

**Appendix 6B1 – Sacramento – San Joaquin Delta Modeling,  
Salinity Results (DSM2-QUAL)**

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

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

<b>Section</b>	<b>Output Parameters</b>	<b>Table Numbers</b>	<b>Figure Numbers</b>
EC	Sacramento River downstream of Steamboat Slough Salinity	6B1-1-1a to 6B1-1-4c	6B1-1-1 to 6B1-1-18
EC	Cache Slough at Ryer Island Salinity	6B1-2-1a to 6B1-2-4c	6B1-2-1 to 6B1-2-18
EC	Sacramento River downstream of Georgiana Slough Salinity	6B1-3-1a to 6B1-3-4c	6B1-3-1 to 6B1-3-18
EC	Sacramento River at Rio Vista Salinity	6B1-4-1a to 6B1-4-4c	6B1-4-1 to 6B1-4-18
EC	Sacramento River at Emmaton Salinity	6B1-5-1a to 6B1-5-4c	6B1-5-1 to 6B1-5-18
EC	Sacramento River at Collinsville Salinity	6B1-6-1a to 6B1-6-4c	6B1-6-1 to 6B1-6-18
EC	Sacramento River at Mallard Slough Salinity	6B1-7-1a to 6B1-7-4c	6B1-7-1 to 6B1-7-18
EC	Chipps Island North Channel Salinity	6B1-8-1a to 6B1-8-4c	6B1-8-1 to 6B1-8-18
EC	Chipps Island South Channel Salinity	6B1-9-1a to 6B1-9-4c	6B1-9-1 to 6B1-9-18
EC	Sacramento River at Port Chicago Salinity	6B1-10-1a to 6B1-10-4c	6B1-10-1 to 6B1-10-18
EC	San Joaquin River at Antioch Salinity	6B1-11-1a to 6B1-11-4c	6B1-11-1 to 6B1-11-18
EC	San Joaquin River at Jersey Point Salinity	6B1-12-1a to 6B1-12-4c	6B1-12-1 to 6B1-12-18
EC	San Joaquin River at San Andreas Salinity	6B1-13-1a to 6B1-13-4c	6B1-13-1 to 6B1-13-18
EC	San Joaquin River at Prisoners Point Salinity	6B1-14-1a to 6B1-14-4c	6B1-14-1 to 6B1-14-18
EC	Old River at Rock Slough Salinity	6B1-15-1a to 6B1-15-4c	6B1-15-1 to 6B1-15-18
EC	Banks Pumping Plant South Delta Exports Salinity	6B1-16-1a to 6B1-16-4c	6B1-16-1 to 6B1-16-18
EC	Jones Pumping Plant South Delta Exports Salinity	6B1-17-1a to 6B1-17-4c	6B1-17-1 to 6B1-17-18
EC	Old River at Highway 4	6B1-18-1a to 6B1-18-4c	6B1-18-1 to 6B1-18-18
EC	Victoria Canal	6B1-19-1a to 6B1-19-4c	6B1-19-1 to 6B1-19-18
EC	Montezuma Slough at Beldons Landing	6B1-20-1a to 6B1-20-4c	6B1-20-1 to 6B1-20-18

Report formats

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

**Table 6B1-1-1a. Sacramento River downstream of Steamboat Slough, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	177	178	181	179	177	176	176	176	176	176	176
20% Exceedance	176	176	177	180	178	177	176	176	176	176	176	176
30% Exceedance	176	176	177	179	177	176	176	176	176	176	176	176
40% Exceedance	176	176	176	178	177	176	176	176	176	175	176	176
50% Exceedance	176	176	176	178	177	176	176	176	176	175	176	176
60% Exceedance	176	176	176	178	176	176	176	176	176	175	176	175
70% Exceedance	175	175	176	177	176	176	175	175	176	175	175	175
80% Exceedance	175	175	176	177	176	176	175	175	176	175	175	175
90% Exceedance	175	175	175	177	176	175	175	175	175	175	175	175
<b>Full Simulation Period Average<sup>a</sup></b>	176	176	177	178	177	176	176	176	176	176	176	176
<b>Wet Water Years (32%)</b>	175	176	176	178	176	176	175	175	176	175	176	175
<b>Above Normal Years (15%)</b>	175	176	177	178	177	176	176	175	176	175	175	175
<b>Below Normal Years (17%)</b>	176	176	176	179	177	176	176	176	176	175	176	176
<b>Dry Water Years (22%)</b>	176	176	176	179	177	176	176	176	176	176	176	176
<b>Critical Water Years (15%)</b>	176	176	178	179	177	176	176	176	176	176	176	176

**Table 6B1-1-1b. Sacramento River downstream of Steamboat Slough, Alternative 1A 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	177	178	181	179	177	176	176	176	176	176	176
20% Exceedance	176	176	177	180	178	177	176	176	176	176	176	176
30% Exceedance	176	176	177	179	177	176	176	176	176	176	176	176
40% Exceedance	176	176	176	178	177	176	176	176	176	175	176	176
50% Exceedance	176	176	176	178	177	176	176	176	176	175	176	176
60% Exceedance	176	176	176	178	176	176	176	176	176	175	176	175
70% Exceedance	175	175	176	177	176	176	175	175	176	175	175	175
80% Exceedance	175	175	176	177	176	176	175	175	176	175	175	175
90% Exceedance	175	175	175	177	176	175	175	175	175	175	175	175
<b>Full Simulation Period Average<sup>a</sup></b>	176	176	177	178	177	176	176	176	176	176	176	176
<b>Wet Water Years (32%)</b>	175	176	176	178	176	176	175	175	176	175	176	175
<b>Above Normal Years (15%)</b>	175	176	177	178	177	176	176	175	176	175	175	175
<b>Below Normal Years (17%)</b>	176	176	176	179	177	176	176	176	176	175	176	176
<b>Dry Water Years (22%)</b>	176	176	176	179	177	176	176	176	176	175	176	176
<b>Critical Water Years (15%)</b>	176	176	178	179	177	176	176	176	176	176	176	176

**Table 6B1-1-1c. Sacramento River downstream of Steamboat Slough, Alternative 1A 051722 minus No Action Alternative 051422, 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
<b>Full Simulation Period Average<sup>a</sup></b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Wet Water Years (32%)</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Above Normal Years (15%)</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Below Normal Years (17%)</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Dry Water Years (22%)</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Critical Water Years (15%)</b>	0	0	0	0	0	0	0	0	0	0	0	0

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-1-2a. Sacramento River downstream of Steamboat Slough, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	177	178	181	179	177	176	176	176	176	176	176
20% Exceedance	176	176	177	180	178	177	176	176	176	176	176	176
30% Exceedance	176	176	177	179	177	176	176	176	176	176	176	176
40% Exceedance	176	176	176	178	177	176	176	176	176	175	176	176
50% Exceedance	176	176	176	178	177	176	176	176	176	175	176	176
60% Exceedance	176	176	176	178	176	176	176	176	176	175	176	175
70% Exceedance	175	175	176	177	176	176	175	175	176	175	175	175
80% Exceedance	175	175	176	177	176	176	175	175	176	175	175	175
90% Exceedance	175	175	175	177	176	175	175	175	175	175	175	175
<b>Full Simulation Period Average<sup>a</sup></b>	176	176	177	178	177	176	176	176	176	176	176	176
<b>Wet Water Years (32%)</b>	175	176	176	178	176	176	175	175	176	175	176	175
<b>Above Normal Years (15%)</b>	175	176	177	178	177	176	176	175	176	175	175	175
<b>Below Normal Years (17%)</b>	176	176	176	179	177	176	176	176	176	175	176	176
<b>Dry Water Years (22%)</b>	176	176	176	179	177	176	176	176	176	176	176	176
<b>Critical Water Years (15%)</b>	176	176	178	179	177	176	176	176	176	176	176	176

**Table 6B1-1-2b. Sacramento River downstream of Steamboat Slough, Alternative 1B 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	177	178	181	179	177	176	176	176	176	176	176
20% Exceedance	176	176	177	180	178	176	176	176	176	176	176	176
30% Exceedance	176	176	177	179	177	176	176	176	176	176	176	176
40% Exceedance	176	176	176	178	177	176	176	176	176	175	176	176
50% Exceedance	176	176	176	178	177	176	176	176	176	175	176	176
60% Exceedance	176	176	176	178	176	176	176	176	176	175	176	175
70% Exceedance	175	175	176	177	176	176	175	175	176	175	175	175
80% Exceedance	175	175	176	177	176	176	175	175	176	175	175	175
90% Exceedance	175	175	175	177	176	175	175	175	175	175	175	175
<b>Full Simulation Period Average<sup>a</sup></b>	176	176	177	178	177	176	176	176	176	176	176	176
<b>Wet Water Years (32%)</b>	175	176	176	178	176	176	175	175	176	175	176	175
<b>Above Normal Years (15%)</b>	175	176	177	178	177	176	176	175	176	175	175	175
<b>Below Normal Years (17%)</b>	176	176	176	179	177	176	176	176	176	175	176	176
<b>Dry Water Years (22%)</b>	176	176	176	179	177	176	176	176	176	175	176	176
<b>Critical Water Years (15%)</b>	176	176	178	179	177	176	176	176	176	176	176	176

**Table 6B1-1-2c. Sacramento River downstream of Steamboat Slough, Alternative 1B 051722 minus No Action Alternative 051422, 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
<b>Full Simulation Period Average<sup>a</sup></b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Wet Water Years (32%)</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Above Normal Years (15%)</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Below Normal Years (17%)</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Dry Water Years (22%)</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Critical Water Years (15%)</b>	0	0	0	0	0	0	0	0	0	0	0	0

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-1-3a. Sacramento River downstream of Steamboat Slough, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	177	178	181	179	177	176	176	176	176	176	176
20% Exceedance	176	176	177	180	178	177	176	176	176	176	176	176
30% Exceedance	176	176	177	179	177	176	176	176	176	176	176	176
40% Exceedance	176	176	176	178	177	176	176	176	176	175	176	176
50% Exceedance	176	176	176	178	177	176	176	176	176	175	176	176
60% Exceedance	176	176	176	178	176	176	176	176	176	175	176	175
70% Exceedance	175	175	176	177	176	176	175	175	176	175	175	175
80% Exceedance	175	175	176	177	176	176	175	175	176	175	175	175
90% Exceedance	175	175	175	177	176	175	175	175	175	175	175	175
<b>Full Simulation Period Average<sup>a</sup></b>	176	176	177	178	177	176	176	176	176	176	176	176
<b>Wet Water Years (32%)</b>	175	176	176	178	176	176	175	175	176	175	176	175
<b>Above Normal Years (15%)</b>	175	176	177	178	177	176	176	175	176	175	175	175
<b>Below Normal Years (17%)</b>	176	176	176	179	177	176	176	176	176	175	176	176
<b>Dry Water Years (22%)</b>	176	176	176	179	177	176	176	176	176	176	176	176
<b>Critical Water Years (15%)</b>	176	176	178	179	177	176	176	176	176	176	176	176

**Table 6B1-1-3b. Sacramento River downstream of Steamboat Slough, Alternative 2 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	177	178	181	179	177	176	176	176	176	176	176
20% Exceedance	176	176	177	180	178	177	176	176	176	176	176	176
30% Exceedance	176	176	177	179	177	176	176	176	176	176	176	176
40% Exceedance	176	176	176	178	177	176	176	176	176	175	176	176
50% Exceedance	176	176	176	178	177	176	176	176	176	175	176	176
60% Exceedance	176	176	176	178	176	176	176	176	176	175	176	175
70% Exceedance	175	175	176	177	176	176	175	175	176	175	175	175
80% Exceedance	175	175	176	177	176	176	175	175	176	175	175	175
90% Exceedance	175	175	175	177	176	175	175	175	175	175	175	175
<b>Full Simulation Period Average<sup>a</sup></b>	176	176	177	178	177	176	176	176	176	176	176	176
<b>Wet Water Years (32%)</b>	175	176	176	178	176	176	175	175	176	175	176	175
<b>Above Normal Years (15%)</b>	175	176	177	178	177	176	176	175	176	175	175	175
<b>Below Normal Years (17%)</b>	176	176	176	179	177	176	176	176	176	175	176	176
<b>Dry Water Years (22%)</b>	176	176	176	179	177	176	176	176	176	175	176	176
<b>Critical Water Years (15%)</b>	176	176	178	179	177	176	176	176	176	176	176	176

**Table 6B1-1-3c. Sacramento River downstream of Steamboat Slough, Alternative 2 051722 minus No Action Alternative 051422, 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
<b>Full Simulation Period Average<sup>a</sup></b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Wet Water Years (32%)</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Above Normal Years (15%)</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Below Normal Years (17%)</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Dry Water Years (22%)</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Critical Water Years (15%)</b>	0	0	0	0	0	0	0	0	0	0	0	0

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-1-4a. Sacramento River downstream of Steamboat Slough, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	177	178	181	179	177	176	176	176	176	176	176
20% Exceedance	176	176	177	180	178	177	176	176	176	176	176	176
30% Exceedance	176	176	177	179	177	176	176	176	176	176	176	176
40% Exceedance	176	176	176	178	177	176	176	176	176	175	176	176
50% Exceedance	176	176	176	178	177	176	176	176	176	175	176	176
60% Exceedance	176	176	176	178	176	176	176	176	176	175	176	175
70% Exceedance	175	175	176	177	176	176	175	175	176	175	175	175
80% Exceedance	175	175	176	177	176	176	175	175	176	175	175	175
90% Exceedance	175	175	175	177	176	175	175	175	175	175	175	175
<b>Full Simulation Period Average<sup>a</sup></b>	176	176	177	178	177	176	176	176	176	176	176	176
<b>Wet Water Years (32%)</b>	175	176	176	178	176	176	175	175	176	175	176	175
<b>Above Normal Years (15%)</b>	175	176	177	178	177	176	176	175	176	175	175	175
<b>Below Normal Years (17%)</b>	176	176	176	179	177	176	176	176	176	175	176	176
<b>Dry Water Years (22%)</b>	176	176	176	179	177	176	176	176	176	176	176	176
<b>Critical Water Years (15%)</b>	176	176	178	179	177	176	176	176	176	176	176	176

**Table 6B1-1-4b. Sacramento River downstream of Steamboat Slough, Alternative 3 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	177	178	181	179	177	176	176	176	176	176	176
20% Exceedance	176	176	177	180	178	176	176	176	176	176	176	176
30% Exceedance	176	176	177	179	177	176	176	176	176	176	176	176
40% Exceedance	176	176	176	178	177	176	176	176	176	175	176	176
50% Exceedance	176	176	176	178	177	176	176	176	176	175	176	175
60% Exceedance	176	175	176	178	176	176	176	176	176	175	176	175
70% Exceedance	175	175	176	177	176	176	175	175	176	175	175	175
80% Exceedance	175	175	176	177	176	176	175	175	176	175	175	175
90% Exceedance	175	175	175	177	176	175	175	175	175	175	175	175
<b>Full Simulation Period Average<sup>a</sup></b>	176	176	177	178	177	176	176	176	176	176	176	176
<b>Wet Water Years (32%)</b>	175	176	176	178	176	176	175	175	176	175	176	175
<b>Above Normal Years (15%)</b>	175	176	177	178	177	176	176	175	176	175	175	175
<b>Below Normal Years (17%)</b>	176	176	176	179	177	176	176	176	176	175	176	176
<b>Dry Water Years (22%)</b>	176	176	176	179	177	176	176	176	176	175	176	176
<b>Critical Water Years (15%)</b>	176	176	178	179	177	176	176	176	176	176	176	176

**Table 6B1-1-4c. Sacramento River downstream of Steamboat Slough, Alternative 3 051722 minus No Action Alternative 051422, 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
<b>Full Simulation Period Average<sup>a</sup></b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Wet Water Years (32%)</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Above Normal Years (15%)</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Below Normal Years (17%)</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Dry Water Years (22%)</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Critical Water Years (15%)</b>	0	0	0	0	0	0	0	0	0	0	0	0

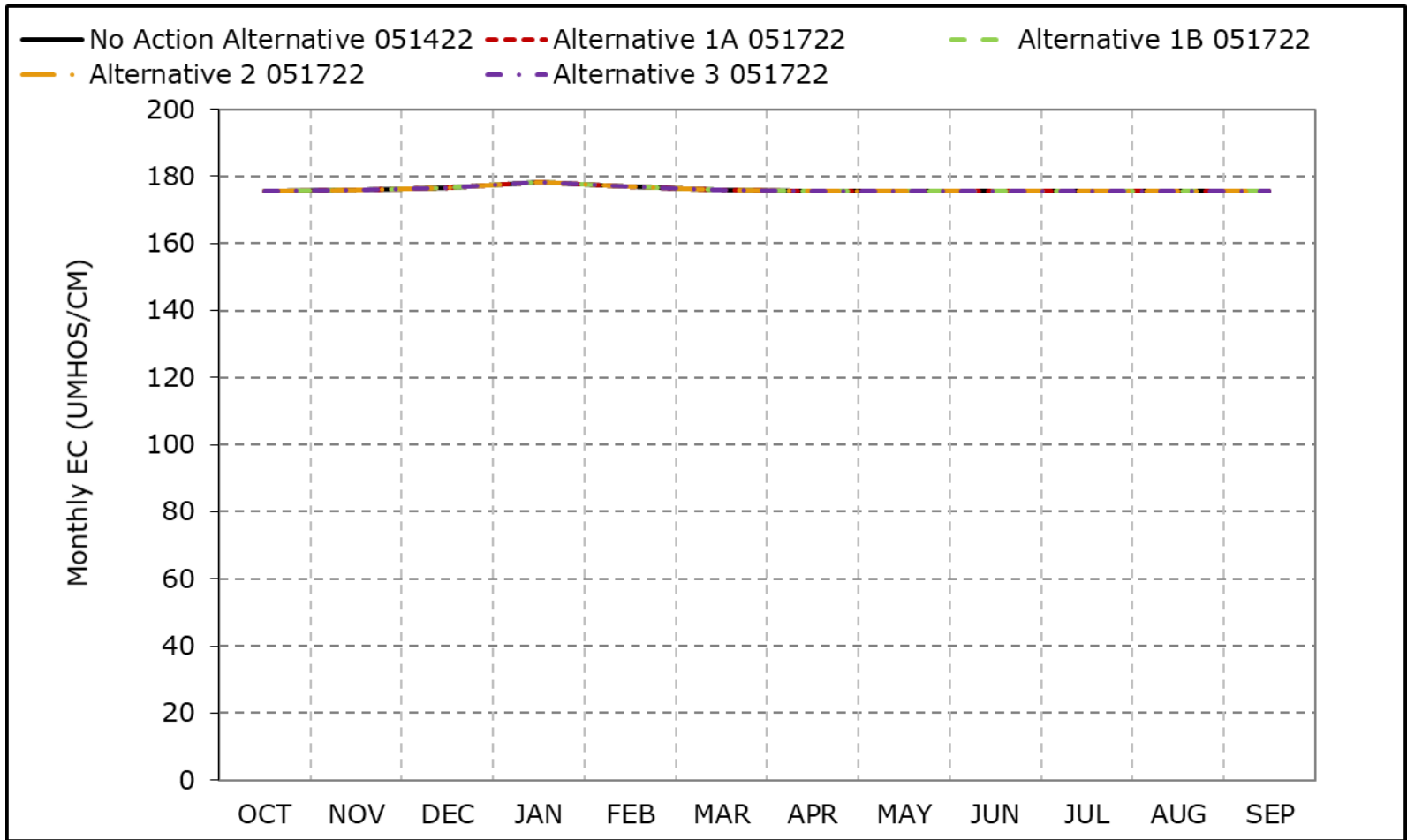
<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Figure 6B1-1-1. Sacramento River downstream of Steamboat Slough, Long-Term Average EC**

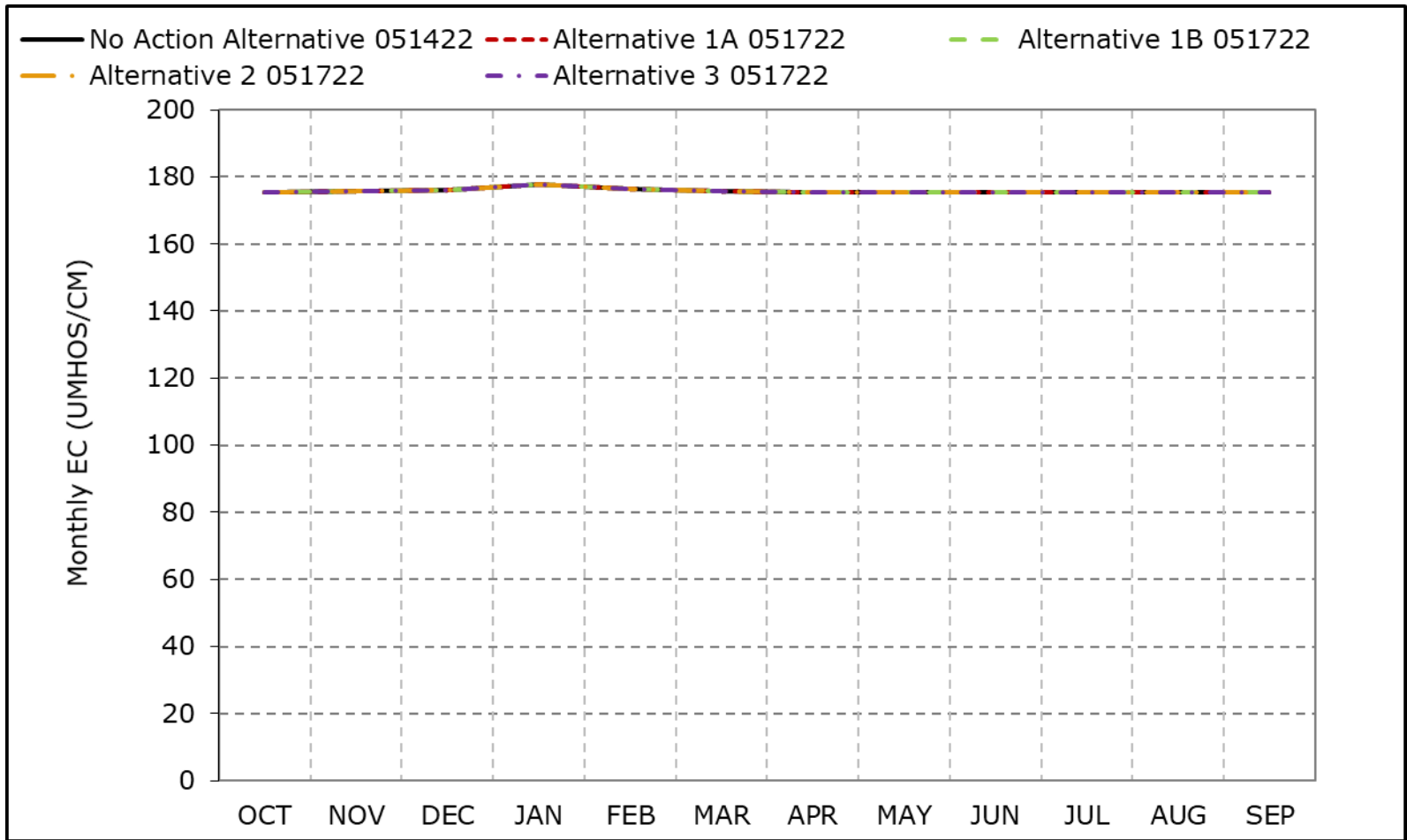


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-1-2. Sacramento River downstream of Steamboat Slough, Wet Year Average EC**



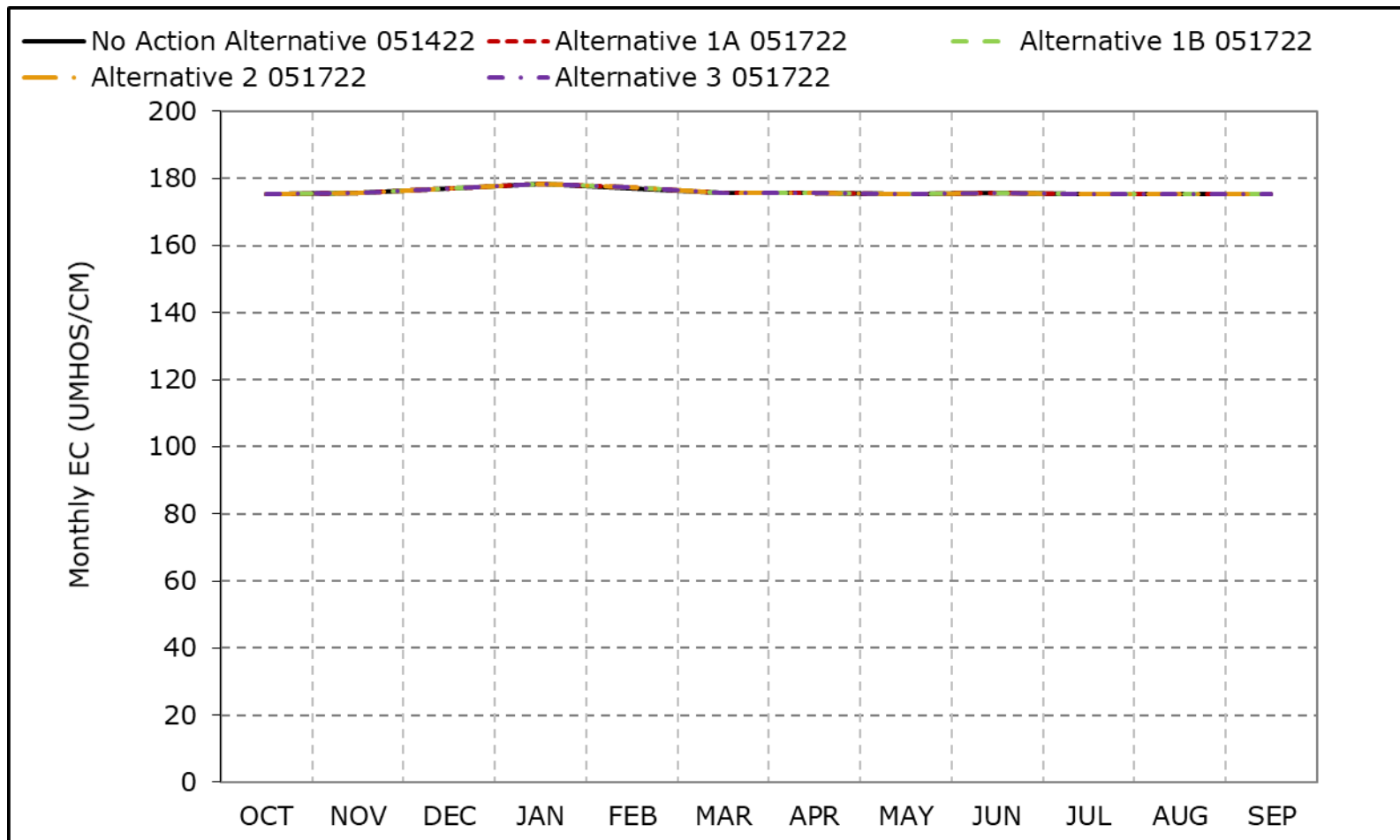
\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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



**Figure 6B1-1-3. Sacramento River downstream of Steamboat Slough, Above Normal Year Average EC**

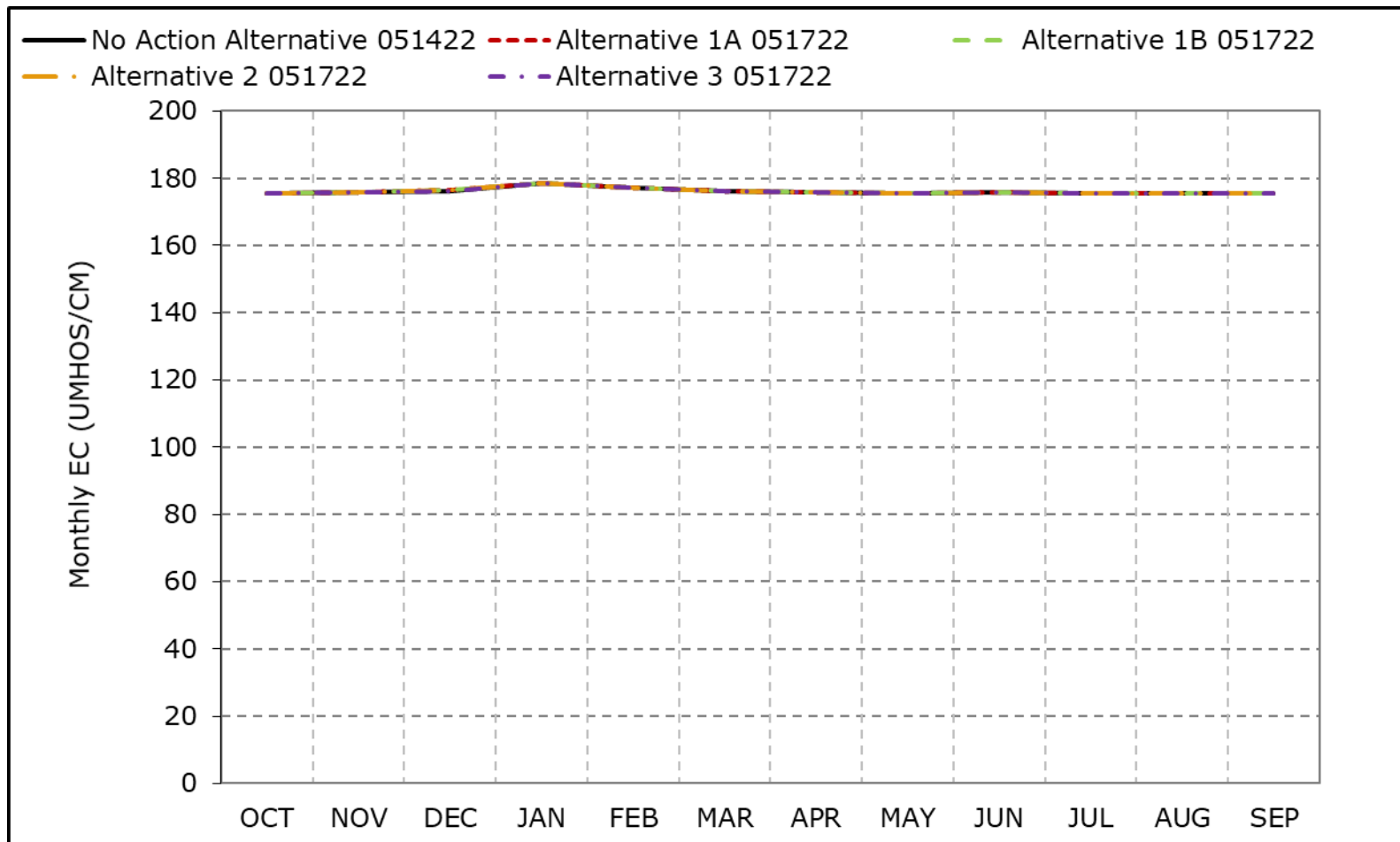


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-1-4. Sacramento River downstream of Steamboat Slough, Below Normal Year Average EC**

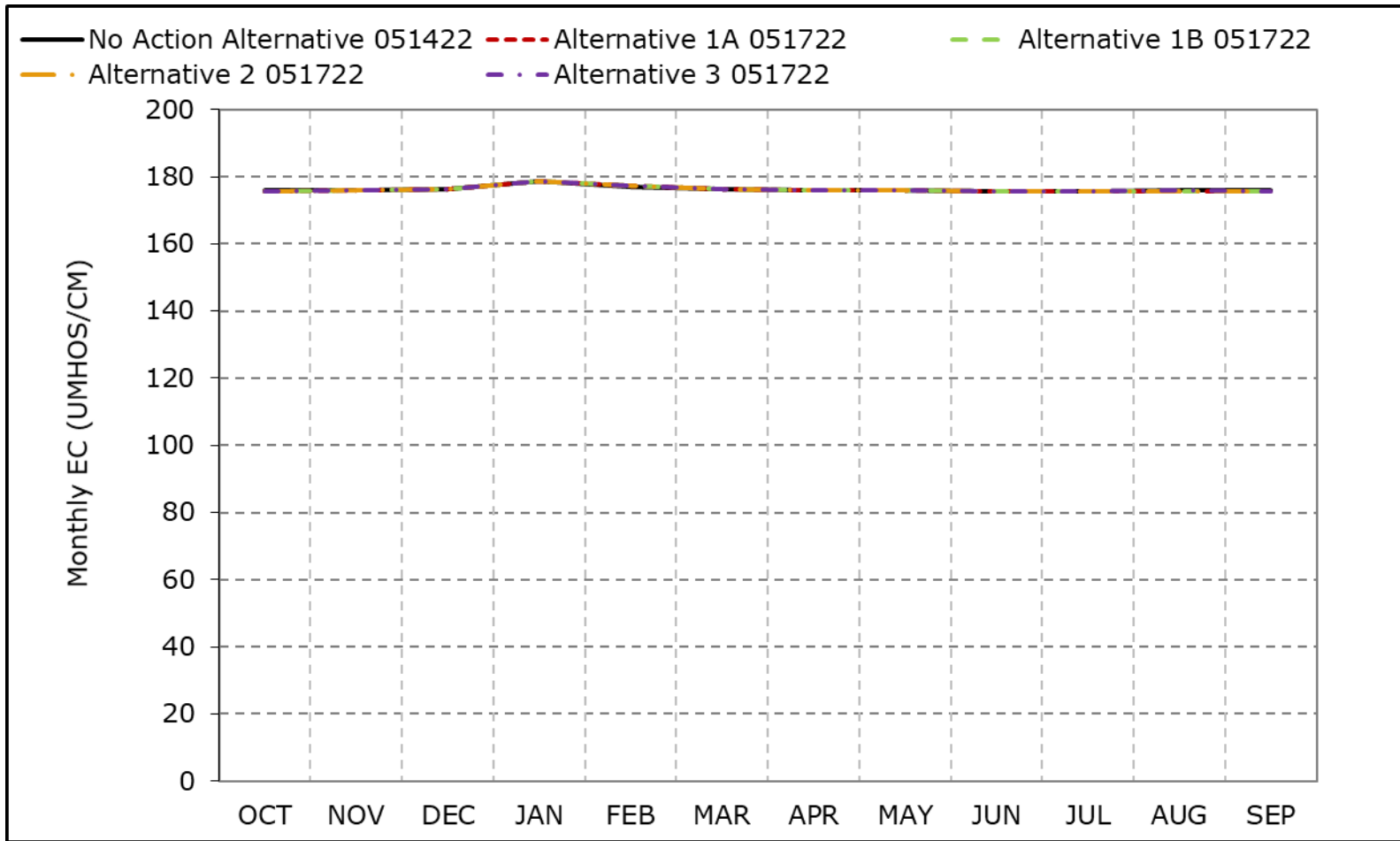


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

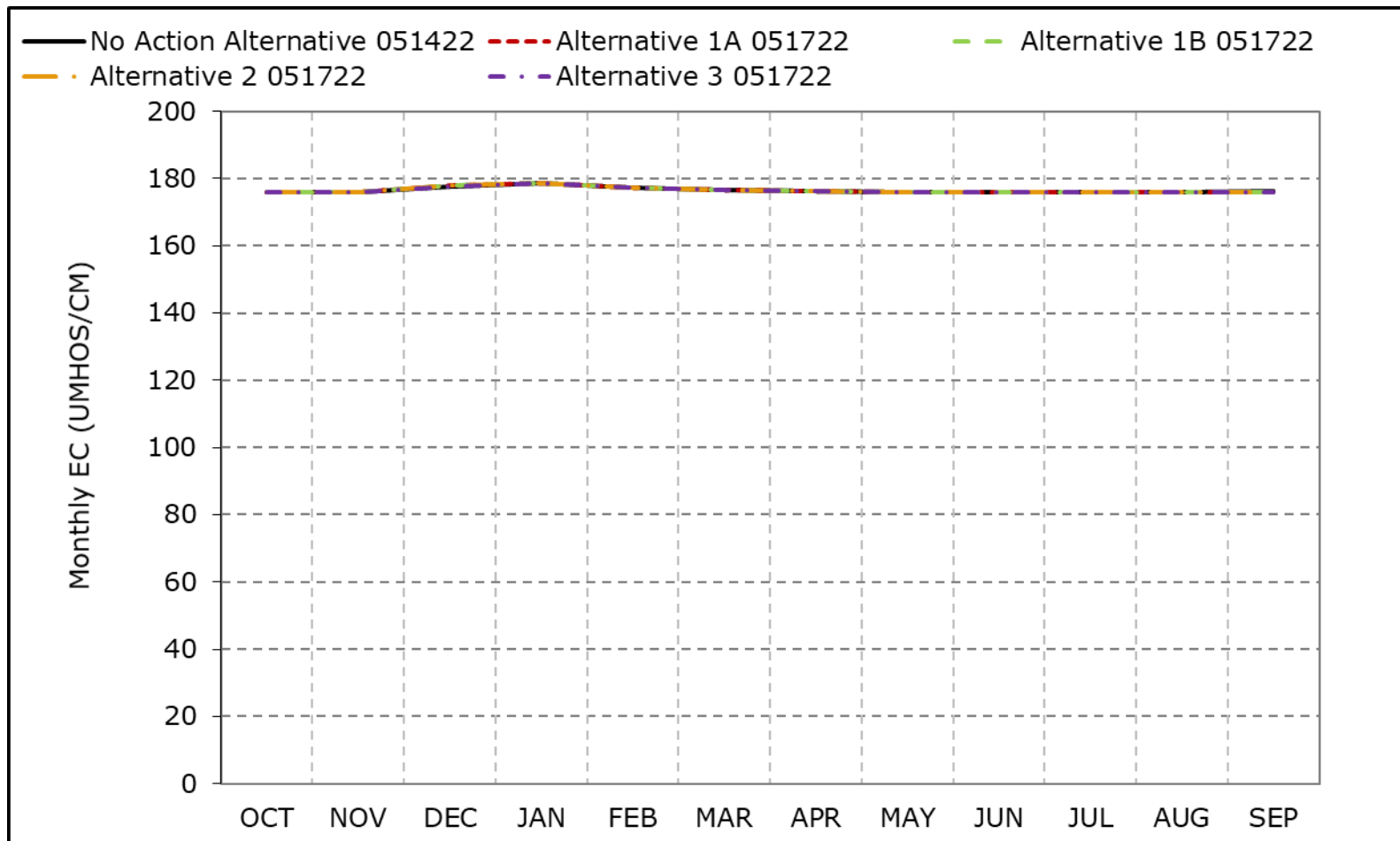
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-1-5. Sacramento River downstream of Steamboat 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 calendar year - year type sorting.  
 \*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-1-6. Sacramento River downstream of Steamboat Slough, Critical Year Average EC**

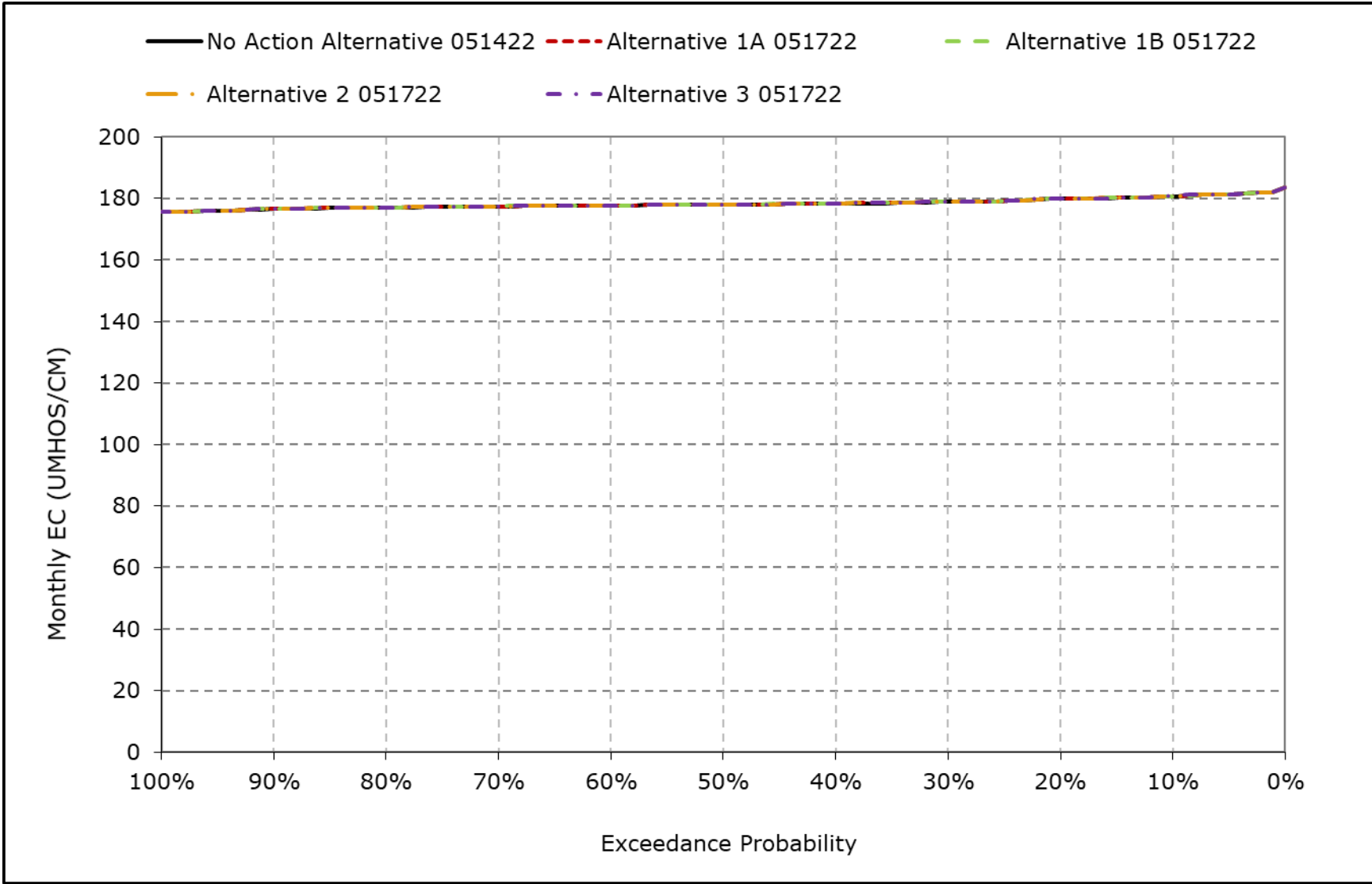


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

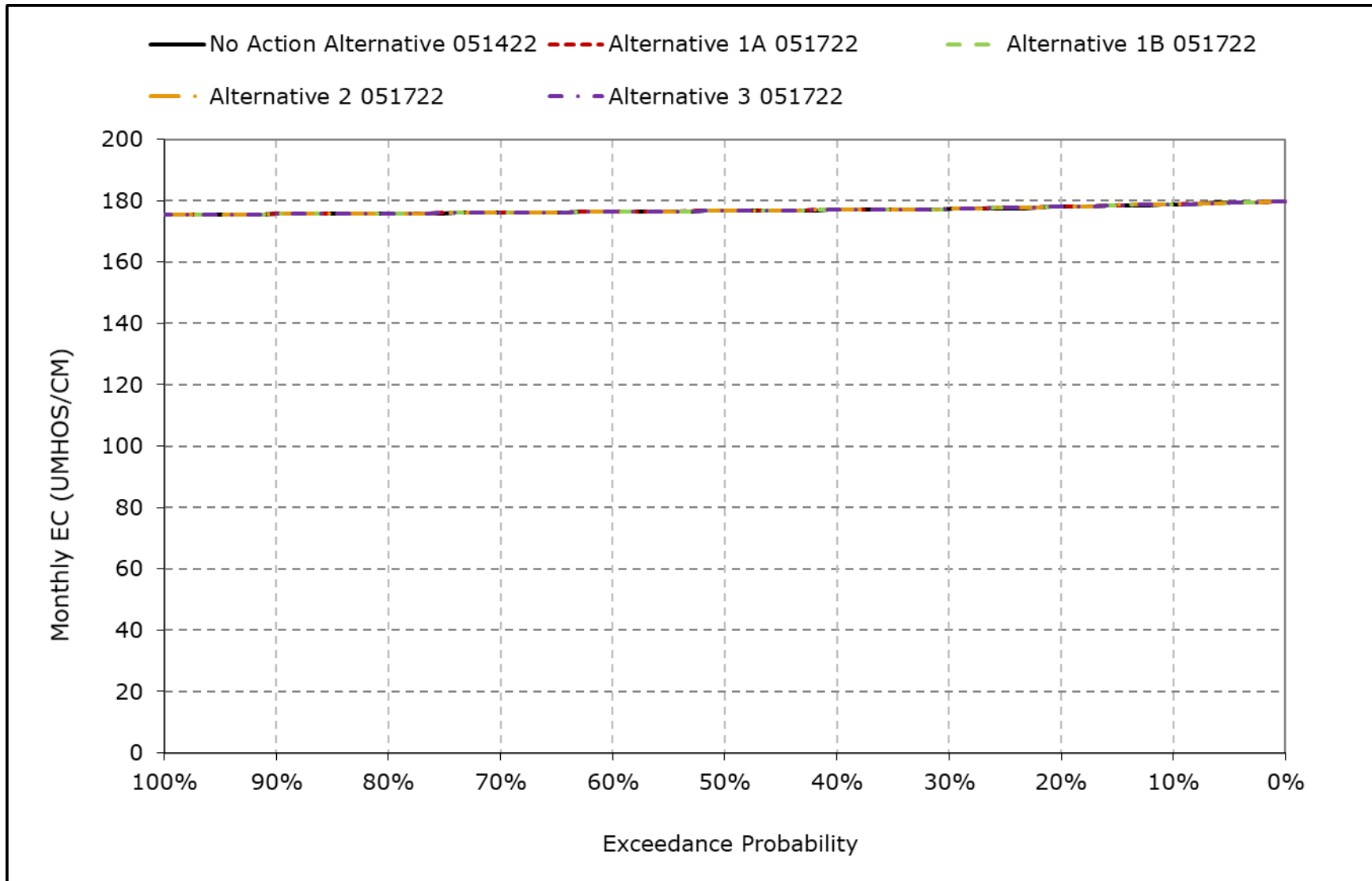
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-1-7. Sacramento River downstream of Steamboat Slough Salinity, January  
EC**



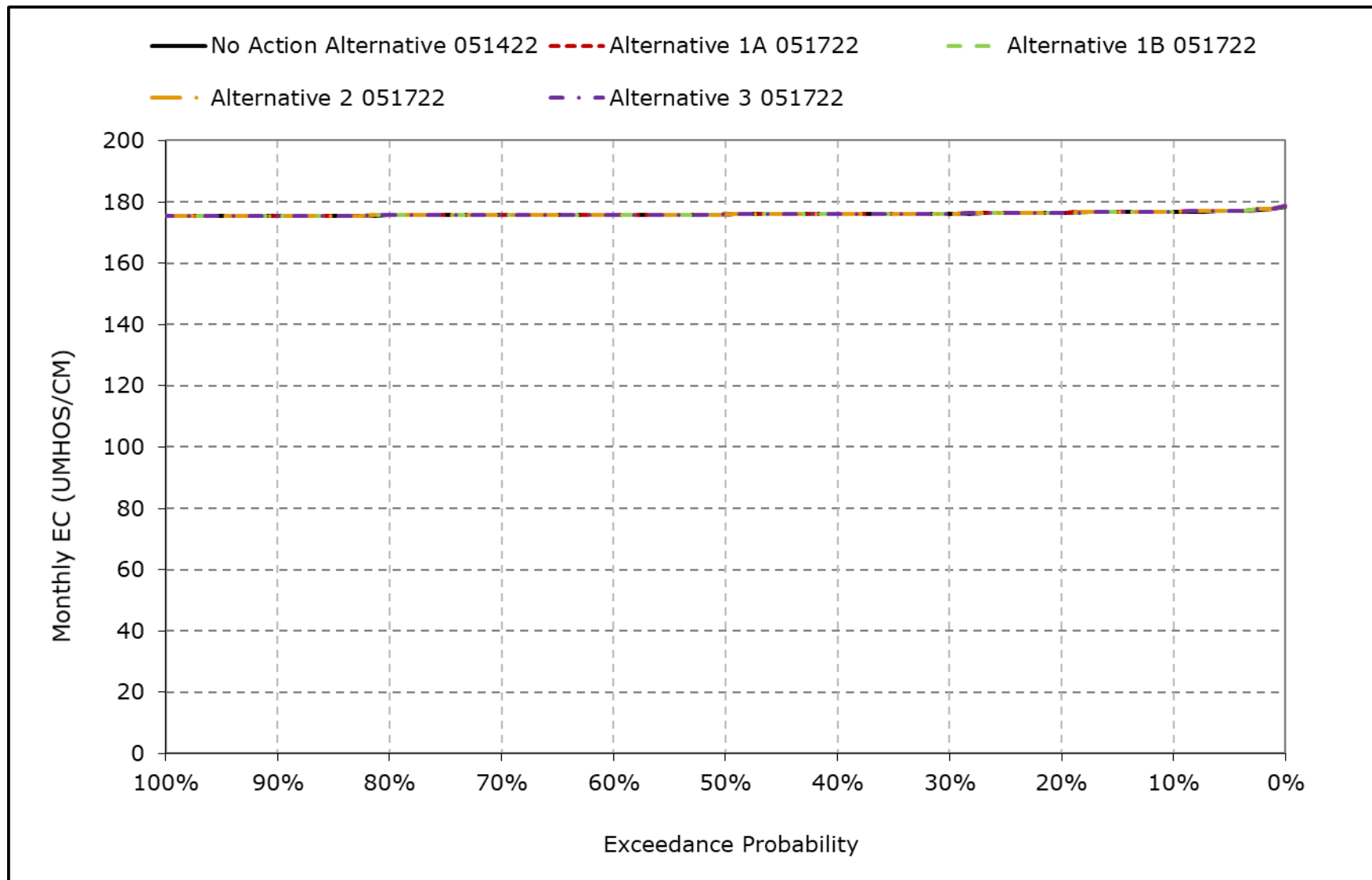
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-1-8. Sacramento River downstream of Steamboat Slough Salinity, February EC**



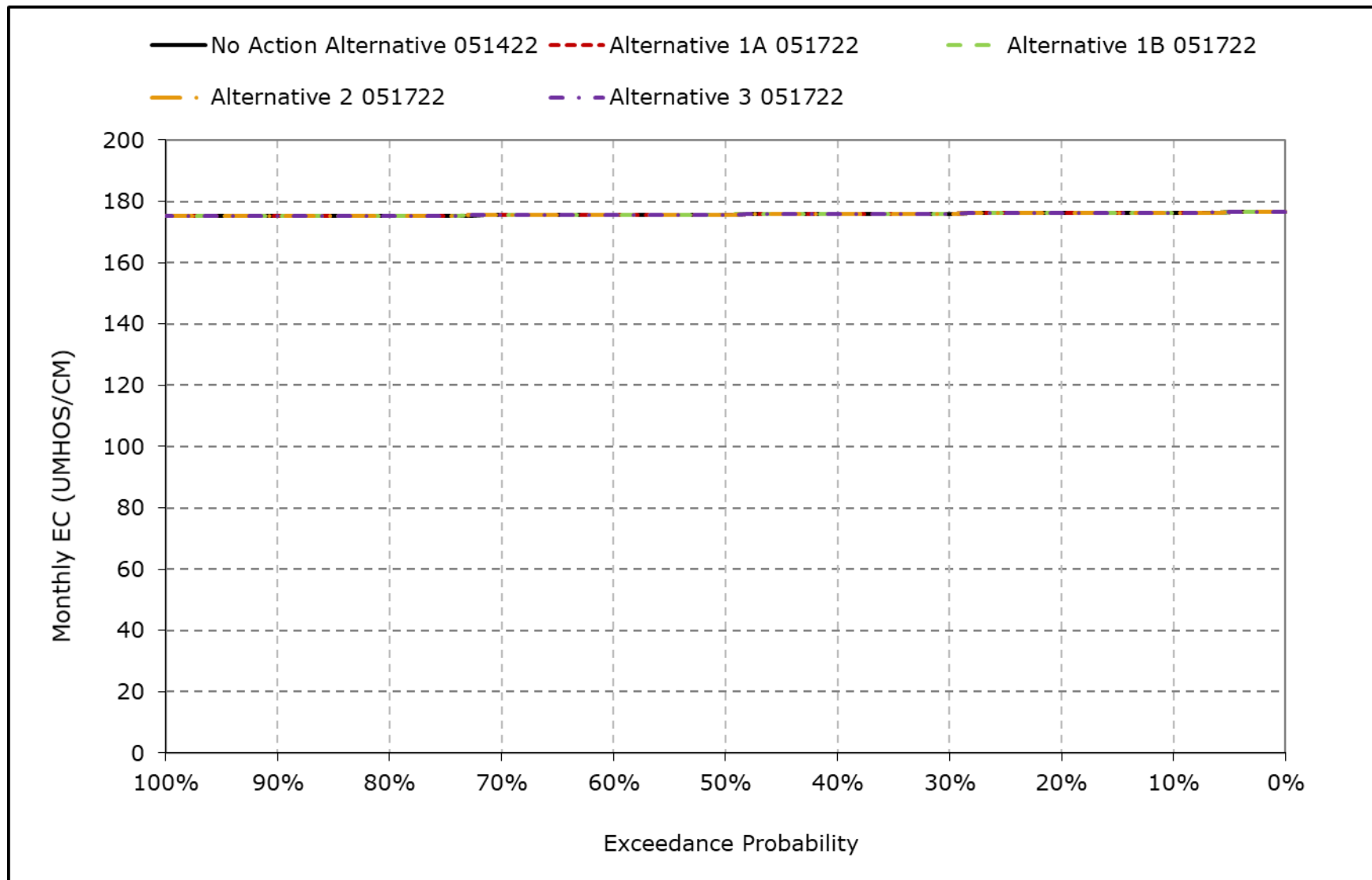
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-1-9. Sacramento River downstream of Steamboat Slough Salinity, March EC**



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

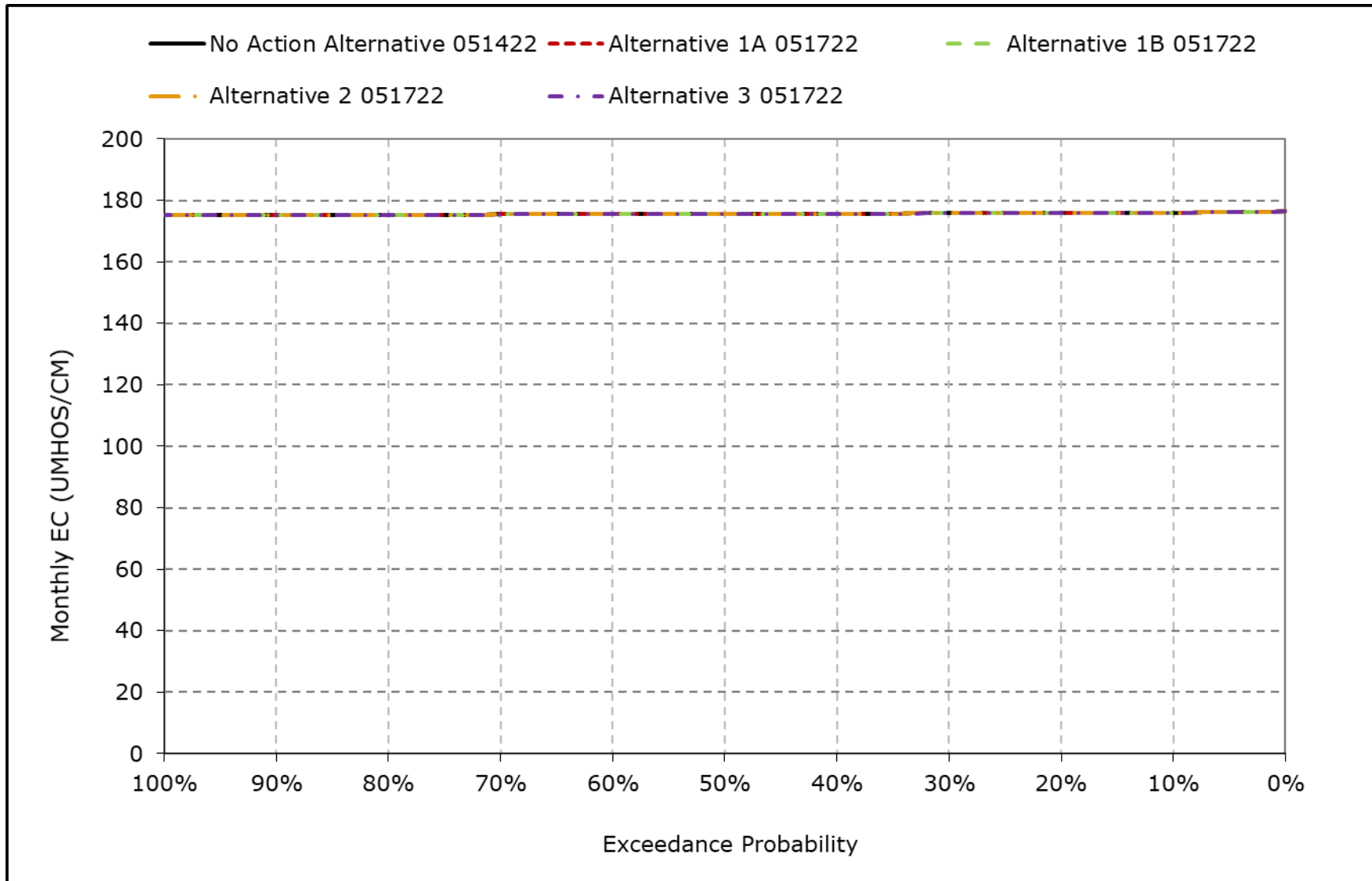
**Figure 6B1-1-10. Sacramento River downstream of Steamboat Slough Salinity, April  
EC**



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

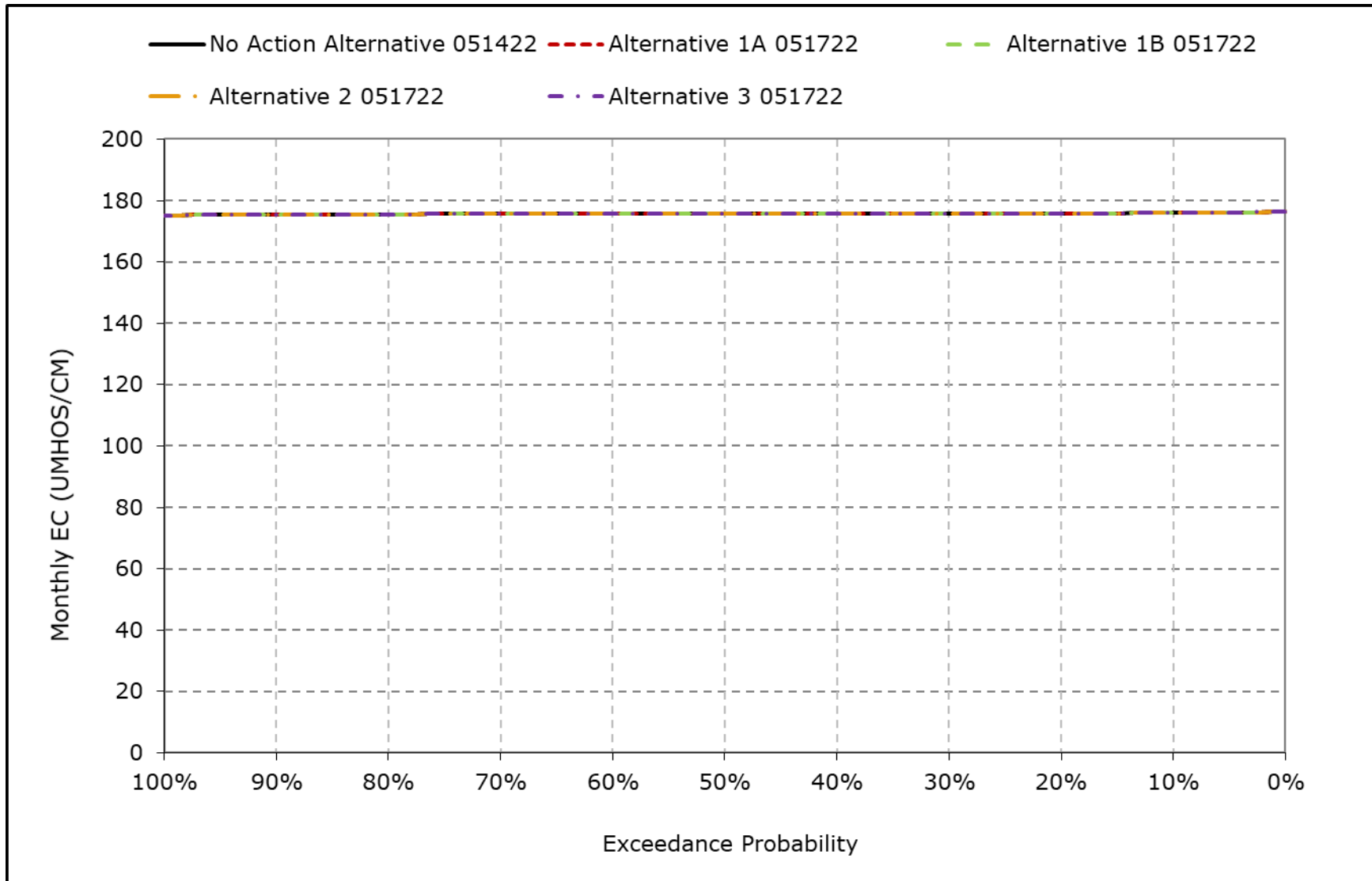


**Figure 6B1-1-11. Sacramento River downstream of Steamboat Slough Salinity, May EC**



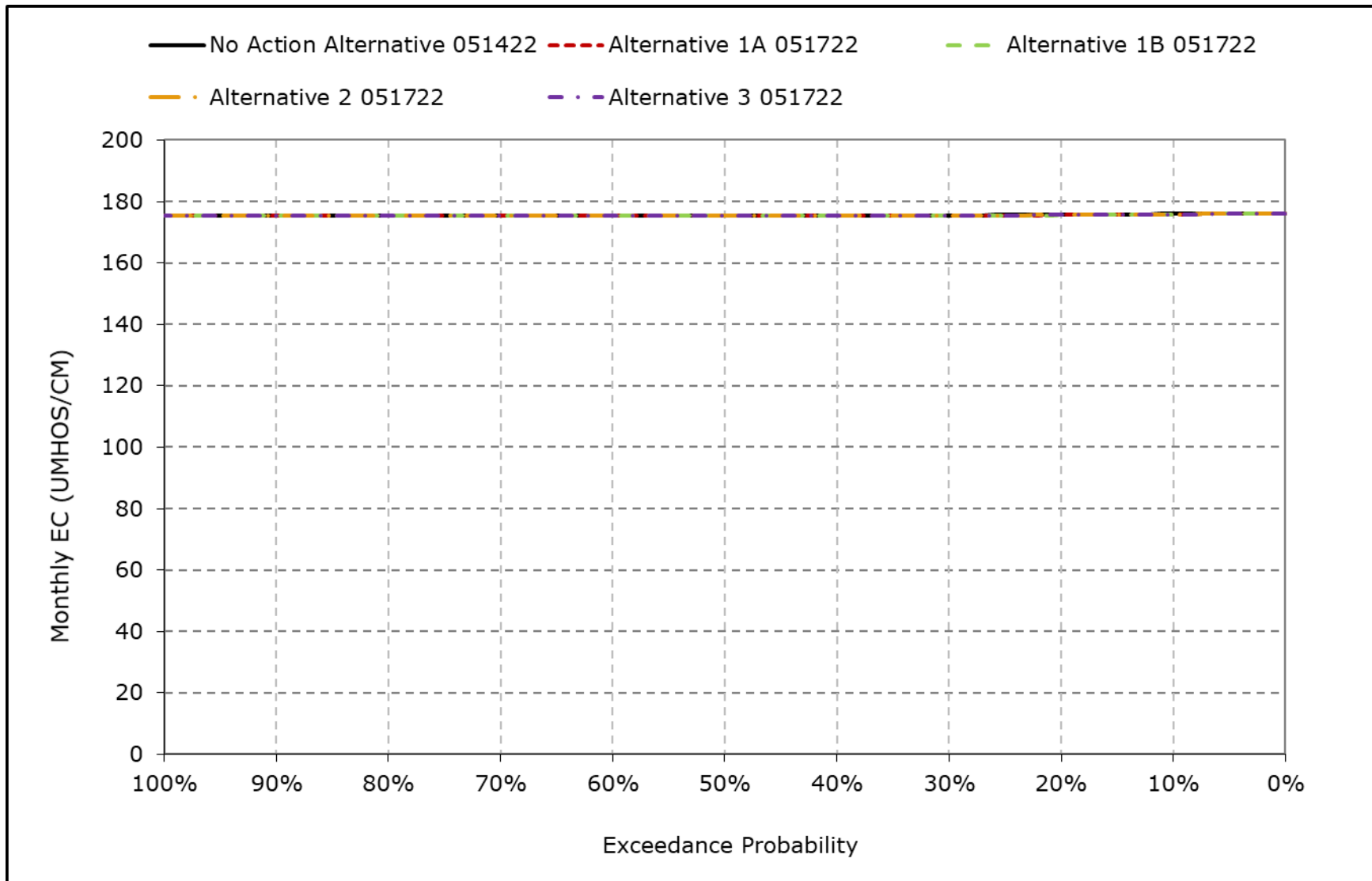
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-1-12. Sacramento River downstream of Steamboat Slough Salinity, June EC**



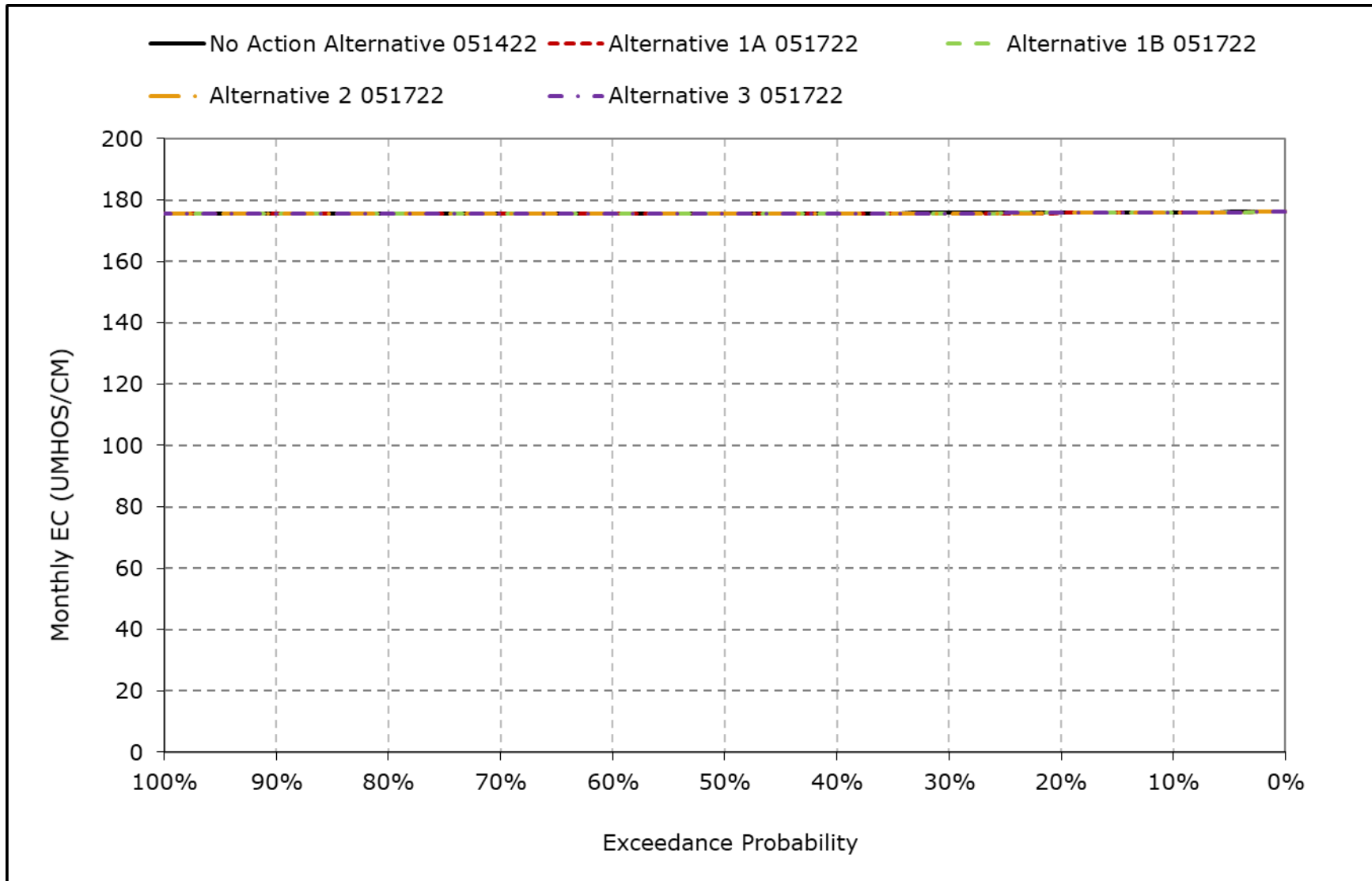
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-1-13. Sacramento River downstream of Steamboat Slough Salinity, July EC**



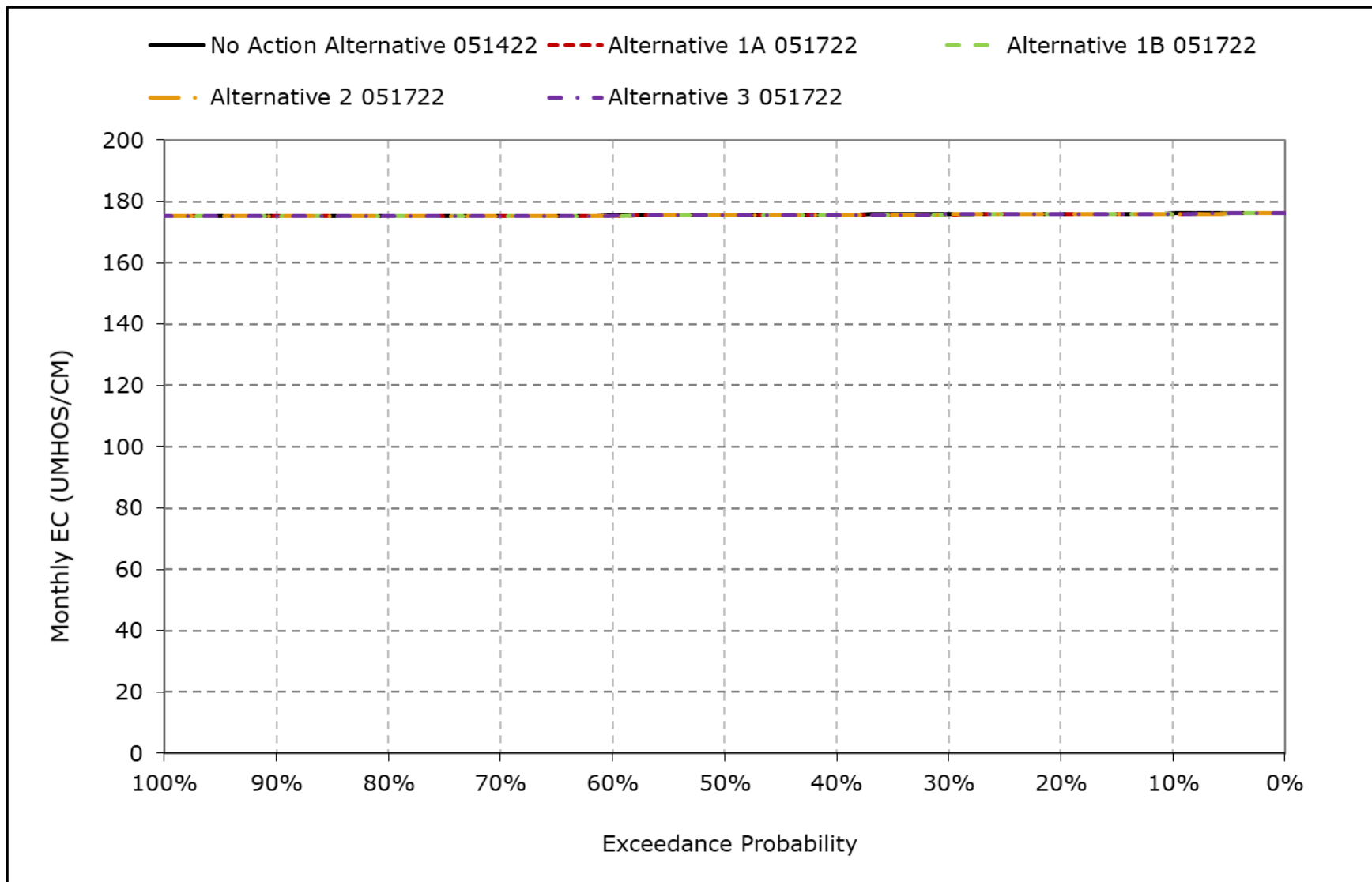
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-1-14. Sacramento River downstream of Steamboat Slough Salinity, August EC**



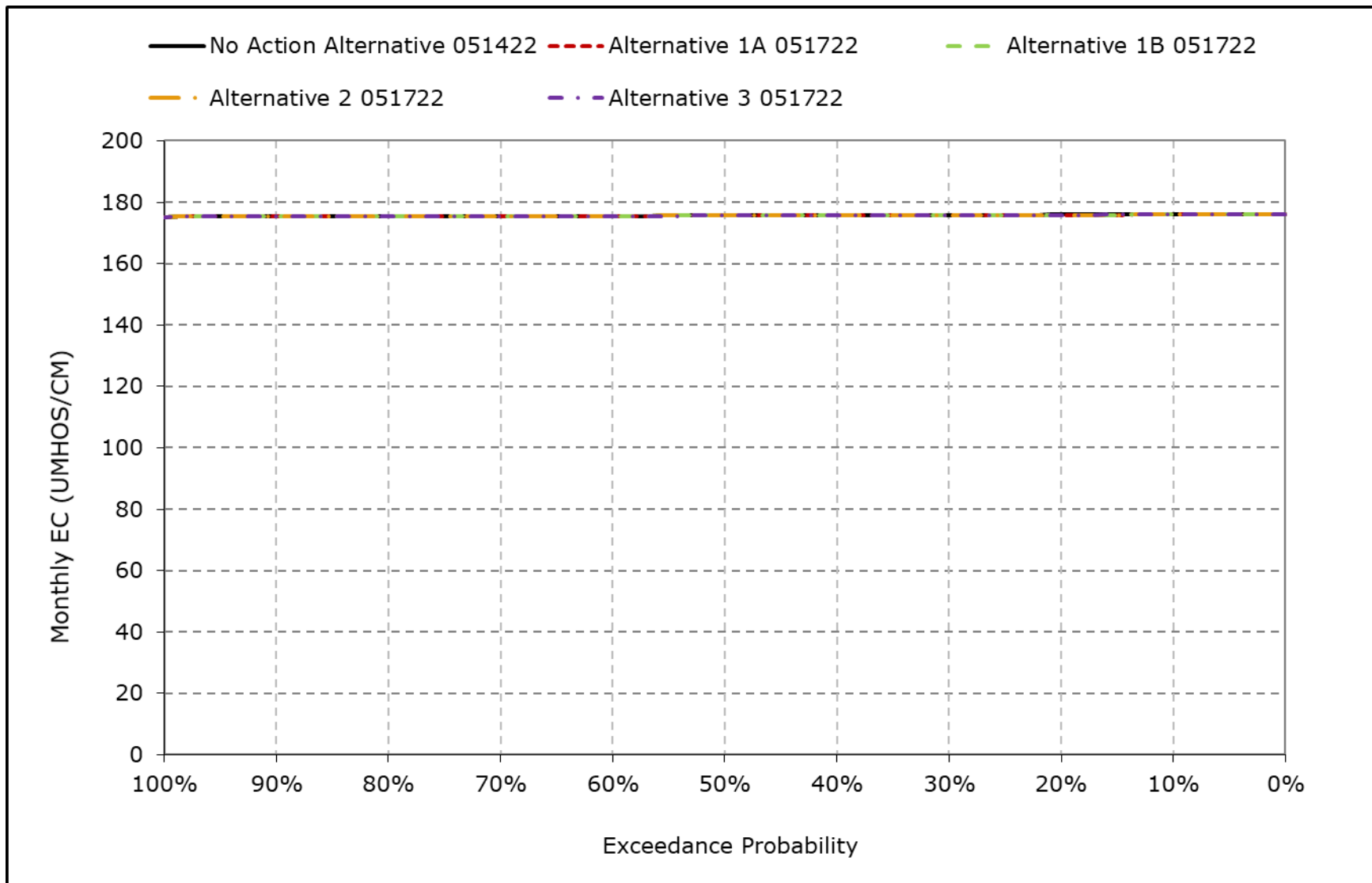
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-1-15. Sacramento River downstream of Steamboat Slough Salinity, September EC**



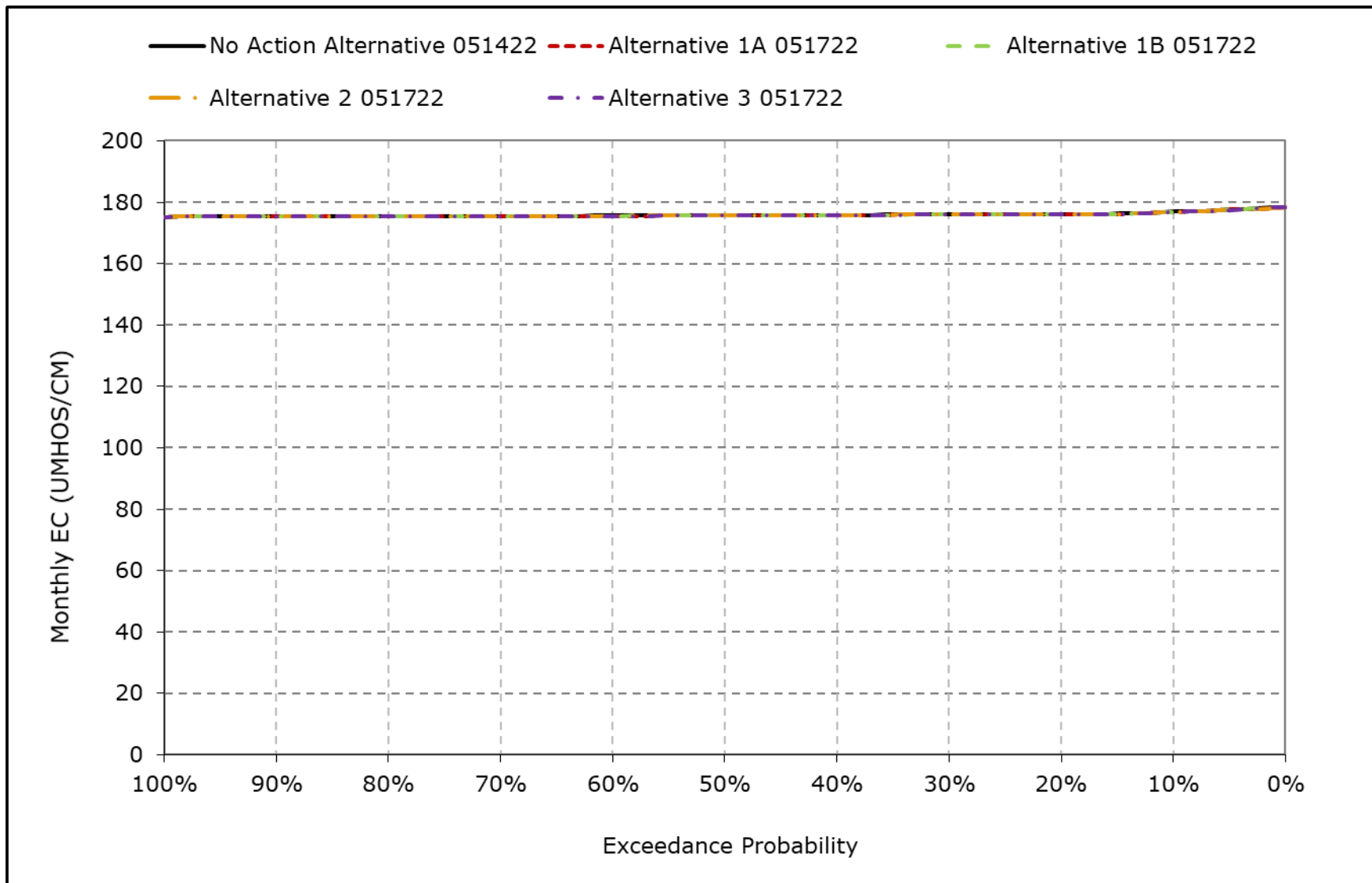
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-1-16. Sacramento River downstream of Steamboat Slough Salinity, October EC**



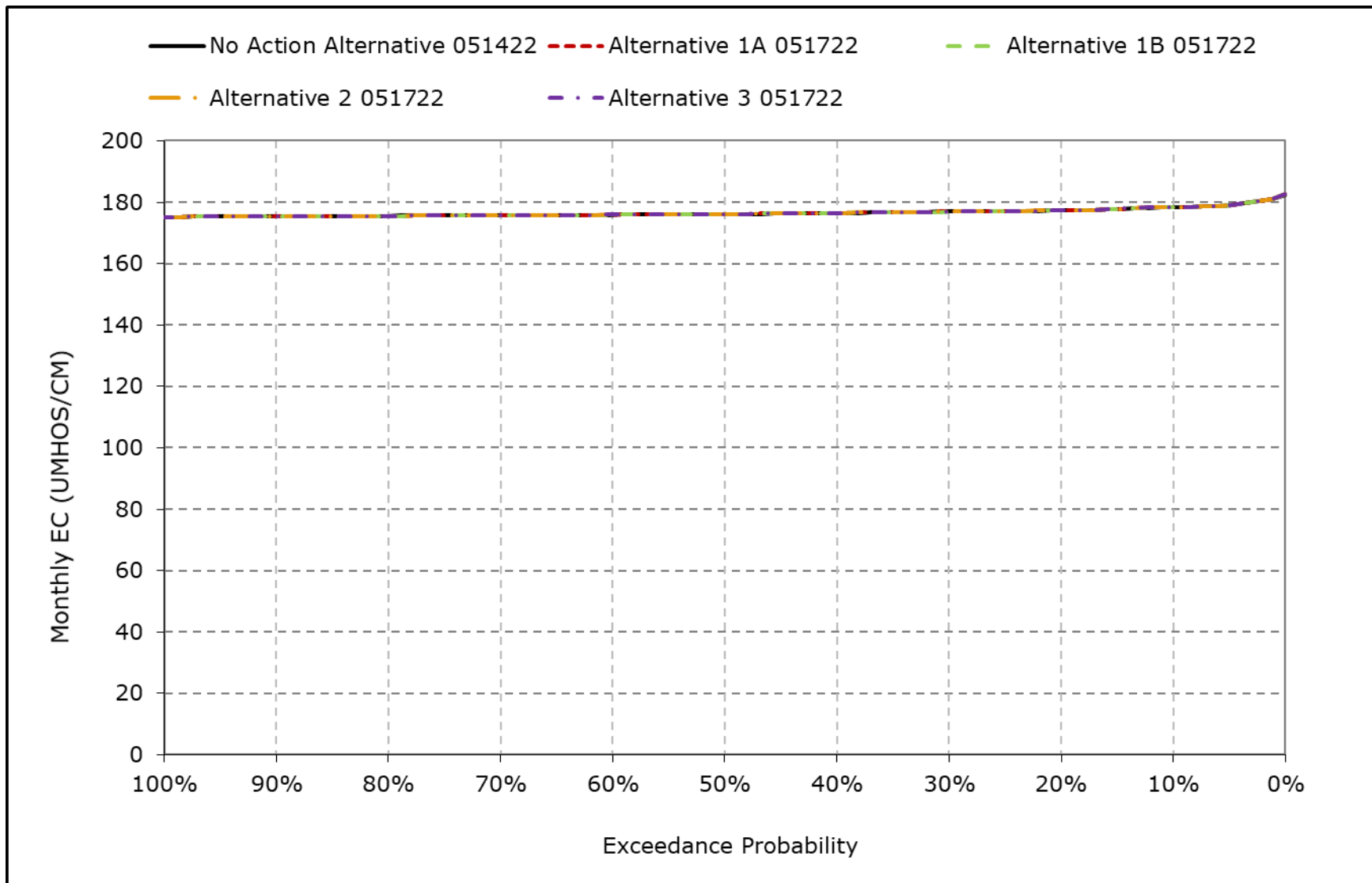
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-1-17. Sacramento River downstream of Steamboat Slough Salinity, November EC**



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

**Figure 6B1-1-18. Sacramento River downstream of Steamboat Slough Salinity, December EC**



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



**Table 6B1-2-1a. Cache Slough at Ryer Island, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	187	190	190	202	199	194	187	184	184	186	186	185
<b>20% Exceedance</b>	185	186	187	196	196	192	186	183	183	181	184	183
<b>30% Exceedance</b>	184	184	186	193	192	189	185	182	182	181	183	182
<b>40% Exceedance</b>	183	183	185	192	188	187	184	182	182	180	181	181
<b>50% Exceedance</b>	181	182	184	189	187	185	183	181	181	180	180	180
<b>60% Exceedance</b>	181	181	182	188	186	184	182	181	181	180	180	179
<b>70% Exceedance</b>	180	181	181	187	185	183	182	180	181	180	180	179
<b>80% Exceedance</b>	180	180	180	185	183	182	181	179	180	179	179	179
<b>90% Exceedance</b>	179	179	179	183	181	180	180	178	179	179	179	179
<b>Full Simulation Period Average<sup>a</sup></b>	183	183	185	191	189	186	183	181	182	181	182	181
<b>Wet Water Years (32%)</b>	180	181	182	189	183	183	182	180	180	180	180	179
<b>Above Normal Years (15%)</b>	180	181	185	193	191	184	182	180	181	180	179	179
<b>Below Normal Years (17%)</b>	182	183	183	192	192	189	184	181	181	180	180	180
<b>Dry Water Years (22%)</b>	185	185	185	193	192	188	185	182	182	181	184	183
<b>Critical Water Years (15%)</b>	188	191	191	192	193	190	186	184	186	187	187	186

**Table 6B1-2-1b. Cache Slough at Ryer Island, Alternative 1A 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	185	188	190	202	199	194	187	184	184	184	184	183
<b>20% Exceedance</b>	183	186	187	197	197	192	186	183	183	181	182	182
<b>30% Exceedance</b>	182	184	186	193	192	189	185	182	182	181	181	181
<b>40% Exceedance</b>	182	183	185	192	189	186	184	182	182	180	180	181
<b>50% Exceedance</b>	181	182	184	189	188	185	183	181	181	180	180	180
<b>60% Exceedance</b>	180	181	182	189	186	184	182	181	181	180	180	179
<b>70% Exceedance</b>	180	181	181	187	185	183	182	180	181	180	180	179
<b>80% Exceedance</b>	180	180	180	185	183	182	181	179	180	179	179	179
<b>90% Exceedance</b>	179	179	180	183	181	180	179	178	179	179	179	179
<b>Full Simulation Period Average<sup>a</sup></b>	182	183	185	192	190	187	184	181	182	181	181	181
<b>Wet Water Years (32%)</b>	180	181	182	189	184	183	182	180	180	180	180	179
<b>Above Normal Years (15%)</b>	180	180	185	193	191	185	182	180	181	180	179	179
<b>Below Normal Years (17%)</b>	181	182	183	192	192	189	184	181	181	180	180	180
<b>Dry Water Years (22%)</b>	183	184	185	193	192	188	185	182	182	180	182	182
<b>Critical Water Years (15%)</b>	187	190	191	192	193	190	186	184	186	186	184	184

**Table 6B1-2-1c. Cache Slough at Ryer Island, Alternative 1A 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

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

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-2-2a. Cache Slough at Ryer Island, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	187	190	190	202	199	194	187	184	184	186	186	185
20% Exceedance	185	186	187	196	196	192	186	183	183	181	184	183
30% Exceedance	184	184	186	193	192	189	185	182	182	181	183	182
40% Exceedance	183	183	185	192	188	187	184	182	182	180	181	181
50% Exceedance	181	182	184	189	187	185	183	181	181	180	180	180
60% Exceedance	181	181	182	188	186	184	182	181	181	180	180	179
70% Exceedance	180	181	181	187	185	183	182	180	181	180	180	179
80% Exceedance	180	180	180	185	183	182	181	179	180	179	179	179
90% Exceedance	179	179	179	183	181	180	180	178	179	179	179	179
<b>Full Simulation Period Average<sup>a</sup></b>	183	183	185	191	189	186	183	181	182	181	182	181
<b>Wet Water Years (32%)</b>	180	181	182	189	183	183	182	180	180	180	180	179
<b>Above Normal Years (15%)</b>	180	181	185	193	191	184	182	180	181	180	179	179
<b>Below Normal Years (17%)</b>	182	183	183	192	192	189	184	181	181	180	180	180
<b>Dry Water Years (22%)</b>	185	185	185	193	192	188	185	182	182	181	184	183
<b>Critical Water Years (15%)</b>	188	191	191	192	193	190	186	184	186	187	187	186

**Table 6B1-2-2b. Cache Slough at Ryer Island, Alternative 1B 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	185	188	190	202	199	194	187	184	184	184	184	183
20% Exceedance	183	186	187	197	197	192	186	183	182	181	182	182
30% Exceedance	182	184	186	193	192	189	185	182	182	181	181	181
40% Exceedance	182	183	185	192	189	187	184	182	182	180	180	181
50% Exceedance	181	182	184	190	188	185	183	181	181	180	180	180
60% Exceedance	180	181	182	189	186	184	182	181	181	180	180	179
70% Exceedance	180	181	181	187	185	183	182	180	181	180	180	179
80% Exceedance	180	180	180	185	183	182	181	179	180	179	179	179
90% Exceedance	179	179	180	183	181	180	180	178	179	179	179	178
<b>Full Simulation Period Average<sup>a</sup></b>	182	183	185	192	190	187	184	181	182	181	181	181
<b>Wet Water Years (32%)</b>	180	181	182	189	184	183	182	180	180	180	180	179
<b>Above Normal Years (15%)</b>	180	180	185	193	191	185	182	180	181	180	179	179
<b>Below Normal Years (17%)</b>	181	182	183	192	192	189	184	181	181	180	180	180
<b>Dry Water Years (22%)</b>	183	184	185	193	193	189	185	182	182	180	182	182
<b>Critical Water Years (15%)</b>	187	190	191	192	193	190	186	184	186	186	184	184

**Table 6B1-2-2c. Cache Slough at Ryer Island, Alternative 1B 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2	-2	0	0	0	1	0	0	0	-1	-2	-2
20% Exceedance	-2	0	0	0	1	0	0	0	0	0	-2	-2
30% Exceedance	-2	-1	0	0	0	0	0	0	0	0	-2	-1
40% Exceedance	-1	-1	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
<b>Full Simulation Period Average<sup>a</sup></b>	-1	0	0	0	0	0	0	0	0	0	-1	-1
<b>Wet Water Years (32%)</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Above Normal Years (15%)</b>	0	0	0	1	1	0	0	0	0	0	0	0
<b>Below Normal Years (17%)</b>	-1	-1	0	0	0	0	0	0	0	0	0	0
<b>Dry Water Years (22%)</b>	-2	-1	0	0	0	0	0	0	0	0	-2	-1
<b>Critical Water Years (15%)</b>	-2	-1	0	0	0	0	0	0	0	-1	-2	-2

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-2-3a. Cache Slough at Ryer Island, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	187	190	190	202	199	194	187	184	184	186	186	185
20% Exceedance	185	186	187	196	196	192	186	183	183	181	184	183
30% Exceedance	184	184	186	193	192	189	185	182	182	181	183	182
40% Exceedance	183	183	185	192	188	187	184	182	182	180	181	181
50% Exceedance	181	182	184	189	187	185	183	181	181	180	180	180
60% Exceedance	181	181	182	188	186	184	182	181	181	180	180	179
70% Exceedance	180	181	181	187	185	183	182	180	181	180	180	179
80% Exceedance	180	180	180	185	183	182	181	179	180	179	179	179
90% Exceedance	179	179	179	183	181	180	180	178	179	179	179	179
<b>Full Simulation Period Average<sup>a</sup></b>	183	183	185	191	189	186	183	181	182	181	182	181
<b>Wet Water Years (32%)</b>	180	181	182	189	183	183	182	180	180	180	180	179
<b>Above Normal Years (15%)</b>	180	181	185	193	191	184	182	180	181	180	179	179
<b>Below Normal Years (17%)</b>	182	183	183	192	192	189	184	181	181	180	180	180
<b>Dry Water Years (22%)</b>	185	185	185	193	192	188	185	182	182	181	184	183
<b>Critical Water Years (15%)</b>	188	191	191	192	193	190	186	184	186	187	187	186

**Table 6B1-2-3b. Cache Slough at Ryer Island, Alternative 2 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	185	188	190	202	199	194	187	184	184	184	184	183
20% Exceedance	183	185	187	197	197	192	186	183	183	181	182	182
30% Exceedance	182	184	186	193	192	189	185	182	182	181	181	181
40% Exceedance	182	183	185	192	189	186	184	182	182	180	180	181
50% Exceedance	181	181	184	190	188	185	183	181	181	180	180	180
60% Exceedance	180	181	182	189	186	184	182	181	181	180	180	179
70% Exceedance	180	181	181	187	185	183	182	180	181	180	180	179
80% Exceedance	180	180	180	185	183	182	181	179	180	179	179	179
90% Exceedance	179	179	180	183	181	180	180	178	179	179	179	178
<b>Full Simulation Period Average<sup>a</sup></b>	182	183	185	192	190	187	184	181	182	181	181	181
<b>Wet Water Years (32%)</b>	180	181	182	189	184	183	182	180	180	180	180	179
<b>Above Normal Years (15%)</b>	180	180	185	193	191	185	182	180	181	180	179	179
<b>Below Normal Years (17%)</b>	181	182	183	192	192	189	184	181	181	180	180	180
<b>Dry Water Years (22%)</b>	183	184	185	193	192	188	185	182	182	180	182	182
<b>Critical Water Years (15%)</b>	187	190	191	192	193	190	186	184	186	186	184	184

**Table 6B1-2-3c. Cache Slough at Ryer Island, Alternative 2 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-2	-2	0	0	0	1	0	0	0	-2	-2	-2
20% Exceedance	-2	0	-1	0	0	0	0	0	0	0	-2	-2
30% Exceedance	-2	-1	0	0	0	1	0	0	0	0	-2	-1
40% Exceedance	-1	-1	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
<b>Full Simulation Period Average<sup>a</sup></b>	-1	0	0	0	0	0	0	0	0	0	-1	-1
<b>Wet Water Years (32%)</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Above Normal Years (15%)</b>	0	0	0	1	1	0	0	0	0	0	0	0
<b>Below Normal Years (17%)</b>	-1	0	0	0	0	0	0	0	0	0	0	0
<b>Dry Water Years (22%)</b>	-2	-1	0	0	0	0	0	0	0	0	-2	-1
<b>Critical Water Years (15%)</b>	-2	-1	0	0	0	0	0	0	0	-1	-2	-2

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-2-4a. Cache Slough at Ryer Island, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	187	190	190	202	199	194	187	184	184	186	186	185
<b>20% Exceedance</b>	185	186	187	196	196	192	186	183	183	181	184	183
<b>30% Exceedance</b>	184	184	186	193	192	189	185	182	182	181	183	182
<b>40% Exceedance</b>	183	183	185	192	188	187	184	182	182	180	181	181
<b>50% Exceedance</b>	181	182	184	189	187	185	183	181	181	180	180	180
<b>60% Exceedance</b>	181	181	182	188	186	184	182	181	181	180	180	179
<b>70% Exceedance</b>	180	181	181	187	185	183	182	180	181	180	180	179
<b>80% Exceedance</b>	180	180	180	185	183	182	181	179	180	179	179	179
<b>90% Exceedance</b>	179	179	179	183	181	180	180	178	179	179	179	179
<b>Full Simulation Period Average<sup>a</sup></b>	183	183	185	191	189	186	183	181	182	181	182	181
<b>Wet Water Years (32%)</b>	180	181	182	189	183	183	182	180	180	180	180	179
<b>Above Normal Years (15%)</b>	180	181	185	193	191	184	182	180	181	180	179	179
<b>Below Normal Years (17%)</b>	182	183	183	192	192	189	184	181	181	180	180	180
<b>Dry Water Years (22%)</b>	185	185	185	193	192	188	185	182	182	181	184	183
<b>Critical Water Years (15%)</b>	188	191	191	192	193	190	186	184	186	187	187	186

**Table 6B1-2-4b. Cache Slough at Ryer Island, Alternative 3 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	186	188	190	202	199	194	187	184	184	184	184	183
<b>20% Exceedance</b>	183	186	187	197	197	192	186	183	183	181	183	182
<b>30% Exceedance</b>	182	183	186	193	192	188	185	182	182	181	181	181
<b>40% Exceedance</b>	181	182	185	192	188	187	184	182	182	180	180	181
<b>50% Exceedance</b>	181	181	184	189	188	185	183	181	181	180	180	180
<b>60% Exceedance</b>	180	181	182	188	186	184	183	180	181	180	180	179
<b>70% Exceedance</b>	180	181	181	187	185	183	182	180	181	180	179	179
<b>80% Exceedance</b>	179	180	180	185	184	182	181	179	180	179	179	179
<b>90% Exceedance</b>	179	179	179	183	181	180	180	178	179	179	179	178
<b>Full Simulation Period Average<sup>a</sup></b>	182	183	185	192	190	187	184	181	182	181	181	181
<b>Wet Water Years (32%)</b>	180	181	182	190	184	183	182	180	180	180	180	179
<b>Above Normal Years (15%)</b>	180	180	185	193	191	185	182	180	181	180	179	179
<b>Below Normal Years (17%)</b>	181	182	183	192	192	189	184	181	181	180	180	180
<b>Dry Water Years (22%)</b>	183	184	185	193	192	188	185	182	182	180	182	182
<b>Critical Water Years (15%)</b>	187	190	191	192	193	190	186	184	186	186	184	185

**Table 6B1-2-4c. Cache Slough at Ryer Island, Alternative 3 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

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

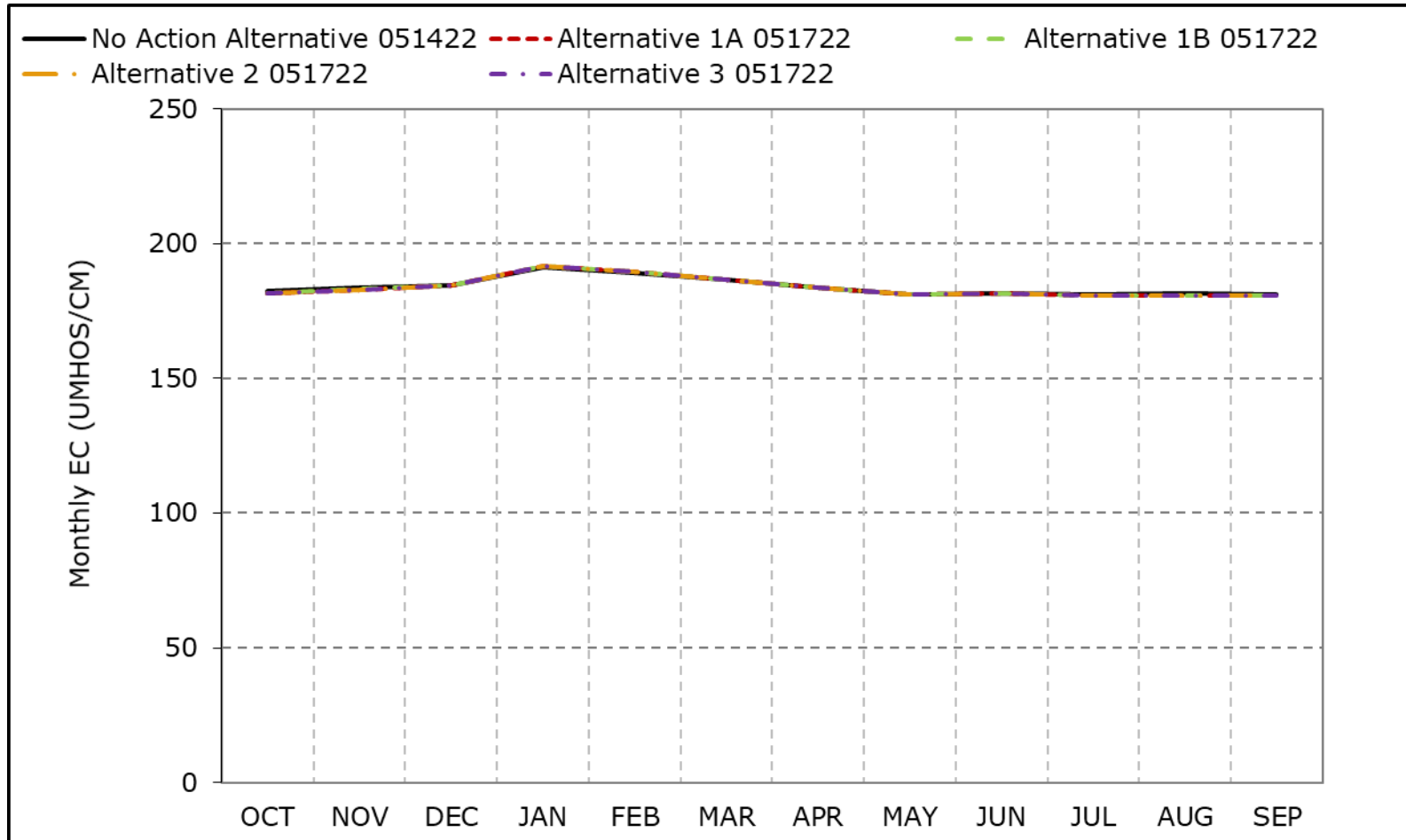
<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Figure 6B1-2-1. Cache Slough at Ryer Island, Long-Term Average EC**

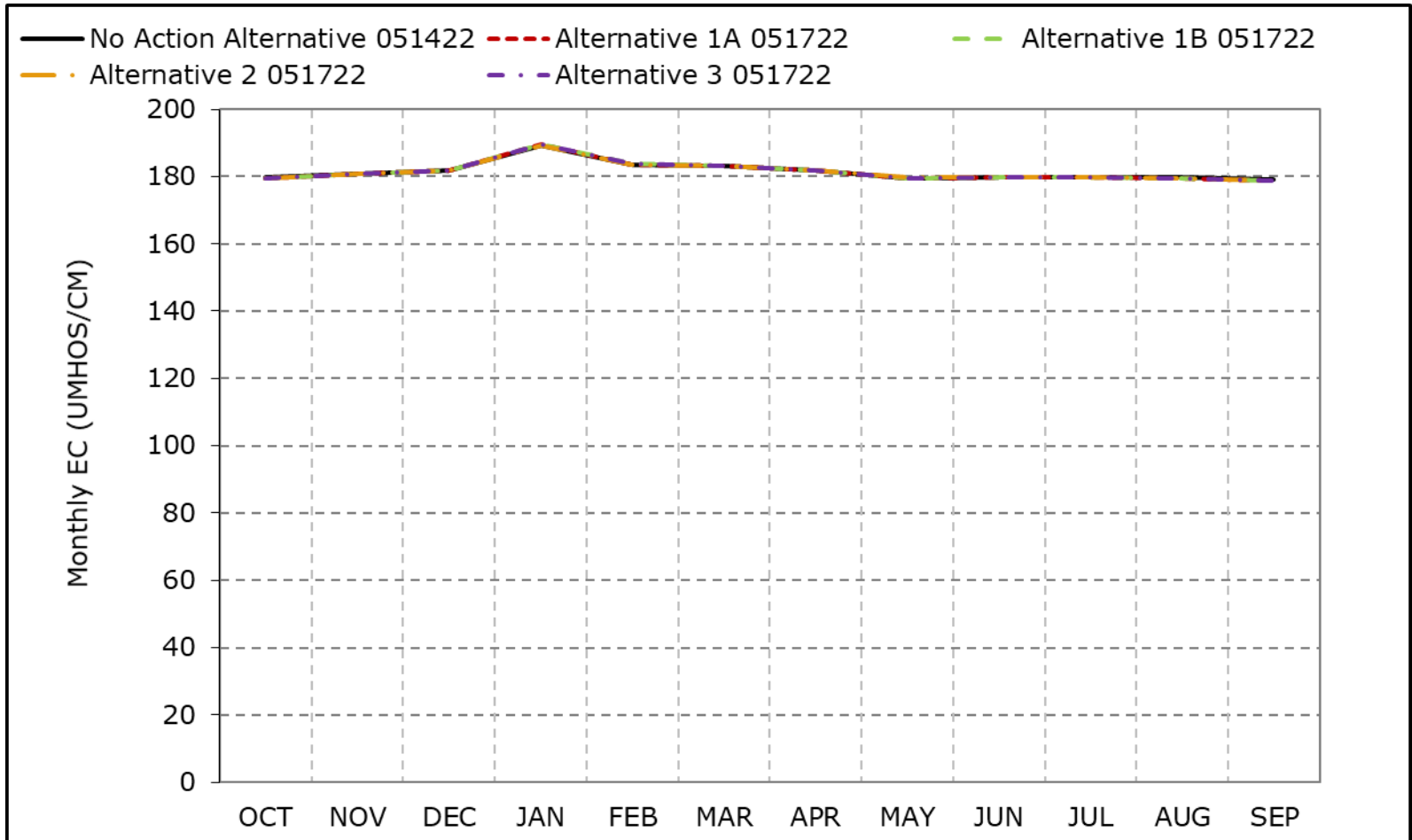


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-2-2. Cache Slough at Ryer Island, Wet Year Average EC**

