Appendix 4B

Attachment 6: Electrical Conductivity Results (DSM2)

Appendix 4B
Attachment 6: Electrical Conductivity Results (DSM2)

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

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

Title	Model Parameter	Table Numbers	Figure Numbers
Sac R ds of Steamboat Slough	Sac_DS_STMBTSL	4B-6-1-1a to 4B-6-1-1c	4B-6-1a to 4B-6-1r
Cache Slough at Ryer Island	CACHE_RYER	4B-6-2-1a to 4B-6-2-1c	4B-6-2a to 4B-6-2r
Sac R ds of Georgiana Slough	RSAC123	4B-6-3-1a to 4B-6-3-1c	4B-6-3a to 4B-6-3r
Sac R at Rio Vista	RSAC101	4B-6-4-1a to 4B-6-4-1c	4B-6-4a to 4B-6-4r
Sac R at Emmaton	RSAC092	4B-6-5-1a to 4B-6-5-1c	4B-6-5a to 4B-6-5r
Sac R at Collinsville	RSAC081	4B-6-6-1a to 4B-6-6-1c	4B-6-6a to 4B-6-6r
Sac R at Mallard Slough	RSAC075	4B-6-7-1a to 4B-6-7-1c	4B-6-7a to 4B-6-7r
Chipps Island North Channel	CHIPS_N_437	4B-6-8-1a to 4B-6-8-1c	4B-6-8a to 4B-6-8r
Chipps Island South Channel	CHIPS_S_442	4B-6-9-1a to 4B-6-9-1c	4B-6-9a to 4B-6-9r
Sac R at Port Chicago	RSAC064	4B-6-10-1a to 4B-6-10-1c	4B-6-10a to 4B-6-10r
SJR at Antioch	RSAN007	4B-6-11-1a to 4B-6-11-1c	4B-6-11a to 4B-6-11r
SJR at Jersey Point	RSAN018	4B-6-12-1a to 4B-6-12-1c	4B-6-12a to 4B-6-12r
SJR at San Andreas	RSAN032	4B-6-13-1a to 4B-6-13-1c	4B-6-13a to 4B-6-13r
SJR at Prisoners Point	RSAN037	4B-6-14-1a to 4B-6-14-1c	4B-6-14a to 4B-6-14r
Old River at Rock Slough	ROLD024	4B-6-15-1a to 4B-6-15-1c	4B-6-15a to 4B-6-15r
Banks Pumping Plant South Delta Exports	CLIFTONCOURT	4B-6-16-1a to 4B-6-16-1c	4B-6-16a to 4B-6-16r
Jones Pumping Plant South Delta Exports	CHDMC006	4B-6-17-1a to 4B-6-17-1c	4B-6-17a to 4B-6-17r
Old River at Highway 4	ROLD034	4B-6-18-1a to 4B-6-18-1c	4B-6-18a to 4B-6-18r
Victoria Canal	CHVCT000	4B-6-19-1a to 4B-6-19-1c	4B-6-19a to 4B-6-19r
Montezuma Slough at Hunter Cut	SLMZU003	4B-6-20-1a to 4B-6-20-1c	4B-6-20a to 4B-6-20r
Montezuma Slough at Beldons Landing	SLMZU011	4B-6-21-1a to 4B-6-21-1c	4B-6-21a to 4B-6-21r
Montezuma Slough at National Steel	SLMZU025	4B-6-22-1a to 4B-6-22-1c	4B-6-22a to 4B-6-22r
Suisun Bay near Ryer	RYC	4B-6-23-1a to 4B-6-23-1c	4B-6-23a to 4B-6-23r
Goodyear Slough Outfall at Naval Fleet	GYS	4B-6-24-1a to 4B-6-24-1c	4B-6-24a to 4B-6-24r
Three Mile Slough	3MILE_SL	4B-6-25-1a to 4B-6-25-1c	4B-6-25a to 4B-6-25r

Report formats:

- Monthly tables comparing two scenarios (exceedance values, long-term average, and average by water year type).
- Monthly pattern charts (long-term average and average by water year type) including all scenarios.
- Monthly exceedance charts (all months) including all scenarios.

Table 4B-6-1-1a. Sacramento River downstream of Steamboat Slough Salinity, Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	177	178	178	179	178	176	176	176	175	175	175
20% Exceedance	176	177	177	178	179	177	176	176	175	175	175	175
30% Exceedance	176	176	177	177	178	177	176	176	175	175	175	175
40% Exceedance	176	176	177	177	178	177	176	175	175	175	175	175
50% Exceedance	175	176	177	177	177	177	176	175	175	175	175	175
60% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
70% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
80% Exceedance	175	176	176	176	176	176	176	175	175	175	175	175
90% Exceedance	175	176	176	176	176	176	175	175	175	175	175	175
Full Simulation Period Average[a]	176	176	177	177	178	177	176	175	175	175	175	175
Wet Water Years (30%)	176	176	176	176	176	176	176	175	175	175	175	175
Above Normal Years (11%)	176	176	177	177	177	176	176	175	175	175	175	175
Below Normal Years (21%)	176	176	177	177	178	177	176	175	175	175	175	175
Dry Water Years (22%)	175	176	177	177	178	177	176	176	175	175	175	175
Critical Water Years (16%)	176	176	177	177	179	178	176	176	176	175	175	175

Table 4B-6-1-1b. Sacramento River downstream of Steamboat Slough Salinity, Proposed Project 021624, Monthly EC (UMHOS/CM)

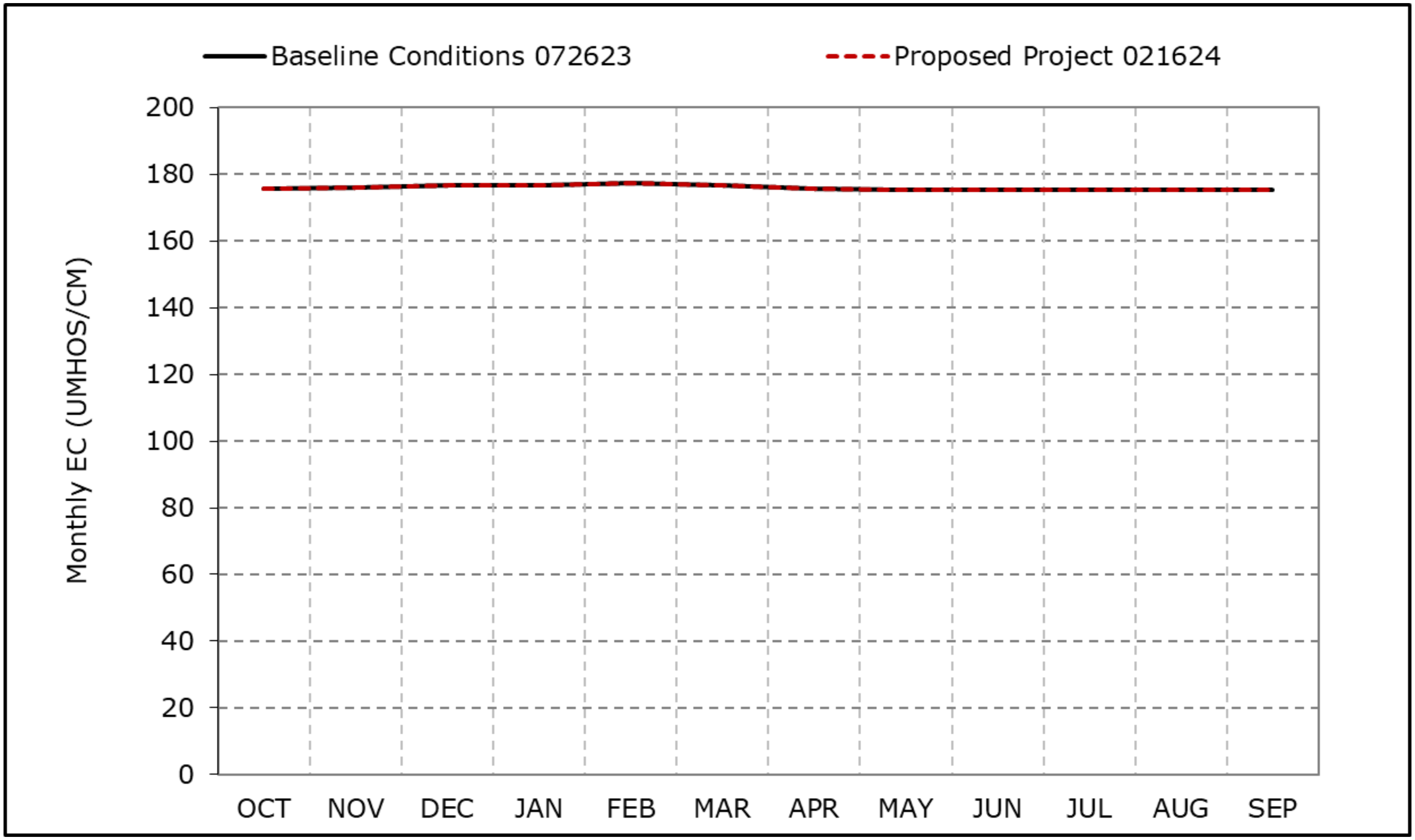
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	177	178	178	179	178	176	176	176	175	175	175
20% Exceedance	176	177	177	178	179	177	176	176	175	175	175	175
30% Exceedance	176	176	177	177	178	177	176	176	175	175	175	175
40% Exceedance	176	176	177	177	178	177	176	175	175	175	175	175
50% Exceedance	175	176	177	177	177	177	176	175	175	175	175	175
60% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
70% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
80% Exceedance	175	176	176	176	176	176	176	175	175	175	175	175
90% Exceedance	175	176	176	176	176	176	175	175	175	175	175	175
Full Simulation Period Average[a]	176	176	177	177	178	177	176	175	175	175	175	175
Wet Water Years (30%)	176	176	176	176	176	176	176	175	175	175	175	175
Above Normal Years (11%)	176	176	177	177	177	176	176	175	175	175	175	175
Below Normal Years (21%)	176	176	177	177	178	177	176	175	175	175	175	175
Dry Water Years (22%)	175	176	177	177	178	177	176	175	175	175	175	175
Critical Water Years (16%)	176	176	177	177	179	178	176	176	176	175	175	175

Table 4B-6-1-1c. Sacramento River downstream of Steamboat Slough Salinity, Proposed Project 021624 minus Baseline Conditions 072623, Monthly EC (UMHOS/CM)

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 (30%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Years (11%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Years (21%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (16%)	0	0	0	0	0	0	0	0	0	0	0	0

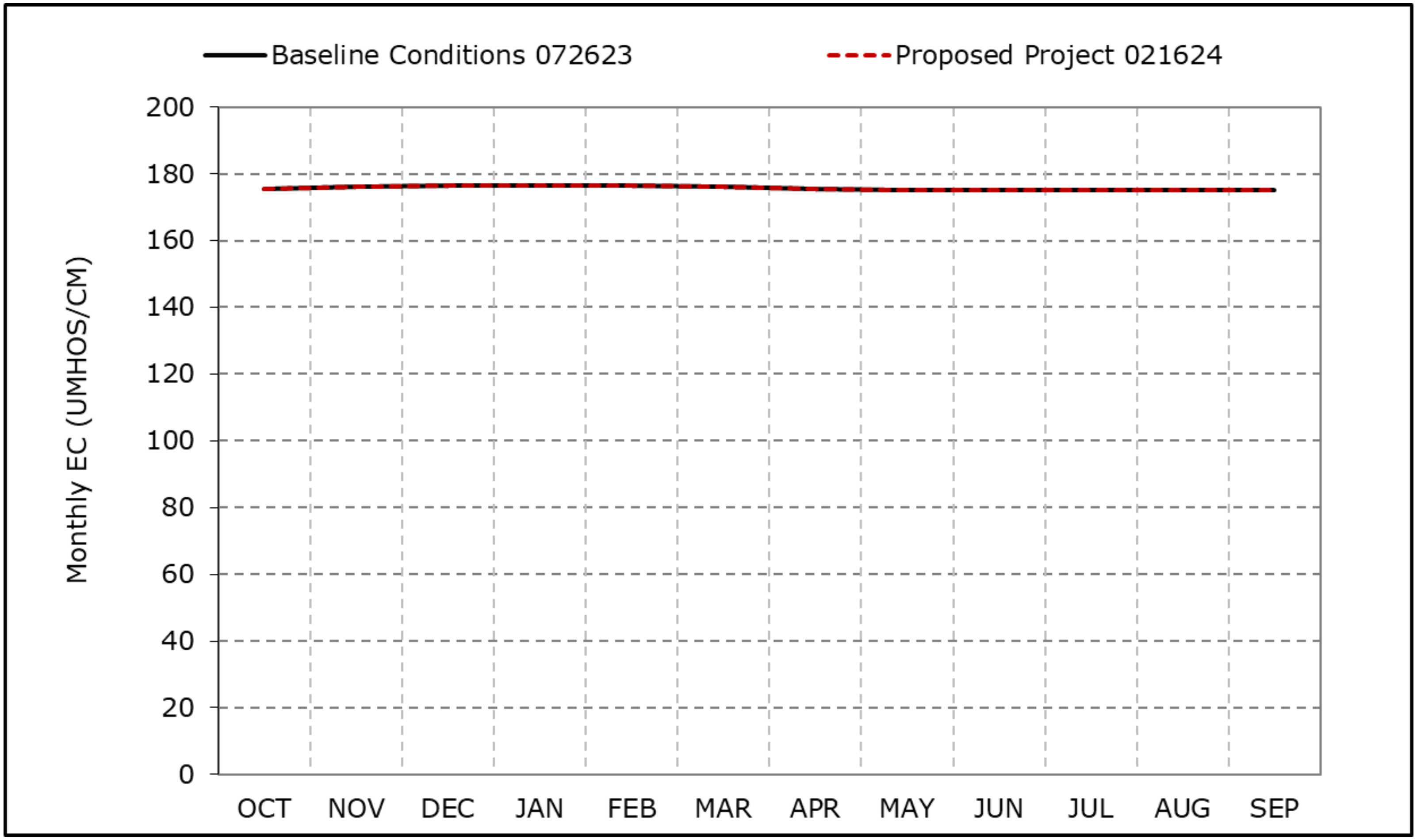
[a] Based on the 100-year simulation period.
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-6-1a. Sacramento River downstream of Steamboat Slough Salinity, Long-Term Average EC



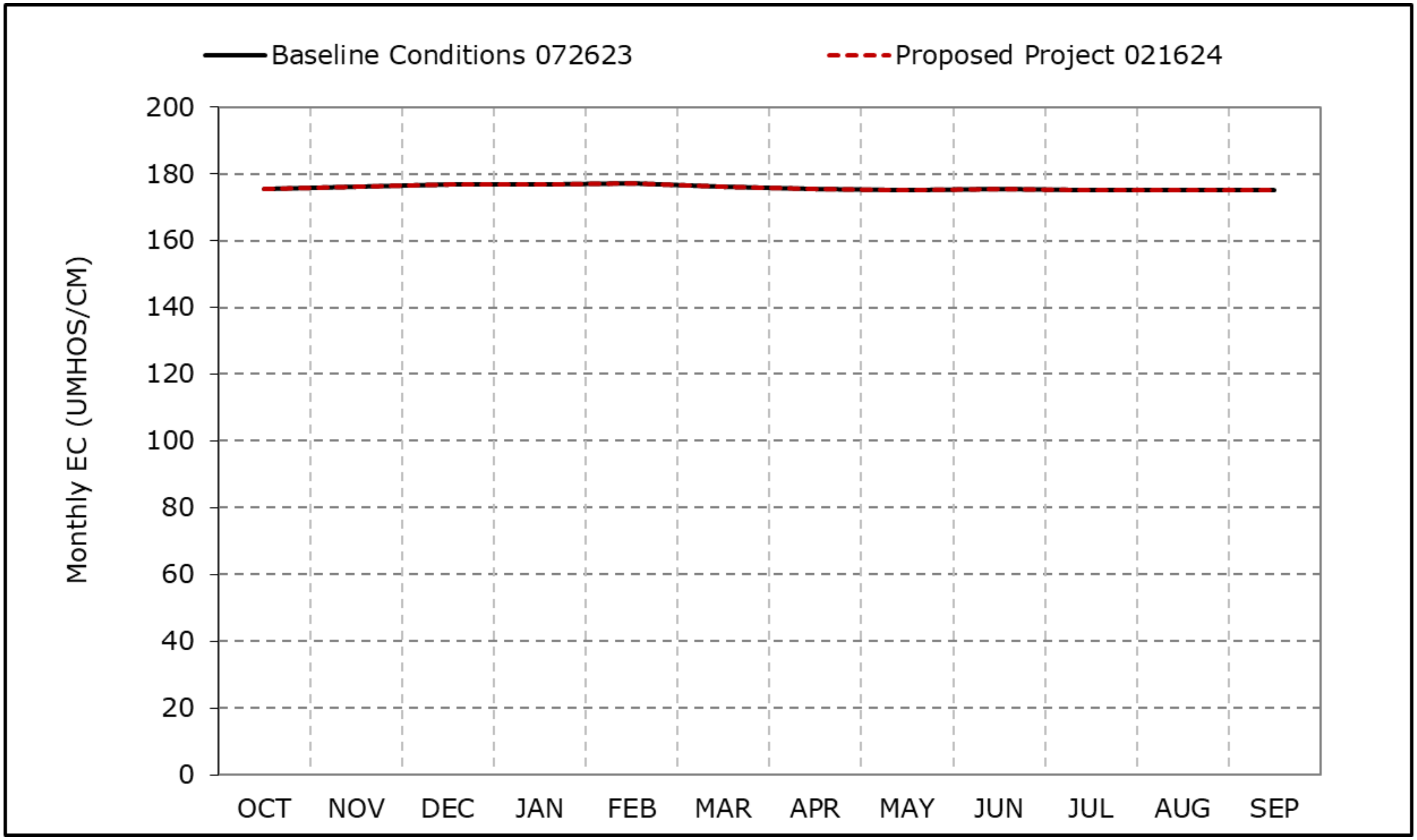
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-1b. Sacramento River downstream of Steamboat Slough Salinity, Wet Year Average EC



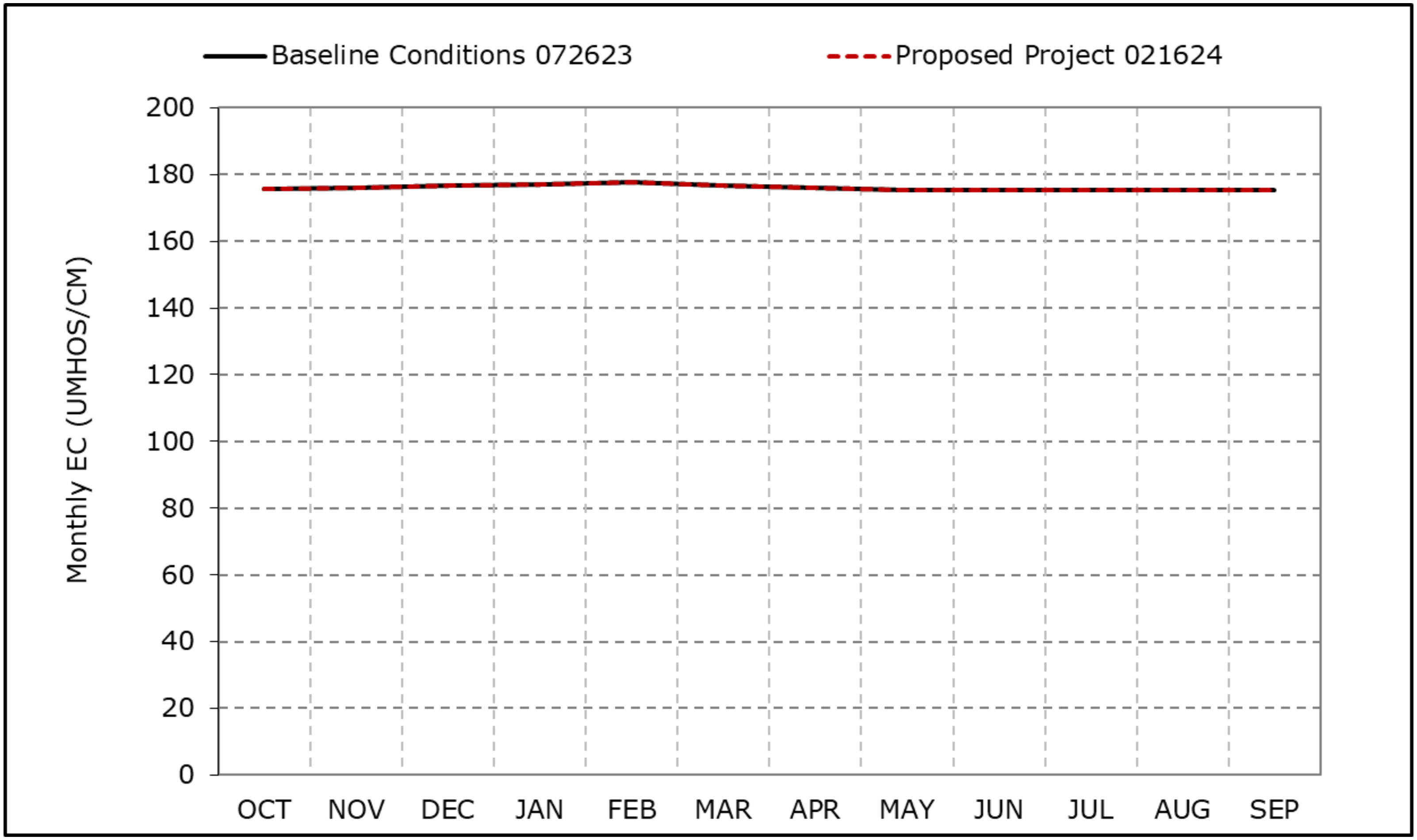
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-1c. Sacramento River downstream of Steamboat Slough Salinity, Above Normal Year Average EC



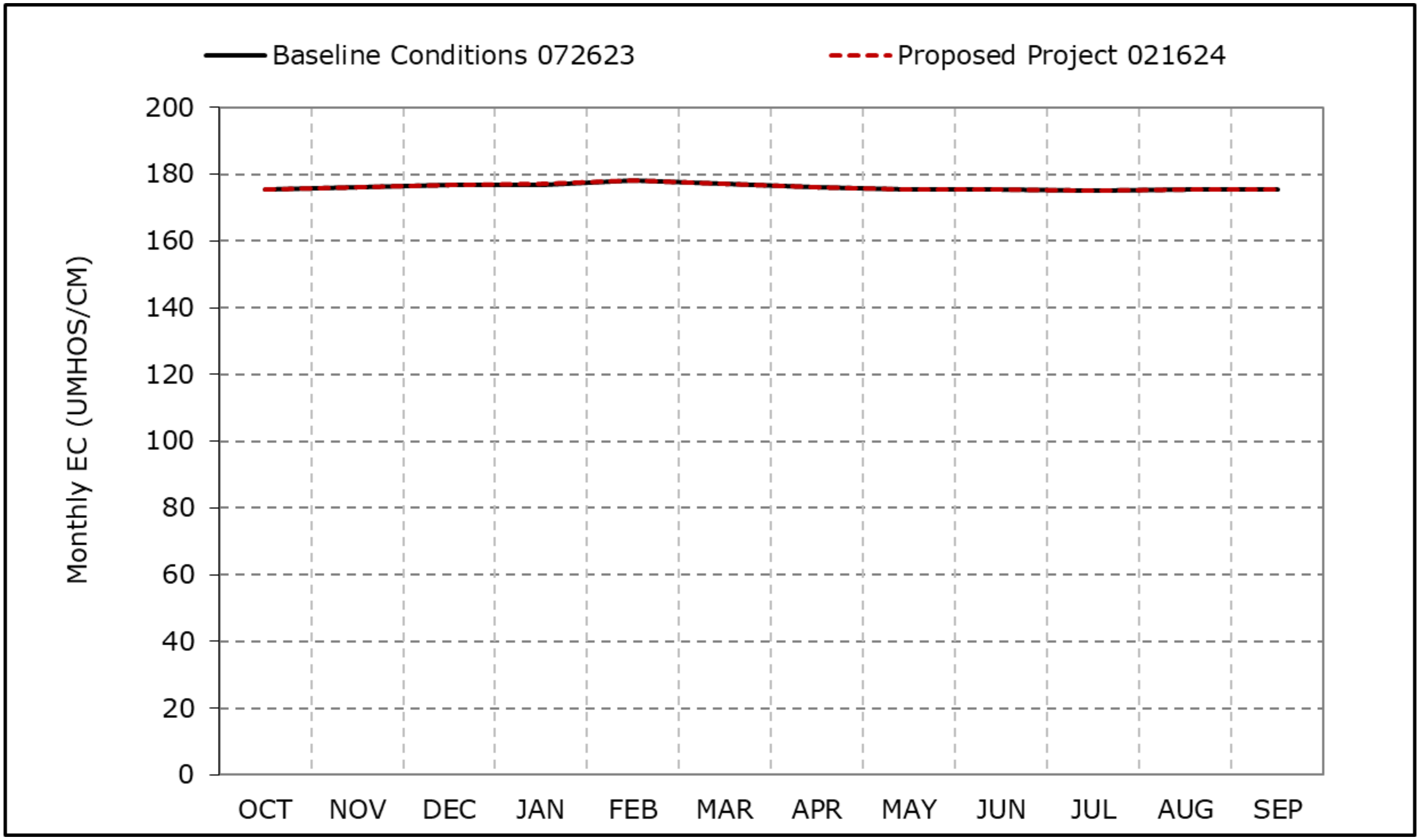
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-1d. Sacramento River downstream of Steamboat Slough Salinity, Below Normal Year Average EC



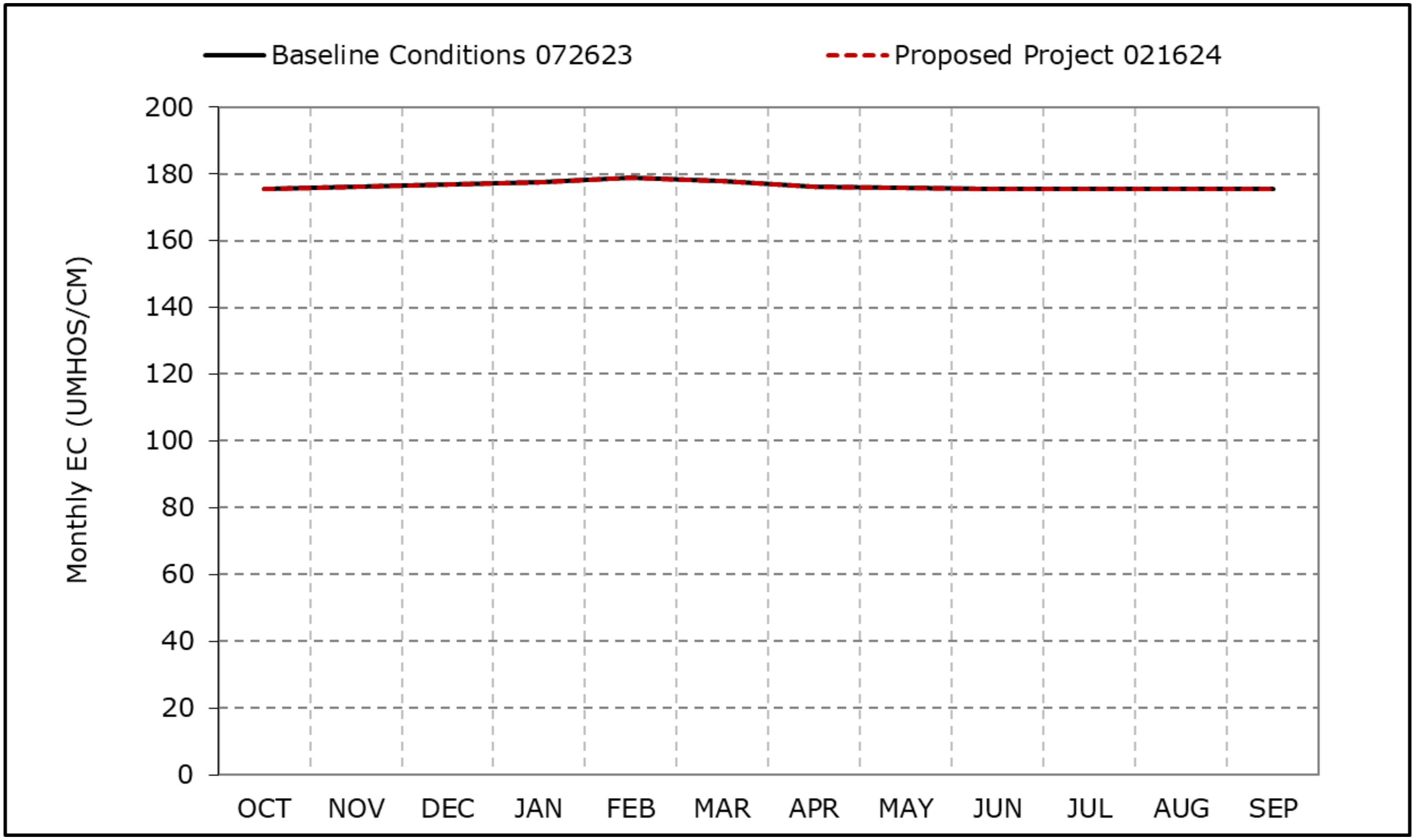
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-1e. Sacramento River downstream of Steamboat Slough Salinity, Dry Year Average EC



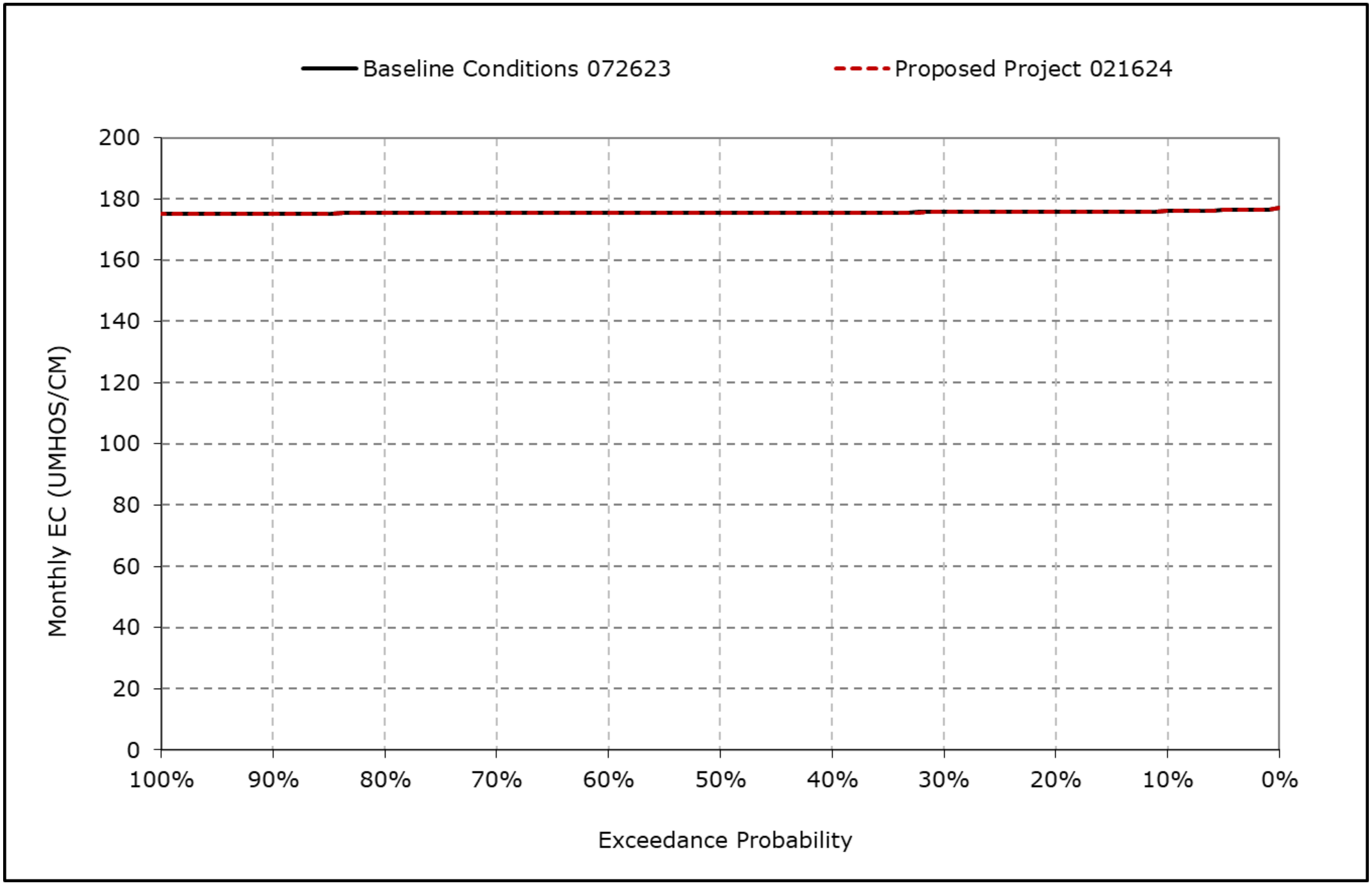
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-1f. Sacramento River downstream of Steamboat Slough Salinity, Critical Year Average EC



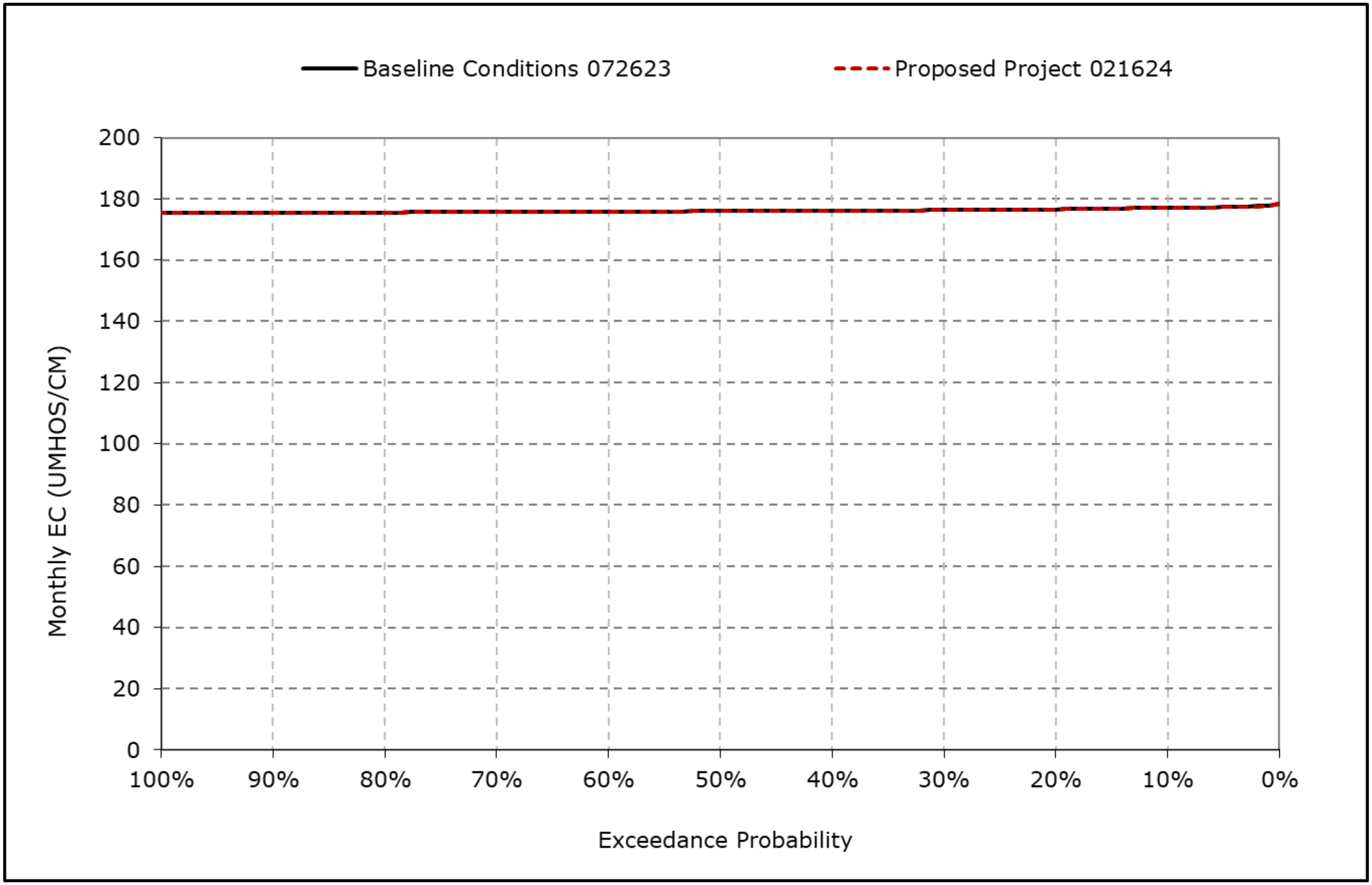
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-1g. Sacramento River downstream of Steamboat Slough Salinity, October EC



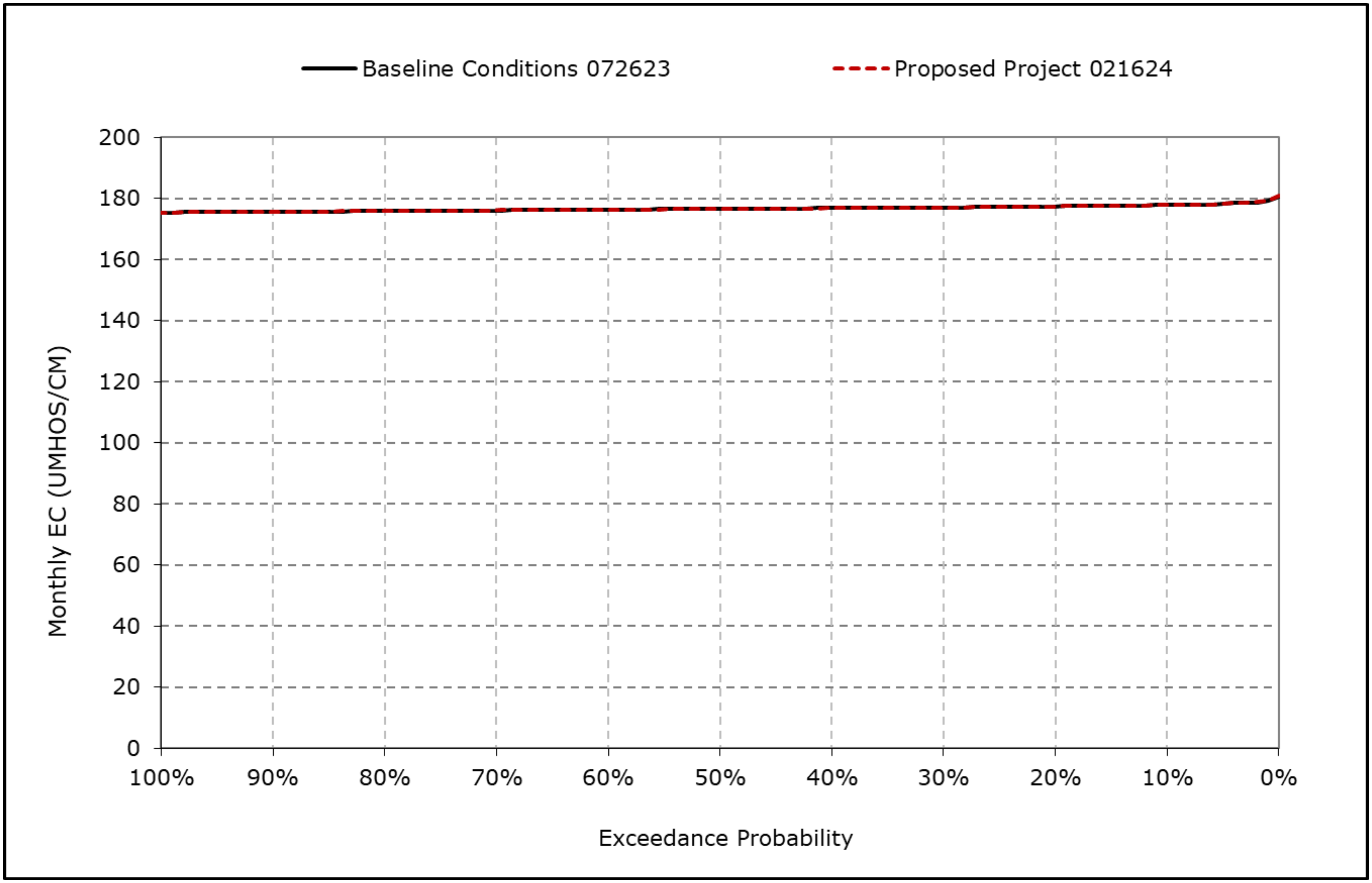
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-1h. Sacramento River downstream of Steamboat Slough Salinity, November EC



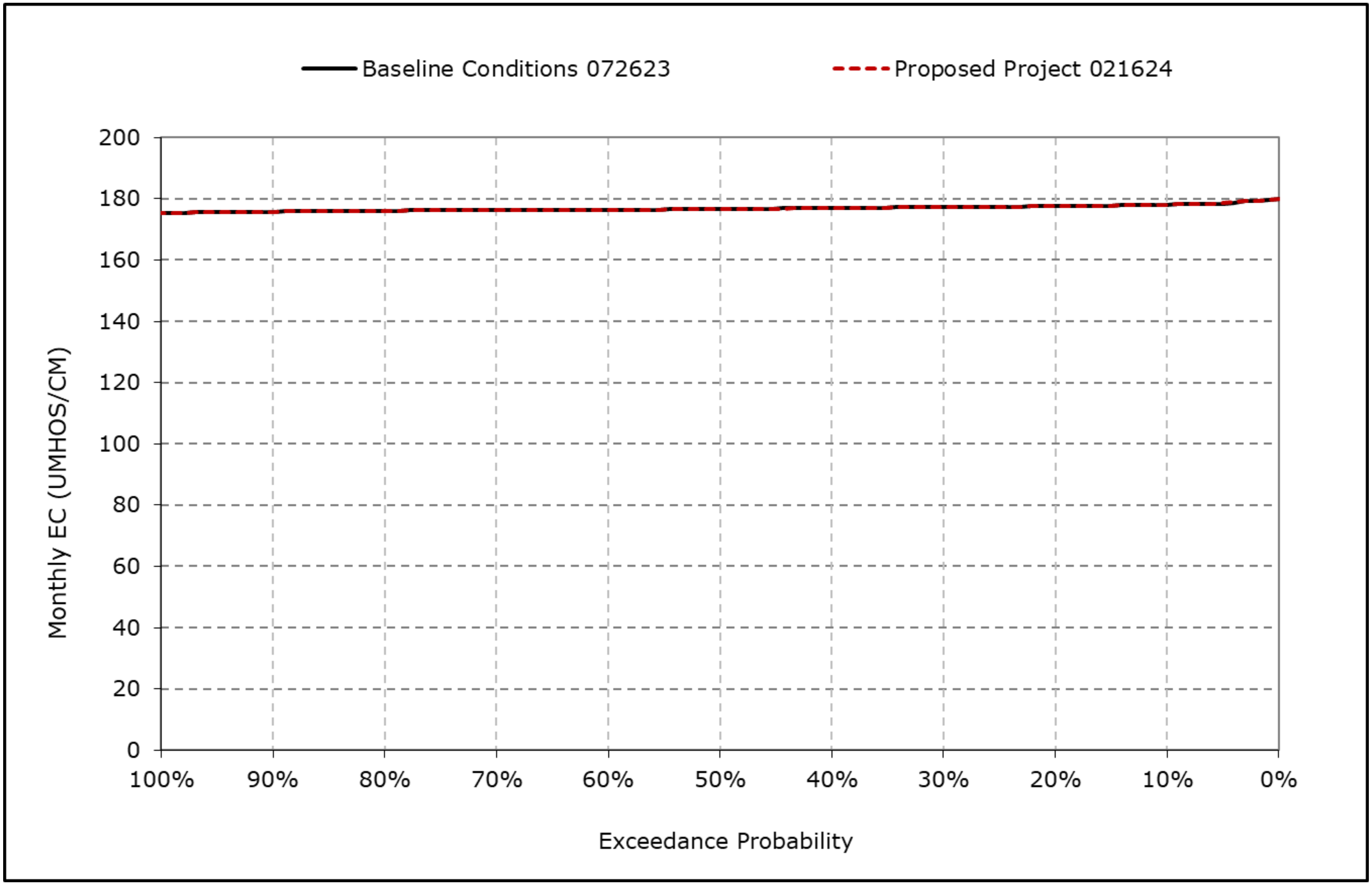
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-1i. Sacramento River downstream of Steamboat Slough Salinity, December EC



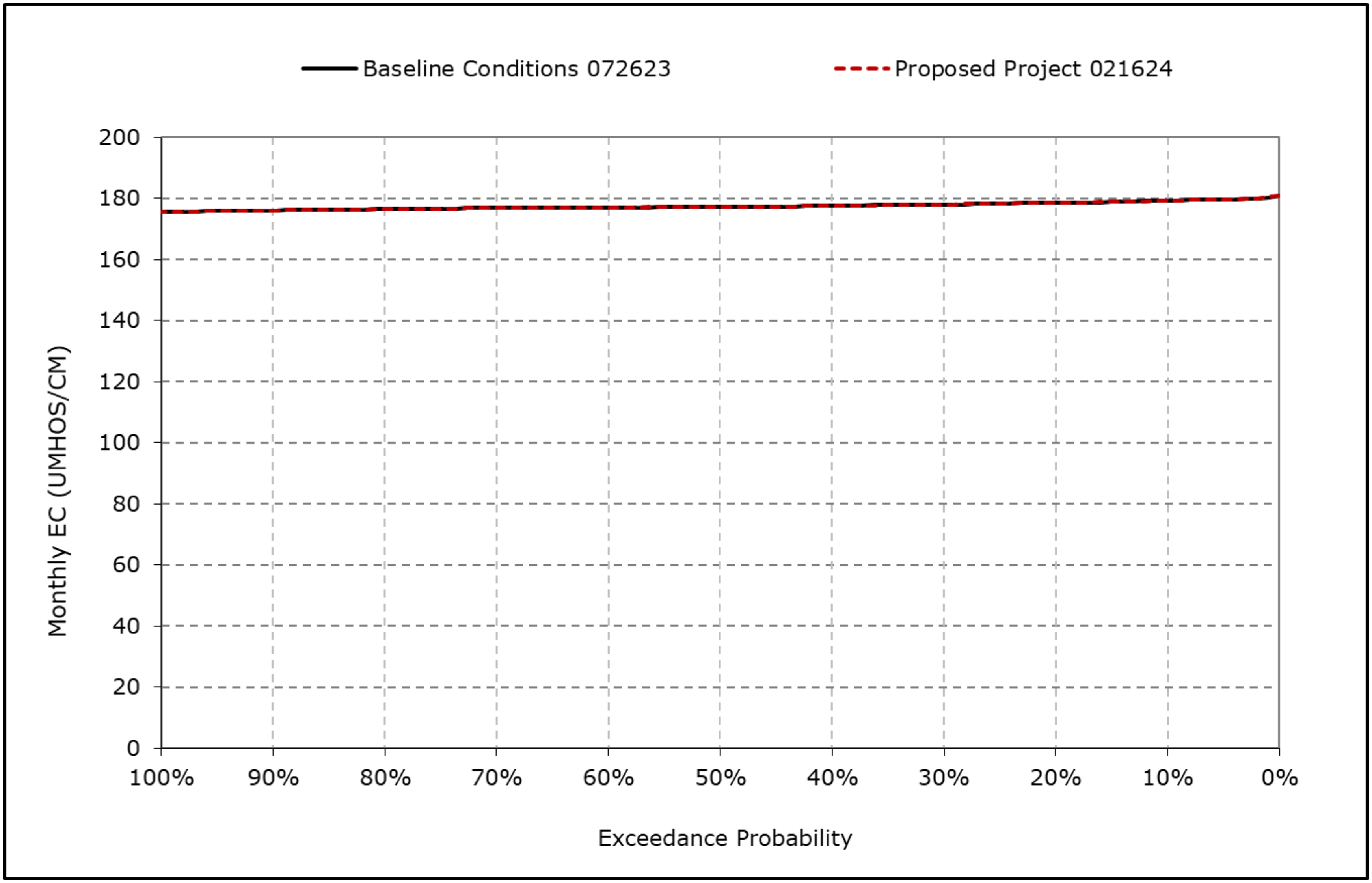
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-1j. Sacramento River downstream of Steamboat Slough Salinity, January EC



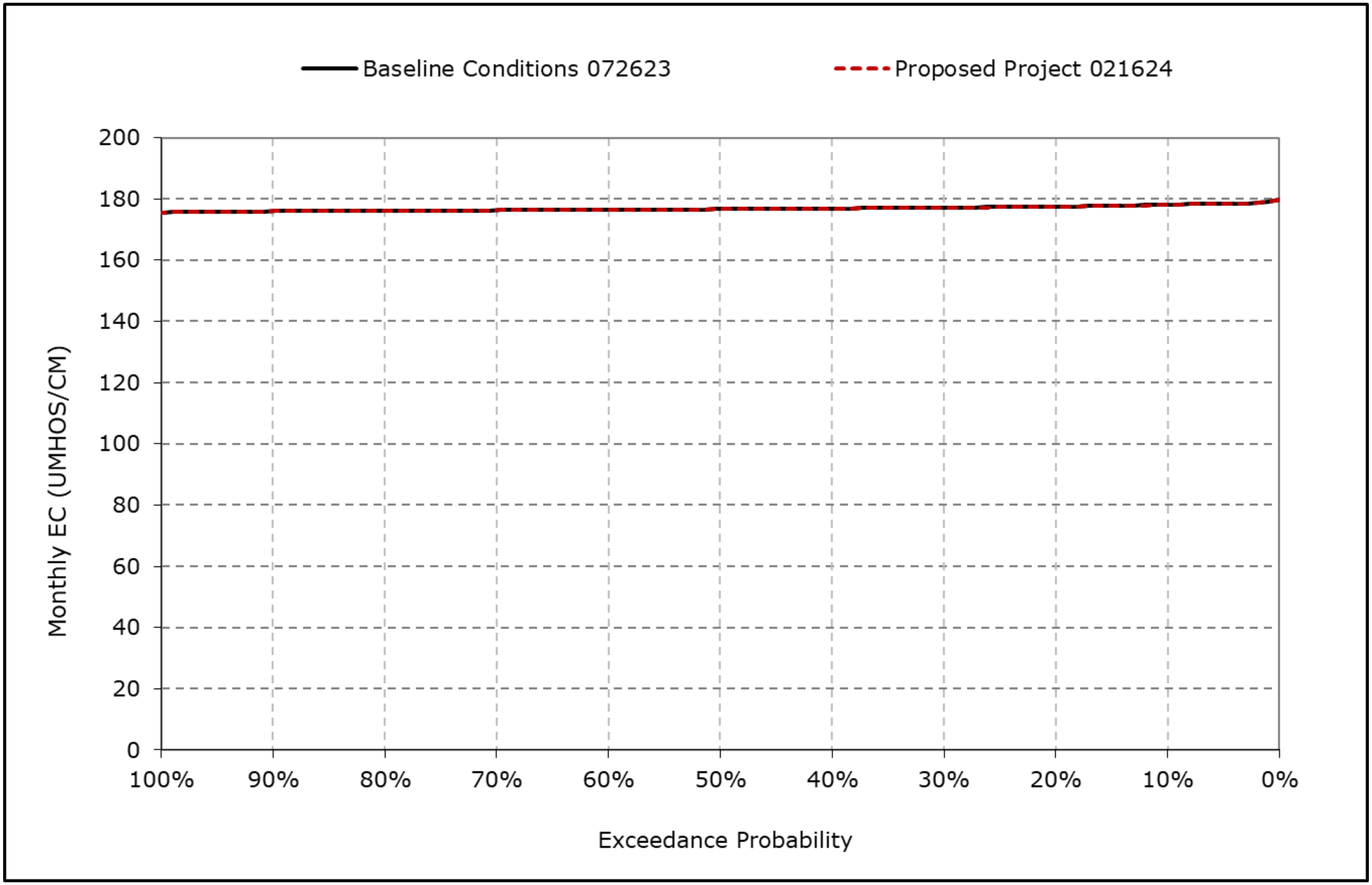
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-1k. Sacramento River downstream of Steamboat Slough Salinity, February EC



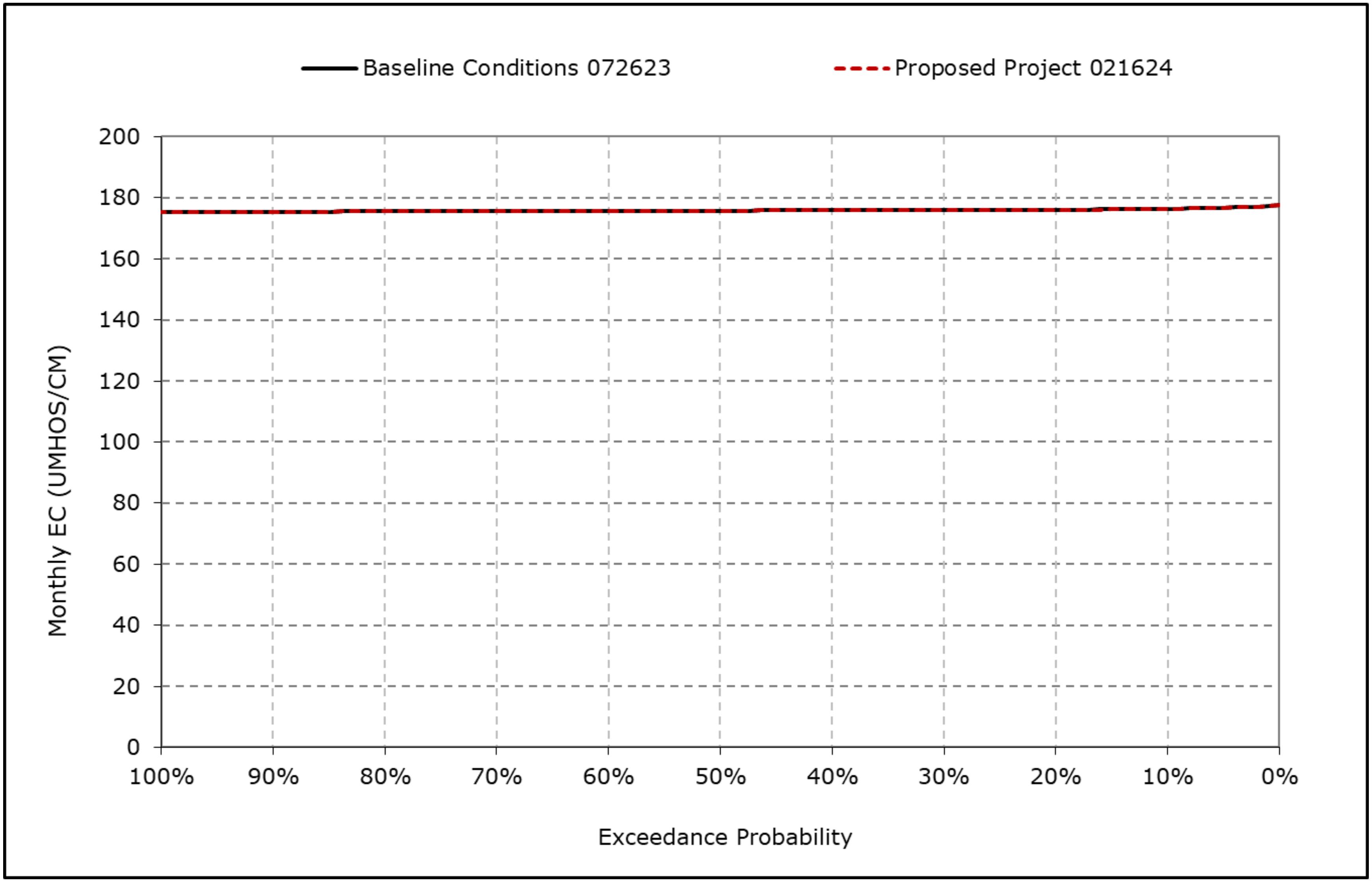
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-1l. Sacramento River downstream of Steamboat Slough Salinity, March EC



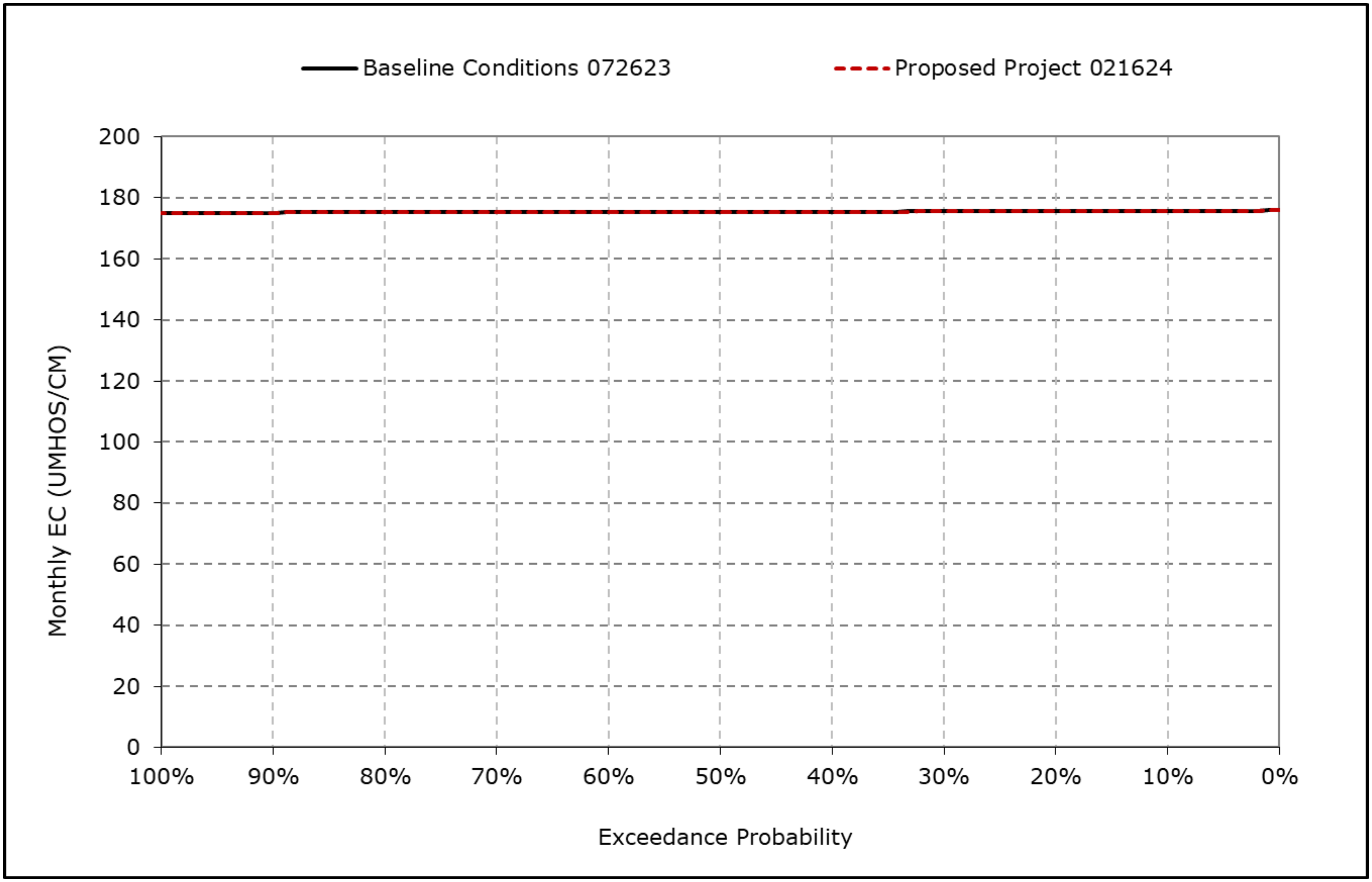
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-1m. Sacramento River downstream of Steamboat Slough Salinity, April EC



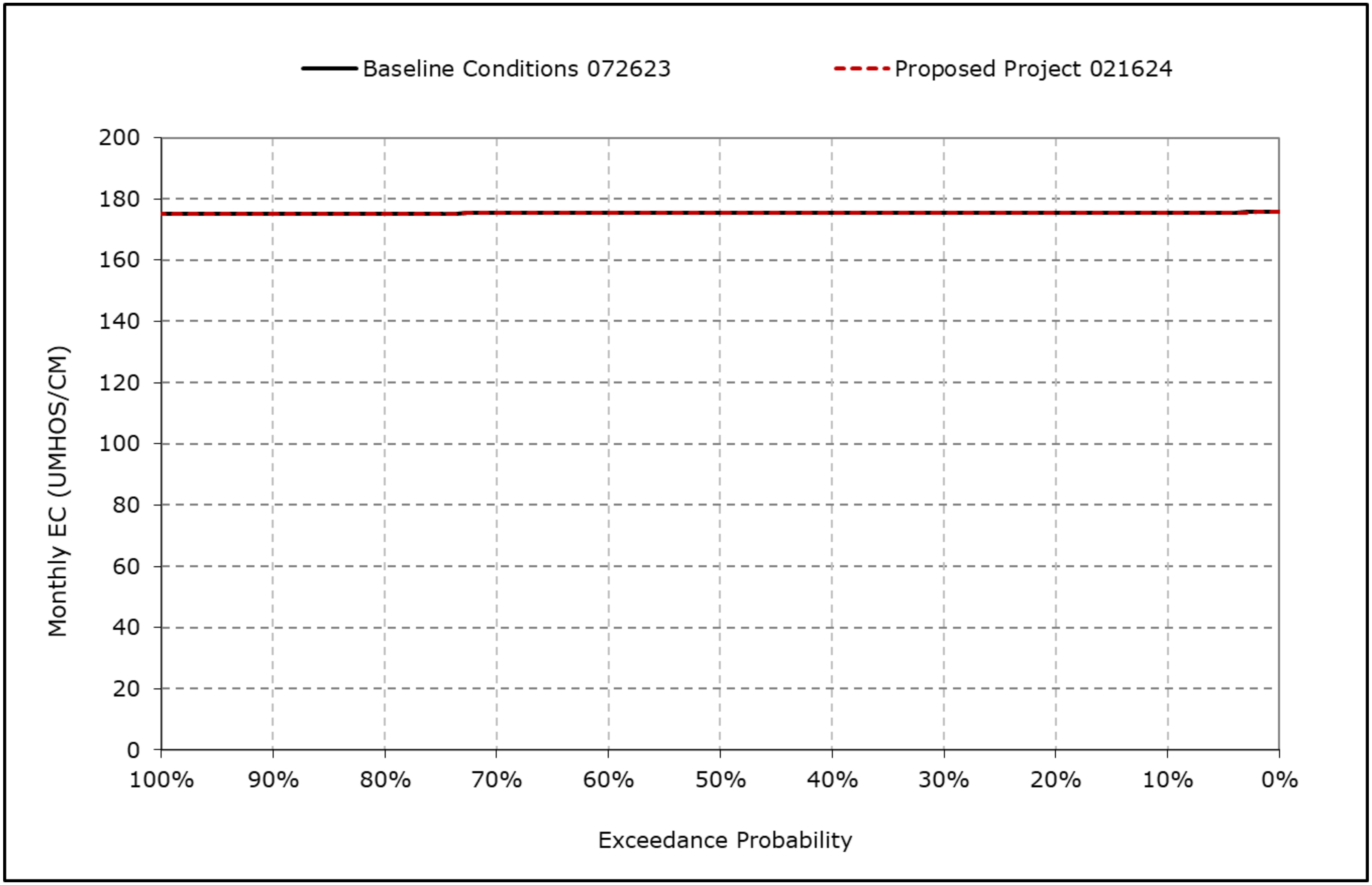
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-1n. Sacramento River downstream of Steamboat Slough Salinity, May EC



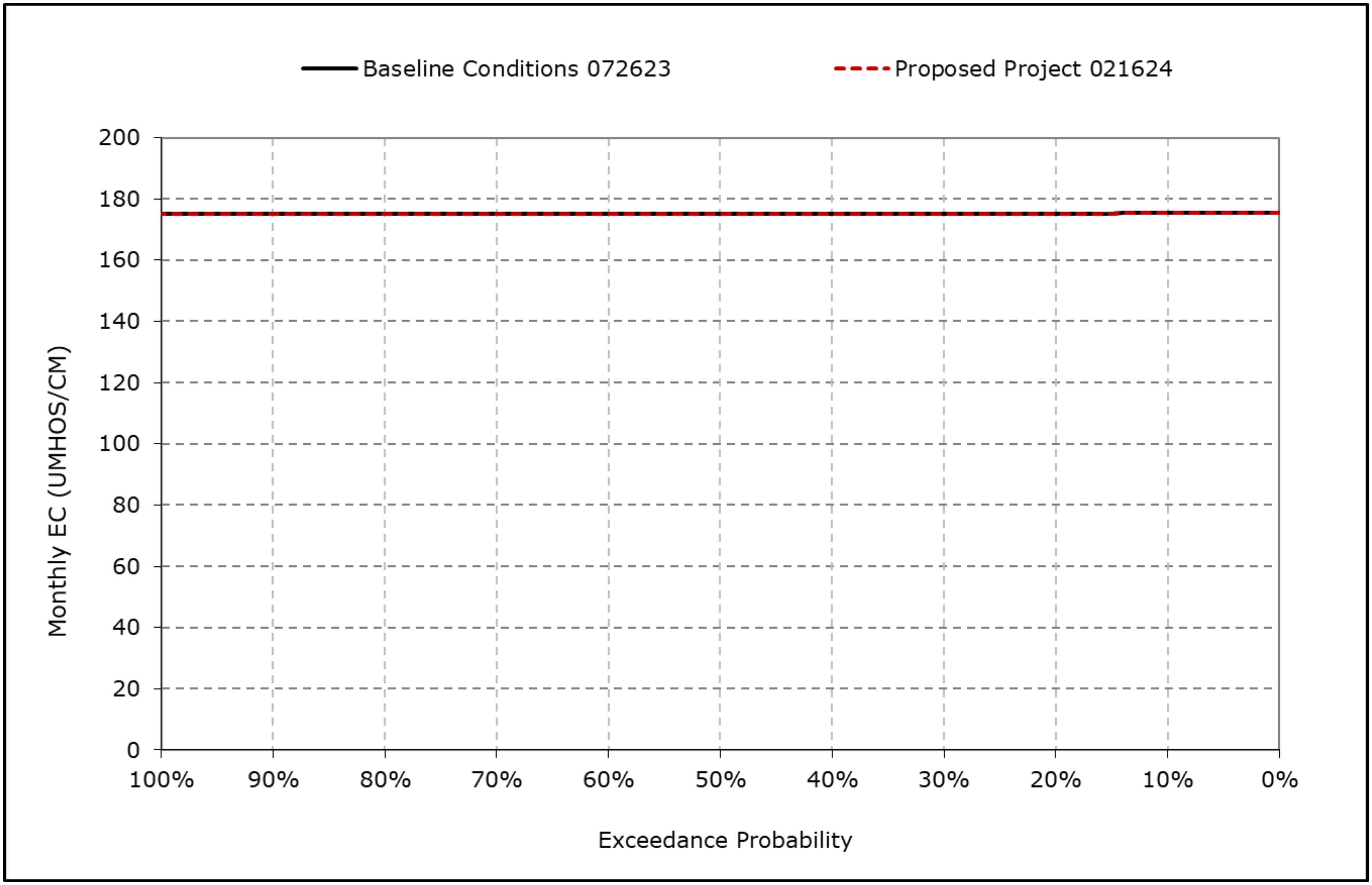
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-1o. Sacramento River downstream of Steamboat Slough Salinity, June EC



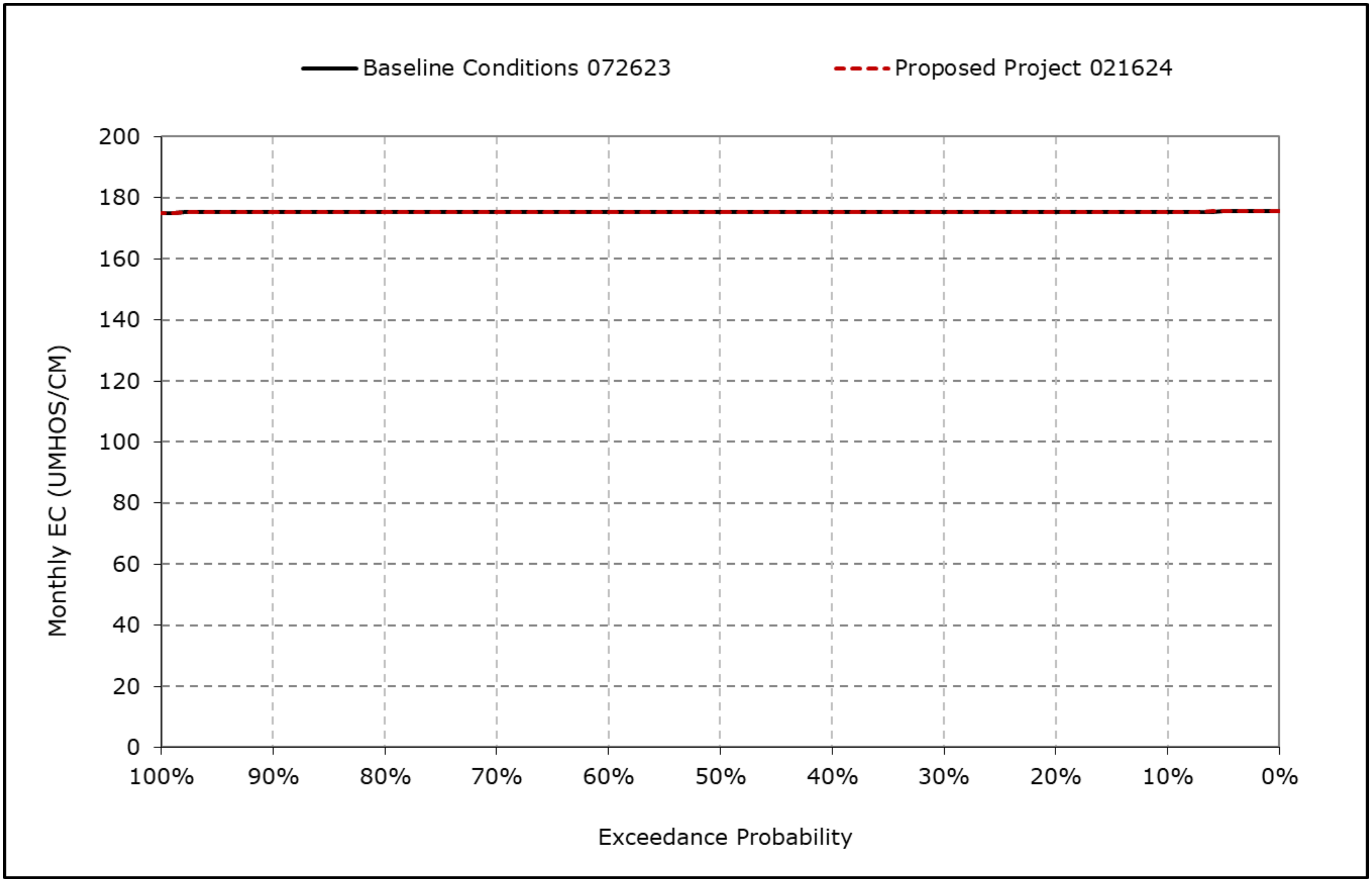
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-1p. Sacramento River downstream of Steamboat Slough Salinity, July EC



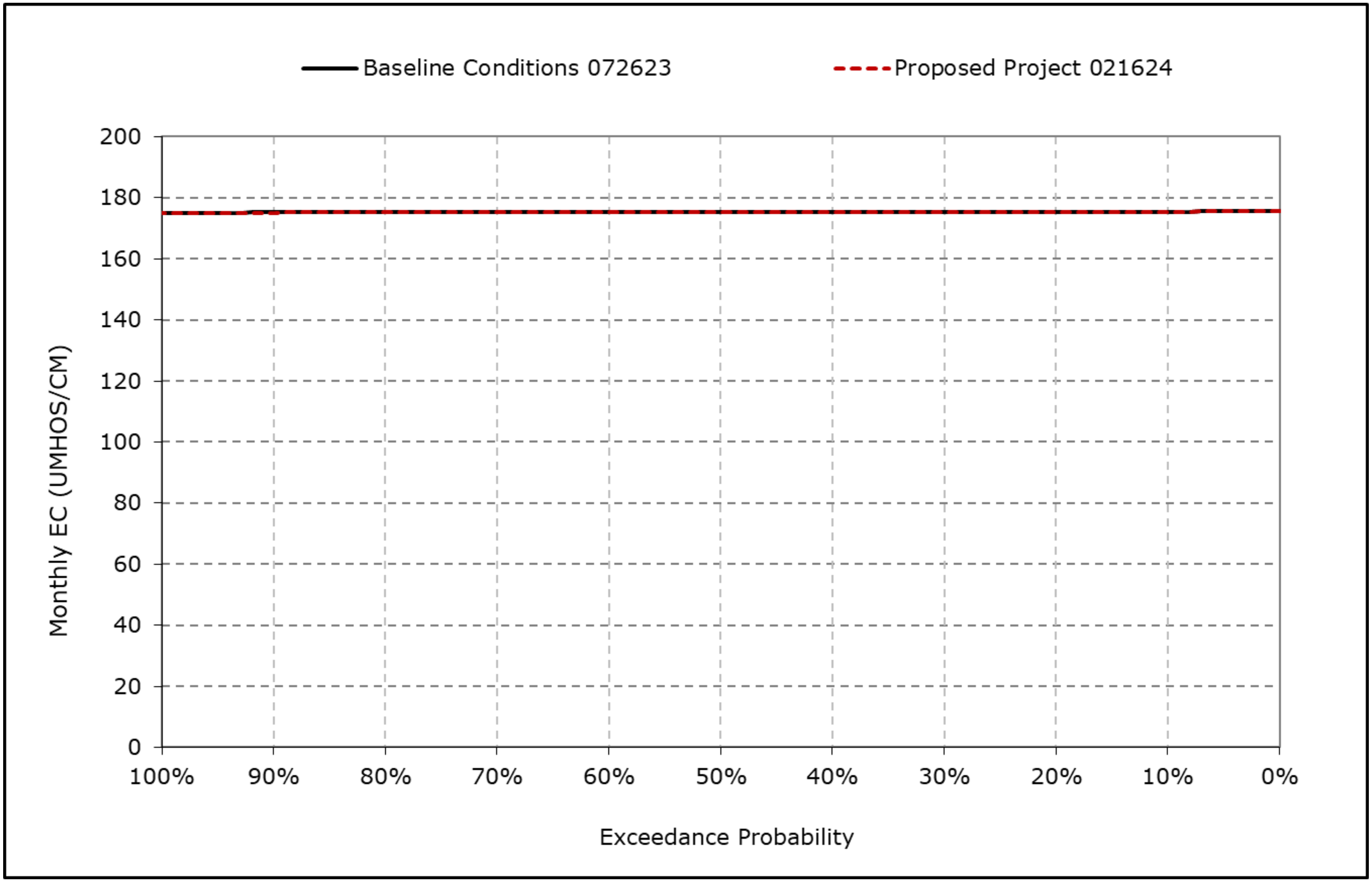
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-1q. Sacramento River downstream of Steamboat Slough Salinity, August EC



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

Figure 4B-6-1r. Sacramento River downstream of Steamboat Slough Salinity, September EC



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

Table 4B-6-2-1a. Cache Slough at Ryer Island Salinity, Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	190	199	194	193	196	195	191	185	186	184	187	187
20% Exceedance	186	191	191	191	194	193	190	184	182	180	183	183
30% Exceedance	184	188	189	189	193	191	188	183	182	180	181	182
40% Exceedance	183	186	187	187	190	190	187	183	182	180	180	181
50% Exceedance	182	185	186	186	188	188	186	182	181	179	179	180
60% Exceedance	180	183	184	185	186	185	184	181	181	179	179	179
70% Exceedance	180	182	183	184	184	183	183	180	180	179	179	179
80% Exceedance	180	181	182	181	181	181	182	179	179	179	179	179
90% Exceedance	179	181	180	179	180	180	180	178	178	179	179	179
Full Simulation Period Average[a]	183	187	187	187	188	188	186	182	182	180	181	181
Wet Water Years (30%)	182	184	183	182	181	182	181	179	179	179	179	179
Above Normal Years (11%)	184	188	188	186	186	184	183	180	180	179	179	179
Below Normal Years (21%)	183	185	187	188	190	188	186	182	181	179	179	180
Dry Water Years (22%)	183	186	187	189	192	191	188	183	182	180	182	183
Critical Water Years (16%)	187	194	191	192	195	195	190	186	187	186	189	187

Table 4B-6-2-1b. Cache Slough at Ryer Island Salinity, Proposed Project 021624, Monthly EC (UMHOS/CM)

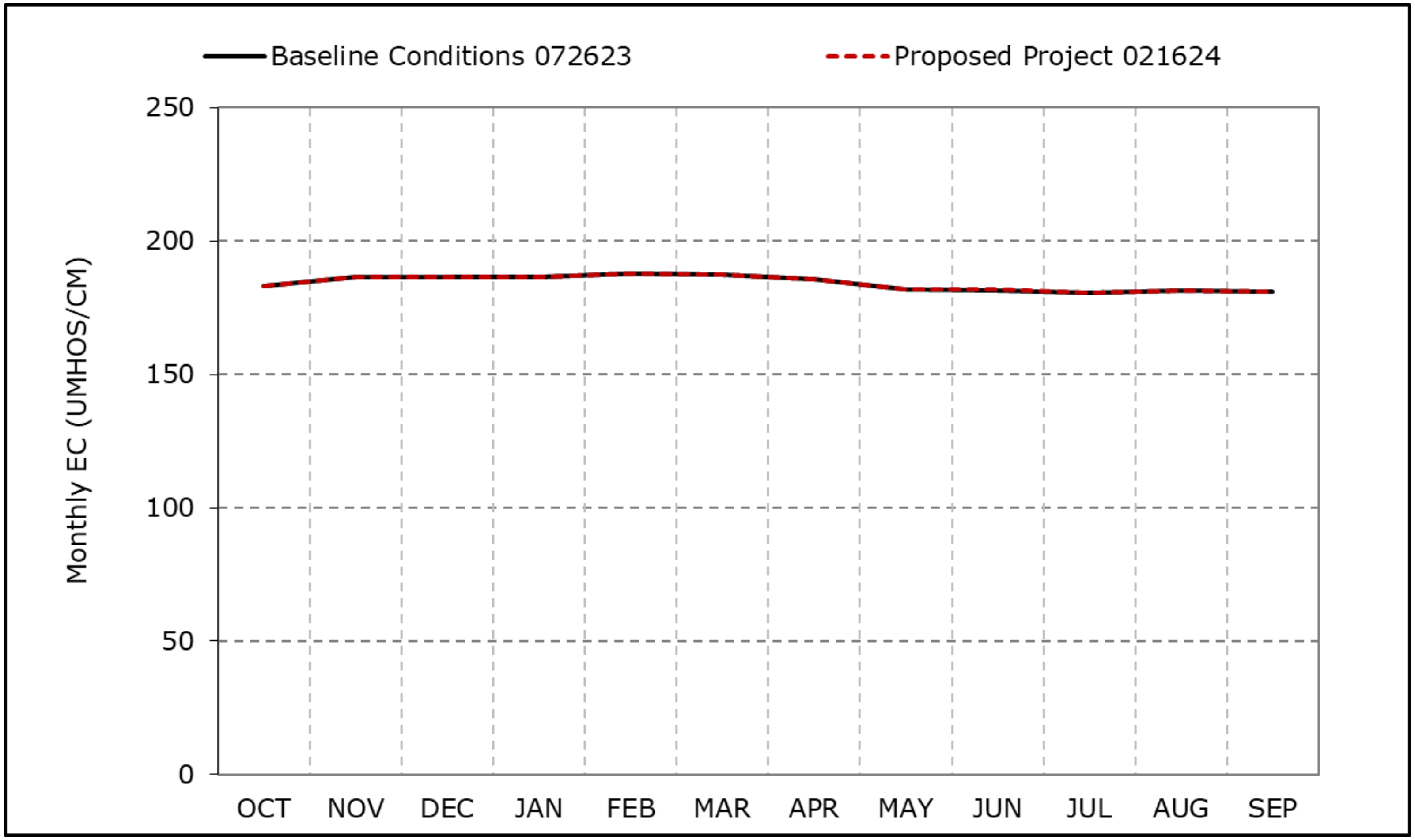
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	190	199	194	194	196	195	191	186	187	184	188	187
20% Exceedance	186	191	191	192	194	193	189	184	182	180	183	184
30% Exceedance	184	188	189	189	193	191	188	183	182	180	181	182
40% Exceedance	183	186	187	187	190	190	187	183	182	180	180	181
50% Exceedance	182	185	186	186	188	188	186	182	181	179	179	179
60% Exceedance	180	183	184	185	186	185	184	181	181	179	179	179
70% Exceedance	180	182	183	184	184	183	183	180	180	179	179	179
80% Exceedance	179	181	182	181	181	182	182	179	179	179	179	179
90% Exceedance	179	181	180	179	179	180	180	178	178	179	179	179
Full Simulation Period Average[a]	183	187	186	187	188	188	186	182	182	180	181	181
Wet Water Years (30%)	182	184	183	182	181	182	181	179	179	179	179	179
Above Normal Years (11%)	184	188	188	186	186	184	183	180	180	179	179	179
Below Normal Years (21%)	183	185	187	188	190	188	186	182	181	179	179	180
Dry Water Years (22%)	183	186	187	189	192	191	188	183	182	180	182	183
Critical Water Years (16%)	187	194	190	192	195	195	190	186	188	186	189	187

Table 4B-6-2-1c. Cache Slough at Ryer Island Salinity, Proposed Project 021624 minus Baseline Conditions 072623, Monthly EC (UMHOS/CM)

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

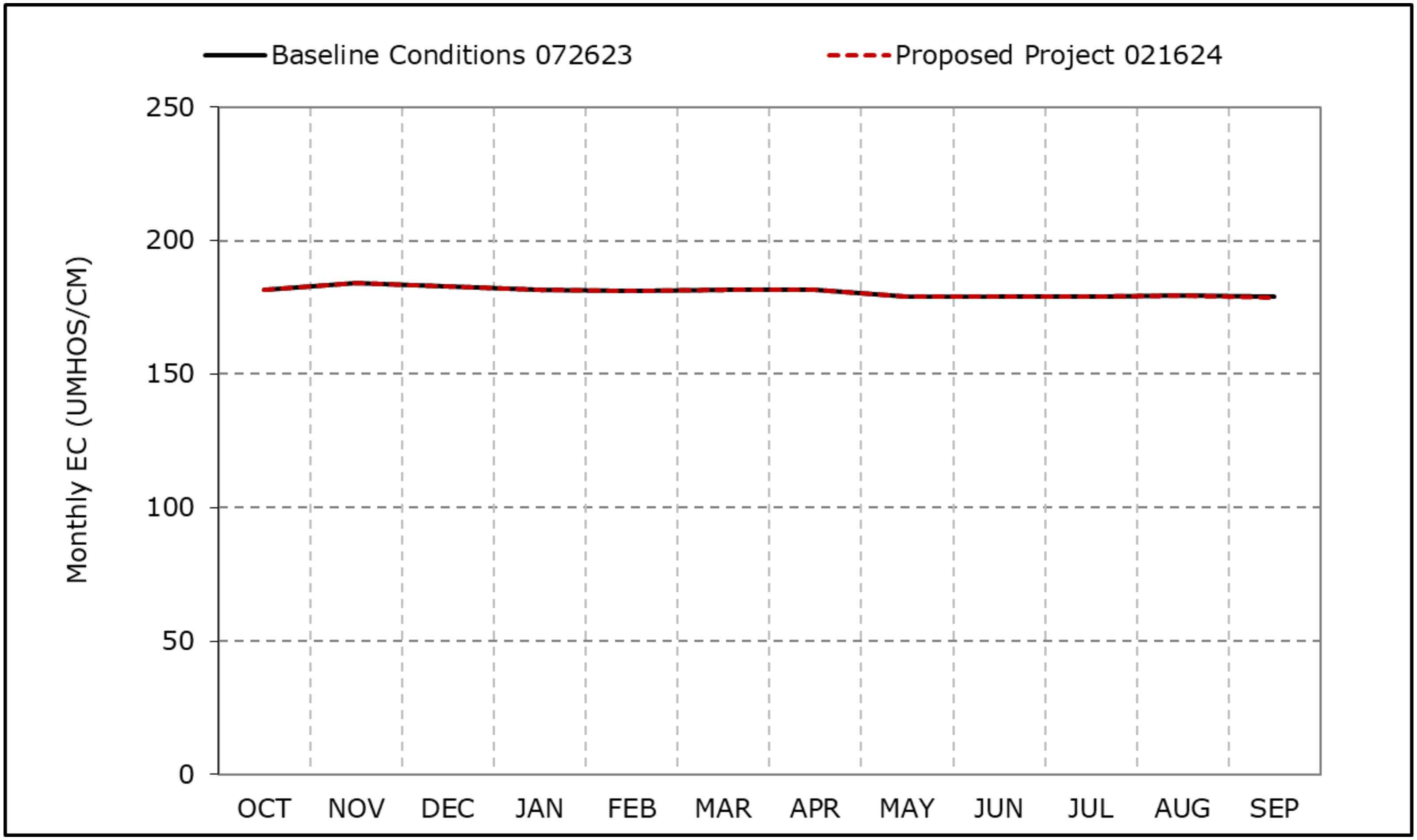
[a] Based on the 100-year simulation period.
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-6-2a. Cache Slough at Ryer Island Salinity, Long-Term Average EC



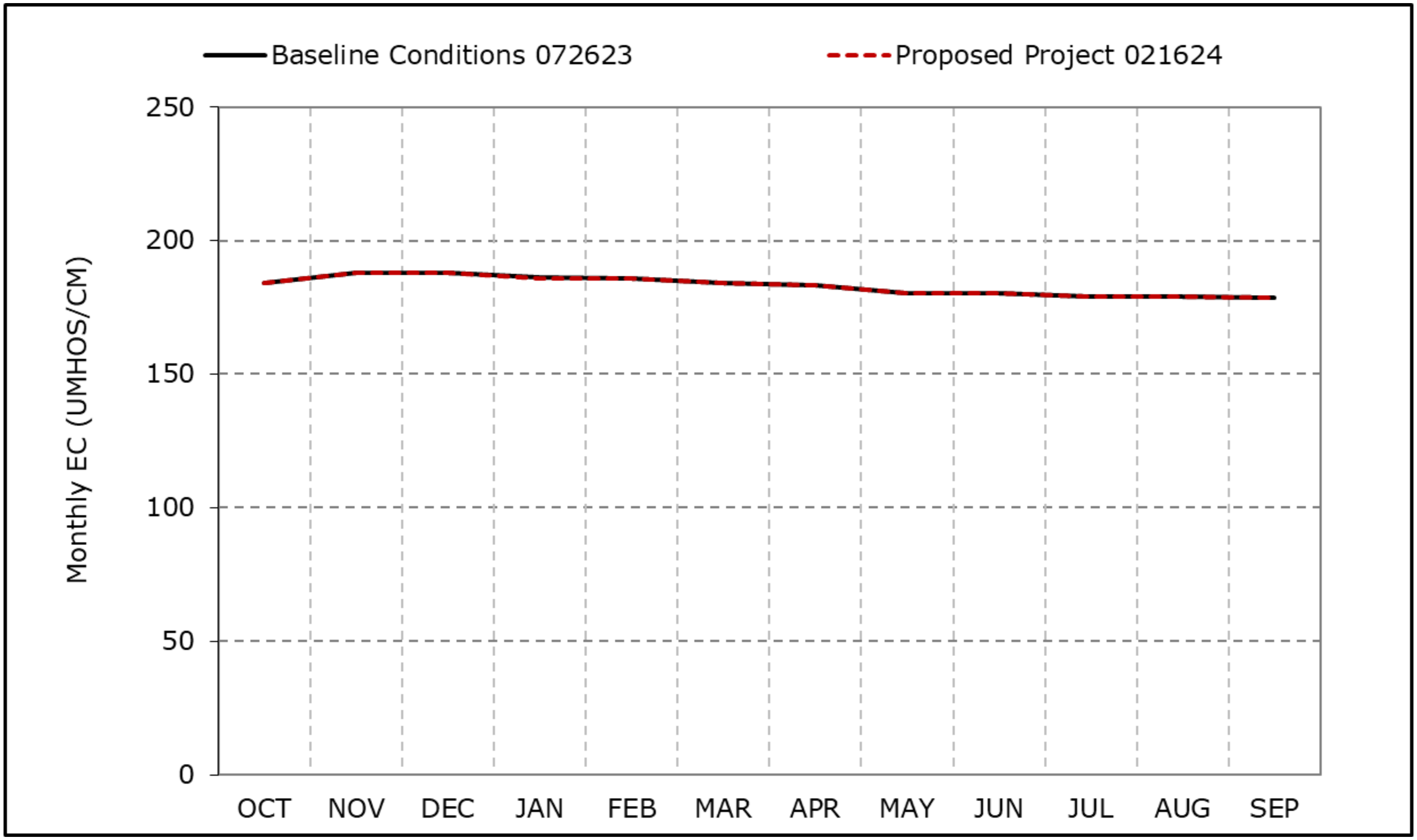
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-2b. Cache Slough at Ryer Island Salinity, Wet Year Average EC



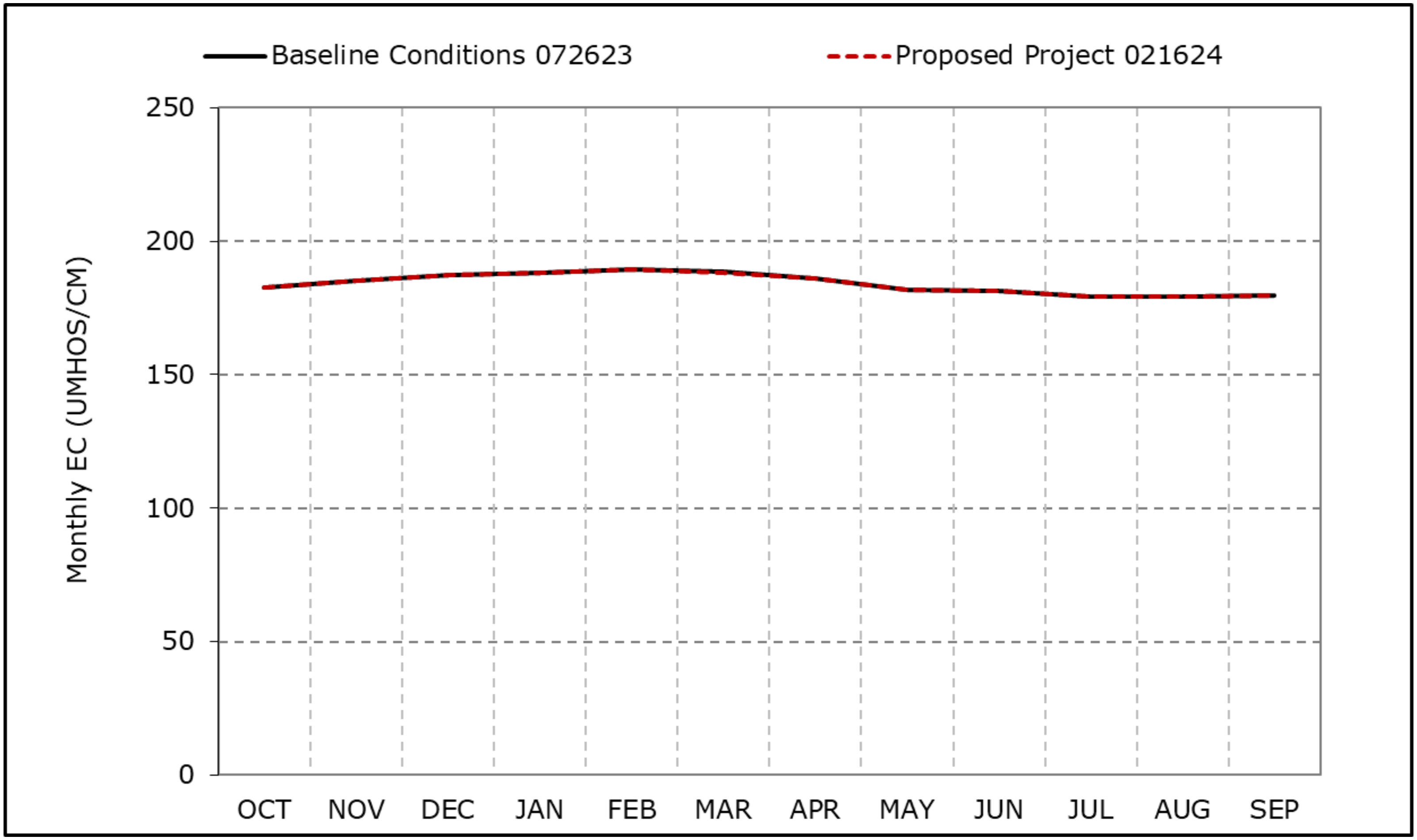
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-2c. Cache Slough at Ryer Island Salinity, Above Normal Year Average EC



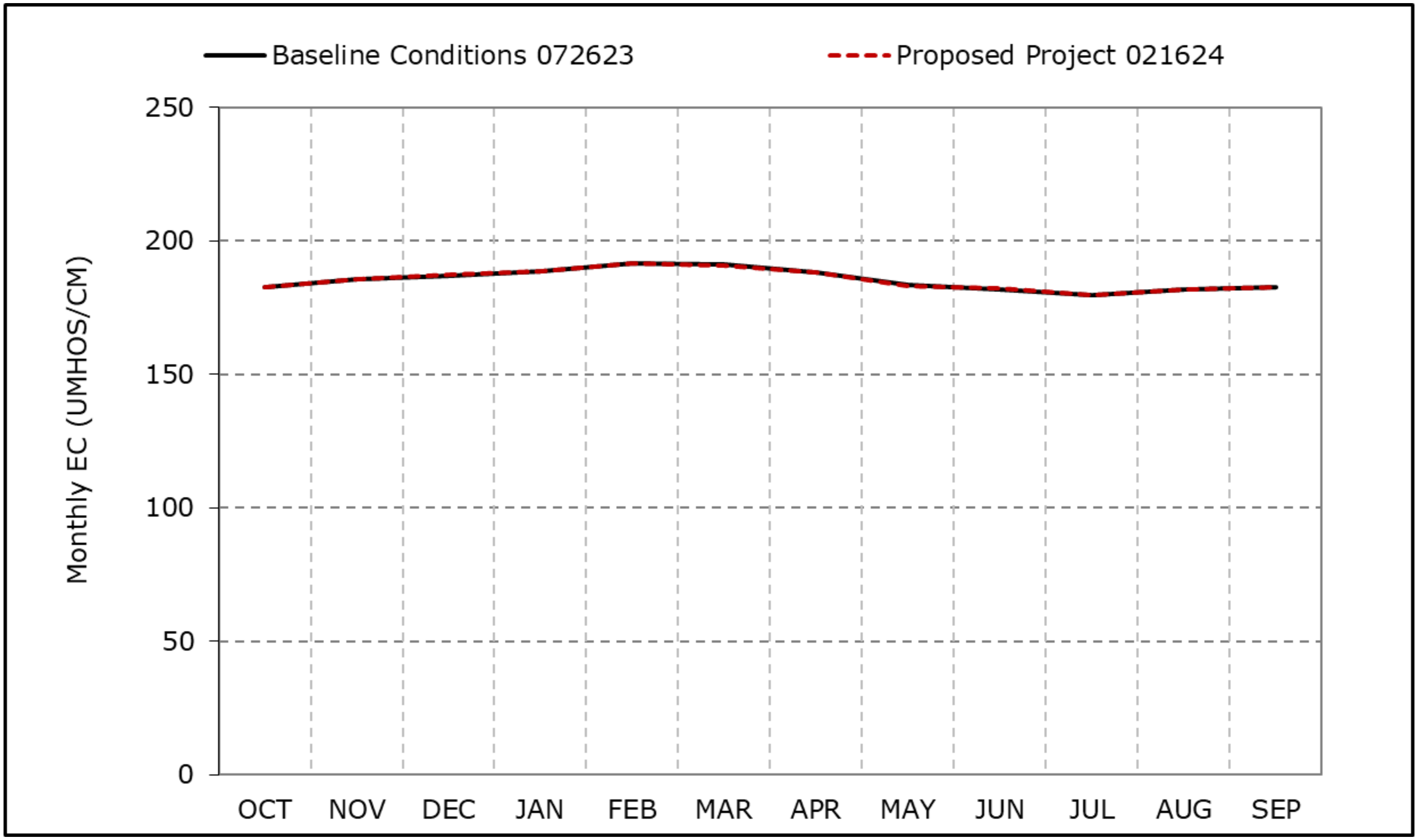
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-2d. Cache Slough at Ryer Island Salinity, Below Normal Year Average EC



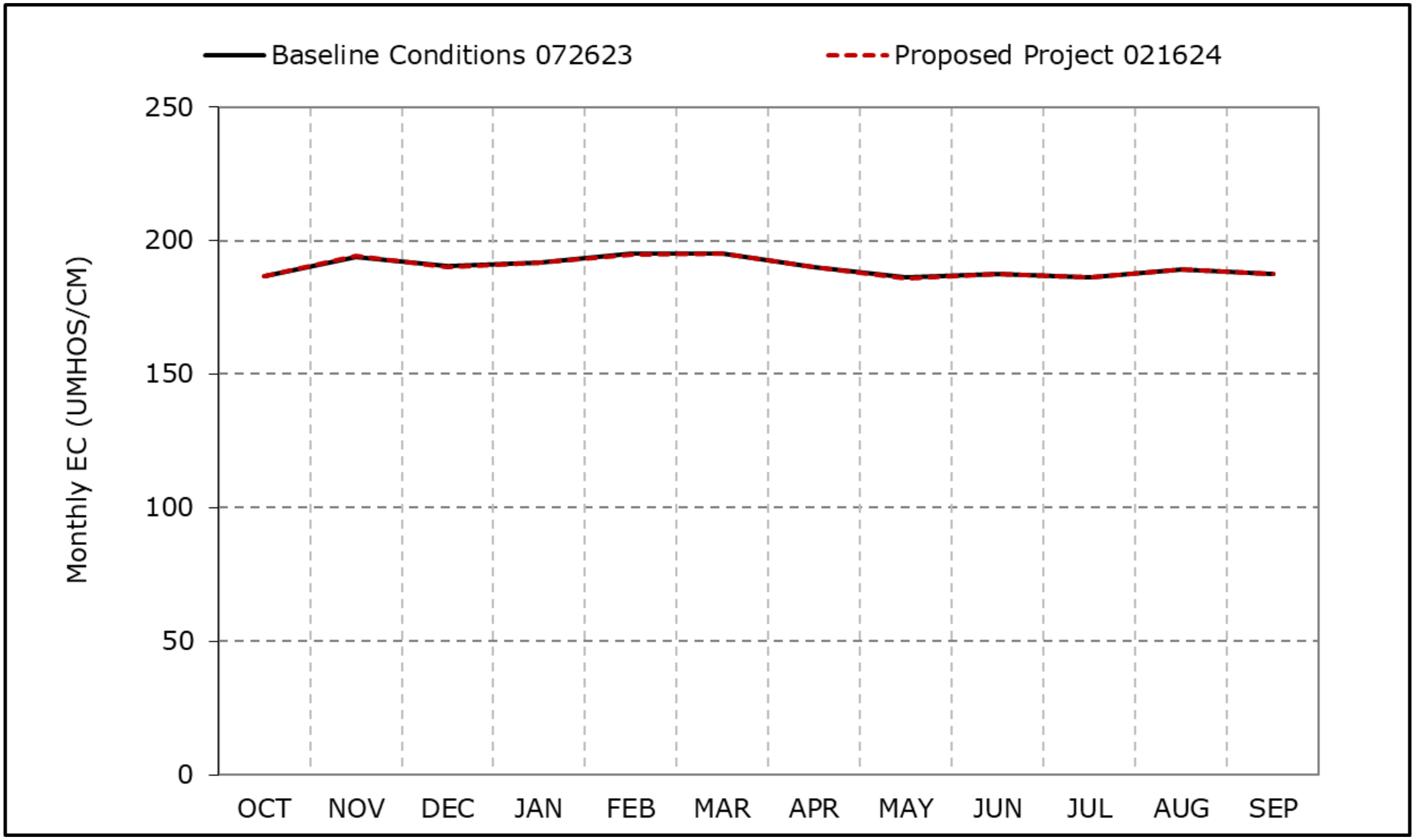
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-2e. Cache Slough at Ryer Island Salinity, Dry Year Average EC



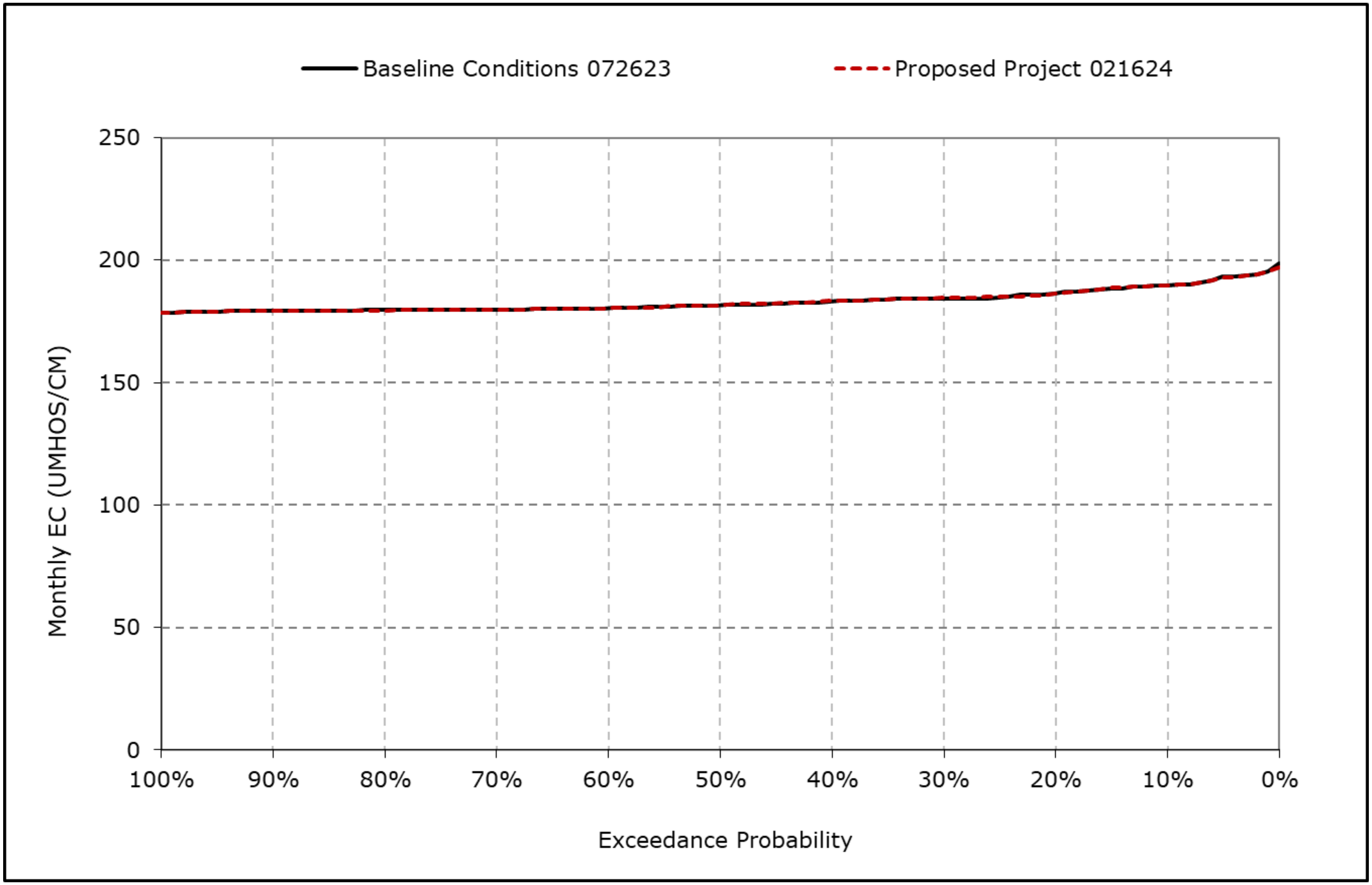
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-2f. Cache Slough at Ryer Island Salinity, Critical Year Average EC



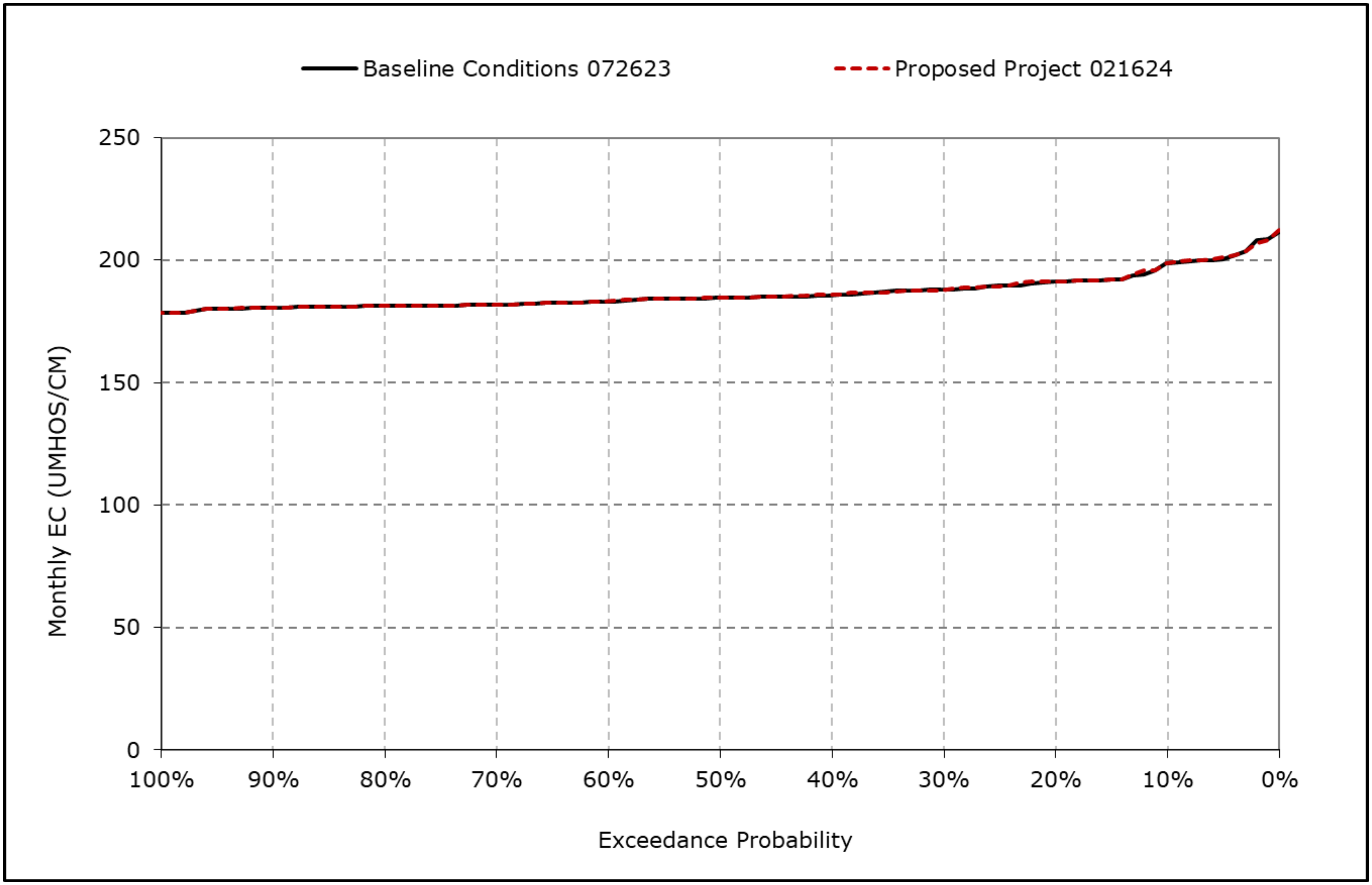
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-2g. Cache Slough at Ryer Island Salinity, October EC



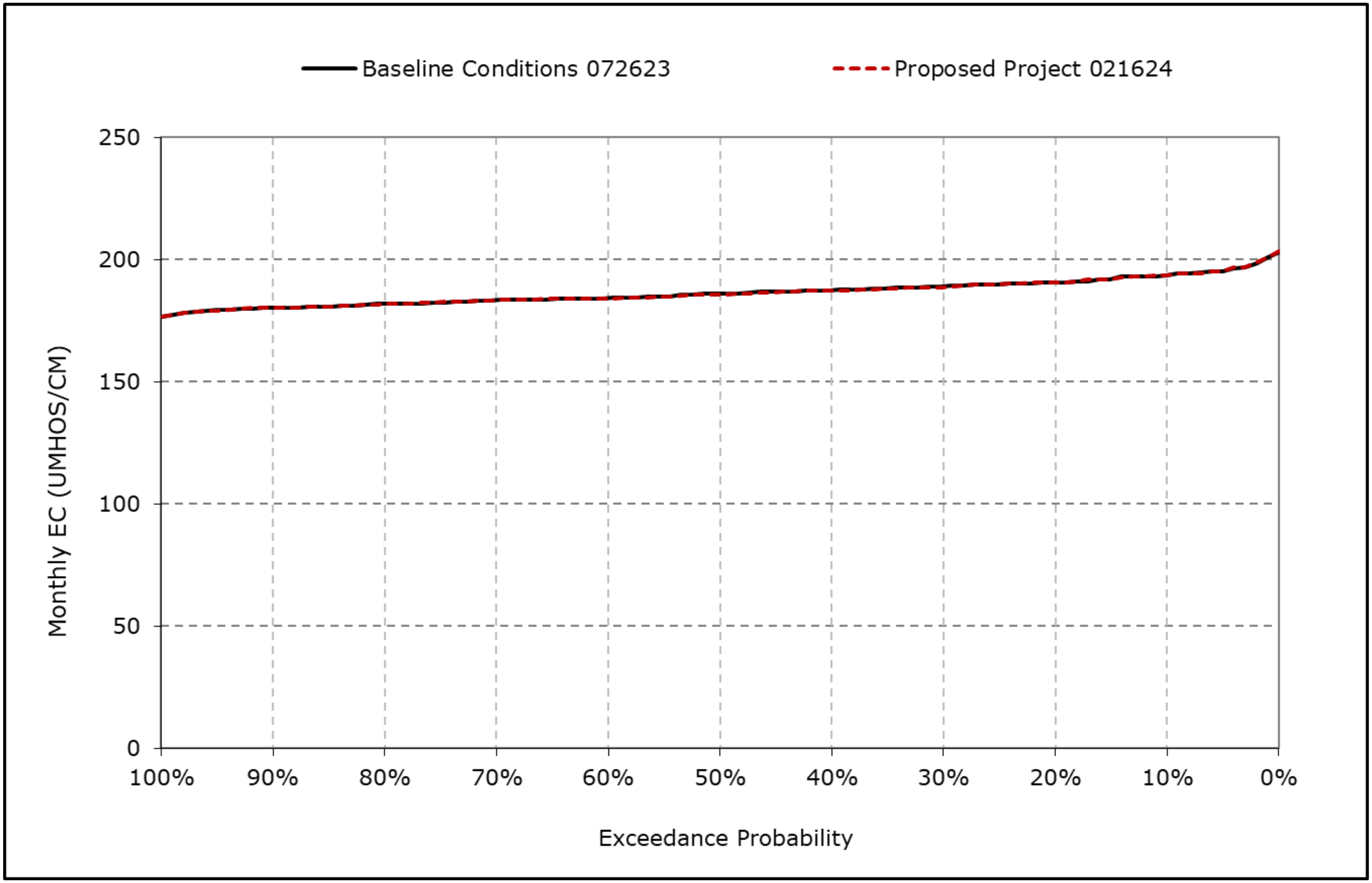
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-2h. Cache Slough at Ryer Island Salinity, November EC



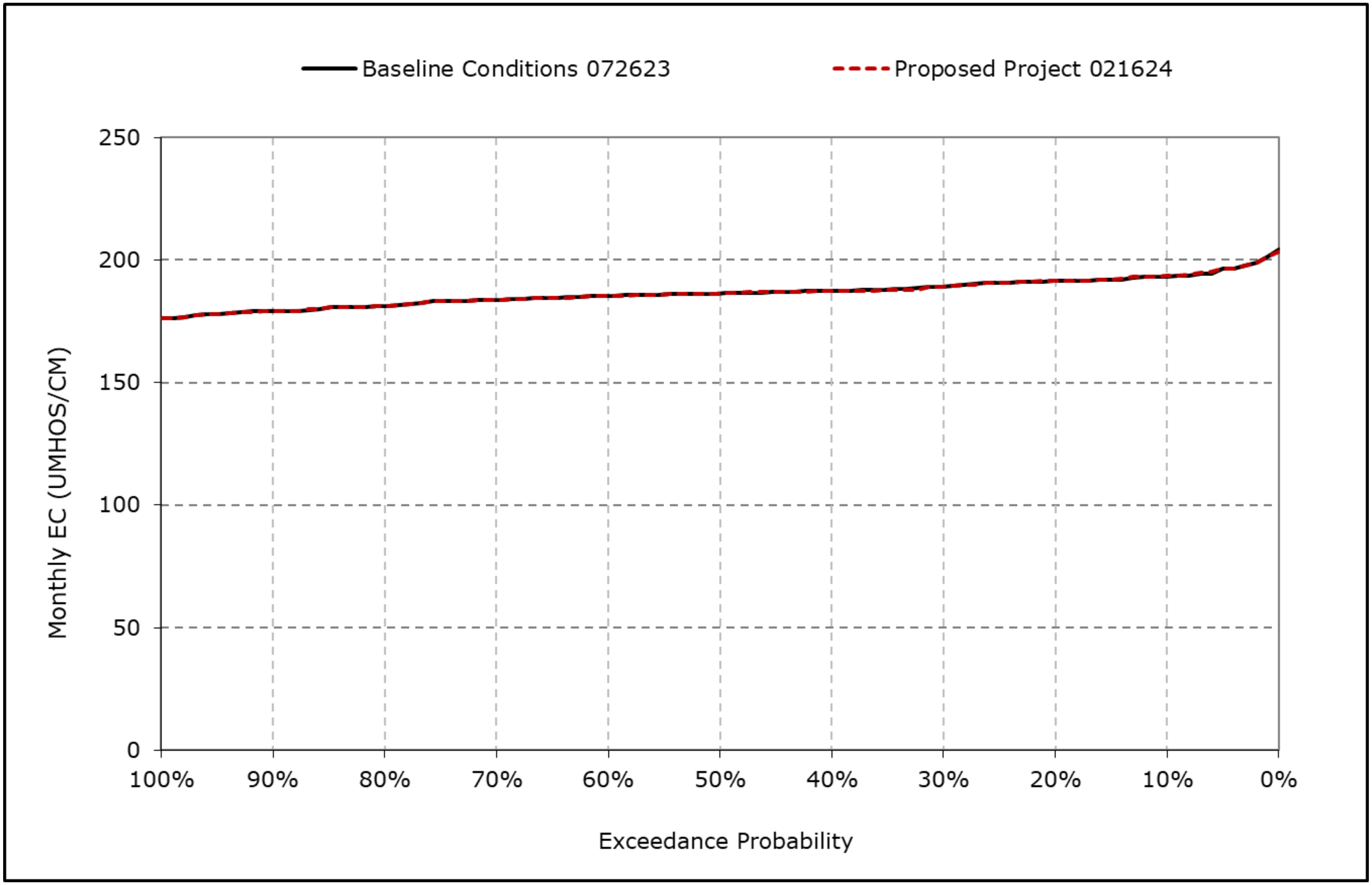
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-2i. Cache Slough at Ryer Island Salinity, December EC



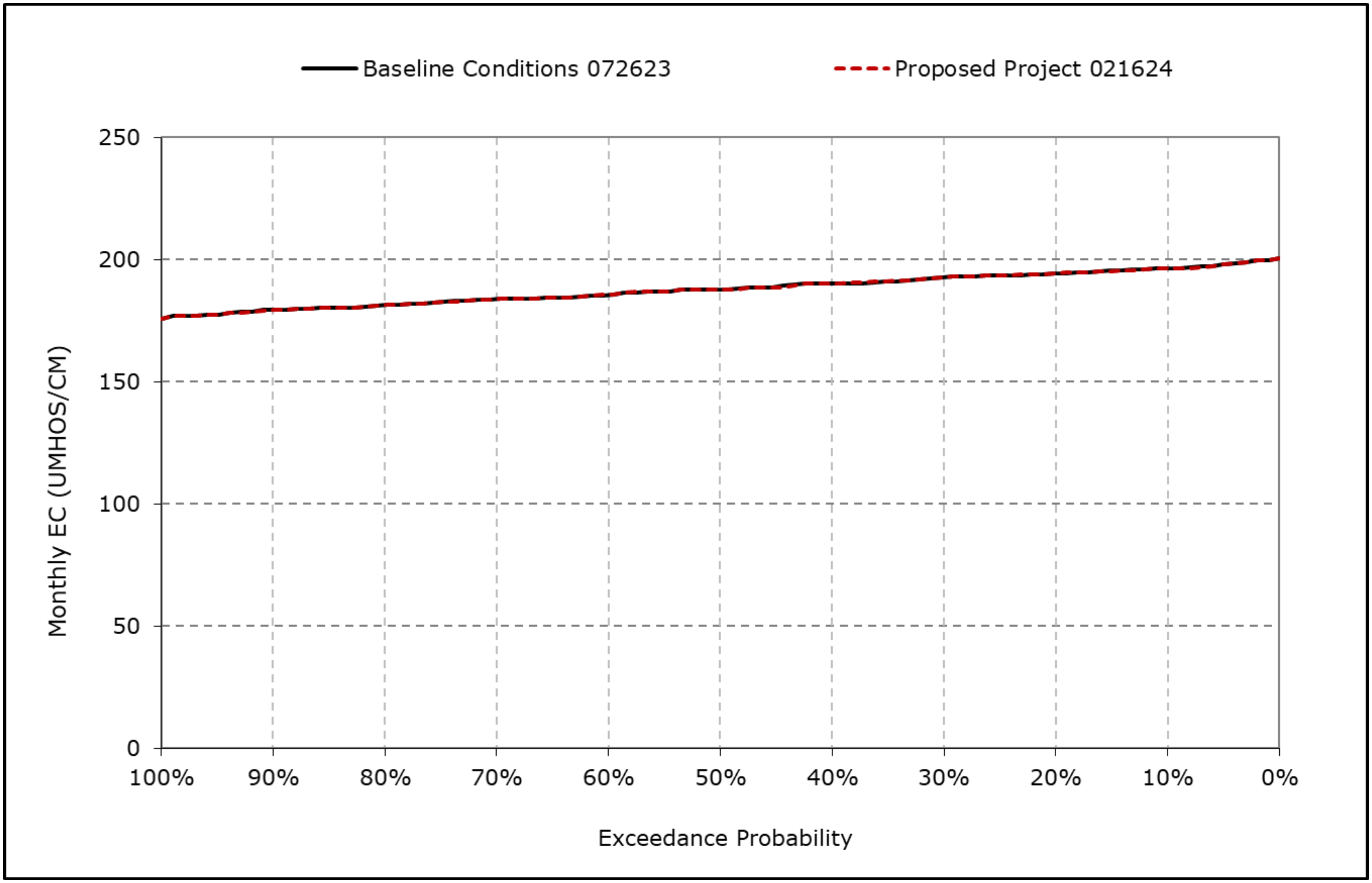
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-2j. Cache Slough at Ryer Island Salinity, January EC



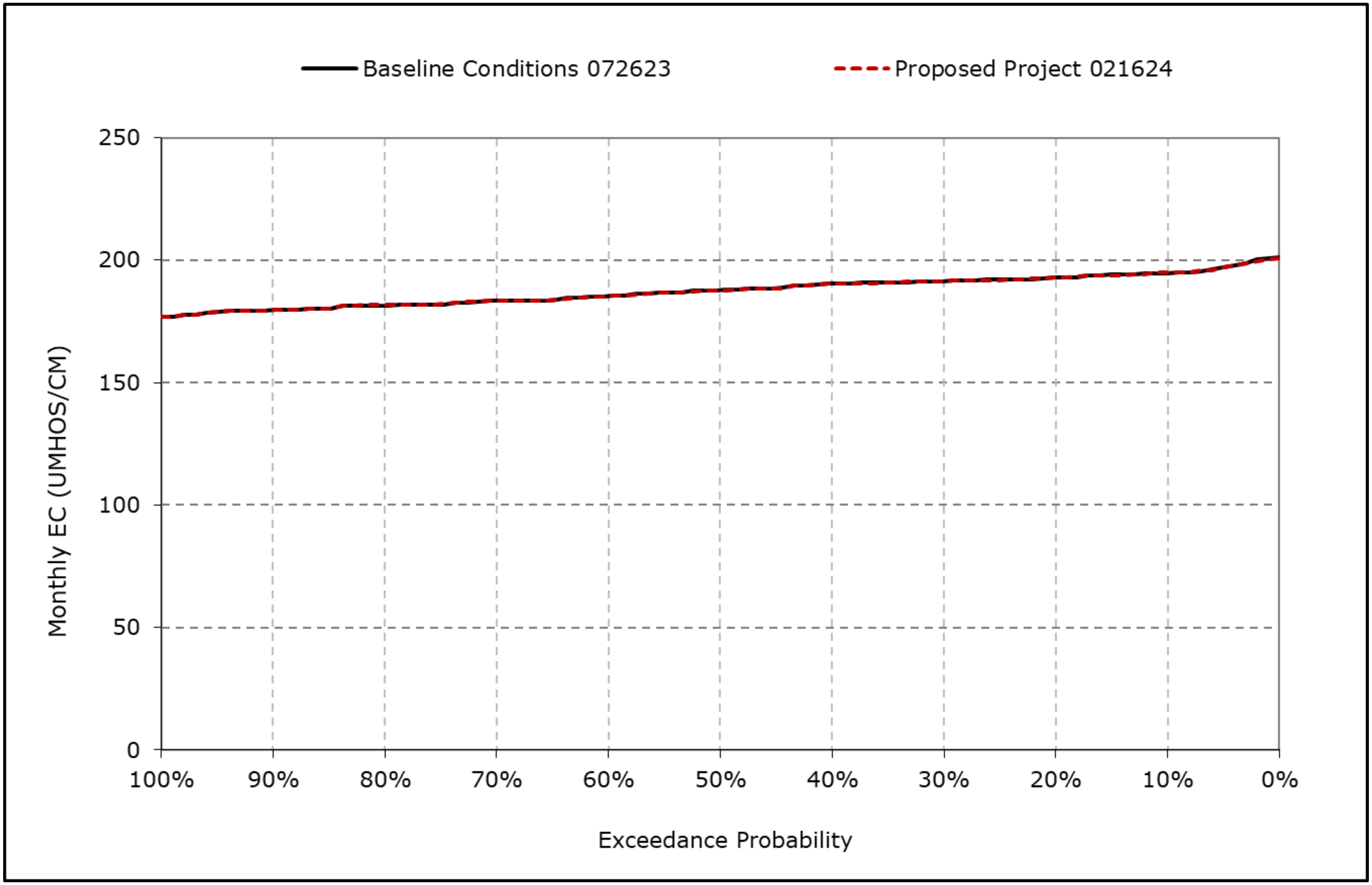
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-2k. Cache Slough at Ryer Island Salinity, February EC



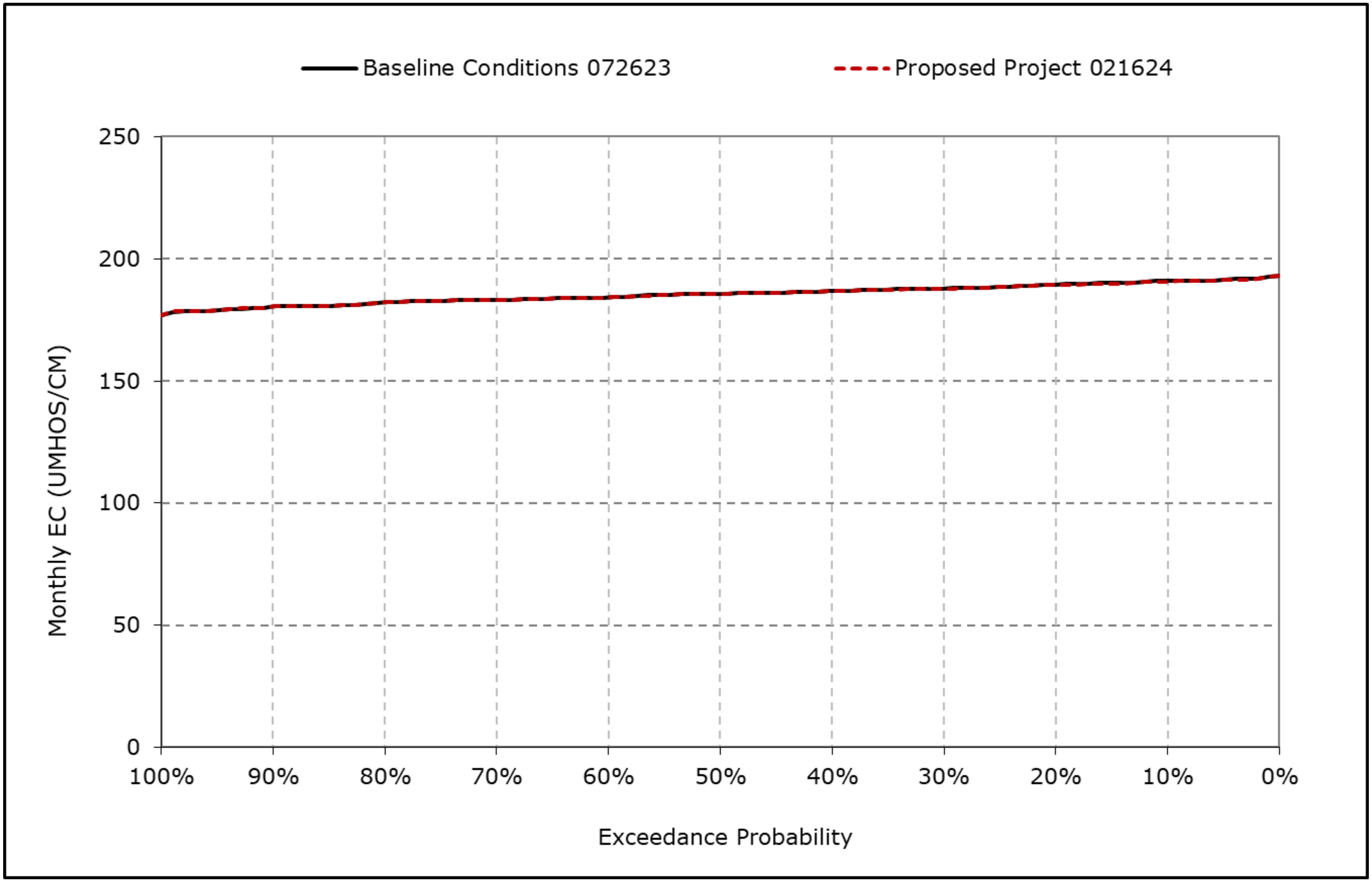
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-2l. Cache Slough at Ryer Island Salinity, March EC



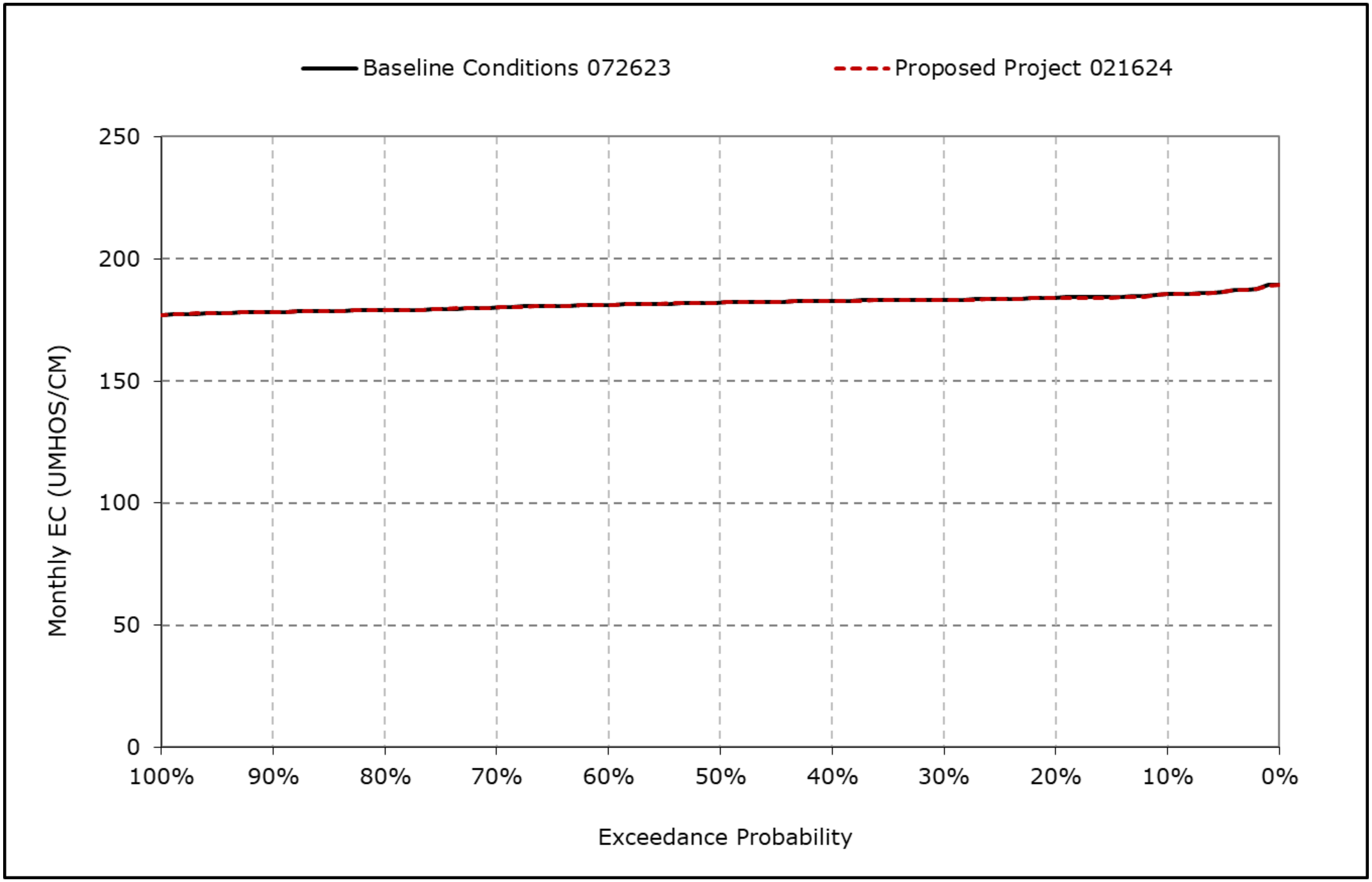
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-2m. Cache Slough at Ryer Island Salinity, April EC



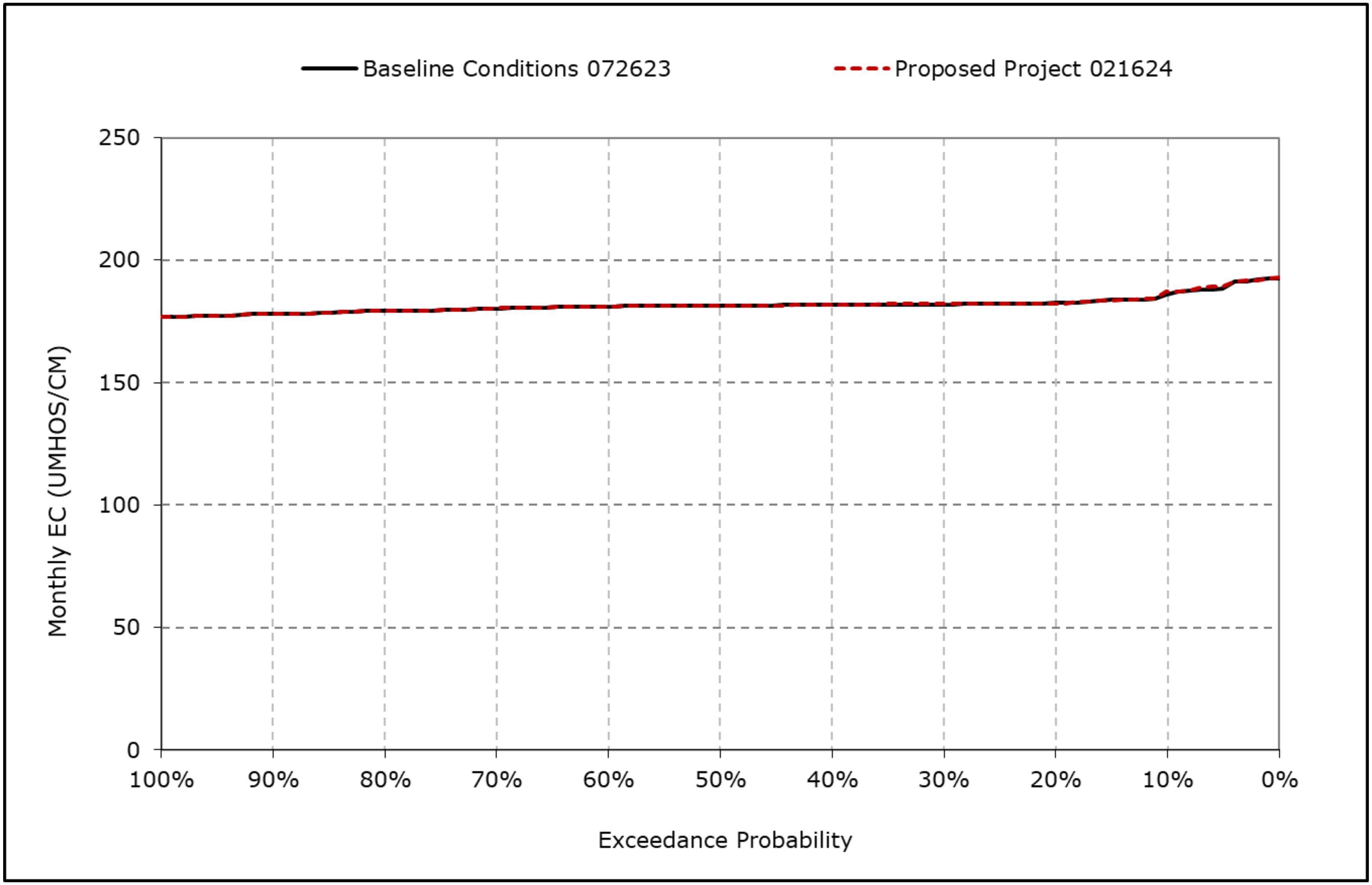
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-2n. Cache Slough at Ryer Island Salinity, May EC



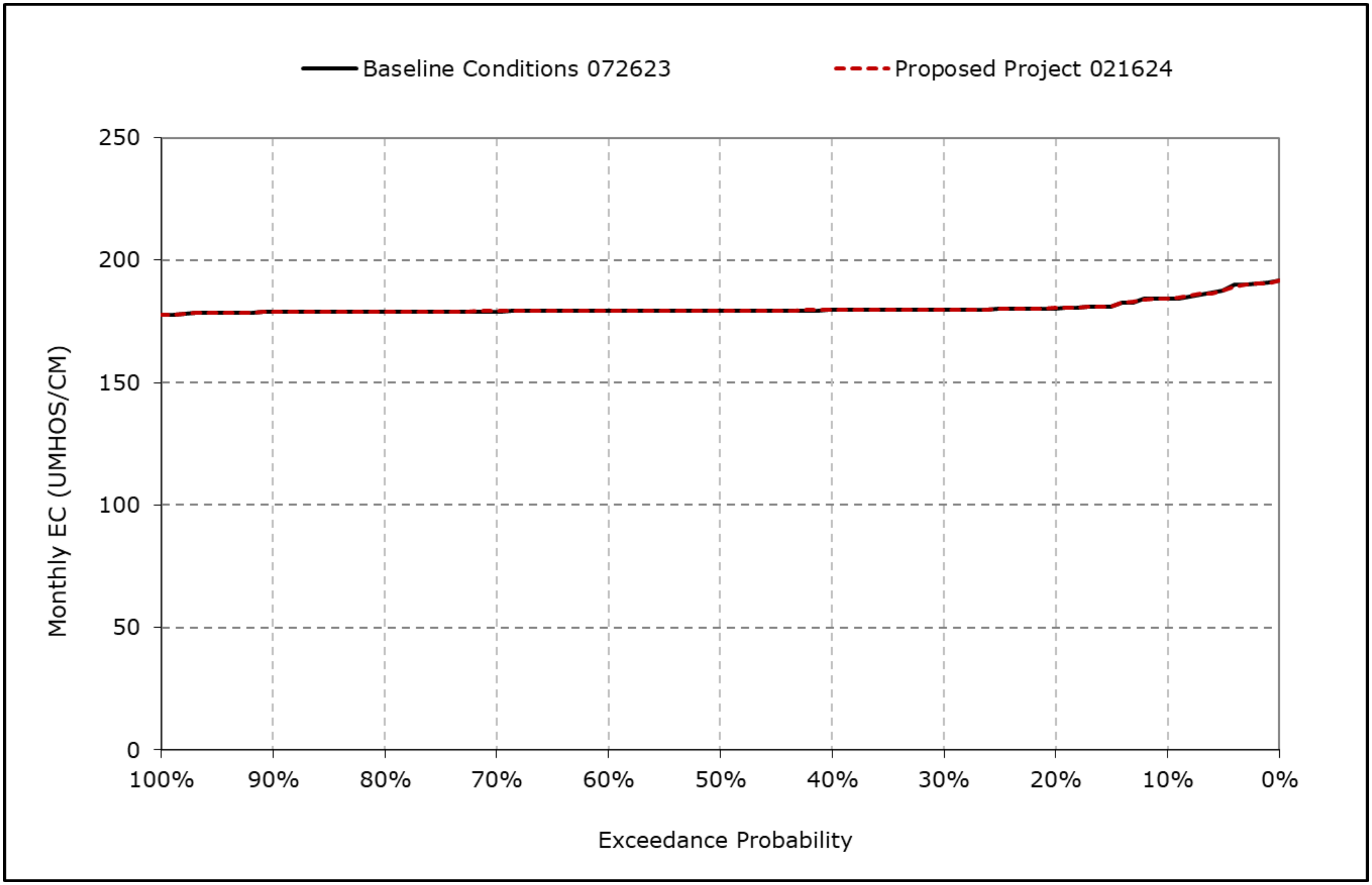
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-2o. Cache Slough at Ryer Island Salinity, June EC



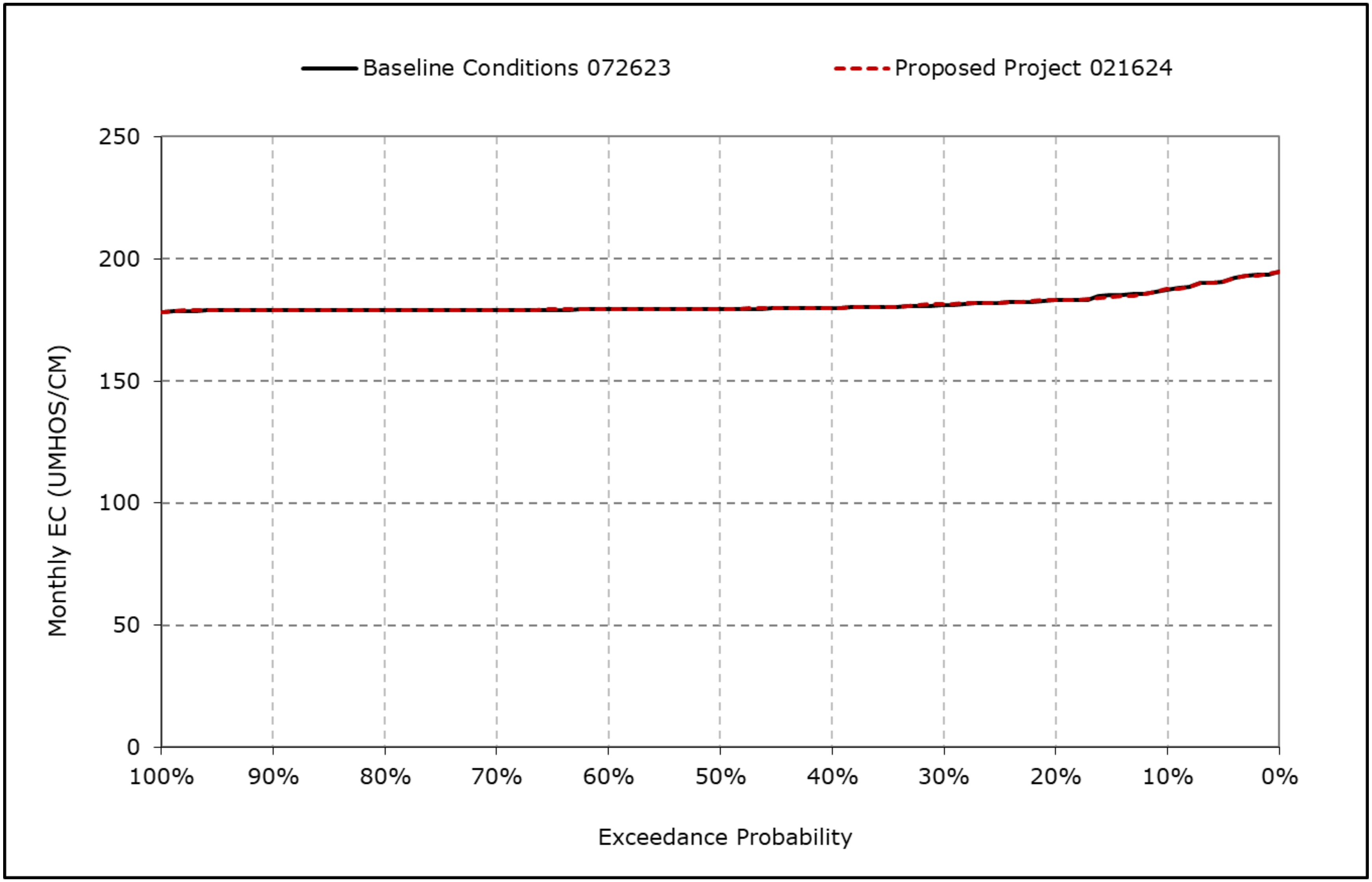
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-2p. Cache Slough at Ryer Island Salinity, July EC



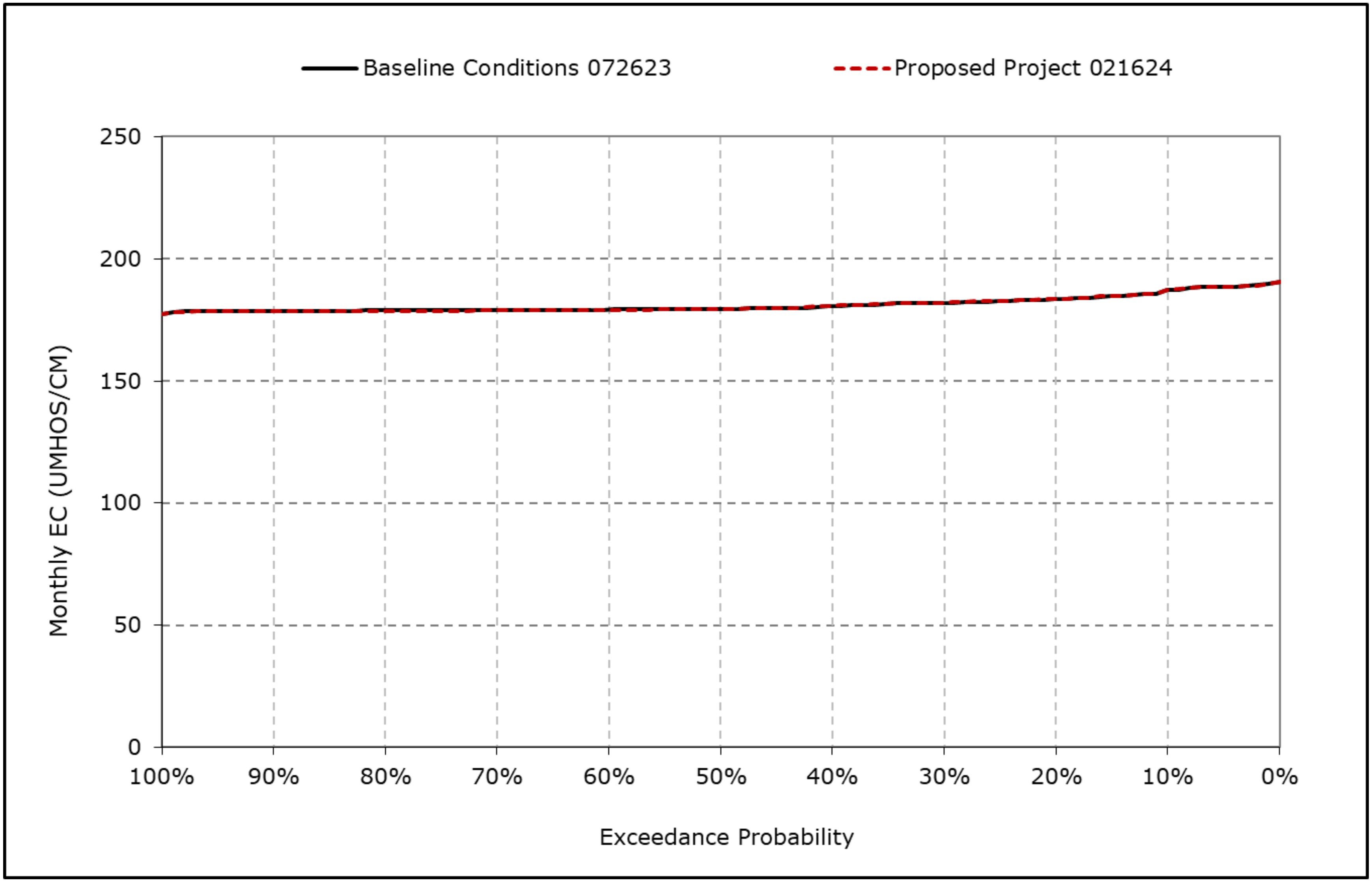
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-2q. Cache Slough at Ryer Island Salinity, August EC



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

Figure 4B-6-2r. Cache Slough at Ryer Island Salinity, September EC



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

Table 4B-6-3-1a. Sacramento River downstream of Georgiana Slough Salinity, Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	177	178	178	180	178	177	176	176	176	176	176
20% Exceedance	176	177	178	178	179	178	176	176	176	175	176	176
30% Exceedance	176	177	177	178	178	177	176	176	176	175	175	176
40% Exceedance	176	176	177	177	178	177	176	175	176	175	175	175
50% Exceedance	176	176	177	177	178	177	176	175	175	175	175	175
60% Exceedance	176	176	176	177	177	177	176	175	175	175	175	175
70% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
80% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
90% Exceedance	175	176	176	176	176	176	175	175	175	175	175	175
Full Simulation Period Average[a]	176	176	177	177	178	177	176	175	175	175	175	175
Wet Water Years (30%)	176	176	176	177	177	176	176	175	175	175	175	175
Above Normal Years (11%)	176	177	177	177	177	176	176	175	175	175	175	175
Below Normal Years (21%)	176	176	177	177	178	177	176	175	176	175	175	175
Dry Water Years (22%)	176	176	177	177	178	177	176	176	176	175	175	176
Critical Water Years (16%)	176	176	177	178	179	178	176	176	176	176	176	176

Table 4B-6-3-1b. Sacramento River downstream of Georgiana Slough Salinity, Proposed Project 021624, Monthly EC (UMHOS/CM)

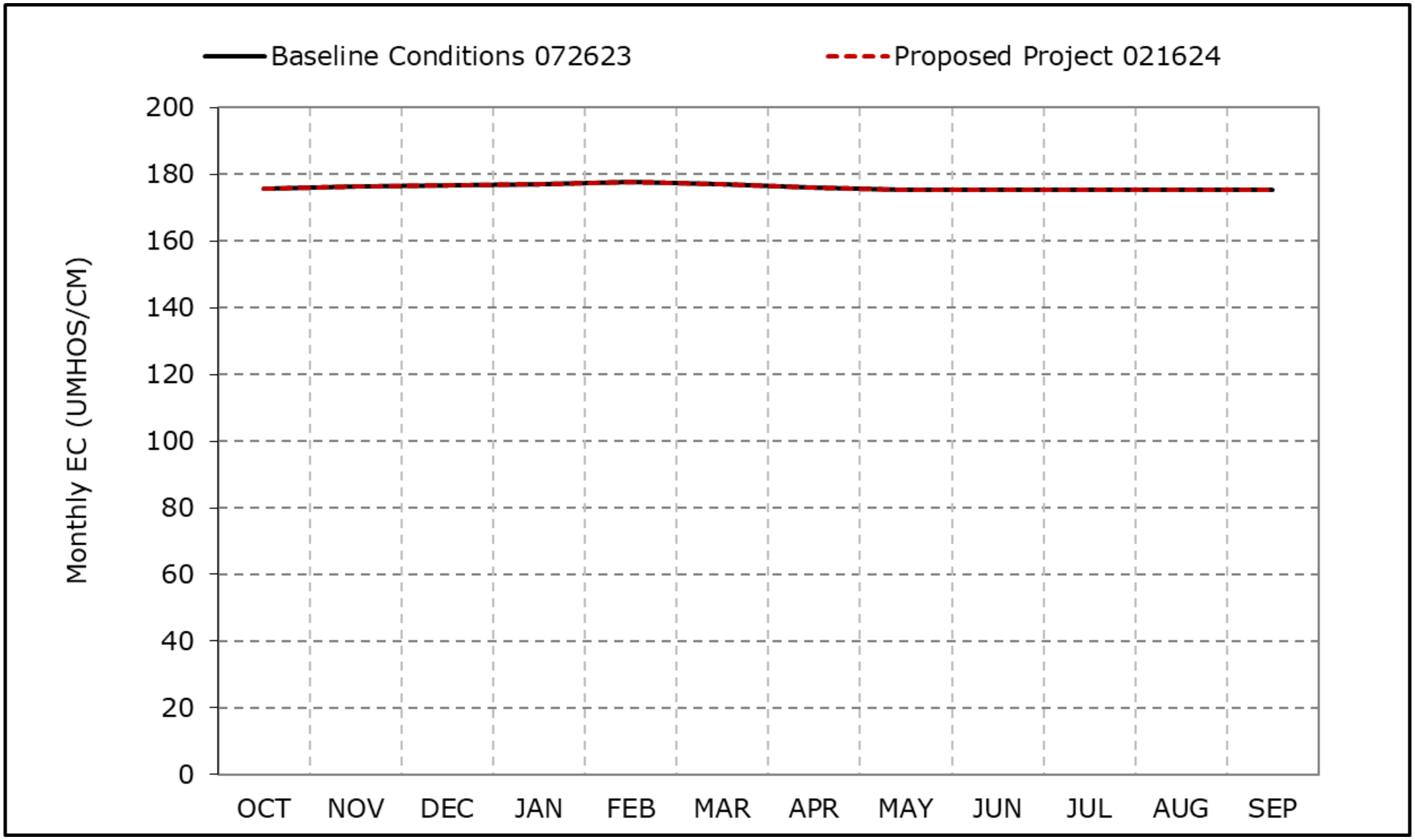
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	177	178	178	180	178	177	176	176	176	176	176
20% Exceedance	176	177	178	178	179	178	176	176	176	175	176	176
30% Exceedance	176	177	177	178	178	177	176	176	176	175	175	176
40% Exceedance	176	176	177	177	178	177	176	175	176	175	175	175
50% Exceedance	176	176	177	177	178	177	176	175	176	175	175	175
60% Exceedance	176	176	176	177	177	177	176	175	175	175	175	175
70% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
80% Exceedance	175	176	176	176	177	176	176	175	175	175	175	175
90% Exceedance	175	176	176	176	176	176	175	175	175	175	175	175
Full Simulation Period Average[a]	176	176	177	177	178	177	176	175	175	175	175	175
Wet Water Years (30%)	176	176	176	177	177	176	176	175	175	175	175	175
Above Normal Years (11%)	176	177	177	177	177	176	176	175	175	175	175	175
Below Normal Years (21%)	176	176	177	177	178	177	176	175	176	175	175	175
Dry Water Years (22%)	176	176	177	177	178	177	176	176	176	175	175	176
Critical Water Years (16%)	176	176	177	178	179	178	176	176	176	176	176	176

Table 4B-6-3-1c. Sacramento River downstream of Georgiana Slough Salinity, Proposed Project 021624 minus Baseline Conditions 072623, Monthly EC (UMHOS/CM)

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 (30%)	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Years (11%)	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal Years (21%)	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years (22%)	0	0	0	0	0	0	0	0	0	0	0	0
Critical Water Years (16%)	0	0	0	0	0	0	0	0	0	0	0	0

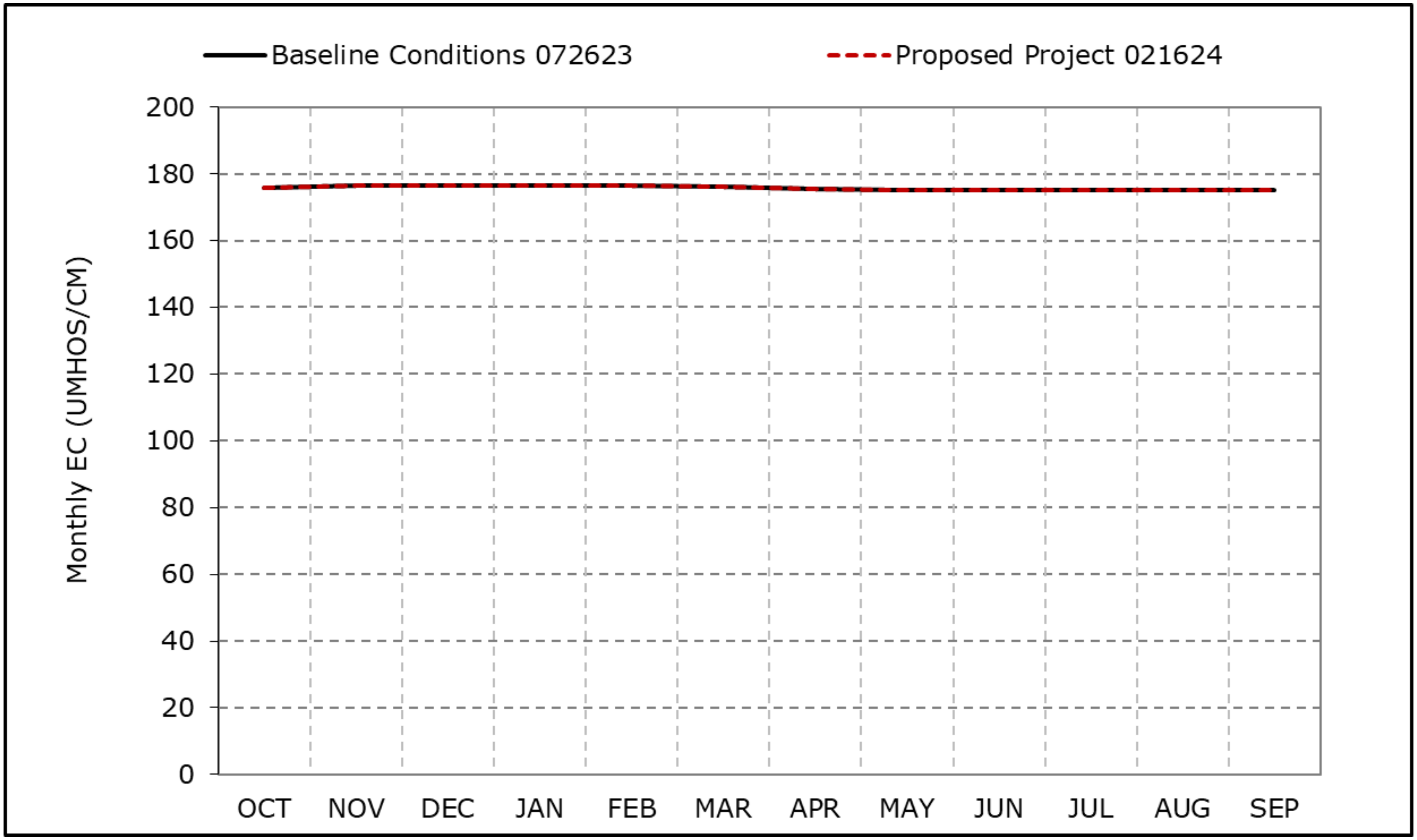
[a] Based on the 100-year simulation period.
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-6-3a. Sacramento River downstream of Georgiana Slough Salinity, Long-Term Average EC



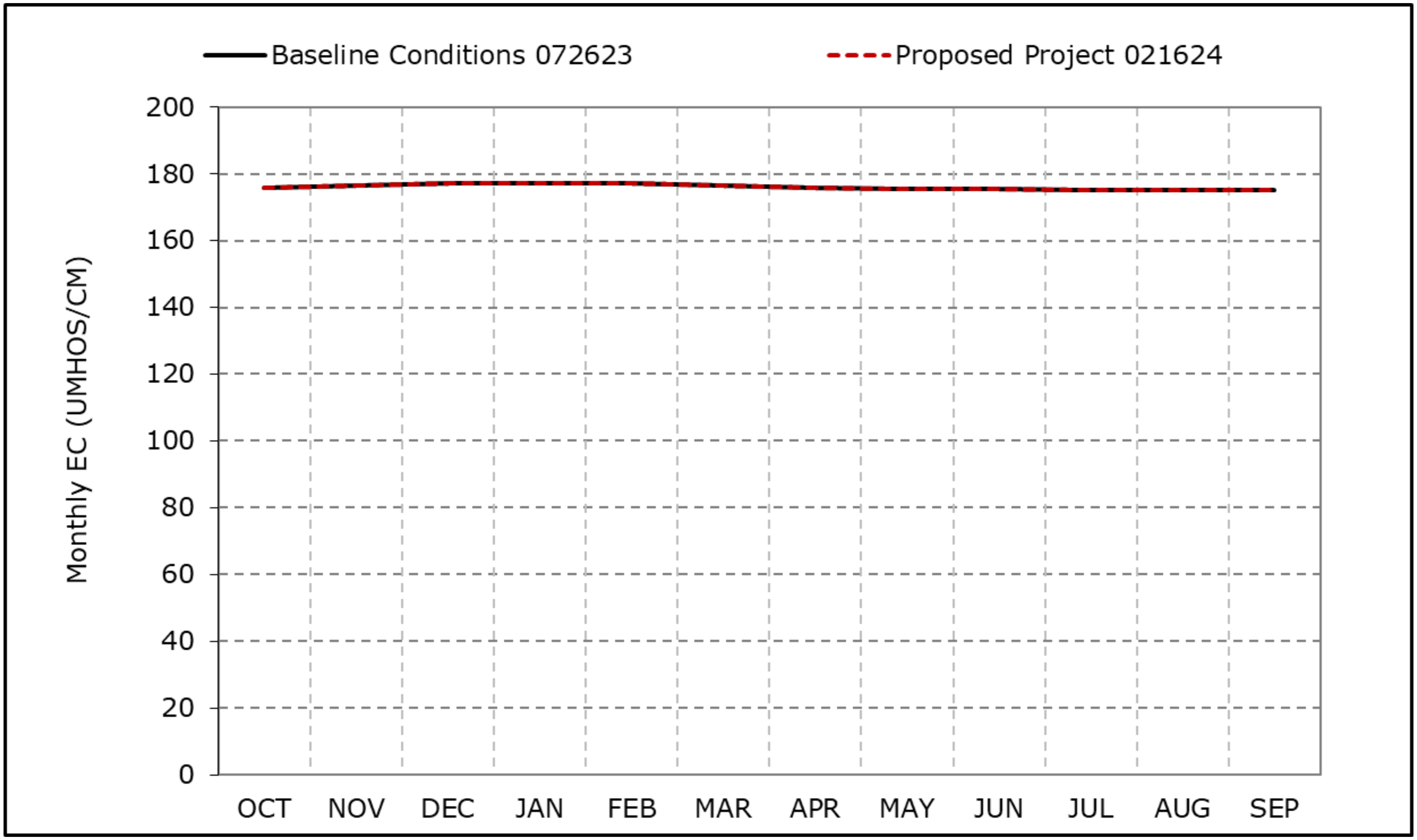
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-3b. Sacramento River downstream of Georgiana Slough Salinity, Wet Year Average EC



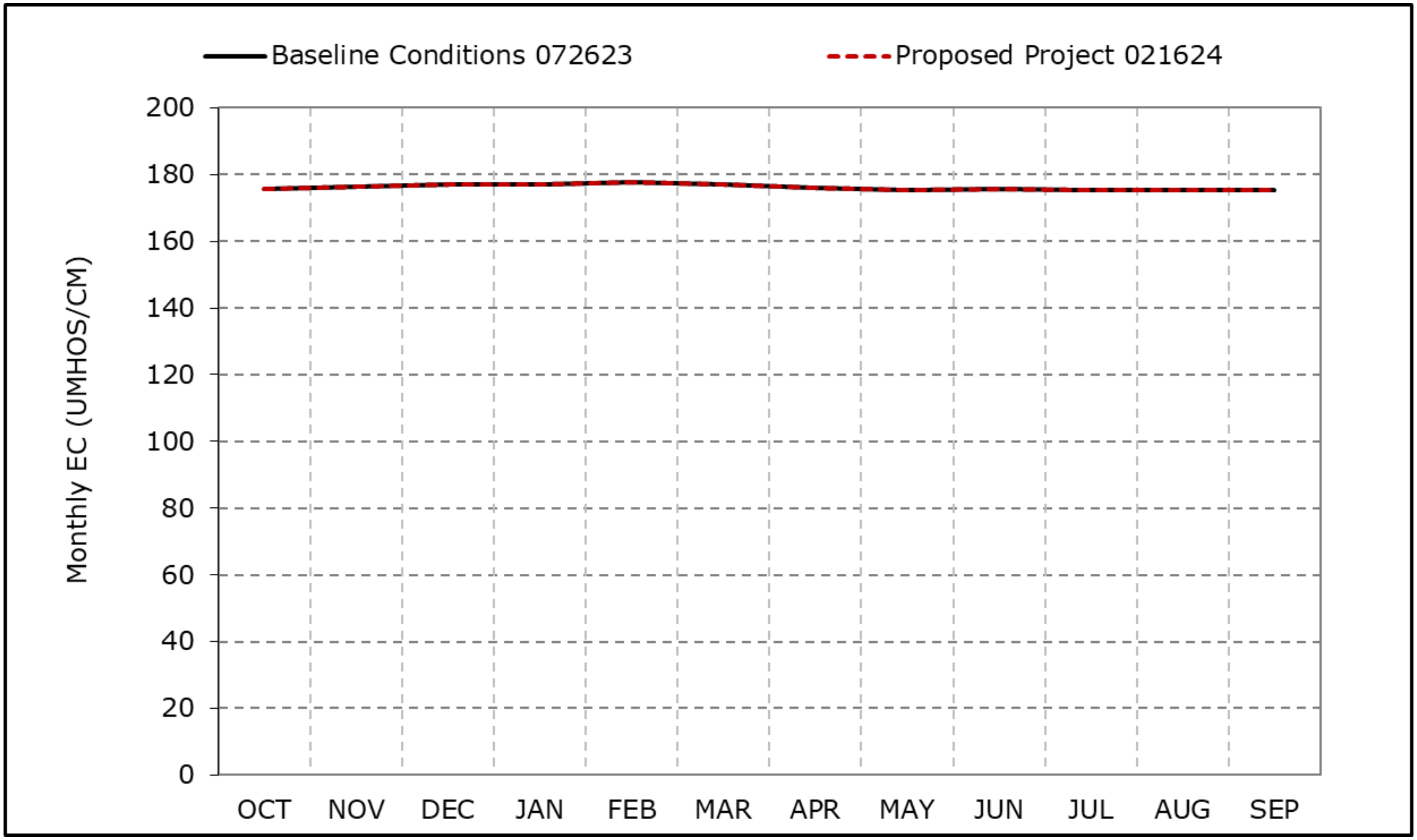
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-3c. Sacramento River downstream of Georgiana Slough Salinity, Above Normal Year Average EC



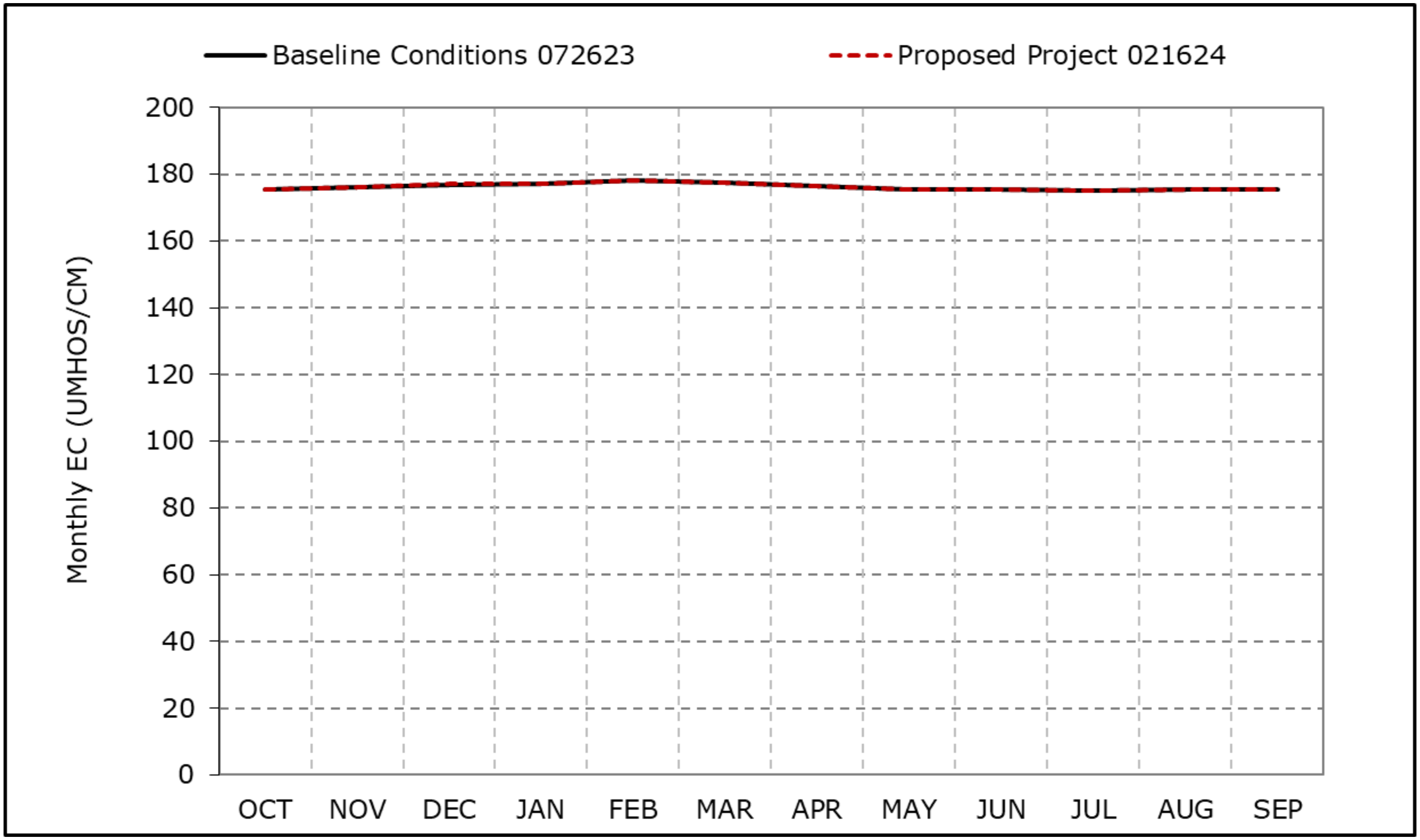
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-3d. Sacramento River downstream of Georgiana Slough Salinity, Below Normal Year Average EC



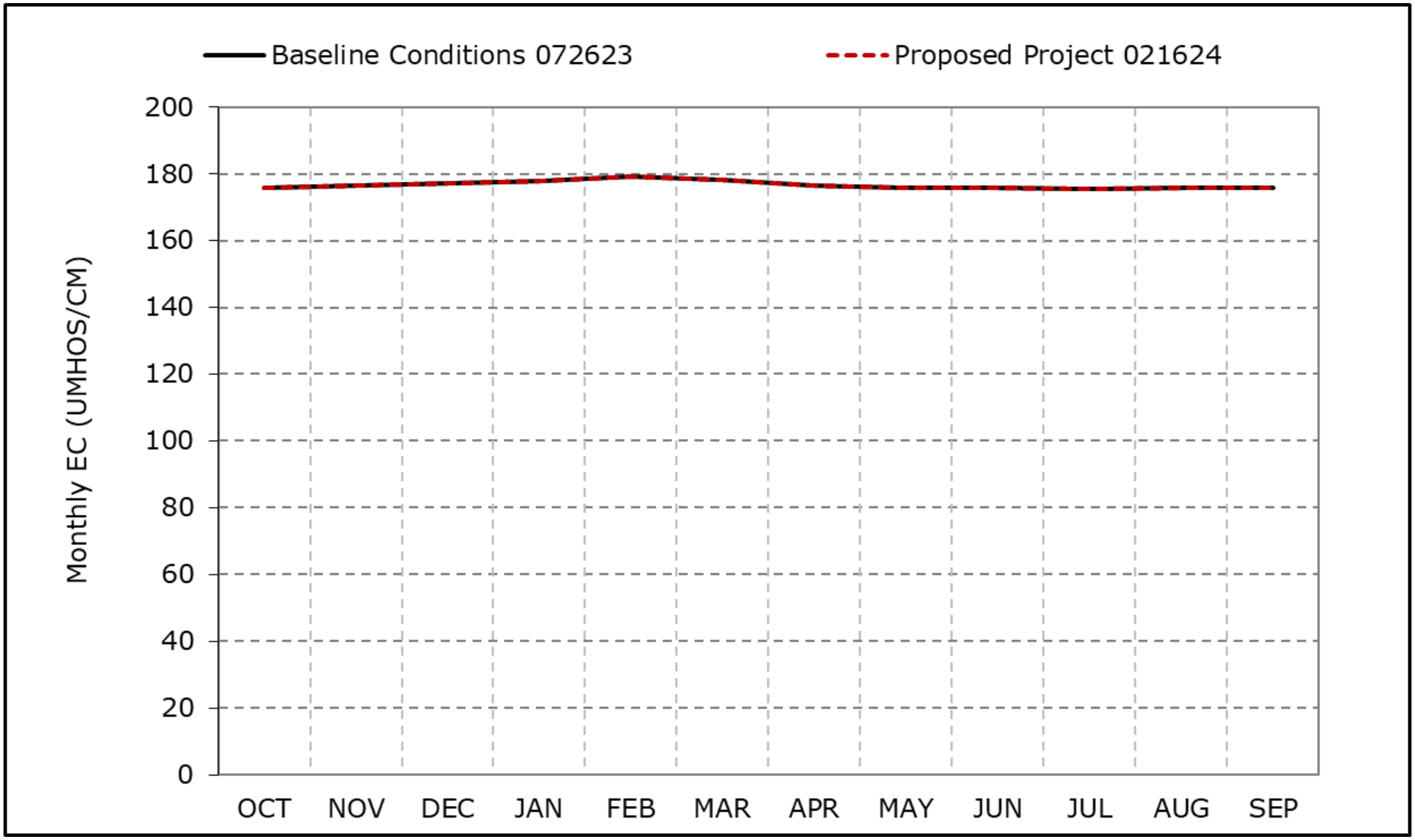
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-3e. Sacramento River downstream of Georgiana Slough Salinity, Dry Year Average EC



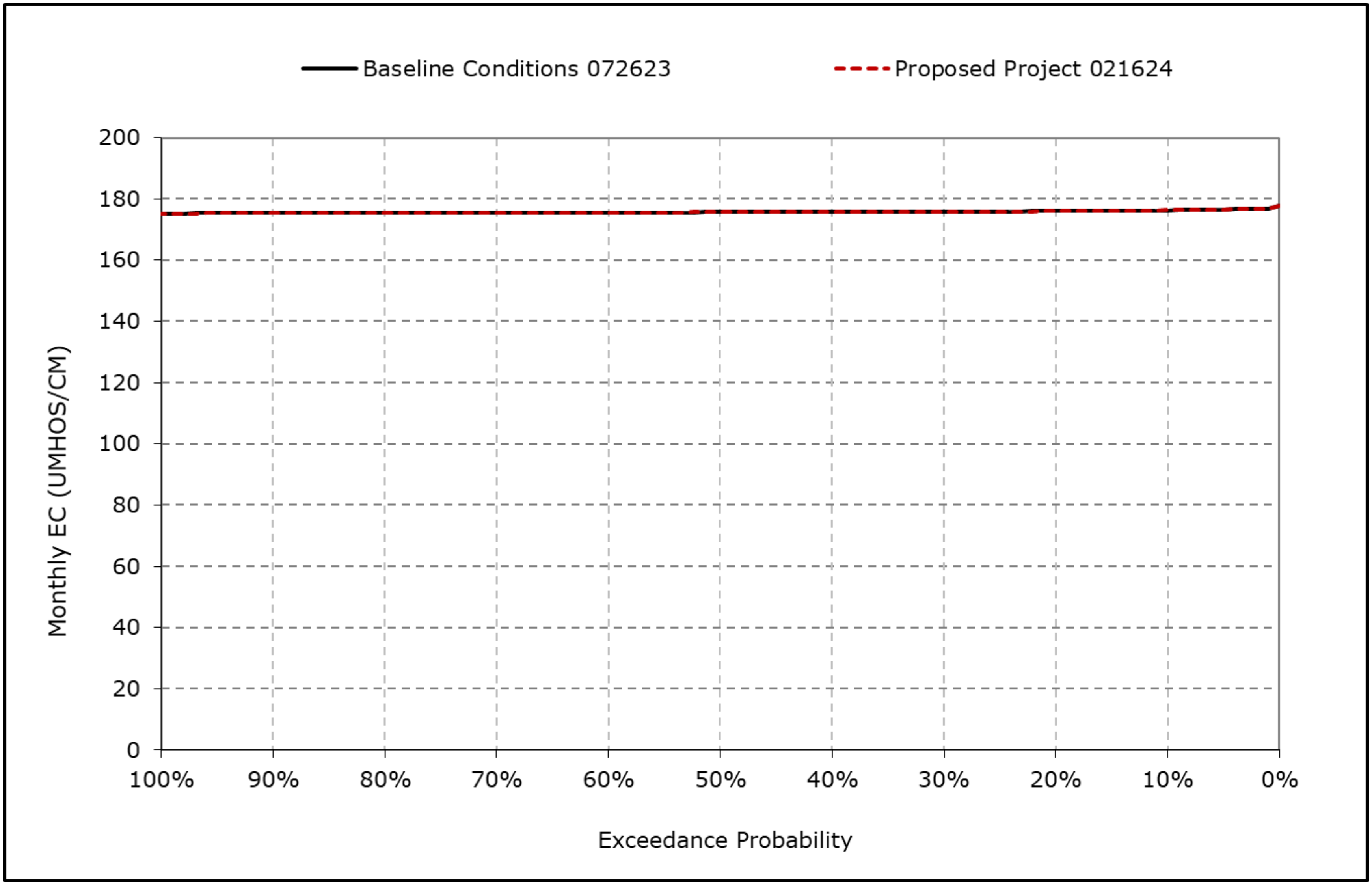
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-3f. Sacramento River downstream of Georgiana Slough Salinity, Critical Year Average EC



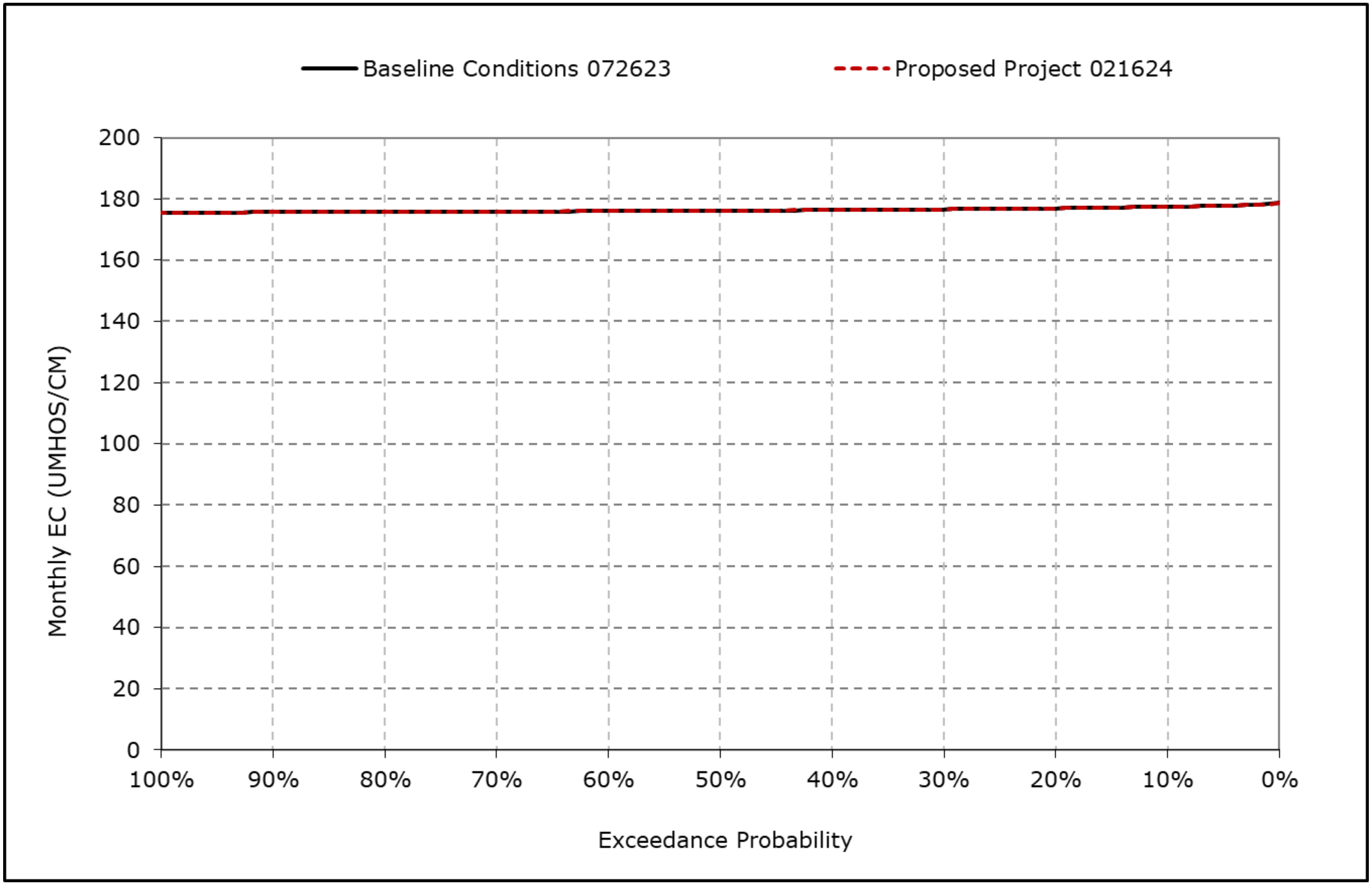
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-3g. Sacramento River downstream of Georgiana Slough Salinity, October EC



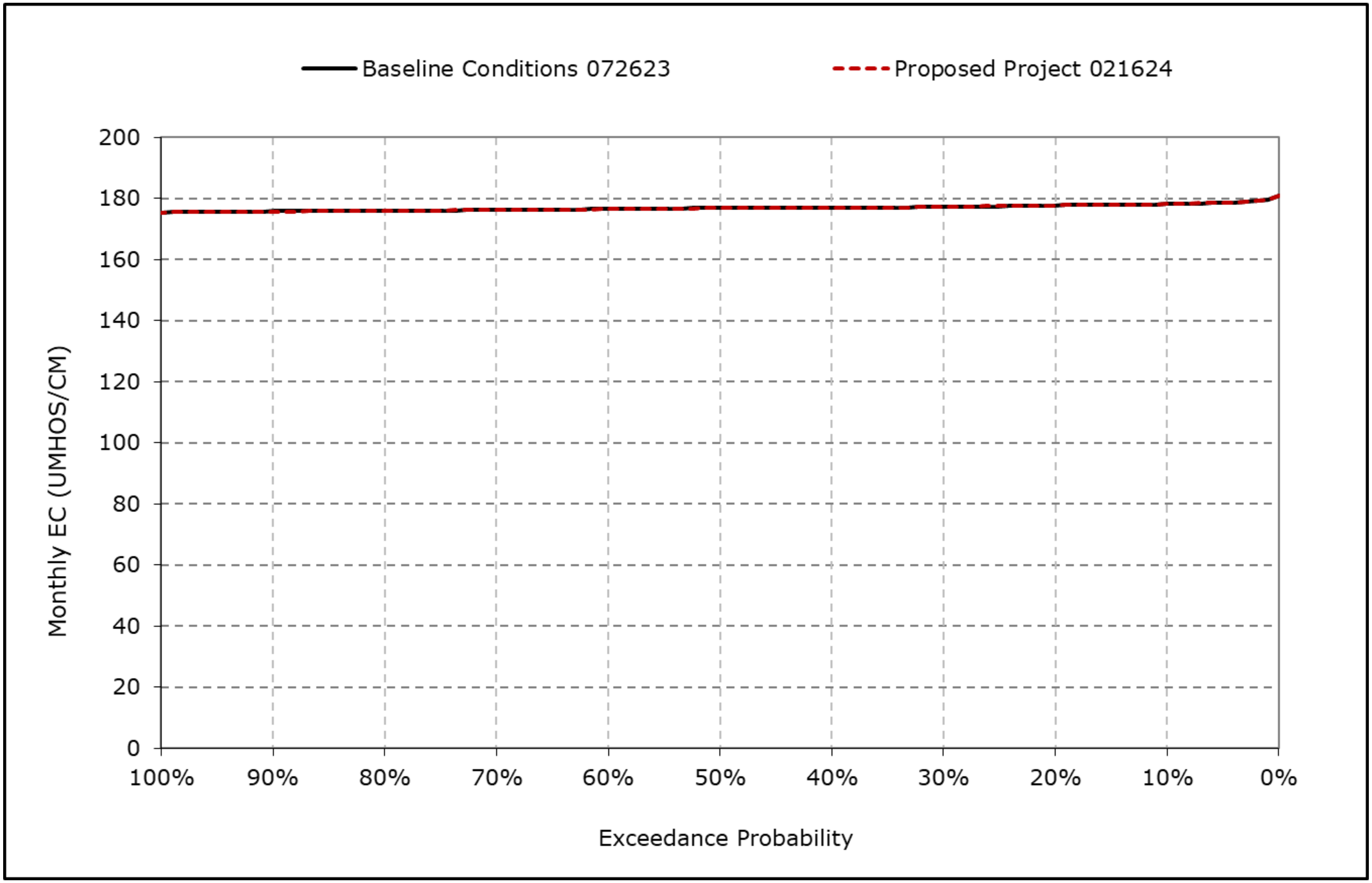
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-3h. Sacramento River downstream of Georgiana Slough Salinity, November EC



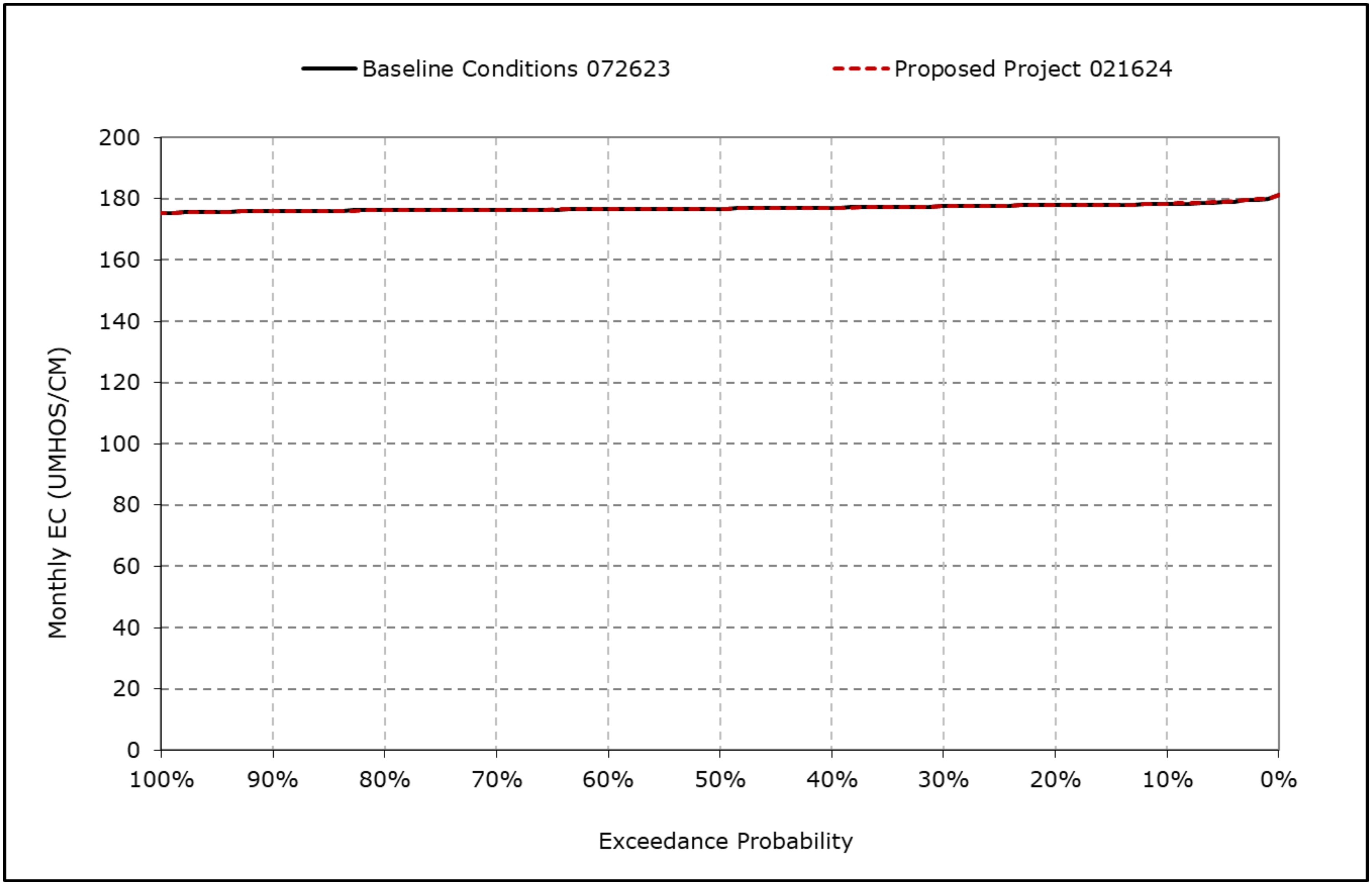
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-3i. Sacramento River downstream of Georgiana Slough Salinity, December EC



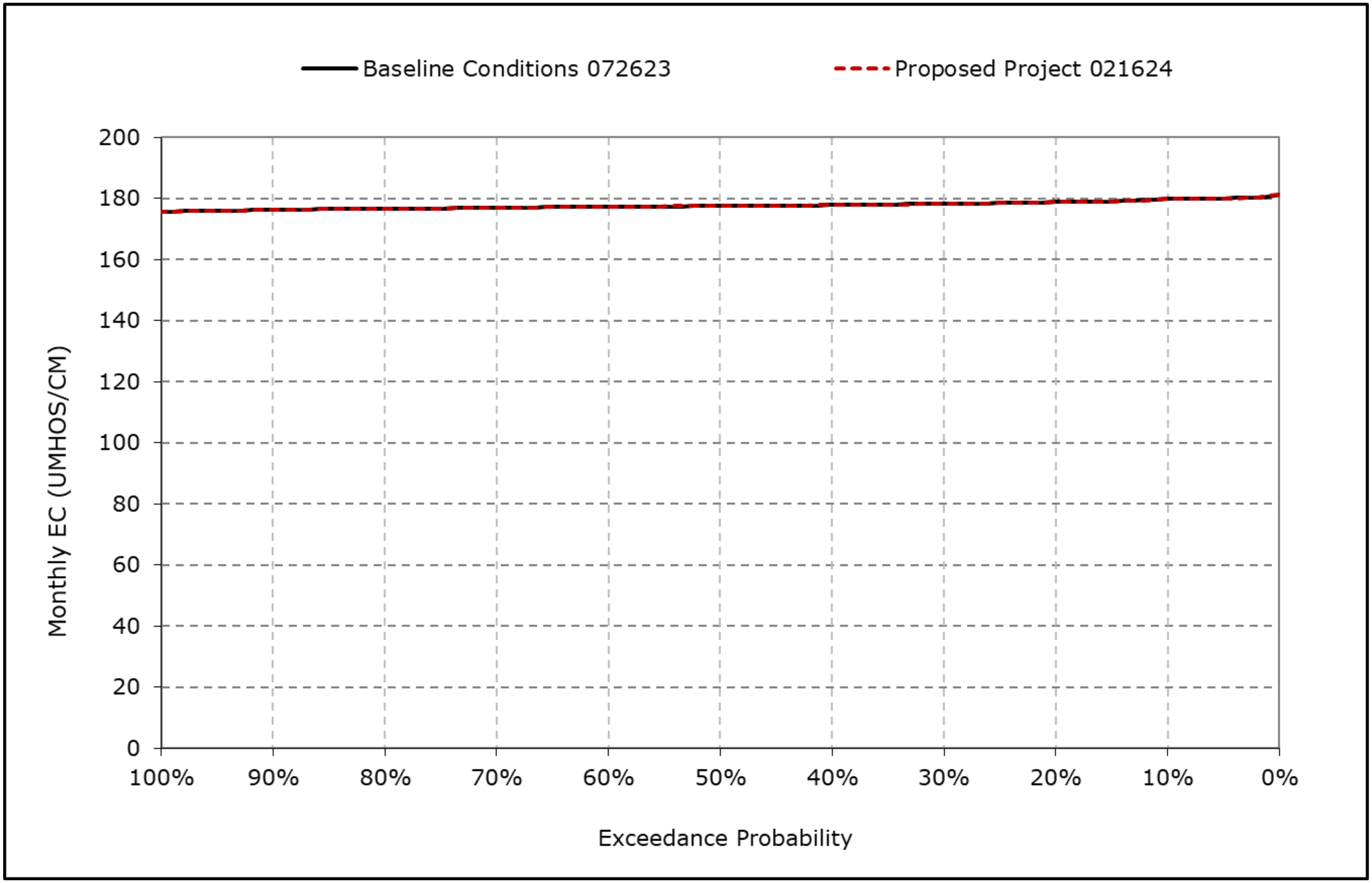
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-3j. Sacramento River downstream of Georgiana Slough Salinity, January EC



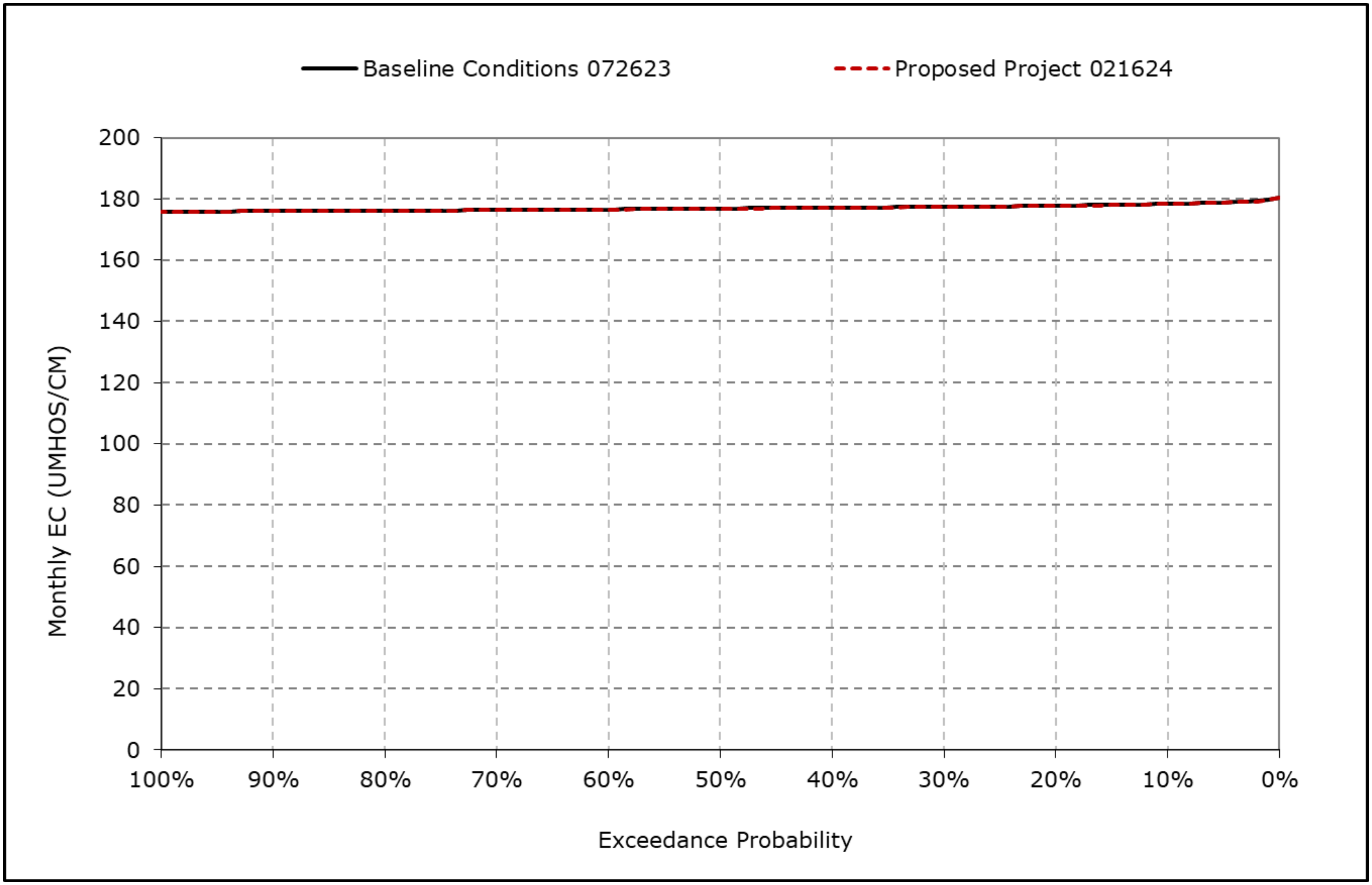
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-3k. Sacramento River downstream of Georgiana Slough Salinity, February EC



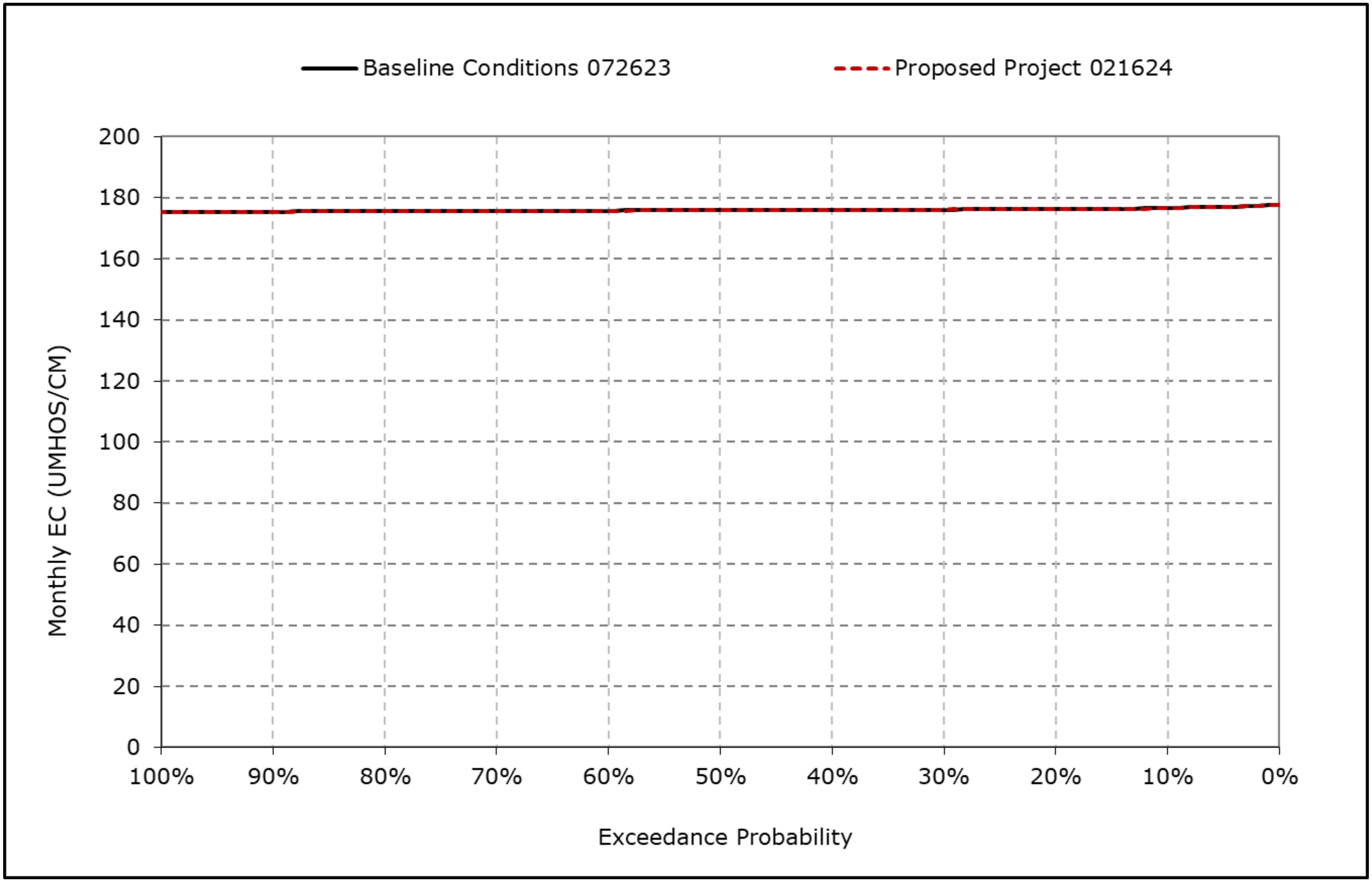
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-3l. Sacramento River downstream of Georgiana Slough Salinity, March EC



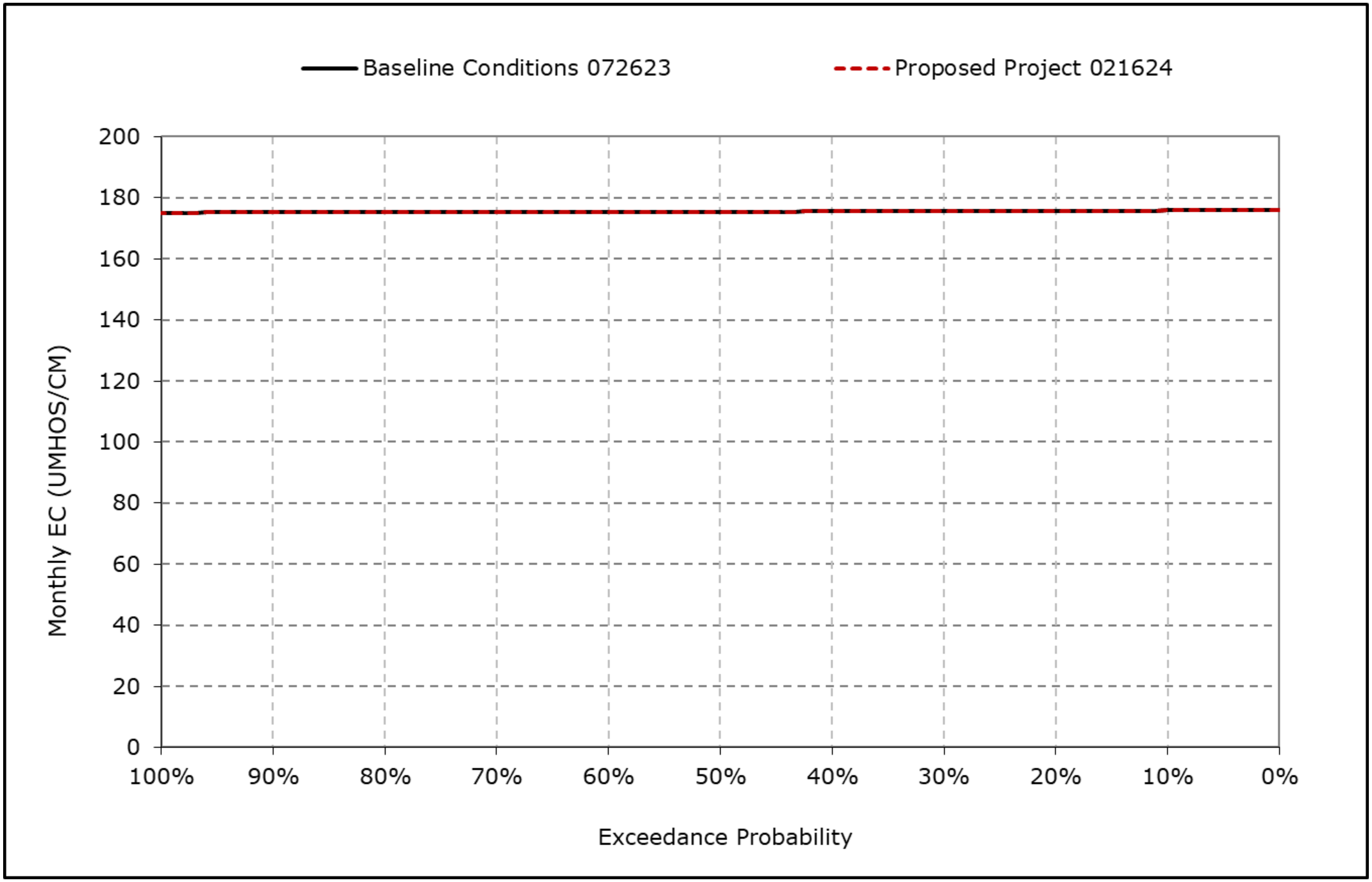
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-3m. Sacramento River downstream of Georgiana Slough Salinity, April EC



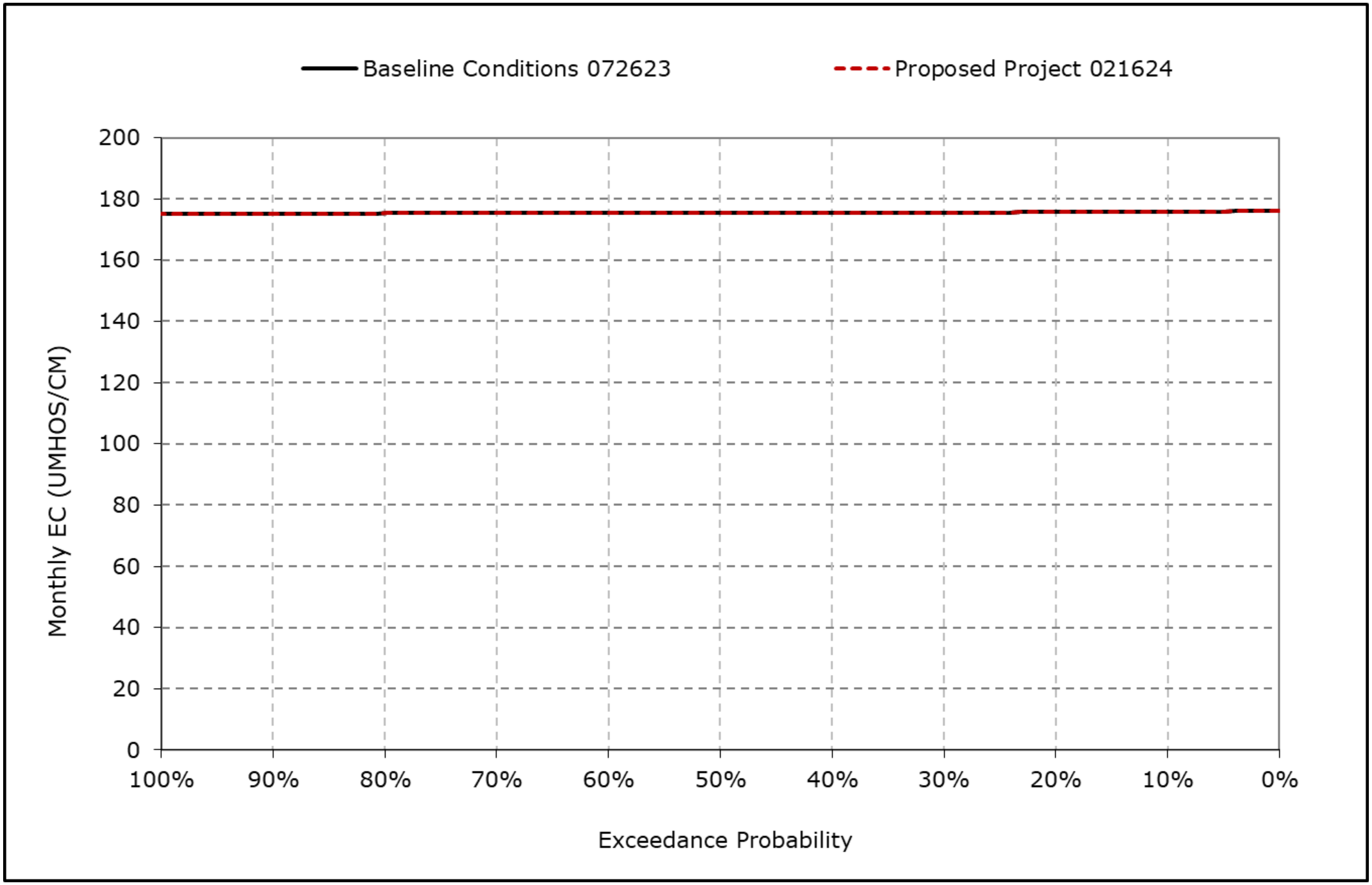
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-3n. Sacramento River downstream of Georgiana Slough Salinity, May EC



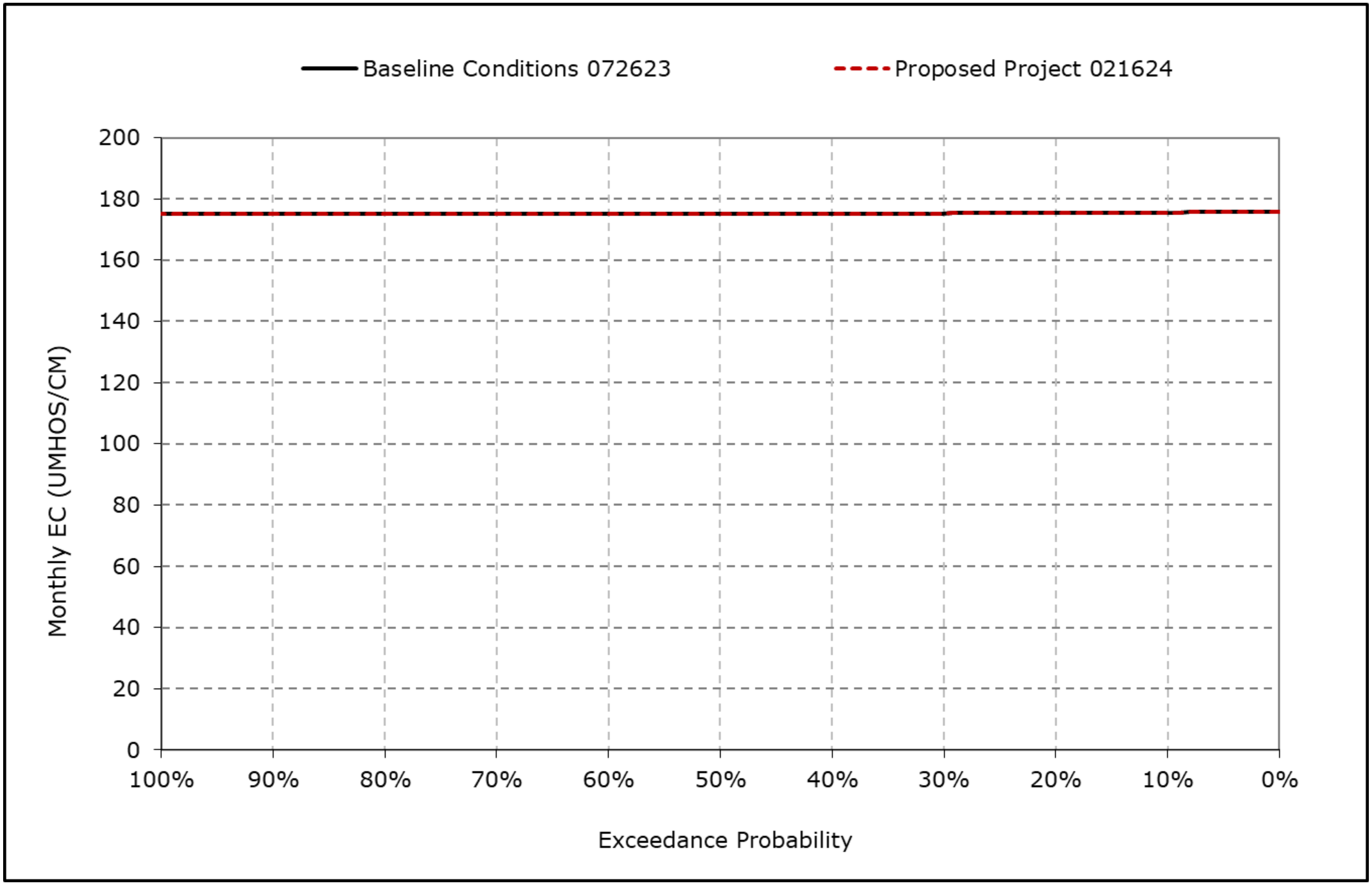
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-3o. Sacramento River downstream of Georgiana Slough Salinity, June EC



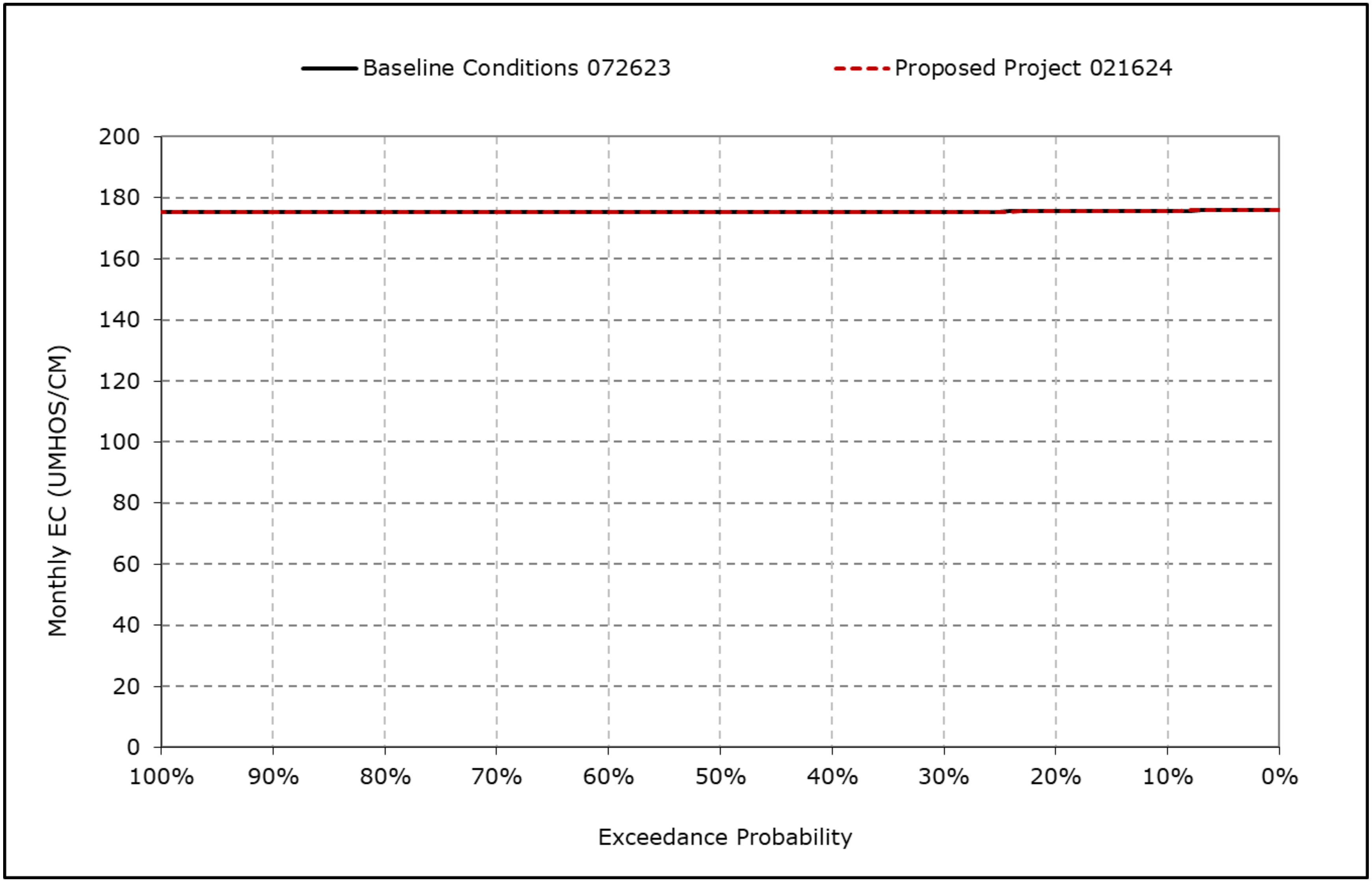
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-3p. Sacramento River downstream of Georgiana Slough Salinity, July EC



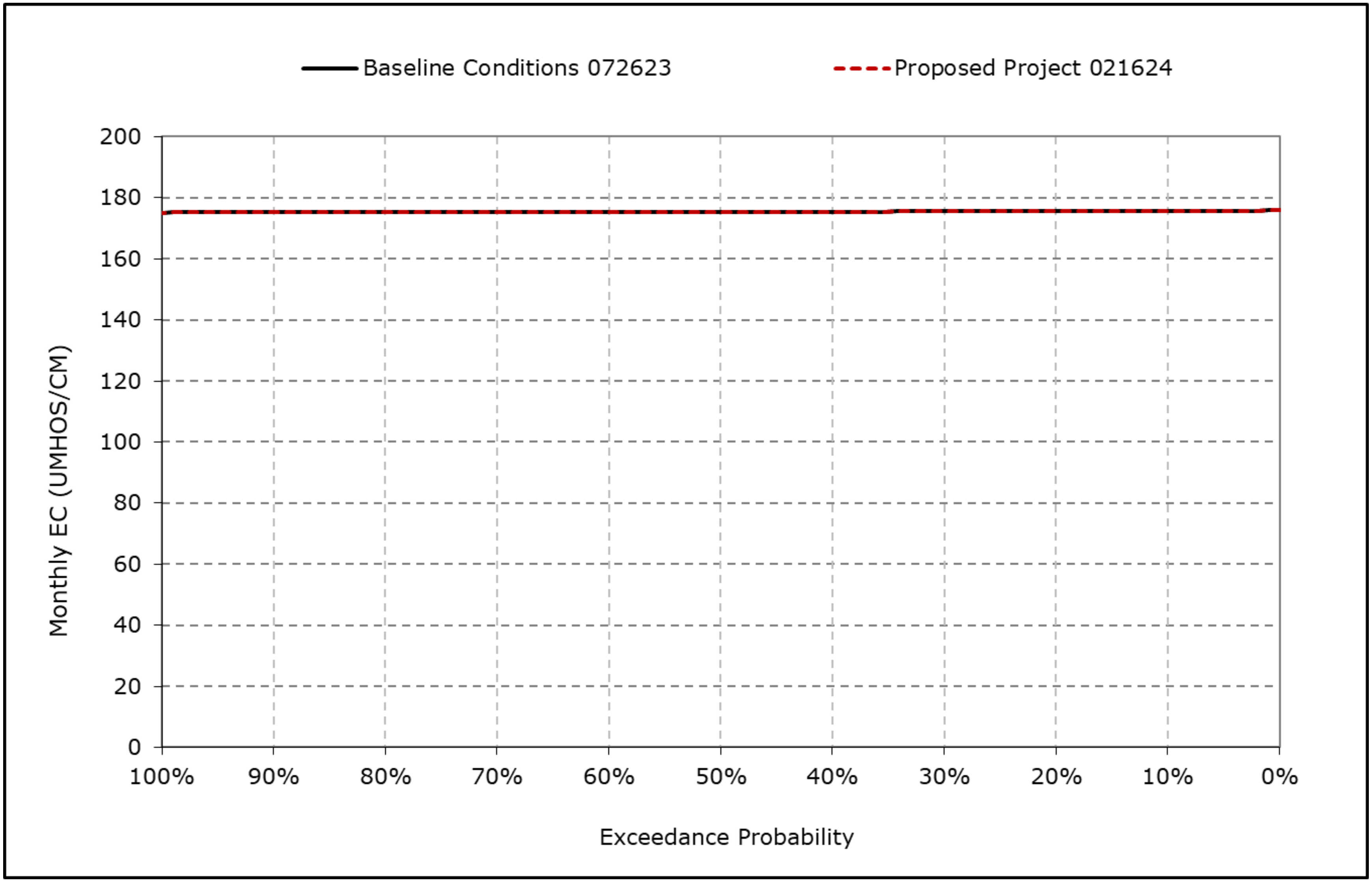
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-3q. Sacramento River downstream of Georgiana Slough Salinity, August EC



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

Figure 4B-6-3r. Sacramento River downstream of Georgiana Slough Salinity, September EC



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

Table 4B-6-4-1a. Sacramento River at Rio Vista Salinity, Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	468	503	356	275	207	200	199	208	262	263	370	403
20% Exceedance	394	390	315	238	198	192	196	192	205	222	295	348
30% Exceedance	358	340	269	216	194	189	191	190	199	208	262	319
40% Exceedance	323	299	253	200	191	188	189	187	196	199	228	278
50% Exceedance	285	232	231	191	187	186	186	184	191	193	218	250
60% Exceedance	189	222	202	188	184	183	184	182	188	186	200	194
70% Exceedance	186	212	190	183	182	181	182	180	183	184	195	189
80% Exceedance	185	201	184	181	180	180	180	178	179	182	192	187
90% Exceedance	183	185	180	179	179	179	178	177	177	181	188	186
Full Simulation Period Average[a]	294	301	249	213	193	188	188	189	203	210	245	269
Wet Water Years (30%)	258	237	194	185	180	180	180	179	181	182	191	186
Above Normal Years (11%)	305	319	229	189	184	182	182	181	184	183	193	188
Below Normal Years (21%)	275	270	268	208	190	186	188	185	194	194	221	261
Dry Water Years (22%)	288	302	270	229	199	192	192	190	201	214	272	324
Critical Water Years (16%)	389	452	310	265	221	206	204	220	273	296	377	416

Table 4B-6-4-1b. Sacramento River at Rio Vista Salinity, Proposed Project 021624, Monthly EC (UMHOS/CM)

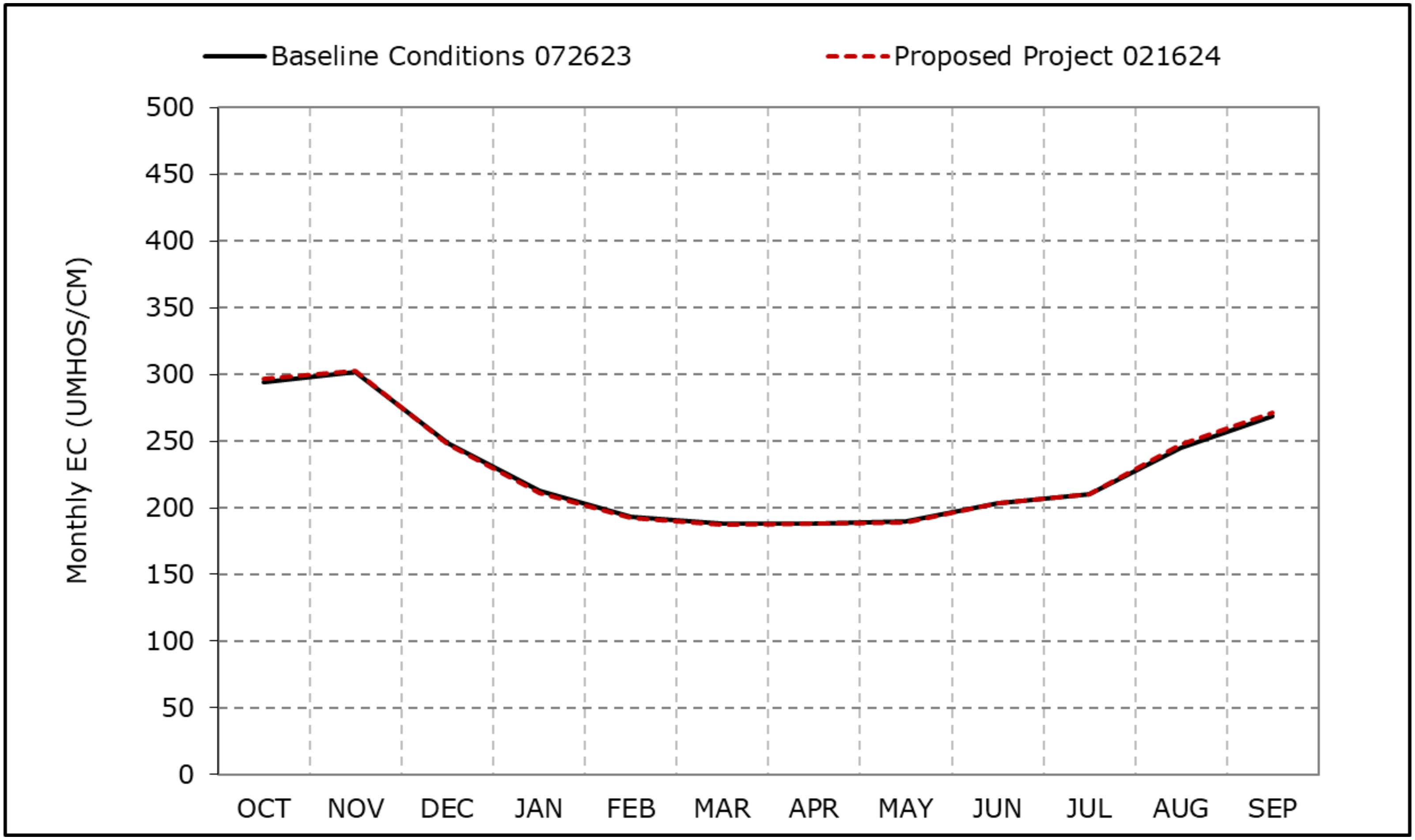
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	476	503	357	268	205	198	198	210	267	269	364	401
20% Exceedance	386	390	308	242	198	192	195	192	204	225	293	353
30% Exceedance	364	347	273	212	194	189	191	190	201	209	279	321
40% Exceedance	323	300	254	199	191	188	188	187	196	197	227	286
50% Exceedance	282	236	229	192	187	186	186	184	191	193	218	247
60% Exceedance	190	221	202	188	184	183	183	182	187	186	203	193
70% Exceedance	187	213	190	183	182	181	182	180	183	184	198	190
80% Exceedance	185	200	184	181	180	180	180	178	179	182	195	187
90% Exceedance	184	185	180	179	179	179	178	177	177	181	191	186
Full Simulation Period Average[a]	296	303	248	211	192	188	188	189	204	210	248	271
Wet Water Years (30%)	260	237	194	184	180	180	180	179	180	182	193	187
Above Normal Years (11%)	306	319	232	189	184	182	182	180	184	184	197	188
Below Normal Years (21%)	274	272	267	206	190	186	187	185	193	193	221	261
Dry Water Years (22%)	291	300	270	229	198	190	191	189	202	215	281	330
Critical Water Years (16%)	394	458	302	257	214	203	204	221	277	296	376	417

Table 4B-6-4-1c. Sacramento River at Rio Vista Salinity, Proposed Project 021624 minus Baseline Conditions 072623, Monthly EC (UMHOS/CM)

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

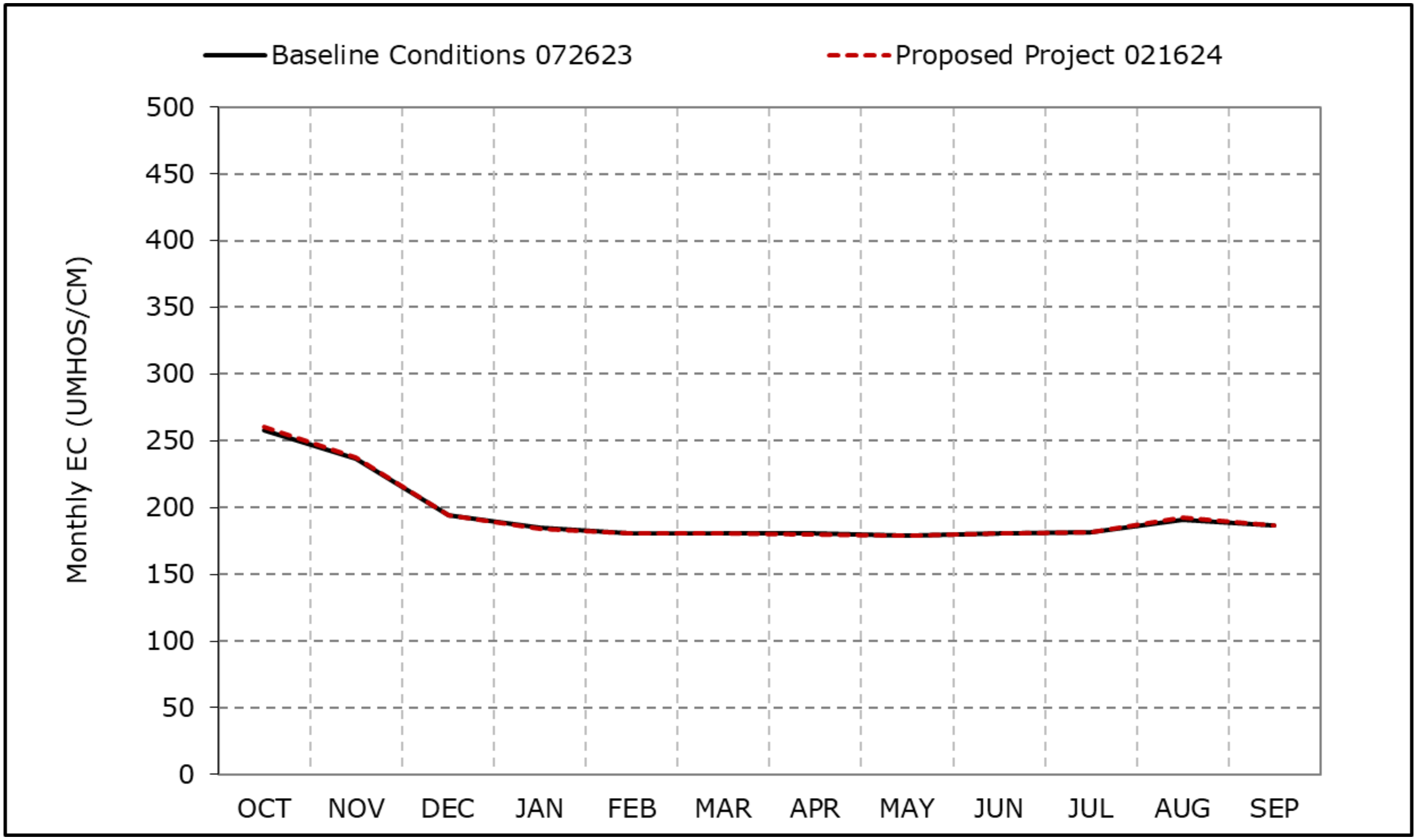
[a] Based on the 100-year simulation period.
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-6-4a. Sacramento River at Rio Vista Salinity, Long-Term Average EC



