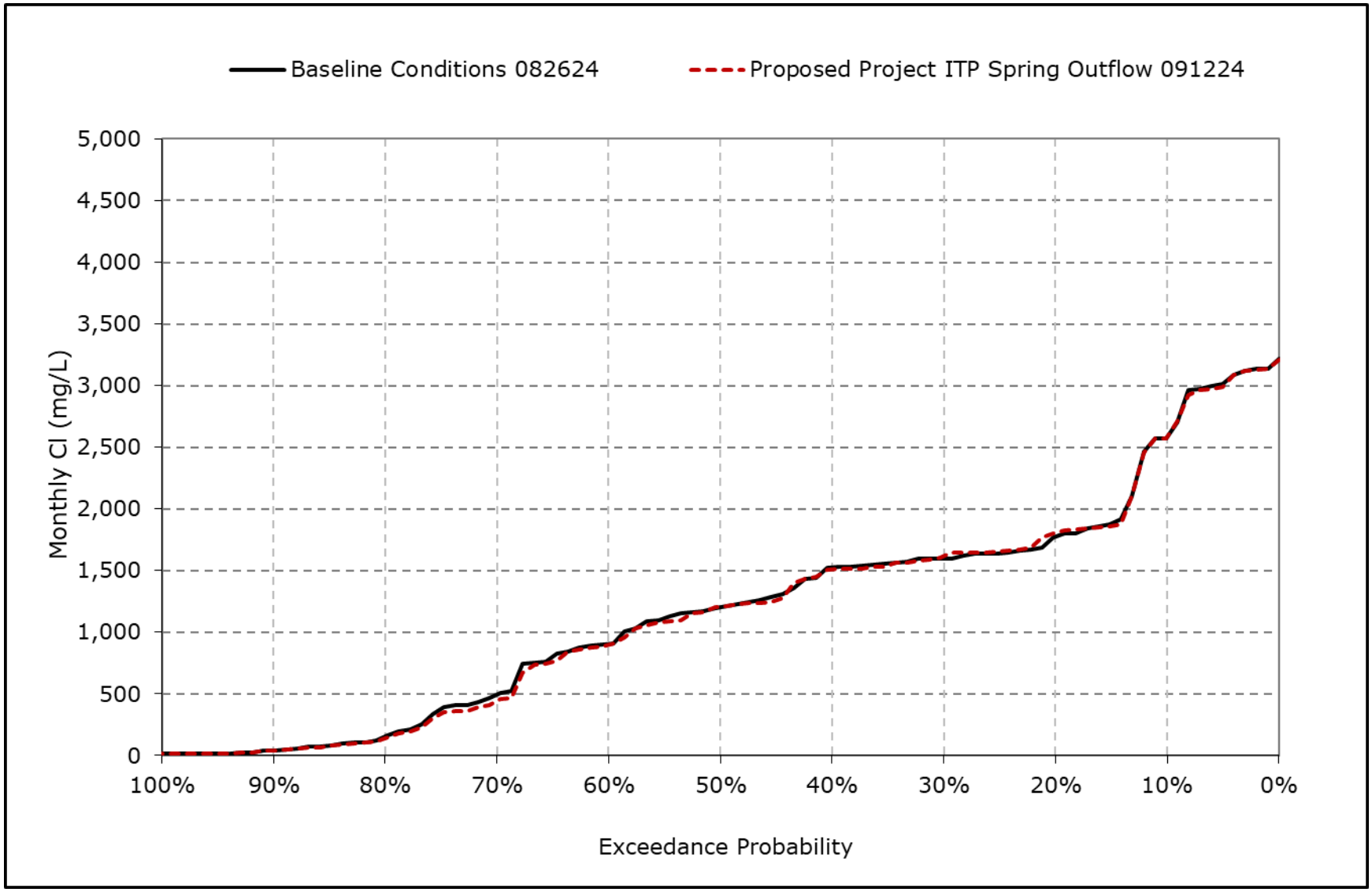
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-1n. Sacramento River at Mallard Slough Chloride, May Cl



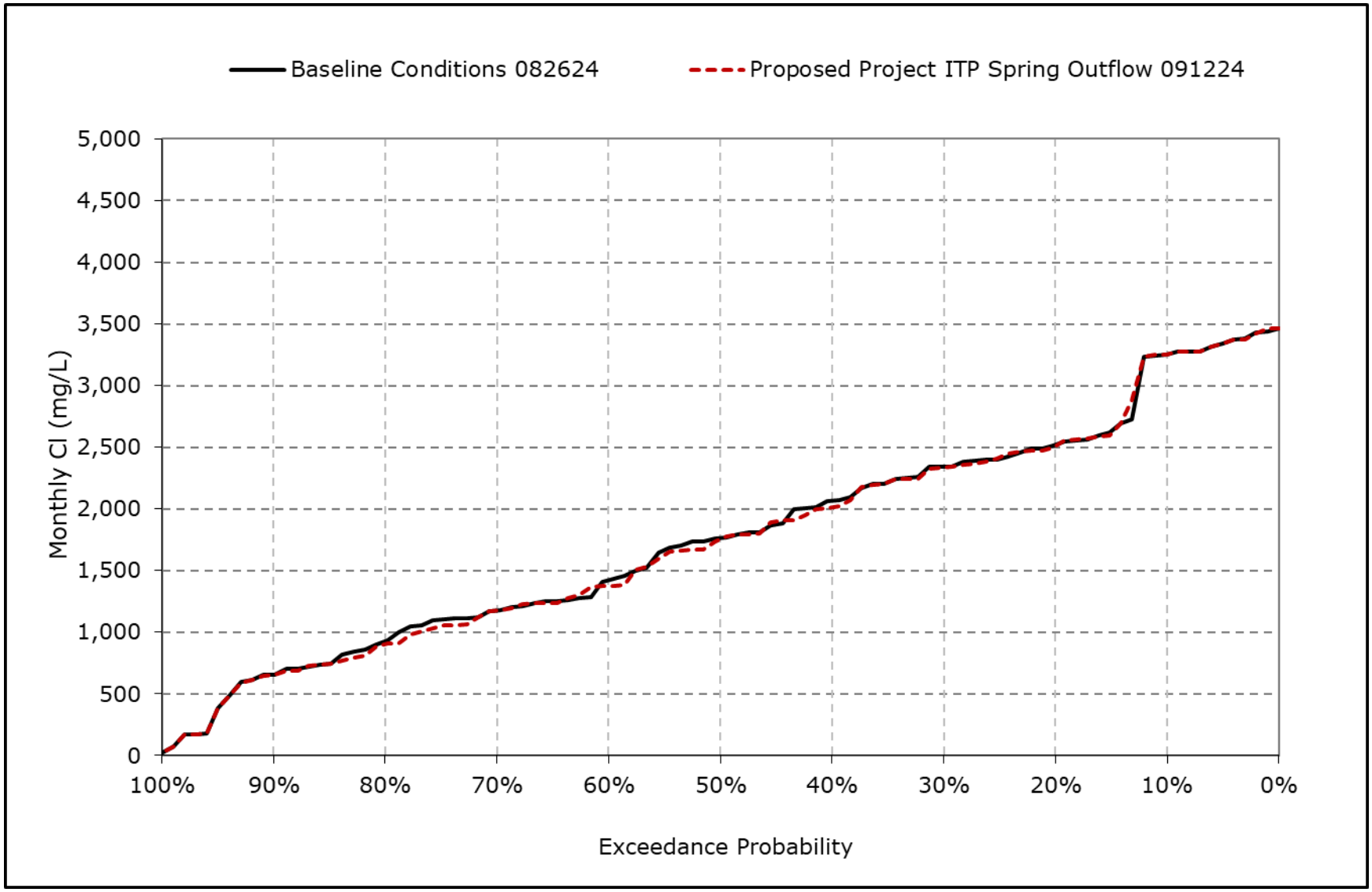
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-1o. Sacramento River at Mallard Slough Chloride, June Cl



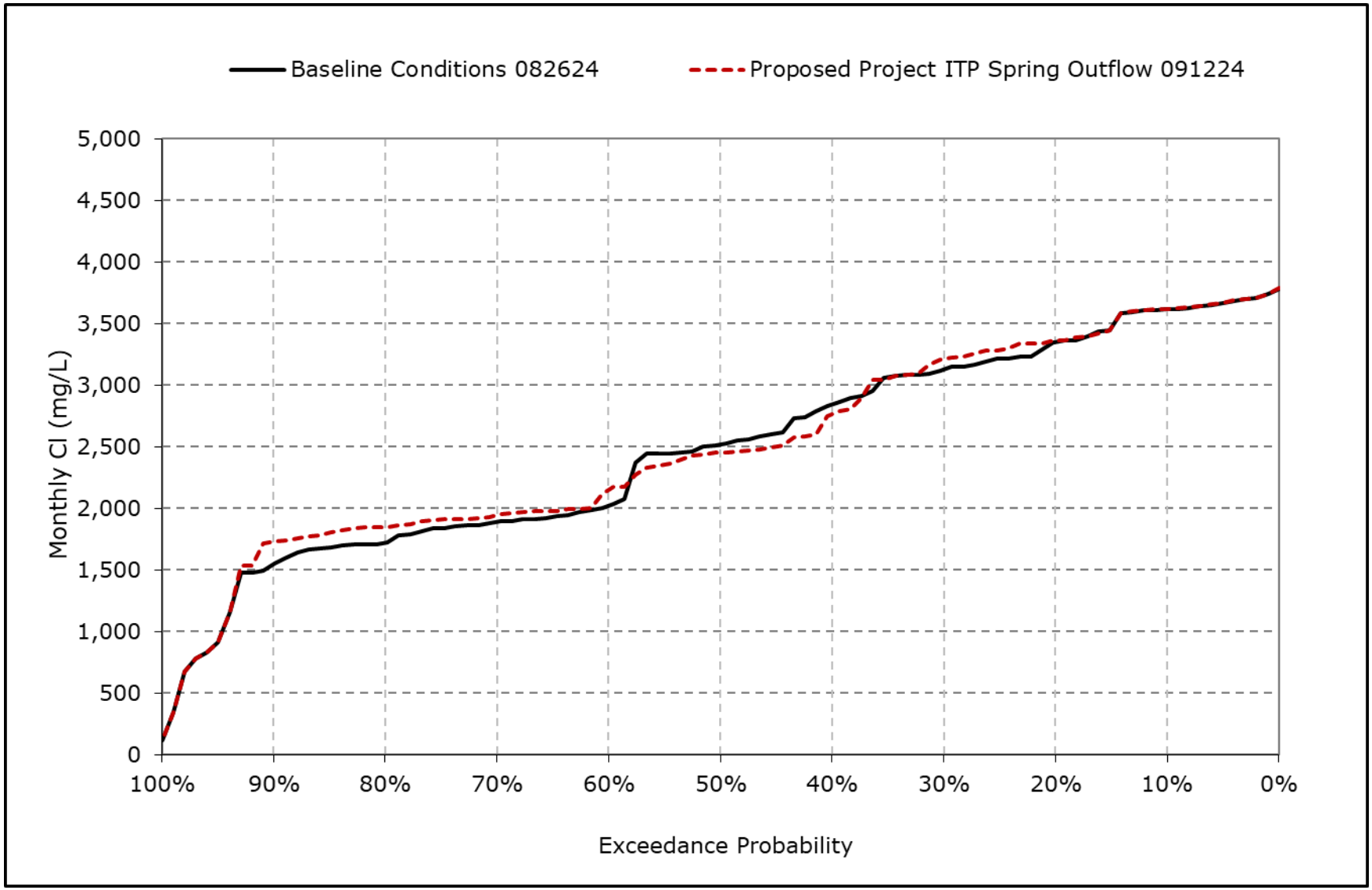
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-1p. Sacramento River at Mallard Slough Chloride, July Cl



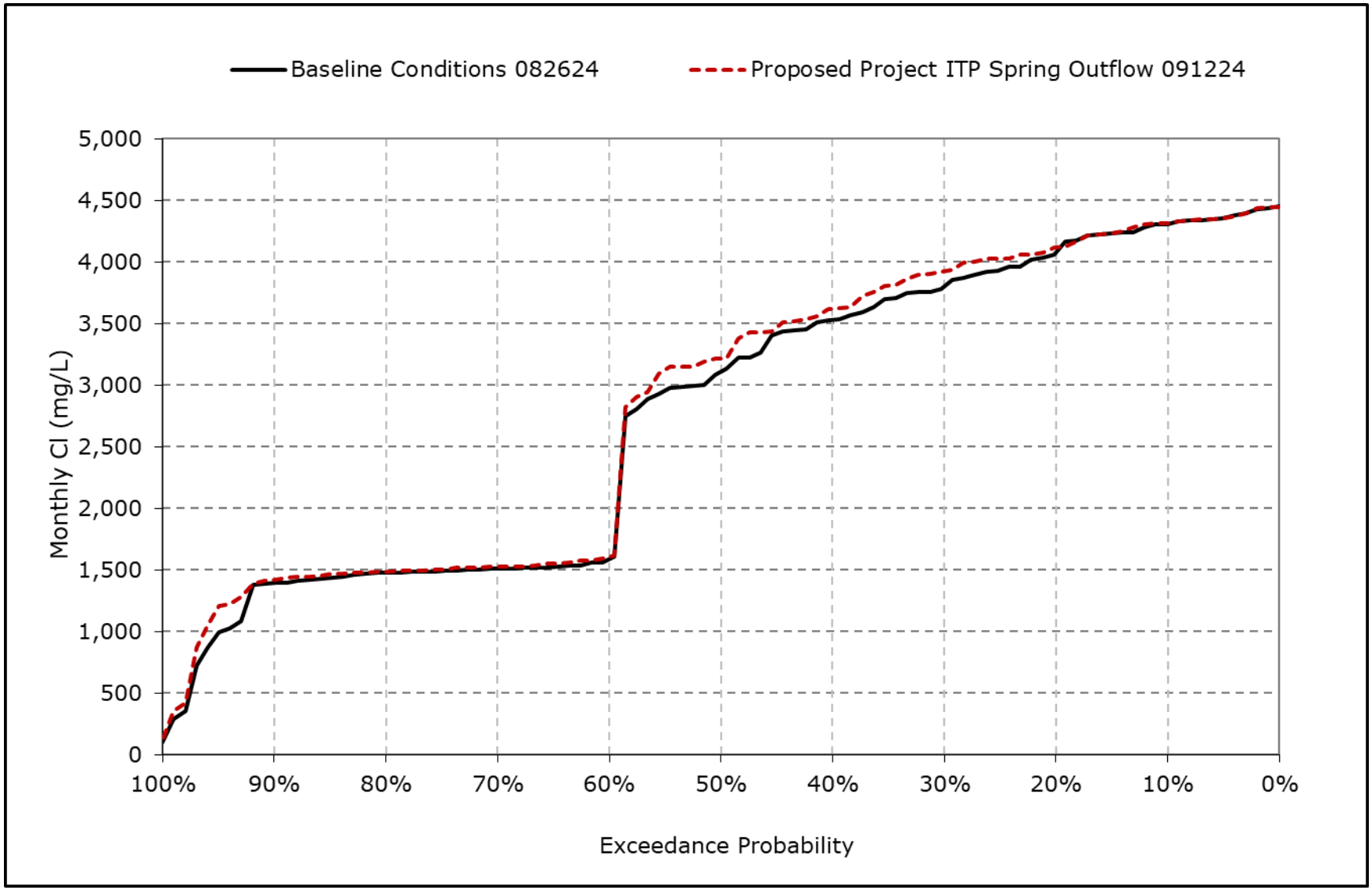
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-1q. Sacramento River at Mallard Slough Chloride, August Cl



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

Figure 4L-8-1r. Sacramento River at Mallard Slough Chloride, September Cl



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

Table 4L-8-2-1a. Sacramento River at Rio Vista Chloride, Baseline Conditions 082624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	95	79	53	27	19	18	18	20	36	41	60	71
20% Exceedance	68	66	36	23	17	17	17	17	19	23	44	57
30% Exceedance	58	51	29	20	17	16	17	16	18	20	32	45
40% Exceedance	51	38	25	18	17	16	16	16	18	18	24	40
50% Exceedance	38	29	22	17	16	16	16	16	17	17	21	29
60% Exceedance	16	22	19	16	16	15	15	15	16	16	18	17
70% Exceedance	16	20	17	15	15	15	15	15	15	15	17	16
80% Exceedance	16	19	16	15	15	15	15	15	15	15	17	16
90% Exceedance	16	17	15	15	15	15	15	15	15	15	16	16
Full Simulation Period Average[a]	44	41	28	19	17	16	16	17	20	21	30	36
Wet Water Years (32%)	35	28	19	15	15	15	15	15	15	15	17	16
Above Normal Years (9%)	42	40	21	16	16	15	15	15	16	15	17	16
Below Normal Years (20%)	39	38	31	19	16	16	16	16	17	17	22	32
Dry Water Years (21%)	44	40	31	22	17	17	17	16	18	21	35	48
Critical Water Years (18%)	65	69	43	26	19	19	19	23	38	41	62	72

Table 4L-8-2-1b. Sacramento River at Rio Vista Chloride, Proposed Project ITP Spring Outflow 091224, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	95	79	49	27	19	18	18	20	35	41	60	71
20% Exceedance	69	65	37	23	17	17	17	17	19	23	46	60
30% Exceedance	59	50	30	19	17	16	17	17	18	20	36	47
40% Exceedance	50	39	25	18	17	16	16	16	18	18	24	40
50% Exceedance	42	29	22	17	16	16	16	16	17	17	21	29
60% Exceedance	17	21	19	16	16	15	15	15	16	16	19	17
70% Exceedance	16	20	17	15	15	15	15	15	15	15	18	17
80% Exceedance	16	19	16	15	15	15	15	15	15	15	17	16
90% Exceedance	16	17	15	15	15	15	15	15	15	15	17	16
Full Simulation Period Average[a]	44	41	28	19	17	16	16	17	20	21	30	37
Wet Water Years (32%)	36	28	18	15	15	15	15	15	15	15	17	16
Above Normal Years (9%)	42	40	21	16	16	15	15	15	16	16	18	16
Below Normal Years (20%)	39	38	31	19	16	16	16	16	17	17	21	33
Dry Water Years (21%)	44	40	30	21	17	17	17	16	18	21	38	50
Critical Water Years (18%)	66	69	43	26	19	19	19	23	38	40	61	73

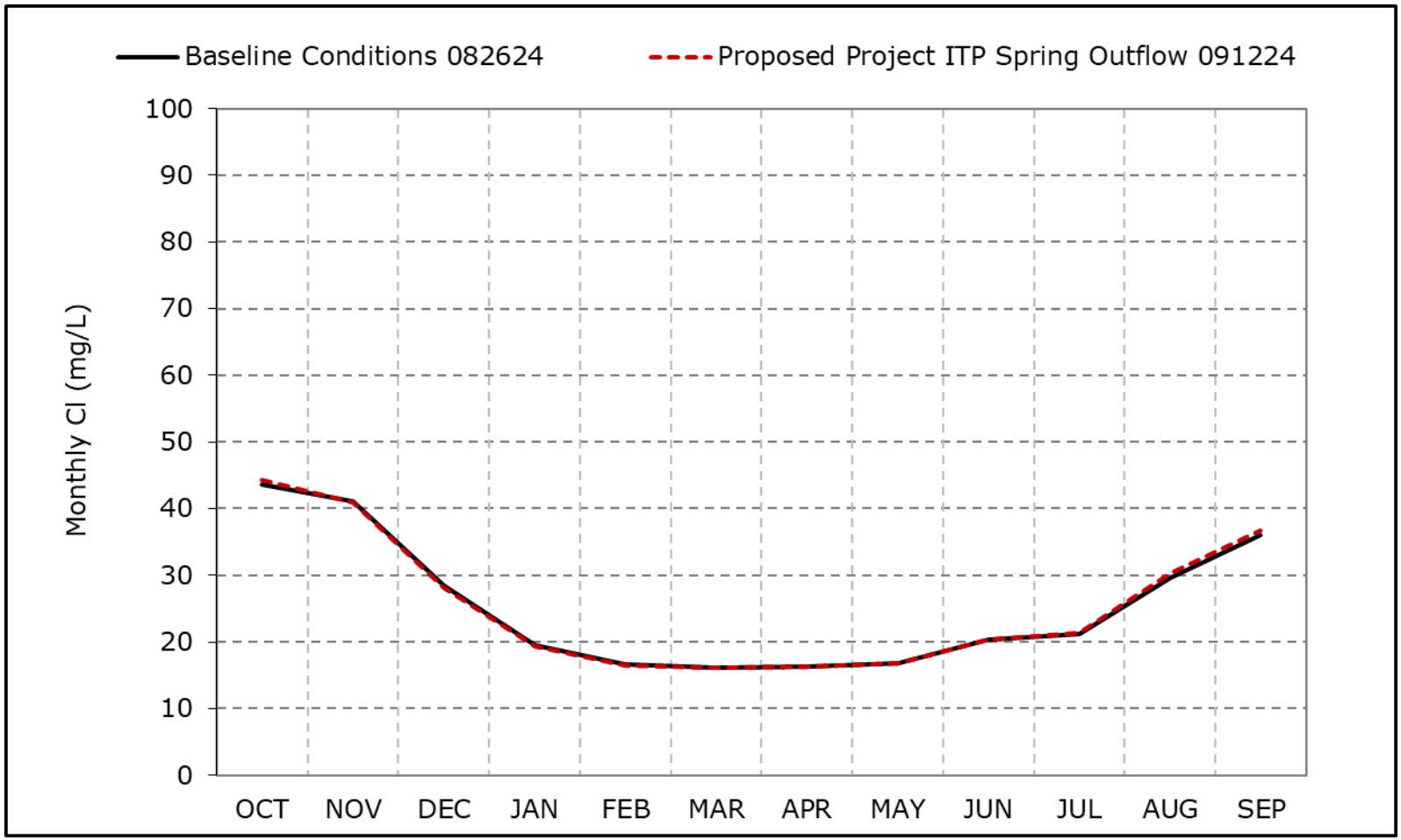
Table 4L-8-2-1c. Sacramento River at Rio Vista Chloride, Proposed Project ITP Spring Outflow 091224 minus Baseline Conditions 082624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	-4	0	0	0	0	0	-1	0	-1	1
20% Exceedance	1	0	0	0	0	0	0	0	0	0	2	3
30% Exceedance	1	-1	0	0	0	0	0	0	0	0	3	2
40% Exceedance	-1	1	0	0	0	0	0	0	0	0	0	1
50% Exceedance	4	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	1	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	1	0
Full Simulation Period Average[a]	1	0	0	0	0	0	0	0	0	0	1	1
Wet Water Years (32%)	1	0	-1	0	0	0	0	0	0	0	0	0
Above Normal Years (9%)	0	0	0	0	0	0	0	0	0	0	1	0
Below Normal Years (20%)	1	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (21%)	0	0	0	0	0	0	0	0	0	0	4	2
Critical Water Years (18%)	1	0	0	0	0	0	0	0	-1	0	-1	0

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

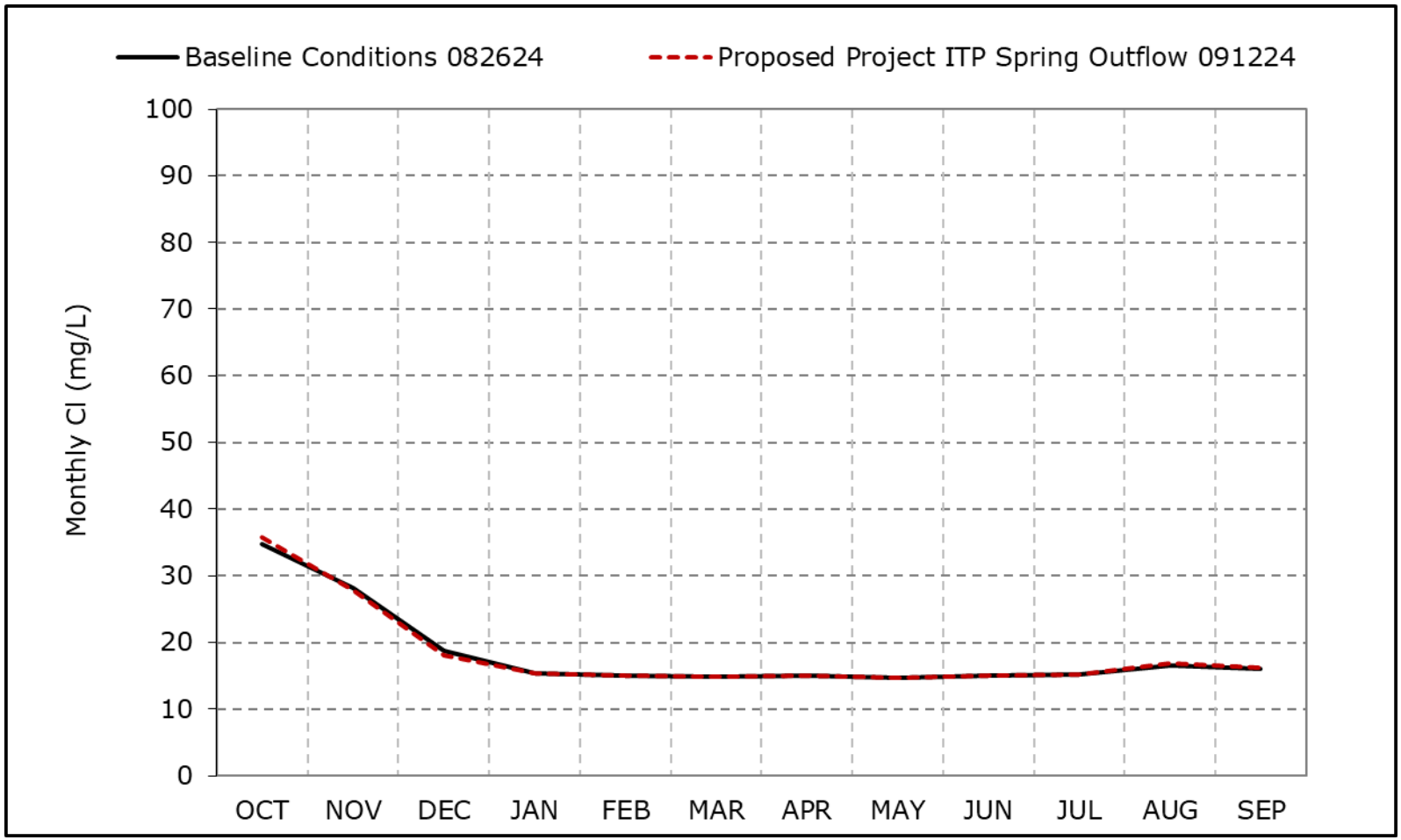
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4L-8-2a. Sacramento River at Rio Vista Chloride, Long-Term Average Cl



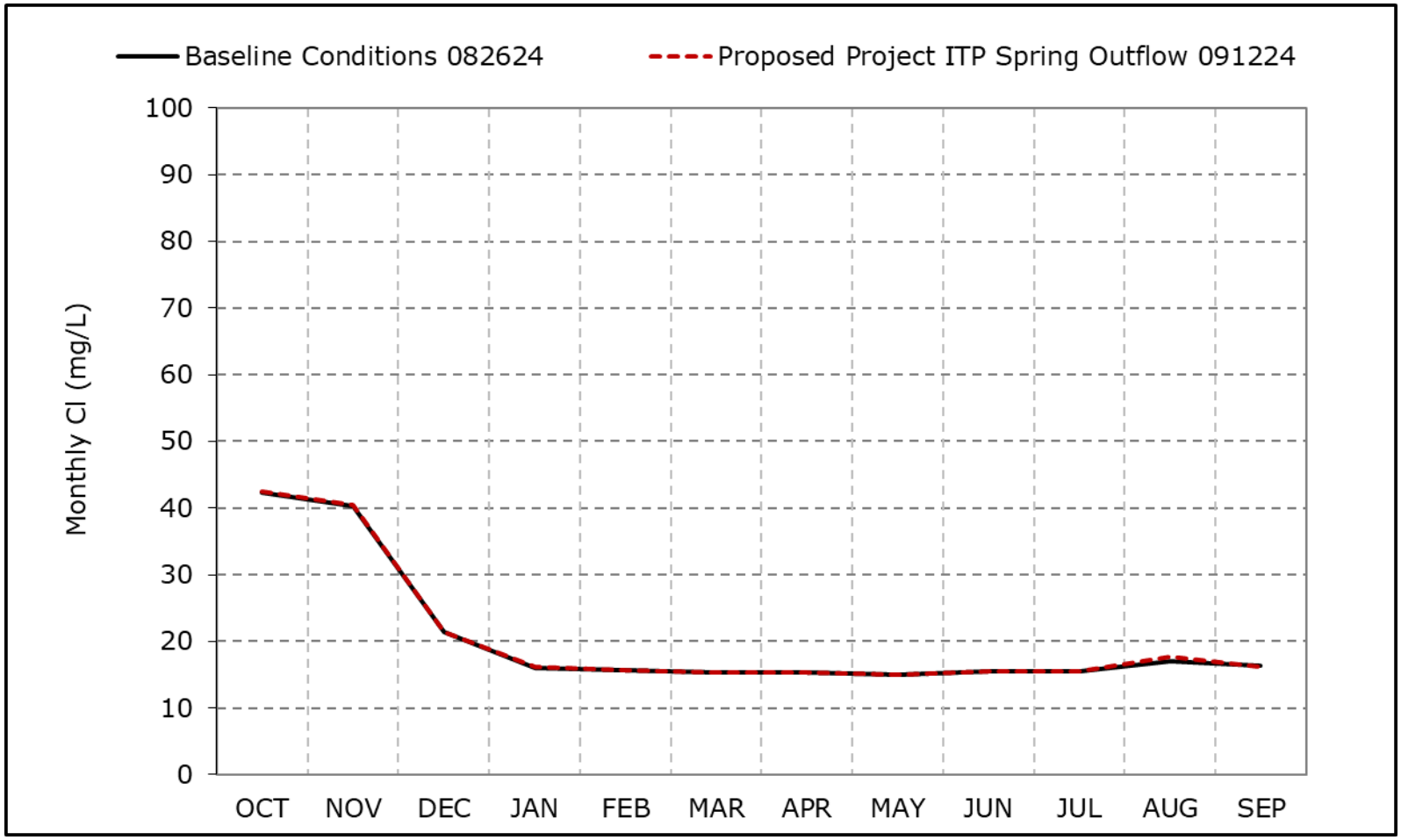
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-2b. Sacramento River at Rio Vista Chloride, Wet Year Average Cl



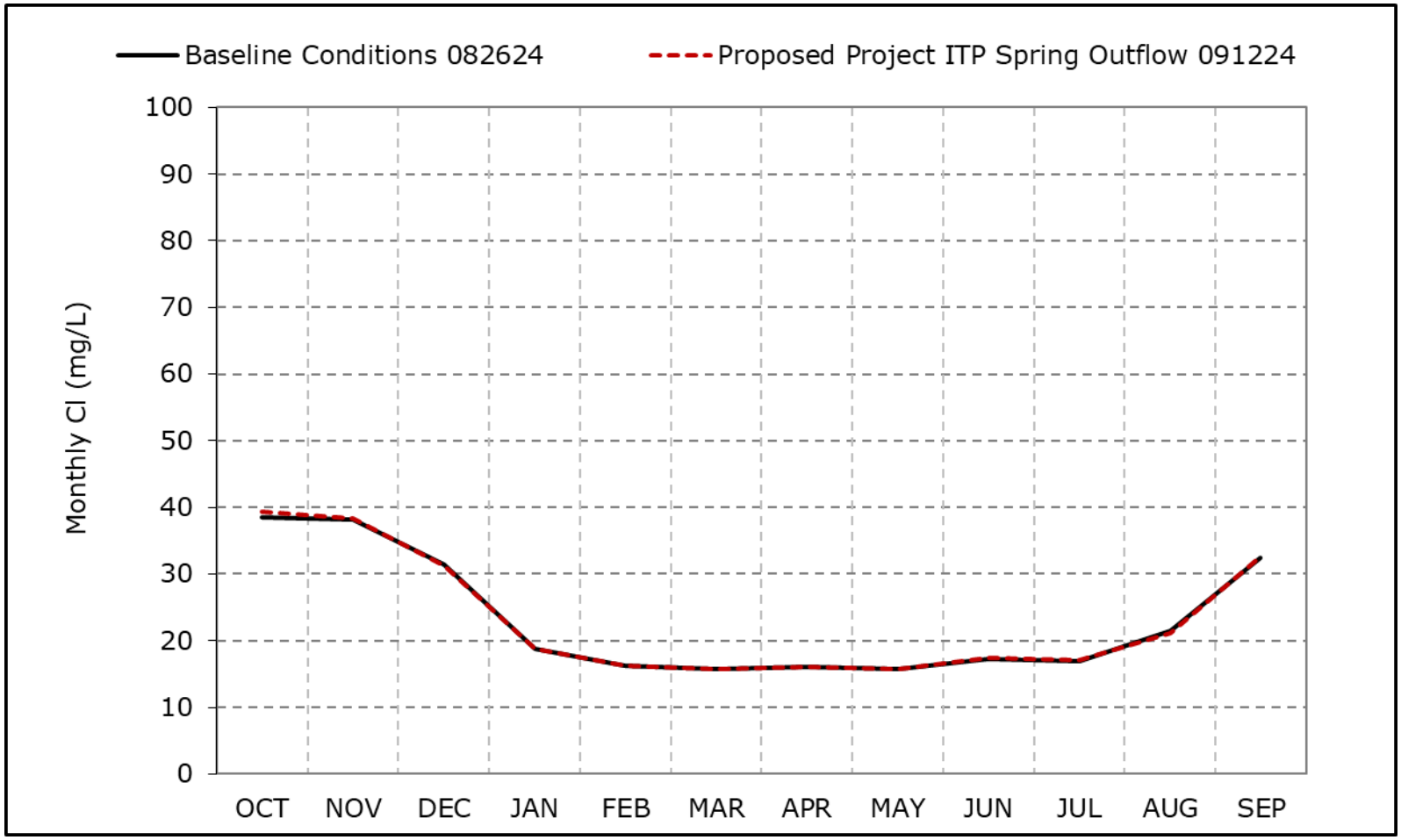
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-2c. Sacramento River at Rio Vista Chloride, Above Normal Year Average Cl



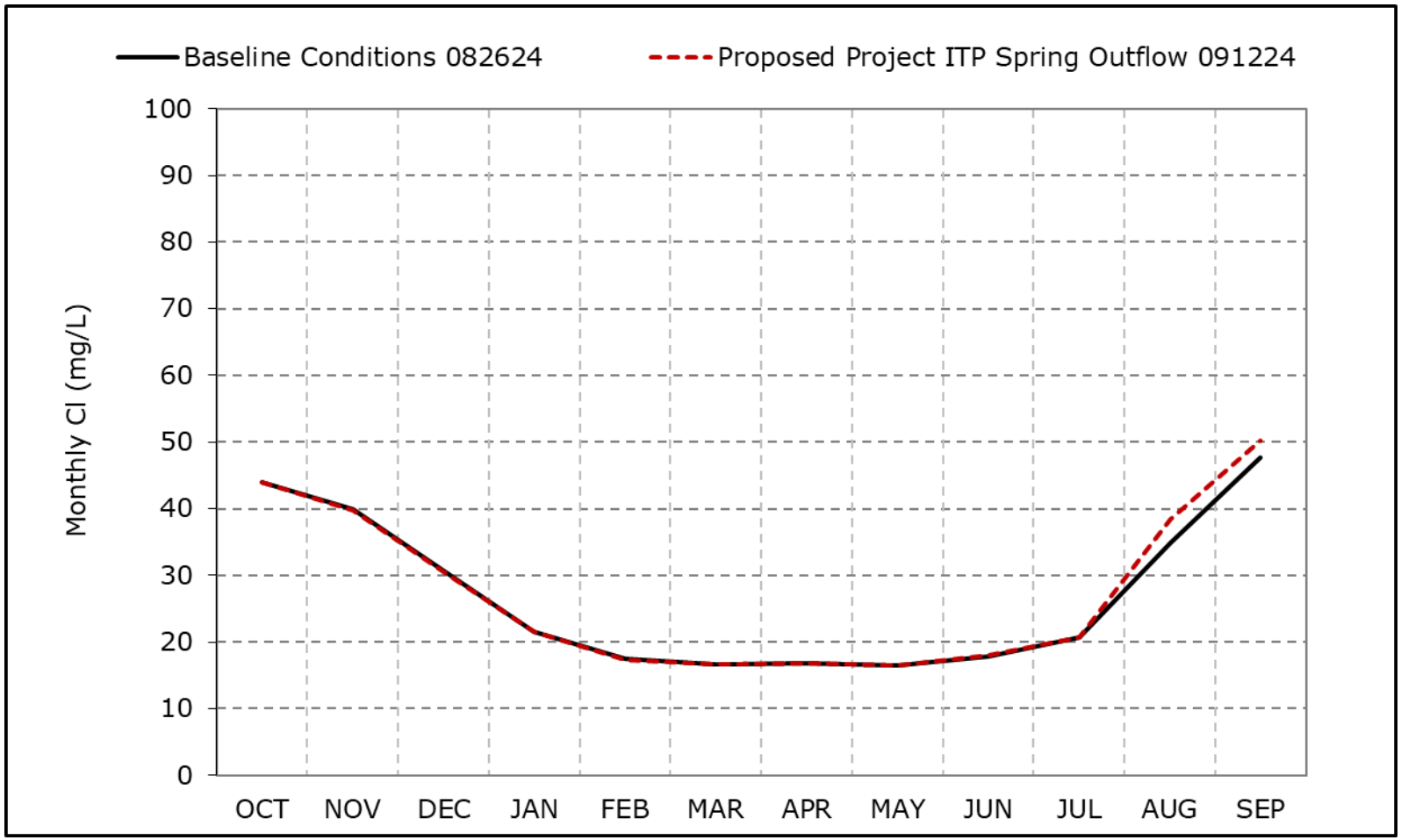
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-2d. Sacramento River at Rio Vista Chloride, Below Normal Year Average Cl



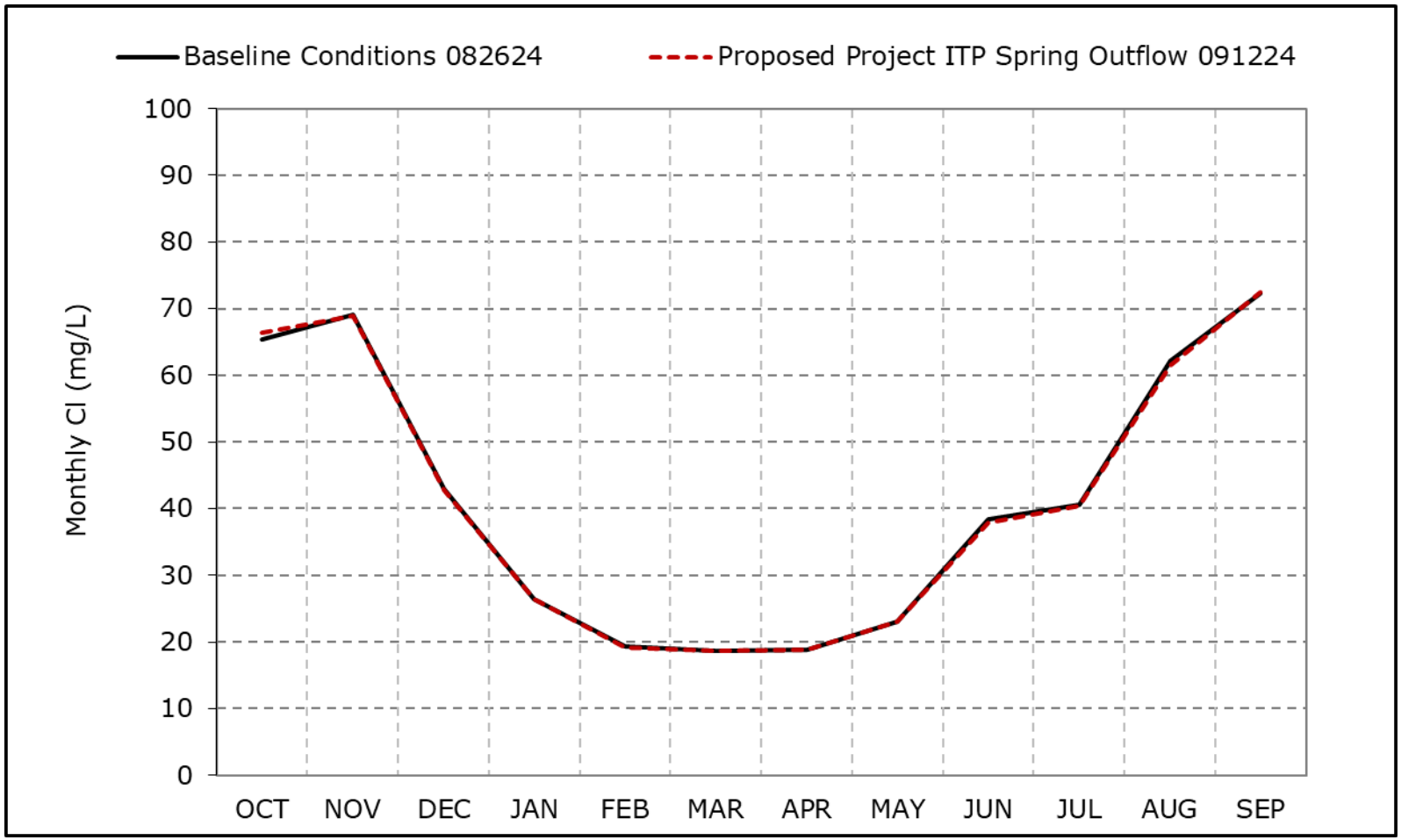
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-2e. Sacramento River at Rio Vista Chloride, Dry Year Average Cl



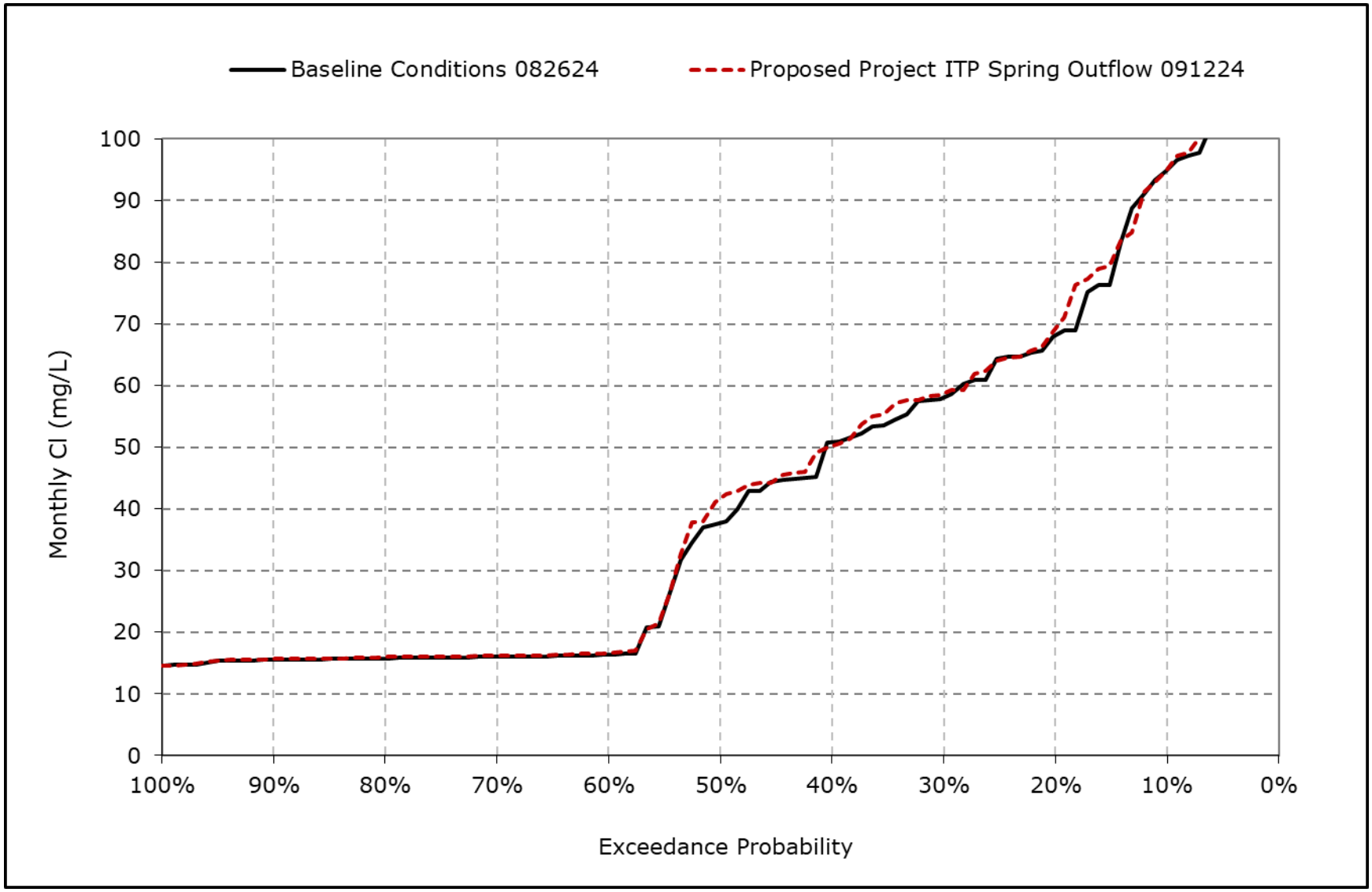
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-2f. Sacramento River at Rio Vista Chloride, Critical Year Average Cl



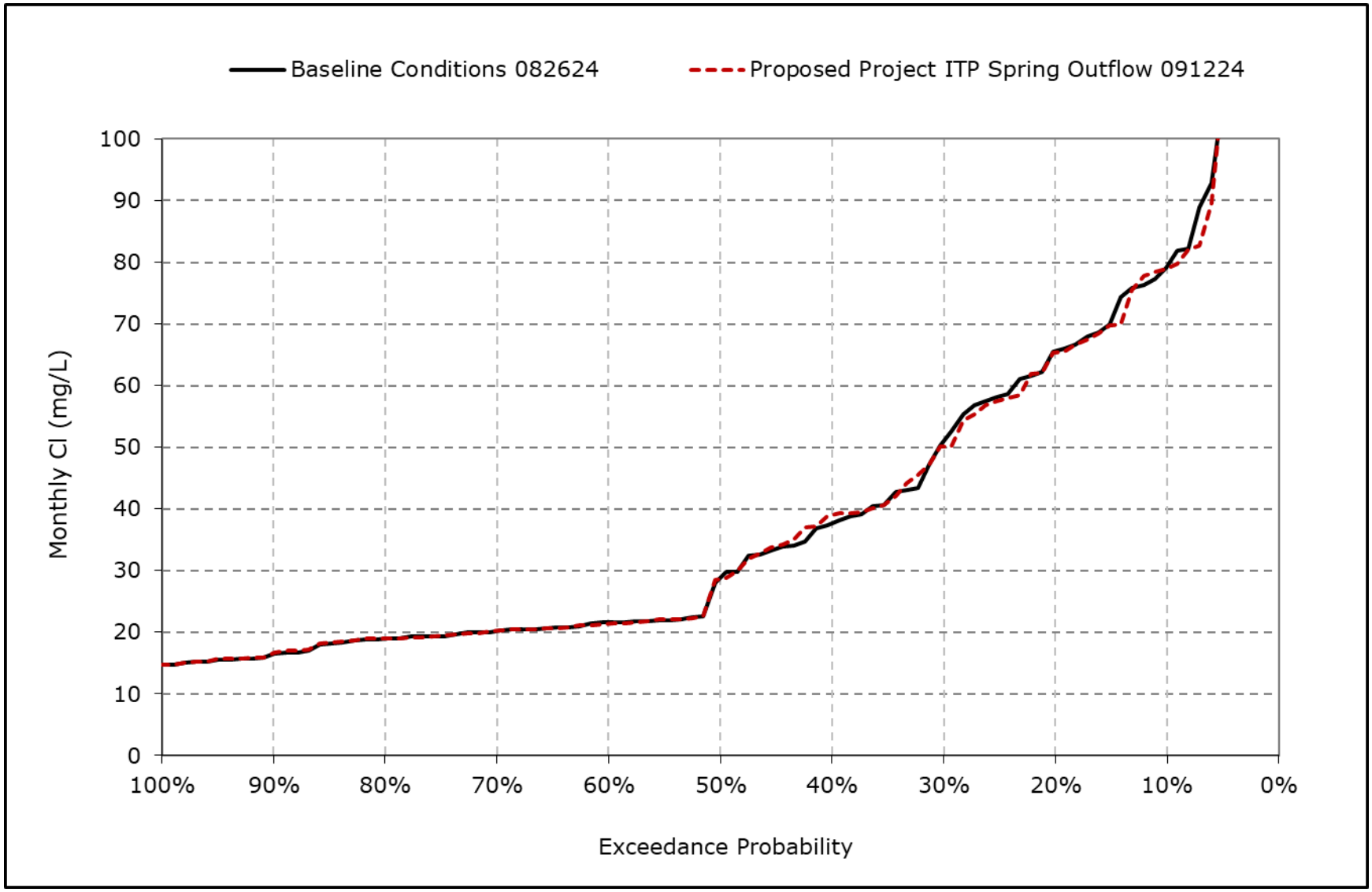
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-2g. Sacramento River at Rio Vista Chloride, October Cl



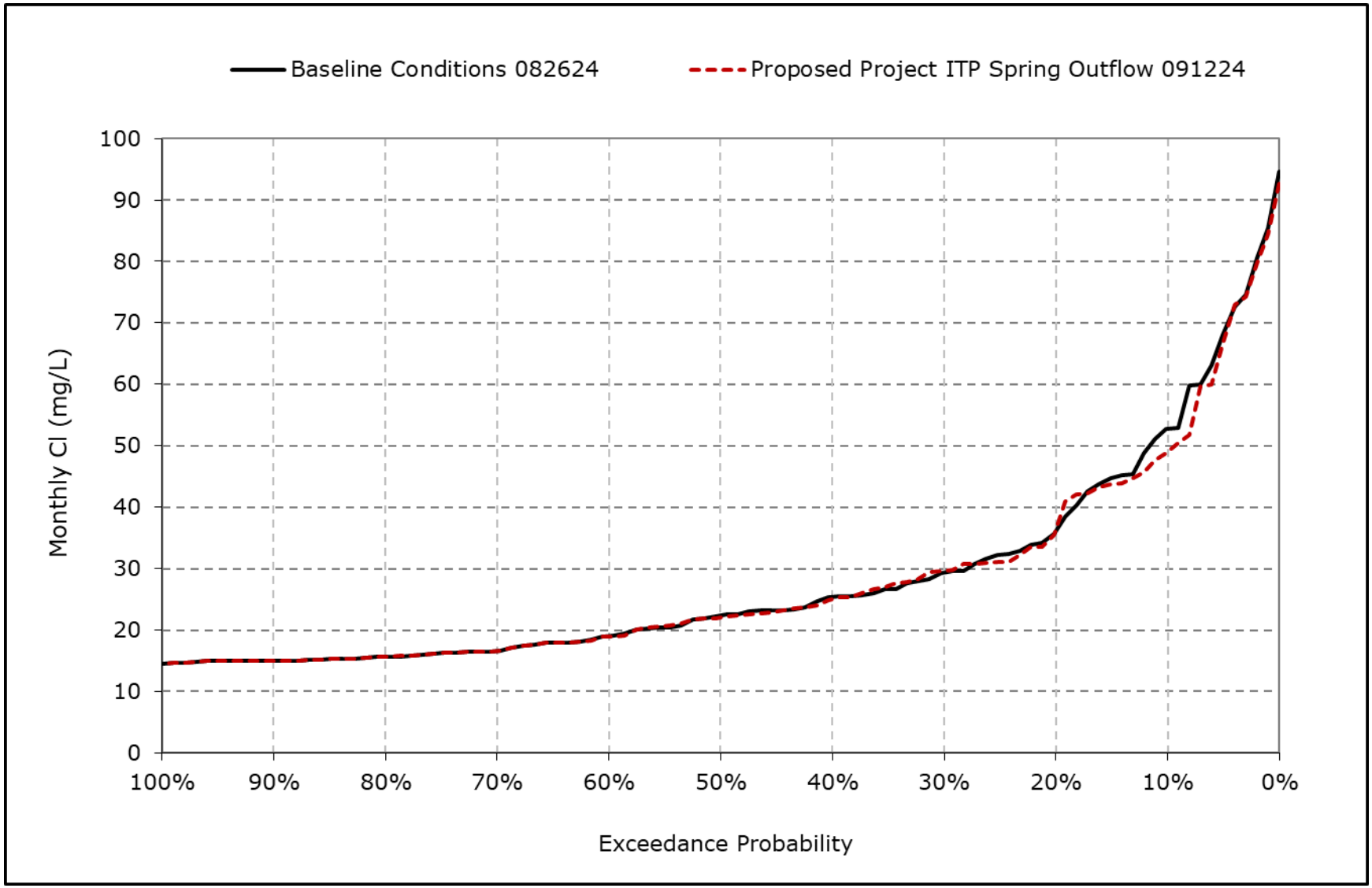
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-2h. Sacramento River at Rio Vista Chloride, November Cl



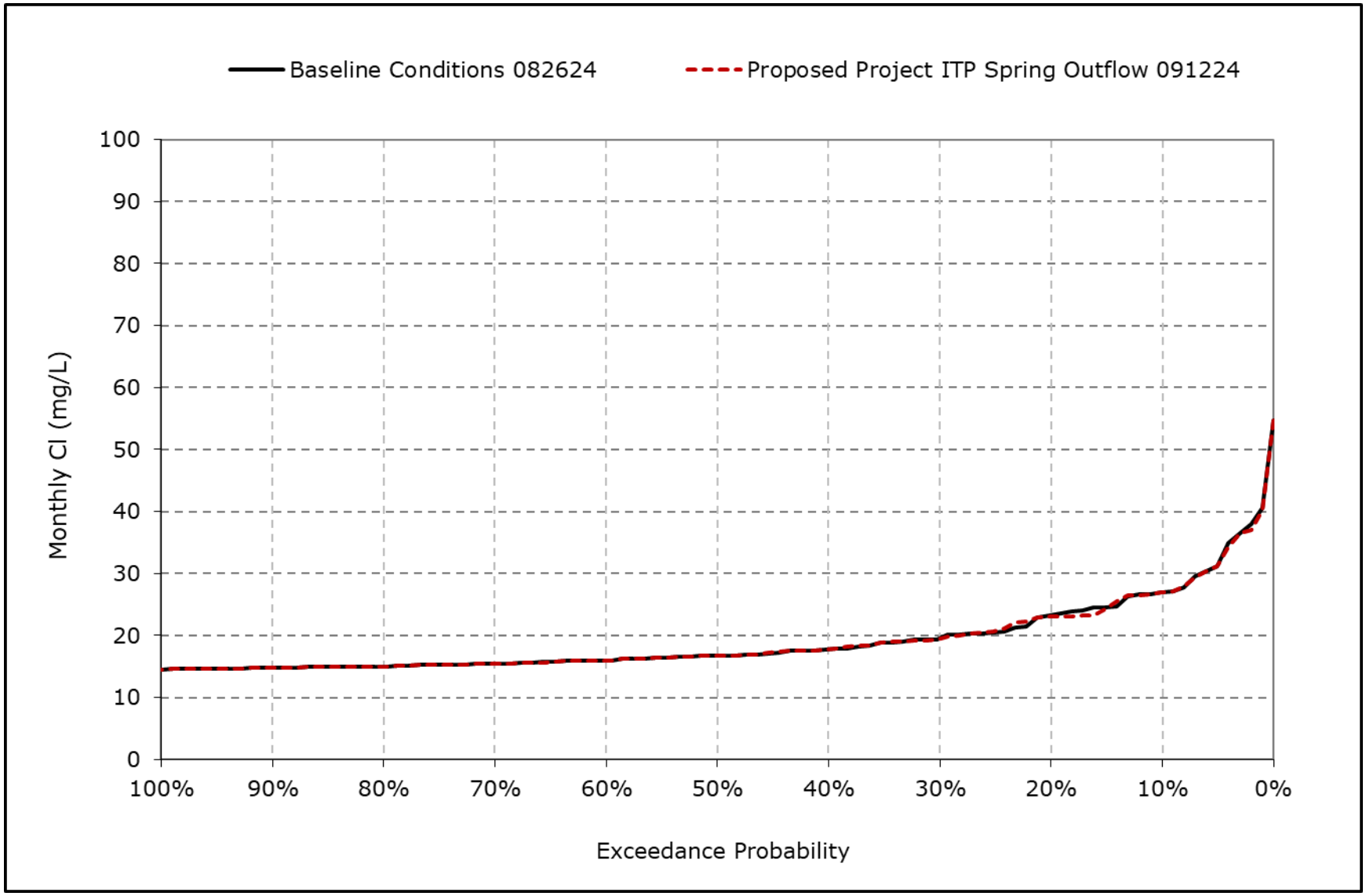
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-2i. Sacramento River at Rio Vista Chloride, December Cl



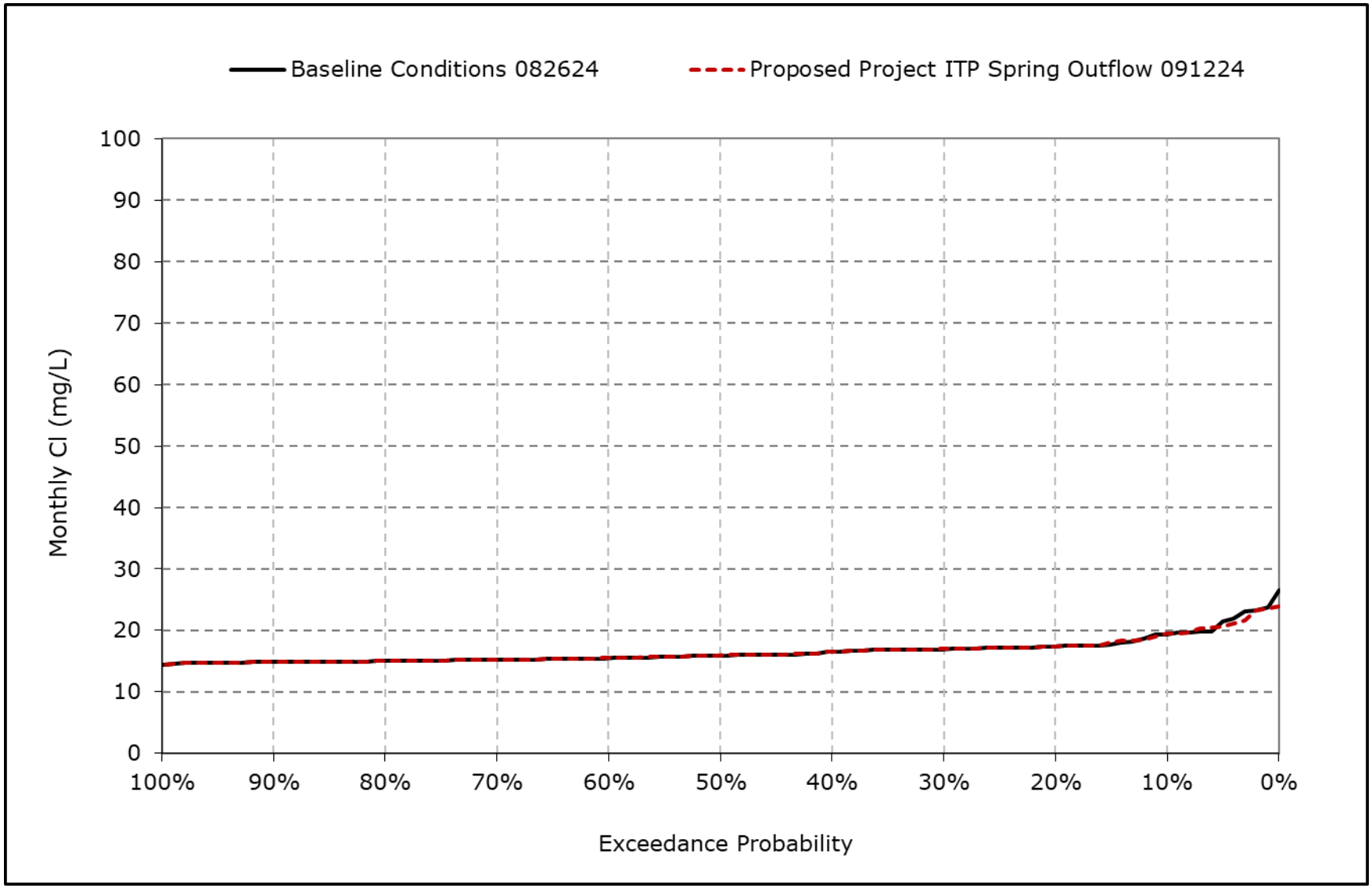
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-2j. Sacramento River at Rio Vista Chloride, January Cl



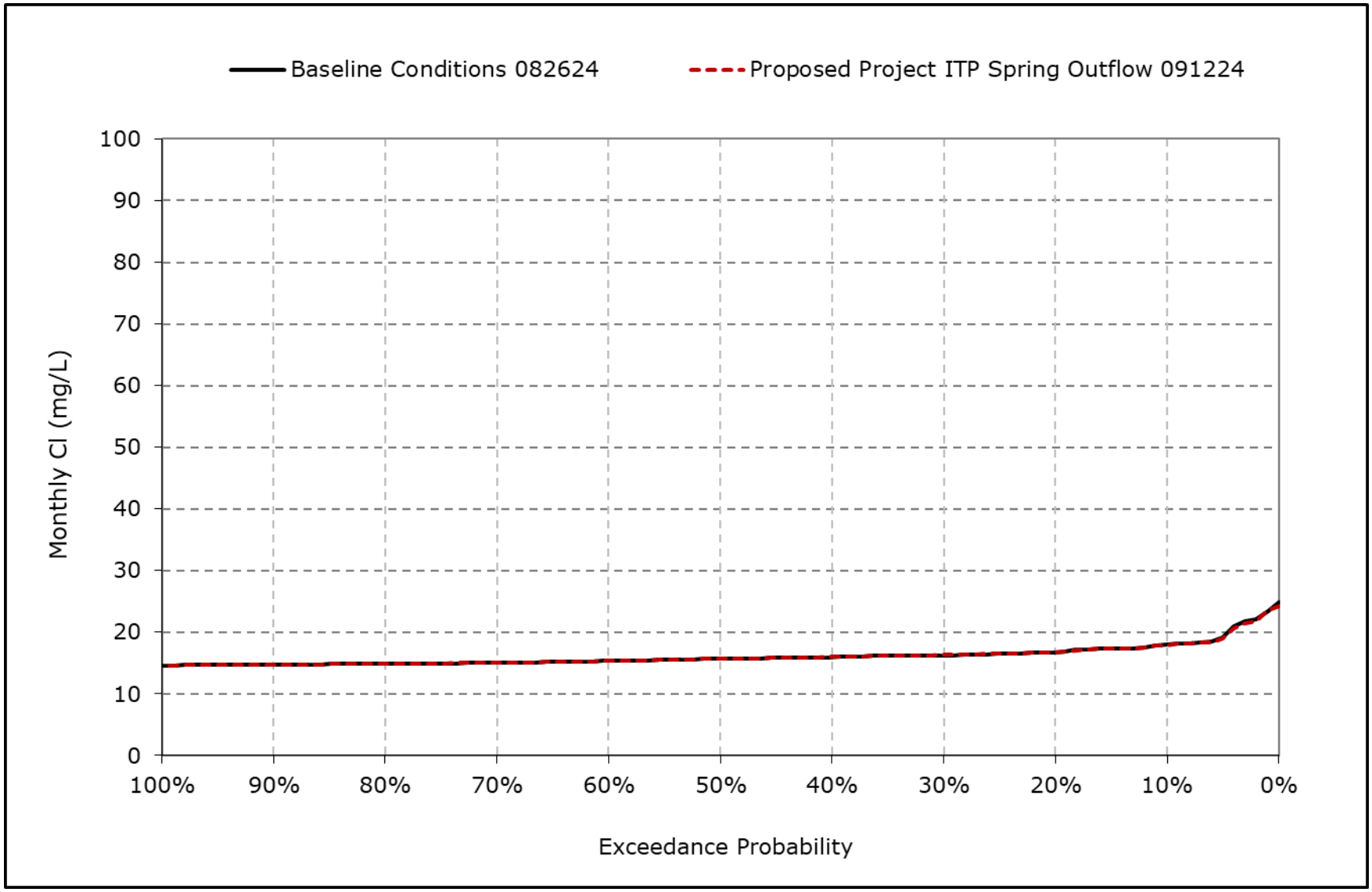
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-2k. Sacramento River at Rio Vista Chloride, February Cl



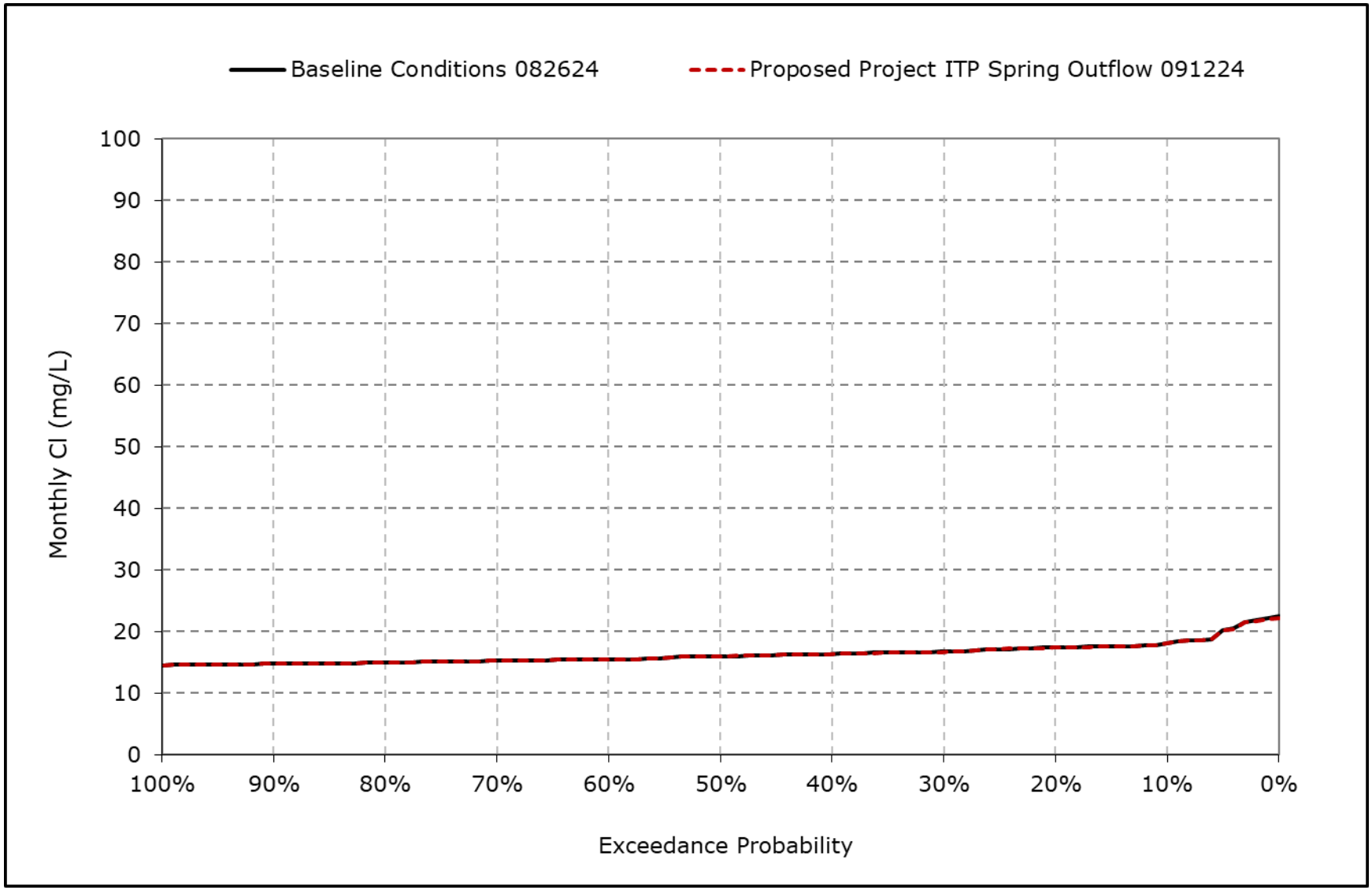
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-2l. Sacramento River at Rio Vista Chloride, March Cl



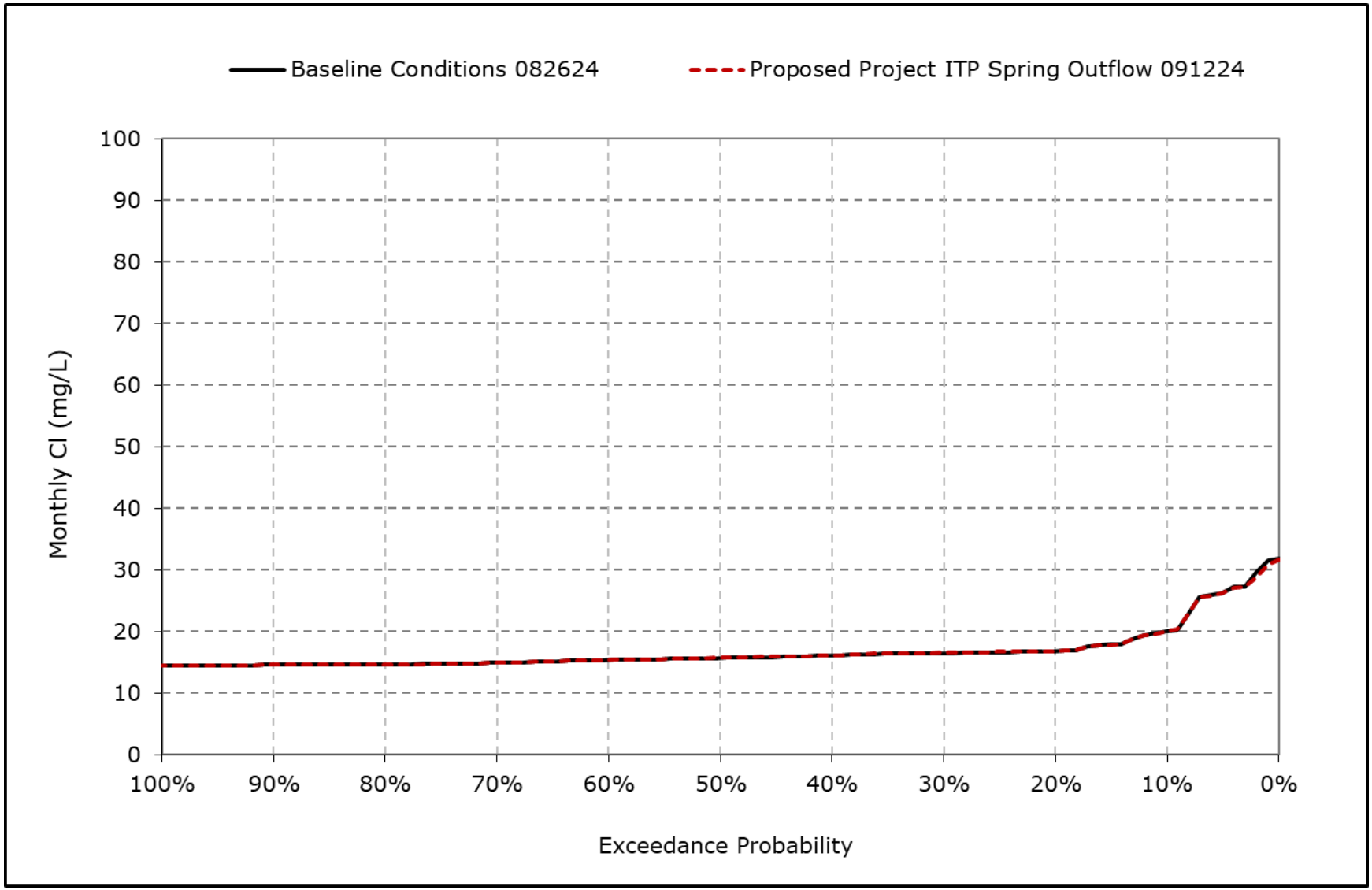
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-2m. Sacramento River at Rio Vista Chloride, April Cl



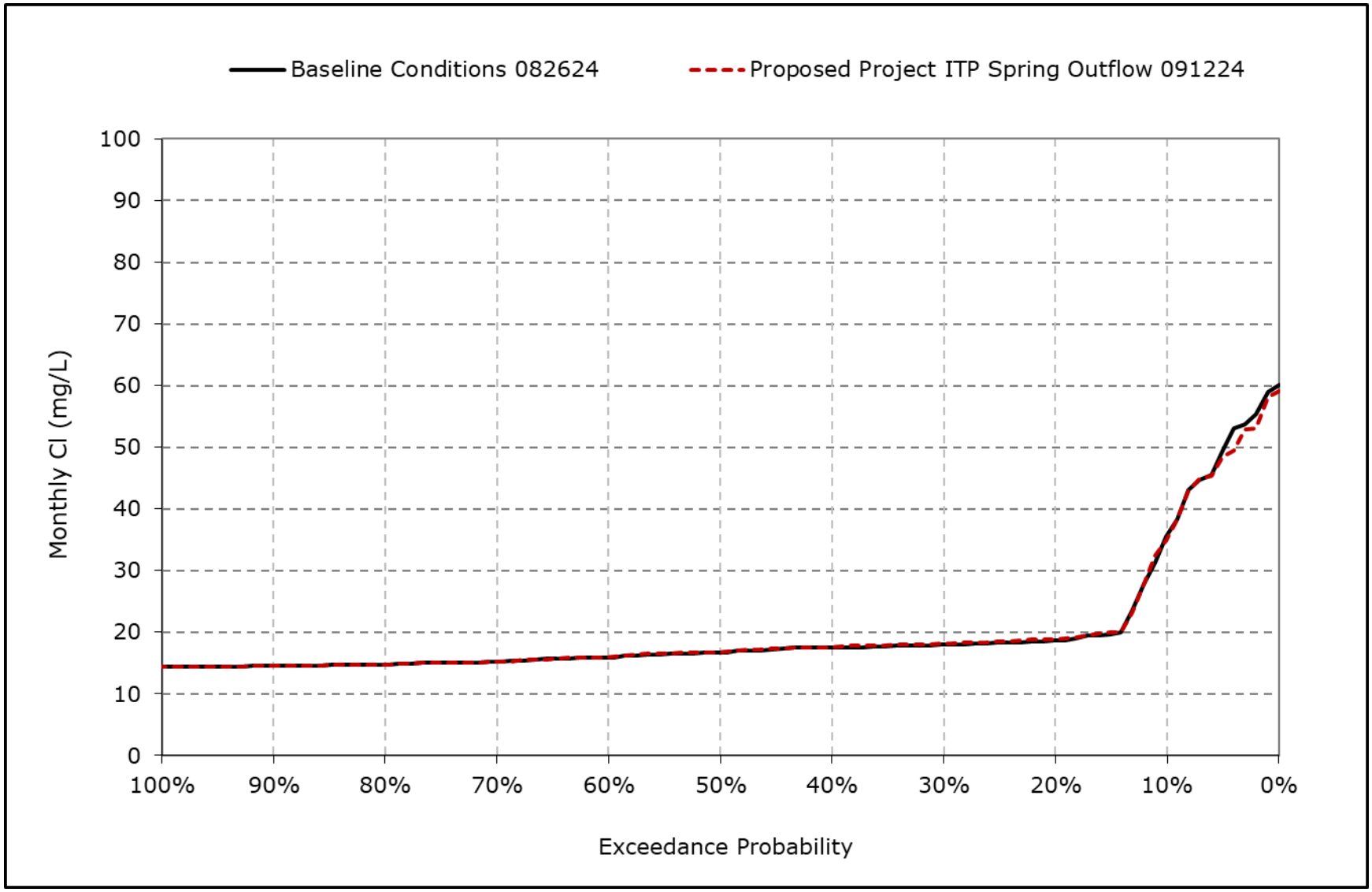
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-2n. Sacramento River at Rio Vista Chloride, May Cl



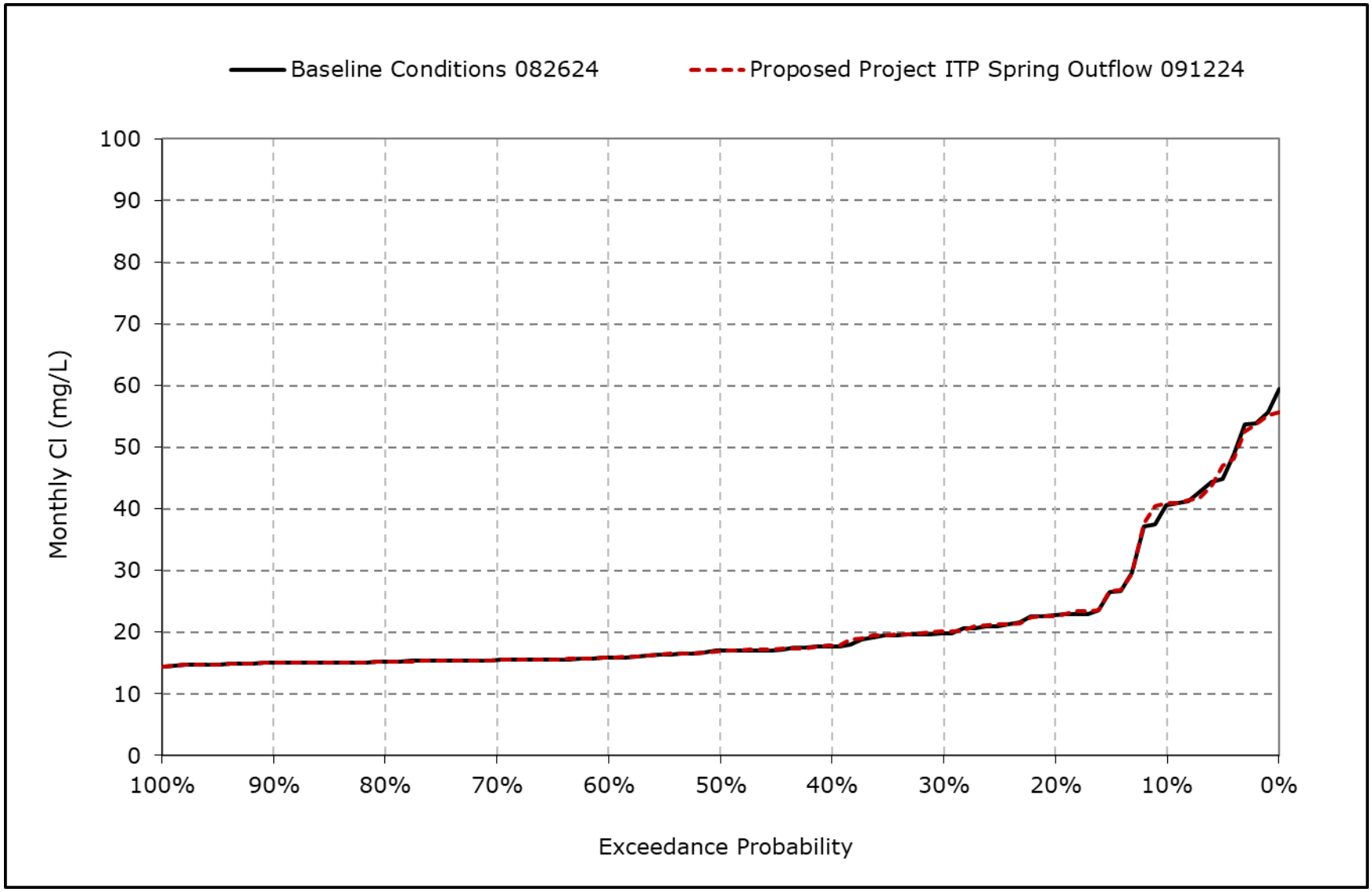
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-2o. Sacramento River at Rio Vista Chloride, June Cl



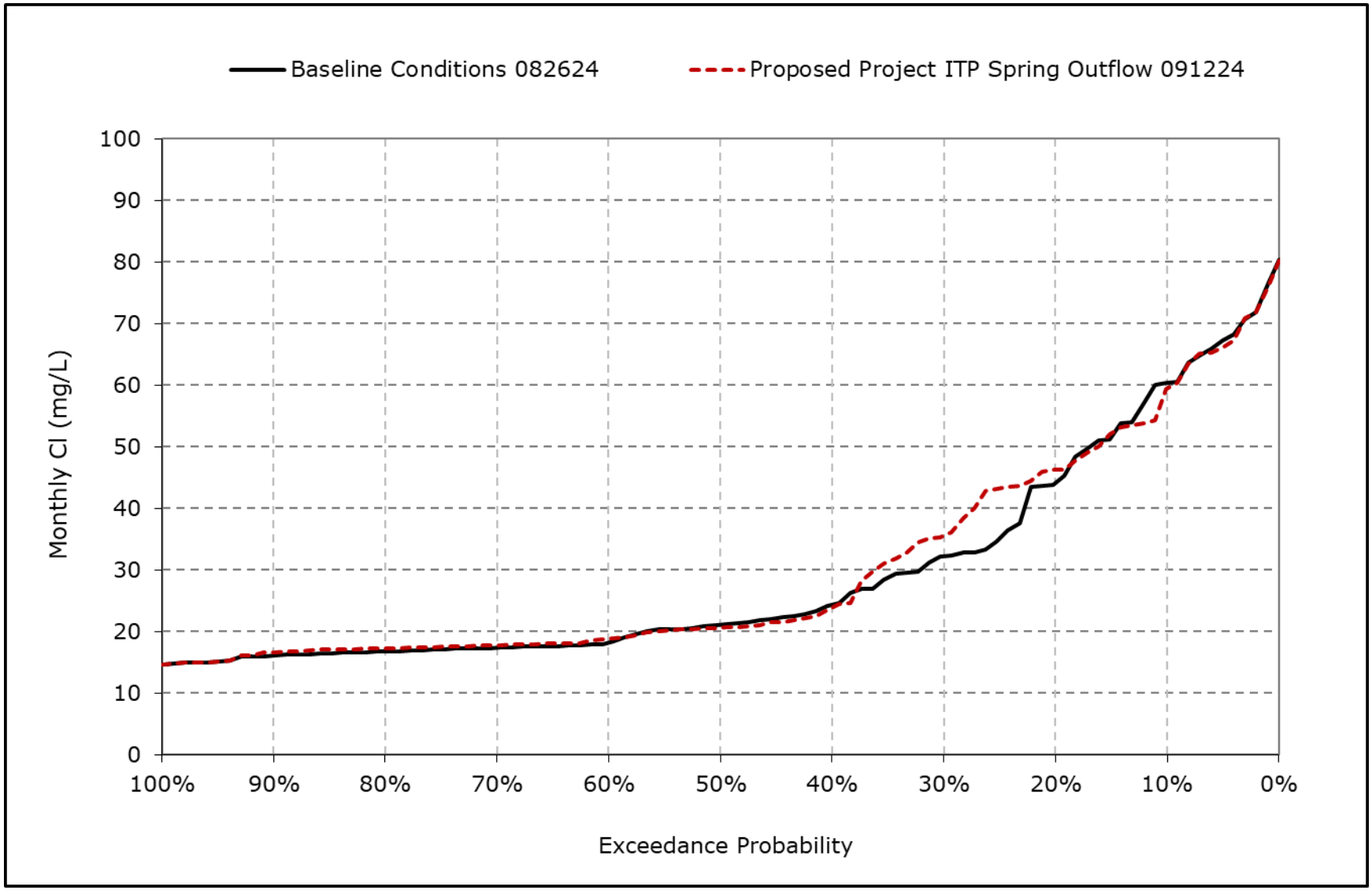
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-2p. Sacramento River at Rio Vista Chloride, July Cl



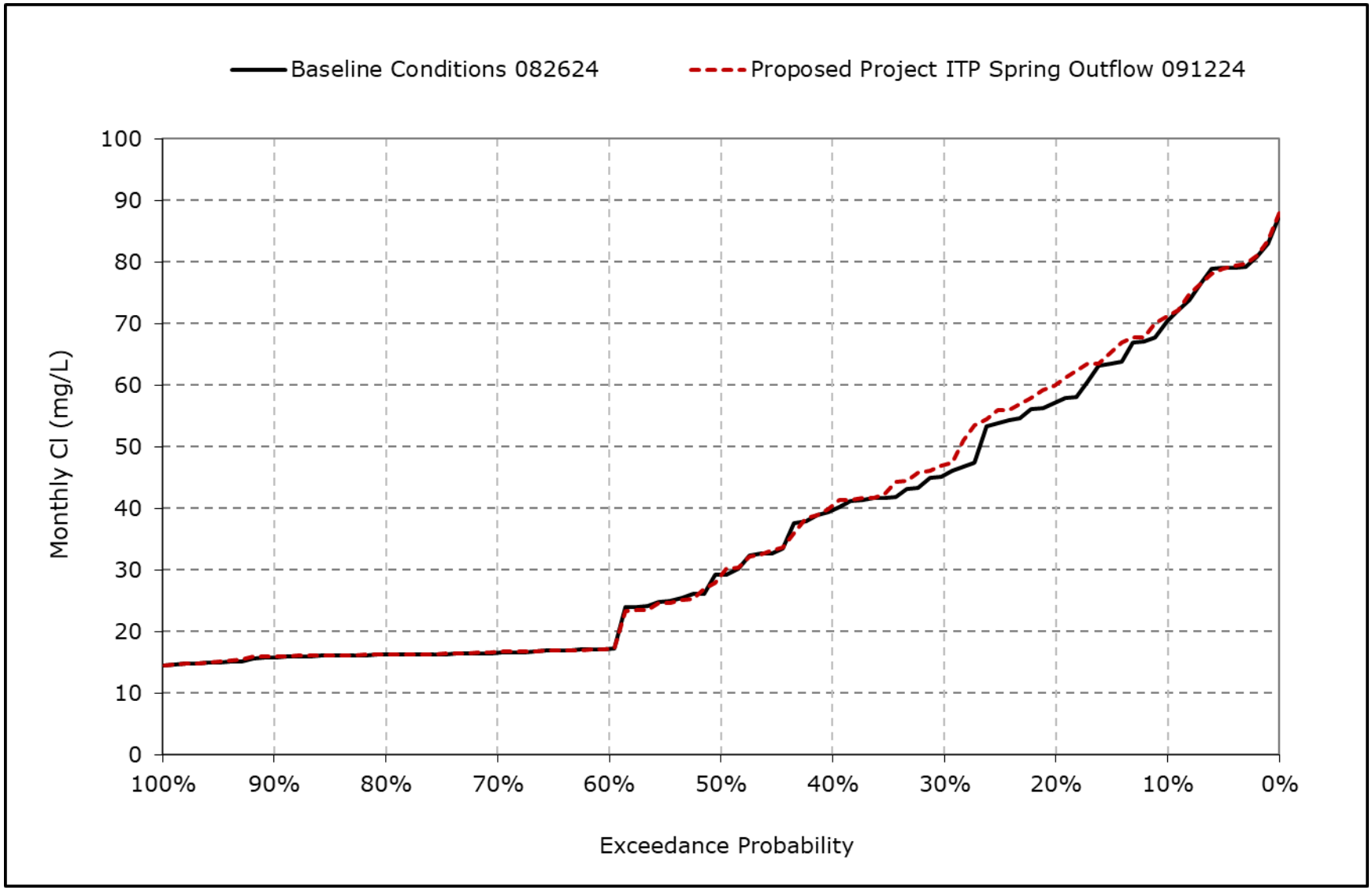
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-2q. Sacramento River at Rio Vista Chloride, August Cl



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

Figure 4L-8-2r. Sacramento River at Rio Vista Chloride, September Cl



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

Table 4L-8-3-1a. Sacramento River at Collinsville Chloride, Baseline Conditions 082624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,247	3,016	2,354	1,636	650	499	605	929	1,604	2,104	2,402	3,051
20% Exceedance	2,934	2,802	2,160	1,218	370	226	377	562	946	1,516	2,198	2,840
30% Exceedance	2,756	2,588	1,776	861	172	69	236	459	858	1,355	2,005	2,595
40% Exceedance	2,612	2,406	1,493	393	75	40	111	249	785	1,156	1,727	2,335
50% Exceedance	2,196	1,916	1,180	240	42	28	49	123	599	915	1,509	1,966
60% Exceedance	707	1,365	806	147	21	19	26	65	401	685	1,089	762
70% Exceedance	637	1,243	325	24	18	17	22	29	178	529	989	703
80% Exceedance	621	1,127	149	18	16	16	17	17	35	399	885	676
90% Exceedance	579	600	54	16	16	16	15	15	17	271	752	634
Full Simulation Period Average[a]	1,816	1,869	1,173	565	212	151	214	342	656	992	1,498	1,751
Wet Water Years (32%)	1,576	1,450	497	90	18	17	24	44	147	346	757	585
Above Normal Years (9%)	1,673	1,687	949	154	23	20	26	69	281	539	1,003	659
Below Normal Years (20%)	1,655	1,847	1,430	553	125	47	90	171	615	937	1,526	2,011
Dry Water Years (21%)	1,797	1,957	1,415	878	306	189	291	417	813	1,372	2,023	2,636
Critical Water Years (18%)	2,517	2,625	1,919	1,262	636	526	693	1,112	1,608	1,987	2,416	3,049

Table 4L-8-3-1b. Sacramento River at Collinsville Chloride, Proposed Project ITP Spring Outflow 091224, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,249	3,016	2,354	1,579	604	497	609	940	1,604	2,109	2,410	3,060
20% Exceedance	2,970	2,793	2,139	1,205	363	217	358	564	968	1,521	2,230	2,872
30% Exceedance	2,794	2,611	1,758	893	176	68	236	467	859	1,345	2,074	2,687
40% Exceedance	2,643	2,412	1,502	406	75	38	113	251	783	1,078	1,662	2,421
50% Exceedance	2,297	1,906	1,150	229	37	28	49	127	595	895	1,413	2,015
60% Exceedance	716	1,365	775	145	21	19	26	69	386	662	1,177	772
70% Exceedance	650	1,240	313	24	18	17	22	29	149	528	1,032	706
80% Exceedance	626	1,110	149	18	16	16	17	17	31	385	962	681
90% Exceedance	582	608	55	16	16	16	15	15	17	270	869	636
Full Simulation Period Average[a]	1,843	1,871	1,167	562	204	146	213	342	651	984	1,507	1,794
Wet Water Years (32%)	1,610	1,449	479	81	18	17	24	44	136	343	808	608
Above Normal Years (9%)	1,677	1,692	965	163	24	20	26	70	271	525	1,042	664
Below Normal Years (20%)	1,685	1,852	1,423	550	125	45	90	180	614	905	1,426	2,111
Dry Water Years (21%)	1,807	1,965	1,418	882	297	184	288	418	818	1,372	2,069	2,706
Critical Water Years (18%)	2,560	2,623	1,916	1,257	605	507	690	1,099	1,601	1,988	2,416	3,051

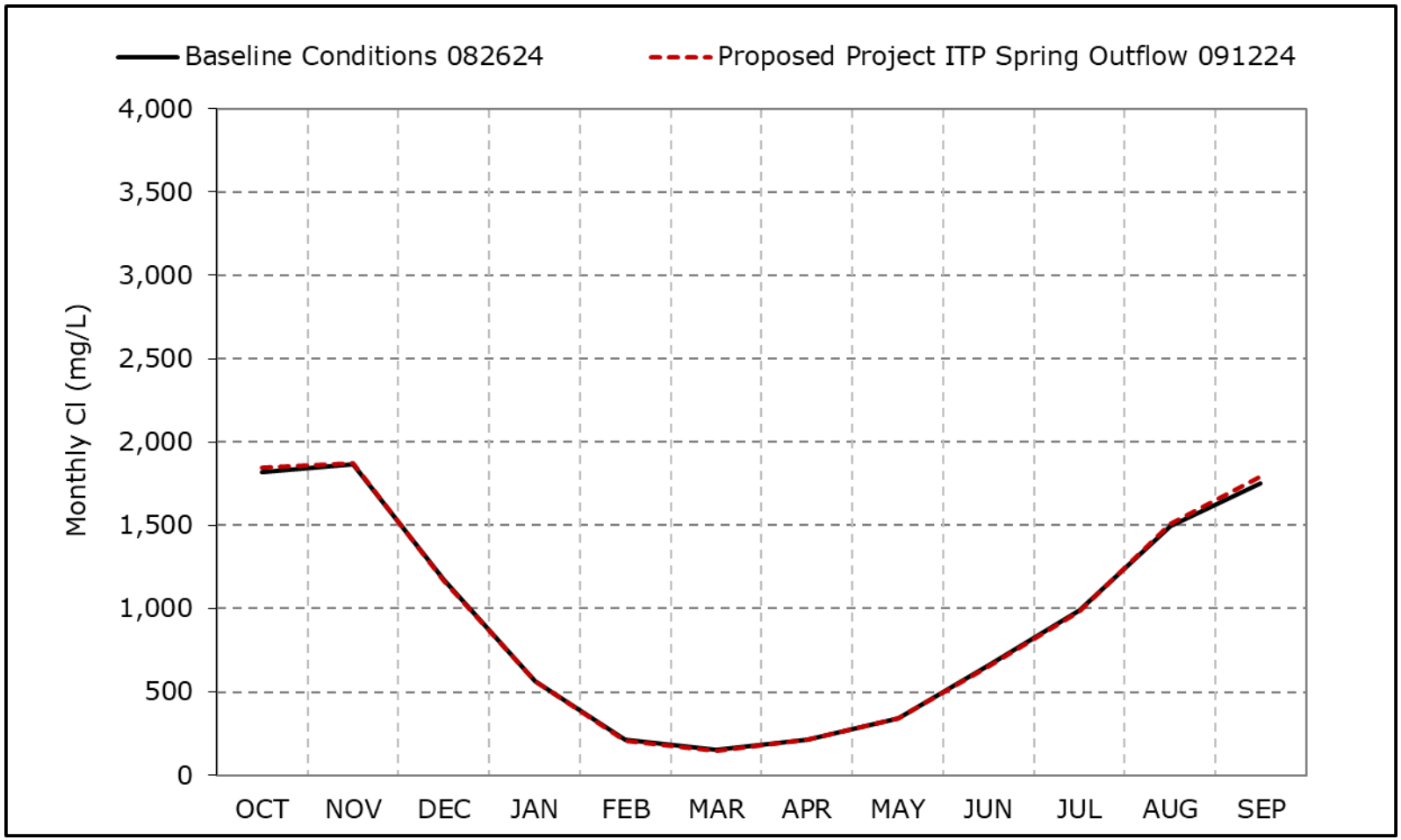
Table 4L-8-3-1c. Sacramento River at Collinsville Chloride, Proposed Project ITP Spring Outflow 091224 minus Baseline Conditions 082624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2	0	1	-57	-45	-2	4	10	0	5	7	9
20% Exceedance	37	-9	-21	-13	-6	-9	-19	2	22	5	32	33
30% Exceedance	38	22	-18	31	4	-1	0	8	1	-10	69	92
40% Exceedance	31	6	9	12	1	-2	2	2	-2	-78	-66	86
50% Exceedance	101	-10	-30	-11	-5	0	-1	4	-4	-20	-95	49
60% Exceedance	9	0	-30	-3	0	0	0	3	-14	-23	88	10
70% Exceedance	12	-3	-12	0	0	0	0	0	-29	-2	43	3
80% Exceedance	5	-17	0	0	0	0	0	0	-5	-14	77	5
90% Exceedance	3	8	1	0	0	0	0	0	0	-1	117	3
Full Simulation Period Average[a]	27	2	-6	-3	-8	-5	-1	0	-5	-9	9	43
Wet Water Years (32%)	33	-2	-18	-9	0	0	0	0	-11	-3	51	23
Above Normal Years (9%)	3	4	16	9	0	0	0	0	-10	-14	38	4
Below Normal Years (20%)	30	4	-7	-4	-1	-2	0	9	-1	-33	-100	101
Dry Water Years (21%)	10	8	3	5	-8	-5	-2	1	5	0	46	70
Critical Water Years (18%)	43	-2	-4	-5	-31	-19	-3	-13	-7	1	0	1

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

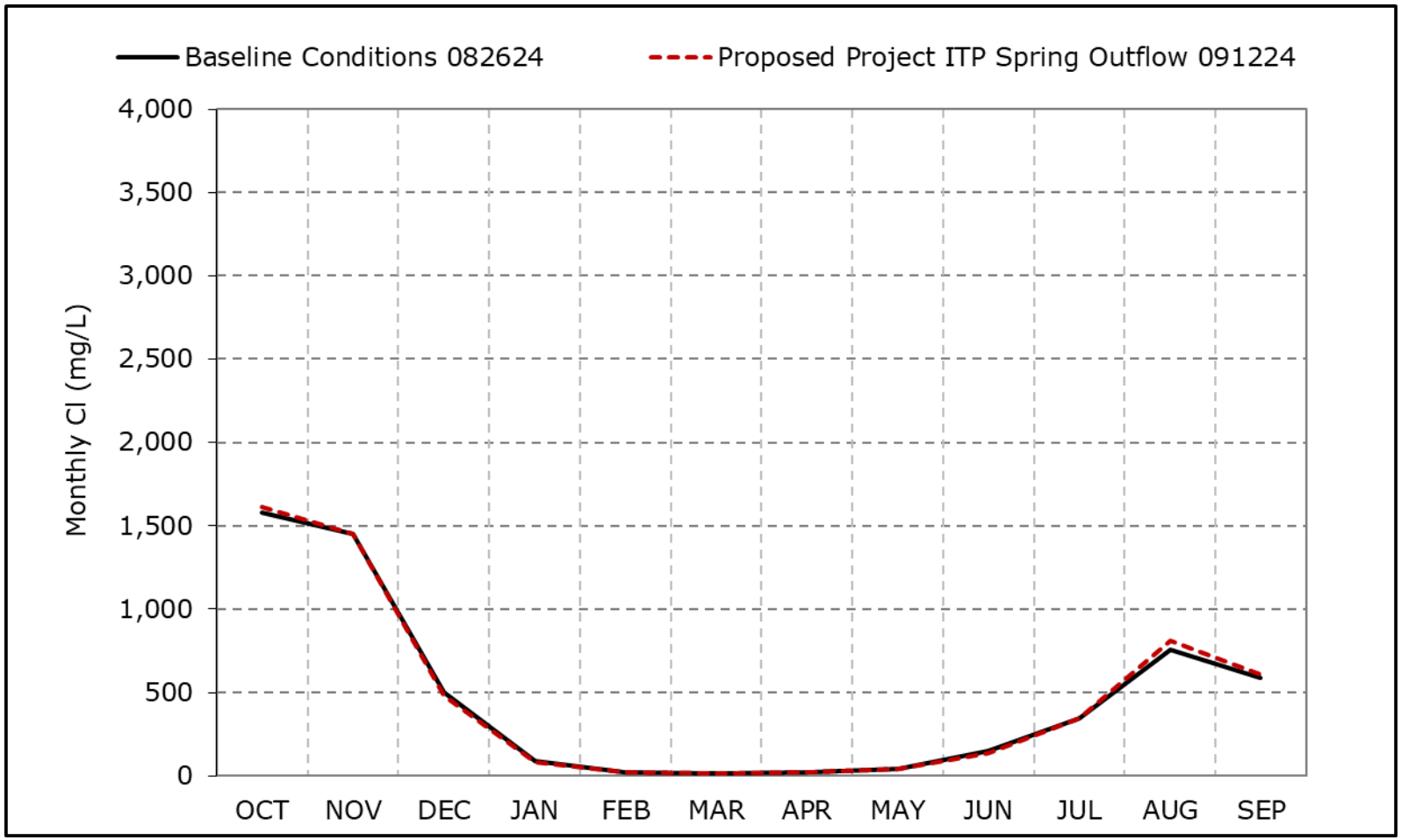
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4L-8-3a. Sacramento River at Collinsville Chloride, Long-Term Average Cl



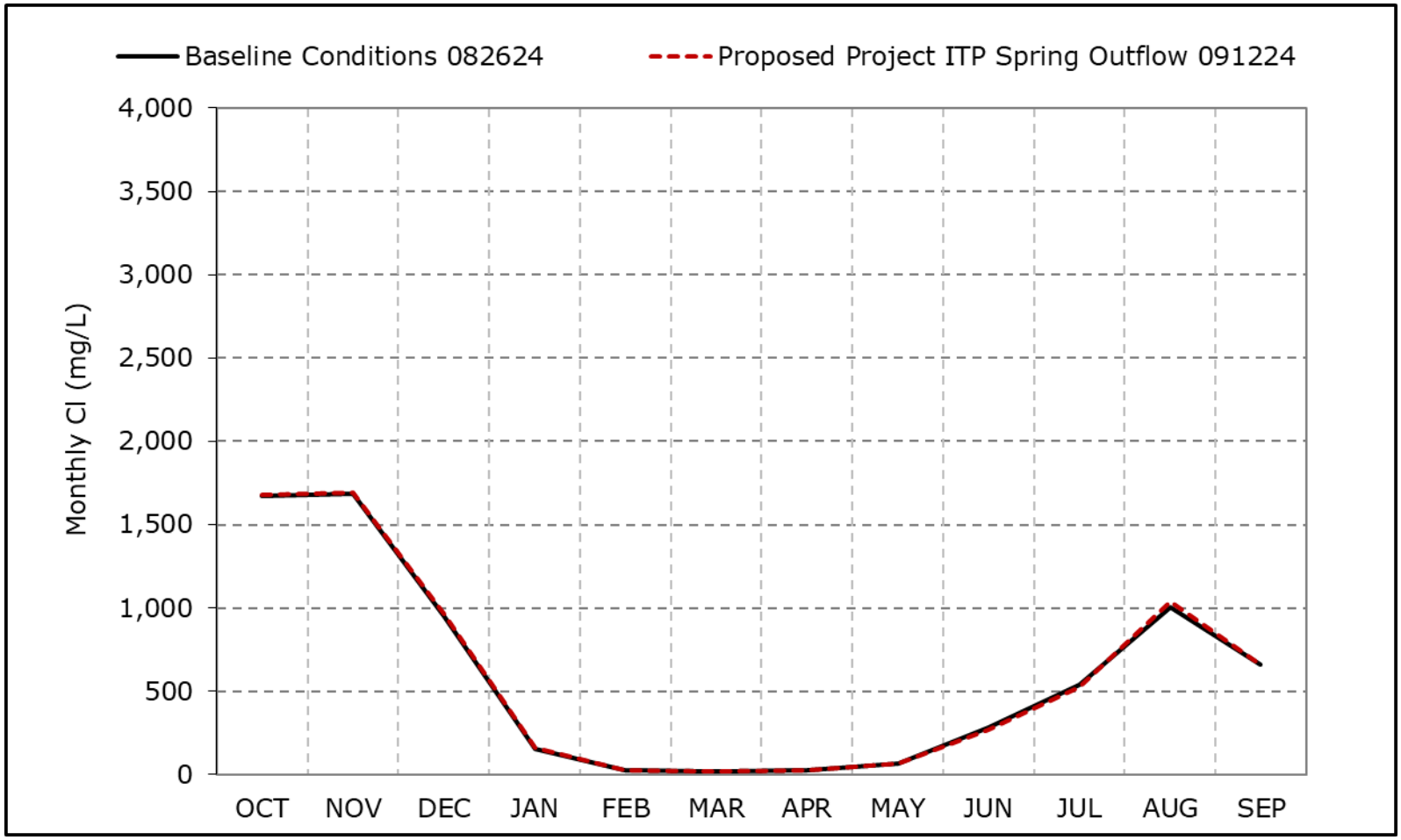
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-3b. Sacramento River at Collinsville Chloride, Wet Year Average Cl



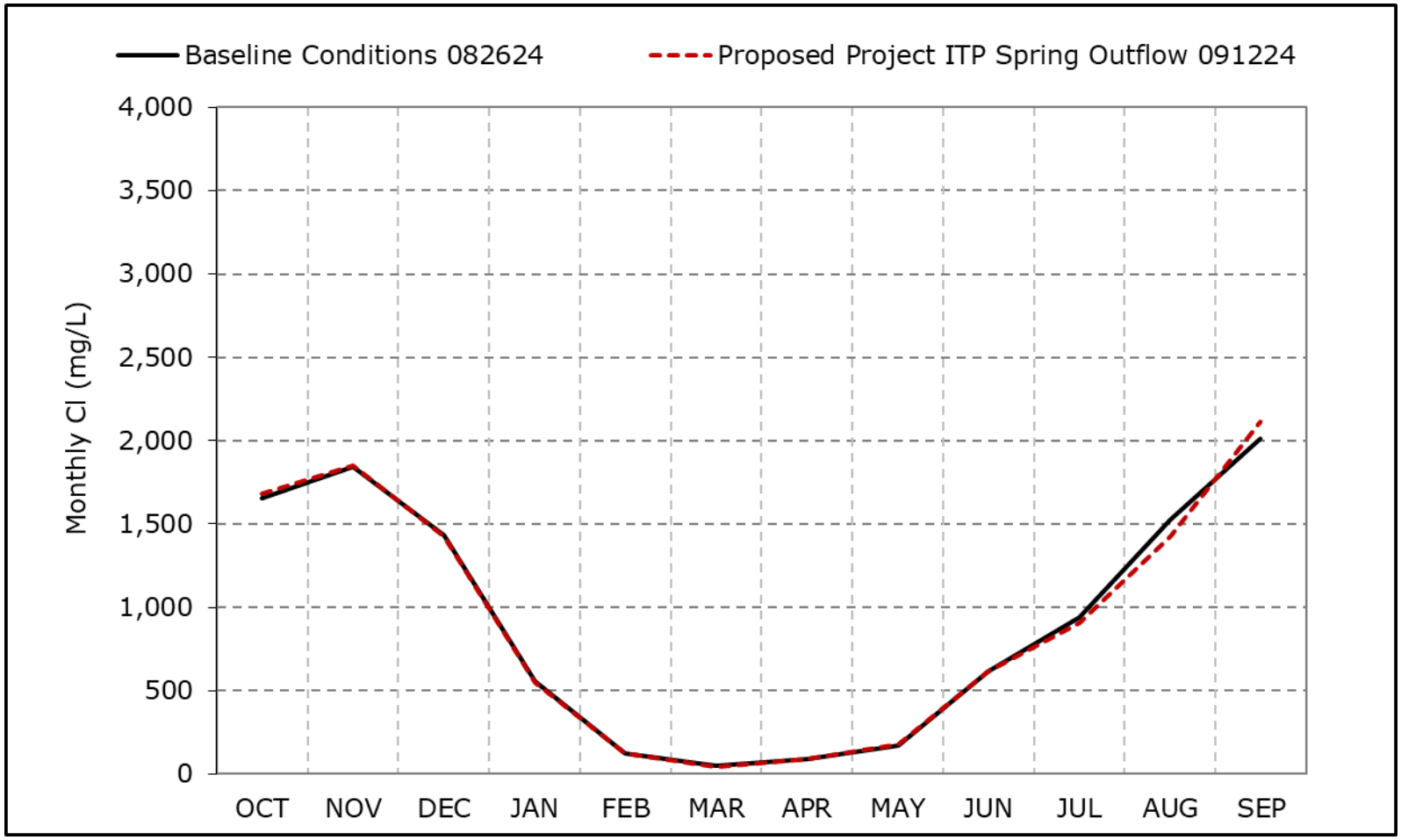
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-3c. Sacramento River at Collinsville Chloride, Above Normal Year Average Cl



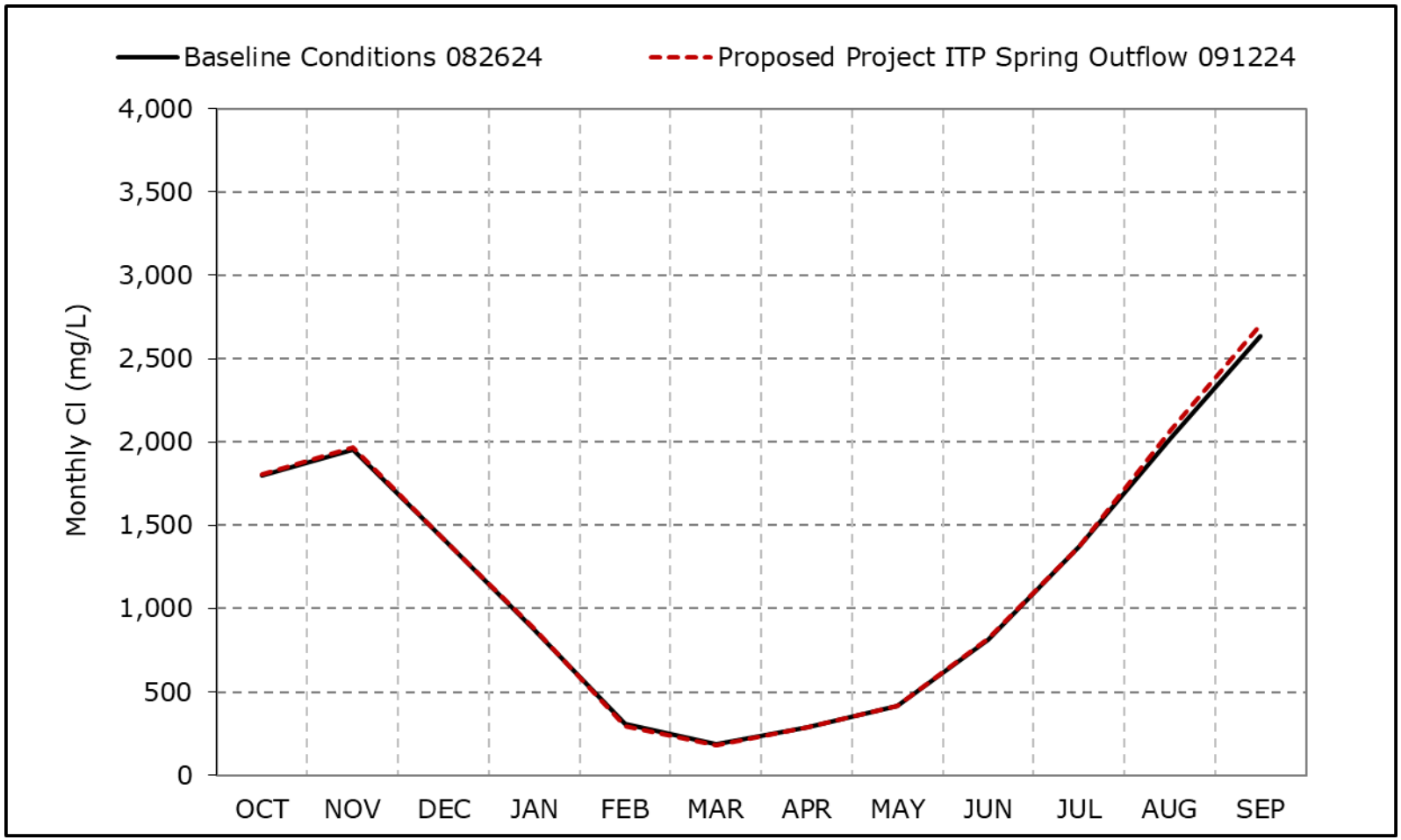
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-3d. Sacramento River at Collinsville Chloride, Below Normal Year Average Cl