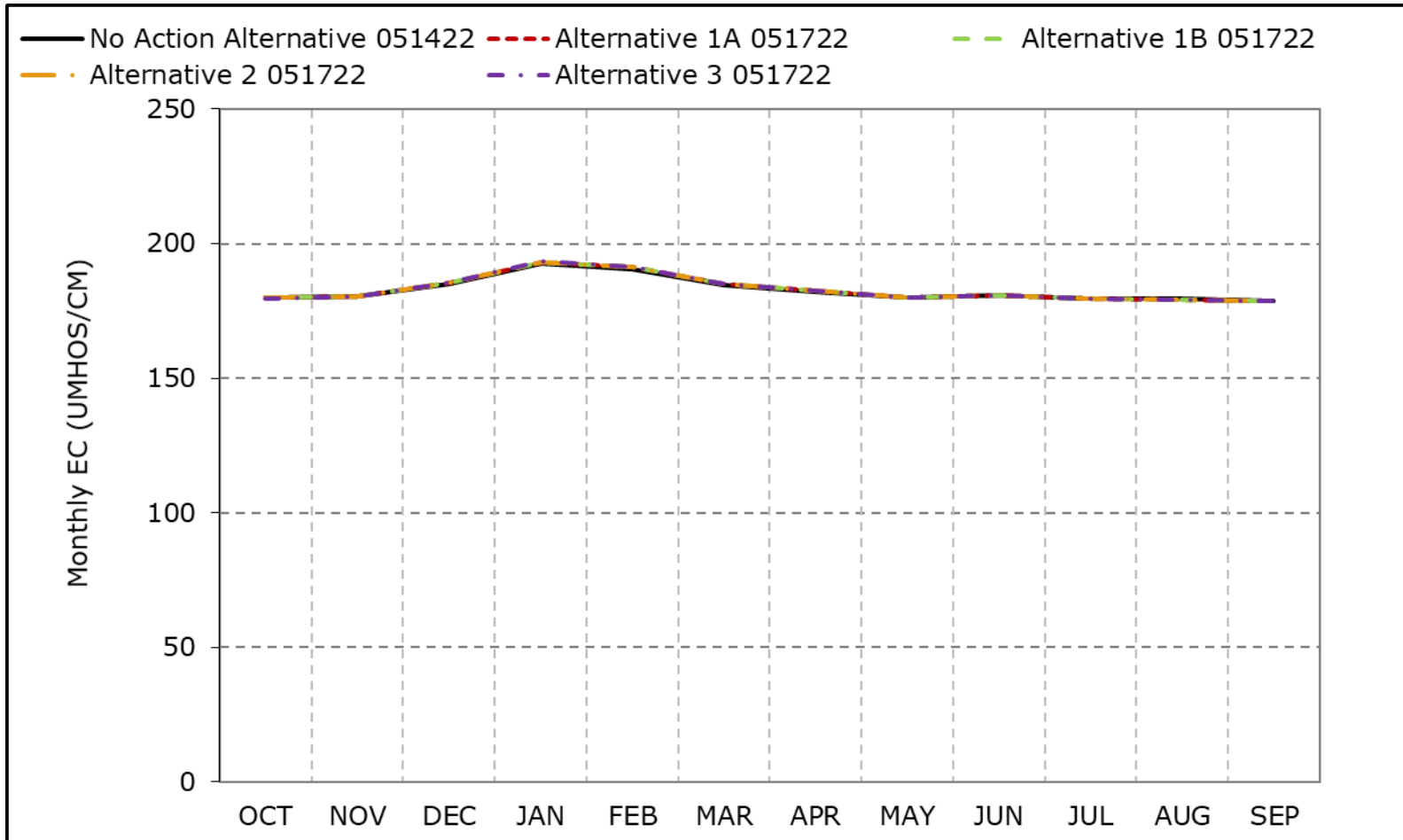


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-2-3. Cache Slough at Ryer Island, Above Normal Year Average EC**

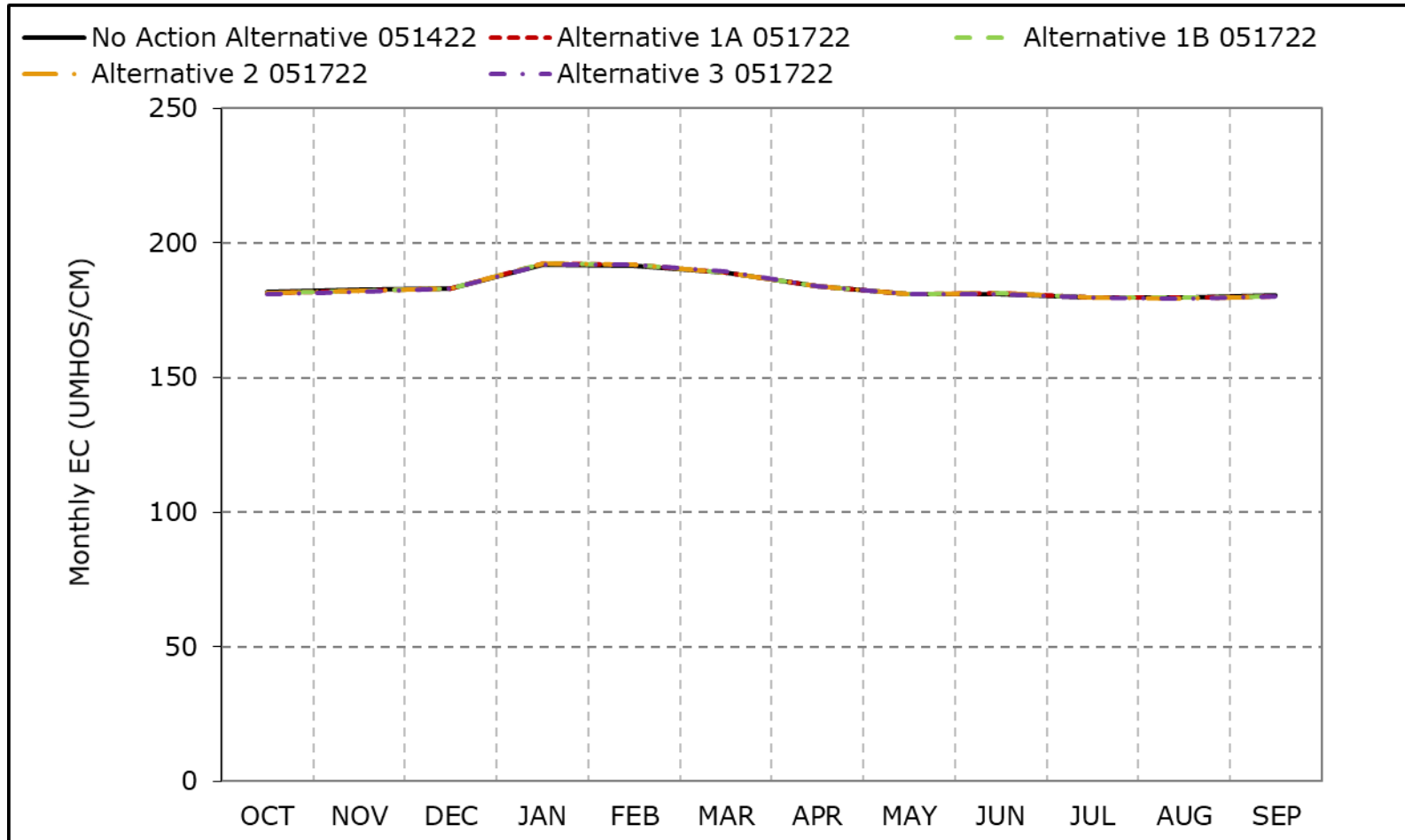


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-2-4. Cache Slough at Ryer Island, Below Normal Year Average EC**



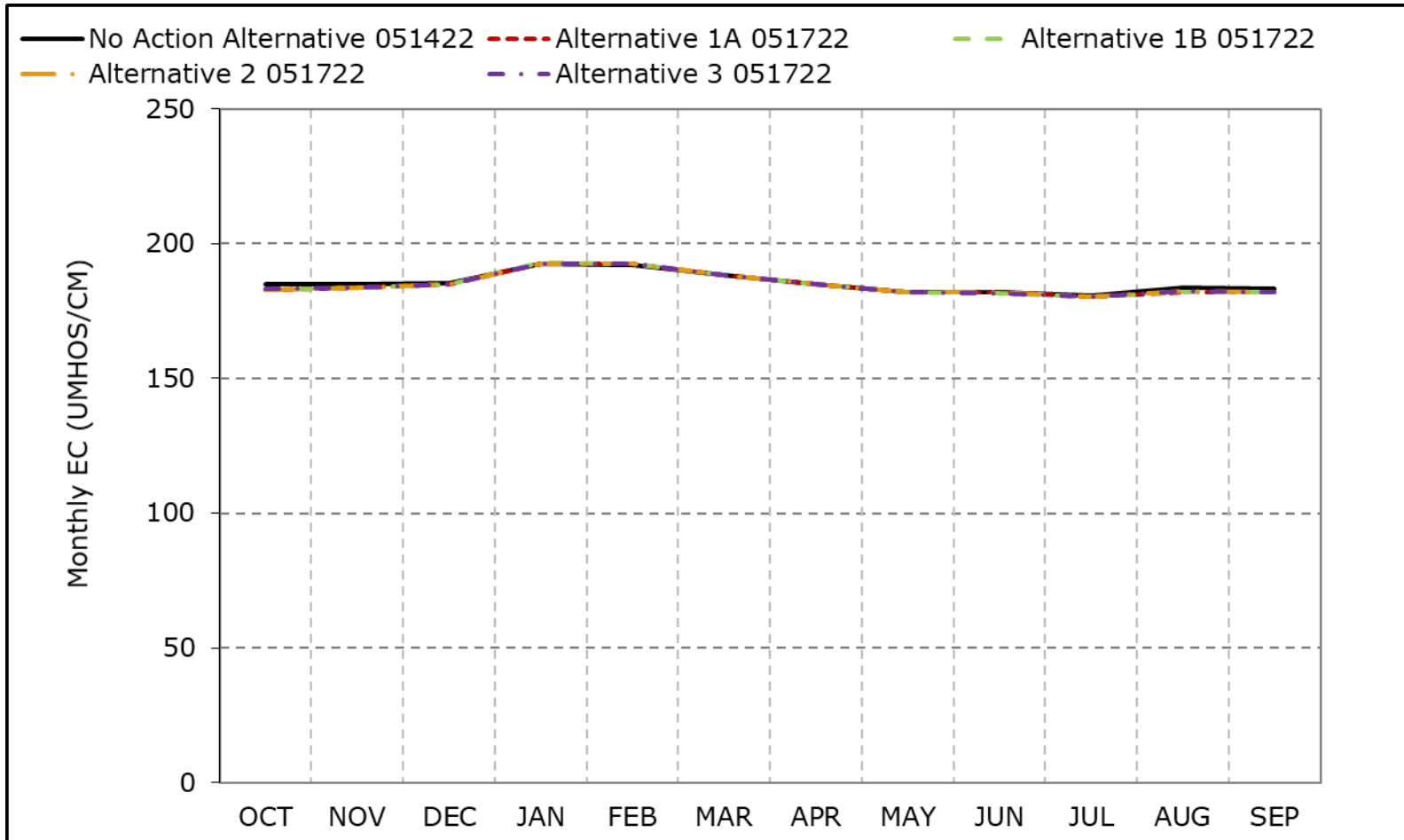
\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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



**Figure 6B1-2-5. Cache Slough at Ryer Island, Dry Year Average EC**

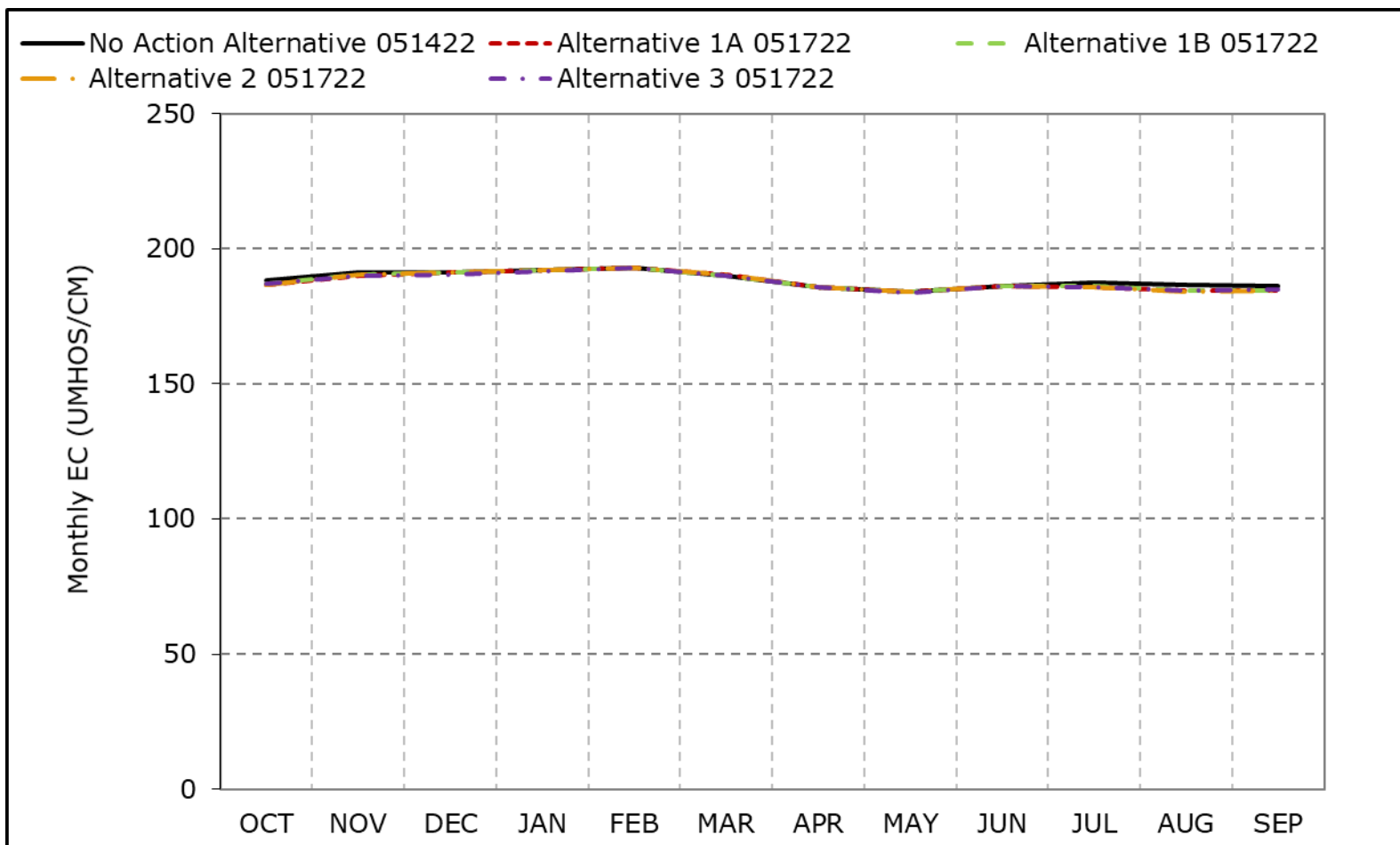


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-2-6. Cache Slough at Ryer Island, Critical Year Average EC**

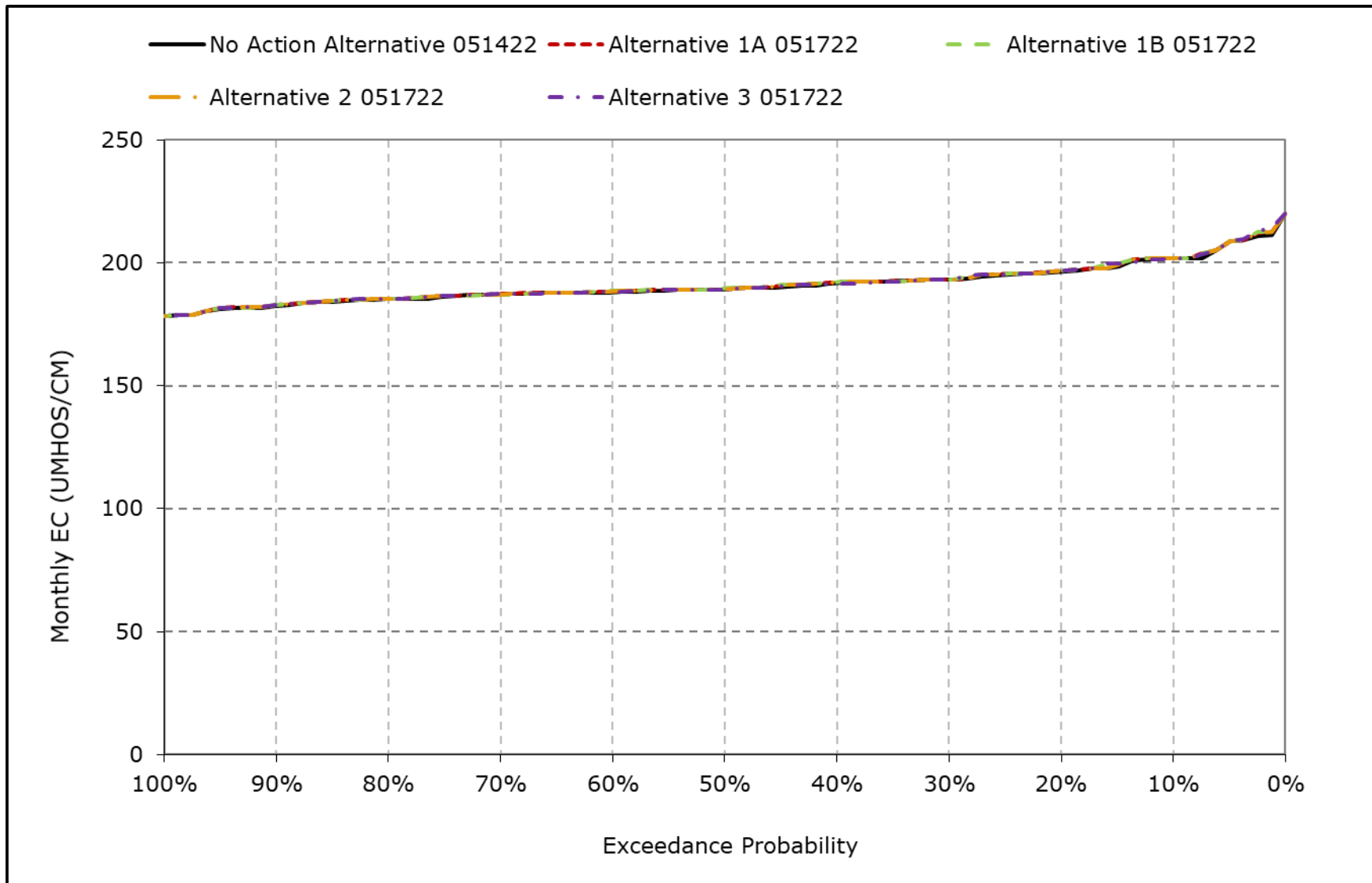


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

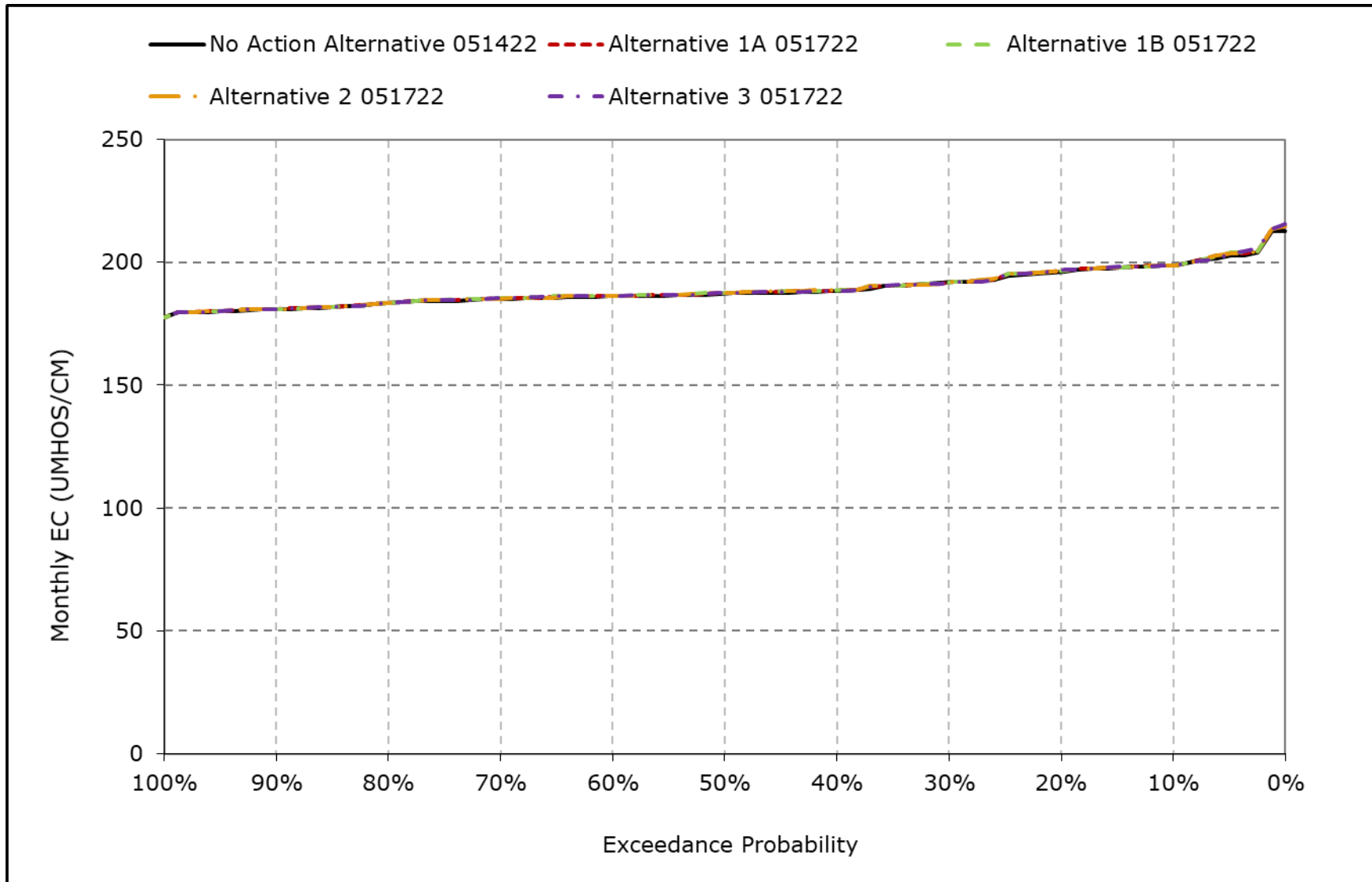
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-2-7. Cache Slough at Ryer Island Salinity, January EC**



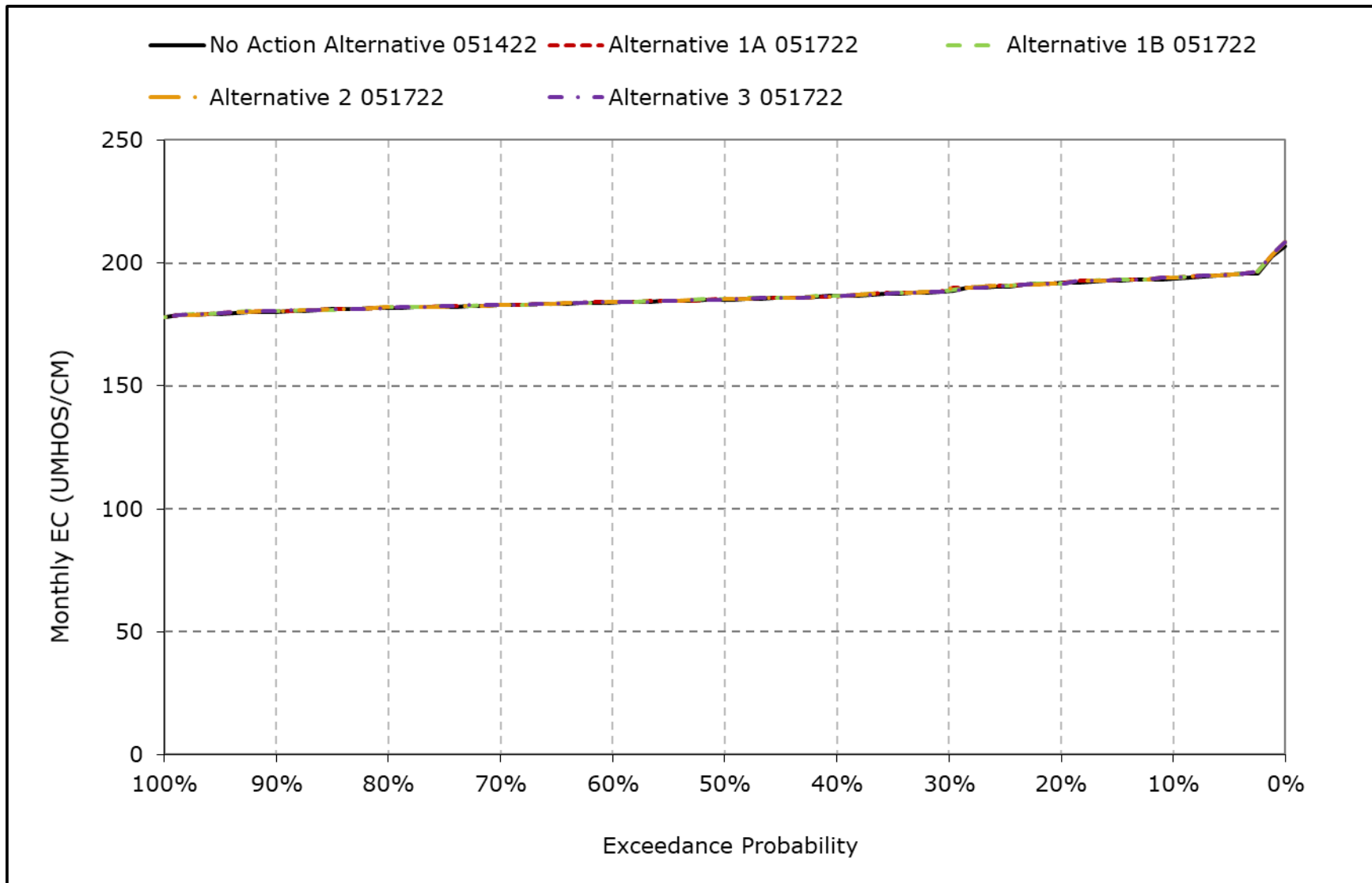
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-2-8. Cache Slough at Ryer Island Salinity, February EC**



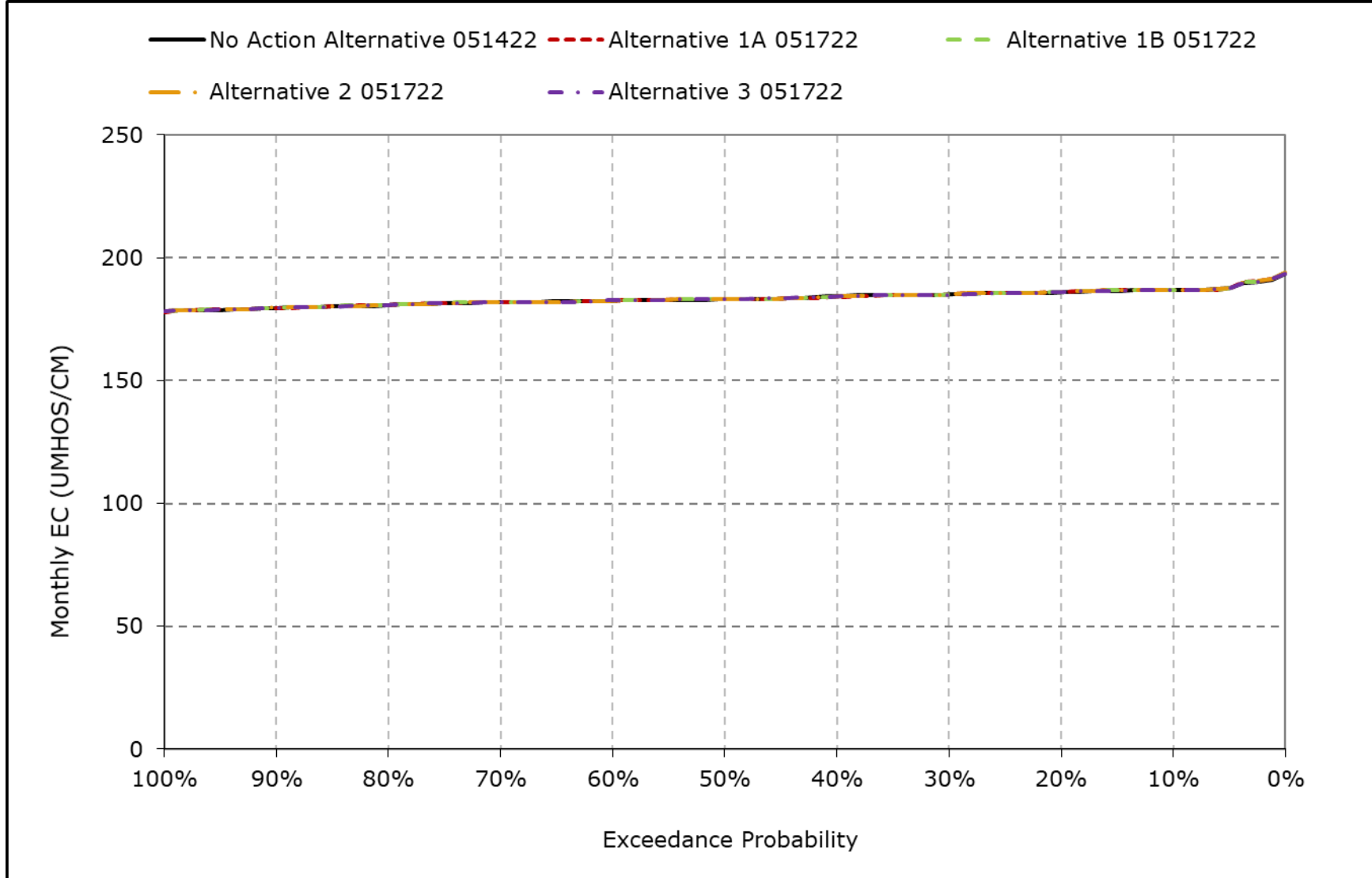
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-2-9. Cache Slough at Ryer Island Salinity, March EC**



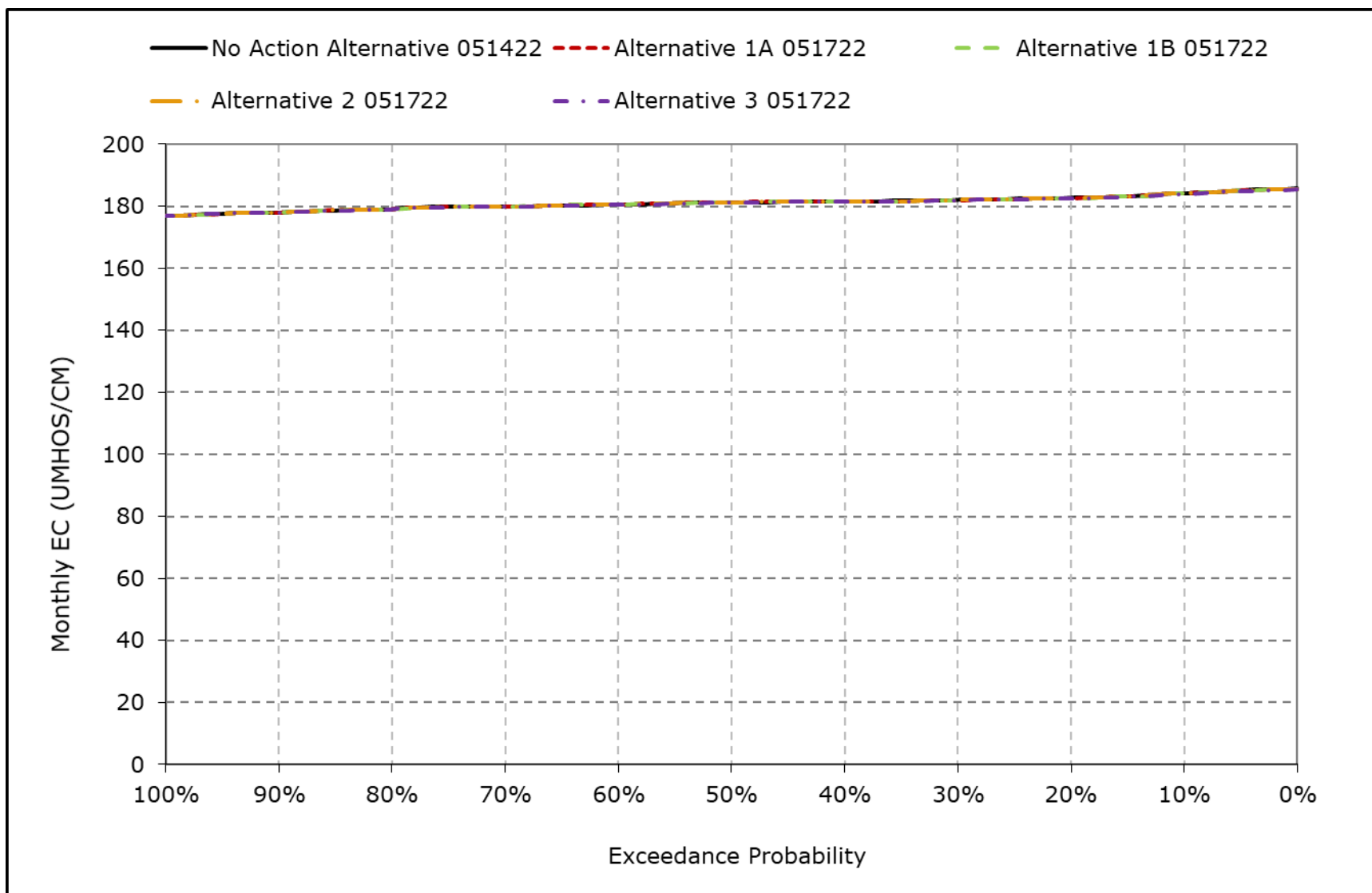
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-2-10. Cache Slough at Ryer Island Salinity, April EC**



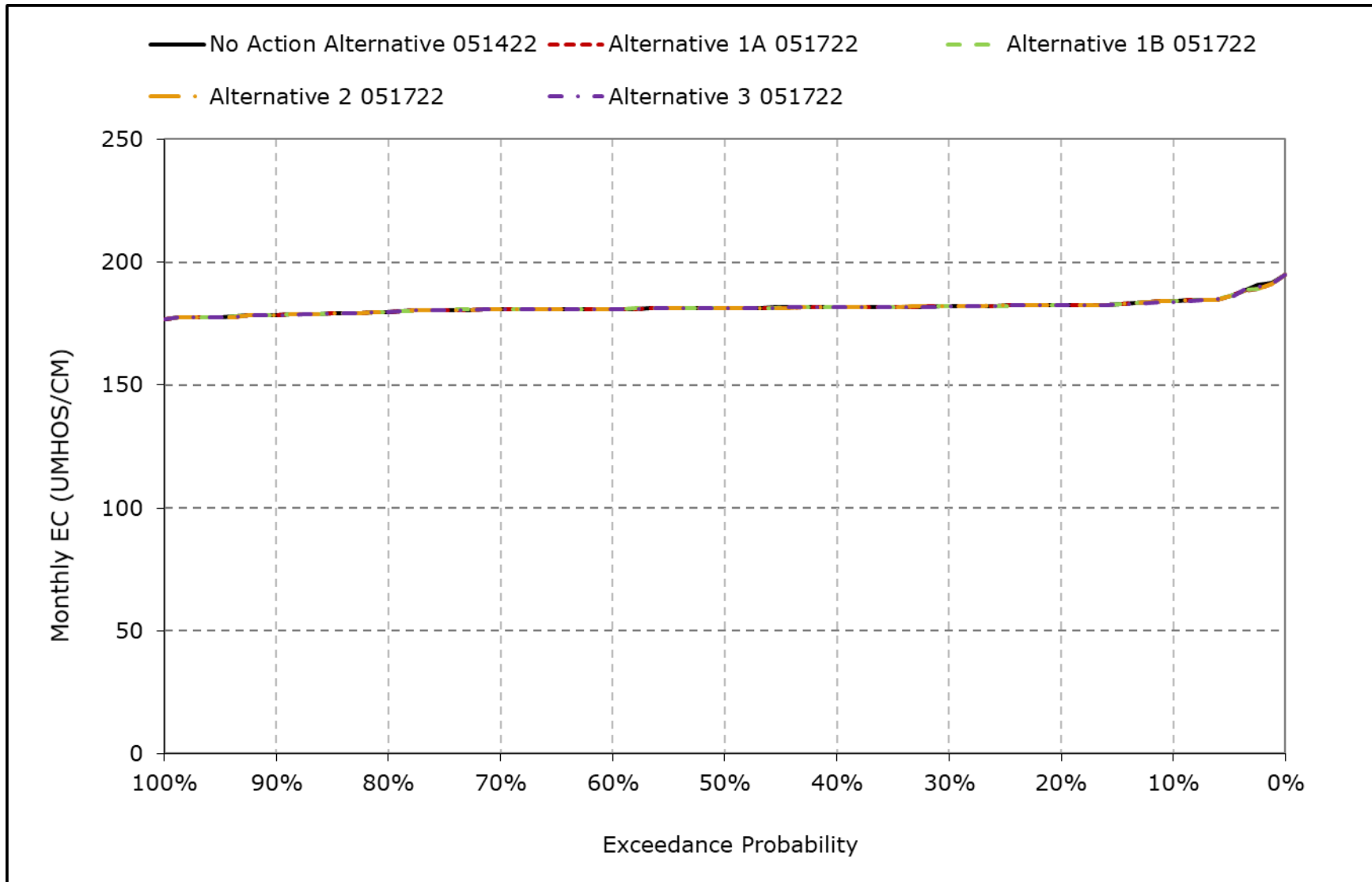
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-2-11. Cache Slough at Ryer Island Salinity, May EC**



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

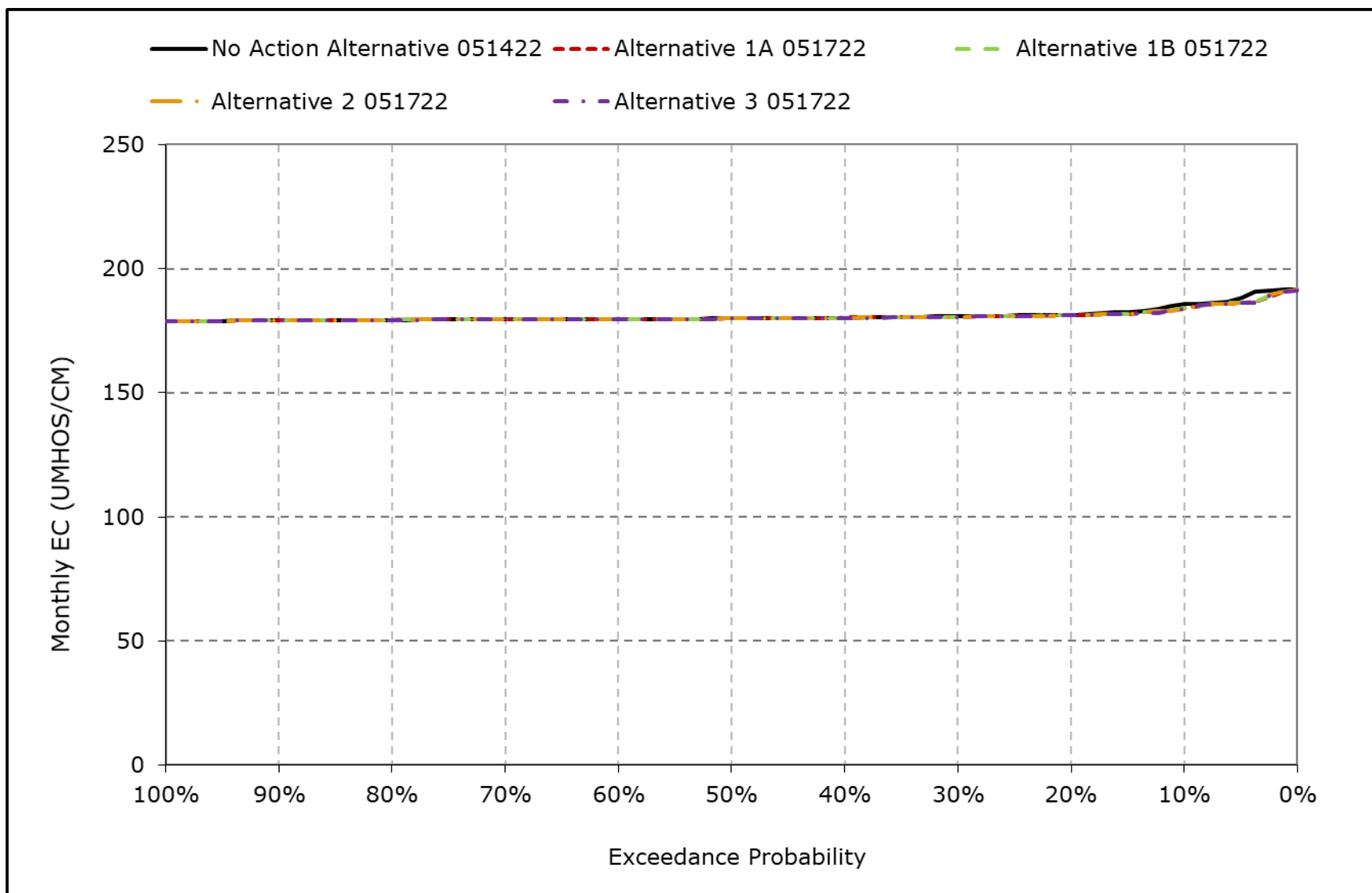
**Figure 6B1-2-12. Cache Slough at Ryer Island Salinity, June EC**



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

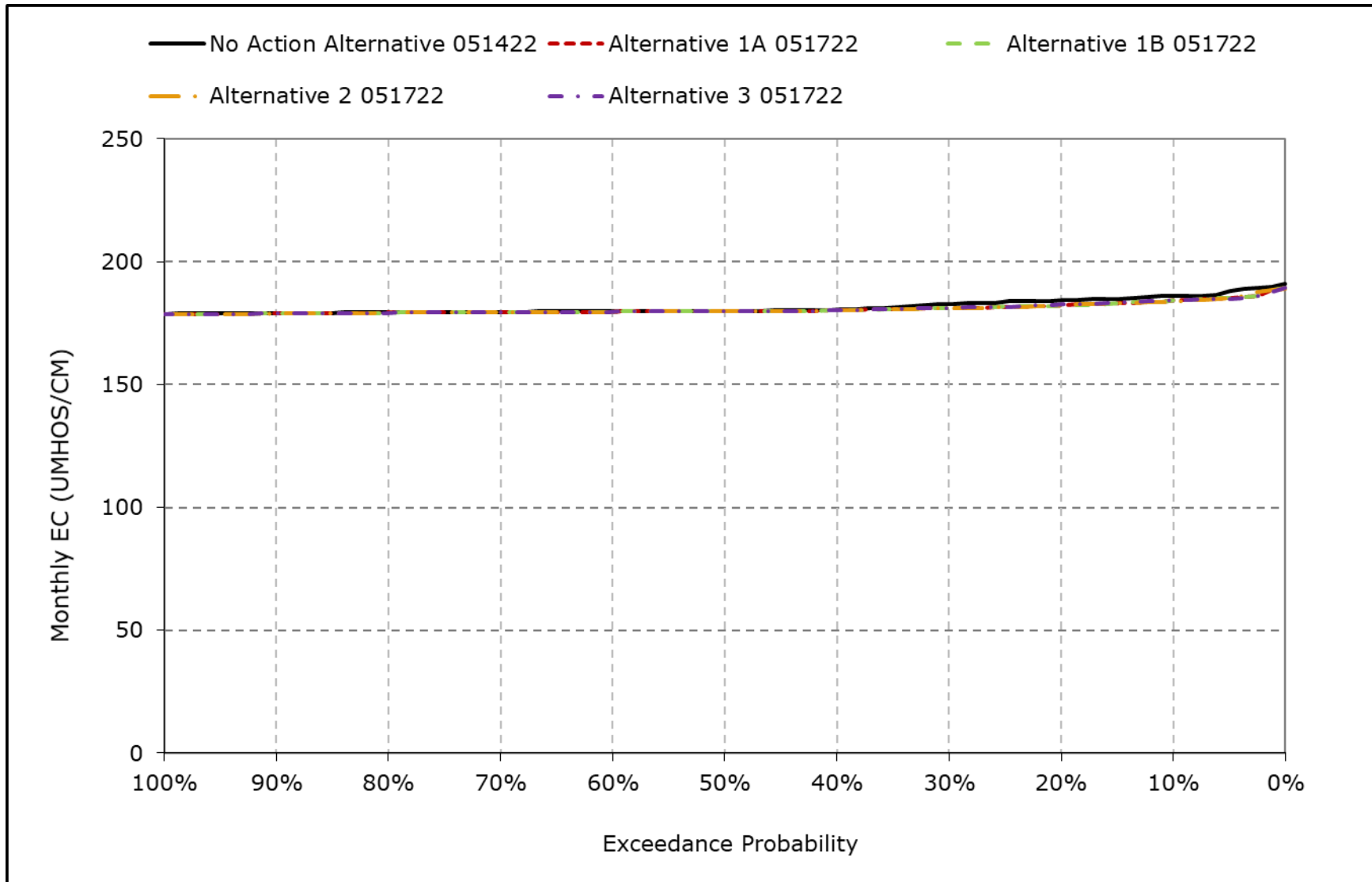


**Figure 6B1-2-13. Cache Slough at Ryer Island Salinity, July EC**



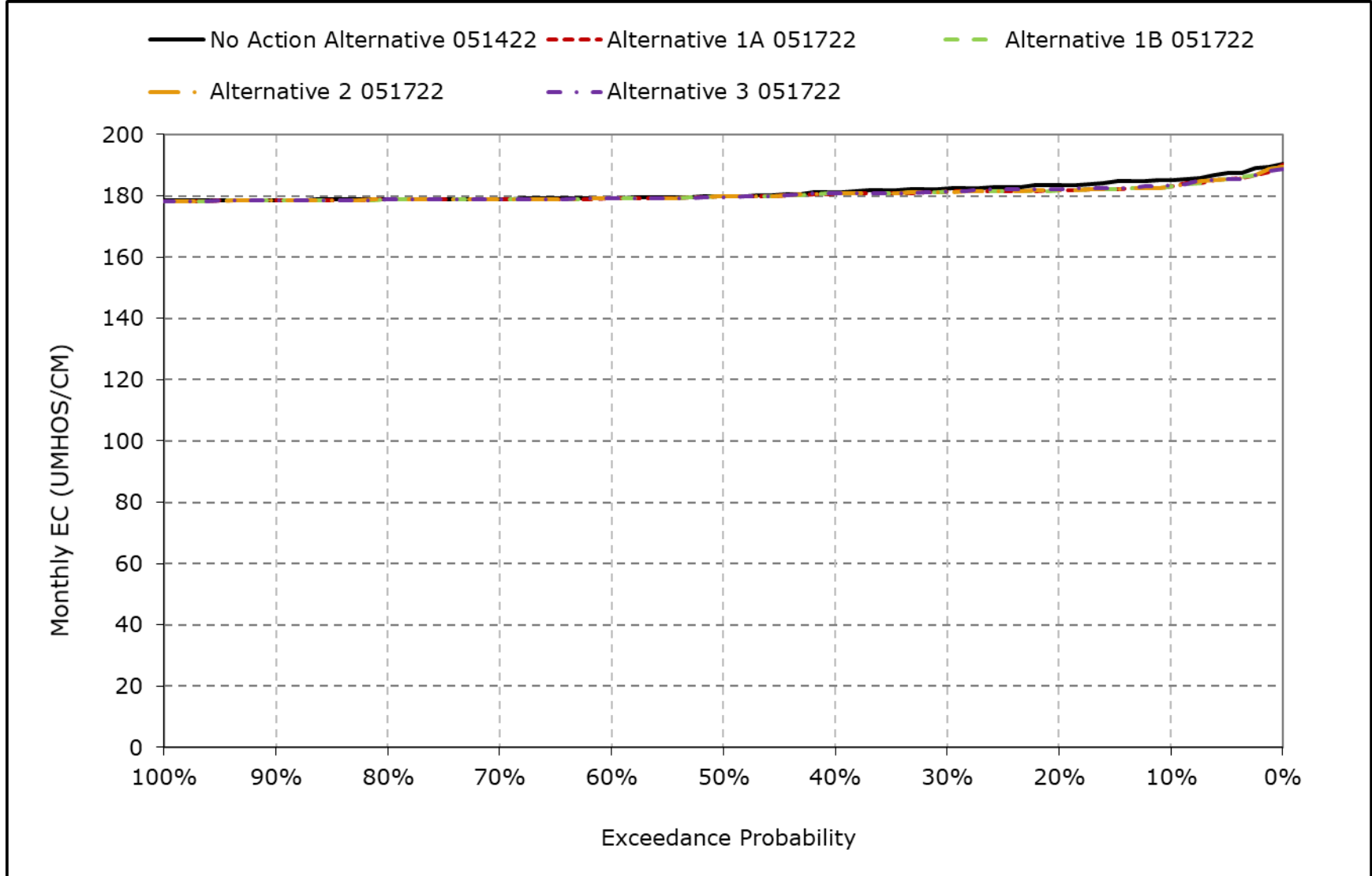
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-2-14. Cache Slough at Ryer Island Salinity, August EC**



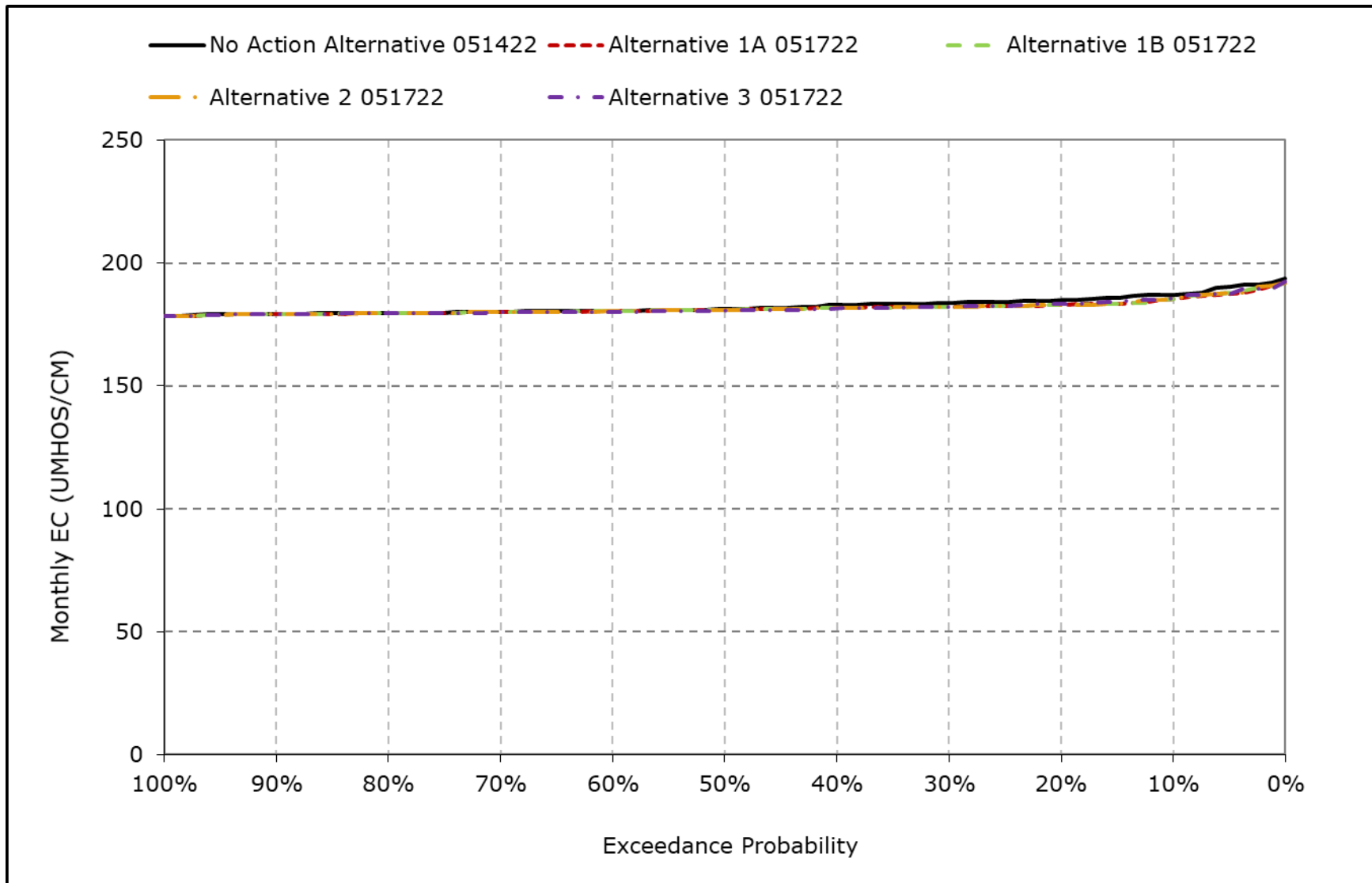
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-2-15. Cache Slough at Ryer Island Salinity, September EC**



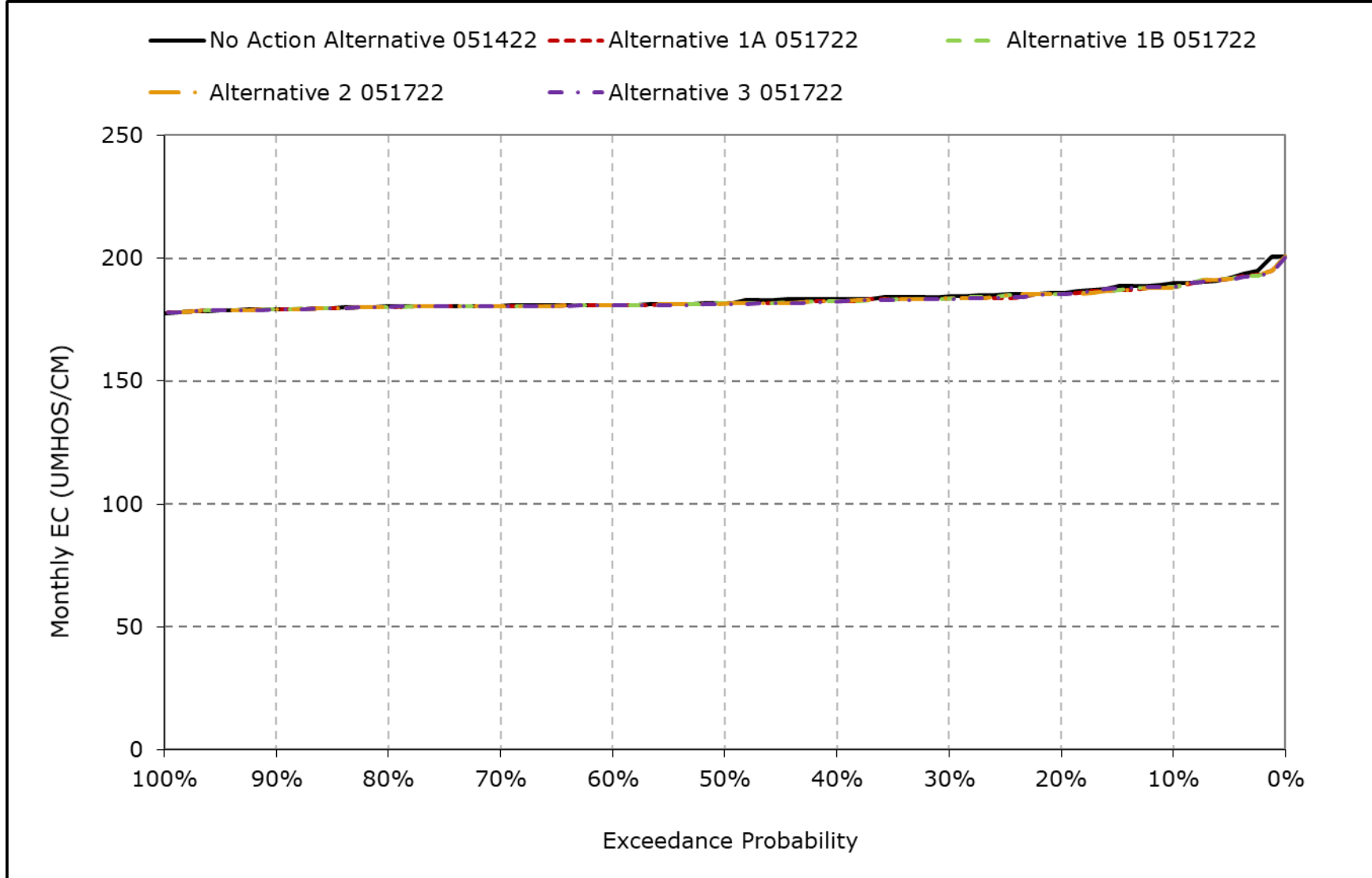
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-2-16. Cache Slough at Ryer Island Salinity, October EC**



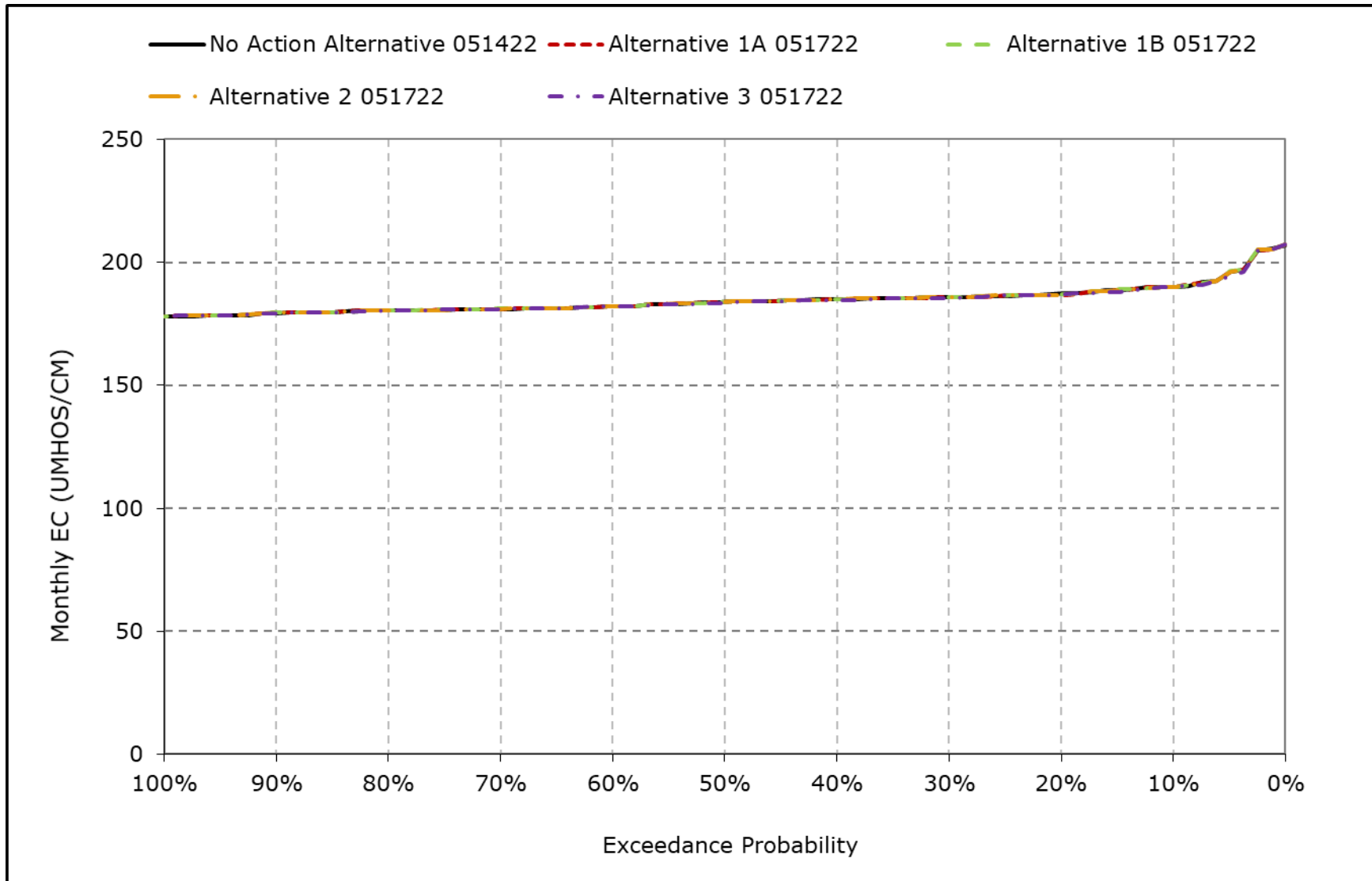
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-2-17. Cache Slough at Ryer Island Salinity, November EC**



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

**Figure 6B1-2-18. Cache Slough at Ryer Island Salinity, December EC**



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

**Table 6B1-3-1a. Sacramento River downstream of Georgiana Slough, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	177	178	181	179	177	176	176	176	176	176	176
20% Exceedance	176	176	177	180	178	177	176	176	176	176	176	176
30% Exceedance	176	176	177	179	177	176	176	176	176	176	176	176
40% Exceedance	176	176	177	179	177	176	176	176	176	176	176	176
50% Exceedance	176	176	176	178	177	176	176	176	176	175	176	176
60% Exceedance	176	176	176	178	177	176	176	176	176	175	176	175
70% Exceedance	176	176	176	178	176	176	176	175	176	175	176	175
80% Exceedance	175	175	176	177	176	176	175	175	176	175	176	175
90% Exceedance	175	175	175	177	176	175	175	175	175	175	176	175
<b>Full Simulation Period Average<sup>a</sup></b>	176	176	177	179	177	176	176	176	176	176	176	176
<b>Wet Water Years (32%)</b>	176	176	176	178	177	176	176	175	176	176	176	175
<b>Above Normal Years (15%)</b>	176	176	177	179	177	176	176	175	176	175	176	175
<b>Below Normal Years (17%)</b>	176	176	176	179	177	176	176	176	176	175	176	176
<b>Dry Water Years (22%)</b>	176	176	176	179	177	176	176	176	176	176	176	176
<b>Critical Water Years (15%)</b>	176	176	178	179	177	177	176	176	176	176	176	176

**Table 6B1-3-1b. Sacramento River downstream of Georgiana Slough, Alternative 1A 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	177	179	181	179	177	176	176	176	176	176	176
20% Exceedance	176	176	177	180	178	177	176	176	176	176	176	176
30% Exceedance	176	176	177	179	178	176	176	176	176	176	176	176
40% Exceedance	176	176	177	179	177	176	176	176	176	176	176	176
50% Exceedance	176	176	176	178	177	176	176	176	176	175	176	176
60% Exceedance	176	176	176	178	177	176	176	176	176	175	176	175
70% Exceedance	176	176	176	178	176	176	176	175	176	175	176	175
80% Exceedance	175	175	176	177	176	176	175	175	176	175	176	175
90% Exceedance	175	175	175	177	176	175	175	175	175	175	176	175
<b>Full Simulation Period Average<sup>a</sup></b>	176	176	177	179	177	176	176	176	176	176	176	176
<b>Wet Water Years (32%)</b>	176	176	176	178	177	176	176	175	176	176	176	175
<b>Above Normal Years (15%)</b>	176	176	177	179	177	176	176	175	176	175	176	175
<b>Below Normal Years (17%)</b>	176	176	176	179	177	176	176	176	176	175	176	176
<b>Dry Water Years (22%)</b>	176	176	176	179	177	176	176	176	176	176	176	176
<b>Critical Water Years (15%)</b>	176	176	178	179	177	177	176	176	176	176	176	176

**Table 6B1-3-1c. Sacramento River downstream of Georgiana Slough, Alternative 1A 051722 minus No Action Alternative 051422, 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
<b>Full Simulation Period Average<sup>a</sup></b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Wet Water Years (32%)</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Above Normal Years (15%)</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Below Normal Years (17%)</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Dry Water Years (22%)</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Critical Water Years (15%)</b>	0	0	0	0	0	0	0	0	0	0	0	0

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-3-2a. Sacramento River downstream of Georgiana Slough, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	177	178	181	179	177	176	176	176	176	176	176
20% Exceedance	176	176	177	180	178	177	176	176	176	176	176	176
30% Exceedance	176	176	177	179	177	176	176	176	176	176	176	176
40% Exceedance	176	176	177	179	177	176	176	176	176	176	176	176
50% Exceedance	176	176	176	178	177	176	176	176	176	175	176	176
60% Exceedance	176	176	176	178	177	176	176	176	176	175	176	175
70% Exceedance	176	176	176	178	176	176	176	175	176	175	176	175
80% Exceedance	175	175	176	177	176	176	175	175	176	175	176	175
90% Exceedance	175	175	175	177	176	175	175	175	175	175	176	175
<b>Full Simulation Period Average<sup>a</sup></b>	176	176	177	179	177	176	176	176	176	176	176	176
<b>Wet Water Years (32%)</b>	176	176	176	178	177	176	176	175	176	176	176	175
<b>Above Normal Years (15%)</b>	176	176	177	179	177	176	176	175	176	175	176	175
<b>Below Normal Years (17%)</b>	176	176	176	179	177	176	176	176	176	175	176	176
<b>Dry Water Years (22%)</b>	176	176	176	179	177	176	176	176	176	176	176	176
<b>Critical Water Years (15%)</b>	176	176	178	179	177	177	176	176	176	176	176	176

**Table 6B1-3-2b. Sacramento River downstream of Georgiana Slough, Alternative 1B 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	177	179	181	179	177	176	176	176	176	176	176
20% Exceedance	176	176	177	180	178	177	176	176	176	176	176	176
30% Exceedance	176	176	177	179	178	176	176	176	176	176	176	176
40% Exceedance	176	176	177	179	177	176	176	176	176	176	176	176
50% Exceedance	176	176	176	178	177	176	176	176	176	175	176	176
60% Exceedance	176	176	176	178	177	176	176	176	176	175	176	175
70% Exceedance	176	176	176	178	176	176	176	175	176	175	176	175
80% Exceedance	175	175	176	177	176	176	175	175	176	175	176	175
90% Exceedance	175	175	175	177	176	175	175	175	175	175	176	175
<b>Full Simulation Period Average<sup>a</sup></b>	176	176	177	179	177	176	176	176	176	176	176	176
<b>Wet Water Years (32%)</b>	176	176	176	178	177	176	176	175	176	176	176	175
<b>Above Normal Years (15%)</b>	176	176	177	179	177	176	176	175	176	175	176	175
<b>Below Normal Years (17%)</b>	176	176	176	179	177	176	176	176	176	175	176	176
<b>Dry Water Years (22%)</b>	176	176	176	179	177	176	176	176	176	176	176	176
<b>Critical Water Years (15%)</b>	176	176	178	179	177	177	176	176	176	176	176	176

**Table 6B1-3-2c. Sacramento River downstream of Georgiana Slough, Alternative 1B 051722 minus No Action Alternative 051422, 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
<b>Full Simulation Period Average<sup>a</sup></b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Wet Water Years (32%)</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Above Normal Years (15%)</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Below Normal Years (17%)</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Dry Water Years (22%)</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Critical Water Years (15%)</b>	0	0	0	0	0	0	0	0	0	0	0	0

<sup>a</sup> Based on the 82-year simulation period.

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

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

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



**Table 6B1-3-3a. Sacramento River downstream of Georgiana Slough, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	177	178	181	179	177	176	176	176	176	176	176
20% Exceedance	176	176	177	180	178	177	176	176	176	176	176	176
30% Exceedance	176	176	177	179	177	176	176	176	176	176	176	176
40% Exceedance	176	176	177	179	177	176	176	176	176	176	176	176
50% Exceedance	176	176	176	178	177	176	176	176	176	175	176	176
60% Exceedance	176	176	176	178	177	176	176	176	176	175	176	175
70% Exceedance	176	176	176	178	176	176	176	175	176	175	176	175
80% Exceedance	175	175	176	177	176	176	175	175	176	175	176	175
90% Exceedance	175	175	175	177	176	175	175	175	175	175	176	175
<b>Full Simulation Period Average<sup>a</sup></b>	176	176	177	179	177	176	176	176	176	176	176	176
<b>Wet Water Years (32%)</b>	176	176	176	178	177	176	176	175	176	176	176	175
<b>Above Normal Years (15%)</b>	176	176	177	179	177	176	176	175	176	175	176	175
<b>Below Normal Years (17%)</b>	176	176	176	179	177	176	176	176	176	175	176	176
<b>Dry Water Years (22%)</b>	176	176	176	179	177	176	176	176	176	176	176	176
<b>Critical Water Years (15%)</b>	176	176	178	179	177	177	176	176	176	176	176	176

**Table 6B1-3-3b. Sacramento River downstream of Georgiana Slough, Alternative 2 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	177	179	181	179	177	176	176	176	176	176	176
20% Exceedance	176	176	177	180	178	177	176	176	176	176	176	176
30% Exceedance	176	176	177	179	178	176	176	176	176	176	176	176
40% Exceedance	176	176	177	179	177	176	176	176	176	176	176	176
50% Exceedance	176	176	176	178	177	176	176	176	176	175	176	176
60% Exceedance	176	176	176	178	177	176	176	176	176	175	176	175
70% Exceedance	176	176	176	178	176	176	176	175	176	175	176	175
80% Exceedance	175	175	176	177	176	176	175	175	176	175	176	175
90% Exceedance	175	175	175	177	176	175	175	175	175	175	176	175
<b>Full Simulation Period Average<sup>a</sup></b>	176	176	177	179	177	176	176	176	176	176	176	176
<b>Wet Water Years (32%)</b>	176	176	176	178	177	176	176	175	176	176	176	175
<b>Above Normal Years (15%)</b>	176	176	177	179	177	176	176	175	176	175	176	175
<b>Below Normal Years (17%)</b>	176	176	176	179	177	176	176	176	176	175	176	176
<b>Dry Water Years (22%)</b>	176	176	176	179	177	176	176	176	176	176	176	176
<b>Critical Water Years (15%)</b>	176	176	178	179	177	177	176	176	176	176	176	176

**Table 6B1-3-3c. Sacramento River downstream of Georgiana Slough, Alternative 2 051722 minus No Action Alternative 051422, 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
<b>Full Simulation Period Average<sup>a</sup></b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Wet Water Years (32%)</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Above Normal Years (15%)</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Below Normal Years (17%)</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Dry Water Years (22%)</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Critical Water Years (15%)</b>	0	0	0	0	0	0	0	0	0	0	0	0

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-3-4a. Sacramento River downstream of Georgiana Slough, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	177	178	181	179	177	176	176	176	176	176	176
20% Exceedance	176	176	177	180	178	177	176	176	176	176	176	176
30% Exceedance	176	176	177	179	177	176	176	176	176	176	176	176
40% Exceedance	176	176	177	179	177	176	176	176	176	176	176	176
50% Exceedance	176	176	176	178	177	176	176	176	176	175	176	176
60% Exceedance	176	176	176	178	177	176	176	176	176	175	176	175
70% Exceedance	176	176	176	178	176	176	176	175	176	175	176	175
80% Exceedance	175	175	176	177	176	176	175	175	176	175	176	175
90% Exceedance	175	175	175	177	176	175	175	175	175	175	176	175
<b>Full Simulation Period Average<sup>a</sup></b>	176	176	177	179	177	176	176	176	176	176	176	176
<b>Wet Water Years (32%)</b>	176	176	176	178	177	176	176	175	176	176	176	175
<b>Above Normal Years (15%)</b>	176	176	177	179	177	176	176	175	176	175	176	175
<b>Below Normal Years (17%)</b>	176	176	176	179	177	176	176	176	176	175	176	176
<b>Dry Water Years (22%)</b>	176	176	176	179	177	176	176	176	176	176	176	176
<b>Critical Water Years (15%)</b>	176	176	178	179	177	177	176	176	176	176	176	176

**Table 6B1-3-4b. Sacramento River downstream of Georgiana Slough, Alternative 3 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	176	177	179	181	179	177	176	176	176	176	176	176
20% Exceedance	176	176	177	180	178	177	176	176	176	176	176	176
30% Exceedance	176	176	177	179	178	176	176	176	176	176	176	176
40% Exceedance	176	176	177	179	177	176	176	176	176	176	176	176
50% Exceedance	176	176	176	178	177	176	176	176	176	175	176	176
60% Exceedance	176	176	176	178	177	176	176	176	176	175	176	175
70% Exceedance	176	176	176	178	176	176	176	175	176	175	176	175
80% Exceedance	175	175	176	177	176	176	175	175	176	175	176	175
90% Exceedance	175	175	175	177	176	176	175	175	175	175	176	175
<b>Full Simulation Period Average<sup>a</sup></b>	176	176	177	179	177	176	176	176	176	176	176	176
<b>Wet Water Years (32%)</b>	176	176	176	178	177	176	176	175	176	176	176	175
<b>Above Normal Years (15%)</b>	176	176	177	179	177	176	176	175	176	175	176	175
<b>Below Normal Years (17%)</b>	176	176	176	179	177	176	176	176	176	175	176	176
<b>Dry Water Years (22%)</b>	176	176	176	179	177	176	176	176	176	176	176	176
<b>Critical Water Years (15%)</b>	176	176	178	179	177	177	176	176	176	176	176	176

**Table 6B1-3-4c. Sacramento River downstream of Georgiana Slough, Alternative 3 051722 minus No Action Alternative 051422, 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
<b>Full Simulation Period Average<sup>a</sup></b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Wet Water Years (32%)</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Above Normal Years (15%)</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Below Normal Years (17%)</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Dry Water Years (22%)</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Critical Water Years (15%)</b>	0	0	0	0	0	0	0	0	0	0	0	0

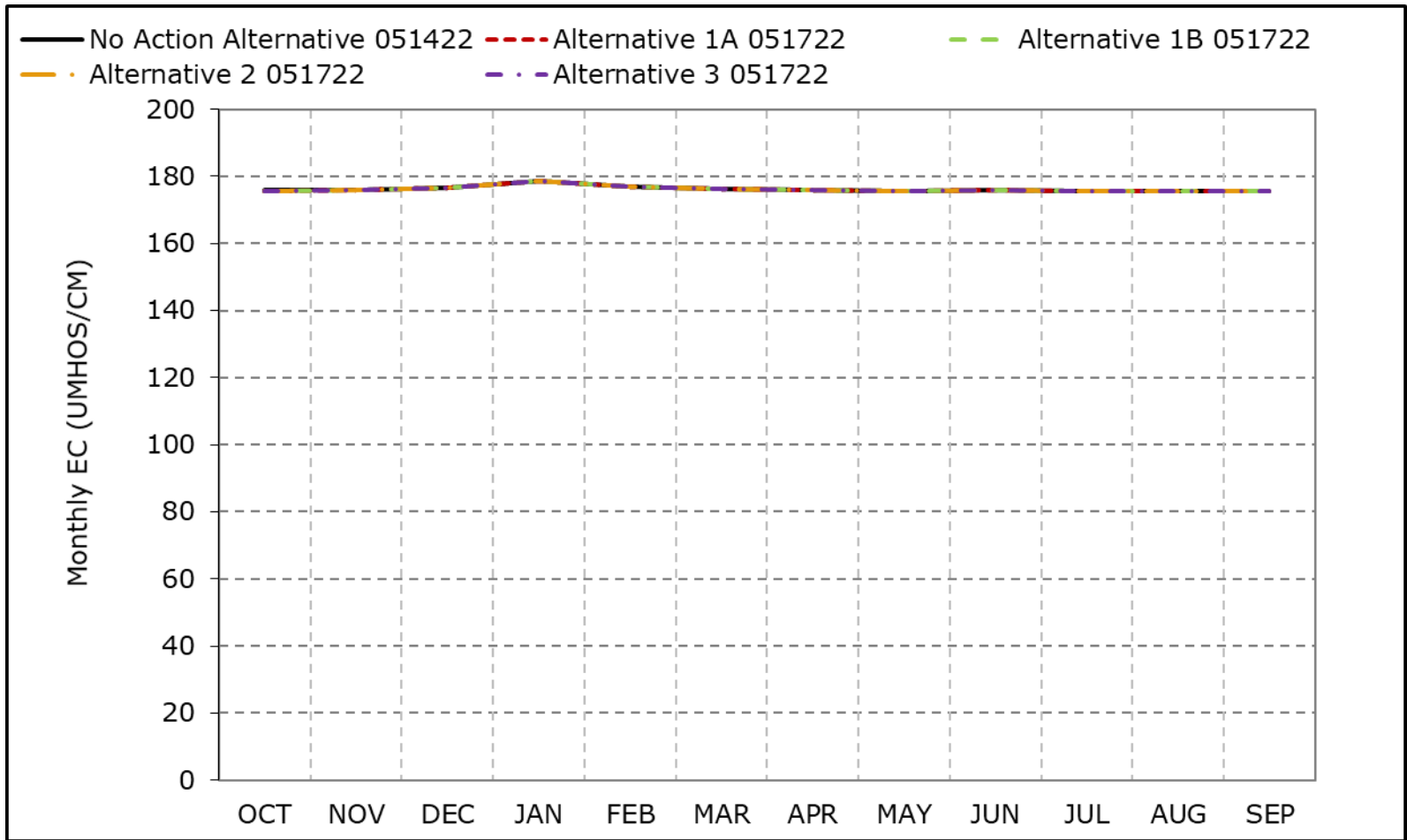
<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Figure 6B1-3-1. Sacramento River downstream of Georgiana Slough, Long-Term Average EC**

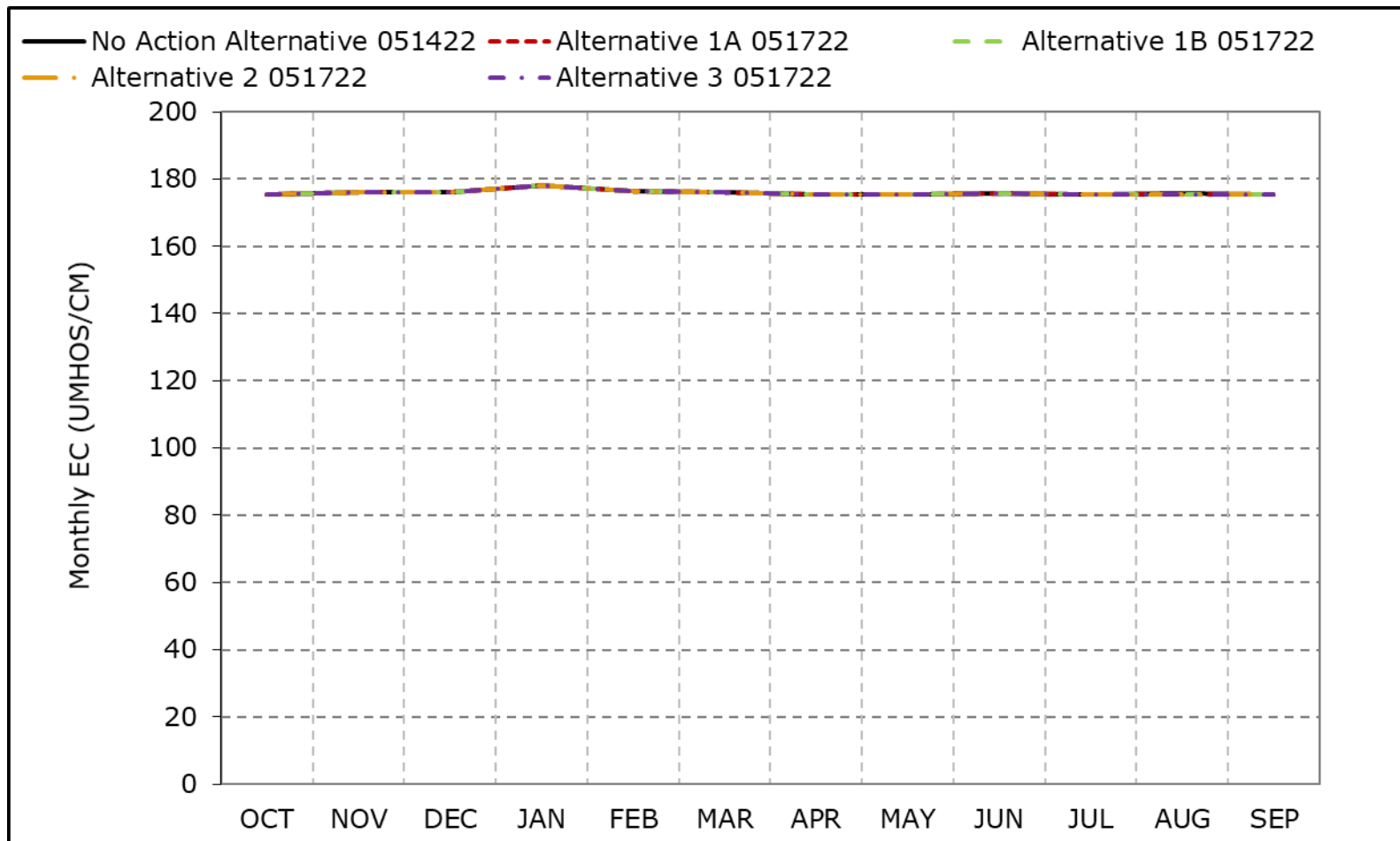


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-3-2. Sacramento River downstream of Georgiana Slough, Wet Year Average EC**

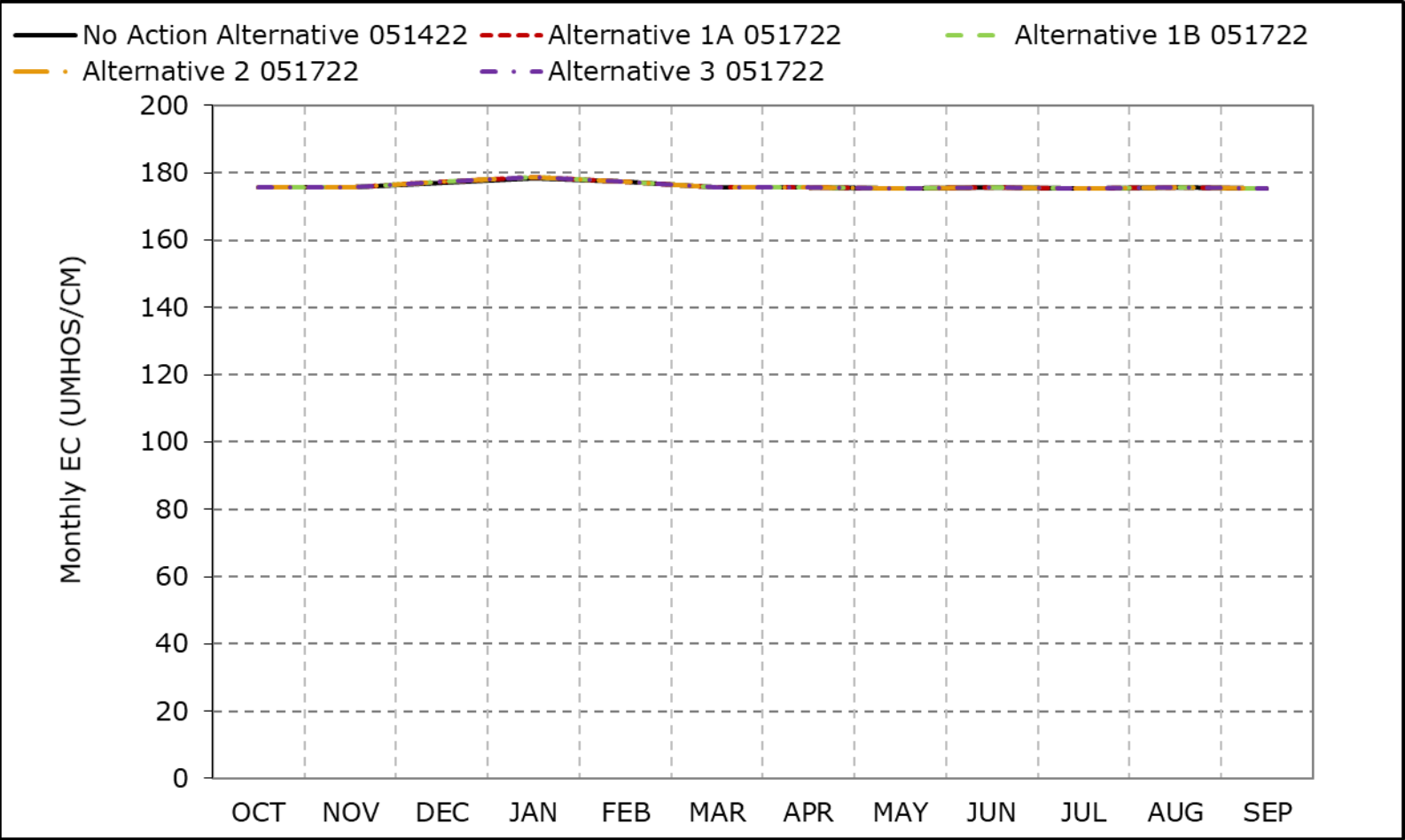


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

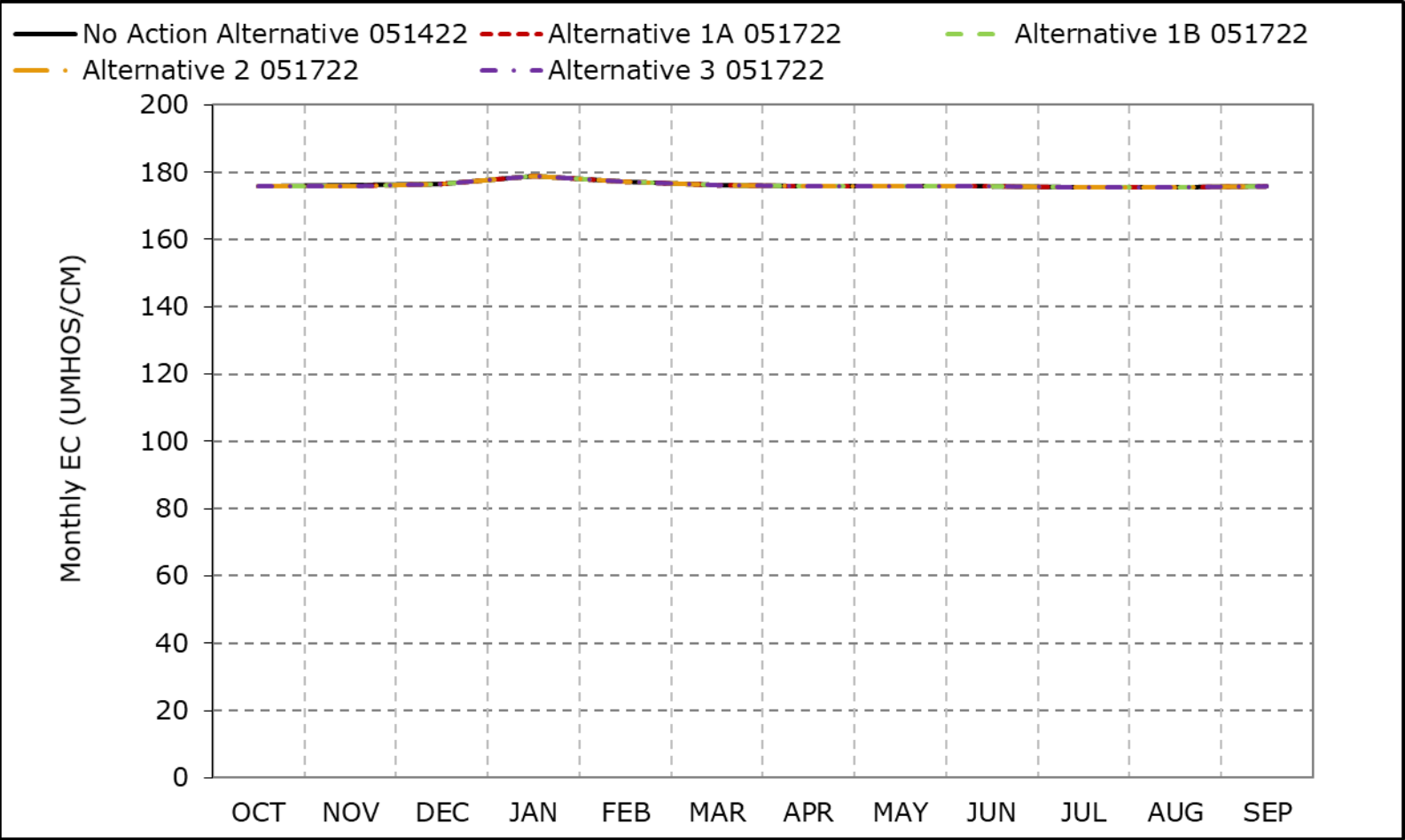
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-3-3. Sacramento River downstream of Georgiana Slough, Above Normal Year Average EC**



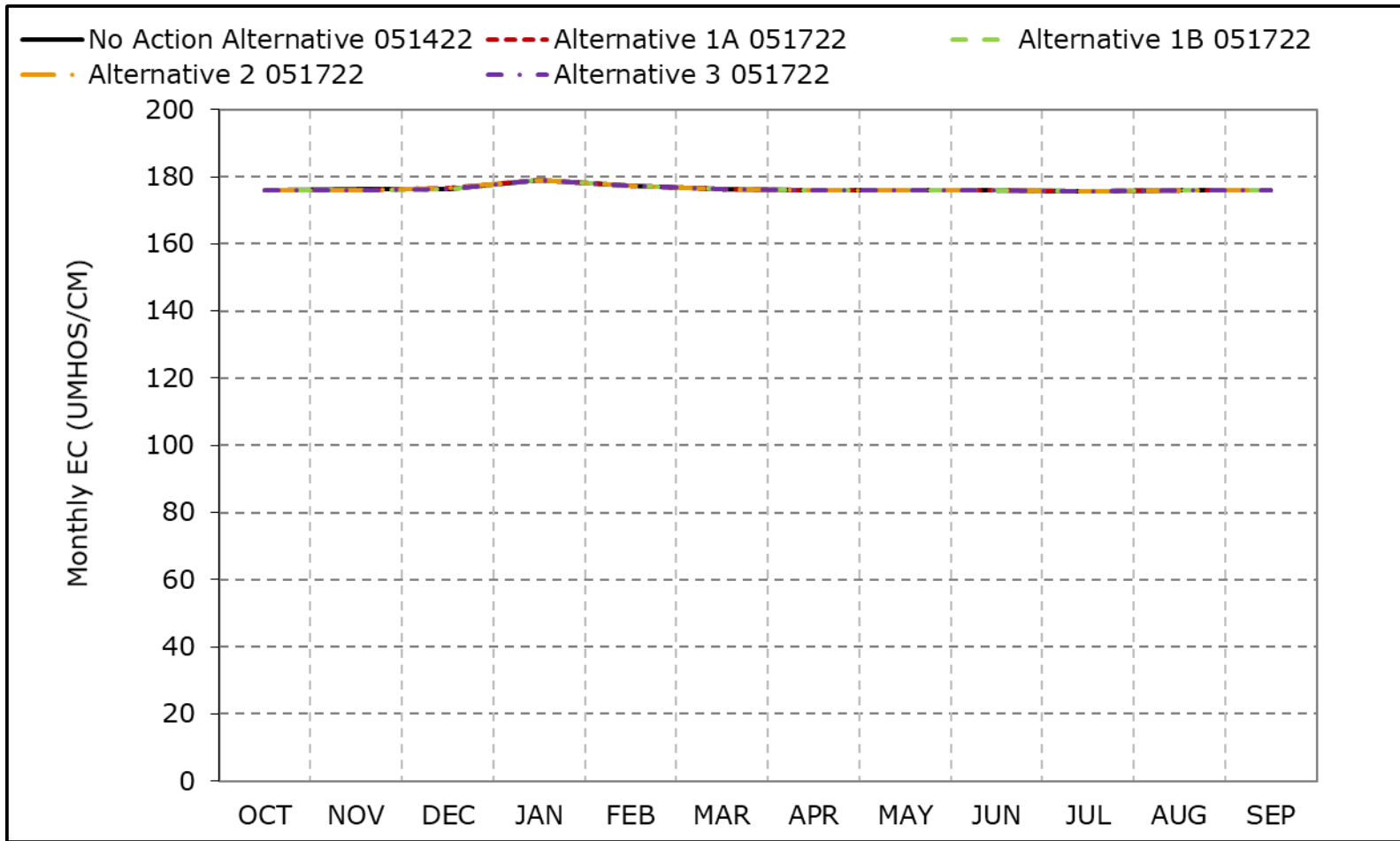
\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).  
 \*These results are displayed with calendar year - year type sorting.  
 \*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-3-4. Sacramento River downstream of Georgiana Slough, Below Normal Year Average EC**



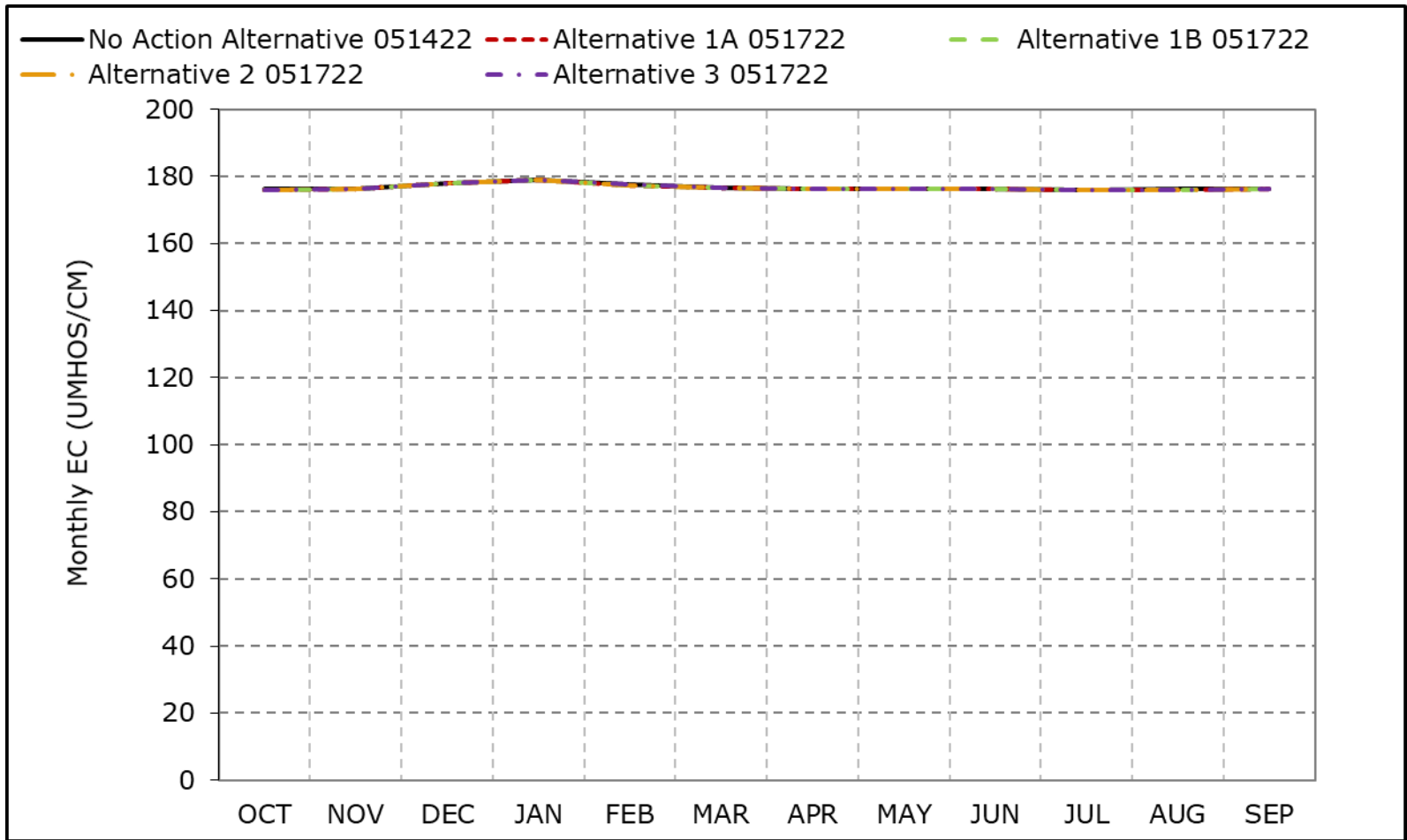
\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).  
 \*These results are displayed with calendar year - year type sorting.  
 \*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-3-5. Sacramento River downstream of Georgiana 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 calendar year - year type sorting.  
 \*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-3-6. Sacramento River downstream of Georgiana Slough, Critical Year Average EC**



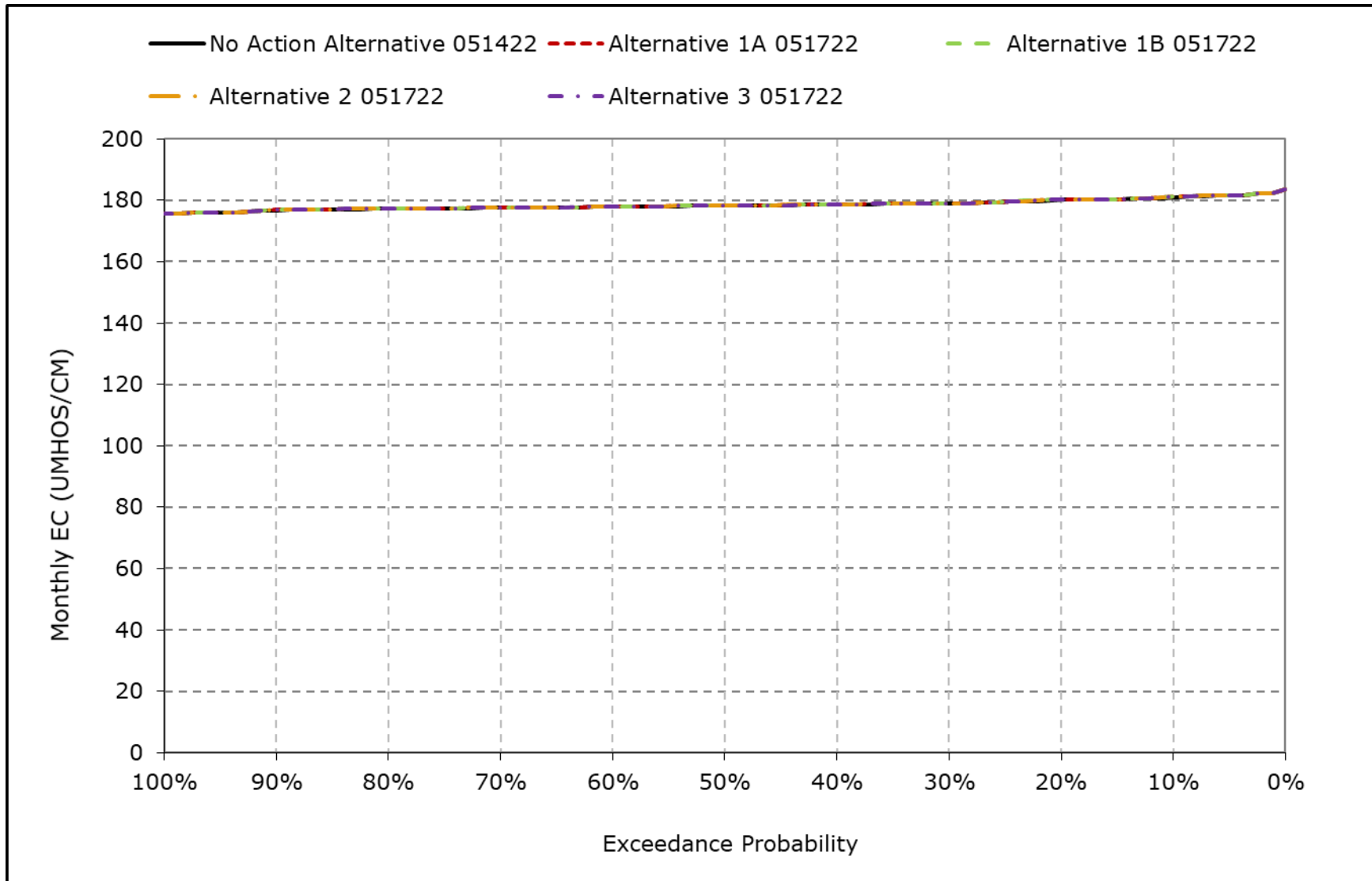
\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