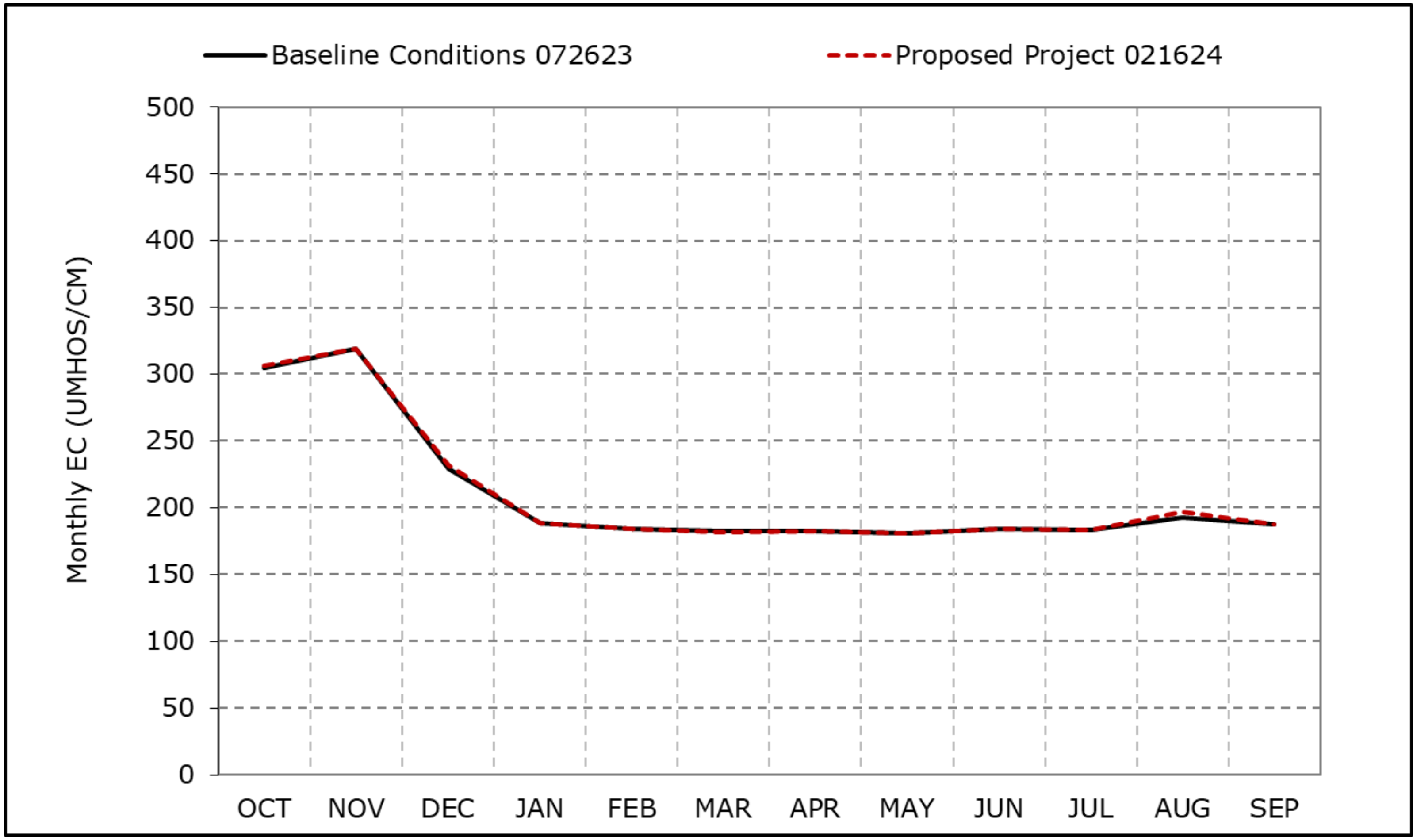
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-4b. Sacramento River at Rio Vista Salinity, Wet Year Average EC



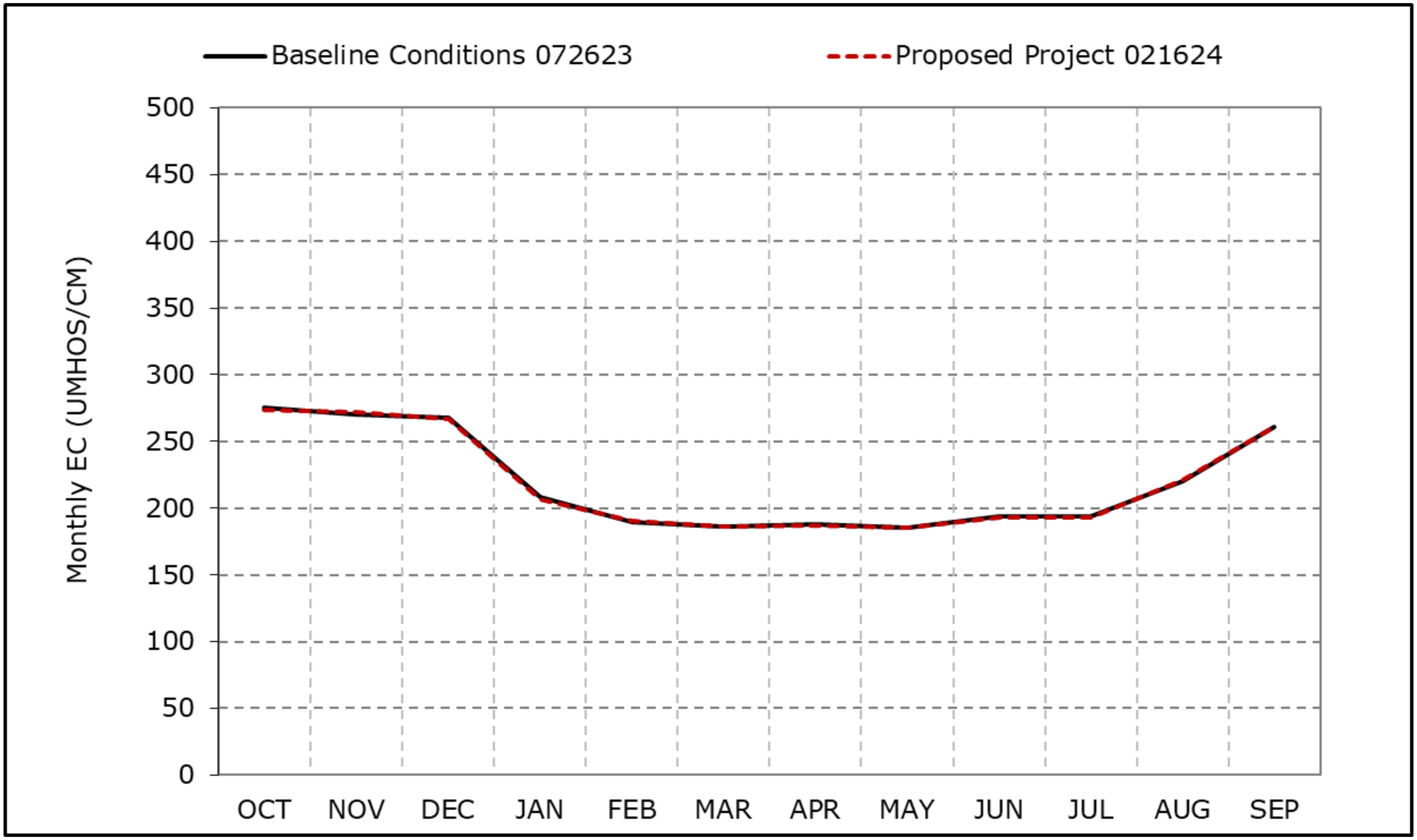
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-4c. Sacramento River at Rio Vista Salinity, Above Normal Year Average EC



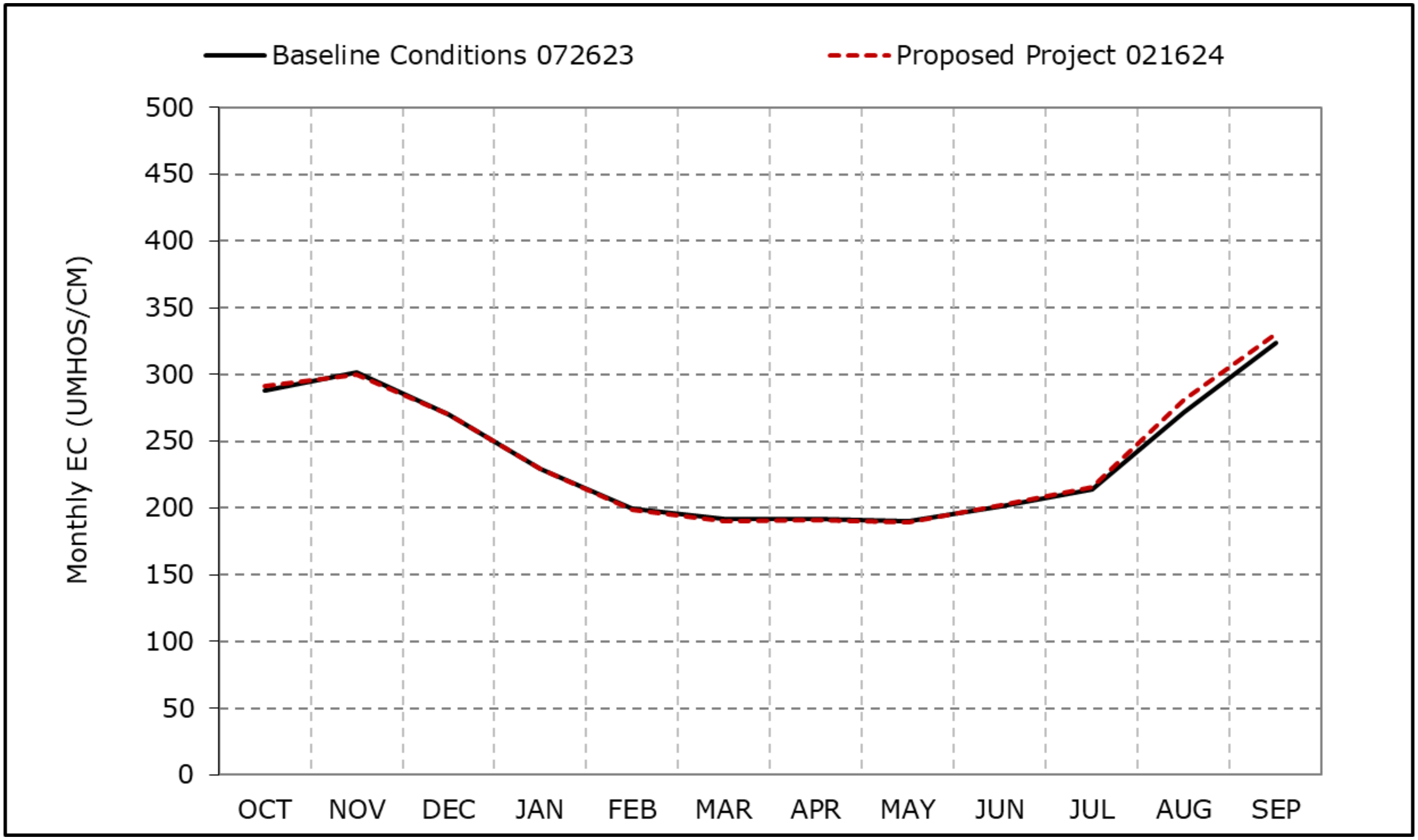
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-4d. Sacramento River at Rio Vista Salinity, Below Normal Year Average EC



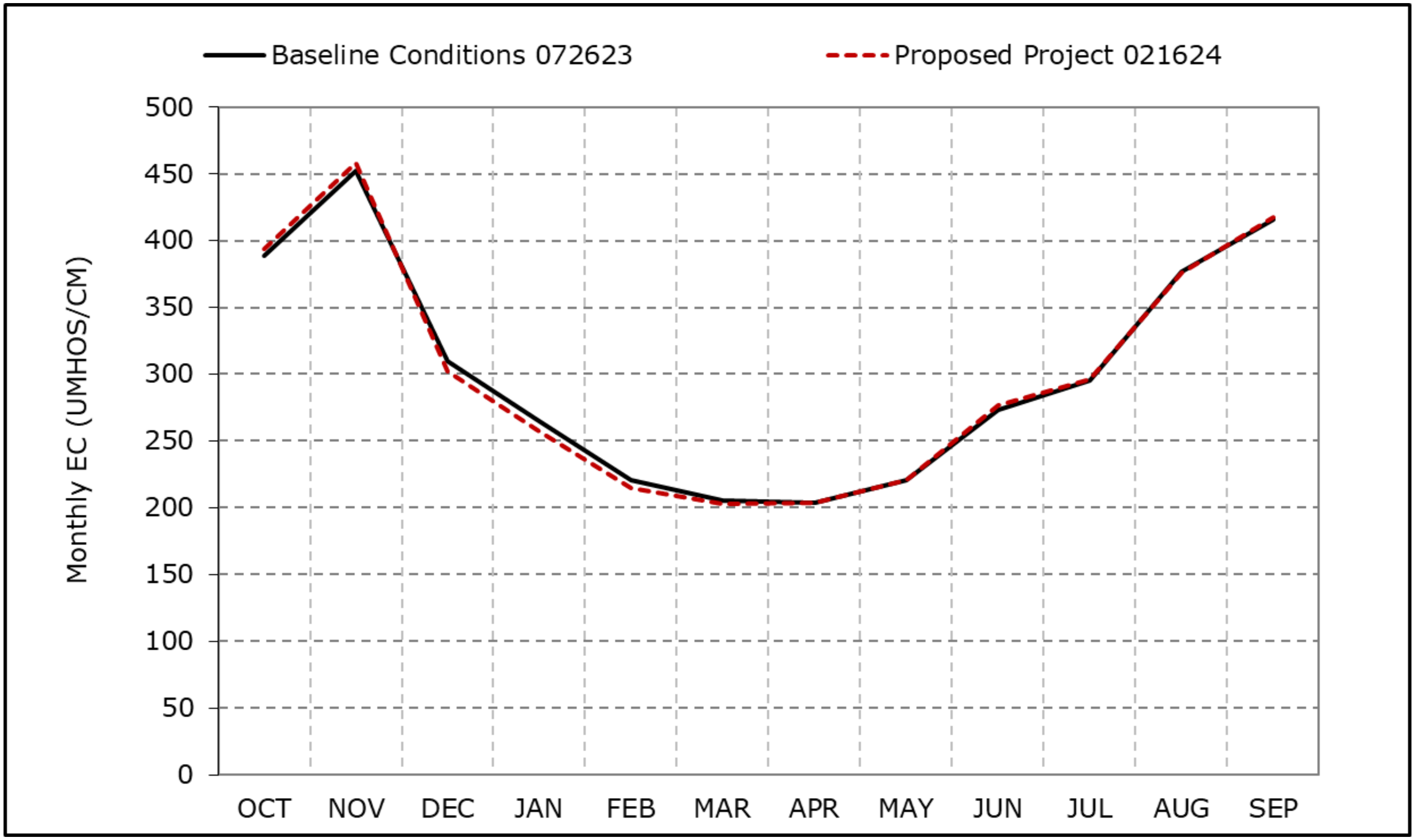
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-4e. Sacramento River at Rio Vista Salinity, Dry Year Average EC



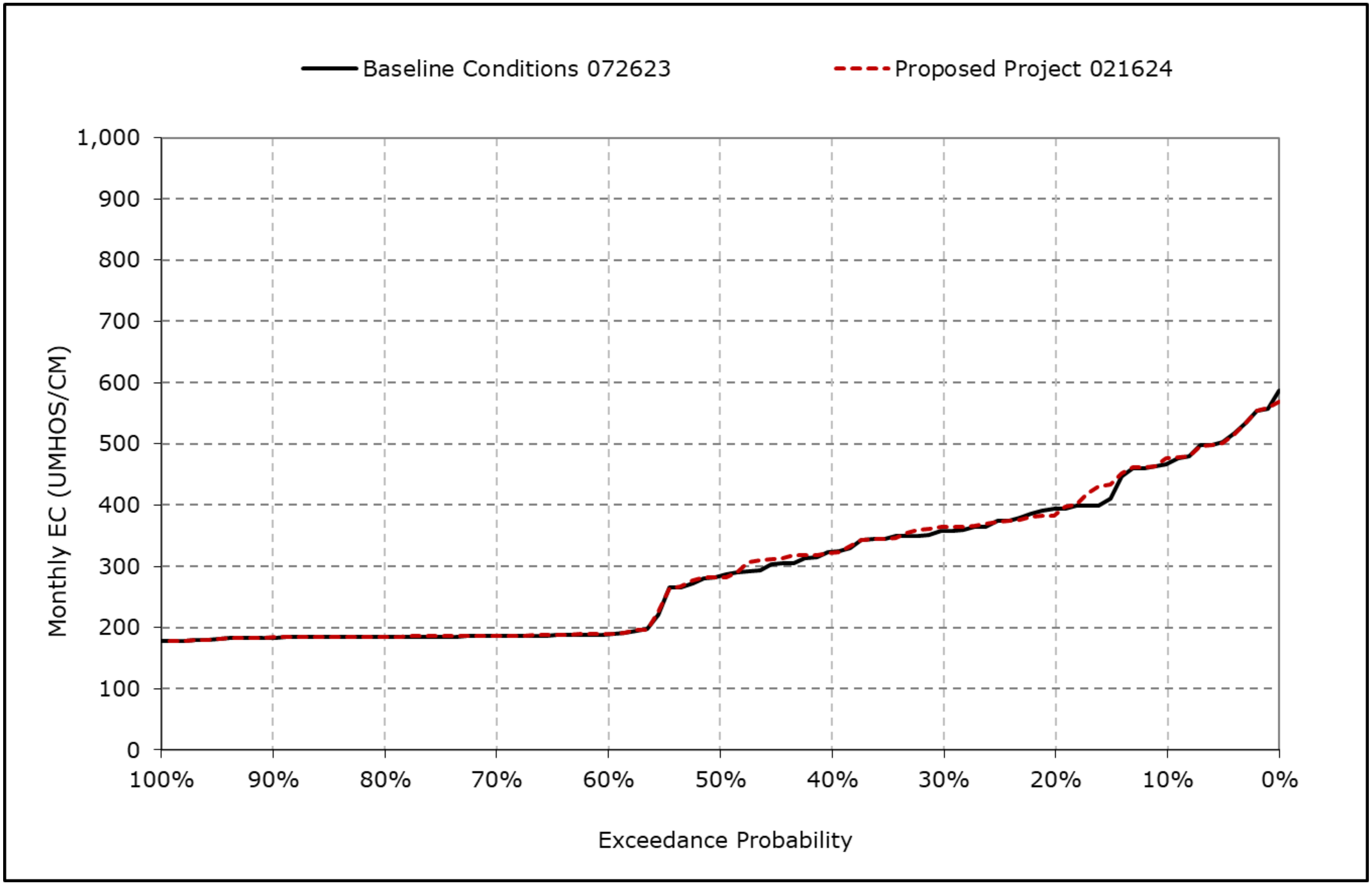
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-4f. Sacramento River at Rio Vista Salinity, Critical Year Average EC



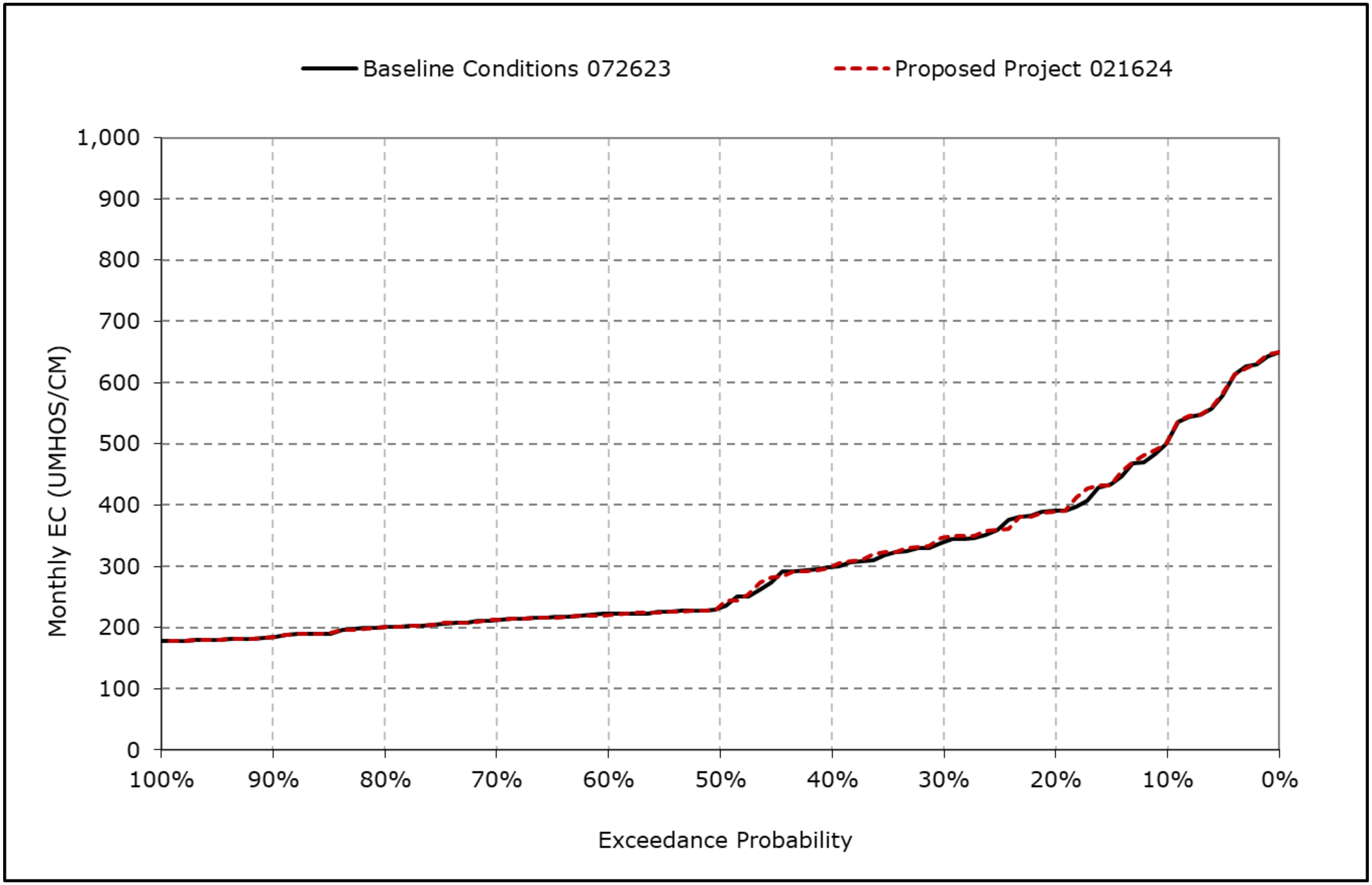
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-4g. Sacramento River at Rio Vista Salinity, October EC



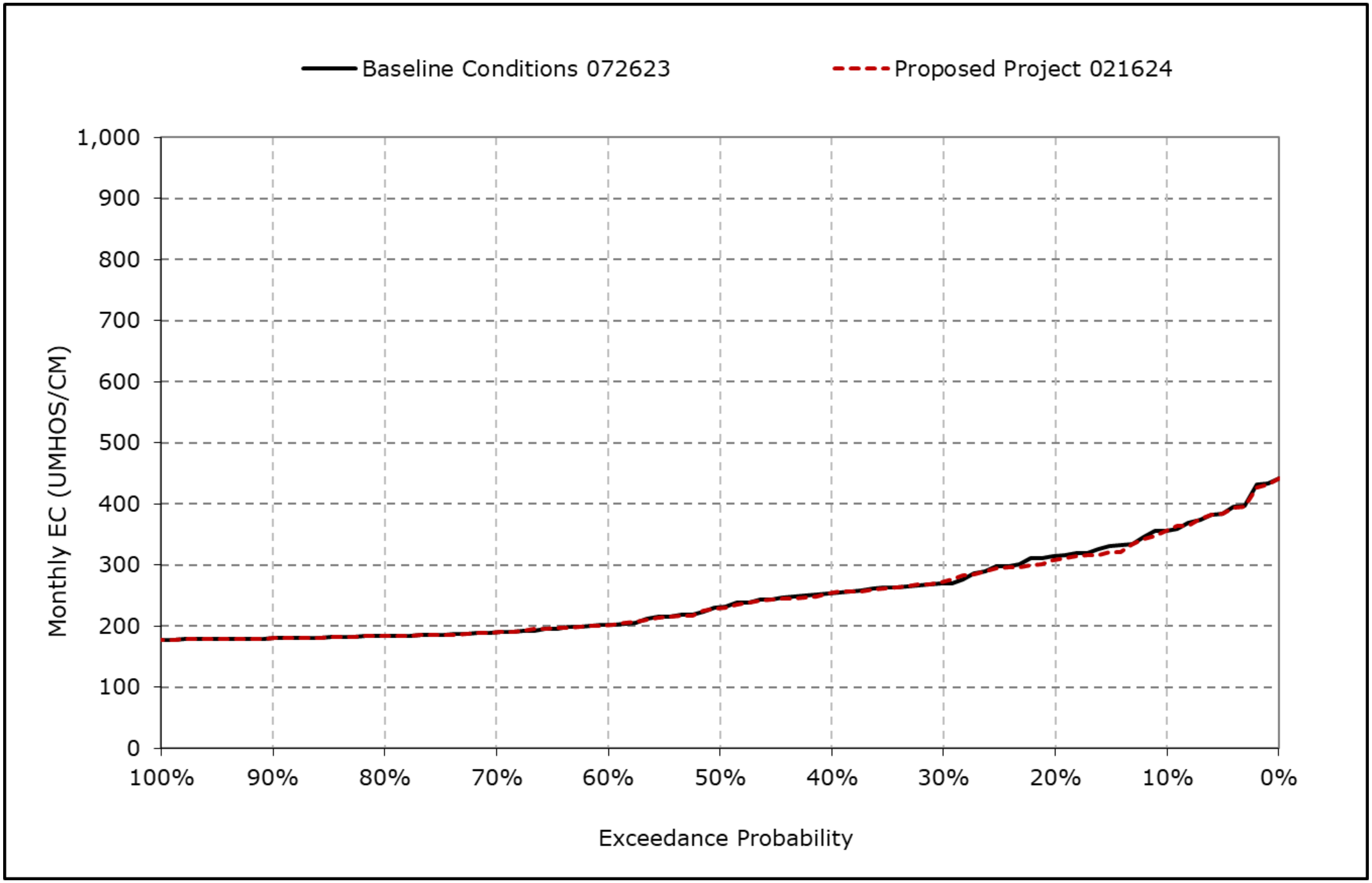
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-4h. Sacramento River at Rio Vista Salinity, November EC



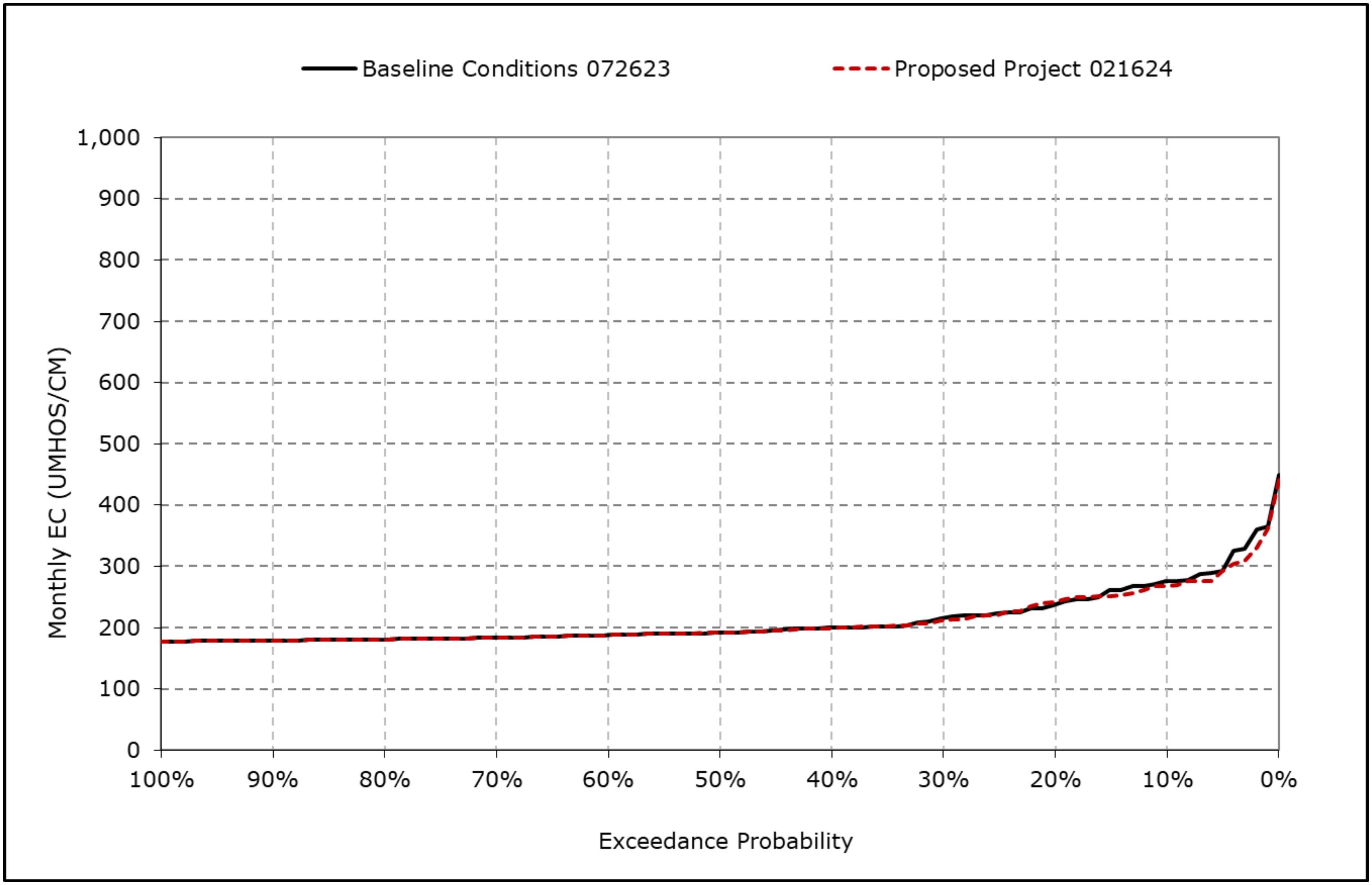
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-4i. Sacramento River at Rio Vista Salinity, December EC



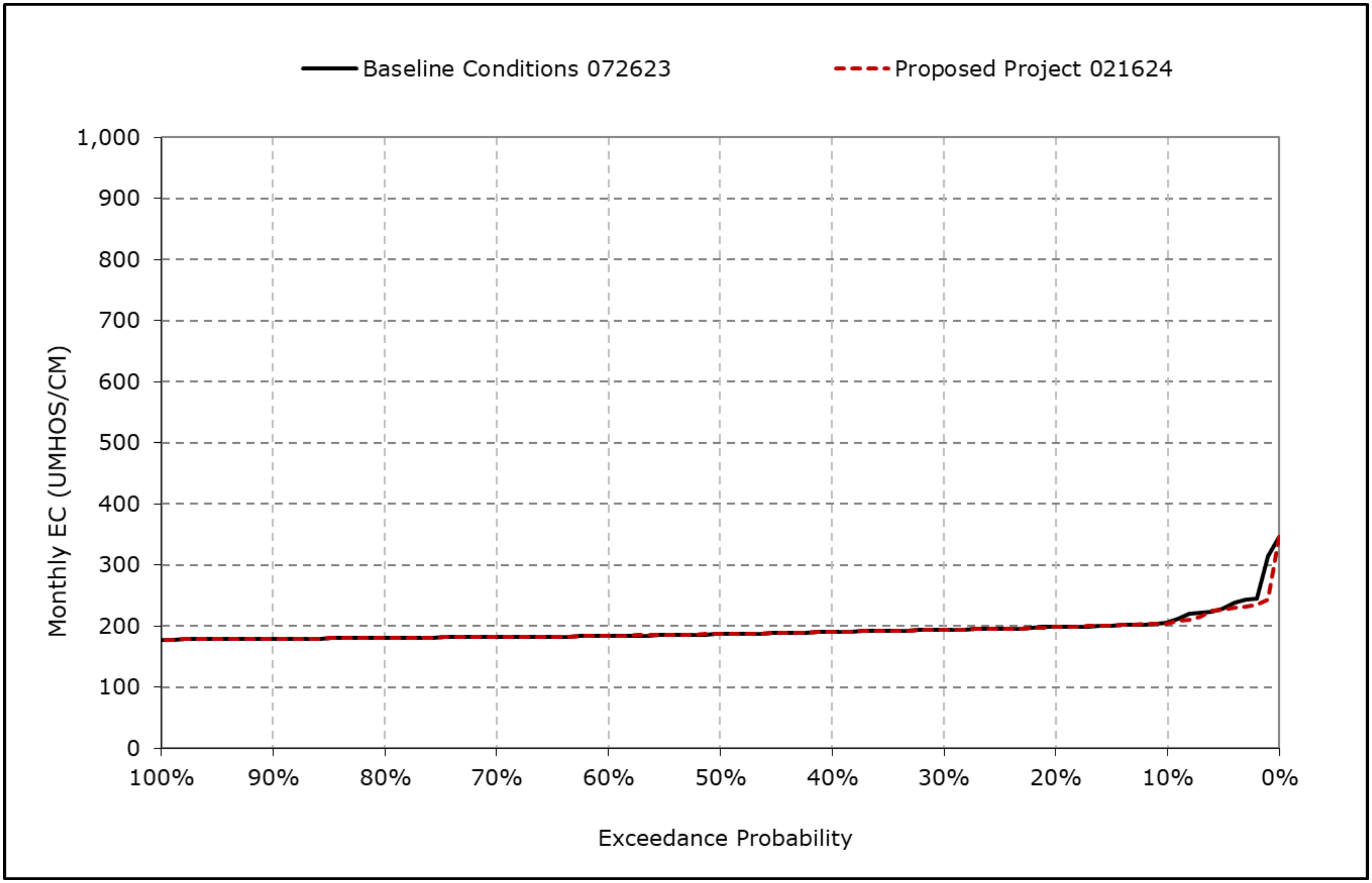
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-4j. Sacramento River at Rio Vista Salinity, January EC



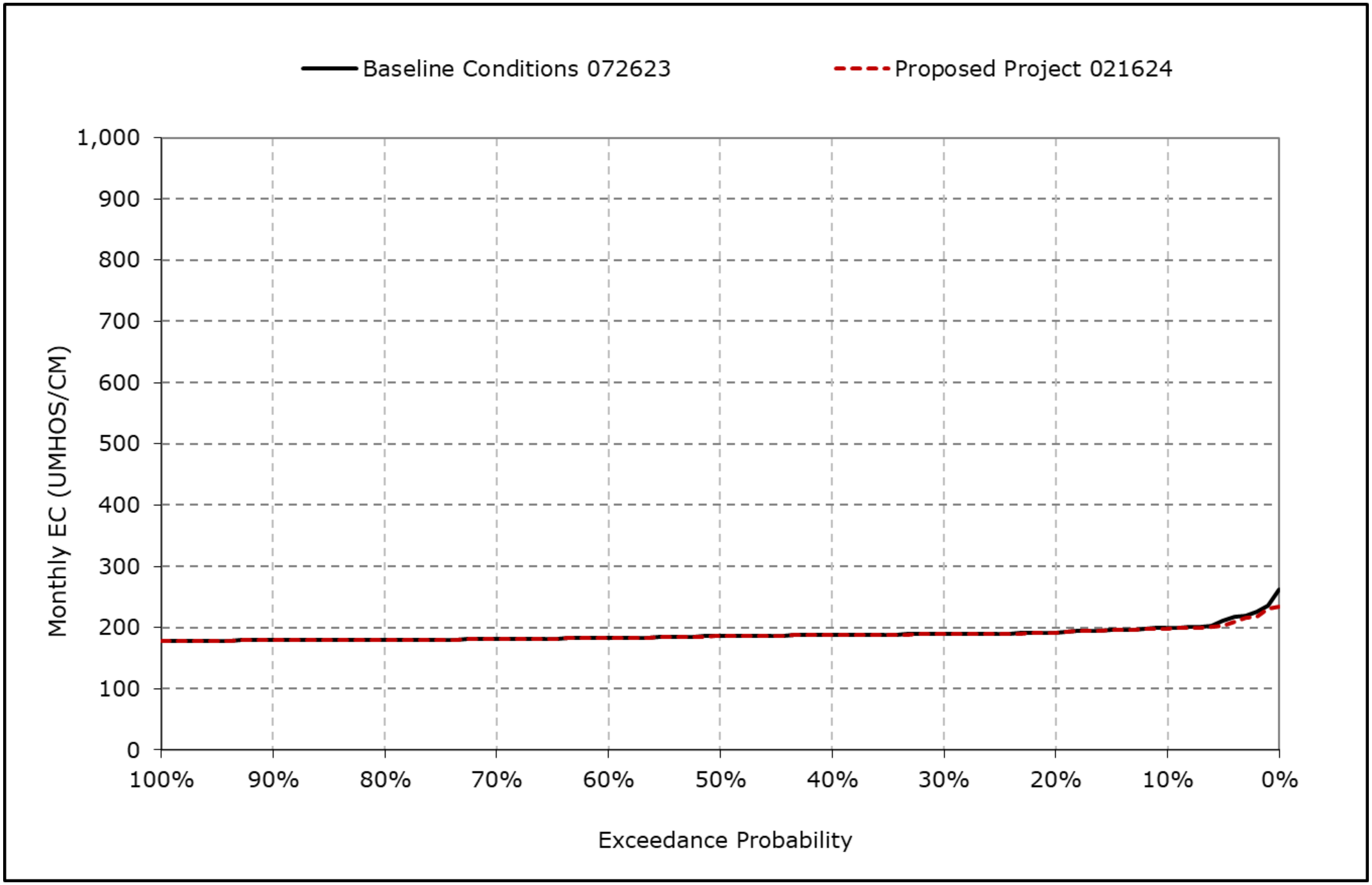
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-4k. Sacramento River at Rio Vista Salinity, February EC



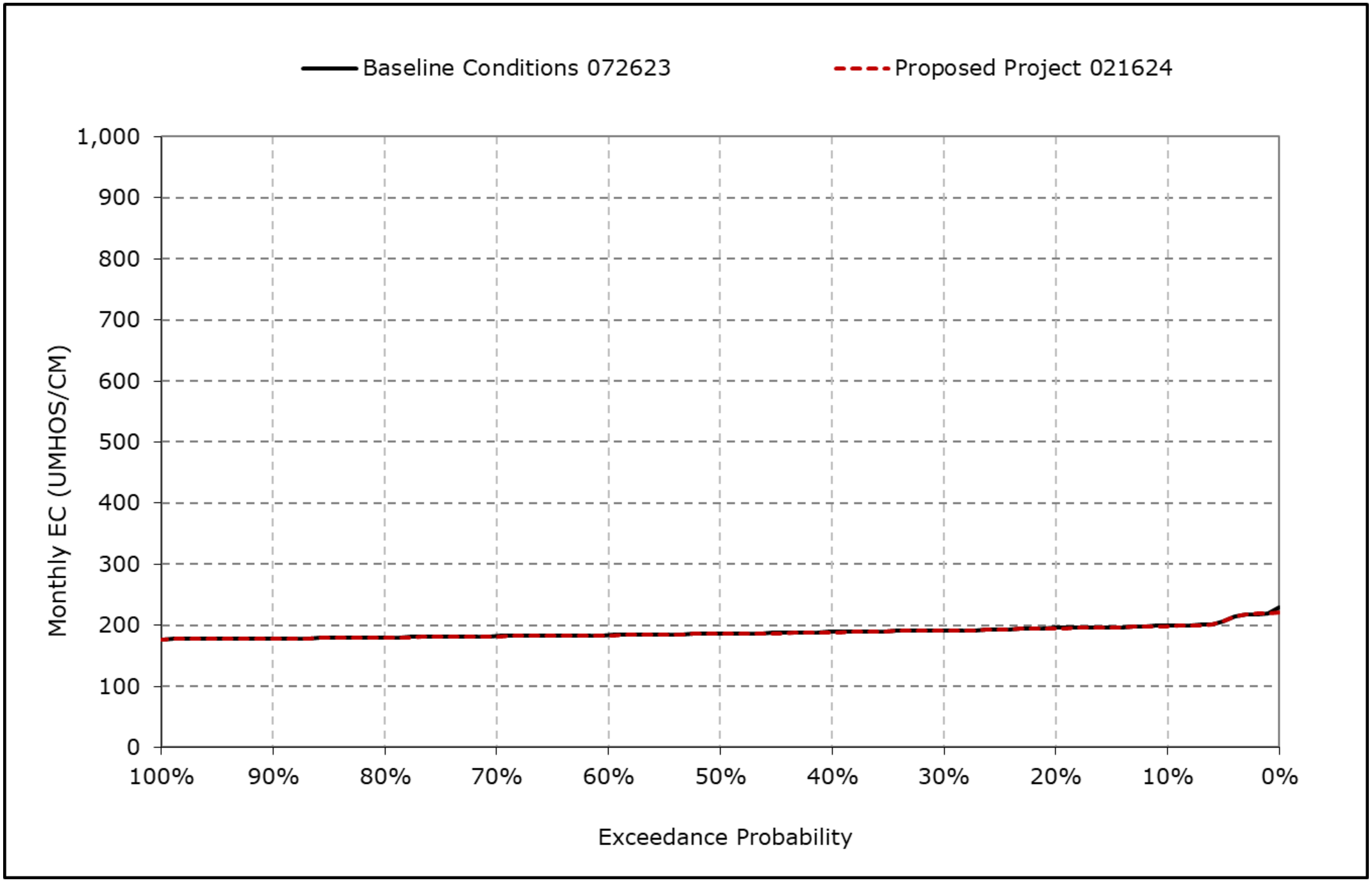
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-4l. Sacramento River at Rio Vista Salinity, March EC



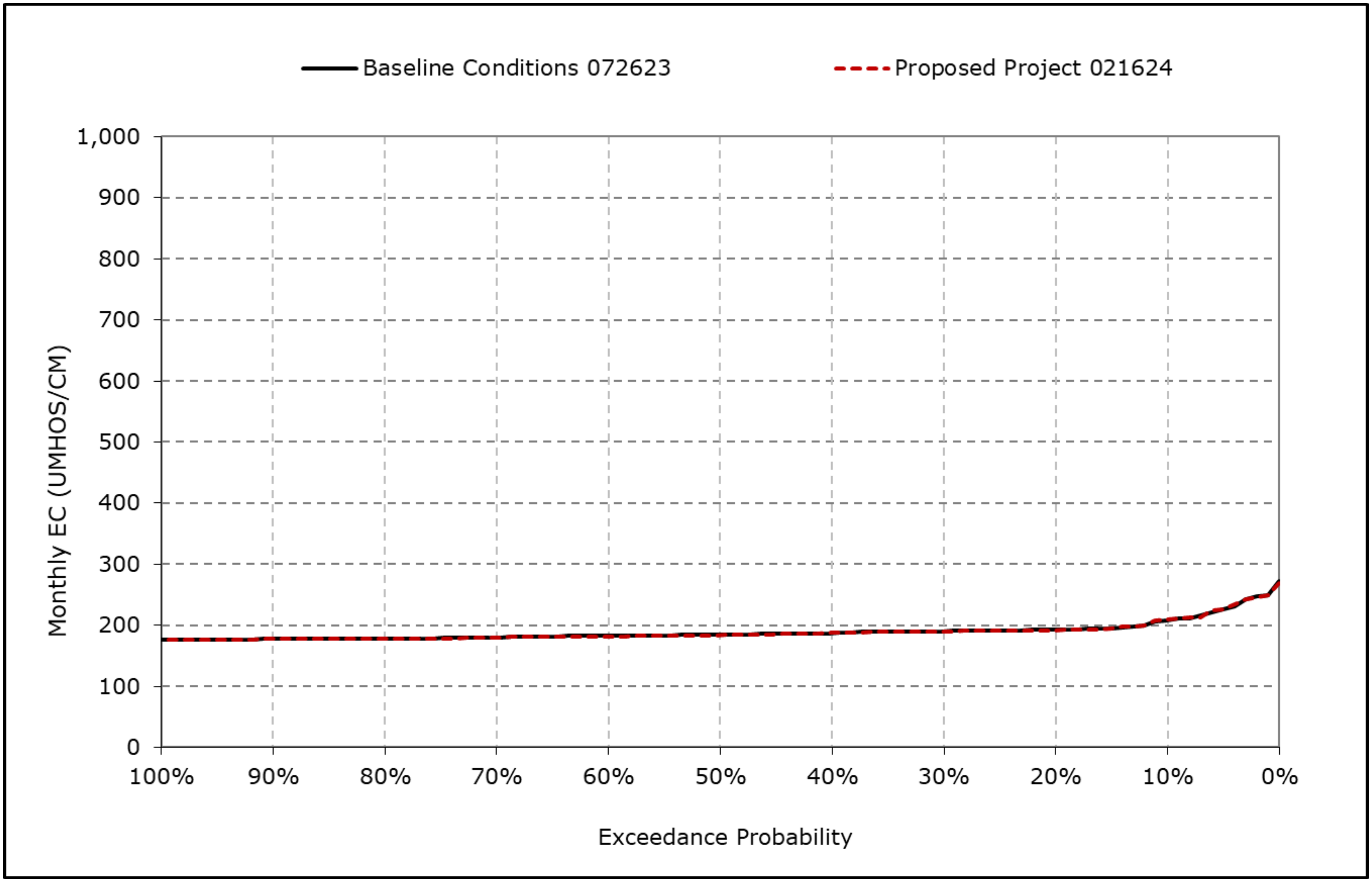
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-4m. Sacramento River at Rio Vista Salinity, April EC



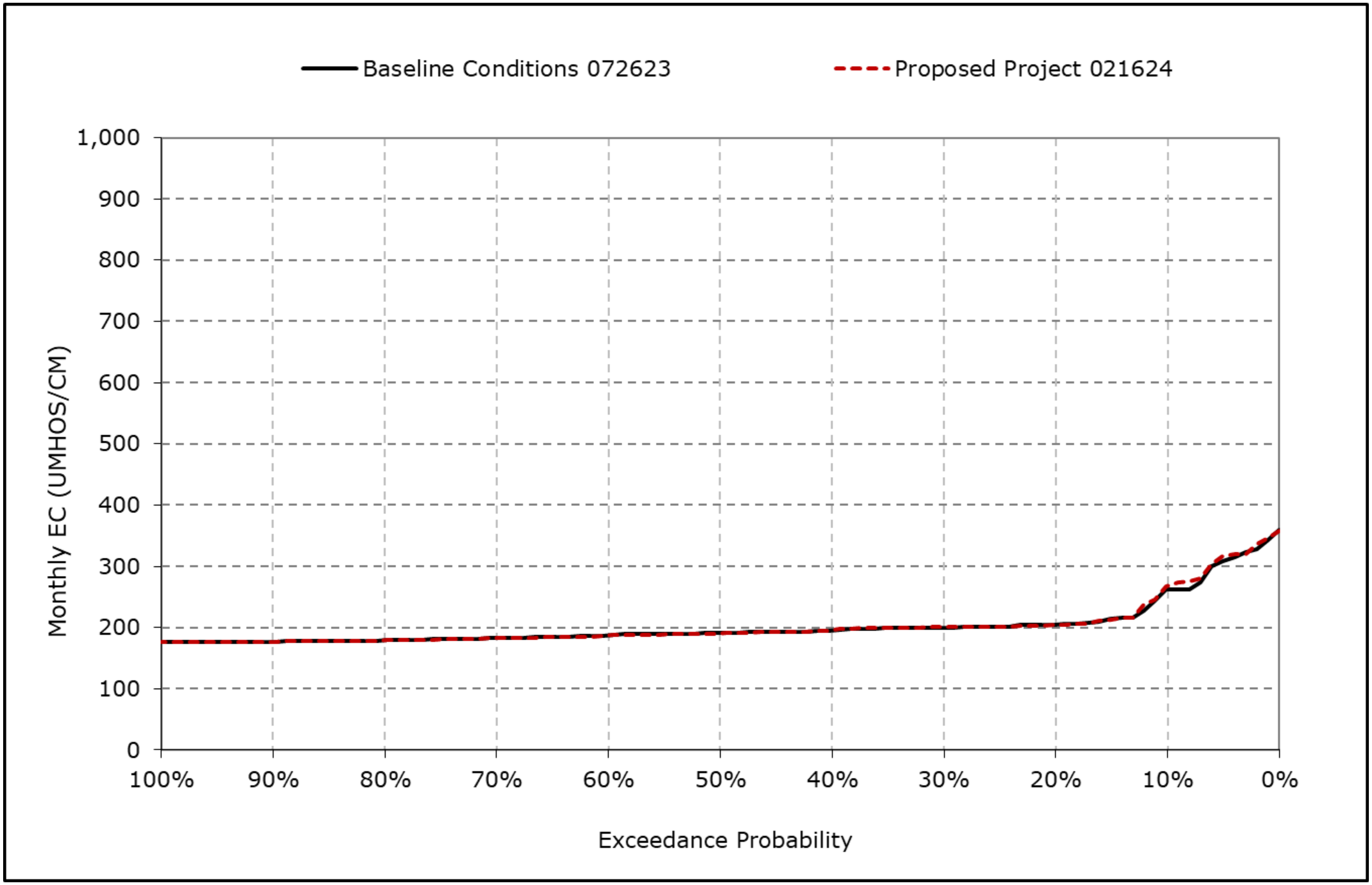
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-4n. Sacramento River at Rio Vista Salinity, May EC



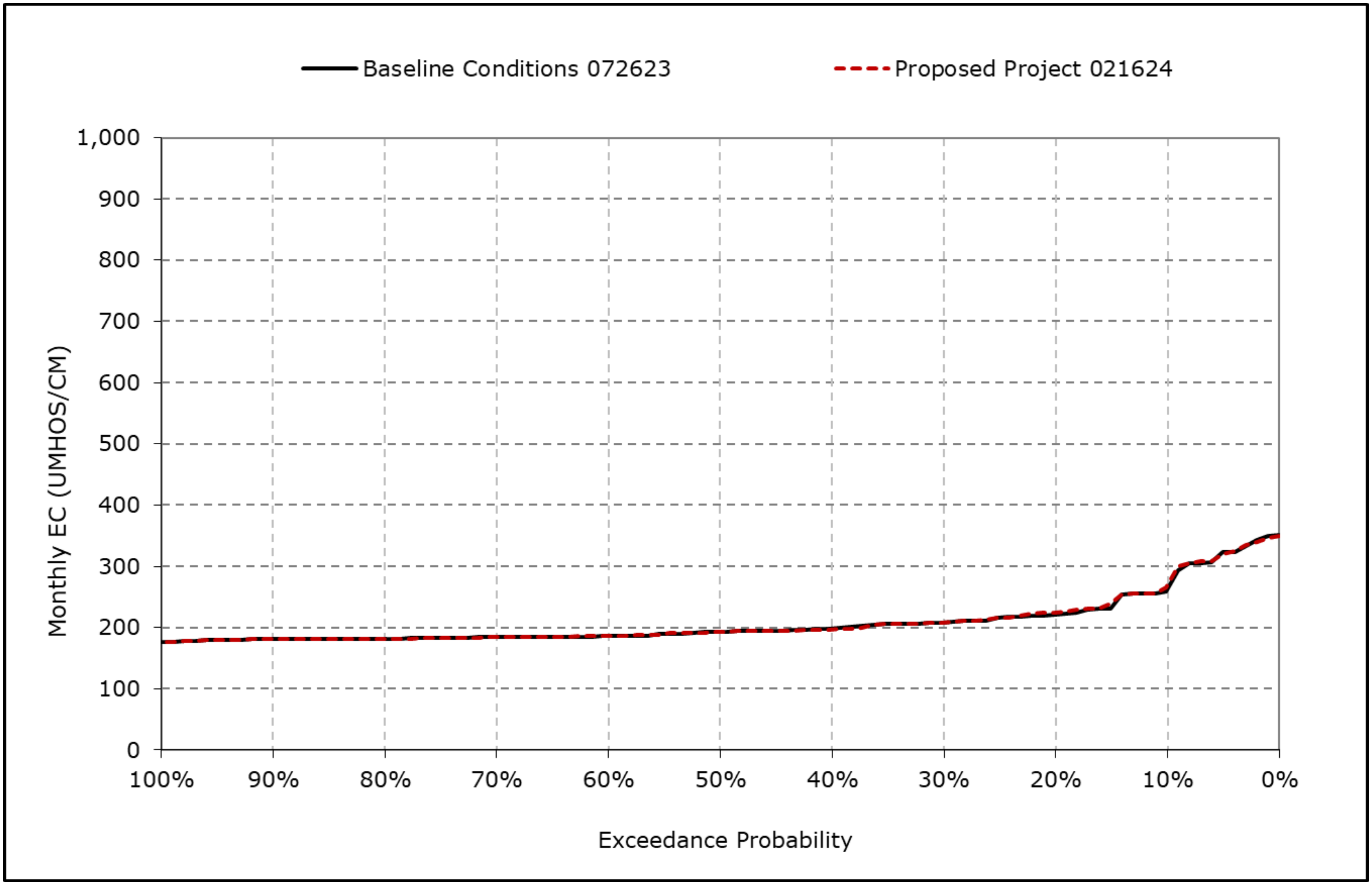
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-4o. Sacramento River at Rio Vista Salinity, June EC



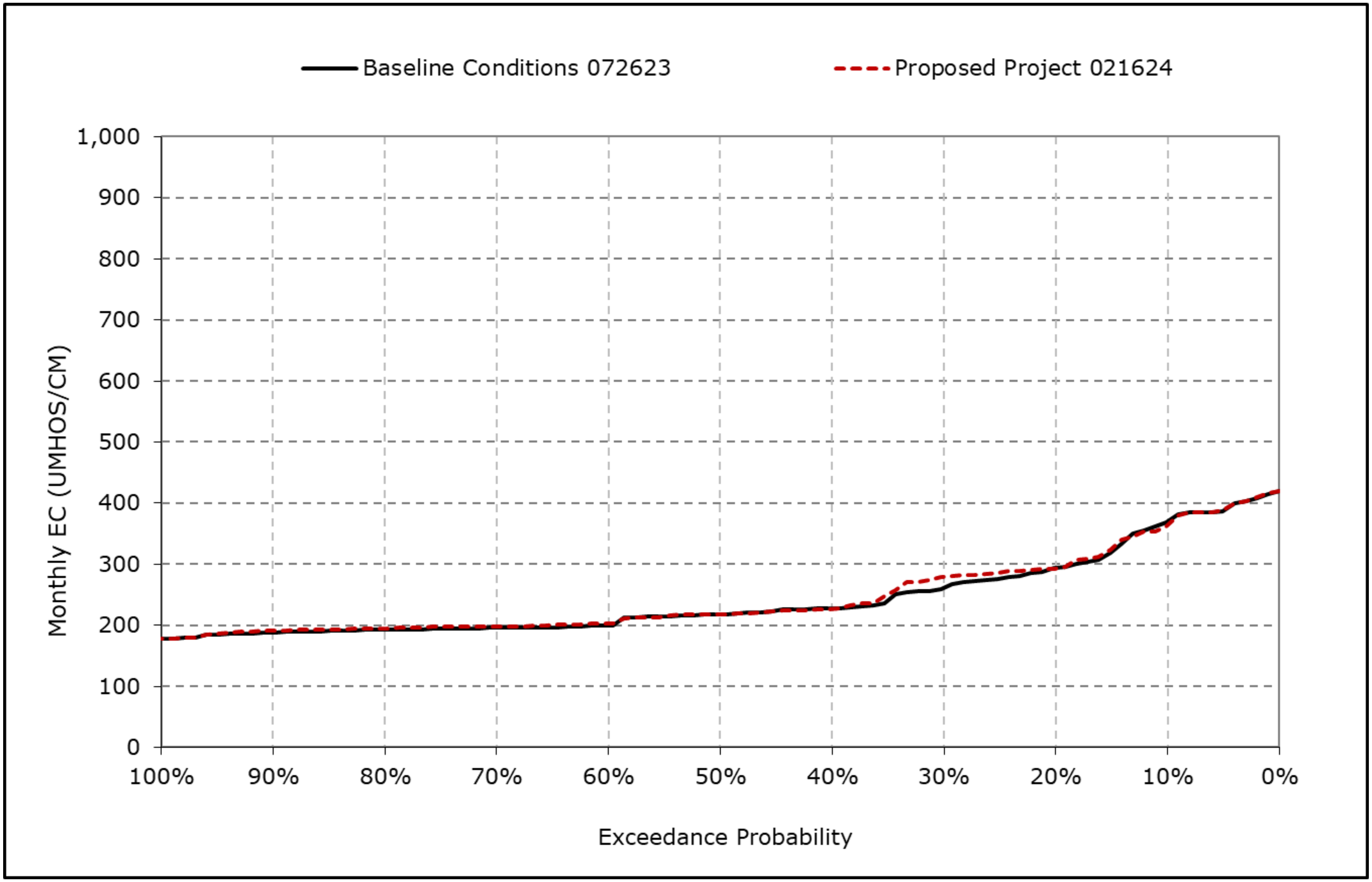
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-4p. Sacramento River at Rio Vista Salinity, July EC



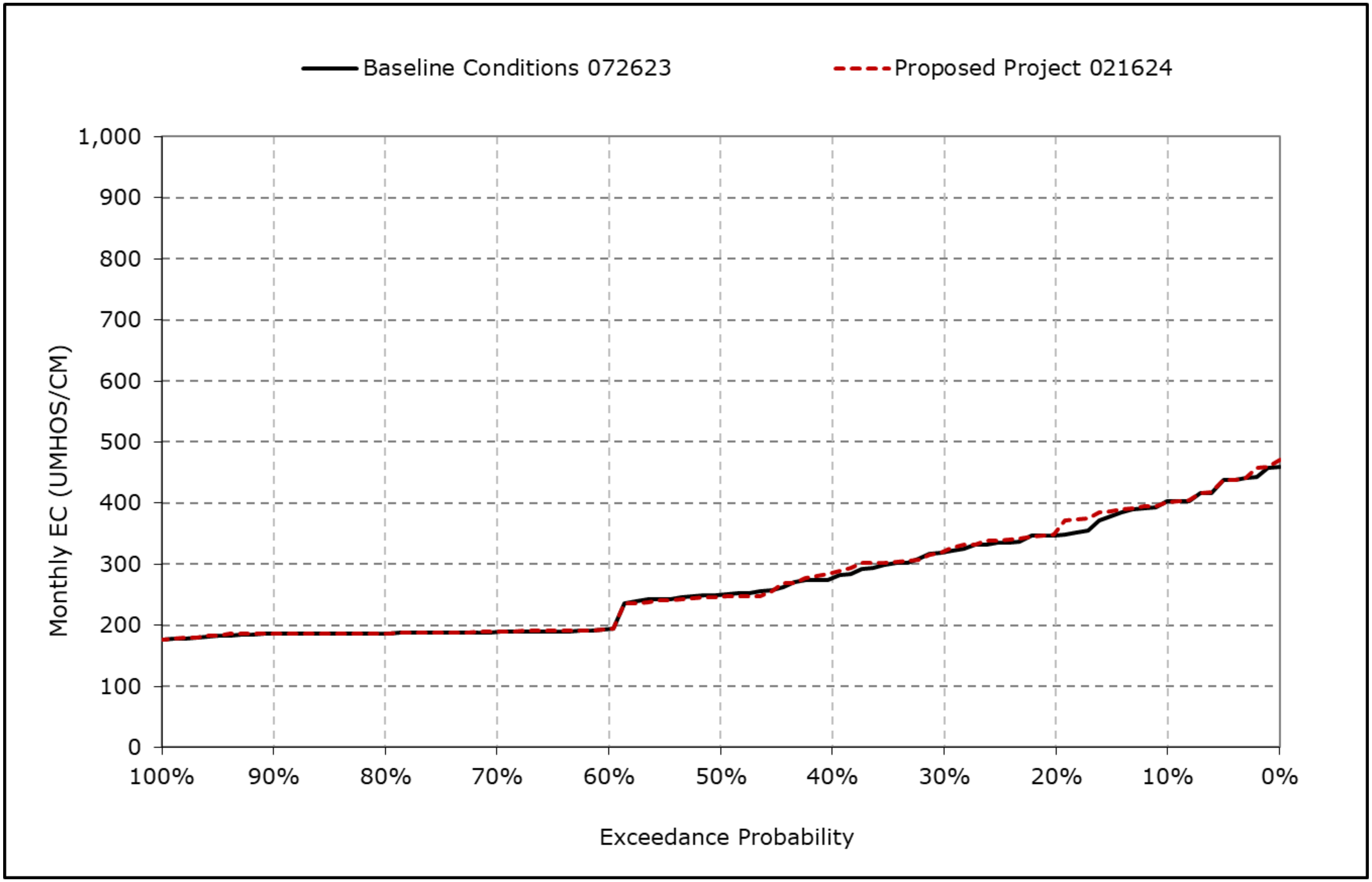
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-4q. Sacramento River at Rio Vista Salinity, August EC



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

Figure 4B-6-4r. Sacramento River at Rio Vista Salinity, September EC



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

Table 4B-6-5-1a. Sacramento River at Emmaton Salinity, Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,571	3,480	2,195	1,317	405	324	411	645	1,223	1,448	2,412	3,026
20% Exceedance	2,781	2,651	1,807	879	300	239	292	374	663	955	1,758	2,519
30% Exceedance	2,562	2,346	1,239	565	241	204	245	328	592	757	1,492	2,231
40% Exceedance	2,118	1,858	1,071	342	209	197	217	250	523	612	1,032	1,636
50% Exceedance	1,644	1,024	710	293	199	195	202	209	408	487	873	1,277
60% Exceedance	454	909	427	228	191	191	197	201	299	387	645	462
70% Exceedance	381	758	284	190	185	185	190	190	227	341	552	401
80% Exceedance	362	577	216	185	183	183	185	183	185	291	531	376
90% Exceedance	334	275	192	181	180	181	180	178	179	261	444	364
Full Simulation Period Average[a]	1,621	1,628	977	534	293	241	260	322	534	682	1,127	1,436
Wet Water Years (30%)	1,227	986	354	231	183	183	186	189	225	284	477	362
Above Normal Years (11%)	1,726	1,729	788	246	190	186	192	195	285	323	522	381
Below Normal Years (21%)	1,403	1,366	1,194	494	233	201	218	235	451	511	918	1,383
Dry Water Years (22%)	1,567	1,723	1,217	726	345	259	276	323	588	826	1,540	2,241
Critical Water Years (16%)	2,651	2,977	1,662	1,090	581	416	481	773	1,323	1,699	2,467	3,136

Table 4B-6-5-1b. Sacramento River at Emmaton Salinity, Proposed Project 021624, Monthly EC (UMHOS/CM)

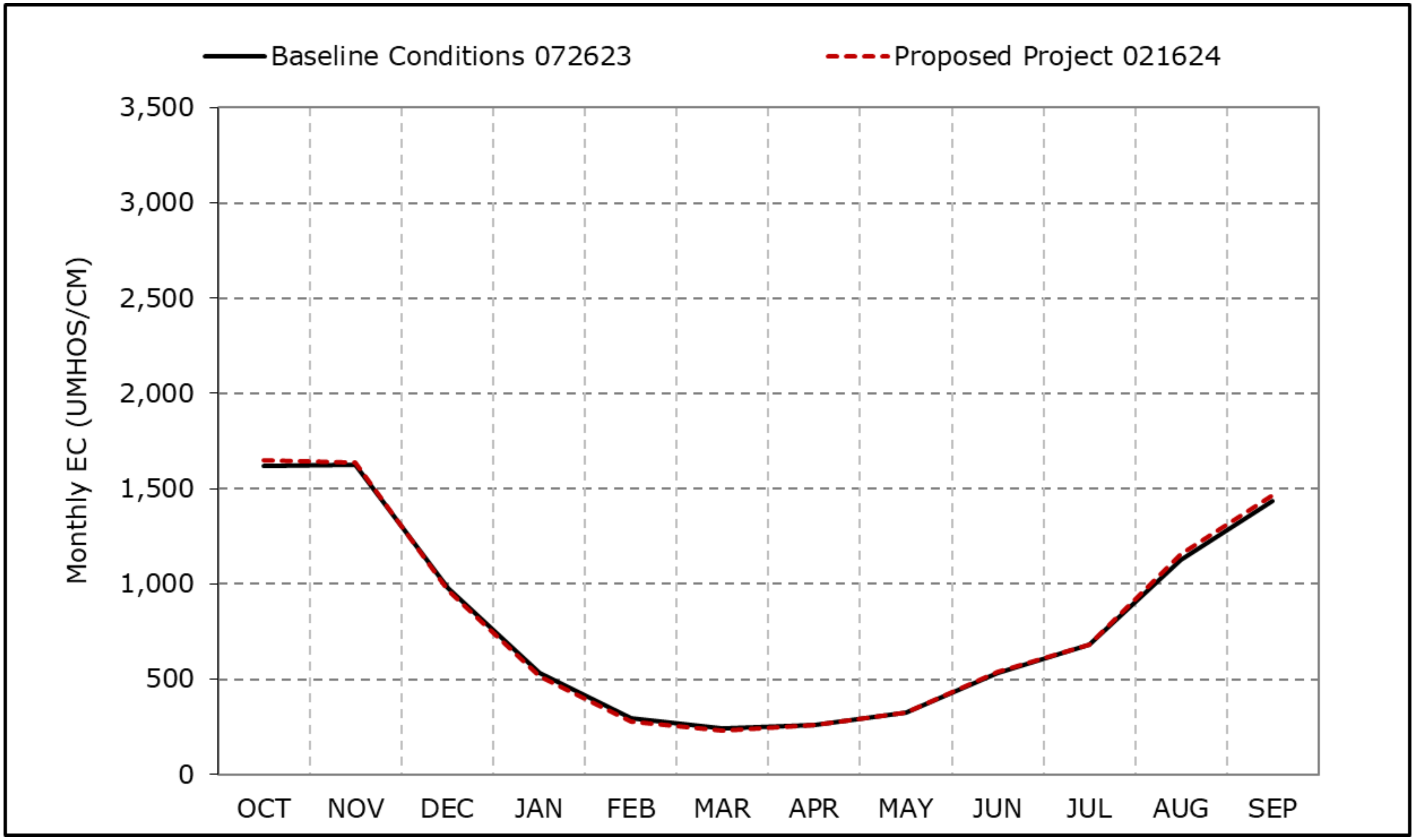
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3,574	3,484	2,233	1,228	394	314	392	679	1,289	1,472	2,375	3,031
20% Exceedance	2,857	2,659	1,800	903	299	235	293	363	646	957	1,812	2,638
30% Exceedance	2,563	2,360	1,290	543	247	203	245	329	598	749	1,597	2,276
40% Exceedance	2,135	1,834	1,075	329	208	197	214	255	538	567	1,020	1,724
50% Exceedance	1,739	1,041	718	292	199	195	202	209	393	484	872	1,232
60% Exceedance	453	901	424	227	191	191	195	201	299	397	709	465
70% Exceedance	389	754	283	190	185	185	189	191	224	334	584	402
80% Exceedance	367	578	215	185	183	183	185	182	185	281	555	377
90% Exceedance	345	282	193	181	180	181	180	178	179	261	513	362
Full Simulation Period Average[a]	1,652	1,640	968	517	278	231	258	325	540	682	1,156	1,465
Wet Water Years (30%)	1,270	991	356	228	183	183	186	193	223	284	513	369
Above Normal Years (11%)	1,758	1,729	817	246	190	186	191	195	280	323	573	373
Below Normal Years (21%)	1,397	1,393	1,184	475	233	200	215	239	445	492	905	1,416
Dry Water Years (22%)	1,599	1,720	1,220	732	327	238	266	316	600	837	1,615	2,328
Critical Water Years (16%)	2,701	3,009	1,587	1,003	506	384	483	789	1,354	1,709	2,462	3,146

Table 4B-6-5-1c. Sacramento River at Emmaton Salinity, Proposed Project 021624 minus Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3	3	38	-89	-11	-10	-19	33	67	24	-37	5
20% Exceedance	76	9	-6	24	0	-4	1	-11	-17	2	54	119
30% Exceedance	0	14	51	-22	6	-1	0	1	6	-8	105	46
40% Exceedance	17	-24	5	-13	-1	0	-3	5	16	-44	-13	87
50% Exceedance	95	18	8	-2	1	1	-1	0	-15	-3	-1	-44
60% Exceedance	0	-8	-2	-2	0	0	-2	0	-1	10	63	3
70% Exceedance	9	-4	-1	0	0	0	-1	0	-3	-7	33	1
80% Exceedance	4	1	-2	0	0	0	0	-1	0	-10	25	1
90% Exceedance	11	7	1	0	0	0	0	0	0	0	69	-2
Full Simulation Period Average[a]	30	11	-10	-18	-16	-10	-3	3	5	0	29	29
Wet Water Years (30%)	43	5	2	-4	0	0	0	3	-1	-1	36	7
Above Normal Years (11%)	32	-1	29	1	0	0	-1	0	-5	0	52	-7
Below Normal Years (21%)	-5	27	-11	-19	0	-1	-3	4	-6	-19	-14	33
Dry Water Years (22%)	32	-3	3	7	-18	-21	-10	-6	12	11	75	87
Critical Water Years (16%)	50	32	-75	-87	-75	-32	2	16	31	10	-5	10

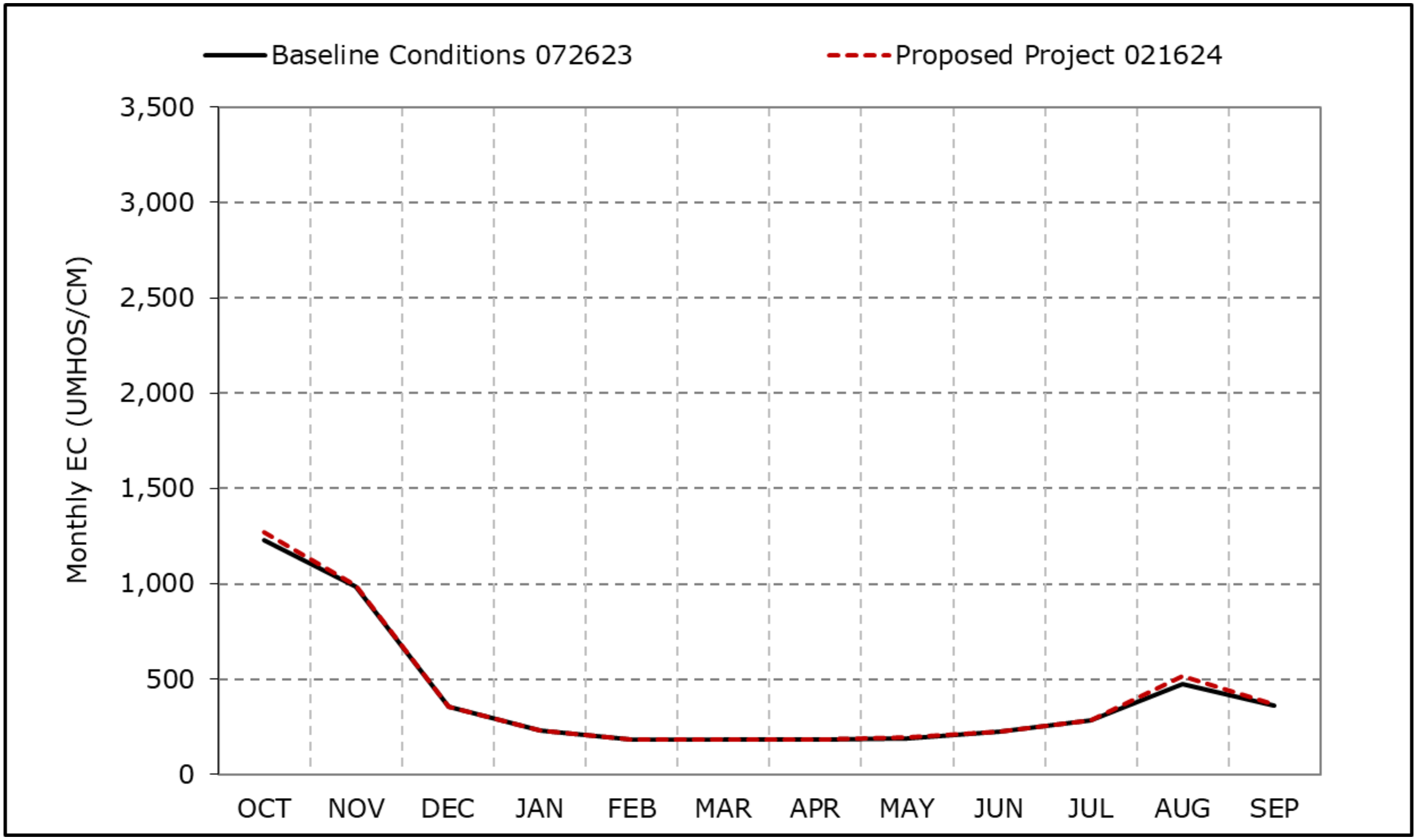
[a] Based on the 100-year simulation period.
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-6-5a. Sacramento River at Emmaton Salinity, Long-Term Average EC



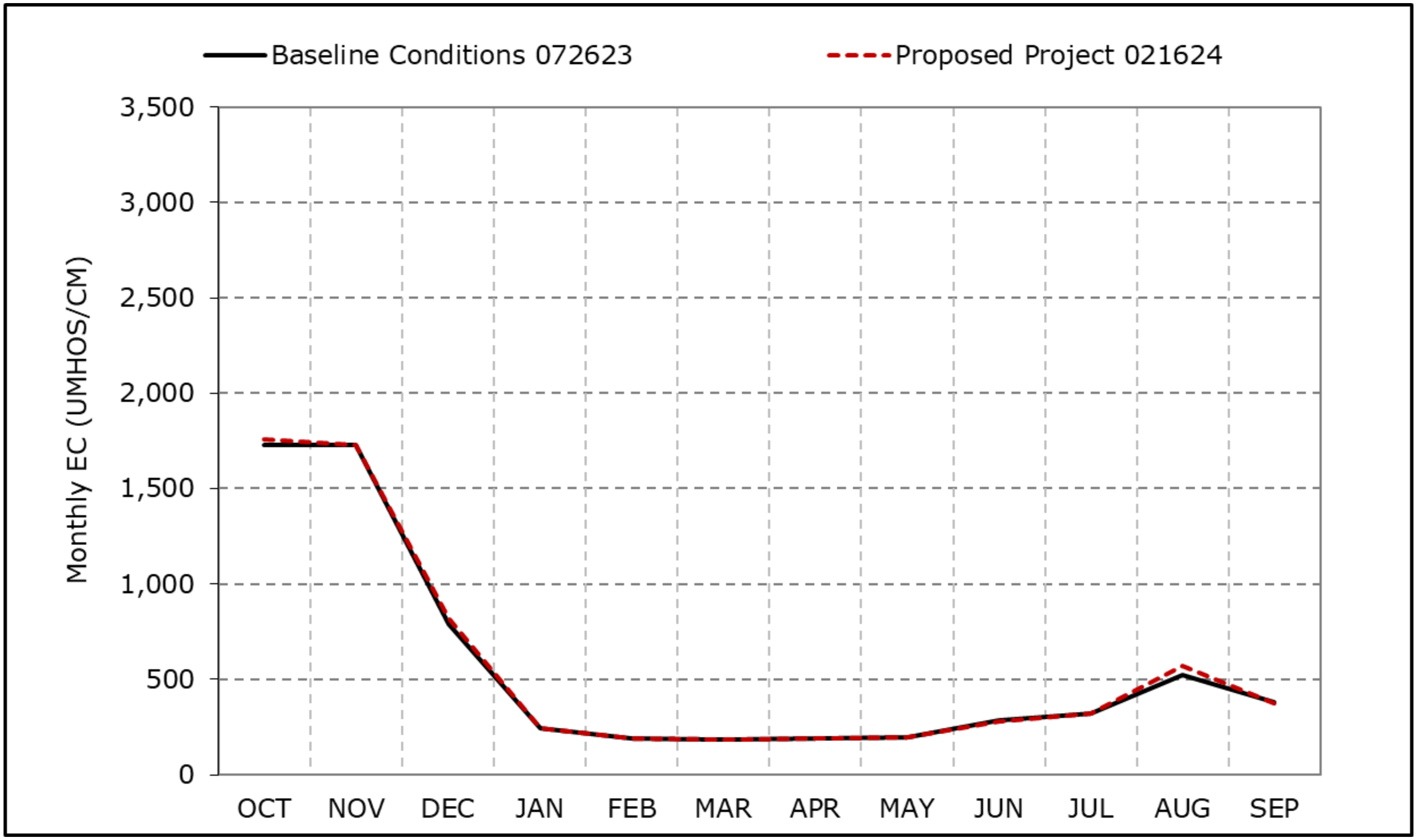
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-5b. Sacramento River at Emmaton Salinity, Wet Year Average EC



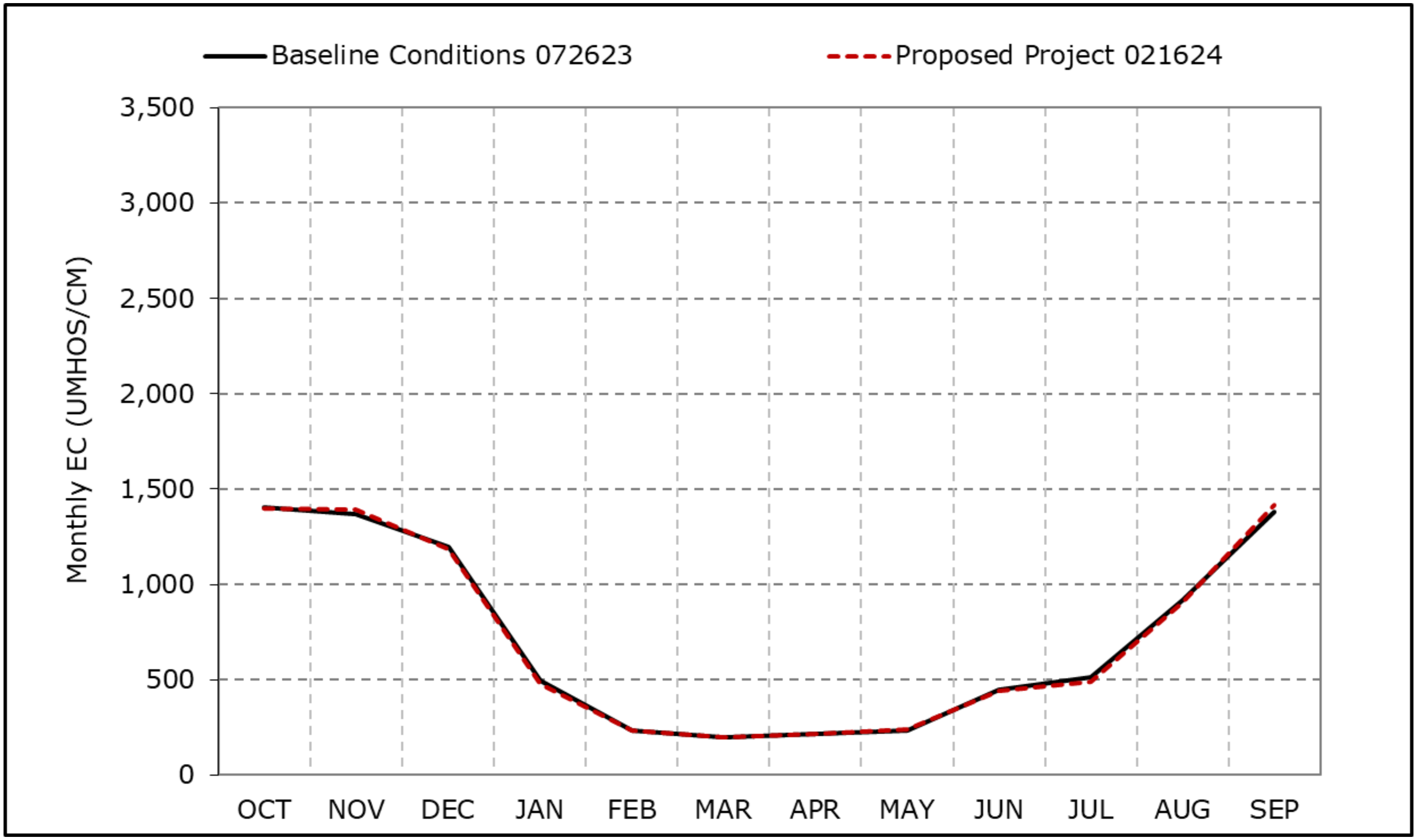
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-5c. Sacramento River at Emmaton Salinity, Above Normal Year Average EC



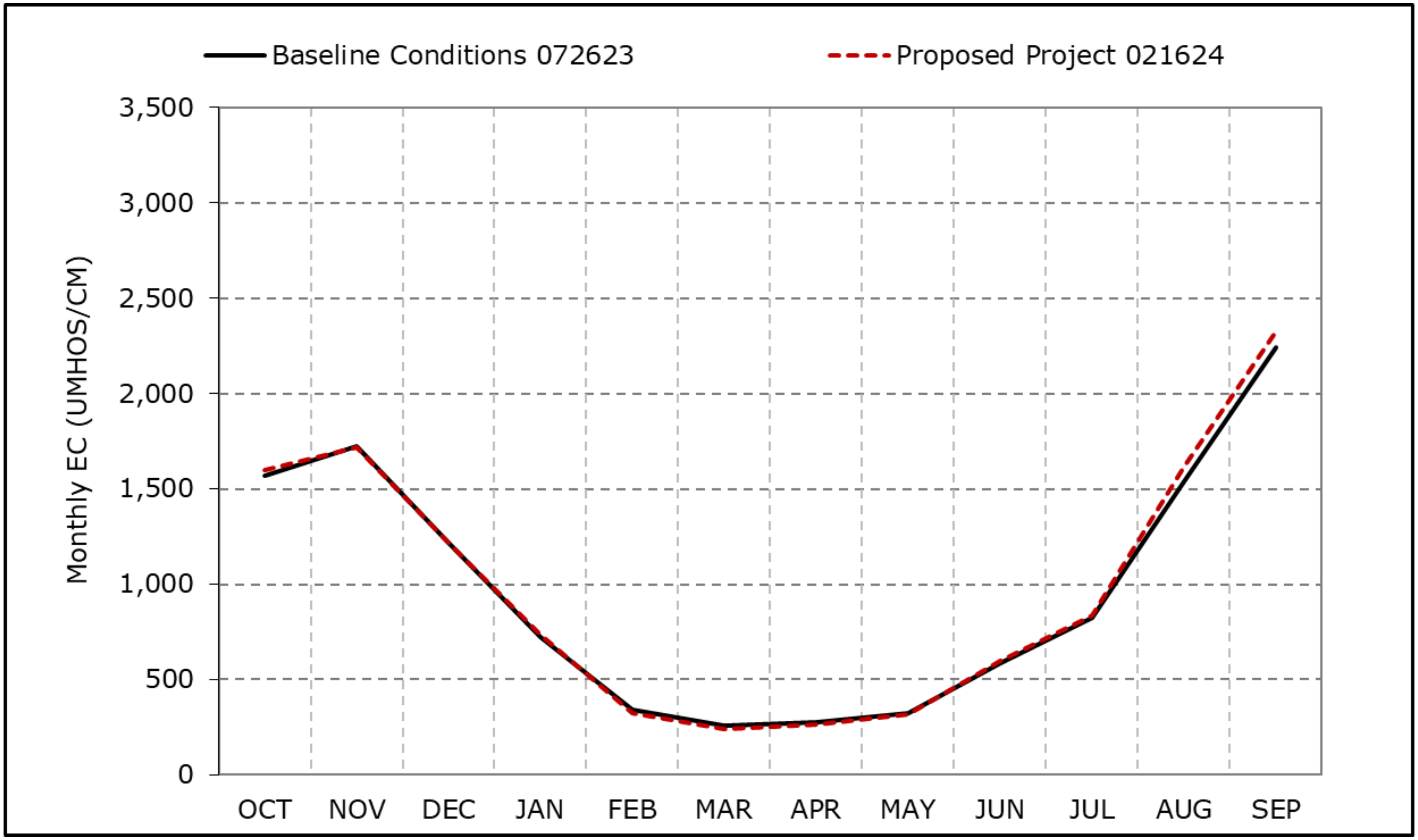
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-5d. Sacramento River at Emmaton Salinity, Below Normal Year Average EC



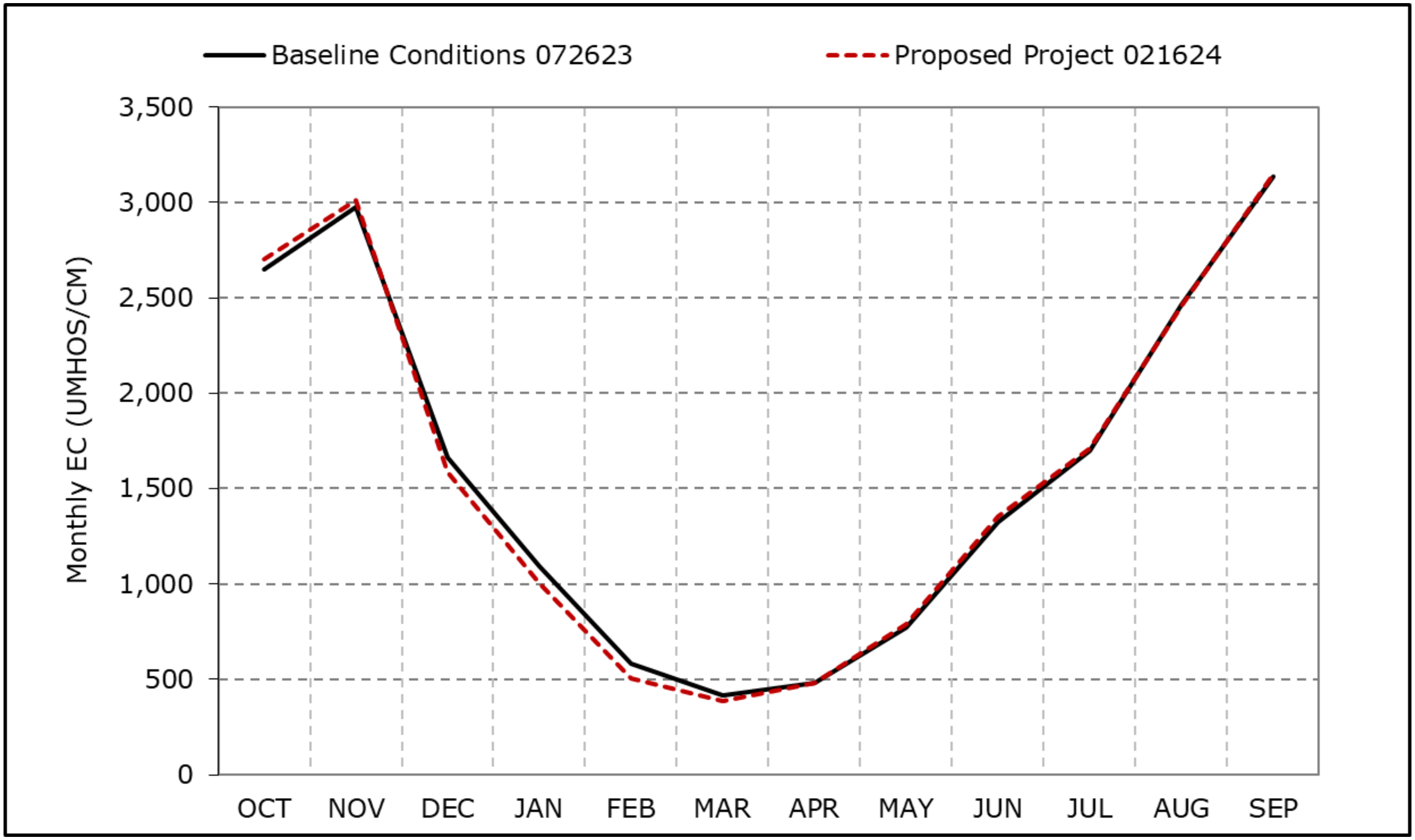
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-5e. Sacramento River at Emmaton Salinity, Dry Year Average EC



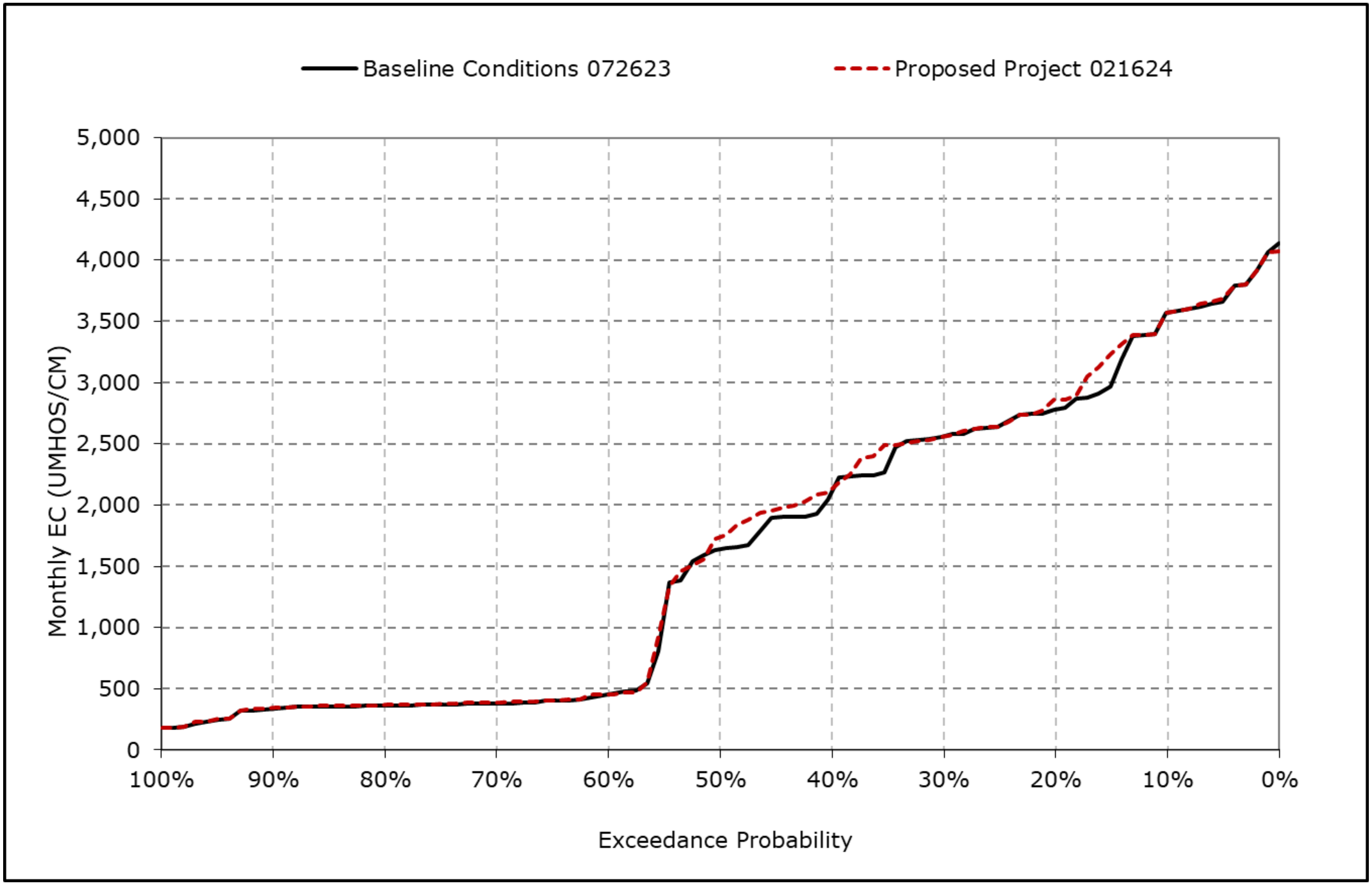
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-5f. Sacramento River at Emmaton Salinity, Critical Year Average EC



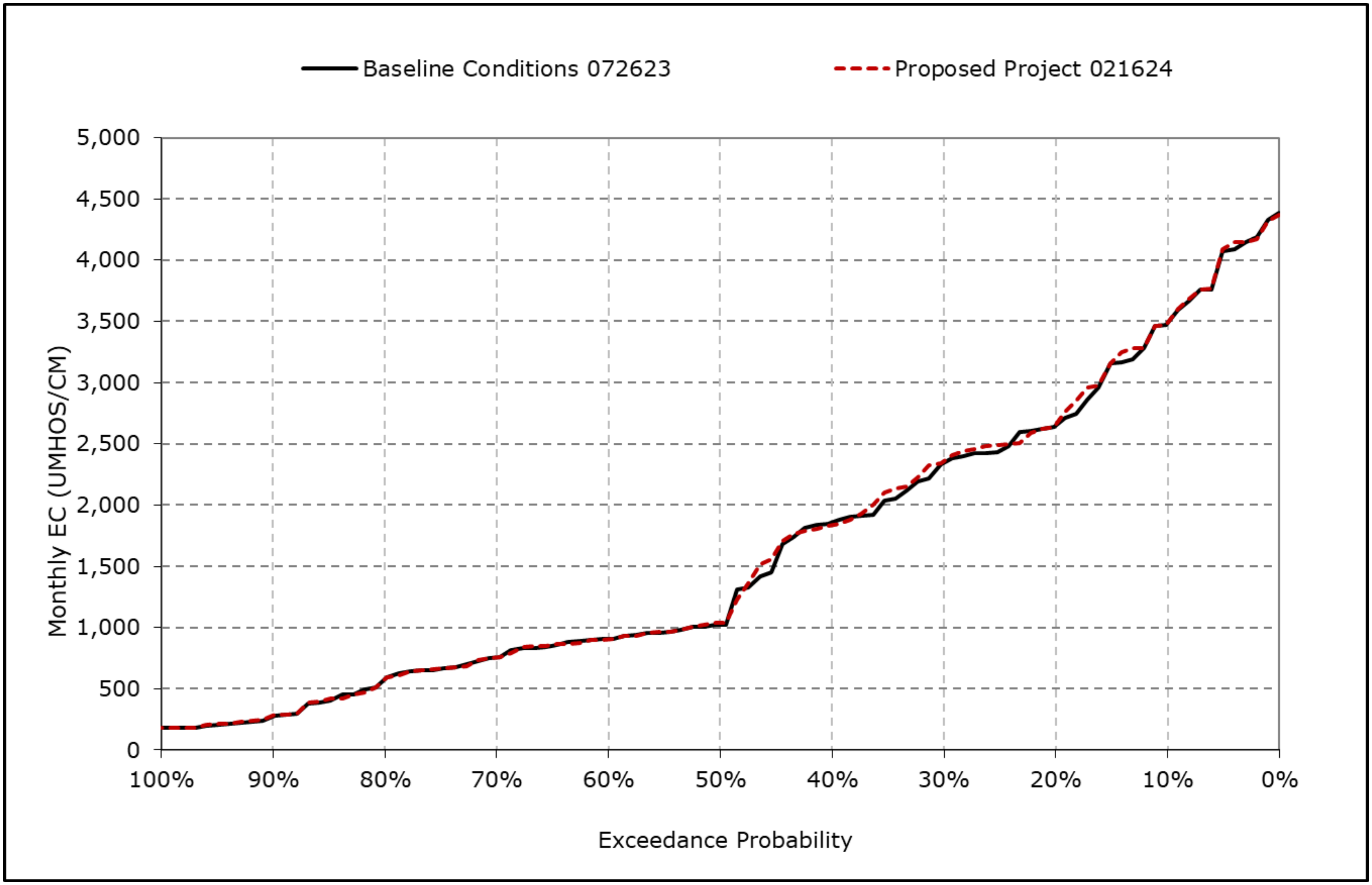
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-5g. Sacramento River at Emmaton Salinity, October EC



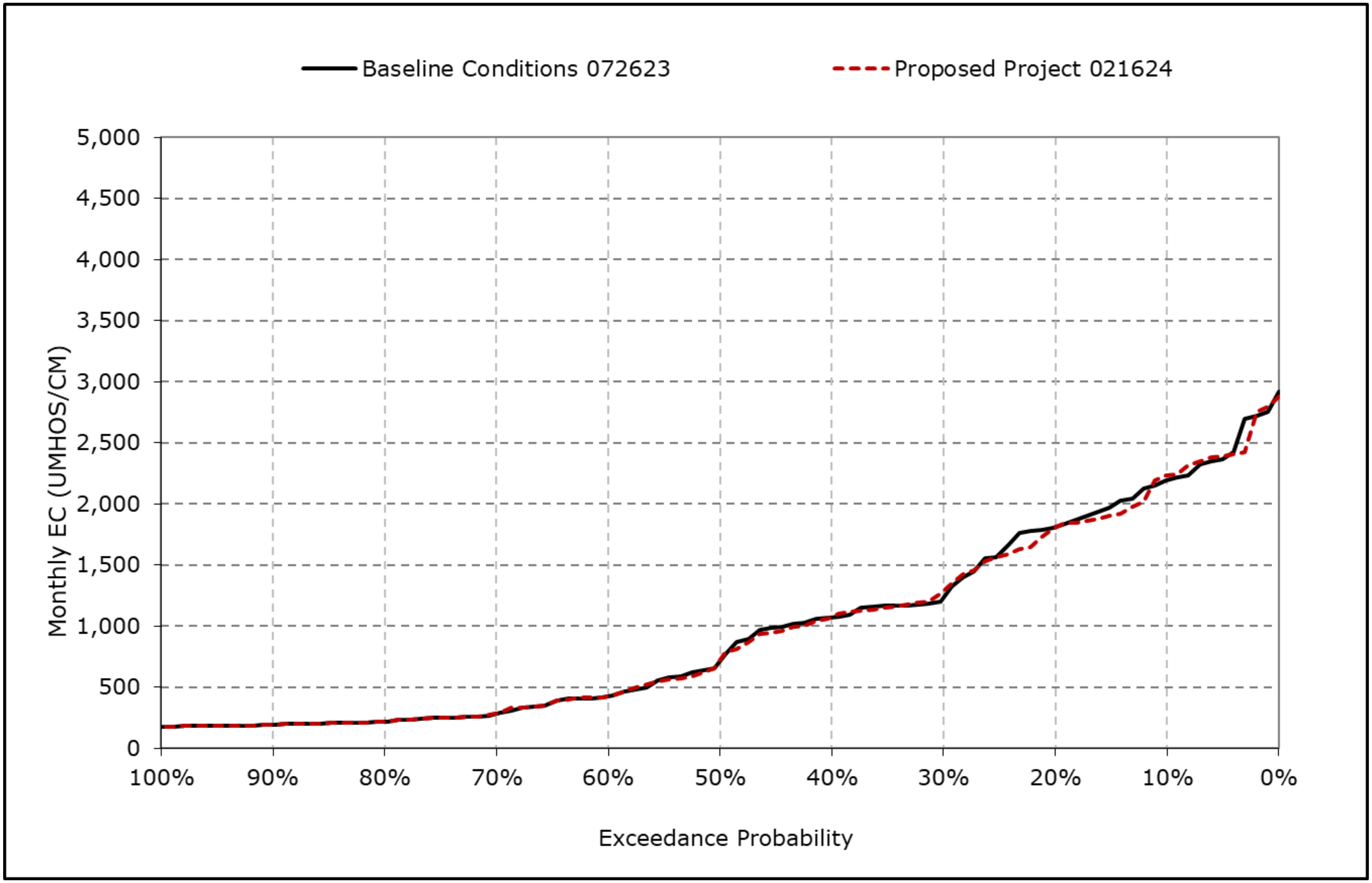
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-5h. Sacramento River at Emmaton Salinity, November EC



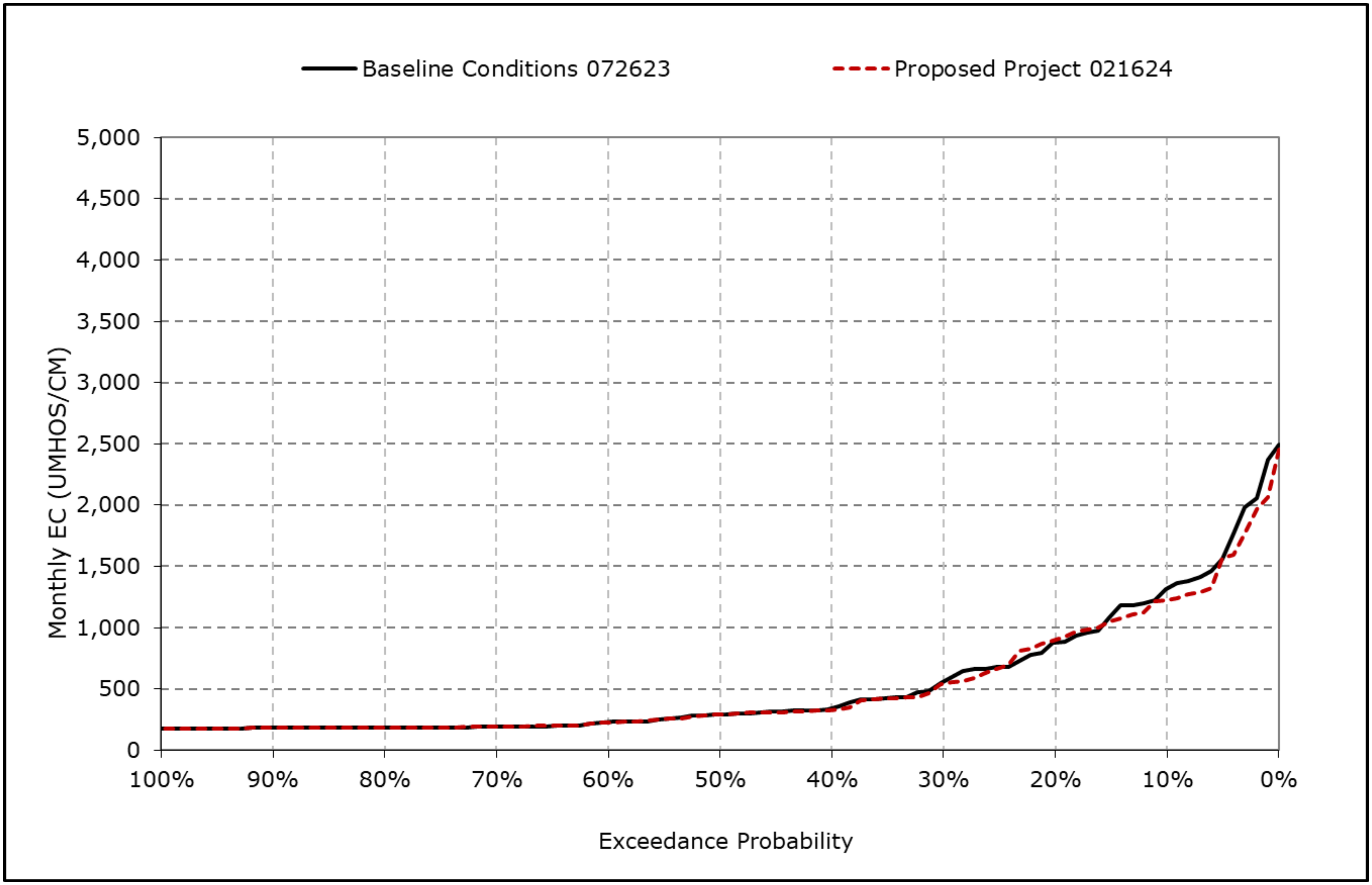
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-5i. Sacramento River at Emmaton Salinity, December EC



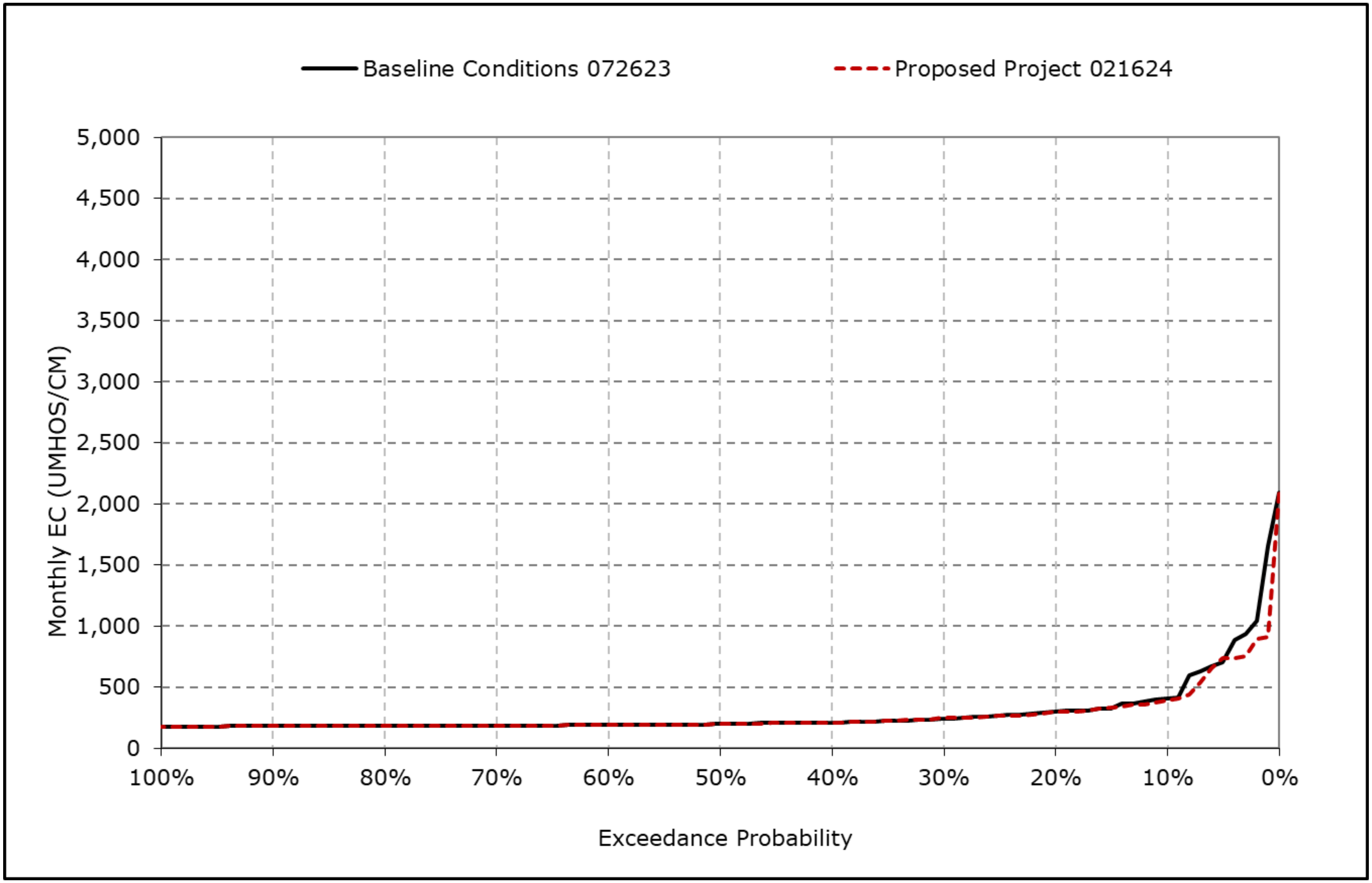
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-5j. Sacramento River at Emmaton Salinity, January EC



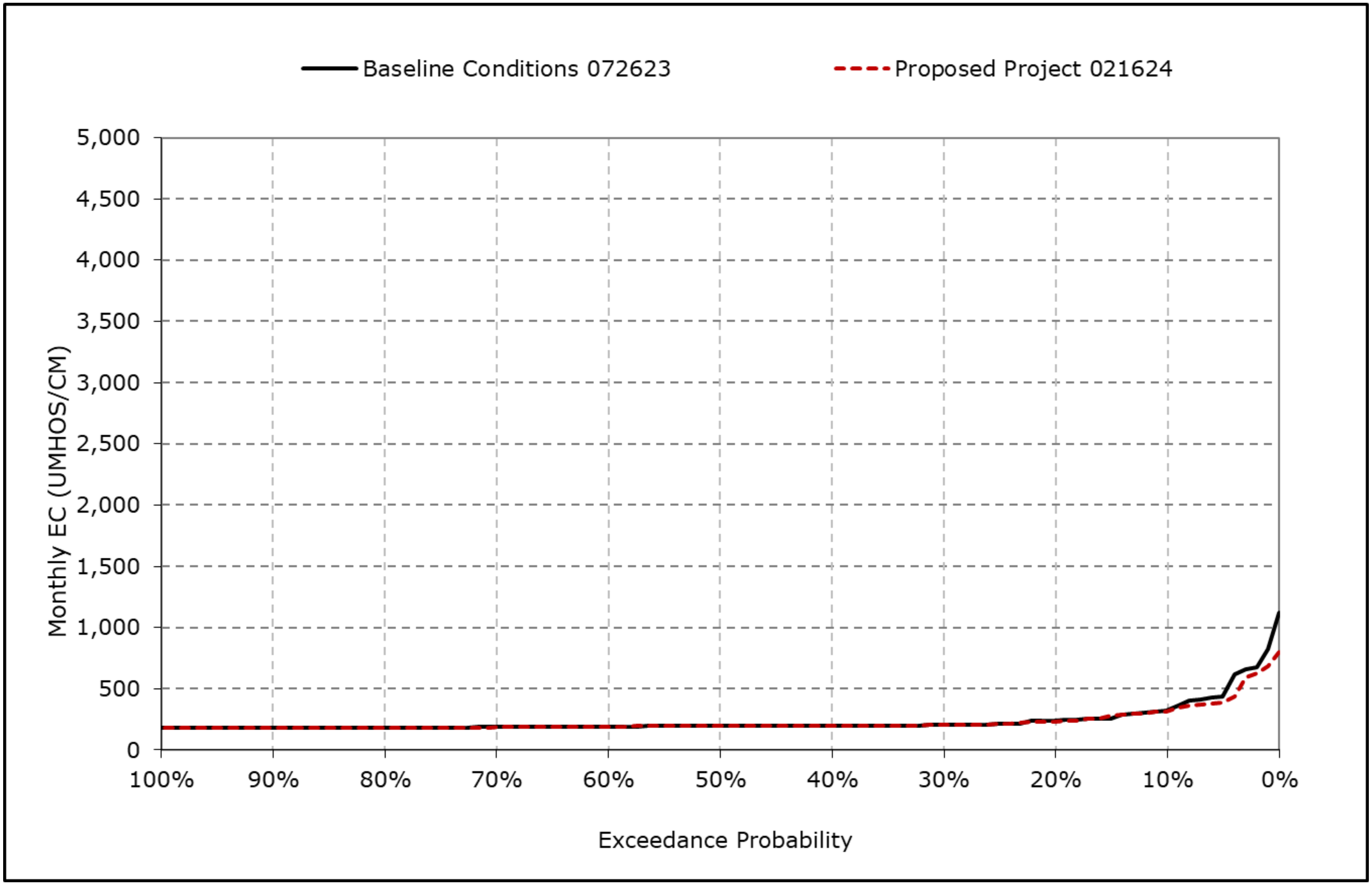
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-5k. Sacramento River at Emmaton Salinity, February EC



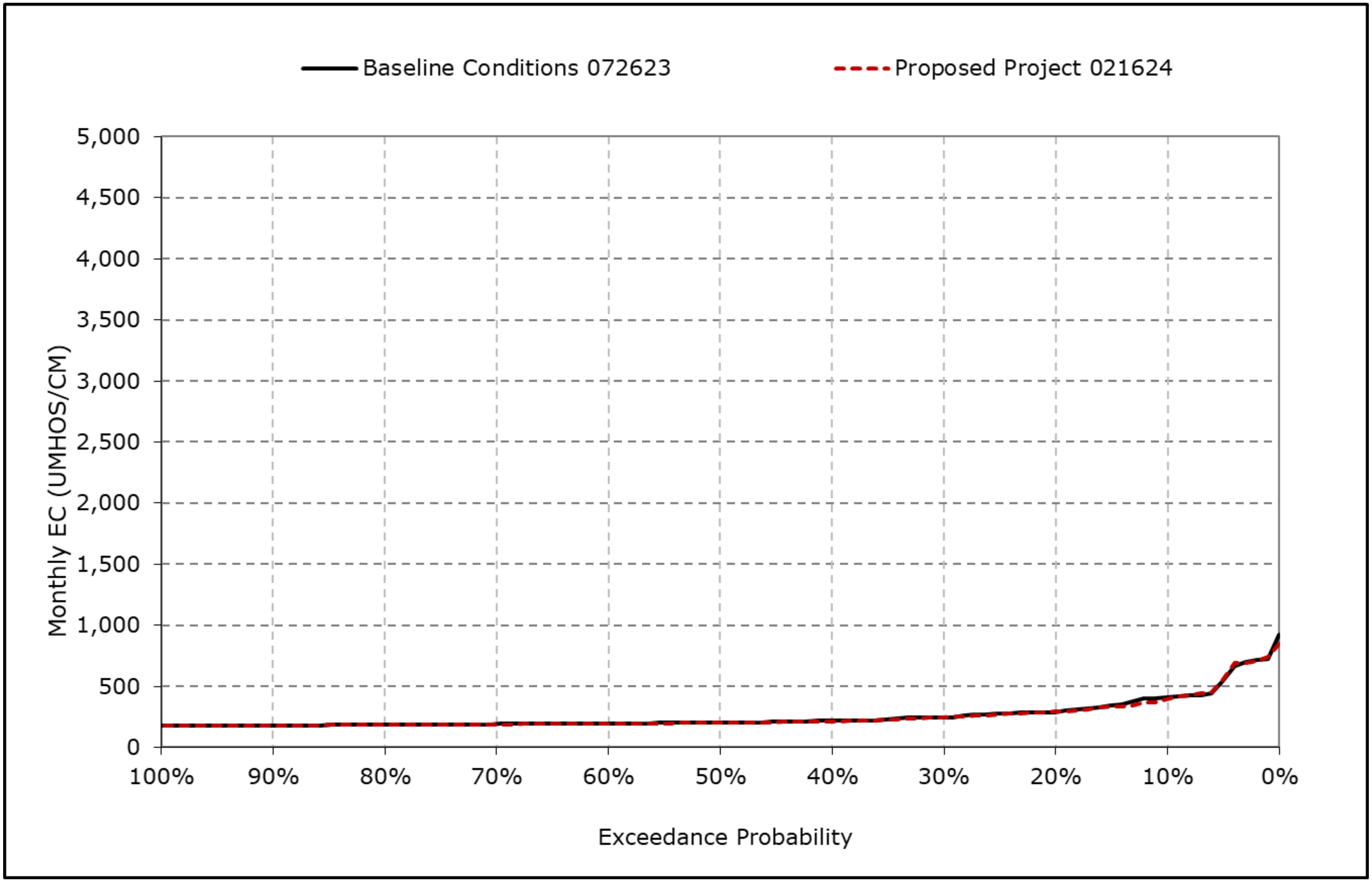
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-5l. Sacramento River at Emmaton Salinity, March EC



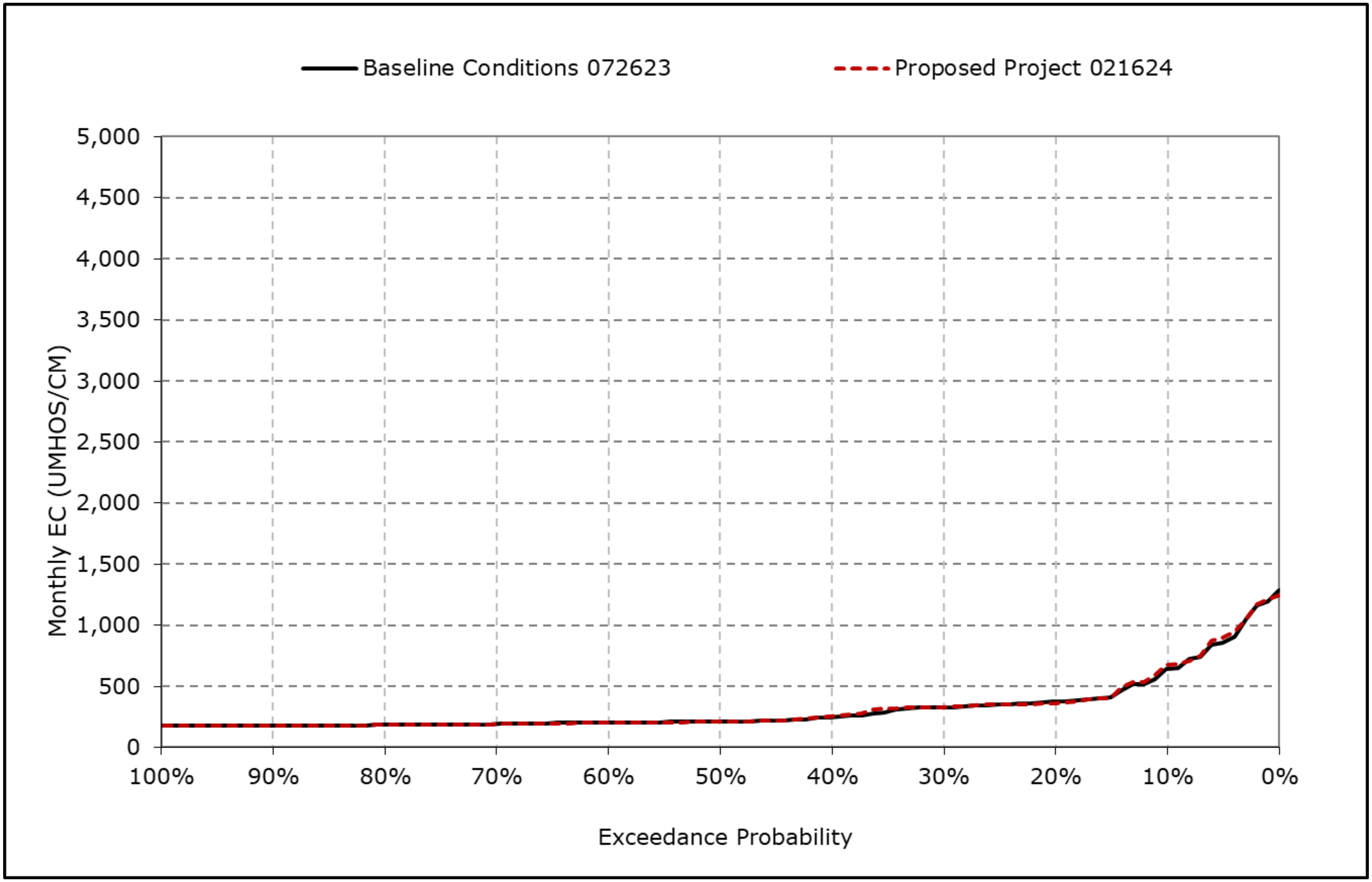
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-5m. Sacramento River at Emmaton Salinity, April EC



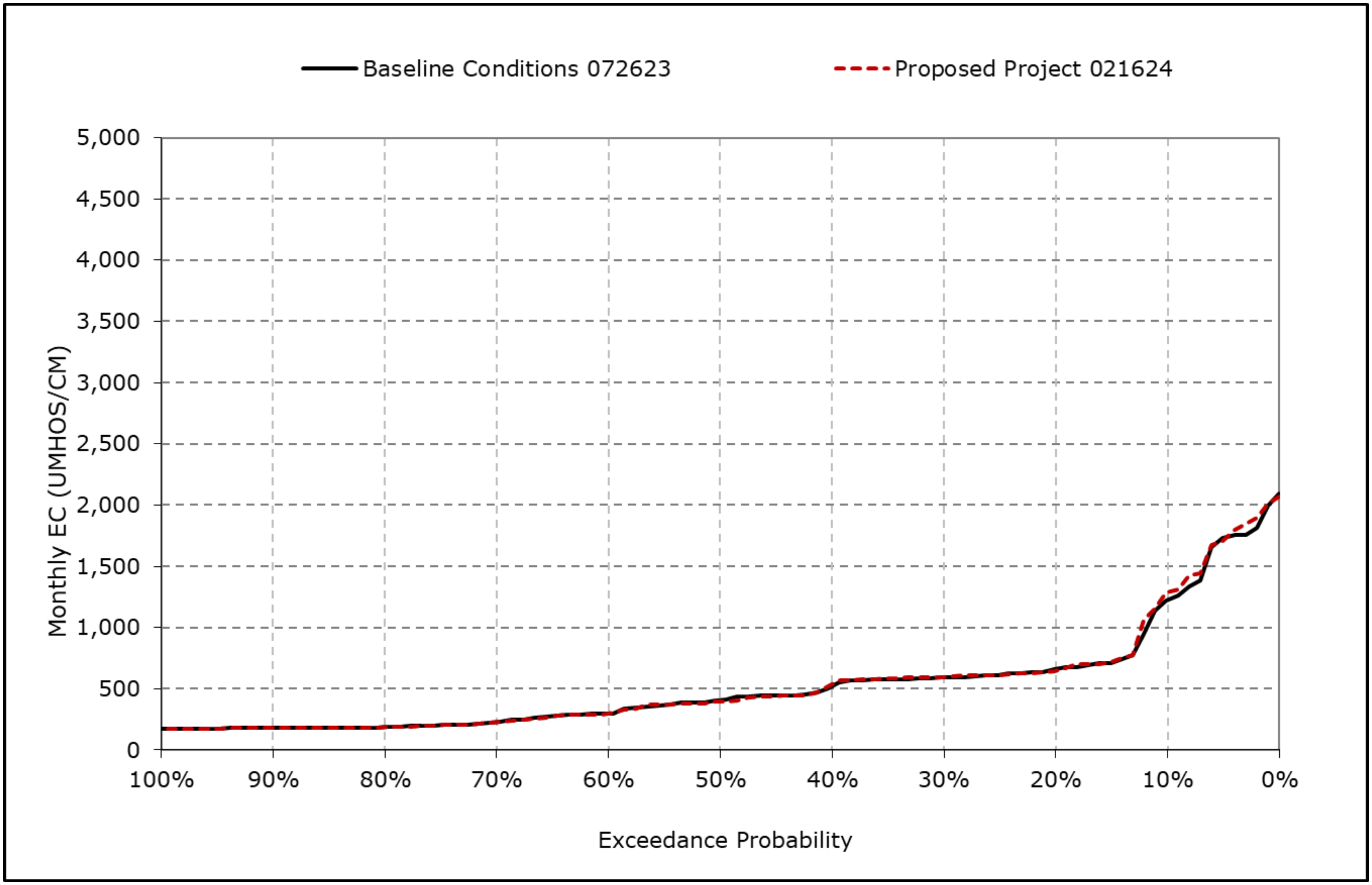
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-5n. Sacramento River at Emmaton Salinity, May EC



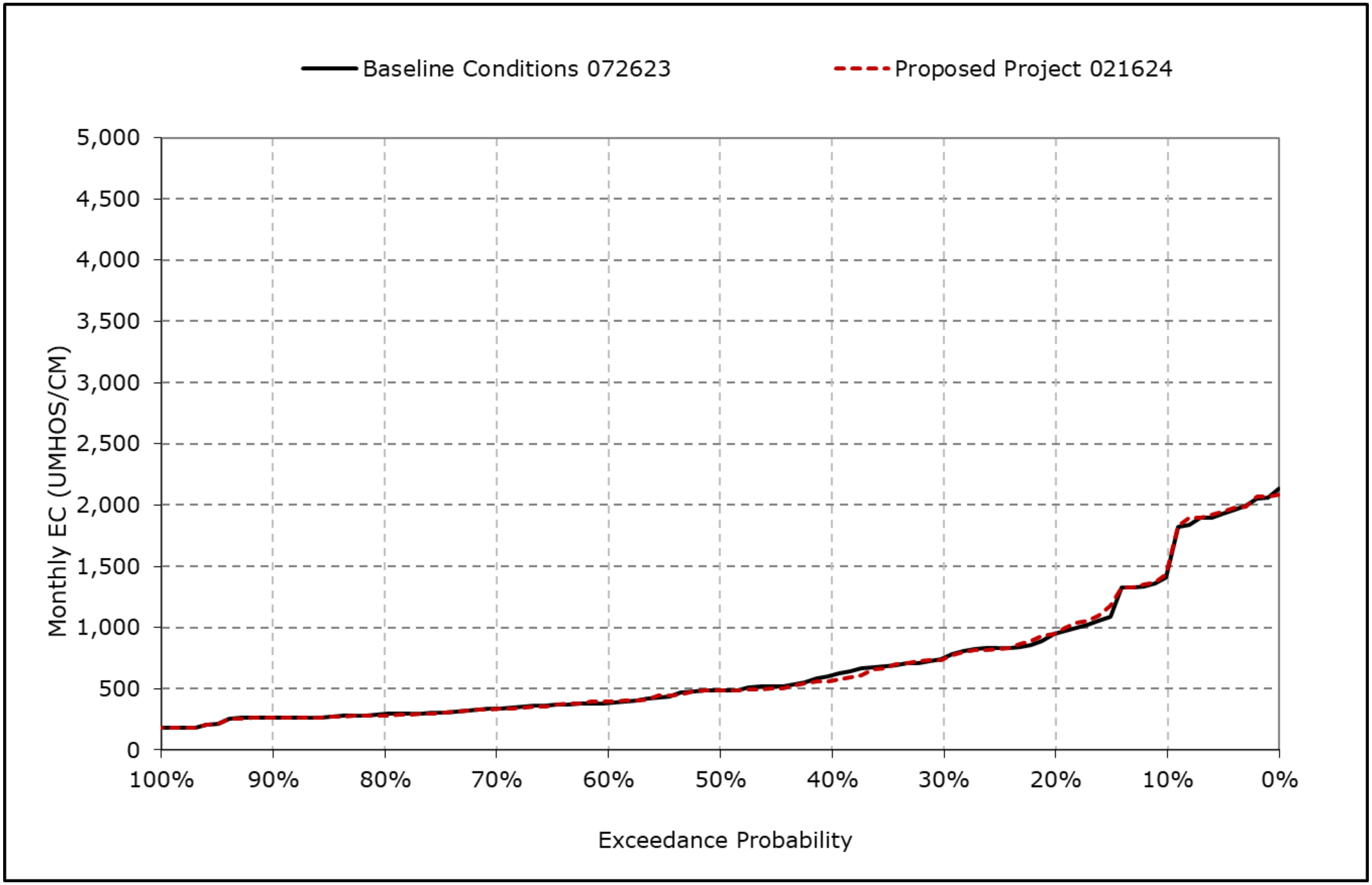
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-5o. Sacramento River at Emmaton Salinity, June EC



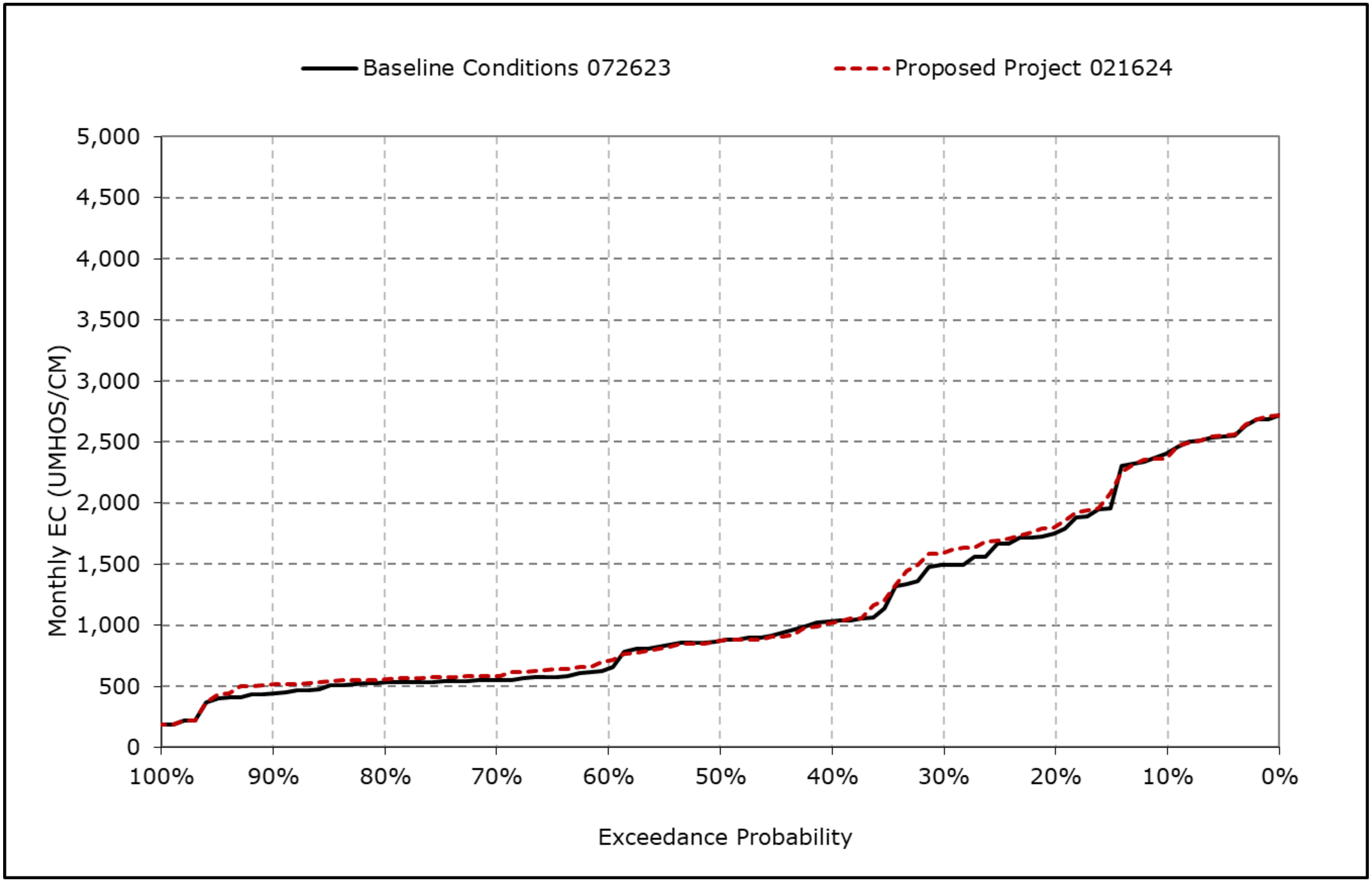
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-5p. Sacramento River at Emmaton Salinity, July EC



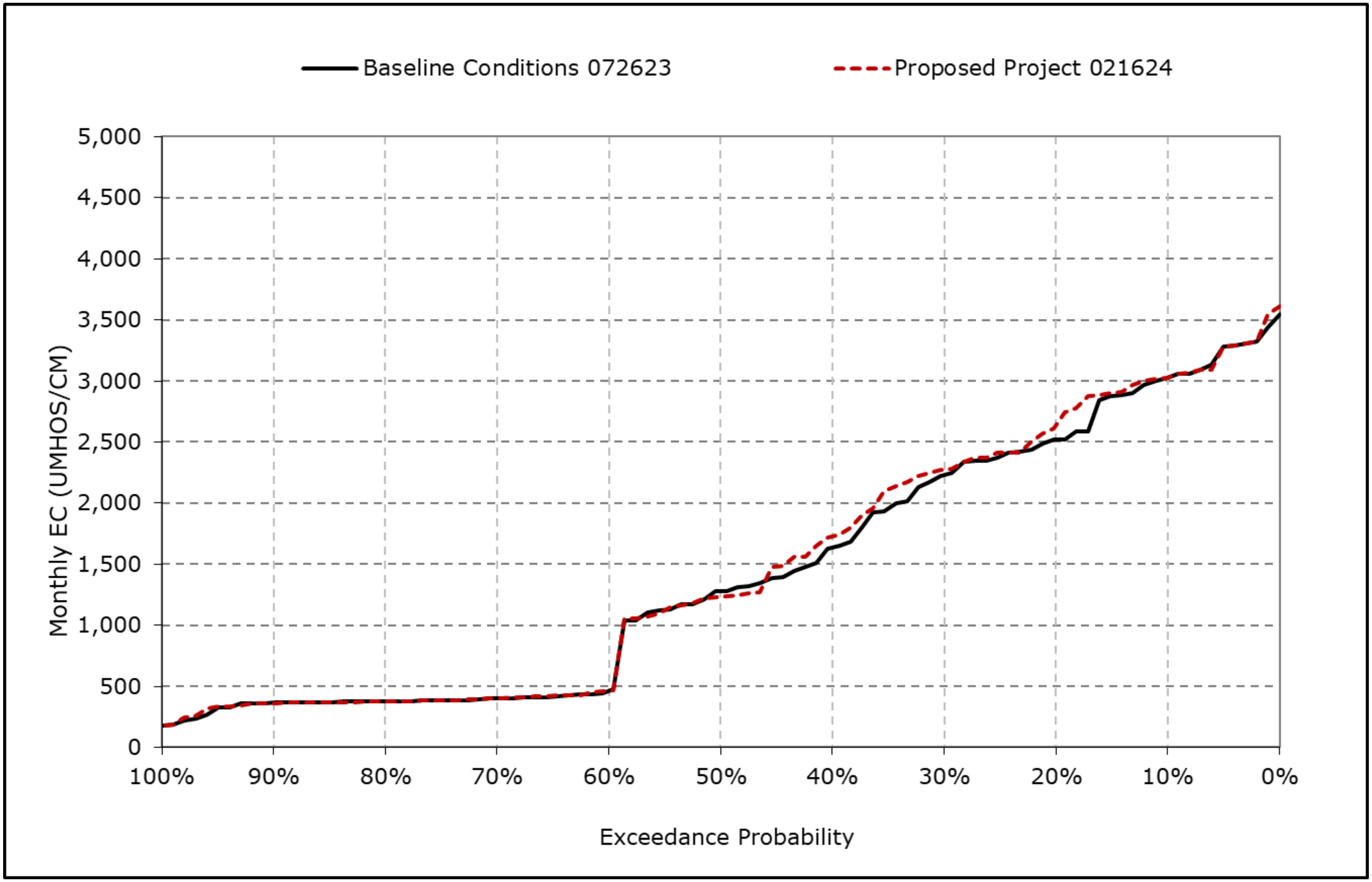
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-5q. Sacramento River at Emmaton Salinity, August EC



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

Figure 4B-6-5r. Sacramento River at Emmaton Salinity, September EC



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

Table 4B-6-6-1a. Sacramento River at Collinsville Salinity, Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	11,509	11,365	8,659	6,169	2,263	1,772	2,244	3,226	5,036	6,946	8,443	10,534
20% Exceedance	10,041	10,000	8,139	4,858	1,495	952	1,368	2,091	3,344	5,433	7,574	9,538
30% Exceedance	9,668	9,092	6,550	3,115	762	439	913	1,675	3,190	4,553	6,843	8,723
40% Exceedance	8,651	8,448	5,712	1,657	440	346	544	963	2,758	4,125	5,800	7,146
50% Exceedance	6,980	5,604	4,421	1,140	313	286	375	519	2,125	3,470	5,407	6,540
60% Exceedance	2,669	4,881	2,518	682	231	217	258	411	1,564	2,581	4,085	2,776
70% Exceedance	2,376	4,416	1,096	255	199	198	233	280	894	2,246	3,619	2,534
80% Exceedance	2,318	3,527	620	198	190	191	199	205	286	1,681	3,356	2,415
90% Exceedance	2,131	1,607	396	186	186	186	186	182	191	1,339	3,087	2,305
Full Simulation Period Average[a]	6,272	6,551	4,353	2,220	977	685	836	1,218	2,326	3,609	5,320	5,991
Wet Water Years (30%)	5,108	4,597	1,459	510	205	200	234	313	670	1,527	2,928	2,241
Above Normal Years (11%)	6,505	6,746	4,016	734	238	223	242	368	1,228	2,151	3,638	2,370
Below Normal Years (21%)	5,588	5,940	5,189	2,222	712	390	500	745	2,205	3,536	5,481	6,682
Dry Water Years (22%)	6,165	7,149	5,647	3,559	1,448	926	1,127	1,588	3,067	4,901	6,935	8,811
Critical Water Years (16%)	9,341	10,059	7,132	4,606	2,633	1,964	2,416	3,615	5,322	6,835	8,527	10,727

Table 4B-6-6-1b. Sacramento River at Collinsville Salinity, Proposed Project 021624, Monthly EC (UMHOS/CM)

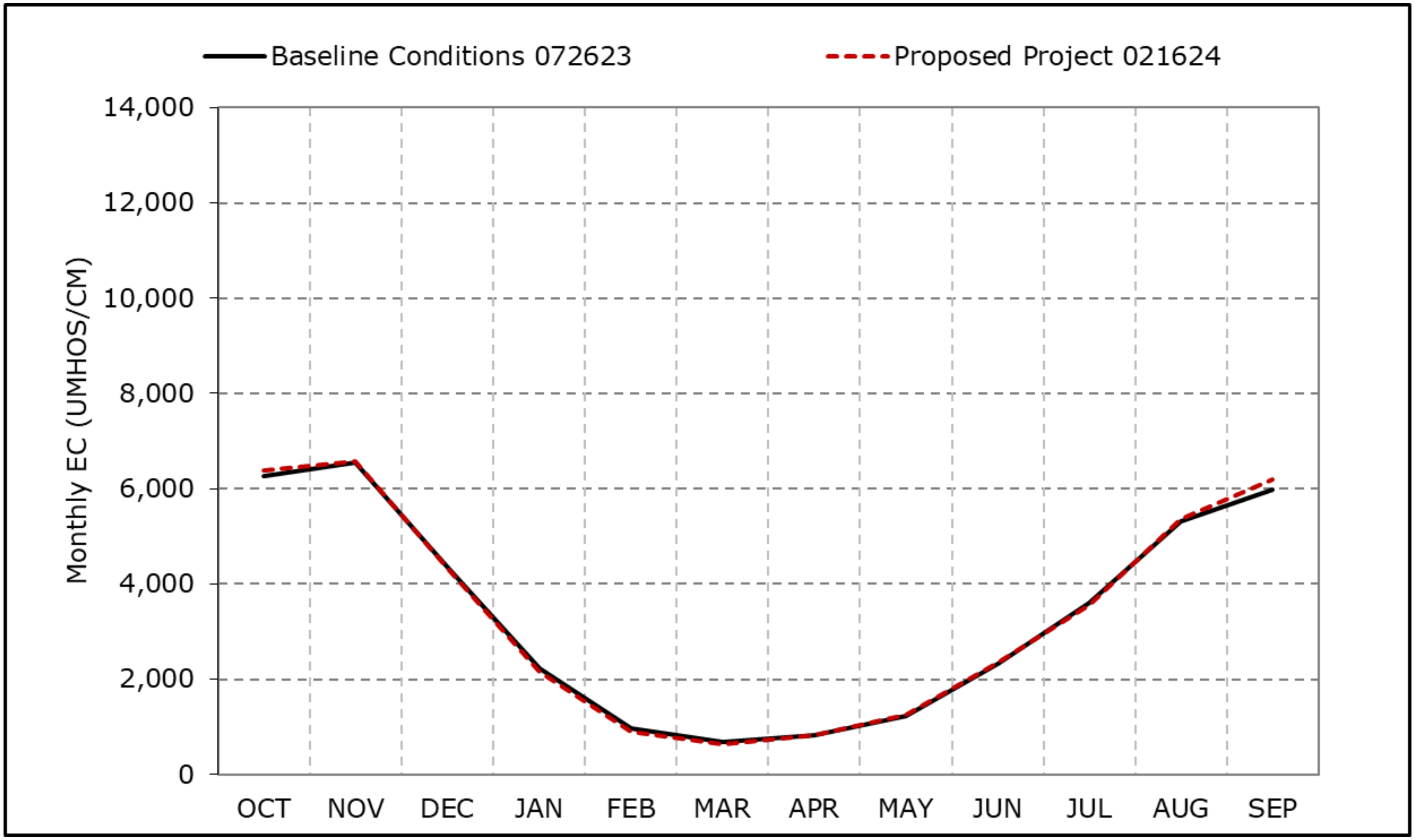
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	11,511	11,374	8,837	5,939	2,155	1,677	2,163	3,345	5,191	7,012	8,450	10,541
20% Exceedance	10,265	10,021	8,105	4,773	1,467	905	1,336	2,049	3,399	5,423	7,546	9,764
30% Exceedance	9,714	9,195	6,398	2,861	795	418	898	1,709	3,194	4,540	6,880	9,170
40% Exceedance	8,900	8,459	5,724	1,524	442	337	515	1,046	2,881	3,744	5,663	7,732
50% Exceedance	7,457	5,681	4,319	1,119	301	272	394	612	2,065	3,328	5,178	6,703
60% Exceedance	2,707	4,881	2,469	670	227	219	262	482	1,547	2,602	4,179	2,916
70% Exceedance	2,420	4,383	1,076	255	200	198	231	281	869	2,165	3,777	2,563
80% Exceedance	2,339	3,532	608	199	190	192	198	203	277	1,638	3,543	2,458
90% Exceedance	2,211	1,673	395	186	186	186	186	182	191	1,335	3,296	2,391
Full Simulation Period Average[a]	6,388	6,564	4,328	2,147	901	627	822	1,260	2,338	3,547	5,364	6,189
Wet Water Years (30%)	5,306	4,620	1,470	496	205	200	245	357	665	1,521	3,118	2,318
Above Normal Years (11%)	6,597	6,696	4,140	739	237	220	240	403	1,204	2,062	3,776	2,440
Below Normal Years (21%)	5,607	5,995	5,145	2,136	692	363	474	816	2,197	3,299	5,242	7,057
Dry Water Years (22%)	6,275	7,146	5,642	3,570	1,341	773	1,051	1,568	3,089	4,879	7,025	9,195
Critical Water Years (16%)	9,451	10,066	6,939	4,268	2,330	1,851	2,444	3,703	5,405	6,859	8,541	10,748

Table 4B-6-6-1c. Sacramento River at Collinsville Salinity, Proposed Project 021624 minus Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2	9	177	-230	-108	-95	-81	119	154	66	7	7
20% Exceedance	224	21	-34	-85	-27	-47	-33	-42	55	-10	-28	226
30% Exceedance	45	102	-152	-254	33	-21	-15	33	4	-13	38	447
40% Exceedance	249	11	13	-132	2	-9	-29	83	123	-381	-137	587
50% Exceedance	477	78	-102	-21	-12	-14	20	93	-60	-142	-229	162
60% Exceedance	38	0	-49	-12	-4	1	4	71	-17	21	94	140
70% Exceedance	44	-33	-19	1	0	0	-2	2	-25	-81	158	29
80% Exceedance	21	4	-13	1	0	0	-1	-2	-9	-44	187	42
90% Exceedance	80	66	-1	0	0	0	0	0	-1	-4	209	86
Full Simulation Period Average[a]	115	14	-24	-73	-76	-58	-15	42	12	-62	44	198
Wet Water Years (30%)	198	24	12	-14	0	0	10	44	-5	-6	190	77
Above Normal Years (11%)	93	-50	124	5	-1	-3	-2	35	-23	-89	138	70
Below Normal Years (21%)	19	55	-45	-86	-20	-27	-25	71	-9	-237	-239	375
Dry Water Years (22%)	110	-2	-5	11	-106	-153	-77	-20	22	-22	90	384
Critical Water Years (16%)	110	8	-193	-338	-302	-113	28	88	82	24	14	21

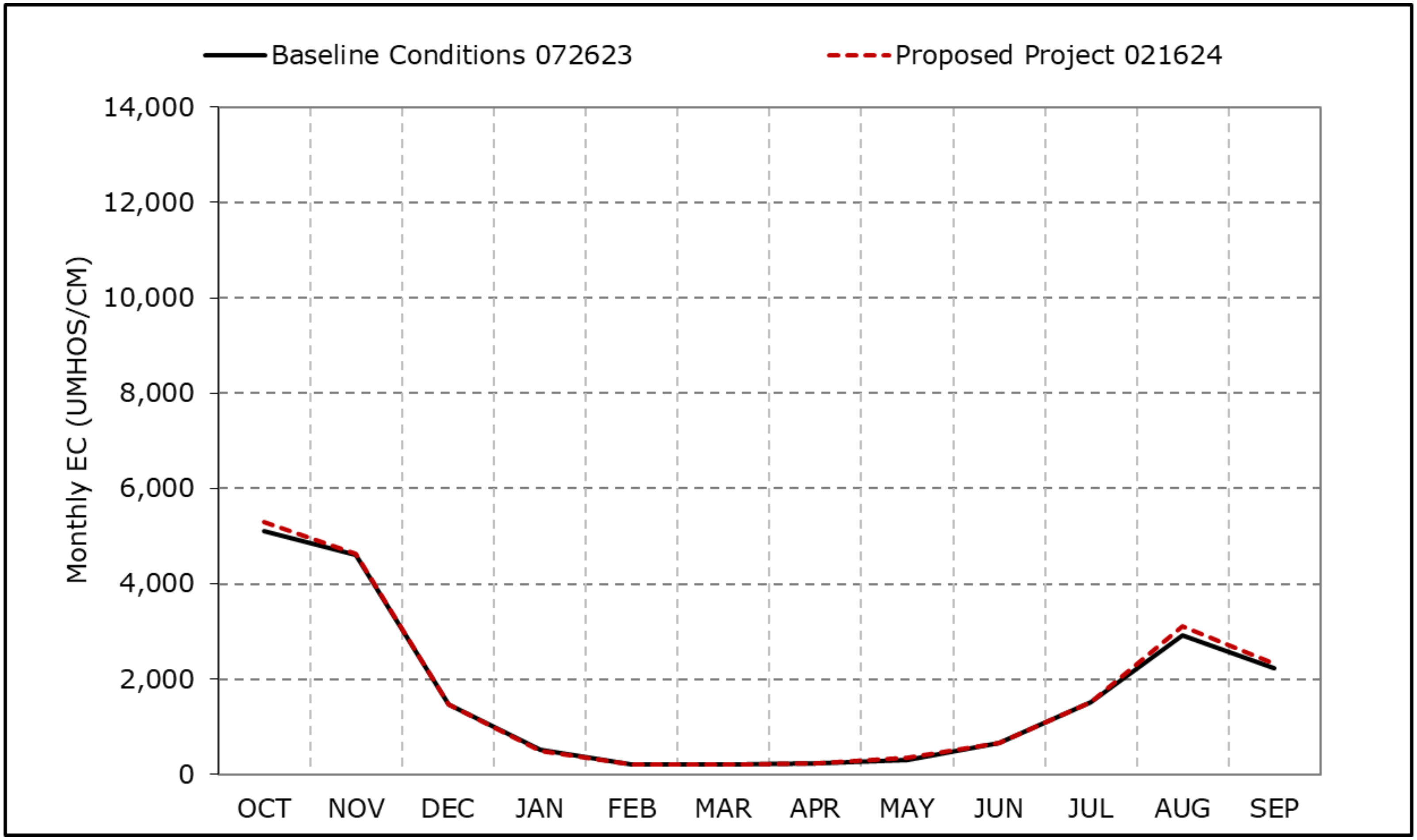
[a] Based on the 100-year simulation period.
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-6-6a. Sacramento River at Collinsville Salinity, Long-Term Average EC



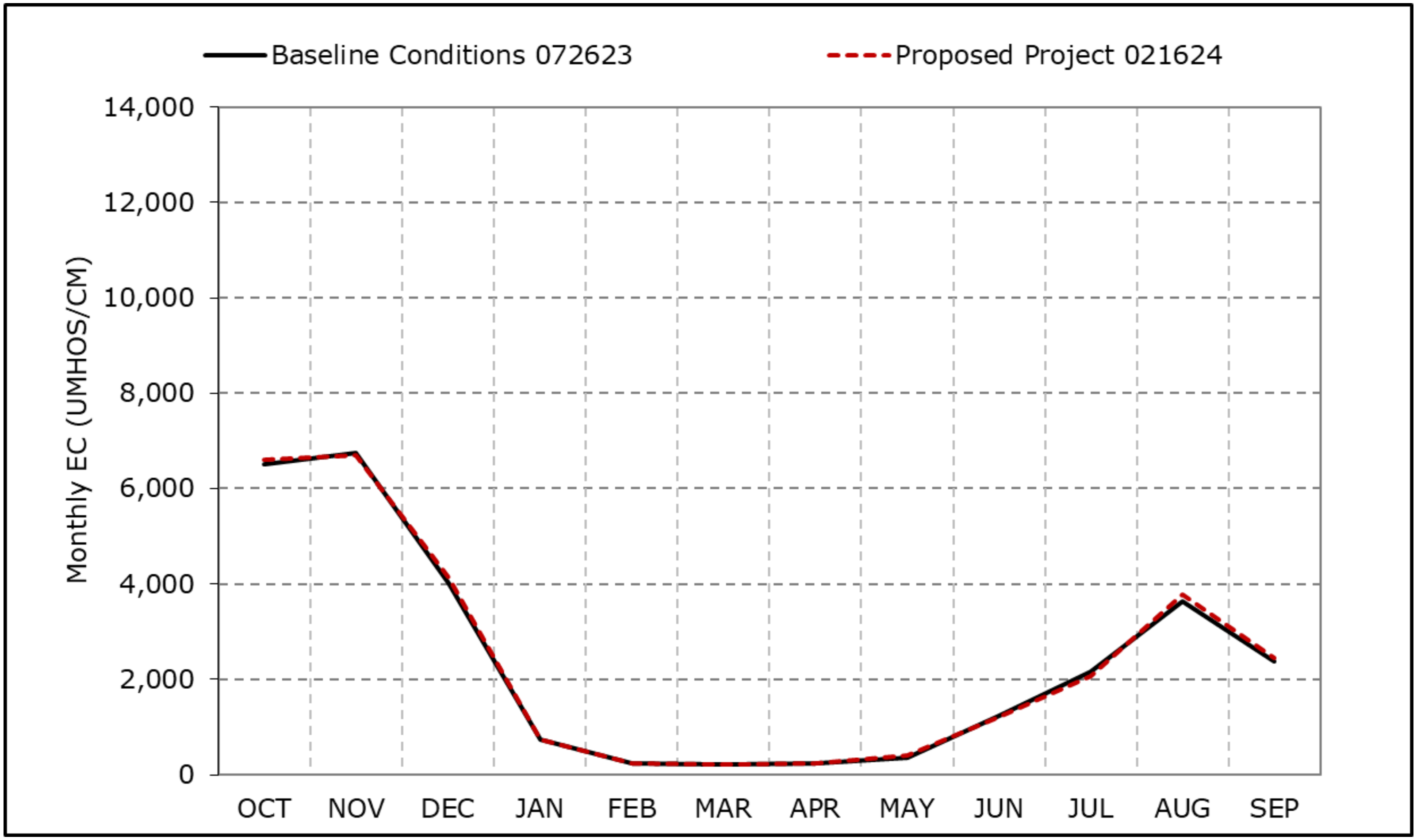
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-6b. Sacramento River at Collinsville Salinity, Wet Year Average EC



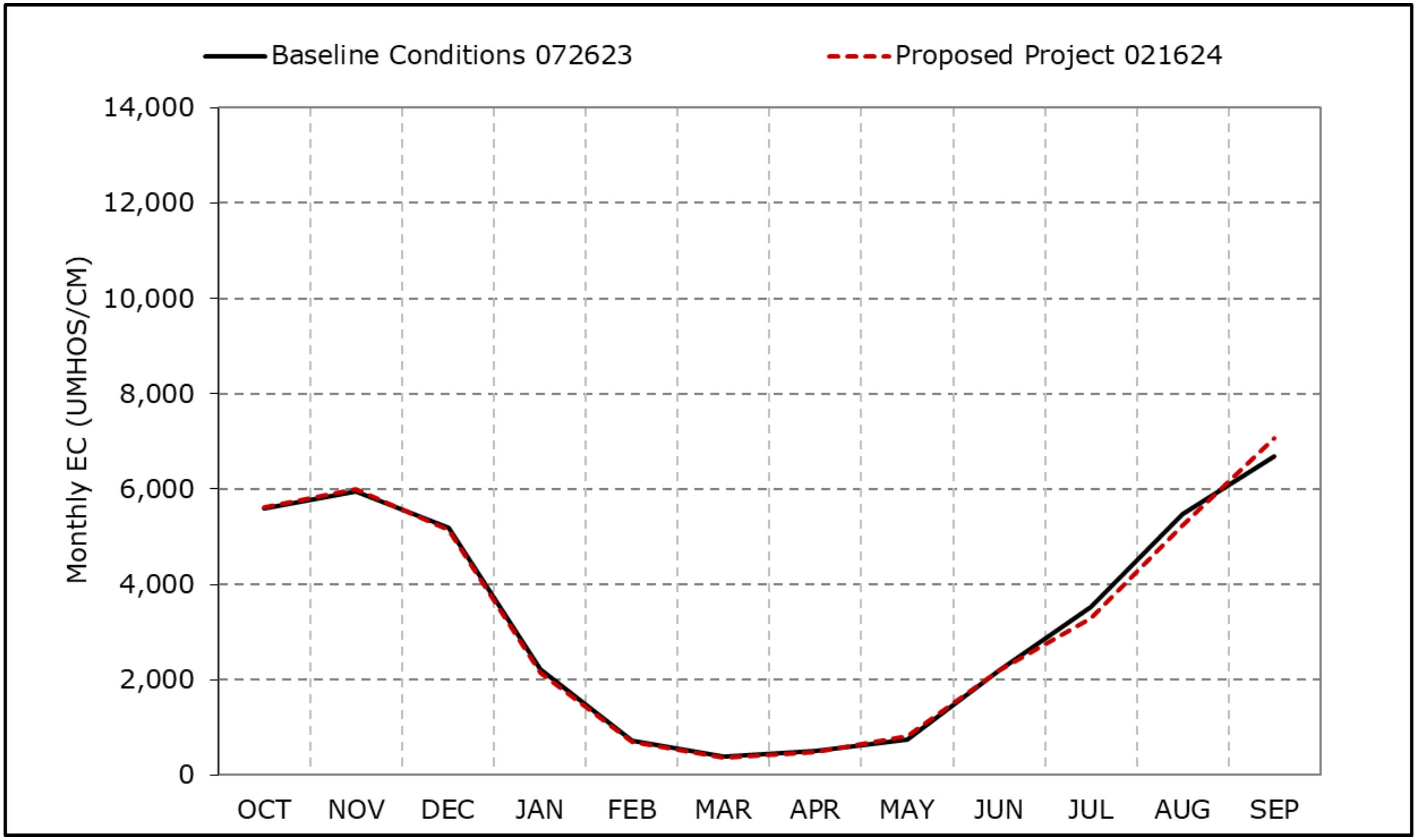
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-6c. Sacramento River at Collinsville Salinity, Above Normal Year Average EC



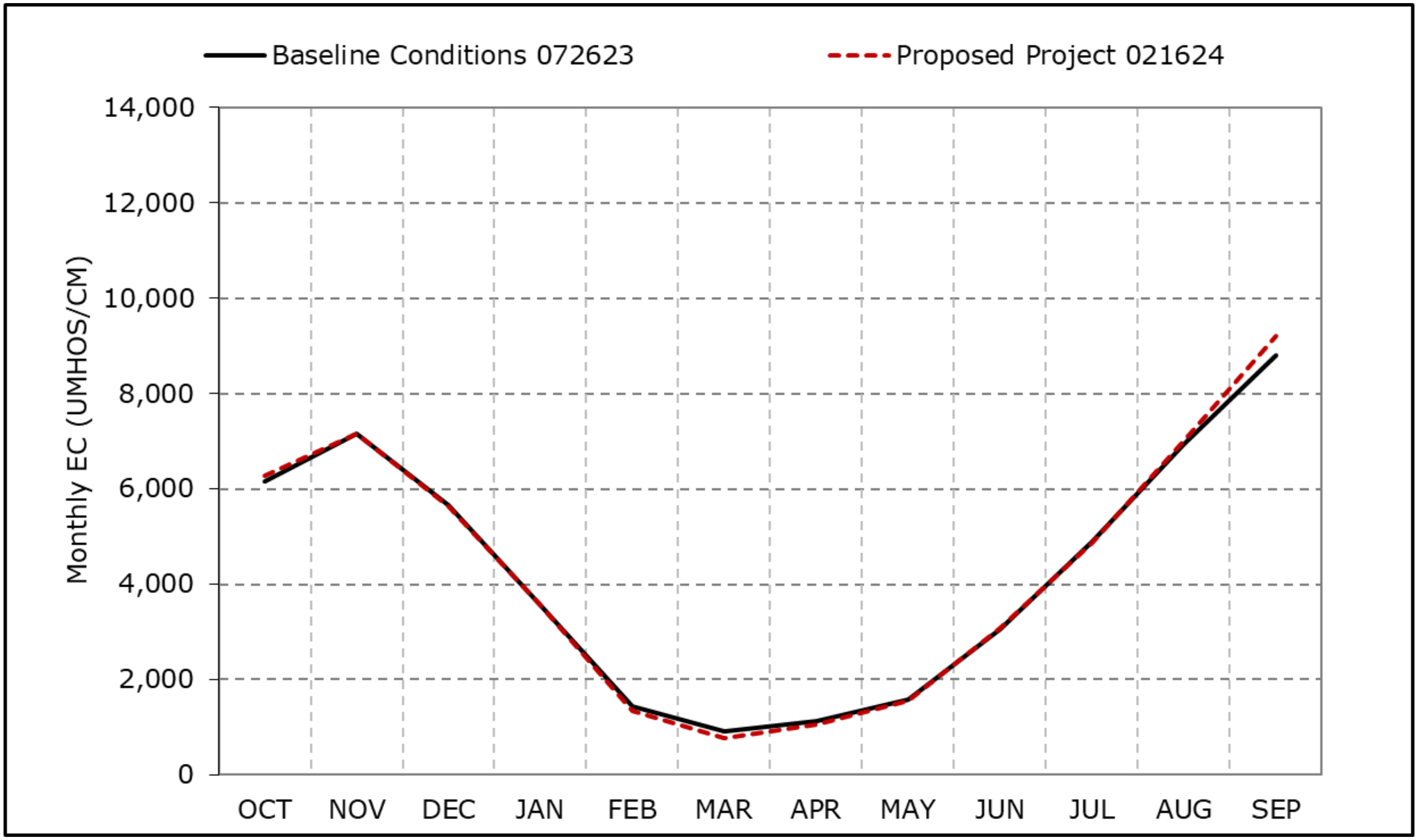
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-6d. Sacramento River at Collinsville Salinity, Below Normal Year Average EC



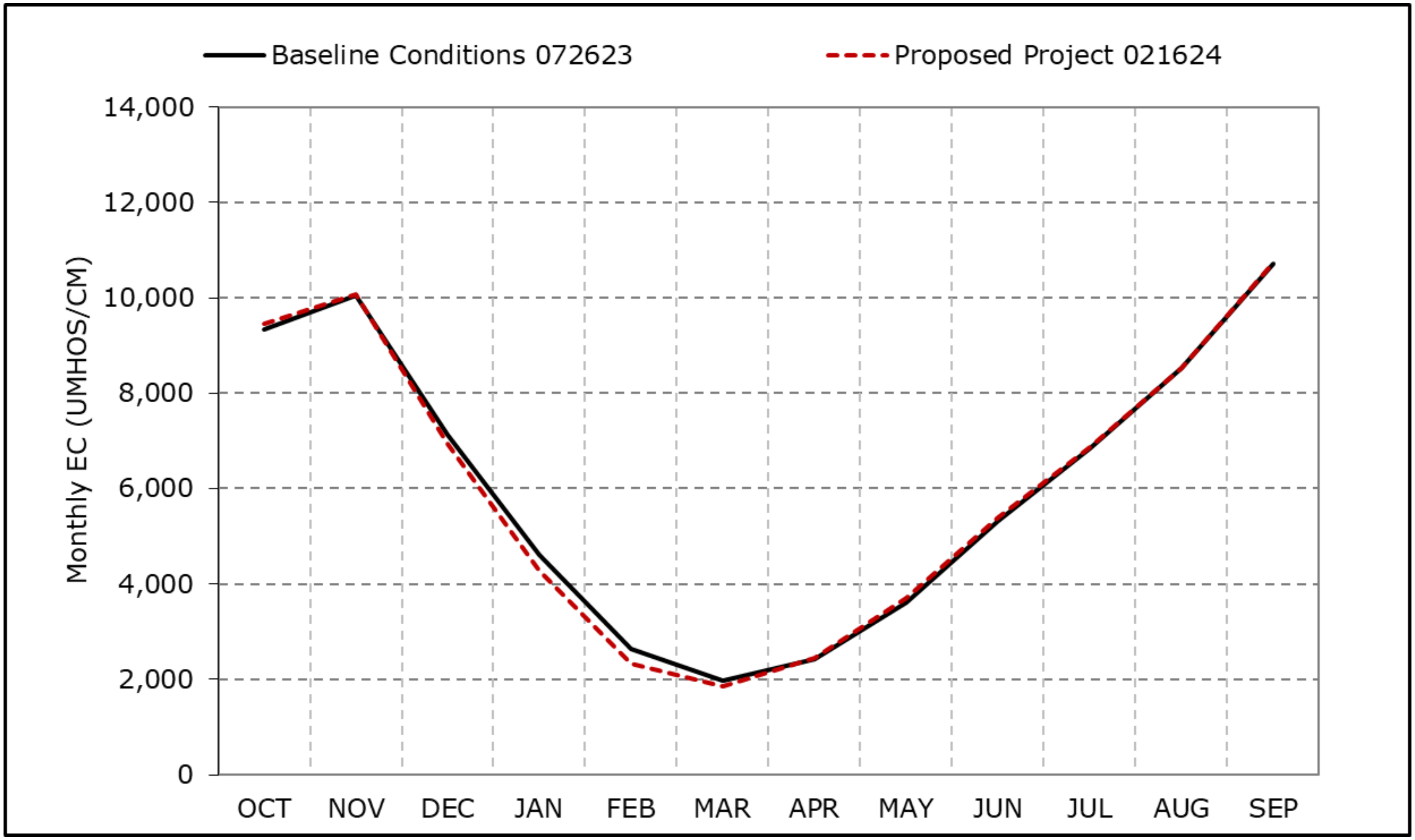
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-6e. Sacramento River at Collinsville Salinity, Dry Year Average EC



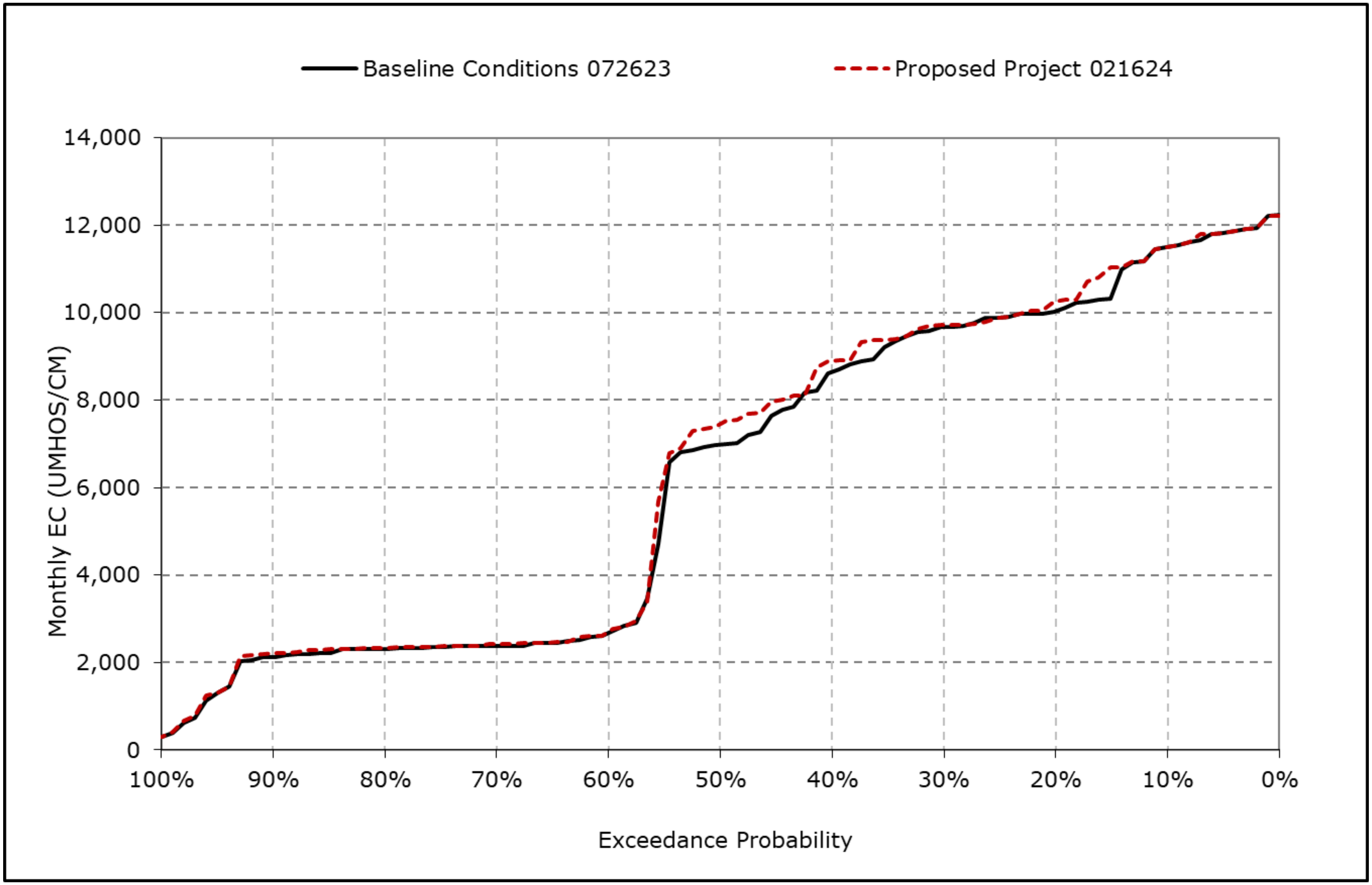
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-6f. Sacramento River at Collinsville Salinity, Critical Year Average EC



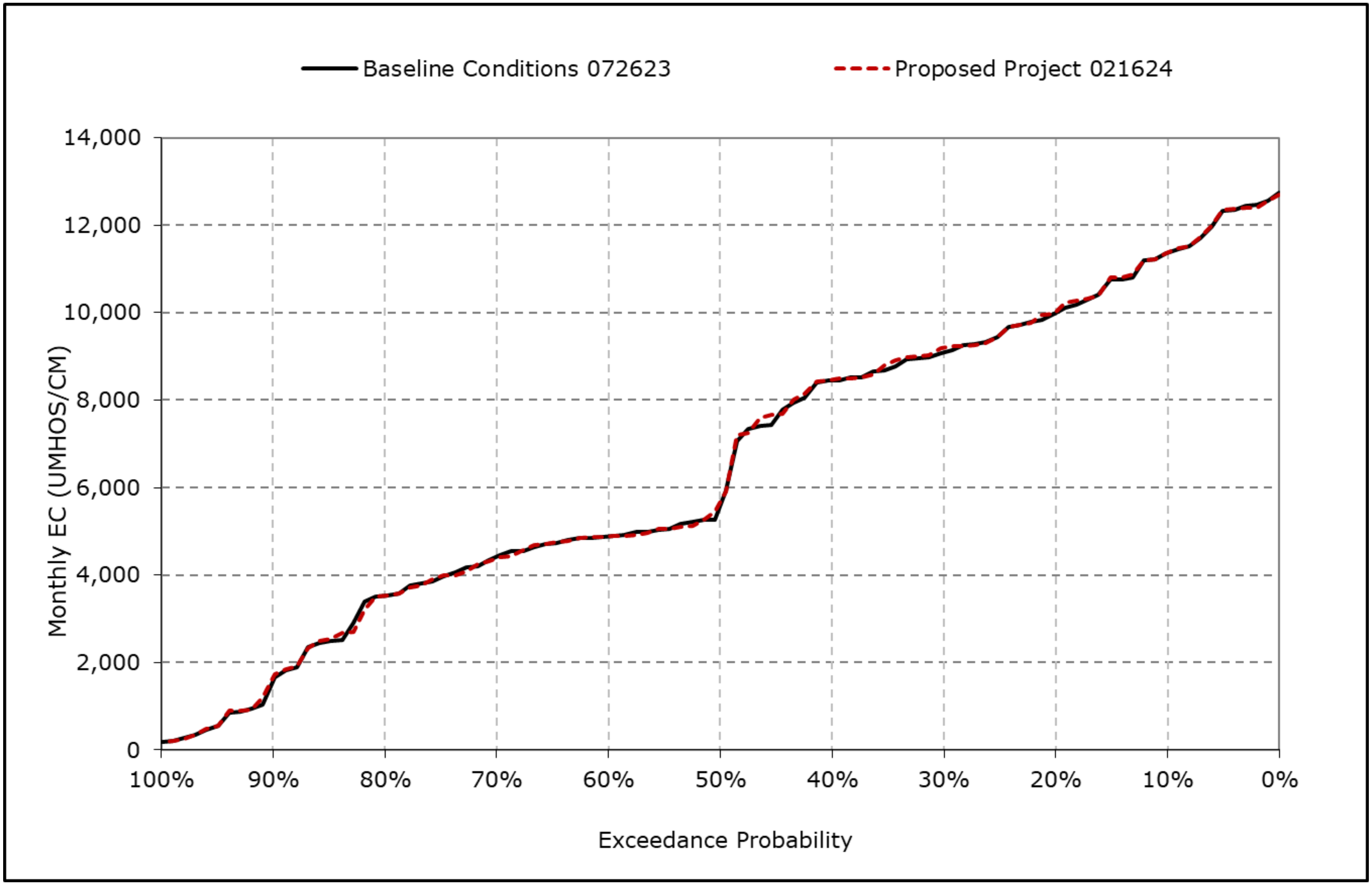
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-6g. Sacramento River at Collinsville Salinity, October EC



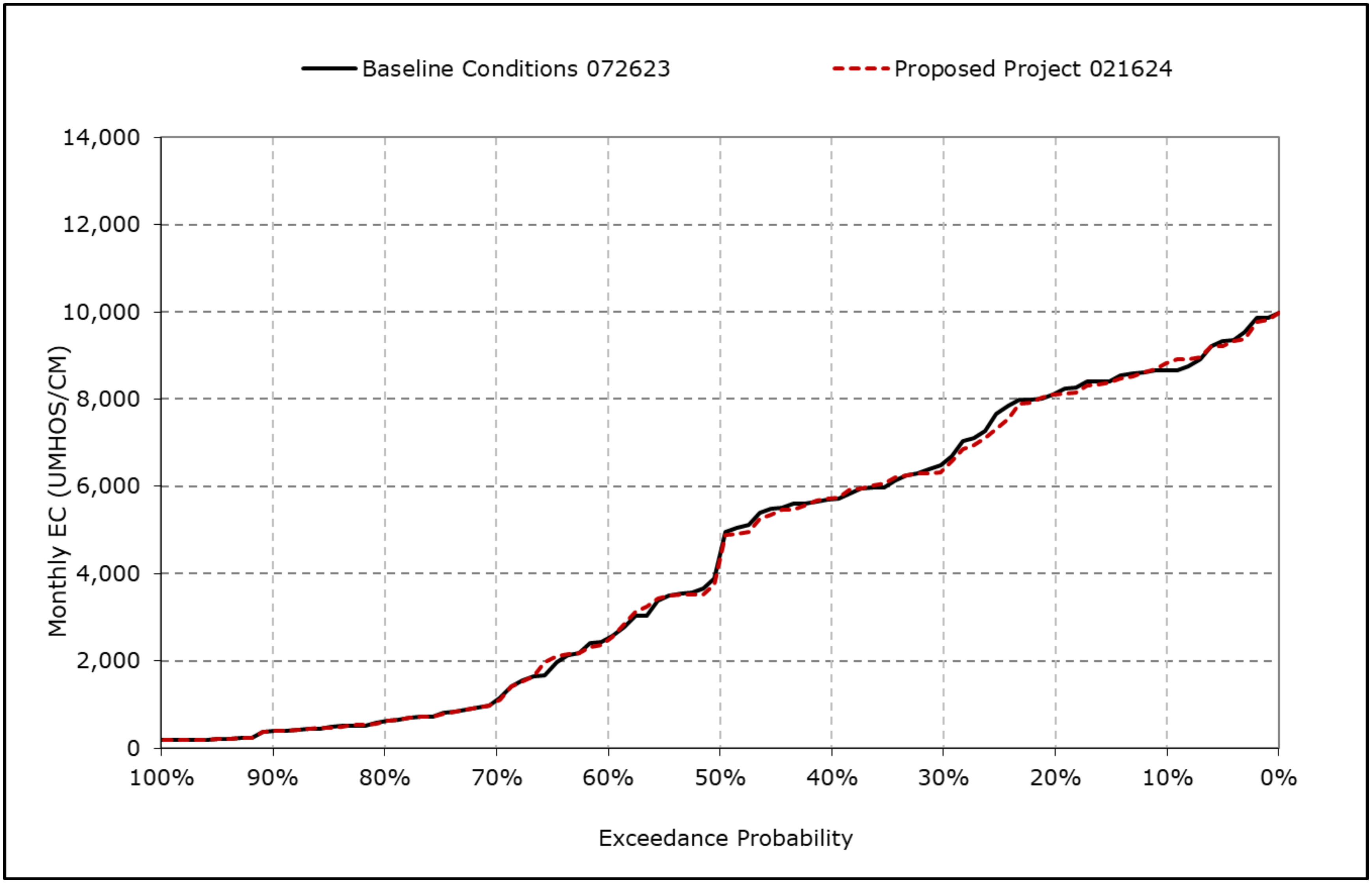
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-6h. Sacramento River at Collinsville Salinity, November EC



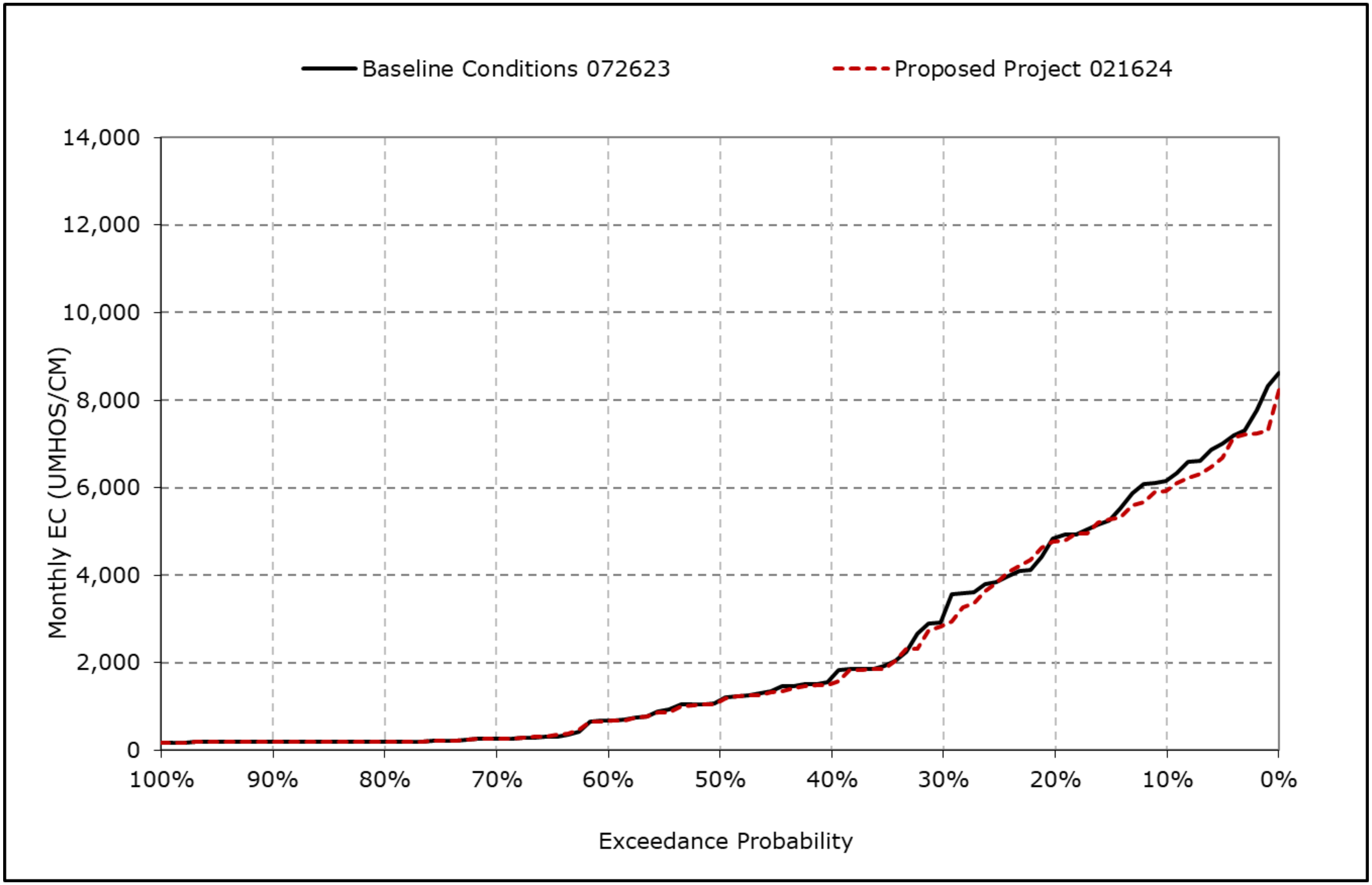
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-6i. Sacramento River at Collinsville Salinity, December EC



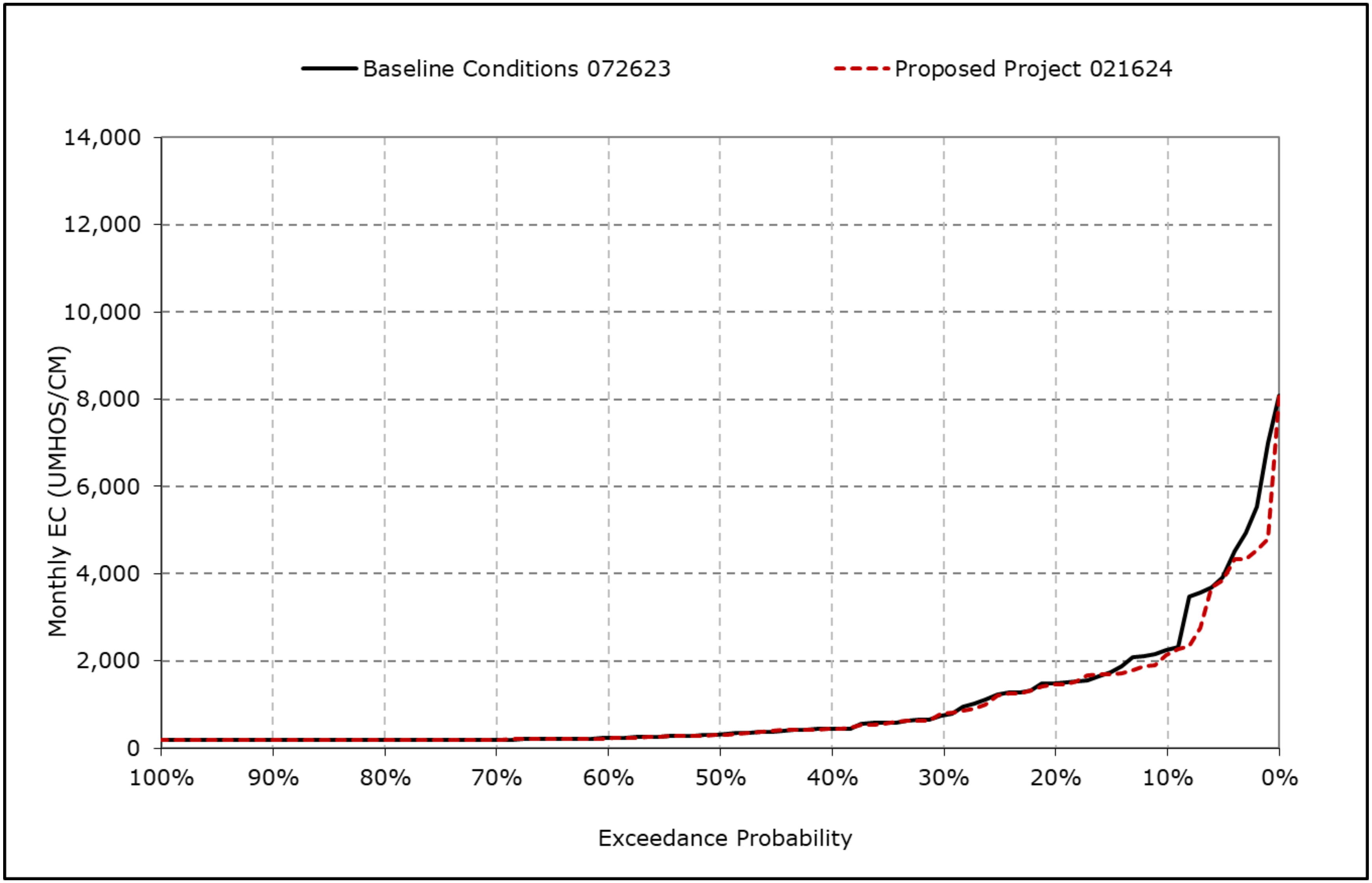
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-6j. Sacramento River at Collinsville Salinity, January EC



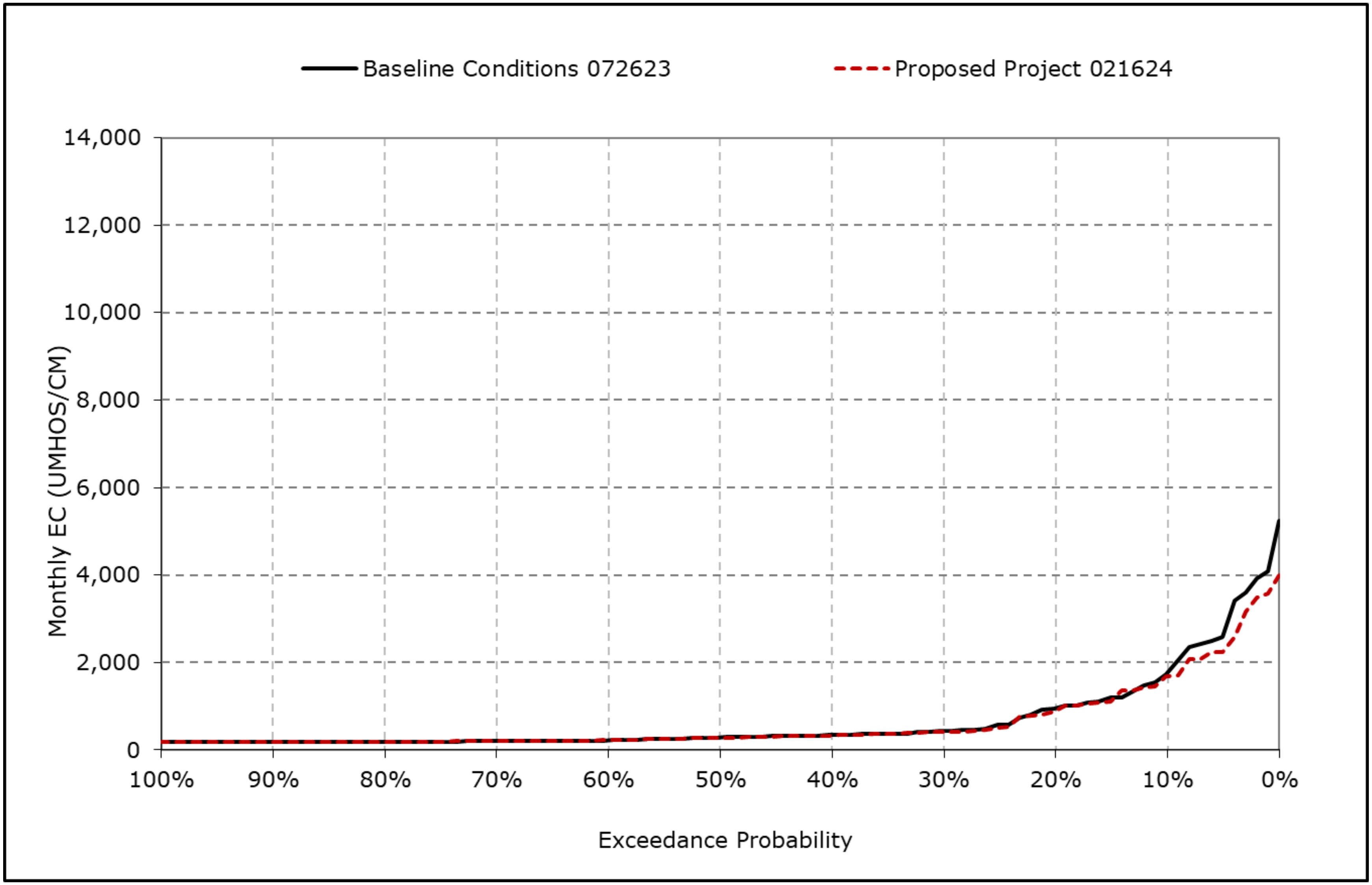
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-6k. Sacramento River at Collinsville Salinity, February EC



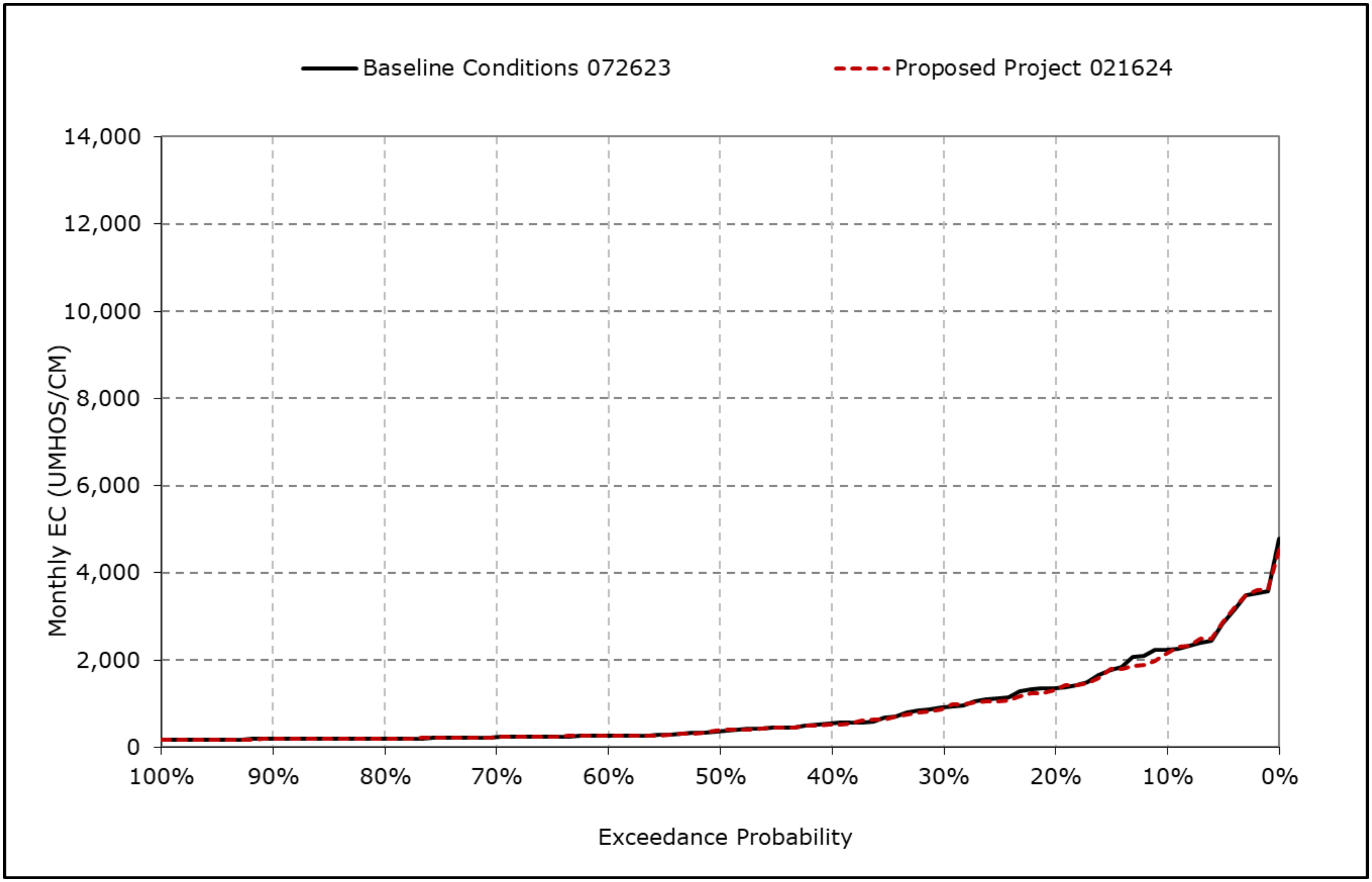
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-6l. Sacramento River at Collinsville Salinity, March EC



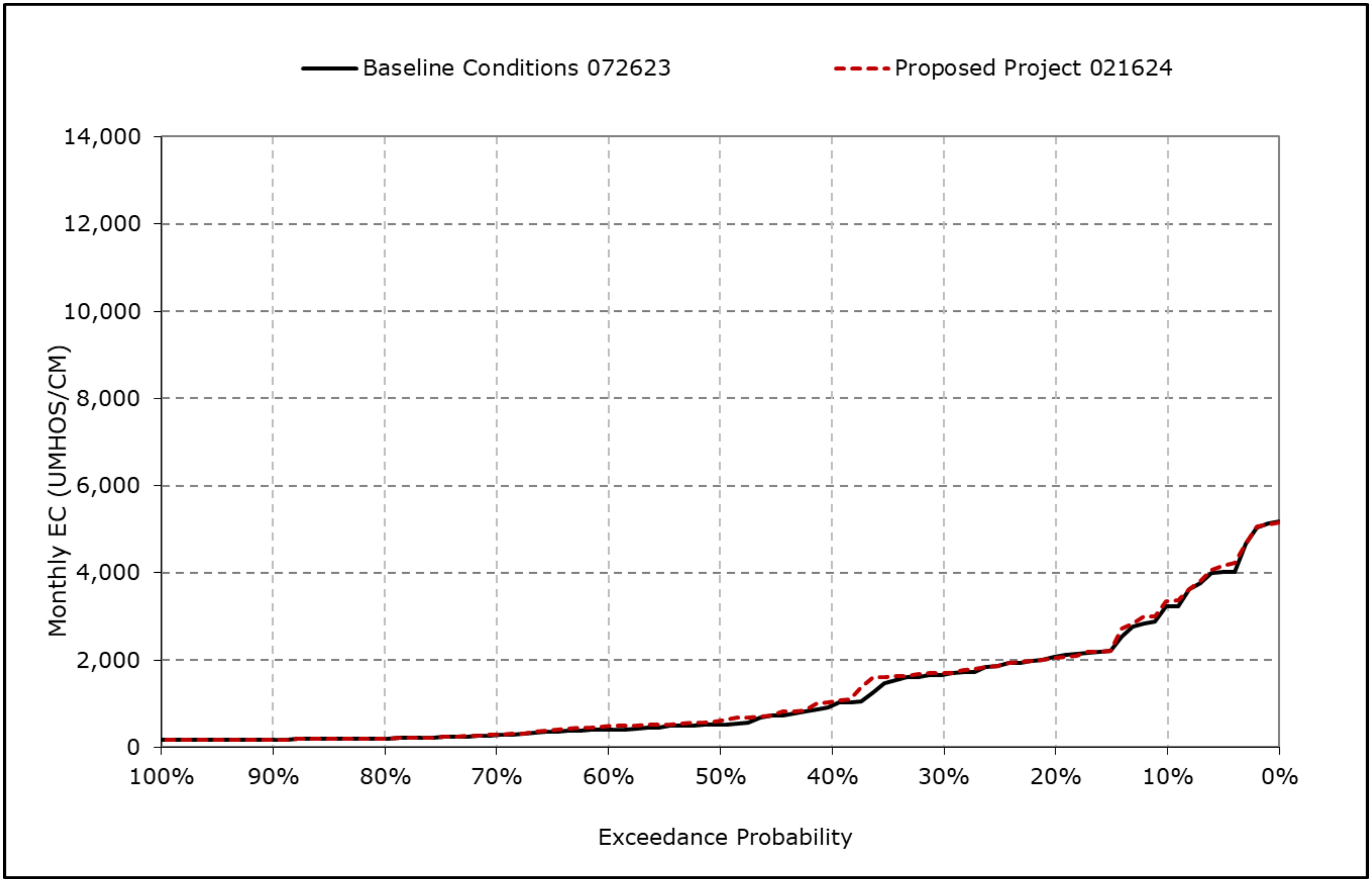
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-6m. Sacramento River at Collinsville Salinity, April EC



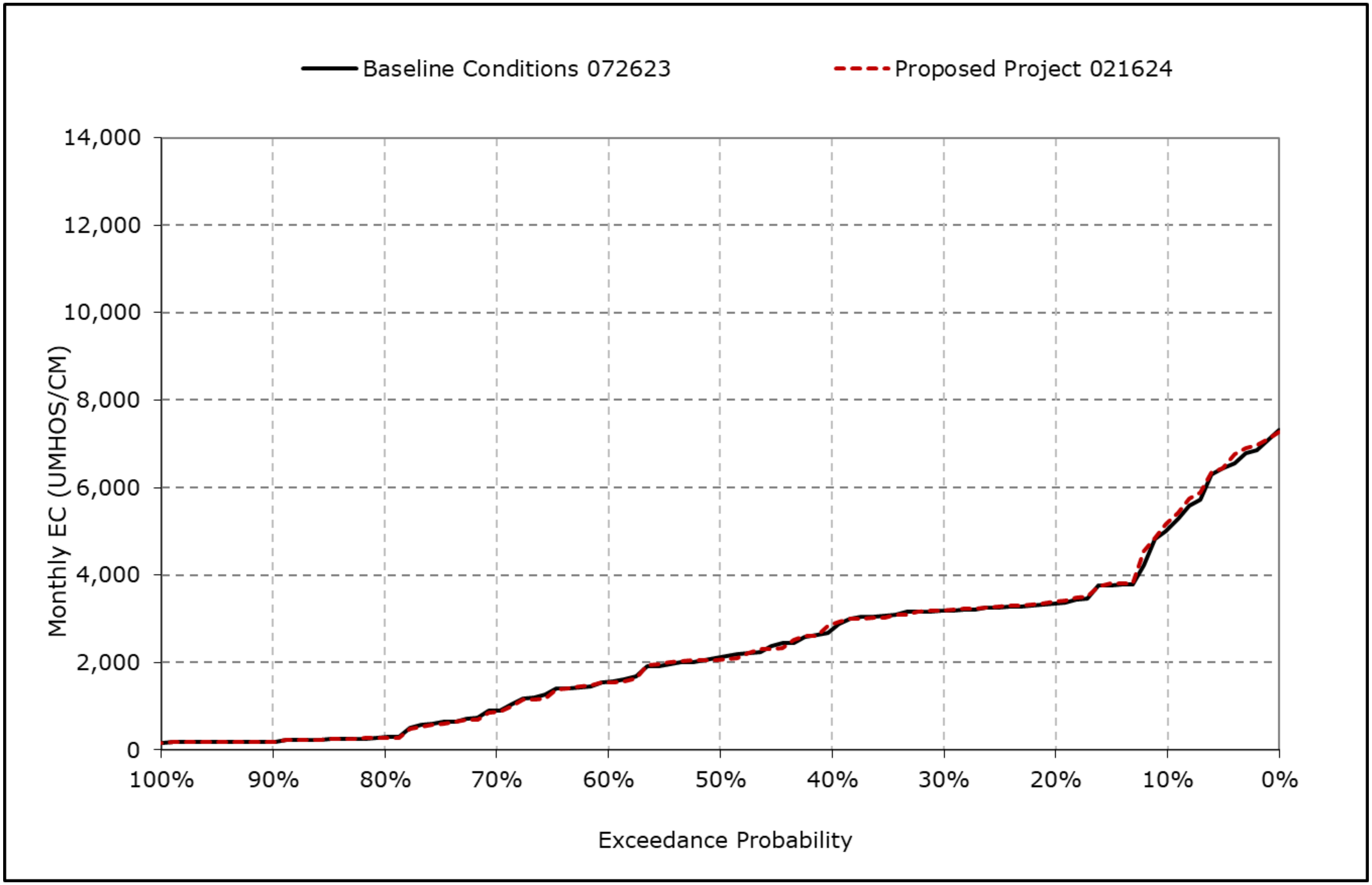
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-6n. Sacramento River at Collinsville Salinity, May EC



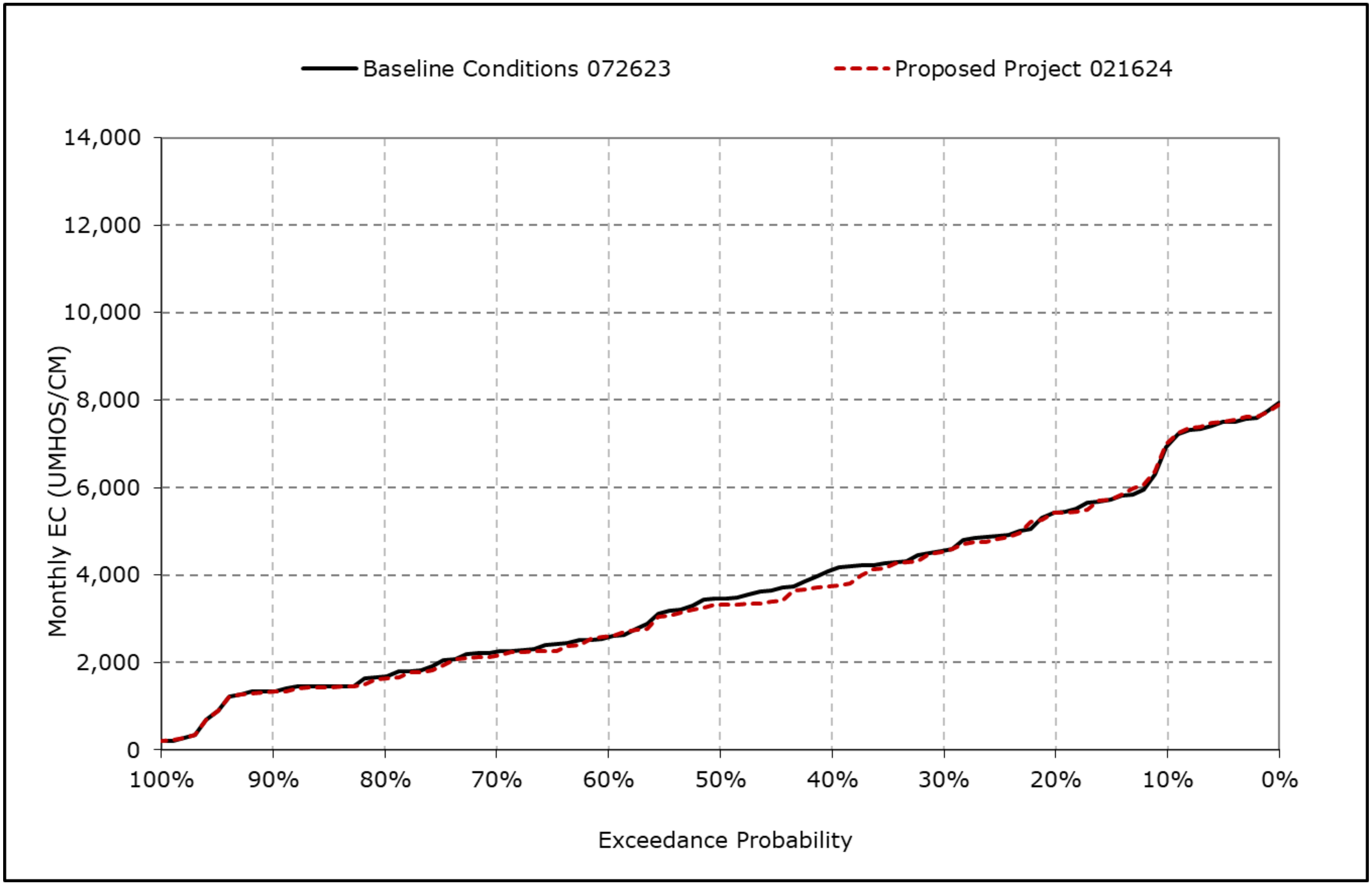
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-6o. Sacramento River at Collinsville Salinity, June EC



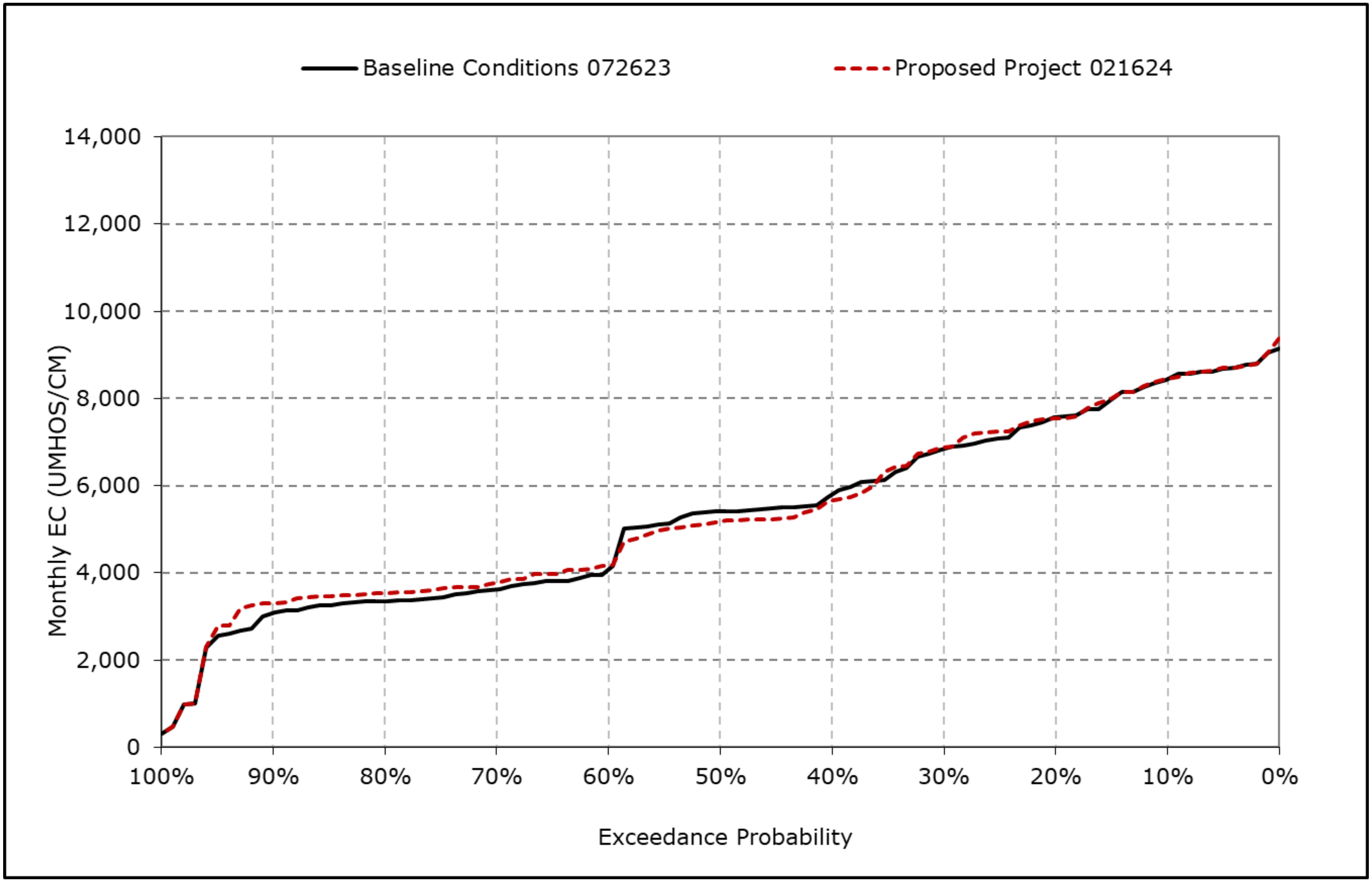
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-6p. Sacramento River at Collinsville Salinity, July EC



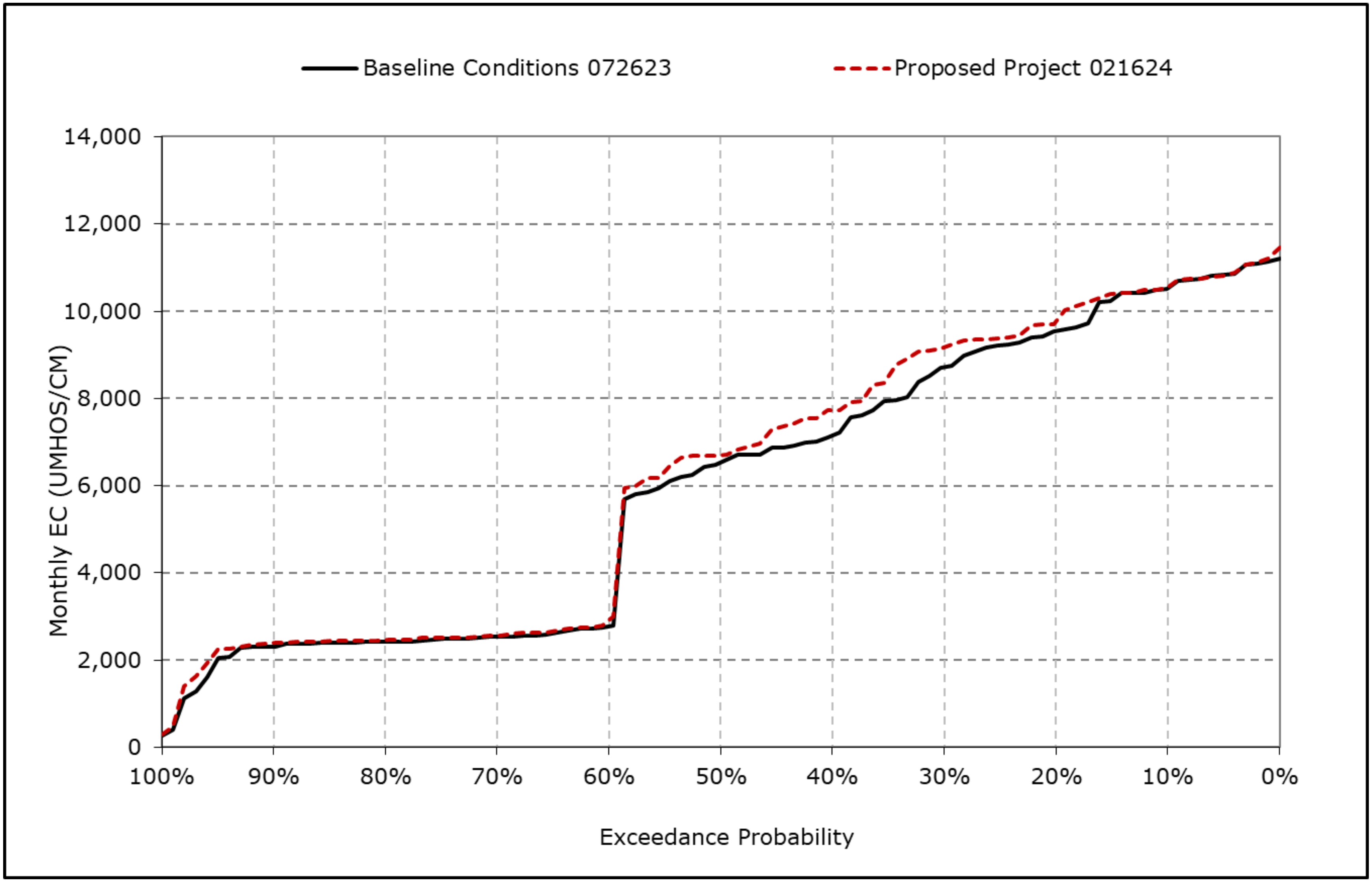
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-6q. Sacramento River at Collinsville Salinity, August EC



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

Figure 4B-6-6r. Sacramento River at Collinsville Salinity, September EC



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

Table 4B-6-7-1a. Sacramento River at Mallard Slough Salinity, Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,990	15,607	12,772	9,827	4,731	3,826	4,574	5,865	8,199	11,110	12,695	15,076
20% Exceedance	14,427	14,287	12,260	8,257	3,247	2,277	3,089	4,296	6,137	8,947	11,475	13,822
30% Exceedance	14,065	13,251	10,590	5,837	1,640	1,069	2,204	3,578	5,846	8,065	10,886	12,970
40% Exceedance	12,972	12,605	9,596	3,390	1,092	831	1,375	2,267	5,247	7,238	9,779	11,383
50% Exceedance	11,181	9,402	7,721	2,470	689	588	890	1,336	4,225	6,570	9,078	10,754
60% Exceedance	5,358	8,266	4,969	1,521	357	348	527	1,024	3,354	5,143	7,367	5,686
70% Exceedance	5,009	7,749	2,362	431	223	226	390	595	2,161	4,657	6,781	5,305
80% Exceedance	4,920	6,587	1,242	227	201	203	245	315	662	3,615	6,379	5,192
90% Exceedance	4,571	3,694	665	196	191	191	196	210	296	2,956	5,941	4,959
Full Simulation Period Average[a]	9,763	9,974	6,960	3,775	1,806	1,352	1,695	2,380	4,202	6,415	8,818	9,578
Wet Water Years (30%)	8,297	7,471	2,586	832	252	257	376	586	1,386	3,249	5,681	4,781
Above Normal Years (11%)	10,009	10,297	6,857	1,455	383	348	436	844	2,556	4,401	6,735	5,017
Below Normal Years (21%)	8,958	9,320	8,172	3,951	1,497	853	1,112	1,674	4,201	6,566	9,193	10,850
Dry Water Years (22%)	9,697	10,864	9,000	6,124	2,801	1,973	2,496	3,365	5,654	8,472	10,927	13,083
Critical Water Years (16%)	13,491	14,078	10,838	7,431	4,735	3,899	4,698	6,371	8,622	10,707	12,741	15,218

Table 4B-6-7-1b. Sacramento River at Mallard Slough Salinity, Proposed Project 021624, Monthly EC (UMHOS/CM)

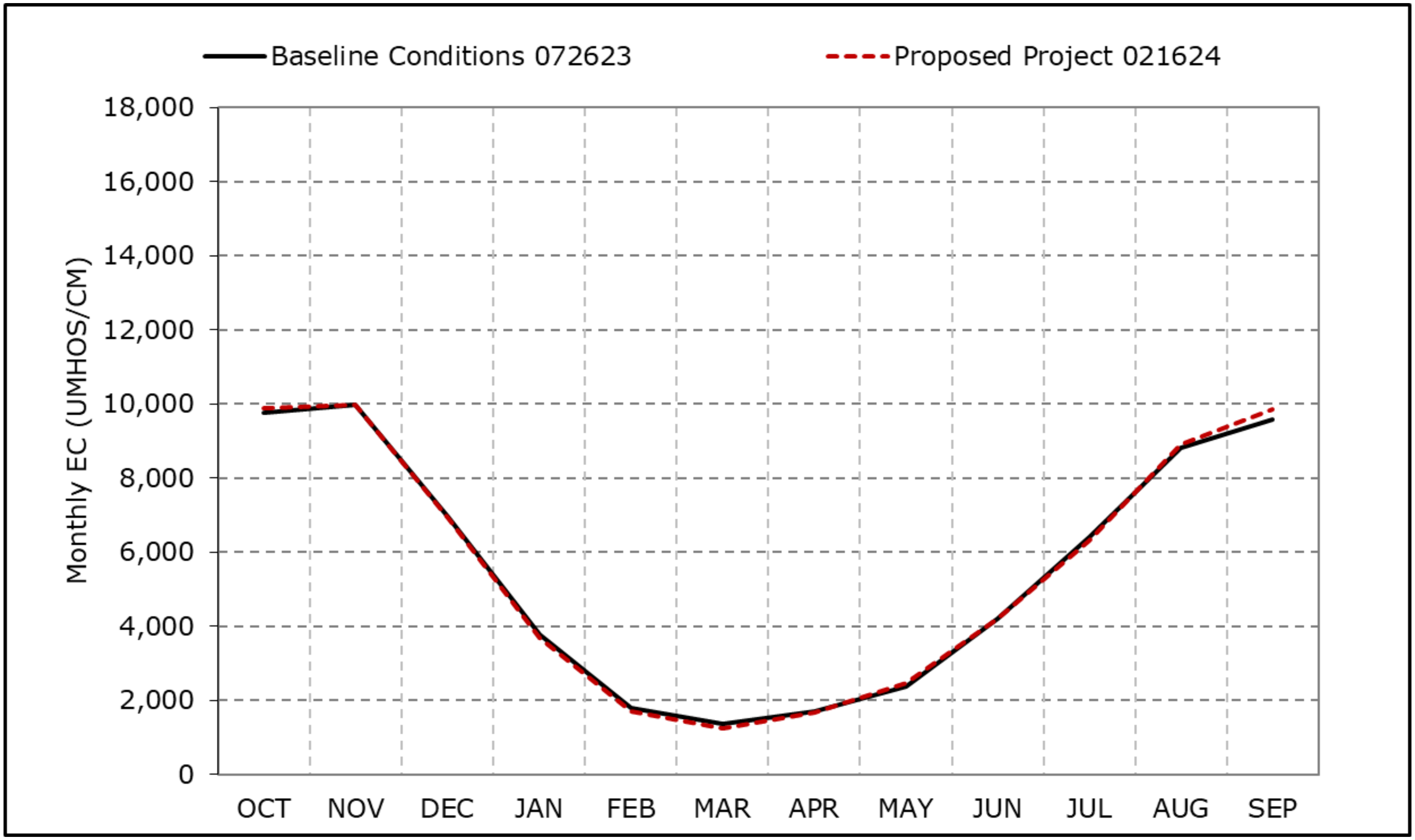
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,995	15,618	12,900	9,559	4,536	3,668	4,411	6,056	8,385	11,179	12,713	15,082
20% Exceedance	14,591	14,305	12,302	7,989	3,159	2,065	2,948	4,245	6,080	8,915	11,629	14,127
30% Exceedance	14,094	13,281	10,314	5,450	1,645	1,035	2,143	3,653	5,841	8,034	10,863	13,576
40% Exceedance	13,185	12,608	9,641	3,209	1,061	767	1,277	2,403	5,269	6,897	9,454	12,057
50% Exceedance	11,674	9,537	7,613	2,385	682	574	919	1,556	4,144	6,346	8,801	11,104
60% Exceedance	5,415	8,275	4,883	1,481	346	351	541	1,223	3,316	5,209	7,537	5,862
70% Exceedance	5,046	7,635	2,330	435	223	226	423	661	2,114	4,495	7,020	5,379
80% Exceedance	4,927	6,469	1,204	226	202	203	246	314	633	3,413	6,691	5,245
90% Exceedance	4,715	3,814	664	196	191	191	196	219	298	2,921	6,328	5,168
Full Simulation Period Average[a]	9,882	9,980	6,935	3,678	1,697	1,258	1,671	2,467	4,219	6,330	8,905	9,844
Wet Water Years (30%)	8,518	7,496	2,606	812	252	258	405	683	1,379	3,234	5,947	4,936
Above Normal Years (11%)	10,081	10,215	7,007	1,465	380	335	435	940	2,527	4,277	6,978	5,174
Below Normal Years (21%)	8,981	9,376	8,122	3,830	1,461	785	1,062	1,831	4,204	6,251	8,954	11,325
Dry Water Years (22%)	9,806	10,852	8,985	6,131	2,643	1,719	2,361	3,337	5,672	8,448	11,051	13,534
Critical Water Years (16%)	13,589	14,071	10,626	6,998	4,321	3,752	4,747	6,502	8,727	10,737	12,763	15,241

Table 4B-6-7-1c. Sacramento River at Mallard Slough Salinity, Proposed Project 021624 minus Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	5	11	127	-267	-195	-157	-162	191	187	69	19	6
20% Exceedance	164	18	42	-268	-88	-212	-141	-50	-56	-32	154	305
30% Exceedance	29	30	-276	-387	5	-34	-60	76	-5	-31	-23	606
40% Exceedance	213	2	45	-181	-31	-64	-99	136	23	-341	-326	674
50% Exceedance	493	135	-108	-85	-7	-14	28	220	-81	-224	-277	350
60% Exceedance	57	9	-87	-40	-11	3	15	199	-38	66	170	176
70% Exceedance	36	-114	-32	4	0	1	33	66	-47	-162	239	74
80% Exceedance	7	-118	-38	-1	0	0	1	-2	-30	-202	312	53
90% Exceedance	144	120	-1	0	0	0	0	9	2	-35	387	208
Full Simulation Period Average[a]	119	6	-25	-98	-109	-95	-24	88	16	-85	87	267
Wet Water Years (30%)	221	25	19	-20	0	1	29	97	-7	-15	266	156
Above Normal Years (11%)	72	-83	150	10	-3	-13	0	96	-29	-124	243	157
Below Normal Years (21%)	23	57	-50	-120	-36	-68	-50	157	3	-315	-239	475
Dry Water Years (22%)	109	-13	-15	8	-158	-254	-135	-27	18	-24	124	451
Critical Water Years (16%)	98	-7	-212	-433	-414	-147	49	131	105	30	21	23

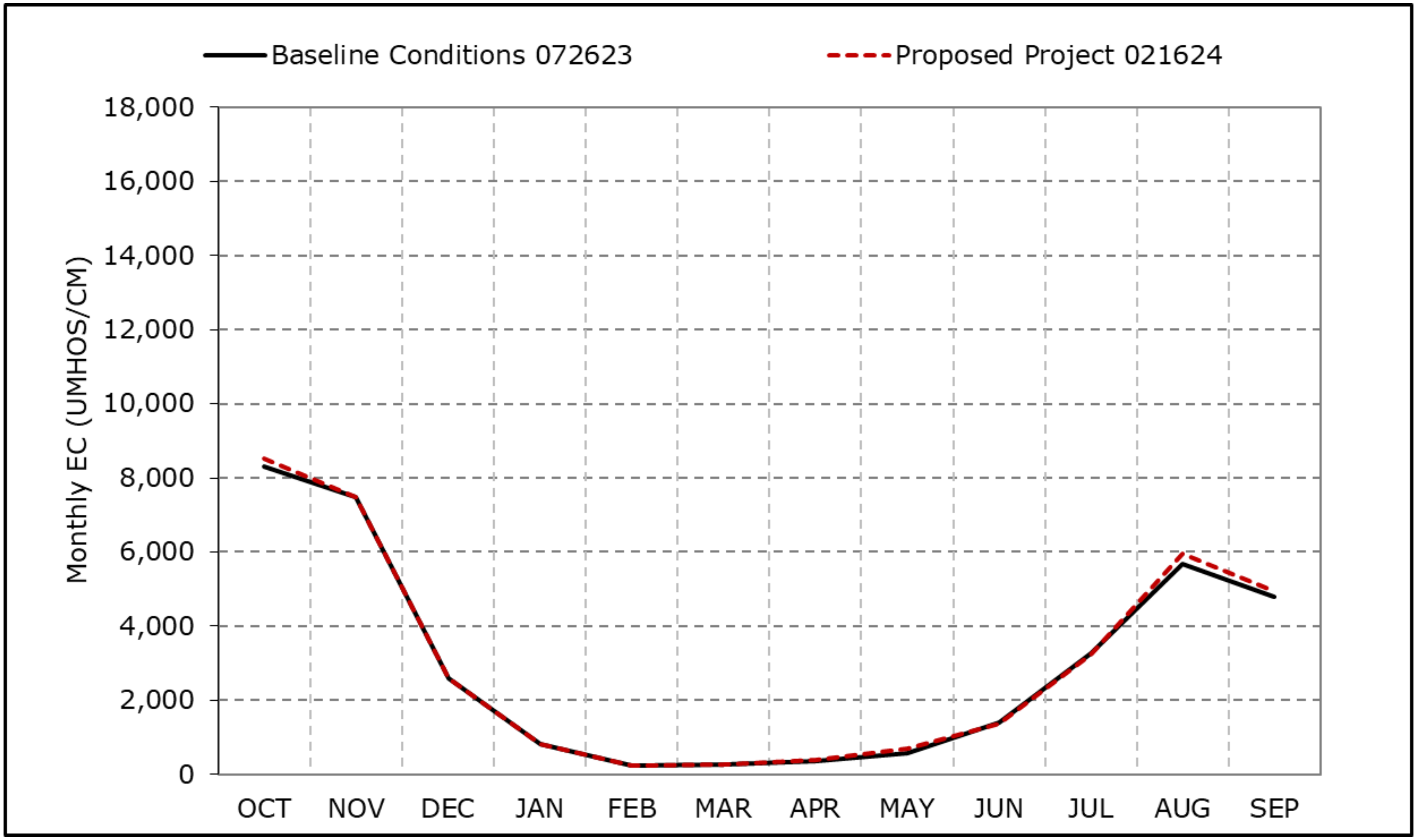
[a] Based on the 100-year simulation period.
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-6-7a. Sacramento River at Mallard Slough Salinity, Long-Term Average EC



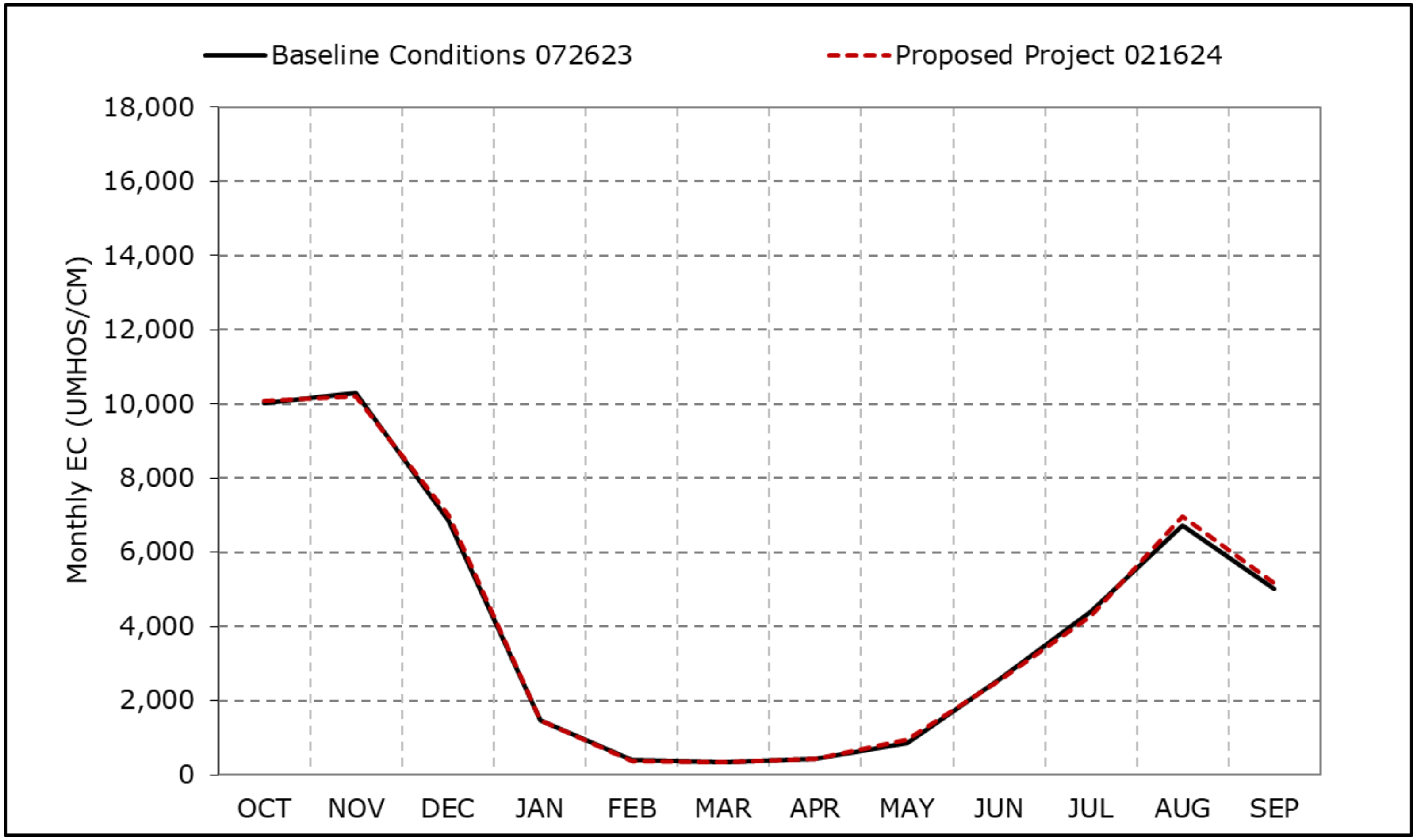
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-7b. Sacramento River at Mallard Slough Salinity, Wet Year Average EC



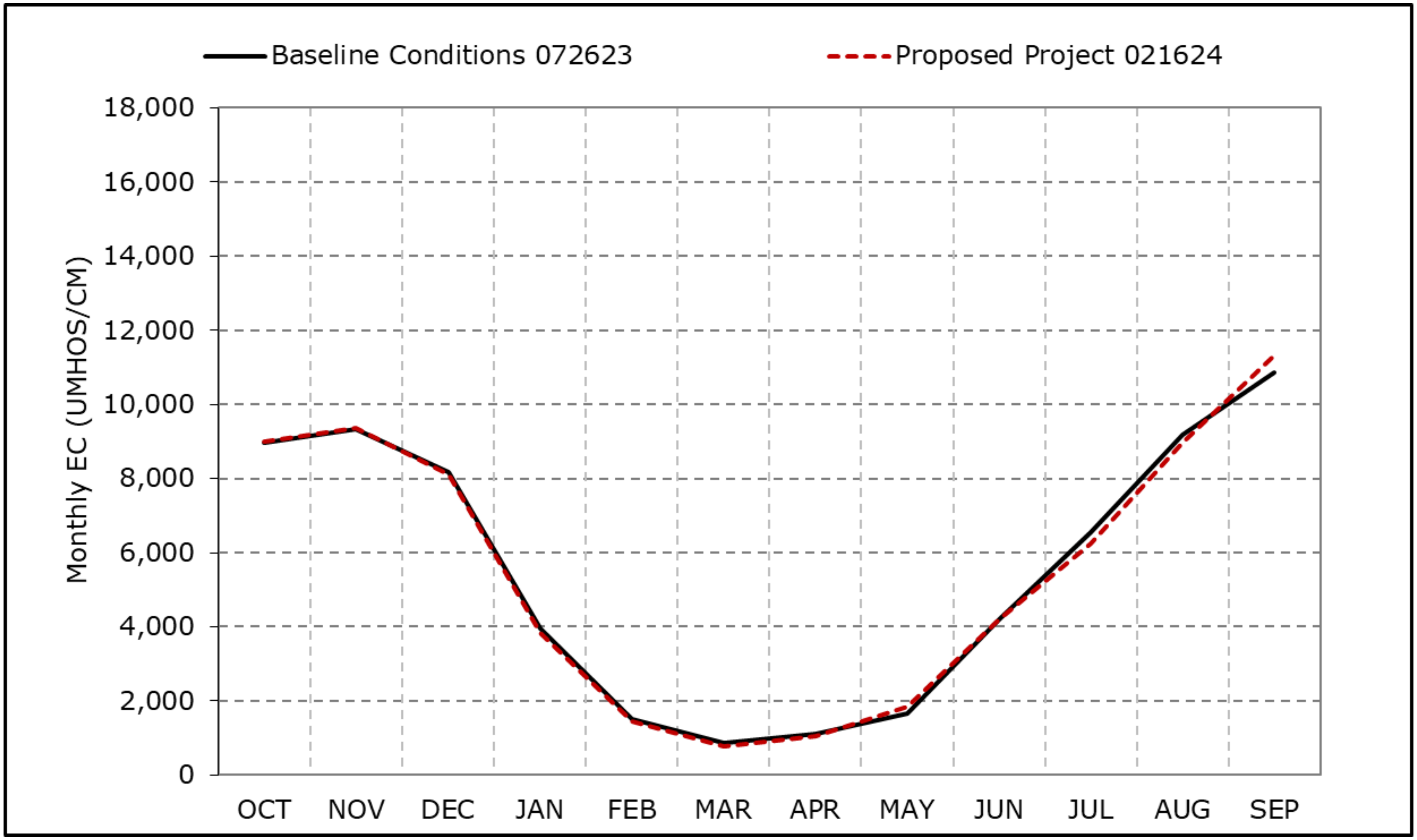
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-7c. Sacramento River at Mallard Slough Salinity, Above Normal Year Average EC