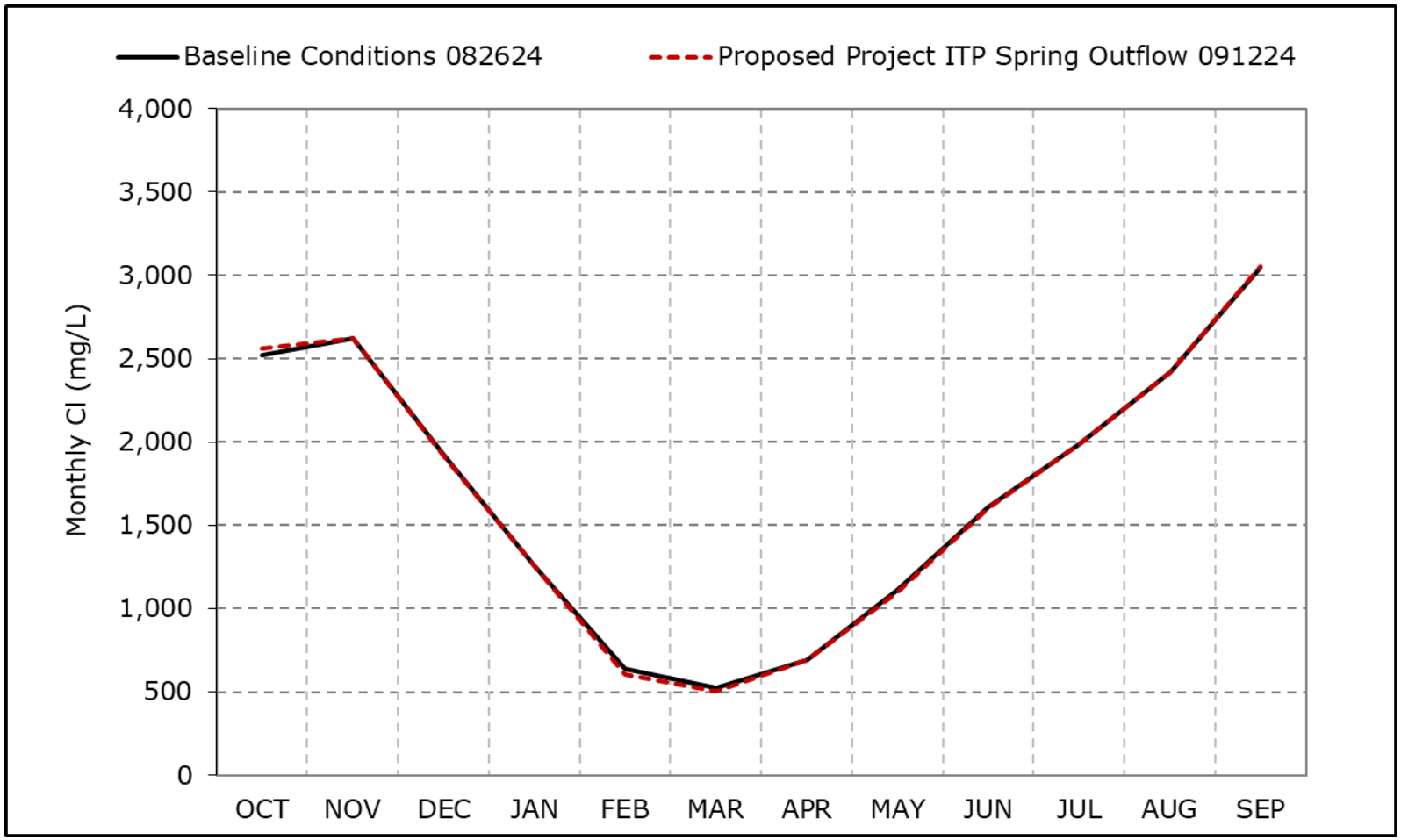
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-3e. Sacramento River at Collinsville Chloride, Dry Year Average Cl



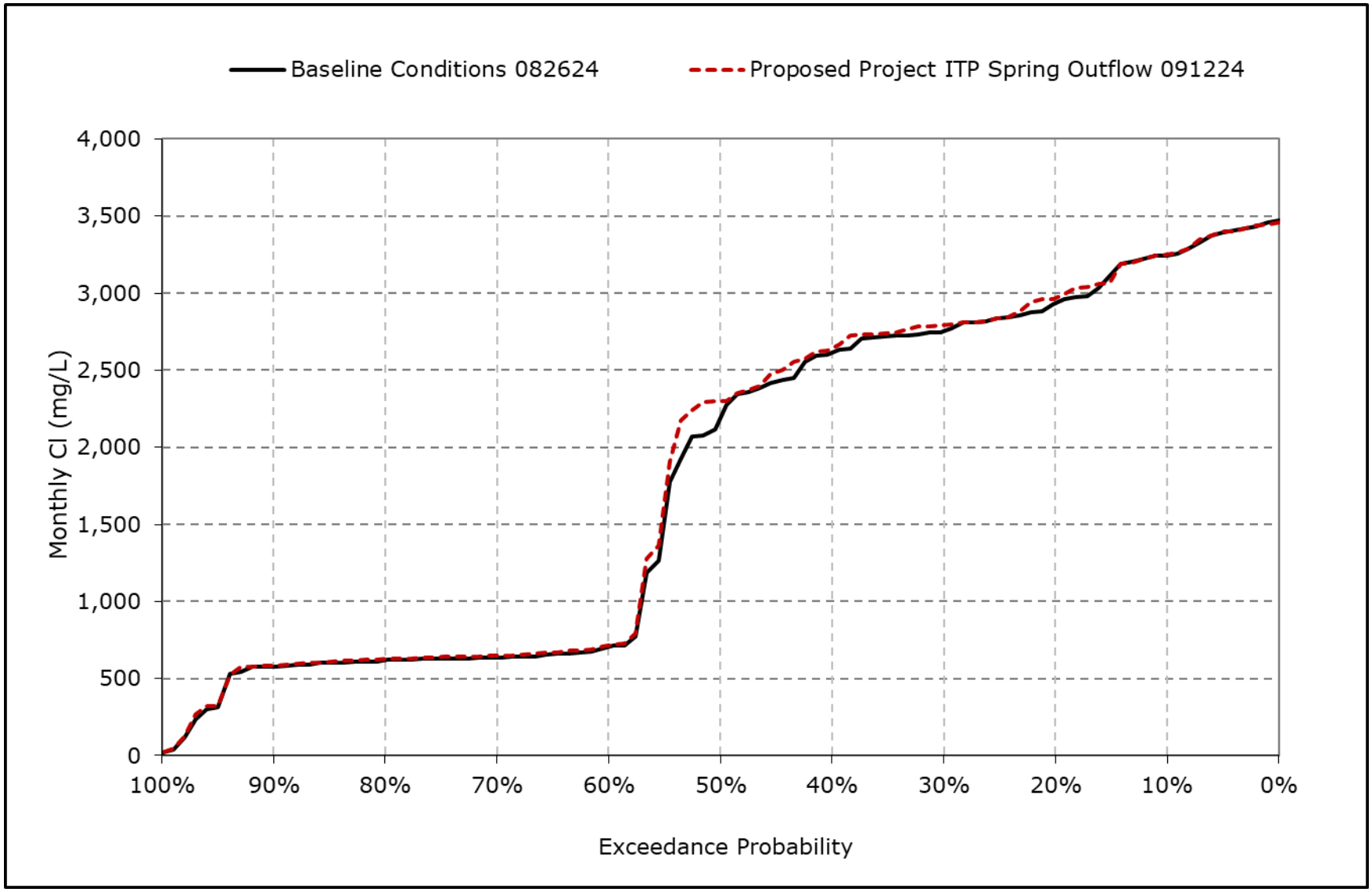
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-3f. Sacramento River at Collinsville Chloride, Critical Year Average Cl



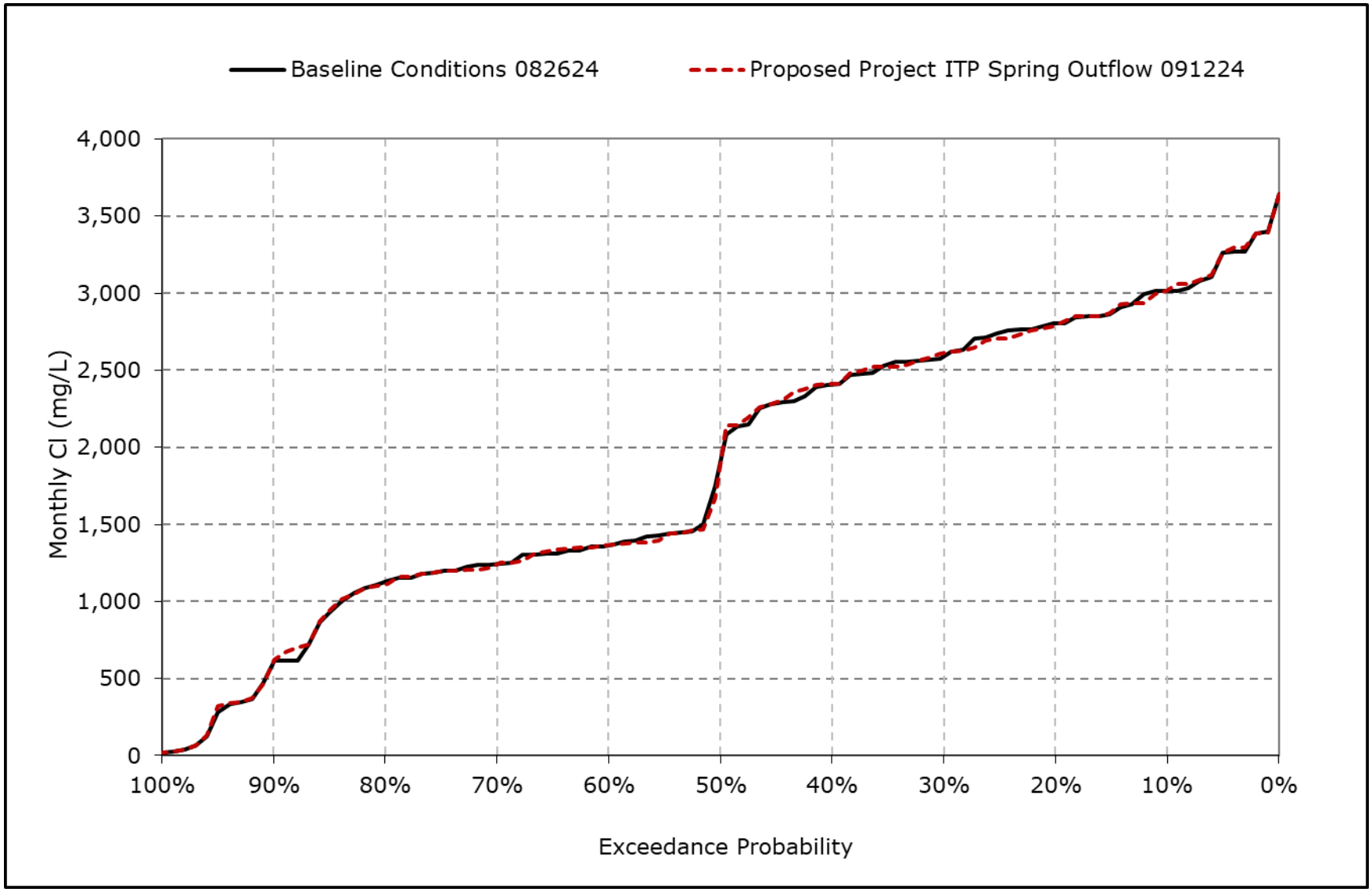
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-3g. Sacramento River at Collinsville Chloride, October Cl



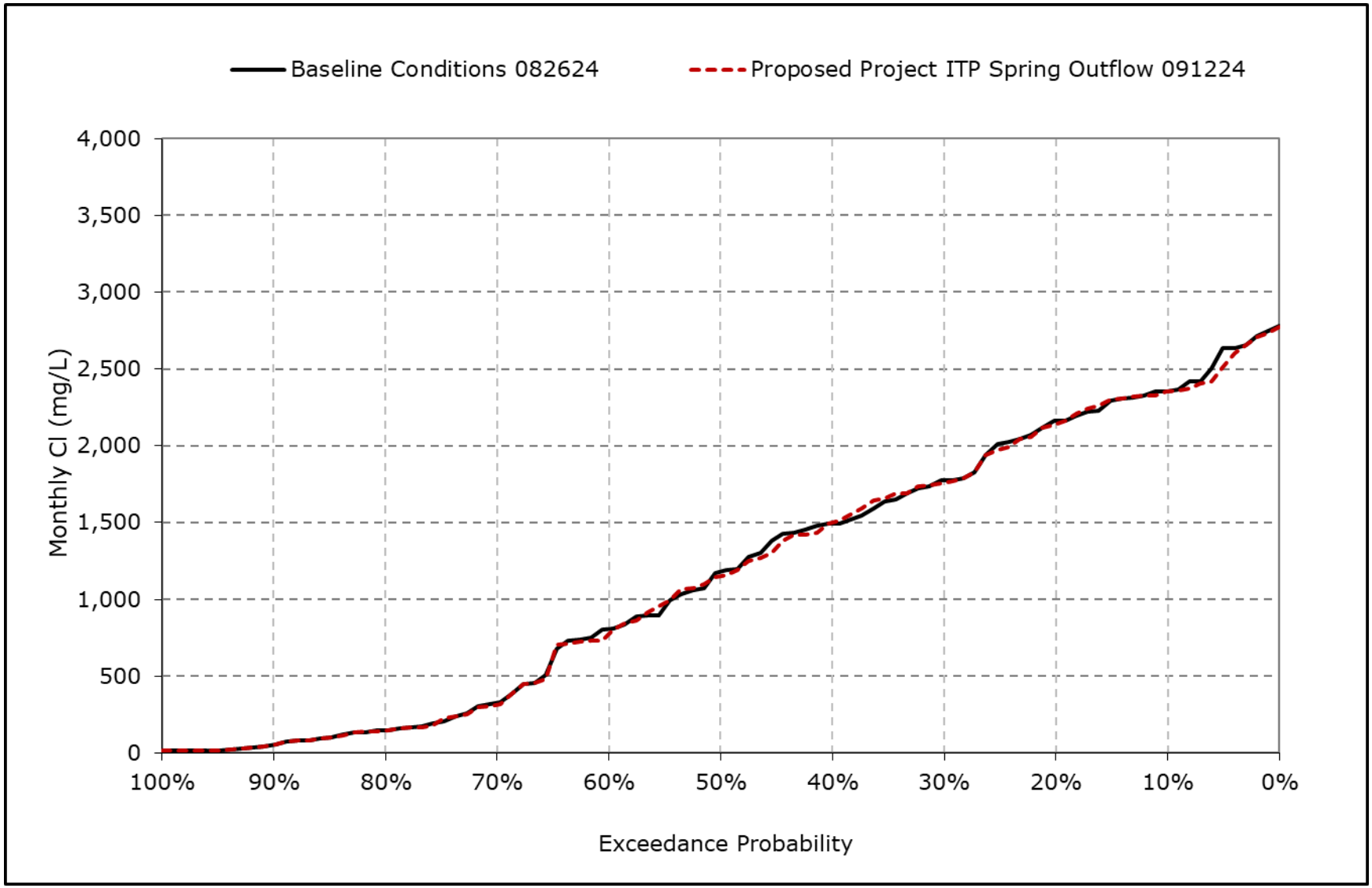
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-3h. Sacramento River at Collinsville Chloride, November Cl



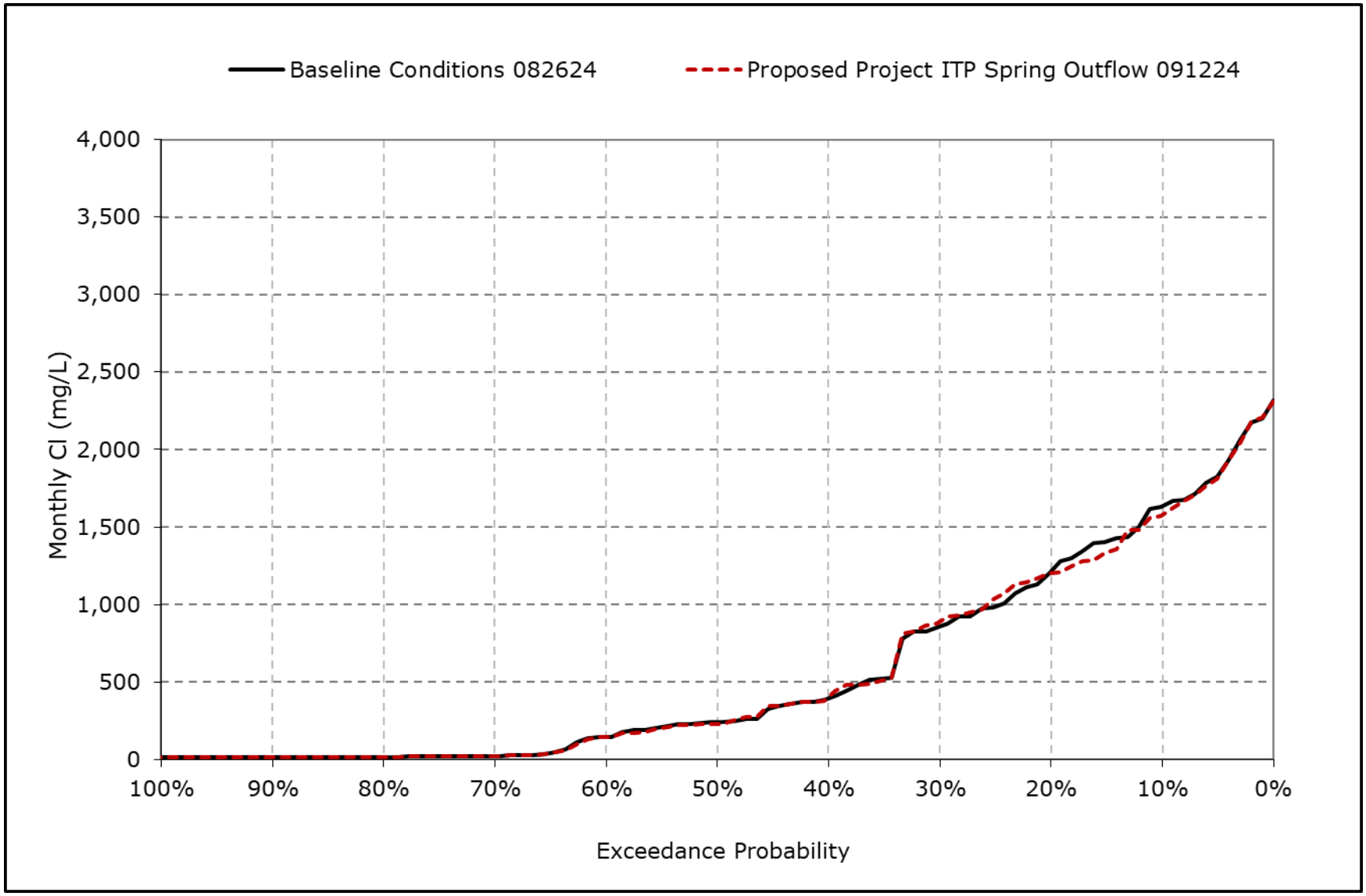
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-3i. Sacramento River at Collinsville Chloride, December Cl



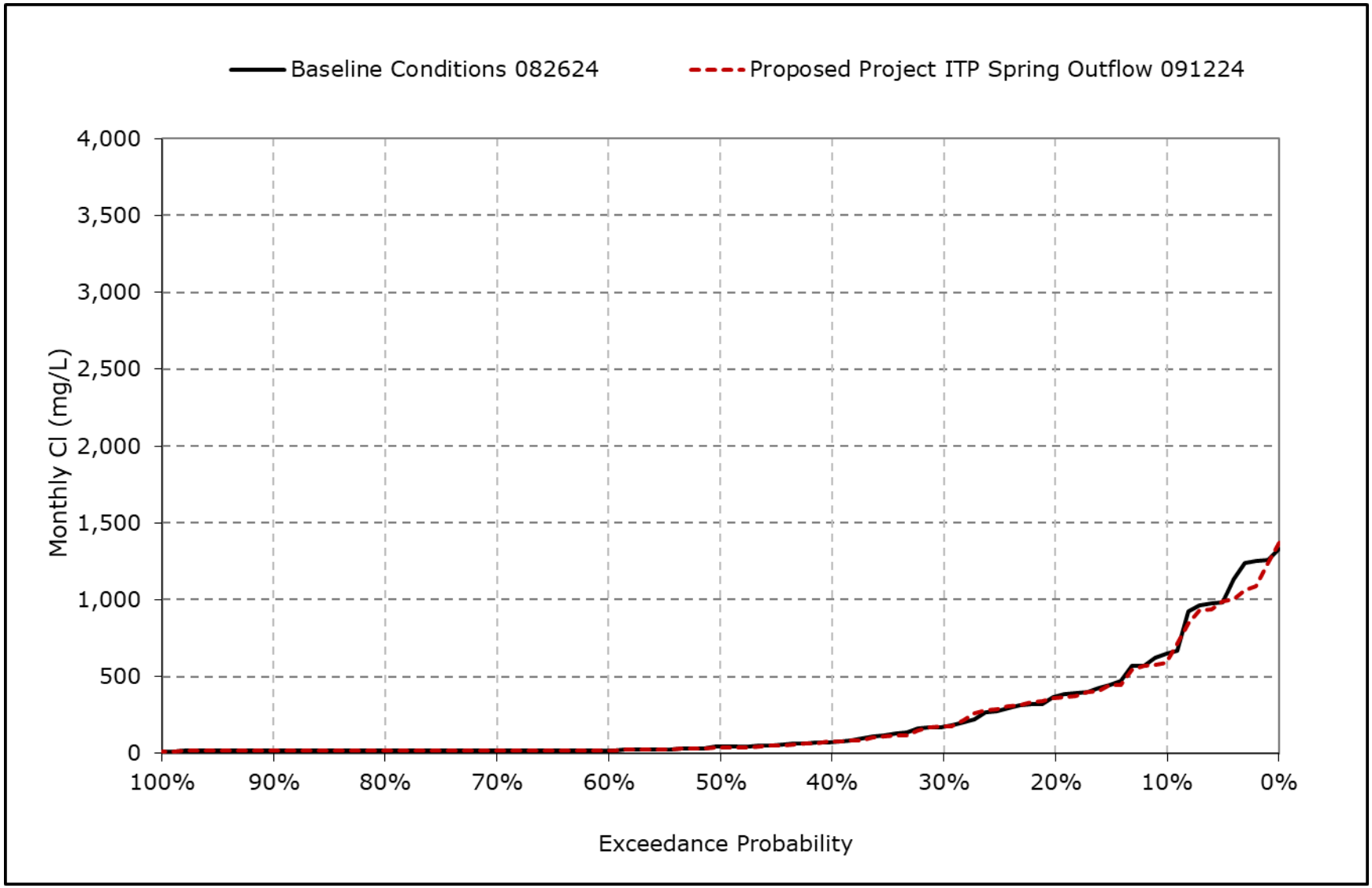
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-3j. Sacramento River at Collinsville Chloride, January Cl



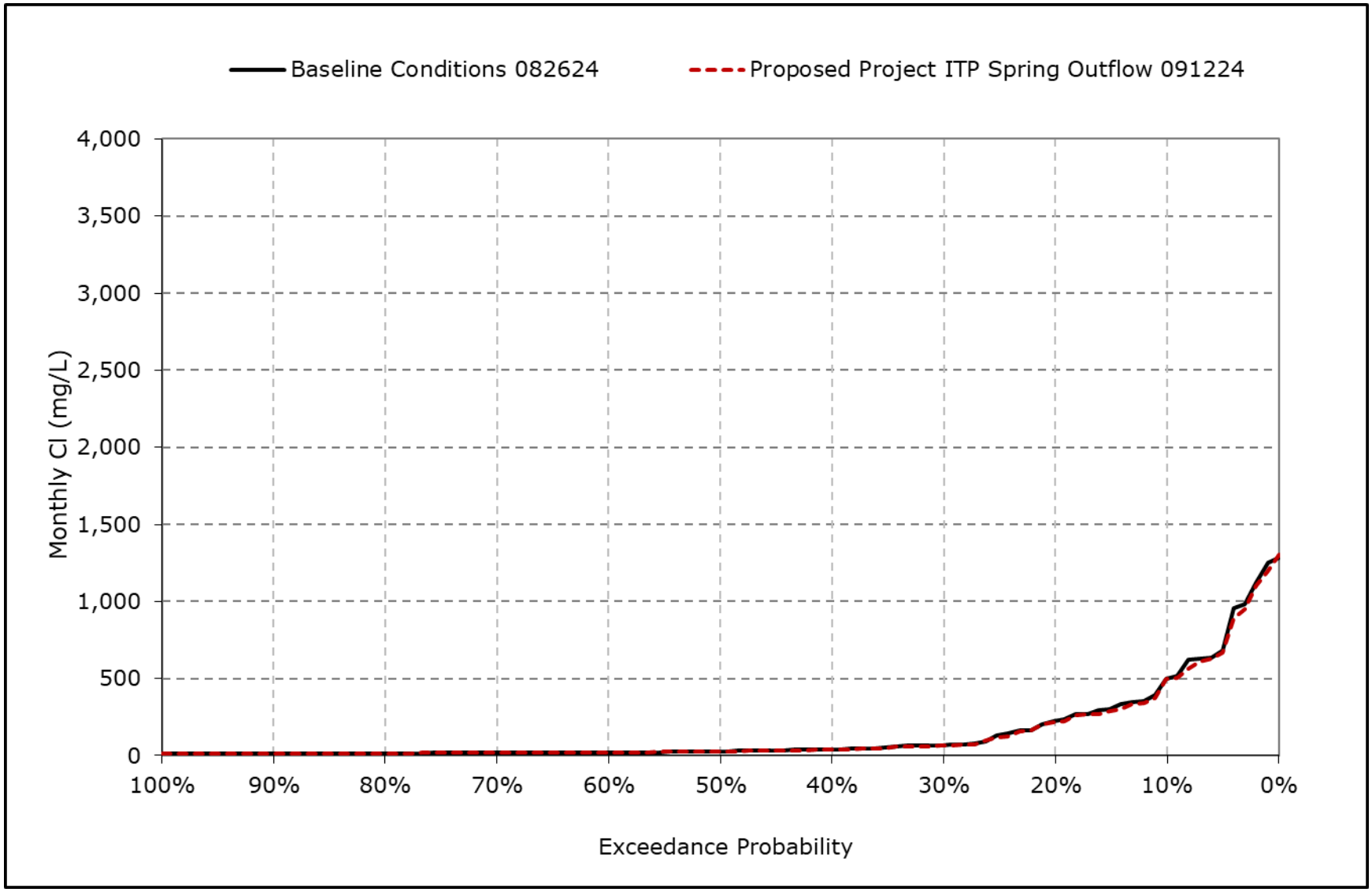
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-3k. Sacramento River at Collinsville Chloride, February Cl



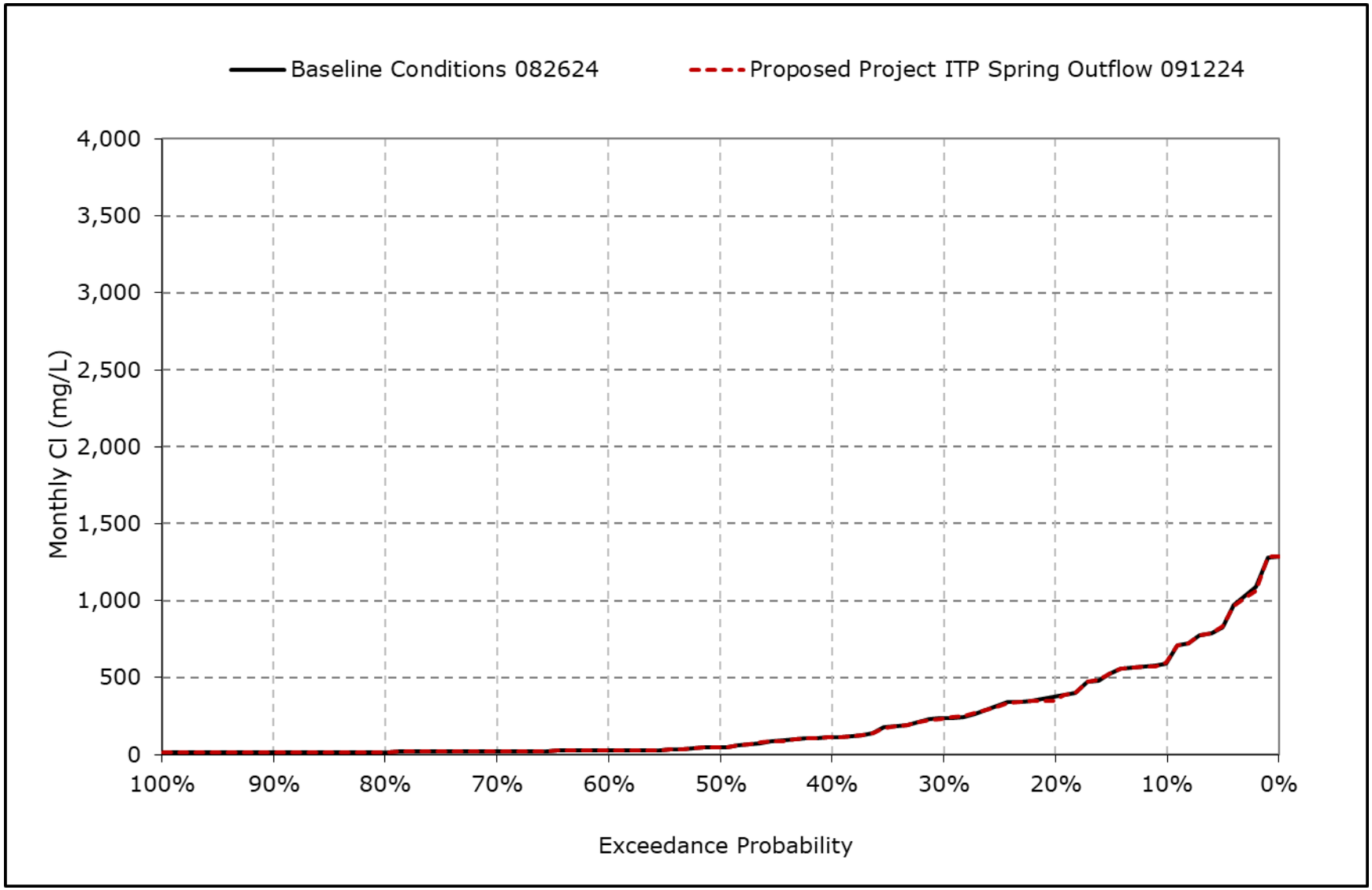
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-3l. Sacramento River at Collinsville Chloride, March Cl



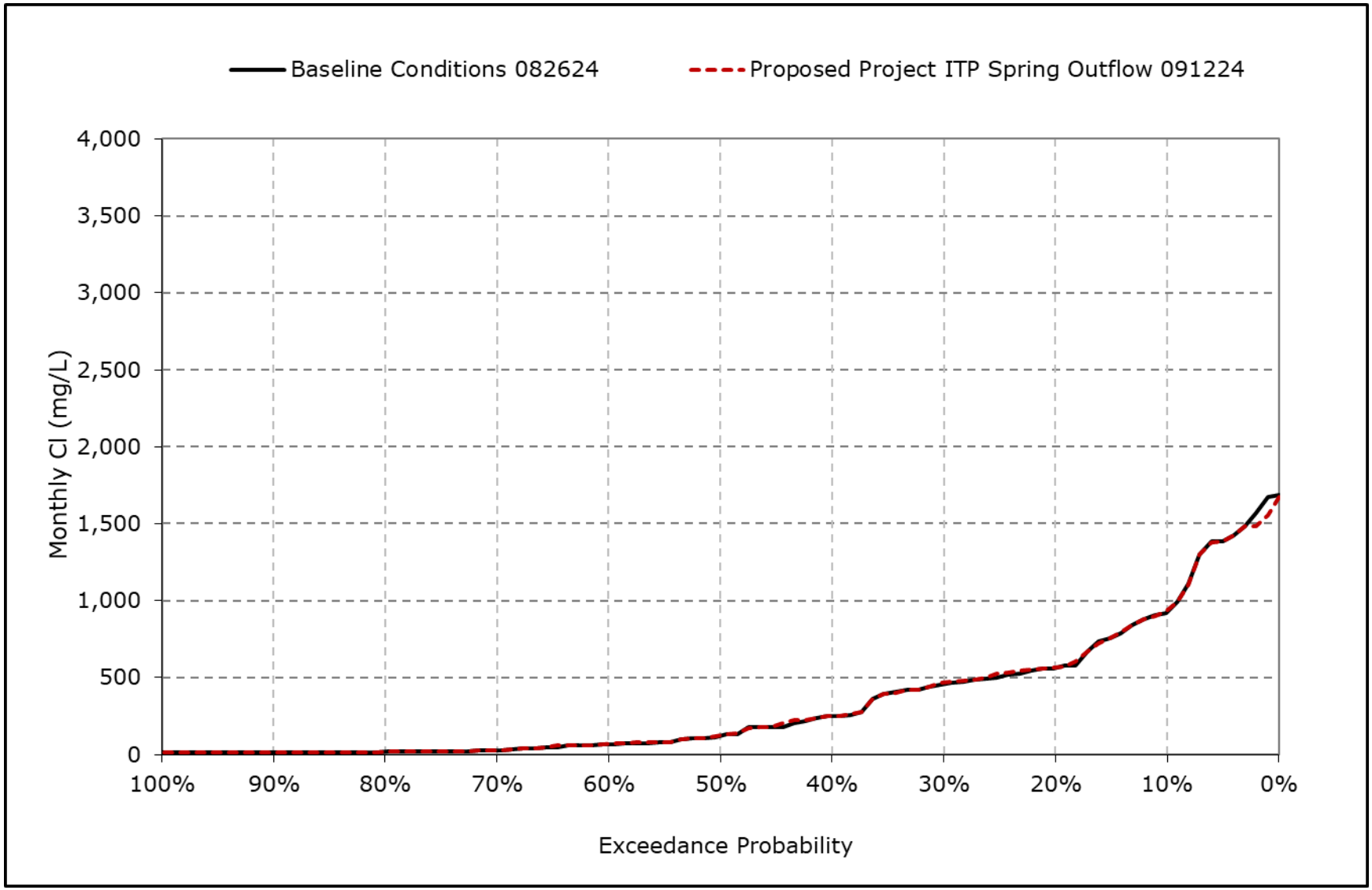
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-3m. Sacramento River at Collinsville Chloride, April Cl



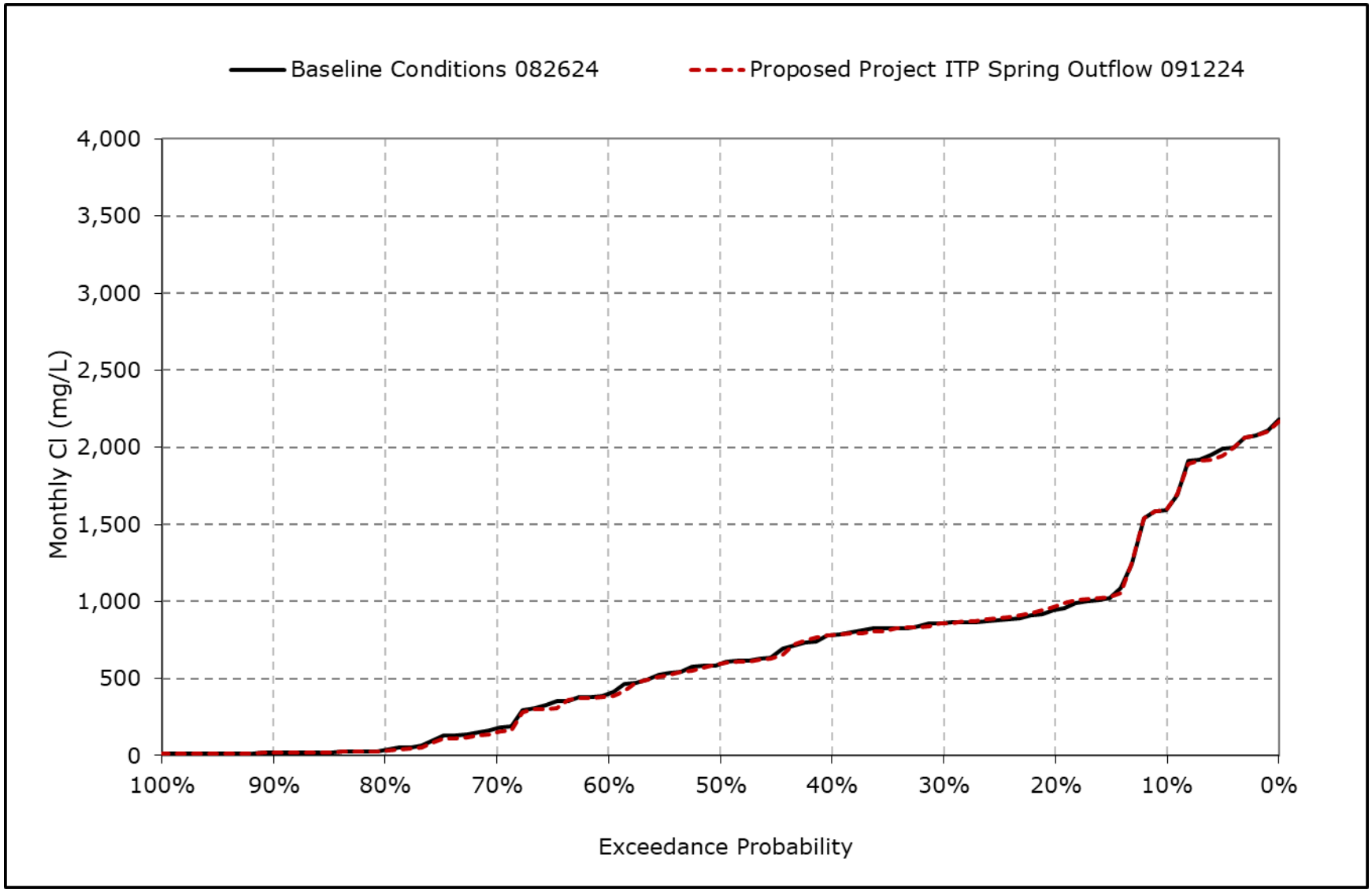
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-3n. Sacramento River at Collinsville Chloride, May Cl



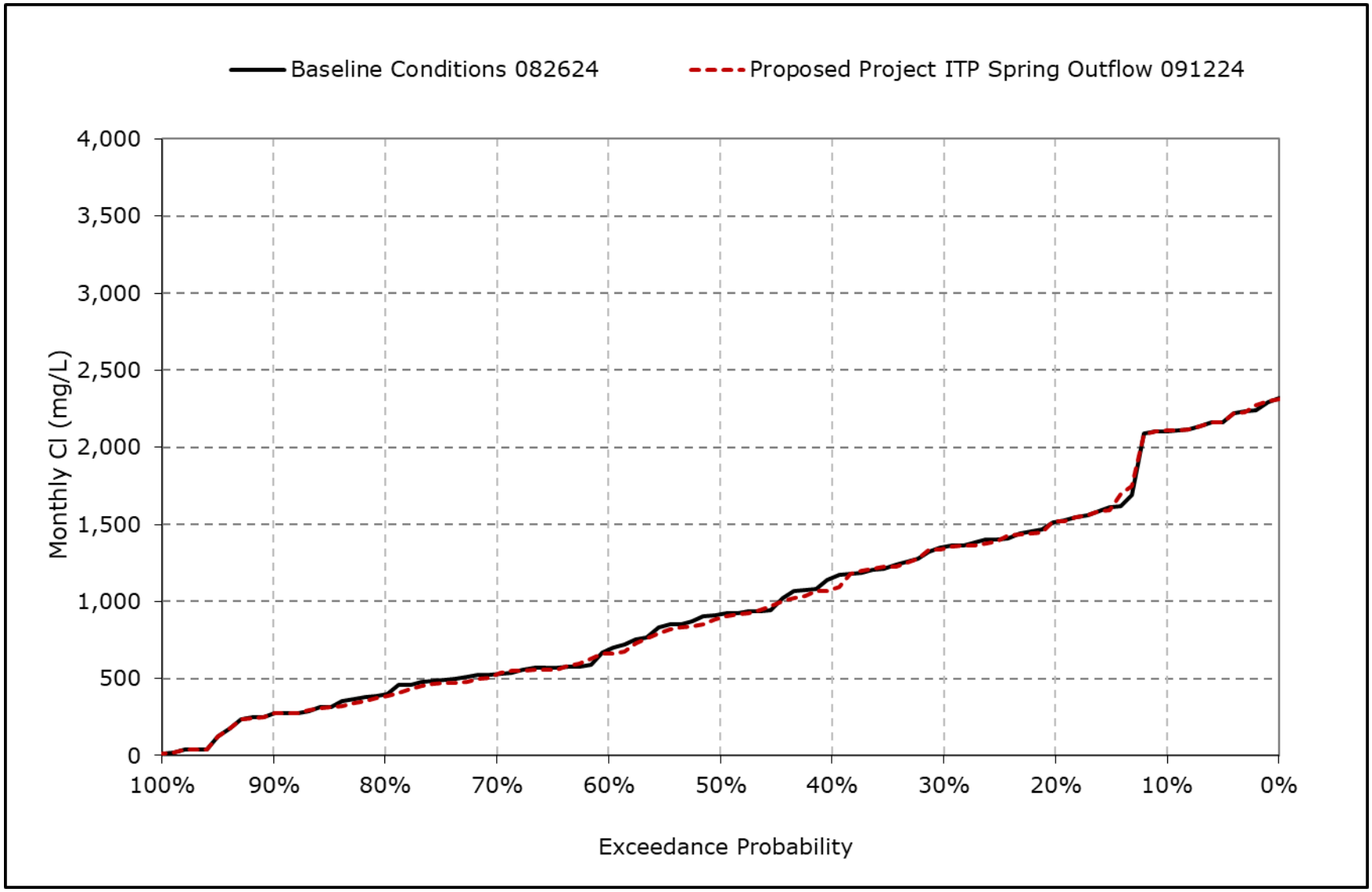
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-3o. Sacramento River at Collinsville Chloride, June Cl



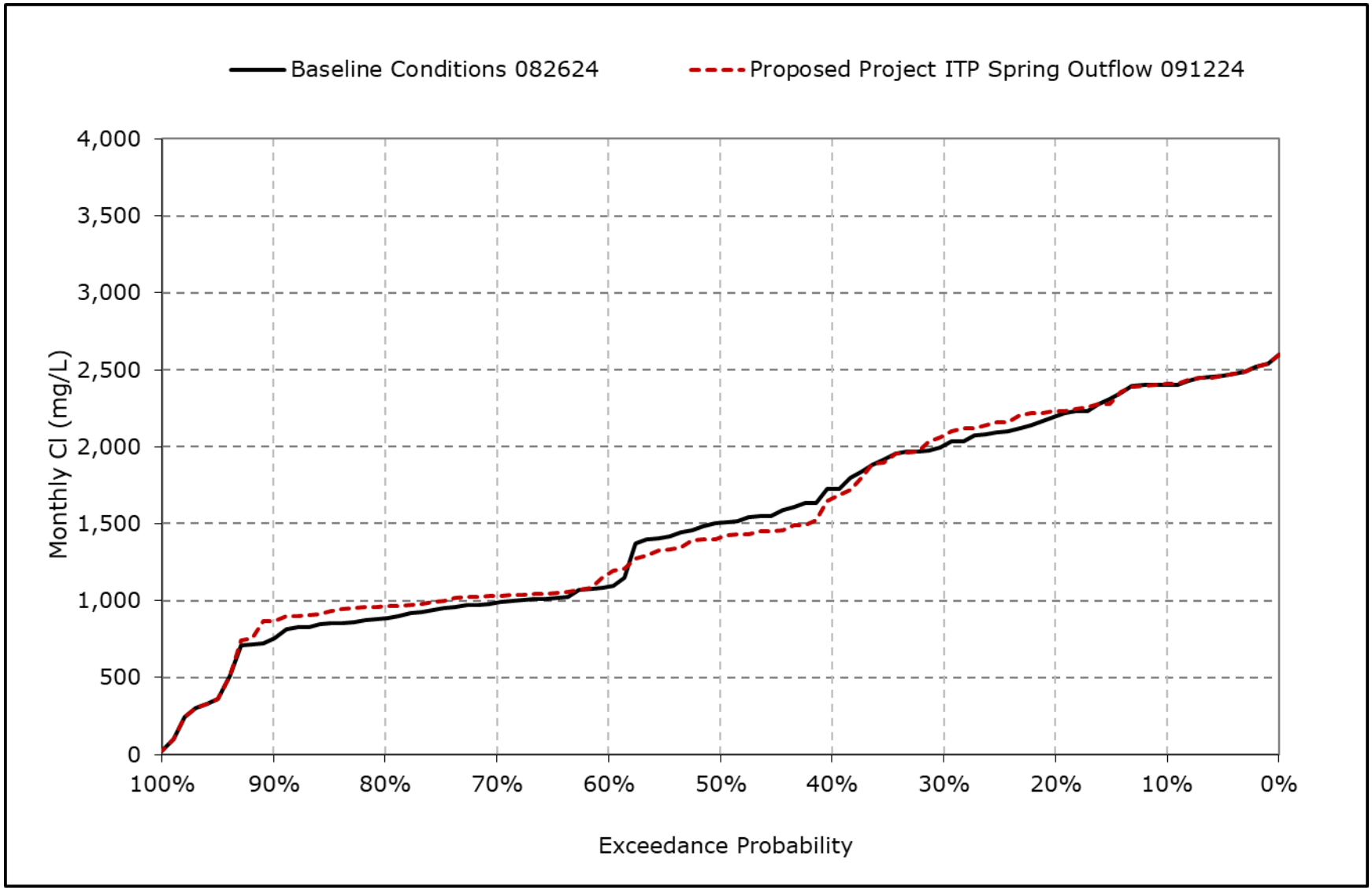
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-3p. Sacramento River at Collinsville Chloride, July Cl



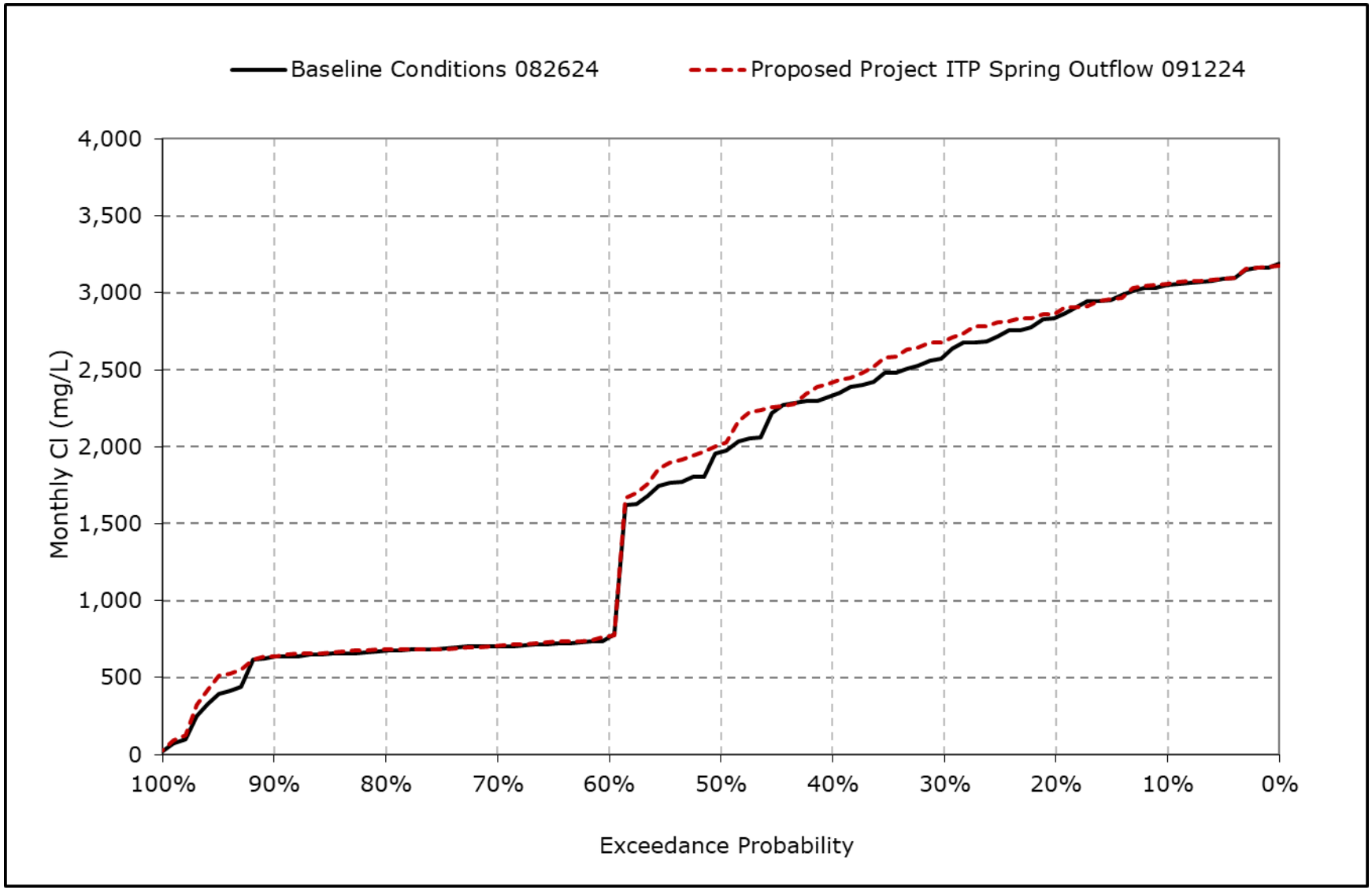
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-3q. Sacramento River at Collinsville Chloride, August Cl



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

Figure 4L-8-3r. Sacramento River at Collinsville Chloride, September Cl



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

Table 4L-8-4-1a. San Joaquin River at Jersey Point Chloride, Baseline Conditions 082624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	515	543	468	293	139	47	40	61	146	286	348	476
20% Exceedance	463	471	440	242	81	30	30	34	65	226	306	448
30% Exceedance	426	444	420	183	52	27	26	30	56	167	286	432
40% Exceedance	404	420	403	133	32	25	25	28	48	143	251	425
50% Exceedance	359	386	325	89	28	23	24	25	31	120	217	378
60% Exceedance	69	254	210	50	25	22	23	23	25	70	177	151
70% Exceedance	46	225	160	29	22	21	21	21	20	50	140	111
80% Exceedance	36	160	105	22	20	20	21	18	18	26	107	88
90% Exceedance	27	88	49	19	19	19	16	15	14	18	57	56
Full Simulation Period Average[a]	274	328	284	131	54	30	28	35	57	128	209	289
Wet Water Years (32%)	247	281	166	41	22	19	18	17	18	32	91	81
Above Normal Years (9%)	247	307	265	75	25	23	24	22	23	47	125	88
Below Normal Years (20%)	246	314	332	145	42	24	25	26	42	137	269	437
Dry Water Years (21%)	252	331	333	185	71	32	28	30	53	202	283	414
Critical Water Years (18%)	394	434	396	239	117	59	52	90	165	241	309	451

Table 4L-8-4-1b. San Joaquin River at Jersey Point Chloride, Proposed Project ITP Spring Outflow 091224, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	516	545	477	292	127	47	40	62	149	286	360	471
20% Exceedance	468	469	439	241	79	29	29	34	63	228	310	453
30% Exceedance	436	446	415	188	51	27	26	31	52	173	290	437
40% Exceedance	412	424	392	133	33	25	25	28	45	146	270	425
50% Exceedance	376	393	327	90	28	23	24	25	29	118	227	399
60% Exceedance	75	241	216	50	25	22	23	23	24	70	191	178
70% Exceedance	49	228	160	29	22	21	21	21	20	49	161	137
80% Exceedance	40	165	98	22	20	20	21	18	18	25	130	119
90% Exceedance	30	91	50	19	19	19	17	15	14	18	81	81
Full Simulation Period Average[a]	279	329	284	130	52	30	28	35	56	128	222	303
Wet Water Years (32%)	255	282	163	40	22	19	18	17	18	31	108	105
Above Normal Years (9%)	251	304	273	77	25	23	24	22	23	52	153	110
Below Normal Years (20%)	247	315	331	142	41	24	25	26	40	134	266	436
Dry Water Years (21%)	254	335	331	181	67	31	27	30	51	206	308	430
Critical Water Years (18%)	401	434	400	241	111	56	51	89	164	238	311	452

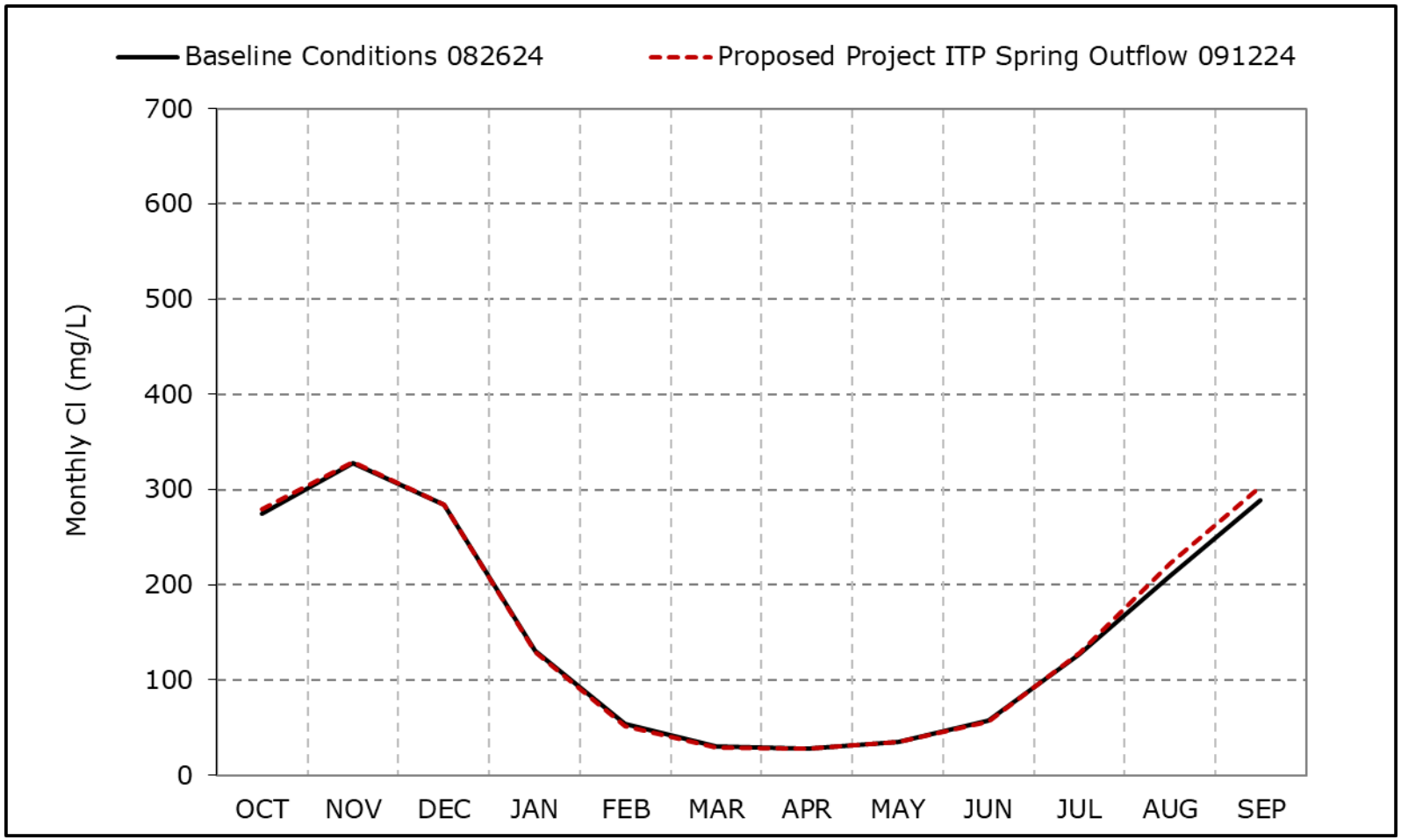
Table 4L-8-4-1c. San Joaquin River at Jersey Point Chloride, Proposed Project ITP Spring Outflow 091224 minus Baseline Conditions 082624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1	2	9	-1	-11	-1	0	0	3	0	12	-5
20% Exceedance	5	-1	-1	-1	-2	-1	-1	0	-2	2	4	5
30% Exceedance	11	2	-5	5	-2	0	0	0	-4	6	5	5
40% Exceedance	8	4	-11	0	1	0	0	0	-3	3	18	0
50% Exceedance	18	7	2	2	0	0	0	0	-1	-2	10	21
60% Exceedance	6	-12	6	0	0	0	0	0	0	-1	13	27
70% Exceedance	4	3	0	0	0	0	0	0	0	-1	21	26
80% Exceedance	4	6	-6	0	0	0	0	0	0	-1	23	31
90% Exceedance	3	4	1	0	0	0	0	0	0	0	24	25
Full Simulation Period Average[a]	5	1	0	-1	-2	-1	0	0	-1	0	13	13
Wet Water Years (32%)	8	1	-3	-2	0	0	0	0	0	0	16	25
Above Normal Years (9%)	4	-3	8	2	0	0	0	0	-1	5	29	22
Below Normal Years (20%)	1	1	-1	-2	-1	0	0	0	-2	-3	-3	-1
Dry Water Years (21%)	1	4	-2	-4	-4	-1	0	0	-2	4	26	16
Critical Water Years (18%)	7	0	4	2	-6	-3	-1	-1	-1	-3	1	1

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

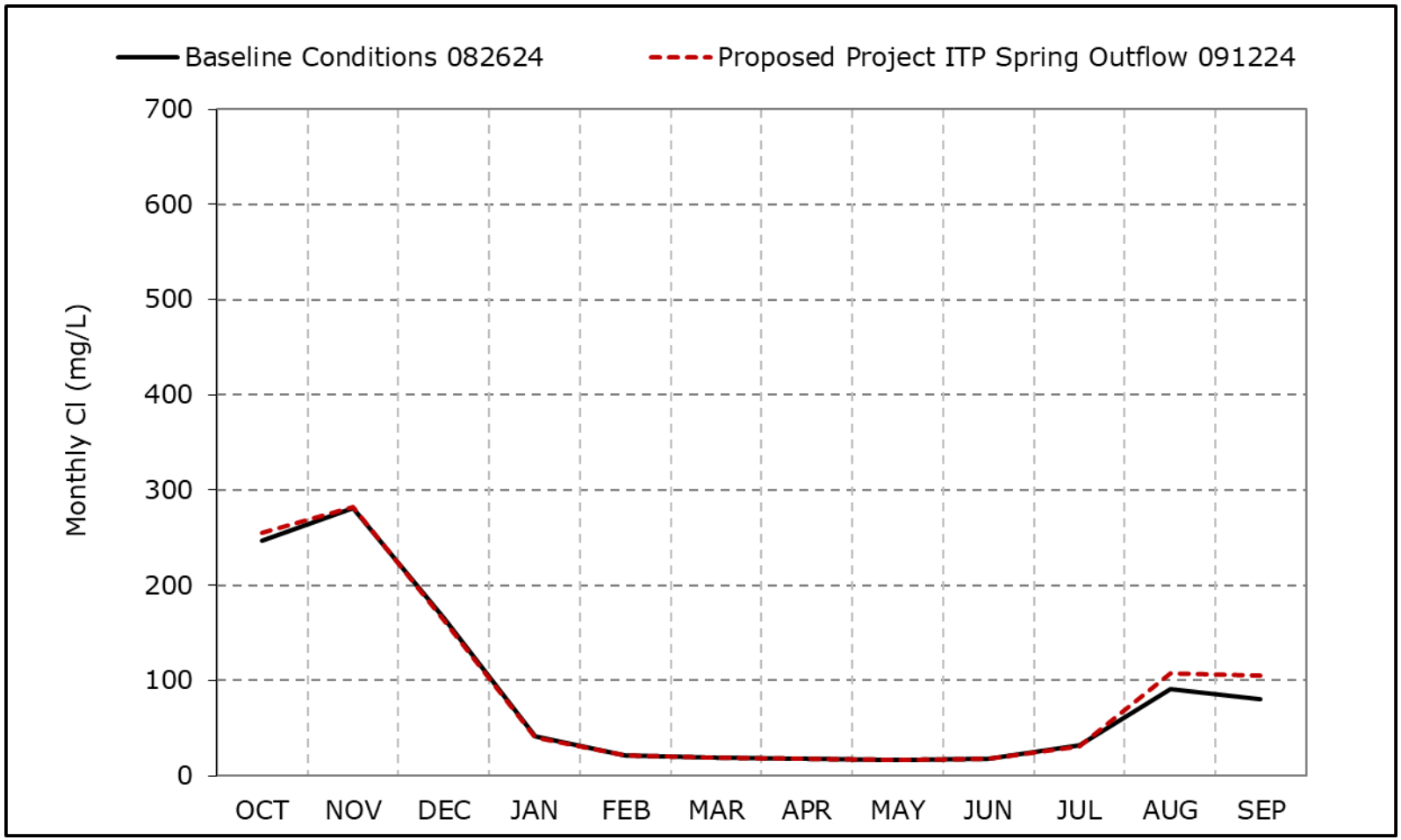
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4L-8-4a. San Joaquin River at Jersey Point Chloride, Long-Term Average Cl



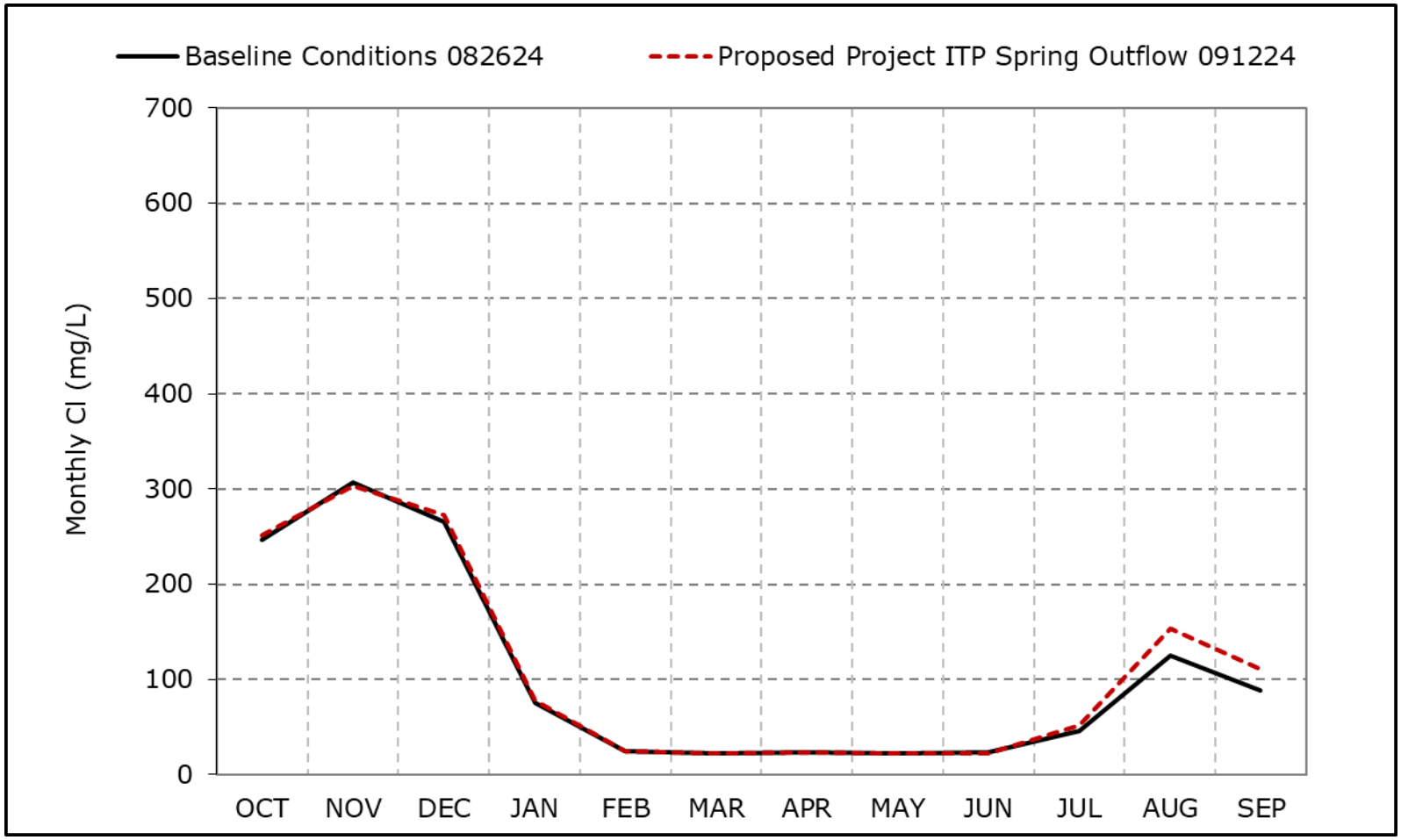
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-4b. San Joaquin River at Jersey Point Chloride, Wet Year Average Cl



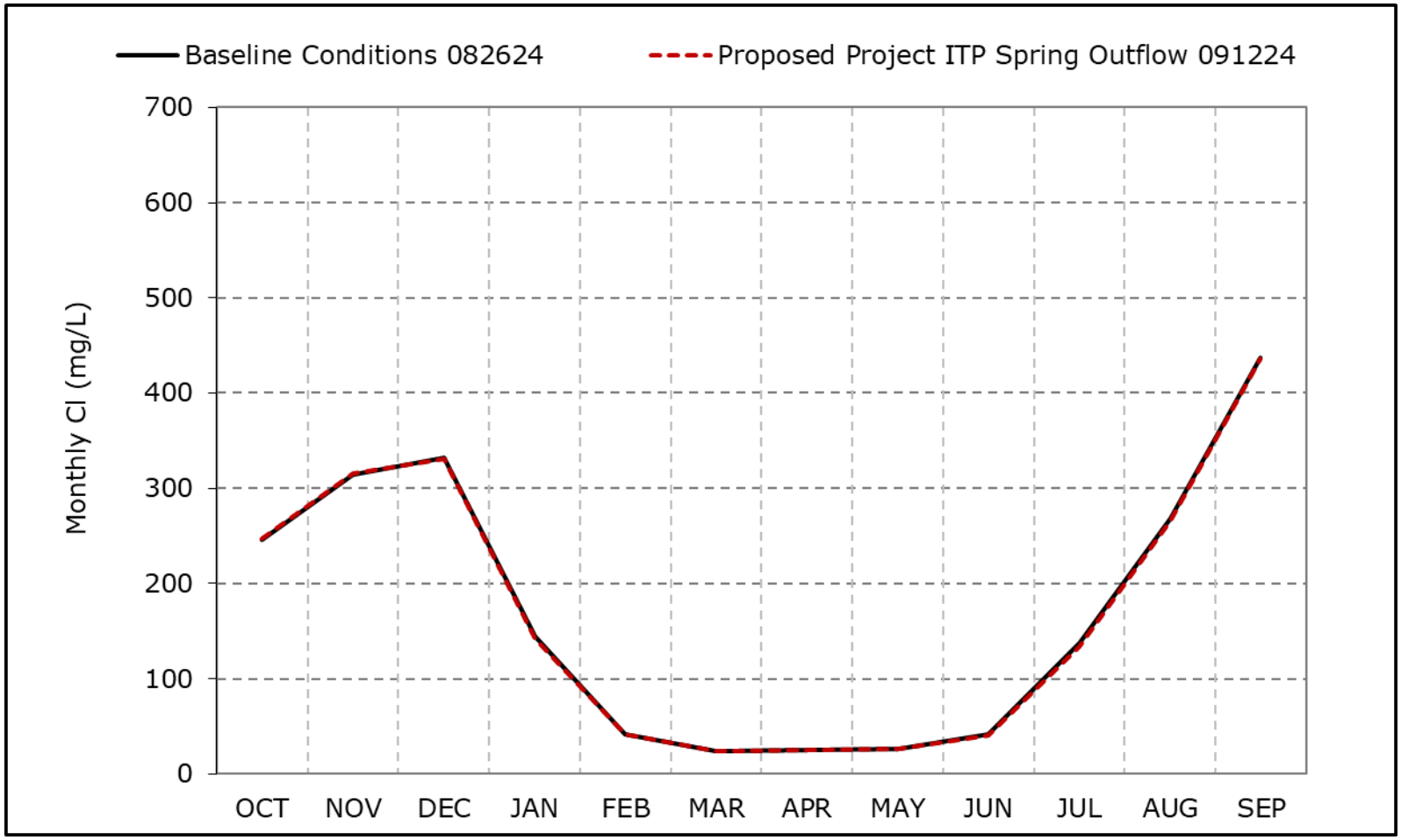
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-4c. San Joaquin River at Jersey Point Chloride, Above Normal Year Average Cl



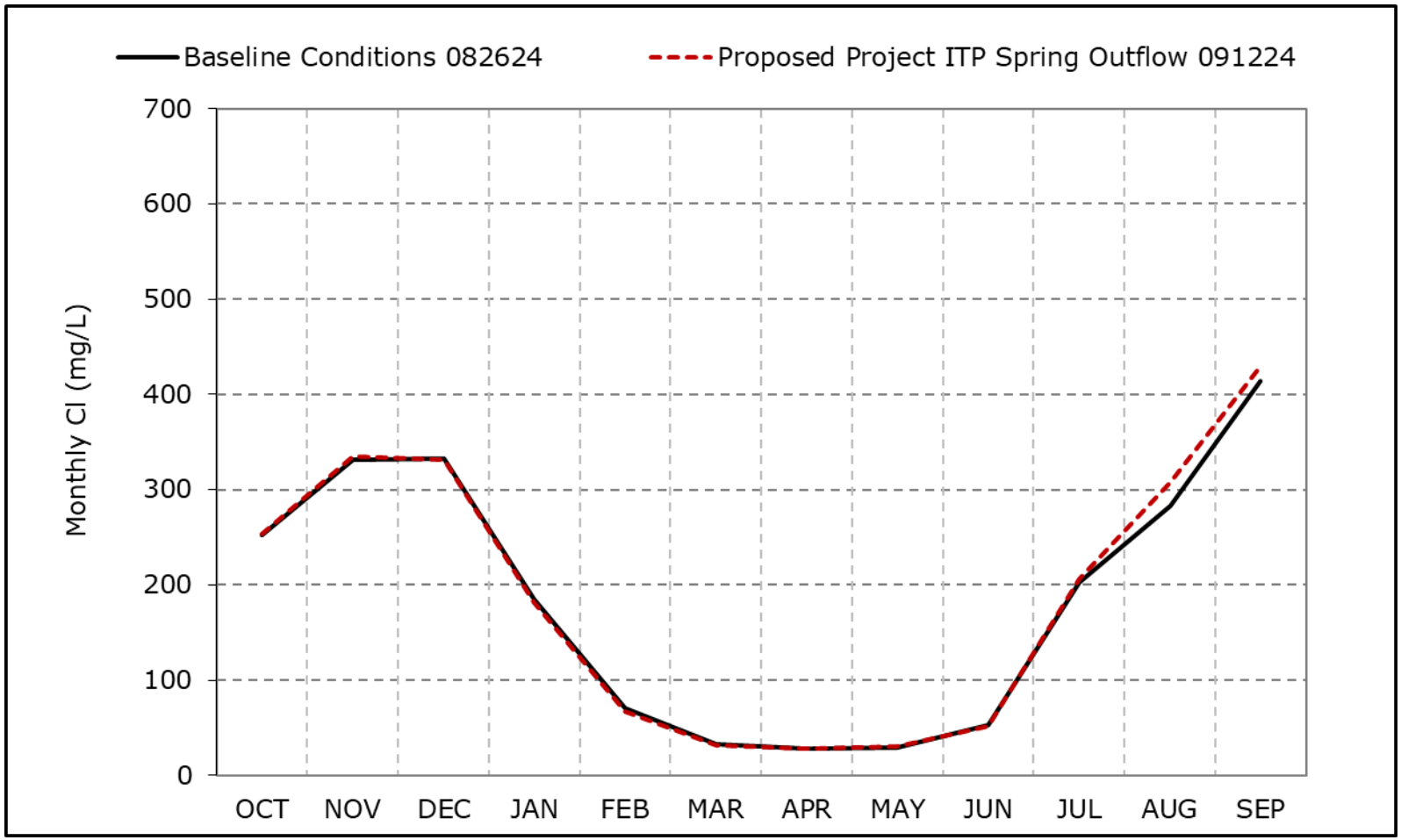
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-4d. San Joaquin River at Jersey Point Chloride, Below Normal Year Average Cl



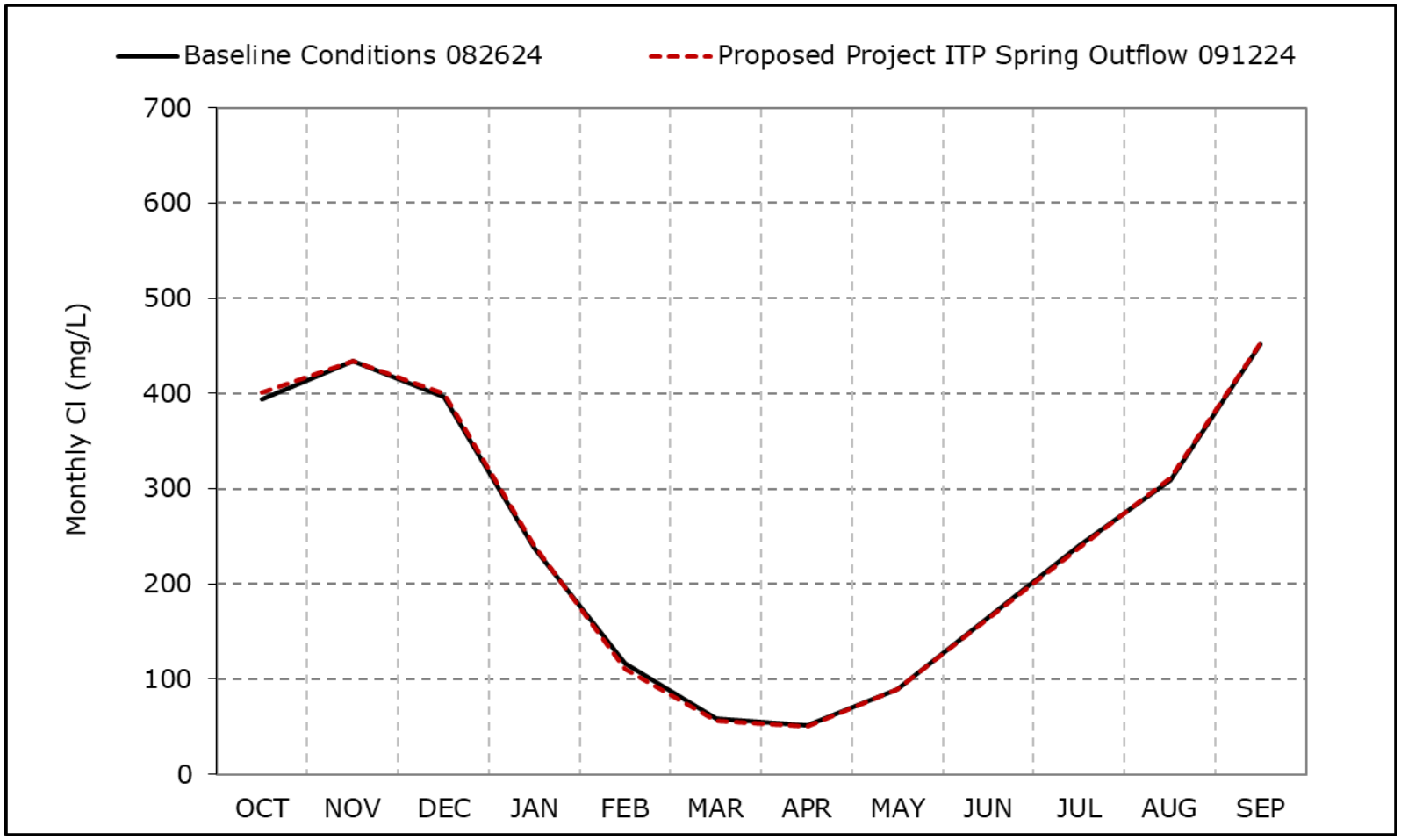
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-4e. San Joaquin River at Jersey Point Chloride, Dry Year Average Cl



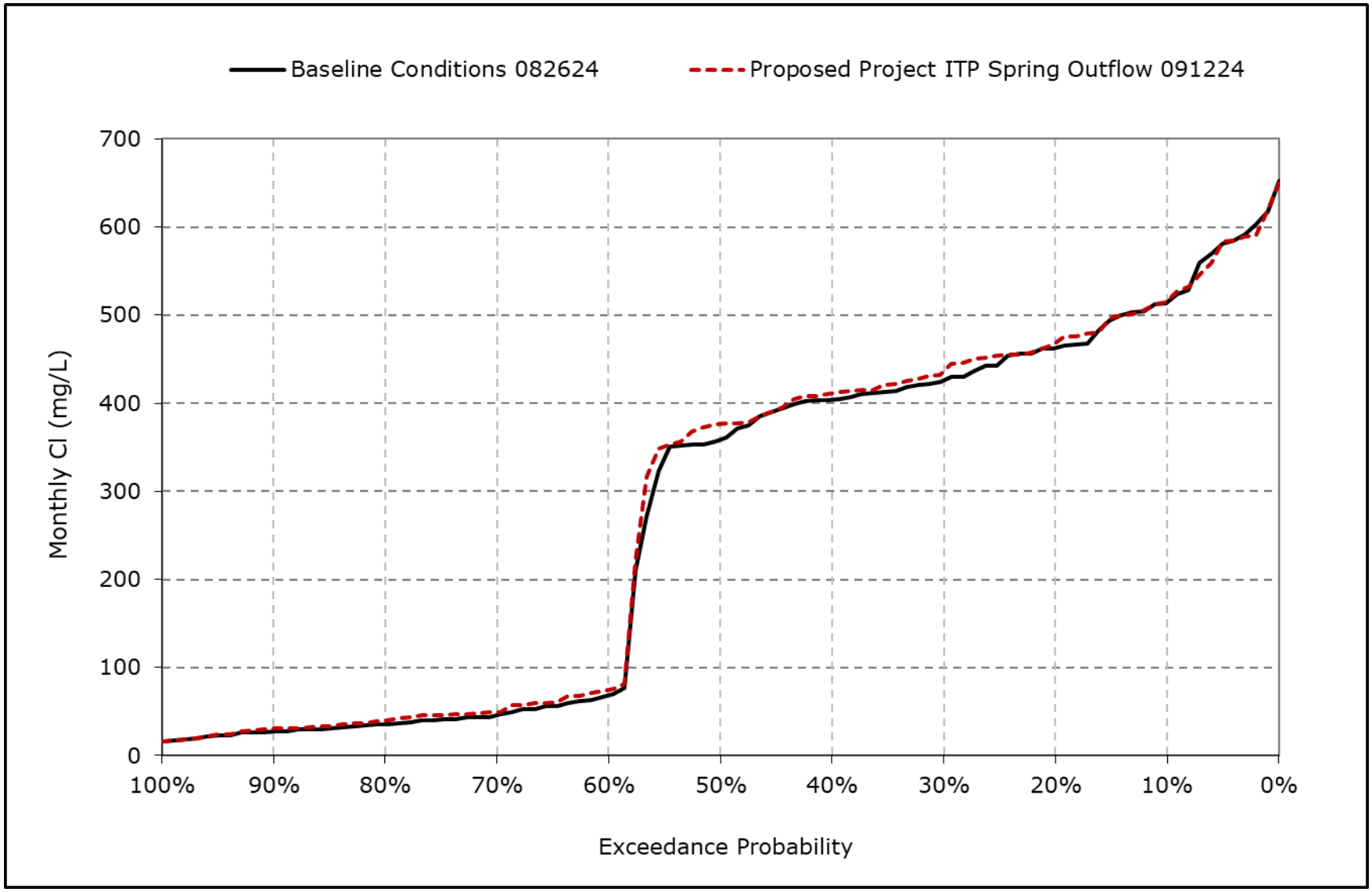
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-4f. San Joaquin River at Jersey Point Chloride, Critical Year Average Cl



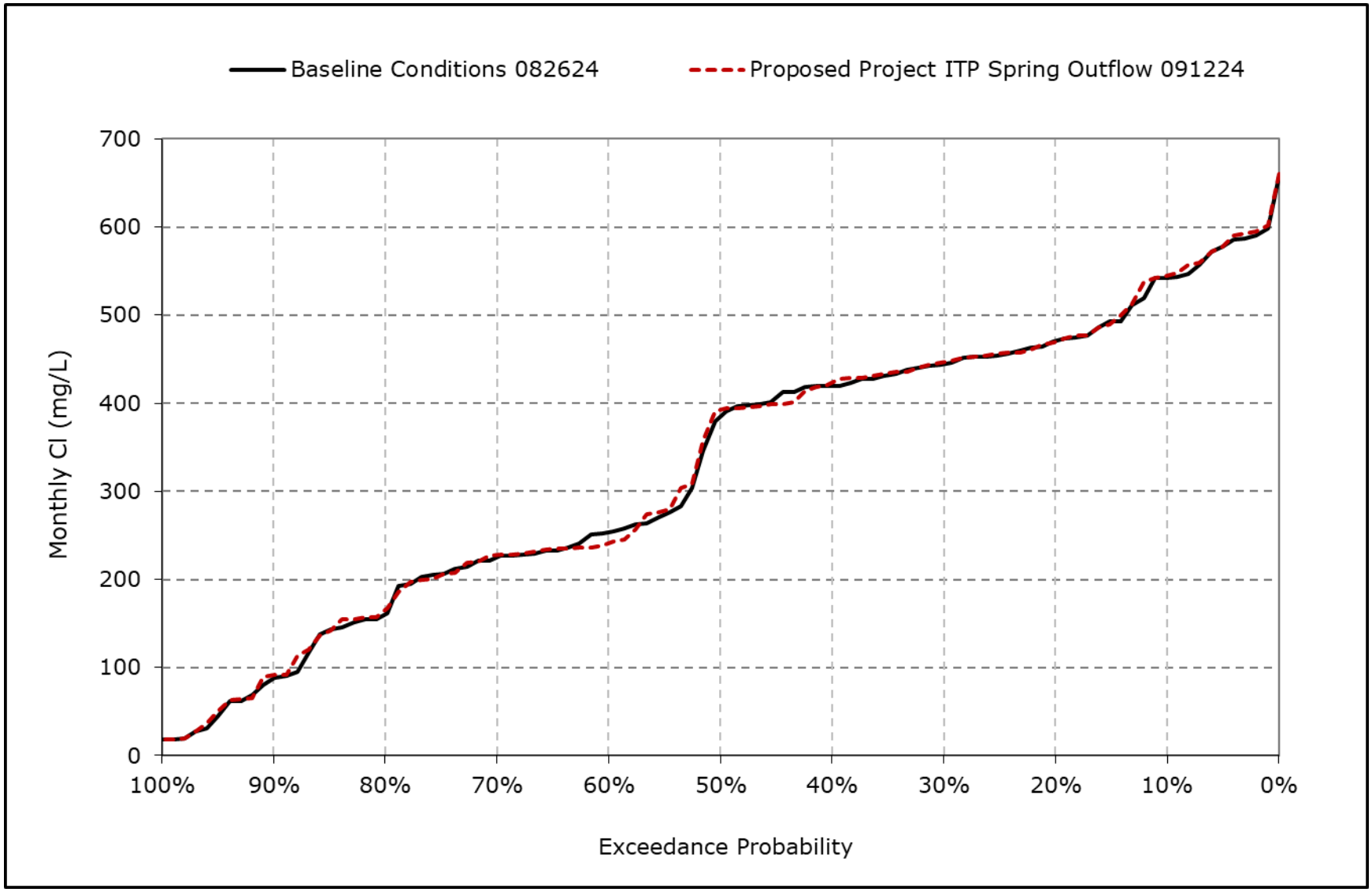
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-4g. San Joaquin River at Jersey Point Chloride, October Cl



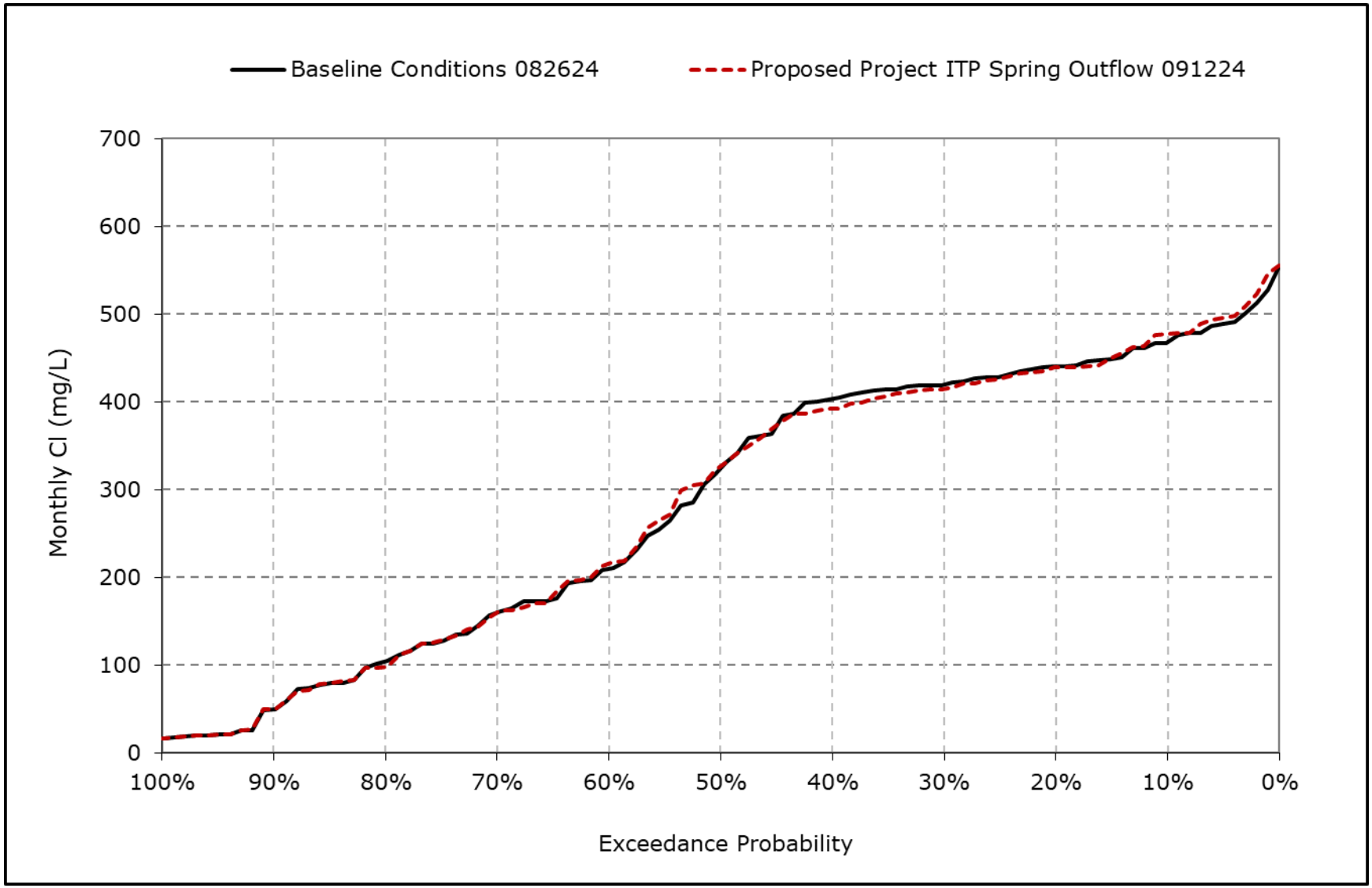
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-4h. San Joaquin River at Jersey Point Chloride, November Cl



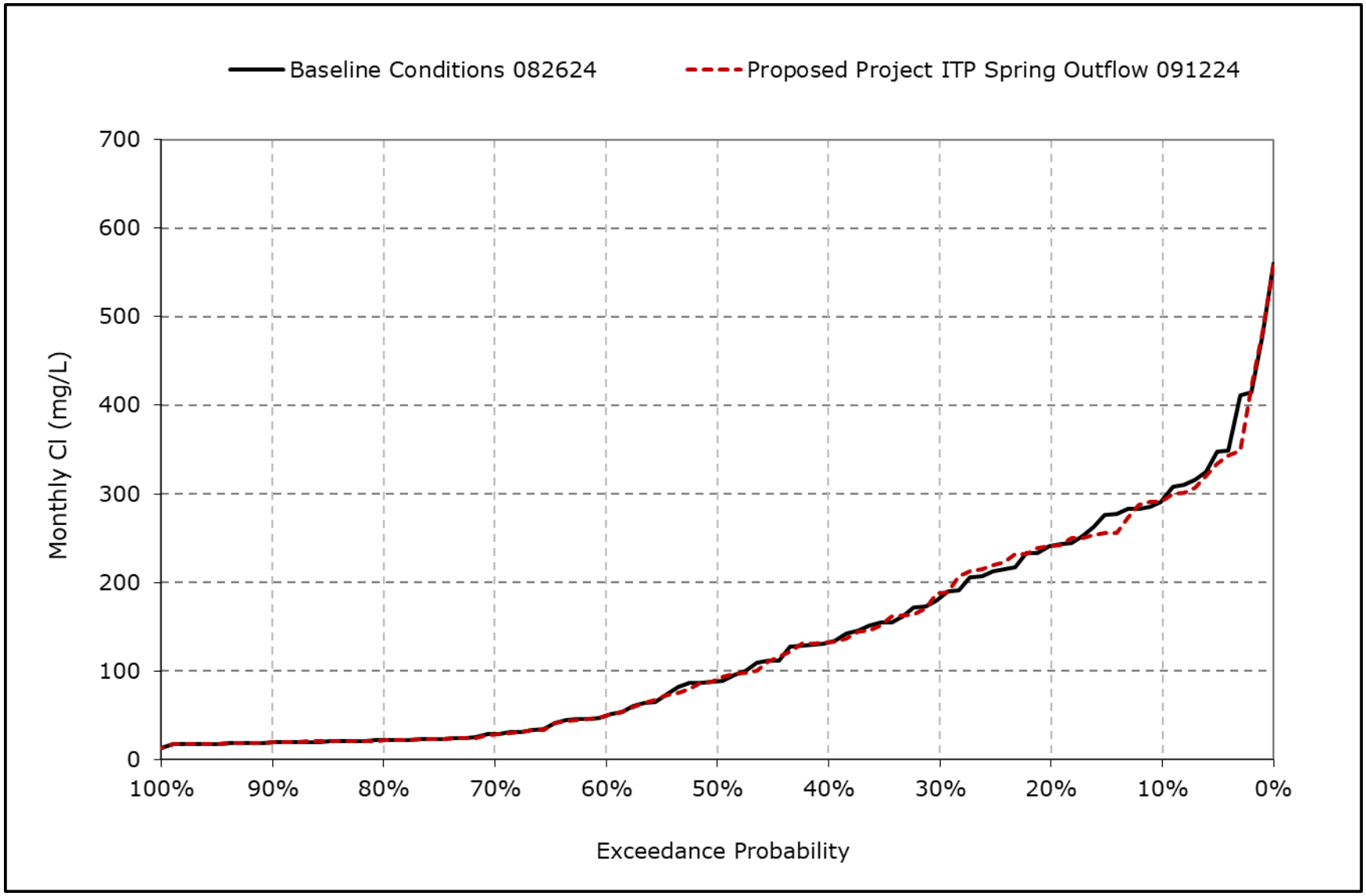
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-4i. San Joaquin River at Jersey Point Chloride, December Cl



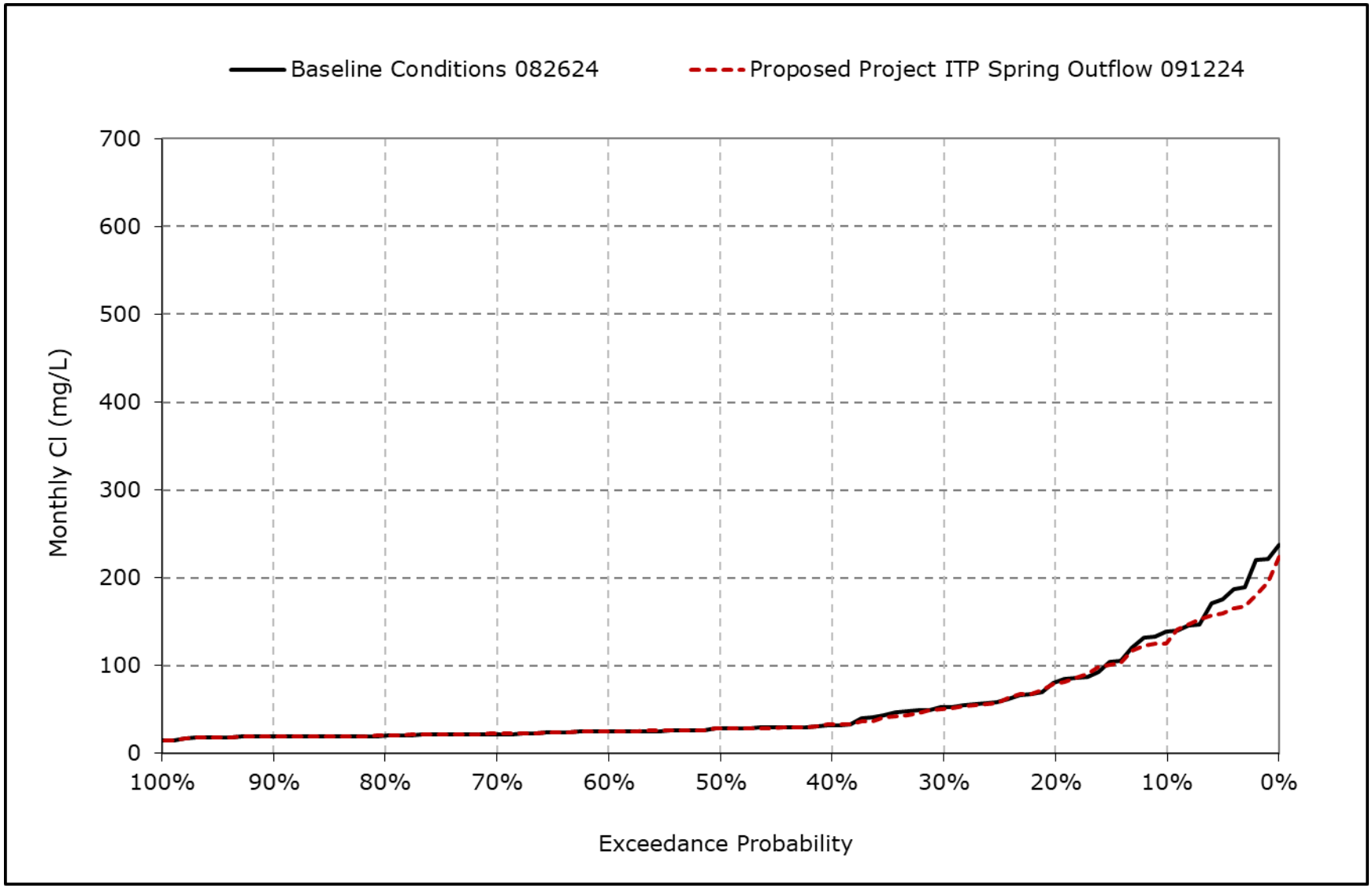
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-4j. San Joaquin River at Jersey Point Chloride, January Cl



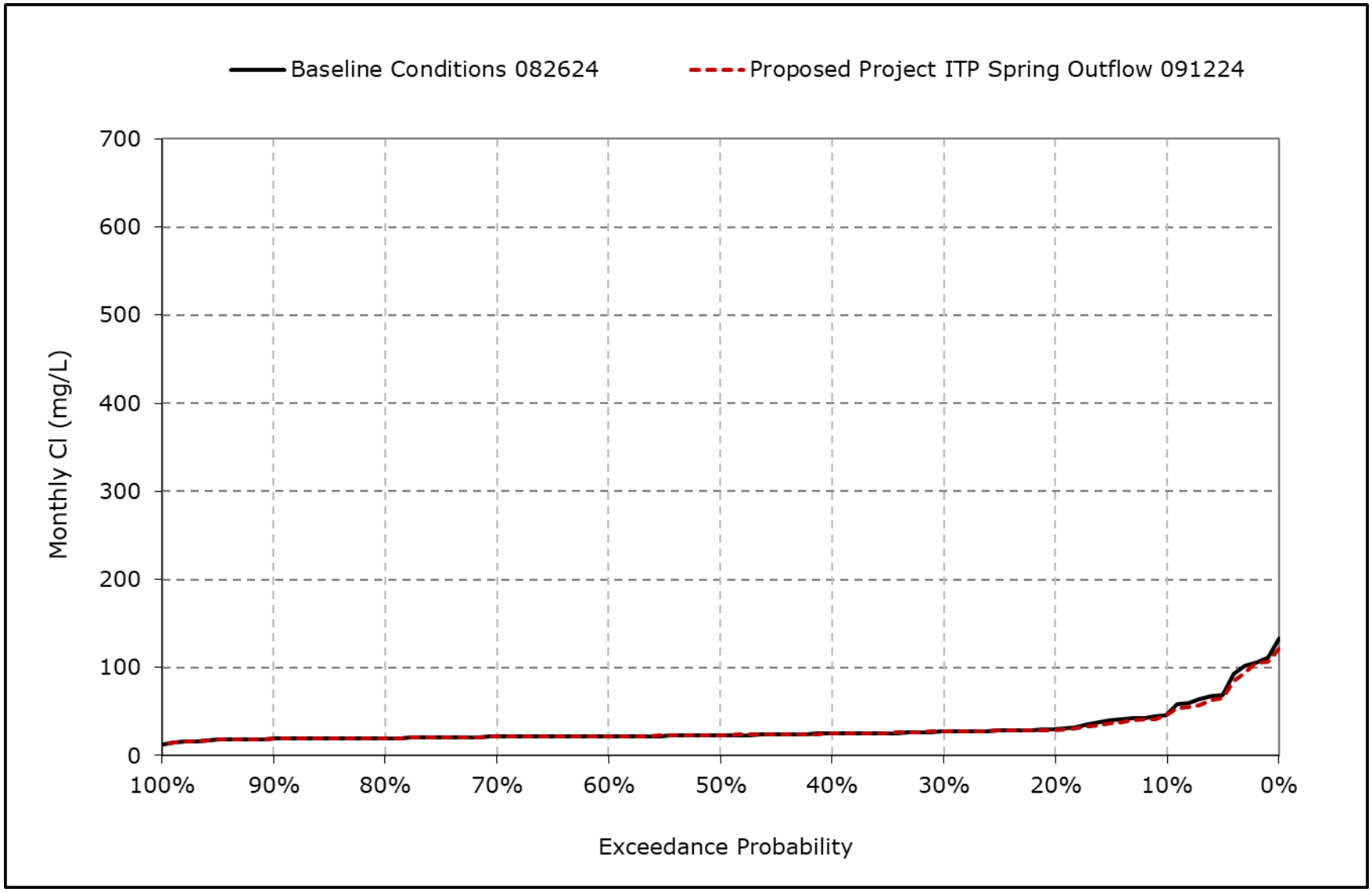
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-4k. San Joaquin River at Jersey Point Chloride, February Cl



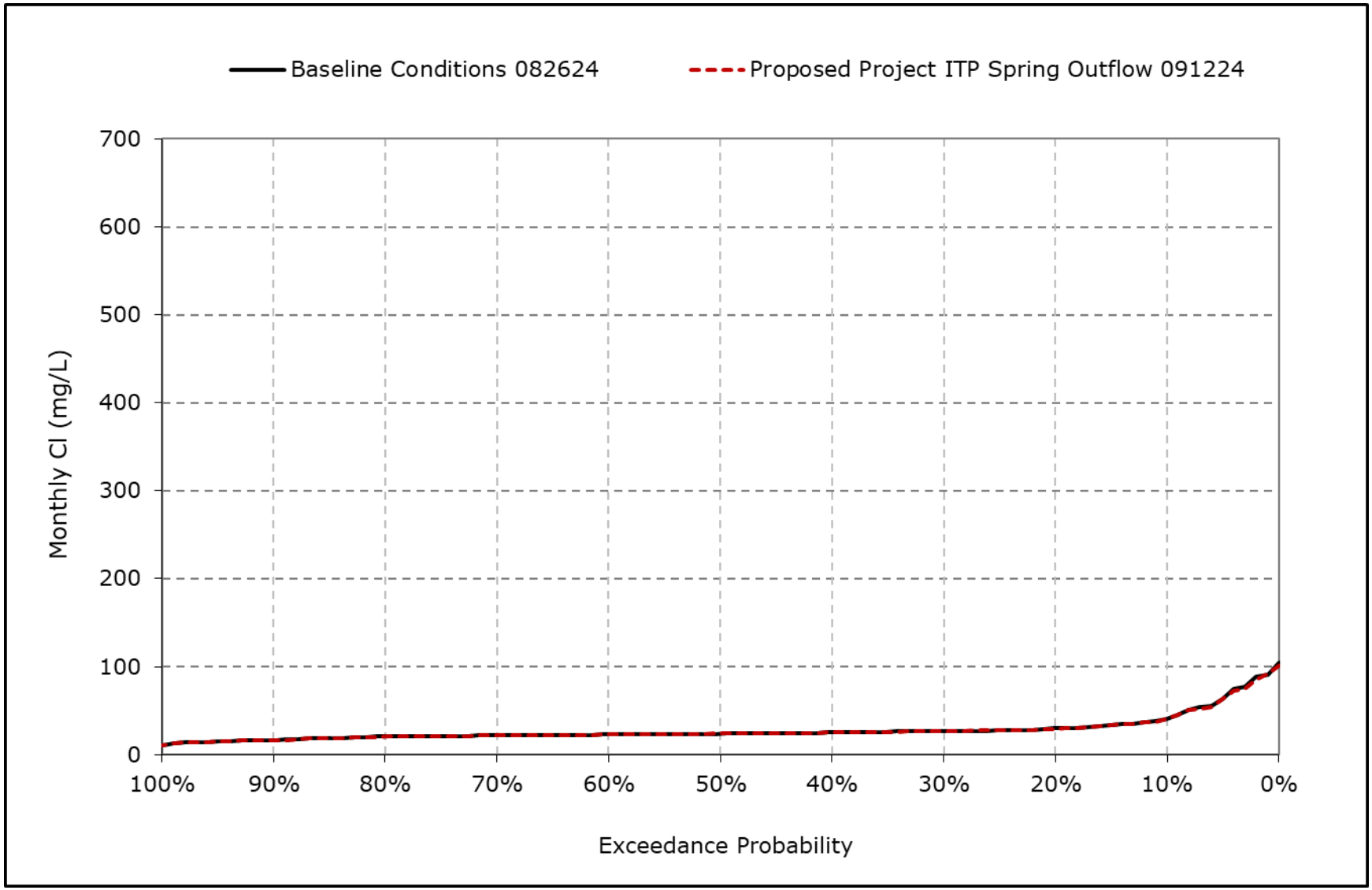
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-4l. San Joaquin River at Jersey Point Chloride, March Cl



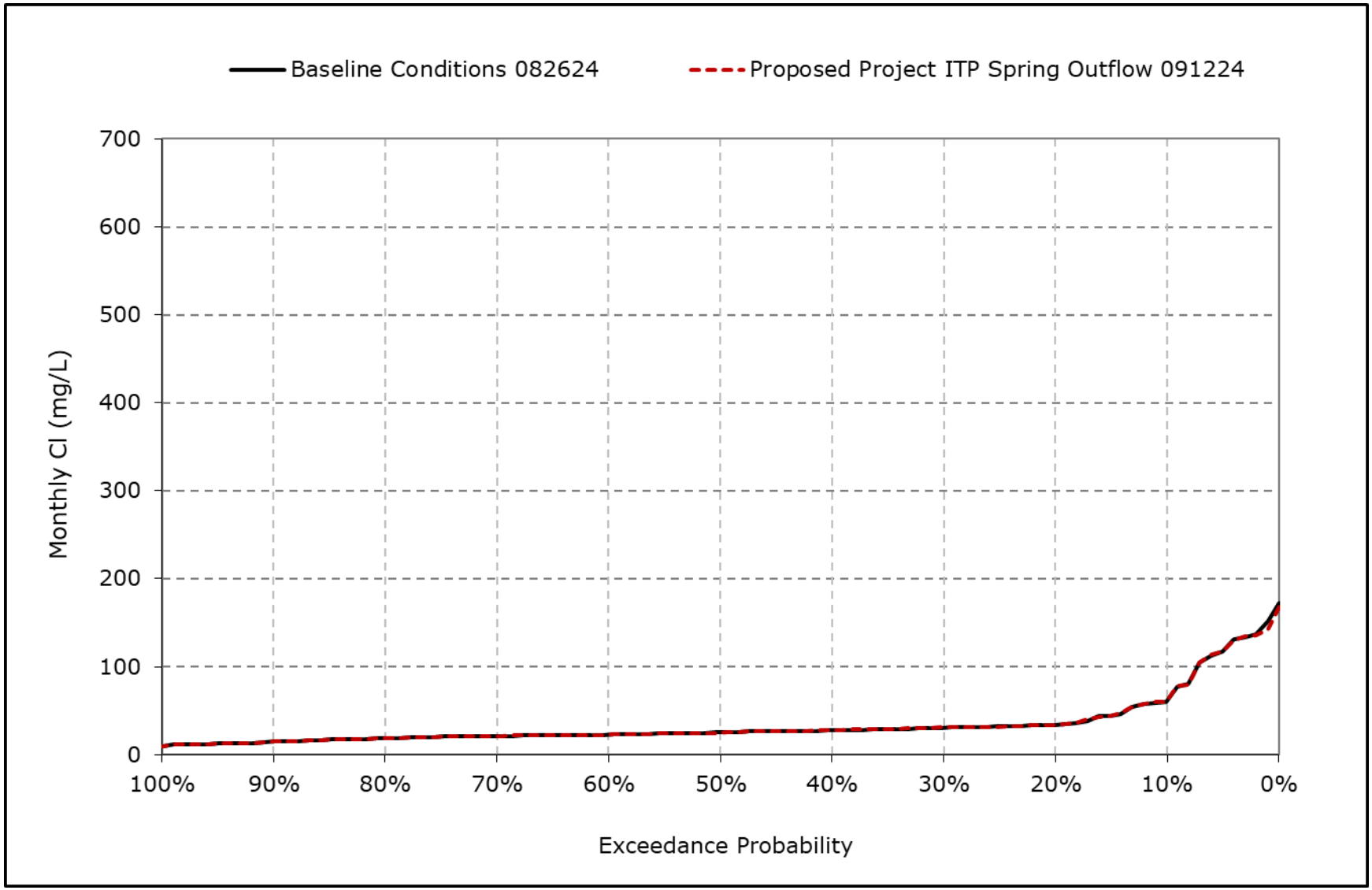
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-4m. San Joaquin River at Jersey Point Chloride, April Cl



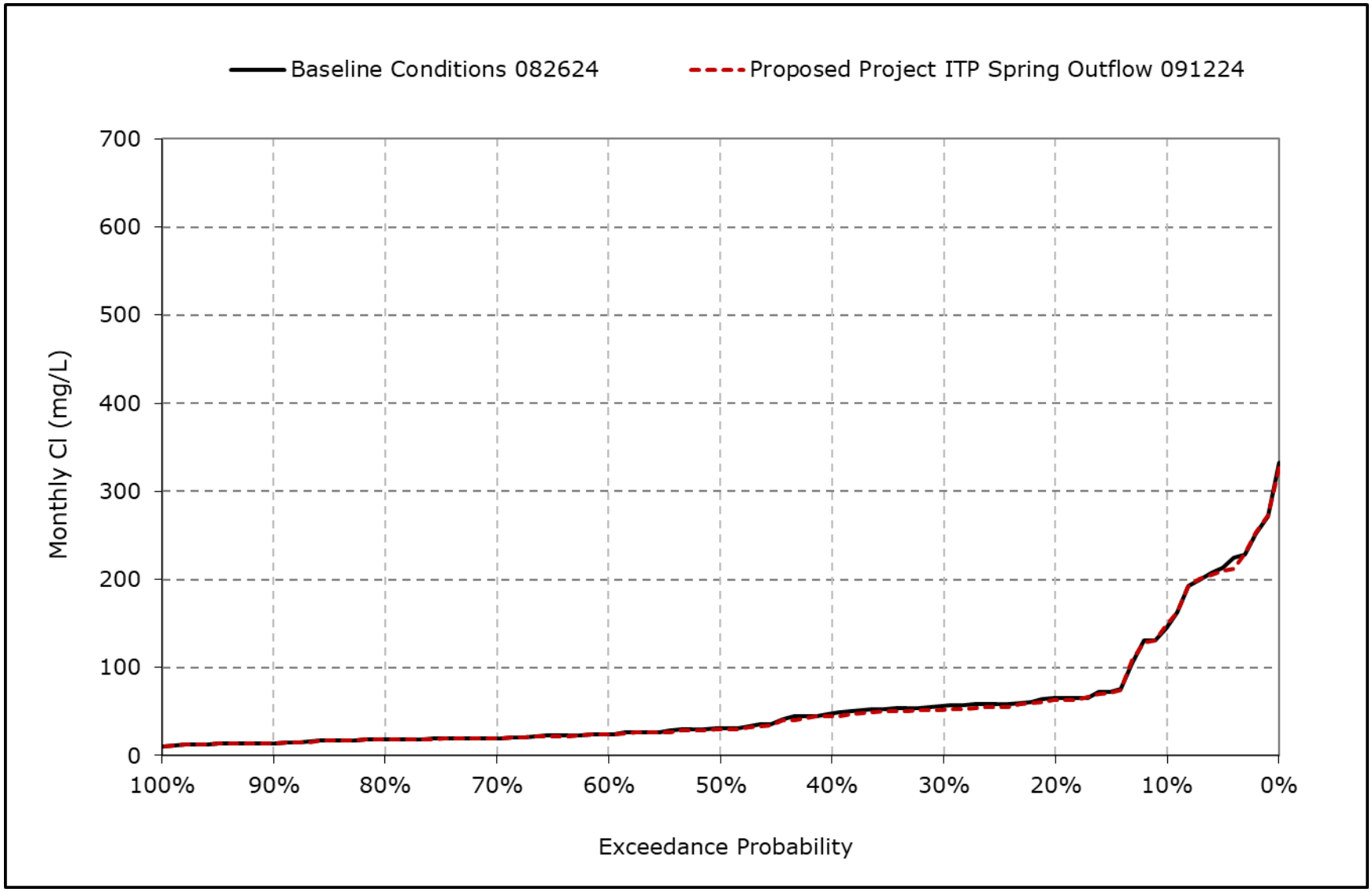
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-4n. San Joaquin River at Jersey Point Chloride, May Cl