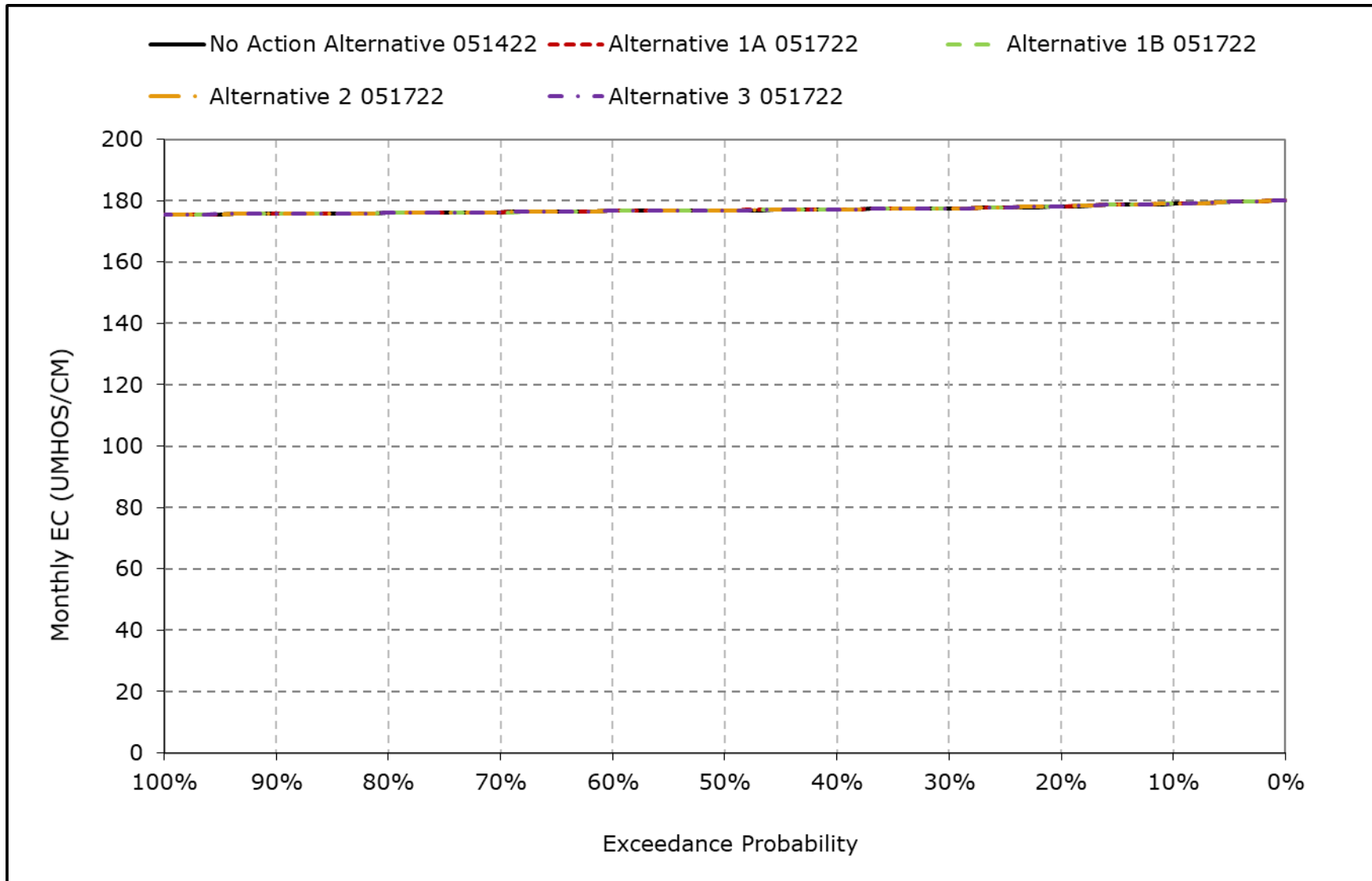


**Figure 6B1-3-7. Sacramento River downstream of Georgiana Slough Salinity, January  
EC**



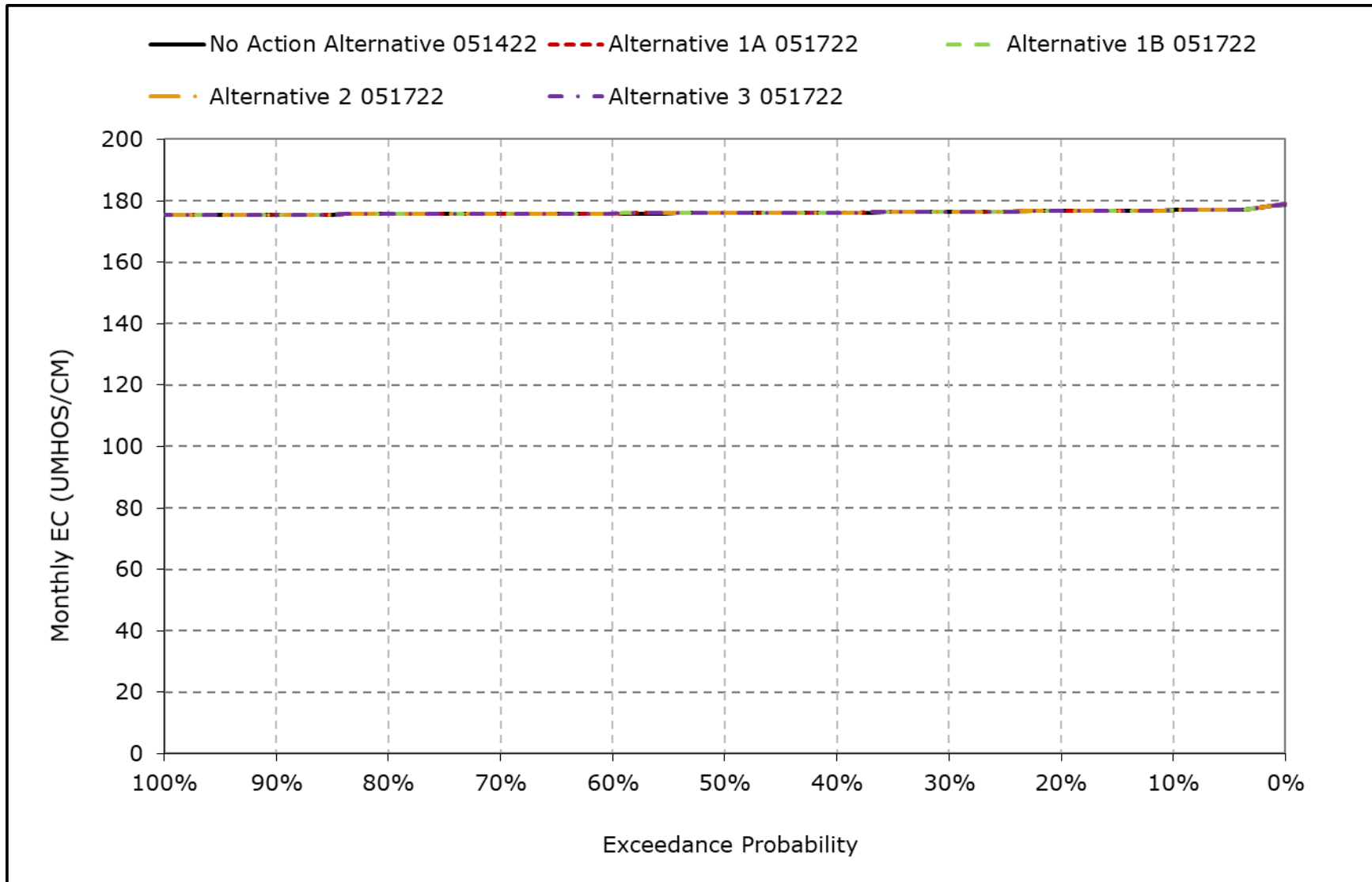
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-3-8. Sacramento River downstream of Georgiana Slough Salinity, February  
EC**



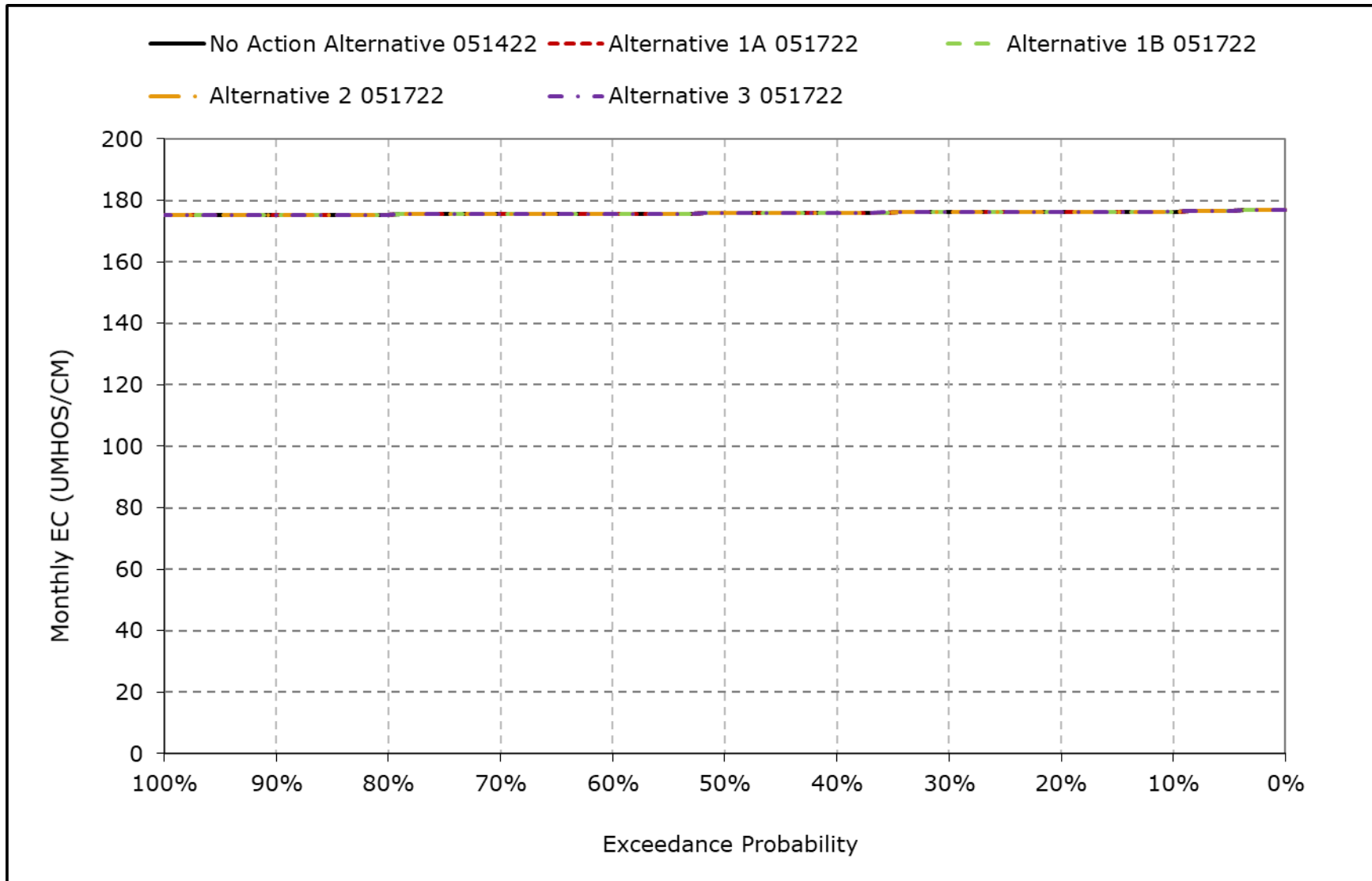
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-3-9. Sacramento River downstream of Georgiana Slough Salinity, March EC**



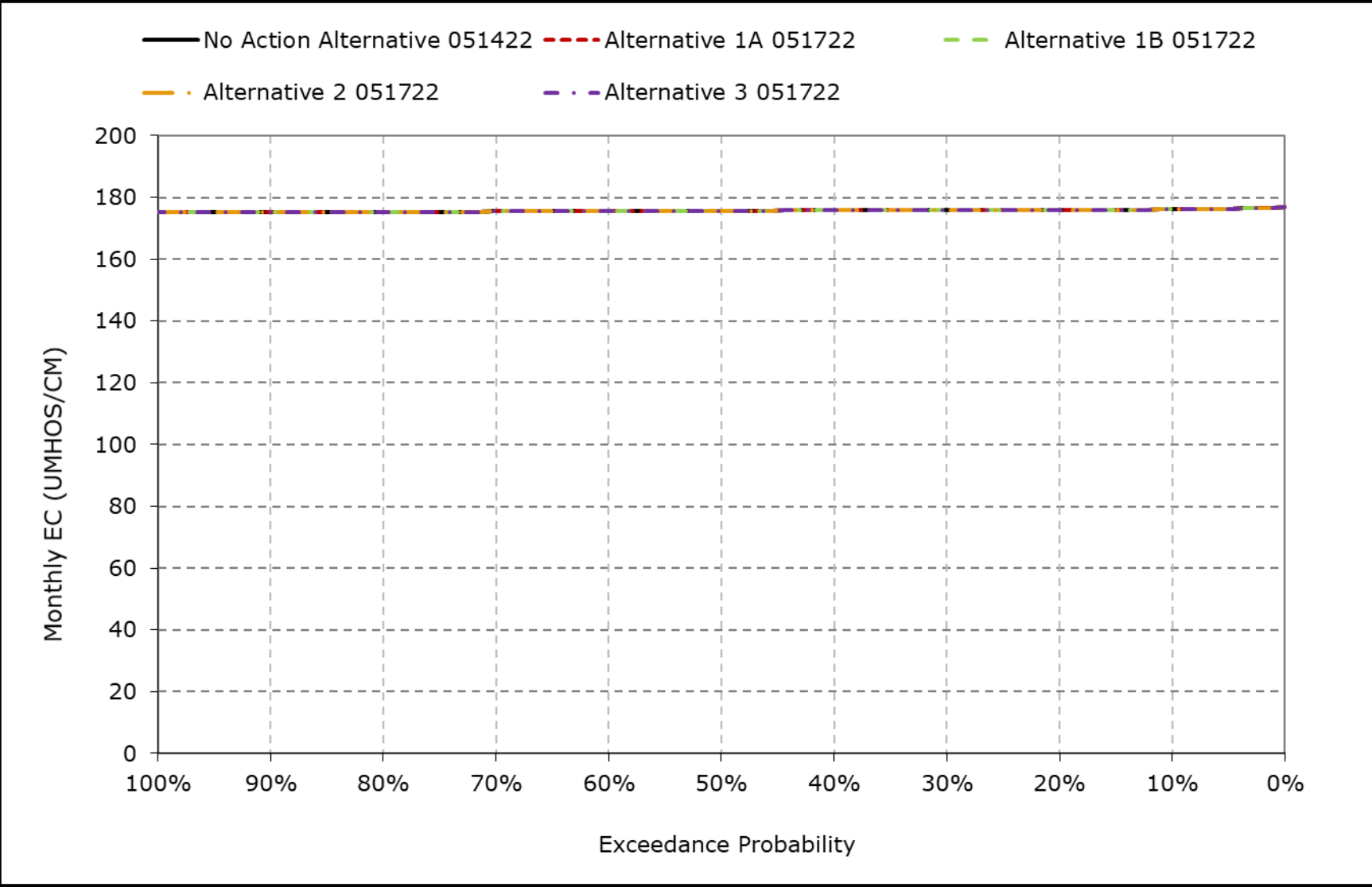
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-3-10. Sacramento River downstream of Georgiana Slough Salinity, April EC**



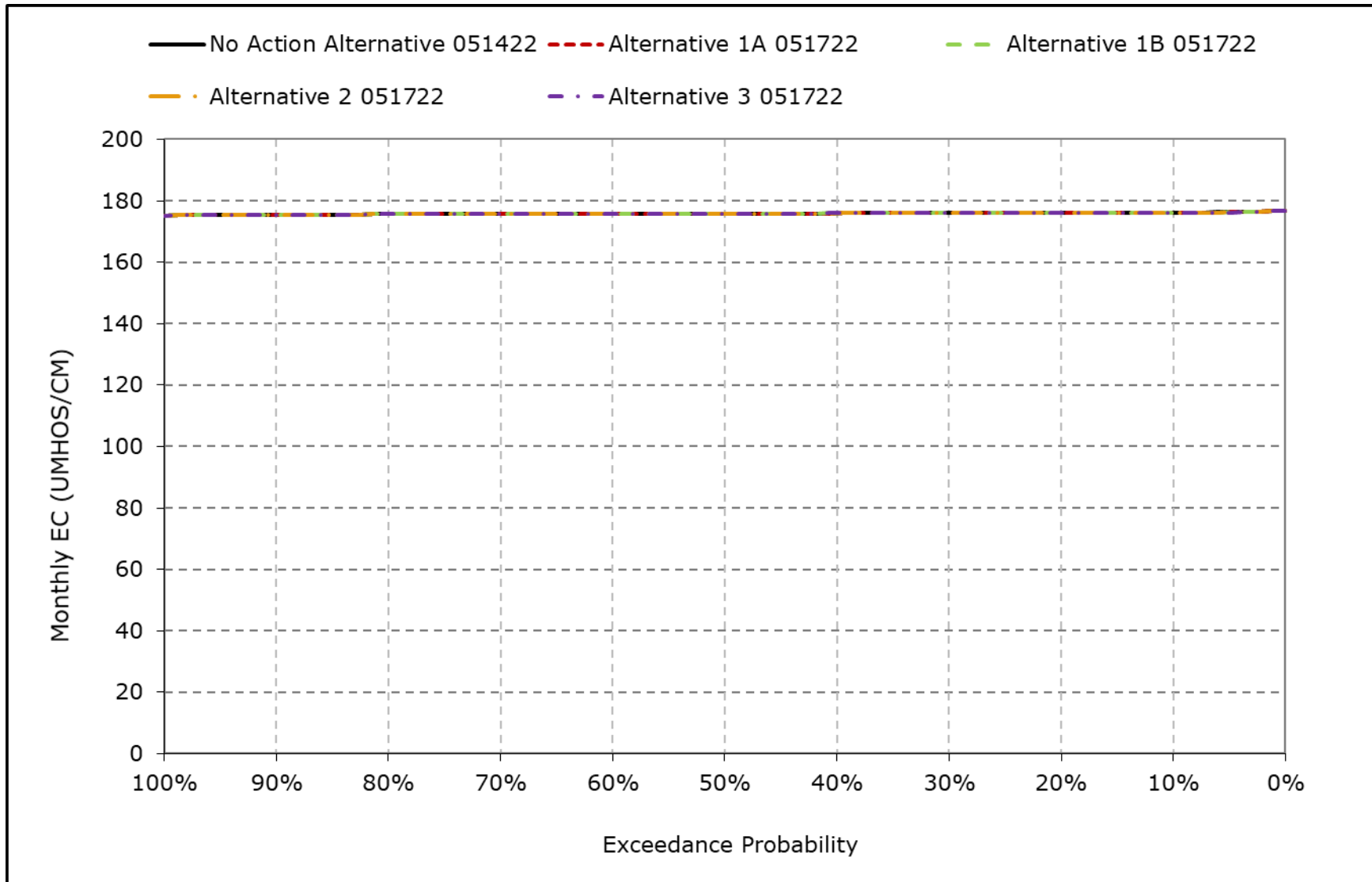
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-3-11. Sacramento River downstream of Georgiana Slough Salinity, May EC**



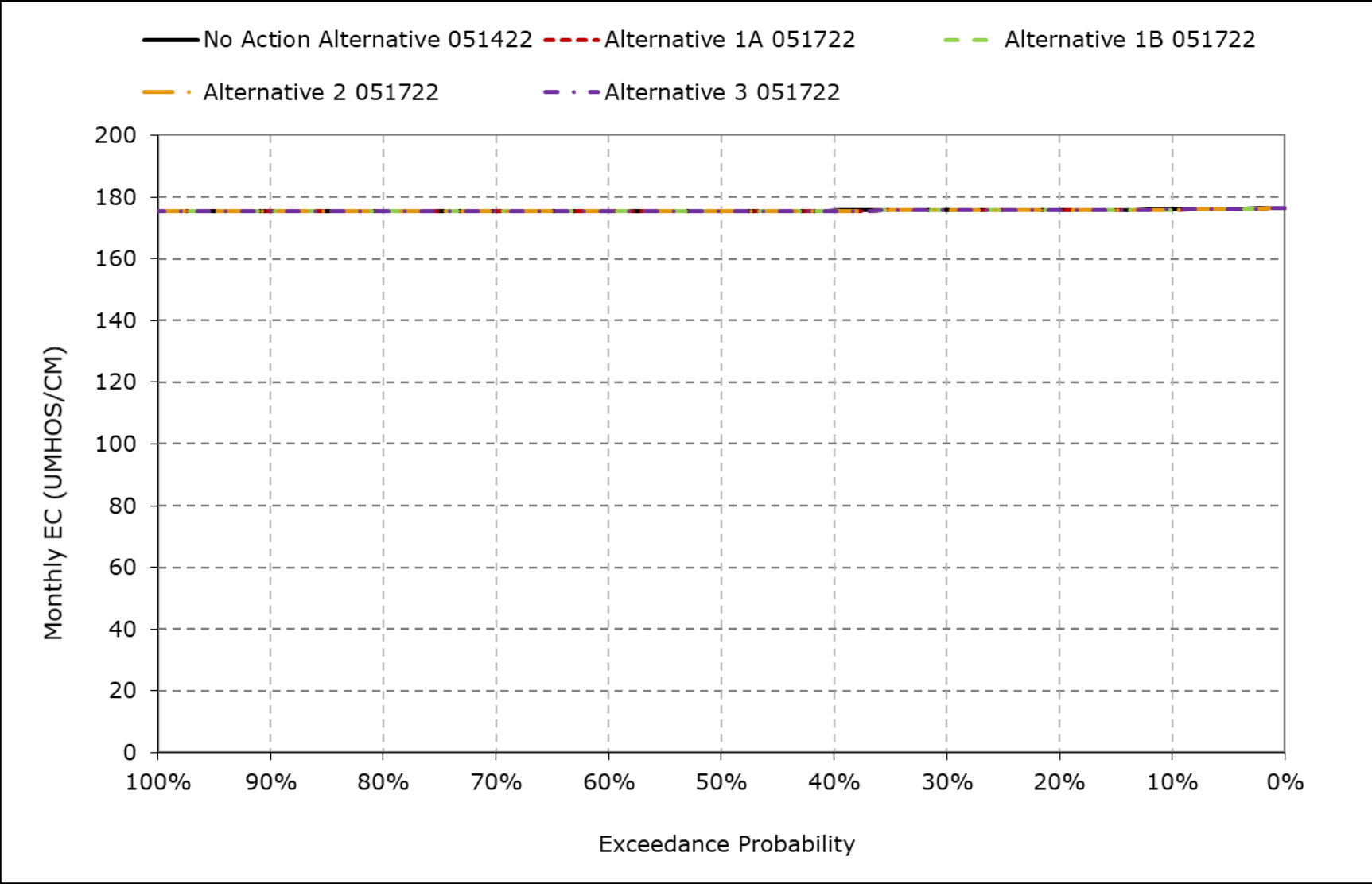
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-3-12. Sacramento River downstream of Georgiana Slough Salinity, June EC**



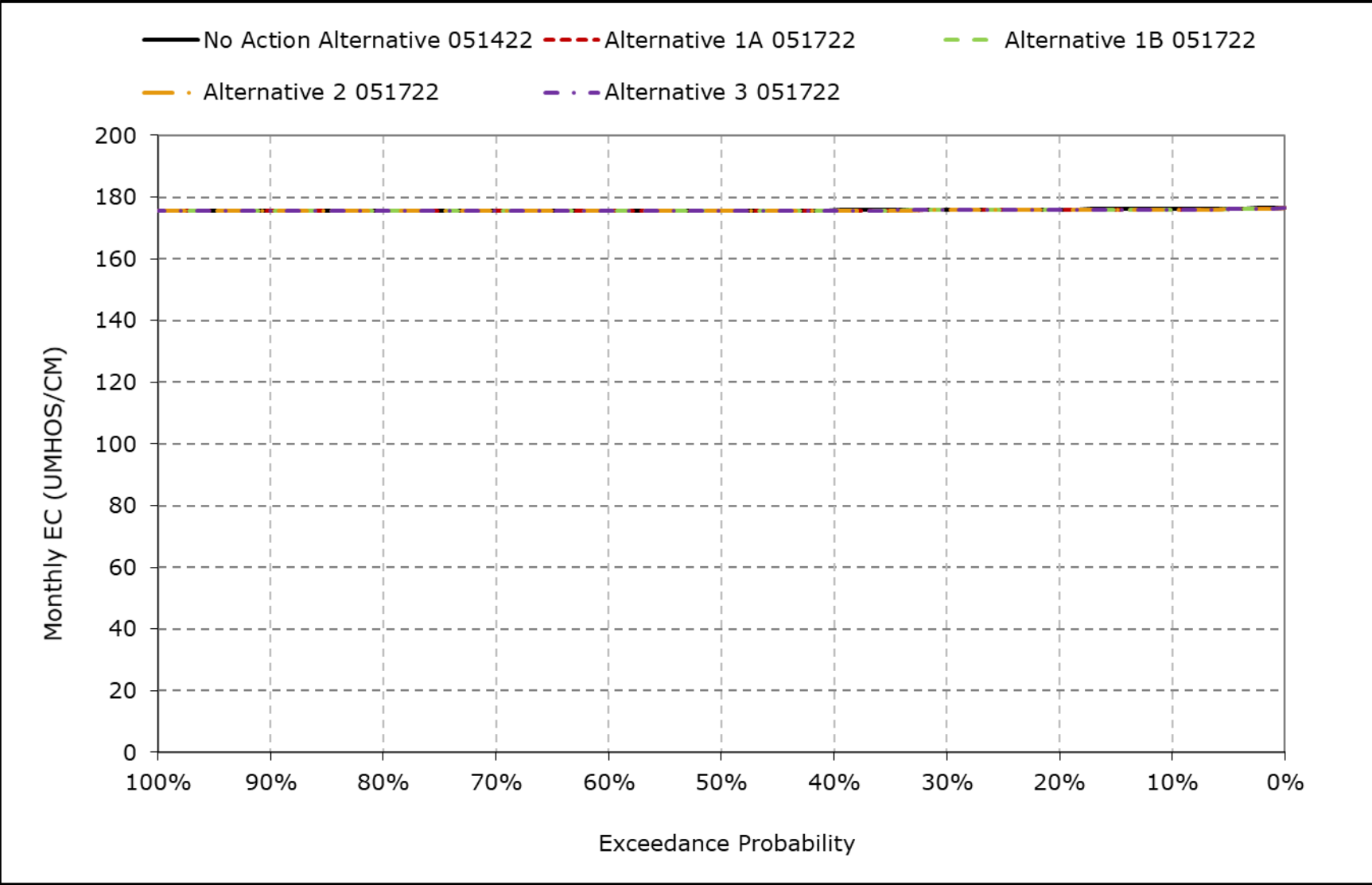
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-3-13. Sacramento River downstream of Georgiana Slough Salinity, July EC**



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

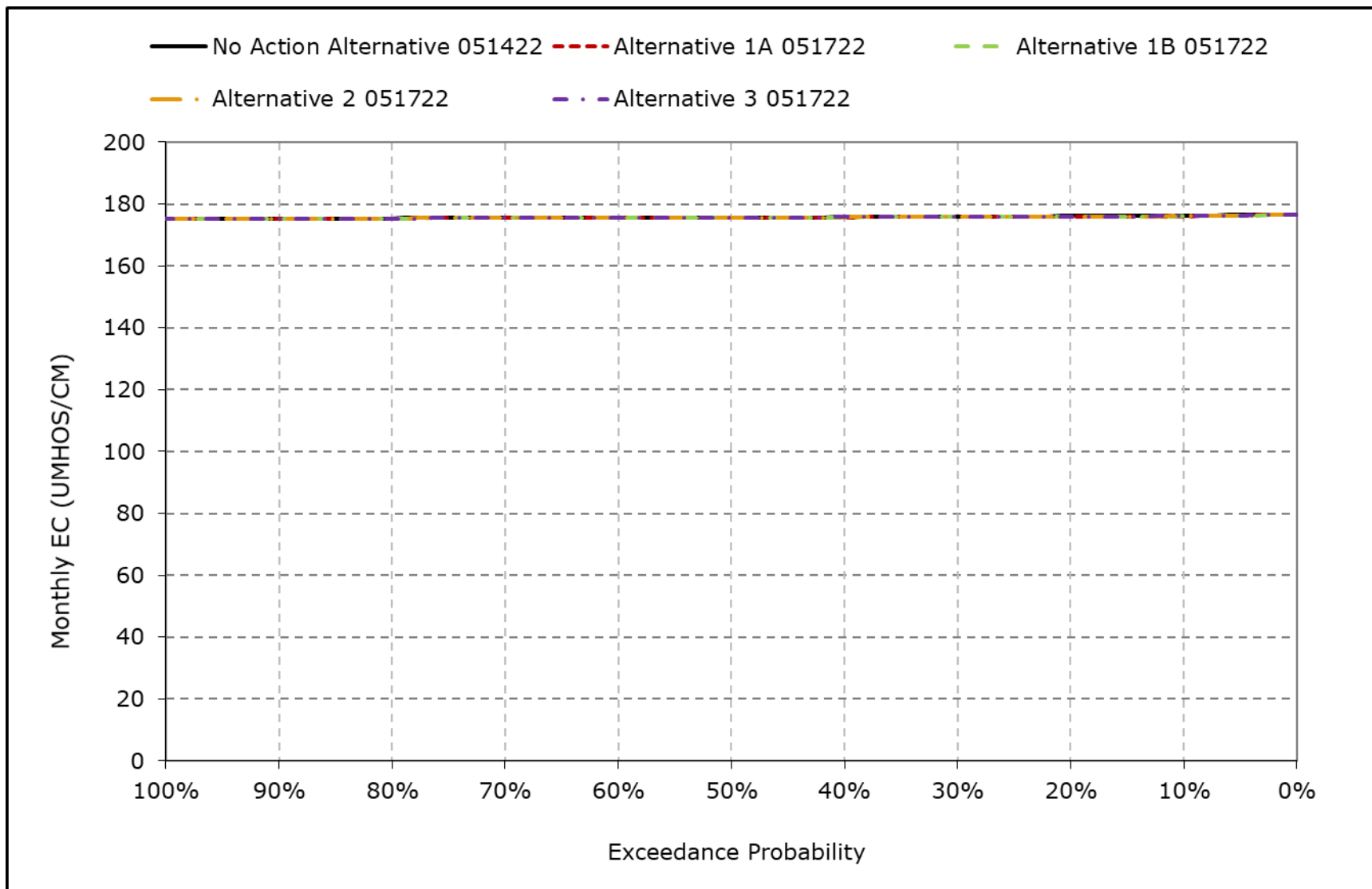
**Figure 6B1-3-14. Sacramento River downstream of Georgiana Slough Salinity, August EC**



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

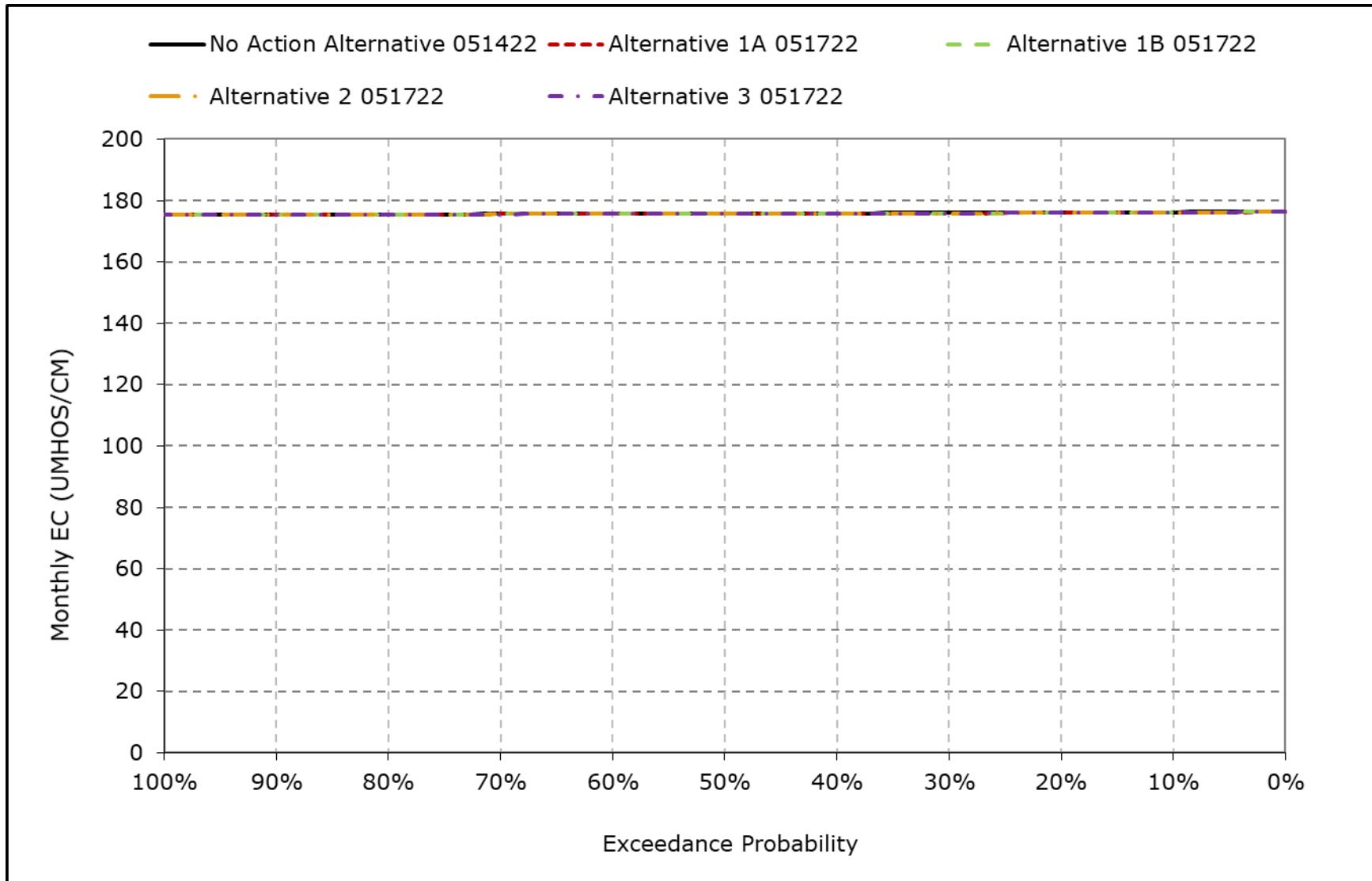


**Figure 6B1-3-15. Sacramento River downstream of Georgiana Slough Salinity, September EC**



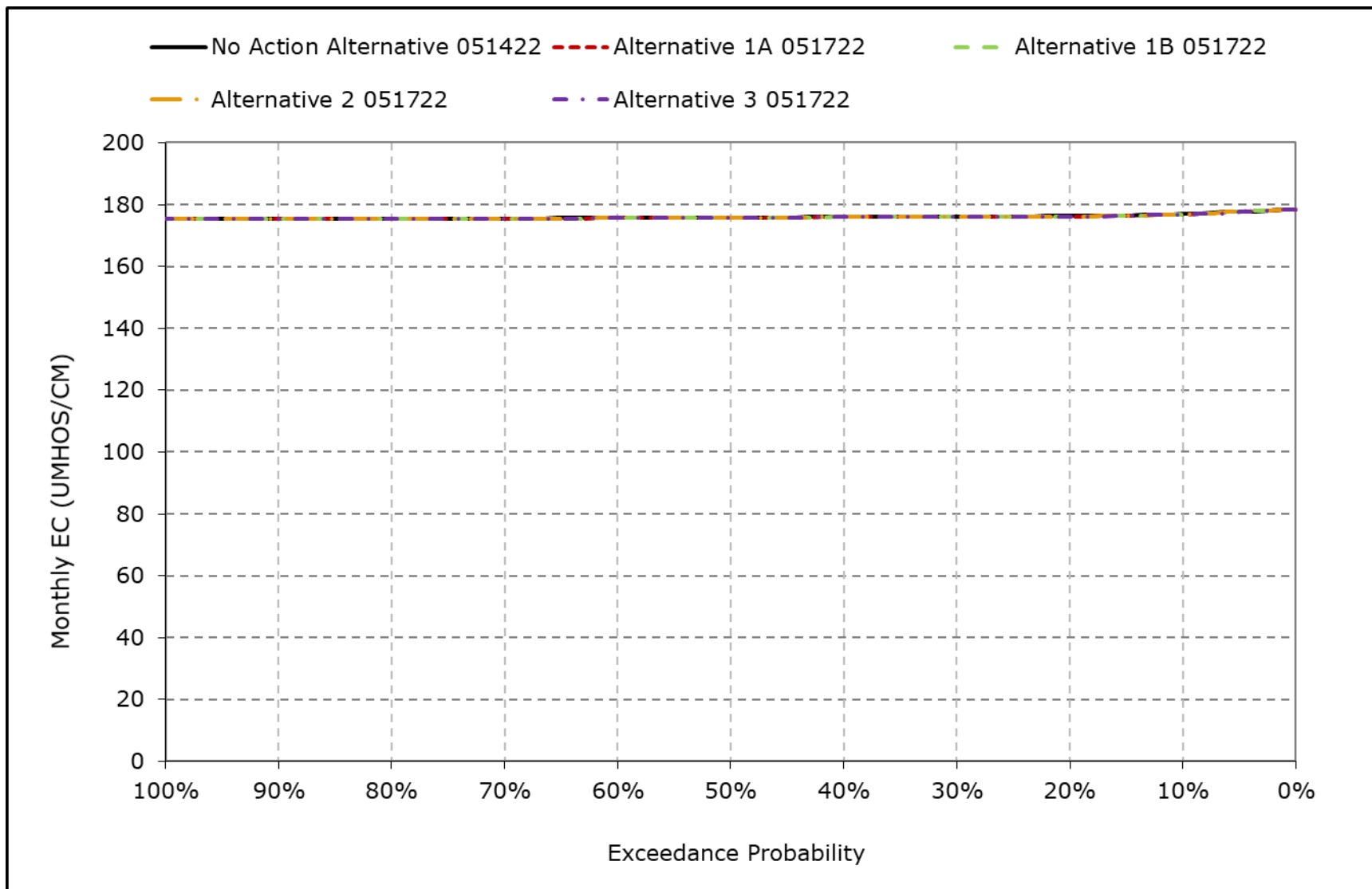
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-3-16. Sacramento River downstream of Georgiana Slough Salinity, October EC**



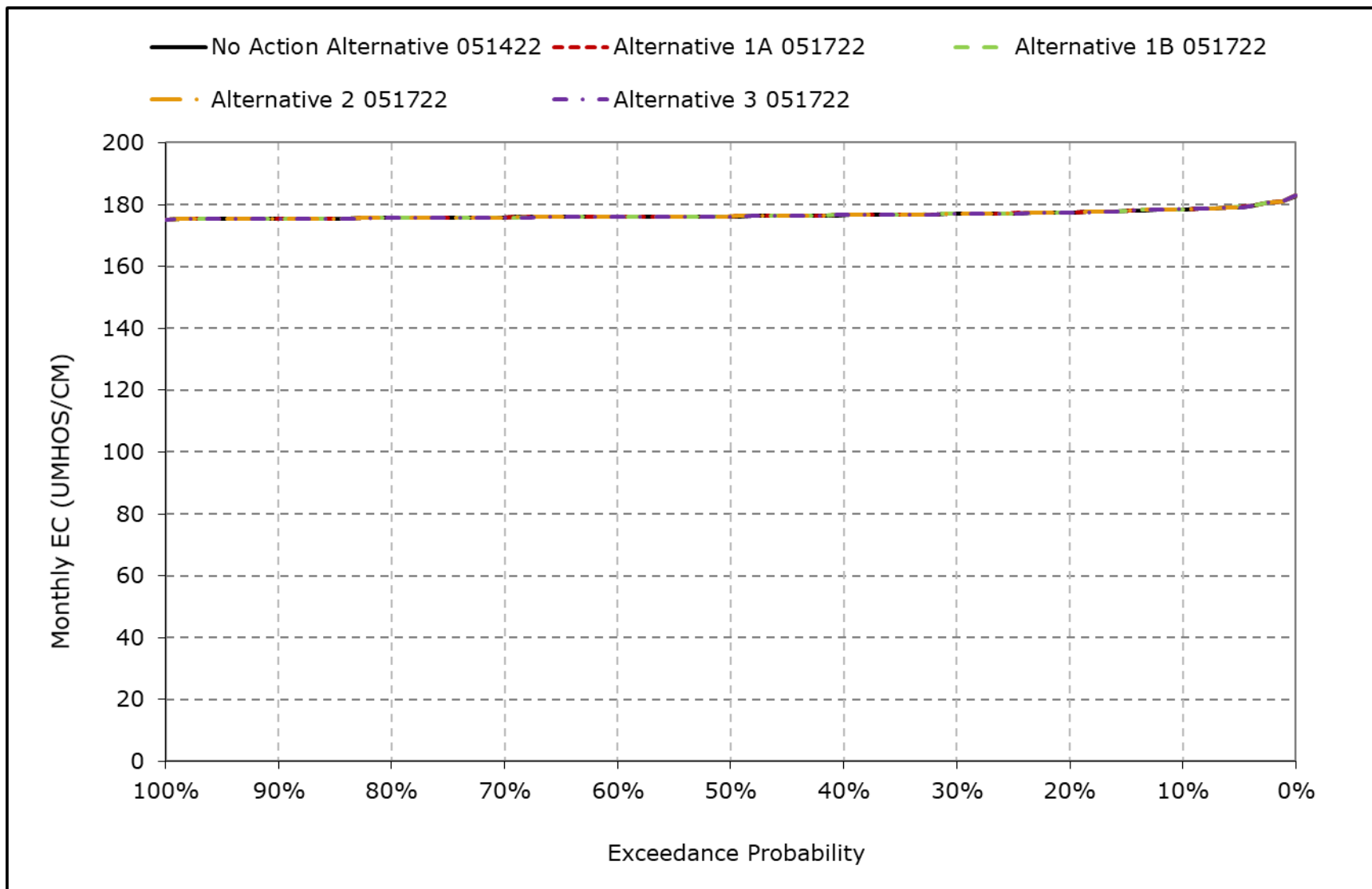
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-3-17. Sacramento River downstream of Georgiana Slough Salinity, November EC**



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

**Figure 6B1-3-18. Sacramento River downstream of Georgiana Slough Salinity, December EC**



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

**Table 6B1-4-1a. Sacramento River at Rio Vista, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	445	403	364	255	201	196	191	198	214	276	375	437
<b>20% Exceedance</b>	418	372	317	233	196	190	188	191	202	230	336	393
<b>30% Exceedance</b>	396	347	256	217	192	187	186	187	197	218	317	374
<b>40% Exceedance</b>	365	284	240	203	190	185	184	183	191	200	247	365
<b>50% Exceedance</b>	330	228	227	196	186	183	182	182	188	192	233	300
<b>60% Exceedance</b>	191	216	204	193	184	182	181	180	185	186	205	191
<b>70% Exceedance</b>	187	208	189	189	183	180	180	179	183	185	201	187
<b>80% Exceedance</b>	185	203	183	185	182	180	179	178	180	184	196	186
<b>90% Exceedance</b>	182	182	180	181	180	179	178	177	178	182	188	181
<b>Full Simulation Period Average<sup>a</sup></b>	302	282	249	210	190	185	184	188	202	217	260	294
<b>Wet Water Years (32%)</b>	185	201	215	188	182	181	180	179	181	183	194	185
<b>Above Normal Years (15%)</b>	190	217	224	197	187	181	181	180	185	185	200	188
<b>Below Normal Years (17%)</b>	353	280	245	205	188	186	184	183	189	196	241	333
<b>Dry Water Years (22%)</b>	407	340	269	224	194	187	186	188	198	224	326	386
<b>Critical Water Years (15%)</b>	454	437	325	257	204	196	193	222	287	337	386	454

**Table 6B1-4-1b. Sacramento River at Rio Vista, Alternative 1A 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	407	398	358	256	202	196	191	197	213	276	342	380
<b>20% Exceedance</b>	376	342	316	233	196	190	188	191	202	229	301	364
<b>30% Exceedance</b>	357	320	256	215	193	188	186	187	196	217	290	348
<b>40% Exceedance</b>	338	287	239	203	190	185	184	183	191	200	245	333
<b>50% Exceedance</b>	308	227	229	196	186	183	182	182	188	192	228	289
<b>60% Exceedance</b>	188	214	207	194	184	182	181	180	185	186	203	189
<b>70% Exceedance</b>	186	207	191	189	183	180	180	179	183	185	199	185
<b>80% Exceedance</b>	184	203	185	185	182	180	179	178	180	184	194	184
<b>90% Exceedance</b>	182	183	180	181	180	179	178	177	178	182	187	181
<b>Full Simulation Period Average<sup>a</sup></b>	284	274	249	211	190	185	184	188	202	214	248	278
<b>Wet Water Years (32%)</b>	184	201	215	188	182	181	180	179	181	183	193	183
<b>Above Normal Years (15%)</b>	189	216	225	198	187	181	181	180	185	185	198	186
<b>Below Normal Years (17%)</b>	331	272	244	204	188	186	184	183	189	196	238	319
<b>Dry Water Years (22%)</b>	362	319	266	225	195	188	186	188	197	222	299	353
<b>Critical Water Years (15%)</b>	426	427	324	258	205	196	193	221	285	318	351	416

**Table 6B1-4-1c. Sacramento River at Rio Vista, Alternative 1A 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-38	-5	-6	1	1	1	0	-1	0	0	-32	-58
<b>20% Exceedance</b>	-42	-31	-2	0	0	1	0	0	0	-1	-35	-29
<b>30% Exceedance</b>	-39	-26	0	-2	1	1	0	0	0	-1	-27	-26
<b>40% Exceedance</b>	-27	3	-1	0	0	0	0	0	0	0	-2	-31
<b>50% Exceedance</b>	-22	-1	2	0	0	0	0	0	0	0	-5	-11
<b>60% Exceedance</b>	-2	-1	3	1	0	0	0	0	0	0	-2	-2
<b>70% Exceedance</b>	-1	-1	2	0	0	0	0	0	0	0	-2	-1
<b>80% Exceedance</b>	-1	-1	1	0	0	0	0	0	0	0	-2	-1
<b>90% Exceedance</b>	-1	1	0	0	0	0	0	0	0	0	-1	0
<b>Full Simulation Period Average<sup>a</sup></b>	-18	-7	-1	0	0	0	0	0	0	-3	-12	-16
<b>Wet Water Years (32%)</b>	-1	0	0	0	0	0	0	0	0	0	-2	-1
<b>Above Normal Years (15%)</b>	-1	-2	1	1	0	0	0	0	0	0	-2	-1
<b>Below Normal Years (17%)</b>	-22	-8	-1	-1	0	0	0	0	0	0	-3	-14
<b>Dry Water Years (22%)</b>	-45	-21	-3	1	0	0	0	0	0	-2	-27	-33
<b>Critical Water Years (15%)</b>	-27	-9	-2	0	1	0	0	-1	-3	-19	-36	-38

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-4-2a. Sacramento River at Rio Vista, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	445	403	364	255	201	196	191	198	214	276	375	437
<b>20% Exceedance</b>	418	372	317	233	196	190	188	191	202	230	336	393
<b>30% Exceedance</b>	396	347	256	217	192	187	186	187	197	218	317	374
<b>40% Exceedance</b>	365	284	240	203	190	185	184	183	191	200	247	365
<b>50% Exceedance</b>	330	228	227	196	186	183	182	182	188	192	233	300
<b>60% Exceedance</b>	191	216	204	193	184	182	181	180	185	186	205	191
<b>70% Exceedance</b>	187	208	189	189	183	180	180	179	183	185	201	187
<b>80% Exceedance</b>	185	203	183	185	182	180	179	178	180	184	196	186
<b>90% Exceedance</b>	182	182	180	181	180	179	178	177	178	182	188	181
<b>Full Simulation Period Average<sup>a</sup></b>	302	282	249	210	190	185	184	188	202	217	260	294
<b>Wet Water Years (32%)</b>	185	201	215	188	182	181	180	179	181	183	194	185
<b>Above Normal Years (15%)</b>	190	217	224	197	187	181	181	180	185	185	200	188
<b>Below Normal Years (17%)</b>	353	280	245	205	188	186	184	183	189	196	241	333
<b>Dry Water Years (22%)</b>	407	340	269	224	194	187	186	188	198	224	326	386
<b>Critical Water Years (15%)</b>	454	437	325	257	204	196	193	222	287	337	386	454

**Table 6B1-4-2b. Sacramento River at Rio Vista, Alternative 1B 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	406	398	359	257	202	196	191	197	215	276	342	386
<b>20% Exceedance</b>	374	355	313	231	195	190	188	191	202	229	306	364
<b>30% Exceedance</b>	359	322	259	216	193	188	186	186	197	218	292	350
<b>40% Exceedance</b>	336	290	239	204	190	185	184	183	191	200	245	332
<b>50% Exceedance</b>	315	227	229	197	186	183	182	182	188	192	228	290
<b>60% Exceedance</b>	188	214	207	194	184	182	181	180	185	186	203	189
<b>70% Exceedance</b>	186	208	191	190	183	180	180	179	183	185	199	185
<b>80% Exceedance</b>	184	200	185	185	182	180	179	178	180	184	194	184
<b>90% Exceedance</b>	182	184	180	181	180	179	178	177	178	182	187	181
<b>Full Simulation Period Average<sup>a</sup></b>	285	276	249	211	190	185	184	188	202	214	248	279
<b>Wet Water Years (32%)</b>	184	201	216	188	182	181	180	179	181	183	193	184
<b>Above Normal Years (15%)</b>	189	216	225	198	187	181	181	180	185	185	198	186
<b>Below Normal Years (17%)</b>	332	271	244	206	189	186	184	183	189	196	238	320
<b>Dry Water Years (22%)</b>	360	324	267	224	195	188	186	188	198	222	300	353
<b>Critical Water Years (15%)</b>	431	429	323	258	205	196	193	221	286	319	352	418

**Table 6B1-4-2c. Sacramento River at Rio Vista, Alternative 1B 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-39	-5	-5	3	1	1	0	0	1	0	-32	-51
<b>20% Exceedance</b>	-44	-17	-4	-1	0	1	0	0	0	-1	-30	-29
<b>30% Exceedance</b>	-37	-24	3	-2	1	1	0	-1	0	-1	-25	-24
<b>40% Exceedance</b>	-29	5	-1	1	0	0	0	0	0	0	-2	-32
<b>50% Exceedance</b>	-15	-1	3	0	0	0	0	0	0	0	-5	-9
<b>60% Exceedance</b>	-3	-2	3	1	0	0	0	0	0	0	-2	-2
<b>70% Exceedance</b>	-1	0	2	0	0	0	0	0	0	0	-2	-1
<b>80% Exceedance</b>	-1	-3	1	0	0	0	0	0	0	0	-2	-1
<b>90% Exceedance</b>	-1	1	0	0	0	0	0	0	0	0	-1	0
<b>Full Simulation Period Average<sup>a</sup></b>	-18	-6	-1	0	0	0	0	0	0	-3	-12	-15
<b>Wet Water Years (32%)</b>	-1	0	1	0	0	0	0	0	0	0	-2	-1
<b>Above Normal Years (15%)</b>	-2	-2	0	1	0	0	0	0	0	0	-2	-1
<b>Below Normal Years (17%)</b>	-21	-9	-1	0	0	0	0	0	0	0	-3	-13
<b>Dry Water Years (22%)</b>	-47	-15	-2	0	1	0	0	0	0	-2	-25	-33
<b>Critical Water Years (15%)</b>	-23	-8	-2	1	0	0	0	-1	-2	-18	-34	-36

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-4-3a. Sacramento River at Rio Vista, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	445	403	364	255	201	196	191	198	214	276	375	437
<b>20% Exceedance</b>	418	372	317	233	196	190	188	191	202	230	336	393
<b>30% Exceedance</b>	396	347	256	217	192	187	186	187	197	218	317	374
<b>40% Exceedance</b>	365	284	240	203	190	185	184	183	191	200	247	365
<b>50% Exceedance</b>	330	228	227	196	186	183	182	182	188	192	233	300
<b>60% Exceedance</b>	191	216	204	193	184	182	181	180	185	186	205	191
<b>70% Exceedance</b>	187	208	189	189	183	180	180	179	183	185	201	187
<b>80% Exceedance</b>	185	203	183	185	182	180	179	178	180	184	196	186
<b>90% Exceedance</b>	182	182	180	181	180	179	178	177	178	182	188	181
<b>Full Simulation Period Average<sup>a</sup></b>	302	282	249	210	190	185	184	188	202	217	260	294
<b>Wet Water Years (32%)</b>	185	201	215	188	182	181	180	179	181	183	194	185
<b>Above Normal Years (15%)</b>	190	217	224	197	187	181	181	180	185	185	200	188
<b>Below Normal Years (17%)</b>	353	280	245	205	188	186	184	183	189	196	241	333
<b>Dry Water Years (22%)</b>	407	340	269	224	194	187	186	188	198	224	326	386
<b>Critical Water Years (15%)</b>	454	437	325	257	204	196	193	222	287	337	386	454

**Table 6B1-4-3b. Sacramento River at Rio Vista, Alternative 2 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	406	403	354	254	202	196	191	197	213	276	337	386
<b>20% Exceedance</b>	370	348	315	233	196	190	188	191	202	229	301	364
<b>30% Exceedance</b>	357	321	256	215	193	188	186	187	196	217	288	347
<b>40% Exceedance</b>	341	287	239	203	190	185	184	183	191	200	244	329
<b>50% Exceedance</b>	307	225	229	196	186	183	182	182	188	192	228	289
<b>60% Exceedance</b>	189	214	207	194	184	182	181	181	185	186	203	189
<b>70% Exceedance</b>	186	207	191	190	183	180	180	179	183	185	199	185
<b>80% Exceedance</b>	184	202	185	185	182	180	179	178	180	184	194	184
<b>90% Exceedance</b>	182	183	180	181	180	179	178	177	178	182	187	181
<b>Full Simulation Period Average<sup>a</sup></b>	284	274	248	211	190	185	184	188	202	214	247	278
<b>Wet Water Years (32%)</b>	184	201	215	188	182	181	180	179	181	183	193	183
<b>Above Normal Years (15%)</b>	188	216	225	198	187	181	181	180	185	185	198	186
<b>Below Normal Years (17%)</b>	331	272	244	204	188	186	184	183	189	196	237	319
<b>Dry Water Years (22%)</b>	362	320	266	225	195	188	186	188	197	222	300	355
<b>Critical Water Years (15%)</b>	425	428	323	257	205	196	193	221	285	319	347	413

**Table 6B1-4-3c. Sacramento River at Rio Vista, Alternative 2 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-39	0	-10	0	1	1	0	-1	0	0	-38	-51
<b>20% Exceedance</b>	-48	-24	-2	0	0	1	0	0	0	-1	-36	-29
<b>30% Exceedance</b>	-39	-26	0	-2	1	1	0	0	0	-1	-29	-27
<b>40% Exceedance</b>	-24	3	-1	0	0	0	0	0	0	0	-3	-35
<b>50% Exceedance</b>	-23	-3	2	0	0	0	0	0	0	0	-5	-11
<b>60% Exceedance</b>	-2	-2	3	1	0	0	0	0	0	0	-2	-2
<b>70% Exceedance</b>	-1	-1	2	0	0	0	0	0	0	0	-2	-1
<b>80% Exceedance</b>	-1	-1	1	0	0	0	0	0	0	0	-2	-1
<b>90% Exceedance</b>	-1	1	0	0	0	0	0	0	0	0	-1	0
<b>Full Simulation Period Average<sup>a</sup></b>	-18	-7	-1	0	0	0	0	0	0	-3	-13	-16
<b>Wet Water Years (32%)</b>	-1	0	0	0	0	0	0	0	0	0	-2	-1
<b>Above Normal Years (15%)</b>	-2	-2	0	1	0	0	0	0	0	0	-2	-2
<b>Below Normal Years (17%)</b>	-22	-8	-1	-1	0	0	0	0	0	0	-4	-14
<b>Dry Water Years (22%)</b>	-45	-20	-3	0	0	0	0	0	0	-2	-25	-31
<b>Critical Water Years (15%)</b>	-28	-9	-3	0	0	0	0	-1	-3	-18	-39	-41

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-4-4a. Sacramento River at Rio Vista, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	445	403	364	255	201	196	191	198	214	276	375	437
<b>20% Exceedance</b>	418	372	317	233	196	190	188	191	202	230	336	393
<b>30% Exceedance</b>	396	347	256	217	192	187	186	187	197	218	317	374
<b>40% Exceedance</b>	365	284	240	203	190	185	184	183	191	200	247	365
<b>50% Exceedance</b>	330	228	227	196	186	183	182	182	188	192	233	300
<b>60% Exceedance</b>	191	216	204	193	184	182	181	180	185	186	205	191
<b>70% Exceedance</b>	187	208	189	189	183	180	180	179	183	185	201	187
<b>80% Exceedance</b>	185	203	183	185	182	180	179	178	180	184	196	186
<b>90% Exceedance</b>	182	182	180	181	180	179	178	177	178	182	188	181
<b>Full Simulation Period Average<sup>a</sup></b>	302	282	249	210	190	185	184	188	202	217	260	294
<b>Wet Water Years (32%)</b>	185	201	215	188	182	181	180	179	181	183	194	185
<b>Above Normal Years (15%)</b>	190	217	224	197	187	181	181	180	185	185	200	188
<b>Below Normal Years (17%)</b>	353	280	245	205	188	186	184	183	189	196	241	333
<b>Dry Water Years (22%)</b>	407	340	269	224	194	187	186	188	198	224	326	386
<b>Critical Water Years (15%)</b>	454	437	325	257	204	196	193	222	287	337	386	454

**Table 6B1-4-4b. Sacramento River at Rio Vista, Alternative 3 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	407	409	354	257	202	195	191	197	215	275	345	404
<b>20% Exceedance</b>	381	350	313	234	195	190	188	191	203	228	309	365
<b>30% Exceedance</b>	354	320	257	220	193	188	186	186	197	217	293	356
<b>40% Exceedance</b>	328	280	241	203	190	185	184	183	192	200	246	344
<b>50% Exceedance</b>	257	223	229	197	186	183	182	182	188	192	232	286
<b>60% Exceedance</b>	190	211	206	194	184	182	181	180	185	186	203	189
<b>70% Exceedance</b>	186	206	189	190	183	180	180	179	183	185	198	185
<b>80% Exceedance</b>	184	196	184	185	182	180	179	178	180	184	193	184
<b>90% Exceedance</b>	182	184	180	181	180	179	178	177	178	182	187	181
<b>Full Simulation Period Average<sup>a</sup></b>	283	273	248	211	190	185	184	188	202	214	249	282
<b>Wet Water Years (32%)</b>	184	201	215	188	182	181	180	179	181	183	192	184
<b>Above Normal Years (15%)</b>	189	213	226	199	187	181	181	180	185	185	198	186
<b>Below Normal Years (17%)</b>	308	259	242	205	188	186	184	183	190	195	238	322
<b>Dry Water Years (22%)</b>	369	325	269	226	195	187	186	188	198	222	303	357
<b>Critical Water Years (15%)</b>	434	428	318	257	204	195	193	221	287	320	357	434

**Table 6B1-4-4c. Sacramento River at Rio Vista, Alternative 3 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-38	7	-10	3	1	0	0	-1	1	-2	-30	-33
<b>20% Exceedance</b>	-37	-22	-5	1	0	0	0	0	0	-2	-27	-28
<b>30% Exceedance</b>	-42	-27	1	2	1	1	0	-1	0	-1	-25	-18
<b>40% Exceedance</b>	-37	-4	1	0	0	0	0	0	1	0	-1	-21
<b>50% Exceedance</b>	-73	-5	2	0	0	0	0	0	0	0	-1	-14
<b>60% Exceedance</b>	-1	-5	2	1	0	0	0	0	0	0	-2	-2
<b>70% Exceedance</b>	0	-2	0	1	0	0	0	0	0	0	-2	-1
<b>80% Exceedance</b>	-1	-8	0	0	0	0	0	0	0	0	-3	-1
<b>90% Exceedance</b>	0	1	0	0	0	0	0	0	0	0	-1	0
<b>Full Simulation Period Average<sup>a</sup></b>	-19	-9	-1	1	0	0	0	0	0	-3	-11	-12
<b>Wet Water Years (32%)</b>	0	0	0	0	0	0	0	0	0	0	-2	-1
<b>Above Normal Years (15%)</b>	-1	-4	1	2	0	0	0	0	0	0	-2	-1
<b>Below Normal Years (17%)</b>	-45	-21	-2	-1	0	0	0	0	0	0	-3	-11
<b>Dry Water Years (22%)</b>	-38	-15	0	1	0	0	0	0	0	-3	-22	-29
<b>Critical Water Years (15%)</b>	-20	-8	-8	0	0	0	0	-1	-1	-17	-29	-20

<sup>a</sup> Based on the 82-year simulation period.

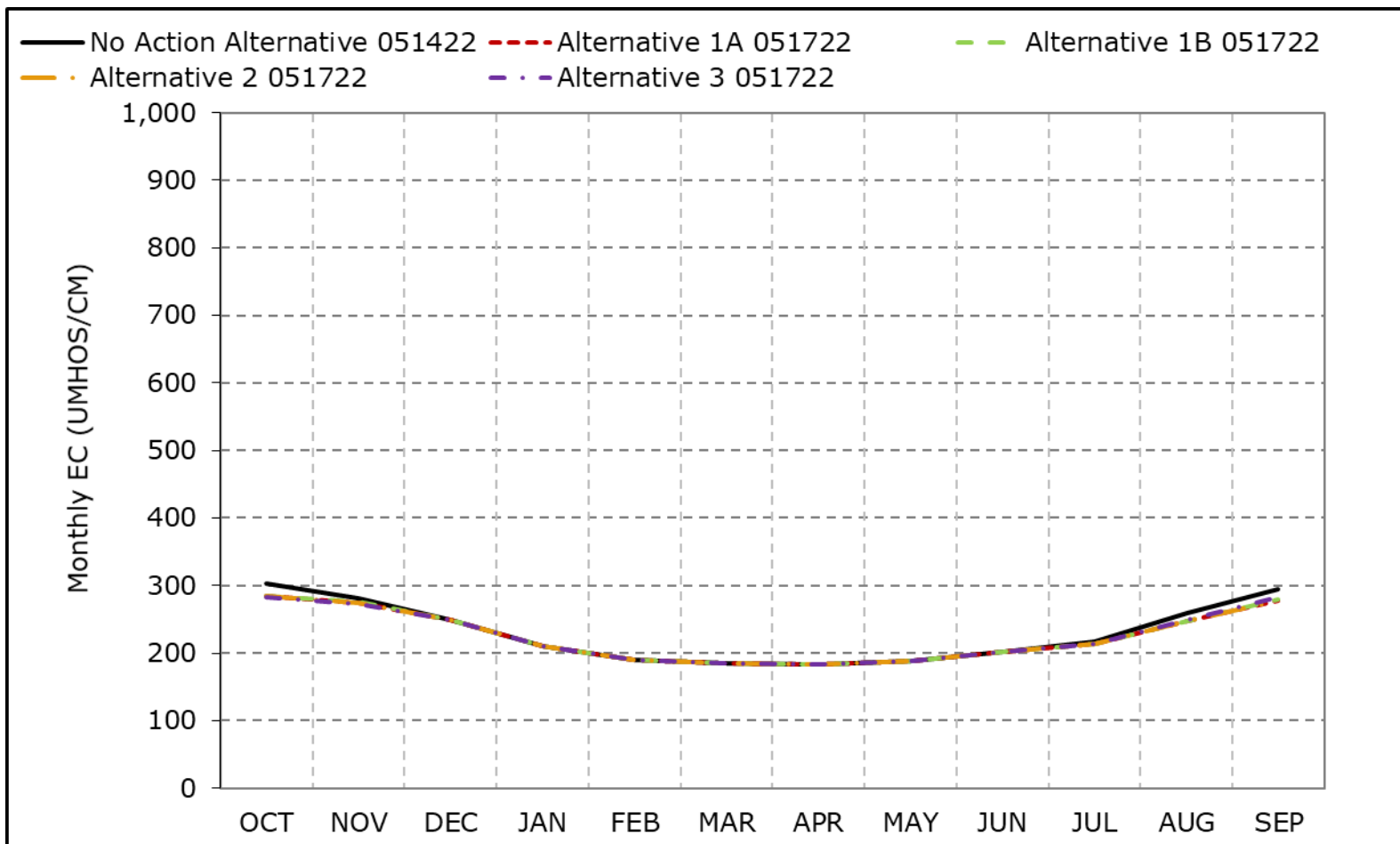
\* All scenarios are simulated at current climate condition and 0 cm sea level rise.

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

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



**Figure 6B1-4-1. Sacramento River at Rio Vista, Long-Term Average EC**

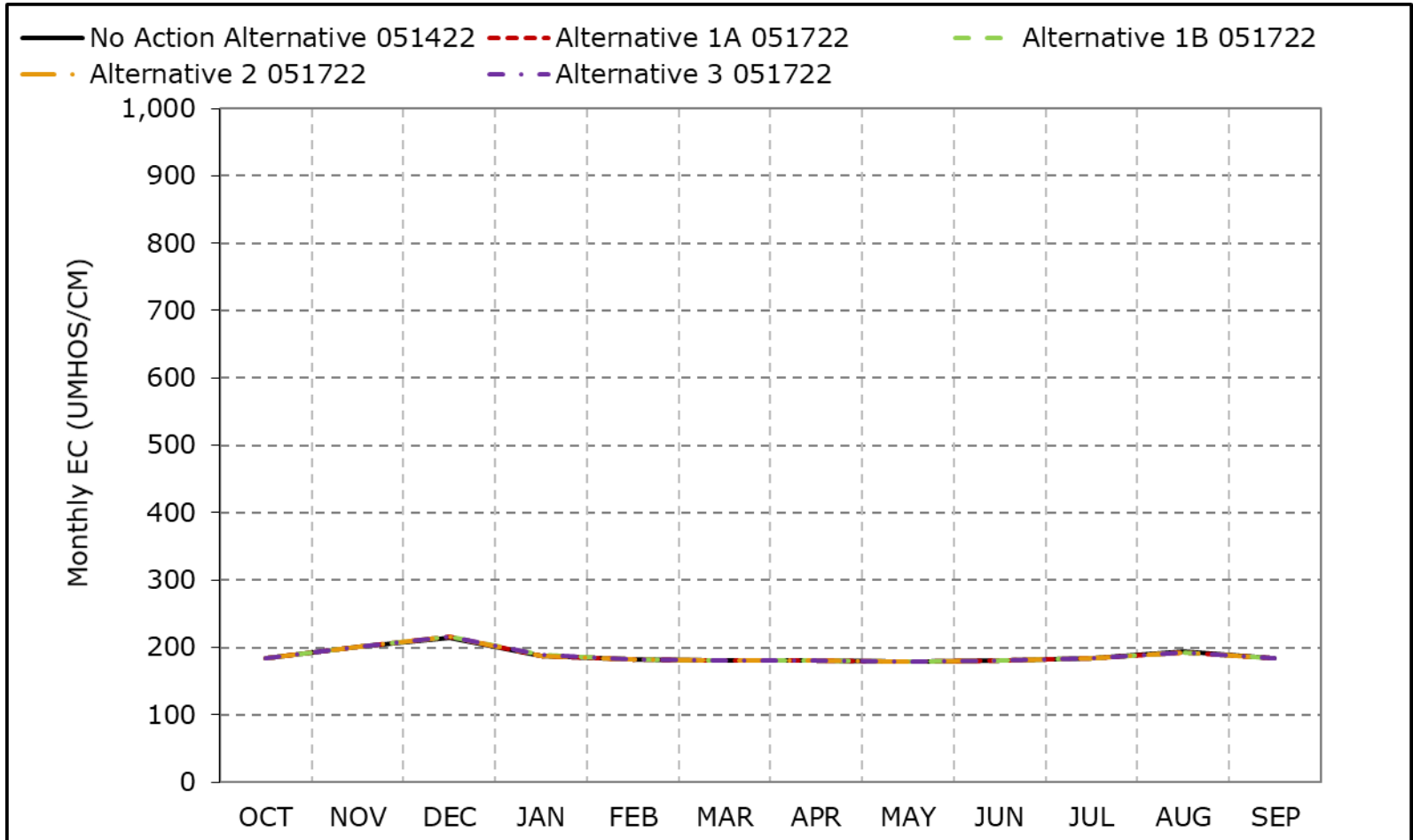


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-4-2. Sacramento River at Rio Vista, Wet Year Average EC**

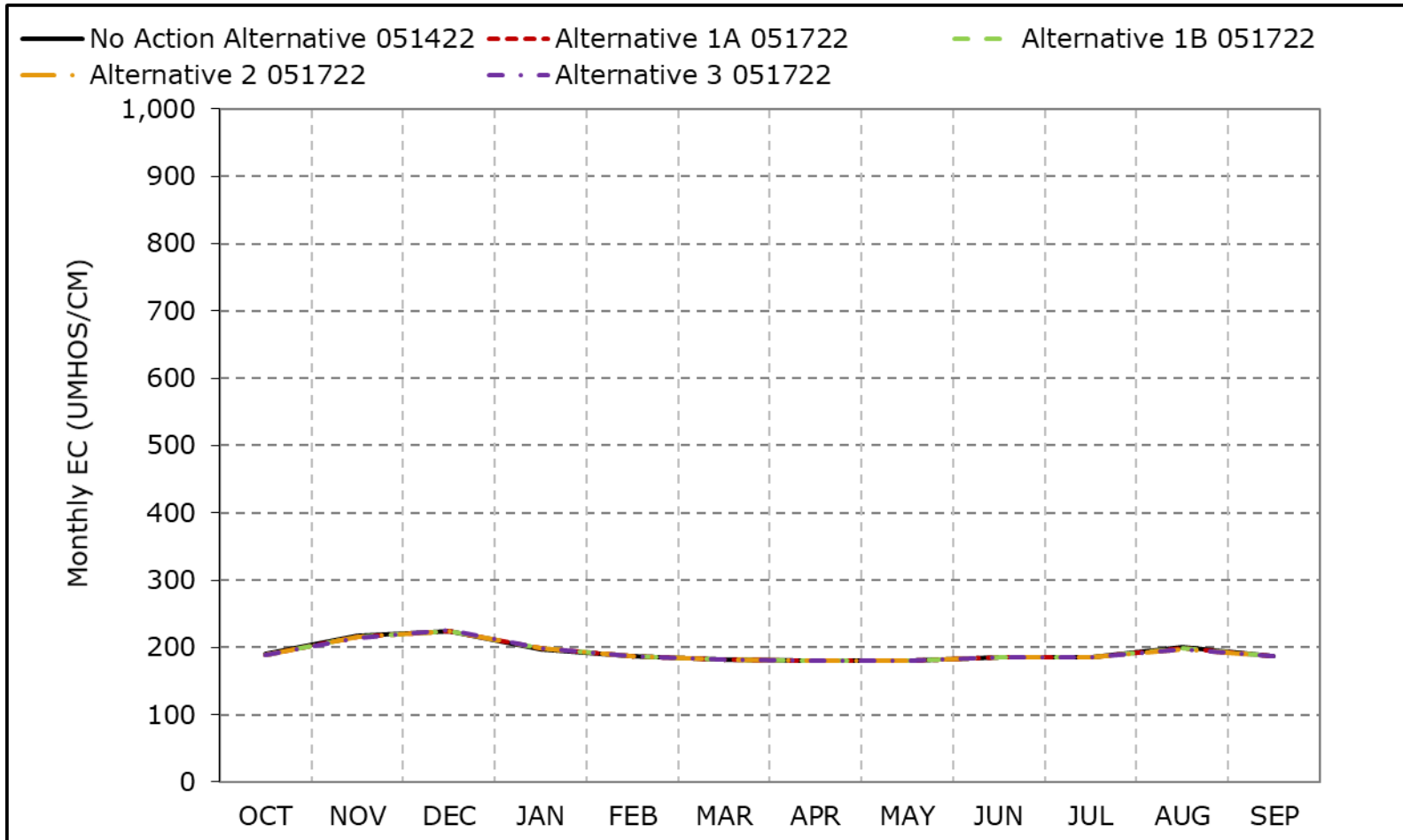


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-4-3. Sacramento River at Rio Vista, Above Normal Year Average EC**

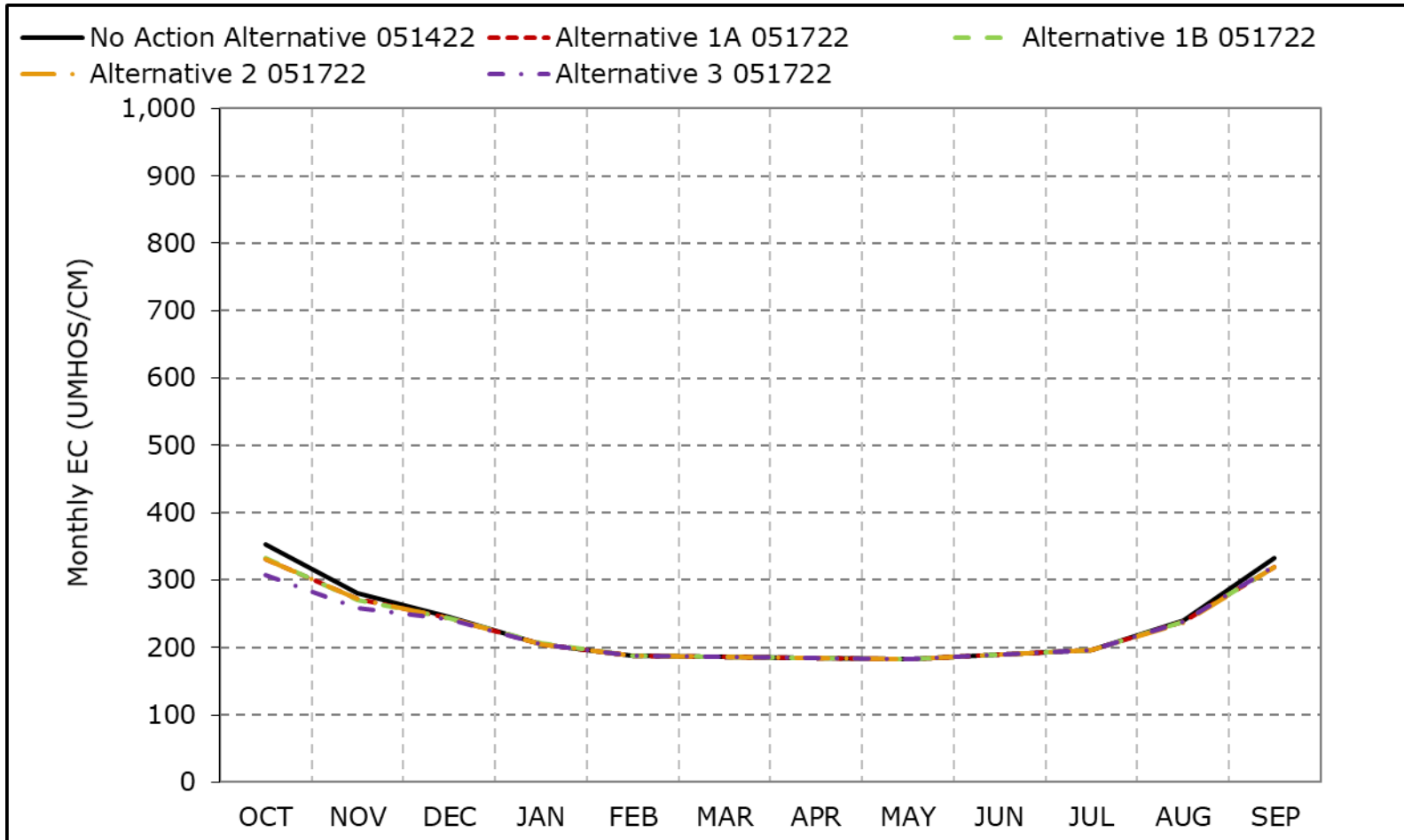


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-4-4. Sacramento River at Rio Vista, Below Normal Year Average EC**

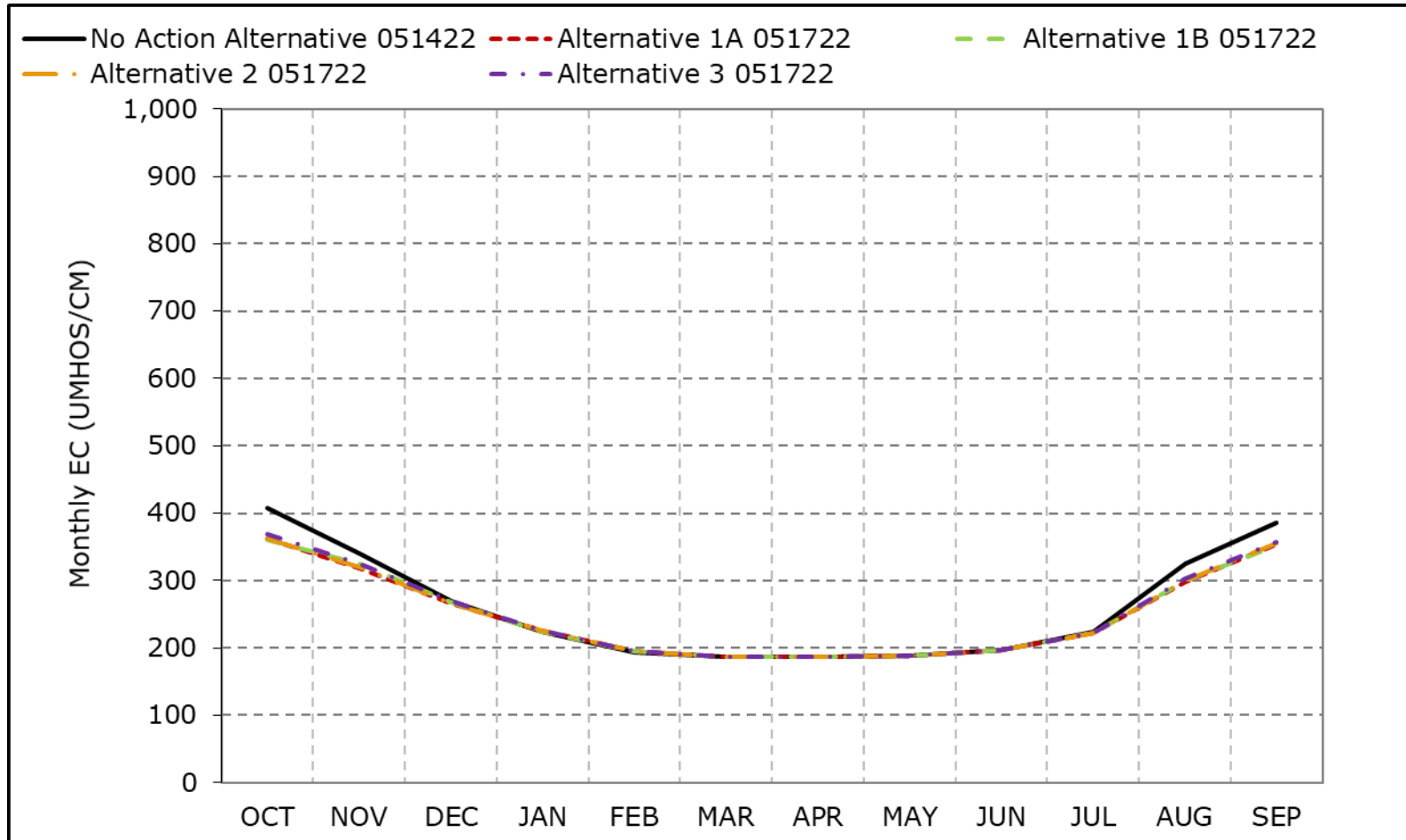


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-4-5. Sacramento River at Rio Vista, Dry Year Average EC**

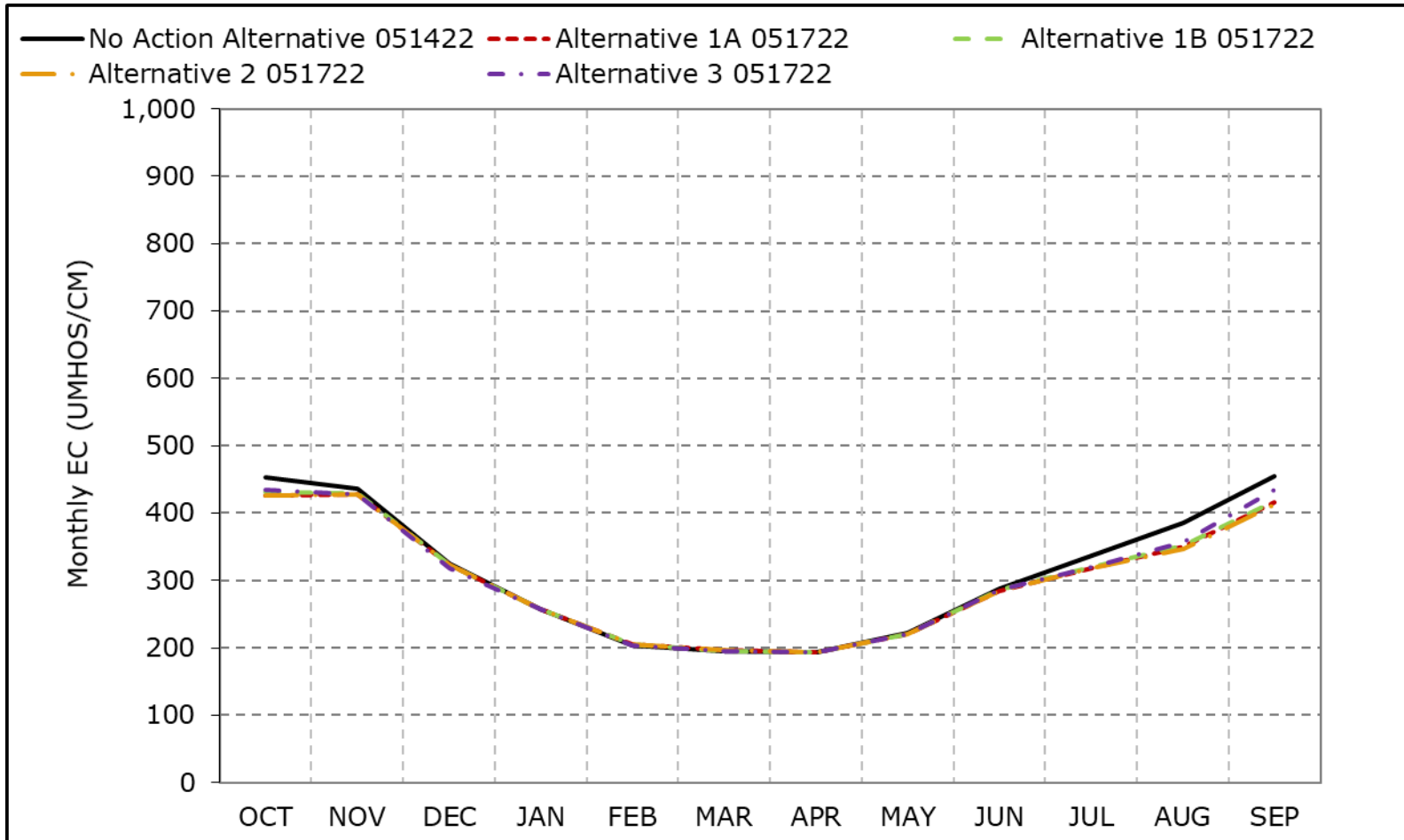


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-4-6. Sacramento River at Rio Vista, Critical Year Average EC**

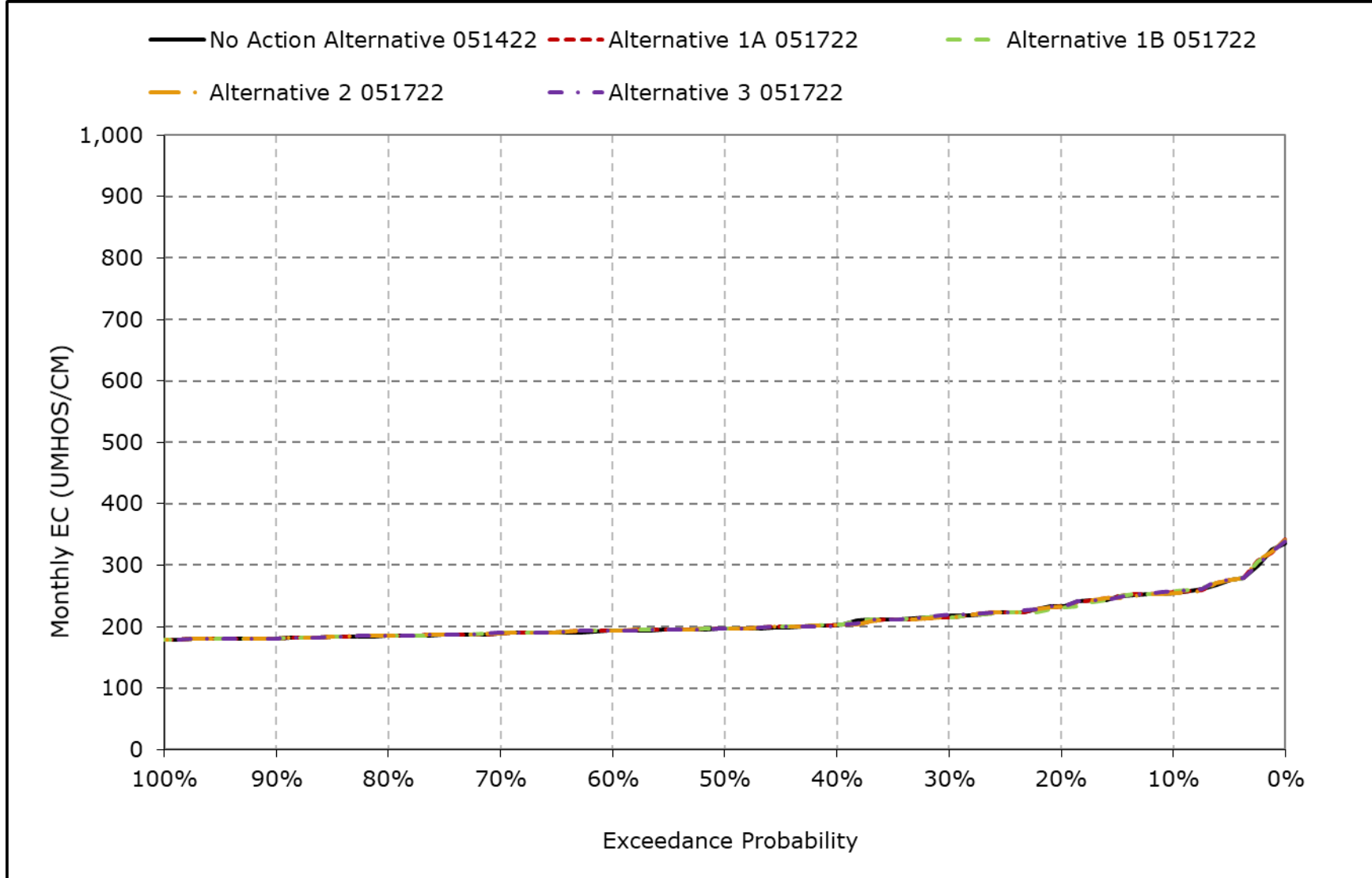


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

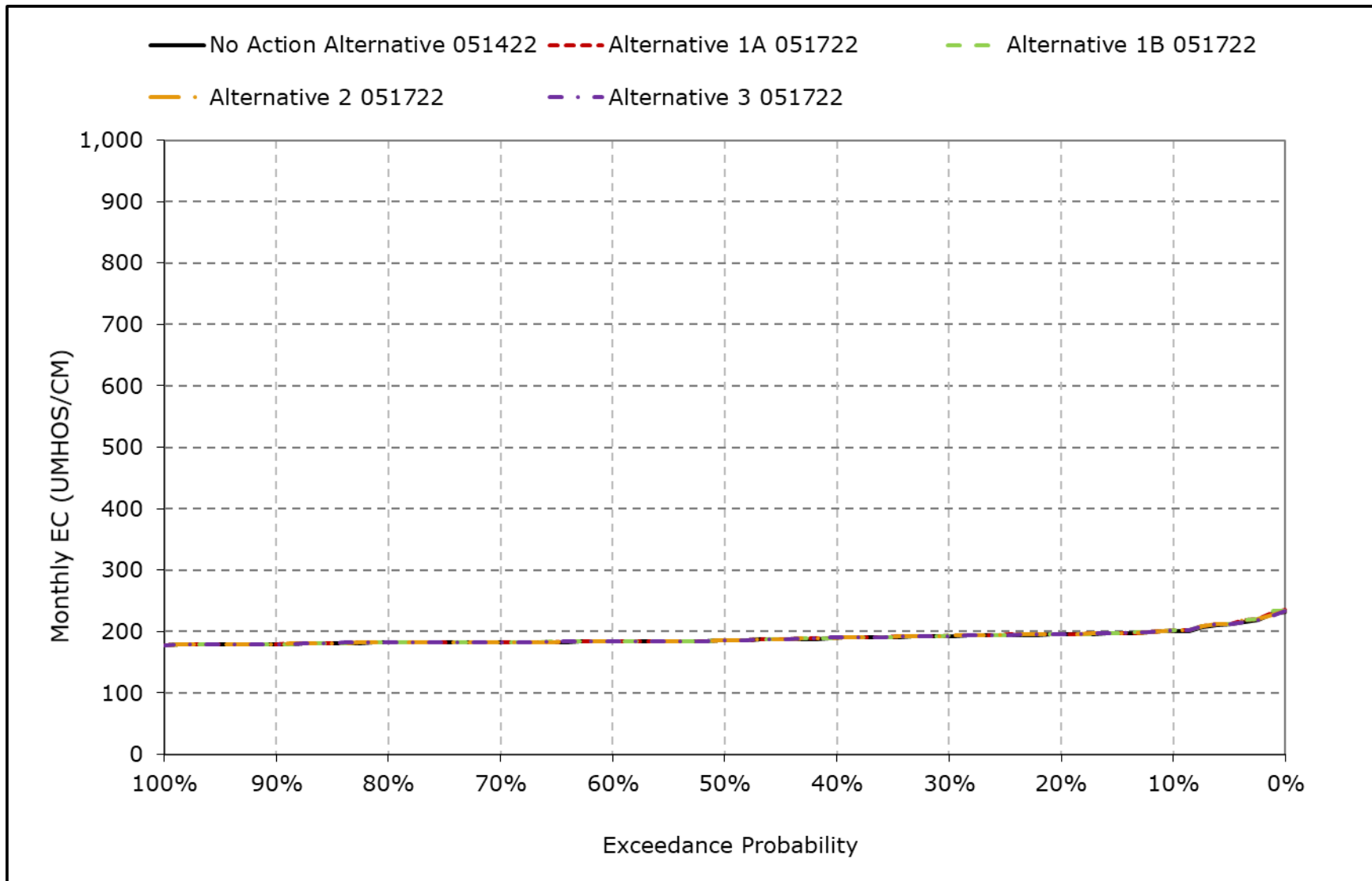
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-4-7. Sacramento River at Rio Vista Salinity, January EC**



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

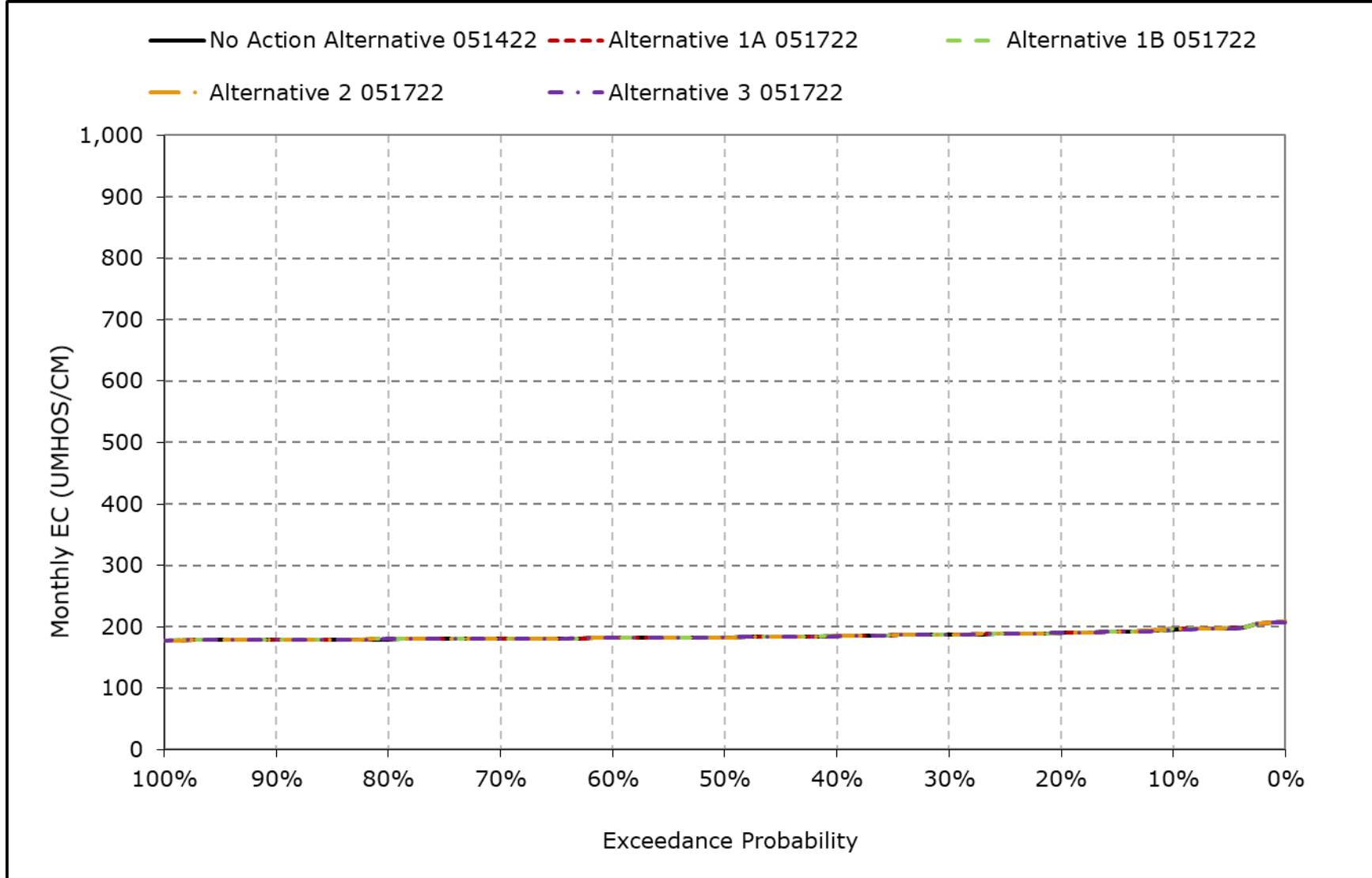
**Figure 6B1-4-8. Sacramento River at Rio Vista Salinity, February EC**



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

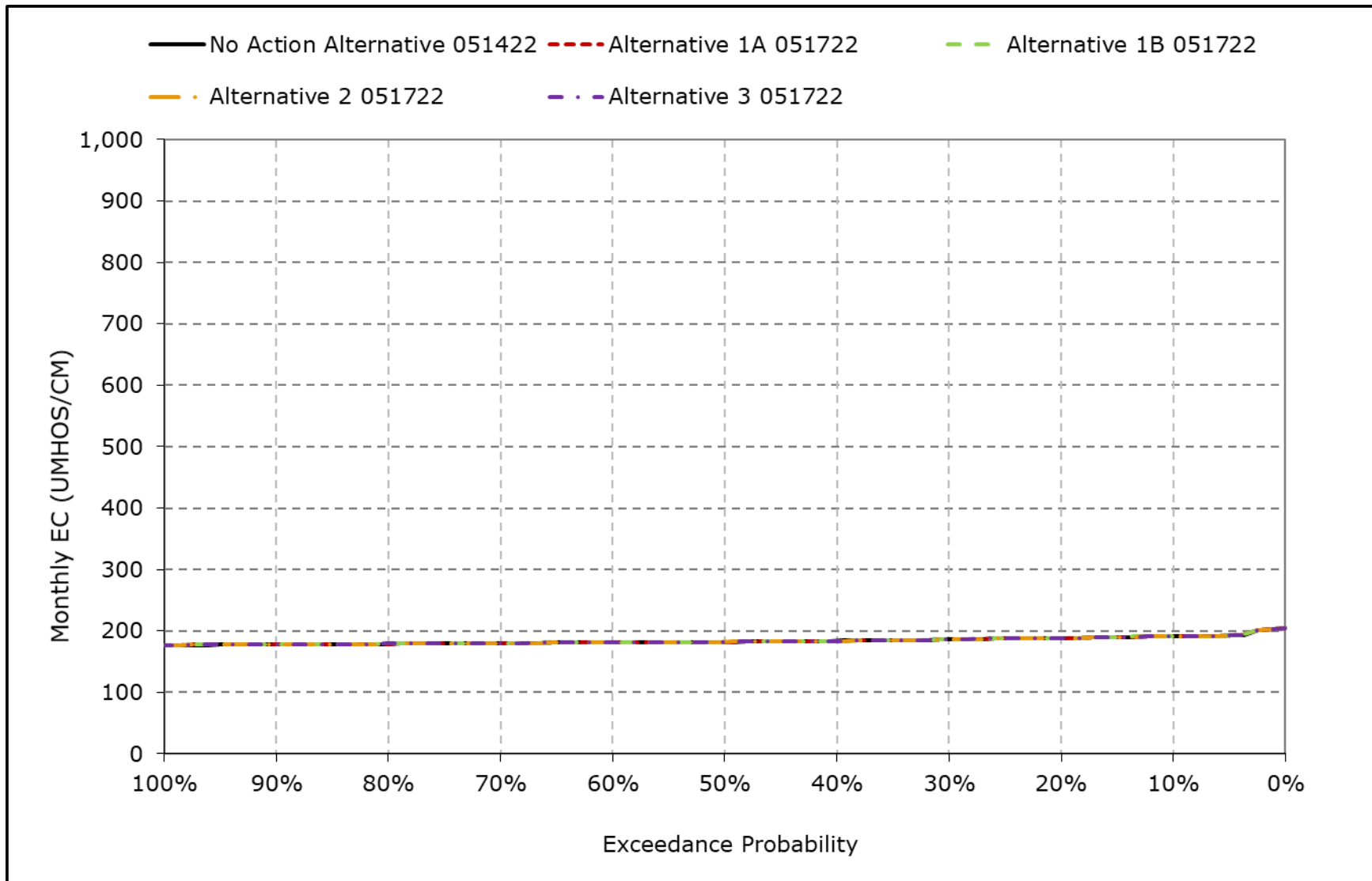


**Figure 6B1-4-9. Sacramento River at Rio Vista Salinity, March EC**



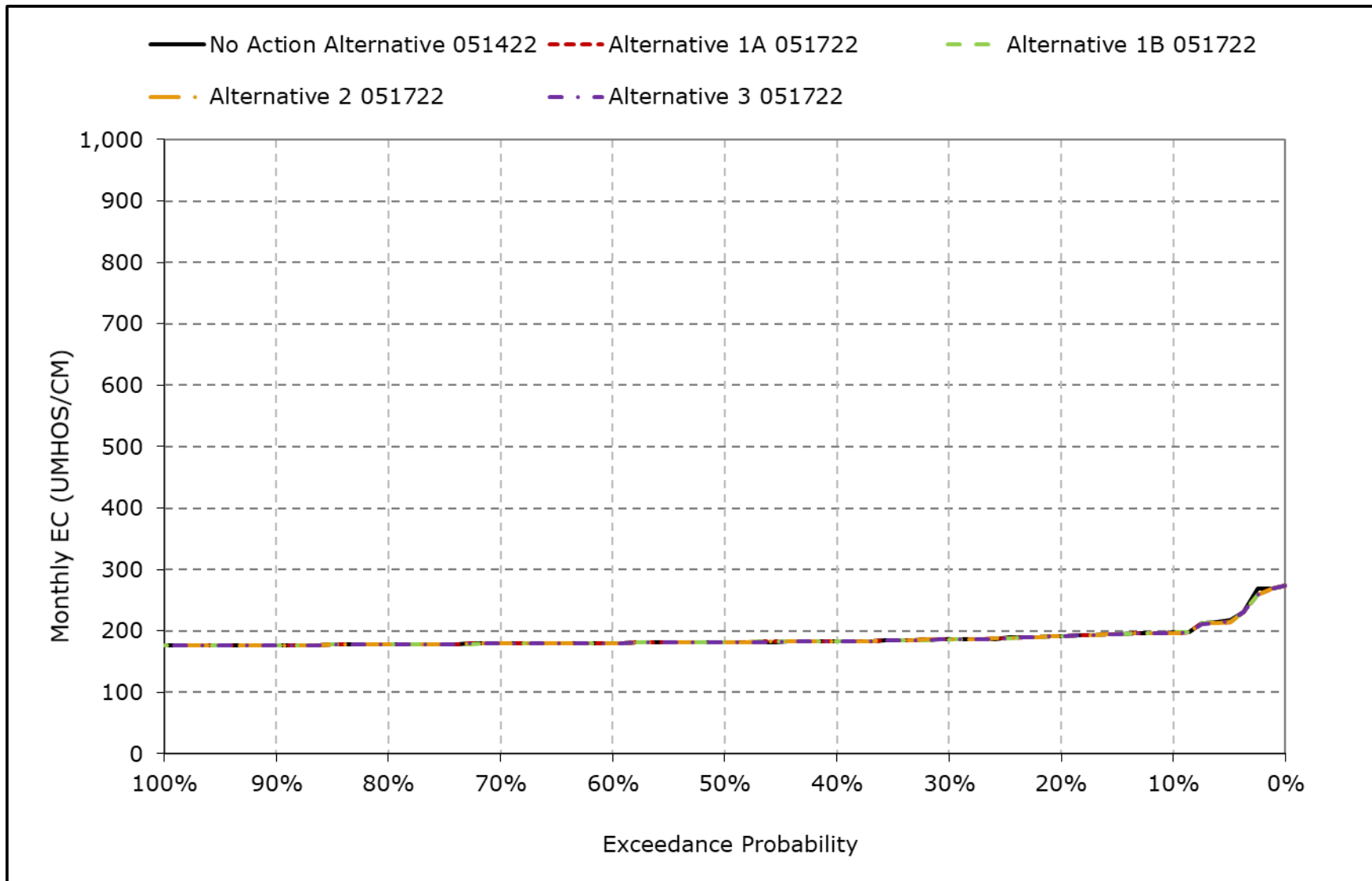
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-4-10. Sacramento River at Rio Vista Salinity, April EC**



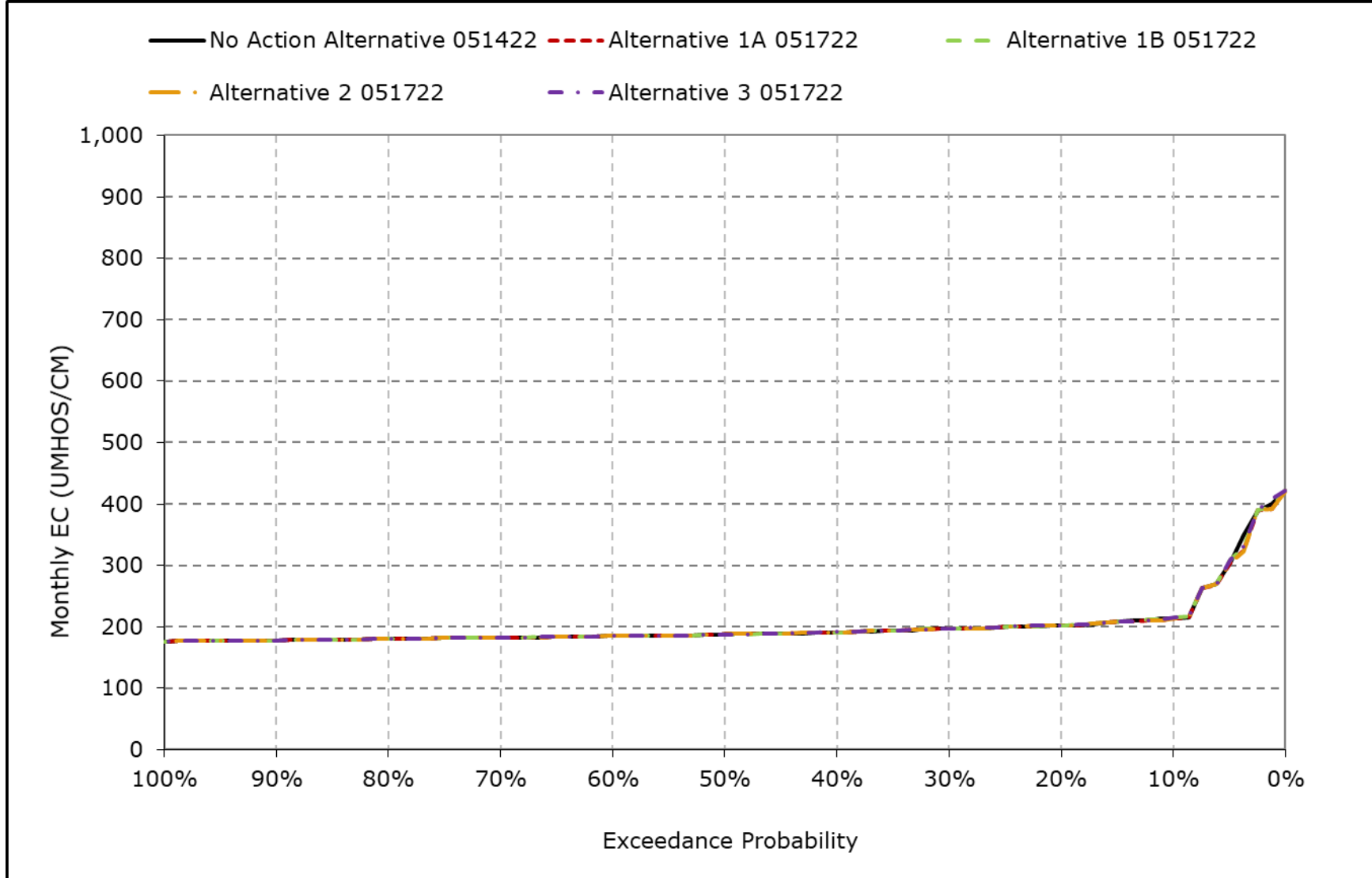
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-4-11. Sacramento River at Rio Vista Salinity, May EC**



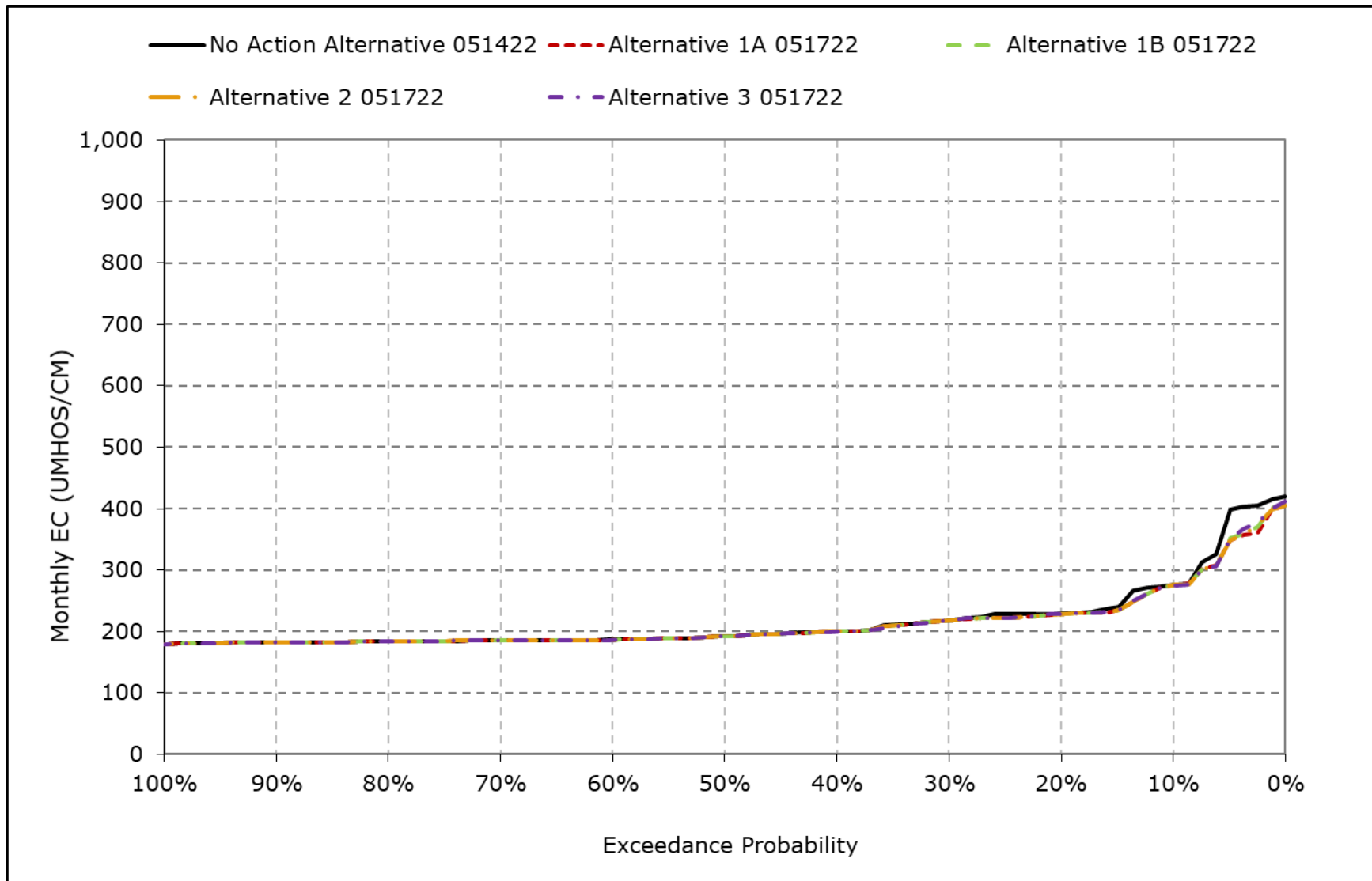
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-4-12. Sacramento River at Rio Vista Salinity, June EC**