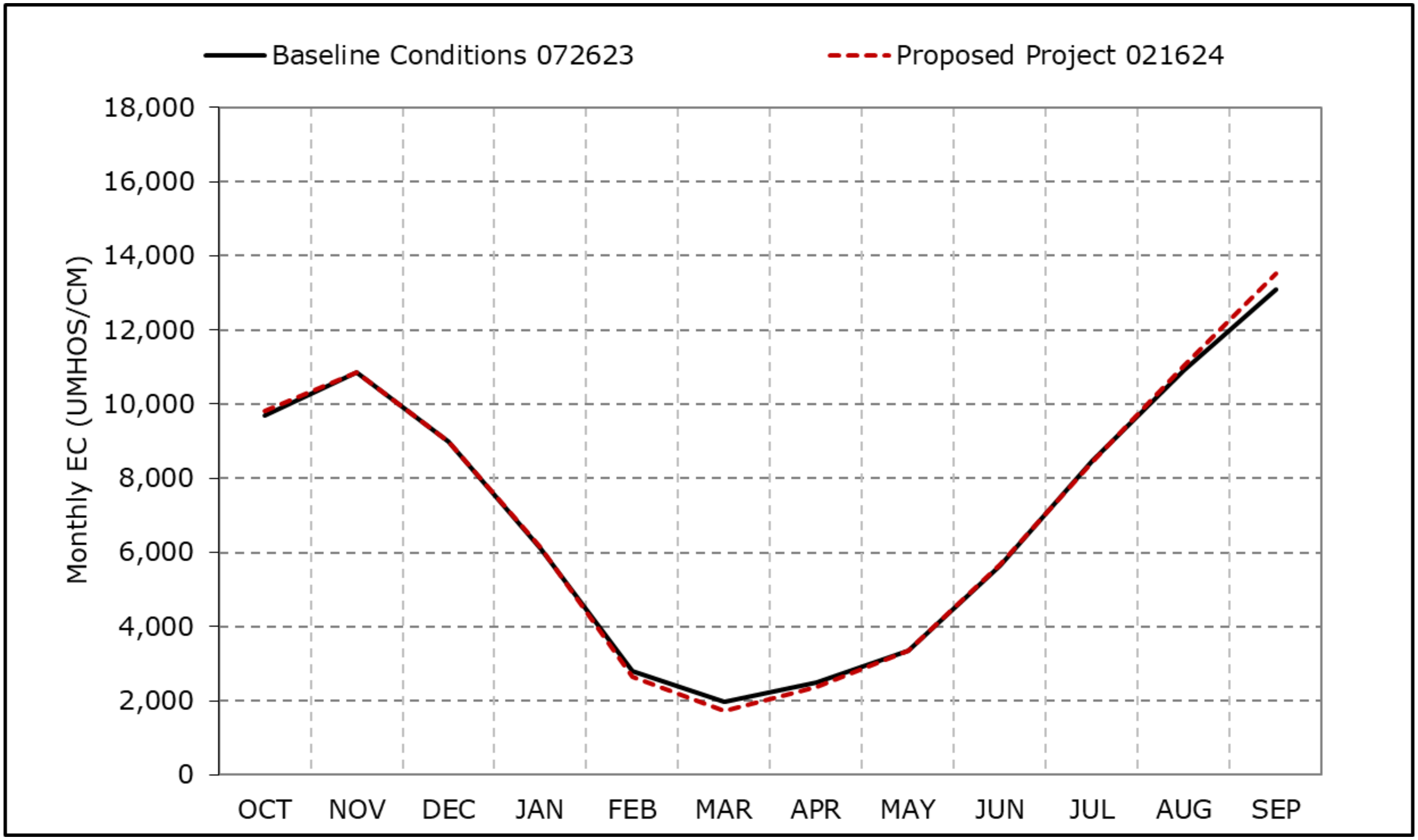
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-7d. Sacramento River at Mallard Slough Salinity, Below Normal Year Average EC



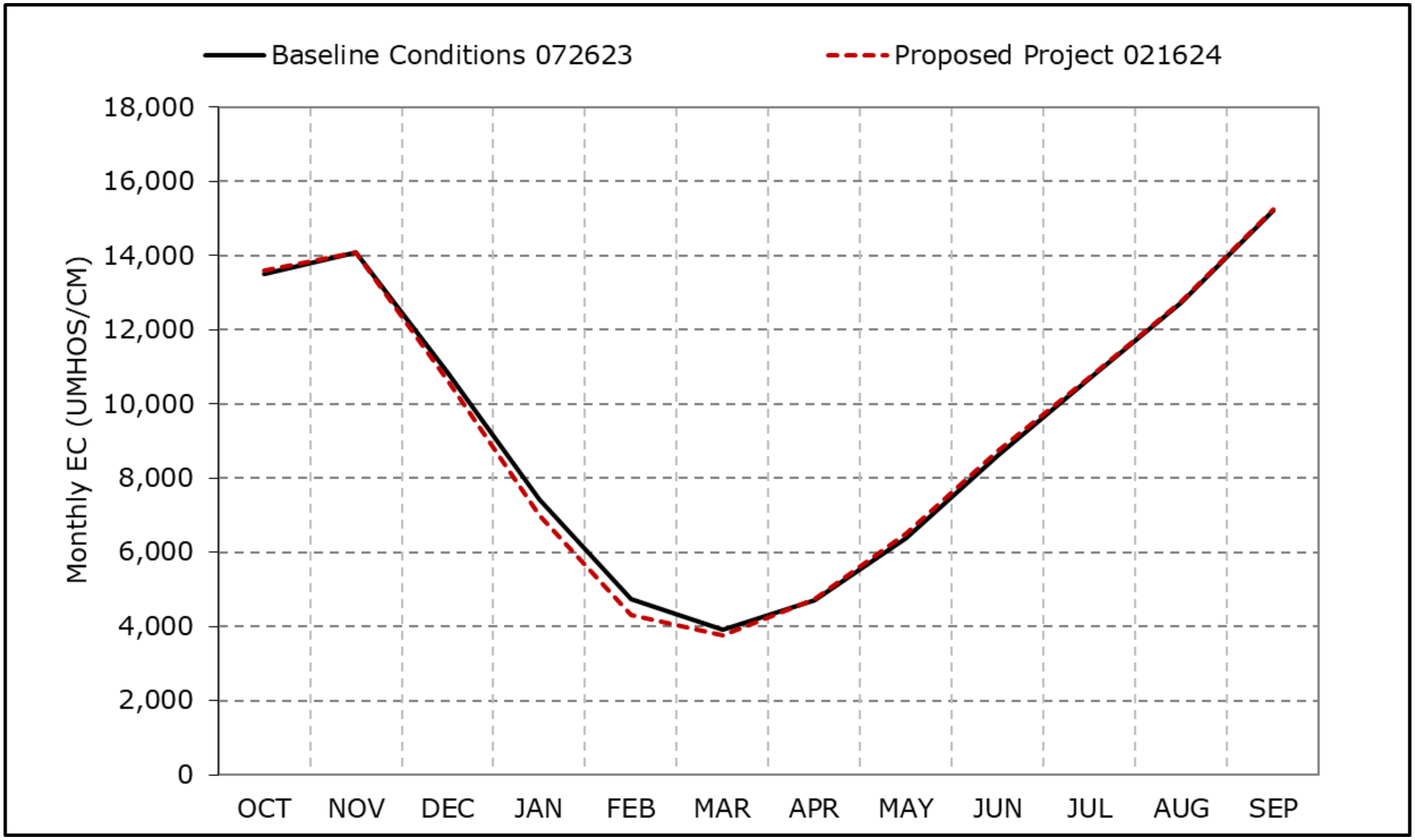
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-7e. Sacramento River at Mallard Slough Salinity, Dry Year Average EC



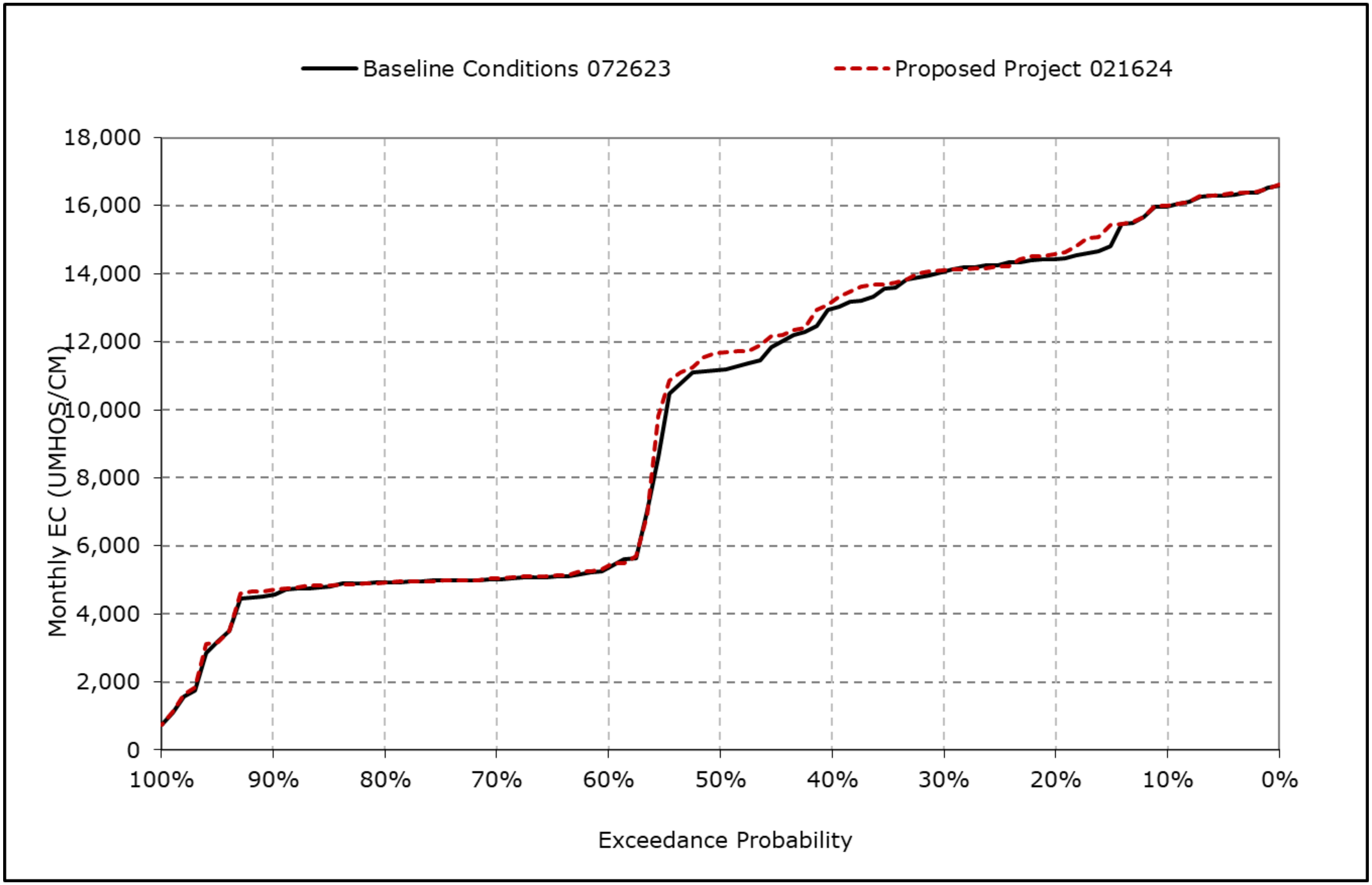
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-7f. Sacramento River at Mallard Slough Salinity, Critical Year Average EC



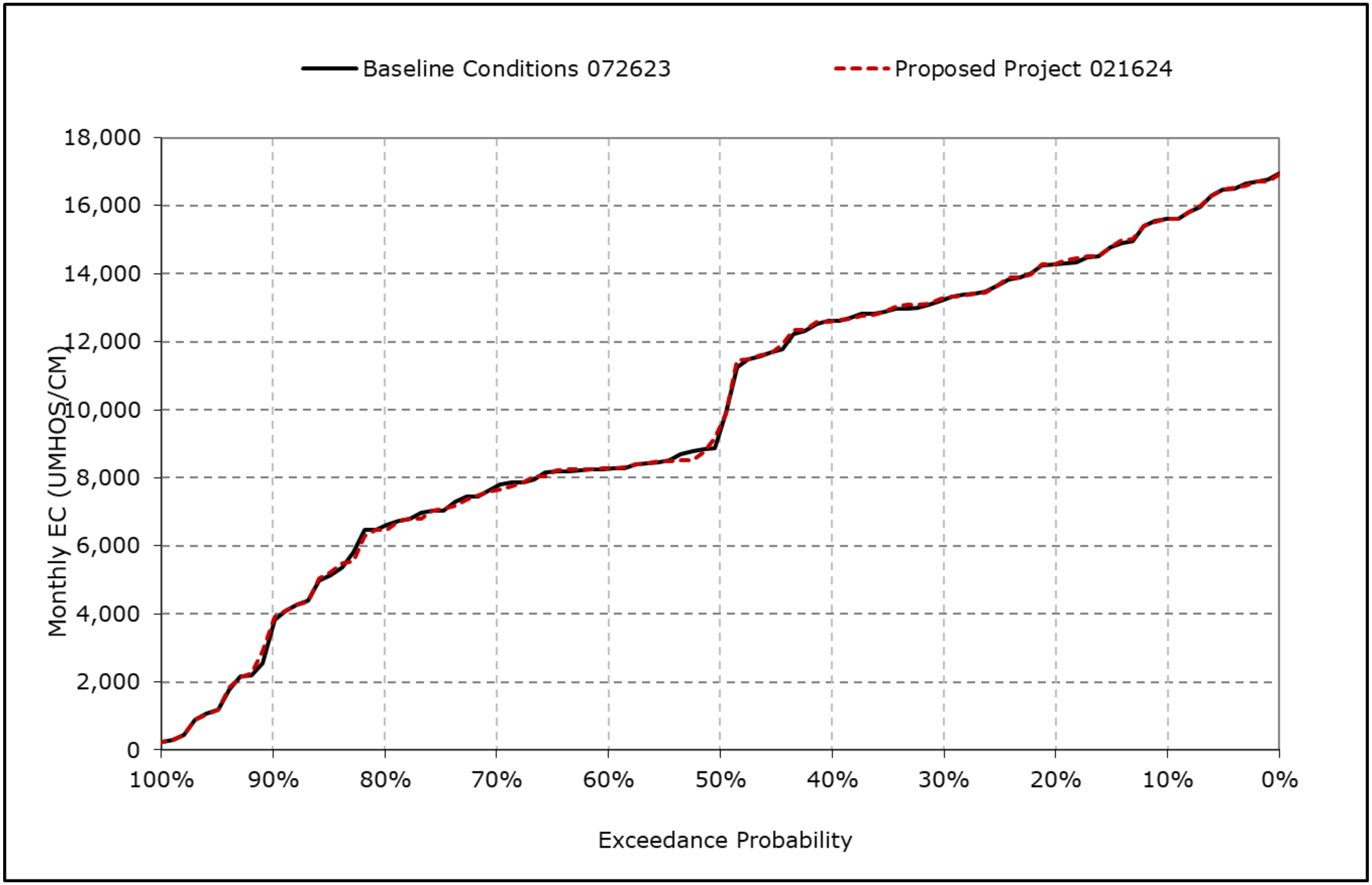
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-7g. Sacramento River at Mallard Slough Salinity, October EC



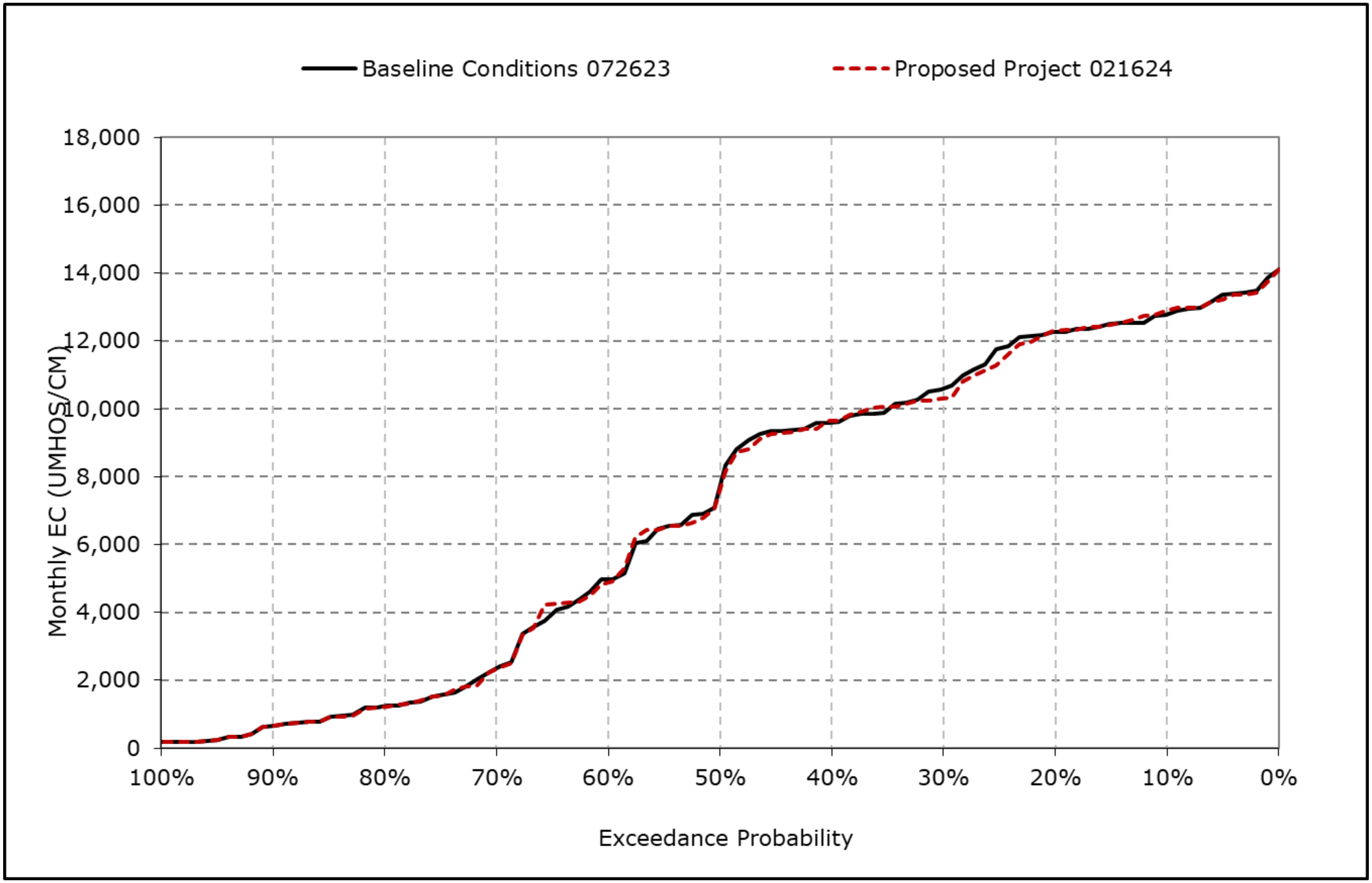
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-7h. Sacramento River at Mallard Slough Salinity, November EC



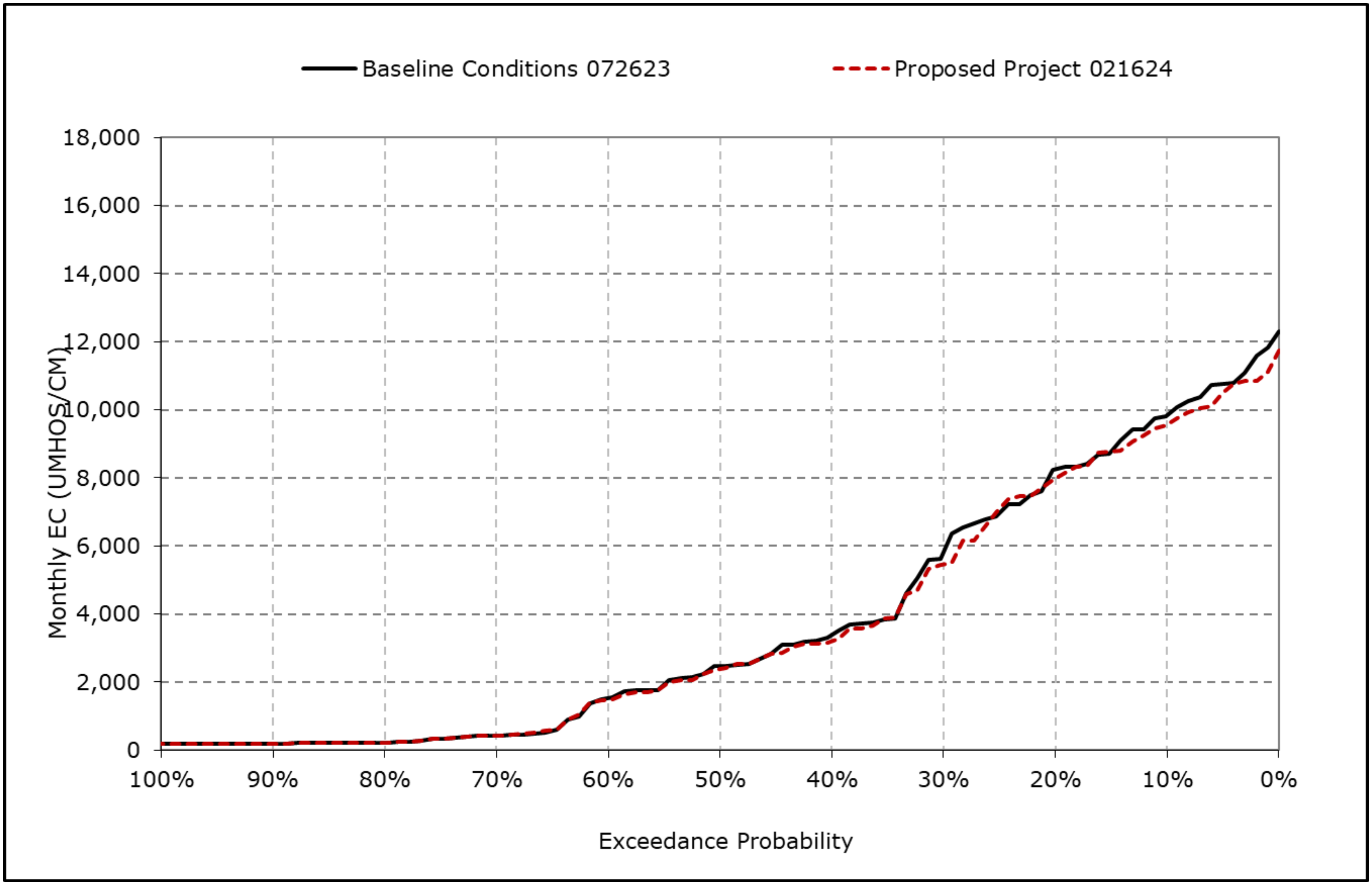
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-7i. Sacramento River at Mallard Slough Salinity, December EC



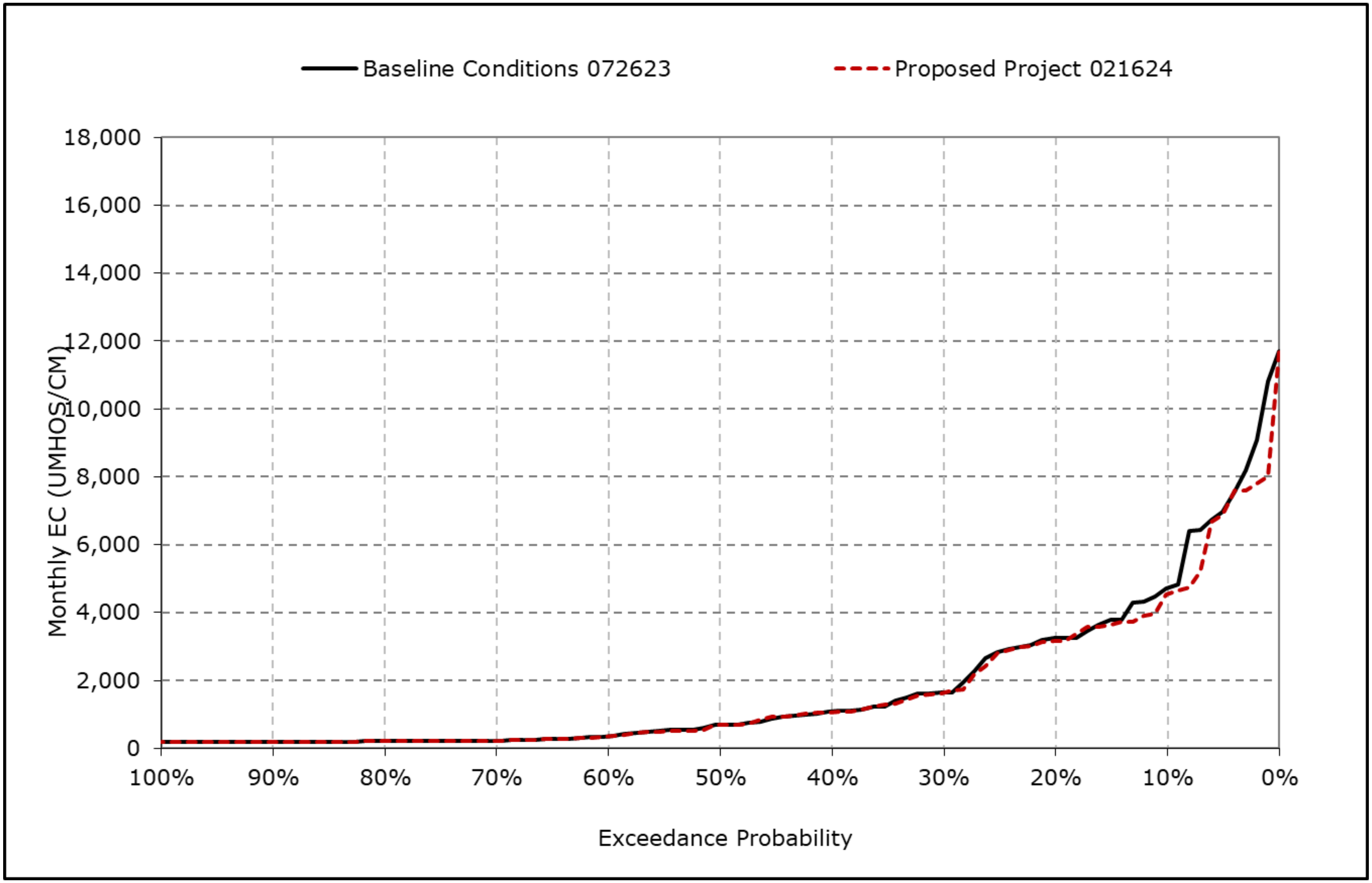
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-7j. Sacramento River at Mallard Slough Salinity, January EC



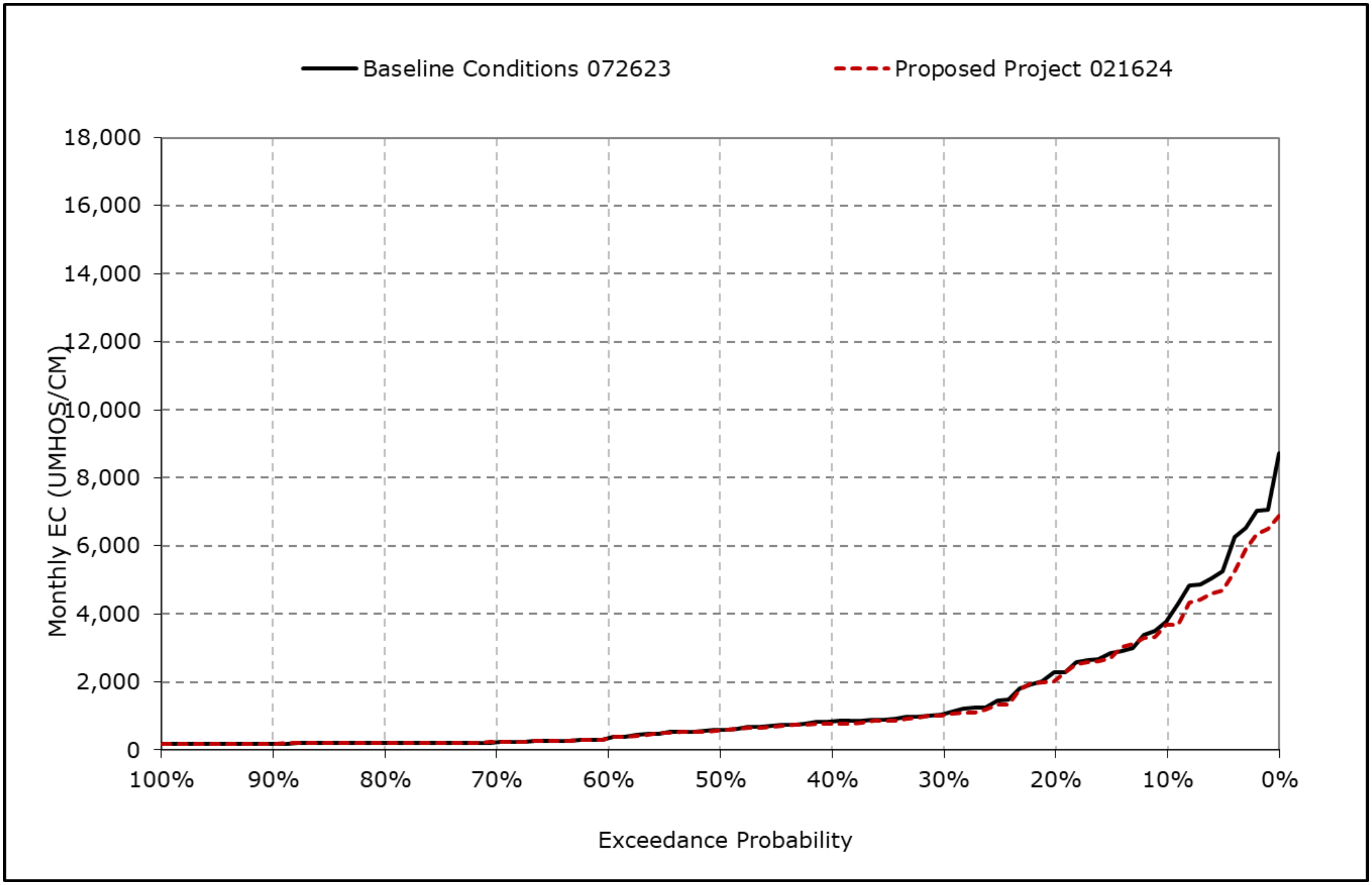
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-7k. Sacramento River at Mallard Slough Salinity, February EC



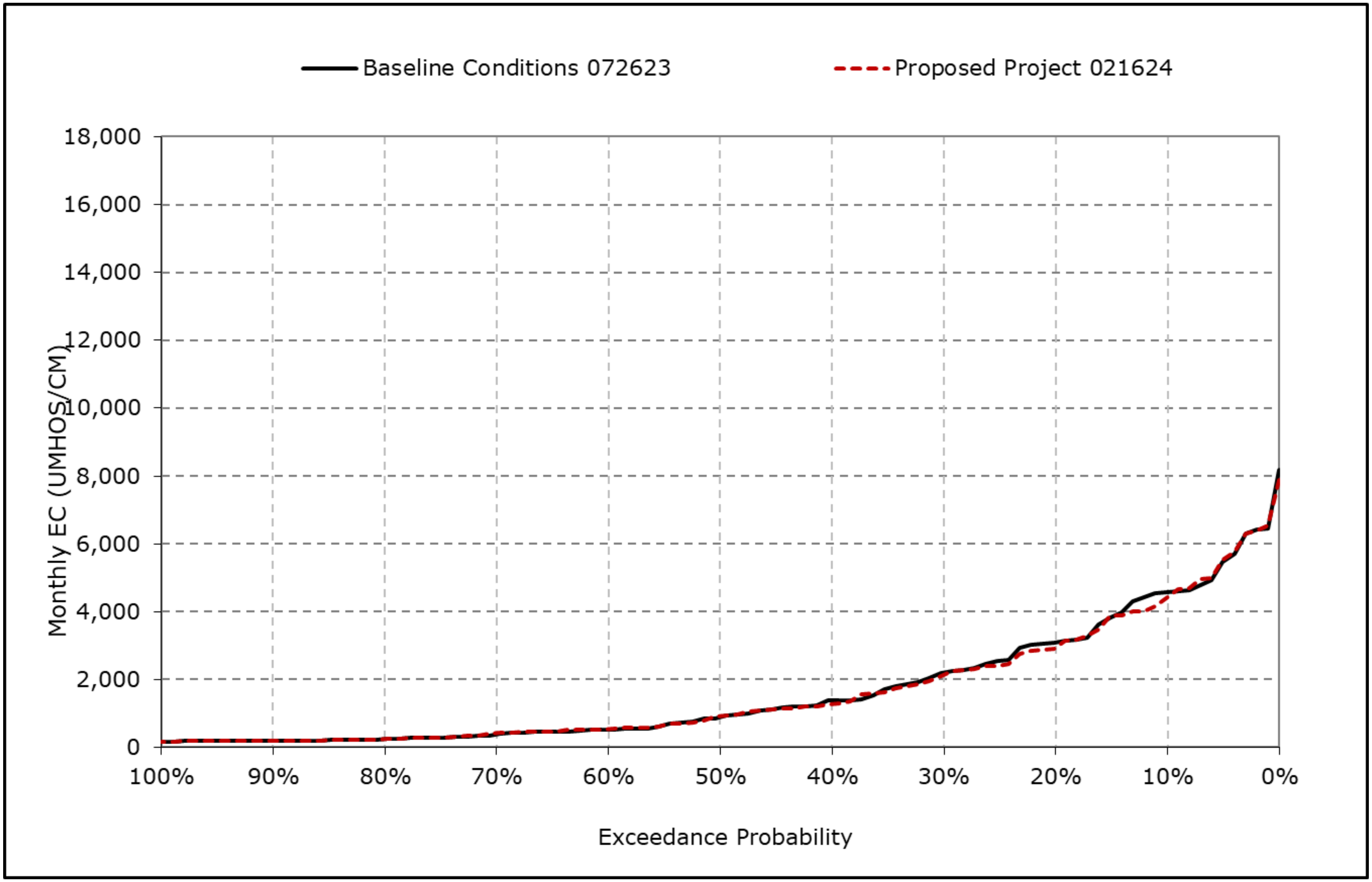
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-7l. Sacramento River at Mallard Slough Salinity, March EC



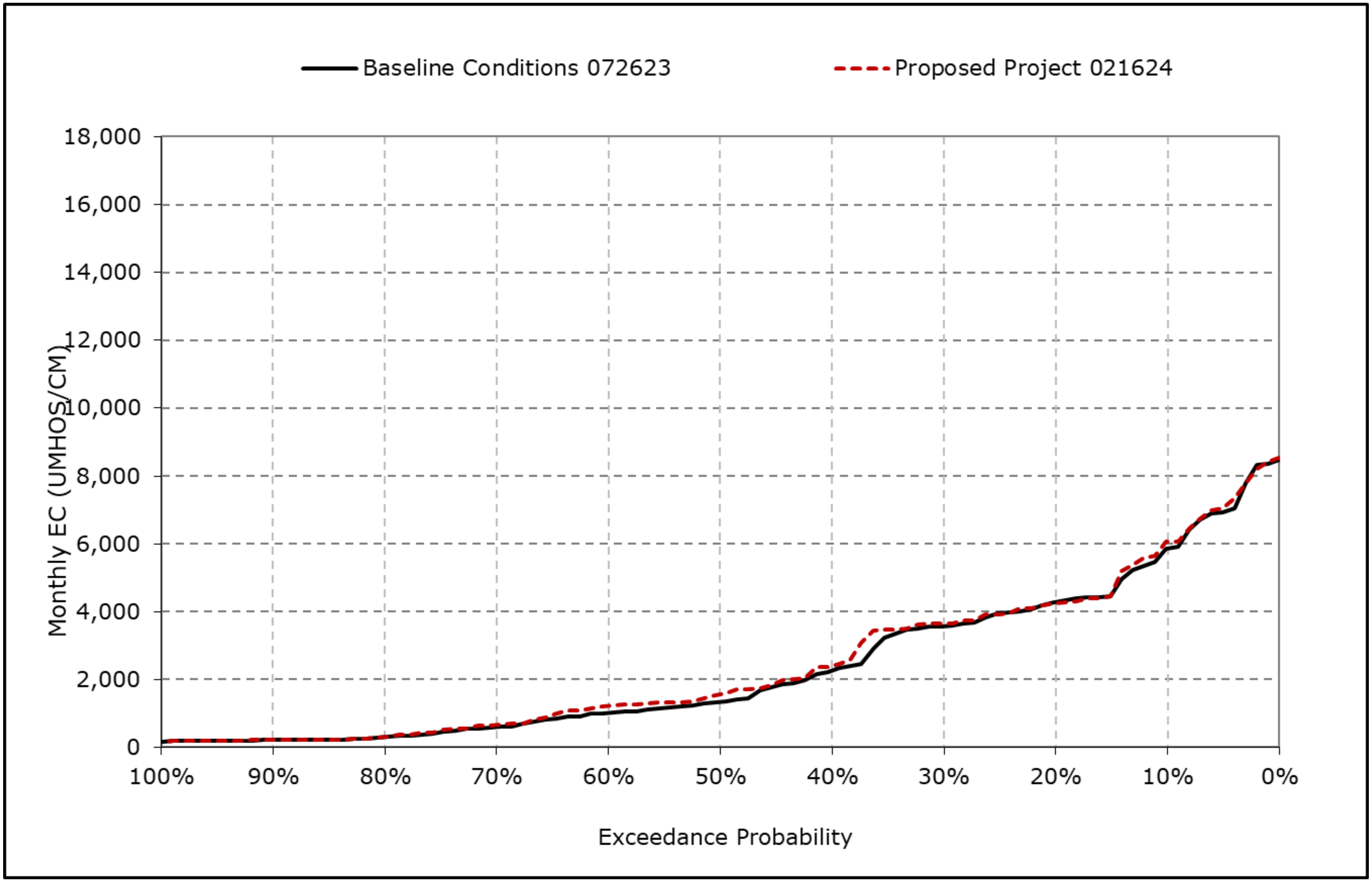
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-7m. Sacramento River at Mallard Slough Salinity, April EC



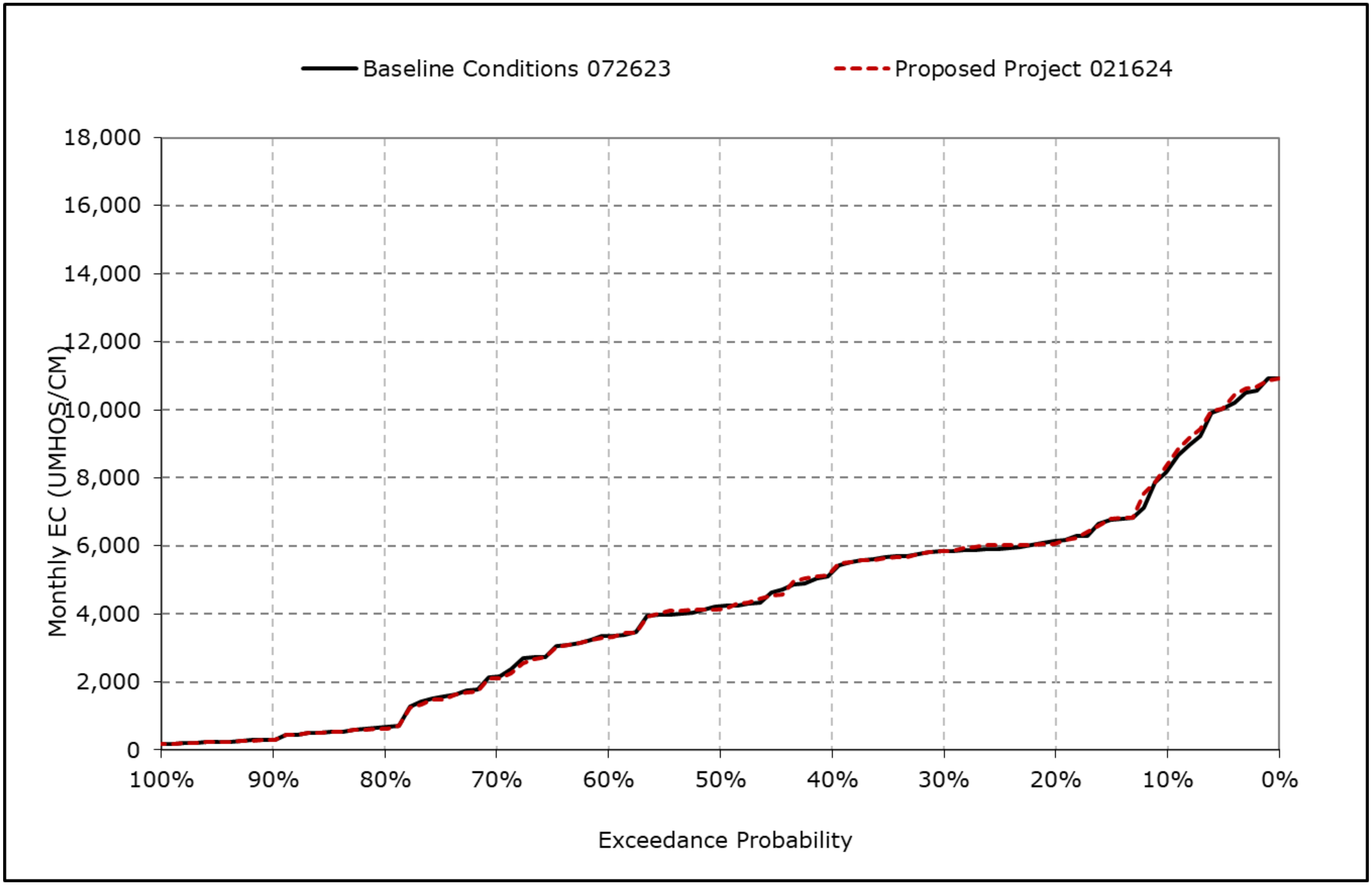
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-7n. Sacramento River at Mallard Slough Salinity, May EC



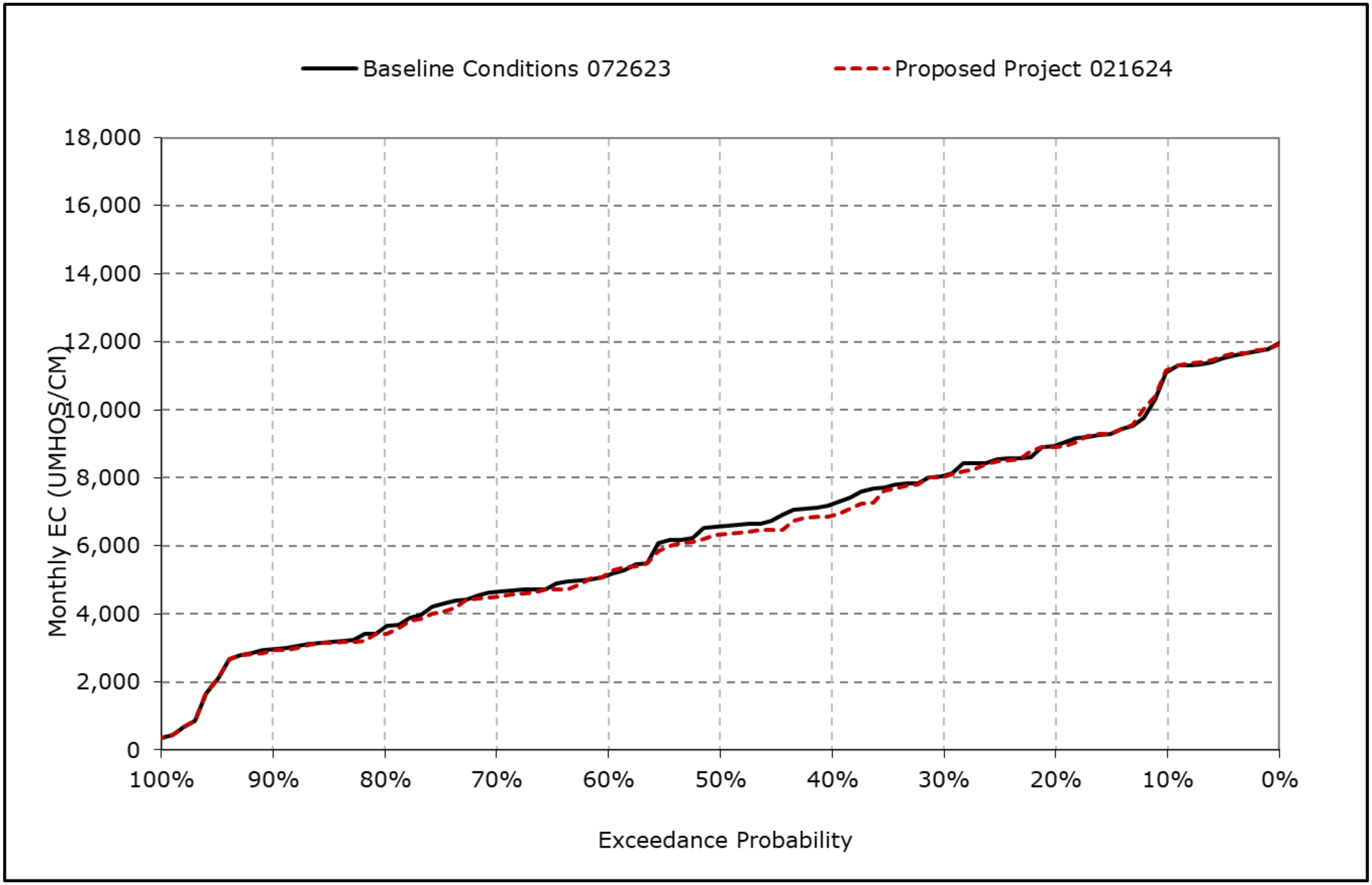
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-7o. Sacramento River at Mallard Slough Salinity, June EC



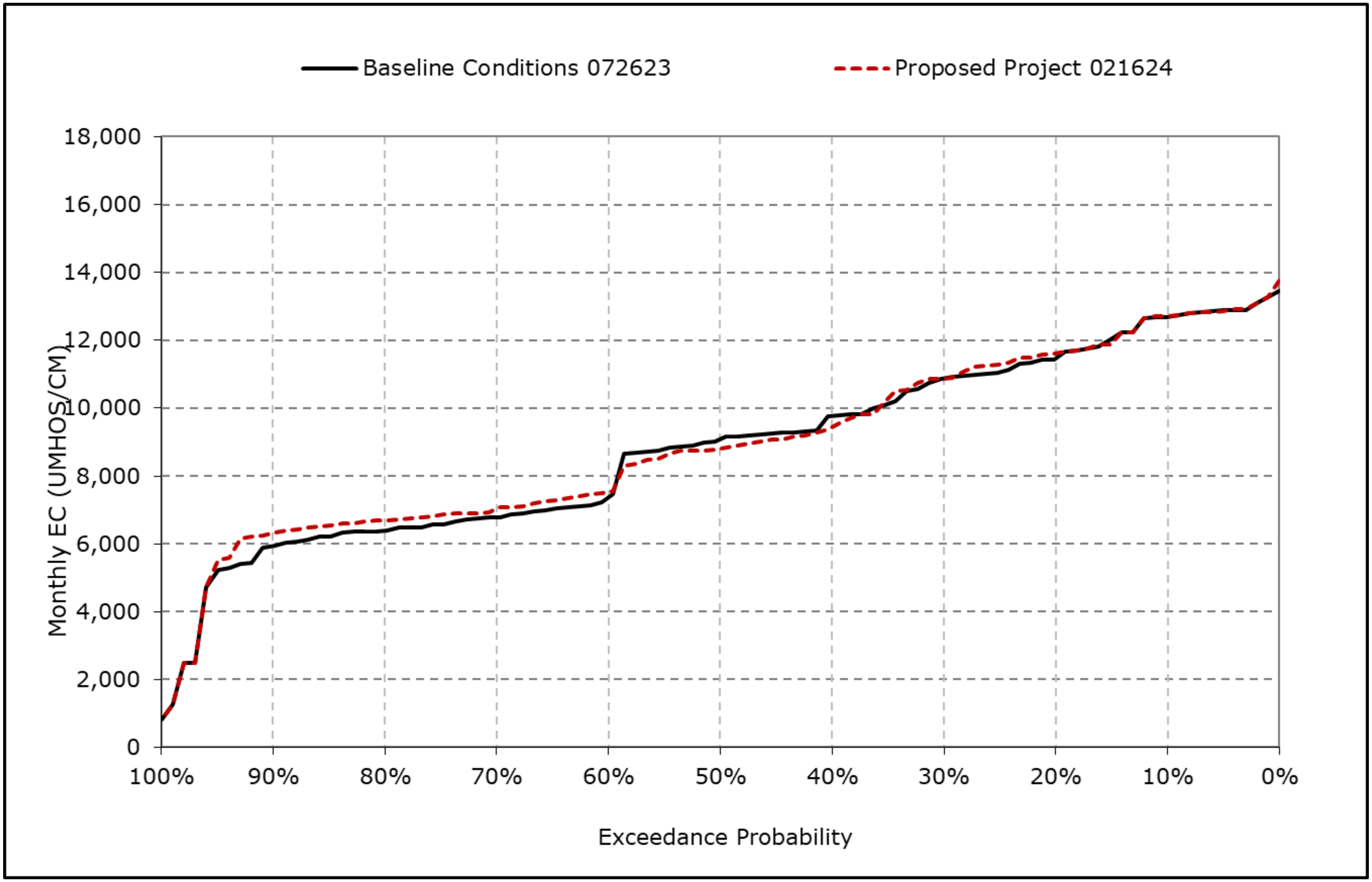
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-7p. Sacramento River at Mallard Slough Salinity, July EC



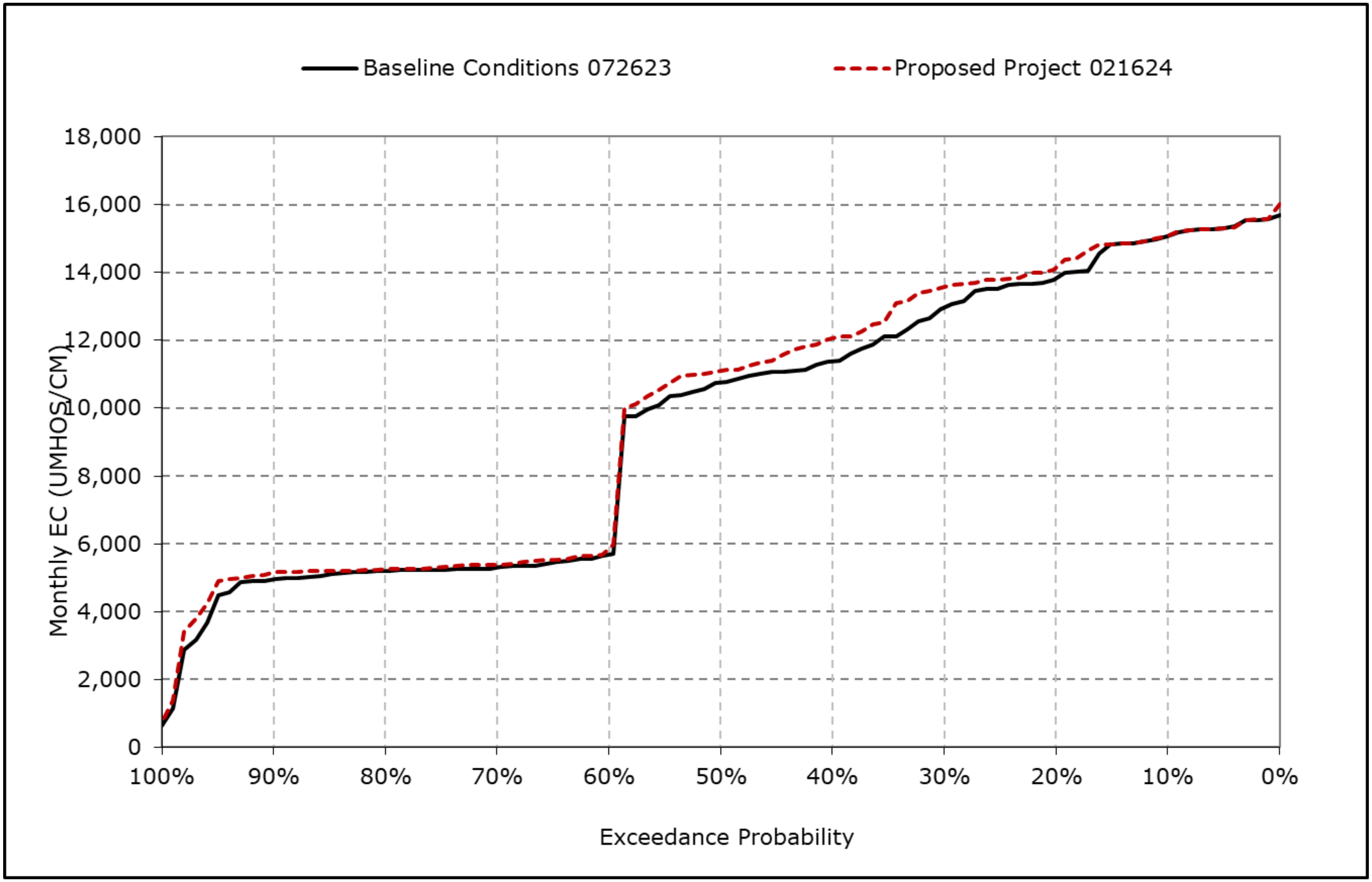
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-7q. Sacramento River at Mallard Slough Salinity, August EC



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

Figure 4B-6-7r. Sacramento River at Mallard Slough Salinity, September EC



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

Table 4B-6-8-1a. Chipps Island North Channel Salinity, Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	17,225	16,725	13,890	10,904	5,646	4,603	5,418	6,753	9,209	12,390	14,011	16,357
20% Exceedance	15,653	15,421	13,363	9,301	3,880	2,852	3,760	5,096	7,071	10,022	12,717	15,047
30% Exceedance	15,318	14,384	11,789	6,758	2,072	1,370	2,744	4,314	6,742	9,203	12,108	14,224
40% Exceedance	14,168	13,760	10,804	4,075	1,429	1,094	1,754	2,813	6,111	8,238	10,872	12,629
50% Exceedance	12,494	10,565	8,737	2,997	911	764	1,158	1,718	4,959	7,536	10,178	12,059
60% Exceedance	6,327	9,330	5,817	1,880	447	444	692	1,327	3,980	6,014	8,402	6,747
70% Exceedance	5,994	8,800	2,889	521	242	254	497	775	2,693	5,511	7,861	6,346
80% Exceedance	5,883	7,637	1,503	258	208	212	283	400	865	4,253	7,422	6,245
90% Exceedance	5,490	4,491	766	202	192	192	203	239	375	3,581	6,886	5,956
Full Simulation Period Average[a]	10,847	10,984	7,757	4,300	2,122	1,630	2,045	2,826	4,862	7,332	9,918	10,713
Wet Water Years (30%)	9,321	8,361	2,981	958	278	292	454	720	1,684	3,894	6,644	5,740
Above Normal Years (11%)	11,089	11,351	7,763	1,753	465	420	555	1,081	3,070	5,179	7,726	6,013
Below Normal Years (21%)	10,034	10,339	9,073	4,557	1,823	1,082	1,399	2,072	4,910	7,530	10,297	12,130
Dry Water Years (22%)	10,805	11,947	9,997	6,959	3,315	2,407	3,050	4,041	6,540	9,581	12,124	14,311
Critical Water Years (16%)	14,667	15,172	11,900	8,322	5,471	4,622	5,517	7,296	9,679	11,907	14,030	16,463

Table 4B-6-8-1b. Chipps Island North Channel Salinity, Proposed Project 021624, Monthly EC (UMHOS/CM)

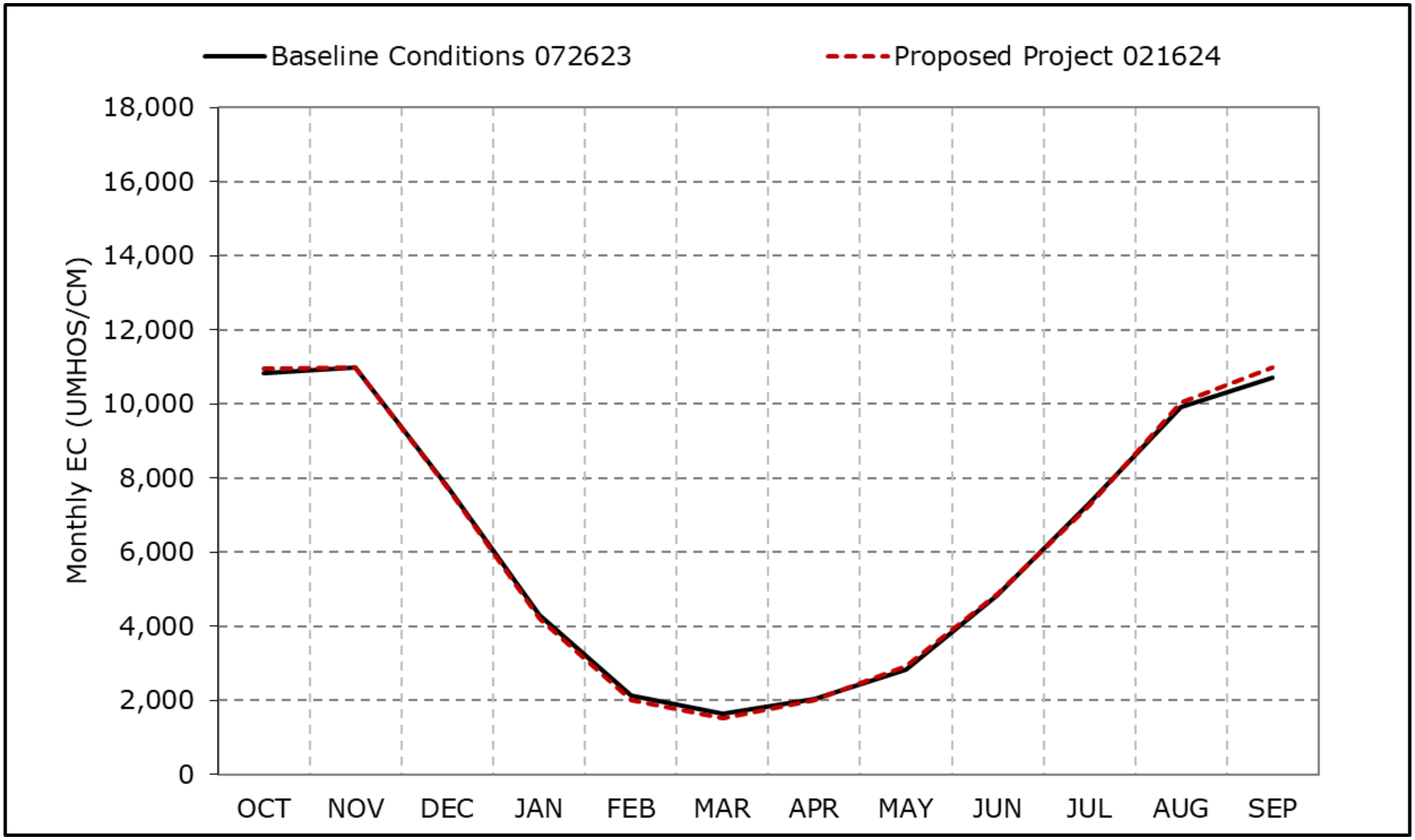
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	17,231	16,736	13,977	10,632	5,431	4,430	5,226	6,959	9,403	12,460	14,034	16,363
20% Exceedance	15,751	15,480	13,390	9,014	3,802	2,620	3,587	5,039	7,015	9,993	12,874	15,349
30% Exceedance	15,316	14,393	11,461	6,353	2,011	1,347	2,659	4,384	6,722	9,169	12,106	14,762
40% Exceedance	14,396	13,735	10,848	3,836	1,375	1,012	1,638	2,959	6,118	7,935	10,664	13,297
50% Exceedance	12,908	10,695	8,662	2,911	904	737	1,184	1,987	4,919	7,336	9,961	12,401
60% Exceedance	6,362	9,376	5,707	1,825	432	449	704	1,560	3,980	6,127	8,615	6,932
70% Exceedance	6,010	8,658	2,864	512	242	255	541	873	2,641	5,351	8,075	6,440
80% Exceedance	5,886	7,438	1,508	258	208	213	285	399	827	4,054	7,784	6,285
90% Exceedance	5,626	4,627	763	202	192	192	203	252	378	3,536	7,328	6,166
Full Simulation Period Average[a]	10,955	10,987	7,732	4,198	2,006	1,525	2,018	2,929	4,880	7,251	10,030	10,984
Wet Water Years (30%)	9,531	8,384	3,002	936	278	294	489	836	1,678	3,876	6,925	5,920
Above Normal Years (11%)	11,146	11,261	7,913	1,765	461	402	556	1,199	3,042	5,063	8,022	6,183
Below Normal Years (21%)	10,052	10,395	9,024	4,429	1,784	1,000	1,342	2,257	4,920	7,223	10,100	12,593
Dry Water Years (22%)	10,900	11,929	9,980	6,966	3,147	2,126	2,897	4,011	6,557	9,566	12,274	14,754
Critical Water Years (16%)	14,754	15,162	11,688	7,876	5,034	4,466	5,570	7,439	9,790	11,937	14,052	16,486

Table 4B-6-8-1c. Chipps Island North Channel Salinity, Proposed Project 021624 minus Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7	11	87	-272	-215	-173	-191	206	194	70	23	6
20% Exceedance	98	59	28	-288	-79	-232	-173	-57	-57	-29	157	303
30% Exceedance	-3	9	-328	-406	-61	-23	-84	71	-19	-34	-1	538
40% Exceedance	228	-25	44	-239	-54	-82	-116	145	7	-302	-208	668
50% Exceedance	414	130	-75	-86	-7	-27	26	268	-39	-200	-217	341
60% Exceedance	35	46	-110	-55	-14	5	12	233	0	113	213	185
70% Exceedance	17	-143	-24	-9	0	1	44	98	-52	-160	215	95
80% Exceedance	3	-200	5	0	0	1	1	-2	-38	-199	362	40
90% Exceedance	135	136	-3	0	1	0	0	13	3	-45	441	210
Full Simulation Period Average[a]	108	3	-25	-102	-116	-106	-26	103	19	-81	112	271
Wet Water Years (30%)	210	22	21	-21	-1	2	36	116	-6	-19	281	180
Above Normal Years (11%)	58	-90	150	12	-4	-18	1	118	-28	-116	295	170
Below Normal Years (21%)	18	56	-49	-128	-39	-83	-58	185	10	-307	-197	462
Dry Water Years (22%)	95	-18	-17	7	-169	-281	-153	-30	17	-15	150	443
Critical Water Years (16%)	87	-10	-212	-446	-437	-156	54	142	111	31	23	23

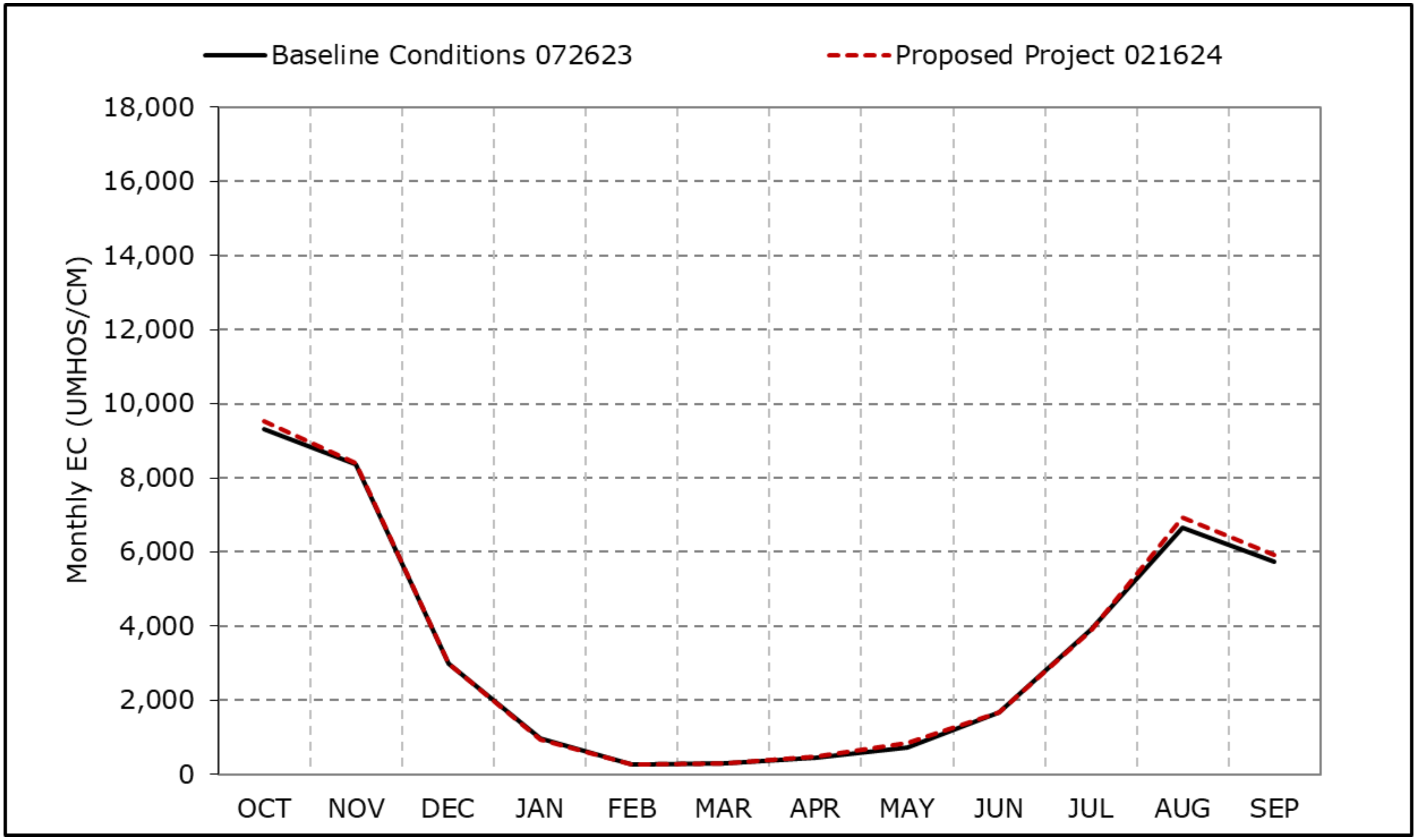
[a] Based on the 100-year simulation period.
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-6-8a. Chipps Island North Channel Salinity, Long-Term Average EC



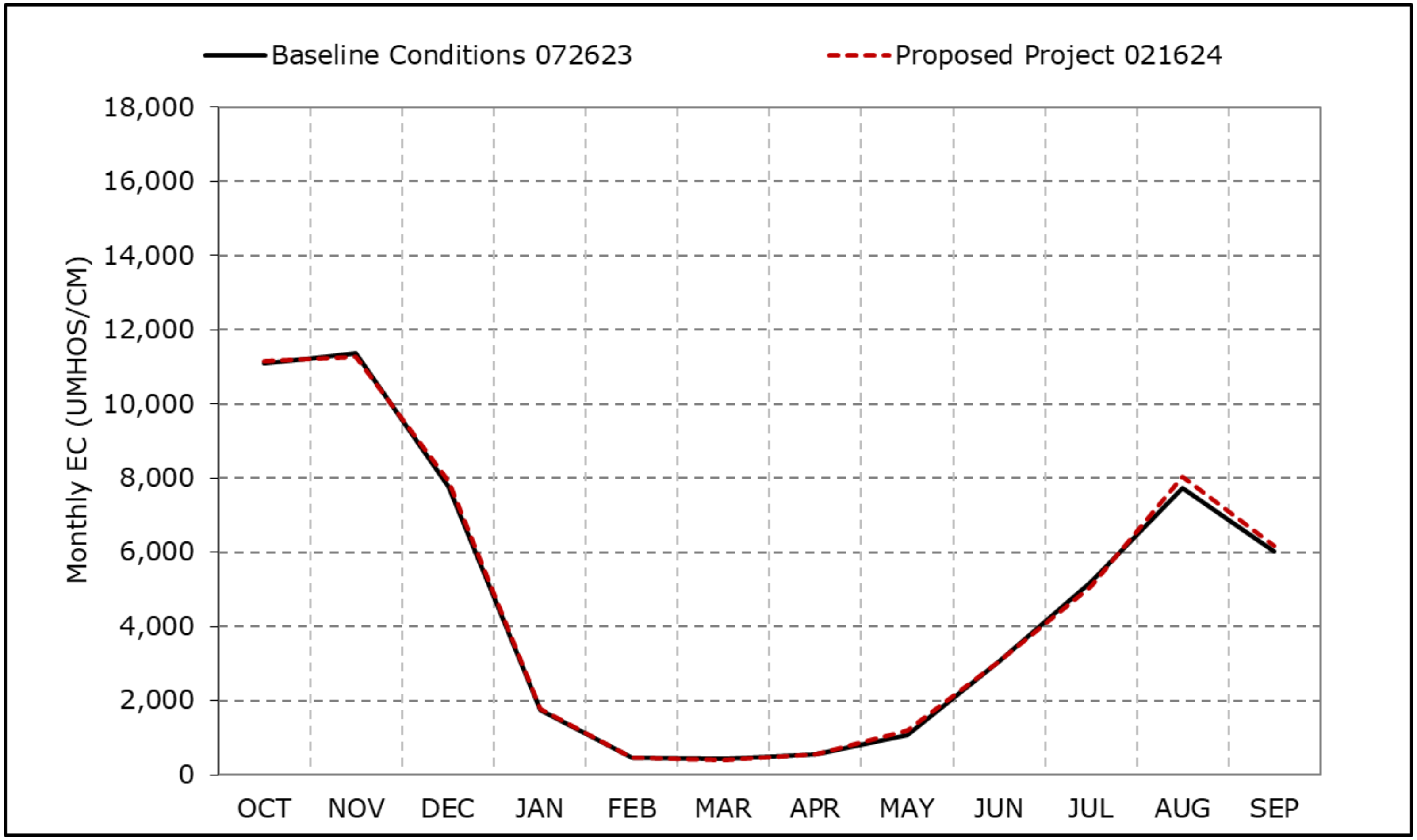
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-8b. Chipps Island North Channel Salinity, Wet Year Average EC



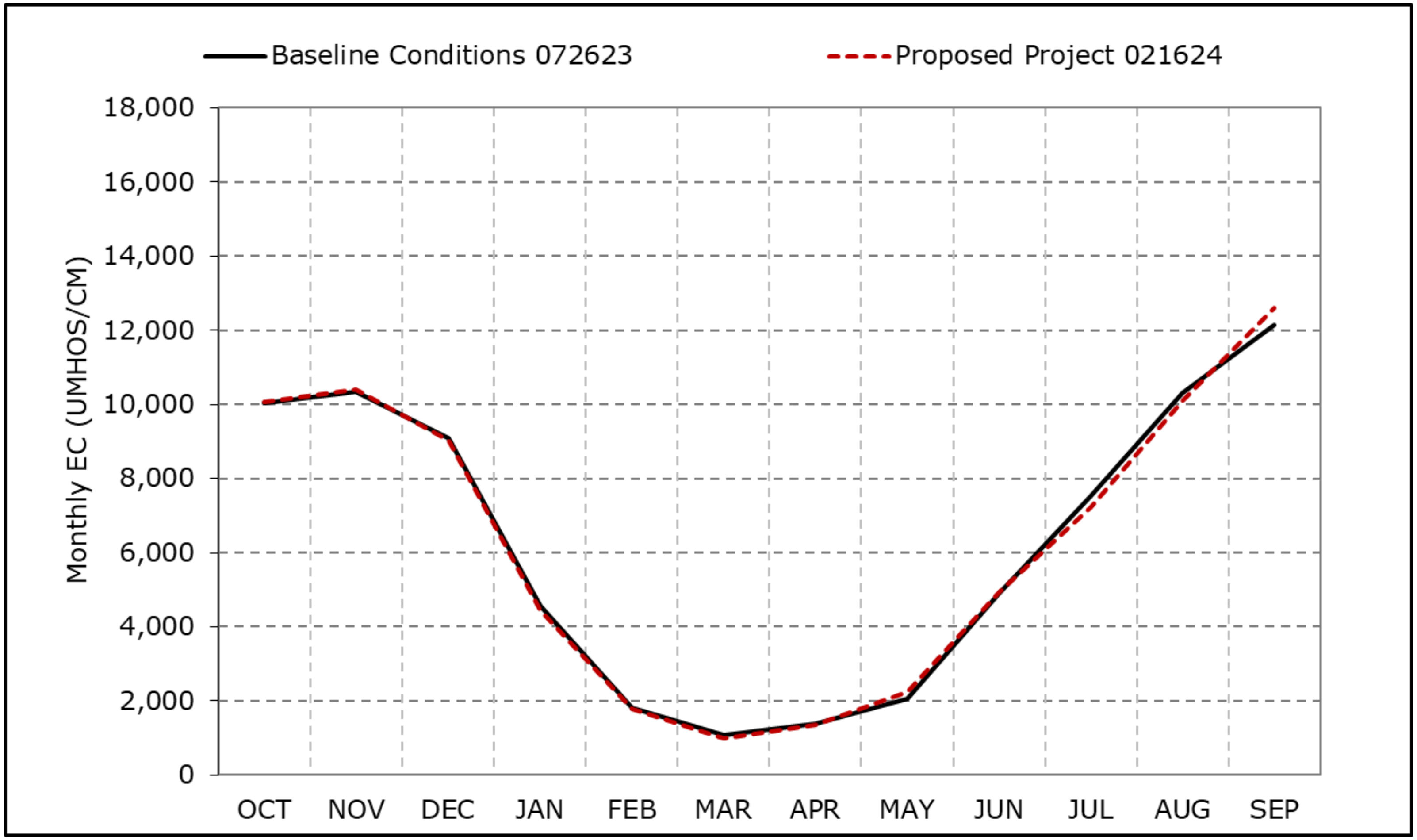
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-8c. Chipps Island North Channel Salinity, Above Normal Year Average EC



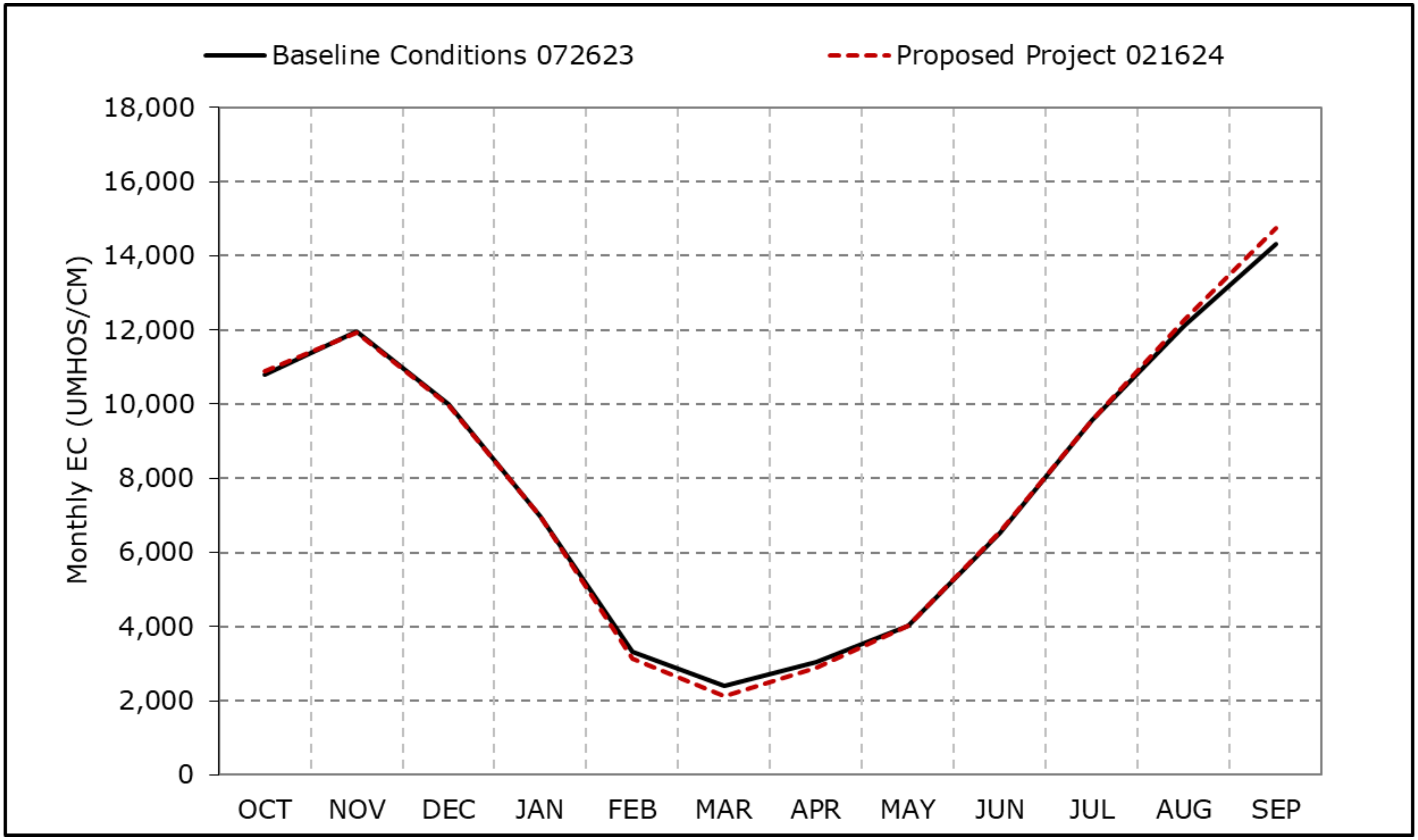
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-8d. Chipps Island North Channel Salinity, Below Normal Year Average EC



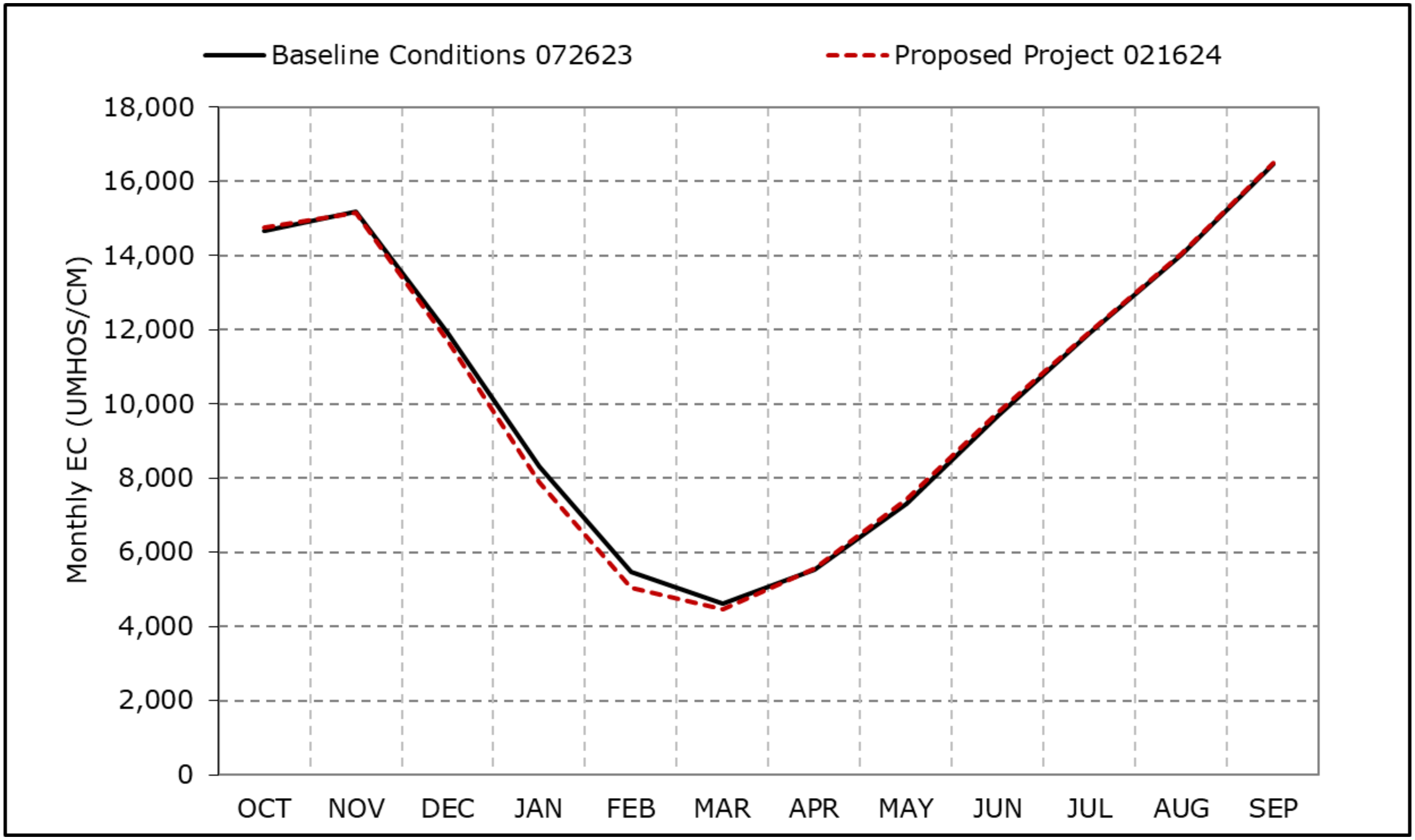
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-8e. Chipps Island North Channel Salinity, Dry Year Average EC



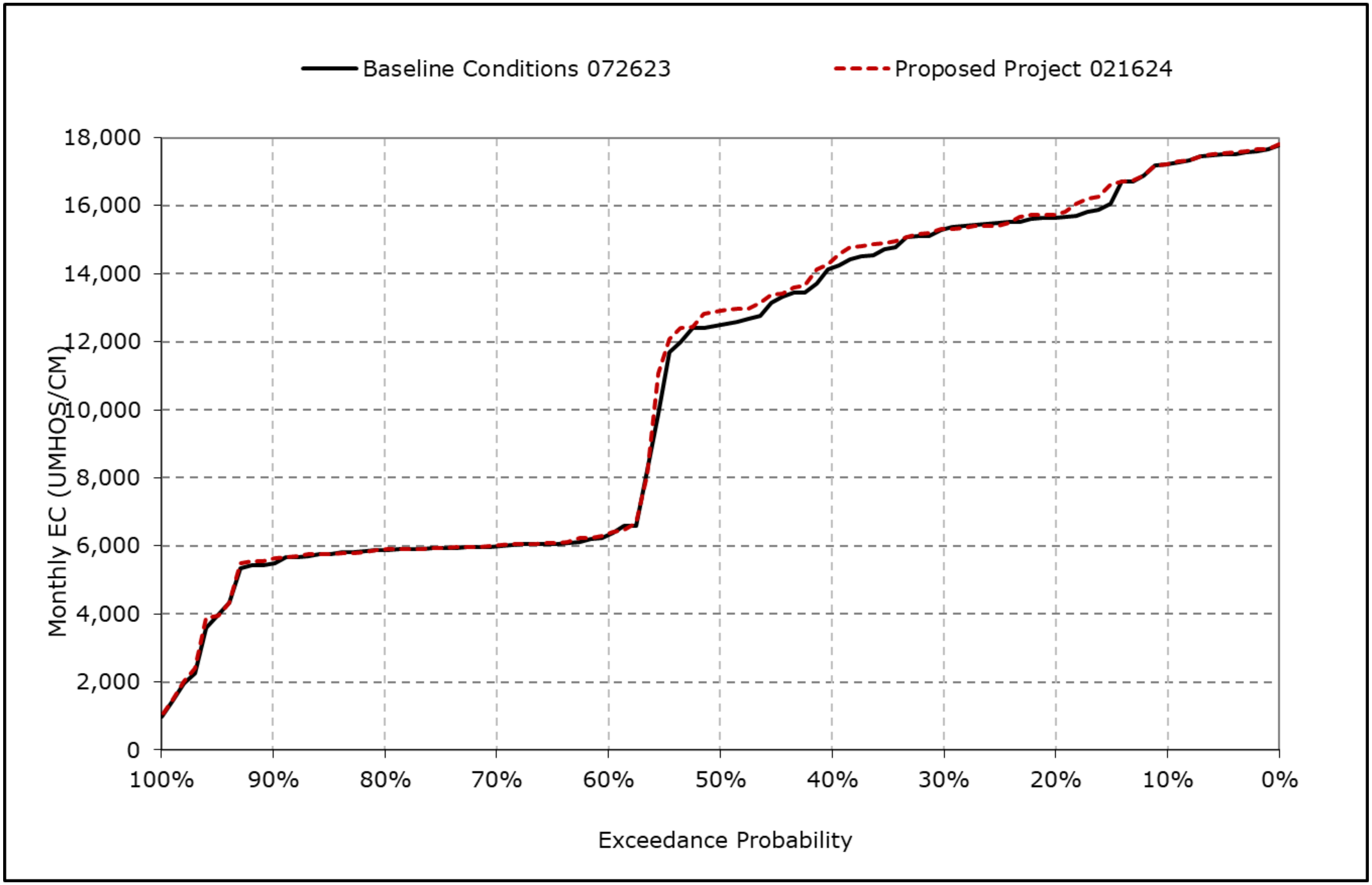
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-8f. Chipps Island North Channel Salinity, Critical Year Average EC



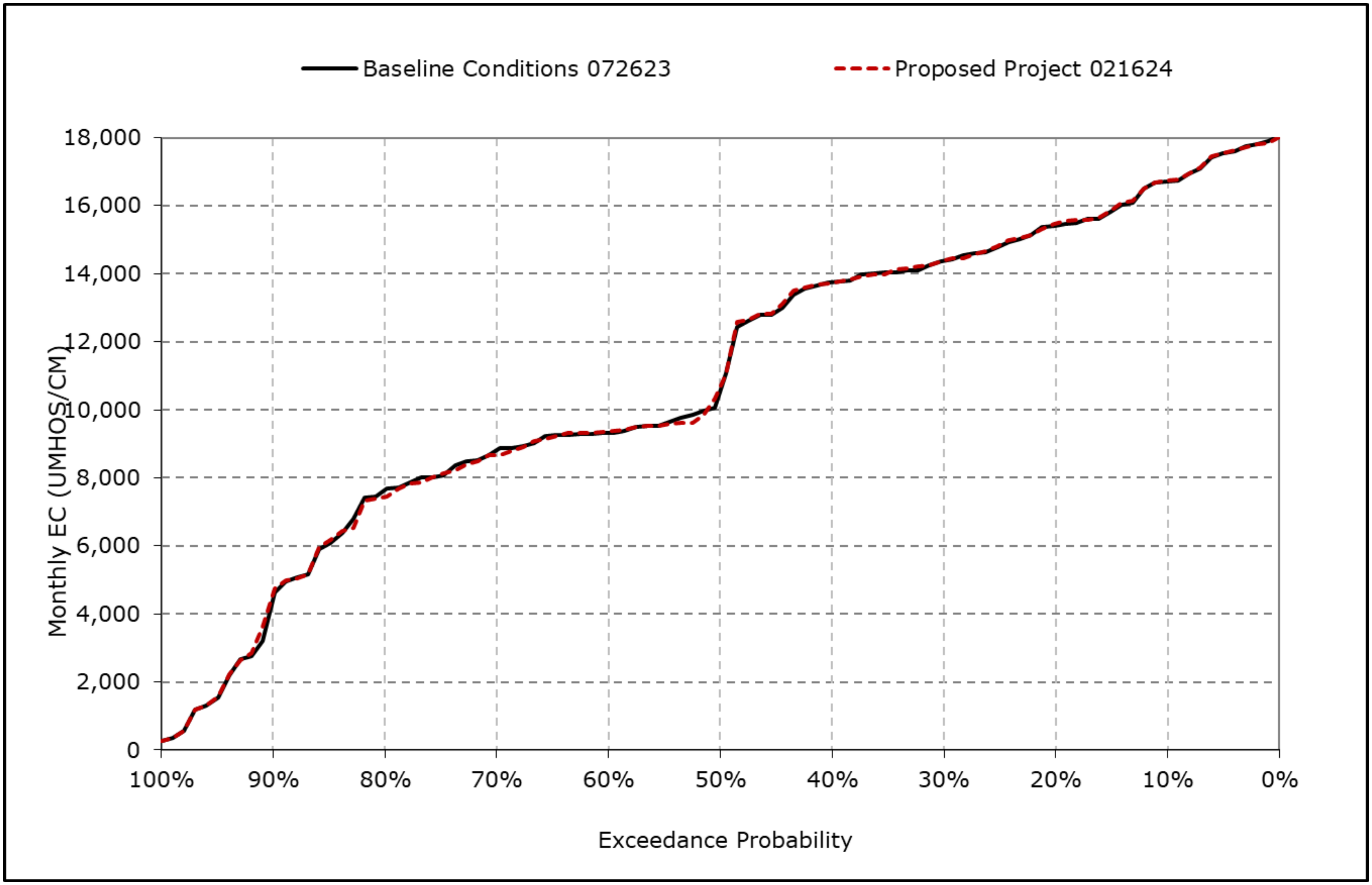
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-8g. Chipps Island North Channel Salinity, October EC



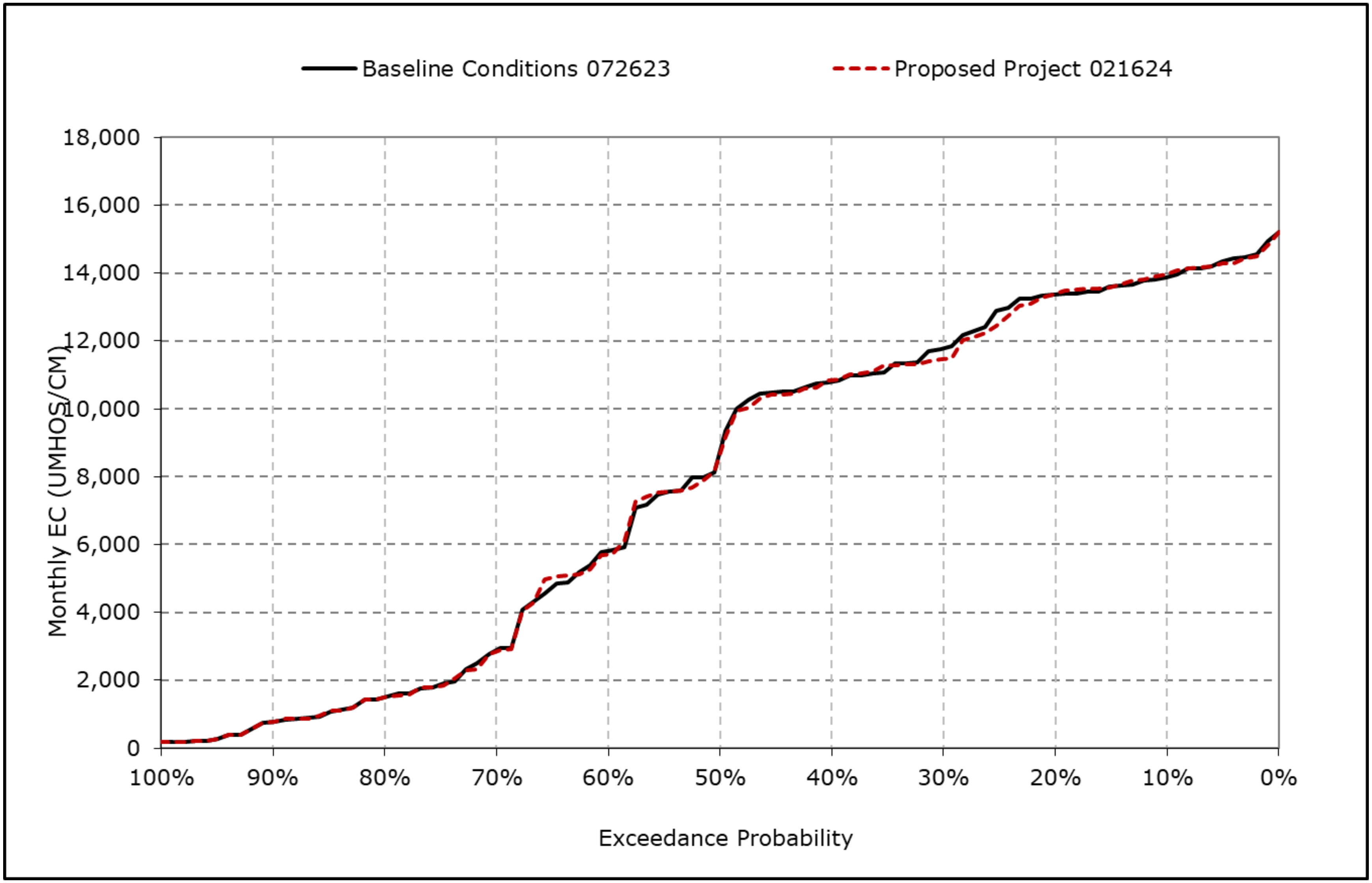
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-8h. Chipps Island North Channel Salinity, November EC



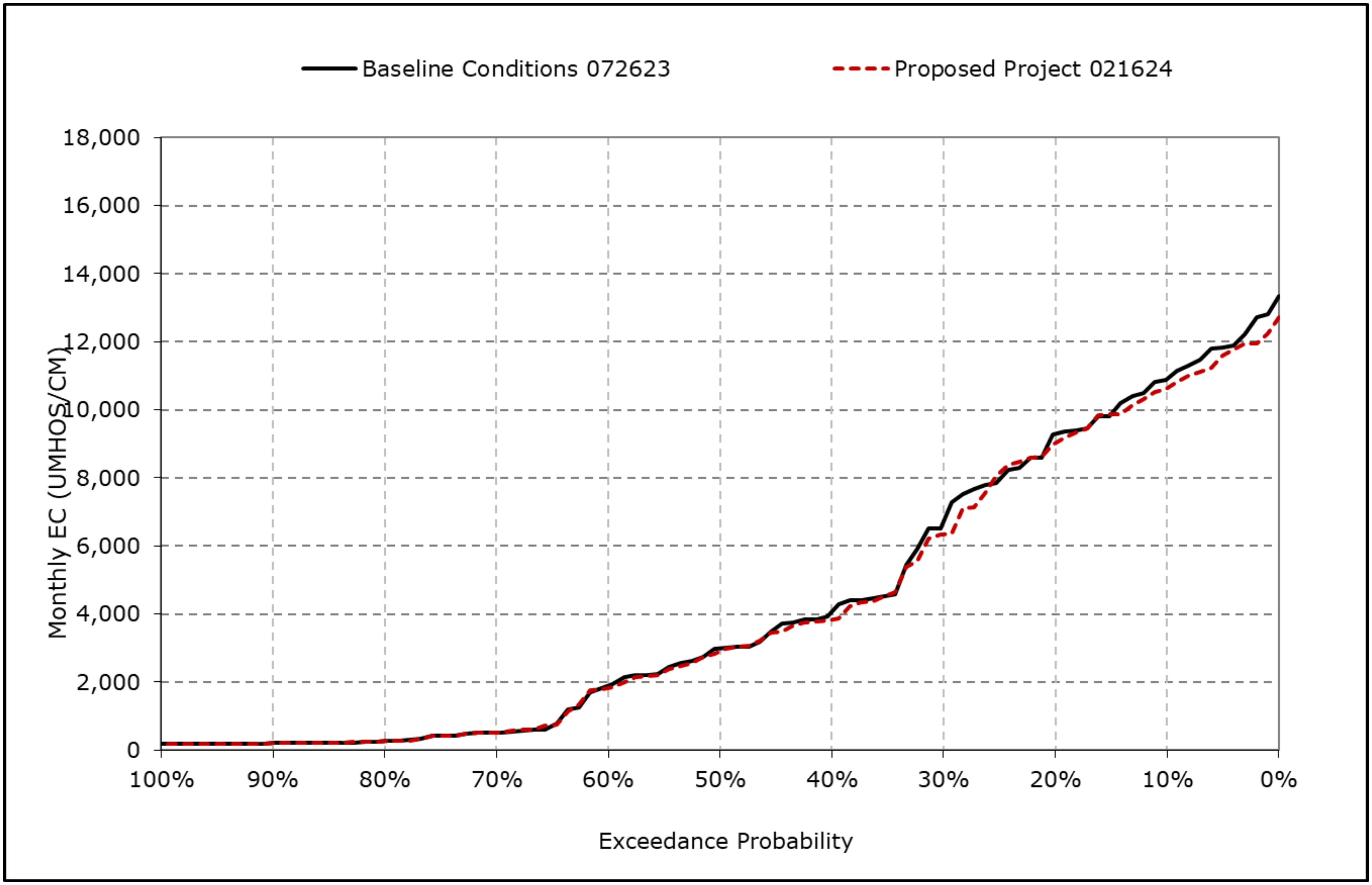
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-8i. Chipps Island North Channel Salinity, December EC



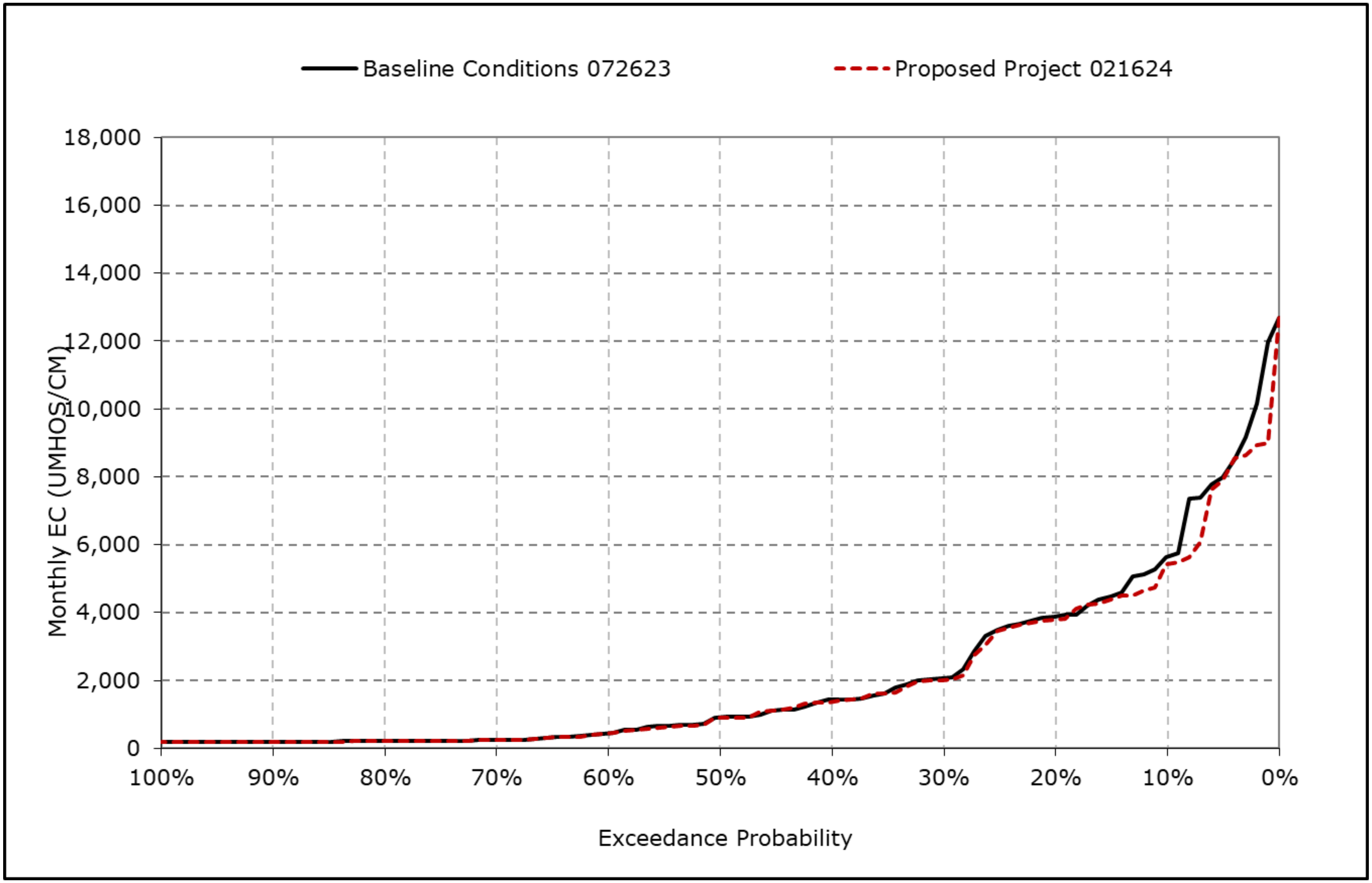
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-8j. Chipps Island North Channel Salinity, January EC



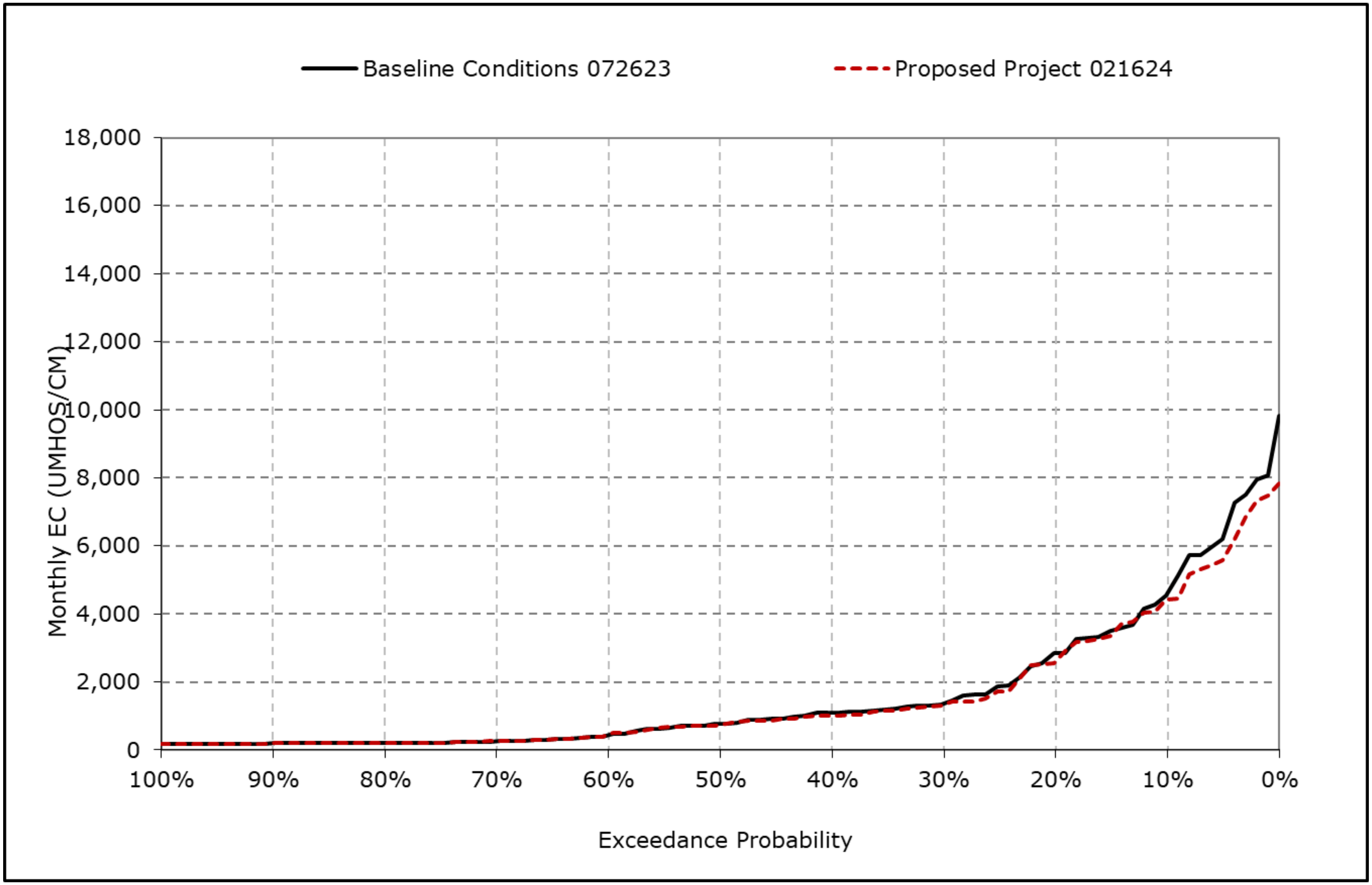
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-8k. Chipps Island North Channel Salinity, February EC



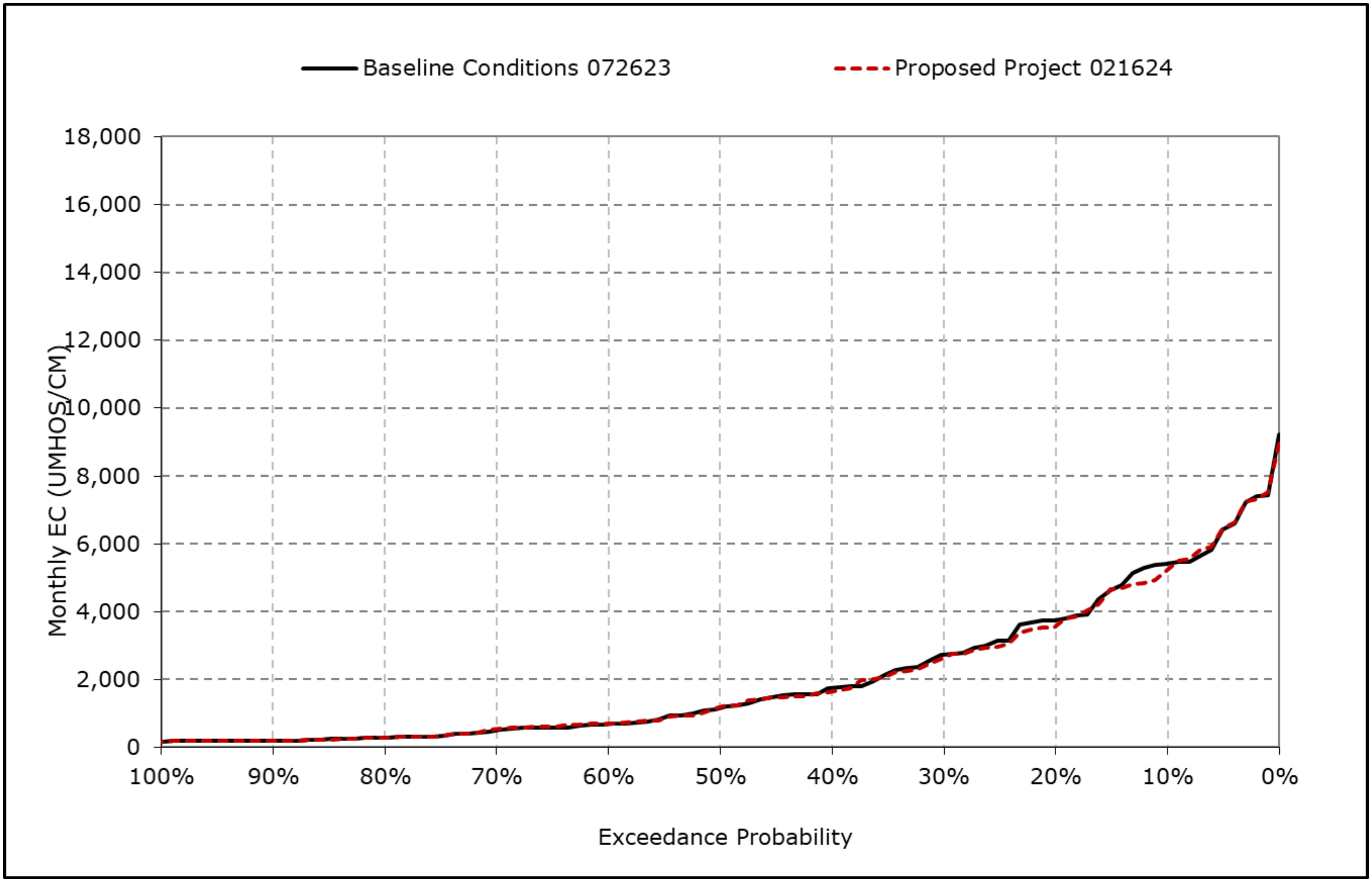
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-8l. Chipps Island North Channel Salinity, March EC



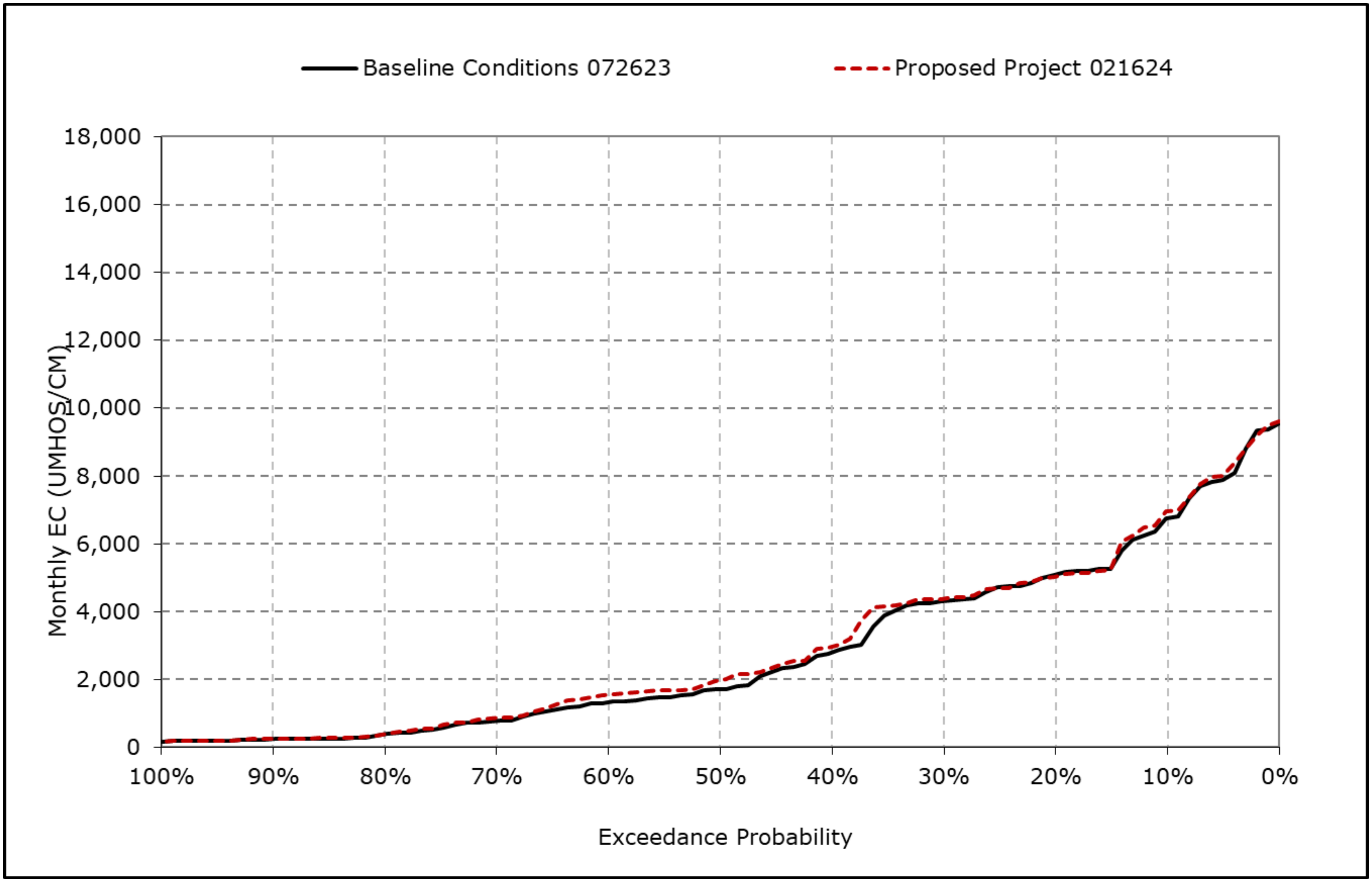
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-8m. Chipps Island North Channel Salinity, April EC



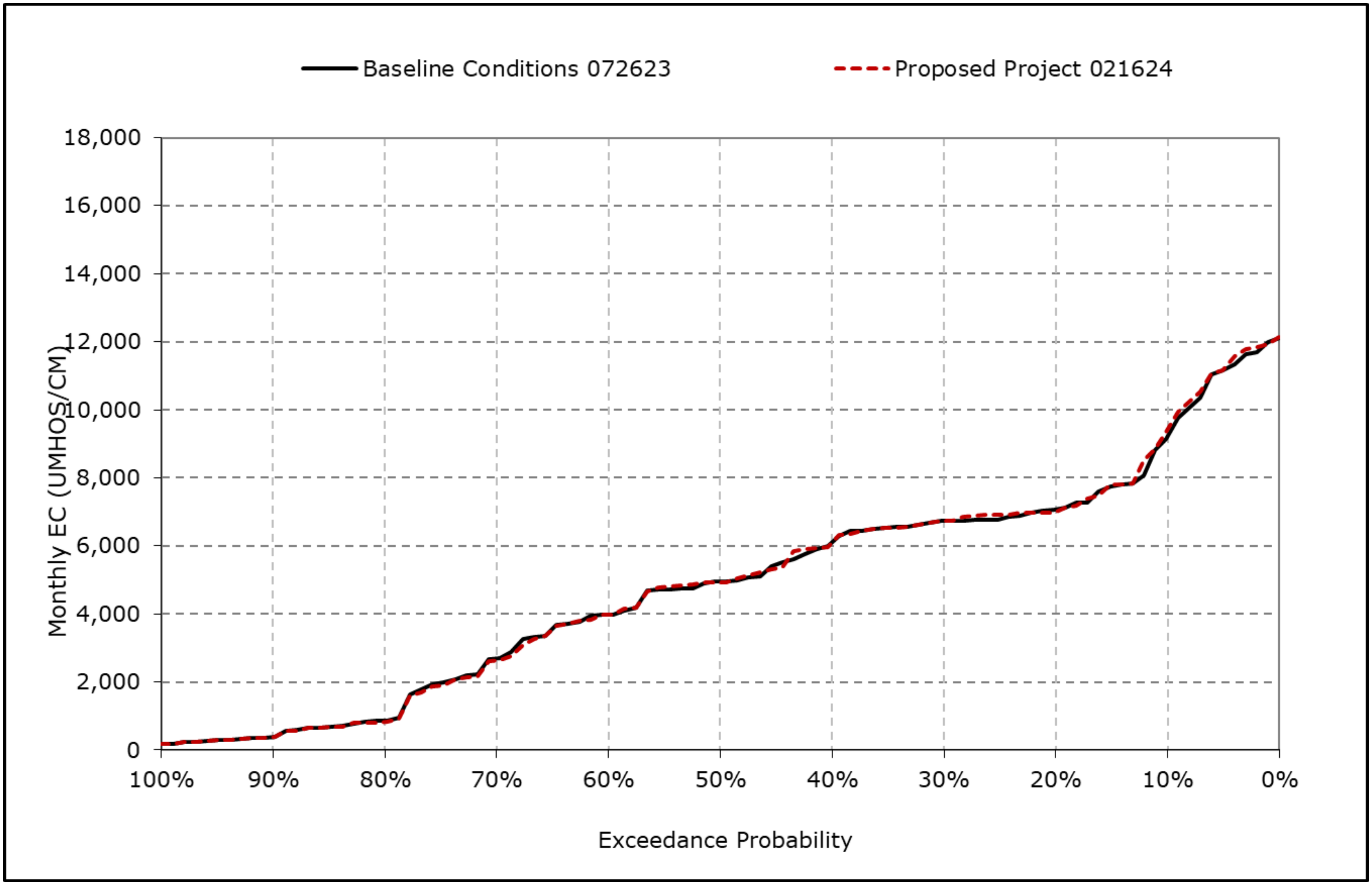
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-8n. Chipps Island North Channel Salinity, May EC



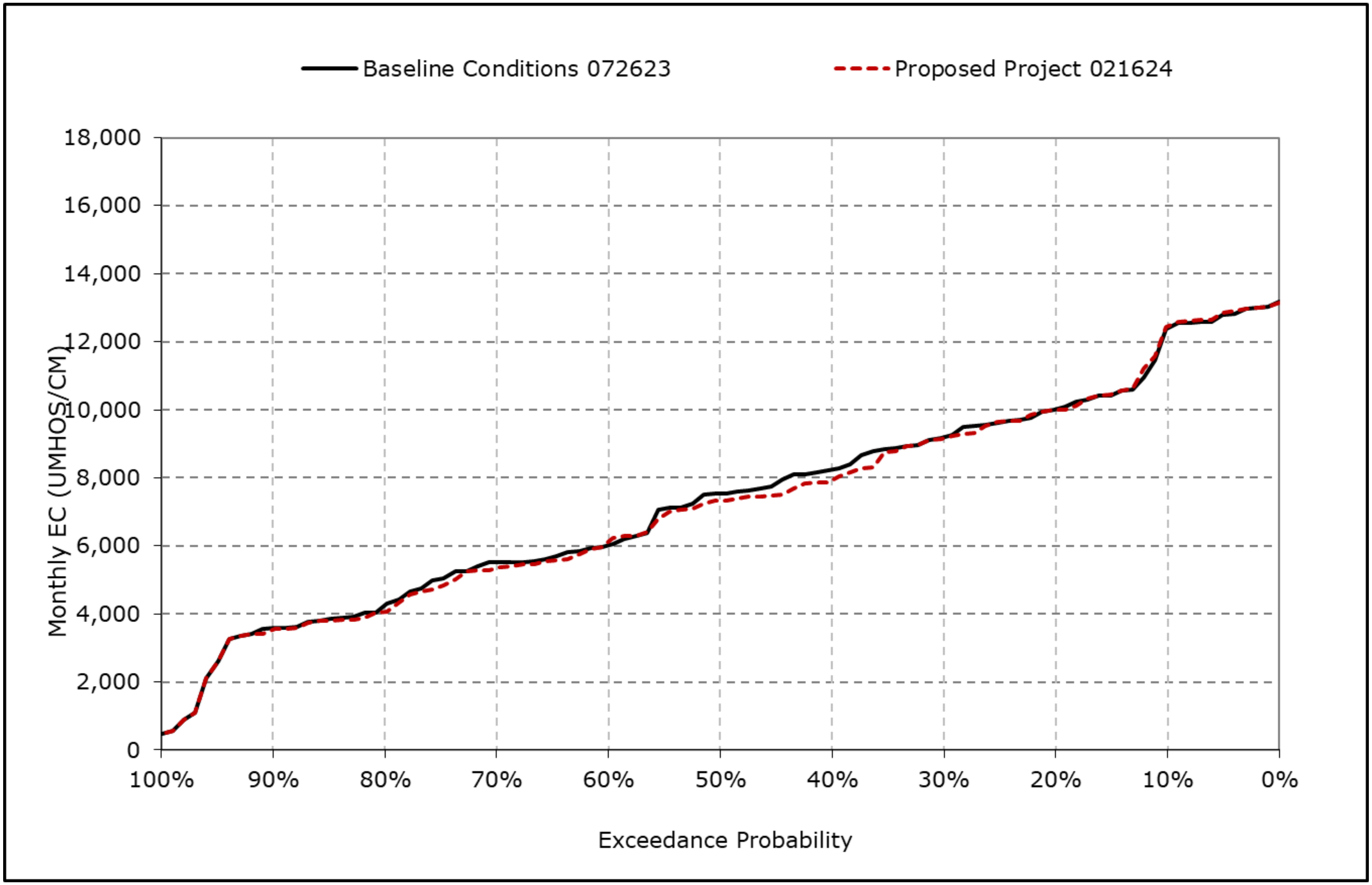
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-8o. Chipps Island North Channel Salinity, June EC



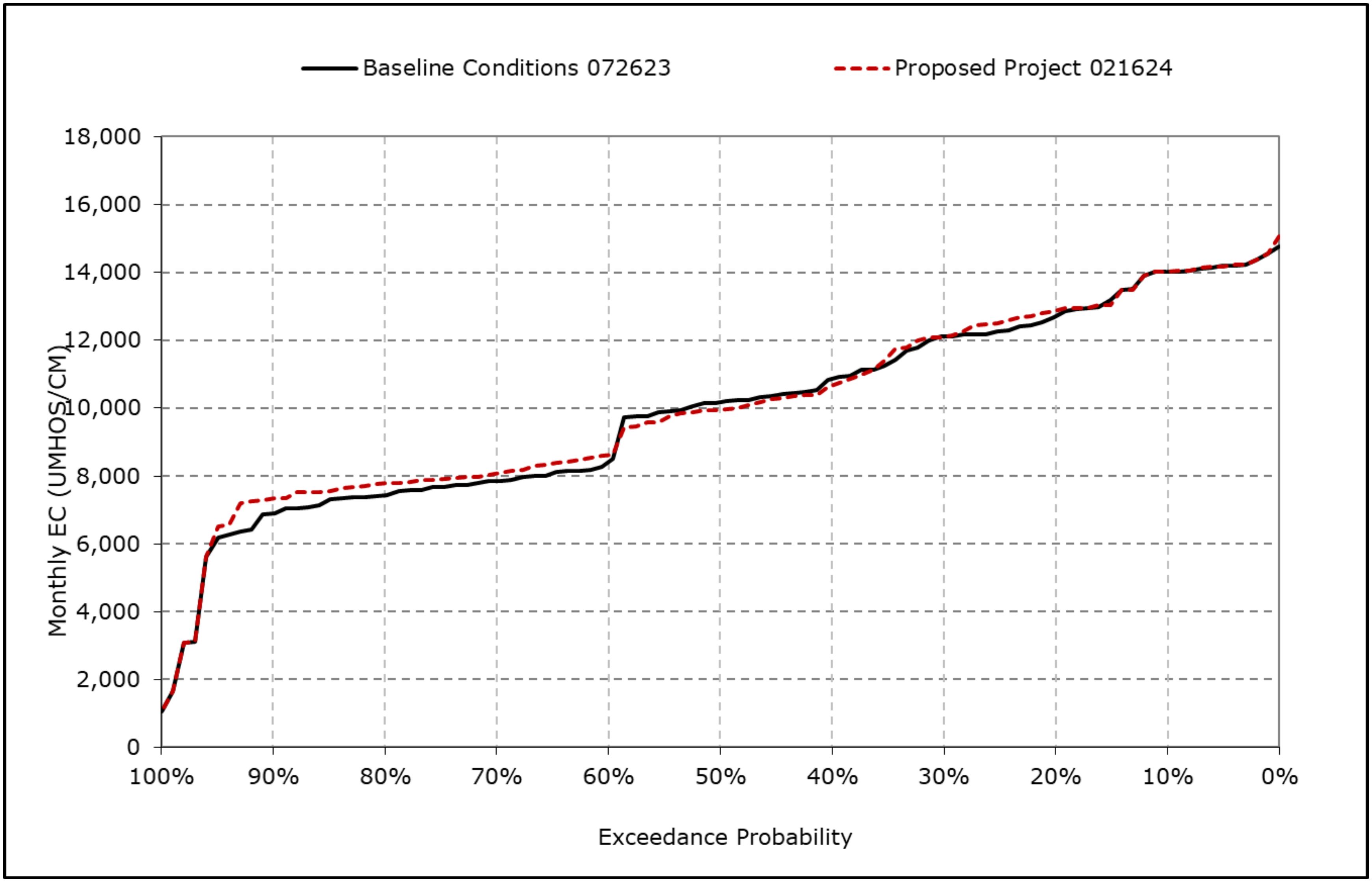
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-8p. Chipps Island North Channel Salinity, July EC



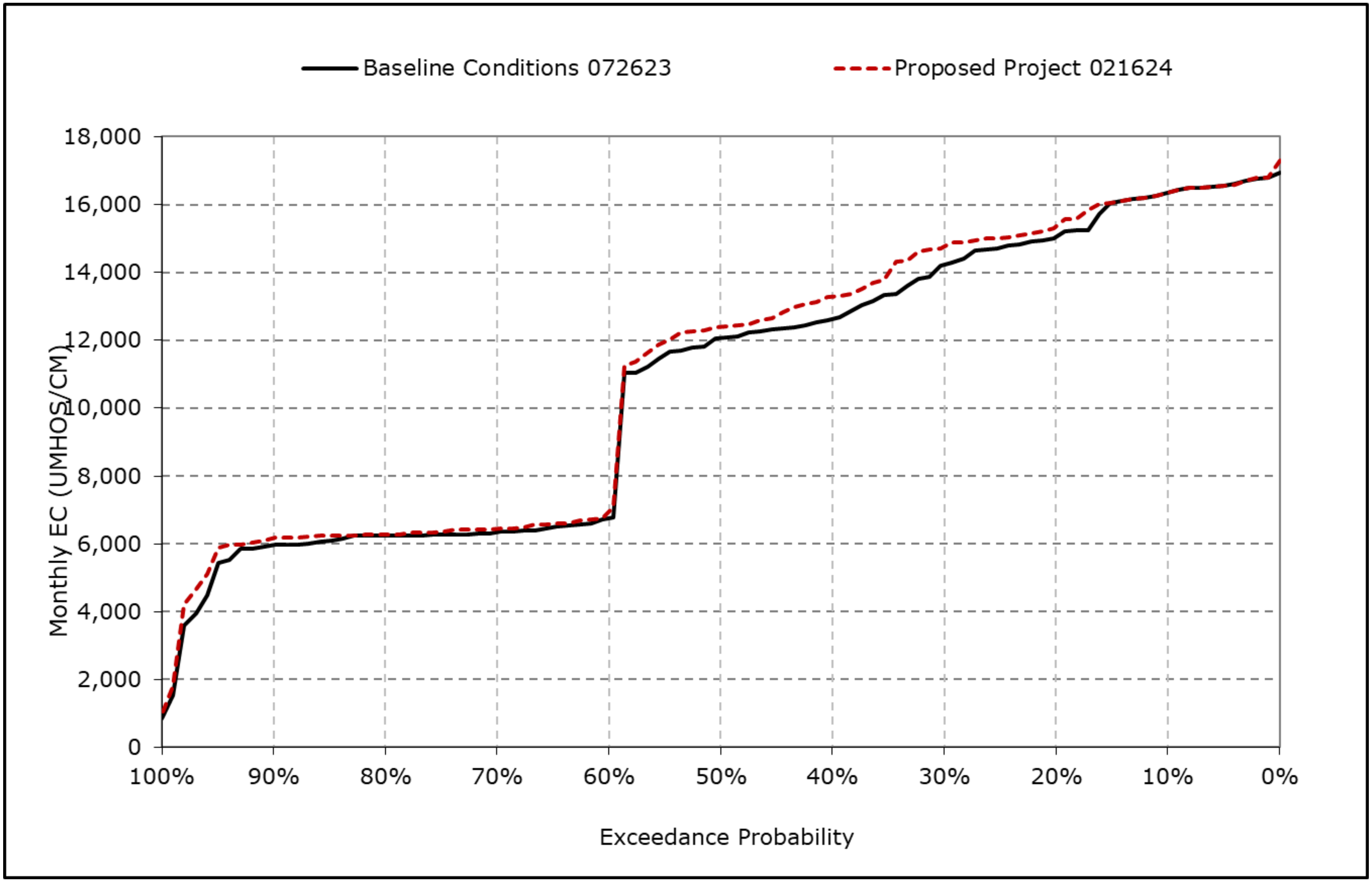
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-8q. Chipps Island North Channel Salinity, August EC



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

Figure 4B-6-8r. Chipps Island North Channel Salinity, September EC



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

Table 4B-6-9-1a. Chipps Island South Channel Salinity, Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,984	15,598	12,749	9,792	4,629	3,691	4,397	5,583	7,825	10,992	12,568	15,025
20% Exceedance	14,430	14,240	12,291	8,346	3,141	2,150	2,854	4,016	5,797	8,715	11,307	13,742
30% Exceedance	14,088	13,213	10,653	5,851	1,756	948	1,988	3,362	5,484	7,773	10,699	12,925
40% Exceedance	12,894	12,514	9,544	3,447	1,013	756	1,193	2,053	4,944	7,053	9,548	11,342
50% Exceedance	11,022	9,302	7,801	2,414	638	593	777	1,170	3,845	6,342	8,899	10,695
60% Exceedance	5,168	7,970	4,727	1,549	380	315	460	892	3,030	4,929	7,269	5,627
70% Exceedance	4,832	7,459	2,461	450	216	216	340	490	1,914	4,394	6,582	5,238
80% Exceedance	4,700	6,332	1,380	224	202	199	227	270	549	3,316	6,236	5,150
90% Exceedance	4,409	3,491	878	194	190	190	192	195	250	2,664	5,740	4,926
Full Simulation Period Average[a]	9,656	9,865	6,946	3,774	1,798	1,296	1,590	2,222	3,950	6,181	8,640	9,518
Wet Water Years (30%)	8,194	7,387	2,643	823	257	242	340	525	1,241	3,000	5,454	4,710
Above Normal Years (11%)	9,916	10,188	6,846	1,512	362	321	383	730	2,318	4,190	6,576	5,001
Below Normal Years (21%)	8,832	9,183	8,088	3,988	1,470	797	1,006	1,517	3,892	6,369	9,030	10,767
Dry Water Years (22%)	9,566	10,722	8,941	6,097	2,800	1,889	2,336	3,142	5,335	8,220	10,780	13,019
Critical Water Years (16%)	13,424	14,004	10,839	7,389	4,729	3,782	4,507	6,093	8,325	10,466	12,579	15,184

Table 4B-6-9-1b. Chipps Island South Channel Salinity, Proposed Project 021624, Monthly EC (UMHOS/CM)

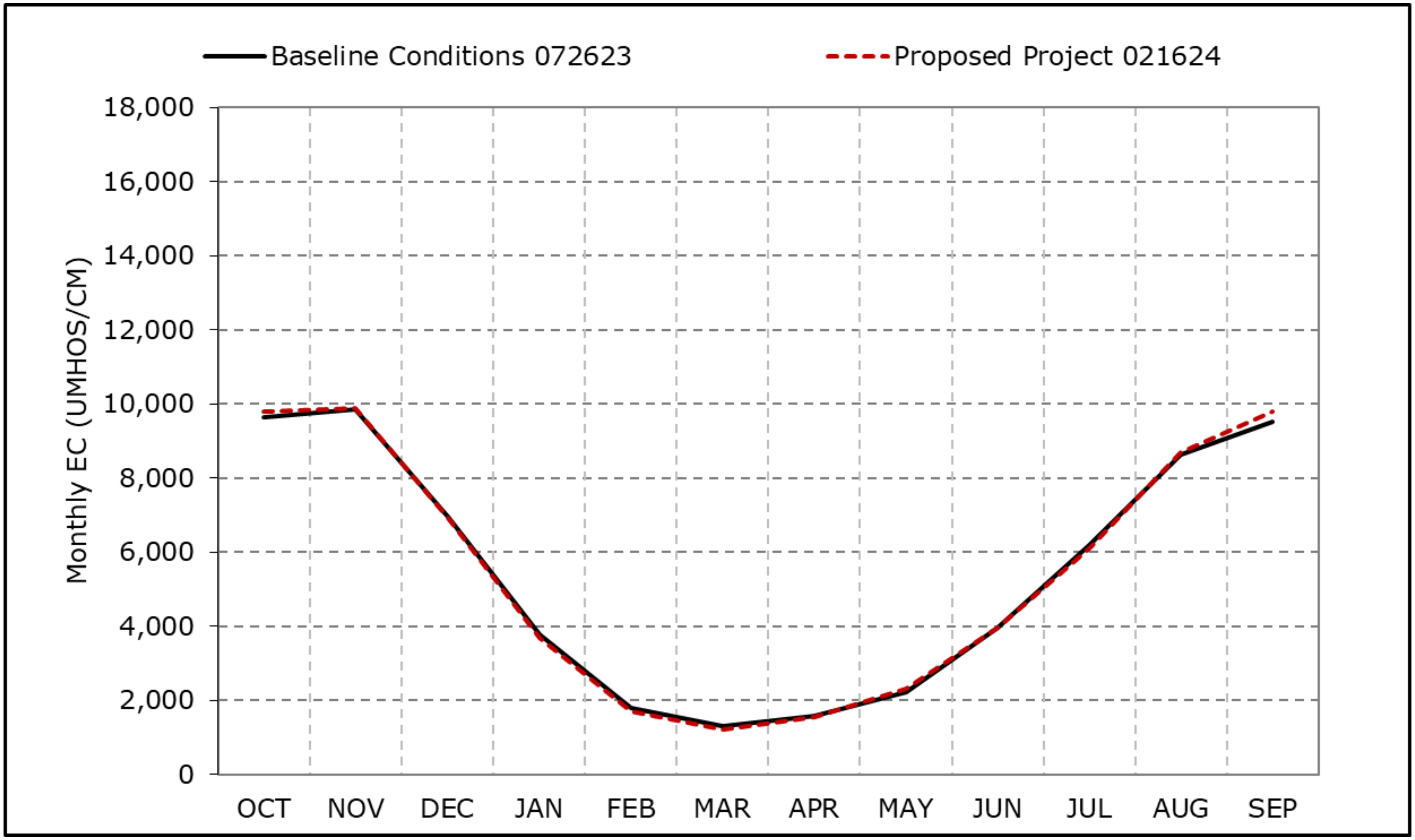
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,988	15,606	12,823	9,548	4,363	3,546	4,304	5,739	8,017	11,064	12,589	15,032
20% Exceedance	14,603	14,309	12,389	8,078	3,026	2,072	2,755	4,025	5,800	8,661	11,509	14,098
30% Exceedance	14,058	13,289	10,365	5,461	1,793	916	1,923	3,405	5,492	7,765	10,687	13,525
40% Exceedance	13,201	12,534	9,505	3,335	1,060	734	1,122	2,172	4,941	6,723	9,311	11,939
50% Exceedance	11,561	9,462	7,564	2,419	616	552	832	1,366	3,891	6,128	8,644	11,084
60% Exceedance	5,218	7,992	4,686	1,537	369	325	485	1,041	3,003	4,937	7,388	5,813
70% Exceedance	4,860	7,362	2,425	453	215	216	361	557	1,874	4,253	6,773	5,365
80% Exceedance	4,714	6,178	1,350	224	201	199	226	268	523	3,087	6,455	5,219
90% Exceedance	4,517	3,614	877	194	190	190	192	201	252	2,632	6,098	5,104
Full Simulation Period Average[a]	9,790	9,875	6,920	3,677	1,688	1,200	1,564	2,302	3,973	6,087	8,706	9,800
Wet Water Years (30%)	8,438	7,417	2,661	805	256	243	365	614	1,240	2,982	5,713	4,875
Above Normal Years (11%)	10,004	10,110	6,989	1,529	359	310	382	816	2,298	4,044	6,778	5,198
Below Normal Years (21%)	8,863	9,240	8,043	3,866	1,431	733	955	1,658	3,907	6,031	8,746	11,260
Dry Water Years (22%)	9,689	10,715	8,925	6,102	2,648	1,633	2,197	3,112	5,355	8,188	10,879	13,492
Critical Water Years (16%)	13,535	13,998	10,629	6,954	4,304	3,626	4,554	6,221	8,434	10,497	12,601	15,208

Table 4B-6-9-1c. Chipps Island South Channel Salinity, Proposed Project 021624 minus Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4	8	74	-243	-267	-145	-93	156	193	72	21	7
20% Exceedance	173	69	98	-268	-115	-78	-99	9	3	-54	202	356
30% Exceedance	-29	76	-287	-390	37	-32	-65	43	8	-8	-11	600
40% Exceedance	308	19	-39	-113	47	-22	-71	119	-3	-330	-237	597
50% Exceedance	539	160	-237	5	-22	-40	55	196	46	-214	-254	389
60% Exceedance	50	22	-41	-11	-11	10	25	149	-27	9	119	186
70% Exceedance	29	-98	-36	3	0	1	21	66	-40	-141	192	126
80% Exceedance	14	-154	-31	0	-1	0	-1	-2	-26	-229	219	68
90% Exceedance	107	123	-1	0	0	0	0	6	2	-32	358	178
Full Simulation Period Average[a]	134	10	-25	-98	-110	-96	-26	80	23	-95	66	282
Wet Water Years (30%)	244	30	18	-19	-1	1	26	89	-1	-18	259	164
Above Normal Years (11%)	88	-78	143	17	-3	-11	-2	86	-20	-146	202	197
Below Normal Years (21%)	31	56	-45	-121	-40	-64	-50	141	15	-338	-284	493
Dry Water Years (22%)	123	-7	-16	5	-152	-256	-139	-30	20	-32	100	473
Critical Water Years (16%)	111	-6	-210	-435	-425	-155	47	129	108	31	22	24

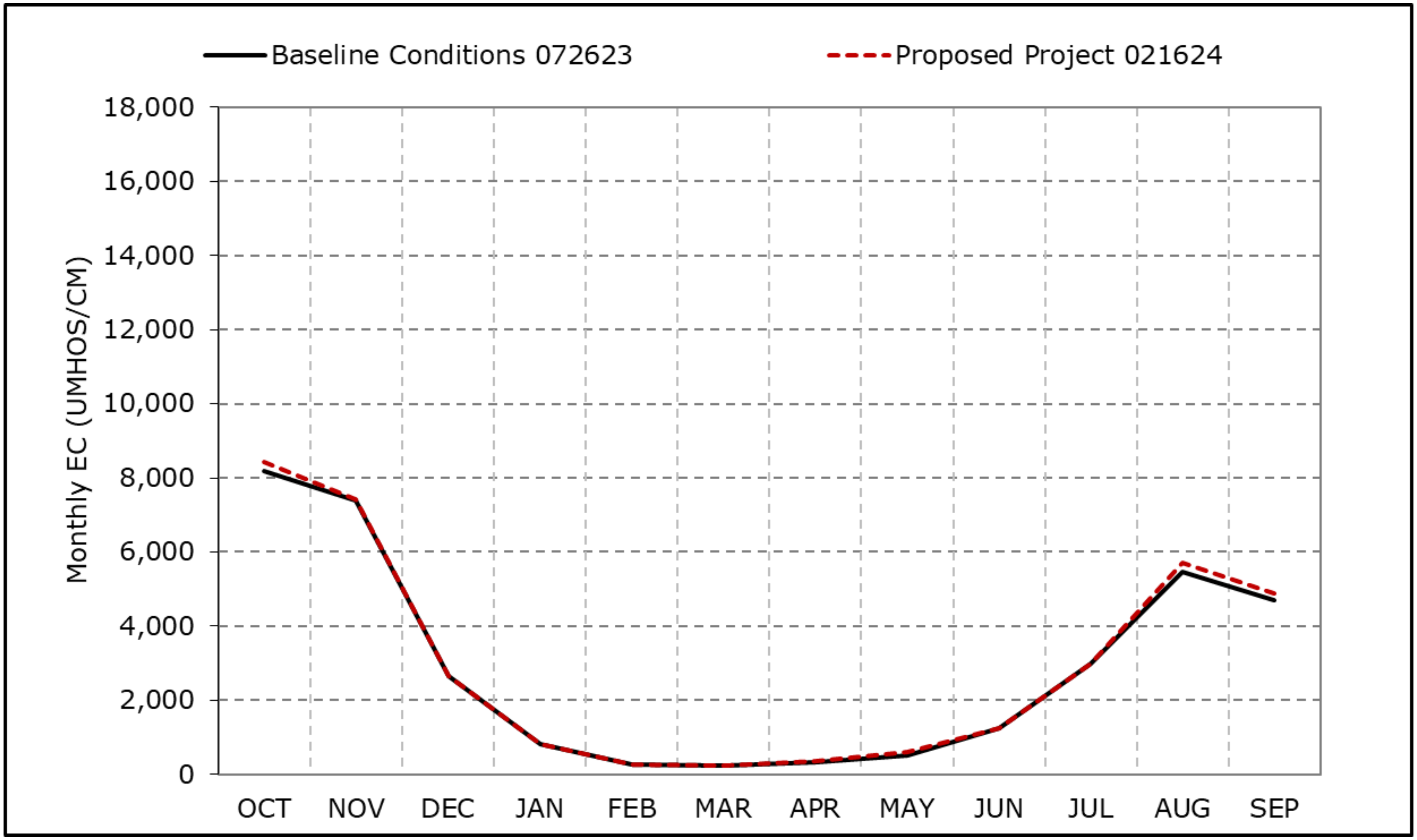
[a] Based on the 100-year simulation period.
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-6-9a. Chipps Island South Channel Salinity, Long-Term Average EC



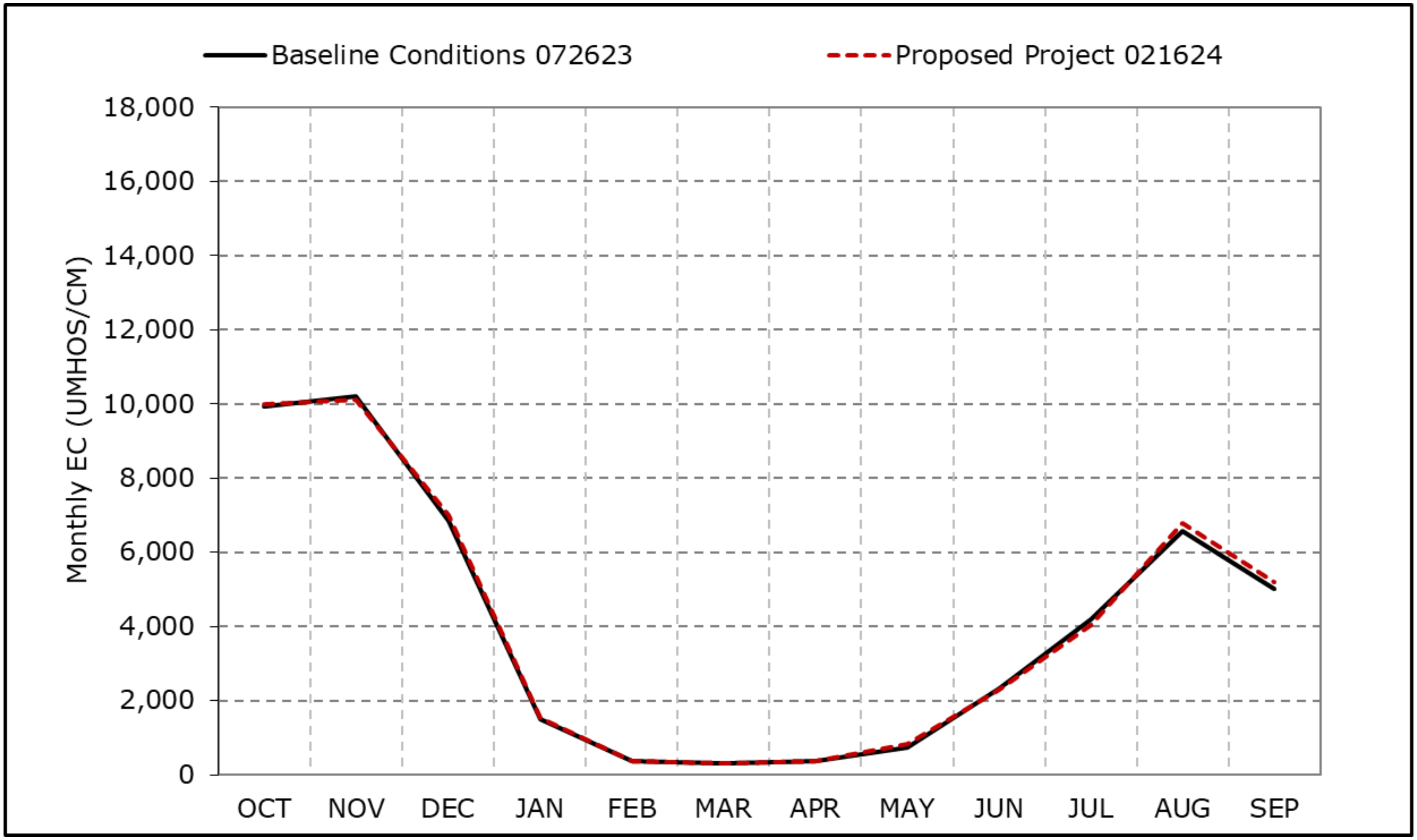
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-9b. Chipps Island South Channel Salinity, Wet Year Average EC



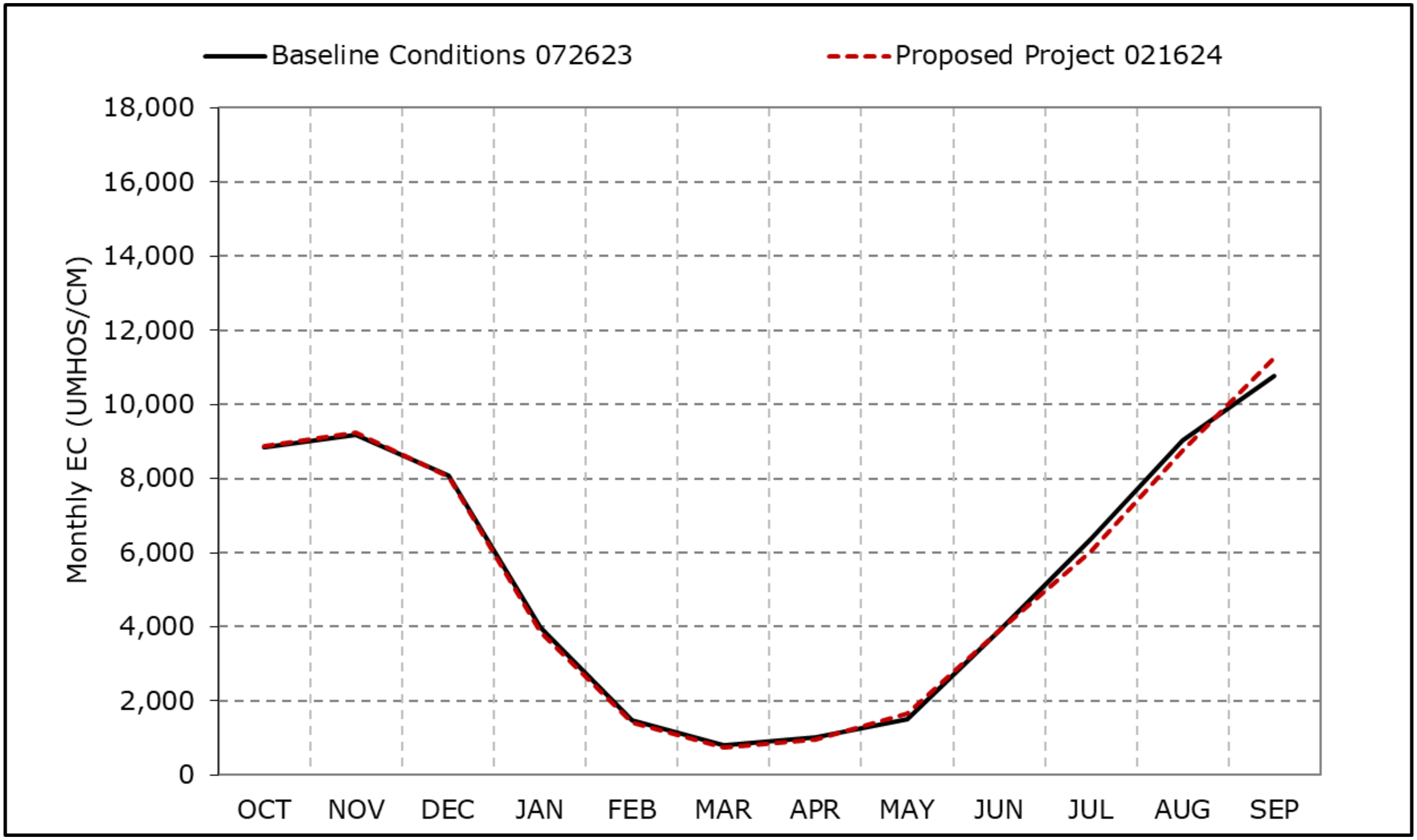
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-9c. Chipps Island South Channel Salinity, Above Normal Year Average EC



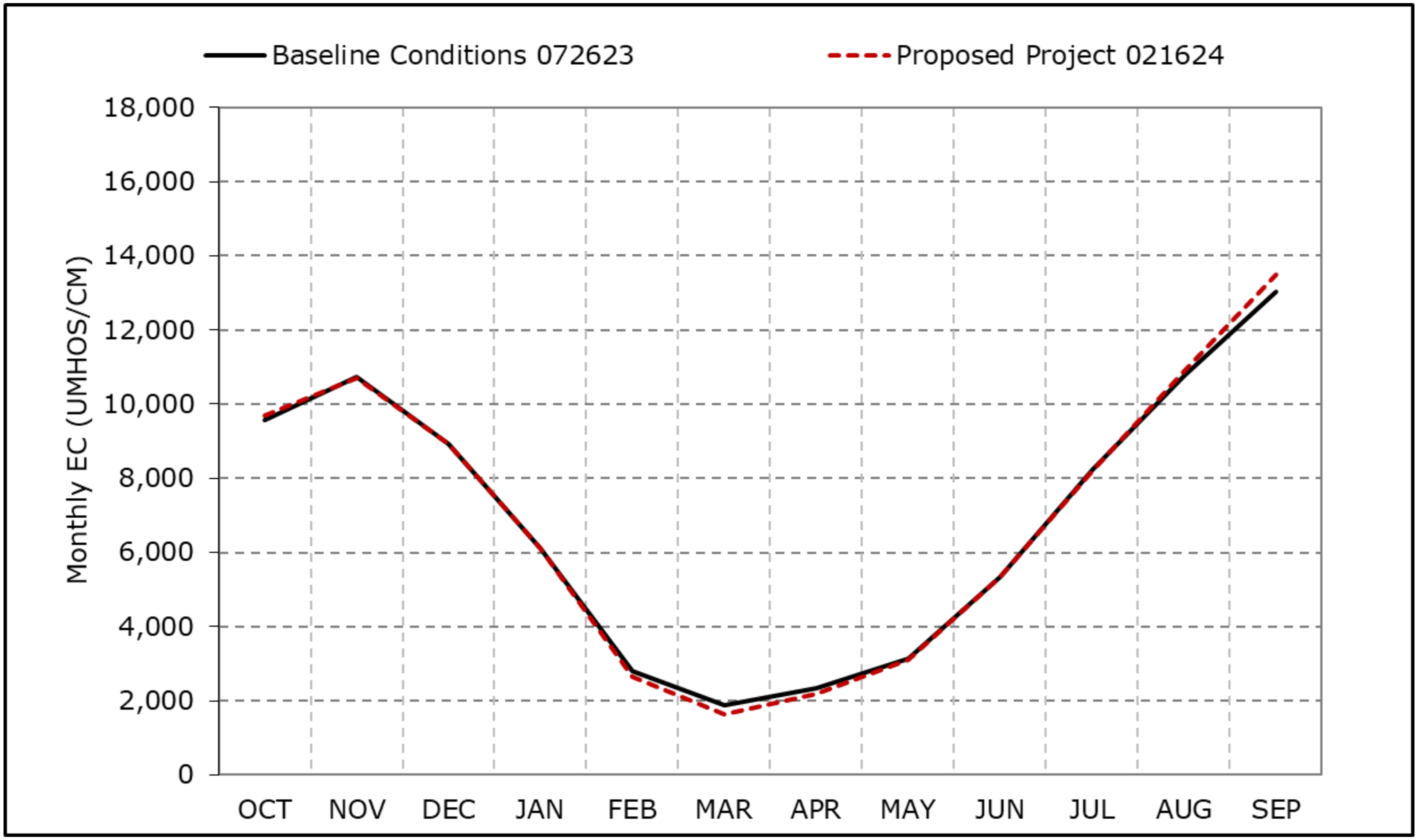
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-9d. Chipps Island South Channel Salinity, Below Normal Year Average EC



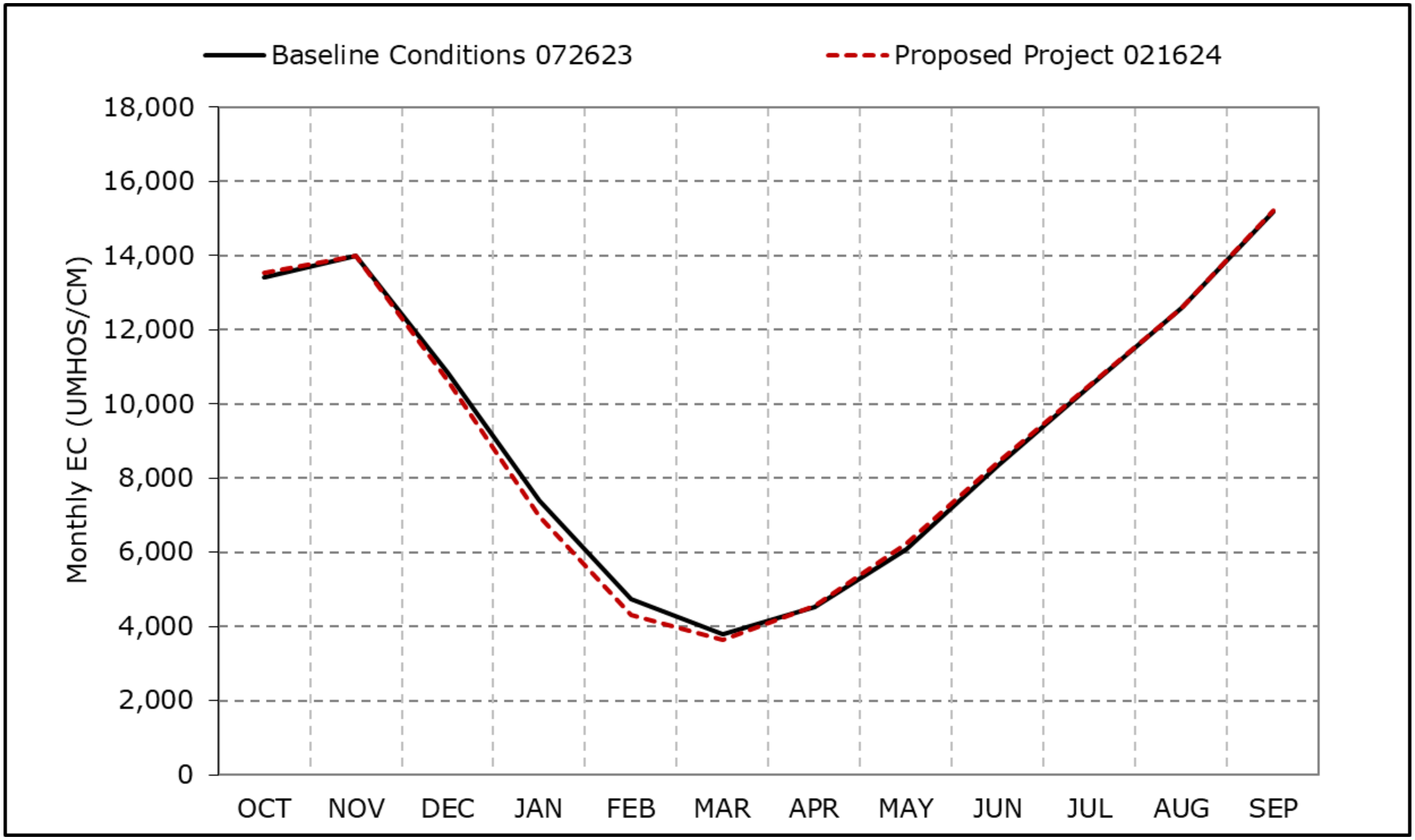
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-9e. Chipps Island South Channel Salinity, Dry Year Average EC



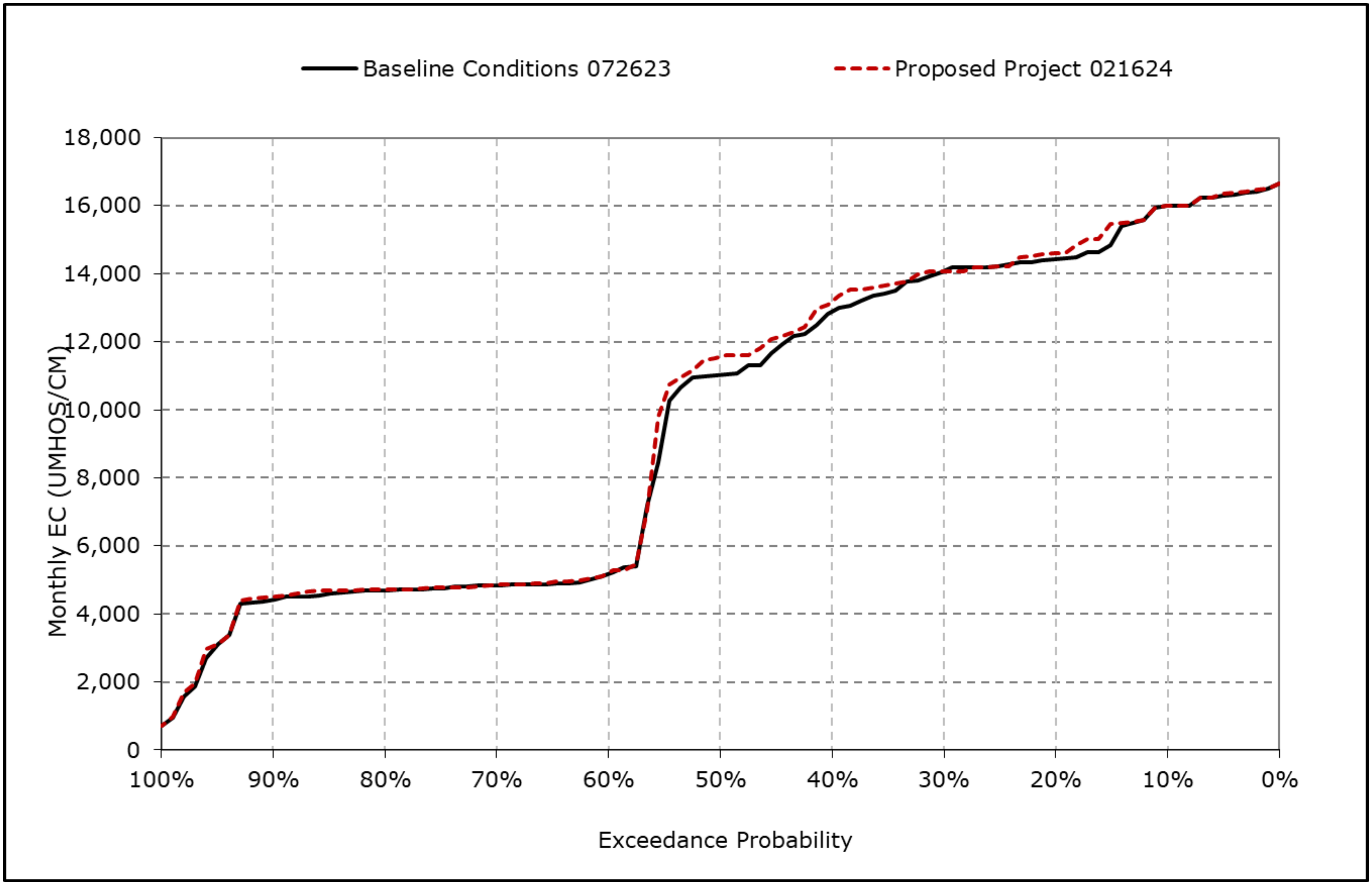
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-9f. Chipps Island South Channel Salinity, Critical Year Average EC



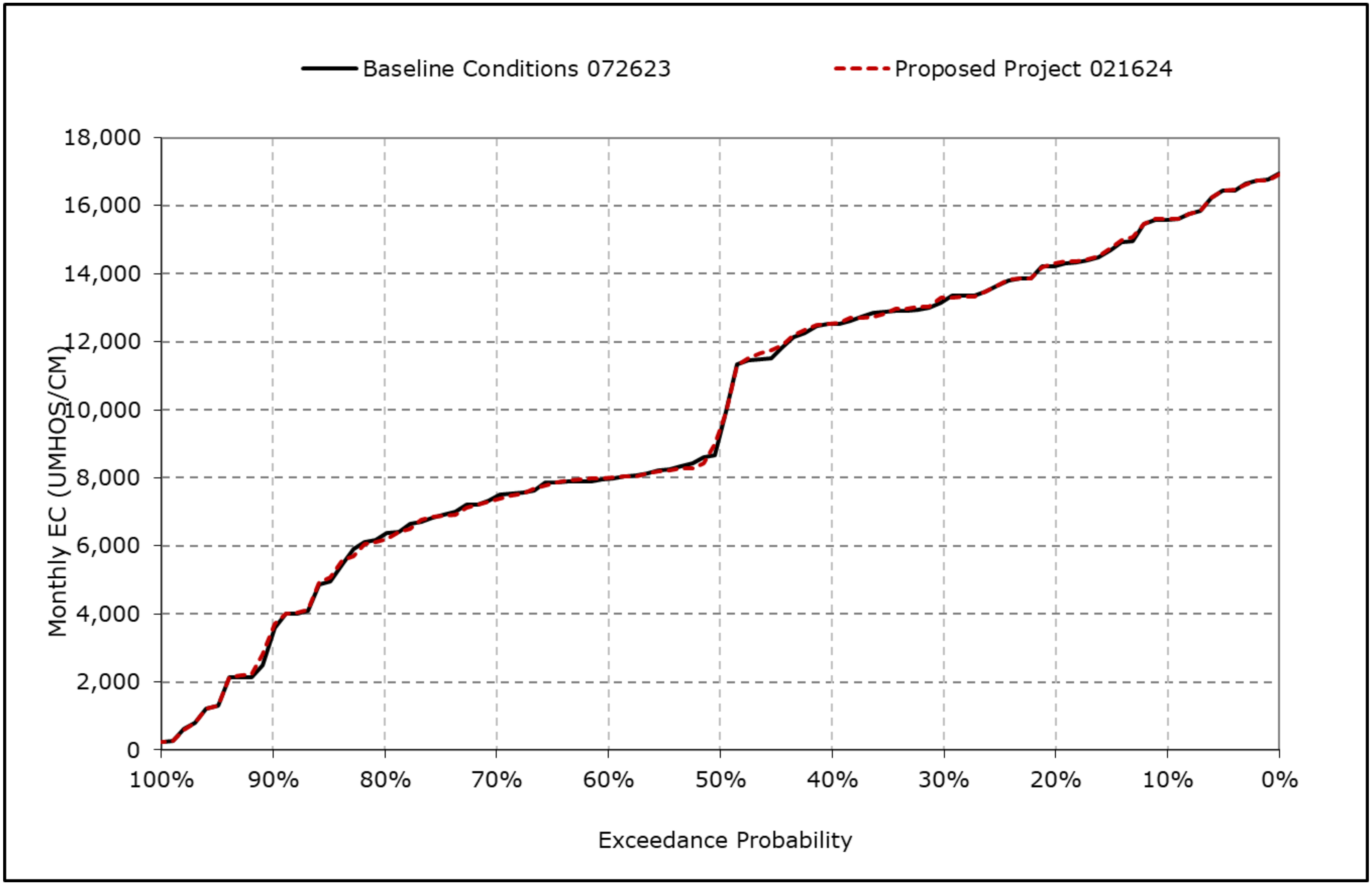
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-9g. Chipps Island South Channel Salinity, October EC



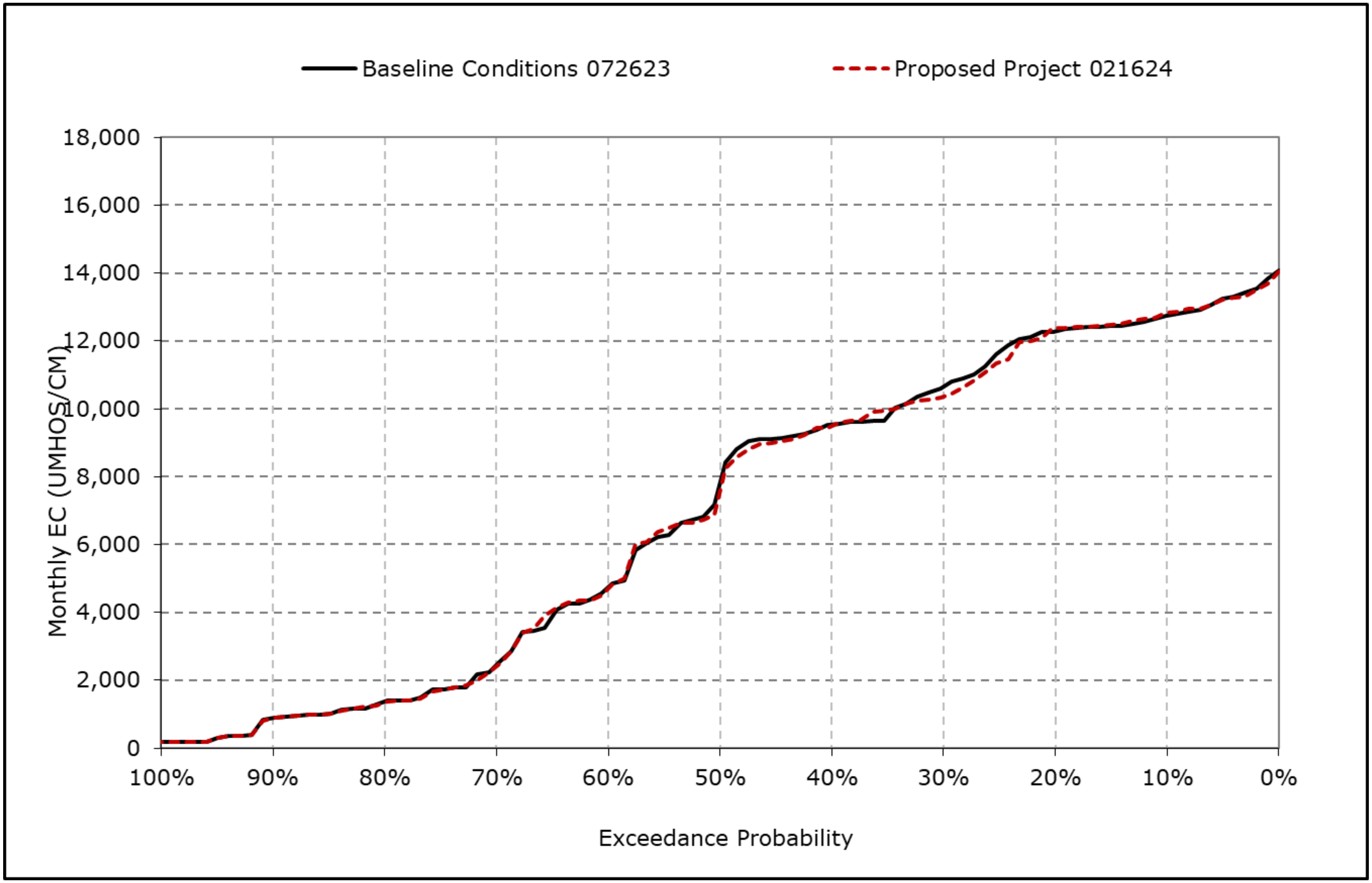
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-9h. Chipps Island South Channel Salinity, November EC



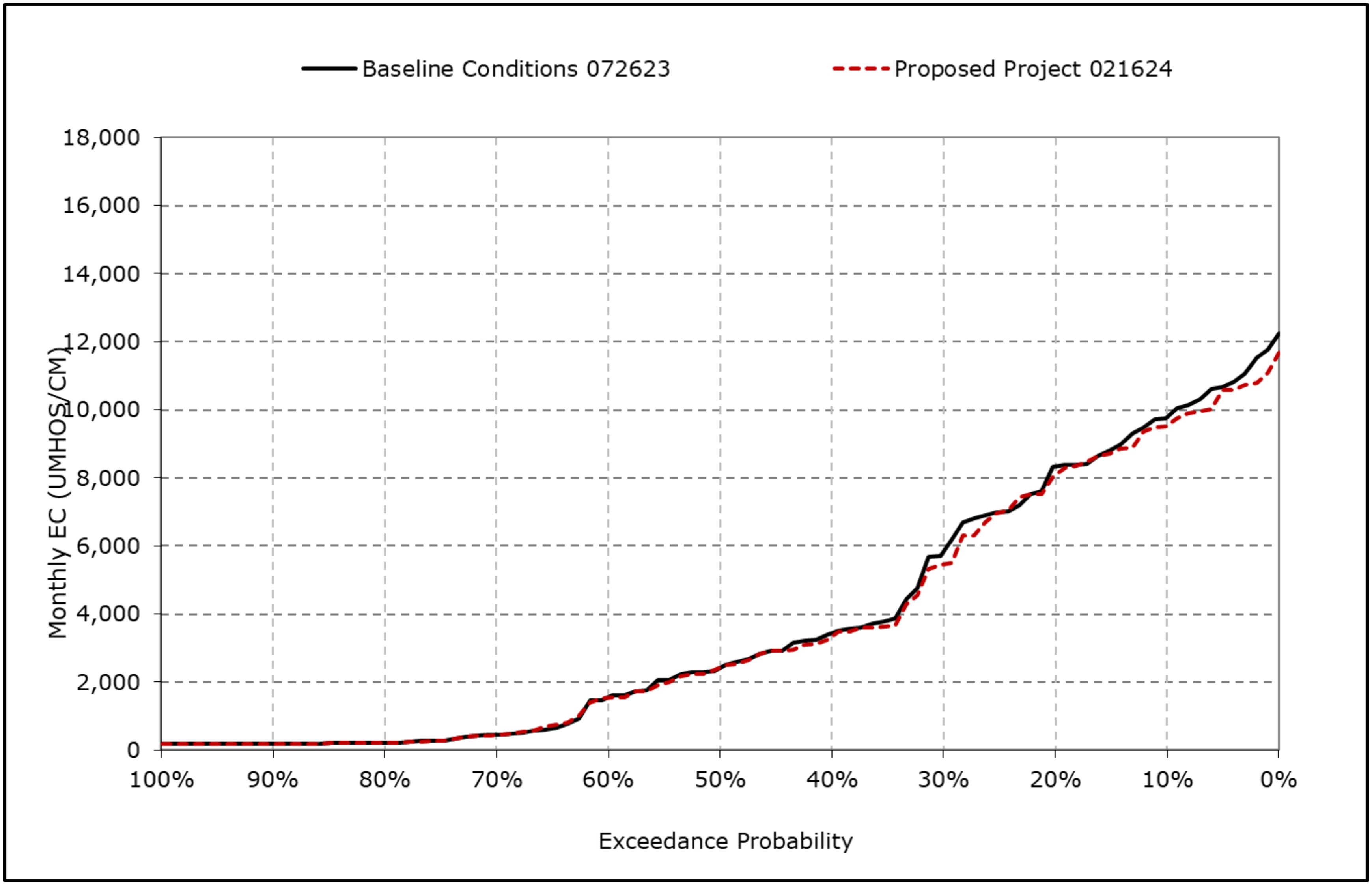
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-9i. Chipps Island South Channel Salinity, December EC



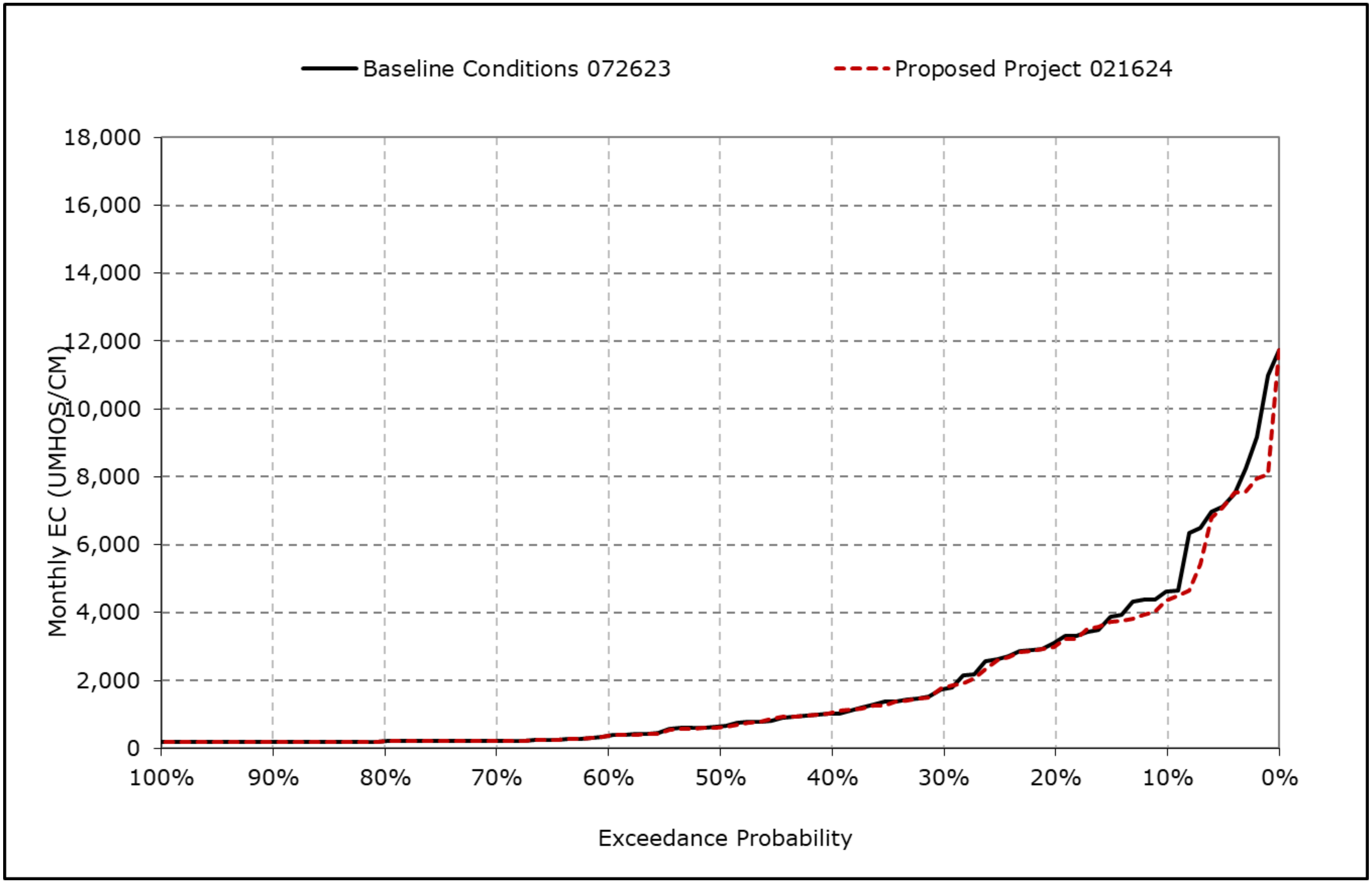
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-9j. Chipps Island South Channel Salinity, January EC



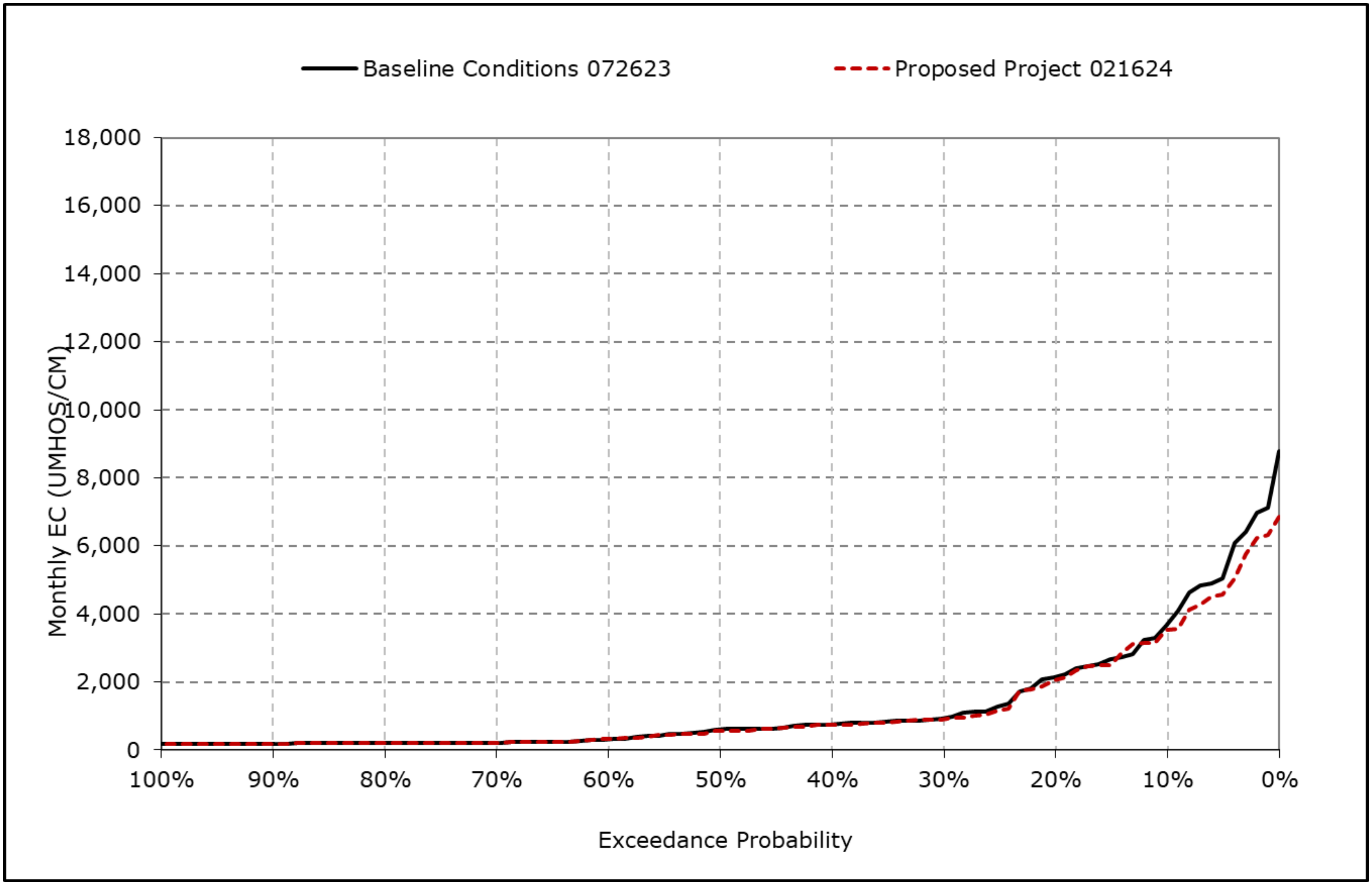
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-9k. Chipps Island South Channel Salinity, February EC



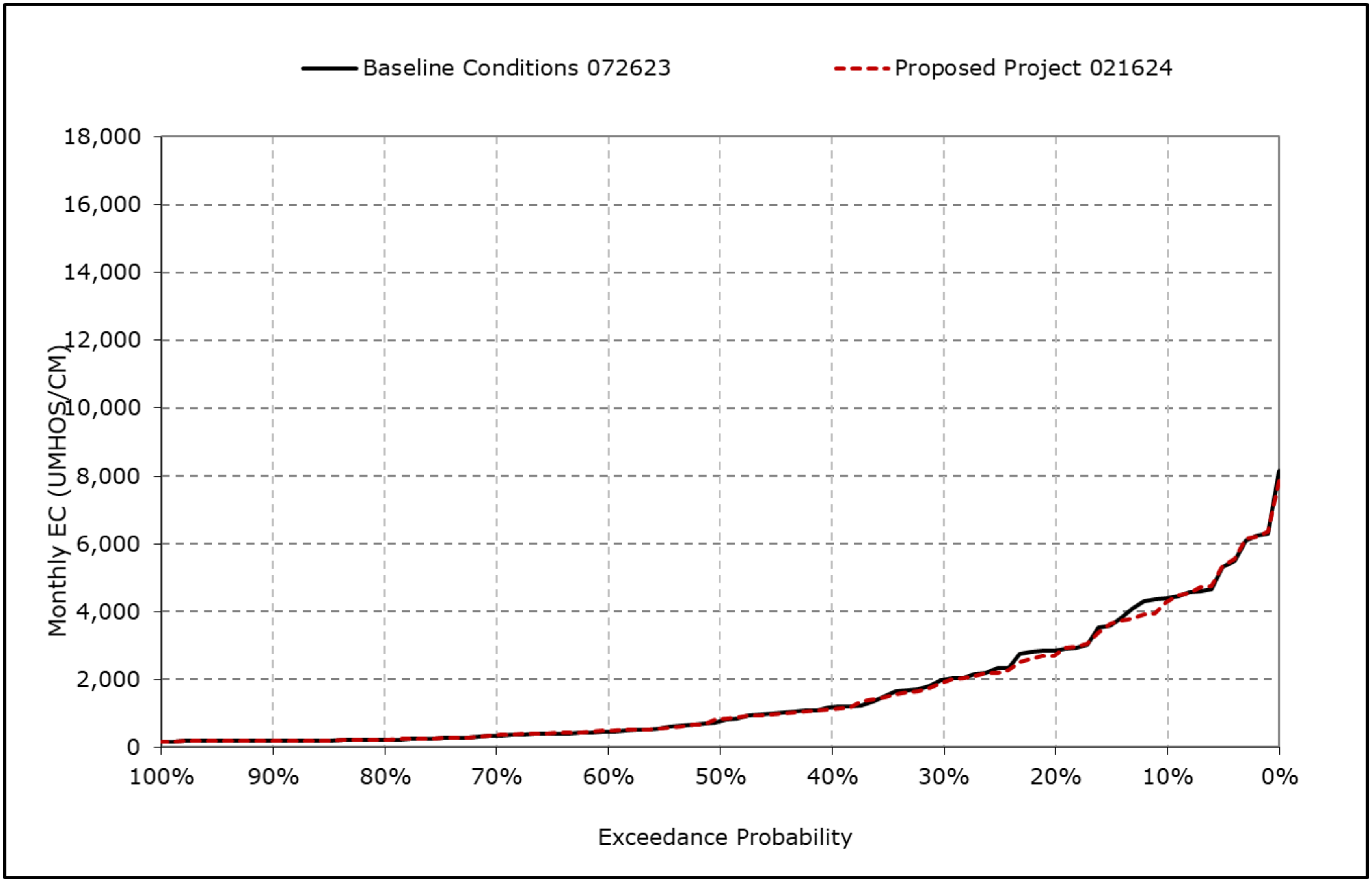
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-9l. Chipps Island South Channel Salinity, March EC



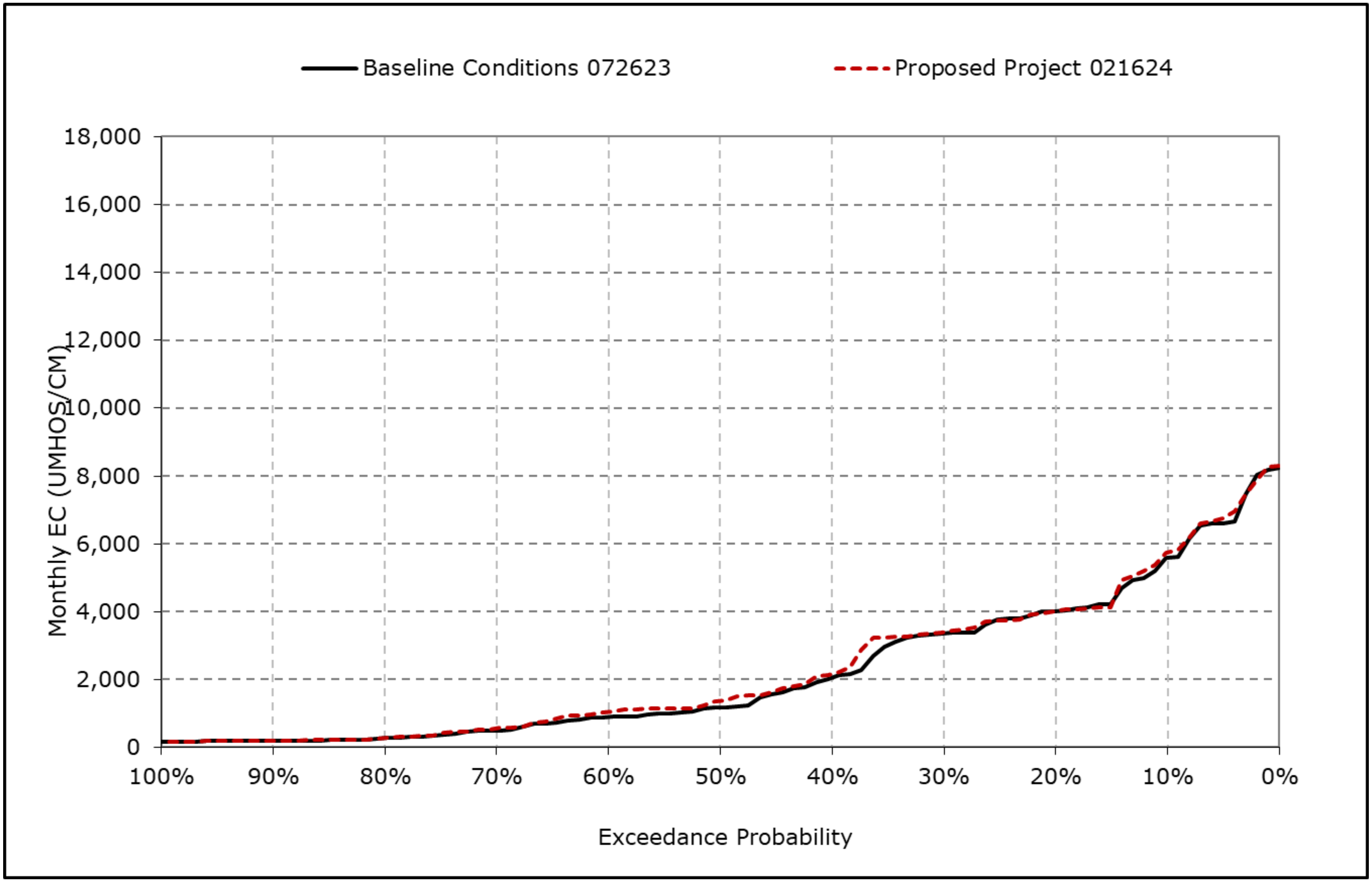
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-9m. Chipps Island South Channel Salinity, April EC



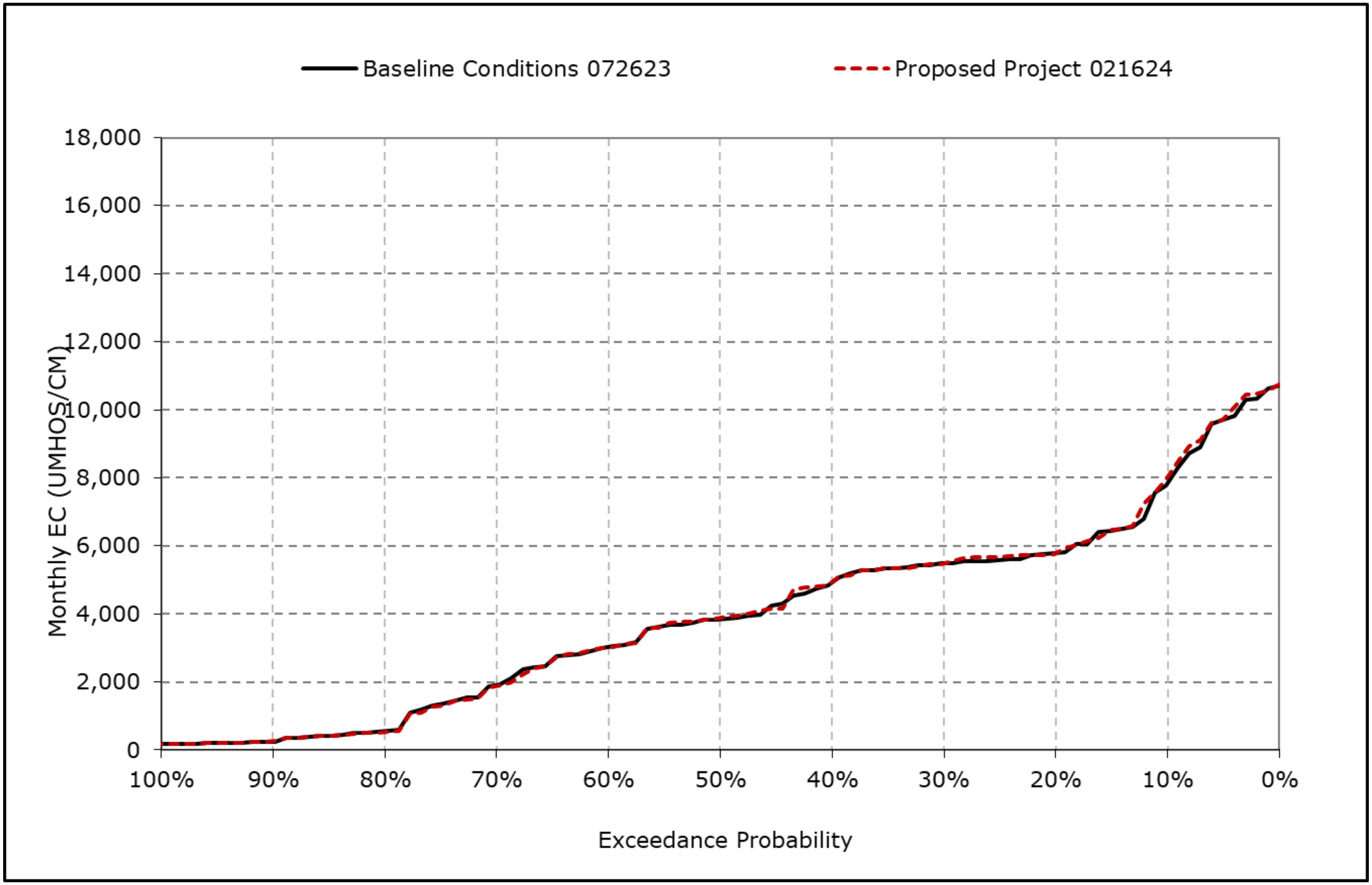
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-9n. Chipps Island South Channel Salinity, May EC



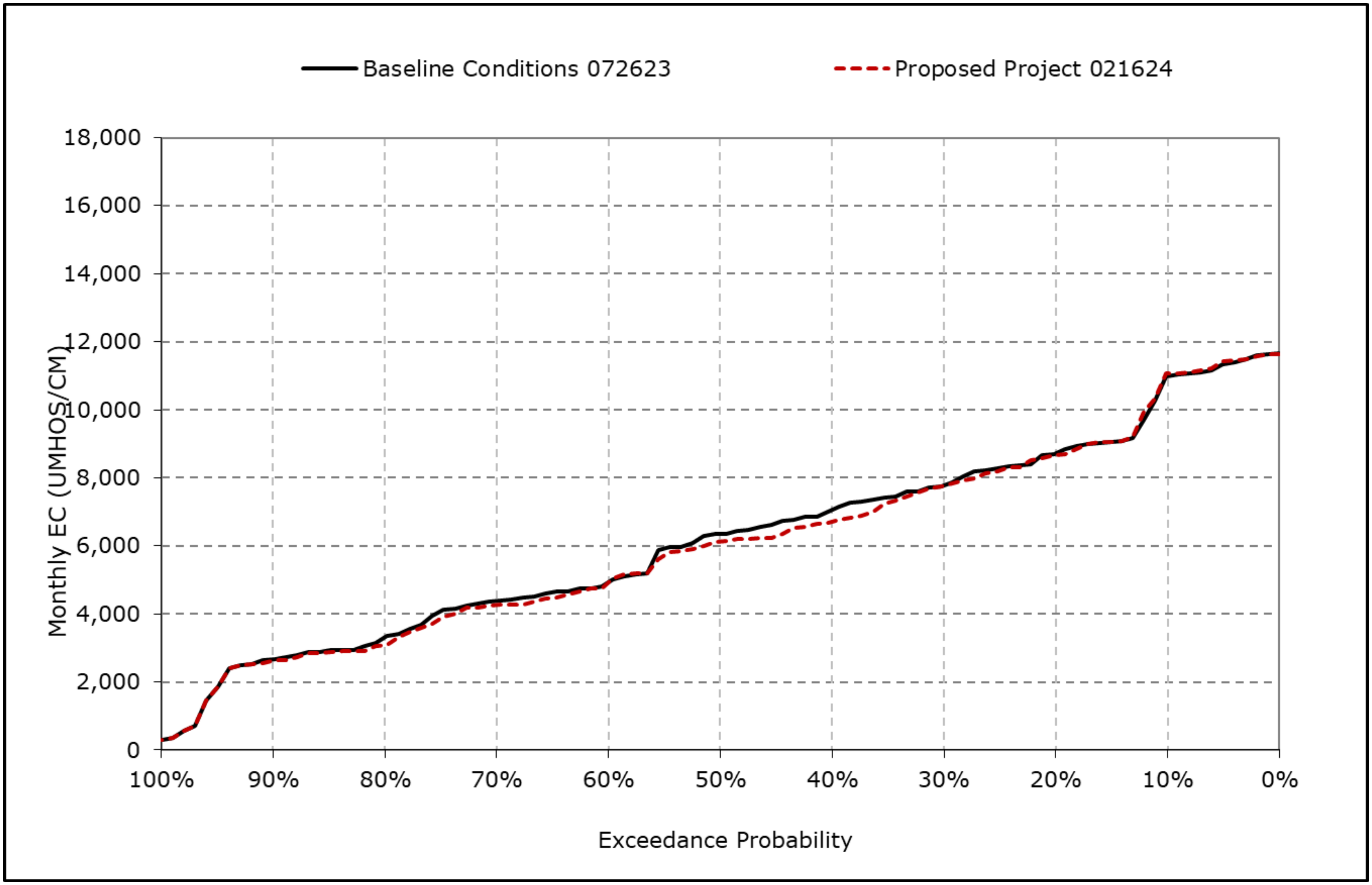
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-9o. Chipps Island South Channel Salinity, June EC



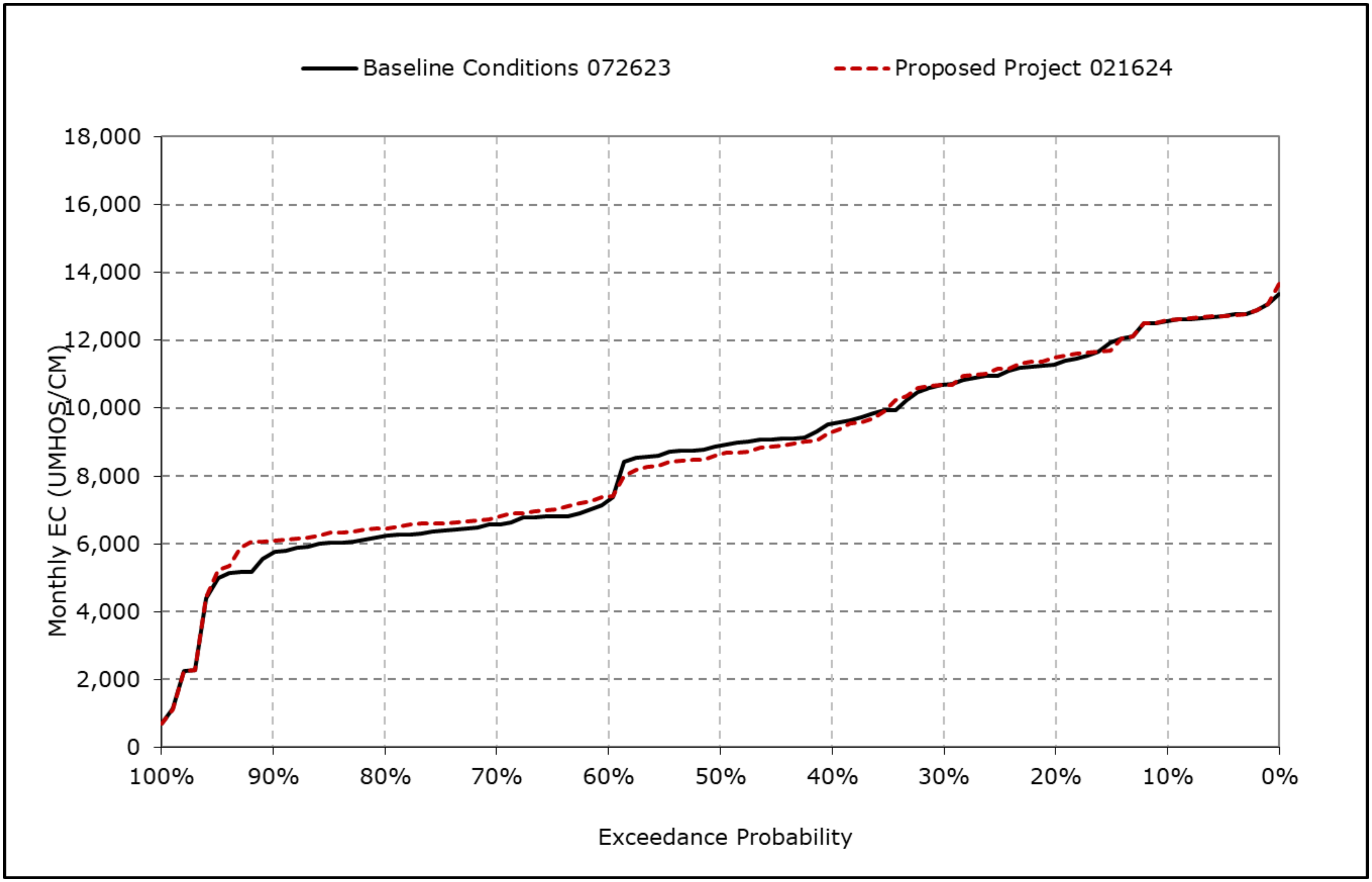
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-9p. Chipps Island South Channel Salinity, July EC



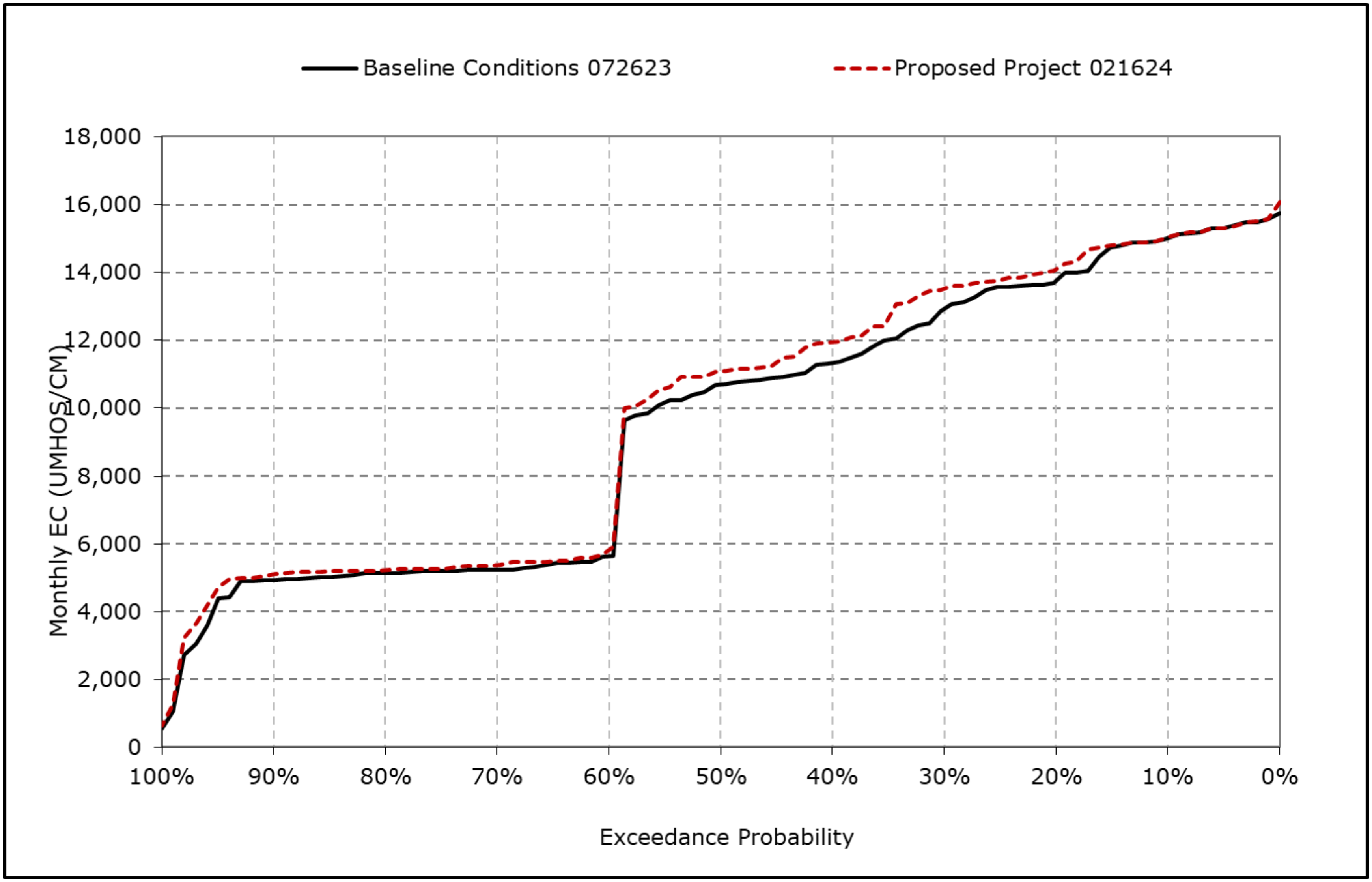
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-9q. Chipps Island South Channel Salinity, August EC



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

Figure 4B-6-9r. Chipps Island South Channel Salinity, September EC



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

Table 4B-6-10-1a. Sacramento River at Port Chicago Salinity, Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	21,590	20,574	17,912	15,056	9,998	8,518	9,312	10,936	13,850	17,409	19,098	20,891
20% Exceedance	19,957	19,461	17,394	13,250	7,420	6,082	7,433	9,202	11,649	14,718	17,577	19,574
30% Exceedance	19,685	18,544	16,176	10,734	4,568	3,710	5,906	8,118	11,074	14,221	16,811	18,825
40% Exceedance	18,642	17,910	15,528	7,649	3,755	3,214	4,400	6,118	10,451	12,800	15,464	17,557
50% Exceedance	17,557	15,088	13,018	5,706	2,211	2,400	3,186	4,406	9,039	12,051	14,818	17,062
60% Exceedance	10,891	14,022	9,708	3,889	1,420	1,557	2,216	3,633	7,927	10,495	13,139	11,515
70% Exceedance	10,628	13,333	5,583	1,586	787	885	1,771	2,520	6,083	9,683	12,604	11,085
80% Exceedance	10,501	12,007	3,171	836	458	570	1,037	1,494	2,720	7,956	12,233	10,979
90% Exceedance	9,910	8,592	1,549	429	271	323	577	900	1,464	7,099	11,429	10,426
Full Simulation Period Average[a]	15,278	15,007	11,096	6,760	3,901	3,401	4,213	5,457	8,382	11,665	14,620	15,332
Wet Water Years (30%)	13,643	12,096	4,964	1,855	657	803	1,306	1,956	3,821	7,563	11,245	10,237
Above Normal Years (11%)	15,468	15,549	11,588	3,427	1,334	1,217	1,825	3,015	6,198	9,160	12,197	10,584
Below Normal Years (21%)	14,556	14,496	12,845	7,448	3,834	2,831	3,495	4,680	8,766	11,944	14,935	17,113
Dry Water Years (22%)	15,356	16,184	14,016	10,562	6,018	5,027	6,213	7,687	10,943	14,425	16,917	18,893
Critical Water Years (16%)	19,053	19,146	15,943	12,118	8,924	8,287	9,496	11,651	14,412	16,918	19,039	20,918

Table 4B-6-10-1b. Sacramento River at Port Chicago Salinity, Proposed Project 021624, Monthly EC (UMHOS/CM)

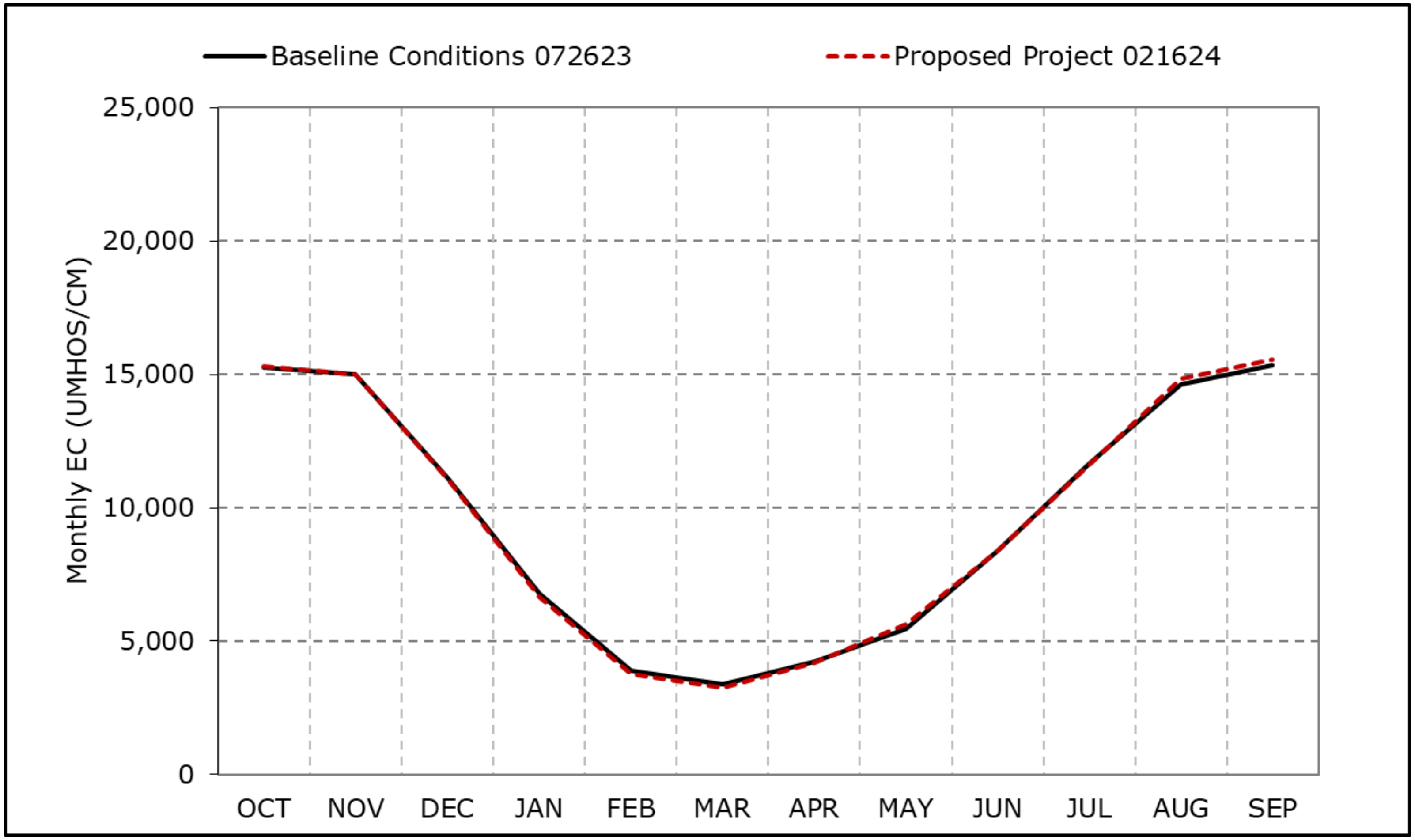
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	21,595	20,571	17,997	14,784	9,616	8,283	8,997	11,170	14,045	17,469	19,122	20,893
20% Exceedance	20,061	19,501	17,263	13,038	7,384	6,064	7,153	9,140	11,572	14,733	17,607	19,746
30% Exceedance	19,618	18,433	16,076	10,336	4,566	3,639	5,846	8,276	11,106	14,172	17,031	19,256
40% Exceedance	18,794	17,961	15,357	7,263	3,660	3,022	4,214	6,336	10,449	12,714	15,584	18,070
50% Exceedance	17,644	15,163	13,027	5,646	2,204	2,283	3,232	4,940	9,080	11,907	14,806	17,292
60% Exceedance	10,965	13,997	9,729	3,785	1,344	1,600	2,288	4,070	7,862	10,604	13,430	11,704
70% Exceedance	10,635	13,196	5,539	1,577	777	885	1,846	2,719	6,017	9,698	12,896	11,204
80% Exceedance	10,481	11,961	3,179	849	456	565	1,034	1,556	2,660	7,818	12,604	11,066
90% Exceedance	10,008	8,769	1,530	424	271	328	578	953	1,475	7,057	12,005	10,623
Full Simulation Period Average[a]	15,318	14,997	11,073	6,652	3,771	3,263	4,186	5,630	8,396	11,627	14,837	15,566
Wet Water Years (30%)	13,767	12,103	4,988	1,828	656	809	1,377	2,162	3,808	7,536	11,557	10,484
Above Normal Years (11%)	15,456	15,436	11,735	3,444	1,322	1,172	1,837	3,237	6,157	9,139	12,719	10,691
Below Normal Years (21%)	14,538	14,550	12,801	7,300	3,791	2,681	3,414	4,990	8,780	11,750	14,959	17,440
Dry Water Years (22%)	15,370	16,148	13,995	10,570	5,815	4,673	6,014	7,660	10,947	14,461	17,178	19,237
Critical Water Years (16%)	19,080	19,127	15,744	11,665	8,456	8,124	9,566	11,824	14,526	16,949	19,063	20,939

Table 4B-6-10-1c. Sacramento River at Port Chicago Salinity, Proposed Project 021624 minus Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	5	-3	85	-272	-382	-234	-315	234	195	60	24	2
20% Exceedance	103	39	-131	-212	-36	-18	-280	-62	-77	15	31	172
30% Exceedance	-66	-110	-100	-398	-2	-70	-60	158	32	-49	220	430
40% Exceedance	151	50	-170	-386	-94	-193	-186	218	-2	-87	119	513
50% Exceedance	86	75	9	-60	-7	-117	47	535	41	-144	-13	230
60% Exceedance	75	-24	22	-104	-76	43	73	437	-65	108	292	188
70% Exceedance	7	-137	-45	-9	-10	0	75	199	-66	15	293	119
80% Exceedance	-20	-46	8	13	-2	-6	-3	62	-60	-138	371	87
90% Exceedance	98	177	-19	-5	0	5	1	53	11	-42	575	197
Full Simulation Period Average[a]	40	-10	-22	-108	-130	-139	-27	173	14	-39	217	234
Wet Water Years (30%)	124	7	24	-28	-1	6	71	207	-13	-27	312	247
Above Normal Years (11%)	-11	-113	146	17	-12	-45	11	222	-40	-21	522	108
Below Normal Years (21%)	-18	54	-44	-148	-43	-150	-81	309	14	-195	24	327
Dry Water Years (22%)	13	-36	-21	8	-203	-354	-199	-28	4	36	261	344
Critical Water Years (16%)	27	-19	-198	-453	-468	-163	70	174	114	30	23	22

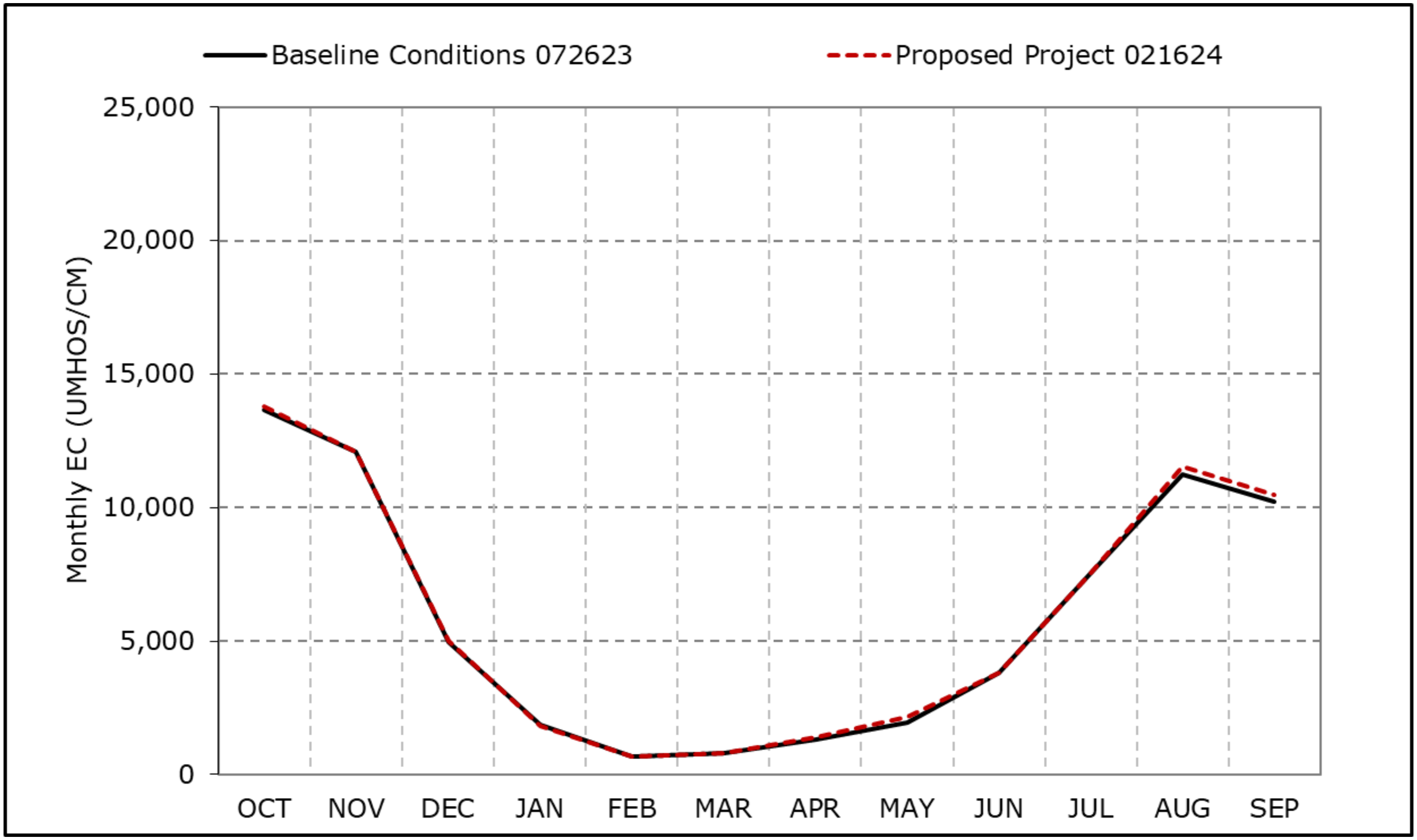
[a] Based on the 100-year simulation period.
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-6-10a. Sacramento River at Port Chicago Salinity, Long-Term Average EC



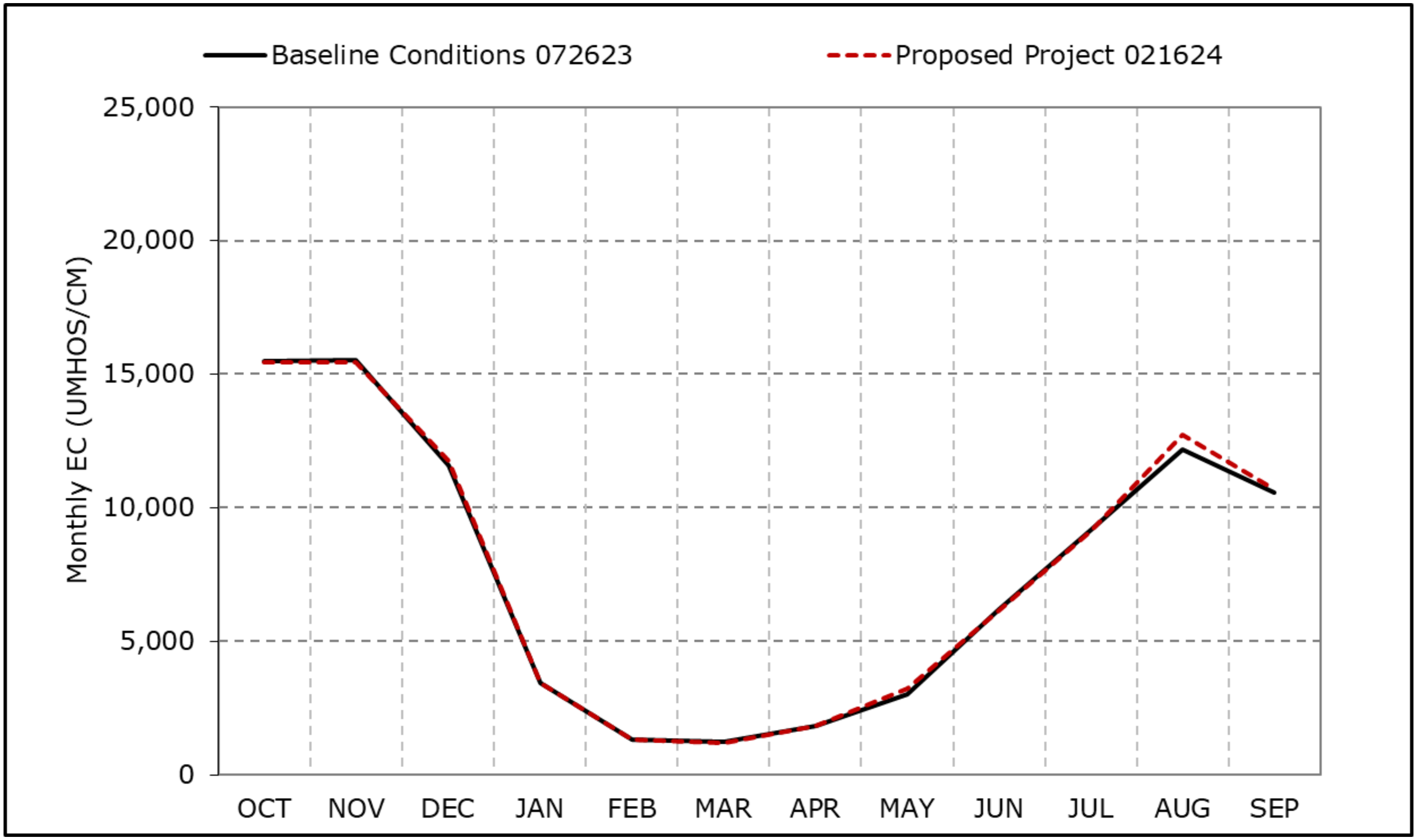
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-10b. Sacramento River at Port Chicago Salinity, Wet Year Average EC



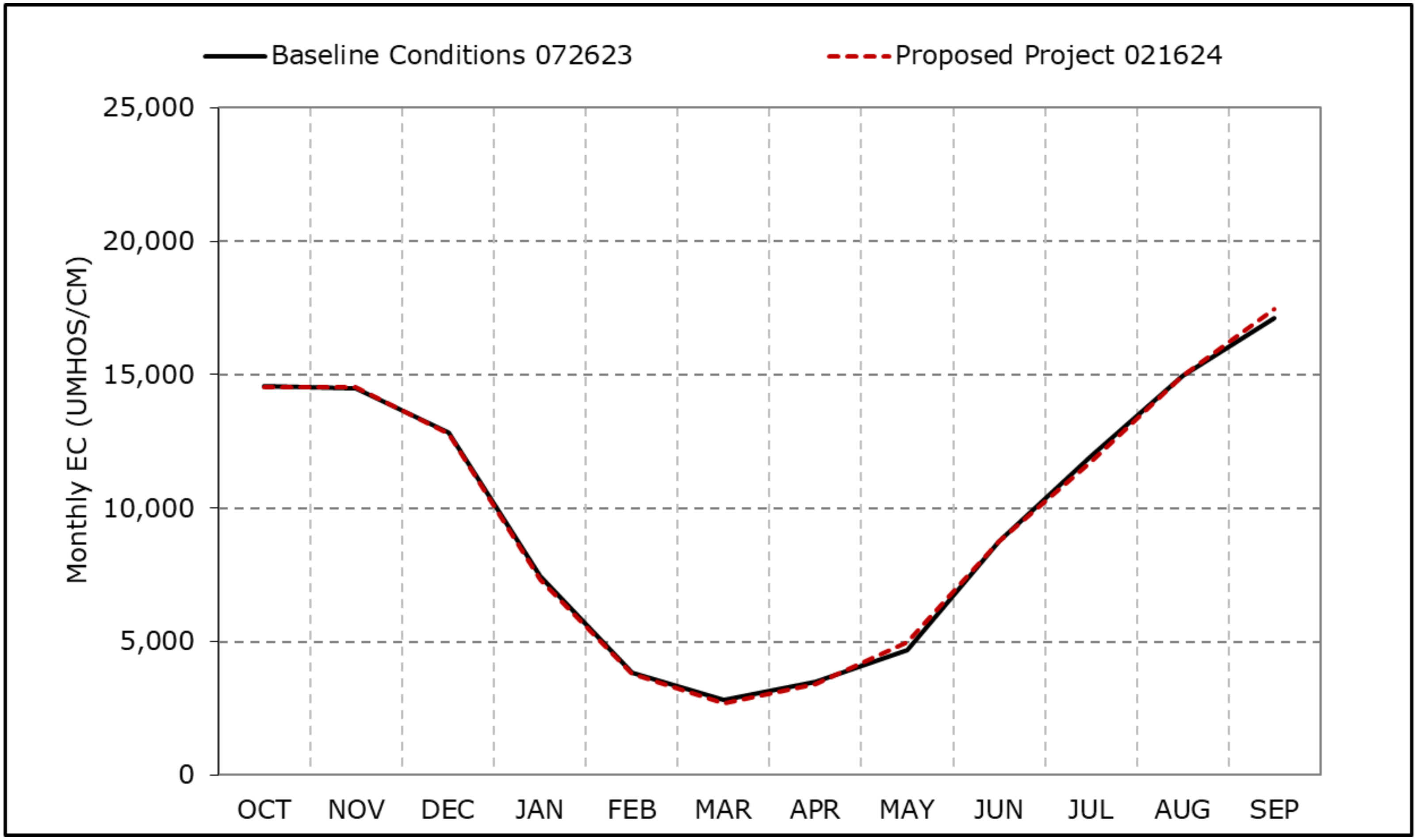
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-10c. Sacramento River at Port Chicago Salinity, Above Normal Year Average EC



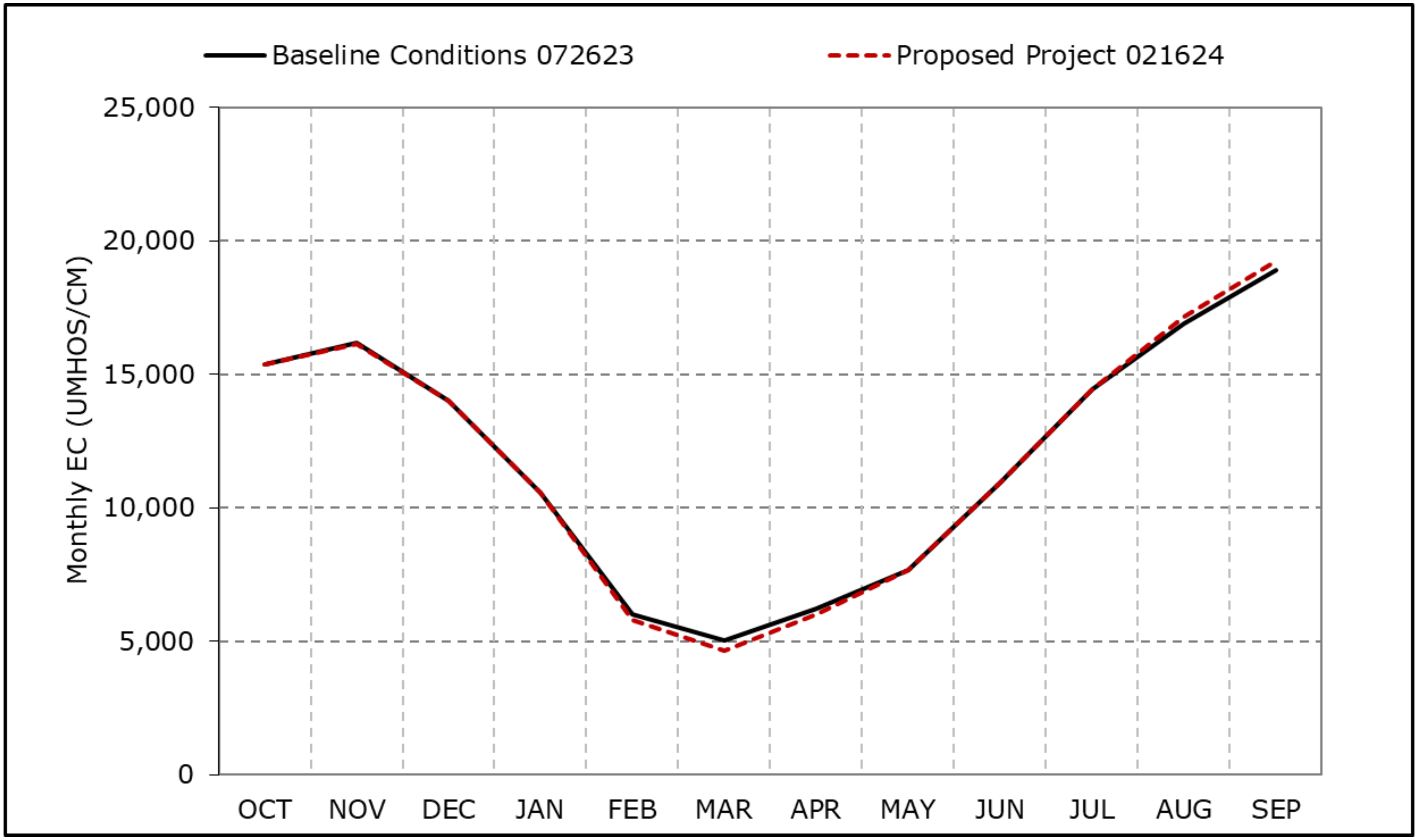
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-10d. Sacramento River at Port Chicago Salinity, Below Normal Year Average EC



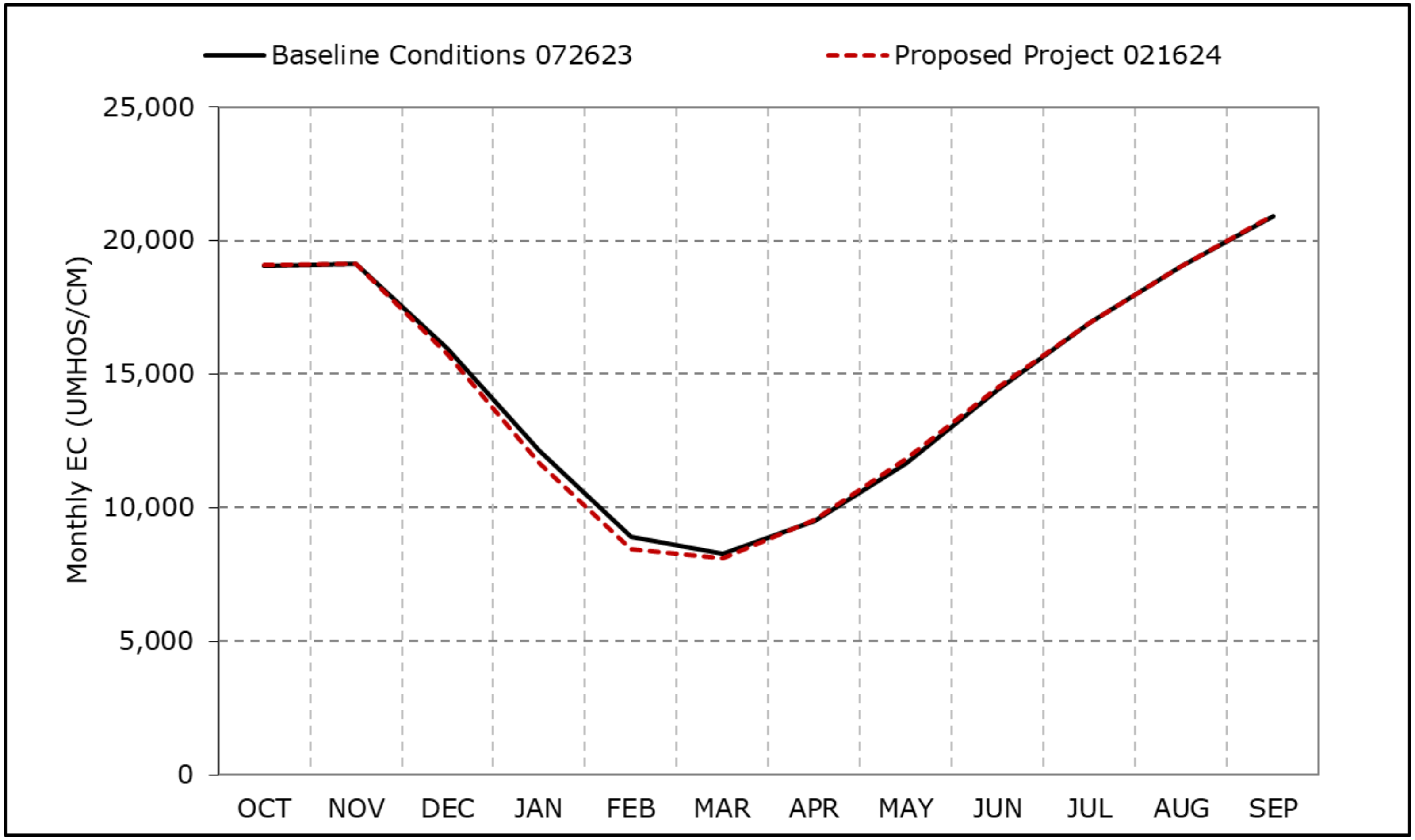
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-10e. Sacramento River at Port Chicago Salinity, Dry Year Average EC