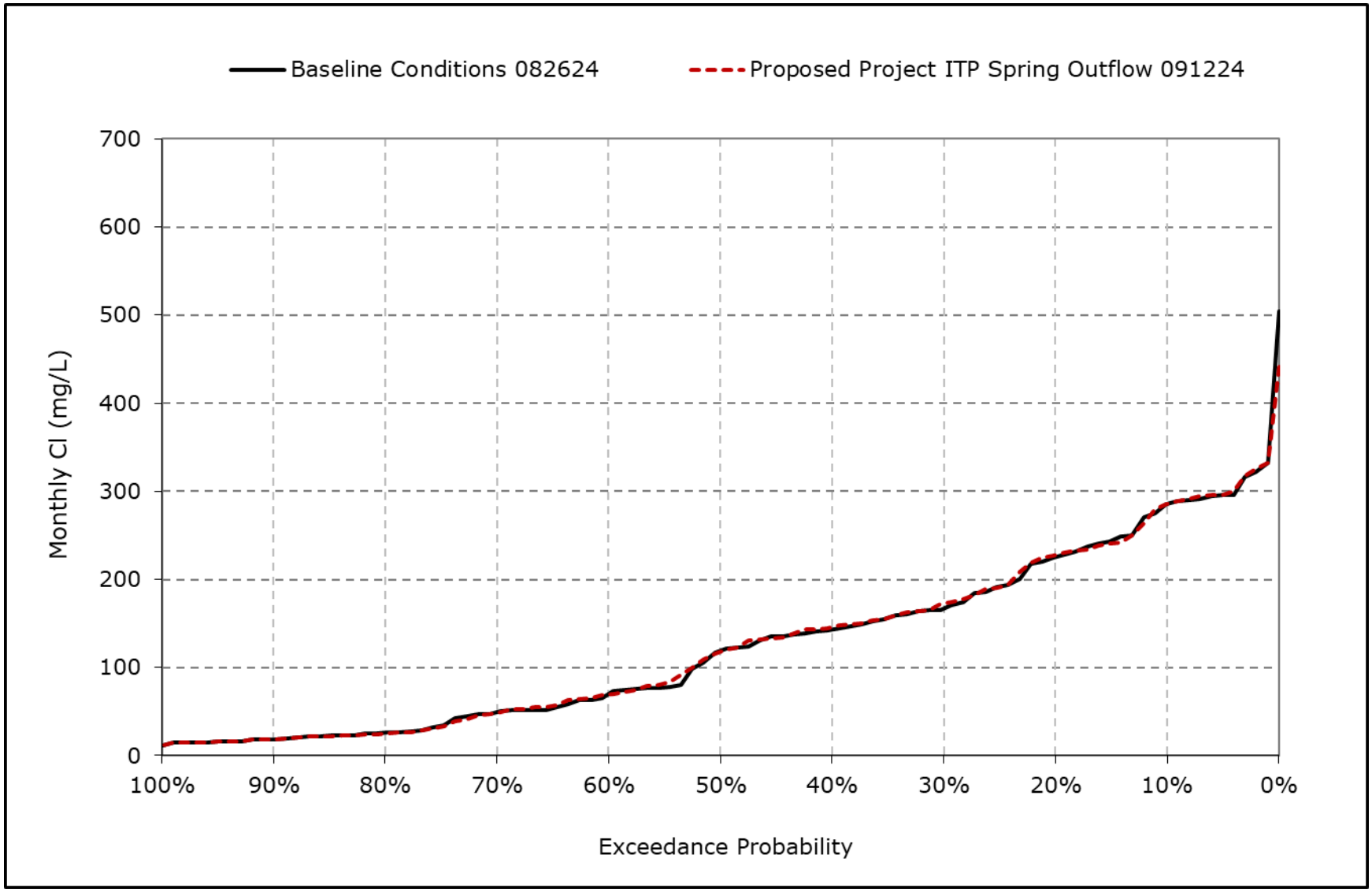
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-4o. San Joaquin River at Jersey Point Chloride, June Cl



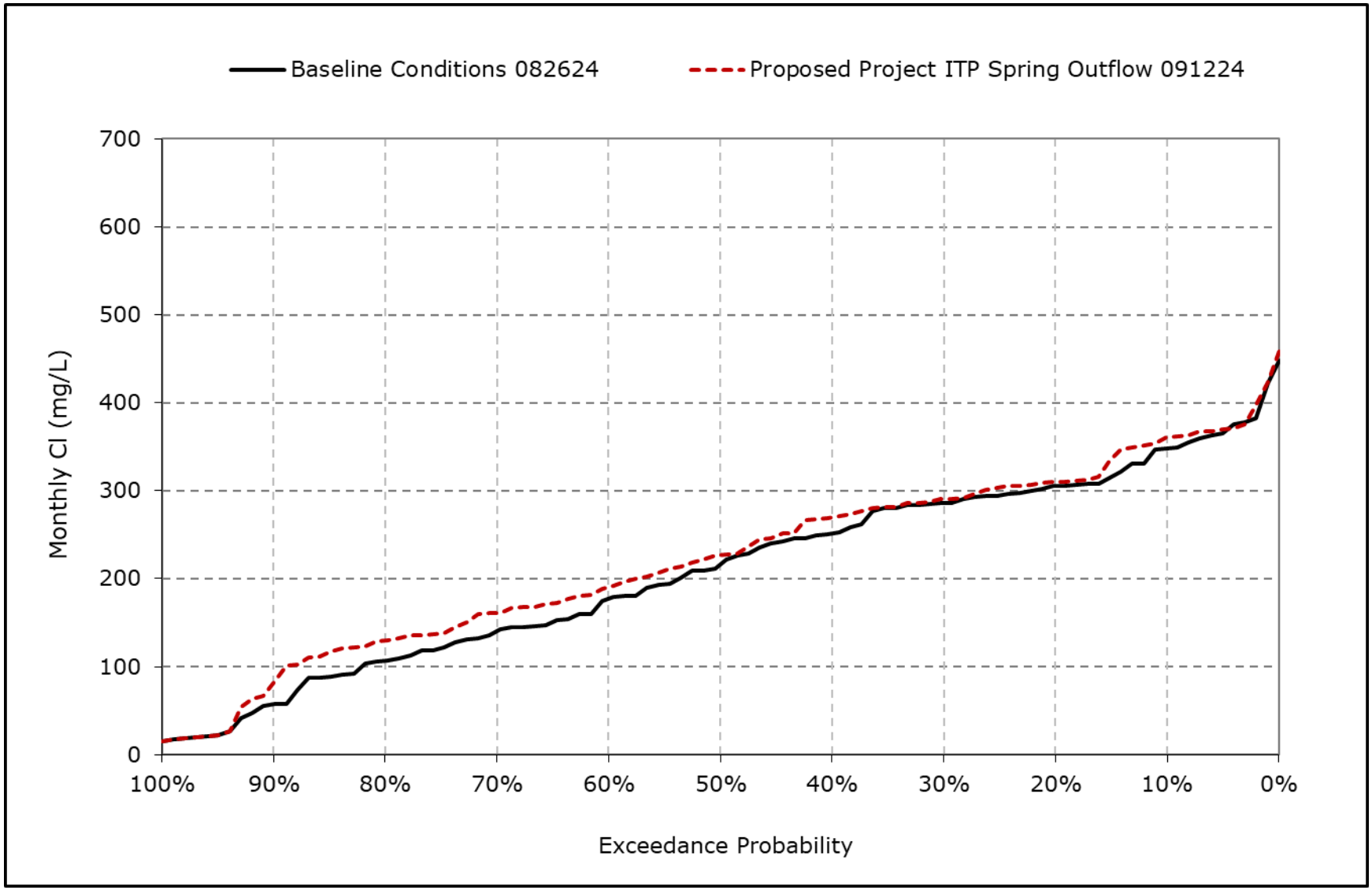
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-4p. San Joaquin River at Jersey Point Chloride, July Cl



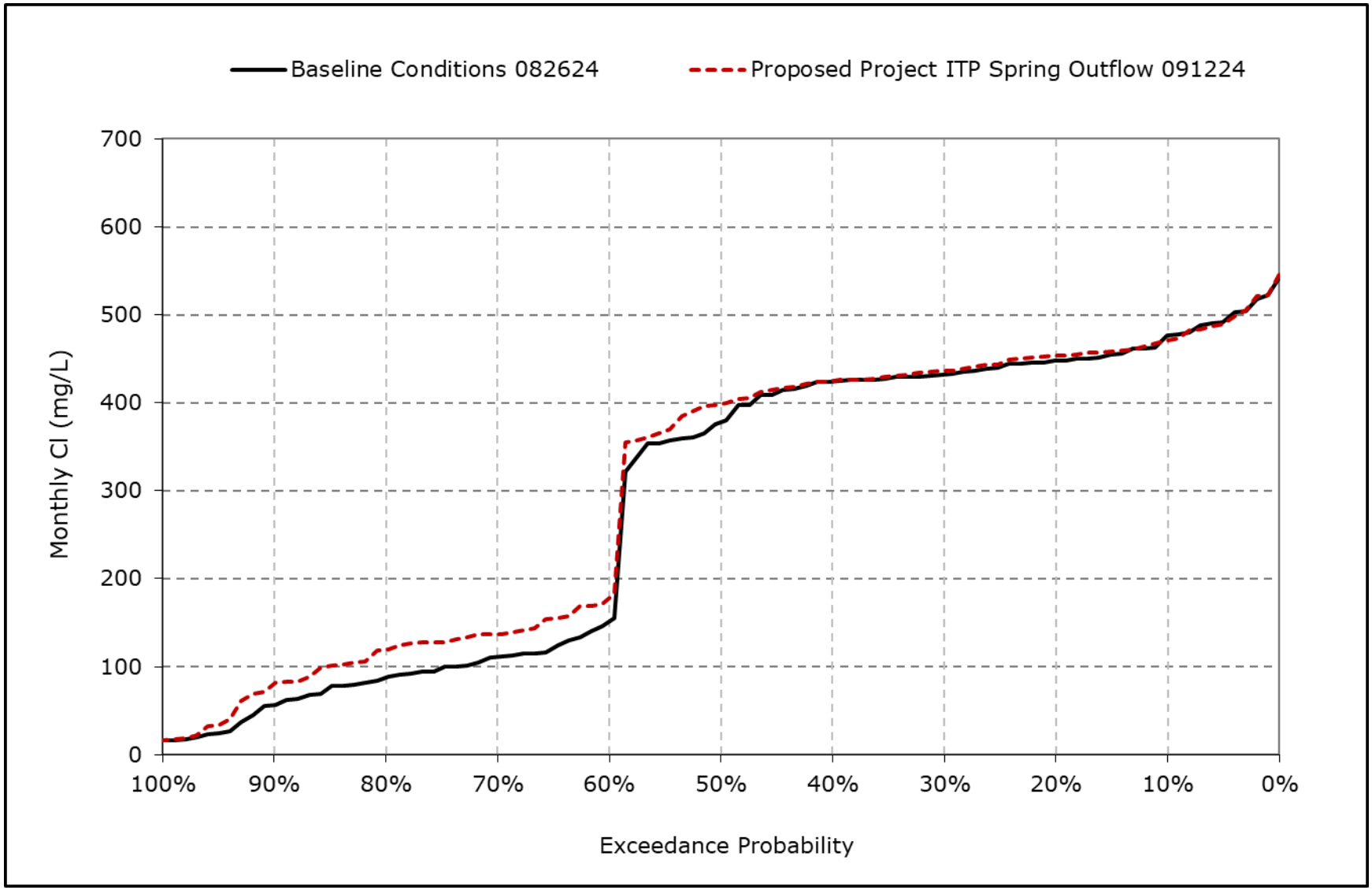
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-4q. San Joaquin River at Jersey Point Chloride, August Cl



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

Figure 4L-8-4r. San Joaquin River at Jersey Point Chloride, September Cl



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

Table 4L-8-5-1a. San Joaquin River at San Andreas Chloride, Baseline Conditions 082624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	123	118	141	91	45	26	27	27	28	37	56	77
20% Exceedance	92	99	129	77	29	23	25	25	20	29	46	73
30% Exceedance	69	82	119	66	26	22	24	24	20	24	40	66
40% Exceedance	64	76	104	46	24	21	23	23	19	23	36	62
50% Exceedance	59	70	87	31	22	20	22	22	18	22	29	55
60% Exceedance	20	41	68	25	20	19	21	20	17	18	25	24
70% Exceedance	18	34	40	20	18	18	19	18	17	17	22	20
80% Exceedance	17	28	30	18	17	17	18	16	16	16	20	20
90% Exceedance	16	23	21	16	16	16	15	14	14	15	17	17
Full Simulation Period Average[a]	57	66	83	47	26	21	21	21	20	24	34	49
Wet Water Years (32%)	49	57	53	22	17	17	17	15	15	16	19	19
Above Normal Years (9%)	59	69	80	31	21	19	21	19	17	17	21	19
Below Normal Years (20%)	52	59	94	49	24	20	23	22	19	22	35	66
Dry Water Years (21%)	52	61	97	63	31	22	23	24	19	28	44	61
Critical Water Years (18%)	83	94	108	77	43	29	27	30	32	38	54	82

Table 4L-8-5-1b. San Joaquin River at San Andreas Chloride, Proposed Project ITP Spring Outflow 091224, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	122	119	140	90	45	25	27	27	28	37	58	78
20% Exceedance	93	98	129	79	29	23	25	25	20	29	47	73
30% Exceedance	70	83	118	63	26	22	24	24	20	24	43	69
40% Exceedance	66	77	105	46	24	21	23	23	19	23	38	63
50% Exceedance	59	70	91	32	22	20	22	22	19	22	31	60
60% Exceedance	20	41	70	24	20	19	21	20	18	18	27	26
70% Exceedance	18	34	42	20	18	18	19	18	17	17	24	22
80% Exceedance	17	28	30	18	18	17	18	16	16	16	21	21
90% Exceedance	17	24	21	16	16	16	15	14	14	15	18	18
Full Simulation Period Average[a]	58	66	83	47	26	21	21	21	20	24	36	50
Wet Water Years (32%)	51	57	53	21	17	17	17	15	15	16	20	20
Above Normal Years (9%)	60	68	83	32	21	19	21	19	17	17	23	21
Below Normal Years (20%)	53	59	94	49	24	20	23	22	19	22	36	65
Dry Water Years (21%)	50	61	96	62	30	22	23	24	20	28	48	65
Critical Water Years (18%)	84	94	109	78	42	28	27	30	32	38	54	83

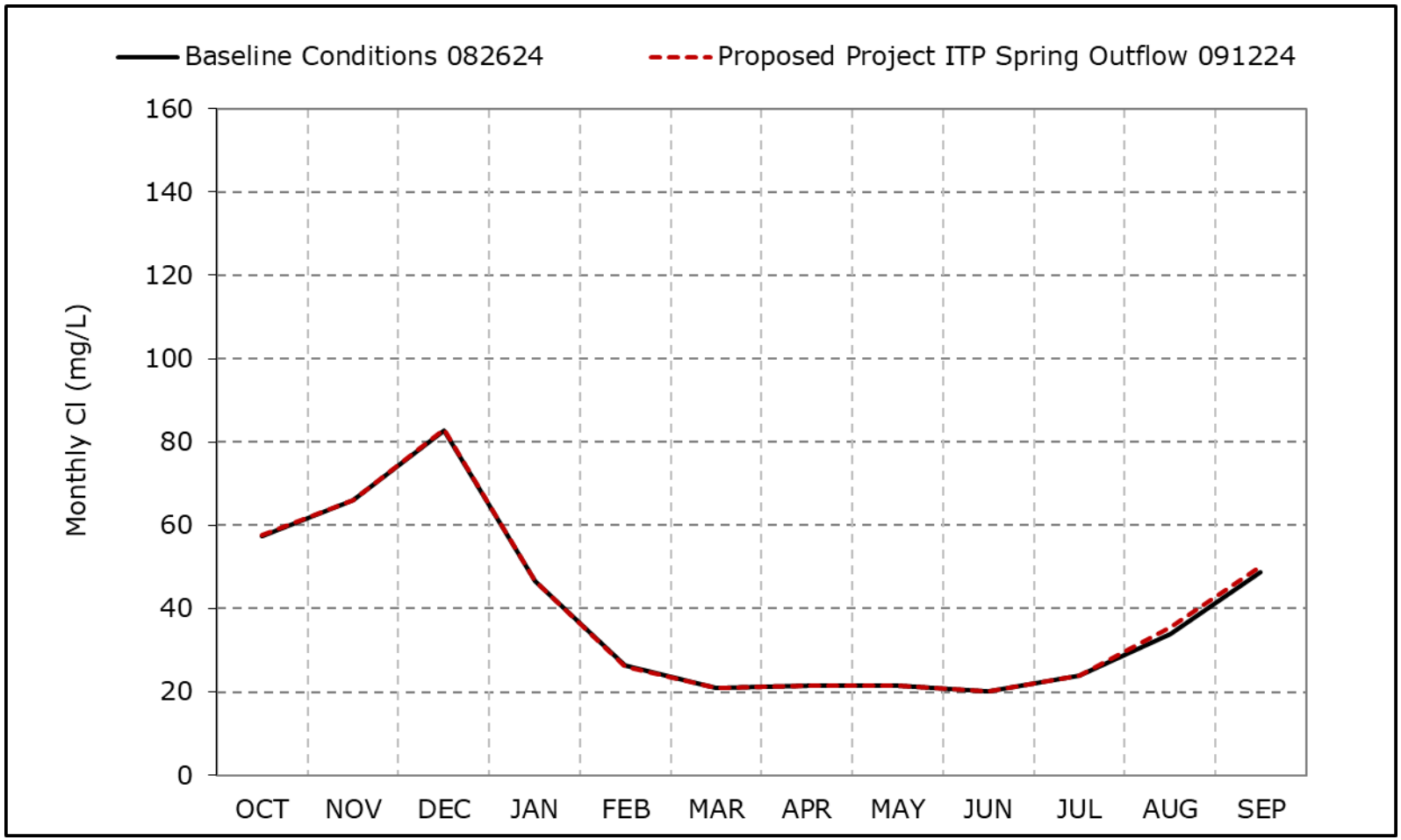
Table 4L-8-5-1c. San Joaquin River at San Andreas Chloride, Proposed Project ITP Spring Outflow 091224 minus Baseline Conditions 082624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1	0	-1	-1	0	-1	0	0	0	0	2	2
20% Exceedance	0	-1	0	1	0	0	0	0	0	0	1	0
30% Exceedance	0	1	-1	-3	0	0	0	0	0	0	3	2
40% Exceedance	2	1	1	0	0	0	0	0	0	0	1	1
50% Exceedance	1	0	4	1	0	0	0	0	0	0	2	4
60% Exceedance	1	1	3	0	0	0	0	0	0	0	2	2
70% Exceedance	0	0	2	0	0	0	0	0	0	0	1	2
80% Exceedance	0	1	0	0	0	0	0	0	0	0	1	2
90% Exceedance	0	0	0	0	0	0	0	0	0	0	1	1
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	2	1
Wet Water Years (32%)	1	0	0	0	0	0	0	0	0	0	1	2
Above Normal Years (9%)	1	0	3	1	0	0	0	0	0	0	2	1
Below Normal Years (20%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (21%)	-2	0	0	-2	-1	0	0	0	0	0	4	4
Critical Water Years (18%)	1	0	1	1	-1	0	0	0	0	-1	1	1

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

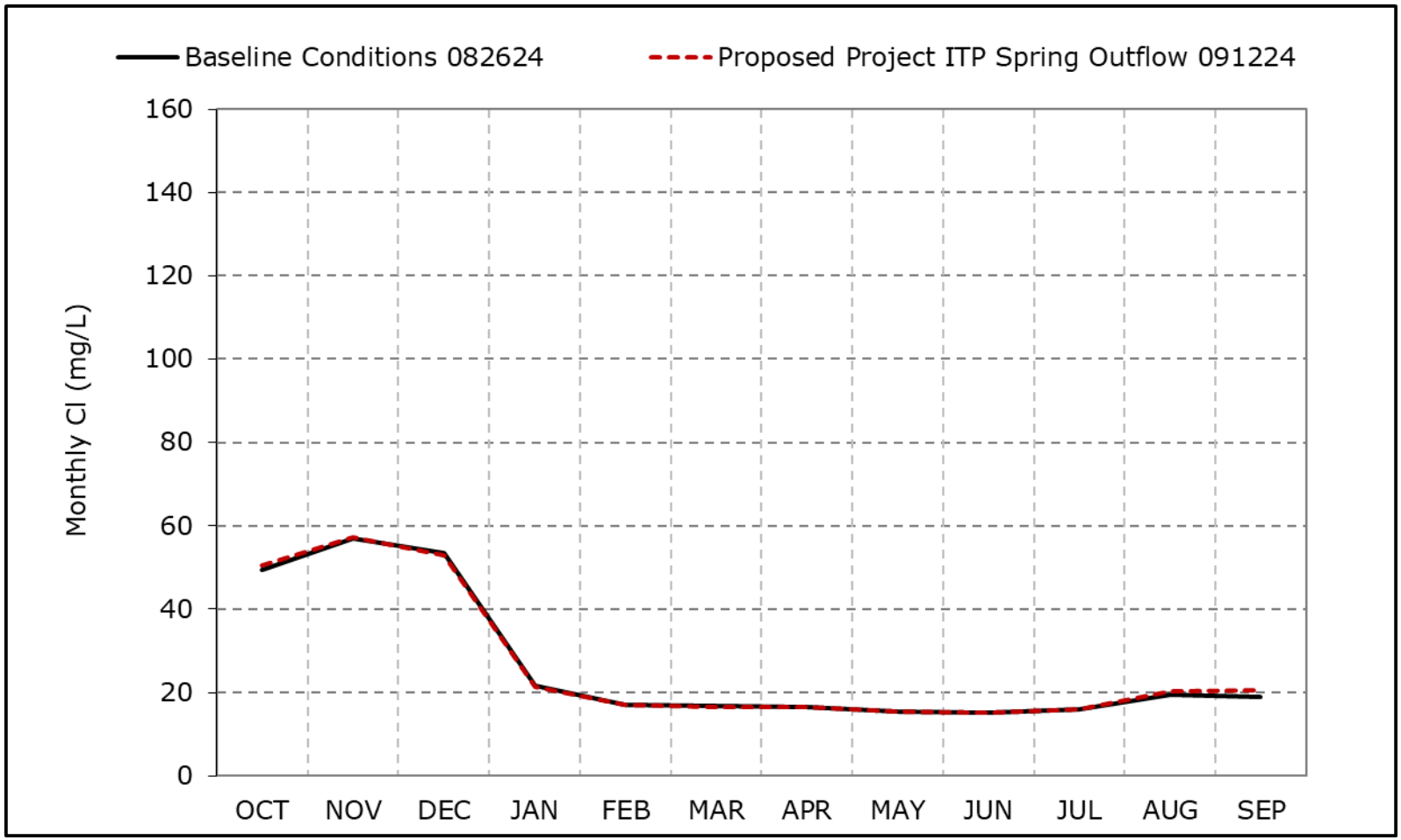
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4L-8-5a. San Joaquin River at San Andreas Chloride, Long-Term Average Cl



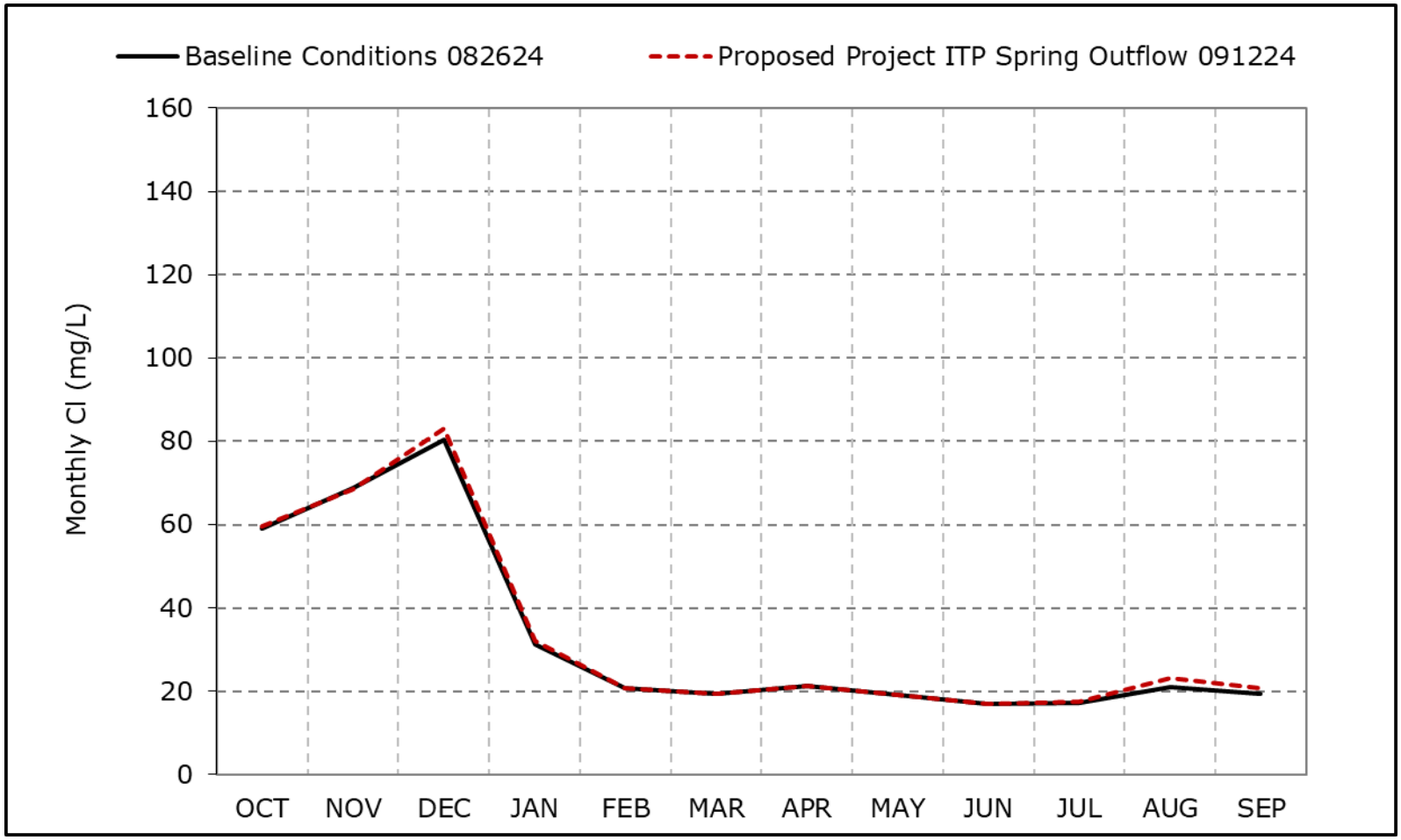
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-5b. San Joaquin River at San Andreas Chloride, Wet Year Average Cl



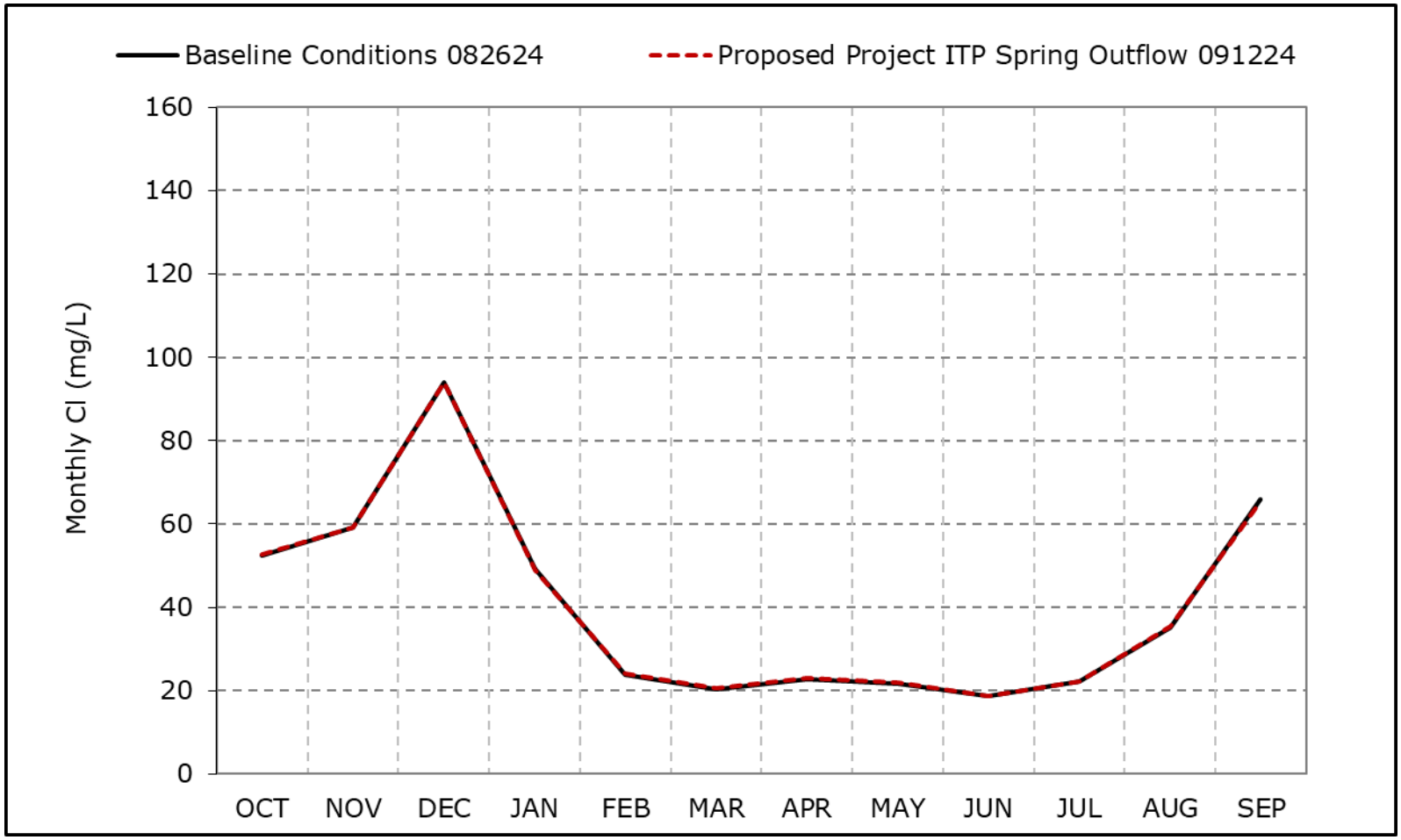
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-5c. San Joaquin River at San Andreas Chloride, Above Normal Year Average Cl



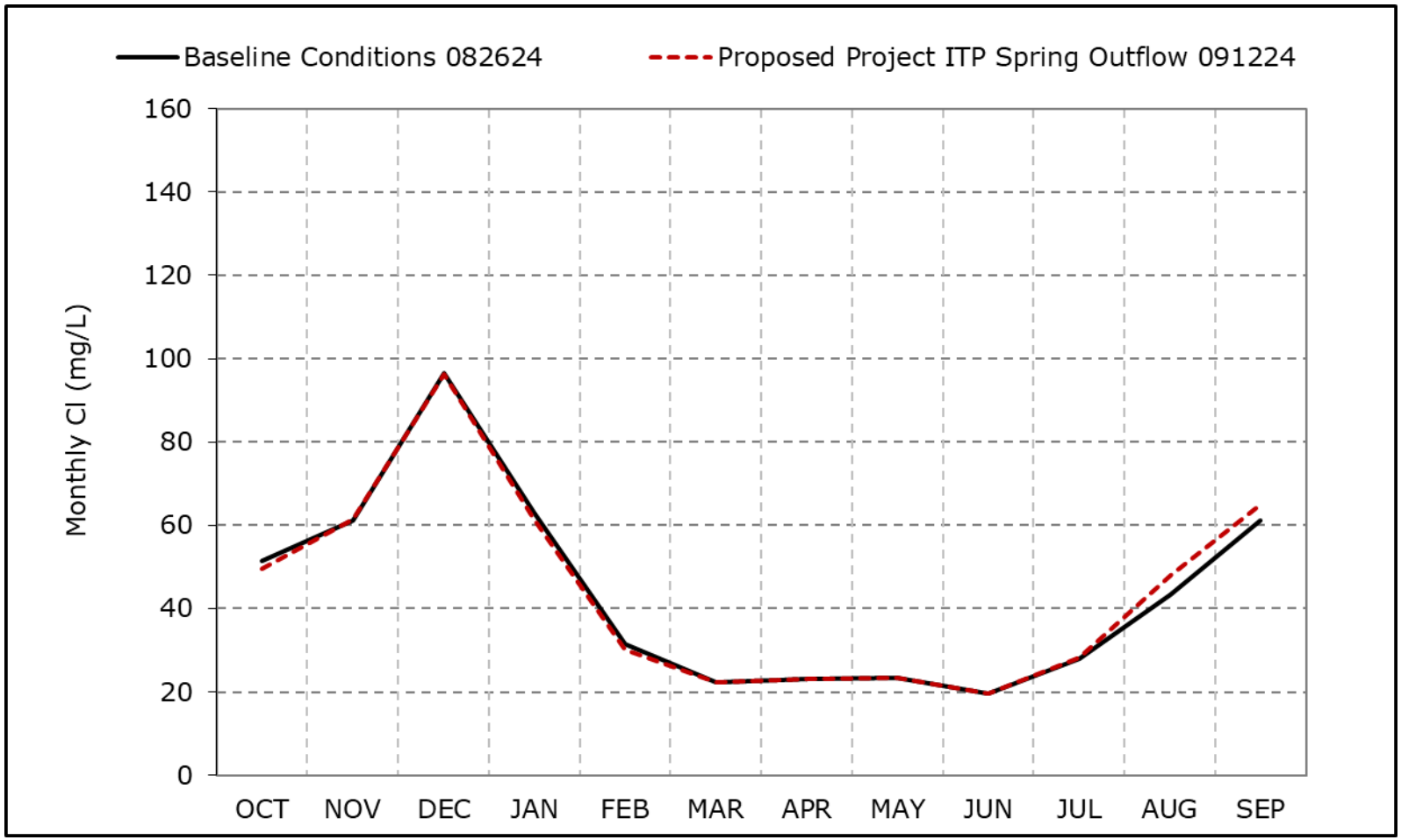
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-5d. San Joaquin River at San Andreas Chloride, Below Normal Year Average Cl



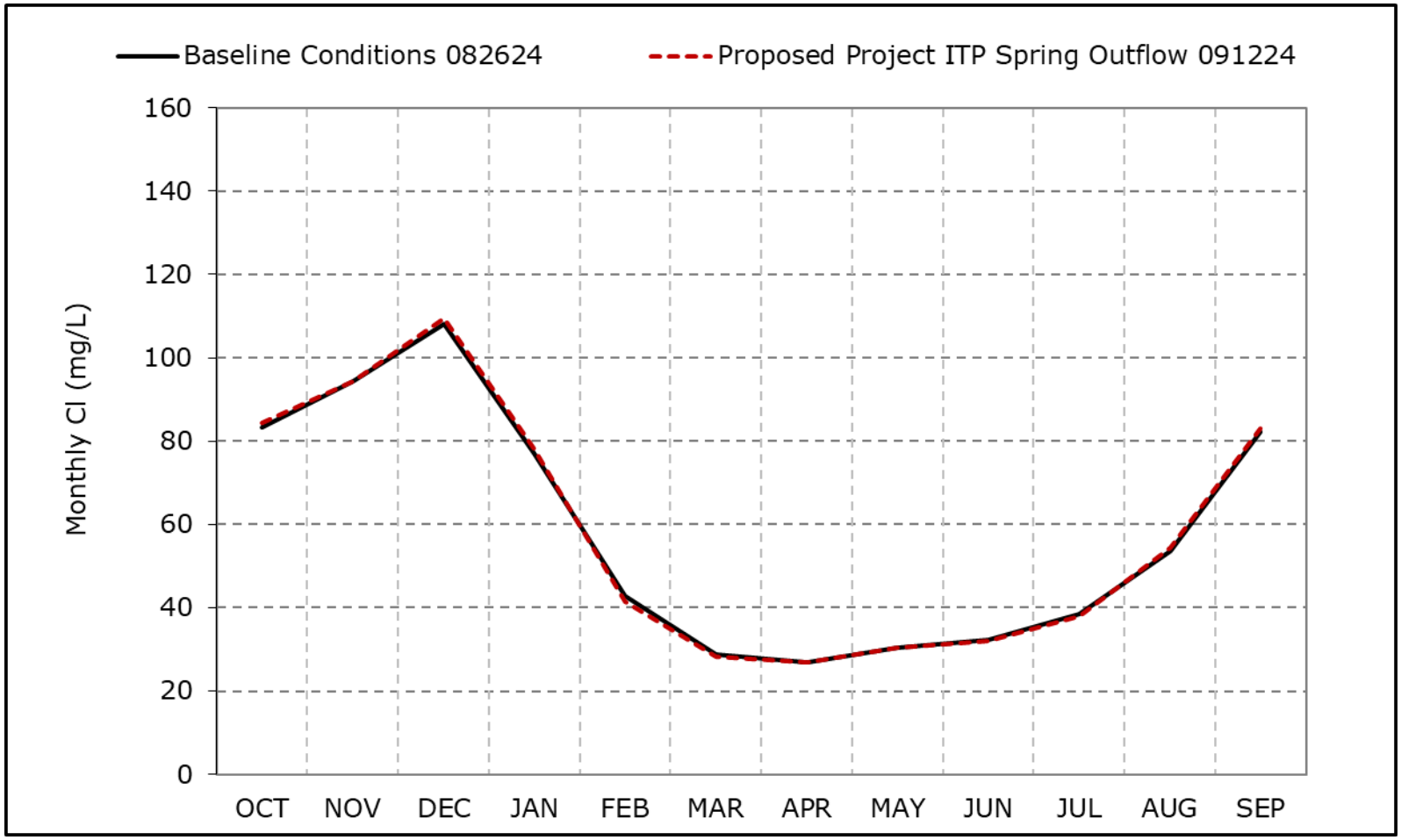
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-5e. San Joaquin River at San Andreas Chloride, Dry Year Average Cl



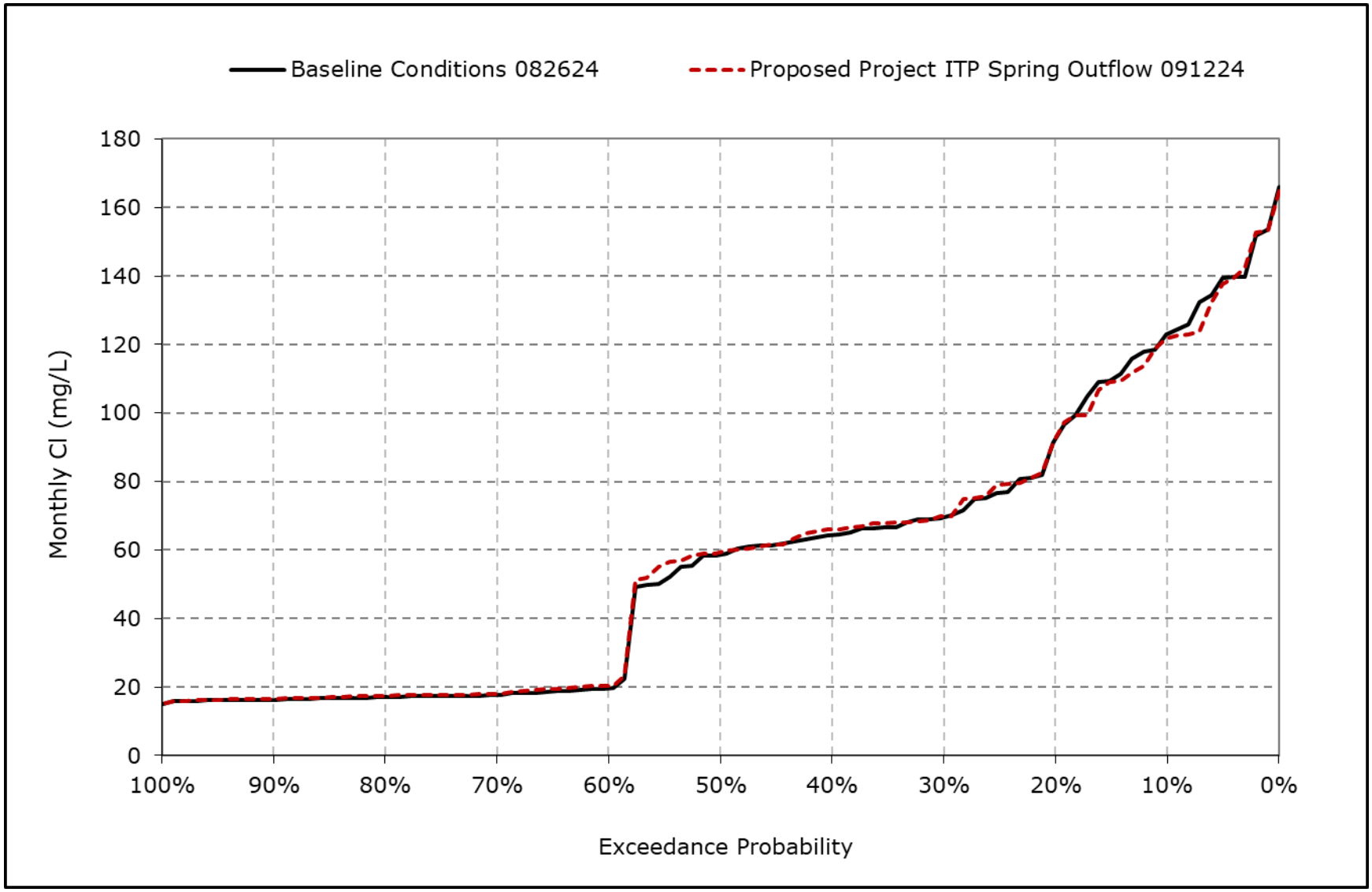
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-5f. San Joaquin River at San Andreas Chloride, Critical Year Average Cl



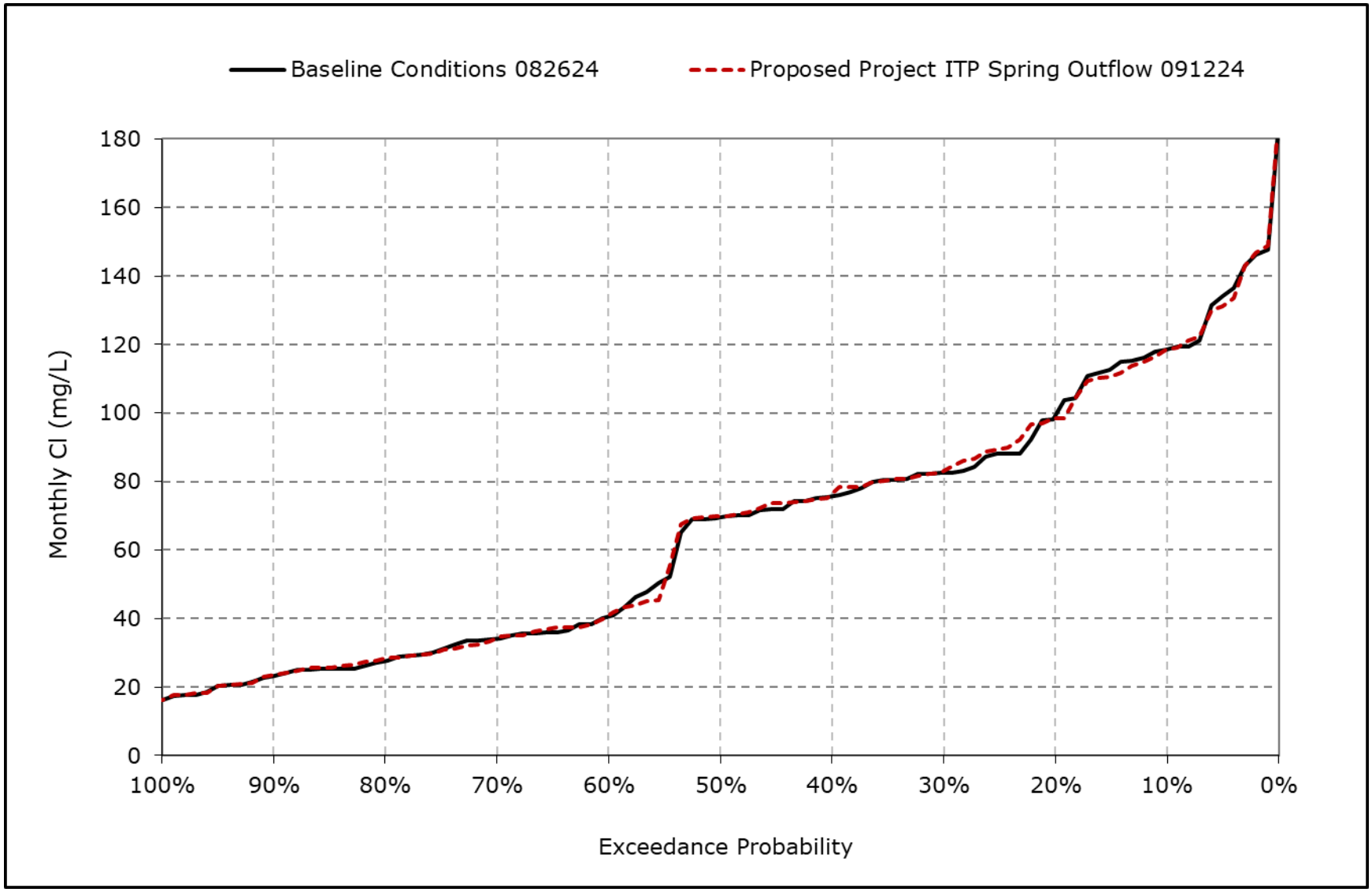
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-5g. San Joaquin River at San Andreas Chloride, October Cl



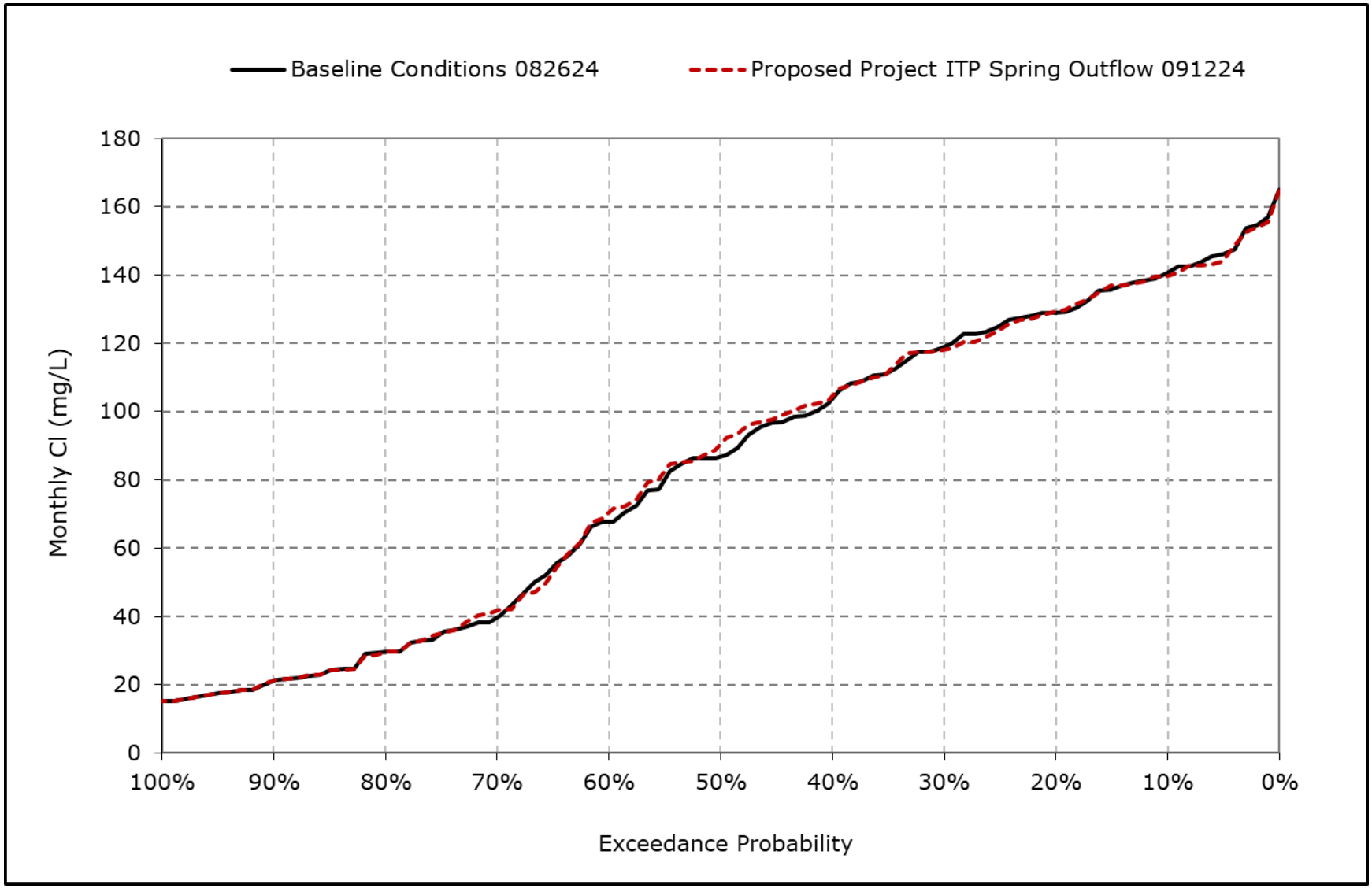
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-5h. San Joaquin River at San Andreas Chloride, November Cl



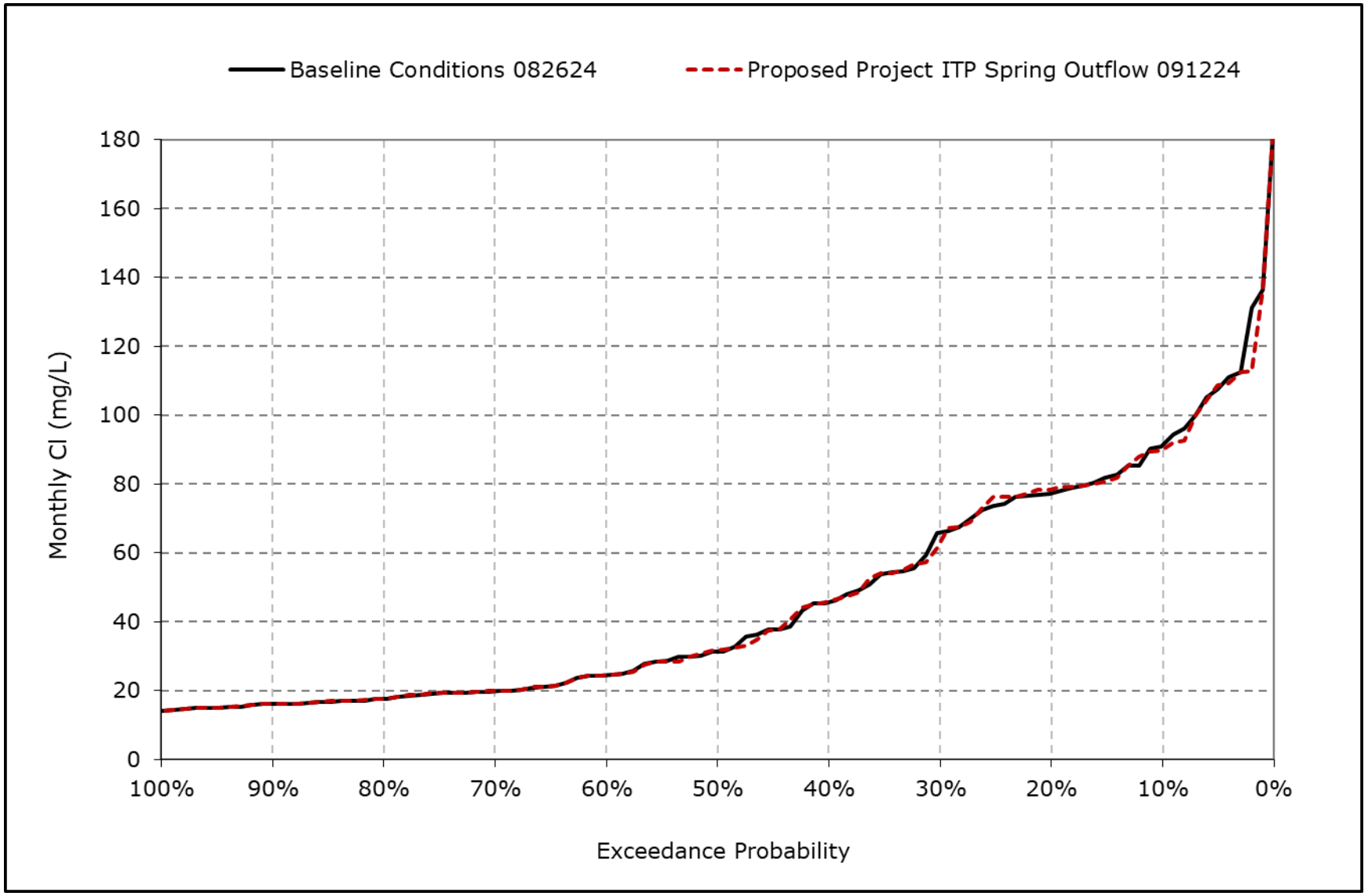
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-5i. San Joaquin River at San Andreas Chloride, December Cl



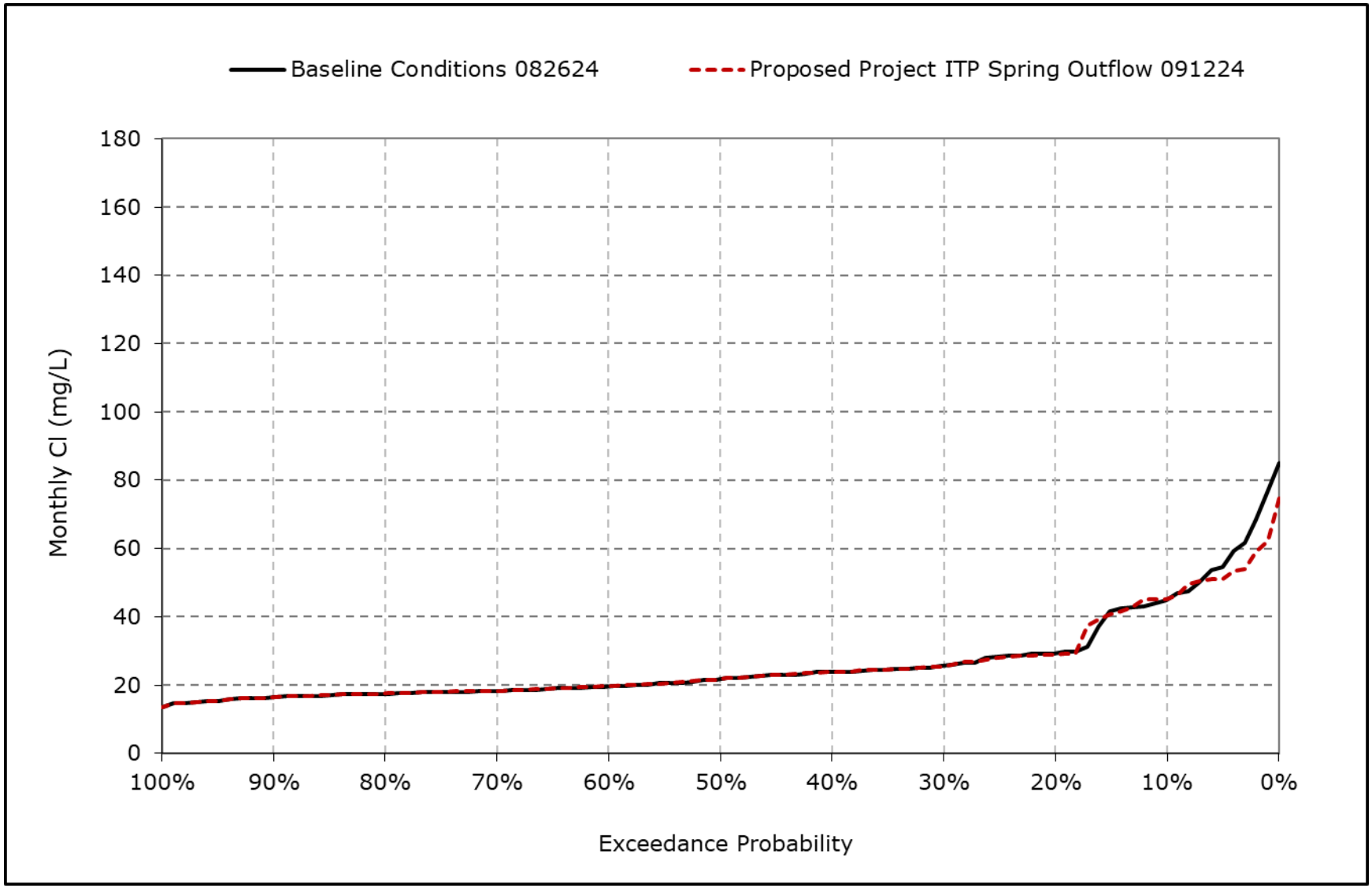
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-5j. San Joaquin River at San Andreas Chloride, January Cl



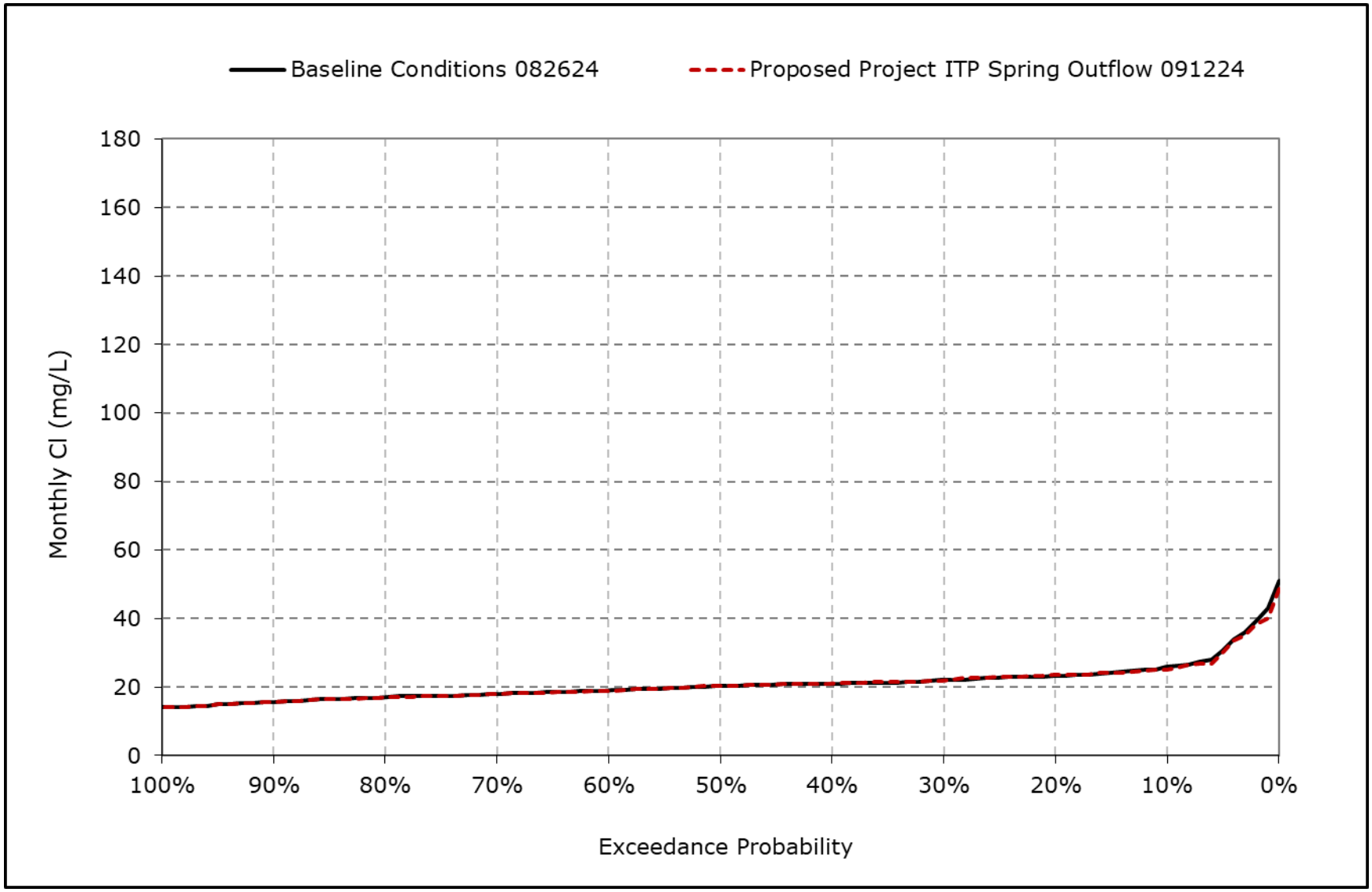
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-5k. San Joaquin River at San Andreas Chloride, February Cl



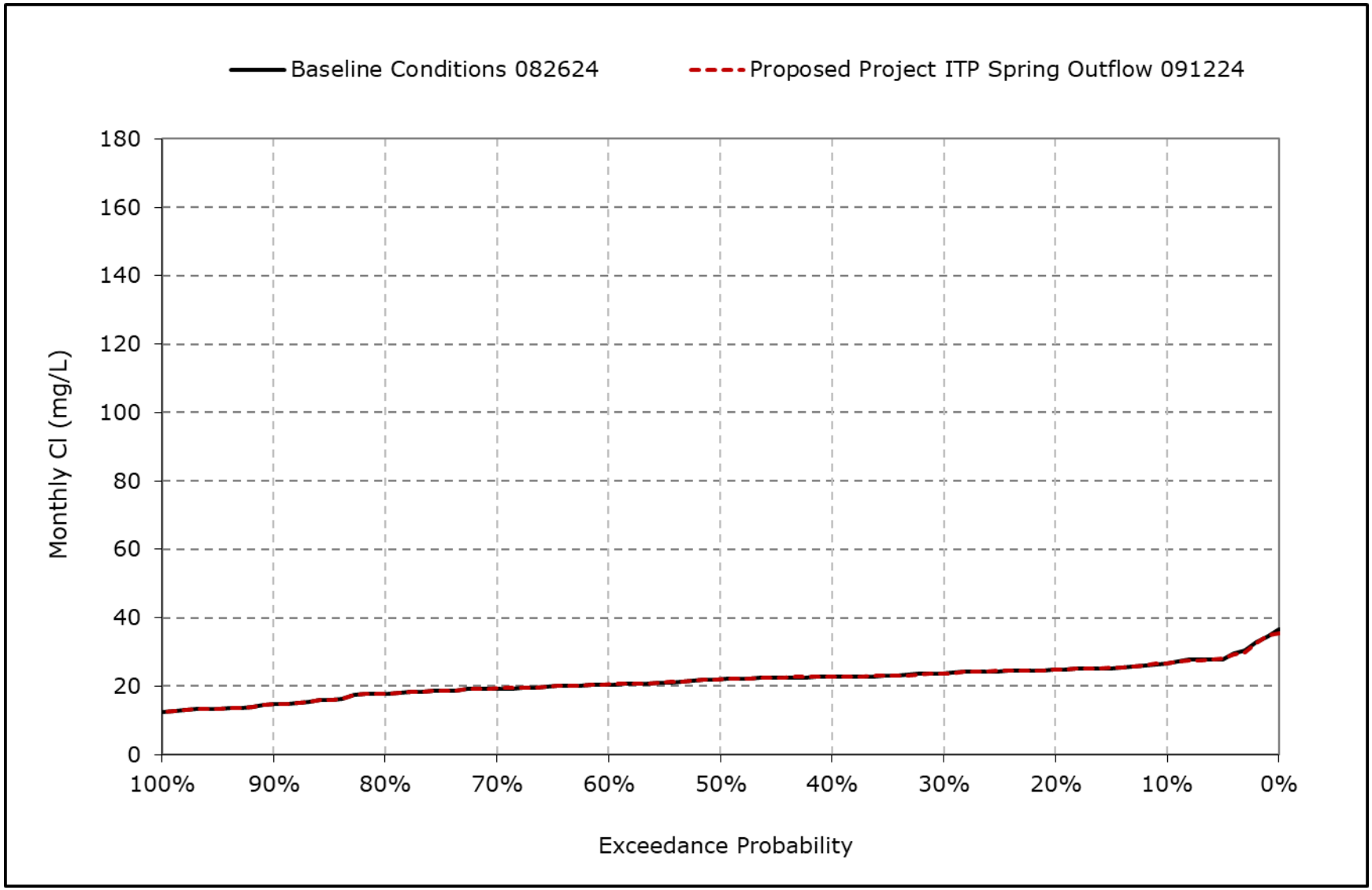
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-5l. San Joaquin River at San Andreas Chloride, March Cl



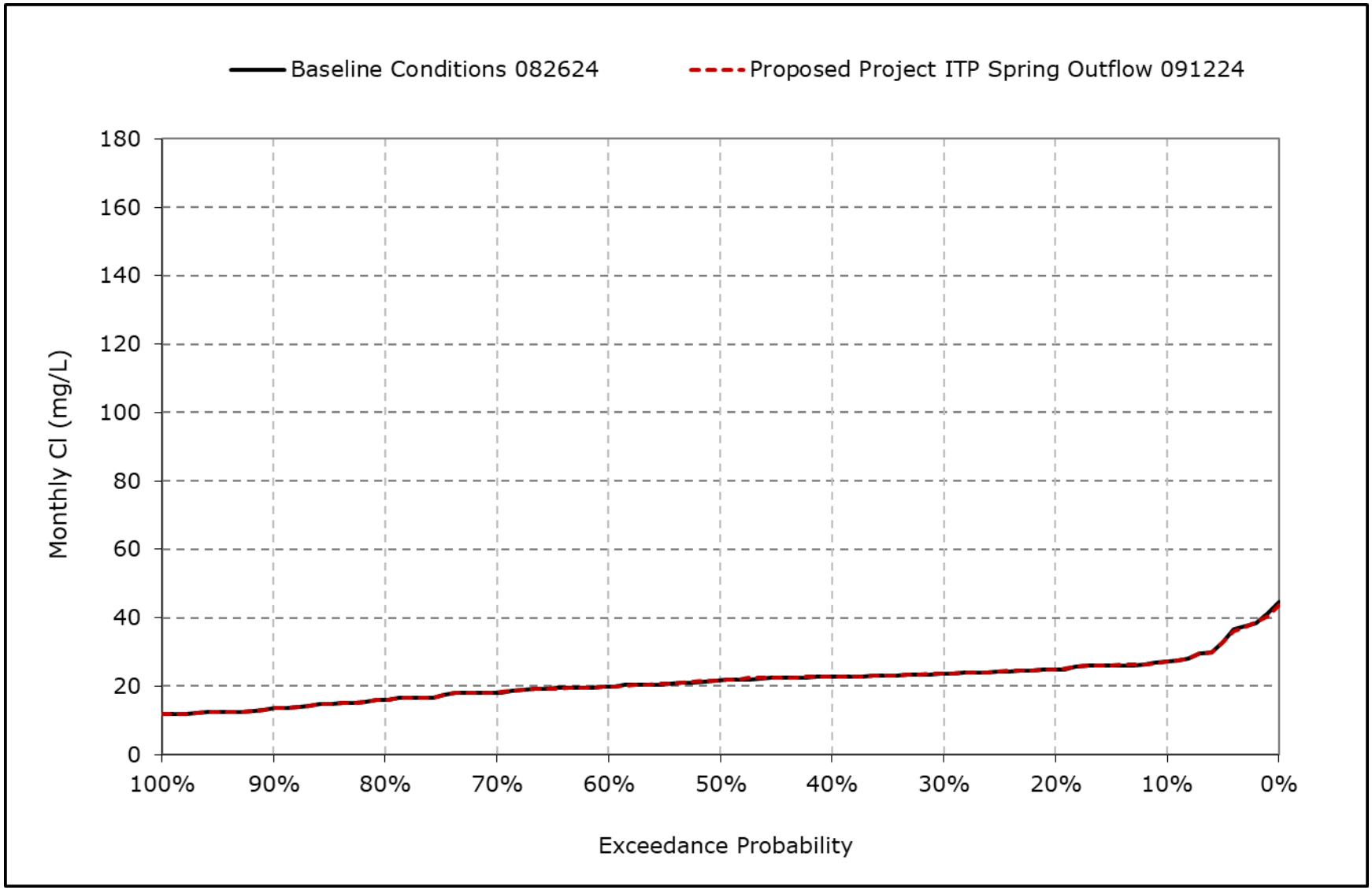
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-5m. San Joaquin River at San Andreas Chloride, April Cl



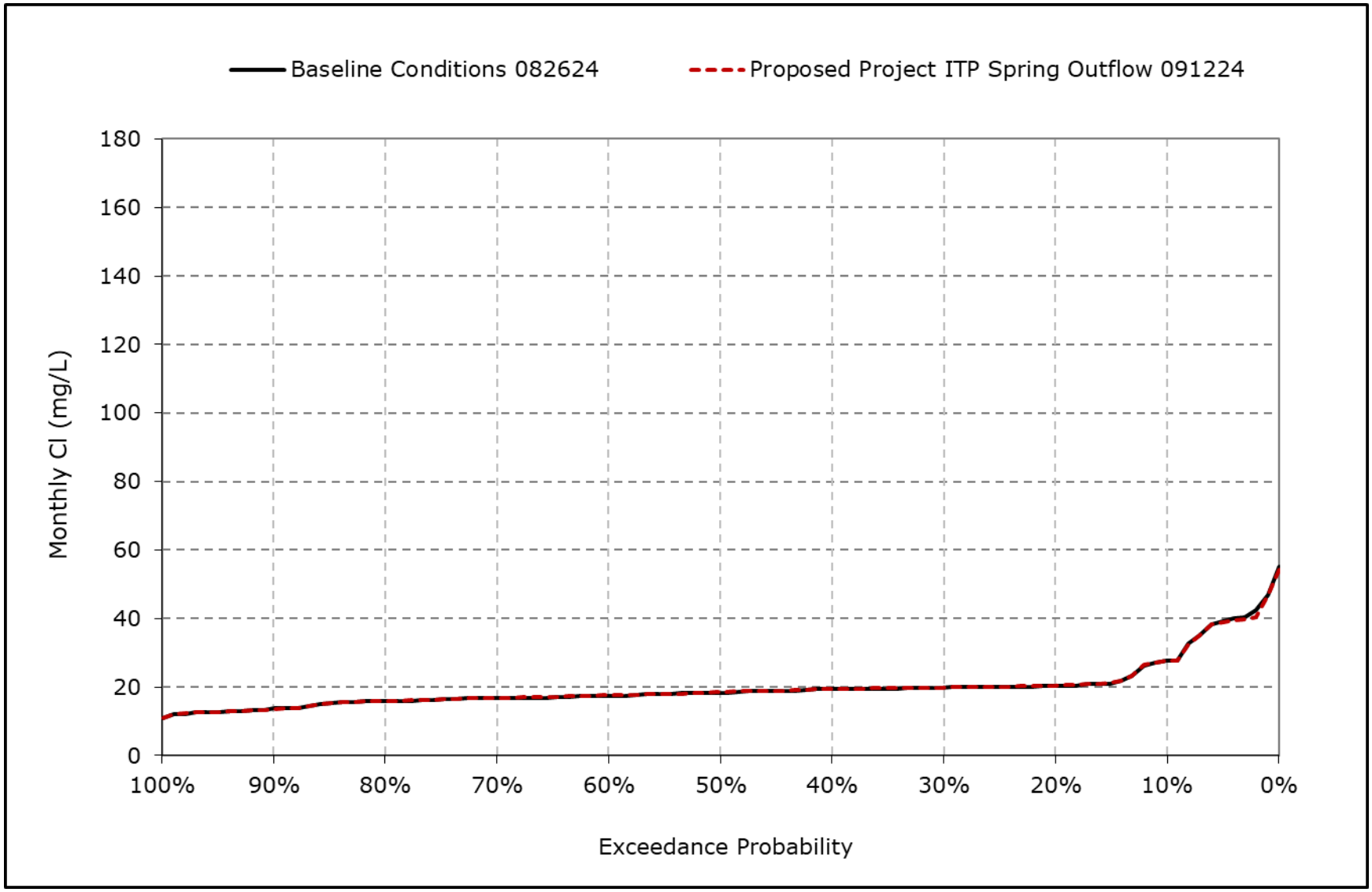
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-5n. San Joaquin River at San Andreas Chloride, May Cl



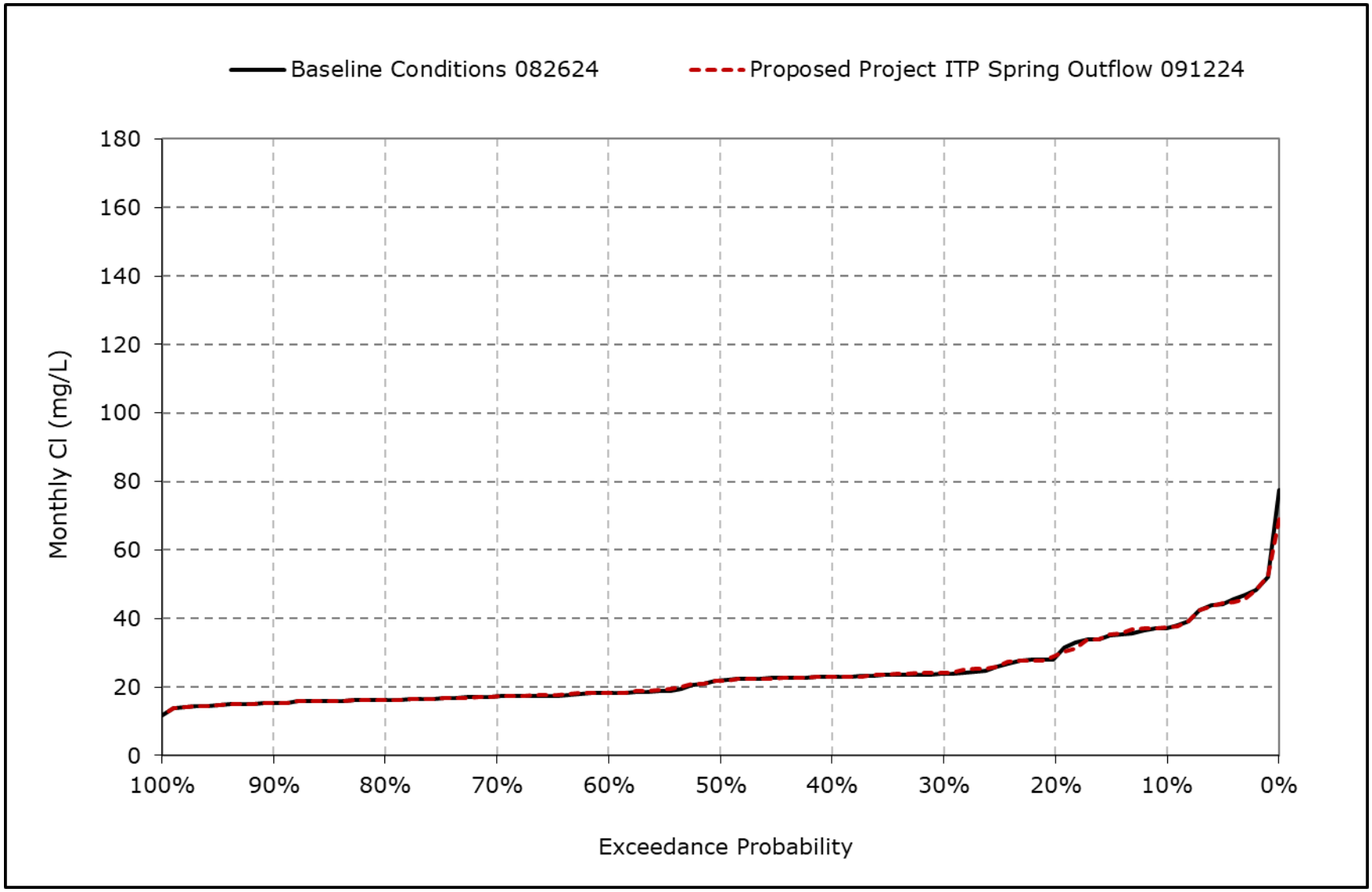
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-5o. San Joaquin River at San Andreas Chloride, June Cl



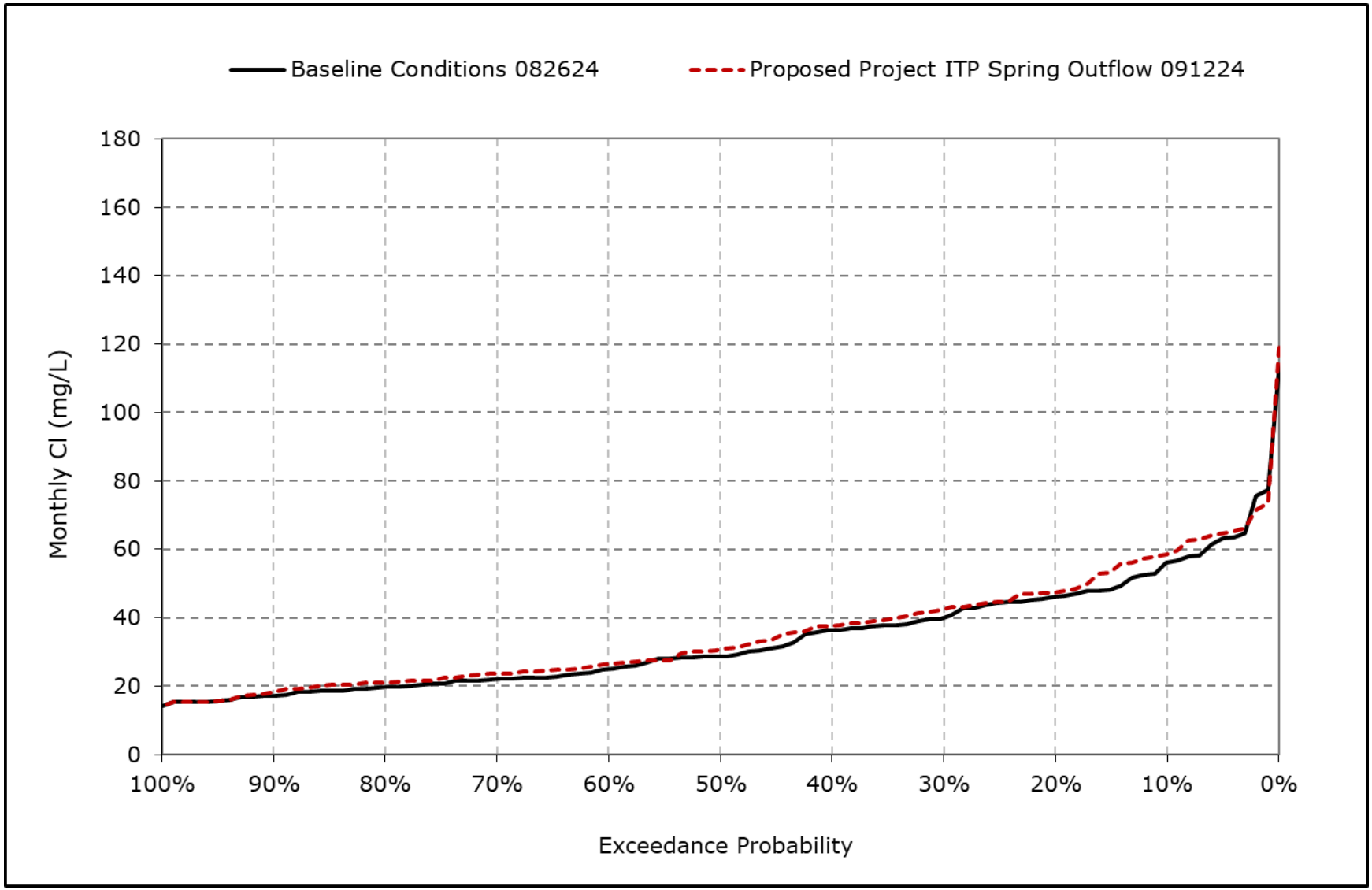
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-5p. San Joaquin River at San Andreas Chloride, July Cl



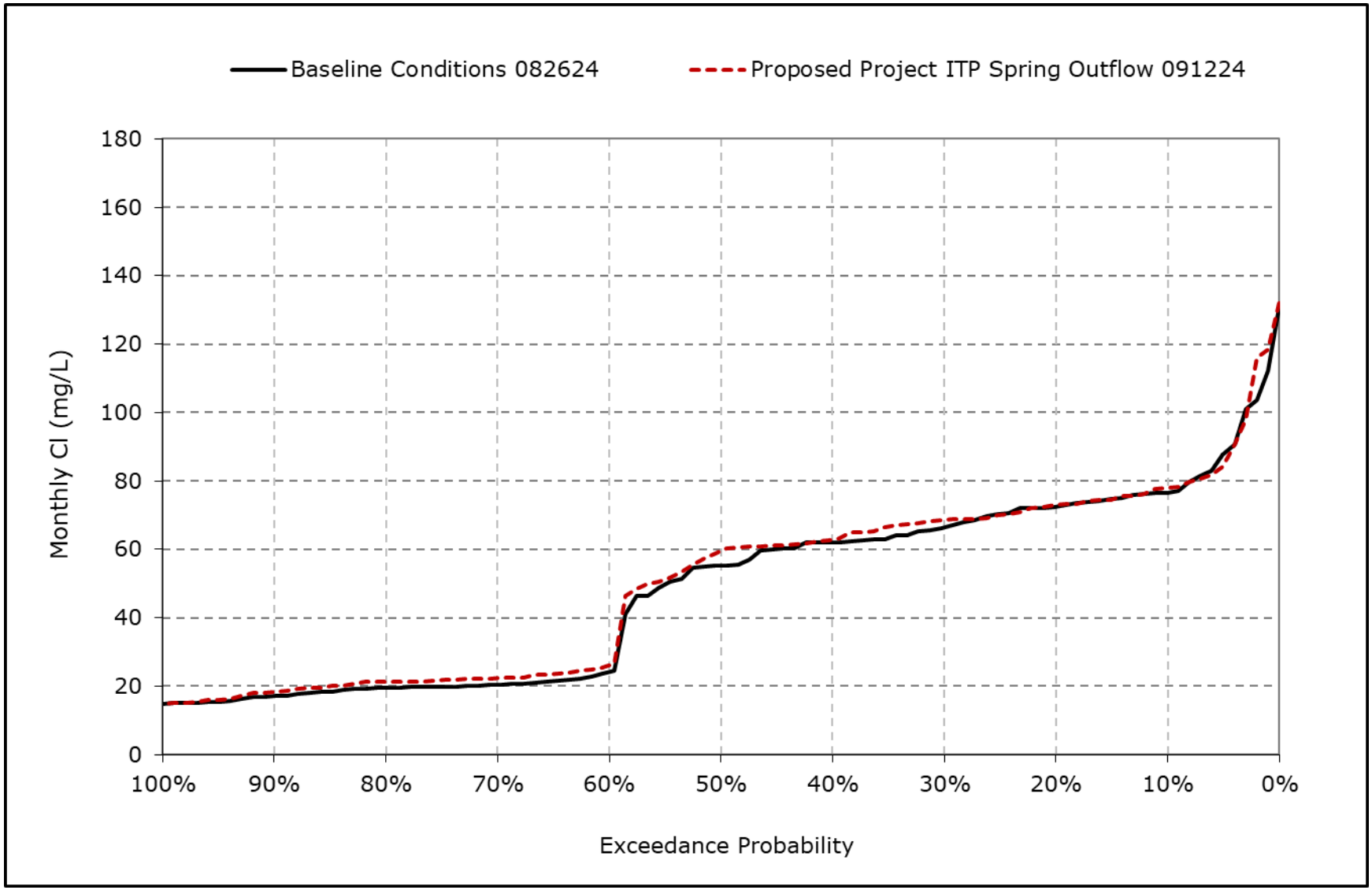
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-5q. San Joaquin River at San Andreas Chloride, August Cl



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

Figure 4L-8-5r. San Joaquin River at San Andreas Chloride, September Cl



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

Table 4L-8-6-1a. San Joaquin River at Prisoners Point Chloride, Baseline Conditions 082624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	87	101	132	90	59	40	45	40	29	37	47	72
20% Exceedance	70	81	116	81	46	33	42	35	23	29	43	61
30% Exceedance	59	68	105	70	42	30	38	31	23	25	38	56
40% Exceedance	54	61	95	61	37	29	34	29	22	24	30	53
50% Exceedance	50	56	84	49	31	27	31	29	21	22	28	46
60% Exceedance	21	33	67	38	28	27	29	27	20	19	24	26
70% Exceedance	20	29	56	31	27	26	27	25	20	18	23	21
80% Exceedance	19	26	37	26	25	24	25	20	19	18	20	21
90% Exceedance	18	24	29	23	22	22	15	12	11	16	19	18
Full Simulation Period Average[a]	48	55	80	54	37	29	32	27	21	24	32	43
Wet Water Years (32%)	43	51	59	36	28	24	21	17	15	17	20	20
Above Normal Years (9%)	48	58	83	45	41	37	38	26	20	18	21	21
Below Normal Years (20%)	44	49	86	56	37	31	39	30	21	23	36	64
Dry Water Years (21%)	43	50	90	65	38	27	34	33	22	29	40	51
Critical Water Years (18%)	64	75	98	77	49	35	37	37	33	35	42	63

Table 4L-8-6-1b. San Joaquin River at Prisoners Point Chloride, Proposed Project ITP Spring Outflow 091224, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	85	100	132	93	57	40	46	40	29	37	51	70
20% Exceedance	72	84	113	79	48	34	41	35	24	29	45	64
30% Exceedance	58	70	105	70	42	31	38	31	23	25	39	57
40% Exceedance	56	62	97	59	37	29	34	29	22	24	33	54
50% Exceedance	50	56	85	49	33	28	31	29	22	22	28	50
60% Exceedance	21	34	67	38	29	27	30	27	21	19	26	29
70% Exceedance	20	29	55	32	27	26	27	25	20	19	24	24
80% Exceedance	19	27	38	27	25	24	25	20	20	18	21	23
90% Exceedance	19	24	30	23	22	22	15	12	11	16	19	20
Full Simulation Period Average[a]	48	56	80	54	37	29	32	27	22	24	33	45
Wet Water Years (32%)	44	51	59	36	28	23	21	17	15	17	21	22
Above Normal Years (9%)	48	58	85	47	42	37	38	26	21	19	24	23
Below Normal Years (20%)	44	49	86	56	38	31	39	30	22	23	37	64
Dry Water Years (21%)	42	50	89	63	38	28	35	33	22	29	44	55
Critical Water Years (18%)	65	75	100	78	49	35	38	37	33	35	42	64

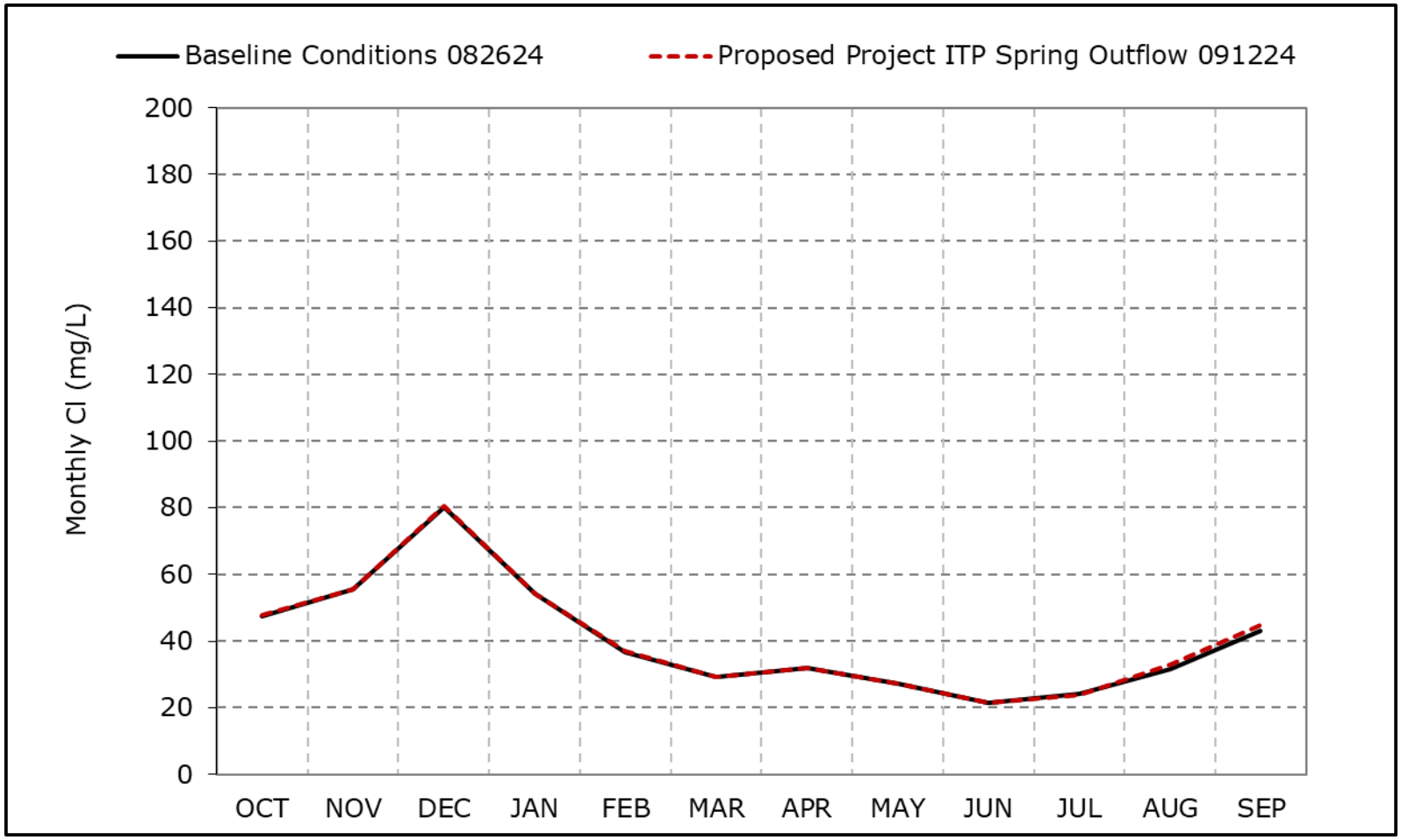
Table 4L-8-6-1c. San Joaquin River at Prisoners Point Chloride, Proposed Project ITP Spring Outflow 091224 minus Baseline Conditions 082624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1	-1	0	3	-2	0	1	0	0	0	4	-2
20% Exceedance	2	3	-2	-2	1	0	0	0	1	0	2	3
30% Exceedance	-1	2	0	-1	1	1	0	0	0	0	1	1
40% Exceedance	2	1	2	-1	0	0	0	0	0	0	4	1
50% Exceedance	0	0	1	0	1	1	0	0	0	0	1	4
60% Exceedance	0	0	0	0	1	0	0	0	0	0	2	3
70% Exceedance	1	0	-1	0	0	0	0	0	0	0	2	2
80% Exceedance	0	1	0	0	0	0	0	0	0	0	1	2
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	1
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	1	1
Wet Water Years (32%)	1	0	0	0	0	0	0	0	0	0	1	2
Above Normal Years (9%)	1	0	3	1	1	0	0	0	0	0	2	2
Below Normal Years (20%)	0	0	0	0	1	0	0	0	0	0	1	-1
Dry Water Years (21%)	-1	0	-1	-2	-1	0	0	0	0	0	3	3
Critical Water Years (18%)	1	0	1	1	0	0	0	0	0	-1	0	1

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

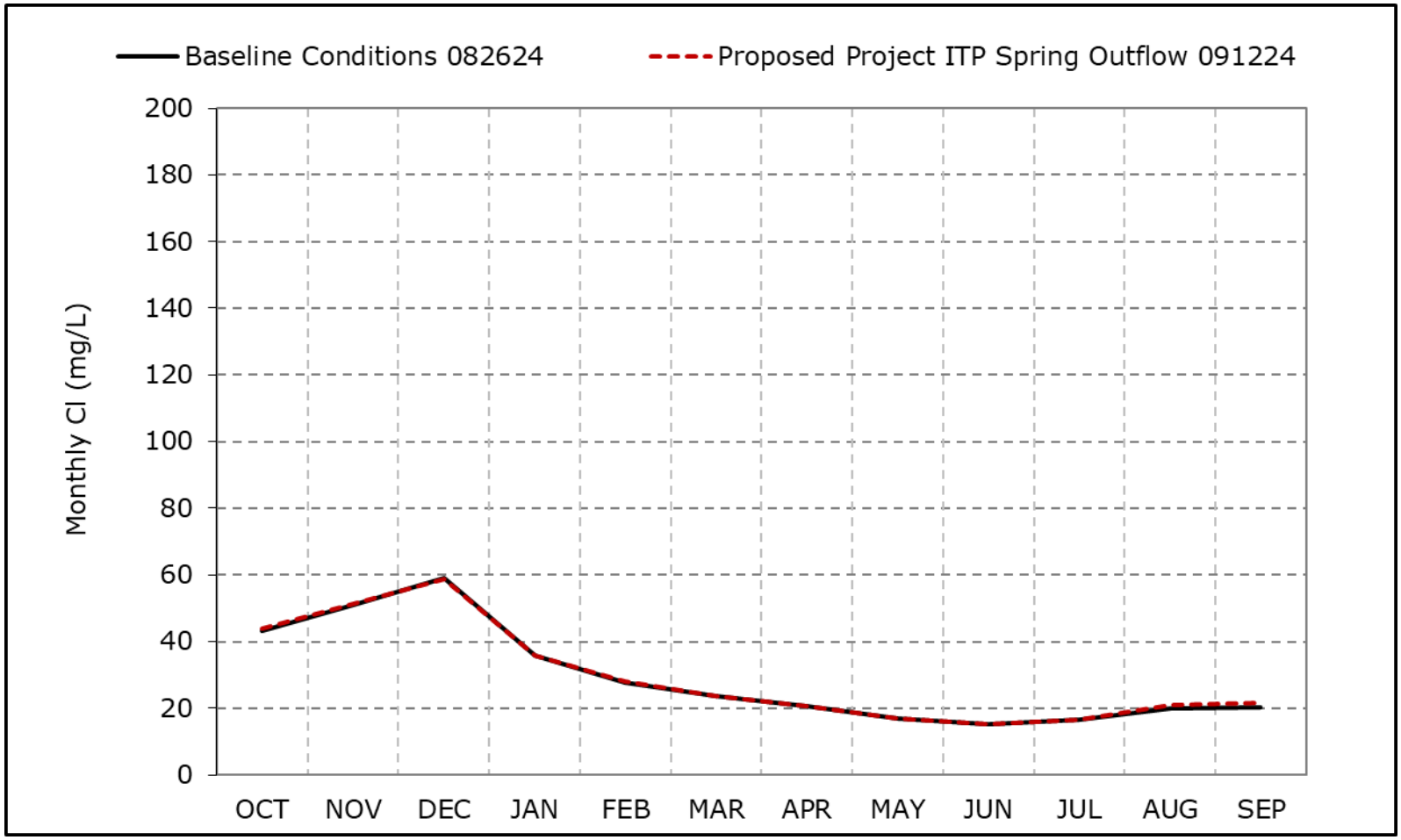
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4L-8-6a. San Joaquin River at Prisoners Point Chloride, Long-Term Average Cl



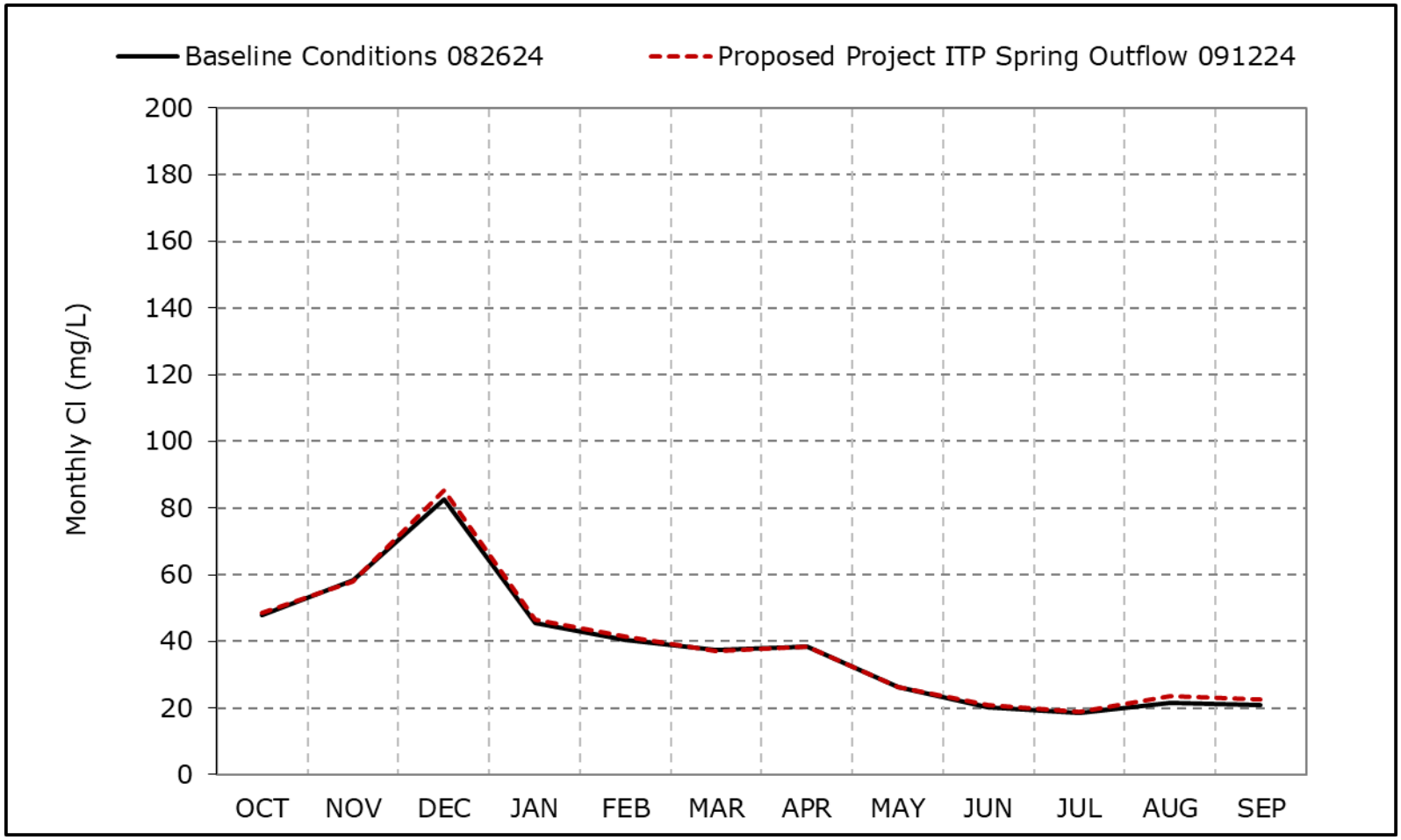
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-6b. San Joaquin River at Prisoners Point Chloride, Wet Year Average Cl



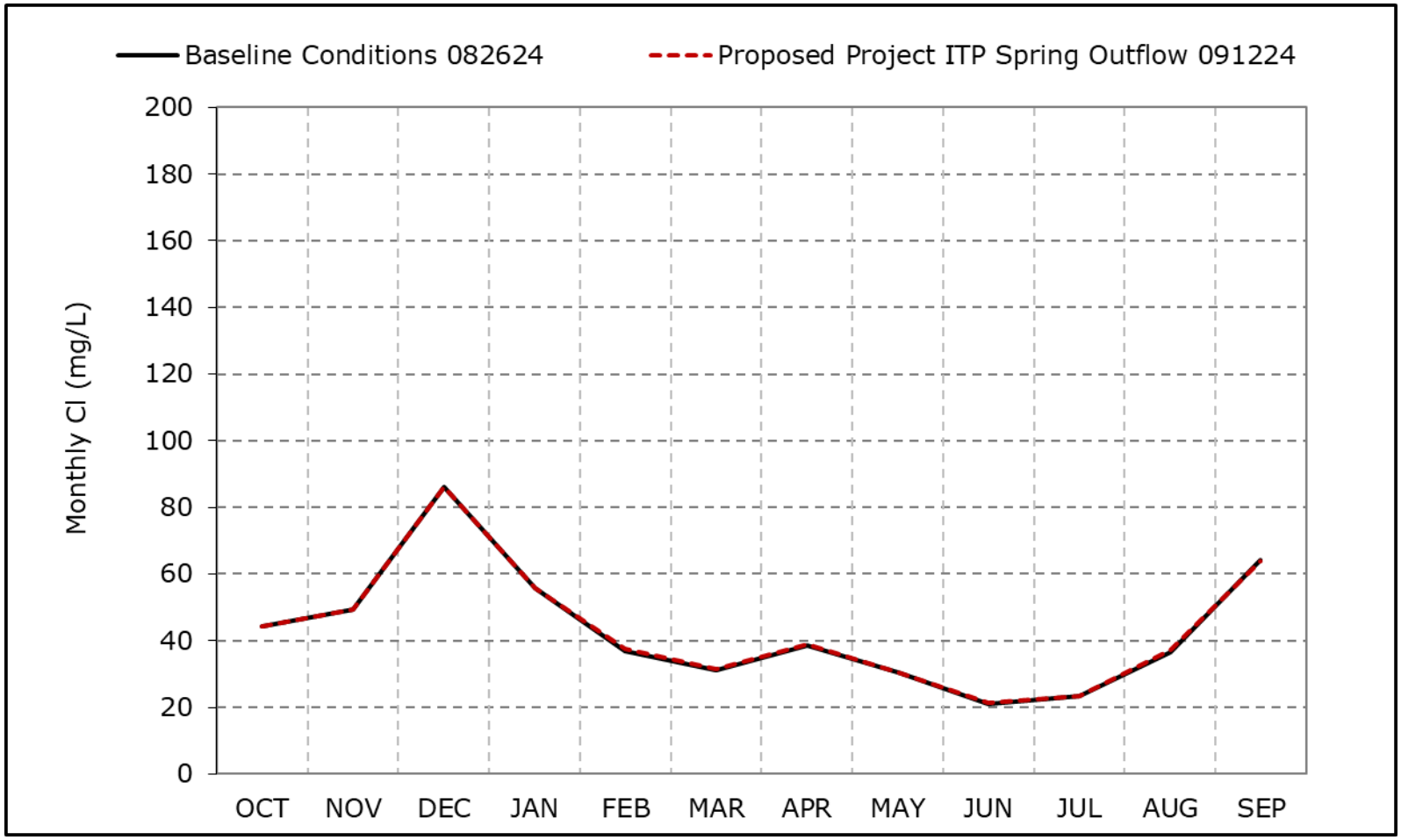
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-6c. San Joaquin River at Prisoners Point Chloride, Above Normal Year Average Cl



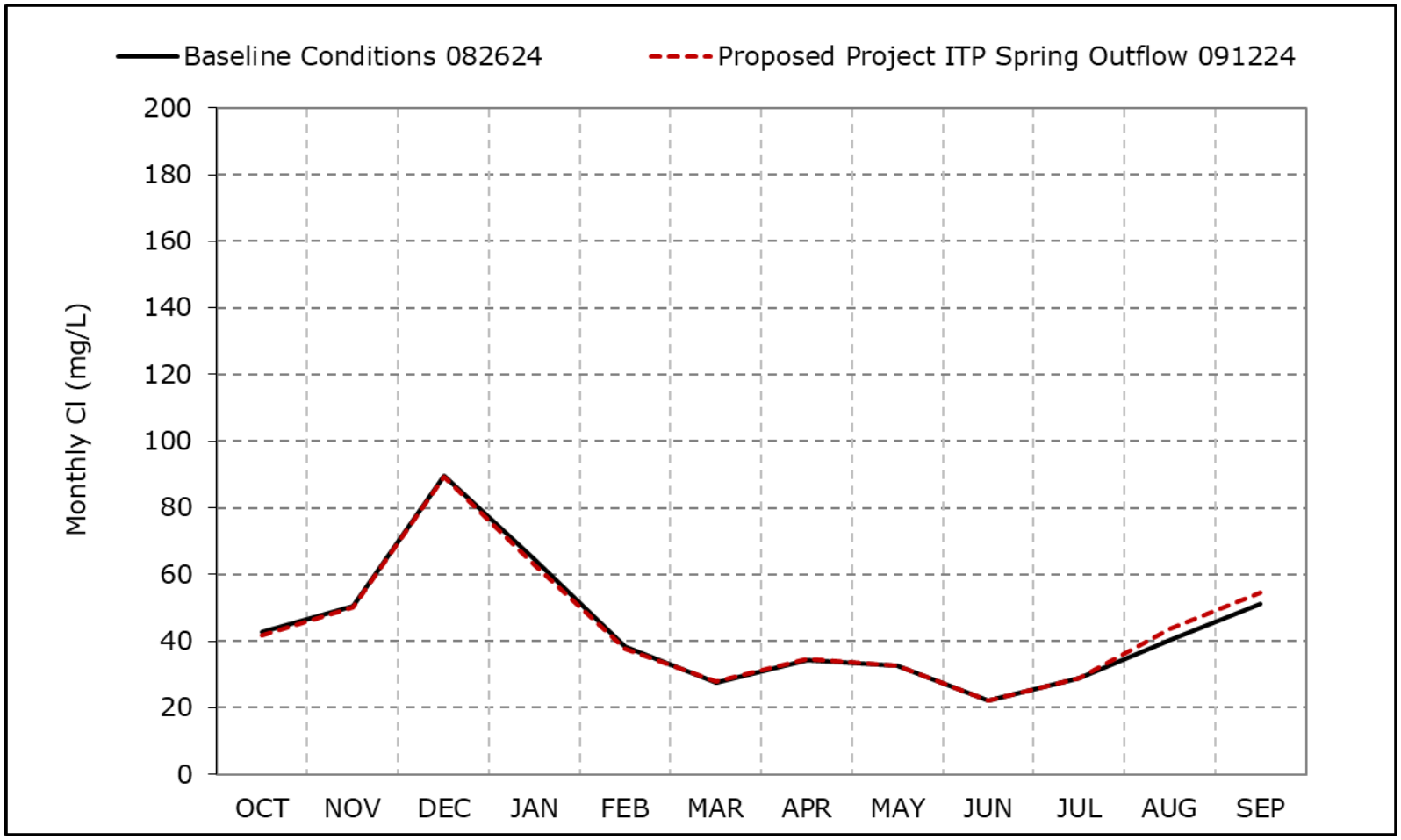
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-6d. San Joaquin River at Prisoners Point Chloride, Below Normal Year Average Cl



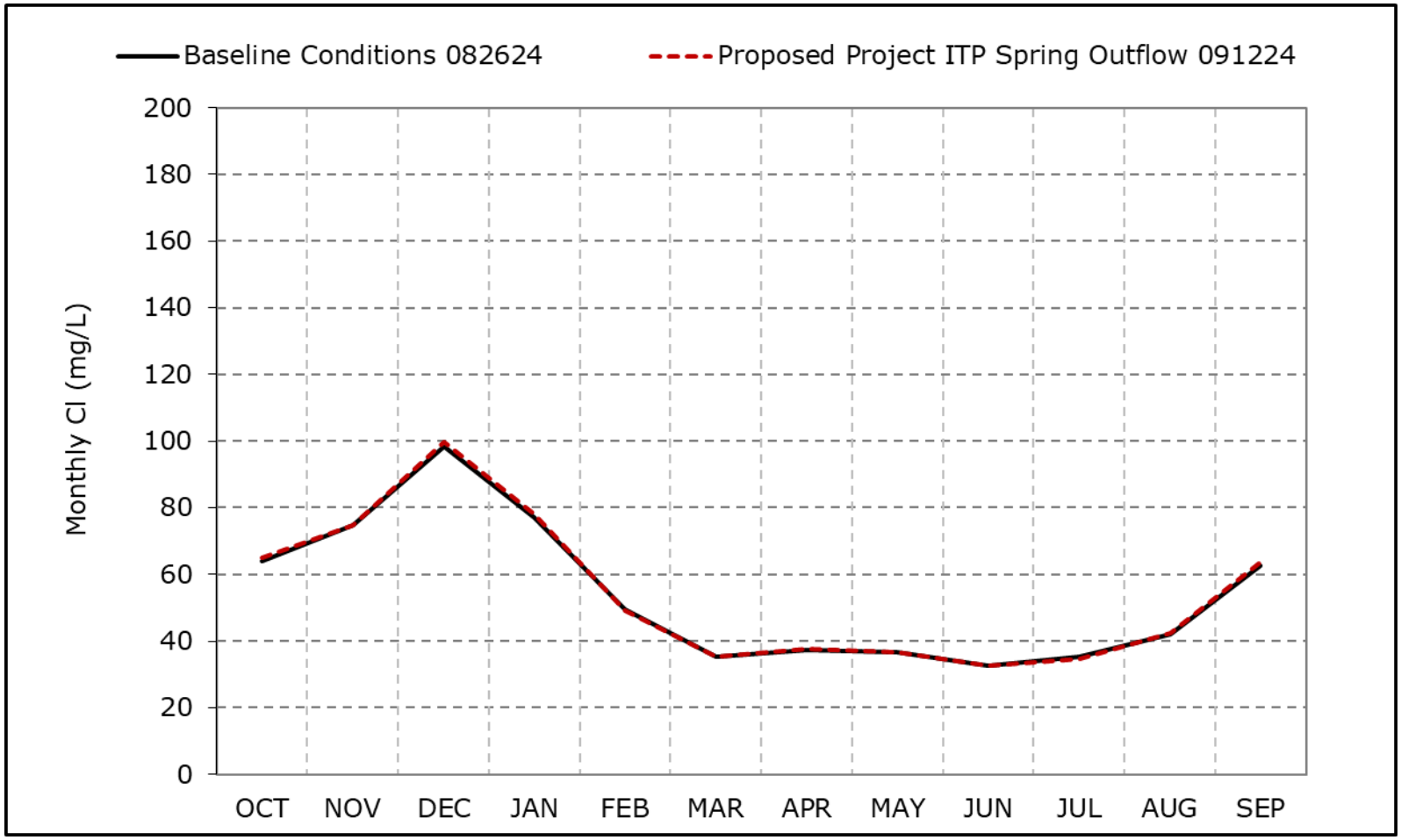
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-6e. San Joaquin River at Prisoners Point Chloride, Dry Year Average Cl