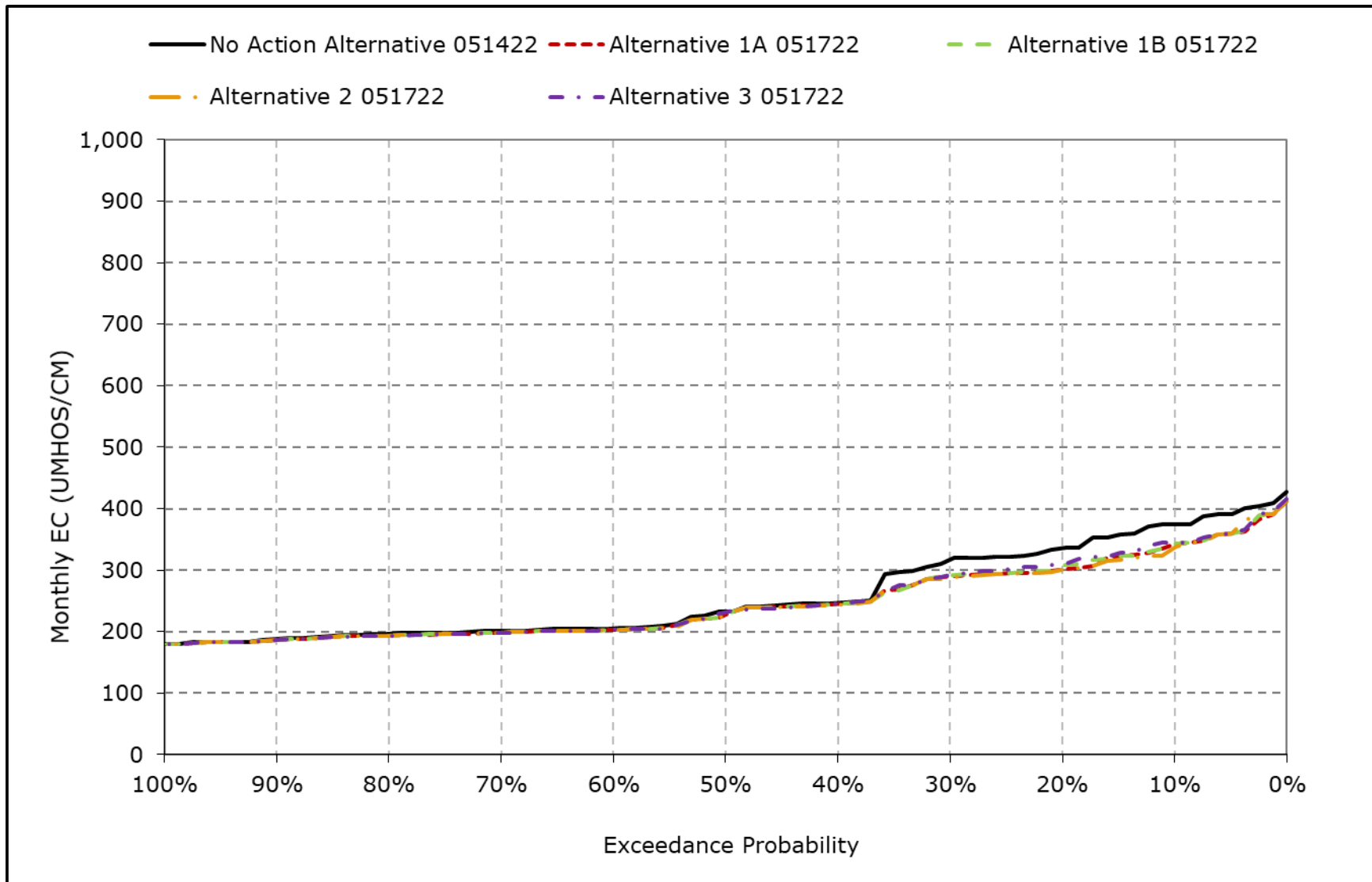
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-4-13. Sacramento River at Rio Vista Salinity, July EC**



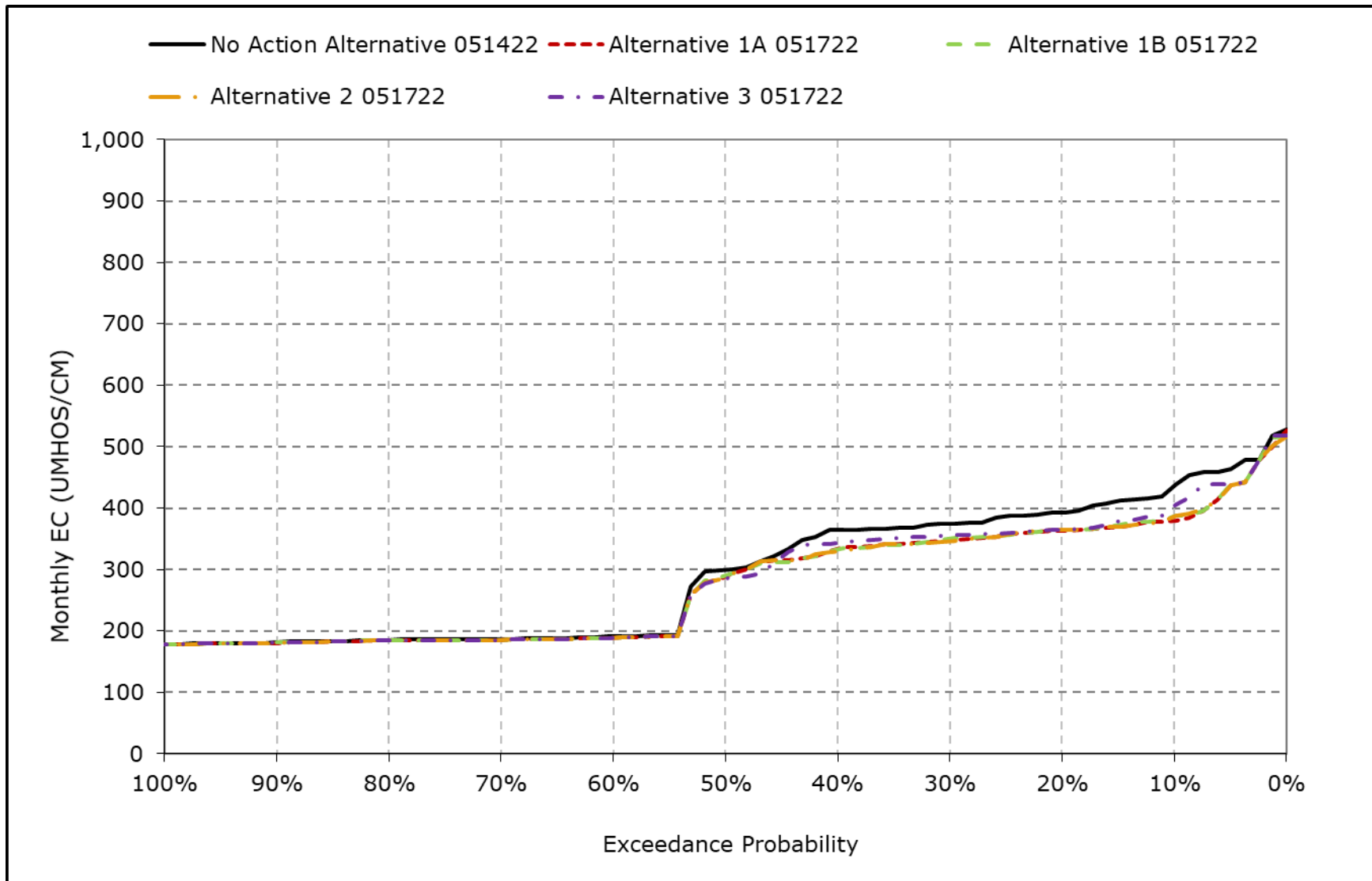
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-4-14. Sacramento River at Rio Vista Salinity, August EC**



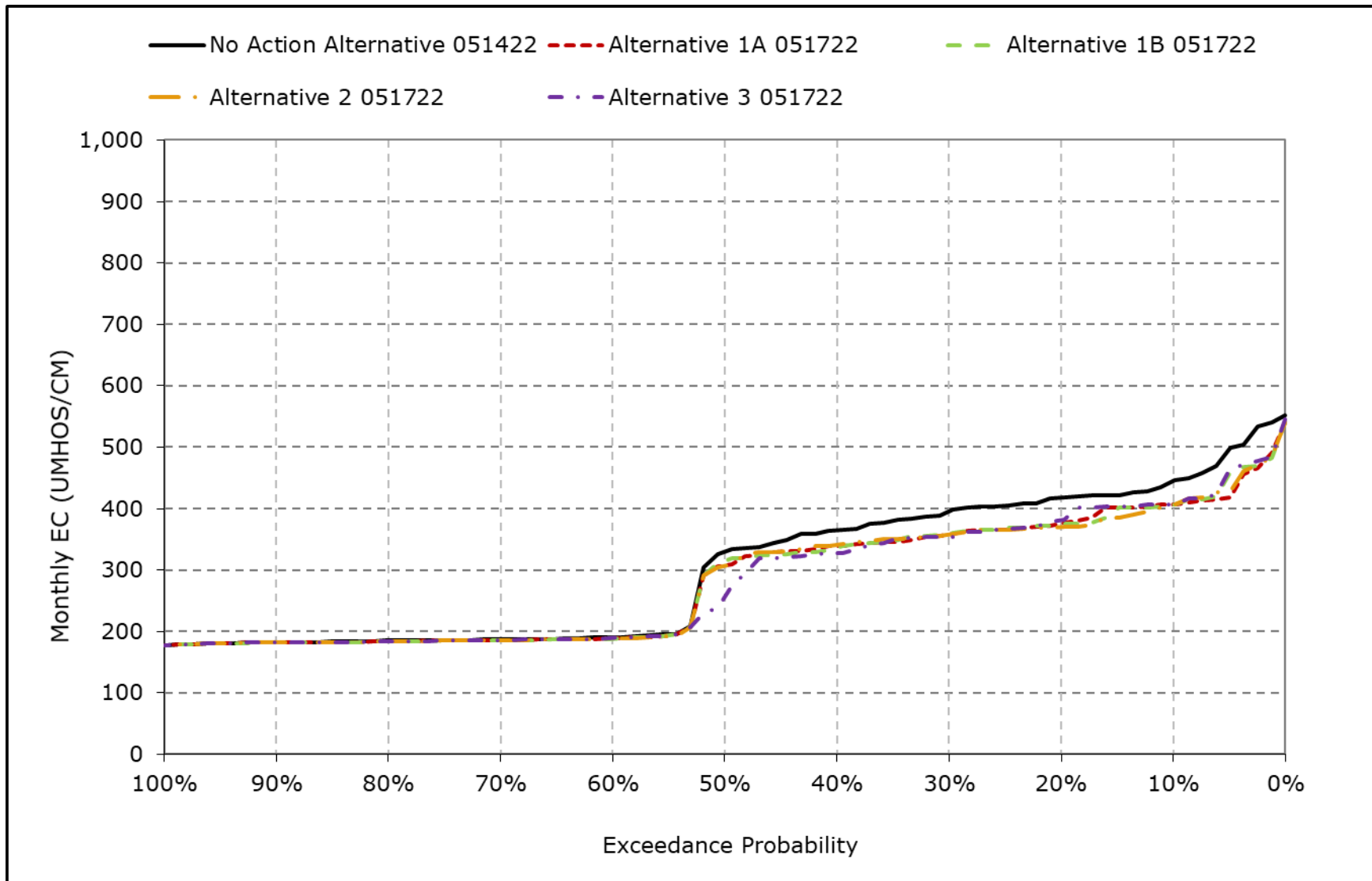
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-4-15. Sacramento River at Rio Vista Salinity, September EC**



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

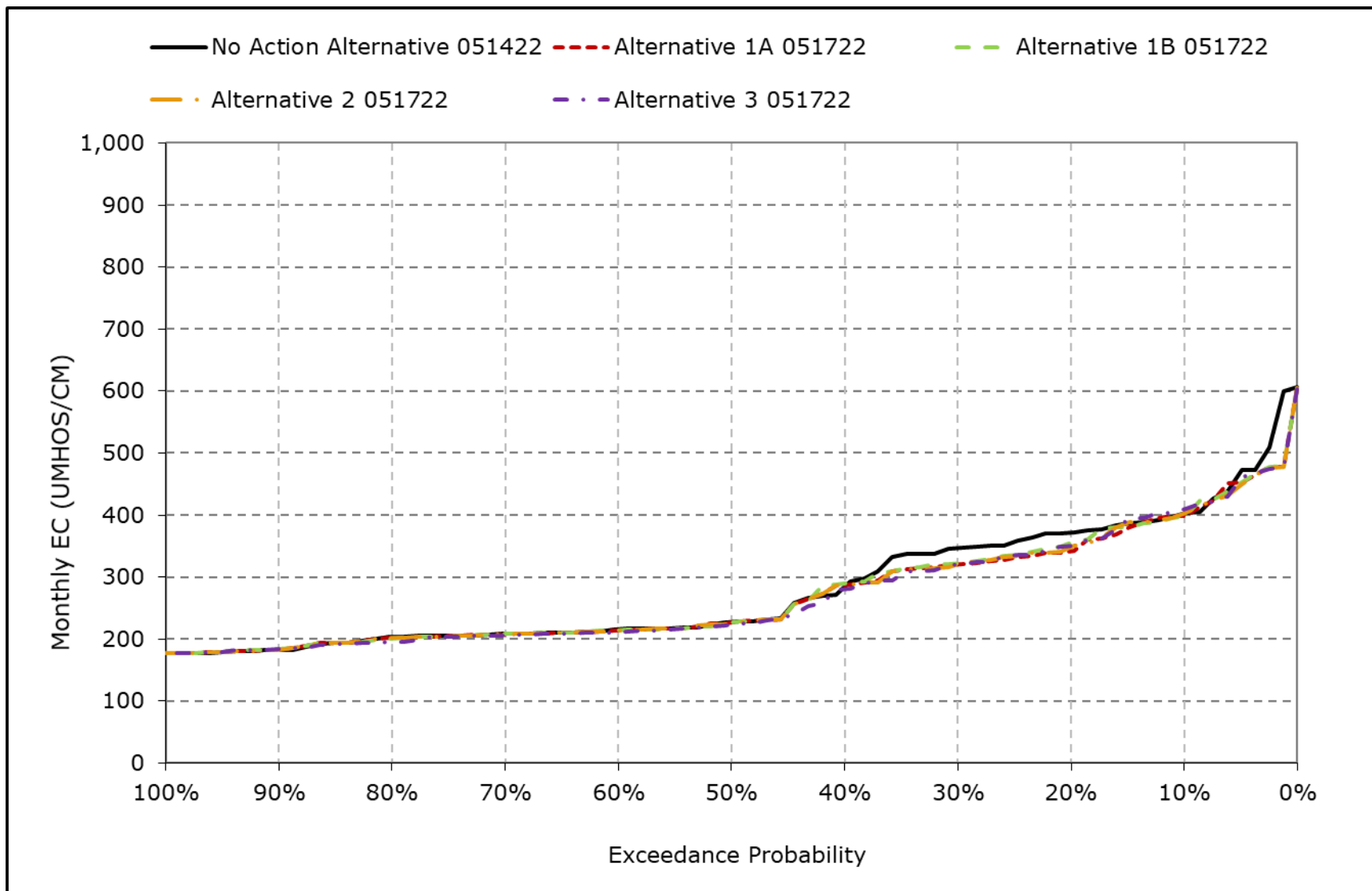
**Figure 6B1-4-16. Sacramento River at Rio Vista Salinity, October EC**



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

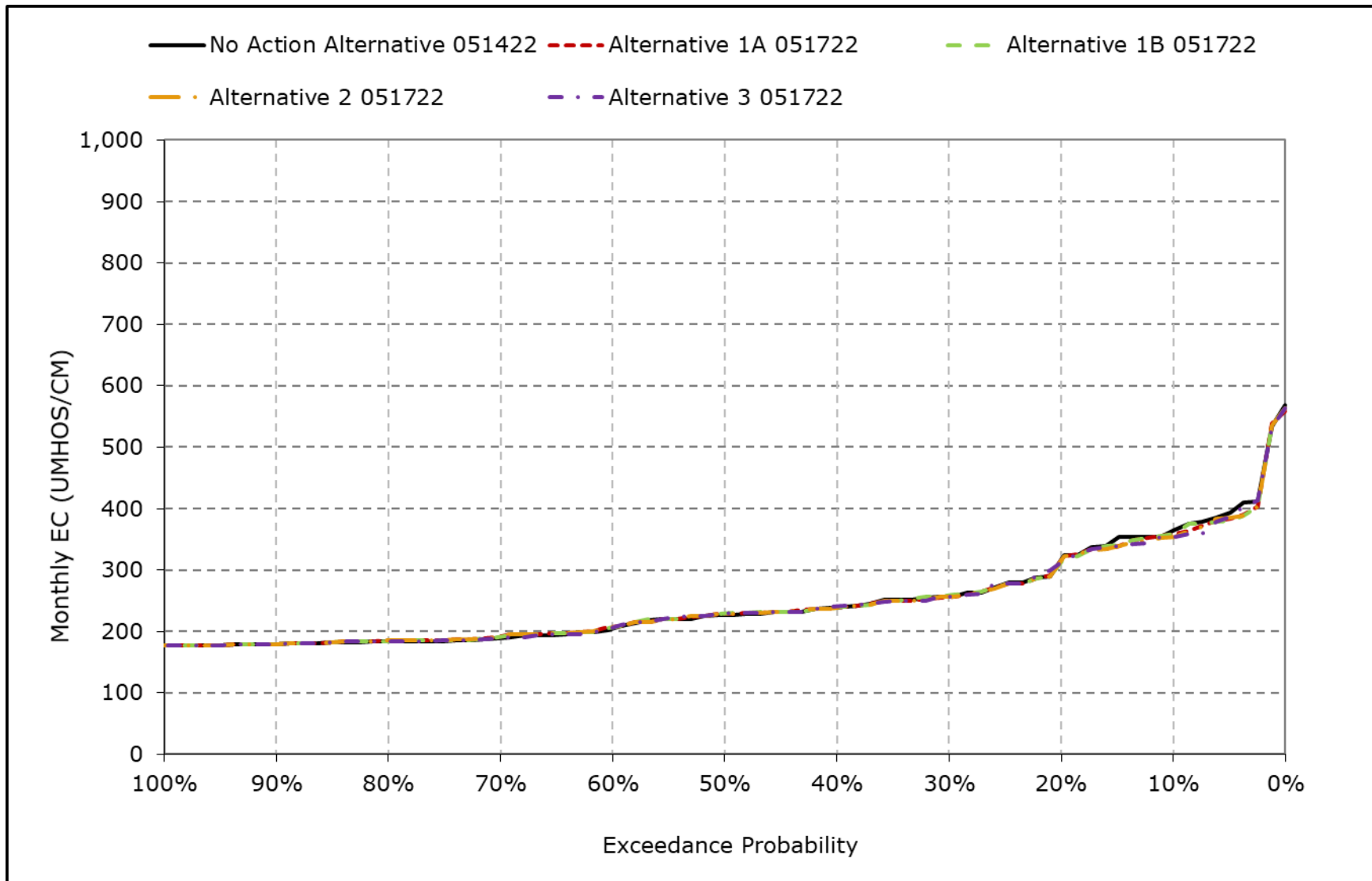


**Figure 6B1-4-17. Sacramento River at Rio Vista Salinity, November EC**



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

**Figure 6B1-4-18. Sacramento River at Rio Vista Salinity, December EC**



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

**Table 6B1-5-1a. Sacramento River at Emmaton, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	3,287	2,810	2,416	1,054	347	343	380	577	807	1,507	2,577	3,121
<b>20% Exceedance</b>	2,977	2,640	1,772	818	265	236	248	448	679	1,021	2,090	2,838
<b>30% Exceedance</b>	2,875	2,358	1,182	626	222	197	210	315	601	839	1,940	2,673
<b>40% Exceedance</b>	2,632	1,722	926	326	207	194	199	223	465	554	1,203	2,501
<b>50% Exceedance</b>	2,115	983	763	269	194	189	192	202	368	445	993	1,689
<b>60% Exceedance</b>	491	794	516	213	188	186	187	190	278	358	711	425
<b>70% Exceedance</b>	420	691	274	195	185	183	184	185	240	326	633	397
<b>80% Exceedance</b>	329	565	227	188	183	181	182	180	192	302	593	368
<b>90% Exceedance</b>	298	283	184	182	182	181	180	178	181	270	465	290
<b>Full Simulation Period Average<sup>a</sup></b>	1,712	1,494	999	487	251	227	238	342	539	722	1,272	1,608
<b>Wet Water Years (32%)</b>	350	567	624	211	183	183	184	189	225	285	535	337
<b>Above Normal Years (15%)</b>	470	819	720	307	195	184	187	191	303	333	624	390
<b>Below Normal Years (17%)</b>	2,380	1,541	986	435	207	200	207	241	404	492	1,111	2,104
<b>Dry Water Years (22%)</b>	2,992	2,224	1,226	653	291	239	246	355	593	916	1,993	2,761
<b>Critical Water Years (15%)</b>	3,204	3,030	1,766	1,076	445	378	432	923	1,531	2,035	2,622	3,268

**Table 6B1-5-1b. Sacramento River at Emmaton, Alternative 1A 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	2,980	2,738	2,287	1,130	347	345	384	576	812	1,504	2,136	2,725
<b>20% Exceedance</b>	2,716	2,325	1,761	812	267	236	247	451	681	936	1,830	2,454
<b>30% Exceedance</b>	2,493	2,101	1,187	600	220	198	212	322	599	789	1,685	2,377
<b>40% Exceedance</b>	2,385	1,726	920	342	210	195	199	223	464	553	1,182	2,229
<b>50% Exceedance</b>	1,877	940	740	272	195	190	192	202	367	445	993	1,556
<b>60% Exceedance</b>	445	786	526	217	189	186	187	190	277	357	667	397
<b>70% Exceedance</b>	402	674	293	196	185	184	184	185	240	326	602	367
<b>80% Exceedance</b>	323	573	239	189	183	182	182	180	192	302	549	341
<b>90% Exceedance</b>	285	292	184	183	182	181	180	179	181	270	435	280
<b>Full Simulation Period Average<sup>a</sup></b>	1,557	1,419	987	488	253	228	239	340	535	691	1,153	1,456
<b>Wet Water Years (32%)</b>	333	564	628	212	184	183	184	190	225	285	503	316
<b>Above Normal Years (15%)</b>	442	800	723	311	196	185	187	191	302	331	585	365
<b>Below Normal Years (17%)</b>	2,184	1,464	973	418	207	200	208	241	404	492	1,069	1,971
<b>Dry Water Years (22%)</b>	2,599	1,998	1,184	663	294	240	246	352	591	865	1,743	2,441
<b>Critical Water Years (15%)</b>	3,030	2,970	1,747	1,084	454	381	434	910	1,510	1,901	2,345	2,943

**Table 6B1-5-1c. Sacramento River at Emmaton, Alternative 1A 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-307	-72	-129	76	0	3	4	-1	5	-3	-442	-396
<b>20% Exceedance</b>	-260	-315	-11	-5	2	0	-1	3	2	-85	-260	-383
<b>30% Exceedance</b>	-381	-257	5	-26	-2	0	1	6	-2	-50	-255	-296
<b>40% Exceedance</b>	-248	3	-5	16	3	1	0	0	-1	-1	-20	-272
<b>50% Exceedance</b>	-237	-43	-23	3	0	0	0	0	0	0	0	-133
<b>60% Exceedance</b>	-46	-8	10	4	0	0	0	0	0	-2	-44	-28
<b>70% Exceedance</b>	-19	-17	19	1	0	0	0	0	0	0	-30	-30
<b>80% Exceedance</b>	-7	8	12	1	0	0	0	0	0	0	-44	-27
<b>90% Exceedance</b>	-13	9	0	0	0	0	0	0	0	0	-30	-10
<b>Full Simulation Period Average<sup>a</sup></b>	-155	-75	-12	1	2	1	1	-2	-4	-31	-118	-151
<b>Wet Water Years (32%)</b>	-17	-3	4	1	0	0	0	1	0	0	-32	-21
<b>Above Normal Years (15%)</b>	-29	-20	3	4	1	0	0	0	-1	-2	-38	-26
<b>Below Normal Years (17%)</b>	-196	-78	-13	-18	0	0	1	0	0	0	-41	-134
<b>Dry Water Years (22%)</b>	-393	-226	-41	9	3	1	0	-2	-2	-51	-249	-321
<b>Critical Water Years (15%)</b>	-174	-59	-19	8	8	4	3	-14	-21	-134	-277	-325

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-5-2a. Sacramento River at Emmaton, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	3,287	2,810	2,416	1,054	347	343	380	577	807	1,507	2,577	3,121
<b>20% Exceedance</b>	2,977	2,640	1,772	818	265	236	248	448	679	1,021	2,090	2,838
<b>30% Exceedance</b>	2,875	2,358	1,182	626	222	197	210	315	601	839	1,940	2,673
<b>40% Exceedance</b>	2,632	1,722	926	326	207	194	199	223	465	554	1,203	2,501
<b>50% Exceedance</b>	2,115	983	763	269	194	189	192	202	368	445	993	1,689
<b>60% Exceedance</b>	491	794	516	213	188	186	187	190	278	358	711	425
<b>70% Exceedance</b>	420	691	274	195	185	183	184	185	240	326	633	397
<b>80% Exceedance</b>	329	565	227	188	183	181	182	180	192	302	593	368
<b>90% Exceedance</b>	298	283	184	182	182	181	180	178	181	270	465	290
<b>Full Simulation Period Average<sup>a</sup></b>	1,712	1,494	999	487	251	227	238	342	539	722	1,272	1,608
<b>Wet Water Years (32%)</b>	350	567	624	211	183	183	184	189	225	285	535	337
<b>Above Normal Years (15%)</b>	470	819	720	307	195	184	187	191	303	333	624	390
<b>Below Normal Years (17%)</b>	2,380	1,541	986	435	207	200	207	241	404	492	1,111	2,104
<b>Dry Water Years (22%)</b>	2,992	2,224	1,226	653	291	239	246	355	593	916	1,993	2,761
<b>Critical Water Years (15%)</b>	3,204	3,030	1,766	1,076	445	378	432	923	1,531	2,035	2,622	3,268

**Table 6B1-5-2b. Sacramento River at Emmaton, Alternative 1B 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	3,034	2,725	2,287	1,130	347	346	391	584	813	1,504	2,138	2,738
<b>20% Exceedance</b>	2,693	2,419	1,759	809	270	236	250	451	682	936	1,868	2,506
<b>30% Exceedance</b>	2,492	2,147	1,195	599	220	198	212	338	584	795	1,691	2,379
<b>40% Exceedance</b>	2,369	1,792	921	343	206	195	199	224	475	552	1,181	2,224
<b>50% Exceedance</b>	1,941	912	742	272	196	189	192	202	371	444	988	1,560
<b>60% Exceedance</b>	444	787	544	220	190	186	187	190	277	356	670	397
<b>70% Exceedance</b>	398	679	292	196	185	184	184	185	240	324	602	366
<b>80% Exceedance</b>	306	573	239	189	183	182	182	180	192	302	547	346
<b>90% Exceedance</b>	286	291	184	183	182	181	180	179	181	270	436	289
<b>Full Simulation Period Average<sup>a</sup></b>	1,558	1,428	987	488	253	227	239	340	537	692	1,158	1,460
<b>Wet Water Years (32%)</b>	333	566	632	212	184	183	184	188	223	285	503	317
<b>Above Normal Years (15%)</b>	437	797	720	311	196	185	187	191	305	332	586	362
<b>Below Normal Years (17%)</b>	2,193	1,447	966	435	207	200	207	242	406	492	1,068	1,974
<b>Dry Water Years (22%)</b>	2,576	2,042	1,191	647	295	240	246	352	593	866	1,759	2,438
<b>Critical Water Years (15%)</b>	3,065	2,984	1,744	1,084	452	379	436	913	1,519	1,907	2,355	2,963

**Table 6B1-5-2c. Sacramento River at Emmaton, Alternative 1B 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-253	-85	-129	76	0	3	11	6	6	-3	-440	-383
<b>20% Exceedance</b>	-284	-221	-14	-8	5	0	2	3	3	-85	-222	-332
<b>30% Exceedance</b>	-382	-211	13	-27	-2	0	1	22	-17	-44	-250	-294
<b>40% Exceedance</b>	-264	70	-5	16	-1	1	0	1	10	-2	-22	-277
<b>50% Exceedance</b>	-174	-71	-21	3	1	0	0	0	4	-1	-5	-129
<b>60% Exceedance</b>	-47	-7	27	7	1	0	0	0	0	-2	-41	-28
<b>70% Exceedance</b>	-22	-12	17	1	0	1	0	0	0	-2	-31	-30
<b>80% Exceedance</b>	-23	8	12	1	0	0	0	0	0	0	-46	-23
<b>90% Exceedance</b>	-11	8	0	0	0	0	0	0	0	0	-29	-1
<b>Full Simulation Period Average<sup>a</sup></b>	-154	-67	-12	1	2	0	1	-2	-2	-30	-114	-148
<b>Wet Water Years (32%)</b>	-17	-1	8	1	0	0	0	-1	-2	0	-32	-20
<b>Above Normal Years (15%)</b>	-33	-23	1	4	1	0	0	0	1	-1	-38	-28
<b>Below Normal Years (17%)</b>	-187	-94	-20	0	1	0	0	0	3	-1	-43	-130
<b>Dry Water Years (22%)</b>	-416	-182	-34	-6	4	1	0	-2	0	-50	-234	-323
<b>Critical Water Years (15%)</b>	-140	-46	-22	8	7	1	4	-11	-12	-127	-267	-305

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-5-3a. Sacramento River at Emmaton, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	3,287	2,810	2,416	1,054	347	343	380	577	807	1,507	2,577	3,121
<b>20% Exceedance</b>	2,977	2,640	1,772	818	265	236	248	448	679	1,021	2,090	2,838
<b>30% Exceedance</b>	2,875	2,358	1,182	626	222	197	210	315	601	839	1,940	2,673
<b>40% Exceedance</b>	2,632	1,722	926	326	207	194	199	223	465	554	1,203	2,501
<b>50% Exceedance</b>	2,115	983	763	269	194	189	192	202	368	445	993	1,689
<b>60% Exceedance</b>	491	794	516	213	188	186	187	190	278	358	711	425
<b>70% Exceedance</b>	420	691	274	195	185	183	184	185	240	326	633	397
<b>80% Exceedance</b>	329	565	227	188	183	181	182	180	192	302	593	368
<b>90% Exceedance</b>	298	283	184	182	182	181	180	178	181	270	465	290
<b>Full Simulation Period Average<sup>a</sup></b>	1,712	1,494	999	487	251	227	238	342	539	722	1,272	1,608
<b>Wet Water Years (32%)</b>	350	567	624	211	183	183	184	189	225	285	535	337
<b>Above Normal Years (15%)</b>	470	819	720	307	195	184	187	191	303	333	624	390
<b>Below Normal Years (17%)</b>	2,380	1,541	986	435	207	200	207	241	404	492	1,111	2,104
<b>Dry Water Years (22%)</b>	2,992	2,224	1,226	653	291	239	246	355	593	916	1,993	2,761
<b>Critical Water Years (15%)</b>	3,204	3,030	1,766	1,076	445	378	432	923	1,531	2,035	2,622	3,268

**Table 6B1-5-3b. Sacramento River at Emmaton, Alternative 2 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	2,887	2,729	2,277	1,026	347	345	384	577	812	1,504	2,137	2,802
<b>20% Exceedance</b>	2,717	2,324	1,761	813	269	236	247	451	681	940	1,831	2,495
<b>30% Exceedance</b>	2,492	2,127	1,188	599	220	198	212	322	599	788	1,670	2,350
<b>40% Exceedance</b>	2,408	1,726	920	342	210	195	199	223	464	553	1,173	2,226
<b>50% Exceedance</b>	1,865	935	738	272	195	189	192	202	367	446	993	1,556
<b>60% Exceedance</b>	445	786	526	218	189	186	187	190	277	357	663	395
<b>70% Exceedance</b>	397	672	293	196	185	184	184	185	240	326	602	367
<b>80% Exceedance</b>	321	573	238	189	183	182	182	180	192	302	549	341
<b>90% Exceedance</b>	285	281	184	183	182	181	180	178	181	270	435	279
<b>Full Simulation Period Average<sup>a</sup></b>	1,555	1,420	985	487	253	228	239	340	535	691	1,149	1,456
<b>Wet Water Years (32%)</b>	332	563	628	212	184	183	184	190	225	285	503	316
<b>Above Normal Years (15%)</b>	435	795	722	311	196	185	187	191	302	331	581	362
<b>Below Normal Years (17%)</b>	2,182	1,459	972	418	207	200	208	241	404	492	1,061	1,972
<b>Dry Water Years (22%)</b>	2,602	2,008	1,186	656	292	240	246	352	591	865	1,751	2,451
<b>Critical Water Years (15%)</b>	3,026	2,975	1,737	1,083	452	382	435	910	1,510	1,905	2,317	2,925

**Table 6B1-5-3c. Sacramento River at Emmaton, Alternative 2 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-400	-81	-139	-28	0	3	4	-1	5	-3	-440	-319
<b>20% Exceedance</b>	-260	-316	-11	-4	4	0	-1	3	2	-81	-259	-343
<b>30% Exceedance</b>	-382	-231	7	-27	-2	0	1	6	-2	-51	-270	-323
<b>40% Exceedance</b>	-224	3	-5	16	3	1	0	0	-1	-1	-29	-276
<b>50% Exceedance</b>	-250	-48	-25	3	0	0	0	0	0	1	0	-133
<b>60% Exceedance</b>	-46	-8	10	5	0	0	0	0	0	-1	-48	-30
<b>70% Exceedance</b>	-23	-19	19	1	0	1	0	0	0	0	-31	-30
<b>80% Exceedance</b>	-8	8	12	1	0	0	0	0	0	0	-44	-27
<b>90% Exceedance</b>	-13	-2	0	0	0	0	0	0	0	0	-30	-11
<b>Full Simulation Period Average<sup>a</sup></b>	-156	-75	-14	0	2	1	1	-2	-4	-30	-123	-152
<b>Wet Water Years (32%)</b>	-18	-4	3	1	0	0	0	1	0	0	-32	-21
<b>Above Normal Years (15%)</b>	-36	-24	2	4	1	0	0	0	-1	-2	-43	-28
<b>Below Normal Years (17%)</b>	-198	-82	-14	-17	0	0	1	0	0	0	-50	-133
<b>Dry Water Years (22%)</b>	-390	-216	-40	3	2	1	0	-2	-2	-51	-242	-310
<b>Critical Water Years (15%)</b>	-178	-55	-29	7	7	4	3	-13	-21	-130	-305	-343

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-5-4a. Sacramento River at Emmaton, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	3,287	2,810	2,416	1,054	347	343	380	577	807	1,507	2,577	3,121
<b>20% Exceedance</b>	2,977	2,640	1,772	818	265	236	248	448	679	1,021	2,090	2,838
<b>30% Exceedance</b>	2,875	2,358	1,182	626	222	197	210	315	601	839	1,940	2,673
<b>40% Exceedance</b>	2,632	1,722	926	326	207	194	199	223	465	554	1,203	2,501
<b>50% Exceedance</b>	2,115	983	763	269	194	189	192	202	368	445	993	1,689
<b>60% Exceedance</b>	491	794	516	213	188	186	187	190	278	358	711	425
<b>70% Exceedance</b>	420	691	274	195	185	183	184	185	240	326	633	397
<b>80% Exceedance</b>	329	565	227	188	183	181	182	180	192	302	593	368
<b>90% Exceedance</b>	298	283	184	182	182	181	180	178	181	270	465	290
<b>Full Simulation Period Average<sup>a</sup></b>	1,712	1,494	999	487	251	227	238	342	539	722	1,272	1,608
<b>Wet Water Years (32%)</b>	350	567	624	211	183	183	184	189	225	285	535	337
<b>Above Normal Years (15%)</b>	470	819	720	307	195	184	187	191	303	333	624	390
<b>Below Normal Years (17%)</b>	2,380	1,541	986	435	207	200	207	241	404	492	1,111	2,104
<b>Dry Water Years (22%)</b>	2,992	2,224	1,226	653	291	239	246	355	593	916	1,993	2,761
<b>Critical Water Years (15%)</b>	3,204	3,030	1,766	1,076	445	378	432	923	1,531	2,035	2,622	3,268

**Table 6B1-5-4b. Sacramento River at Emmaton, Alternative 3 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	3,052	2,823	2,273	1,067	347	345	391	585	813	1,503	2,235	2,884
<b>20% Exceedance</b>	2,773	2,397	1,752	789	269	237	247	450	689	937	1,869	2,596
<b>30% Exceedance</b>	2,557	2,094	1,180	601	220	197	212	337	599	788	1,687	2,430
<b>40% Exceedance</b>	2,354	1,648	973	339	210	195	199	223	473	548	1,159	2,301
<b>50% Exceedance</b>	1,250	890	747	273	195	190	192	201	371	442	1,007	1,570
<b>60% Exceedance</b>	443	734	507	217	190	186	187	190	278	355	676	396
<b>70% Exceedance</b>	398	670	271	196	185	184	184	185	241	325	602	369
<b>80% Exceedance</b>	307	465	230	189	183	182	182	180	192	302	542	343
<b>90% Exceedance</b>	286	277	183	183	182	181	180	178	181	270	435	276
<b>Full Simulation Period Average<sup>a</sup></b>	1,536	1,398	980	489	252	227	239	339	539	693	1,170	1,492
<b>Wet Water Years (32%)</b>	338	569	631	212	184	183	184	188	224	285	502	317
<b>Above Normal Years (15%)</b>	430	755	725	318	197	185	187	189	306	332	581	363
<b>Below Normal Years (17%)</b>	1,926	1,267	945	422	208	201	207	241	410	491	1,071	1,993
<b>Dry Water Years (22%)</b>	2,655	2,072	1,201	663	292	239	246	353	595	862	1,780	2,474
<b>Critical Water Years (15%)</b>	3,102	2,979	1,701	1,073	445	376	435	913	1,526	1,917	2,406	3,107

**Table 6B1-5-4c. Sacramento River at Emmaton, Alternative 3 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-235	13	-143	13	0	2	11	8	6	-4	-342	-237
<b>20% Exceedance</b>	-203	-243	-21	-28	4	1	-1	1	10	-85	-221	-242
<b>30% Exceedance</b>	-317	-264	-2	-26	-2	0	1	22	-2	-51	-253	-244
<b>40% Exceedance</b>	-278	-74	48	13	3	1	0	0	8	-6	-44	-200
<b>50% Exceedance</b>	-865	-93	-15	4	0	0	0	0	4	-3	14	-119
<b>60% Exceedance</b>	-48	-60	-9	5	1	0	0	0	0	-3	-36	-29
<b>70% Exceedance</b>	-23	-21	-3	1	1	0	0	0	2	-1	-31	-28
<b>80% Exceedance</b>	-23	-100	4	1	0	0	0	0	0	0	-51	-25
<b>90% Exceedance</b>	-12	-6	-1	0	0	0	0	0	0	0	-30	-14
<b>Full Simulation Period Average<sup>a</sup></b>	-176	-97	-19	1	1	0	1	-3	1	-29	-102	-116
<b>Wet Water Years (32%)</b>	-11	2	6	1	0	0	0	-1	-1	0	-33	-20
<b>Above Normal Years (15%)</b>	-41	-65	5	11	1	0	0	-1	3	-1	-43	-28
<b>Below Normal Years (17%)</b>	-454	-275	-41	-13	1	1	0	-1	6	-1	-40	-112
<b>Dry Water Years (22%)</b>	-338	-152	-25	10	2	0	0	-2	2	-53	-212	-287
<b>Critical Water Years (15%)</b>	-102	-51	-64	-3	0	-1	3	-11	-5	-118	-216	-161

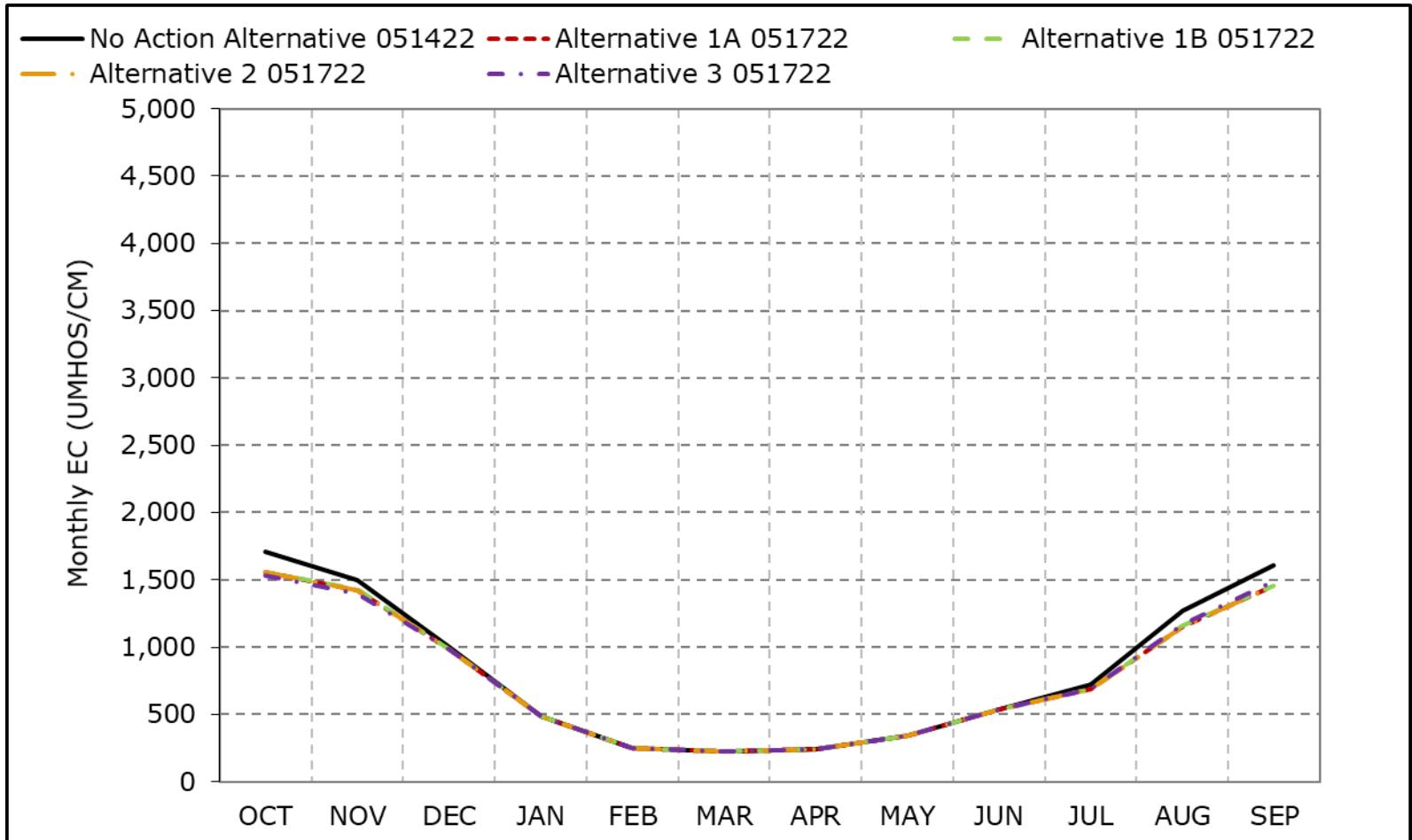
<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Figure 6B1-5-1. Sacramento River at Emmaton, Long-Term Average EC**

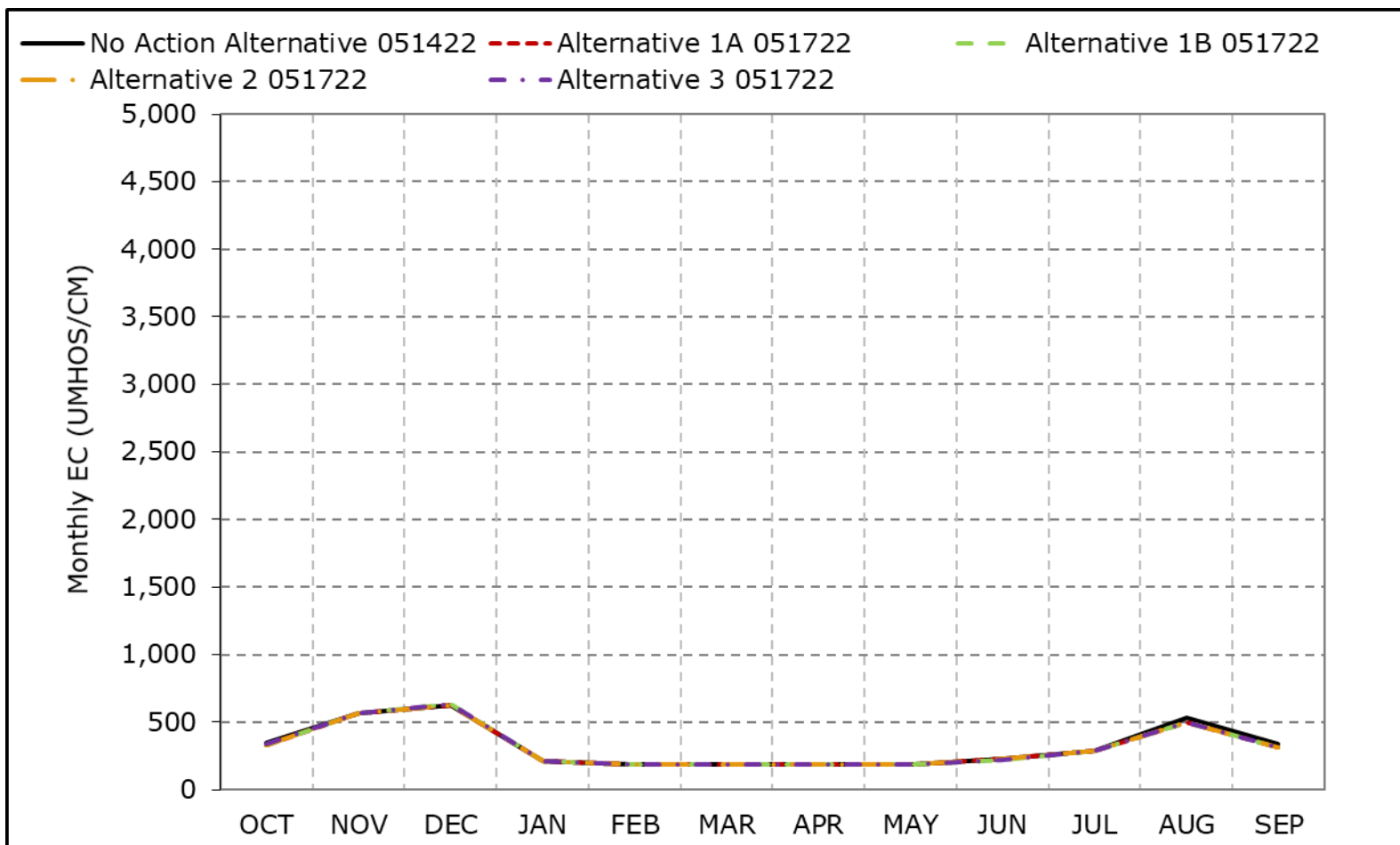


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-5-2. Sacramento River at Emmaton, Wet Year Average EC**



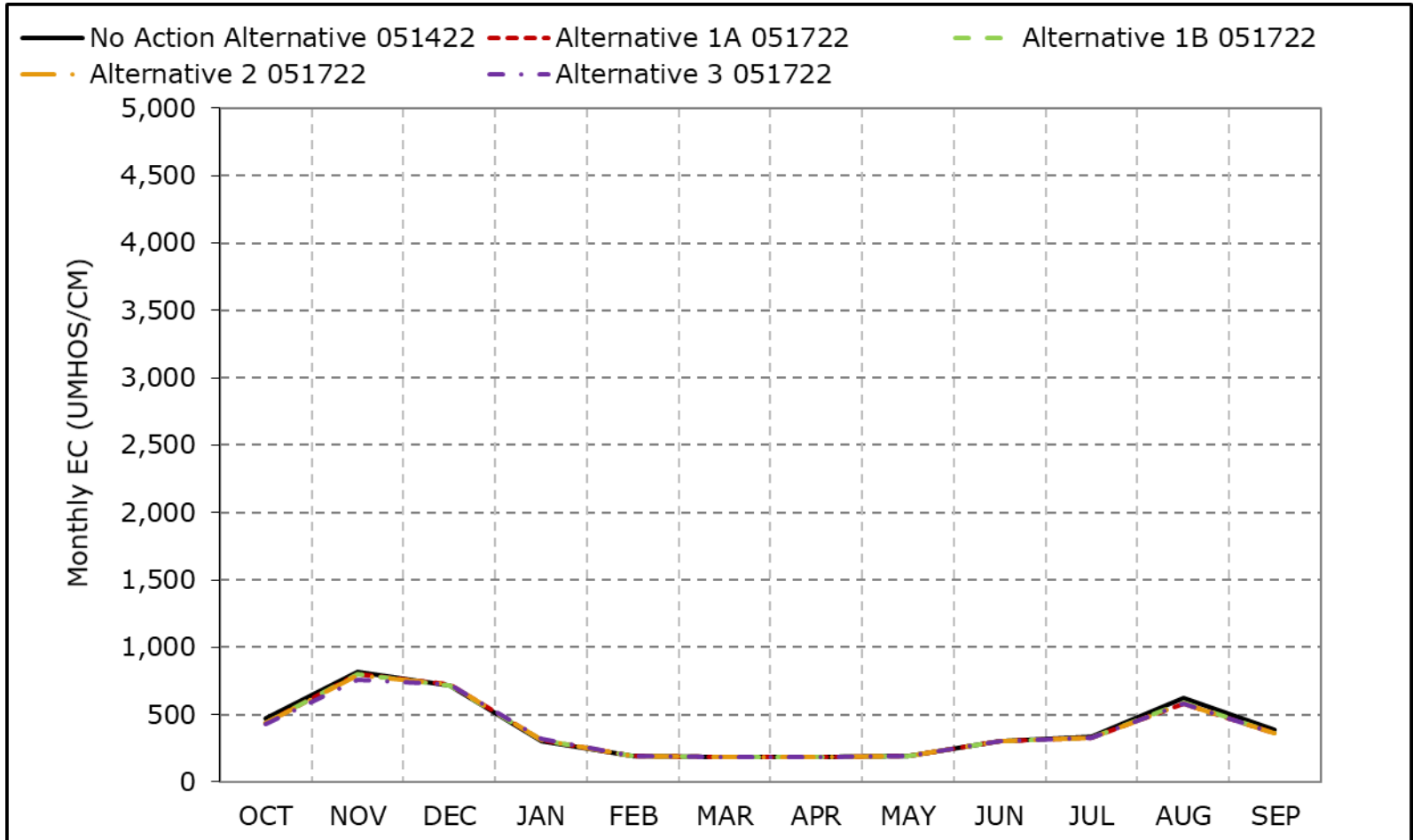
\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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



**Figure 6B1-5-3. Sacramento River at Emmaton, Above Normal Year Average EC**

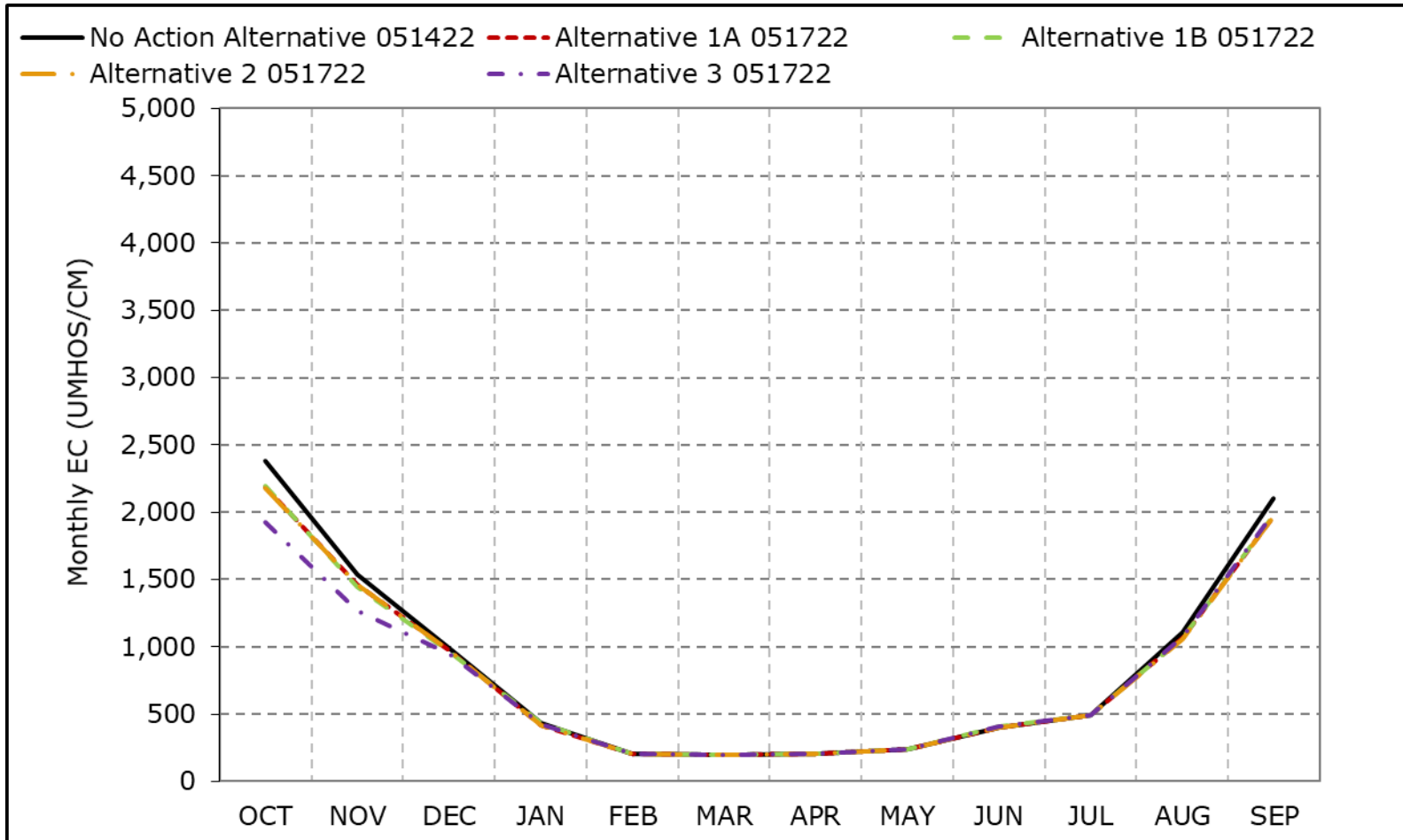


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-5-4. Sacramento River at Emmaton, Below Normal Year Average EC**

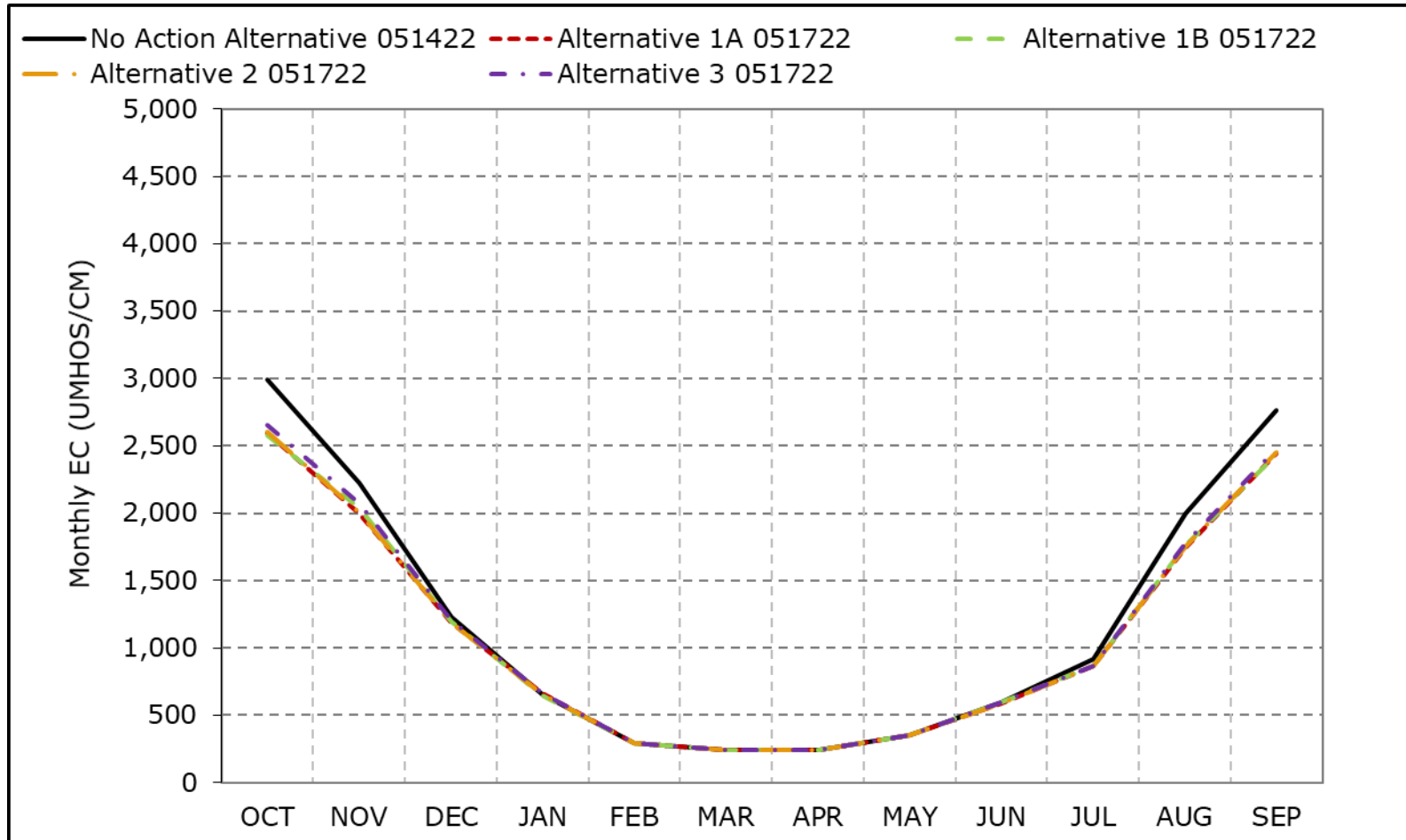


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-5-5. Sacramento River at Emmaton, Dry Year Average EC**

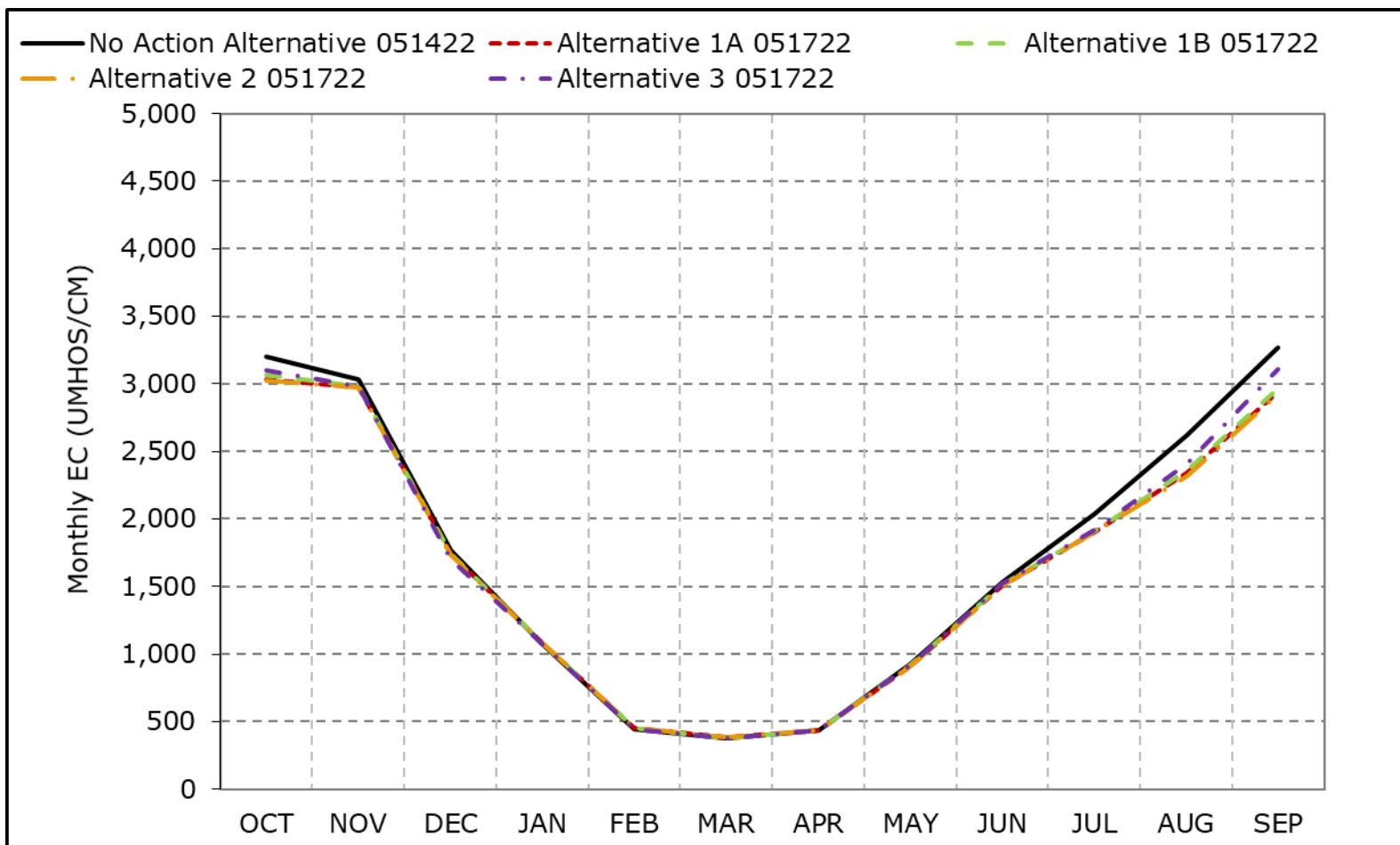


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-5-6. Sacramento River at Emmaton, Critical Year Average EC**

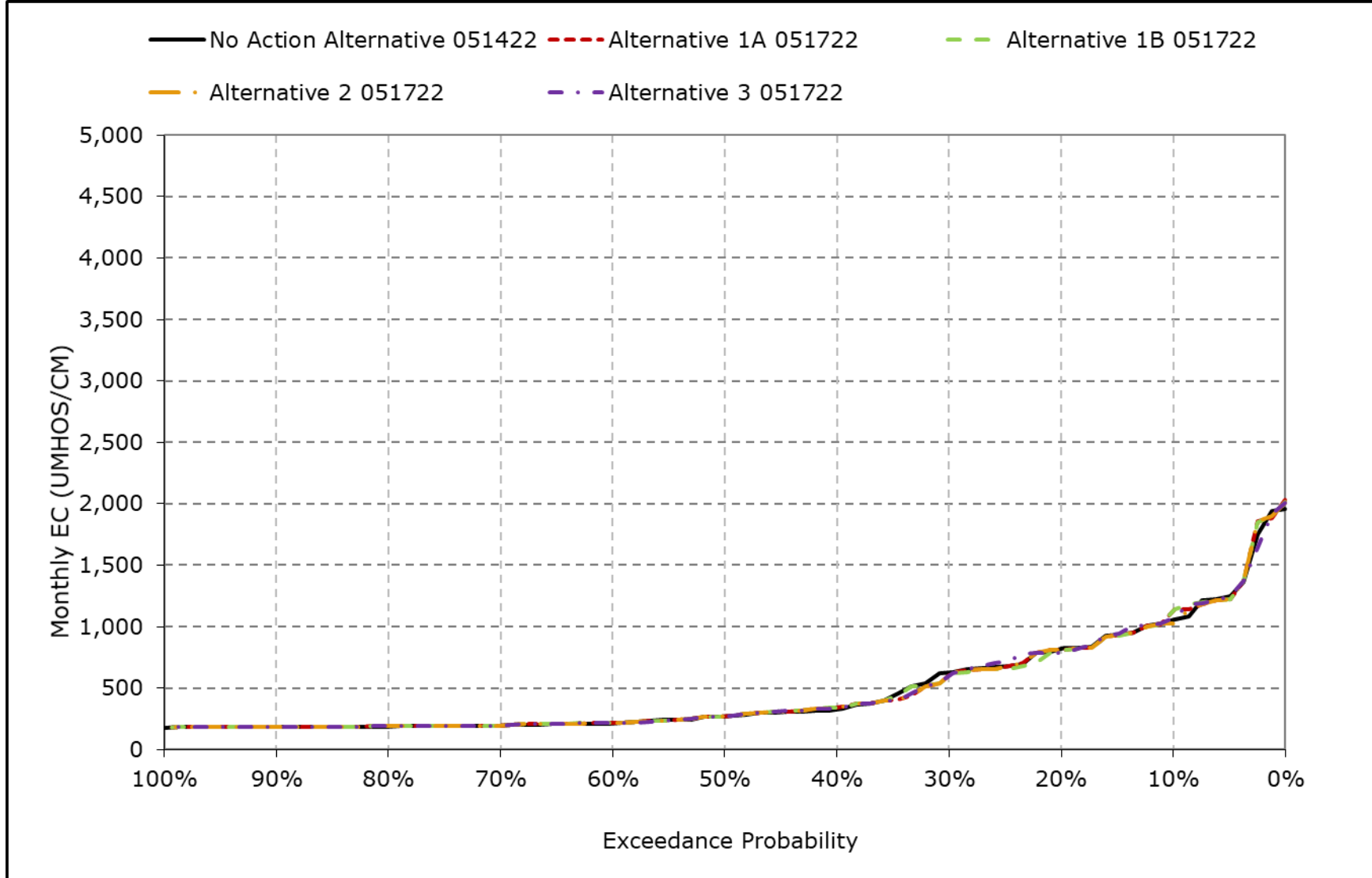


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

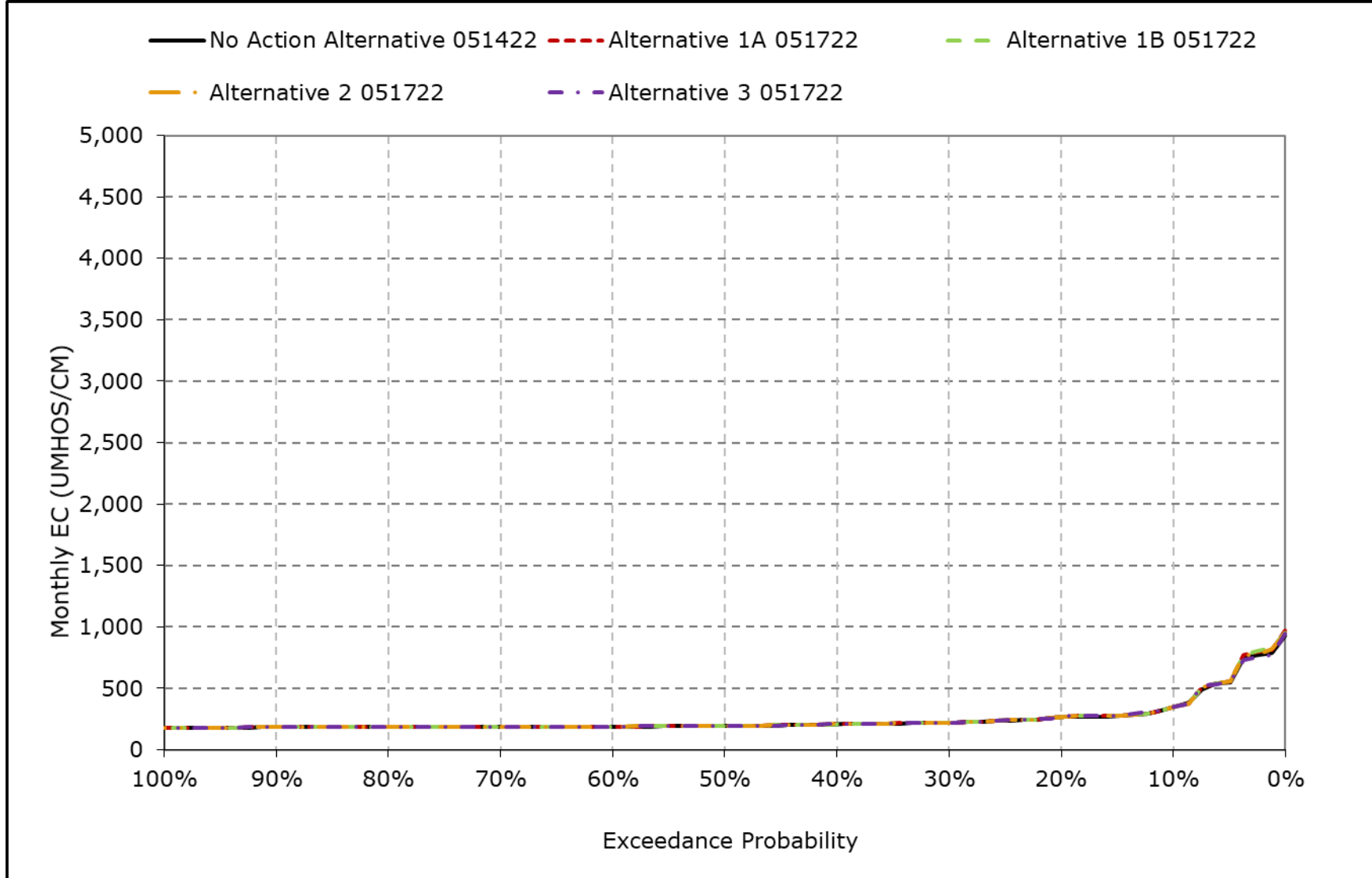
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-5-7. Sacramento River at Emmaton Salinity, January EC**



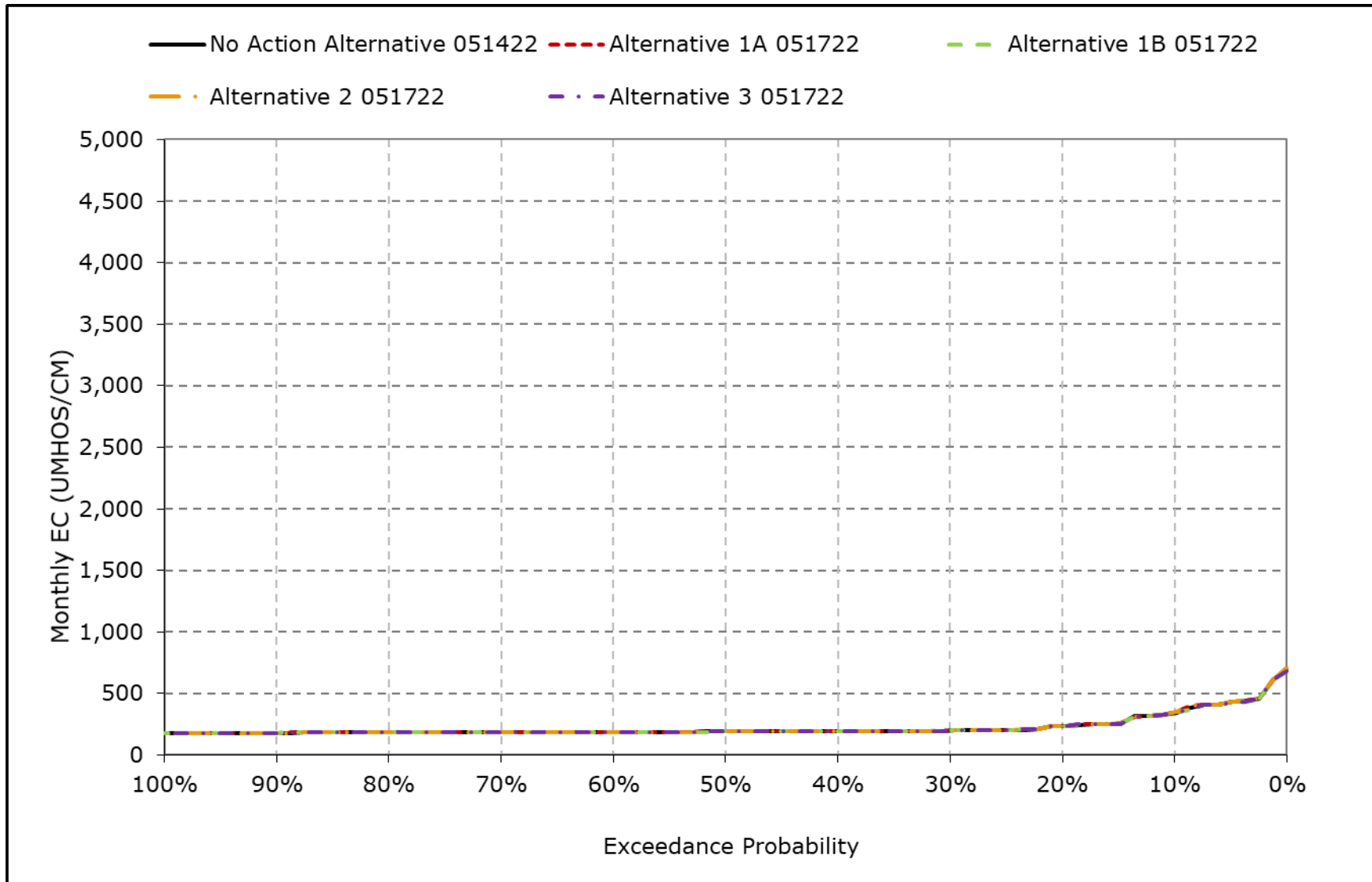
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-5-8. Sacramento River at Emmaton Salinity, February EC**



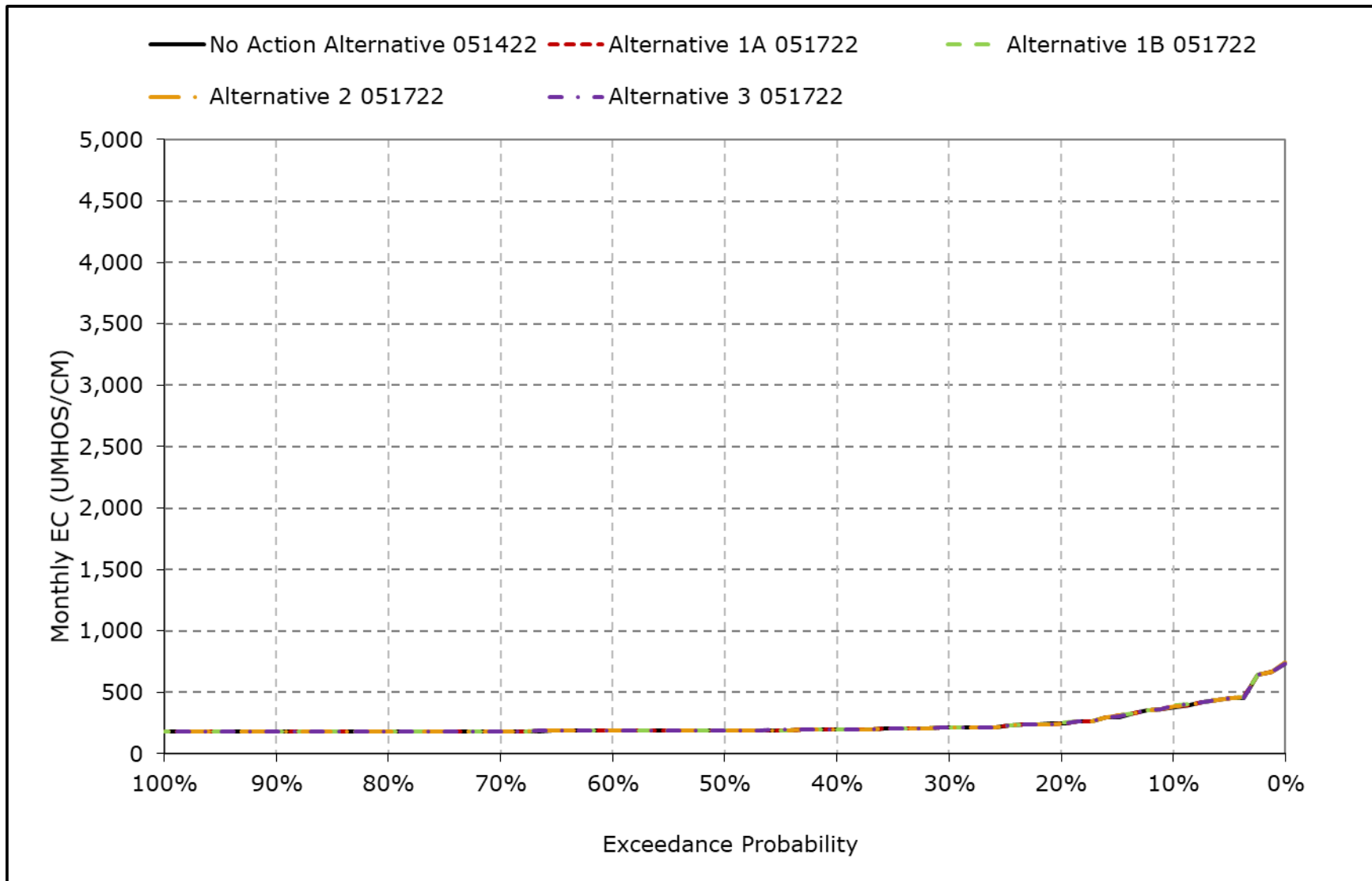
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-5-9. Sacramento River at Emmaton Salinity, March EC**



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

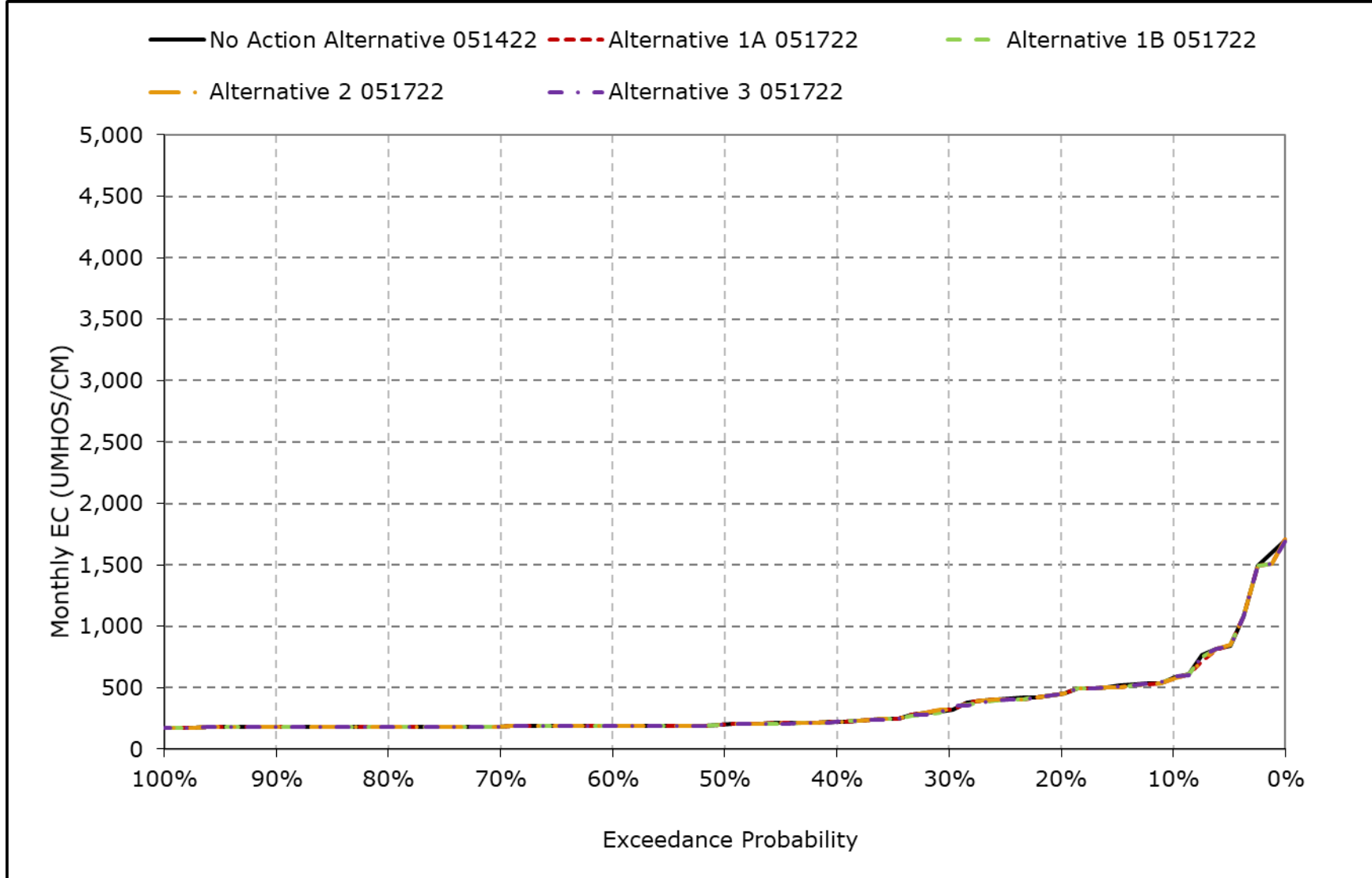
**Figure 6B1-5-10. Sacramento River at Emmaton Salinity, April EC**



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

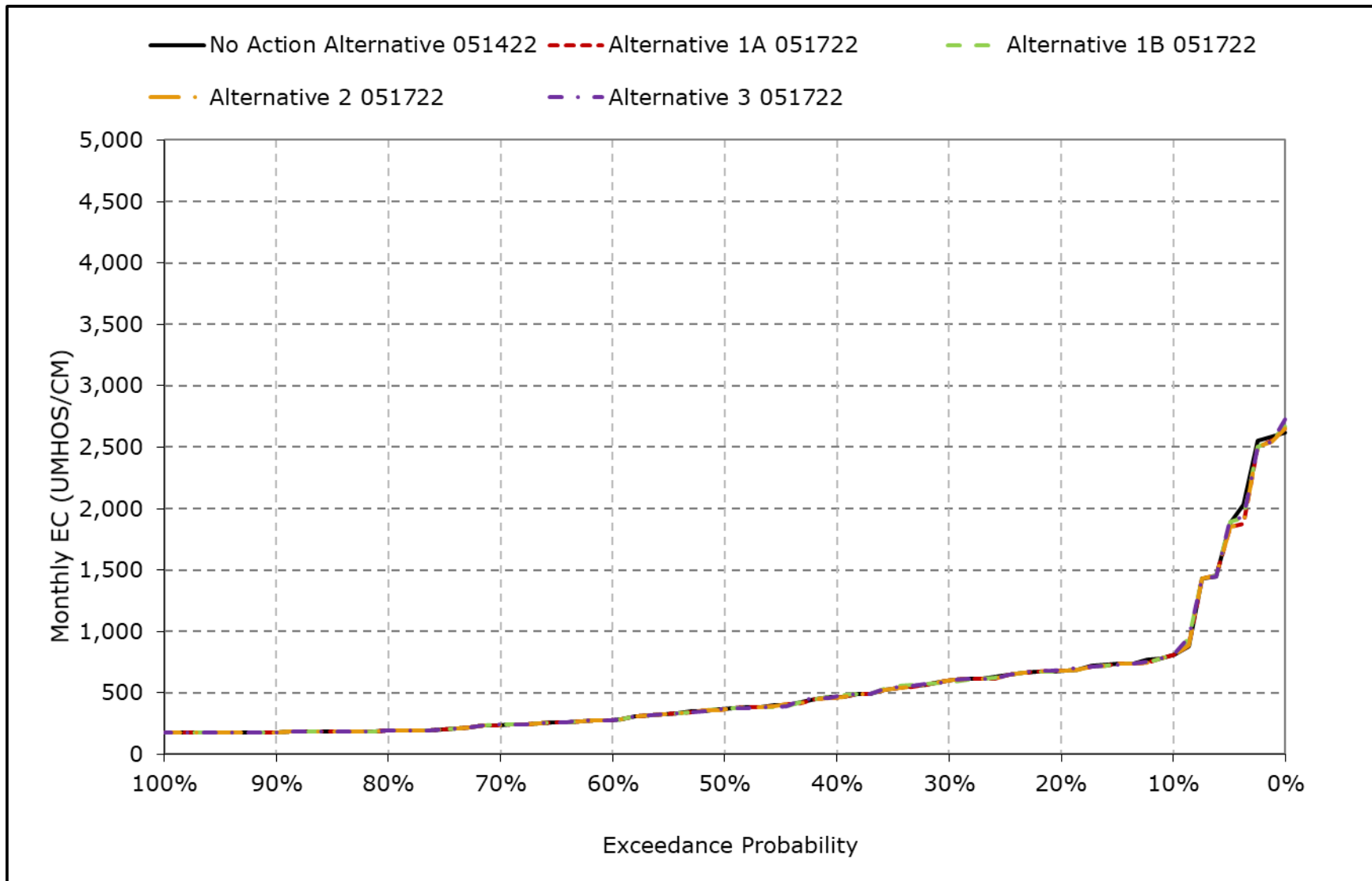


**Figure 6B1-5-11. Sacramento River at Emmaton Salinity, May EC**



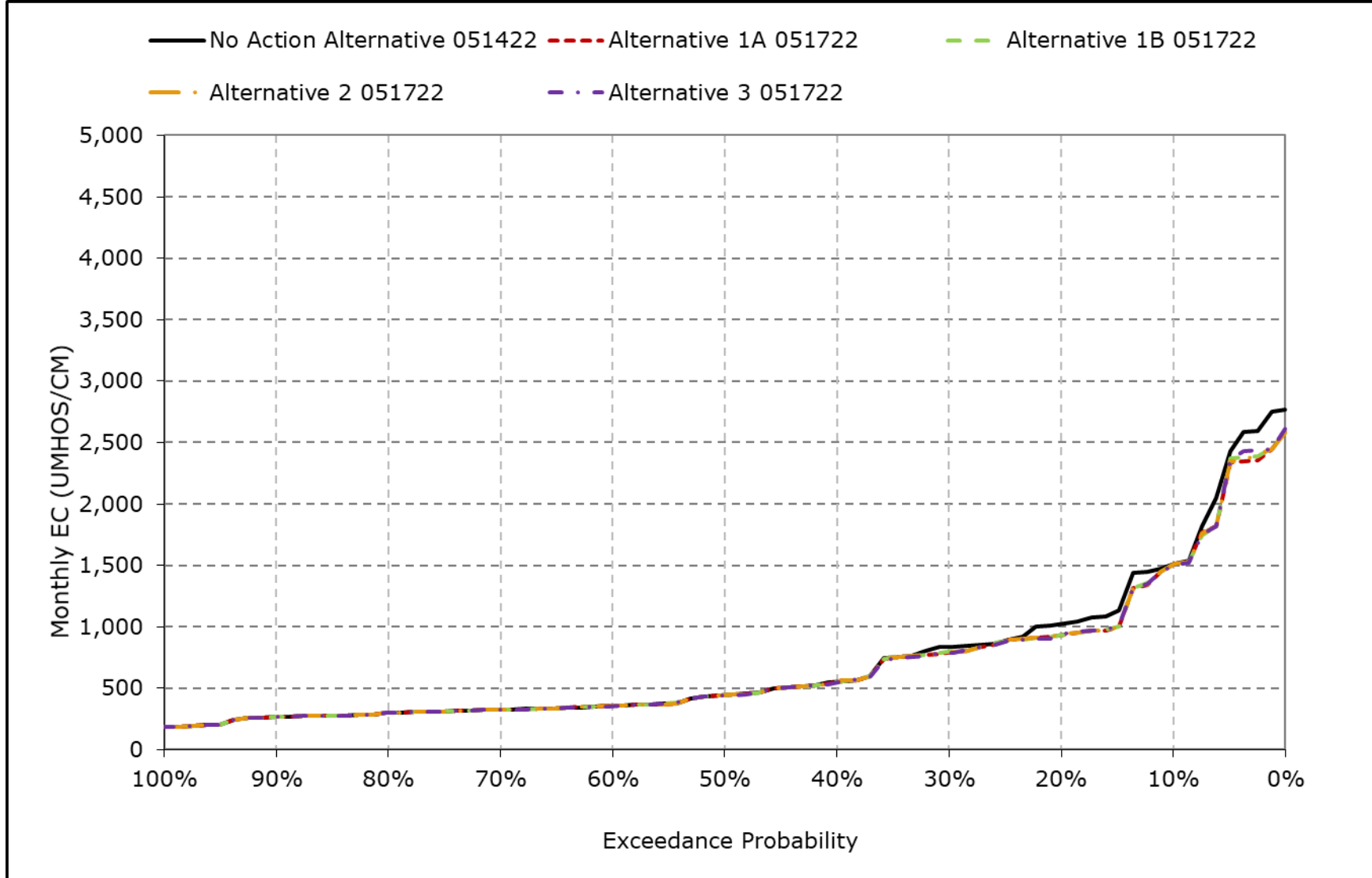
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-5-12. Sacramento River at Emmaton Salinity, June EC**



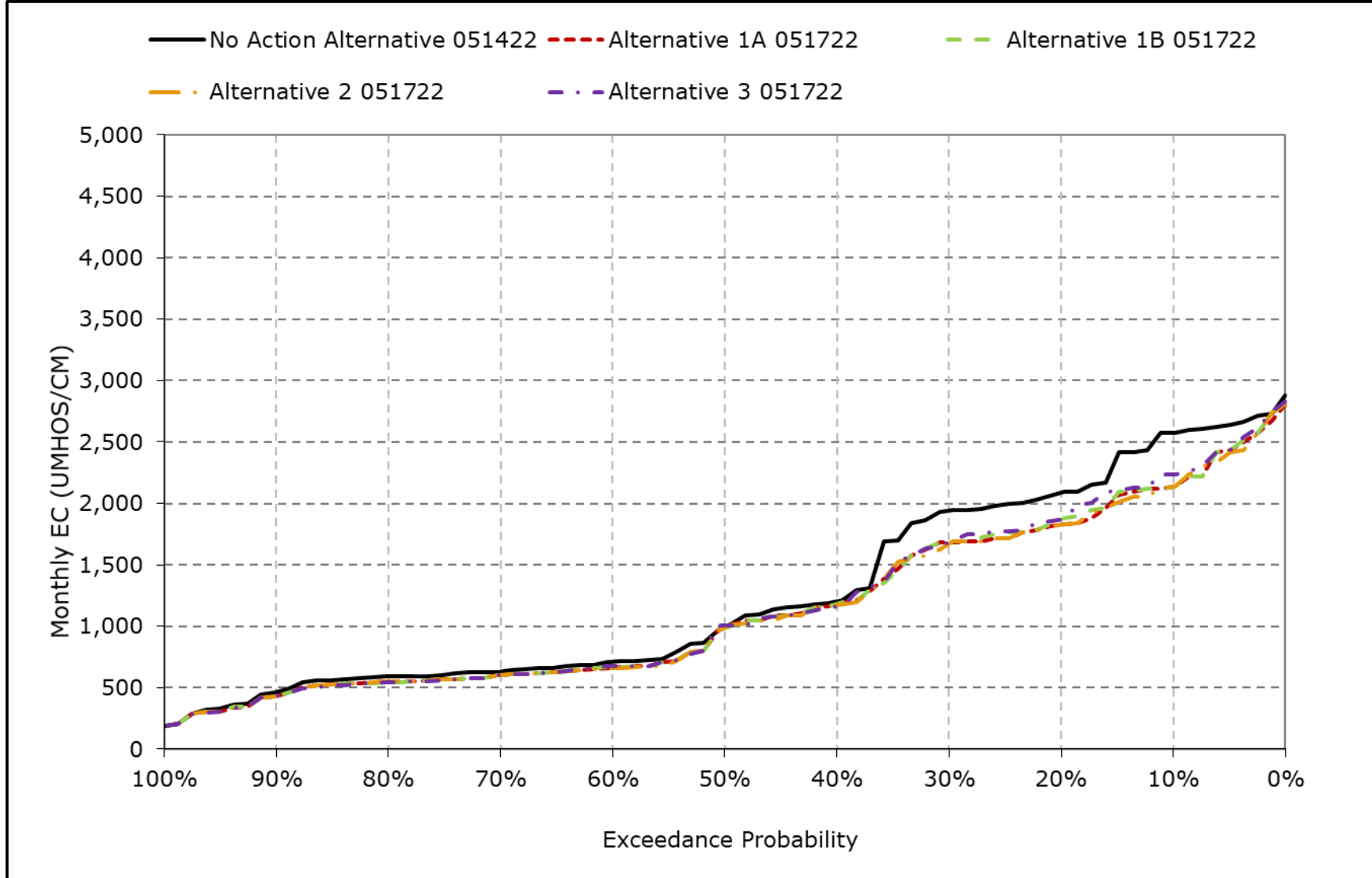
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-5-13. Sacramento River at Emmaton Salinity, July EC**



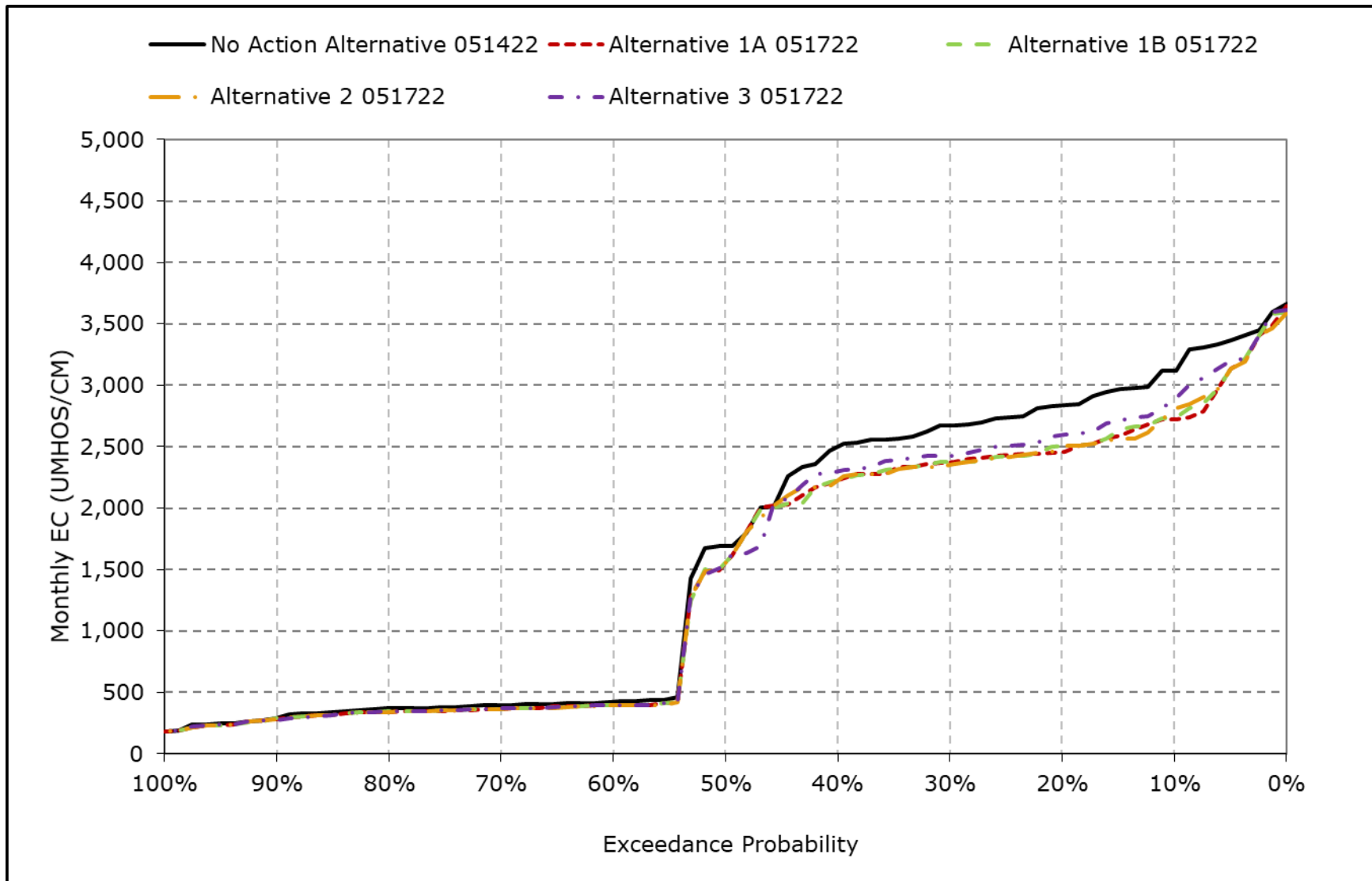
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-5-14. Sacramento River at Emmaton Salinity, August EC**



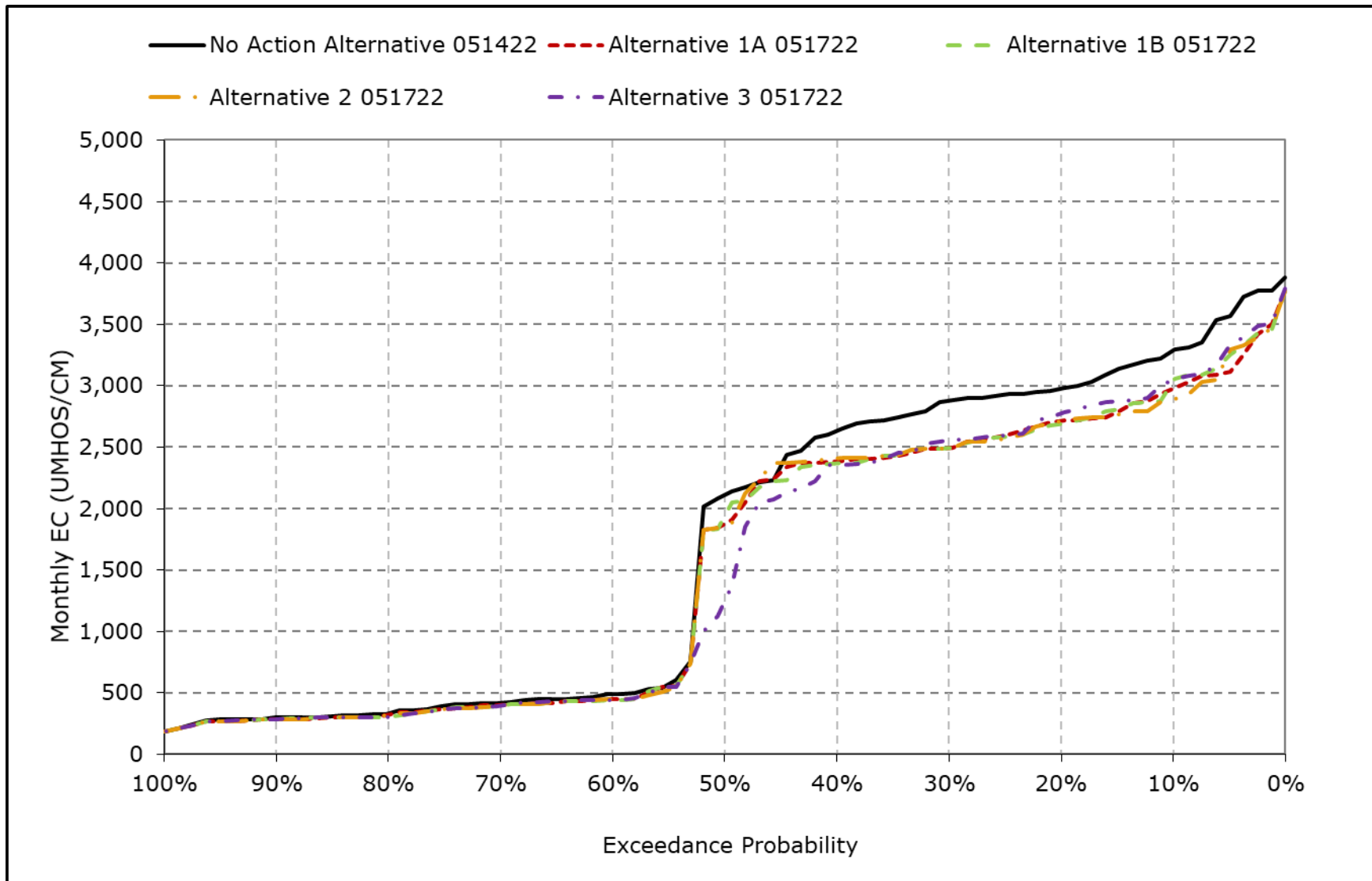
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-5-15. Sacramento River at Emmaton Salinity, September EC**



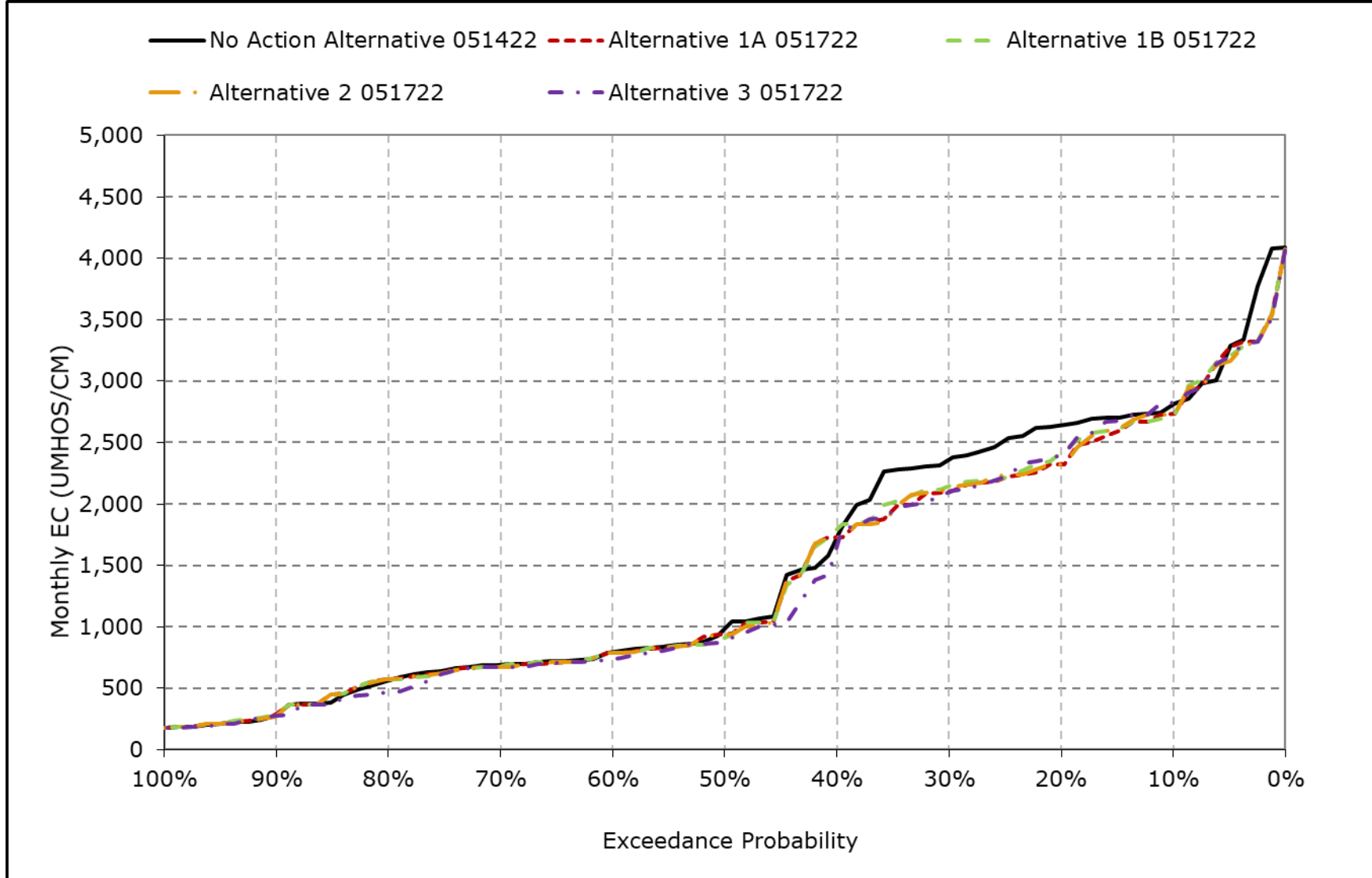
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-5-16. Sacramento River at Emmaton Salinity, October EC**