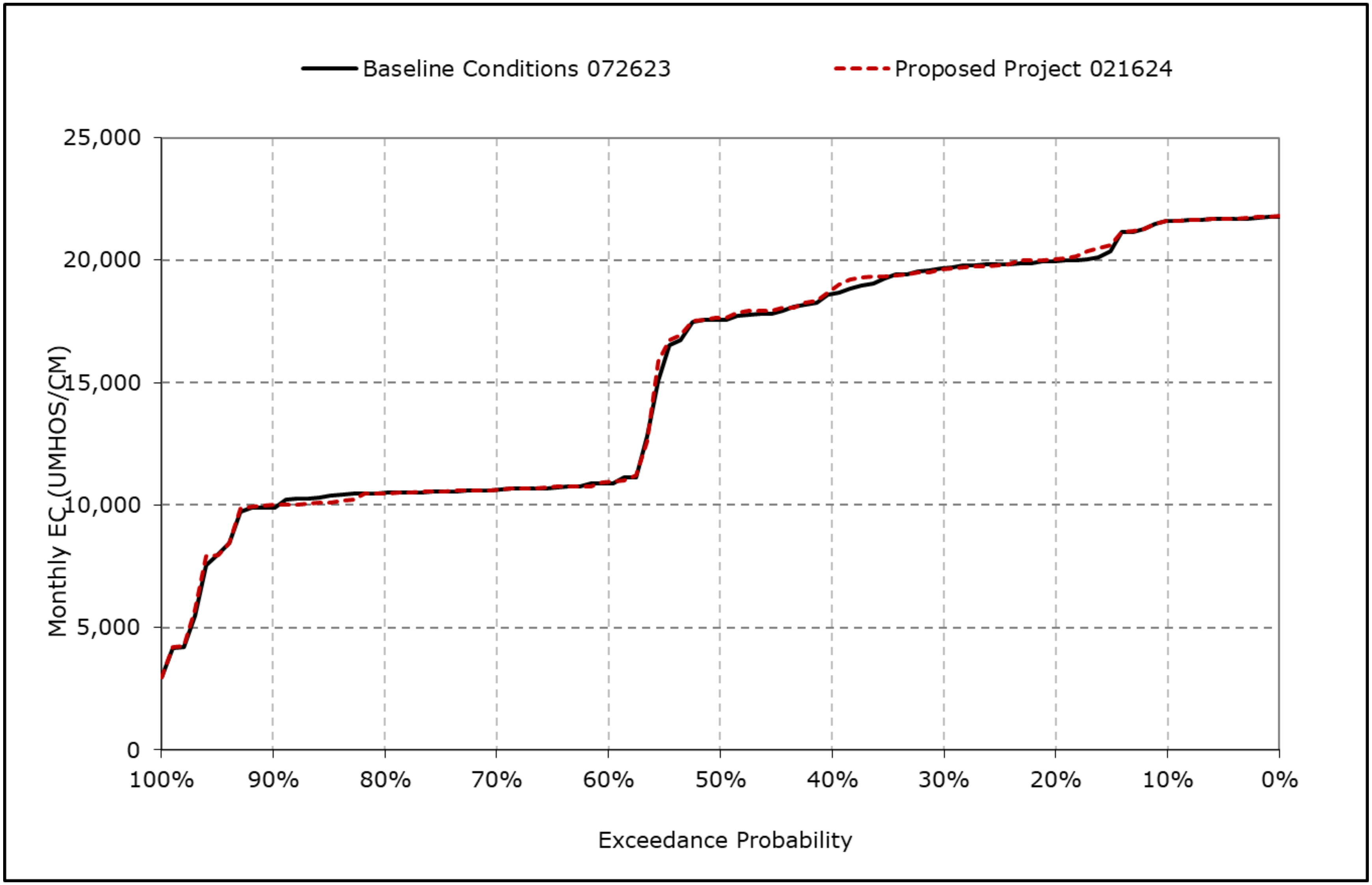
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-10f. Sacramento River at Port Chicago Salinity, Critical Year Average EC



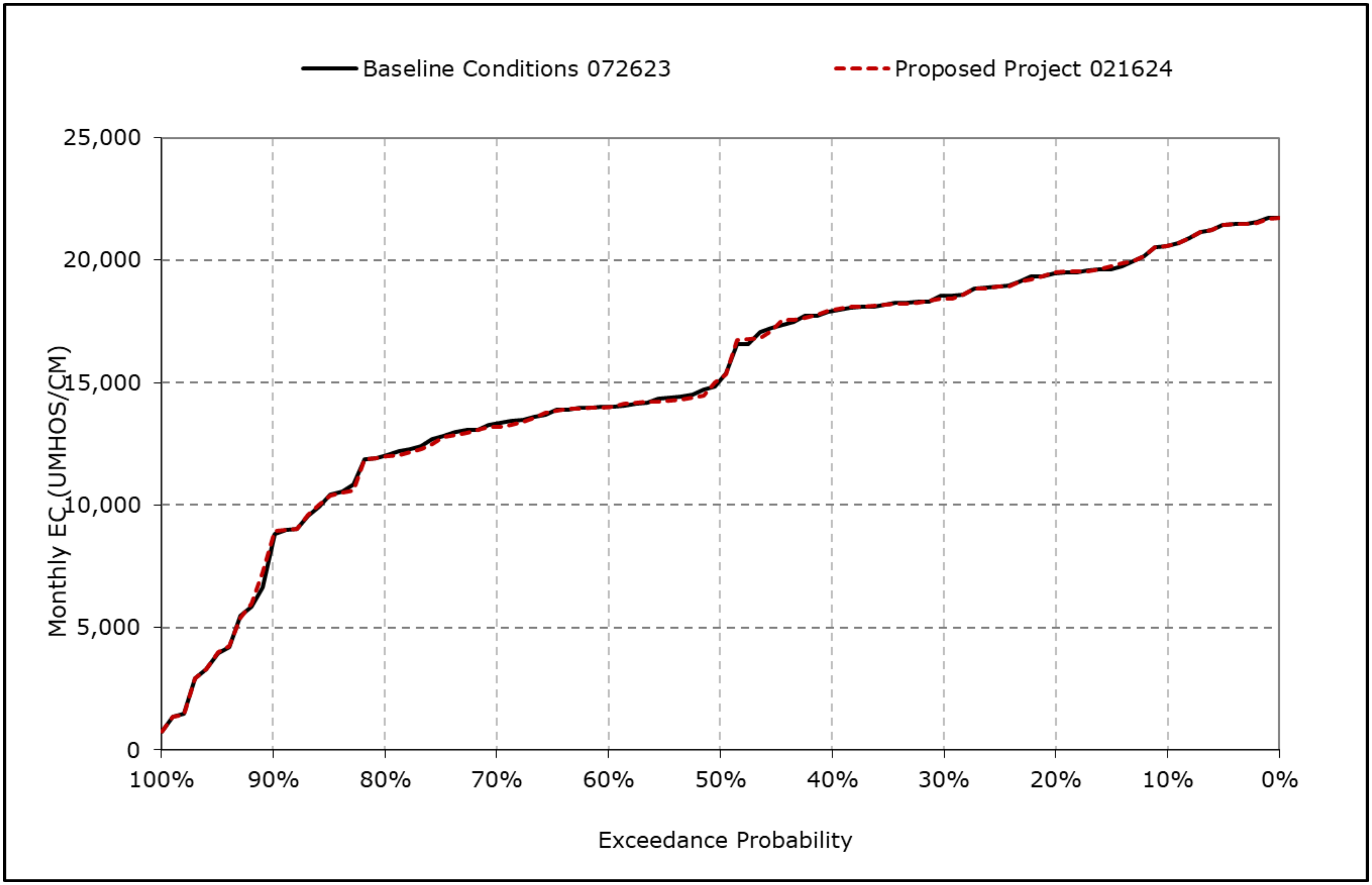
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-10g. Sacramento River at Port Chicago Salinity, October EC



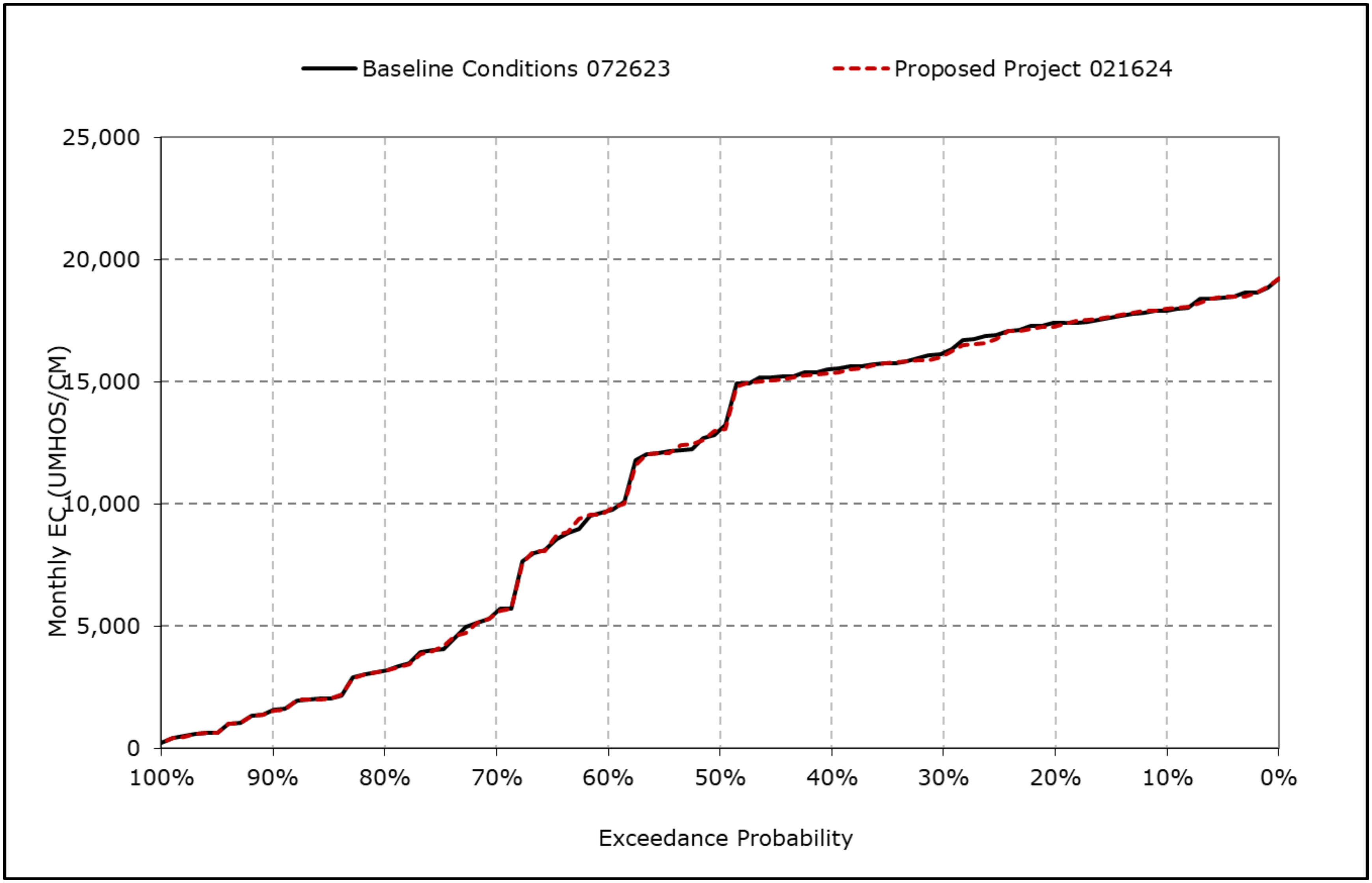
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-10h. Sacramento River at Port Chicago Salinity, November EC



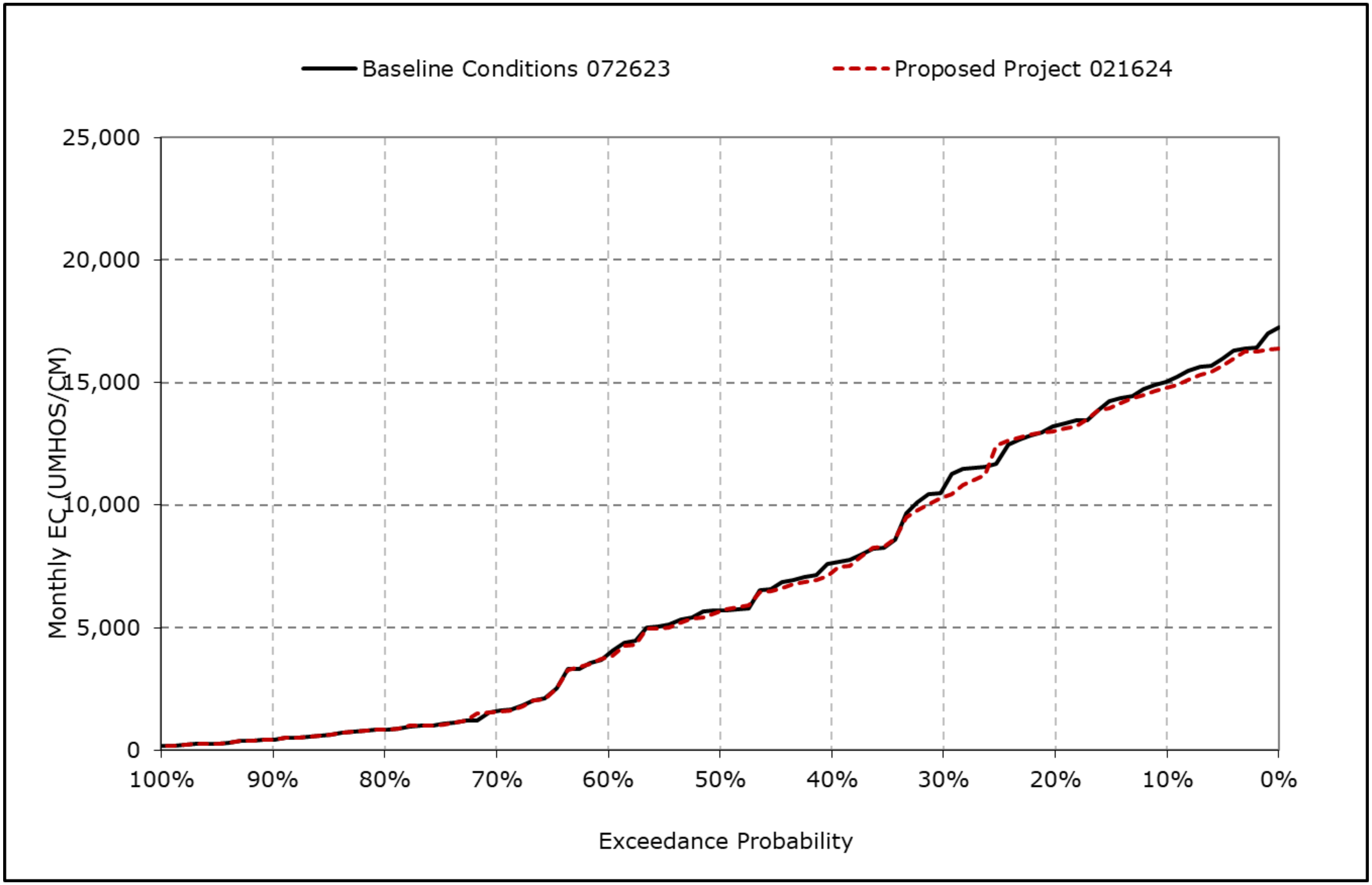
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-10i. Sacramento River at Port Chicago Salinity, December EC



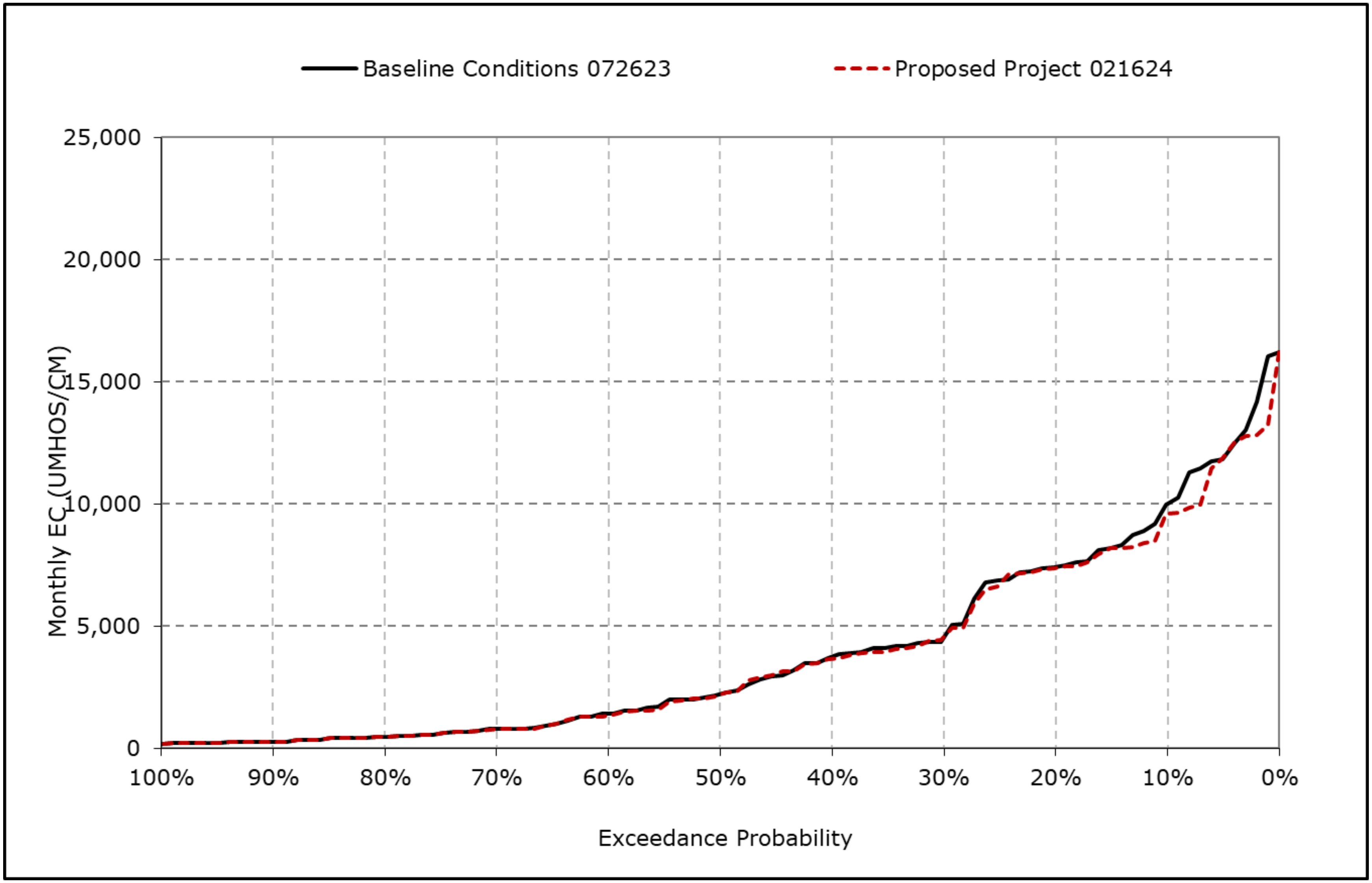
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-10j. Sacramento River at Port Chicago Salinity, January EC



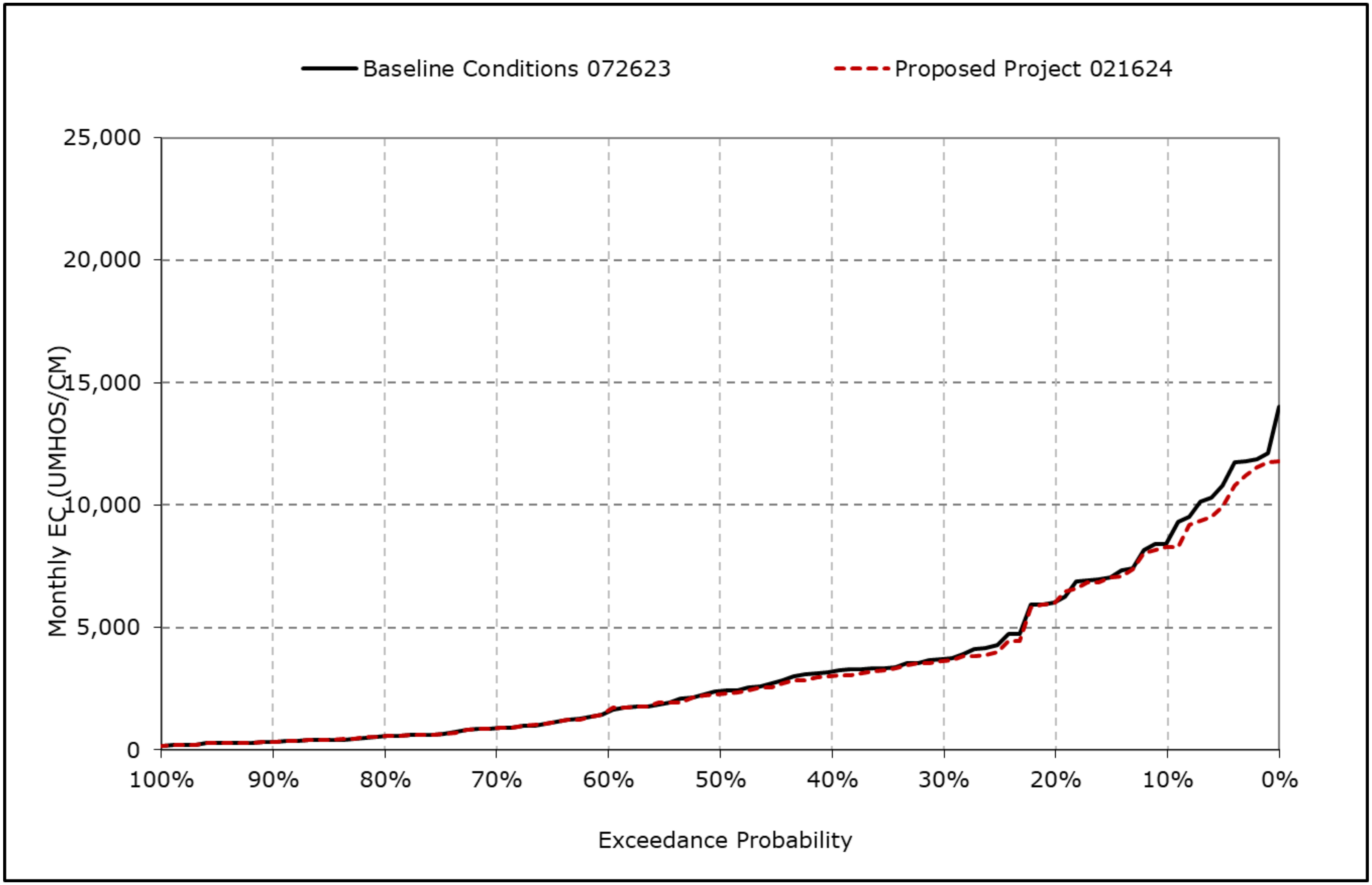
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-10k. Sacramento River at Port Chicago Salinity, February EC



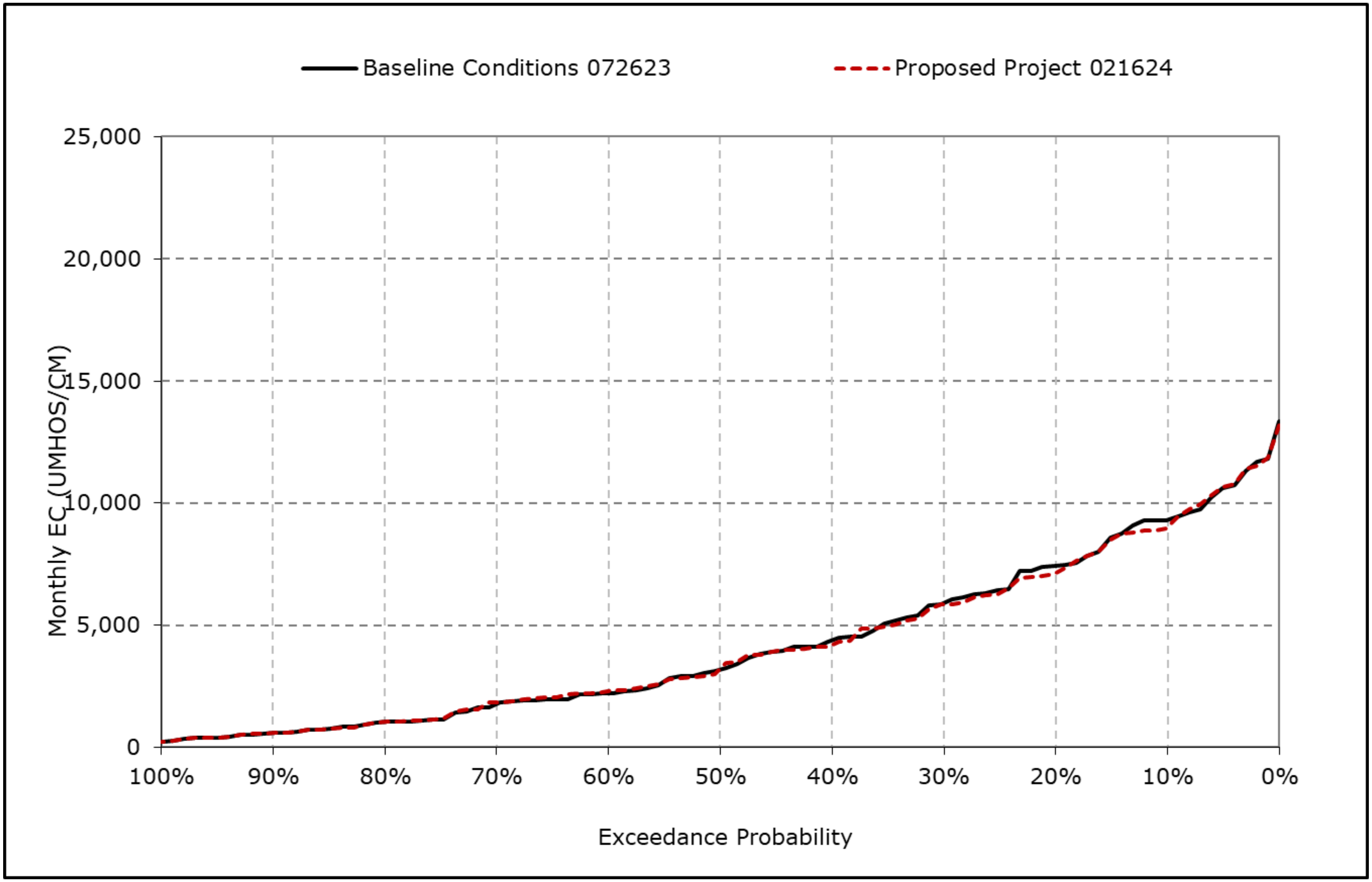
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-10l. Sacramento River at Port Chicago Salinity, March EC



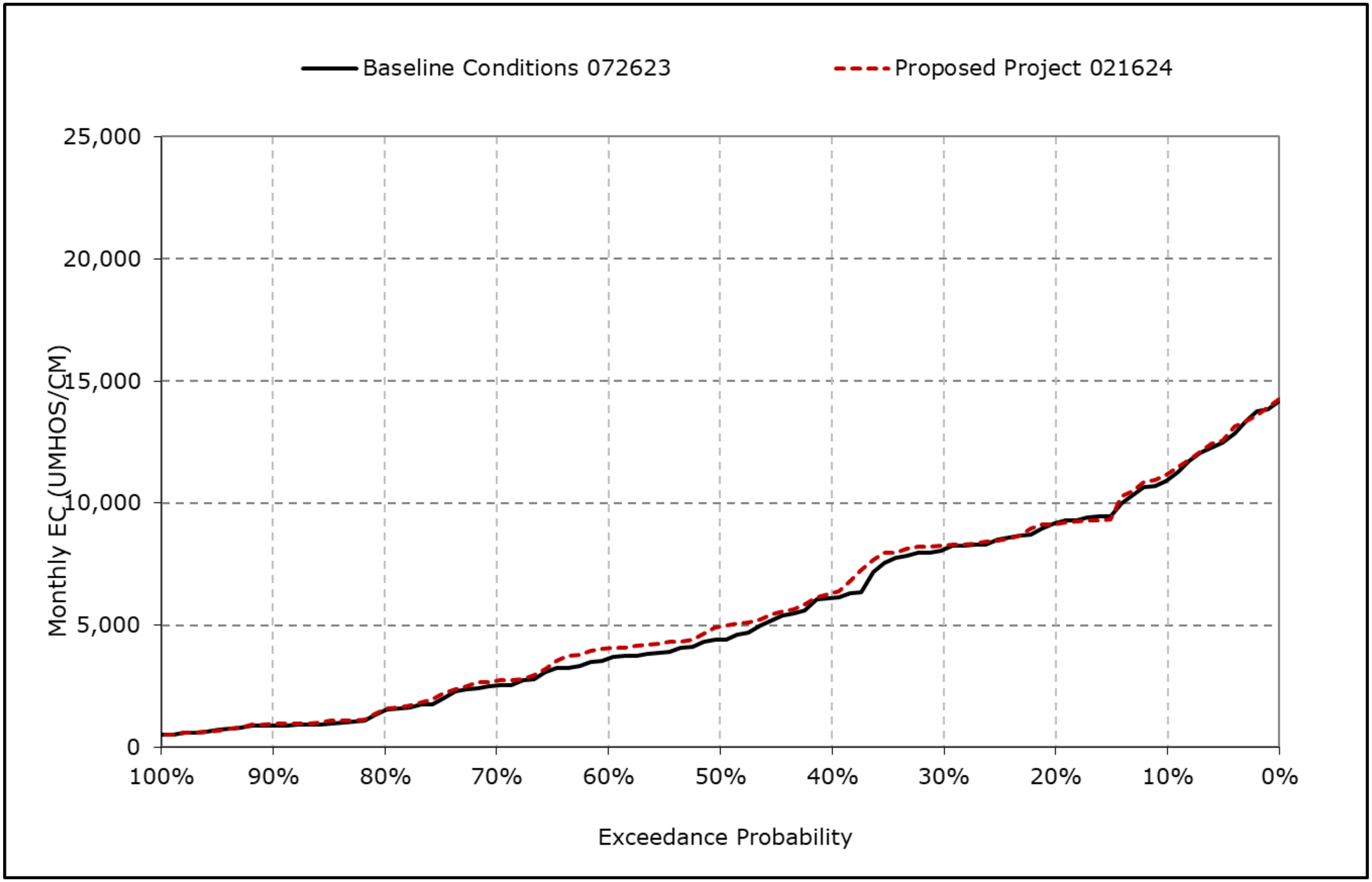
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-10m. Sacramento River at Port Chicago Salinity, April EC



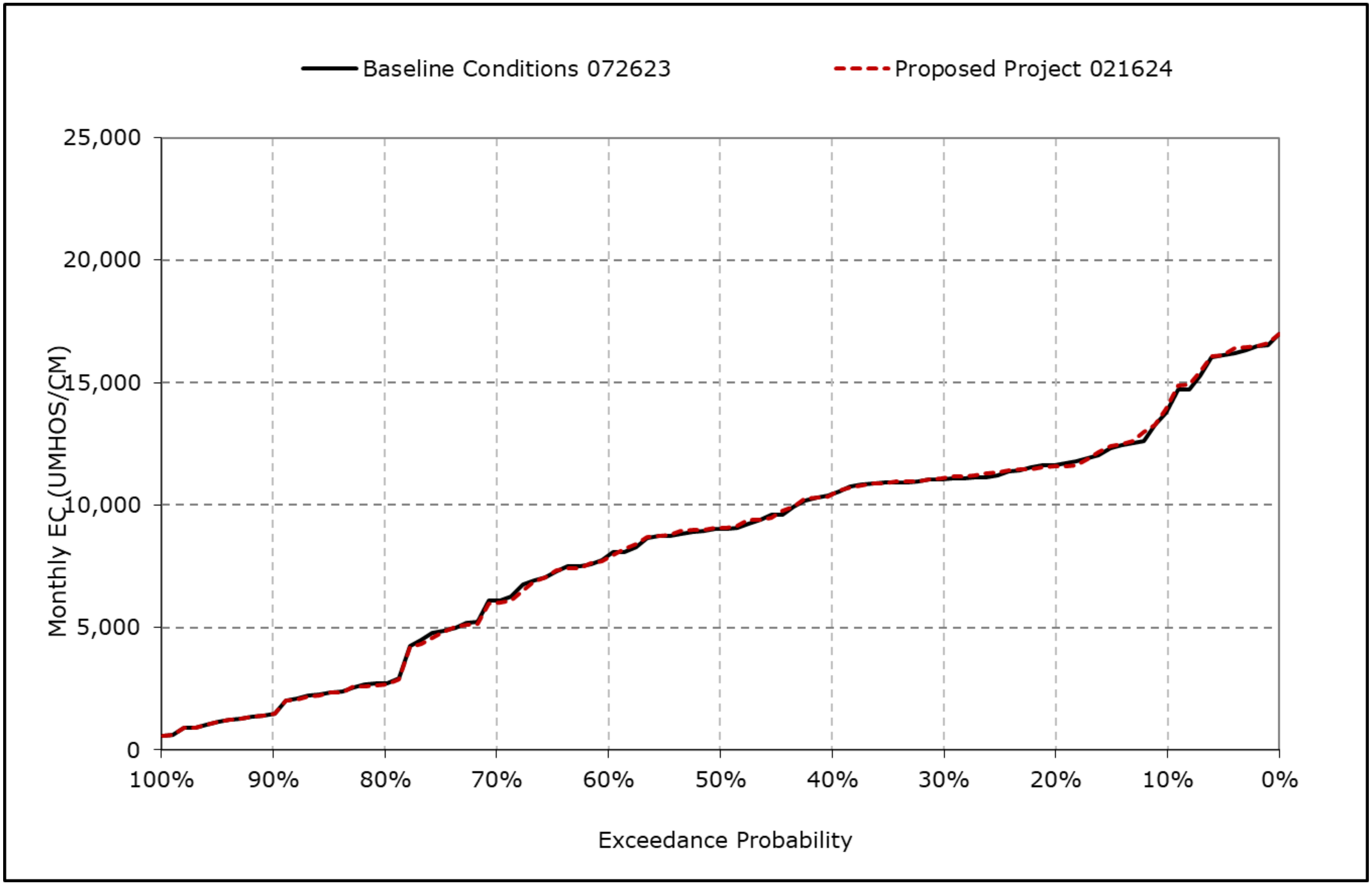
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-10n. Sacramento River at Port Chicago Salinity, May EC



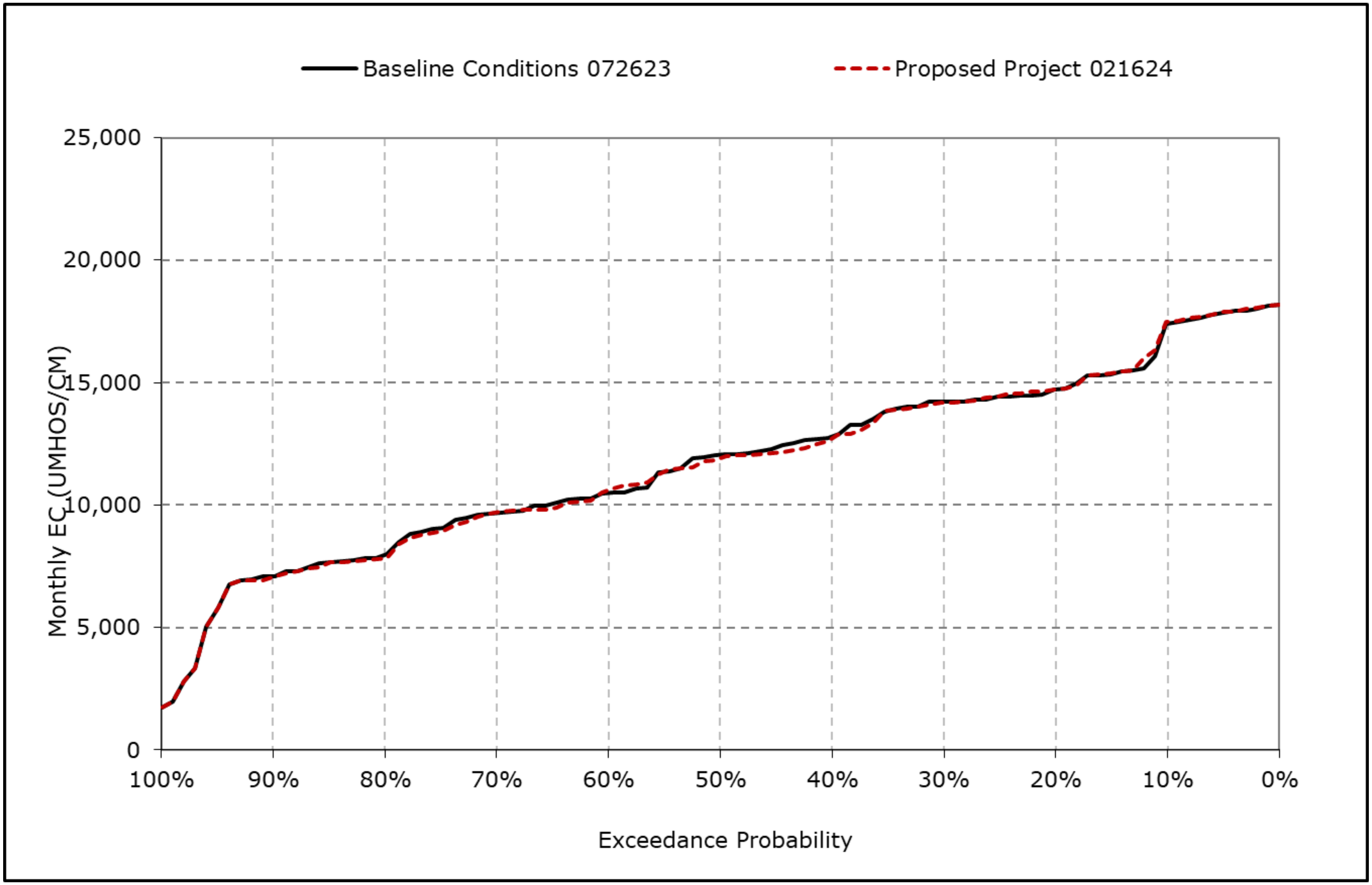
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-10o. Sacramento River at Port Chicago Salinity, June EC



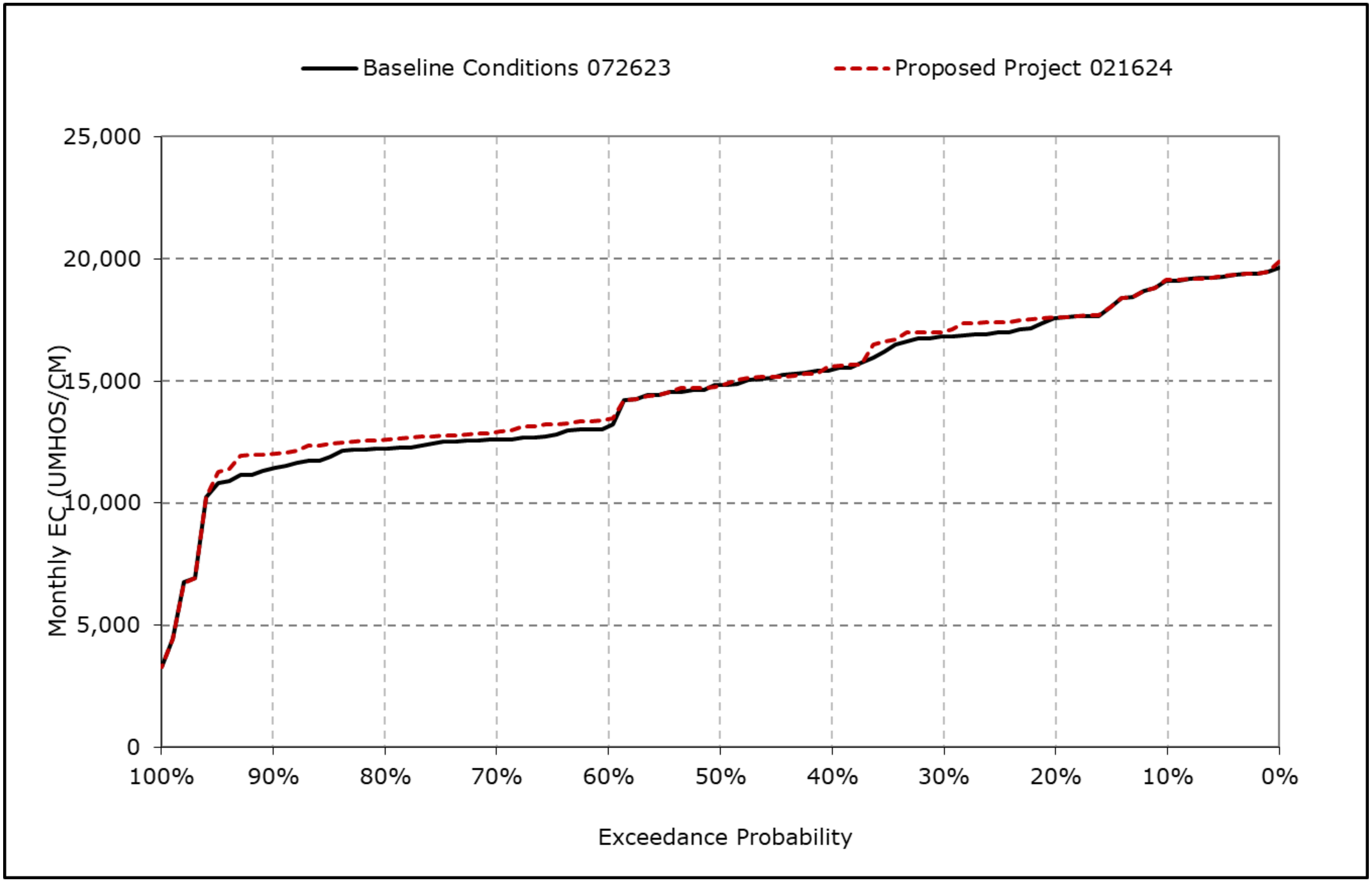
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-10p. Sacramento River at Port Chicago Salinity, July EC



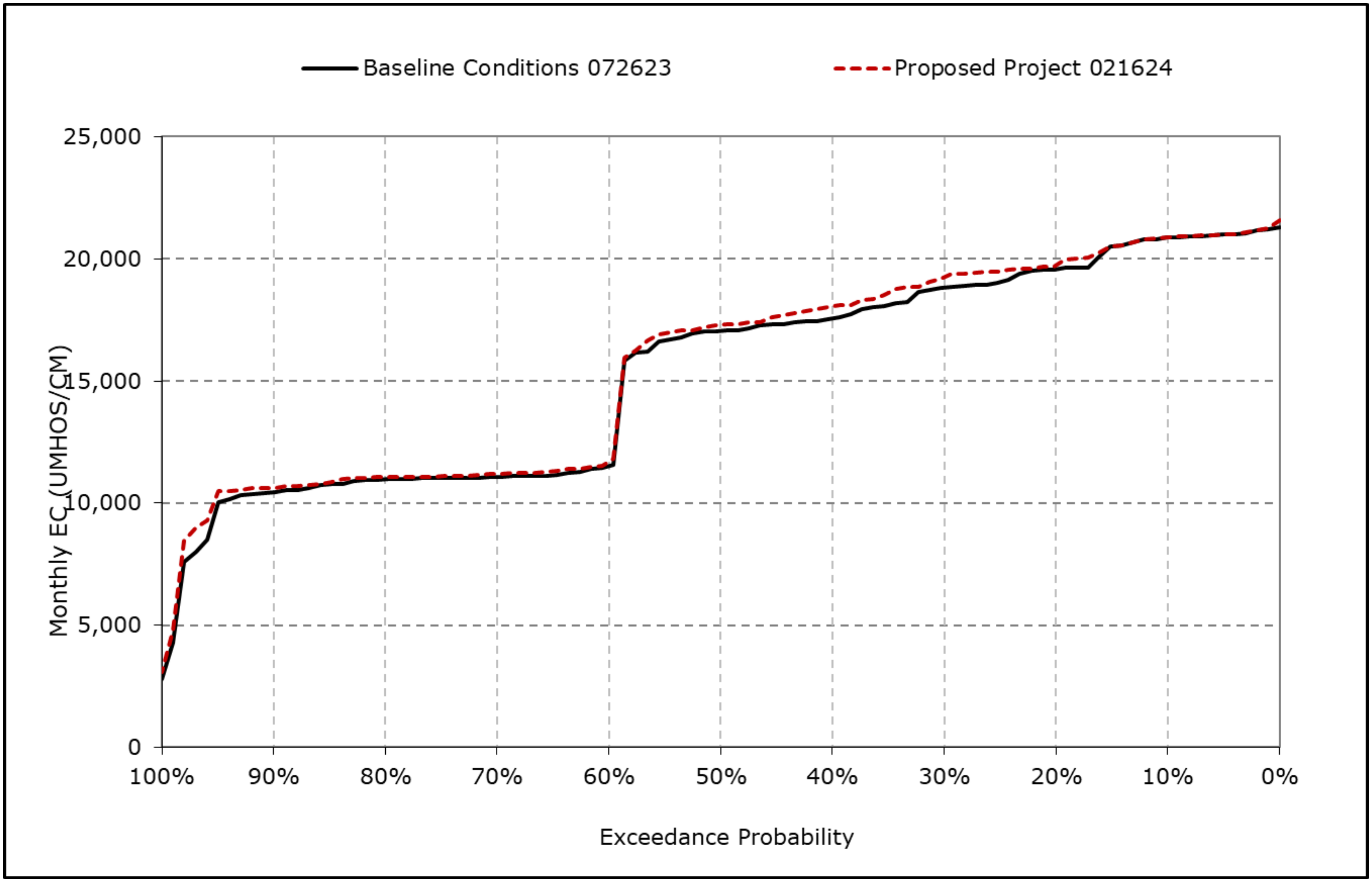
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-10q. Sacramento River at Port Chicago Salinity, August EC



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

Figure 4B-6-10r. Sacramento River at Port Chicago Salinity, September EC



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

Table 4B-6-11-1a. San Joaquin River at Antioch Salinity, Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,733	6,831	5,460	3,785	1,309	936	927	1,390	2,460	3,694	4,505	6,097
20% Exceedance	5,882	6,054	4,982	2,665	771	434	542	854	1,516	2,910	4,171	5,610
30% Exceedance	5,571	5,334	4,263	1,961	590	295	380	669	1,441	2,487	3,855	5,114
40% Exceedance	4,935	5,119	3,710	1,156	383	265	294	424	1,237	2,172	3,435	4,453
50% Exceedance	4,239	3,421	2,878	886	279	252	258	288	887	1,854	3,135	4,135
60% Exceedance	1,210	2,776	1,596	509	255	240	244	269	618	1,252	2,152	1,478
70% Exceedance	1,071	2,567	995	282	243	227	229	241	360	1,052	1,954	1,350
80% Exceedance	1,031	1,981	741	226	223	219	217	214	211	766	1,758	1,285
90% Exceedance	844	924	367	213	210	210	204	189	190	591	1,457	1,192
Full Simulation Period Average[a]	3,561	3,933	2,846	1,428	645	411	427	586	1,091	1,905	2,934	3,496
Wet Water Years (30%)	2,925	2,792	1,120	420	240	217	215	228	338	714	1,491	1,158
Above Normal Years (11%)	3,633	4,110	2,610	624	251	232	236	254	545	992	1,897	1,255
Below Normal Years (21%)	3,102	3,490	3,350	1,491	483	287	301	379	990	1,886	3,197	4,233
Dry Water Years (22%)	3,479	4,246	3,677	2,147	890	505	494	662	1,390	2,773	3,922	5,208
Critical Water Years (16%)	5,422	6,103	4,438	2,801	1,549	934	1,029	1,652	2,599	3,595	4,647	6,101

Table 4B-6-11-1b. San Joaquin River at Antioch Salinity, Proposed Project 021624, Monthly EC (UMHOS/CM)

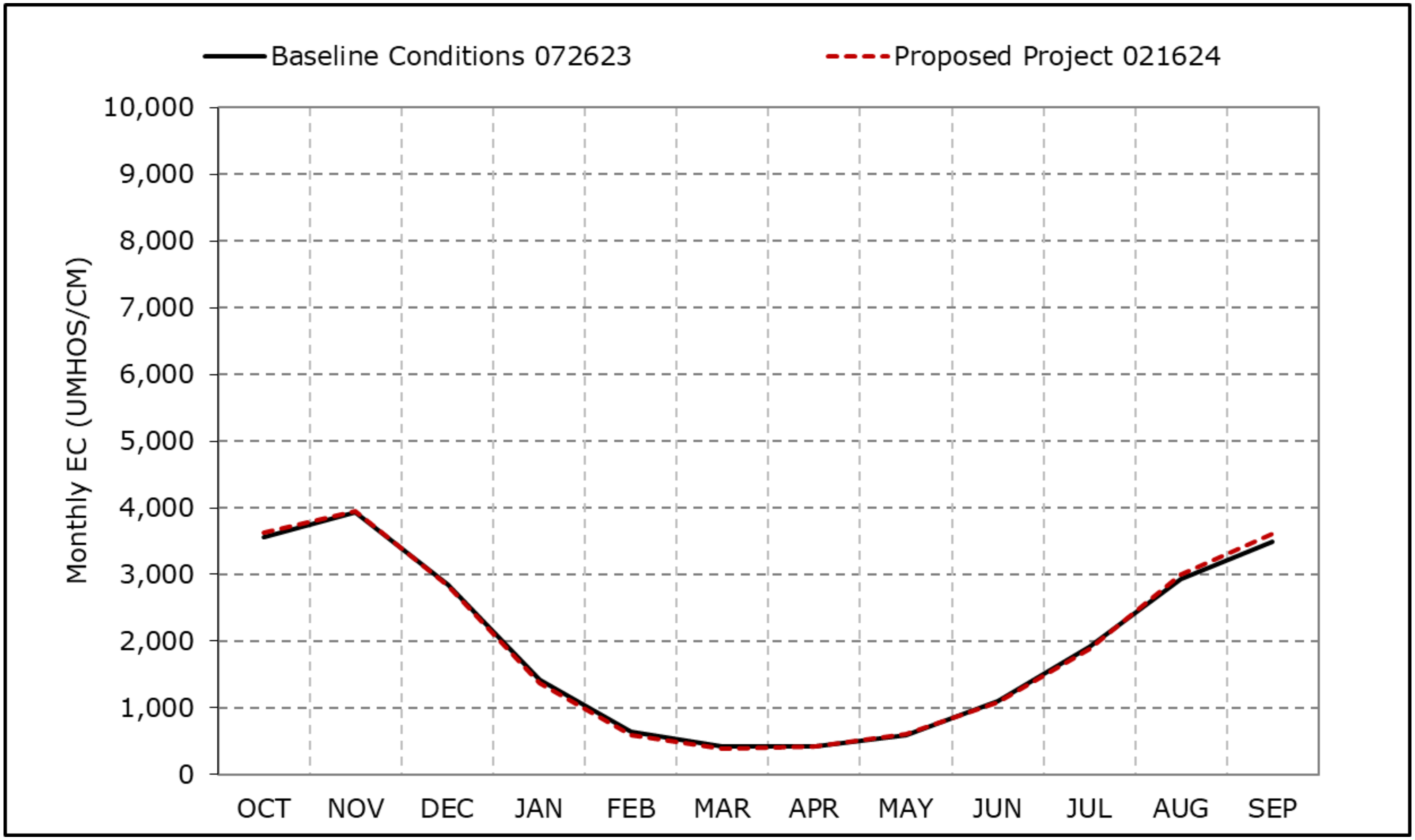
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6,781	6,841	5,517	3,664	1,183	788	928	1,467	2,498	3,728	4,520	6,112
20% Exceedance	5,963	6,112	4,998	2,775	731	422	527	853	1,520	2,955	4,312	5,700
30% Exceedance	5,546	5,340	4,126	1,789	561	288	378	694	1,421	2,485	3,955	5,336
40% Exceedance	5,116	5,145	3,731	1,076	363	264	298	447	1,281	2,020	3,310	4,745
50% Exceedance	4,359	3,544	2,795	896	278	252	259	317	844	1,791	3,035	4,214
60% Exceedance	1,249	2,806	1,568	542	255	240	241	276	605	1,269	2,275	1,588
70% Exceedance	1,105	2,530	1,010	281	243	228	229	243	348	1,024	2,039	1,426
80% Exceedance	1,031	1,936	744	228	224	219	219	210	209	752	1,888	1,375
90% Exceedance	919	929	352	213	210	211	202	189	190	572	1,696	1,249
Full Simulation Period Average[a]	3,628	3,942	2,830	1,373	594	382	420	603	1,088	1,882	2,997	3,612
Wet Water Years (30%)	3,038	2,822	1,128	411	239	217	217	244	333	711	1,624	1,260
Above Normal Years (11%)	3,718	4,067	2,712	639	252	233	234	261	525	971	2,031	1,327
Below Normal Years (21%)	3,097	3,524	3,322	1,423	466	278	292	399	966	1,768	3,065	4,370
Dry Water Years (22%)	3,514	4,250	3,657	2,142	814	430	460	657	1,383	2,789	4,068	5,409
Critical Water Years (16%)	5,528	6,079	4,317	2,556	1,358	867	1,041	1,705	2,644	3,608	4,676	6,127

Table 4B-6-11-1c. San Joaquin River at Antioch Salinity, Proposed Project 021624 minus Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	48	10	58	-121	-126	-148	2	77	38	34	15	15
20% Exceedance	80	59	17	110	-40	-12	-15	-1	4	44	140	90
30% Exceedance	-25	6	-137	-172	-29	-7	-3	25	-20	-2	100	222
40% Exceedance	182	26	21	-79	-20	-1	5	22	44	-151	-125	293
50% Exceedance	120	122	-84	10	-2	-1	1	29	-43	-62	-100	80
60% Exceedance	39	31	-28	33	0	0	-3	7	-14	17	122	110
70% Exceedance	35	-37	15	-1	0	1	1	2	-12	-28	85	76
80% Exceedance	0	-45	3	2	1	0	2	-5	-2	-14	130	90
90% Exceedance	75	5	-15	0	0	1	-1	0	0	-19	239	57
Full Simulation Period Average[a]	67	8	-16	-55	-51	-29	-7	17	-3	-23	64	116
Wet Water Years (30%)	113	30	8	-9	-1	0	2	16	-5	-4	133	103
Above Normal Years (11%)	85	-43	102	15	1	1	-2	7	-20	-21	134	72
Below Normal Years (21%)	-5	34	-28	-67	-17	-9	-8	20	-24	-118	-132	137
Dry Water Years (22%)	35	4	-20	-5	-76	-75	-34	-5	-7	16	146	202
Critical Water Years (16%)	106	-25	-121	-246	-191	-67	12	53	44	13	29	25

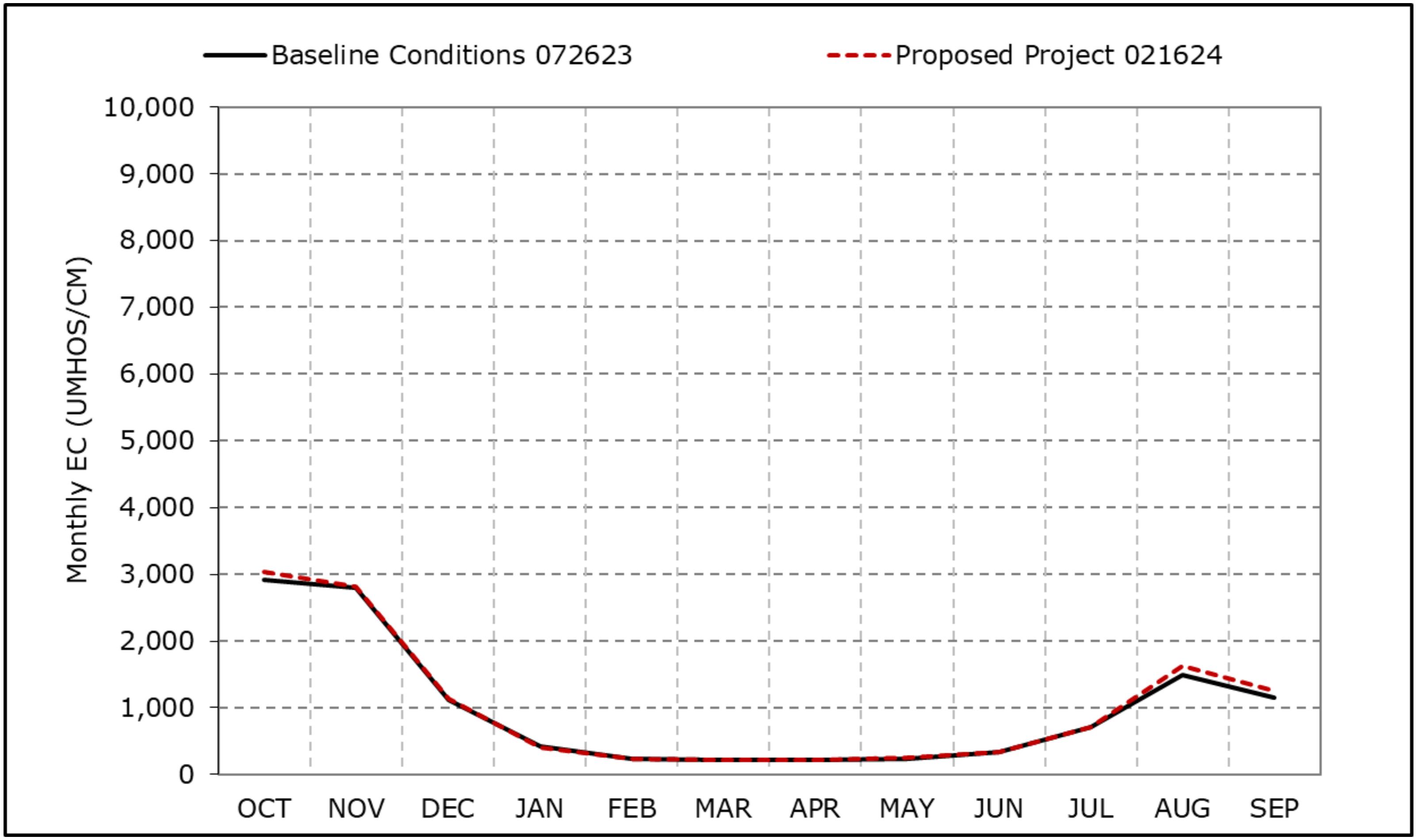
[a] Based on the 100-year simulation period.
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-6-11a. San Joaquin River at Antioch Salinity, Long-Term Average EC



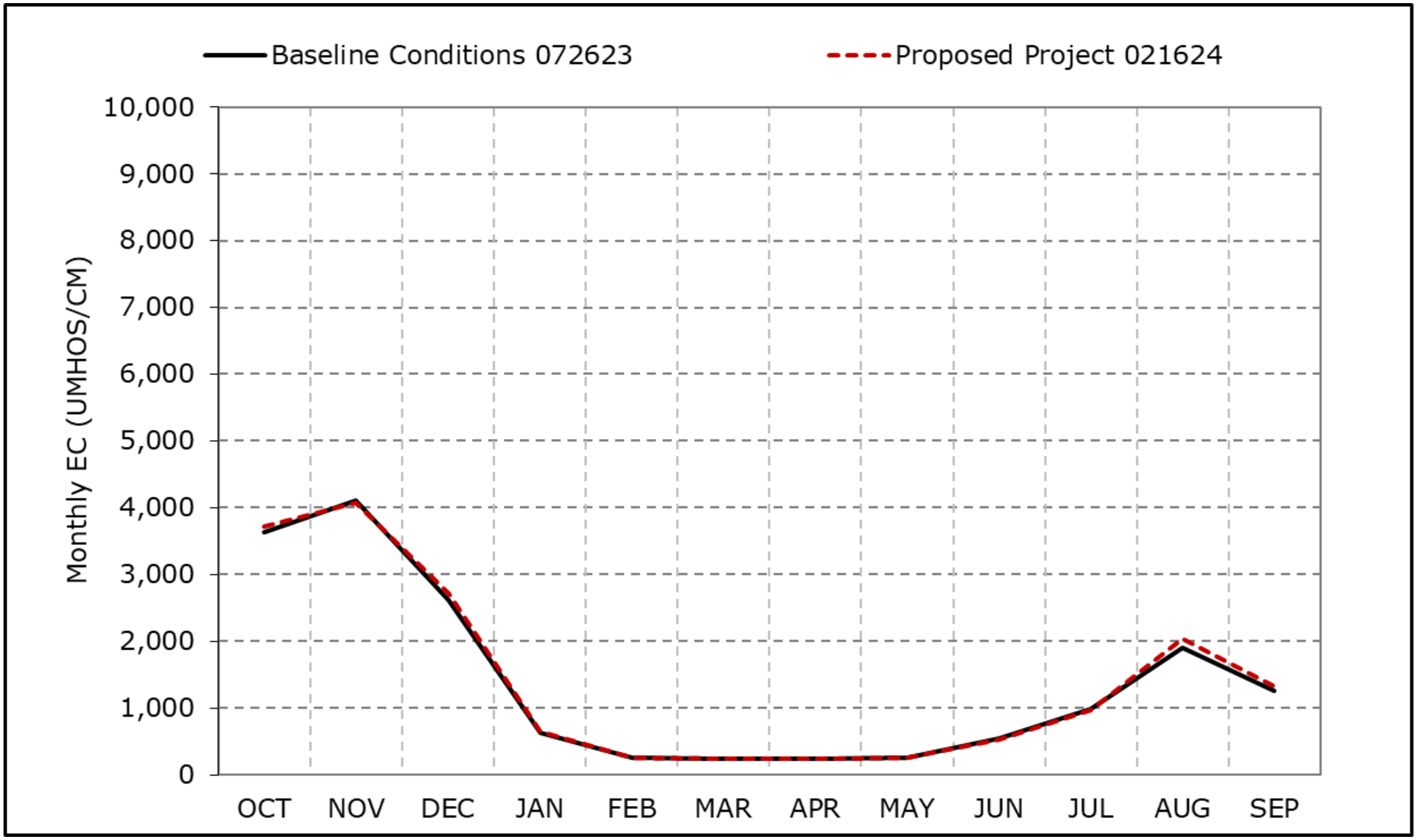
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-11b. San Joaquin River at Antioch Salinity, Wet Year Average EC



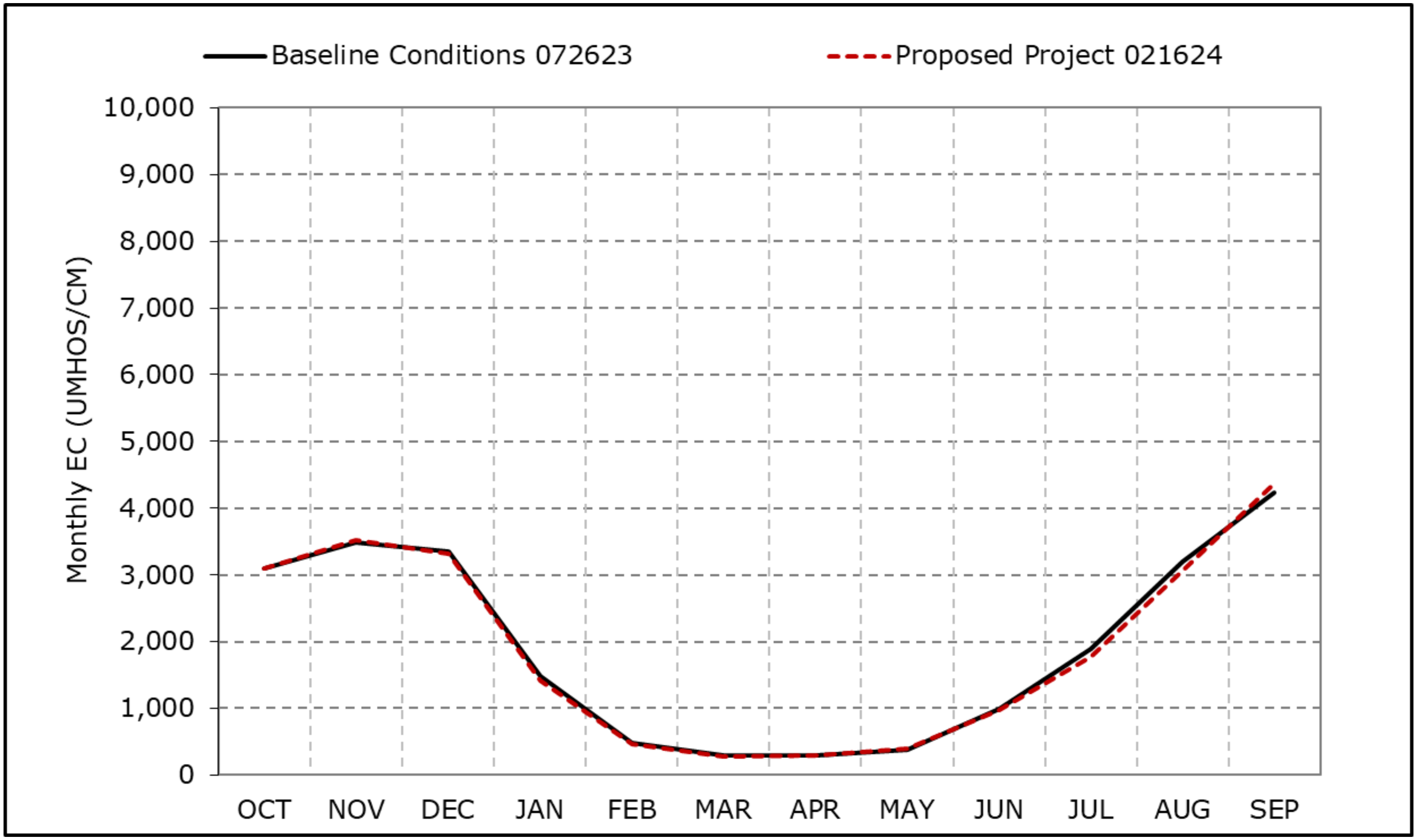
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-11c. San Joaquin River at Antioch Salinity, Above Normal Year Average EC



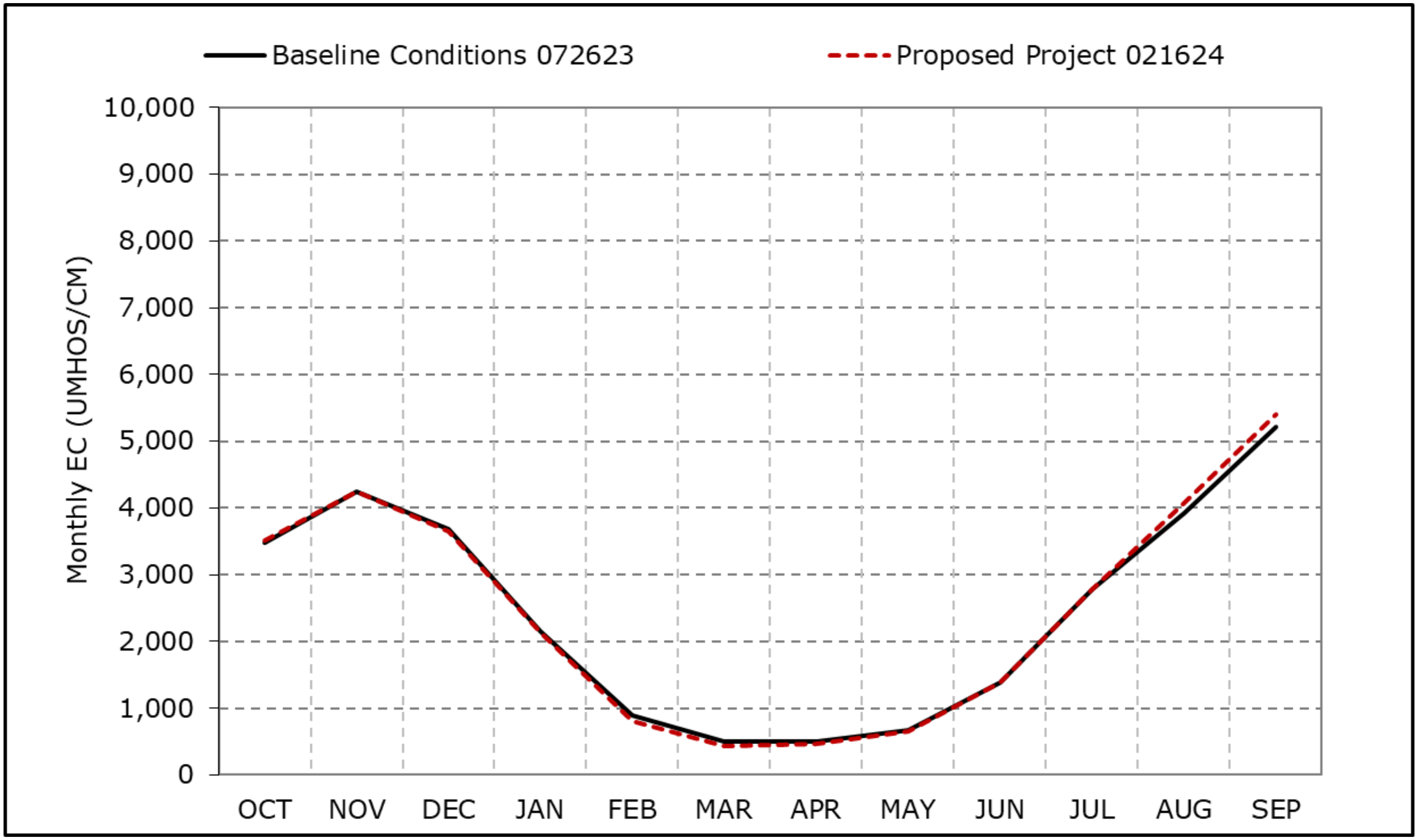
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-11d. San Joaquin River at Antioch Salinity, Below Normal Year Average EC



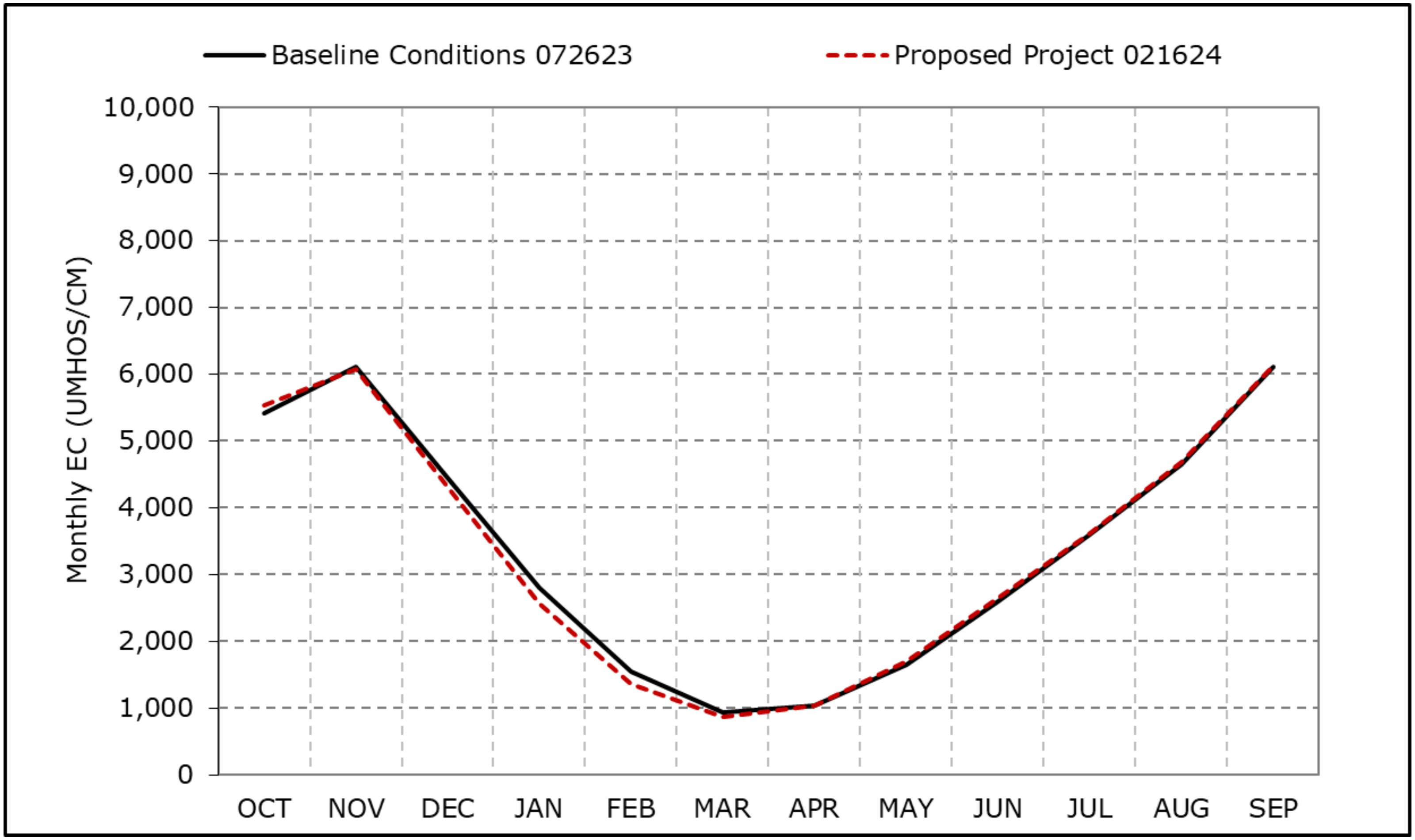
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-11e. San Joaquin River at Antioch Salinity, Dry Year Average EC



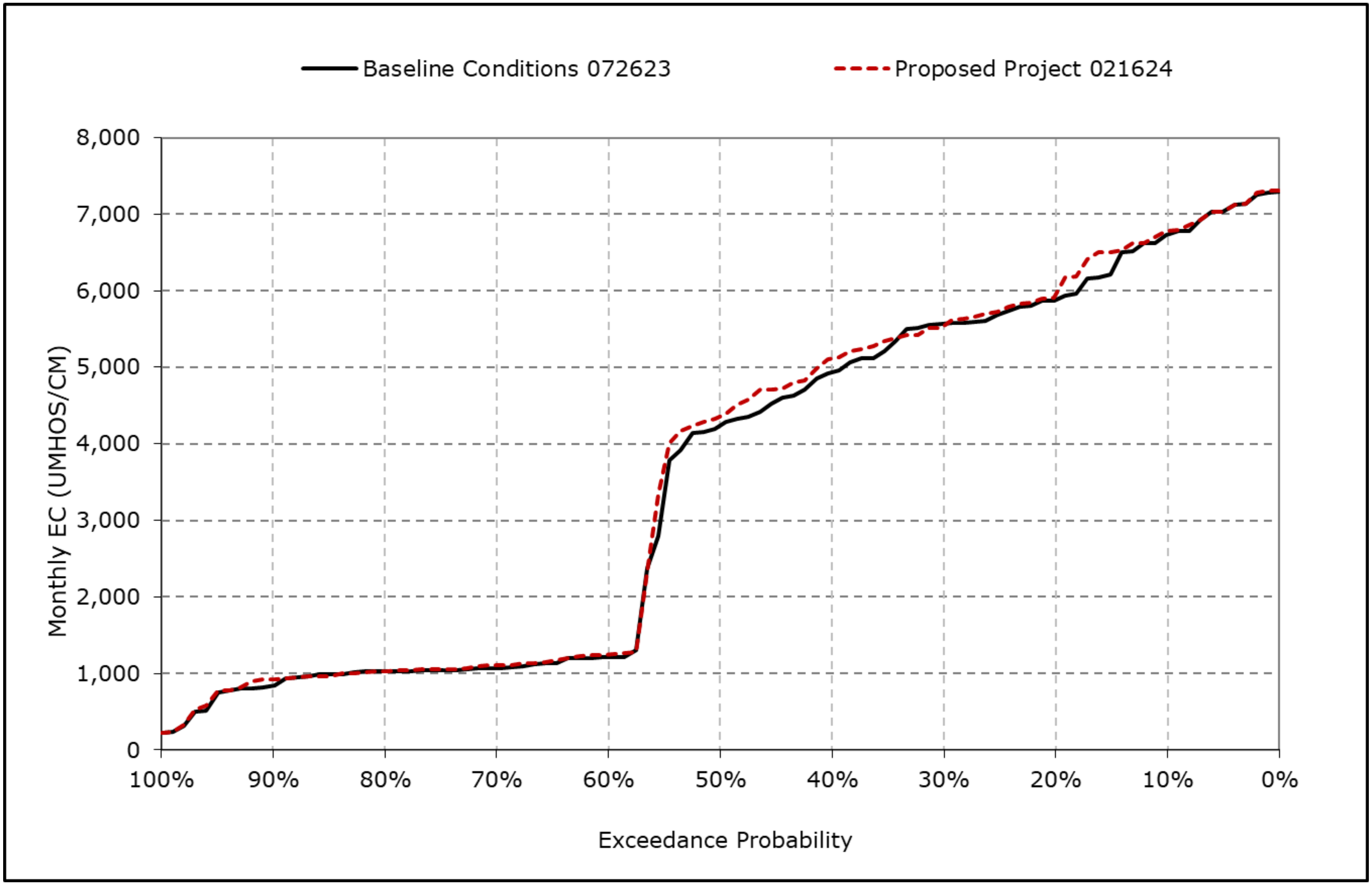
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-11f. San Joaquin River at Antioch Salinity, Critical Year Average EC



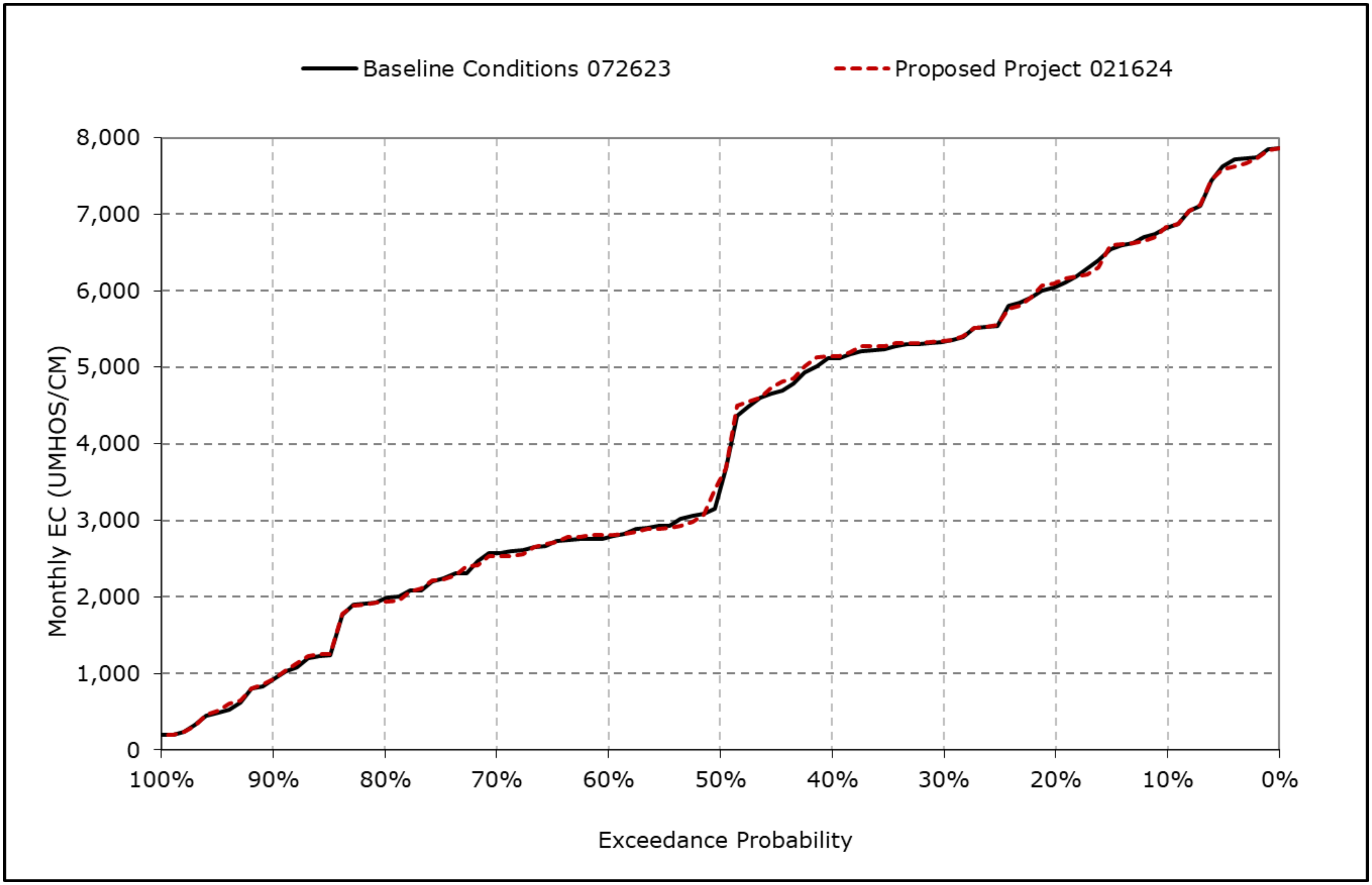
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-11g. San Joaquin River at Antioch Salinity, October EC



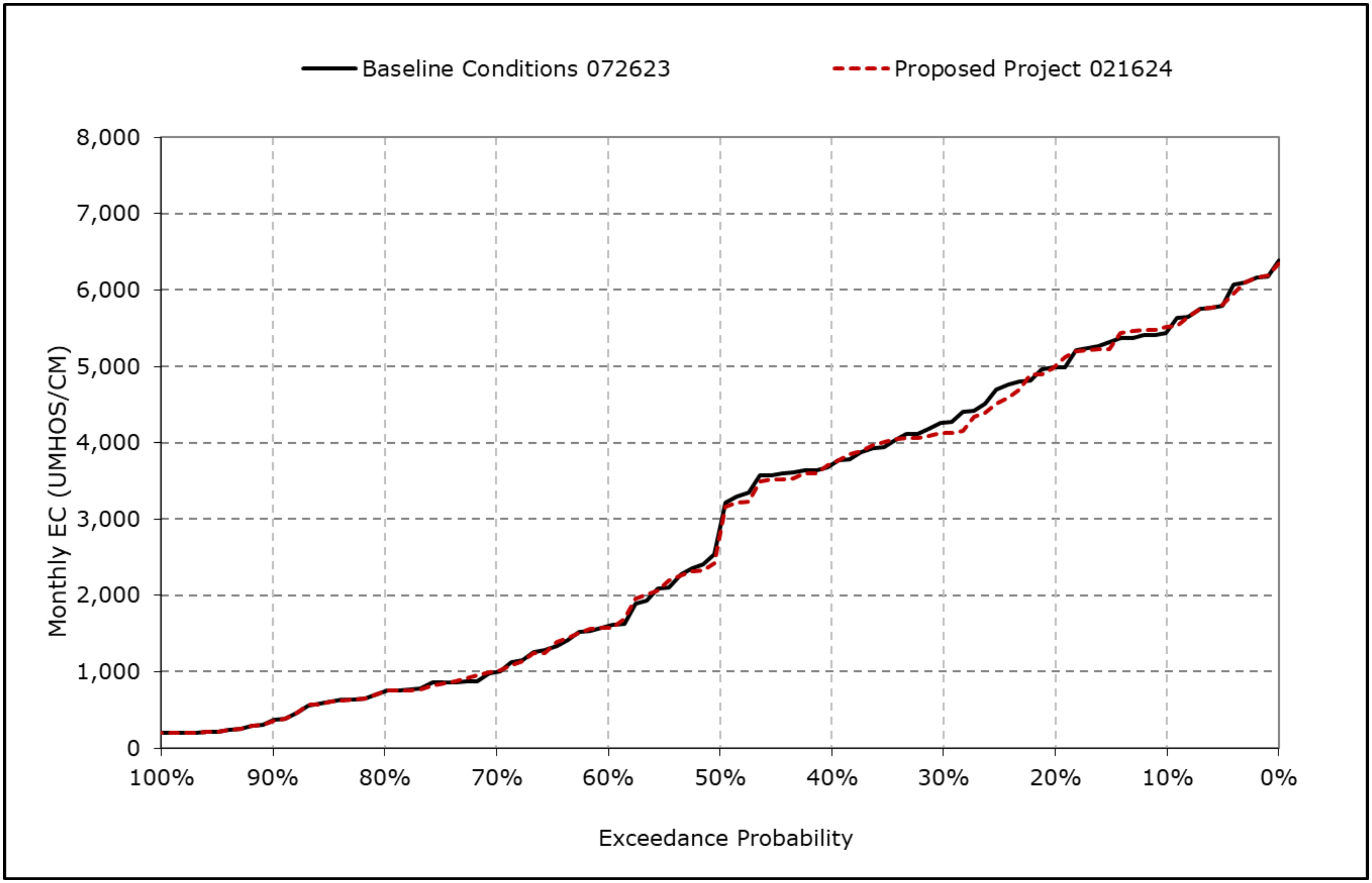
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-11h. San Joaquin River at Antioch Salinity, November EC



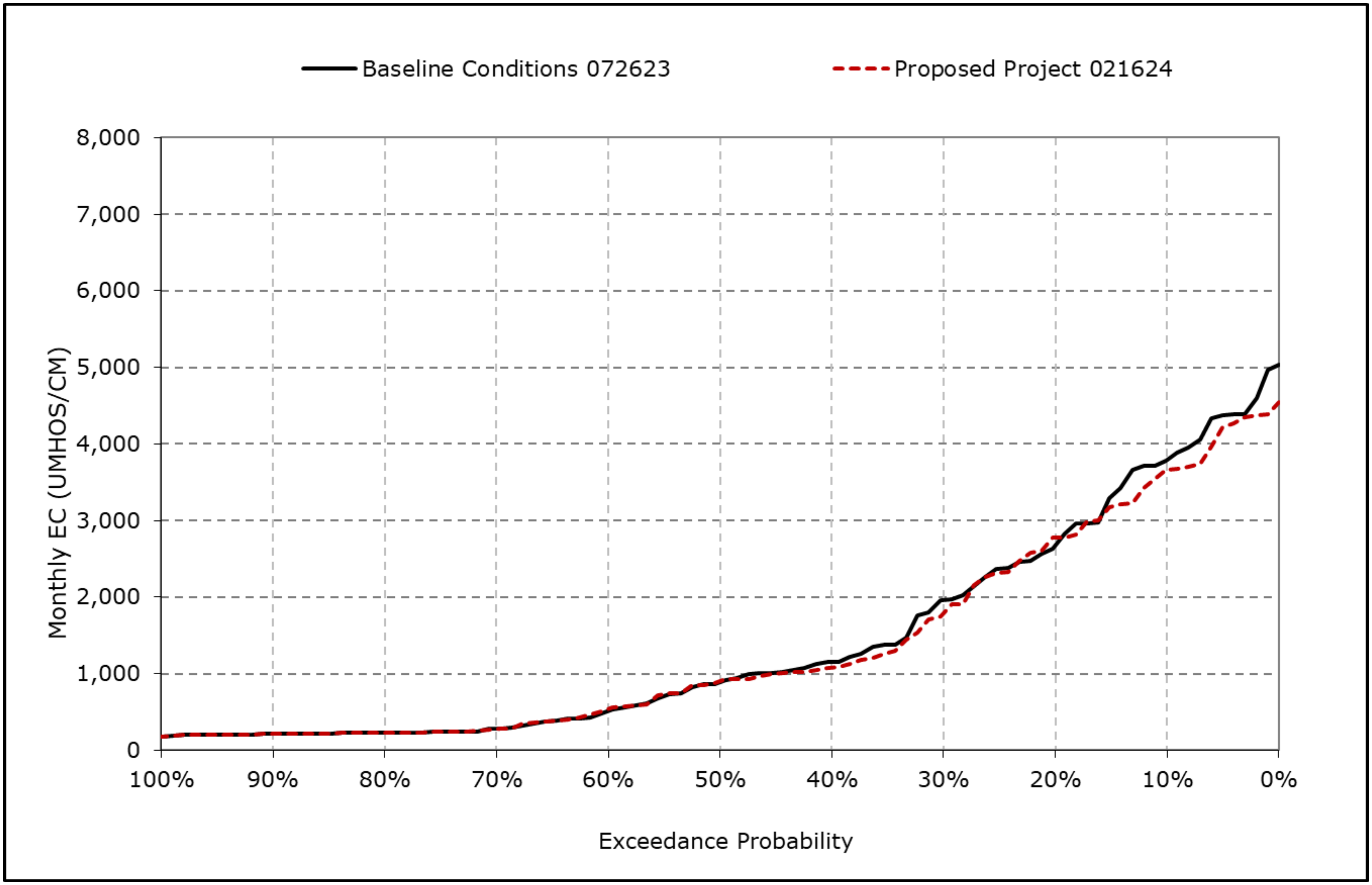
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-11i. San Joaquin River at Antioch Salinity, December EC



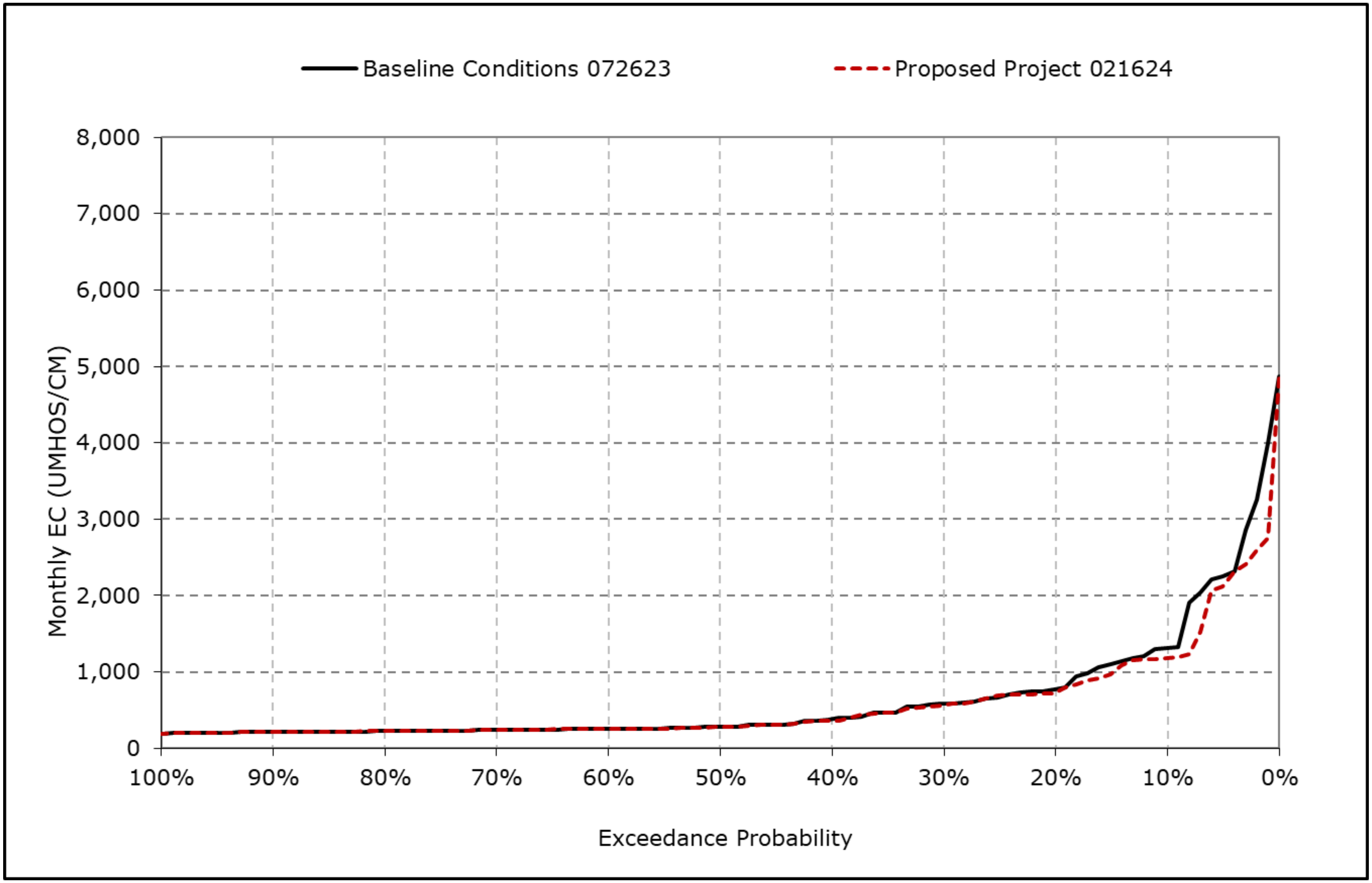
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-11j. San Joaquin River at Antioch Salinity, January EC



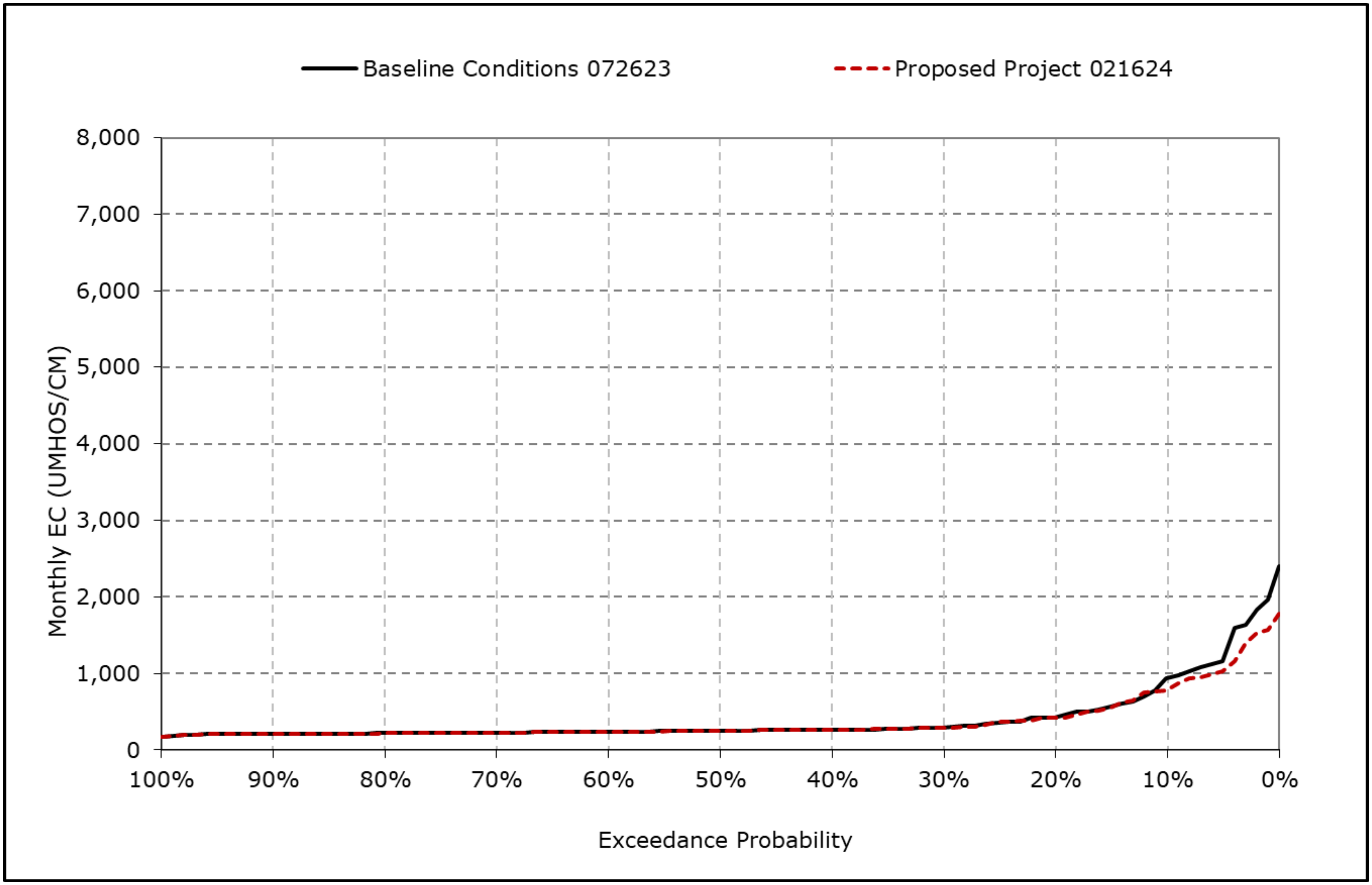
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-11k. San Joaquin River at Antioch Salinity, February EC



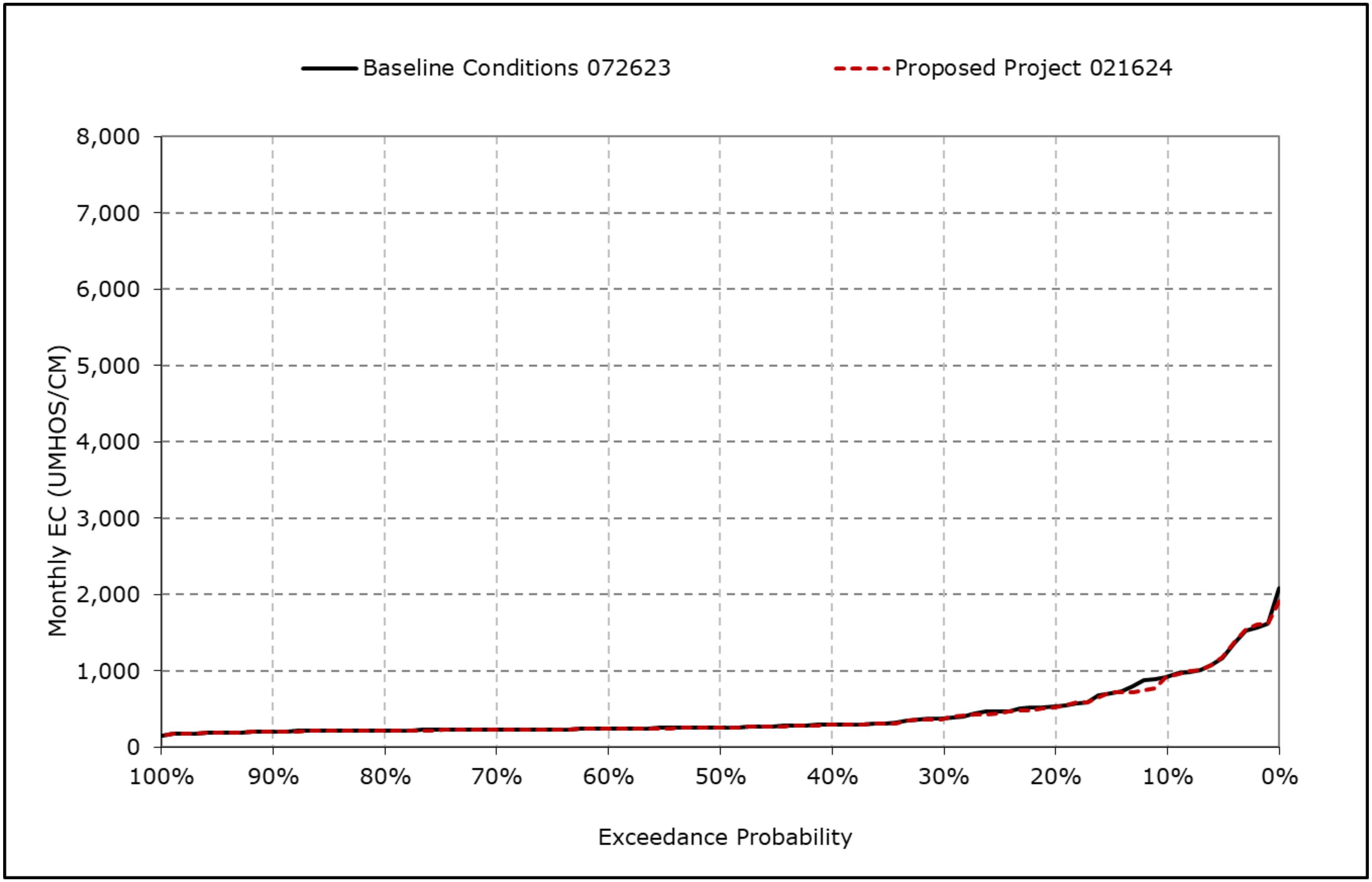
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-11l. San Joaquin River at Antioch Salinity, March EC



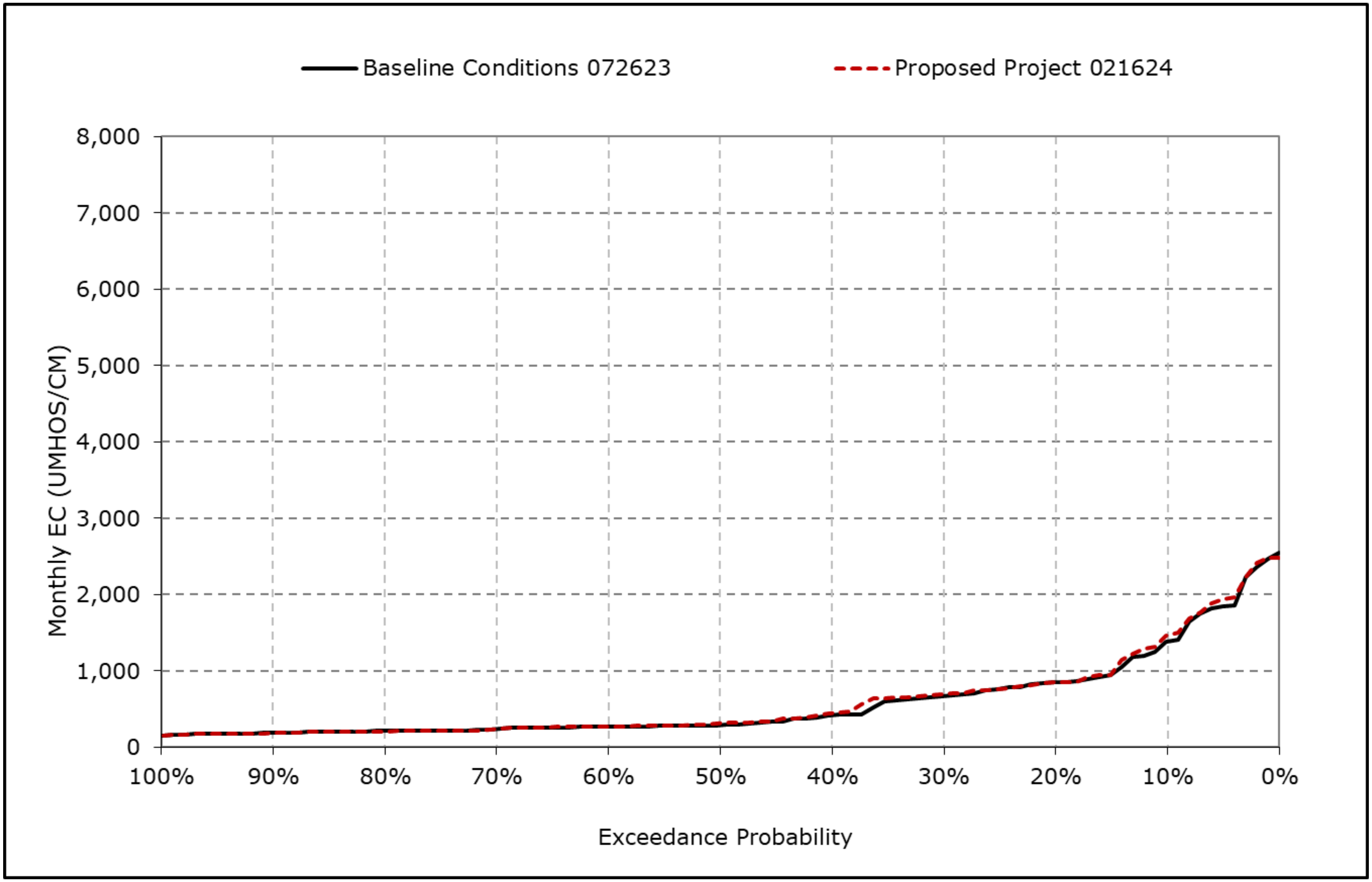
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-11m. San Joaquin River at Antioch Salinity, April EC



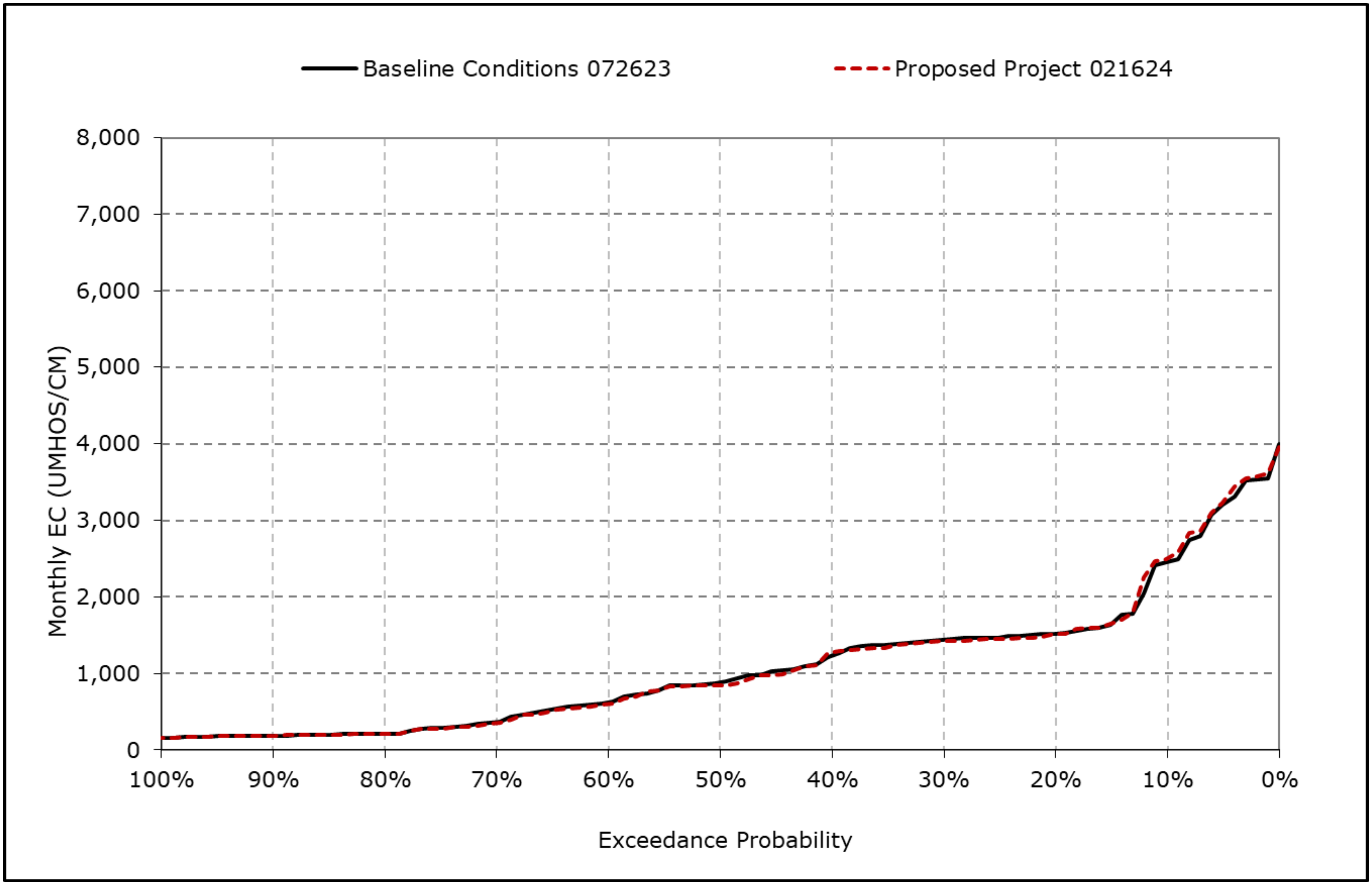
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-11n. San Joaquin River at Antioch Salinity, May EC



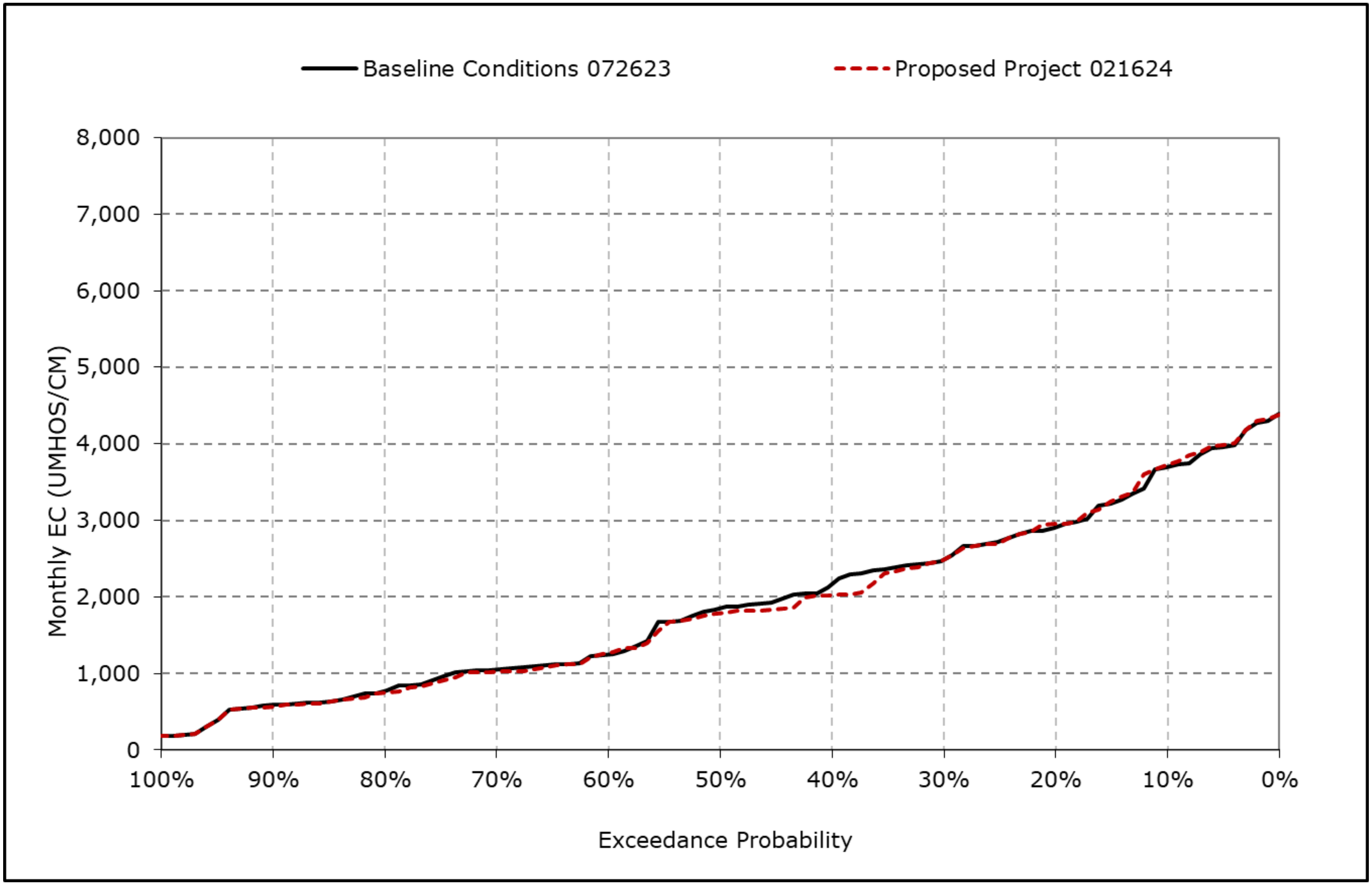
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-11o. San Joaquin River at Antioch Salinity, June EC



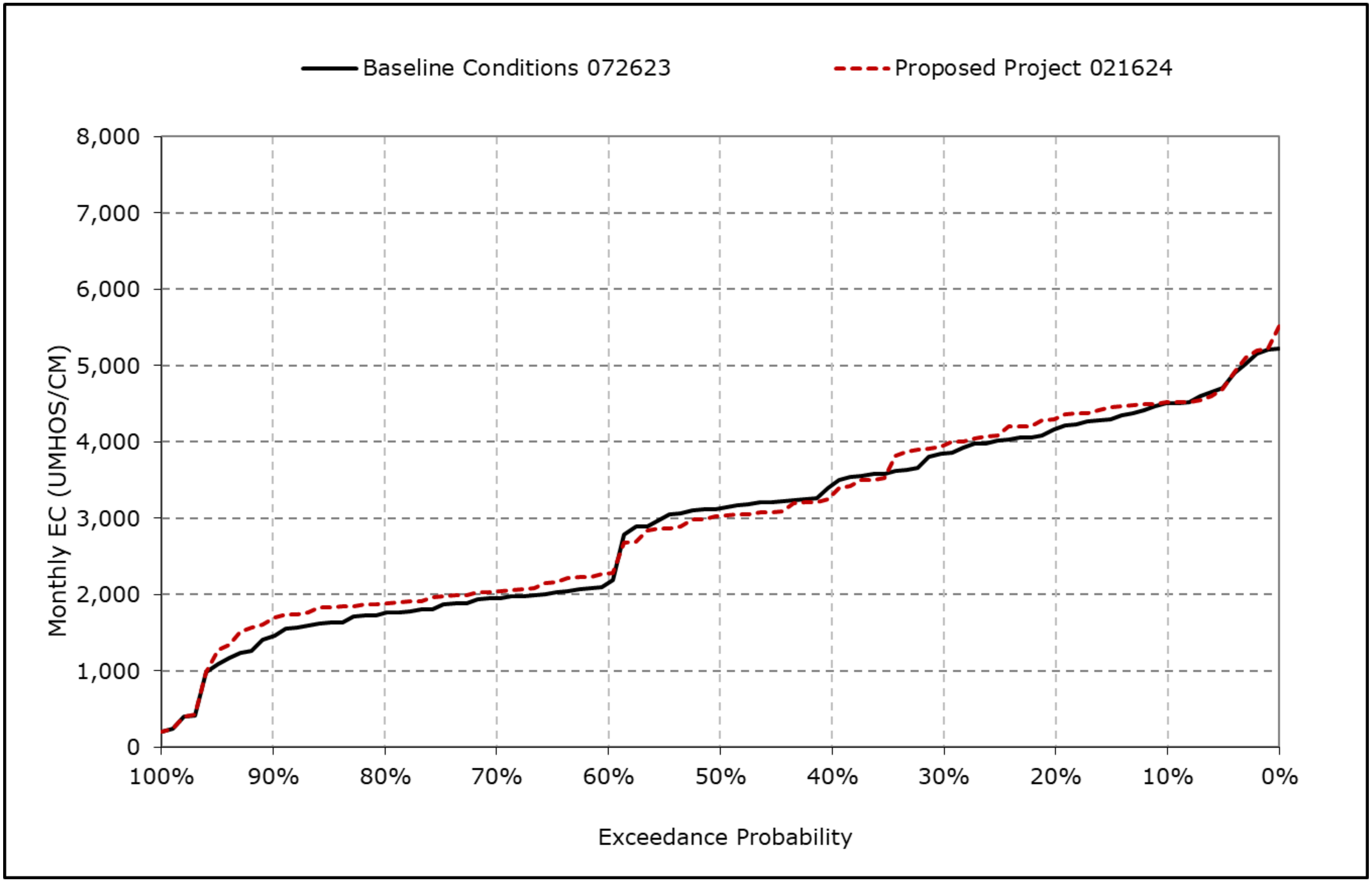
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-11p. San Joaquin River at Antioch Salinity, July EC



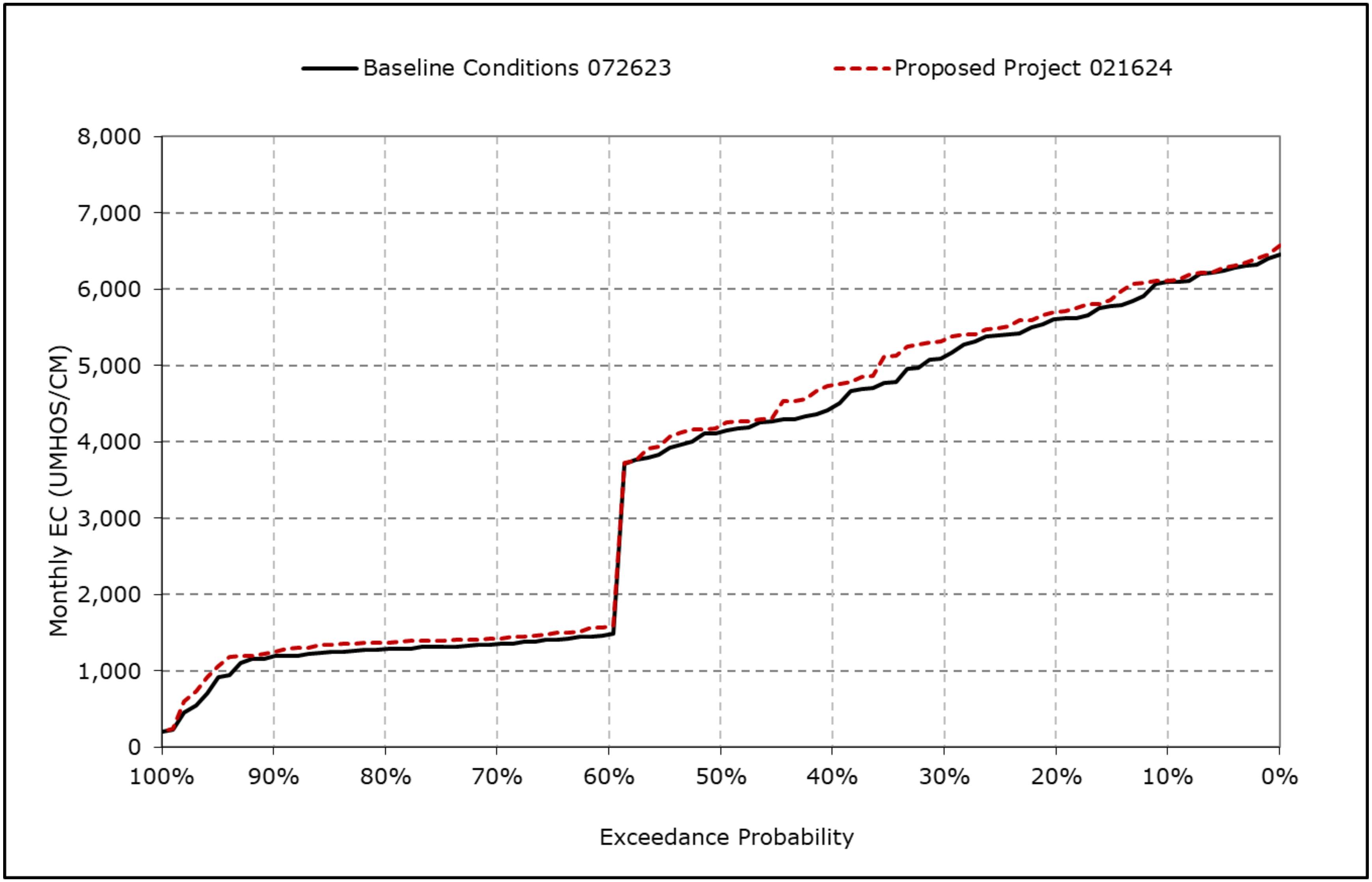
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-11q. San Joaquin River at Antioch Salinity, August EC



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

Figure 4B-6-11r. San Joaquin River at Antioch Salinity, September EC



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

Table 4B-6-12-1a. San Joaquin River at Jersey Point Salinity, Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,007	2,212	2,144	1,565	728	340	313	372	578	1,120	1,438	1,804
20% Exceedance	1,836	1,945	2,043	1,246	456	284	281	299	394	956	1,282	1,747
30% Exceedance	1,708	1,806	1,917	931	354	263	265	286	377	823	1,228	1,708
40% Exceedance	1,592	1,695	1,777	724	288	250	251	274	334	724	1,161	1,656
50% Exceedance	1,519	1,405	1,519	503	268	241	246	258	285	627	1,084	1,536
60% Exceedance	425	1,042	923	343	251	231	240	240	254	423	752	622
70% Exceedance	342	908	636	260	230	226	231	227	221	350	672	543
80% Exceedance	313	713	466	228	216	221	222	214	205	284	562	516
90% Exceedance	271	379	288	213	211	210	206	187	187	225	392	392
Full Simulation Period Average[a]	1,140	1,358	1,304	706	381	270	257	274	338	633	953	1,187
Wet Water Years (30%)	1,013	1,062	674	310	229	216	211	202	204	279	497	450
Above Normal Years (11%)	1,120	1,476	1,268	452	245	230	243	234	239	342	633	497
Below Normal Years (21%)	981	1,183	1,466	768	330	250	257	265	312	677	1,209	1,760
Dry Water Years (22%)	1,109	1,421	1,683	987	474	294	265	281	373	989	1,279	1,626
Critical Water Years (16%)	1,644	1,979	1,774	1,157	698	392	343	440	645	951	1,244	1,685

Table 4B-6-12-1b. San Joaquin River at Jersey Point Salinity, Proposed Project 021624, Monthly EC (UMHOS/CM)

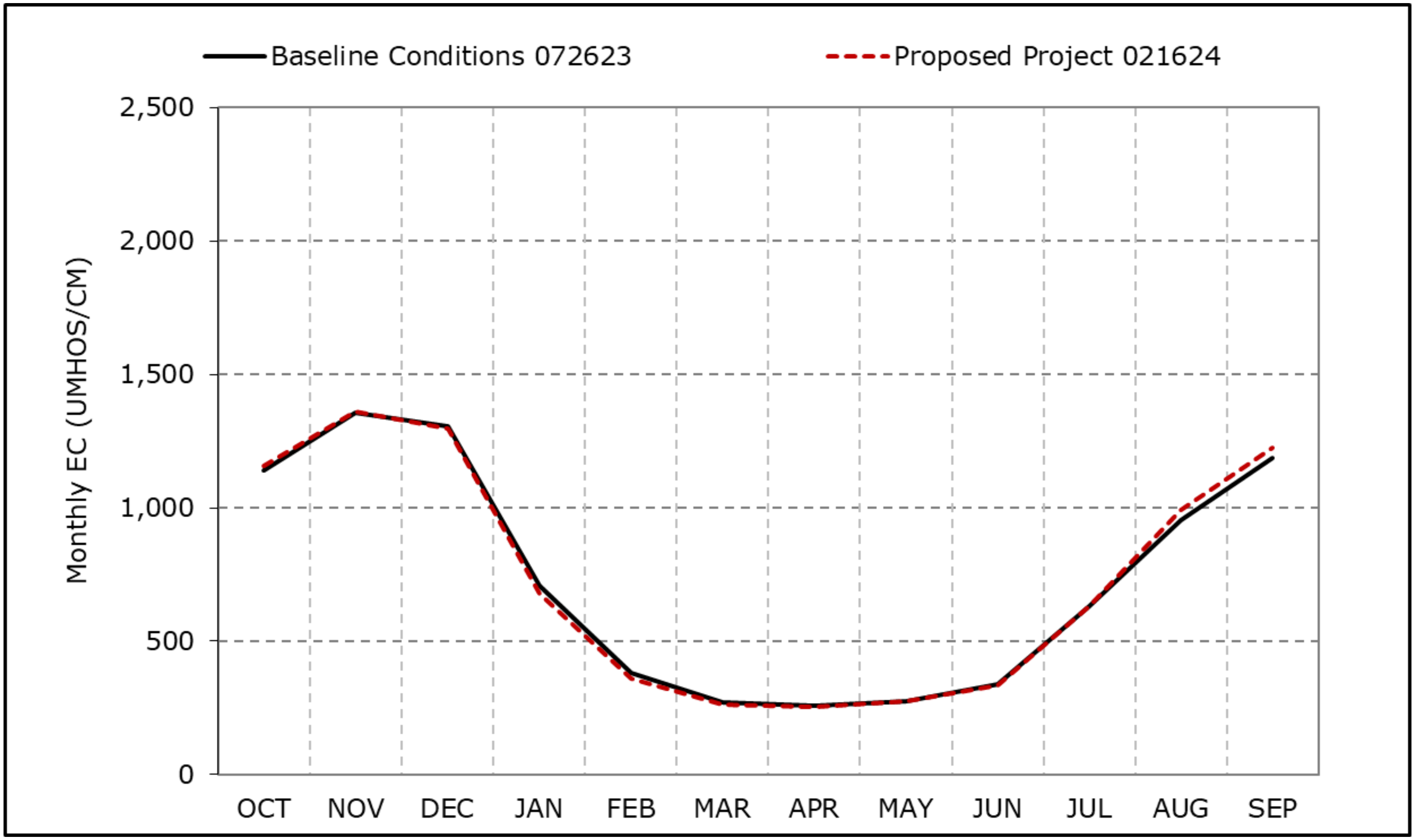
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,025	2,170	2,153	1,472	647	328	312	387	591	1,154	1,492	1,824
20% Exceedance	1,893	1,940	2,047	1,166	456	281	279	296	379	955	1,322	1,769
30% Exceedance	1,707	1,811	1,917	915	339	264	262	284	362	801	1,212	1,703
40% Exceedance	1,615	1,715	1,762	677	291	252	253	266	332	705	1,161	1,659
50% Exceedance	1,517	1,498	1,450	496	265	241	243	255	272	618	1,104	1,597
60% Exceedance	442	1,012	909	356	252	233	237	232	247	417	810	719
70% Exceedance	356	921	651	264	229	227	232	225	220	342	715	633
80% Exceedance	313	738	481	228	218	221	219	211	203	281	647	560
90% Exceedance	286	398	290	213	211	210	204	187	187	225	485	456
Full Simulation Period Average[a]	1,155	1,359	1,297	678	361	263	255	273	335	631	993	1,226
Wet Water Years (30%)	1,039	1,084	681	306	228	216	210	201	203	277	546	522
Above Normal Years (11%)	1,150	1,449	1,315	460	246	232	241	229	233	346	709	559
Below Normal Years (21%)	973	1,189	1,459	737	323	251	256	259	300	646	1,175	1,741
Dry Water Years (22%)	1,098	1,418	1,658	970	443	277	259	278	365	1,009	1,372	1,683
Critical Water Years (16%)	1,695	1,954	1,733	1,048	624	368	340	448	655	954	1,265	1,703

Table 4B-6-12-1c. San Joaquin River at Jersey Point Salinity, Proposed Project 021624 minus Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	18	-42	9	-94	-81	-12	0	16	13	35	54	20
20% Exceedance	57	-5	4	-80	0	-3	-2	-3	-14	-1	40	22
30% Exceedance	-1	4	0	-16	-15	1	-4	-1	-15	-22	-16	-5
40% Exceedance	23	20	-14	-47	2	2	2	-8	-2	-20	0	4
50% Exceedance	-2	94	-68	-6	-3	0	-3	-2	-13	-9	20	61
60% Exceedance	17	-30	-14	13	1	1	-2	-8	-6	-6	59	97
70% Exceedance	14	14	15	3	-1	1	2	-2	-2	-8	43	90
80% Exceedance	1	25	16	0	1	-1	-3	-3	-2	-2	84	44
90% Exceedance	16	19	2	0	0	0	-1	0	0	0	93	64
Full Simulation Period Average[a]	15	1	-7	-28	-20	-7	-3	-1	-4	-2	39	40
Wet Water Years (30%)	25	22	6	-4	0	0	-1	-1	-2	-2	48	71
Above Normal Years (11%)	30	-26	47	8	1	2	-2	-5	-6	4	76	61
Below Normal Years (21%)	-8	6	-7	-30	-7	1	-1	-5	-12	-31	-34	-19
Dry Water Years (22%)	-11	-2	-25	-17	-32	-18	-6	-3	-8	20	93	58
Critical Water Years (16%)	51	-25	-41	-109	-74	-24	-3	8	10	3	21	19

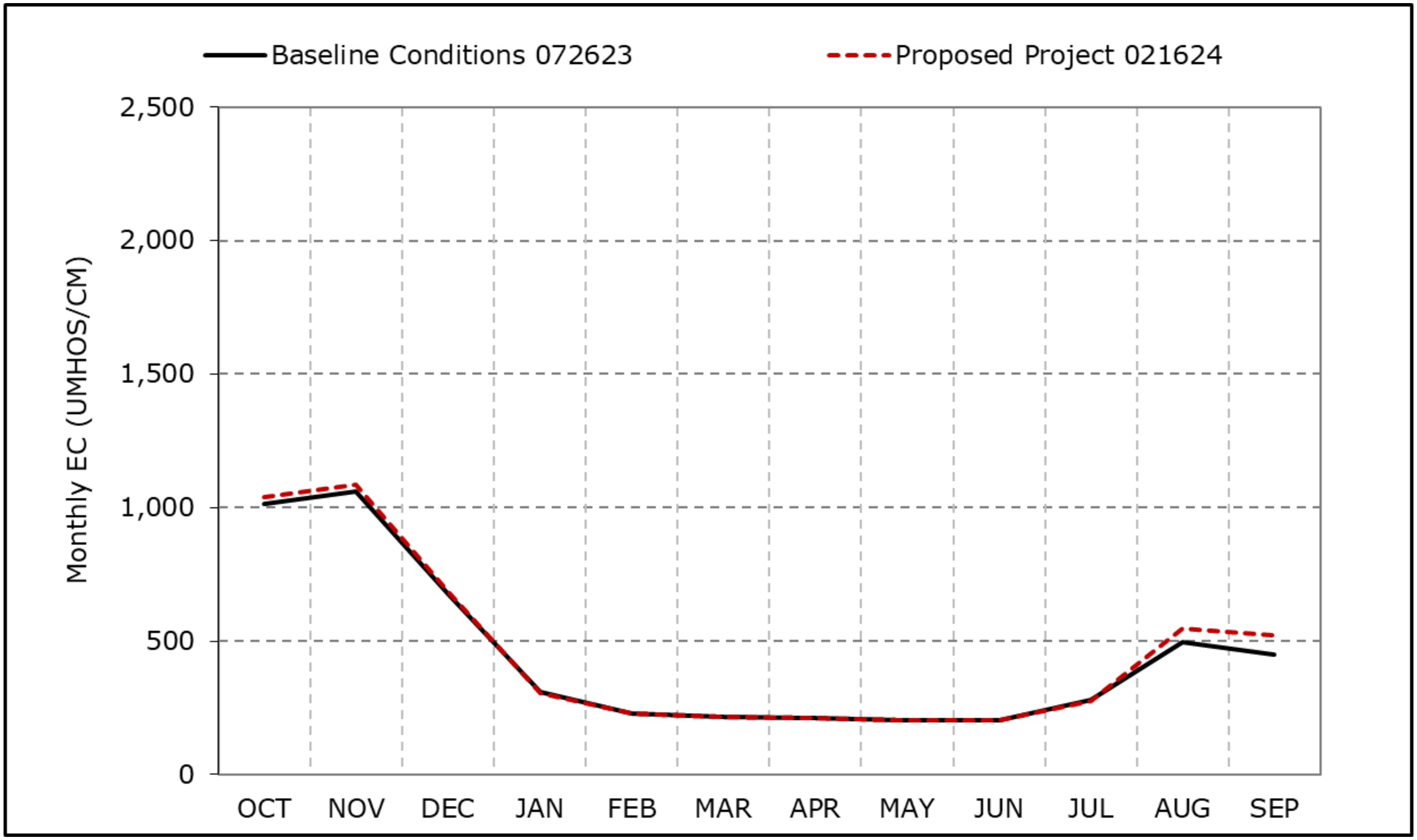
[a] Based on the 100-year simulation period.
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-6-12a. San Joaquin River at Jersey Point Salinity, Long-Term Average EC



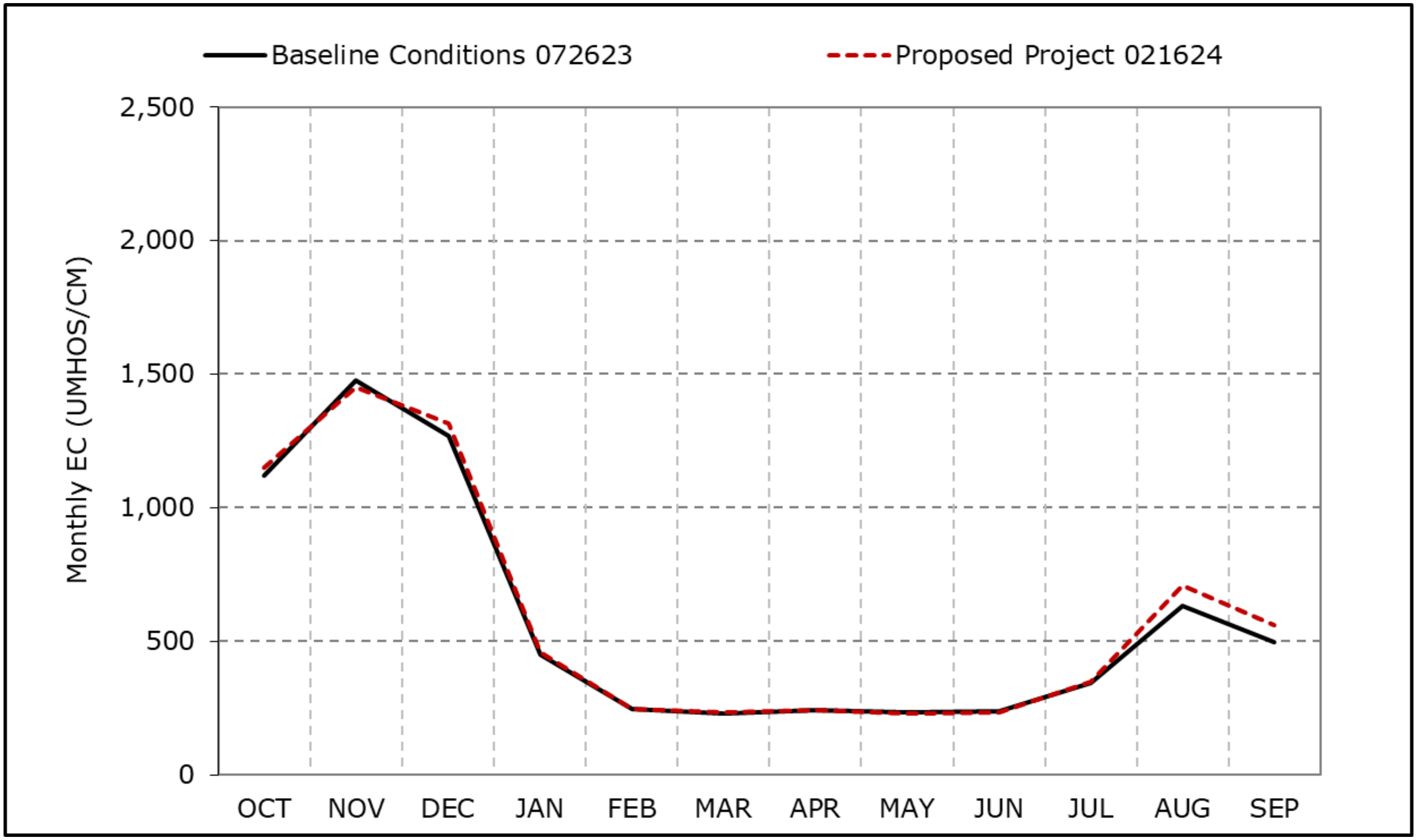
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-12b. San Joaquin River at Jersey Point Salinity, Wet Year Average EC



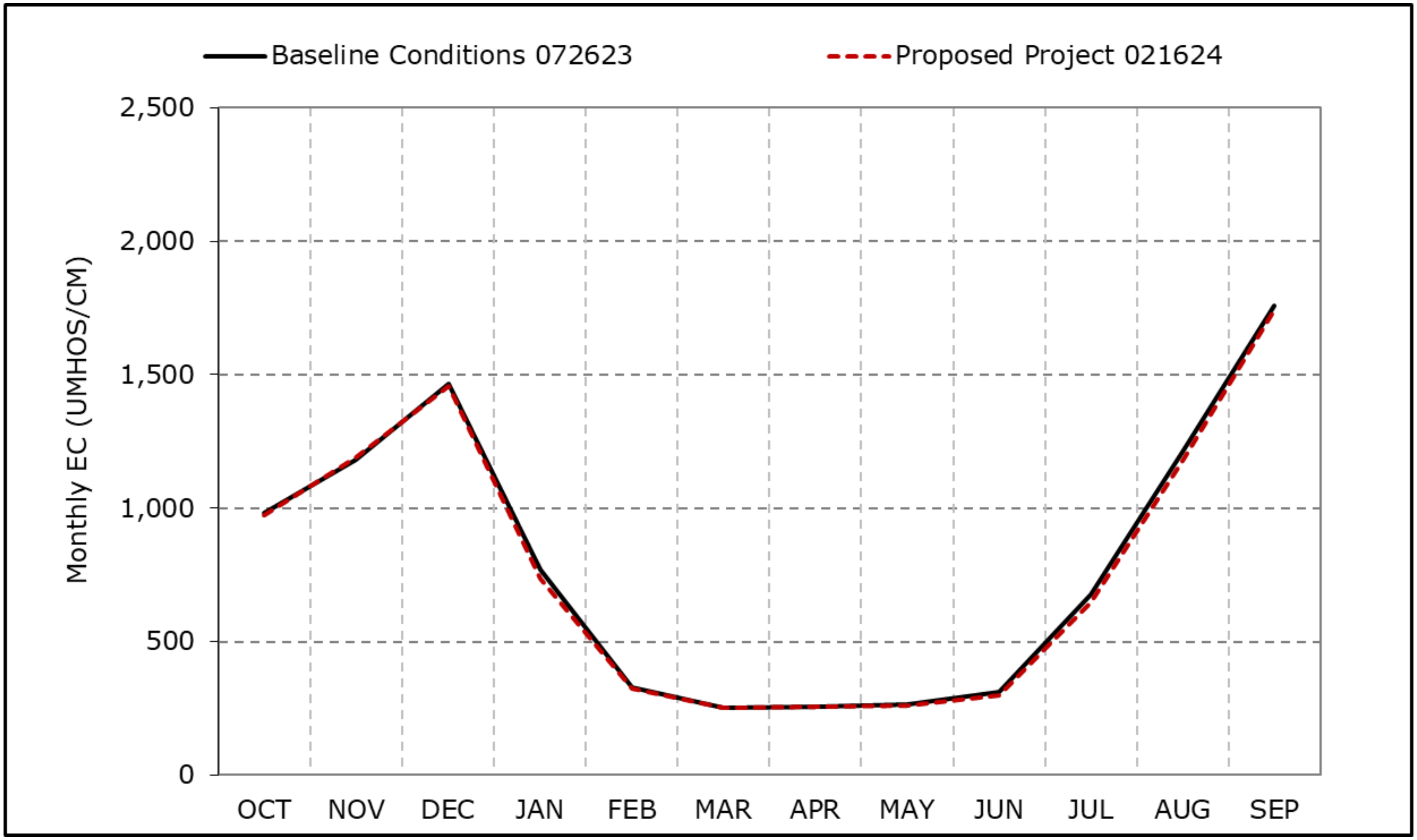
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-12c. San Joaquin River at Jersey Point Salinity, Above Normal Year Average EC



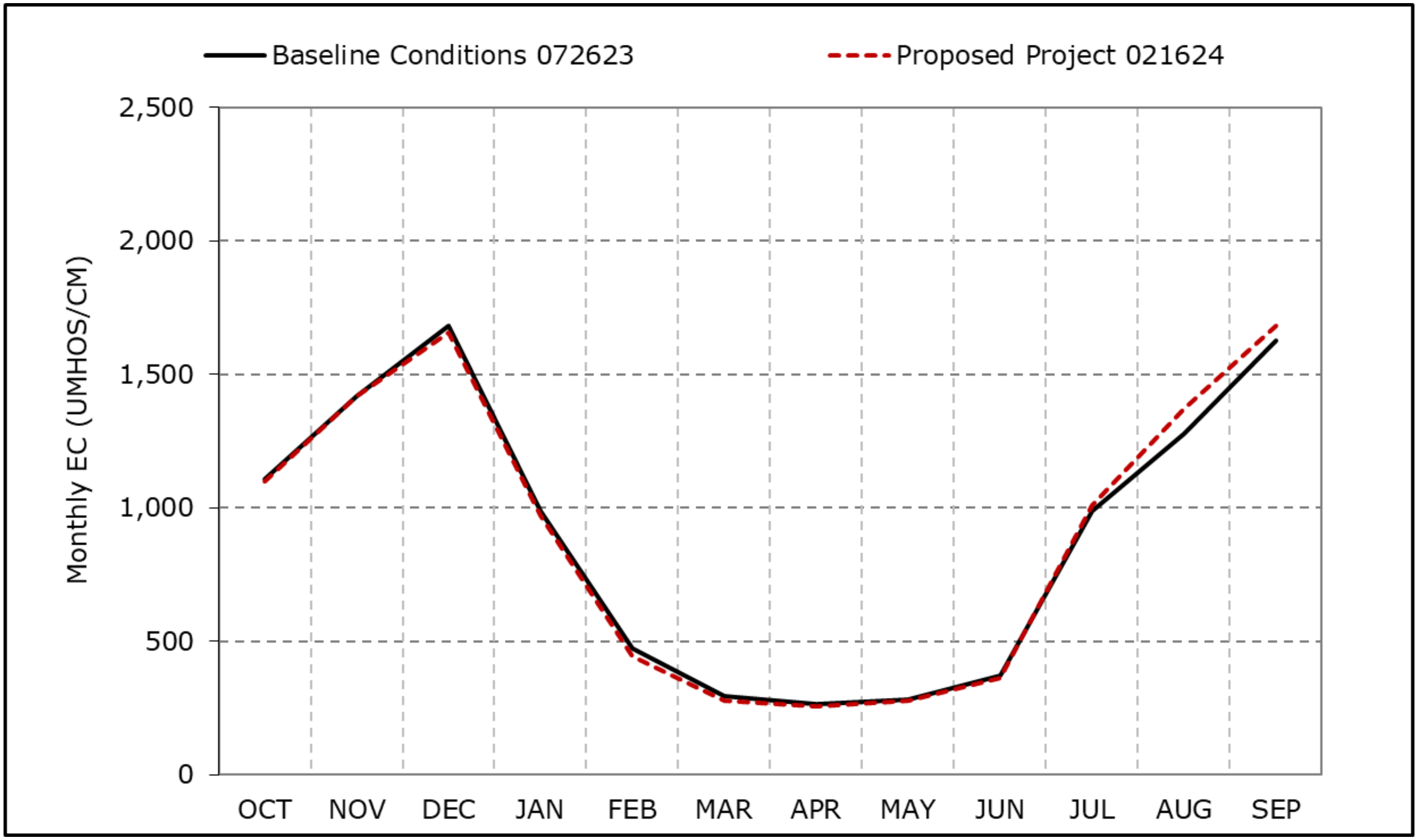
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-12d. San Joaquin River at Jersey Point Salinity, Below Normal Year Average EC



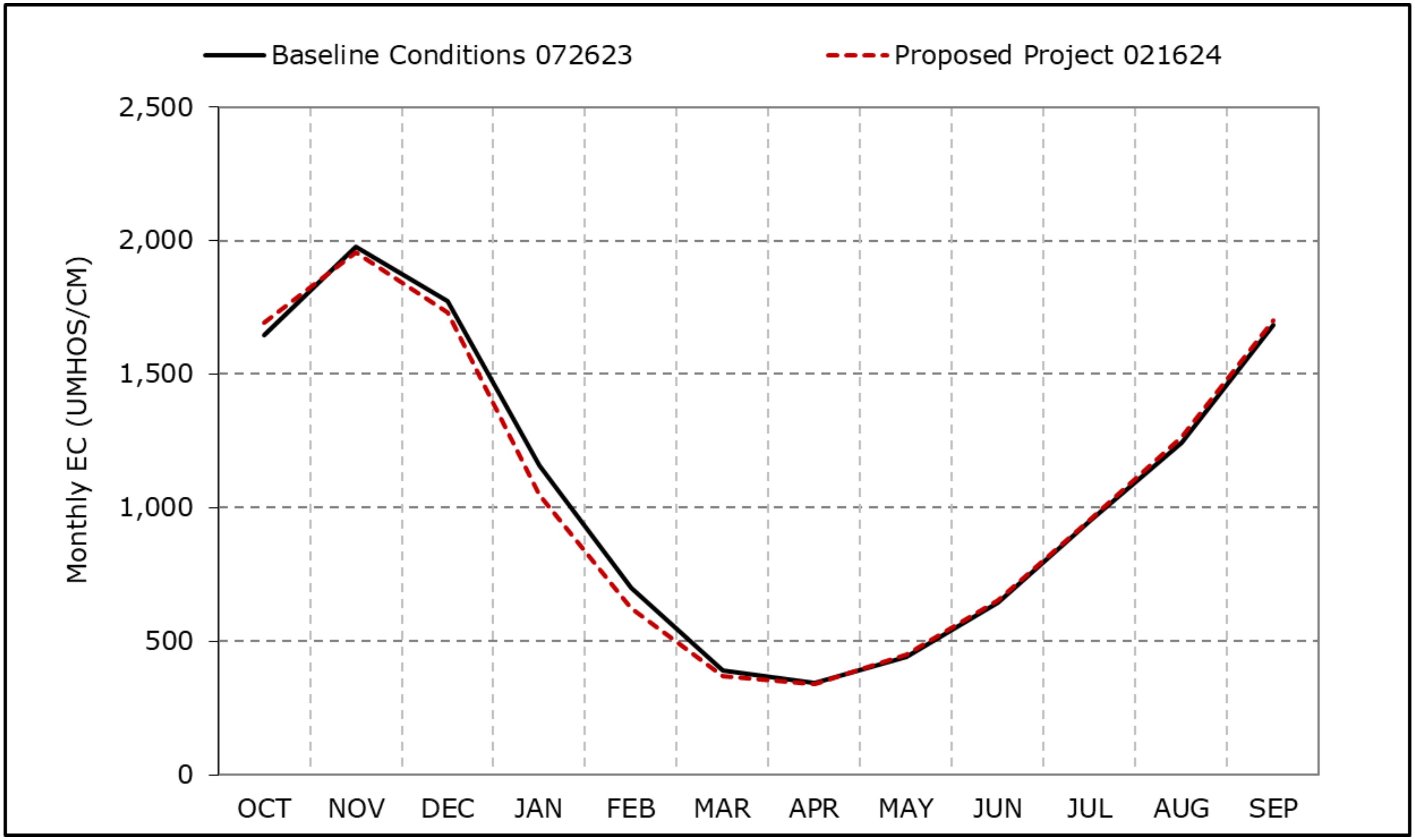
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-12e. San Joaquin River at Jersey Point Salinity, Dry Year Average EC



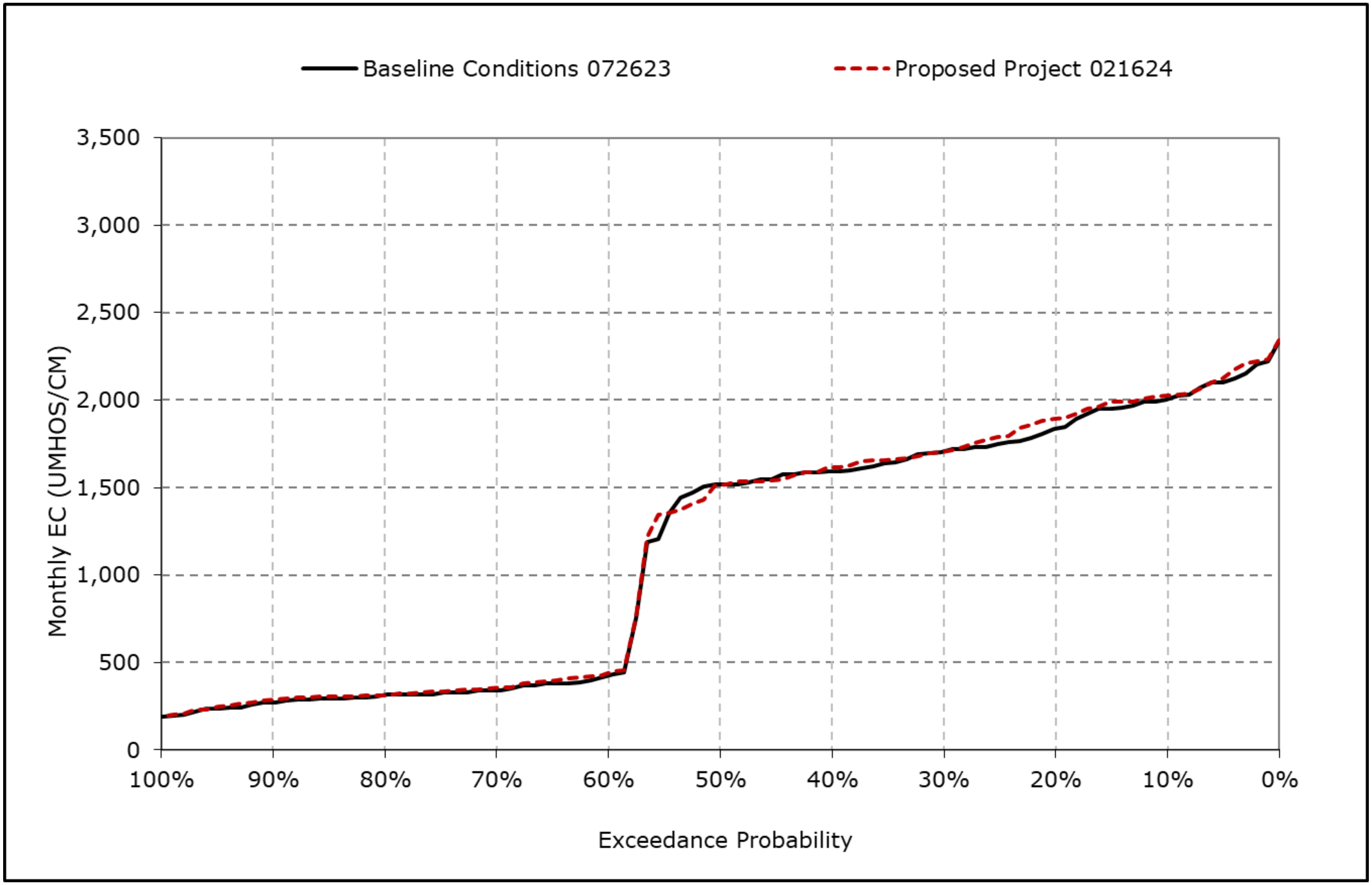
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-12f. San Joaquin River at Jersey Point Salinity, Critical Year Average EC



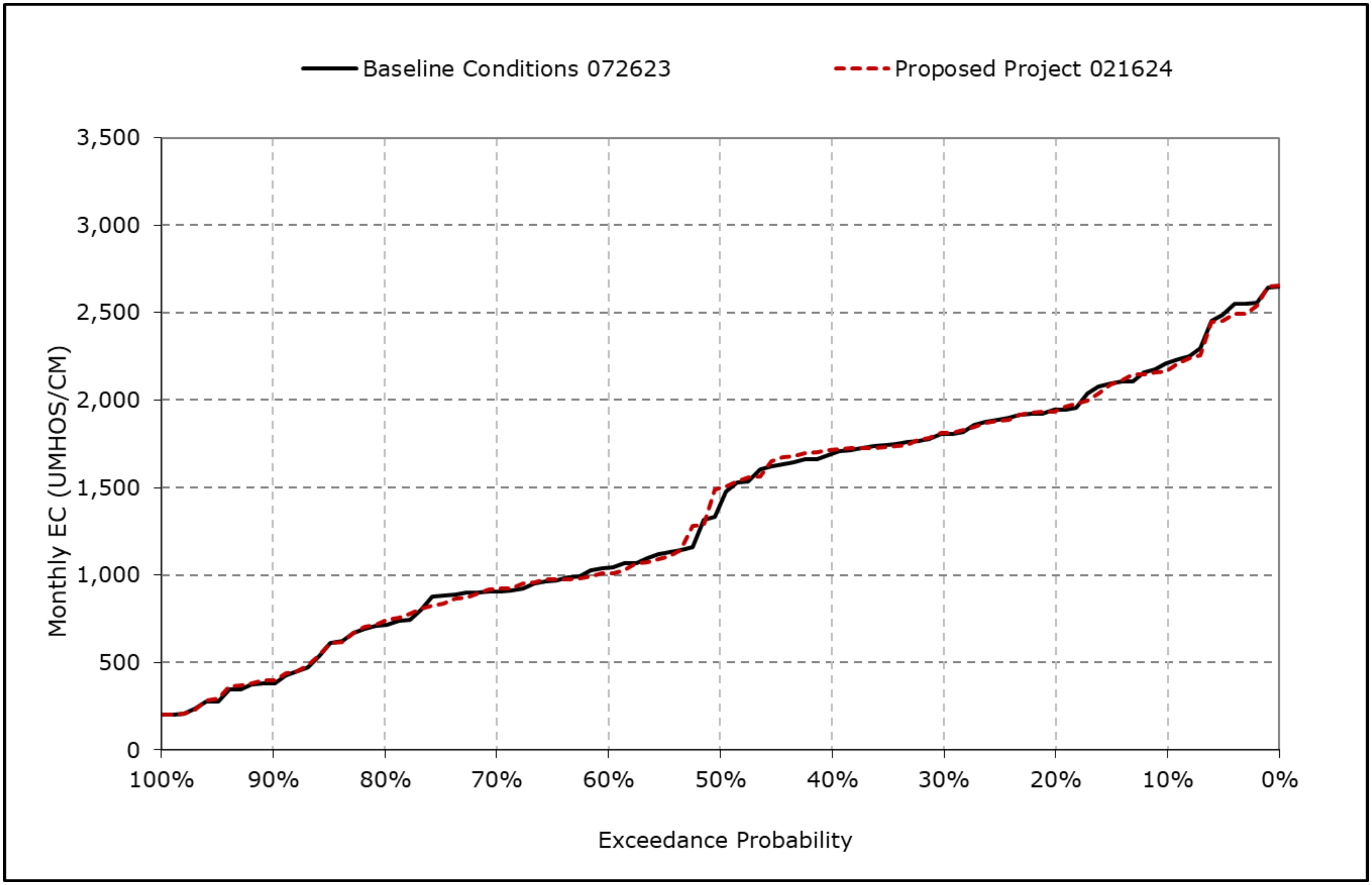
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-12g. San Joaquin River at Jersey Point Salinity, October EC



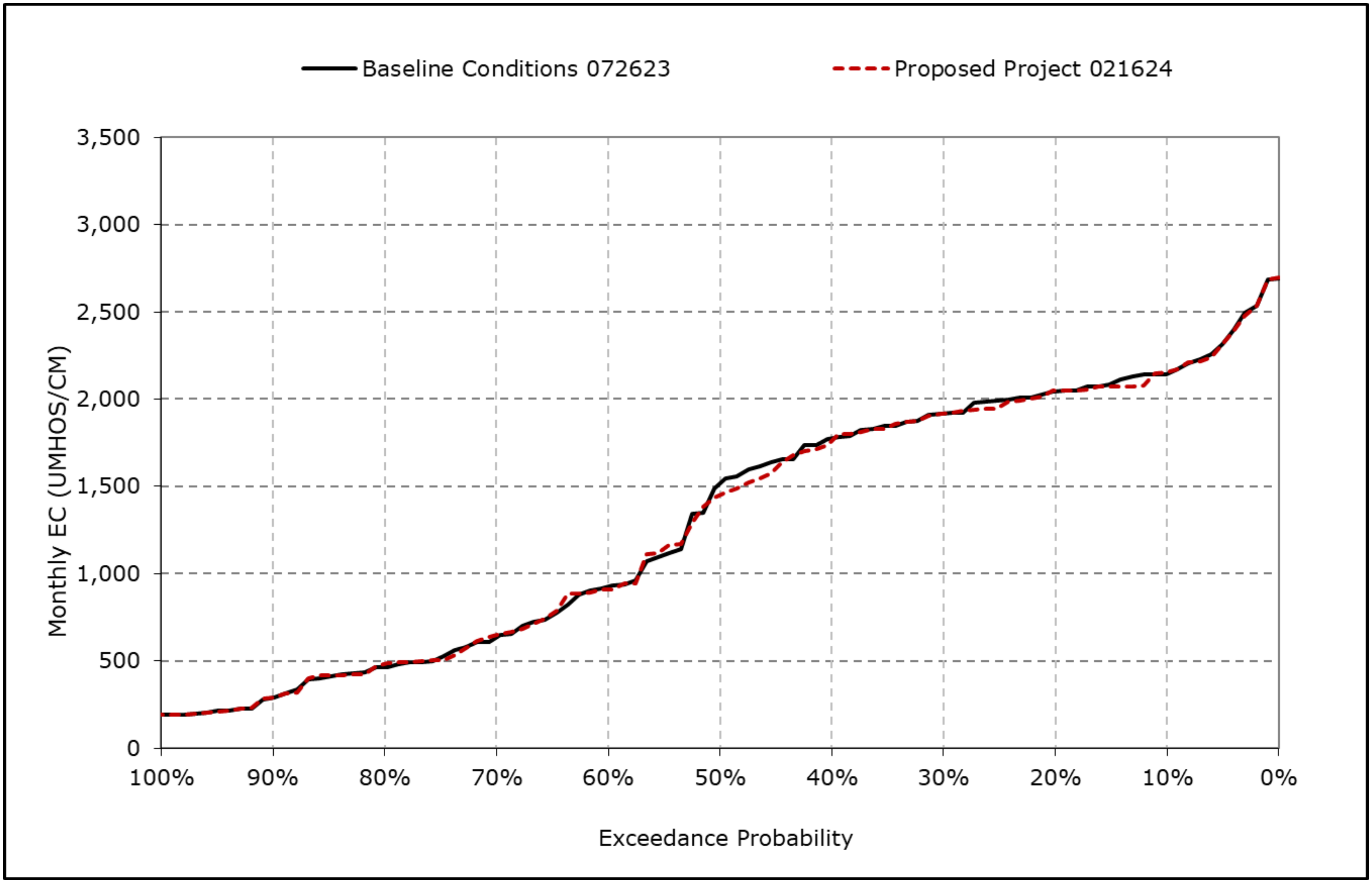
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-12h. San Joaquin River at Jersey Point Salinity, November EC



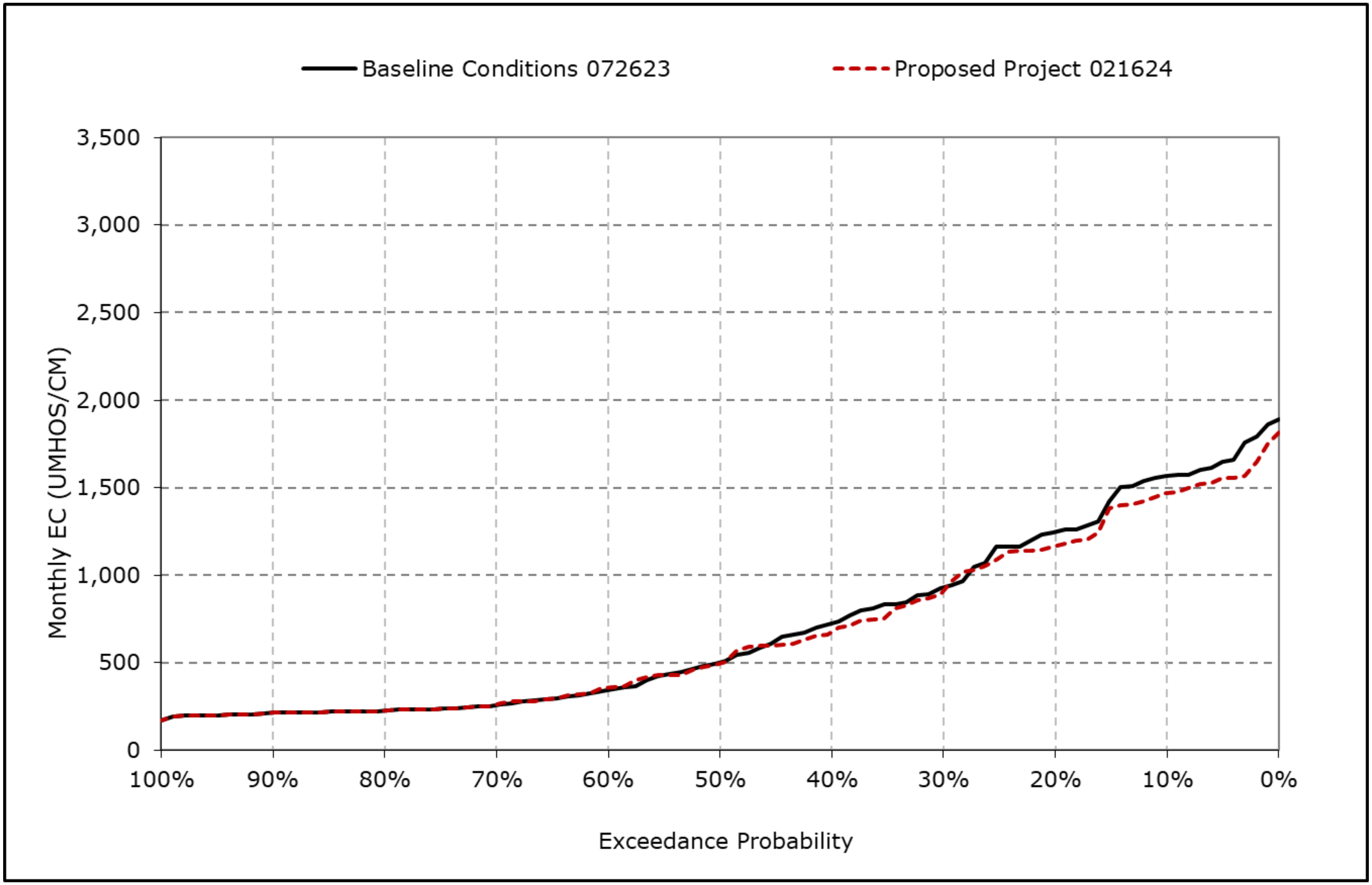
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-12i. San Joaquin River at Jersey Point Salinity, December EC



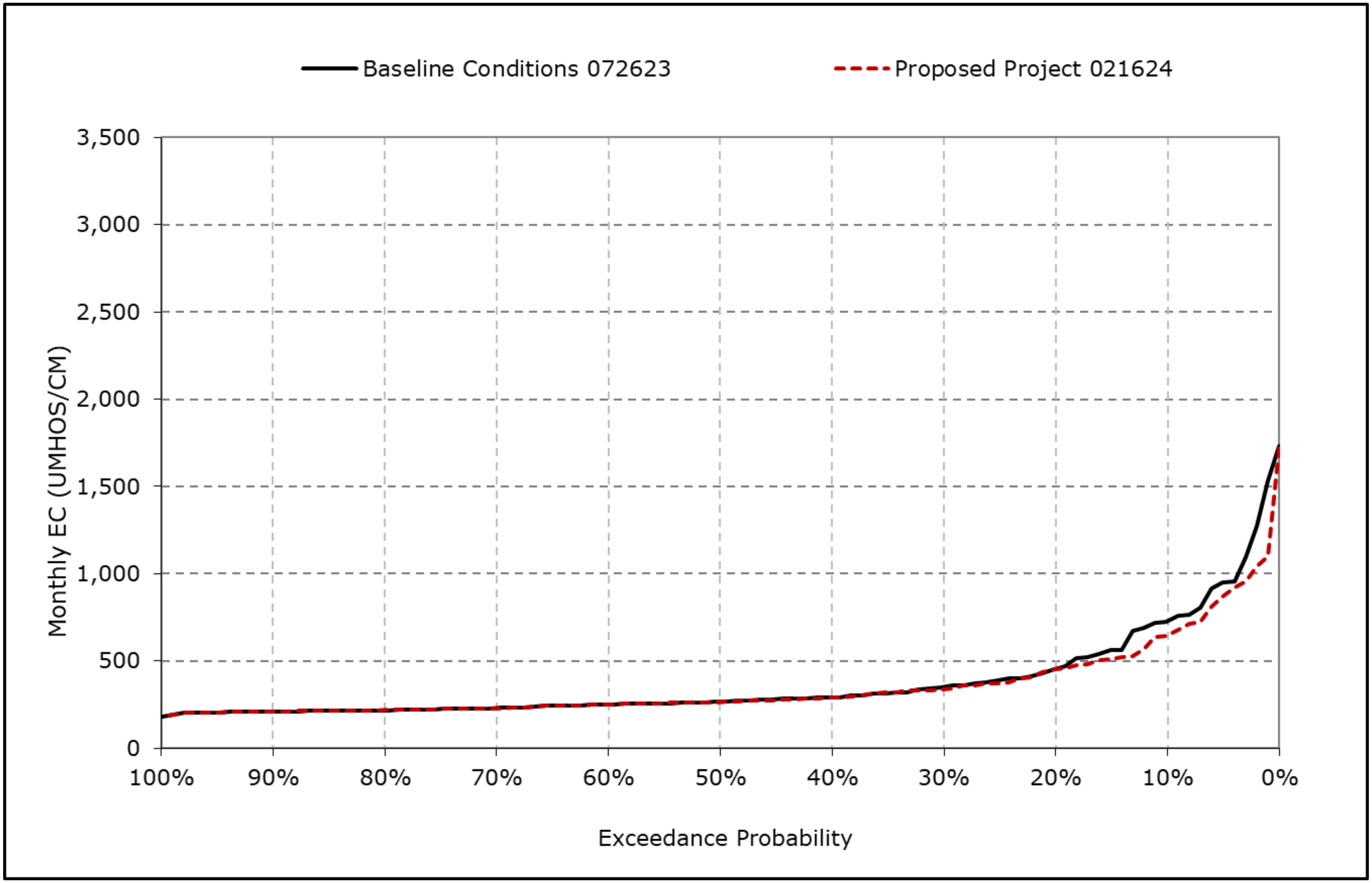
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-12j. San Joaquin River at Jersey Point Salinity, January EC



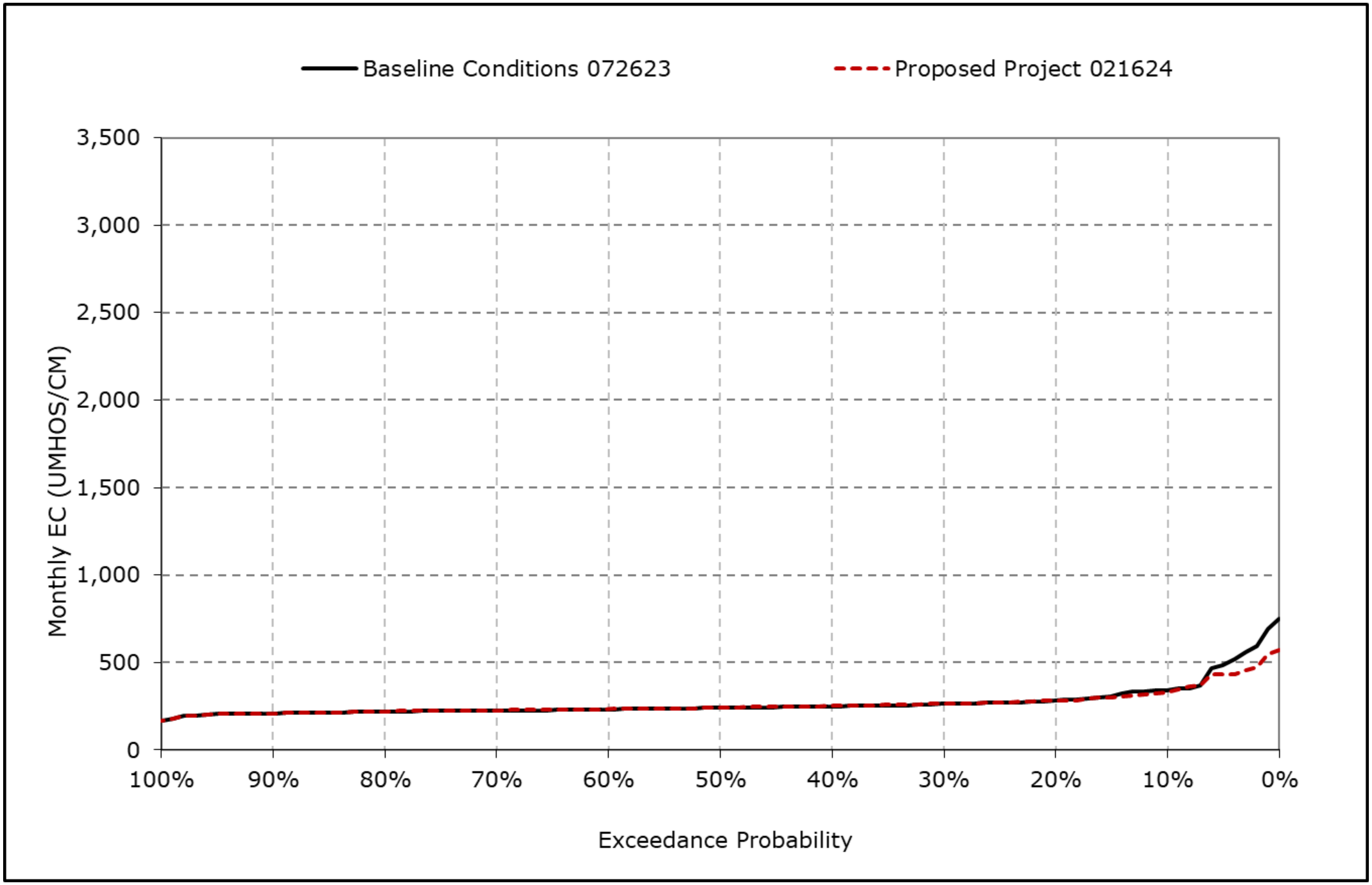
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-12k. San Joaquin River at Jersey Point Salinity, February EC



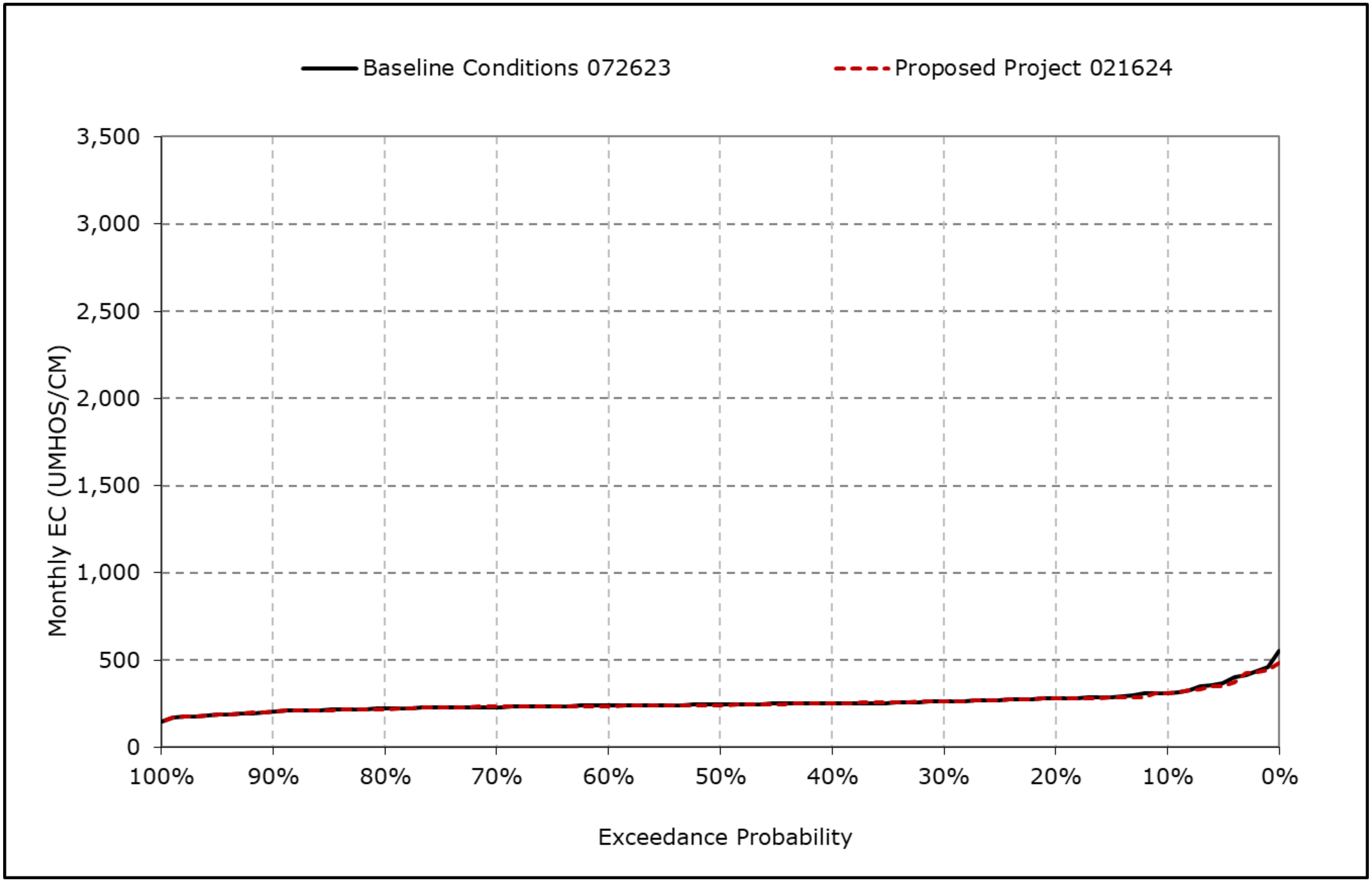
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-12l. San Joaquin River at Jersey Point Salinity, March EC



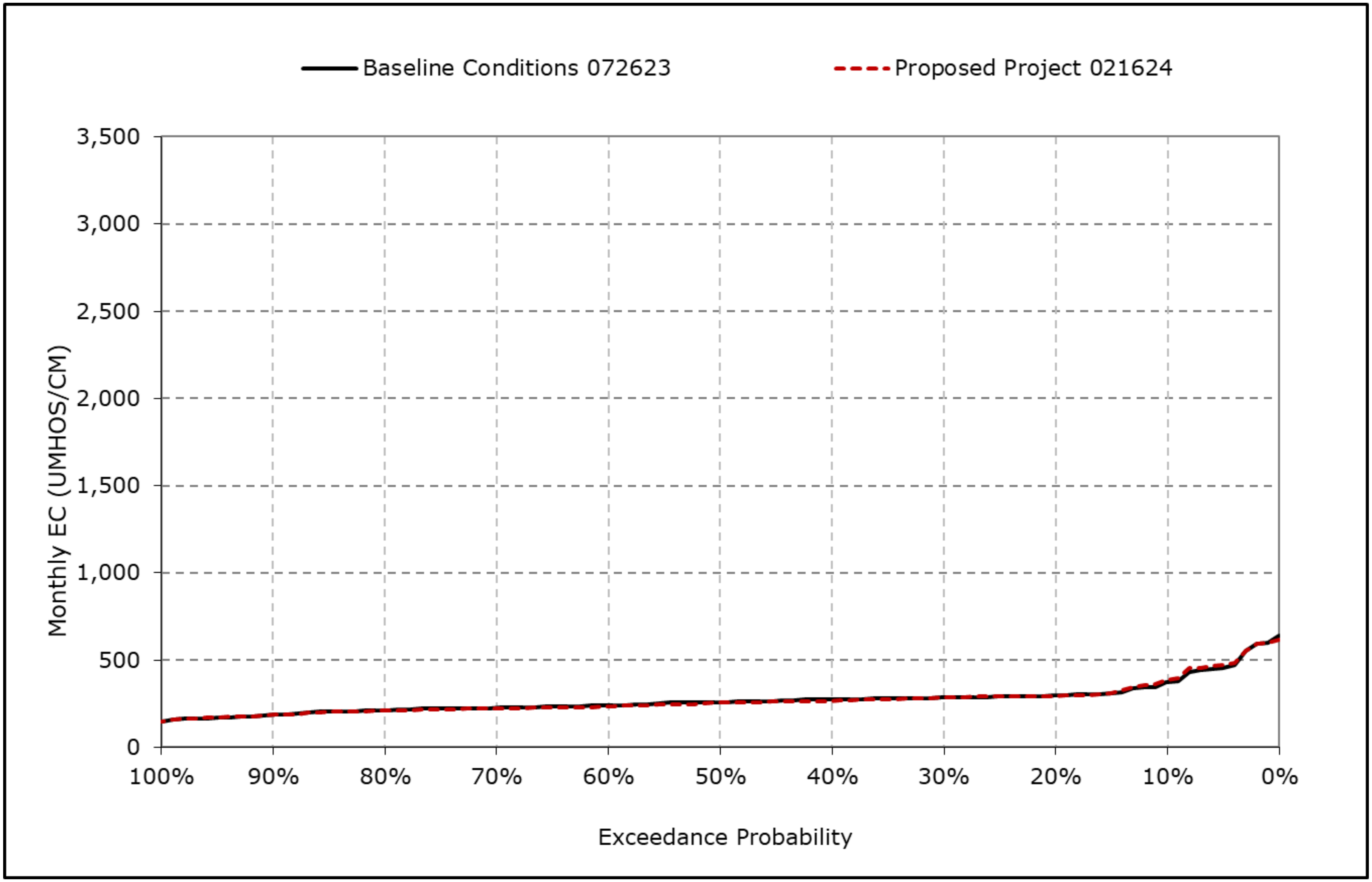
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-12m. San Joaquin River at Jersey Point Salinity, April EC



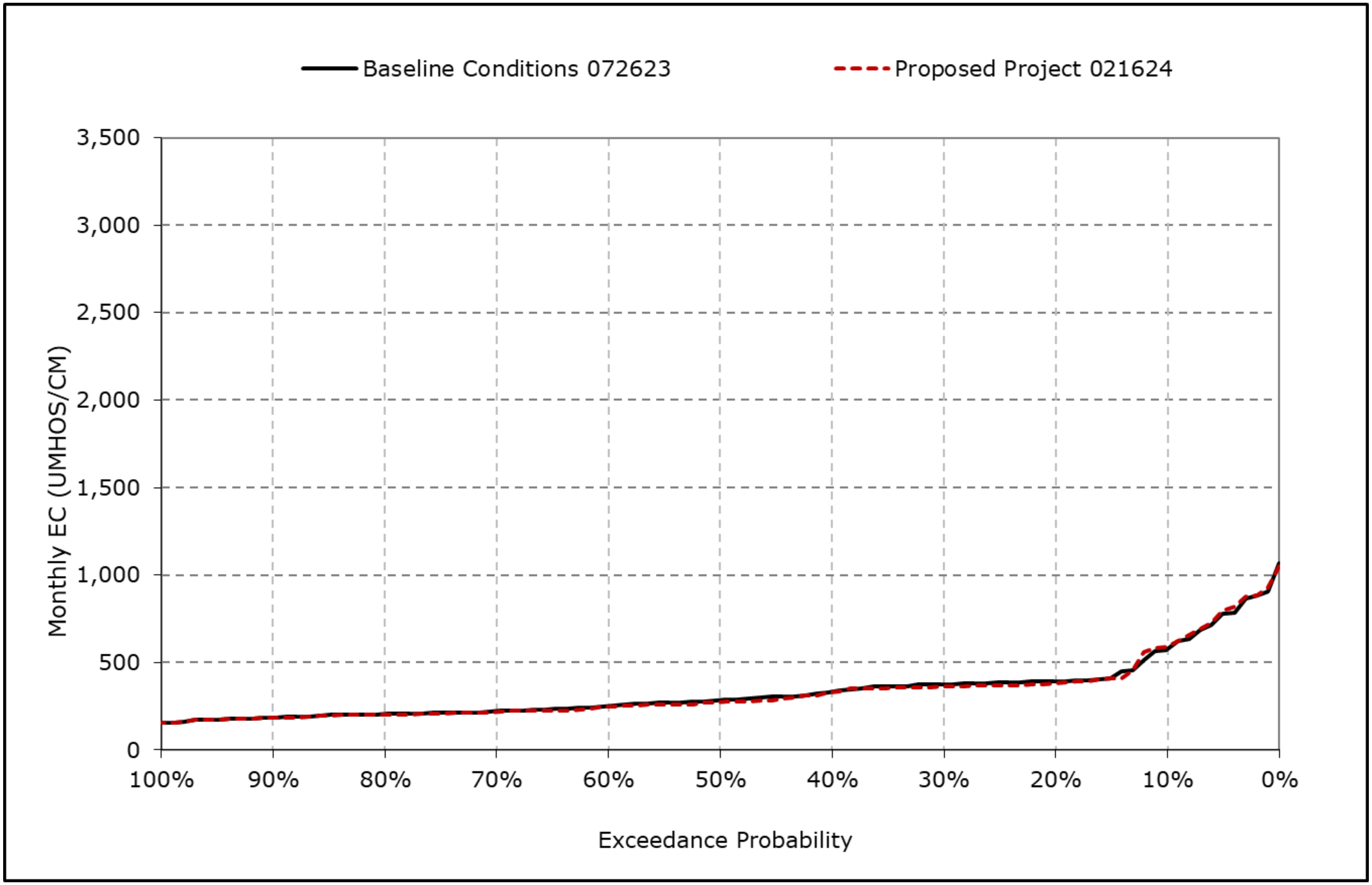
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-12n. San Joaquin River at Jersey Point Salinity, May EC



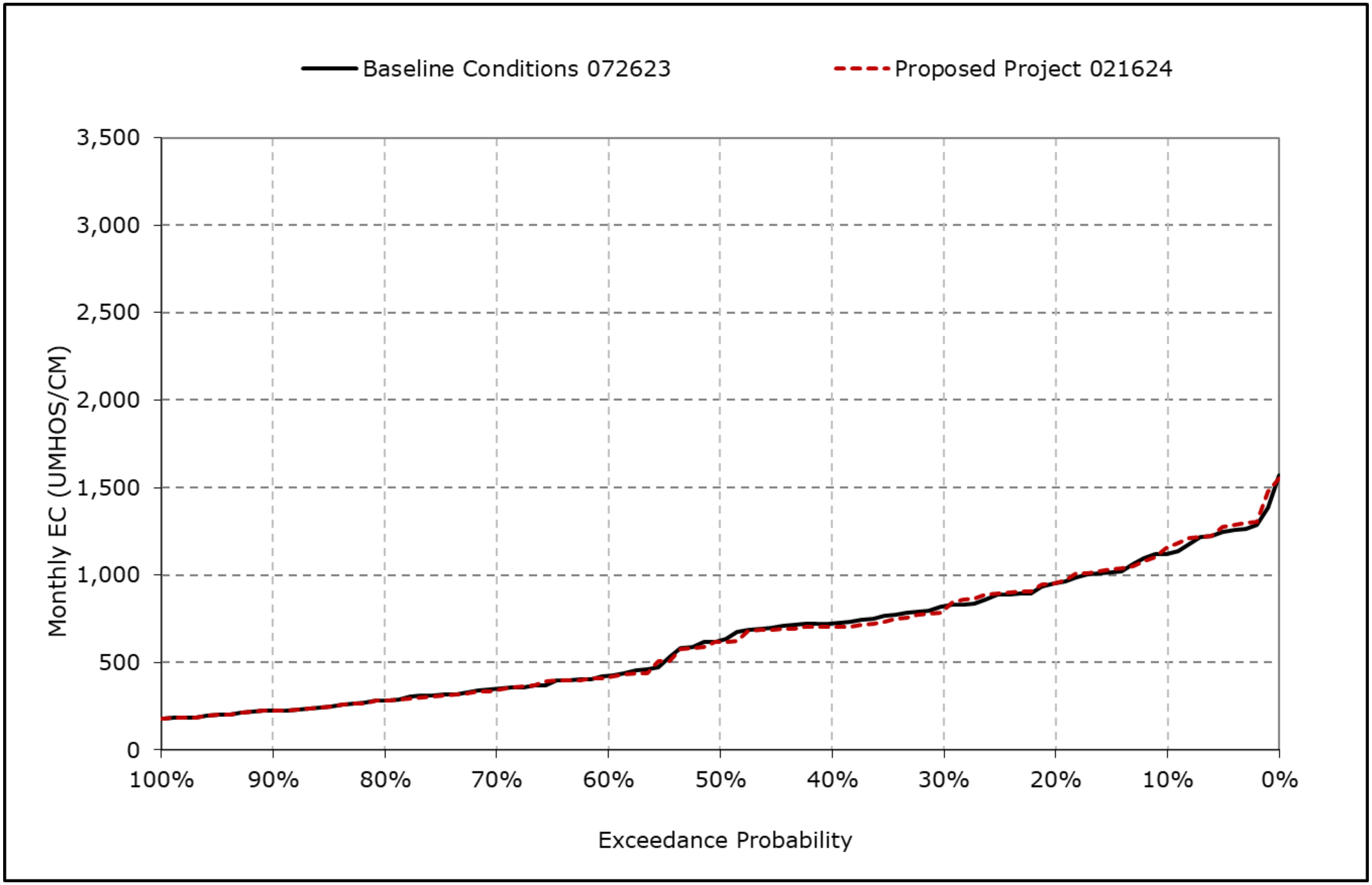
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-12o. San Joaquin River at Jersey Point Salinity, June EC



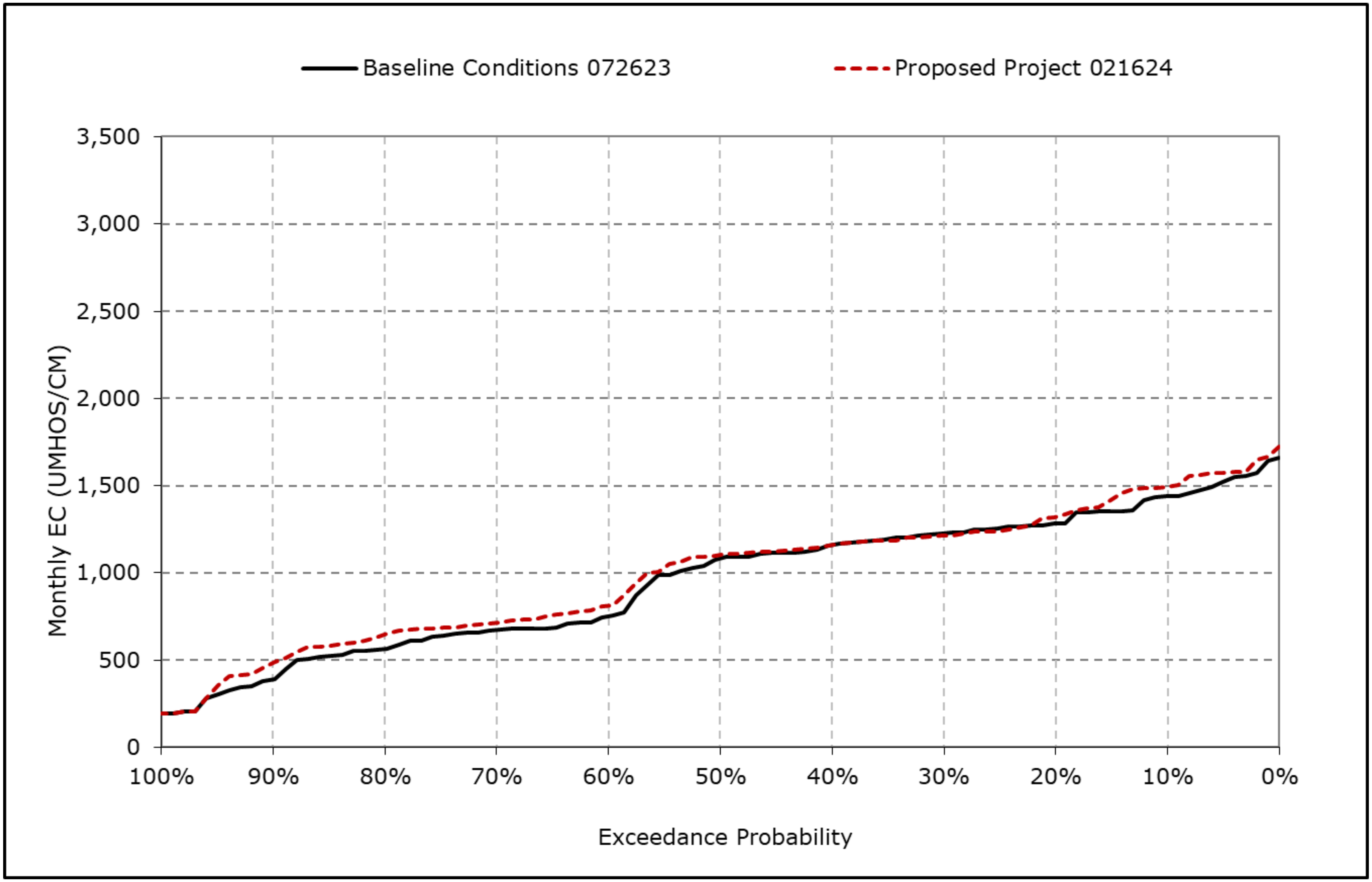
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-12p. San Joaquin River at Jersey Point Salinity, July EC



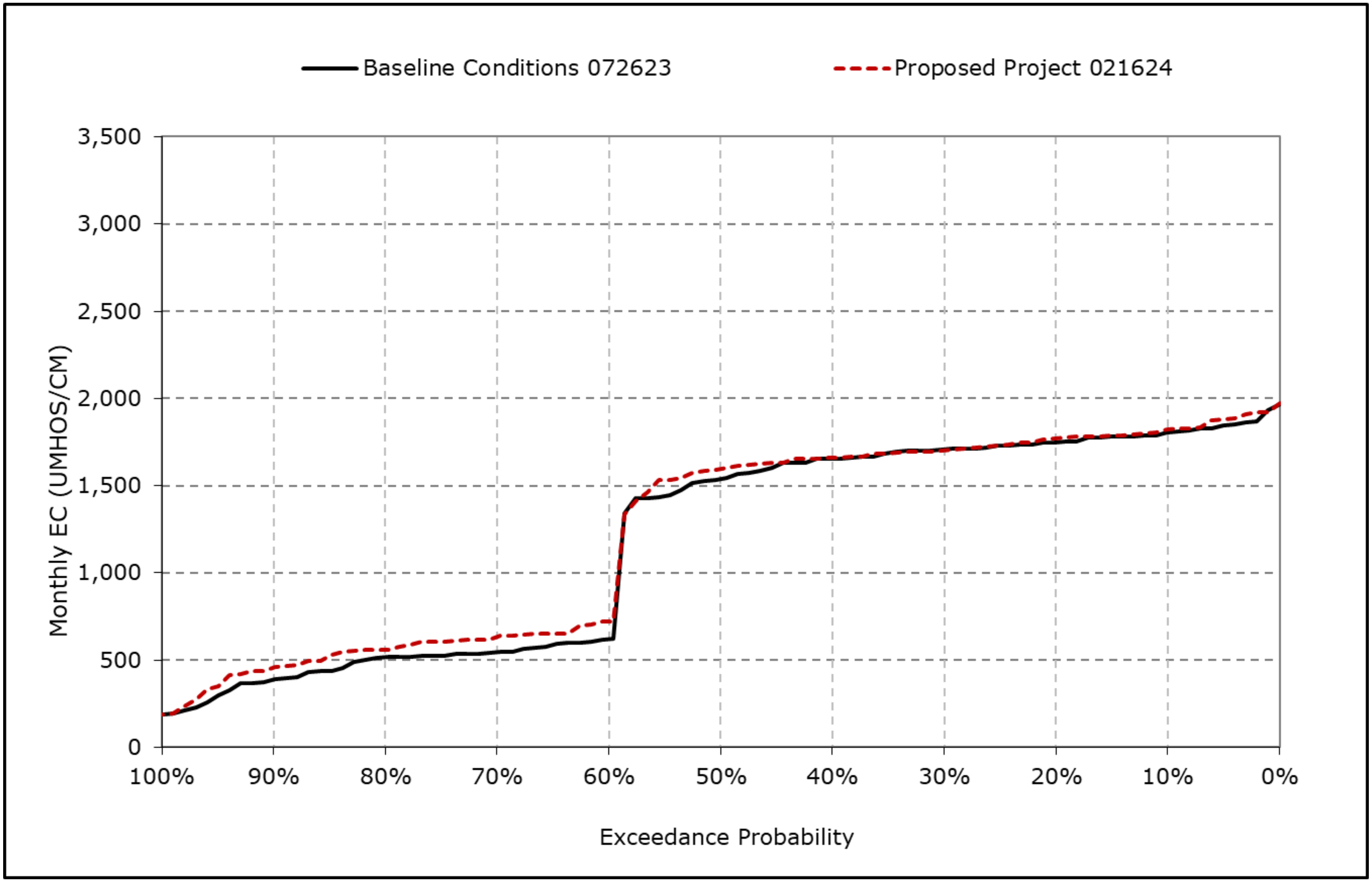
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-12q. San Joaquin River at Jersey Point Salinity, August EC



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

Figure 4B-6-12r. San Joaquin River at Jersey Point Salinity, September EC



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

Table 4B-6-13-1a. San Joaquin River at San Andreas Salinity, Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	903	980	1,095	848	499	278	293	287	300	470	607	773
20% Exceedance	810	839	1,038	758	353	262	268	271	253	407	539	736
30% Exceedance	759	780	967	614	302	251	260	263	246	351	523	708
40% Exceedance	706	696	937	473	266	243	253	255	237	332	480	673
50% Exceedance	647	655	791	375	252	236	247	246	227	299	452	634
60% Exceedance	254	448	570	279	242	229	238	236	218	244	345	326
70% Exceedance	229	389	415	236	225	222	232	223	207	226	308	295
80% Exceedance	215	328	314	220	215	214	221	210	198	209	283	280
90% Exceedance	208	258	244	206	207	204	192	179	181	196	233	233
Full Simulation Period Average[a]	540	611	709	463	305	246	245	242	236	311	424	524
Wet Water Years (30%)	492	498	428	261	219	210	207	195	191	208	264	263
Above Normal Years (11%)	535	682	724	346	235	225	244	228	212	224	298	281
Below Normal Years (21%)	474	527	762	498	284	241	260	254	232	317	506	751
Dry Water Years (22%)	528	614	879	617	357	261	255	258	245	416	552	662
Critical Water Years (16%)	735	883	924	663	466	313	285	300	330	413	525	695

Table 4B-6-13-1b. San Joaquin River at San Andreas Salinity, Proposed Project 021624, Monthly EC (UMHOS/CM)

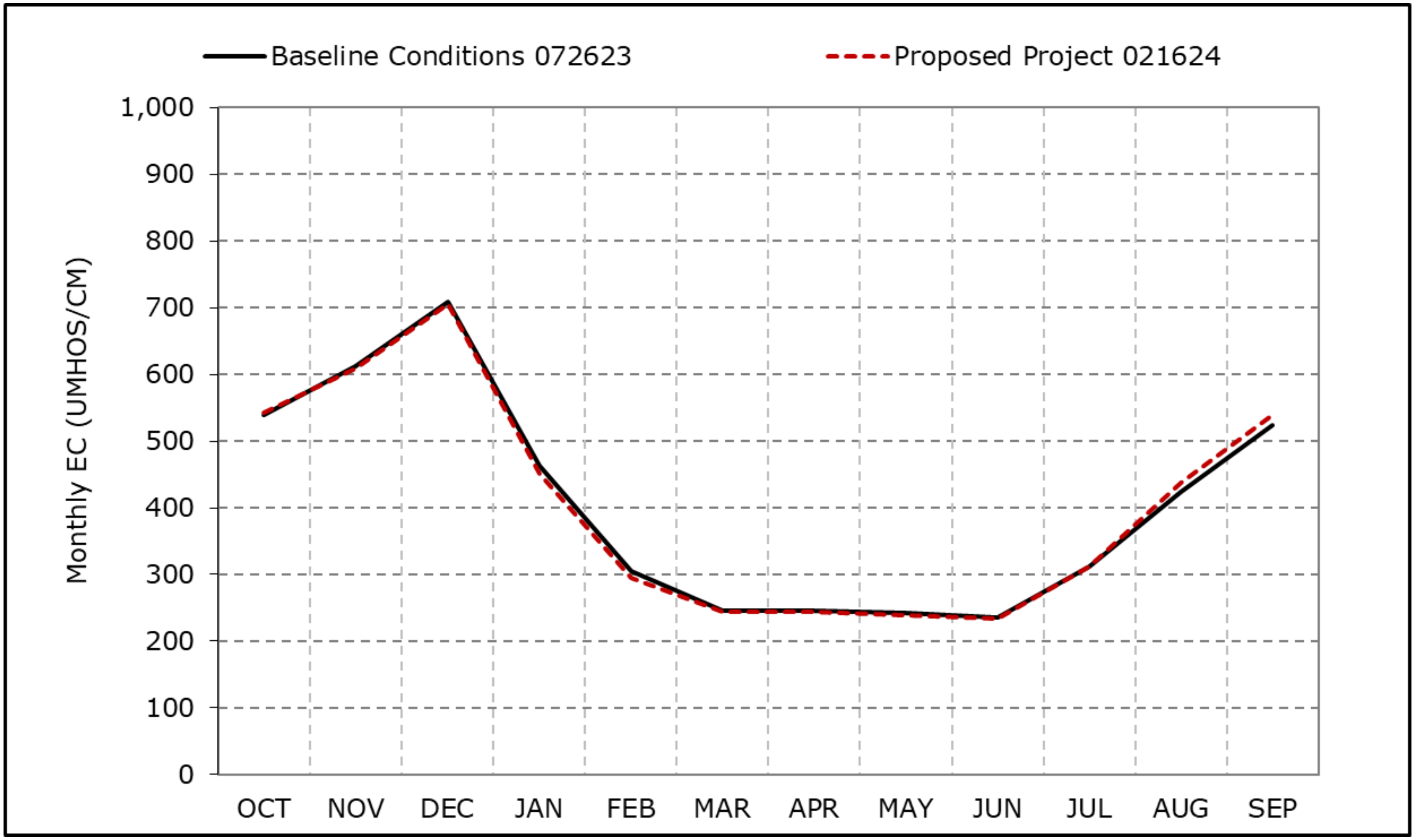
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	907	988	1,090	812	461	275	289	283	303	470	660	765
20% Exceedance	824	837	1,043	705	340	262	269	268	248	413	552	733
30% Exceedance	742	765	963	574	299	254	259	256	242	351	517	712
40% Exceedance	697	694	920	469	267	245	253	253	235	330	492	679
50% Exceedance	648	674	799	378	252	238	247	244	223	295	464	650
60% Exceedance	265	437	582	286	239	229	238	227	215	243	364	365
70% Exceedance	235	391	426	237	225	222	230	219	207	225	325	327
80% Exceedance	220	337	312	221	215	215	219	207	198	208	307	306
90% Exceedance	213	260	245	206	207	203	192	179	181	196	249	260
Full Simulation Period Average[a]	542	609	706	451	295	243	243	238	234	312	438	538
Wet Water Years (30%)	498	507	432	260	219	210	206	193	190	207	277	287
Above Normal Years (11%)	544	669	739	350	236	227	241	223	210	226	324	305
Below Normal Years (21%)	466	527	761	485	282	244	259	248	227	309	498	736
Dry Water Years (22%)	519	608	866	607	342	254	253	255	243	424	589	689
Critical Water Years (16%)	757	870	903	616	428	301	281	299	333	414	533	705

Table 4B-6-13-1c. San Joaquin River at San Andreas Salinity, Proposed Project 021624 minus Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	4	8	-6	-36	-39	-2	-4	-4	3	0	54	-8
20% Exceedance	14	-2	5	-52	-13	0	1	-3	-5	7	13	-3
30% Exceedance	-16	-15	-3	-40	-3	3	-1	-7	-4	0	-6	3
40% Exceedance	-9	-2	-17	-4	0	2	0	-2	-2	-1	12	6
50% Exceedance	1	19	8	4	0	2	0	-3	-4	-4	12	16
60% Exceedance	10	-11	12	7	-3	0	0	-9	-3	0	19	39
70% Exceedance	6	2	12	2	0	0	-2	-5	-1	-1	18	31
80% Exceedance	4	9	-2	1	0	1	-1	-3	0	-1	24	25
90% Exceedance	4	3	1	0	0	-1	0	0	0	0	16	27
Full Simulation Period Average[a]	3	-2	-3	-12	-10	-3	-2	-3	-2	0	14	14
Wet Water Years (30%)	6	9	4	-2	0	0	-1	-2	-1	0	12	24
Above Normal Years (11%)	8	-13	14	4	1	2	-3	-5	-2	2	26	24
Below Normal Years (21%)	-8	0	-1	-13	-2	2	-1	-6	-5	-8	-7	-16
Dry Water Years (22%)	-10	-5	-13	-10	-15	-6	-2	-3	-2	7	37	27
Critical Water Years (16%)	22	-13	-21	-46	-38	-12	-4	-1	3	1	8	10

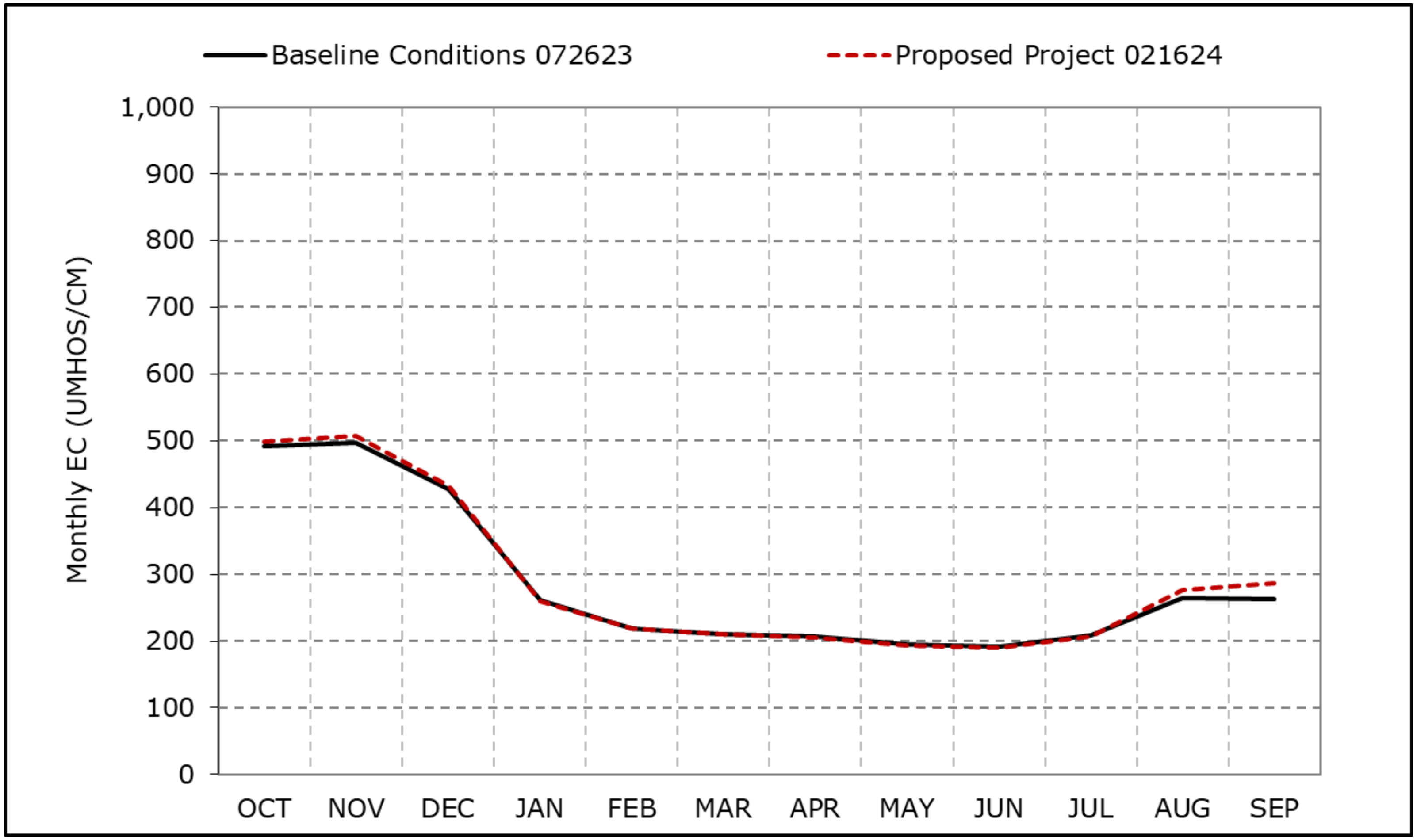
[a] Based on the 100-year simulation period.
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-6-13a. San Joaquin River at San Andreas Salinity, Long-Term Average EC



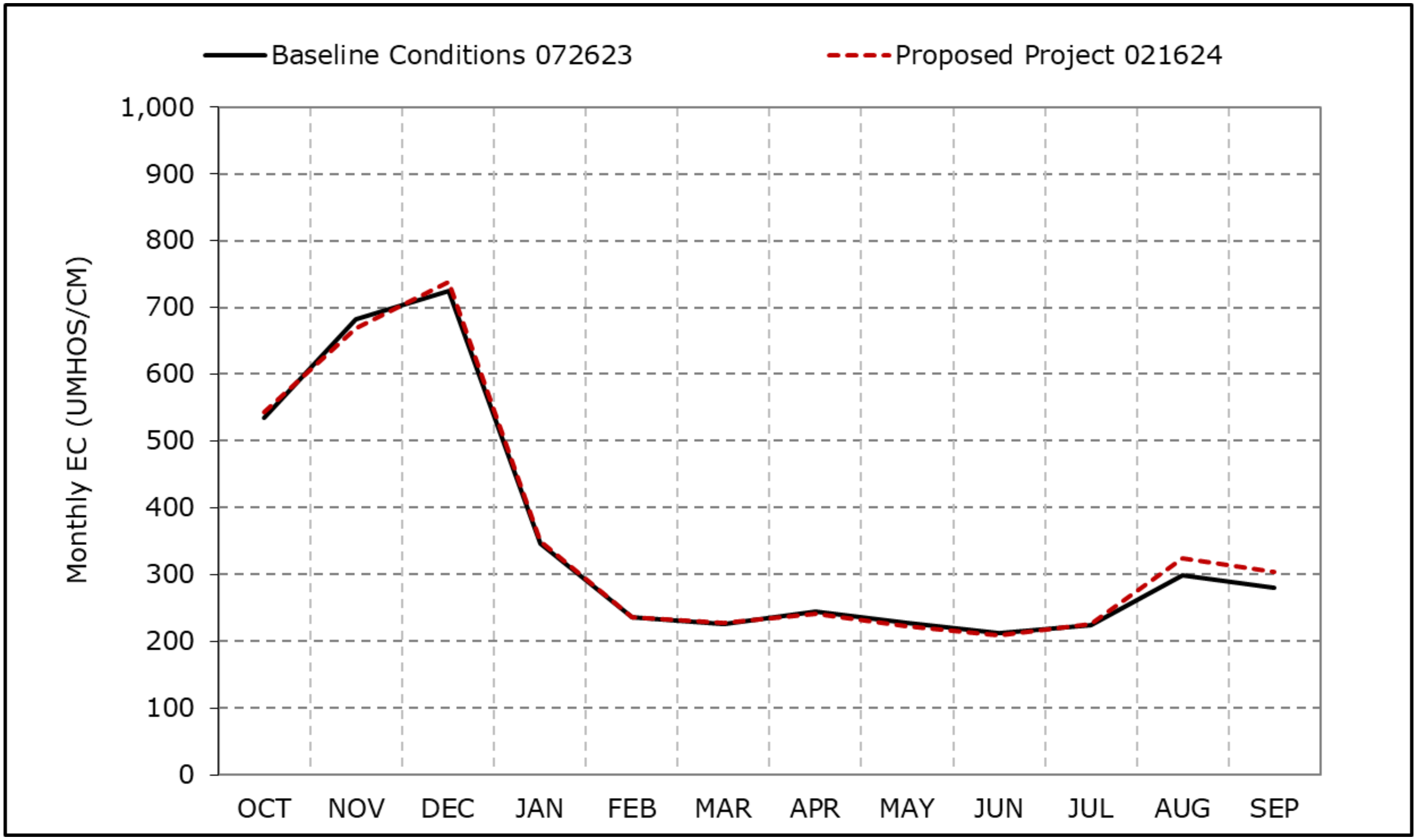
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-13b. San Joaquin River at San Andreas Salinity, Wet Year Average EC



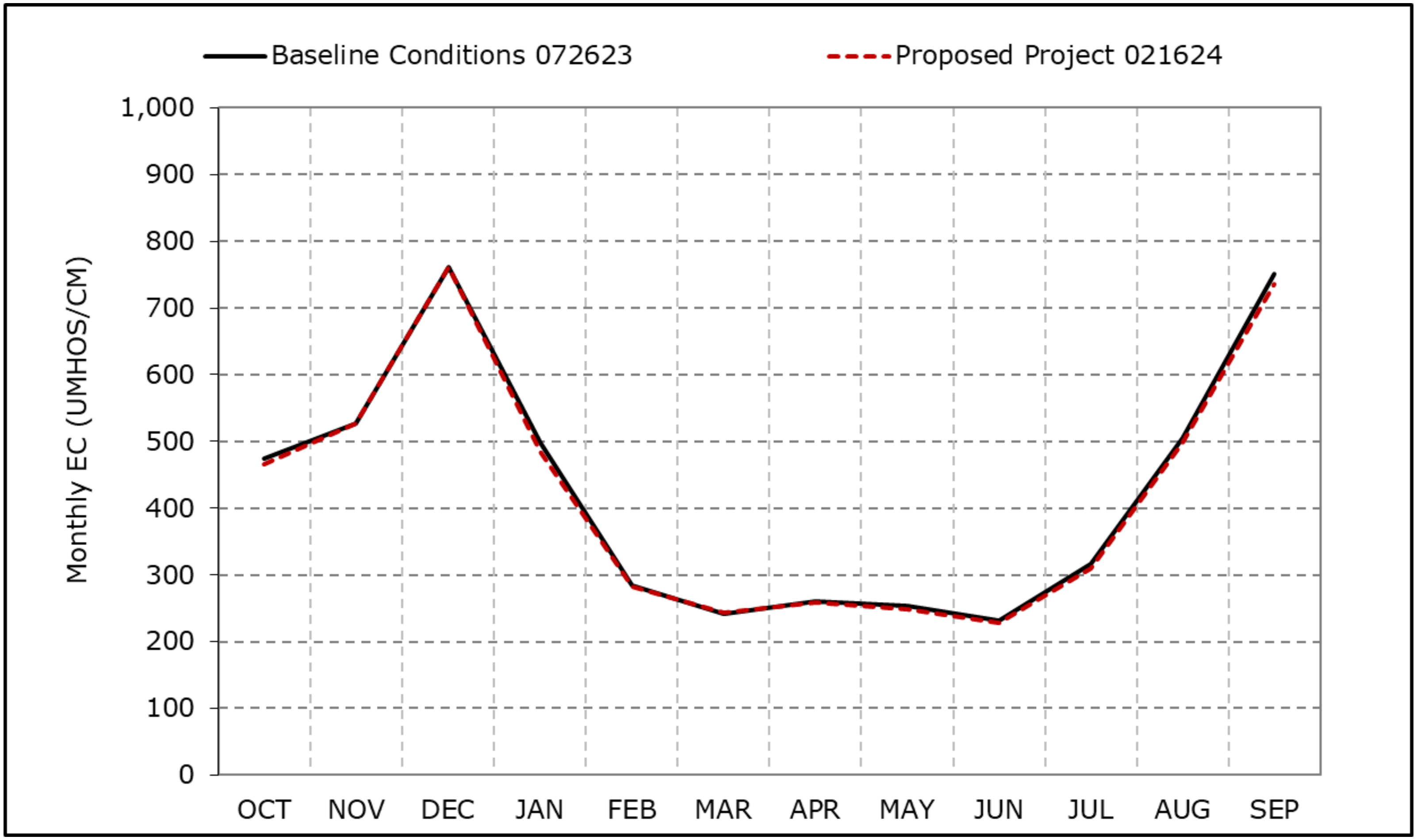
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-13c. San Joaquin River at San Andreas Salinity, Above Normal Year Average EC



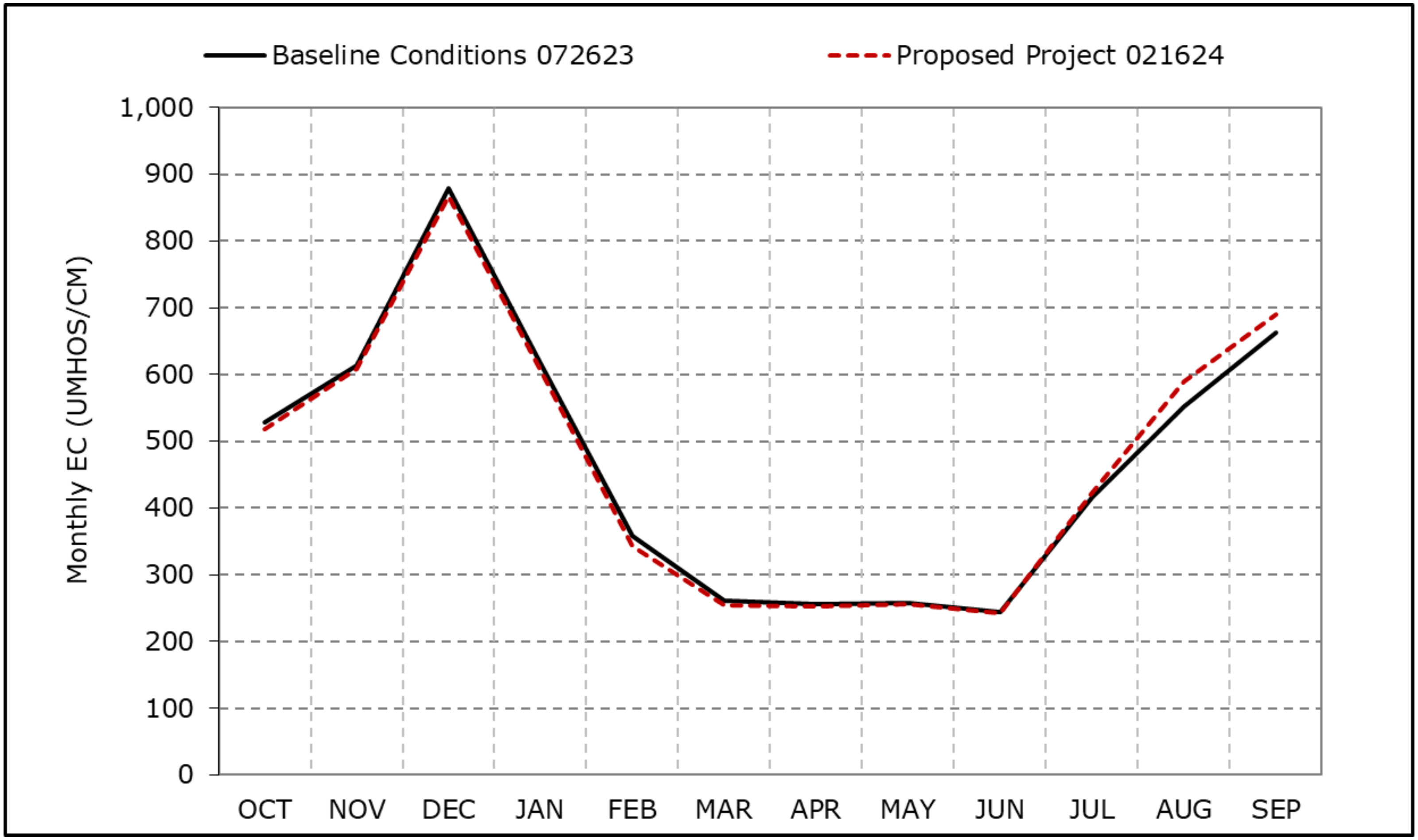
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-13d. San Joaquin River at San Andreas Salinity, Below Normal Year Average EC



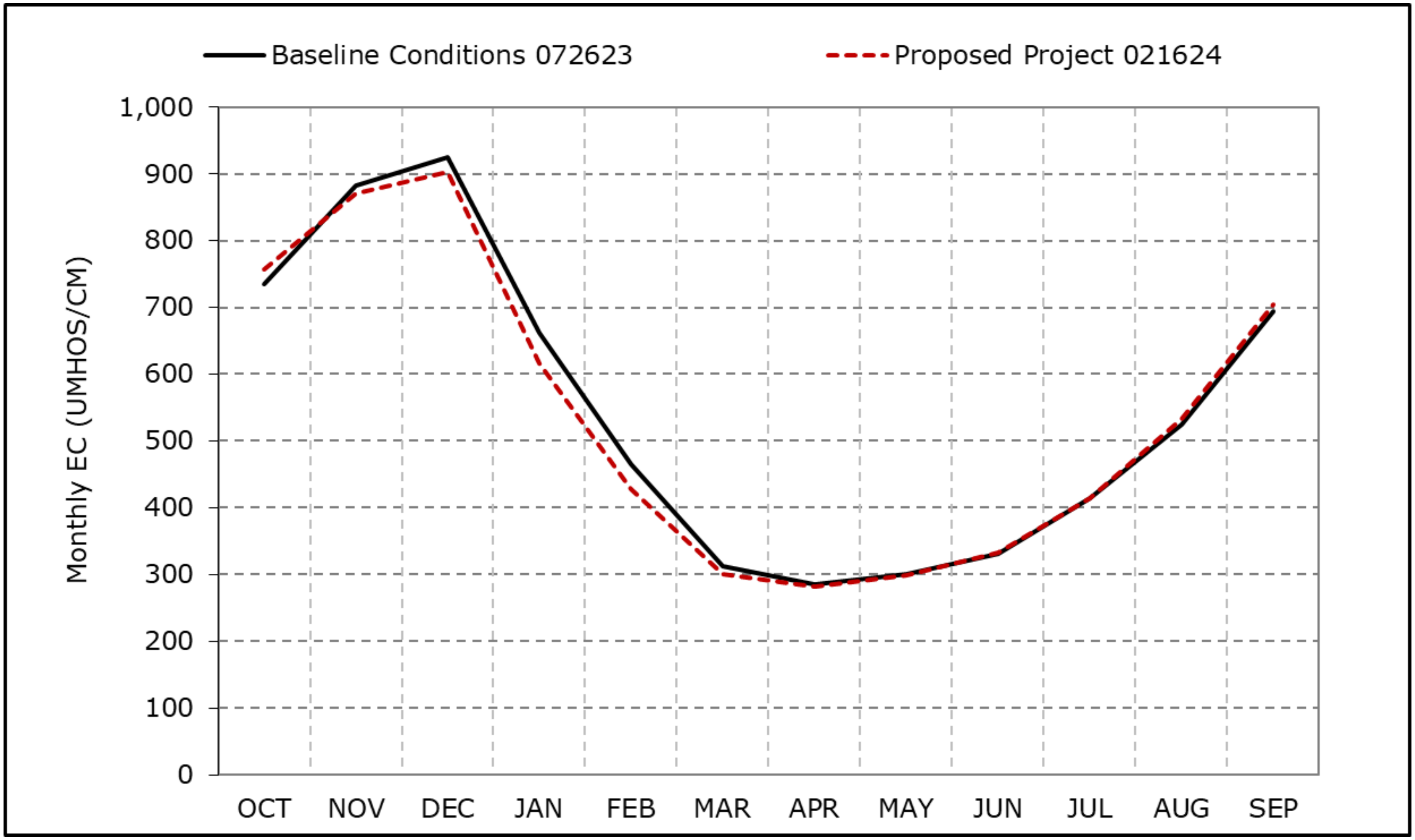
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-13e. San Joaquin River at San Andreas Salinity, Dry Year Average EC



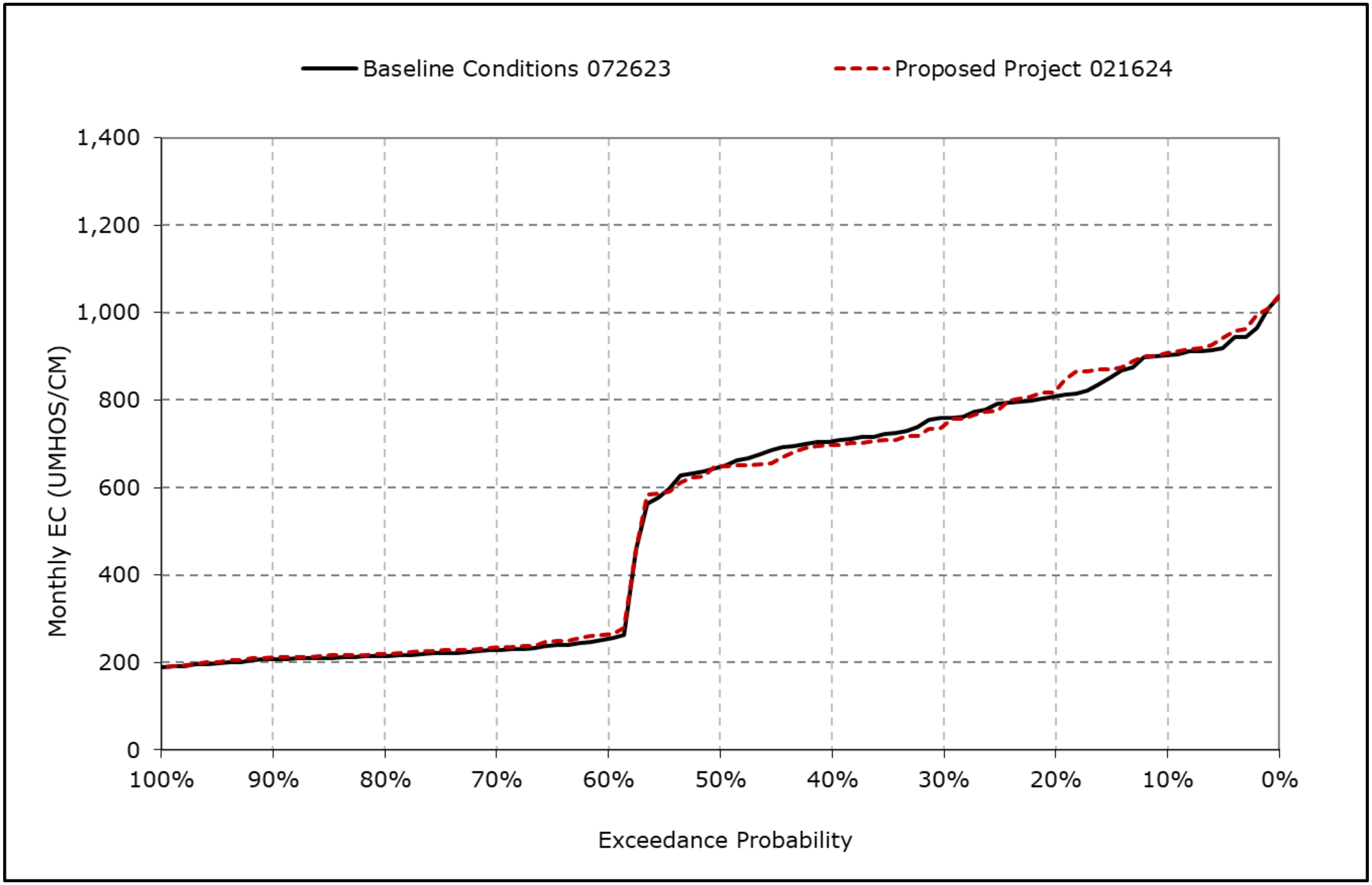
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-13f. San Joaquin River at San Andreas Salinity, Critical Year Average EC



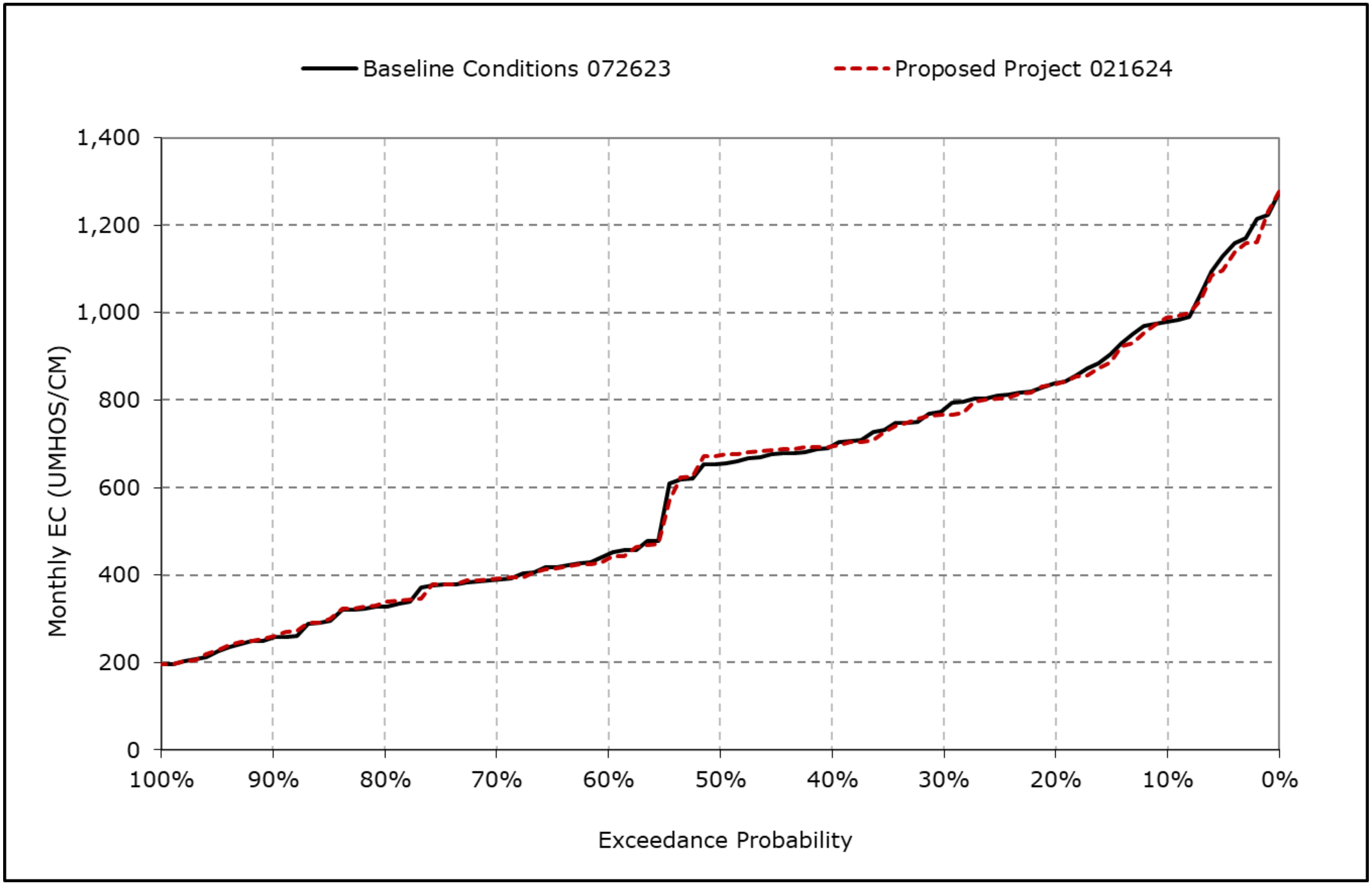
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-13g. San Joaquin River at San Andreas Salinity, October EC