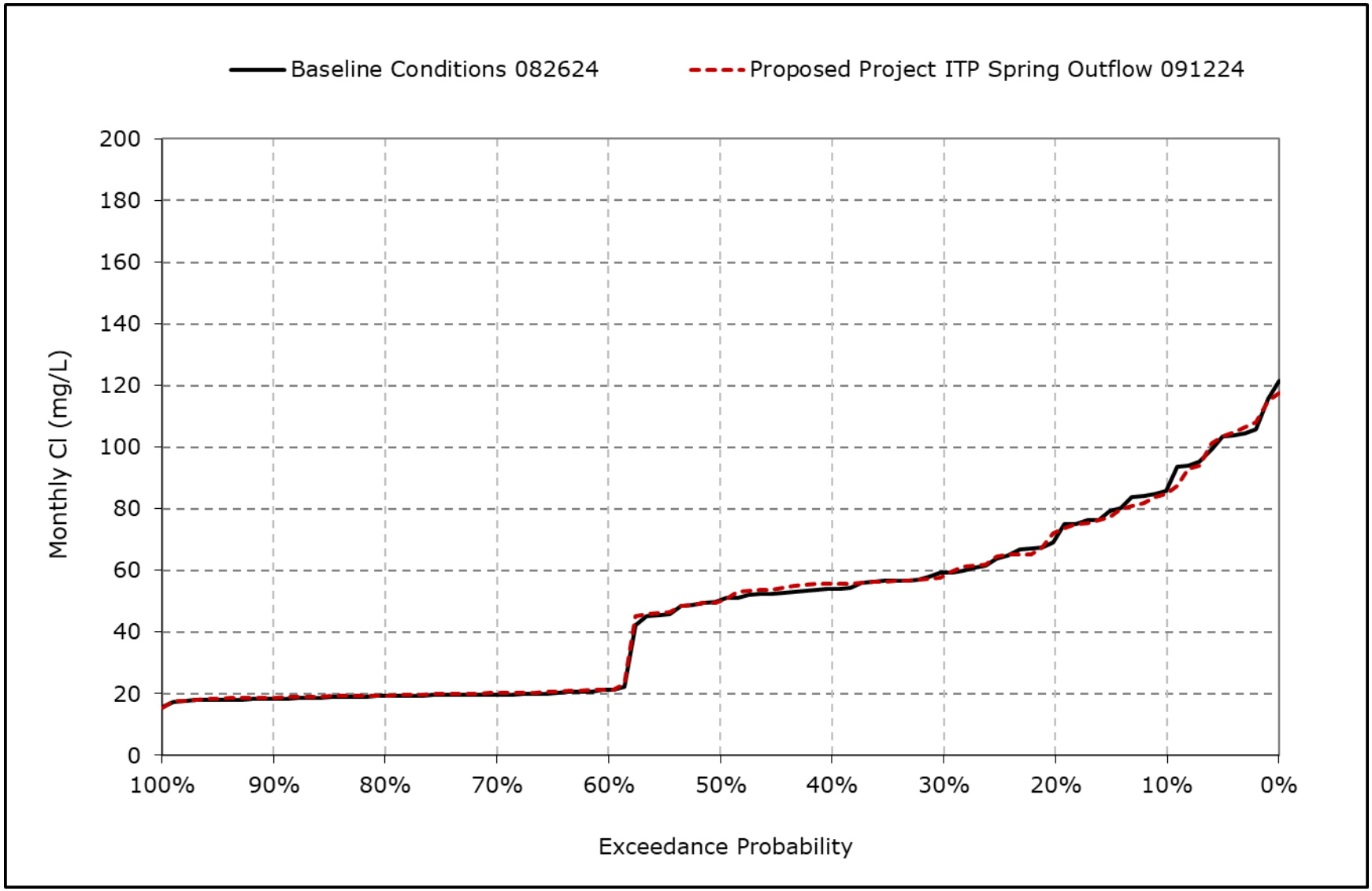
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-6f. San Joaquin River at Prisoners Point Chloride, Critical Year Average Cl



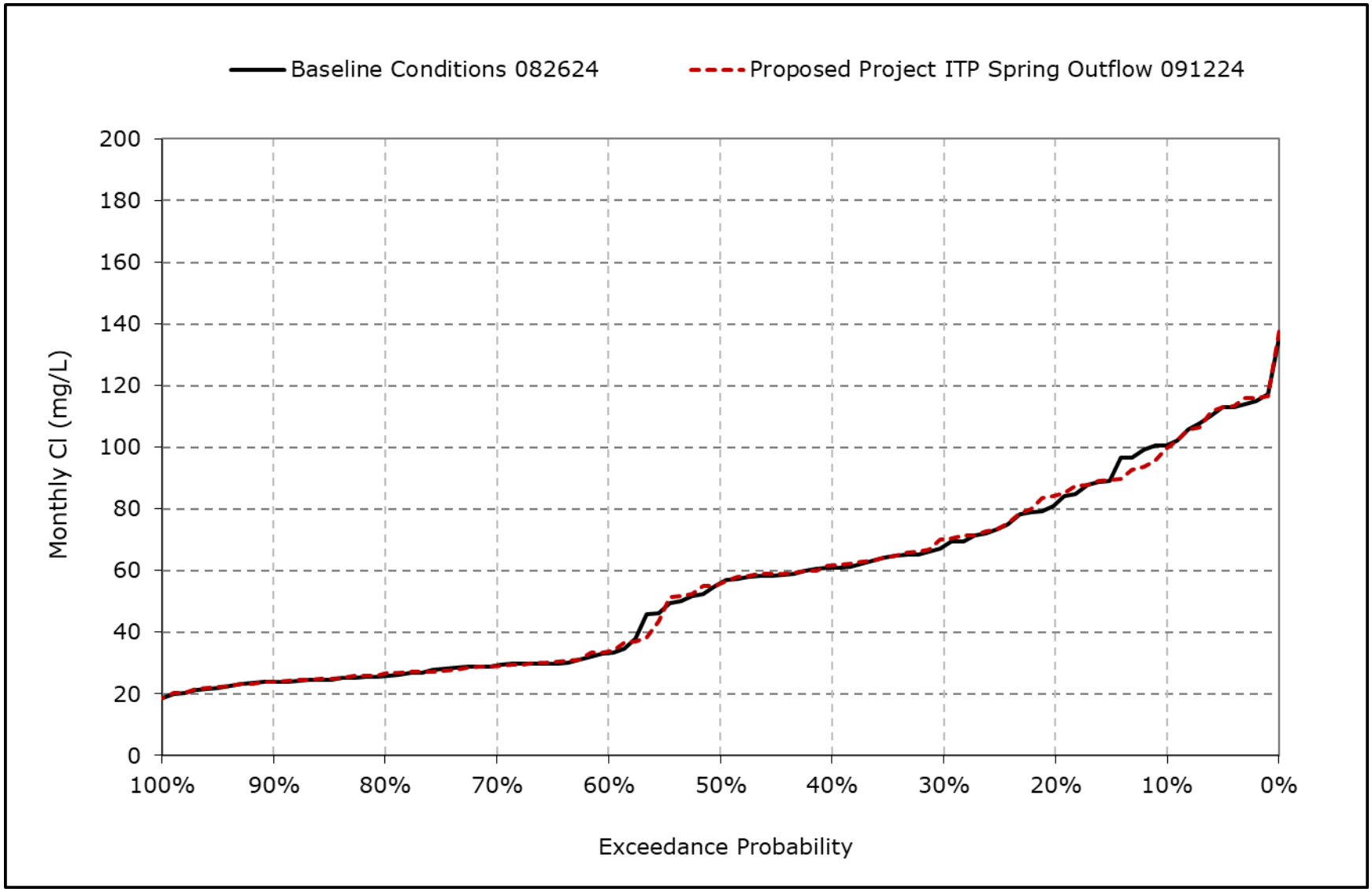
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-6g. San Joaquin River at Prisoners Point Chloride, October Cl



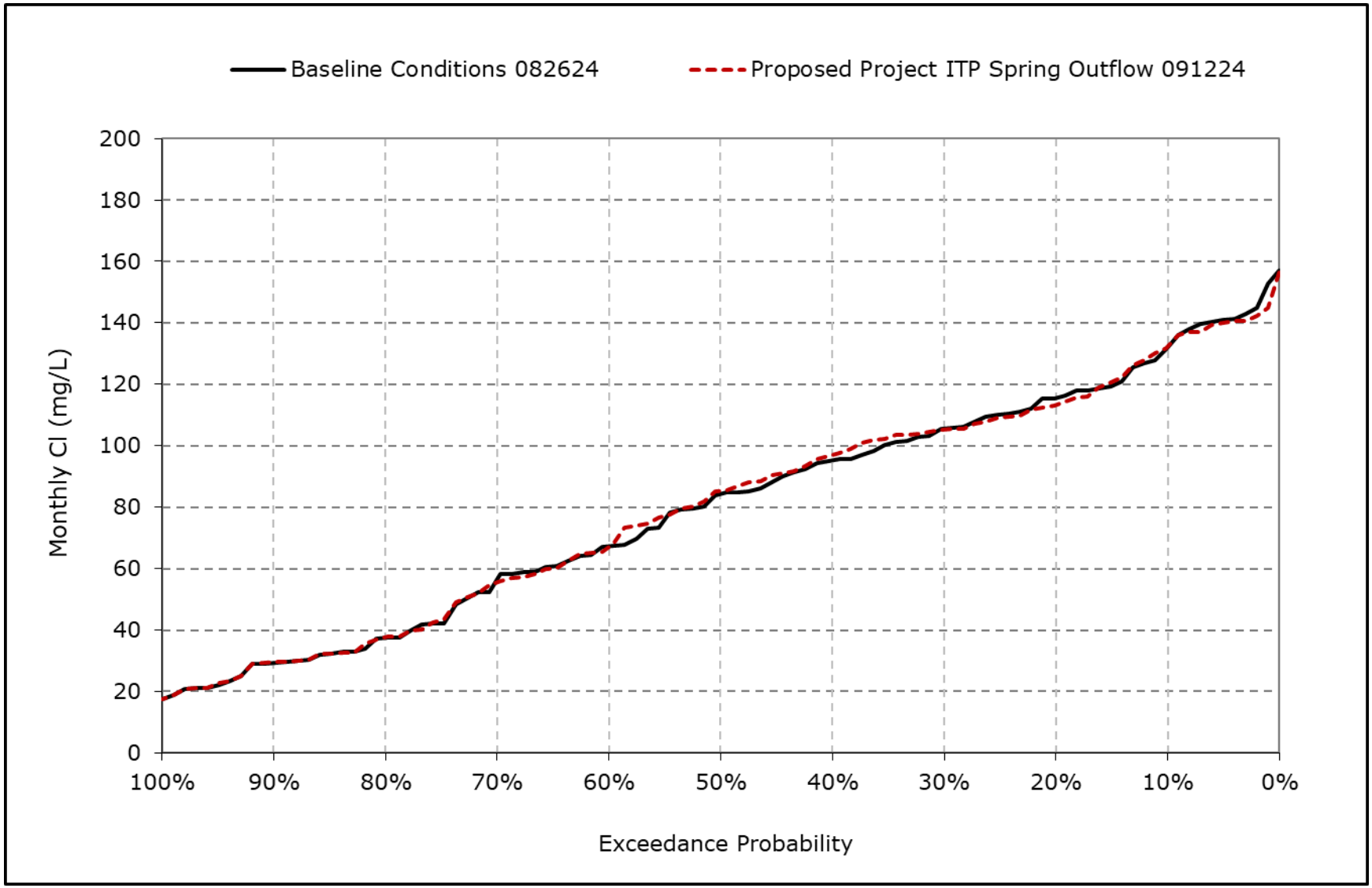
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-6h. San Joaquin River at Prisoners Point Chloride, November Cl



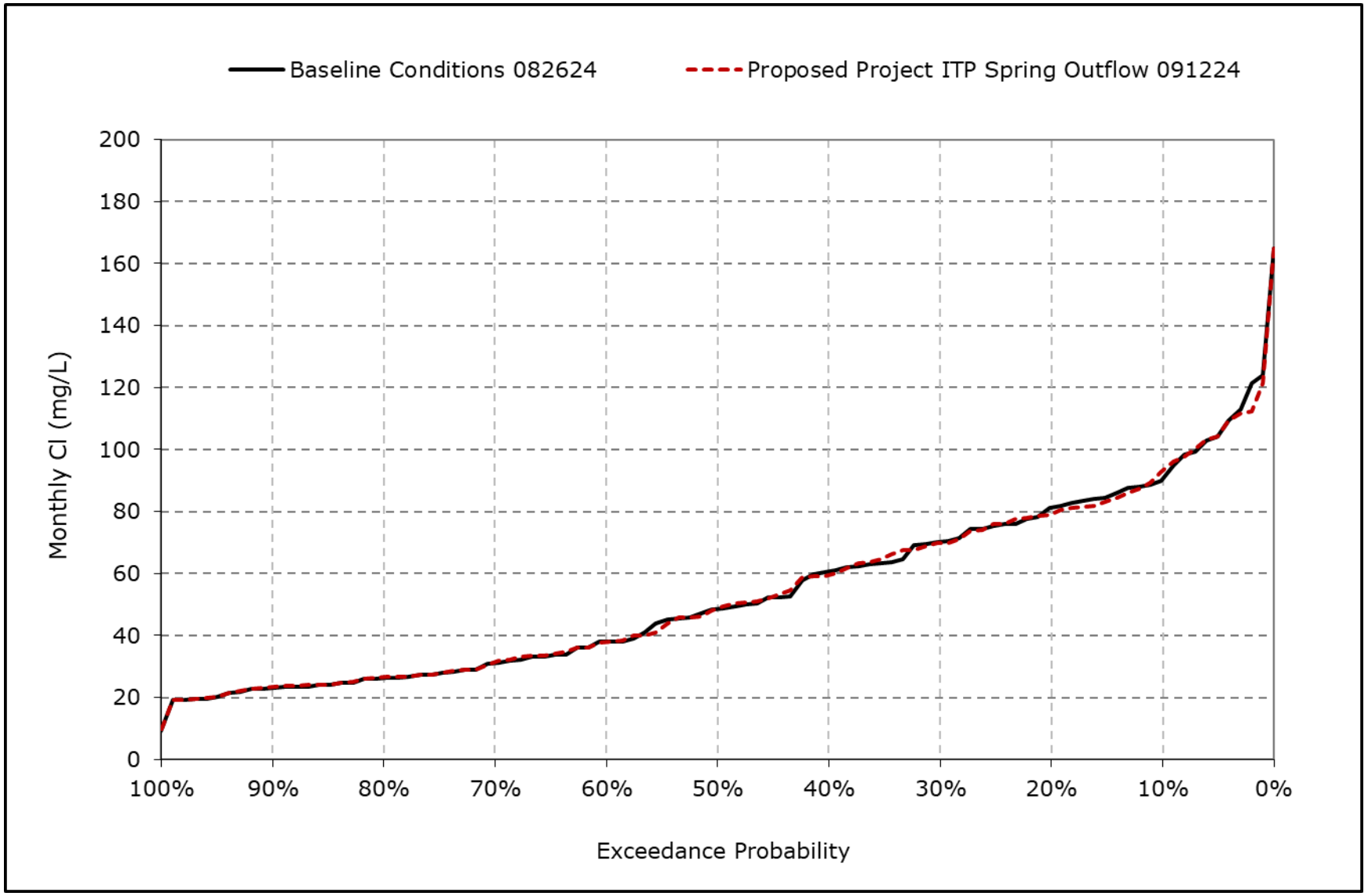
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-6i. San Joaquin River at Prisoners Point Chloride, December Cl



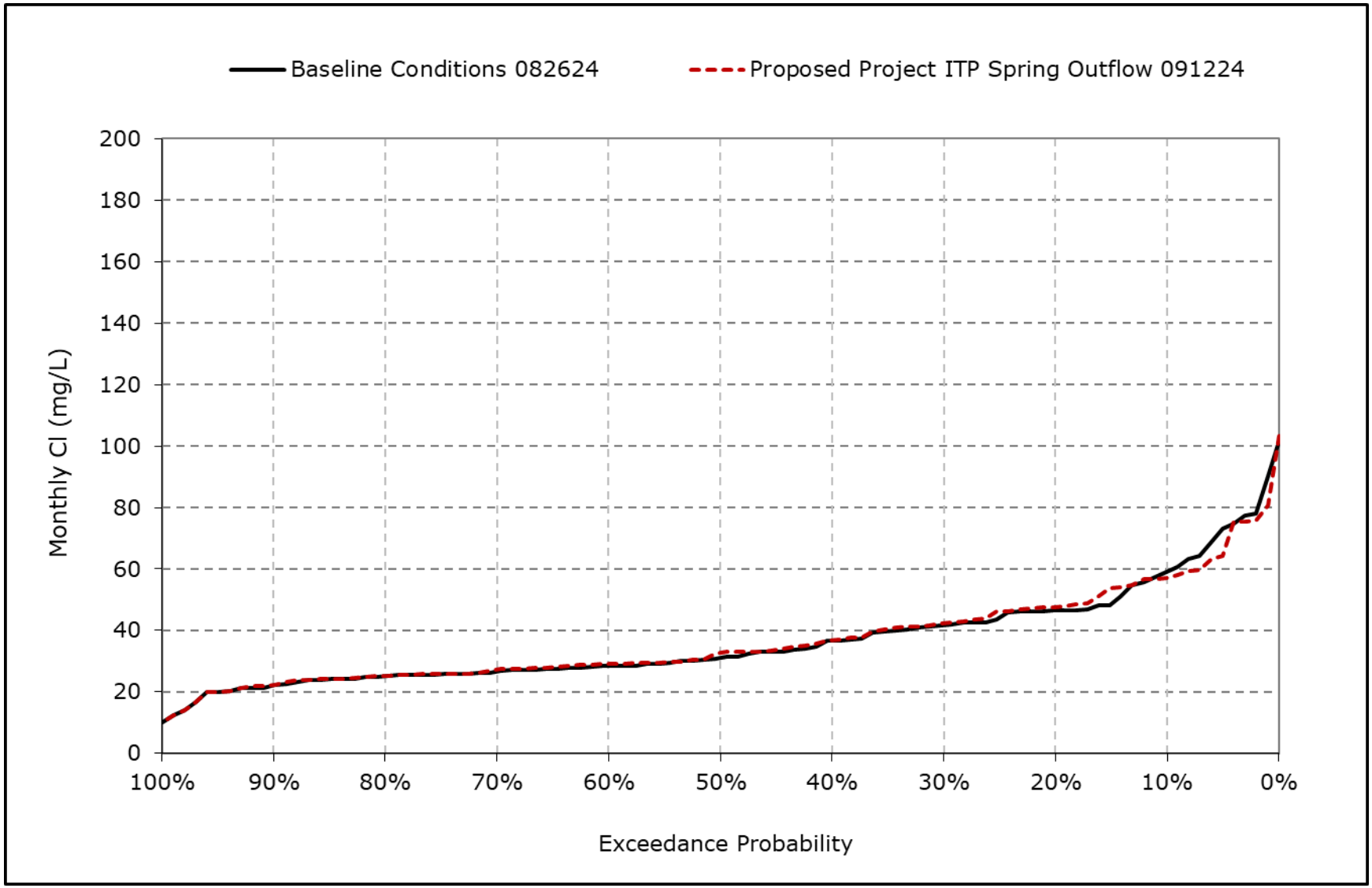
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-6j. San Joaquin River at Prisoners Point Chloride, January Cl



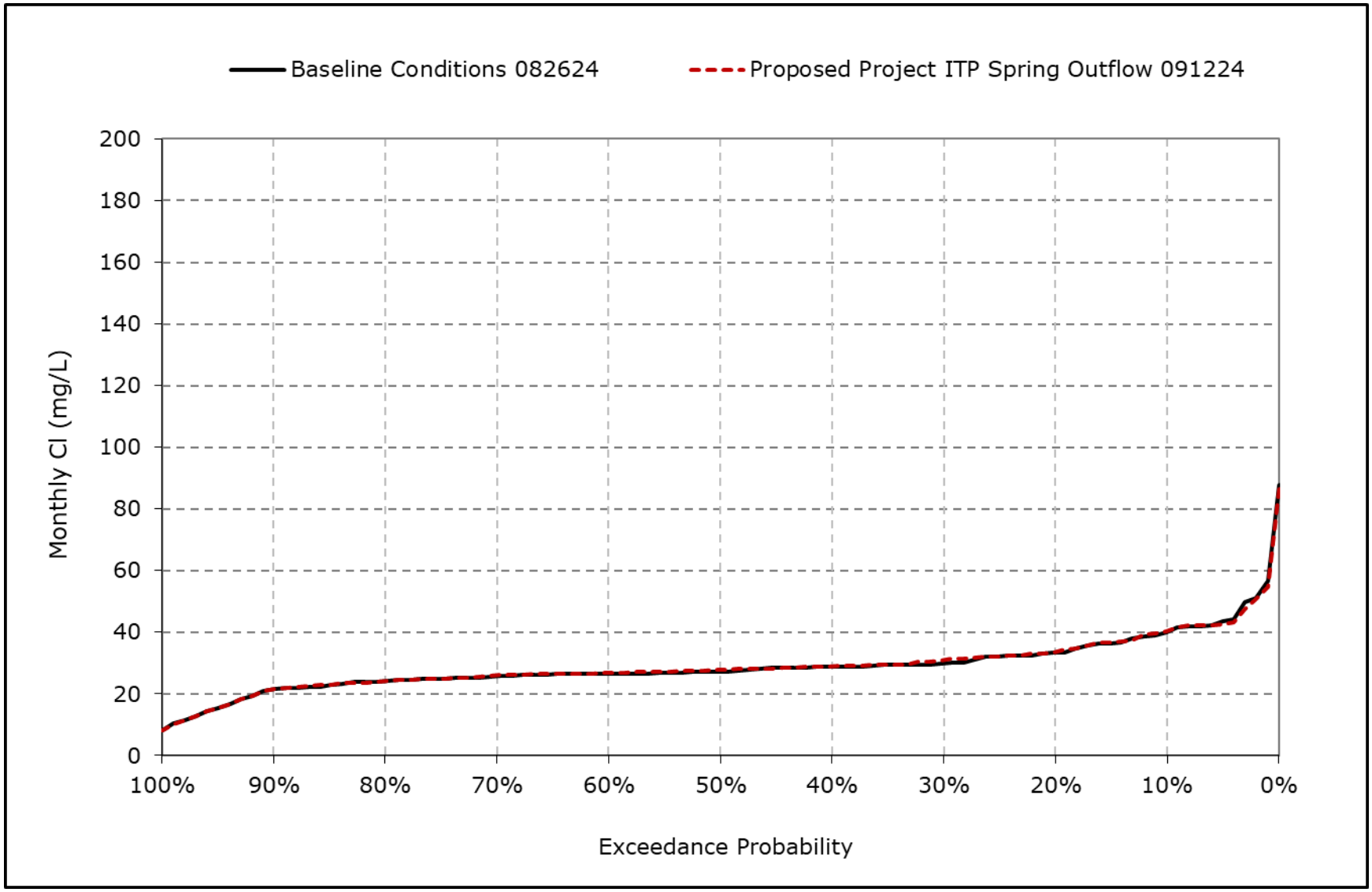
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-6k. San Joaquin River at Prisoners Point Chloride, February Cl



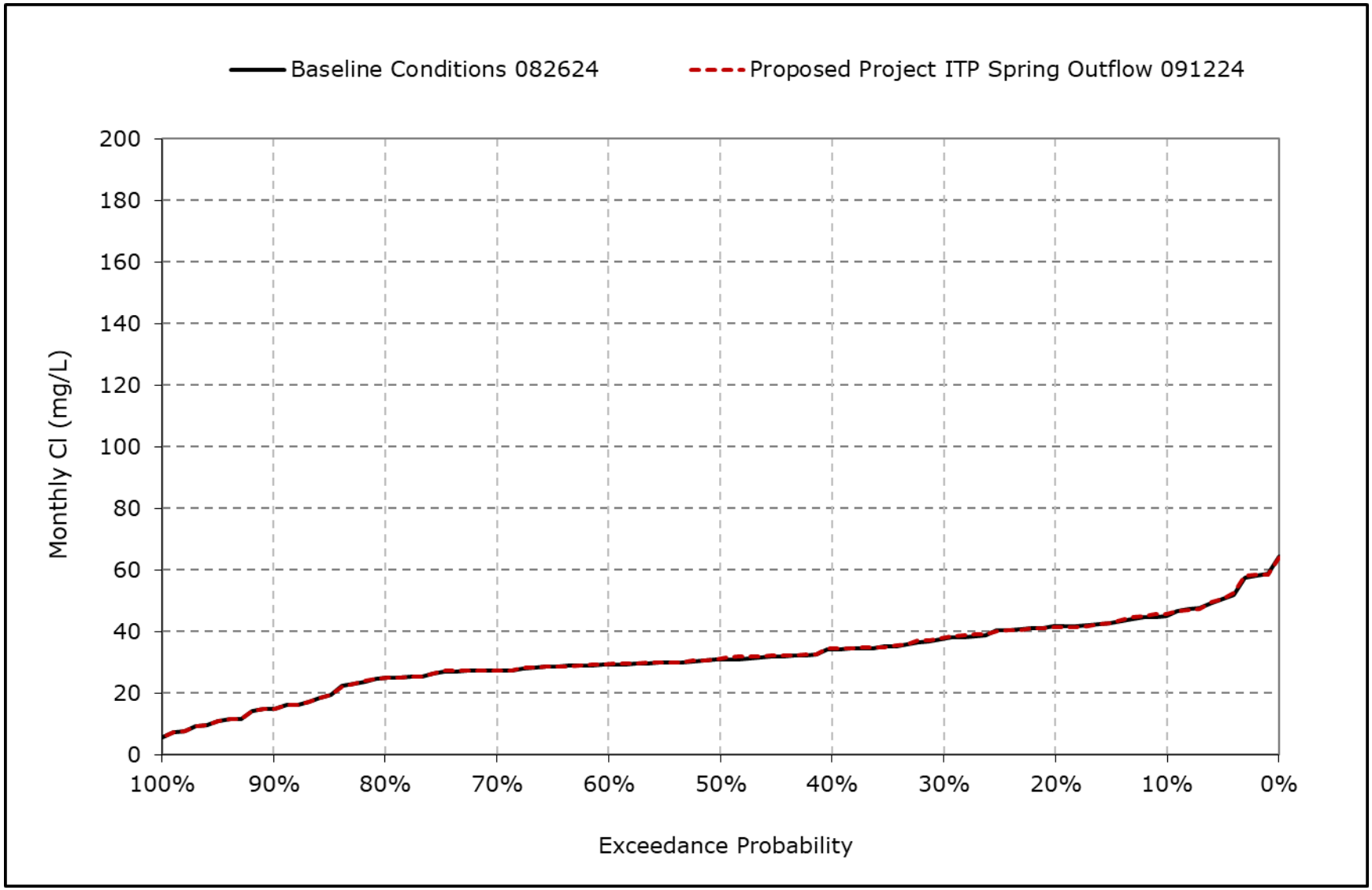
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-6l. San Joaquin River at Prisoners Point Chloride, March Cl



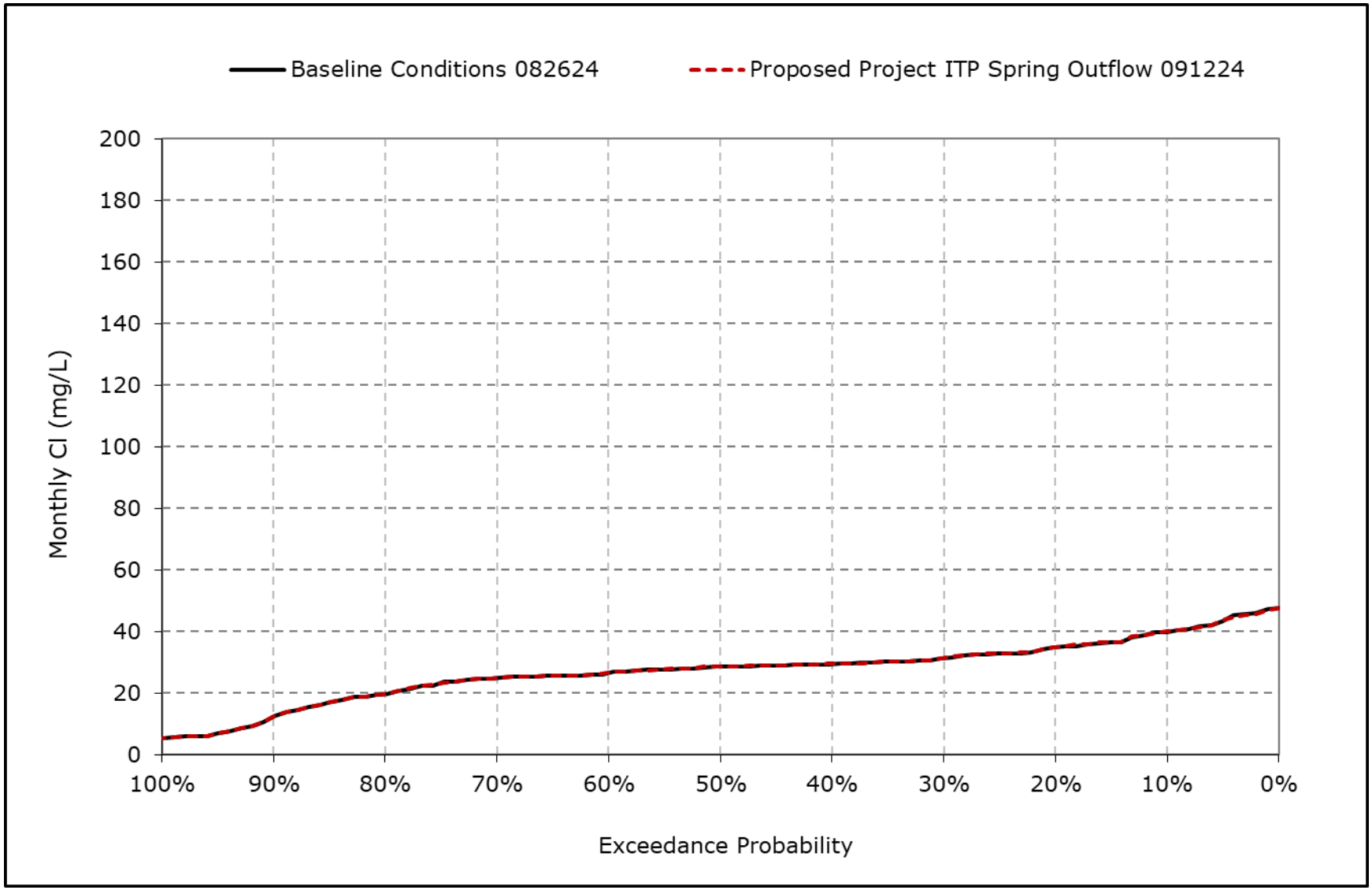
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-6m. San Joaquin River at Prisoners Point Chloride, April Cl



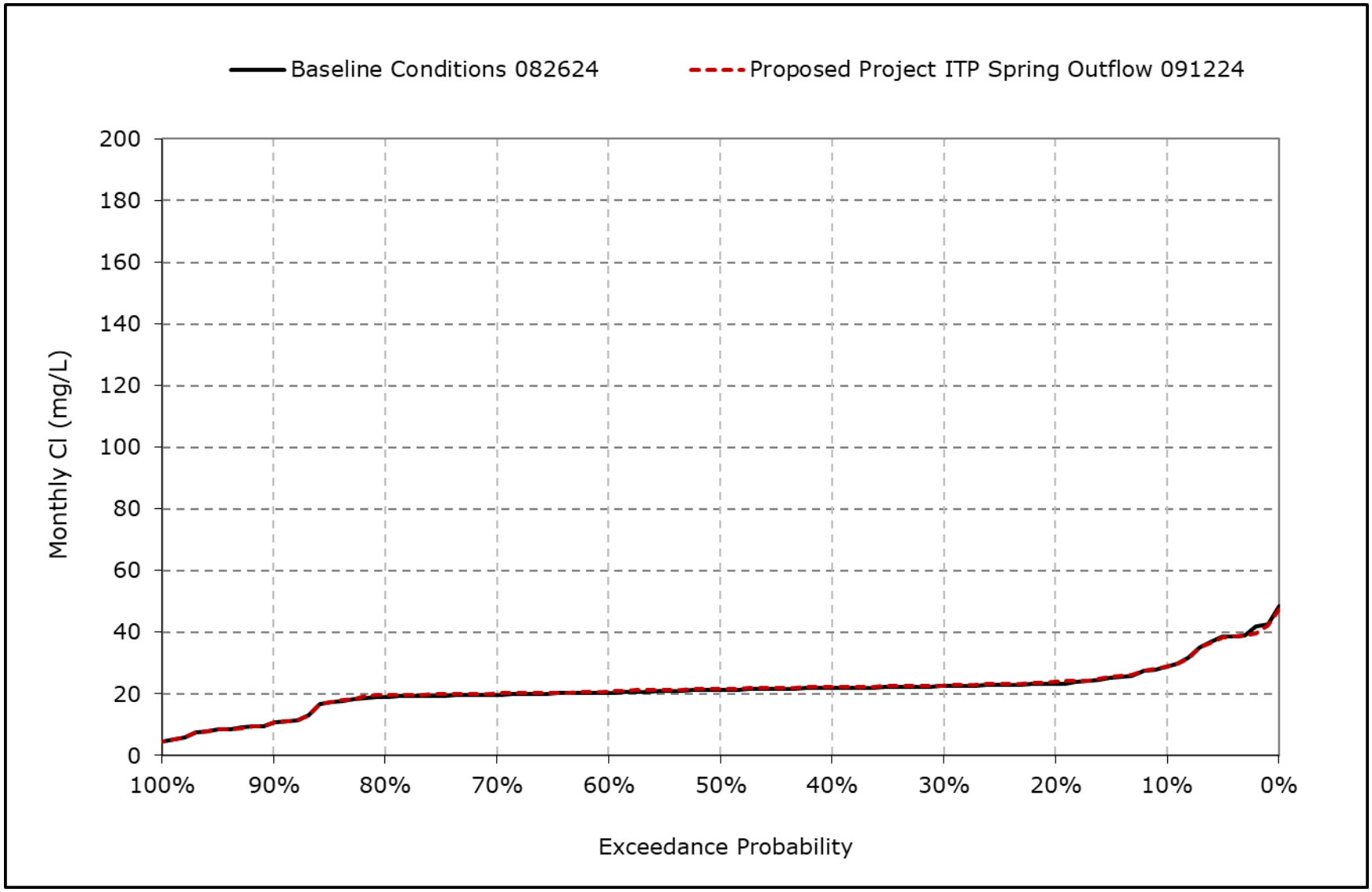
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-6n. San Joaquin River at Prisoners Point Chloride, May Cl



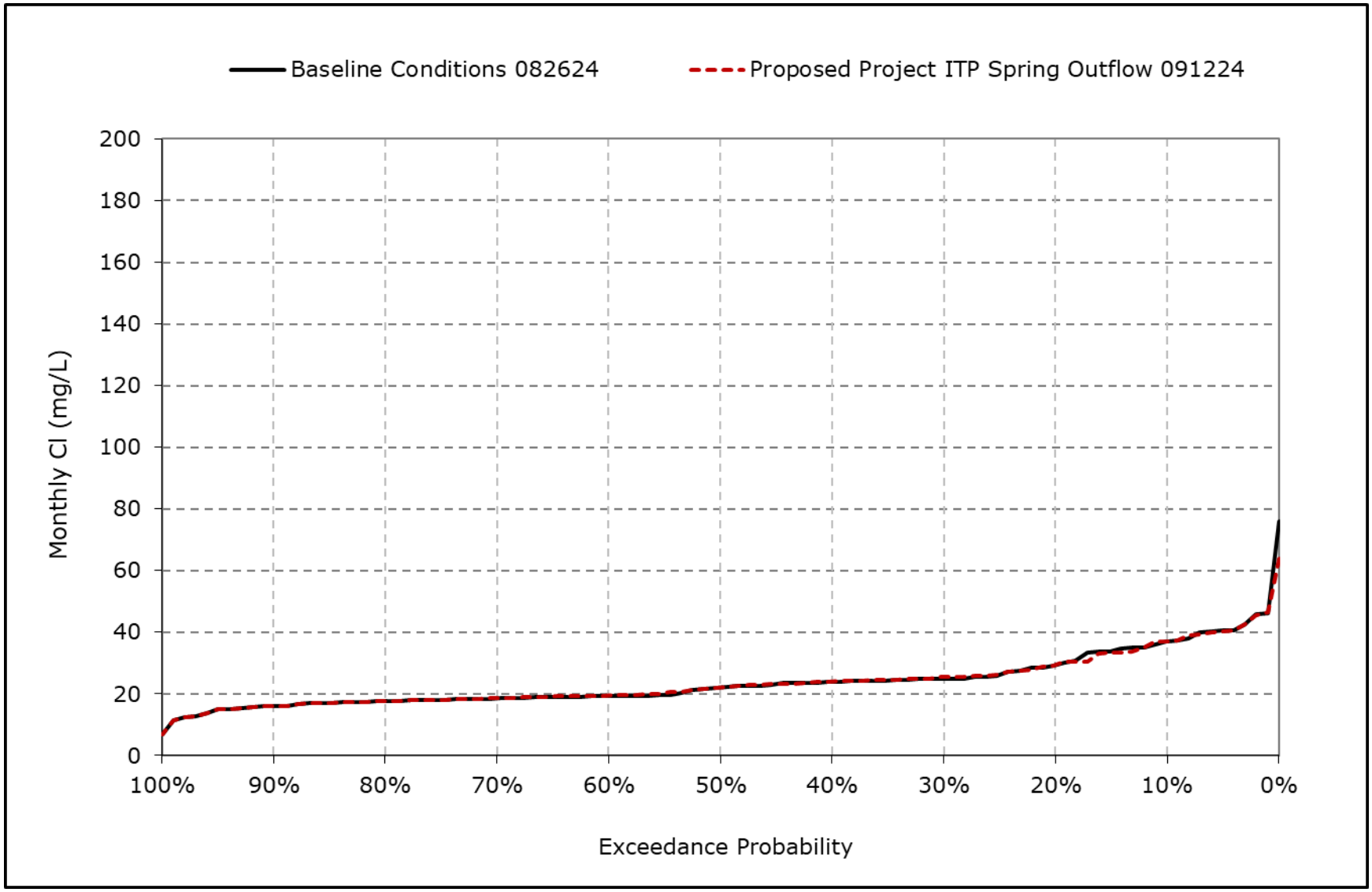
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-6o. San Joaquin River at Prisoners Point Chloride, June Cl



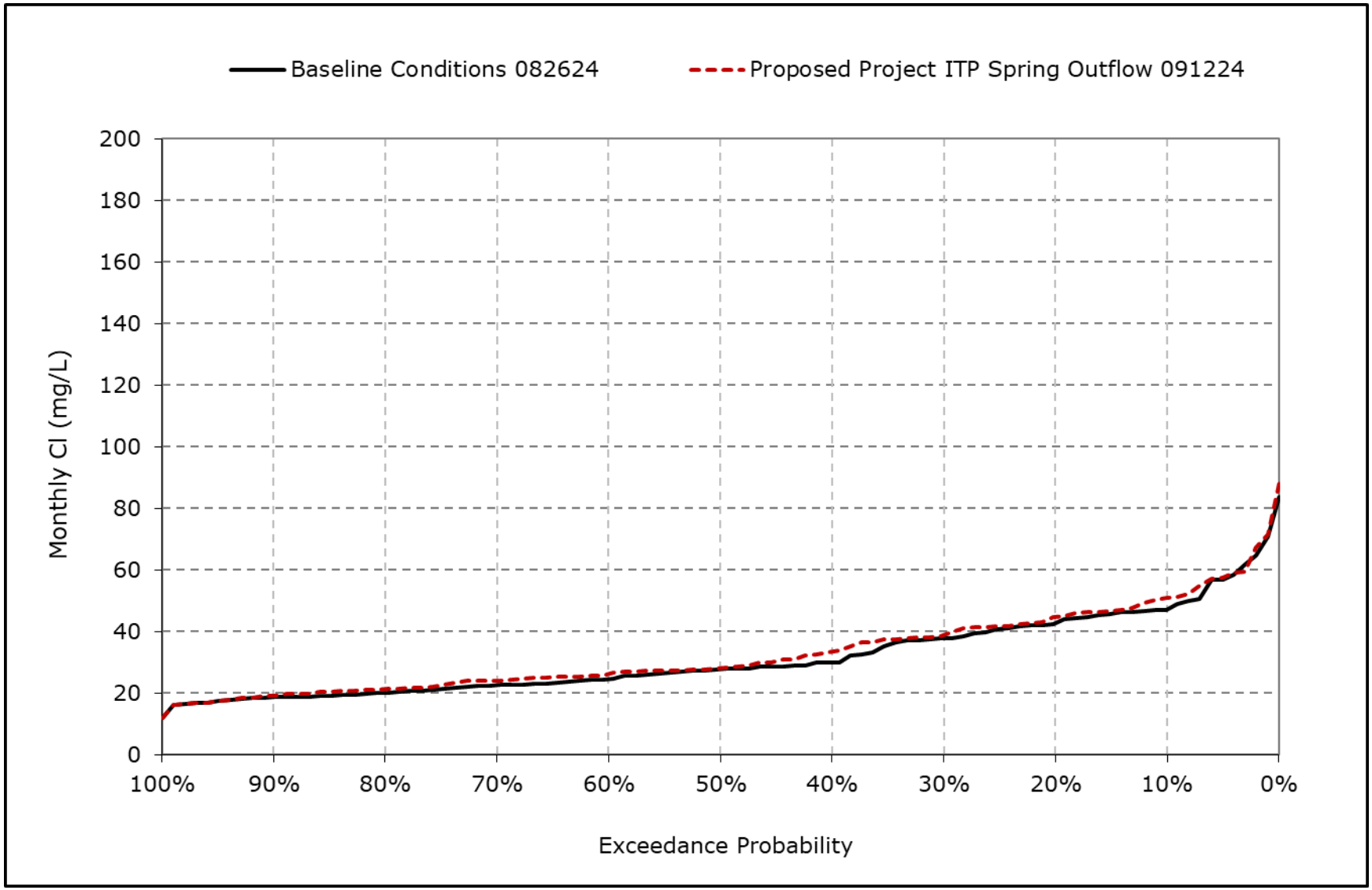
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-6p. San Joaquin River at Prisoners Point Chloride, July Cl



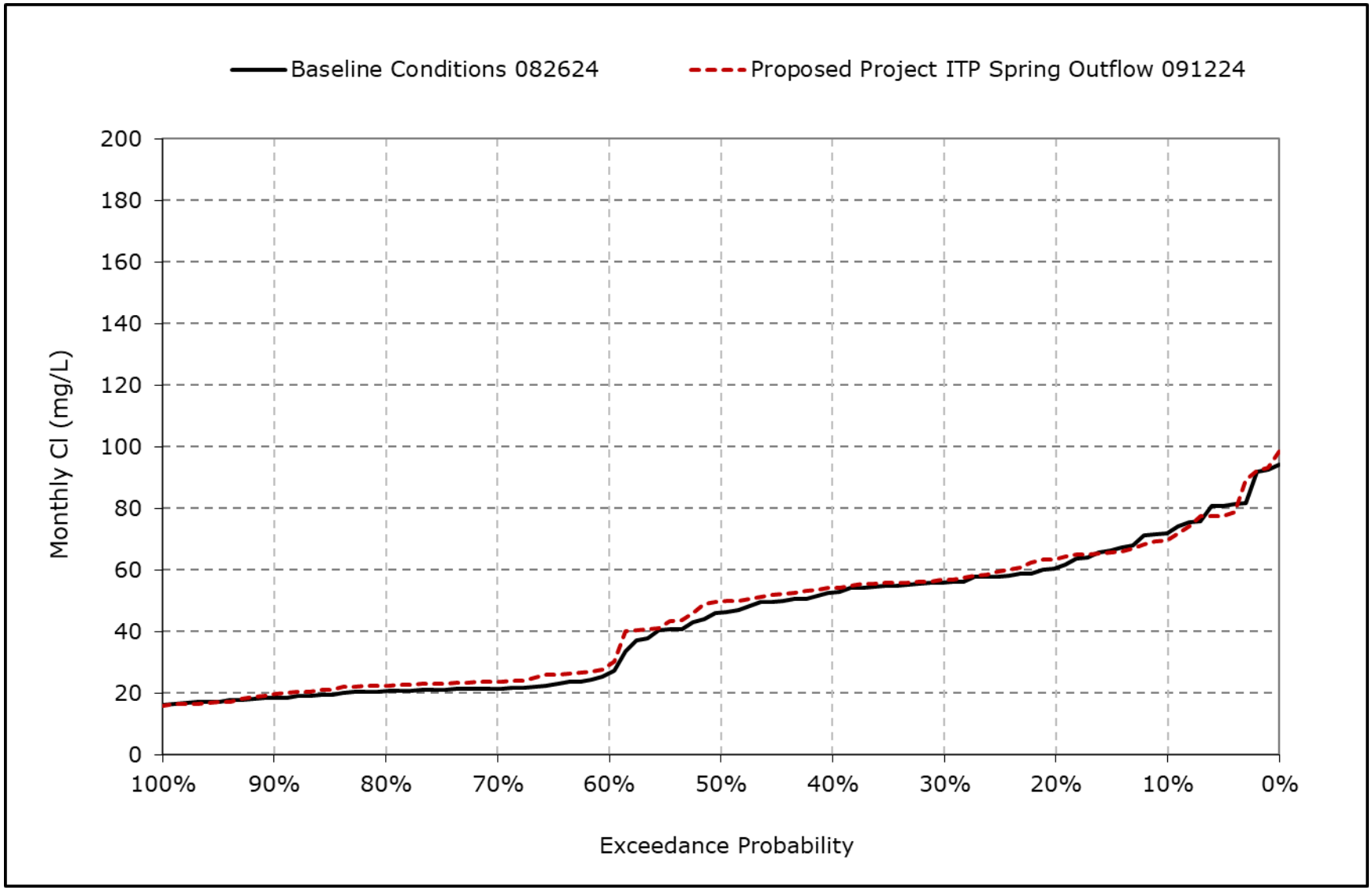
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-6q. San Joaquin River at Prisoners Point Chloride, August Cl



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

Figure 4L-8-6r. San Joaquin River at Prisoners Point Chloride, September Cl



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

Table 4L-8-7-1a. Old River at Highway 4 Chloride, Baseline Conditions 082624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	154	179	191	171	116	74	87	86	68	79	101	133
20% Exceedance	144	152	182	152	93	63	82	77	43	53	85	118
30% Exceedance	129	131	174	140	84	59	74	69	39	44	74	110
40% Exceedance	125	124	161	128	71	55	64	64	36	39	64	104
50% Exceedance	117	113	146	107	62	52	60	57	33	36	50	90
60% Exceedance	29	53	128	76	57	48	56	44	29	26	38	52
70% Exceedance	26	44	105	61	50	46	51	37	27	25	30	40
80% Exceedance	26	36	82	47	39	40	44	28	25	22	28	34
90% Exceedance	24	32	46	33	33	35	26	23	17	19	24	25
Full Simulation Period Average[a]	89	98	133	102	70	54	60	54	37	41	57	80
Wet Water Years (32%)	82	87	101	64	50	42	40	28	21	21	27	32
Above Normal Years (9%)	83	95	137	93	61	58	65	51	28	25	30	36
Below Normal Years (20%)	82	90	139	112	68	54	62	57	34	37	63	116
Dry Water Years (21%)	83	93	144	119	78	52	71	72	38	48	81	103
Critical Water Years (18%)	121	135	170	146	100	75	78	75	71	79	89	121

Table 4L-8-7-1b. Old River at Highway 4 Chloride, Proposed Project ITP Spring Outflow 091224, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	158	180	194	169	116	76	88	86	68	79	101	131
20% Exceedance	143	150	182	150	99	64	83	78	45	54	85	123
30% Exceedance	134	131	174	141	86	59	74	69	40	45	76	116
40% Exceedance	126	125	161	130	75	56	65	64	38	39	66	106
50% Exceedance	117	114	148	104	64	52	60	57	35	35	55	99
60% Exceedance	31	52	125	78	59	49	57	44	31	27	43	61
70% Exceedance	28	43	104	62	53	47	51	37	28	25	34	46
80% Exceedance	27	38	83	48	42	41	44	28	25	23	29	41
90% Exceedance	25	32	47	34	34	35	26	21	17	19	25	29
Full Simulation Period Average[a]	91	99	133	103	71	54	60	54	38	41	59	84
Wet Water Years (32%)	84	89	100	64	51	41	39	28	22	21	28	38
Above Normal Years (9%)	85	94	139	97	64	58	65	50	30	25	35	43
Below Normal Years (20%)	83	90	140	112	71	55	63	57	36	37	64	115
Dry Water Years (21%)	83	92	144	116	80	54	72	73	40	49	86	111
Critical Water Years (18%)	123	136	170	147	102	76	79	75	71	78	88	121

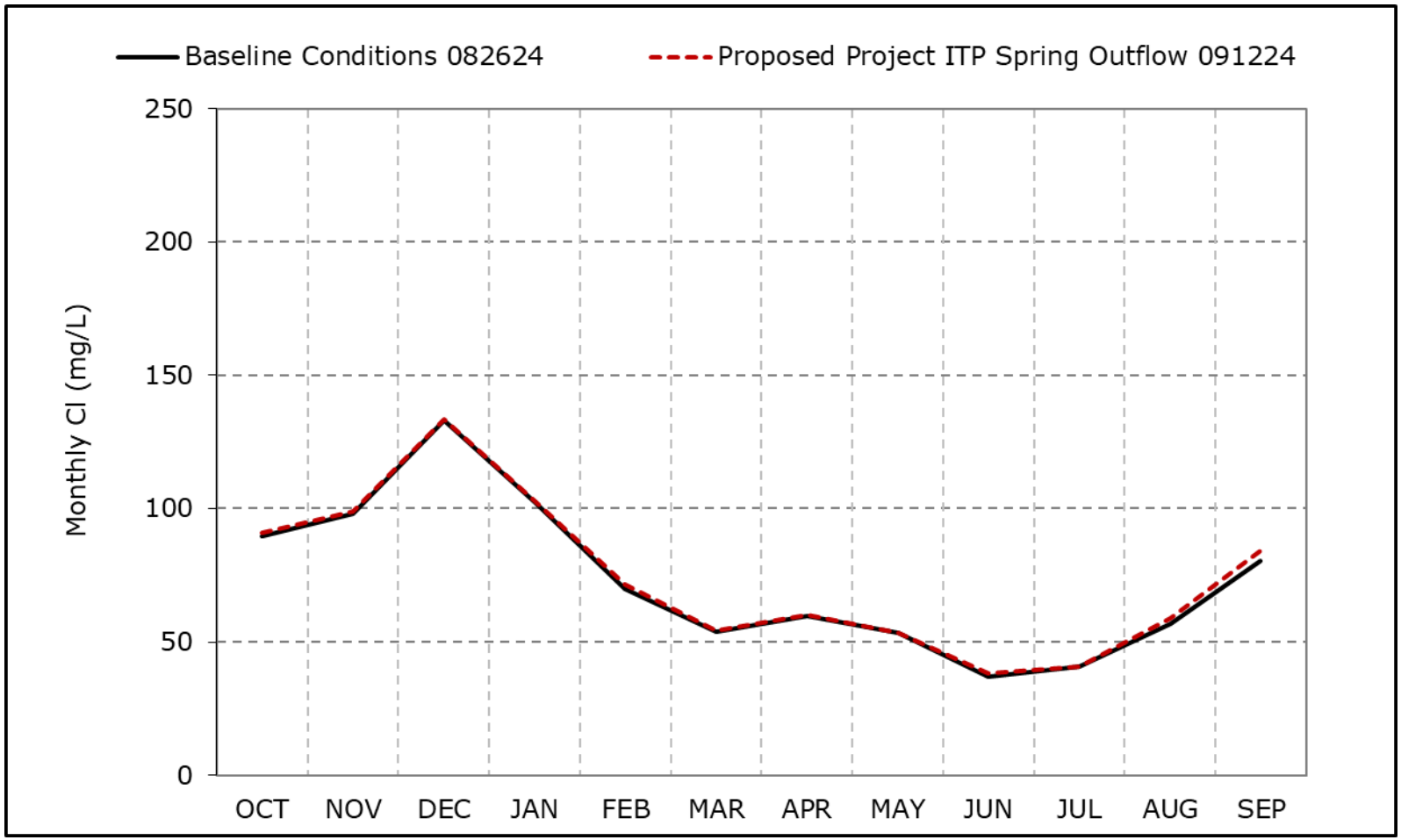
Table 4L-8-7-1c. Old River at Highway 4 Chloride, Proposed Project ITP Spring Outflow 091224 minus Baseline Conditions 082624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	5	1	3	-2	0	2	1	0	0	0	0	-3
20% Exceedance	-1	-2	0	-2	6	1	0	0	1	1	0	5
30% Exceedance	4	0	0	1	2	0	0	0	2	1	2	6
40% Exceedance	1	1	-1	2	4	1	0	0	2	0	2	1
50% Exceedance	0	1	2	-3	2	0	0	0	2	-1	5	8
60% Exceedance	2	-1	-3	2	2	1	1	0	1	0	5	8
70% Exceedance	2	-1	0	1	3	1	0	0	1	0	4	6
80% Exceedance	1	2	1	1	2	1	0	0	1	0	1	7
90% Exceedance	1	1	1	1	1	-1	0	-1	0	0	1	4
Full Simulation Period Average[a]	1	1	0	0	2	1	0	0	1	0	2	4
Wet Water Years (32%)	2	2	-1	0	1	-1	-1	0	1	0	2	5
Above Normal Years (9%)	2	-1	2	3	3	0	0	-1	1	0	5	7
Below Normal Years (20%)	1	0	1	1	3	2	1	0	2	0	1	-1
Dry Water Years (21%)	0	0	0	-3	1	2	1	0	2	0	5	8
Critical Water Years (18%)	2	1	0	2	1	1	0	0	0	-1	-1	1

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

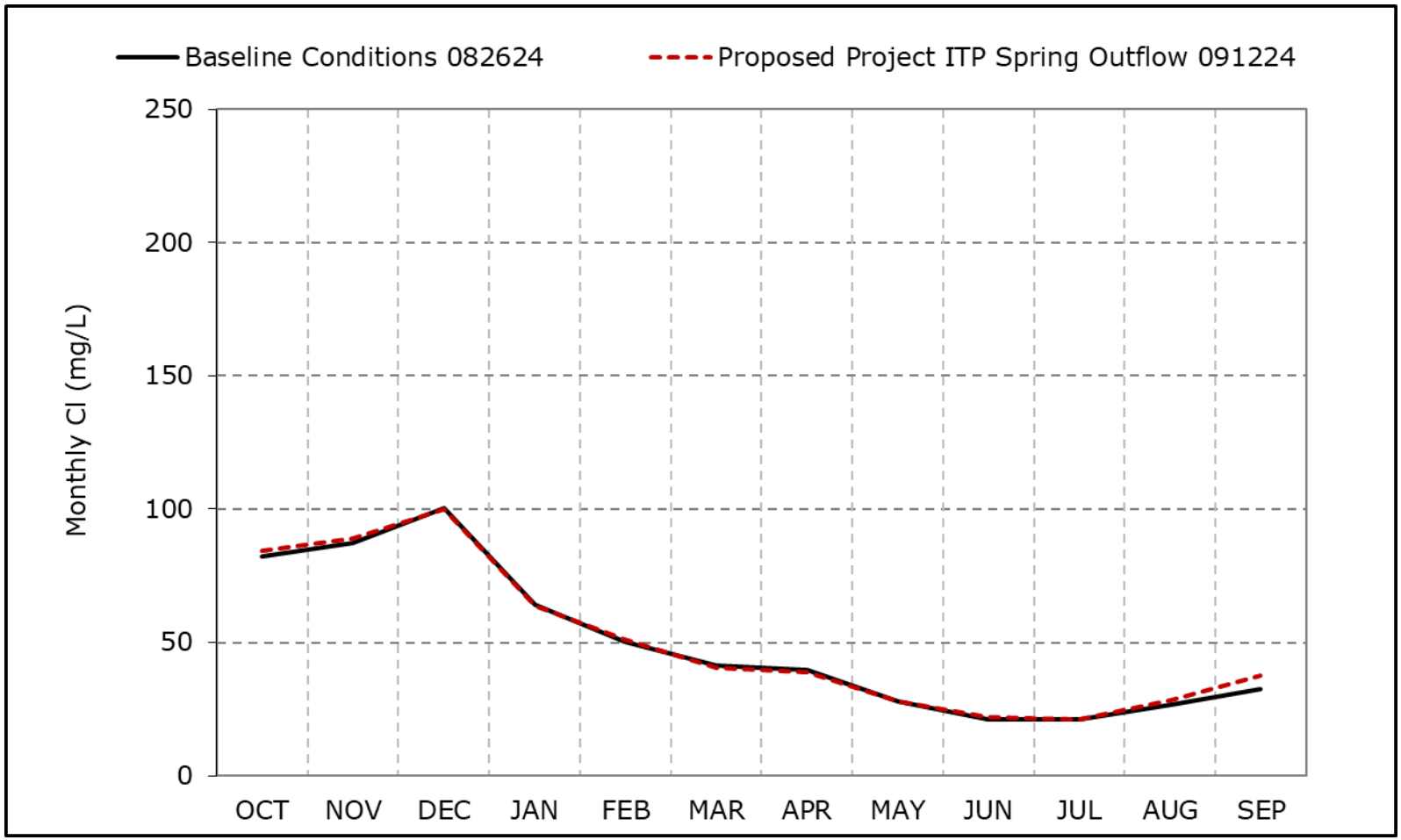
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4L-8-7a. Old River at Highway 4 Chloride, Long-Term Average Cl



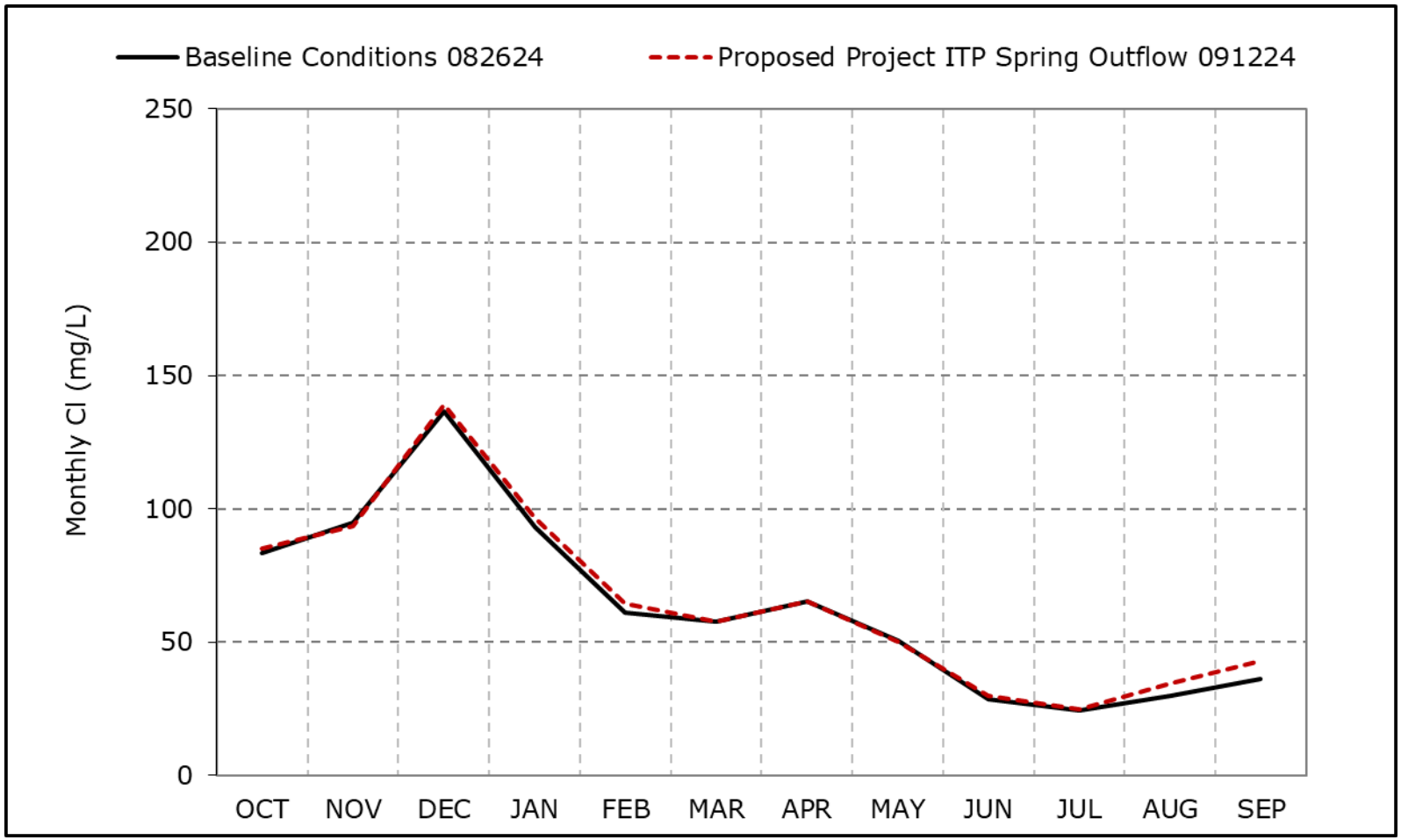
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-7b. Old River at Highway 4 Chloride, Wet Year Average Cl



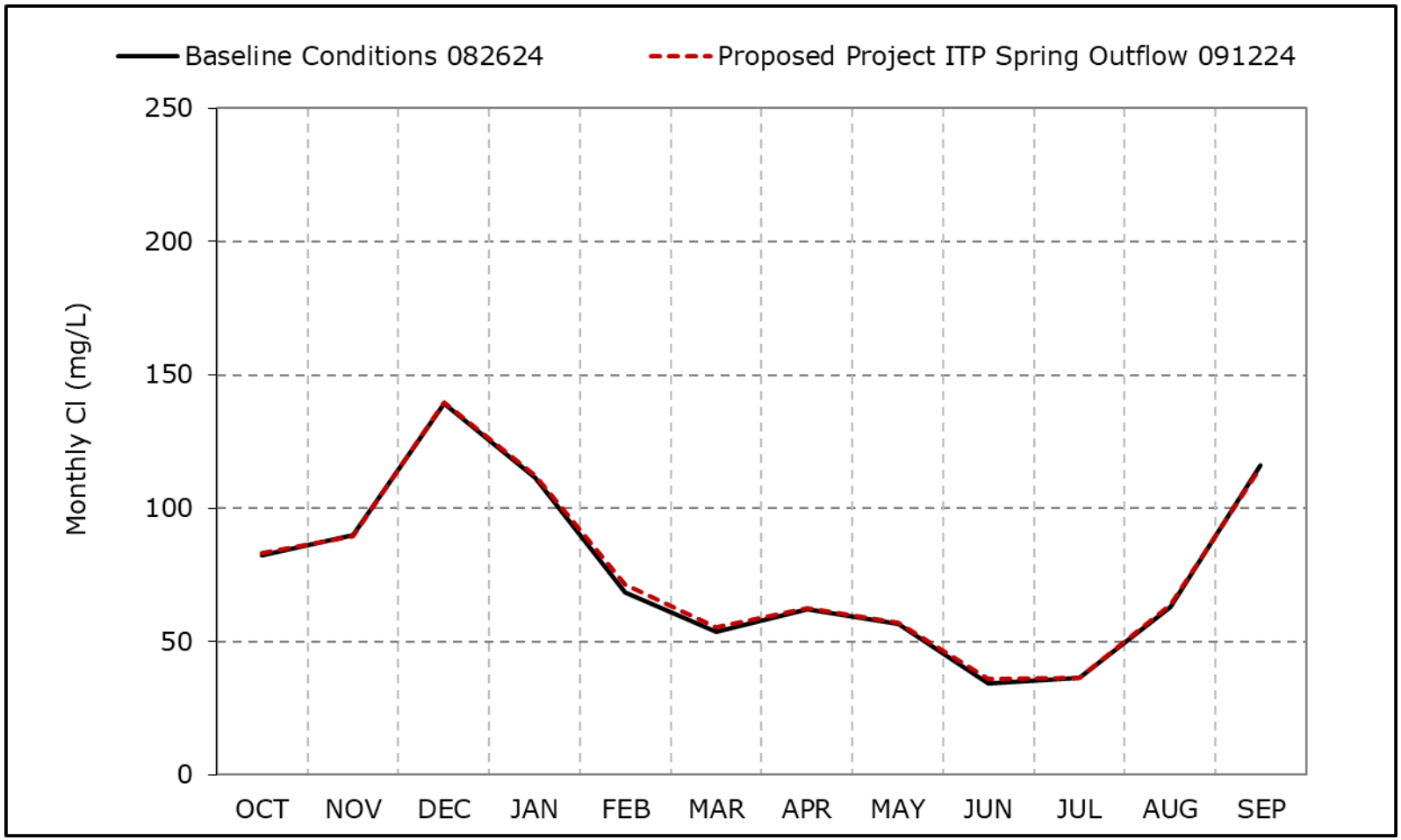
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-7c. Old River at Highway 4 Chloride, Above Normal Year Average Cl



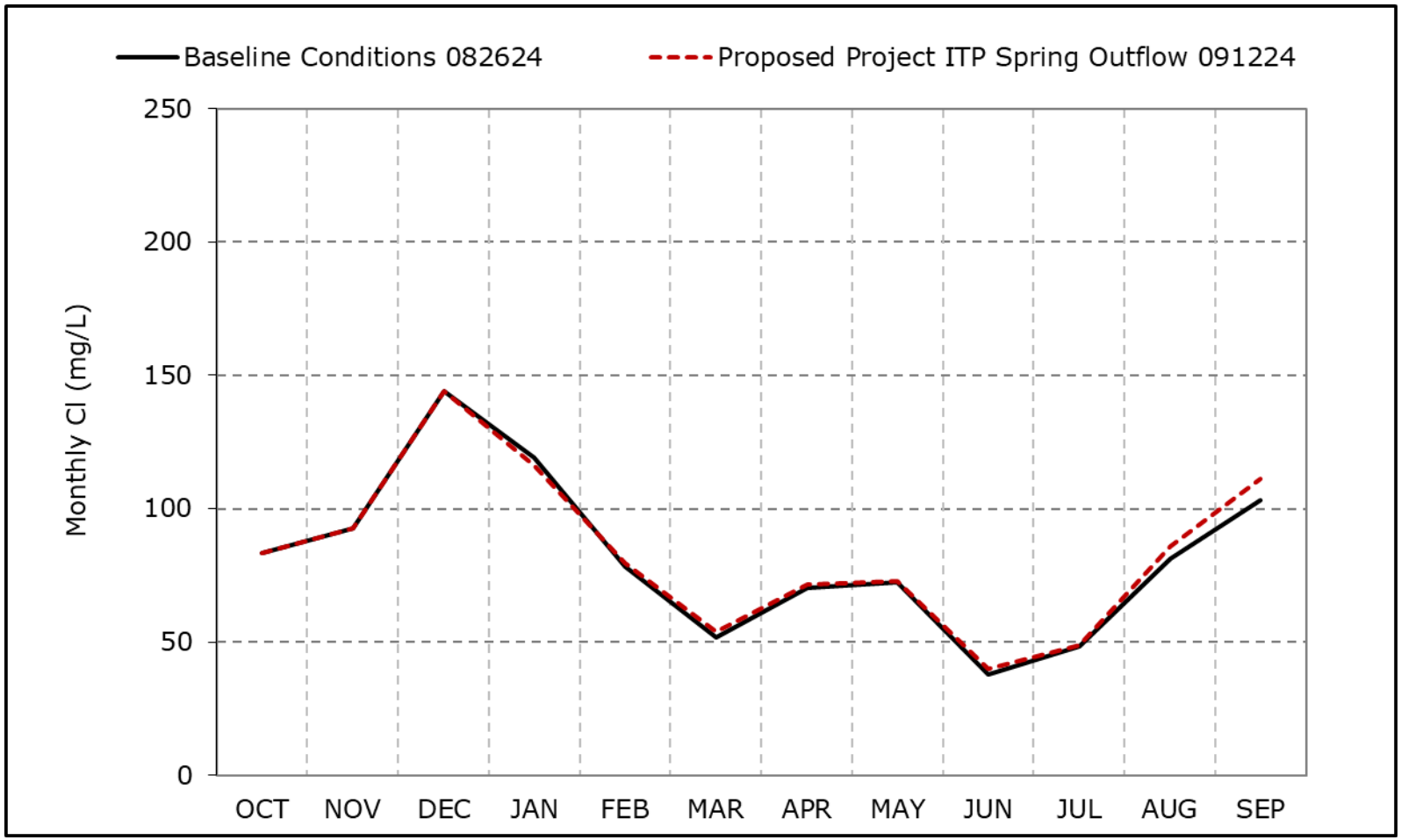
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-7d. Old River at Highway 4 Chloride, Below Normal Year Average Cl



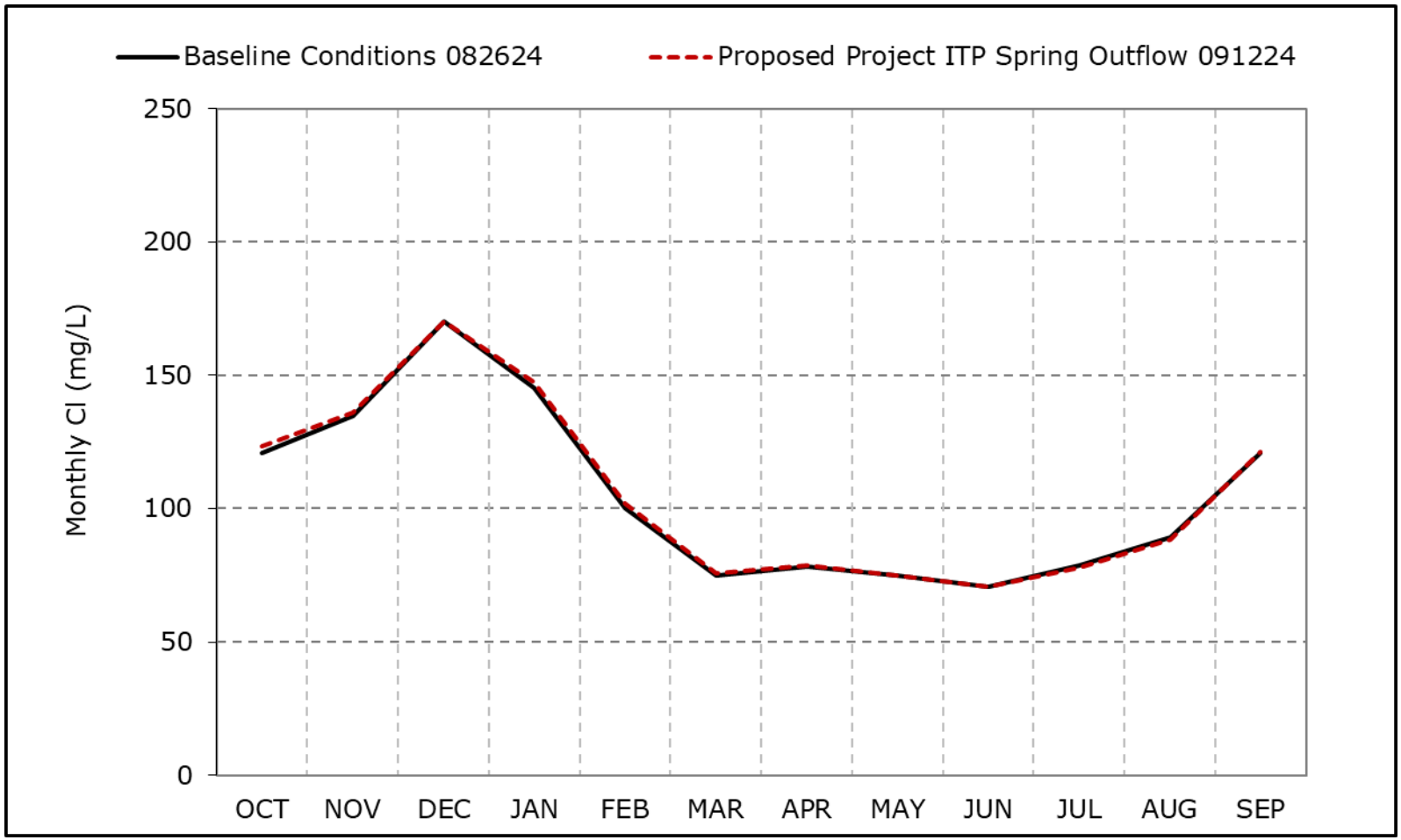
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-7e. Old River at Highway 4 Chloride, Dry Year Average Cl



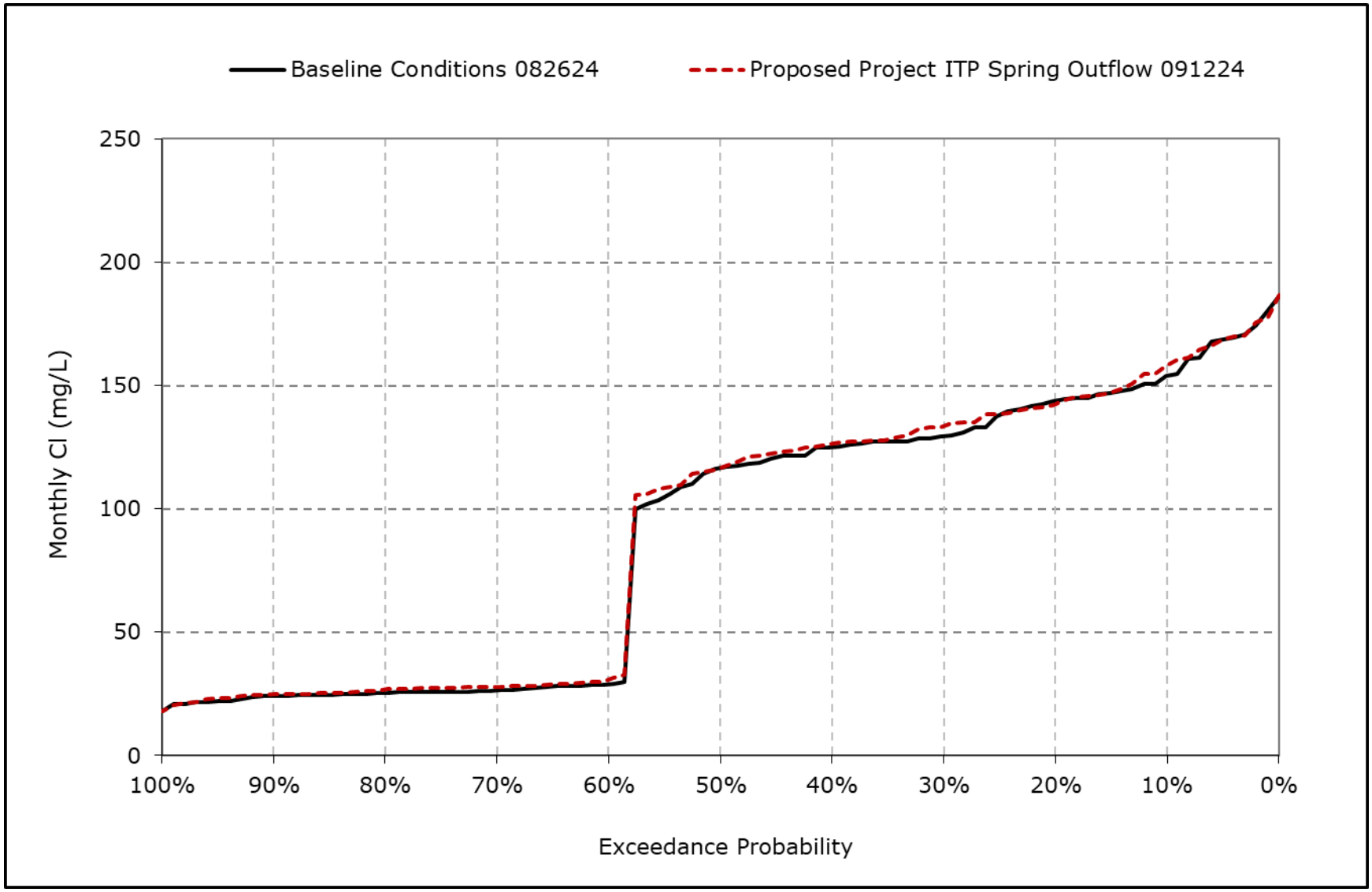
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-7f. Old River at Highway 4 Chloride, Critical Year Average Cl



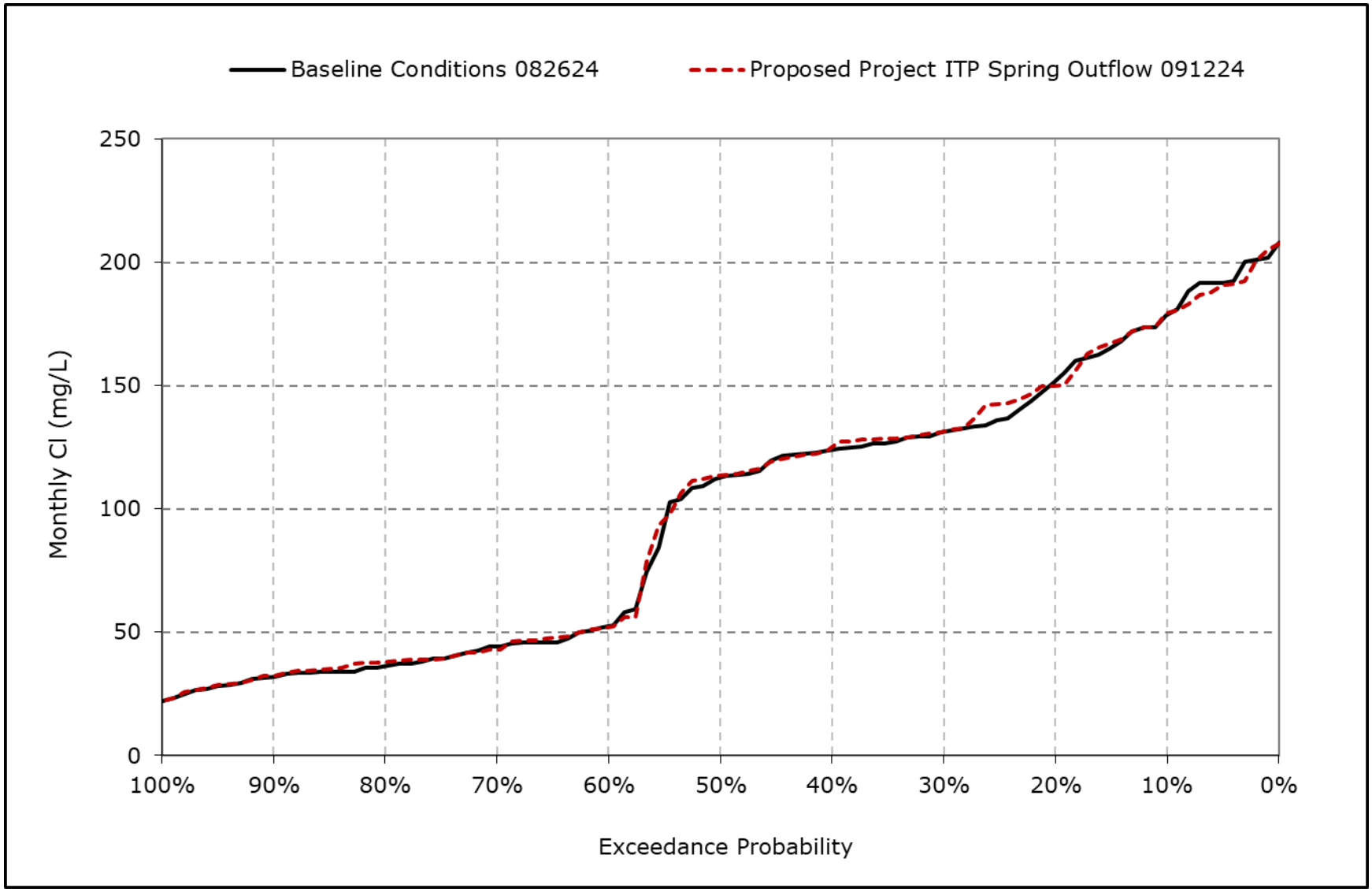
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-7g. Old River at Highway 4 Chloride, October Cl



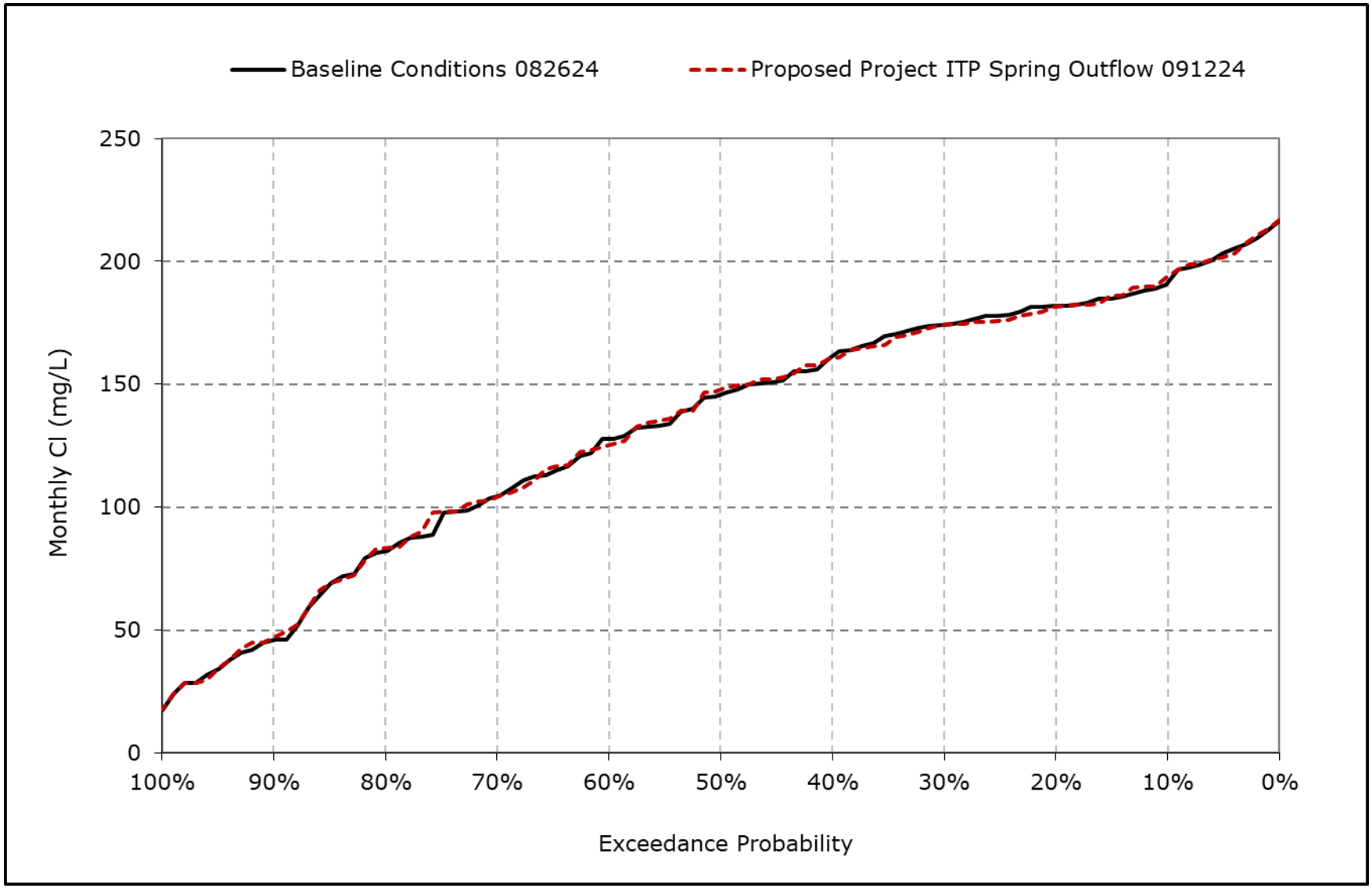
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-7h. Old River at Highway 4 Chloride, November Cl



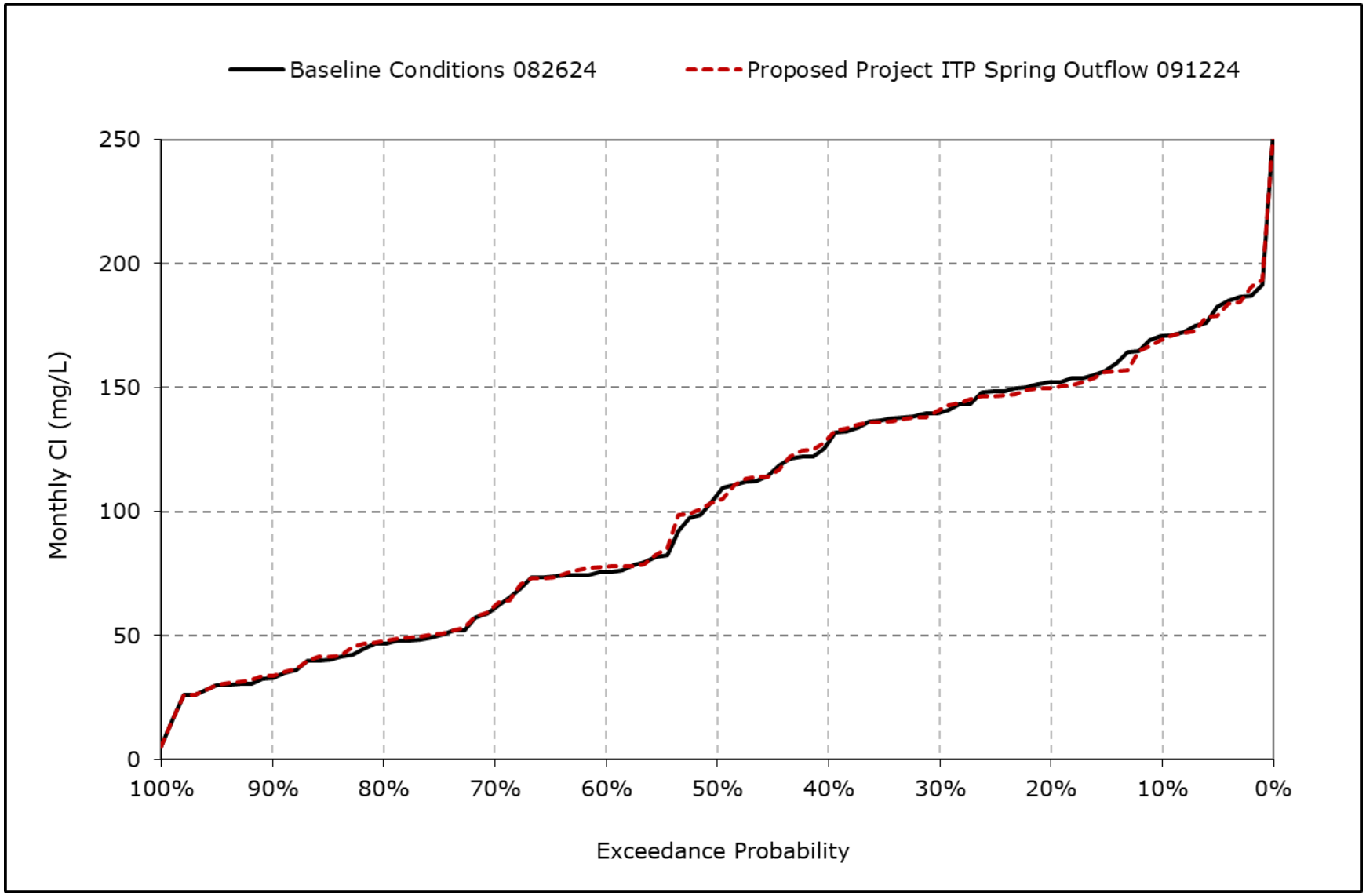
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-7i. Old River at Highway 4 Chloride, December Cl



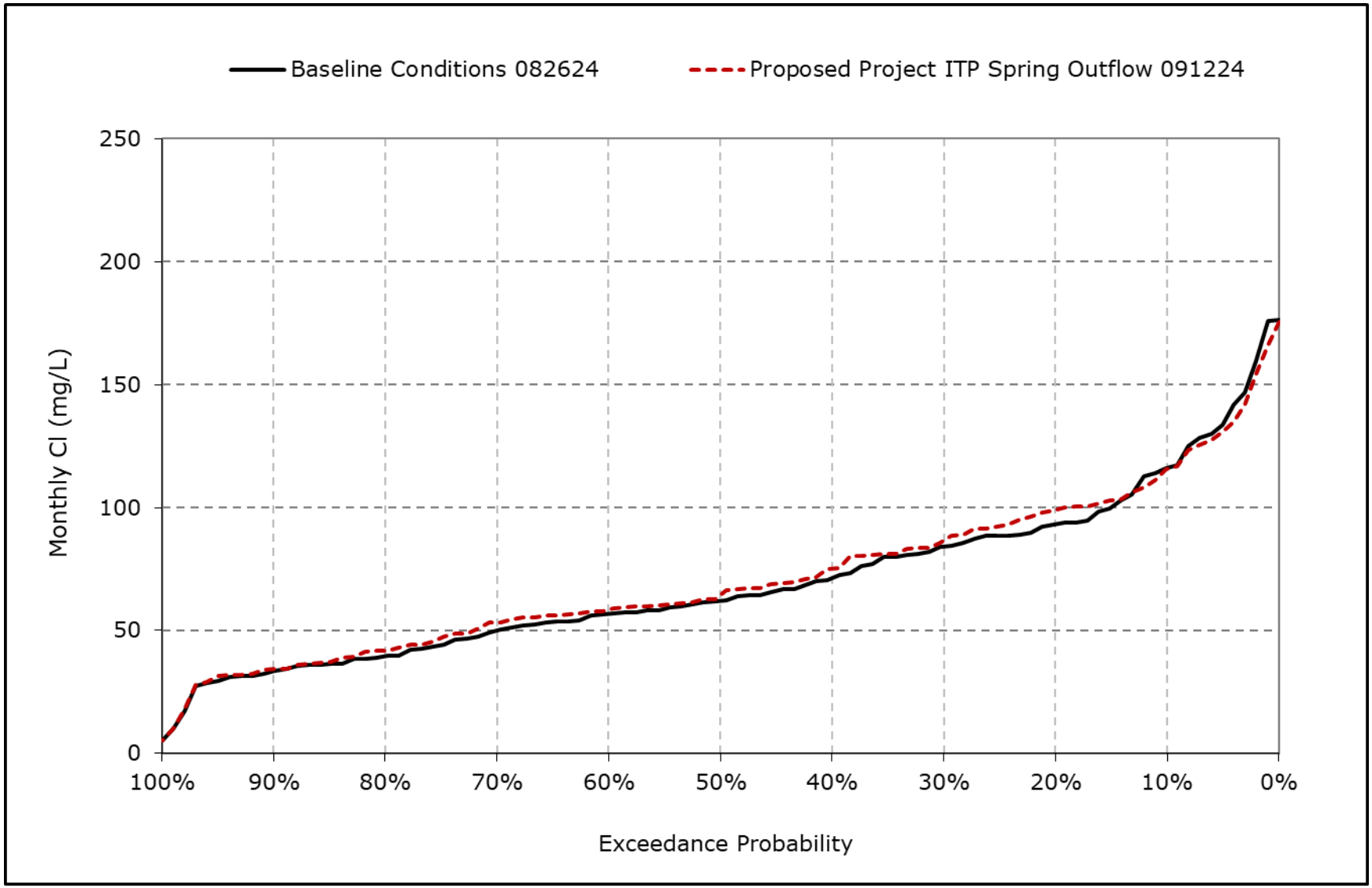
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-7j. Old River at Highway 4 Chloride, January Cl



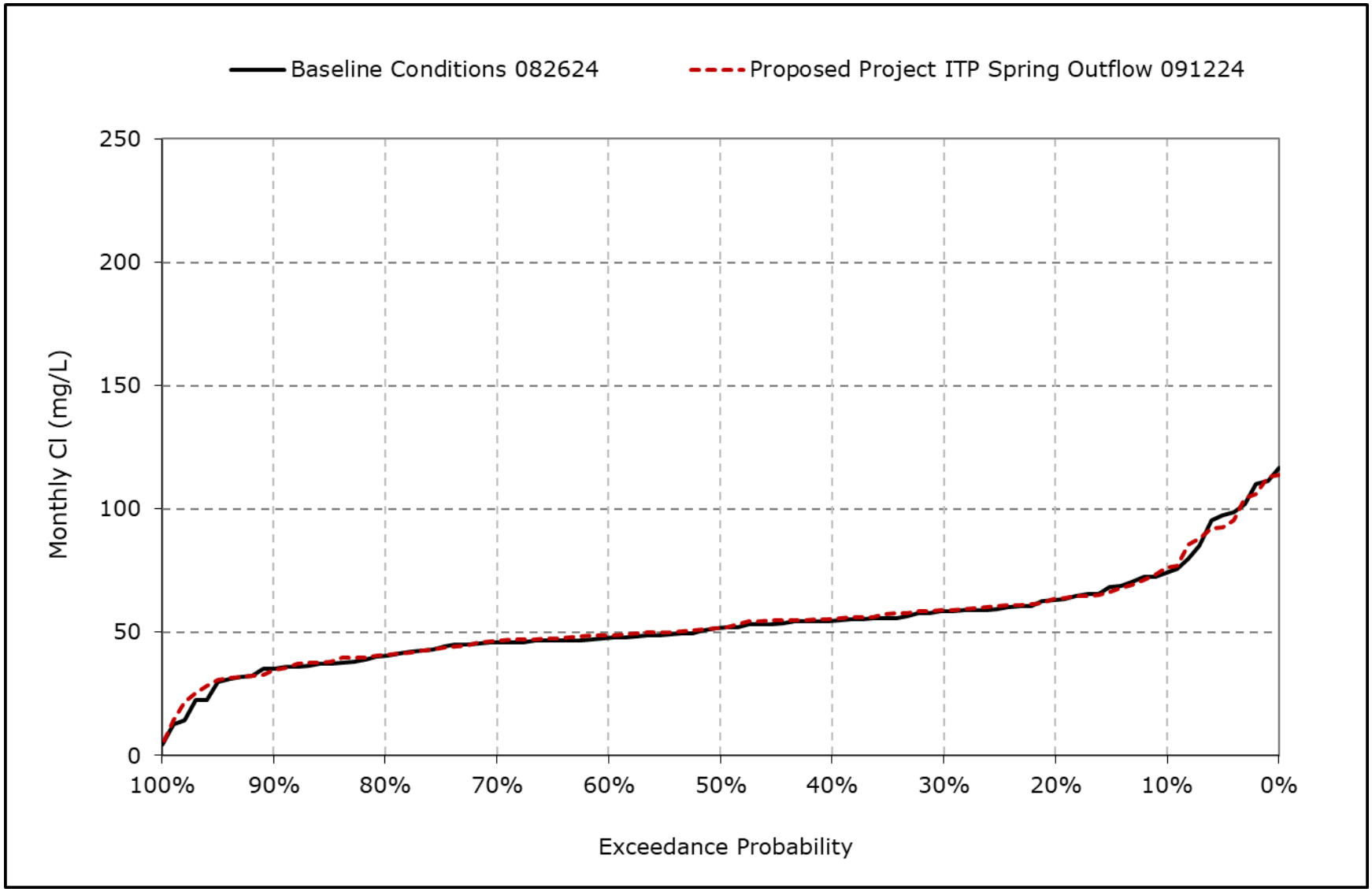
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-7k. Old River at Highway 4 Chloride, February Cl



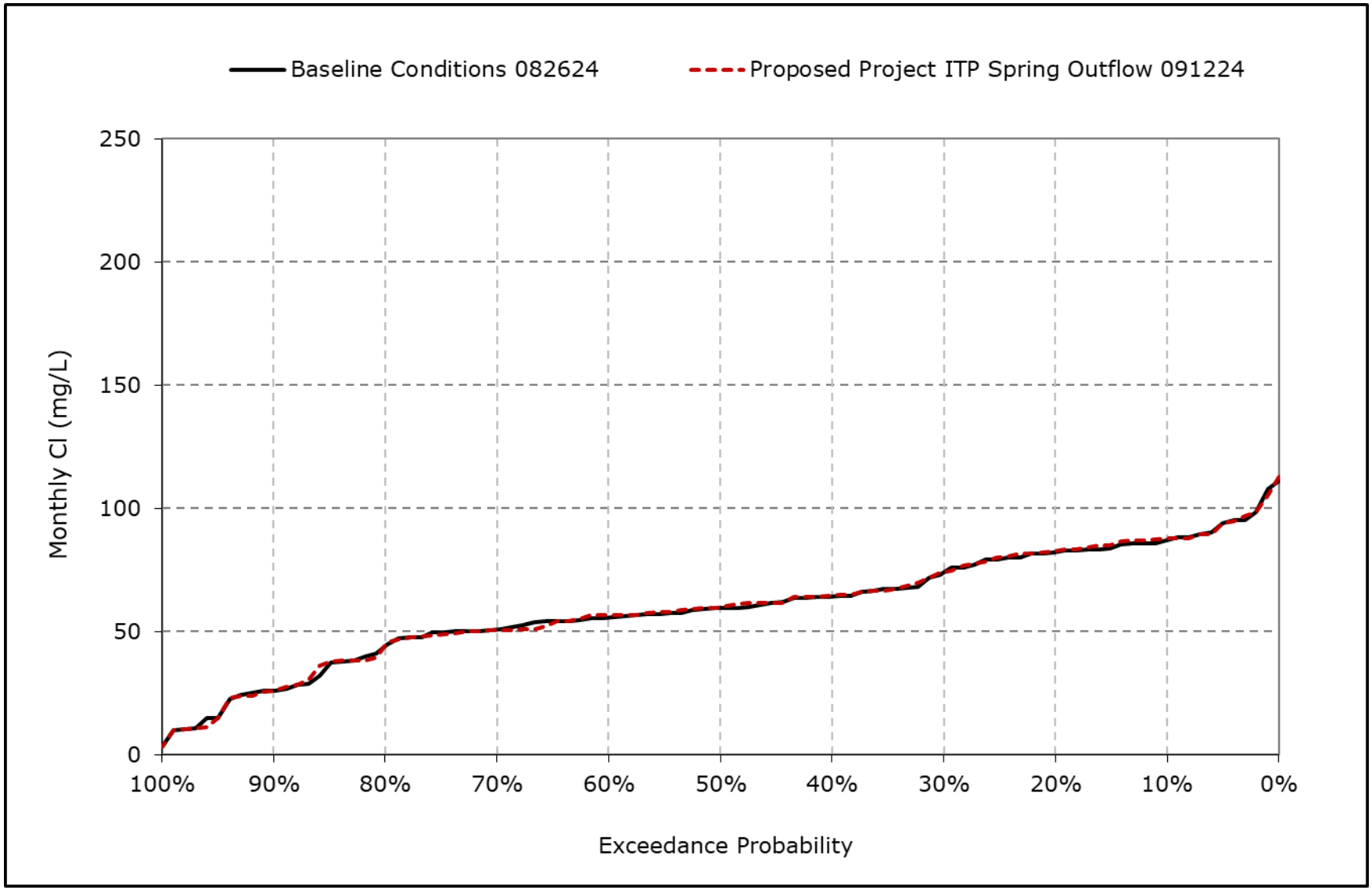
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-7l. Old River at Highway 4 Chloride, March Cl



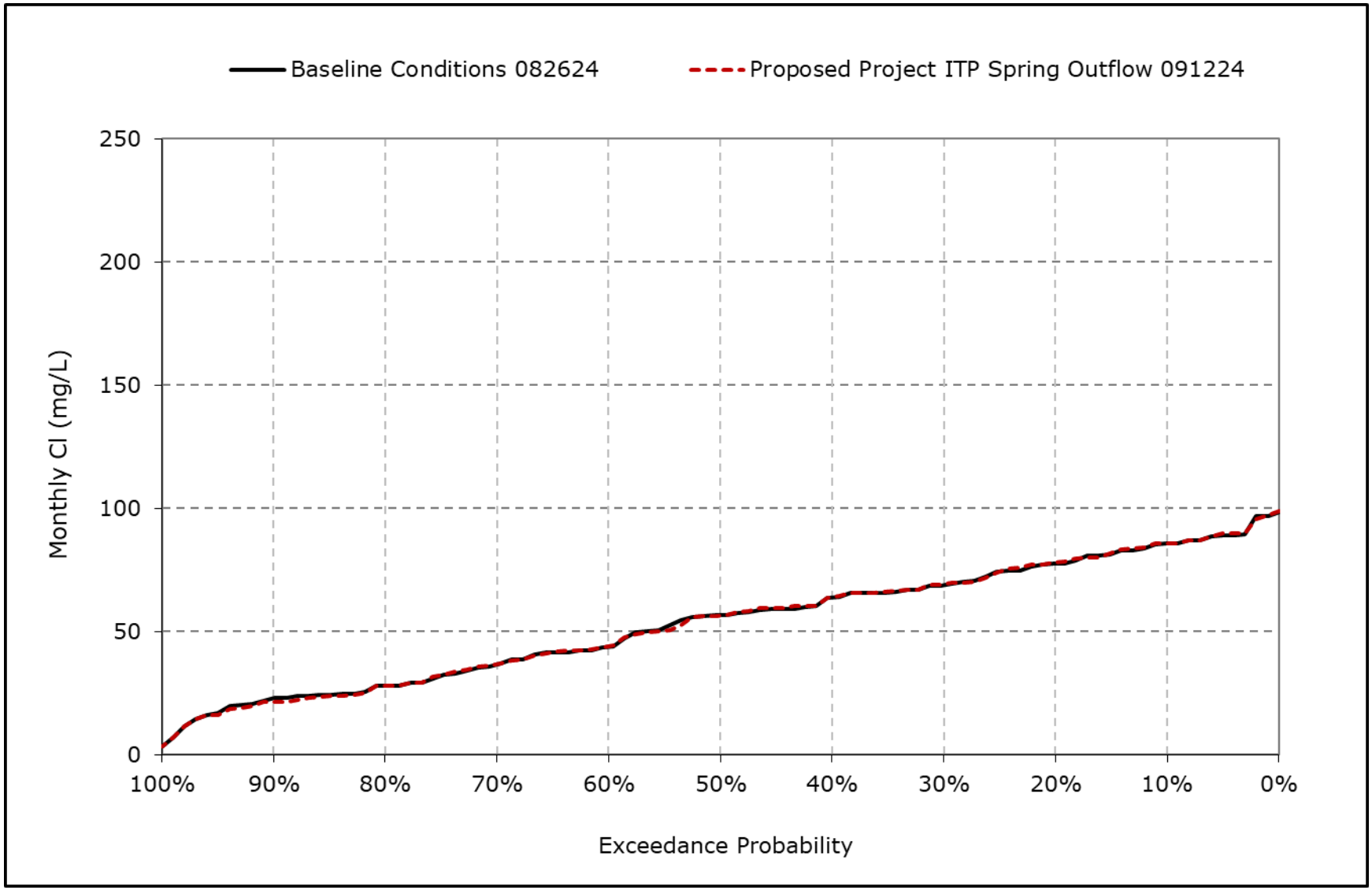
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-7m. Old River at Highway 4 Chloride, April Cl



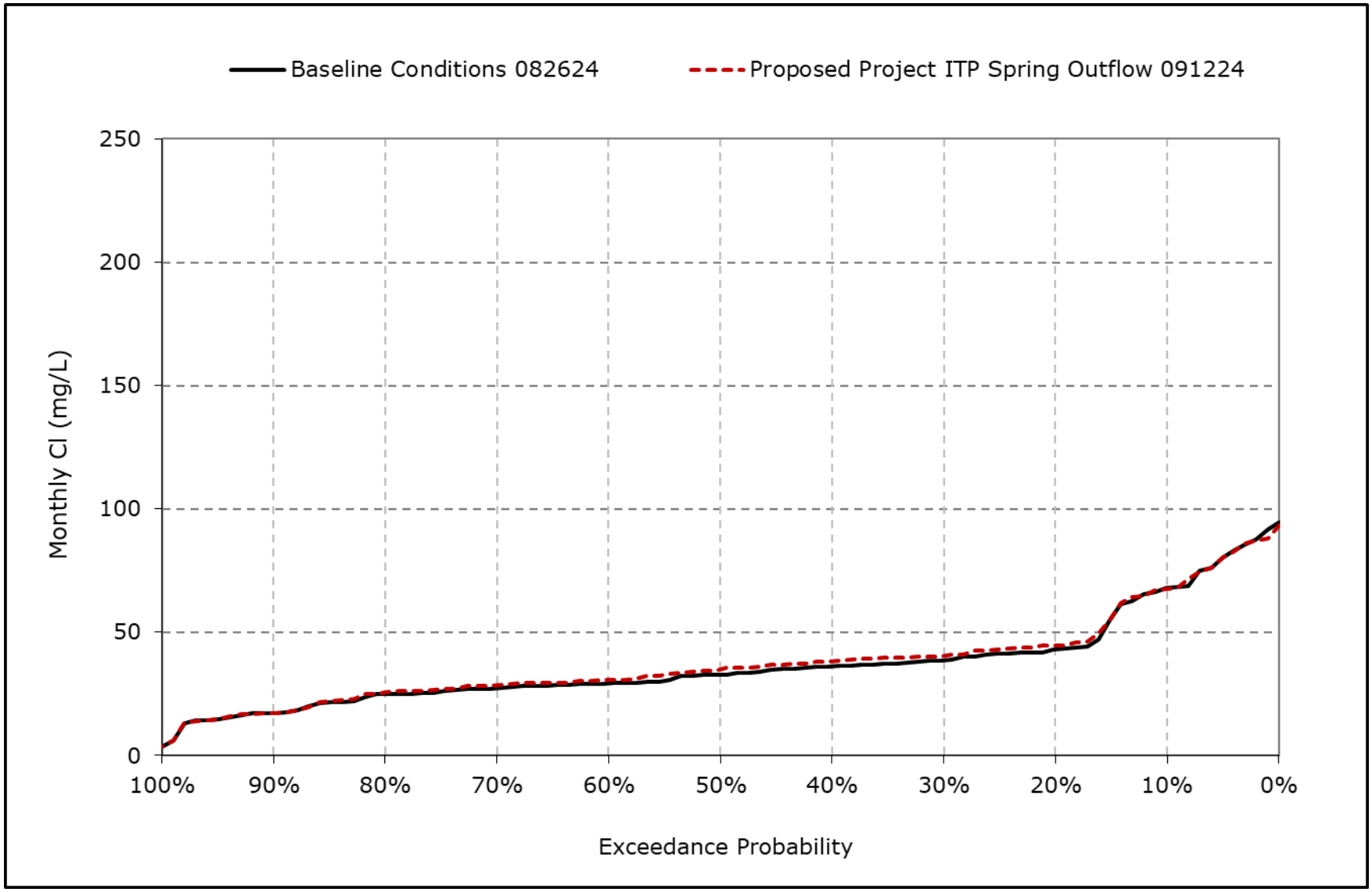
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-7n. Old River at Highway 4 Chloride, May Cl



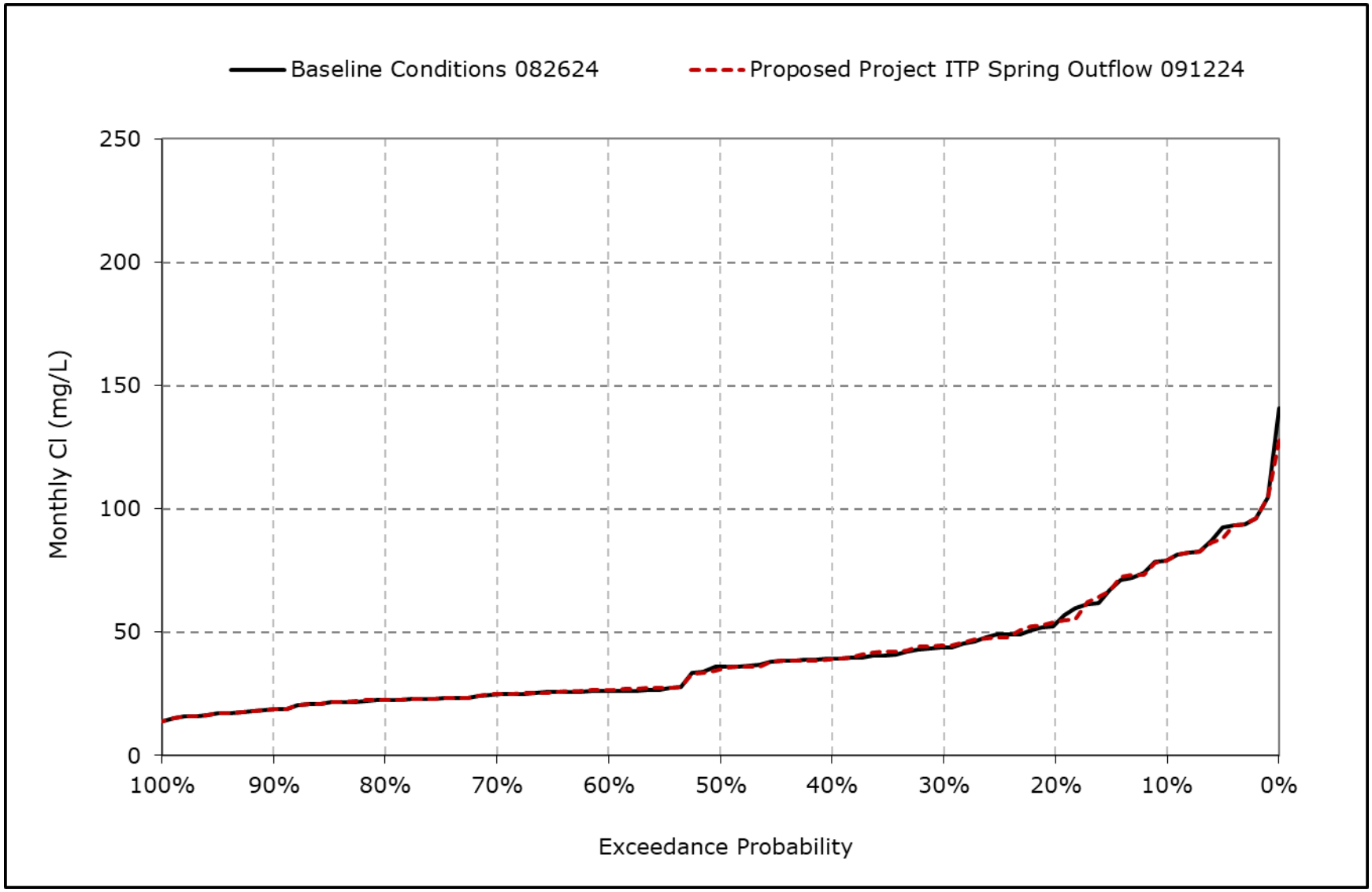
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-7o. Old River at Highway 4 Chloride, June Cl