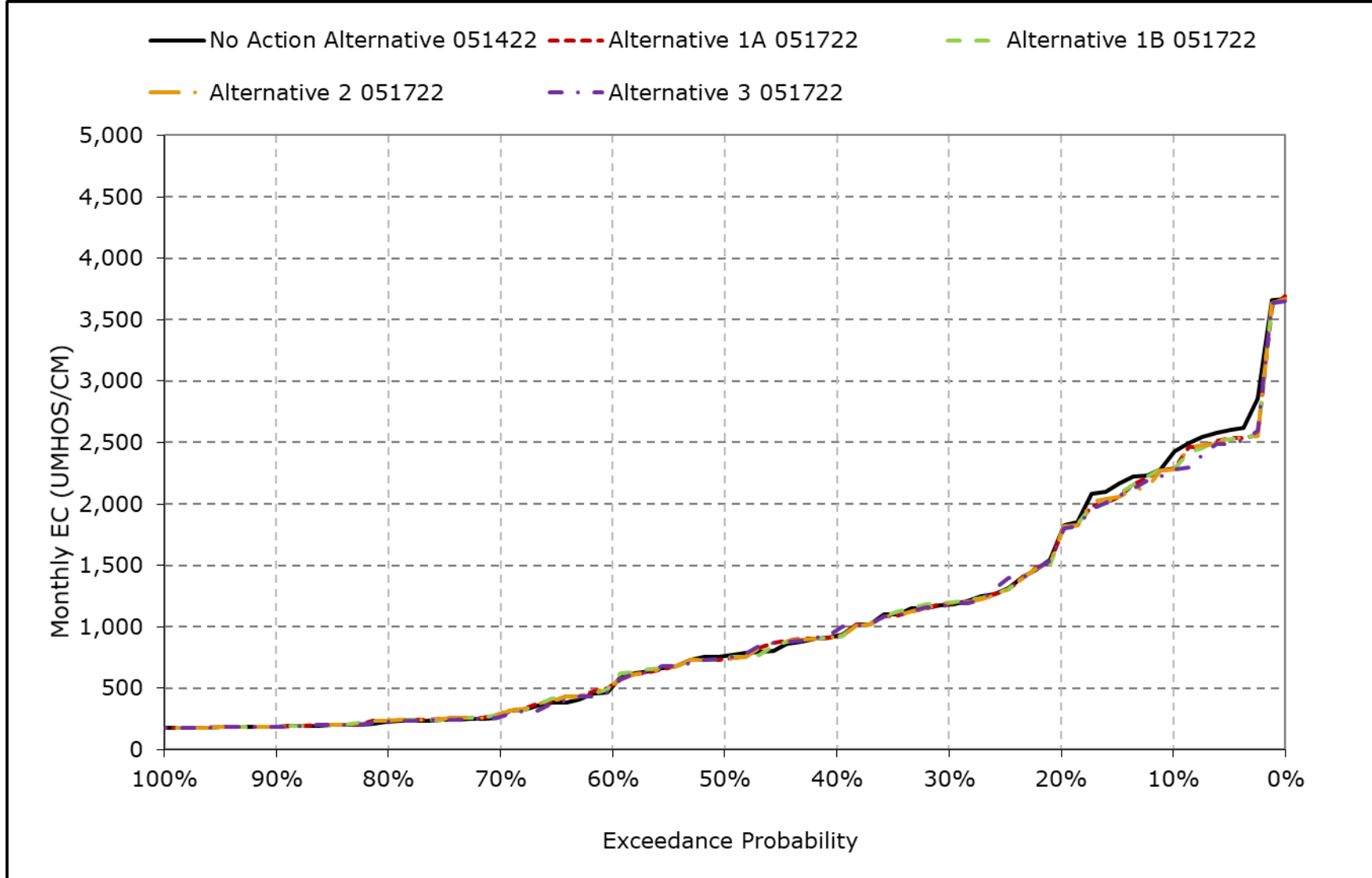
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-5-17. Sacramento River at Emmaton Salinity, November EC**



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

**Figure 6B1-5-18. Sacramento River at Emmaton Salinity, December EC**



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



**Table 6B1-6-1a. Sacramento River at Collinsville, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	10,124	9,632	9,094	5,501	2,185	2,123	2,482	3,421	4,248	5,948	8,255	9,578
<b>20% Exceedance</b>	9,803	9,408	7,483	4,522	1,192	1,008	1,038	2,617	3,900	5,257	7,279	9,104
<b>30% Exceedance</b>	9,576	9,080	6,177	3,723	668	377	598	1,992	3,342	4,808	7,017	8,860
<b>40% Exceedance</b>	9,071	7,727	5,244	1,582	358	291	443	896	2,505	3,669	6,003	8,503
<b>50% Exceedance</b>	8,044	5,125	4,355	1,054	301	233	297	557	2,058	2,977	5,452	7,338
<b>60% Exceedance</b>	2,692	4,235	3,234	477	211	206	223	348	1,474	2,305	4,163	2,657
<b>70% Exceedance</b>	2,498	3,876	1,010	226	197	194	209	256	1,074	2,067	3,913	2,545
<b>80% Exceedance</b>	1,979	3,415	641	199	192	189	193	194	462	1,725	3,688	2,403
<b>90% Exceedance</b>	1,765	1,213	264	189	187	187	186	183	197	1,238	3,070	2,004
<b>Full Simulation Period Average<sup>a</sup></b>	6,055	5,946	4,323	2,147	827	658	782	1,381	2,400	3,463	5,372	5,781
<b>Wet Water Years (32%)</b>	1,972	3,034	3,114	403	199	197	219	327	718	1,485	3,266	2,129
<b>Above Normal Years (15%)</b>	2,640	4,212	3,564	1,105	288	201	238	370	1,403	2,082	3,839	2,493
<b>Below Normal Years (17%)</b>	8,453	6,343	4,033	2,094	462	417	477	889	2,146	3,208	5,681	7,985
<b>Dry Water Years (22%)</b>	9,789	8,341	4,945	3,404	1,264	831	1,002	1,916	3,399	4,935	7,120	8,916
<b>Critical Water Years (15%)</b>	9,916	9,931	7,105	5,146	2,496	2,136	2,571	4,445	5,839	7,219	8,484	9,707

**Table 6B1-6-1b. Sacramento River at Collinsville, Alternative 1A 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	9,773	9,533	8,876	5,721	2,184	2,123	2,509	3,343	4,263	5,915	7,800	8,972
<b>20% Exceedance</b>	9,304	9,034	7,461	4,551	1,258	1,024	1,031	2,610	3,885	5,069	6,860	8,609
<b>30% Exceedance</b>	9,075	8,613	6,177	3,531	667	385	607	2,010	3,345	4,646	6,642	8,400
<b>40% Exceedance</b>	8,911	7,909	5,335	1,623	368	291	448	896	2,506	3,662	6,019	8,137
<b>50% Exceedance</b>	7,878	5,061	4,229	1,098	312	240	297	558	2,062	2,981	5,453	7,039
<b>60% Exceedance</b>	2,539	4,267	3,221	543	212	208	224	348	1,473	2,299	4,029	2,466
<b>70% Exceedance</b>	2,358	3,858	1,059	239	198	194	209	257	1,073	2,057	3,768	2,332
<b>80% Exceedance</b>	1,986	3,432	721	204	192	189	193	194	462	1,725	3,546	2,242
<b>90% Exceedance</b>	1,671	1,306	266	190	188	187	186	183	197	1,240	2,932	1,846
<b>Full Simulation Period Average<sup>a</sup></b>	5,821	5,838	4,305	2,150	838	665	786	1,375	2,390	3,414	5,163	5,505
<b>Wet Water Years (32%)</b>	1,891	3,039	3,143	411	199	198	219	331	718	1,487	3,137	1,980
<b>Above Normal Years (15%)</b>	2,499	4,142	3,592	1,137	297	203	238	369	1,395	2,072	3,692	2,329
<b>Below Normal Years (17%)</b>	8,161	6,343	4,042	1,990	460	420	482	889	2,147	3,208	5,577	7,746
<b>Dry Water Years (22%)</b>	9,276	7,938	4,806	3,447	1,291	840	1,006	1,904	3,389	4,819	6,751	8,449
<b>Critical Water Years (15%)</b>	9,744	9,861	7,089	5,170	2,525	2,162	2,590	4,413	5,793	7,064	8,156	9,288

**Table 6B1-6-1c. Sacramento River at Collinsville, Alternative 1A 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-351	-99	-218	220	-1	0	27	-77	15	-33	-455	-607
<b>20% Exceedance</b>	-499	-375	-22	30	66	17	-7	-7	-15	-189	-419	-495
<b>30% Exceedance</b>	-501	-467	0	-192	-1	8	9	18	3	-163	-375	-460
<b>40% Exceedance</b>	-161	182	91	41	9	0	5	0	1	-8	16	-366
<b>50% Exceedance</b>	-167	-63	-126	44	11	7	0	0	5	4	1	-299
<b>60% Exceedance</b>	-153	32	-14	66	1	2	1	0	-1	-6	-133	-192
<b>70% Exceedance</b>	-140	-18	49	13	1	0	0	1	-1	-11	-145	-213
<b>80% Exceedance</b>	7	17	80	5	1	0	0	0	0	1	-142	-160
<b>90% Exceedance</b>	-94	93	2	0	1	0	1	0	0	2	-139	-157
<b>Full Simulation Period Average<sup>a</sup></b>	-234	-107	-18	3	11	7	5	-6	-10	-49	-209	-276
<b>Wet Water Years (32%)</b>	-80	5	29	8	1	0	0	5	1	1	-129	-149
<b>Above Normal Years (15%)</b>	-141	-70	27	33	9	2	0	-1	-8	-10	-147	-164
<b>Below Normal Years (17%)</b>	-292	0	9	-104	-2	3	4	0	1	0	-103	-239
<b>Dry Water Years (22%)</b>	-513	-403	-140	43	27	10	4	-13	-10	-116	-369	-467
<b>Critical Water Years (15%)</b>	-173	-70	-16	24	29	26	19	-32	-45	-155	-328	-419

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-6-2a. Sacramento River at Collinsville, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	10,124	9,632	9,094	5,501	2,185	2,123	2,482	3,421	4,248	5,948	8,255	9,578
<b>20% Exceedance</b>	9,803	9,408	7,483	4,522	1,192	1,008	1,038	2,617	3,900	5,257	7,279	9,104
<b>30% Exceedance</b>	9,576	9,080	6,177	3,723	668	377	598	1,992	3,342	4,808	7,017	8,860
<b>40% Exceedance</b>	9,071	7,727	5,244	1,582	358	291	443	896	2,505	3,669	6,003	8,503
<b>50% Exceedance</b>	8,044	5,125	4,355	1,054	301	233	297	557	2,058	2,977	5,452	7,338
<b>60% Exceedance</b>	2,692	4,235	3,234	477	211	206	223	348	1,474	2,305	4,163	2,657
<b>70% Exceedance</b>	2,498	3,876	1,010	226	197	194	209	256	1,074	2,067	3,913	2,545
<b>80% Exceedance</b>	1,979	3,415	641	199	192	189	193	194	462	1,725	3,688	2,403
<b>90% Exceedance</b>	1,765	1,213	264	189	187	187	186	183	197	1,238	3,070	2,004
<b>Full Simulation Period Average<sup>a</sup></b>	6,055	5,946	4,323	2,147	827	658	782	1,381	2,400	3,463	5,372	5,781
<b>Wet Water Years (32%)</b>	1,972	3,034	3,114	403	199	197	219	327	718	1,485	3,266	2,129
<b>Above Normal Years (15%)</b>	2,640	4,212	3,564	1,105	288	201	238	370	1,403	2,082	3,839	2,493
<b>Below Normal Years (17%)</b>	8,453	6,343	4,033	2,094	462	417	477	889	2,146	3,208	5,681	7,985
<b>Dry Water Years (22%)</b>	9,789	8,341	4,945	3,404	1,264	831	1,002	1,916	3,399	4,935	7,120	8,916
<b>Critical Water Years (15%)</b>	9,916	9,931	7,105	5,146	2,496	2,136	2,571	4,445	5,839	7,219	8,484	9,707

**Table 6B1-6-2b. Sacramento River at Collinsville, Alternative 1B 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	9,902	9,588	8,830	5,716	2,183	2,123	2,509	3,380	4,263	5,930	7,805	9,020
<b>20% Exceedance</b>	9,289	9,091	7,456	4,493	1,264	1,024	1,031	2,611	3,881	5,079	6,935	8,612
<b>30% Exceedance</b>	9,078	8,684	6,197	3,537	667	391	607	1,950	3,360	4,646	6,690	8,398
<b>40% Exceedance</b>	8,957	7,877	5,327	1,617	374	291	453	914	2,461	3,661	6,017	8,163
<b>50% Exceedance</b>	7,979	4,922	4,229	1,100	301	241	298	558	2,063	2,979	5,430	7,063
<b>60% Exceedance</b>	2,526	4,240	3,259	579	212	208	224	348	1,473	2,284	4,036	2,485
<b>70% Exceedance</b>	2,325	3,849	1,030	239	198	194	209	251	1,076	2,063	3,778	2,371
<b>80% Exceedance</b>	1,854	3,441	681	202	192	189	193	194	462	1,725	3,540	2,269
<b>90% Exceedance</b>	1,648	1,501	252	191	188	187	186	183	197	1,240	2,932	1,865
<b>Full Simulation Period Average<sup>a</sup></b>	5,817	5,859	4,303	2,152	838	664	788	1,373	2,394	3,416	5,168	5,512
<b>Wet Water Years (32%)</b>	1,892	3,052	3,157	411	199	198	220	315	706	1,488	3,139	1,997
<b>Above Normal Years (15%)</b>	2,465	4,124	3,576	1,135	297	203	238	367	1,404	2,075	3,693	2,307
<b>Below Normal Years (17%)</b>	8,173	6,315	4,016	2,103	466	419	479	891	2,157	3,204	5,572	7,751
<b>Dry Water Years (22%)</b>	9,242	8,031	4,815	3,373	1,290	840	1,009	1,914	3,401	4,823	6,767	8,448
<b>Critical Water Years (15%)</b>	9,787	9,883	7,082	5,167	2,521	2,156	2,595	4,423	5,810	7,068	8,167	9,315

**Table 6B1-6-2c. Sacramento River at Collinsville, Alternative 1B 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-222	-44	-264	215	-1	0	28	-41	15	-18	-451	-558
<b>20% Exceedance</b>	-514	-318	-27	-29	72	16	-7	-6	-18	-178	-345	-492
<b>30% Exceedance</b>	-497	-396	20	-187	-1	14	9	-42	19	-162	-327	-462
<b>40% Exceedance</b>	-114	150	83	35	15	0	11	18	-45	-9	14	-340
<b>50% Exceedance</b>	-65	-202	-125	47	0	7	1	0	5	2	-22	-275
<b>60% Exceedance</b>	-166	5	25	102	1	2	1	0	-1	-21	-126	-172
<b>70% Exceedance</b>	-173	-26	20	13	1	0	0	-5	2	-4	-135	-174
<b>80% Exceedance</b>	-125	26	40	3	1	0	0	0	0	1	-149	-134
<b>90% Exceedance</b>	-118	288	-12	2	1	0	1	0	0	2	-138	-139
<b>Full Simulation Period Average<sup>a</sup></b>	-238	-87	-20	5	12	6	6	-7	-5	-47	-204	-269
<b>Wet Water Years (32%)</b>	-80	18	43	8	1	0	1	-11	-12	3	-127	-132
<b>Above Normal Years (15%)</b>	-175	-88	11	30	9	2	0	-3	1	-6	-146	-186
<b>Below Normal Years (17%)</b>	-280	-28	-17	10	4	2	2	2	11	-4	-109	-234
<b>Dry Water Years (22%)</b>	-547	-310	-130	-31	26	10	8	-2	2	-112	-353	-467
<b>Critical Water Years (15%)</b>	-130	-47	-23	21	25	20	24	-22	-28	-151	-316	-391

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-6-3a. Sacramento River at Collinsville, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	10,124	9,632	9,094	5,501	2,185	2,123	2,482	3,421	4,248	5,948	8,255	9,578
<b>20% Exceedance</b>	9,803	9,408	7,483	4,522	1,192	1,008	1,038	2,617	3,900	5,257	7,279	9,104
<b>30% Exceedance</b>	9,576	9,080	6,177	3,723	668	377	598	1,992	3,342	4,808	7,017	8,860
<b>40% Exceedance</b>	9,071	7,727	5,244	1,582	358	291	443	896	2,505	3,669	6,003	8,503
<b>50% Exceedance</b>	8,044	5,125	4,355	1,054	301	233	297	557	2,058	2,977	5,452	7,338
<b>60% Exceedance</b>	2,692	4,235	3,234	477	211	206	223	348	1,474	2,305	4,163	2,657
<b>70% Exceedance</b>	2,498	3,876	1,010	226	197	194	209	256	1,074	2,067	3,913	2,545
<b>80% Exceedance</b>	1,979	3,415	641	199	192	189	193	194	462	1,725	3,688	2,403
<b>90% Exceedance</b>	1,765	1,213	264	189	187	187	186	183	197	1,238	3,070	2,004
<b>Full Simulation Period Average<sup>a</sup></b>	6,055	5,946	4,323	2,147	827	658	782	1,381	2,400	3,463	5,372	5,781
<b>Wet Water Years (32%)</b>	1,972	3,034	3,114	403	199	197	219	327	718	1,485	3,266	2,129
<b>Above Normal Years (15%)</b>	2,640	4,212	3,564	1,105	288	201	238	370	1,403	2,082	3,839	2,493
<b>Below Normal Years (17%)</b>	8,453	6,343	4,033	2,094	462	417	477	889	2,146	3,208	5,681	7,985
<b>Dry Water Years (22%)</b>	9,789	8,341	4,945	3,404	1,264	831	1,002	1,916	3,399	4,935	7,120	8,916
<b>Critical Water Years (15%)</b>	9,916	9,931	7,105	5,146	2,496	2,136	2,571	4,445	5,839	7,219	8,484	9,707

**Table 6B1-6-3b. Sacramento River at Collinsville, Alternative 2 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	9,635	9,554	8,844	5,723	2,185	2,123	2,510	3,349	4,263	5,906	7,729	9,101
<b>20% Exceedance</b>	9,279	9,030	7,461	4,555	1,258	1,023	1,031	2,610	3,885	5,071	6,860	8,627
<b>30% Exceedance</b>	9,074	8,630	6,181	3,528	666	385	607	2,010	3,345	4,646	6,619	8,405
<b>40% Exceedance</b>	8,992	7,909	5,319	1,621	368	291	448	896	2,506	3,662	5,998	8,093
<b>50% Exceedance</b>	7,856	5,013	4,230	1,098	312	241	297	558	2,063	2,976	5,453	7,039
<b>60% Exceedance</b>	2,539	4,240	3,221	554	212	209	224	348	1,473	2,299	4,029	2,466
<b>70% Exceedance</b>	2,287	3,813	1,059	239	198	194	209	257	1,073	2,057	3,768	2,348
<b>80% Exceedance</b>	1,964	3,432	717	204	192	189	193	194	462	1,726	3,546	2,218
<b>90% Exceedance</b>	1,671	1,299	266	190	188	187	186	183	197	1,240	2,932	1,846
<b>Full Simulation Period Average<sup>a</sup></b>	5,812	5,838	4,301	2,145	836	665	787	1,375	2,390	3,414	5,151	5,497
<b>Wet Water Years (32%)</b>	1,884	3,033	3,142	411	199	198	219	331	718	1,487	3,137	1,977
<b>Above Normal Years (15%)</b>	2,475	4,129	3,590	1,137	297	203	238	369	1,395	2,072	3,677	2,315
<b>Below Normal Years (17%)</b>	8,157	6,333	4,040	1,991	460	420	481	889	2,147	3,207	5,556	7,743
<b>Dry Water Years (22%)</b>	9,275	7,953	4,814	3,426	1,285	840	1,006	1,904	3,389	4,820	6,760	8,459
<b>Critical Water Years (15%)</b>	9,732	9,873	7,059	5,167	2,520	2,164	2,592	4,415	5,794	7,066	8,101	9,246

**Table 6B1-6-3c. Sacramento River at Collinsville, Alternative 2 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-489	-78	-250	222	0	0	28	-72	15	-42	-526	-477
<b>20% Exceedance</b>	-524	-379	-22	33	66	15	-7	-7	-15	-187	-419	-476
<b>30% Exceedance</b>	-502	-450	4	-195	-2	8	9	18	3	-162	-398	-455
<b>40% Exceedance</b>	-80	182	75	39	9	0	5	0	1	-8	-5	-410
<b>50% Exceedance</b>	-188	-112	-125	44	11	7	0	0	6	-2	1	-299
<b>60% Exceedance</b>	-152	5	-13	77	1	2	1	0	-1	-6	-133	-192
<b>70% Exceedance</b>	-211	-63	49	13	1	0	0	1	-1	-11	-145	-197
<b>80% Exceedance</b>	-15	17	77	5	0	0	0	0	0	1	-142	-185
<b>90% Exceedance</b>	-94	86	2	0	1	0	1	0	0	2	-139	-157
<b>Full Simulation Period Average<sup>a</sup></b>	-242	-108	-22	-2	10	7	5	-6	-9	-49	-221	-283
<b>Wet Water Years (32%)</b>	-88	-2	28	8	1	0	0	5	1	1	-129	-152
<b>Above Normal Years (15%)</b>	-165	-84	25	32	9	2	0	-1	-8	-10	-163	-178
<b>Below Normal Years (17%)</b>	-296	-10	7	-102	-1	3	4	0	1	-1	-125	-242
<b>Dry Water Years (22%)</b>	-514	-388	-131	22	21	9	4	-13	-10	-115	-360	-457
<b>Critical Water Years (15%)</b>	-184	-58	-46	22	24	28	21	-30	-45	-153	-383	-461

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-6-4a. Sacramento River at Collinsville, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	10,124	9,632	9,094	5,501	2,185	2,123	2,482	3,421	4,248	5,948	8,255	9,578
<b>20% Exceedance</b>	9,803	9,408	7,483	4,522	1,192	1,008	1,038	2,617	3,900	5,257	7,279	9,104
<b>30% Exceedance</b>	9,576	9,080	6,177	3,723	668	377	598	1,992	3,342	4,808	7,017	8,860
<b>40% Exceedance</b>	9,071	7,727	5,244	1,582	358	291	443	896	2,505	3,669	6,003	8,503
<b>50% Exceedance</b>	8,044	5,125	4,355	1,054	301	233	297	557	2,058	2,977	5,452	7,338
<b>60% Exceedance</b>	2,692	4,235	3,234	477	211	206	223	348	1,474	2,305	4,163	2,657
<b>70% Exceedance</b>	2,498	3,876	1,010	226	197	194	209	256	1,074	2,067	3,913	2,545
<b>80% Exceedance</b>	1,979	3,415	641	199	192	189	193	194	462	1,725	3,688	2,403
<b>90% Exceedance</b>	1,765	1,213	264	189	187	187	186	183	197	1,238	3,070	2,004
<b>Full Simulation Period Average<sup>a</sup></b>	6,055	5,946	4,323	2,147	827	658	782	1,381	2,400	3,463	5,372	5,781
<b>Wet Water Years (32%)</b>	1,972	3,034	3,114	403	199	197	219	327	718	1,485	3,266	2,129
<b>Above Normal Years (15%)</b>	2,640	4,212	3,564	1,105	288	201	238	370	1,403	2,082	3,839	2,493
<b>Below Normal Years (17%)</b>	8,453	6,343	4,033	2,094	462	417	477	889	2,146	3,208	5,681	7,985
<b>Dry Water Years (22%)</b>	9,789	8,341	4,945	3,404	1,264	831	1,002	1,916	3,399	4,935	7,120	8,916
<b>Critical Water Years (15%)</b>	9,916	9,931	7,105	5,146	2,496	2,136	2,571	4,445	5,839	7,219	8,484	9,707

**Table 6B1-6-4b. Sacramento River at Collinsville, Alternative 3 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	9,901	9,583	8,871	5,765	2,187	2,131	2,509	3,415	4,261	5,919	7,867	9,254
<b>20% Exceedance</b>	9,478	9,219	7,466	4,486	1,171	1,031	1,031	2,610	3,884	5,060	6,968	8,836
<b>30% Exceedance</b>	9,070	8,557	6,177	3,542	675	385	609	1,965	3,376	4,683	6,714	8,479
<b>40% Exceedance</b>	8,912	7,330	5,532	1,617	368	306	452	915	2,521	3,634	5,964	8,173
<b>50% Exceedance</b>	6,355	4,718	4,235	1,103	308	241	298	557	2,009	2,974	5,433	6,795
<b>60% Exceedance</b>	2,555	4,039	3,018	530	212	208	222	348	1,473	2,282	4,041	2,496
<b>70% Exceedance</b>	2,351	3,812	1,017	237	198	195	208	256	1,078	2,065	3,778	2,346
<b>80% Exceedance</b>	1,904	2,955	587	201	192	189	193	194	463	1,725	3,503	2,267
<b>90% Exceedance</b>	1,705	1,326	228	191	188	187	186	183	197	1,240	2,938	1,780
<b>Full Simulation Period Average<sup>a</sup></b>	5,746	5,729	4,283	2,151	832	662	788	1,372	2,400	3,415	5,179	5,553
<b>Wet Water Years (32%)</b>	1,922	3,061	3,169	403	199	198	223	319	708	1,488	3,135	1,997
<b>Above Normal Years (15%)</b>	2,440	3,962	3,553	1,161	299	203	243	354	1,406	2,071	3,667	2,308
<b>Below Normal Years (17%)</b>	7,528	5,546	3,943	2,017	470	426	483	884	2,167	3,196	5,571	7,769
<b>Dry Water Years (22%)</b>	9,344	8,137	4,819	3,448	1,279	833	1,006	1,918	3,409	4,822	6,800	8,501
<b>Critical Water Years (15%)</b>	9,862	9,876	7,022	5,137	2,486	2,145	2,589	4,424	5,816	7,077	8,230	9,495

**Table 6B1-6-4c. Sacramento River at Collinsville, Alternative 3 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-224	-49	-223	264	2	8	27	-6	13	-29	-388	-325
<b>20% Exceedance</b>	-325	-189	-17	-36	-21	23	-7	-7	-16	-197	-311	-268
<b>30% Exceedance</b>	-506	-524	0	-181	7	8	10	-27	34	-125	-303	-380
<b>40% Exceedance</b>	-159	-397	288	34	9	15	9	19	16	-36	-39	-330
<b>50% Exceedance</b>	-1,690	-406	-119	50	6	7	1	0	-49	-3	-18	-543
<b>60% Exceedance</b>	-137	-197	-216	53	1	2	-1	0	-1	-23	-121	-161
<b>70% Exceedance</b>	-147	-64	7	12	1	0	-1	0	4	-2	-134	-199
<b>80% Exceedance</b>	-75	-460	-54	2	1	0	0	0	1	1	-185	-136
<b>90% Exceedance</b>	-60	113	-36	2	1	0	1	0	0	2	-132	-224
<b>Full Simulation Period Average<sup>a</sup></b>	-308	-217	-40	3	5	4	7	-8	0	-48	-193	-228
<b>Wet Water Years (32%)</b>	-50	26	55	0	1	0	4	-8	-9	3	-130	-133
<b>Above Normal Years (15%)</b>	-200	-250	-12	56	11	3	5	-15	3	-10	-173	-185
<b>Below Normal Years (17%)</b>	-925	-797	-90	-76	8	10	6	-5	21	-12	-110	-216
<b>Dry Water Years (22%)</b>	-445	-204	-126	44	15	2	4	2	10	-113	-320	-415
<b>Critical Water Years (15%)</b>	-54	-54	-83	-9	-10	9	19	-21	-23	-142	-254	-212

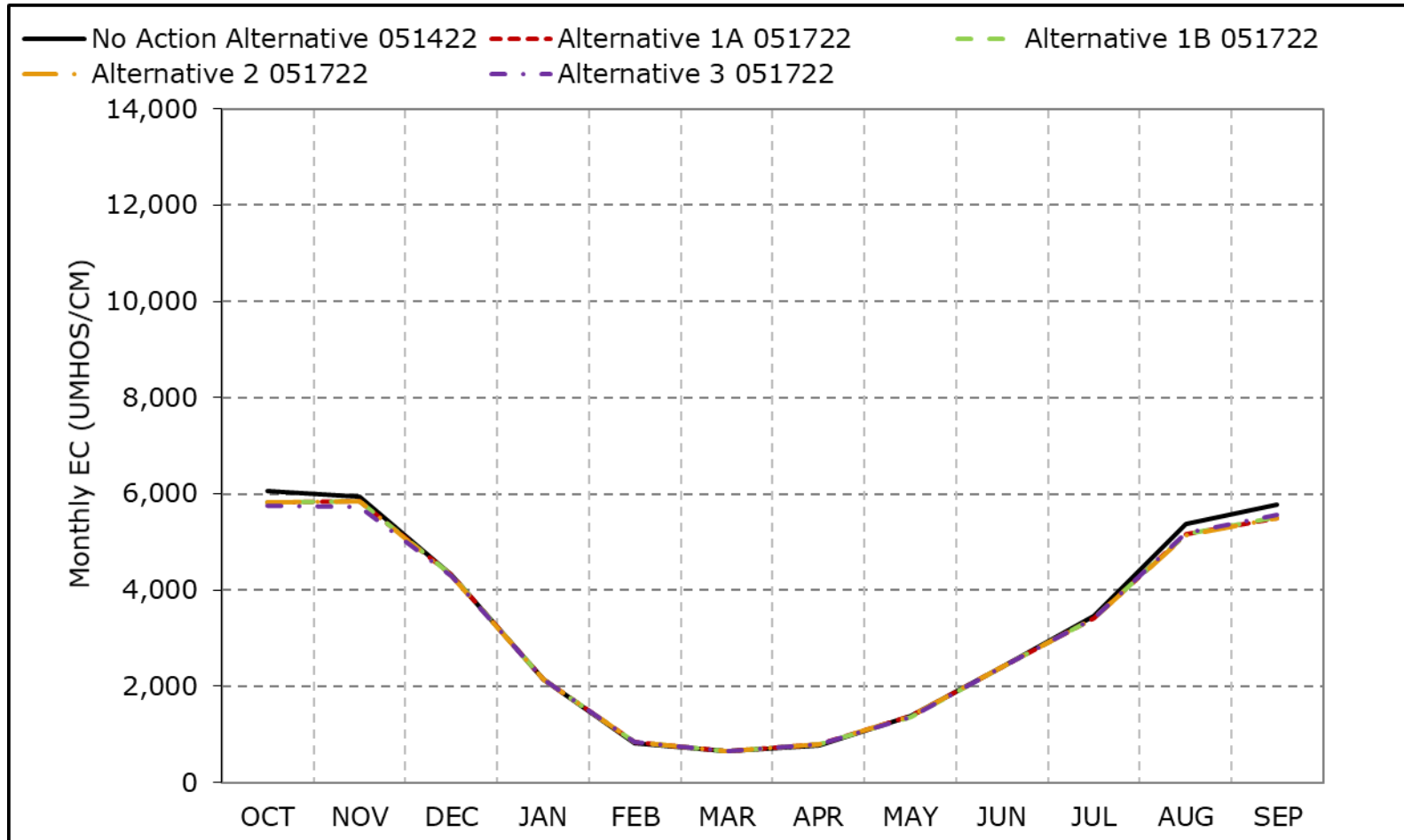
<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Figure 6B1-6-1. Sacramento River at Collinsville, Long-Term Average EC**

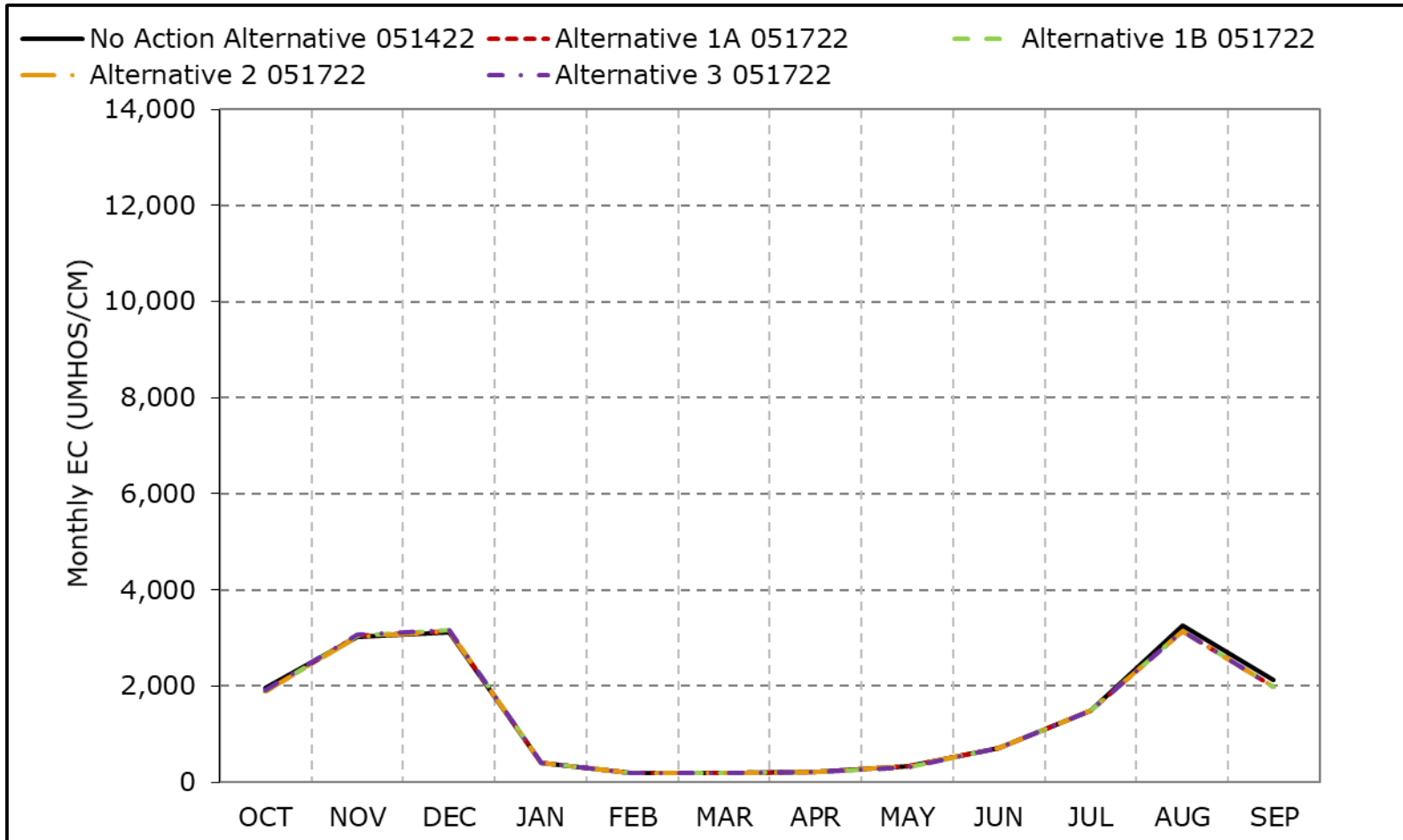


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-6-2. Sacramento River at Collinsville, Wet Year Average EC**

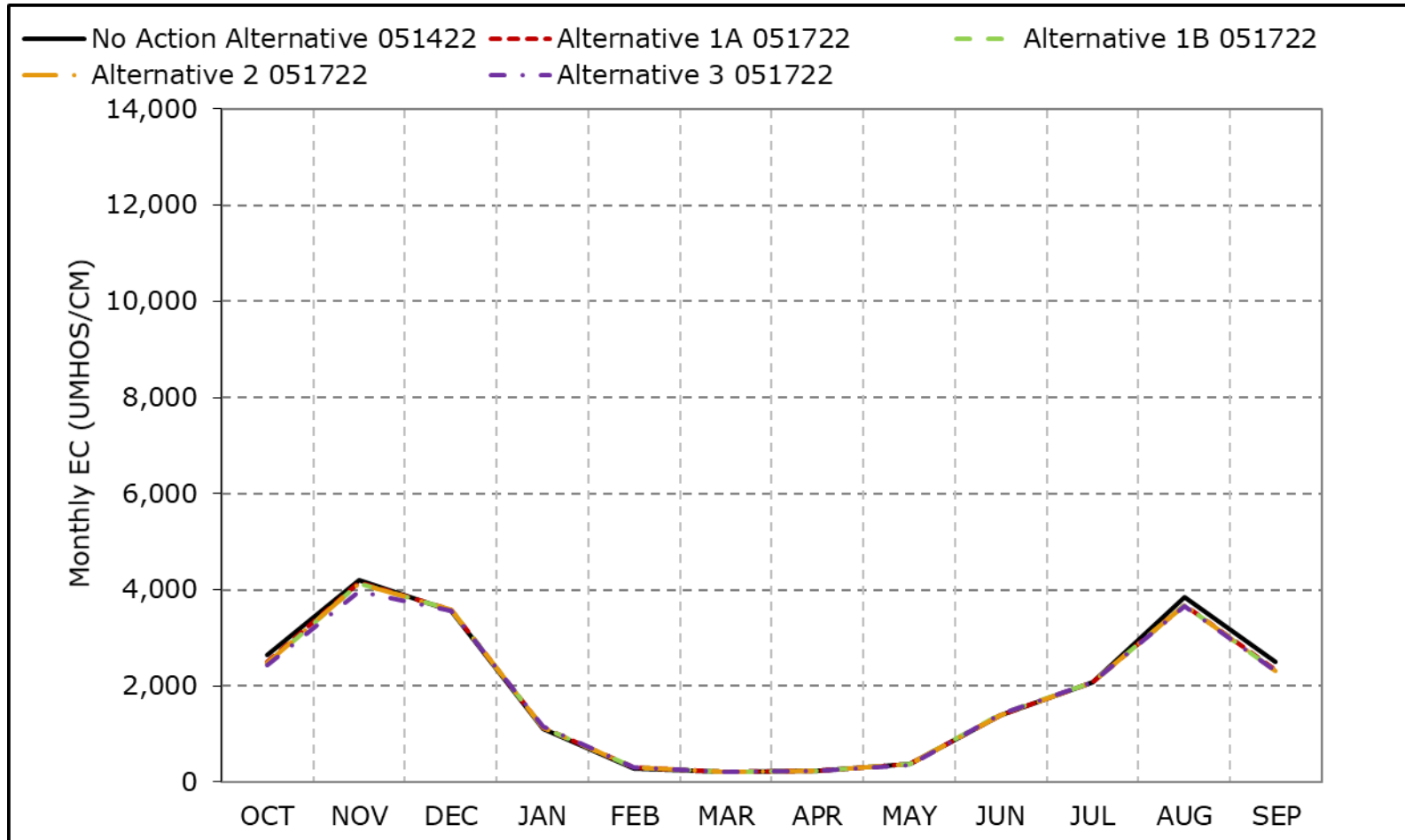


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-6-3. Sacramento River at Collinsville, Above Normal Year Average EC**

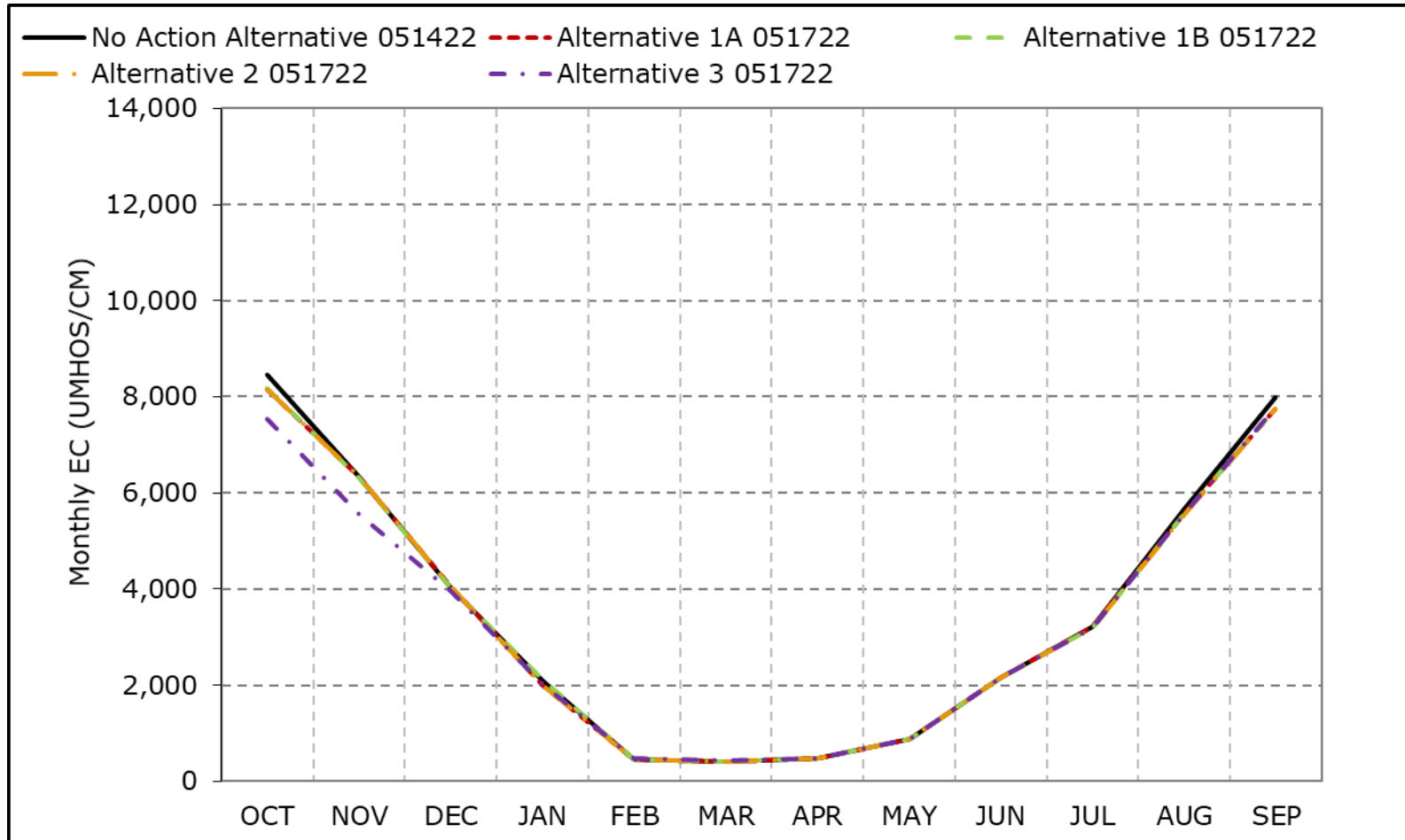


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-6-4. Sacramento River at Collinsville, Below Normal Year Average EC**



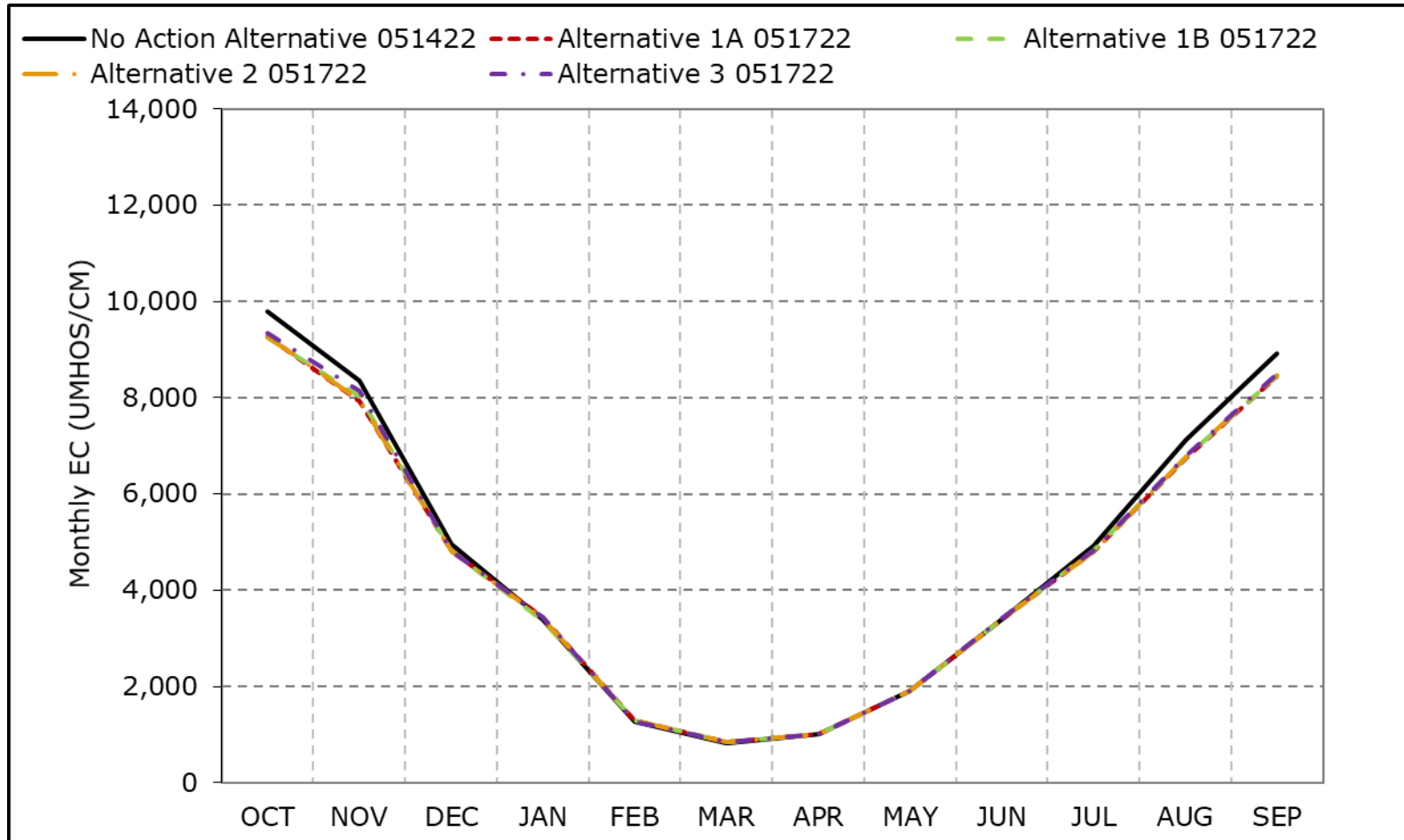
\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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



**Figure 6B1-6-5. Sacramento River at Collinsville, Dry Year Average EC**

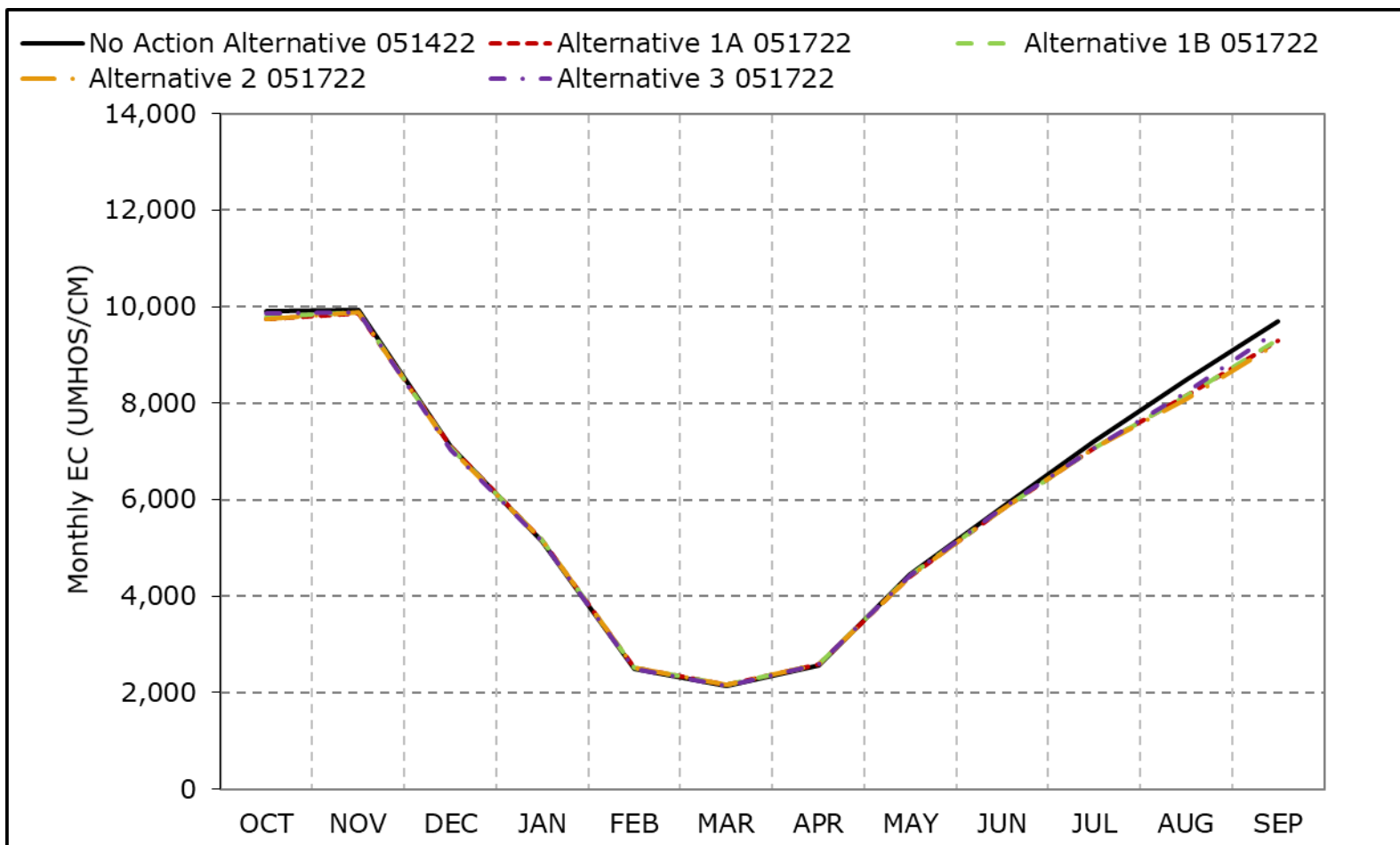


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-6-6. Sacramento River at Collinsville, Critical Year Average EC**

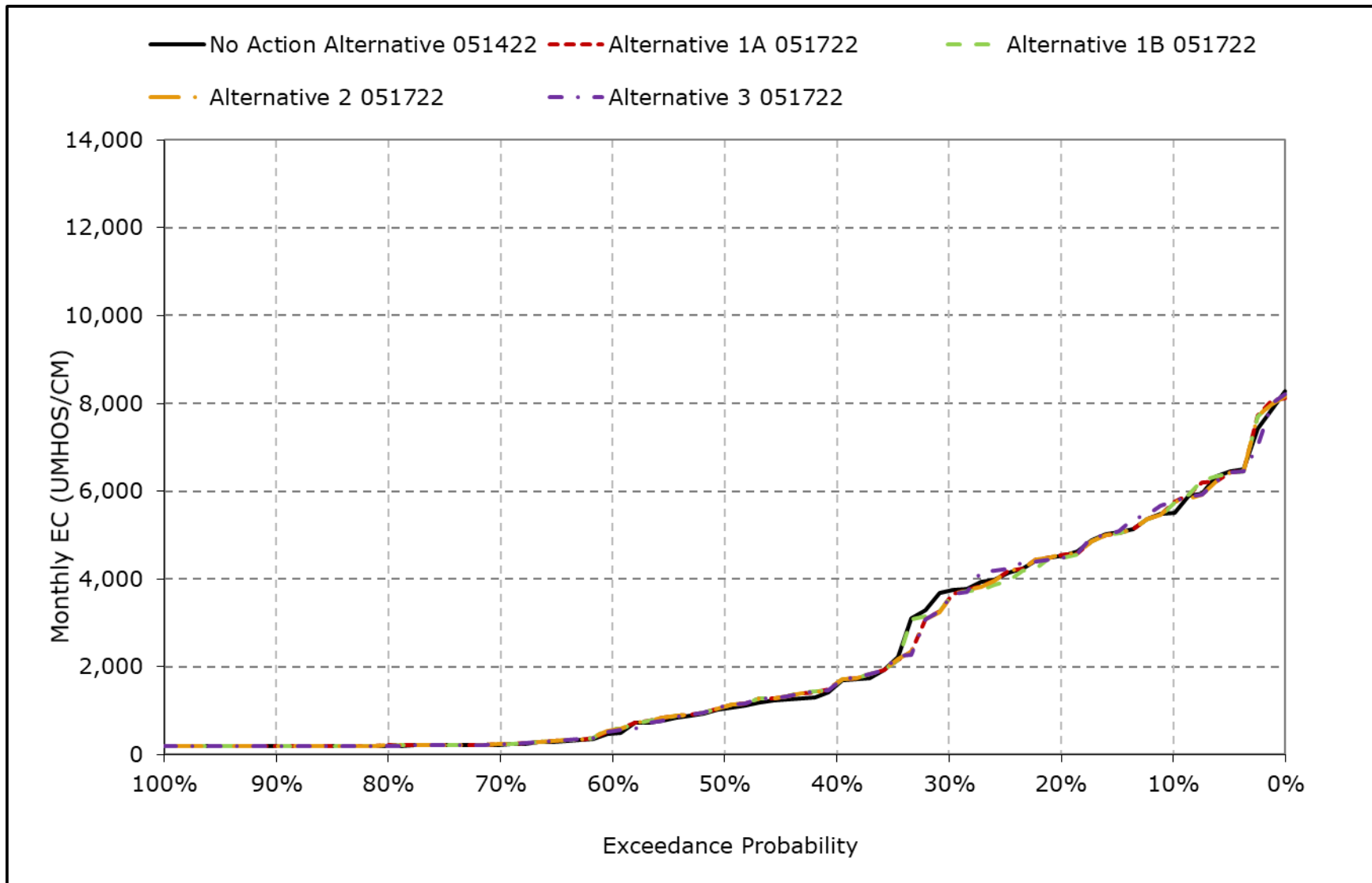


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

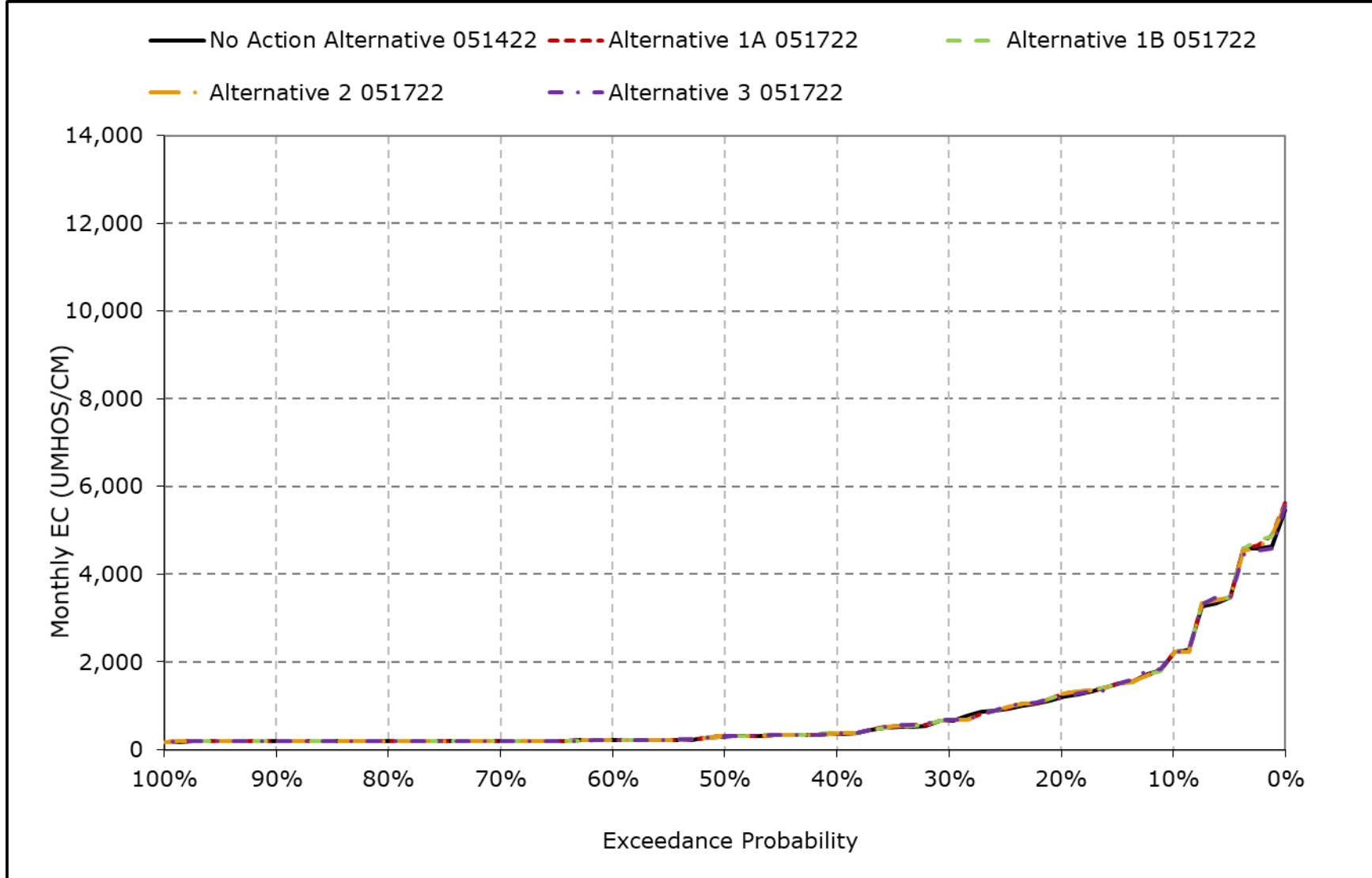
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-6-7. Sacramento River at Collinsville Salinity, January EC**



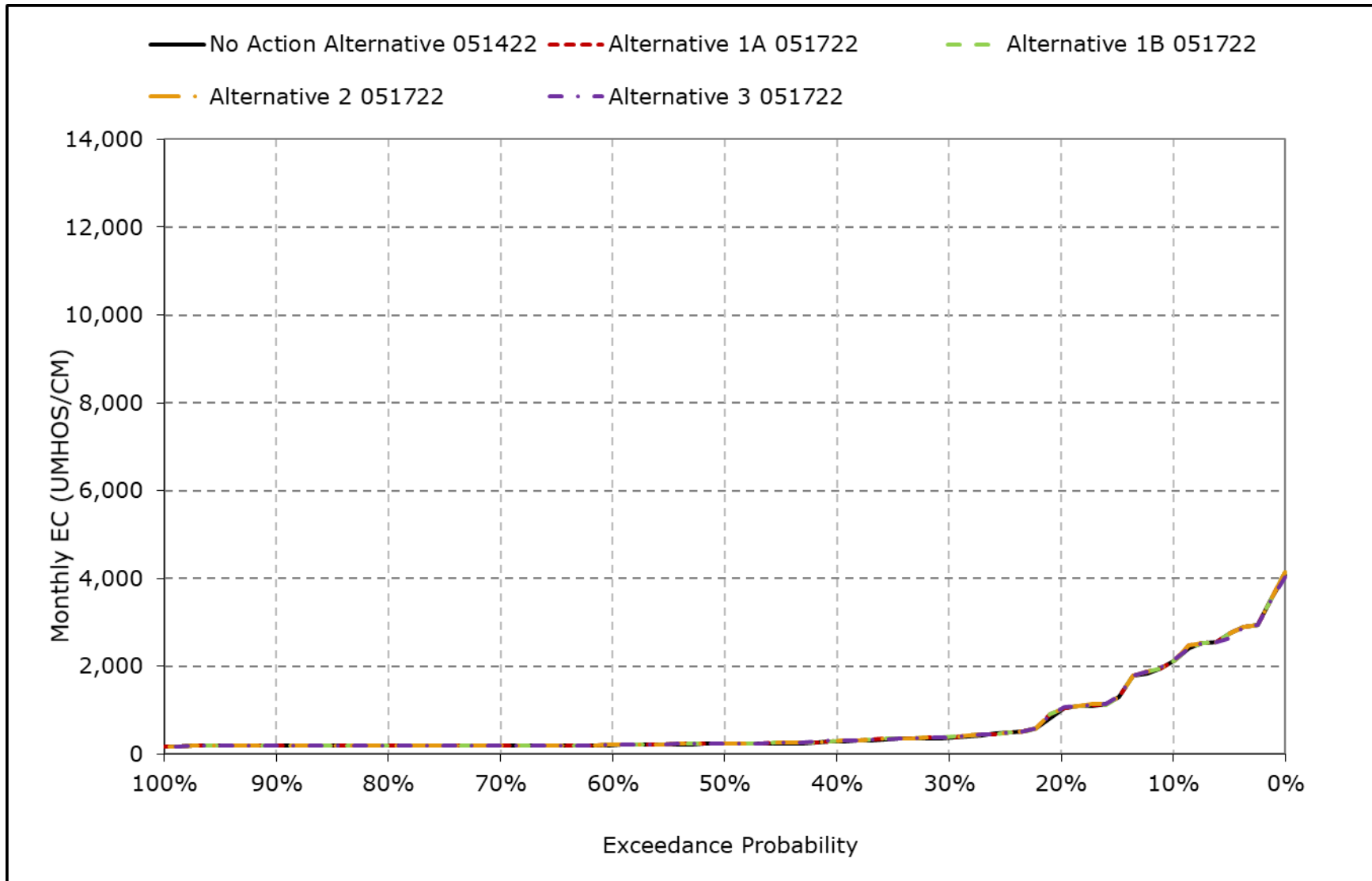
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-6-8. Sacramento River at Collinsville Salinity, February EC**



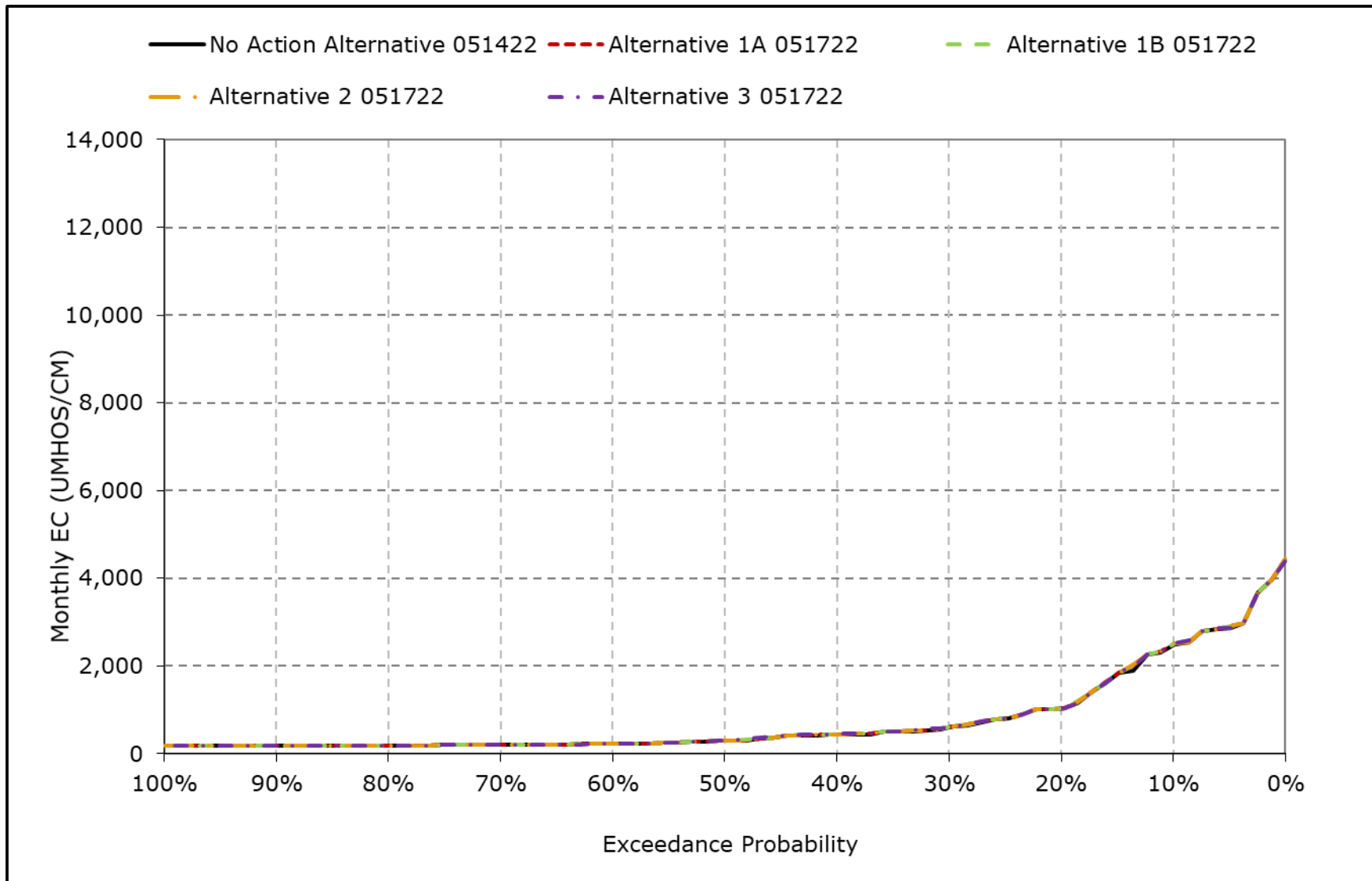
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-6-9. Sacramento River at Collinsville Salinity, March EC**



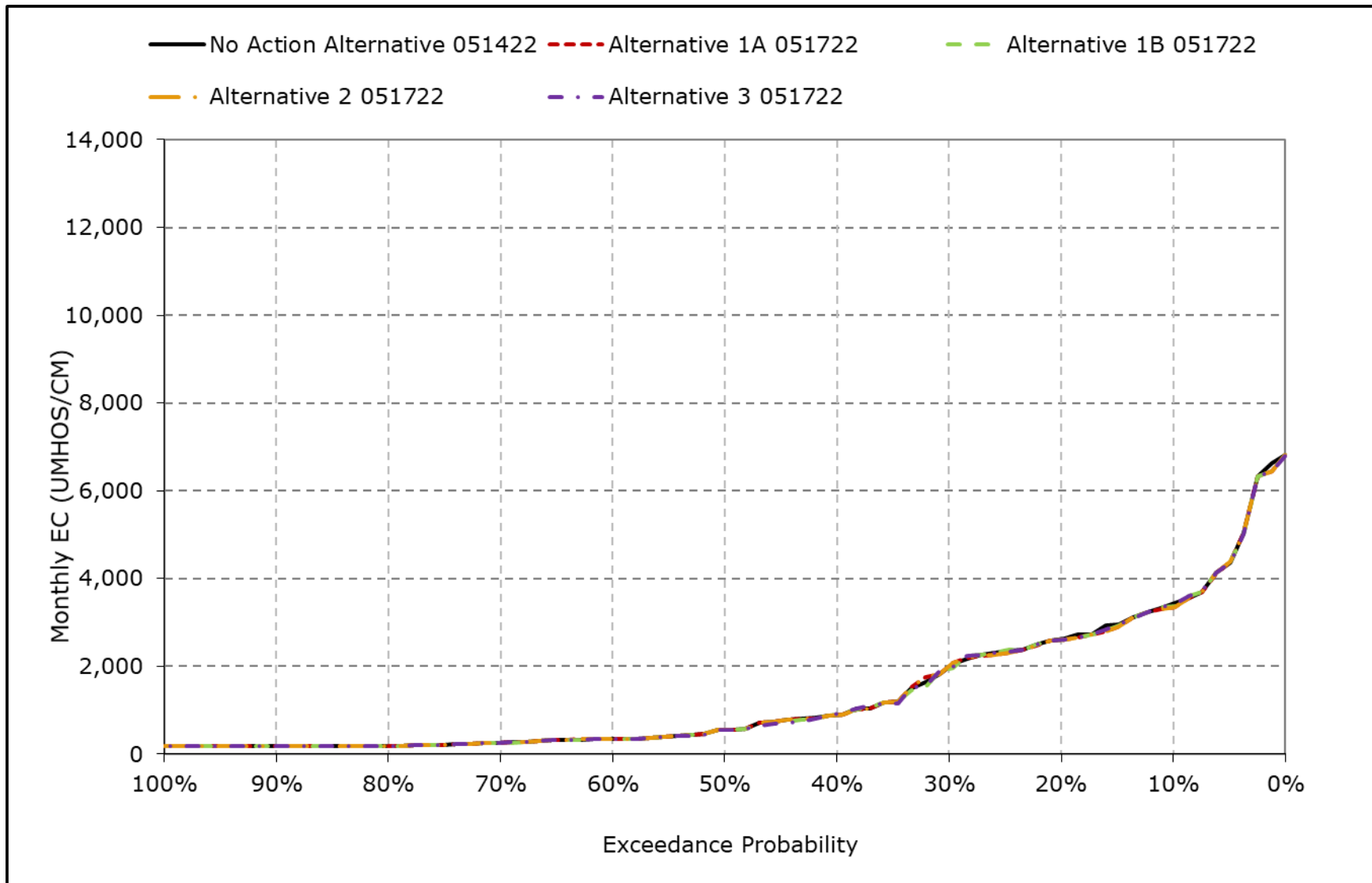
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-6-10. Sacramento River at Collinsville Salinity, April EC**



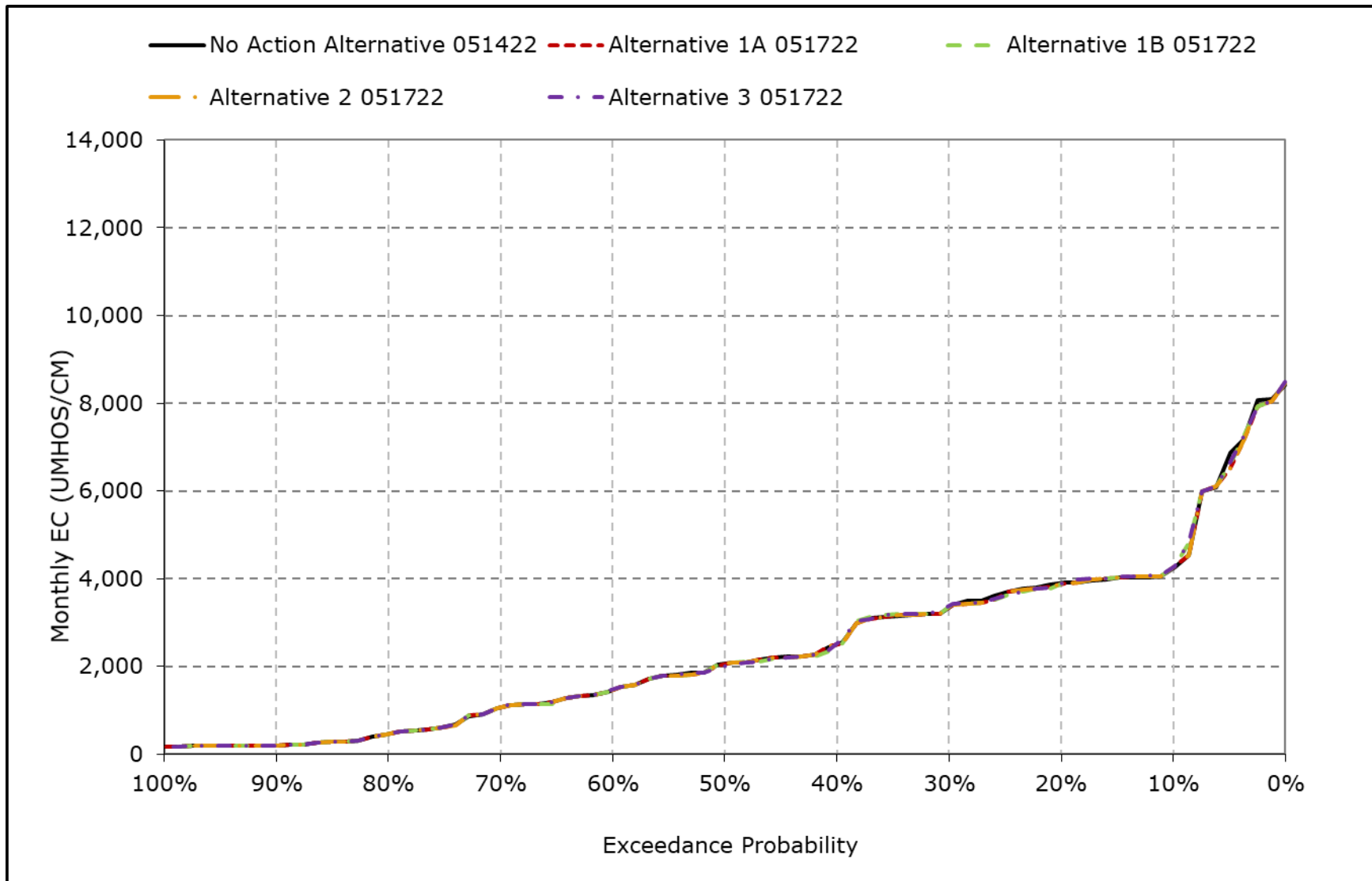
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-6-11. Sacramento River at Collinsville Salinity, May EC**



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

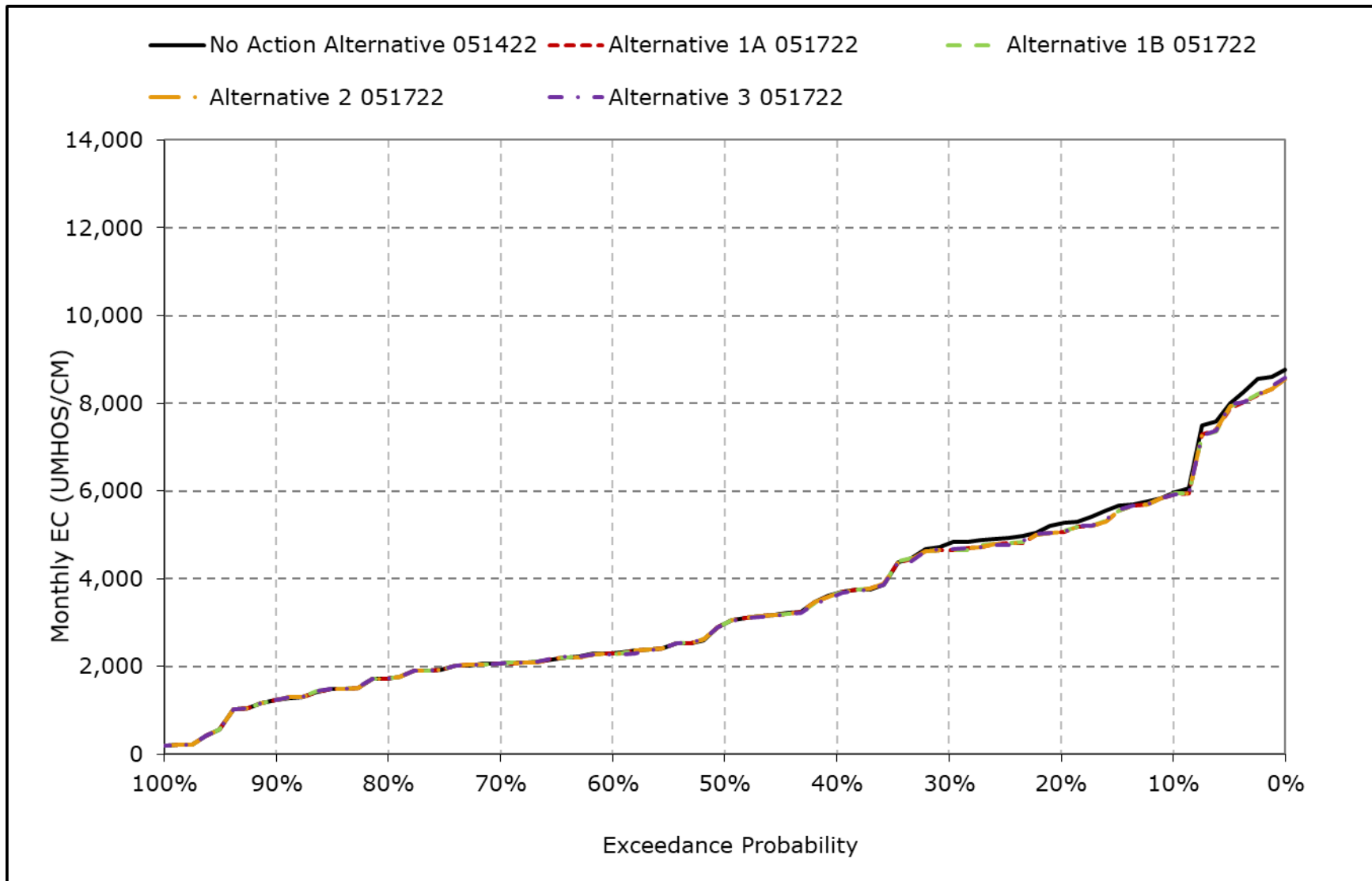
**Figure 6B1-6-12. Sacramento River at Collinsville Salinity, June EC**



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

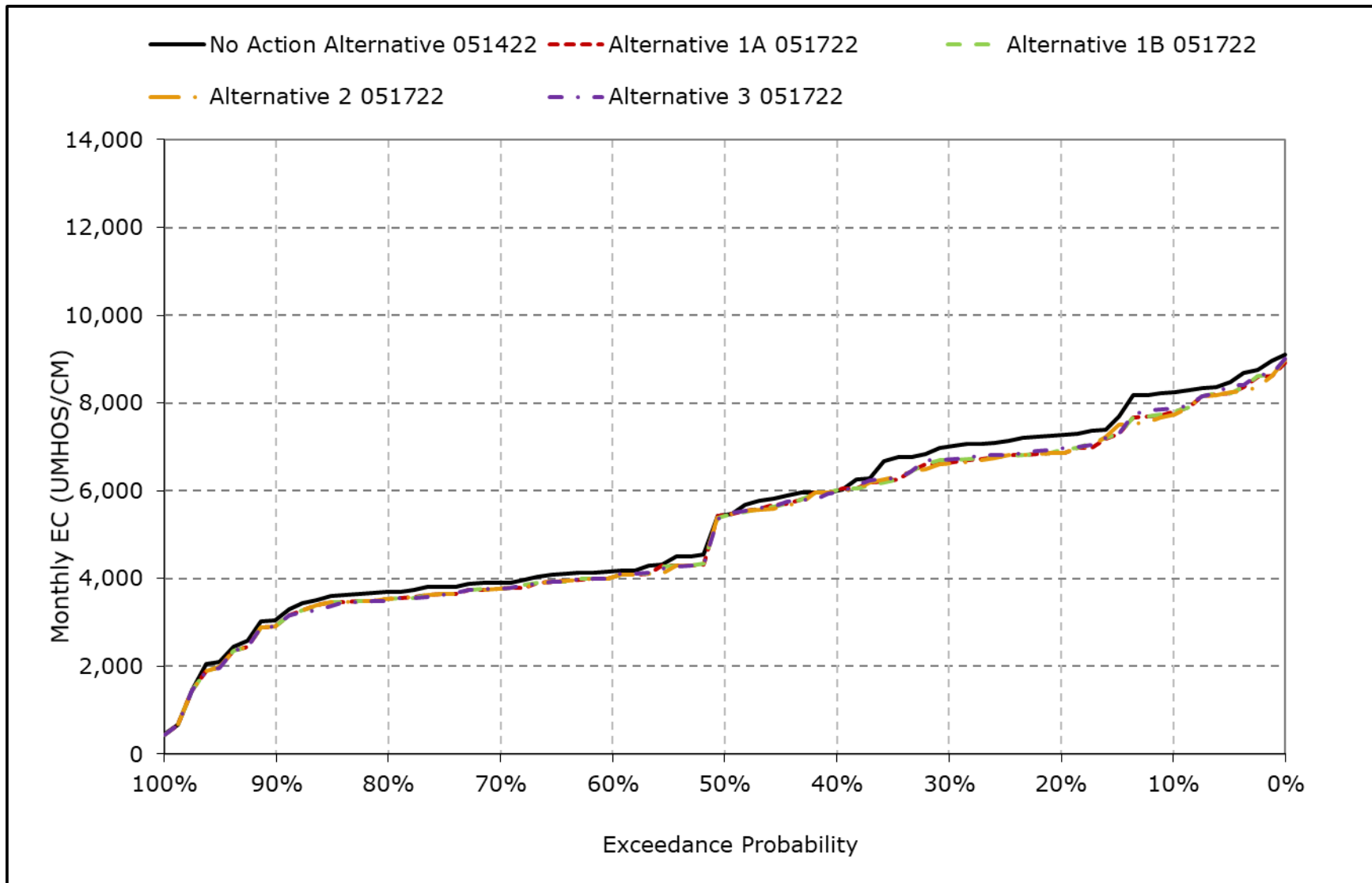


**Figure 6B1-6-13. Sacramento River at Collinsville Salinity, July EC**



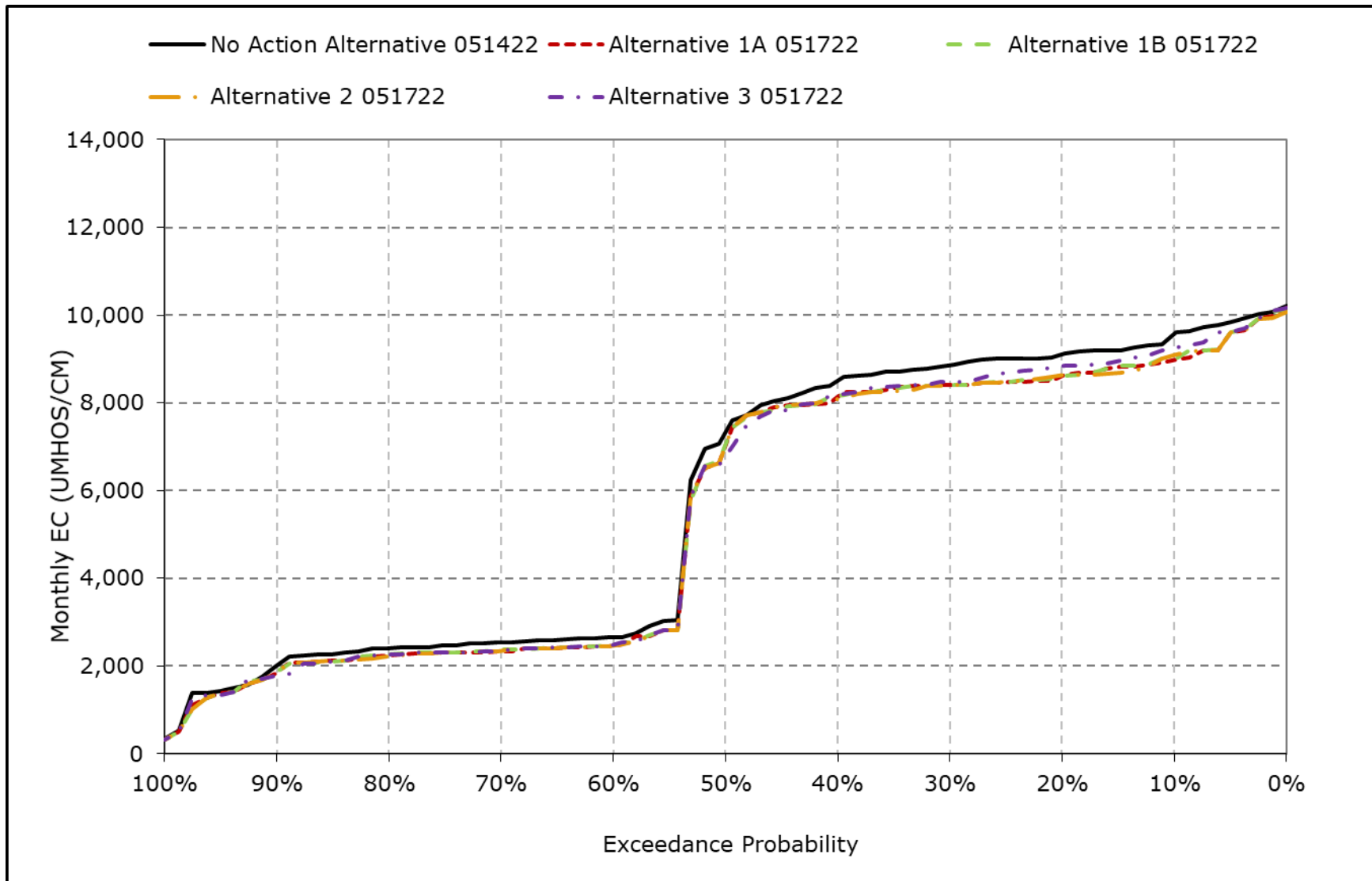
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-6-14. Sacramento River at Collinsville Salinity, August EC**



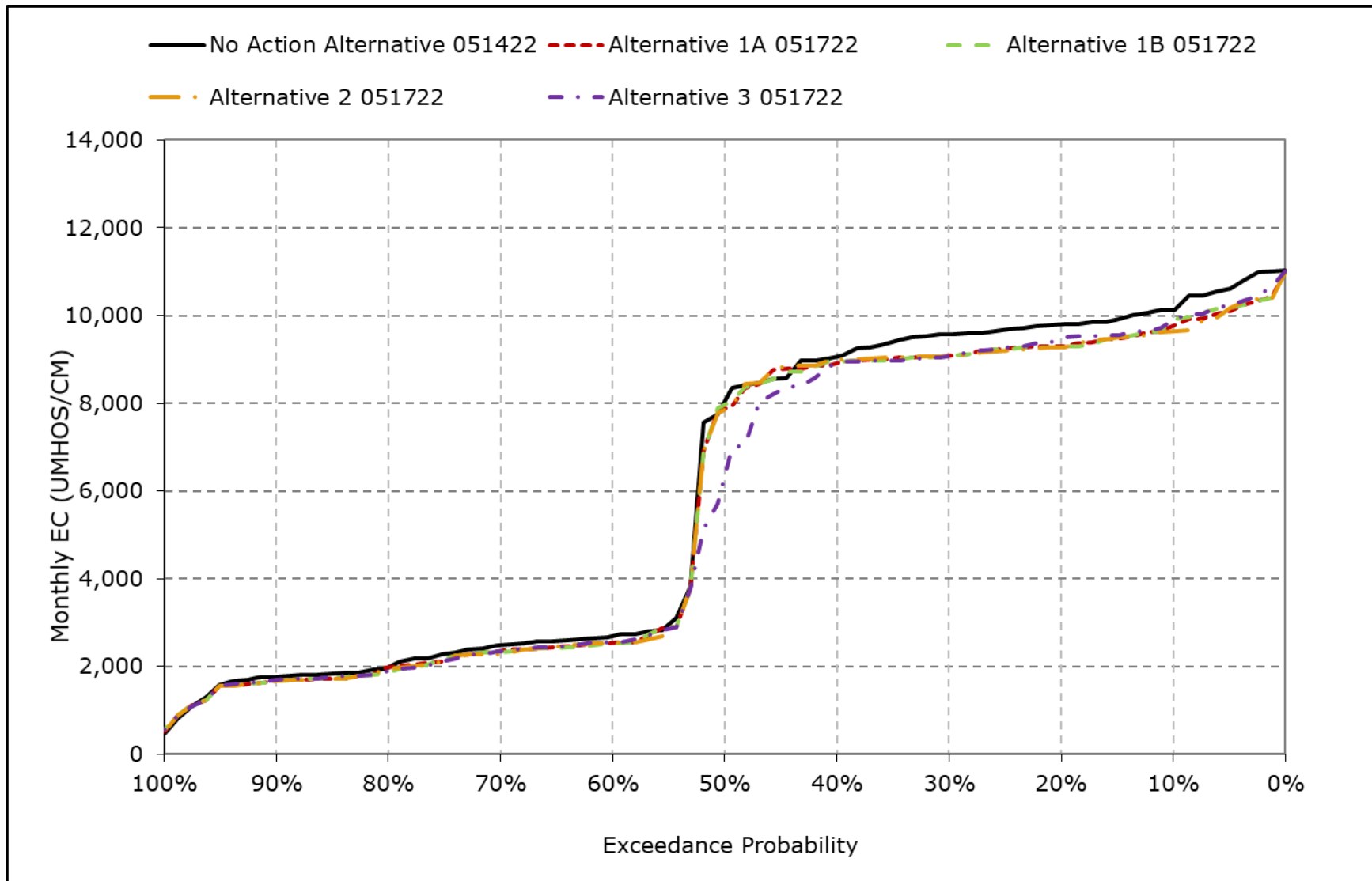
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-6-15. Sacramento River at Collinsville Salinity, September EC**



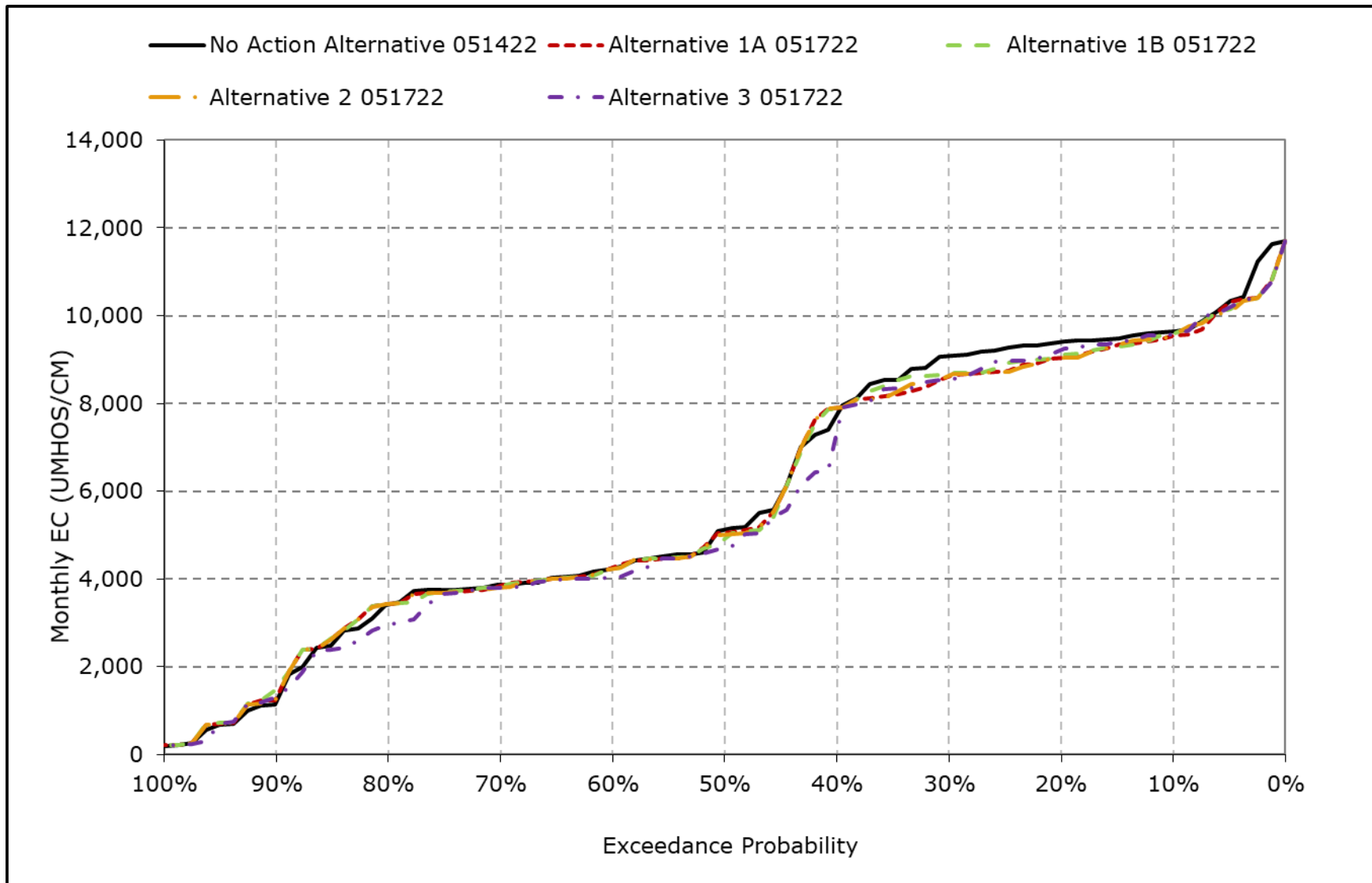
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-6-16. Sacramento River at Collinsville Salinity, October EC**



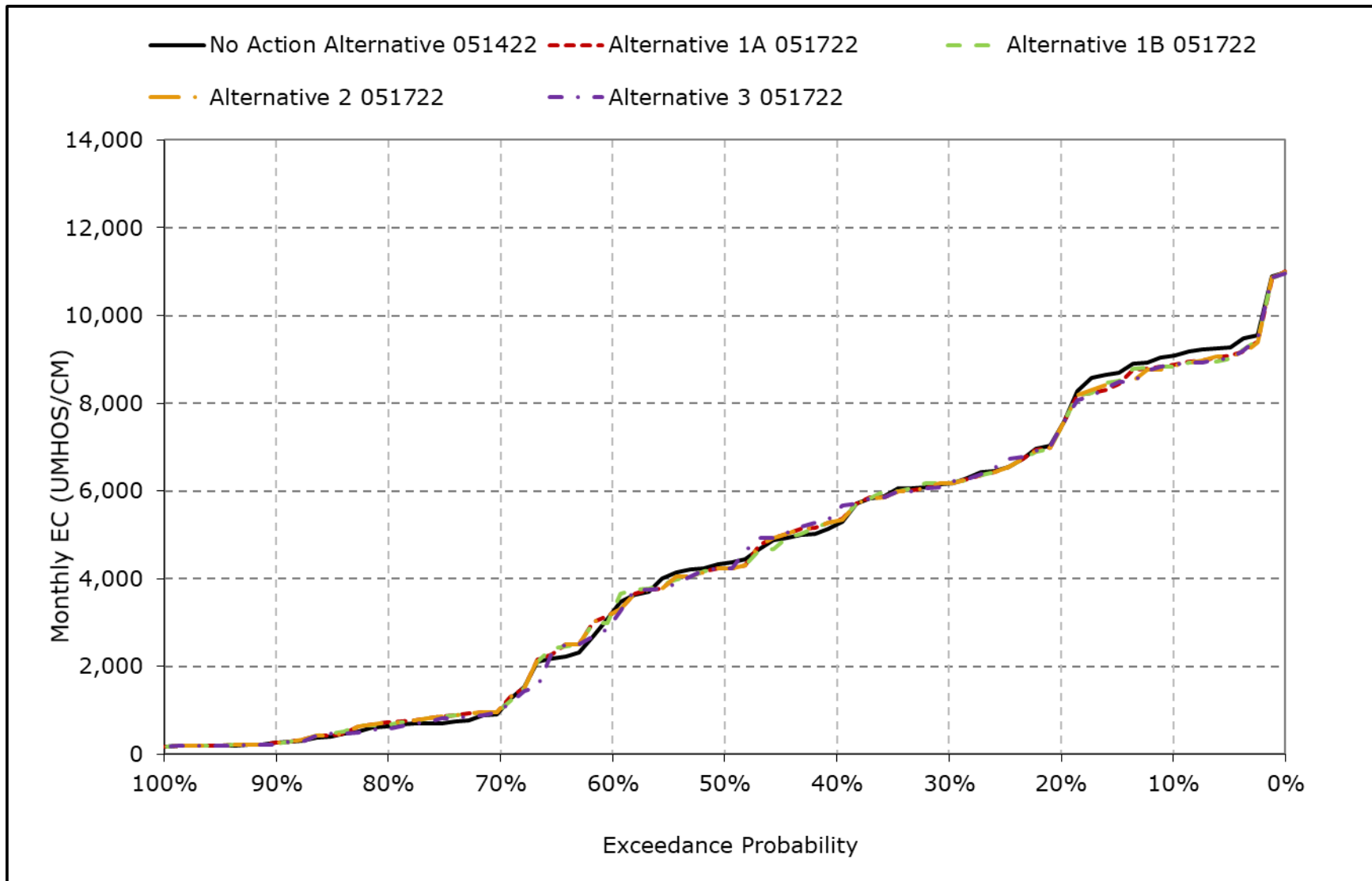
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-6-17. Sacramento River at Collinsville Salinity, November EC**



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

**Figure 6B1-6-18. Sacramento River at Collinsville Salinity, December EC**



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

**Table 6B1-7-1a. Sacramento River at Mallard Slough, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	13,904	13,471	12,924	9,211	4,644	4,446	4,918	6,028	7,299	9,316	11,882	13,261
<b>20% Exceedance</b>	13,533	13,226	11,386	7,916	2,601	2,296	2,420	4,969	6,840	8,669	10,799	12,685
<b>30% Exceedance</b>	13,302	12,846	9,936	6,881	1,536	838	1,472	4,176	6,053	8,134	10,496	12,543
<b>40% Exceedance</b>	12,895	11,546	8,909	3,408	759	613	1,109	2,164	4,885	6,660	9,538	12,054
<b>50% Exceedance</b>	11,840	8,350	7,835	2,220	510	393	710	1,344	4,054	5,756	8,883	11,082
<b>60% Exceedance</b>	5,197	7,455	6,353	1,121	237	255	399	832	3,252	4,819	7,217	5,312
<b>70% Exceedance</b>	4,889	6,843	2,236	340	213	208	282	560	2,344	4,291	6,933	5,087
<b>80% Exceedance</b>	4,210	6,355	1,294	212	202	198	202	274	1,161	3,701	6,573	4,900
<b>90% Exceedance</b>	3,836	2,805	408	196	193	193	191	189	259	2,595	5,801	4,264
<b>Full Simulation Period Average<sup>a</sup></b>	9,060	9,056	6,876	3,730	1,571	1,261	1,545	2,557	4,262	6,040	8,529	8,831
<b>Wet Water Years (32%)</b>	4,076	5,480	5,287	658	229	241	320	605	1,490	3,120	5,899	4,386
<b>Above Normal Years (15%)</b>	5,099	7,151	6,001	2,059	476	244	401	830	2,856	4,310	6,784	5,021
<b>Below Normal Years (17%)</b>	11,967	9,574	6,261	3,879	936	886	1,061	1,933	4,156	6,059	9,114	11,641
<b>Dry Water Years (22%)</b>	13,548	12,000	7,584	6,035	2,586	1,738	2,210	3,844	6,098	8,264	10,618	12,562
<b>Critical Water Years (15%)</b>	13,694	13,688	10,850	8,425	4,793	4,213	4,914	7,313	9,043	10,735	12,156	13,400

**Table 6B1-7-1b. Sacramento River at Mallard Slough, Alternative 1A 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	13,566	13,279	12,782	9,467	4,633	4,446	4,966	6,065	7,319	9,218	11,495	12,694
<b>20% Exceedance</b>	13,113	12,881	11,366	7,949	2,756	2,337	2,422	4,980	6,817	8,485	10,415	12,280
<b>30% Exceedance</b>	12,925	12,496	9,936	6,674	1,621	903	1,524	4,204	6,000	7,966	10,157	12,136
<b>40% Exceedance</b>	12,770	11,838	9,143	3,410	800	630	1,113	2,165	4,895	6,647	9,549	11,814
<b>50% Exceedance</b>	11,703	8,293	7,600	2,316	525	421	704	1,345	4,066	5,758	8,885	10,816
<b>60% Exceedance</b>	4,993	7,476	6,315	1,298	245	263	399	832	3,250	4,798	7,094	5,036
<b>70% Exceedance</b>	4,706	6,944	2,365	348	215	209	284	562	2,342	4,271	6,748	4,807
<b>80% Exceedance</b>	4,220	6,336	1,524	217	206	200	203	274	1,161	3,707	6,391	4,664
<b>90% Exceedance</b>	3,713	3,052	411	196	193	194	192	189	260	2,595	5,635	4,035
<b>Full Simulation Period Average<sup>a</sup></b>	8,836	8,984	6,878	3,742	1,594	1,279	1,555	2,550	4,250	5,995	8,327	8,547
<b>Wet Water Years (32%)</b>	3,974	5,512	5,339	679	231	241	320	612	1,491	3,123	5,755	4,172
<b>Above Normal Years (15%)</b>	4,914	7,067	6,060	2,129	503	253	402	826	2,842	4,297	6,620	4,796
<b>Below Normal Years (17%)</b>	11,720	9,701	6,336	3,740	937	900	1,072	1,934	4,158	6,060	9,015	11,427
<b>Dry Water Years (22%)</b>	13,094	11,621	7,425	6,099	2,644	1,771	2,223	3,825	6,083	8,155	10,283	12,142
<b>Critical Water Years (15%)</b>	13,543	13,631	10,843	8,458	4,828	4,260	4,948	7,279	8,992	10,602	11,870	13,027

**Table 6B1-7-1c. Sacramento River at Mallard Slough, Alternative 1A 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-339	-192	-142	257	-12	0	48	37	19	-98	-387	-567
<b>20% Exceedance</b>	-421	-345	-19	33	155	41	2	11	-24	-184	-384	-405
<b>30% Exceedance</b>	-377	-350	0	-207	85	65	52	28	-53	-168	-338	-407
<b>40% Exceedance</b>	-125	292	234	2	40	17	4	0	10	-13	11	-240
<b>50% Exceedance</b>	-137	-57	-235	96	15	28	-6	1	13	2	2	-266
<b>60% Exceedance</b>	-204	21	-37	177	8	9	0	0	-1	-21	-123	-276
<b>70% Exceedance</b>	-183	102	129	8	2	1	2	2	-2	-20	-184	-280
<b>80% Exceedance</b>	10	-19	229	5	3	2	1	0	0	6	-182	-237
<b>90% Exceedance</b>	-122	247	3	0	0	1	1	0	0	1	-166	-228
<b>Full Simulation Period Average<sup>a</sup></b>	-223	-72	2	12	22	18	10	-7	-12	-45	-202	-284
<b>Wet Water Years (32%)</b>	-102	32	53	20	2	1	1	7	1	2	-144	-213
<b>Above Normal Years (15%)</b>	-185	-84	58	70	27	8	1	-5	-14	-13	-163	-225
<b>Below Normal Years (17%)</b>	-247	127	75	-140	0	14	11	1	2	0	-99	-215
<b>Dry Water Years (22%)</b>	-454	-379	-159	64	58	33	13	-19	-15	-110	-335	-420
<b>Critical Water Years (15%)</b>	-151	-56	-7	34	35	47	33	-34	-50	-132	-285	-373

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-7-2a. Sacramento River at Mallard Slough, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	13,904	13,471	12,924	9,211	4,644	4,446	4,918	6,028	7,299	9,316	11,882	13,261
<b>20% Exceedance</b>	13,533	13,226	11,386	7,916	2,601	2,296	2,420	4,969	6,840	8,669	10,799	12,685
<b>30% Exceedance</b>	13,302	12,846	9,936	6,881	1,536	838	1,472	4,176	6,053	8,134	10,496	12,543
<b>40% Exceedance</b>	12,895	11,546	8,909	3,408	759	613	1,109	2,164	4,885	6,660	9,538	12,054
<b>50% Exceedance</b>	11,840	8,350	7,835	2,220	510	393	710	1,344	4,054	5,756	8,883	11,082
<b>60% Exceedance</b>	5,197	7,455	6,353	1,121	237	255	399	832	3,252	4,819	7,217	5,312
<b>70% Exceedance</b>	4,889	6,843	2,236	340	213	208	282	560	2,344	4,291	6,933	5,087
<b>80% Exceedance</b>	4,210	6,355	1,294	212	202	198	202	274	1,161	3,701	6,573	4,900
<b>90% Exceedance</b>	3,836	2,805	408	196	193	193	191	189	259	2,595	5,801	4,264
<b>Full Simulation Period Average<sup>a</sup></b>	9,060	9,056	6,876	3,730	1,571	1,261	1,545	2,557	4,262	6,040	8,529	8,831
<b>Wet Water Years (32%)</b>	4,076	5,480	5,287	658	229	241	320	605	1,490	3,120	5,899	4,386
<b>Above Normal Years (15%)</b>	5,099	7,151	6,001	2,059	476	244	401	830	2,856	4,310	6,784	5,021
<b>Below Normal Years (17%)</b>	11,967	9,574	6,261	3,879	936	886	1,061	1,933	4,156	6,059	9,114	11,641
<b>Dry Water Years (22%)</b>	13,548	12,000	7,584	6,035	2,586	1,738	2,210	3,844	6,098	8,264	10,618	12,562
<b>Critical Water Years (15%)</b>	13,694	13,688	10,850	8,425	4,793	4,213	4,914	7,313	9,043	10,735	12,156	13,400

**Table 6B1-7-2b. Sacramento River at Mallard Slough, Alternative 1B 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	13,631	13,335	12,721	9,461	4,642	4,446	5,013	6,065	7,318	9,219	11,501	12,791
<b>20% Exceedance</b>	13,090	12,947	11,360	7,912	2,766	2,335	2,445	4,986	6,815	8,488	10,421	12,280
<b>30% Exceedance</b>	12,926	12,512	9,956	6,679	1,609	919	1,523	4,016	5,999	7,940	10,198	12,144
<b>40% Exceedance</b>	12,800	11,773	9,074	3,411	798	630	1,145	2,200	4,809	6,647	9,548	11,806
<b>50% Exceedance</b>	11,778	8,261	7,600	2,316	537	421	704	1,345	4,063	5,756	8,853	10,838
<b>60% Exceedance</b>	4,963	7,420	6,285	1,398	245	268	399	832	3,250	4,771	7,085	5,075
<b>70% Exceedance</b>	4,684	6,874	2,298	348	215	210	284	532	2,342	4,291	6,804	4,839
<b>80% Exceedance</b>	3,969	6,333	1,447	216	205	200	203	274	1,161	3,707	6,384	4,721
<b>90% Exceedance</b>	3,682	3,407	411	196	193	194	192	189	260	2,595	5,636	4,031
<b>Full Simulation Period Average<sup>a</sup></b>	8,829	9,005	6,872	3,746	1,594	1,279	1,559	2,547	4,253	5,997	8,331	8,555
<b>Wet Water Years (32%)</b>	3,975	5,536	5,359	679	230	241	323	584	1,470	3,124	5,757	4,199
<b>Above Normal Years (15%)</b>	4,859	7,039	6,027	2,126	504	253	403	819	2,852	4,302	6,621	4,759
<b>Below Normal Years (17%)</b>	11,728	9,673	6,299	3,914	952	900	1,068	1,937	4,171	6,055	9,008	11,429
<b>Dry Water Years (22%)</b>	13,065	11,708	7,424	5,988	2,637	1,771	2,232	3,845	6,100	8,161	10,296	12,142
<b>Critical Water Years (15%)</b>	13,579	13,651	10,836	8,456	4,824	4,254	4,953	7,292	9,010	10,605	11,879	13,052

**Table 6B1-7-2c. Sacramento River at Mallard Slough, Alternative 1B 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-274	-136	-203	250	-3	0	95	37	19	-97	-381	-470
<b>20% Exceedance</b>	-444	-278	-26	-4	165	40	25	17	-25	-182	-378	-405
<b>30% Exceedance</b>	-377	-334	19	-201	74	81	51	-160	-54	-194	-298	-399
<b>40% Exceedance</b>	-94	227	165	2	39	17	36	36	-76	-13	10	-248
<b>50% Exceedance</b>	-62	-89	-235	96	27	28	-6	1	9	0	-30	-244
<b>60% Exceedance</b>	-234	-35	-67	278	8	14	-1	0	-2	-48	-132	-237
<b>70% Exceedance</b>	-205	32	62	8	2	2	2	-28	-2	0	-129	-248
<b>80% Exceedance</b>	-241	-22	153	4	2	2	1	0	0	6	-189	-179
<b>90% Exceedance</b>	-153	602	3	0	0	1	1	0	0	1	-166	-233
<b>Full Simulation Period Average<sup>a</sup></b>	-231	-51	-4	16	23	17	13	-11	-9	-42	-198	-277
<b>Wet Water Years (32%)</b>	-102	56	73	21	1	1	3	-21	-19	4	-142	-186
<b>Above Normal Years (15%)</b>	-240	-112	26	67	27	9	2	-11	-3	-8	-162	-263
<b>Below Normal Years (17%)</b>	-239	99	37	34	15	13	7	3	15	-4	-106	-212
<b>Dry Water Years (22%)</b>	-482	-292	-160	-47	50	33	22	1	1	-104	-323	-420
<b>Critical Water Years (15%)</b>	-114	-37	-14	31	31	41	39	-21	-33	-130	-276	-348

<sup>a</sup> Based on the 82-year simulation period.