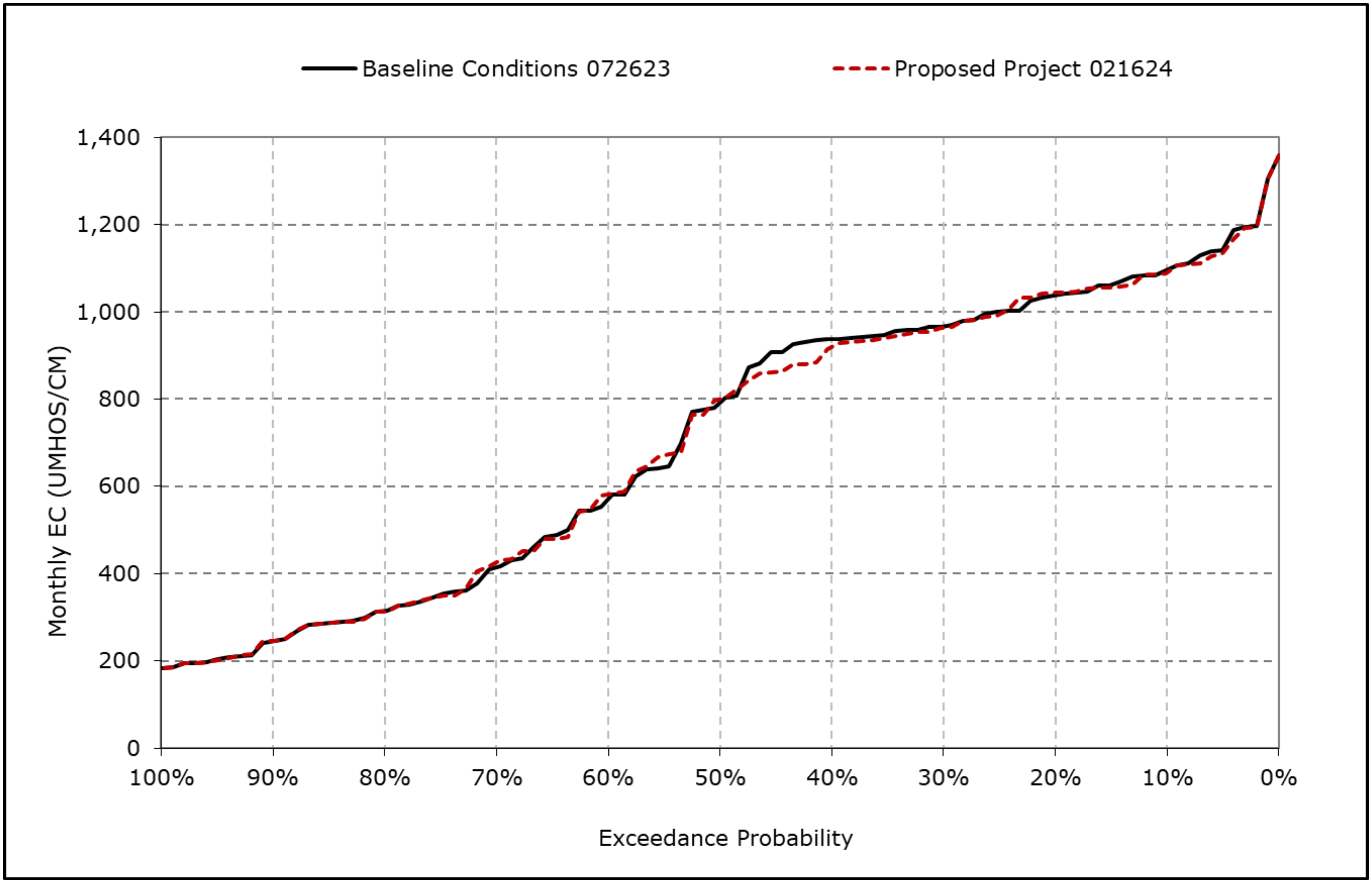
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-13h. San Joaquin River at San Andreas Salinity, November EC



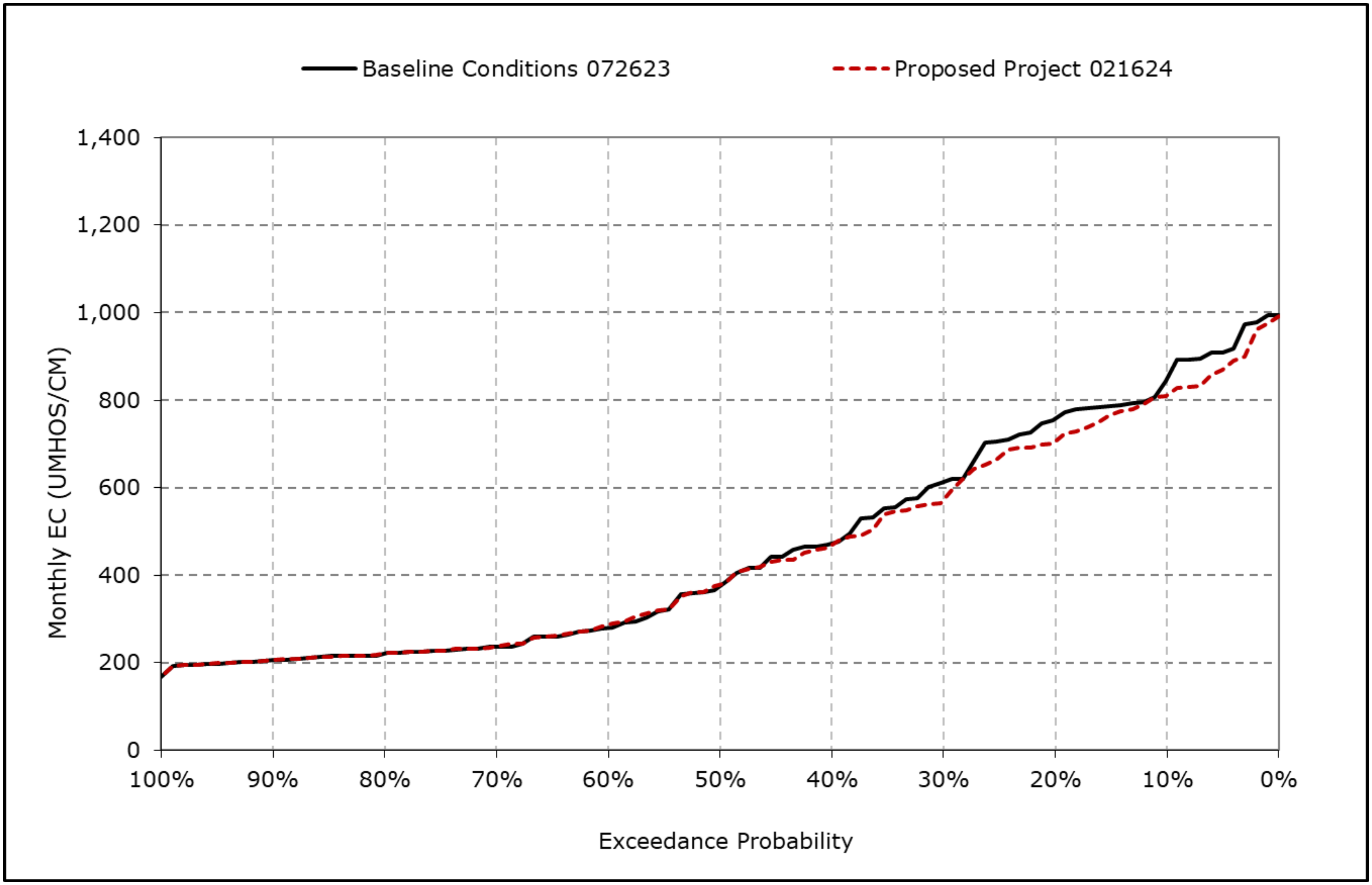
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-13i. San Joaquin River at San Andreas Salinity, December EC



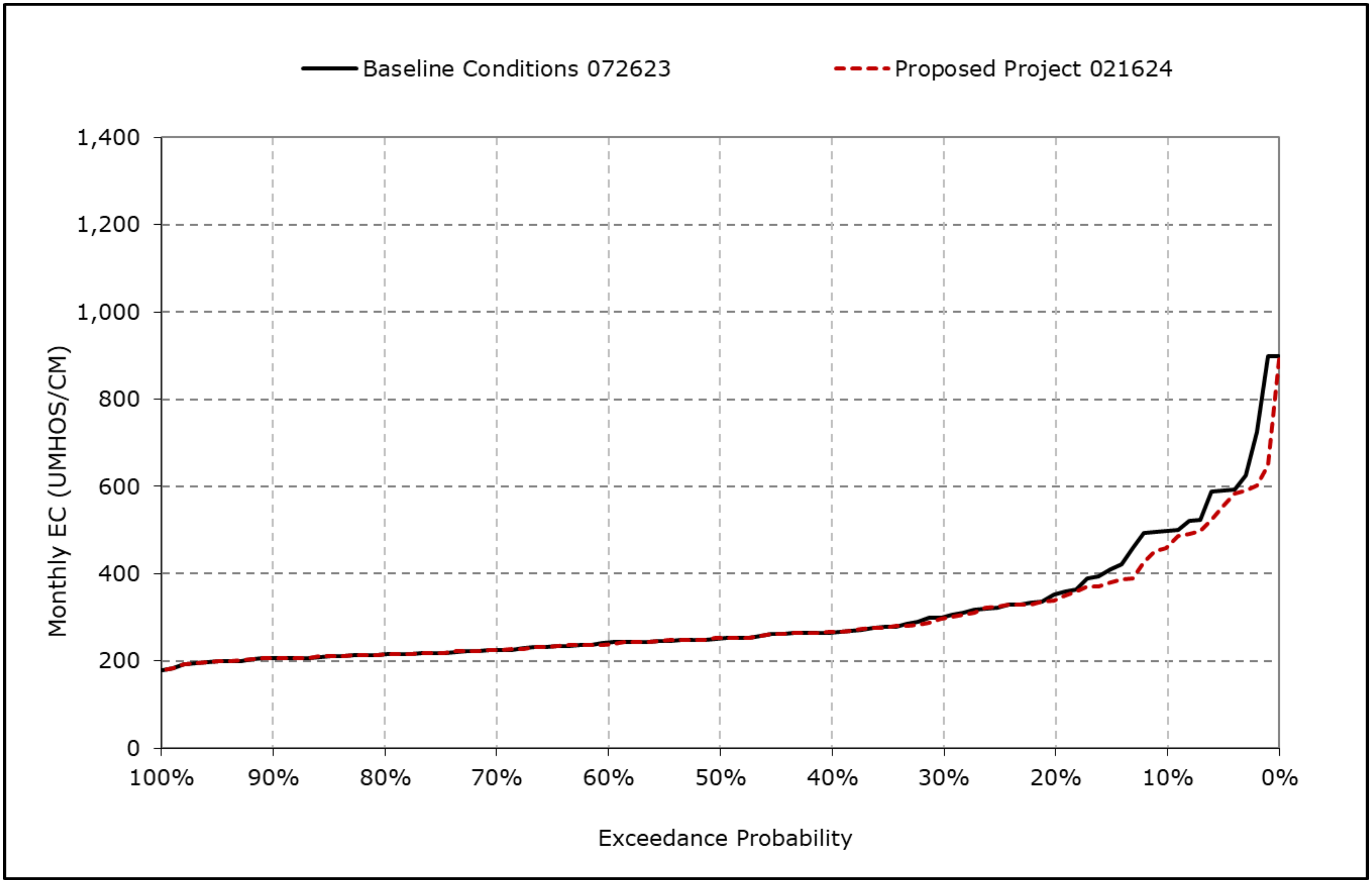
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-13j. San Joaquin River at San Andreas Salinity, January EC



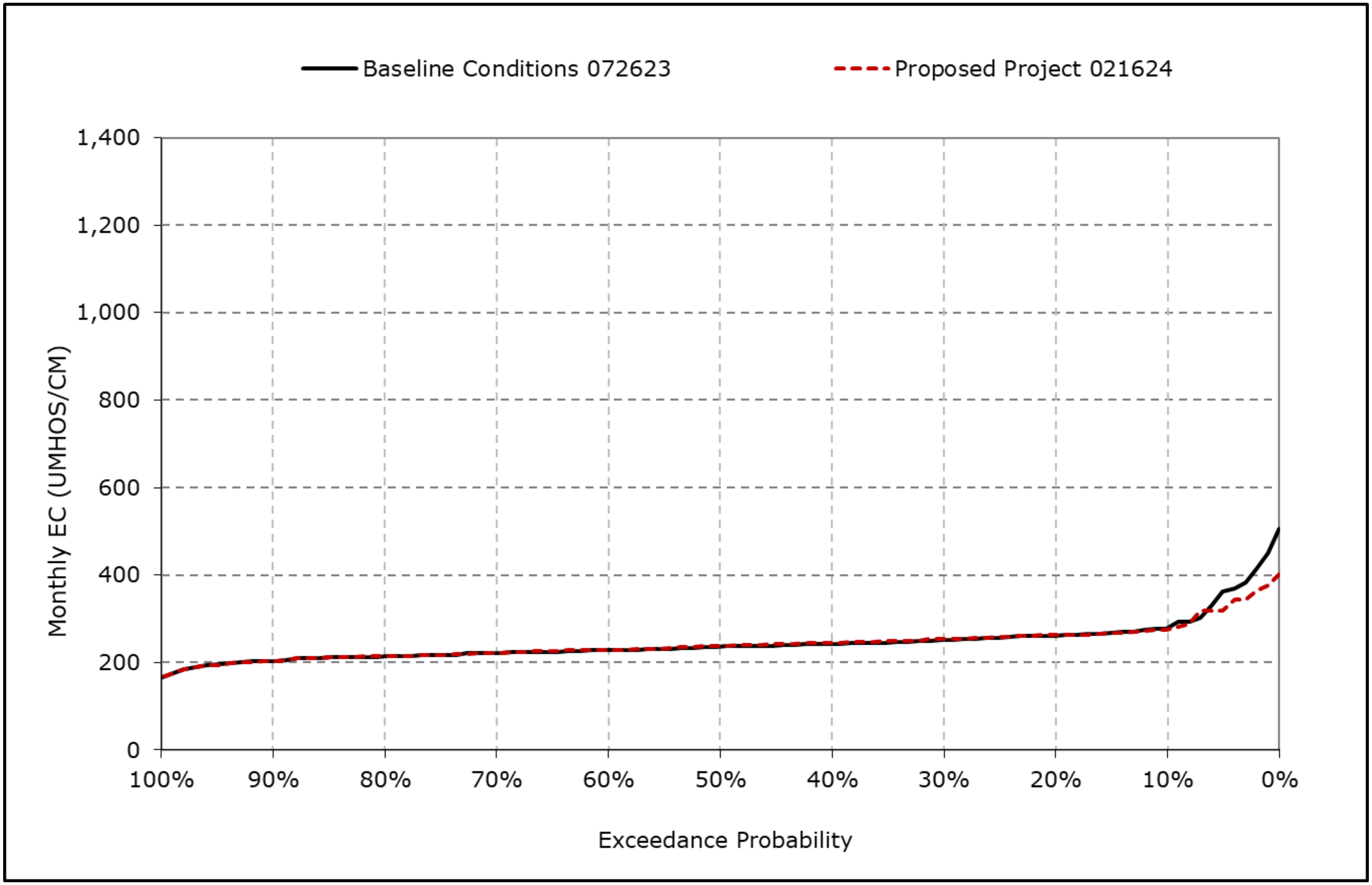
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-13k. San Joaquin River at San Andreas Salinity, February EC



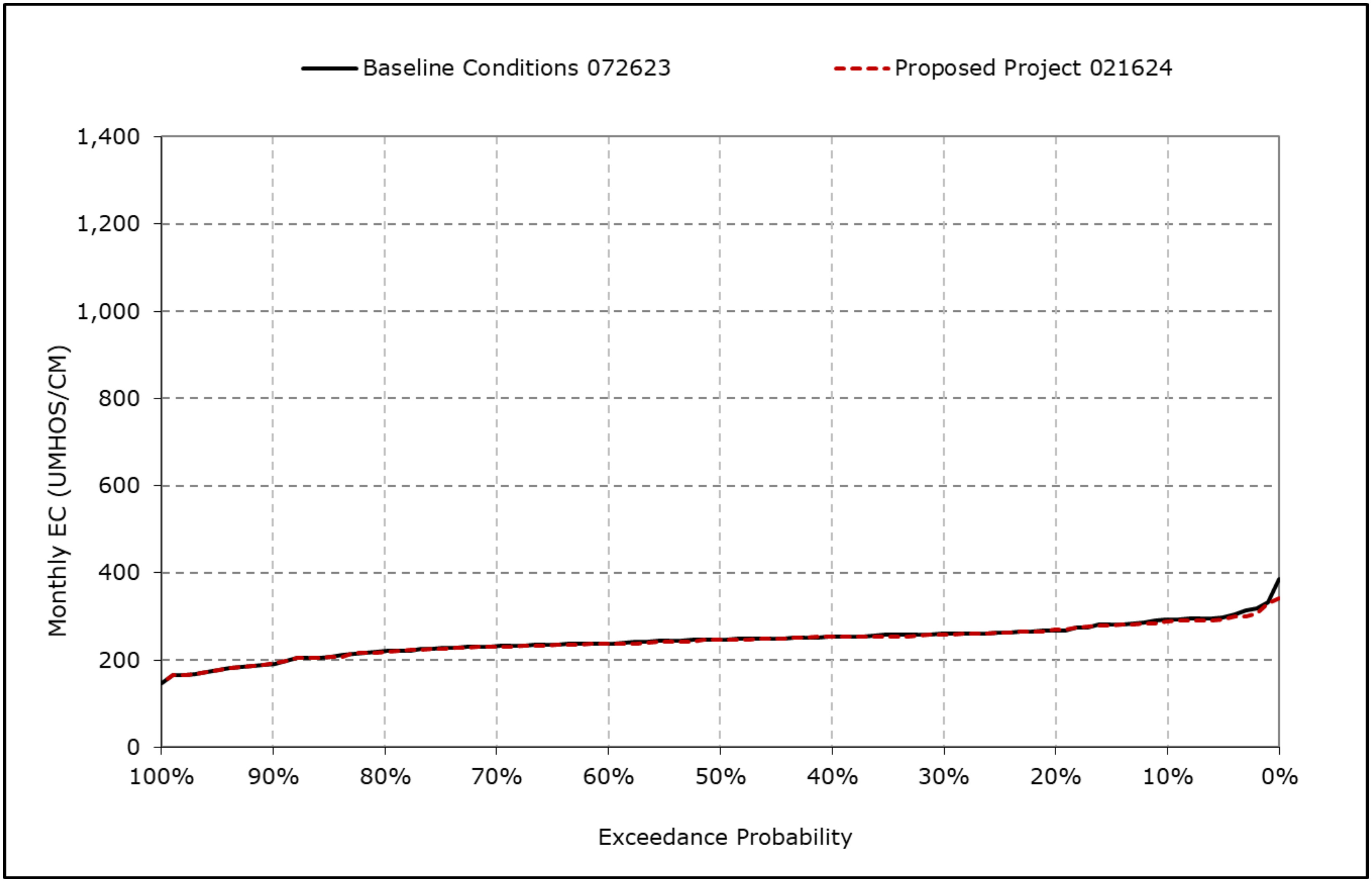
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-13l. San Joaquin River at San Andreas Salinity, March EC



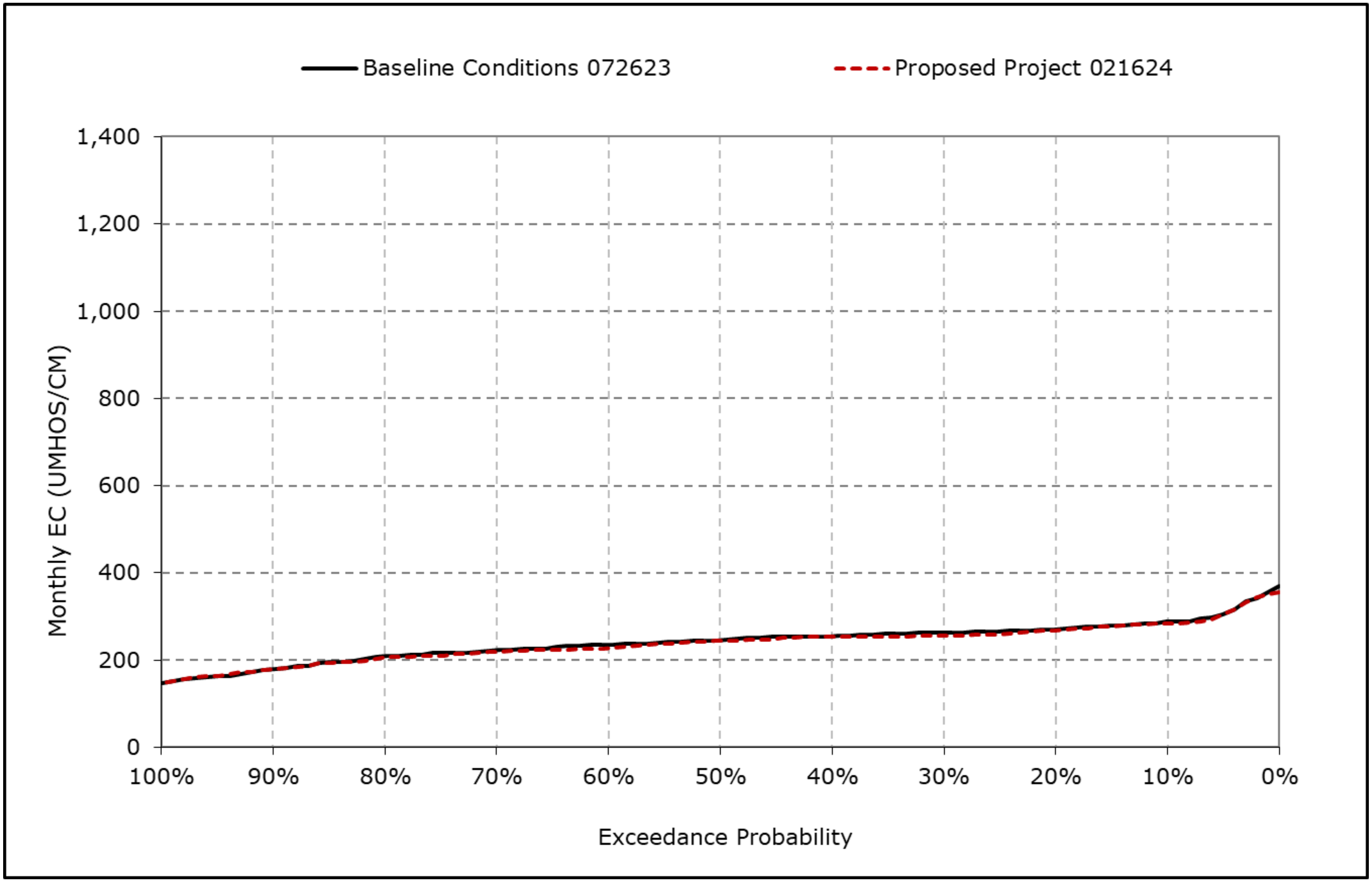
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-13m. San Joaquin River at San Andreas Salinity, April EC



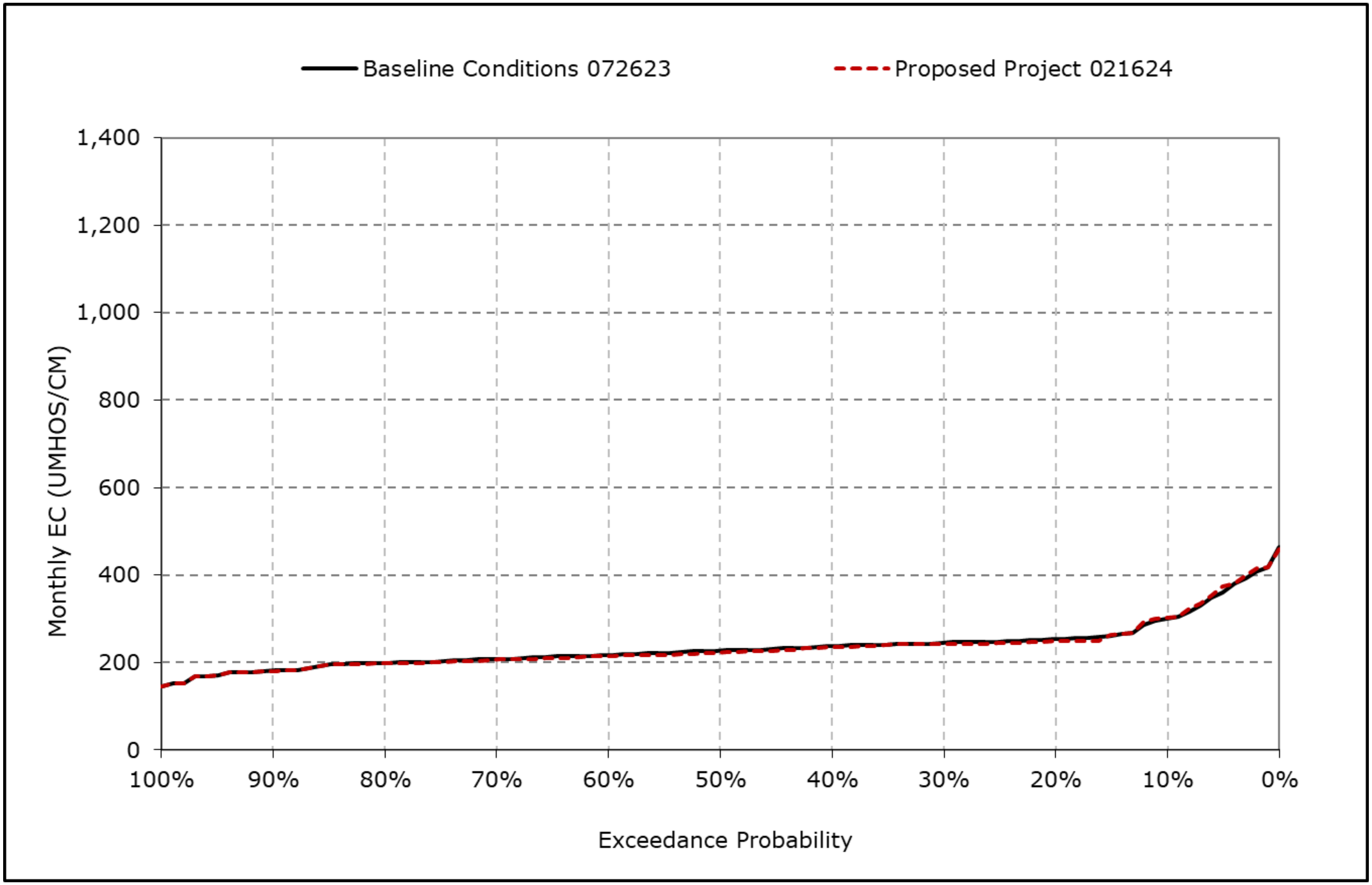
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-13n. San Joaquin River at San Andreas Salinity, May EC



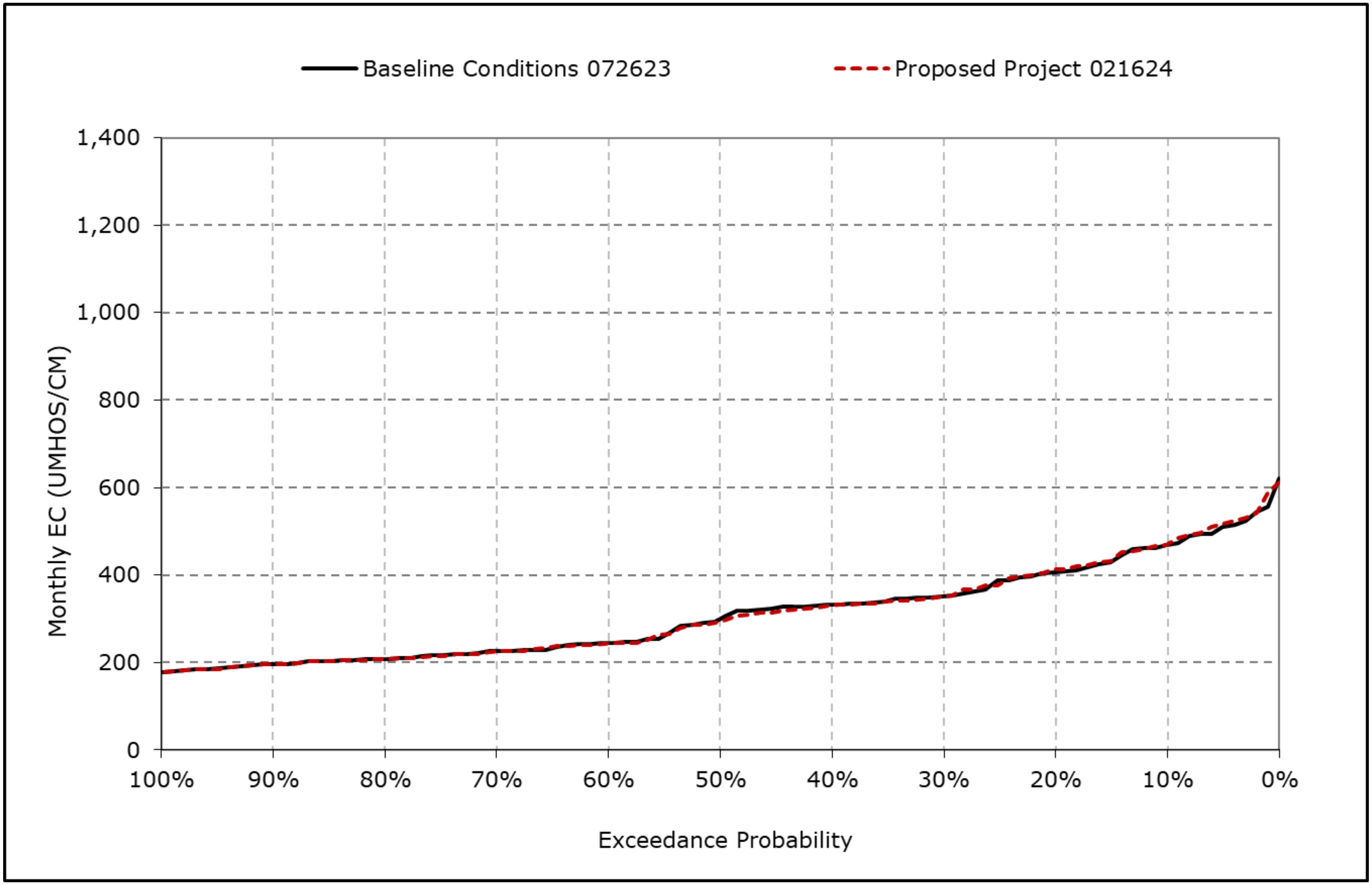
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-13o. San Joaquin River at San Andreas Salinity, June EC



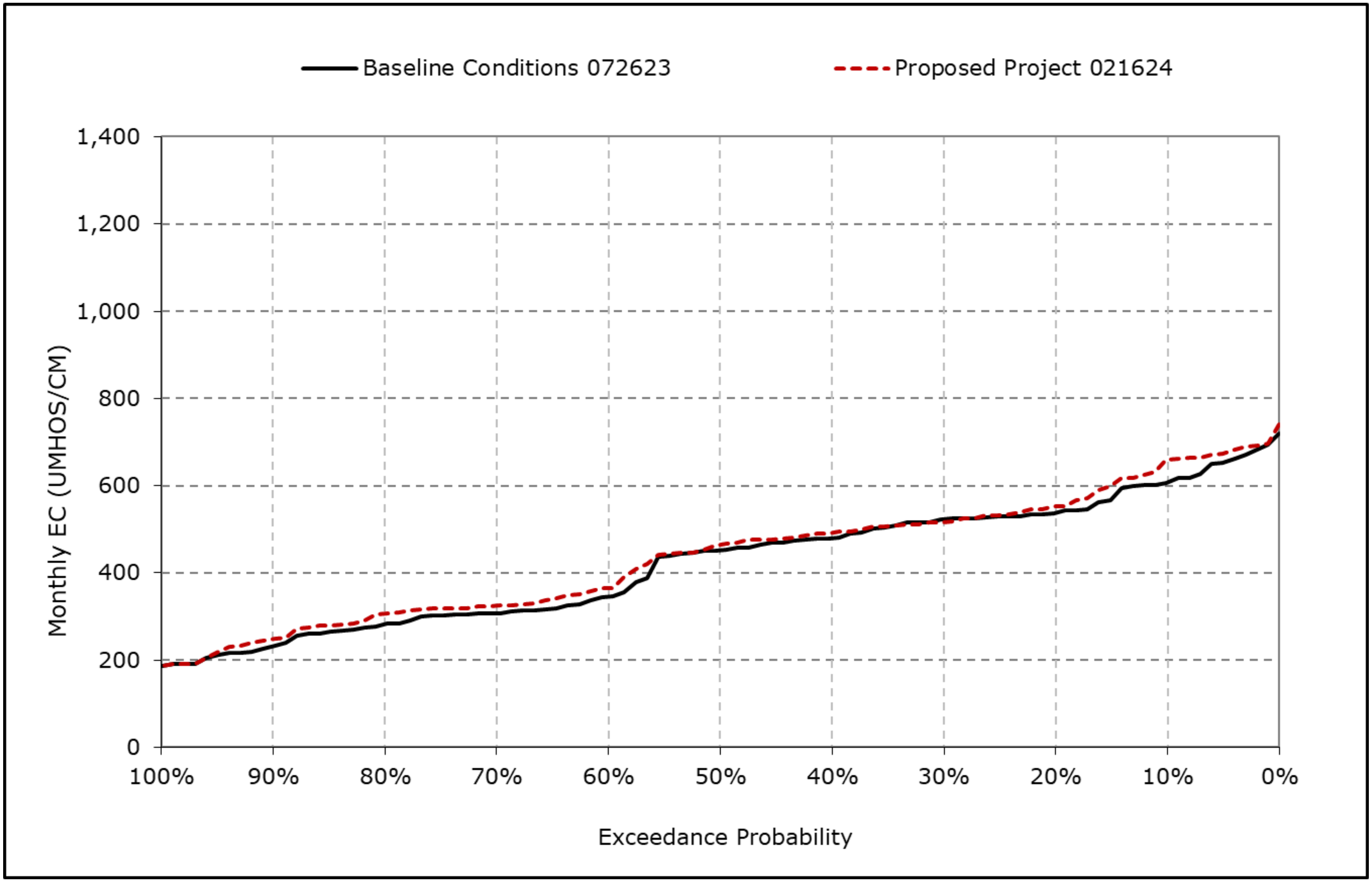
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-13p. San Joaquin River at San Andreas Salinity, July EC



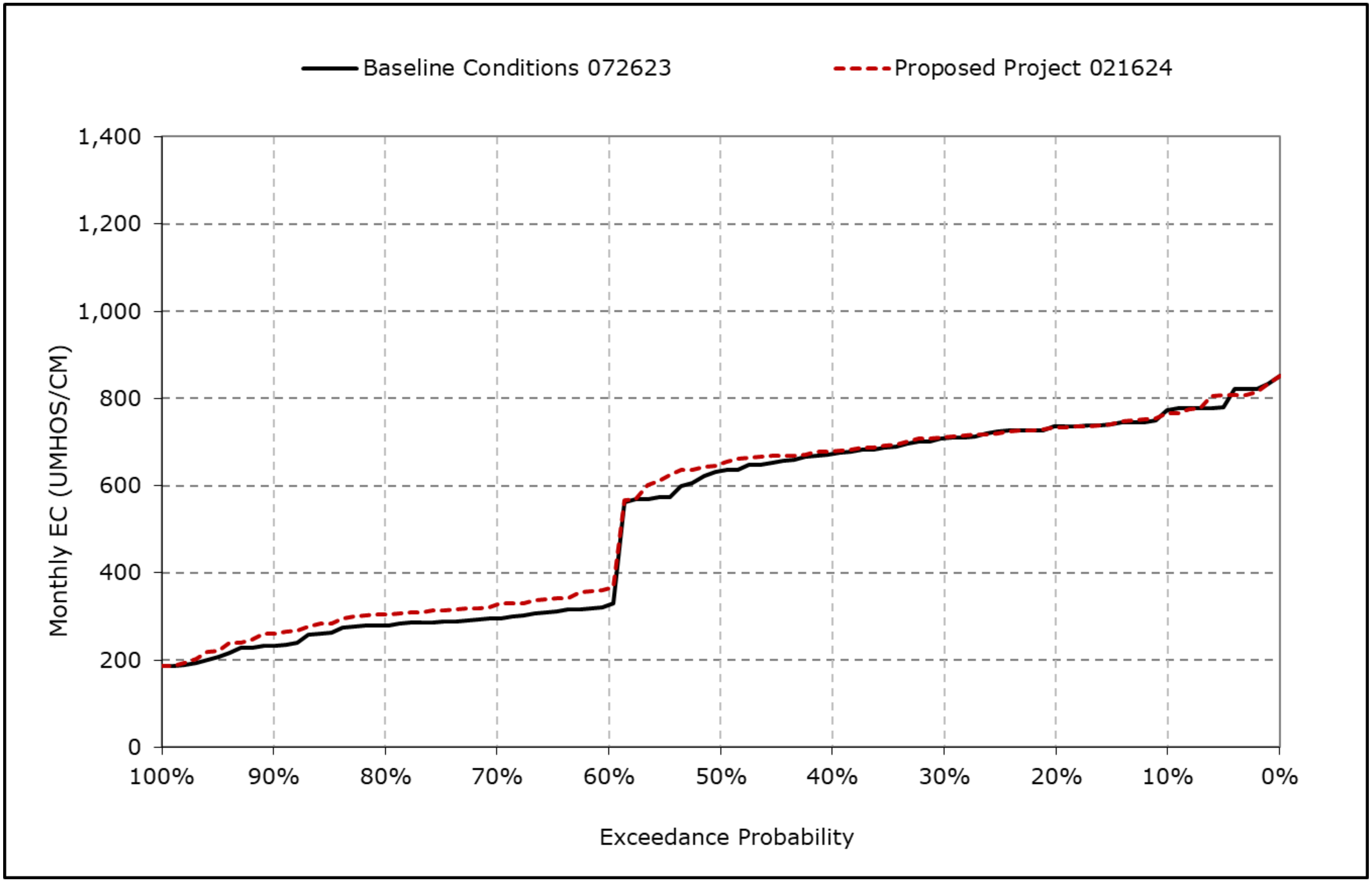
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-13q. San Joaquin River at San Andreas Salinity, August EC



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

Figure 4B-6-13r. San Joaquin River at San Andreas Salinity, September EC



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

Table 4B-6-14-1a. San Joaquin River at Prisoners Point Salinity, Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	487	556	734	602	432	335	367	328	265	306	363	428
20% Exceedance	447	482	682	551	364	307	346	318	244	279	329	403
30% Exceedance	407	455	654	477	336	294	333	307	238	253	320	377
40% Exceedance	388	410	620	421	309	288	322	290	233	245	304	363
50% Exceedance	359	383	549	374	292	277	308	281	228	235	283	346
60% Exceedance	225	298	425	317	280	272	297	274	226	212	244	237
70% Exceedance	213	273	352	281	261	267	286	266	223	205	230	224
80% Exceedance	209	254	296	258	254	253	271	242	217	200	218	218
90% Exceedance	206	235	255	236	239	241	211	189	177	196	209	205
Full Simulation Period Average[a]	334	381	509	398	316	282	302	273	227	239	280	316
Wet Water Years (30%)	319	334	363	296	273	252	241	212	195	197	217	215
Above Normal Years (11%)	330	422	526	350	297	300	328	274	228	205	225	219
Below Normal Years (21%)	304	339	524	407	318	294	342	304	231	238	315	421
Dry Water Years (22%)	331	372	602	480	330	277	318	301	234	279	337	365
Critical Water Years (16%)	410	510	623	496	389	316	324	306	275	285	314	368

Table 4B-6-14-1b. San Joaquin River at Prisoners Point Salinity, Proposed Project 021624, Monthly EC (UMHOS/CM)

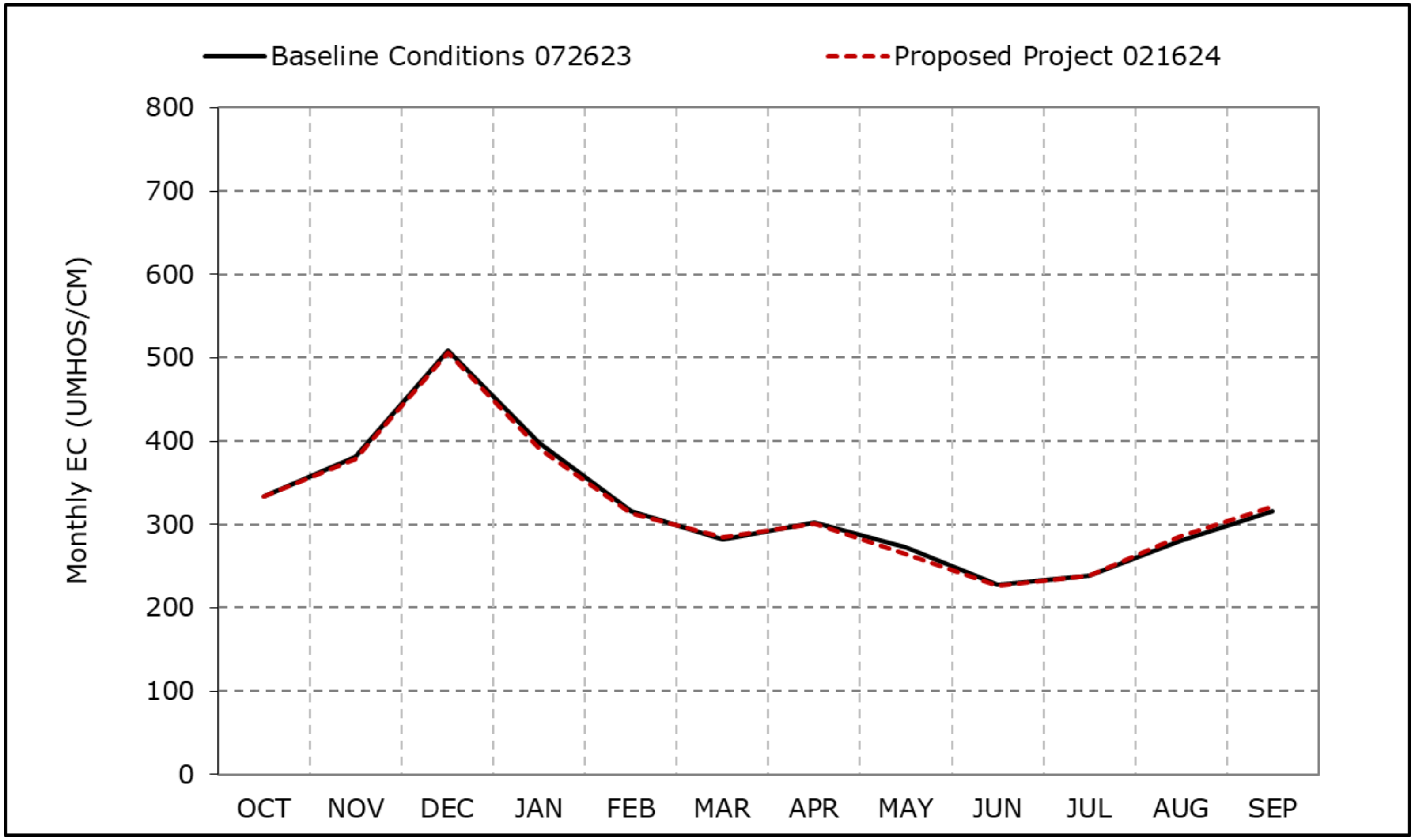
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	491	554	738	593	424	330	367	322	264	306	381	423
20% Exceedance	445	489	694	526	369	312	349	306	242	282	331	407
30% Exceedance	398	442	639	459	335	306	329	295	237	251	321	383
40% Exceedance	376	407	616	411	313	291	320	285	233	246	307	368
50% Exceedance	357	386	545	366	292	281	311	275	229	230	287	351
60% Exceedance	227	298	434	318	281	273	293	261	226	211	253	254
70% Exceedance	214	270	353	281	261	267	284	253	222	206	236	234
80% Exceedance	212	254	298	259	254	257	270	232	216	199	229	227
90% Exceedance	208	237	255	240	239	239	210	188	177	196	211	211
Full Simulation Period Average[a]	334	378	506	391	313	284	301	265	227	239	286	321
Wet Water Years (30%)	320	339	367	296	273	252	240	205	195	197	220	222
Above Normal Years (11%)	332	411	532	354	299	306	324	262	227	206	235	228
Below Normal Years (21%)	300	337	524	401	319	303	341	292	229	235	313	412
Dry Water Years (22%)	323	368	593	472	329	280	319	296	234	282	353	377
Critical Water Years (16%)	419	499	609	471	371	311	319	301	275	285	318	373

Table 4B-6-14-1c. San Joaquin River at Prisoners Point Salinity, Proposed Project 021624 minus Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3	-2	4	-9	-8	-5	0	-6	-1	0	18	-5
20% Exceedance	-1	7	12	-25	4	5	3	-12	-2	2	2	4
30% Exceedance	-9	-13	-14	-18	0	12	-4	-12	-1	-2	2	6
40% Exceedance	-13	-3	-4	-10	5	3	-2	-6	-1	1	3	6
50% Exceedance	-2	2	-5	-8	0	4	3	-5	1	-5	4	5
60% Exceedance	1	0	8	1	0	1	-4	-13	0	0	9	17
70% Exceedance	1	-3	1	0	1	1	-2	-13	-2	1	6	10
80% Exceedance	3	0	3	1	0	4	-1	-10	-1	0	11	9
90% Exceedance	2	3	0	4	0	-1	0	-1	0	0	2	6
Full Simulation Period Average[a]	0	-3	-3	-7	-3	2	-1	-8	0	0	6	5
Wet Water Years (30%)	1	4	3	0	0	0	-2	-7	0	0	4	8
Above Normal Years (11%)	2	-10	6	4	2	5	-4	-12	0	1	10	9
Below Normal Years (21%)	-5	-2	0	-6	1	9	0	-12	-2	-2	-2	-8
Dry Water Years (22%)	-7	-4	-9	-8	-1	3	1	-6	0	3	15	12
Critical Water Years (16%)	10	-11	-14	-26	-18	-5	-4	-6	0	0	4	5

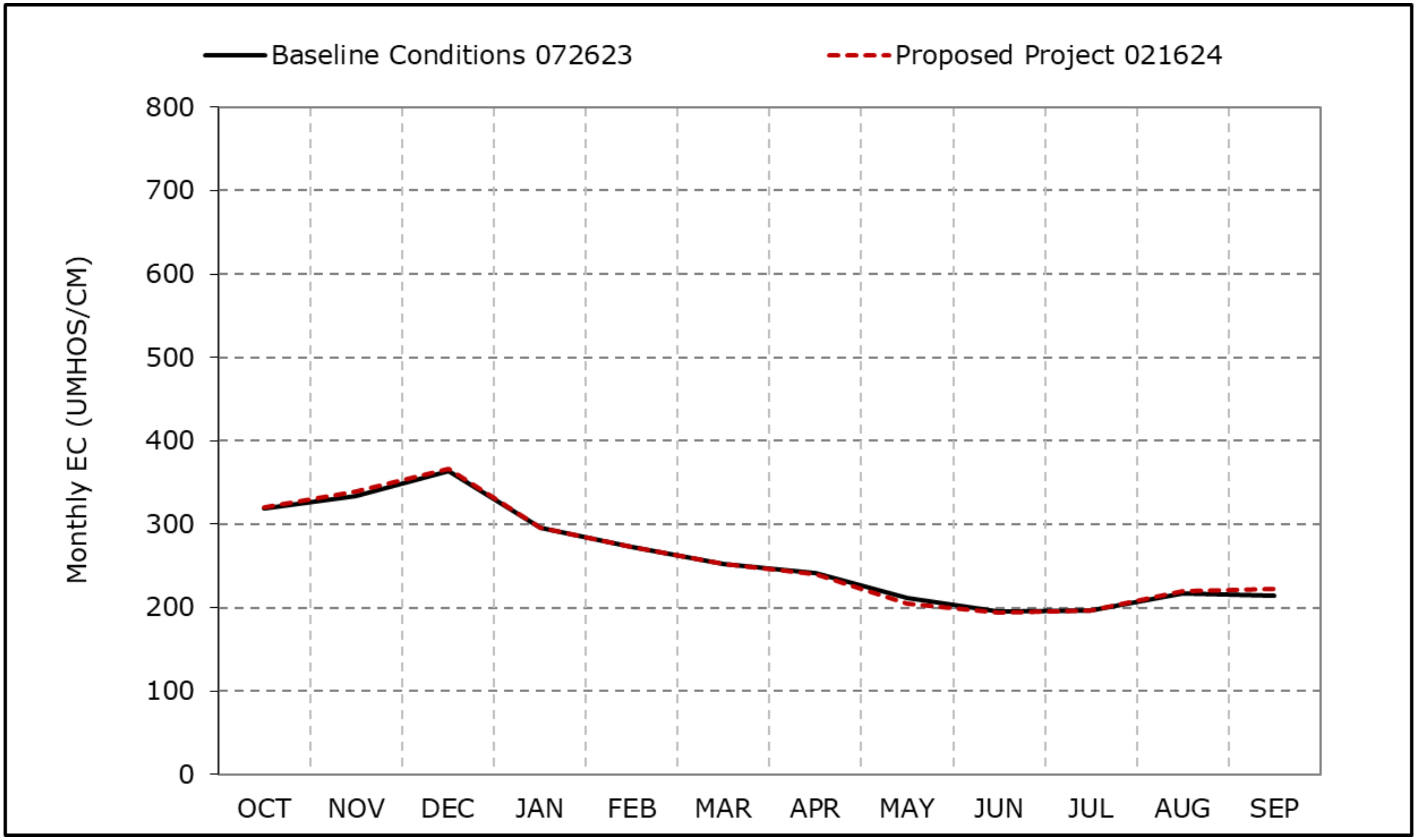
[a] Based on the 100-year simulation period.
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-6-14a. San Joaquin River at Prisoners Point Salinity, Long-Term Average EC



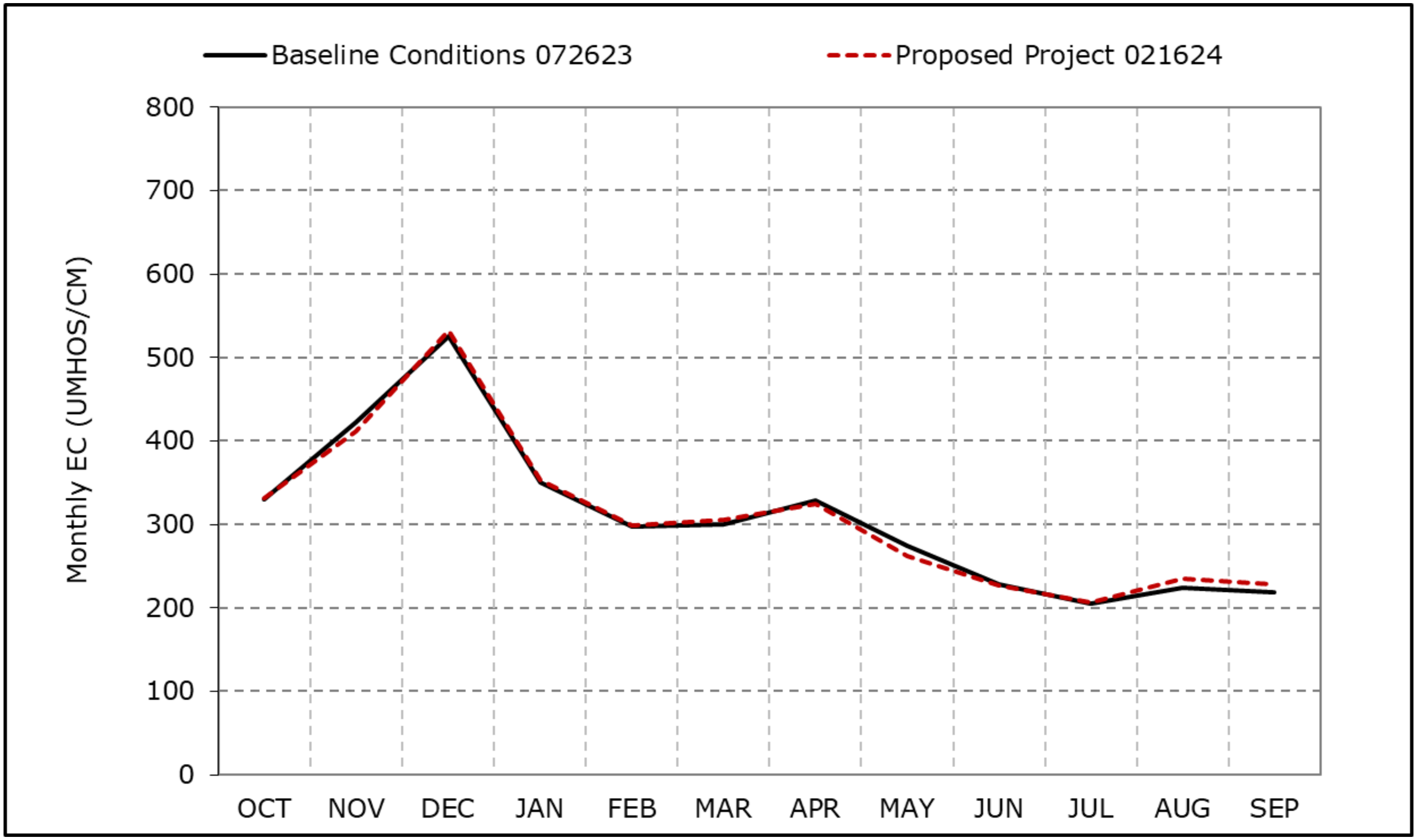
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-14b. San Joaquin River at Prisoners Point Salinity, Wet Year Average EC



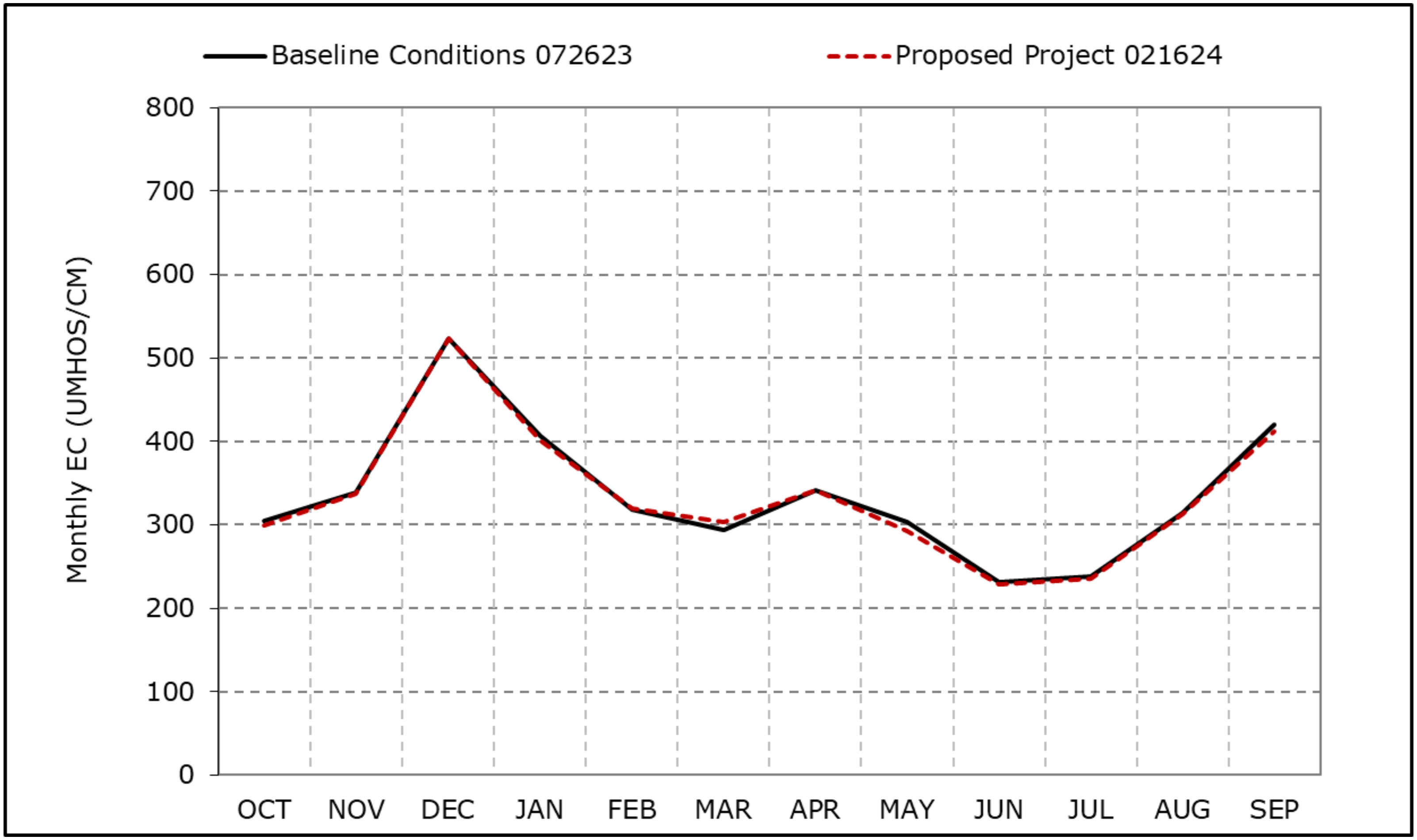
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-14c. San Joaquin River at Prisoners Point Salinity, Above Normal Year Average EC



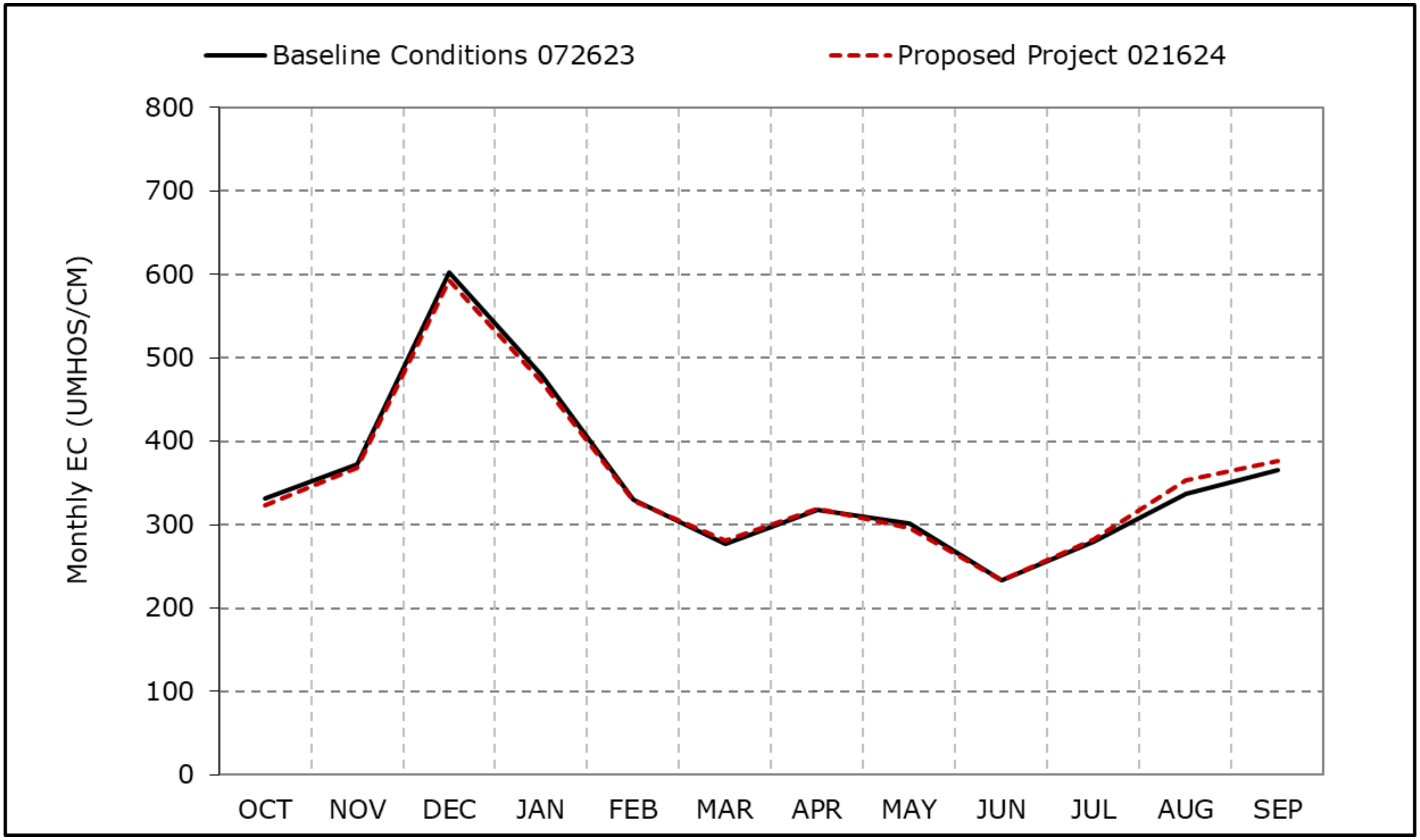
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-14d. San Joaquin River at Prisoners Point Salinity, Below Normal Year Average EC



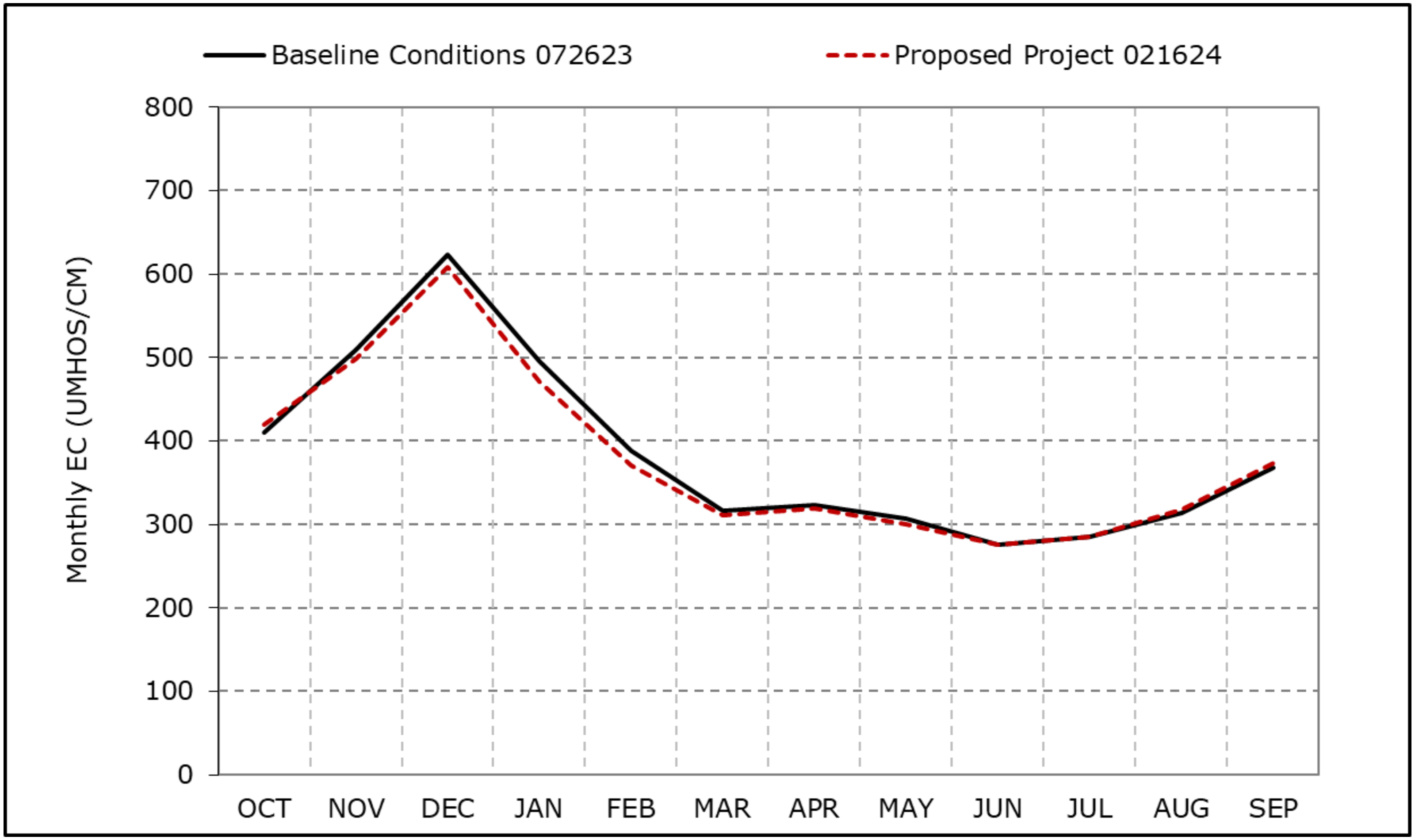
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-14e. San Joaquin River at Prisoners Point Salinity, Dry Year Average EC



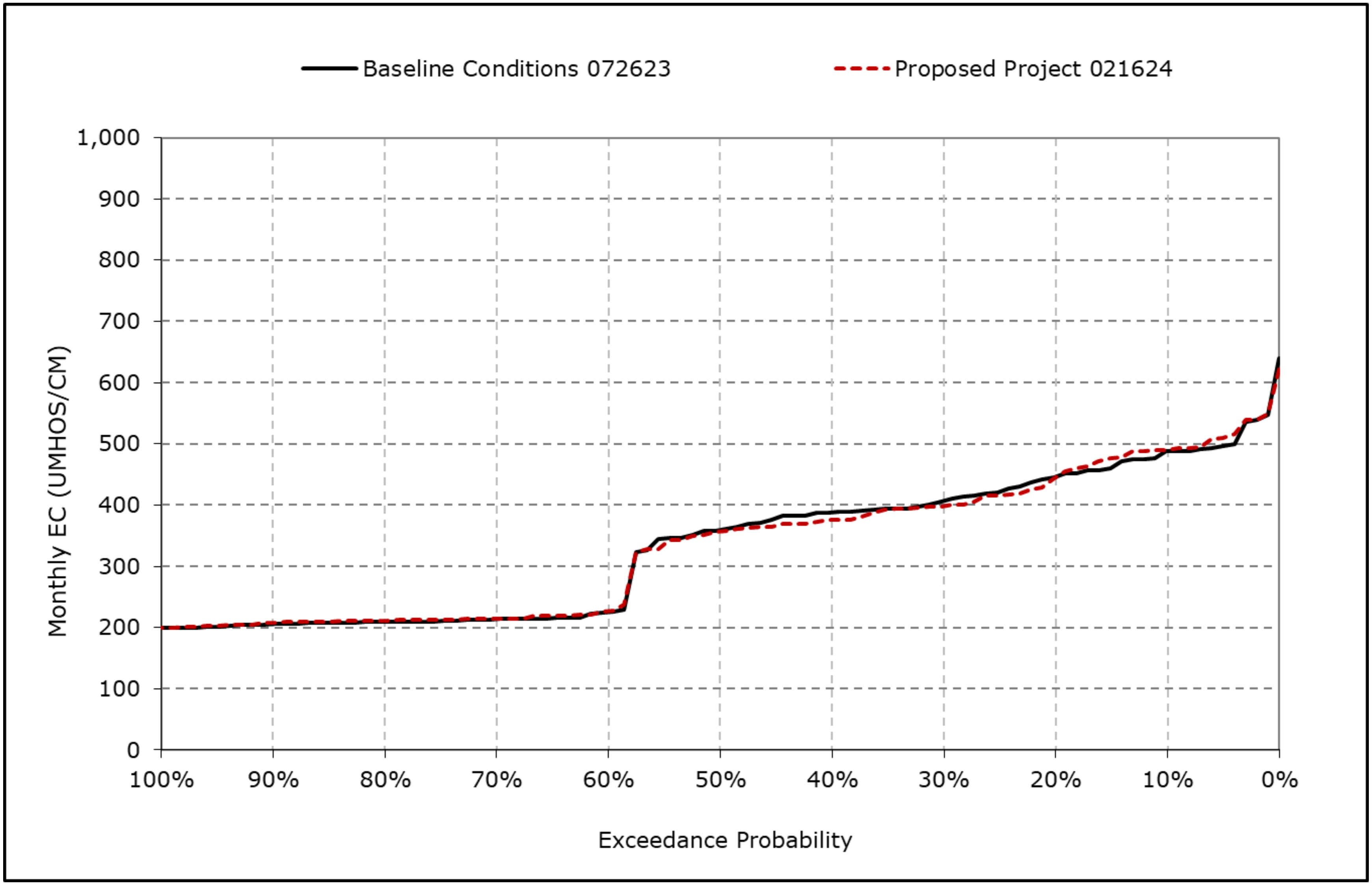
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-14f. San Joaquin River at Prisoners Point Salinity, Critical Year Average EC



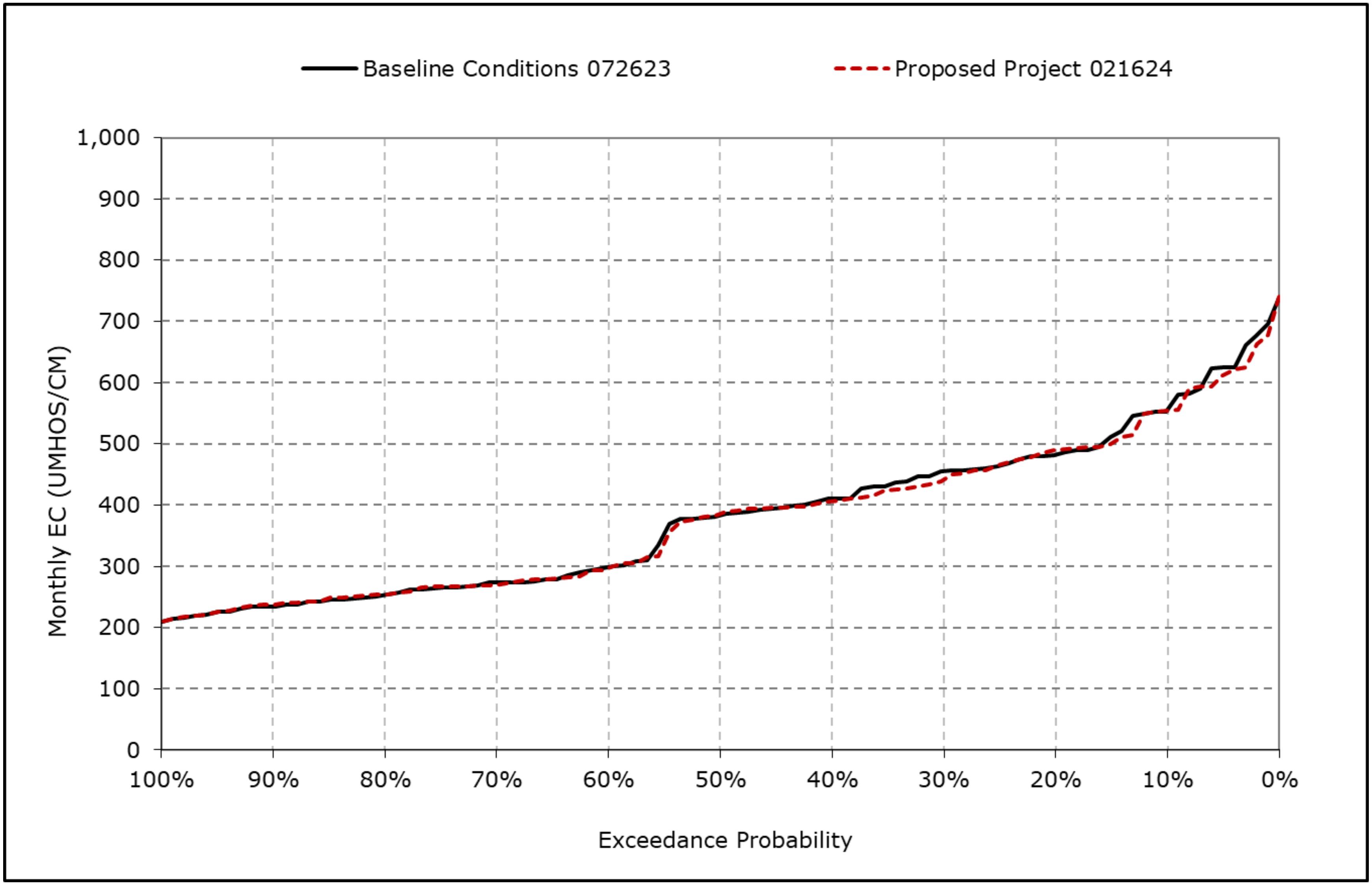
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-14g. San Joaquin River at Prisoners Point Salinity, October EC



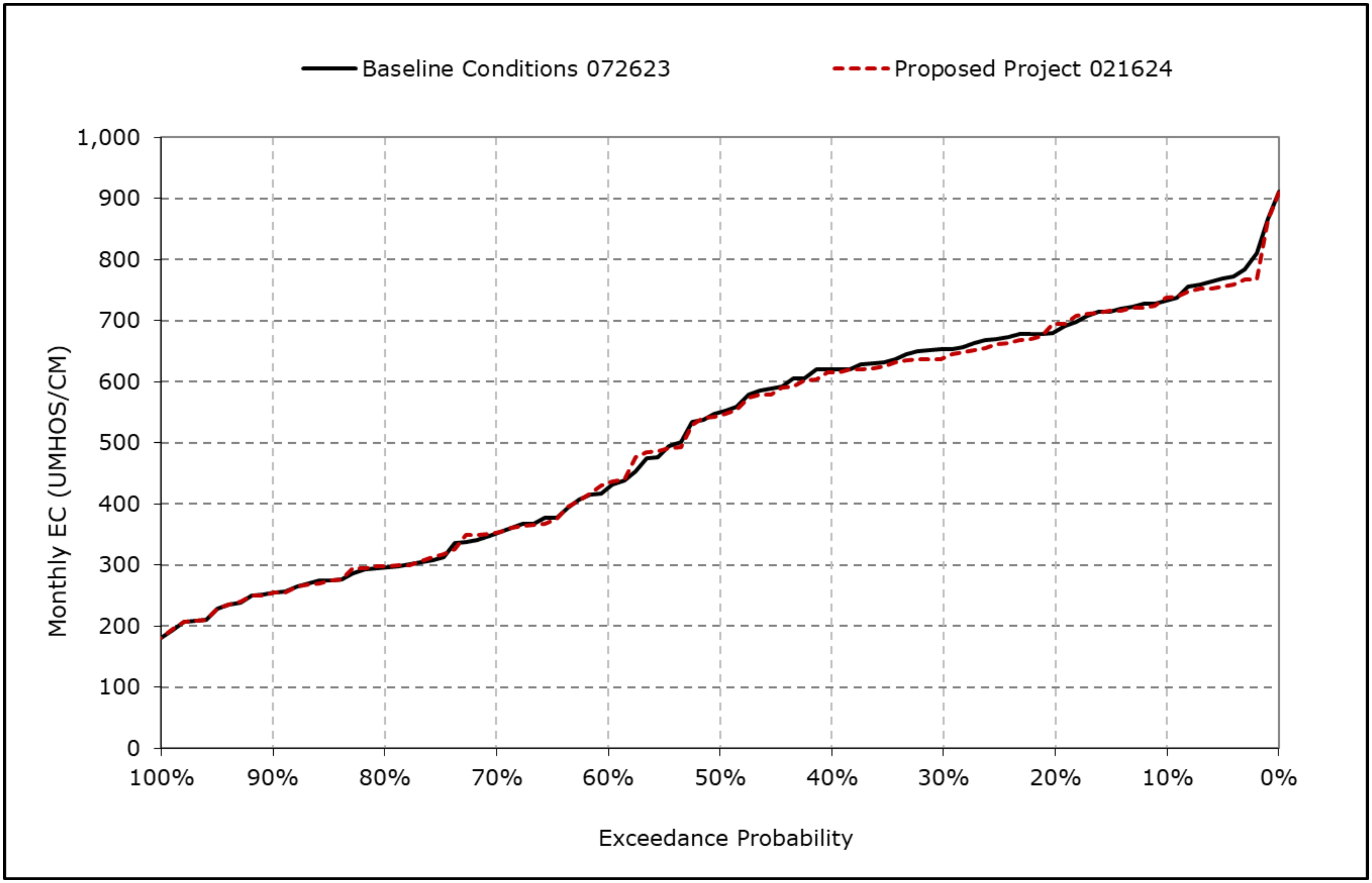
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-14h. San Joaquin River at Prisoners Point Salinity, November EC



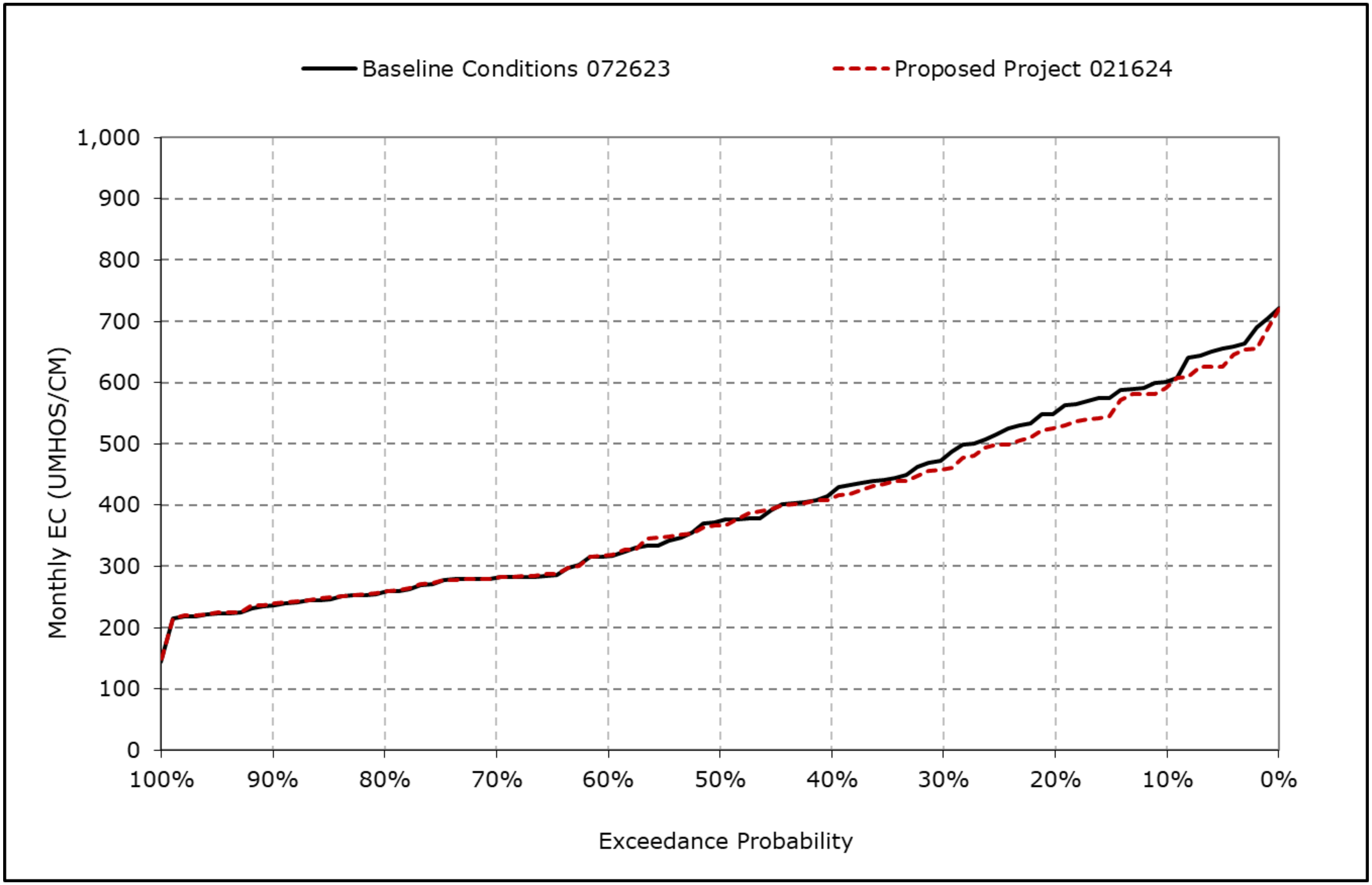
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-14i. San Joaquin River at Prisoners Point Salinity, December EC



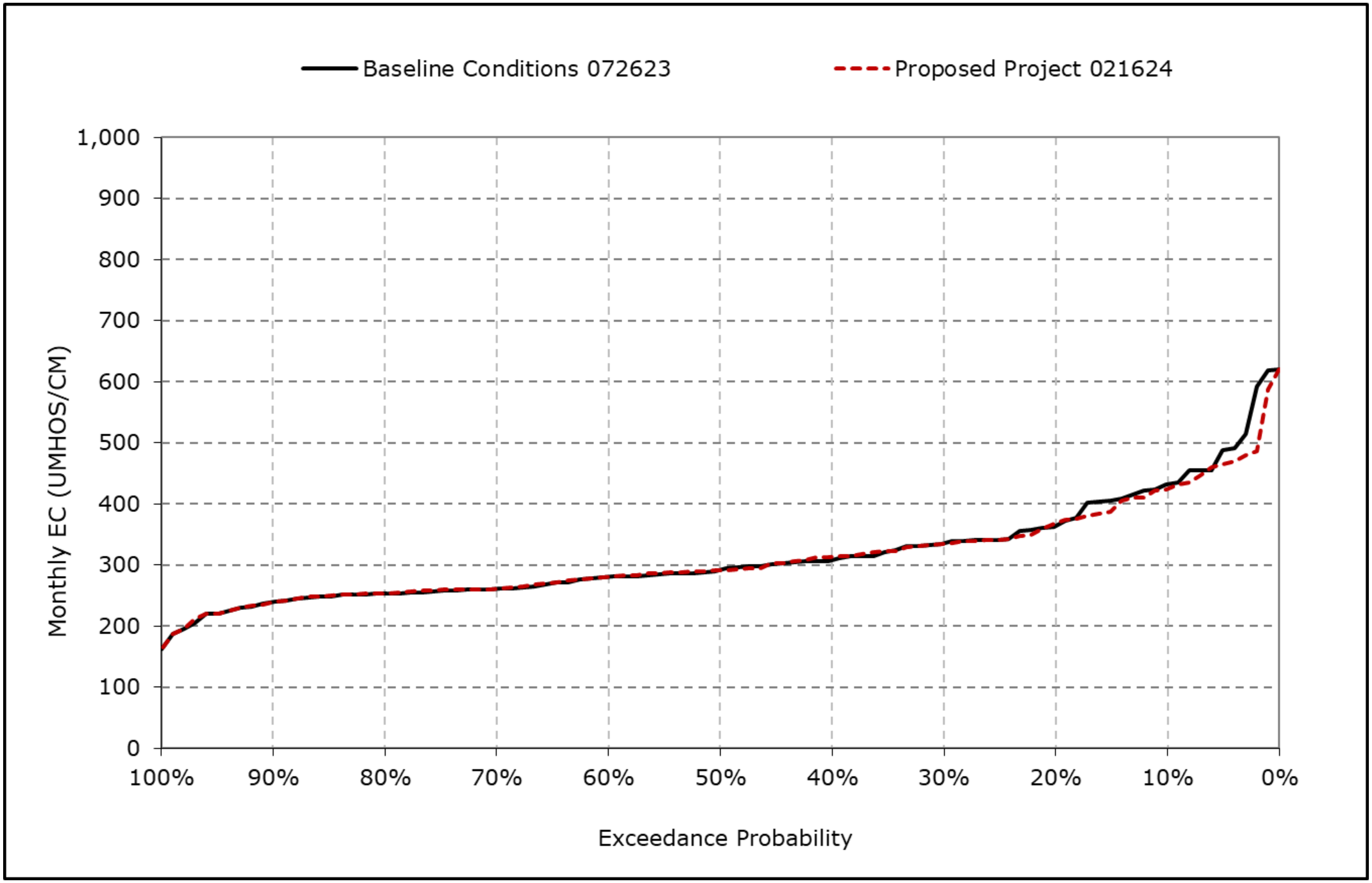
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-14j. San Joaquin River at Prisoners Point Salinity, January EC



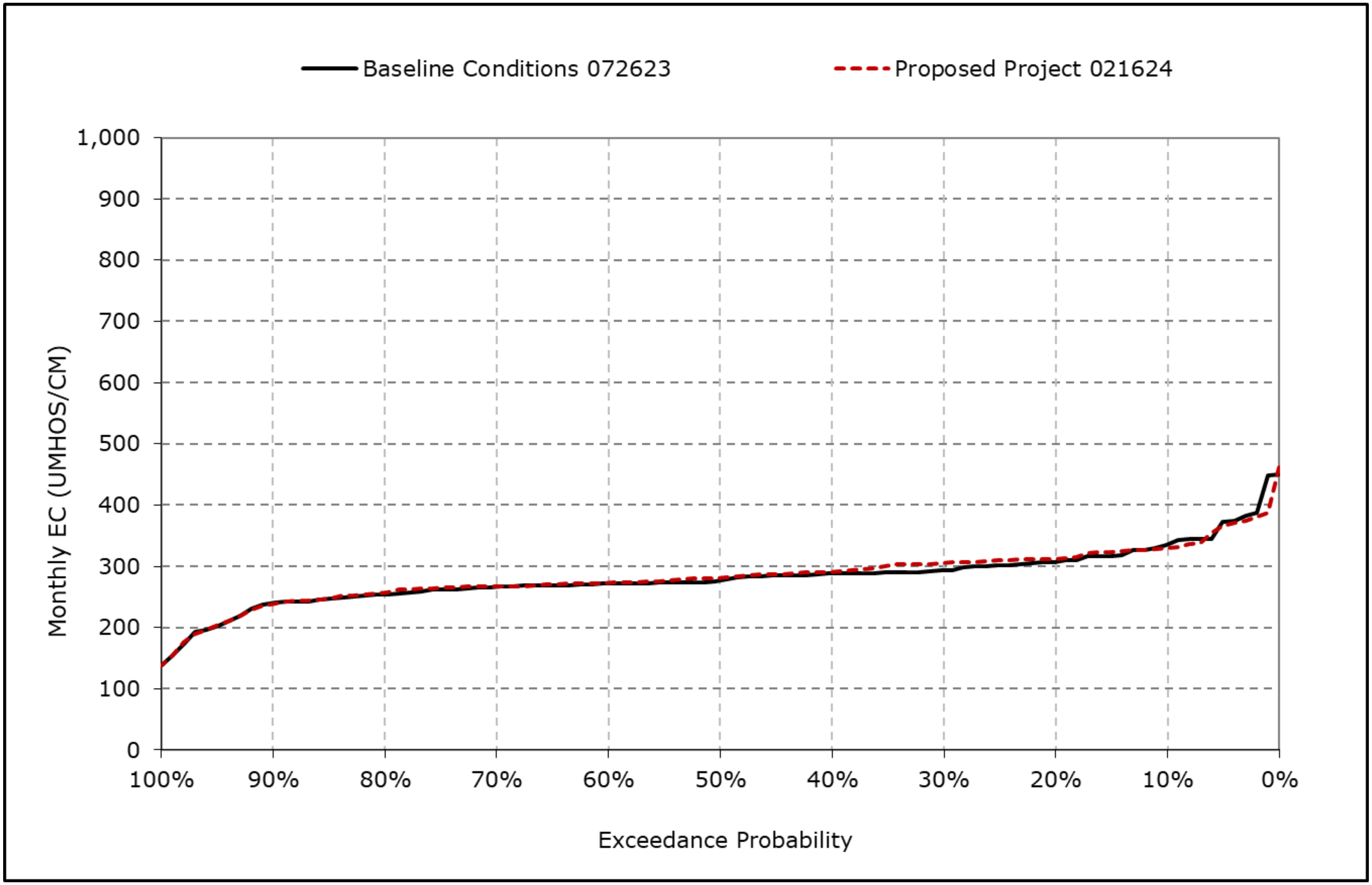
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-14k. San Joaquin River at Prisoners Point Salinity, February EC



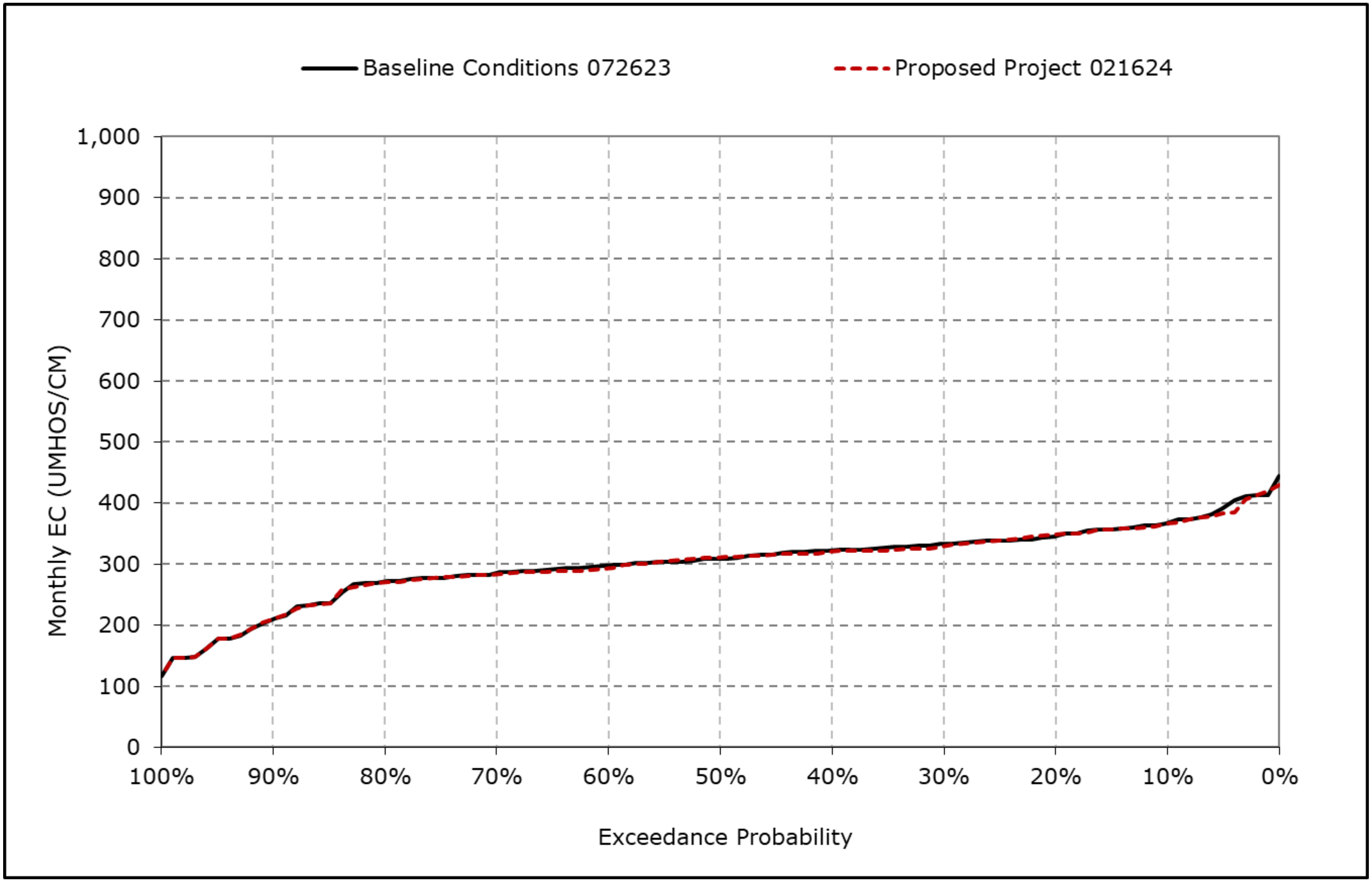
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-14l. San Joaquin River at Prisoners Point Salinity, March EC



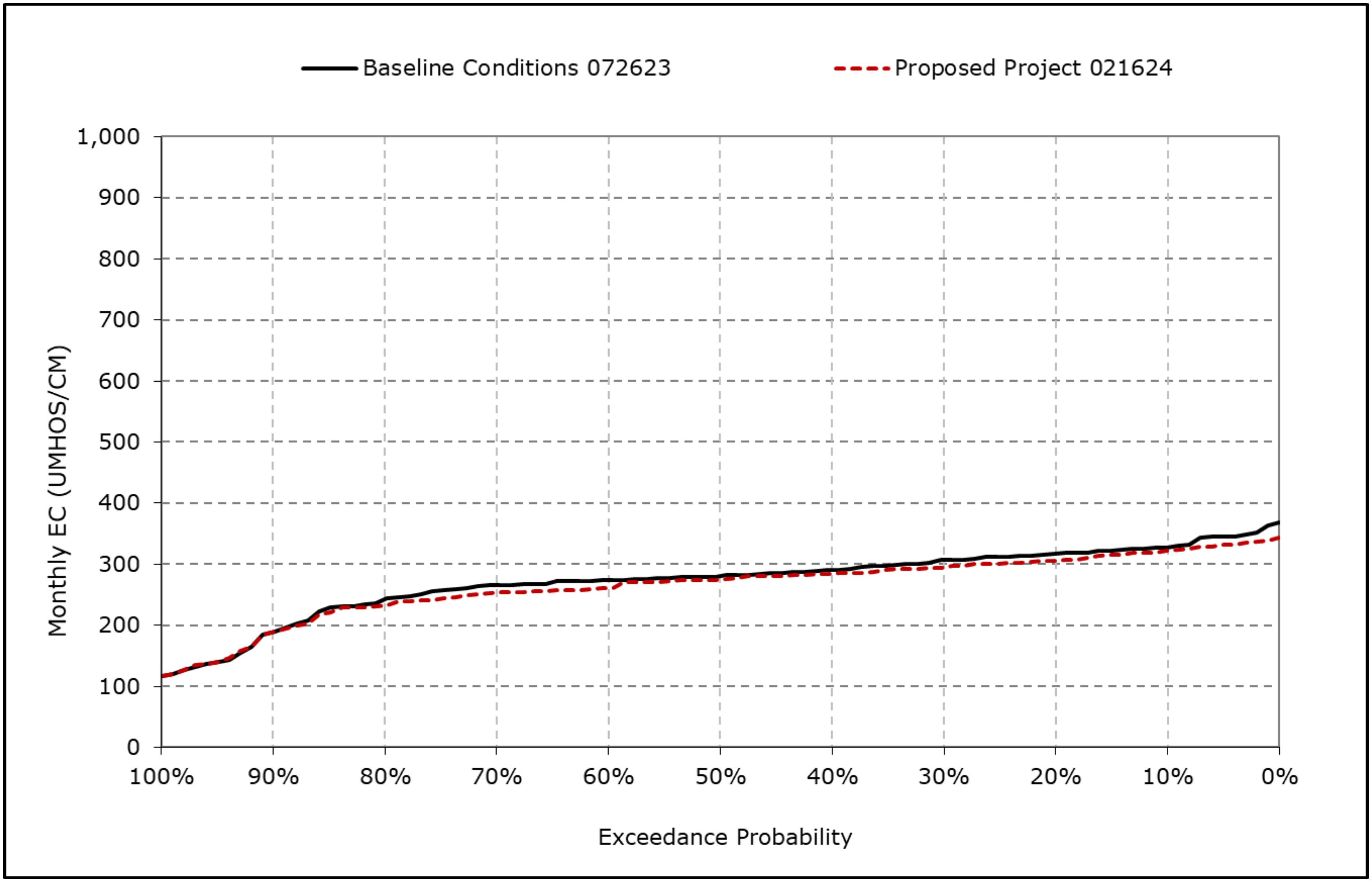
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-14m. San Joaquin River at Prisoners Point Salinity, April EC



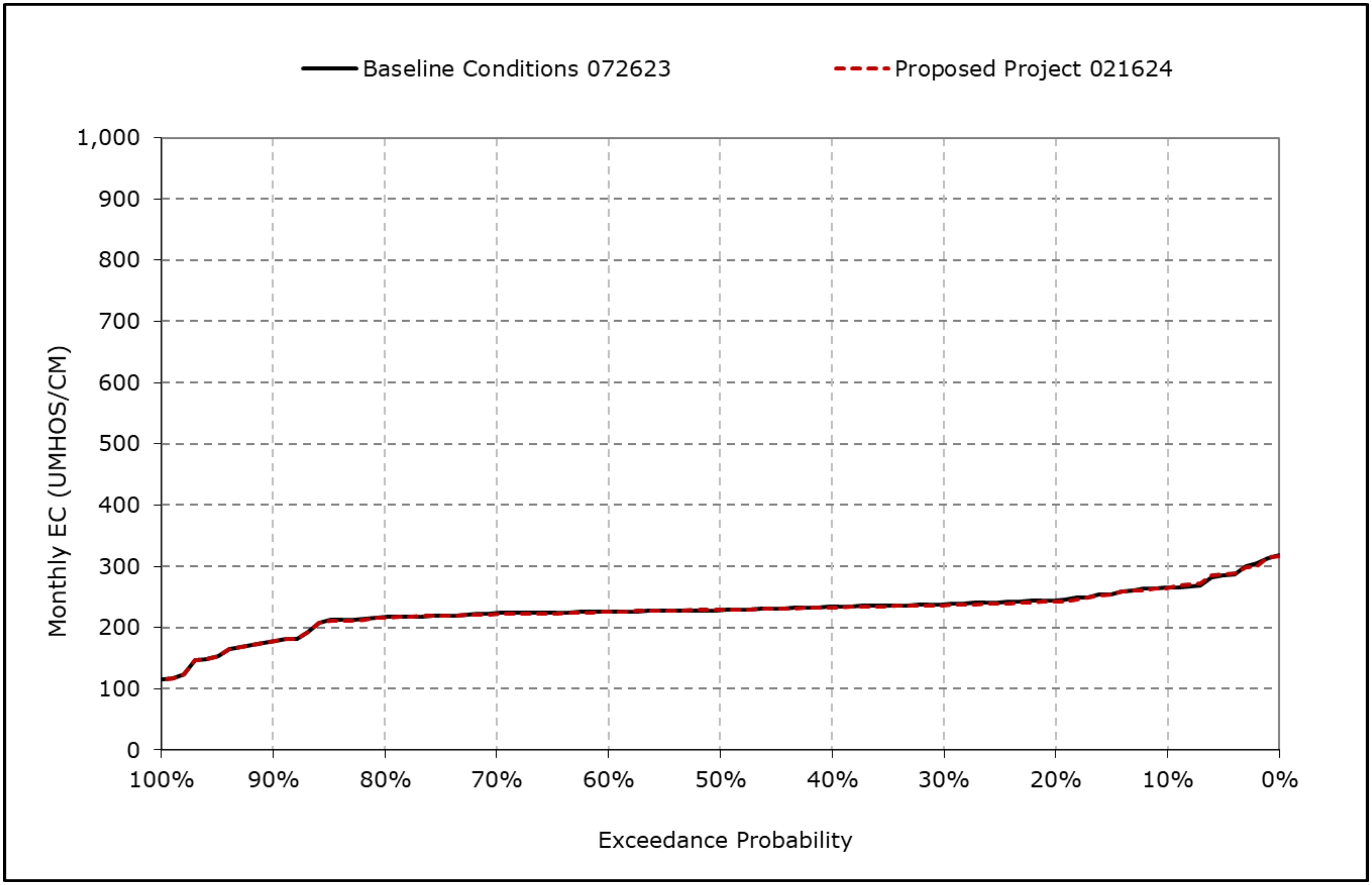
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-14n. San Joaquin River at Prisoners Point Salinity, May EC



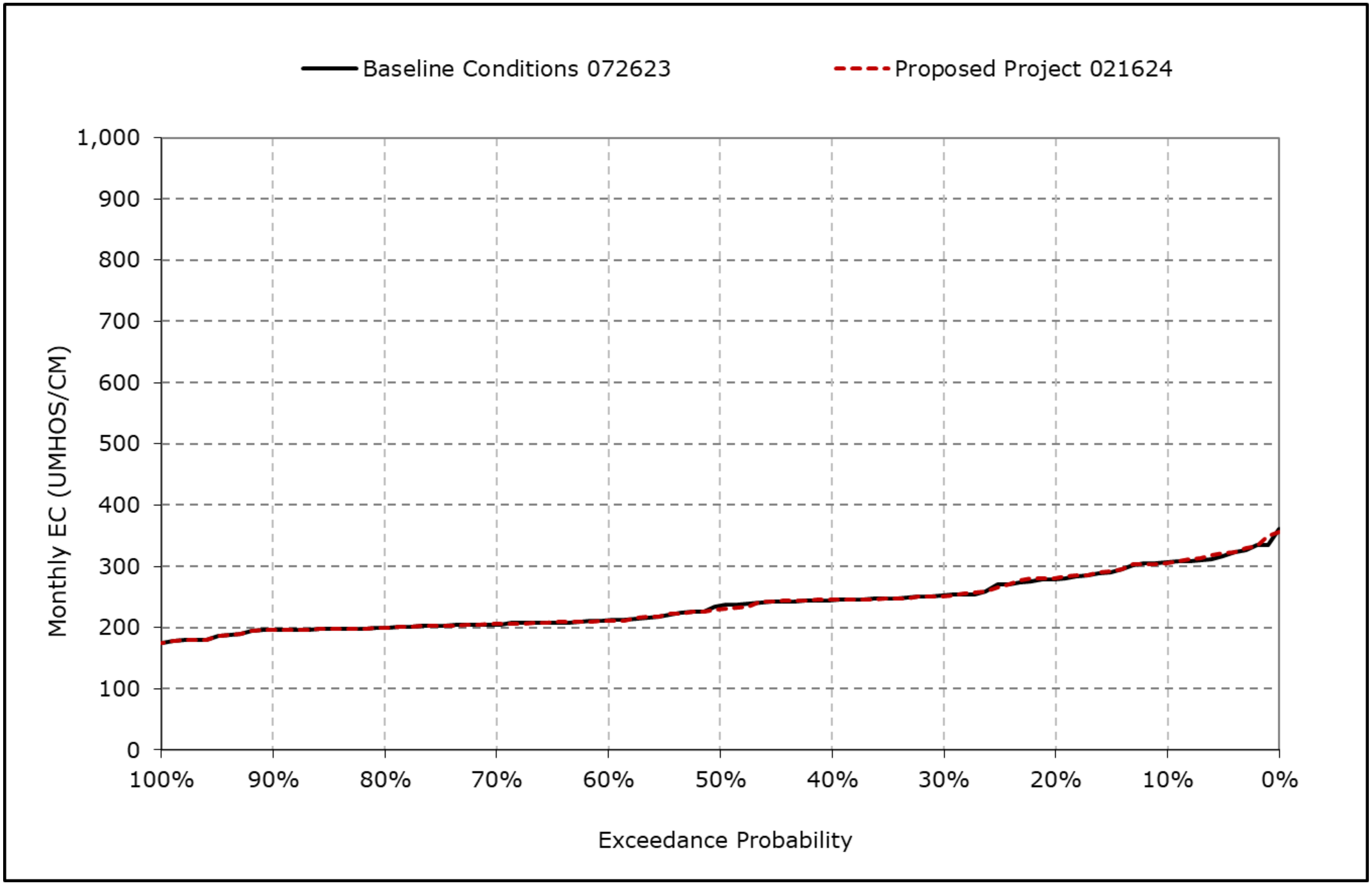
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-14o. San Joaquin River at Prisoners Point Salinity, June EC



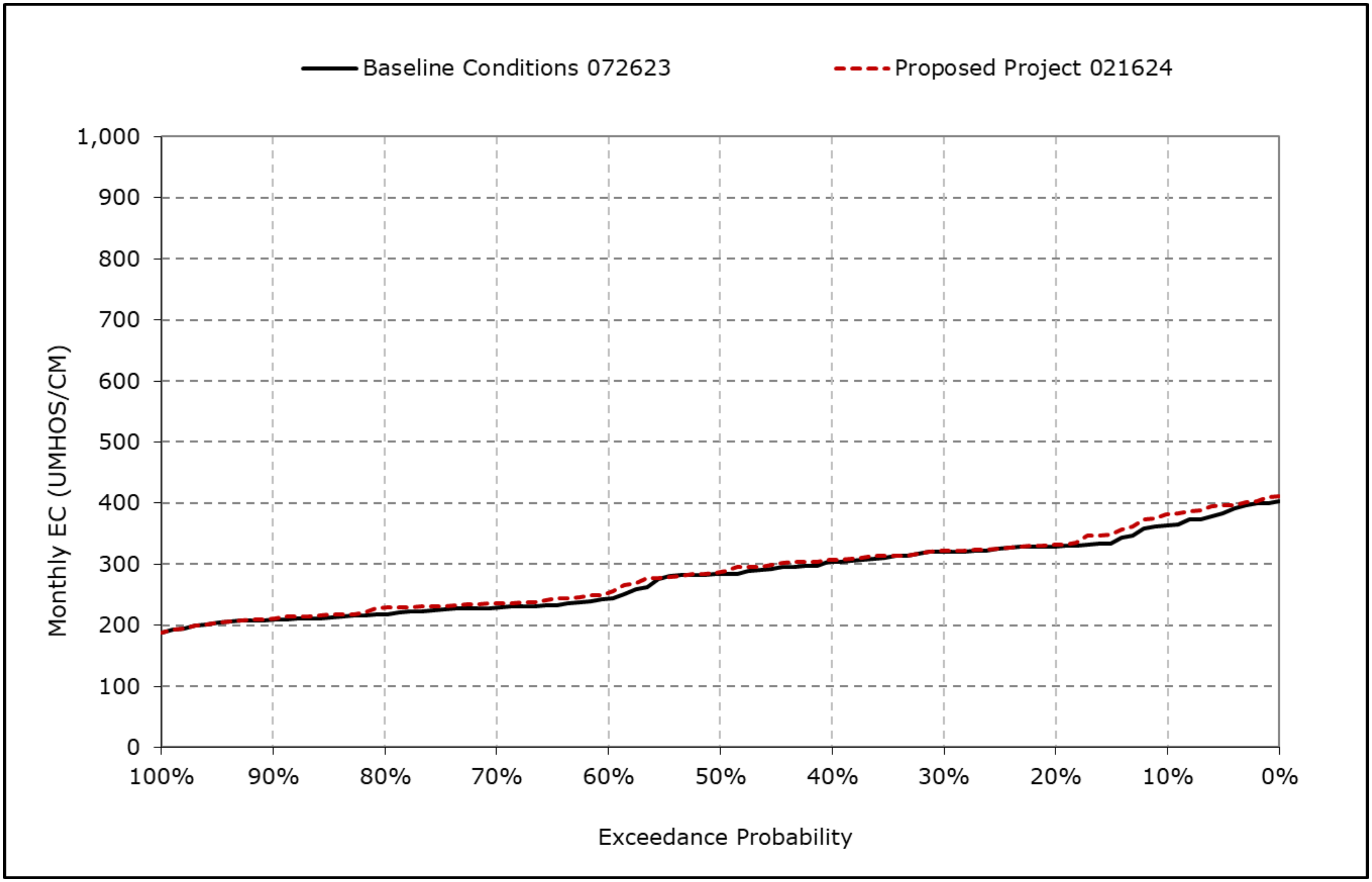
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-14p. San Joaquin River at Prisoners Point Salinity, July EC



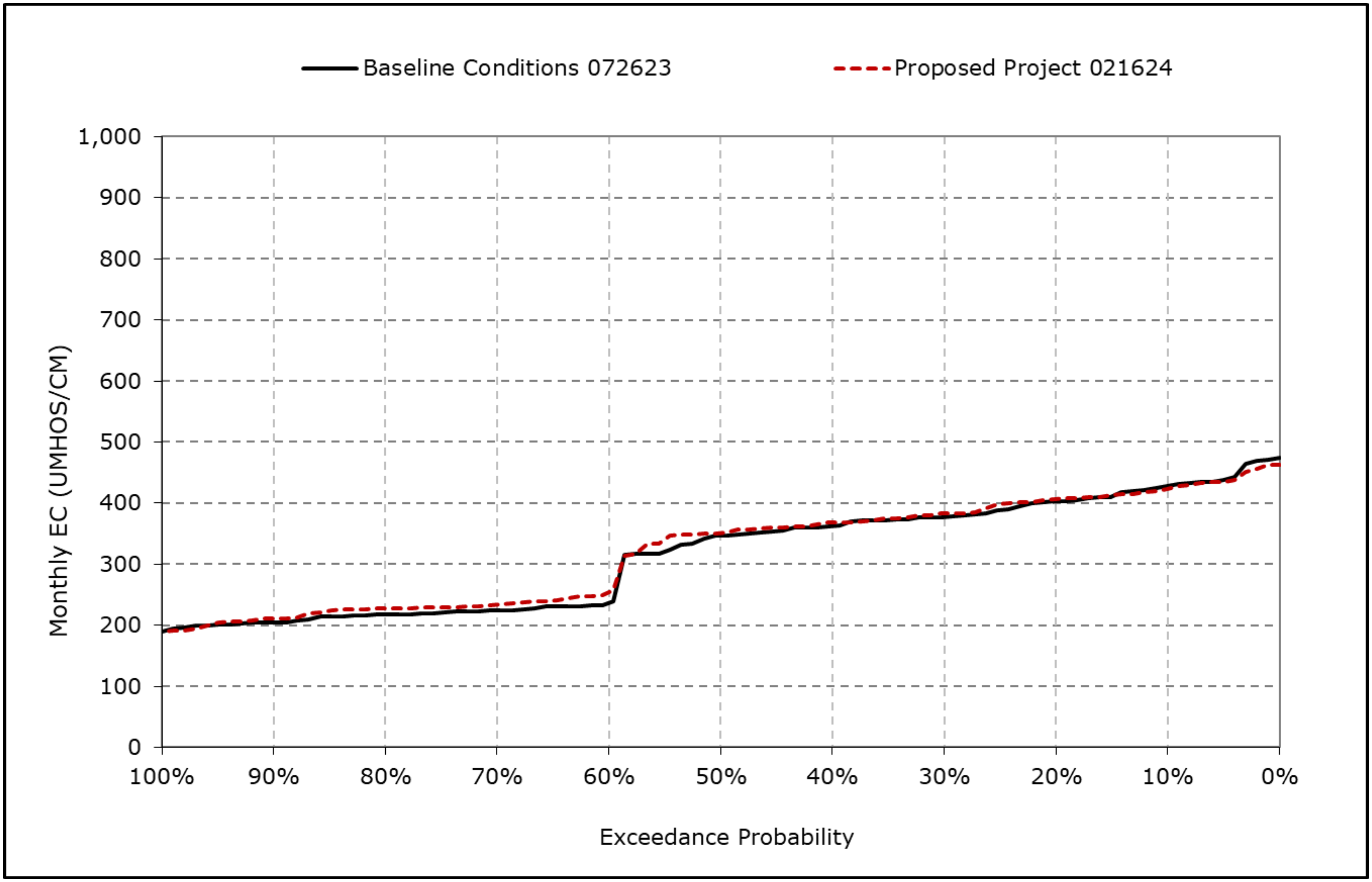
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-14q. San Joaquin River at Prisoners Point Salinity, August EC



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

Figure 4B-6-14r. San Joaquin River at Prisoners Point Salinity, September EC



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

Table 4B-6-15-1a. Old River at Rock Slough Salinity, Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	831	979	1,115	963	639	386	420	429	342	481	605	735
20% Exceedance	788	861	1,068	889	474	344	397	395	290	406	530	704
30% Exceedance	745	752	1,014	776	394	320	364	372	278	350	493	677
40% Exceedance	720	686	937	684	347	305	347	340	270	330	482	645
50% Exceedance	657	647	850	496	322	294	327	324	265	311	457	605
60% Exceedance	250	413	639	380	310	287	315	309	248	255	334	346
70% Exceedance	241	349	540	305	290	279	305	285	236	232	296	318
80% Exceedance	230	304	409	272	263	267	287	256	226	215	269	297
90% Exceedance	220	258	285	248	245	257	265	218	195	203	239	239
Full Simulation Period Average[a]	536	594	757	565	385	313	340	327	266	314	417	515
Wet Water Years (30%)	494	495	498	337	293	280	275	238	211	214	261	277
Above Normal Years (11%)	540	641	794	473	318	307	353	300	241	232	289	304
Below Normal Years (21%)	477	513	770	618	362	301	386	388	267	313	476	713
Dry Water Years (22%)	521	594	899	731	441	313	349	368	276	400	558	638
Critical Water Years (16%)	710	853	1,002	759	553	395	378	378	373	439	526	677

Table 4B-6-15-1b. Old River at Rock Slough Salinity, Proposed Project 021624, Monthly EC (UMHOS/CM)

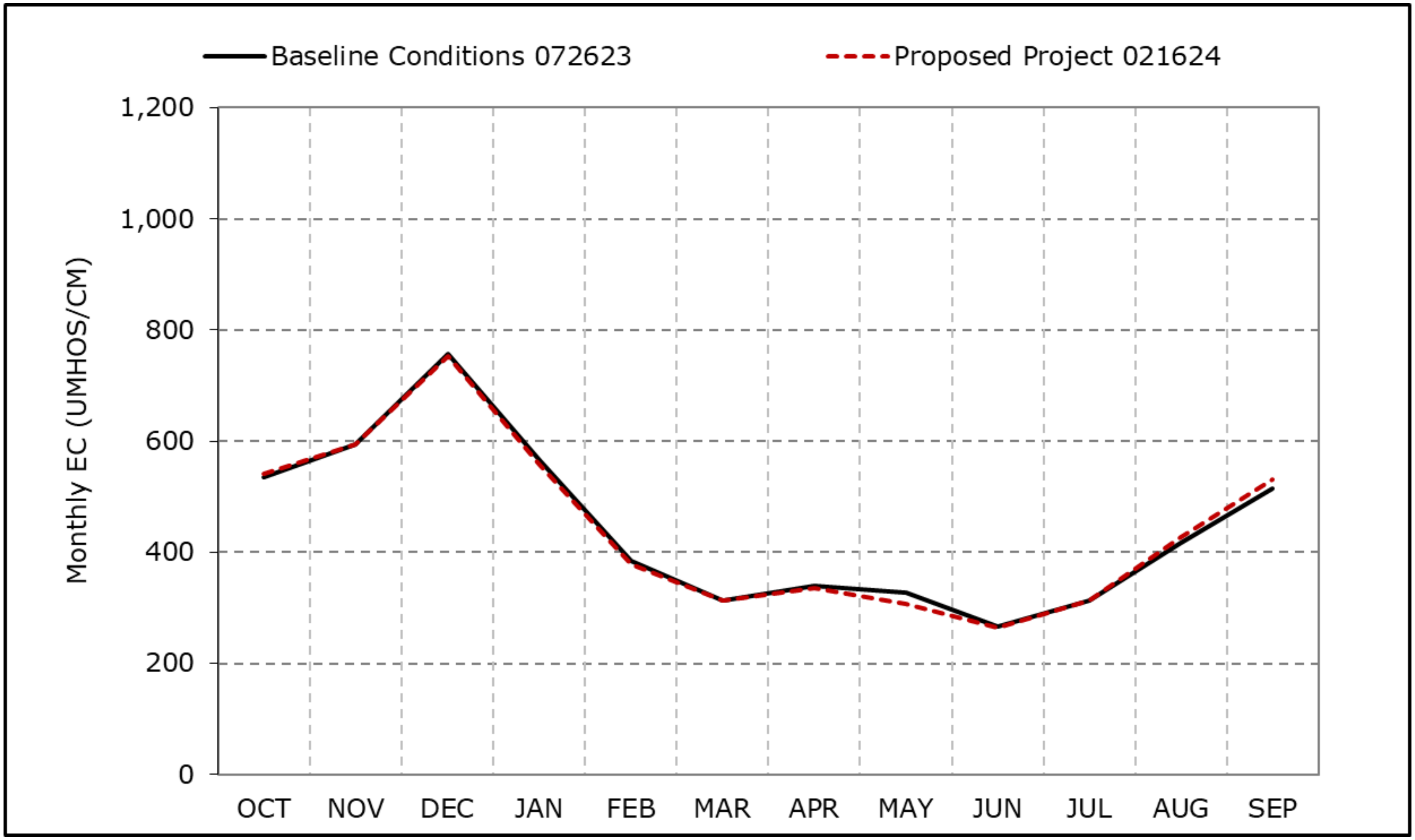
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	848	981	1,116	935	626	379	418	397	344	476	638	732
20% Exceedance	809	842	1,055	849	451	345	393	372	282	413	547	702
30% Exceedance	735	740	1,002	751	400	325	369	355	275	347	505	689
40% Exceedance	697	686	934	661	342	309	344	332	269	329	478	656
50% Exceedance	666	648	833	511	323	304	333	319	257	295	449	621
60% Exceedance	264	405	668	378	308	295	319	292	243	252	357	381
70% Exceedance	247	346	532	315	291	288	301	265	236	232	312	344
80% Exceedance	238	308	420	273	263	268	284	238	223	215	293	323
90% Exceedance	224	259	284	249	245	253	259	209	192	203	247	271
Full Simulation Period Average[a]	540	593	753	556	378	313	335	307	263	314	428	530
Wet Water Years (30%)	501	503	503	337	293	280	273	223	209	213	270	298
Above Normal Years (11%)	547	636	796	484	314	308	334	277	238	233	310	330
Below Normal Years (21%)	472	511	772	609	362	312	391	356	260	306	469	699
Dry Water Years (22%)	517	586	889	719	442	313	344	349	274	405	587	672
Critical Water Years (16%)	731	853	983	725	513	379	366	365	373	441	531	687

Table 4B-6-15-1c. Old River at Rock Slough Salinity, Proposed Project 021624 minus Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	17	2	1	-28	-12	-7	-2	-32	1	-5	33	-3
20% Exceedance	21	-19	-13	-40	-22	1	-3	-24	-8	7	17	-1
30% Exceedance	-9	-12	-12	-25	6	5	5	-17	-3	-3	12	12
40% Exceedance	-22	0	-3	-23	-6	5	-3	-8	-1	-1	-5	11
50% Exceedance	10	1	-17	15	1	10	6	-6	-8	-16	-8	16
60% Exceedance	14	-8	29	-2	-2	8	3	-16	-5	-3	23	36
70% Exceedance	7	-3	-8	10	1	10	-5	-19	0	0	16	26
80% Exceedance	8	3	10	1	0	1	-2	-17	-2	0	23	26
90% Exceedance	4	1	-2	1	0	-4	-6	-9	-3	0	7	31
Full Simulation Period Average[a]	4	0	-3	-9	-7	0	-4	-20	-3	0	11	15
Wet Water Years (30%)	8	8	5	0	0	0	-2	-14	-2	0	9	22
Above Normal Years (11%)	7	-5	2	11	-3	2	-18	-23	-3	1	20	26
Below Normal Years (21%)	-5	-2	2	-9	-1	11	6	-32	-7	-7	-7	-14
Dry Water Years (22%)	-4	-8	-11	-12	1	1	-5	-18	-1	5	29	34
Critical Water Years (16%)	21	-1	-19	-34	-40	-16	-12	-13	1	2	5	11

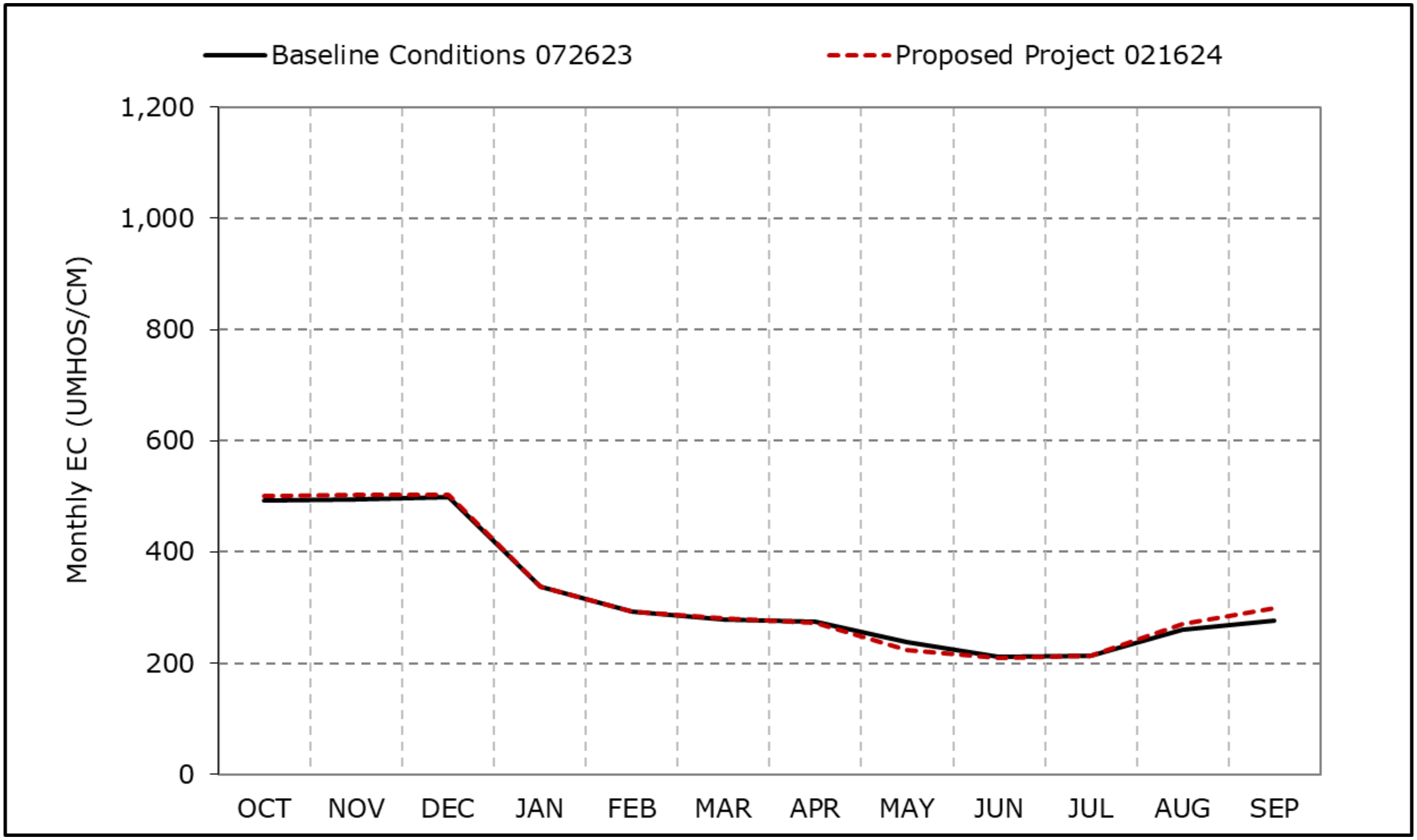
[a] Based on the 100-year simulation period.
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-6-15a. Old River at Rock Slough Salinity, Long-Term Average EC



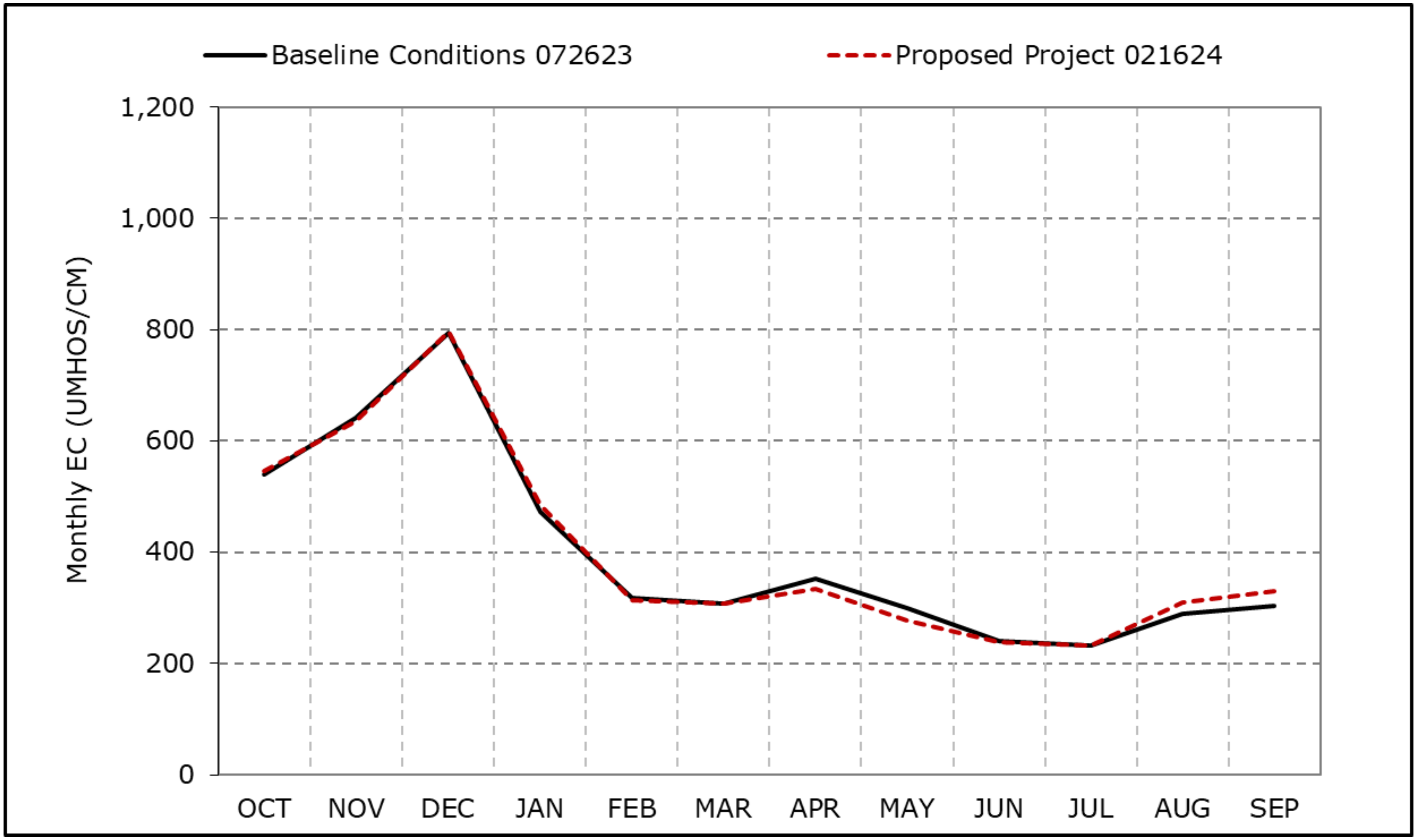
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-15b. Old River at Rock Slough Salinity, Wet Year Average EC



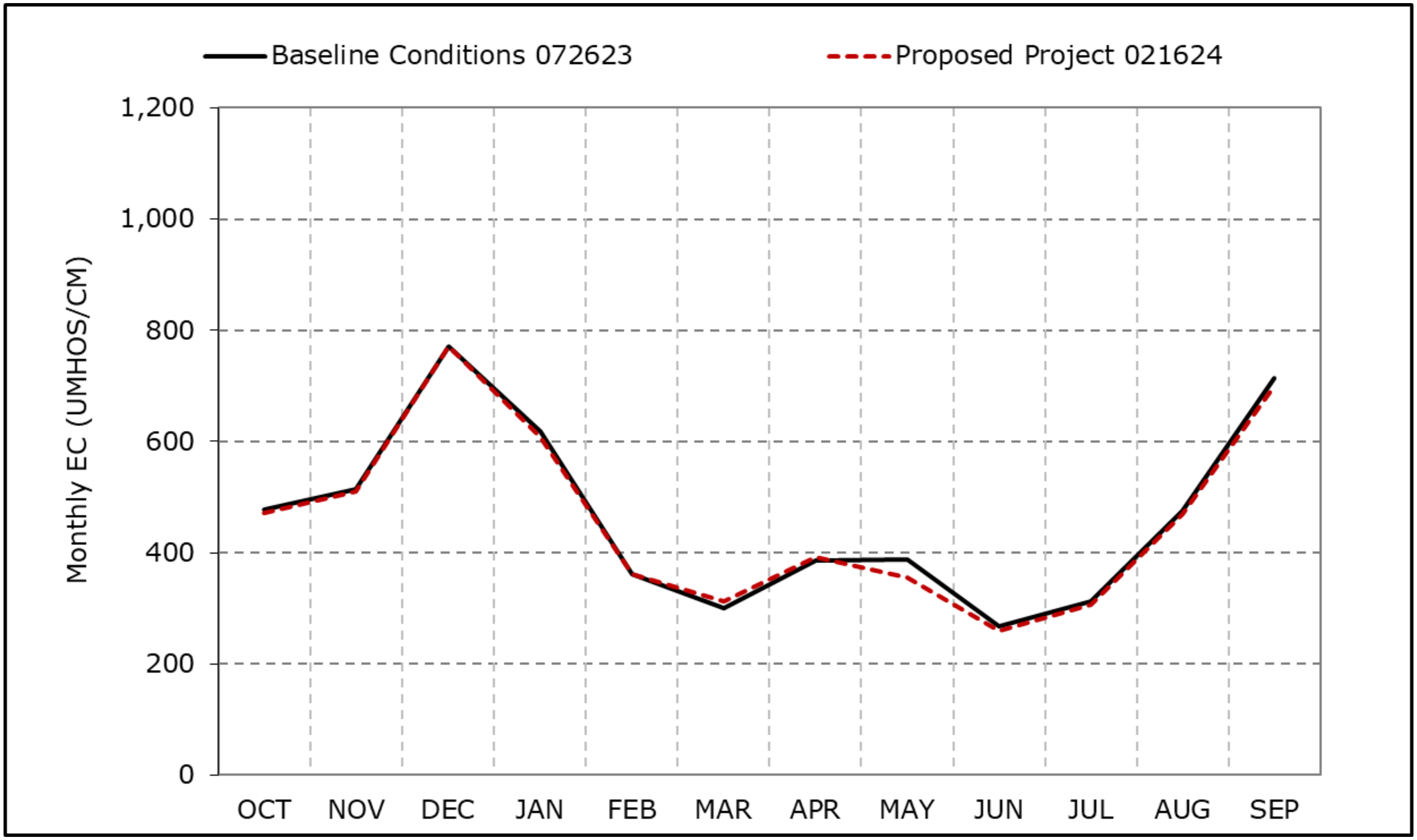
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-15c. Old River at Rock Slough Salinity, Above Normal Year Average EC



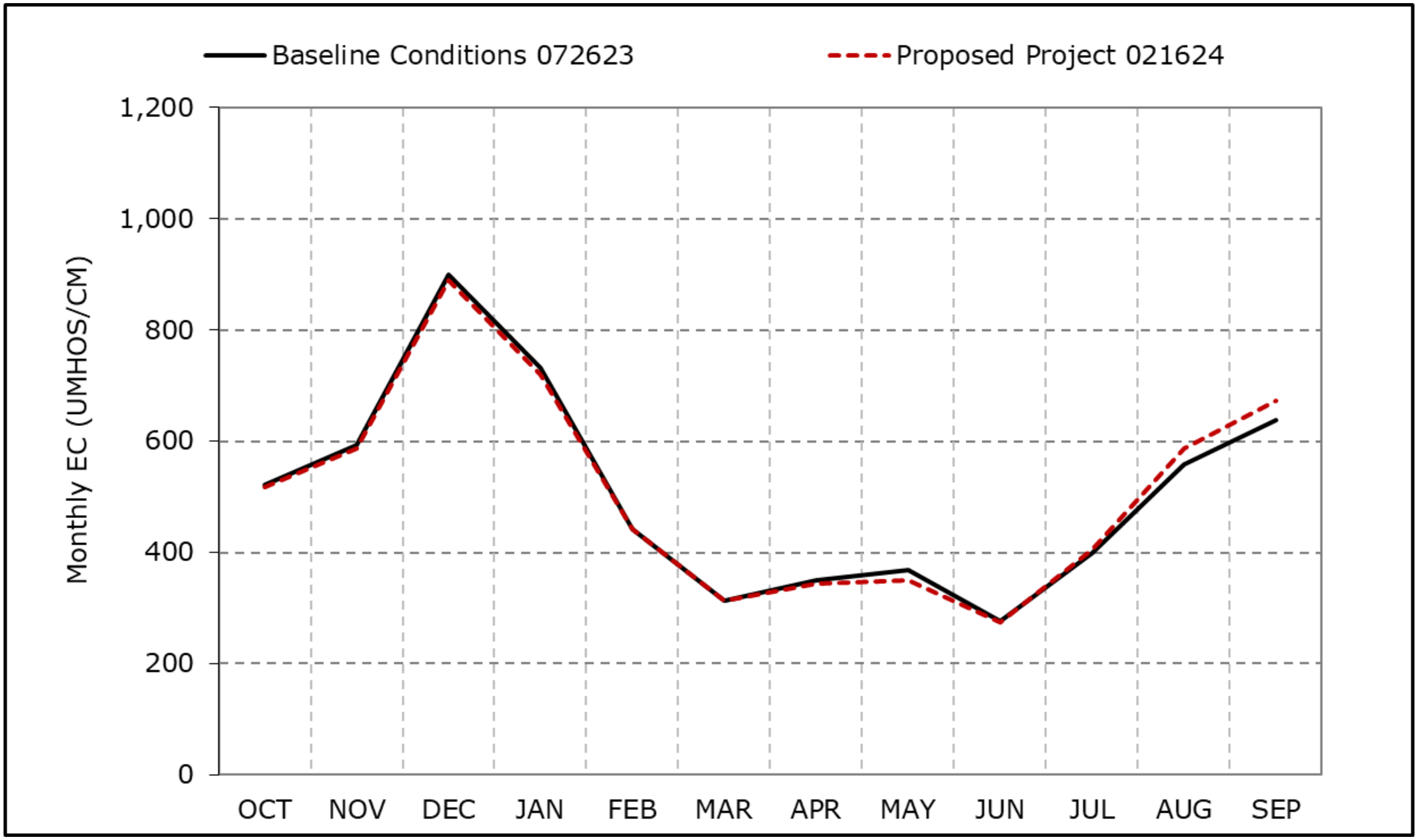
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-15d. Old River at Rock Slough Salinity, Below Normal Year Average EC



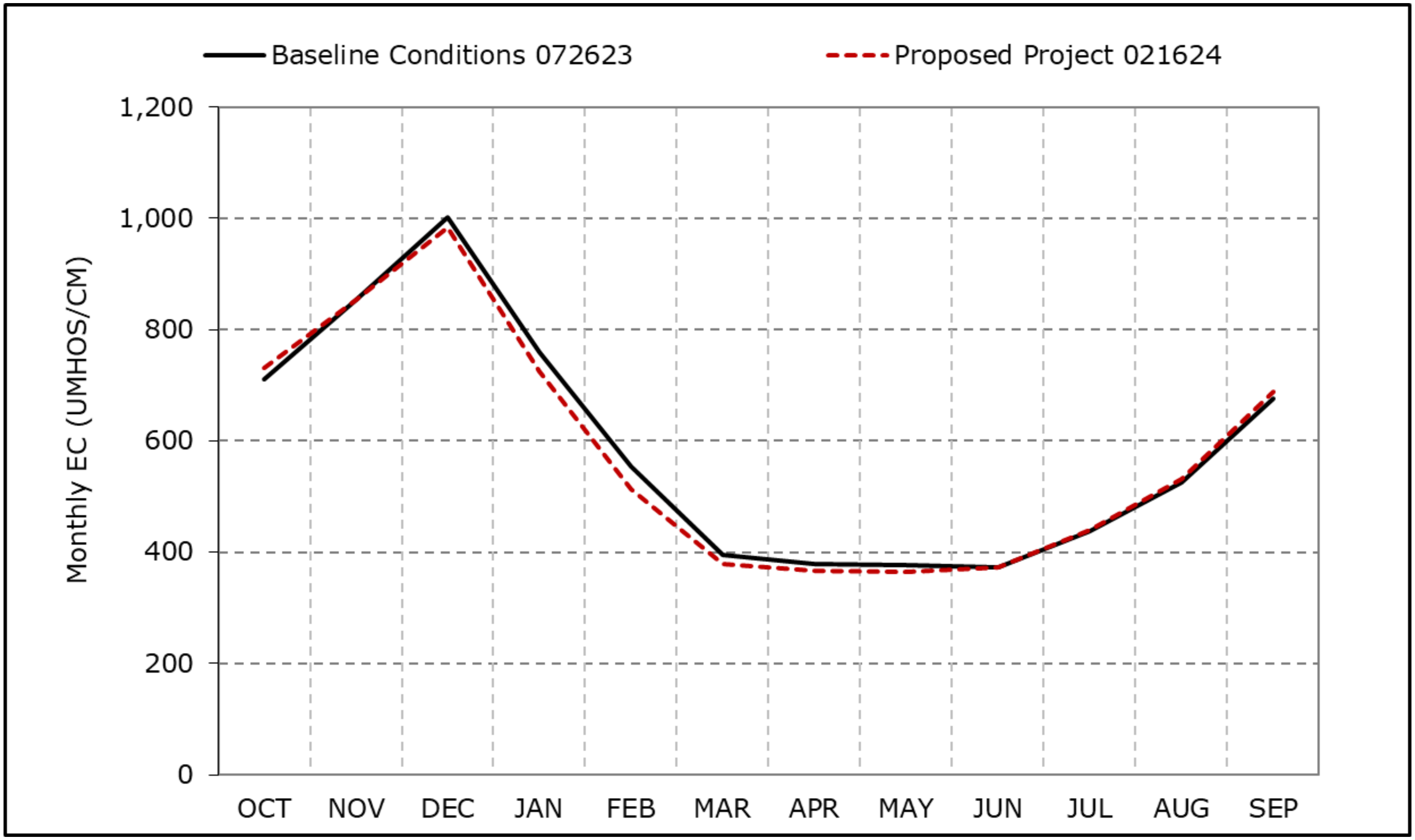
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-15e. Old River at Rock Slough Salinity, Dry Year Average EC



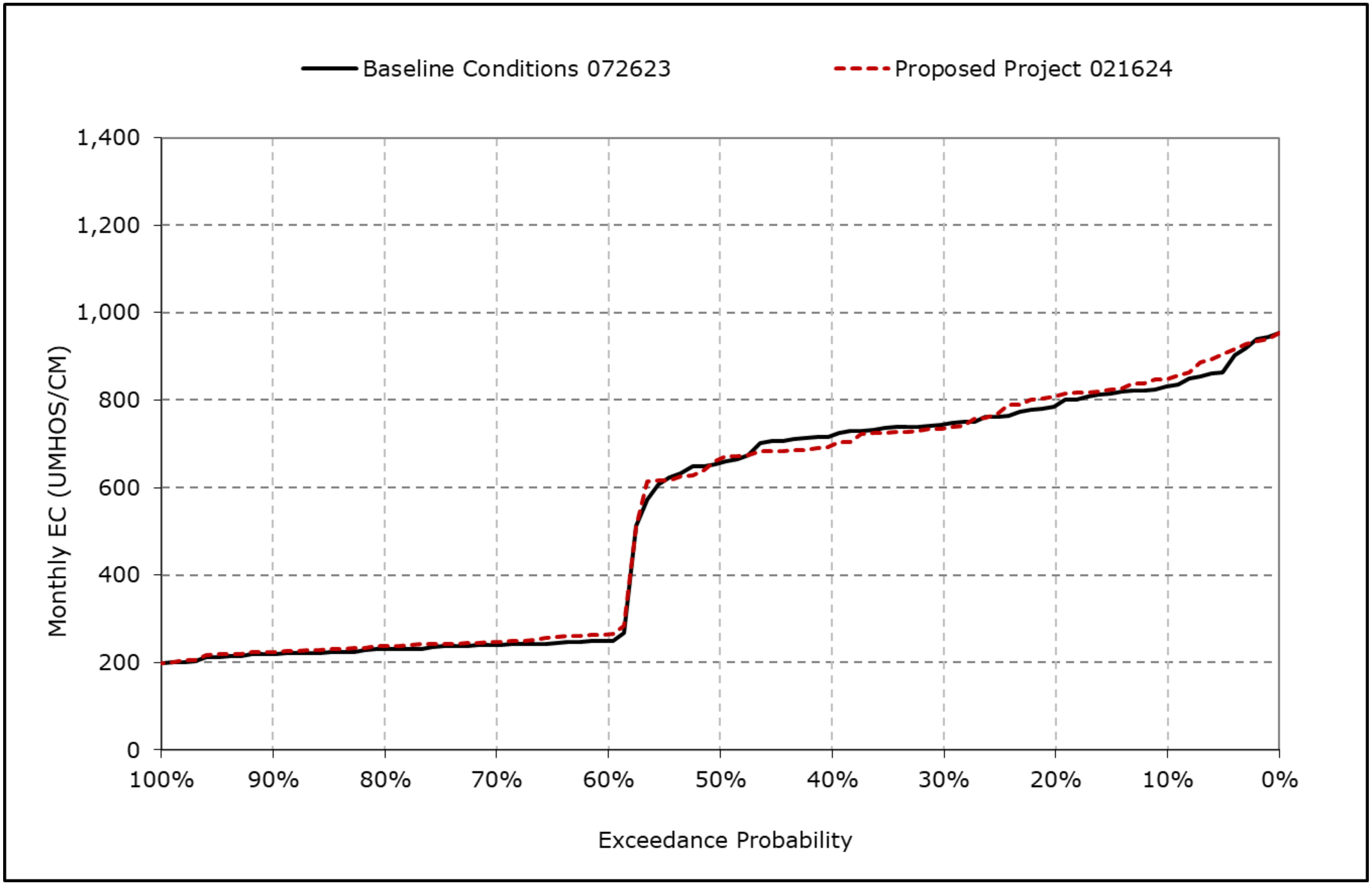
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-15f. Old River at Rock Slough Salinity, Critical Year Average EC



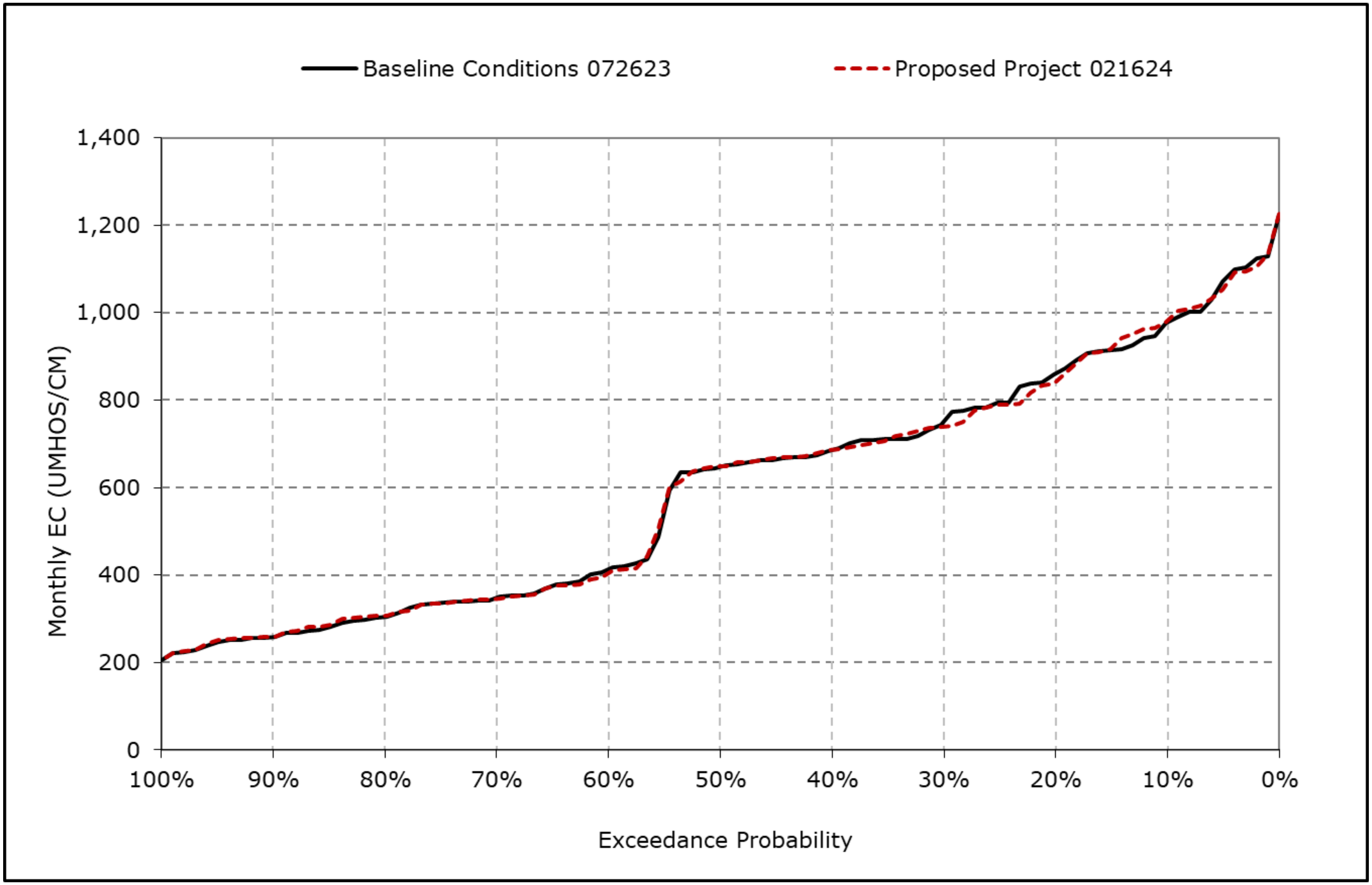
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-15g. Old River at Rock Slough Salinity, October EC



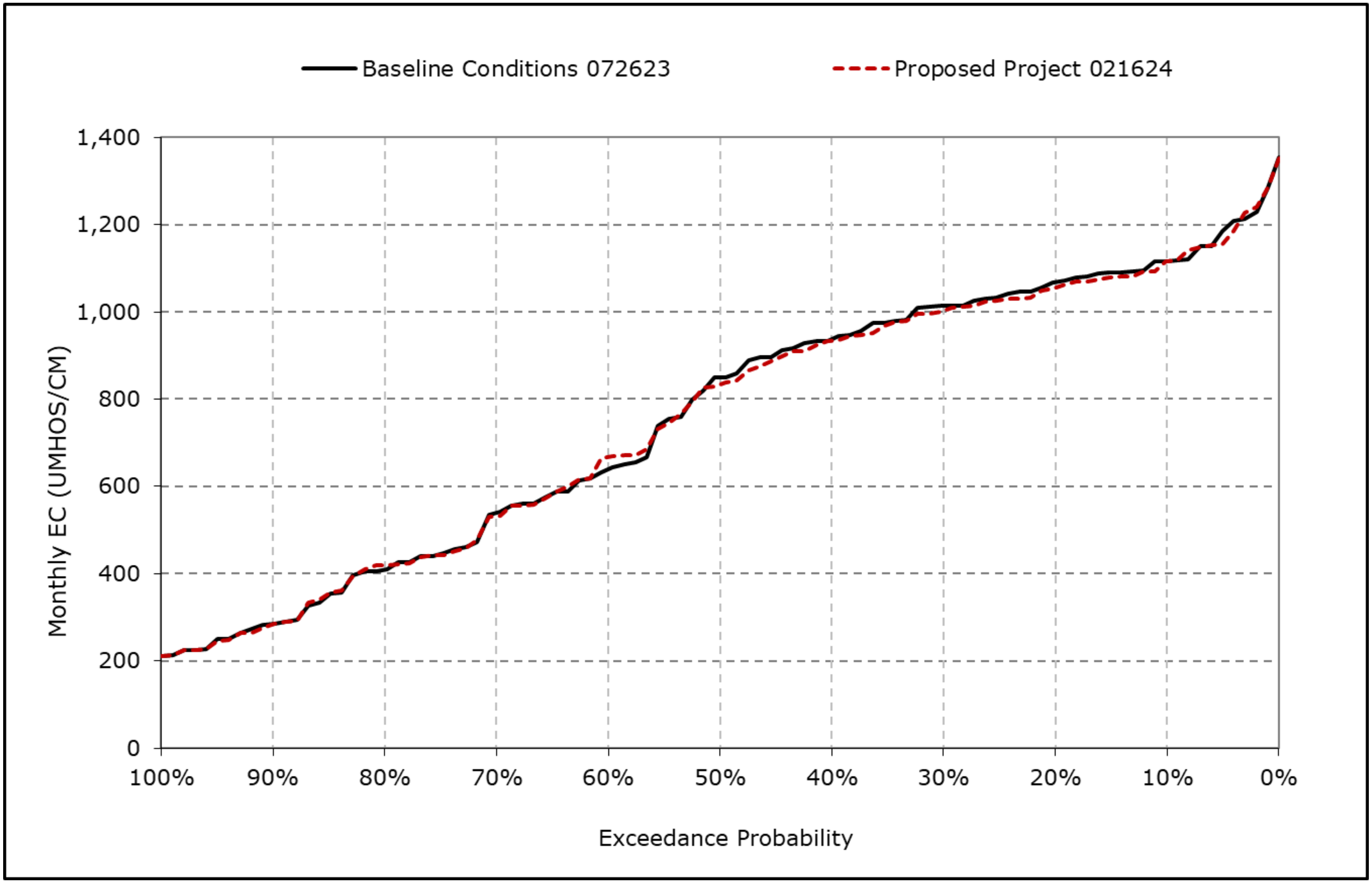
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-15h. Old River at Rock Slough Salinity, November EC



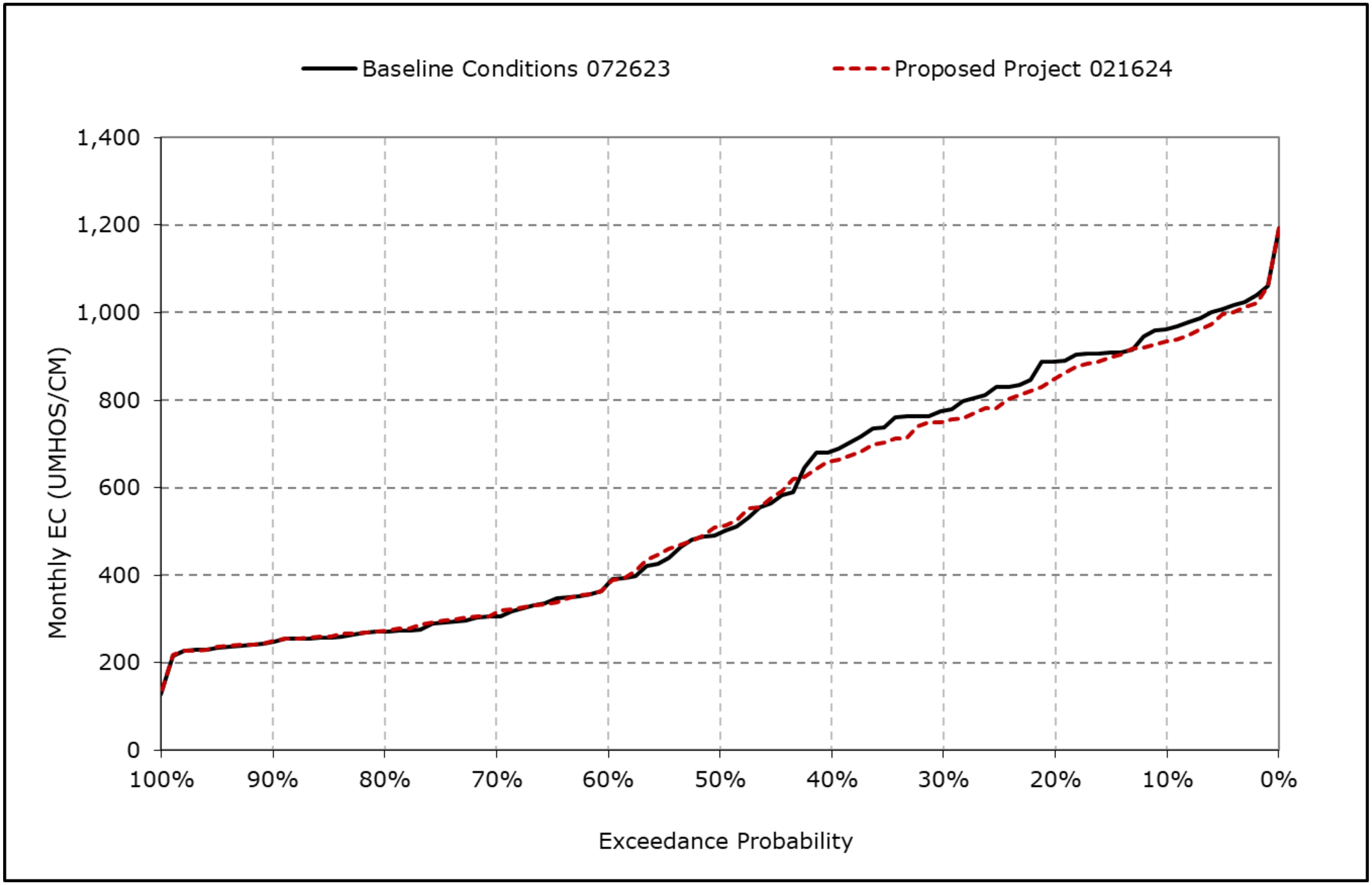
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-15i. Old River at Rock Slough Salinity, December EC



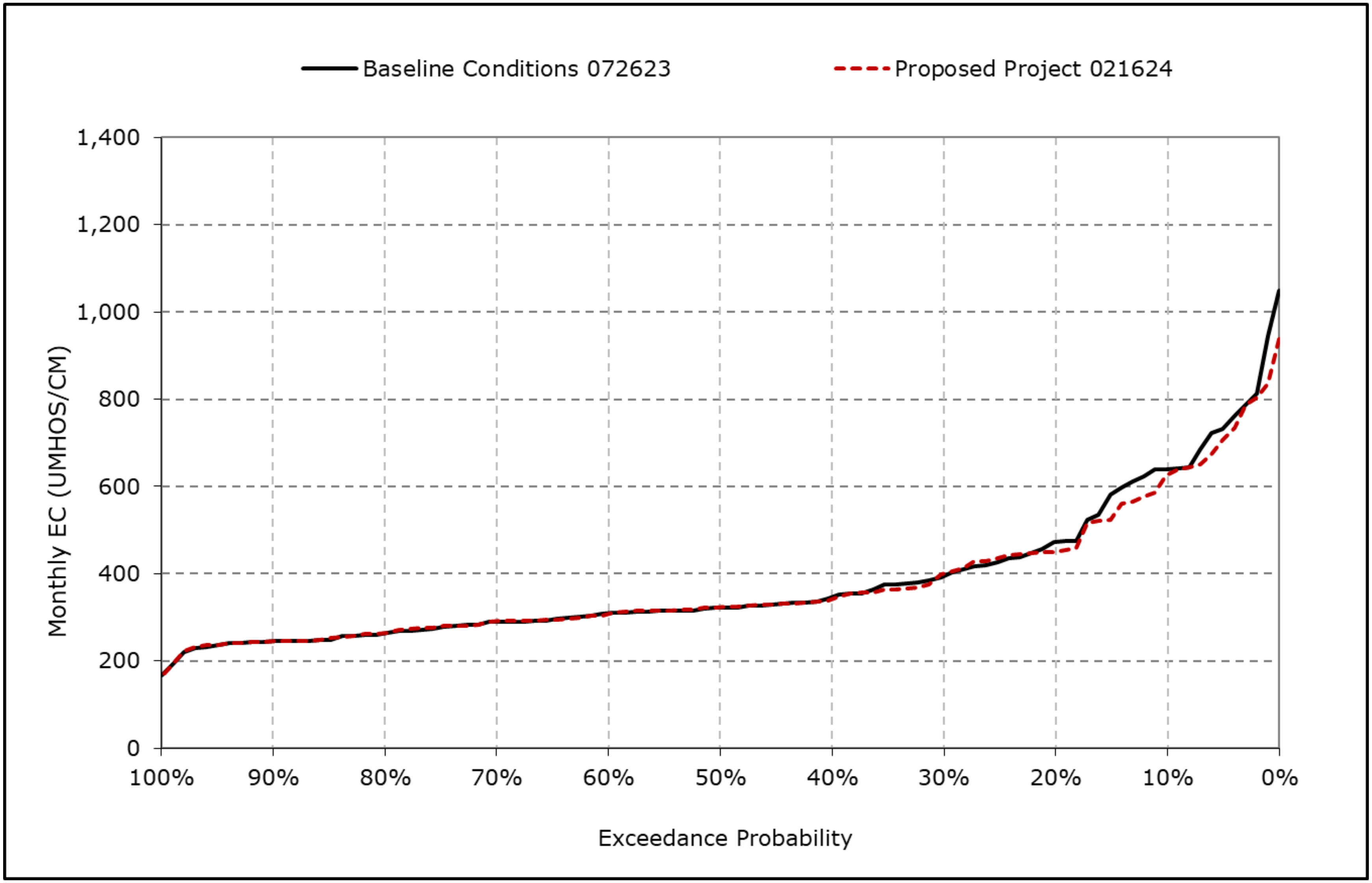
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-15j. Old River at Rock Slough Salinity, January EC



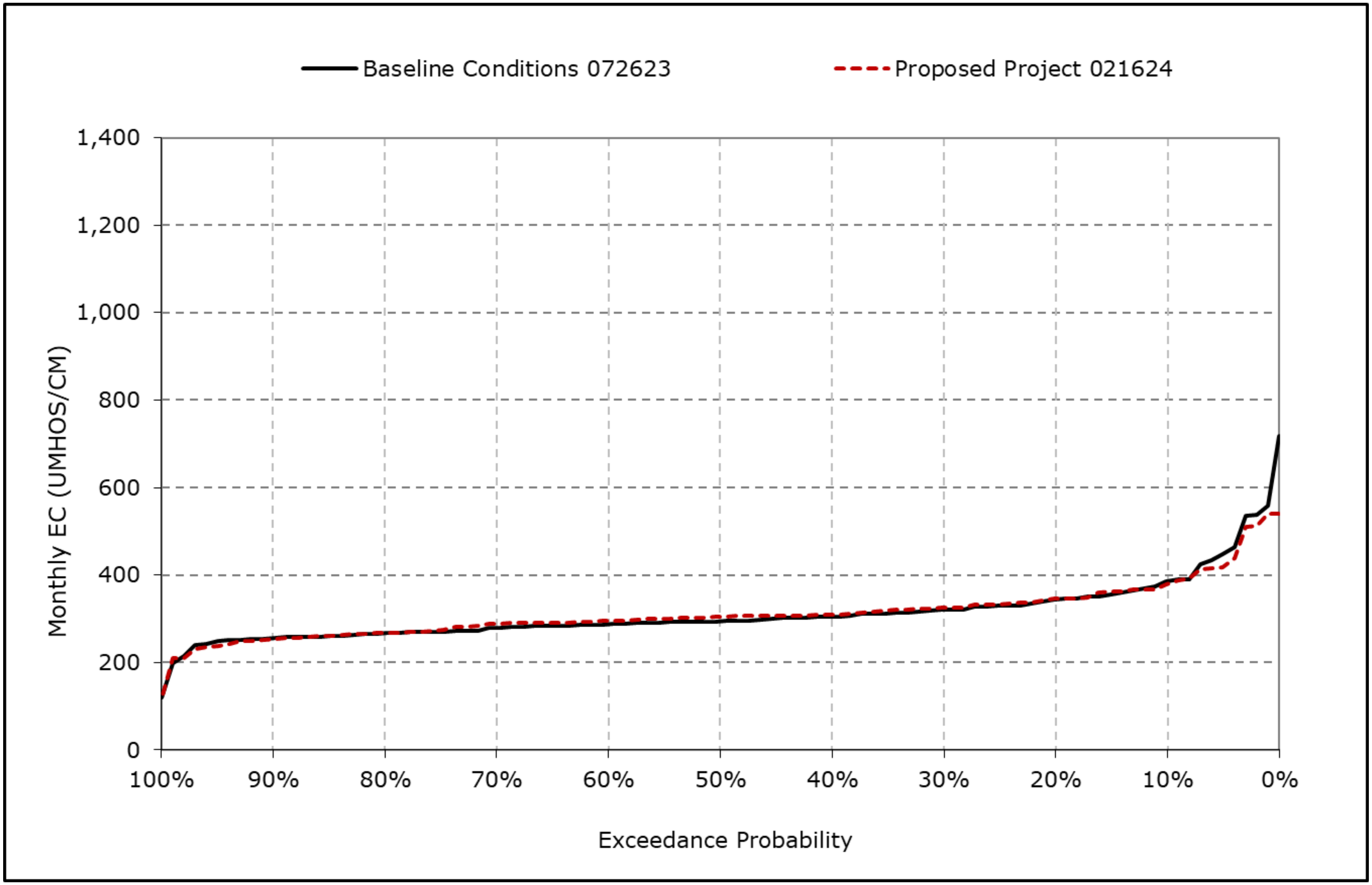
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-15k. Old River at Rock Slough Salinity, February EC



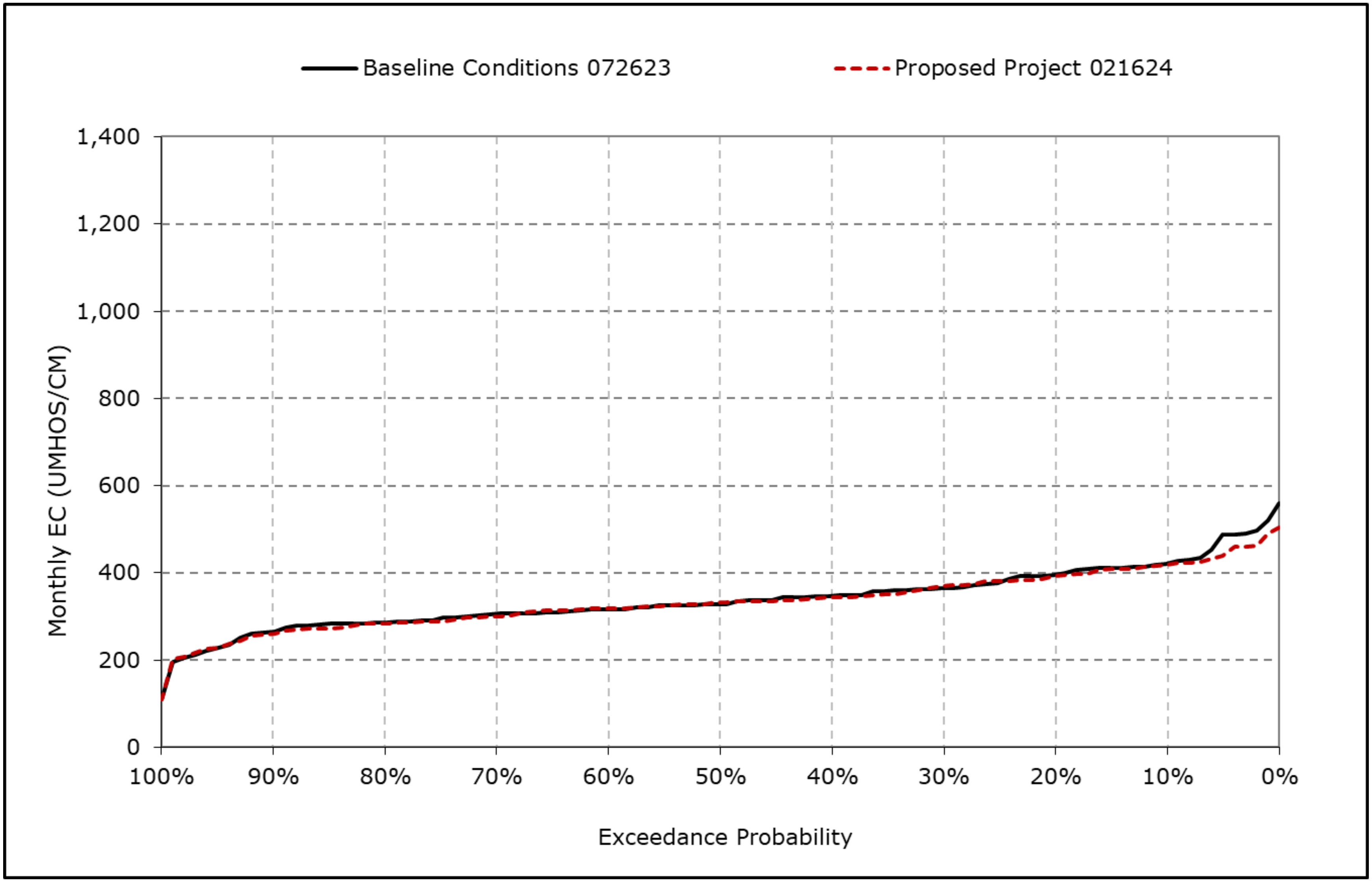
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-15l. Old River at Rock Slough Salinity, March EC



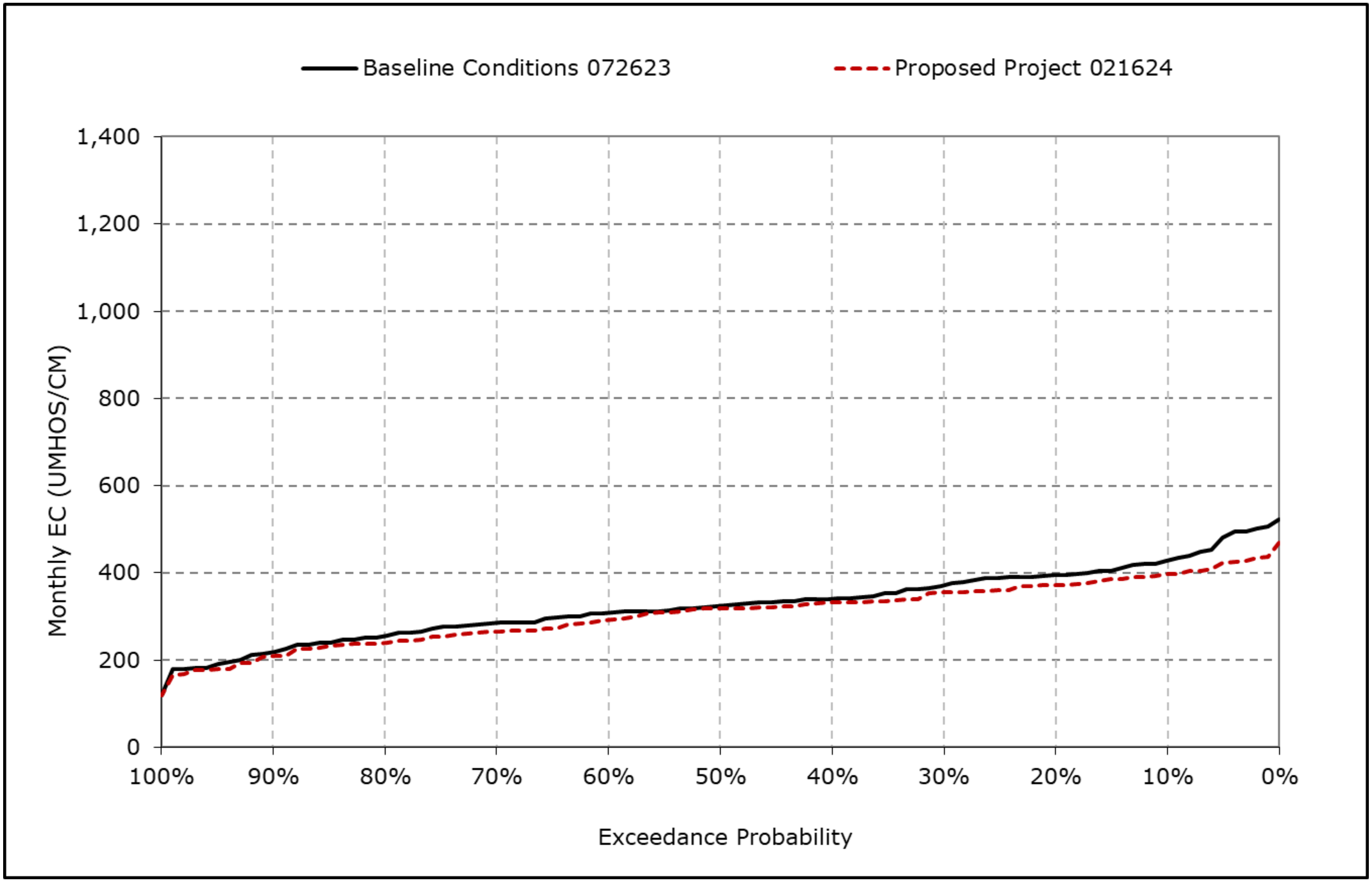
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-15m. Old River at Rock Slough Salinity, April EC



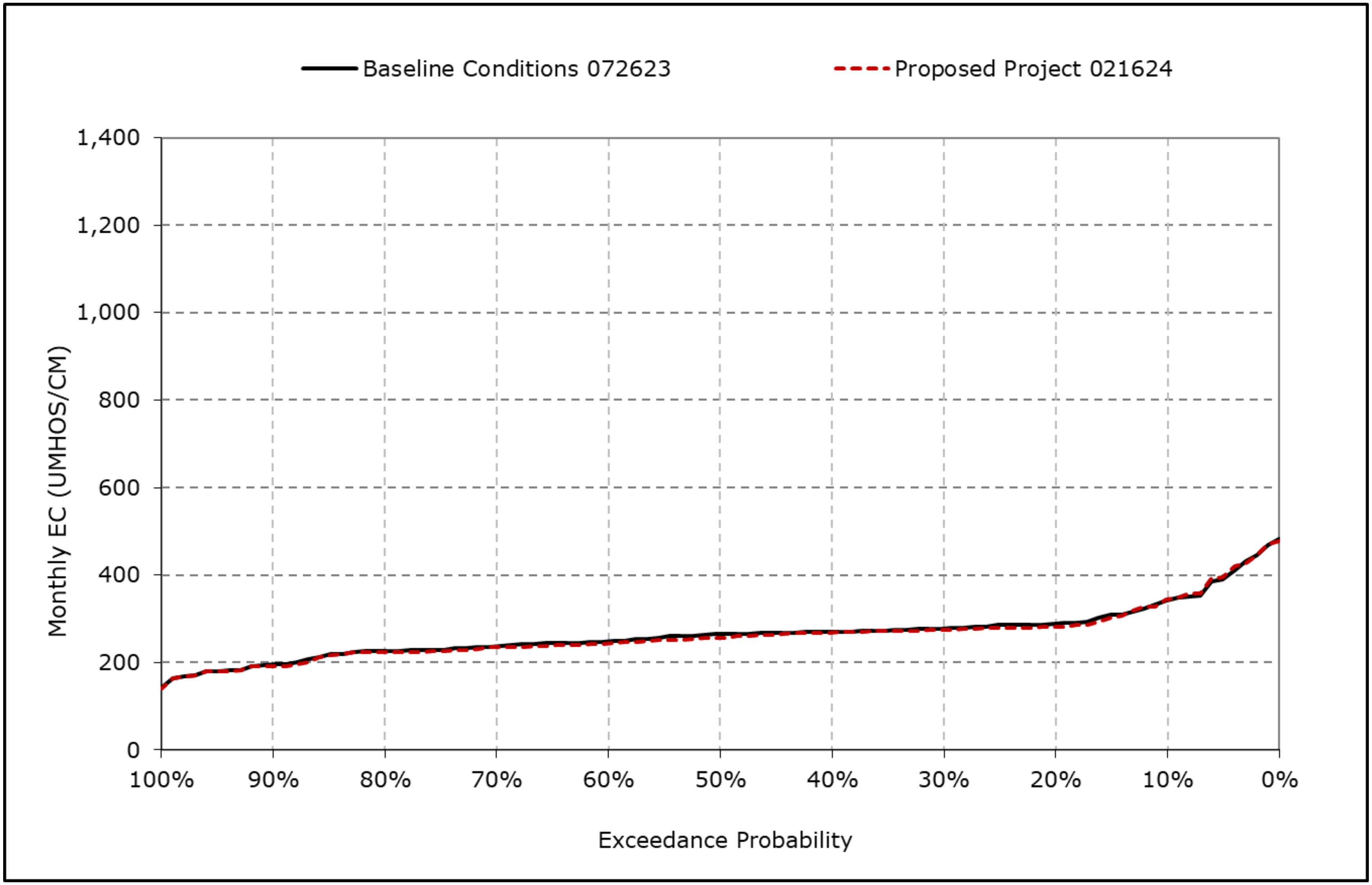
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-15n. Old River at Rock Slough Salinity, May EC



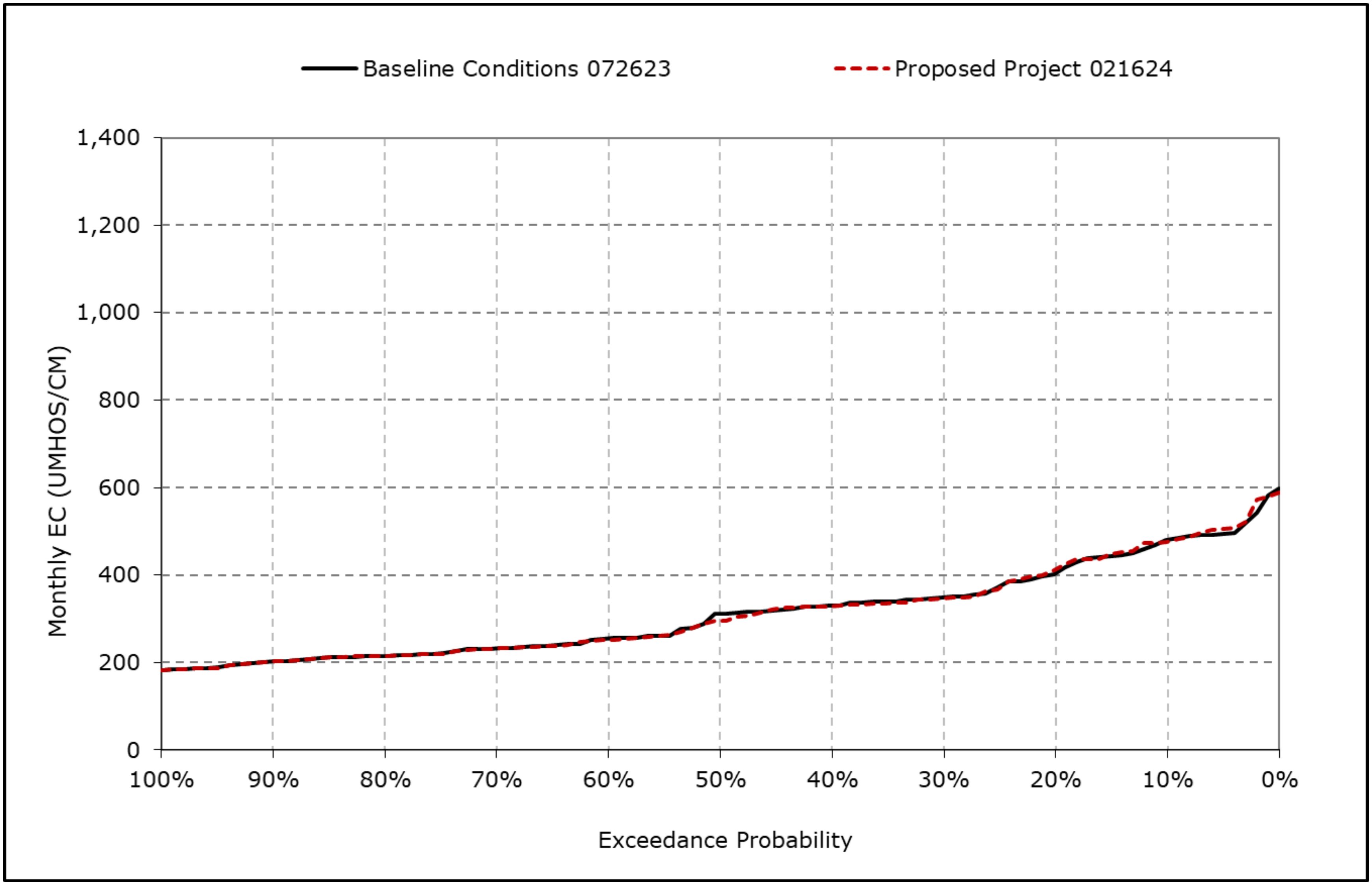
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-15o. Old River at Rock Slough Salinity, June EC



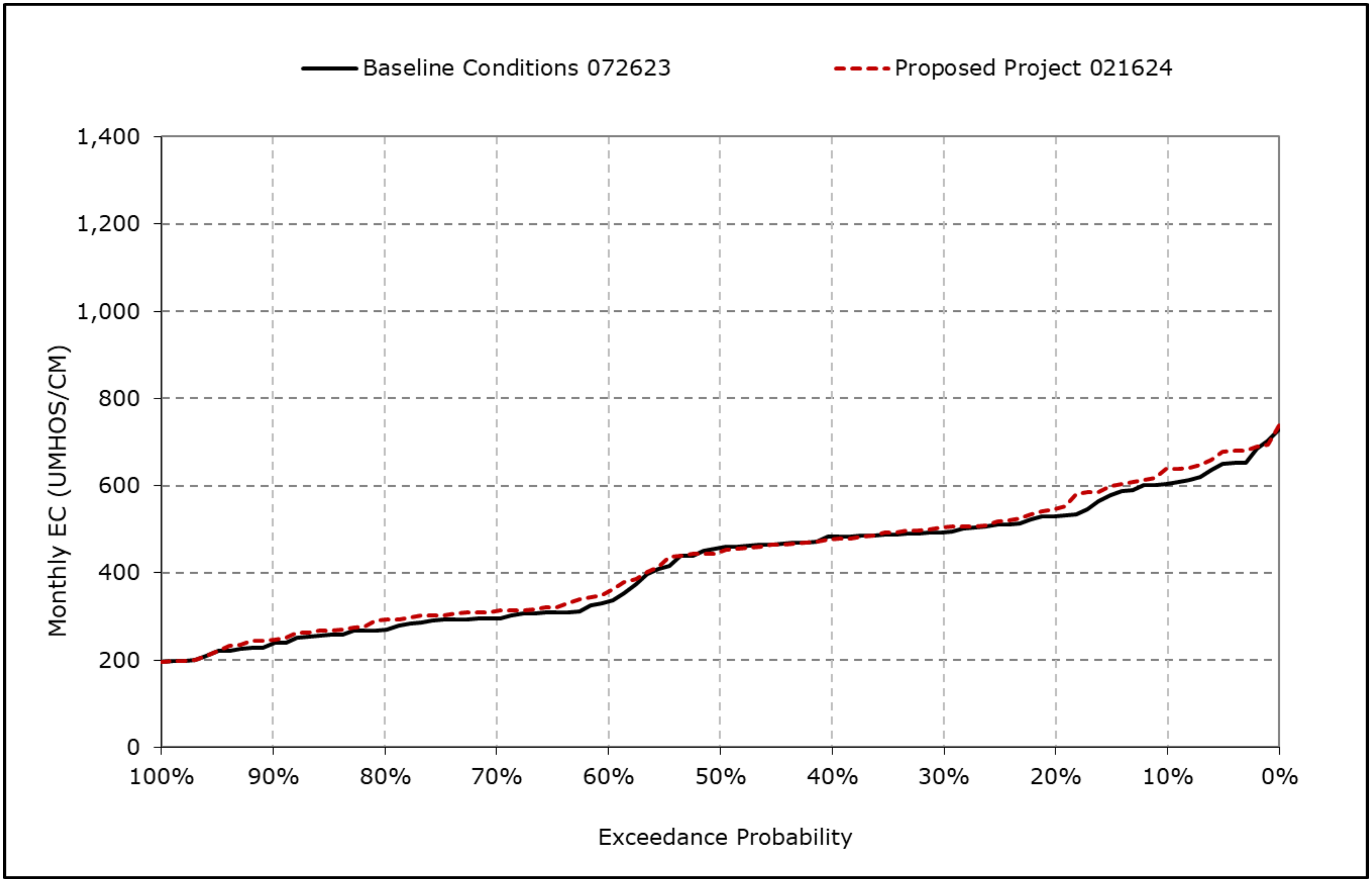
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-15p. Old River at Rock Slough Salinity, July EC



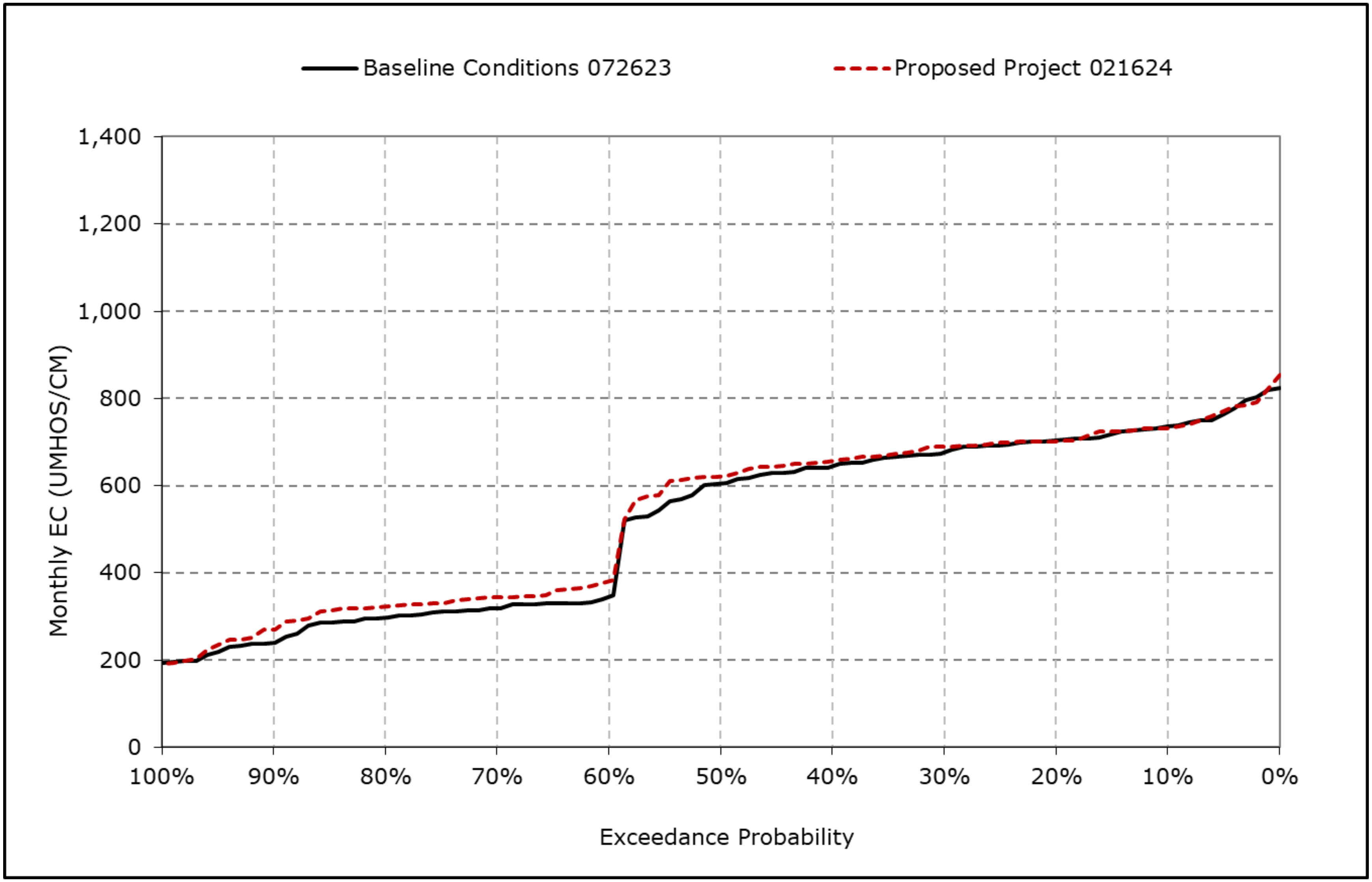
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-15q. Old River at Rock Slough Salinity, August EC



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

Figure 4B-6-15r. Old River at Rock Slough Salinity, September EC



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

Table 4B-6-16-1a. Banks Pumping Plant South Delta Exports Salinity, Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	581	697	836	862	720	525	546	545	444	418	478	545
20% Exceedance	571	657	795	827	620	500	507	531	416	359	441	520
30% Exceedance	560	598	752	793	569	468	483	506	404	322	399	503
40% Exceedance	542	546	696	759	515	442	468	473	380	308	374	475
50% Exceedance	528	520	646	608	485	423	446	462	358	299	361	444
60% Exceedance	289	347	593	517	420	410	422	420	334	273	294	331
70% Exceedance	275	314	532	421	389	388	393	374	319	264	276	303
80% Exceedance	272	305	470	389	361	371	347	328	290	250	267	295
90% Exceedance	266	293	316	346	319	295	246	244	208	232	256	264
Full Simulation Period Average[a]	438	480	627	613	492	426	420	420	348	307	352	411
Wet Water Years (30%)	424	434	491	445	379	330	292	281	248	240	261	282
Above Normal Years (11%)	446	493	683	601	463	436	439	429	327	263	270	300
Below Normal Years (21%)	403	441	607	644	507	449	452	449	366	296	371	520
Dry Water Years (22%)	431	480	692	717	557	453	478	507	392	338	437	483
Critical Water Years (16%)	517	606	779	751	618	529	525	520	467	432	439	487

Table 4B-6-16-1b. Banks Pumping Plant South Delta Exports Salinity, Proposed Project 021624, Monthly EC (UMHOS/CM)

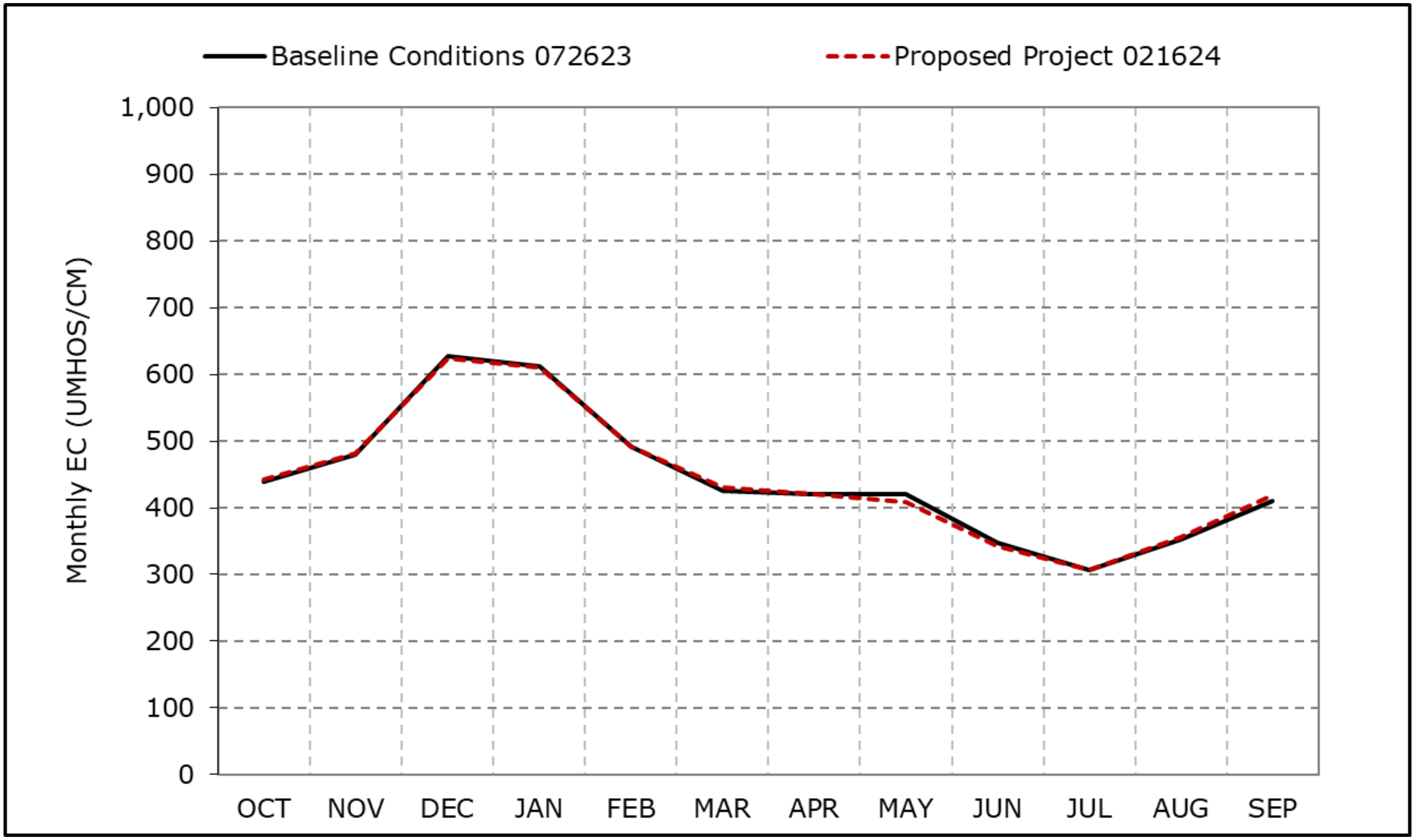
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	599	701	839	849	693	547	536	533	439	422	486	549
20% Exceedance	574	657	792	811	618	507	517	520	414	361	443	525
30% Exceedance	553	575	743	784	574	479	494	497	393	322	400	506
40% Exceedance	540	554	689	753	526	454	476	470	377	307	377	485
50% Exceedance	524	514	652	611	485	432	448	454	363	294	354	463
60% Exceedance	296	345	607	519	429	422	426	393	322	272	310	345
70% Exceedance	282	316	533	430	397	395	380	348	303	263	280	318
80% Exceedance	276	305	466	391	367	363	338	314	286	251	269	305
90% Exceedance	268	297	319	345	319	290	255	241	206	232	260	277
Full Simulation Period Average[a]	442	481	625	611	492	430	421	408	342	307	356	420
Wet Water Years (30%)	427	439	496	446	379	329	290	264	240	240	265	291
Above Normal Years (11%)	452	498	677	611	463	442	438	390	313	263	279	315
Below Normal Years (21%)	403	438	609	643	512	463	460	450	363	294	367	512
Dry Water Years (22%)	431	474	684	710	564	468	485	502	391	342	450	505
Critical Water Years (16%)	528	615	770	742	597	519	517	506	458	431	439	492

Table 4B-6-16-1c. Banks Pumping Plant South Delta Exports Salinity, Proposed Project 021624 minus Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	18	4	3	-12	-27	23	-10	-12	-4	4	8	4
20% Exceedance	3	-1	-3	-17	-2	7	9	-11	-2	2	2	4
30% Exceedance	-7	-23	-9	-9	5	11	12	-9	-11	1	2	3
40% Exceedance	-2	8	-8	-6	11	11	8	-3	-3	0	3	10
50% Exceedance	-4	-6	6	3	1	9	3	-7	5	-5	-6	19
60% Exceedance	8	-1	14	2	8	12	4	-26	-12	-2	16	14
70% Exceedance	7	2	1	8	8	7	-13	-26	-16	-1	4	15
80% Exceedance	4	0	-4	2	5	-8	-9	-14	-4	1	2	10
90% Exceedance	2	3	2	0	0	-4	9	-3	-3	0	3	13
Full Simulation Period Average[a]	4	1	-2	-2	0	5	1	-12	-6	0	4	9
Wet Water Years (30%)	3	4	5	1	1	-1	-2	-16	-7	0	3	9
Above Normal Years (11%)	7	5	-6	10	1	6	-1	-39	-13	0	9	16
Below Normal Years (21%)	-1	-3	2	-1	5	14	8	2	-3	-3	-5	-8
Dry Water Years (22%)	1	-7	-8	-8	8	14	7	-5	-1	3	13	22
Critical Water Years (16%)	11	9	-9	-9	-20	-10	-8	-14	-9	-1	1	5

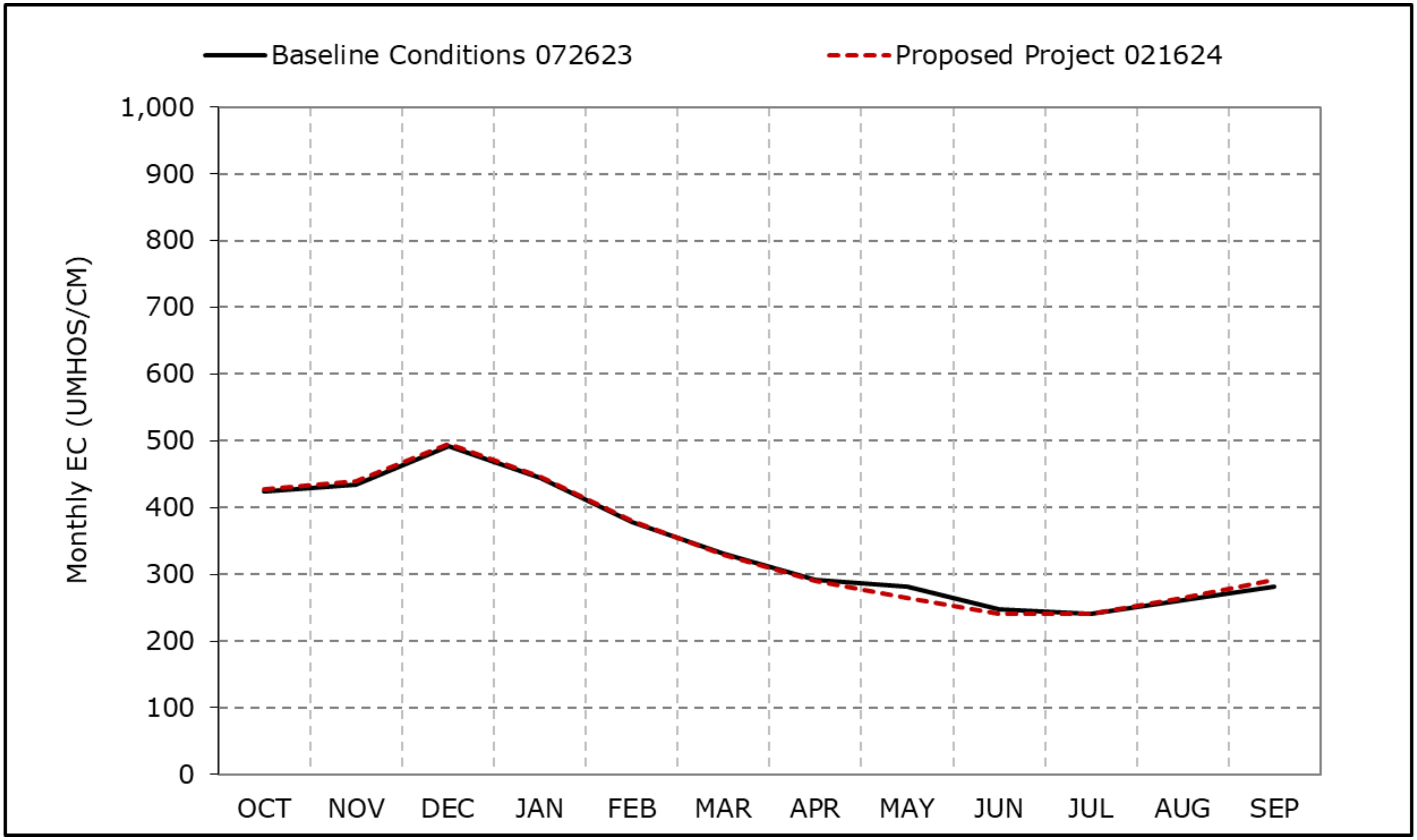
[a] Based on the 100-year simulation period.
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-6-16a. Banks Pumping Plant South Delta Exports Salinity, Long-Term Average EC



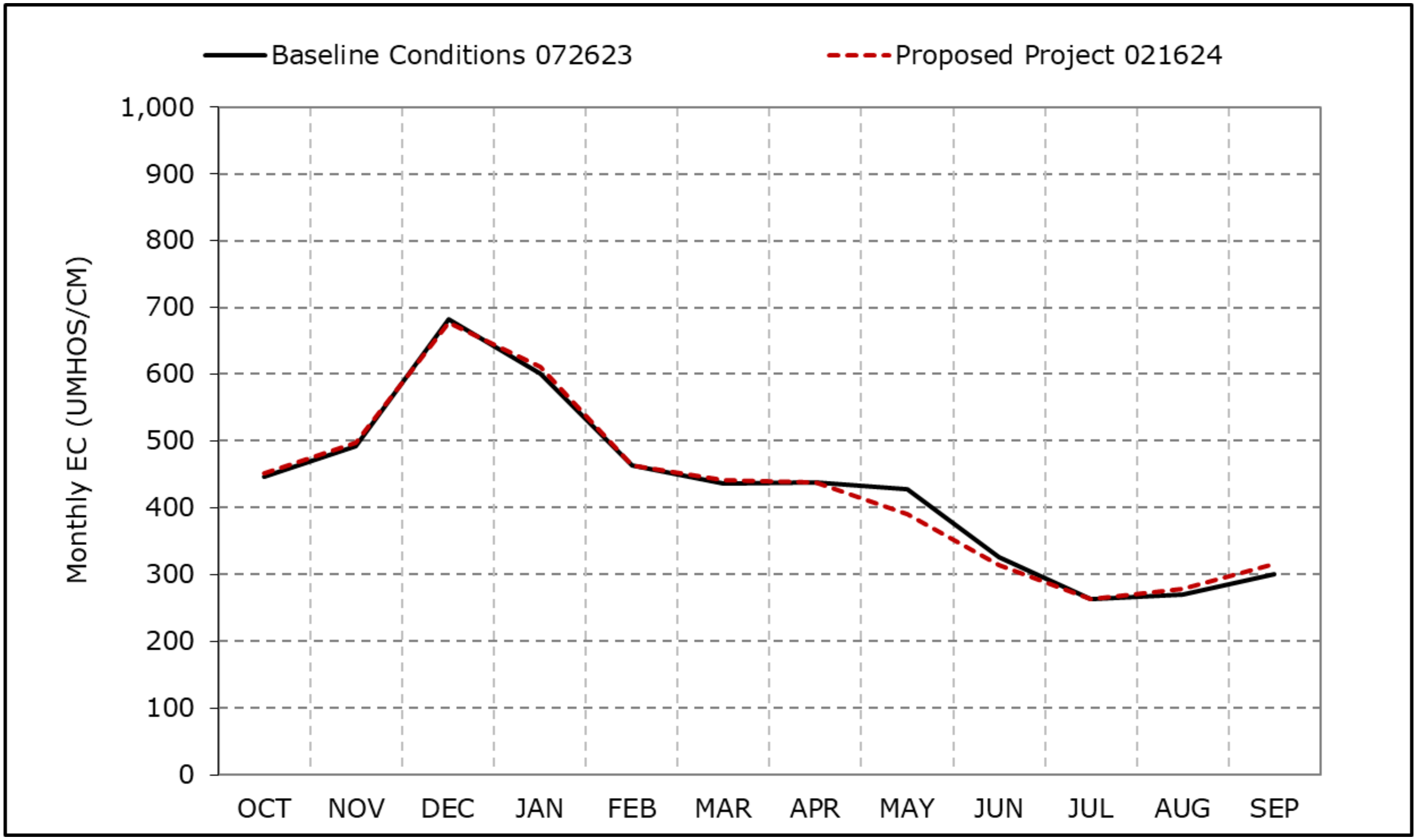
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-16b. Banks Pumping Plant South Delta Exports Salinity, Wet Year Average EC



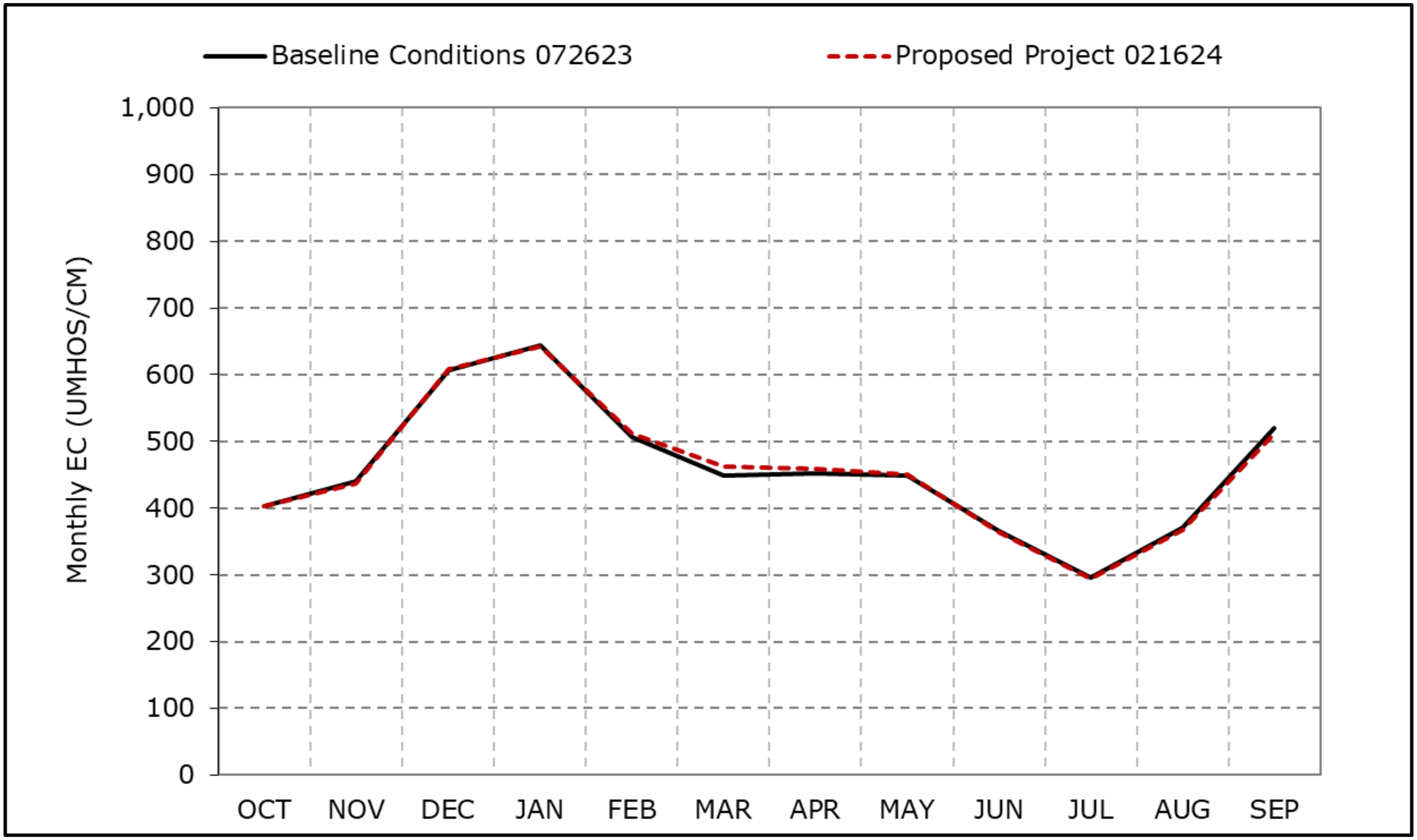
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-16c. Banks Pumping Plant South Delta Exports Salinity, Above Normal Year Average EC



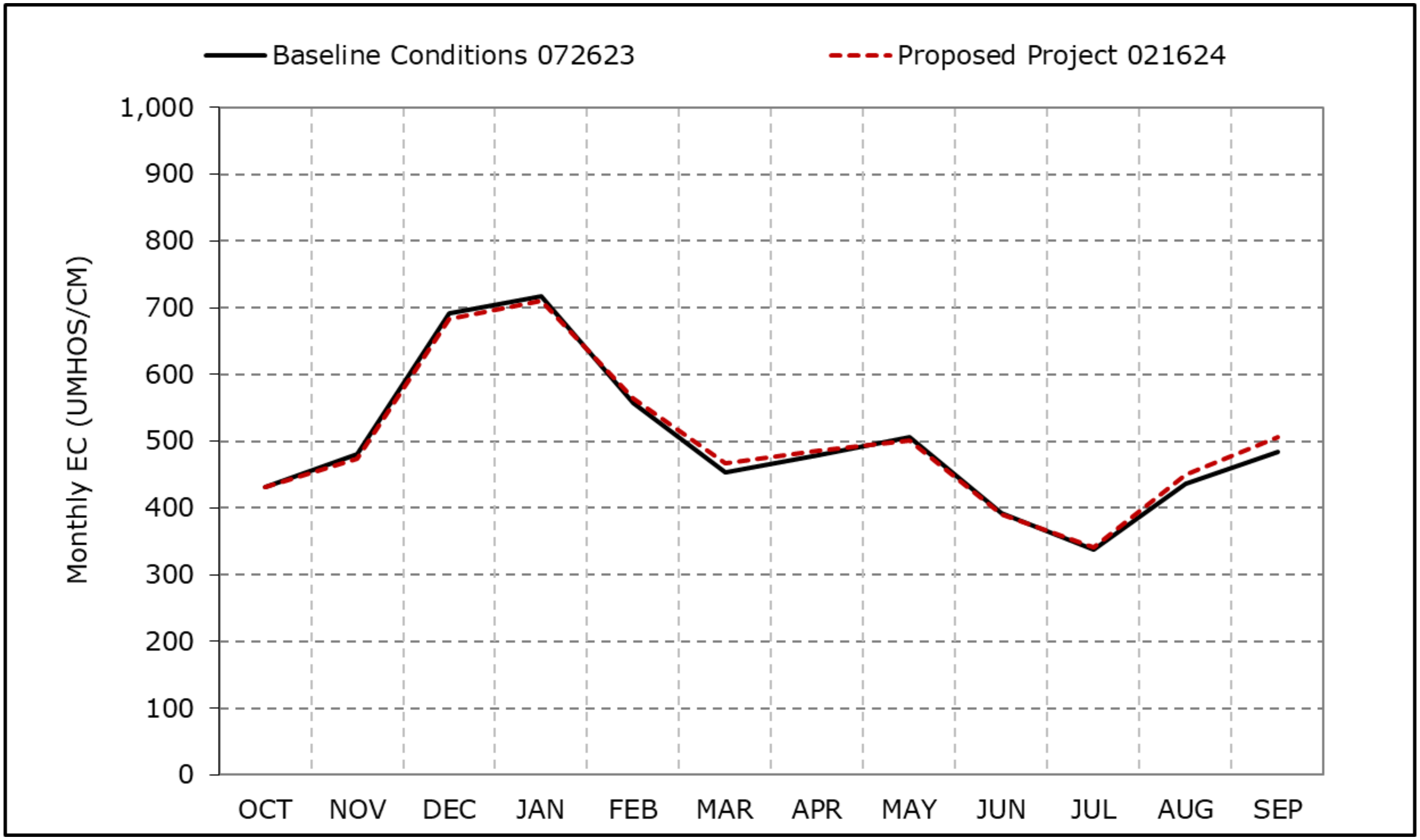
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-16d. Banks Pumping Plant South Delta Exports Salinity, Below Normal Year Average EC



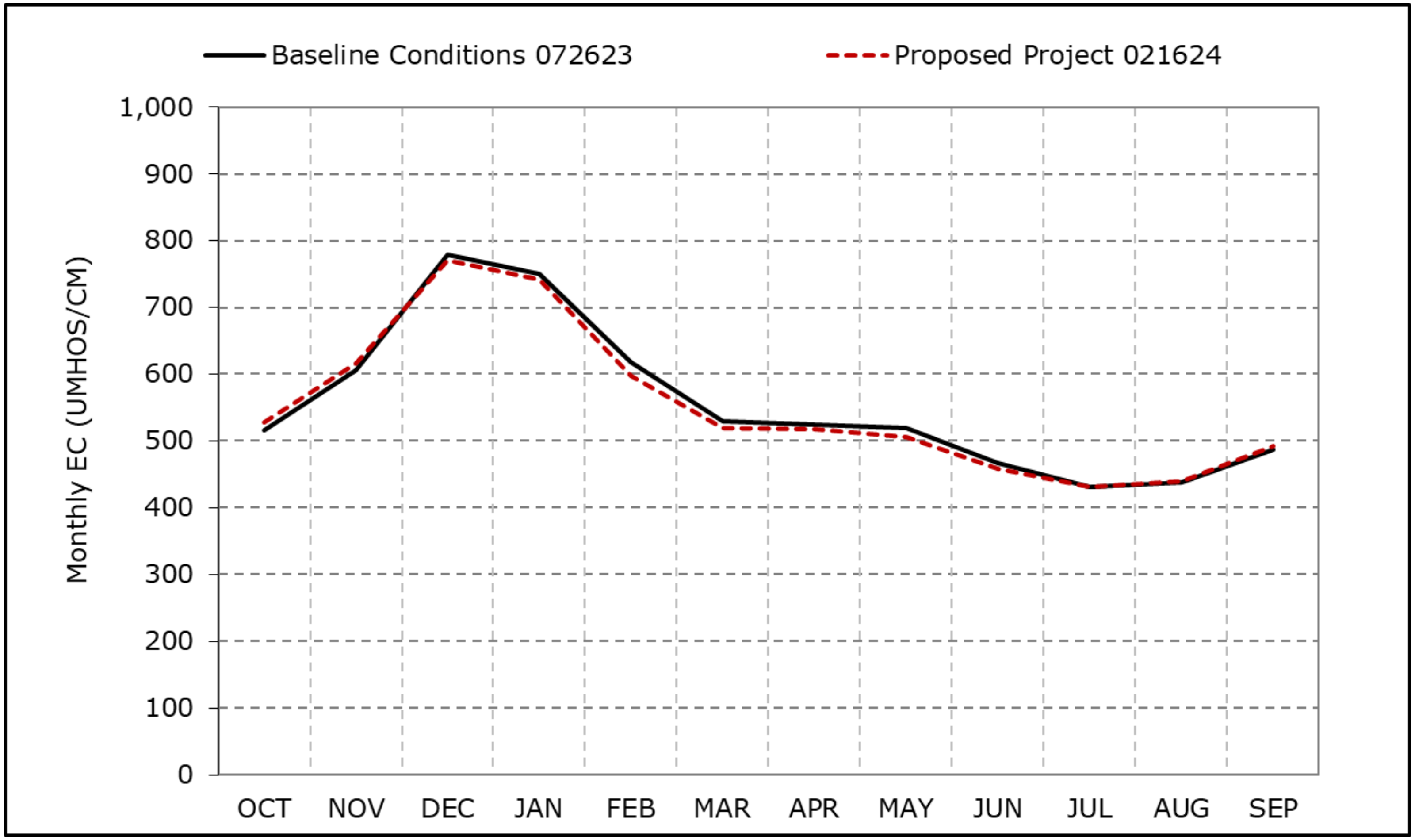
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-16e. Banks Pumping Plant South Delta Exports Salinity, Dry Year Average EC



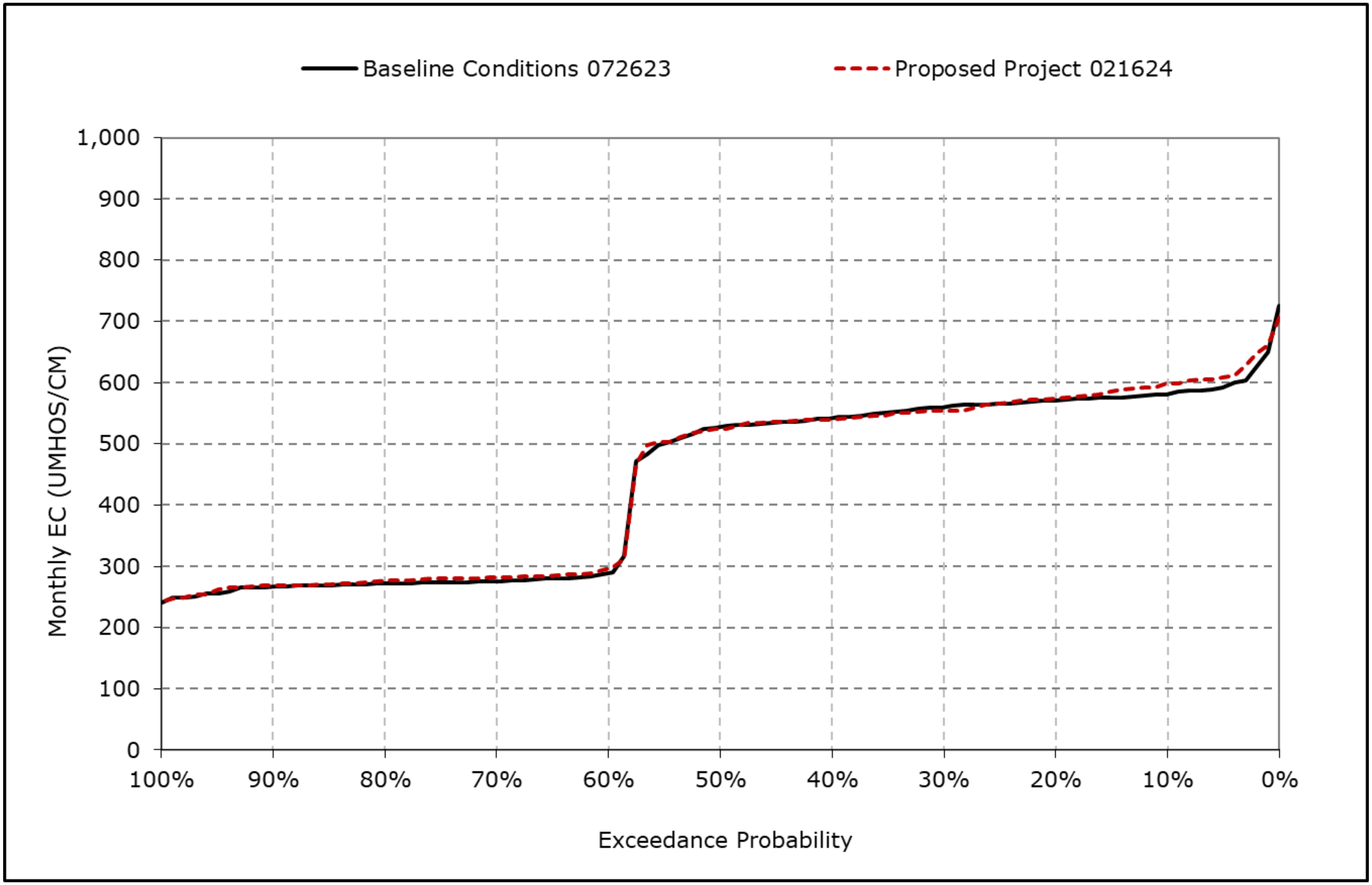
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-16f. Banks Pumping Plant South Delta Exports Salinity, Critical Year Average EC



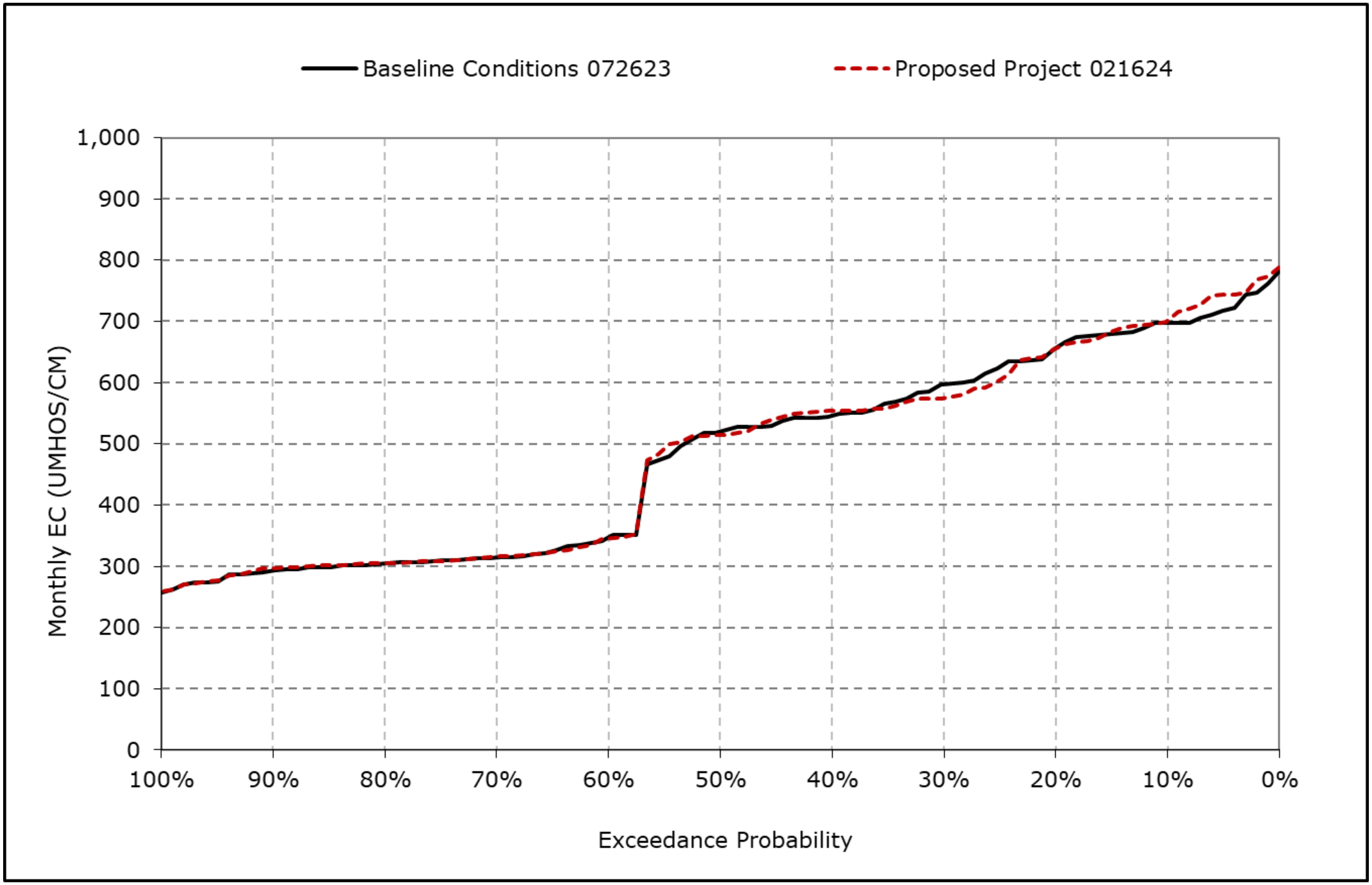
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-16g. Banks Pumping Plant South Delta Exports Salinity, October EC



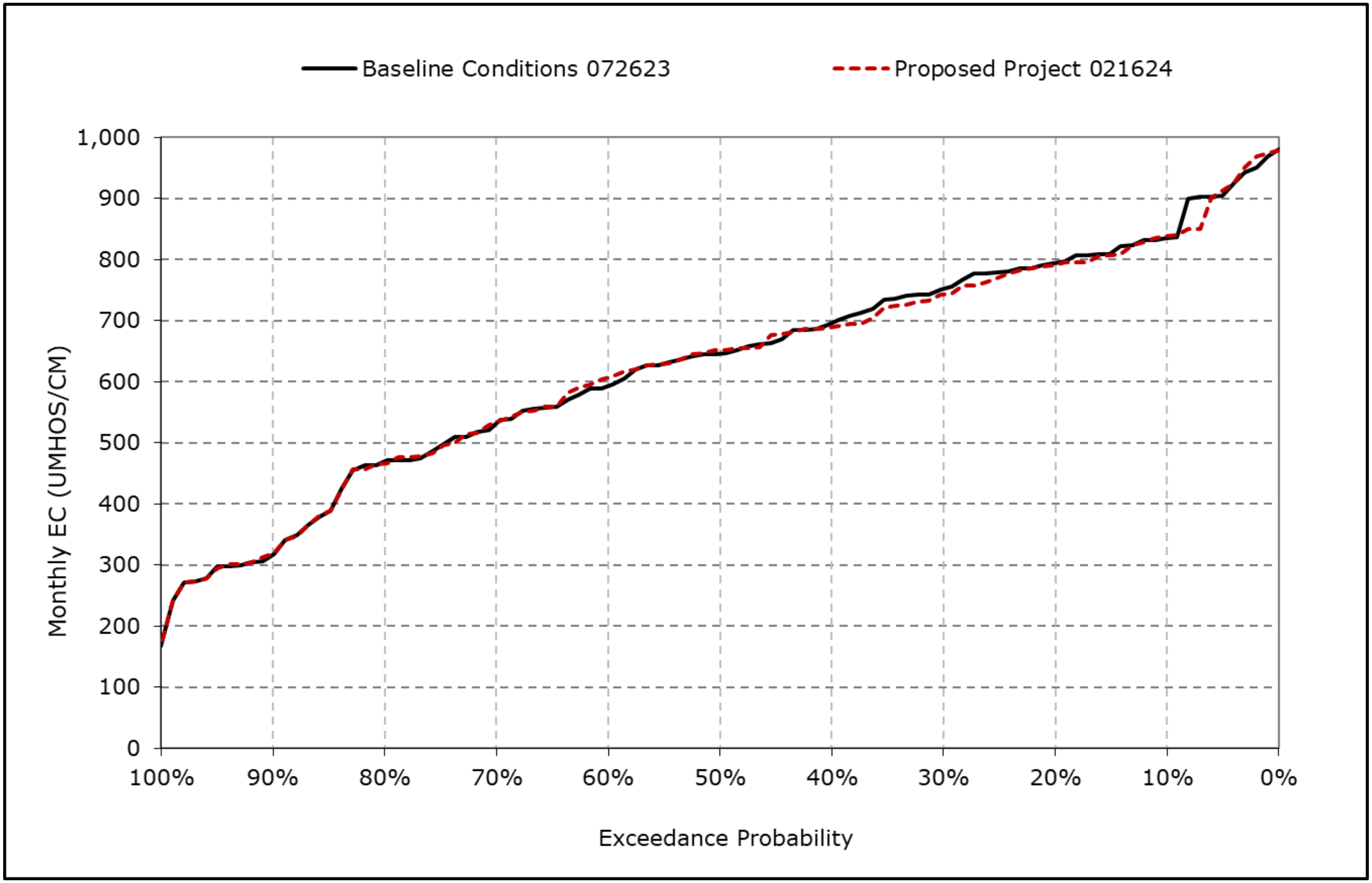
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-16h. Banks Pumping Plant South Delta Exports Salinity, November EC



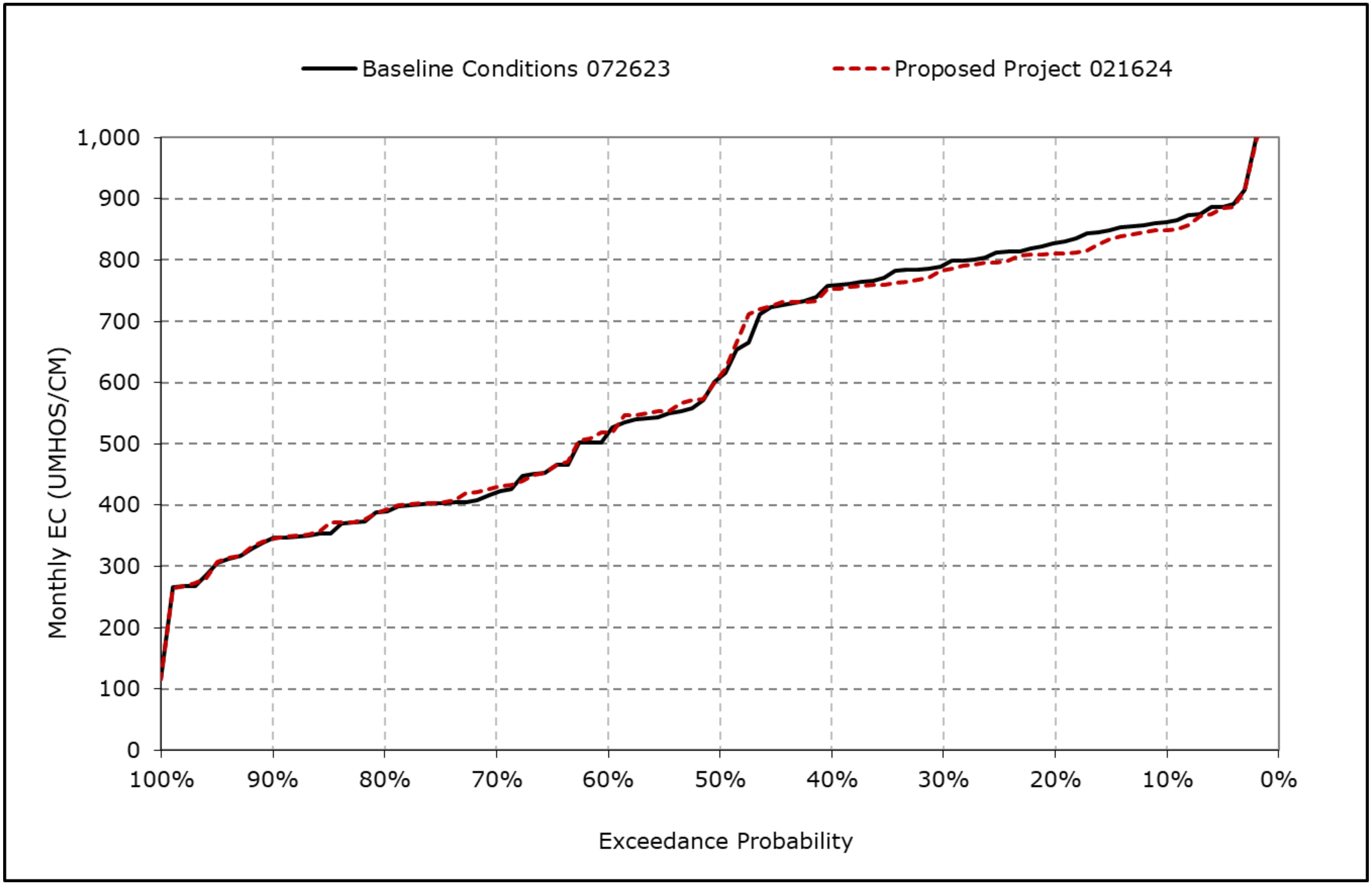
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-16i. Banks Pumping Plant South Delta Exports Salinity, December EC



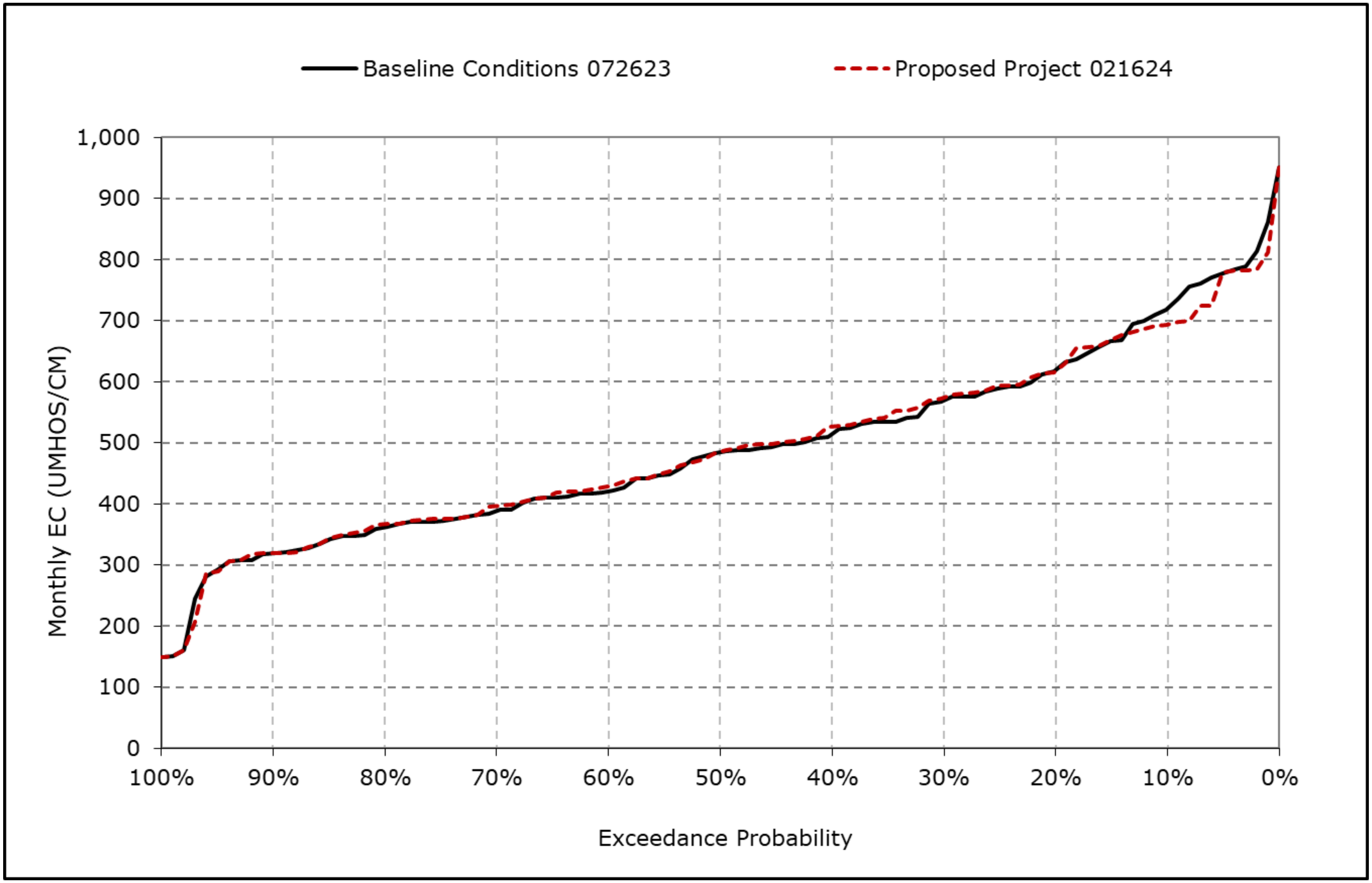
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-16j. Banks Pumping Plant South Delta Exports Salinity, January EC