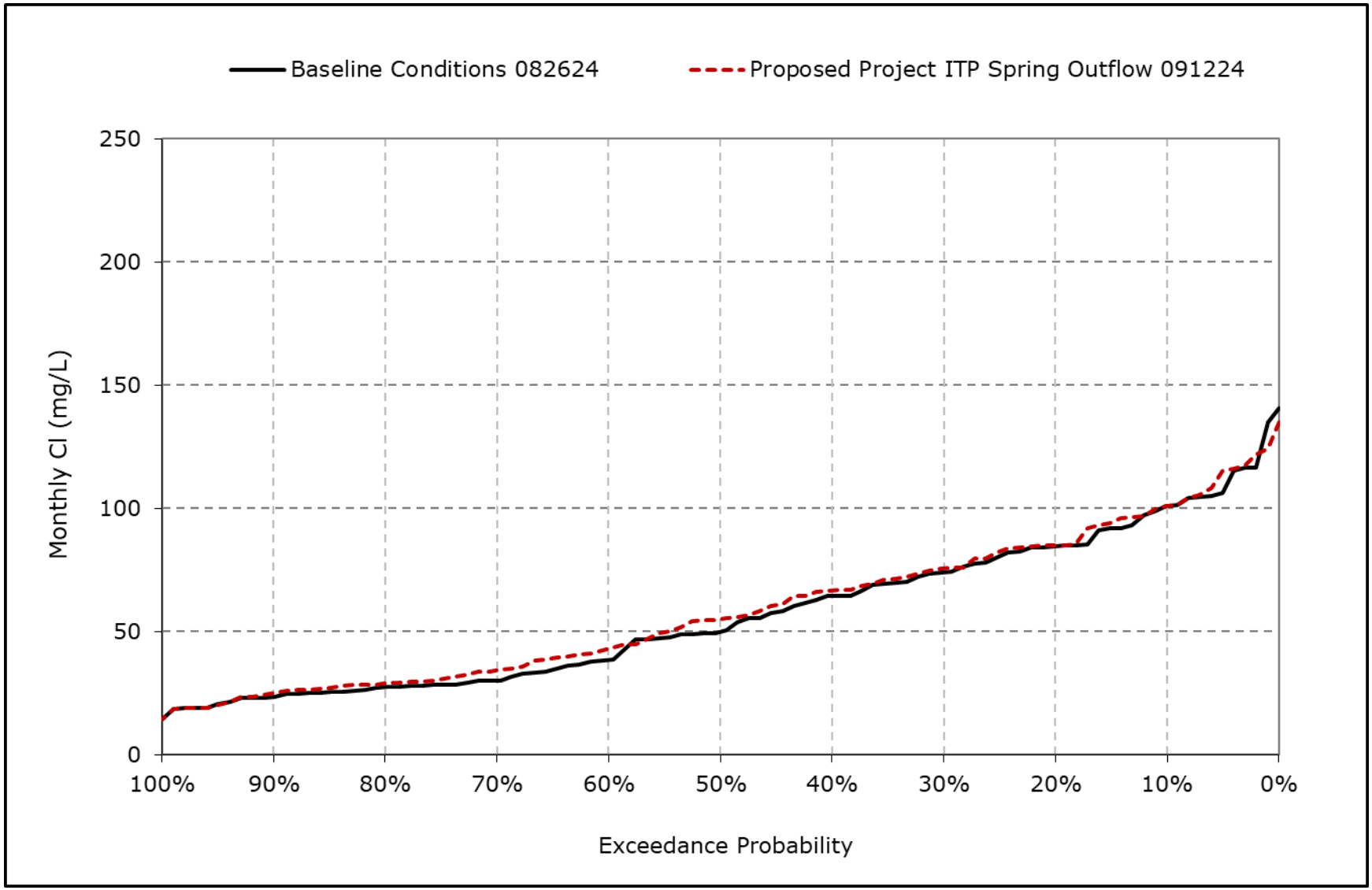
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-7p. Old River at Highway 4 Chloride, July Cl



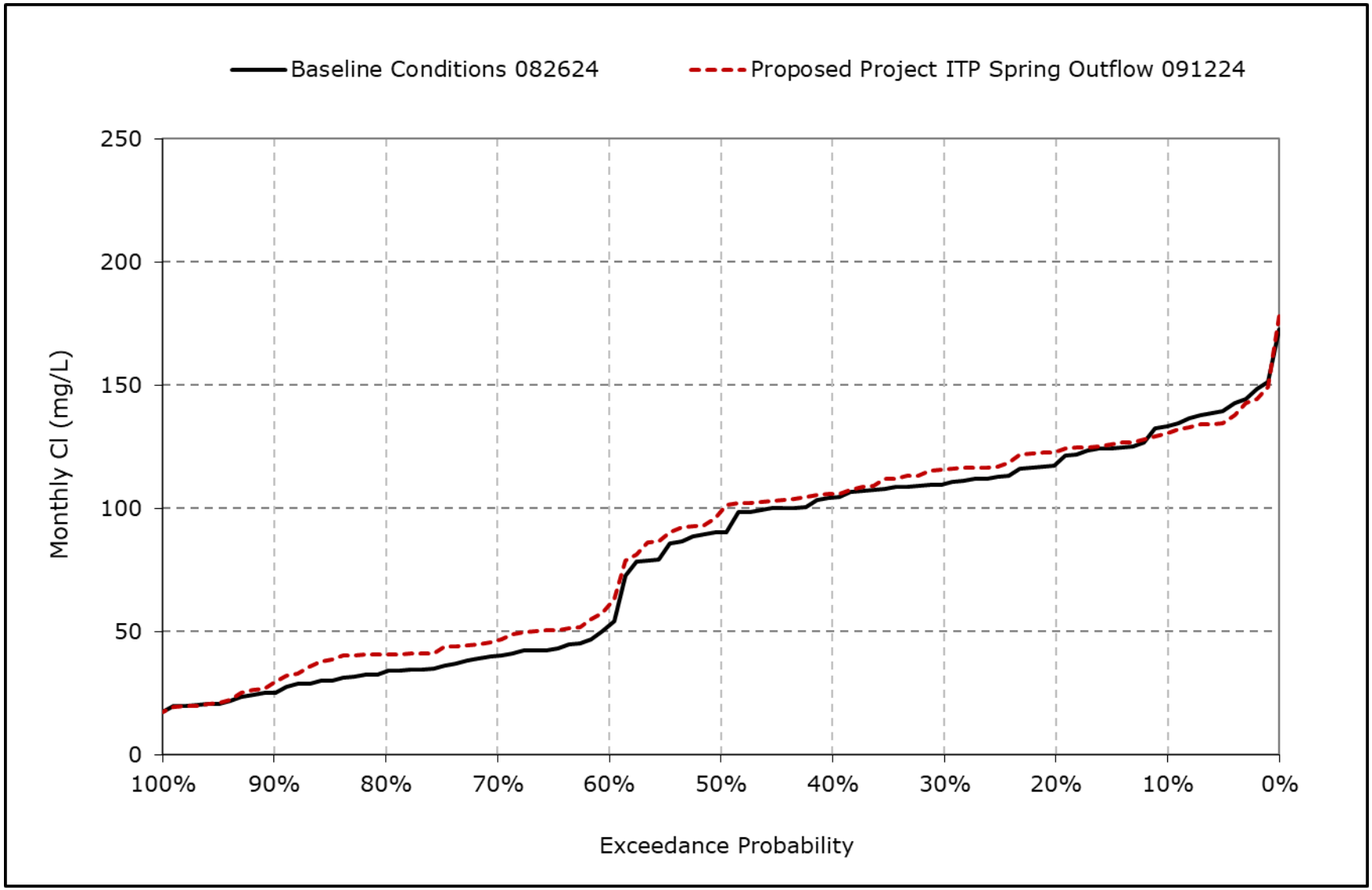
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-7q. Old River at Highway 4 Chloride, August Cl



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

Figure 4L-8-7r. Old River at Highway 4 Chloride, September Cl



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

Table 4L-8-8-1a. Victoria Canal Chloride, Baseline Conditions 082624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	94	124	130	137	121	104	103	97	66	60	63	72
20% Exceedance	80	91	119	128	109	90	97	83	50	34	52	63
30% Exceedance	74	80	112	120	101	82	90	78	47	30	41	57
40% Exceedance	71	72	106	113	92	79	81	69	44	29	35	51
50% Exceedance	63	66	99	101	87	75	75	66	41	28	30	47
60% Exceedance	39	44	90	85	81	72	69	53	37	27	28	32
70% Exceedance	33	35	77	76	68	64	55	41	35	26	26	28
80% Exceedance	31	33	70	63	60	59	39	29	28	25	25	27
90% Exceedance	29	31	52	51	49	46	24	19	14	20	23	26
Full Simulation Period Average[a]	59	67	95	97	86	74	70	59	40	32	37	46
Wet Water Years (32%)	53	58	80	80	67	56	42	30	23	22	24	27
Above Normal Years (9%)	60	70	101	103	96	90	84	59	36	26	24	28
Below Normal Years (20%)	56	61	93	99	92	82	74	63	41	27	31	52
Dry Water Years (21%)	57	61	95	99	90	75	87	83	46	31	46	54
Critical Water Years (18%)	77	92	119	119	104	90	88	79	65	59	61	74

Table 4L-8-8-1b. Victoria Canal Chloride, Proposed Project ITP Spring Outflow 091224, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	92	122	130	136	123	106	104	97	66	60	62	70
20% Exceedance	80	91	117	127	110	91	97	83	52	34	52	65
30% Exceedance	76	80	112	120	103	84	91	79	48	31	44	59
40% Exceedance	71	71	106	115	96	81	82	69	45	29	35	56
50% Exceedance	66	66	100	100	91	77	75	66	43	28	31	49
60% Exceedance	39	44	90	88	81	73	70	54	39	27	28	34
70% Exceedance	33	35	78	76	70	65	55	41	37	26	26	29
80% Exceedance	31	33	70	66	61	59	39	29	29	25	25	27
90% Exceedance	29	31	54	52	50	46	24	18	14	20	24	26
Full Simulation Period Average[a]	60	67	95	97	88	75	70	59	42	32	37	47
Wet Water Years (32%)	54	59	80	81	68	54	42	30	24	23	24	27
Above Normal Years (9%)	61	69	102	105	99	91	84	58	38	26	25	29
Below Normal Years (20%)	57	61	93	100	95	84	74	63	43	28	32	52
Dry Water Years (21%)	56	60	95	98	92	78	89	83	48	31	47	58
Critical Water Years (18%)	78	93	119	120	107	92	88	79	65	58	61	74

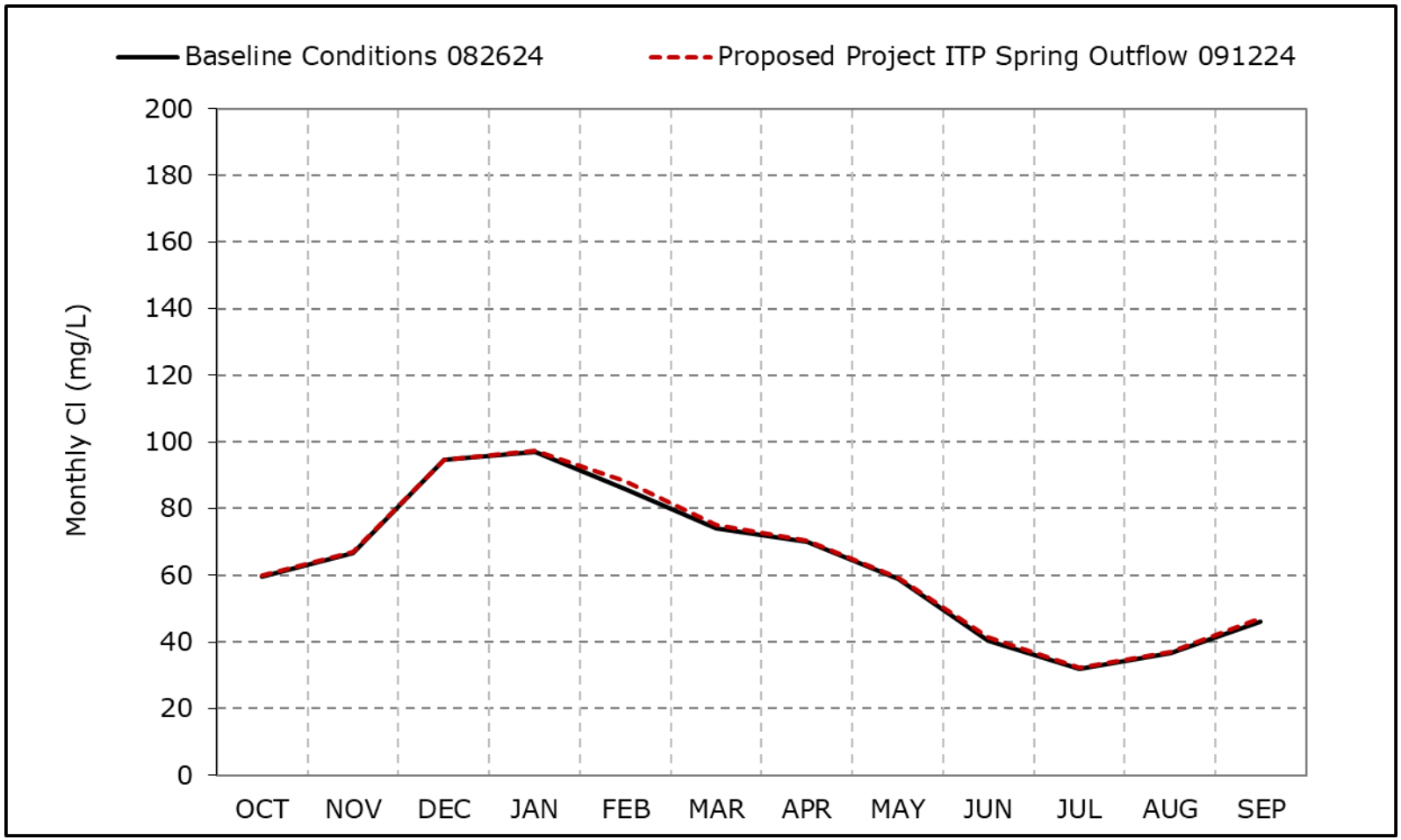
Table 4L-8-8-1c. Victoria Canal Chloride, Proposed Project ITP Spring Outflow 091224 minus Baseline Conditions 082624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1	-2	0	-1	2	3	0	0	0	0	-1	-2
20% Exceedance	0	0	-2	-1	1	1	0	0	3	0	0	2
30% Exceedance	2	0	0	-1	2	2	0	0	1	0	3	2
40% Exceedance	0	-1	0	2	4	2	0	0	1	0	0	5
50% Exceedance	4	1	1	-1	4	2	0	0	2	0	1	2
60% Exceedance	-1	0	0	3	1	1	1	0	2	0	0	2
70% Exceedance	0	1	1	0	2	0	0	0	2	0	0	1
80% Exceedance	0	0	0	2	2	0	0	0	1	0	0	0
90% Exceedance	0	0	2	0	0	0	0	0	0	0	0	1
Full Simulation Period Average[a]	0	0	0	0	2	1	0	0	1	0	0	1
Wet Water Years (32%)	1	1	0	0	1	-1	0	0	1	0	0	0
Above Normal Years (9%)	1	0	1	3	3	0	0	0	2	0	1	1
Below Normal Years (20%)	1	0	0	1	3	2	1	0	2	0	0	0
Dry Water Years (21%)	-1	-1	0	-1	2	3	1	0	2	0	1	4
Critical Water Years (18%)	1	1	0	1	3	2	1	0	0	-1	-1	0

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

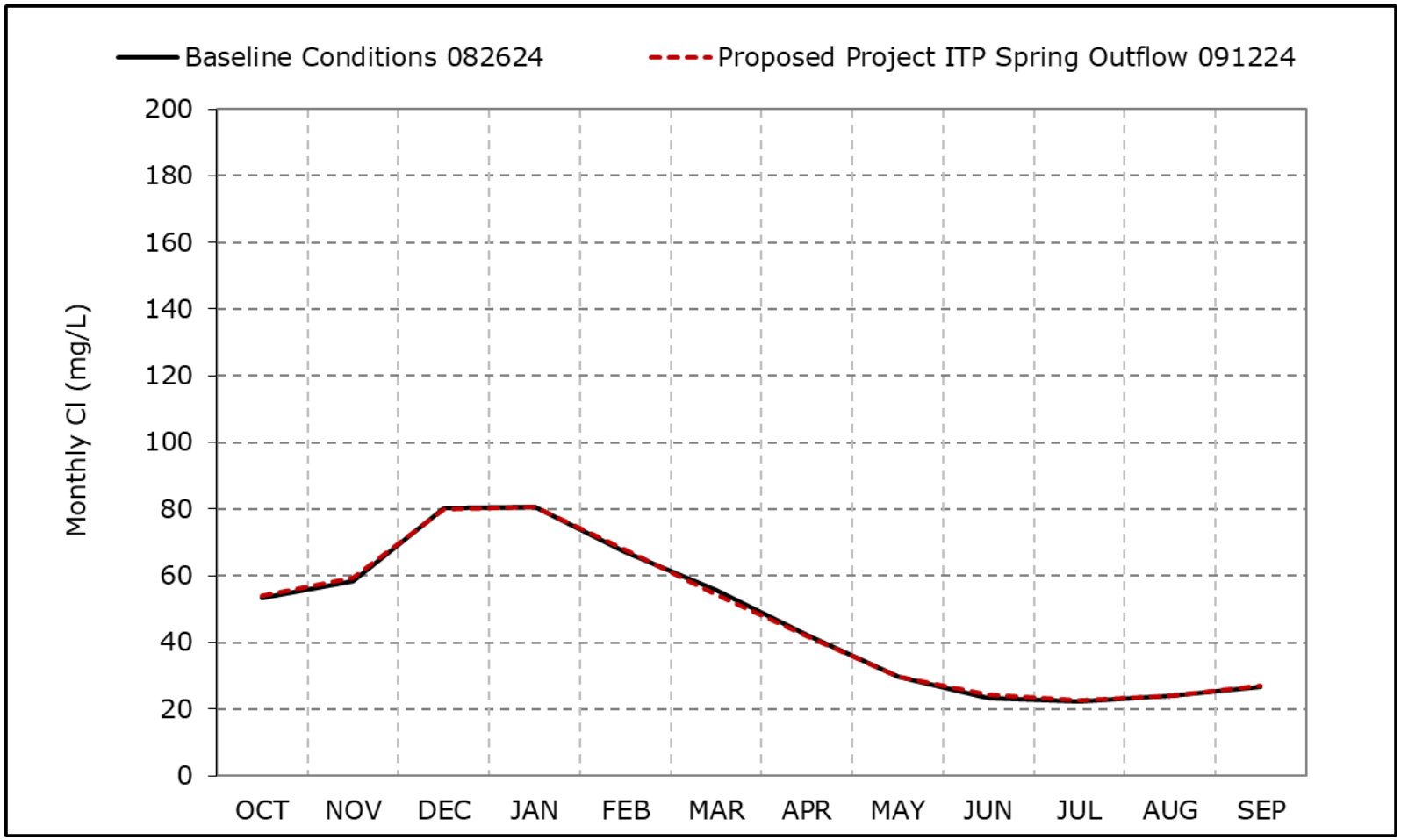
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

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



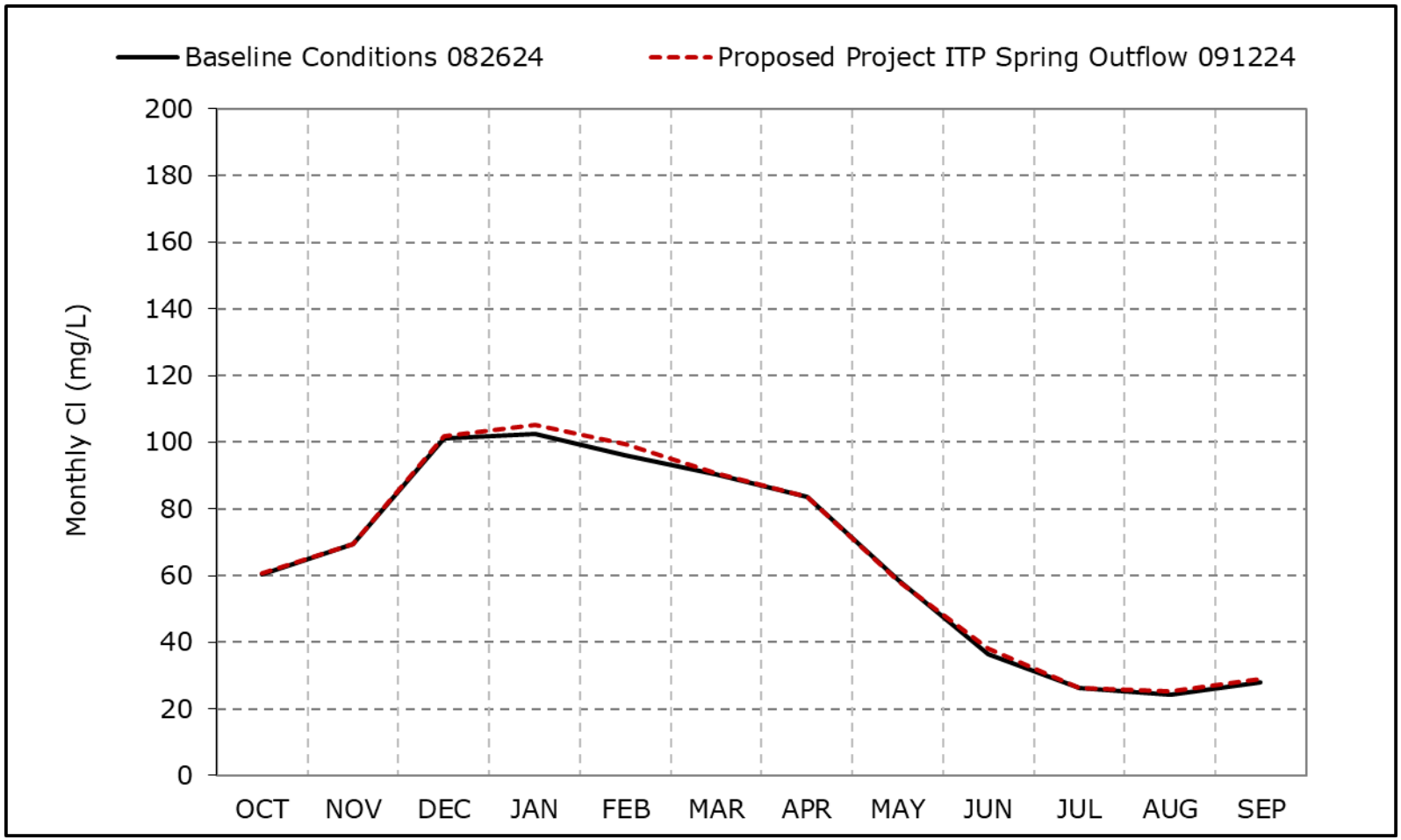
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



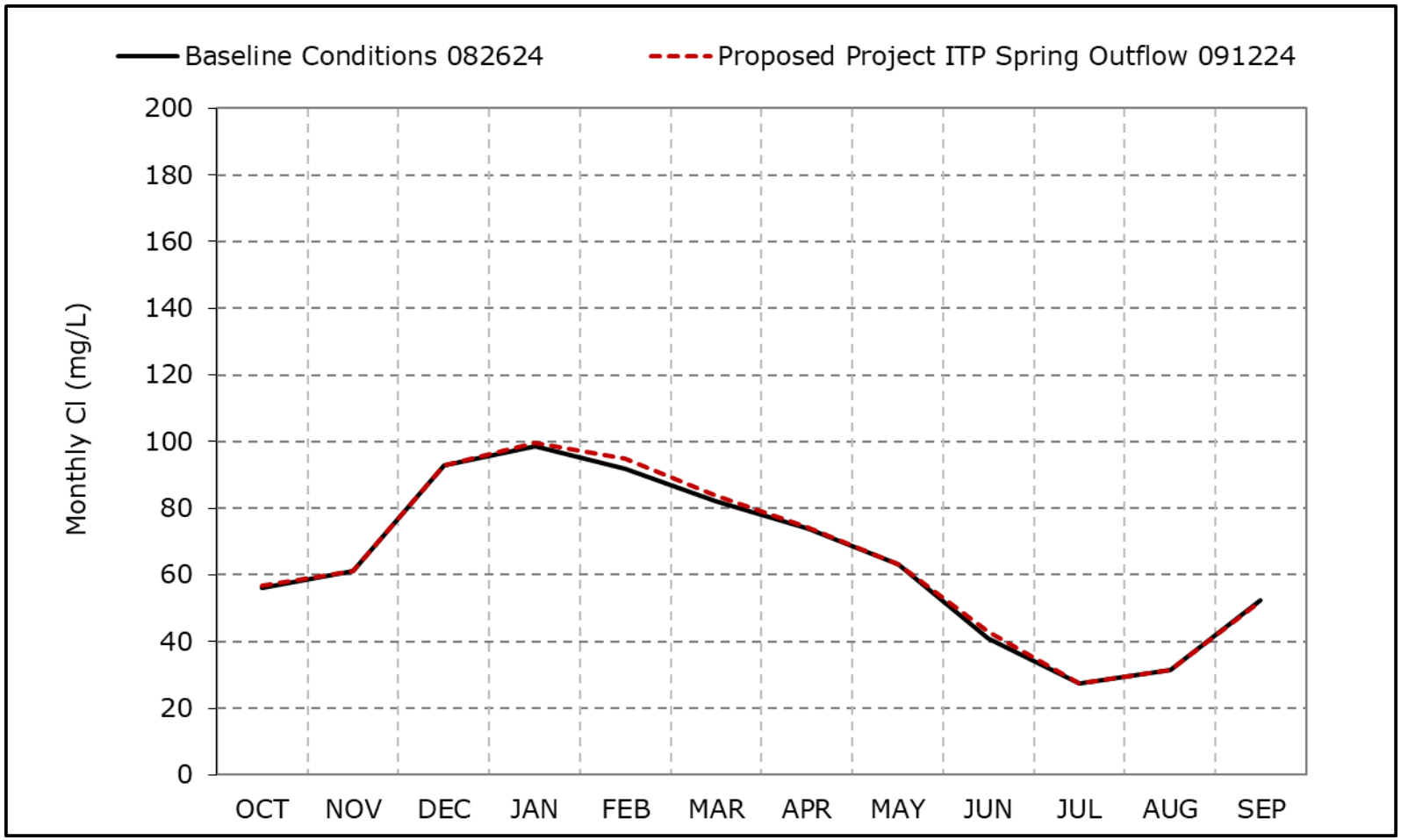
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



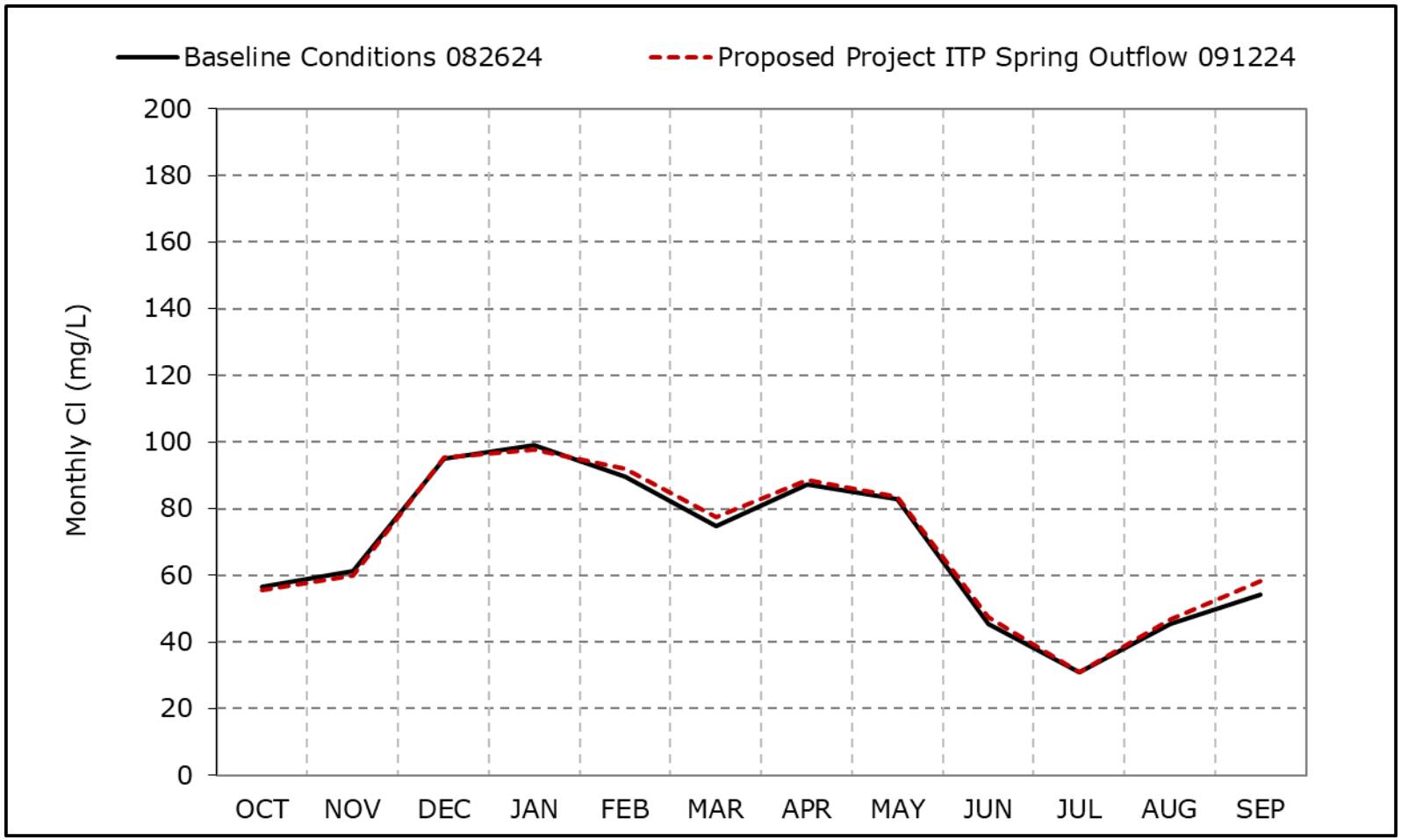
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



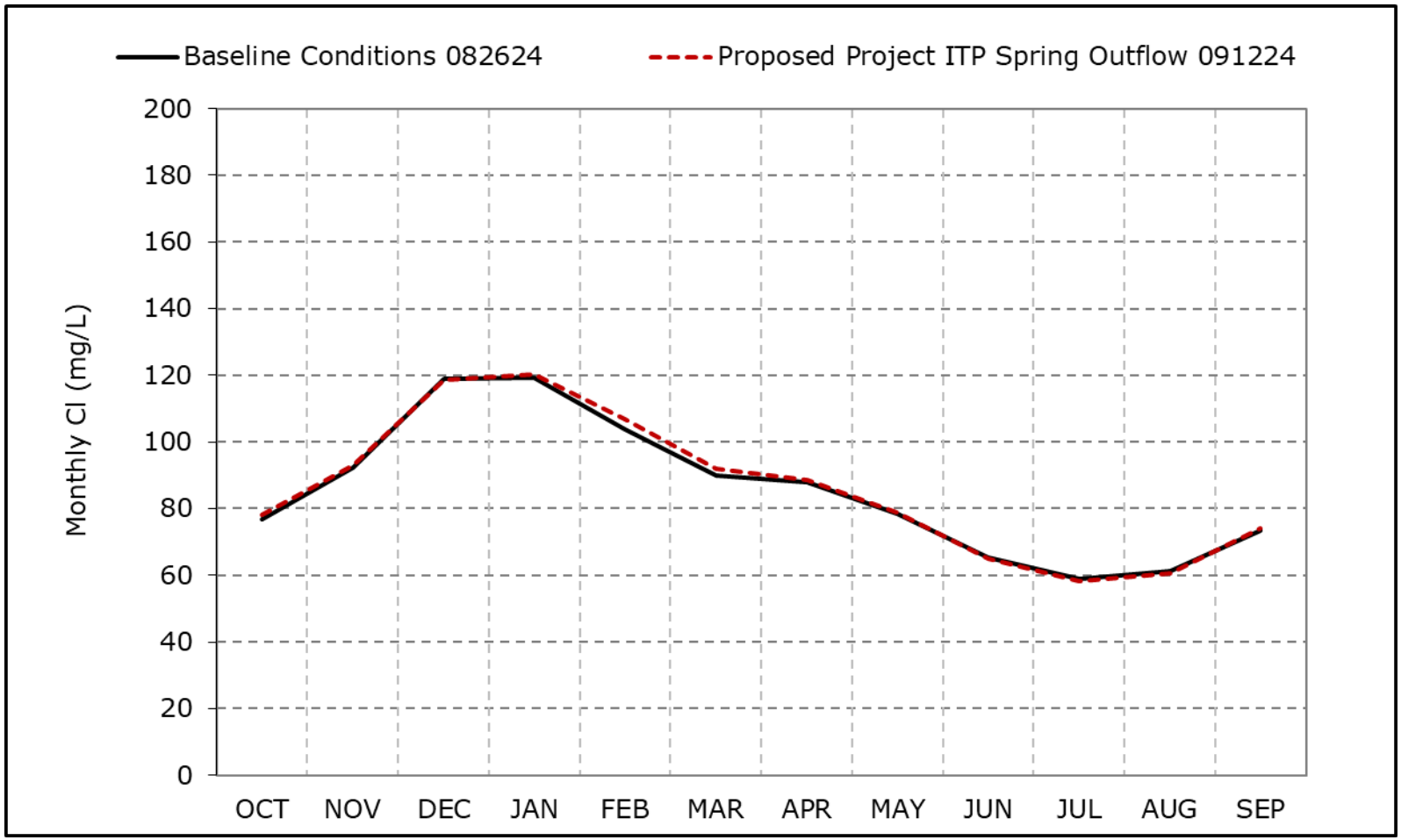
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



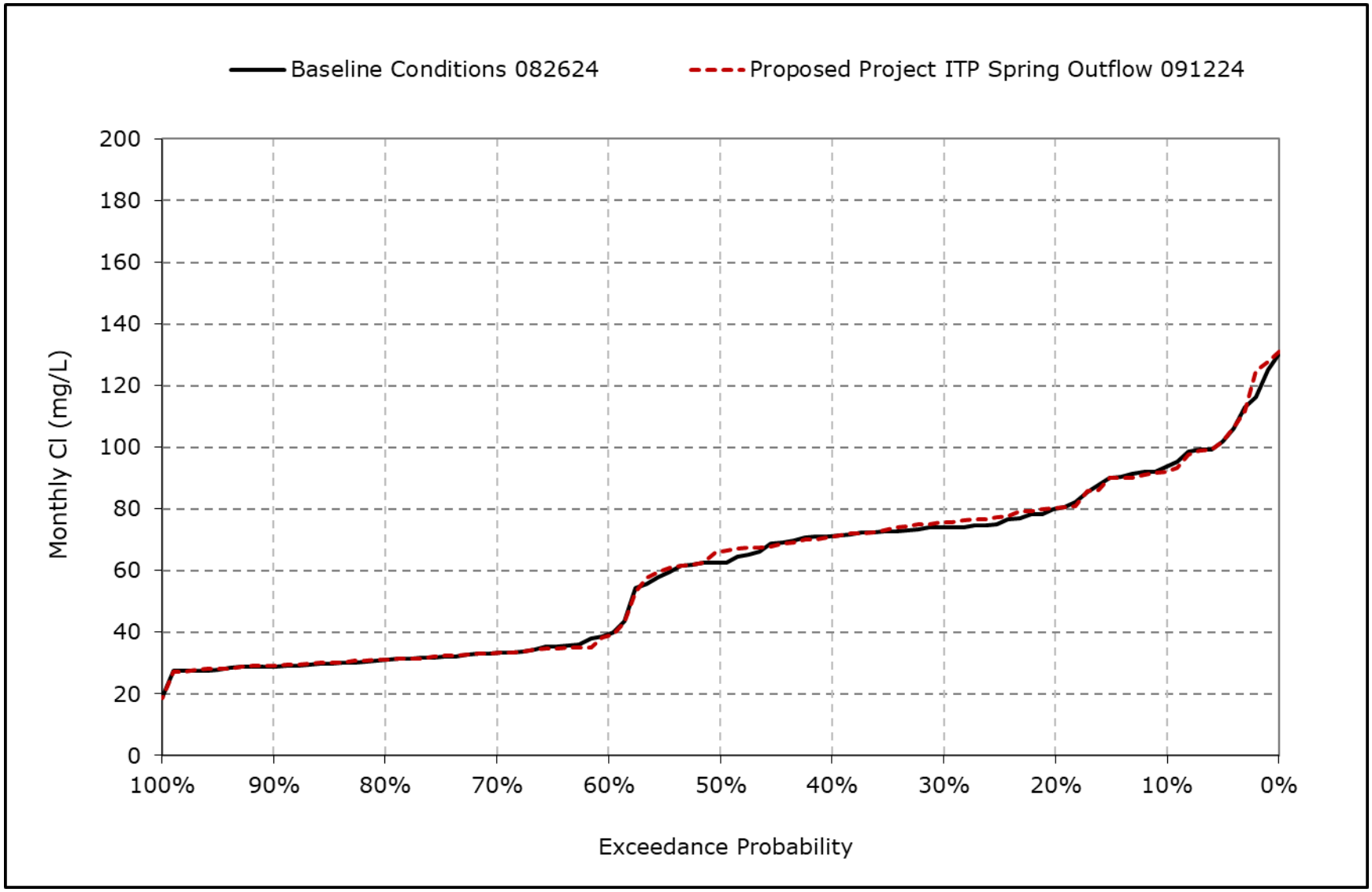
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



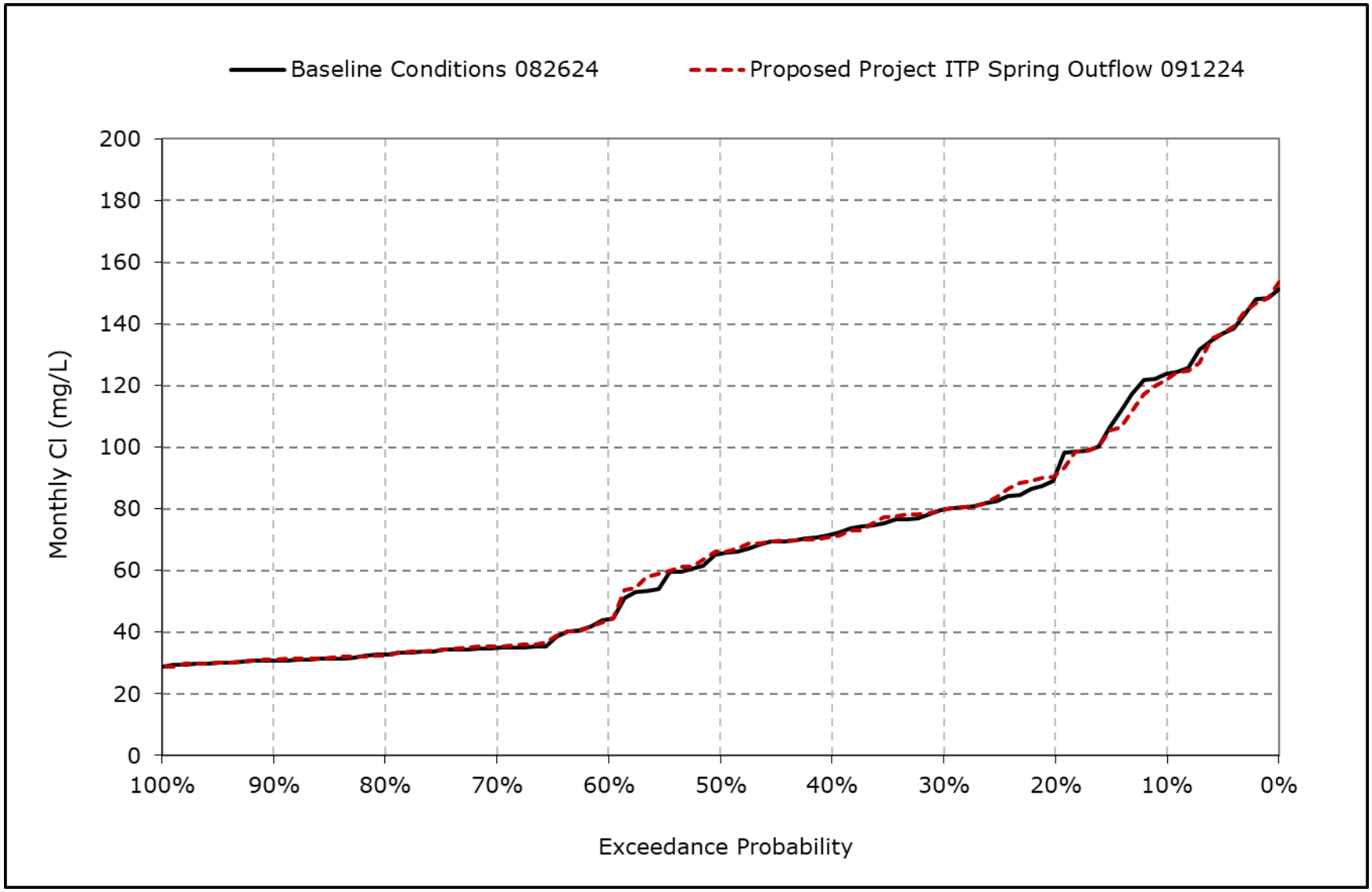
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



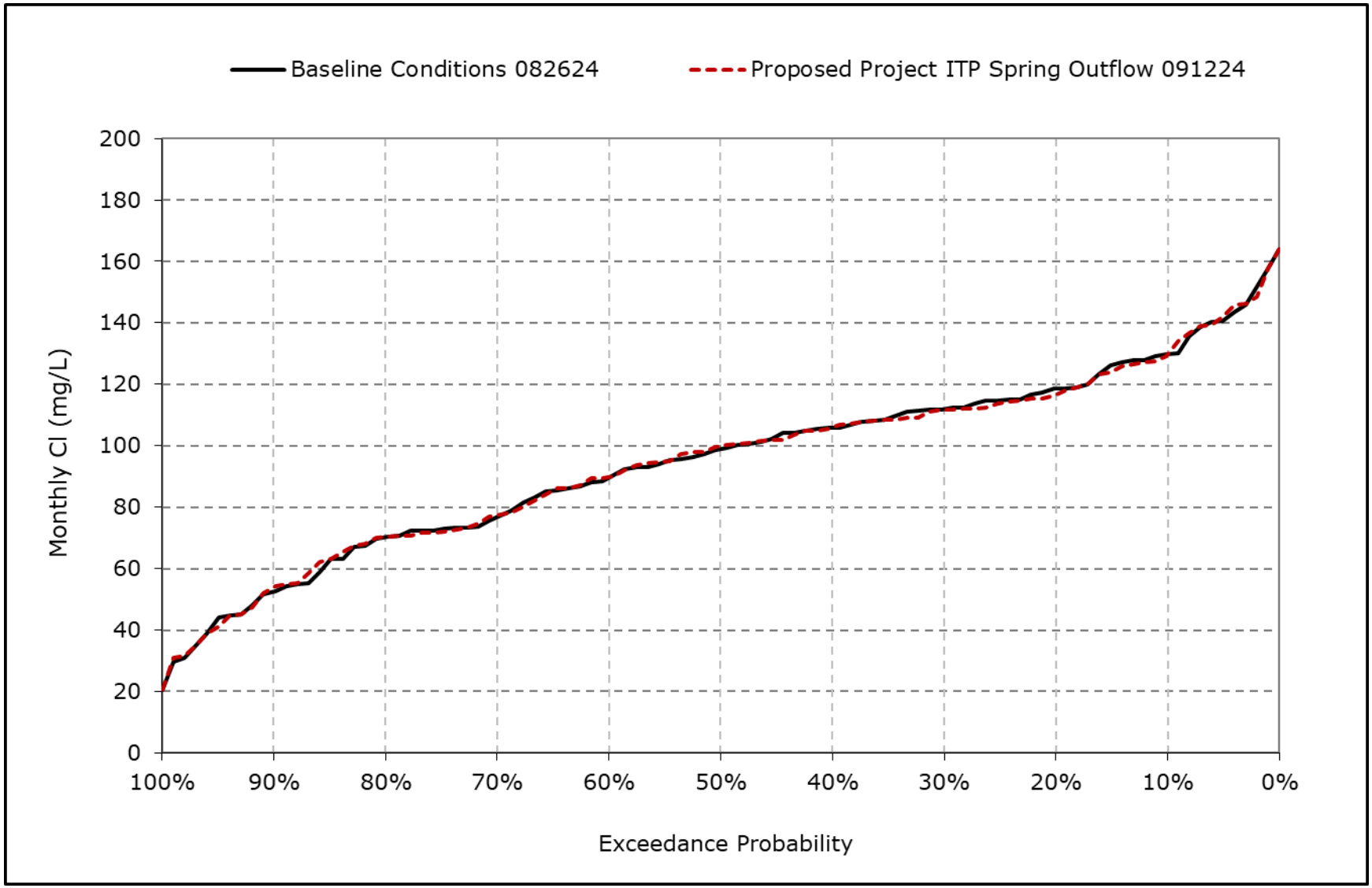
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



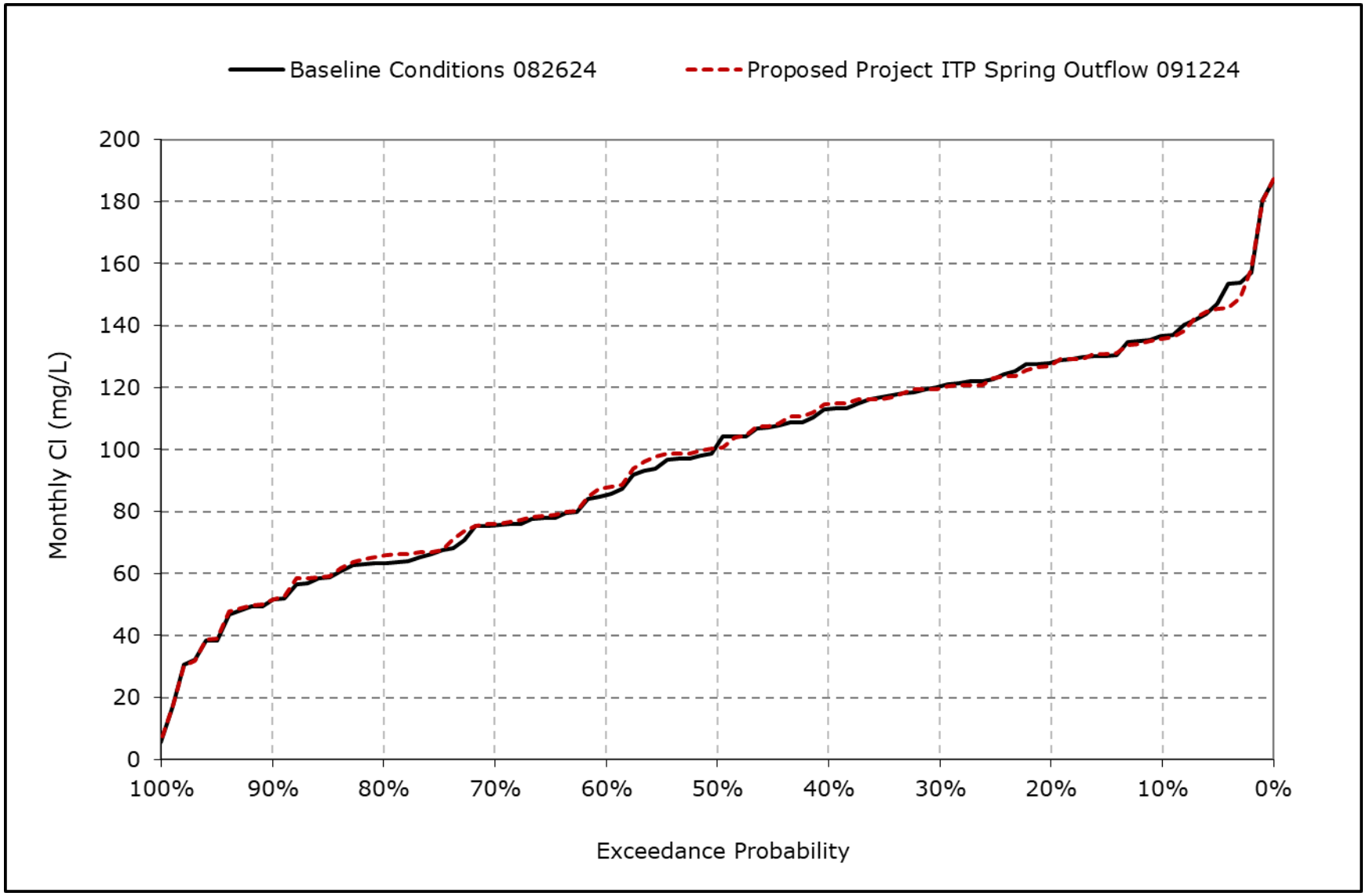
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



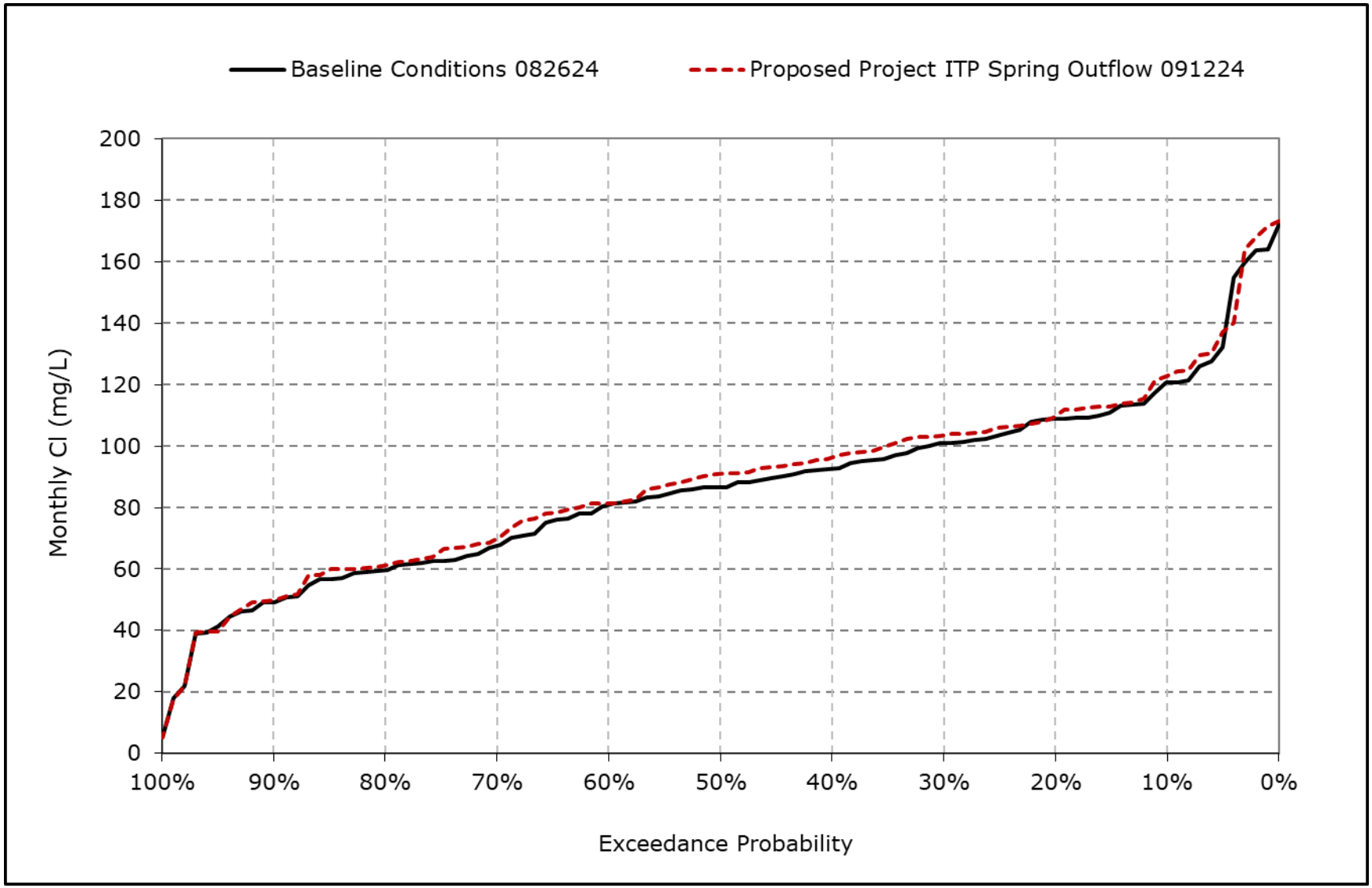
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



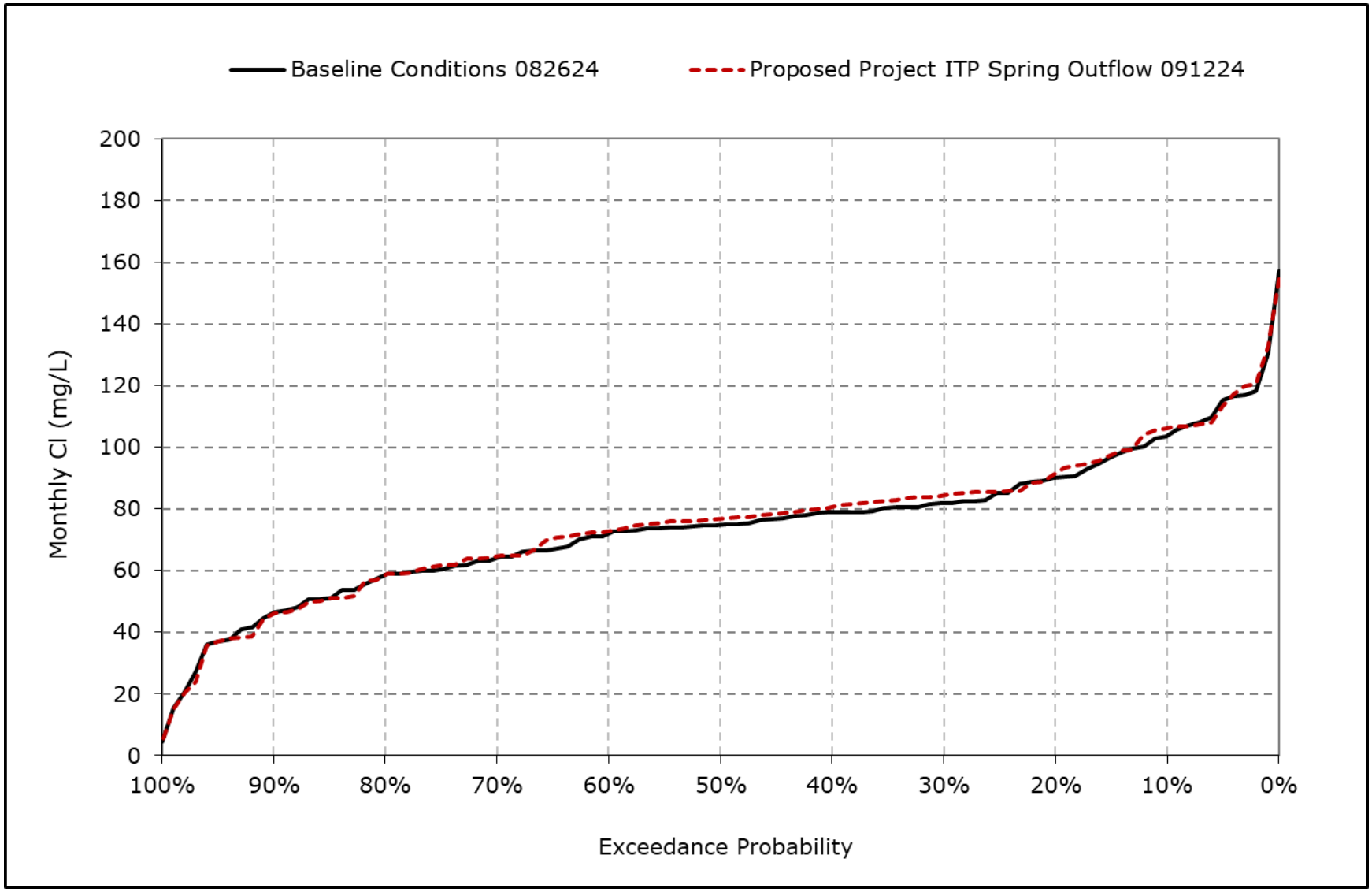
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



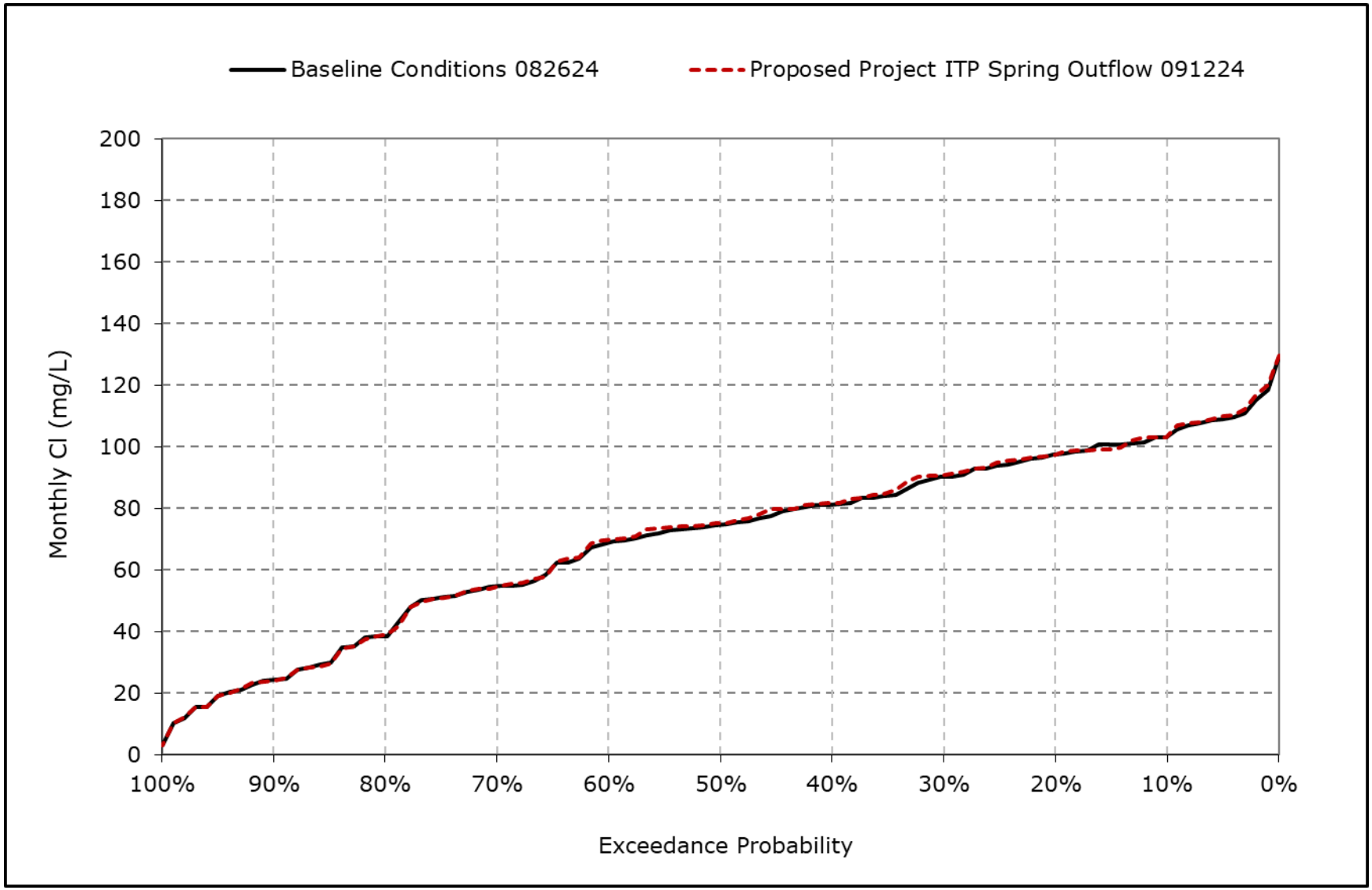
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-8I. Victoria Canal Chloride, March Cl



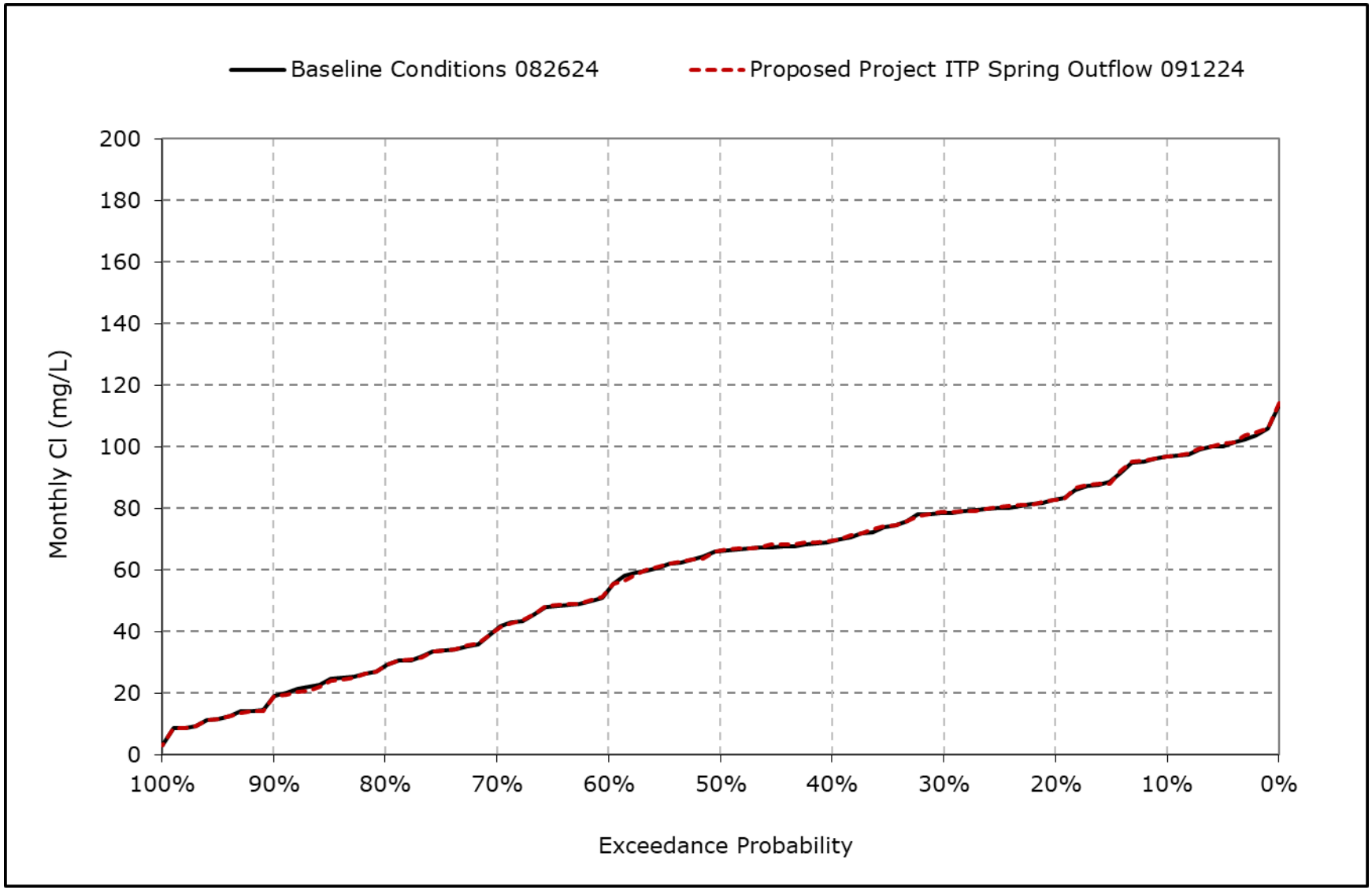
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



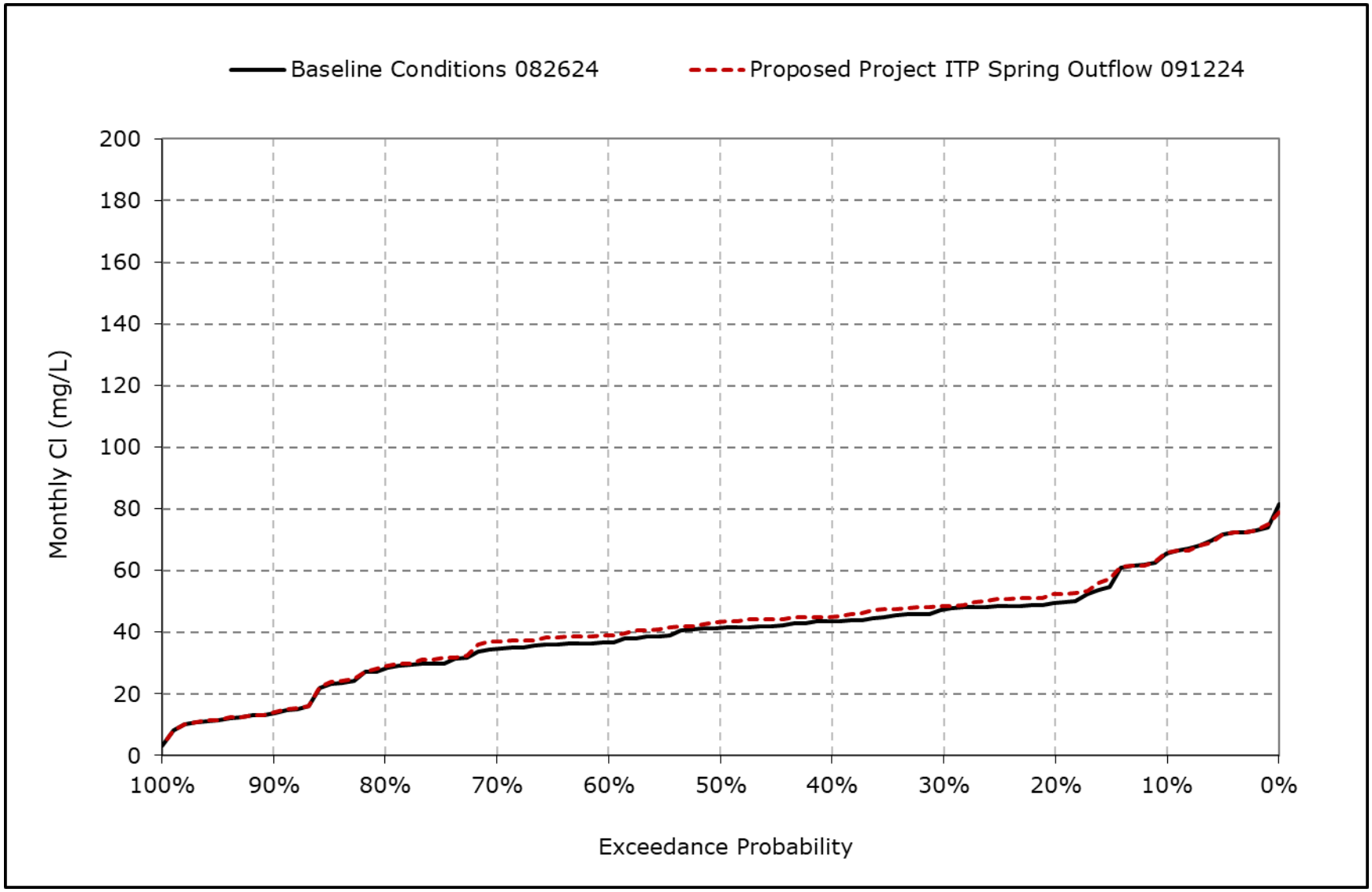
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



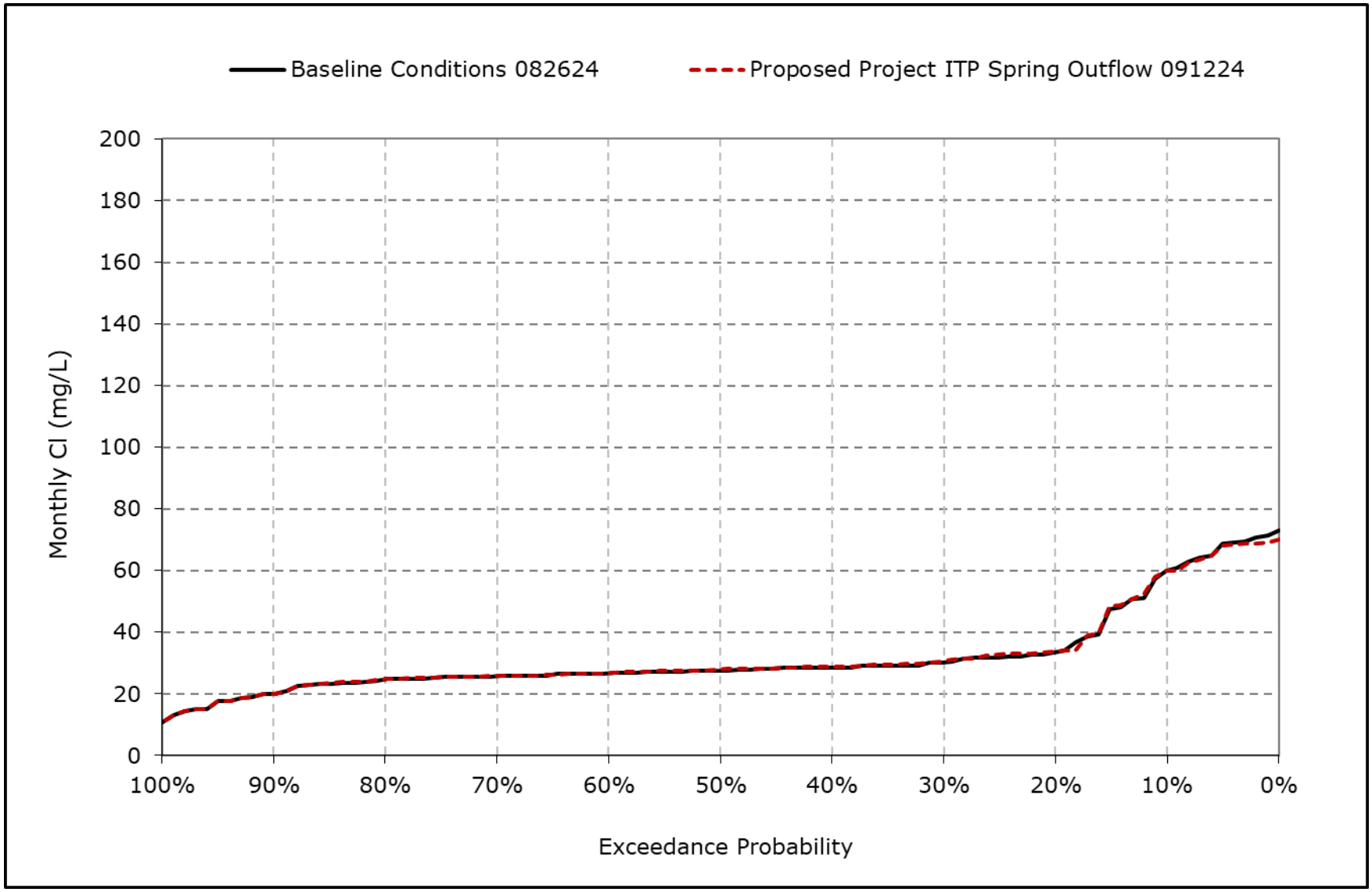
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



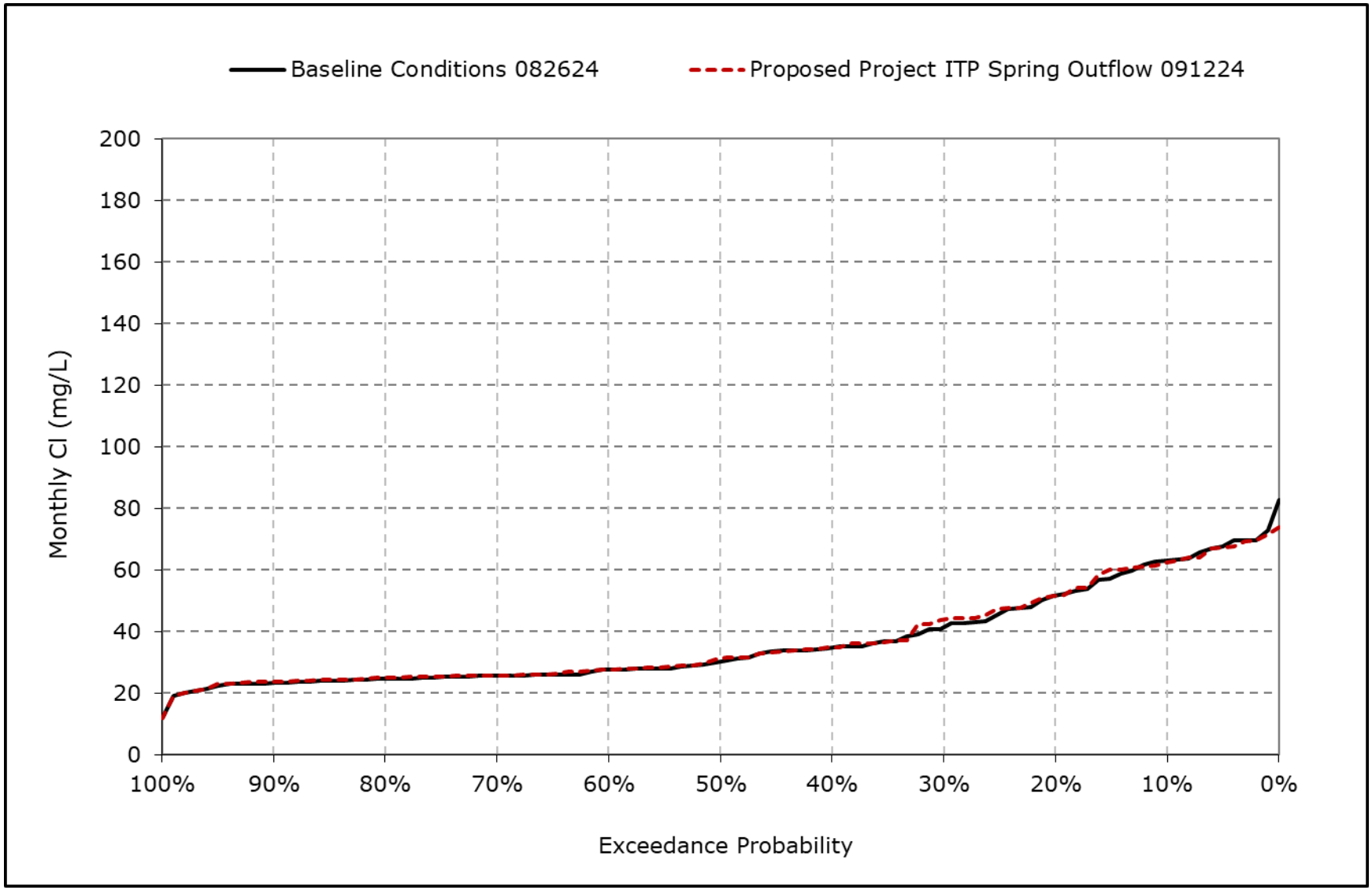
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



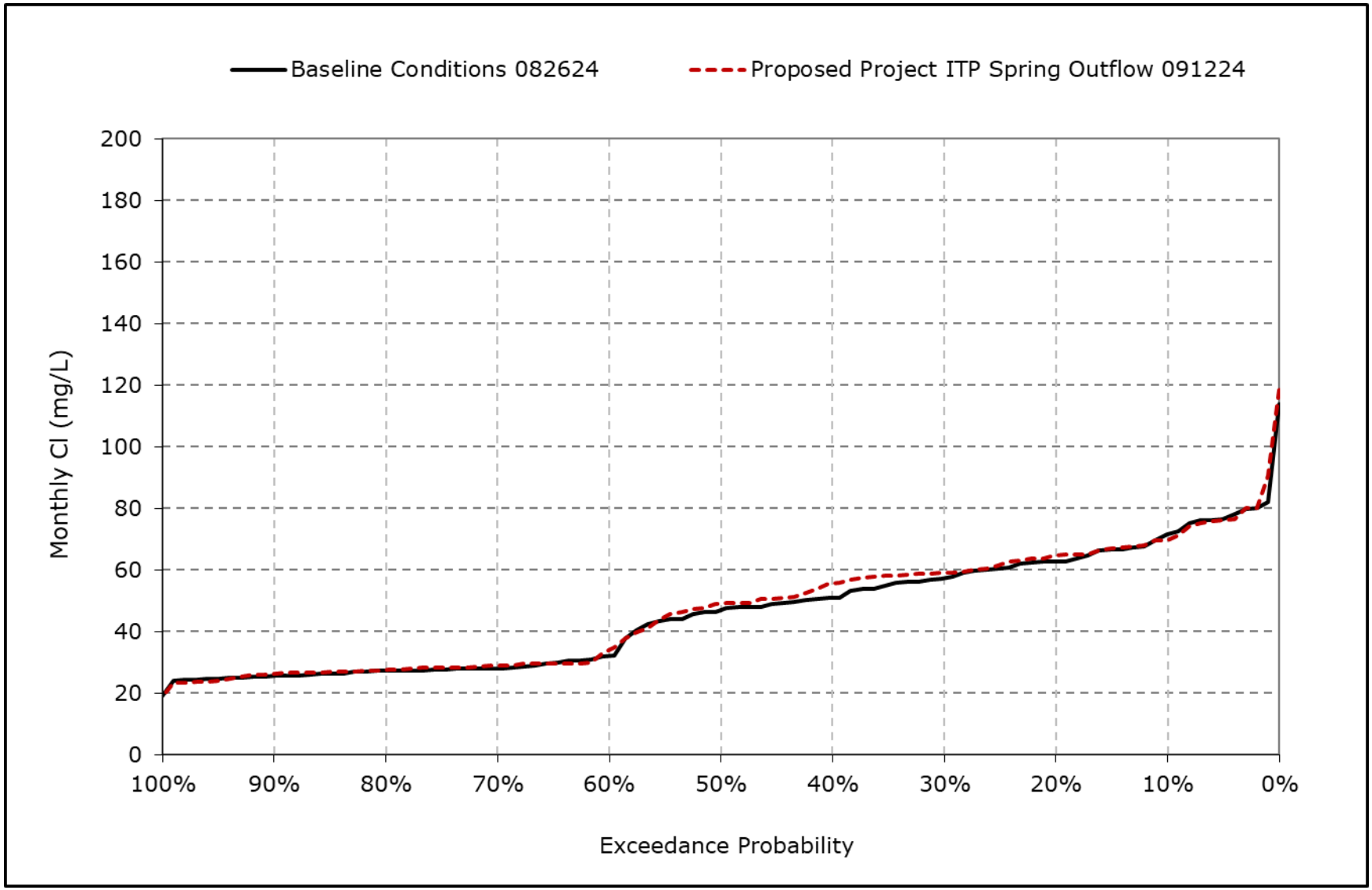
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



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

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



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

Table 4L-8-9-1a. Contra Costa Pumping Plant Chloride, Baseline Conditions 082624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	196	217	224	171	109	56	60	64	52	88	121	166
20% Exceedance	175	183	208	154	79	41	54	53	30	62	99	148
30% Exceedance	154	155	200	139	63	37	48	47	29	47	90	139
40% Exceedance	148	146	189	115	52	34	41	41	28	42	76	131
50% Exceedance	136	132	163	88	39	32	38	37	26	34	60	115
60% Exceedance	27	64	130	62	36	30	34	30	24	25	46	60
70% Exceedance	23	51	105	40	32	29	31	28	22	22	34	41
80% Exceedance	22	38	73	28	26	27	29	22	20	20	27	35
90% Exceedance	21	30	43	24	24	25	23	17	14	17	22	24
Full Simulation Period Average[a]	106	115	147	95	54	36	41	39	30	43	66	97
Wet Water Years (32%)	96	100	103	48	38	29	27	21	18	19	28	33
Above Normal Years (9%)	98	114	147	76	38	36	45	32	23	22	32	37
Below Normal Years (20%)	97	104	160	106	48	33	48	46	26	40	77	145
Dry Water Years (21%)	97	109	165	118	64	35	42	47	28	55	97	127
Critical Water Years (18%)	150	163	193	147	87	54	53	55	65	84	105	152

Table 4L-8-9-1b. Contra Costa Pumping Plant Chloride, Proposed Project ITP Spring Outflow 091224, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	197	216	226	171	105	57	60	65	52	88	122	165
20% Exceedance	179	179	207	150	80	42	53	53	31	63	102	152
30% Exceedance	161	155	200	137	65	37	48	47	29	48	92	143
40% Exceedance	148	145	189	114	53	34	42	41	28	42	81	133
50% Exceedance	139	134	165	87	41	32	37	36	27	34	64	122
60% Exceedance	29	63	132	62	37	30	34	30	24	25	51	71
70% Exceedance	25	51	109	40	32	29	31	28	23	22	40	50
80% Exceedance	23	40	74	29	27	27	29	22	21	20	30	44
90% Exceedance	22	30	43	24	24	25	24	17	14	17	24	30
Full Simulation Period Average[a]	108	116	148	94	55	36	41	39	31	43	70	102
Wet Water Years (32%)	98	102	102	48	38	30	27	20	18	19	30	41
Above Normal Years (9%)	100	113	150	79	40	36	45	32	23	23	40	46
Below Normal Years (20%)	98	104	160	106	50	33	49	46	27	39	78	143
Dry Water Years (21%)	97	109	165	115	63	35	43	47	29	56	104	137
Critical Water Years (18%)	152	164	193	149	88	54	52	55	64	83	105	153

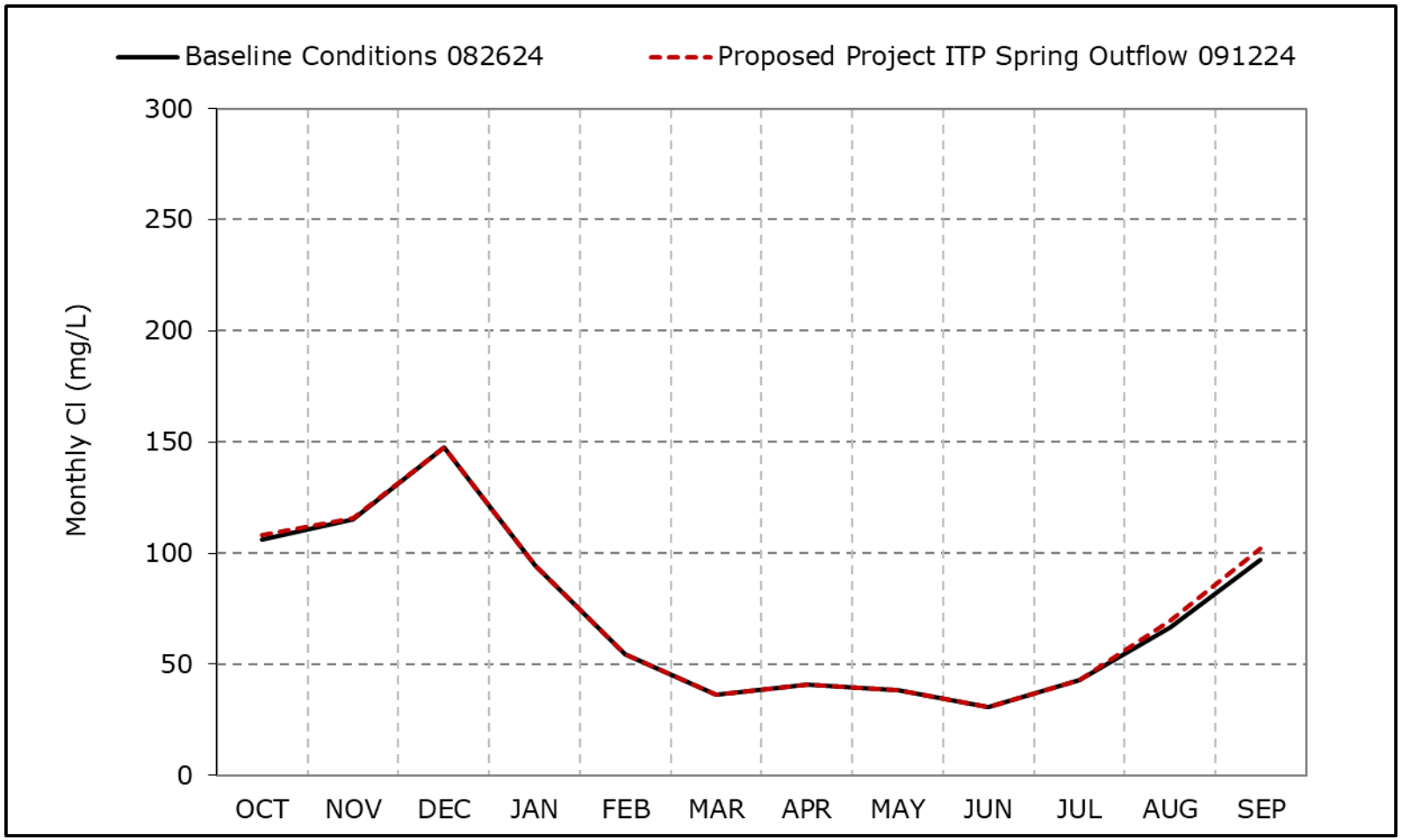
Table 4L-8-9-1c. Contra Costa Pumping Plant Chloride, Proposed Project ITP Spring Outflow 091224 minus Baseline Conditions 082624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1	-1	2	1	-4	1	0	1	0	0	1	-1
20% Exceedance	4	-4	-2	-3	1	1	-2	0	1	1	3	4
30% Exceedance	7	0	0	-2	2	0	0	0	0	1	2	3
40% Exceedance	-1	-1	0	-1	1	0	0	0	0	0	5	2
50% Exceedance	3	2	3	-1	2	0	-1	0	1	-1	5	8
60% Exceedance	2	0	2	0	1	0	0	0	1	0	5	11
70% Exceedance	2	0	4	0	0	1	0	0	1	0	6	9
80% Exceedance	1	2	2	0	1	0	0	0	1	0	3	9
90% Exceedance	1	0	0	0	0	0	1	-1	0	0	2	6
Full Simulation Period Average[a]	2	1	0	0	0	0	0	0	0	0	3	5
Wet Water Years (32%)	3	2	-1	-1	0	0	-1	0	0	0	3	7
Above Normal Years (9%)	2	-1	3	3	2	0	0	0	1	1	7	8
Below Normal Years (20%)	1	0	1	0	1	1	0	0	1	0	1	-2
Dry Water Years (21%)	-1	0	0	-3	-1	0	1	0	0	0	7	10
Critical Water Years (18%)	3	1	1	2	0	-1	0	0	0	-1	0	1

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

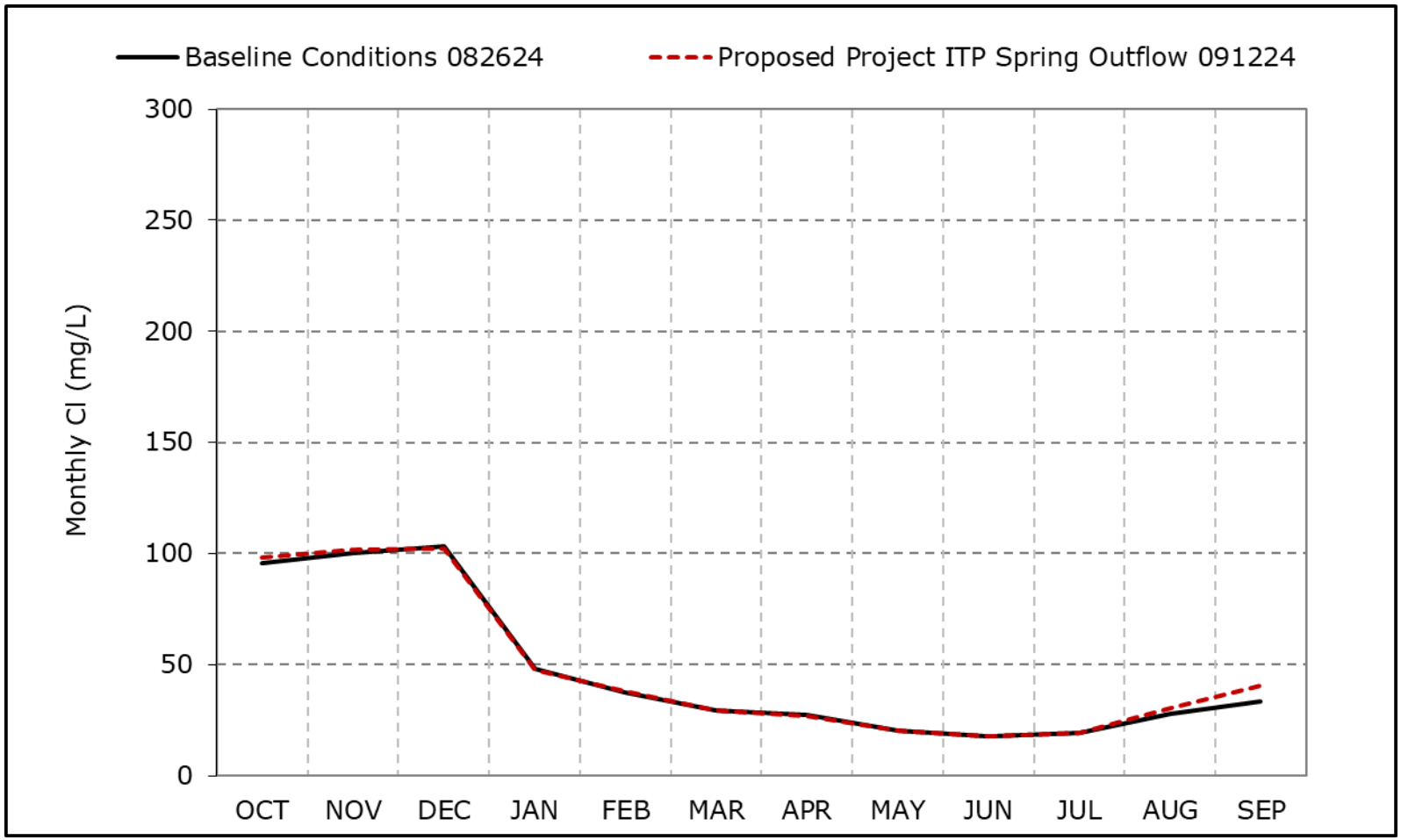
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4L-8-9a. Contra Costa Pumping Plant Chloride, Long-Term Average Cl



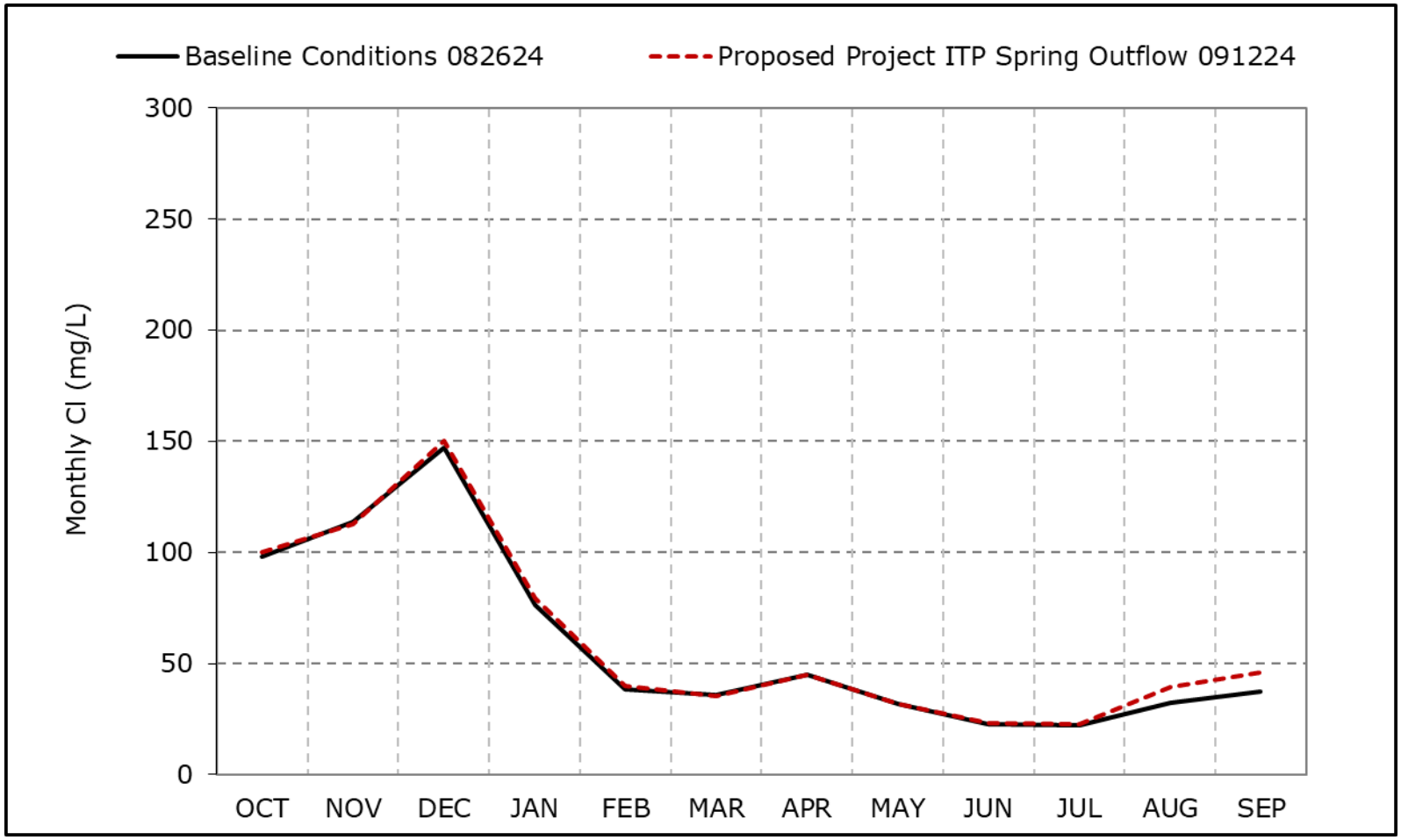
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-9b. Contra Costa Pumping Plant Chloride, Wet Year Average Cl



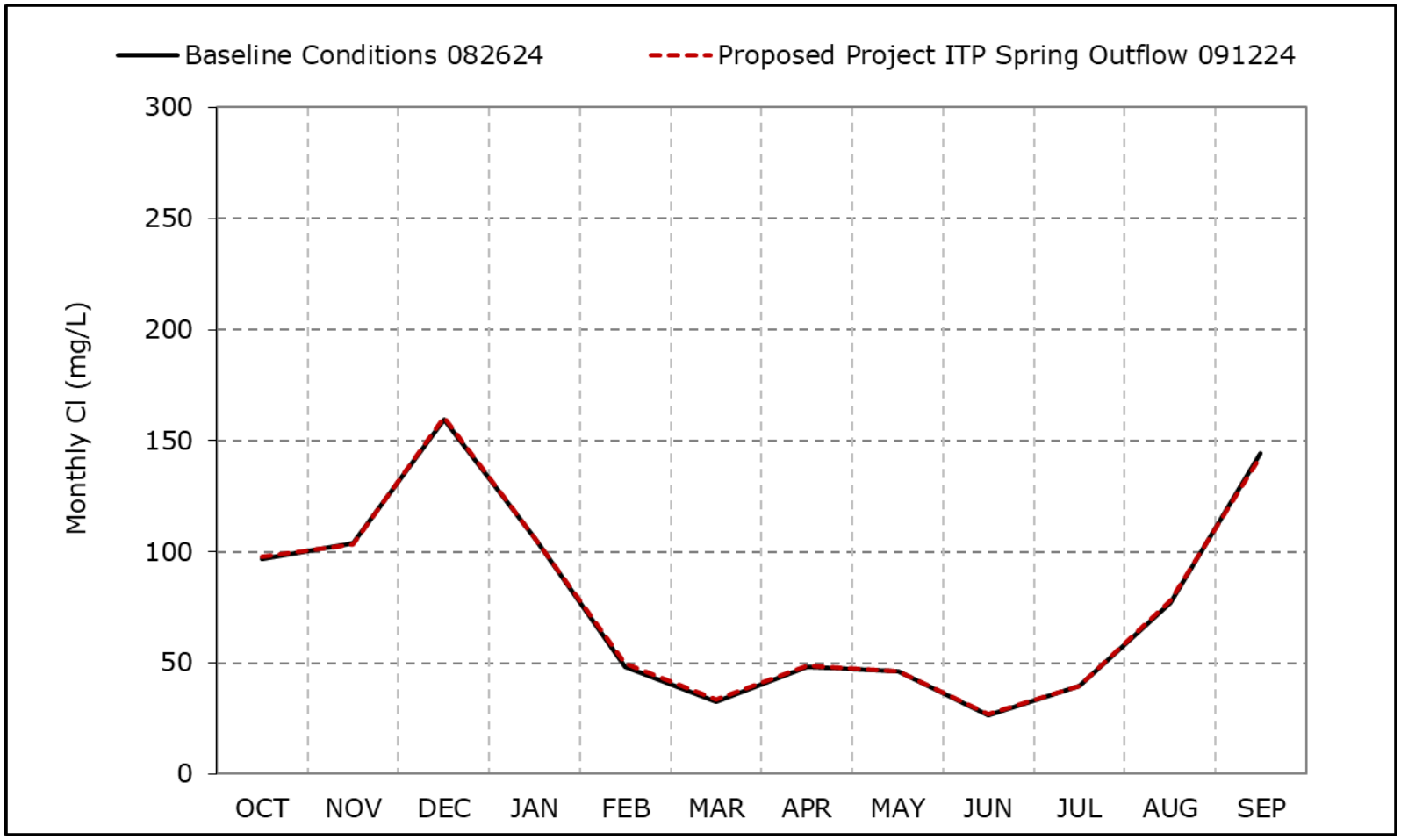
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-9c. Contra Costa Pumping Plant Chloride, Above Normal Year Average Cl



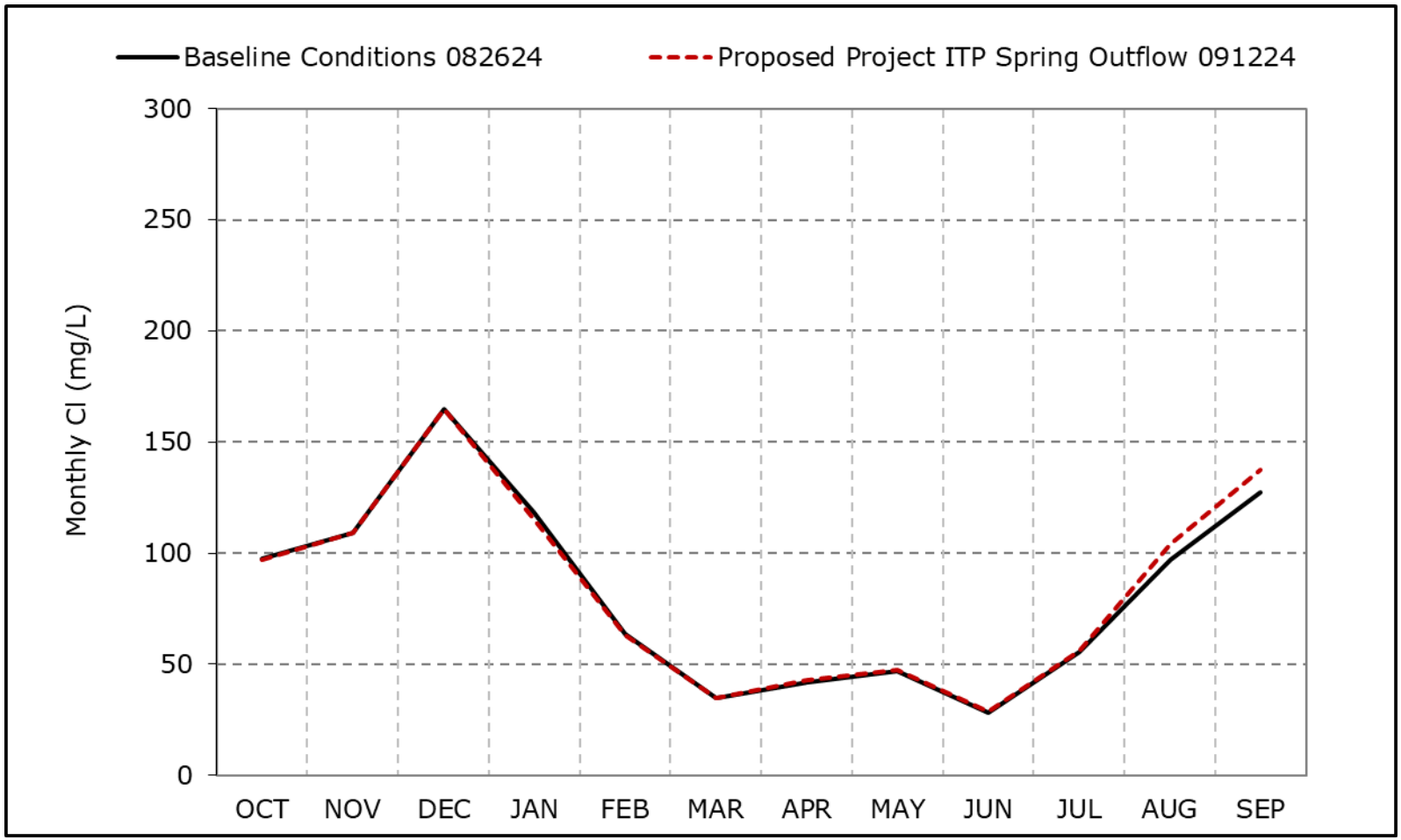
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-9d. Contra Costa Pumping Plant Chloride, Below Normal Year Average Cl



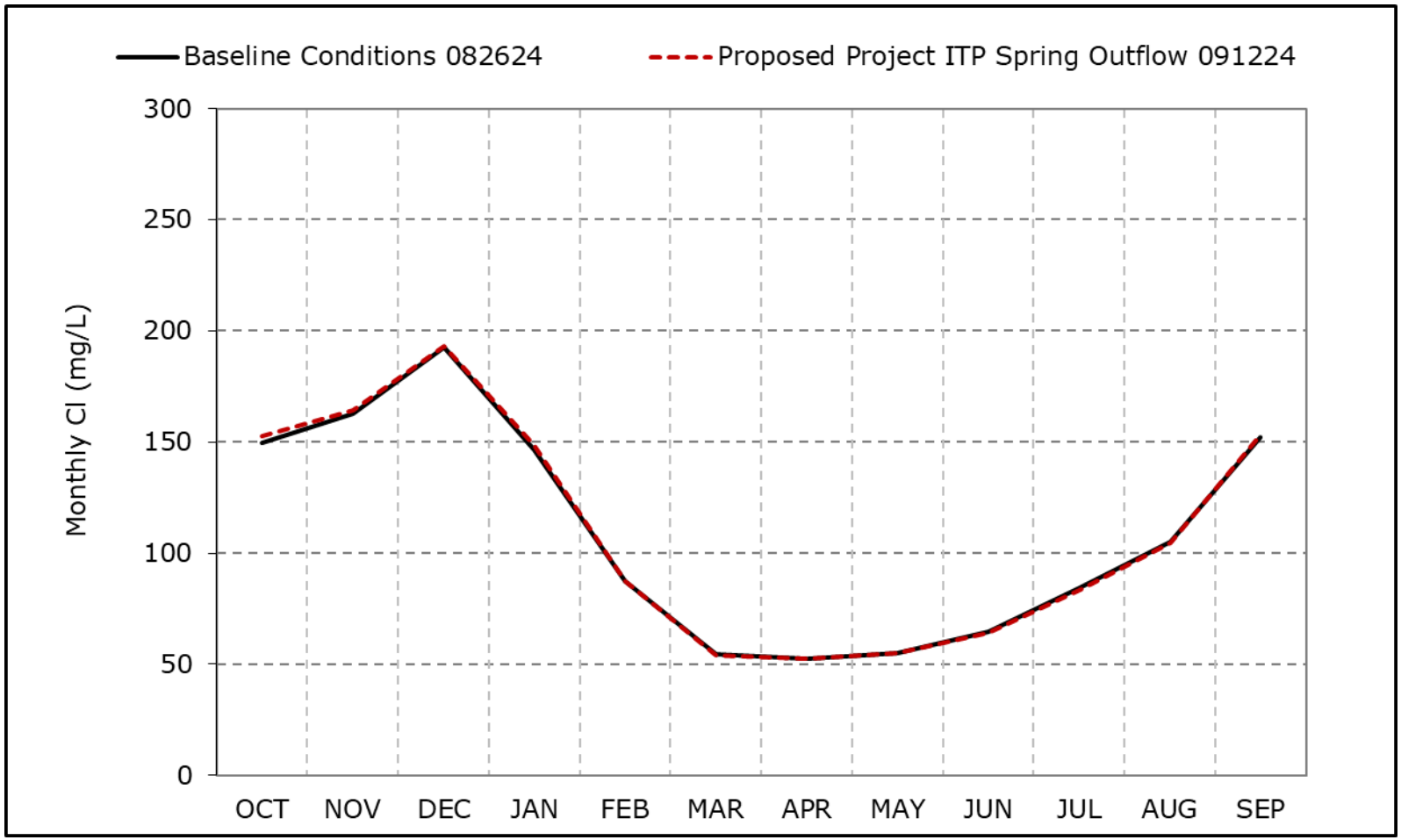
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-9e. Contra Costa Pumping Plant Chloride, Dry Year Average Cl



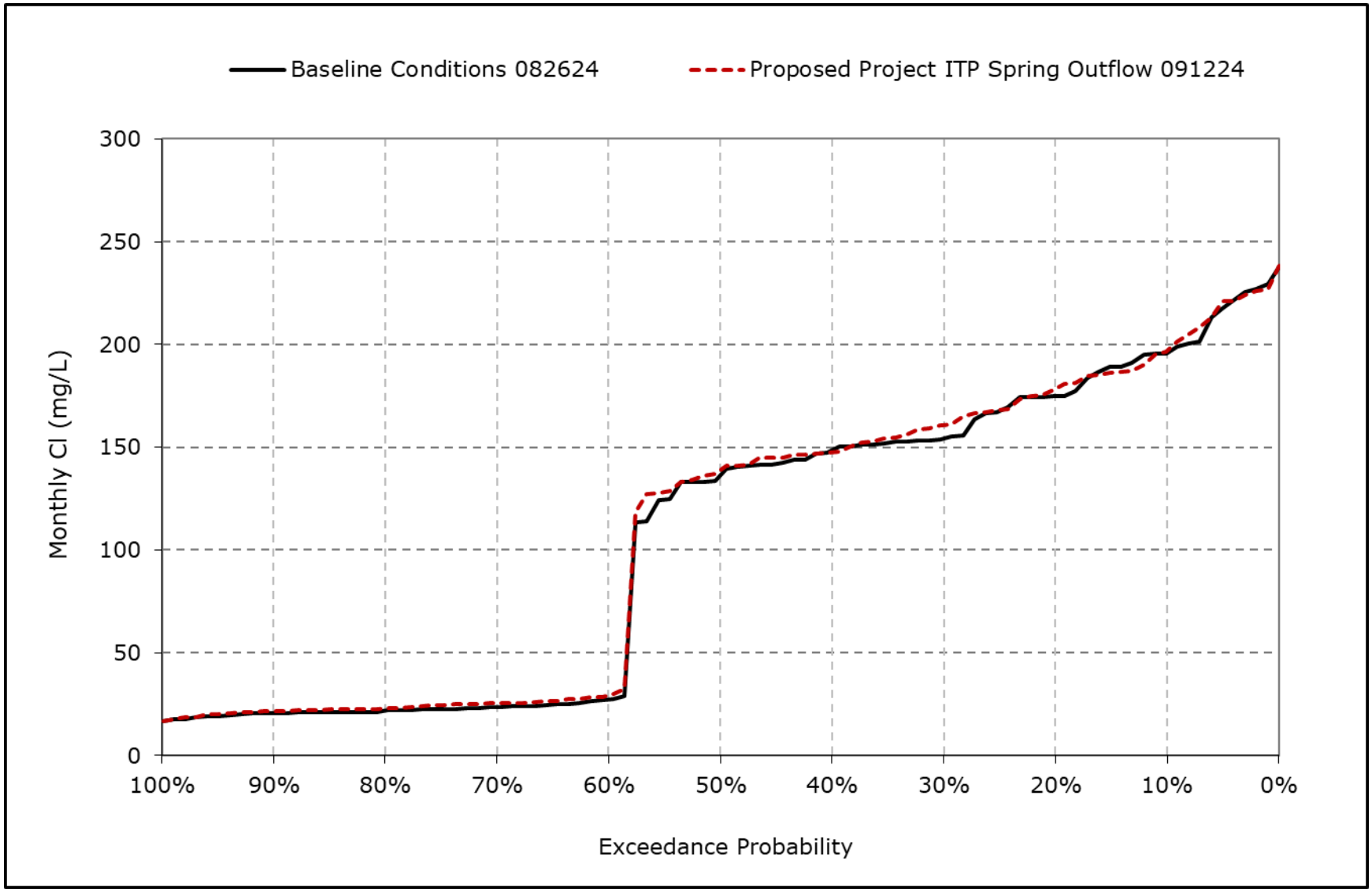
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-9f. Contra Costa Pumping Plant Chloride, Critical Year Average Cl