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

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

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



**Table 6B1-7-3a. Sacramento River at Mallard Slough, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	13,904	13,471	12,924	9,211	4,644	4,446	4,918	6,028	7,299	9,316	11,882	13,261
<b>20% Exceedance</b>	13,533	13,226	11,386	7,916	2,601	2,296	2,420	4,969	6,840	8,669	10,799	12,685
<b>30% Exceedance</b>	13,302	12,846	9,936	6,881	1,536	838	1,472	4,176	6,053	8,134	10,496	12,543
<b>40% Exceedance</b>	12,895	11,546	8,909	3,408	759	613	1,109	2,164	4,885	6,660	9,538	12,054
<b>50% Exceedance</b>	11,840	8,350	7,835	2,220	510	393	710	1,344	4,054	5,756	8,883	11,082
<b>60% Exceedance</b>	5,197	7,455	6,353	1,121	237	255	399	832	3,252	4,819	7,217	5,312
<b>70% Exceedance</b>	4,889	6,843	2,236	340	213	208	282	560	2,344	4,291	6,933	5,087
<b>80% Exceedance</b>	4,210	6,355	1,294	212	202	198	202	274	1,161	3,701	6,573	4,900
<b>90% Exceedance</b>	3,836	2,805	408	196	193	193	191	189	259	2,595	5,801	4,264
<b>Full Simulation Period Average<sup>a</sup></b>	9,060	9,056	6,876	3,730	1,571	1,261	1,545	2,557	4,262	6,040	8,529	8,831
<b>Wet Water Years (32%)</b>	4,076	5,480	5,287	658	229	241	320	605	1,490	3,120	5,899	4,386
<b>Above Normal Years (15%)</b>	5,099	7,151	6,001	2,059	476	244	401	830	2,856	4,310	6,784	5,021
<b>Below Normal Years (17%)</b>	11,967	9,574	6,261	3,879	936	886	1,061	1,933	4,156	6,059	9,114	11,641
<b>Dry Water Years (22%)</b>	13,548	12,000	7,584	6,035	2,586	1,738	2,210	3,844	6,098	8,264	10,618	12,562
<b>Critical Water Years (15%)</b>	13,694	13,688	10,850	8,425	4,793	4,213	4,914	7,313	9,043	10,735	12,156	13,400

**Table 6B1-7-3b. Sacramento River at Mallard Slough, Alternative 2 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	13,368	13,250	12,712	9,469	4,633	4,446	4,966	6,074	7,318	9,217	11,492	12,771
<b>20% Exceedance</b>	13,091	12,874	11,361	7,949	2,756	2,334	2,422	4,979	6,817	8,485	10,416	12,358
<b>30% Exceedance</b>	12,926	12,503	9,940	6,669	1,621	903	1,523	4,204	5,999	7,967	10,145	12,123
<b>40% Exceedance</b>	12,804	11,838	9,122	3,413	800	630	1,113	2,165	4,895	6,646	9,534	11,827
<b>50% Exceedance</b>	11,684	8,261	7,590	2,316	525	421	704	1,345	4,068	5,754	8,885	10,816
<b>60% Exceedance</b>	5,015	7,427	6,316	1,329	245	263	399	832	3,251	4,798	7,094	5,036
<b>70% Exceedance</b>	4,645	6,844	2,365	348	216	209	284	562	2,342	4,271	6,748	4,829
<b>80% Exceedance</b>	4,123	6,331	1,524	217	206	200	203	274	1,161	3,707	6,391	4,641
<b>90% Exceedance</b>	3,713	3,050	411	196	193	194	192	189	259	2,595	5,635	4,035
<b>Full Simulation Period Average<sup>a</sup></b>	8,827	8,982	6,874	3,737	1,591	1,280	1,556	2,550	4,250	5,995	8,316	8,539
<b>Wet Water Years (32%)</b>	3,963	5,503	5,338	679	231	241	320	612	1,491	3,123	5,755	4,168
<b>Above Normal Years (15%)</b>	4,885	7,053	6,055	2,128	503	253	402	826	2,842	4,297	6,604	4,776
<b>Below Normal Years (17%)</b>	11,717	9,691	6,334	3,744	937	900	1,071	1,934	4,158	6,059	8,996	11,423
<b>Dry Water Years (22%)</b>	13,094	11,634	7,436	6,073	2,636	1,770	2,223	3,825	6,083	8,155	10,291	12,150
<b>Critical Water Years (15%)</b>	13,535	13,643	10,813	8,457	4,822	4,263	4,951	7,282	8,993	10,603	11,819	12,993

**Table 6B1-7-3c. Sacramento River at Mallard Slough, Alternative 2 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-537	-220	-212	259	-12	0	48	46	19	-99	-390	-490
<b>20% Exceedance</b>	-443	-352	-25	33	155	38	2	10	-24	-184	-384	-327
<b>30% Exceedance</b>	-377	-343	3	-211	85	65	51	28	-54	-167	-351	-420
<b>40% Exceedance</b>	-91	292	212	5	40	18	4	0	10	-14	-4	-227
<b>50% Exceedance</b>	-156	-90	-245	96	15	28	-6	1	14	-2	2	-266
<b>60% Exceedance</b>	-182	-28	-37	208	8	8	0	0	-1	-21	-123	-276
<b>70% Exceedance</b>	-244	2	129	8	2	1	2	2	-2	-20	-184	-258
<b>80% Exceedance</b>	-86	-24	229	5	4	2	1	0	0	6	-182	-260
<b>90% Exceedance</b>	-122	245	3	0	0	1	1	0	0	1	-166	-228
<b>Full Simulation Period Average<sup>a</sup></b>	-233	-74	-2	6	20	18	11	-7	-12	-45	-213	-292
<b>Wet Water Years (32%)</b>	-114	23	51	20	2	1	1	7	1	2	-144	-218
<b>Above Normal Years (15%)</b>	-214	-98	54	68	27	8	1	-4	-14	-13	-179	-245
<b>Below Normal Years (17%)</b>	-249	117	72	-135	1	14	11	1	2	-1	-118	-218
<b>Dry Water Years (22%)</b>	-454	-366	-148	38	50	32	13	-19	-15	-109	-328	-412
<b>Critical Water Years (15%)</b>	-158	-45	-37	32	29	50	37	-31	-49	-132	-336	-407

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-7-4a. Sacramento River at Mallard Slough, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	13,904	13,471	12,924	9,211	4,644	4,446	4,918	6,028	7,299	9,316	11,882	13,261
<b>20% Exceedance</b>	13,533	13,226	11,386	7,916	2,601	2,296	2,420	4,969	6,840	8,669	10,799	12,685
<b>30% Exceedance</b>	13,302	12,846	9,936	6,881	1,536	838	1,472	4,176	6,053	8,134	10,496	12,543
<b>40% Exceedance</b>	12,895	11,546	8,909	3,408	759	613	1,109	2,164	4,885	6,660	9,538	12,054
<b>50% Exceedance</b>	11,840	8,350	7,835	2,220	510	393	710	1,344	4,054	5,756	8,883	11,082
<b>60% Exceedance</b>	5,197	7,455	6,353	1,121	237	255	399	832	3,252	4,819	7,217	5,312
<b>70% Exceedance</b>	4,889	6,843	2,236	340	213	208	282	560	2,344	4,291	6,933	5,087
<b>80% Exceedance</b>	4,210	6,355	1,294	212	202	198	202	274	1,161	3,701	6,573	4,900
<b>90% Exceedance</b>	3,836	2,805	408	196	193	193	191	189	259	2,595	5,801	4,264
<b>Full Simulation Period Average<sup>a</sup></b>	9,060	9,056	6,876	3,730	1,571	1,261	1,545	2,557	4,262	6,040	8,529	8,831
<b>Wet Water Years (32%)</b>	4,076	5,480	5,287	658	229	241	320	605	1,490	3,120	5,899	4,386
<b>Above Normal Years (15%)</b>	5,099	7,151	6,001	2,059	476	244	401	830	2,856	4,310	6,784	5,021
<b>Below Normal Years (17%)</b>	11,967	9,574	6,261	3,879	936	886	1,061	1,933	4,156	6,059	9,114	11,641
<b>Dry Water Years (22%)</b>	13,548	12,000	7,584	6,035	2,586	1,738	2,210	3,844	6,098	8,264	10,618	12,562
<b>Critical Water Years (15%)</b>	13,694	13,688	10,850	8,425	4,793	4,213	4,914	7,313	9,043	10,735	12,156	13,400

**Table 6B1-7-4b. Sacramento River at Mallard Slough, Alternative 3 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	13,709	13,362	12,690	9,539	4,646	4,458	5,013	6,057	7,314	9,238	11,620	13,007
<b>20% Exceedance</b>	13,262	13,084	11,366	7,914	2,724	2,352	2,445	4,978	6,819	8,486	10,485	12,480
<b>30% Exceedance</b>	12,911	12,460	9,933	6,671	1,624	902	1,523	4,044	6,001	7,985	10,253	12,165
<b>40% Exceedance</b>	12,728	11,208	9,288	3,436	800	672	1,143	2,206	4,908	6,598	9,490	11,802
<b>50% Exceedance</b>	9,945	7,960	7,649	2,314	520	421	704	1,344	4,049	5,765	8,778	10,505
<b>60% Exceedance</b>	5,042	7,223	5,977	1,311	245	276	399	832	3,250	4,726	7,085	5,092
<b>70% Exceedance</b>	4,662	6,770	2,225	347	215	209	283	562	2,342	4,291	6,804	4,836
<b>80% Exceedance</b>	4,130	5,706	1,230	214	204	200	205	275	1,163	3,707	6,369	4,718
<b>90% Exceedance</b>	3,744	3,148	409	196	193	194	192	190	260	2,595	5,645	3,898
<b>Full Simulation Period Average<sup>a</sup></b>	8,755	8,830	6,837	3,742	1,587	1,278	1,561	2,545	4,259	5,996	8,337	8,590
<b>Wet Water Years (32%)</b>	4,018	5,545	5,373	658	230	242	330	593	1,475	3,125	5,753	4,201
<b>Above Normal Years (15%)</b>	4,829	6,841	5,957	2,153	507	254	415	796	2,852	4,295	6,584	4,756
<b>Below Normal Years (17%)</b>	11,063	8,648	6,174	3,785	959	922	1,079	1,924	4,182	6,045	8,999	11,440
<b>Dry Water Years (22%)</b>	13,152	11,830	7,419	6,099	2,627	1,759	2,222	3,850	6,110	8,161	10,326	12,191
<b>Critical Water Years (15%)</b>	13,658	13,649	10,787	8,427	4,780	4,238	4,946	7,293	9,015	10,611	11,932	13,205

**Table 6B1-7-4c. Sacramento River at Mallard Slough, Alternative 3 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-195	-109	-234	329	2	12	95	29	14	-78	-262	-254
<b>20% Exceedance</b>	-272	-141	-20	-2	123	56	25	9	-21	-184	-315	-205
<b>30% Exceedance</b>	-391	-386	-3	-210	88	64	51	-132	-51	-149	-242	-377
<b>40% Exceedance</b>	-167	-338	379	27	41	59	34	41	23	-62	-48	-251
<b>50% Exceedance</b>	-1,895	-390	-186	94	11	28	-6	1	-5	9	-104	-577
<b>60% Exceedance</b>	-155	-232	-376	190	8	21	0	0	-2	-93	-132	-220
<b>70% Exceedance</b>	-227	-72	-11	8	2	1	1	2	-2	0	-129	-251
<b>80% Exceedance</b>	-80	-648	-65	2	2	2	2	0	2	6	-204	-182
<b>90% Exceedance</b>	-91	343	1	0	0	1	1	0	0	1	-157	-365
<b>Full Simulation Period Average<sup>a</sup></b>	-304	-226	-39	12	16	16	16	-12	-2	-44	-192	-242
<b>Wet Water Years (32%)</b>	-58	64	87	-1	1	1	10	-12	-15	5	-146	-185
<b>Above Normal Years (15%)</b>	-270	-310	-44	94	31	10	14	-34	-3	-15	-199	-265
<b>Below Normal Years (17%)</b>	-904	-926	-87	-94	23	36	19	-9	26	-15	-114	-201
<b>Dry Water Years (22%)</b>	-396	-170	-165	64	41	21	12	6	12	-103	-292	-371
<b>Critical Water Years (15%)</b>	-36	-39	-63	2	-12	25	31	-20	-28	-123	-224	-195

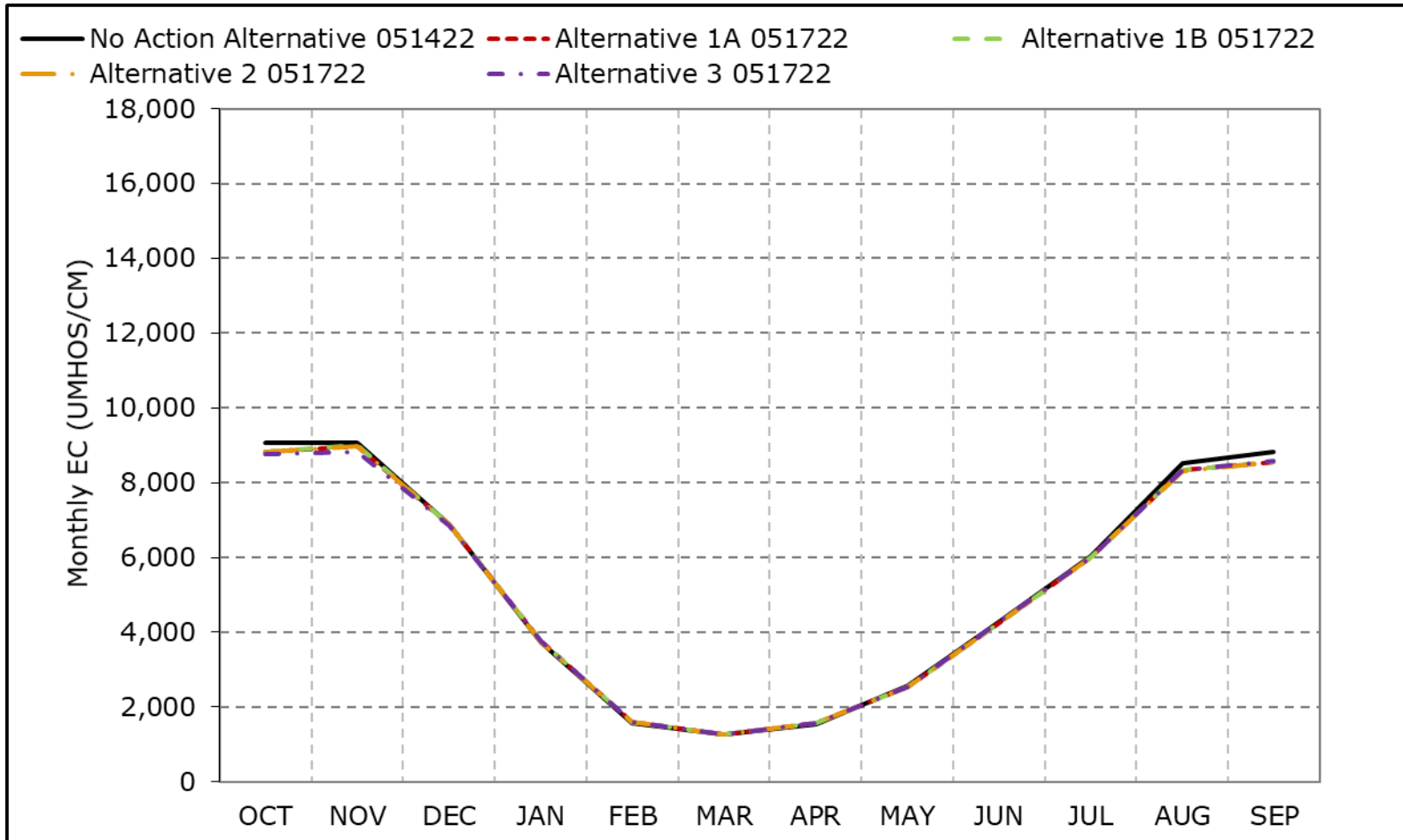
<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Figure 6B1-7-1. Sacramento River at Mallard Slough, Long-Term Average EC**

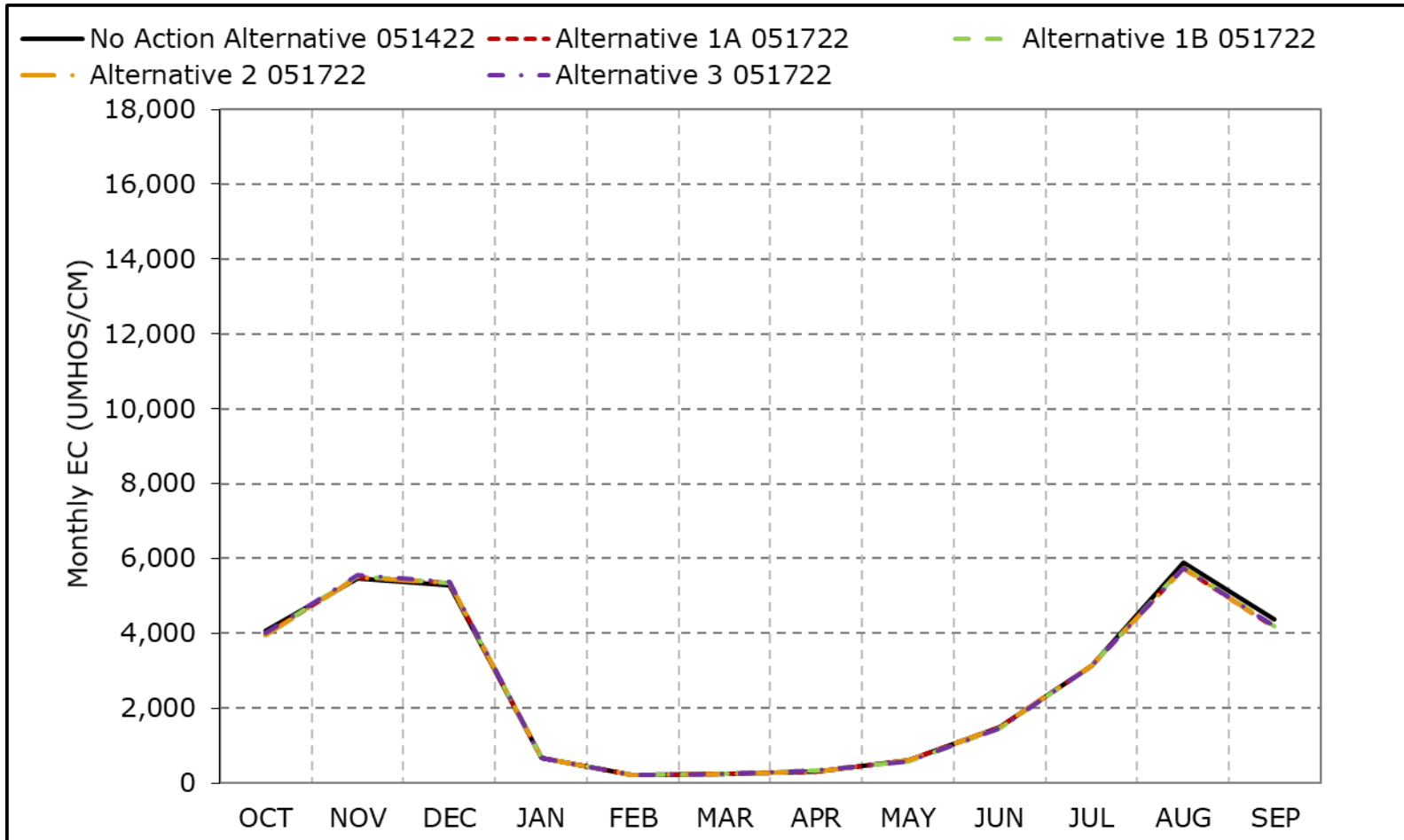


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-7-2. Sacramento River at Mallard Slough, Wet Year Average EC**

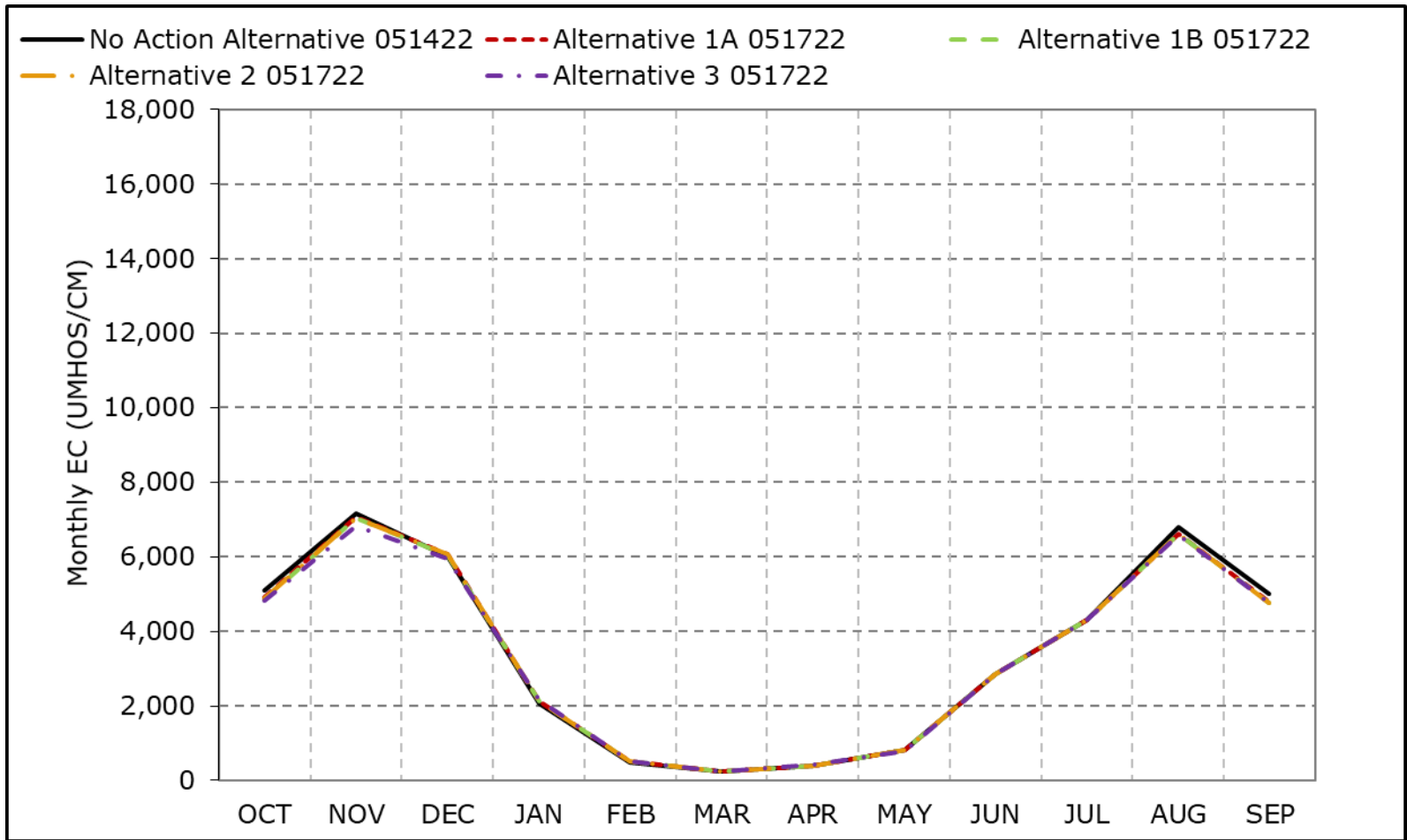


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-7-3. Sacramento River at Mallard Slough, Above Normal Year Average EC**

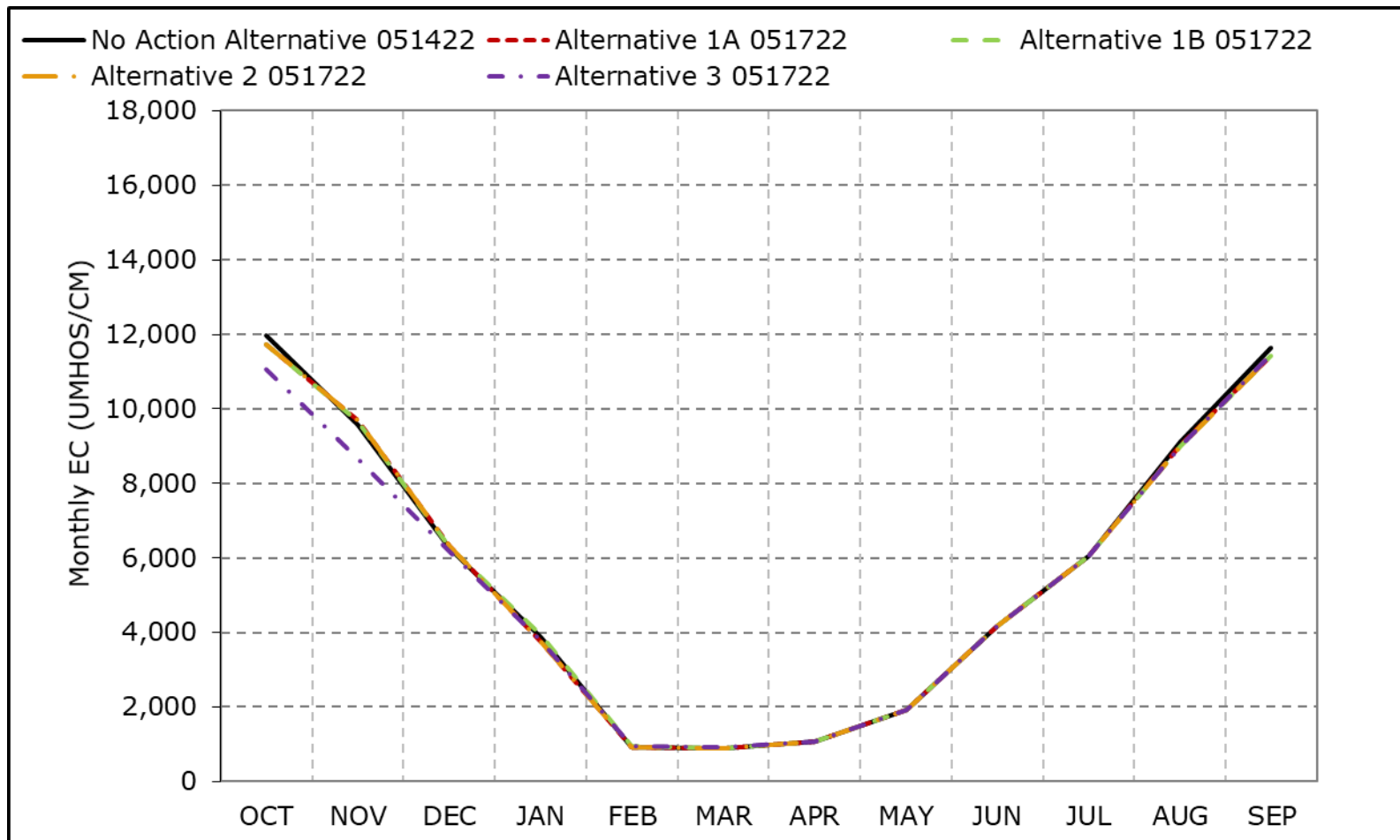


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-7-4. Sacramento River at Mallard Slough, Below Normal Year Average EC**

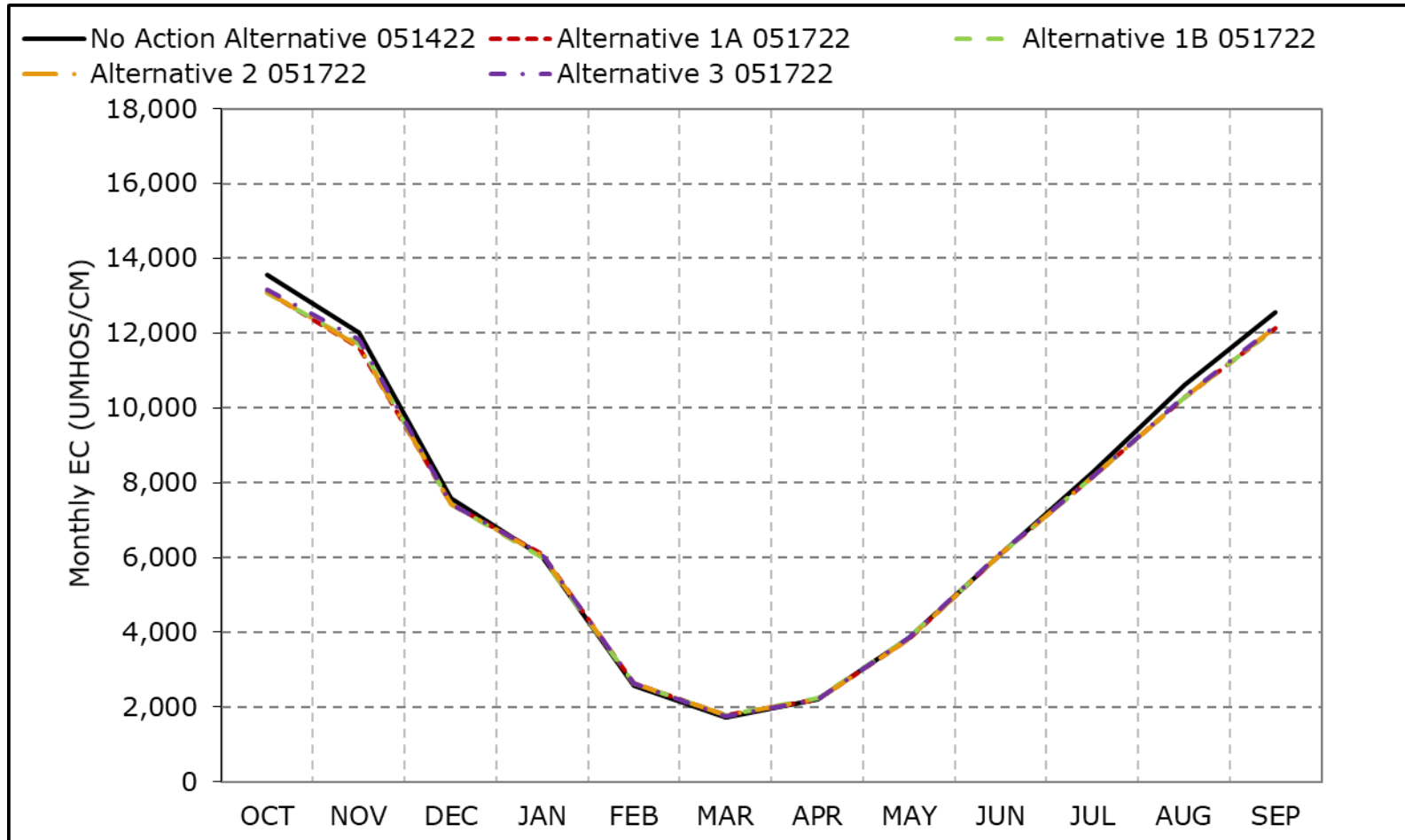


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-7-5. Sacramento River at Mallard Slough, Dry Year Average EC**

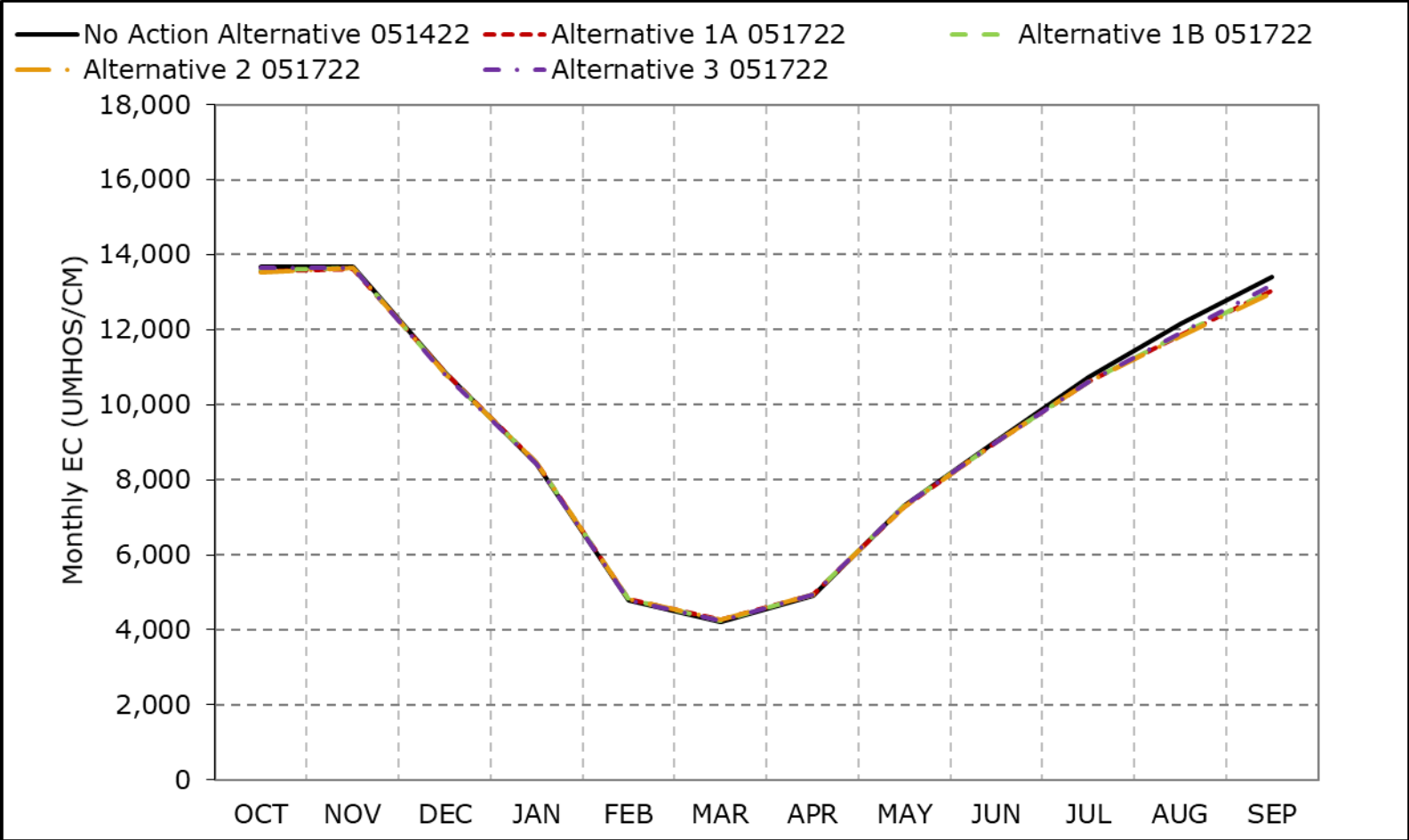


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

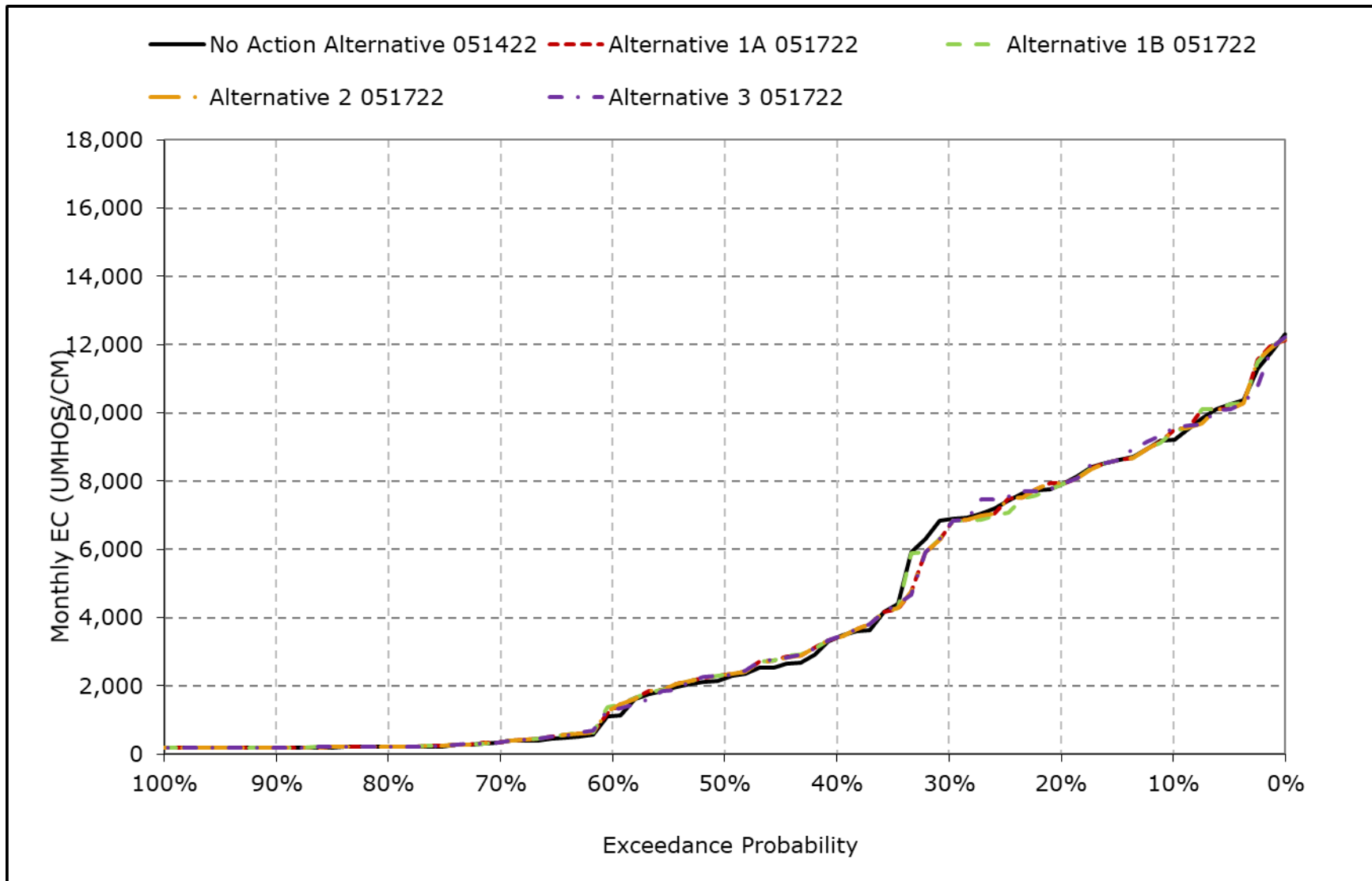
**Figure 6B1-7-6. Sacramento River at Mallard Slough, Critical Year Average EC**



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

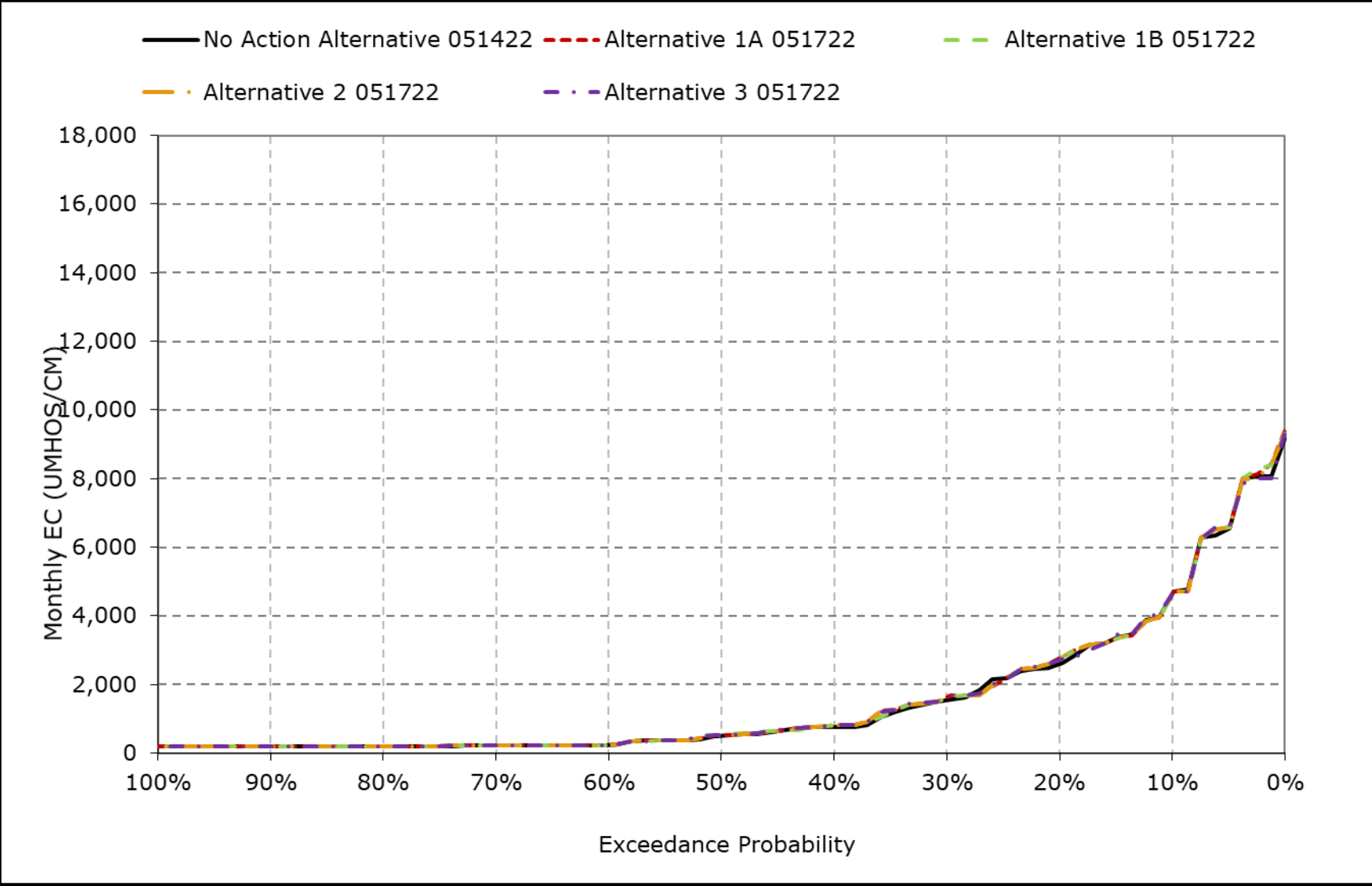


**Figure 6B1-7-7. Sacramento River at Mallard Slough Salinity, January EC**



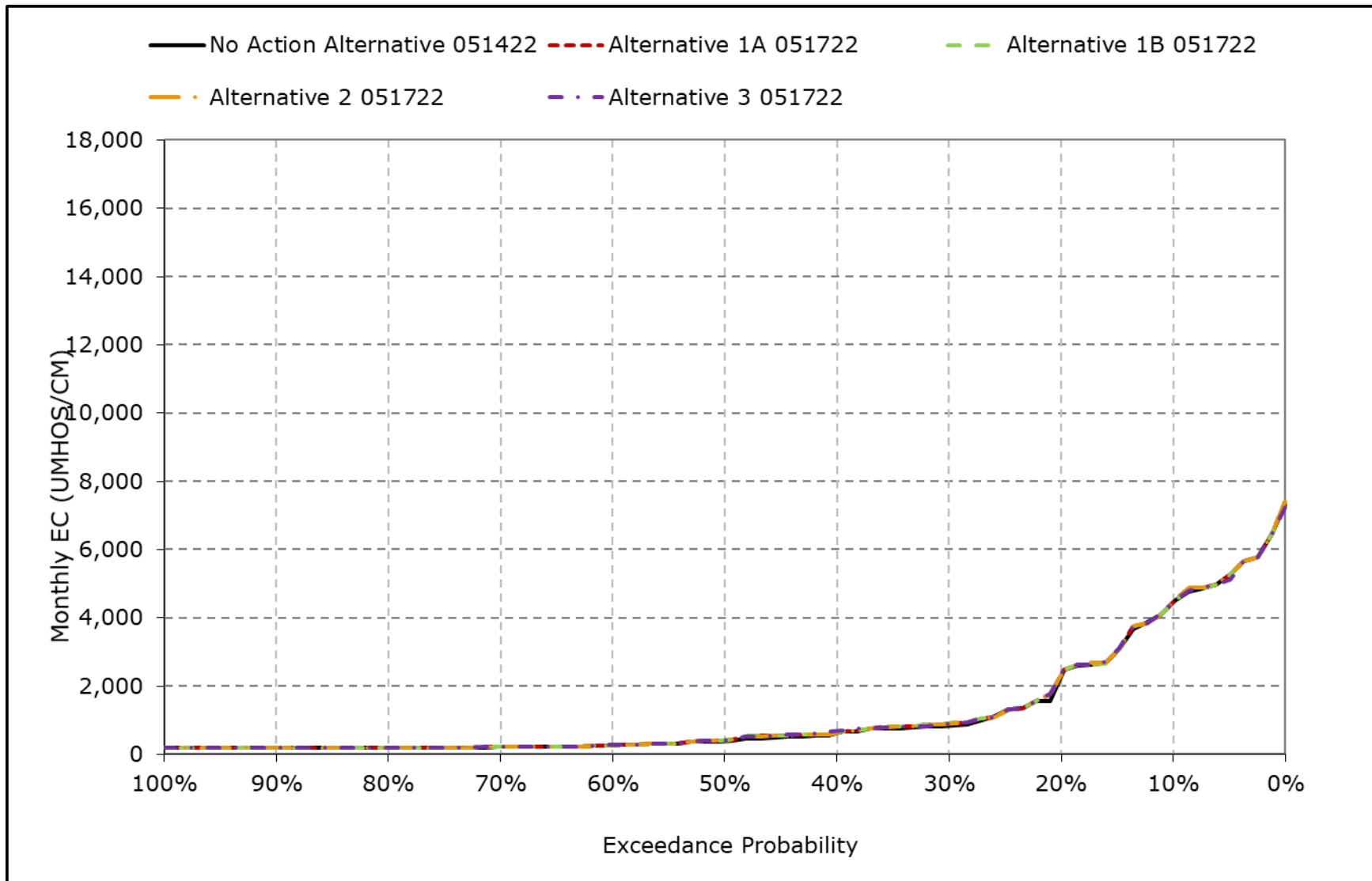
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-7-8. Sacramento River at Mallard Slough Salinity, February EC**



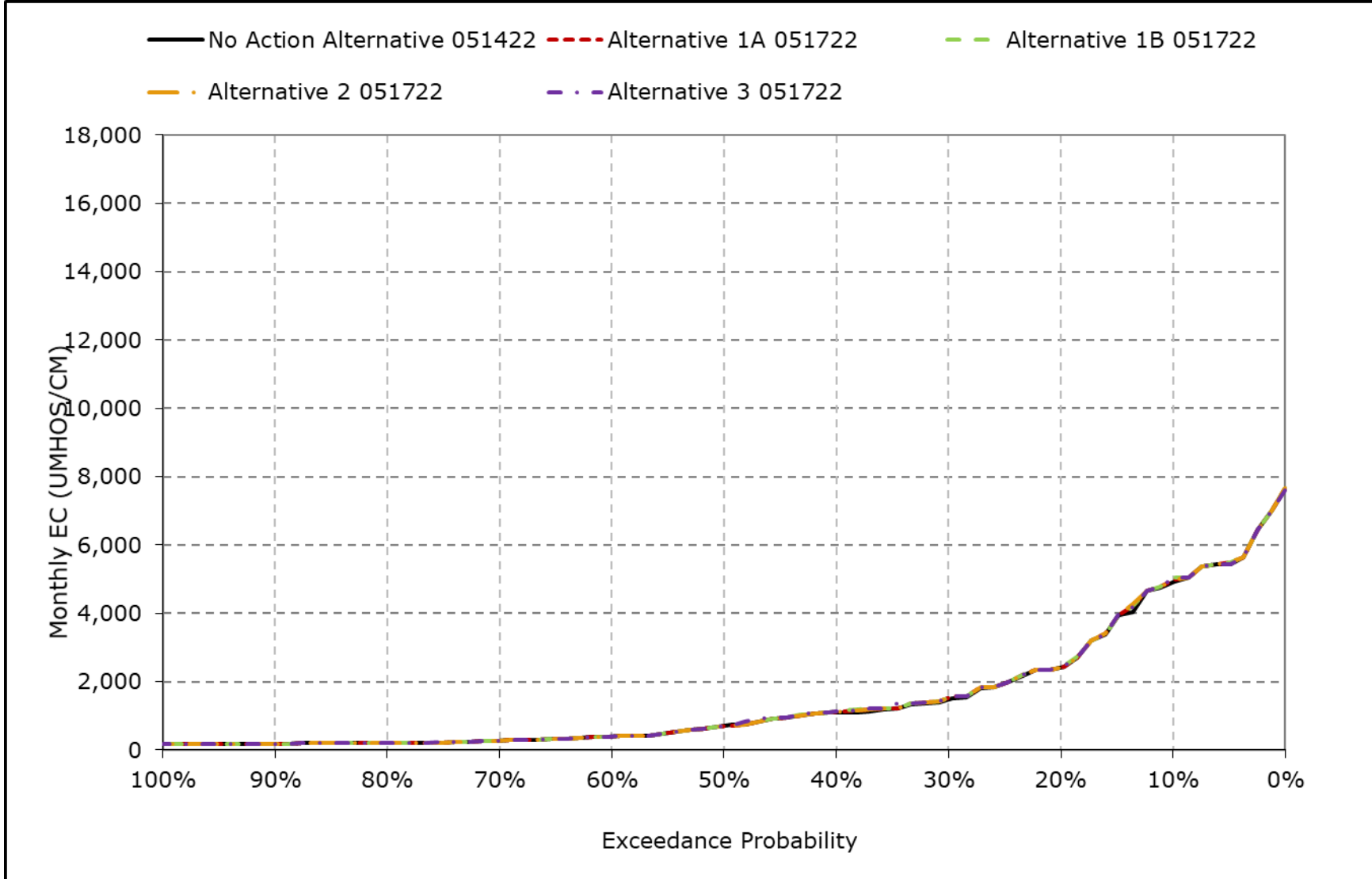
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-7-9. Sacramento River at Mallard Slough Salinity, March EC**



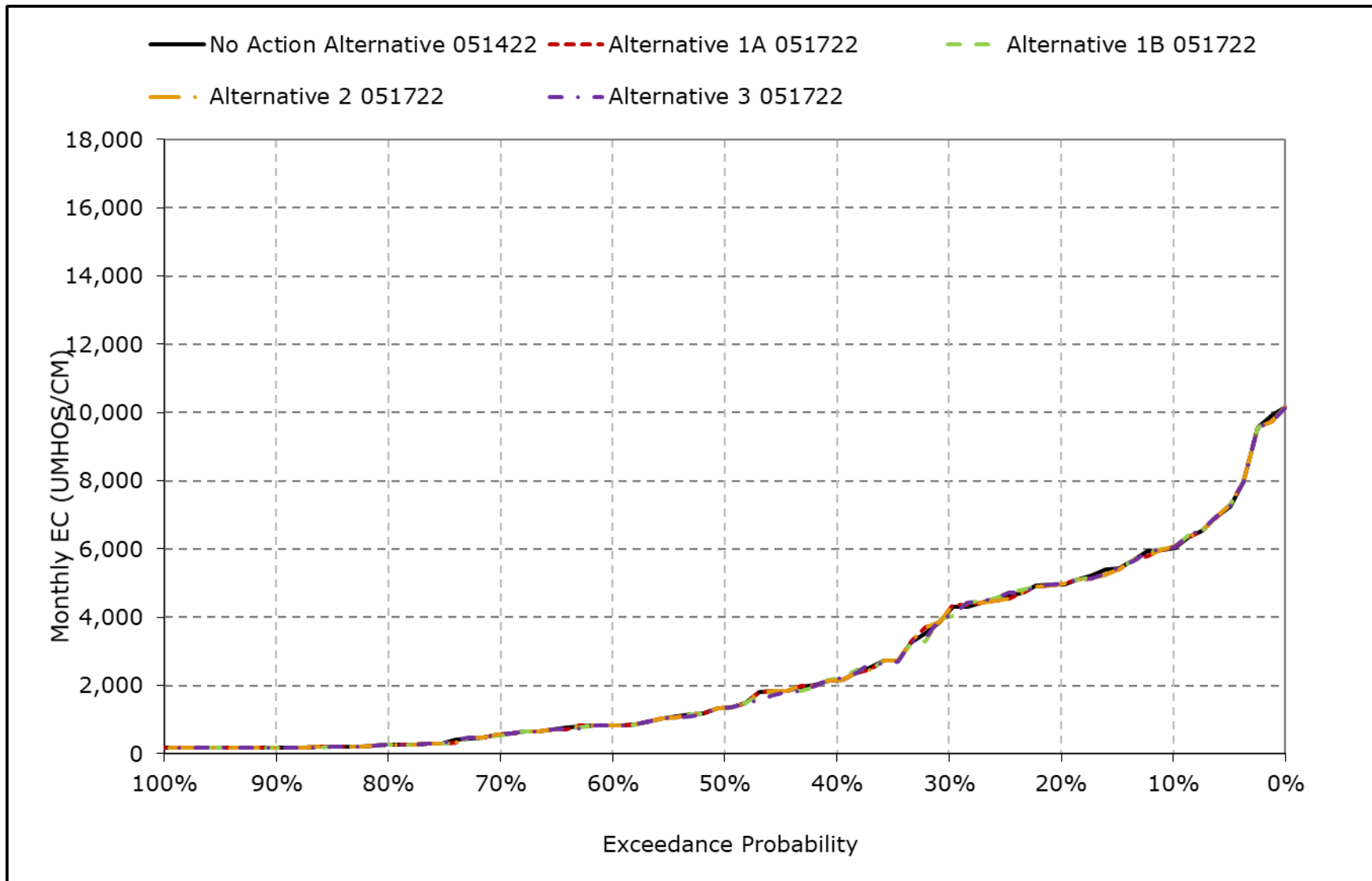
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-7-10. Sacramento River at Mallard Slough Salinity, April EC**



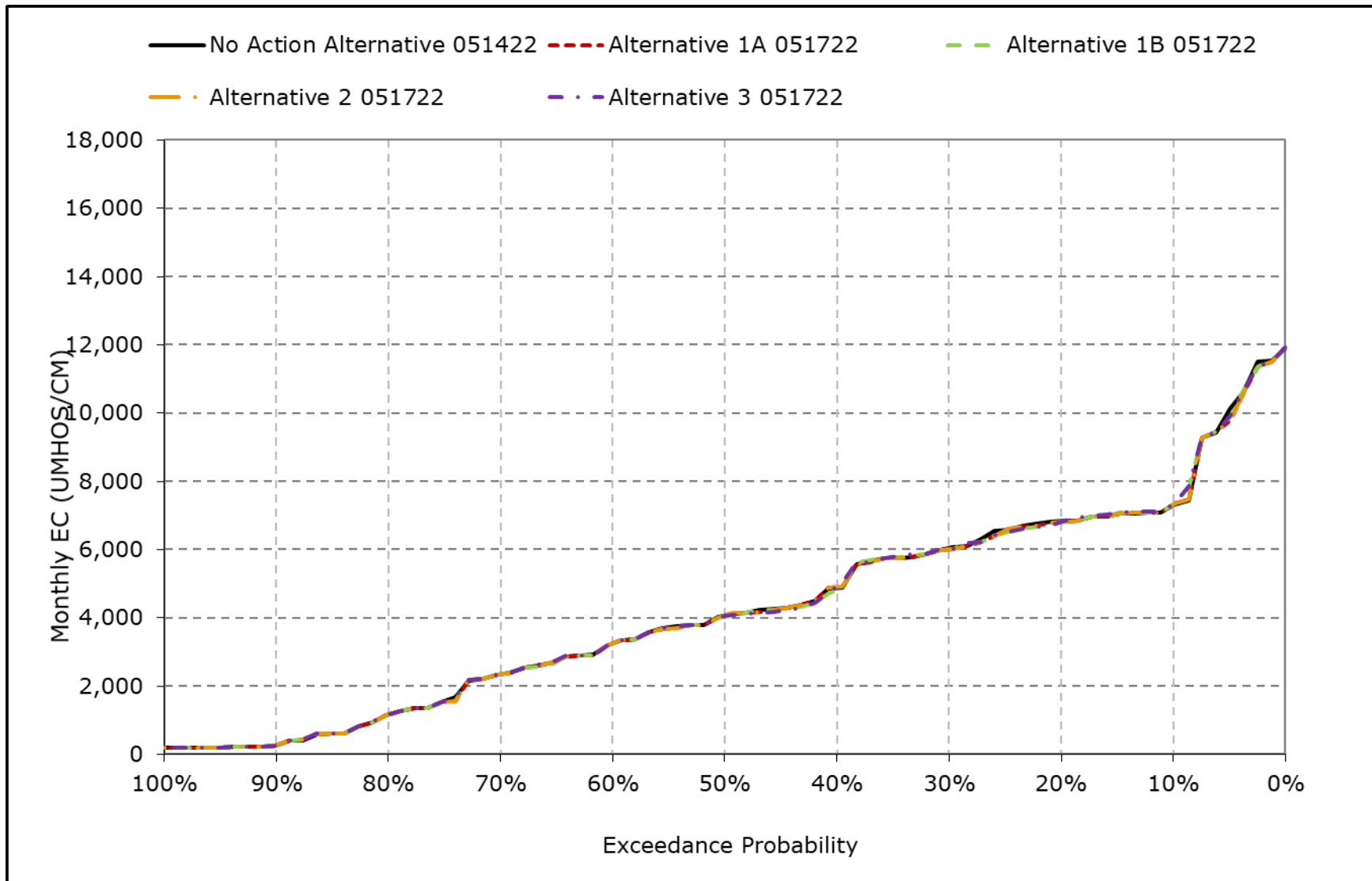
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-7-11. Sacramento River at Mallard Slough Salinity, May EC**



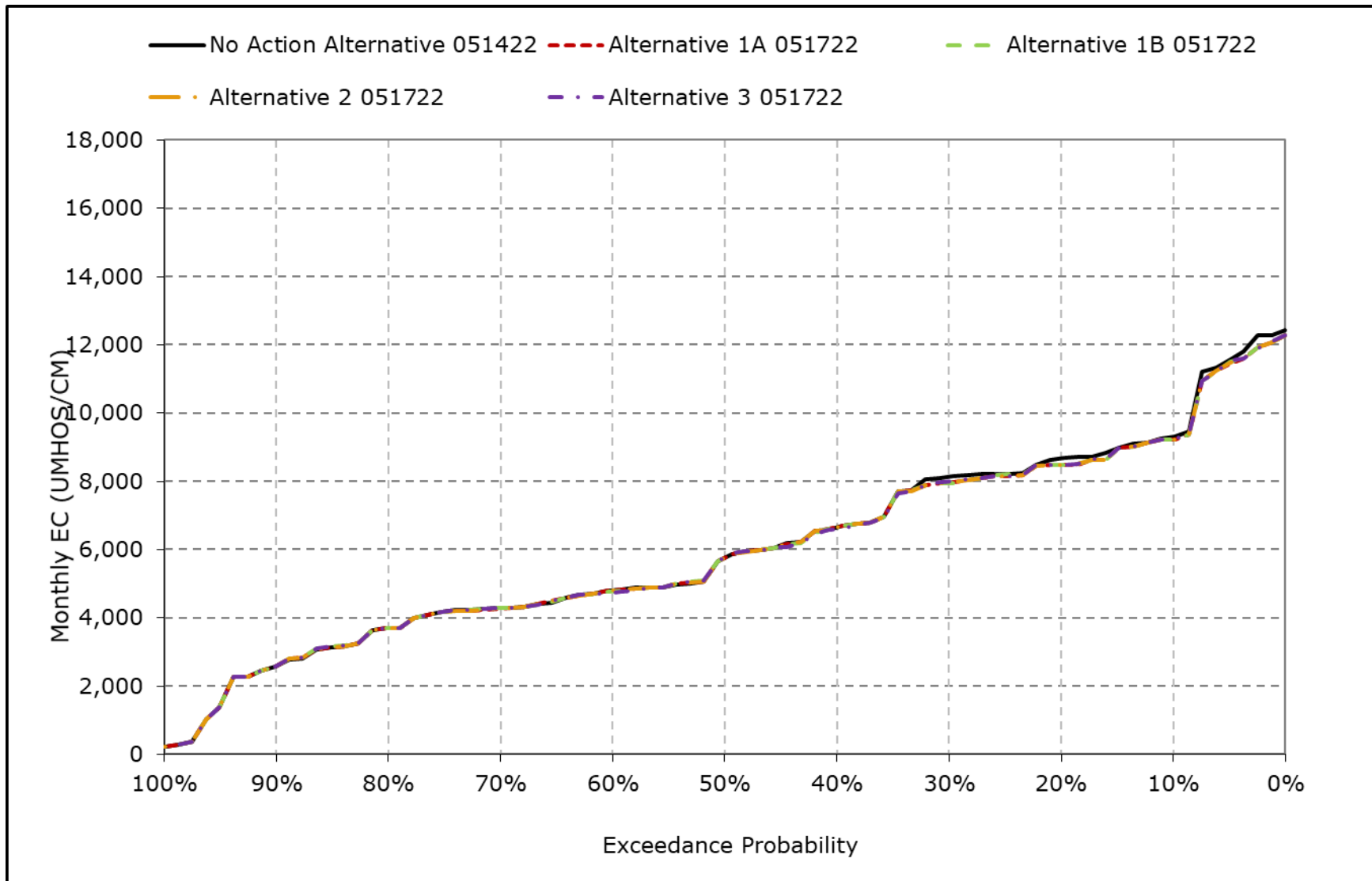
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-7-12. Sacramento River at Mallard Slough Salinity, June EC**



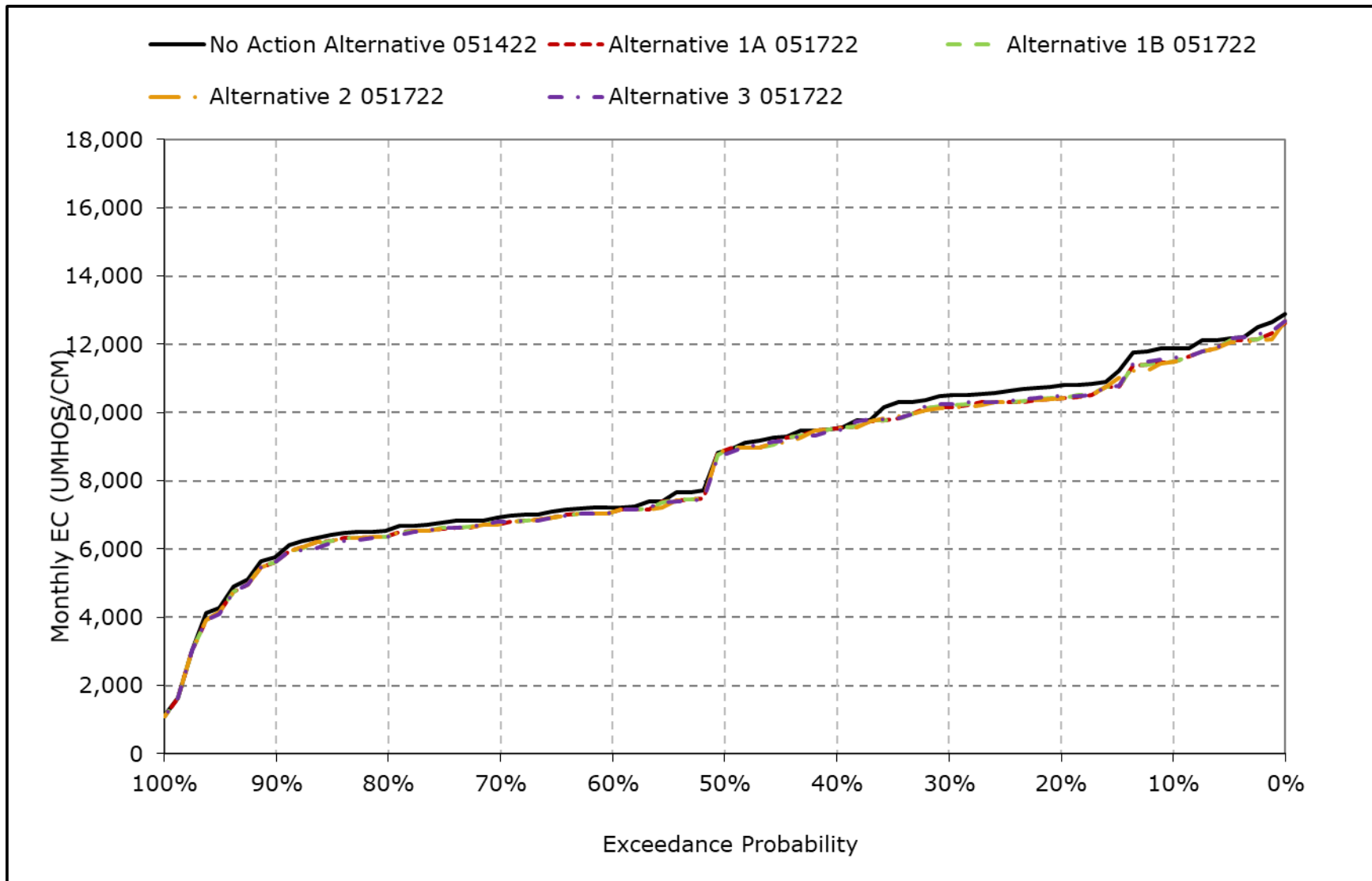
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-7-13. Sacramento River at Mallard Slough Salinity, July EC**



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

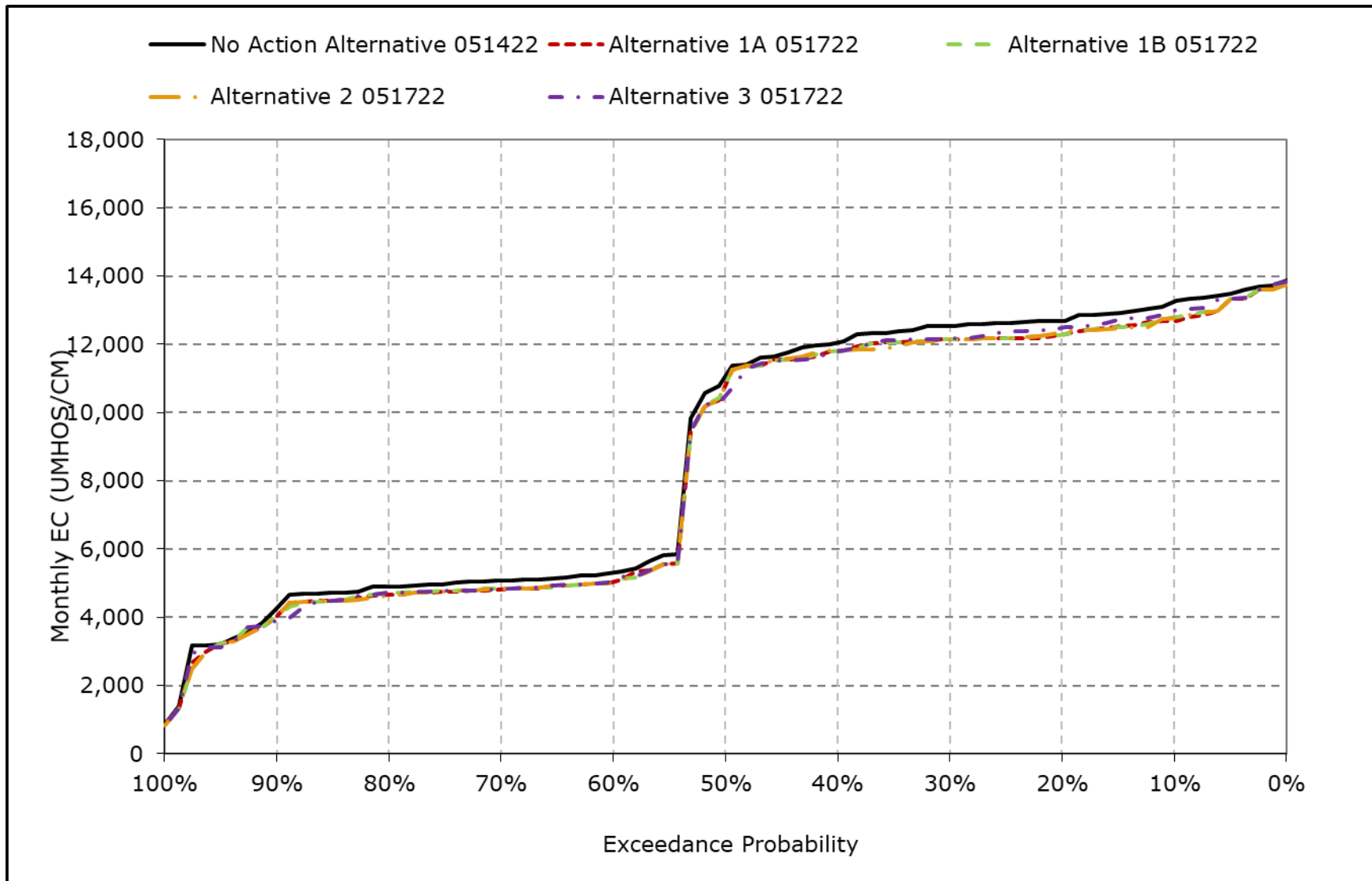
**Figure 6B1-7-14. Sacramento River at Mallard Slough Salinity, August EC**



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

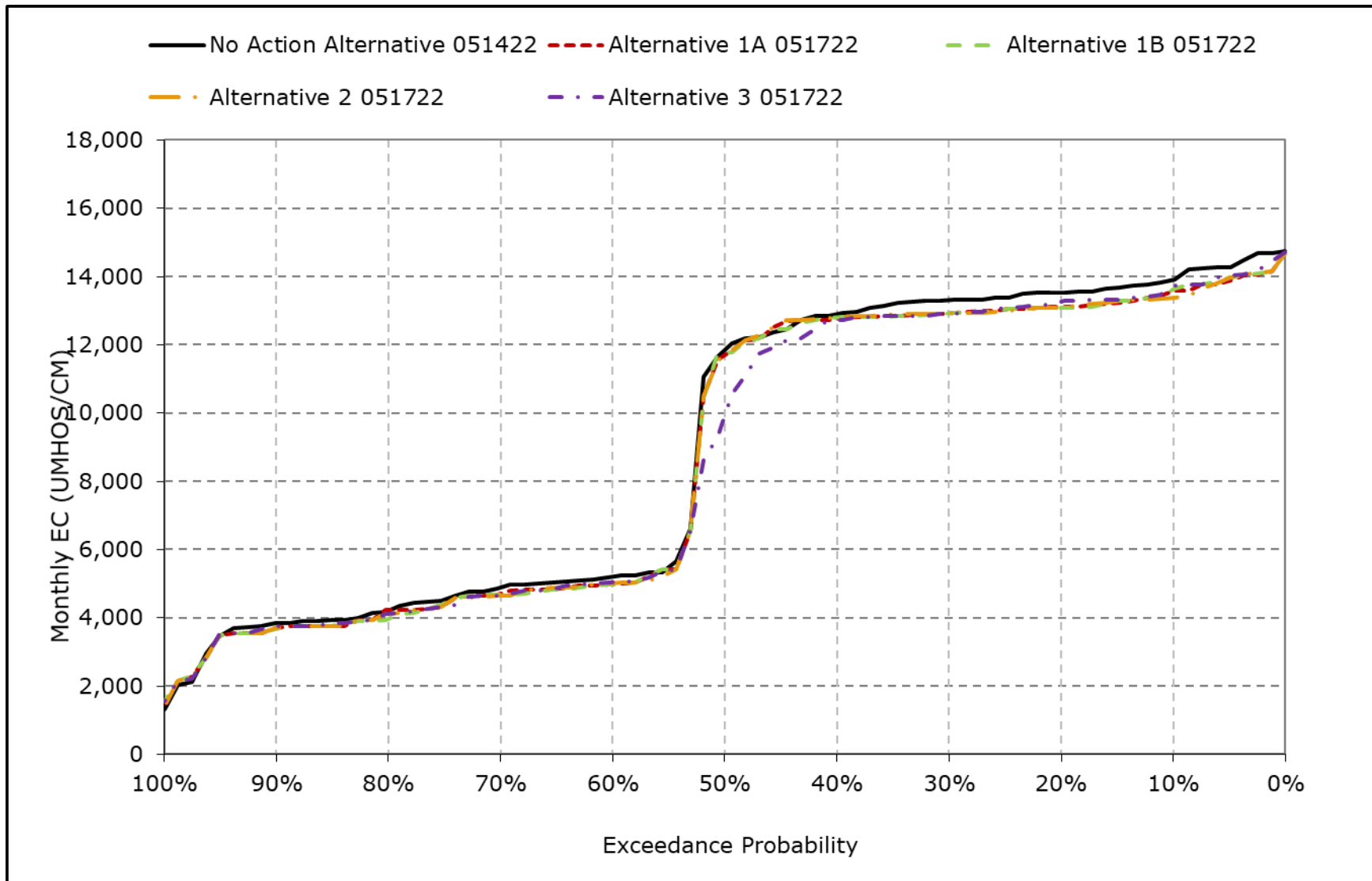


**Figure 6B1-7-15. Sacramento River at Mallard Slough Salinity, September EC**



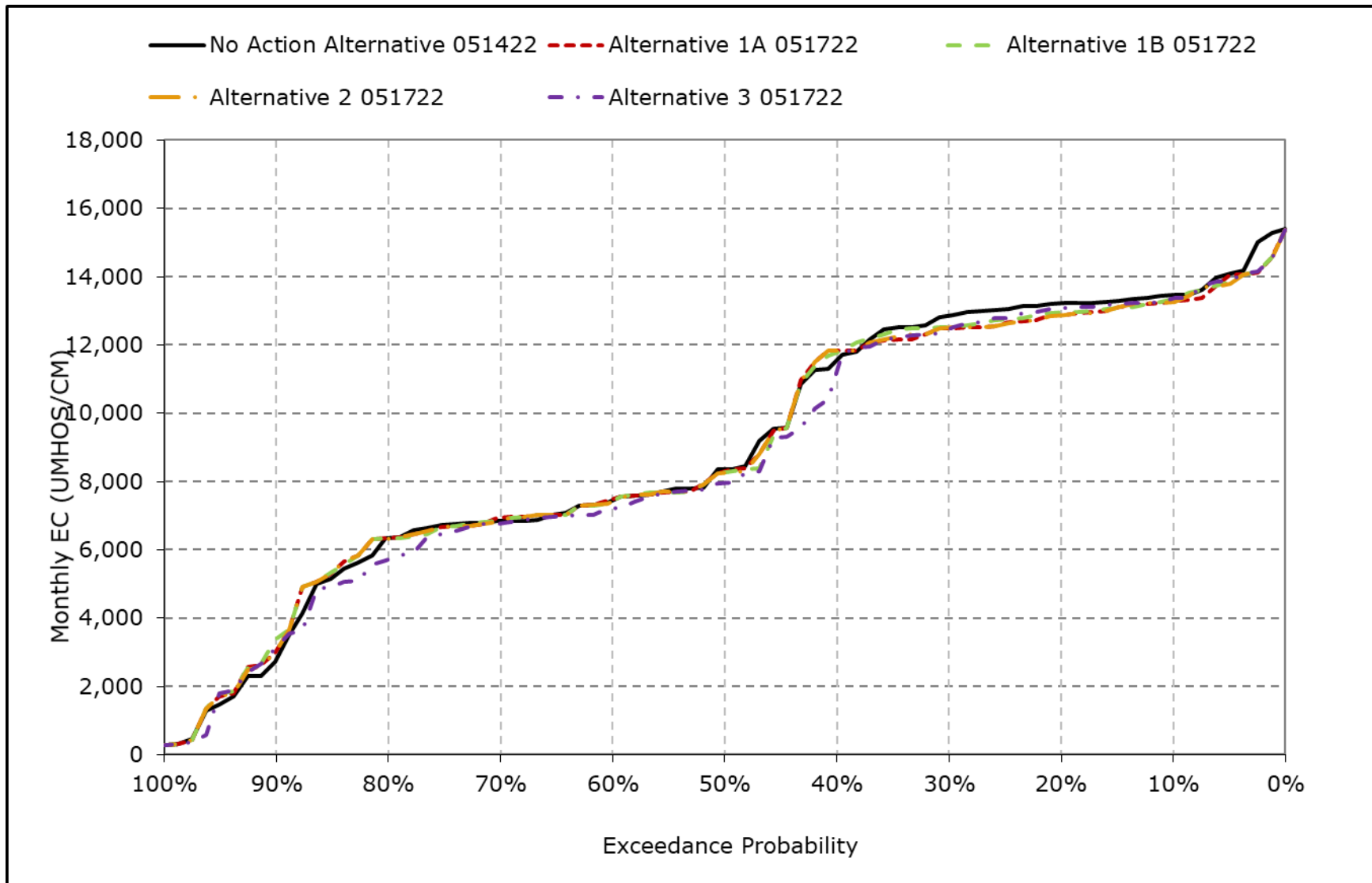
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-7-16. Sacramento River at Mallard Slough Salinity, October EC**



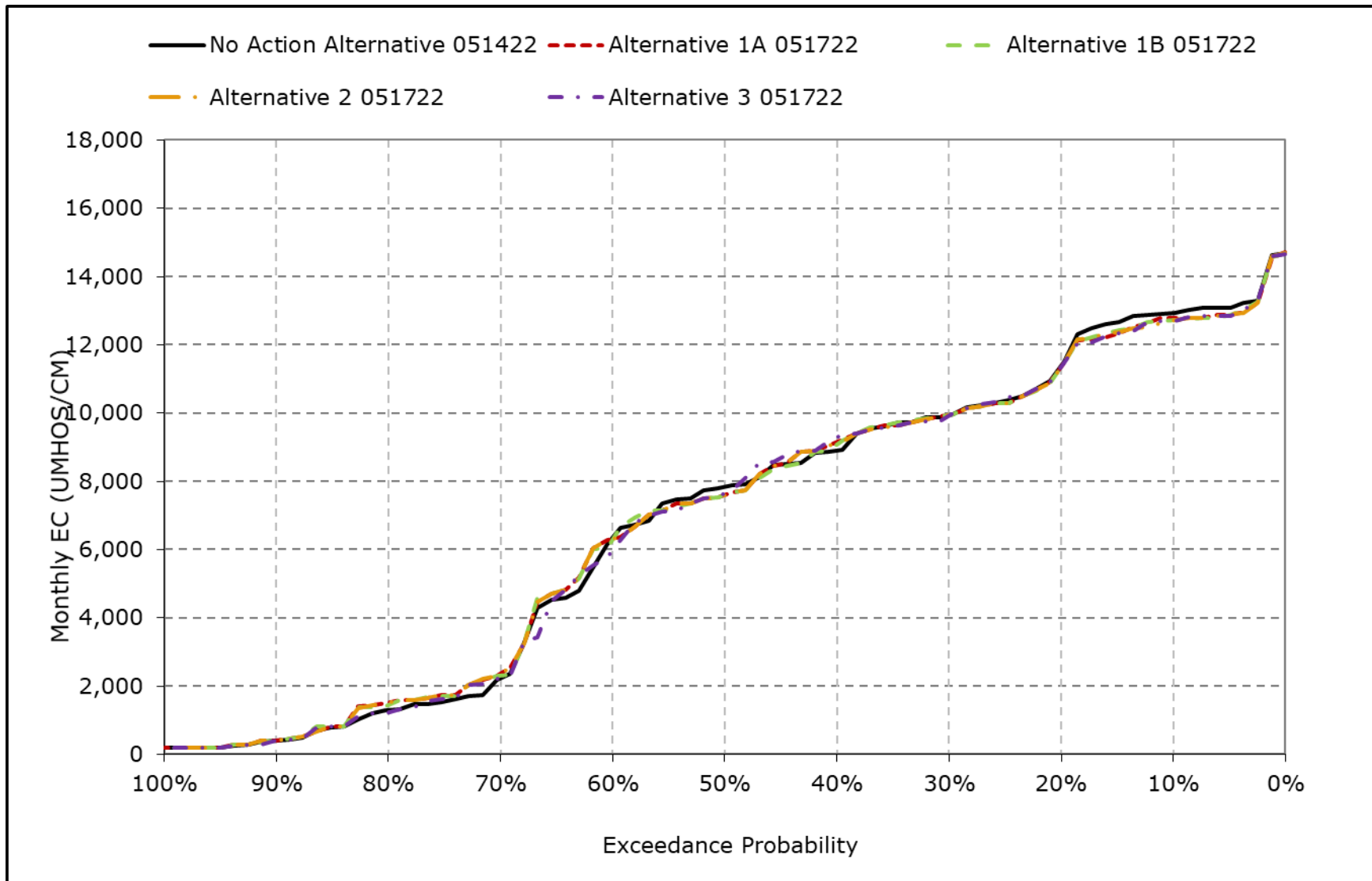
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-7-17. Sacramento River at Mallard Slough Salinity, November EC**



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

**Figure 6B1-7-18. Sacramento River at Mallard Slough Salinity, December EC**



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

**Table 6B1-8-1a. Chipps Island North Channel, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	14,831	14,387	13,866	10,242	5,461	5,206	5,679	6,804	8,150	10,258	12,833	14,222
<b>20% Exceedance</b>	14,450	14,134	12,399	8,919	3,095	2,808	2,964	5,736	7,675	9,532	11,718	13,637
<b>30% Exceedance</b>	14,218	13,758	10,896	7,815	1,882	1,063	1,809	4,857	6,828	9,027	11,418	13,489
<b>40% Exceedance</b>	13,834	12,484	9,915	4,047	957	789	1,402	2,641	5,641	7,533	10,448	12,957
<b>50% Exceedance</b>	12,824	9,238	8,818	2,709	599	484	912	1,650	4,652	6,601	9,774	12,053
<b>60% Exceedance</b>	5,998	8,358	7,286	1,410	254	289	495	1,049	3,864	5,600	8,059	6,147
<b>70% Exceedance</b>	5,649	7,684	2,726	410	216	209	320	715	2,776	5,004	7,763	5,898
<b>80% Exceedance</b>	4,958	7,224	1,529	214	206	200	208	325	1,449	4,346	7,420	5,704
<b>90% Exceedance</b>	4,532	3,380	478	196	193	194	191	194	302	3,055	6,616	5,007
<b>Full Simulation Period Average<sup>a</sup></b>	9,886	9,886	7,573	4,209	1,828	1,477	1,816	2,940	4,831	6,794	9,392	9,694
<b>Wet Water Years (32%)</b>	4,775	6,211	5,897	748	242	263	368	719	1,766	3,660	6,660	5,125
<b>Above Normal Years (15%)</b>	5,877	7,985	6,687	2,387	557	269	482	1,027	3,337	5,020	7,608	5,840
<b>Below Normal Years (17%)</b>	12,847	10,419	6,867	4,456	1,127	1,086	1,305	2,318	4,794	6,899	10,015	12,572
<b>Dry Water Years (22%)</b>	14,474	12,913	8,291	6,817	3,050	2,074	2,651	4,467	6,886	9,171	11,553	13,511
<b>Critical Water Years (15%)</b>	14,631	14,589	11,832	9,333	5,519	4,876	5,634	8,100	9,926	11,670	13,127	14,360

**Table 6B1-8-1b. Chipps Island North Channel, Alternative 1A 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	14,489	14,214	13,700	10,495	5,448	5,206	5,731	6,844	8,170	10,161	12,529	13,699
<b>20% Exceedance</b>	14,042	13,812	12,380	8,929	3,280	2,836	2,966	5,747	7,658	9,396	11,375	13,248
<b>30% Exceedance</b>	13,886	13,417	10,890	7,631	1,989	1,144	1,867	4,887	6,792	8,889	11,115	13,086
<b>40% Exceedance</b>	13,718	12,803	10,194	4,049	1,006	810	1,415	2,642	5,660	7,520	10,463	12,749
<b>50% Exceedance</b>	12,669	9,181	8,578	2,814	620	523	904	1,652	4,666	6,603	9,758	11,793
<b>60% Exceedance</b>	5,783	8,373	7,262	1,630	266	301	495	1,049	3,863	5,588	7,944	5,866
<b>70% Exceedance</b>	5,468	7,803	2,882	423	218	214	322	718	2,773	4,992	7,585	5,627
<b>80% Exceedance</b>	4,915	7,209	1,853	221	207	201	210	325	1,449	4,347	7,242	5,468
<b>90% Exceedance</b>	4,426	3,662	511	198	194	195	193	194	302	3,056	6,451	4,771
<b>Full Simulation Period Average<sup>a</sup></b>	9,669	9,825	7,583	4,225	1,854	1,499	1,828	2,932	4,819	6,751	9,198	9,414
<b>Wet Water Years (32%)</b>	4,671	6,252	5,957	774	244	264	368	727	1,768	3,663	6,519	4,903
<b>Above Normal Years (15%)</b>	5,687	7,900	6,757	2,469	592	281	484	1,020	3,322	5,006	7,449	5,608
<b>Below Normal Years (17%)</b>	12,618	10,575	6,964	4,313	1,130	1,105	1,319	2,319	4,796	6,900	9,921	12,371
<b>Dry Water Years (22%)</b>	14,040	12,546	8,135	6,885	3,118	2,117	2,668	4,447	6,869	9,065	11,232	13,110
<b>Critical Water Years (15%)</b>	14,484	14,536	11,826	9,369	5,556	4,929	5,671	8,067	9,876	11,545	12,855	14,004

**Table 6B1-8-1c. Chipps Island North Channel, Alternative 1A 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-341	-174	-165	253	-13	0	52	40	20	-97	-304	-523
<b>20% Exceedance</b>	-407	-321	-18	11	185	27	2	11	-17	-137	-343	-389
<b>30% Exceedance</b>	-332	-341	-6	-185	107	80	59	30	-36	-139	-302	-403
<b>40% Exceedance</b>	-116	319	279	2	49	22	13	0	19	-13	15	-208
<b>50% Exceedance</b>	-156	-57	-240	105	21	40	-7	1	14	2	-16	-260
<b>60% Exceedance</b>	-216	15	-24	220	12	13	0	0	-1	-12	-115	-281
<b>70% Exceedance</b>	-181	119	156	12	2	5	1	3	-3	-12	-178	-271
<b>80% Exceedance</b>	-43	-15	325	6	1	1	2	0	-1	1	-178	-237
<b>90% Exceedance</b>	-107	282	33	2	1	1	2	0	0	1	-164	-236
<b>Full Simulation Period Average<sup>a</sup></b>	-216	-61	10	16	26	22	12	-7	-13	-43	-194	-279
<b>Wet Water Years (32%)</b>	-103	41	60	26	2	1	1	8	1	2	-141	-222
<b>Above Normal Years (15%)</b>	-190	-85	70	82	34	11	2	-6	-16	-14	-159	-232
<b>Below Normal Years (17%)</b>	-228	156	97	-143	2	19	14	1	2	0	-94	-201
<b>Dry Water Years (22%)</b>	-434	-366	-156	68	68	43	17	-21	-17	-107	-321	-401
<b>Critical Water Years (15%)</b>	-147	-53	-7	37	37	53	37	-33	-51	-126	-272	-357

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-8-2a. Chipps Island North Channel, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	14,831	14,387	13,866	10,242	5,461	5,206	5,679	6,804	8,150	10,258	12,833	14,222
<b>20% Exceedance</b>	14,450	14,134	12,399	8,919	3,095	2,808	2,964	5,736	7,675	9,532	11,718	13,637
<b>30% Exceedance</b>	14,218	13,758	10,896	7,815	1,882	1,063	1,809	4,857	6,828	9,027	11,418	13,489
<b>40% Exceedance</b>	13,834	12,484	9,915	4,047	957	789	1,402	2,641	5,641	7,533	10,448	12,957
<b>50% Exceedance</b>	12,824	9,238	8,818	2,709	599	484	912	1,650	4,652	6,601	9,774	12,053
<b>60% Exceedance</b>	5,998	8,358	7,286	1,410	254	289	495	1,049	3,864	5,600	8,059	6,147
<b>70% Exceedance</b>	5,649	7,684	2,726	410	216	209	320	715	2,776	5,004	7,763	5,898
<b>80% Exceedance</b>	4,958	7,224	1,529	214	206	200	208	325	1,449	4,346	7,420	5,704
<b>90% Exceedance</b>	4,532	3,380	478	196	193	194	191	194	302	3,055	6,616	5,007
<b>Full Simulation Period Average<sup>a</sup></b>	9,886	9,886	7,573	4,209	1,828	1,477	1,816	2,940	4,831	6,794	9,392	9,694
<b>Wet Water Years (32%)</b>	4,775	6,211	5,897	748	242	263	368	719	1,766	3,660	6,660	5,125
<b>Above Normal Years (15%)</b>	5,877	7,985	6,687	2,387	557	269	482	1,027	3,337	5,020	7,608	5,840
<b>Below Normal Years (17%)</b>	12,847	10,419	6,867	4,456	1,127	1,086	1,305	2,318	4,794	6,899	10,015	12,572
<b>Dry Water Years (22%)</b>	14,474	12,913	8,291	6,817	3,050	2,074	2,651	4,467	6,886	9,171	11,553	13,511
<b>Critical Water Years (15%)</b>	14,631	14,589	11,832	9,333	5,519	4,876	5,634	8,100	9,926	11,670	13,127	14,360

**Table 6B1-8-2b. Chipps Island North Channel, Alternative 1B 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	14,537	14,232	13,650	10,489	5,458	5,205	5,788	6,844	8,170	10,166	12,536	13,739
<b>20% Exceedance</b>	14,025	13,877	12,374	8,915	3,291	2,834	2,992	5,754	7,650	9,401	11,387	13,249
<b>30% Exceedance</b>	13,887	13,469	10,910	7,598	1,976	1,171	1,866	4,691	6,792	8,868	11,140	13,100
<b>40% Exceedance</b>	13,733	12,744	10,092	4,049	1,007	810	1,445	2,680	5,557	7,519	10,461	12,741
<b>50% Exceedance</b>	12,732	9,190	8,577	2,815	645	523	905	1,652	4,658	6,601	9,724	11,814
<b>60% Exceedance</b>	5,759	8,331	7,211	1,753	266	309	495	1,049	3,863	5,555	7,931	5,902
<b>70% Exceedance</b>	5,444	7,736	2,757	423	218	214	322	676	2,773	5,004	7,655	5,638
<b>80% Exceedance</b>	4,672	7,200	1,730	220	208	201	210	325	1,449	4,347	7,239	5,536
<b>90% Exceedance</b>	4,396	4,051	512	198	194	194	193	194	302	3,056	6,452	4,777
<b>Full Simulation Period Average<sup>a</sup></b>	9,661	9,846	7,576	4,230	1,854	1,499	1,832	2,929	4,822	6,754	9,201	9,422
<b>Wet Water Years (32%)</b>	4,672	6,279	5,979	774	243	264	372	696	1,745	3,664	6,521	4,931
<b>Above Normal Years (15%)</b>	5,627	7,869	6,720	2,465	592	281	485	1,012	3,332	5,012	7,450	5,567
<b>Below Normal Years (17%)</b>	12,624	10,547	6,924	4,499	1,148	1,105	1,315	2,322	4,809	6,896	9,914	12,372
<b>Dry Water Years (22%)</b>	14,013	12,629	8,131	6,766	3,108	2,117	2,678	4,469	6,887	9,071	11,244	13,111
<b>Critical Water Years (15%)</b>	14,518	14,555	11,819	9,366	5,553	4,923	5,676	8,080	9,893	11,548	12,864	14,027

**Table 6B1-8-2c. Chipps Island North Channel, Alternative 1B 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-294	-155	-216	247	-3	0	109	40	20	-92	-298	-483
<b>20% Exceedance</b>	-425	-257	-25	-3	197	26	28	18	-26	-131	-331	-388
<b>30% Exceedance</b>	-331	-290	14	-218	94	108	58	-166	-36	-160	-278	-390
<b>40% Exceedance</b>	-101	260	177	3	50	22	43	39	-84	-14	13	-215
<b>50% Exceedance</b>	-92	-48	-241	106	46	40	-7	1	6	0	-50	-239
<b>60% Exceedance</b>	-240	-28	-75	343	12	20	0	0	-2	-46	-127	-245
<b>70% Exceedance</b>	-205	52	31	13	2	5	1	-39	-3	0	-108	-259
<b>80% Exceedance</b>	-286	-24	202	6	2	1	2	0	0	1	-182	-169
<b>90% Exceedance</b>	-137	671	34	2	1	0	2	0	0	1	-164	-230
<b>Full Simulation Period Average<sup>a</sup></b>	-225	-41	3	21	27	22	16	-11	-10	-40	-191	-272
<b>Wet Water Years (32%)</b>	-103	68	82	26	1	1	4	-23	-22	4	-138	-194
<b>Above Normal Years (15%)</b>	-249	-116	33	79	35	12	3	-15	-5	-8	-158	-273
<b>Below Normal Years (17%)</b>	-223	128	57	44	21	19	10	4	16	-4	-101	-200
<b>Dry Water Years (22%)</b>	-461	-284	-160	-52	58	43	27	2	1	-100	-309	-400
<b>Critical Water Years (15%)</b>	-113	-34	-13	34	33	47	43	-20	-33	-123	-264	-333

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-8-3a. Chipps Island North Channel, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	14,831	14,387	13,866	10,242	5,461	5,206	5,679	6,804	8,150	10,258	12,833	14,222
<b>20% Exceedance</b>	14,450	14,134	12,399	8,919	3,095	2,808	2,964	5,736	7,675	9,532	11,718	13,637
<b>30% Exceedance</b>	14,218	13,758	10,896	7,815	1,882	1,063	1,809	4,857	6,828	9,027	11,418	13,489
<b>40% Exceedance</b>	13,834	12,484	9,915	4,047	957	789	1,402	2,641	5,641	7,533	10,448	12,957
<b>50% Exceedance</b>	12,824	9,238	8,818	2,709	599	484	912	1,650	4,652	6,601	9,774	12,053
<b>60% Exceedance</b>	5,998	8,358	7,286	1,410	254	289	495	1,049	3,864	5,600	8,059	6,147
<b>70% Exceedance</b>	5,649	7,684	2,726	410	216	209	320	715	2,776	5,004	7,763	5,898
<b>80% Exceedance</b>	4,958	7,224	1,529	214	206	200	208	325	1,449	4,346	7,420	5,704
<b>90% Exceedance</b>	4,532	3,380	478	196	193	194	191	194	302	3,055	6,616	5,007
<b>Full Simulation Period Average<sup>a</sup></b>	9,886	9,886	7,573	4,209	1,828	1,477	1,816	2,940	4,831	6,794	9,392	9,694
<b>Wet Water Years (32%)</b>	4,775	6,211	5,897	748	242	263	368	719	1,766	3,660	6,660	5,125
<b>Above Normal Years (15%)</b>	5,877	7,985	6,687	2,387	557	269	482	1,027	3,337	5,020	7,608	5,840
<b>Below Normal Years (17%)</b>	12,847	10,419	6,867	4,456	1,127	1,086	1,305	2,318	4,794	6,899	10,015	12,572
<b>Dry Water Years (22%)</b>	14,474	12,913	8,291	6,817	3,050	2,074	2,651	4,467	6,886	9,171	11,553	13,511
<b>Critical Water Years (15%)</b>	14,631	14,589	11,832	9,333	5,519	4,876	5,634	8,100	9,926	11,670	13,127	14,360

**Table 6B1-8-3b. Chipps Island North Channel, Alternative 2 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	14,289	14,157	13,640	10,498	5,448	5,206	5,731	6,854	8,170	10,161	12,531	13,732
<b>20% Exceedance</b>	14,042	13,806	12,375	8,929	3,280	2,833	2,966	5,747	7,658	9,405	11,376	13,282
<b>30% Exceedance</b>	13,885	13,417	10,893	7,626	1,989	1,144	1,867	4,887	6,792	8,889	11,088	13,087
<b>40% Exceedance</b>	13,744	12,803	10,170	4,052	1,006	810	1,415	2,642	5,660	7,519	10,455	12,776
<b>50% Exceedance</b>	12,651	9,154	8,564	2,812	620	523	904	1,652	4,667	6,599	9,758	11,793
<b>60% Exceedance</b>	5,809	8,338	7,263	1,668	266	301	495	1,049	3,863	5,588	7,944	5,866
<b>70% Exceedance</b>	5,409	7,705	2,882	423	218	214	322	718	2,773	4,992	7,585	5,630
<b>80% Exceedance</b>	4,809	7,196	1,853	221	207	201	210	325	1,448	4,347	7,242	5,428
<b>90% Exceedance</b>	4,426	3,660	510	198	194	195	193	194	302	3,056	6,451	4,771
<b>Full Simulation Period Average<sup>a</sup></b>	9,660	9,823	7,579	4,220	1,852	1,499	1,829	2,933	4,819	6,751	9,187	9,407
<b>Wet Water Years (32%)</b>	4,660	6,243	5,955	774	244	264	368	727	1,768	3,663	6,519	4,898
<b>Above Normal Years (15%)</b>	5,658	7,886	6,752	2,468	592	281	484	1,021	3,322	5,007	7,434	5,587
<b>Below Normal Years (17%)</b>	12,616	10,565	6,961	4,319	1,131	1,104	1,319	2,319	4,796	6,899	9,903	12,368
<b>Dry Water Years (22%)</b>	14,041	12,560	8,146	6,859	3,110	2,116	2,668	4,447	6,869	9,065	11,239	13,117
<b>Critical Water Years (15%)</b>	14,478	14,547	11,797	9,367	5,550	4,932	5,675	8,070	9,877	11,545	12,809	13,974

**Table 6B1-8-3c. Chipps Island North Channel, Alternative 2 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-541	-230	-225	256	-13	0	52	49	19	-97	-303	-490
<b>20% Exceedance</b>	-408	-328	-24	11	186	24	2	11	-17	-127	-342	-355
<b>30% Exceedance</b>	-333	-341	-3	-189	107	80	58	30	-36	-139	-330	-403
<b>40% Exceedance</b>	-90	319	255	5	49	22	13	0	19	-14	7	-181
<b>50% Exceedance</b>	-173	-84	-254	103	21	40	-7	1	16	-2	-16	-260
<b>60% Exceedance</b>	-189	-21	-23	258	11	12	0	0	-1	-12	-115	-281
<b>70% Exceedance</b>	-240	21	156	13	2	5	1	3	-3	-12	-178	-268
<b>80% Exceedance</b>	-150	-28	325	6	1	1	2	0	-1	1	-178	-277
<b>90% Exceedance</b>	-107	279	33	2	1	0	2	0	0	1	-164	-236
<b>Full Simulation Period Average<sup>a</sup></b>	-225	-63	7	11	24	23	13	-7	-12	-43	-205	-287
<b>Wet Water Years (32%)</b>	-115	32	58	25	2	1	1	8	1	2	-141	-227
<b>Above Normal Years (15%)</b>	-219	-99	64	81	34	11	2	-6	-15	-14	-175	-253
<b>Below Normal Years (17%)</b>	-231	146	95	-137	3	19	14	1	2	0	-111	-205
<b>Dry Water Years (22%)</b>	-433	-353	-145	42	60	42	17	-21	-17	-106	-314	-394
<b>Critical Water Years (15%)</b>	-153	-42	-35	35	30	56	41	-31	-50	-126	-319	-386

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-8-4a. Chipps Island North Channel, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	14,831	14,387	13,866	10,242	5,461	5,206	5,679	6,804	8,150	10,258	12,833	14,222
<b>20% Exceedance</b>	14,450	14,134	12,399	8,919	3,095	2,808	2,964	5,736	7,675	9,532	11,718	13,637
<b>30% Exceedance</b>	14,218	13,758	10,896	7,815	1,882	1,063	1,809	4,857	6,828	9,027	11,418	13,489
<b>40% Exceedance</b>	13,834	12,484	9,915	4,047	957	789	1,402	2,641	5,641	7,533	10,448	12,957
<b>50% Exceedance</b>	12,824	9,238	8,818	2,709	599	484	912	1,650	4,652	6,601	9,774	12,053
<b>60% Exceedance</b>	5,998	8,358	7,286	1,410	254	289	495	1,049	3,864	5,600	8,059	6,147
<b>70% Exceedance</b>	5,649	7,684	2,726	410	216	209	320	715	2,776	5,004	7,763	5,898
<b>80% Exceedance</b>	4,958	7,224	1,529	214	206	200	208	325	1,449	4,346	7,420	5,704
<b>90% Exceedance</b>	4,532	3,380	478	196	193	194	191	194	302	3,055	6,616	5,007
<b>Full Simulation Period Average<sup>a</sup></b>	9,886	9,886	7,573	4,209	1,828	1,477	1,816	2,940	4,831	6,794	9,392	9,694
<b>Wet Water Years (32%)</b>	4,775	6,211	5,897	748	242	263	368	719	1,766	3,660	6,660	5,125
<b>Above Normal Years (15%)</b>	5,877	7,985	6,687	2,387	557	269	482	1,027	3,337	5,020	7,608	5,840
<b>Below Normal Years (17%)</b>	12,847	10,419	6,867	4,456	1,127	1,086	1,305	2,318	4,794	6,899	10,015	12,572
<b>Dry Water Years (22%)</b>	14,474	12,913	8,291	6,817	3,050	2,074	2,651	4,467	6,886	9,171	11,553	13,511
<b>Critical Water Years (15%)</b>	14,631	14,589	11,832	9,333	5,519	4,876	5,634	8,100	9,926	11,670	13,127	14,360

**Table 6B1-8-4b. Chipps Island North Channel, Alternative 3 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	14,619	14,246	13,626	10,522	5,462	5,218	5,788	6,836	8,164	10,189	12,615	13,955
<b>20% Exceedance</b>	14,181	13,999	12,380	8,917	3,285	2,854	2,992	5,745	7,650	9,412	11,429	13,383
<b>30% Exceedance</b>	13,870	13,418	10,891	7,600	1,992	1,138	1,867	4,722	6,800	8,903	11,192	13,141
<b>40% Exceedance</b>	13,679	12,192	10,285	4,078	1,007	870	1,445	2,688	5,666	7,471	10,407	12,743
<b>50% Exceedance</b>	10,936	8,871	8,658	2,823	635	523	905	1,651	4,661	6,611	9,645	11,502
<b>60% Exceedance</b>	5,833	8,118	6,891	1,662	266	320	495	1,049	3,862	5,490	7,933	5,919
<b>70% Exceedance</b>	5,436	7,641	2,652	422	218	214	322	718	2,773	5,004	7,655	5,633
<b>80% Exceedance</b>	4,879	6,543	1,532	218	206	201	210	325	1,452	4,347	7,216	5,514
<b>90% Exceedance</b>	4,432	3,775	495	198	194	194	193	194	302	3,056	6,461	4,640
<b>Full Simulation Period Average<sup>a</sup></b>	9,589	9,664	7,534	4,225	1,849	1,498	1,835	2,927	4,828	6,752	9,206	9,454
<b>Wet Water Years (32%)</b>	4,718	6,288	5,991	749	243	264	380	705	1,750	3,666	6,517	4,933
<b>Above Normal Years (15%)</b>	5,596	7,667	6,635	2,492	596	283	499	987	3,332	5,005	7,411	5,563
<b>Below Normal Years (17%)</b>	11,974	9,482	6,780	4,363	1,157	1,132	1,329	2,309	4,820	6,885	9,904	12,381
<b>Dry Water Years (22%)</b>	14,096	12,751	8,123	6,884	3,102	2,104	2,666	4,474	6,898	9,072	11,273	13,158
<b>Critical Water Years (15%)</b>	14,597	14,554	11,775	9,339	5,508	4,906	5,668	8,081	9,898	11,553	12,913	14,172

**Table 6B1-8-4c. Chipps Island North Channel, Alternative 3 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-212	-141	-240	280	1	12	109	32	13	-69	-219	-267
<b>20% Exceedance</b>	-269	-134	-19	-2	191	46	28	9	-26	-120	-289	-254
<b>30% Exceedance</b>	-348	-341	-5	-215	109	74	58	-135	-29	-124	-225	-348
<b>40% Exceedance</b>	-155	-292	370	31	50	81	43	46	25	-61	-41	-214
<b>50% Exceedance</b>	-1,888	-367	-160	114	36	40	-7	1	10	10	-129	-551
<b>60% Exceedance</b>	-165	-240	-395	252	12	31	0	0	-2	-110	-126	-228
<b>70% Exceedance</b>	-213	-43	-74	12	2	5	1	3	-3	0	-108	-265
<b>80% Exceedance</b>	-79	-681	3	4	0	1	2	0	3	1	-204	-190
<b>90% Exceedance</b>	-101	395	17	1	1	0	2	0	0	1	-155	-367
<b>Full Simulation Period Average<sup>a</sup></b>	-296	-223	-38	15	21	21	19	-13	-3	-42	-186	-239
<b>Wet Water Years (32%)</b>	-57	76	94	1	1	1	12	-13	-17	5	-143	-192
<b>Above Normal Years (15%)</b>	-281	-318	-52	105	39	13	17	-40	-6	-16	-197	-277
<b>Below Normal Years (17%)</b>	-872	-936	-87	-93	30	47	24	-9	26	-15	-111	-191
<b>Dry Water Years (22%)</b>	-378	-161	-169	67	51	30	15	7	12	-99	-280	-353
<b>Critical Water Years (15%)</b>	-34	-34	-57	7	-11	31	34	-19	-28	-117	-214	-188

<sup>a</sup> Based on the 82-year simulation period.