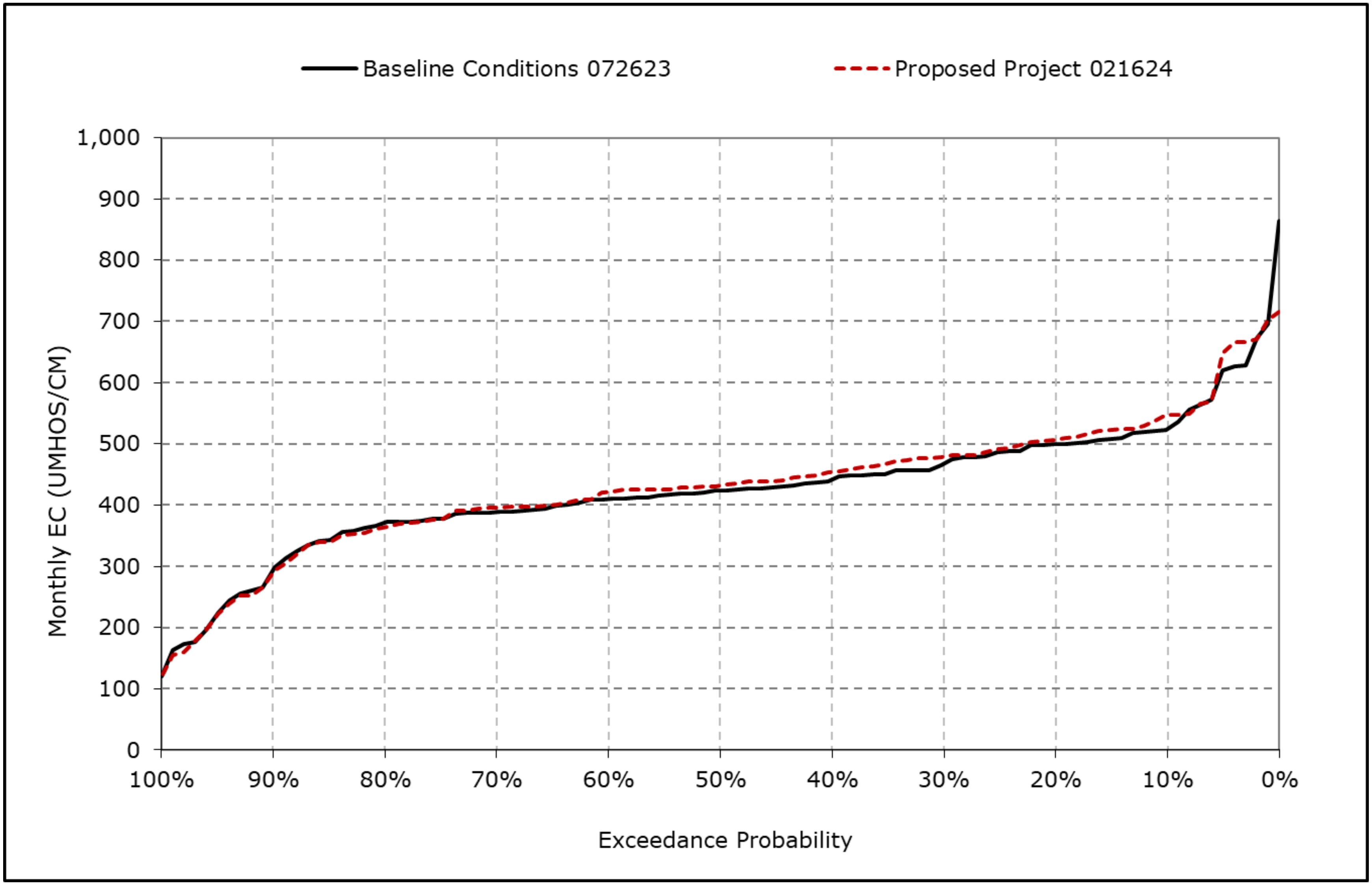
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-16k. Banks Pumping Plant South Delta Exports Salinity, February EC



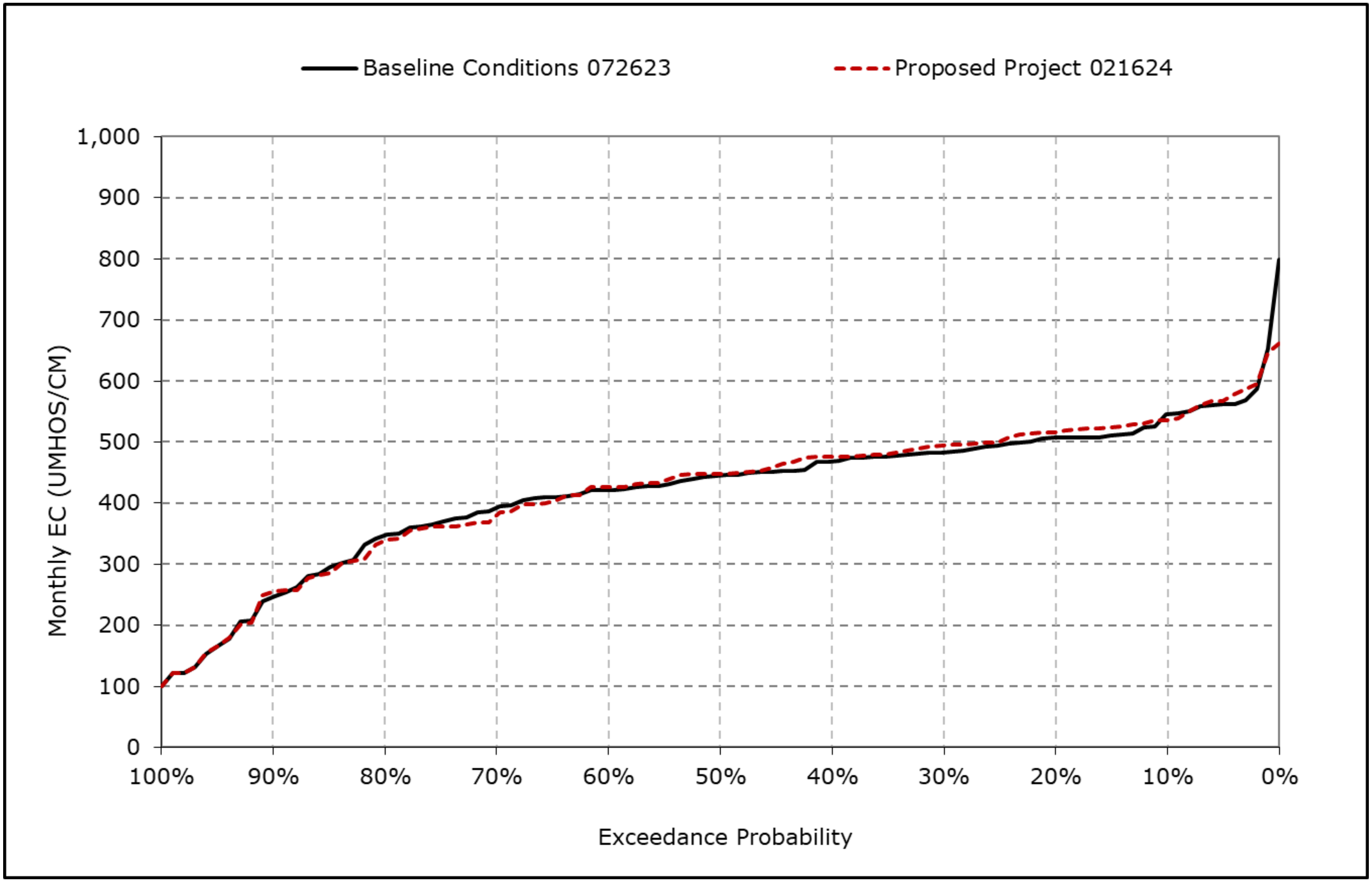
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-16l. Banks Pumping Plant South Delta Exports Salinity, March EC



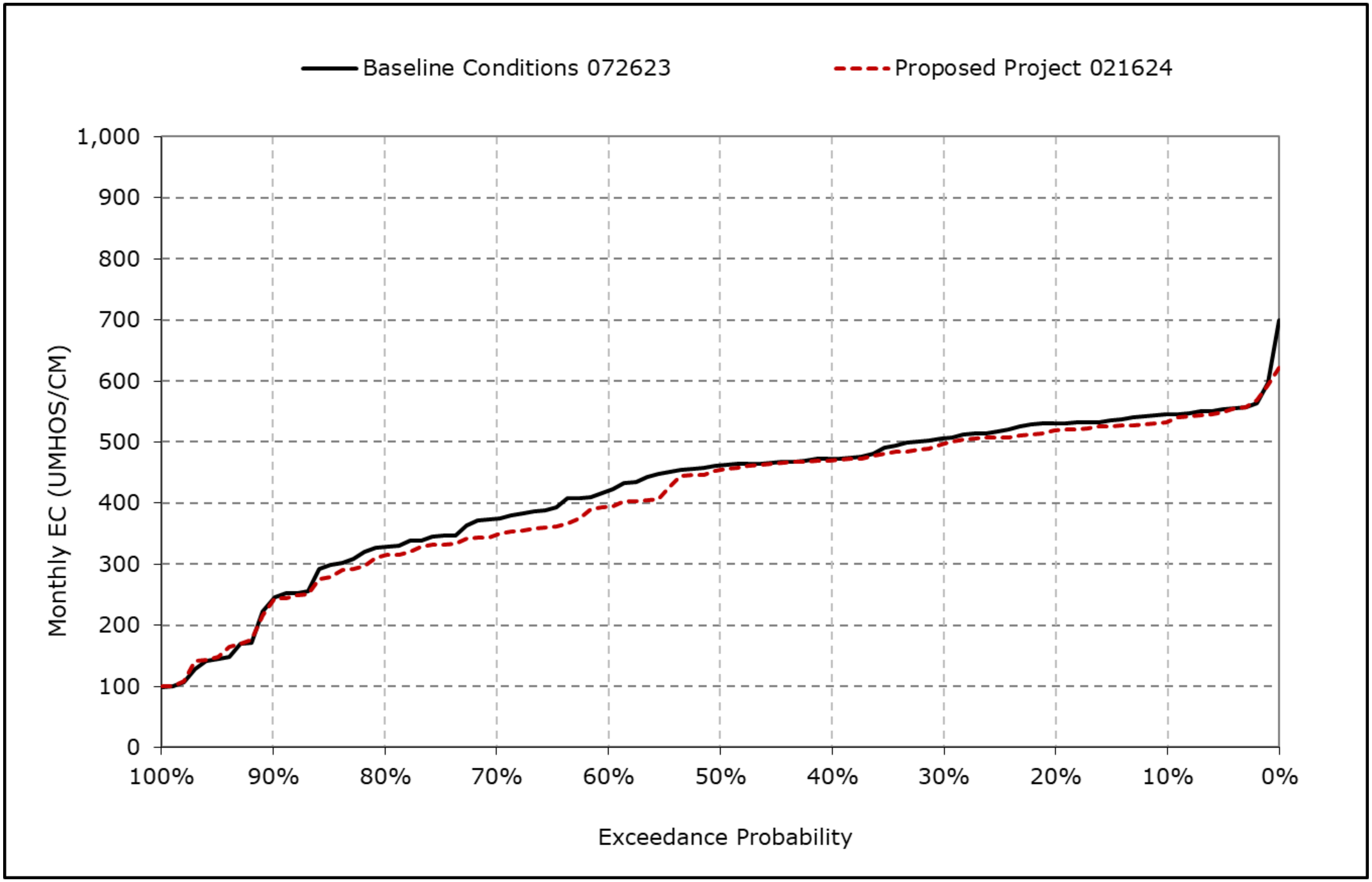
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-16m. Banks Pumping Plant South Delta Exports Salinity, April EC



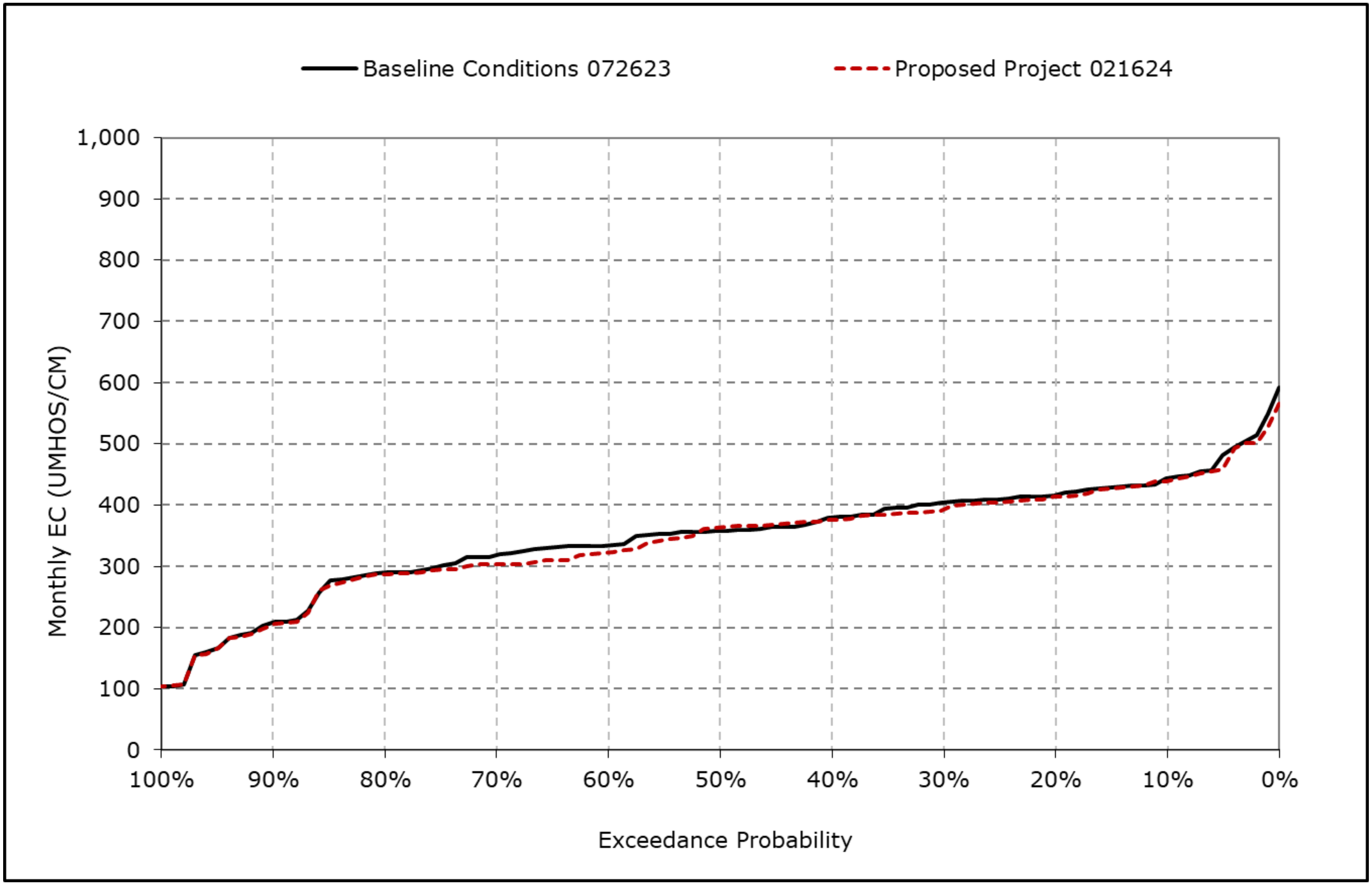
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-16n. Banks Pumping Plant South Delta Exports Salinity, May EC



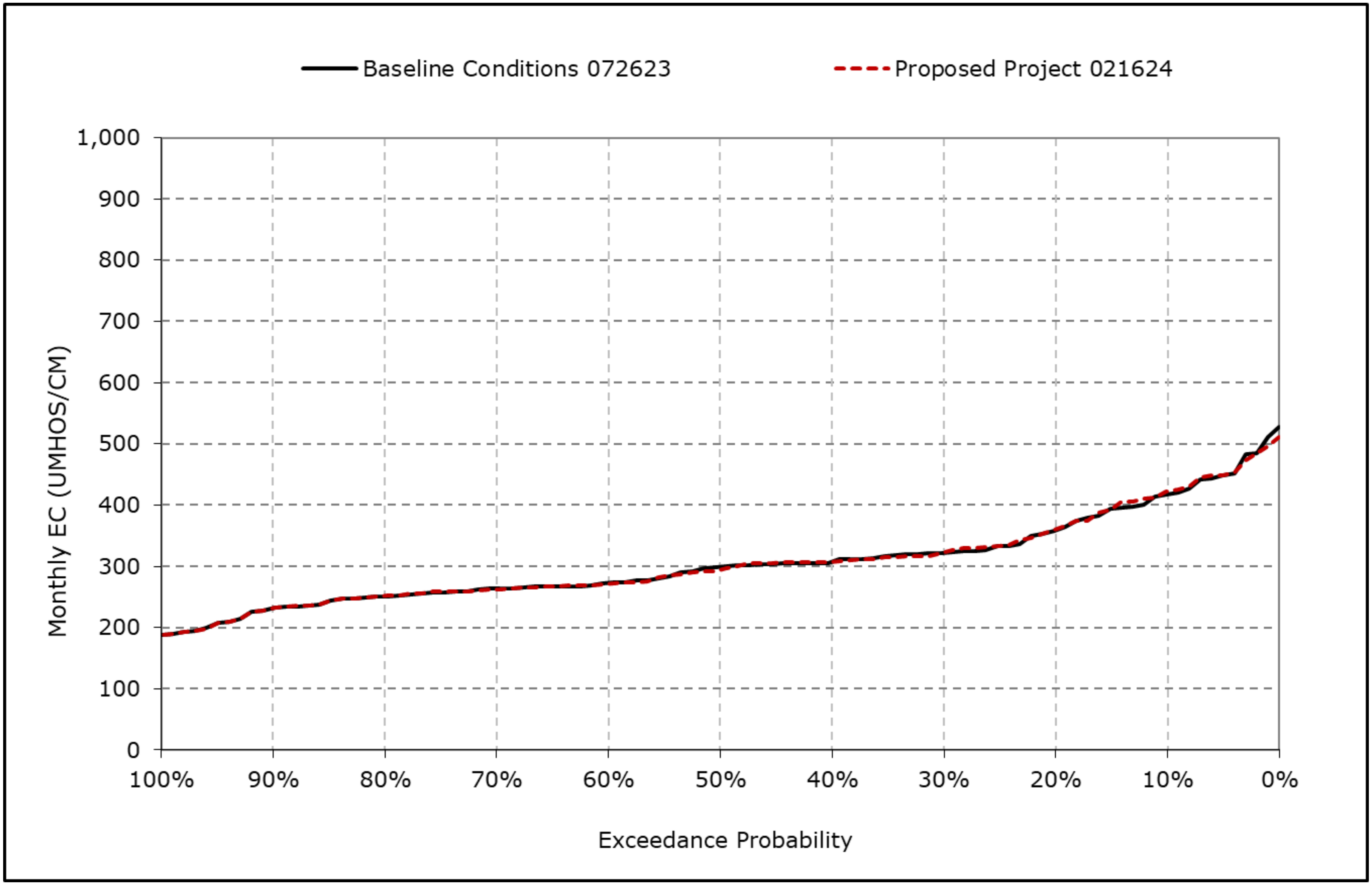
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-16o. Banks Pumping Plant South Delta Exports Salinity, June EC



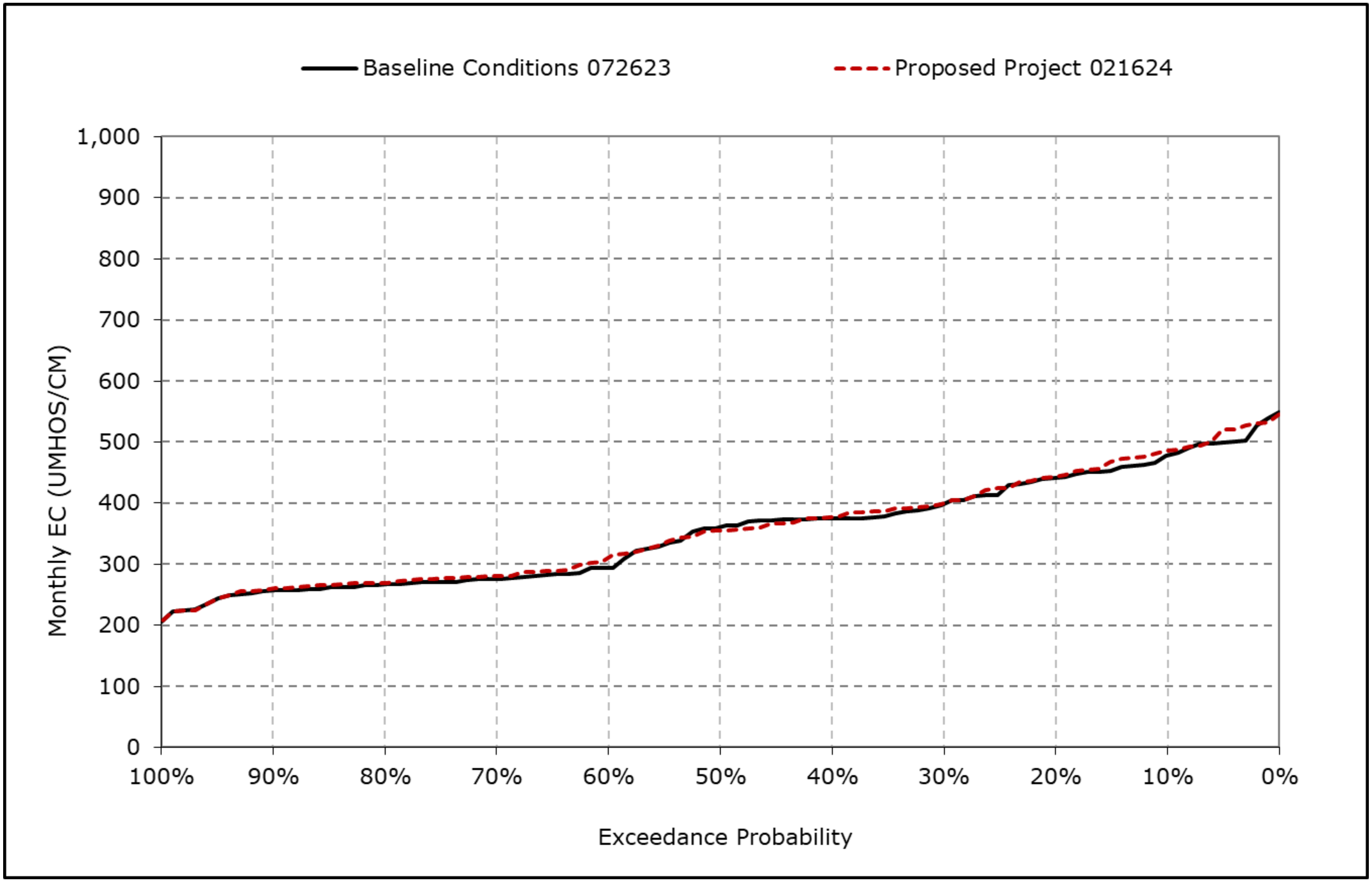
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-16p. Banks Pumping Plant South Delta Exports Salinity, July EC



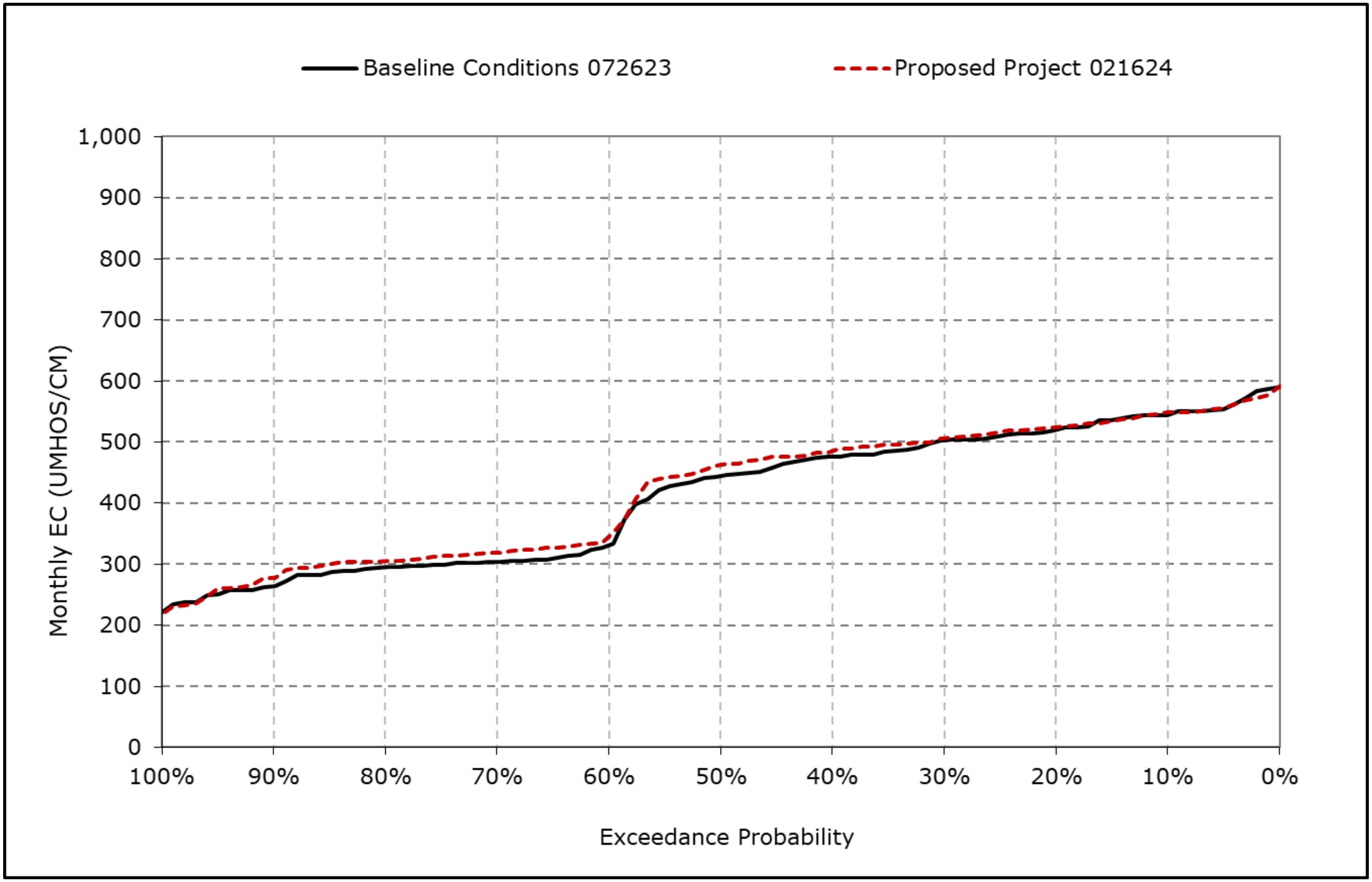
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-16q. Banks Pumping Plant South Delta Exports Salinity, August EC



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

Figure 4B-6-16r. Banks Pumping Plant South Delta Exports Salinity, September EC



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

Table 4B-6-17-1a. Jones Pumping Plant South Delta Exports Salinity, Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	628	751	846	810	739	674	626	547	461	443	485	558
20% Exceedance	608	690	782	782	672	639	609	531	412	393	471	538
30% Exceedance	598	632	771	757	624	599	601	519	404	362	435	524
40% Exceedance	579	586	738	719	586	577	585	499	389	354	414	506
50% Exceedance	558	568	704	651	558	559	555	450	375	346	401	487
60% Exceedance	397	438	669	573	516	532	442	394	367	334	352	368
70% Exceedance	370	413	588	522	478	435	379	351	354	315	330	358
80% Exceedance	360	395	520	474	395	376	312	304	315	304	323	346
90% Exceedance	349	383	425	392	297	258	212	191	179	273	304	317
Full Simulation Period Average[a]	497	543	661	626	538	510	469	412	355	346	390	448
Wet Water Years (30%)	478	498	549	495	397	340	281	262	254	283	309	333
Above Normal Years (11%)	512	565	715	645	546	508	439	386	348	325	327	354
Below Normal Years (21%)	468	513	647	648	568	548	501	424	376	342	410	538
Dry Water Years (22%)	489	536	716	696	608	595	600	519	392	378	465	505
Critical Water Years (16%)	571	664	778	735	660	664	620	548	468	438	459	529

Table 4B-6-17-1b. Jones Pumping Plant South Delta Exports Salinity, Proposed Project 021624, Monthly EC (UMHOS/CM)

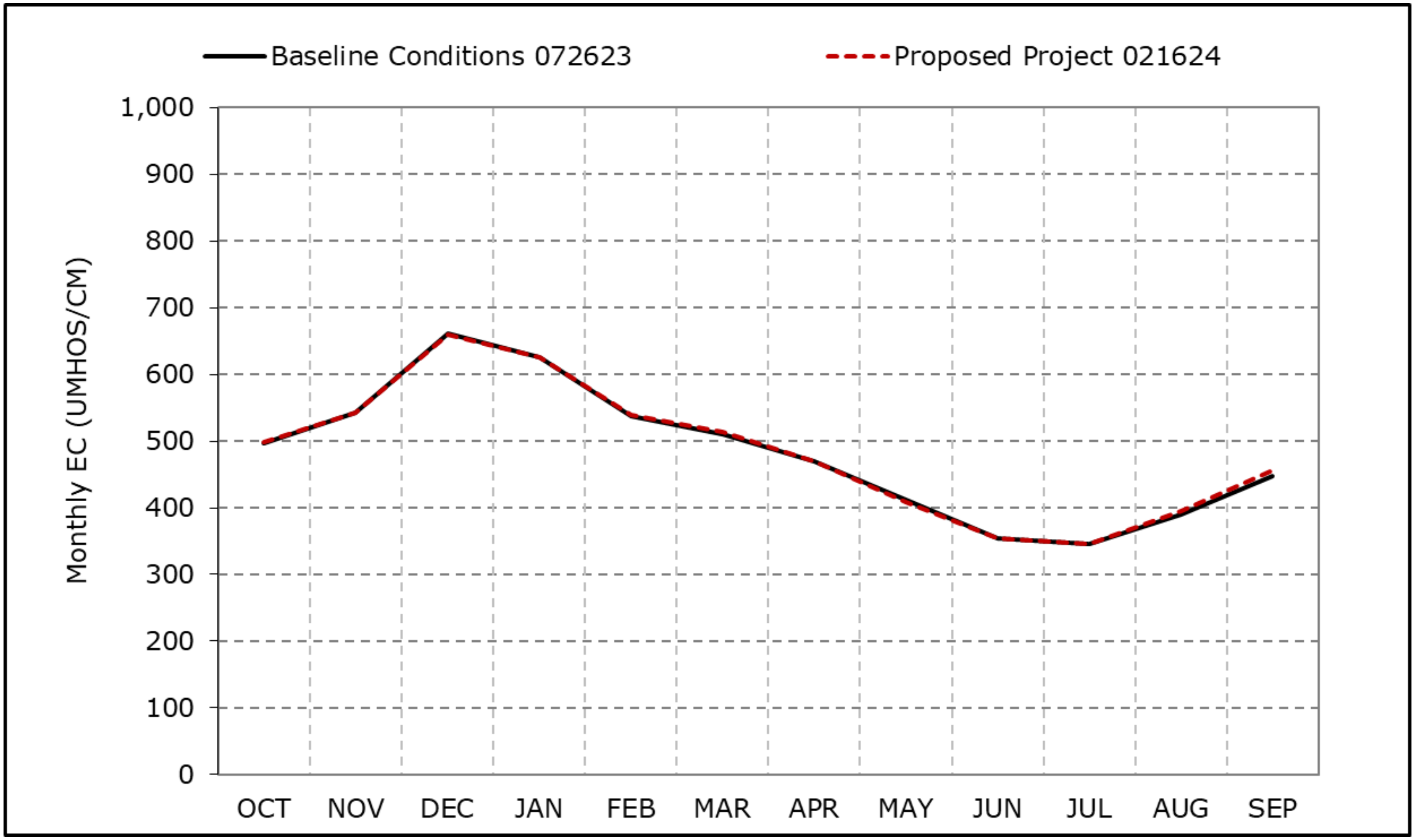
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	638	757	833	794	728	680	626	543	458	445	491	558
20% Exceedance	611	688	781	778	677	647	611	528	412	390	474	542
30% Exceedance	598	618	765	749	632	604	599	517	402	363	439	527
40% Exceedance	572	593	731	715	590	586	590	499	393	353	418	513
50% Exceedance	543	564	705	657	565	571	561	453	380	344	397	500
60% Exceedance	399	441	667	582	521	530	442	374	363	331	363	385
70% Exceedance	372	410	587	525	486	434	374	350	355	315	335	370
80% Exceedance	363	396	522	478	396	372	316	302	319	304	325	357
90% Exceedance	352	385	426	395	297	258	211	190	179	273	305	327
Full Simulation Period Average[a]	498	543	660	625	540	514	469	408	355	345	394	455
Wet Water Years (30%)	480	501	552	496	398	339	281	256	254	283	311	341
Above Normal Years (11%)	515	565	716	653	549	513	439	374	349	323	335	369
Below Normal Years (21%)	466	511	647	648	572	557	502	425	375	339	406	531
Dry Water Years (22%)	487	530	711	693	616	605	601	518	396	380	476	524
Critical Water Years (16%)	578	668	772	727	651	664	617	544	465	439	461	534

Table 4B-6-17-1c. Jones Pumping Plant South Delta Exports Salinity, Proposed Project 021624 minus Baseline Conditions 072623, Monthly EC (UMHOS/CM)

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

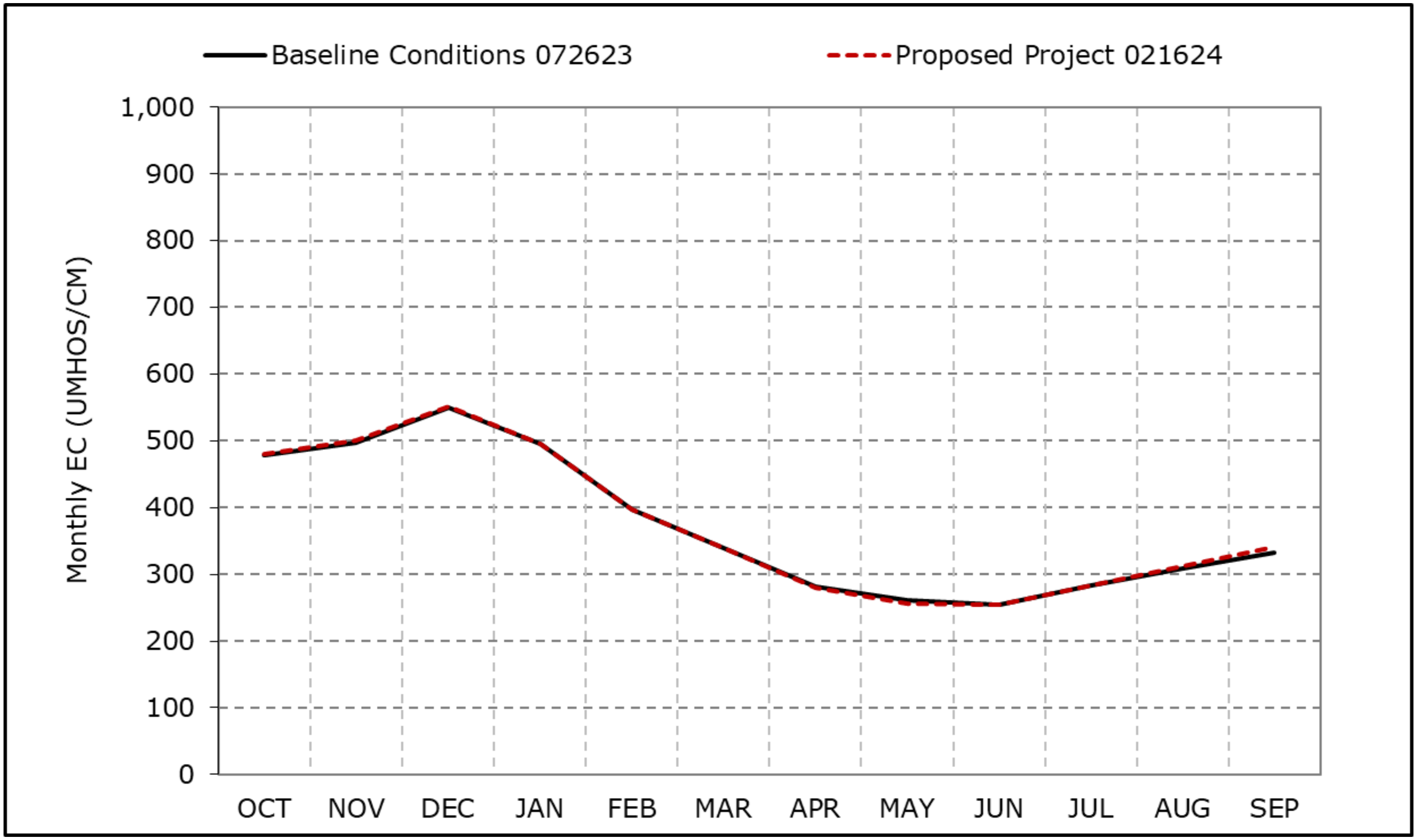
[a] Based on the 100-year simulation period.
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-6-17a. Jones Pumping Plant South Delta Exports Salinity, Long-Term Average EC



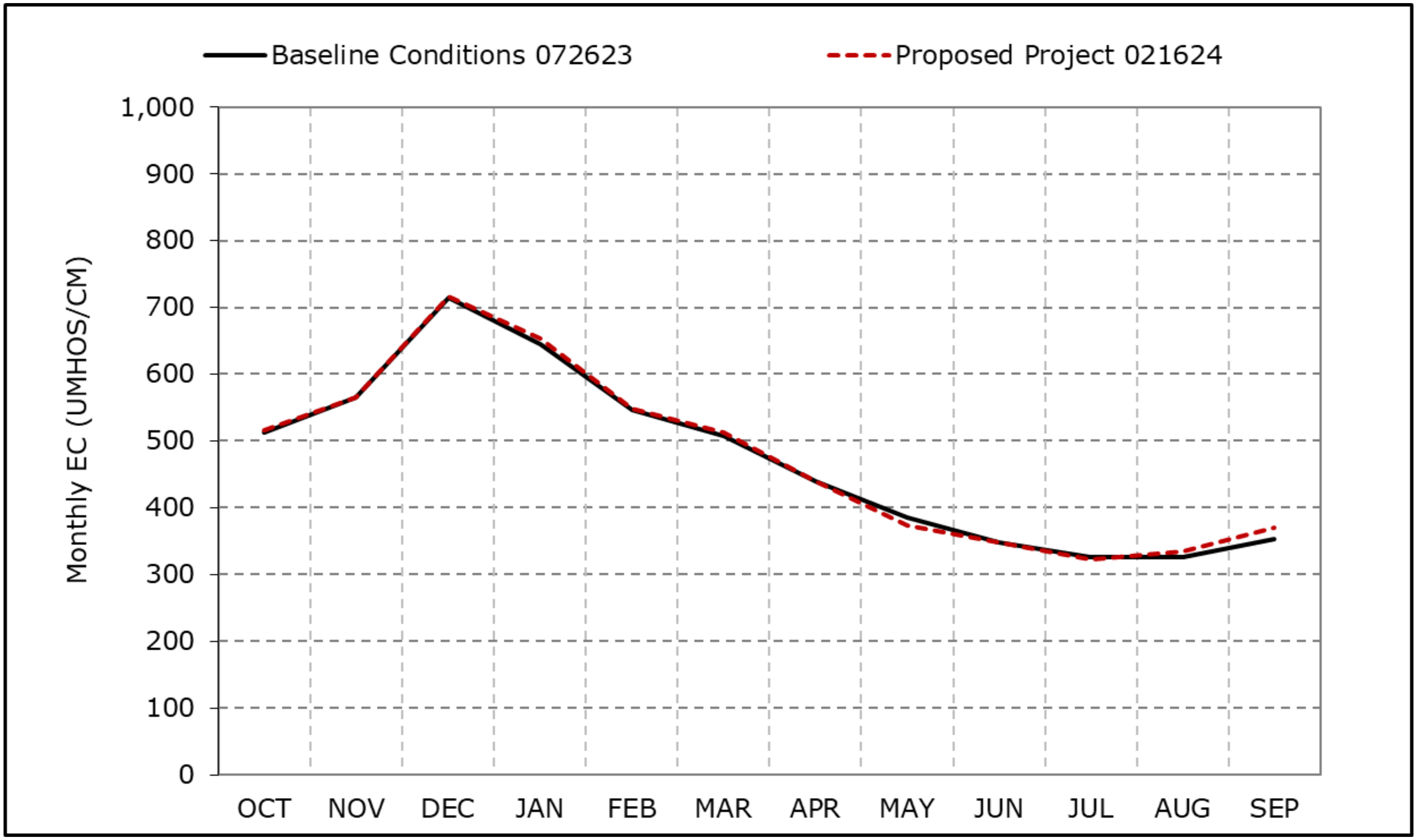
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-17b. Jones Pumping Plant South Delta Exports Salinity, Wet Year Average EC



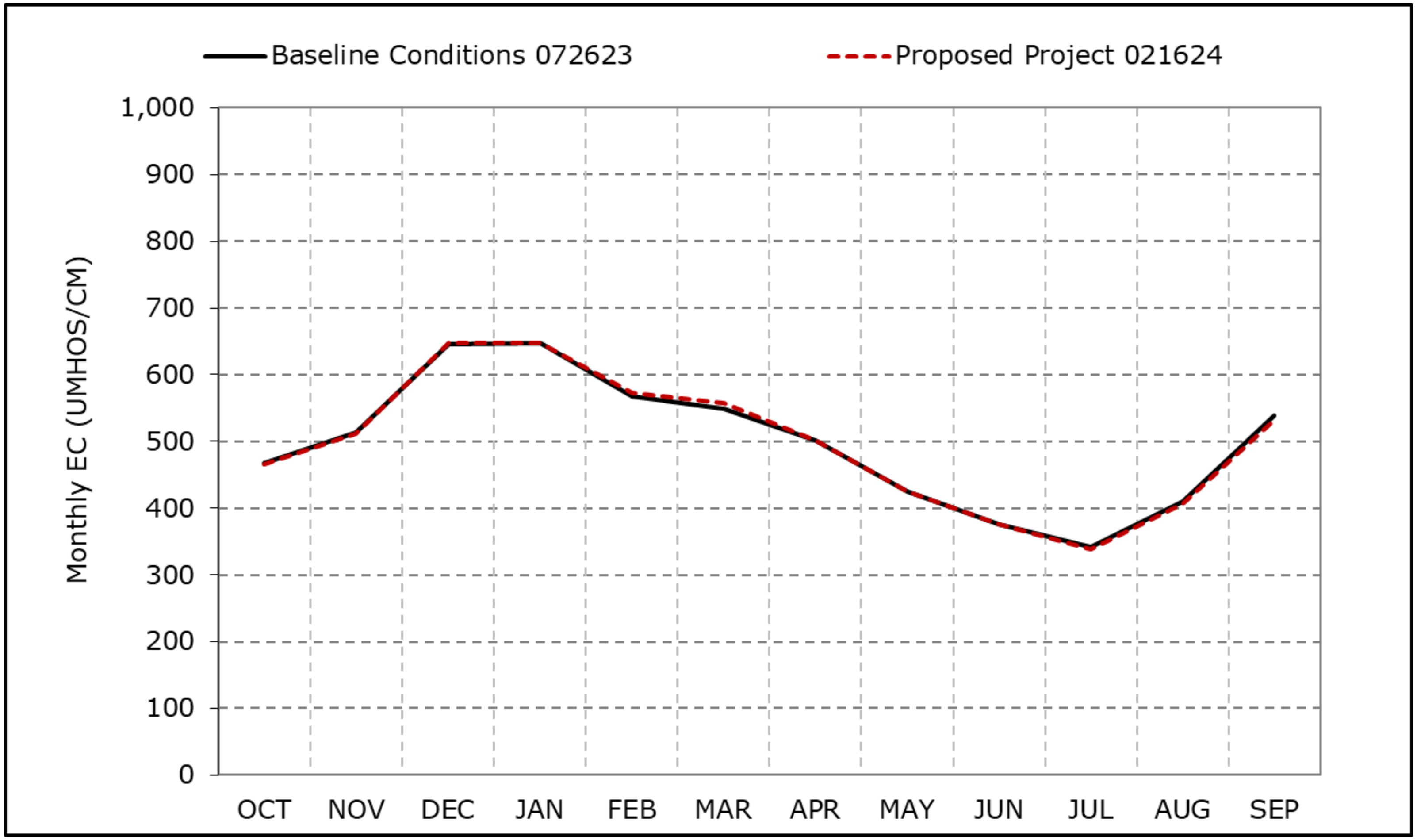
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-17c. Jones Pumping Plant South Delta Exports Salinity, Above Normal Year Average EC



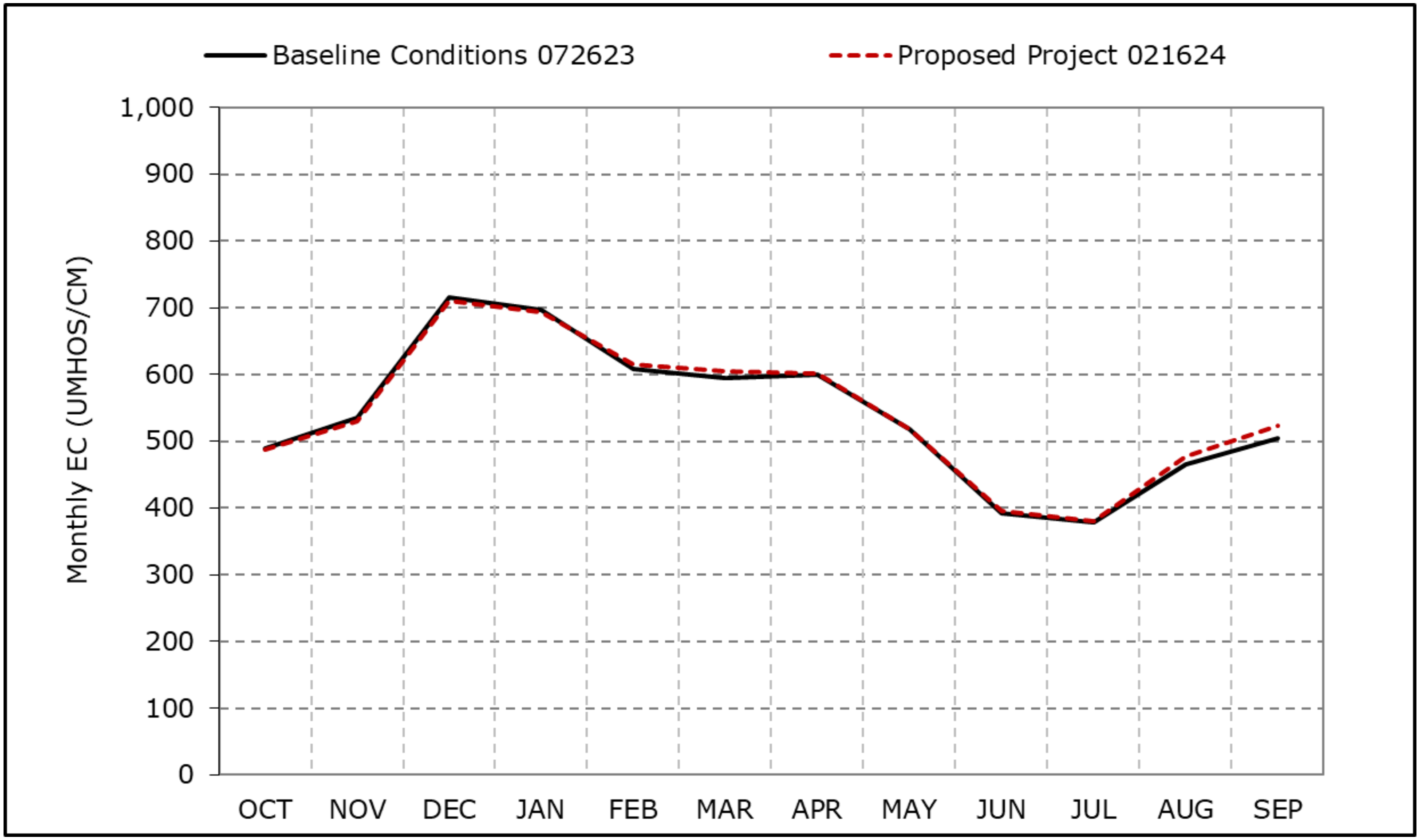
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-17d. Jones Pumping Plant South Delta Exports Salinity, Below Normal Year Average EC



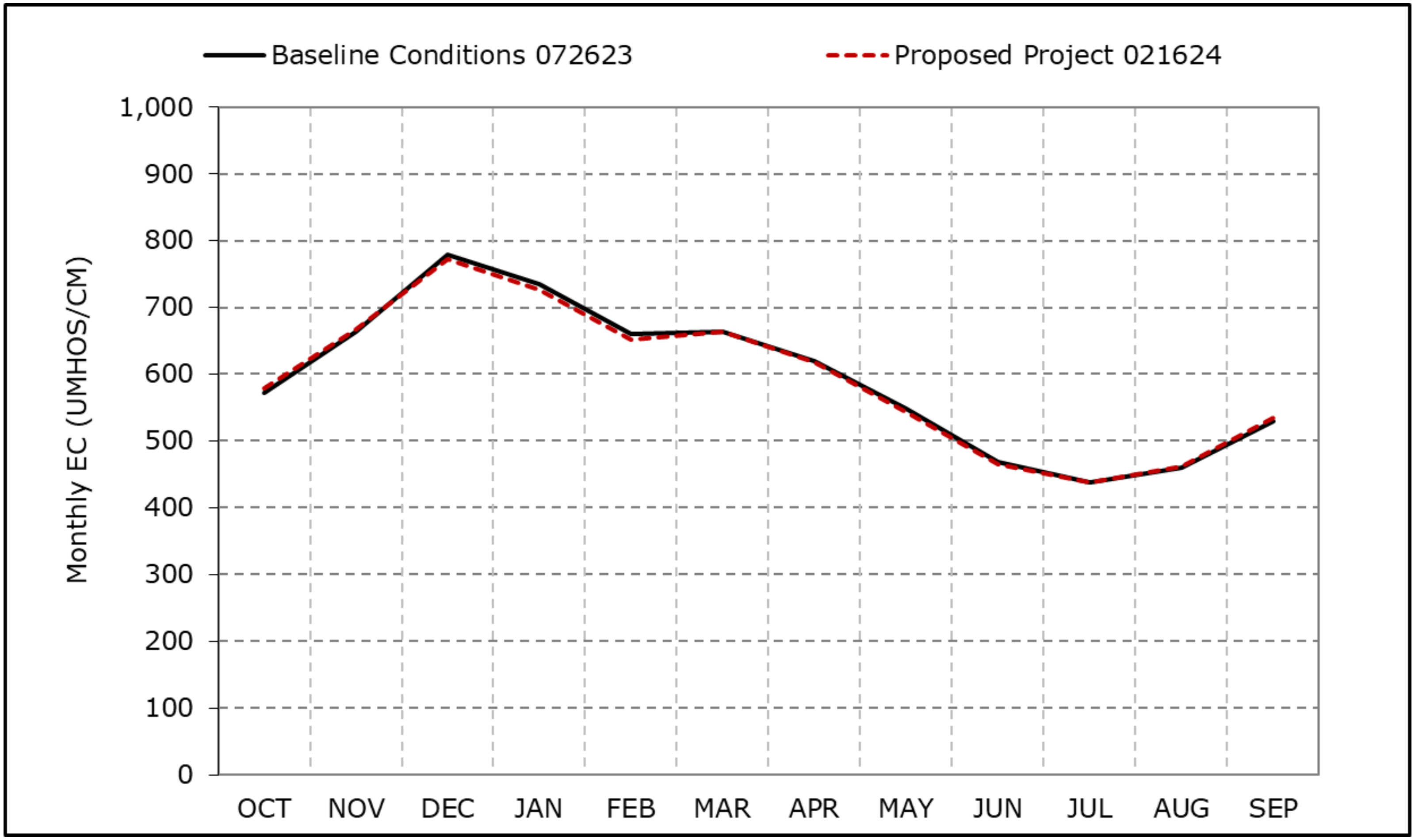
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-17e. Jones Pumping Plant South Delta Exports Salinity, Dry Year Average EC



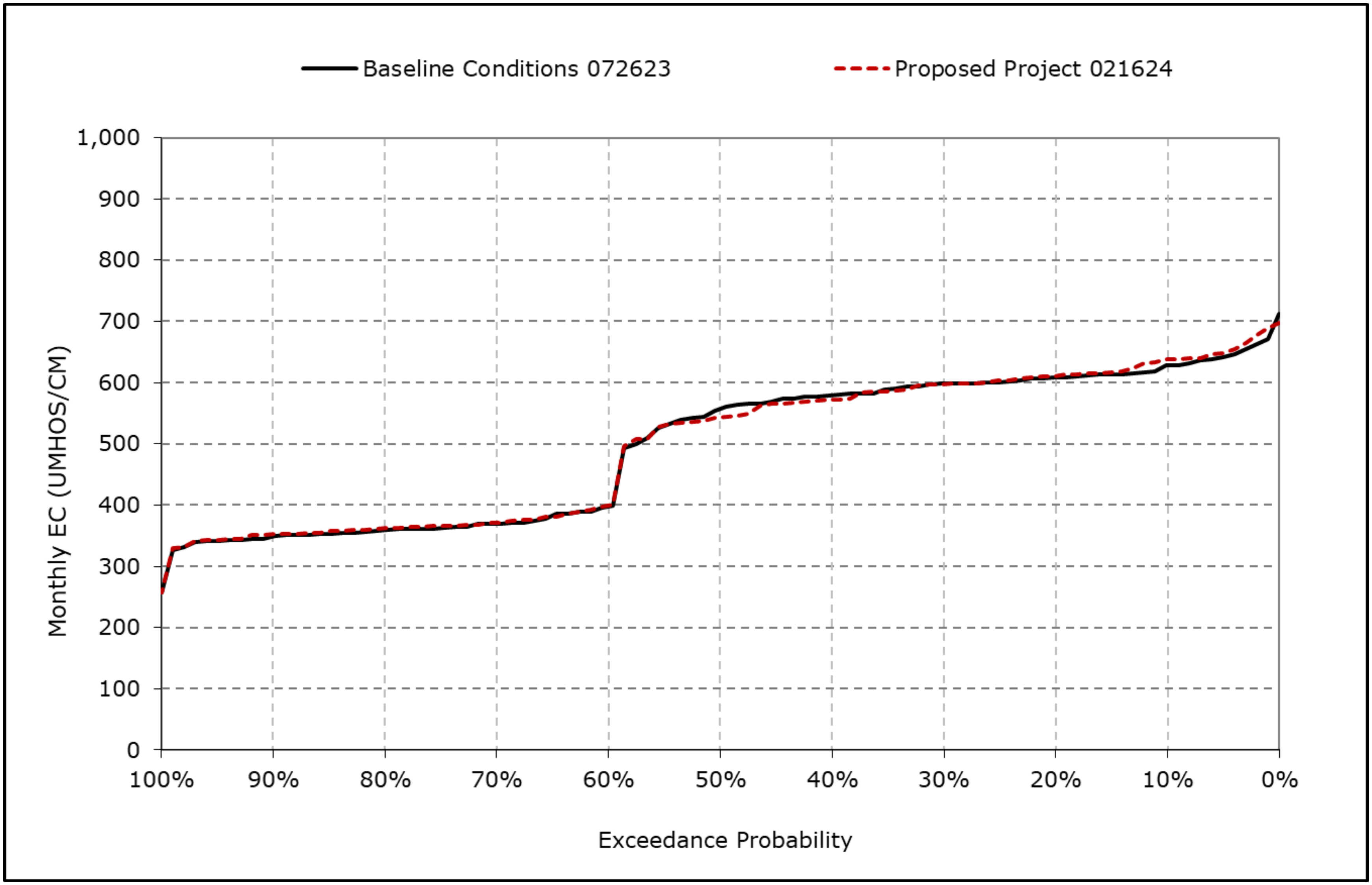
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-17f. Jones Pumping Plant South Delta Exports Salinity, Critical Year Average EC



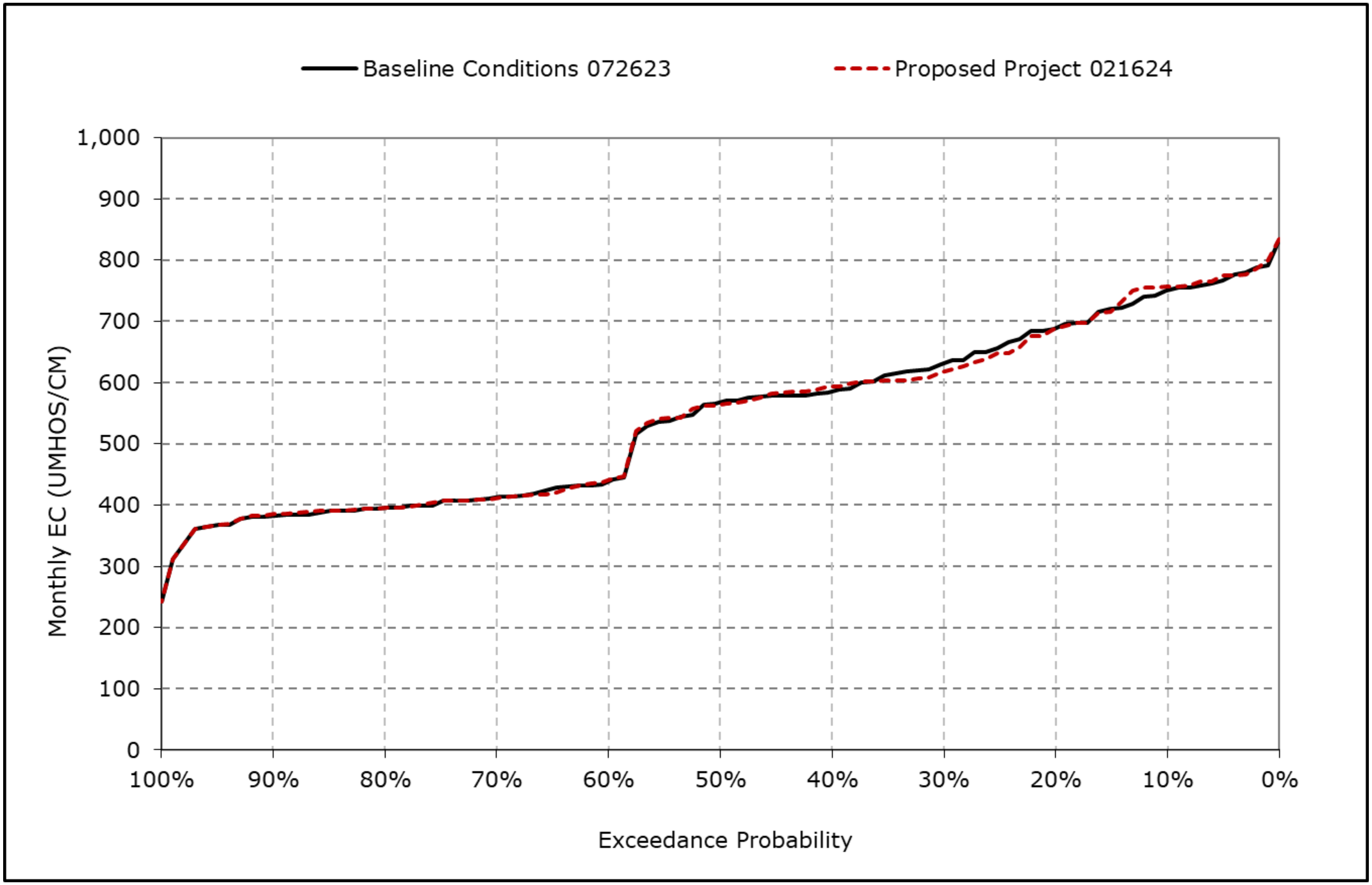
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-17g. Jones Pumping Plant South Delta Exports Salinity, October EC



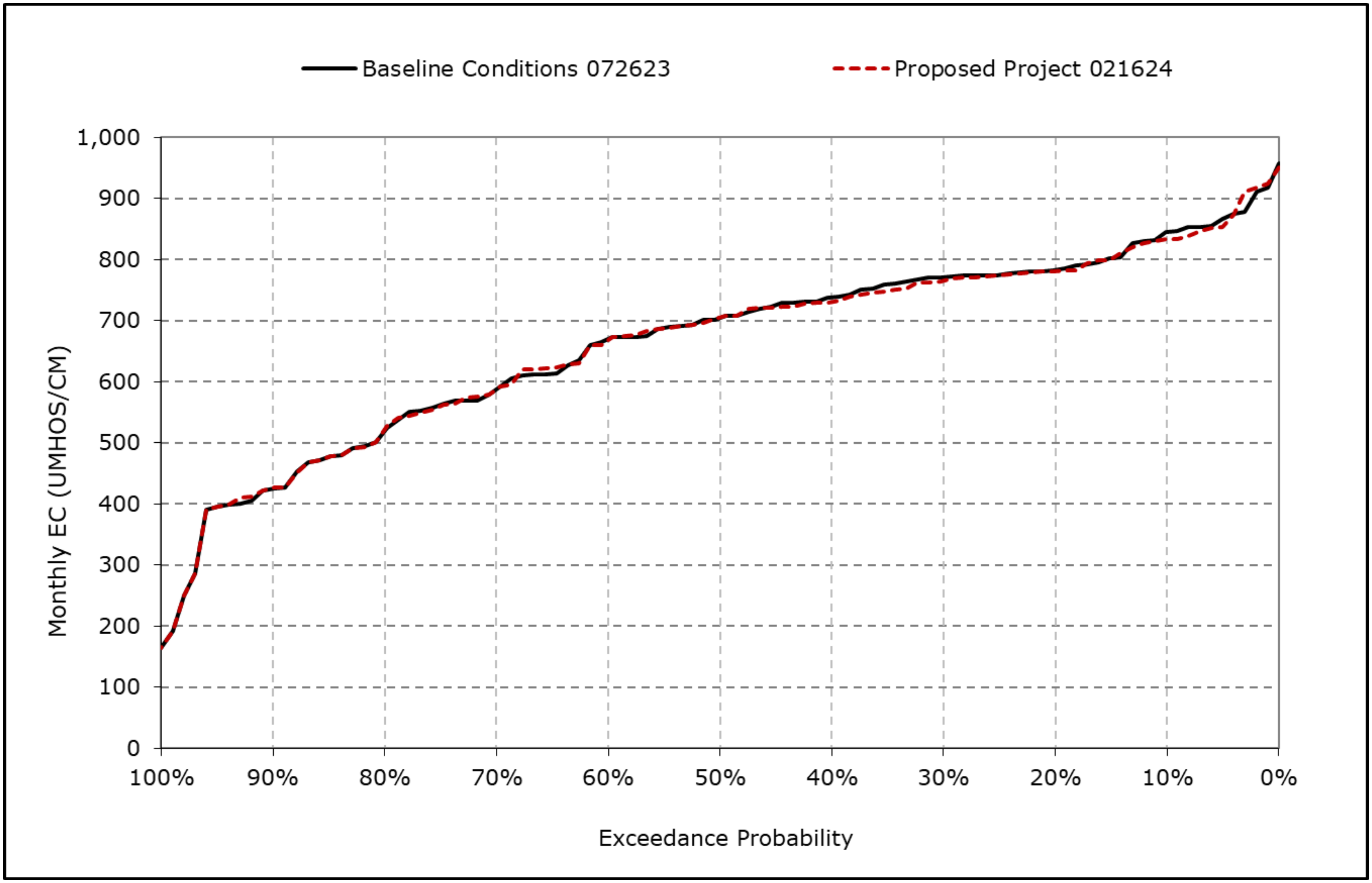
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-17h. Jones Pumping Plant South Delta Exports Salinity, November EC



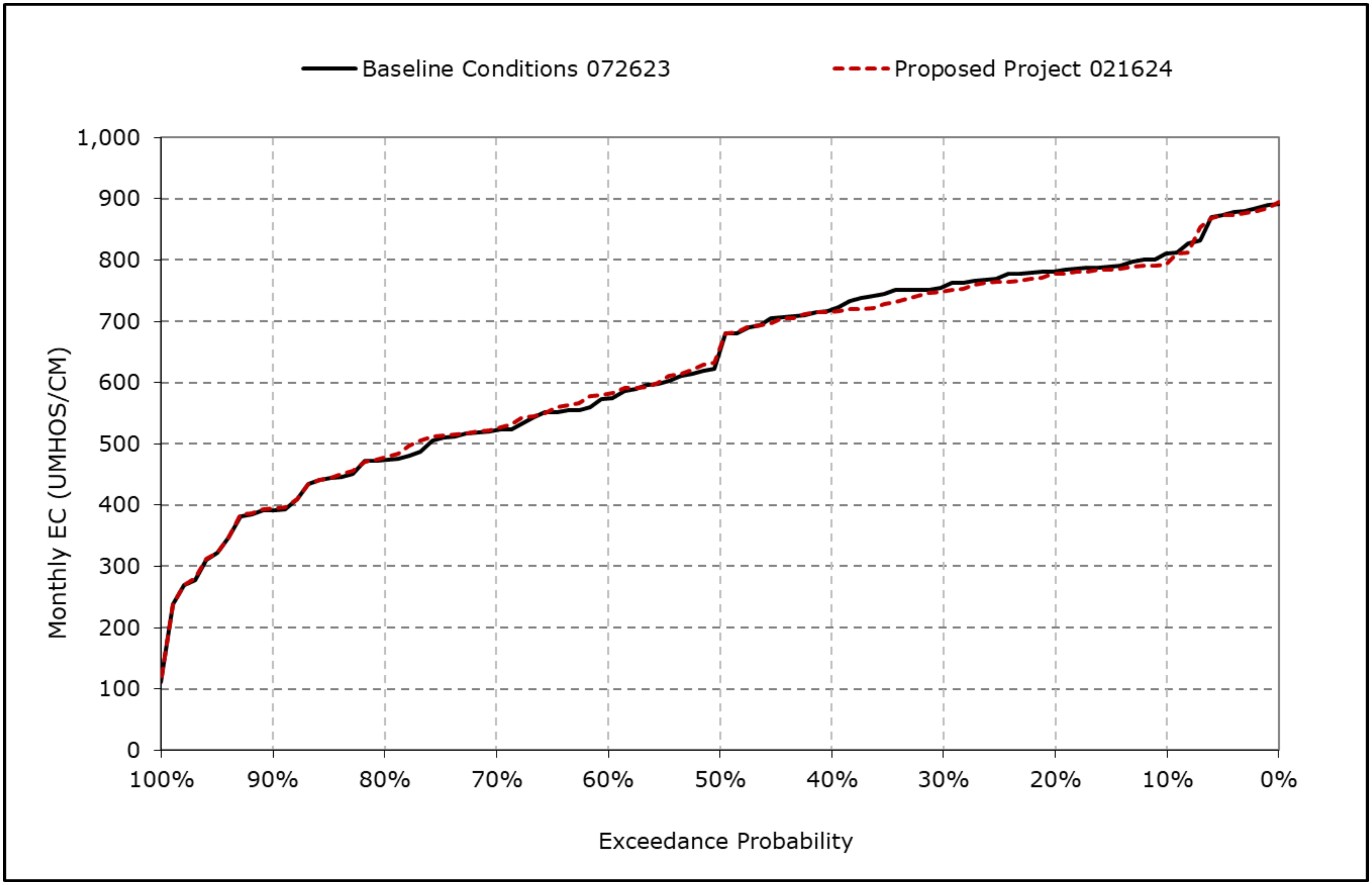
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-17i. Jones Pumping Plant South Delta Exports Salinity, December EC



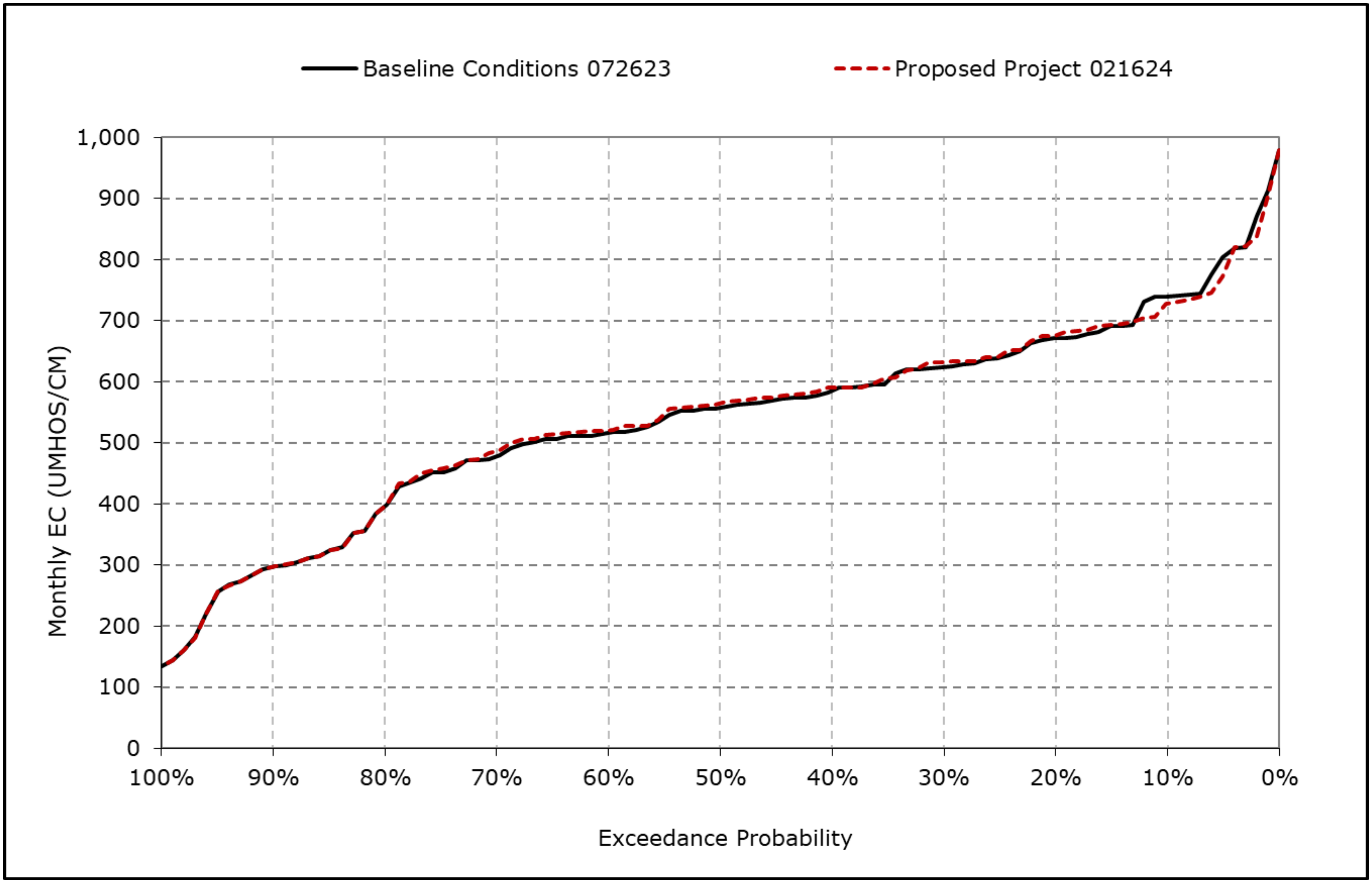
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-17j. Jones Pumping Plant South Delta Exports Salinity, January EC



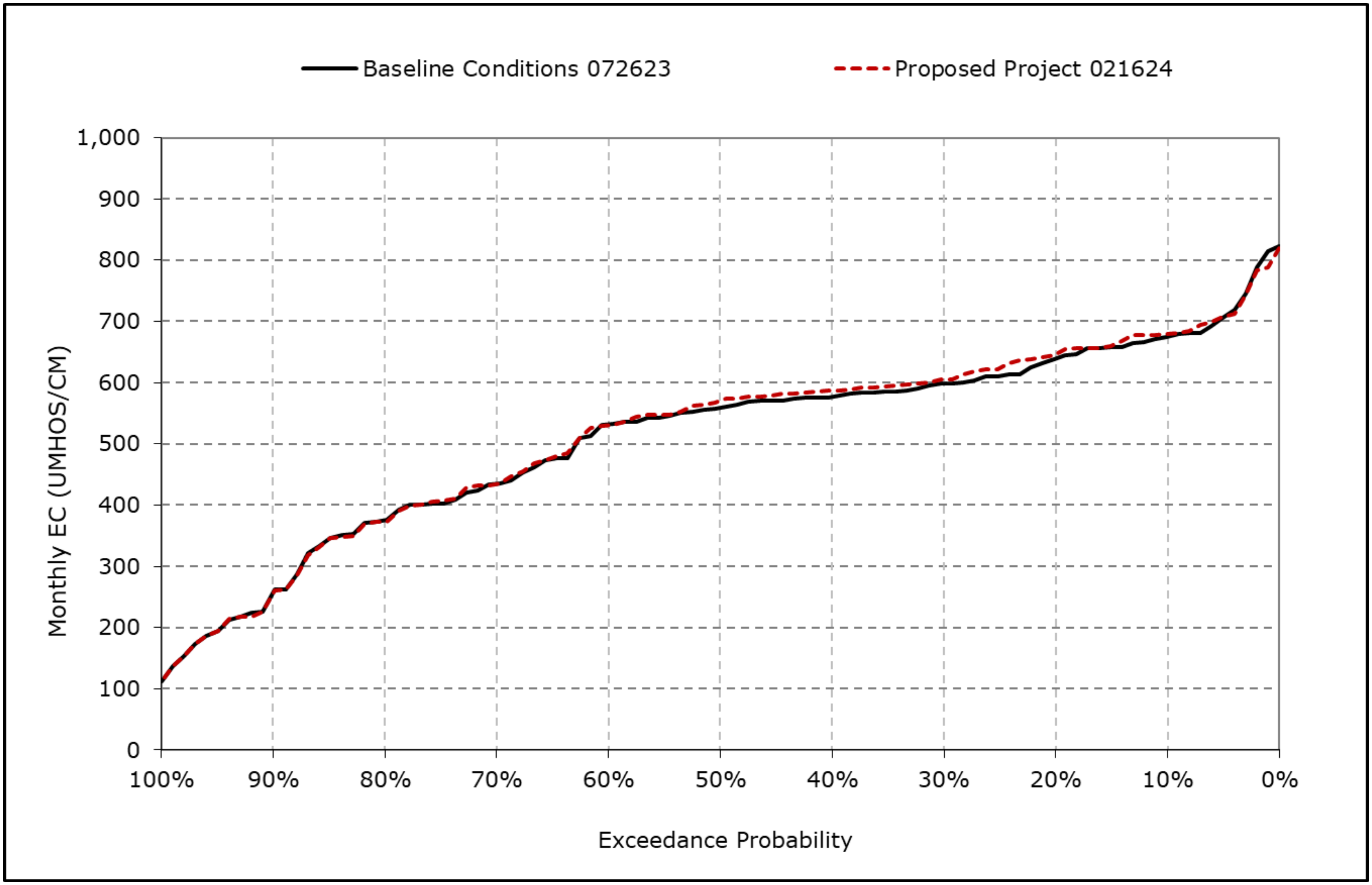
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-17k. Jones Pumping Plant South Delta Exports Salinity, February EC



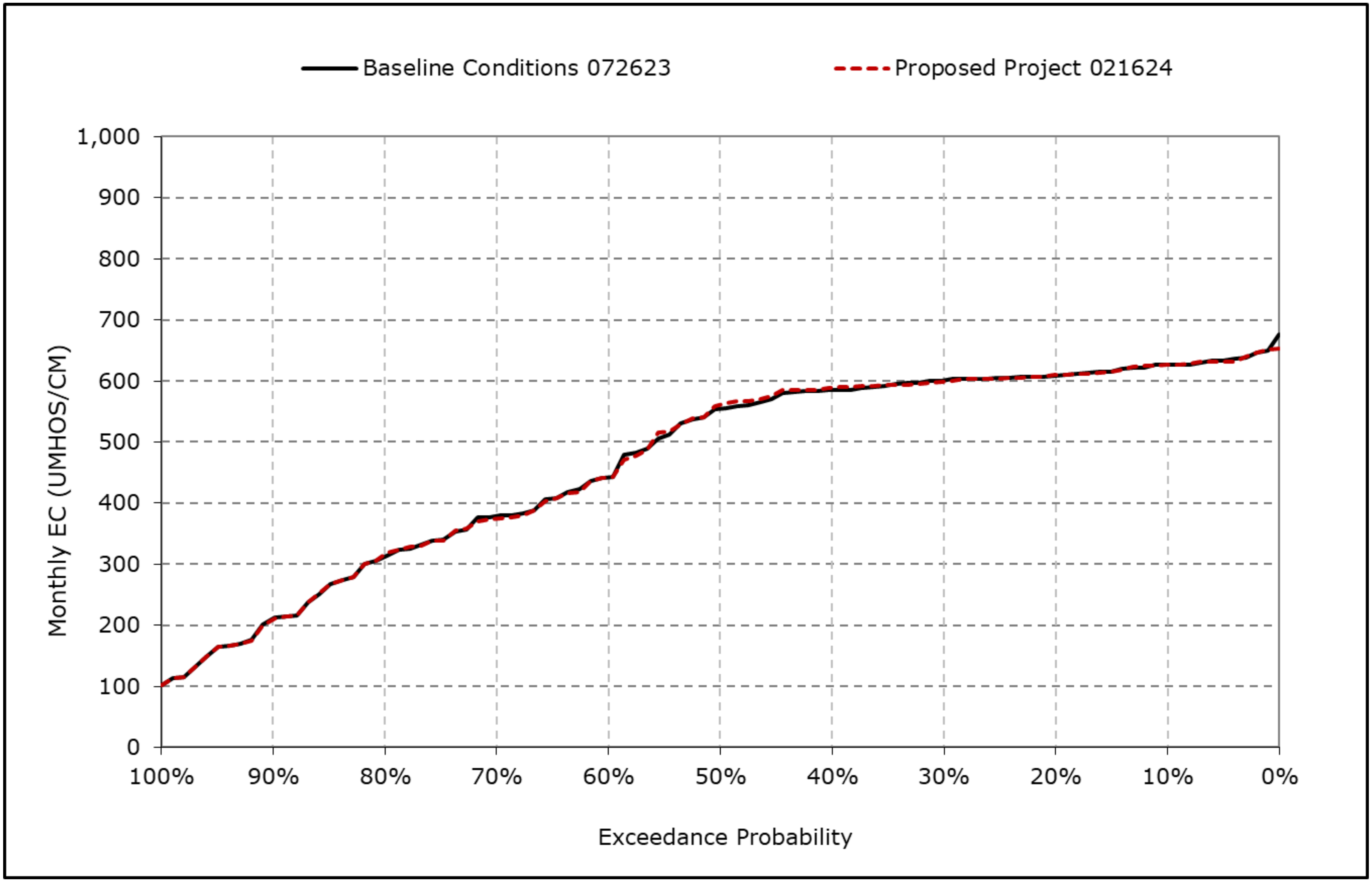
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-17l. Jones Pumping Plant South Delta Exports Salinity, March EC



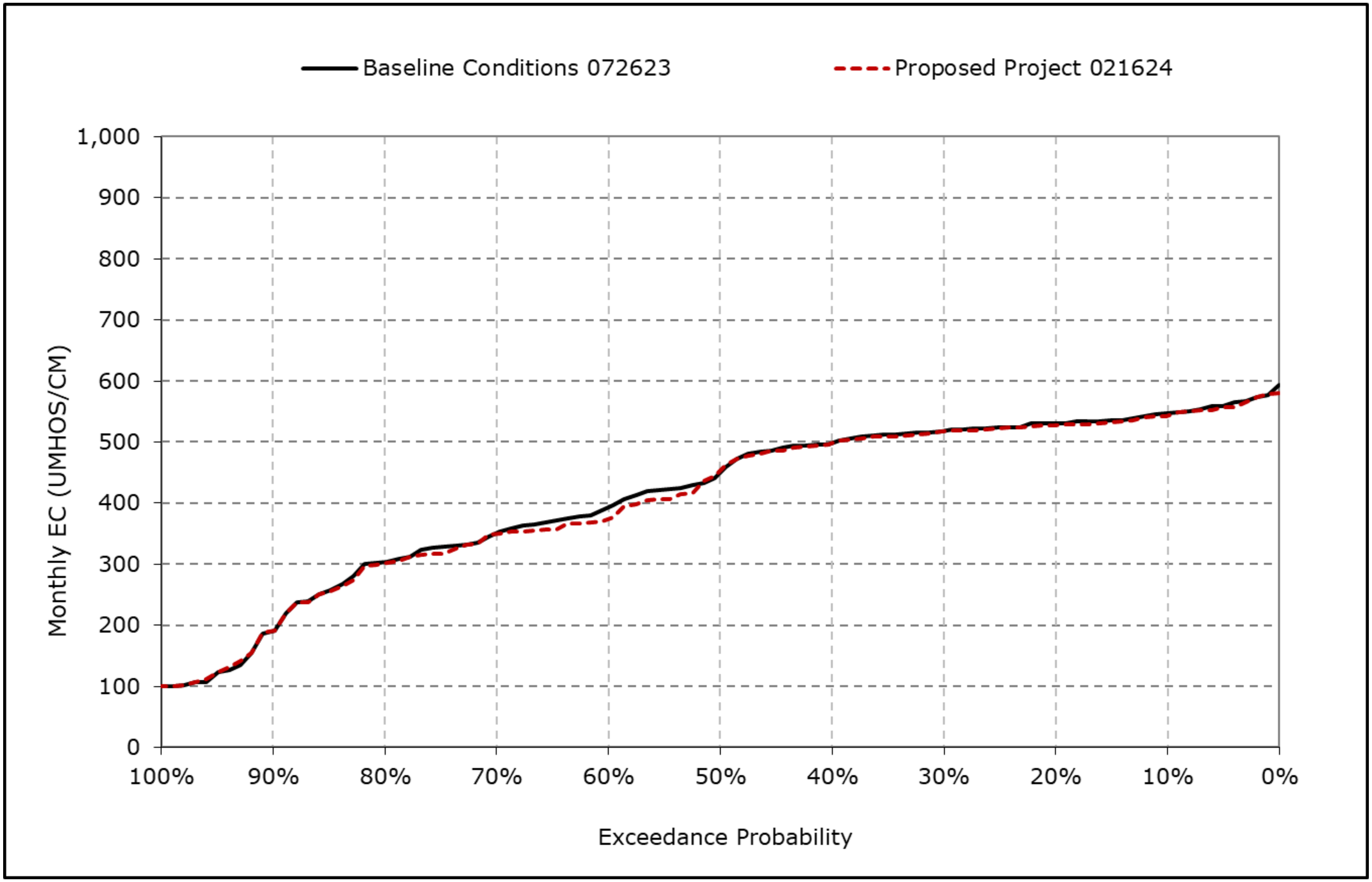
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-17m. Jones Pumping Plant South Delta Exports Salinity, April EC



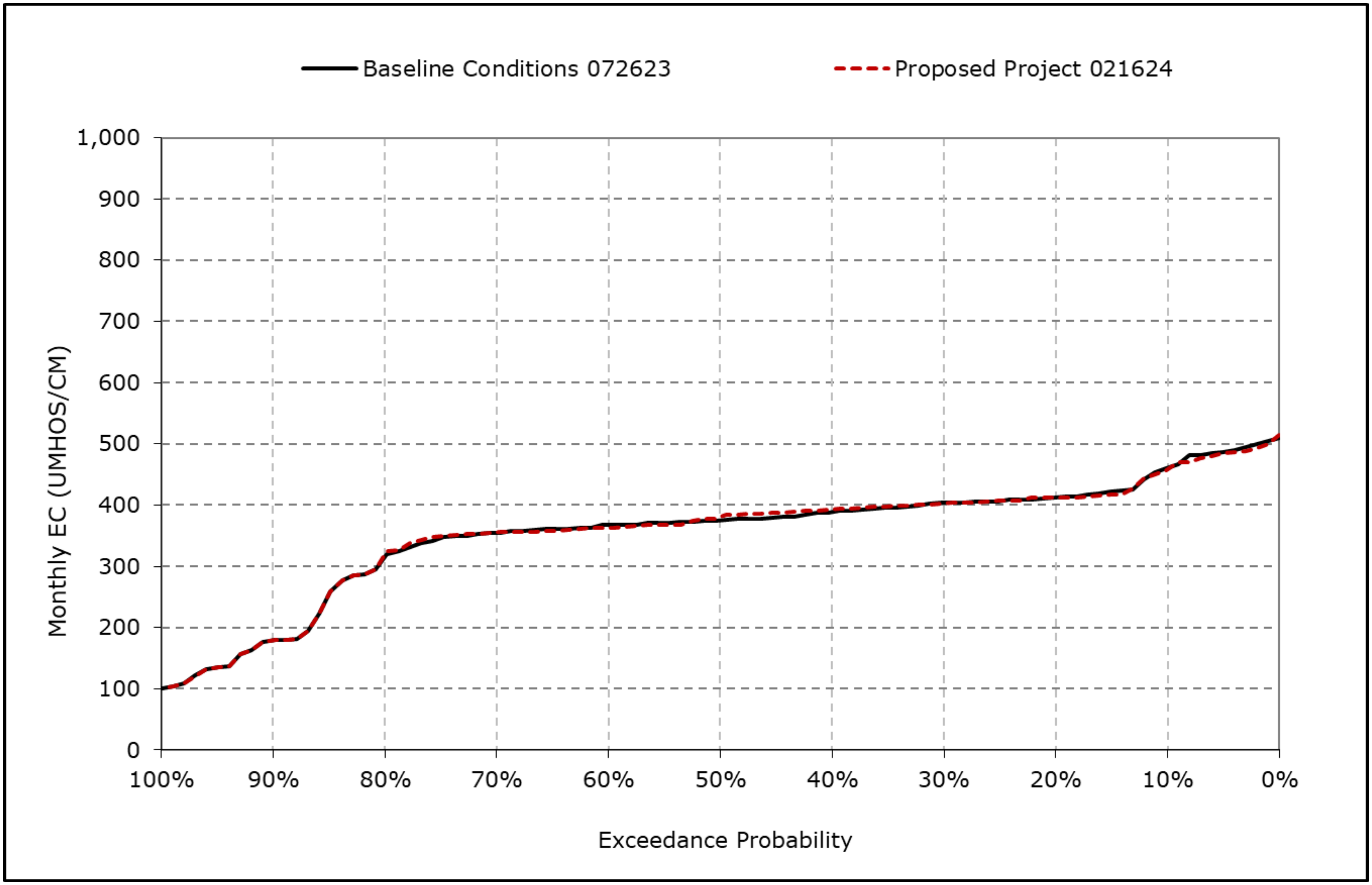
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-17n. Jones Pumping Plant South Delta Exports Salinity, May EC



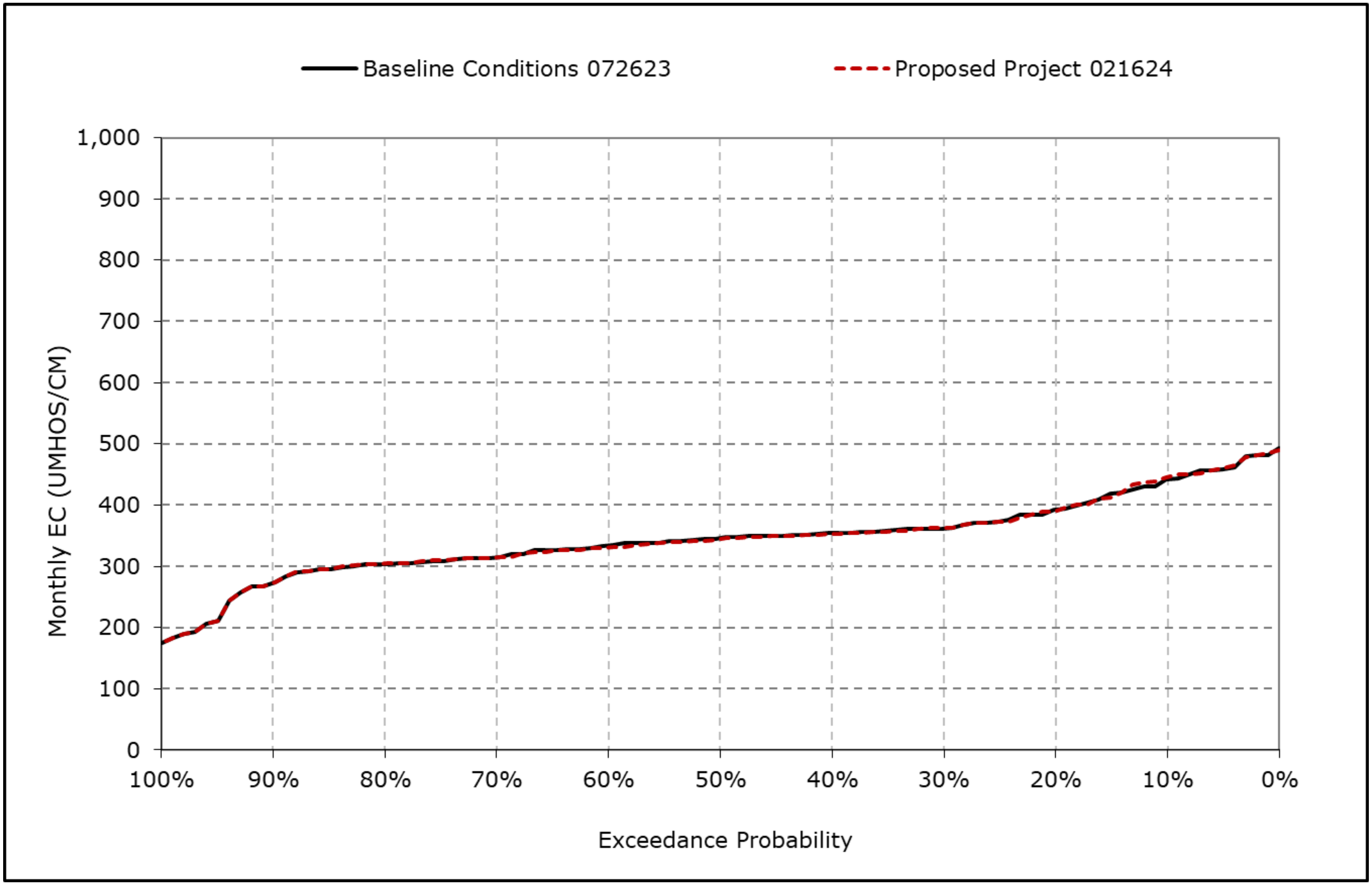
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-17o. Jones Pumping Plant South Delta Exports Salinity, June EC



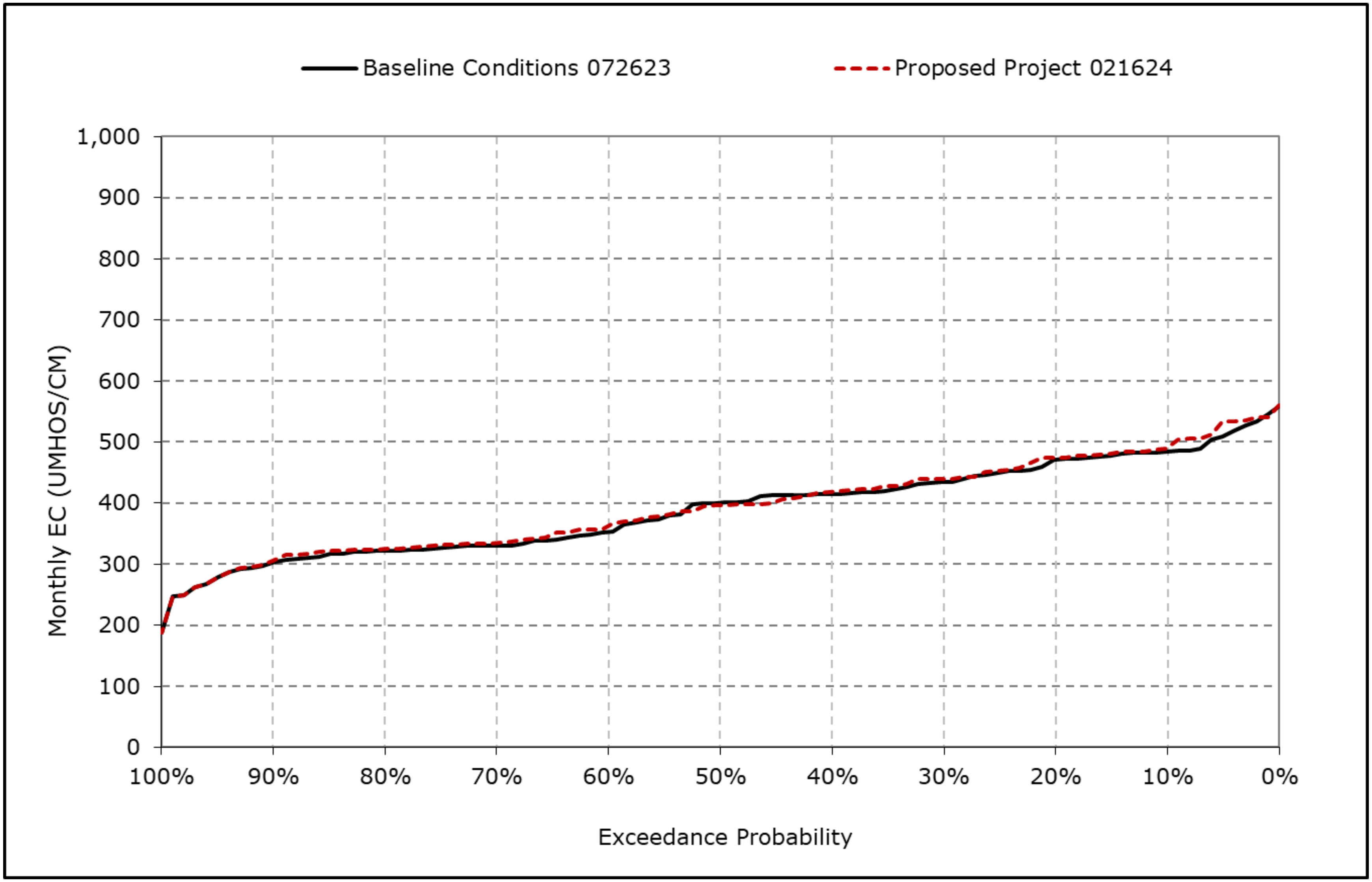
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-17p. Jones Pumping Plant South Delta Exports Salinity, July EC



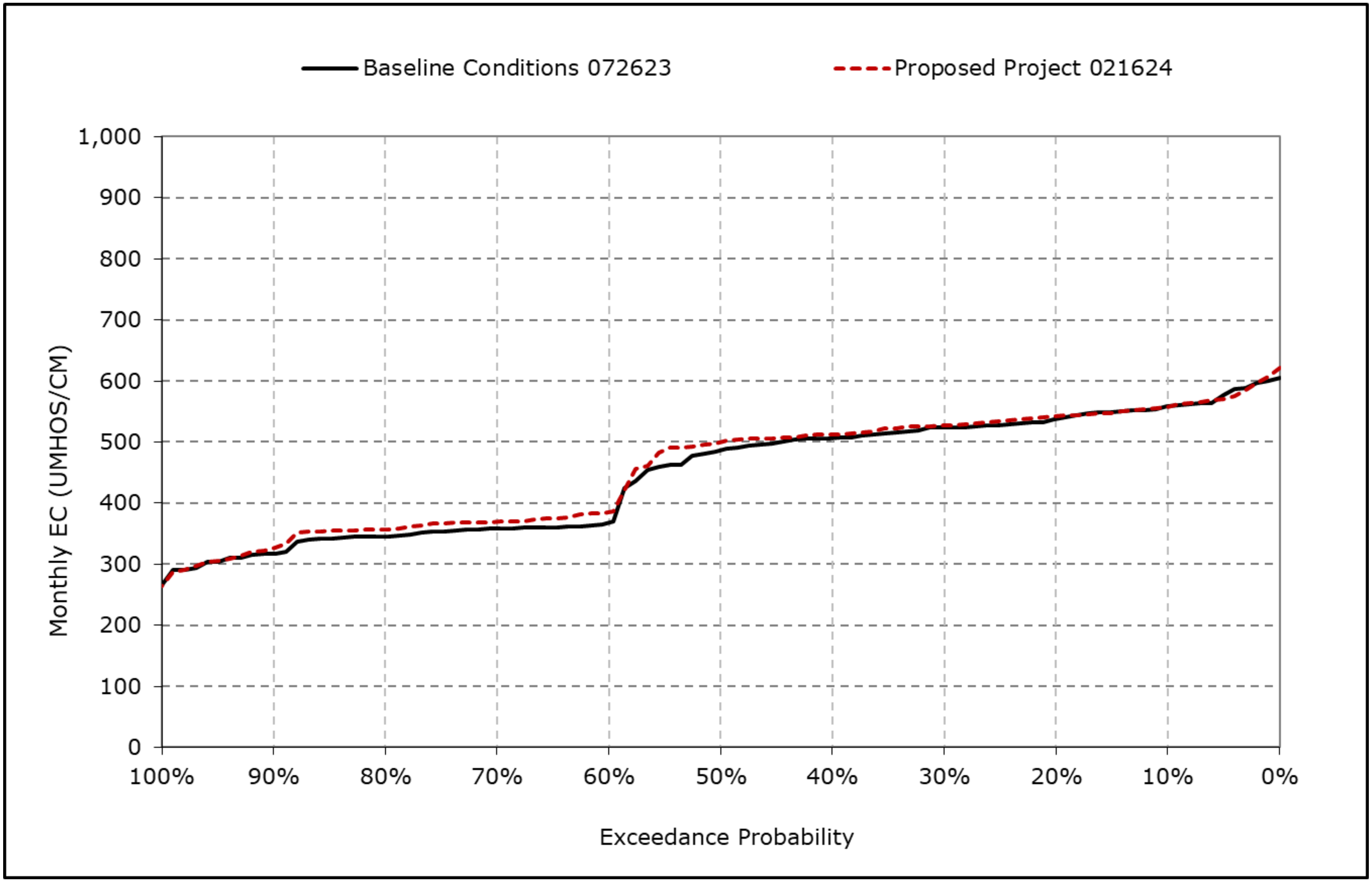
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-17q. Jones Pumping Plant South Delta Exports Salinity, August EC



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

Figure 4B-6-17r. Jones Pumping Plant South Delta Exports Salinity, September EC



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

Table 4B-6-18-1a. Old River at Highway 4, Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	696	838	986	919	698	482	537	530	395	434	531	635
20% Exceedance	667	752	933	842	545	421	514	506	345	374	480	609
30% Exceedance	651	660	887	796	485	401	469	468	332	338	448	583
40% Exceedance	635	622	816	734	437	383	429	427	318	325	427	558
50% Exceedance	590	578	764	544	413	370	415	405	310	306	409	527
60% Exceedance	269	373	609	438	386	360	399	376	291	265	314	334
70% Exceedance	261	328	545	383	362	347	378	344	279	251	286	310
80% Exceedance	256	311	450	337	330	330	359	308	265	237	271	298
90% Exceedance	247	282	310	298	299	311	285	262	213	222	250	252
Full Simulation Period Average[a]	485	534	694	592	449	383	418	399	307	311	384	462
Wet Water Years (30%)	457	465	498	396	357	331	319	284	238	231	263	280
Above Normal Years (11%)	489	560	740	543	413	382	435	379	285	250	280	303
Below Normal Years (21%)	441	475	688	634	439	382	449	440	316	305	421	612
Dry Water Years (22%)	474	534	799	728	503	387	467	477	325	367	498	557
Critical Water Years (16%)	606	726	894	753	586	480	486	467	411	430	477	583

Table 4B-6-18-1b. Old River at Highway 4, Proposed Project 021624, Monthly EC (UMHOS/CM)

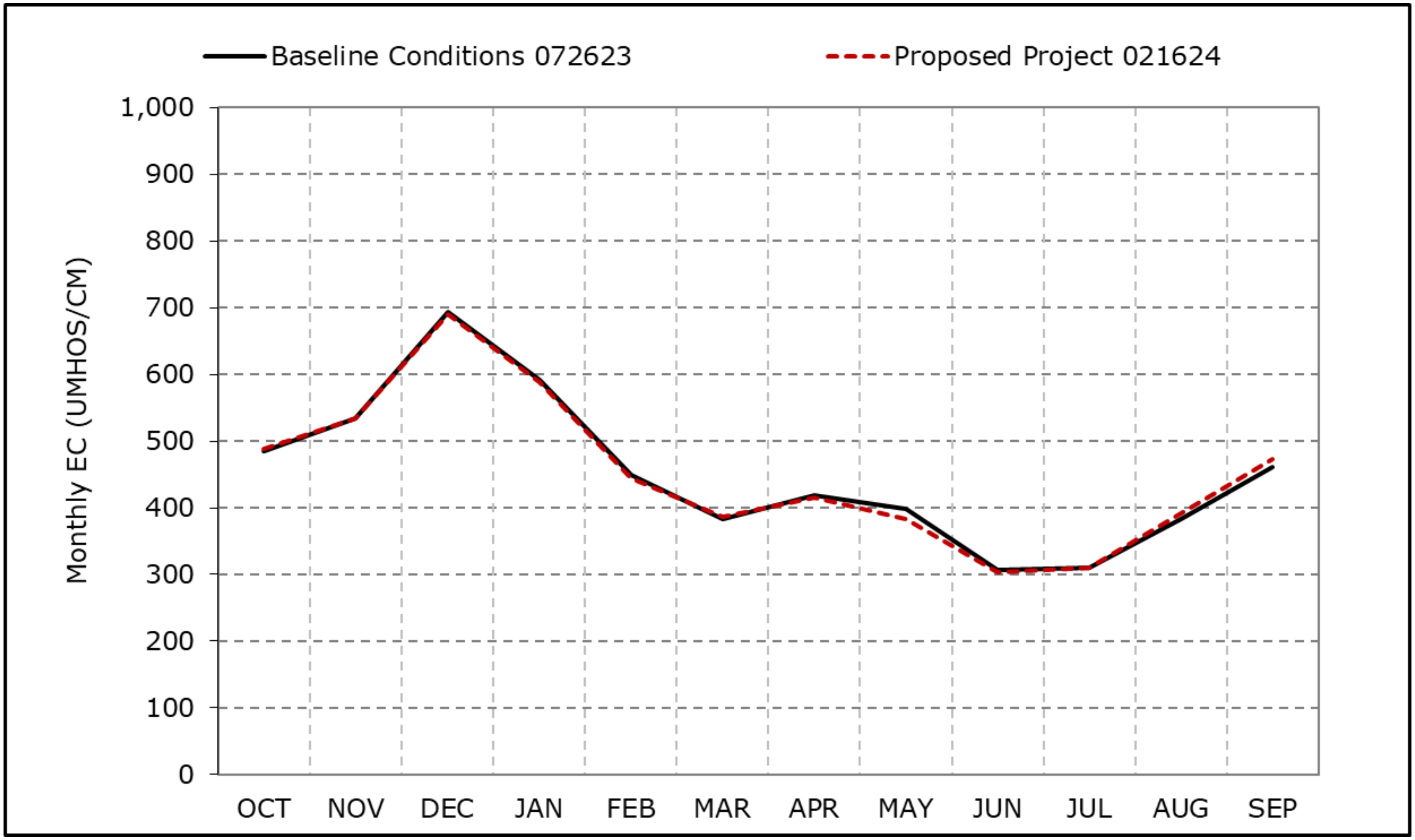
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	715	845	974	893	676	475	539	515	388	444	542	630
20% Exceedance	676	741	925	823	543	430	505	480	341	377	489	613
30% Exceedance	648	648	875	767	495	409	450	449	329	335	456	592
40% Exceedance	619	612	814	722	443	398	439	417	317	320	424	569
50% Exceedance	596	578	754	556	414	383	421	406	310	297	401	546
60% Exceedance	277	371	617	438	380	366	404	374	290	264	334	357
70% Exceedance	269	327	546	389	363	353	379	318	276	250	296	330
80% Exceedance	262	312	453	343	330	328	348	290	264	237	281	315
90% Exceedance	250	289	310	301	295	298	305	248	212	222	257	274
Full Simulation Period Average[a]	489	535	691	588	444	387	416	383	303	311	391	473
Wet Water Years (30%)	463	471	502	398	357	328	317	259	235	231	268	295
Above Normal Years (11%)	496	559	737	554	393	389	424	341	282	251	295	323
Below Normal Years (21%)	438	473	690	630	442	400	463	451	310	300	415	601
Dry Water Years (22%)	472	526	790	719	509	396	462	458	325	371	518	585
Critical Water Years (16%)	622	730	880	732	558	467	471	453	409	432	480	591

Table 4B-6-18-1c. Old River at Highway 4, Proposed Project 021624 minus Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	19	7	-12	-26	-22	-6	2	-15	-7	10	11	-5
20% Exceedance	8	-11	-8	-19	-2	9	-9	-27	-5	3	8	4
30% Exceedance	-3	-12	-12	-28	10	8	-19	-19	-3	-3	7	9
40% Exceedance	-16	-10	-2	-12	6	15	9	-10	-1	-5	-4	11
50% Exceedance	6	0	-10	12	1	14	6	1	0	-8	-7	18
60% Exceedance	7	-1	8	-1	-6	6	5	-2	-2	-1	20	23
70% Exceedance	8	0	1	6	1	6	1	-26	-3	-2	10	20
80% Exceedance	6	1	2	7	0	-2	-12	-18	-1	0	9	16
90% Exceedance	4	6	0	4	-3	-13	20	-14	-1	0	7	22
Full Simulation Period Average[a]	4	0	-3	-5	-5	4	-2	-16	-3	0	7	12
Wet Water Years (30%)	5	6	4	2	0	-3	-2	-25	-3	0	6	15
Above Normal Years (11%)	6	0	-3	11	-20	7	-11	-39	-3	1	14	20
Below Normal Years (21%)	-3	-3	1	-4	3	18	14	11	-6	-5	-6	-11
Dry Water Years (22%)	-3	-8	-9	-10	6	9	-5	-19	0	4	21	27
Critical Water Years (16%)	16	4	-14	-21	-28	-13	-14	-14	-3	2	4	8

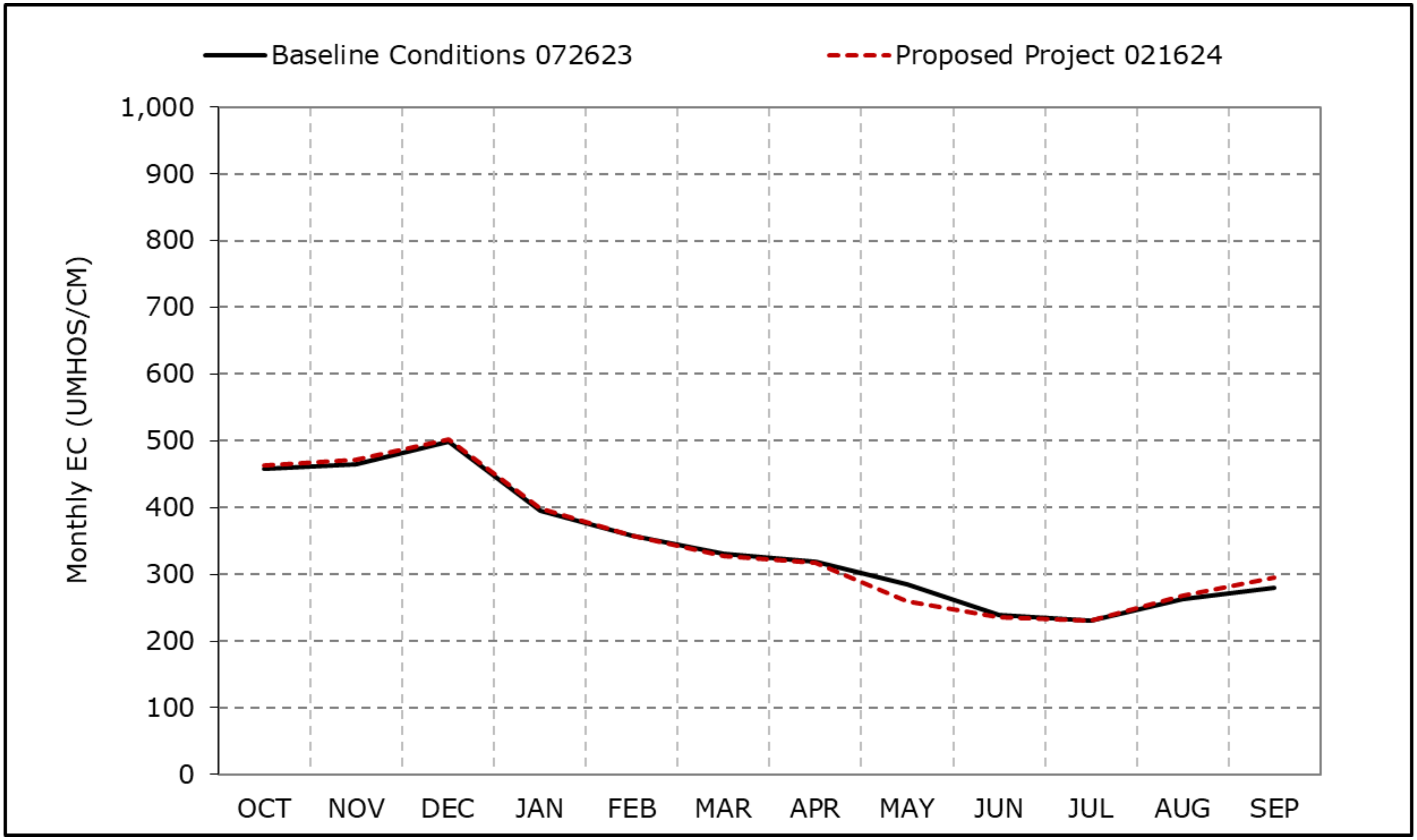
[a] Based on the 100-year simulation period.
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-6-18a. Old River at Highway 4, Long-Term Average EC



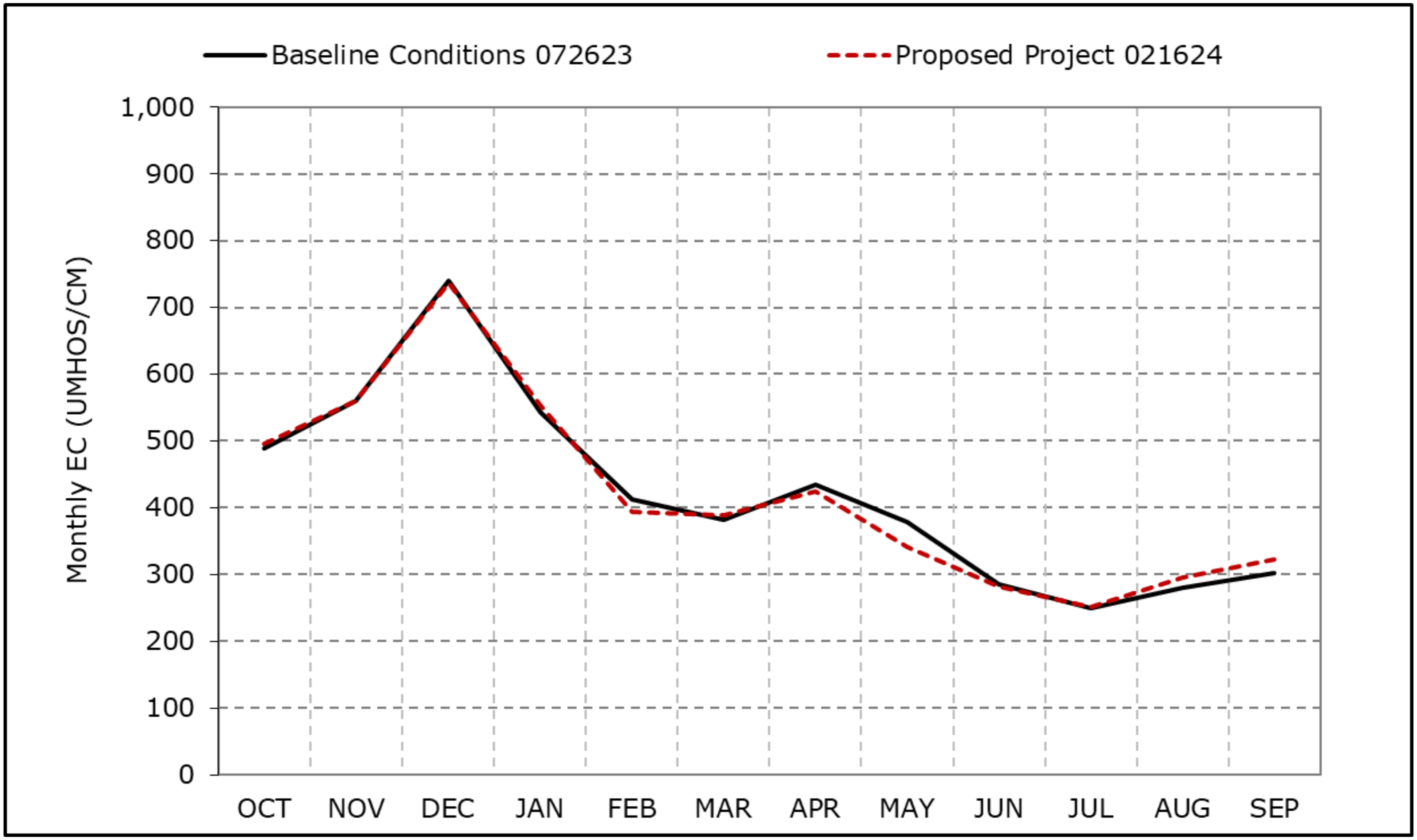
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-18b. Old River at Highway 4, Wet Year Average EC



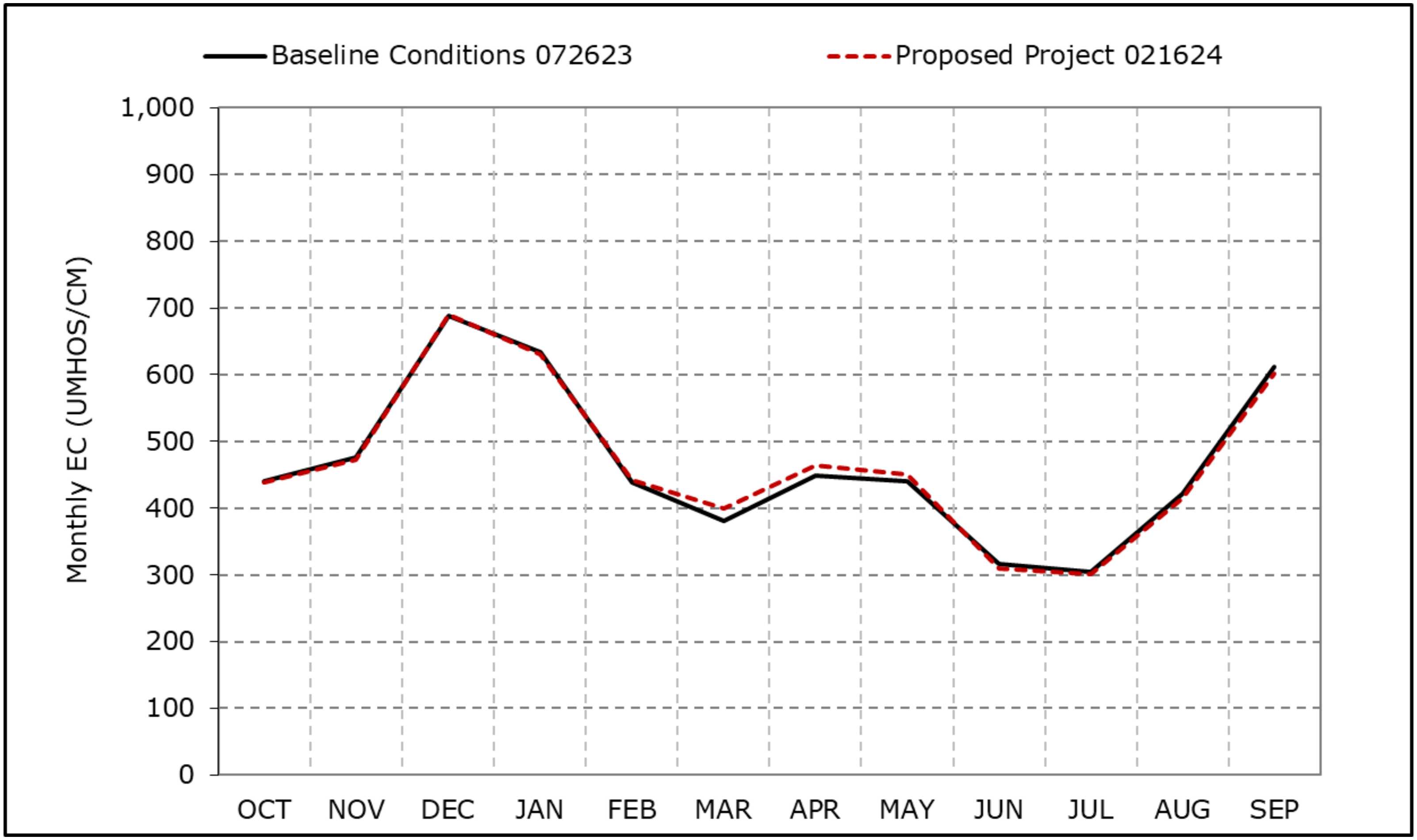
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-18c. Old River at Highway 4, Above Normal Year Average EC



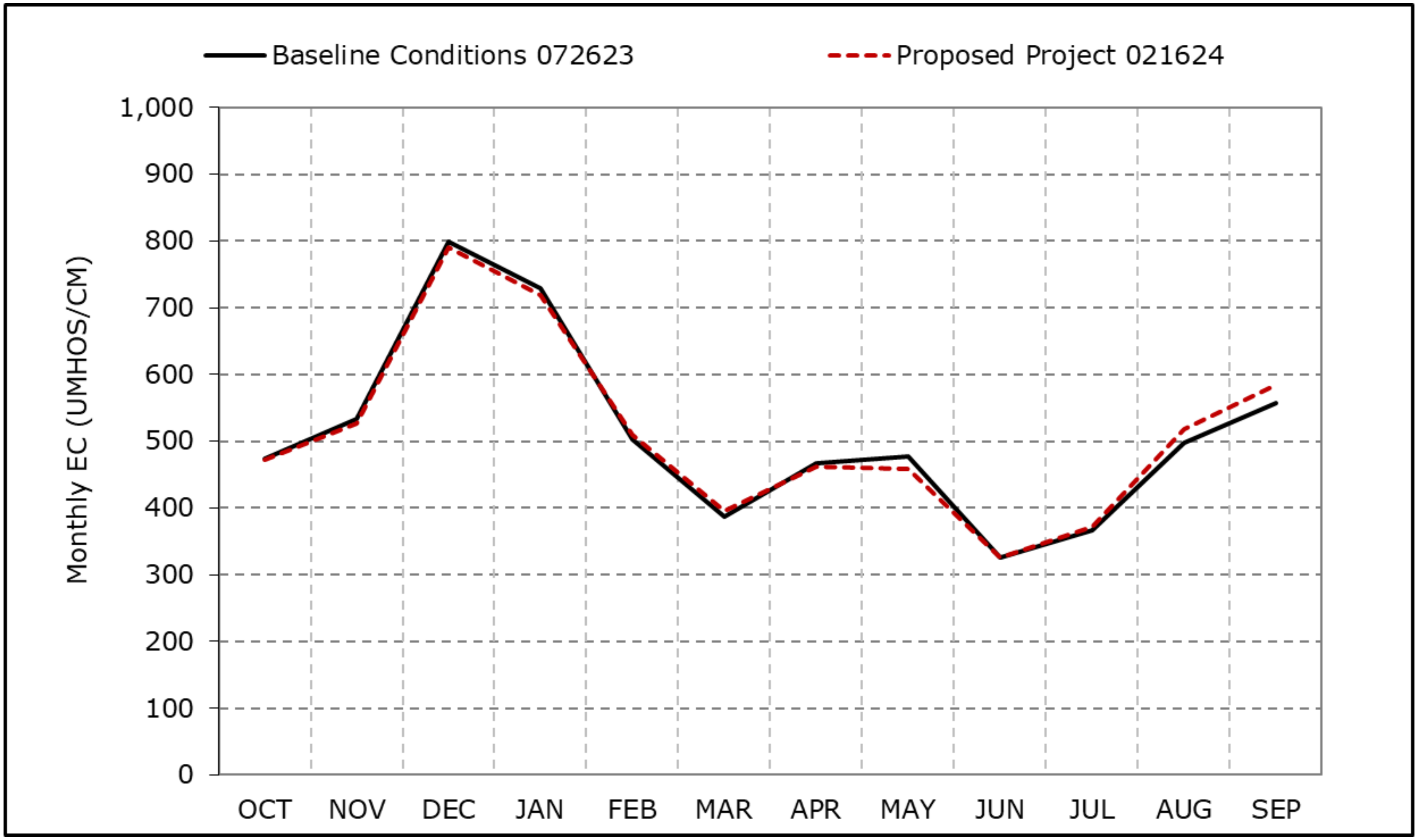
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-18d. Old River at Highway 4, Below Normal Year Average EC



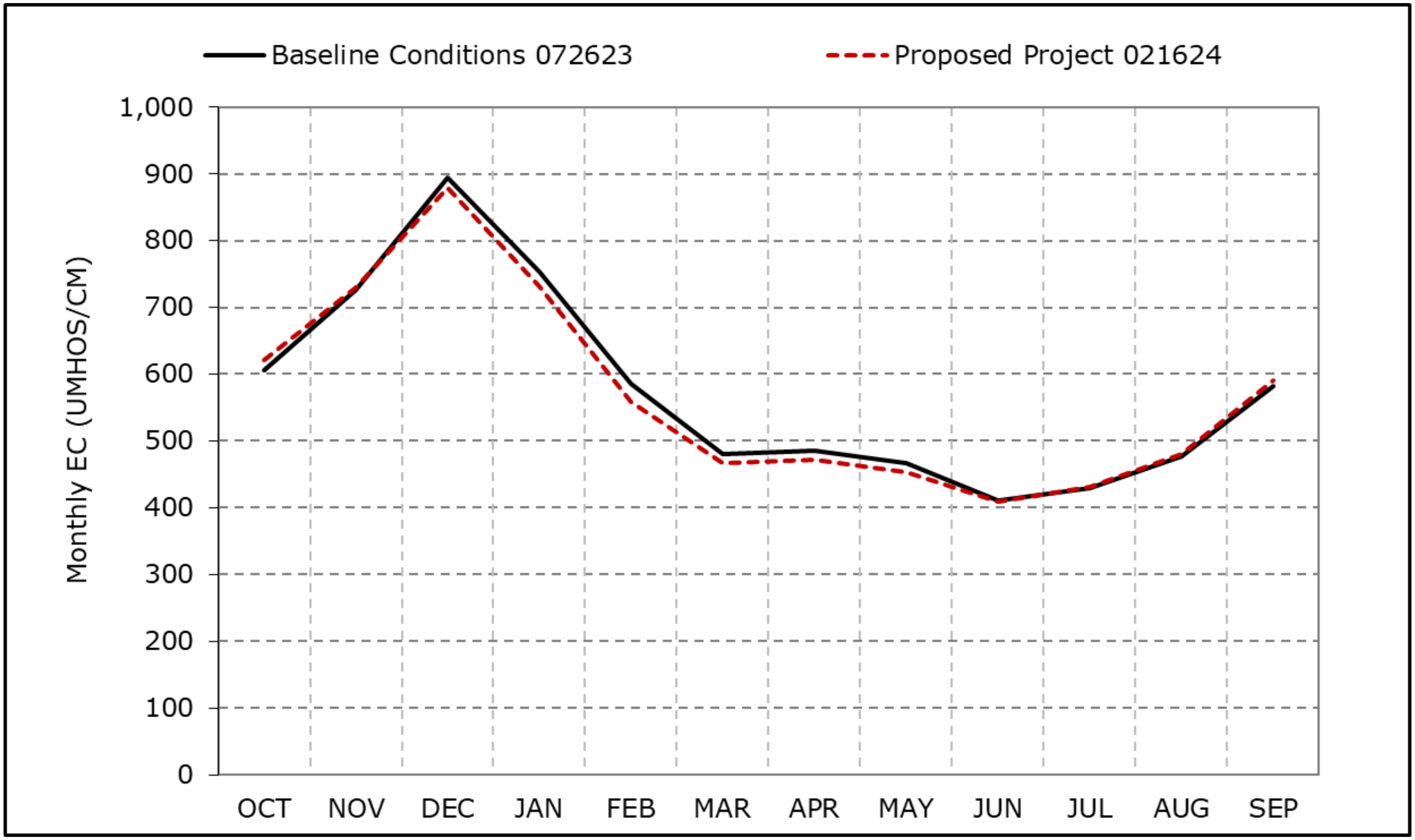
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-18e. Old River at Highway 4, Dry Year Average EC



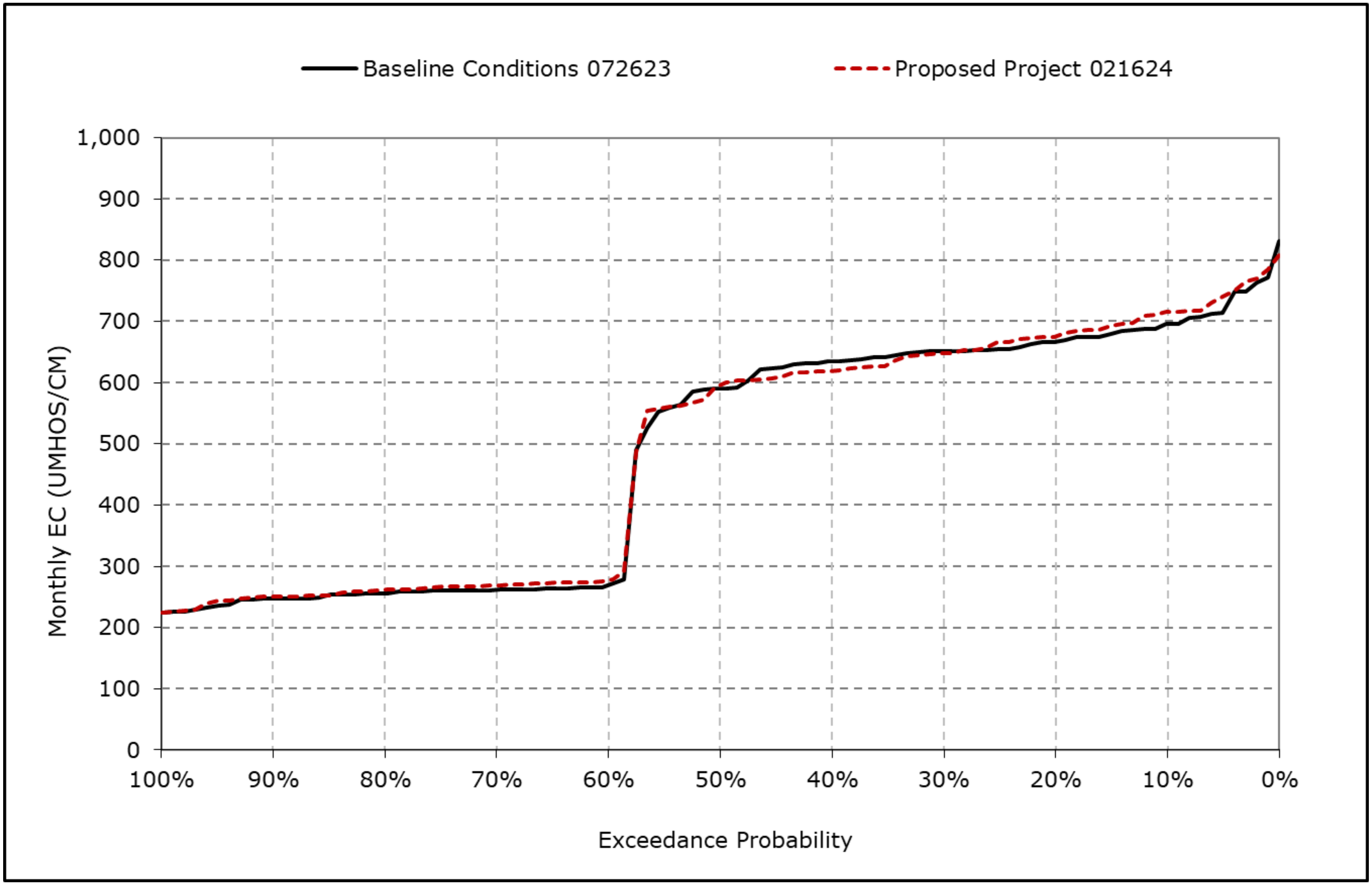
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-18f. Old River at Highway 4, Critical Year Average EC



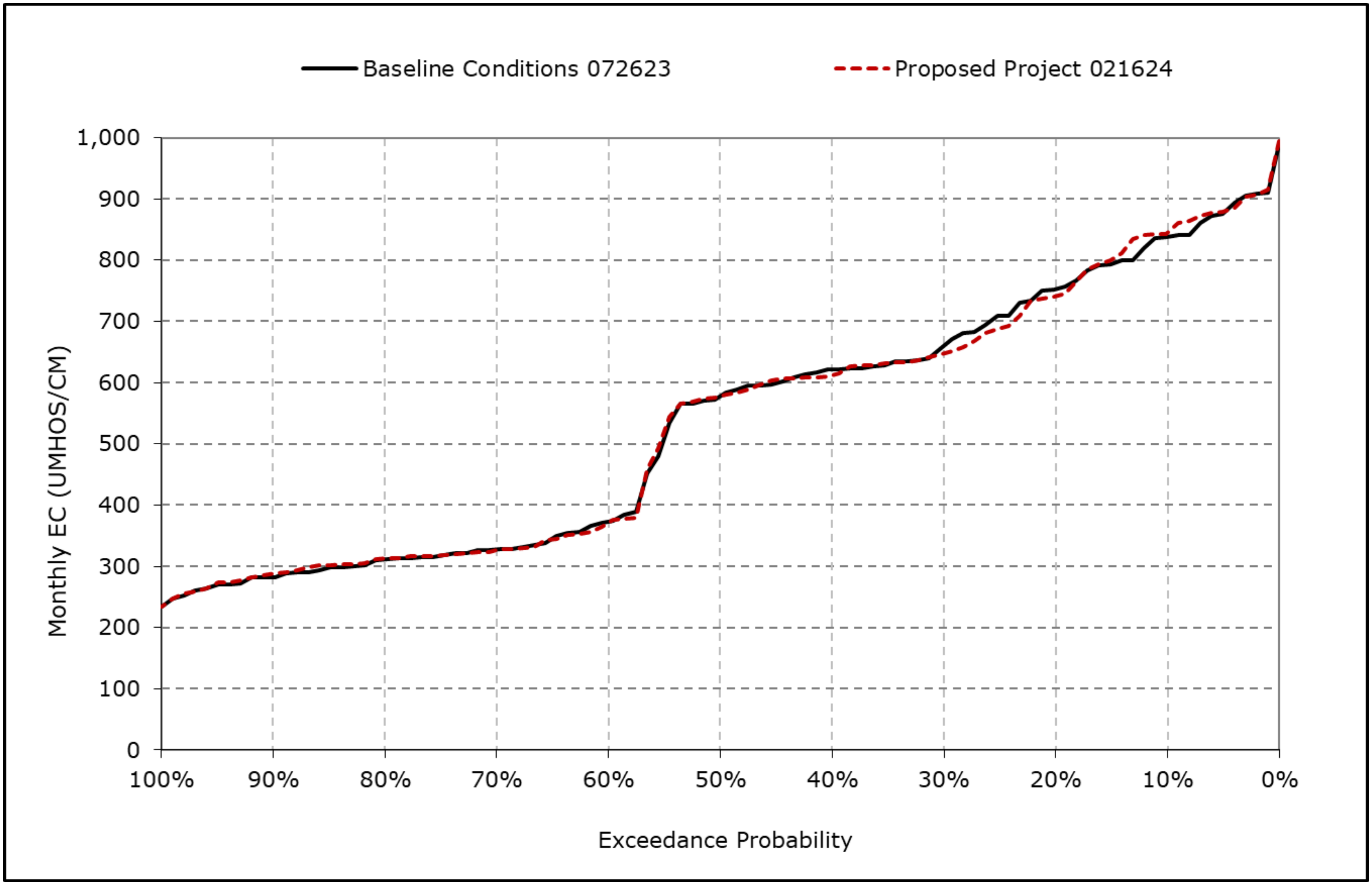
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-18g. Old River at Highway 4, October EC



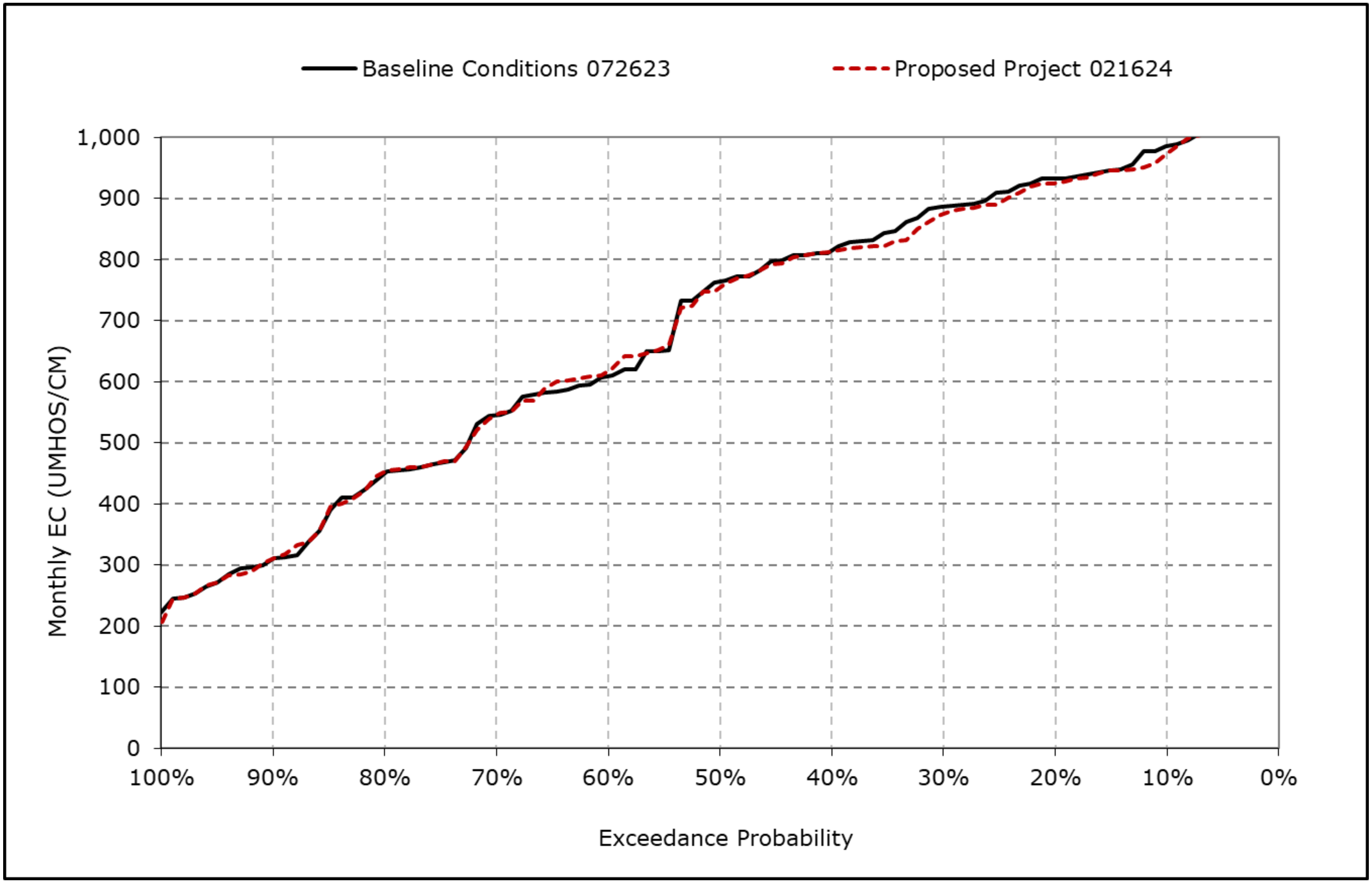
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-18h. Old River at Highway 4, November EC



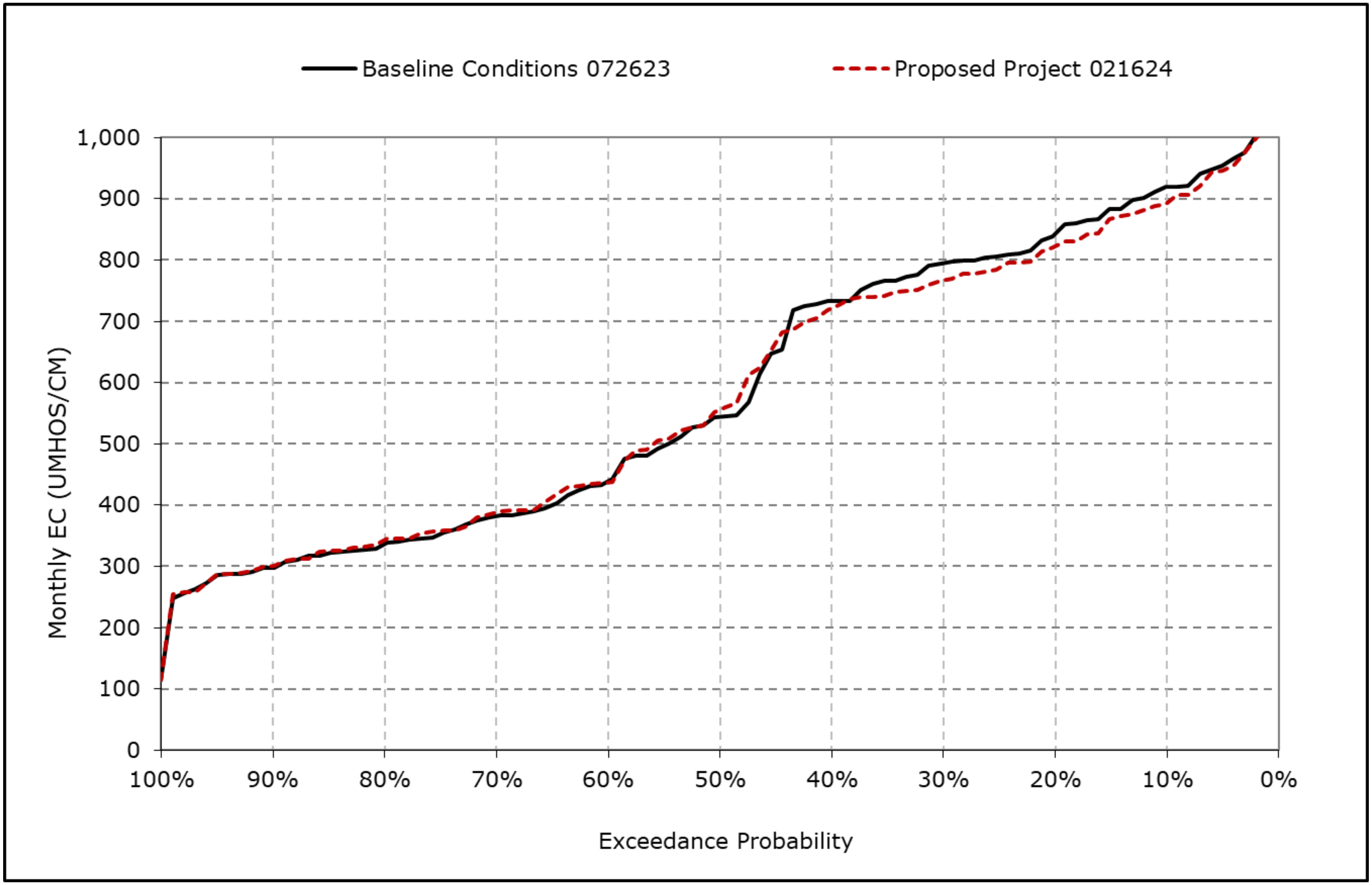
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-18i. Old River at Highway 4, December EC



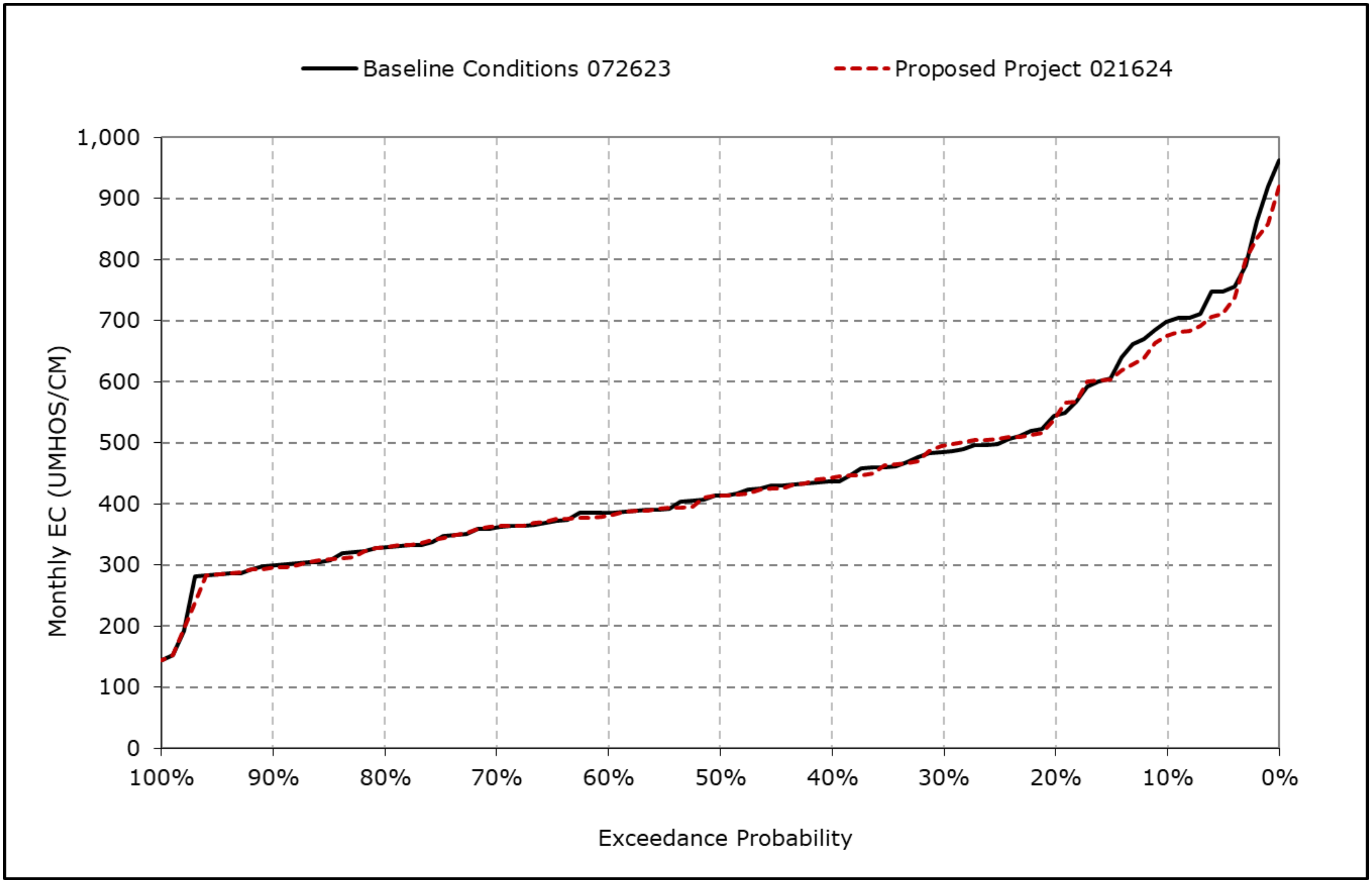
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-18j. Old River at Highway 4, January EC



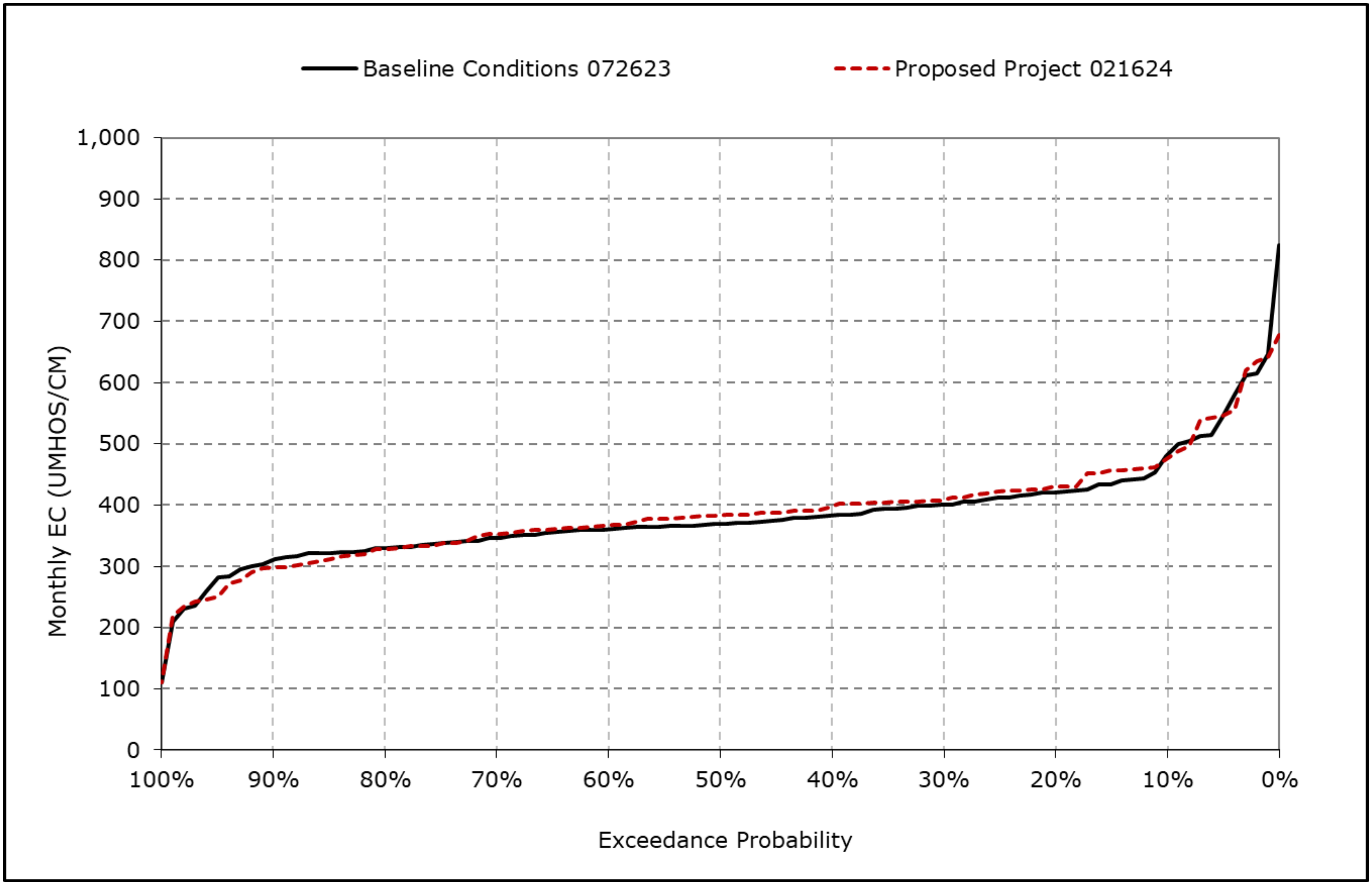
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-18k. Old River at Highway 4, February EC



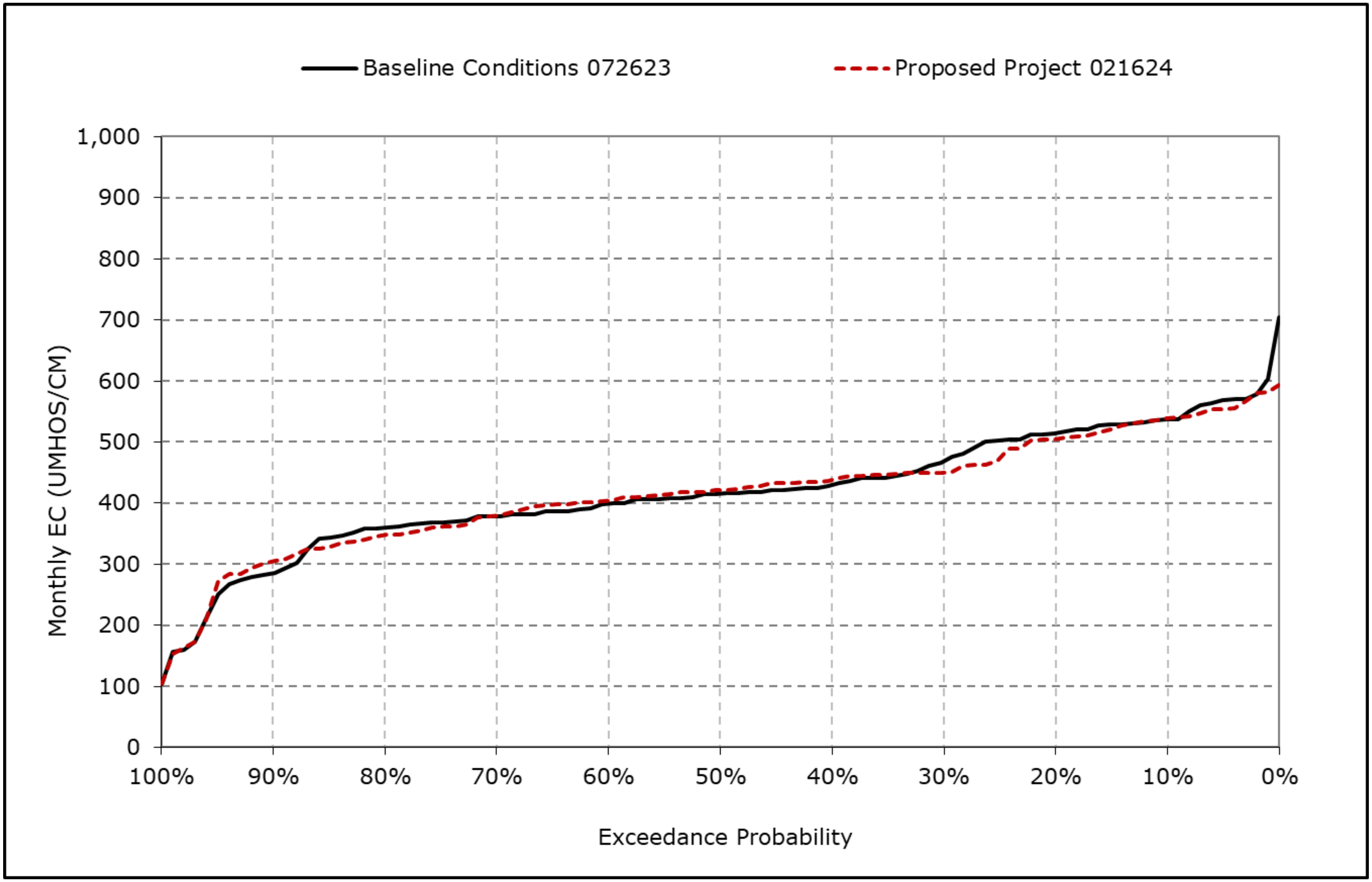
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-18l. Old River at Highway 4, March EC



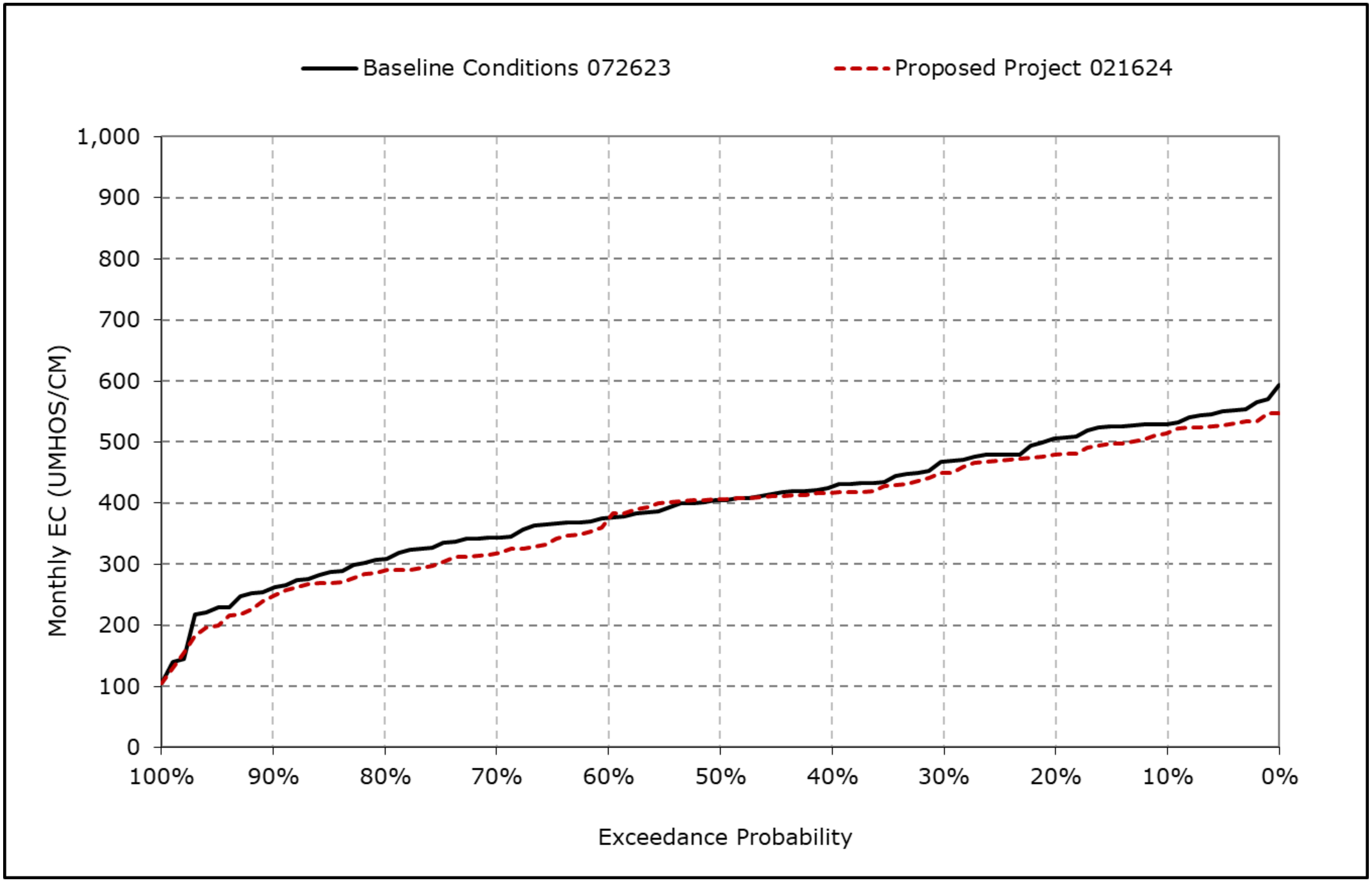
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-18m. Old River at Highway 4, April EC



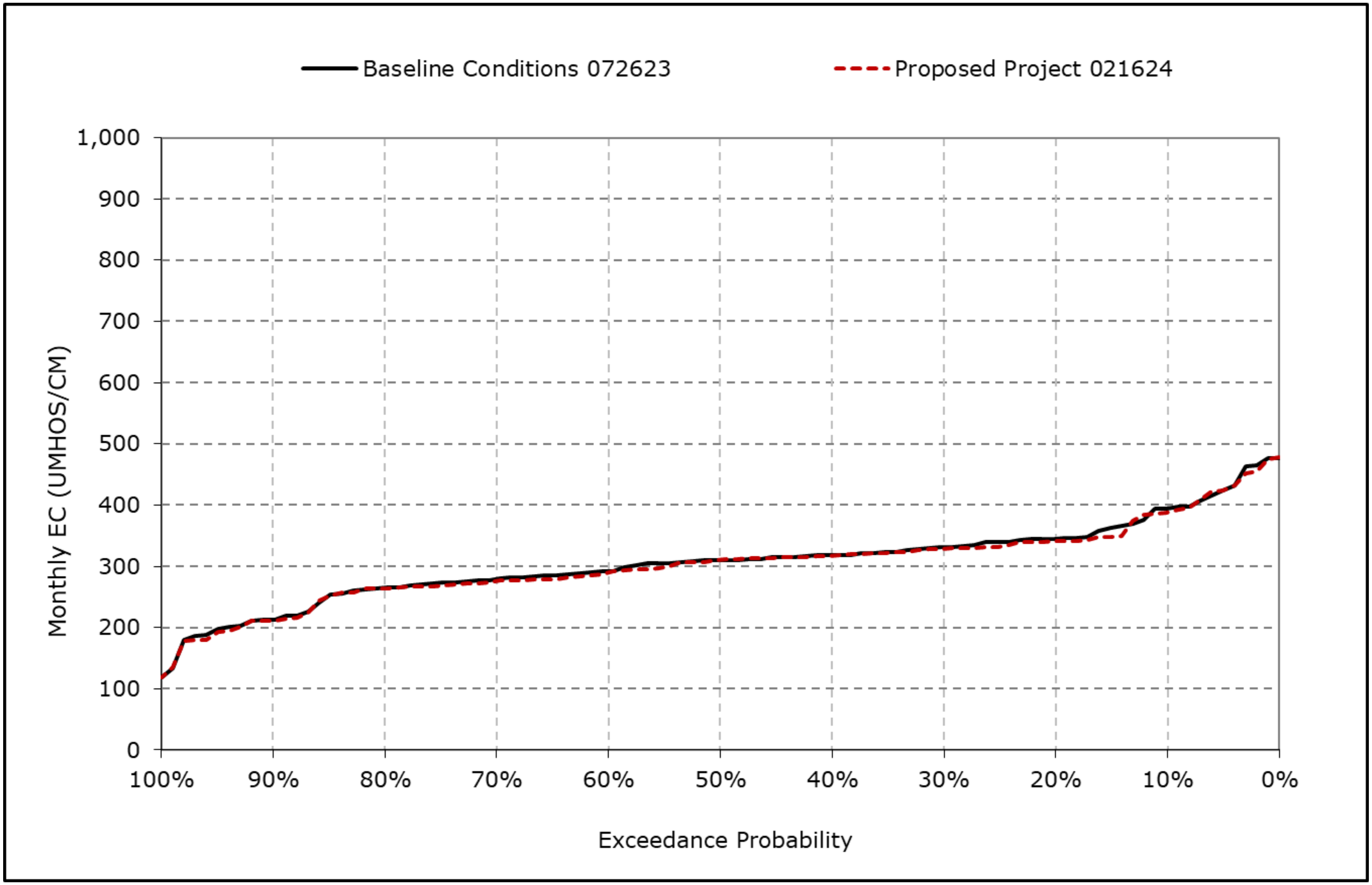
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-18n. Old River at Highway 4, May EC



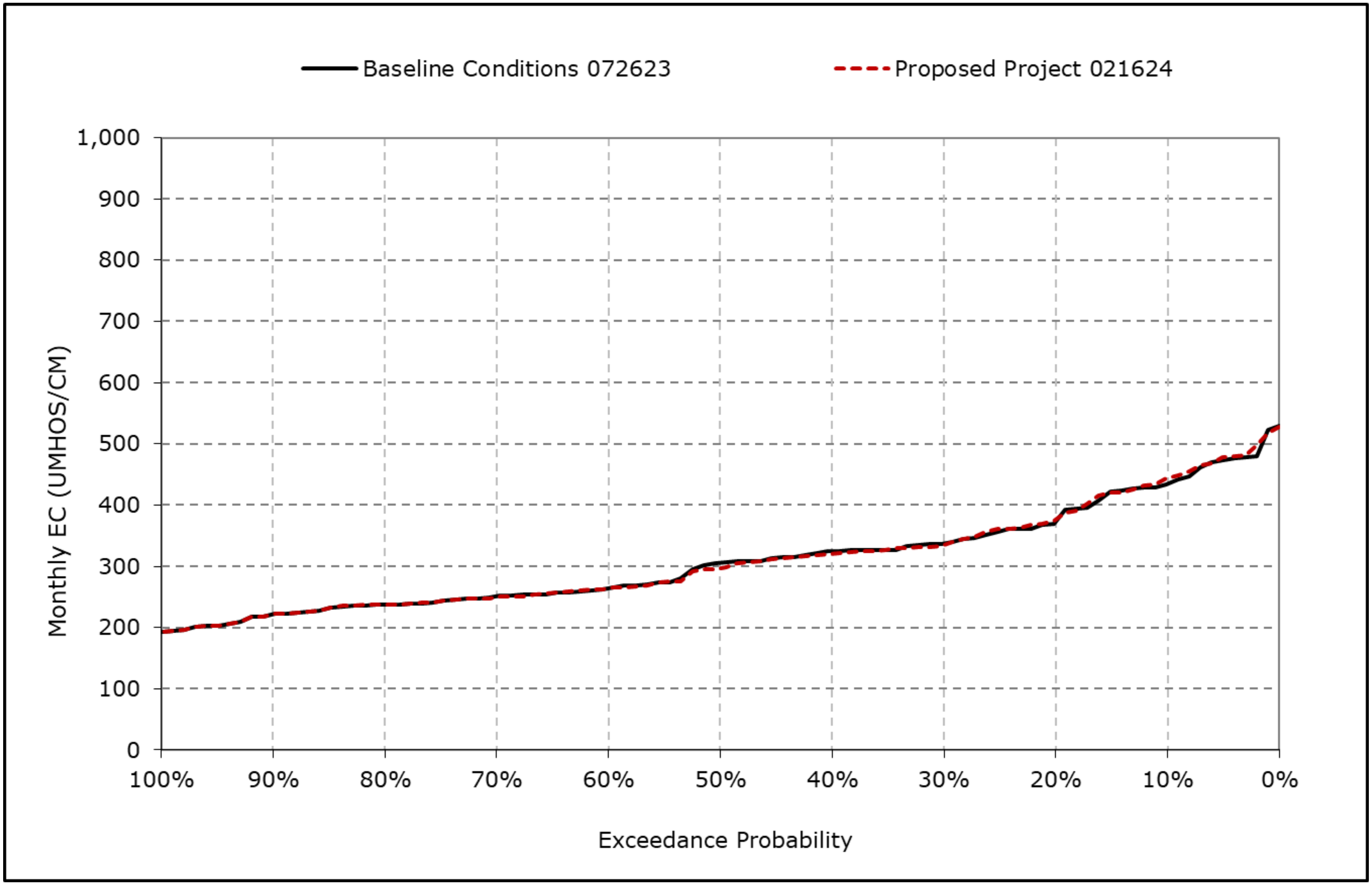
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-18o. Old River at Highway 4, June EC



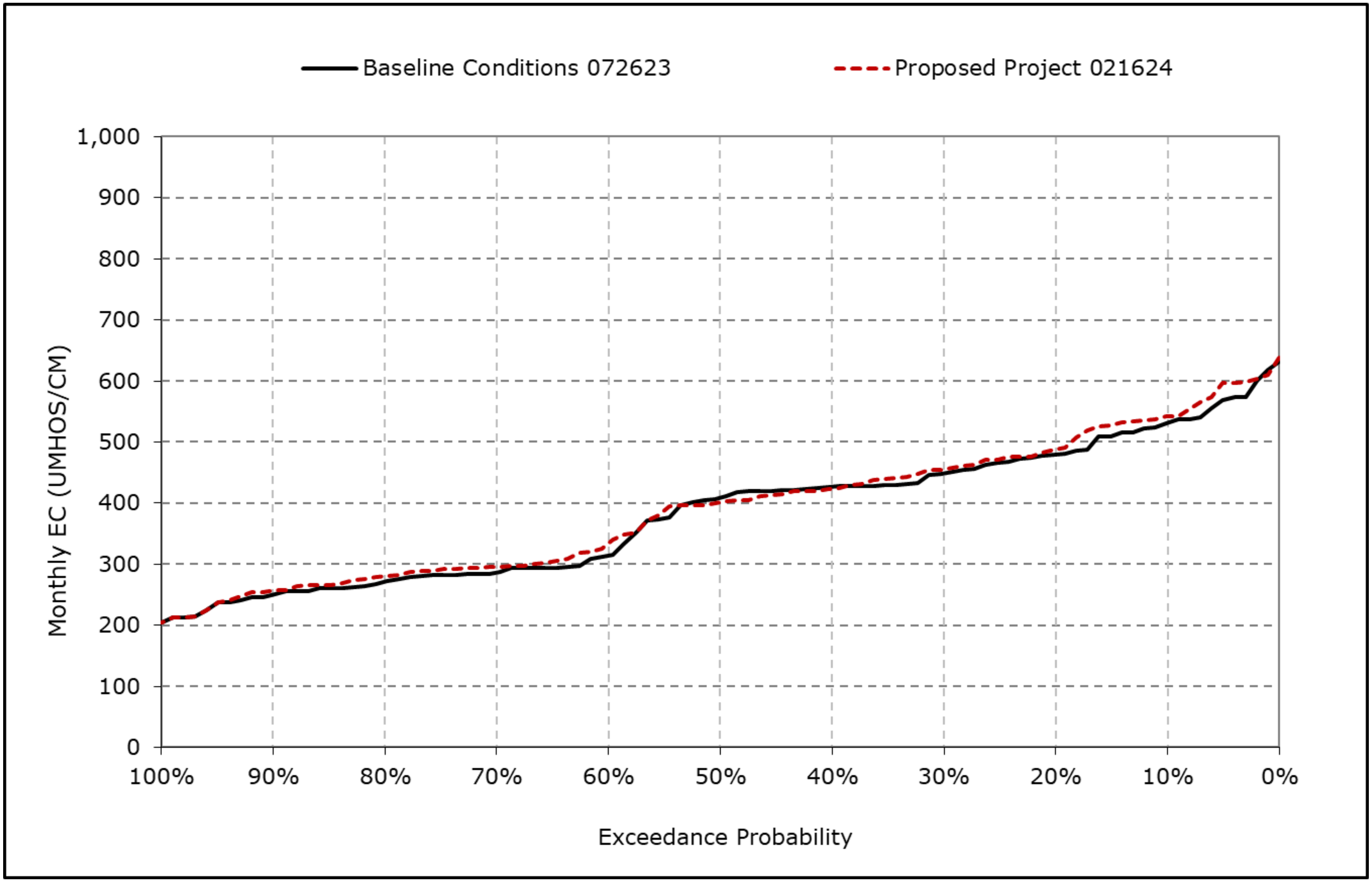
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-18p. Old River at Highway 4, July EC



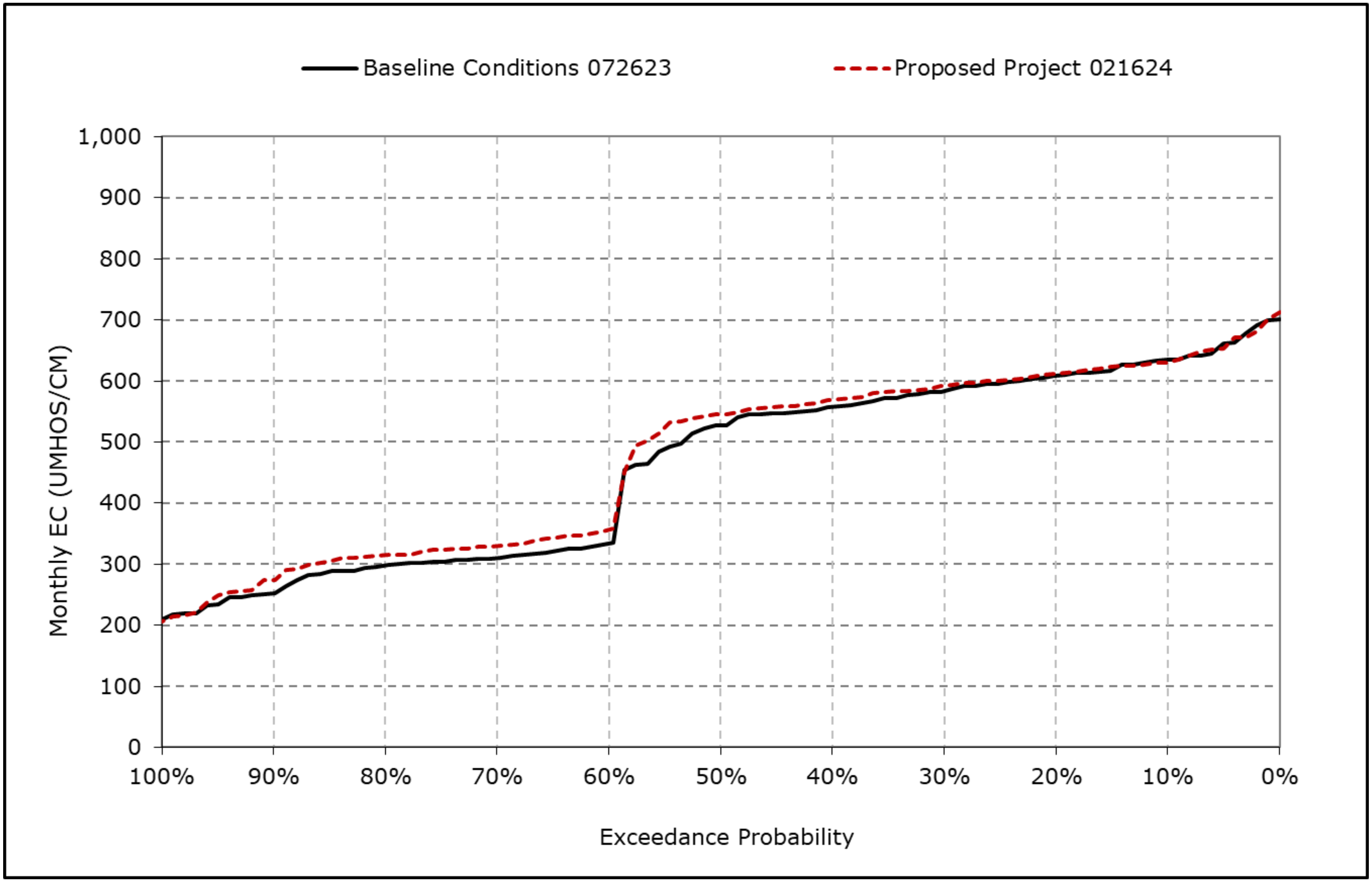
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-18q. Old River at Highway 4, August EC



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

Figure 4B-6-18r. Old River at Highway 4, September EC



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

Table 4B-6-19-1a. Victoria Canal, Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	498	622	738	734	662	569	595	565	406	366	388	417
20% Exceedance	477	542	662	703	620	535	563	529	388	302	361	397
30% Exceedance	452	481	605	680	561	494	542	488	376	289	337	389
40% Exceedance	435	433	576	647	528	482	502	455	362	282	309	376
50% Exceedance	410	411	542	599	502	471	476	439	350	277	297	362
60% Exceedance	324	351	501	489	481	455	447	418	336	272	279	298
70% Exceedance	305	316	458	452	443	435	420	375	326	267	267	275
80% Exceedance	300	306	430	413	410	417	375	335	302	259	259	271
90% Exceedance	294	298	346	373	372	365	292	255	209	242	248	266
Full Simulation Period Average[a]	391	427	541	563	510	468	461	421	335	287	306	342
Wet Water Years (30%)	373	383	451	462	432	389	341	294	260	249	258	271
Above Normal Years (11%)	400	445	586	578	518	498	500	416	330	268	253	275
Below Normal Years (21%)	374	399	512	569	525	493	489	463	355	273	298	376
Dry Water Years (22%)	387	416	566	624	543	481	531	511	364	293	350	381
Critical Water Years (16%)	450	546	682	650	585	542	527	483	412	380	384	423

Table 4B-6-19-1b. Victoria Canal, Proposed Project 021624, Monthly EC (UMHOS/CM)

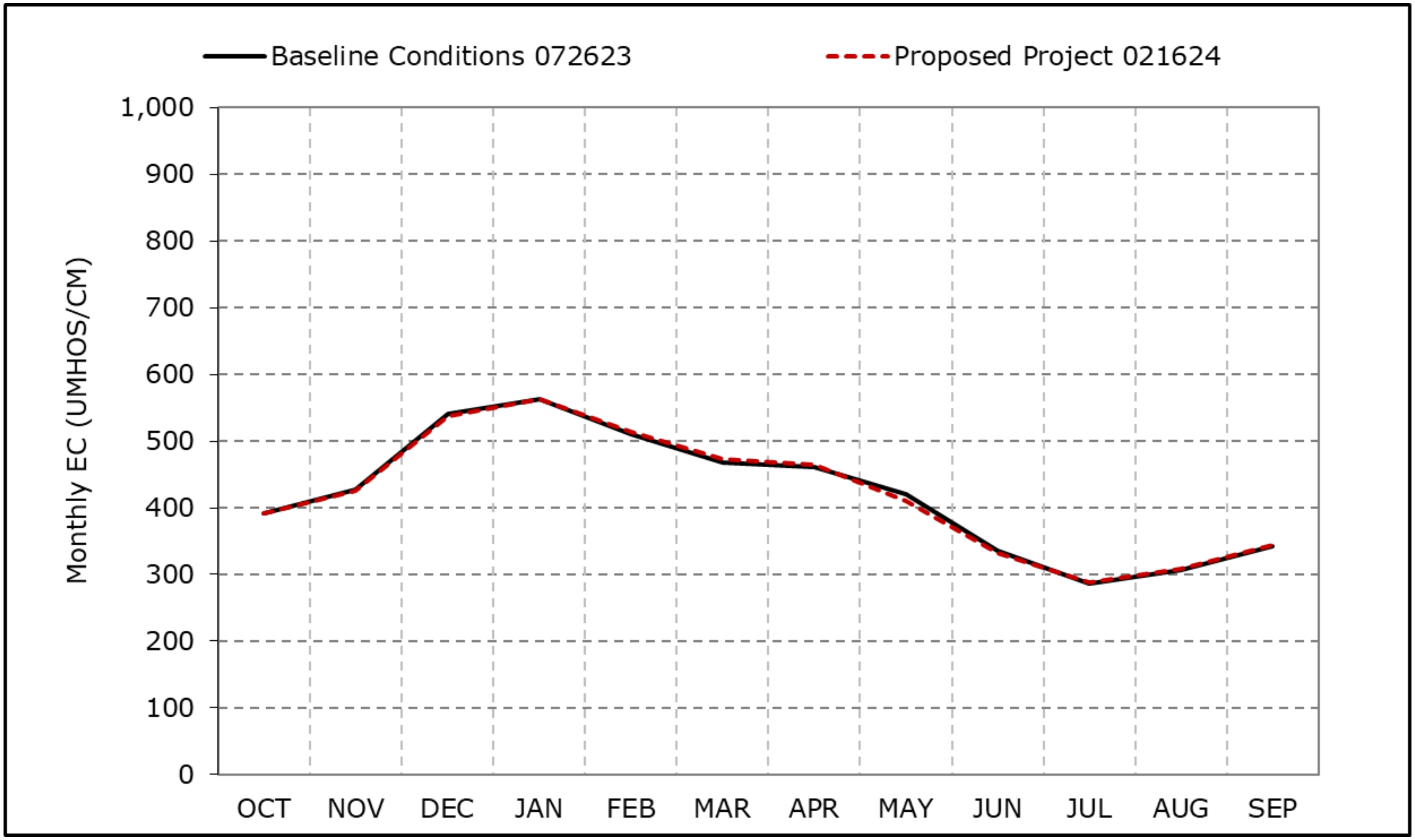
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	504	631	714	736	674	584	596	537	399	371	392	418
20% Exceedance	478	519	657	693	611	547	568	504	381	305	366	406
30% Exceedance	446	461	600	671	565	502	534	478	371	290	340	391
40% Exceedance	427	440	576	647	537	498	509	449	359	281	311	382
50% Exceedance	407	412	546	606	504	485	485	438	350	278	293	367
60% Exceedance	322	351	507	492	485	467	462	415	330	274	275	303
70% Exceedance	306	316	461	459	446	439	410	372	320	267	268	278
80% Exceedance	301	308	433	412	412	417	381	321	302	260	261	273
90% Exceedance	293	297	342	383	372	359	306	249	208	243	249	268
Full Simulation Period Average[a]	392	426	538	563	513	474	465	411	332	288	308	345
Wet Water Years (30%)	374	385	452	464	432	388	339	278	258	250	258	270
Above Normal Years (11%)	401	445	576	584	522	507	492	390	327	268	257	278
Below Normal Years (21%)	370	396	514	570	531	509	520	478	348	273	296	373
Dry Water Years (22%)	384	410	562	619	559	496	532	492	365	295	356	393
Critical Water Years (16%)	456	550	671	645	575	536	517	473	408	382	385	428

Table 4B-6-19-1c. Victoria Canal, Proposed Project 021624 minus Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	5	9	-24	2	12	14	1	-28	-7	5	4	1
20% Exceedance	1	-23	-5	-11	-9	11	5	-24	-7	3	6	9
30% Exceedance	-5	-20	-6	-10	4	8	-8	-10	-5	2	4	2
40% Exceedance	-9	8	-1	0	9	16	7	-6	-3	0	2	6
50% Exceedance	-3	1	4	7	3	13	9	-1	0	0	-4	4
60% Exceedance	-2	0	7	3	4	12	15	-3	-6	2	-4	4
70% Exceedance	1	-1	3	7	3	4	-10	-4	-7	0	1	3
80% Exceedance	1	2	3	-1	3	-1	6	-14	1	1	2	1
90% Exceedance	-1	-1	-4	9	1	-6	14	-6	-1	1	1	2
Full Simulation Period Average[a]	0	-1	-3	0	3	6	3	-10	-3	1	2	3
Wet Water Years (30%)	1	2	1	2	0	-1	-3	-16	-3	0	0	0
Above Normal Years (11%)	2	-1	-10	6	4	9	-8	-25	-3	0	4	4
Below Normal Years (21%)	-3	-3	1	1	6	16	30	15	-6	0	-2	-4
Dry Water Years (22%)	-2	-6	-5	-5	15	14	1	-19	1	2	6	12
Critical Water Years (16%)	6	3	-11	-5	-10	-6	-9	-10	-4	1	1	4

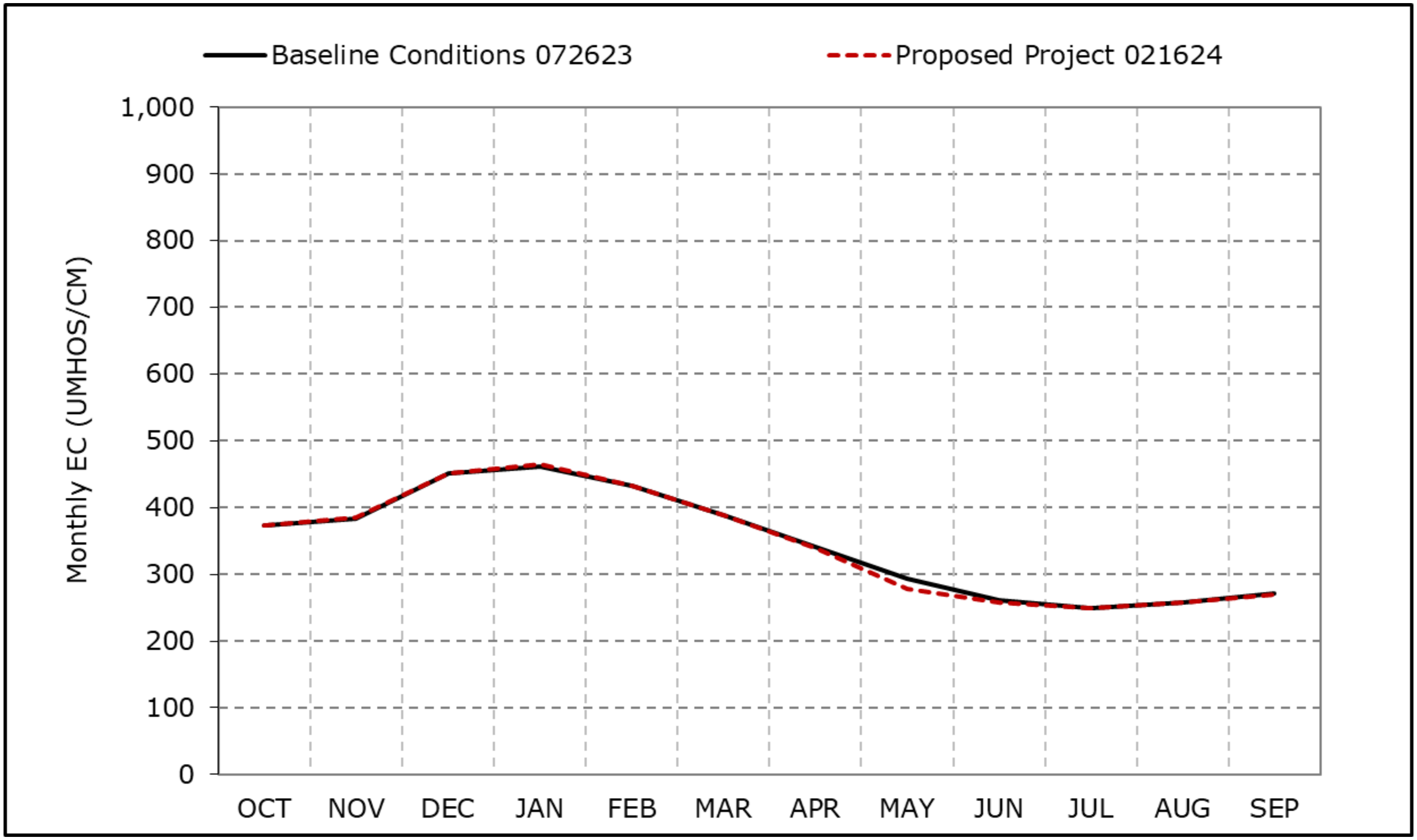
[a] Based on the 100-year simulation period.
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-6-19a. Victoria Canal, Long-Term Average EC



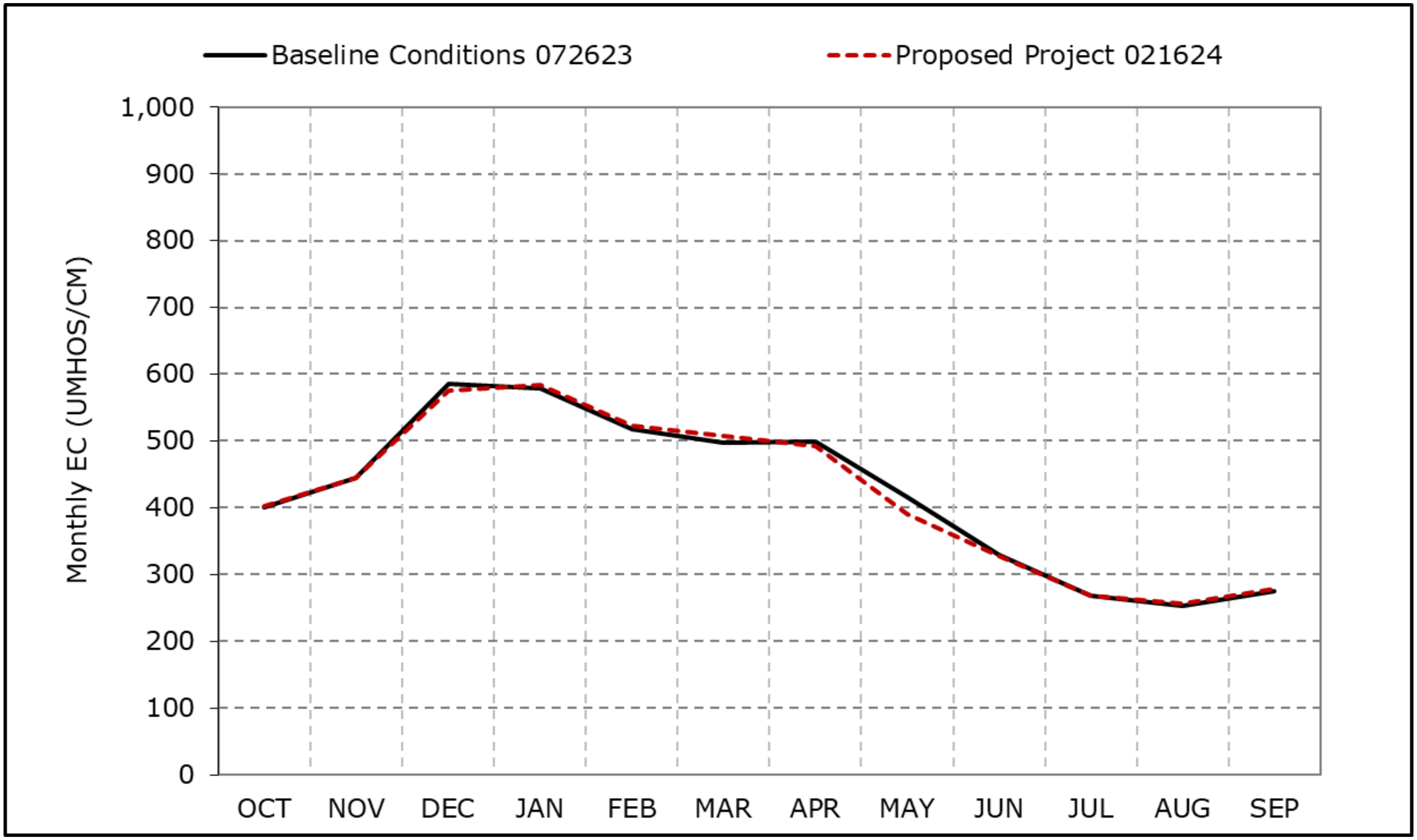
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-19b. Victoria Canal, Wet Year Average EC



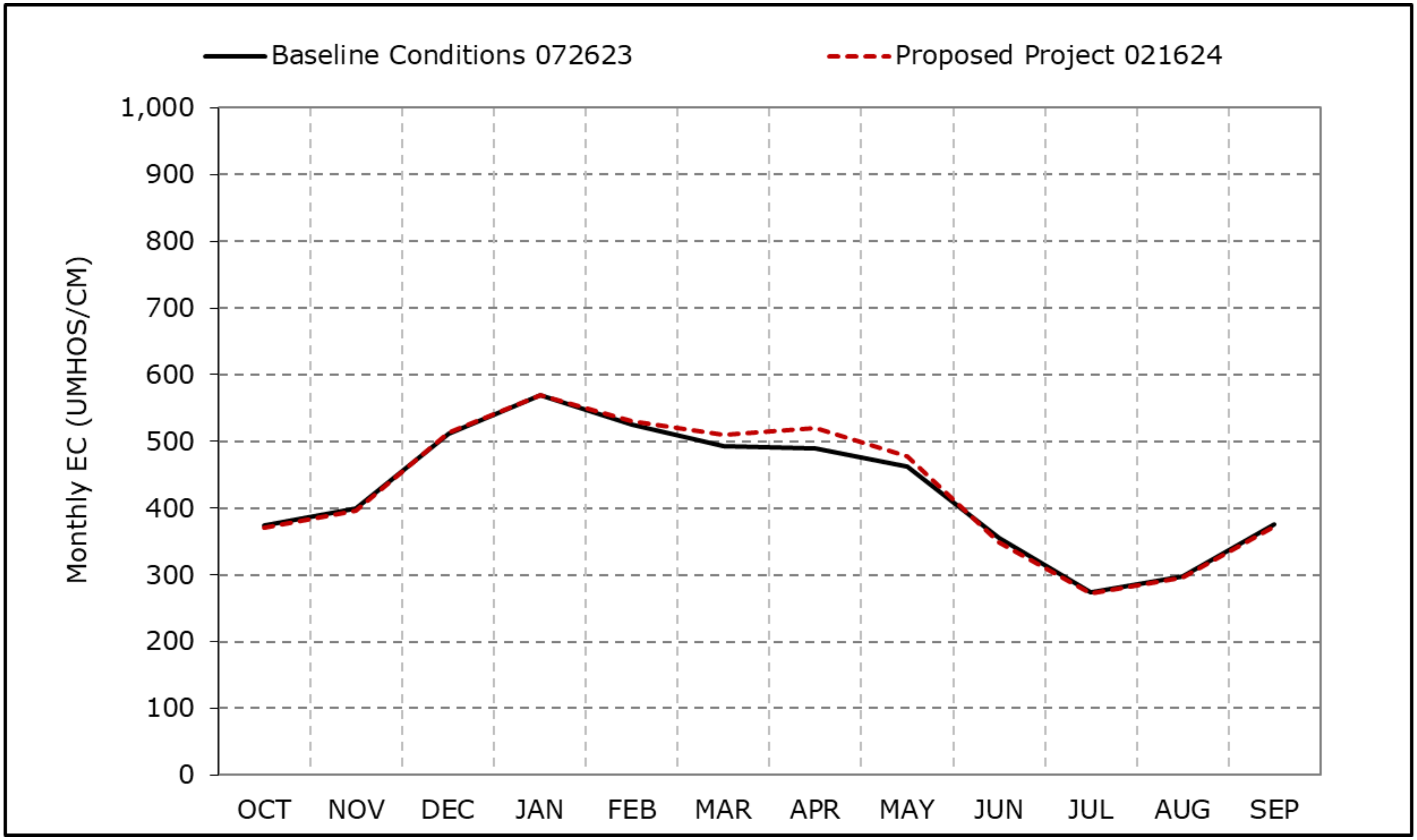
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-19c. Victoria Canal, Above Normal Year Average EC



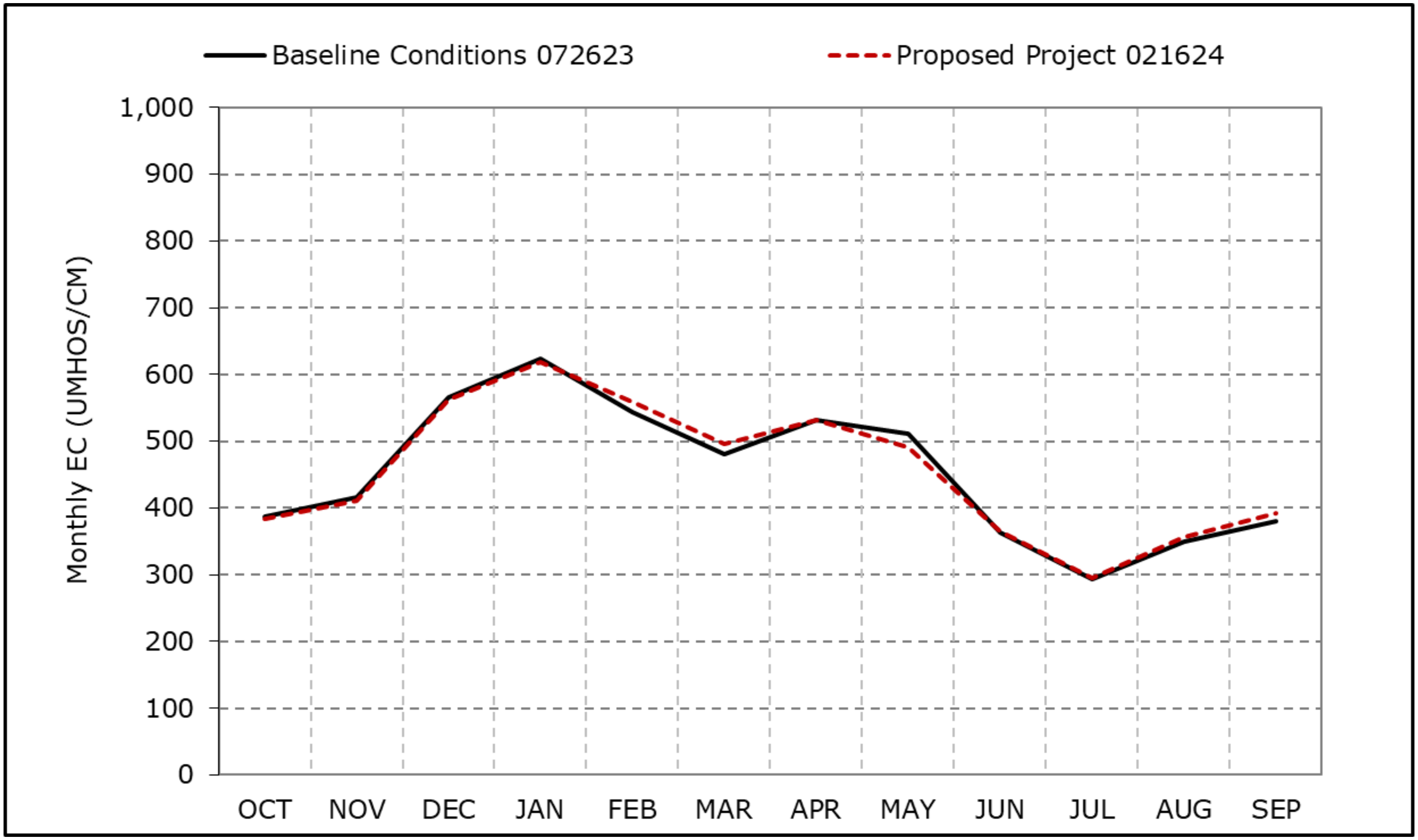
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-19d. Victoria Canal, Below Normal Year Average EC



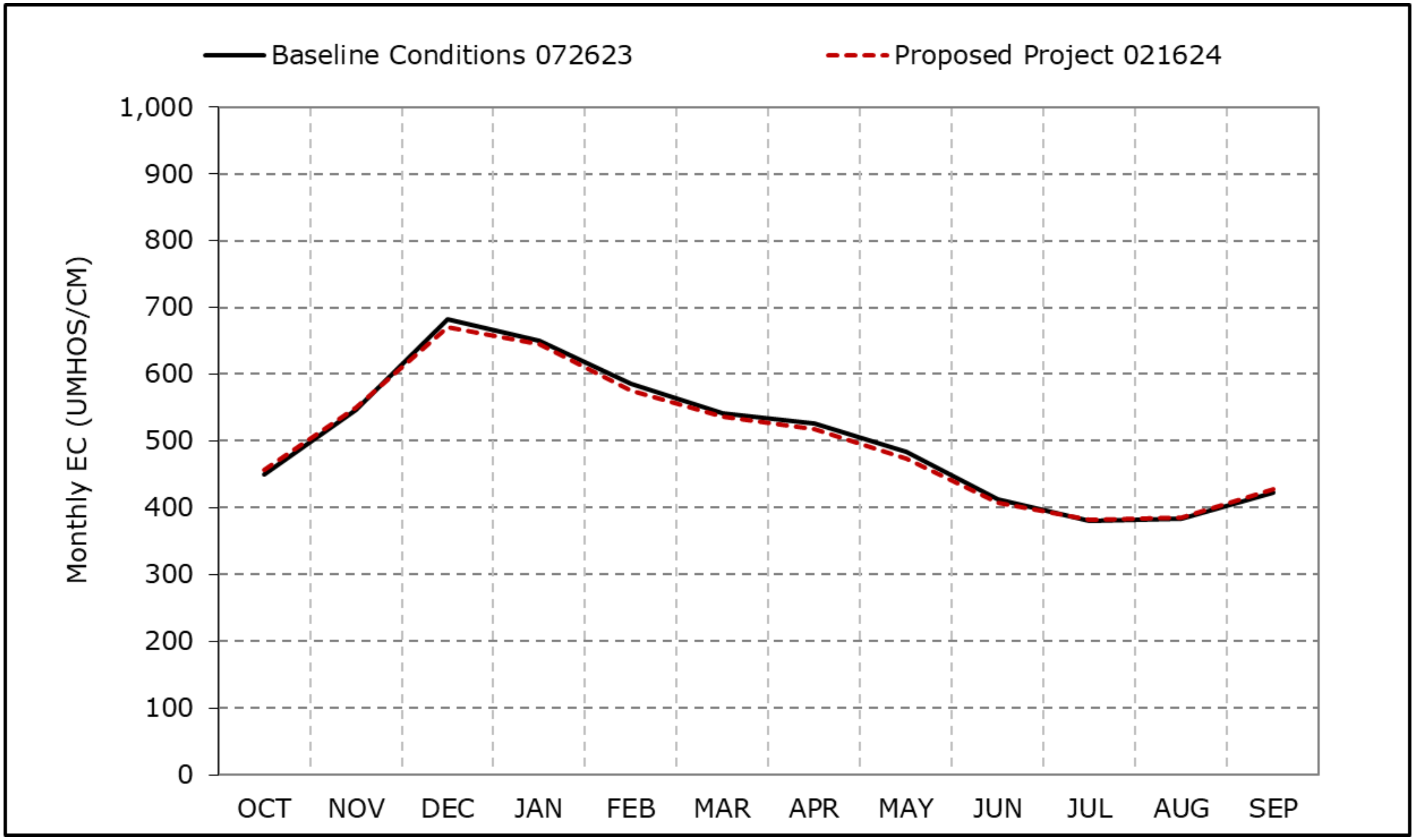
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-19e. Victoria Canal, Dry Year Average EC



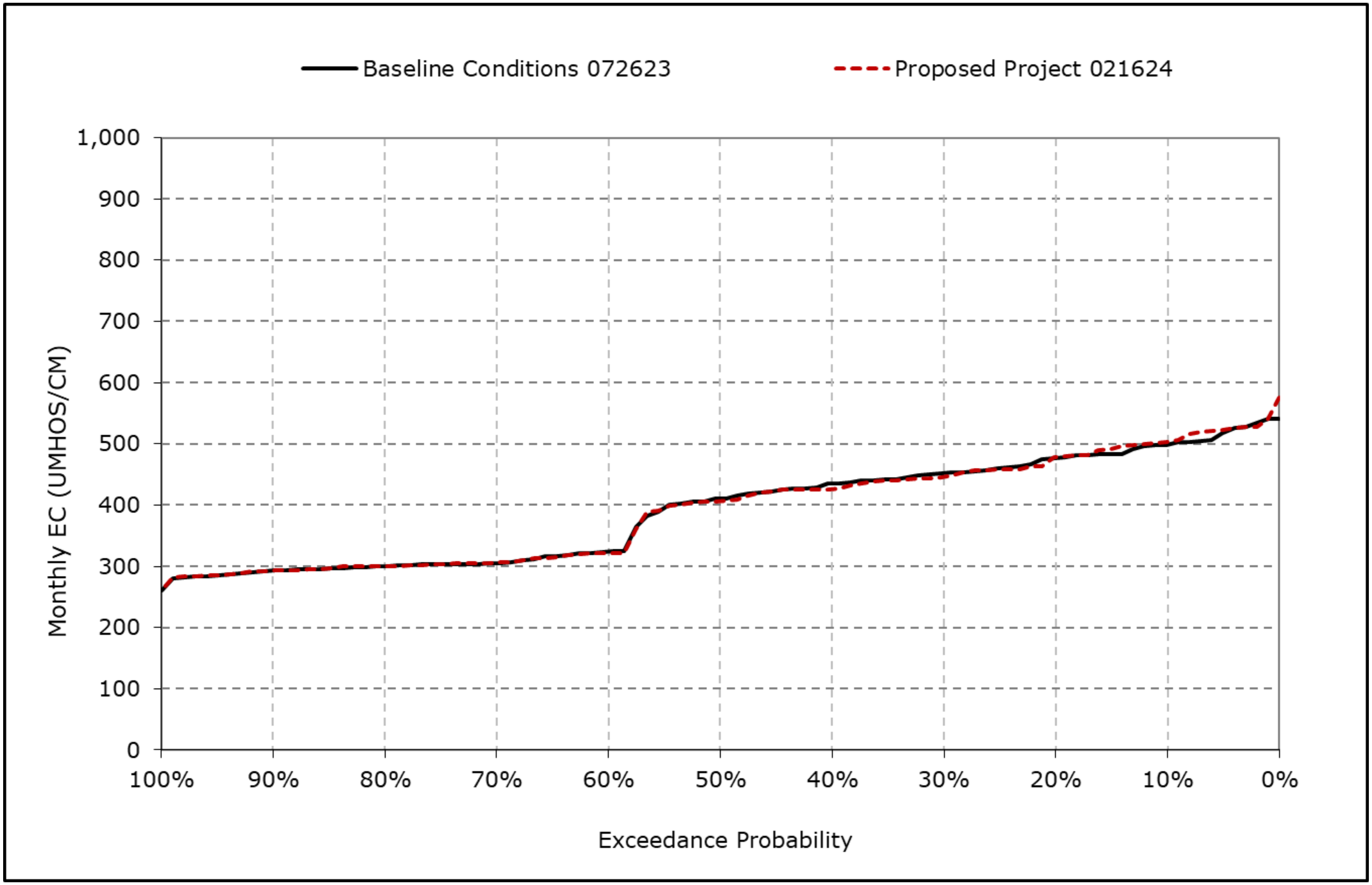
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-19f. Victoria Canal, Critical Year Average EC



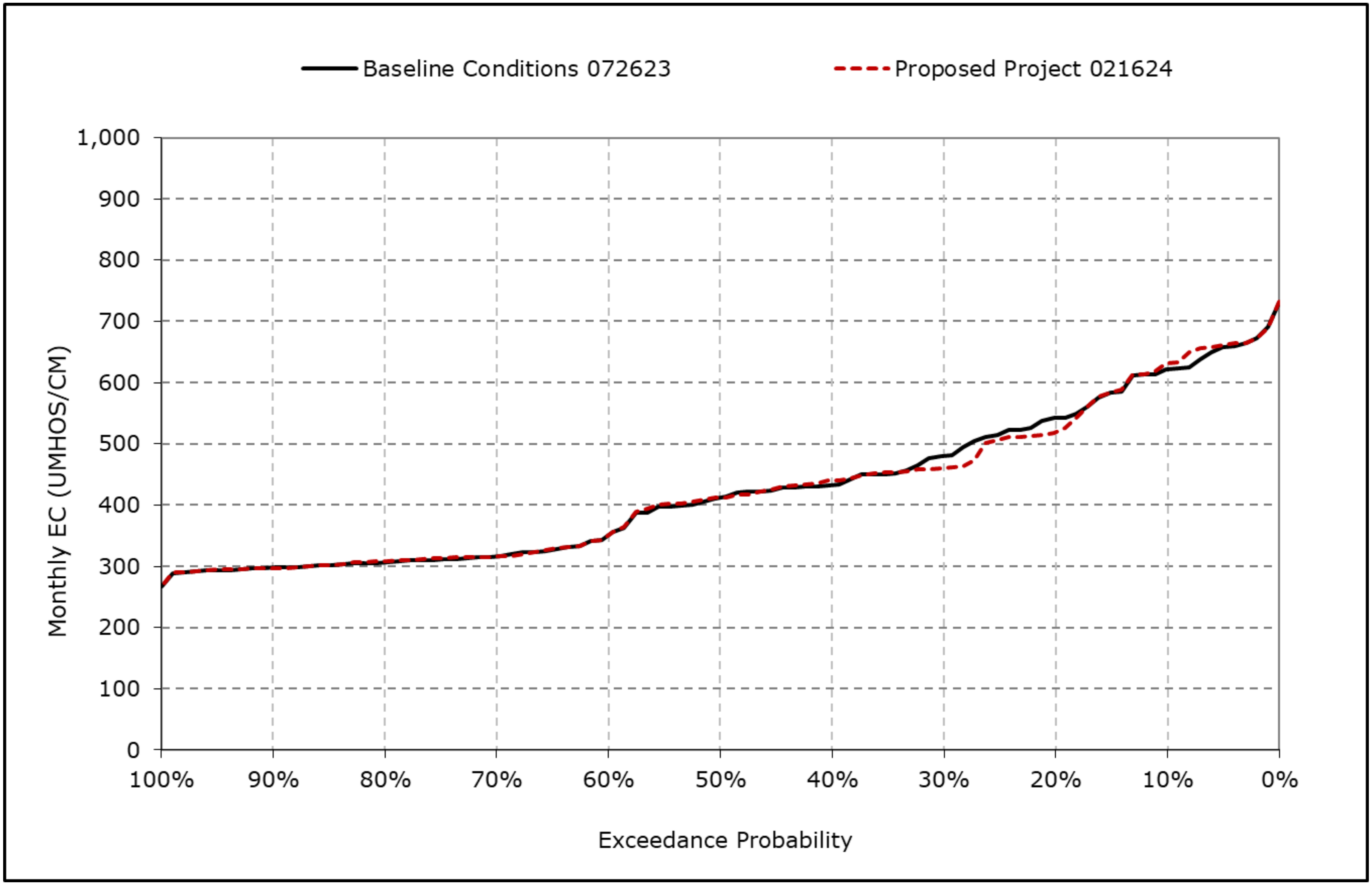
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-19g. Victoria Canal, October EC



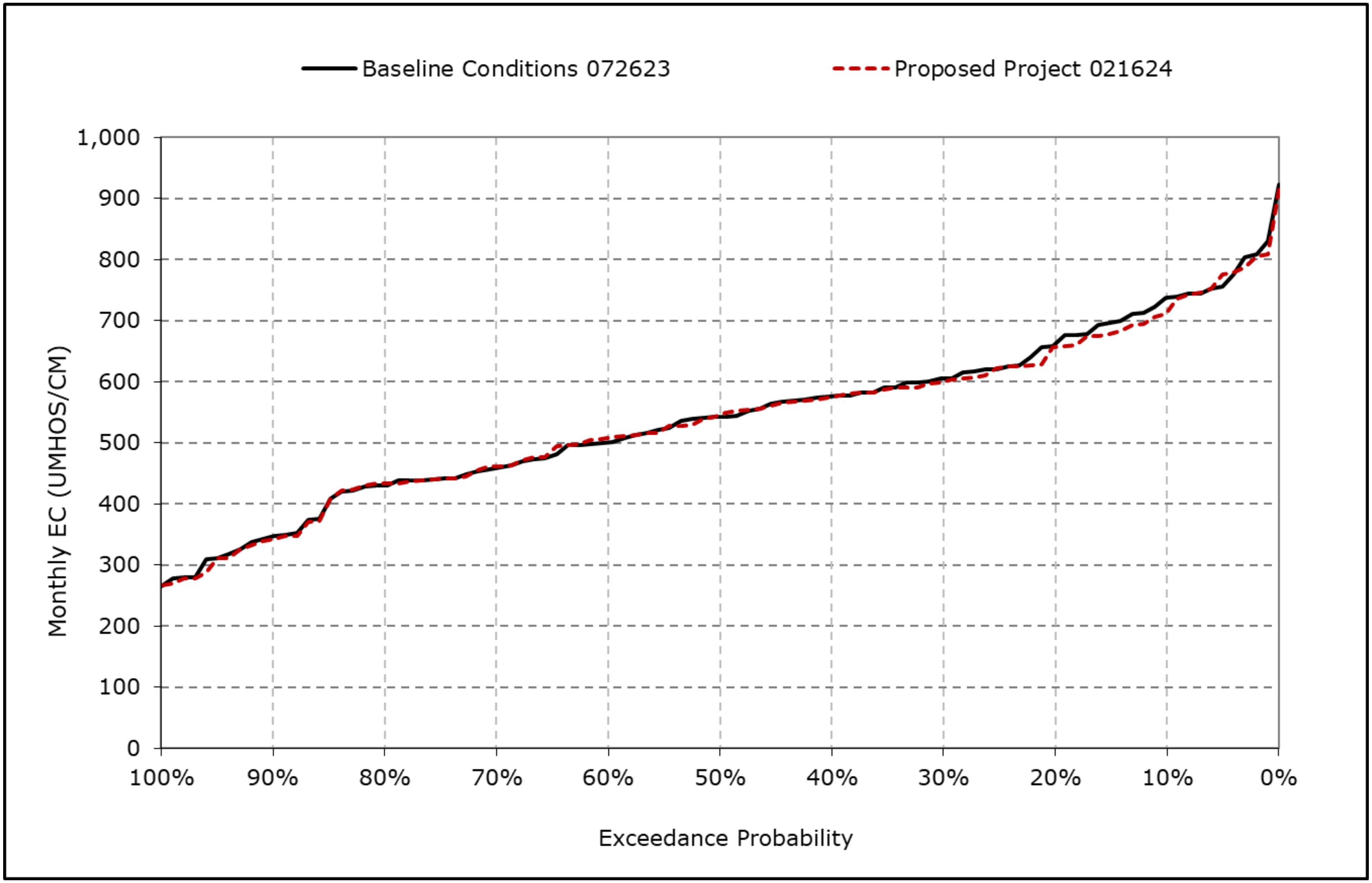
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-19h. Victoria Canal, November EC



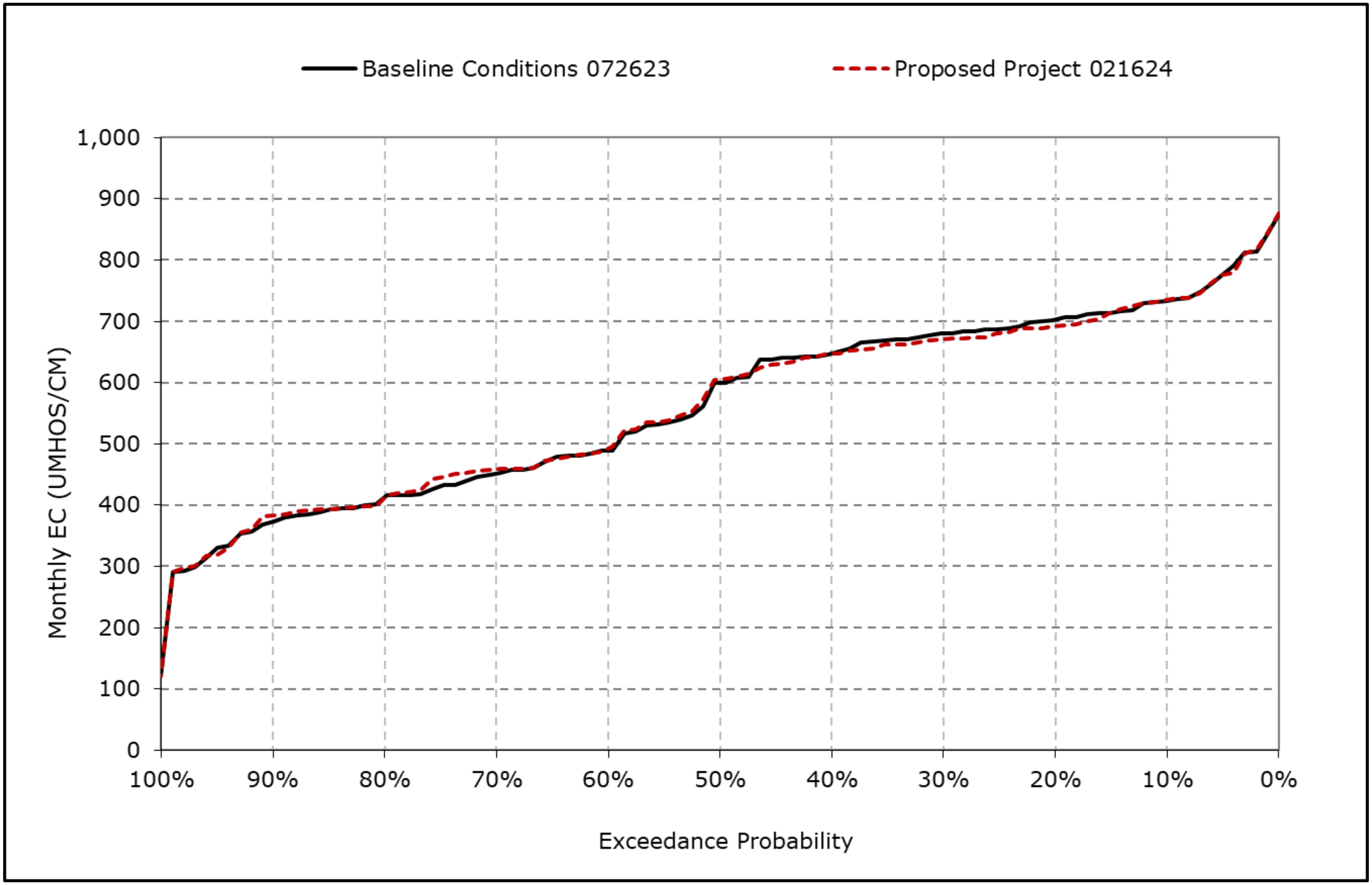
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-19i. Victoria Canal, December EC



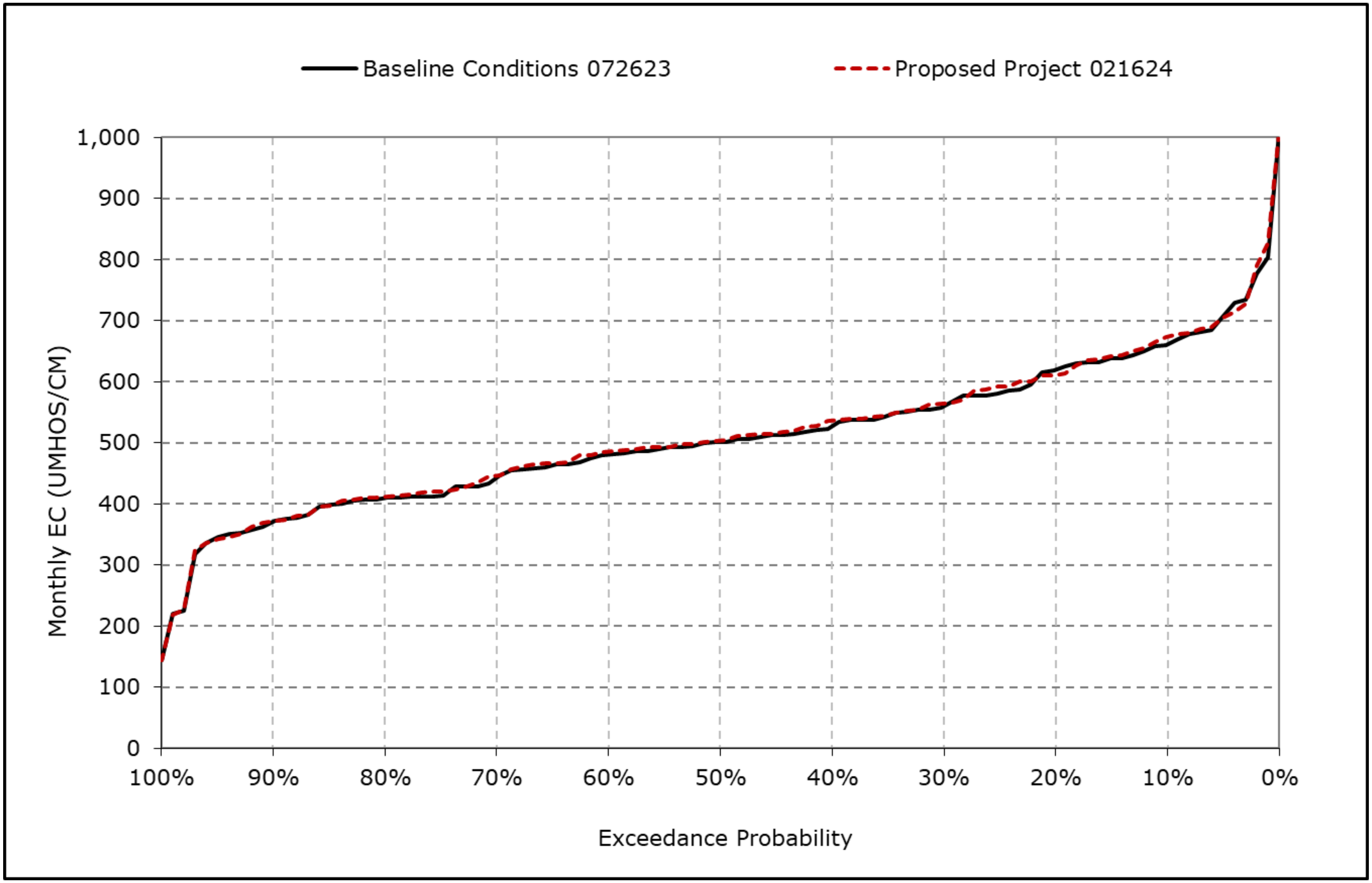
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-19j. Victoria Canal, January EC



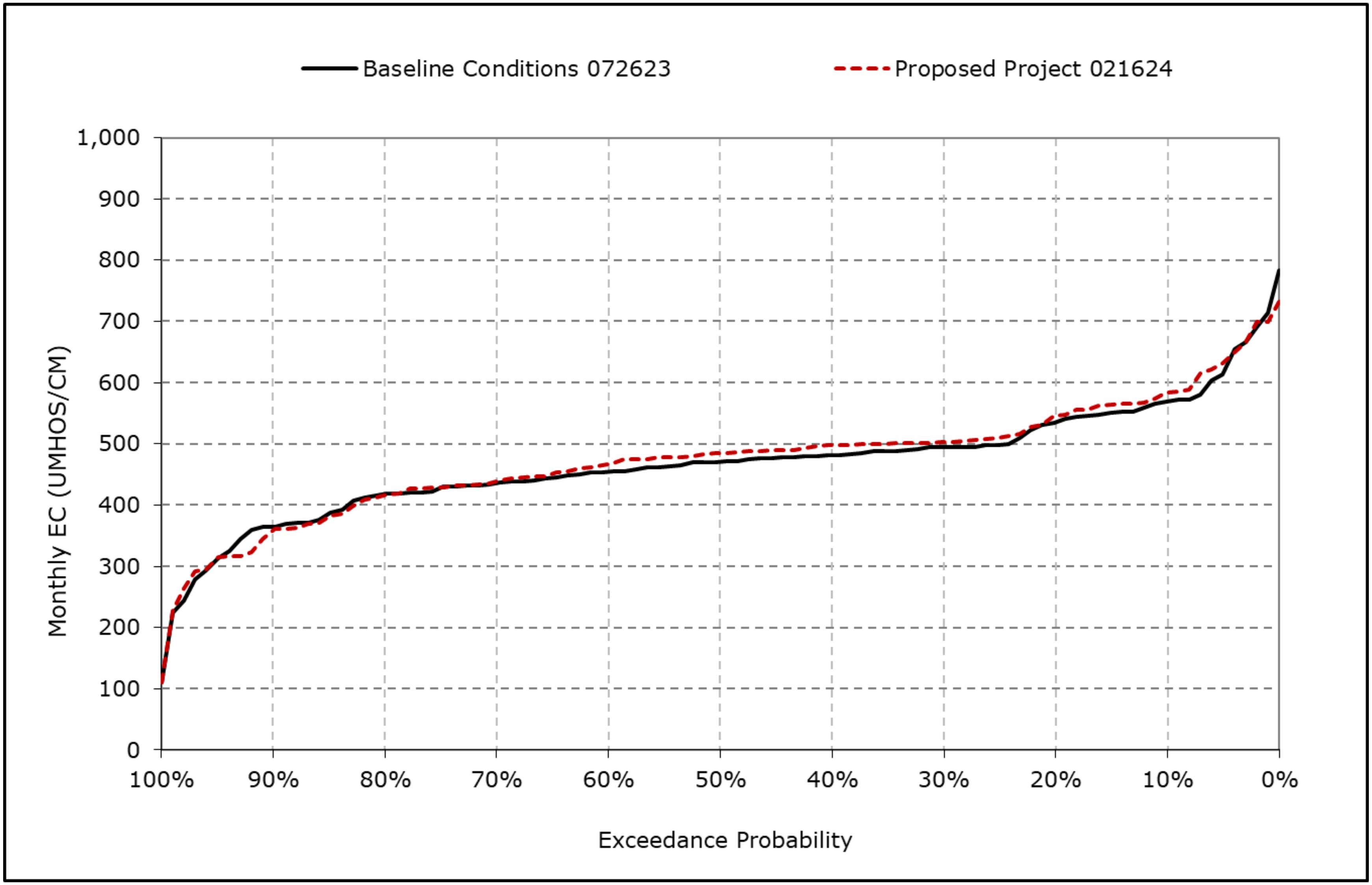
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-19k. Victoria Canal, February EC



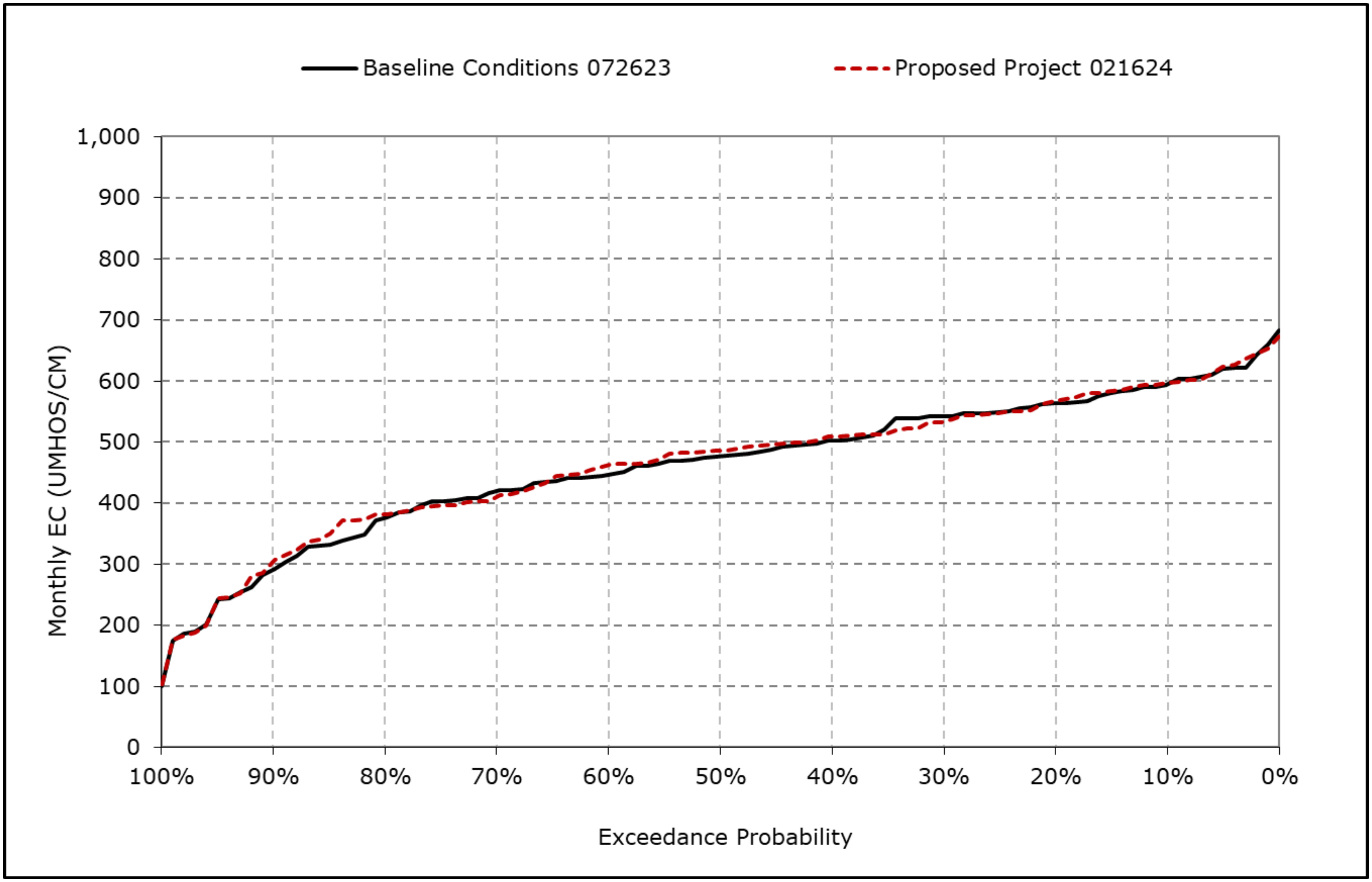
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-19l. Victoria Canal, March EC



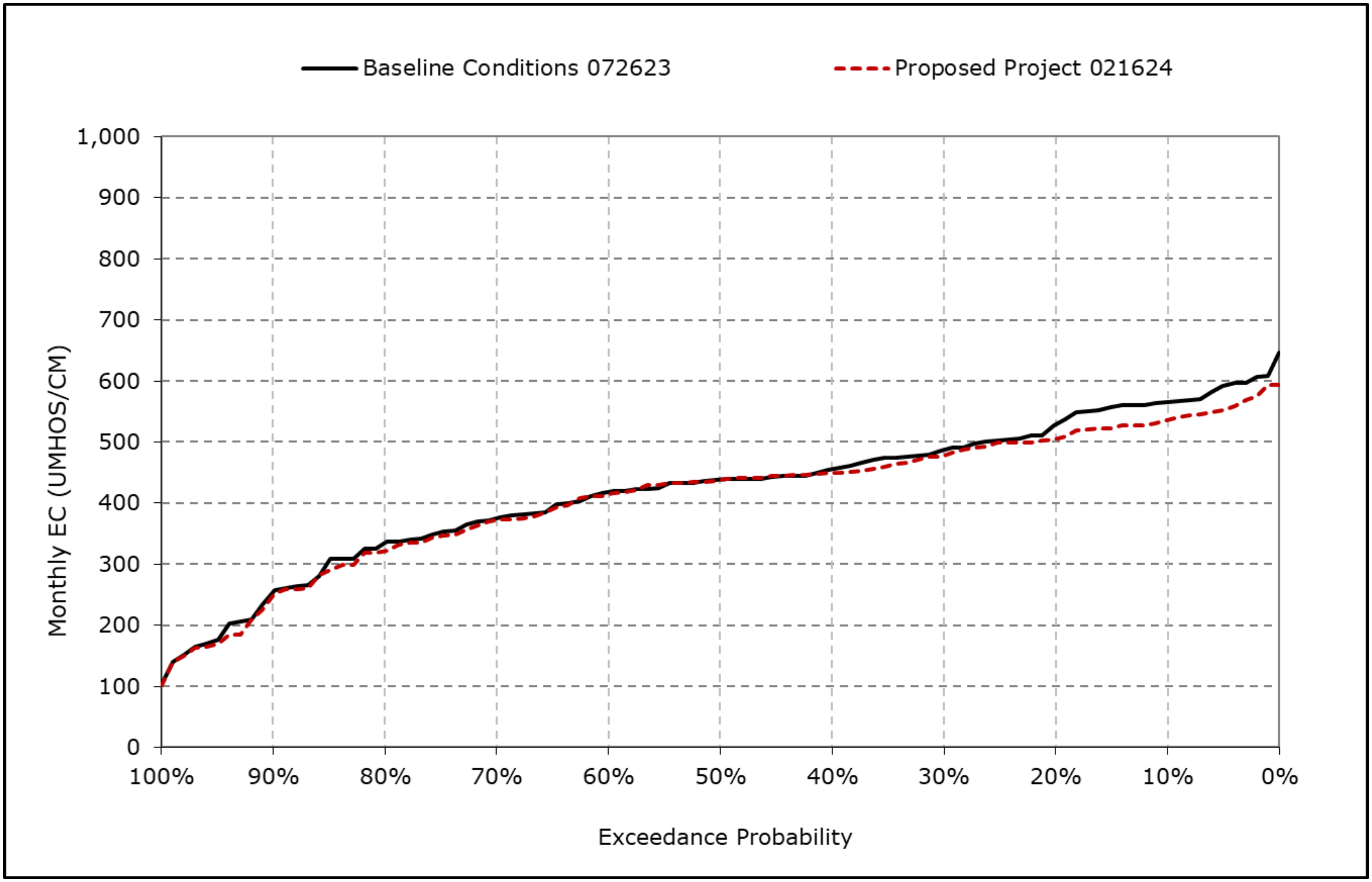
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-19m. Victoria Canal, April EC