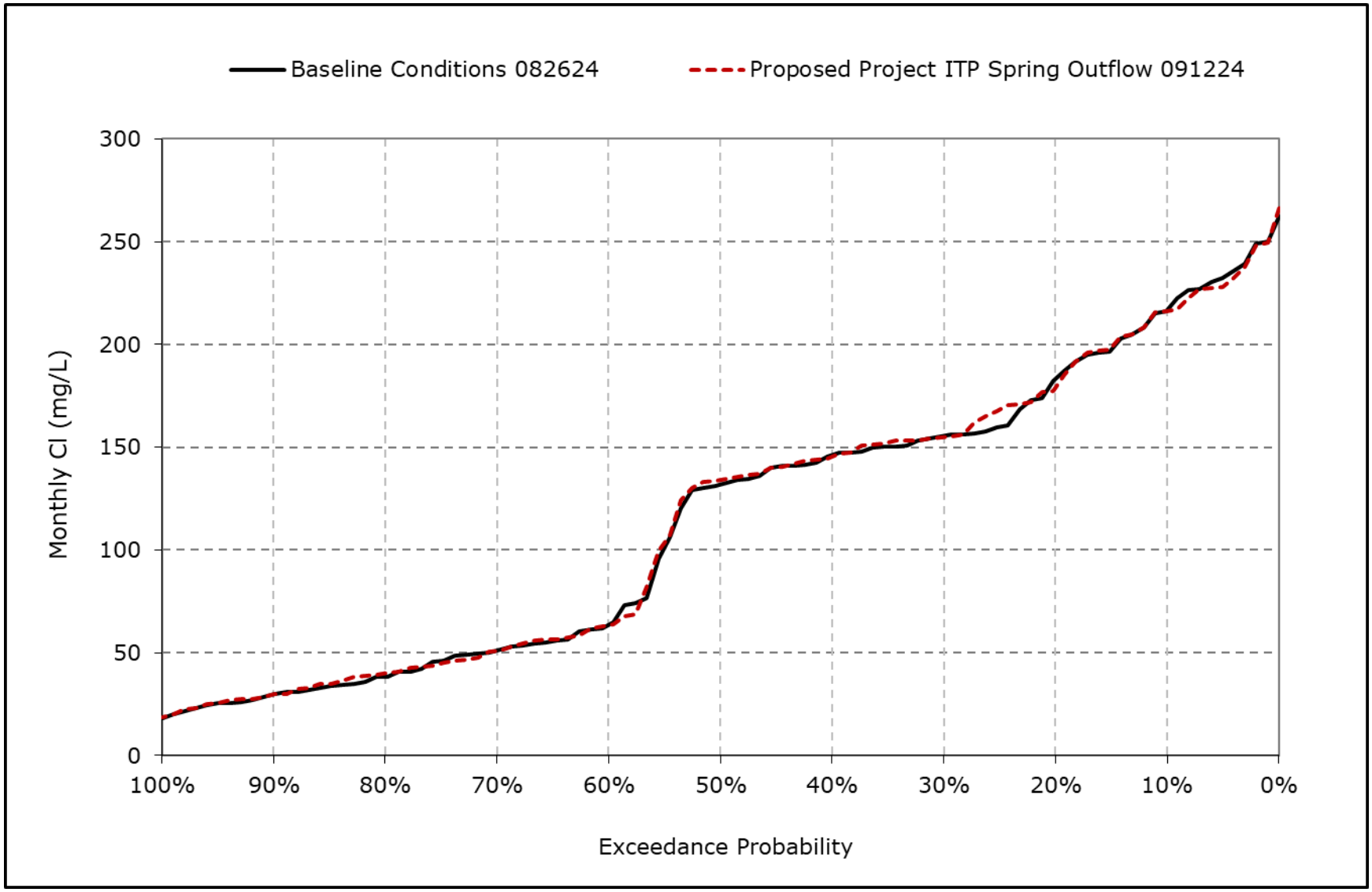
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-9g. Contra Costa Pumping Plant Chloride, October Cl



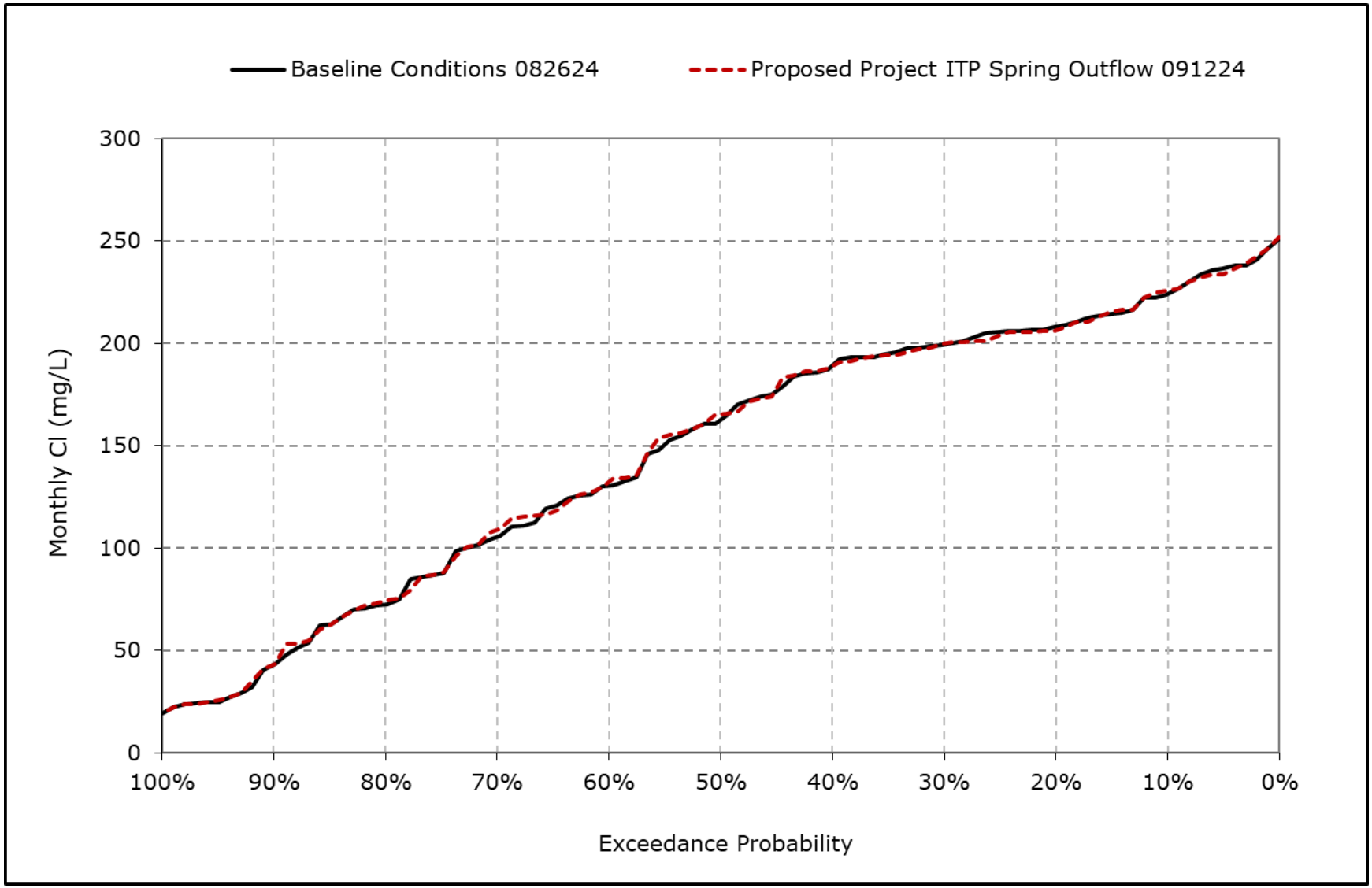
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-9h. Contra Costa Pumping Plant Chloride, November Cl



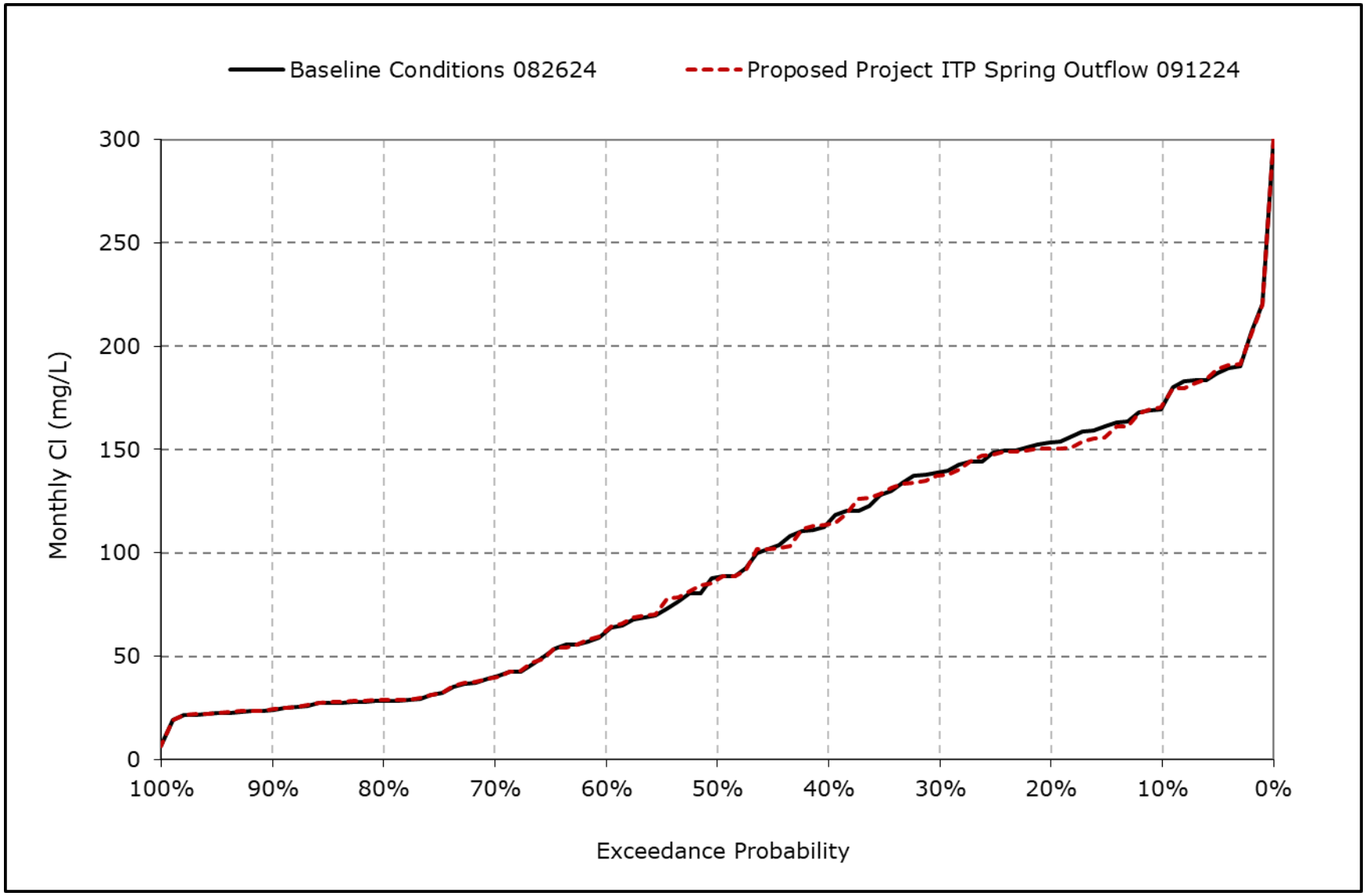
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-9i. Contra Costa Pumping Plant Chloride, December Cl



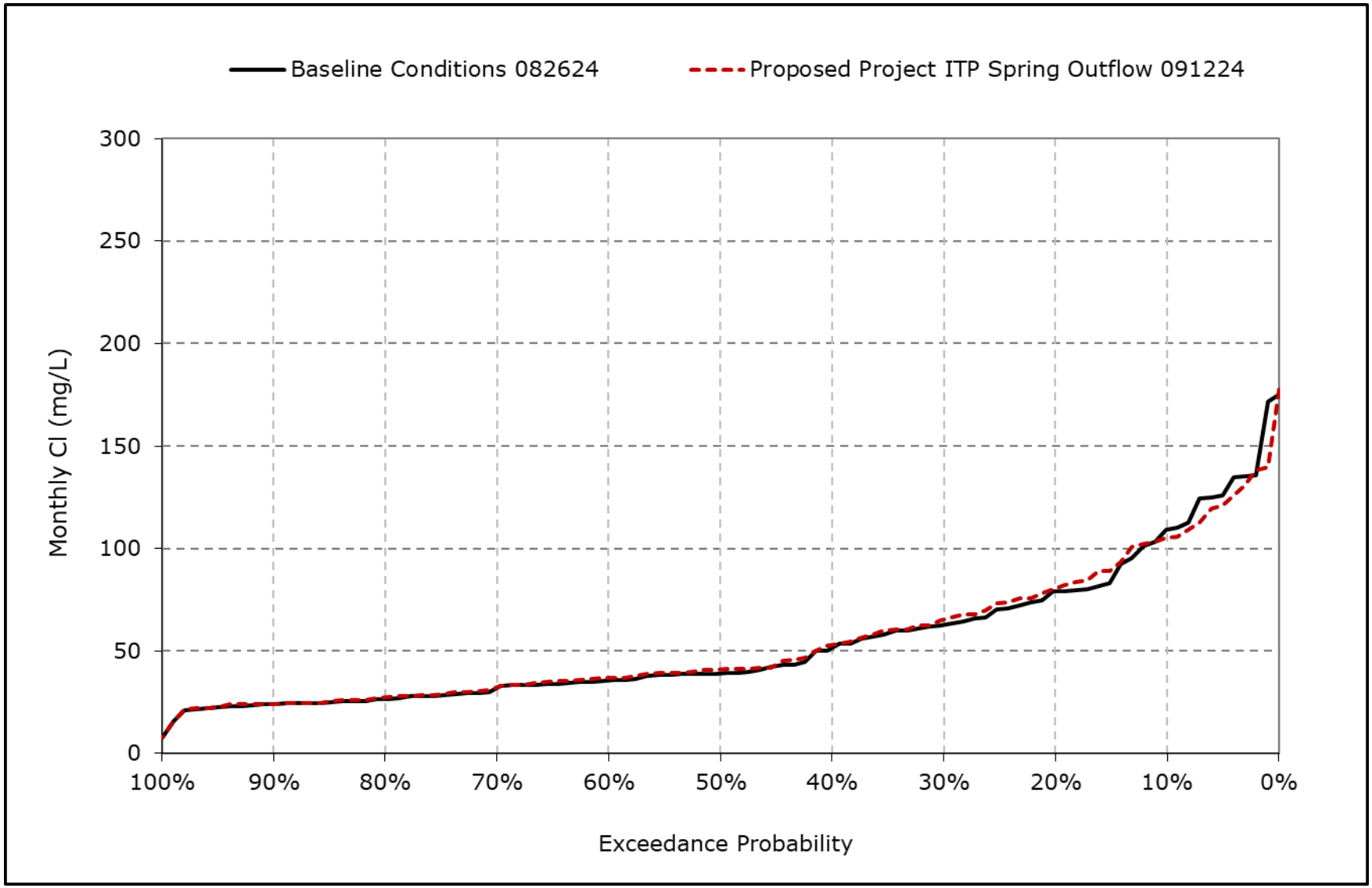
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-9j. Contra Costa Pumping Plant Chloride, January Cl



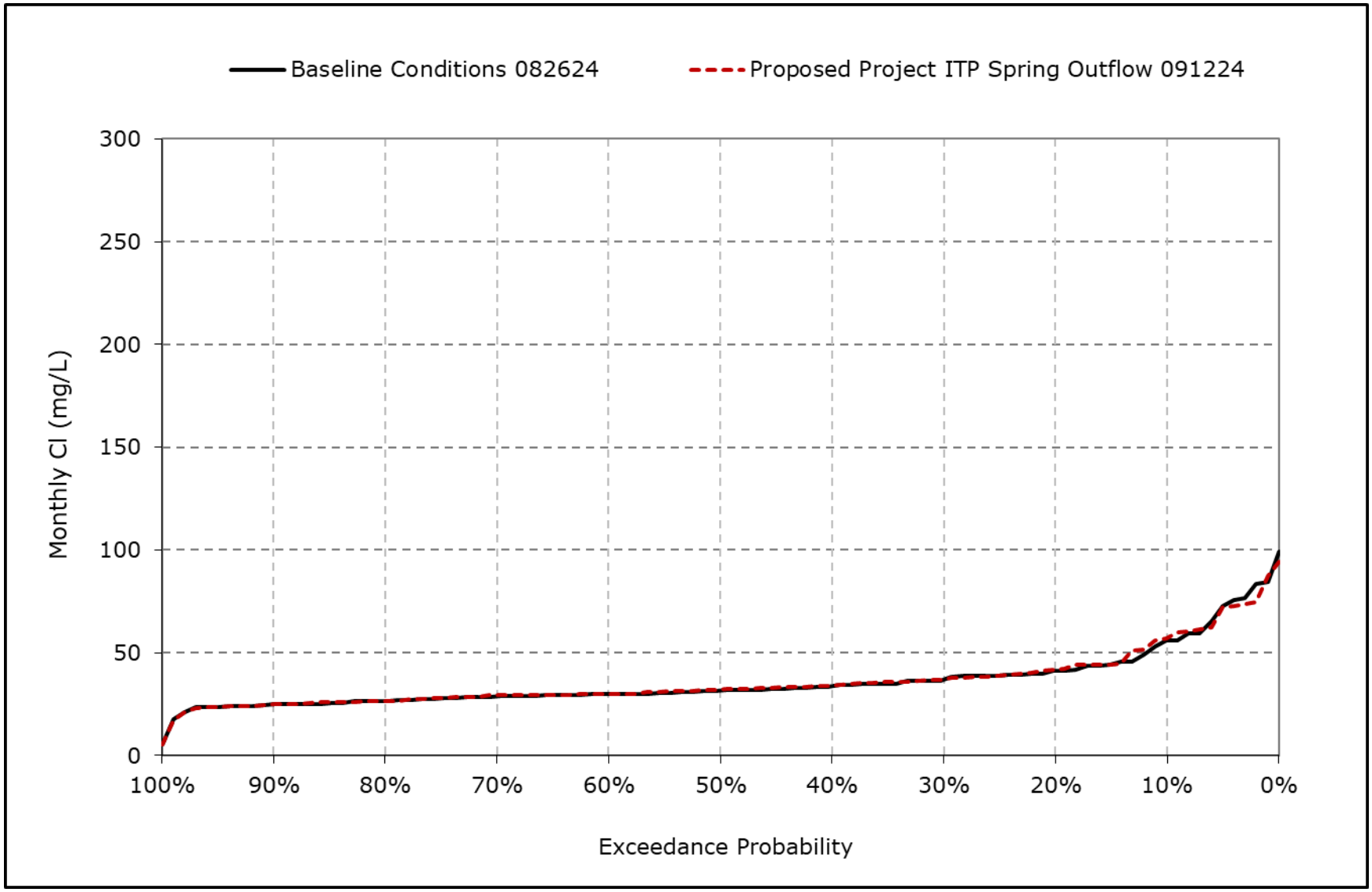
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-9k. Contra Costa Pumping Plant Chloride, February Cl



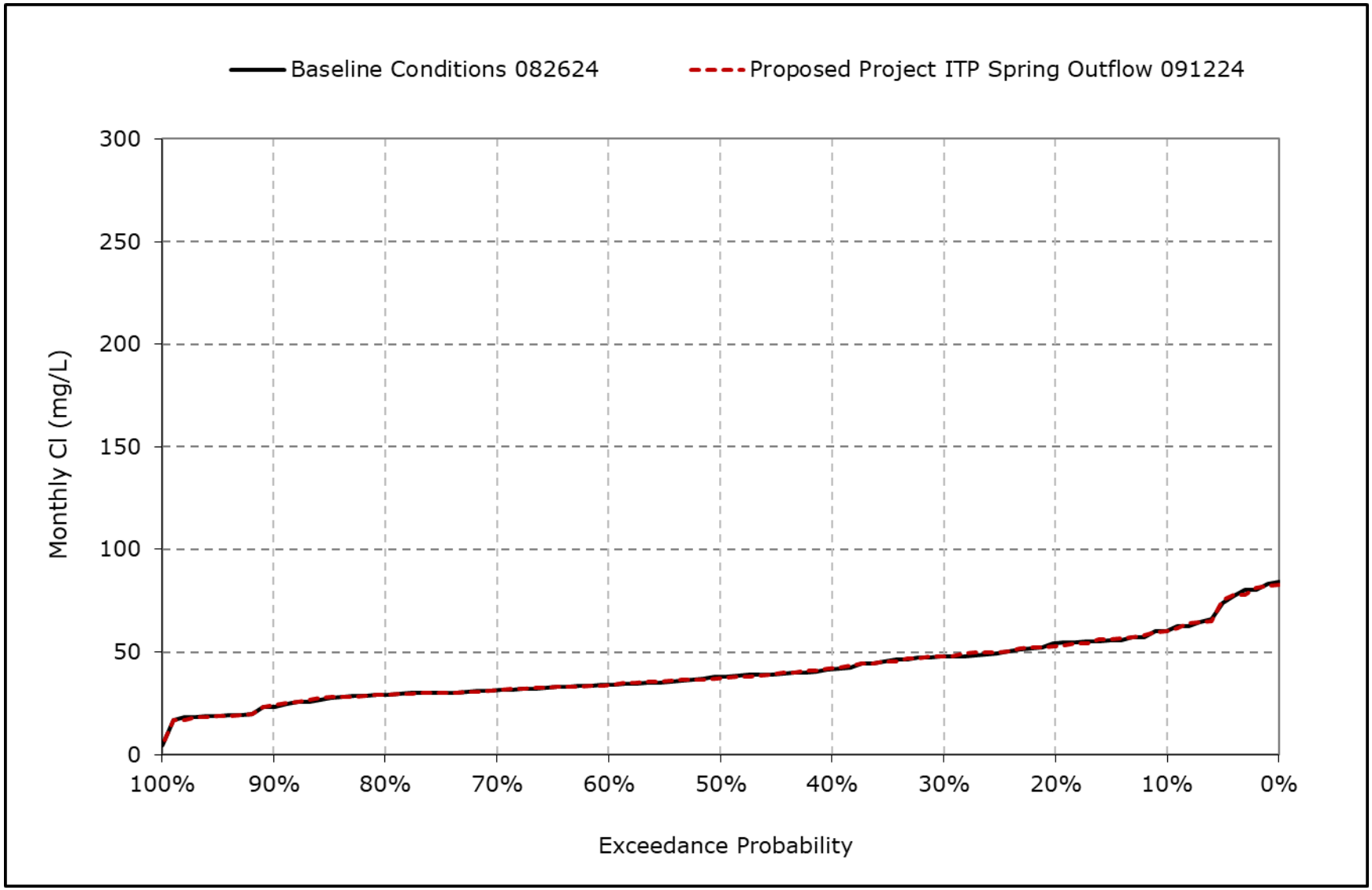
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-9l. Contra Costa Pumping Plant Chloride, March Cl



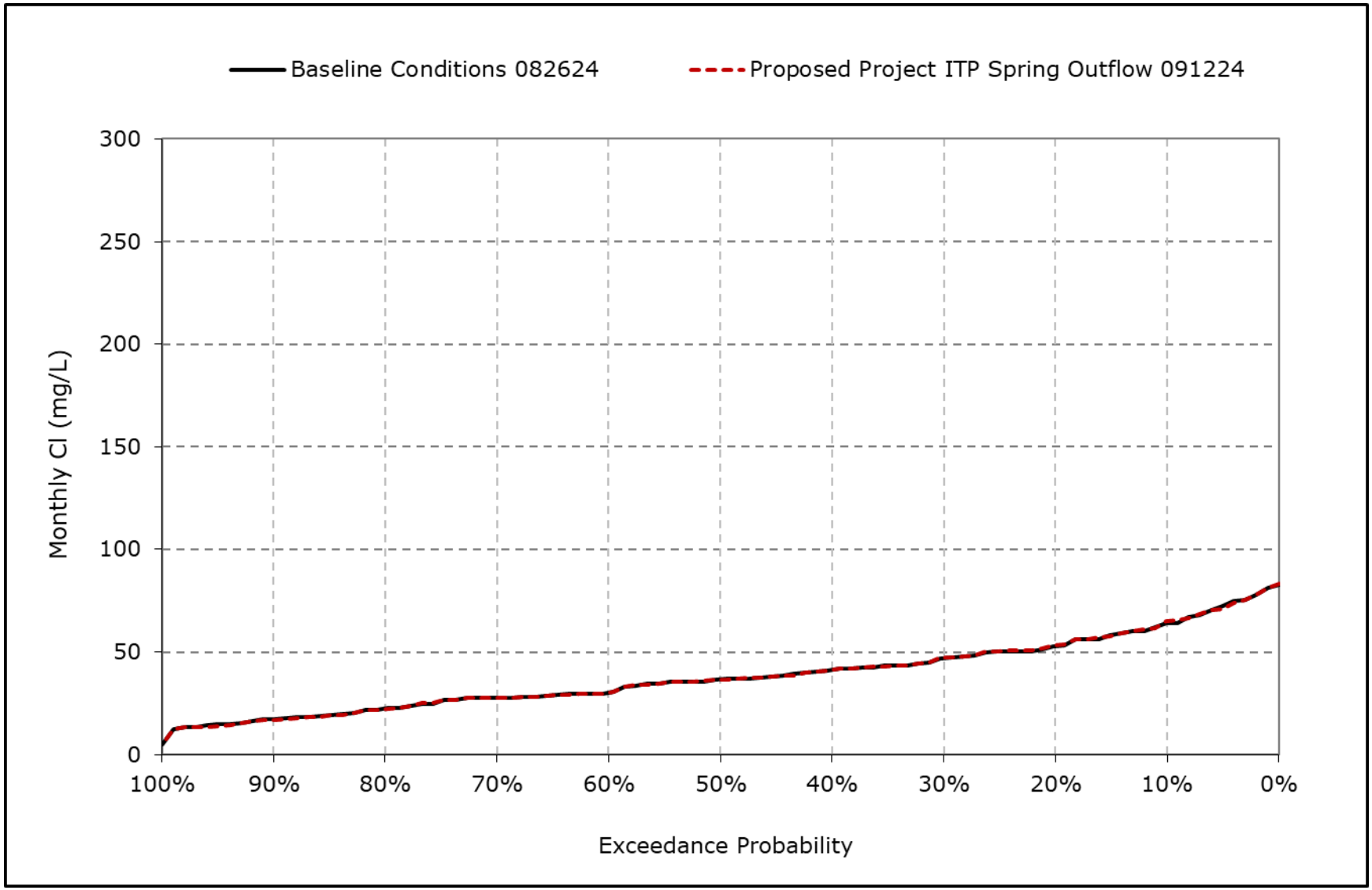
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-9m. Contra Costa Pumping Plant Chloride, April Cl



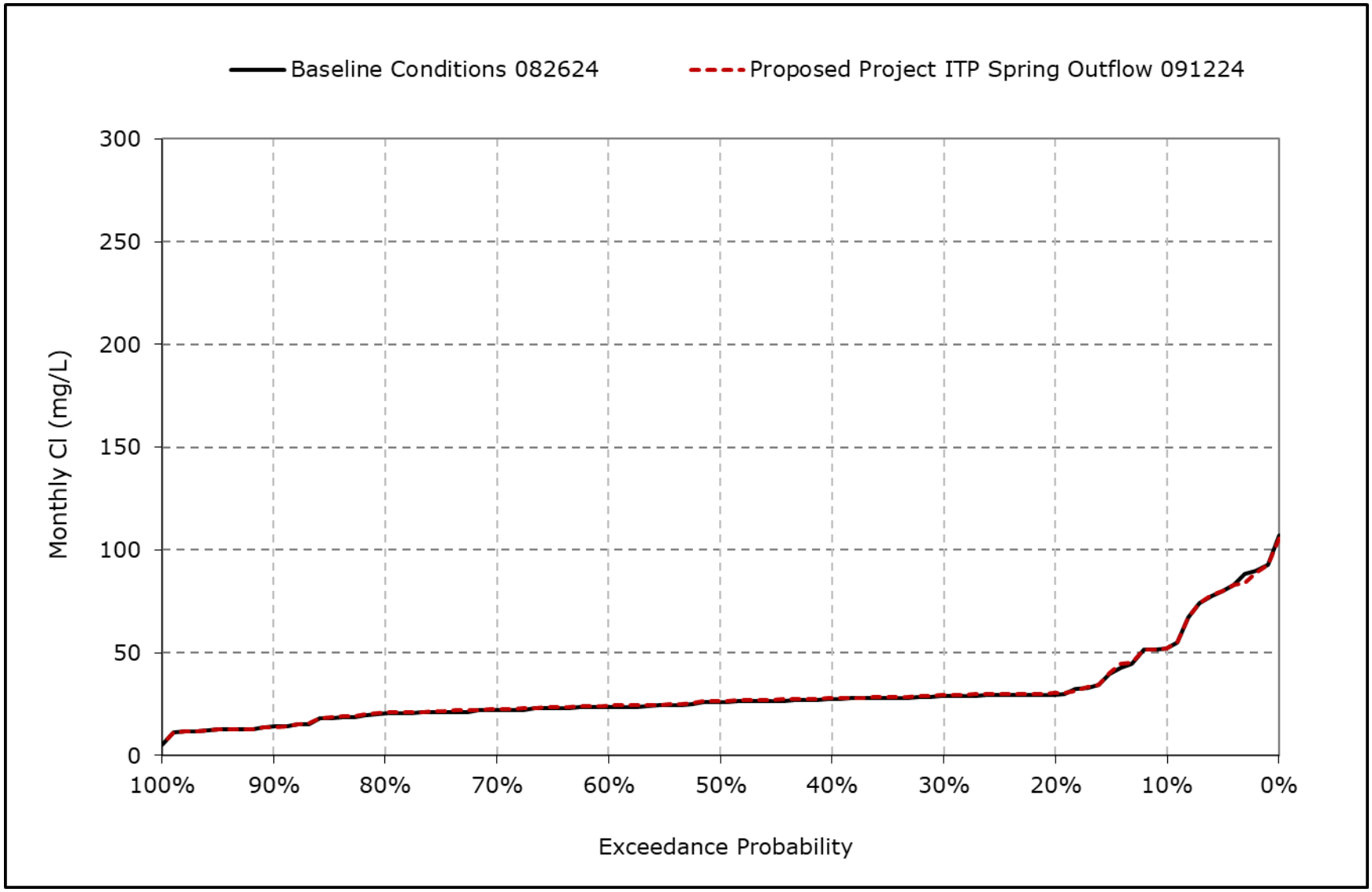
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-9n. Contra Costa Pumping Plant Chloride, May Cl



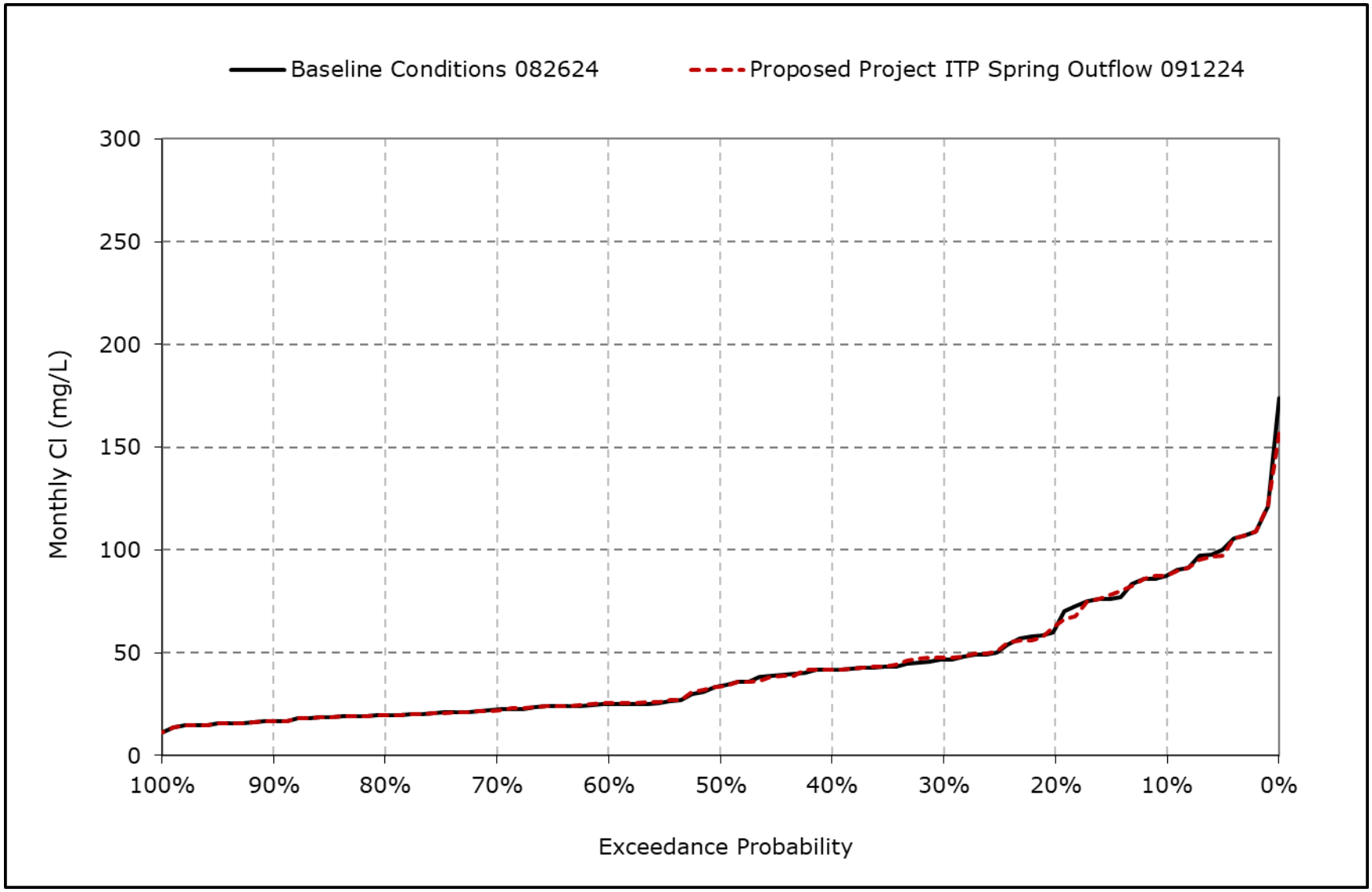
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-9o. Contra Costa Pumping Plant Chloride, June Cl



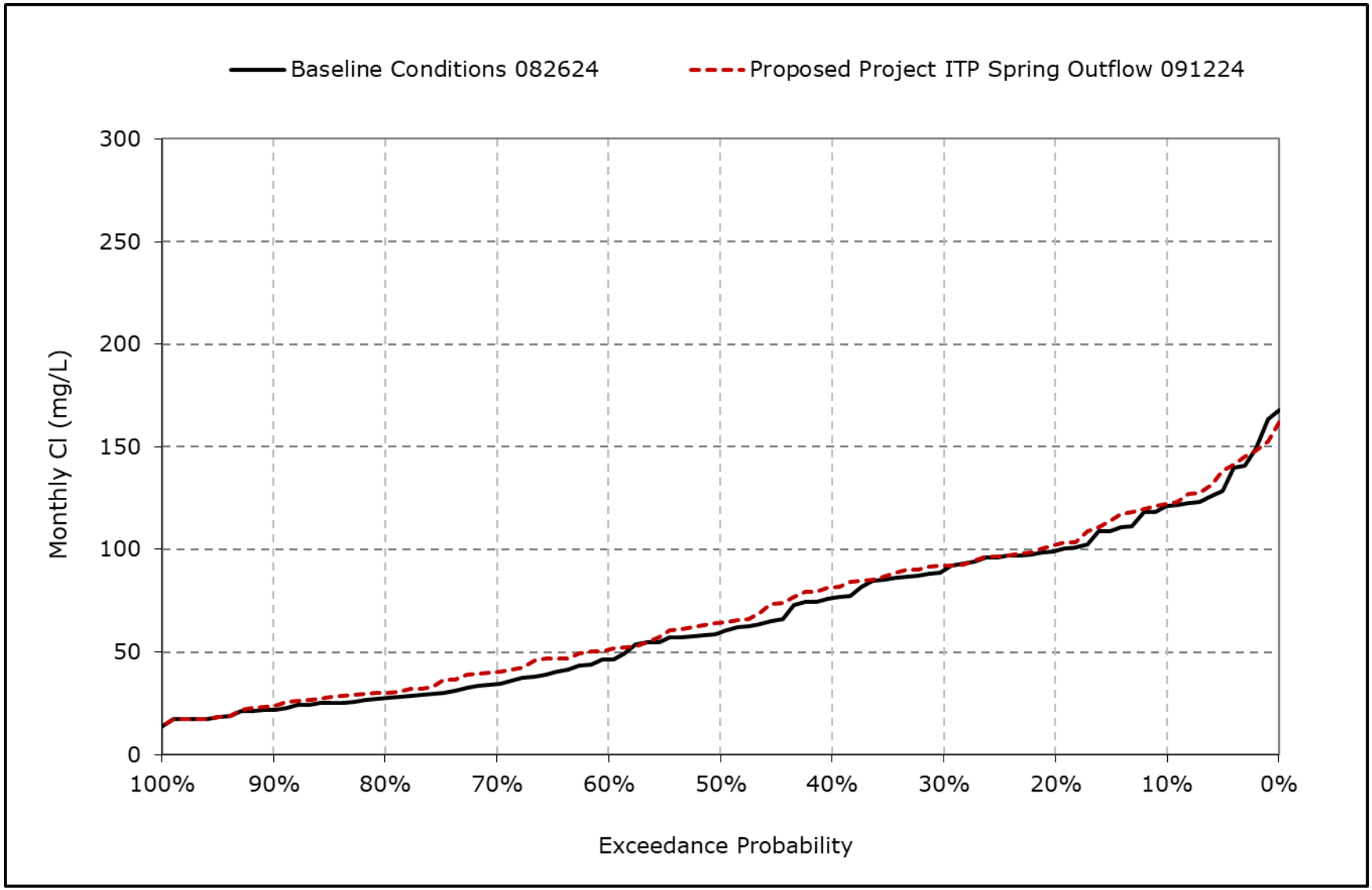
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-9p. Contra Costa Pumping Plant Chloride, July Cl



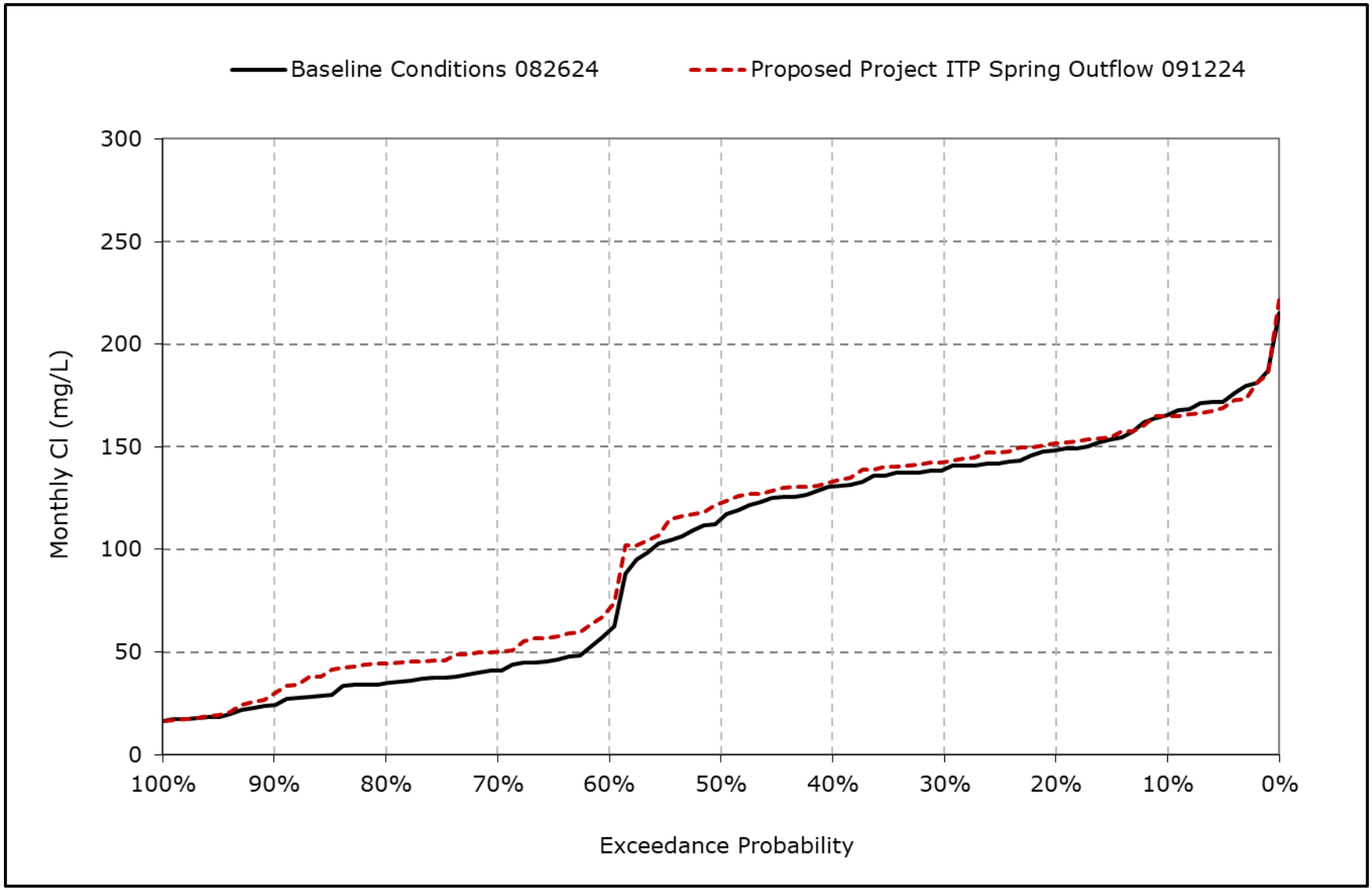
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-9q. Contra Costa Pumping Plant Chloride, August Cl



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

Figure 4L-8-9r. Contra Costa Pumping Plant Chloride, September Cl



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

Table 4L-8-10-1a. San Joaquin River at Antioch Chloride, Baseline Conditions 082624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,882	1,793	1,404	885	325	196	221	380	788	1,074	1,281	1,731
20% Exceedance	1,665	1,624	1,243	652	178	84	119	203	397	805	1,155	1,620
30% Exceedance	1,562	1,510	1,092	499	126	35	69	158	355	675	1,073	1,500
40% Exceedance	1,489	1,448	951	245	63	27	33	74	314	589	966	1,371
50% Exceedance	1,259	1,088	734	175	28	24	26	36	224	445	832	1,194
60% Exceedance	300	769	462	103	26	22	23	27	133	304	566	395
70% Exceedance	251	718	271	38	23	21	21	22	43	228	494	348
80% Exceedance	244	584	193	22	21	20	20	19	20	159	443	325
90% Exceedance	208	274	80	19	19	19	17	15	15	85	328	280
Full Simulation Period Average[a]	998	1,082	725	332	121	71	84	141	289	497	791	995
Wet Water Years (32%)	869	851	341	70	24	20	19	23	53	136	362	279
Above Normal Years (9%)	910	965	596	122	26	23	23	29	103	220	492	312
Below Normal Years (20%)	897	1,063	875	341	78	30	36	62	249	473	850	1,230
Dry Water Years (21%)	964	1,128	864	494	171	82	97	142	337	727	1,086	1,522
Critical Water Years (18%)	1,423	1,519	1,142	703	331	220	270	495	788	1,034	1,293	1,732

Table 4L-8-10-1b. San Joaquin River at Antioch Chloride, Proposed Project ITP Spring Outflow 091224, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,886	1,798	1,407	860	349	191	222	385	794	1,075	1,270	1,722
20% Exceedance	1,701	1,625	1,244	657	190	83	115	205	397	805	1,222	1,645
30% Exceedance	1,562	1,510	1,096	505	124	36	69	159	348	675	1,118	1,546
40% Exceedance	1,510	1,452	951	244	58	27	33	75	311	563	893	1,399
50% Exceedance	1,321	1,091	741	173	27	24	27	37	214	439	791	1,214
60% Exceedance	311	766	460	103	26	22	23	26	125	308	626	418
70% Exceedance	265	708	257	38	23	21	21	22	37	224	526	381
80% Exceedance	244	591	187	22	21	20	20	19	20	149	482	360
90% Exceedance	214	285	82	19	19	19	17	15	15	84	421	299
Full Simulation Period Average[a]	1,015	1,085	723	330	116	68	84	141	284	495	808	1,024
Wet Water Years (32%)	892	851	332	65	23	20	19	23	48	135	400	313
Above Normal Years (9%)	914	964	608	126	26	23	23	29	96	222	536	333
Below Normal Years (20%)	911	1,067	871	337	77	29	36	65	244	461	800	1,268
Dry Water Years (21%)	970	1,136	864	493	164	79	96	143	334	734	1,136	1,564
Critical Water Years (18%)	1,449	1,519	1,144	704	314	210	268	489	784	1,034	1,295	1,733

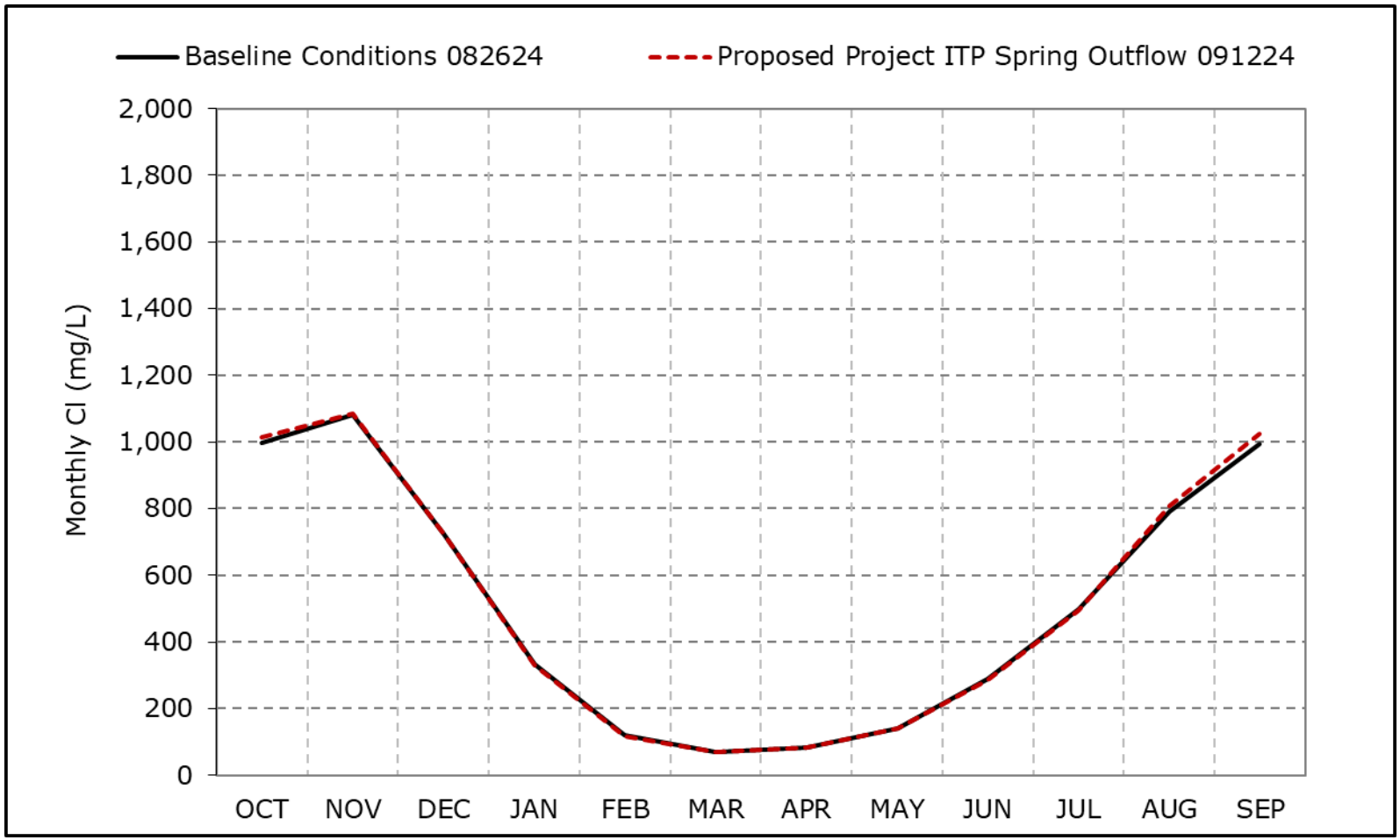
Table 4L-8-10-1c. San Joaquin River at Antioch Chloride, Proposed Project ITP Spring Outflow 091224 minus Baseline Conditions 082624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4	5	3	-24	24	-6	1	6	6	1	-10	-9
20% Exceedance	36	0	1	5	12	-1	-4	2	0	0	68	25
30% Exceedance	0	-1	4	7	-3	0	0	1	-7	0	45	47
40% Exceedance	21	4	0	-1	-5	0	0	2	-4	-26	-73	28
50% Exceedance	62	3	6	-3	0	0	0	1	-10	-6	-41	21
60% Exceedance	11	-3	-2	-1	0	0	0	0	-8	4	59	24
70% Exceedance	14	-9	-14	0	0	0	0	0	-7	-3	31	33
80% Exceedance	1	7	-6	0	0	0	0	0	0	-10	39	35
90% Exceedance	7	11	2	0	0	0	0	0	0	-2	93	19
Full Simulation Period Average[a]	17	2	-2	-2	-5	-3	-1	0	-5	-1	17	29
Wet Water Years (32%)	23	0	-9	-5	0	0	0	0	-5	-2	38	34
Above Normal Years (9%)	4	-1	12	5	0	0	0	0	-6	2	44	20
Below Normal Years (20%)	14	4	-4	-4	-1	-1	0	3	-5	-12	-50	37
Dry Water Years (21%)	7	8	0	-1	-7	-3	-1	1	-3	7	51	41
Critical Water Years (18%)	26	0	2	1	-17	-10	-2	-6	-4	0	3	1

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

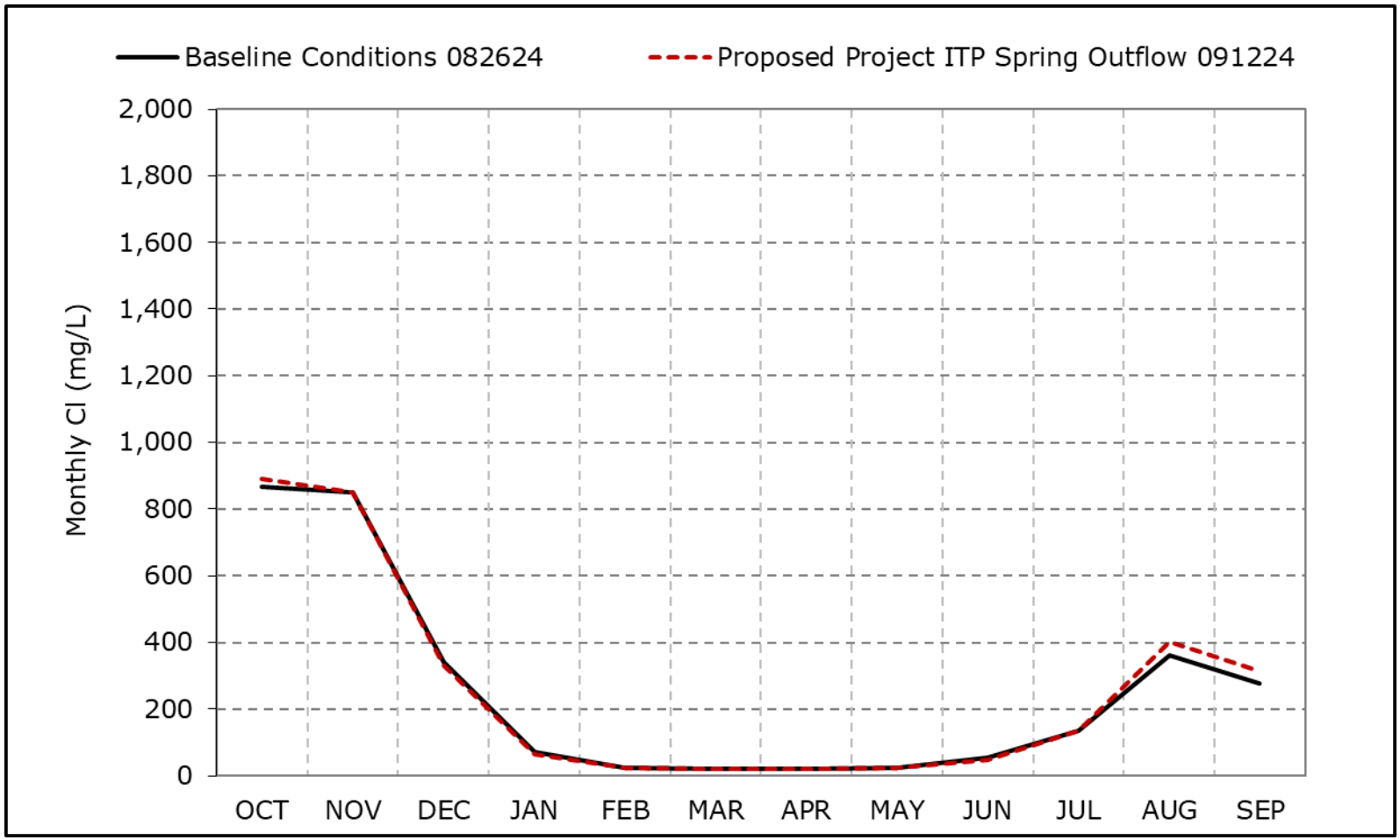
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4L-8-10a. San Joaquin River at Antioch Chloride, Long-Term Average Cl



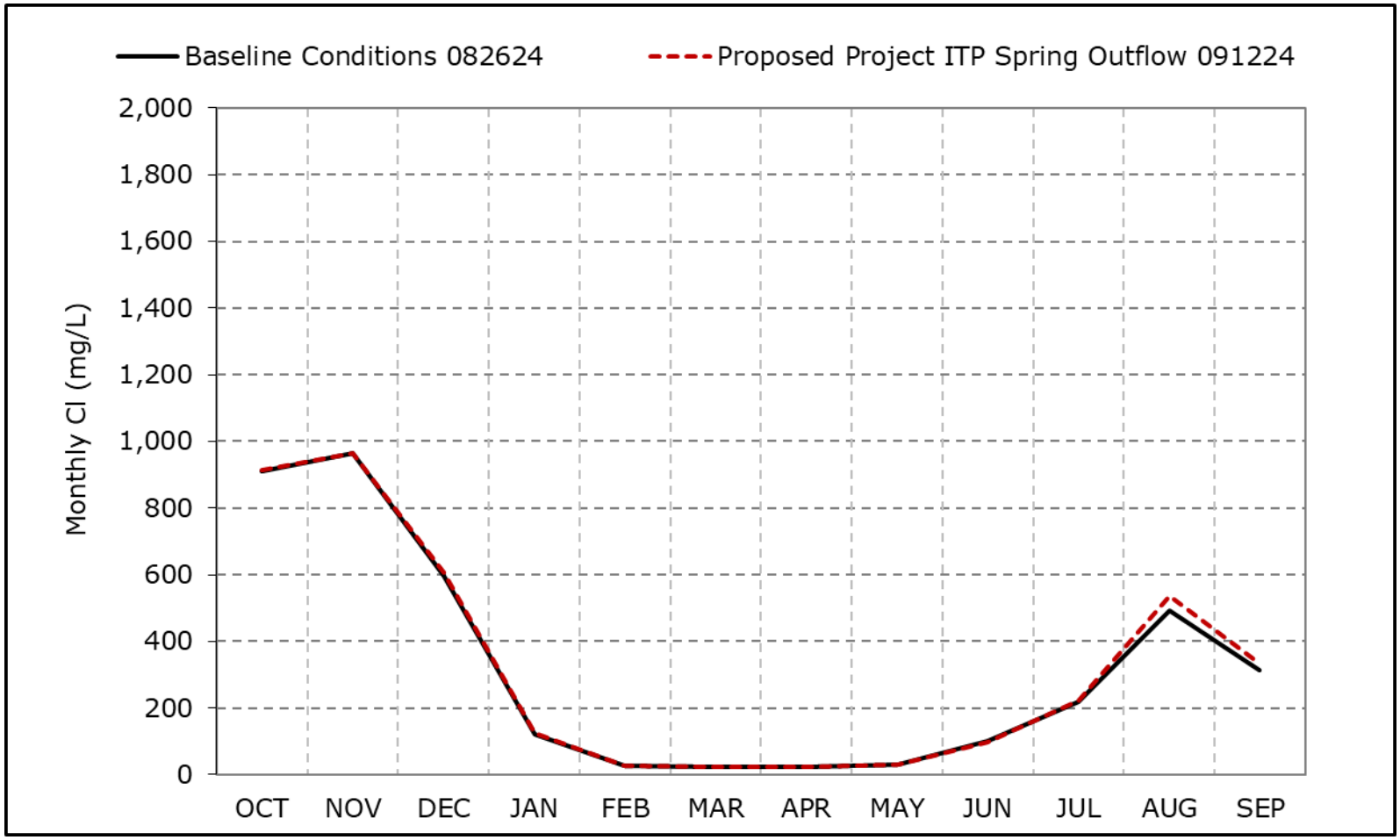
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-10b. San Joaquin River at Antioch Chloride, Wet Year Average Cl



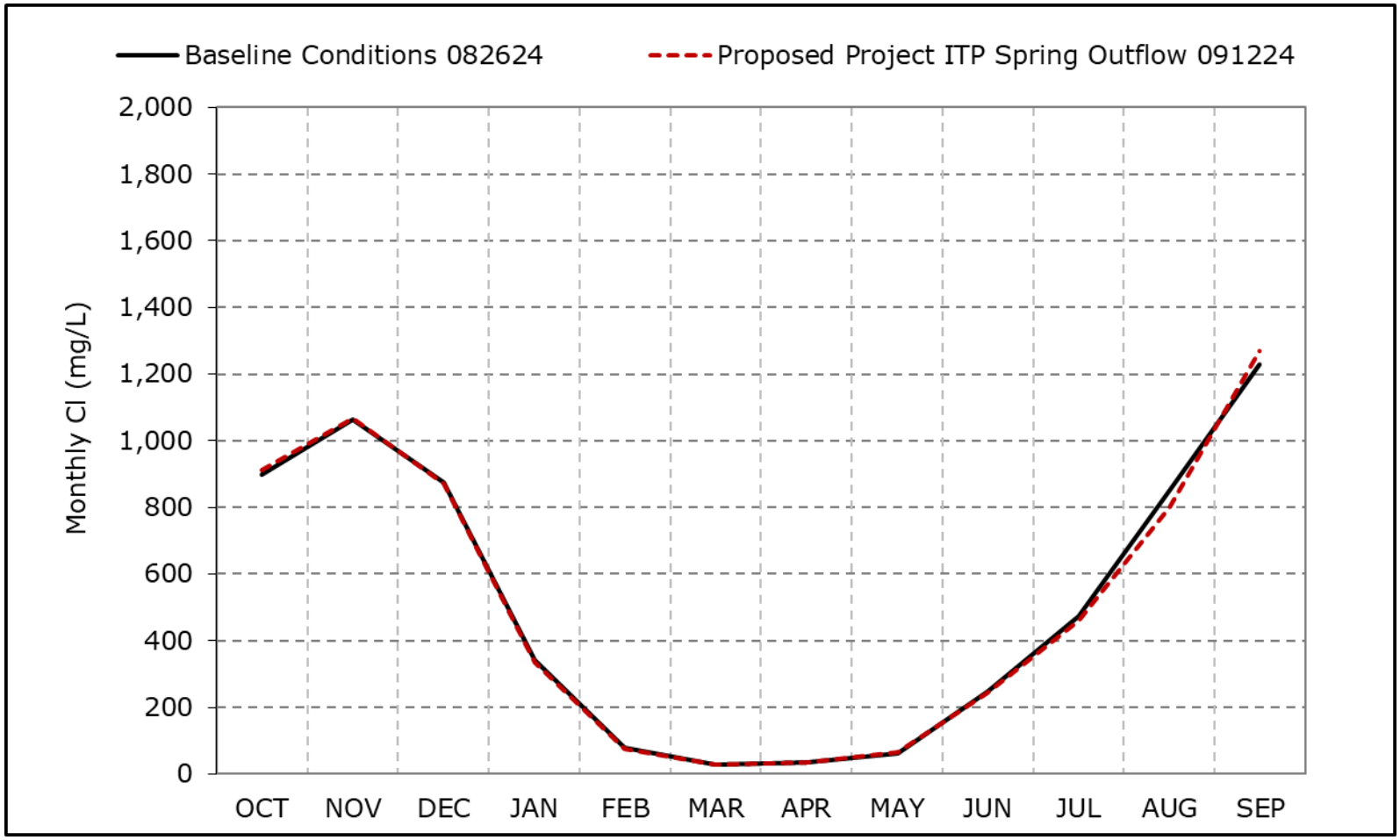
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-10c. San Joaquin River at Antioch Chloride, Above Normal Year Average Cl



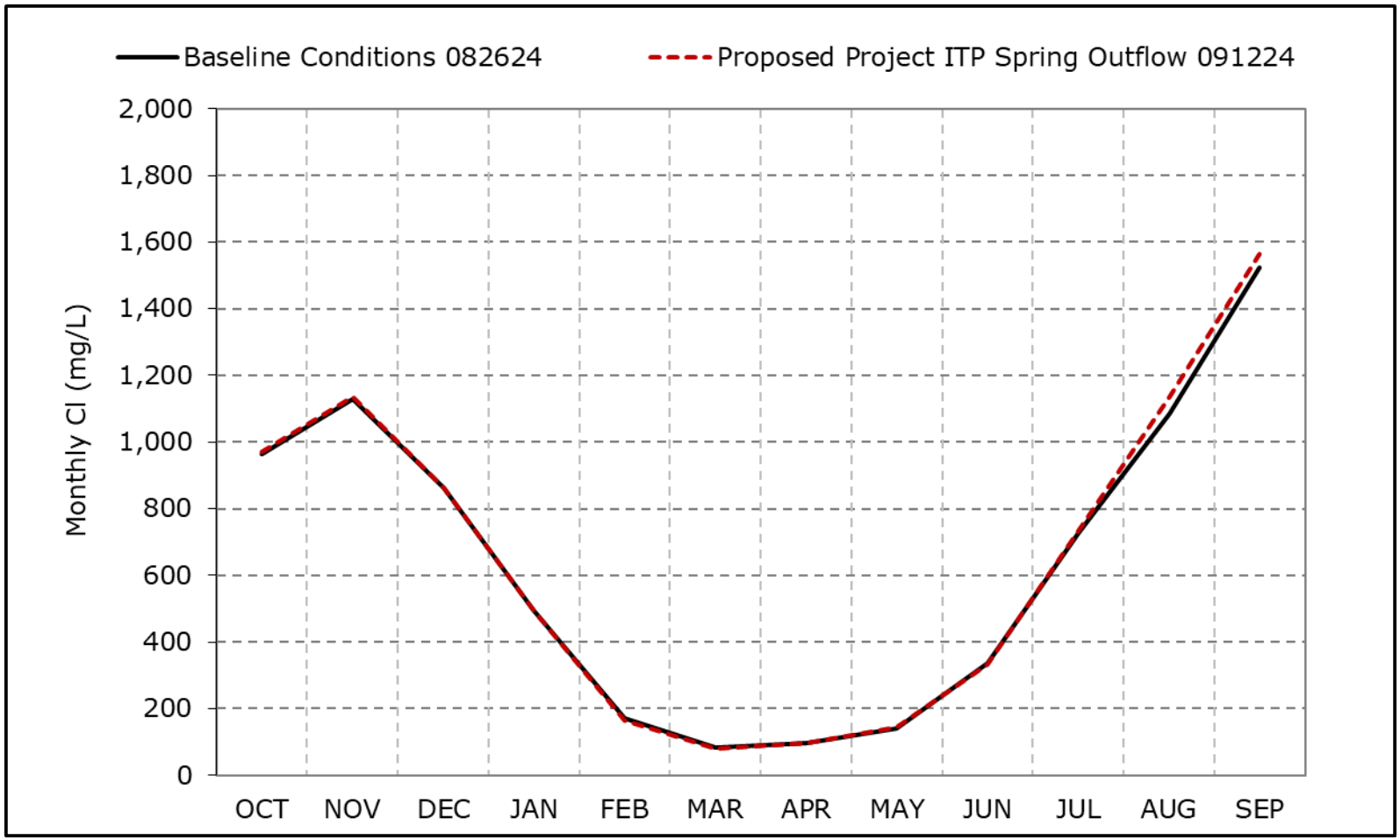
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-10d. San Joaquin River at Antioch Chloride, Below Normal Year Average Cl



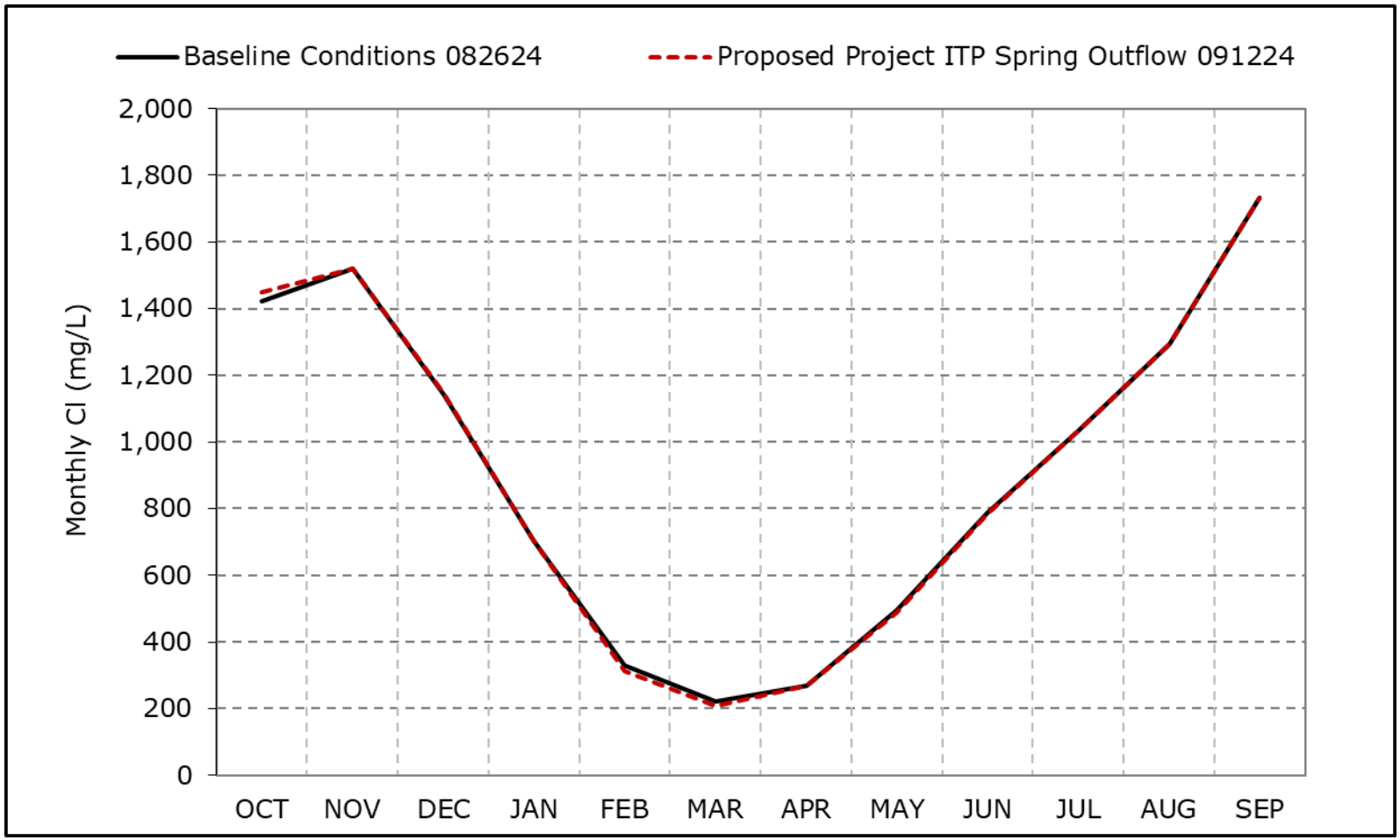
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-10e. San Joaquin River at Antioch Chloride, Dry Year Average Cl



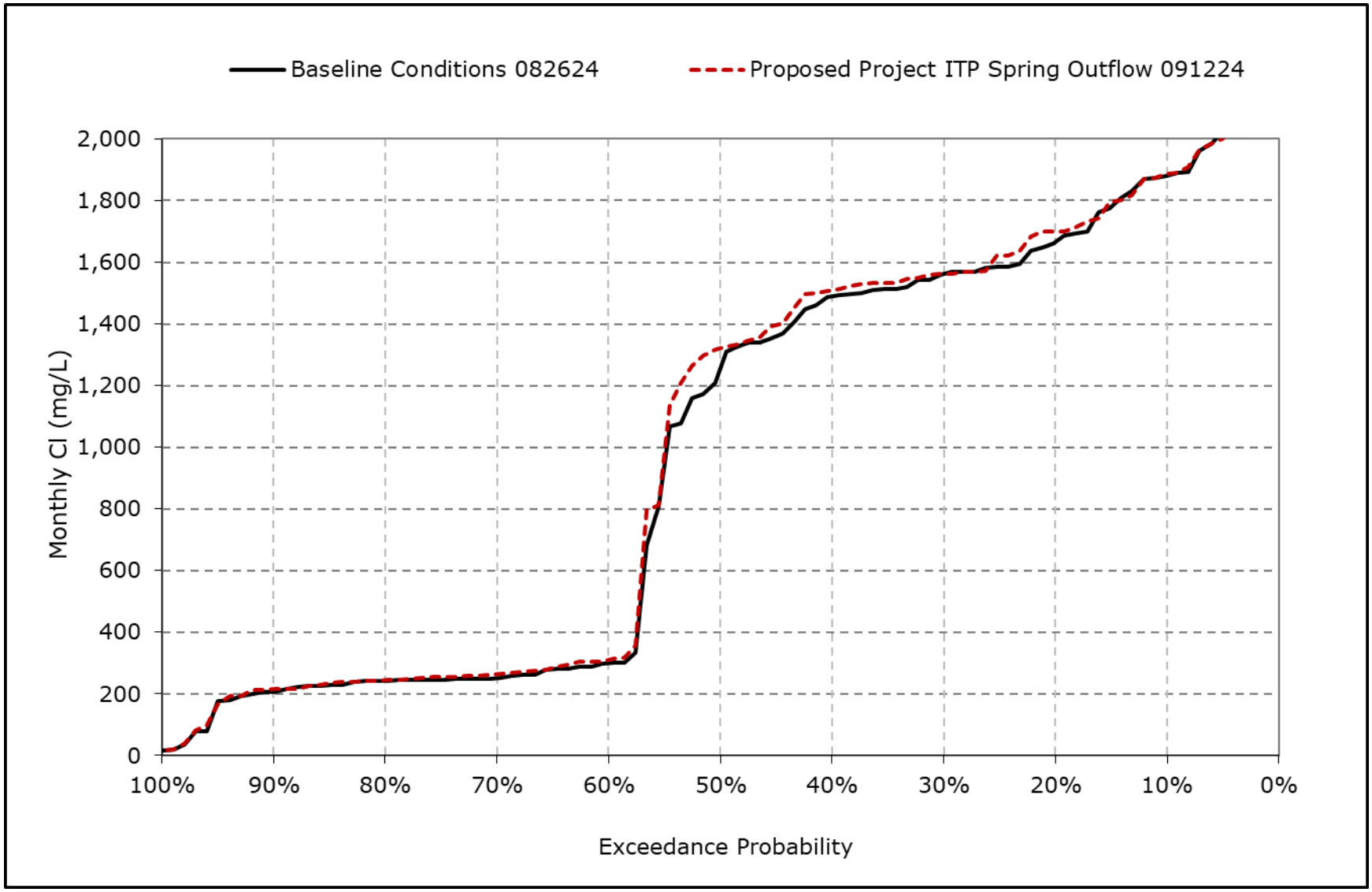
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-10f. San Joaquin River at Antioch Chloride, Critical Year Average Cl



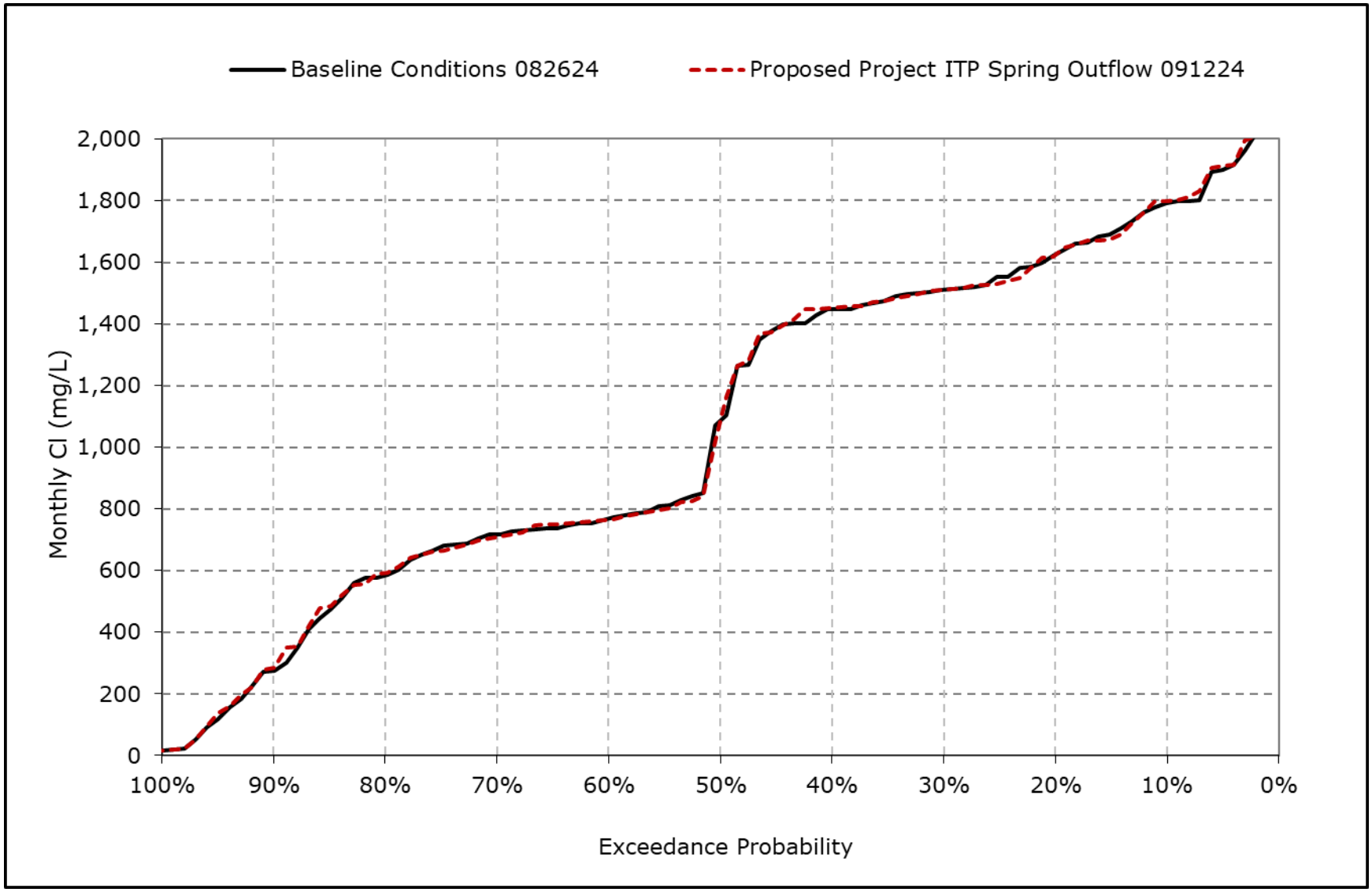
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-10g. San Joaquin River at Antioch Chloride, October Cl



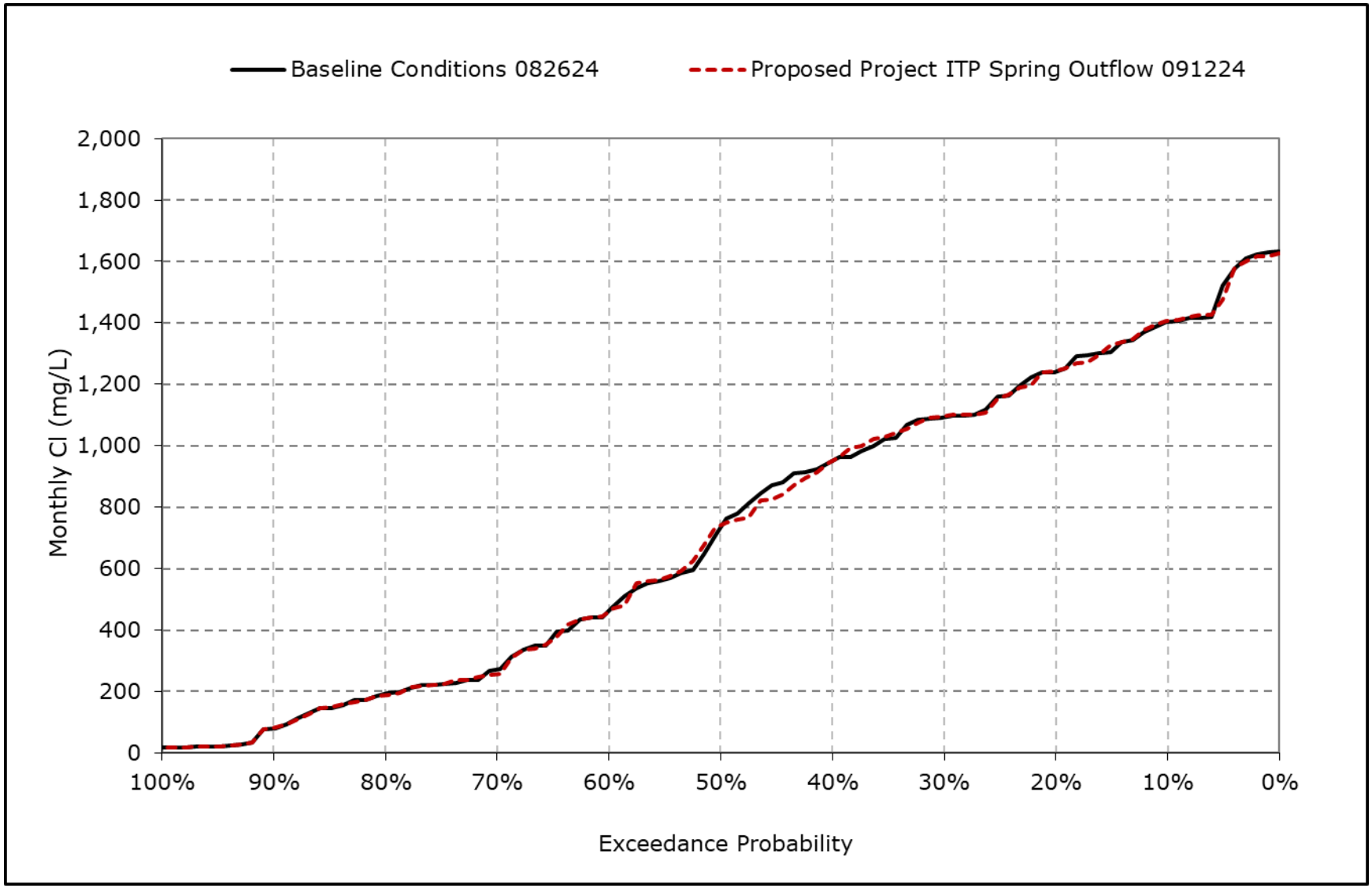
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-10h. San Joaquin River at Antioch Chloride, November Cl



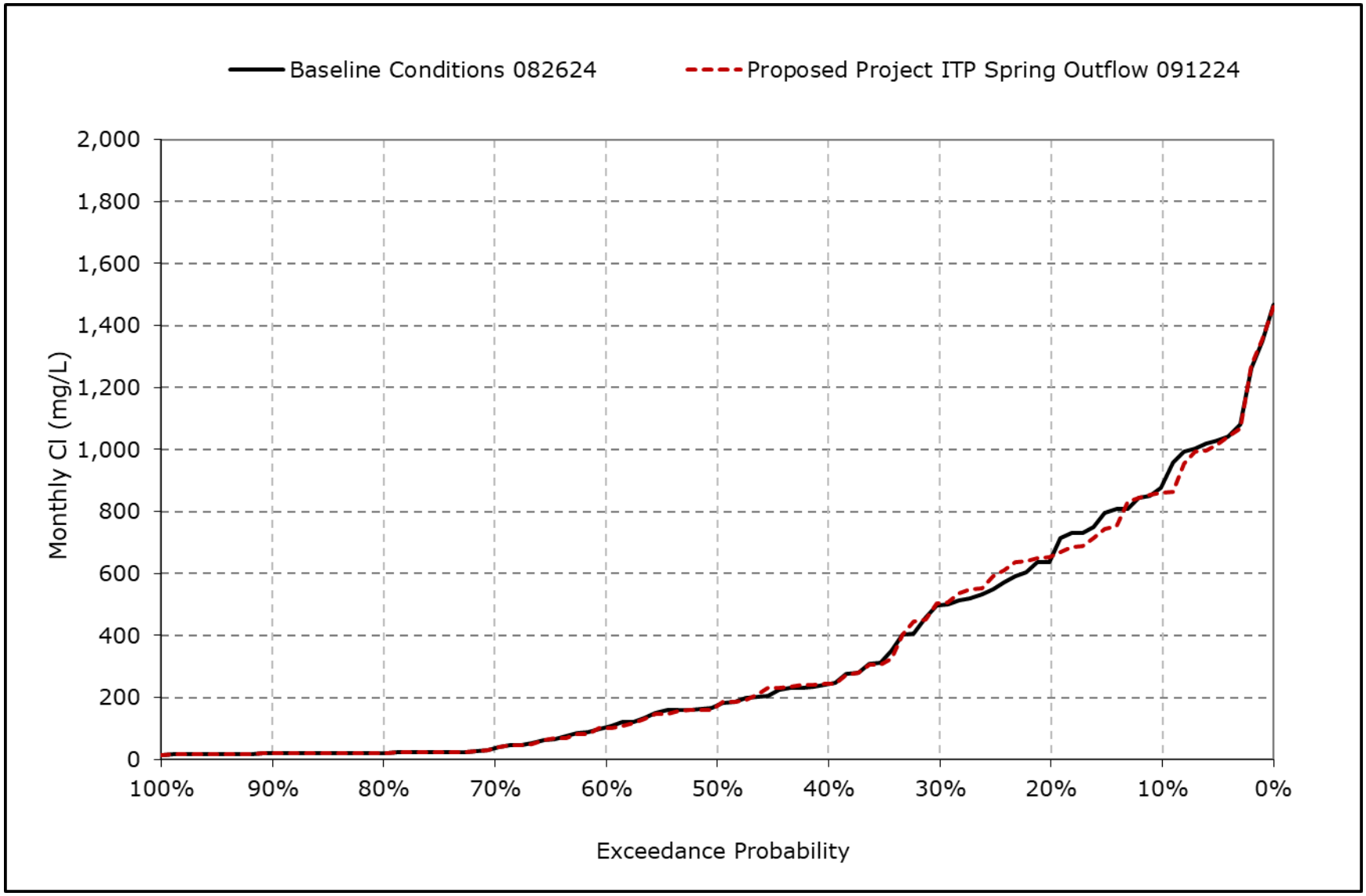
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-10i. San Joaquin River at Antioch Chloride, December Cl



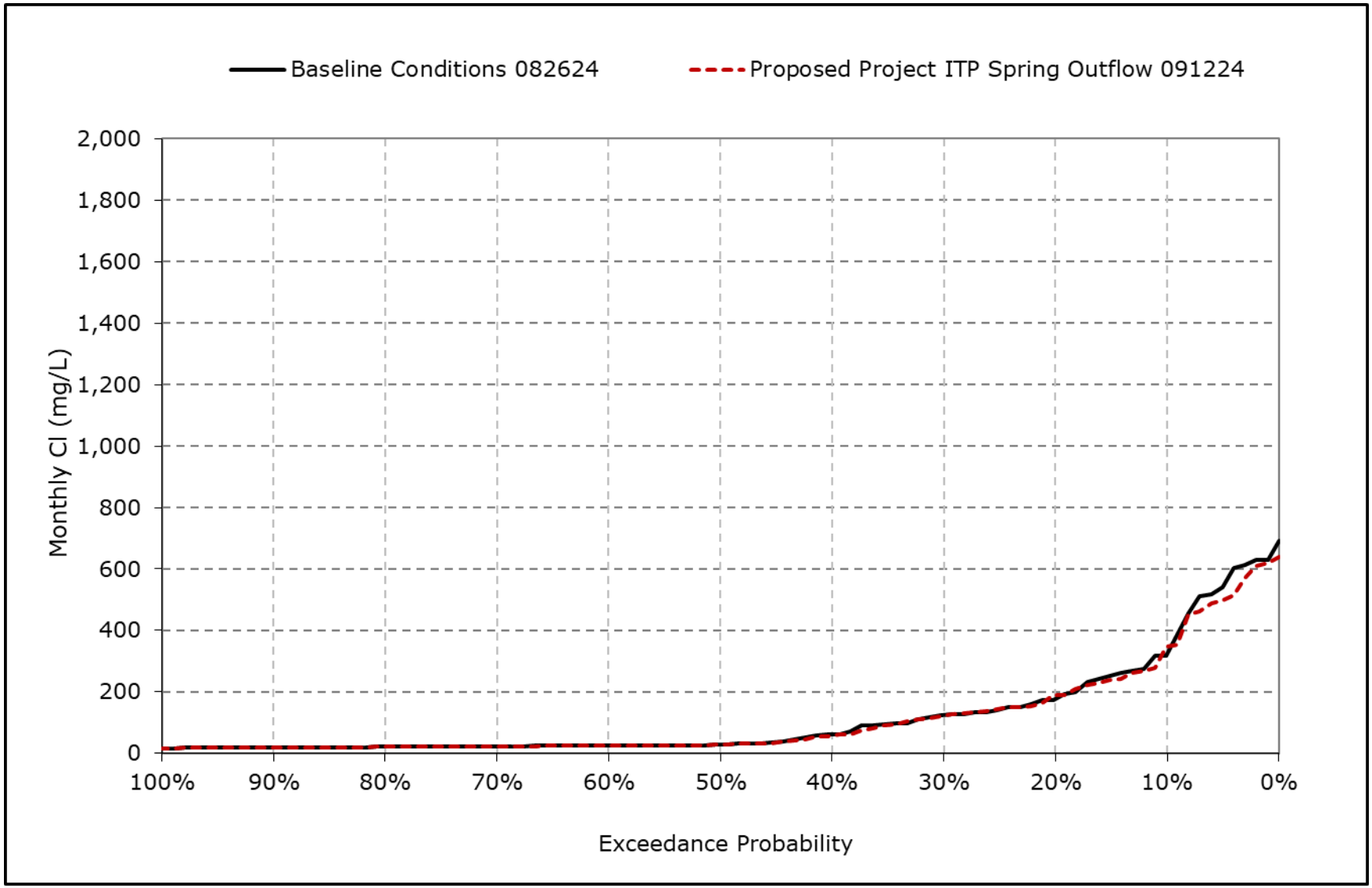
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-10j. San Joaquin River at Antioch Chloride, January Cl



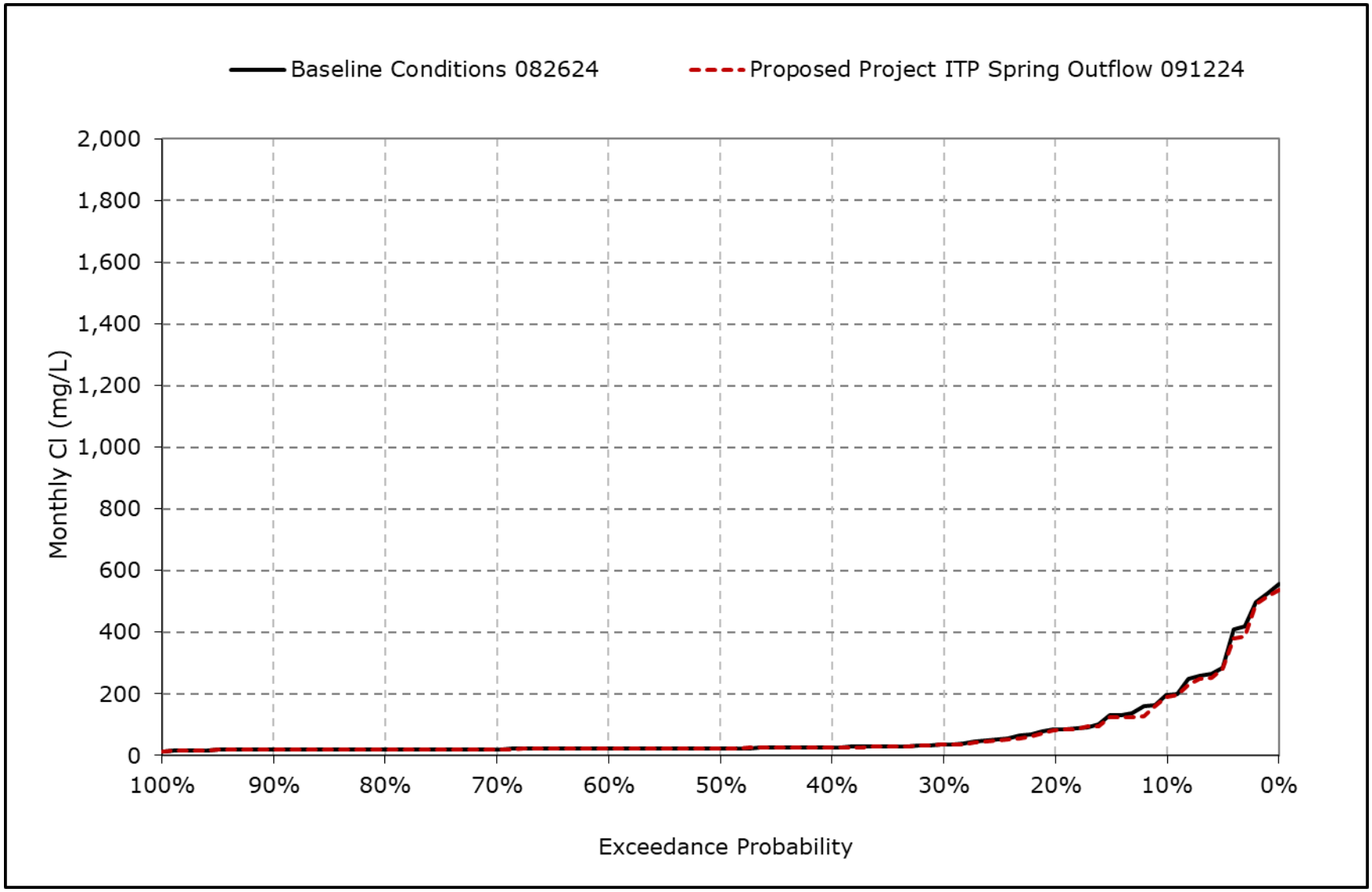
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-10k. San Joaquin River at Antioch Chloride, February Cl



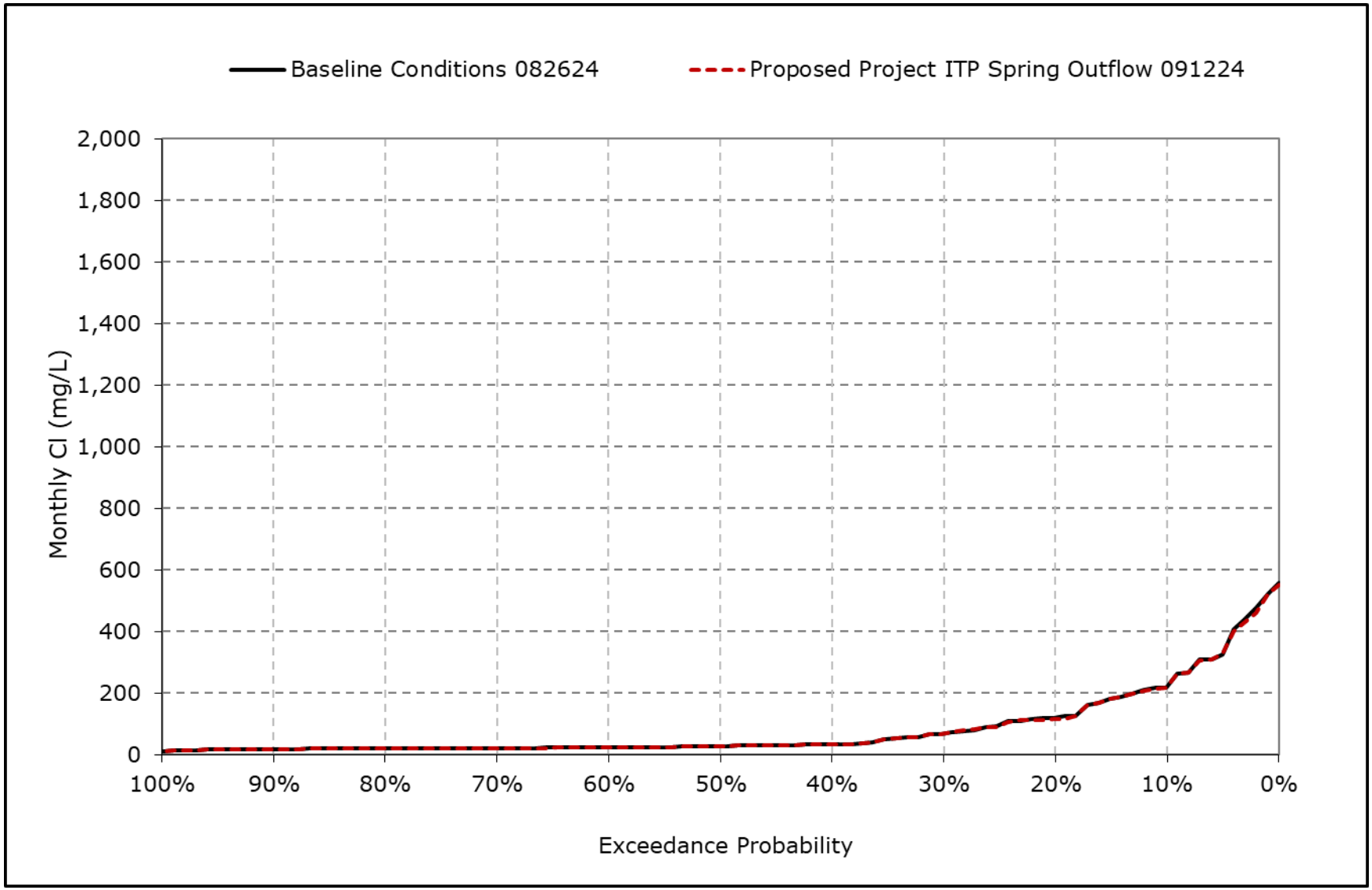
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-10l. San Joaquin River at Antioch Chloride, March Cl



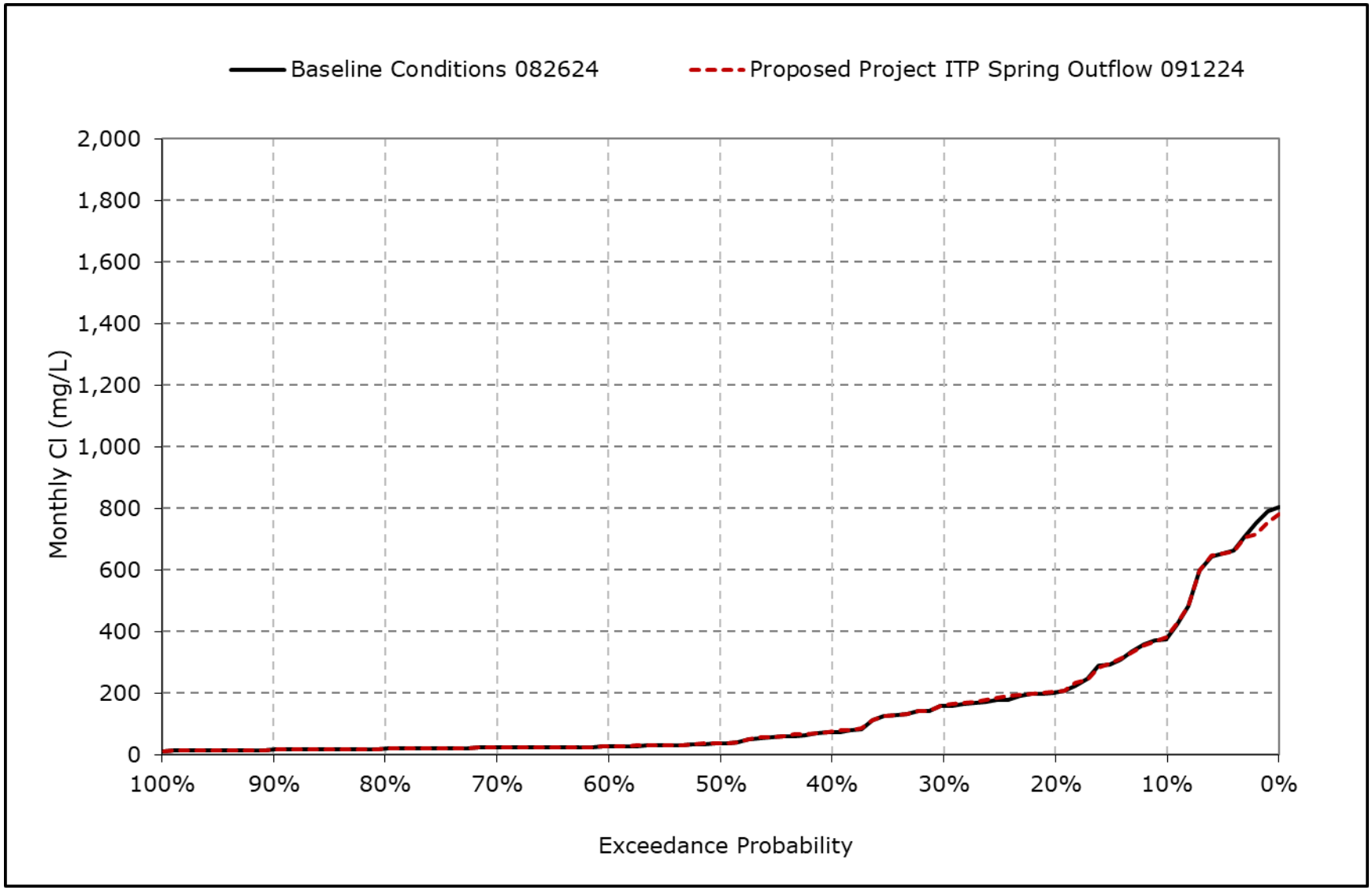
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-10m. San Joaquin River at Antioch Chloride, April Cl



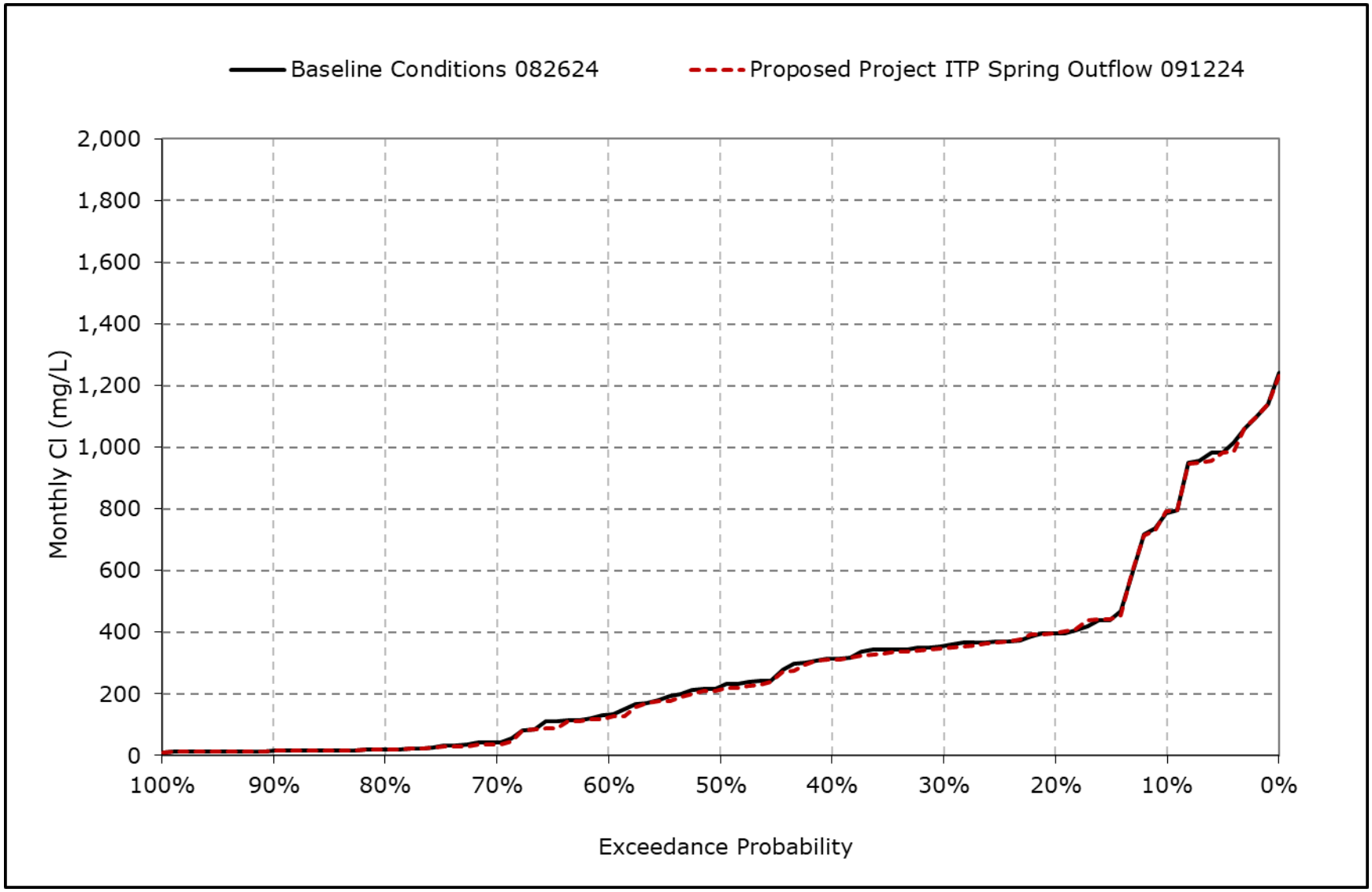
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-10n. San Joaquin River at Antioch Chloride, May Cl



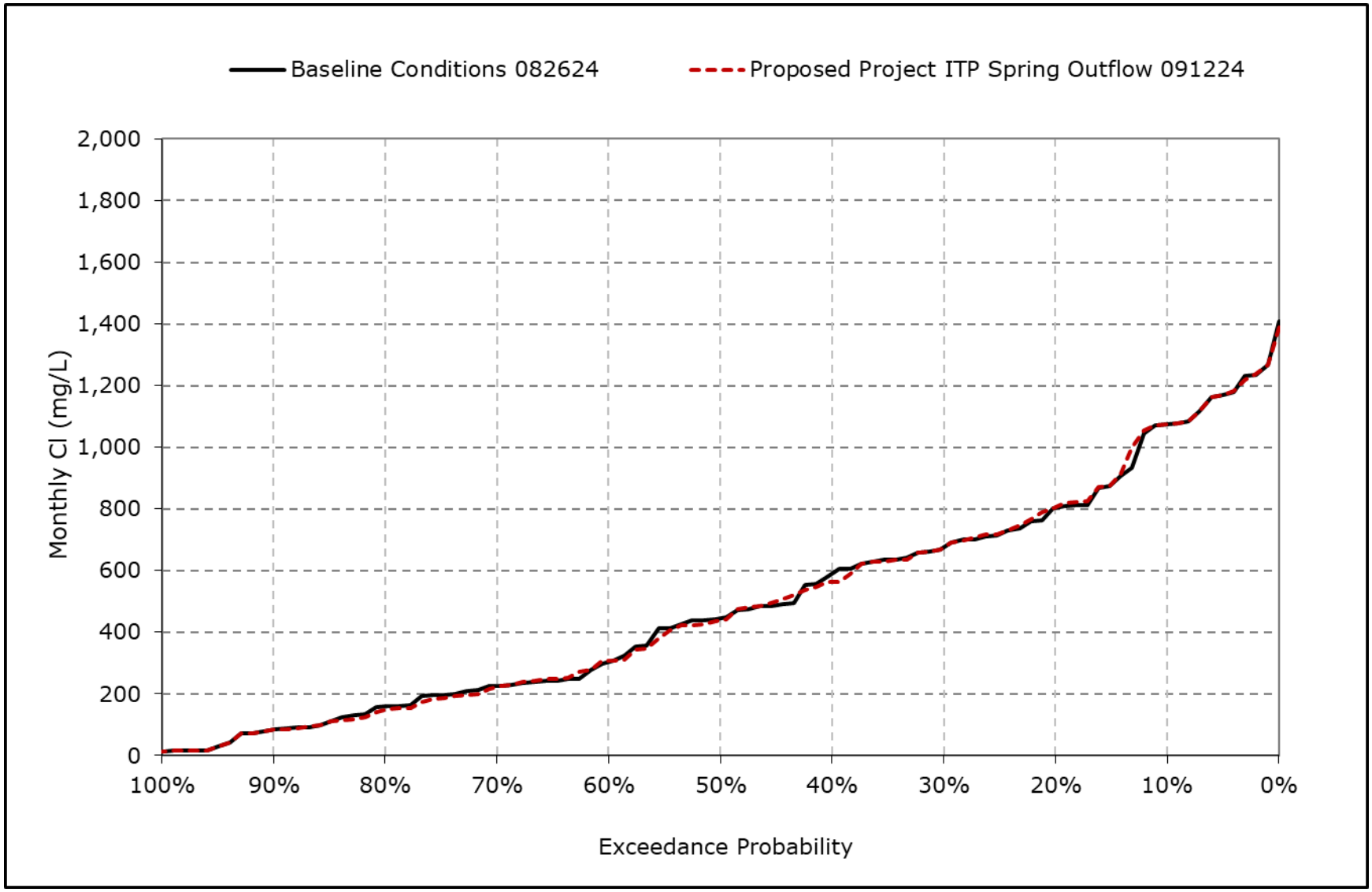
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-10o. San Joaquin River at Antioch Chloride, June Cl



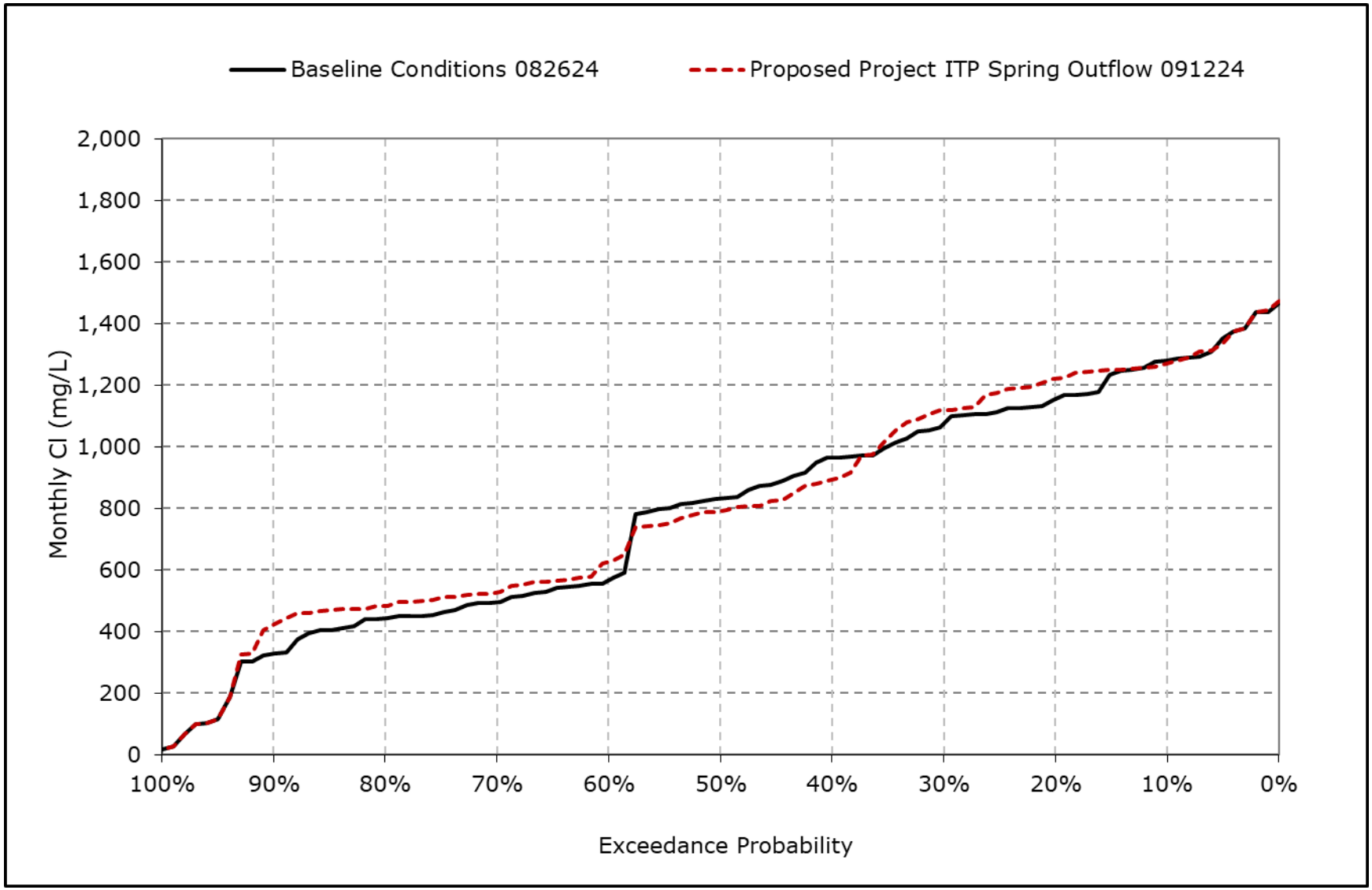
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-10p. San Joaquin River at Antioch Chloride, July Cl



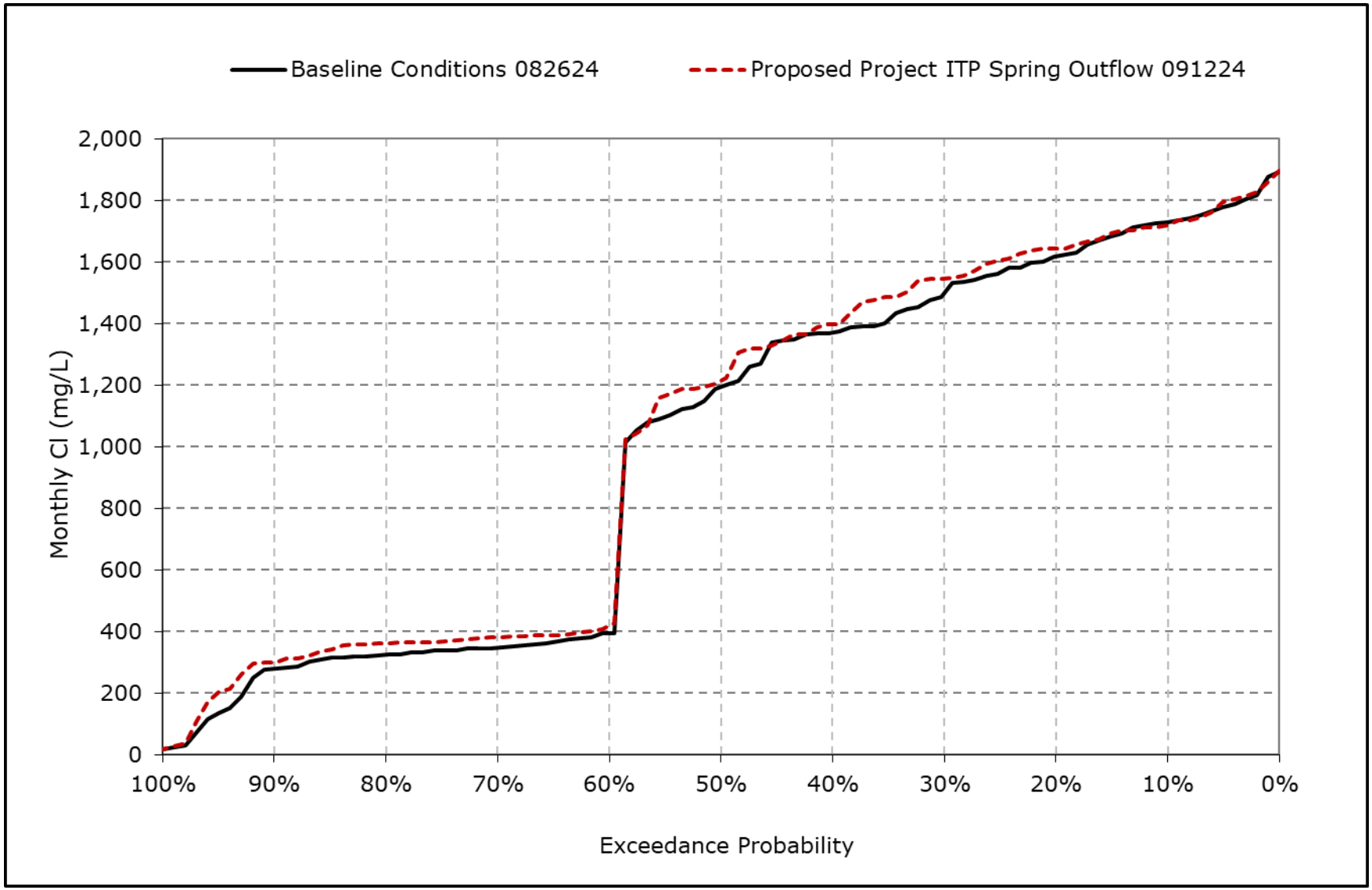
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-10q. San Joaquin River at Antioch Chloride, August Cl



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

Figure 4L-8-10r. San Joaquin River at Antioch Chloride, September Cl



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

Table 4L-8-11-1a. Banks Pumping Plant South Delta Exports Chloride, Baseline Conditions 082624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	117	143	166	165	128	93	89	86	77	74	87	104
20% Exceedance	113	117	154	153	108	80	80	82	58	49	75	92
30% Exceedance	105	111	145	146	98	74	76	78	53	39	58	85
40% Exceedance	102	103	134	135	87	69	71	73	48	35	52	76
50% Exceedance	91	98	128	118	80	64	65	69	45	34	40	68
60% Exceedance	35	43	116	90	69	61	61	55	37	27	31	45
70% Exceedance	29	38	102	68	57	56	49	44	34	26	28	38
80% Exceedance	28	35	84	61	48	46	35	28	26	24	26	31
90% Exceedance	26	32	51	46	35	30	19	18	12	19	24	26
Full Simulation Period Average[a]	74	82	118	108	80	64	60	58	44	38	48	64
Wet Water Years (32%)	70	76	97	76	51	41	32	29	22	22	25	31
Above Normal Years (9%)	70	77	125	110	84	75	69	63	38	26	27	34
Below Normal Years (20%)	67	76	119	116	85	70	65	59	43	33	50	89
Dry Water Years (21%)	71	78	123	119	91	69	73	77	52	42	65	79
Critical Water Years (18%)	93	108	147	144	112	88	86	85	77	76	79	90

Table 4L-8-11-1b. Banks Pumping Plant South Delta Exports Chloride, Proposed Project ITP Spring Outflow 091224, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	118	144	164	162	127	98	90	86	77	74	86	103
20% Exceedance	113	121	154	153	112	84	80	82	60	50	76	97
30% Exceedance	108	111	145	144	102	77	78	79	57	39	59	88
40% Exceedance	103	105	135	136	89	70	72	73	50	37	54	82
50% Exceedance	94	97	129	119	81	65	68	69	48	34	42	68
60% Exceedance	38	43	117	90	71	62	61	55	40	27	35	51
70% Exceedance	30	39	103	69	58	57	48	44	36	26	29	42
80% Exceedance	28	35	84	63	50	47	35	28	27	24	27	37
90% Exceedance	27	32	52	46	37	30	19	17	12	19	25	29
Full Simulation Period Average[a]	75	83	118	109	82	65	61	58	45	39	49	66
Wet Water Years (32%)	72	77	97	76	52	40	32	29	23	22	26	35
Above Normal Years (9%)	71	76	126	113	87	76	69	63	40	26	30	40
Below Normal Years (20%)	68	76	120	117	88	72	65	59	45	33	50	89
Dry Water Years (21%)	71	78	123	117	92	72	74	78	54	42	66	84
Critical Water Years (18%)	95	109	147	146	114	90	87	85	77	75	78	90

Table 4L-8-11-1c. Banks Pumping Plant South Delta Exports Chloride, Proposed Project ITP Spring Outflow 091224 minus Baseline Conditions 082624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	-1	-3	-1	4	1	0	0	0	-1	0
20% Exceedance	1	4	0	0	5	4	0	0	2	1	0	5
30% Exceedance	3	0	0	-1	4	3	2	1	4	1	2	3
40% Exceedance	0	2	1	1	3	2	1	0	3	1	2	6
50% Exceedance	2	-1	0	1	1	1	2	1	3	0	2	0
60% Exceedance	2	0	1	1	2	1	0	0	3	0	4	6
70% Exceedance	1	1	1	1	1	1	-1	0	2	0	1	4
80% Exceedance	1	0	-1	1	2	1	0	0	1	0	1	5
90% Exceedance	0	1	0	0	2	-1	0	0	0	0	1	2
Full Simulation Period Average[a]	1	1	0	1	2	1	0	0	2	0	1	2
Wet Water Years (32%)	2	1	0	0	1	-1	0	0	1	0	1	3
Above Normal Years (9%)	2	0	1	4	3	1	0	0	2	0	3	5
Below Normal Years (20%)	1	0	0	1	3	2	1	0	2	0	1	0
Dry Water Years (21%)	0	0	0	-2	1	2	1	1	3	1	2	5
Critical Water Years (18%)	2	1	0	2	2	2	1	0	0	-1	-1	0

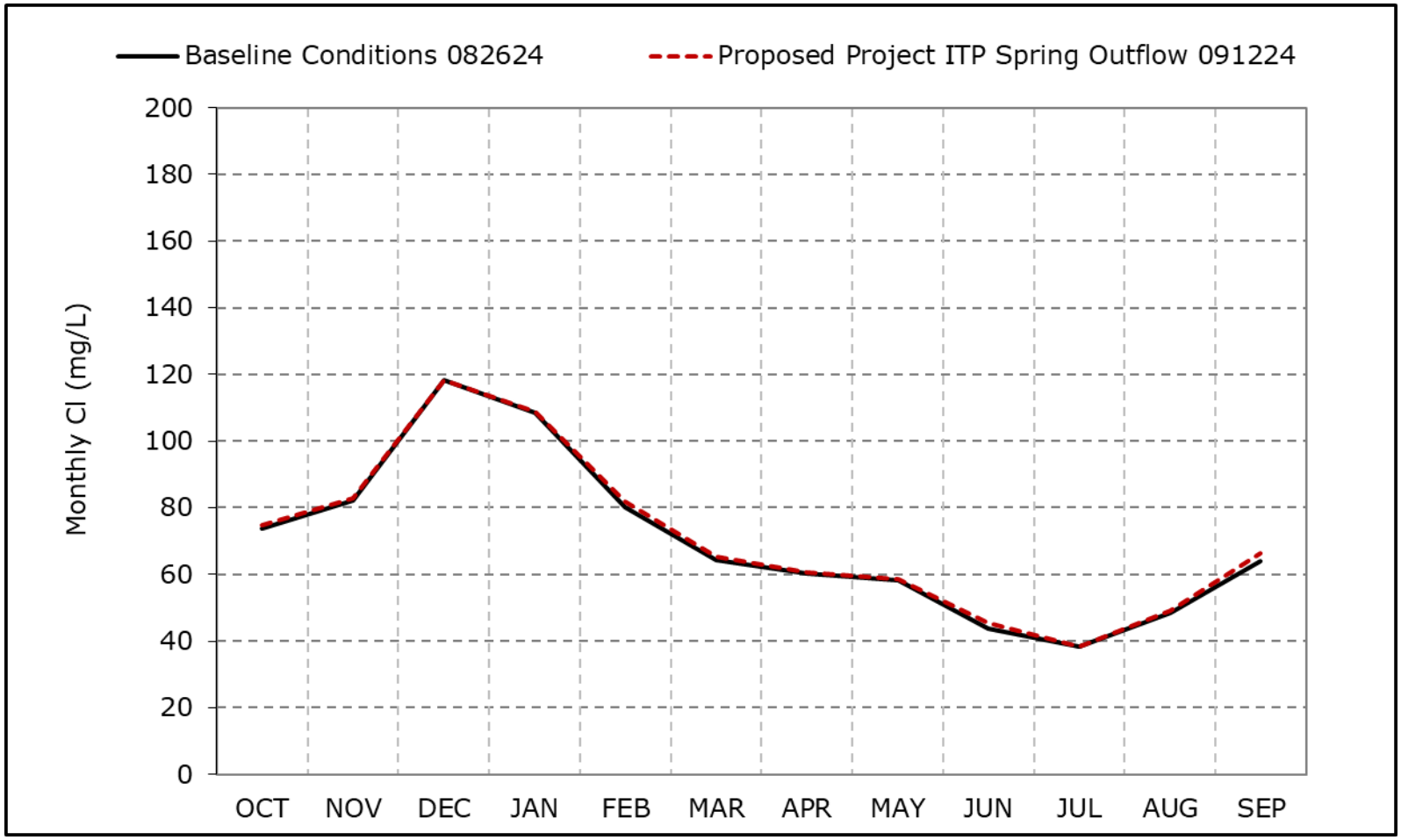
[a] Based on the 100-year simulation period.