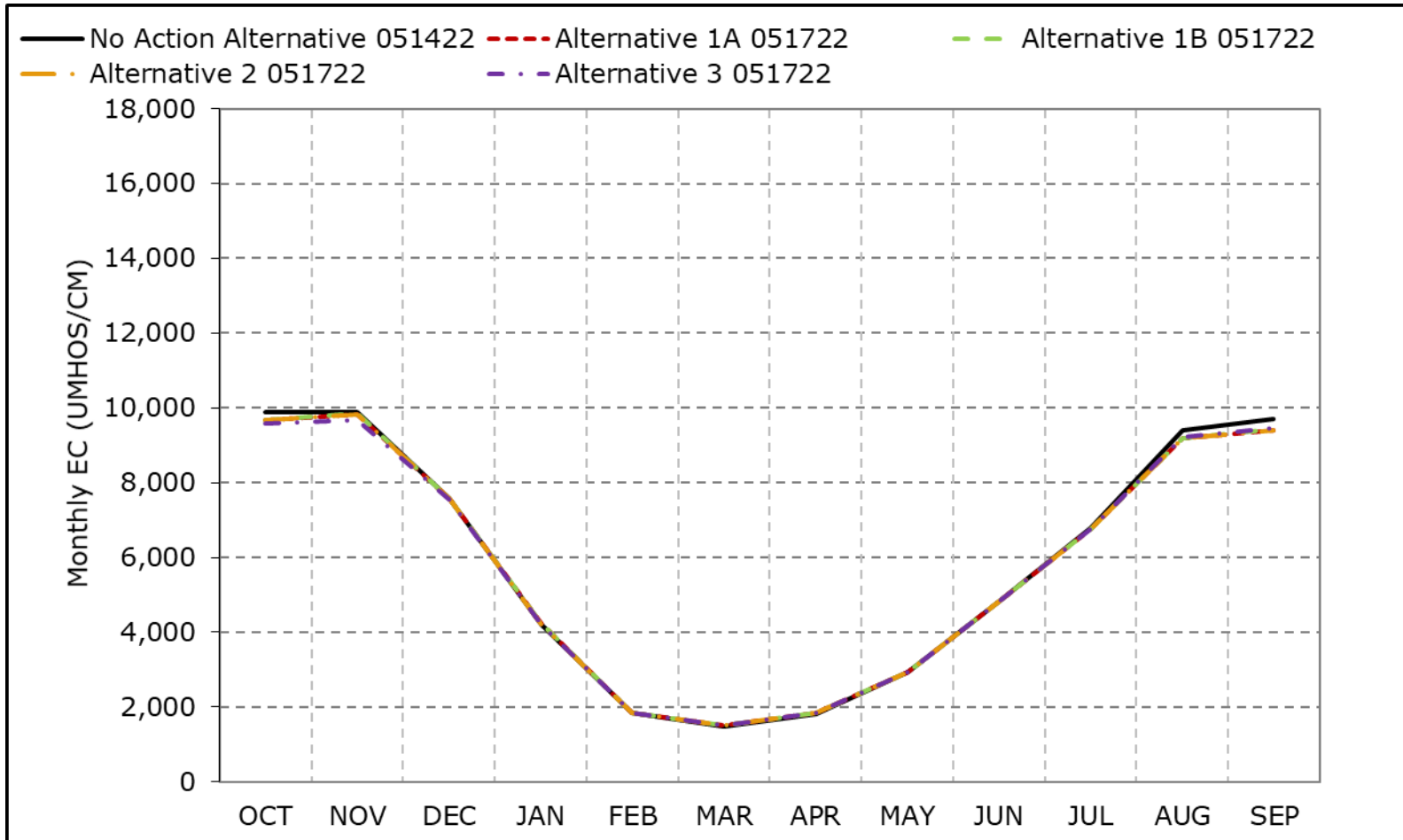
\* All scenarios are simulated at current climate condition and 0 cm sea level rise.

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

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



**Figure 6B1-8-1. Chipps Island North Channel, Long-Term Average EC**

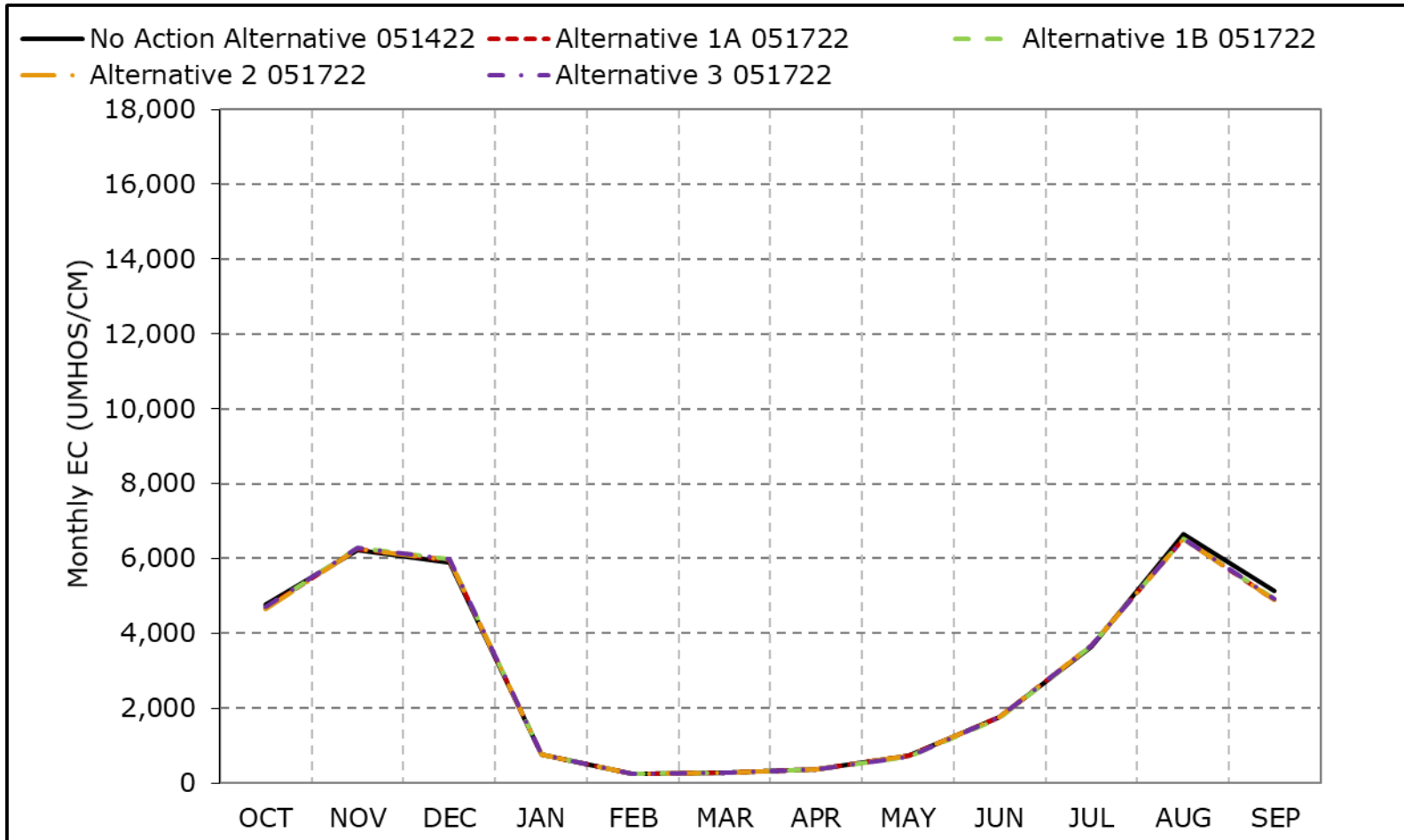


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-8-2. Chipps Island North Channel, Wet Year Average EC**

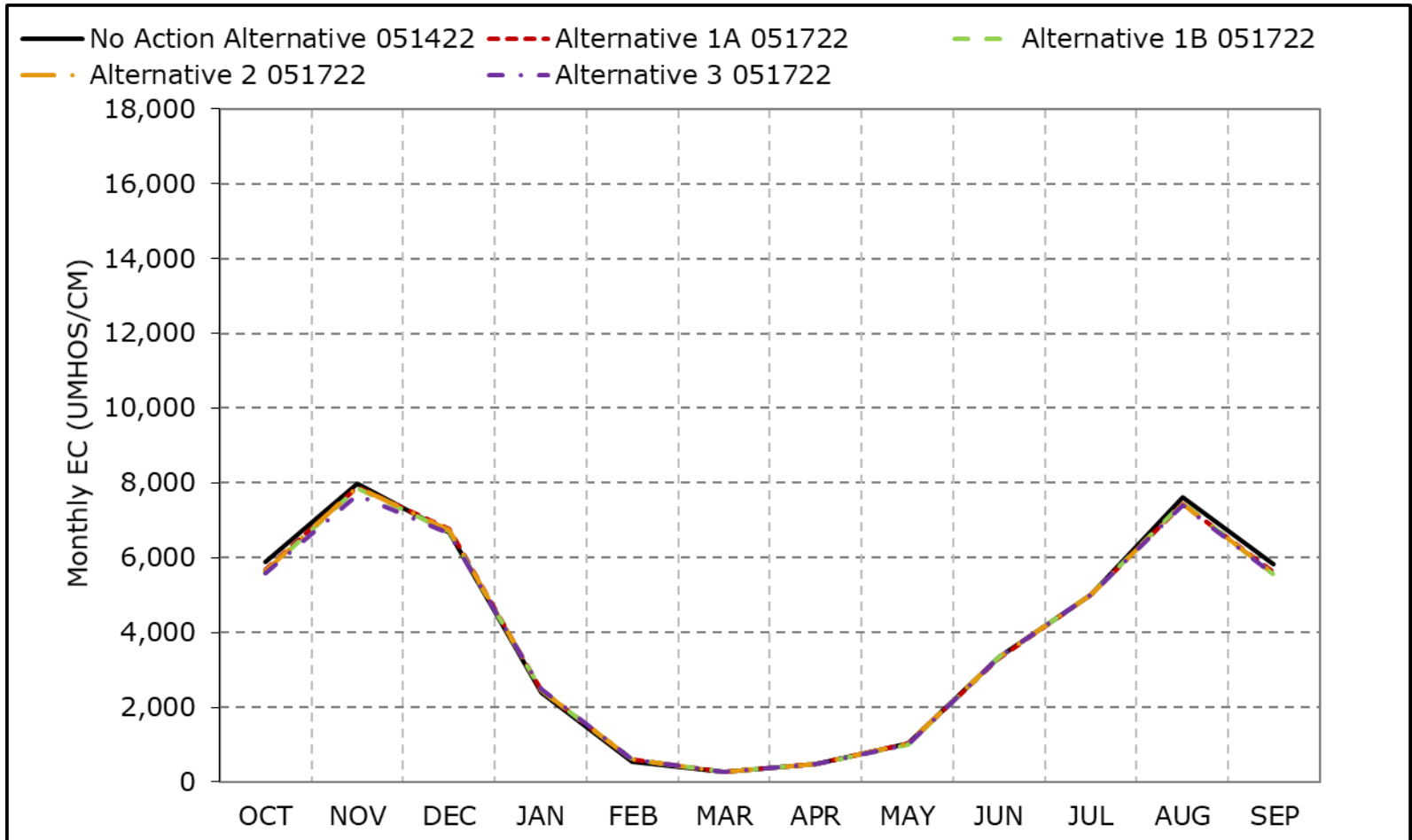


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-8-3. Chipps Island North Channel, Above Normal Year Average EC**

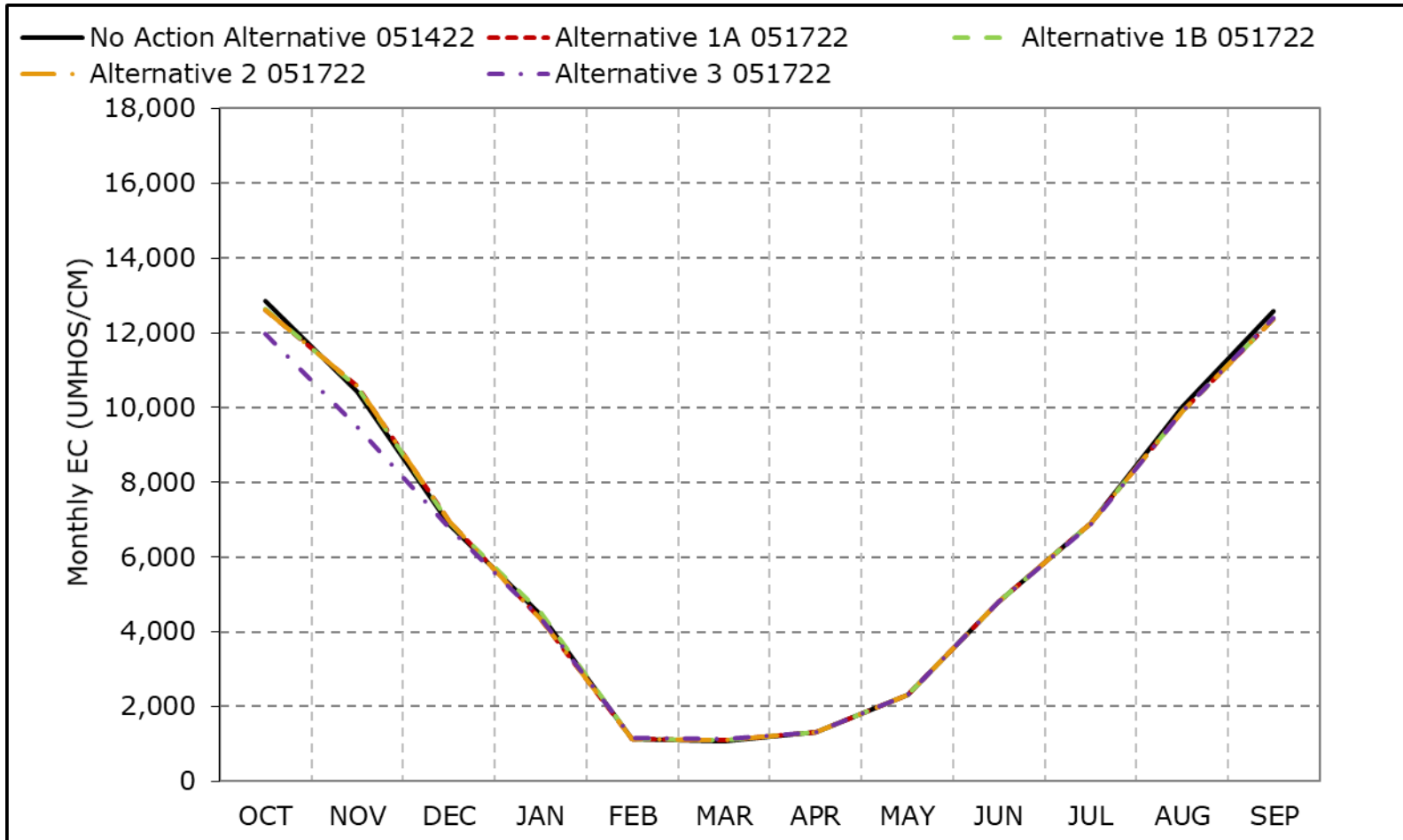


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-8-4. Chipps Island North Channel, Below Normal Year Average EC**

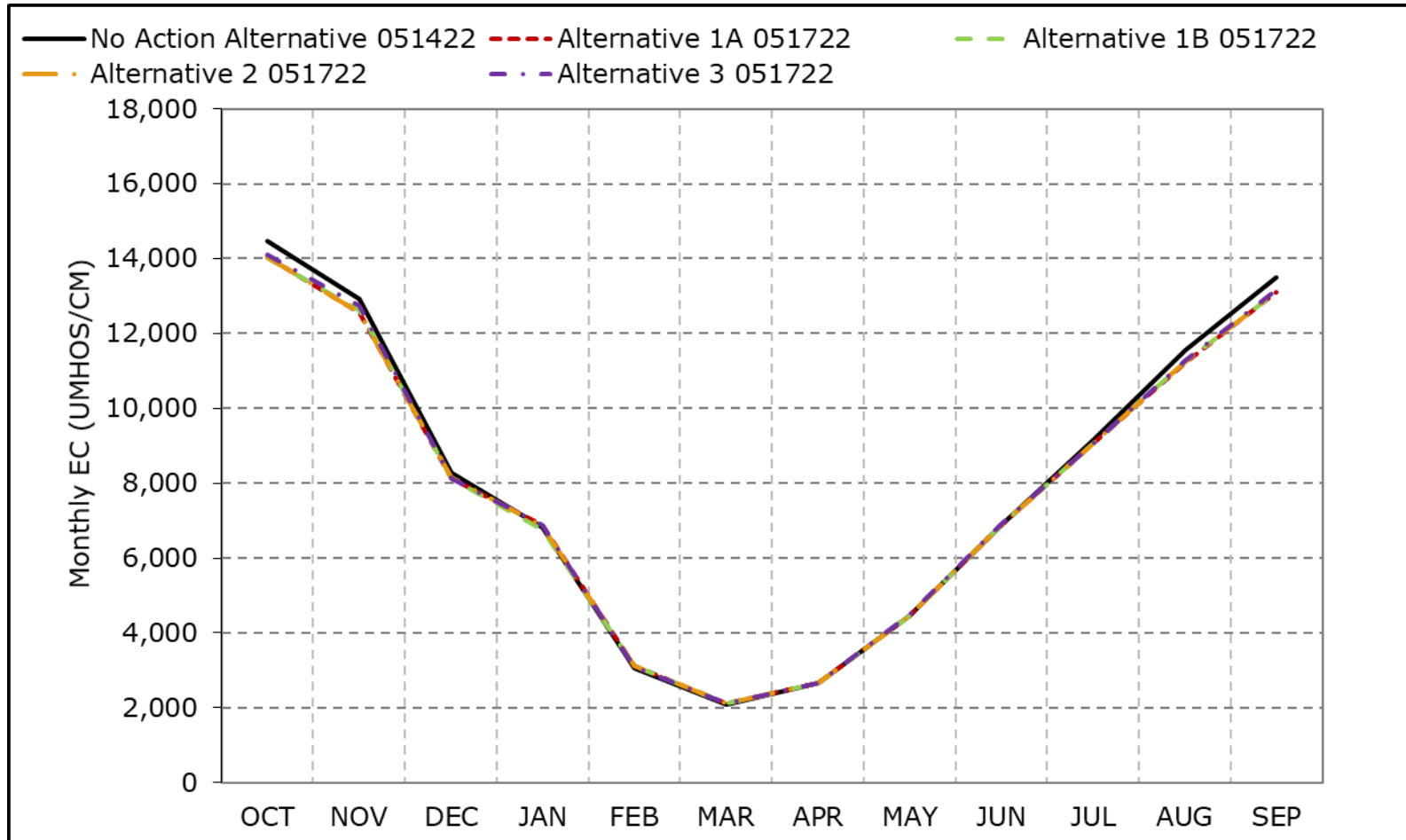


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-8-5. Chipps Island North Channel, Dry Year Average EC**

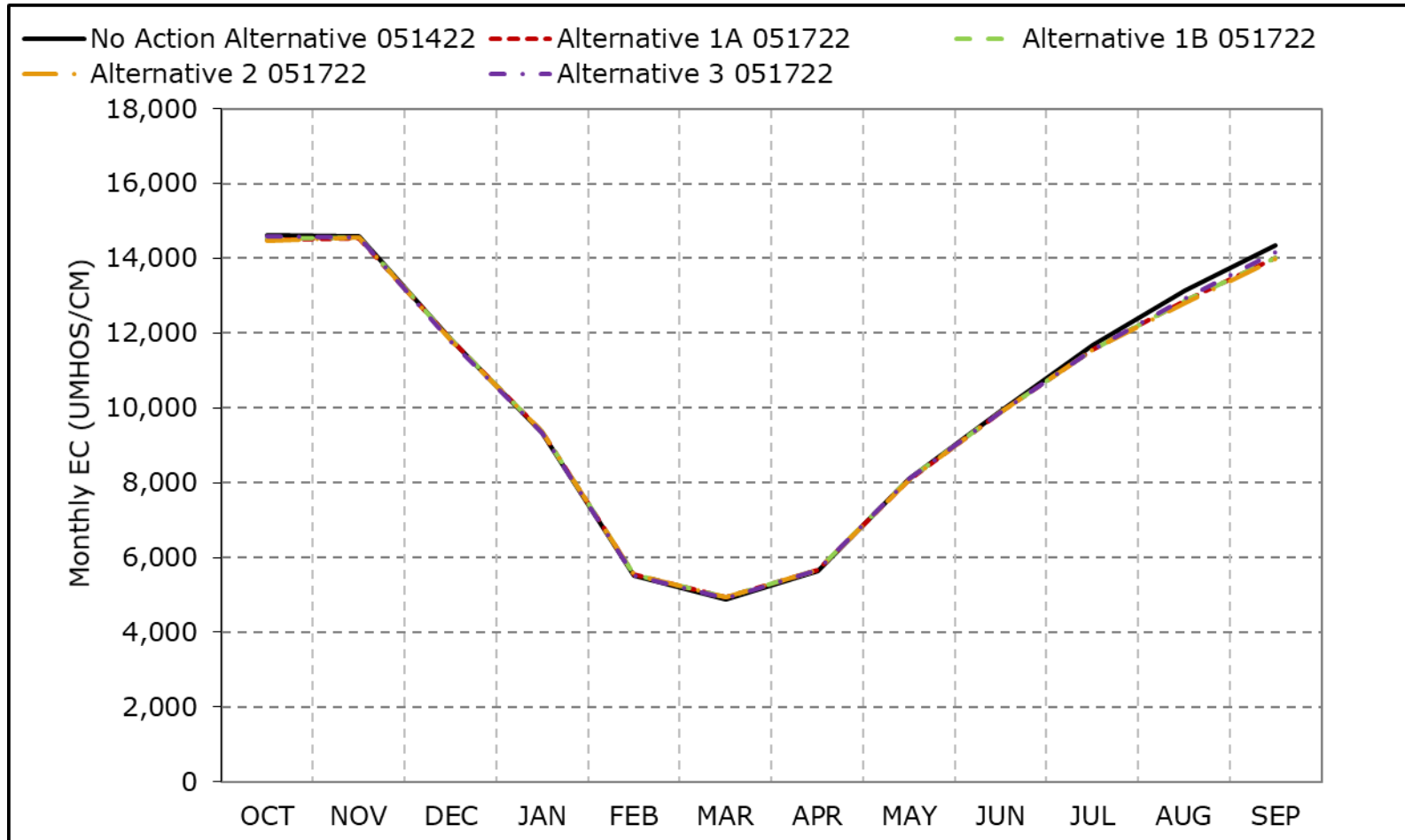


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-8-6. Chipps Island North Channel, Critical Year Average EC**

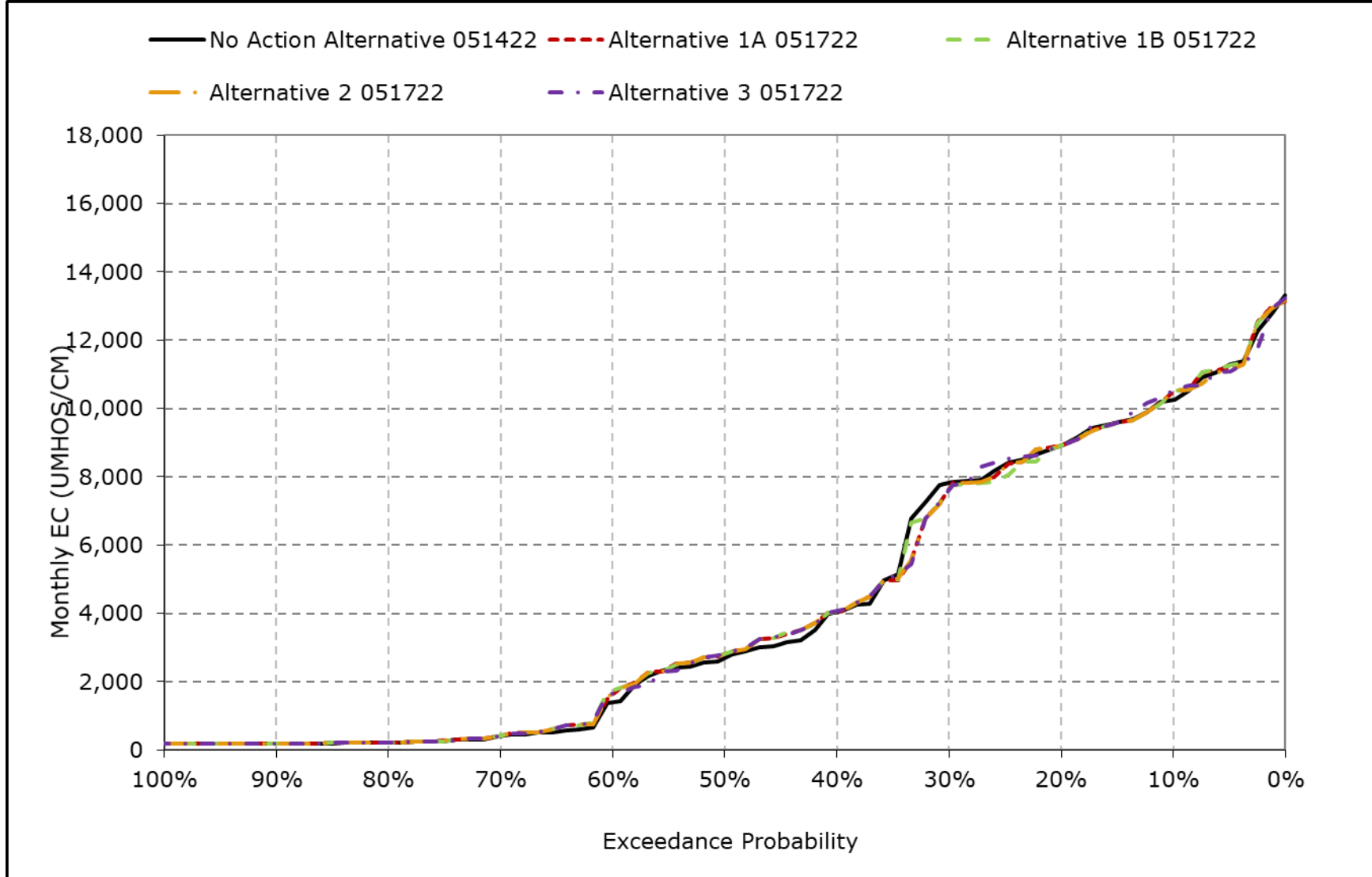


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

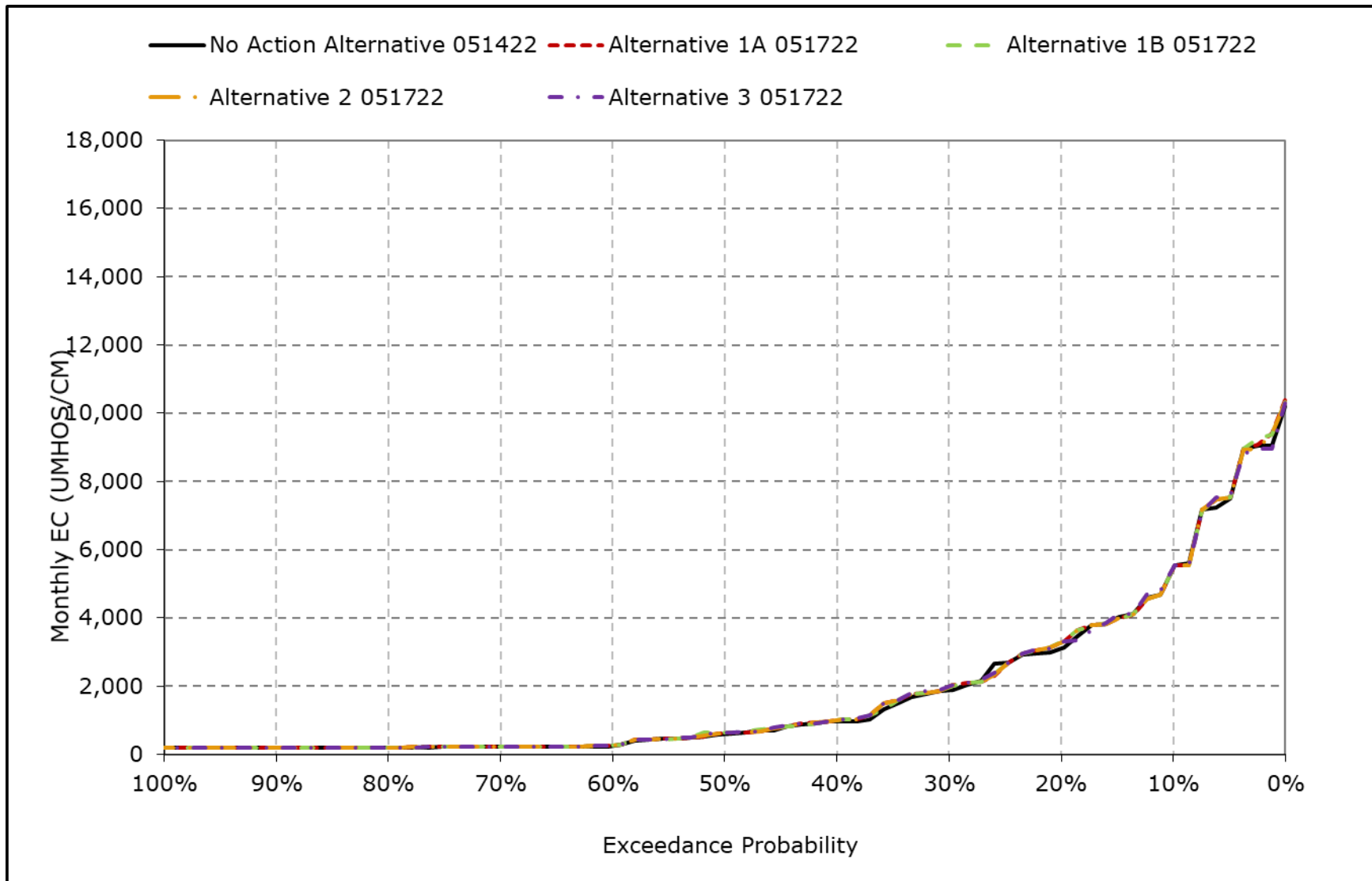
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-8-7. Chipps Island North Channel Salinity, January EC**



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

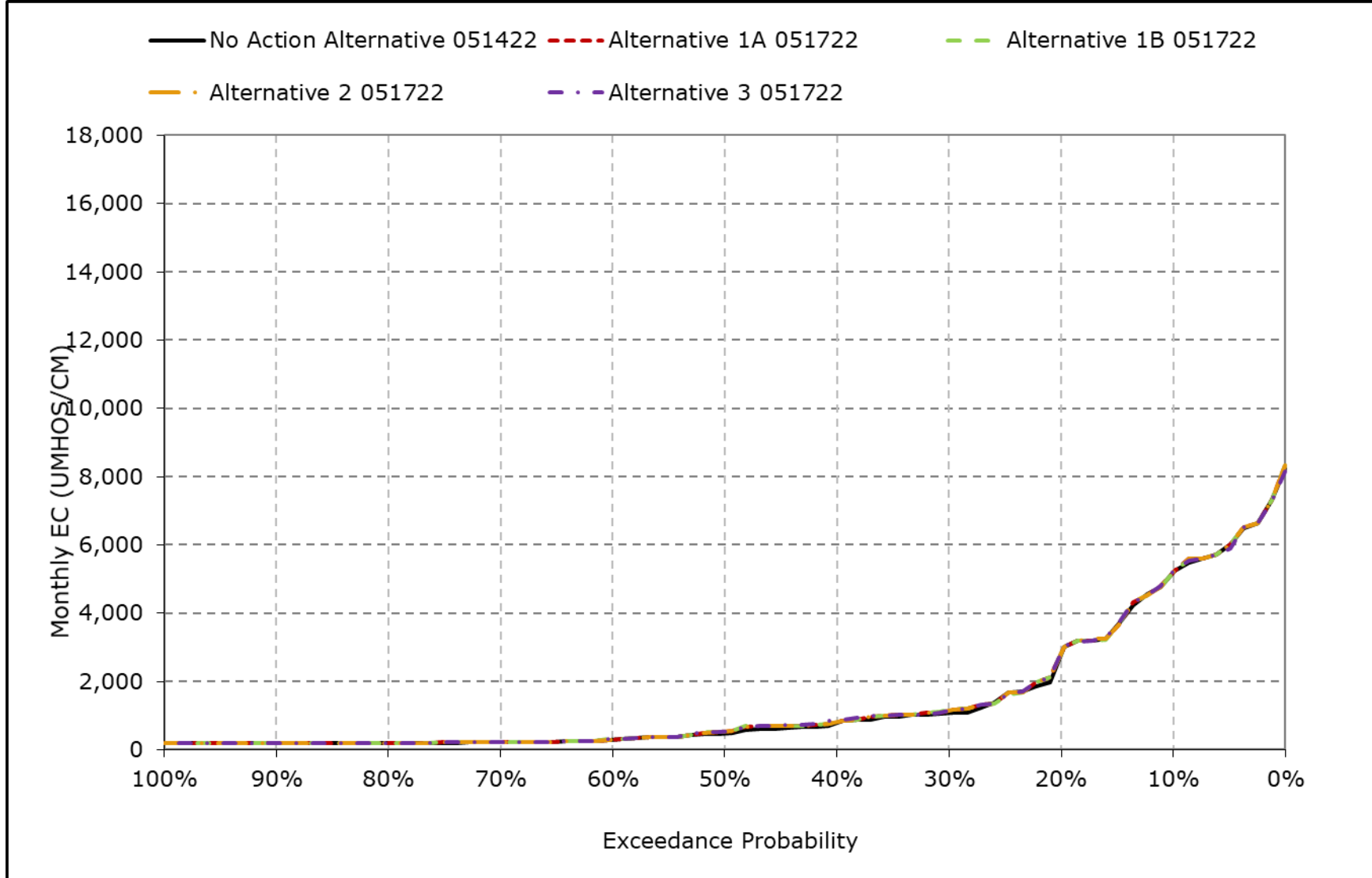
**Figure 6B1-8-8. Chipps Island North Channel Salinity, February EC**



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

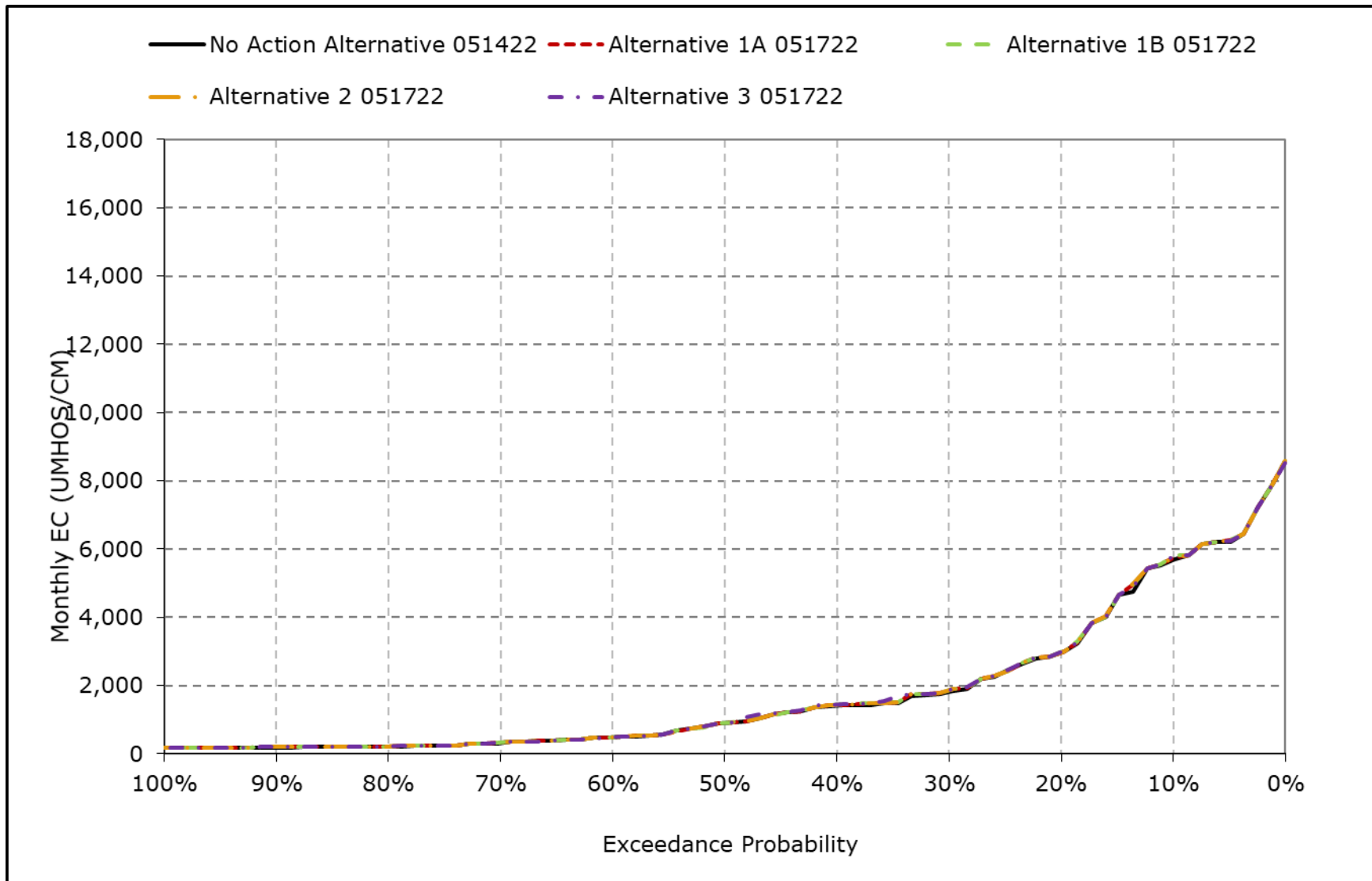


**Figure 6B1-8-9. Chipps Island North Channel Salinity, March EC**



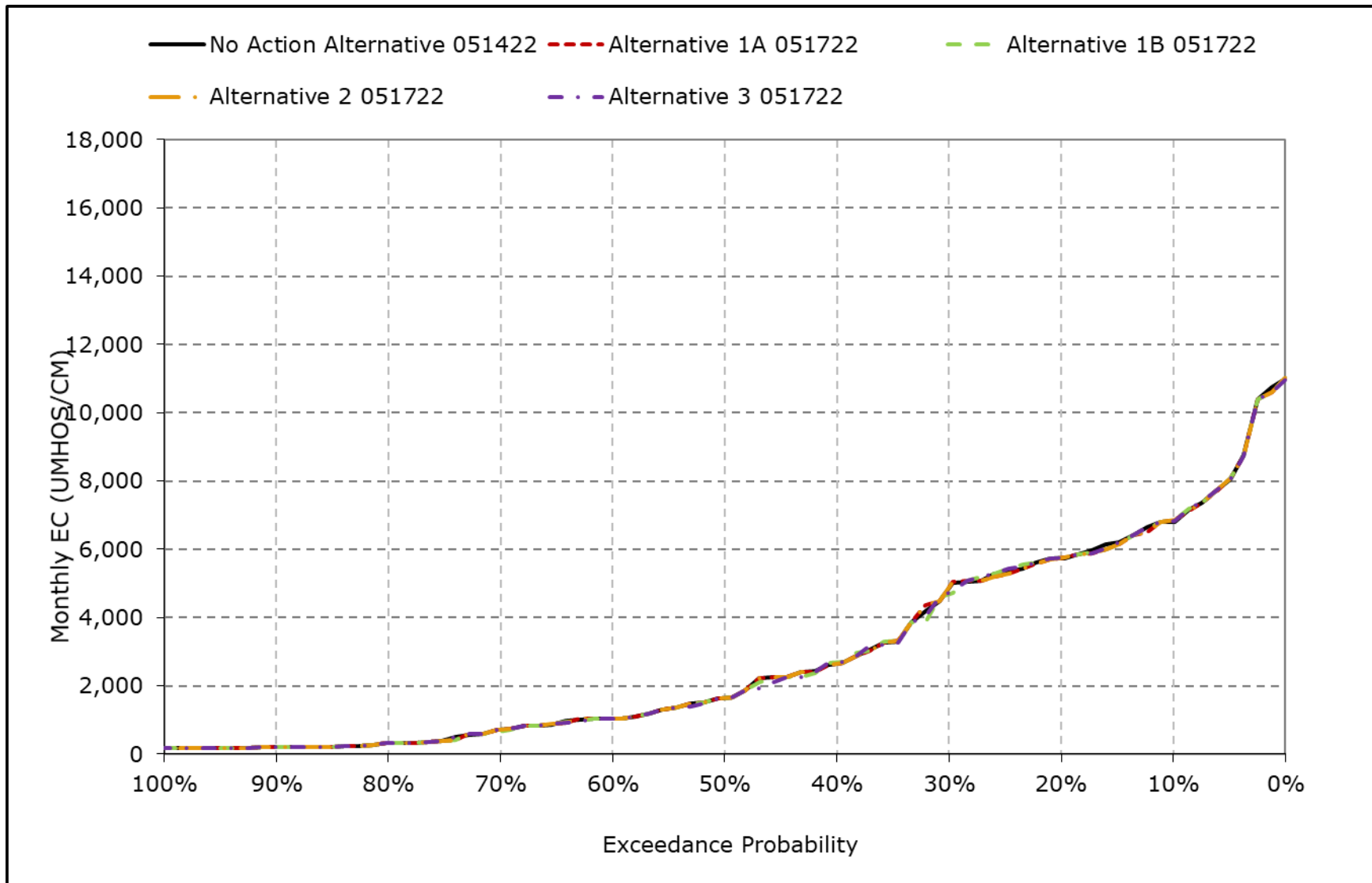
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-8-10. Chipps Island North Channel Salinity, April EC**



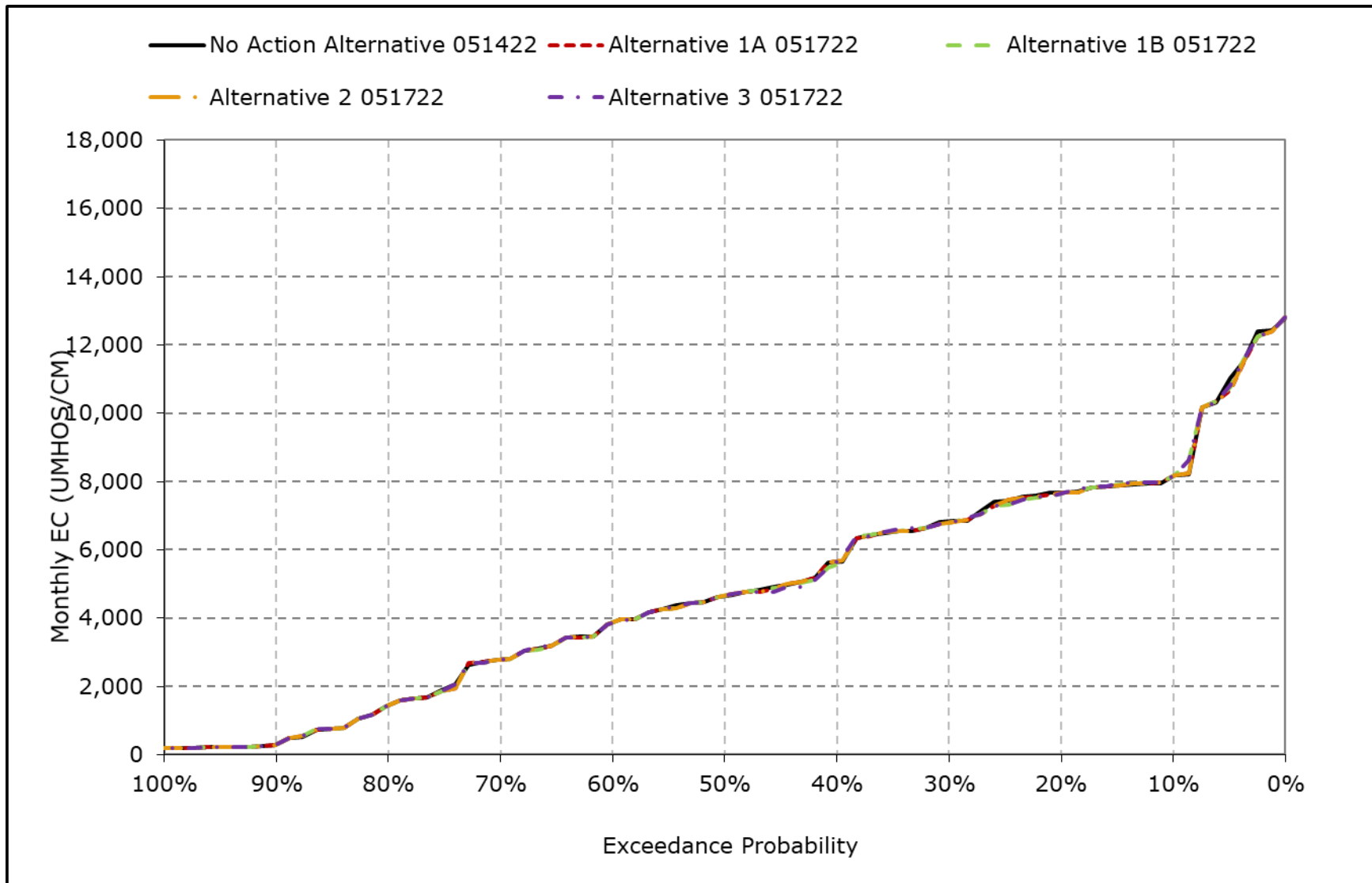
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-8-11. Chipps Island North Channel Salinity, May EC**



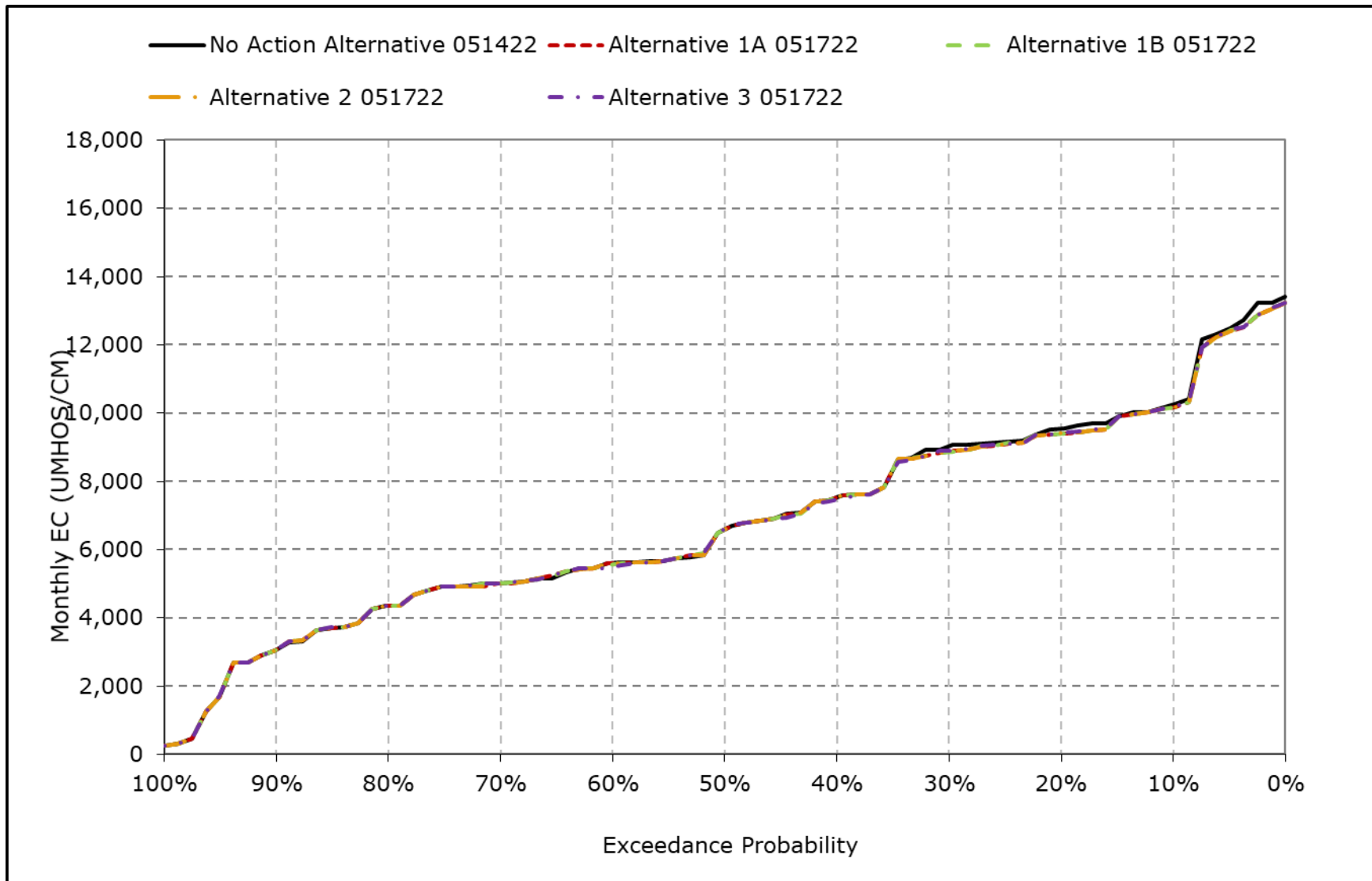
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-8-12. Chipps Island North Channel Salinity, June EC**



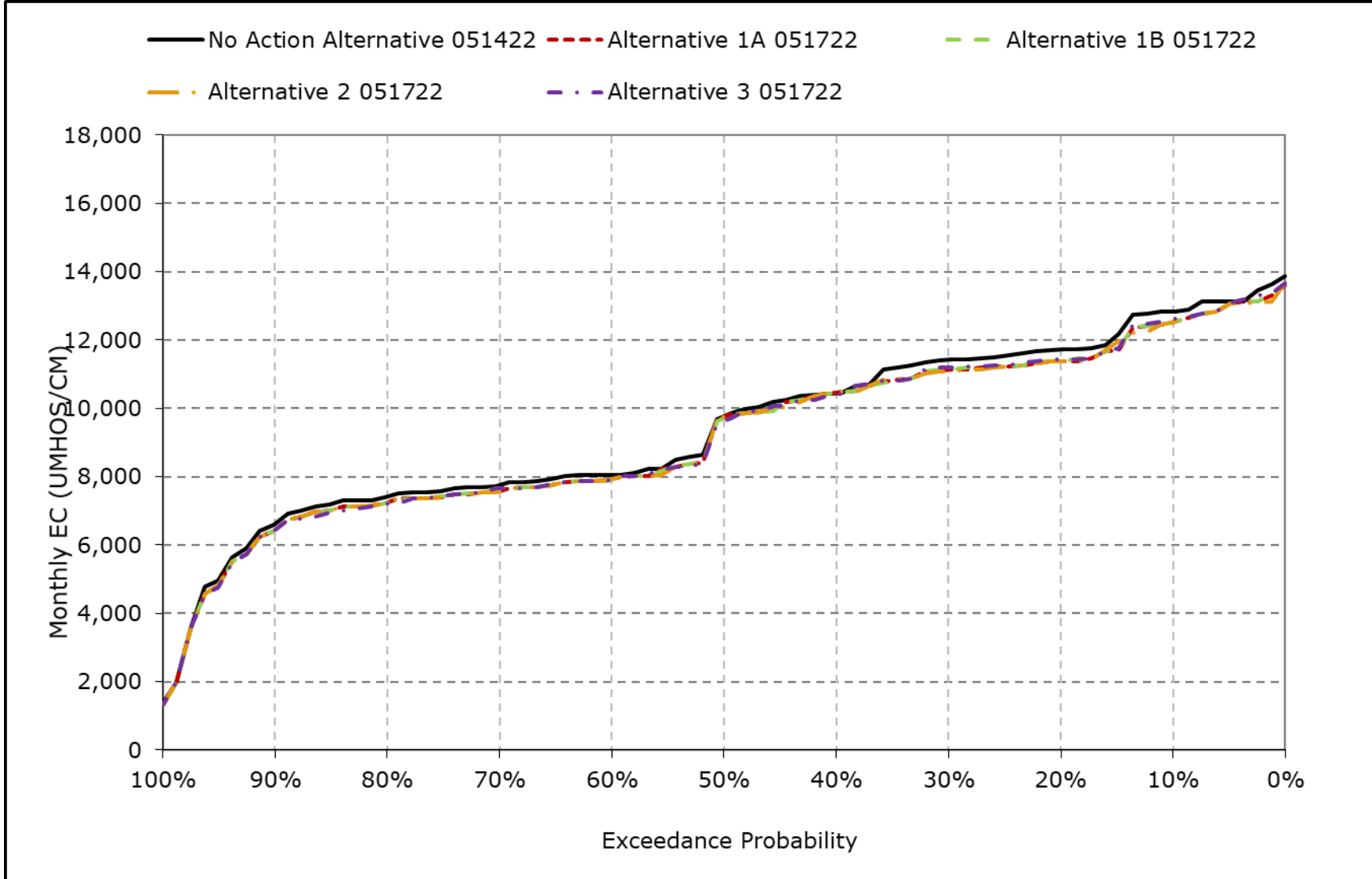
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-8-13. Chipps Island North Channel Salinity, July EC**



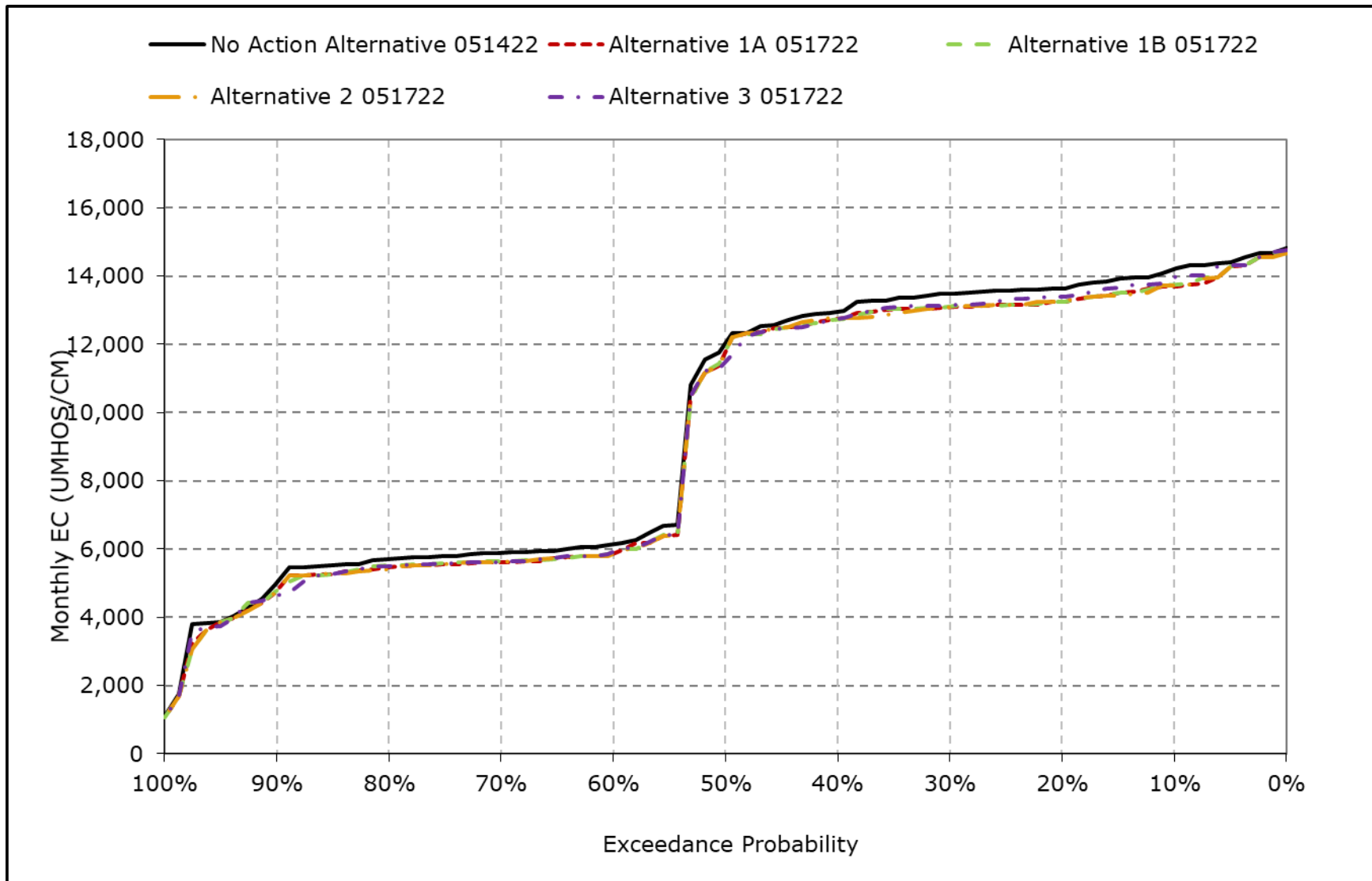
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-8-14. Chipps Island North Channel Salinity, August EC**



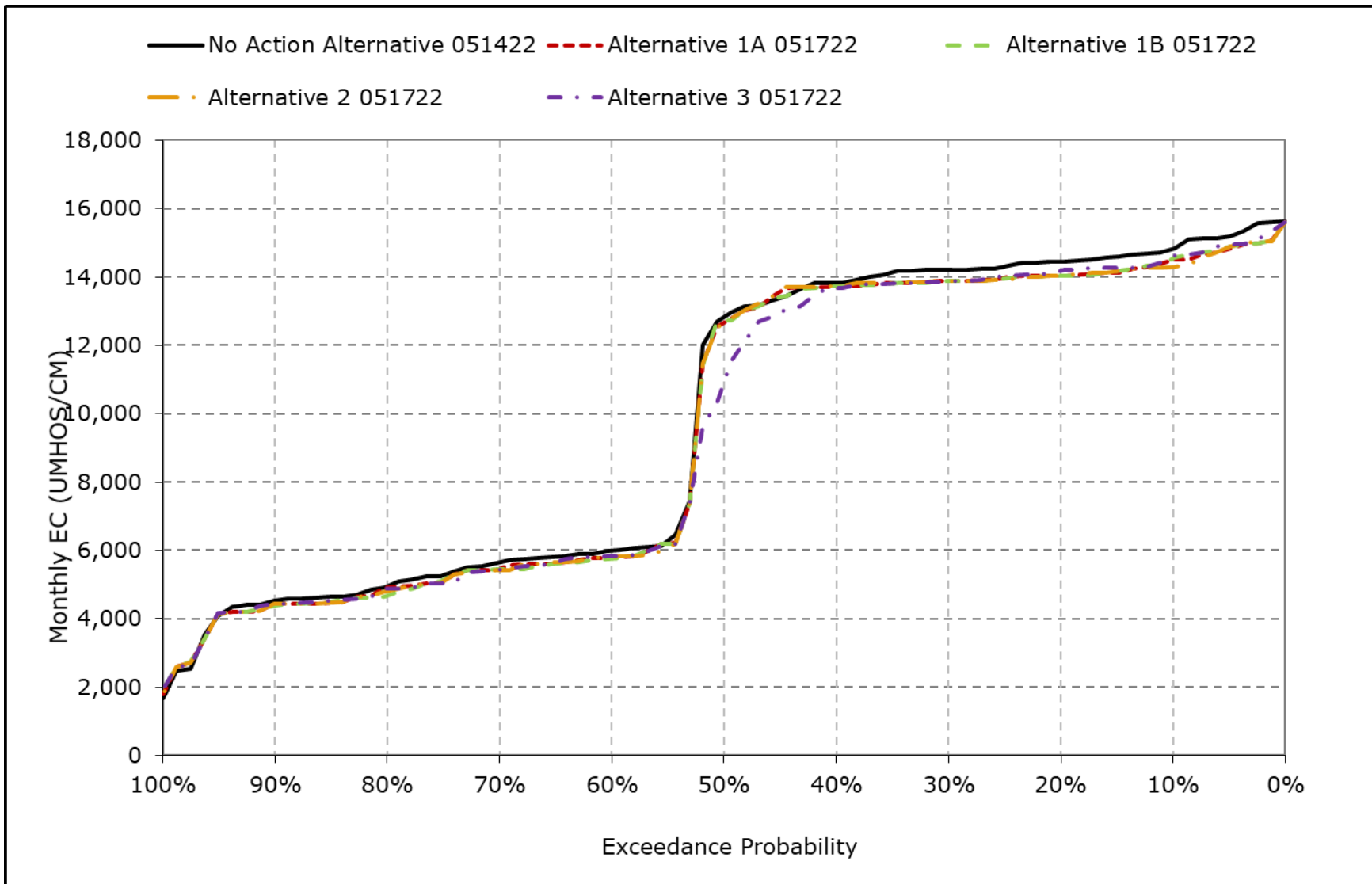
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-8-15. Chipps Island North Channel Salinity, September EC**



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

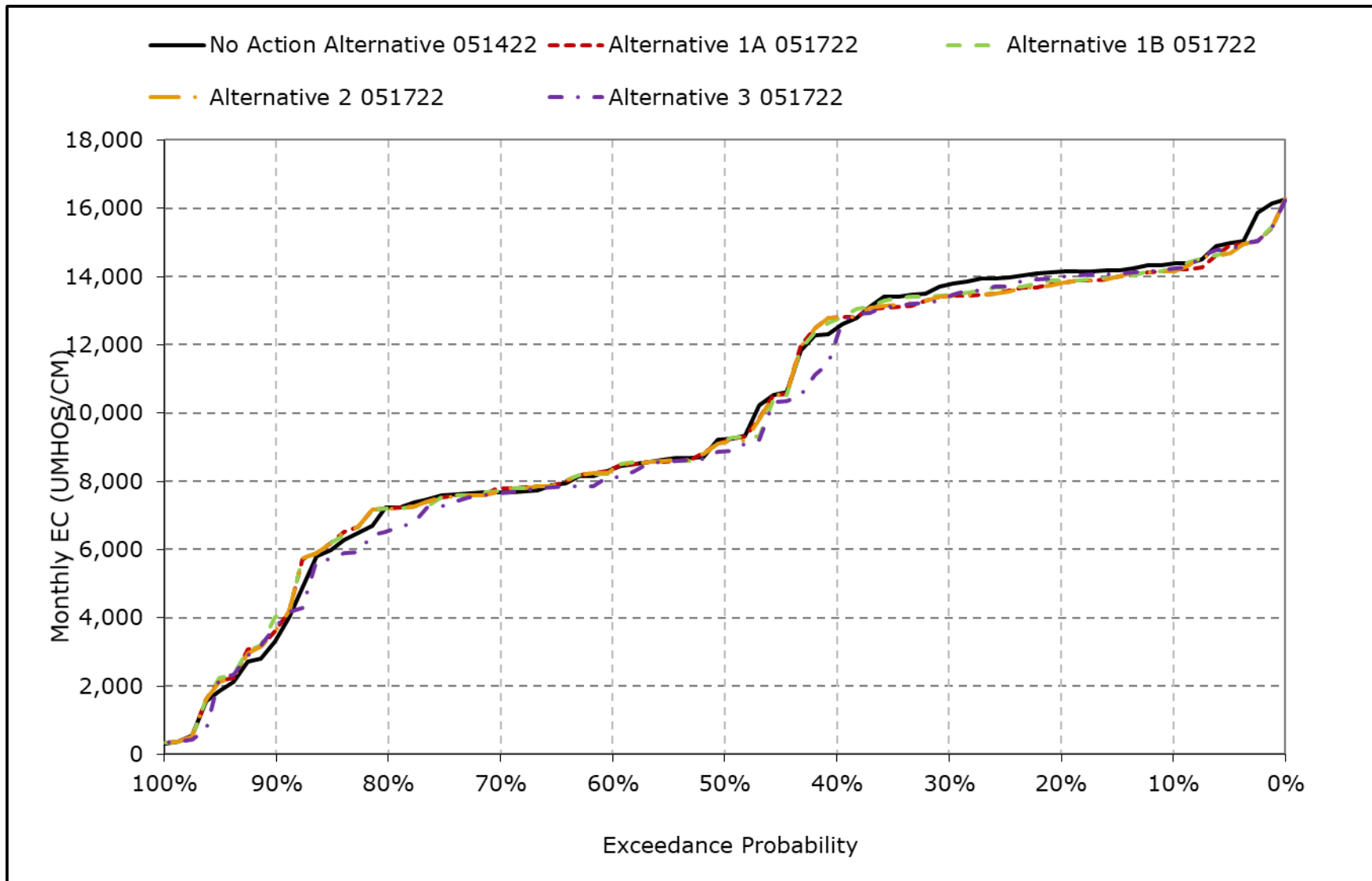
**Figure 6B1-8-16. Chipps Island North Channel Salinity, October EC**



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

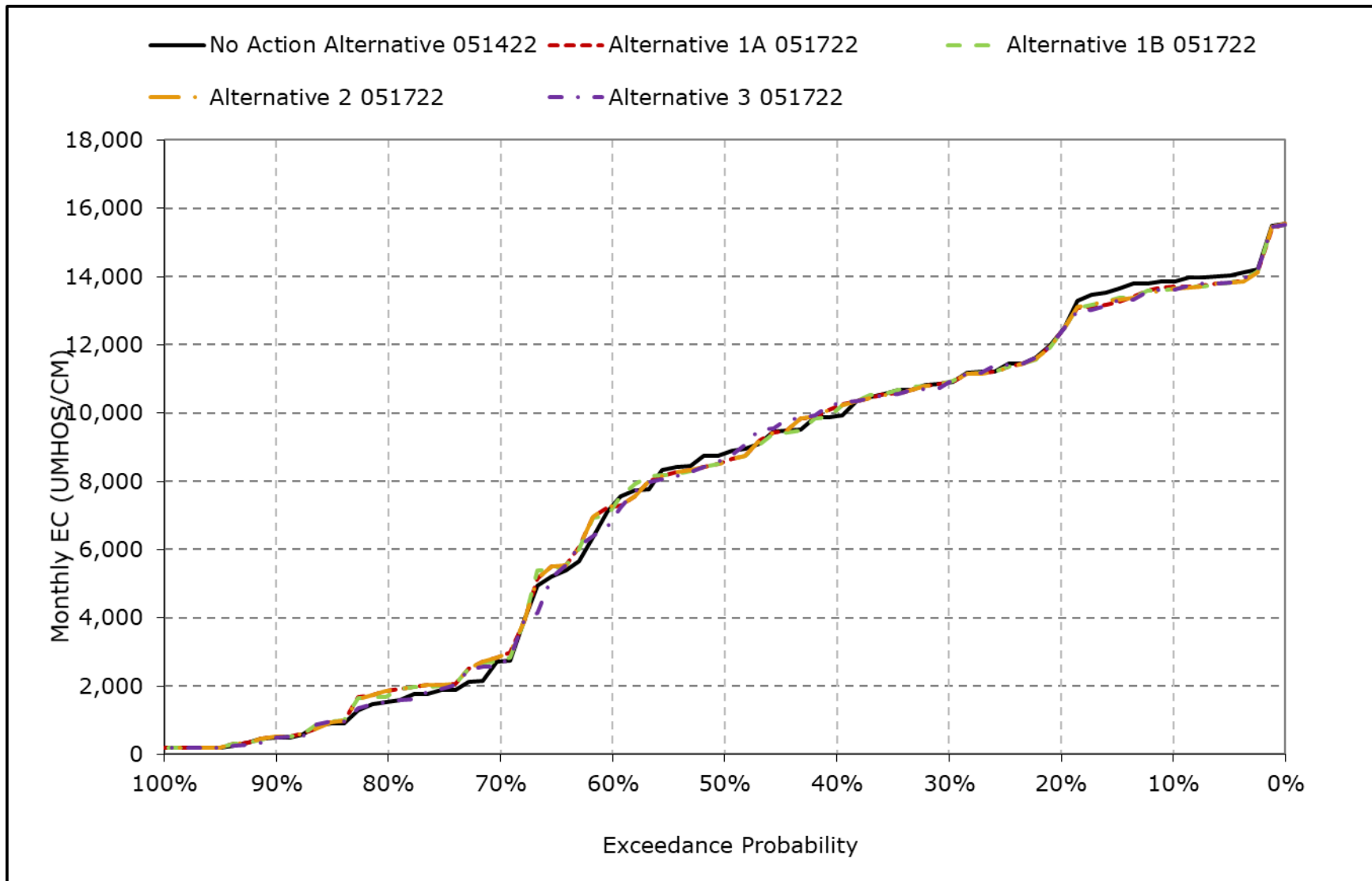


**Figure 6B1-8-17. Chipps Island North Channel Salinity, November EC**



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

**Figure 6B1-8-18. Chipps Island North Channel Salinity, December EC**



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

**Table 6B1-9-1a. Chipps Island South Channel, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	13,654	13,113	12,551	8,767	4,230	4,080	4,524	5,499	6,705	8,800	11,415	12,932
<b>20% Exceedance</b>	13,276	12,844	11,016	7,589	2,362	2,024	2,080	4,527	6,345	8,160	10,342	12,360
<b>30% Exceedance</b>	12,997	12,457	9,500	6,507	1,443	722	1,209	3,713	5,524	7,572	10,020	12,154
<b>40% Exceedance</b>	12,612	11,202	8,496	3,095	769	548	915	1,844	4,257	6,140	9,106	11,728
<b>50% Exceedance</b>	11,557	7,830	7,456	2,101	566	343	591	1,048	3,554	5,209	8,357	10,724
<b>60% Exceedance</b>	4,738	6,919	5,931	972	246	240	330	660	2,705	4,283	6,771	5,052
<b>70% Exceedance</b>	4,502	6,342	2,102	327	215	203	252	427	1,955	3,826	6,487	4,840
<b>80% Exceedance</b>	3,842	5,844	1,260	210	201	197	201	238	889	3,207	6,153	4,689
<b>90% Exceedance</b>	3,441	2,497	520	195	193	191	190	186	223	2,233	5,430	4,120
<b>Full Simulation Period Average<sup>a</sup></b>	8,728	8,685	6,594	3,560	1,483	1,154	1,385	2,281	3,852	5,569	8,093	8,529
<b>Wet Water Years (32%)</b>	3,701	5,057	4,990	625	232	226	282	513	1,261	2,736	5,489	4,155
<b>Above Normal Years (15%)</b>	4,704	6,701	5,734	1,999	454	229	340	672	2,457	3,859	6,362	4,773
<b>Below Normal Years (17%)</b>	11,697	9,289	6,033	3,706	873	770	907	1,643	3,663	5,555	8,644	11,294
<b>Dry Water Years (22%)</b>	13,244	11,680	7,326	5,707	2,420	1,568	1,948	3,401	5,565	7,720	10,154	12,192
<b>Critical Water Years (15%)</b>	13,404	13,329	10,489	8,089	4,528	3,915	4,536	6,785	8,510	10,205	11,734	13,040

**Table 6B1-9-1b. Chipps Island South Channel, Alternative 1A 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	13,190	12,917	12,388	9,016	4,228	4,080	4,573	5,505	6,723	8,705	11,100	12,359
<b>20% Exceedance</b>	12,771	12,460	10,998	7,623	2,474	2,060	2,081	4,501	6,370	7,956	9,979	11,896
<b>30% Exceedance</b>	12,645	12,075	9,476	6,346	1,449	792	1,241	3,700	5,502	7,417	9,685	11,742
<b>40% Exceedance</b>	12,429	11,515	8,818	3,112	770	549	914	1,844	4,276	6,141	9,124	11,484
<b>50% Exceedance</b>	11,300	7,786	7,217	2,185	590	365	589	1,049	3,563	5,212	8,359	10,437
<b>60% Exceedance</b>	4,531	6,974	5,902	1,132	253	247	332	669	2,703	4,283	6,637	4,798
<b>70% Exceedance</b>	4,309	6,383	2,206	352	218	206	253	429	1,953	3,817	6,334	4,554
<b>80% Exceedance</b>	3,737	5,828	1,452	215	201	197	201	237	889	3,208	5,973	4,427
<b>90% Exceedance</b>	3,324	2,712	521	196	193	192	191	186	223	2,233	5,265	3,826
<b>Full Simulation Period Average<sup>a</sup></b>	8,497	8,603	6,591	3,568	1,502	1,169	1,394	2,274	3,840	5,524	7,890	8,239
<b>Wet Water Years (32%)</b>	3,595	5,083	5,045	644	234	227	283	520	1,262	2,738	5,348	3,941
<b>Above Normal Years (15%)</b>	4,520	6,615	5,781	2,063	478	236	342	670	2,444	3,850	6,199	4,539
<b>Below Normal Years (17%)</b>	11,440	9,393	6,098	3,558	869	781	915	1,645	3,665	5,555	8,545	11,074
<b>Dry Water Years (22%)</b>	12,779	11,287	7,156	5,771	2,473	1,593	1,959	3,383	5,551	7,610	9,814	11,762
<b>Critical Water Years (15%)</b>	13,239	13,274	10,482	8,117	4,559	3,957	4,569	6,752	8,460	10,071	11,442	12,659

**Table 6B1-9-1c. Chipps Island South Channel, Alternative 1A 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-464	-195	-163	250	-2	0	49	6	18	-95	-314	-573
<b>20% Exceedance</b>	-505	-384	-18	34	111	36	1	-27	25	-204	-363	-464
<b>30% Exceedance</b>	-352	-382	-24	-160	5	70	32	-13	-22	-155	-335	-412
<b>40% Exceedance</b>	-183	313	322	17	2	1	-1	0	19	1	18	-244
<b>50% Exceedance</b>	-258	-43	-239	84	24	22	-2	1	8	4	2	-287
<b>60% Exceedance</b>	-207	55	-30	160	7	7	2	9	-1	1	-134	-254
<b>70% Exceedance</b>	-193	41	104	25	3	3	1	2	-2	-10	-153	-286
<b>80% Exceedance</b>	-105	-16	192	4	1	0	0	0	0	1	-181	-262
<b>90% Exceedance</b>	-116	216	1	0	0	1	1	0	0	0	-165	-294
<b>Full Simulation Period Average<sup>a</sup></b>	-231	-81	-3	8	19	15	9	-6	-12	-44	-203	-290
<b>Wet Water Years (32%)</b>	-106	26	55	20	2	0	0	7	1	2	-141	-214
<b>Above Normal Years (15%)</b>	-184	-86	47	64	23	7	1	-2	-12	-9	-162	-235
<b>Below Normal Years (17%)</b>	-258	104	65	-148	-5	11	9	2	2	0	-99	-220
<b>Dry Water Years (22%)</b>	-466	-393	-170	64	53	25	11	-18	-15	-110	-341	-430
<b>Critical Water Years (15%)</b>	-165	-56	-7	28	31	42	33	-32	-51	-134	-292	-381

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-9-2a. Chipps Island South Channel, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	13,654	13,113	12,551	8,767	4,230	4,080	4,524	5,499	6,705	8,800	11,415	12,932
<b>20% Exceedance</b>	13,276	12,844	11,016	7,589	2,362	2,024	2,080	4,527	6,345	8,160	10,342	12,360
<b>30% Exceedance</b>	12,997	12,457	9,500	6,507	1,443	722	1,209	3,713	5,524	7,572	10,020	12,154
<b>40% Exceedance</b>	12,612	11,202	8,496	3,095	769	548	915	1,844	4,257	6,140	9,106	11,728
<b>50% Exceedance</b>	11,557	7,830	7,456	2,101	566	343	591	1,048	3,554	5,209	8,357	10,724
<b>60% Exceedance</b>	4,738	6,919	5,931	972	246	240	330	660	2,705	4,283	6,771	5,052
<b>70% Exceedance</b>	4,502	6,342	2,102	327	215	203	252	427	1,955	3,826	6,487	4,840
<b>80% Exceedance</b>	3,842	5,844	1,260	210	201	197	201	238	889	3,207	6,153	4,689
<b>90% Exceedance</b>	3,441	2,497	520	195	193	191	190	186	223	2,233	5,430	4,120
<b>Full Simulation Period Average<sup>a</sup></b>	8,728	8,685	6,594	3,560	1,483	1,154	1,385	2,281	3,852	5,569	8,093	8,529
<b>Wet Water Years (32%)</b>	3,701	5,057	4,990	625	232	226	282	513	1,261	2,736	5,489	4,155
<b>Above Normal Years (15%)</b>	4,704	6,701	5,734	1,999	454	229	340	672	2,457	3,859	6,362	4,773
<b>Below Normal Years (17%)</b>	11,697	9,289	6,033	3,706	873	770	907	1,643	3,663	5,555	8,644	11,294
<b>Dry Water Years (22%)</b>	13,244	11,680	7,326	5,707	2,420	1,568	1,948	3,401	5,565	7,720	10,154	12,192
<b>Critical Water Years (15%)</b>	13,404	13,329	10,489	8,089	4,528	3,915	4,536	6,785	8,510	10,205	11,734	13,040

**Table 6B1-9-2b. Chipps Island South Channel, Alternative 1B 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	13,365	13,025	12,327	9,010	4,227	4,080	4,631	5,505	6,722	8,718	11,104	12,382
<b>20% Exceedance</b>	12,742	12,535	10,991	7,585	2,474	2,058	2,102	4,531	6,299	7,961	9,999	11,896
<b>30% Exceedance</b>	12,630	12,166	9,507	6,282	1,448	805	1,241	3,559	5,502	7,384	9,685	11,758
<b>40% Exceedance</b>	12,468	11,449	8,743	3,119	781	549	925	1,878	4,176	6,130	9,121	11,478
<b>50% Exceedance</b>	11,382	7,785	7,218	2,190	565	365	601	1,049	3,558	5,209	8,326	10,459
<b>60% Exceedance</b>	4,514	6,916	5,904	1,211	250	247	332	657	2,703	4,252	6,640	4,809
<b>70% Exceedance</b>	4,264	6,363	2,150	344	218	206	253	406	1,953	3,827	6,353	4,613
<b>80% Exceedance</b>	3,583	5,828	1,391	214	201	198	201	237	889	3,208	5,972	4,443
<b>90% Exceedance</b>	3,303	3,045	475	196	193	192	191	186	223	2,233	5,266	3,830
<b>Full Simulation Period Average<sup>a</sup></b>	8,490	8,624	6,587	3,574	1,505	1,168	1,397	2,272	3,843	5,526	7,894	8,246
<b>Wet Water Years (32%)</b>	3,596	5,105	5,064	644	233	227	285	495	1,242	2,738	5,350	3,968
<b>Above Normal Years (15%)</b>	4,466	6,587	5,753	2,059	478	236	342	664	2,452	3,851	6,198	4,503
<b>Below Normal Years (17%)</b>	11,449	9,366	6,061	3,734	885	780	912	1,647	3,678	5,551	8,538	11,077
<b>Dry Water Years (22%)</b>	12,750	11,373	7,161	5,665	2,475	1,595	1,966	3,402	5,567	7,616	9,826	11,761
<b>Critical Water Years (15%)</b>	13,277	13,295	10,471	8,113	4,556	3,952	4,574	6,764	8,477	10,075	11,451	12,684

**Table 6B1-9-2c. Chipps Island South Channel, Alternative 1B 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-289	-87	-224	244	-3	0	107	6	18	-83	-311	-550
<b>20% Exceedance</b>	-534	-309	-25	-4	112	34	22	4	-46	-199	-343	-463
<b>30% Exceedance</b>	-367	-290	7	-224	5	83	32	-154	-22	-187	-335	-396
<b>40% Exceedance</b>	-144	246	247	25	12	1	10	34	-80	-10	15	-250
<b>50% Exceedance</b>	-176	-45	-238	89	-2	22	10	1	3	1	-31	-265
<b>60% Exceedance</b>	-224	-3	-28	239	5	7	2	-3	-2	-31	-131	-243
<b>70% Exceedance</b>	-238	21	48	17	3	3	1	-21	-2	0	-134	-227
<b>80% Exceedance</b>	-259	-16	131	4	1	1	0	0	0	1	-182	-246
<b>90% Exceedance</b>	-138	549	-44	0	0	1	1	0	0	0	-165	-291
<b>Full Simulation Period Average<sup>a</sup></b>	-237	-61	-8	14	22	14	12	-9	-9	-43	-199	-282
<b>Wet Water Years (32%)</b>	-104	47	74	19	1	1	3	-18	-19	2	-139	-186
<b>Above Normal Years (15%)</b>	-238	-114	19	60	23	7	2	-8	-4	-7	-163	-270
<b>Below Normal Years (17%)</b>	-249	77	27	28	12	10	5	4	15	-4	-106	-217
<b>Dry Water Years (22%)</b>	-494	-307	-164	-42	55	27	18	1	2	-104	-328	-431
<b>Critical Water Years (15%)</b>	-127	-34	-18	25	28	36	38	-21	-33	-130	-283	-356

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-9-3a. Chipps Island South Channel, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	13,654	13,113	12,551	8,767	4,230	4,080	4,524	5,499	6,705	8,800	11,415	12,932
<b>20% Exceedance</b>	13,276	12,844	11,016	7,589	2,362	2,024	2,080	4,527	6,345	8,160	10,342	12,360
<b>30% Exceedance</b>	12,997	12,457	9,500	6,507	1,443	722	1,209	3,713	5,524	7,572	10,020	12,154
<b>40% Exceedance</b>	12,612	11,202	8,496	3,095	769	548	915	1,844	4,257	6,140	9,106	11,728
<b>50% Exceedance</b>	11,557	7,830	7,456	2,101	566	343	591	1,048	3,554	5,209	8,357	10,724
<b>60% Exceedance</b>	4,738	6,919	5,931	972	246	240	330	660	2,705	4,283	6,771	5,052
<b>70% Exceedance</b>	4,502	6,342	2,102	327	215	203	252	427	1,955	3,826	6,487	4,840
<b>80% Exceedance</b>	3,842	5,844	1,260	210	201	197	201	238	889	3,207	6,153	4,689
<b>90% Exceedance</b>	3,441	2,497	520	195	193	191	190	186	223	2,233	5,430	4,120
<b>Full Simulation Period Average<sup>a</sup></b>	8,728	8,685	6,594	3,560	1,483	1,154	1,385	2,281	3,852	5,569	8,093	8,529
<b>Wet Water Years (32%)</b>	3,701	5,057	4,990	625	232	226	282	513	1,261	2,736	5,489	4,155
<b>Above Normal Years (15%)</b>	4,704	6,701	5,734	1,999	454	229	340	672	2,457	3,859	6,362	4,773
<b>Below Normal Years (17%)</b>	11,697	9,289	6,033	3,706	873	770	907	1,643	3,663	5,555	8,644	11,294
<b>Dry Water Years (22%)</b>	13,244	11,680	7,326	5,707	2,420	1,568	1,948	3,401	5,565	7,720	10,154	12,192
<b>Critical Water Years (15%)</b>	13,404	13,329	10,489	8,089	4,528	3,915	4,536	6,785	8,510	10,205	11,734	13,040

**Table 6B1-9-3b. Chipps Island South Channel, Alternative 2 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	13,106	12,935	12,288	9,018	4,230	4,080	4,573	5,514	6,722	8,695	11,103	12,407
<b>20% Exceedance</b>	12,761	12,460	10,992	7,623	2,474	2,058	2,081	4,501	6,370	7,957	9,979	11,955
<b>30% Exceedance</b>	12,633	12,099	9,479	6,342	1,442	792	1,241	3,700	5,502	7,417	9,662	11,734
<b>40% Exceedance</b>	12,516	11,515	8,817	3,114	771	549	914	1,844	4,276	6,141	9,108	11,455
<b>50% Exceedance</b>	11,281	7,731	7,203	2,185	590	365	589	1,049	3,559	5,204	8,359	10,437
<b>60% Exceedance</b>	4,563	6,923	5,902	1,157	253	246	332	669	2,704	4,283	6,618	4,798
<b>70% Exceedance</b>	4,261	6,310	2,206	352	218	206	253	429	1,953	3,817	6,334	4,580
<b>80% Exceedance</b>	3,645	5,821	1,452	215	201	197	201	237	889	3,208	5,973	4,427
<b>90% Exceedance</b>	3,325	2,710	520	196	193	192	191	186	223	2,233	5,265	3,826
<b>Full Simulation Period Average<sup>a</sup></b>	8,488	8,601	6,587	3,562	1,500	1,169	1,395	2,275	3,840	5,524	7,879	8,230
<b>Wet Water Years (32%)</b>	3,584	5,074	5,043	644	234	227	283	520	1,262	2,738	5,348	3,936
<b>Above Normal Years (15%)</b>	4,491	6,600	5,777	2,062	478	236	342	669	2,444	3,846	6,181	4,518
<b>Below Normal Years (17%)</b>	11,437	9,382	6,095	3,561	870	781	915	1,645	3,665	5,554	8,526	11,069
<b>Dry Water Years (22%)</b>	12,779	11,301	7,166	5,744	2,465	1,593	1,959	3,383	5,551	7,611	9,821	11,770
<b>Critical Water Years (15%)</b>	13,231	13,284	10,449	8,115	4,553	3,960	4,572	6,755	8,461	10,072	11,390	12,621

**Table 6B1-9-3c. Chipps Island South Channel, Alternative 2 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-548	-178	-263	252	0	0	49	14	18	-105	-312	-525
<b>20% Exceedance</b>	-515	-384	-24	35	112	34	1	-27	25	-204	-363	-405
<b>30% Exceedance</b>	-364	-358	-21	-164	-1	70	32	-13	-22	-155	-358	-420
<b>40% Exceedance</b>	-96	313	321	19	3	1	-1	0	19	1	2	-273
<b>50% Exceedance</b>	-277	-99	-253	84	24	22	-2	1	5	-5	2	-287
<b>60% Exceedance</b>	-175	4	-29	185	7	7	2	9	-1	1	-152	-254
<b>70% Exceedance</b>	-241	-32	104	25	3	3	1	2	-2	-9	-153	-260
<b>80% Exceedance</b>	-197	-24	192	5	1	0	0	0	0	1	-181	-262
<b>90% Exceedance</b>	-116	213	1	0	0	1	1	0	0	0	-165	-294
<b>Full Simulation Period Average<sup>a</sup></b>	-240	-83	-7	3	17	15	10	-6	-12	-45	-215	-299
<b>Wet Water Years (32%)</b>	-117	17	53	19	2	0	0	7	1	2	-141	-218
<b>Above Normal Years (15%)</b>	-214	-101	43	62	23	7	1	-3	-13	-13	-180	-255
<b>Below Normal Years (17%)</b>	-260	93	62	-144	-4	10	9	2	2	-1	-119	-225
<b>Dry Water Years (22%)</b>	-465	-379	-159	37	45	25	11	-18	-15	-109	-333	-422
<b>Critical Water Years (15%)</b>	-173	-45	-40	26	25	45	37	-30	-50	-134	-344	-419

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-9-4a. Chipps Island South Channel, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	13,654	13,113	12,551	8,767	4,230	4,080	4,524	5,499	6,705	8,800	11,415	12,932
<b>20% Exceedance</b>	13,276	12,844	11,016	7,589	2,362	2,024	2,080	4,527	6,345	8,160	10,342	12,360
<b>30% Exceedance</b>	12,997	12,457	9,500	6,507	1,443	722	1,209	3,713	5,524	7,572	10,020	12,154
<b>40% Exceedance</b>	12,612	11,202	8,496	3,095	769	548	915	1,844	4,257	6,140	9,106	11,728
<b>50% Exceedance</b>	11,557	7,830	7,456	2,101	566	343	591	1,048	3,554	5,209	8,357	10,724
<b>60% Exceedance</b>	4,738	6,919	5,931	972	246	240	330	660	2,705	4,283	6,771	5,052
<b>70% Exceedance</b>	4,502	6,342	2,102	327	215	203	252	427	1,955	3,826	6,487	4,840
<b>80% Exceedance</b>	3,842	5,844	1,260	210	201	197	201	238	889	3,207	6,153	4,689
<b>90% Exceedance</b>	3,441	2,497	520	195	193	191	190	186	223	2,233	5,430	4,120
<b>Full Simulation Period Average<sup>a</sup></b>	8,728	8,685	6,594	3,560	1,483	1,154	1,385	2,281	3,852	5,569	8,093	8,529
<b>Wet Water Years (32%)</b>	3,701	5,057	4,990	625	232	226	282	513	1,261	2,736	5,489	4,155
<b>Above Normal Years (15%)</b>	4,704	6,701	5,734	1,999	454	229	340	672	2,457	3,859	6,362	4,773
<b>Below Normal Years (17%)</b>	11,697	9,289	6,033	3,706	873	770	907	1,643	3,663	5,555	8,644	11,294
<b>Dry Water Years (22%)</b>	13,244	11,680	7,326	5,707	2,420	1,568	1,948	3,401	5,565	7,720	10,154	12,192
<b>Critical Water Years (15%)</b>	13,404	13,329	10,489	8,089	4,528	3,915	4,536	6,785	8,510	10,205	11,734	13,040

**Table 6B1-9-4b. Chipps Island South Channel, Alternative 3 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	13,445	13,026	12,324	9,122	4,230	4,091	4,639	5,503	6,718	8,704	11,243	12,594
<b>20% Exceedance</b>	12,903	12,675	10,997	7,587	2,416	2,074	2,102	4,518	6,306	7,955	10,011	12,153
<b>30% Exceedance</b>	12,601	12,097	9,495	6,407	1,464	792	1,241	3,587	5,510	7,422	9,767	11,818
<b>40% Exceedance</b>	12,433	10,885	8,906	3,126	773	586	925	1,884	4,272	6,096	9,059	11,383
<b>50% Exceedance</b>	9,623	7,358	7,249	2,196	584	365	607	1,049	3,524	5,210	8,306	10,170
<b>60% Exceedance</b>	4,610	6,751	5,643	1,147	250	247	331	657	2,703	4,244	6,642	4,829
<b>70% Exceedance</b>	4,286	6,283	2,121	338	218	205	253	428	1,953	3,826	6,339	4,580
<b>80% Exceedance</b>	3,741	5,268	1,200	213	202	198	202	239	894	3,208	5,956	4,443
<b>90% Exceedance</b>	3,415	2,818	402	196	193	193	191	186	223	2,233	5,274	3,695
<b>Full Simulation Period Average<sup>a</sup></b>	8,420	8,451	6,552	3,569	1,495	1,166	1,399	2,270	3,849	5,525	7,901	8,283
<b>Wet Water Years (32%)</b>	3,638	5,116	5,080	625	233	227	290	502	1,246	2,739	5,346	3,969
<b>Above Normal Years (15%)</b>	4,438	6,394	5,687	2,091	481	237	352	644	2,451	3,846	6,162	4,505
<b>Below Normal Years (17%)</b>	10,798	8,341	5,924	3,602	890	799	922	1,636	3,689	5,542	8,529	11,089
<b>Dry Water Years (22%)</b>	12,837	11,499	7,161	5,769	2,456	1,581	1,957	3,406	5,577	7,617	9,856	11,812
<b>Critical Water Years (15%)</b>	13,362	13,292	10,423	8,087	4,510	3,936	4,566	6,766	8,482	10,081	11,507	12,840

**Table 6B1-9-4c. Chipps Island South Channel, Alternative 3 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-209	-87	-227	355	0	11	115	4	14	-96	-171	-338
<b>20% Exceedance</b>	-372	-169	-19	-2	54	50	22	-9	-40	-205	-331	-207
<b>30% Exceedance</b>	-396	-360	-6	-99	20	70	32	-126	-15	-150	-253	-336
<b>40% Exceedance</b>	-179	-318	410	32	5	39	10	40	15	-44	-47	-345
<b>50% Exceedance</b>	-1,934	-472	-207	95	18	22	16	1	-30	1	-51	-554
<b>60% Exceedance</b>	-129	-168	-289	176	4	7	2	-3	-1	-39	-129	-223
<b>70% Exceedance</b>	-216	-59	19	11	3	2	1	2	-2	0	-147	-260
<b>80% Exceedance</b>	-100	-577	-61	2	1	1	2	1	5	1	-197	-245
<b>90% Exceedance</b>	-26	321	-118	0	0	1	1	0	0	0	-156	-425
<b>Full Simulation Period Average<sup>a</sup></b>	-308	-233	-43	9	12	12	14	-11	-3	-44	-193	-246
<b>Wet Water Years (32%)</b>	-62	59	90	0	1	1	8	-11	-15	3	-143	-186
<b>Above Normal Years (15%)</b>	-266	-307	-47	92	27	8	12	-28	-5	-13	-200	-269
<b>Below Normal Years (17%)</b>	-899	-948	-109	-103	16	29	15	-7	26	-13	-115	-205
<b>Dry Water Years (22%)</b>	-407	-181	-165	61	36	13	10	5	12	-104	-298	-379
<b>Critical Water Years (15%)</b>	-42	-37	-66	-2	-18	21	31	-19	-28	-124	-227	-200

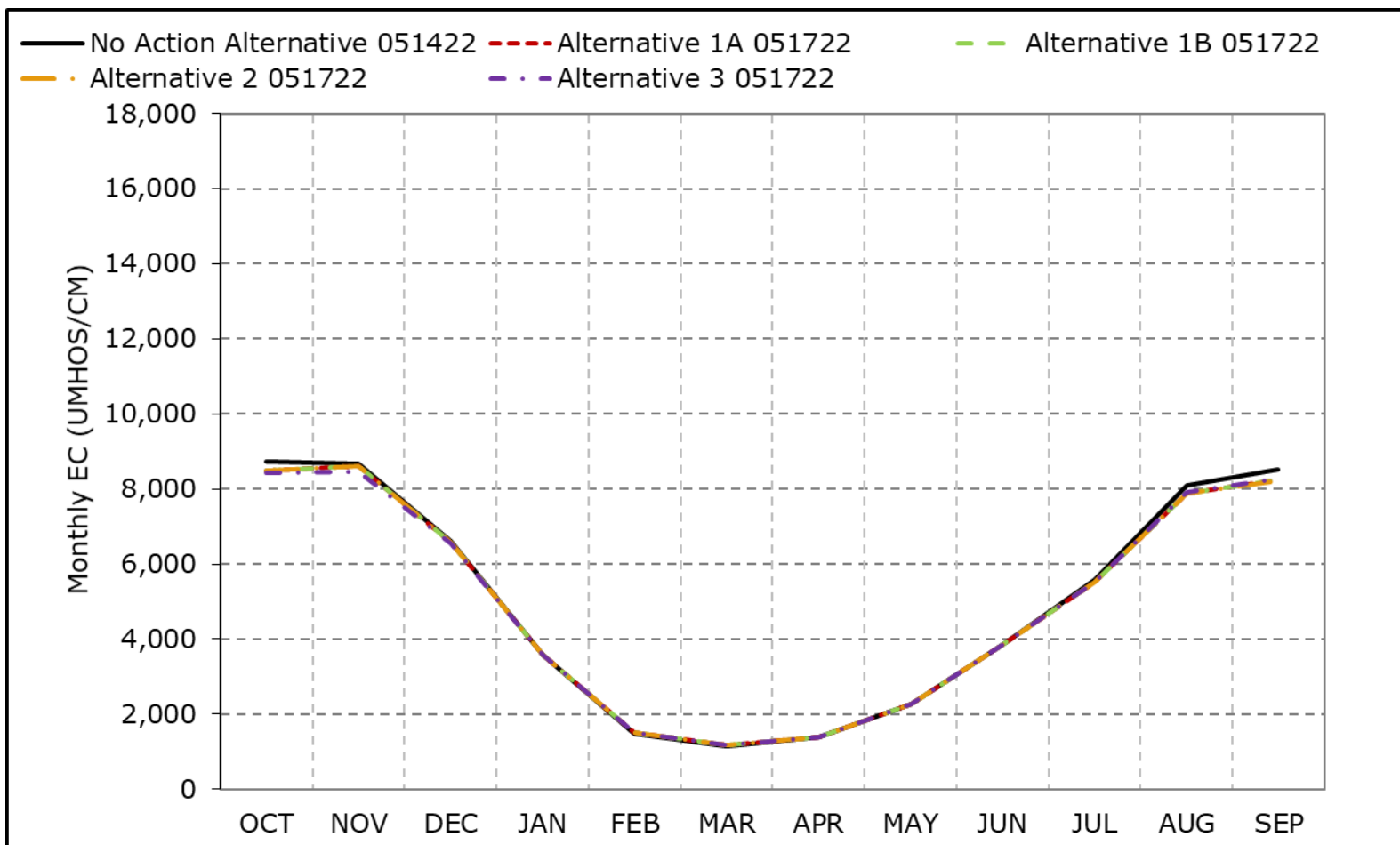
<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Figure 6B1-9-1. Chipps Island South Channel, Long-Term Average EC**

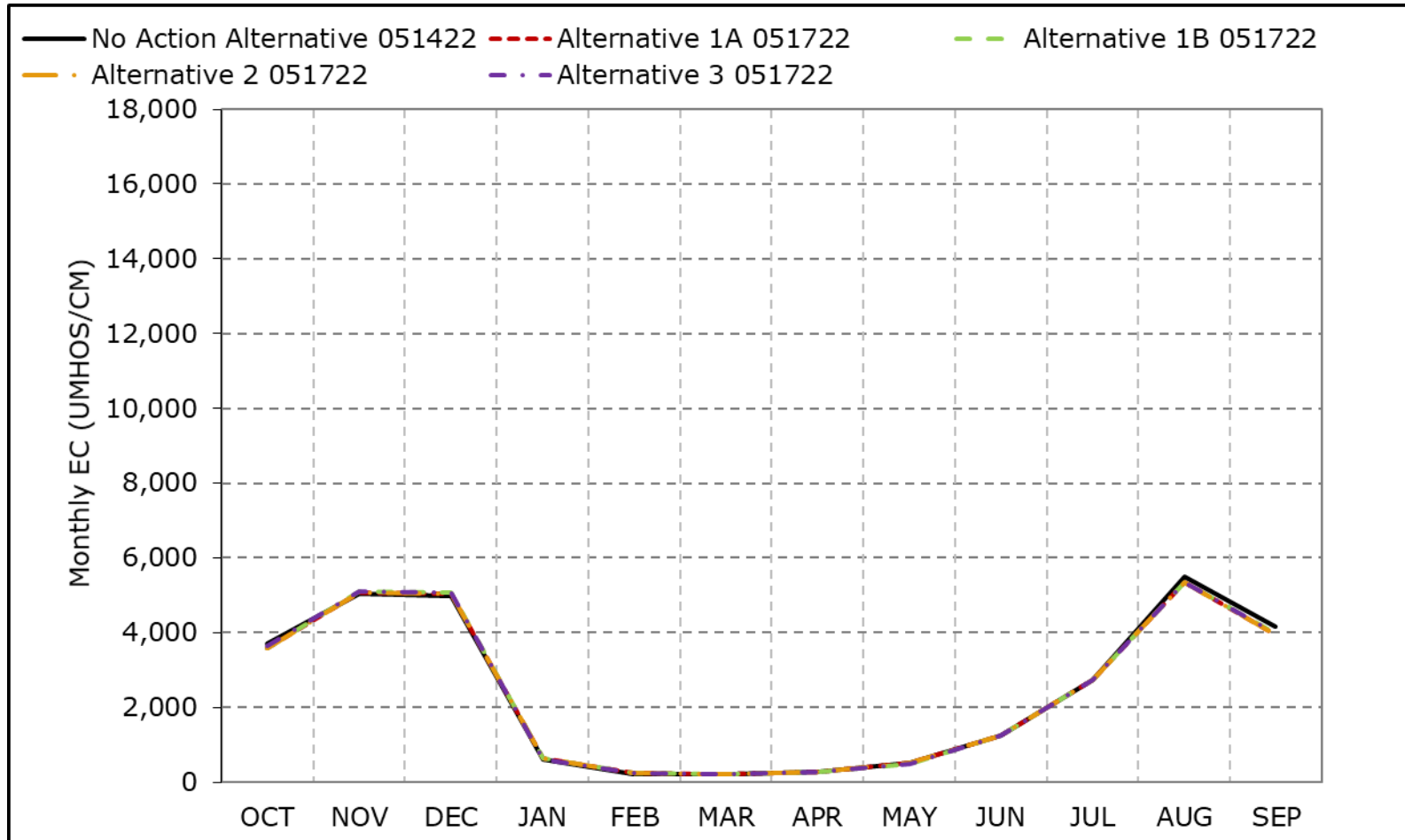


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-9-2. Chipps Island South Channel, Wet Year Average EC**