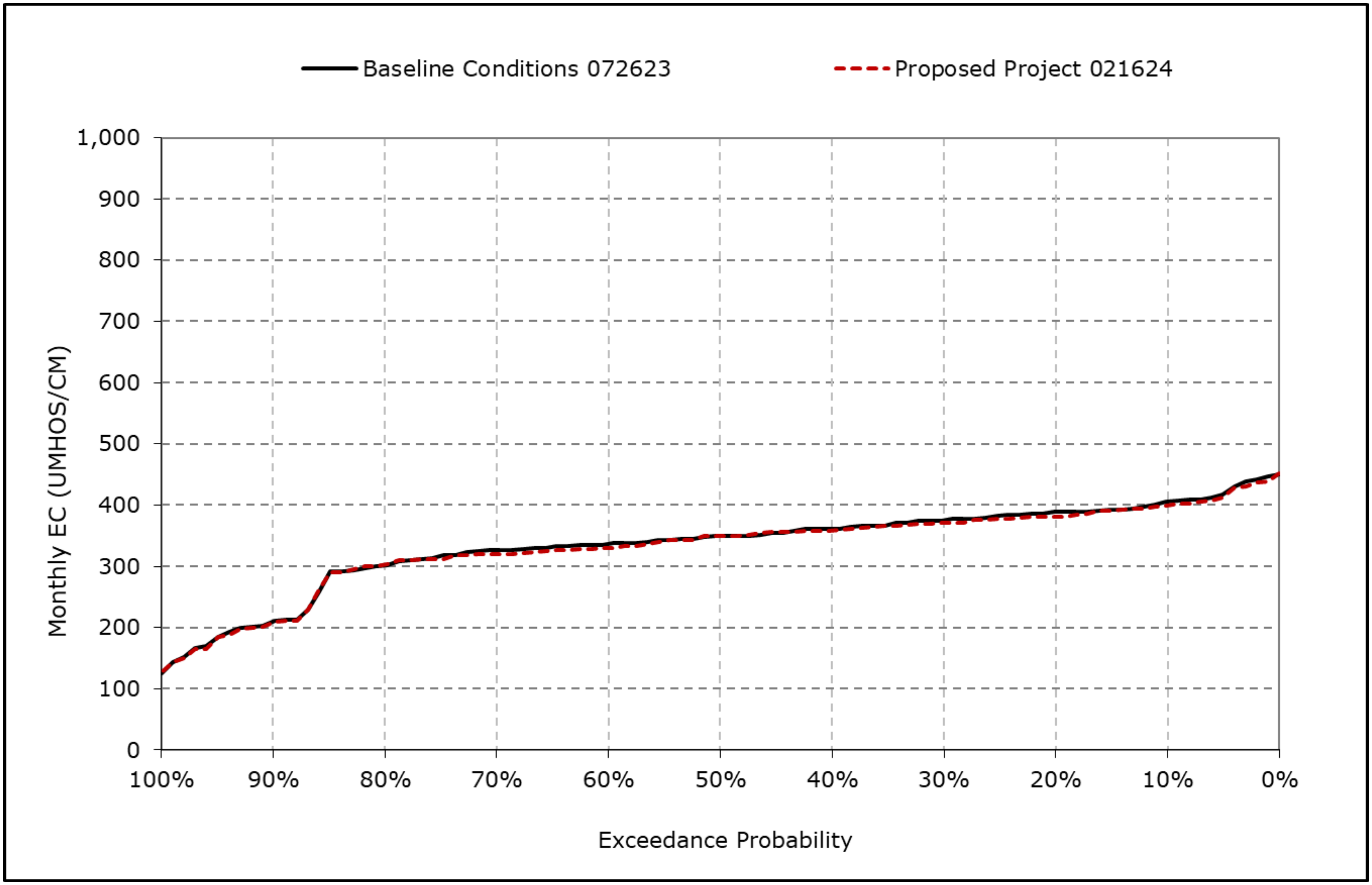
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-19n. Victoria Canal, May EC



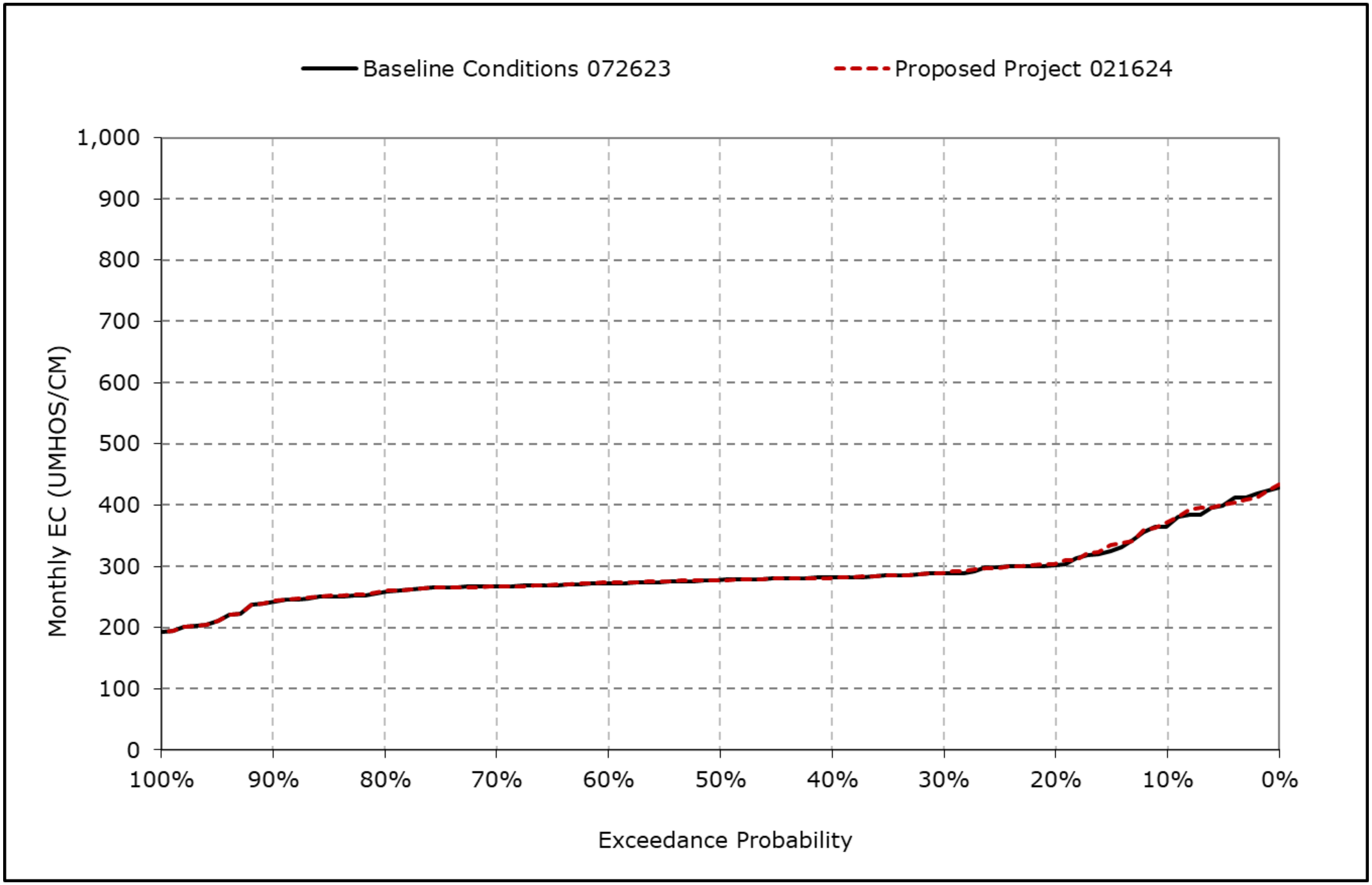
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-19o. Victoria Canal, June EC



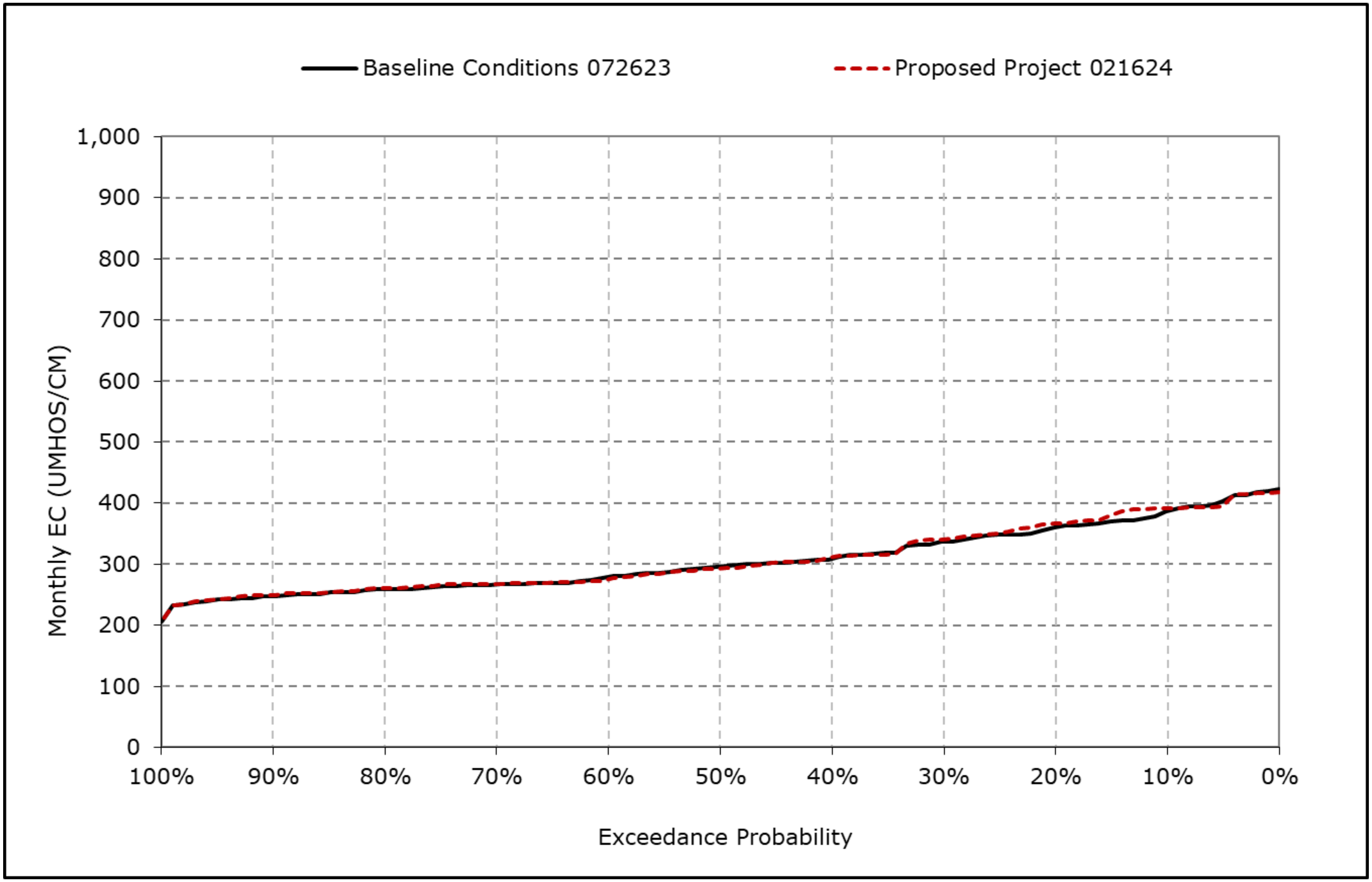
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-19p. Victoria Canal, July EC



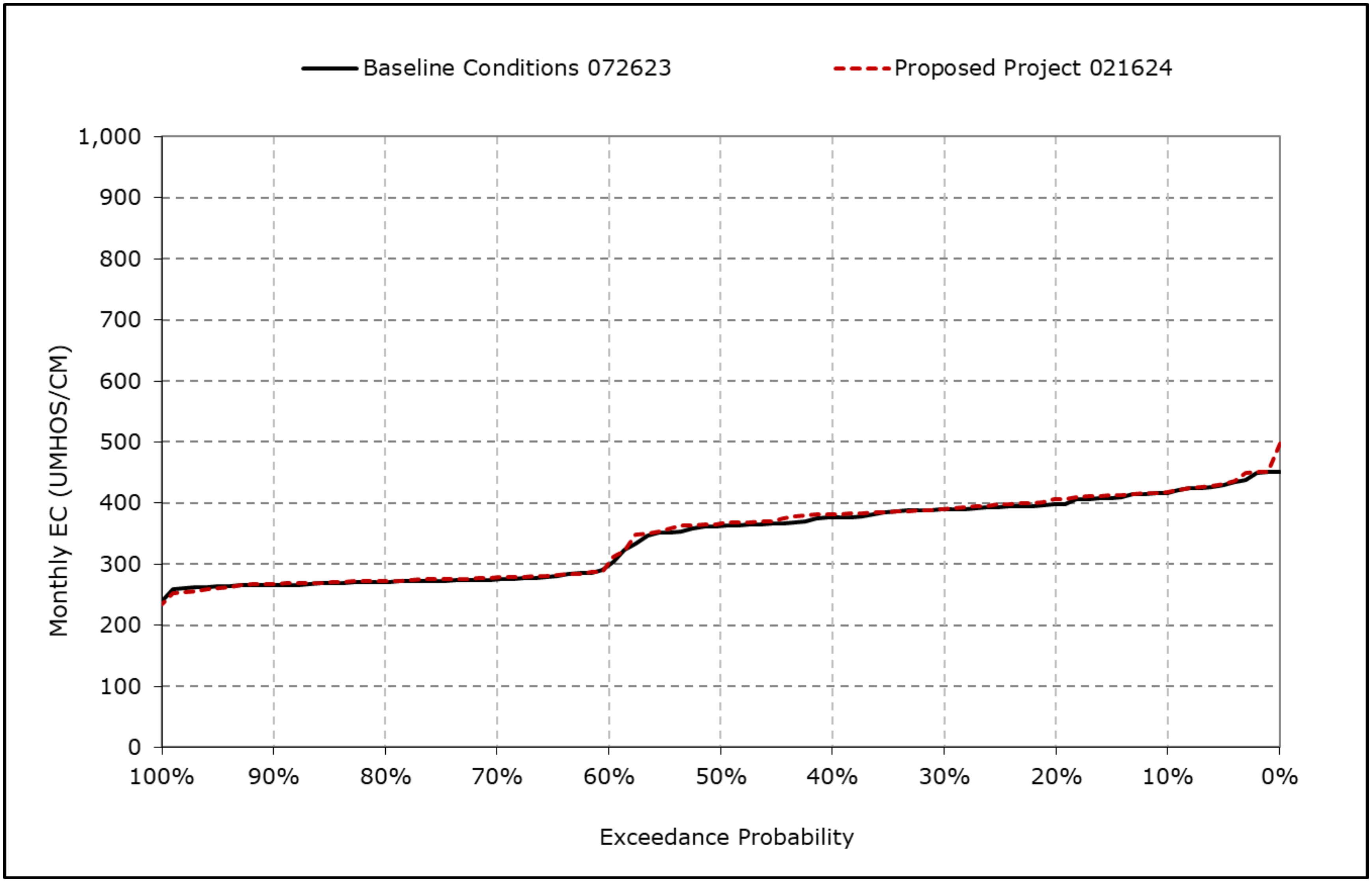
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-19q. Victoria Canal, August EC



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

Figure 4B-6-19r. Victoria Canal, September EC



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

Table 4B-6-20-1a. Montezuma Slough at Hunter Cut, Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,833	15,386	14,142	11,383	7,383	6,998	8,319	9,533	12,071	16,122	18,044	15,551
20% Exceedance	15,481	13,833	12,742	9,159	5,458	5,183	6,070	7,862	10,288	12,817	15,751	15,206
30% Exceedance	14,398	13,320	12,331	7,979	3,873	3,041	4,411	6,937	9,355	10,150	11,520	14,958
40% Exceedance	13,887	12,828	11,574	6,867	2,771	2,418	3,277	4,956	8,753	8,856	10,935	14,305
50% Exceedance	13,209	12,501	10,568	4,771	2,228	1,909	2,461	3,424	7,020	7,735	10,435	13,124
60% Exceedance	10,087	12,192	8,112	3,501	1,393	1,125	1,581	2,596	6,099	7,289	9,598	11,131
70% Exceedance	9,879	11,537	5,717	1,575	555	636	1,153	1,737	4,420	5,889	8,663	10,922
80% Exceedance	9,582	10,085	3,758	823	410	389	664	874	1,852	5,332	8,278	10,414
90% Exceedance	9,029	6,831	2,170	406	335	303	357	469	831	4,641	6,618	9,468
Full Simulation Period Average[a]	12,260	11,704	8,898	5,376	2,951	2,631	3,397	4,506	6,931	8,766	11,064	12,625
Wet Water Years (30%)	11,228	9,679	4,777	1,561	576	579	876	1,359	2,754	5,977	9,730	9,908
Above Normal Years (11%)	11,984	12,095	9,773	3,534	1,219	941	1,263	2,143	4,712	4,858	6,424	9,562
Below Normal Years (21%)	12,043	11,436	10,169	5,843	2,977	2,346	2,721	3,721	6,977	6,964	8,482	14,731
Dry Water Years (22%)	12,649	12,714	10,844	8,026	4,478	3,868	5,155	6,565	9,310	11,258	12,676	14,095
Critical Water Years (16%)	14,136	14,195	11,680	9,539	6,463	6,313	8,061	10,230	12,958	15,621	17,931	15,040

Table 4B-6-20-1b. Montezuma Slough at Hunter Cut, Proposed Project 021624, Monthly EC (UMHOS/CM)

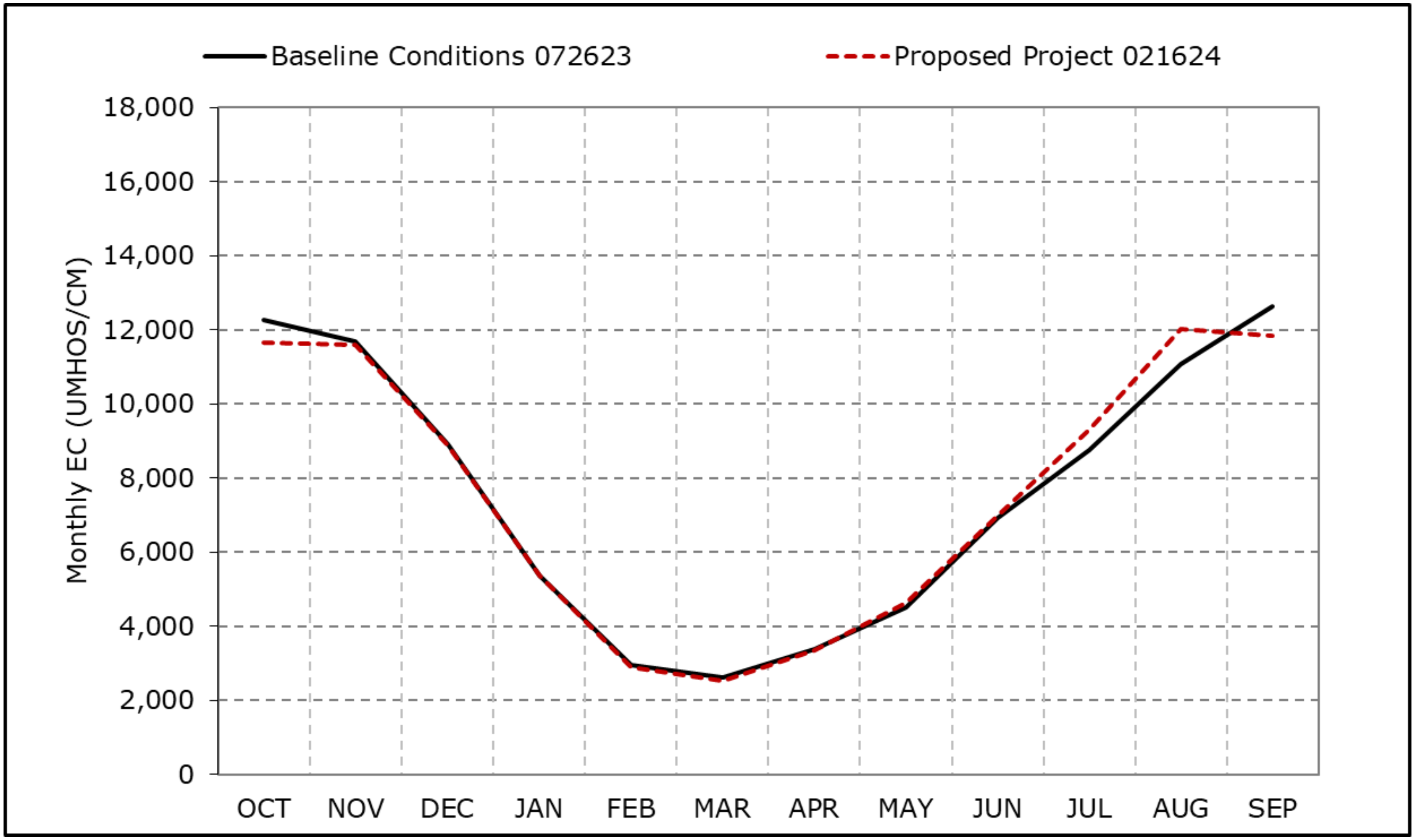
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	15,505	15,392	13,943	11,367	7,382	6,773	8,326	9,686	12,302	16,199	18,071	14,966
20% Exceedance	14,323	13,694	12,702	9,313	5,455	4,570	5,804	7,794	10,138	12,751	15,753	13,725
30% Exceedance	13,862	13,179	12,409	8,088	3,820	2,902	4,276	6,969	9,415	10,943	13,212	13,368
40% Exceedance	13,525	12,821	11,492	6,702	2,657	2,341	3,185	4,982	8,725	9,528	11,812	12,861
50% Exceedance	12,900	12,424	10,485	4,694	2,188	1,702	2,495	3,646	7,208	8,830	11,091	12,227
60% Exceedance	10,065	12,072	8,282	3,498	1,346	1,142	1,534	2,834	6,153	8,501	10,710	11,251
70% Exceedance	9,868	11,251	5,854	1,562	552	642	1,223	1,889	4,387	6,956	10,489	11,054
80% Exceedance	9,568	10,111	3,694	811	411	389	660	936	1,827	5,818	9,819	10,669
90% Exceedance	6,956	6,548	2,137	401	334	306	359	509	849	4,758	8,421	7,949
Full Simulation Period Average[a]	11,645	11,595	8,892	5,365	2,906	2,517	3,351	4,632	6,973	9,320	12,041	11,841
Wet Water Years (30%)	10,488	9,564	4,785	1,546	571	581	927	1,530	2,794	5,933	9,976	10,205
Above Normal Years (11%)	11,611	11,962	9,840	3,580	1,206	908	1,261	2,310	4,746	6,048	8,446	7,859
Below Normal Years (21%)	11,481	11,384	10,257	5,743	3,065	2,256	2,626	3,940	7,082	8,353	10,374	12,559
Dry Water Years (22%)	11,794	12,536	10,818	8,181	4,329	3,668	4,963	6,508	9,229	11,886	13,945	13,035
Critical Water Years (16%)	13,849	14,135	11,502	9,385	6,290	6,012	8,068	10,377	13,093	15,663	17,955	15,062

Table 4B-6-20-1c. Montezuma Slough at Hunter Cut, Proposed Project 021624 minus Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-328	5	-199	-16	0	-225	7	153	230	77	28	-585
20% Exceedance	-1,158	-139	-40	154	-3	-613	-266	-68	-150	-66	2	-1,481
30% Exceedance	-536	-141	78	109	-52	-140	-135	33	60	793	1,692	-1,591
40% Exceedance	-362	-8	-82	-165	-114	-77	-92	26	-28	672	876	-1,444
50% Exceedance	-310	-77	-83	-77	-40	-208	34	222	188	1,095	657	-896
60% Exceedance	-23	-119	170	-4	-46	17	-46	238	54	1,212	1,113	120
70% Exceedance	-11	-286	137	-13	-4	6	71	151	-33	1,067	1,826	132
80% Exceedance	-14	26	-64	-12	1	0	-4	62	-25	486	1,541	255
90% Exceedance	-2,073	-283	-33	-5	0	3	2	40	18	117	1,803	-1,519
Full Simulation Period Average[a]	-615	-109	-6	-11	-45	-114	-46	126	42	554	977	-784
Wet Water Years (30%)	-740	-115	8	-15	-5	3	51	171	41	-44	246	297
Above Normal Years (11%)	-373	-133	67	46	-13	-33	-1	167	34	1,190	2,022	-1,703
Below Normal Years (21%)	-562	-52	88	-101	88	-90	-96	218	105	1,389	1,892	-2,172
Dry Water Years (22%)	-855	-178	-26	155	-150	-199	-193	-57	-81	628	1,269	-1,060
Critical Water Years (16%)	-287	-60	-178	-154	-173	-301	7	147	135	42	24	22

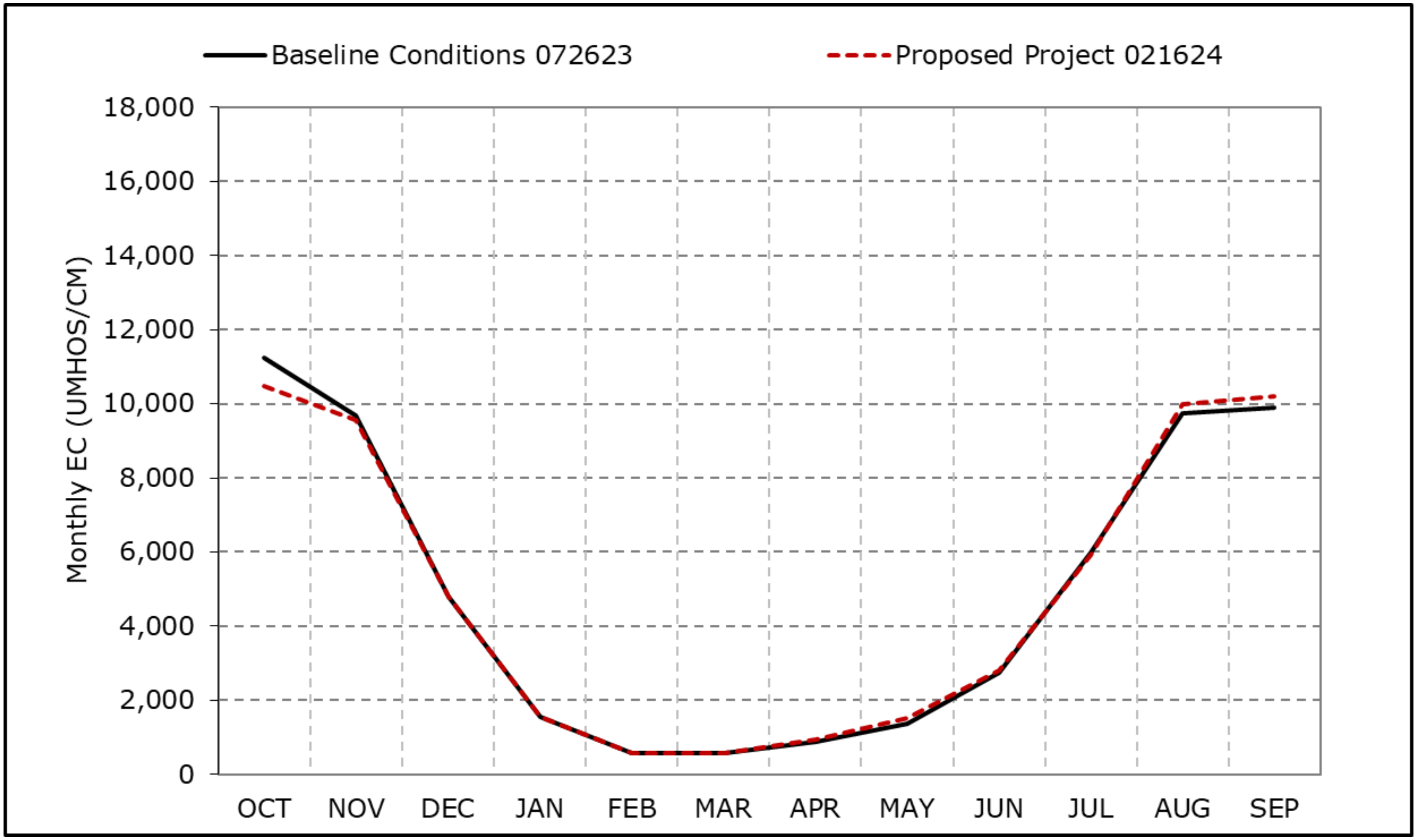
[a] Based on the 100-year simulation period.
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-6-20a. Montezuma Slough at Hunter Cut, Long-Term Average EC



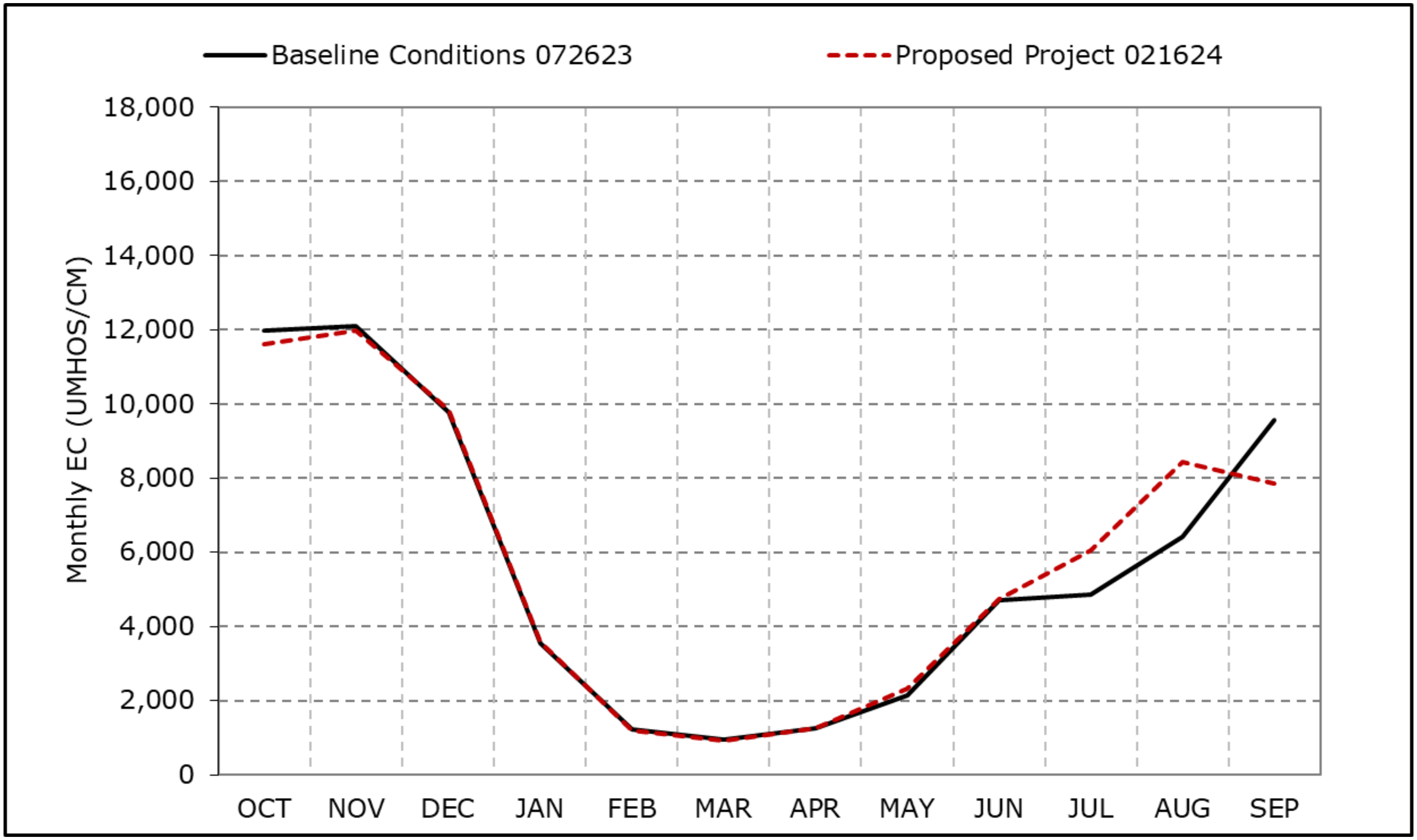
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-20b. Montezuma Slough at Hunter Cut, Wet Year Average EC



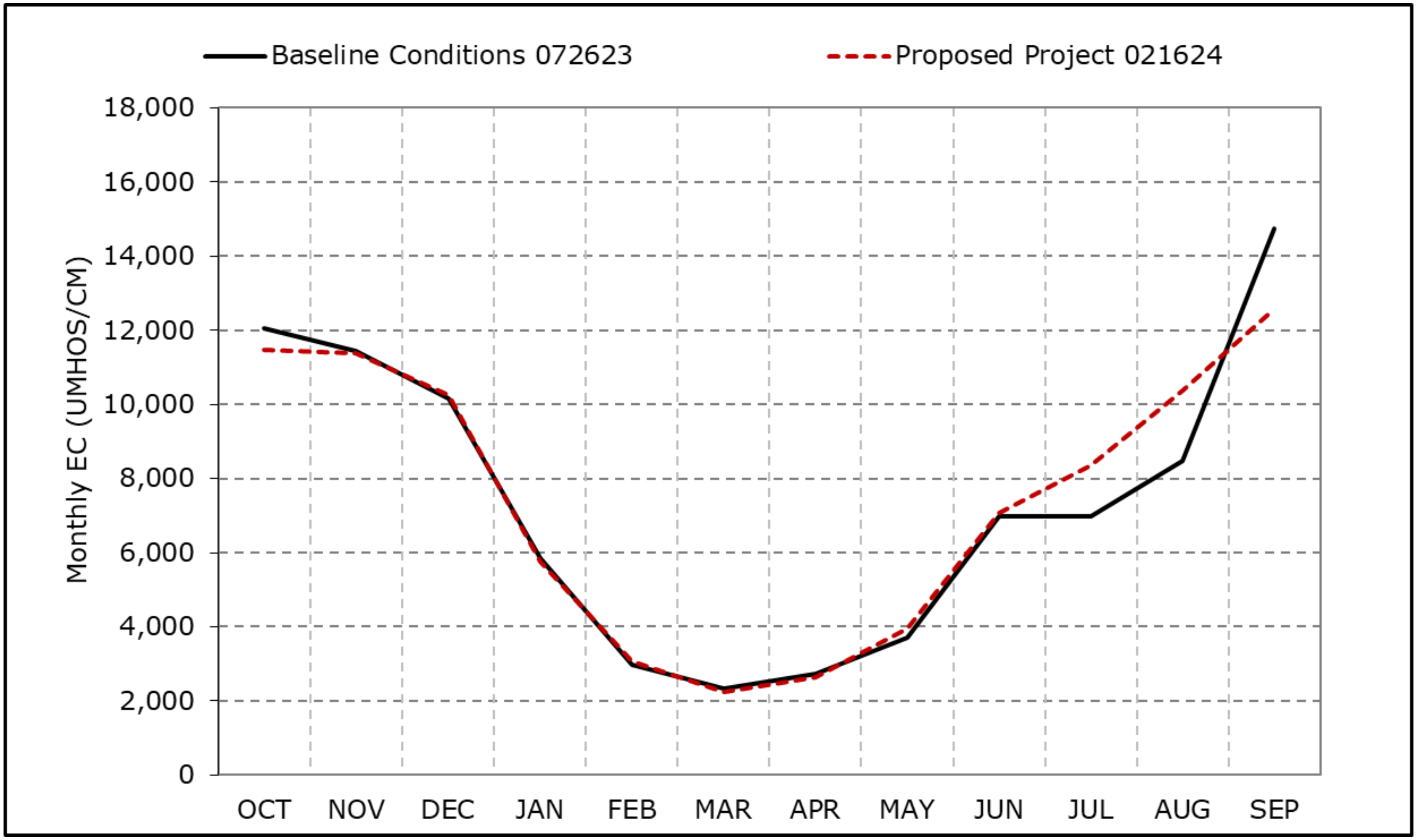
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-20c. Montezuma Slough at Hunter Cut, Above Normal Year Average EC



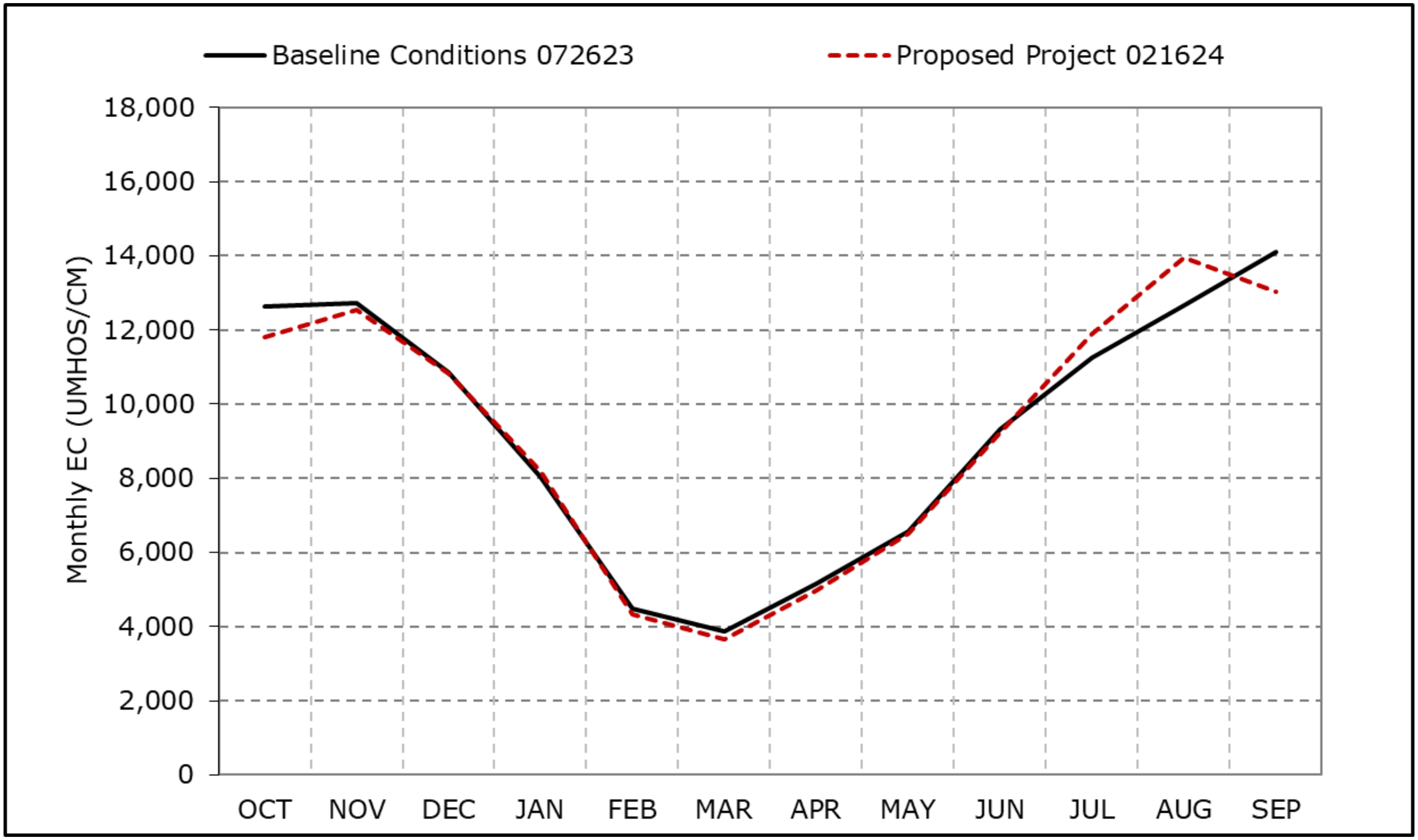
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-20d. Montezuma Slough at Hunter Cut, Below Normal Year Average EC



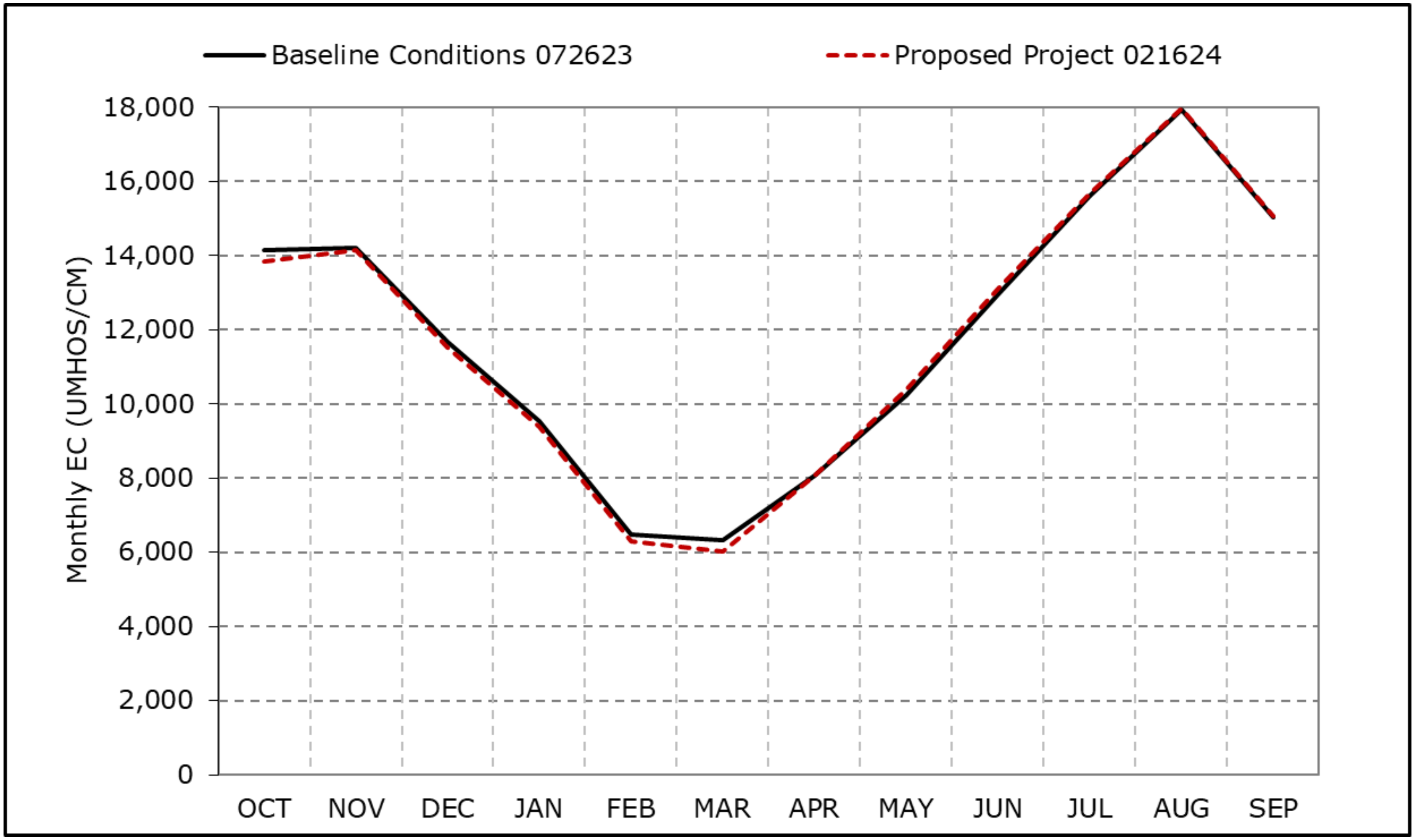
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-20e. Montezuma Slough at Hunter Cut, Dry Year Average EC



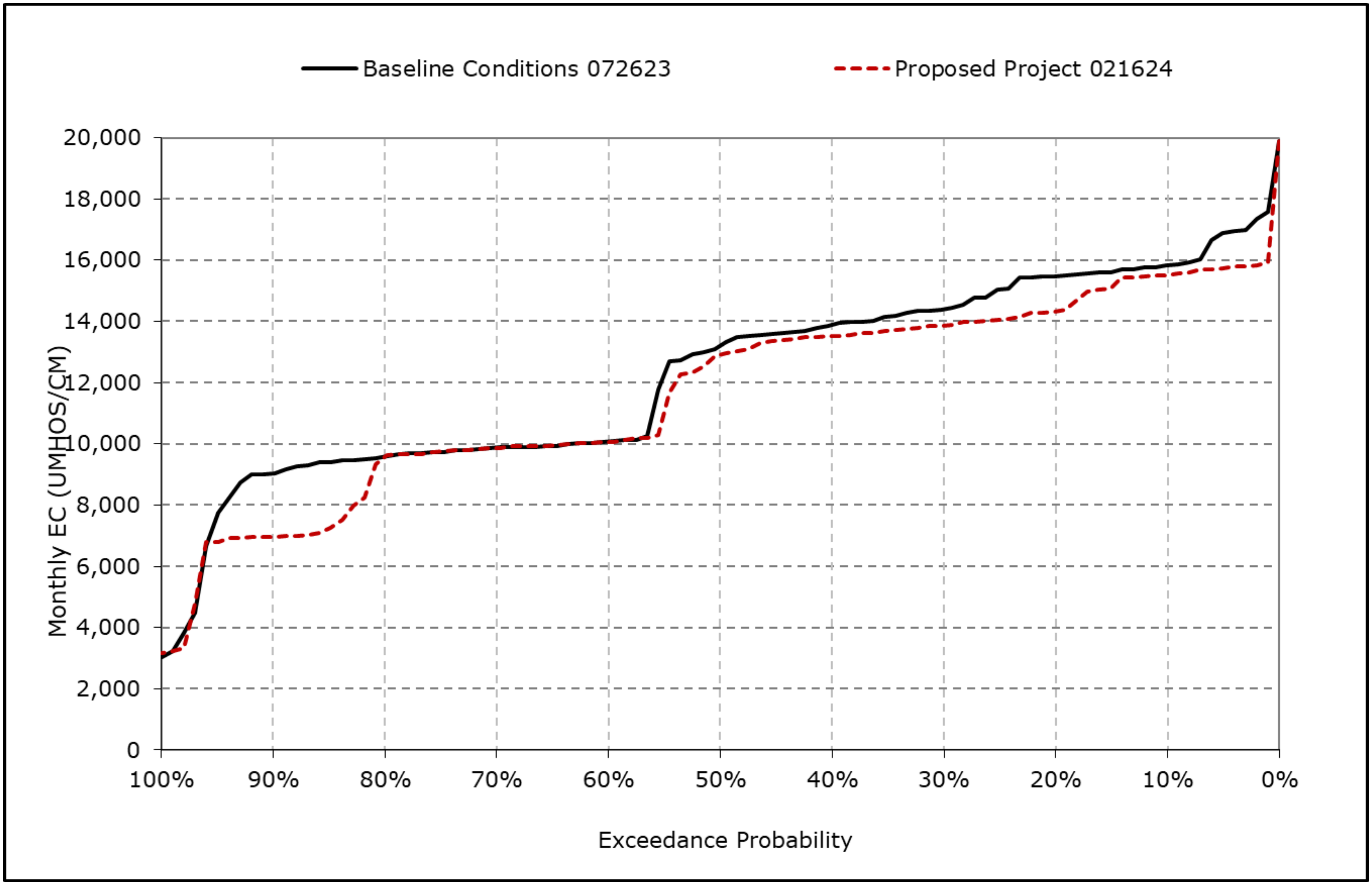
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-20f. Montezuma Slough at Hunter Cut, Critical Year Average EC



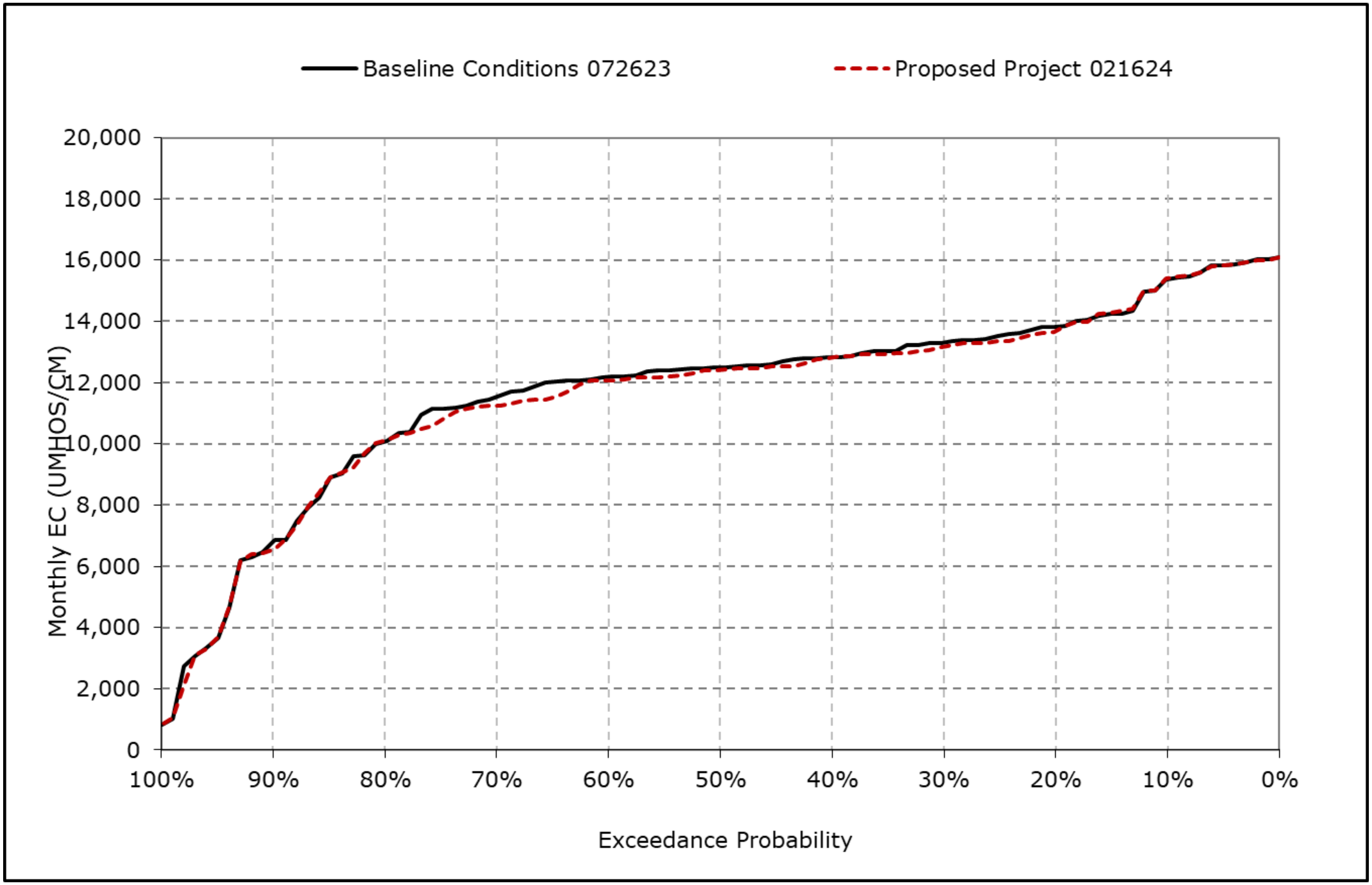
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-20g. Montezuma Slough at Hunter Cut, October EC



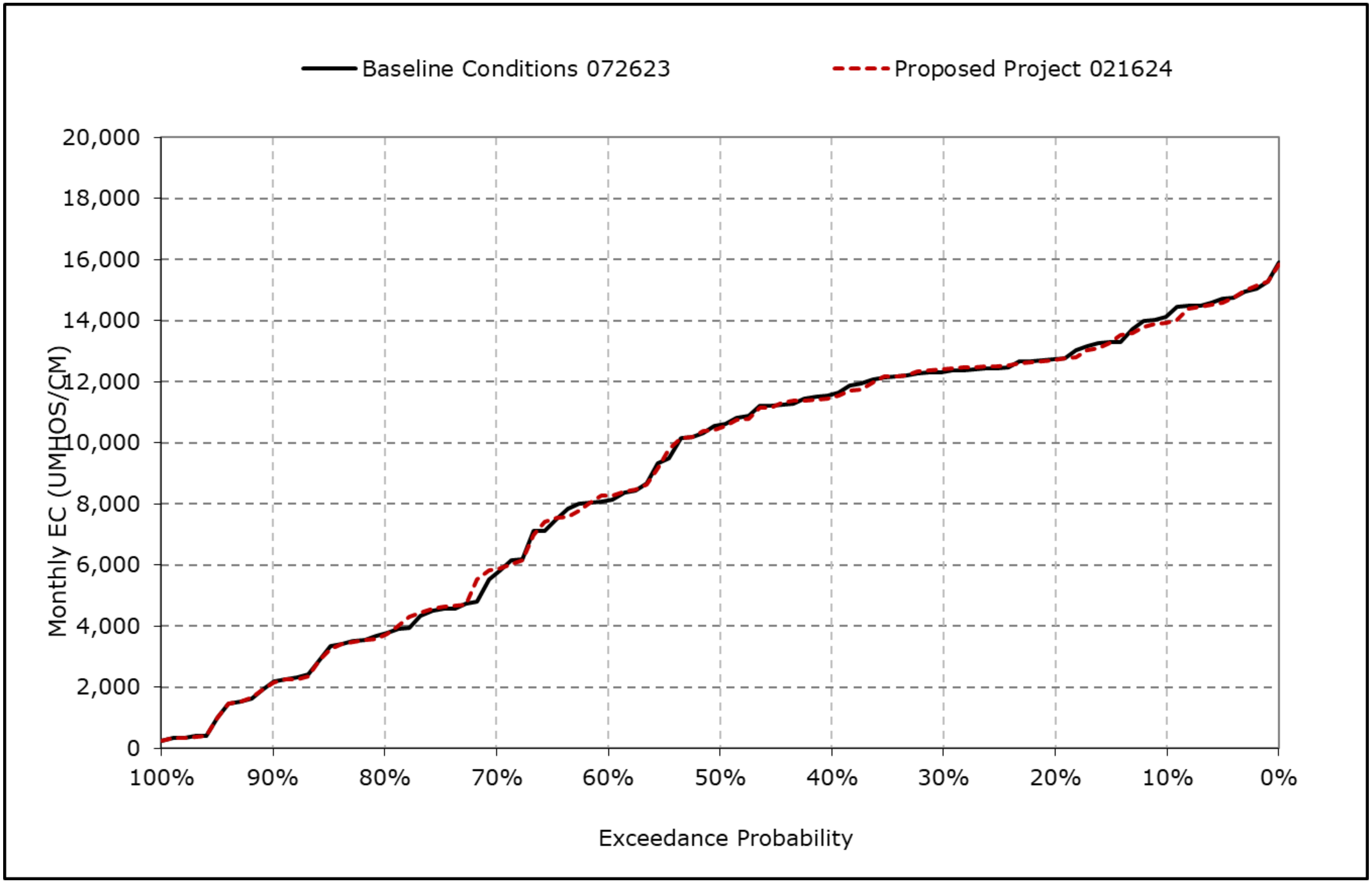
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-20h. Montezuma Slough at Hunter Cut, November EC



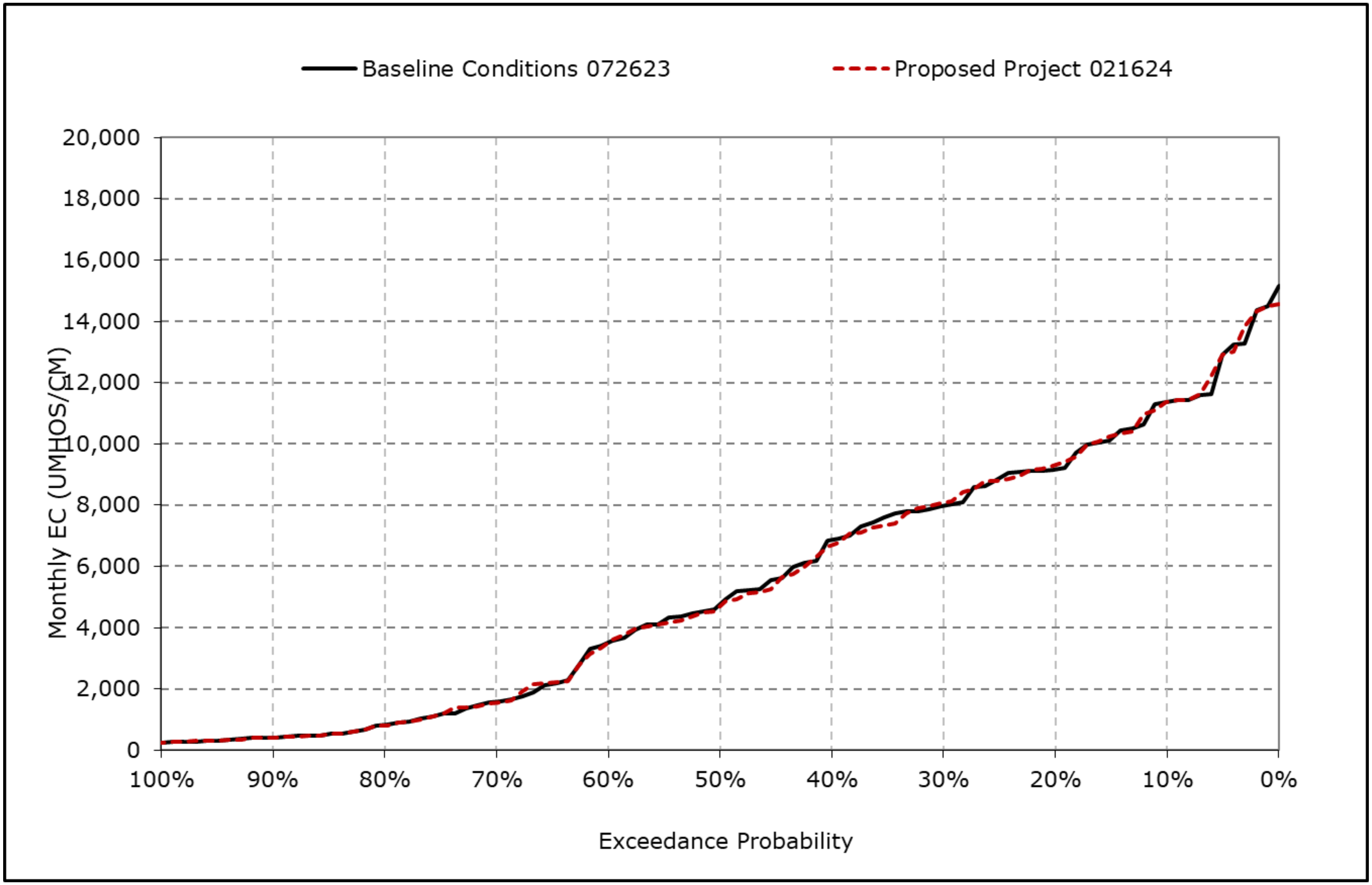
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-20i. Montezuma Slough at Hunter Cut, December EC



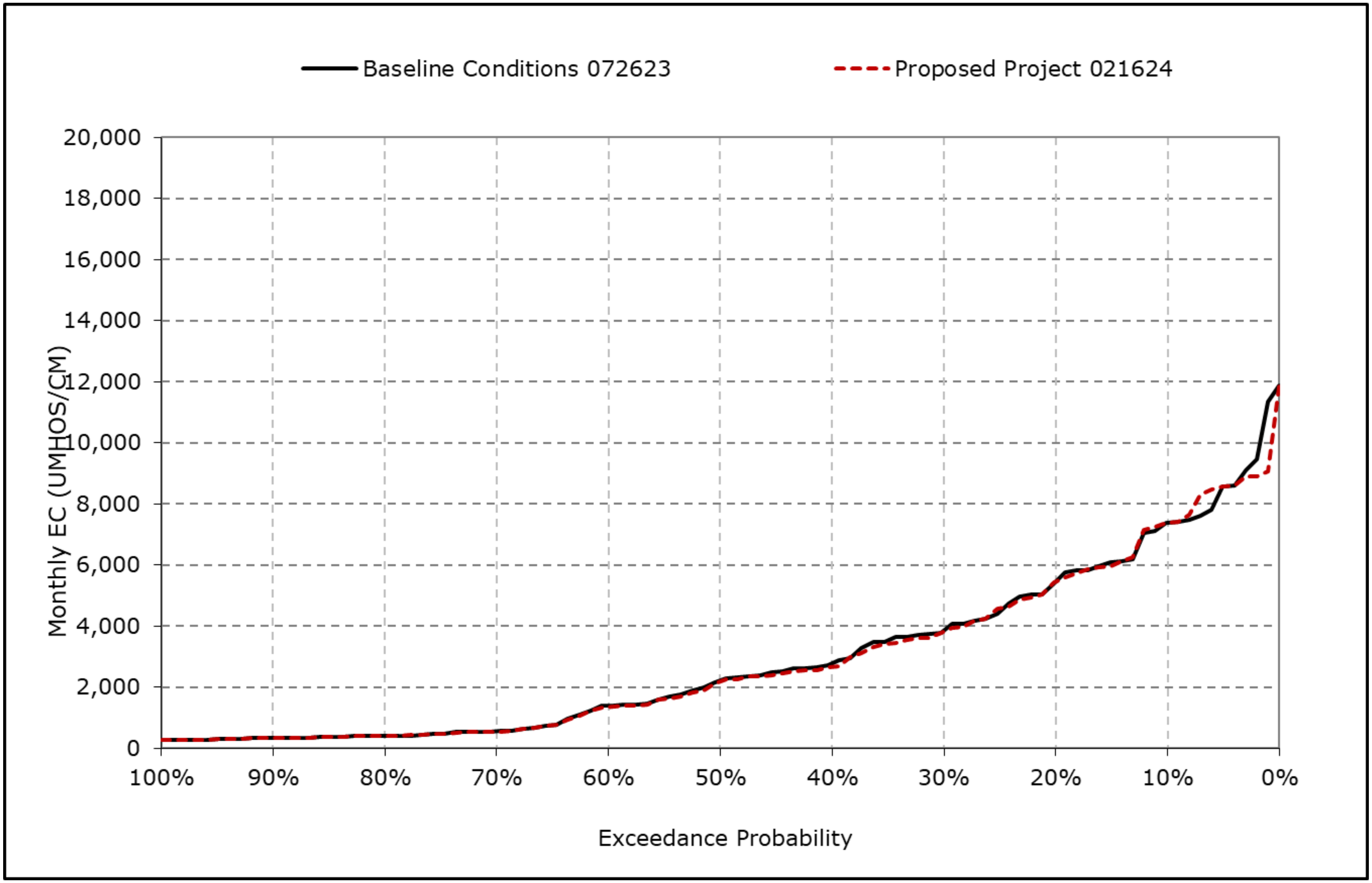
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-20j. Montezuma Slough at Hunter Cut, January EC



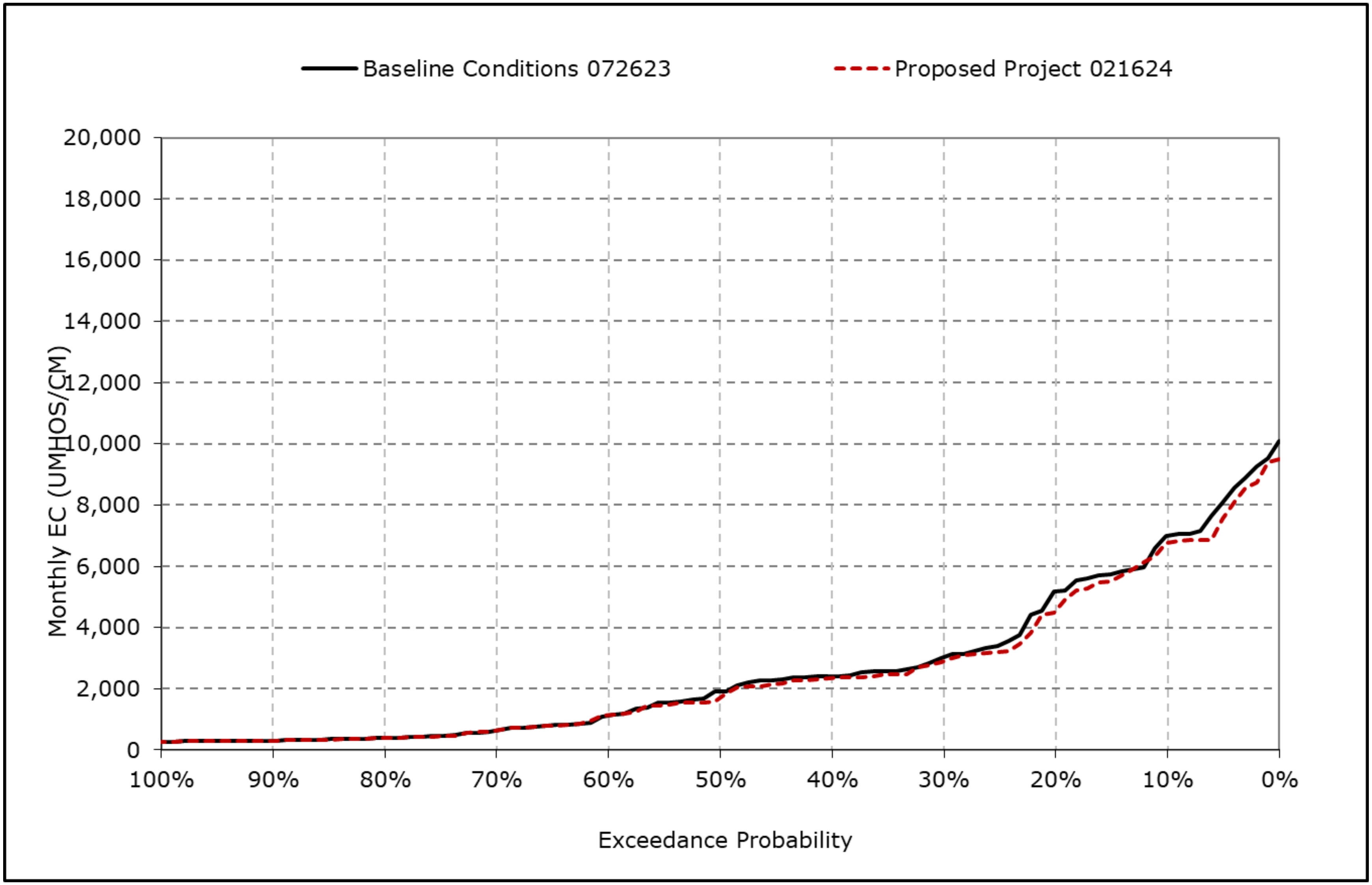
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-20k. Montezuma Slough at Hunter Cut, February EC



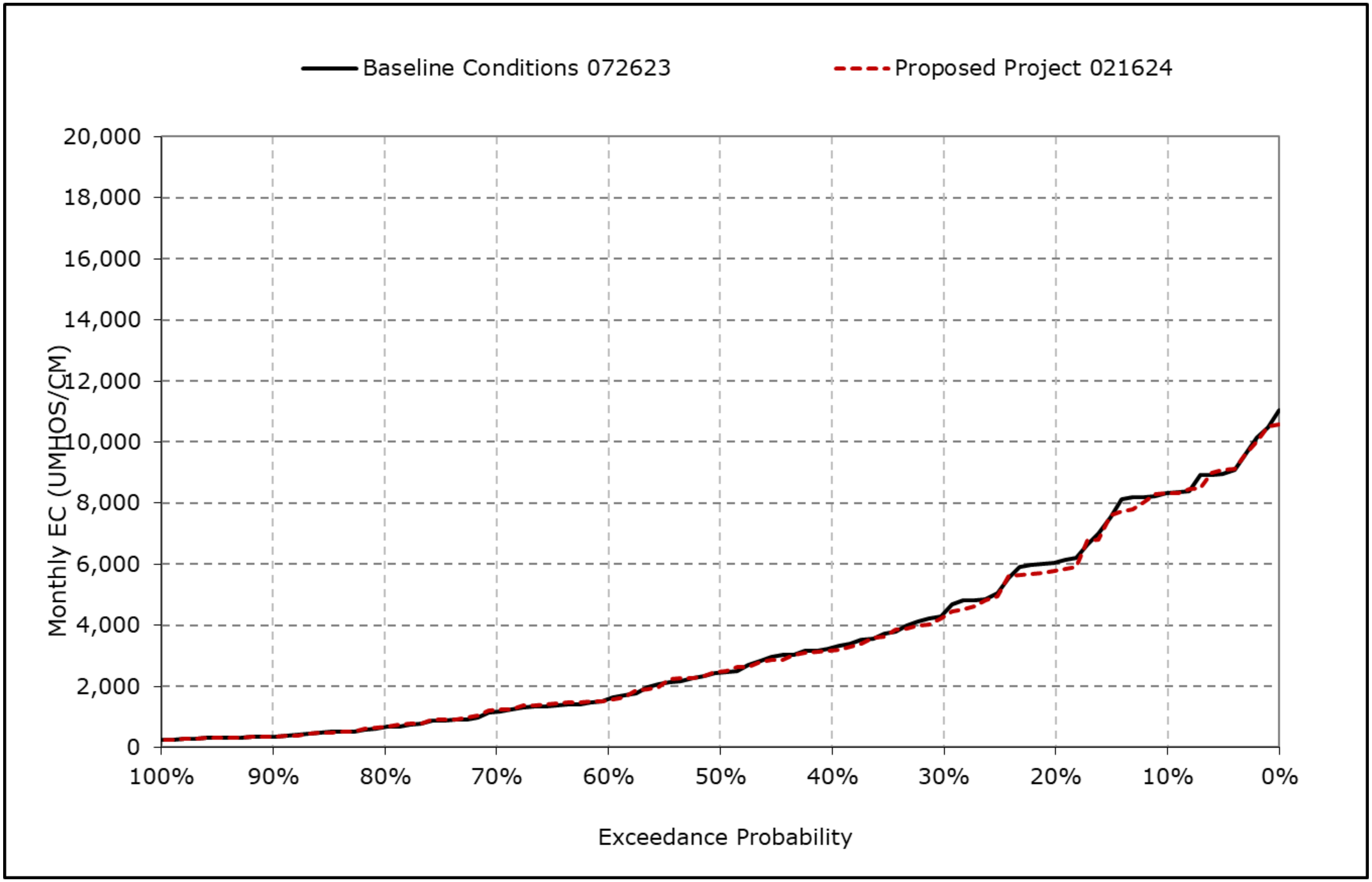
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-20l. Montezuma Slough at Hunter Cut, March EC



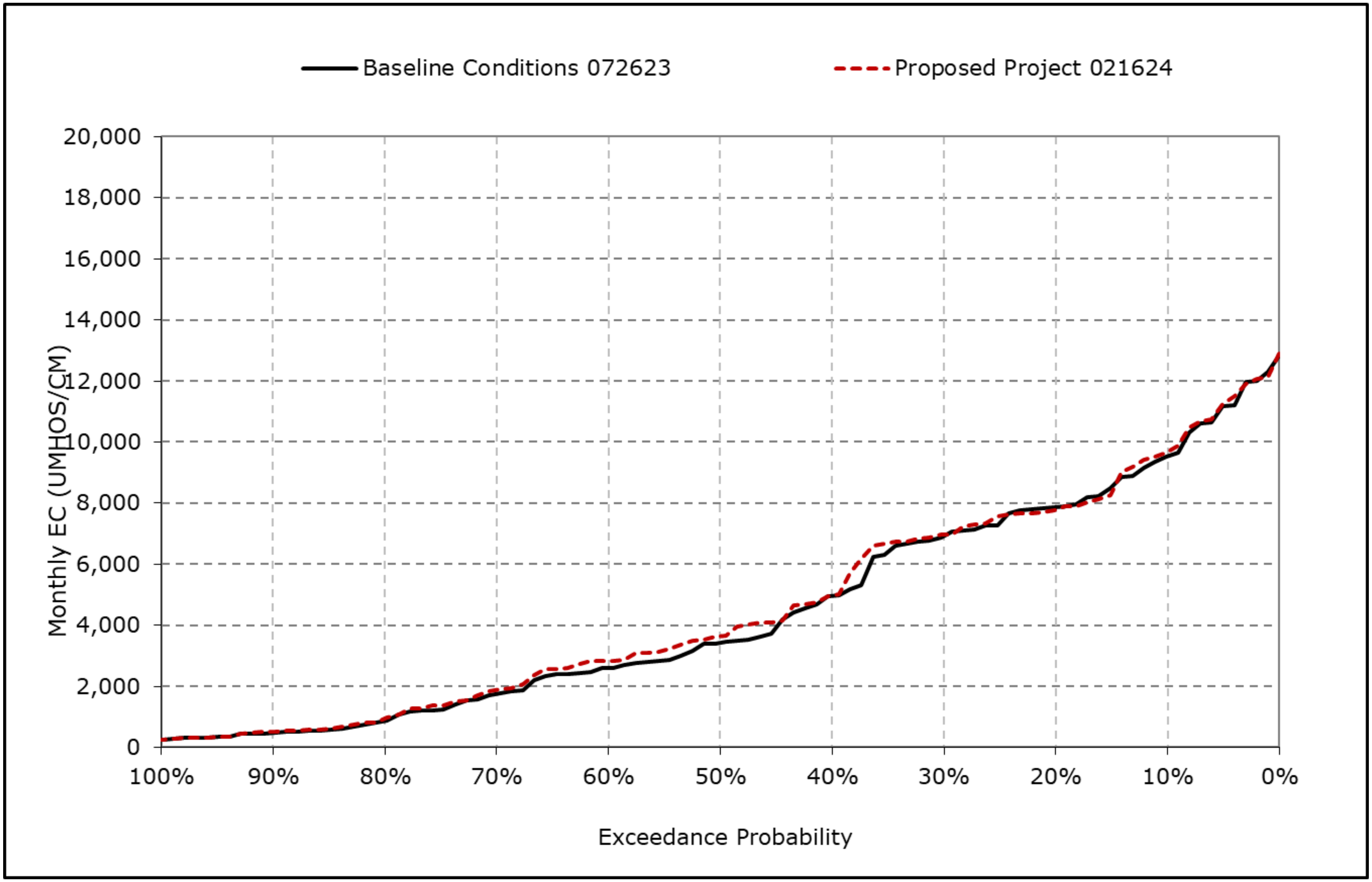
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-20m. Montezuma Slough at Hunter Cut, April EC



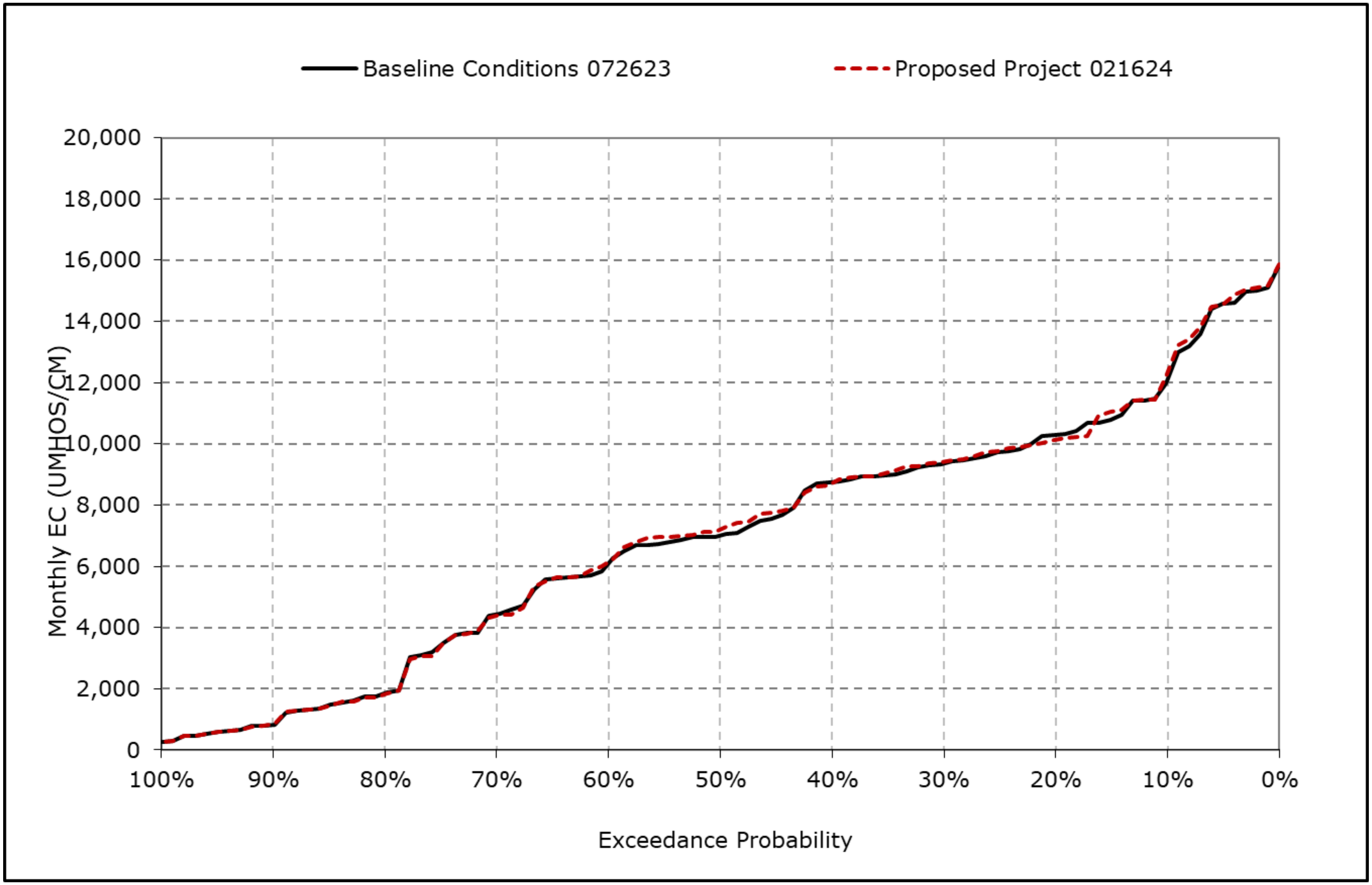
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-20n. Montezuma Slough at Hunter Cut, May EC



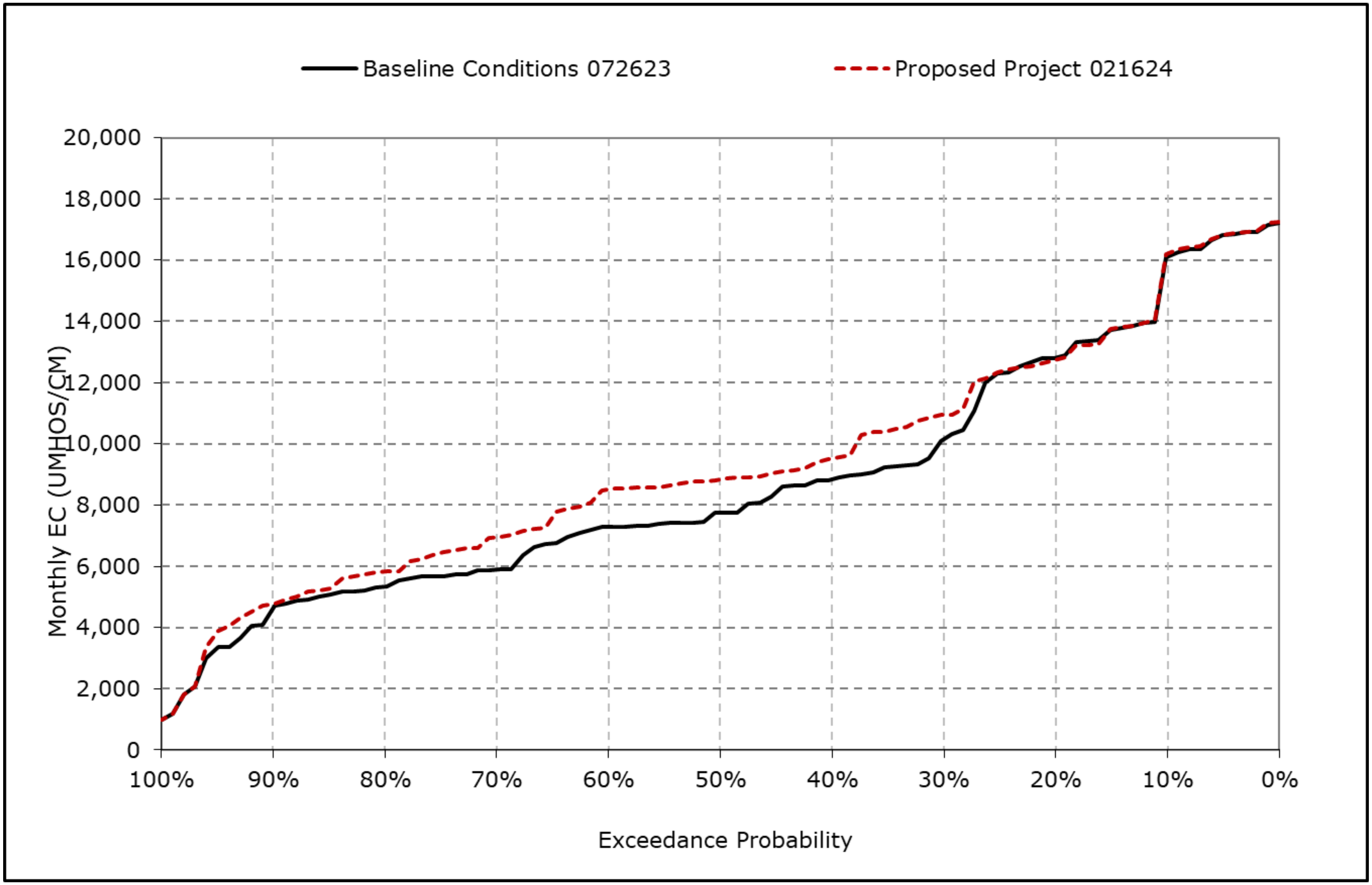
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-20o. Montezuma Slough at Hunter Cut, June EC



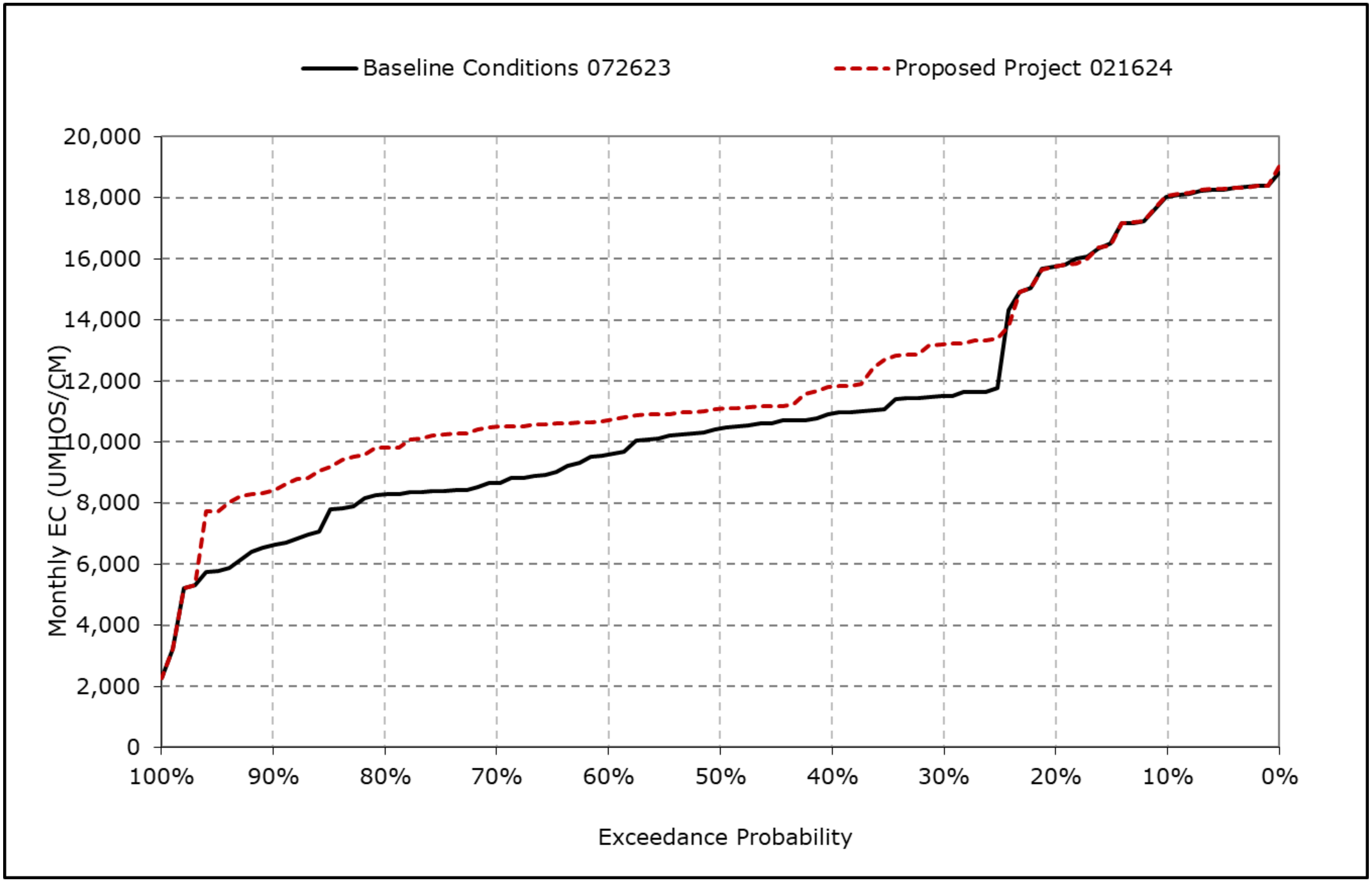
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-20p. Montezuma Slough at Hunter Cut, July EC



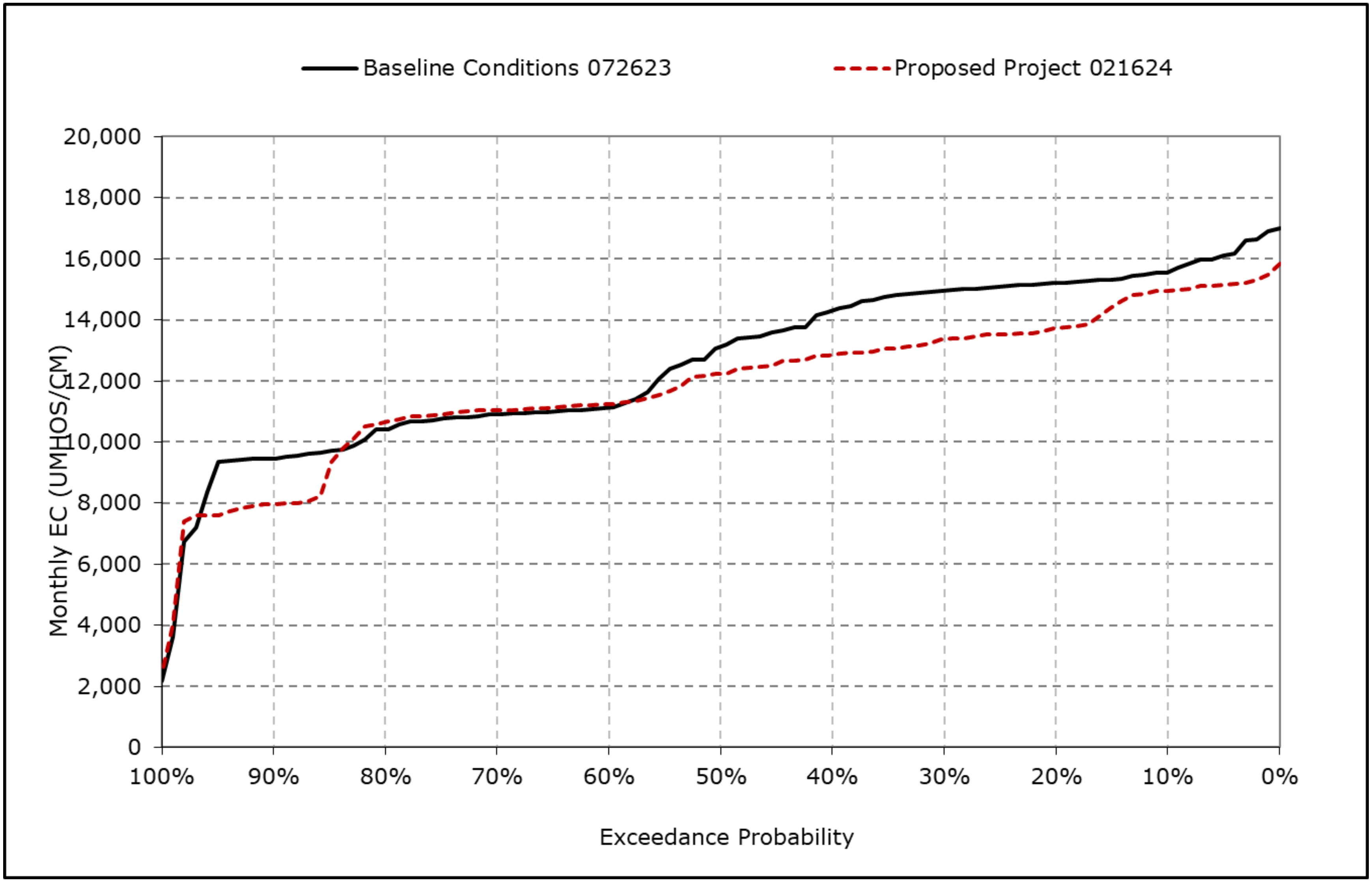
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-20q. Montezuma Slough at Hunter Cut, August EC



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

Figure 4B-6-20r. Montezuma Slough at Hunter Cut, September EC



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

Table 4B-6-21-1a. Montezuma Slough at Beldons Landing, Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	11,735	11,116	11,454	7,944	4,096	3,687	5,878	6,830	9,314	13,057	15,362	10,956
20% Exceedance	10,945	10,122	9,010	6,388	2,951	2,752	3,715	5,700	7,648	9,957	12,672	10,639
30% Exceedance	9,820	9,641	8,297	5,090	2,105	1,738	2,484	4,680	6,698	7,056	8,402	10,301
40% Exceedance	9,413	9,332	7,896	3,974	1,594	1,244	1,840	3,052	5,394	5,334	7,448	9,714
50% Exceedance	8,615	9,090	6,971	2,670	1,108	900	1,243	1,896	4,205	4,061	6,907	9,330
60% Exceedance	8,196	8,558	5,403	1,748	583	559	829	1,331	3,506	3,589	6,222	9,170
70% Exceedance	7,933	8,054	4,029	971	375	349	570	834	2,071	3,045	4,951	8,743
80% Exceedance	7,532	7,202	2,810	537	302	274	372	450	873	2,378	4,724	7,623
90% Exceedance	7,052	4,304	1,347	302	251	252	244	250	348	2,006	3,296	6,215
Full Simulation Period Average[a]	9,079	8,401	6,347	3,530	1,733	1,538	2,124	3,044	4,718	5,774	7,830	9,072
Wet Water Years (30%)	8,176	6,783	3,743	1,040	368	345	456	754	1,503	3,577	6,725	8,081
Above Normal Years (11%)	8,719	8,800	7,039	2,846	970	560	653	1,082	2,625	2,020	3,193	6,247
Below Normal Years (21%)	9,096	8,252	7,300	3,627	1,645	1,426	1,570	2,293	4,286	3,404	4,908	10,065
Dry Water Years (22%)	9,712	9,206	7,609	5,200	2,592	2,238	3,222	4,579	6,575	7,778	9,124	9,780
Critical Water Years (16%)	10,128	10,249	7,766	6,244	3,753	3,634	5,482	7,565	10,196	12,827	15,148	10,593

Table 4B-6-21-1b. Montezuma Slough at Beldons Landing, Proposed Project 021624, Monthly EC (UMHOS/CM)

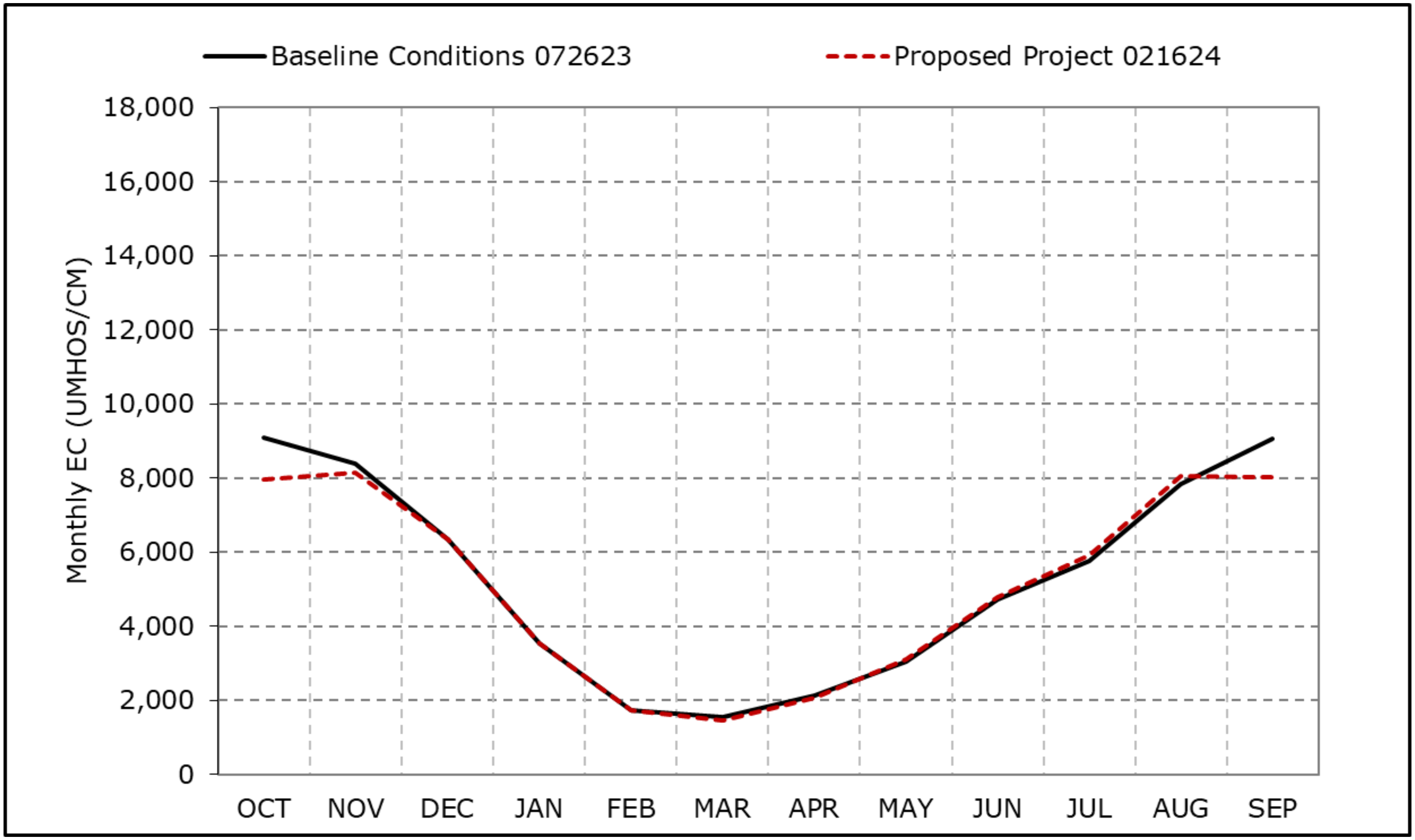
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	11,026	11,083	11,068	8,250	4,332	3,593	5,923	6,983	9,341	13,191	15,400	10,551
20% Exceedance	9,842	10,032	8,814	6,326	3,029	2,532	3,540	5,521	7,496	9,874	12,708	9,683
30% Exceedance	9,352	9,615	8,295	5,147	2,045	1,531	2,309	4,819	6,797	6,984	8,248	9,340
40% Exceedance	8,656	9,112	7,767	3,740	1,542	1,164	1,789	2,987	5,420	5,597	7,688	9,170
50% Exceedance	8,250	8,575	6,836	2,713	1,050	779	1,212	2,057	4,389	4,418	7,380	8,915
60% Exceedance	8,102	8,052	5,563	1,633	581	565	802	1,471	3,610	4,088	6,760	8,105
70% Exceedance	7,790	7,401	4,341	1,026	378	352	601	864	2,080	3,011	5,315	7,222
80% Exceedance	6,962	6,907	2,958	563	301	274	365	505	877	2,594	4,968	6,652
90% Exceedance	2,680	4,368	1,356	300	251	252	245	263	357	2,024	3,938	3,442
Full Simulation Period Average[a]	7,964	8,161	6,346	3,540	1,718	1,463	2,060	3,093	4,776	5,932	8,047	8,013
Wet Water Years (30%)	7,226	6,575	3,737	1,036	365	347	478	850	1,589	3,534	6,854	8,371
Above Normal Years (11%)	8,177	8,530	7,058	2,883	960	545	645	1,158	2,722	2,407	3,773	3,364
Below Normal Years (21%)	7,857	8,045	7,497	3,580	1,742	1,436	1,492	2,377	4,464	3,884	5,200	7,135
Dry Water Years (22%)	7,942	8,901	7,572	5,369	2,452	2,114	3,098	4,487	6,397	7,856	9,344	8,795
Critical Water Years (16%)	9,372	10,018	7,552	6,123	3,737	3,323	5,318	7,654	10,346	12,894	15,174	10,614

Table 4B-6-21-1c. Montezuma Slough at Beldons Landing, Proposed Project 021624 minus Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-709	-32	-385	306	236	-94	45	153	26	134	38	-404
20% Exceedance	-1,103	-90	-196	-62	78	-220	-175	-179	-152	-82	35	-956
30% Exceedance	-469	-26	-2	57	-59	-207	-176	138	98	-72	-154	-961
40% Exceedance	-757	-220	-128	-234	-52	-80	-51	-66	26	263	239	-544
50% Exceedance	-365	-515	-136	43	-59	-121	-31	161	184	357	473	-415
60% Exceedance	-95	-506	160	-116	-2	6	-27	140	104	499	538	-1,065
70% Exceedance	-142	-654	312	55	3	3	31	30	9	-33	364	-1,520
80% Exceedance	-570	-295	148	26	-1	1	-7	54	4	215	243	-971
90% Exceedance	-4,372	63	9	-2	0	0	1	13	9	18	642	-2,772
Full Simulation Period Average[a]	-1,115	-240	0	11	-15	-76	-64	49	59	158	217	-1,059
Wet Water Years (30%)	-950	-208	-6	-4	-3	2	22	97	86	-43	129	290
Above Normal Years (11%)	-542	-269	19	37	-10	-14	-8	76	97	387	580	-2,884
Below Normal Years (21%)	-1,238	-208	198	-47	98	10	-78	84	178	480	293	-2,930
Dry Water Years (22%)	-1,770	-305	-36	169	-140	-124	-123	-92	-178	78	220	-986
Critical Water Years (16%)	-756	-231	-213	-121	-17	-311	-164	89	150	67	26	21

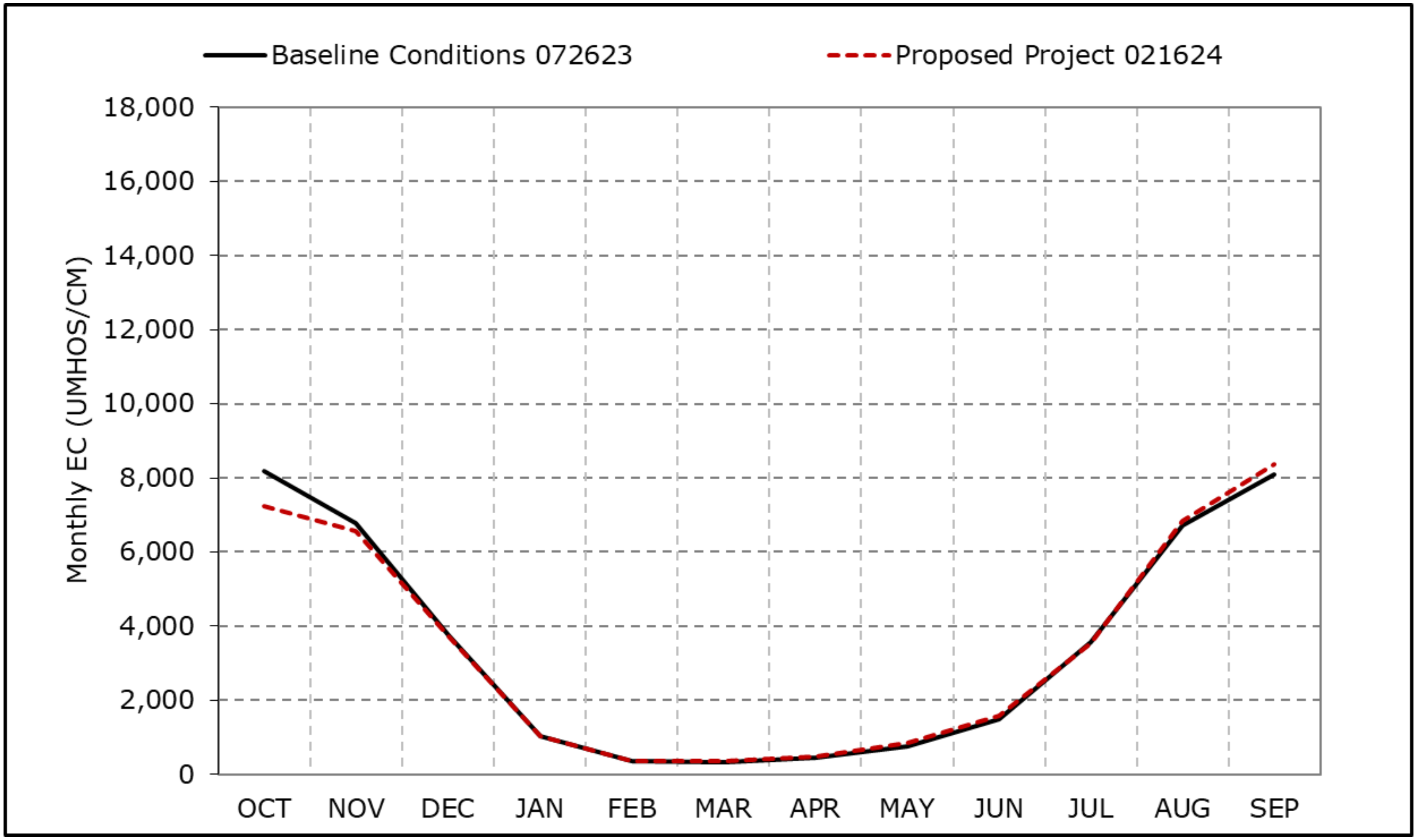
[a] Based on the 100-year simulation period.
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-6-21a. Montezuma Slough at Beldons Landing, Long-Term Average EC



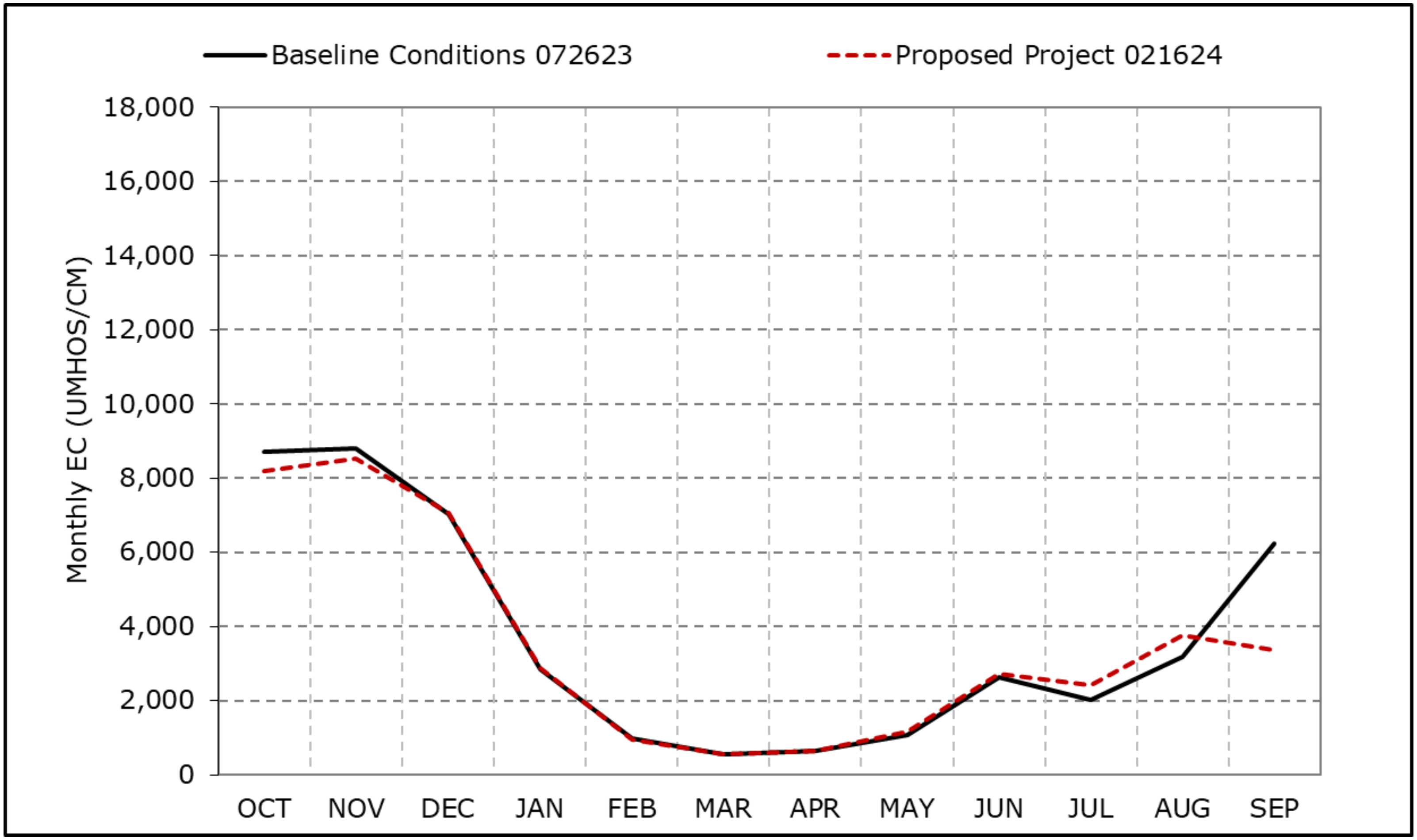
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-21b. Montezuma Slough at Beldons Landing, Wet Year Average EC



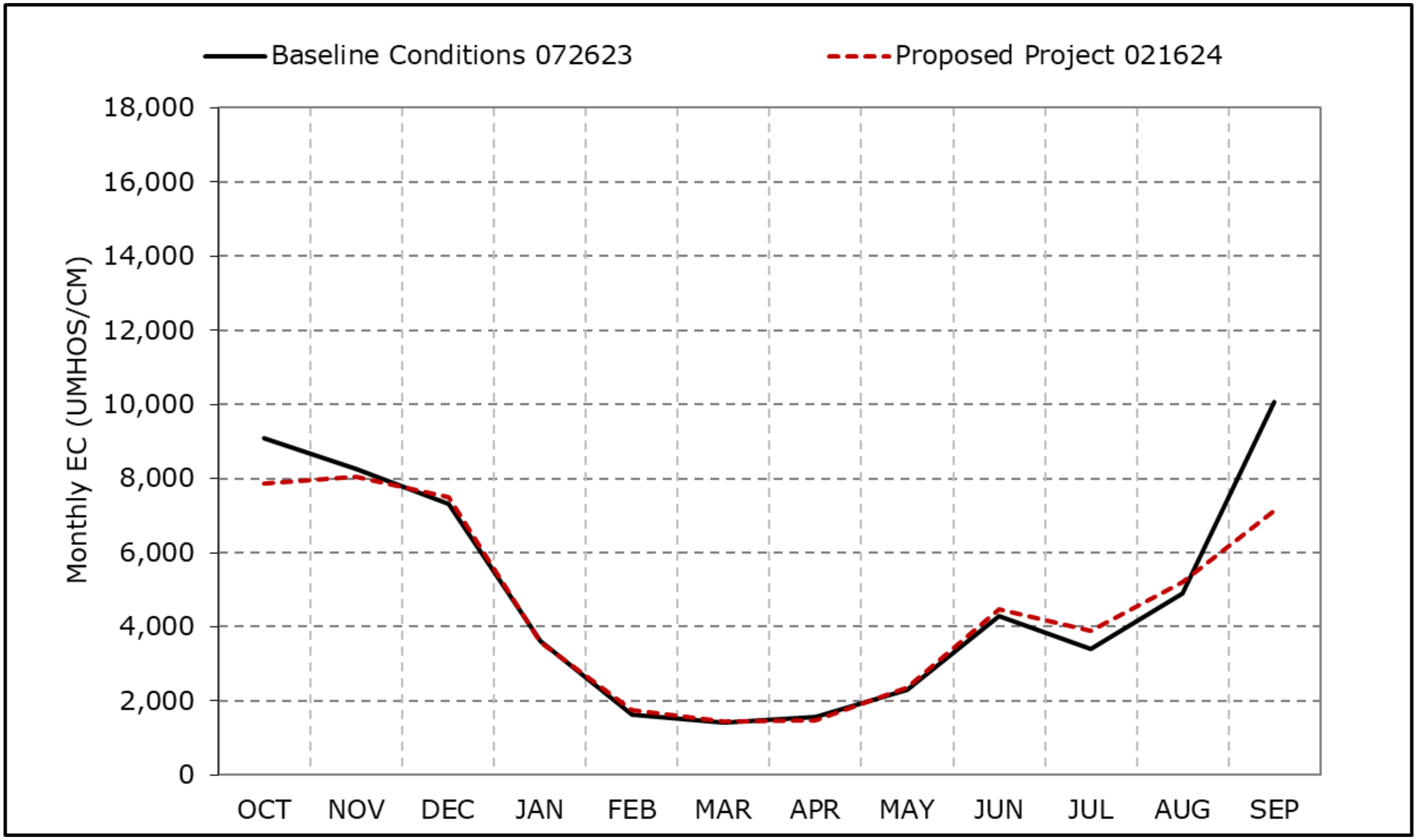
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-21c. Montezuma Slough at Beldons Landing, Above Normal Year Average EC



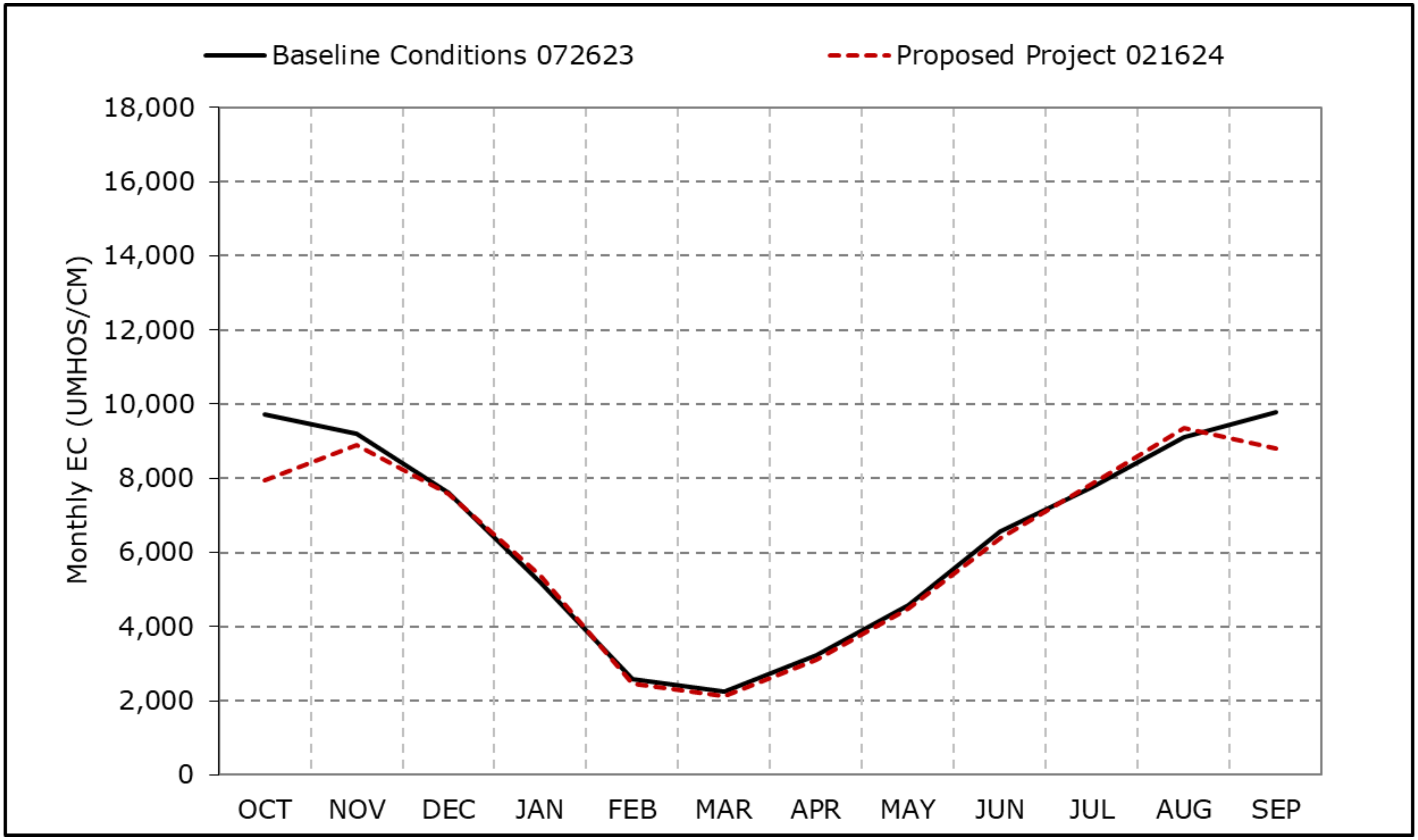
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-21d. Montezuma Slough at Beldons Landing, Below Normal Year Average EC



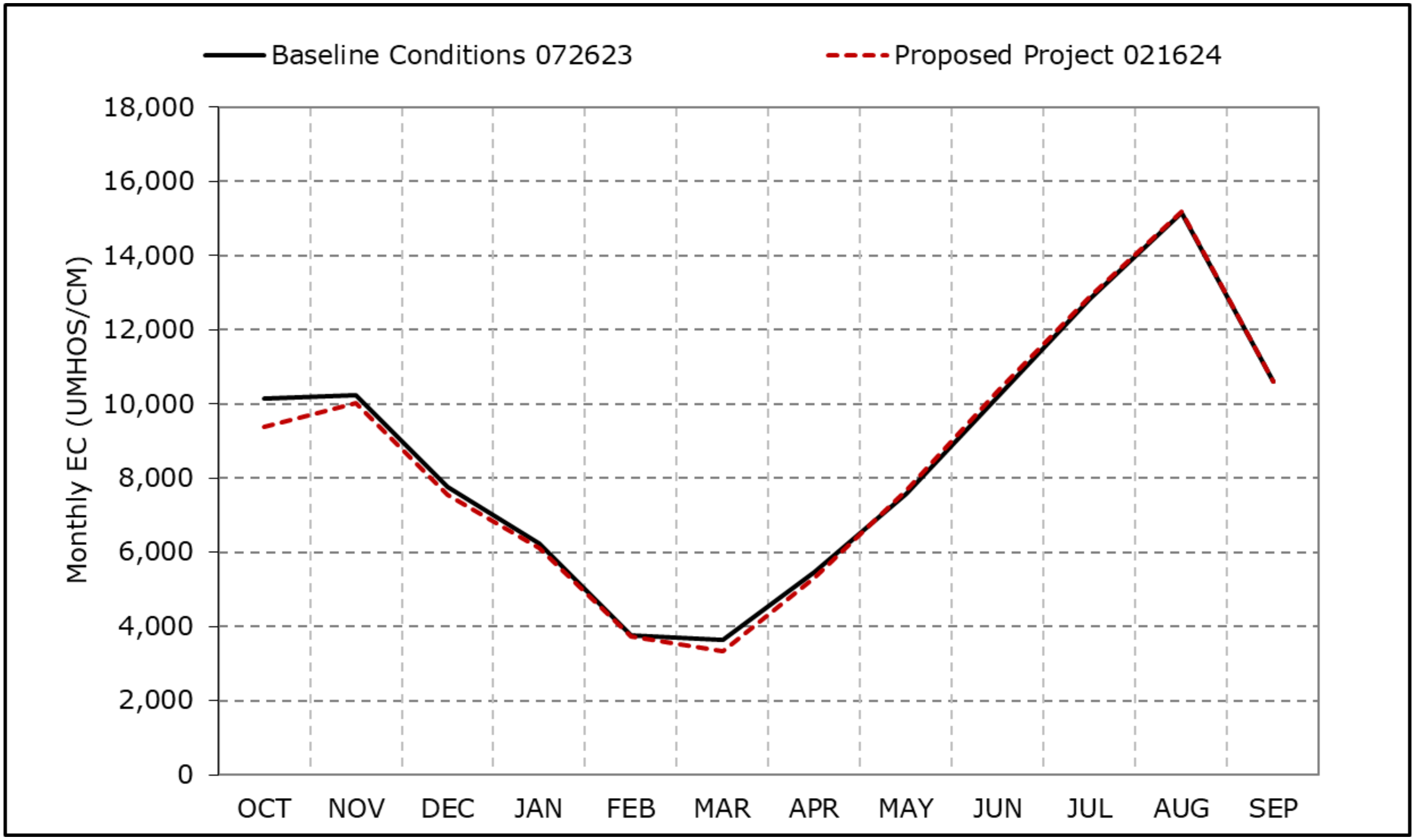
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-21e. Montezuma Slough at Beldons Landing, Dry Year Average EC



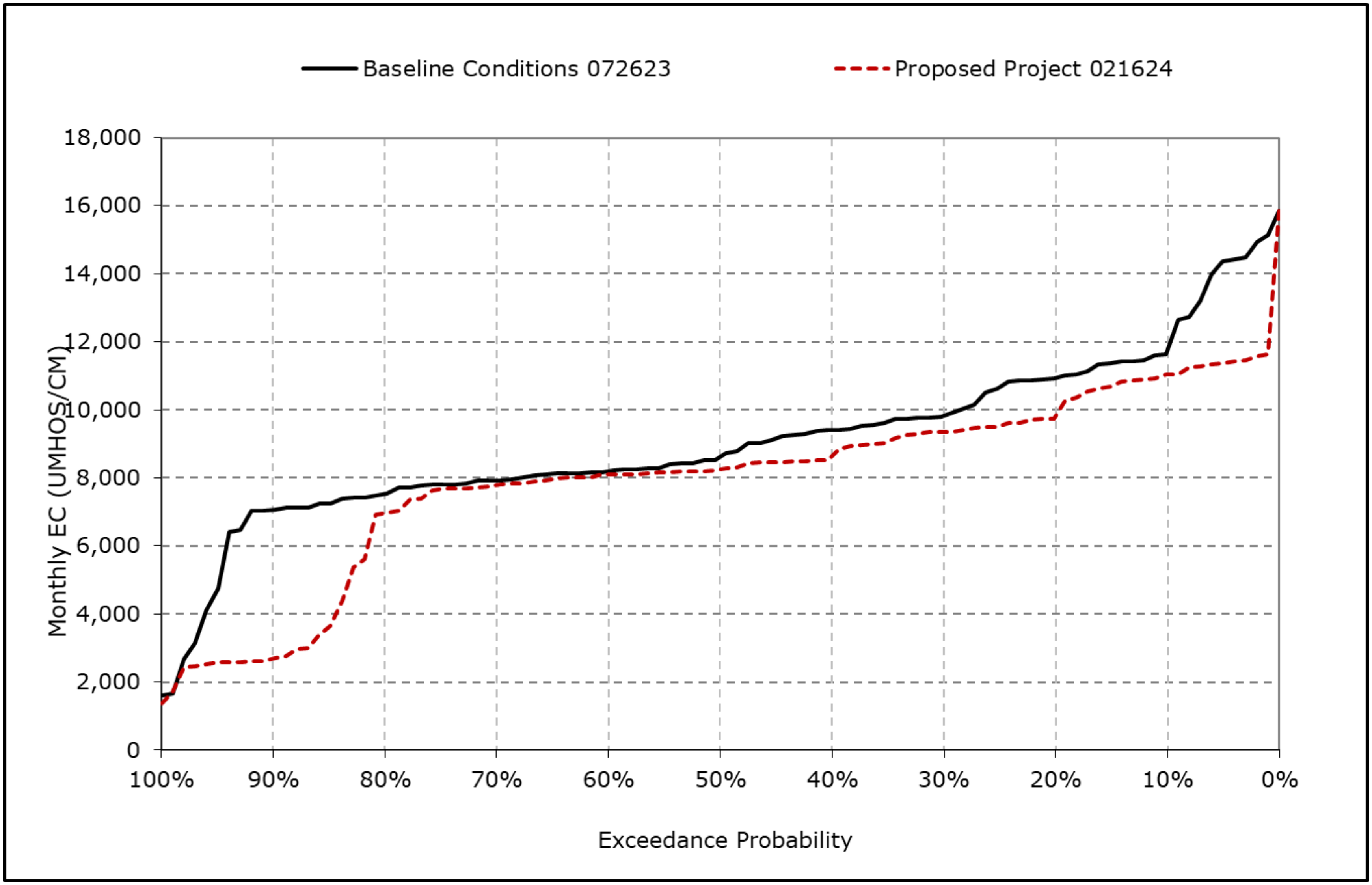
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-21f. Montezuma Slough at Beldons Landing, Critical Year Average EC



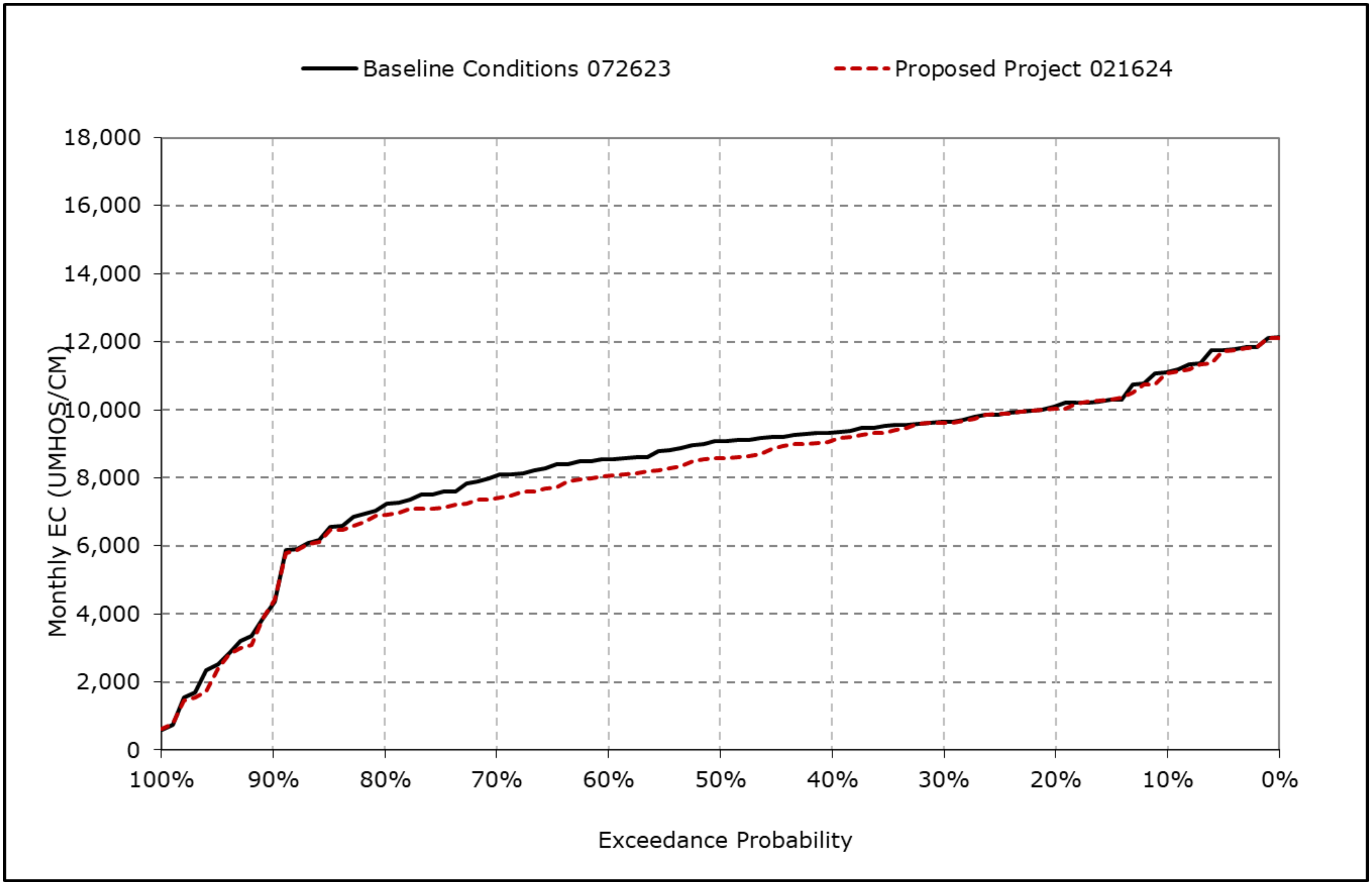
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-21g. Montezuma Slough at Beldons Landing, October EC



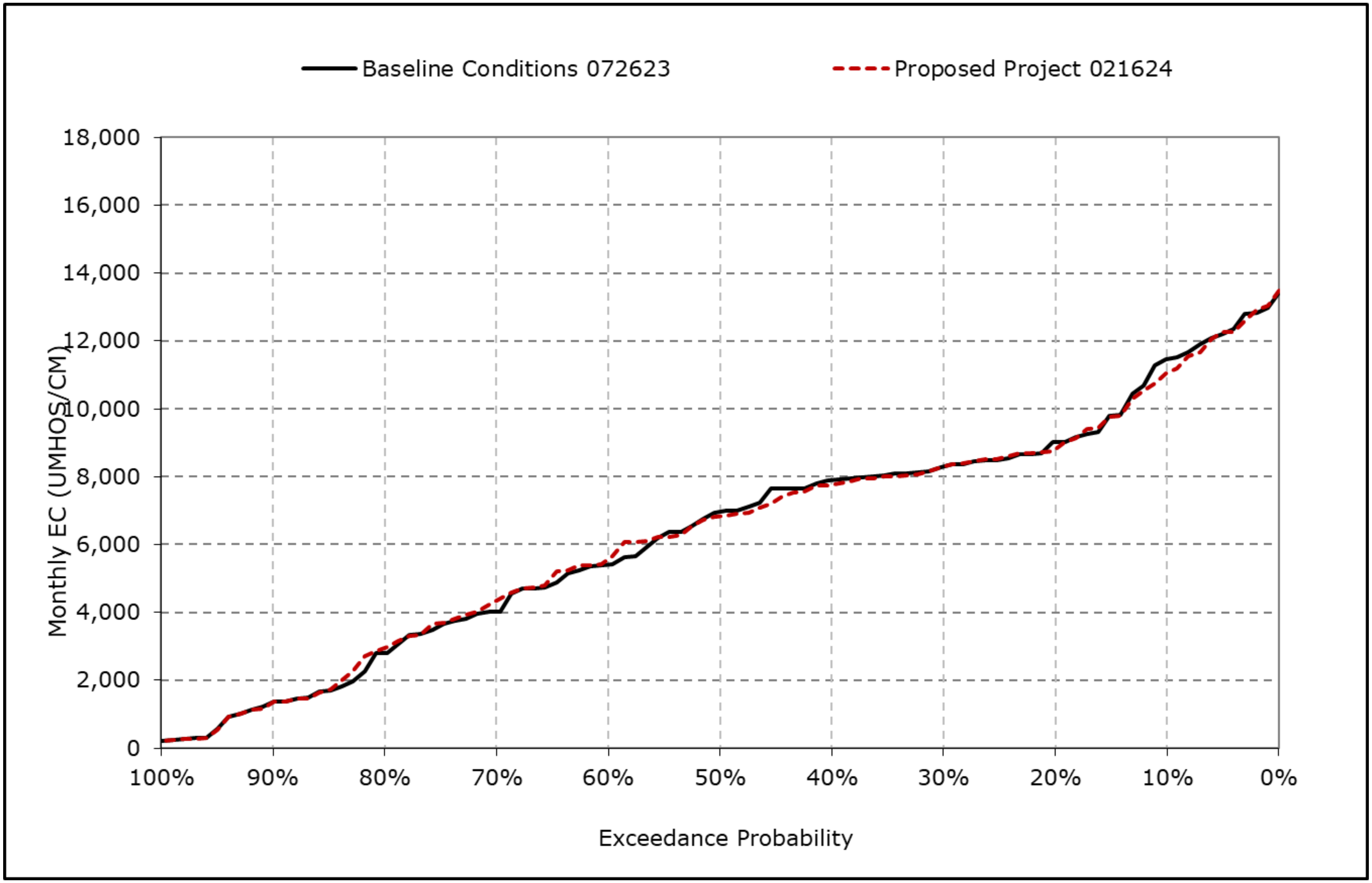
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-21h. Montezuma Slough at Beldons Landing, November EC



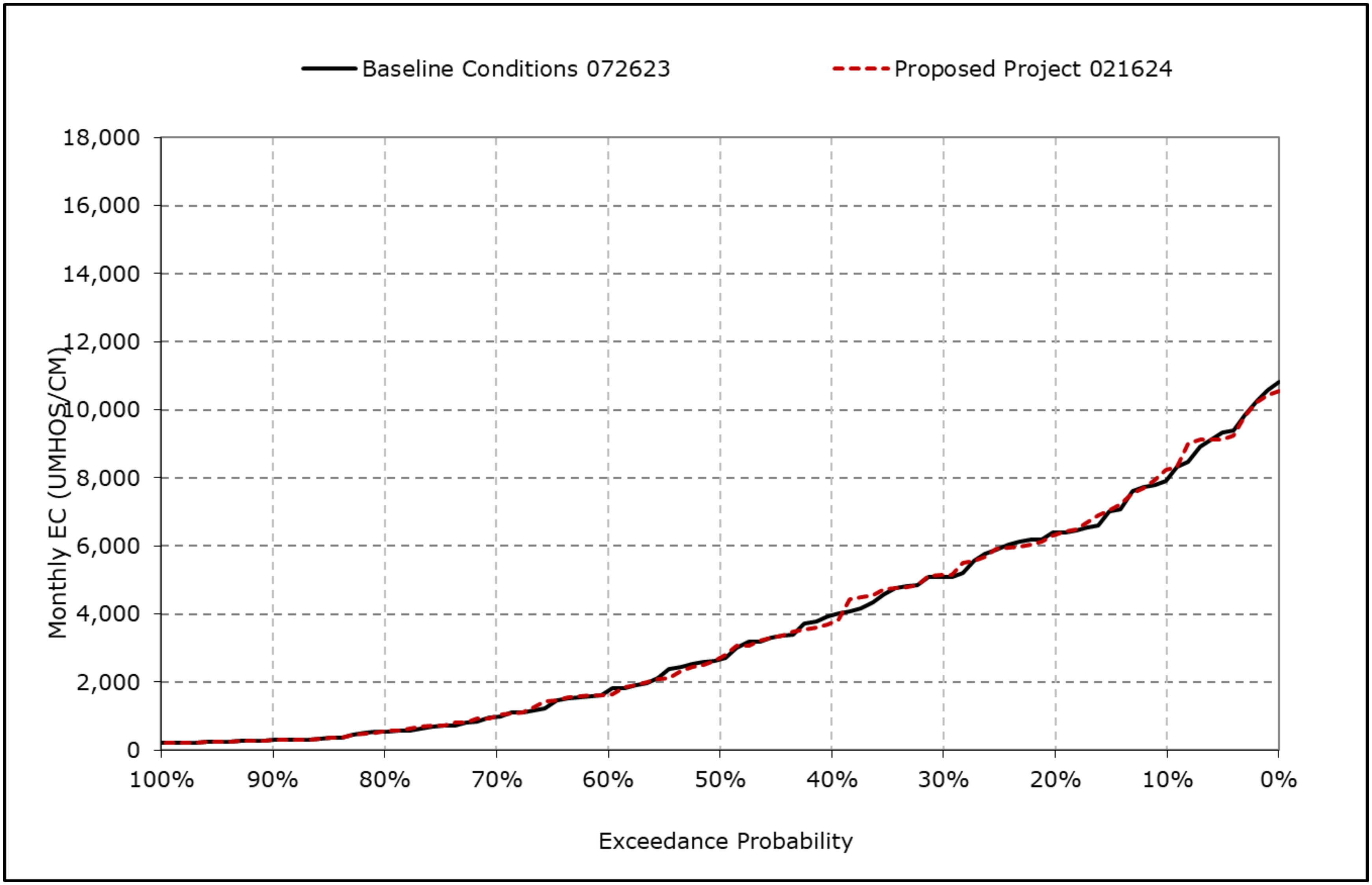
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-21i. Montezuma Slough at Beldons Landing, December EC



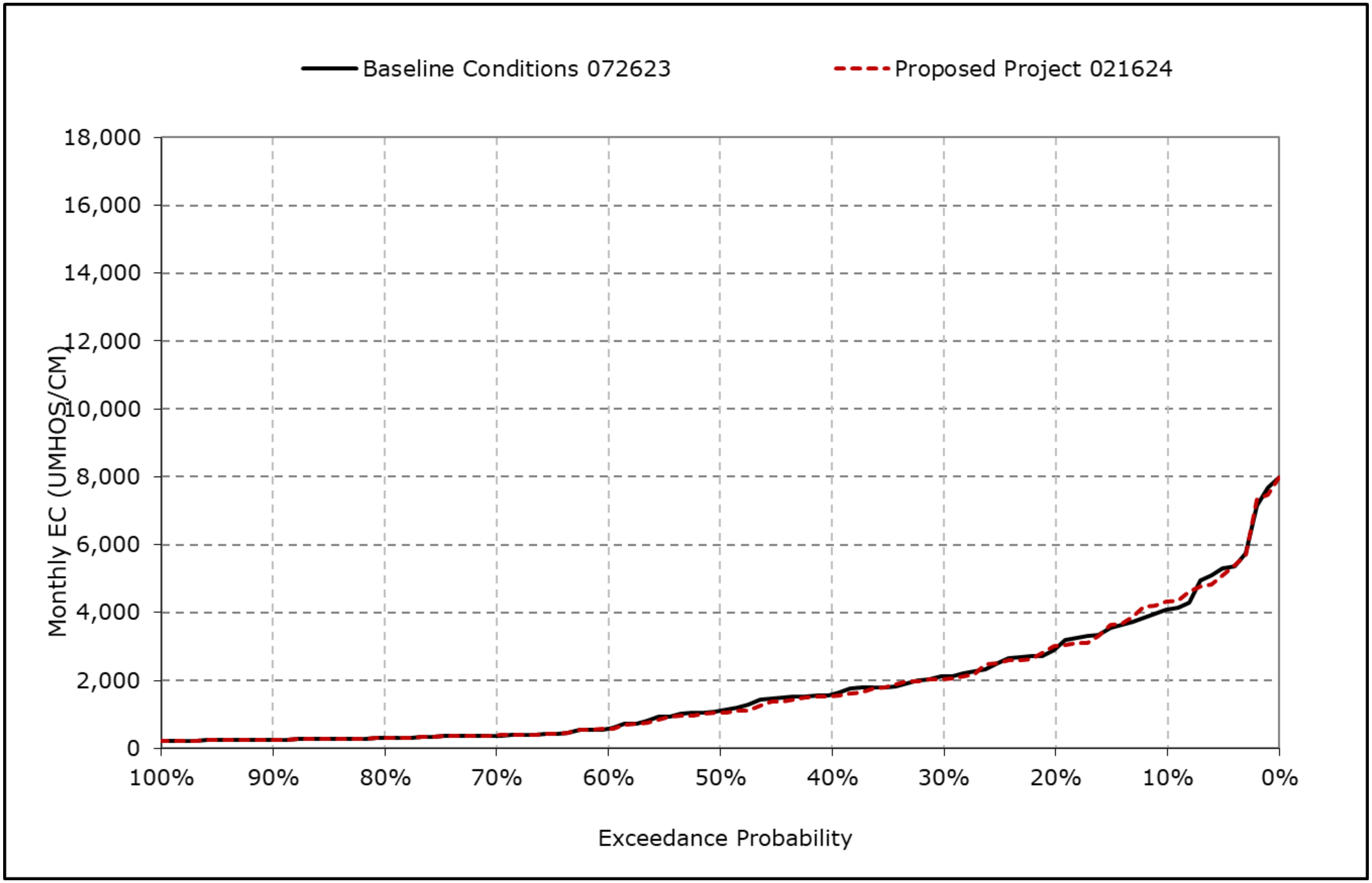
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-21j. Montezuma Slough at Beldons Landing, January EC



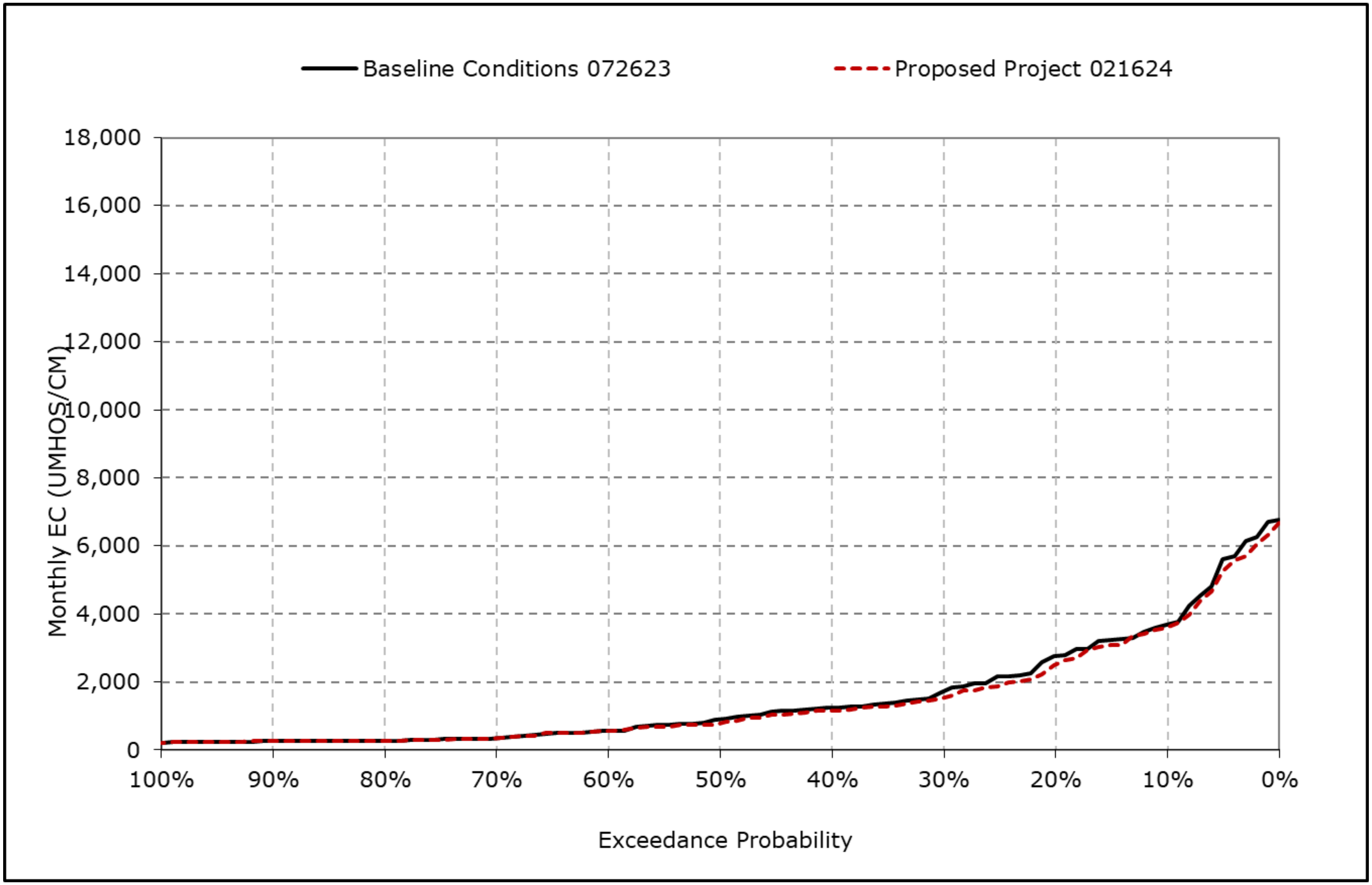
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-21k. Montezuma Slough at Beldons Landing, February EC



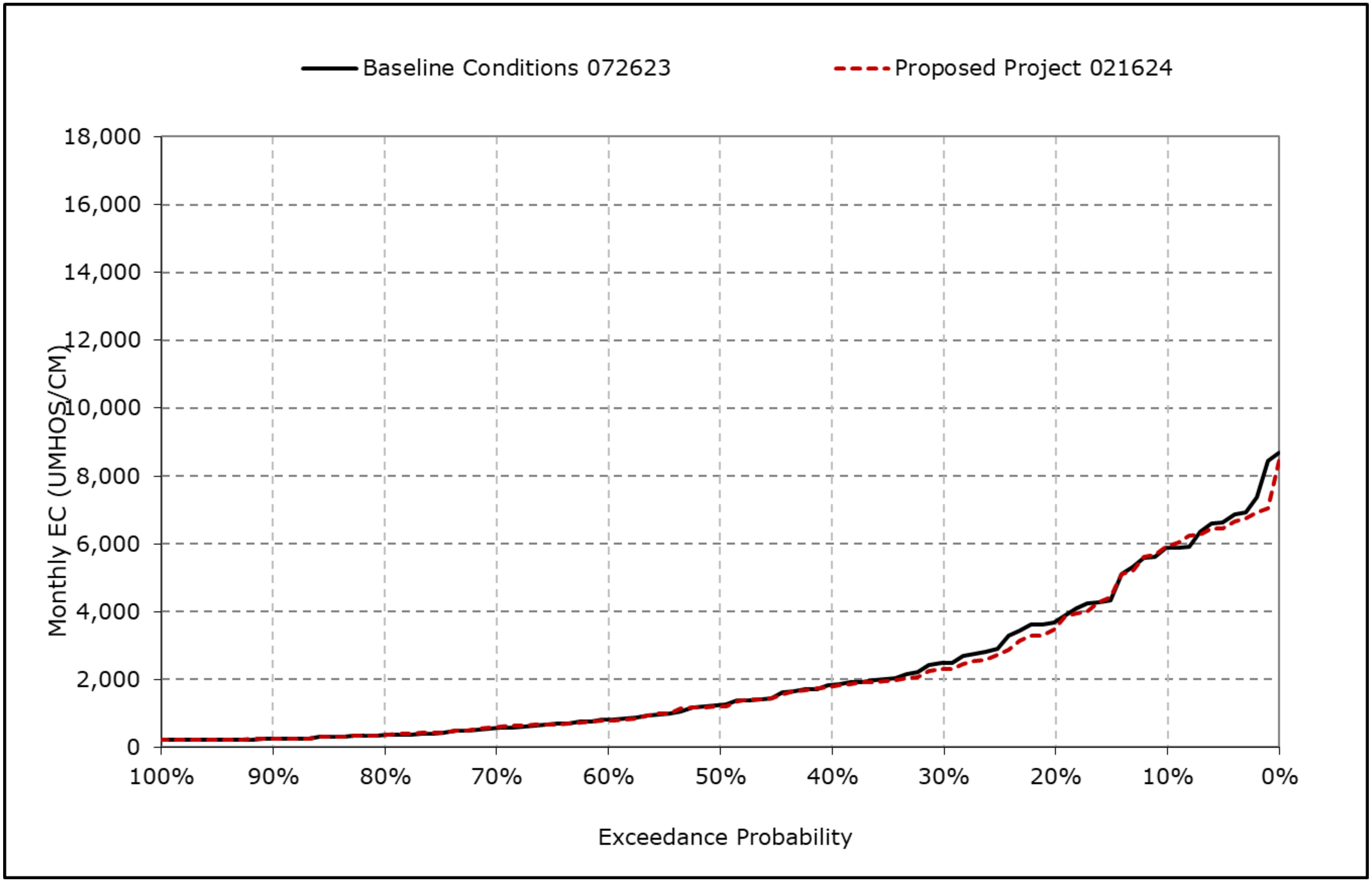
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-21l. Montezuma Slough at Beldons Landing, March EC



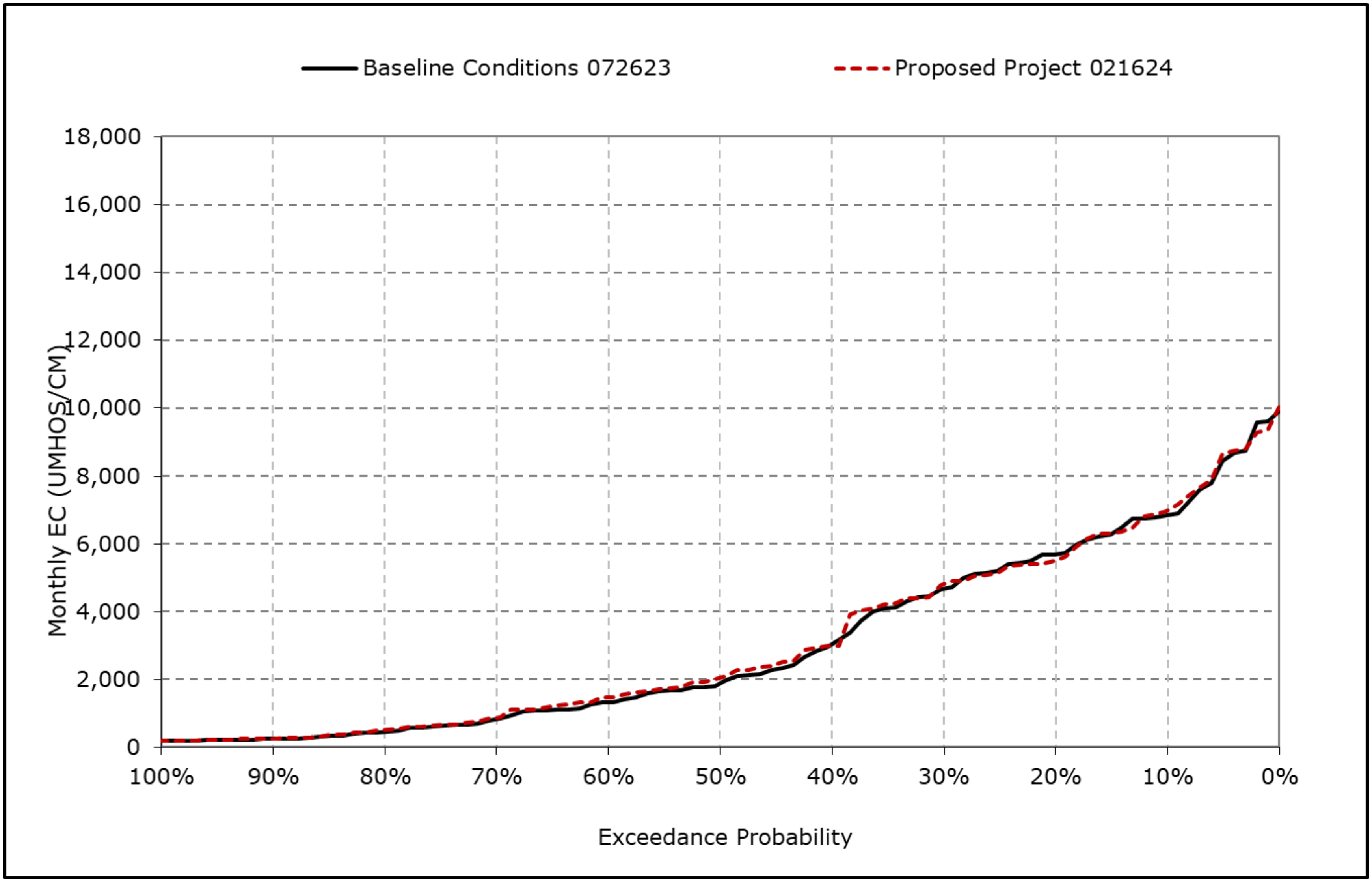
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-21m. Montezuma Slough at Beldons Landing, April EC



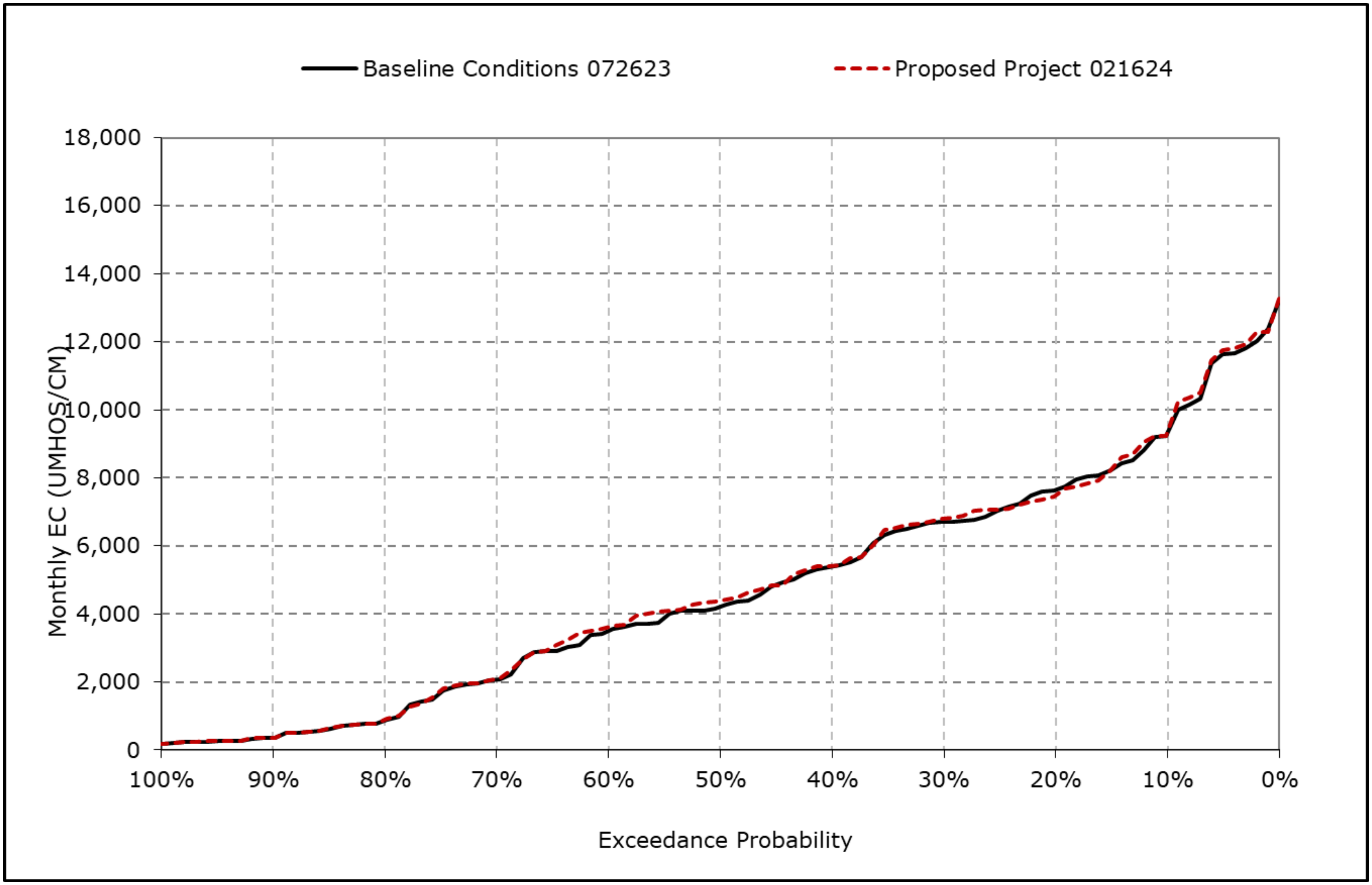
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-21n. Montezuma Slough at Beldons Landing, May EC



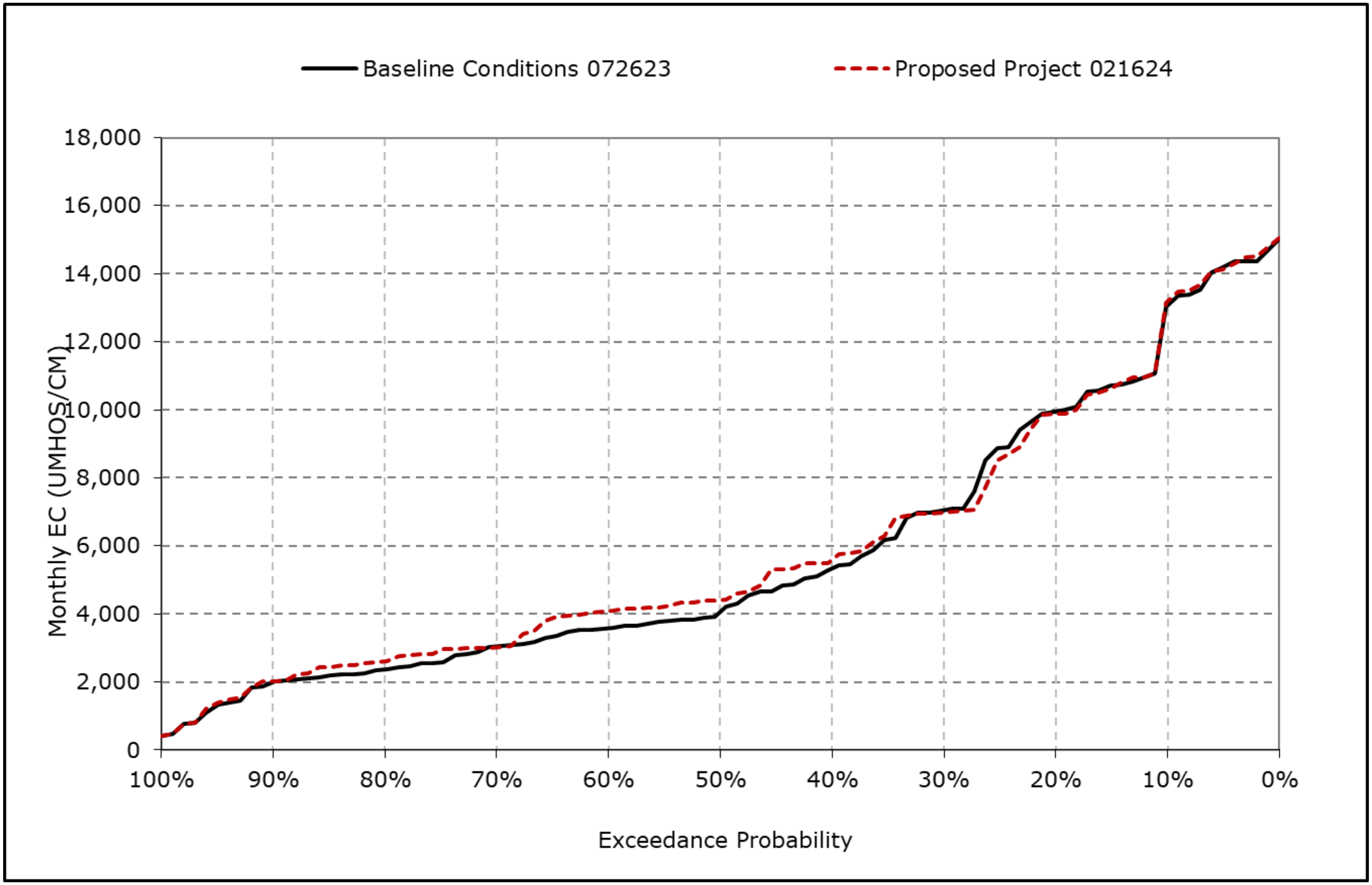
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-21o. Montezuma Slough at Beldons Landing, June EC



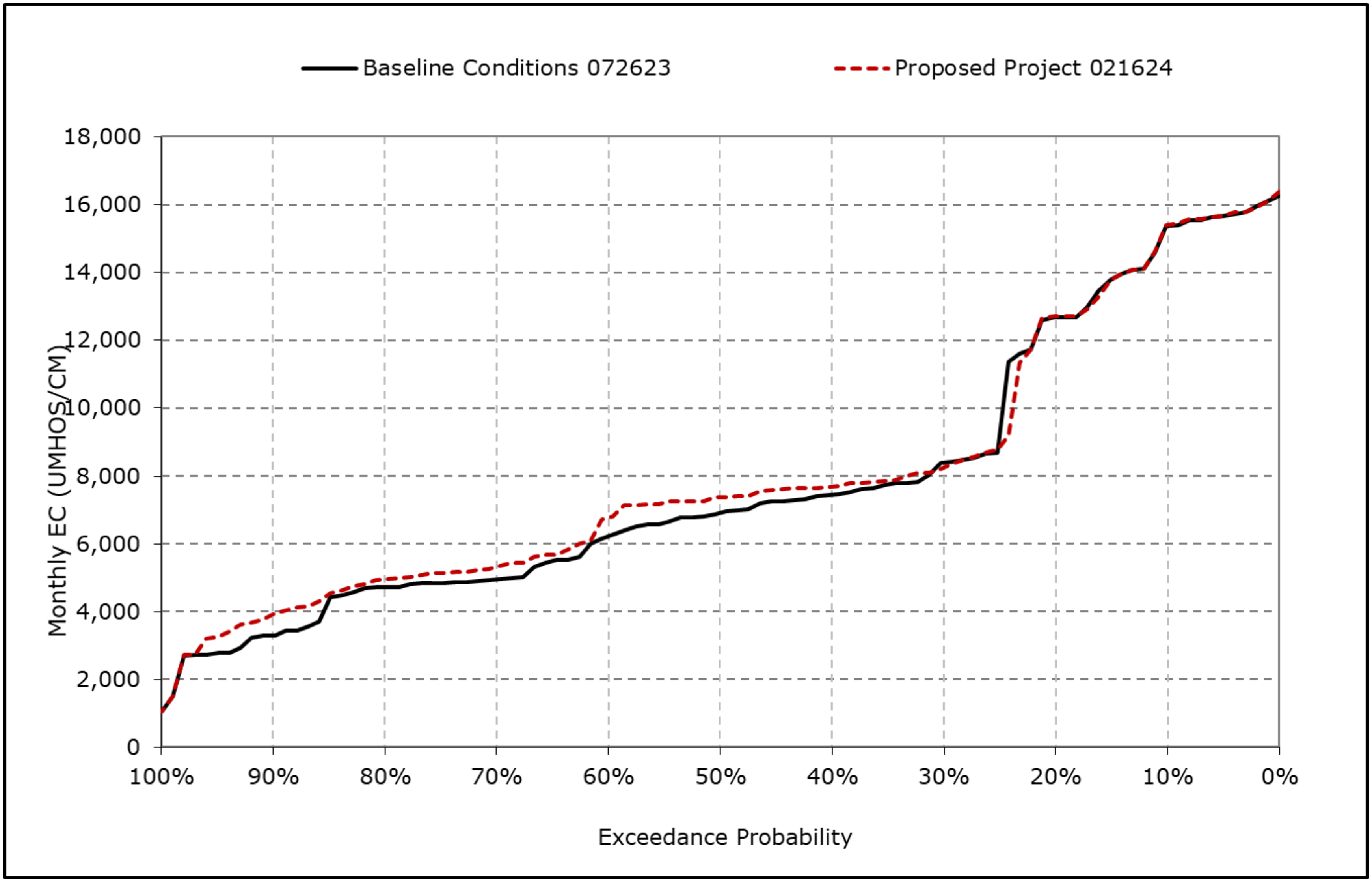
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-21p. Montezuma Slough at Beldons Landing, July EC



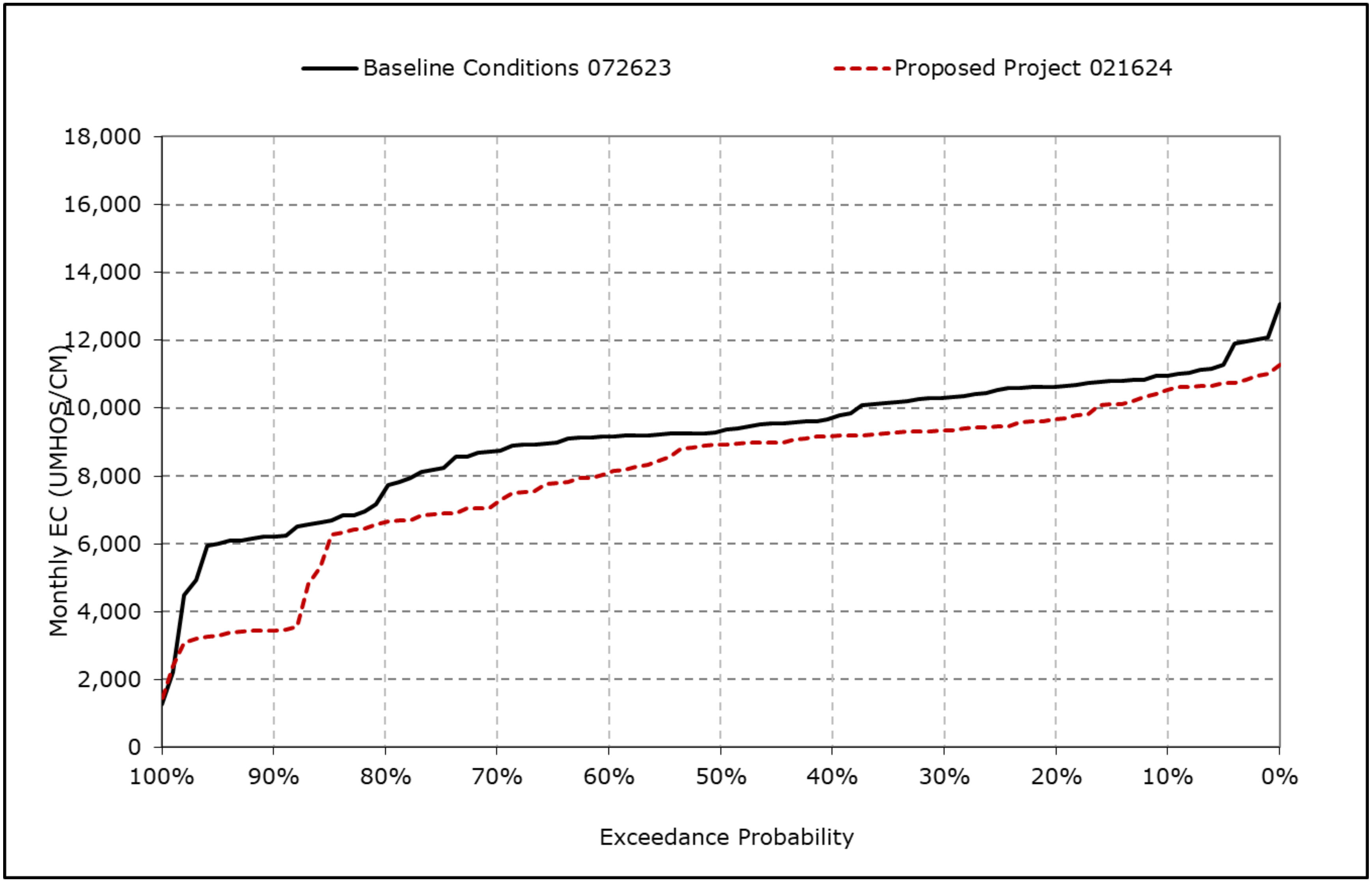
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-21q. Montezuma Slough at Beldons Landing, August EC



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

Figure 4B-6-21r. Montezuma Slough at Beldons Landing, September EC



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

Table 4B-6-22-1a. Montezuma Slough at National Steel, Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	11,167	10,993	8,958	6,378	3,255	2,578	3,576	4,484	6,717	10,174	11,756	10,217
20% Exceedance	10,115	9,645	8,433	4,782	1,923	1,493	2,045	3,461	5,233	6,958	9,404	9,739
30% Exceedance	9,554	8,733	8,066	3,846	1,206	664	1,227	2,711	4,556	5,412	7,147	9,039
40% Exceedance	9,153	8,139	6,869	2,771	752	556	818	1,573	3,919	4,289	5,786	8,556
50% Exceedance	8,389	7,252	5,563	1,744	484	416	585	920	2,738	3,650	5,269	7,670
60% Exceedance	4,820	6,947	3,787	1,101	317	267	352	624	2,139	3,290	5,089	5,450
70% Exceedance	4,654	6,358	2,242	402	226	218	275	376	1,285	2,414	4,899	5,133
80% Exceedance	4,343	4,894	1,114	241	208	205	218	228	389	1,904	4,443	4,794
90% Exceedance	3,994	2,595	583	197	196	198	193	186	205	1,492	3,473	3,708
Full Simulation Period Average[a]	7,289	7,157	5,044	2,607	1,153	897	1,223	1,852	3,254	4,485	6,389	7,075
Wet Water Years (30%)	6,210	5,340	2,139	603	231	222	268	416	913	2,227	4,398	4,449
Above Normal Years (11%)	7,205	7,487	5,204	1,438	388	282	306	510	1,626	1,994	3,373	3,800
Below Normal Years (21%)	6,917	6,722	6,011	2,625	947	628	743	1,196	2,908	3,334	5,177	8,012
Dry Water Years (22%)	7,550	7,849	6,391	4,043	1,725	1,267	1,779	2,659	4,475	6,107	7,877	9,025
Critical Water Years (16%)	9,501	9,957	7,259	5,173	2,890	2,428	3,509	5,217	7,537	9,711	11,740	10,341

Table 4B-6-22-1b. Montezuma Slough at National Steel, Proposed Project 021624, Monthly EC (UMHOS/CM)

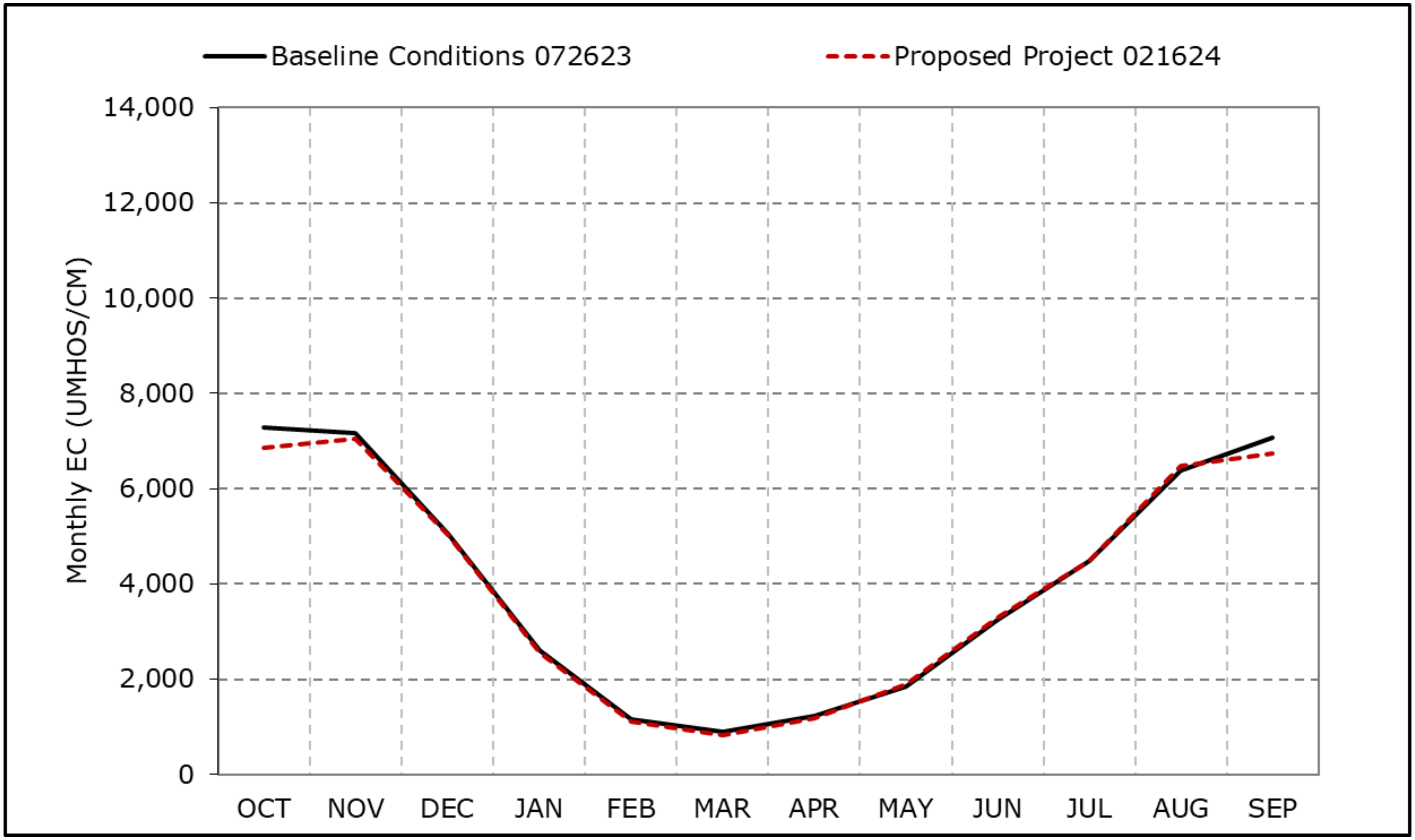
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	11,108	11,005	8,881	6,358	3,074	2,275	3,651	4,631	6,938	10,282	11,801	10,218
20% Exceedance	9,792	9,667	8,445	4,993	1,857	1,328	1,987	3,369	5,174	6,876	9,427	9,391
30% Exceedance	9,315	8,757	7,903	3,763	1,177	618	1,184	2,795	4,585	5,372	7,271	8,781
40% Exceedance	8,583	8,113	6,842	2,750	746	497	781	1,592	3,815	4,262	5,881	7,480
50% Exceedance	7,463	7,252	5,719	1,557	489	398	589	983	2,825	3,627	5,327	6,594
60% Exceedance	4,907	6,918	3,849	1,124	314	268	345	674	2,179	3,370	5,116	5,493
70% Exceedance	4,671	5,764	2,272	404	226	218	280	408	1,270	2,451	4,939	5,213
80% Exceedance	4,221	4,762	1,155	235	209	206	219	234	382	1,931	4,634	4,981
90% Exceedance	2,280	2,624	590	197	196	198	194	188	204	1,441	3,581	2,707
Full Simulation Period Average[a]	6,863	7,058	5,026	2,569	1,106	834	1,185	1,894	3,288	4,493	6,474	6,729
Wet Water Years (30%)	5,920	5,279	2,151	591	231	223	281	478	948	2,206	4,568	4,625
Above Normal Years (11%)	7,077	7,317	5,283	1,451	388	276	304	559	1,655	2,044	3,628	2,682
Below Normal Years (21%)	6,374	6,658	6,049	2,549	977	614	701	1,271	2,994	3,351	5,089	6,896
Dry Water Years (22%)	6,783	7,719	6,370	4,134	1,609	1,139	1,682	2,605	4,398	6,096	7,971	8,819
Critical Water Years (16%)	9,234	9,830	7,049	4,919	2,717	2,234	3,439	5,304	7,662	9,760	11,765	10,363

Table 4B-6-22-1c. Montezuma Slough at National Steel, Proposed Project 021624 minus Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-59	12	-77	-20	-181	-303	76	147	222	108	45	2
20% Exceedance	-323	22	12	210	-66	-164	-58	-92	-59	-82	23	-348
30% Exceedance	-239	24	-164	-84	-29	-45	-43	84	29	-40	125	-258
40% Exceedance	-570	-26	-28	-21	-6	-59	-37	19	-103	-28	95	-1,076
50% Exceedance	-926	0	156	-187	5	-18	4	62	88	-23	58	-1,076
60% Exceedance	87	-29	62	23	-2	2	-6	50	40	81	27	43
70% Exceedance	16	-594	30	2	0	0	5	32	-15	38	40	80
80% Exceedance	-122	-131	41	-7	1	0	0	6	-7	27	190	187
90% Exceedance	-1,714	29	7	0	0	0	0	2	-1	-52	108	-1,001
Full Simulation Period Average[a]	-426	-99	-18	-39	-47	-63	-38	42	34	8	85	-346
Wet Water Years (30%)	-289	-62	13	-12	0	0	13	62	35	-21	170	176
Above Normal Years (11%)	-128	-170	79	13	-1	-6	-2	49	28	50	255	-1,118
Below Normal Years (21%)	-543	-63	38	-76	30	-14	-42	75	85	17	-89	-1,116
Dry Water Years (22%)	-767	-130	-21	91	-116	-127	-97	-54	-78	-10	93	-207
Critical Water Years (16%)	-266	-127	-210	-253	-173	-194	-70	86	125	49	25	23

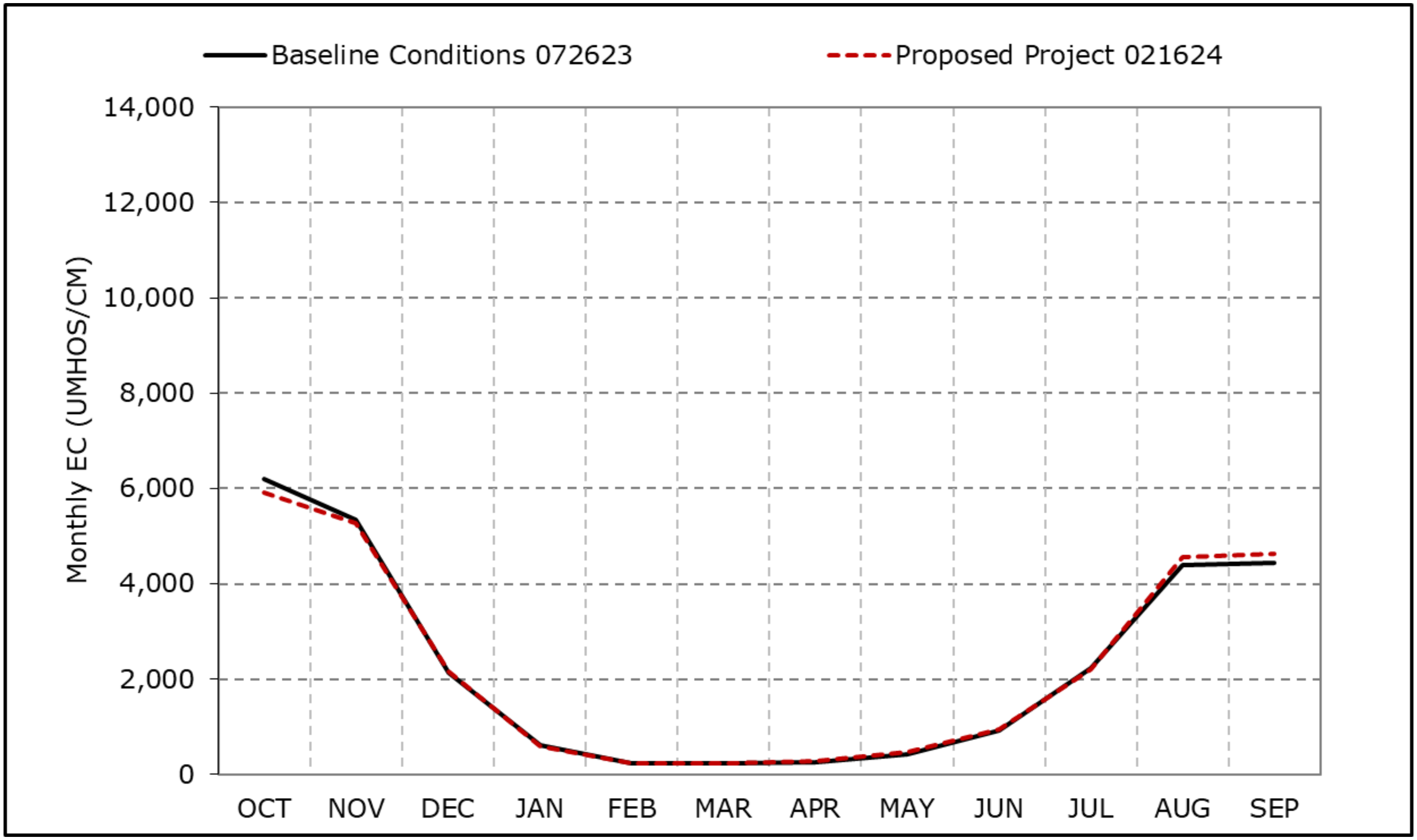
[a] Based on the 100-year simulation period.
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-6-22a. Montezuma Slough at National Steel, Long-Term Average EC



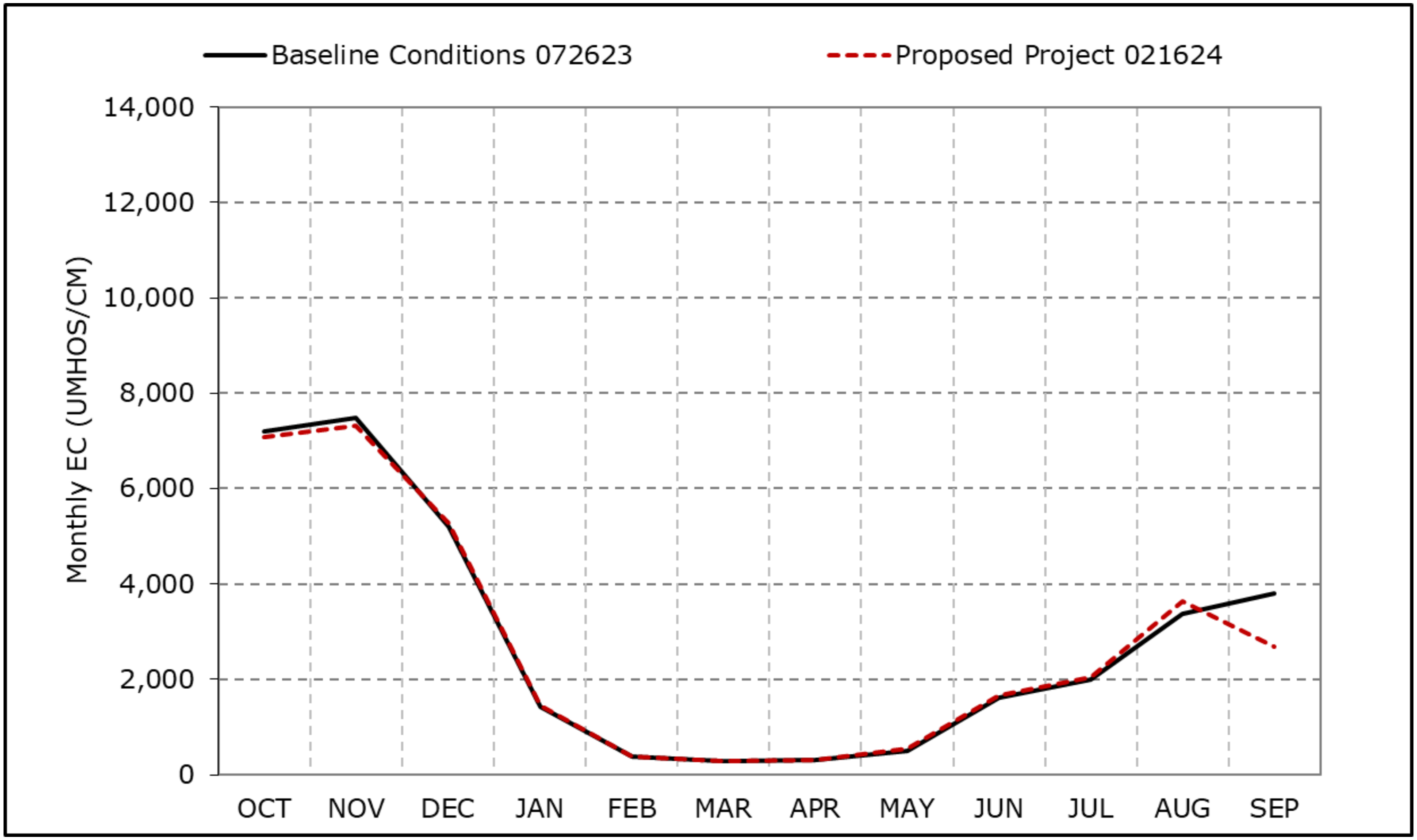
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-22b. Montezuma Slough at National Steel, Wet Year Average EC



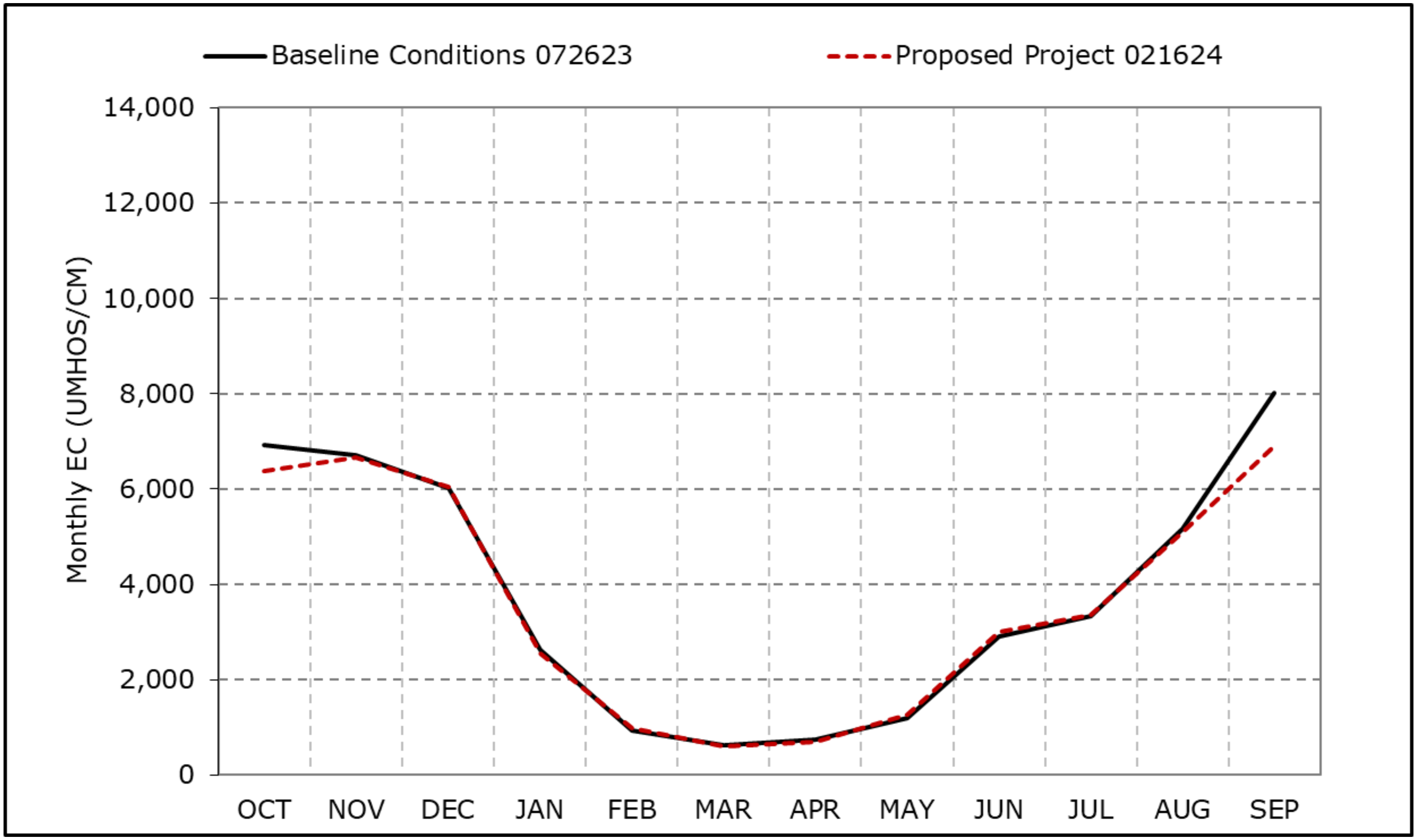
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-22c. Montezuma Slough at National Steel, Above Normal Year Average EC



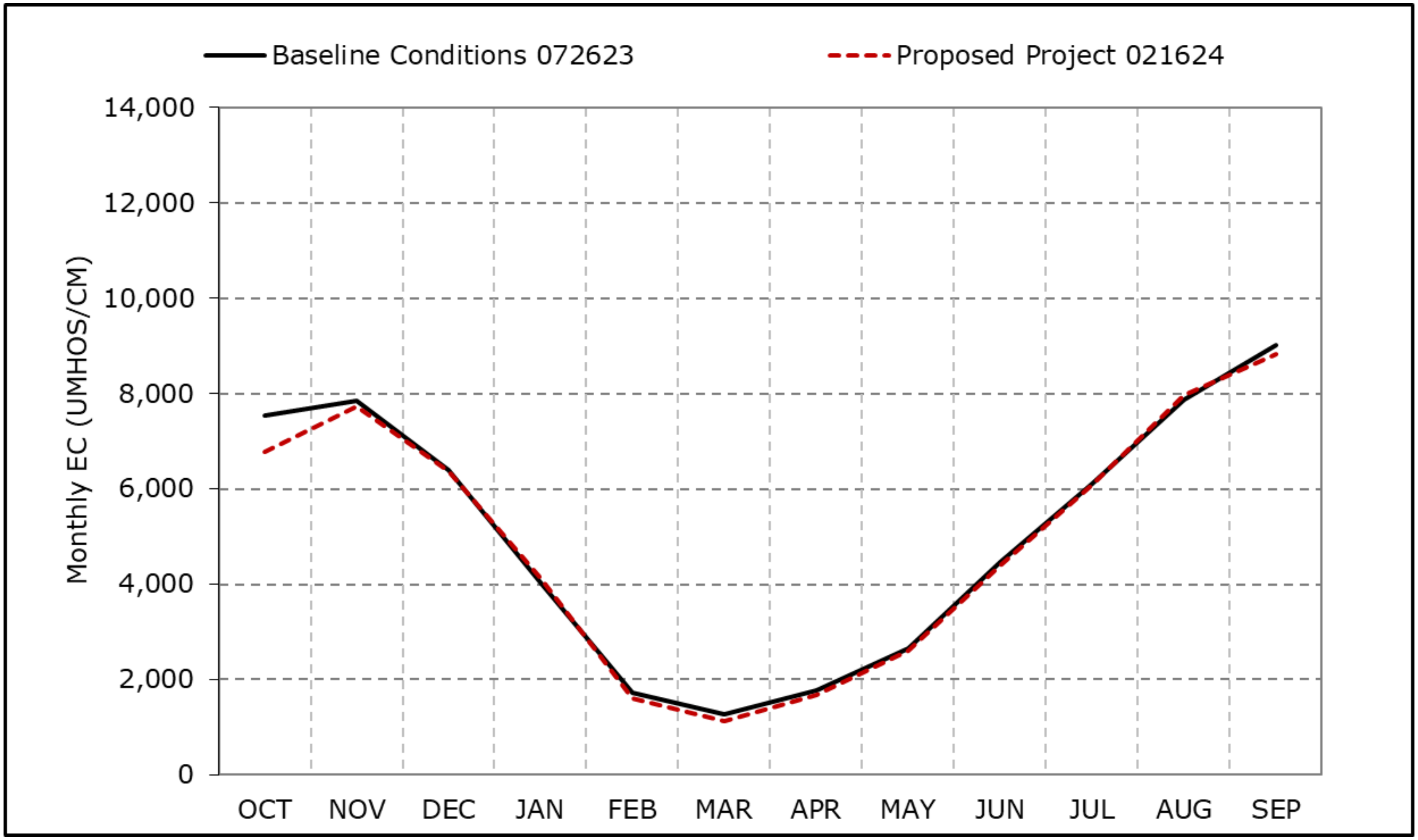
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-22d. Montezuma Slough at National Steel, Below Normal Year Average EC



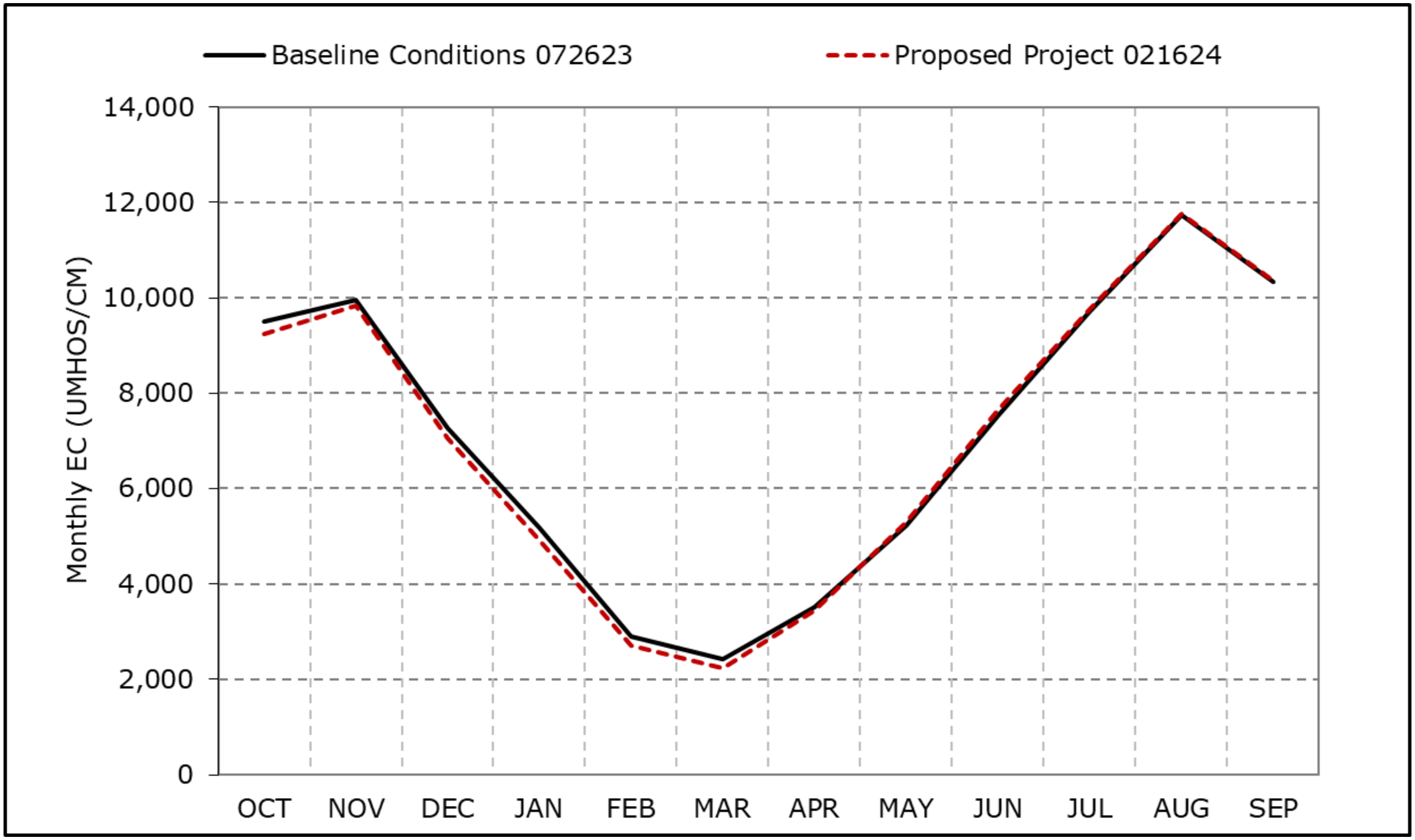
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-22e. Montezuma Slough at National Steel, Dry Year Average EC



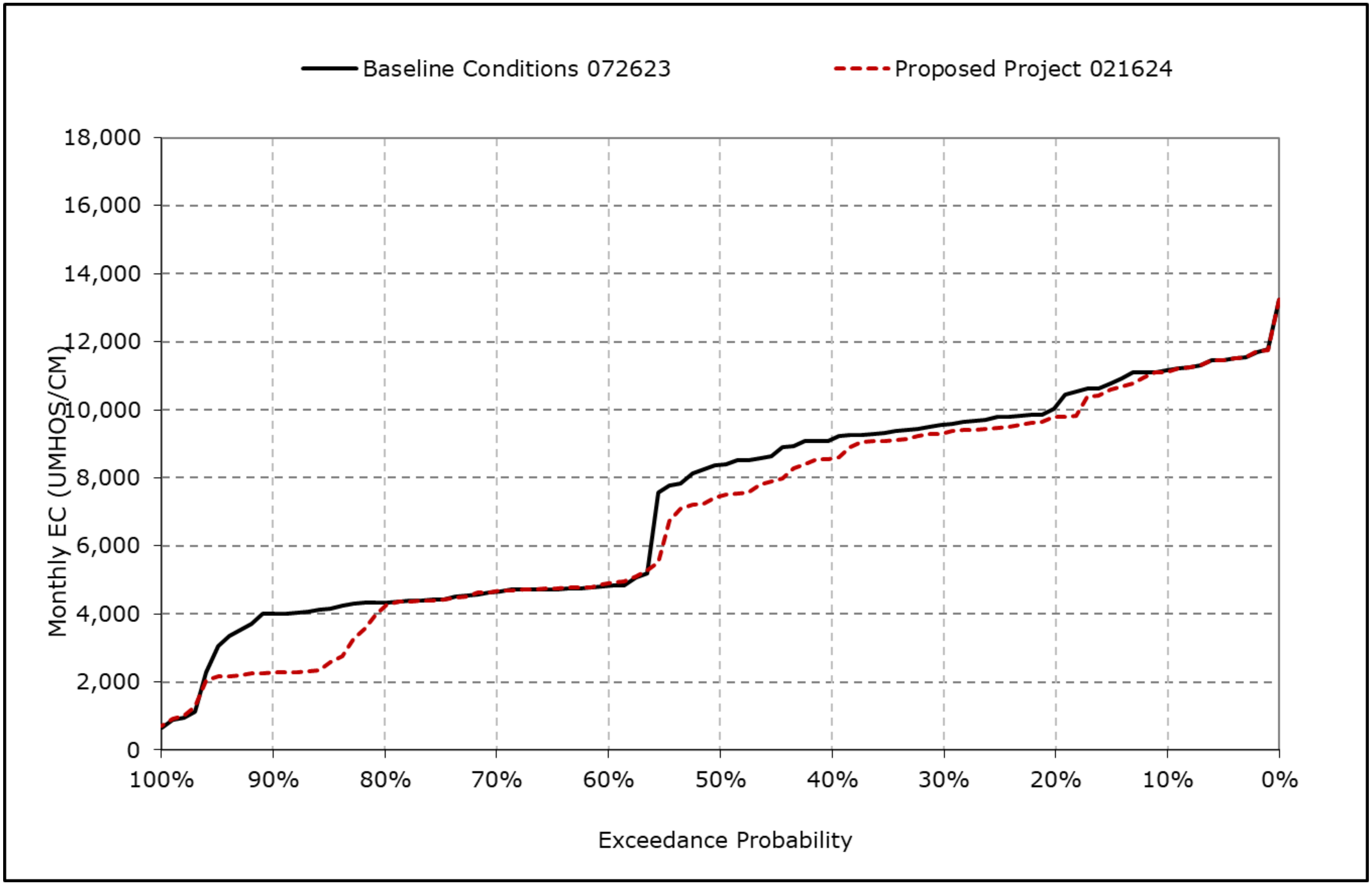
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-22f. Montezuma Slough at National Steel, Critical Year Average EC



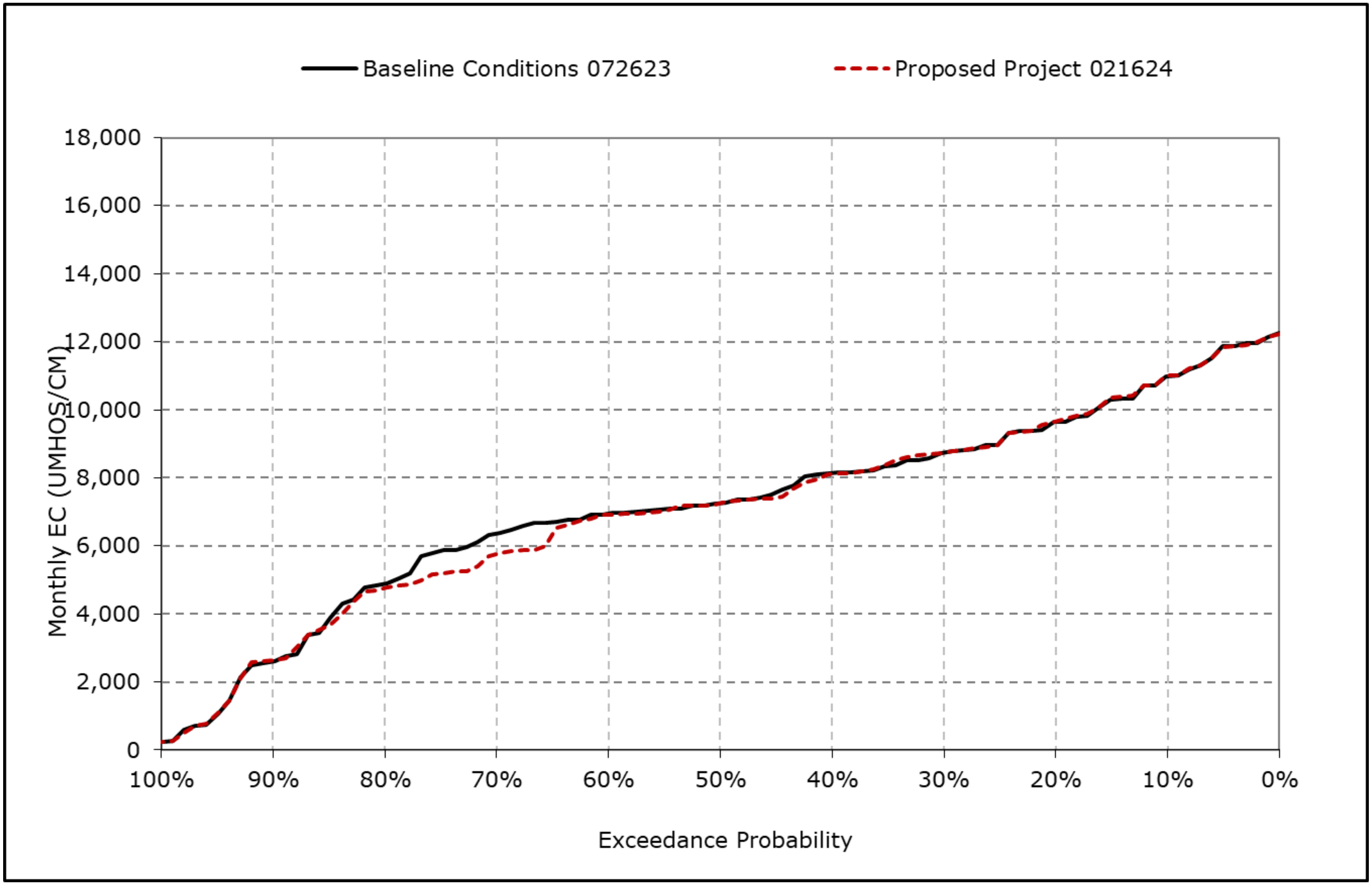
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-22g. Montezuma Slough at National Steel, October EC



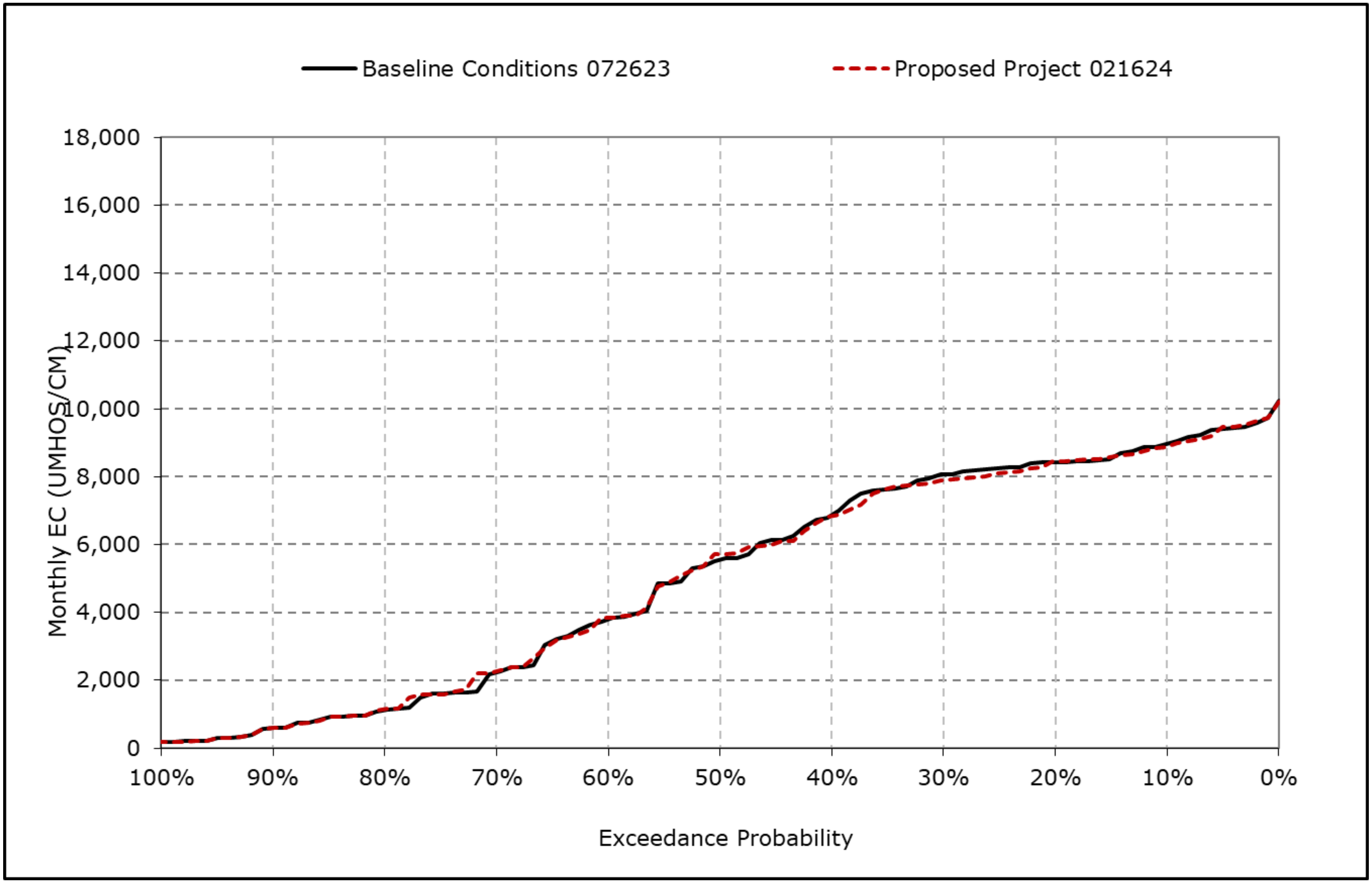
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-22h. Montezuma Slough at National Steel, November EC



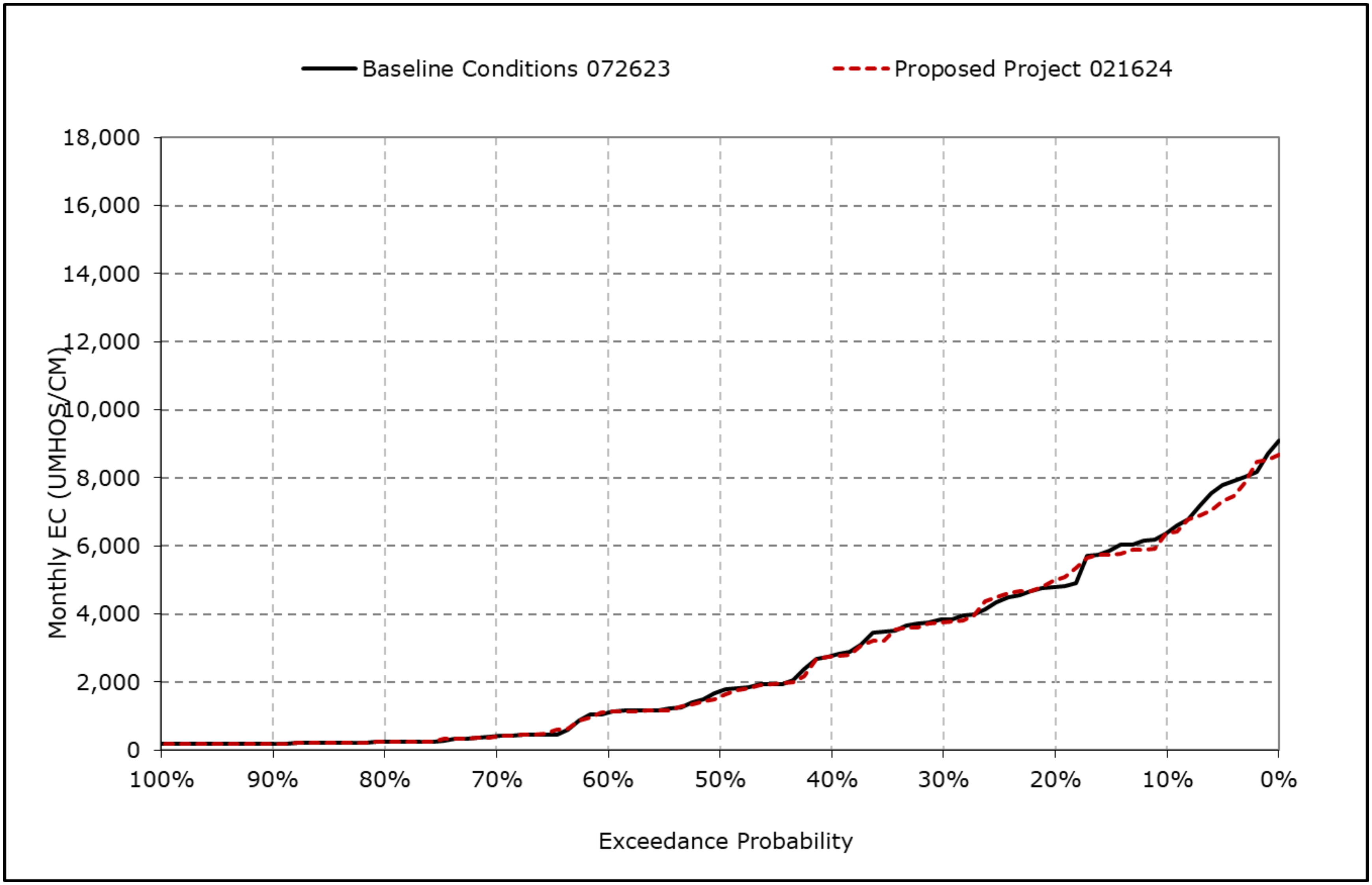
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-22i. Montezuma Slough at National Steel, December EC



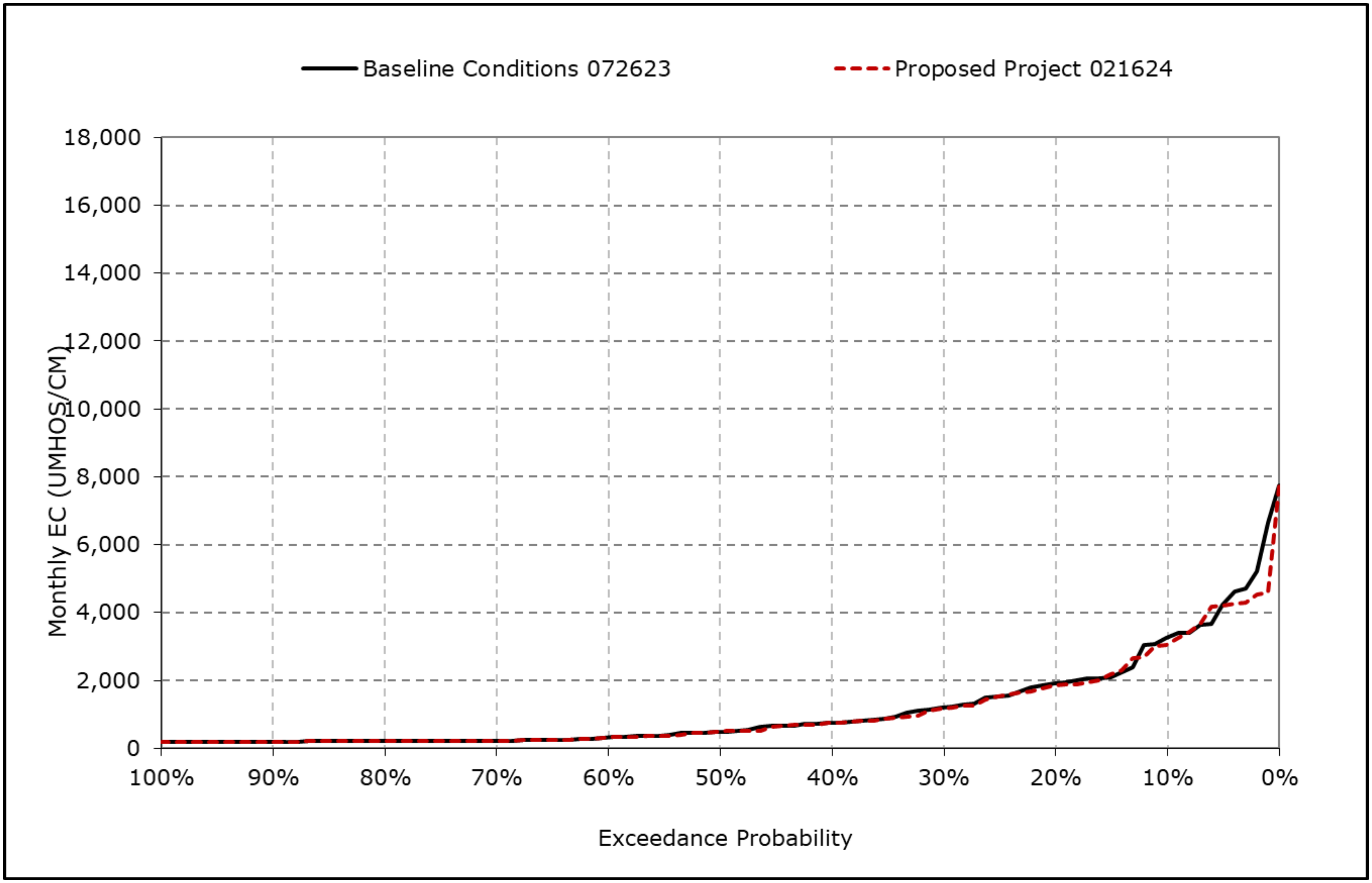
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-22j. Montezuma Slough at National Steel, January EC



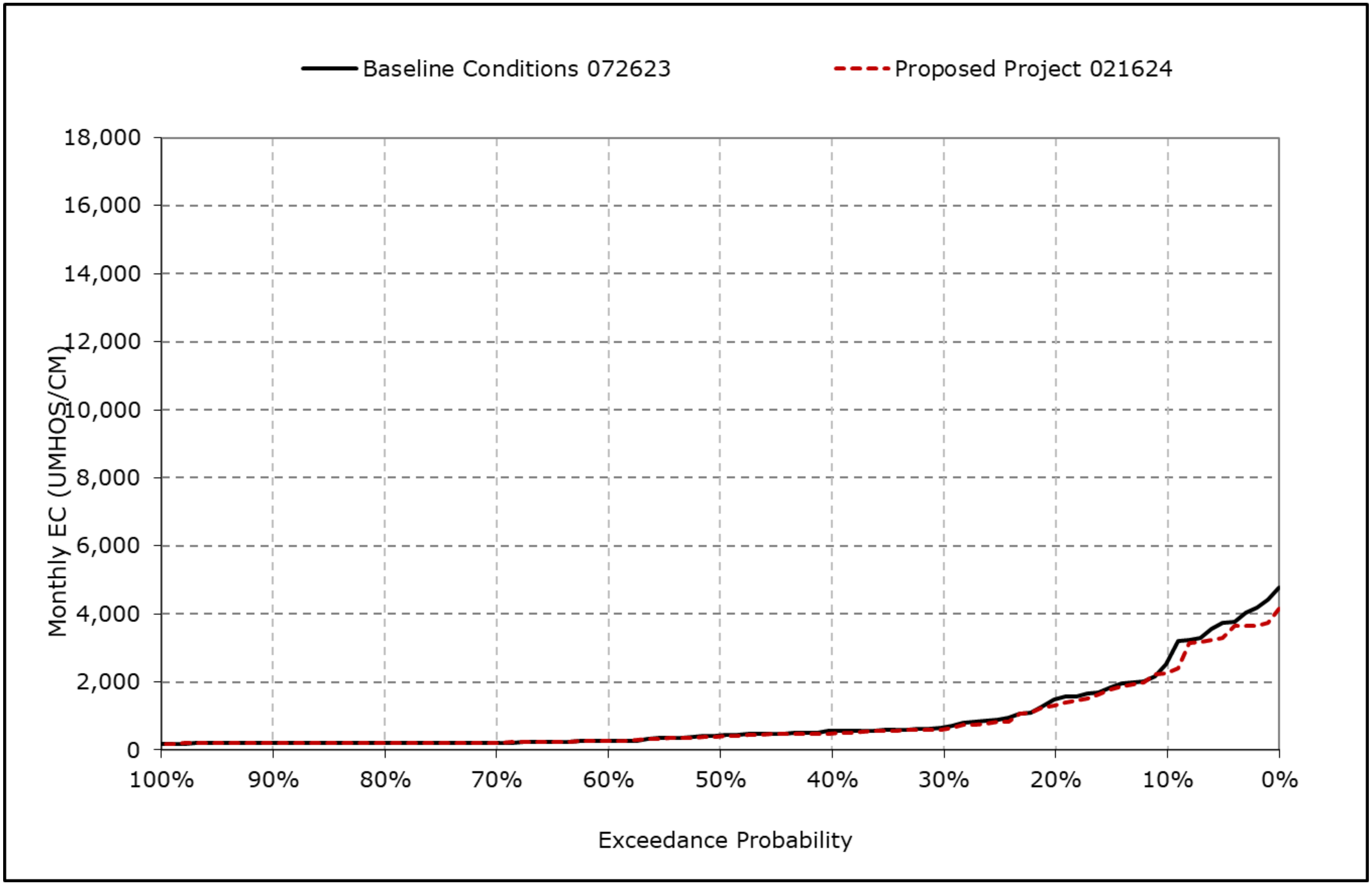
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-22k. Montezuma Slough at National Steel, February EC



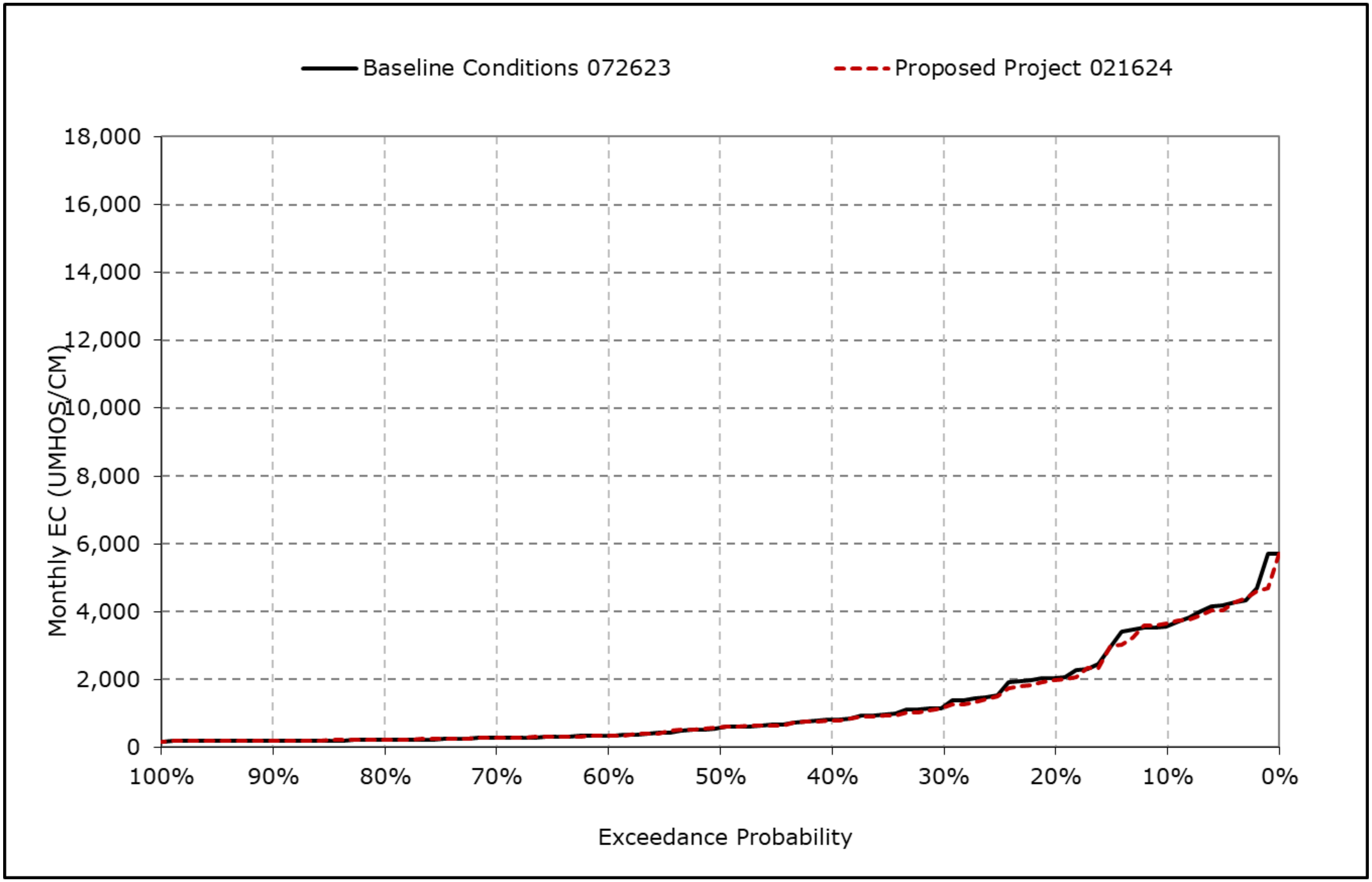
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-22l. Montezuma Slough at National Steel, March EC



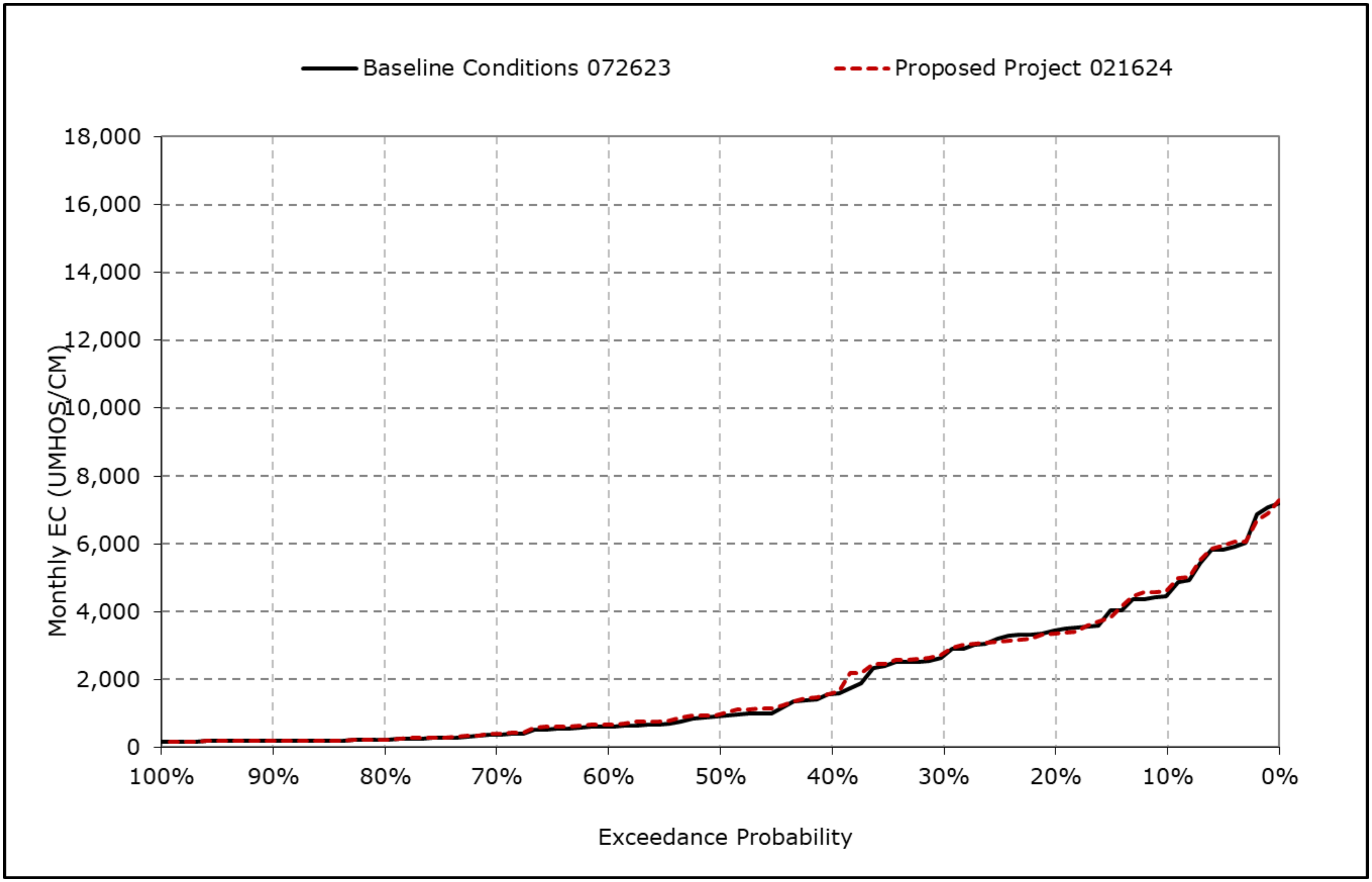
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-22m. Montezuma Slough at National Steel, April EC



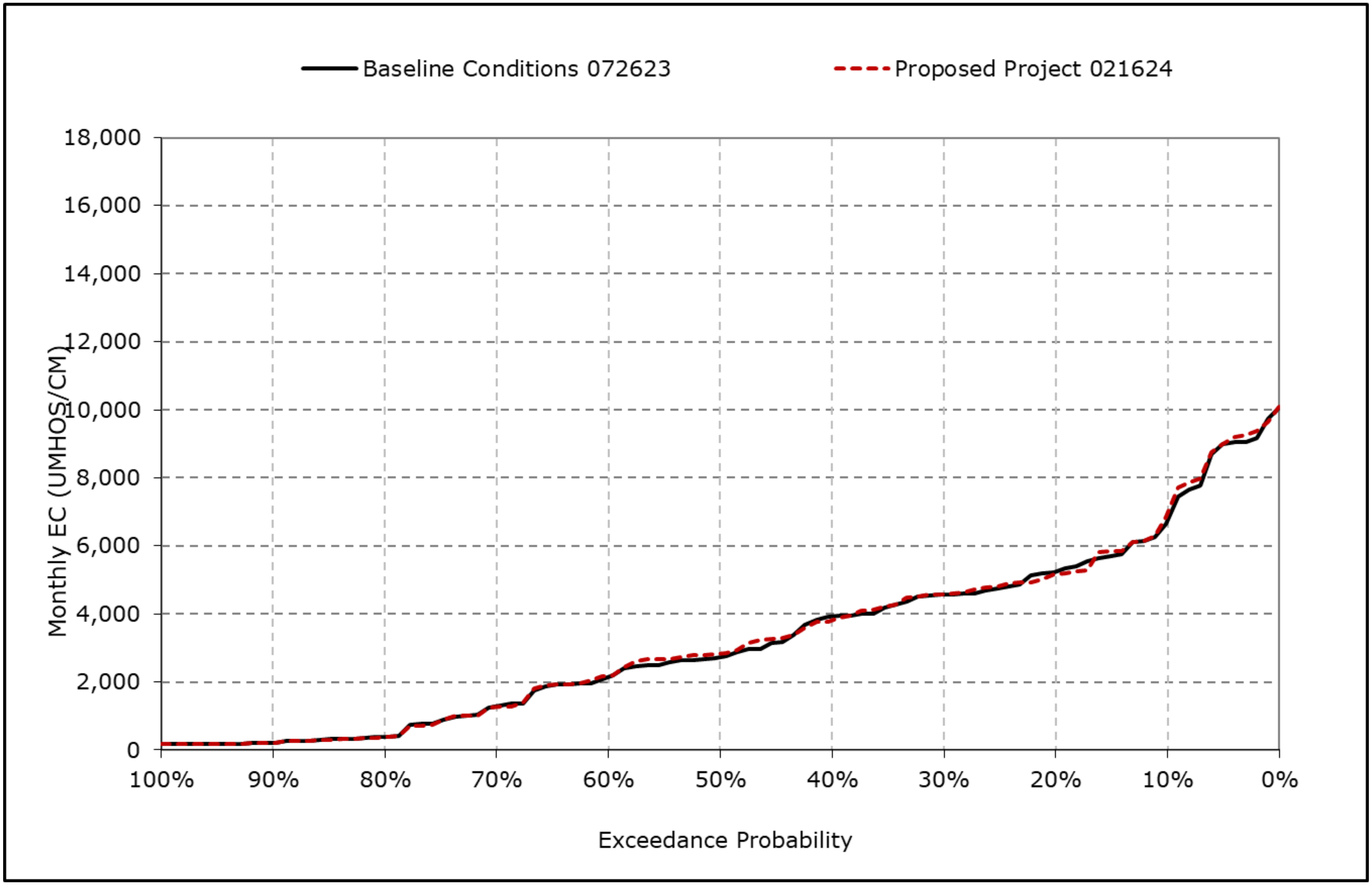
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-22n. Montezuma Slough at National Steel, May EC



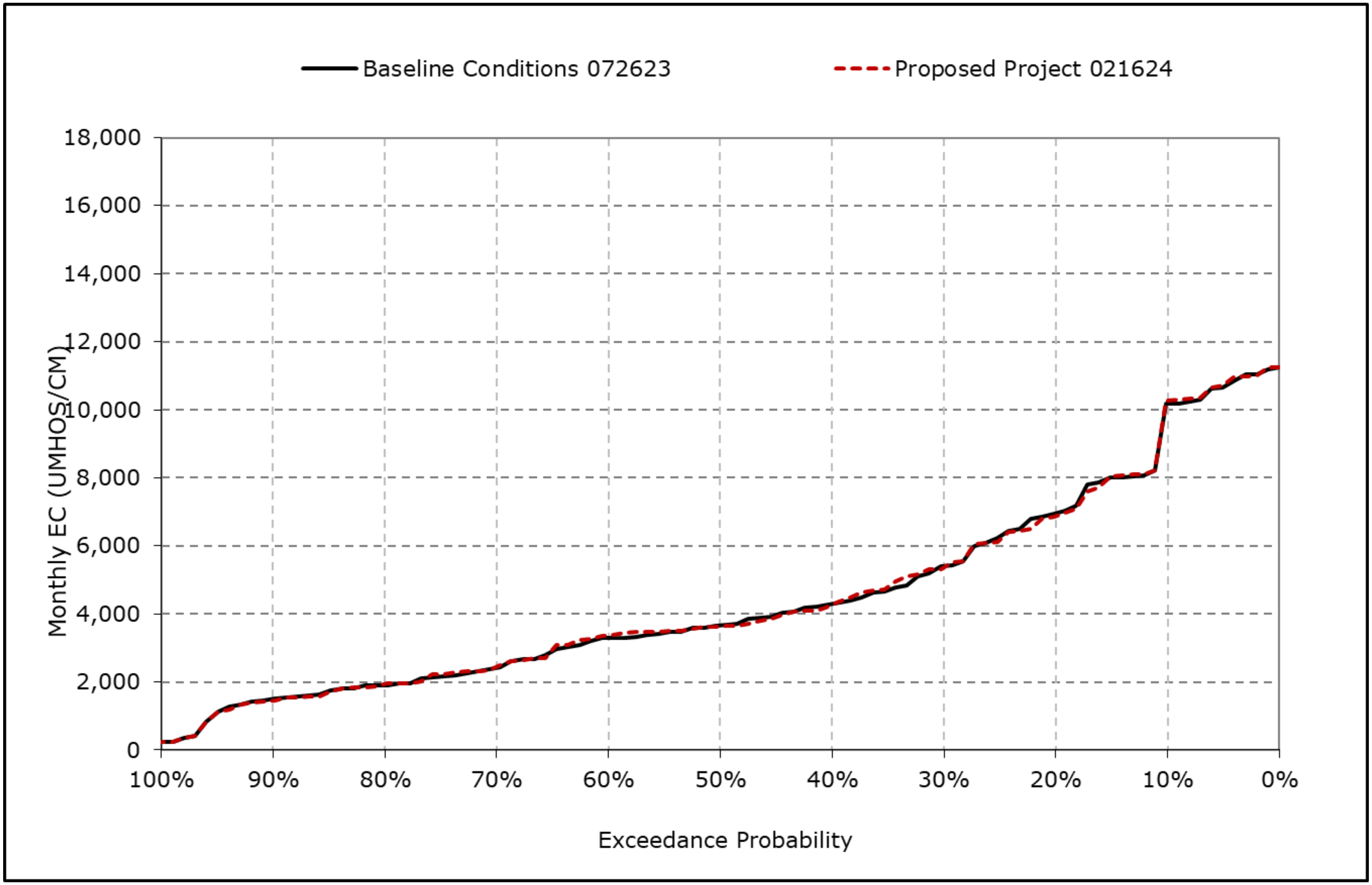
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-22o. Montezuma Slough at National Steel, June EC