* 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).

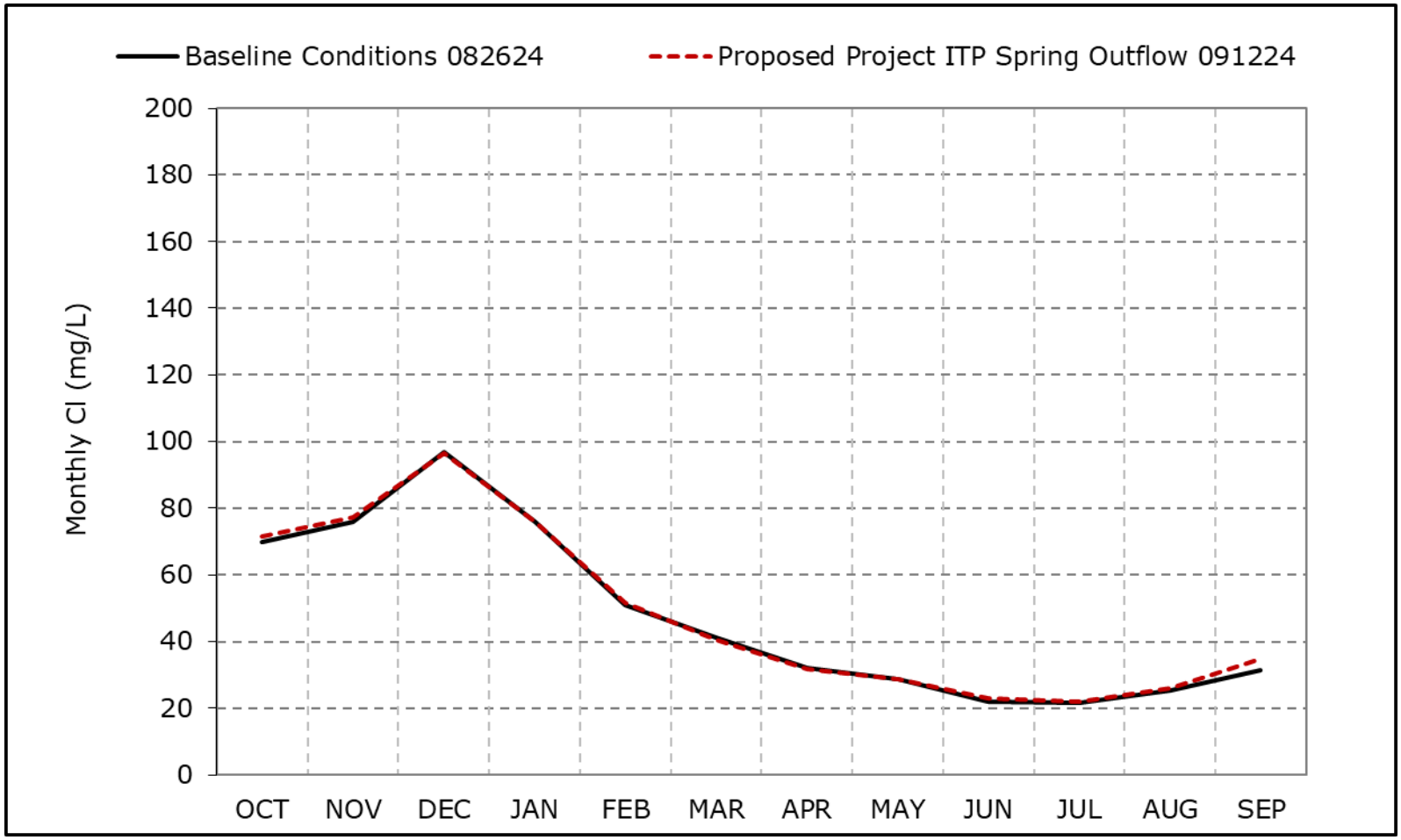
* These results are displayed with water year - year type sorting.

Figure 4L-8-11a. Banks Pumping Plant South Delta Exports Chloride, Long-Term Average Cl



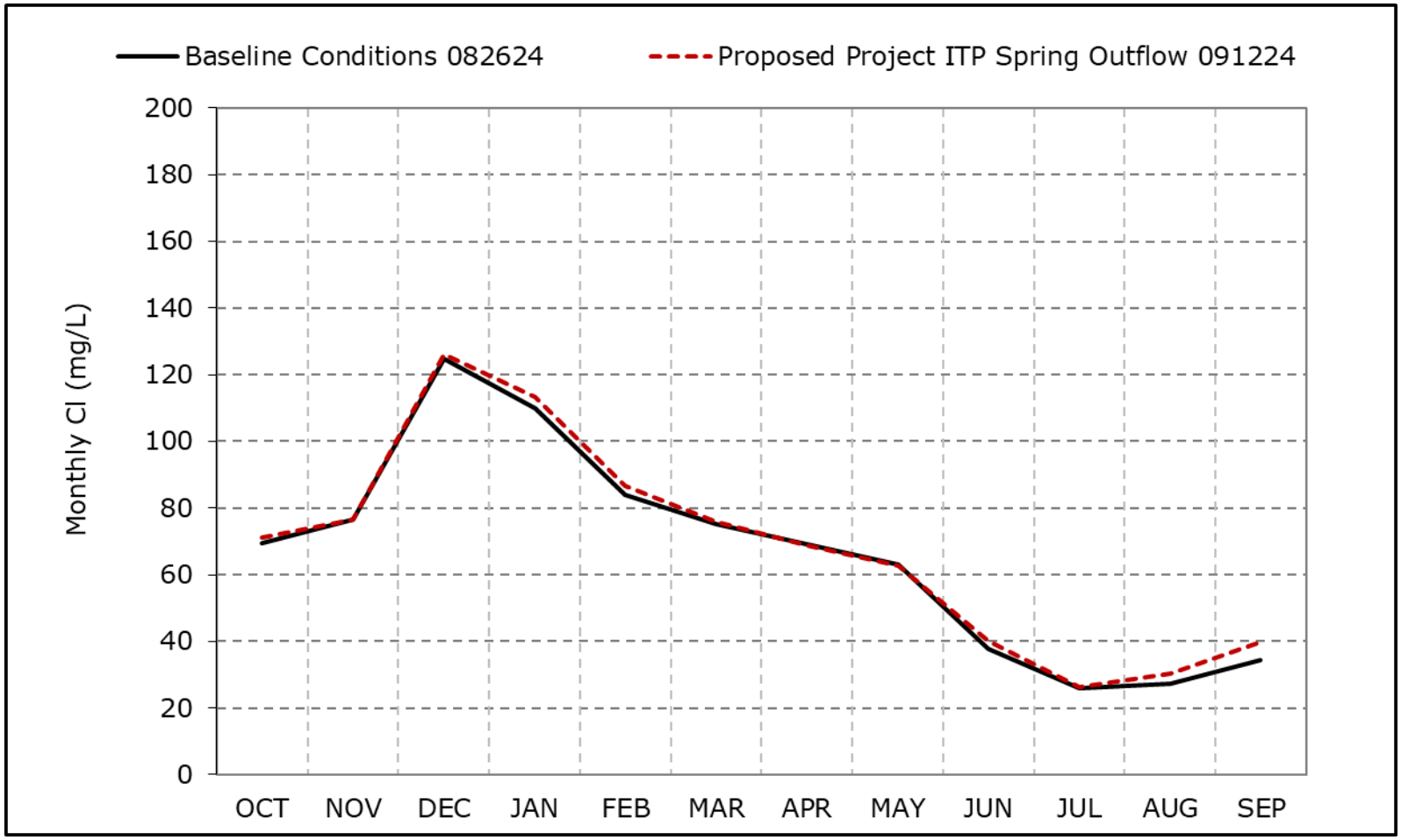
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-11b. Banks Pumping Plant South Delta Exports Chloride, Wet Year Average Cl



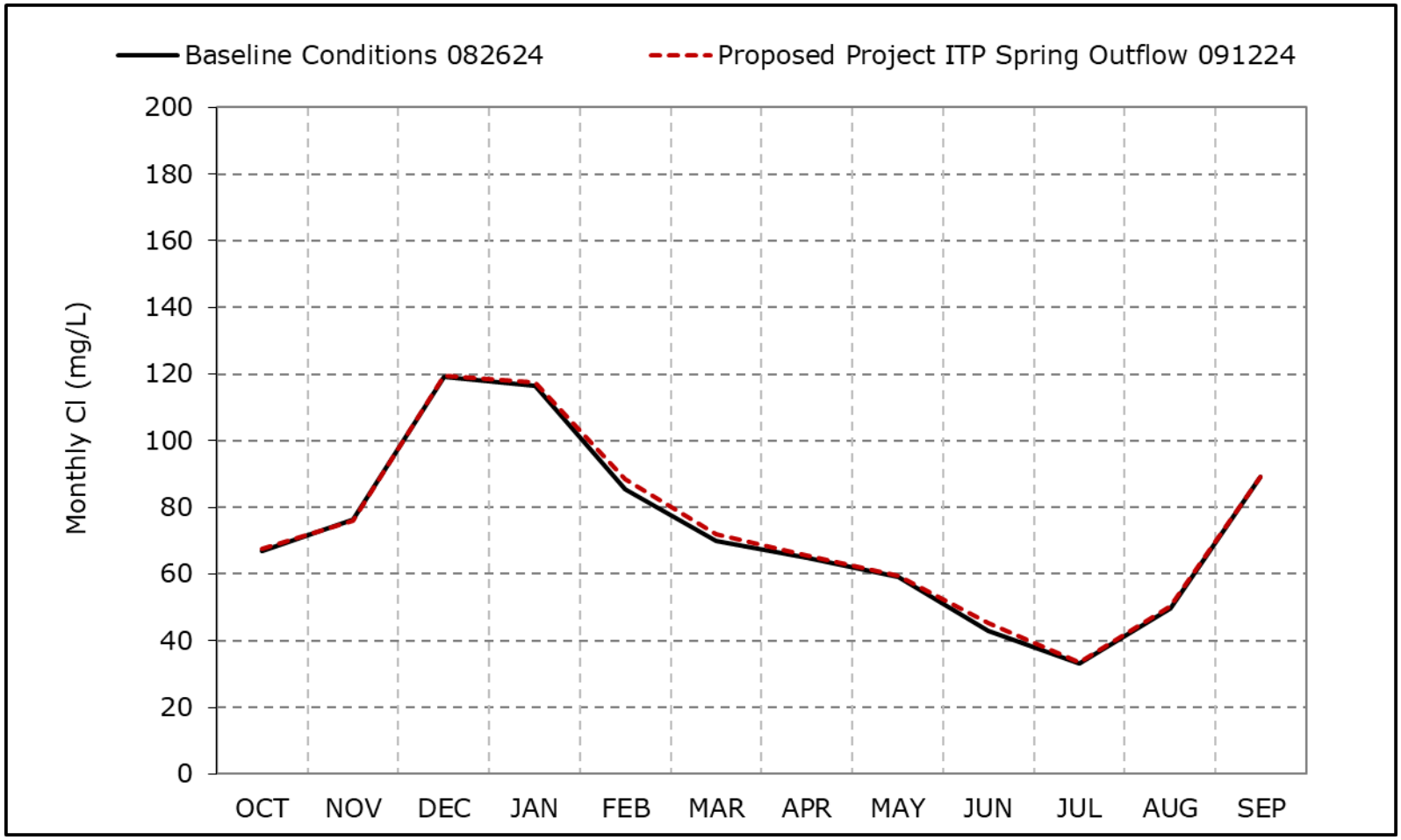
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-11c. Banks Pumping Plant South Delta Exports Chloride, Above Normal Year Average Cl



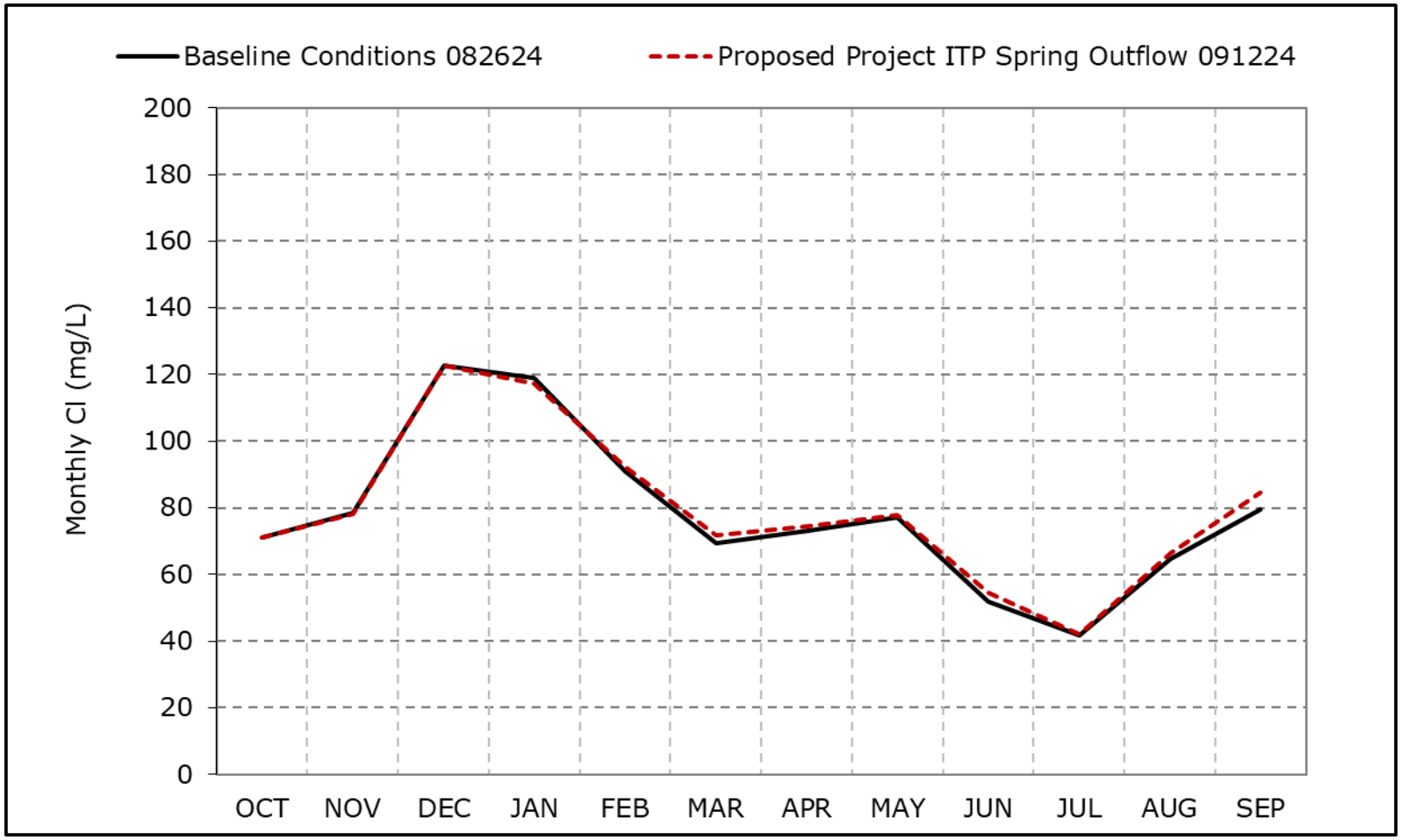
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-11d. Banks Pumping Plant South Delta Exports Chloride, Below Normal Year Average Cl



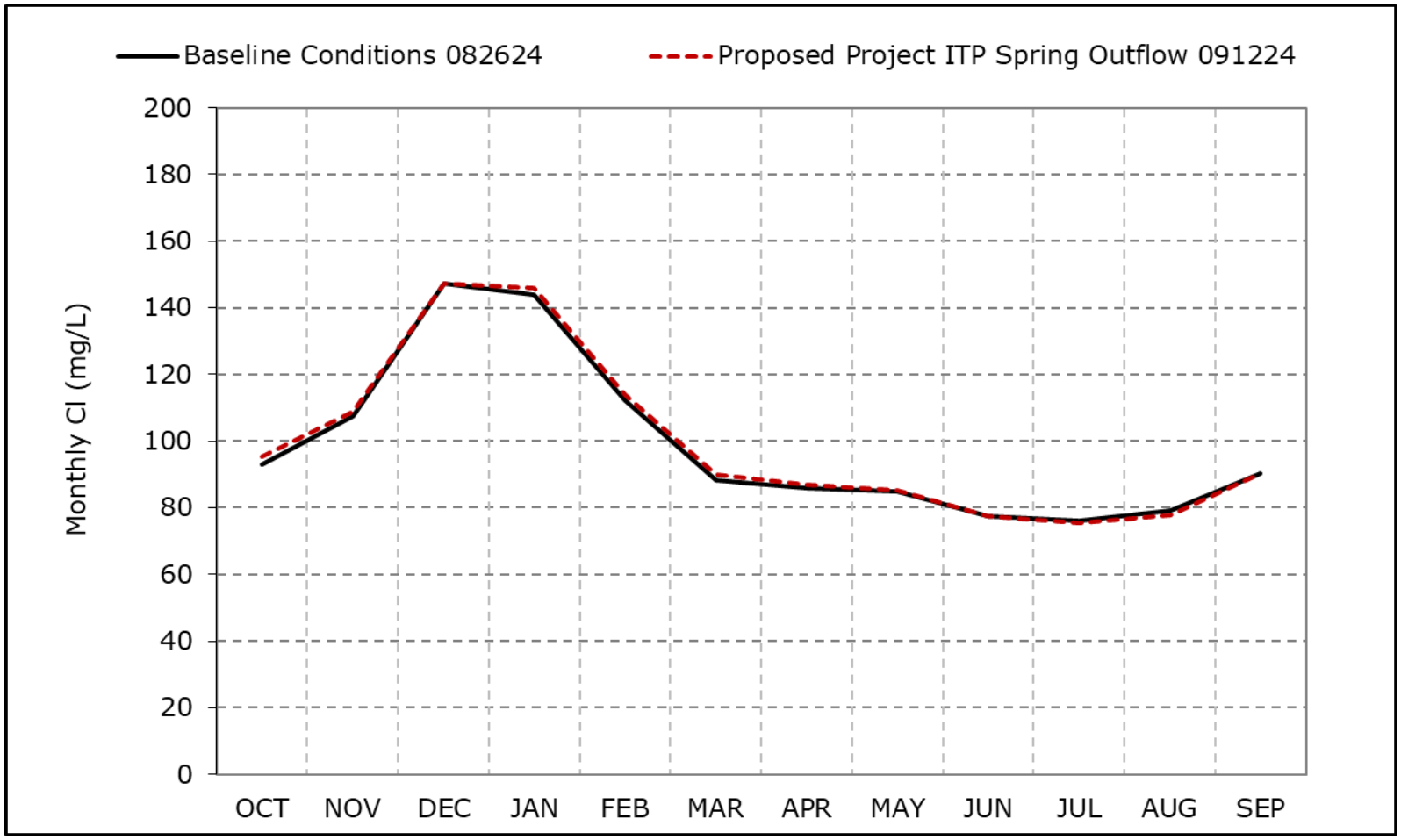
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-11e. Banks Pumping Plant South Delta Exports Chloride, Dry Year Average Cl



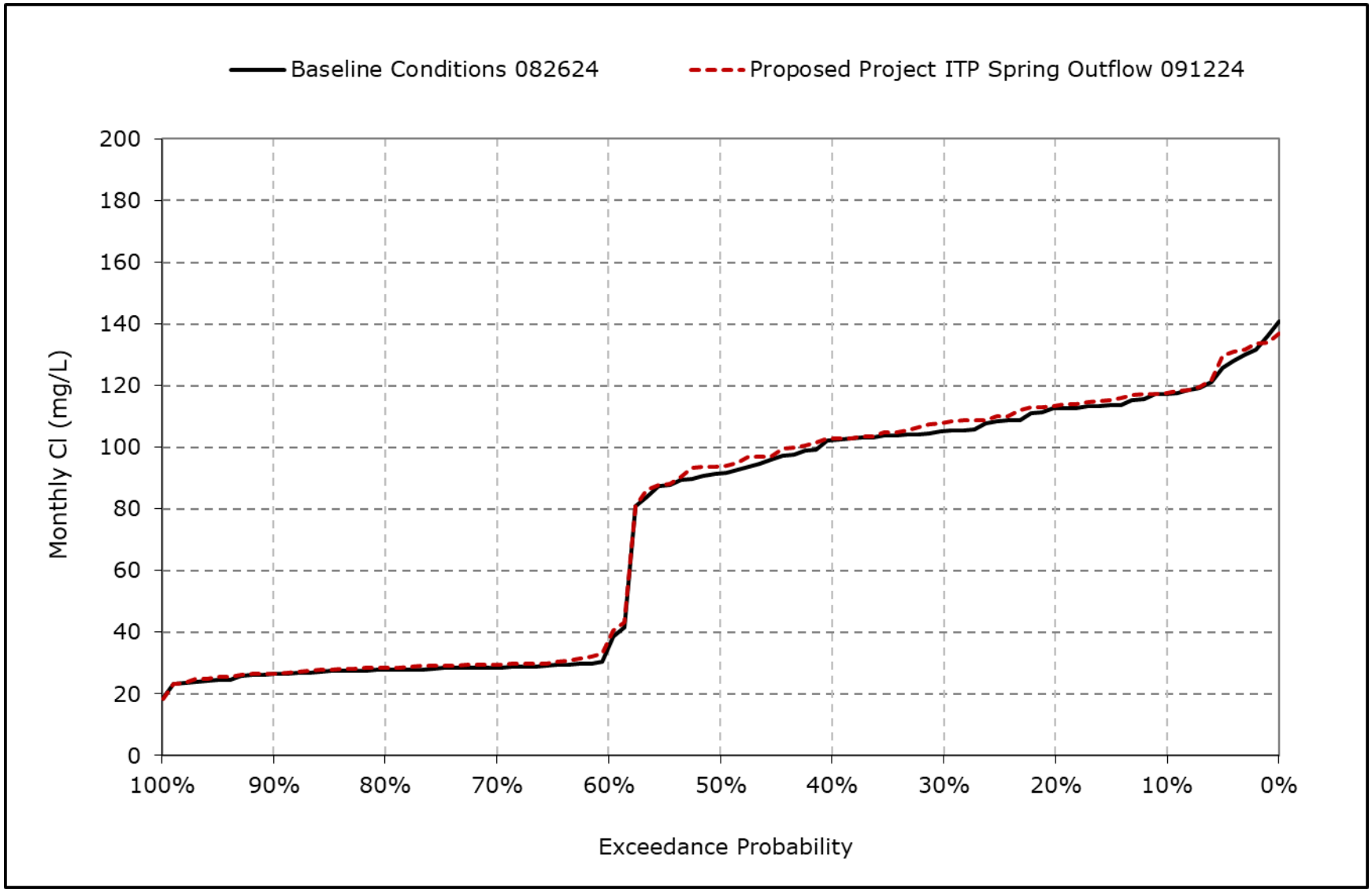
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-11f. Banks Pumping Plant South Delta Exports Chloride, Critical Year Average Cl



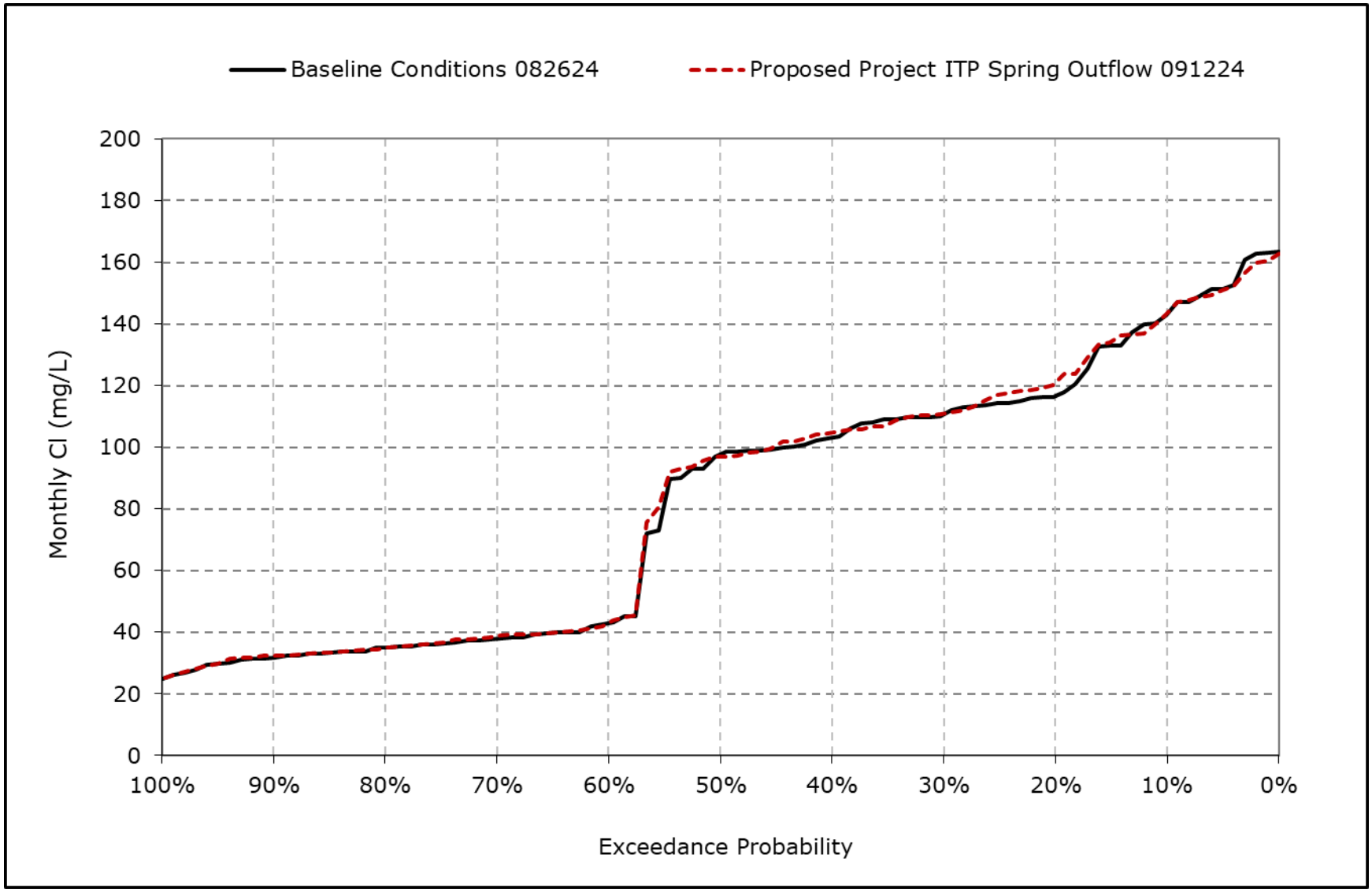
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-11g. Banks Pumping Plant South Delta Exports Chloride, October Cl



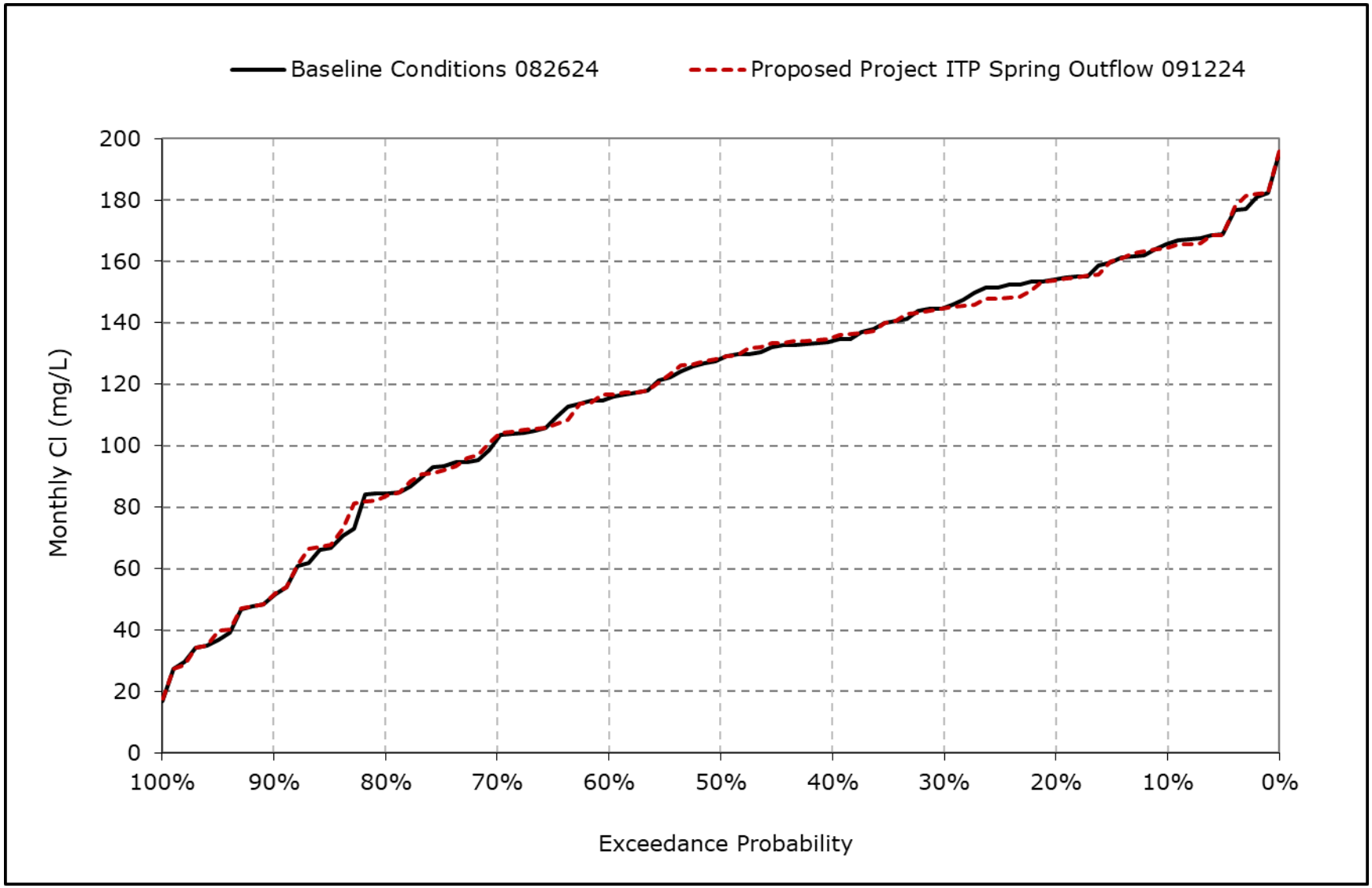
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-11h. Banks Pumping Plant South Delta Exports Chloride, November Cl



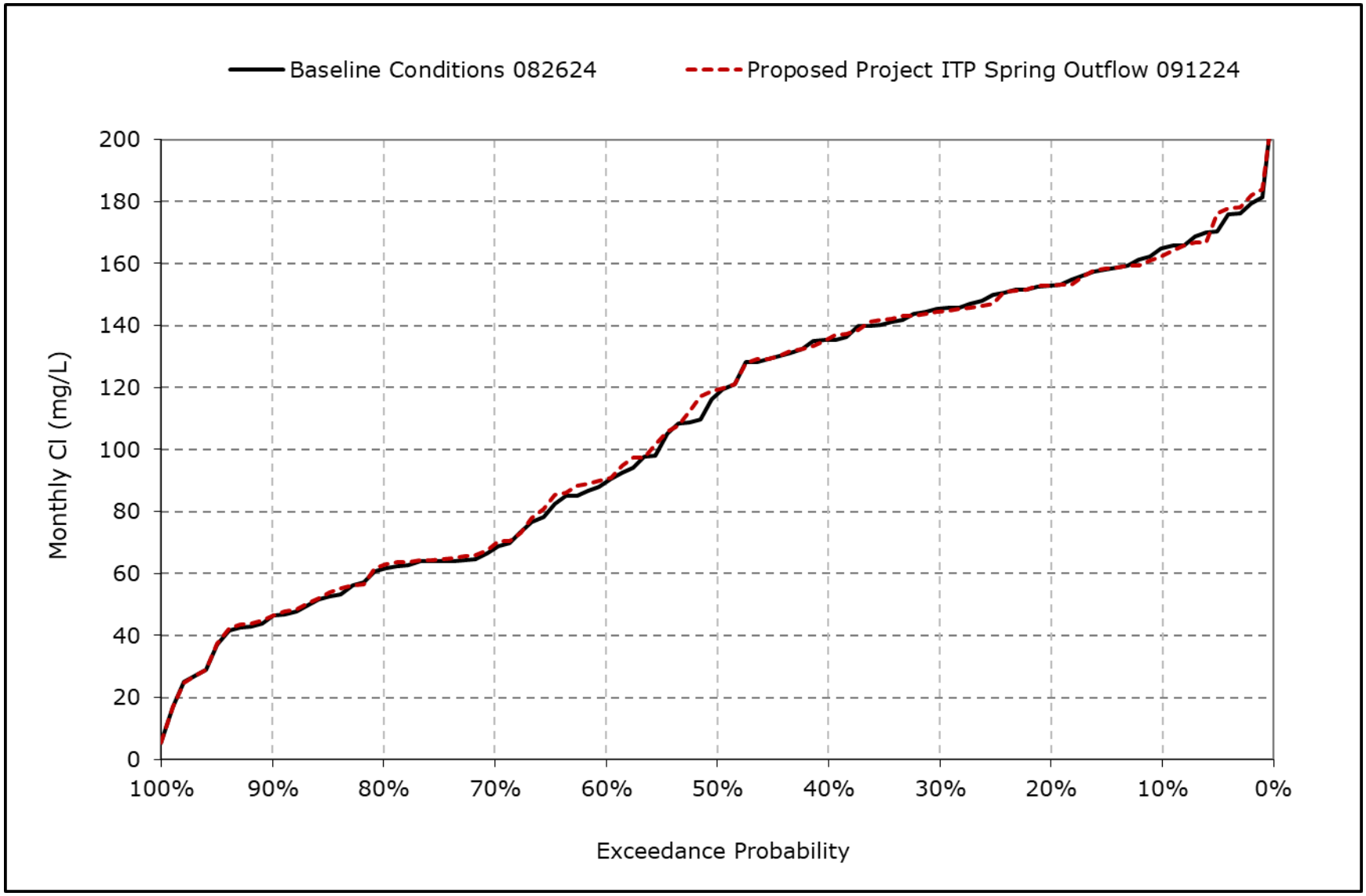
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-11i. Banks Pumping Plant South Delta Exports Chloride, December Cl



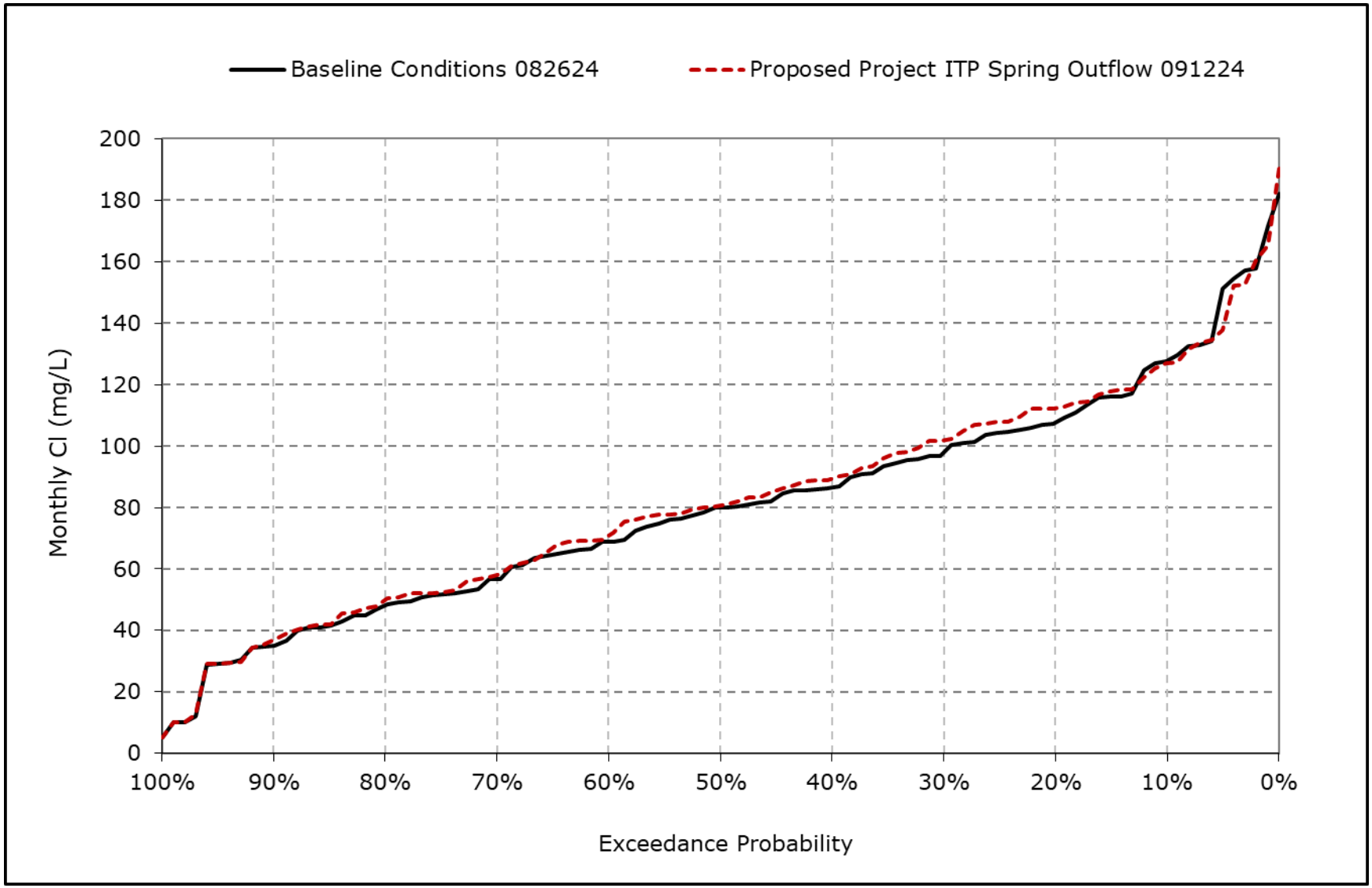
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-11j. Banks Pumping Plant South Delta Exports Chloride, January Cl



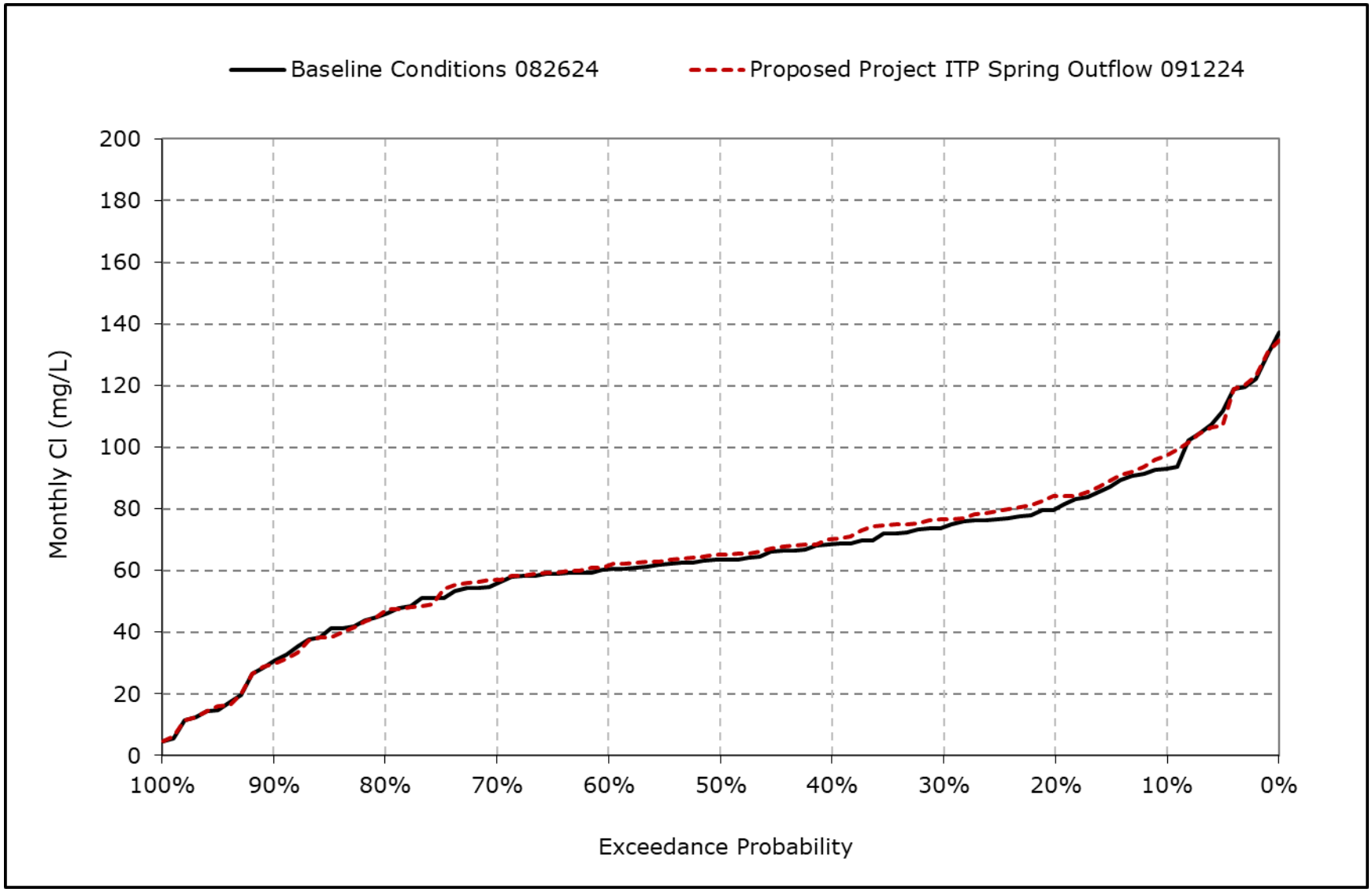
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-11k. Banks Pumping Plant South Delta Exports Chloride, February Cl



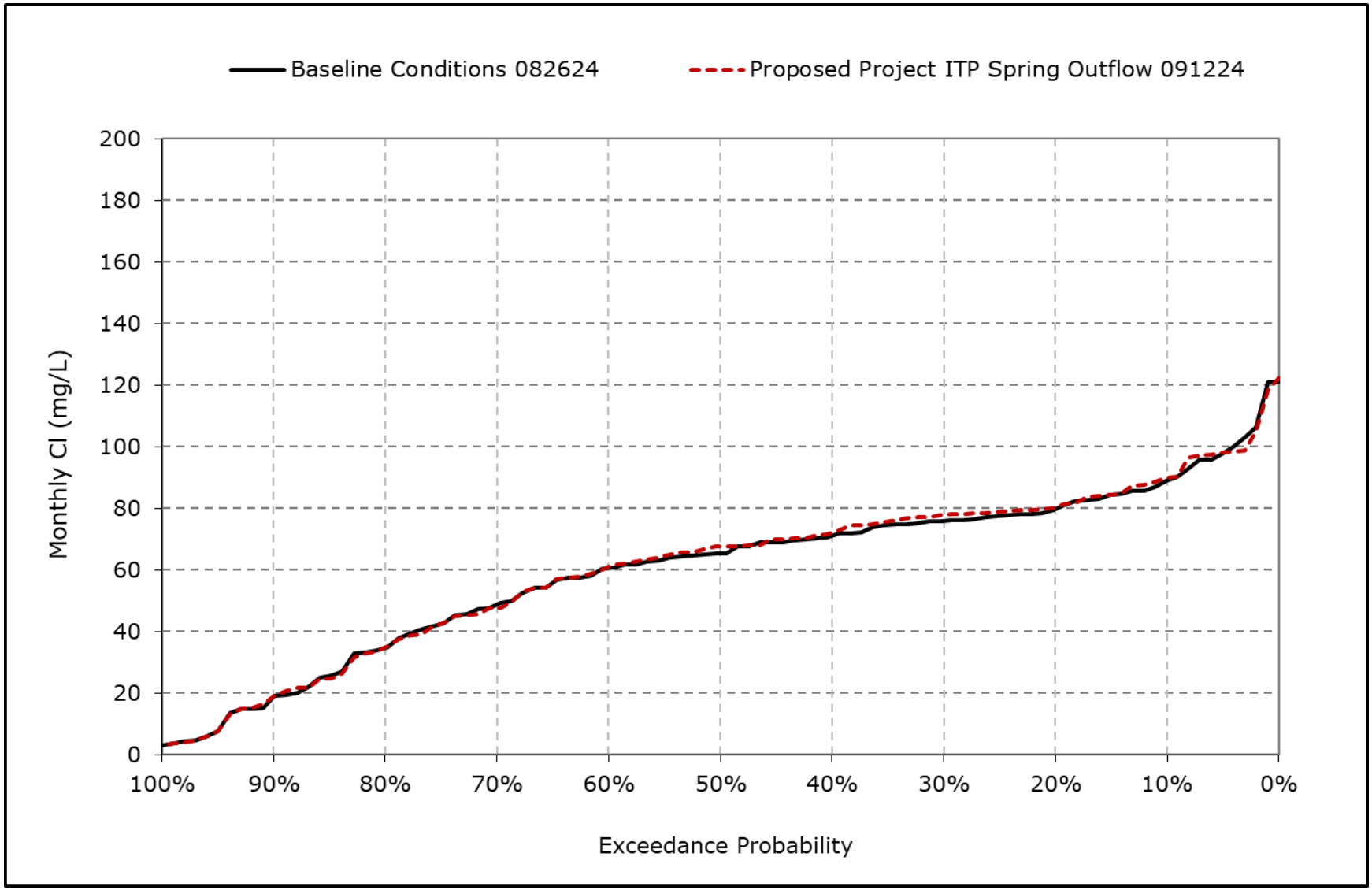
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-11l. Banks Pumping Plant South Delta Exports Chloride, March Cl



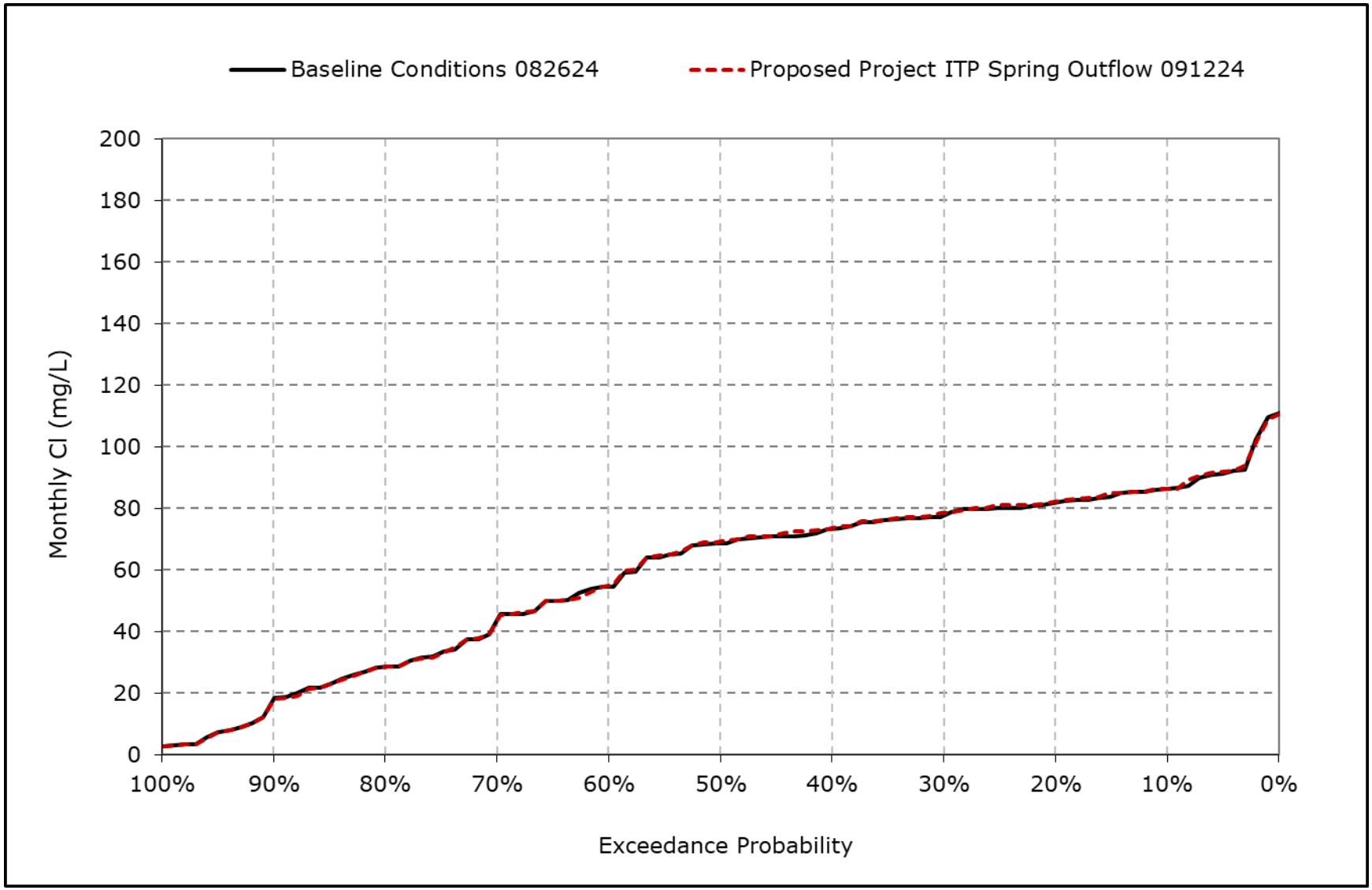
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-11m. Banks Pumping Plant South Delta Exports Chloride, April Cl



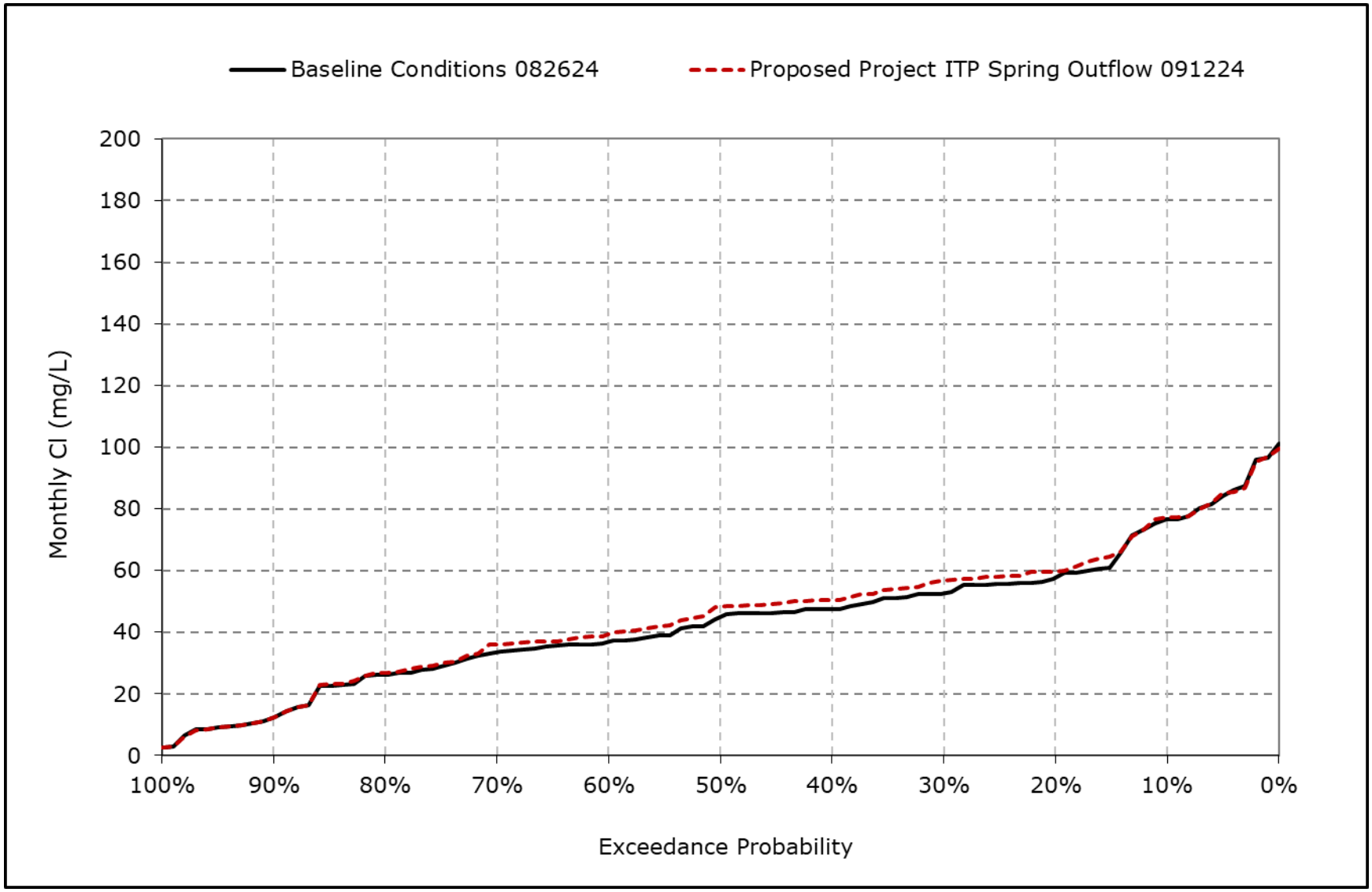
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-11n. Banks Pumping Plant South Delta Exports Chloride, May Cl



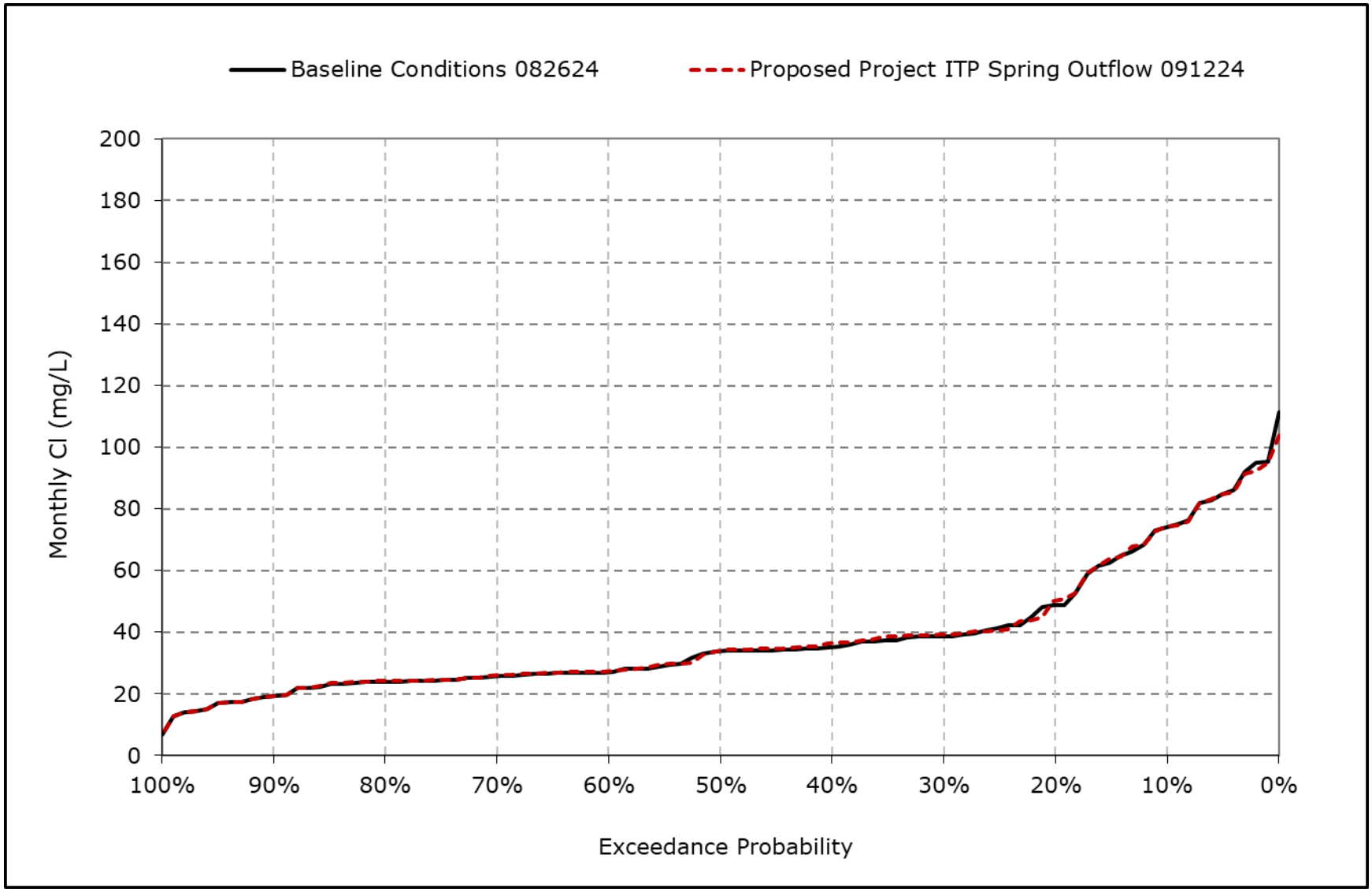
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-11o. Banks Pumping Plant South Delta Exports Chloride, June Cl



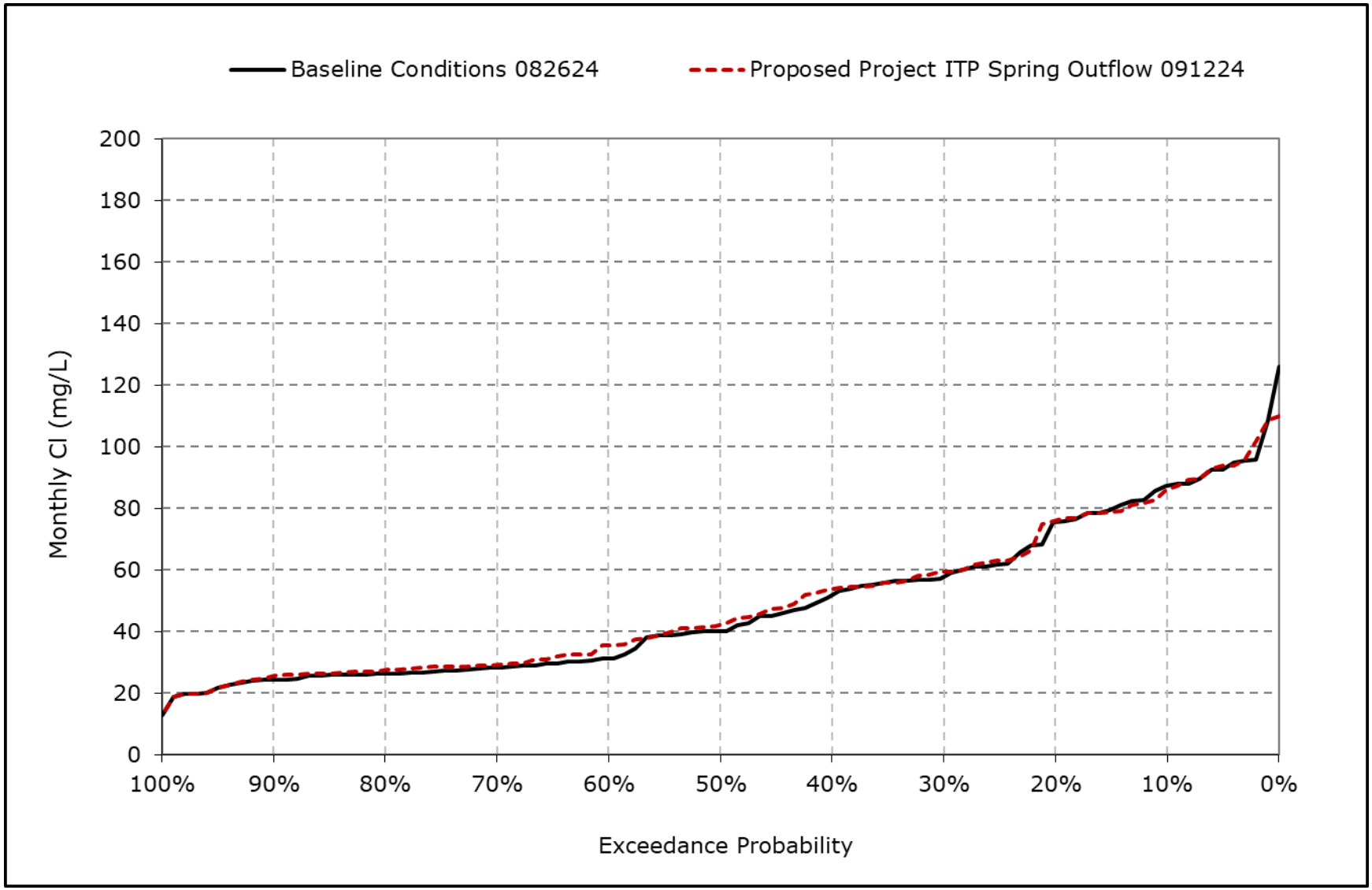
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-11p. Banks Pumping Plant South Delta Exports Chloride, July Cl



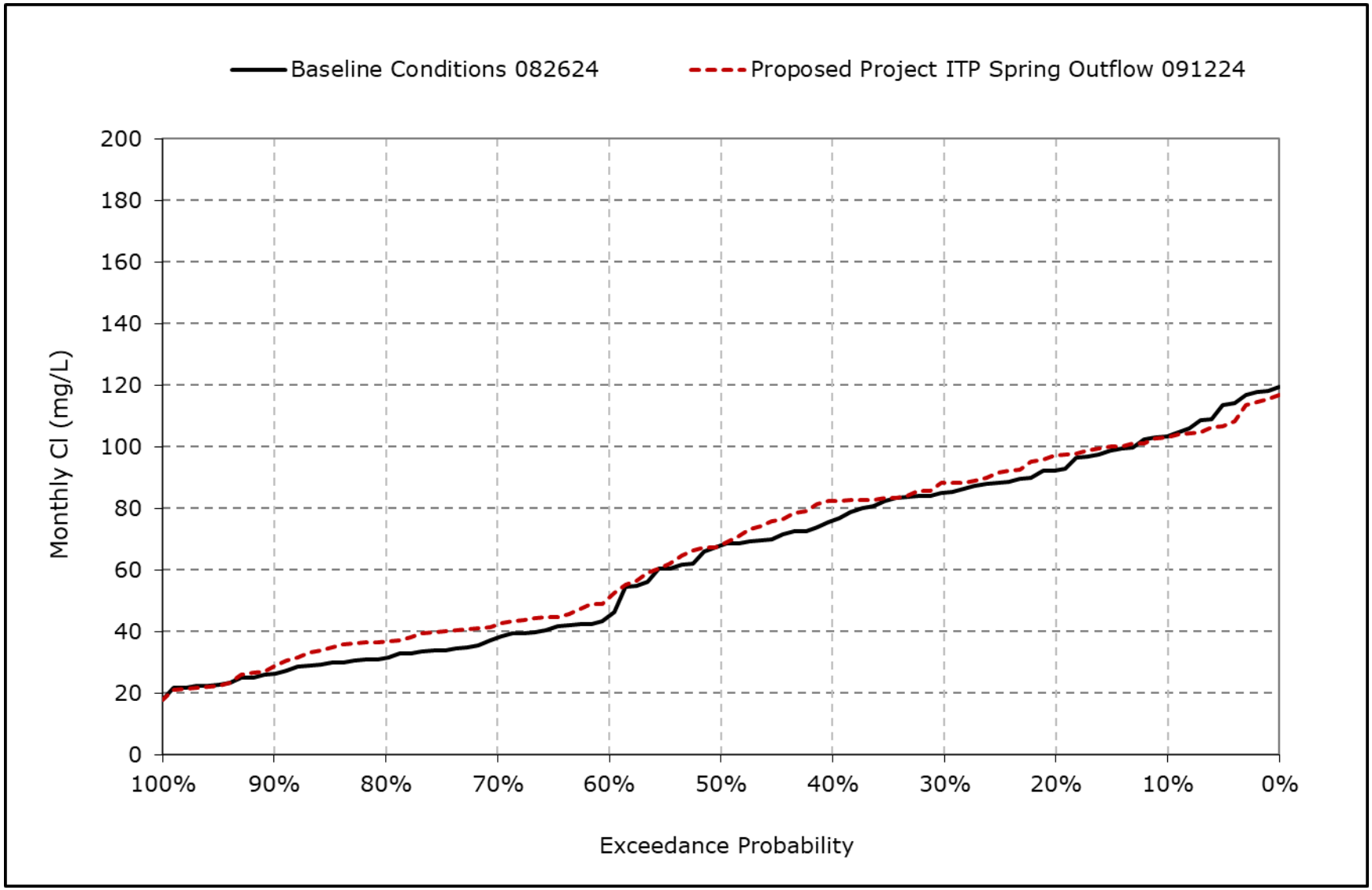
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-11q. Banks Pumping Plant South Delta Exports Chloride, August Cl



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

Figure 4L-8-11r. Banks Pumping Plant South Delta Exports Chloride, September Cl



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

Table 4L-8-12-1a. Jones Pumping Plant South Delta Exports Chloride, Baseline Conditions 082624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	127	149	161	165	139	134	105	83	75	72	88	107
20% Exceedance	117	136	156	155	127	117	101	77	56	57	77	99
30% Exceedance	109	121	152	149	118	110	98	74	54	47	65	91
40% Exceedance	106	114	145	141	109	107	94	70	51	45	59	87
50% Exceedance	100	105	137	132	100	98	84	60	47	42	49	76
60% Exceedance	57	67	129	111	95	89	60	43	44	39	44	52
70% Exceedance	47	62	114	100	81	61	40	29	41	33	40	46
80% Exceedance	45	58	96	82	62	43	26	25	29	30	35	43
90% Exceedance	40	54	73	59	32	25	13	10	7	24	29	33
Full Simulation Period Average[a]	84	98	127	119	96	86	68	52	45	44	55	72
Wet Water Years (32%)	79	91	109	88	58	43	27	23	23	27	33	39
Above Normal Years (9%)	85	99	138	130	112	95	63	47	42	37	38	44
Below Normal Years (20%)	78	94	126	126	105	93	71	51	47	42	58	93
Dry Water Years (21%)	81	92	130	129	111	107	98	74	52	49	71	86
Critical Water Years (18%)	104	121	149	150	127	125	103	81	76	75	80	101

Table 4L-8-12-1b. Jones Pumping Plant South Delta Exports Chloride, Proposed Project ITP Spring Outflow 091224, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	126	150	162	165	140	135	105	83	76	72	87	107
20% Exceedance	117	136	154	156	131	121	101	77	59	58	77	101
30% Exceedance	112	122	151	149	123	112	98	74	56	48	66	95
40% Exceedance	106	114	144	140	112	108	94	70	53	45	61	89
50% Exceedance	102	105	137	133	103	103	84	60	50	42	51	80
60% Exceedance	58	67	128	113	97	89	59	43	47	37	45	59
70% Exceedance	48	62	114	102	84	61	40	29	43	34	41	51
80% Exceedance	46	58	98	82	62	43	26	25	30	30	37	47
90% Exceedance	41	54	72	60	32	25	13	10	7	24	30	35
Full Simulation Period Average[a]	85	98	127	120	98	87	68	52	46	44	56	74
Wet Water Years (32%)	80	92	109	89	59	43	27	23	24	27	34	42
Above Normal Years (9%)	87	99	139	132	115	95	63	47	44	37	41	50
Below Normal Years (20%)	79	93	126	127	107	95	71	51	49	42	58	93
Dry Water Years (21%)	81	92	130	128	115	109	98	74	54	49	74	92
Critical Water Years (18%)	105	122	150	151	129	127	104	81	75	74	79	102

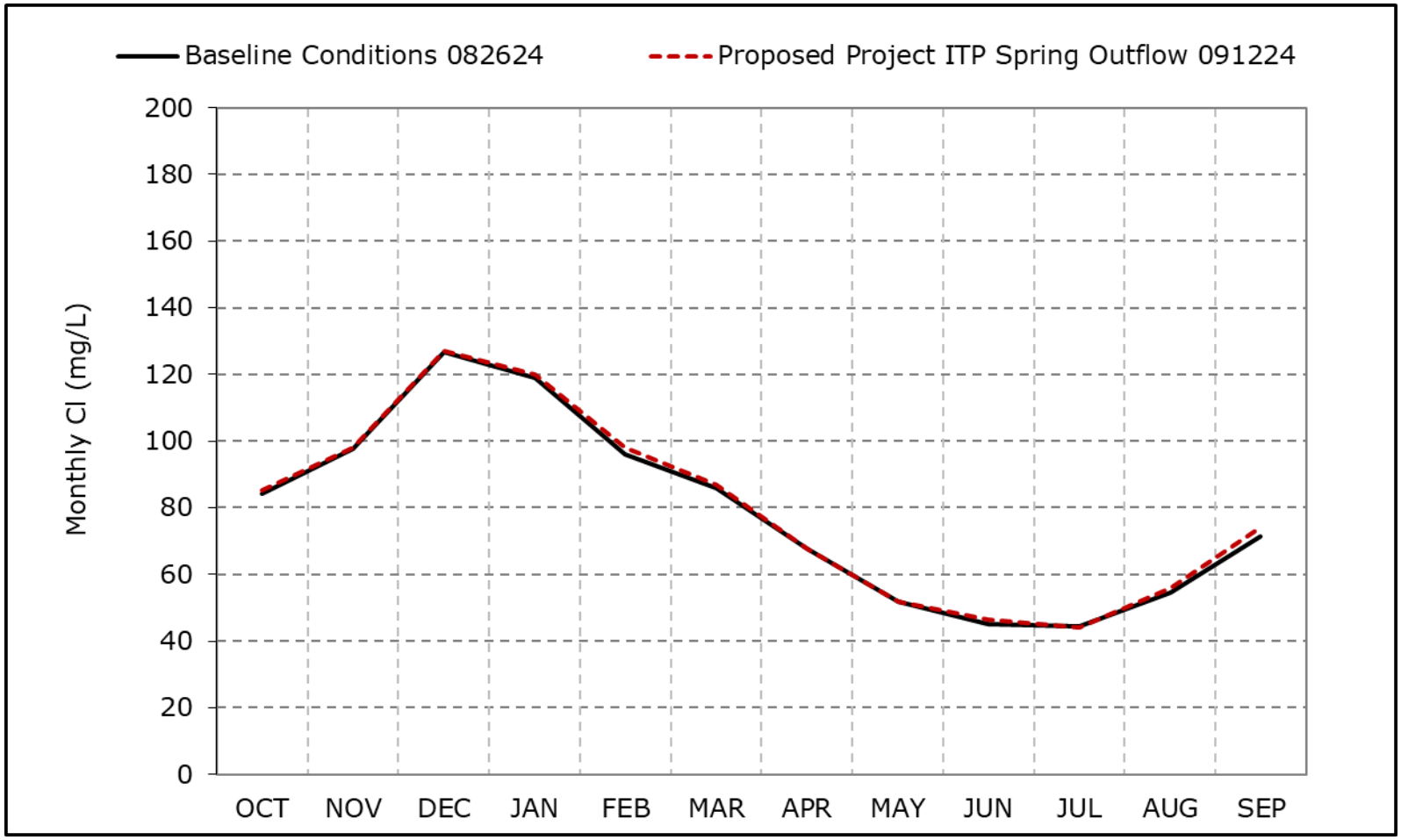
Table 4L-8-12-1c. Jones Pumping Plant South Delta Exports Chloride, Proposed Project ITP Spring Outflow 091224 minus Baseline Conditions 082624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-1	1	1	0	1	0	0	0	1	0	0	-1
20% Exceedance	0	0	-2	2	4	4	0	0	3	1	0	2
30% Exceedance	3	1	-1	0	4	2	0	0	2	0	1	4
40% Exceedance	0	0	-1	-1	3	1	0	0	2	0	2	2
50% Exceedance	2	0	1	1	2	4	0	0	2	0	2	5
60% Exceedance	1	1	-1	2	2	0	0	0	3	-1	1	7
70% Exceedance	1	0	0	2	3	0	0	0	2	0	1	5
80% Exceedance	1	0	3	0	0	0	0	0	1	0	2	4
90% Exceedance	1	1	0	0	0	0	0	0	0	0	0	2
Full Simulation Period Average[a]	1	0	0	1	2	1	0	0	2	0	1	3
Wet Water Years (32%)	1	1	0	0	1	0	0	0	1	0	1	3
Above Normal Years (9%)	1	0	1	3	3	0	0	0	3	0	3	5
Below Normal Years (20%)	1	0	0	1	3	1	0	0	2	0	1	-1
Dry Water Years (21%)	0	0	0	-1	4	2	0	0	2	0	3	6
Critical Water Years (18%)	1	1	0	2	1	2	0	0	0	-1	-1	0

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

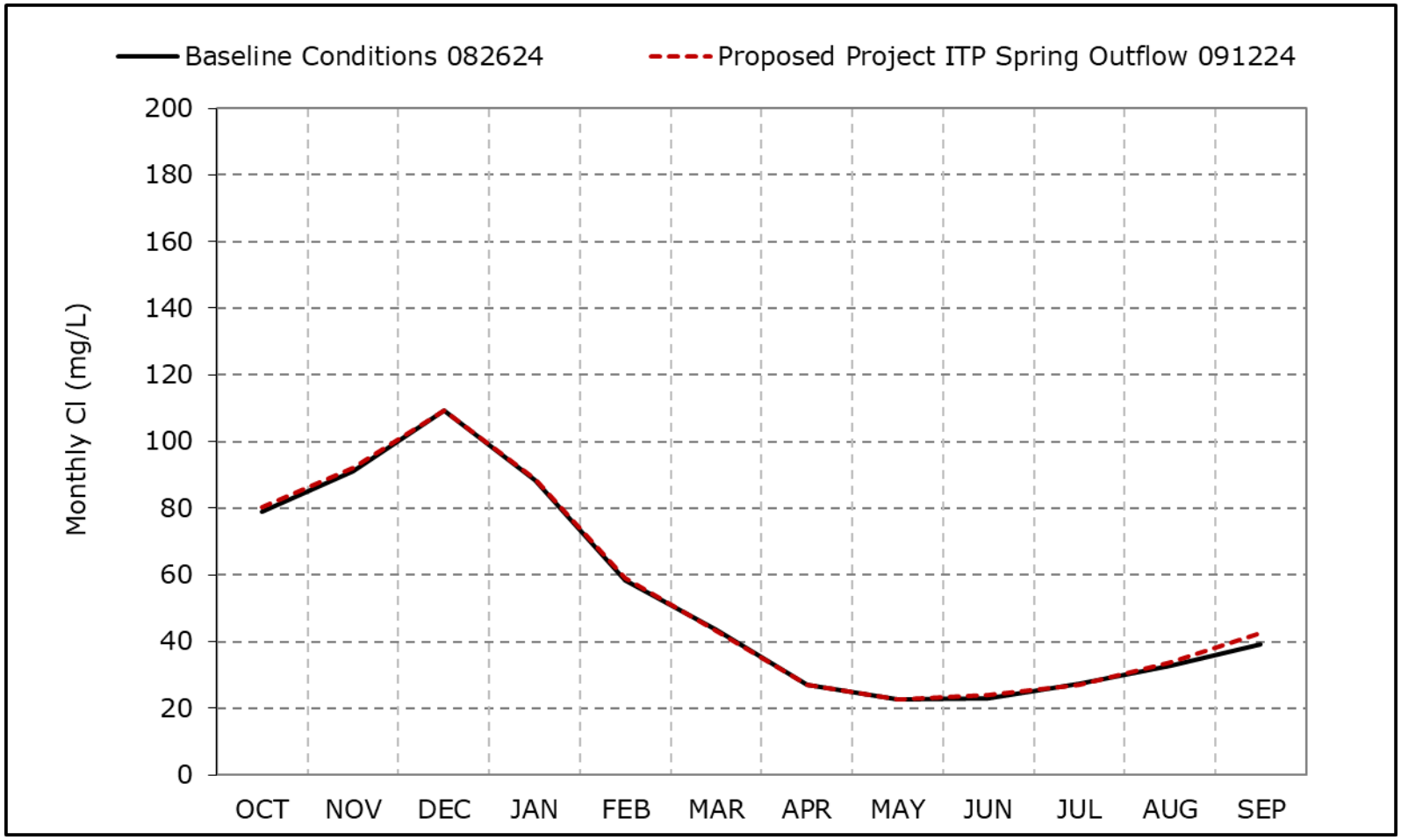
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4L-8-12a. Jones Pumping Plant South Delta Exports Chloride, Long-Term Average Cl



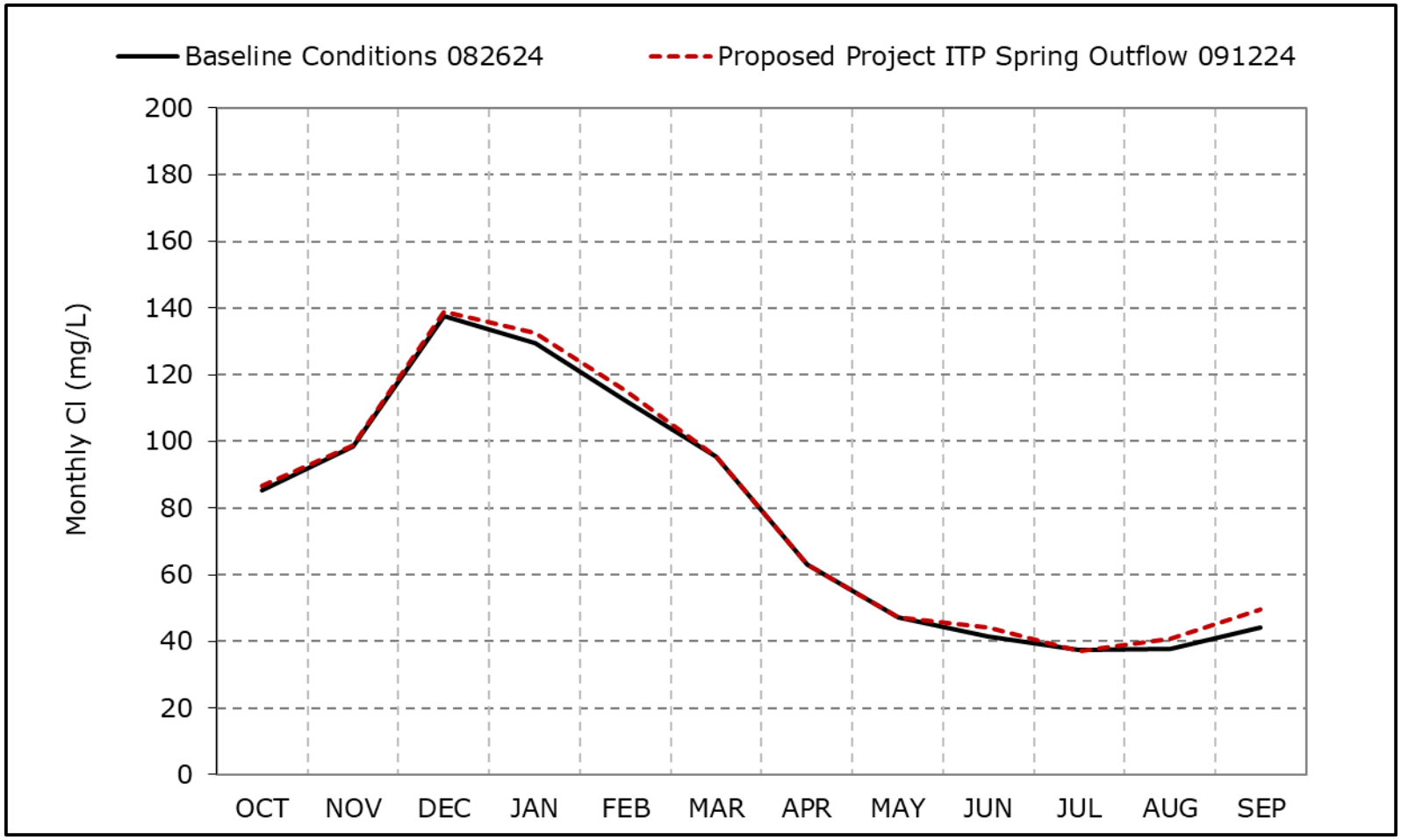
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-12b. Jones Pumping Plant South Delta Exports Chloride, Wet Year Average Cl



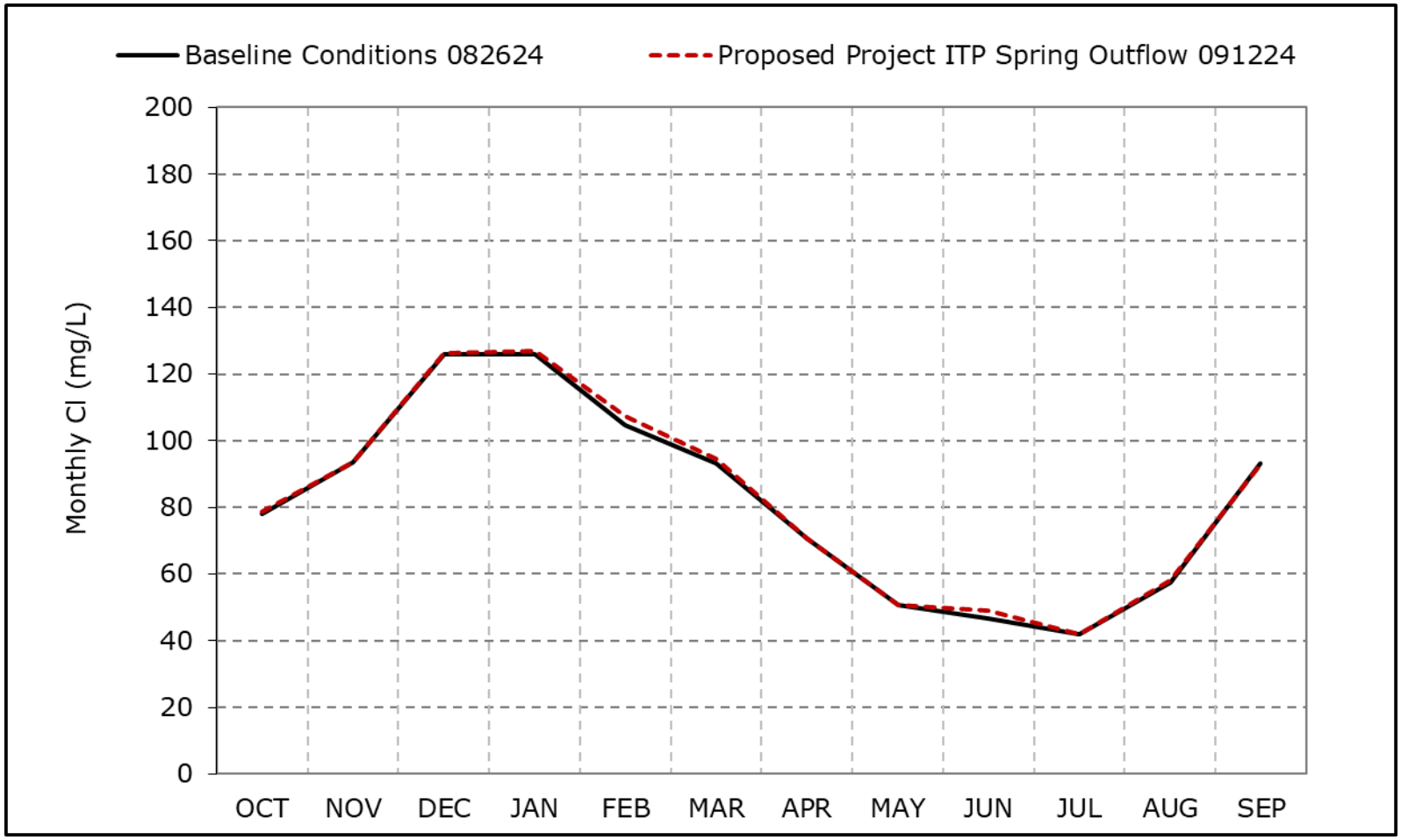
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-12c. Jones Pumping Plant South Delta Exports Chloride, Above Normal Year Average Cl



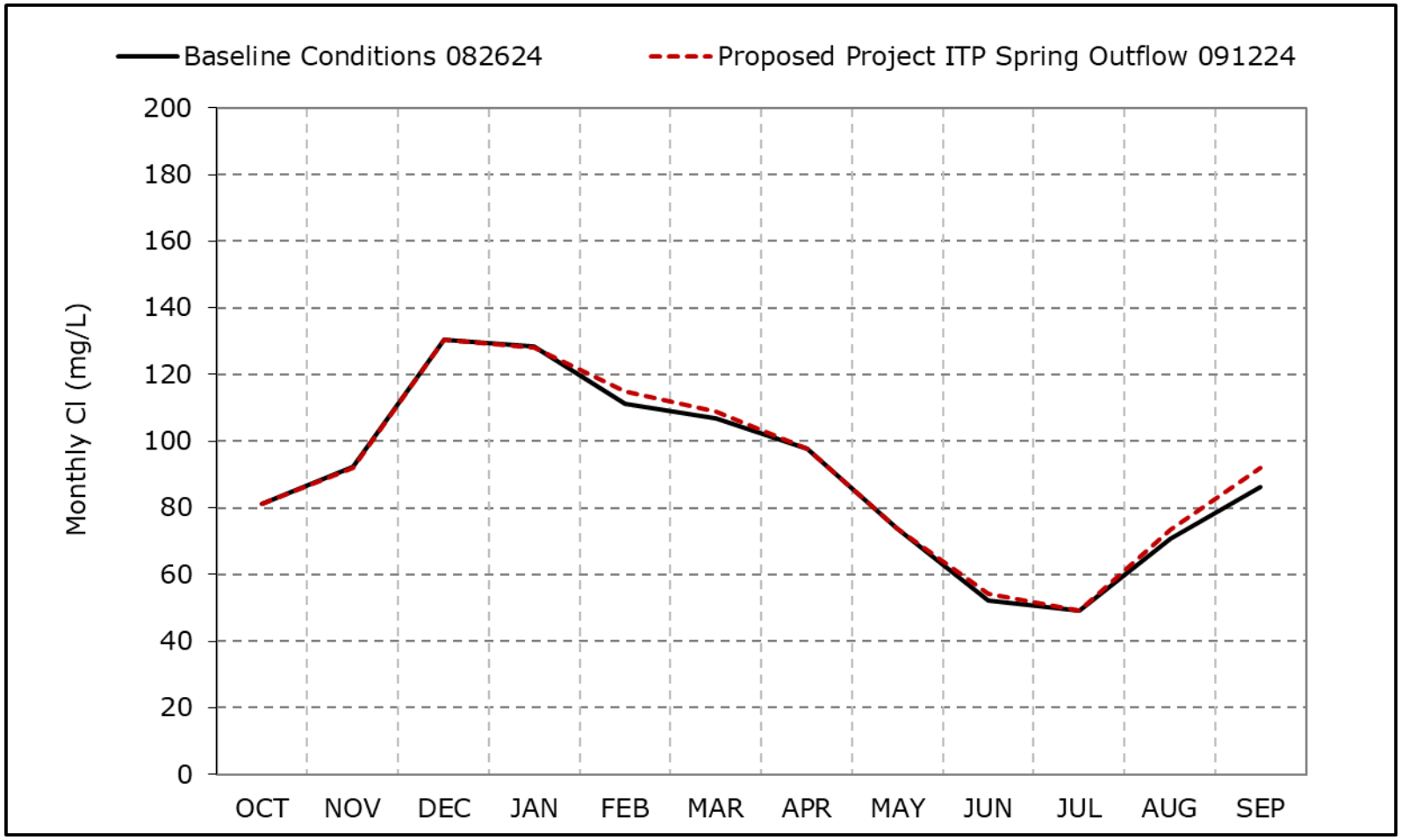
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-12d. Jones Pumping Plant South Delta Exports Chloride, Below Normal Year Average Cl



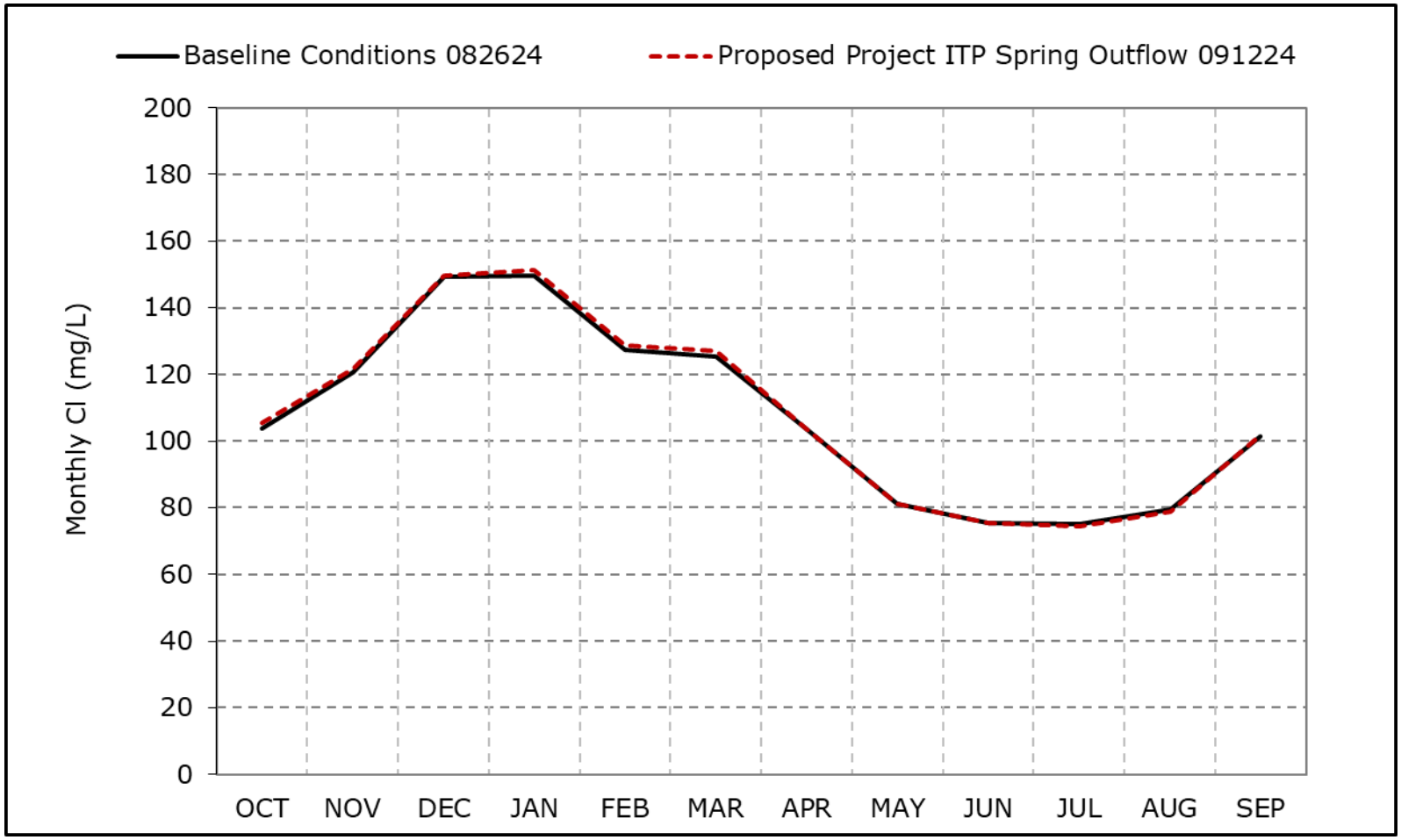
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-12e. Jones Pumping Plant South Delta Exports Chloride, Dry Year Average Cl



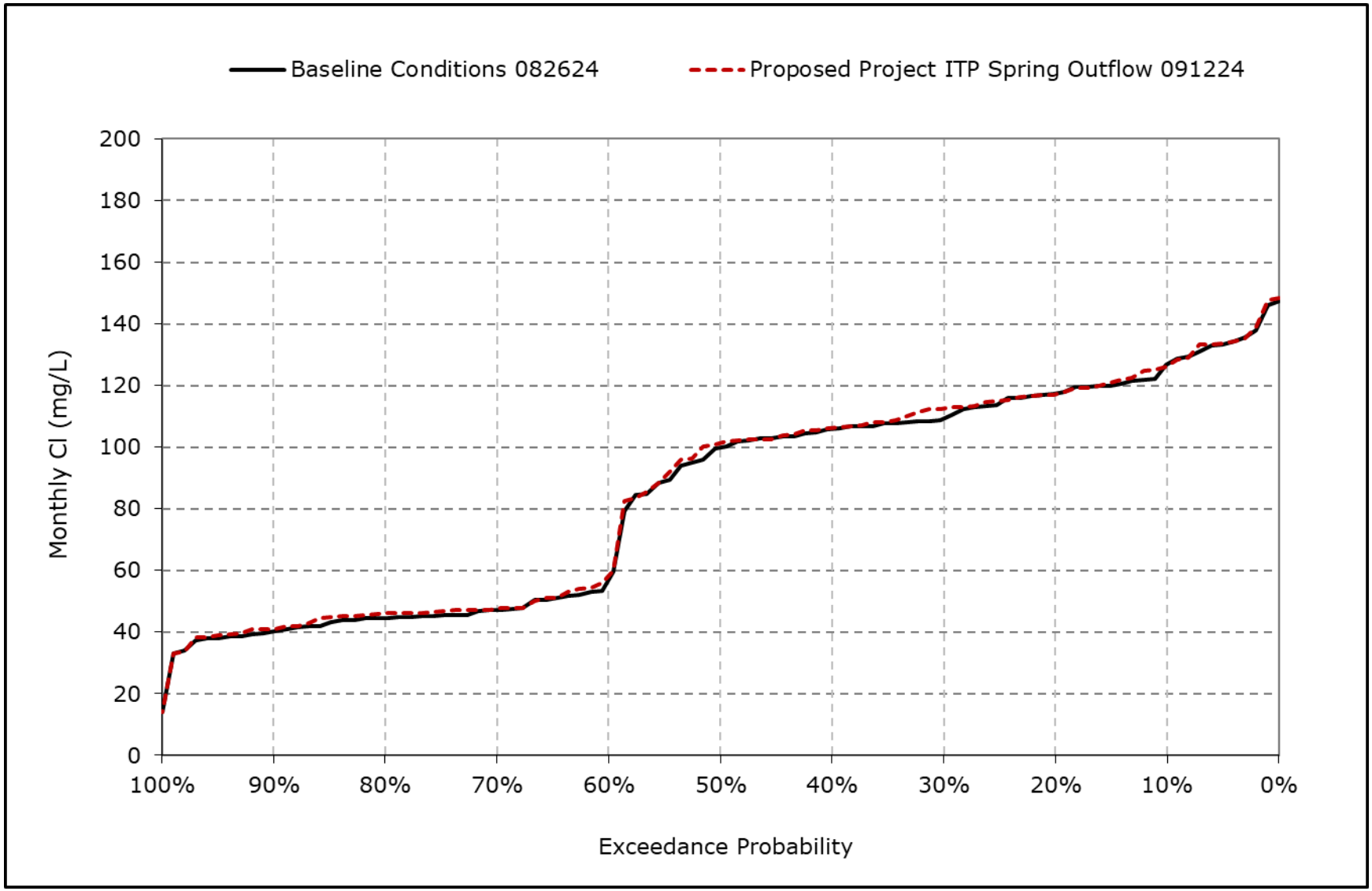
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-12f. Jones Pumping Plant South Delta Exports Chloride, Critical Year Average Cl



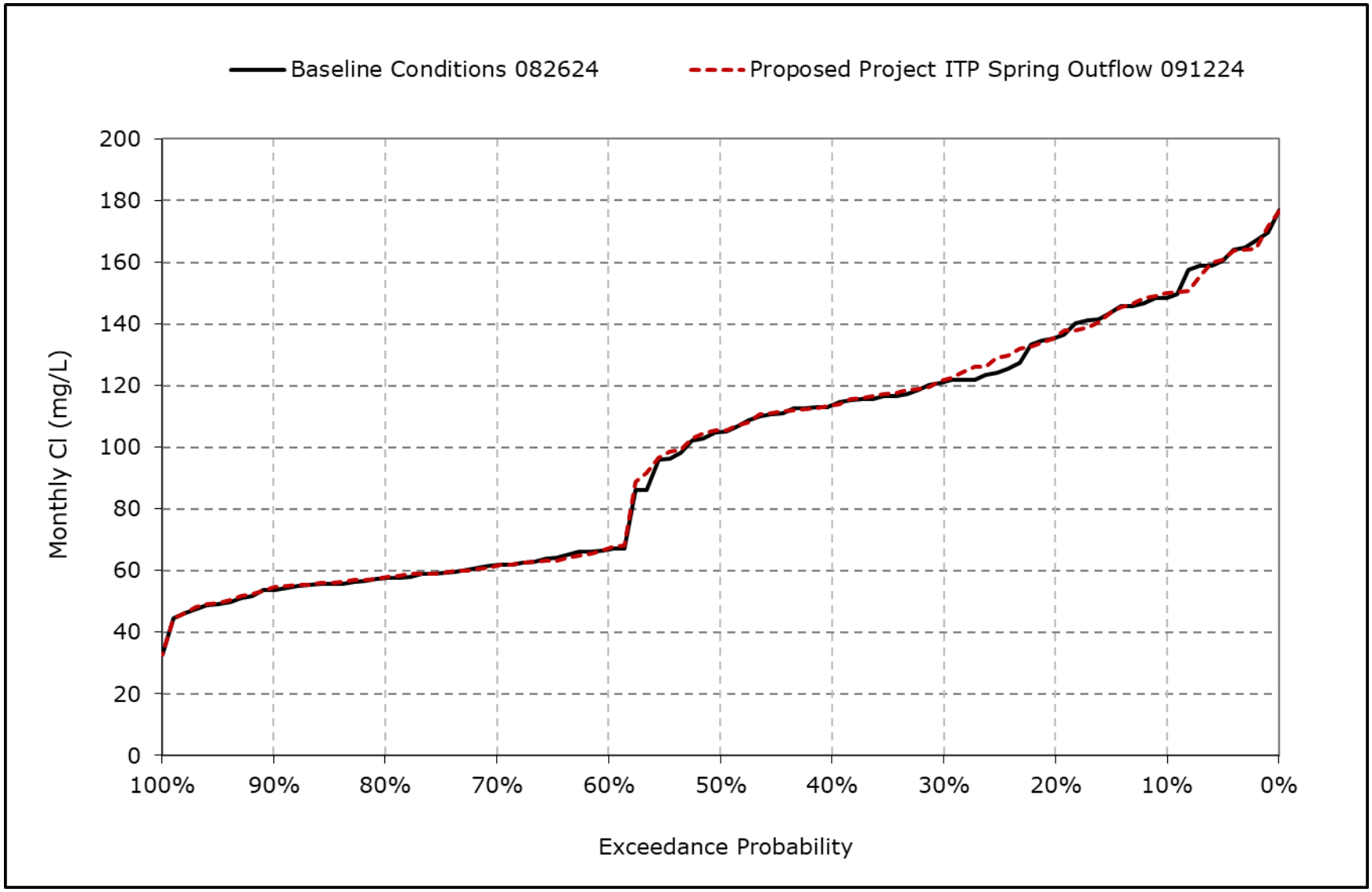
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-12g. Jones Pumping Plant South Delta Exports Chloride, October Cl



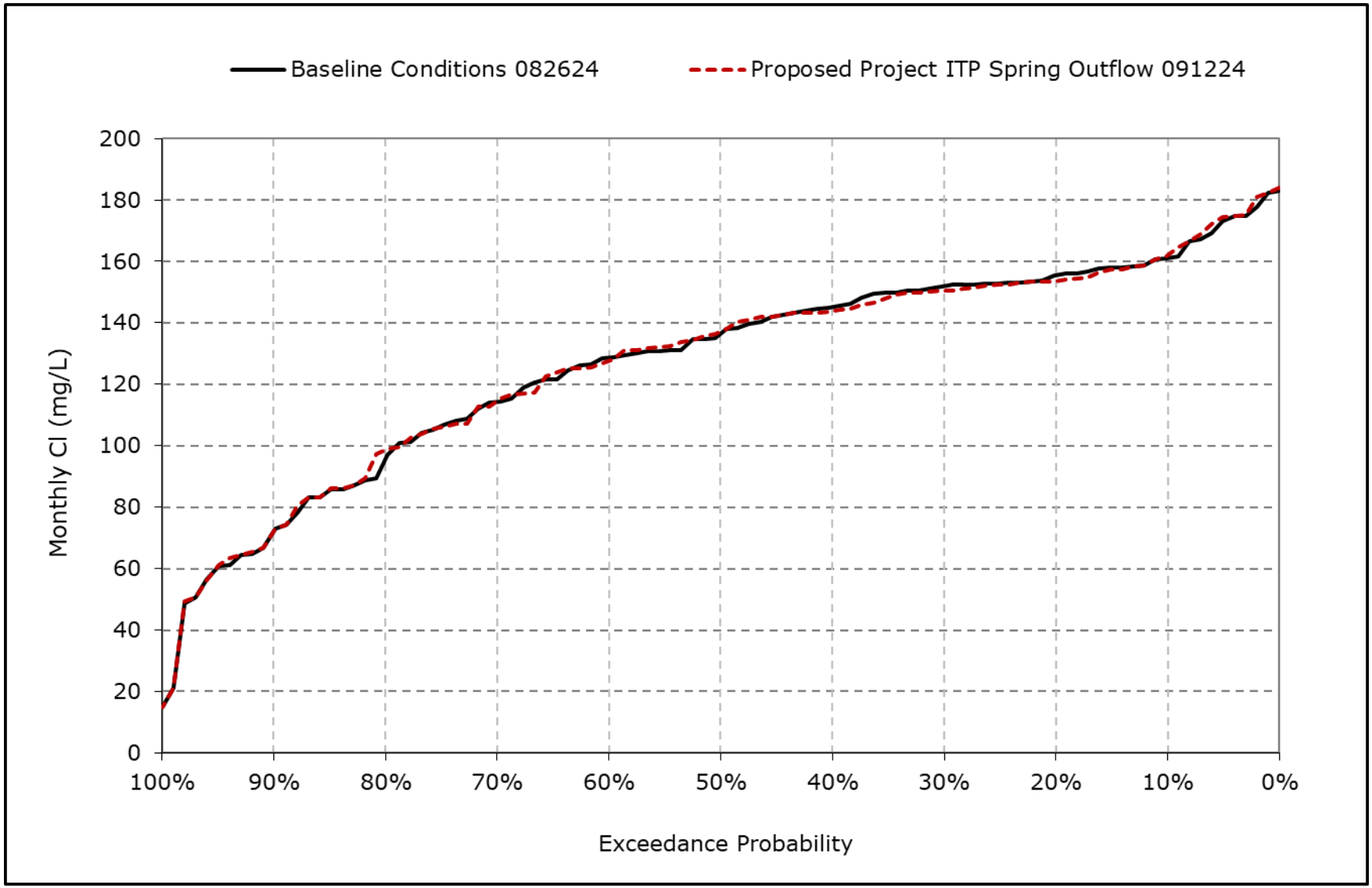
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-12h. Jones Pumping Plant South Delta Exports Chloride, November Cl



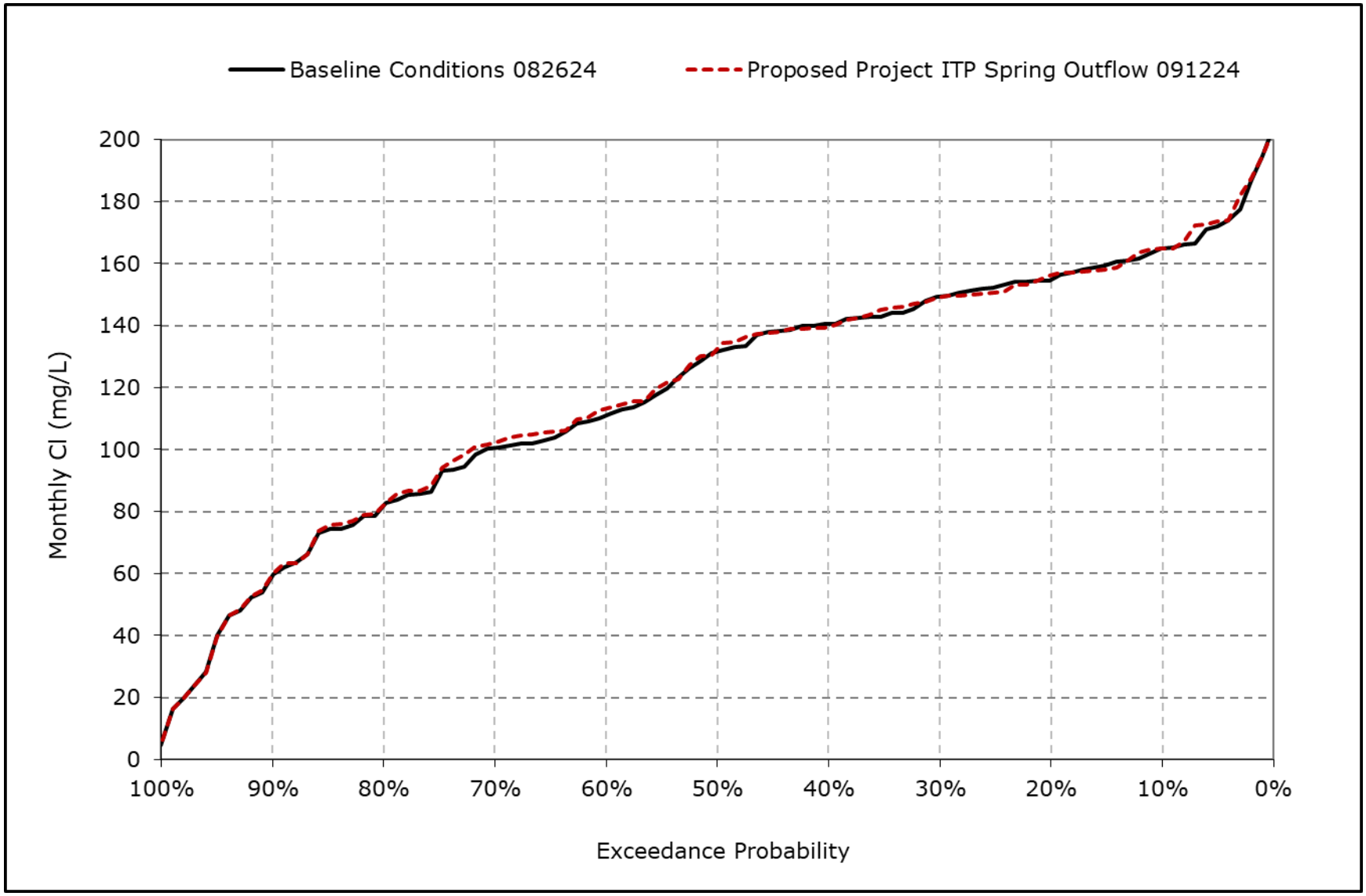
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-12i. Jones Pumping Plant South Delta Exports Chloride, December Cl



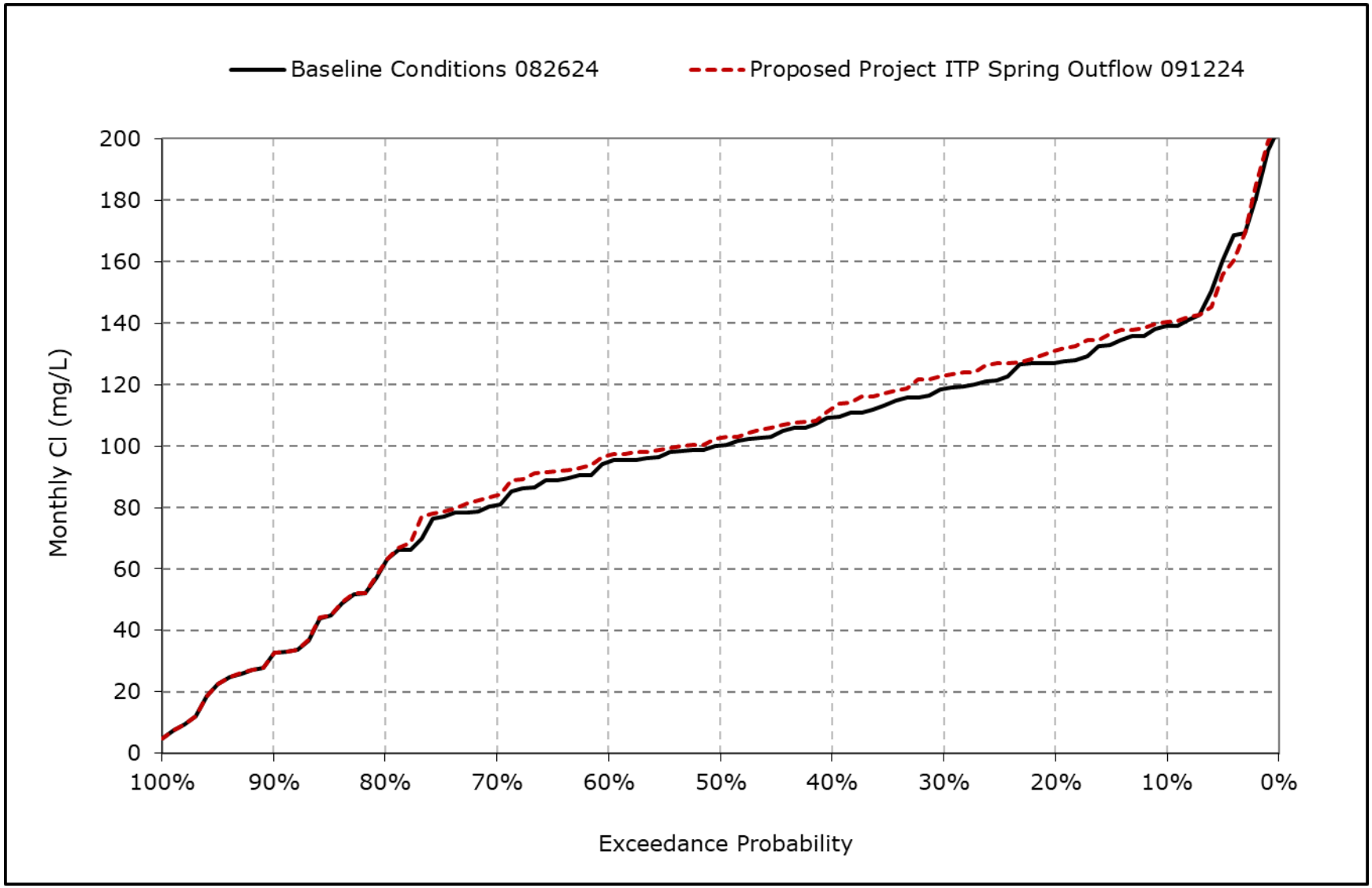
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-12j. Jones Pumping Plant South Delta Exports Chloride, January Cl



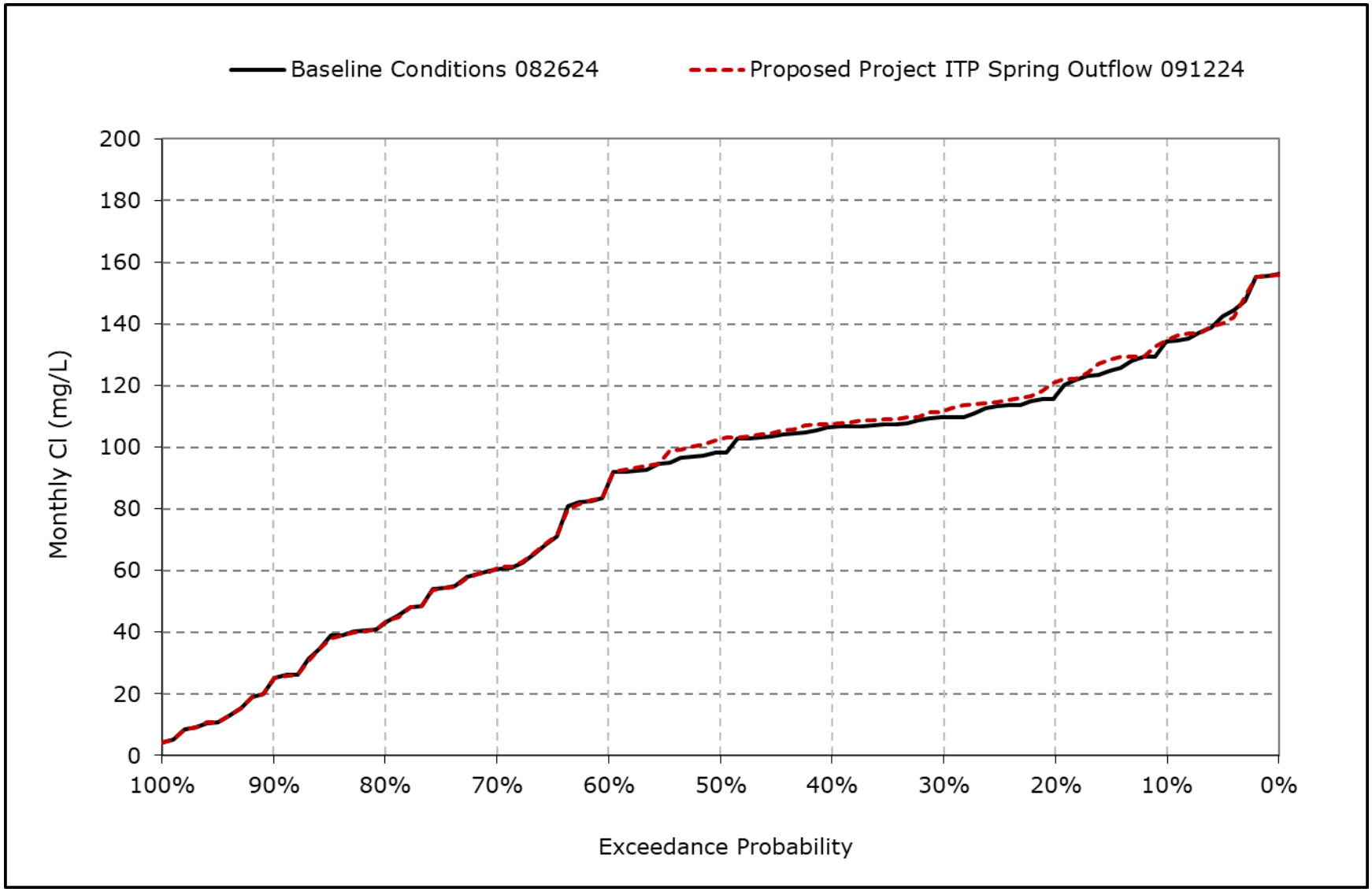
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-12k. Jones Pumping Plant South Delta Exports Chloride, February Cl



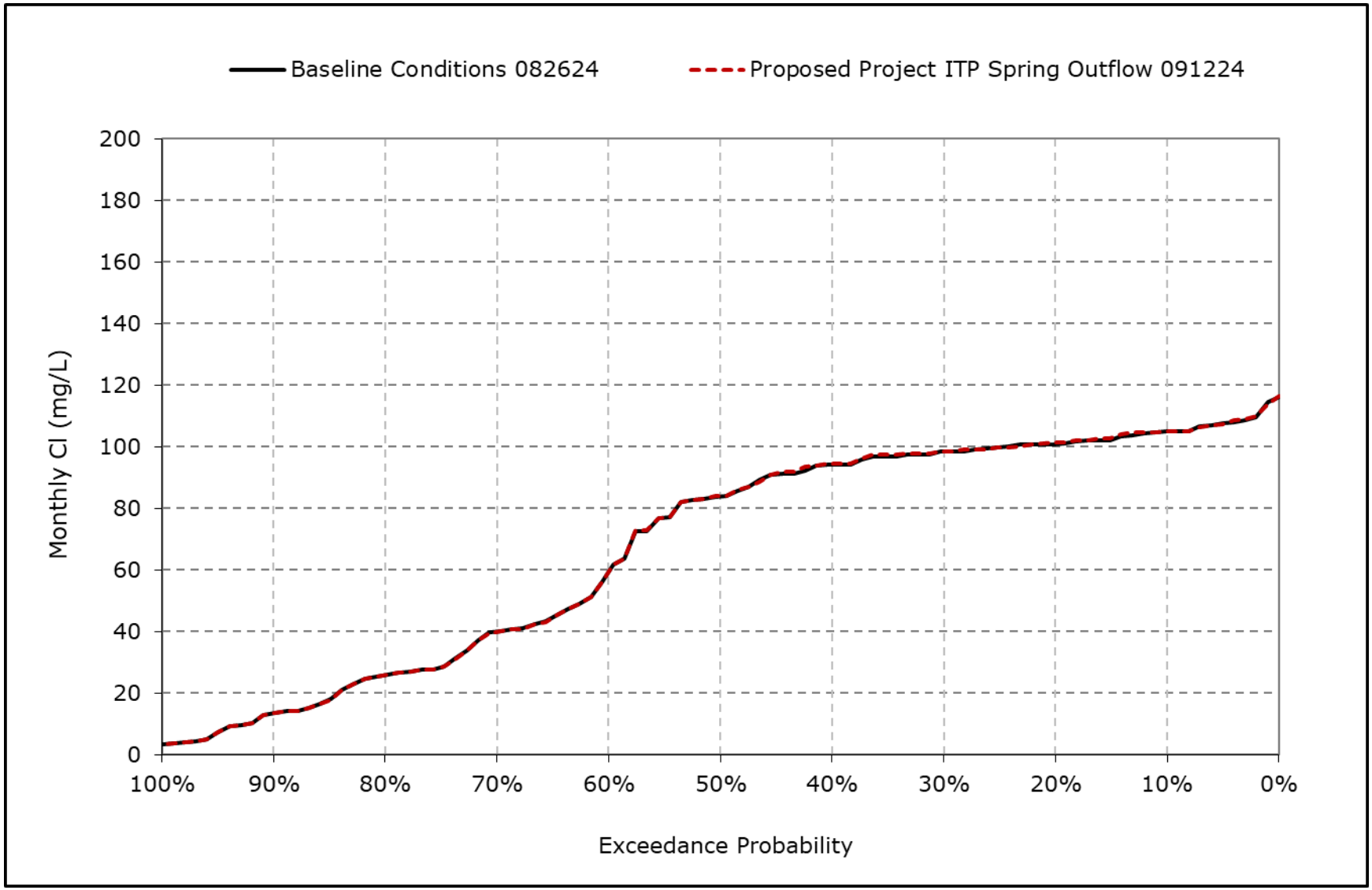
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-12l. Jones Pumping Plant South Delta Exports Chloride, March Cl



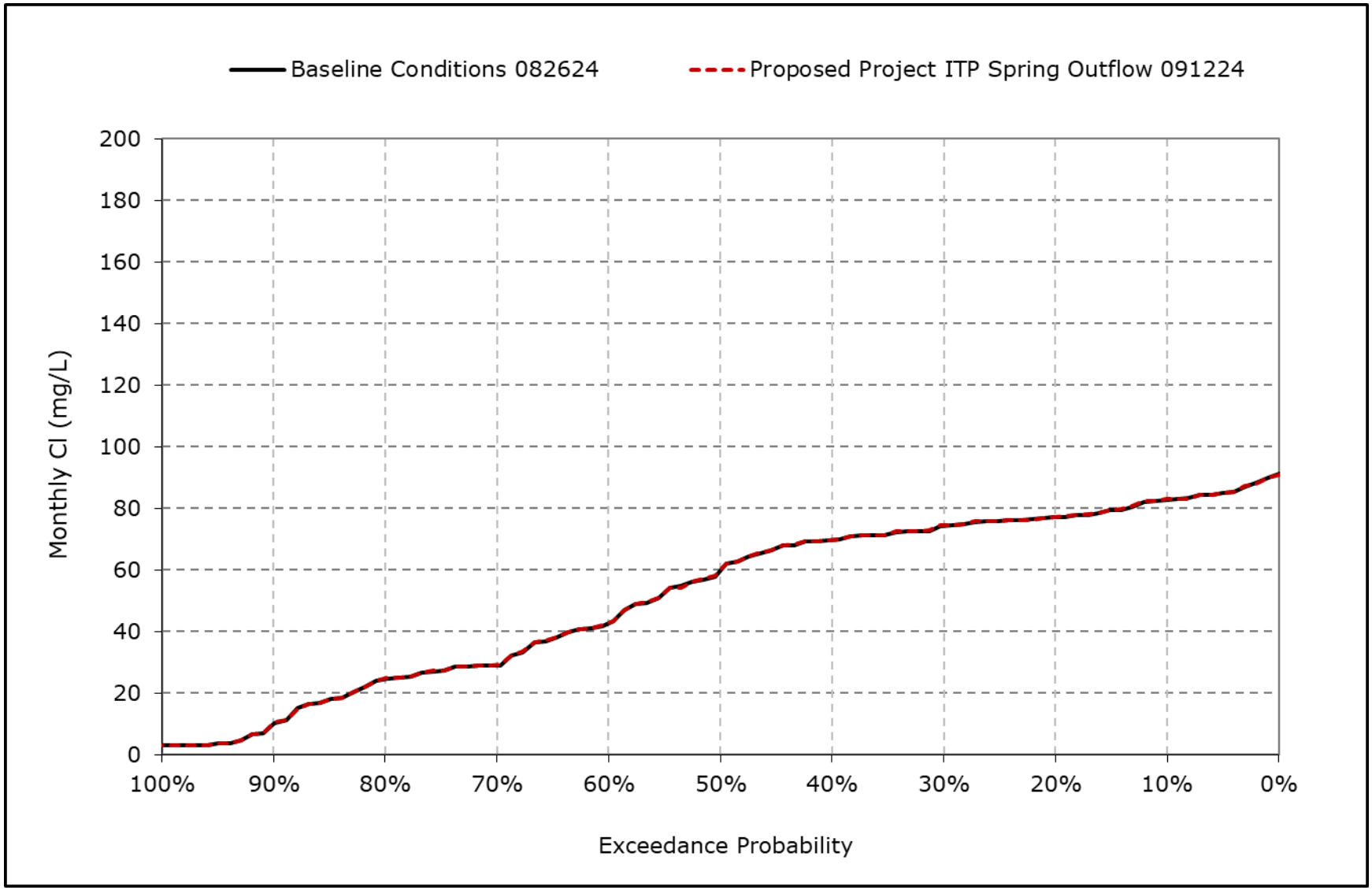
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-12m. Jones Pumping Plant South Delta Exports Chloride, April Cl



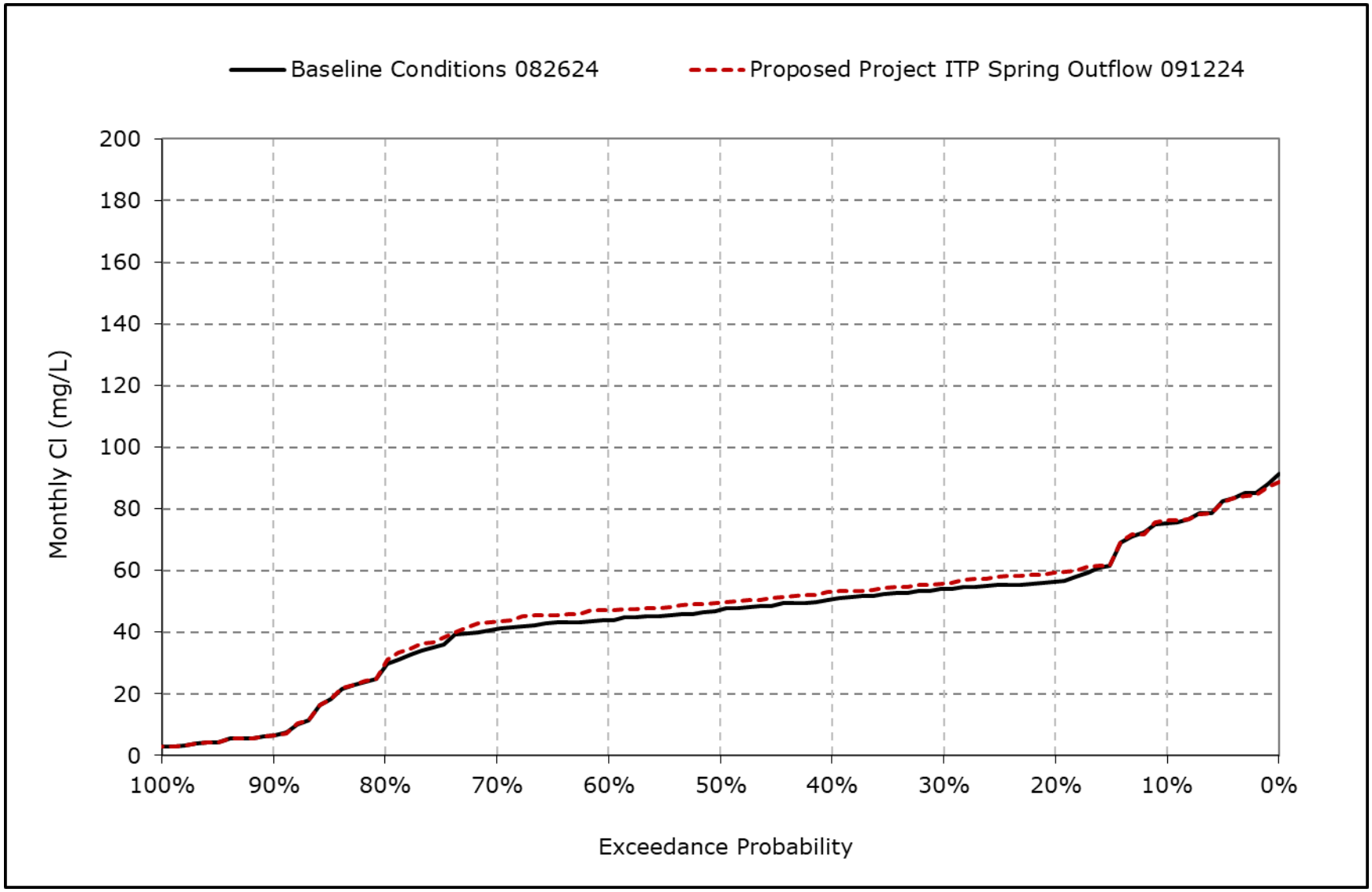
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-12n. Jones Pumping Plant South Delta Exports Chloride, May Cl



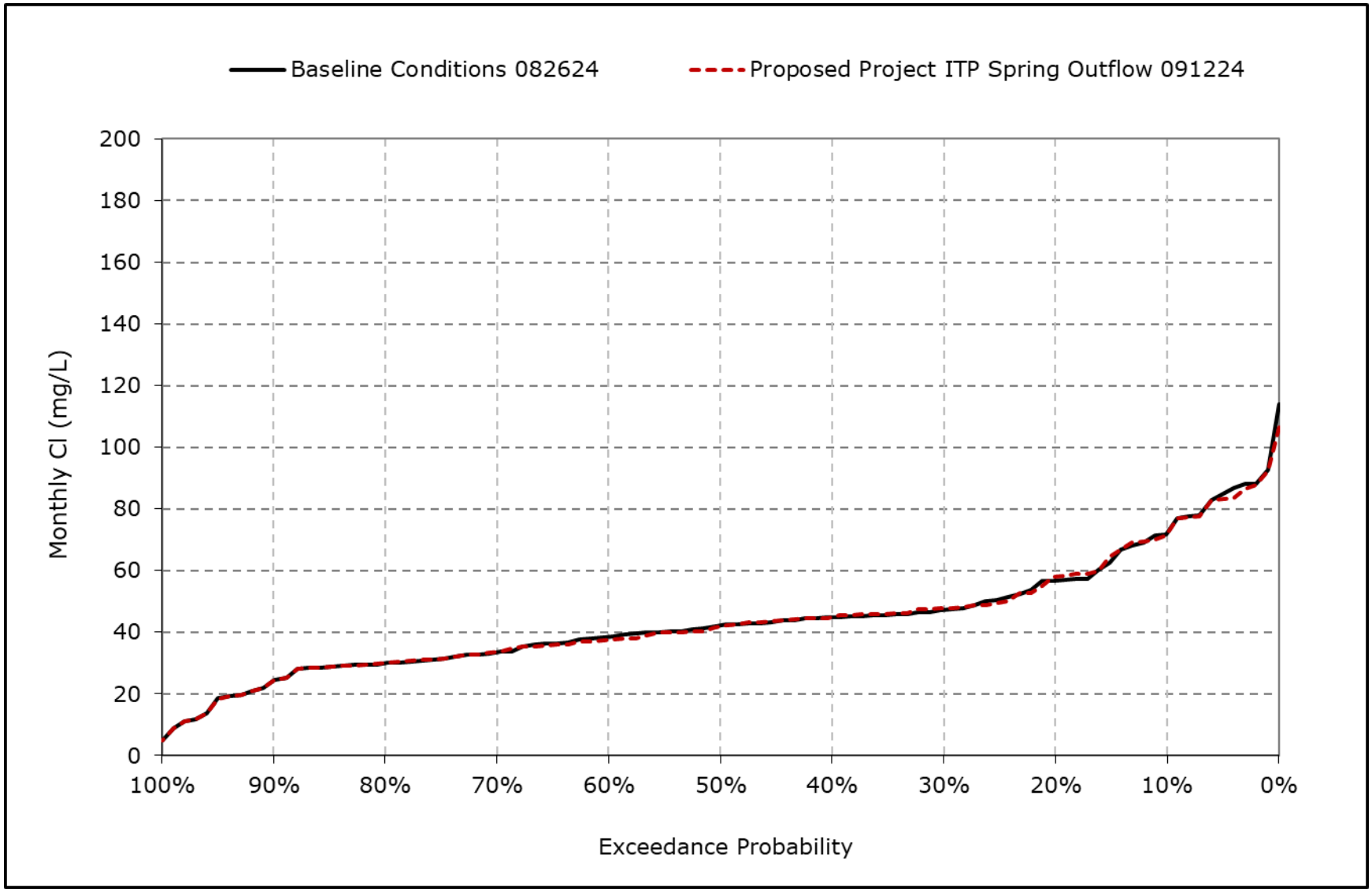
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-12o. Jones Pumping Plant South Delta Exports Chloride, June Cl



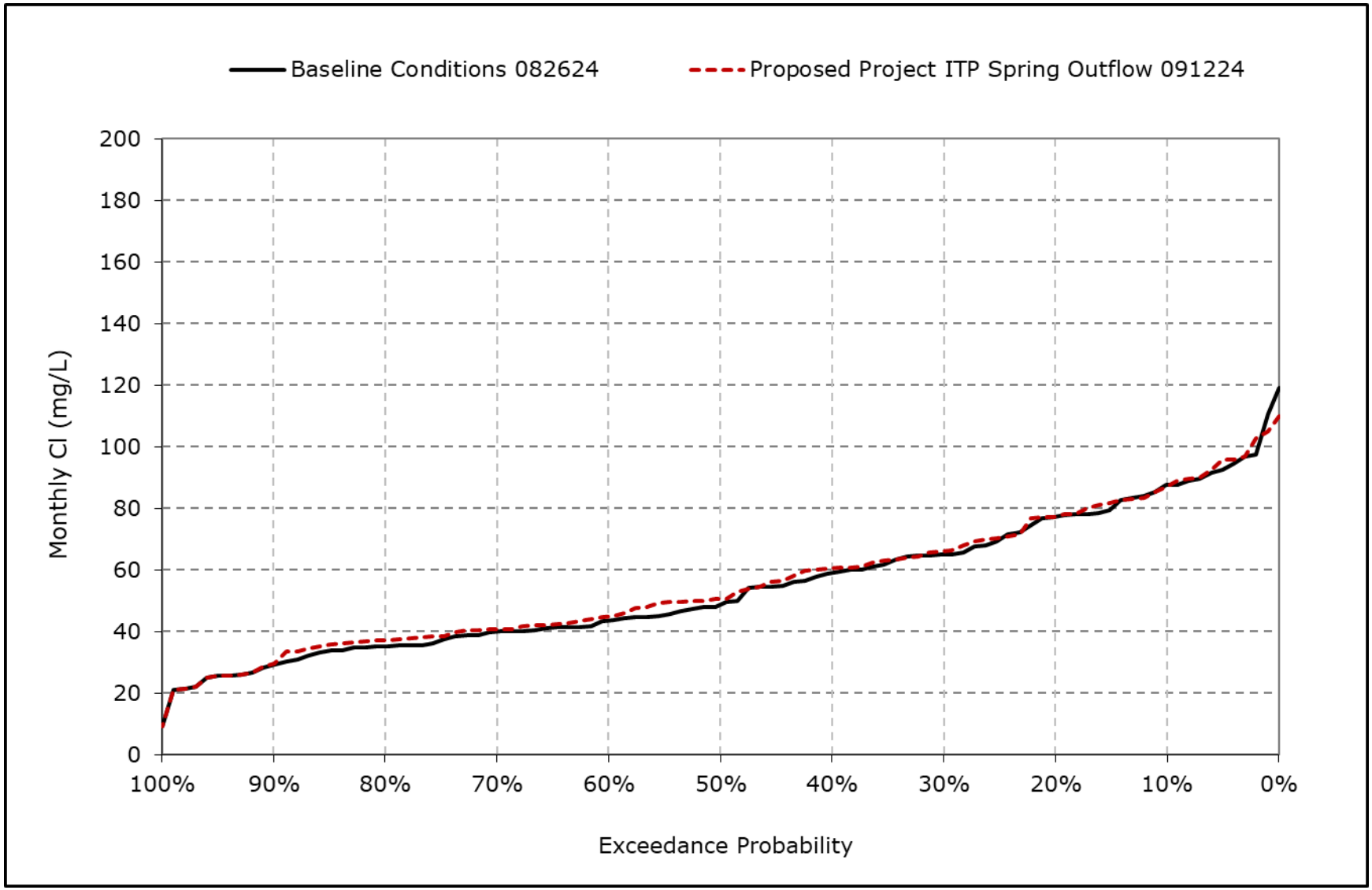
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-12p. Jones Pumping Plant South Delta Exports Chloride, July Cl



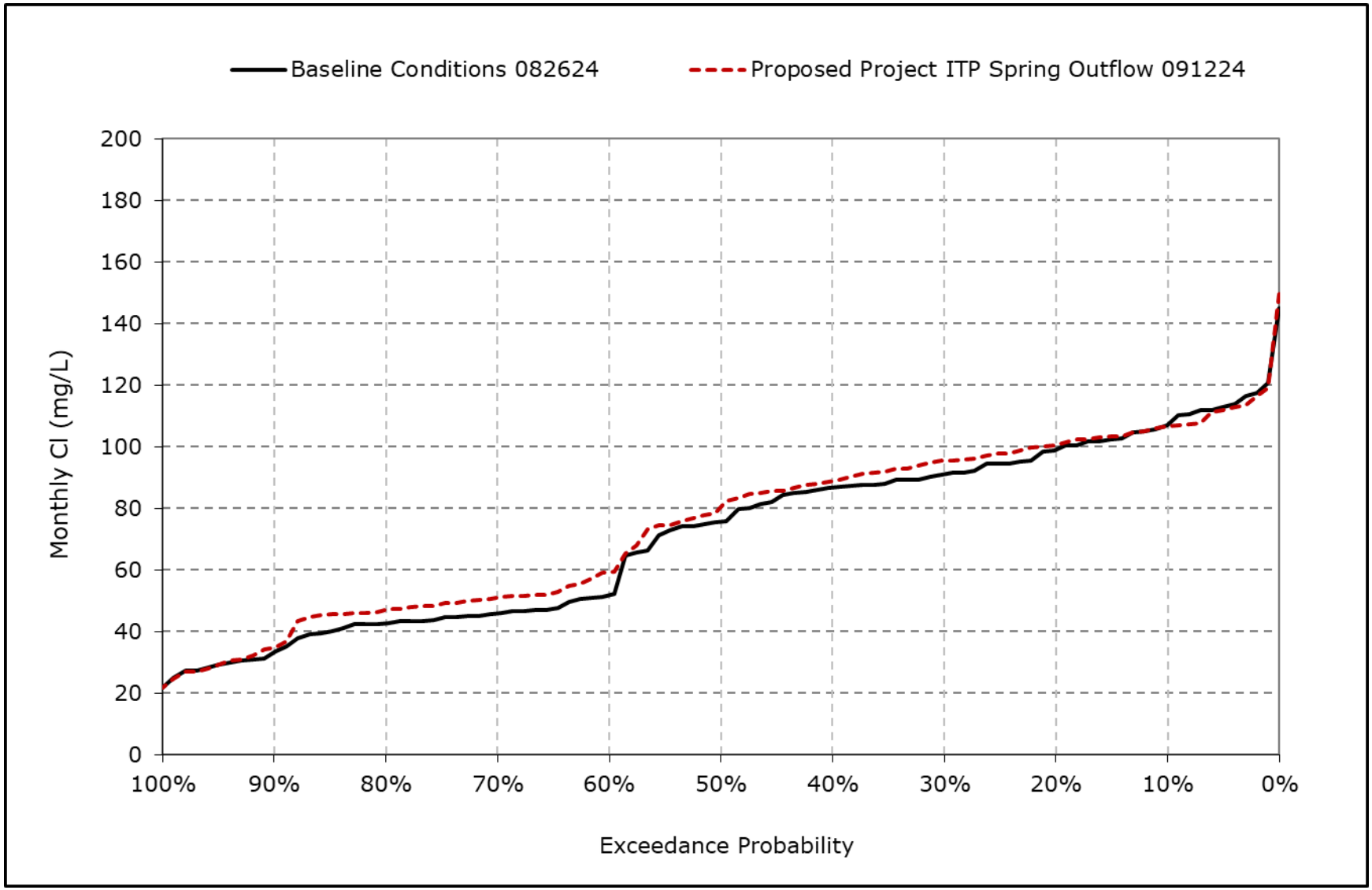
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-12q. Jones Pumping Plant South Delta Exports Chloride, August Cl



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

Figure 4L-8-12r. Jones Pumping Plant South Delta Exports Chloride, September Cl



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

Table 4L-8-13-1a. North Bay Aqueduct Chloride, Baseline Conditions 082624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	19	22	26	29	33	34	28	21	18	17	17	18
20% Exceedance	19	22	25	27	30	31	27	21	18	17	17	17
30% Exceedance	19	21	24	26	28	28	25	20	17	17	16	17
40% Exceedance	18	21	24	25	26	27	25	20	17	17	16	17
50% Exceedance	18	21	24	22	24	25	24	20	17	16	16	17
60% Exceedance	18	20	23	22	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	22	20	20	22	23	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 (32%)	18	21	24	22	23	24	24	19	17	16	16	17
Above Normal Years (9%)	18	21	24	26	29	28	24	19	17	16	16	17
Below Normal Years (20%)	18	21	23	23	25	25	23	20	17	17	16	17
Dry Water Years (21%)	18	21	23	24	26	28	25	20	17	16	16	17
Critical Water Years (18%)	19	21	23	26	28	31	26	21	18	17	17	18

Table 4L-8-13-1b. North Bay Aqueduct Chloride, Proposed Project ITP Spring Outflow 091224, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	19	22	26	29	33	34	28	21	18	17	17	18
20% Exceedance	19	22	25	27	30	30	27	21	18	17	17	17
30% Exceedance	19	21	25	26	28	28	26	20	17	17	16	17
40% Exceedance	18	21	24	25	26	27	25	20	17	17	16	17
50% Exceedance	18	21	24	22	24	25	24	20	17	16	16	17
60% Exceedance	18	20	23	22	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	22	20	20	22	23	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 (32%)	18	21	24	22	23	24	24	19	17	16	16	17
Above Normal Years (9%)	18	21	24	26	29	28	24	19	17	16	16	17
Below Normal Years (20%)	18	21	23	23	25	25	23	20	17	17	16	17
Dry Water Years (21%)	18	21	23	24	26	28	25	20	17	16	16	17
Critical Water Years (18%)	19	21	24	26	28	30	26	21	18	17	17	18

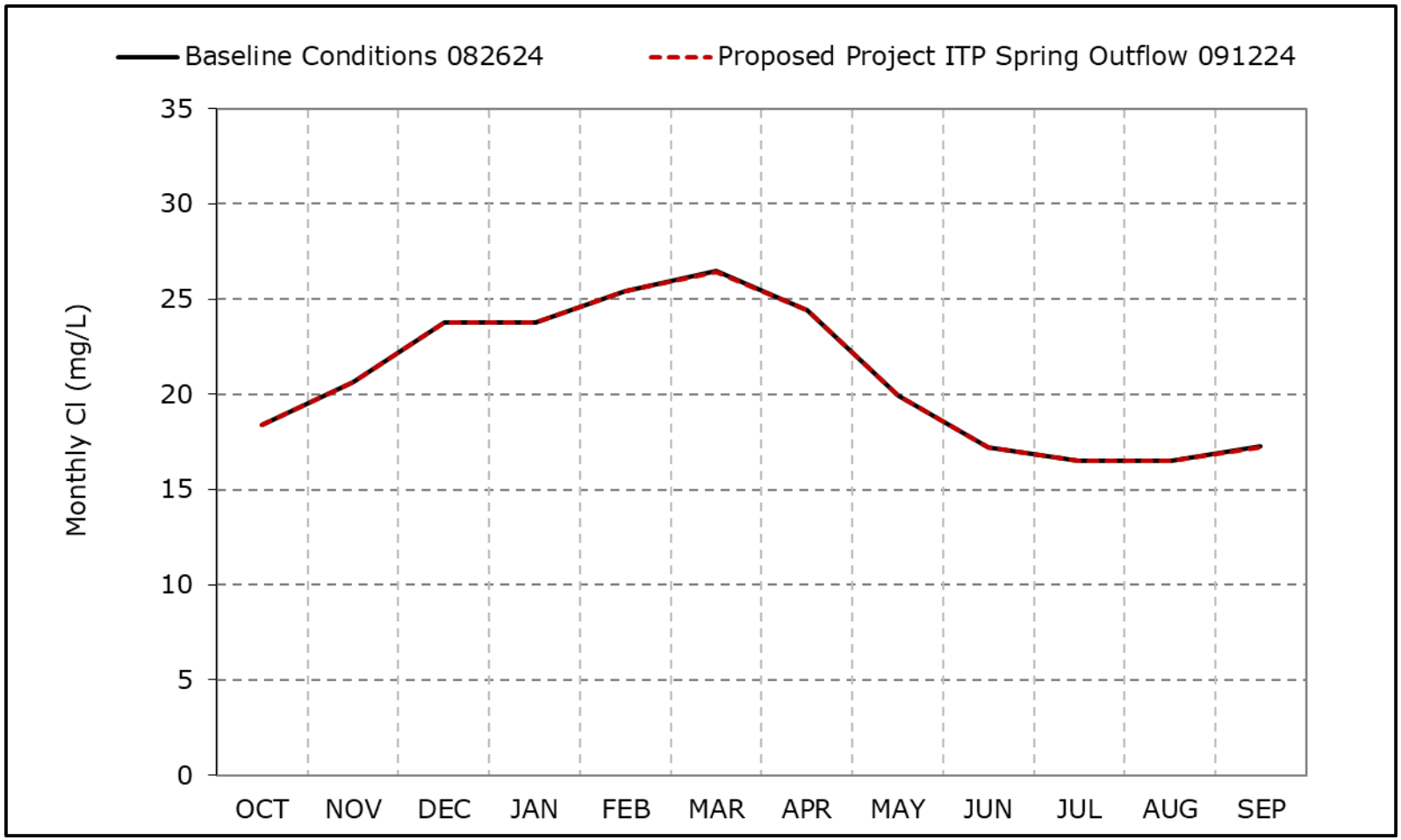
Table 4L-8-13-1c. North Bay Aqueduct Chloride, Proposed Project ITP Spring Outflow 091224 minus Baseline Conditions 082624, Monthly Cl (mg/L)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
20% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
30% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
40% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
50% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
60% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
70% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
80% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
90% Exceedance	0	0	0	0	0	0	0	0	0	0	0	0
Full Simulation Period Average[a]	0	0	0	0	0	0	0	0	0	0	0	0
Wet Water Years (32%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Years (9%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Years (20%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (21%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (18%)	0	0	0	0	0	0	0	0	0	0	0	0

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

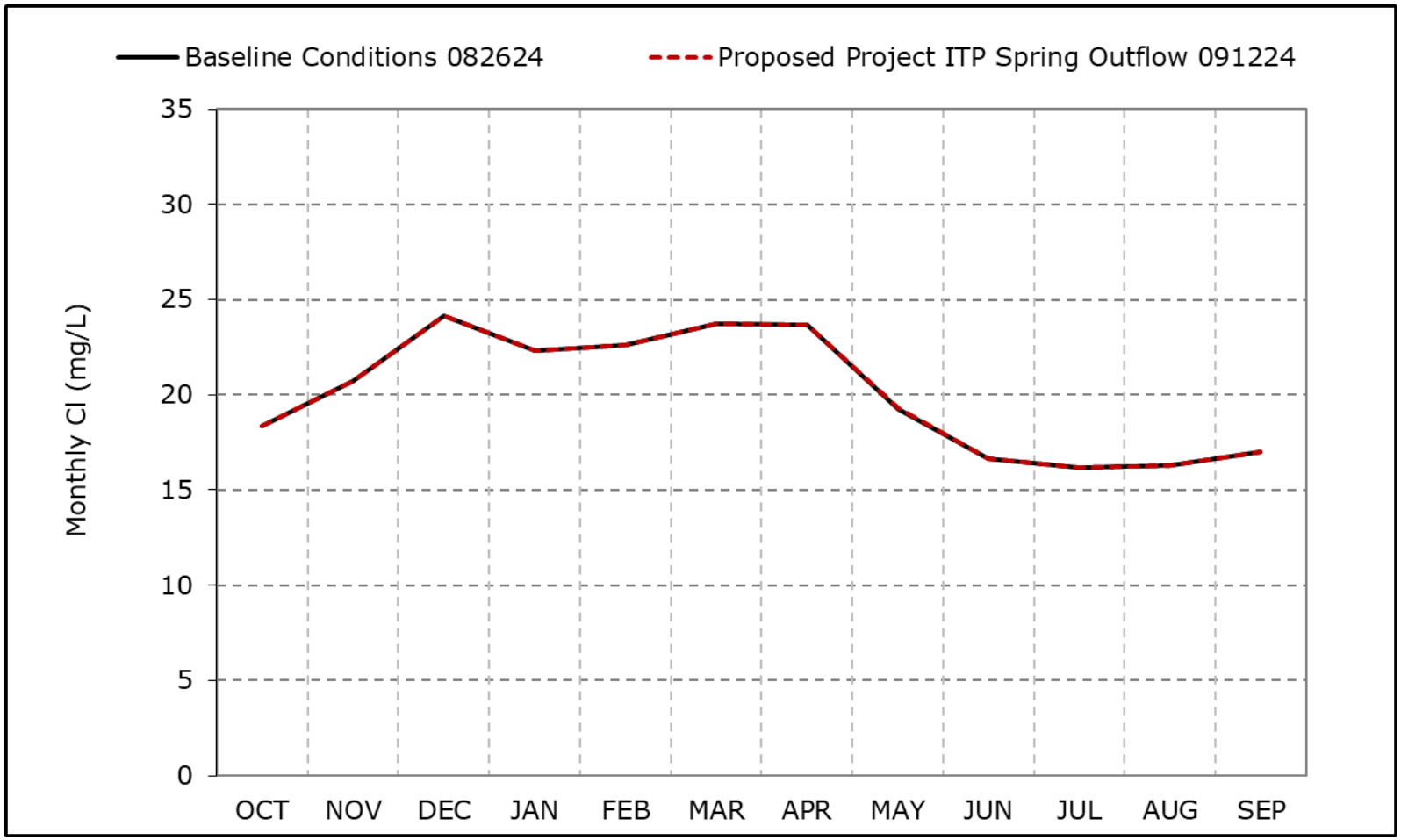
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4L-8-13a. North Bay Aqueduct Chloride, Long-Term Average Cl



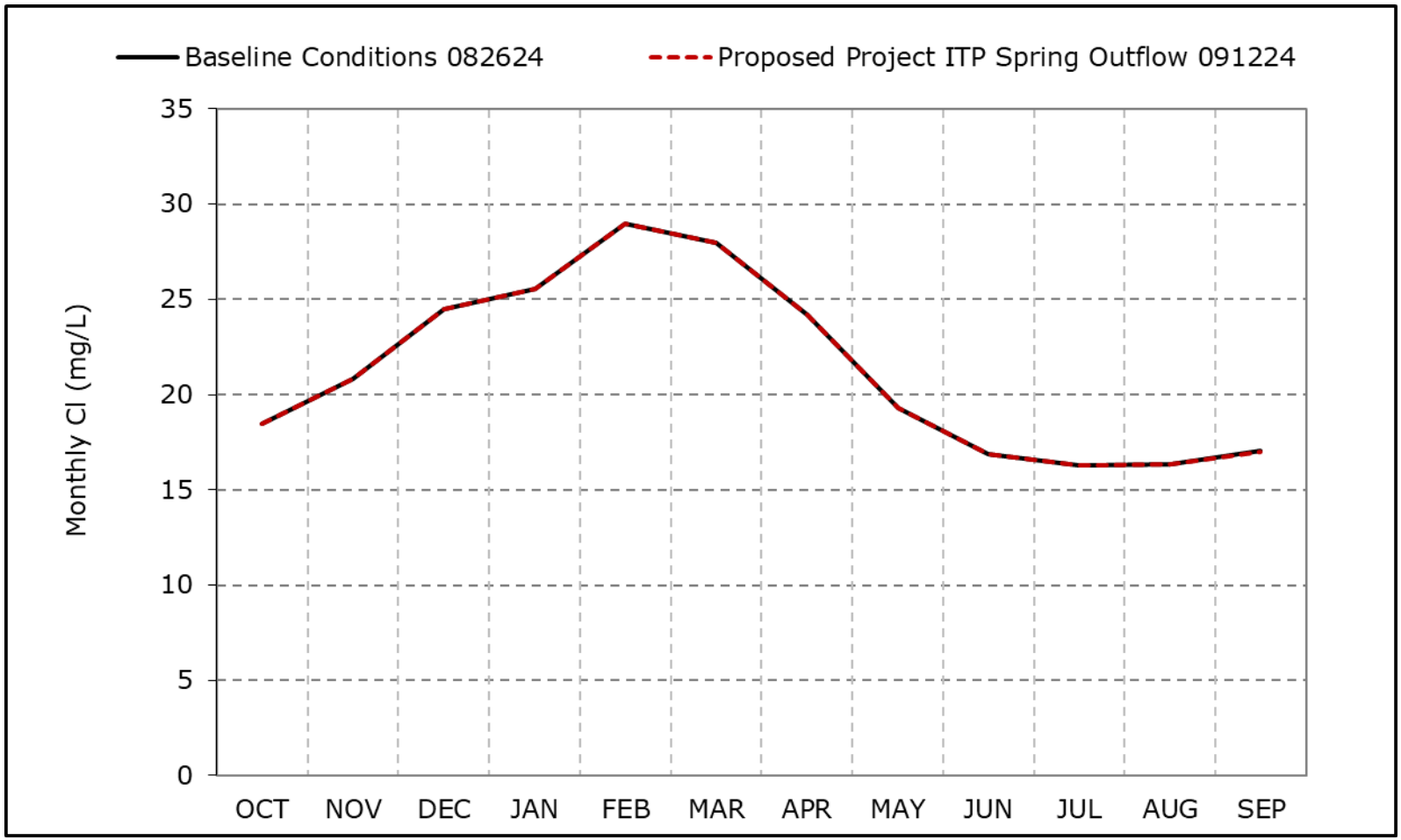
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-13b. North Bay Aqueduct Chloride, Wet Year Average Cl



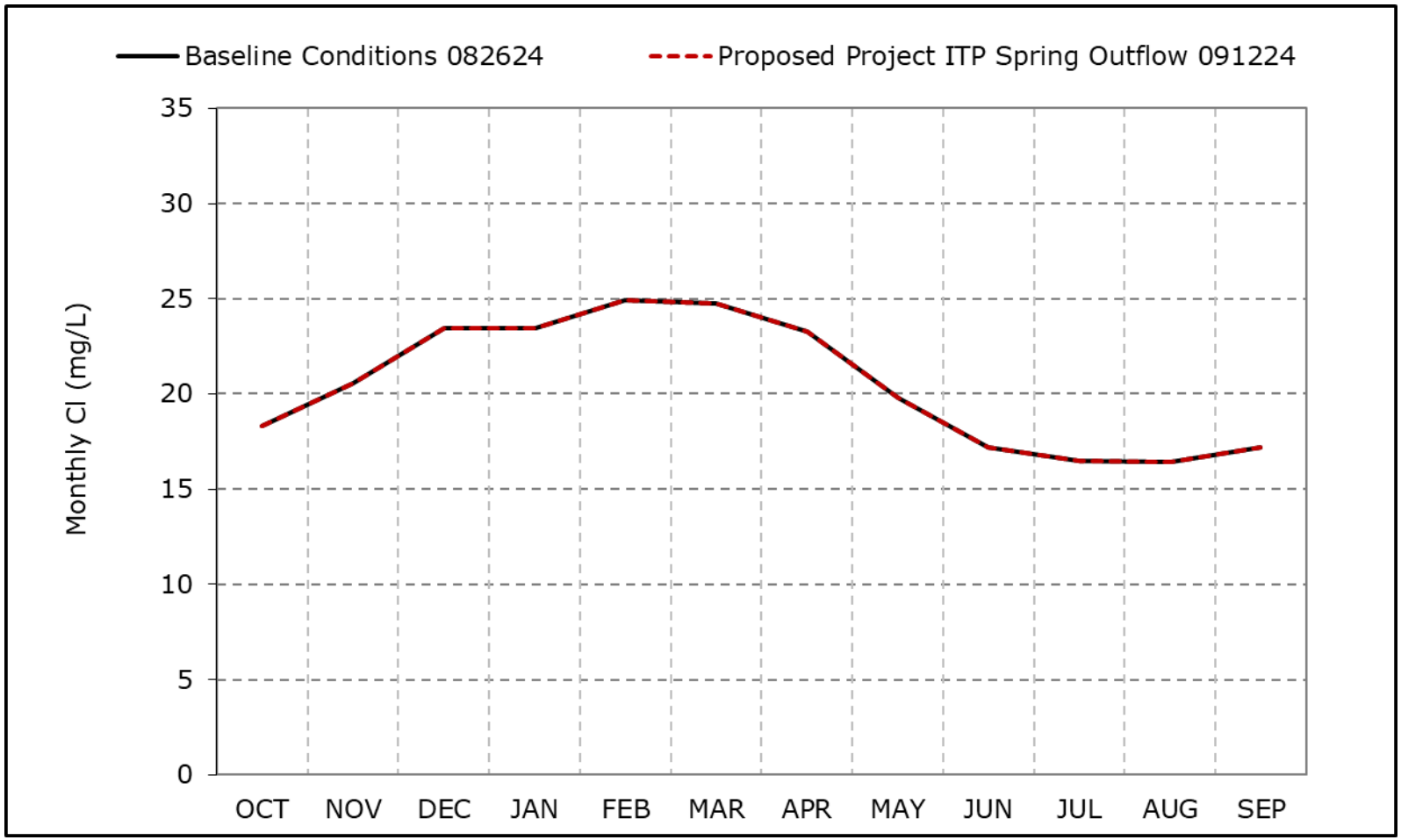
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-13c. North Bay Aqueduct Chloride, Above Normal Year Average Cl



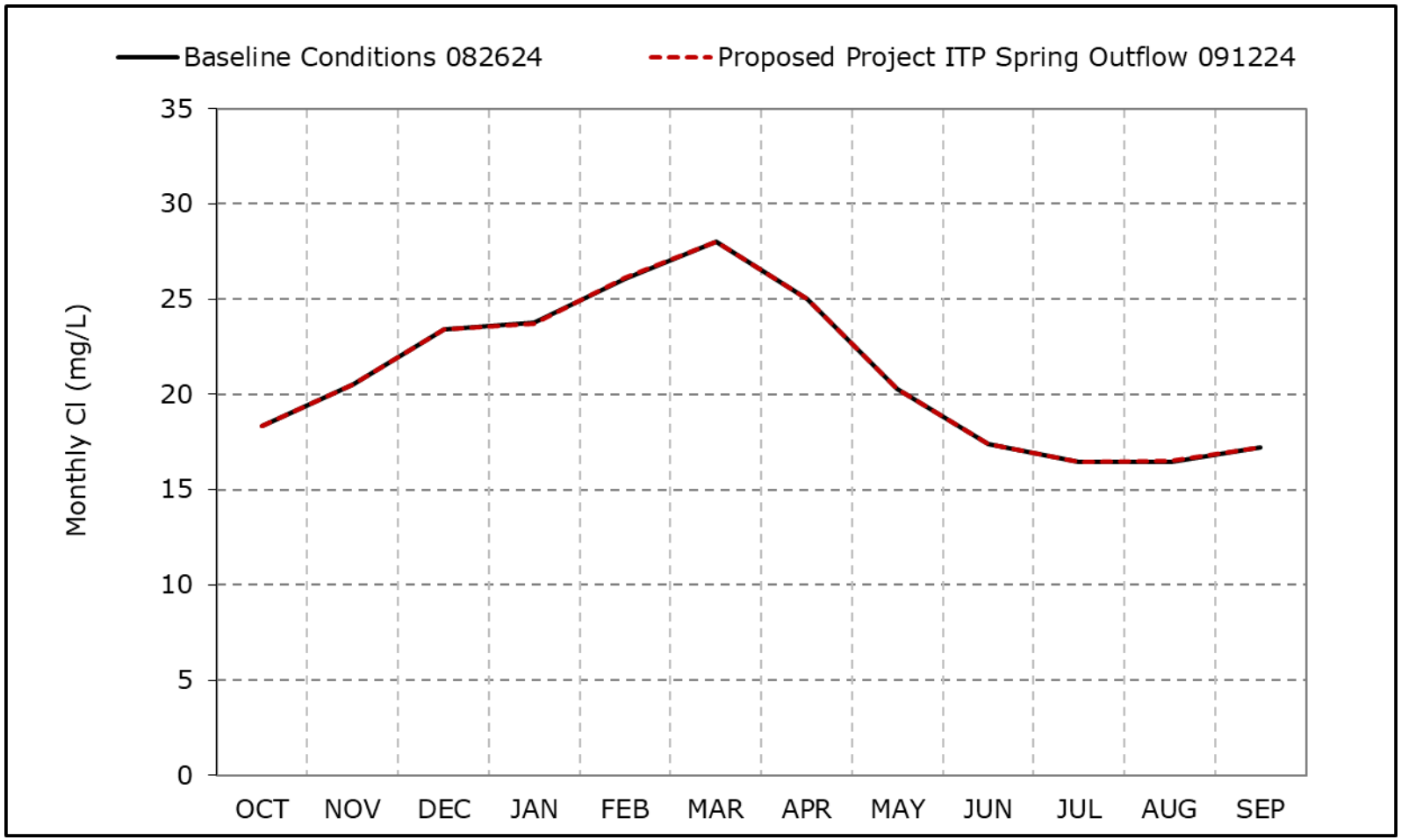
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-13d. North Bay Aqueduct Chloride, Below Normal Year Average Cl



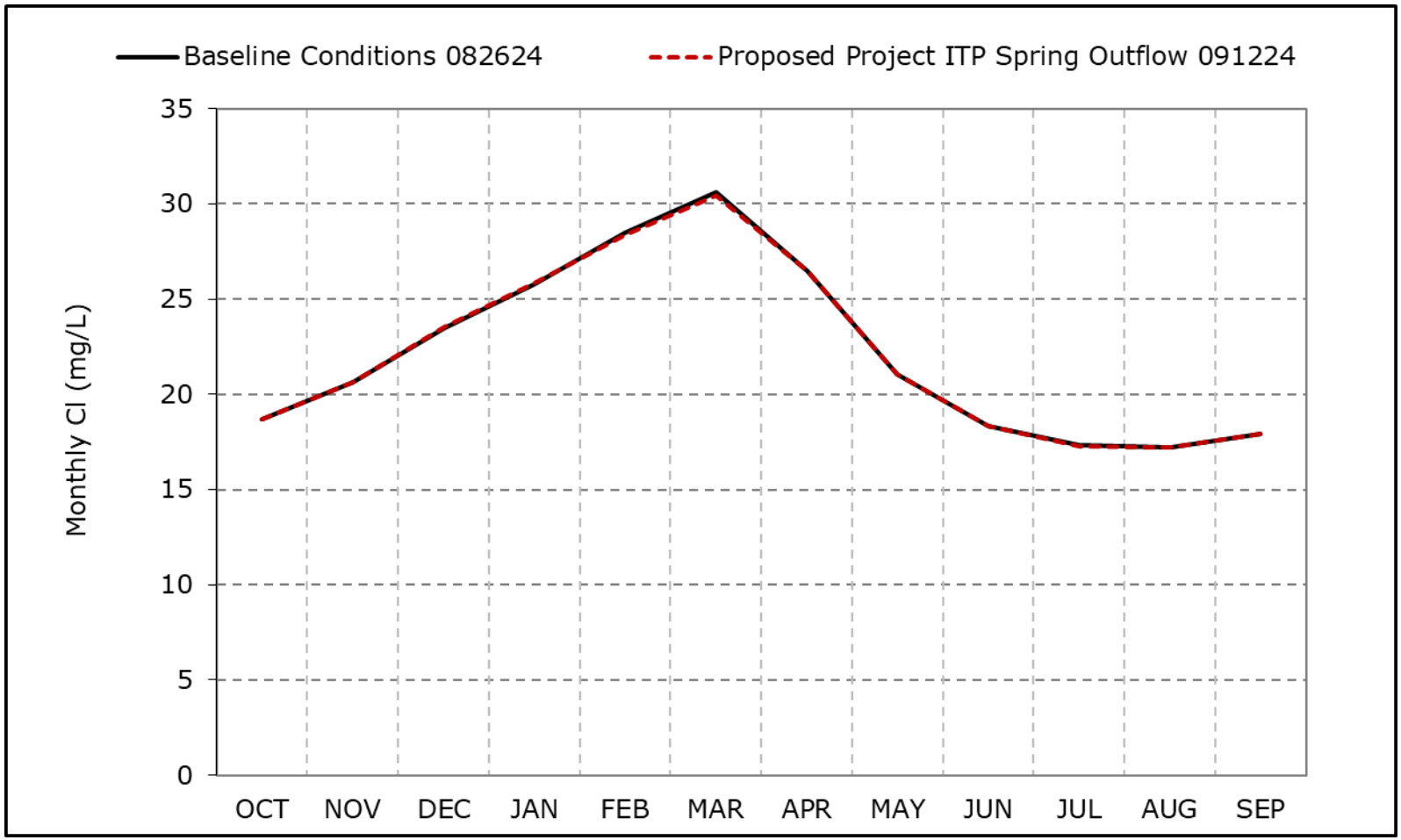
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-13e. North Bay Aqueduct Chloride, Dry Year Average Cl



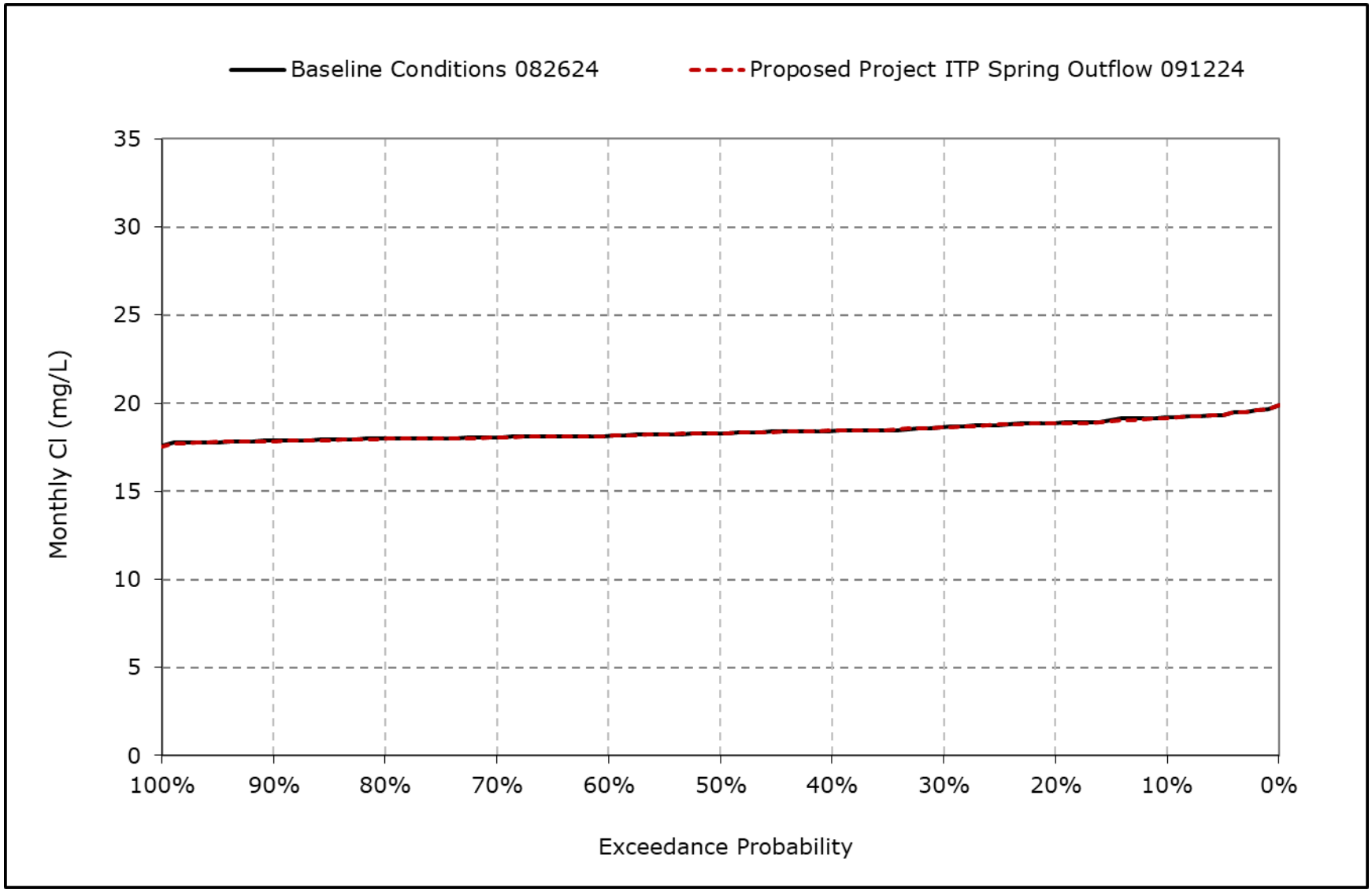
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-13f. North Bay Aqueduct Chloride, Critical Year Average Cl



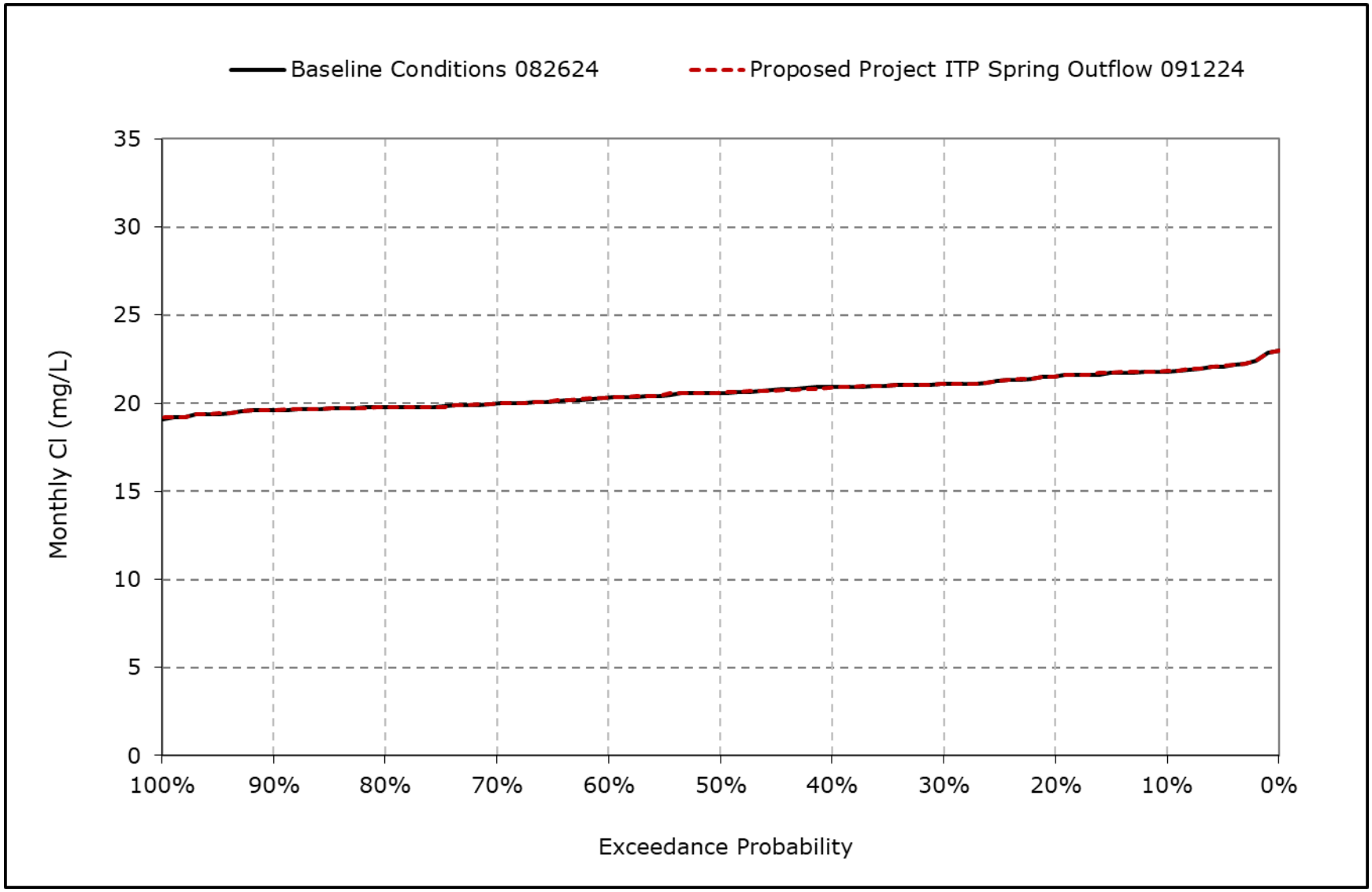
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-13g. North Bay Aqueduct Chloride, October Cl



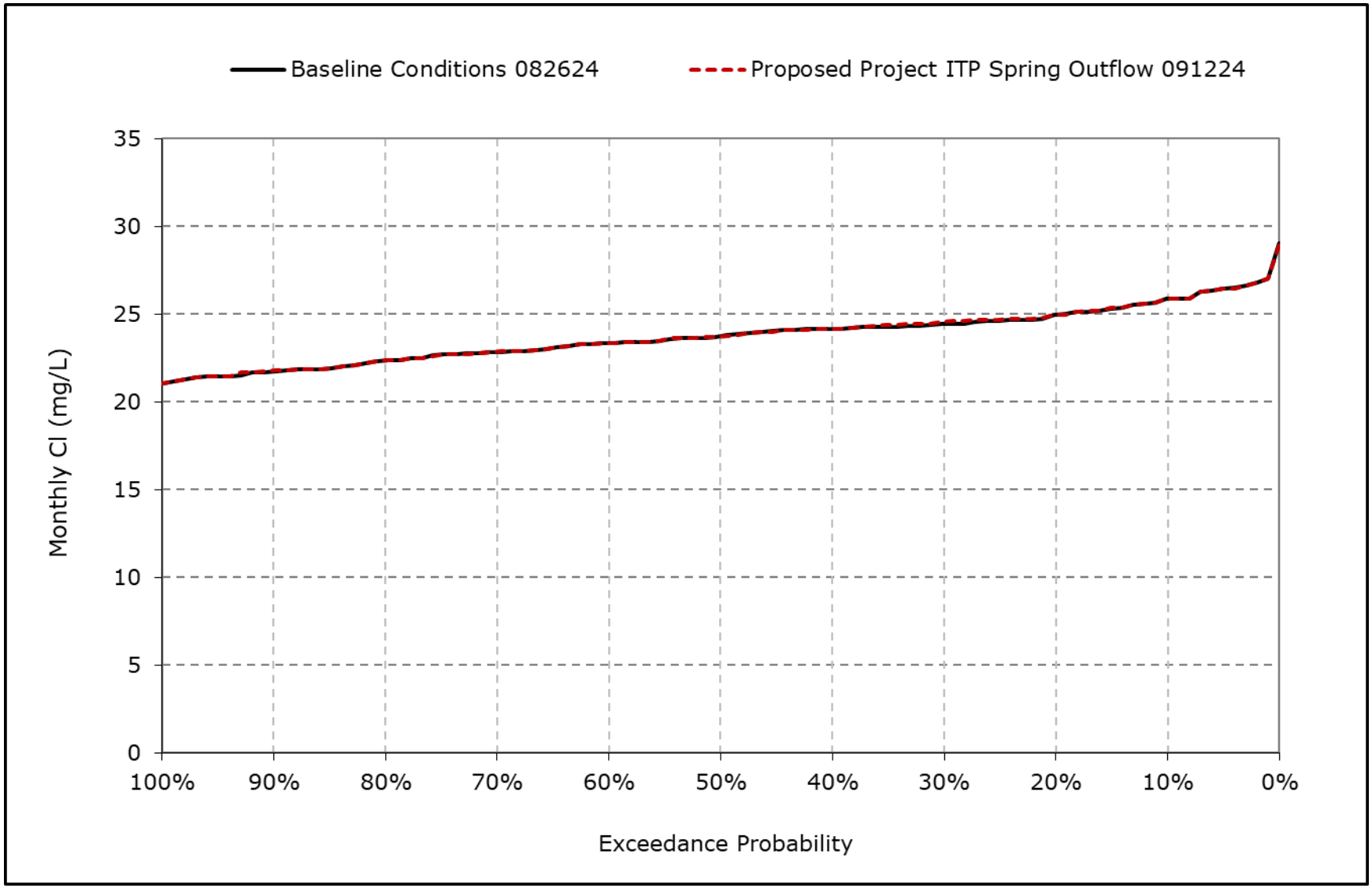
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-13h. North Bay Aqueduct Chloride, November Cl



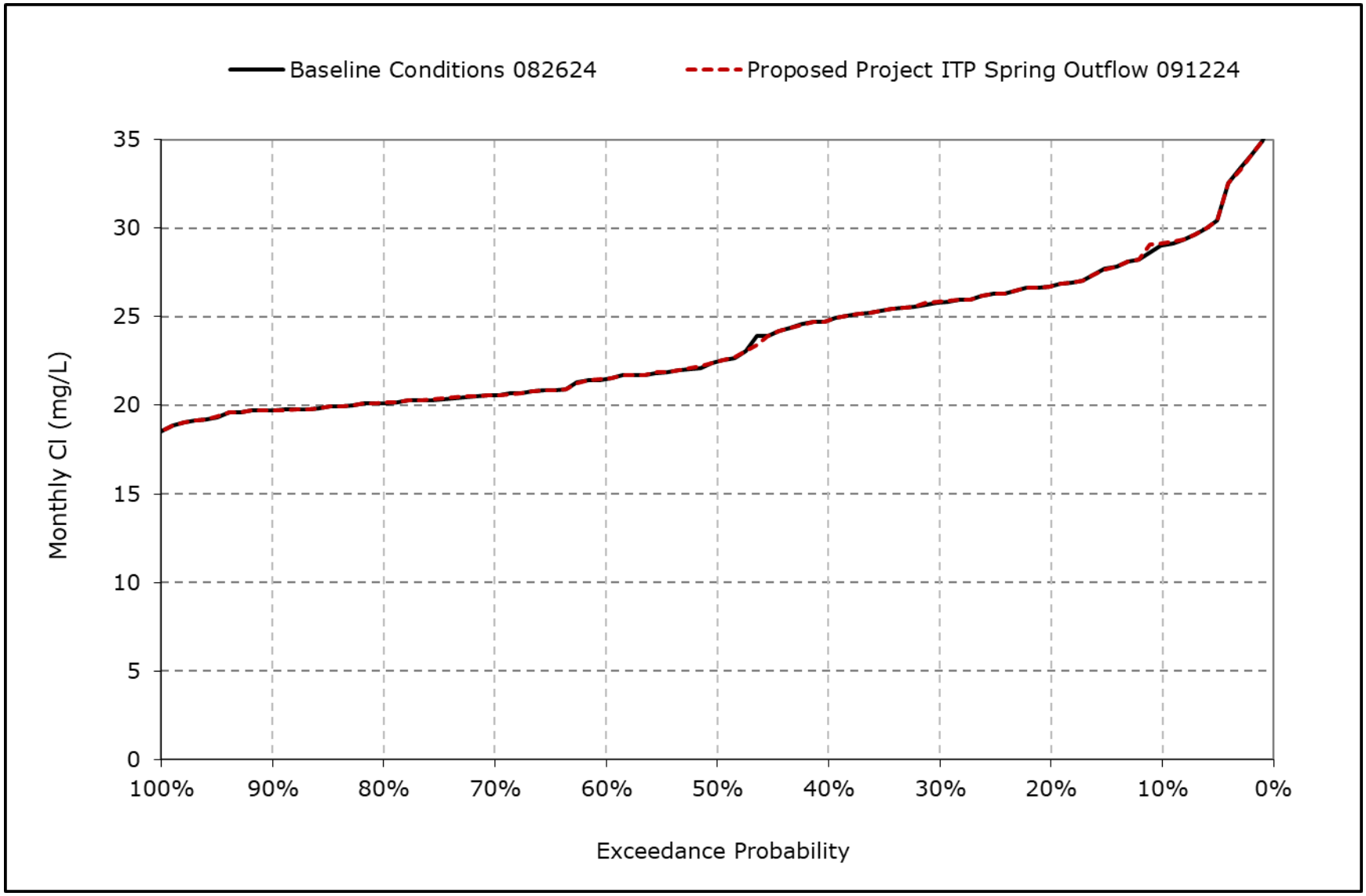
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-13i. North Bay Aqueduct Chloride, December Cl



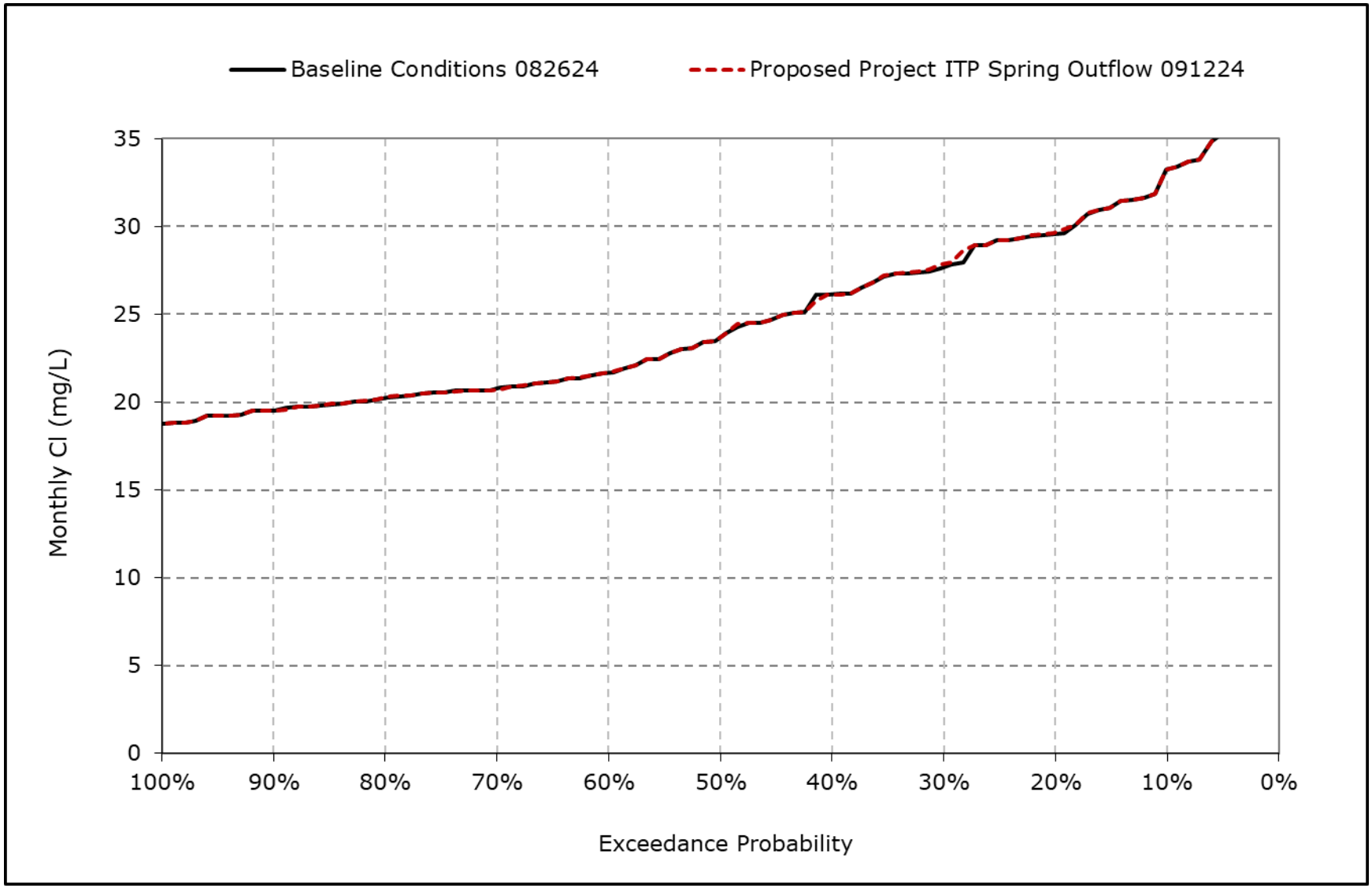
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-13j. North Bay Aqueduct Chloride, January Cl



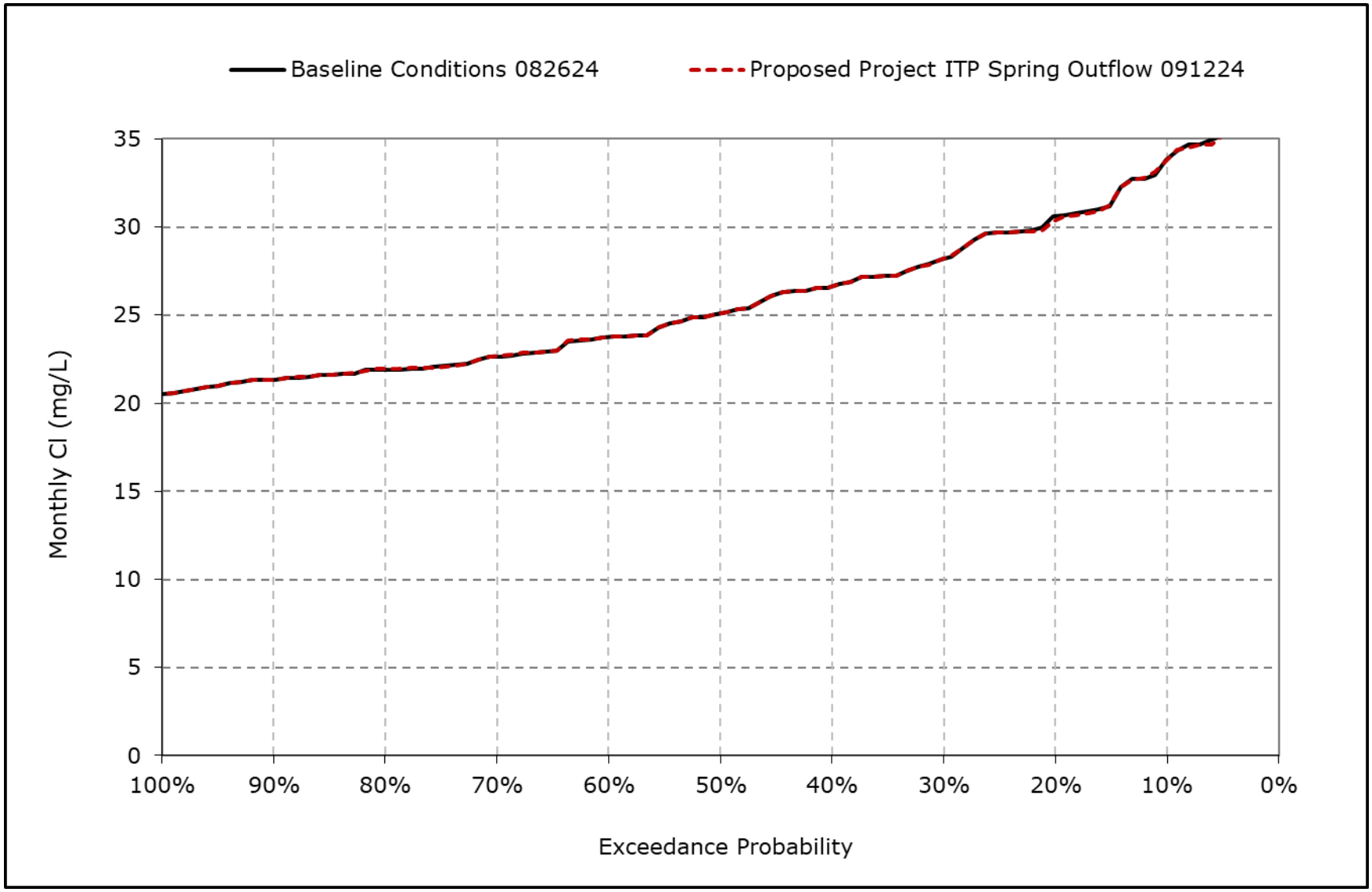
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-13k. North Bay Aqueduct Chloride, February Cl



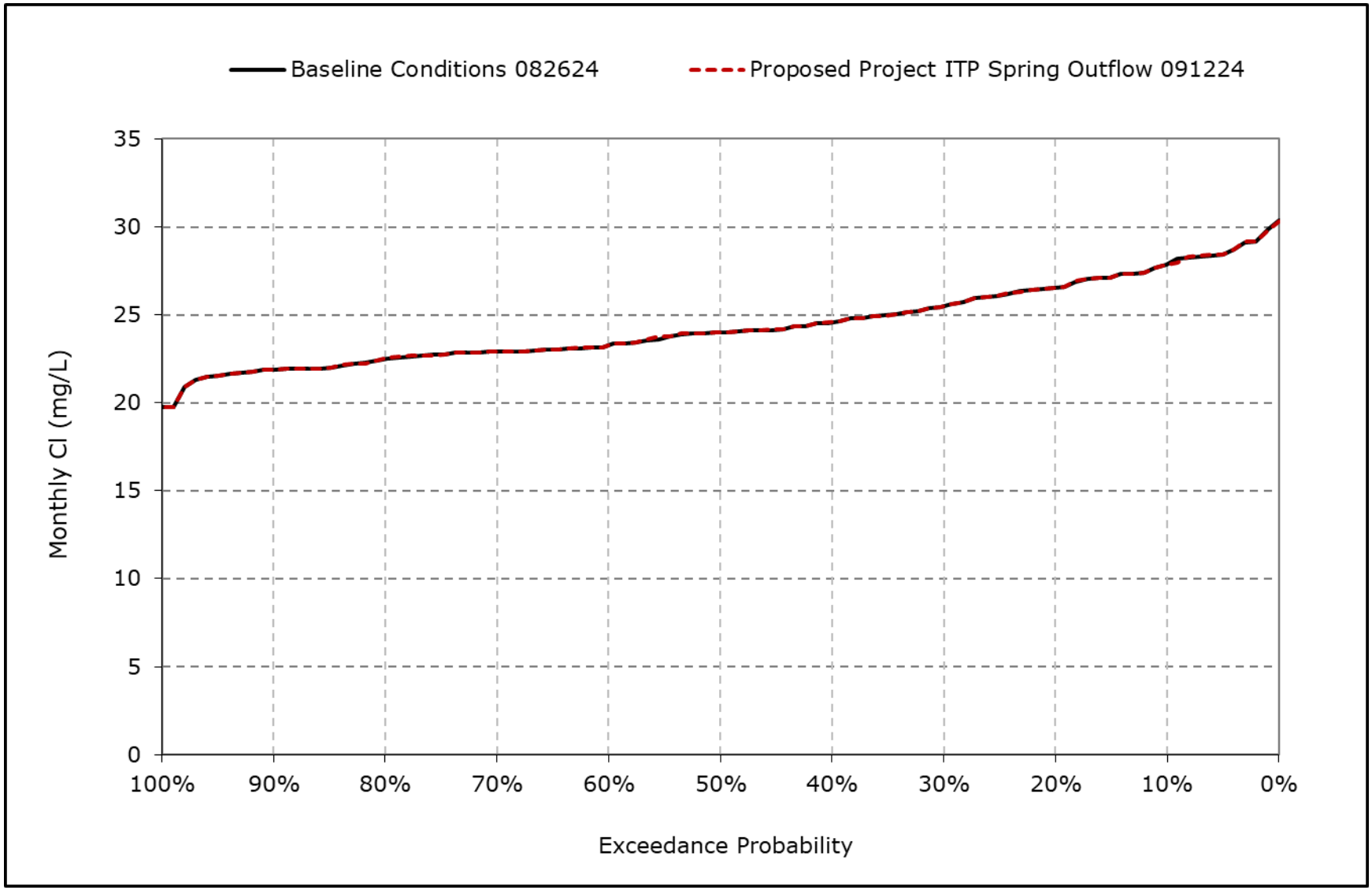
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-13l. North Bay Aqueduct Chloride, March Cl



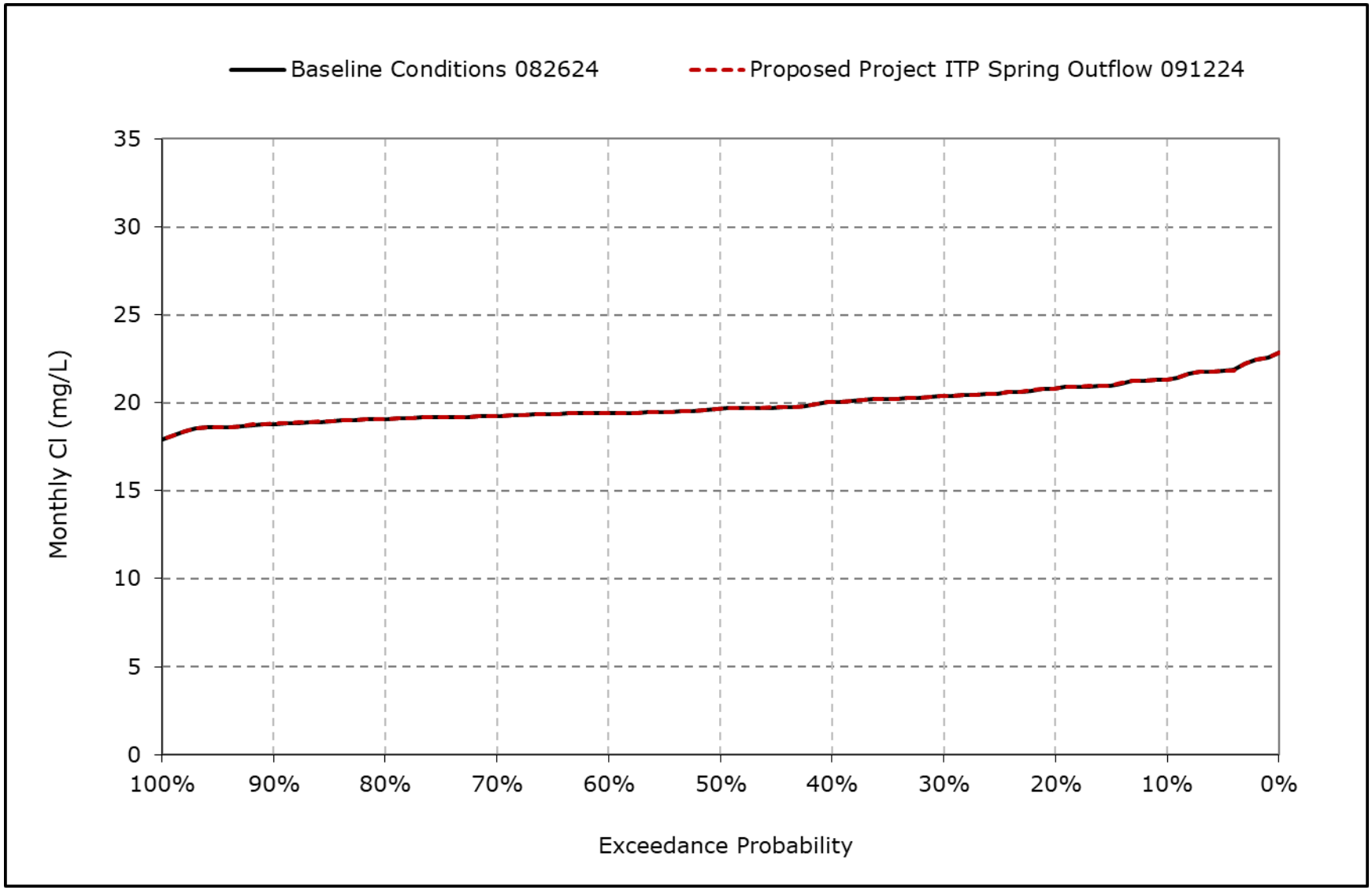
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-13m. North Bay Aqueduct Chloride, April Cl



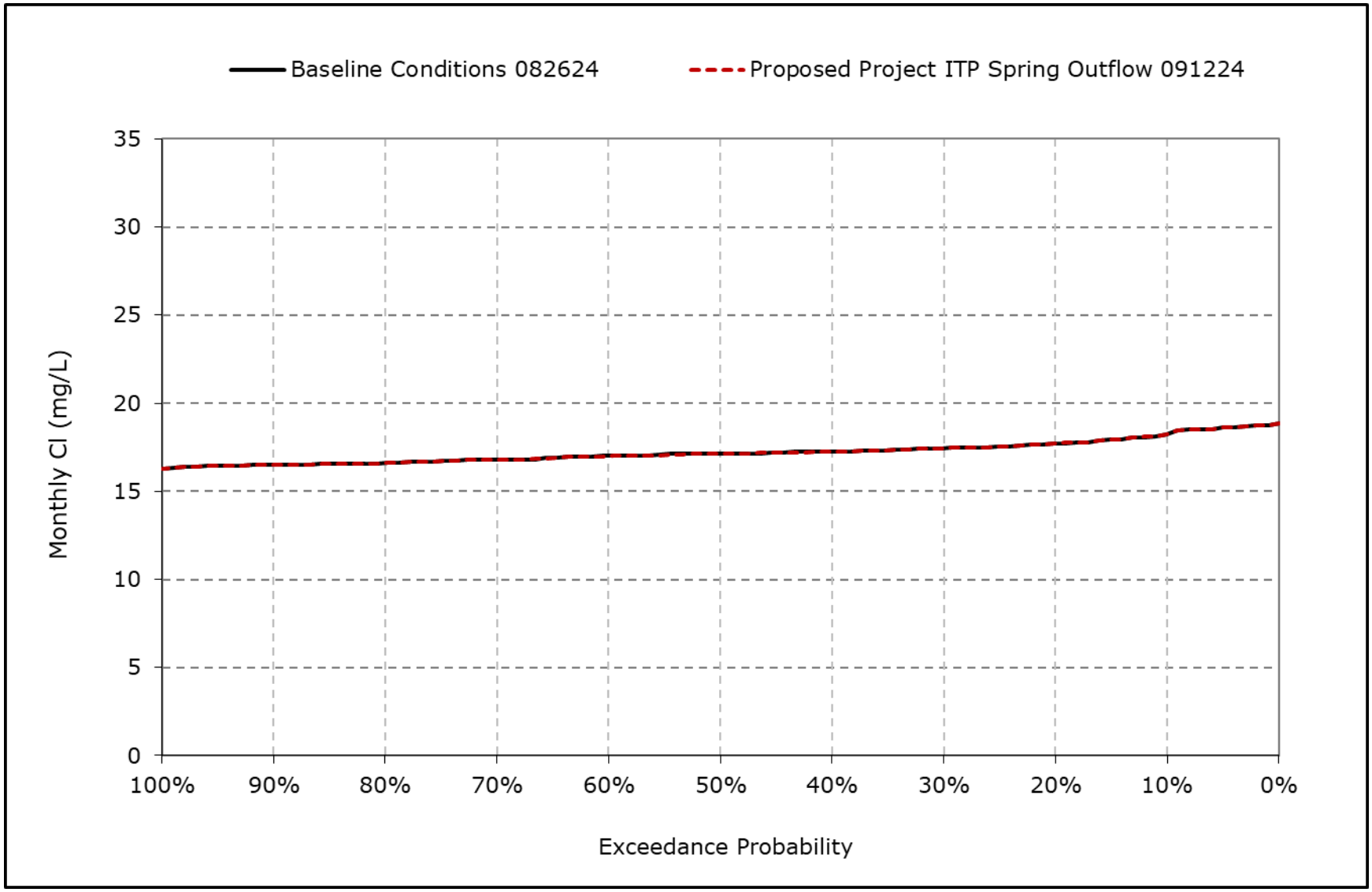
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-13n. North Bay Aqueduct Chloride, May Cl



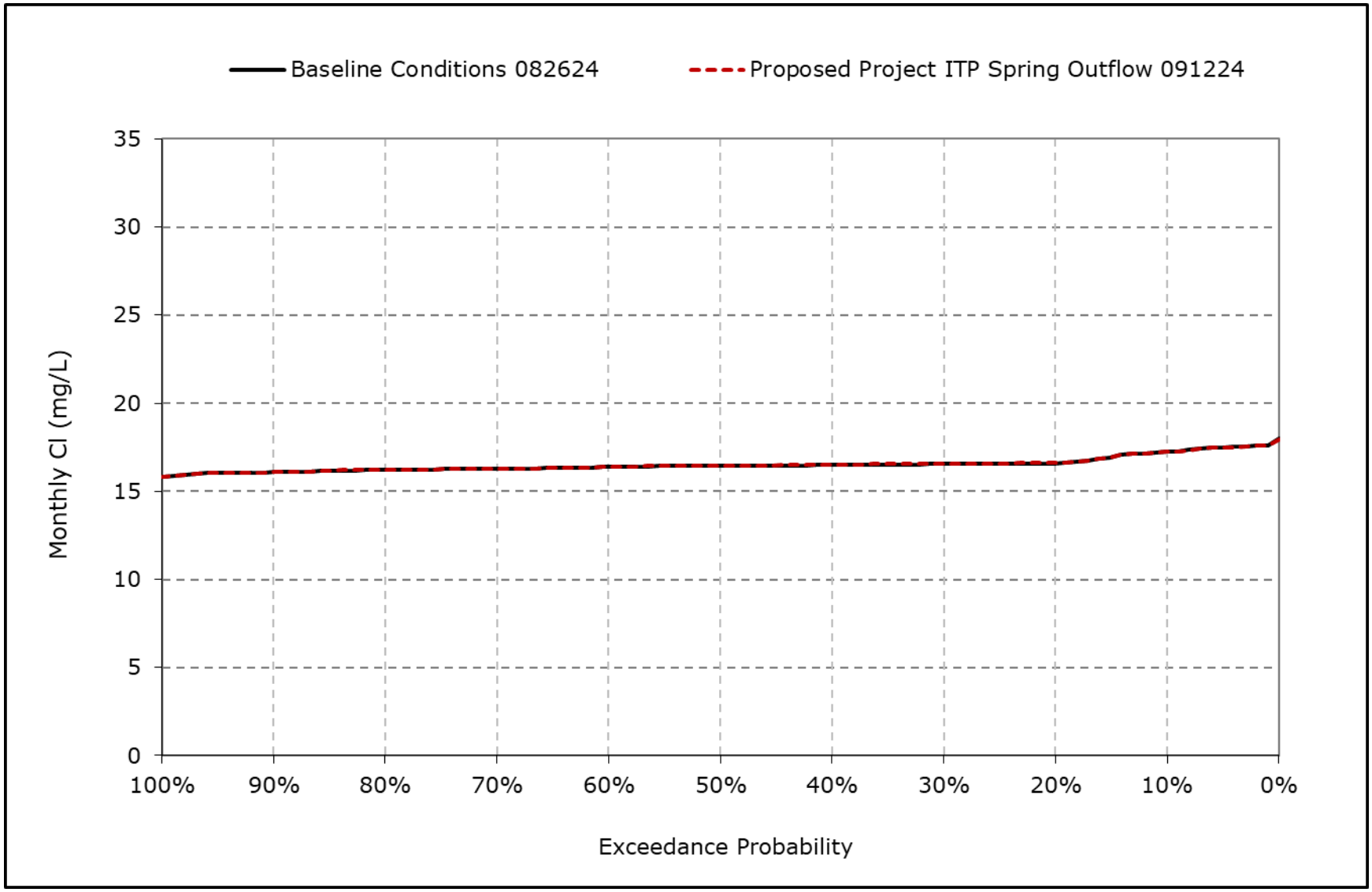
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-13o. North Bay Aqueduct Chloride, June Cl



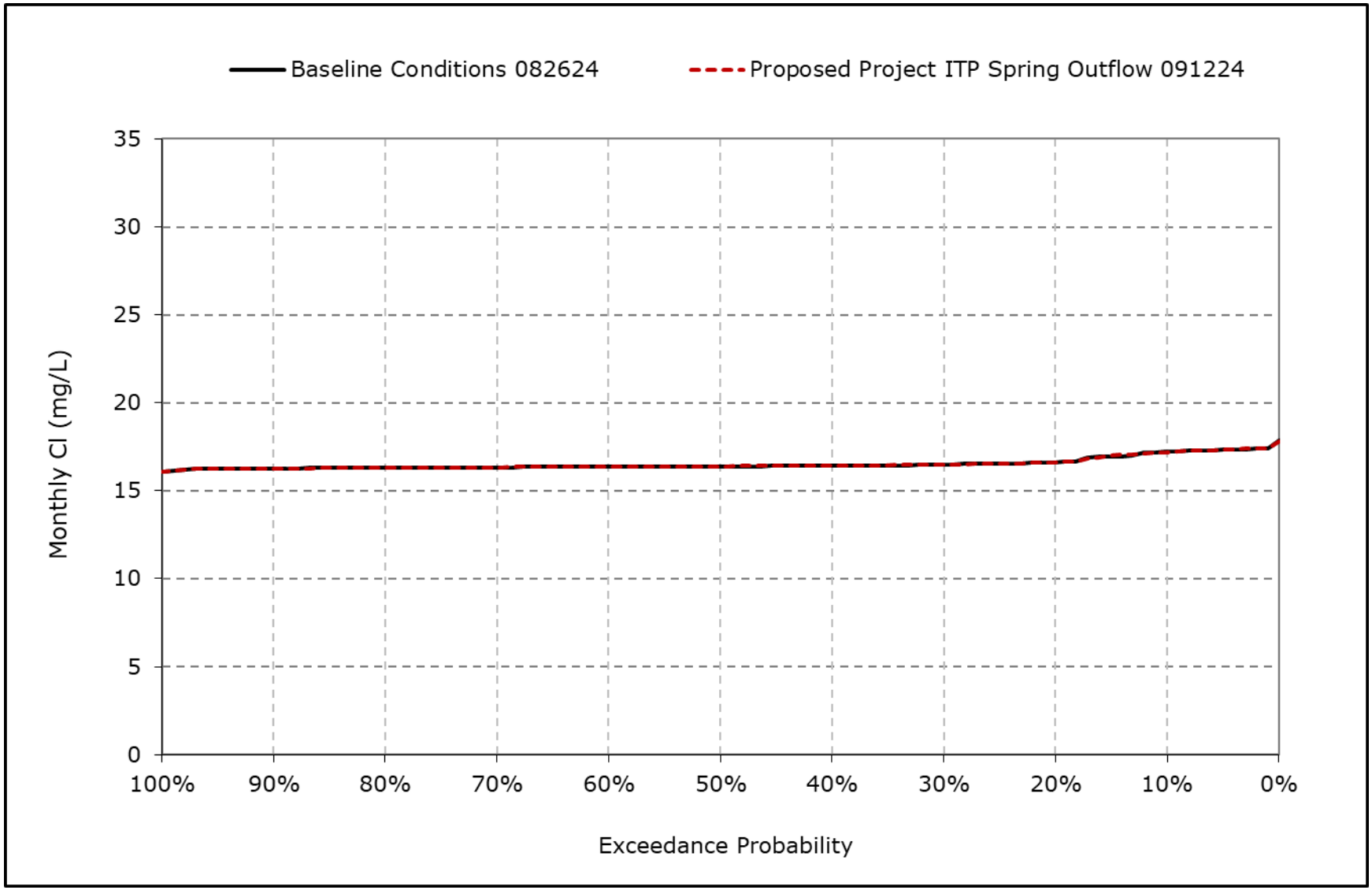
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-13p. North Bay Aqueduct Chloride, July Cl



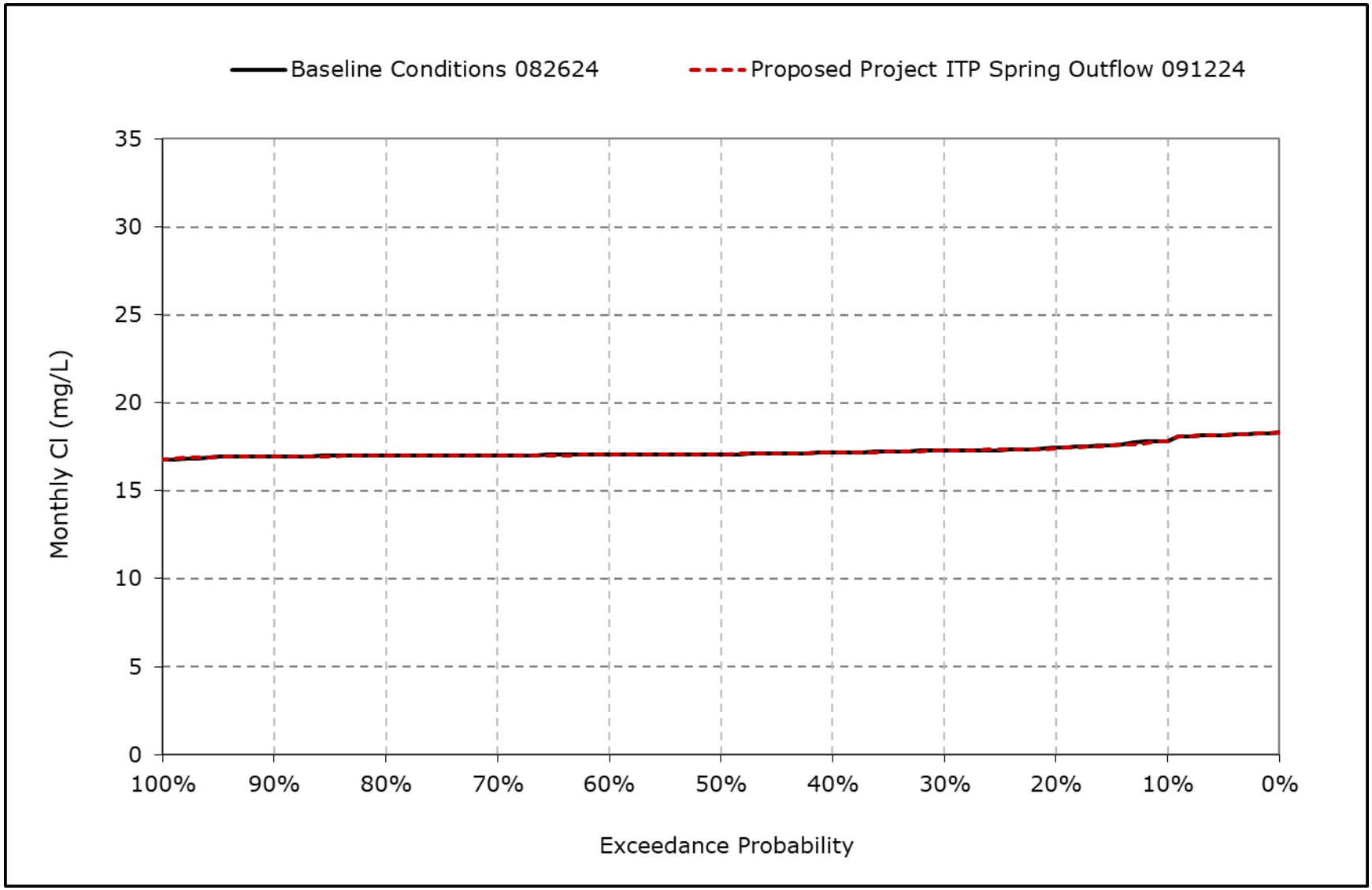
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4L-8-13q. North Bay Aqueduct Chloride, August Cl



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

Figure 4L-8-13r. North Bay Aqueduct Chloride, September Cl



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