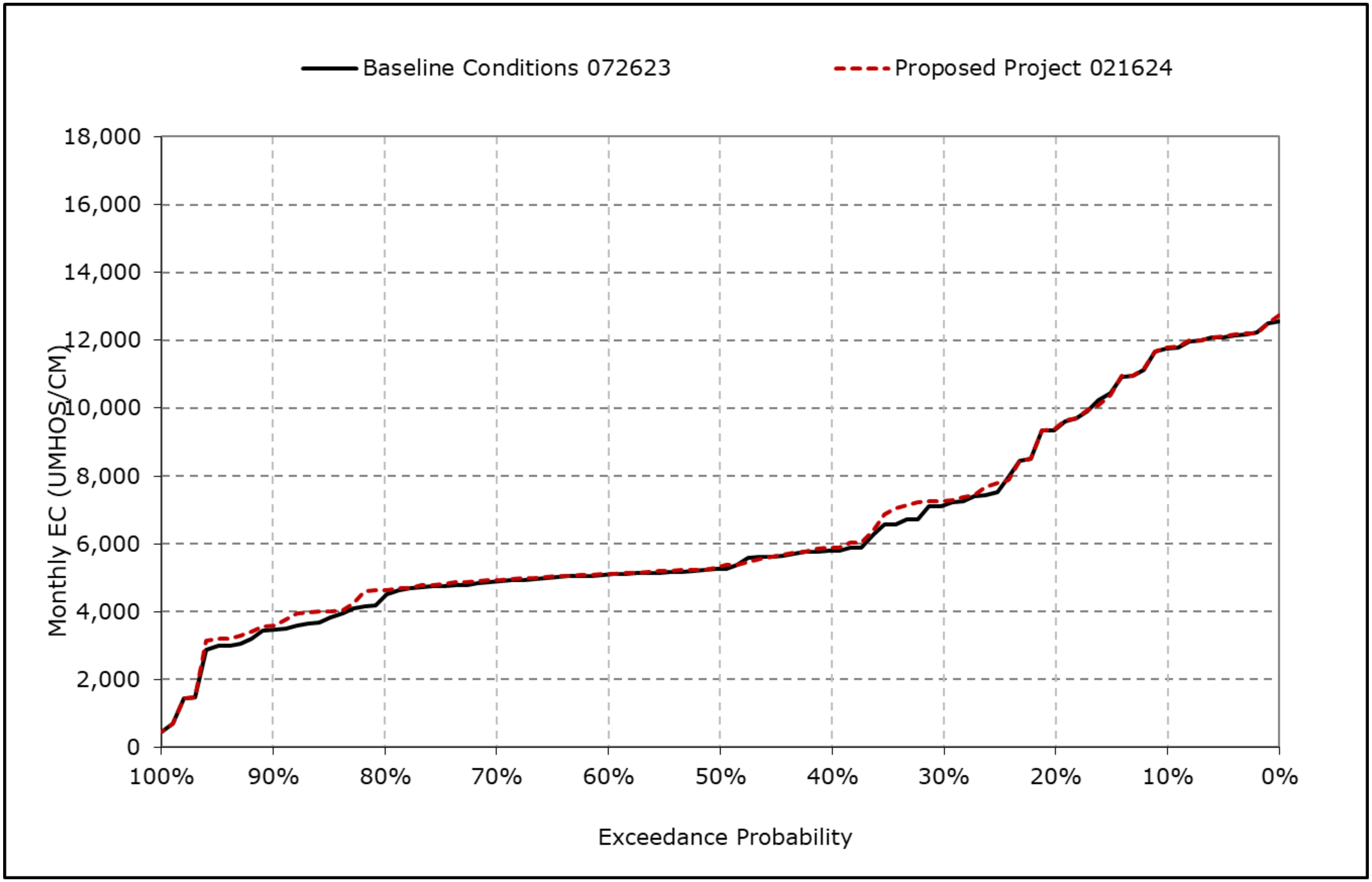
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-22p. Montezuma Slough at National Steel, July EC



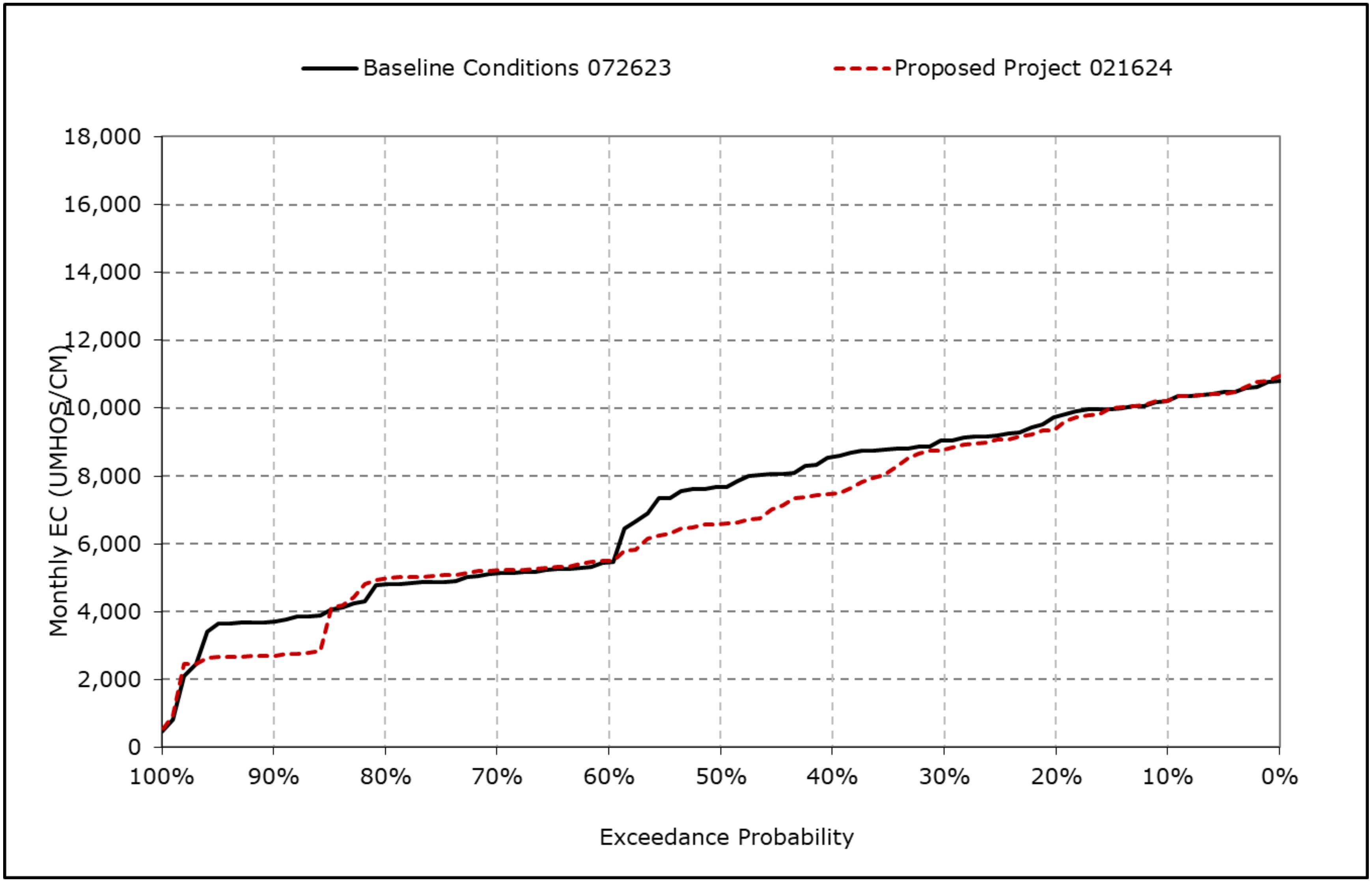
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-22q. Montezuma Slough at National Steel, August EC



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

Figure 4B-6-22r. Montezuma Slough at National Steel, September EC



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

Table 4B-6-23-1a. Suisun Bay near Ryer, Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	19,286	18,669	15,891	12,910	7,695	6,358	7,279	8,629	11,242	14,942	16,631	18,555
20% Exceedance	17,704	17,393	15,338	11,366	5,335	4,248	5,233	6,843	9,122	12,159	14,955	17,144
30% Exceedance	17,473	16,369	14,081	8,769	3,154	2,134	3,867	5,935	8,492	11,510	14,264	16,409
40% Exceedance	16,287	15,751	13,259	5,771	2,266	1,760	2,580	4,051	7,898	10,265	12,792	15,004
50% Exceedance	15,093	12,838	10,928	4,315	1,467	1,207	1,811	2,638	6,445	9,480	12,099	14,574
60% Exceedance	8,399	11,516	7,400	2,852	707	701	1,110	2,059	5,410	7,881	10,449	9,145
70% Exceedance	8,135	10,929	4,153	792	291	345	780	1,234	3,894	7,264	9,958	8,687
80% Exceedance	7,972	9,585	2,273	338	216	233	394	608	1,352	5,492	9,564	8,585
90% Exceedance	7,498	6,224	1,142	210	198	196	222	305	573	4,758	8,770	8,167
Full Simulation Period Average[a]	12,941	12,901	9,369	5,437	2,849	2,271	2,839	3,817	6,244	9,187	12,030	12,953
Wet Water Years (30%)	11,364	10,142	3,901	1,254	351	384	641	1,035	2,343	5,287	8,675	7,919
Above Normal Years (11%)	13,144	13,353	9,662	2,539	688	606	862	1,647	4,173	6,762	9,564	8,253
Below Normal Years (21%)	12,166	12,307	10,857	5,928	2,602	1,662	2,086	2,996	6,385	9,409	12,232	14,606
Dry Water Years (22%)	12,958	13,976	11,956	8,700	4,502	3,410	4,312	5,546	8,391	11,768	14,348	16,490
Critical Water Years (16%)	16,751	17,065	13,912	10,142	7,068	6,187	7,280	9,225	11,842	14,327	16,566	18,590

Table 4B-6-23-1b. Suisun Bay near Ryer, Proposed Project 021624, Monthly EC (UMHOS/CM)

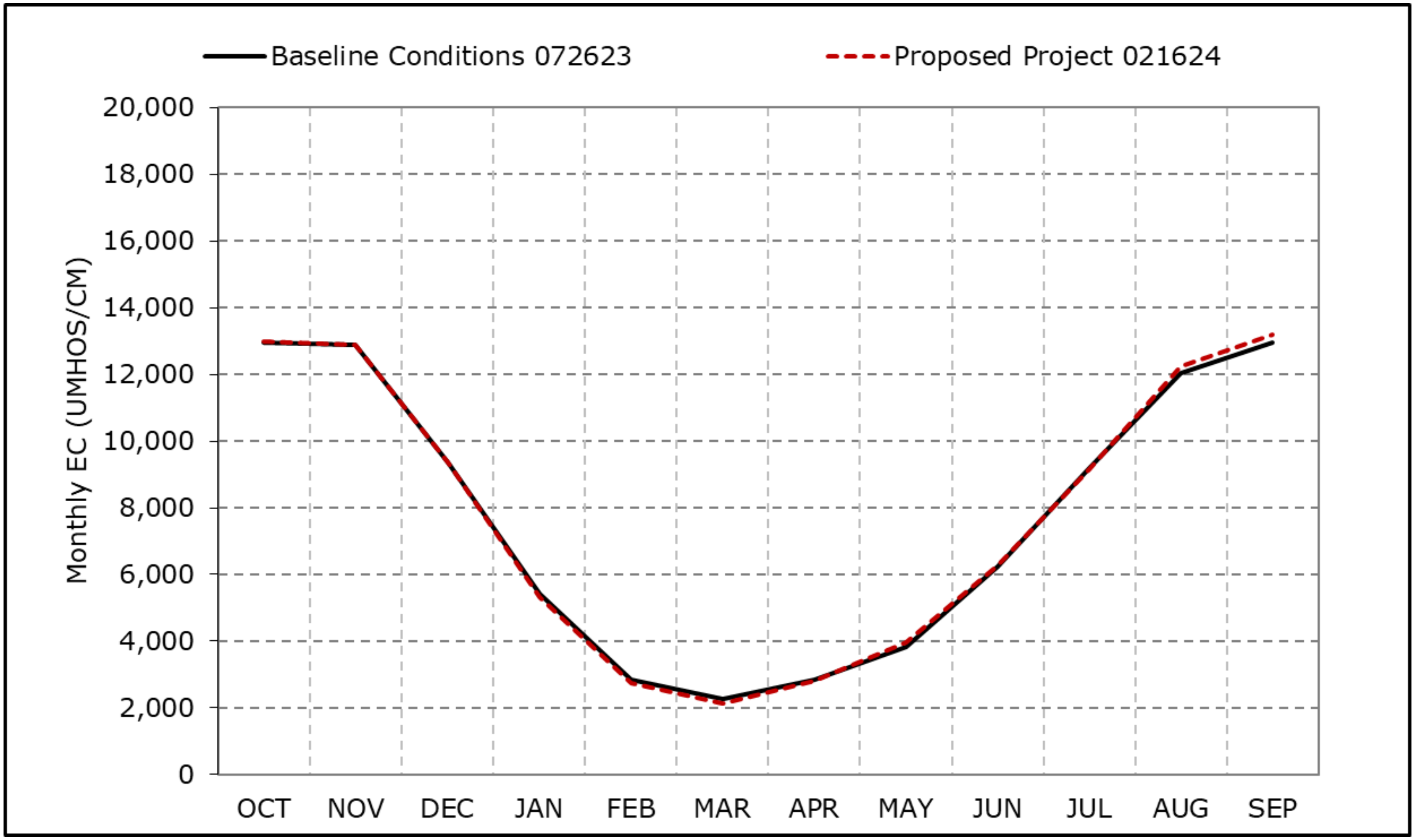
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	19,292	18,667	15,863	12,644	7,360	6,140	7,045	8,846	11,449	15,008	16,658	18,560
20% Exceedance	17,824	17,439	15,362	11,080	5,234	3,968	5,045	6,801	9,041	12,099	15,101	17,408
30% Exceedance	17,373	16,351	13,745	8,267	3,013	2,073	3,810	5,960	8,585	11,417	14,526	16,860
40% Exceedance	16,485	15,798	13,171	5,483	2,211	1,631	2,490	4,213	7,966	10,139	12,933	15,543
50% Exceedance	15,242	12,934	10,925	4,207	1,453	1,208	1,880	3,001	6,544	9,405	12,174	14,708
60% Exceedance	8,348	11,556	7,478	2,771	679	713	1,142	2,355	5,407	8,056	10,725	9,338
70% Exceedance	8,120	10,747	4,152	788	289	344	851	1,367	3,837	7,159	10,233	8,861
80% Exceedance	7,980	9,475	2,280	338	217	233	397	613	1,296	5,348	9,901	8,678
90% Exceedance	7,466	6,250	1,127	211	198	196	219	336	581	4,740	9,399	8,366
Full Simulation Period Average[a]	12,991	12,892	9,347	5,335	2,727	2,146	2,806	3,949	6,272	9,146	12,242	13,187
Wet Water Years (30%)	11,500	10,151	3,924	1,231	350	387	692	1,192	2,346	5,258	8,969	8,156
Above Normal Years (11%)	13,148	13,251	9,797	2,560	680	577	865	1,810	4,157	6,724	10,059	8,416
Below Normal Years (21%)	12,149	12,354	10,818	5,788	2,561	1,549	2,009	3,232	6,422	9,210	12,260	14,918
Dry Water Years (22%)	12,981	13,939	11,937	8,711	4,327	3,087	4,124	5,509	8,400	11,807	14,618	16,835
Critical Water Years (16%)	16,795	17,051	13,713	9,699	6,609	6,011	7,339	9,385	11,964	14,361	16,590	18,613

Table 4B-6-23-1c. Suisun Bay near Ryer, Proposed Project 021624 minus Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7	-2	-28	-266	-335	-218	-233	217	207	66	27	5
20% Exceedance	120	46	24	-287	-101	-280	-188	-42	-81	-60	147	264
30% Exceedance	-99	-18	-336	-502	-141	-61	-57	25	93	-94	261	451
40% Exceedance	198	47	-89	-288	-55	-129	-90	162	68	-126	141	538
50% Exceedance	150	96	-3	-107	-14	0	70	363	99	-75	75	134
60% Exceedance	-51	40	78	-81	-27	12	33	296	-3	175	276	193
70% Exceedance	-15	-183	0	-5	-3	-1	70	133	-57	-106	275	173
80% Exceedance	8	-109	7	0	0	0	3	5	-56	-144	338	94
90% Exceedance	-32	26	-16	1	0	0	-3	31	7	-18	630	198
Full Simulation Period Average[a]	50	-9	-23	-102	-122	-125	-33	132	28	-41	212	234
Wet Water Years (30%)	135	9	23	-23	-1	3	50	157	2	-29	294	237
Above Normal Years (11%)	4	-103	135	21	-8	-29	3	163	-16	-37	495	162
Below Normal Years (21%)	-18	47	-39	-140	-41	-113	-76	237	37	-199	29	311
Dry Water Years (22%)	24	-37	-20	11	-176	-322	-189	-37	10	39	270	346
Critical Water Years (16%)	44	-14	-199	-443	-459	-175	59	160	122	33	23	23

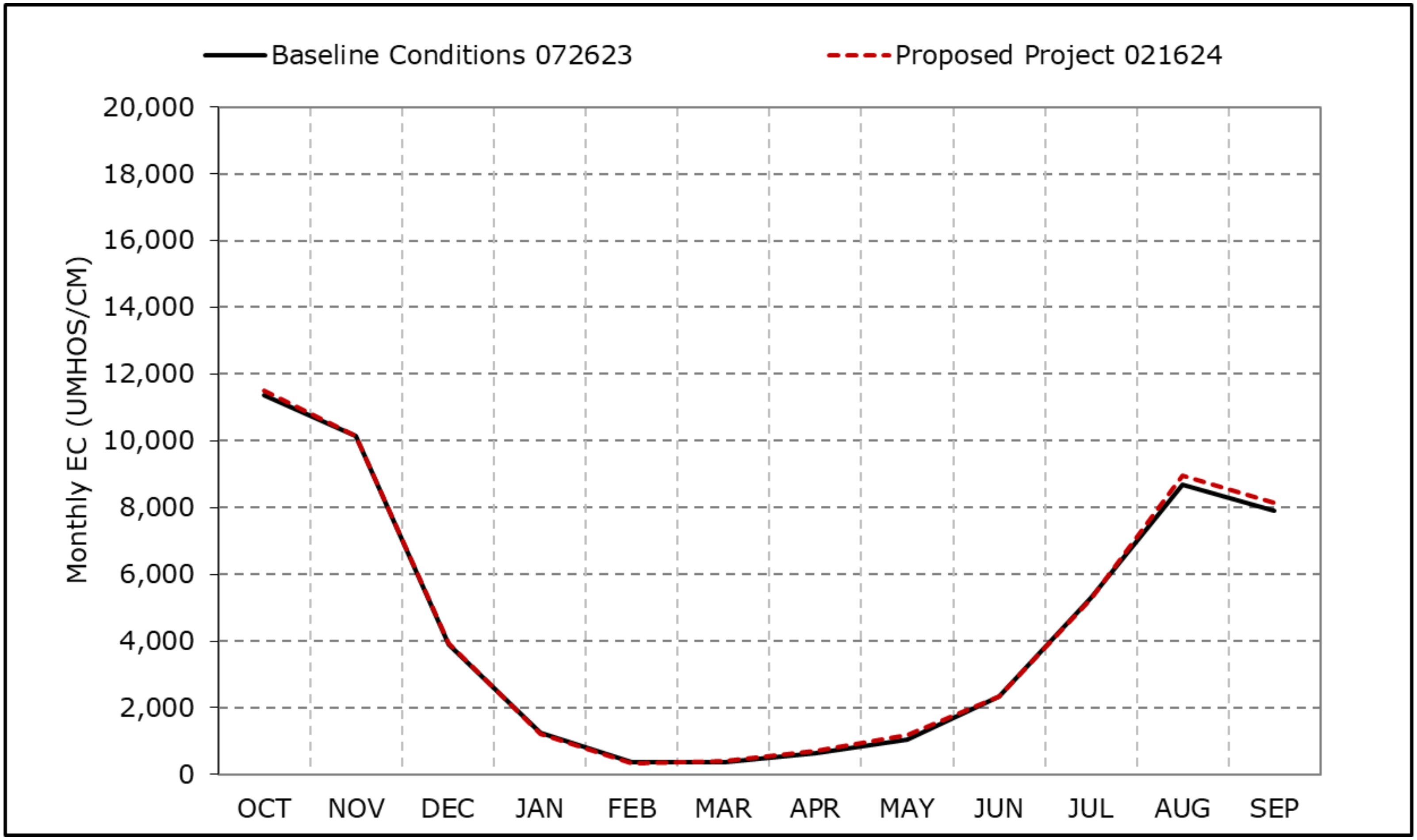
[a] Based on the 100-year simulation period.
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-6-23a. Suisun Bay near Ryer, Long-Term Average EC



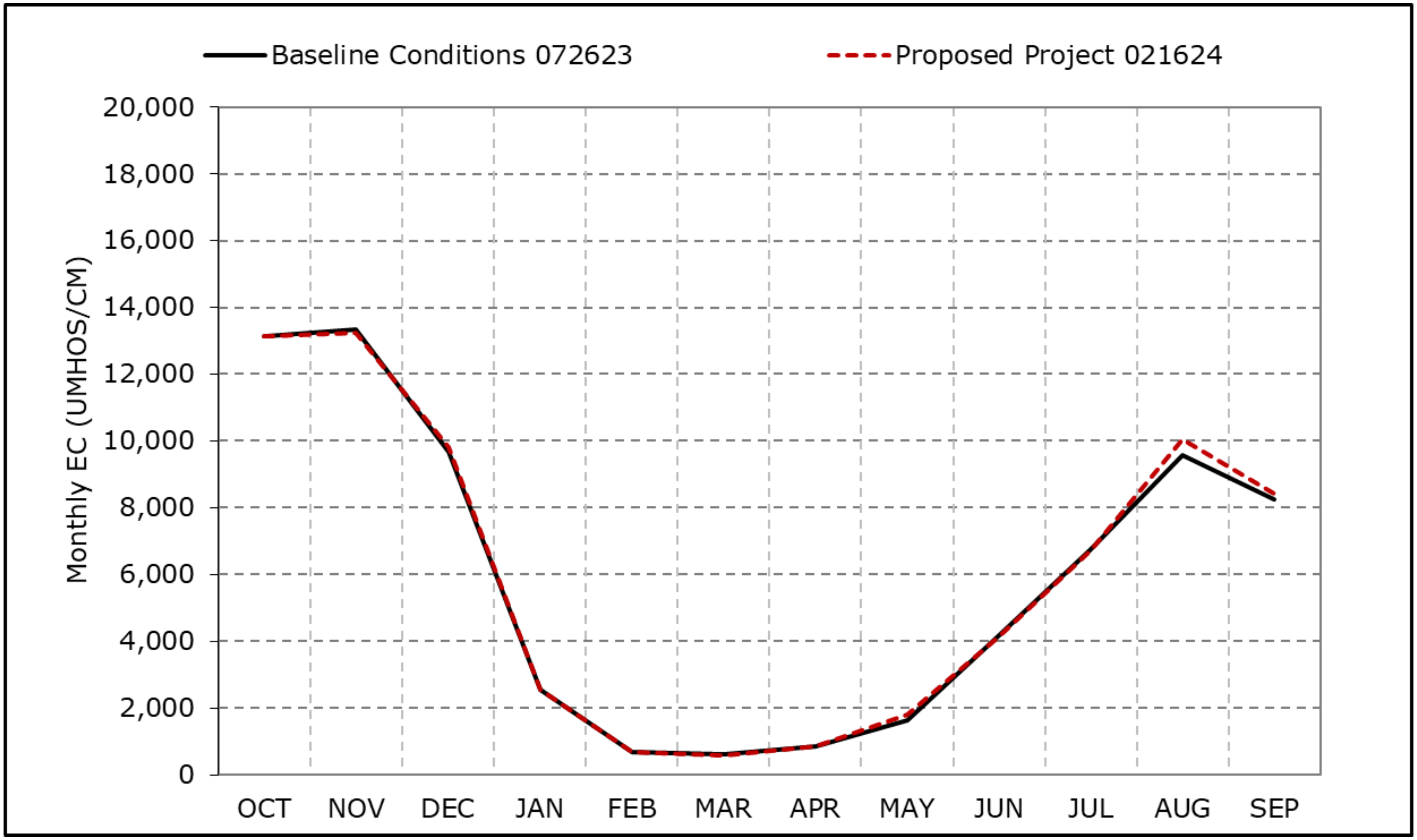
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-23b. Suisun Bay near Ryer, Wet Year Average EC



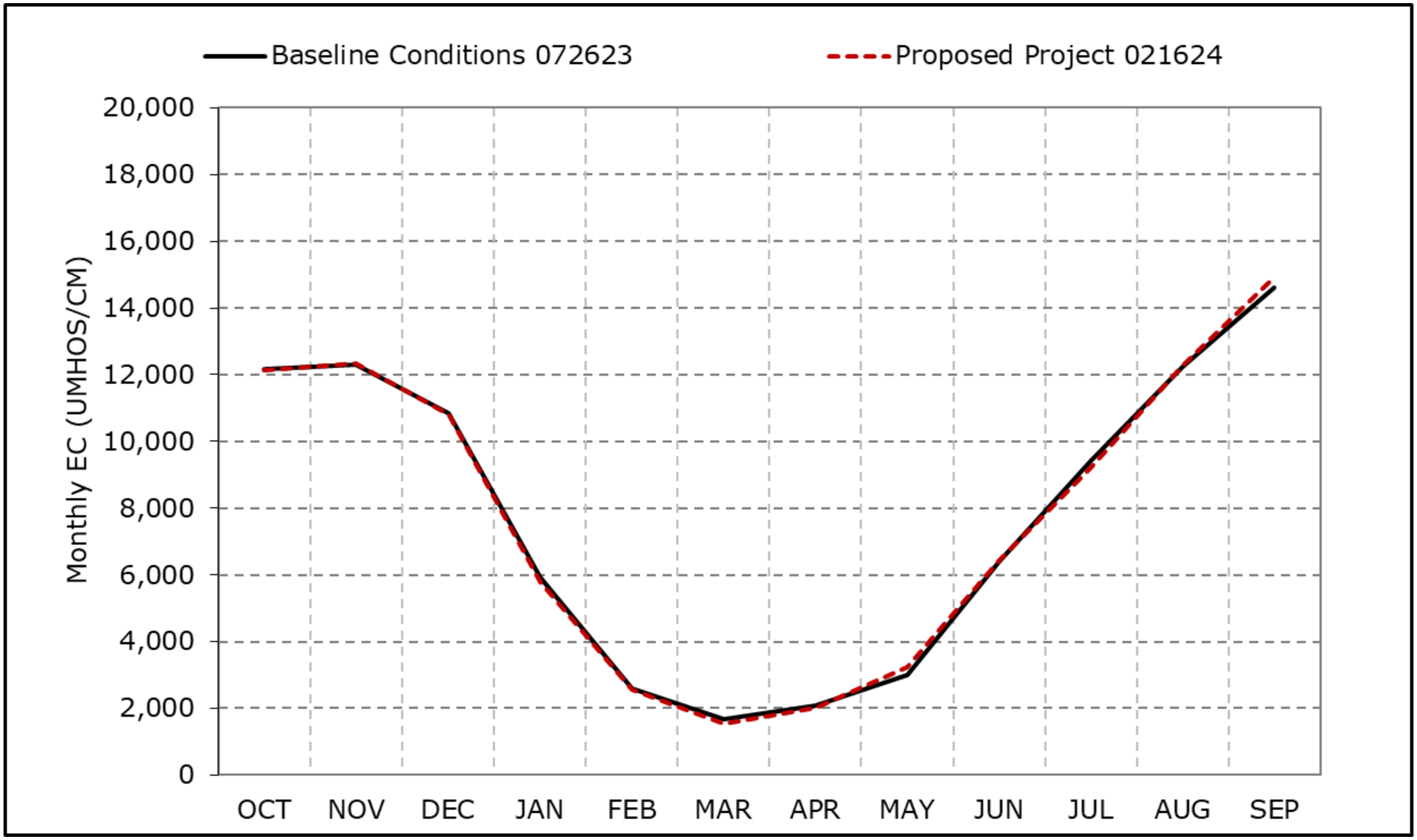
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-23c. Suisun Bay near Ryer, Above Normal Year Average EC



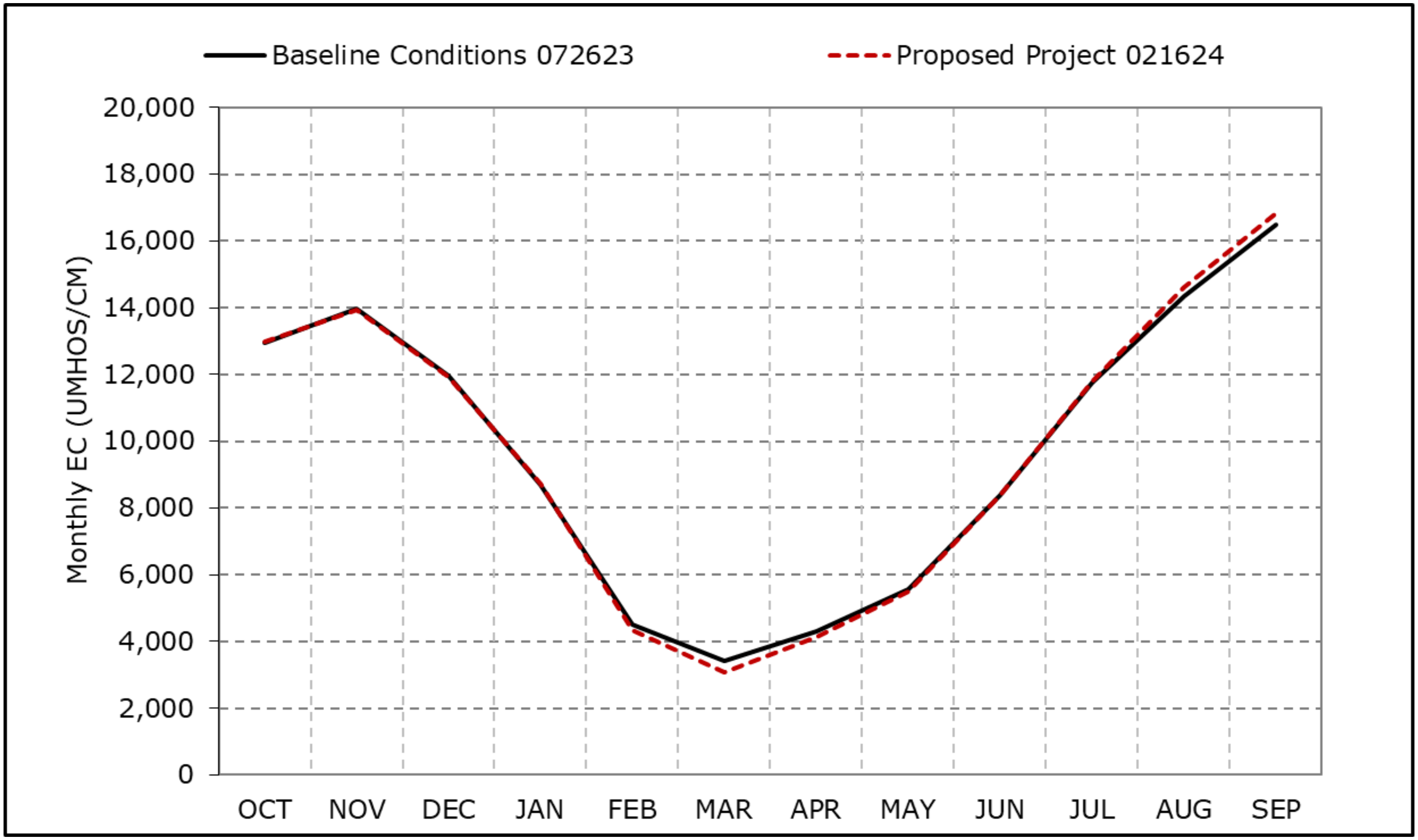
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-23d. Suisun Bay near Ryer, Below Normal Year Average EC



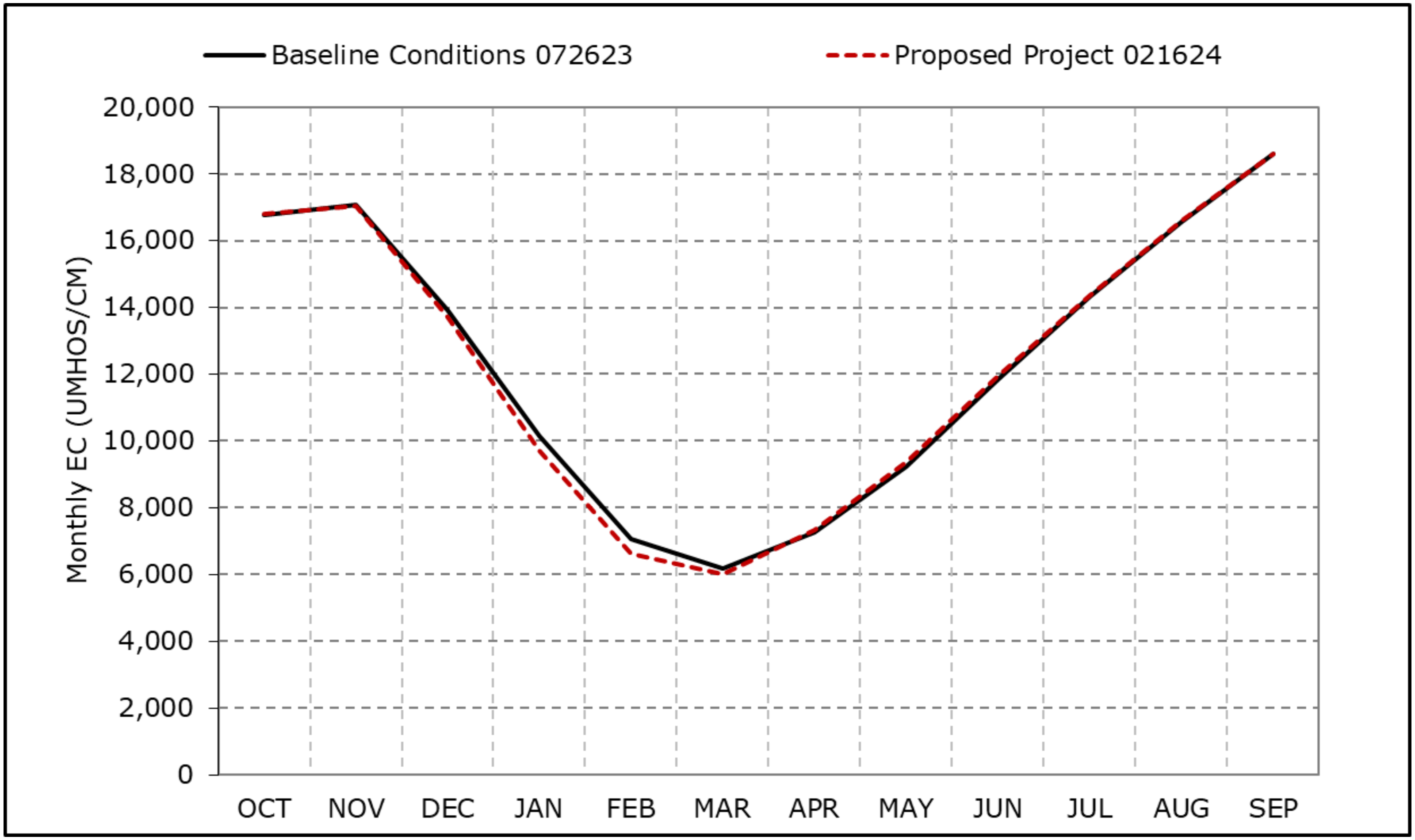
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-23e. Suisun Bay near Ryer, Dry Year Average EC



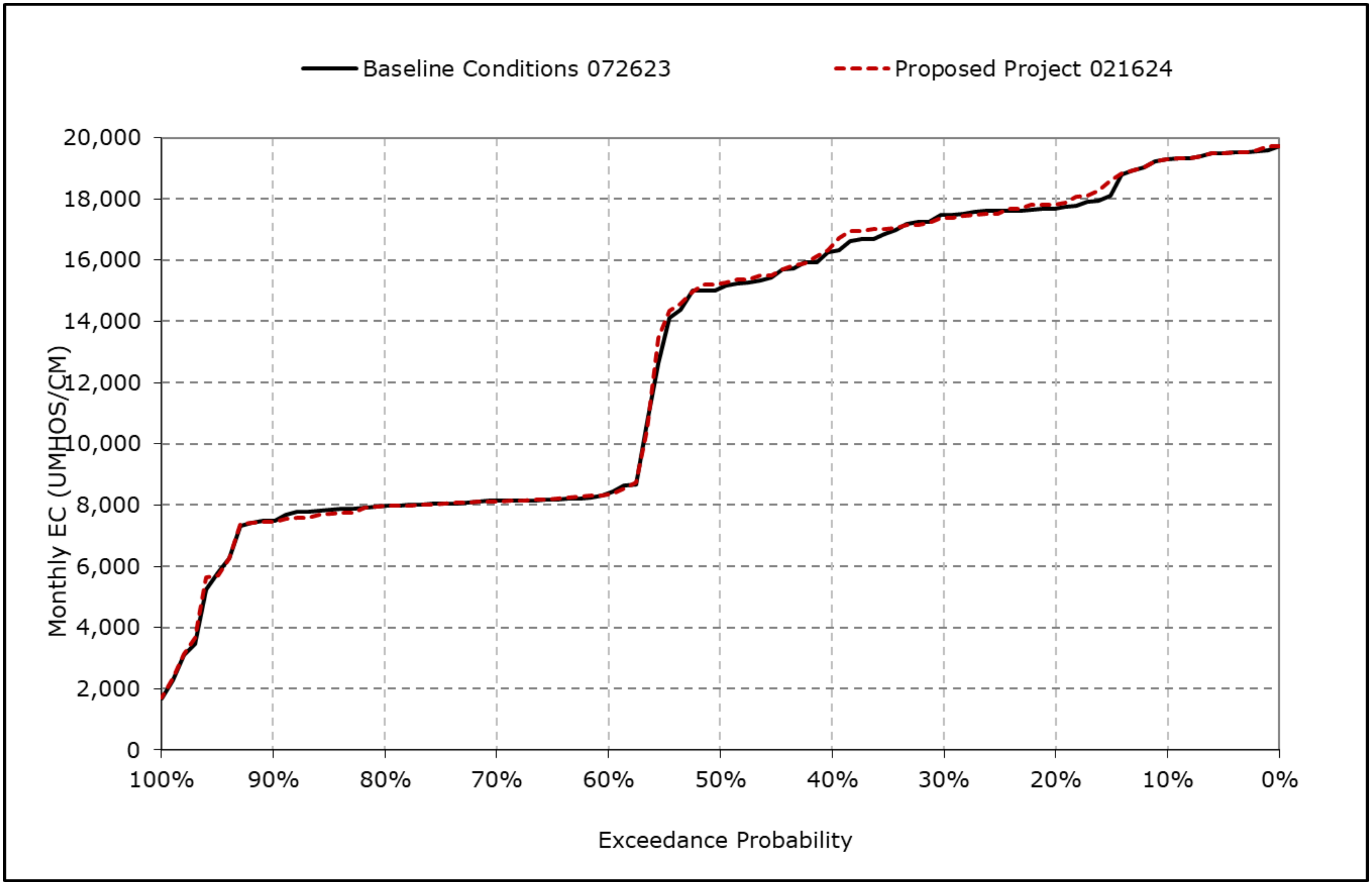
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-23f. Suisun Bay near Ryer, Critical Year Average EC



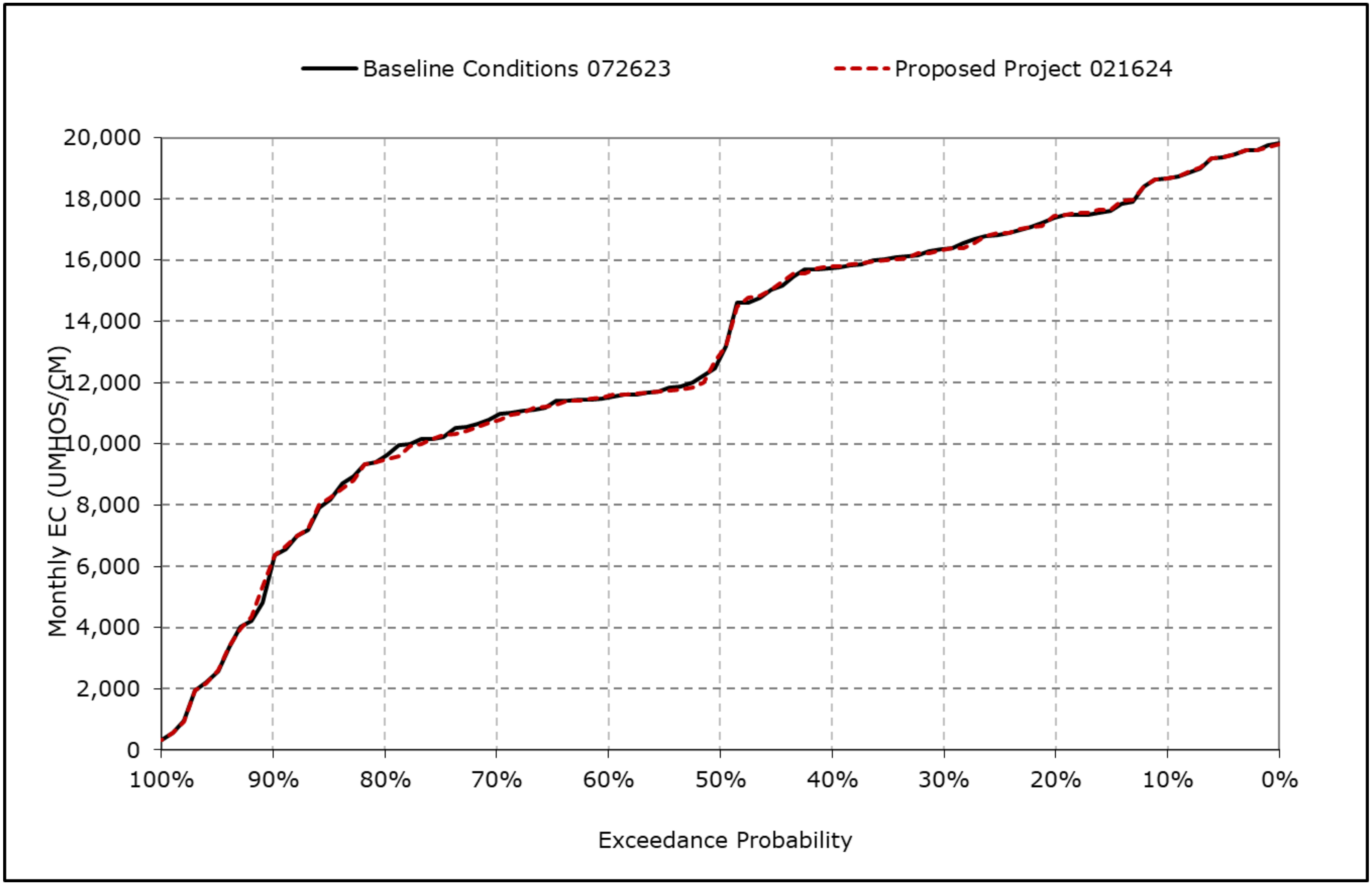
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-23g. Suisun Bay near Ryer, October EC



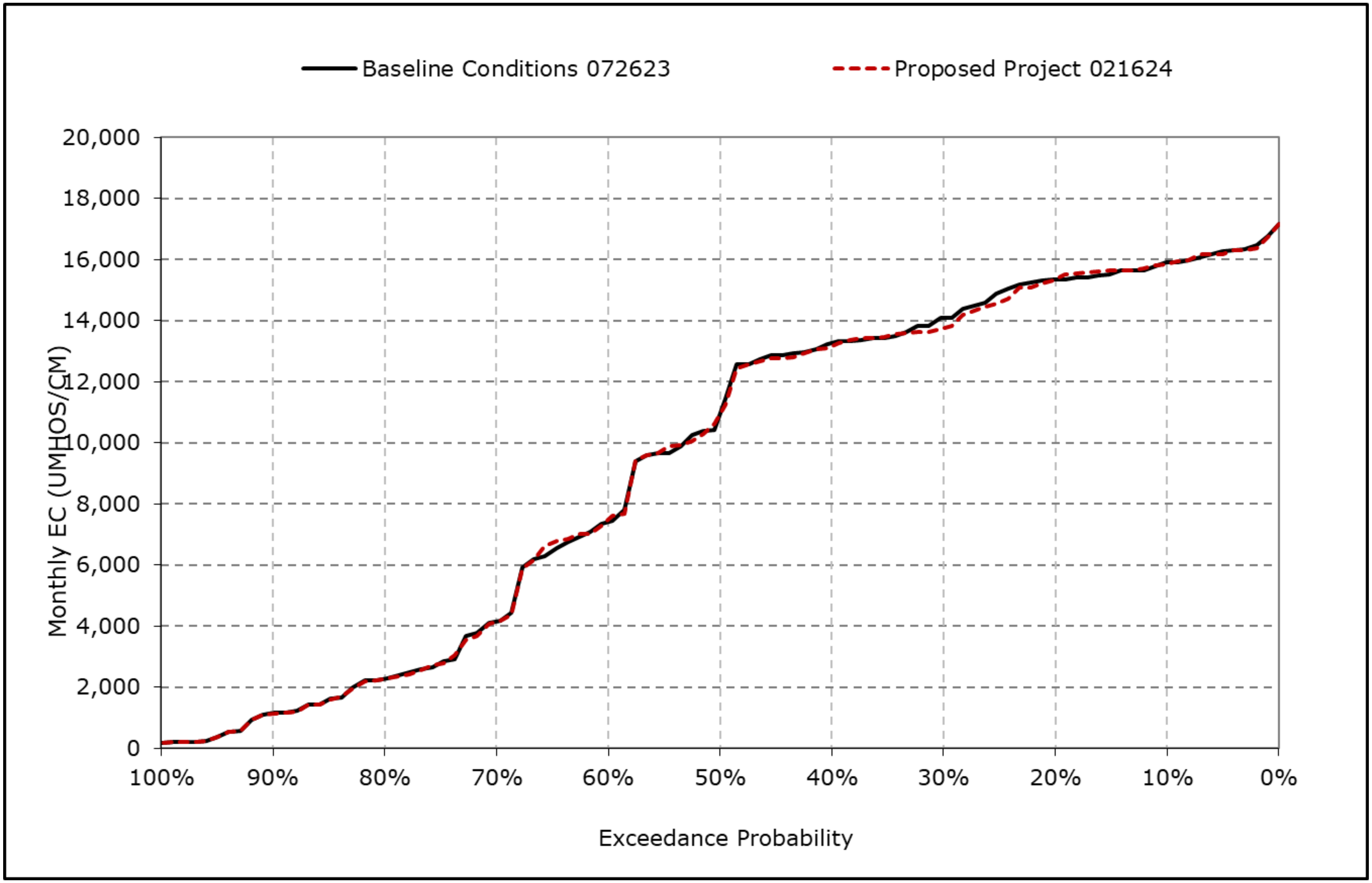
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-23h. Suisun Bay near Ryer, November EC



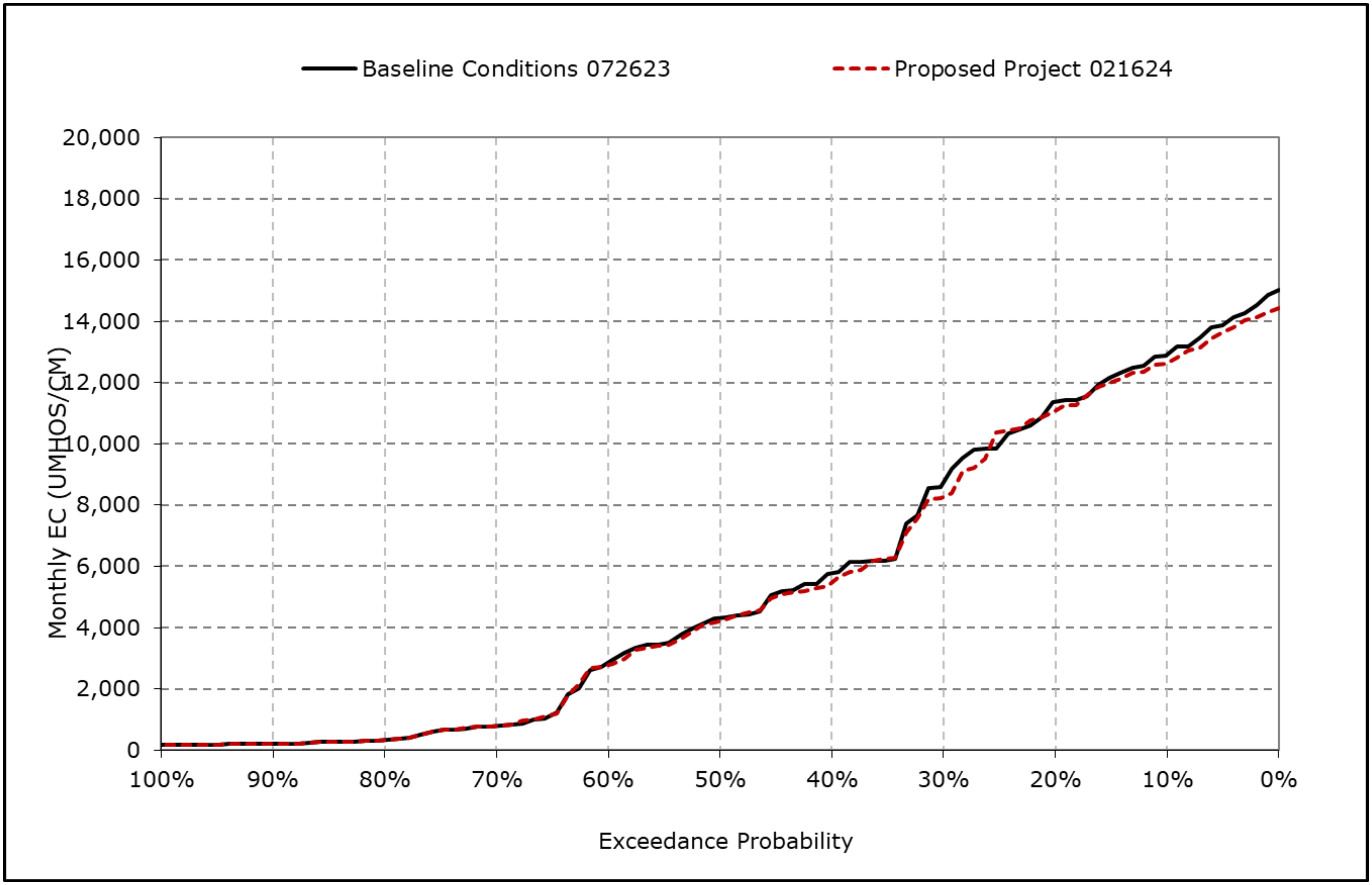
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-23i. Suisun Bay near Ryer, December EC



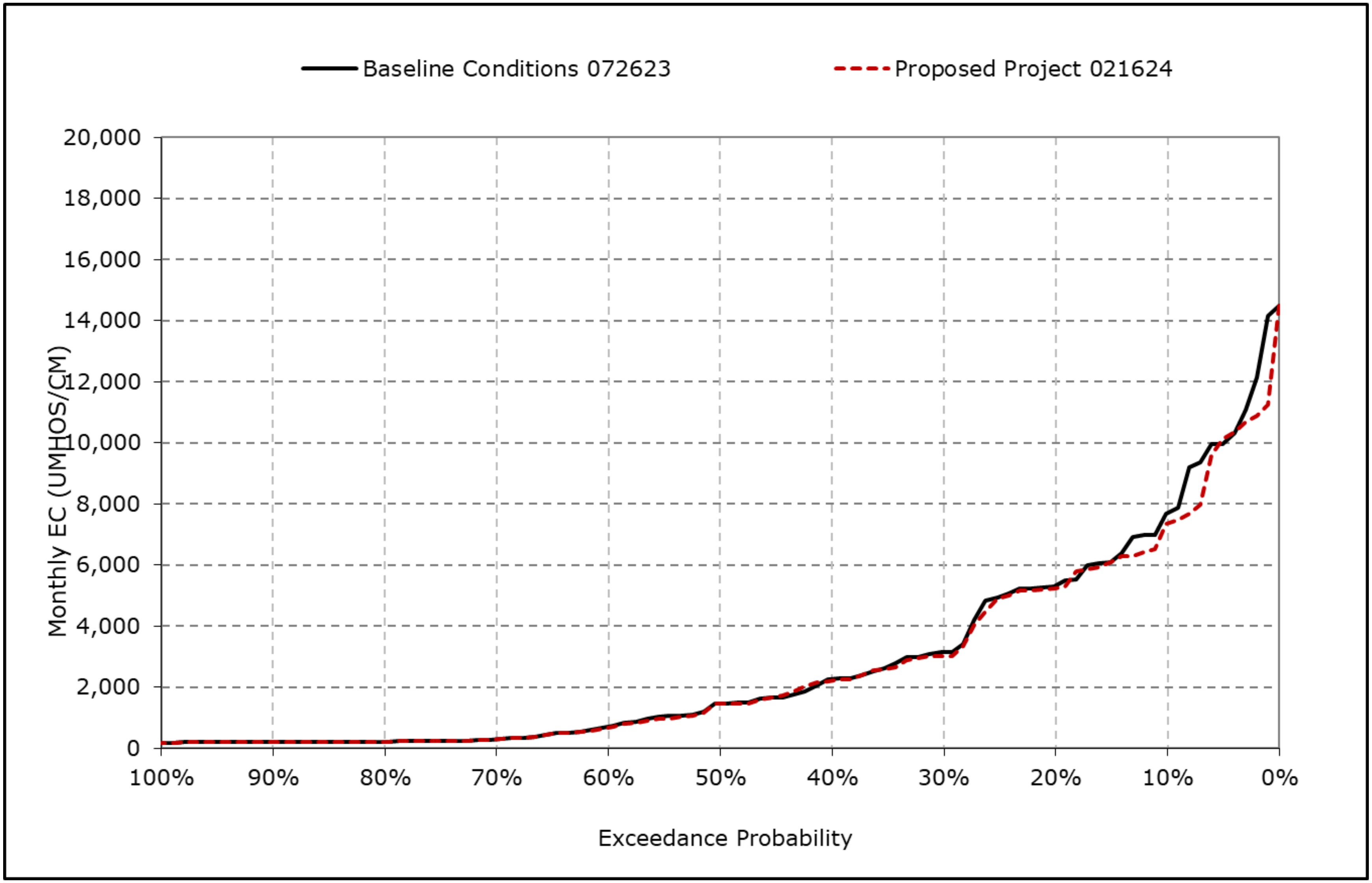
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-23j. Suisun Bay near Ryer, January EC



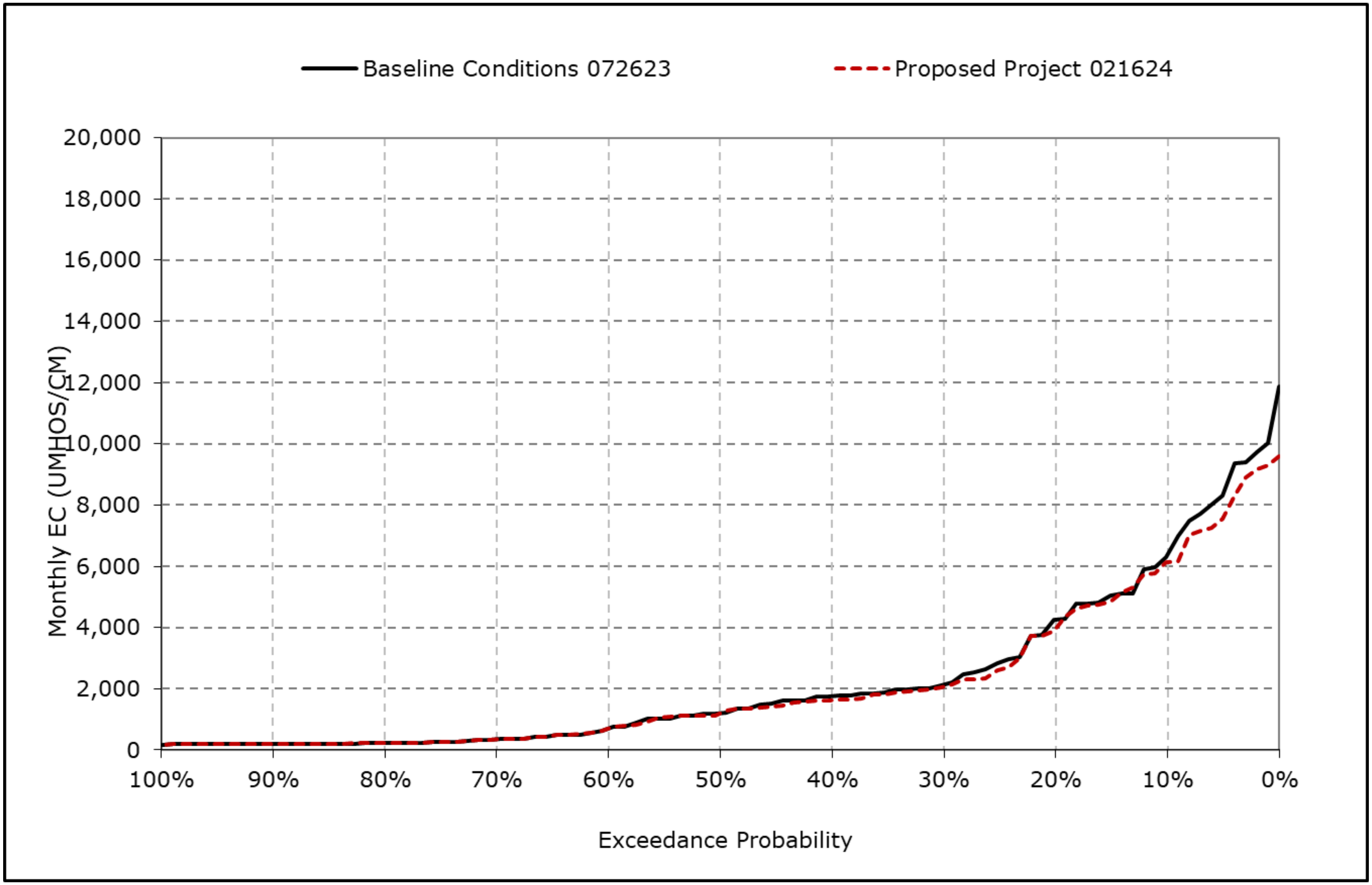
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-23k. Suisun Bay near Ryer, February EC



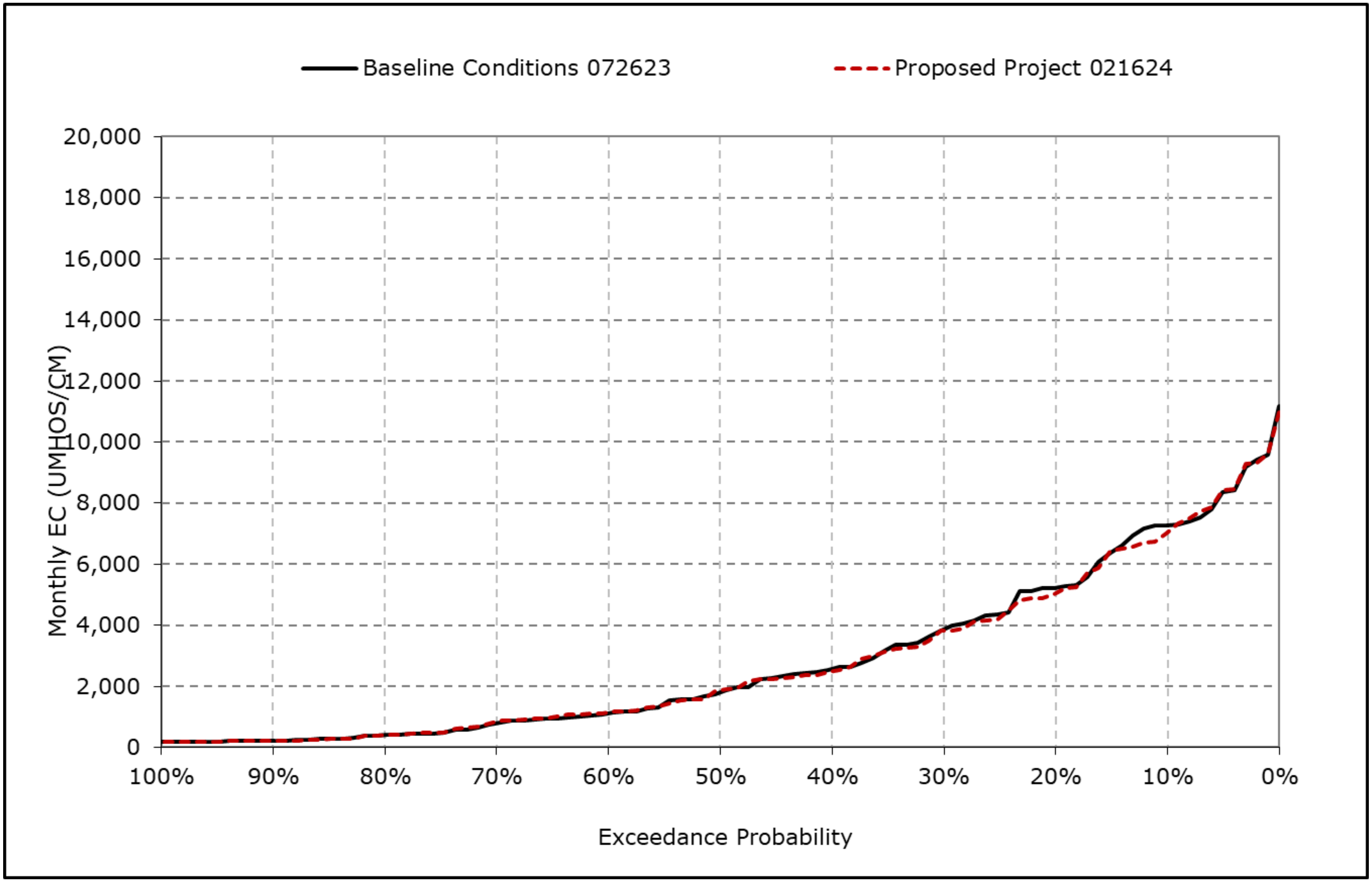
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-23l. Suisun Bay near Ryer, March EC



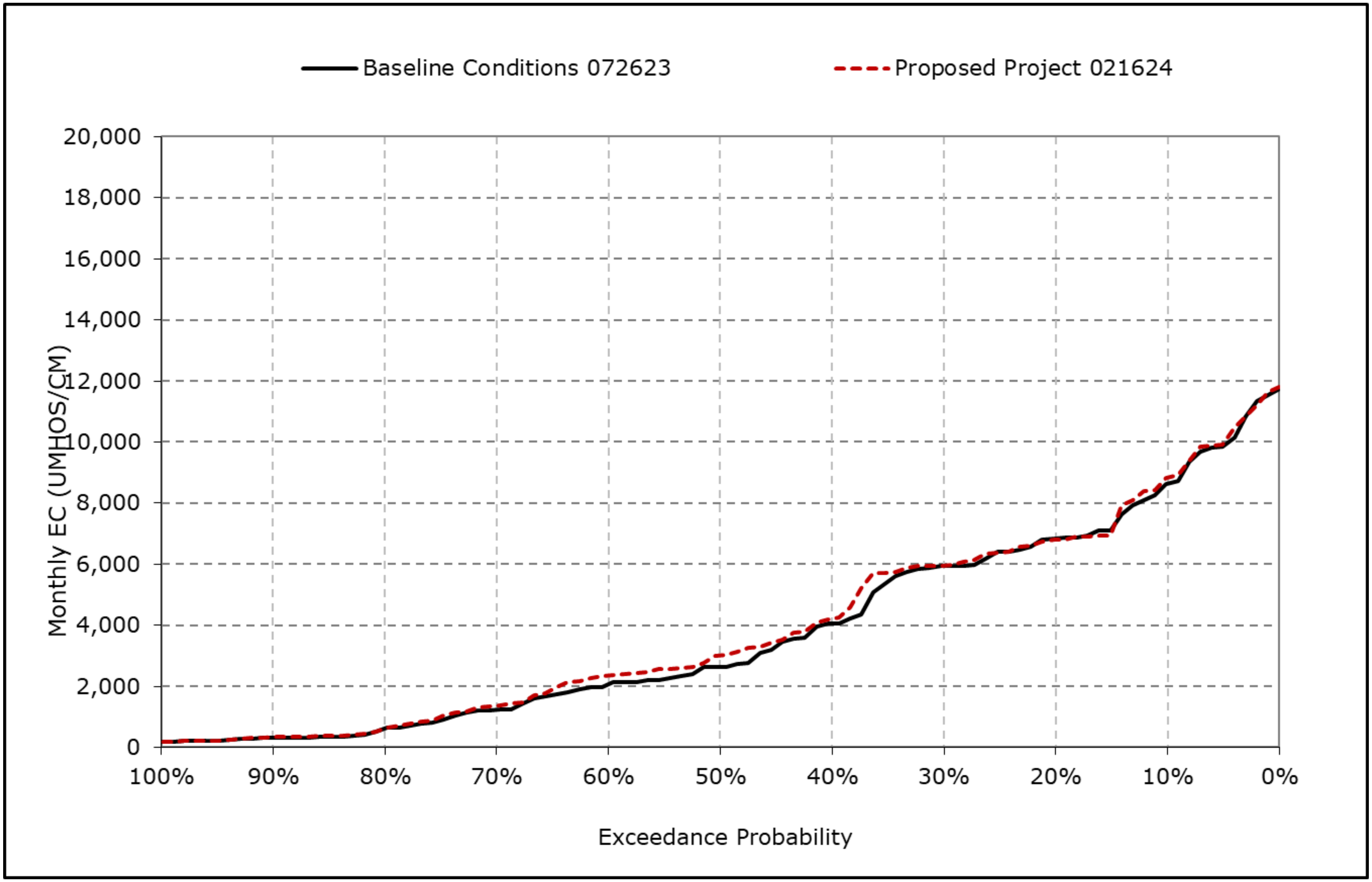
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-23m. Suisun Bay near Ryer, April EC



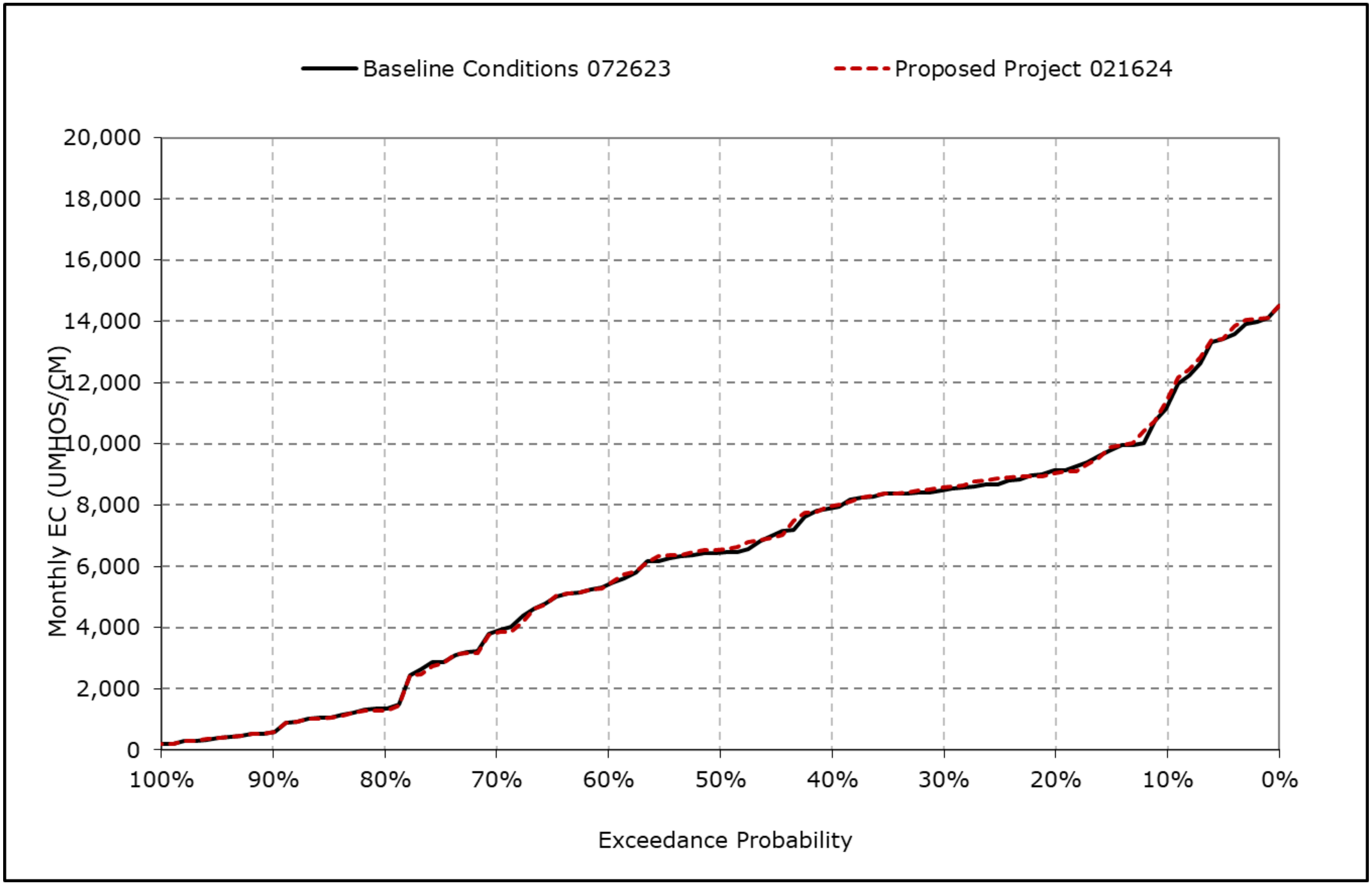
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-23n. Suisun Bay near Ryer, May EC



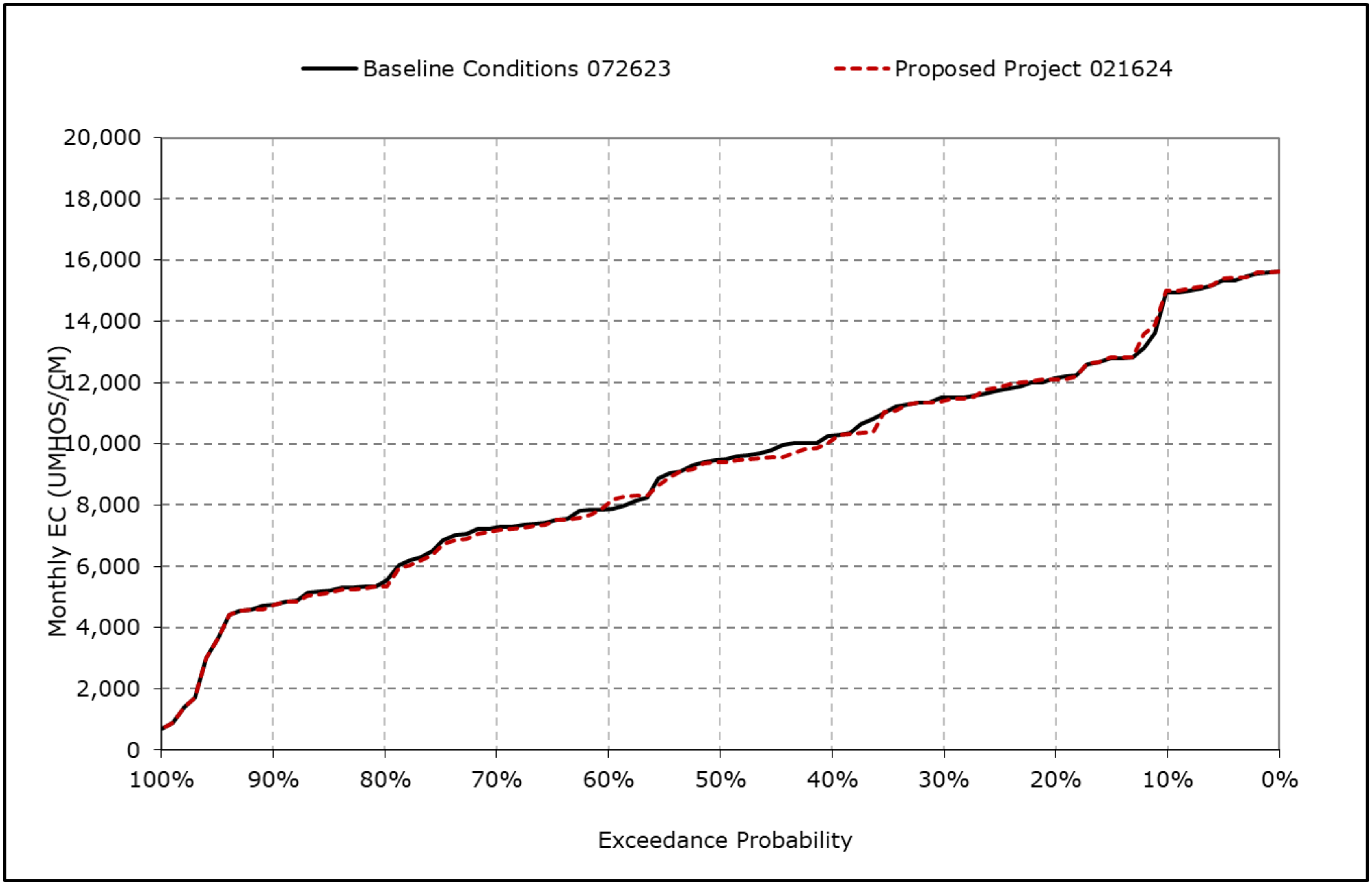
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-23o. Suisun Bay near Ryer, June EC



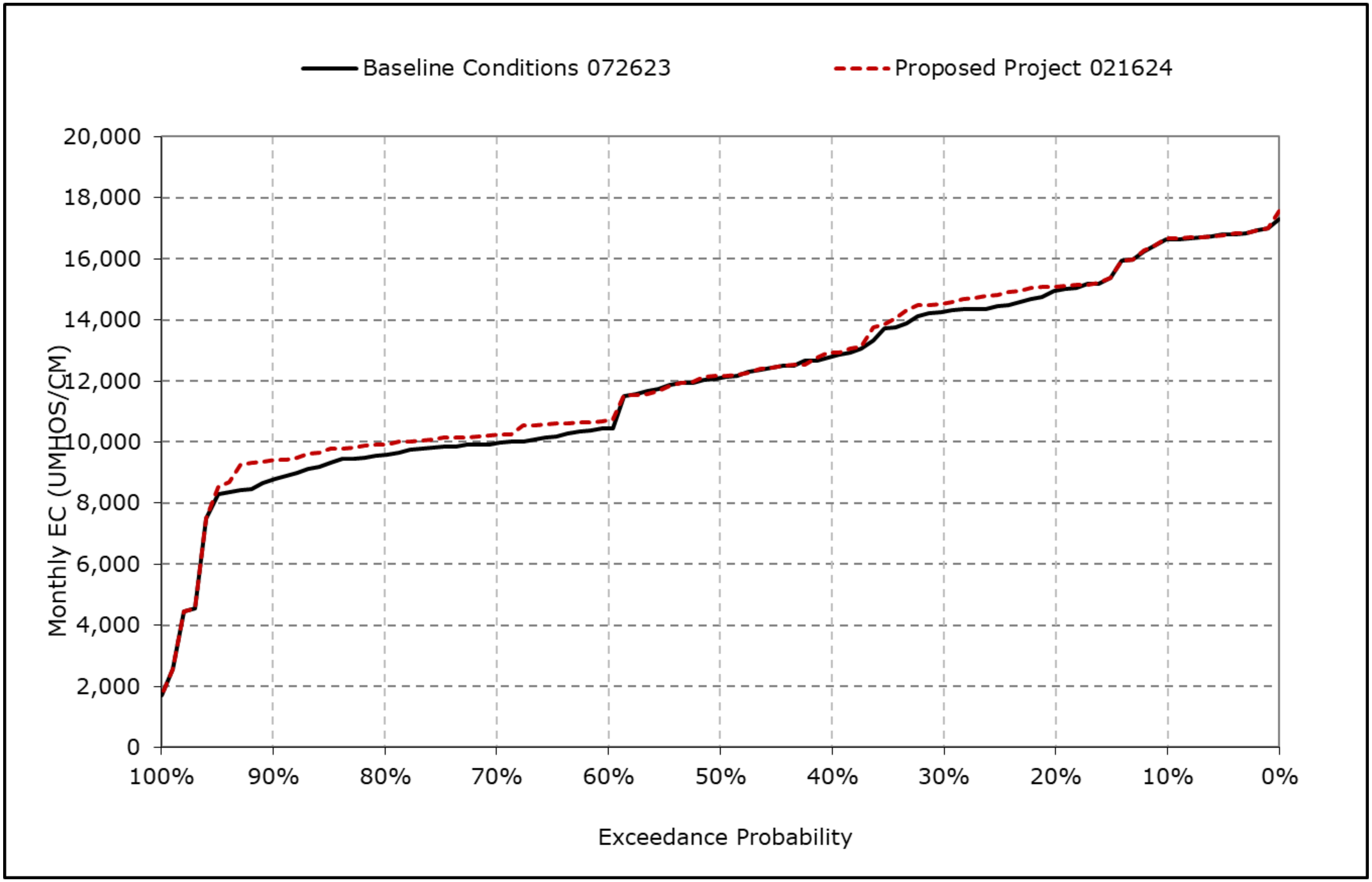
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-23p. Suisun Bay near Ryer, July EC



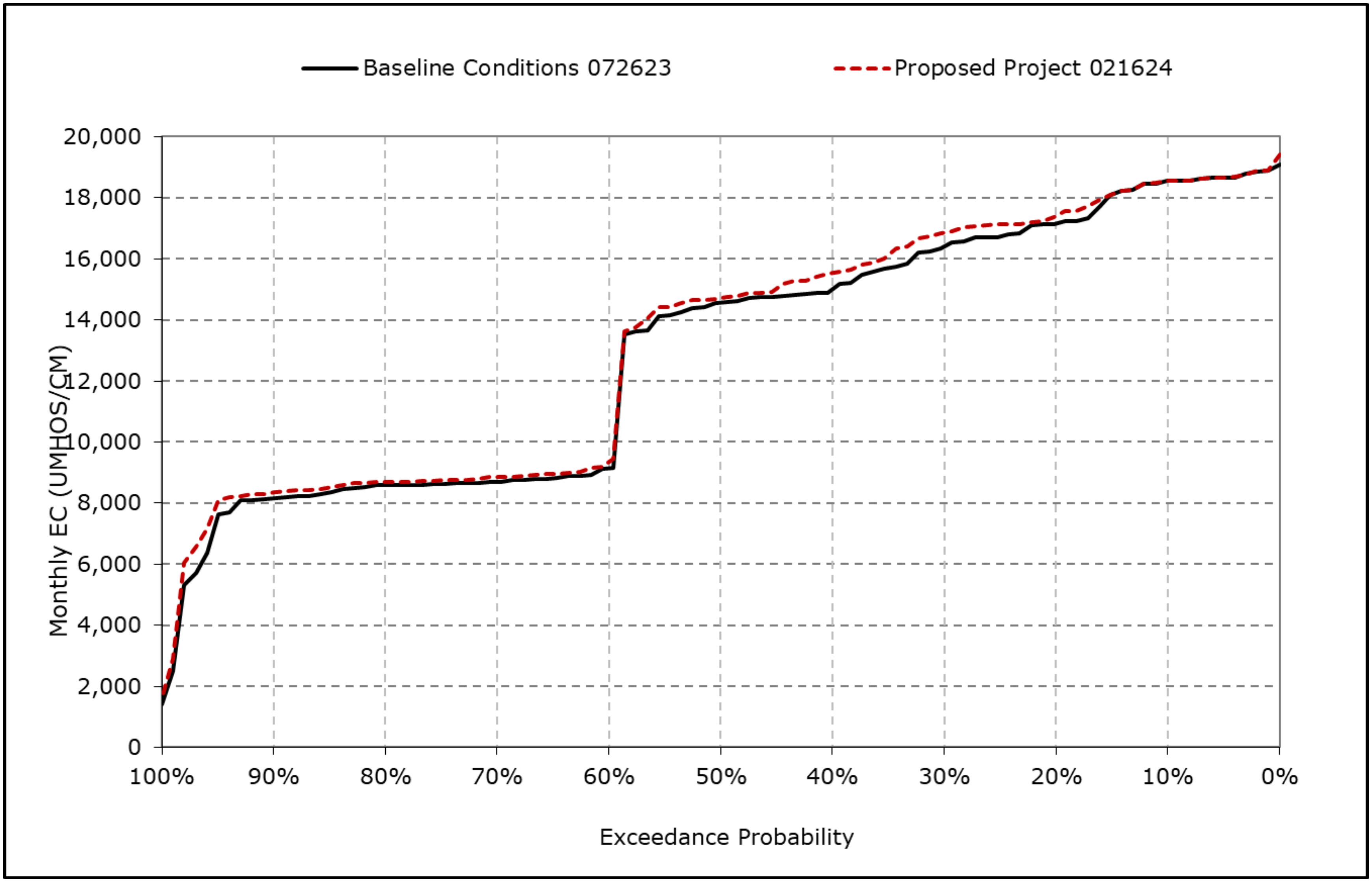
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-23q. Suisun Bay near Ryer, August EC



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

Figure 4B-6-23r. Suisun Bay near Ryer, September EC



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

Table 4B-6-24-1a. Goodyear Slough Outfall at Naval Fleet, Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	16,274	15,844	14,107	11,917	8,566	6,431	7,819	8,214	10,855	14,242	16,505	16,525
20% Exceedance	15,939	14,899	13,391	10,634	6,712	4,841	5,226	7,158	9,152	11,474	14,071	14,764
30% Exceedance	15,038	14,218	12,953	9,529	5,245	3,546	3,766	6,086	7,981	9,716	10,929	13,640
40% Exceedance	14,634	13,572	12,455	7,959	4,373	2,644	3,042	4,536	6,614	8,822	10,001	13,074
50% Exceedance	14,250	12,168	11,373	6,494	3,117	2,057	2,349	2,975	5,336	8,403	9,134	12,680
60% Exceedance	9,950	11,296	9,206	5,038	1,566	1,743	1,854	2,250	4,643	7,219	8,733	11,451
70% Exceedance	9,737	10,853	7,196	2,722	1,309	1,052	1,349	1,752	3,182	6,269	8,371	11,133
80% Exceedance	9,422	9,372	6,354	1,417	1,014	882	1,062	1,123	1,598	4,142	7,944	10,246
90% Exceedance	8,901	8,124	4,001	949	756	775	834	819	830	2,908	6,428	8,990
Full Simulation Period Average[a]	12,526	12,047	9,847	6,402	3,846	2,872	3,262	4,115	5,782	8,117	10,239	12,374
Wet Water Years (30%)	11,547	10,212	6,307	2,452	1,185	956	1,109	1,413	2,209	4,607	8,093	9,989
Above Normal Years (11%)	12,489	12,121	10,203	5,219	1,960	1,430	1,559	1,998	3,618	5,253	6,453	8,937
Below Normal Years (21%)	12,097	11,688	10,553	7,293	3,775	2,714	2,721	3,446	5,418	7,585	8,476	12,654
Dry Water Years (22%)	12,669	12,936	11,687	8,983	5,750	4,004	4,607	5,931	7,892	10,529	12,292	13,999
Critical Water Years (16%)	14,752	14,684	12,785	9,903	7,607	6,105	7,329	9,021	11,545	14,049	16,354	16,604

Table 4B-6-24-1b. Goodyear Slough Outfall at Naval Fleet, Proposed Project 021624, Monthly EC (UMHOS/CM)

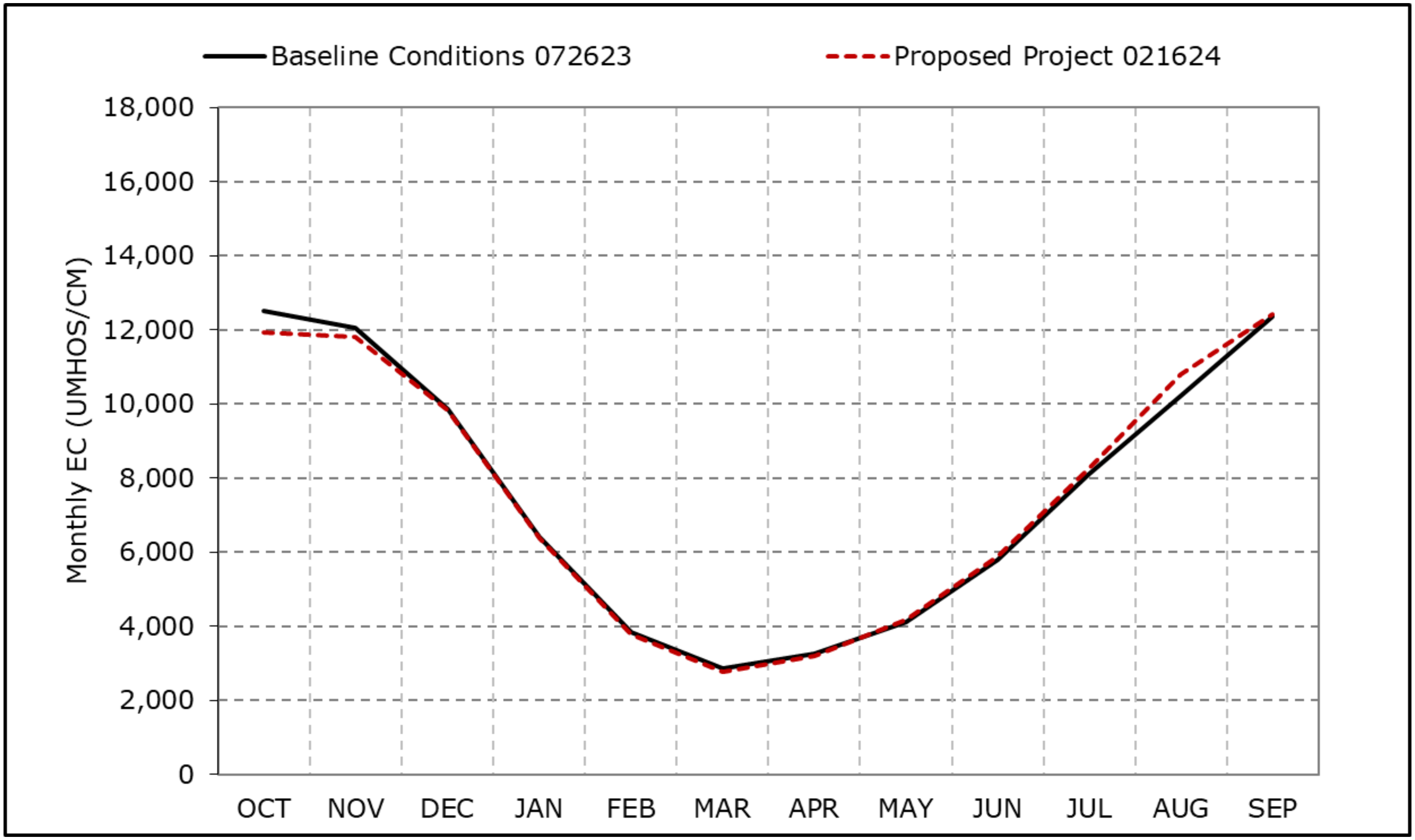
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	16,061	15,853	14,014	11,883	8,568	6,166	7,743	8,333	10,898	14,348	16,540	16,529
20% Exceedance	14,890	14,526	13,363	10,788	6,639	4,671	4,896	6,912	8,882	11,443	14,061	14,661
30% Exceedance	14,379	13,874	12,959	9,465	5,128	3,460	3,588	6,248	8,096	10,132	12,425	13,847
40% Exceedance	13,960	13,351	12,283	7,740	4,237	2,510	2,989	4,447	6,821	9,189	10,479	12,819
50% Exceedance	12,909	11,935	11,331	6,441	3,058	2,057	2,328	3,247	5,672	8,588	9,826	12,307
60% Exceedance	9,979	11,272	9,056	5,069	1,559	1,686	1,807	2,497	4,719	7,617	9,332	11,624
70% Exceedance	9,762	10,190	7,200	2,679	1,305	1,052	1,412	1,856	3,285	6,460	8,980	11,323
80% Exceedance	9,458	9,243	6,317	1,430	1,009	876	1,073	1,199	1,634	4,064	8,606	10,860
90% Exceedance	7,127	8,087	3,847	938	753	775	823	821	858	2,929	7,378	9,038
Full Simulation Period Average[a]	11,933	11,814	9,821	6,373	3,793	2,781	3,191	4,172	5,887	8,284	10,810	12,411
Wet Water Years (30%)	10,929	9,964	6,290	2,445	1,173	956	1,133	1,533	2,320	4,554	8,217	10,307
Above Normal Years (11%)	11,949	11,955	10,171	5,286	1,951	1,414	1,548	2,090	3,748	5,630	7,690	8,998
Below Normal Years (21%)	11,576	11,480	10,625	7,232	3,771	2,693	2,618	3,528	5,629	8,016	9,629	12,341
Dry Water Years (22%)	11,956	12,577	11,634	9,034	5,698	3,784	4,417	5,835	7,847	10,717	12,982	13,987
Critical Water Years (16%)	14,244	14,577	12,652	9,699	7,381	5,881	7,244	9,109	11,688	14,108	16,382	16,629

Table 4B-6-24-1c. Goodyear Slough Outfall at Naval Fleet, Proposed Project 021624 minus Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-213	9	-92	-35	2	-265	-77	120	44	106	35	5
20% Exceedance	-1,049	-373	-28	153	-73	-170	-330	-247	-269	-31	-10	-103
30% Exceedance	-659	-343	6	-63	-117	-86	-178	161	115	415	1,496	207
40% Exceedance	-674	-220	-173	-219	-136	-134	-53	-89	207	367	478	-255
50% Exceedance	-1,341	-234	-42	-53	-59	0	-21	271	336	185	692	-372
60% Exceedance	29	-24	-150	31	-7	-57	-47	247	76	398	599	172
70% Exceedance	25	-664	4	-44	-3	0	63	105	103	191	609	190
80% Exceedance	37	-129	-37	13	-5	-6	11	77	35	-77	662	614
90% Exceedance	-1,774	-38	-154	-12	-3	1	-11	2	28	21	950	48
Full Simulation Period Average[a]	-592	-232	-26	-29	-53	-90	-71	56	105	167	571	37
Wet Water Years (30%)	-618	-247	-16	-7	-12	0	23	119	111	-53	124	317
Above Normal Years (11%)	-540	-167	-32	66	-9	-16	-11	92	130	377	1,237	60
Below Normal Years (21%)	-521	-208	72	-62	-4	-21	-103	82	211	431	1,153	-314
Dry Water Years (22%)	-713	-359	-53	51	-51	-220	-190	-96	-45	188	690	-12
Critical Water Years (16%)	-508	-107	-133	-204	-226	-224	-84	88	143	59	27	25

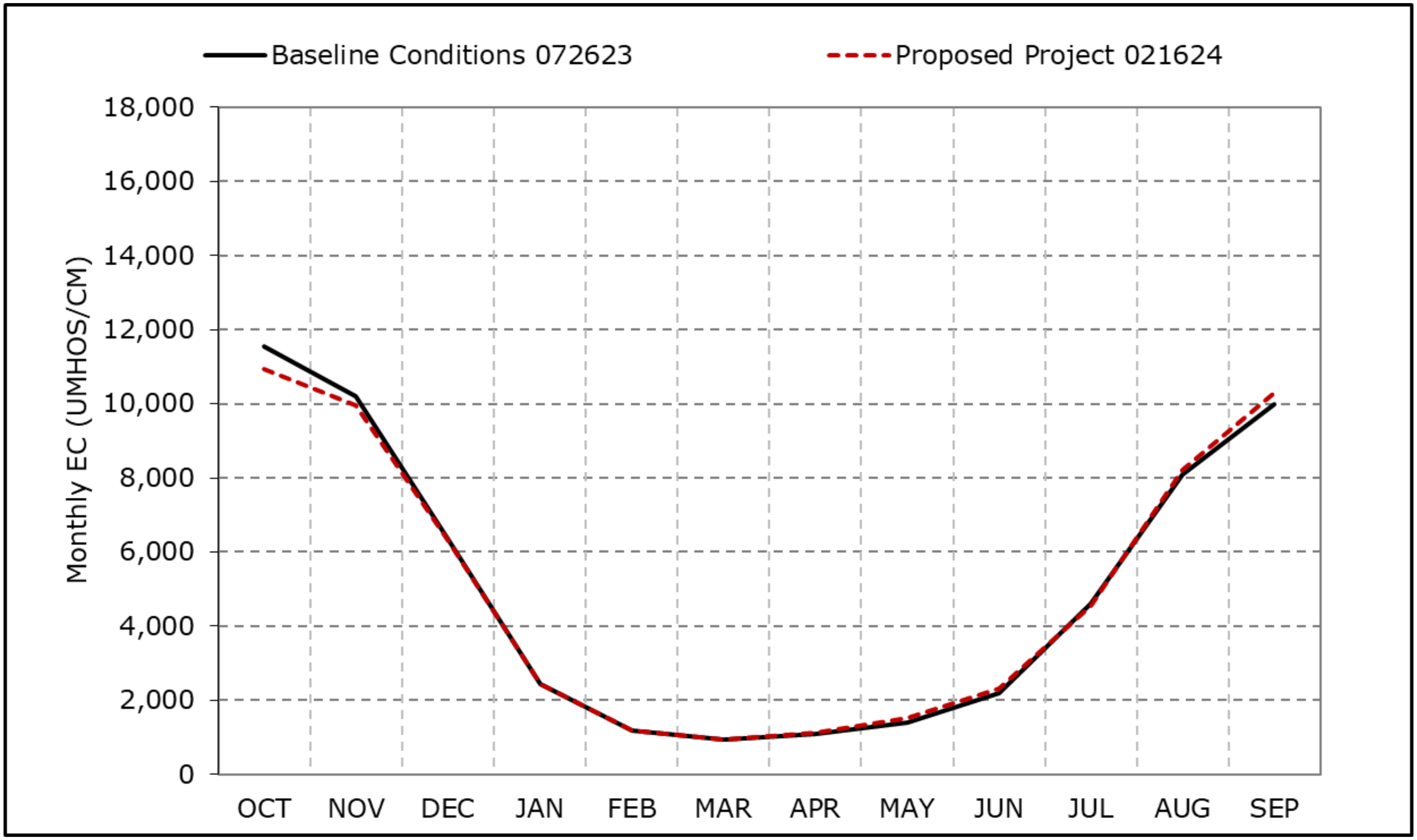
[a] Based on the 100-year simulation period.
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-6-24a. Goodyear Slough Outfall at Naval Fleet, Long-Term Average EC



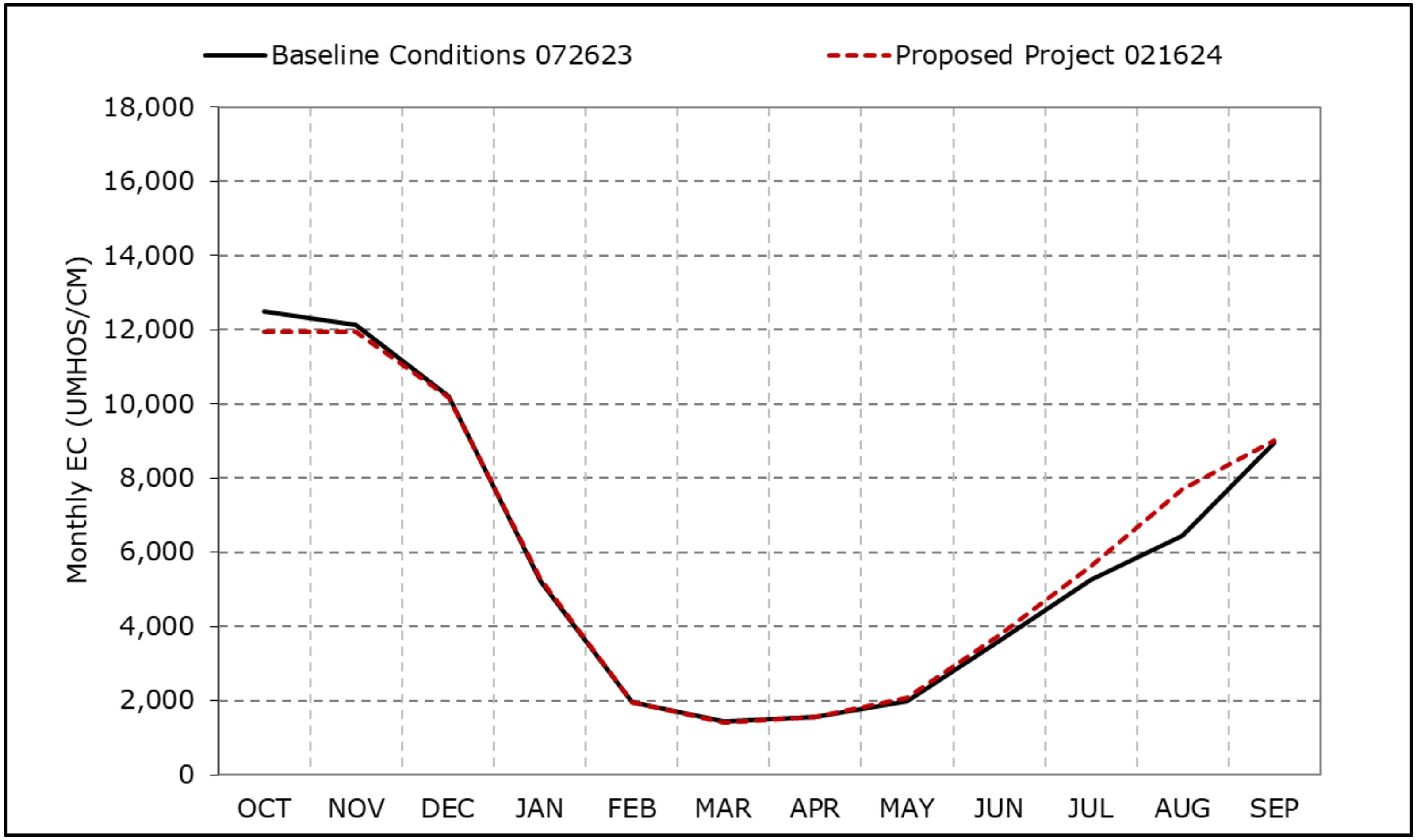
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-24b. Goodyear Slough Outfall at Naval Fleet, Wet Year Average EC



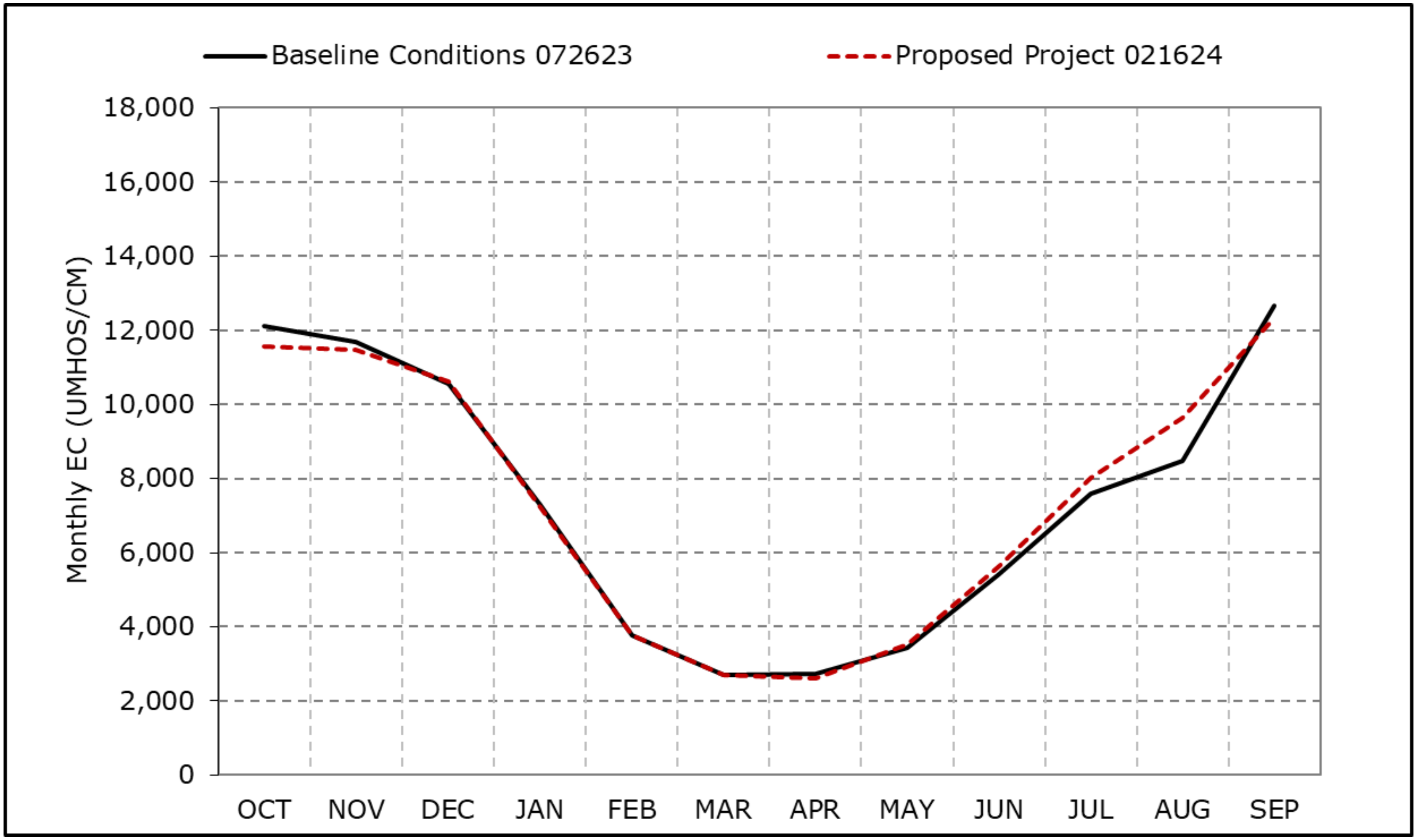
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-24c. Goodyear Slough Outfall at Naval Fleet, Above Normal Year Average EC



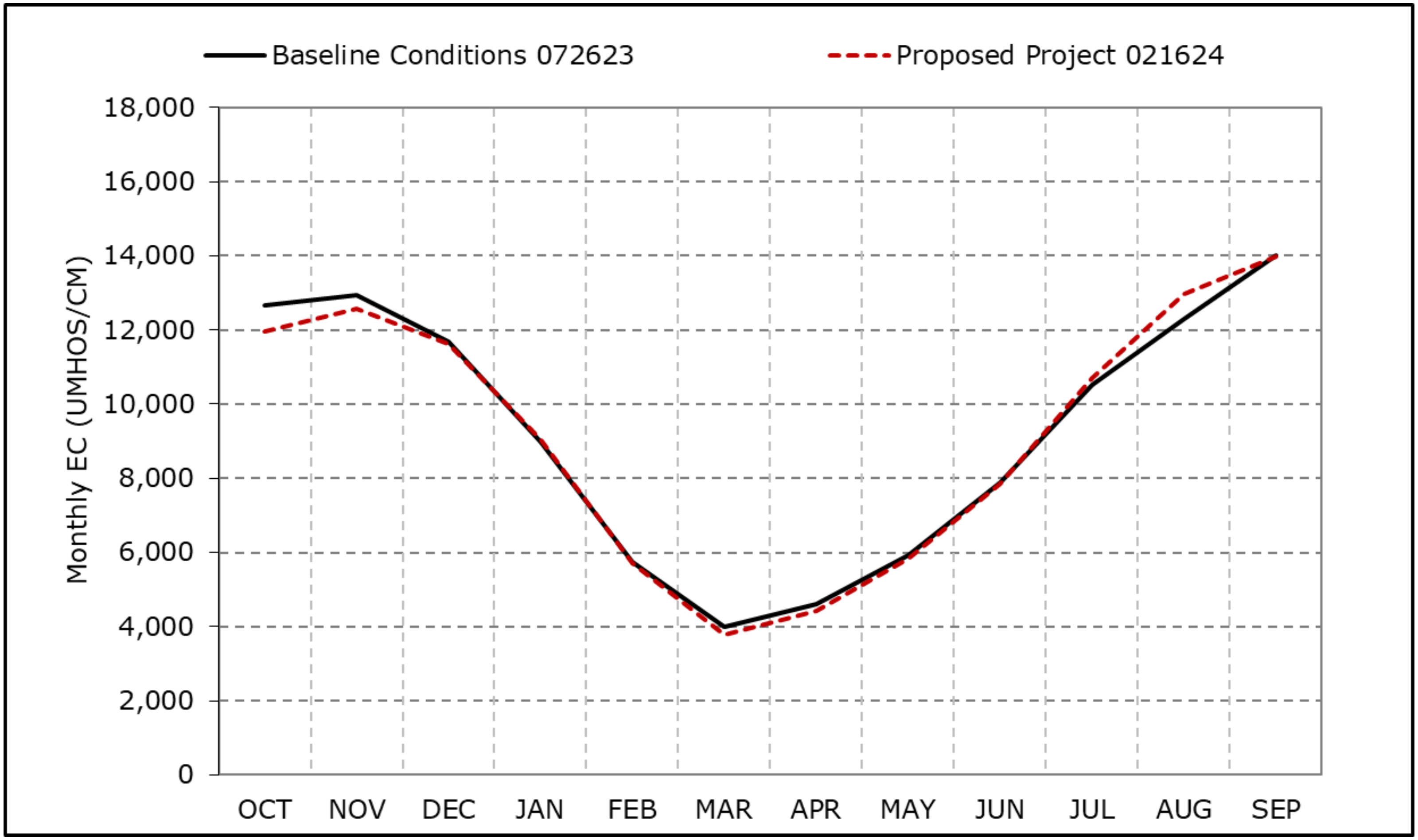
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-24d. Goodyear Slough Outfall at Naval Fleet, Below Normal Year Average EC



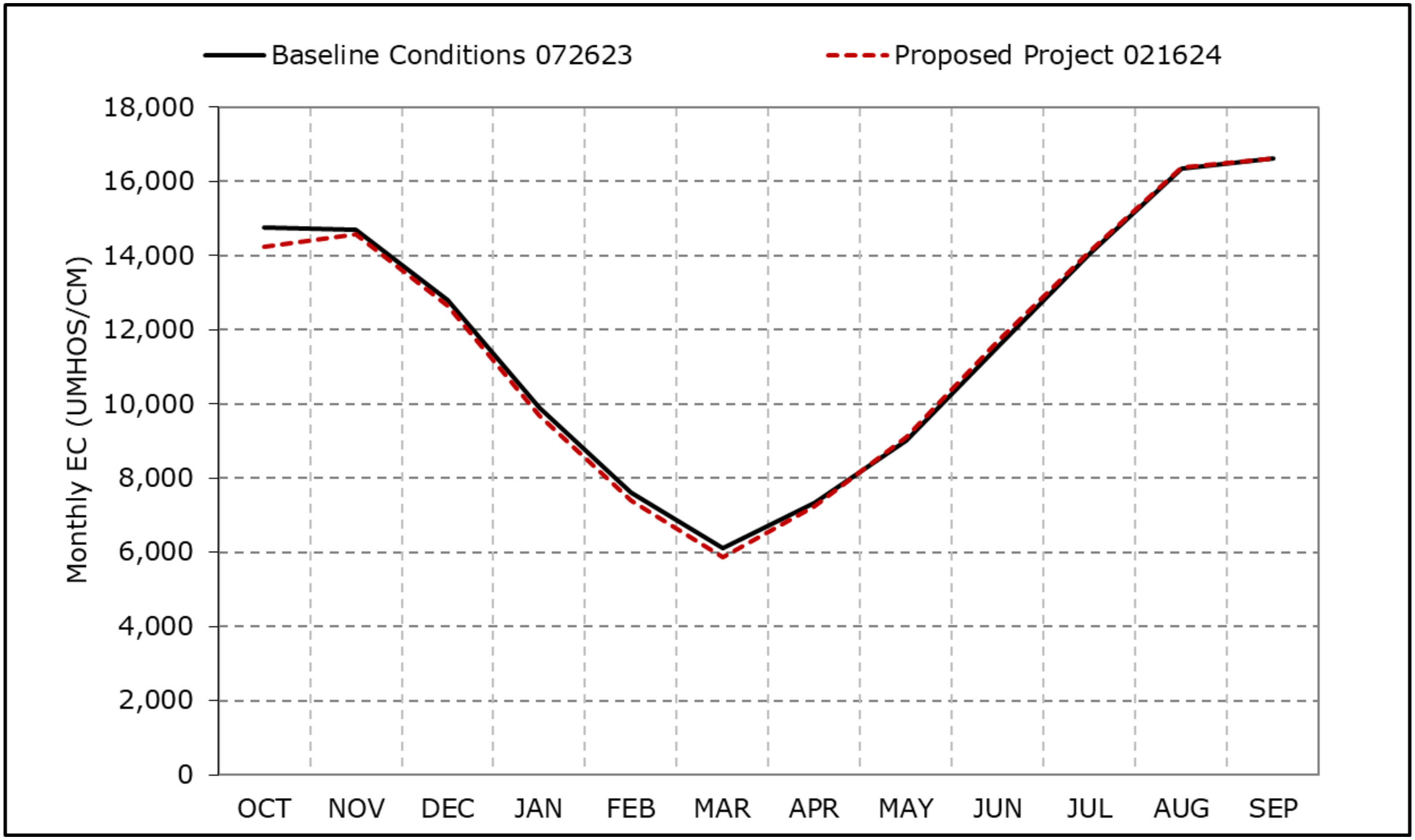
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-24e. Goodyear Slough Outfall at Naval Fleet, Dry Year Average EC



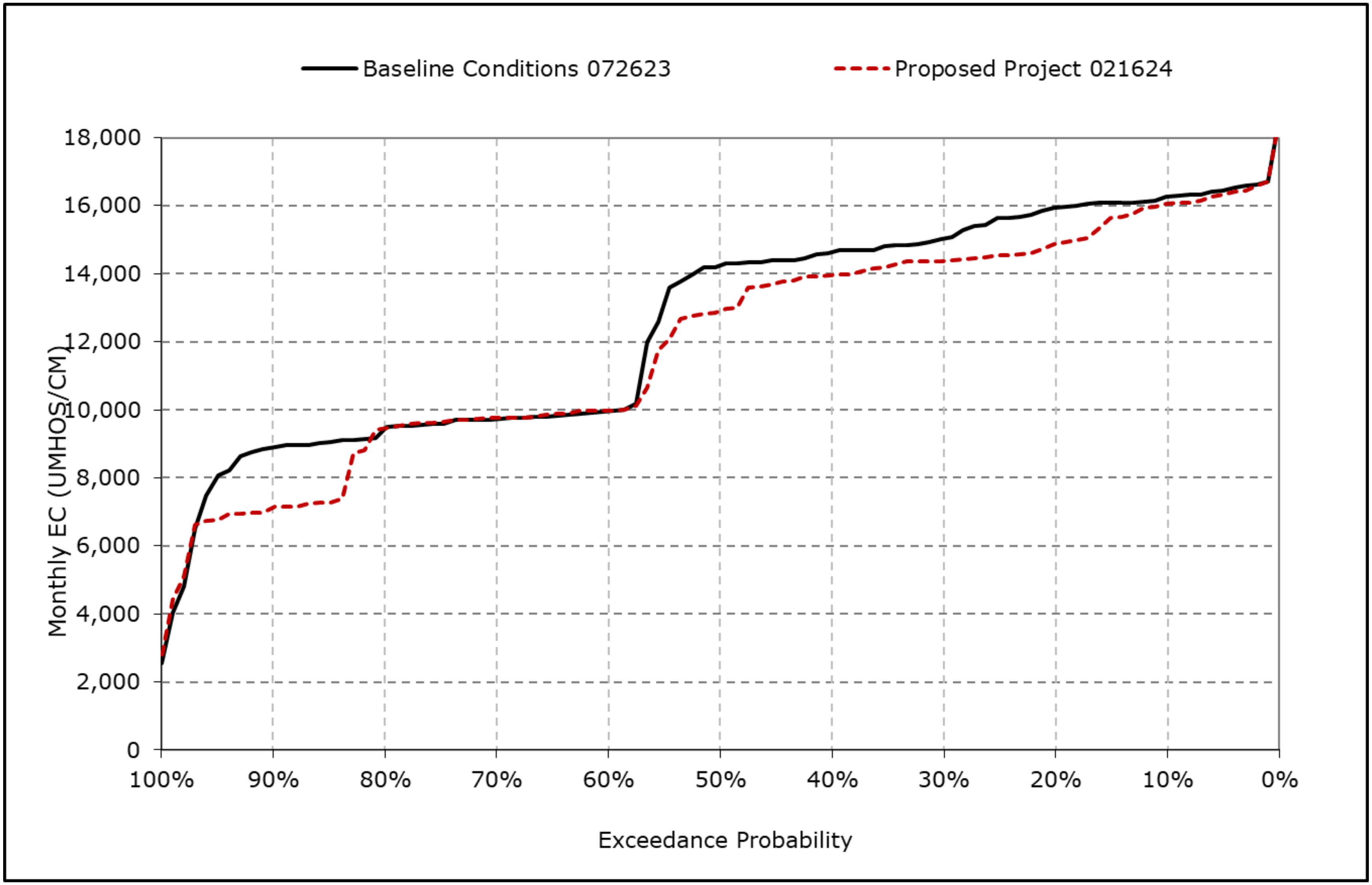
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-24f. Goodyear Slough Outfall at Naval Fleet, Critical Year Average EC



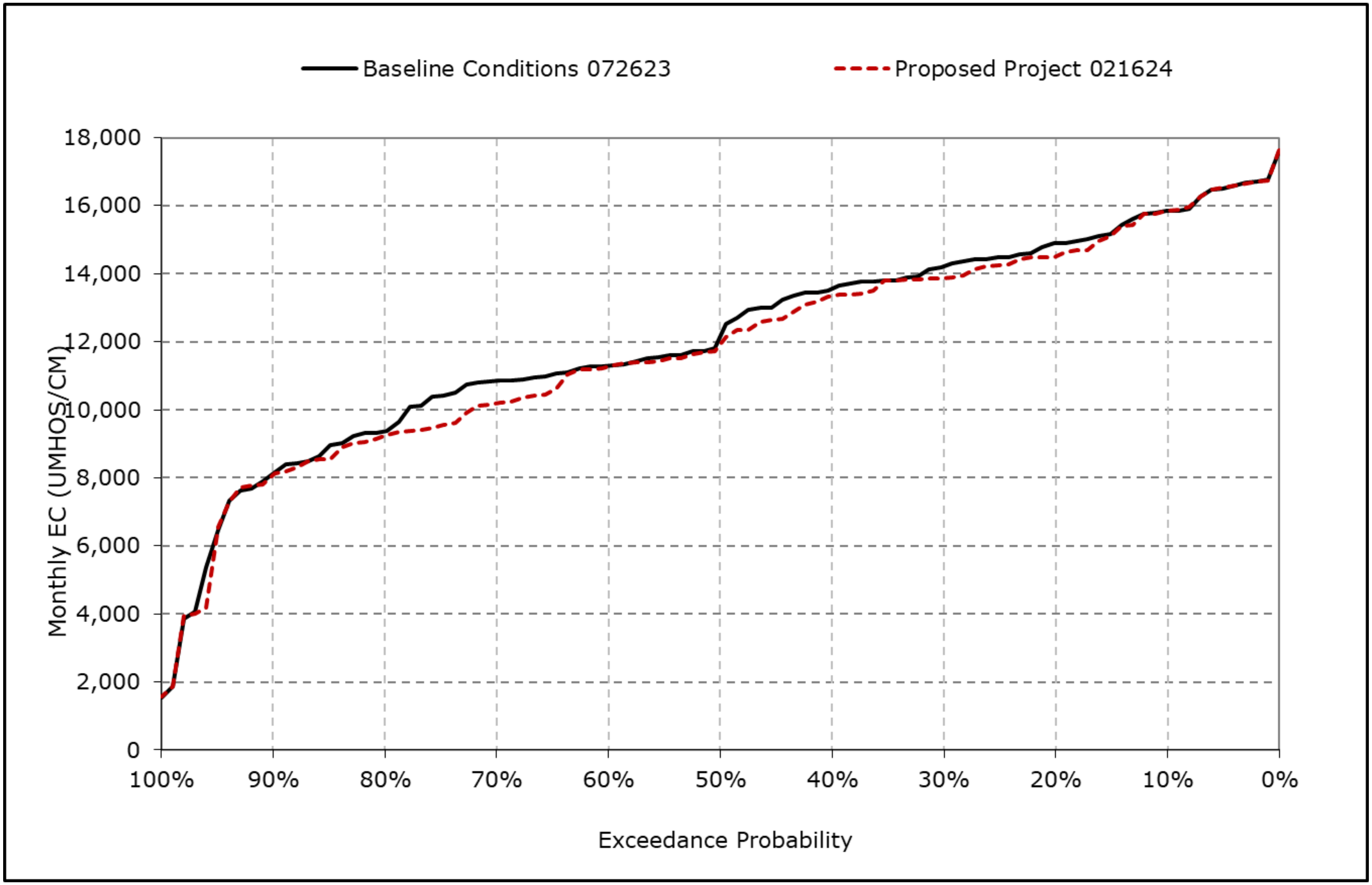
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-24g. Goodyear Slough Outfall at Naval Fleet, October EC



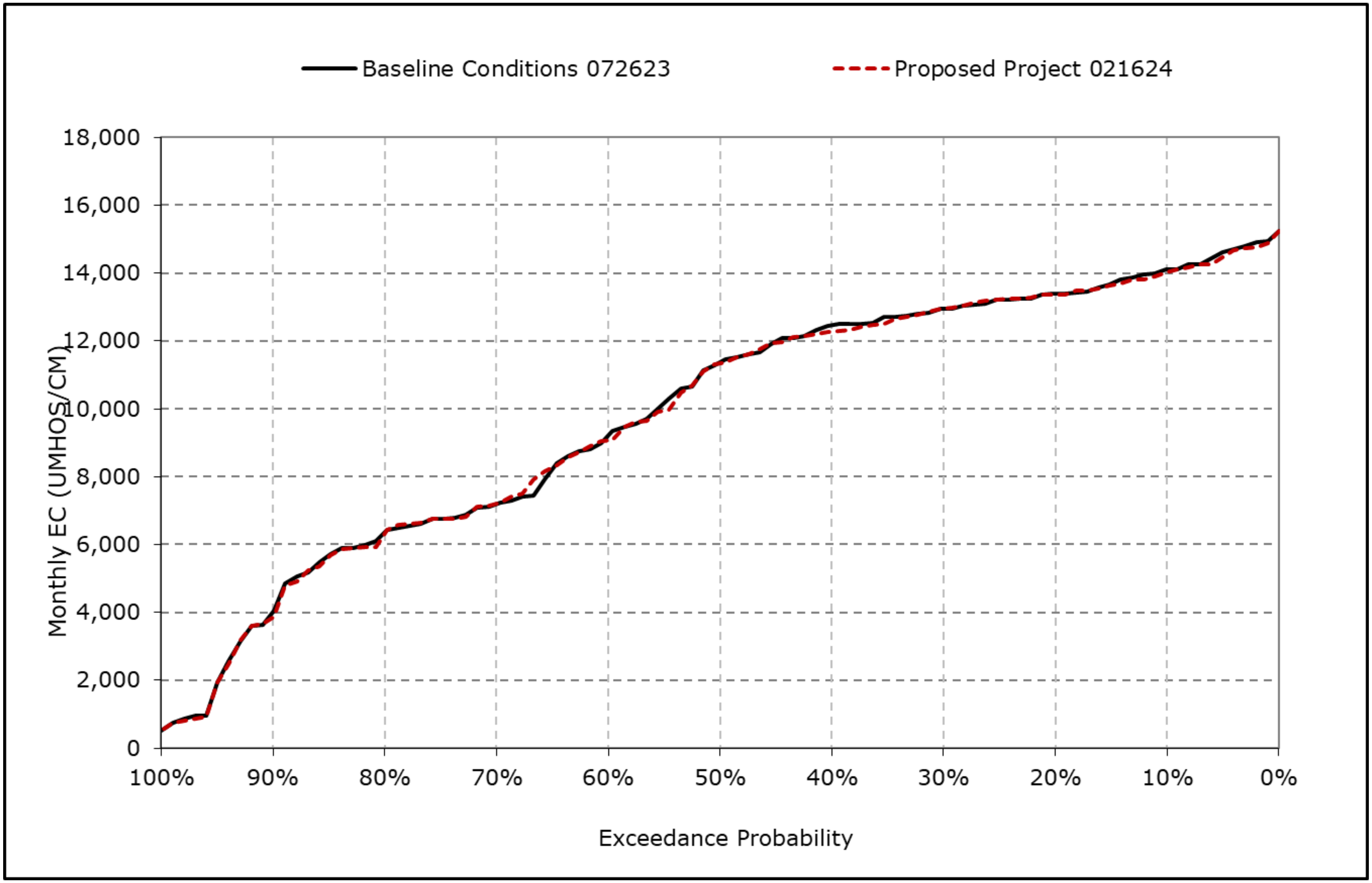
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-24h. Goodyear Slough Outfall at Naval Fleet, November EC



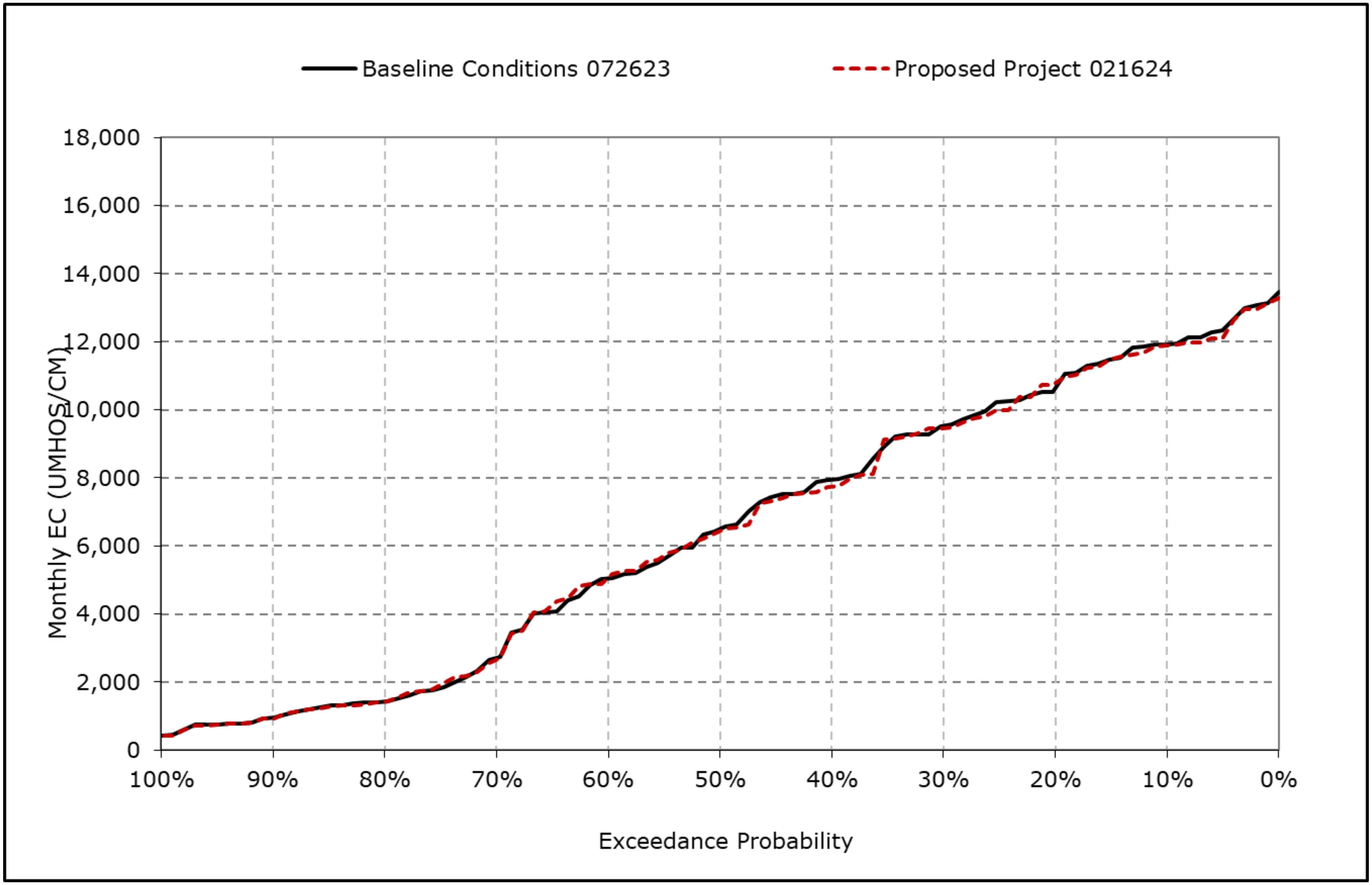
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-24i. Goodyear Slough Outfall at Naval Fleet, December EC



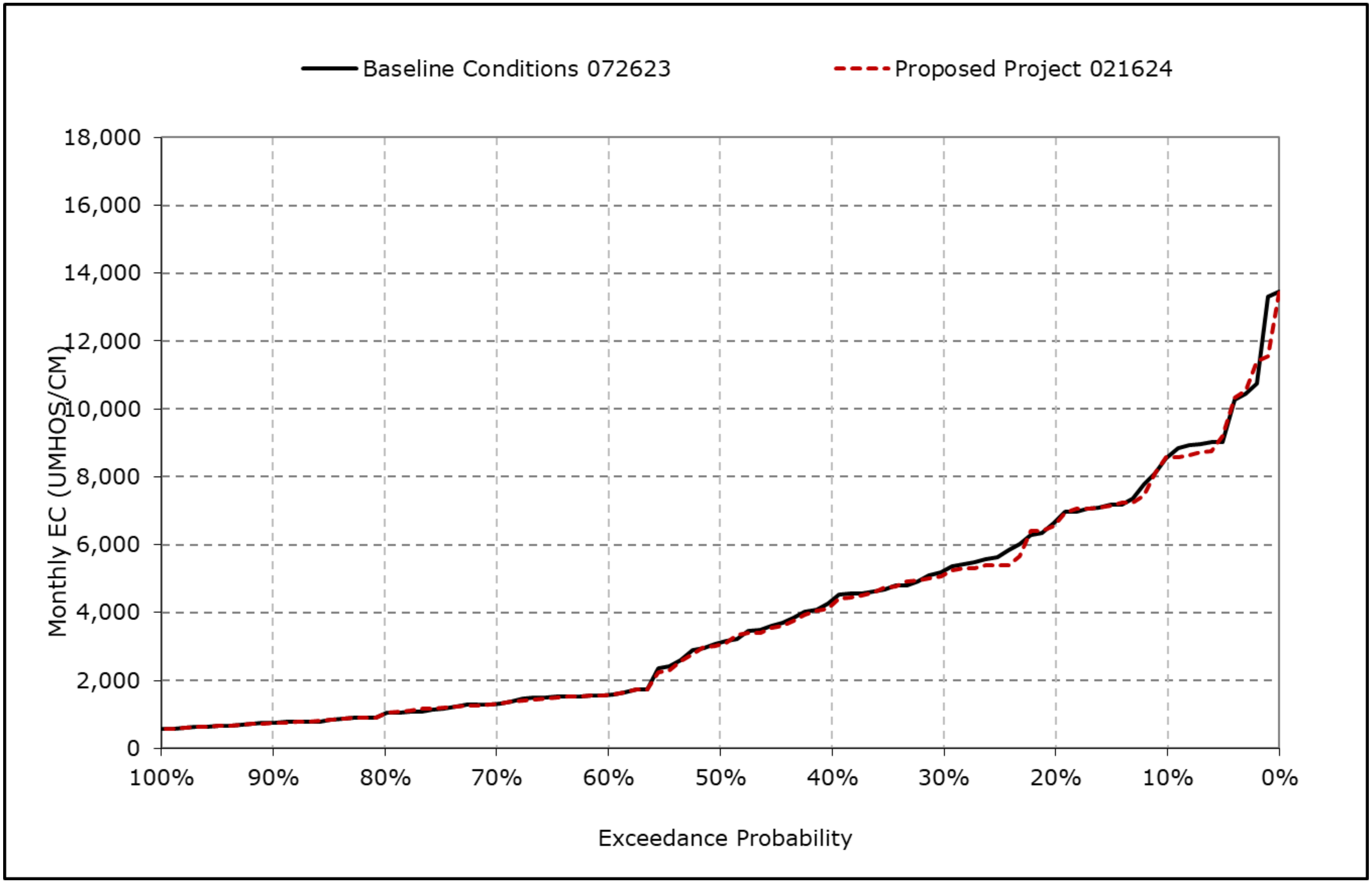
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-24j. Goodyear Slough Outfall at Naval Fleet, January EC



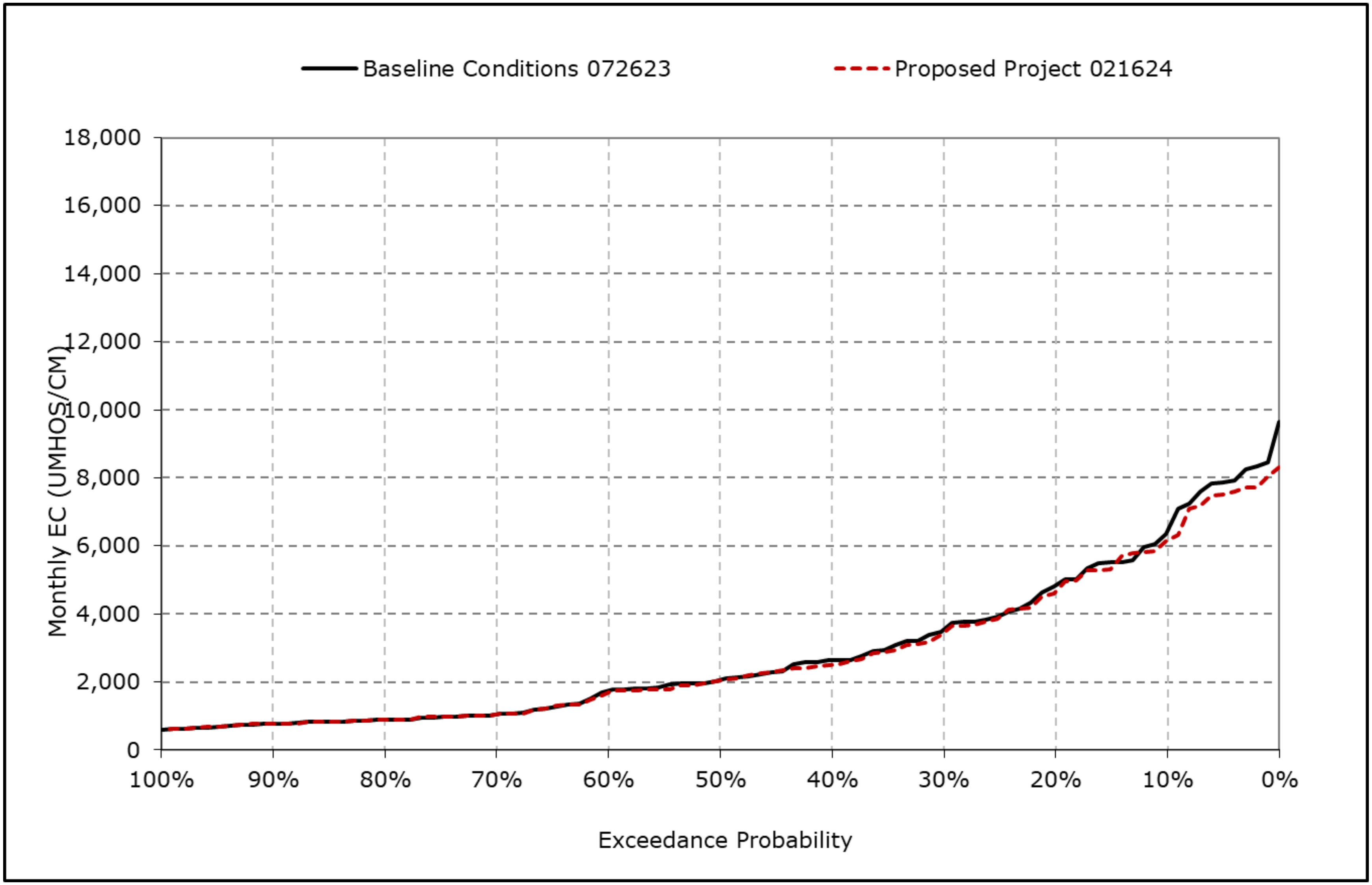
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-24k. Goodyear Slough Outfall at Naval Fleet, February EC



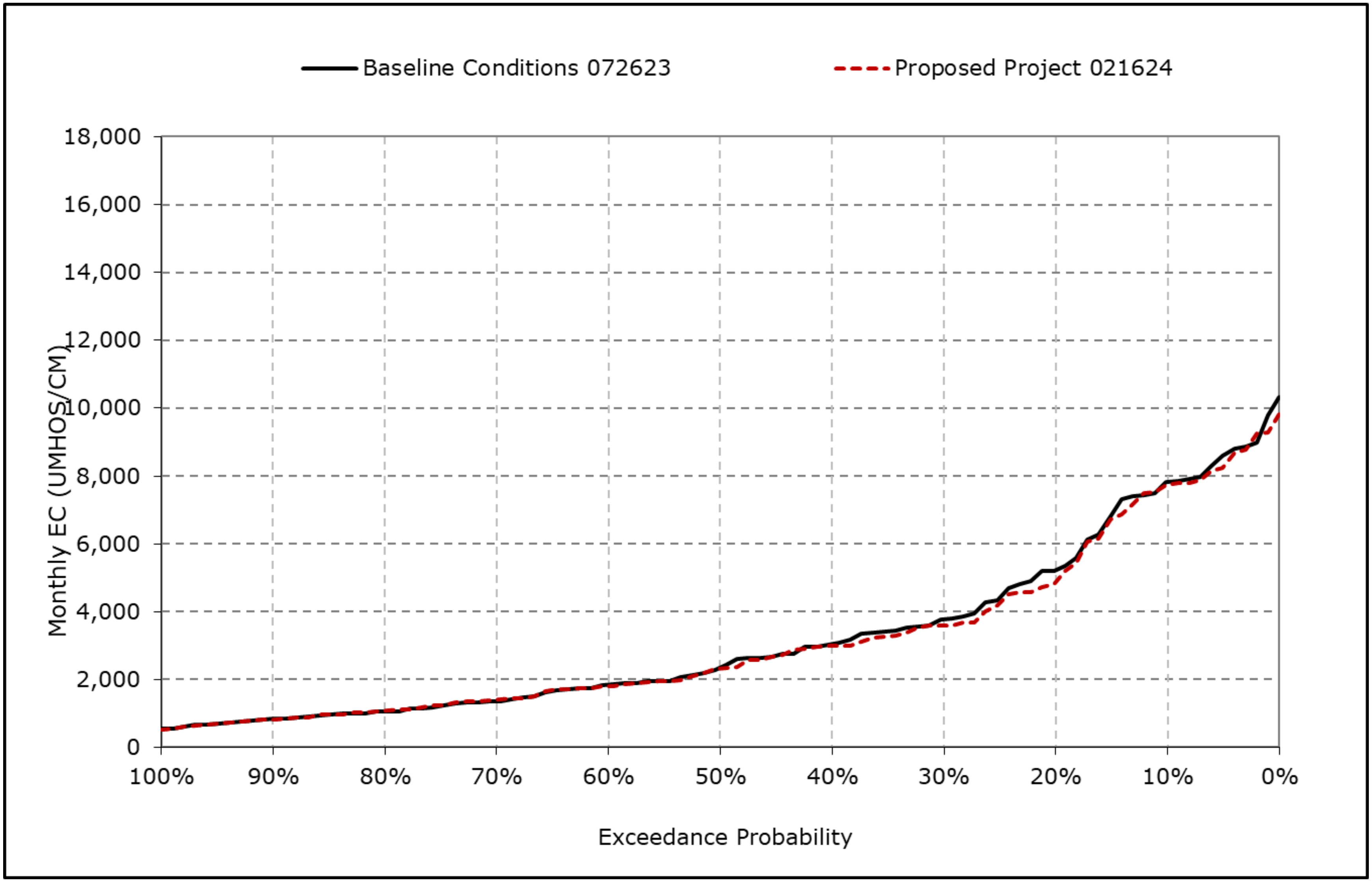
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-24l. Goodyear Slough Outfall at Naval Fleet, March EC



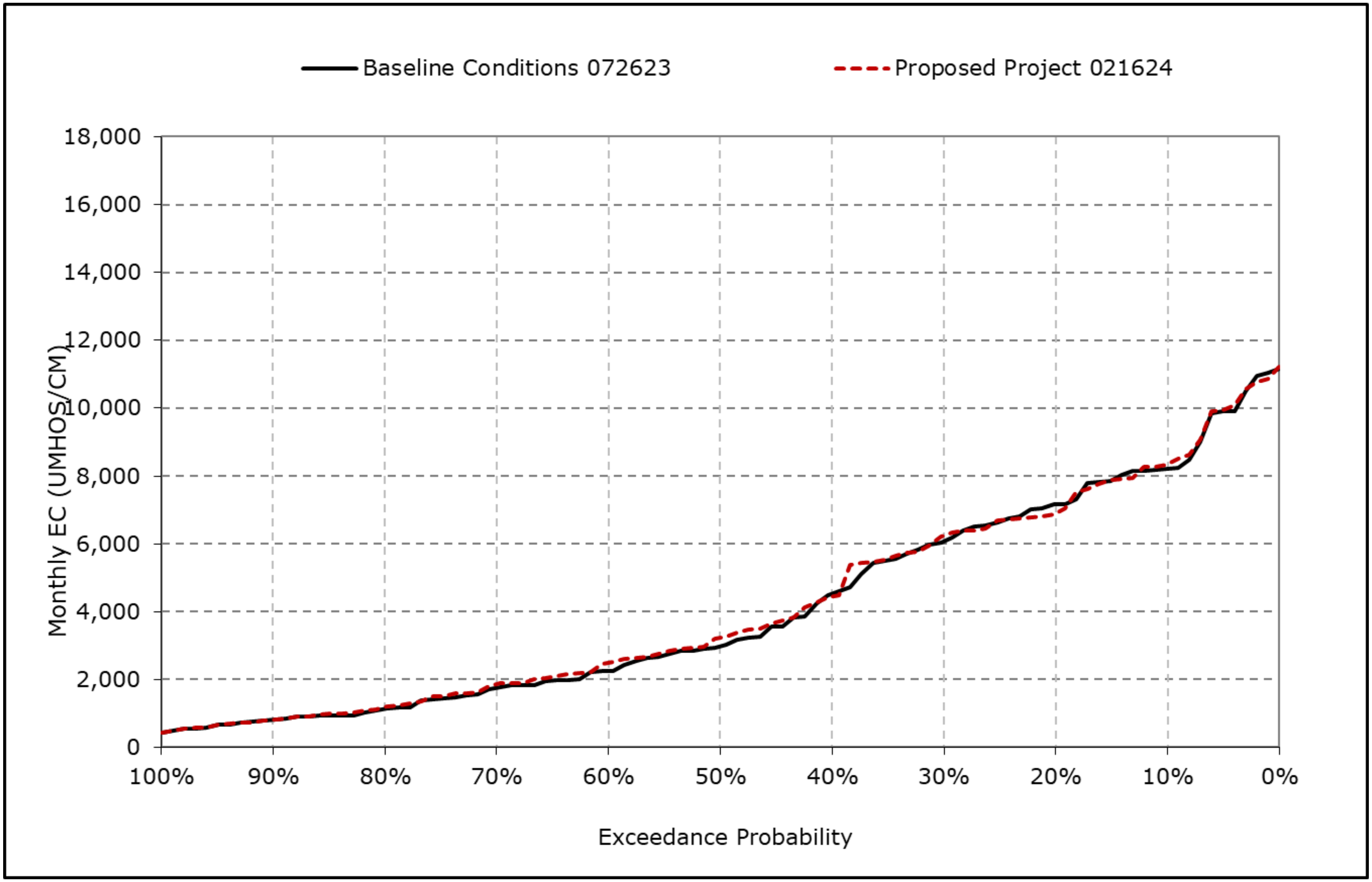
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-24m. Goodyear Slough Outfall at Naval Fleet, April EC



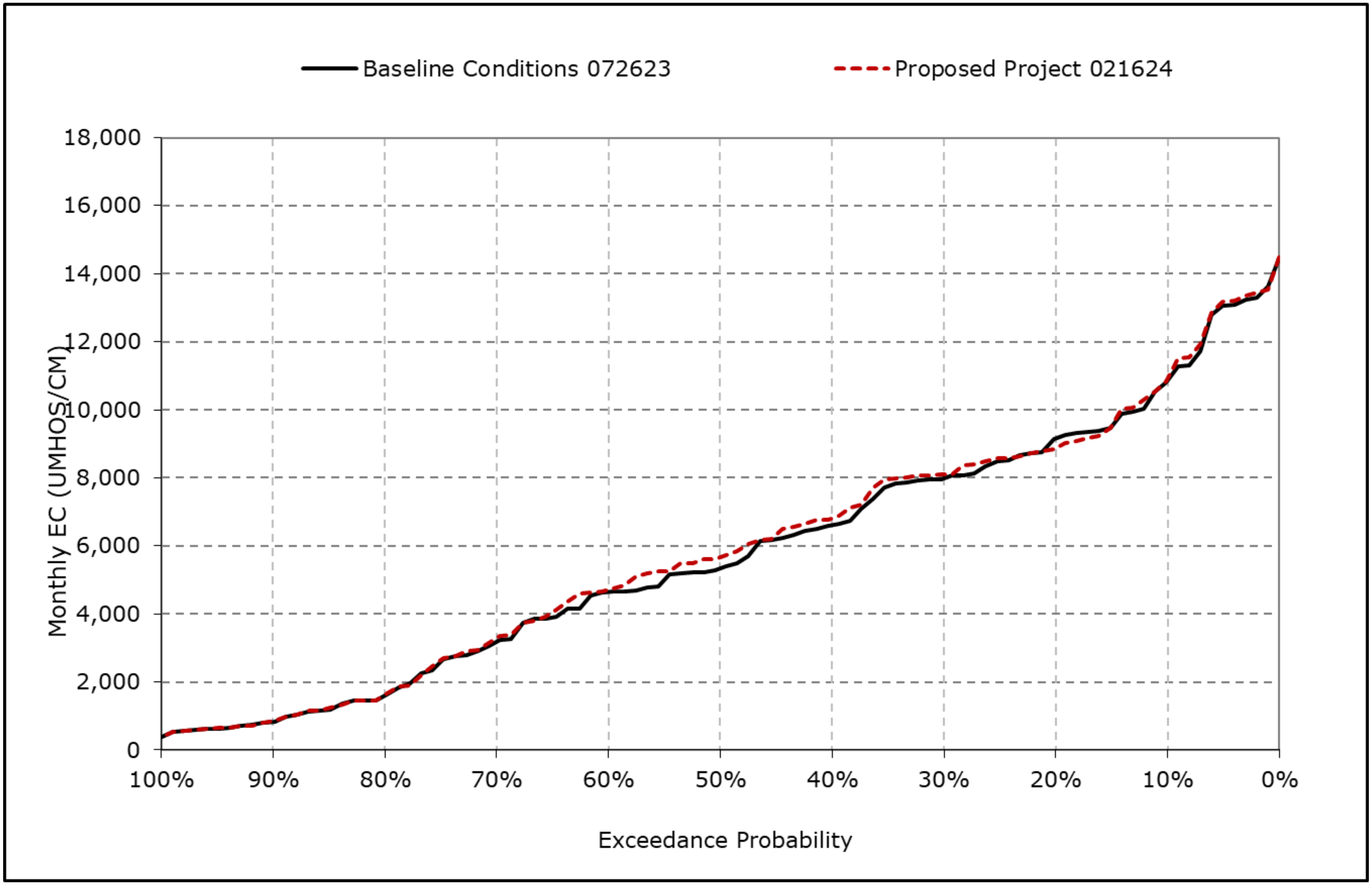
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-24n. Goodyear Slough Outfall at Naval Fleet, May EC



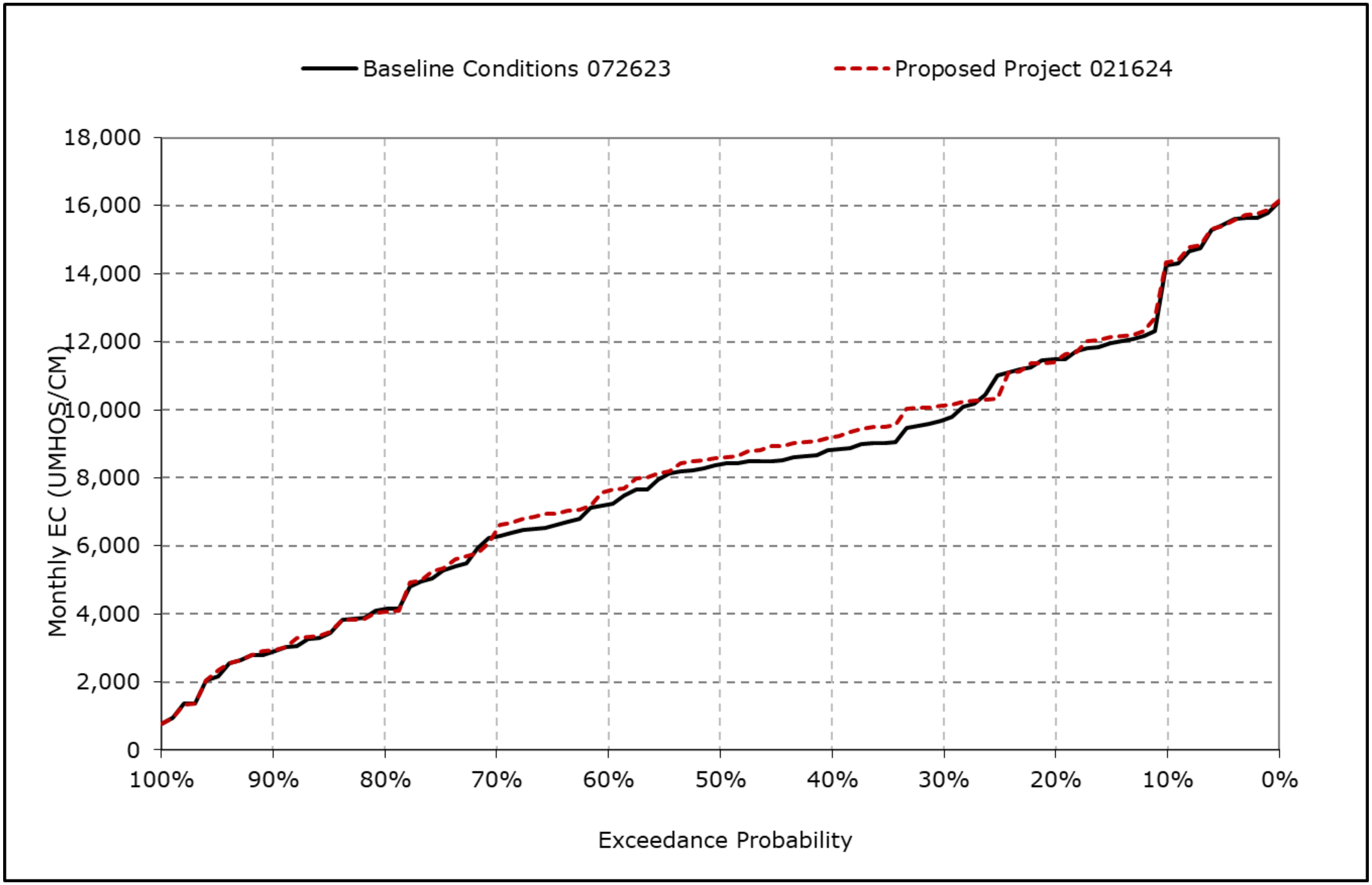
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-24o. Goodyear Slough Outfall at Naval Fleet, June EC



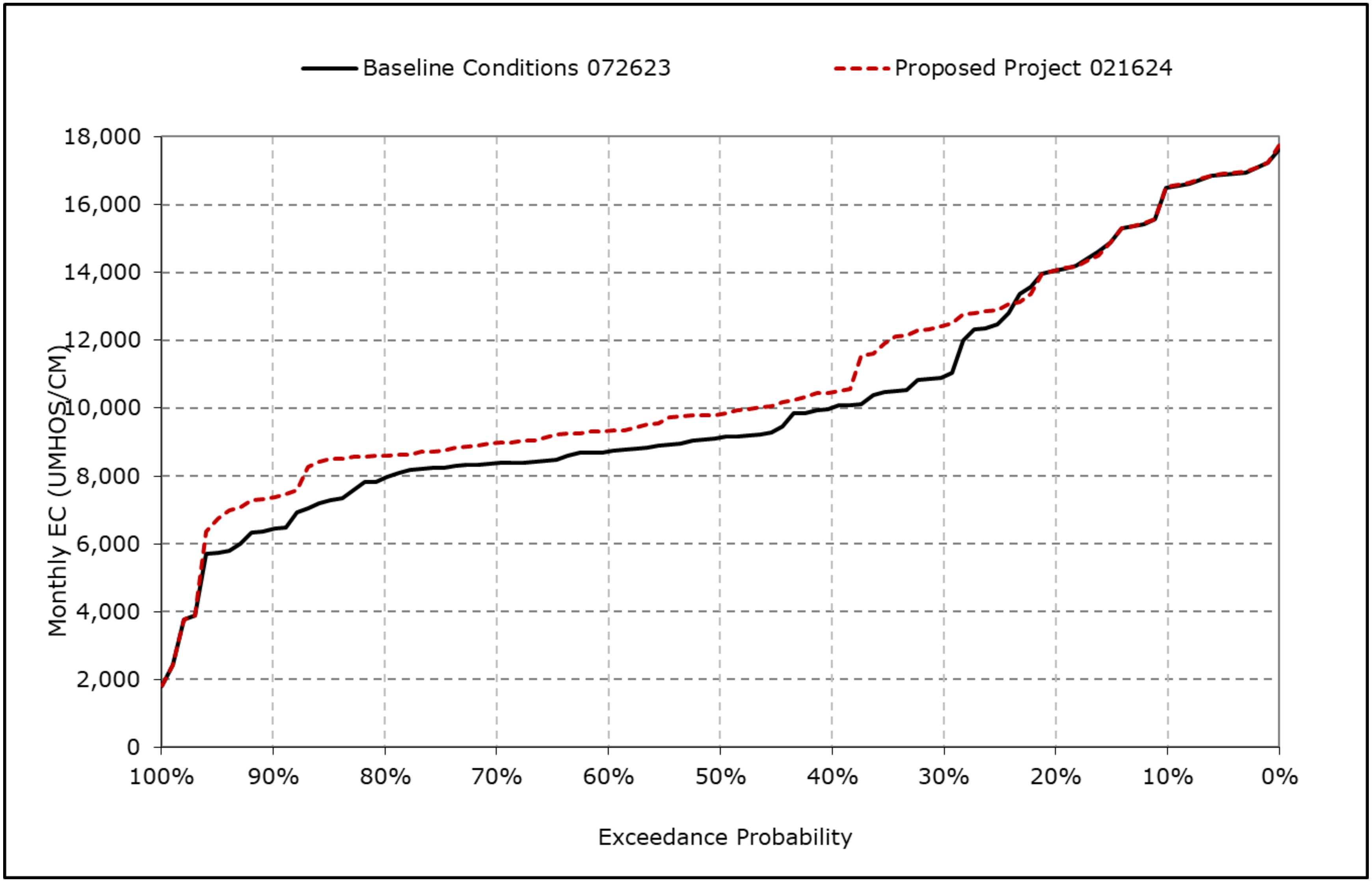
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-24p. Goodyear Slough Outfall at Naval Fleet, July EC



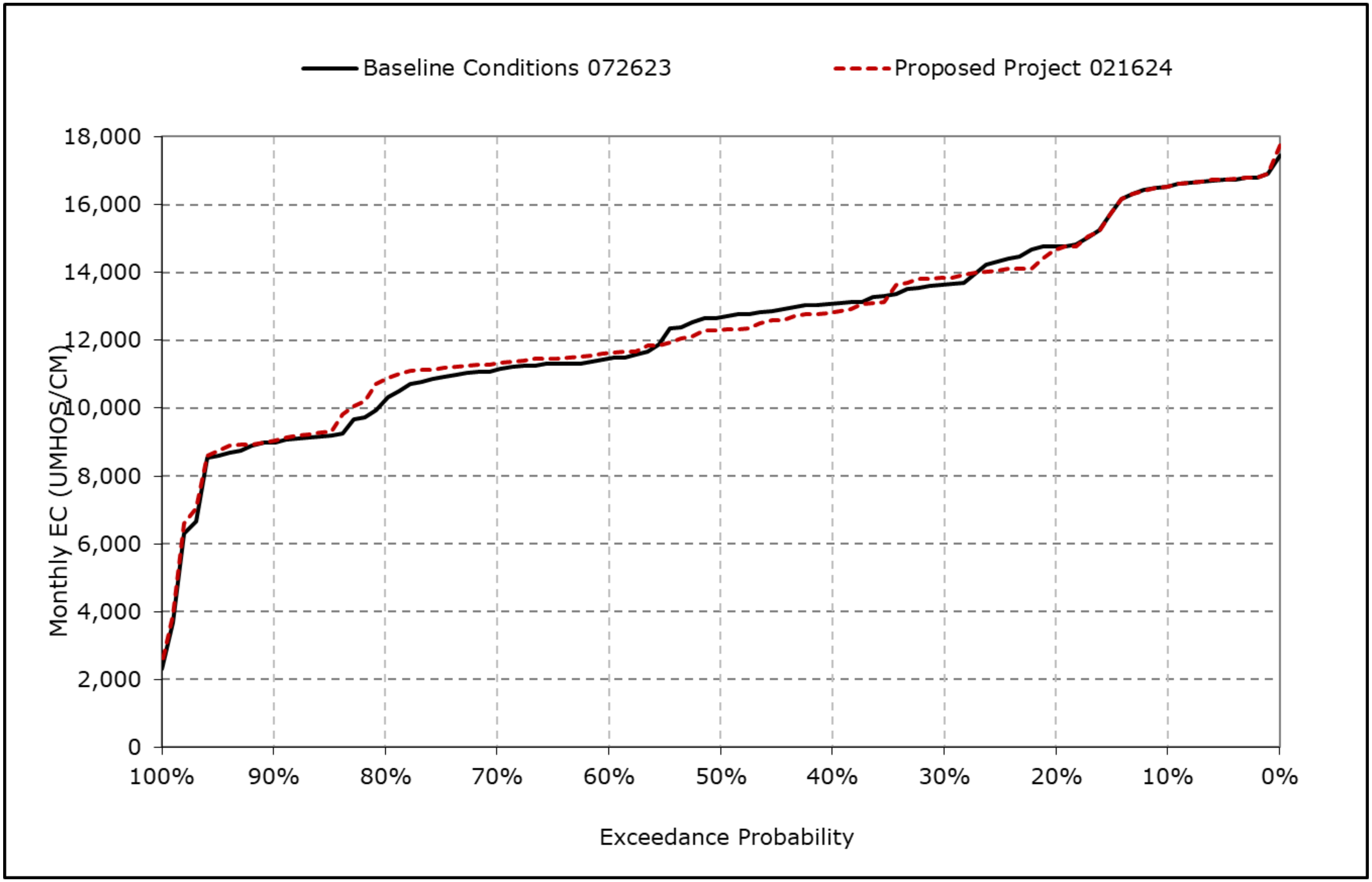
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-24q. Goodyear Slough Outfall at Naval Fleet, August EC



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

Figure 4B-6-24r. Goodyear Slough Outfall at Naval Fleet, September EC



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

Table 4B-6-25-1a. Three Mile Slough, Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,084	2,095	1,392	916	366	279	291	397	697	910	1,404	1,737
20% Exceedance	1,630	1,596	1,229	646	264	223	245	269	400	606	1,065	1,450
30% Exceedance	1,502	1,364	921	485	246	211	229	257	361	490	879	1,340
40% Exceedance	1,254	1,142	829	343	225	206	217	231	330	411	673	1,030
50% Exceedance	1,017	680	629	297	207	202	210	214	281	360	601	866
60% Exceedance	296	580	390	227	199	198	206	205	233	278	415	334
70% Exceedance	270	517	299	199	191	193	198	197	206	256	376	309
80% Exceedance	256	416	248	191	188	189	193	189	188	227	347	295
90% Exceedance	248	255	207	184	183	185	185	179	179	211	311	274
Full Simulation Period Average[a]	988	1,019	717	427	265	223	230	255	351	445	698	889
Wet Water Years (30%)	773	655	334	223	188	188	190	187	199	225	325	280
Above Normal Years (11%)	1,042	1,105	619	259	198	194	202	199	228	245	357	296
Below Normal Years (21%)	857	851	842	419	232	206	218	222	304	364	615	928
Dry Water Years (22%)	954	1,057	883	556	303	234	236	253	365	542	931	1,317
Critical Water Years (16%)	1,571	1,813	1,113	760	448	317	329	469	763	970	1,419	1,801

Table 4B-6-25-1b. Three Mile Slough, Proposed Project 021624, Monthly EC (UMHOS/CM)

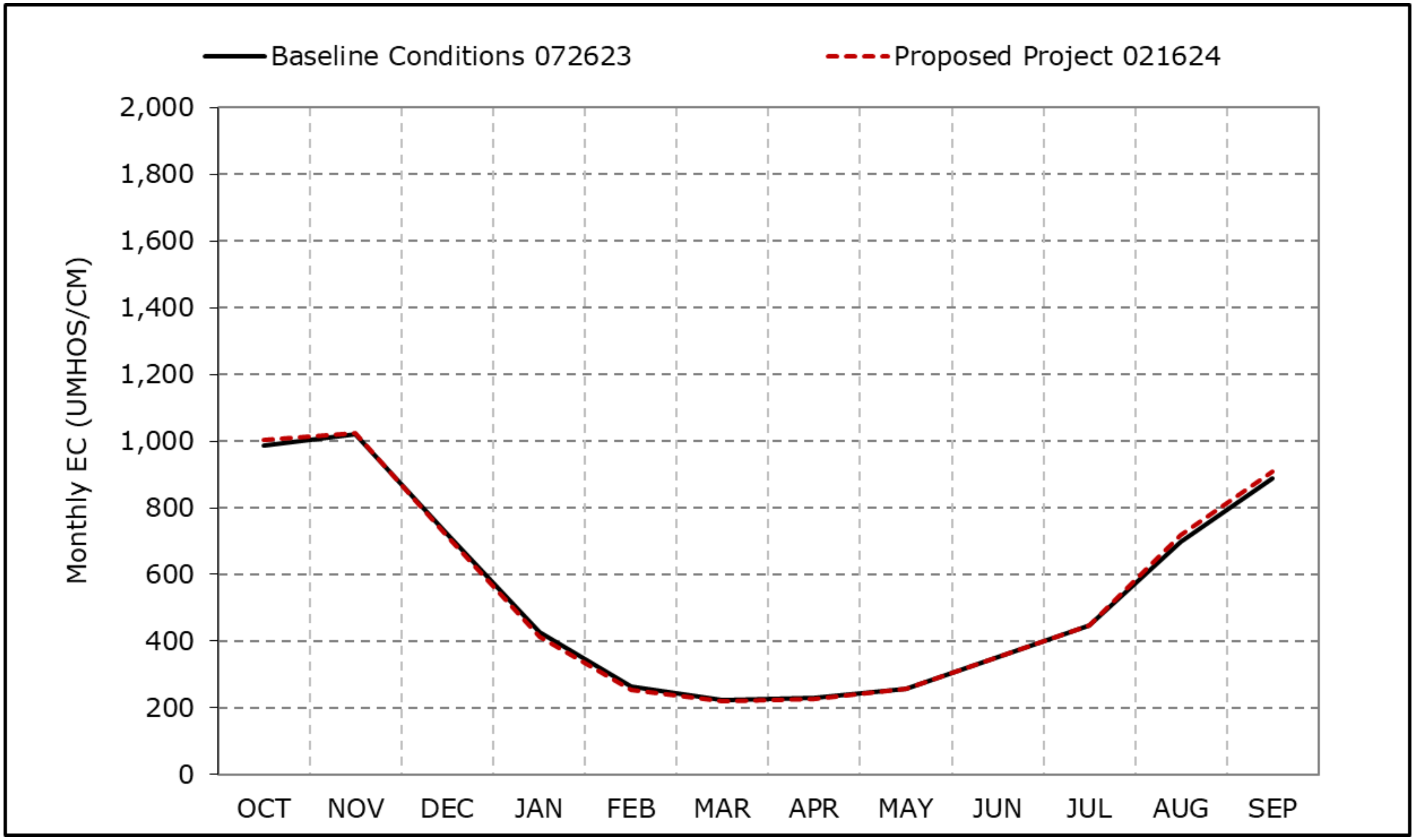
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	2,084	2,097	1,420	865	346	270	285	413	733	915	1,380	1,739
20% Exceedance	1,659	1,601	1,191	663	265	222	246	270	387	629	1,076	1,526
30% Exceedance	1,483	1,392	957	468	245	212	227	257	367	497	974	1,341
40% Exceedance	1,245	1,141	825	343	225	207	214	230	335	392	666	1,073
50% Exceedance	1,045	713	628	292	207	203	208	210	274	355	601	841
60% Exceedance	298	586	399	230	199	199	204	203	233	279	446	344
70% Exceedance	276	508	299	199	191	192	198	194	204	254	404	323
80% Exceedance	263	412	246	191	188	189	192	188	188	226	380	306
90% Exceedance	248	256	207	184	183	185	184	179	180	211	335	287
Full Simulation Period Average[a]	1,004	1,025	711	415	255	218	228	255	353	446	719	908
Wet Water Years (30%)	794	660	336	221	188	188	189	188	199	225	347	294
Above Normal Years (11%)	1,060	1,102	639	260	199	194	201	197	224	247	392	304
Below Normal Years (21%)	852	865	837	406	231	206	216	221	299	354	609	932
Dry Water Years (22%)	967	1,054	880	555	292	224	232	249	369	552	987	1,366
Critical Water Years (16%)	1,605	1,829	1,068	702	401	298	328	476	781	975	1,419	1,810

Table 4B-6-25-1c. Three Mile Slough, Proposed Project 021624 minus Baseline Conditions 072623, Monthly EC (UMHOS/CM)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	0	2	28	-51	-20	-8	-5	16	36	5	-24	2
20% Exceedance	29	5	-38	17	1	-1	1	1	-13	23	12	76
30% Exceedance	-19	28	36	-17	-1	1	-2	-1	6	7	95	2
40% Exceedance	-9	-1	-3	-1	0	0	-3	-1	5	-19	-7	43
50% Exceedance	28	33	0	-5	0	1	-2	-4	-6	-5	0	-25
60% Exceedance	2	7	8	3	0	0	-2	-1	0	1	31	10
70% Exceedance	5	-9	0	0	0	0	-1	-3	-2	-1	28	14
80% Exceedance	7	-5	-2	0	0	0	-1	-2	0	-1	33	11
90% Exceedance	0	1	0	0	0	0	0	0	0	0	24	14
Full Simulation Period Average[a]	15	6	-6	-13	-10	-5	-2	0	2	1	21	18
Wet Water Years (30%)	21	5	2	-2	0	0	0	0	-1	0	21	14
Above Normal Years (11%)	18	-3	20	2	0	1	-1	-2	-3	2	35	8
Below Normal Years (21%)	-5	14	-5	-14	-1	0	-2	-1	-5	-10	-6	4
Dry Water Years (22%)	13	-3	-3	-1	-12	-10	-5	-4	5	10	56	49
Critical Water Years (16%)	34	16	-45	-58	-47	-19	-1	7	18	5	0	9

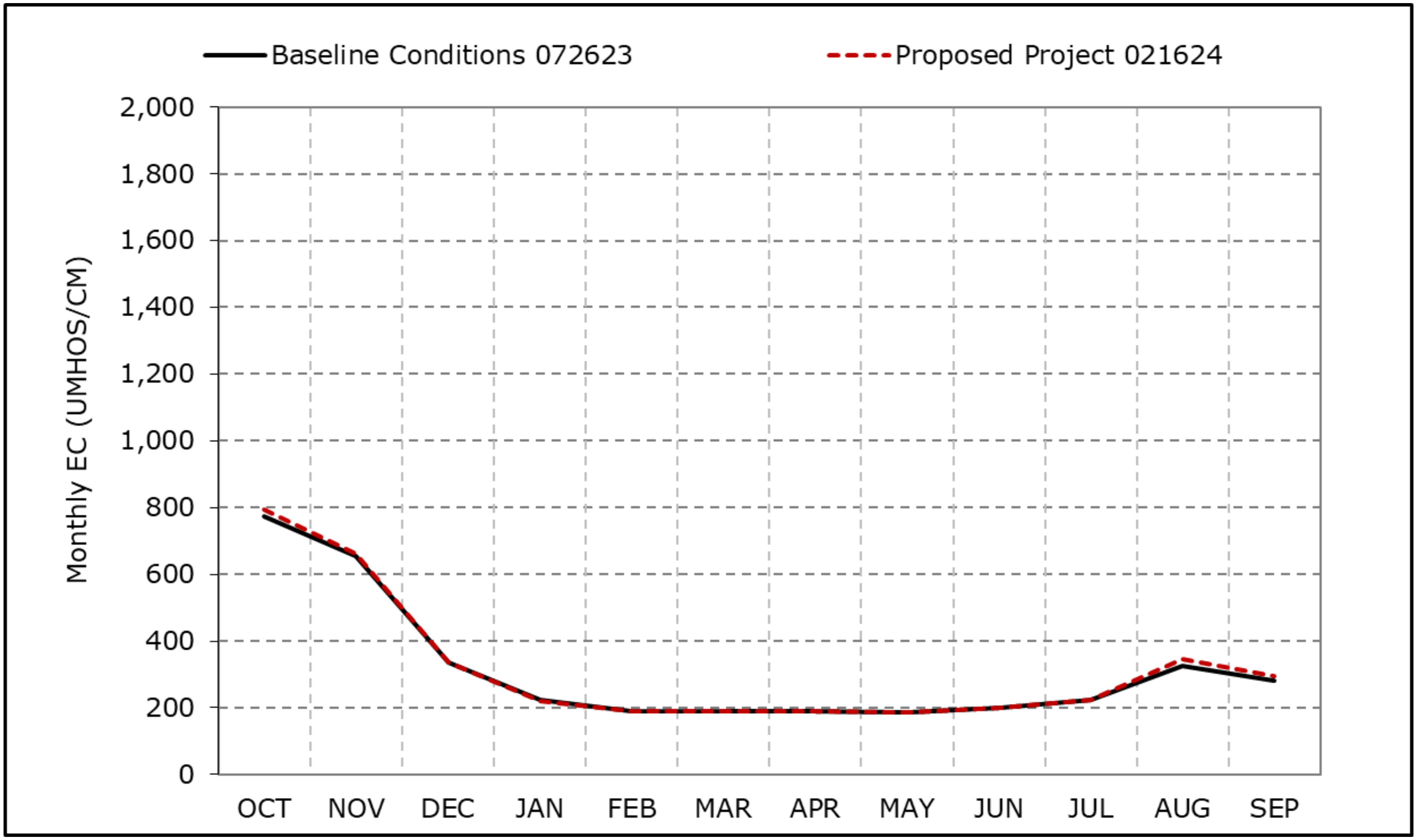
[a] Based on the 100-year simulation period.
* All scenarios are simulated at current climate condition and 0 cm sea level rise.
* As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
* These results are displayed with water year - year type sorting.

Figure 4B-6-25a. Three Mile Slough, Long-Term Average EC



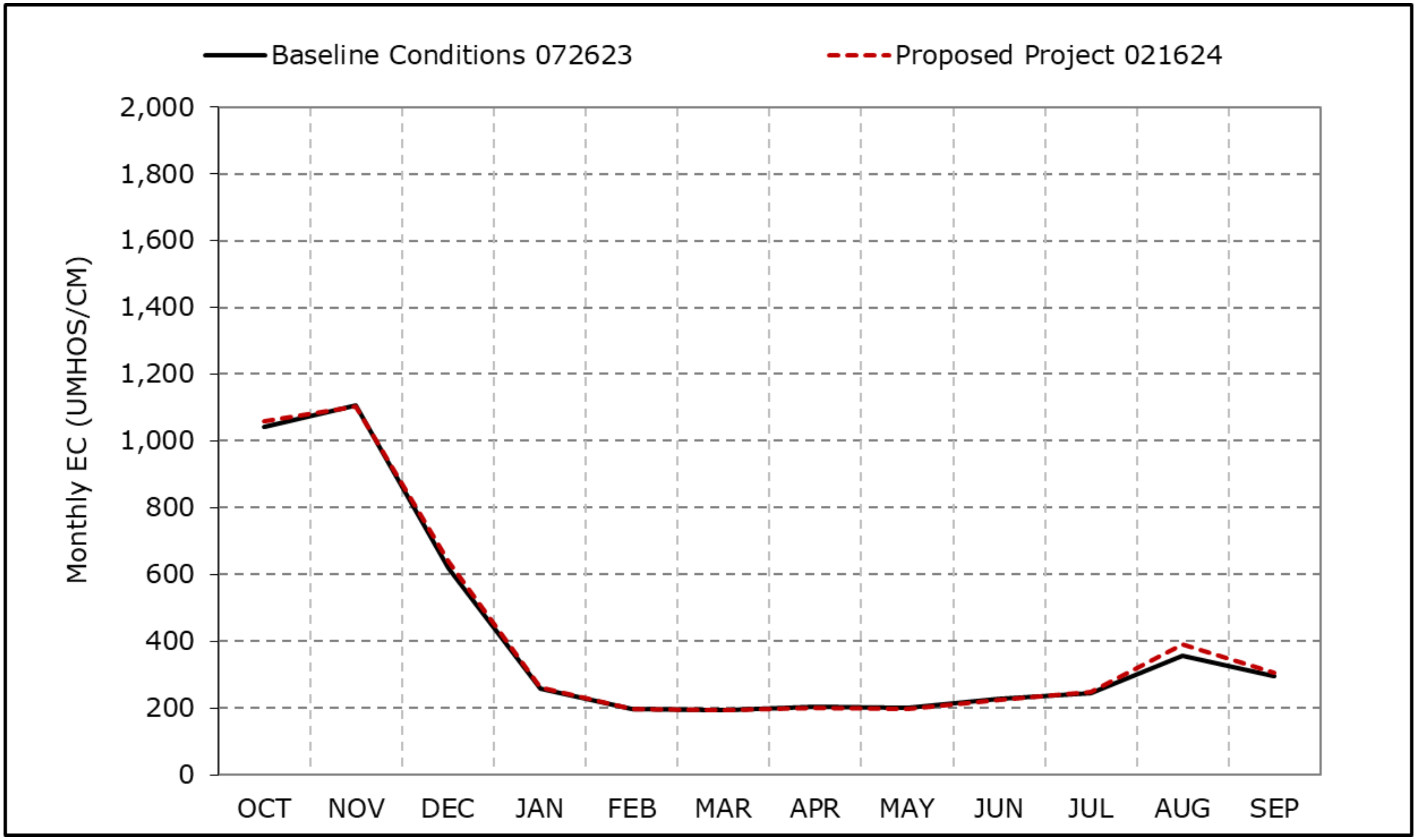
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-25b. Three Mile Slough, Wet Year Average EC



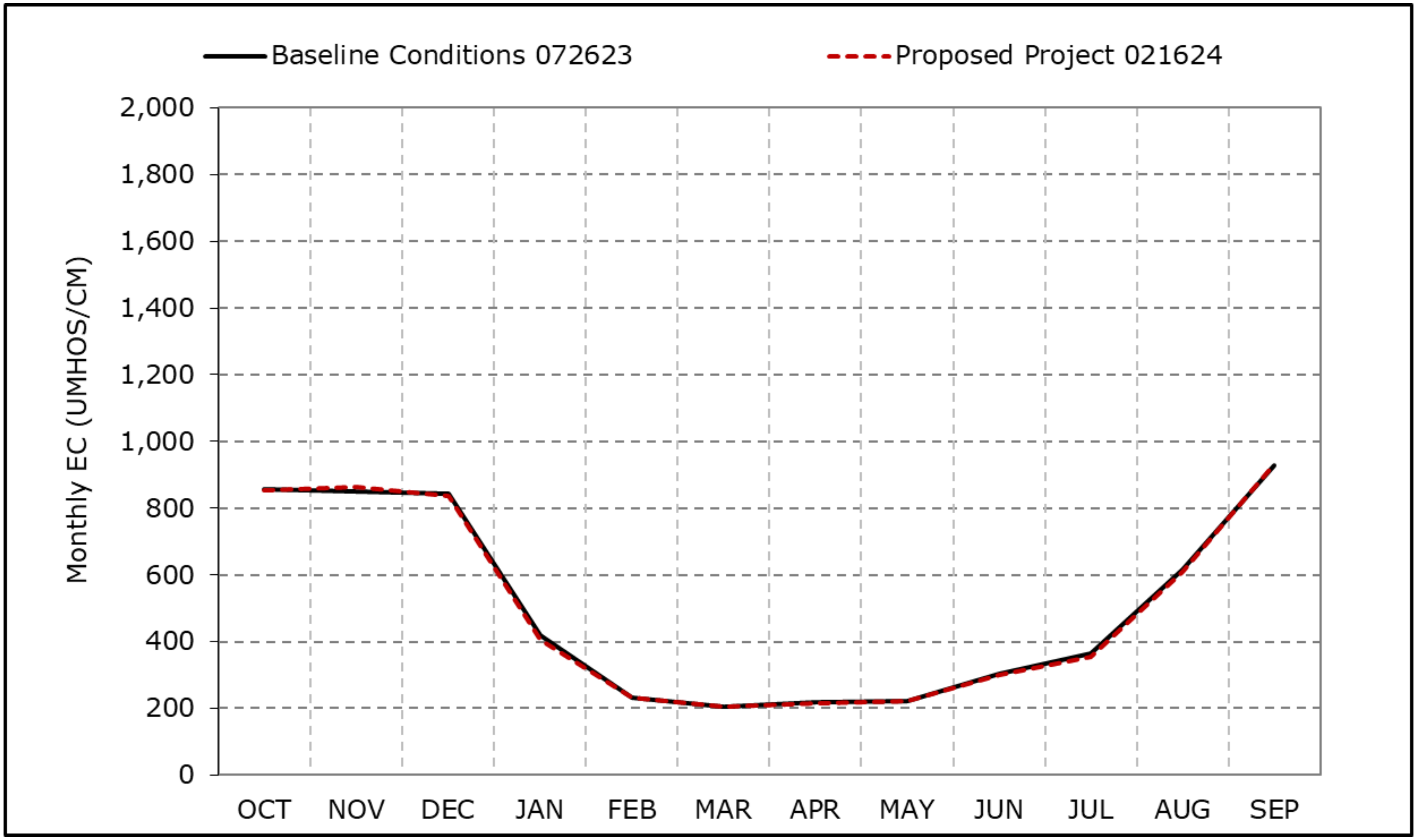
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-25c. Three Mile Slough, Above Normal Year Average EC



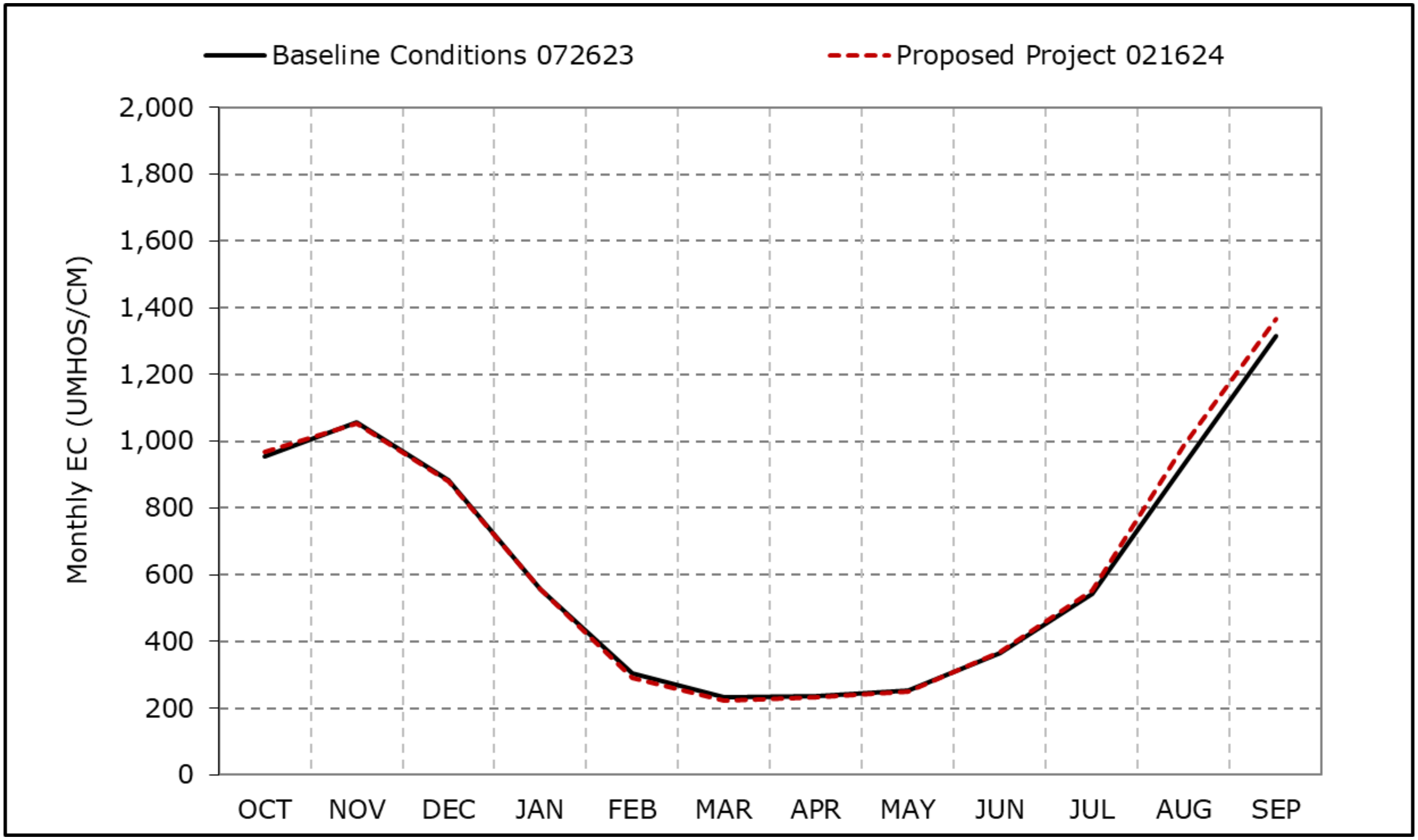
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-25d. Three Mile Slough, Below Normal Year Average EC



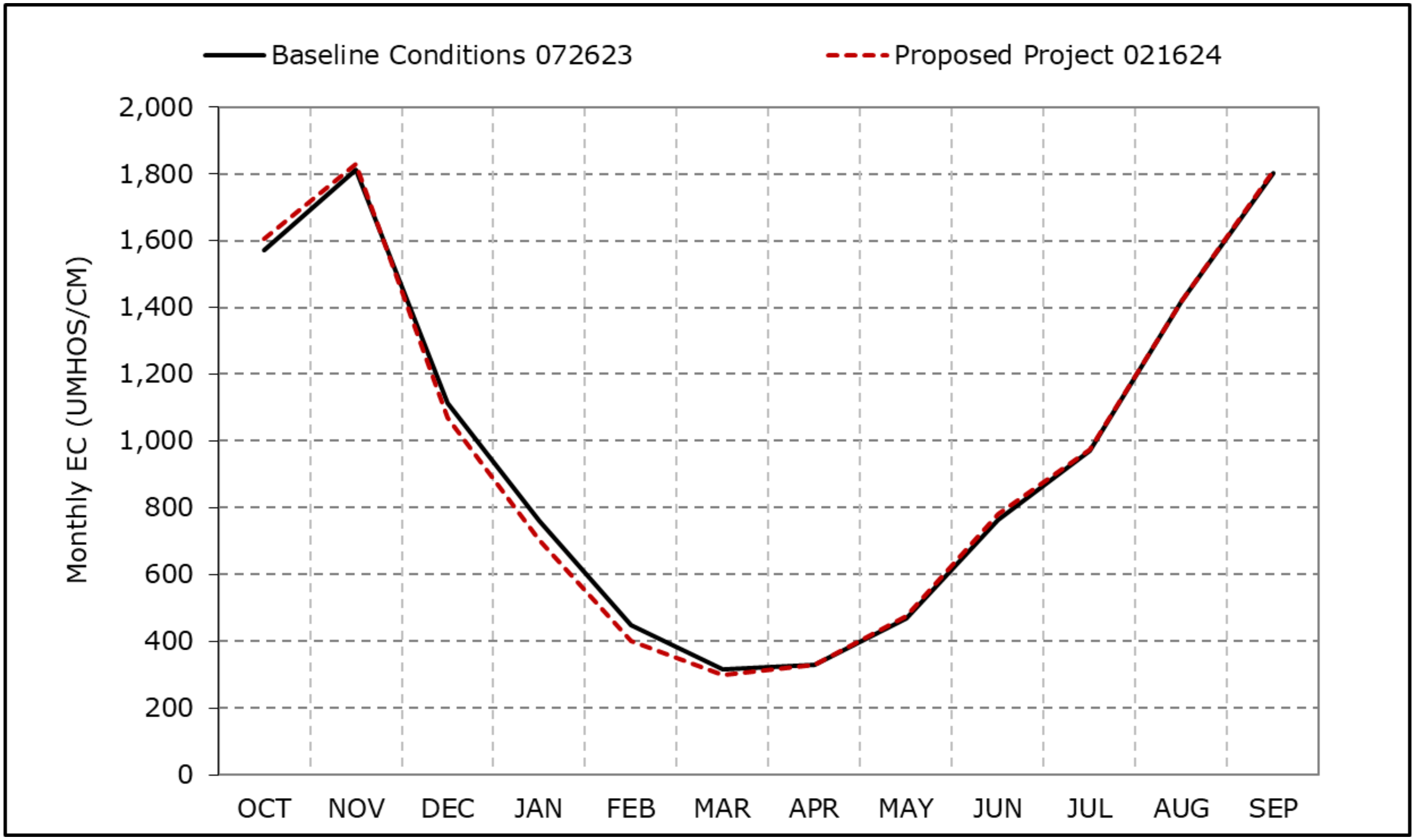
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-25e. Three Mile Slough, Dry Year Average EC



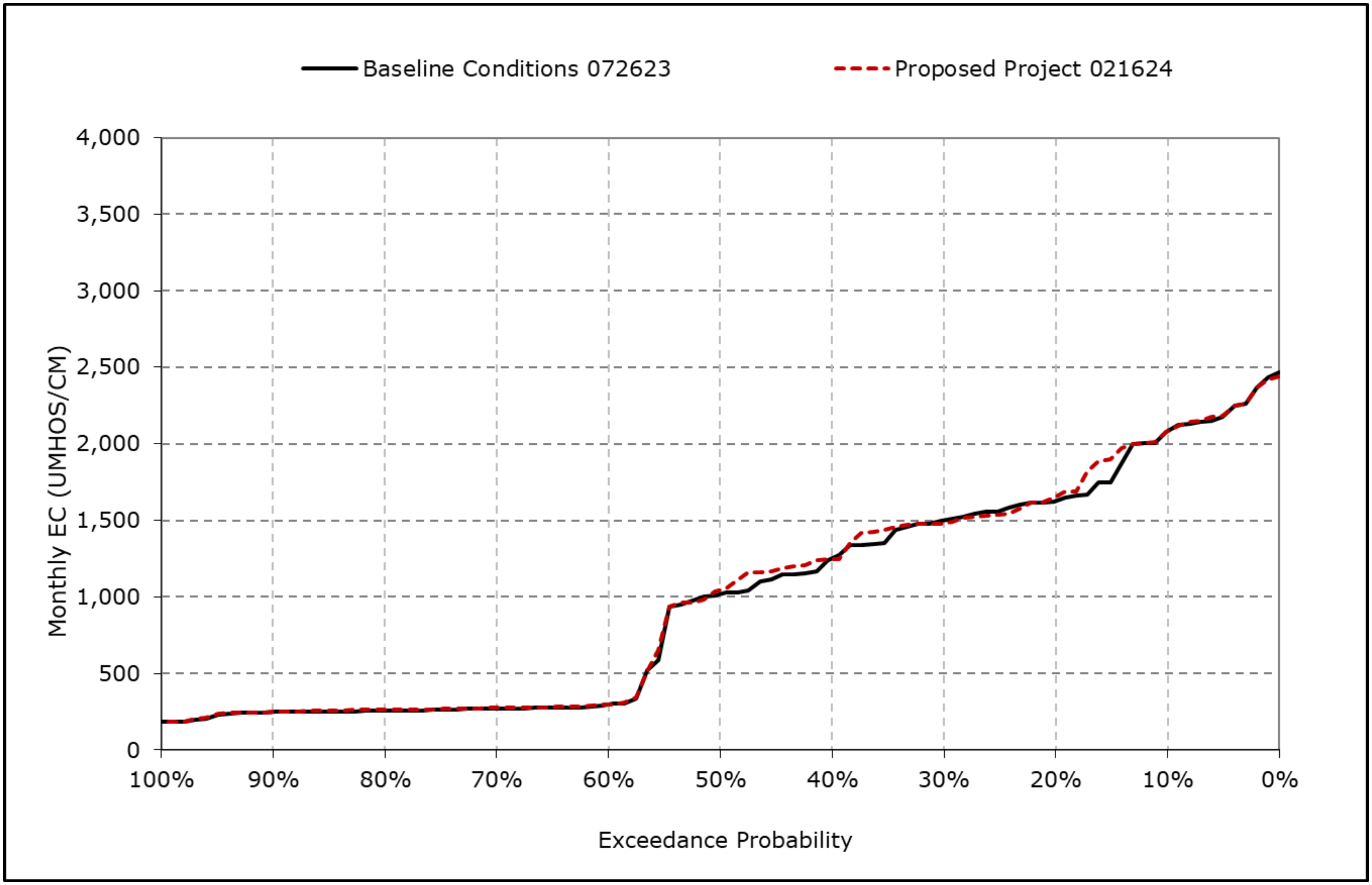
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-25f. Three Mile Slough, Critical Year Average EC



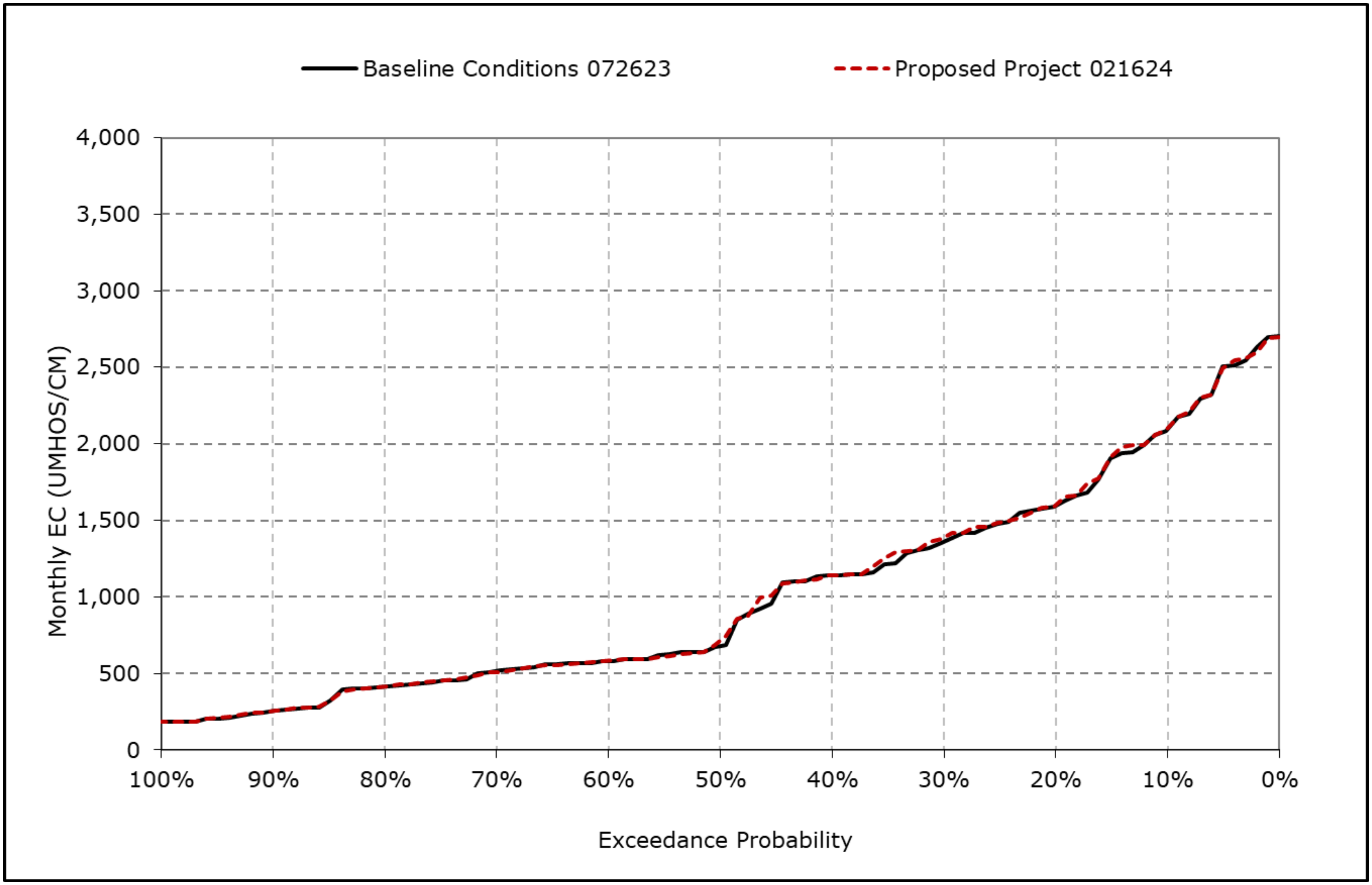
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with water year - year type sorting.
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-25g. Three Mile Slough, October EC



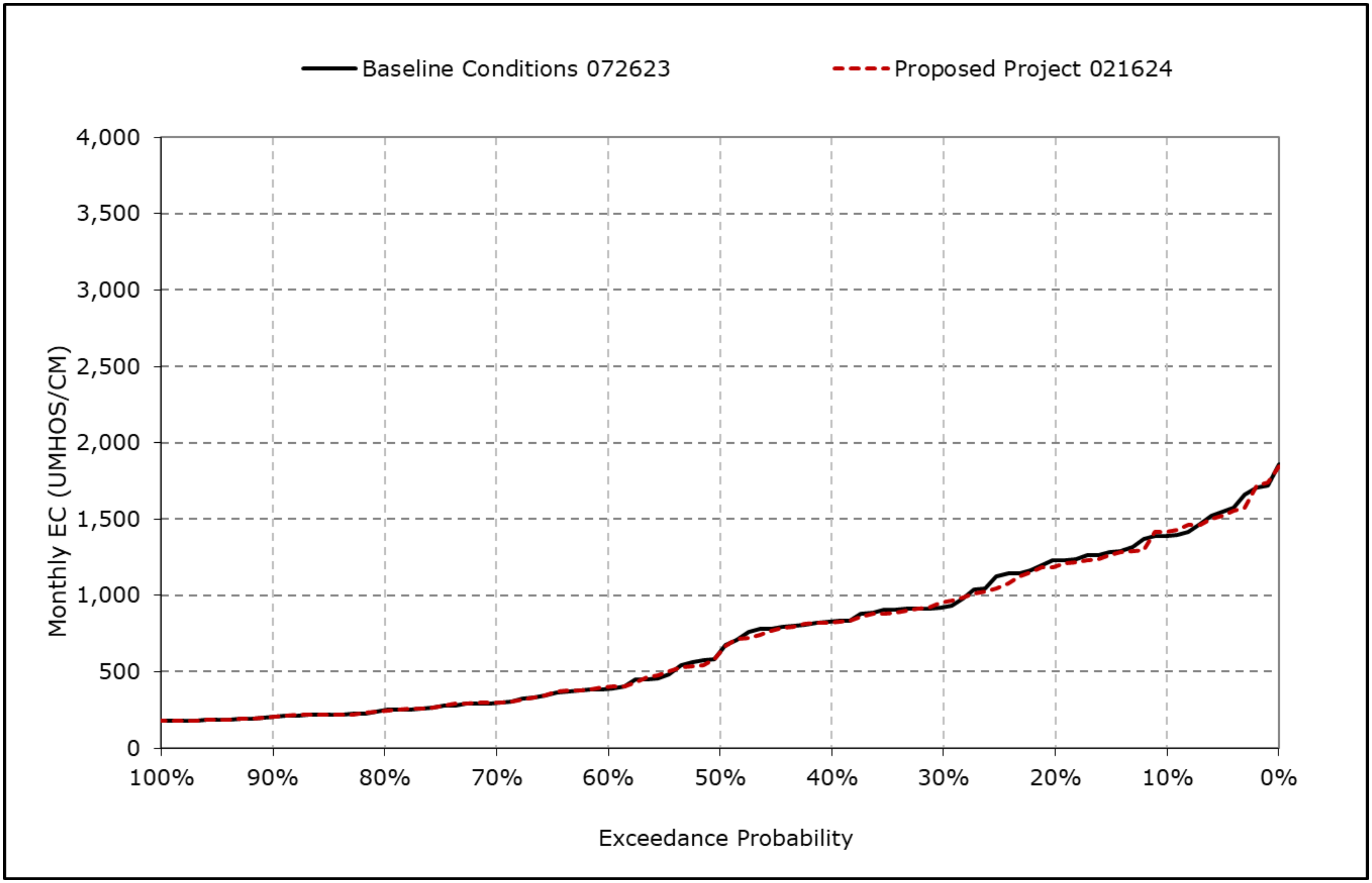
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-25h. Three Mile Slough, November EC



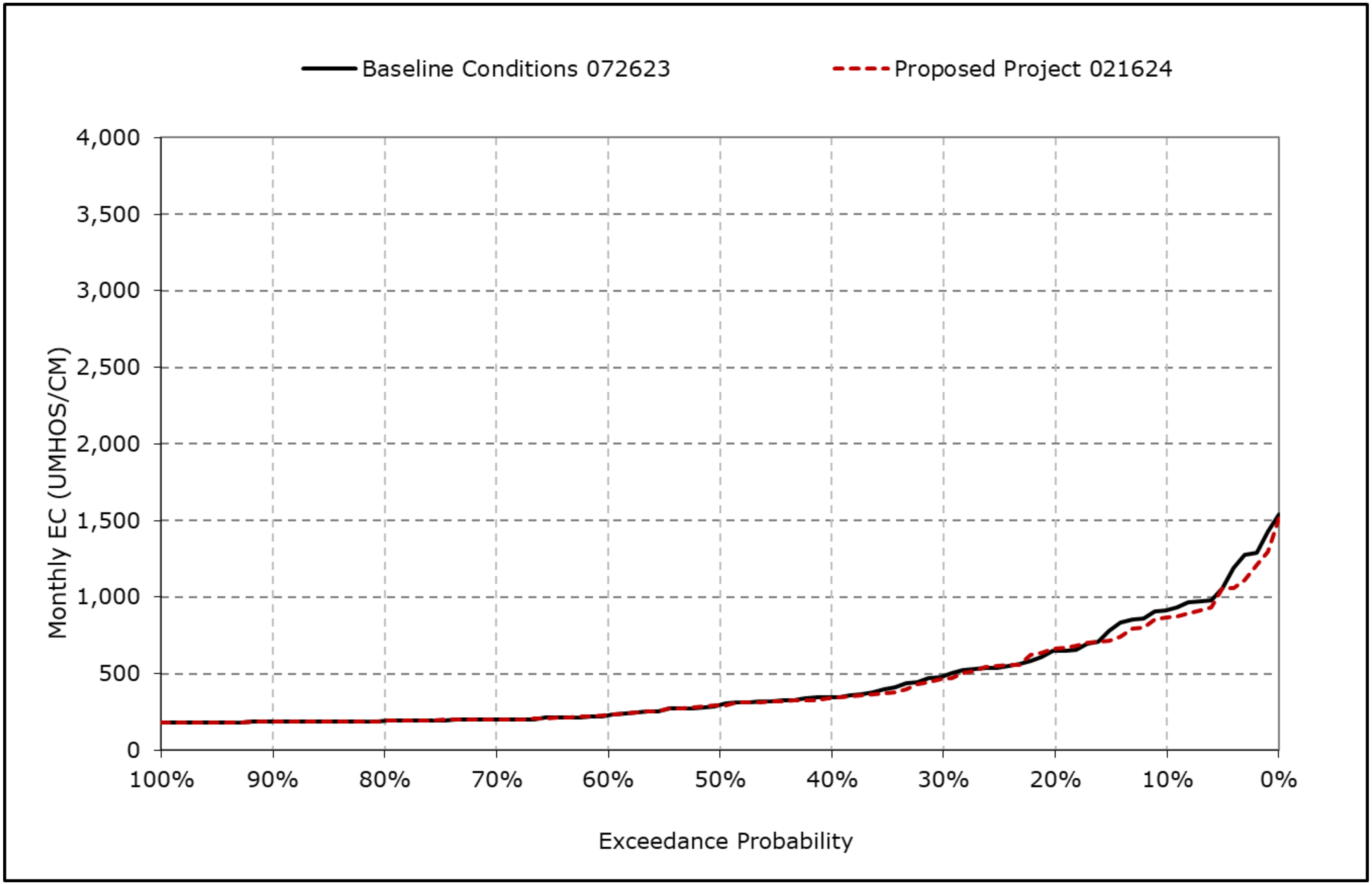
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-25i. Three Mile Slough, December EC



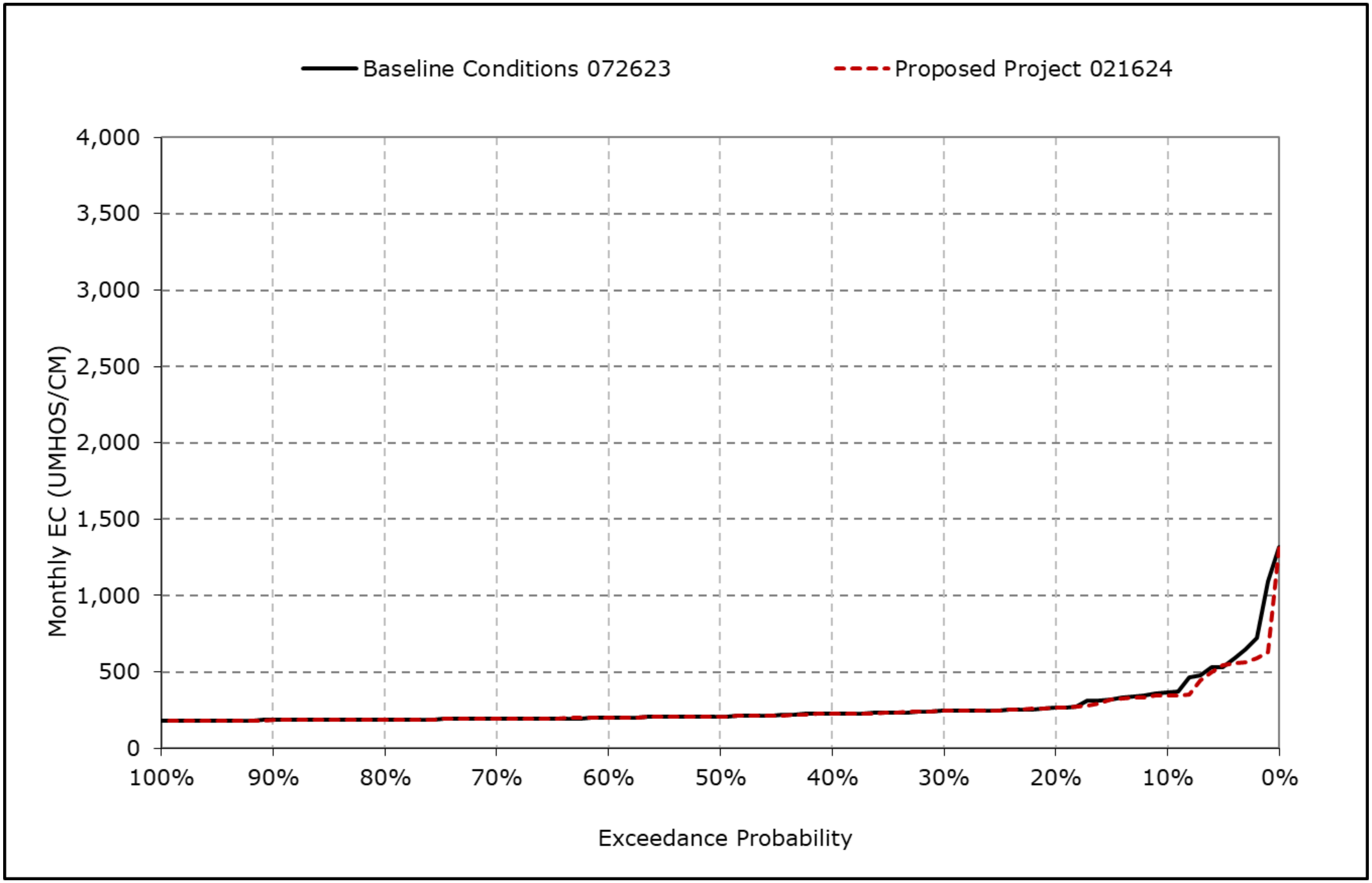
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-25j. Three Mile Slough, January EC



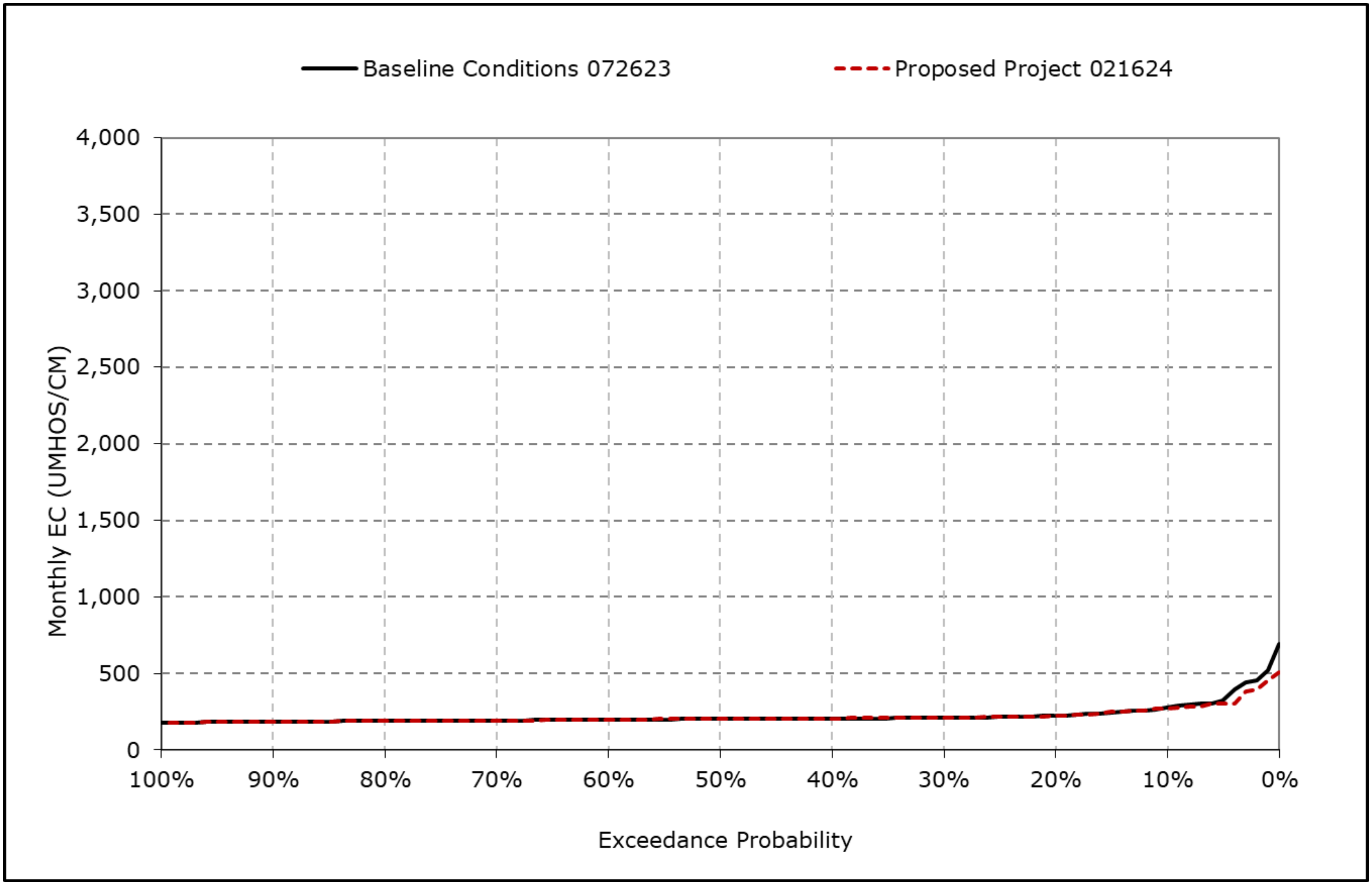
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-25k. Three Mile Slough, February EC



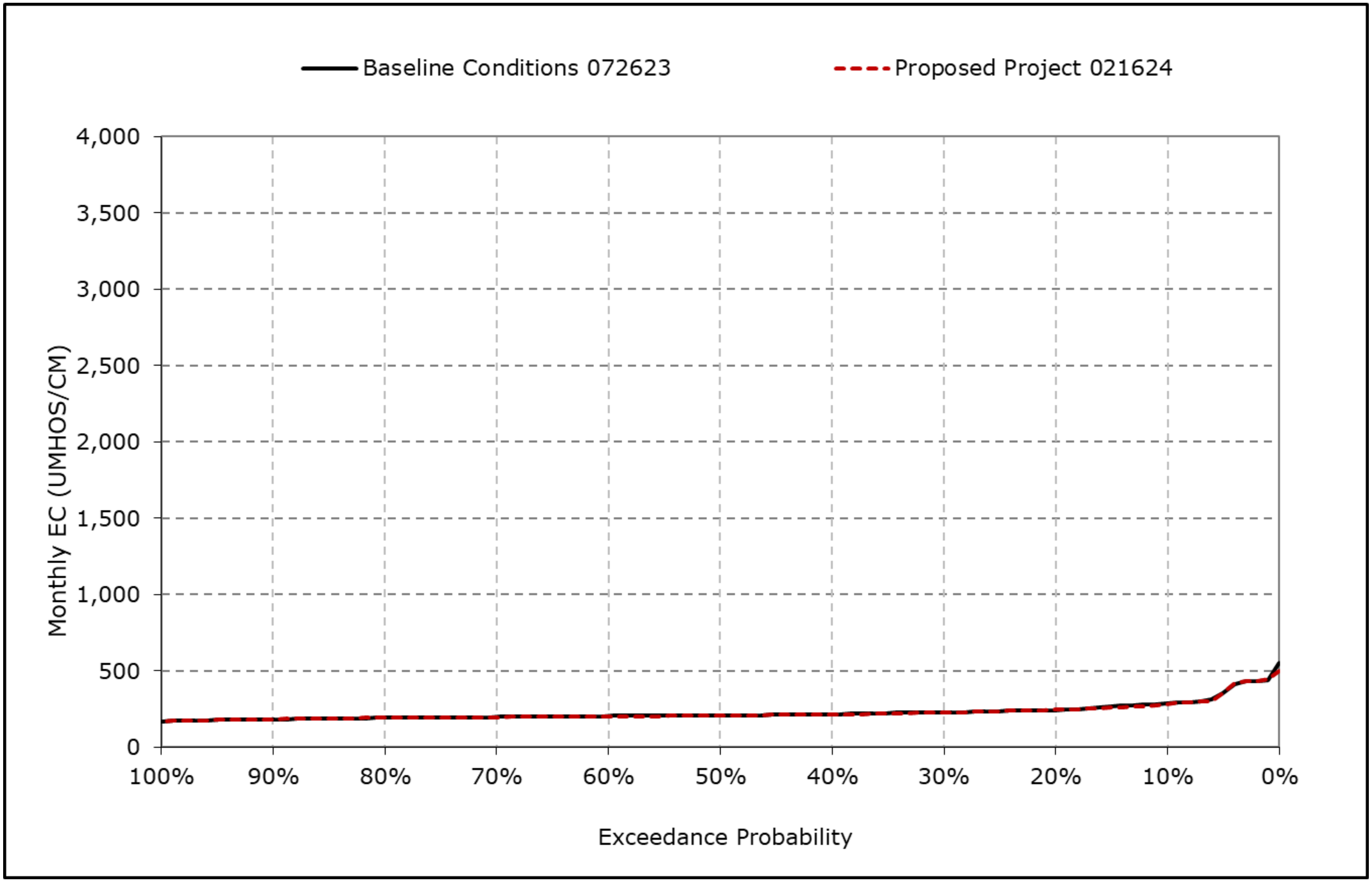
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-25l. Three Mile Slough, March EC



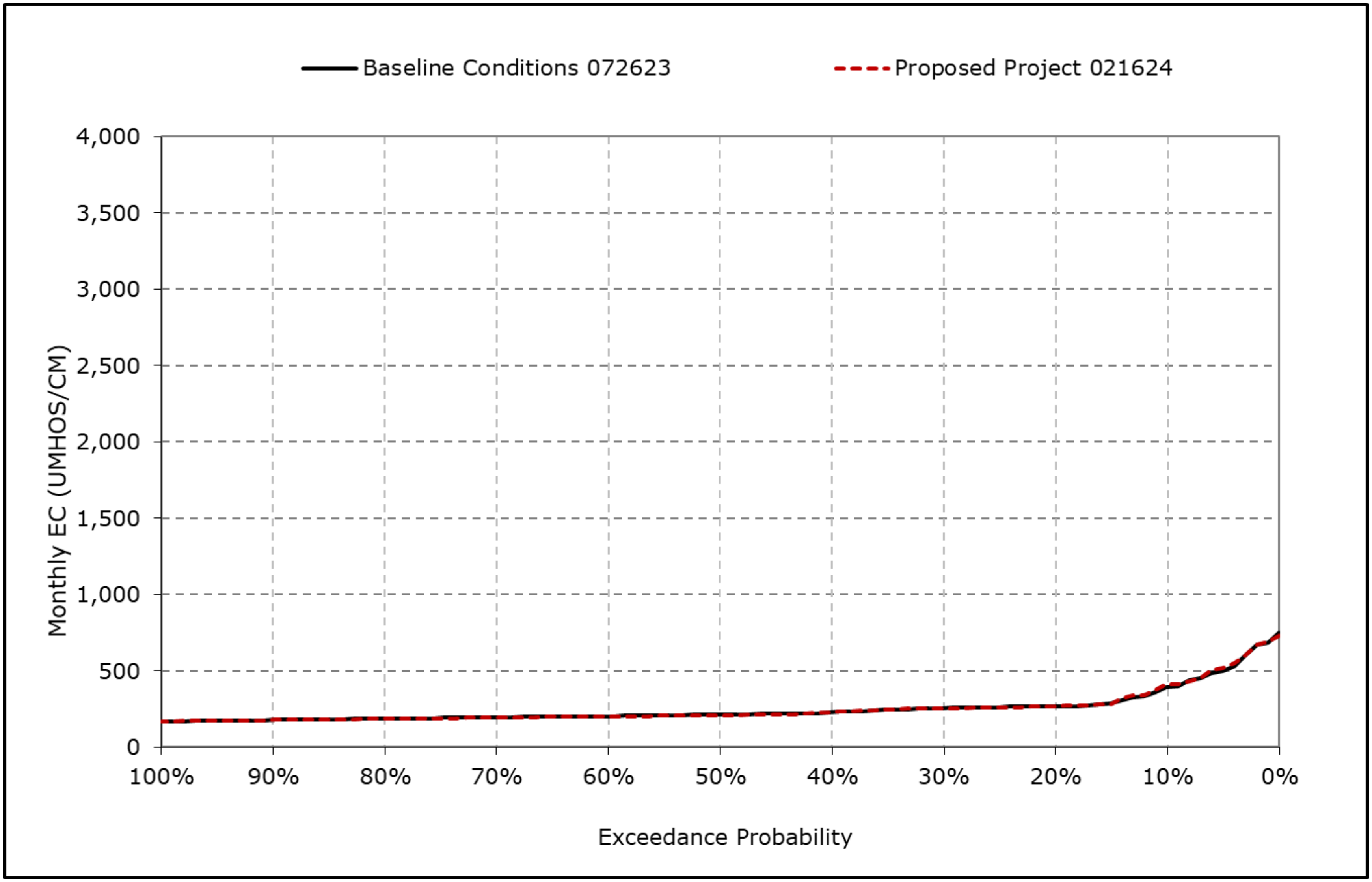
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-25m. Three Mile Slough, April EC



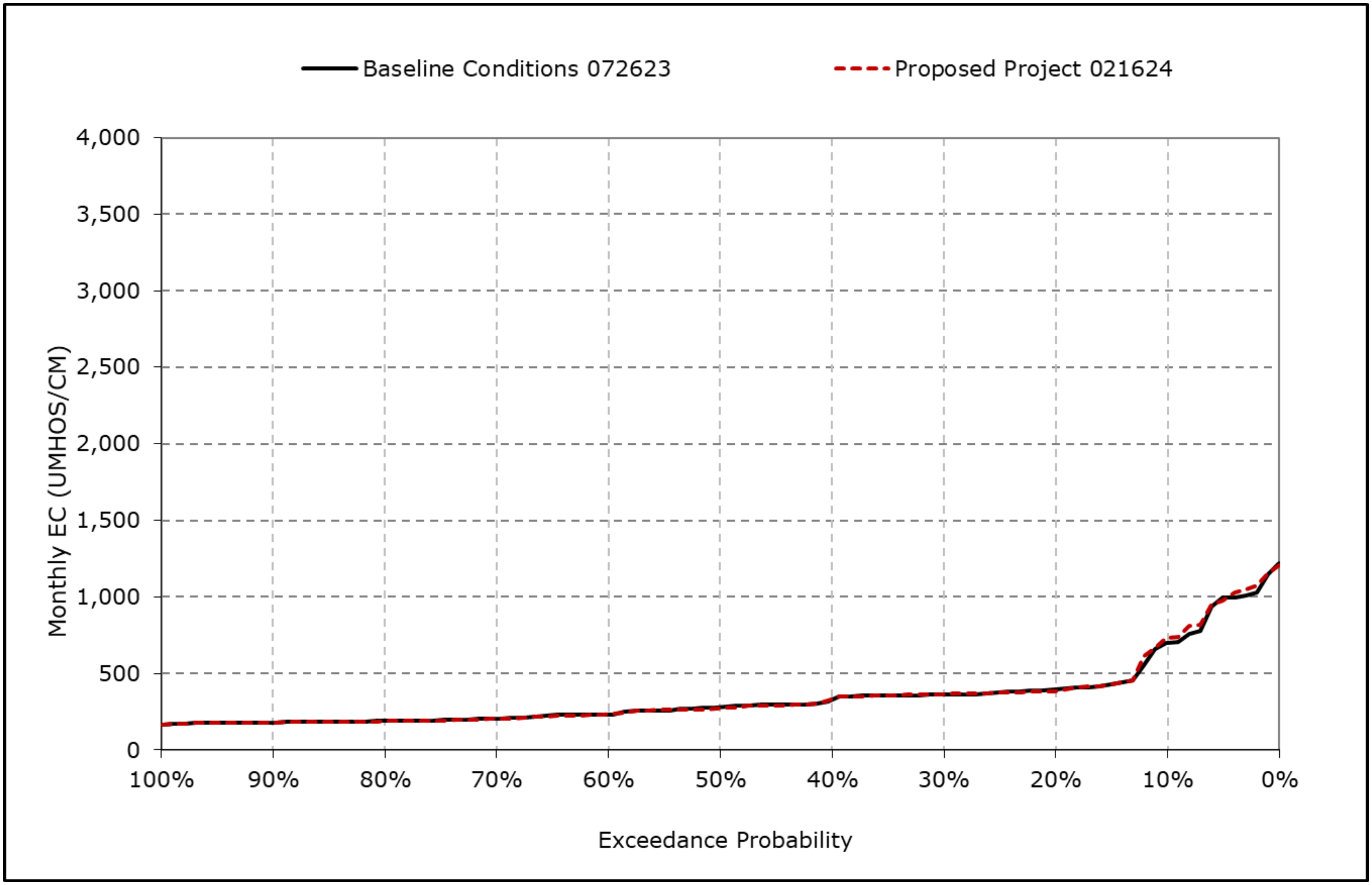
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-25n. Three Mile Slough, May EC



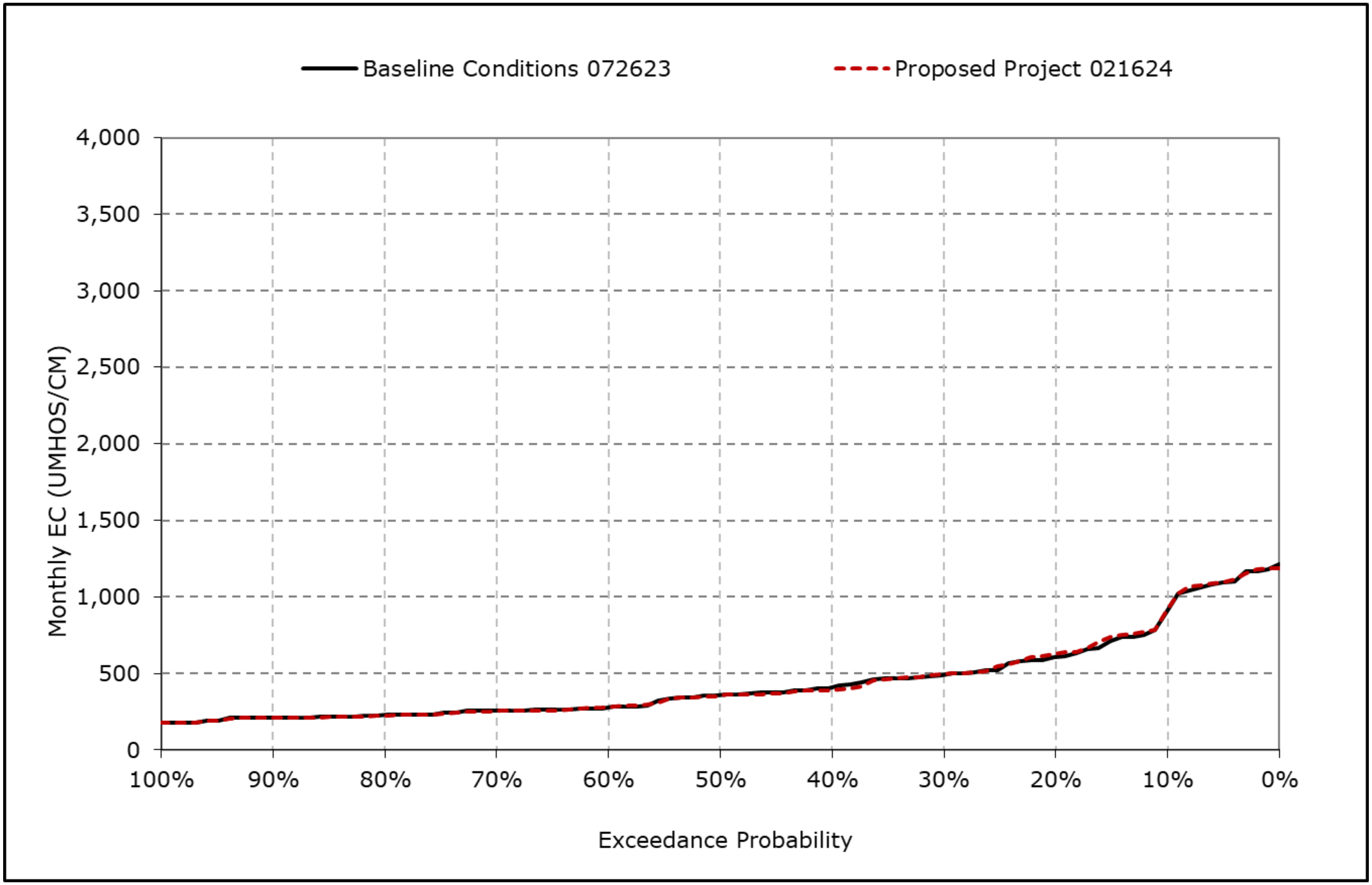
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-25o. Three Mile Slough, June EC



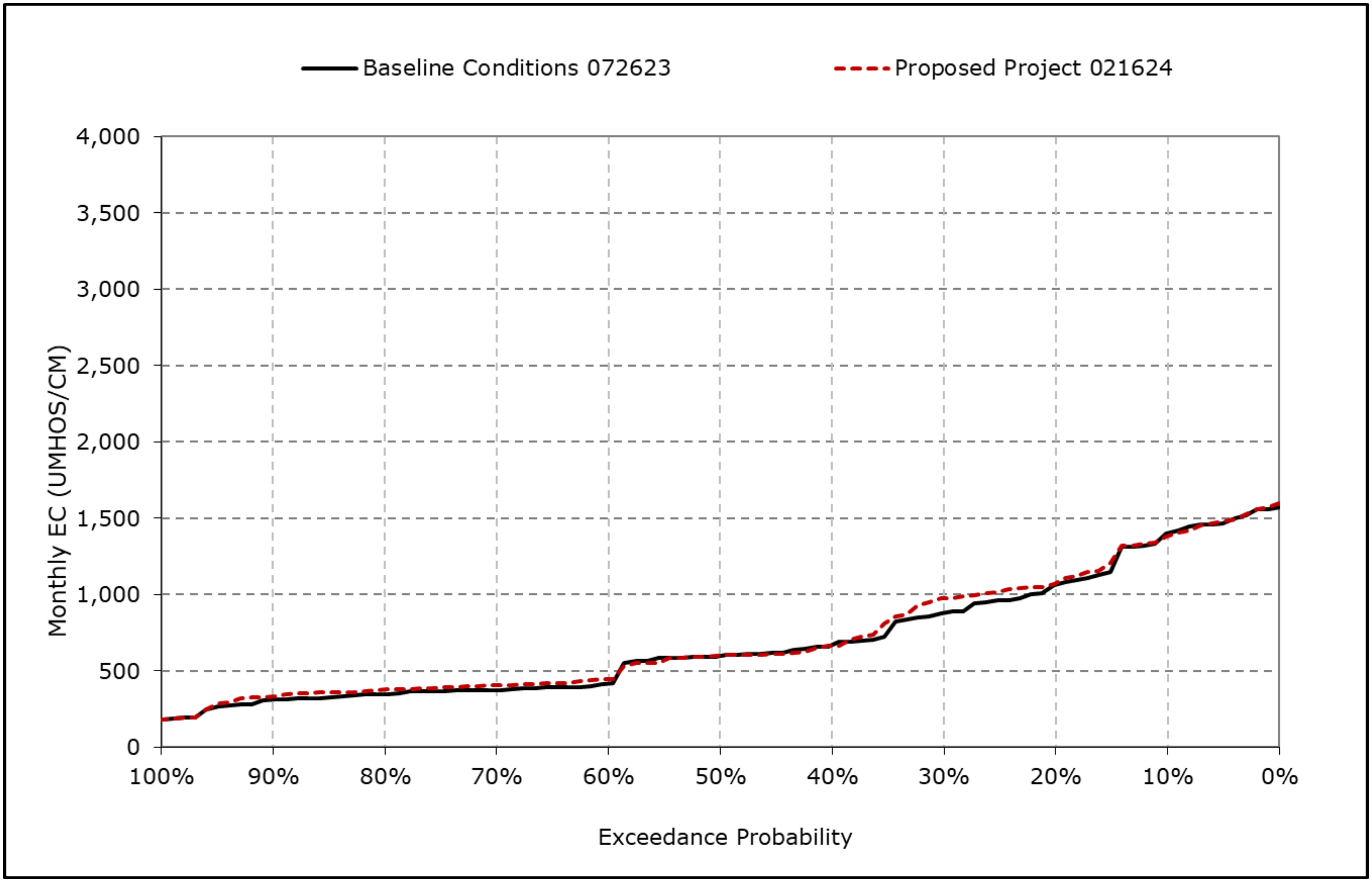
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-25p. Three Mile Slough, July EC



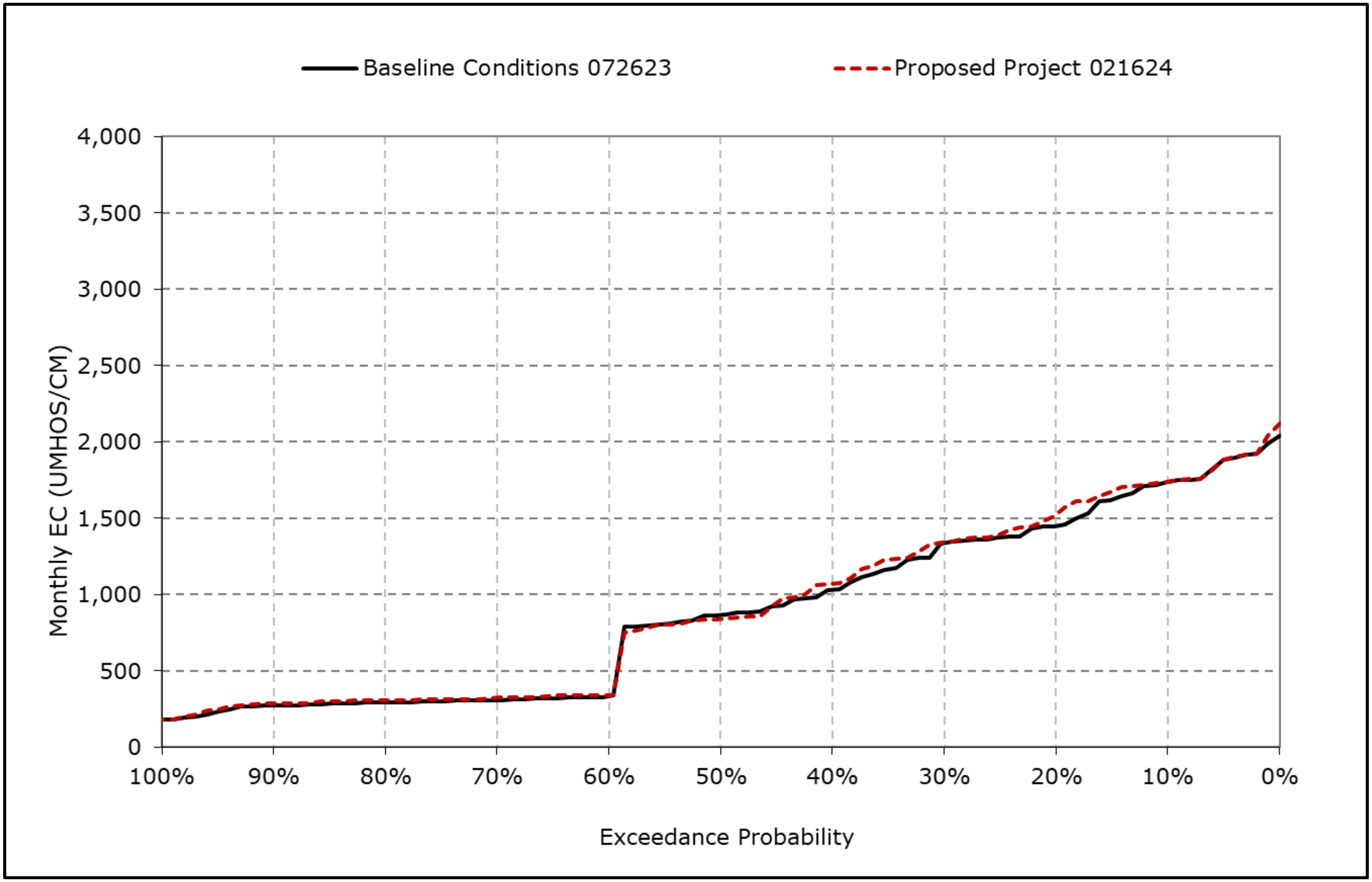
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4B-6-25q. Three Mile Slough, August EC



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

Figure 4B-6-25r. Three Mile Slough, September EC



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