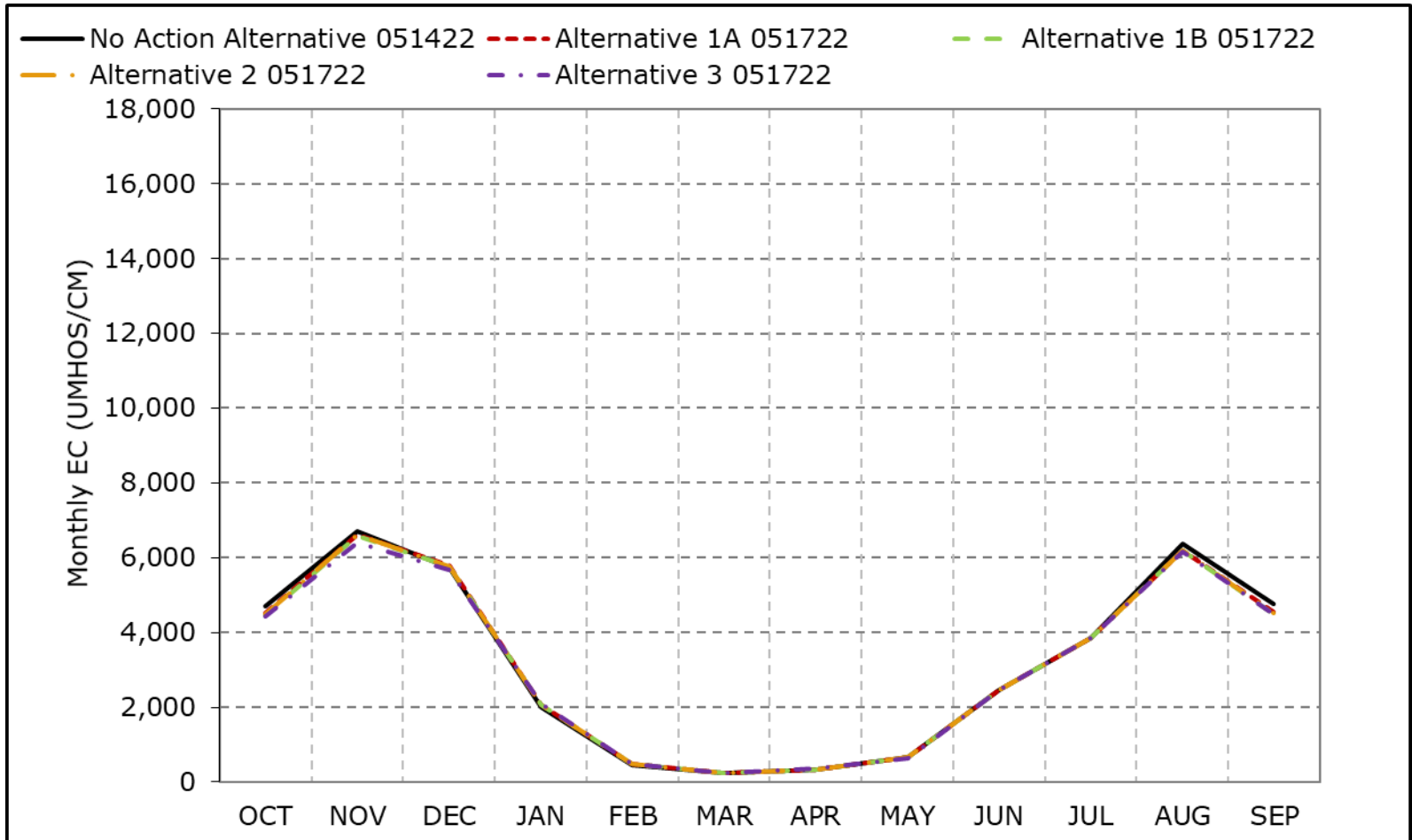
\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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



**Figure 6B1-9-3. Chipps Island South Channel, Above Normal Year Average EC**

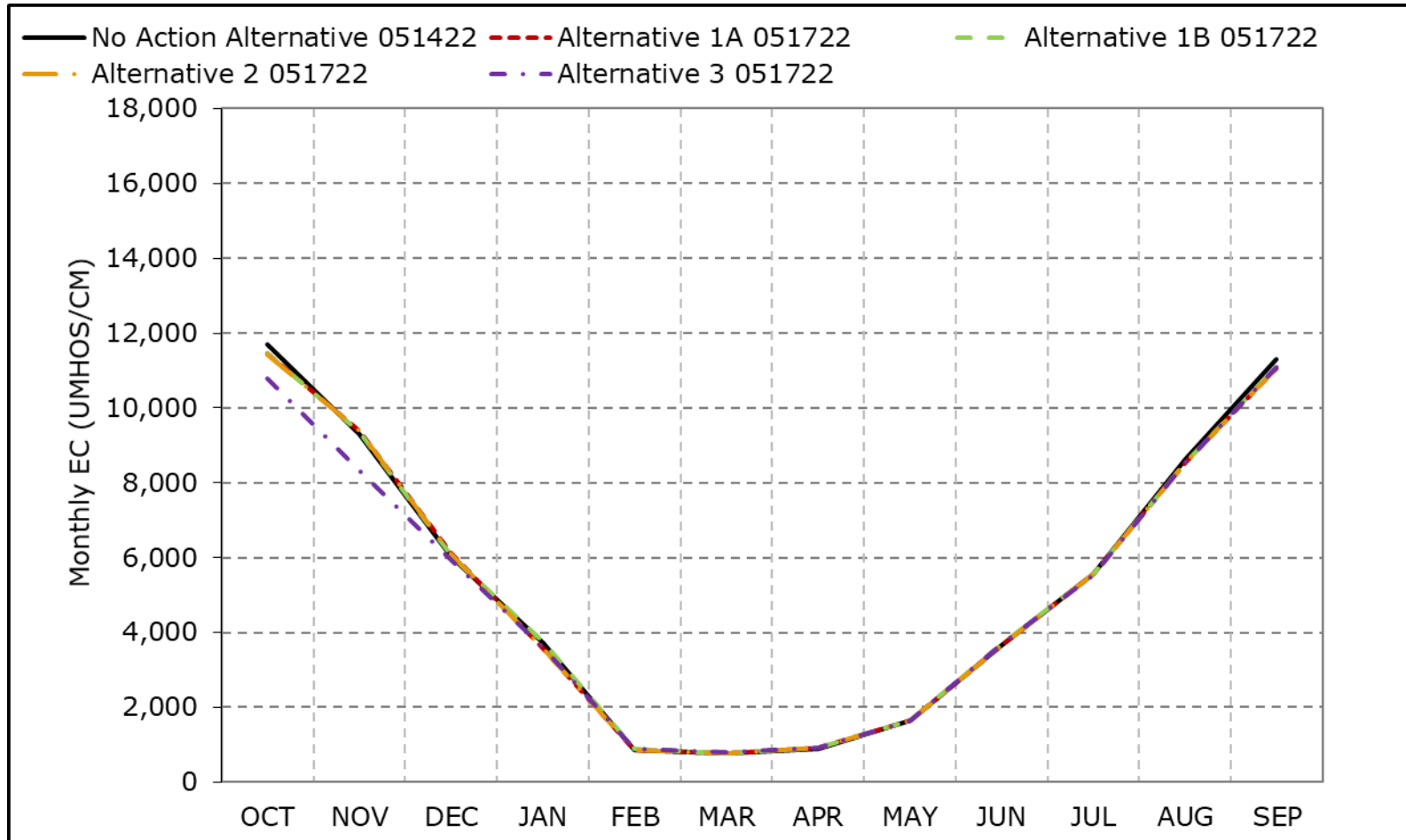


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-9-4. Chipps Island South Channel, Below Normal Year Average EC**

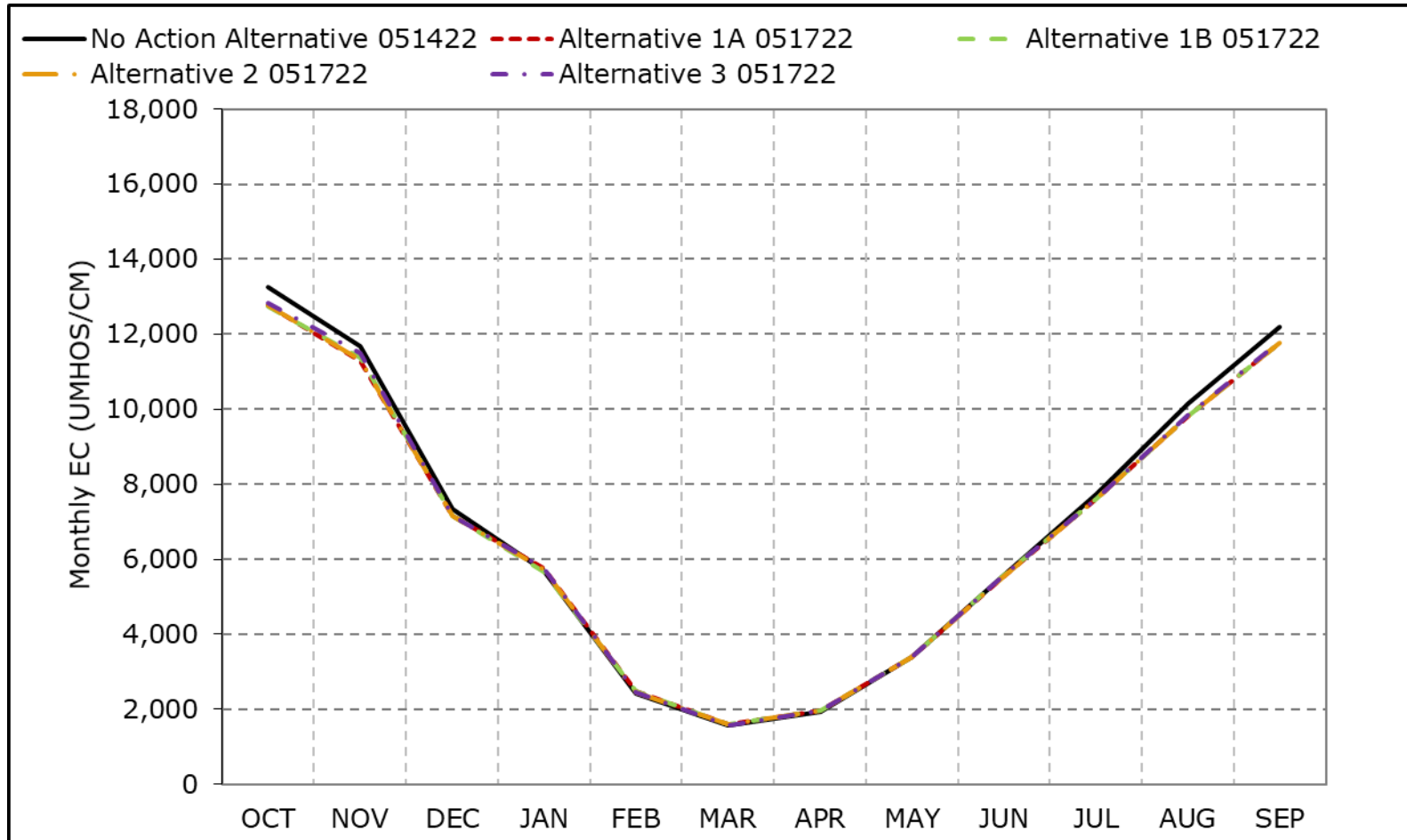


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-9-5. Chipps Island South Channel, Dry Year Average EC**

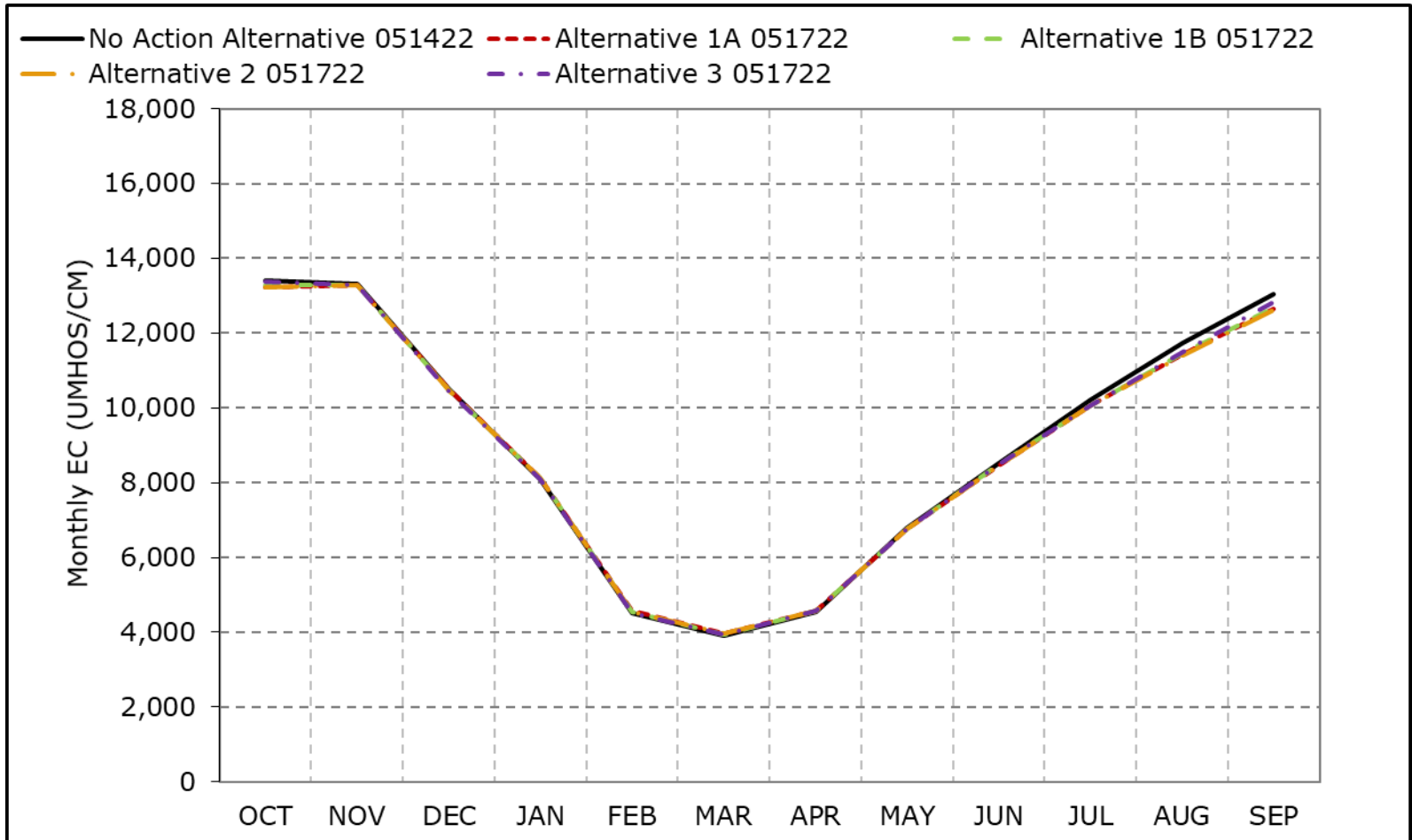


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-9-6. Chipps Island South Channel, Critical Year Average EC**

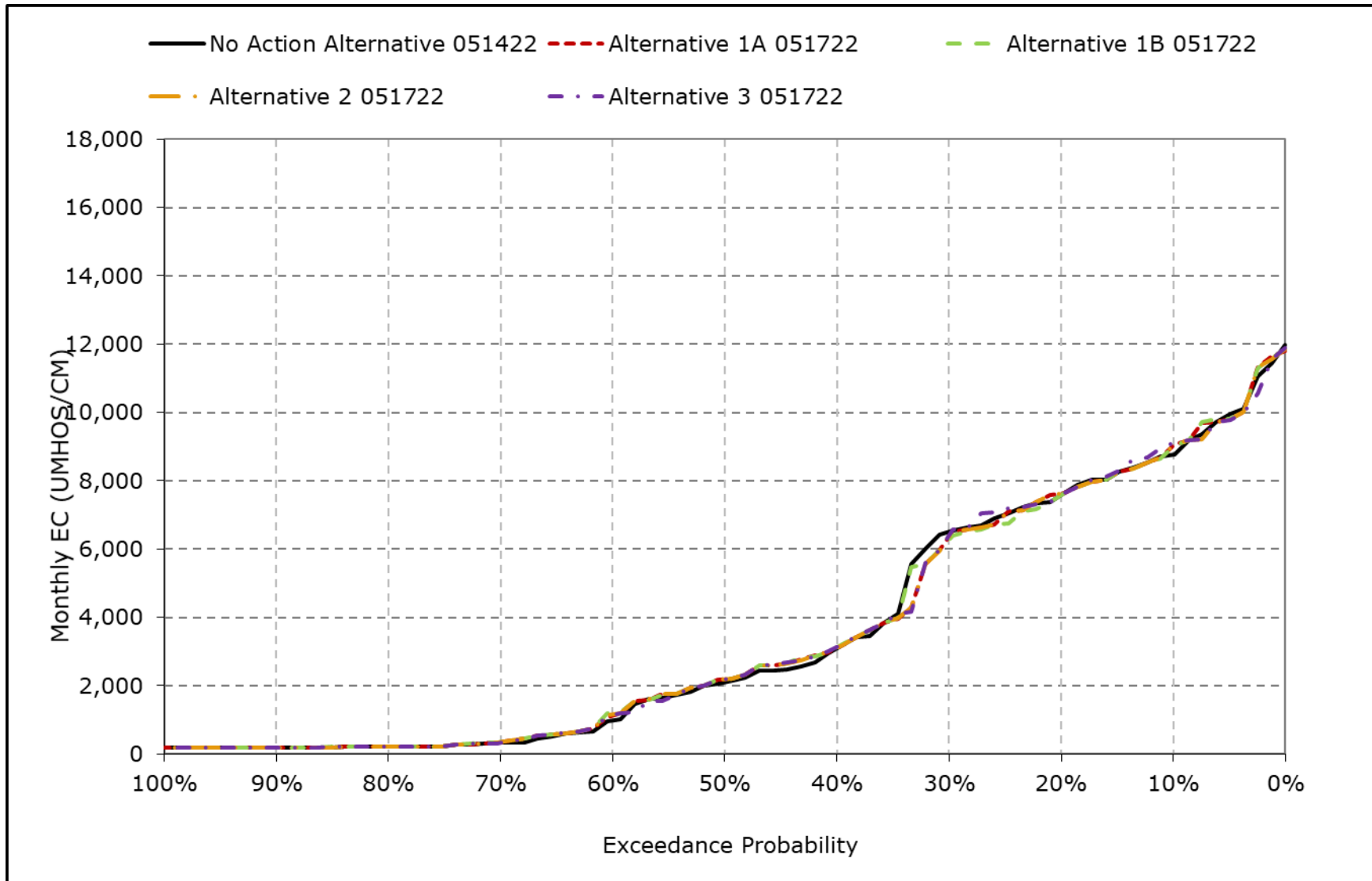


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

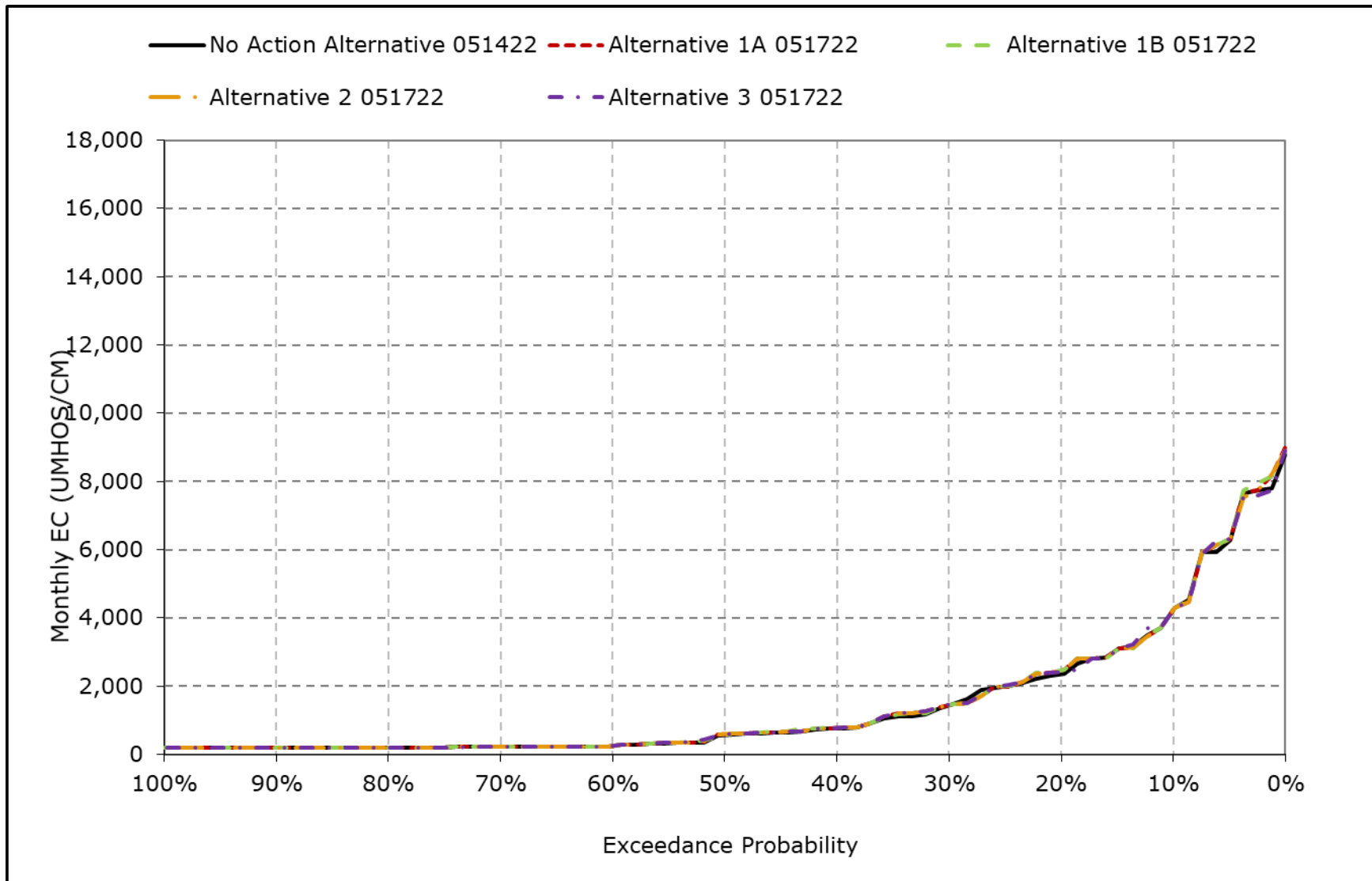
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-9-7. Chipps Island South Channel Salinity, January EC**



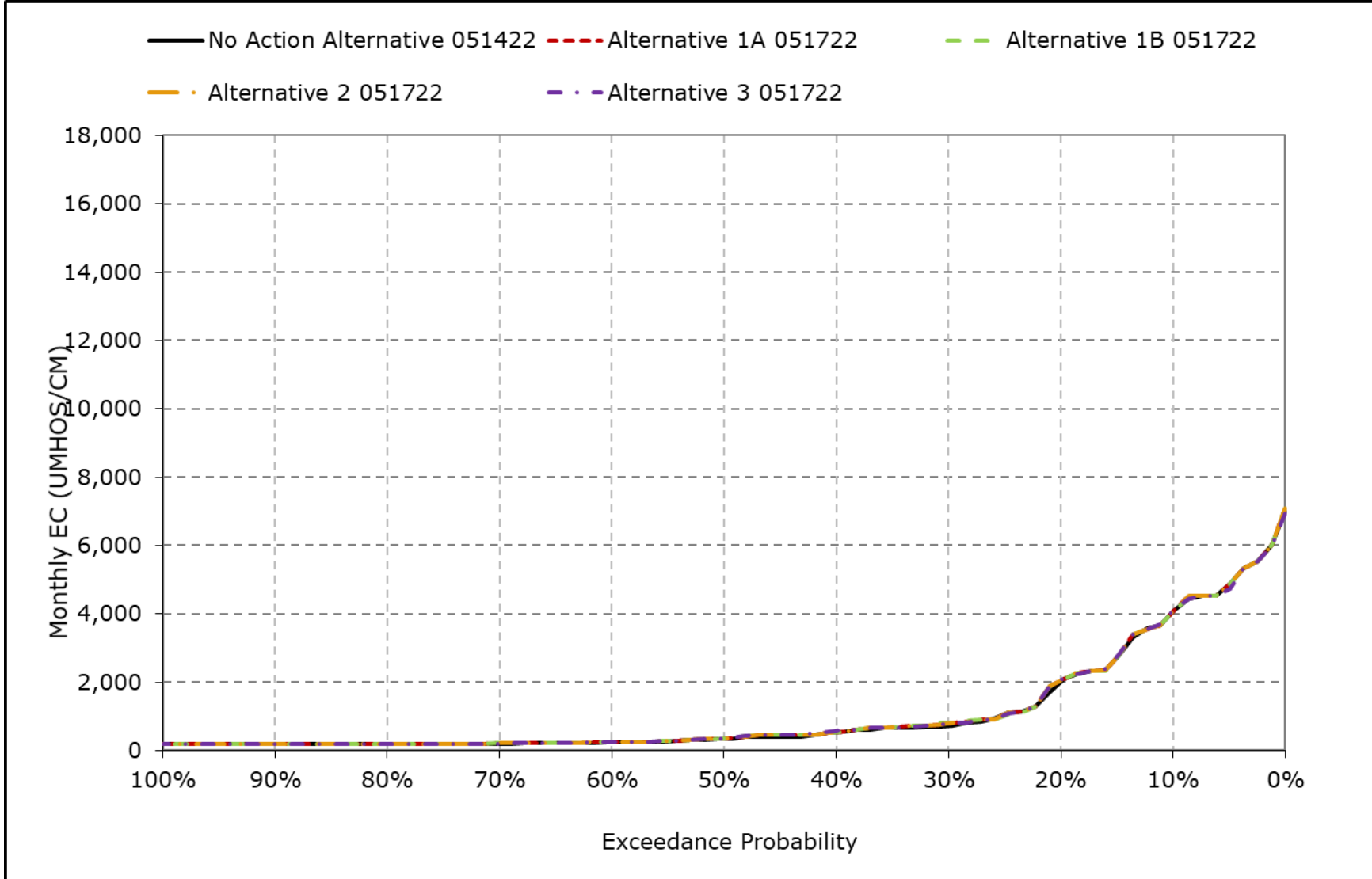
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-9-8. Chipps Island South Channel Salinity, February EC**



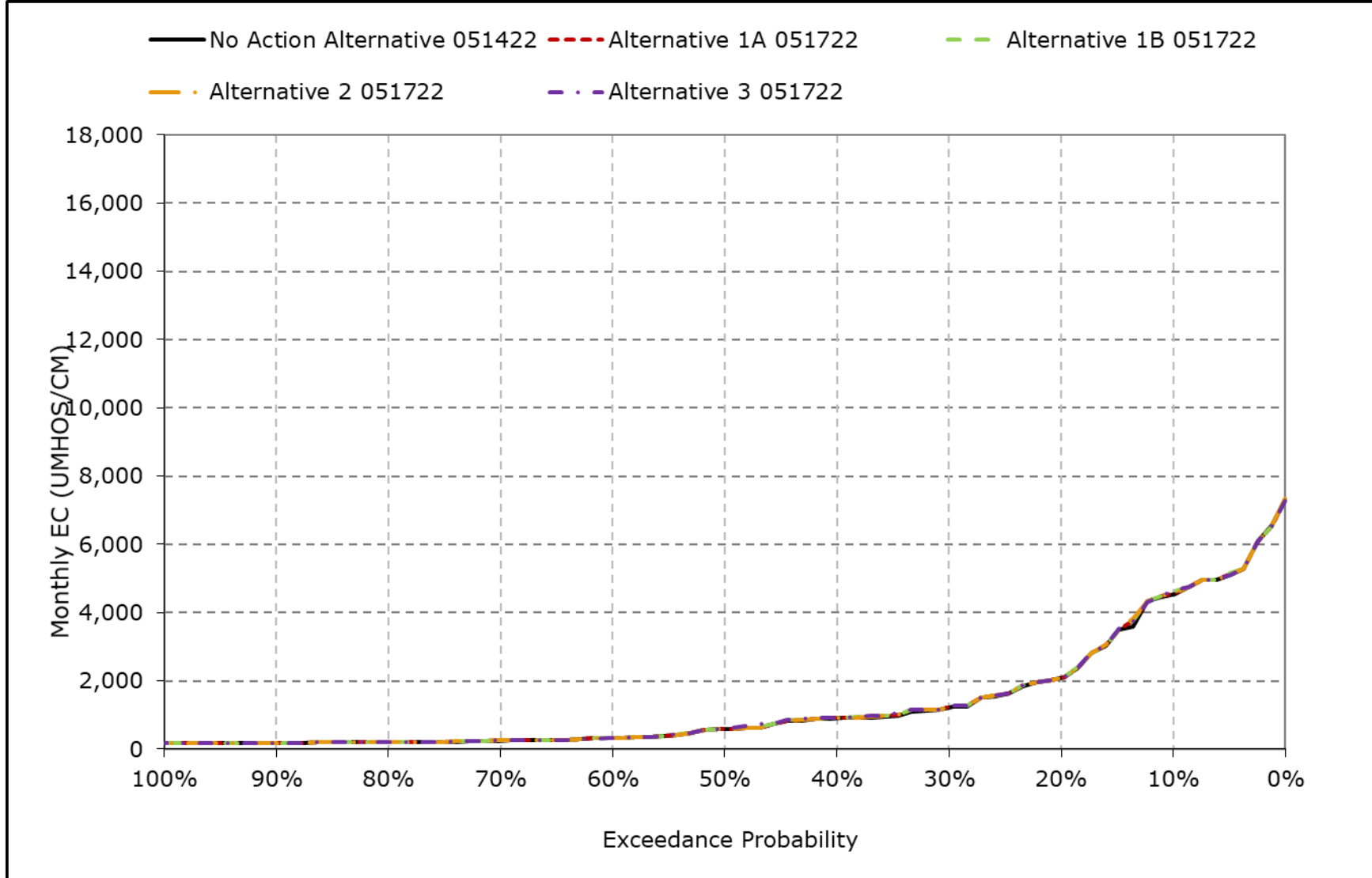
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-9-9. Chipps Island South Channel Salinity, March EC**



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

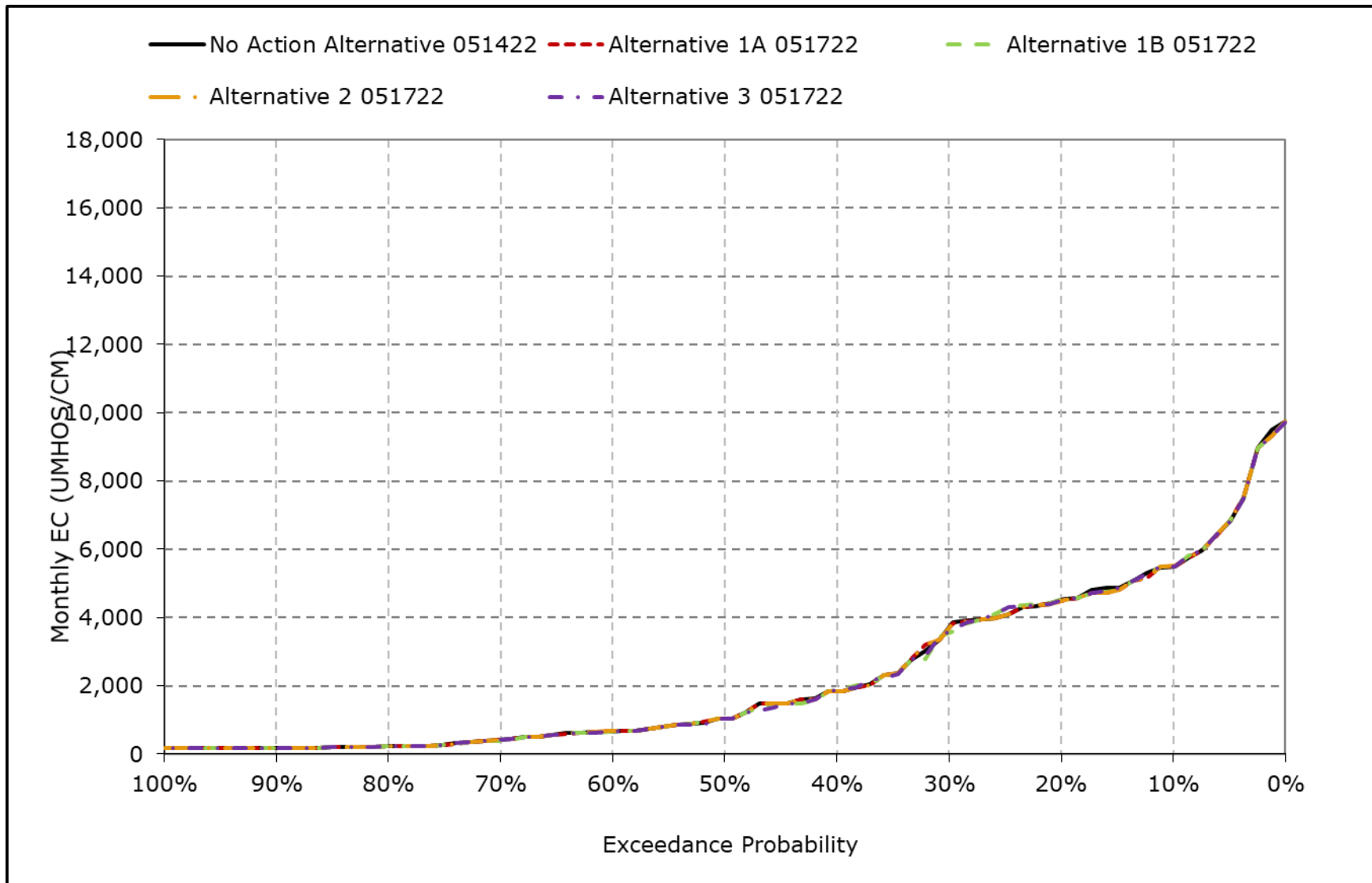
**Figure 6B1-9-10. Chipps Island South Channel Salinity, April EC**



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

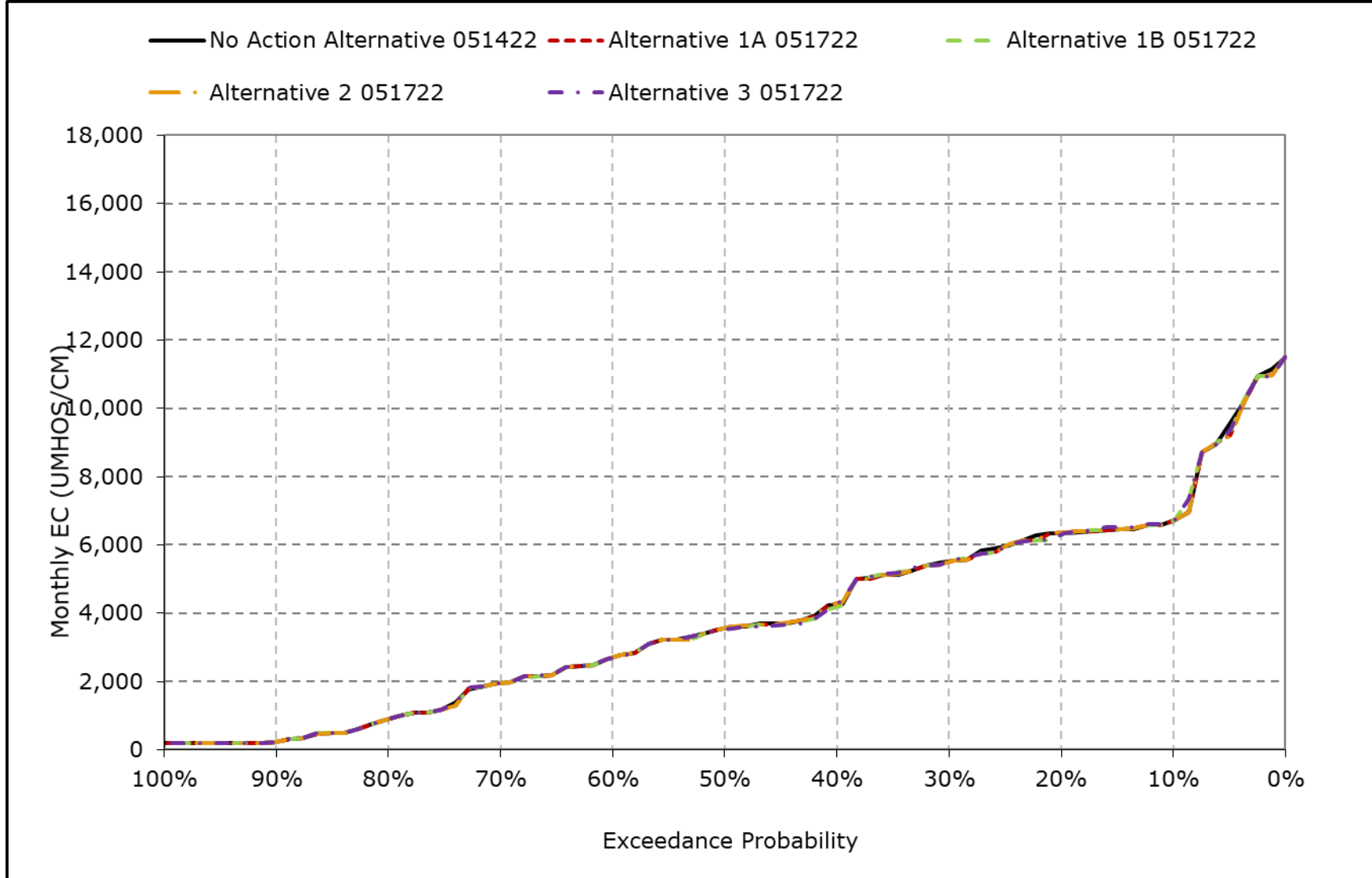


**Figure 6B1-9-11. Chipps Island South Channel Salinity, May EC**



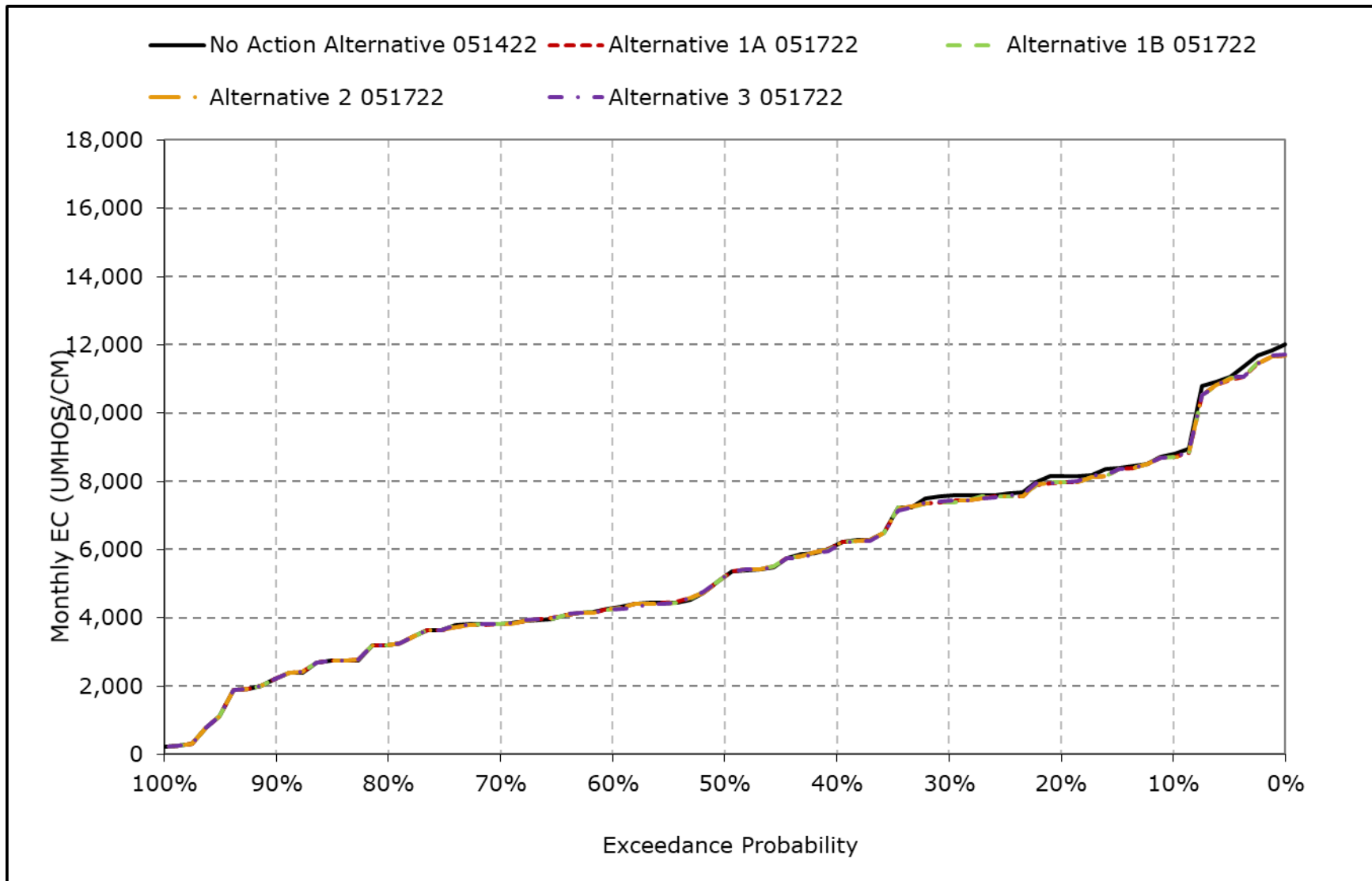
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-9-12. Chipps Island South Channel Salinity, June EC**



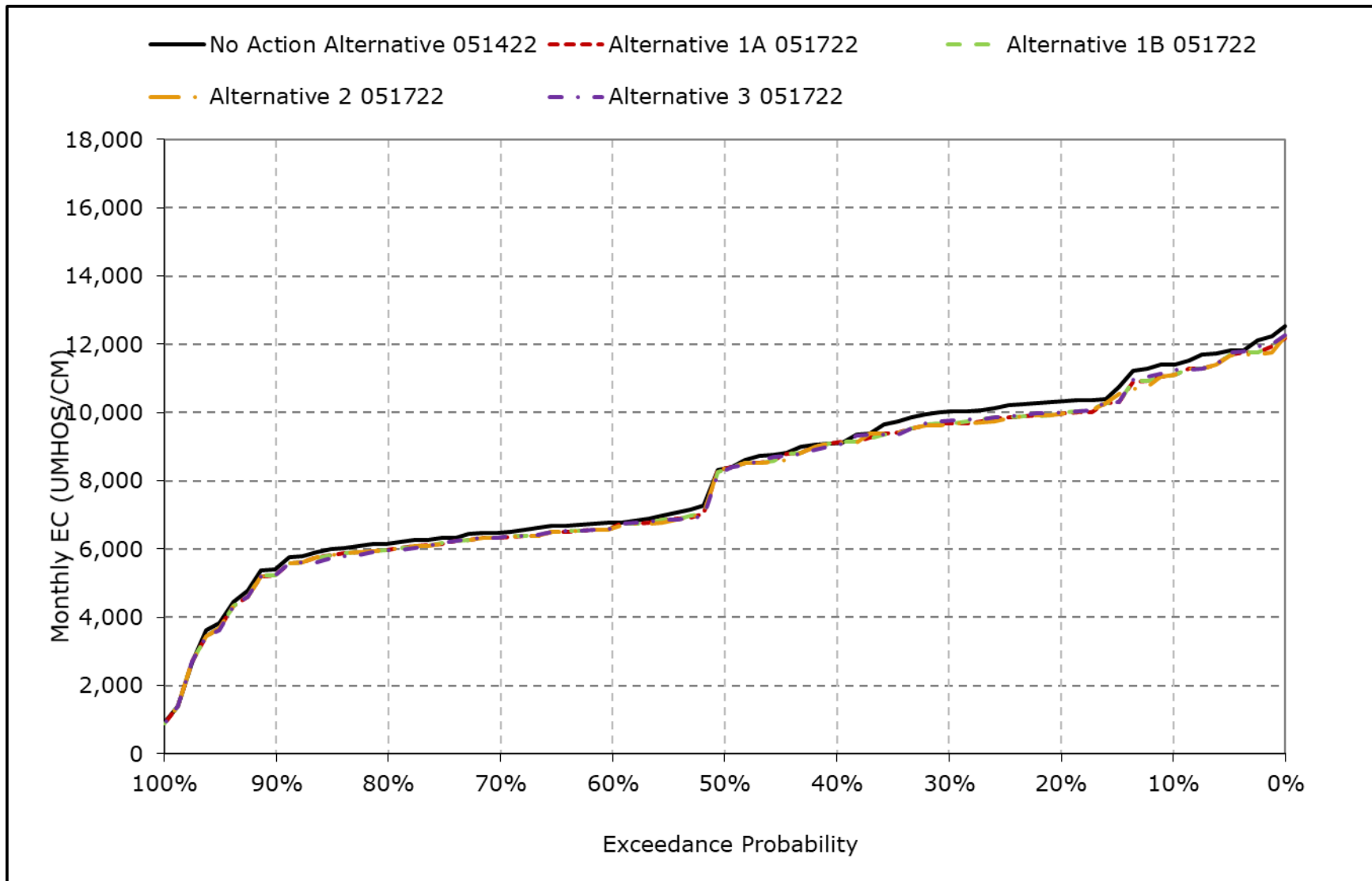
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-9-13. Chipps Island South Channel Salinity, July EC**



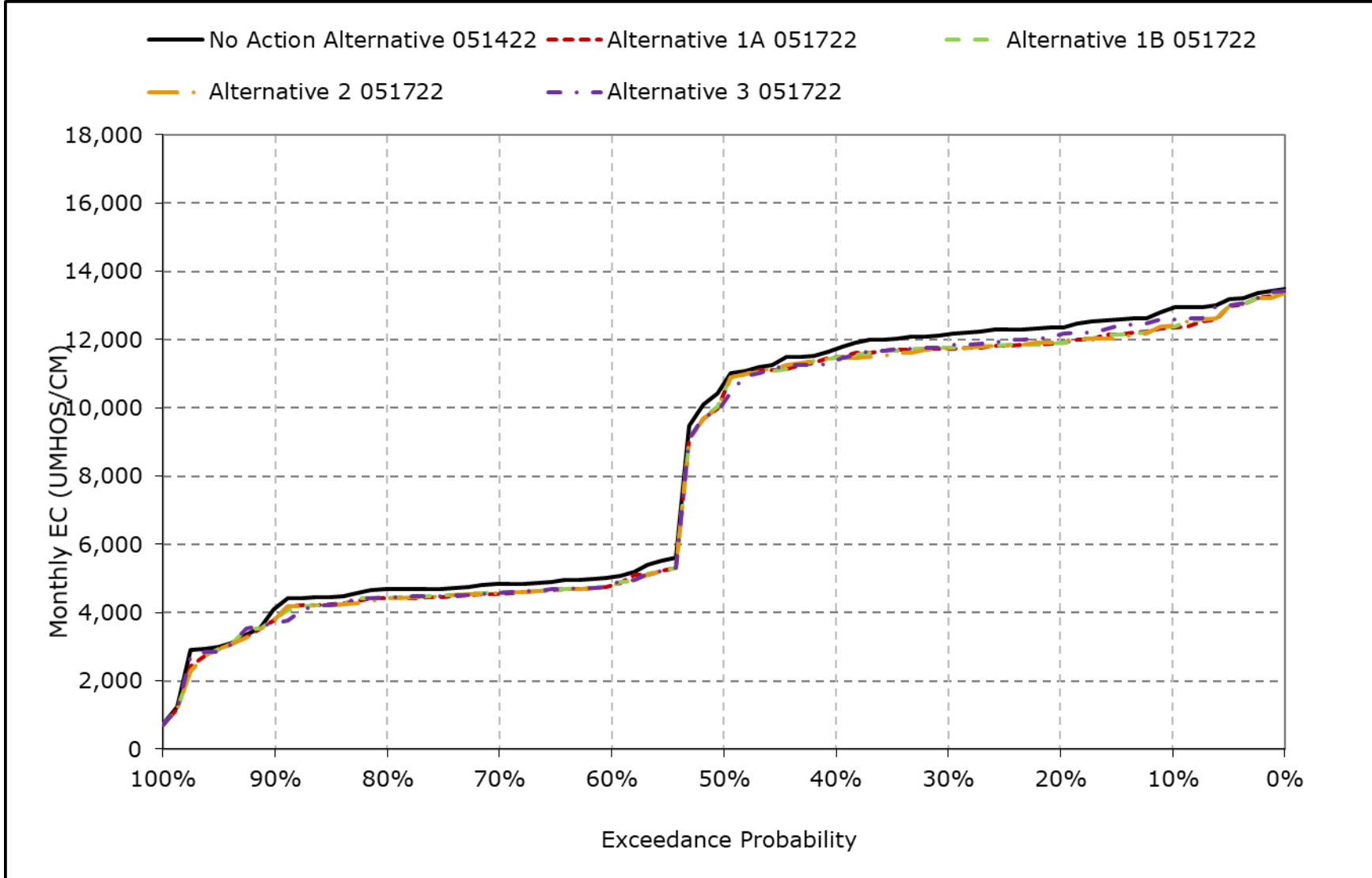
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-9-14. Chipps Island South Channel Salinity, August EC**



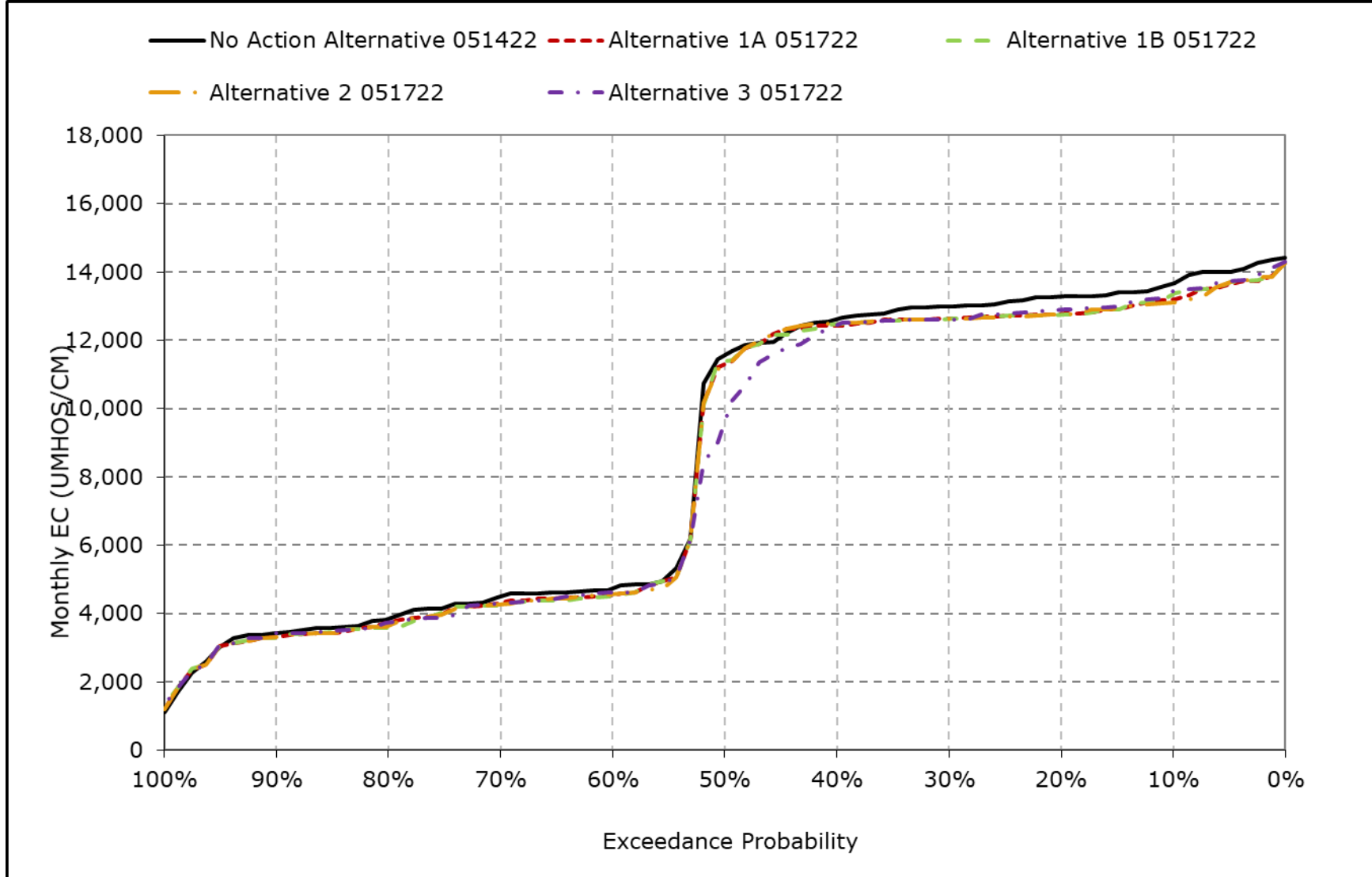
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-9-15. Chipps Island South Channel Salinity, September EC**



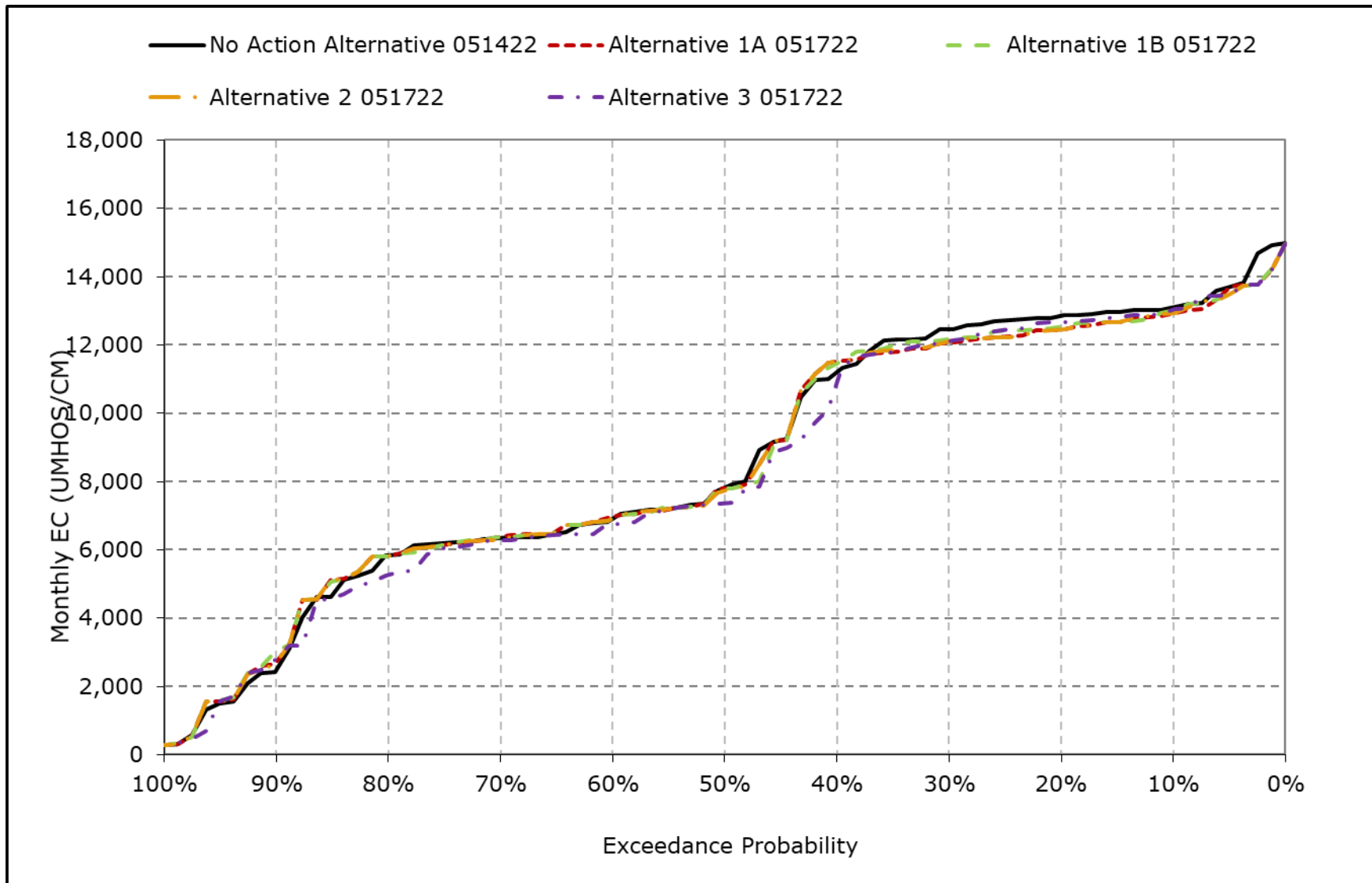
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-9-16. Chipps Island South Channel Salinity, October EC**



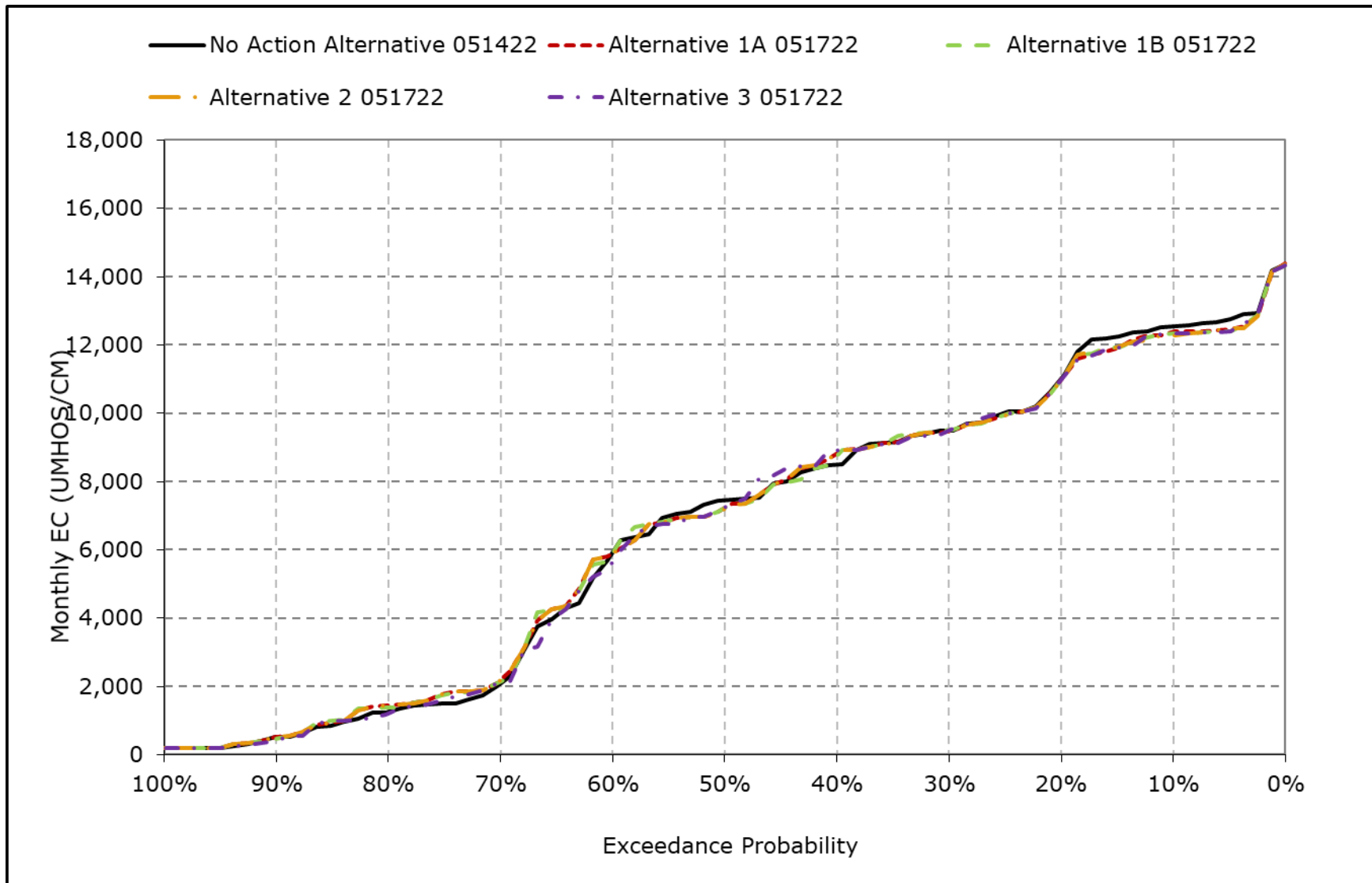
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-9-17. Chipps Island South Channel Salinity, November EC**



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

**Figure 6B1-9-18. Chipps Island South Channel Salinity, December EC**



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



**Table 6B1-10-1a. Sacramento River at Port Chicago, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	18,726	18,290	17,960	15,062	10,109	9,592	9,908	11,234	12,659	14,750	17,280	18,306
<b>20% Exceedance</b>	18,333	18,049	16,795	13,738	6,727	6,642	6,767	10,214	12,268	14,061	16,126	17,798
<b>30% Exceedance</b>	18,127	17,731	15,324	12,422	4,648	3,295	4,929	9,015	11,291	13,621	15,948	17,639
<b>40% Exceedance</b>	17,982	16,691	14,745	8,058	3,111	2,583	4,113	6,139	10,222	12,261	14,893	17,195
<b>50% Exceedance</b>	17,081	13,796	13,763	6,323	1,655	1,754	3,103	4,466	8,739	11,350	14,294	16,405
<b>60% Exceedance</b>	10,609	13,031	12,210	3,997	596	1,015	1,851	3,343	8,036	10,133	12,621	10,695
<b>70% Exceedance</b>	10,155	12,319	6,047	978	319	453	1,162	2,584	6,344	9,460	12,247	10,430
<b>80% Exceedance</b>	9,387	11,821	3,544	390	216	235	456	1,182	4,151	8,596	11,861	10,240
<b>90% Exceedance</b>	8,919	7,384	1,110	217	203	200	216	385	1,169	6,567	11,090	9,214
<b>Full Simulation Period Average<sup>a</sup></b>	14,015	13,955	11,070	6,874	3,551	3,123	3,867	5,601	8,389	11,090	13,808	13,958
<b>Wet Water Years (32%)</b>	9,108	10,352	9,181	1,467	432	607	980	1,850	4,039	7,355	10,965	9,372
<b>Above Normal Years (15%)</b>	10,413	12,315	10,232	4,416	1,304	682	1,553	2,992	6,765	9,401	12,060	10,382
<b>Below Normal Years (17%)</b>	16,728	14,410	9,966	7,855	2,728	2,978	3,567	5,326	8,902	11,577	14,504	16,782
<b>Dry Water Years (22%)</b>	18,372	16,915	11,751	10,988	6,122	4,694	5,888	8,456	11,341	13,840	16,062	17,736
<b>Critical Water Years (15%)</b>	18,547	18,433	16,266	13,736	9,660	8,826	9,753	12,372	14,412	16,179	17,526	18,506

**Table 6B1-10-1b. Sacramento River at Port Chicago, Alternative 1A 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	18,331	18,112	17,759	15,042	10,034	9,592	9,969	11,281	12,677	14,716	17,153	17,947
<b>20% Exceedance</b>	18,034	17,793	16,782	13,736	7,018	6,642	6,770	10,168	12,271	14,032	15,985	17,561
<b>30% Exceedance</b>	17,904	17,515	15,324	12,285	4,858	3,546	4,985	9,022	11,239	13,566	15,762	17,404
<b>40% Exceedance</b>	17,830	16,992	14,818	8,184	3,231	2,773	4,139	6,139	10,246	12,262	14,909	17,034
<b>50% Exceedance</b>	17,035	13,738	13,492	6,641	1,714	1,843	3,090	4,476	8,733	11,352	14,235	16,249
<b>60% Exceedance</b>	10,486	13,051	12,195	4,188	646	1,027	1,879	3,354	8,035	10,126	12,503	10,488
<b>70% Exceedance</b>	10,083	12,374	6,699	1,099	331	497	1,164	2,614	6,376	9,420	12,125	10,270
<b>80% Exceedance</b>	9,383	11,850	4,121	415	224	241	476	1,182	4,151	8,597	11,744	9,949
<b>90% Exceedance</b>	8,802	7,825	1,175	218	203	200	223	387	1,170	6,570	10,980	9,029
<b>Full Simulation Period Average<sup>a</sup></b>	13,874	13,958	11,136	6,926	3,607	3,182	3,892	5,592	8,375	11,057	13,678	13,757
<b>Wet Water Years (32%)</b>	9,061	10,449	9,280	1,533	441	614	987	1,862	4,041	7,358	10,875	9,199
<b>Above Normal Years (15%)</b>	10,268	12,253	10,376	4,568	1,393	728	1,561	2,969	6,744	9,388	11,955	10,213
<b>Below Normal Years (17%)</b>	16,616	14,675	10,185	7,754	2,760	3,044	3,600	5,330	8,905	11,578	14,449	16,664
<b>Dry Water Years (22%)</b>	18,054	16,649	11,648	11,063	6,250	4,815	5,926	8,430	11,319	13,755	15,838	17,451
<b>Critical Water Years (15%)</b>	18,439	18,394	16,263	13,794	9,704	8,914	9,806	12,343	14,365	16,086	17,333	18,243

**Table 6B1-10-1c. Sacramento River at Port Chicago, Alternative 1A 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-396	-179	-202	-21	-74	0	61	47	19	-33	-128	-359
<b>20% Exceedance</b>	-300	-255	-13	-2	291	0	2	-46	4	-29	-140	-237
<b>30% Exceedance</b>	-224	-216	0	-138	210	251	55	6	-53	-55	-186	-235
<b>40% Exceedance</b>	-152	300	73	126	120	191	26	0	25	1	16	-161
<b>50% Exceedance</b>	-46	-58	-271	318	60	89	-12	10	-7	1	-59	-156
<b>60% Exceedance</b>	-123	21	-14	191	50	13	28	11	-1	-7	-118	-207
<b>70% Exceedance</b>	-72	55	652	122	12	44	2	30	31	-41	-121	-160
<b>80% Exceedance</b>	-4	30	577	25	9	7	20	0	0	2	-117	-292
<b>90% Exceedance</b>	-116	440	65	1	0	0	6	2	1	2	-110	-186
<b>Full Simulation Period Average<sup>a</sup></b>	-141	3	67	51	56	59	25	-9	-14	-33	-131	-200
<b>Wet Water Years (32%)</b>	-46	97	99	66	9	7	7	13	2	3	-90	-173
<b>Above Normal Years (15%)</b>	-145	-62	144	152	89	46	8	-23	-21	-13	-104	-169
<b>Below Normal Years (17%)</b>	-112	264	219	-101	32	65	33	4	3	1	-55	-117
<b>Dry Water Years (22%)</b>	-318	-267	-103	75	128	121	38	-26	-22	-85	-224	-285
<b>Critical Water Years (15%)</b>	-108	-39	-4	59	44	88	53	-29	-47	-93	-193	-263

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-10-2a. Sacramento River at Port Chicago, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	18,726	18,290	17,960	15,062	10,109	9,592	9,908	11,234	12,659	14,750	17,280	18,306
<b>20% Exceedance</b>	18,333	18,049	16,795	13,738	6,727	6,642	6,767	10,214	12,268	14,061	16,126	17,798
<b>30% Exceedance</b>	18,127	17,731	15,324	12,422	4,648	3,295	4,929	9,015	11,291	13,621	15,948	17,639
<b>40% Exceedance</b>	17,982	16,691	14,745	8,058	3,111	2,583	4,113	6,139	10,222	12,261	14,893	17,195
<b>50% Exceedance</b>	17,081	13,796	13,763	6,323	1,655	1,754	3,103	4,466	8,739	11,350	14,294	16,405
<b>60% Exceedance</b>	10,609	13,031	12,210	3,997	596	1,015	1,851	3,343	8,036	10,133	12,621	10,695
<b>70% Exceedance</b>	10,155	12,319	6,047	978	319	453	1,162	2,584	6,344	9,460	12,247	10,430
<b>80% Exceedance</b>	9,387	11,821	3,544	390	216	235	456	1,182	4,151	8,596	11,861	10,240
<b>90% Exceedance</b>	8,919	7,384	1,110	217	203	200	216	385	1,169	6,567	11,090	9,214
<b>Full Simulation Period Average<sup>a</sup></b>	14,015	13,955	11,070	6,874	3,551	3,123	3,867	5,601	8,389	11,090	13,808	13,958
<b>Wet Water Years (32%)</b>	9,108	10,352	9,181	1,467	432	607	980	1,850	4,039	7,355	10,965	9,372
<b>Above Normal Years (15%)</b>	10,413	12,315	10,232	4,416	1,304	682	1,553	2,992	6,765	9,401	12,060	10,382
<b>Below Normal Years (17%)</b>	16,728	14,410	9,966	7,855	2,728	2,978	3,567	5,326	8,902	11,577	14,504	16,782
<b>Dry Water Years (22%)</b>	18,372	16,915	11,751	10,988	6,122	4,694	5,888	8,456	11,341	13,840	16,062	17,736
<b>Critical Water Years (15%)</b>	18,547	18,433	16,266	13,736	9,660	8,826	9,753	12,372	14,412	16,179	17,526	18,506

**Table 6B1-10-2b. Sacramento River at Port Chicago, Alternative 1B 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	18,348	18,185	17,765	15,039	10,046	9,592	10,028	11,281	12,734	14,717	17,151	17,967
<b>20% Exceedance</b>	18,027	17,807	16,778	13,735	7,029	6,642	6,807	10,200	12,271	14,041	15,999	17,567
<b>30% Exceedance</b>	17,913	17,555	15,343	12,284	4,859	3,586	4,984	8,902	11,265	13,580	15,765	17,405
<b>40% Exceedance</b>	17,810	16,995	14,766	8,184	3,232	2,773	4,147	6,191	10,104	12,263	14,907	17,026
<b>50% Exceedance</b>	17,061	13,743	13,488	6,652	1,714	1,841	3,081	4,476	8,738	11,349	14,201	16,261
<b>60% Exceedance</b>	10,433	13,088	12,104	4,374	647	1,054	1,879	3,343	8,035	10,115	12,508	10,515
<b>70% Exceedance</b>	10,044	12,359	6,684	1,101	325	488	1,164	2,461	6,375	9,460	12,140	10,261
<b>80% Exceedance</b>	9,150	11,836	4,039	416	224	244	475	1,181	4,151	8,597	11,742	10,042
<b>90% Exceedance</b>	8,805	7,996	1,200	218	203	200	223	386	1,170	6,570	10,981	9,023
<b>Full Simulation Period Average<sup>a</sup></b>	13,861	13,975	11,123	6,932	3,606	3,184	3,899	5,583	8,376	11,060	13,680	13,759
<b>Wet Water Years (32%)</b>	9,058	10,487	9,310	1,539	436	616	995	1,817	4,011	7,359	10,877	9,221
<b>Above Normal Years (15%)</b>	10,195	12,215	10,324	4,564	1,393	732	1,563	2,949	6,753	9,395	11,956	10,163
<b>Below Normal Years (17%)</b>	16,611	14,648	10,136	7,961	2,798	3,048	3,594	5,333	8,919	11,575	14,442	16,659
<b>Dry Water Years (22%)</b>	18,036	16,710	11,622	10,928	6,223	4,816	5,945	8,460	11,339	13,762	15,845	17,453
<b>Critical Water Years (15%)</b>	18,459	18,404	16,257	13,793	9,703	8,910	9,811	12,355	14,380	16,089	17,339	18,261

**Table 6B1-10-2c. Sacramento River at Port Chicago, Alternative 1B 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-378	-105	-196	-23	-62	-1	119	47	75	-33	-129	-339
<b>20% Exceedance</b>	-306	-241	-17	-3	302	0	39	-15	4	-20	-127	-231
<b>30% Exceedance</b>	-215	-176	19	-138	211	291	55	-113	-26	-41	-184	-234
<b>40% Exceedance</b>	-172	304	21	126	120	190	34	52	-117	2	14	-169
<b>50% Exceedance</b>	-20	-53	-275	328	59	87	-22	9	-2	-1	-93	-143
<b>60% Exceedance</b>	-176	57	-106	377	51	40	27	0	-1	-18	-113	-180
<b>70% Exceedance</b>	-111	40	637	123	6	35	2	-123	31	0	-107	-169
<b>80% Exceedance</b>	-237	15	495	25	9	10	18	0	0	1	-118	-198
<b>90% Exceedance</b>	-114	612	90	1	0	0	6	2	1	2	-109	-191
<b>Full Simulation Period Average<sup>a</sup></b>	-154	20	54	58	55	61	32	-17	-13	-30	-128	-199
<b>Wet Water Years (32%)</b>	-50	135	129	73	4	9	15	-32	-28	4	-87	-151
<b>Above Normal Years (15%)</b>	-218	-100	92	148	89	50	10	-44	-12	-6	-103	-219
<b>Below Normal Years (17%)</b>	-117	238	170	106	70	69	26	6	17	-2	-62	-123
<b>Dry Water Years (22%)</b>	-336	-205	-129	-60	101	122	56	4	-2	-78	-217	-283
<b>Critical Water Years (15%)</b>	-88	-29	-9	57	43	84	58	-17	-32	-90	-187	-245

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-10-3a. Sacramento River at Port Chicago, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	18,726	18,290	17,960	15,062	10,109	9,592	9,908	11,234	12,659	14,750	17,280	18,306
<b>20% Exceedance</b>	18,333	18,049	16,795	13,738	6,727	6,642	6,767	10,214	12,268	14,061	16,126	17,798
<b>30% Exceedance</b>	18,127	17,731	15,324	12,422	4,648	3,295	4,929	9,015	11,291	13,621	15,948	17,639
<b>40% Exceedance</b>	17,982	16,691	14,745	8,058	3,111	2,583	4,113	6,139	10,222	12,261	14,893	17,195
<b>50% Exceedance</b>	17,081	13,796	13,763	6,323	1,655	1,754	3,103	4,466	8,739	11,350	14,294	16,405
<b>60% Exceedance</b>	10,609	13,031	12,210	3,997	596	1,015	1,851	3,343	8,036	10,133	12,621	10,695
<b>70% Exceedance</b>	10,155	12,319	6,047	978	319	453	1,162	2,584	6,344	9,460	12,247	10,430
<b>80% Exceedance</b>	9,387	11,821	3,544	390	216	235	456	1,182	4,151	8,596	11,861	10,240
<b>90% Exceedance</b>	8,919	7,384	1,110	217	203	200	216	385	1,169	6,567	11,090	9,214
<b>Full Simulation Period Average<sup>a</sup></b>	14,015	13,955	11,070	6,874	3,551	3,123	3,867	5,601	8,389	11,090	13,808	13,958
<b>Wet Water Years (32%)</b>	9,108	10,352	9,181	1,467	432	607	980	1,850	4,039	7,355	10,965	9,372
<b>Above Normal Years (15%)</b>	10,413	12,315	10,232	4,416	1,304	682	1,553	2,992	6,765	9,401	12,060	10,382
<b>Below Normal Years (17%)</b>	16,728	14,410	9,966	7,855	2,728	2,978	3,567	5,326	8,902	11,577	14,504	16,782
<b>Dry Water Years (22%)</b>	18,372	16,915	11,751	10,988	6,122	4,694	5,888	8,456	11,341	13,840	16,062	17,736
<b>Critical Water Years (15%)</b>	18,547	18,433	16,266	13,736	9,660	8,826	9,753	12,372	14,412	16,179	17,526	18,506

**Table 6B1-10-3b. Sacramento River at Port Chicago, Alternative 2 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	18,287	18,116	17,700	15,043	10,034	9,592	9,970	11,293	12,677	14,717	17,157	17,965
<b>20% Exceedance</b>	18,026	17,783	16,778	13,737	7,018	6,641	6,770	10,169	12,272	14,032	15,929	17,569
<b>30% Exceedance</b>	17,933	17,524	15,326	12,279	4,858	3,546	4,984	9,022	11,238	13,566	15,749	17,403
<b>40% Exceedance</b>	17,818	16,992	14,818	8,190	3,231	2,773	4,139	6,139	10,246	12,262	14,896	17,013
<b>50% Exceedance</b>	17,026	13,725	13,480	6,637	1,717	1,843	3,090	4,476	8,734	11,350	14,235	16,249
<b>60% Exceedance</b>	10,481	13,058	12,196	4,211	645	1,027	1,879	3,354	8,036	10,127	12,503	10,488
<b>70% Exceedance</b>	10,052	12,319	6,704	1,099	337	493	1,164	2,614	6,375	9,420	12,125	10,223
<b>80% Exceedance</b>	9,255	11,850	4,121	415	224	241	476	1,182	4,151	8,597	11,744	10,014
<b>90% Exceedance</b>	8,802	7,823	1,174	218	203	200	223	386	1,170	6,570	10,980	9,029
<b>Full Simulation Period Average<sup>a</sup></b>	13,869	13,957	11,133	6,922	3,605	3,182	3,893	5,592	8,376	11,057	13,673	13,755
<b>Wet Water Years (32%)</b>	9,050	10,440	9,279	1,533	441	614	987	1,862	4,041	7,358	10,875	9,194
<b>Above Normal Years (15%)</b>	10,248	12,246	10,365	4,566	1,394	727	1,562	2,969	6,745	9,388	11,947	10,198
<b>Below Normal Years (17%)</b>	16,616	14,668	10,183	7,765	2,763	3,043	3,600	5,330	8,905	11,577	14,440	16,666
<b>Dry Water Years (22%)</b>	18,059	16,661	11,659	11,039	6,241	4,814	5,926	8,430	11,319	13,755	15,842	17,457
<b>Critical Water Years (15%)</b>	18,441	18,401	16,240	13,793	9,698	8,918	9,811	12,345	14,366	16,086	17,312	18,241

**Table 6B1-10-3c. Sacramento River at Port Chicago, Alternative 2 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-439	-175	-260	-19	-74	0	61	59	18	-33	-124	-341
<b>20% Exceedance</b>	-307	-266	-17	-1	291	-1	3	-46	5	-29	-197	-229
<b>30% Exceedance</b>	-194	-207	2	-143	211	251	55	6	-53	-55	-199	-235
<b>40% Exceedance</b>	-164	300	73	132	120	191	26	0	25	1	4	-182
<b>50% Exceedance</b>	-55	-71	-282	313	62	89	-12	10	-6	0	-59	-156
<b>60% Exceedance</b>	-128	27	-14	215	49	12	27	11	-1	-6	-118	-207
<b>70% Exceedance</b>	-103	0	657	122	18	41	2	30	31	-41	-121	-207
<b>80% Exceedance</b>	-132	30	577	25	8	7	19	0	-1	2	-117	-226
<b>90% Exceedance</b>	-116	439	63	1	0	0	6	2	1	3	-110	-185
<b>Full Simulation Period Average<sup>a</sup></b>	-146	1	63	47	54	59	26	-8	-14	-33	-136	-203
<b>Wet Water Years (32%)</b>	-58	88	98	66	9	6	7	13	2	3	-90	-178
<b>Above Normal Years (15%)</b>	-165	-69	133	150	89	45	8	-23	-21	-13	-113	-184
<b>Below Normal Years (17%)</b>	-111	258	217	-90	35	65	32	4	3	0	-65	-116
<b>Dry Water Years (22%)</b>	-313	-254	-92	51	120	120	38	-26	-22	-85	-220	-279
<b>Critical Water Years (15%)</b>	-106	-32	-26	58	38	92	58	-27	-46	-93	-214	-265

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-10-4a. Sacramento River at Port Chicago, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	18,726	18,290	17,960	15,062	10,109	9,592	9,908	11,234	12,659	14,750	17,280	18,306
<b>20% Exceedance</b>	18,333	18,049	16,795	13,738	6,727	6,642	6,767	10,214	12,268	14,061	16,126	17,798
<b>30% Exceedance</b>	18,127	17,731	15,324	12,422	4,648	3,295	4,929	9,015	11,291	13,621	15,948	17,639
<b>40% Exceedance</b>	17,982	16,691	14,745	8,058	3,111	2,583	4,113	6,139	10,222	12,261	14,893	17,195
<b>50% Exceedance</b>	17,081	13,796	13,763	6,323	1,655	1,754	3,103	4,466	8,739	11,350	14,294	16,405
<b>60% Exceedance</b>	10,609	13,031	12,210	3,997	596	1,015	1,851	3,343	8,036	10,133	12,621	10,695
<b>70% Exceedance</b>	10,155	12,319	6,047	978	319	453	1,162	2,584	6,344	9,460	12,247	10,430
<b>80% Exceedance</b>	9,387	11,821	3,544	390	216	235	456	1,182	4,151	8,596	11,861	10,240
<b>90% Exceedance</b>	8,919	7,384	1,110	217	203	200	216	385	1,169	6,567	11,090	9,214
<b>Full Simulation Period Average<sup>a</sup></b>	14,015	13,955	11,070	6,874	3,551	3,123	3,867	5,601	8,389	11,090	13,808	13,958
<b>Wet Water Years (32%)</b>	9,108	10,352	9,181	1,467	432	607	980	1,850	4,039	7,355	10,965	9,372
<b>Above Normal Years (15%)</b>	10,413	12,315	10,232	4,416	1,304	682	1,553	2,992	6,765	9,401	12,060	10,382
<b>Below Normal Years (17%)</b>	16,728	14,410	9,966	7,855	2,728	2,978	3,567	5,326	8,902	11,577	14,504	16,782
<b>Dry Water Years (22%)</b>	18,372	16,915	11,751	10,988	6,122	4,694	5,888	8,456	11,341	13,840	16,062	17,736
<b>Critical Water Years (15%)</b>	18,547	18,433	16,266	13,736	9,660	8,826	9,753	12,372	14,412	16,179	17,526	18,506

**Table 6B1-10-4b. Sacramento River at Port Chicago, Alternative 3 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	18,418	18,184	17,735	15,041	10,046	9,606	10,035	11,272	12,735	14,721	17,139	18,189
<b>20% Exceedance</b>	18,125	17,977	16,783	13,737	7,032	6,676	6,807	10,178	12,260	14,028	16,051	17,592
<b>30% Exceedance</b>	17,957	17,563	15,321	12,258	4,917	3,553	4,980	8,943	11,265	13,597	15,774	17,482
<b>40% Exceedance</b>	17,739	16,518	14,818	8,220	3,232	2,931	4,221	6,201	10,239	12,242	14,846	17,133
<b>50% Exceedance</b>	15,519	13,601	13,680	6,668	1,725	1,840	3,091	4,456	8,735	11,362	14,122	16,081
<b>60% Exceedance</b>	10,501	12,747	11,721	4,309	647	1,115	1,820	3,344	8,037	10,076	12,528	10,535
<b>70% Exceedance</b>	10,064	12,270	6,615	1,082	338	483	1,165	2,613	6,375	9,460	12,128	10,270
<b>80% Exceedance</b>	9,346	11,188	3,645	408	221	247	472	1,181	4,159	8,597	11,648	10,043
<b>90% Exceedance</b>	8,808	7,921	933	219	203	200	223	386	1,170	6,570	10,987	8,914
<b>Full Simulation Period Average<sup>a</sup></b>	13,801	13,785	11,051	6,923	3,608	3,189	3,905	5,583	8,383	11,058	13,680	13,782
<b>Wet Water Years (32%)</b>	9,104	10,488	9,305	1,496	438	617	1,007	1,835	4,019	7,361	10,872	9,225
<b>Above Normal Years (15%)</b>	10,156	12,014	10,182	4,578	1,399	739	1,589	2,921	6,754	9,386	11,917	10,152
<b>Below Normal Years (17%)</b>	16,074	13,570	9,908	7,822	2,811	3,111	3,625	5,317	8,928	11,564	14,426	16,662
<b>Dry Water Years (22%)</b>	18,100	16,811	11,590	11,057	6,240	4,796	5,922	8,463	11,350	13,764	15,868	17,489
<b>Critical Water Years (15%)</b>	18,522	18,410	16,229	13,774	9,664	8,892	9,802	12,357	14,384	16,093	17,373	18,362

**Table 6B1-10-4c. Sacramento River at Port Chicago, Alternative 3 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-308	-106	-225	-21	-62	14	127	38	76	-29	-142	-117
<b>20% Exceedance</b>	-209	-72	-12	-1	305	34	39	-36	-7	-34	-75	-206
<b>30% Exceedance</b>	-170	-168	-4	-164	269	258	51	-72	-27	-24	-174	-157
<b>40% Exceedance</b>	-243	-173	74	162	121	348	108	63	18	-19	-47	-62
<b>50% Exceedance</b>	-1,562	-194	-82	344	70	87	-12	-11	-4	12	-171	-323
<b>60% Exceedance</b>	-108	-284	-488	313	51	100	-31	1	1	-57	-93	-160
<b>70% Exceedance</b>	-91	-49	568	104	18	30	2	30	31	0	-119	-160
<b>80% Exceedance</b>	-40	-633	101	17	6	12	16	0	8	1	-213	-197
<b>90% Exceedance</b>	-110	537	-177	2	0	0	6	1	1	3	-103	-301
<b>Full Simulation Period Average<sup>a</sup></b>	-214	-171	-19	48	56	66	38	-18	-6	-32	-128	-176
<b>Wet Water Years (32%)</b>	-4	136	125	30	6	10	27	-15	-20	6	-92	-146
<b>Above Normal Years (15%)</b>	-257	-301	-50	162	94	58	35	-72	-12	-15	-143	-230
<b>Below Normal Years (17%)</b>	-654	-840	-58	-33	83	133	58	-9	26	-13	-78	-120
<b>Dry Water Years (22%)</b>	-272	-104	-161	69	118	102	34	7	8	-76	-194	-247
<b>Critical Water Years (15%)</b>	-25	-23	-37	39	4	66	48	-15	-28	-86	-153	-145

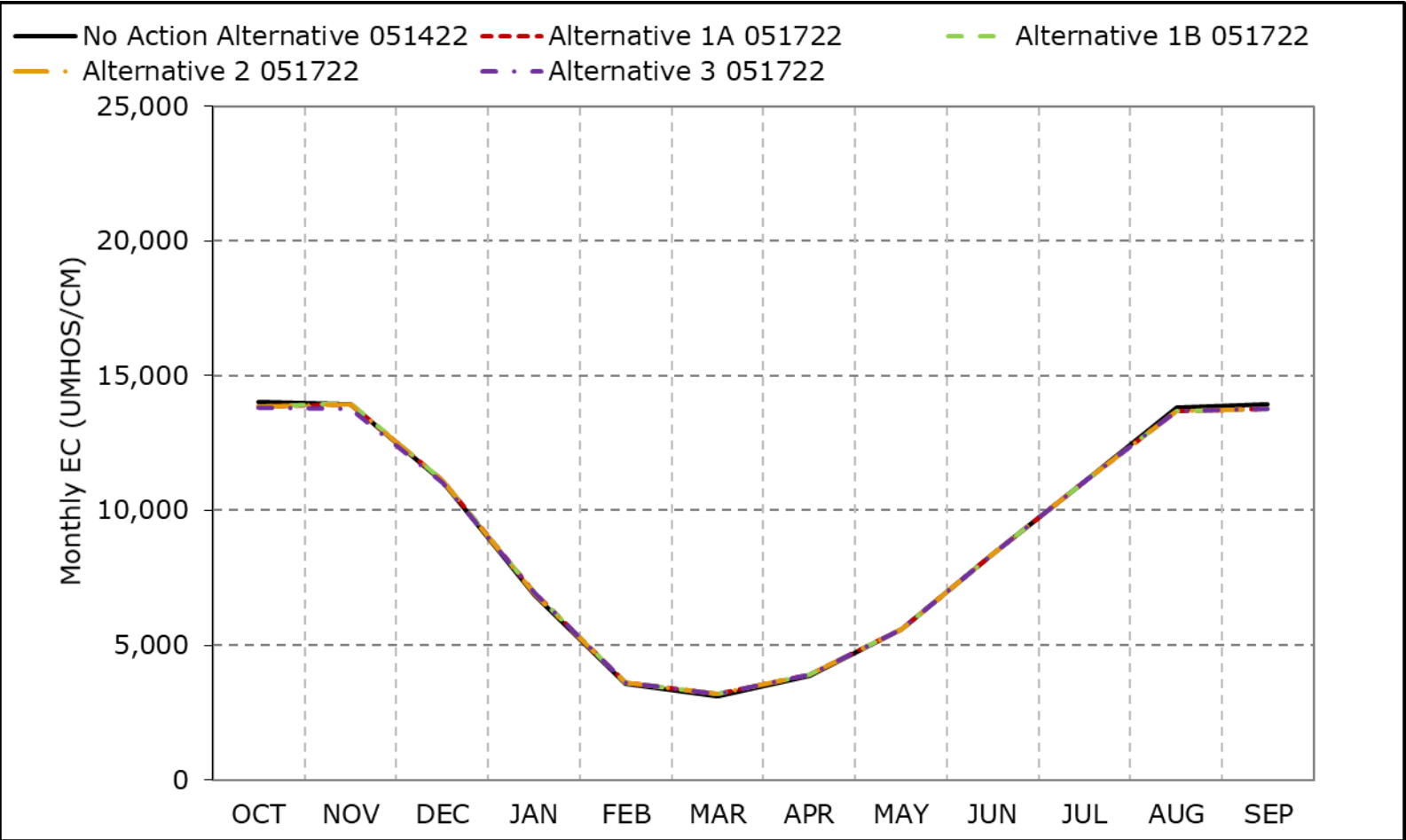
<sup>a</sup> Based on the 82-year simulation period.

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

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

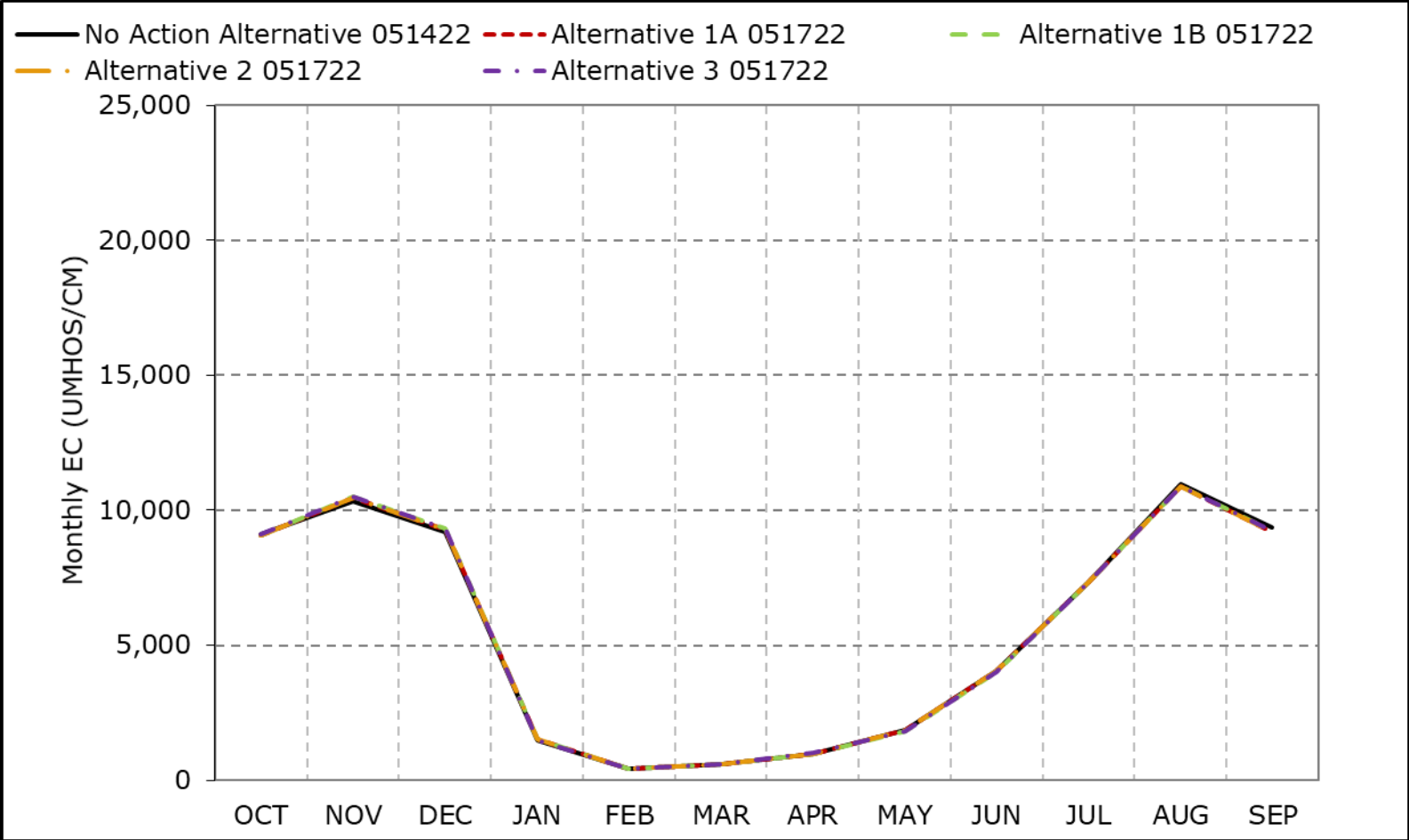
\* These results are displayed with calendar year - year type sorting.

**Figure 6B1-10-1. Sacramento River at Port Chicago, Long-Term Average EC**



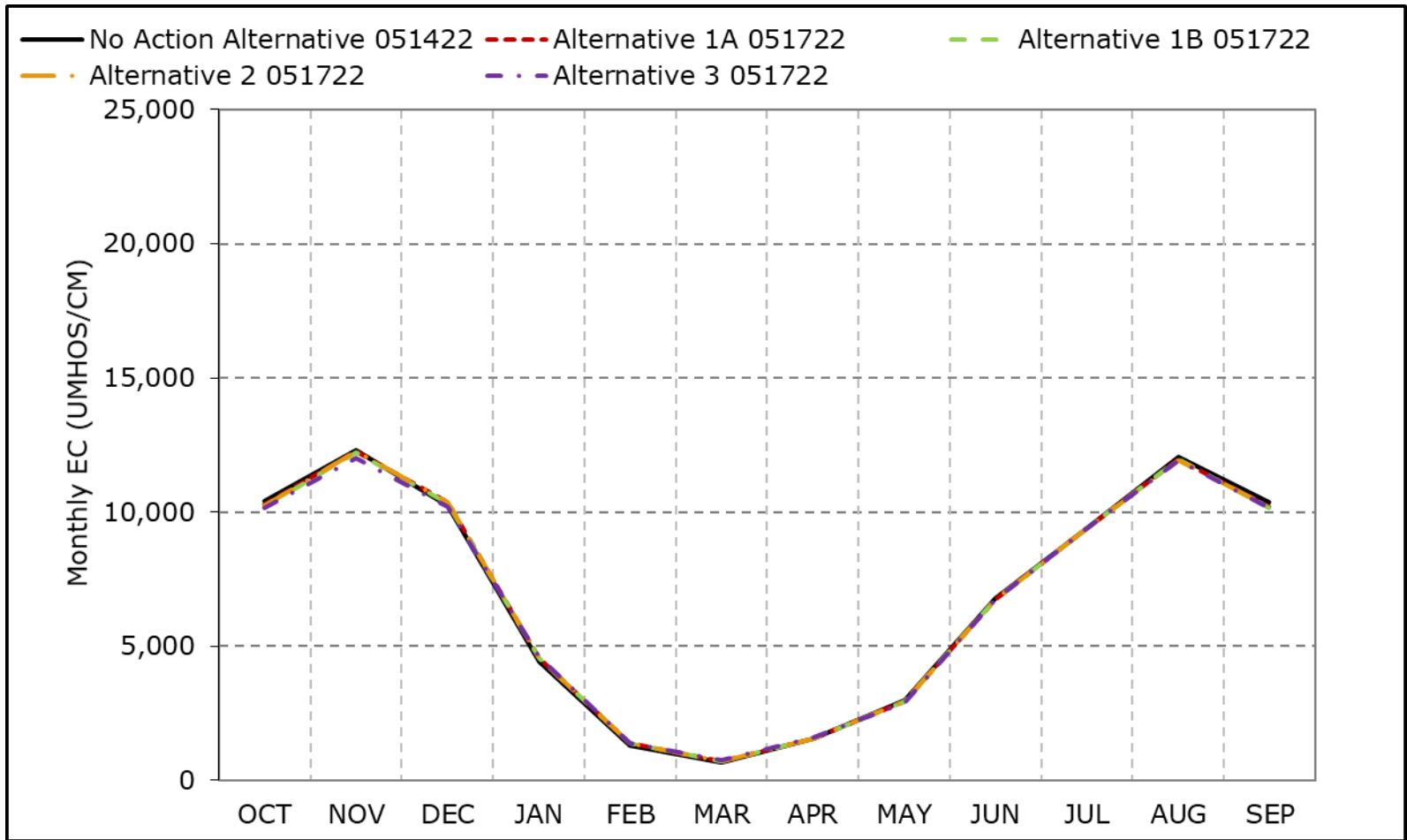
\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).  
 \*These results are displayed with calendar year - year type sorting.  
 \*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-10-2. Sacramento River at Port Chicago, 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 calendar year - year type sorting.  
 \*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-10-3. Sacramento River at Port Chicago, Above Normal Year Average EC**

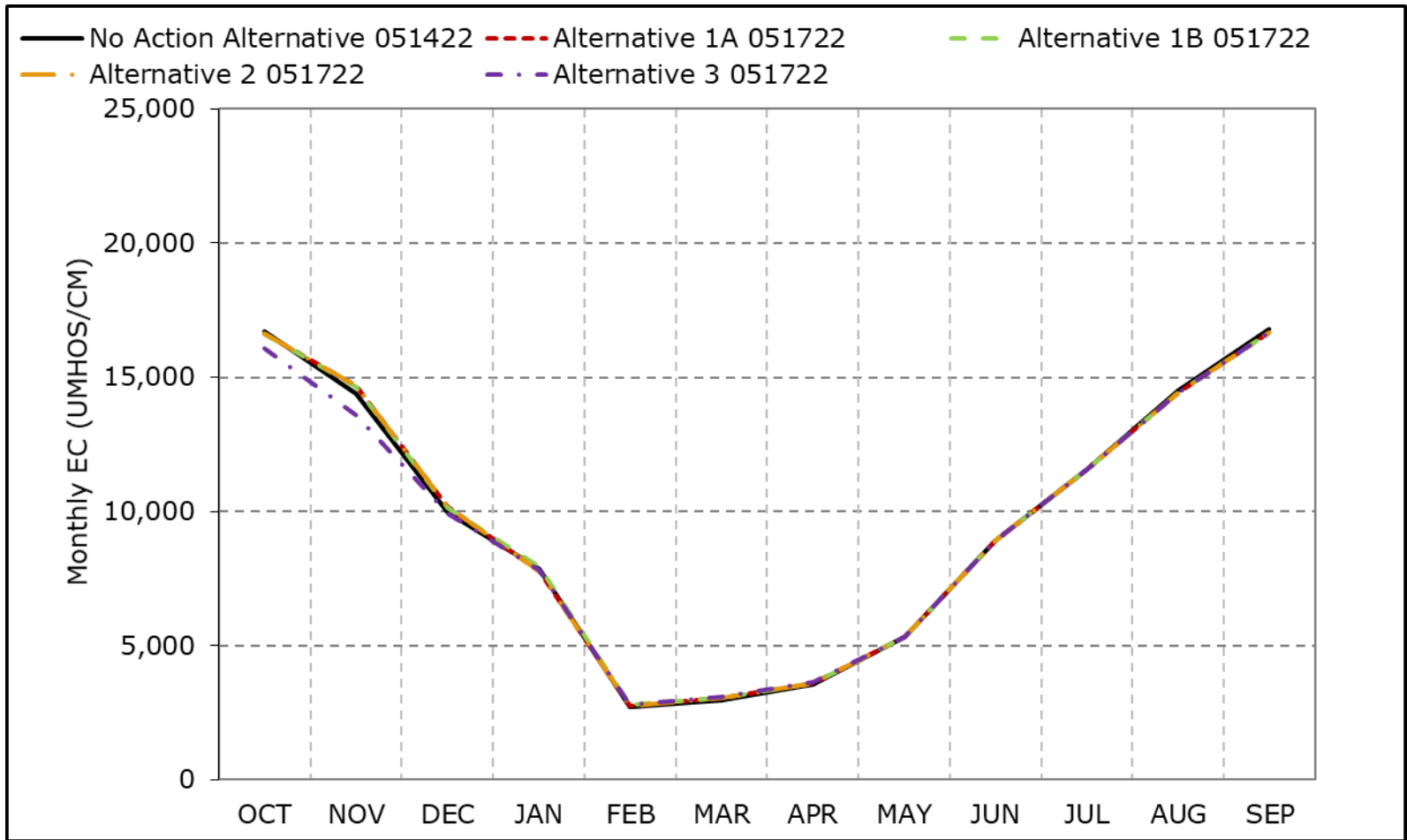


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

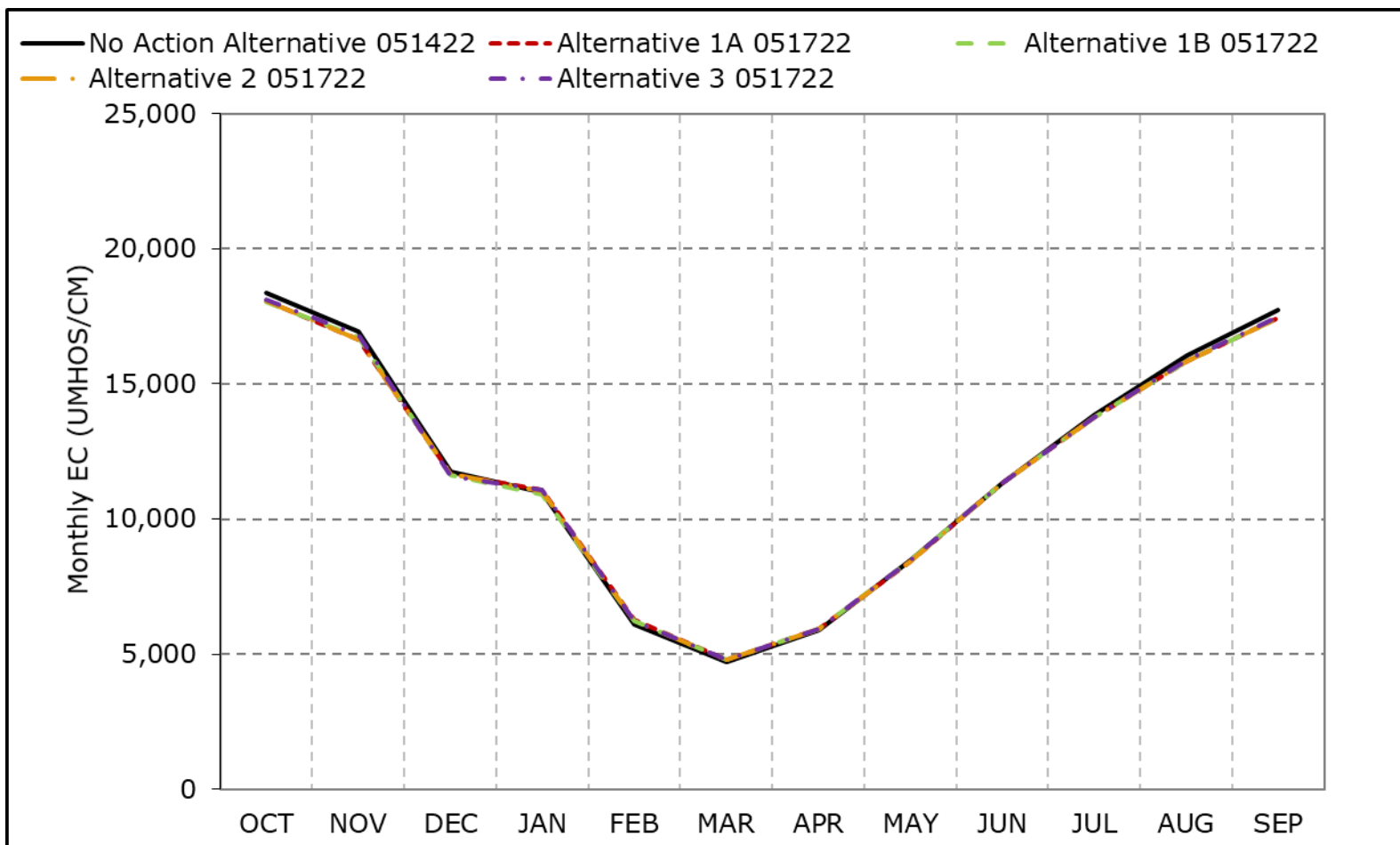
**Figure 6B1-10-4. Sacramento River at Port Chicago, Below Normal Year Average EC**



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



**Figure 6B1-10-5. Sacramento River at Port Chicago, Dry Year Average EC**

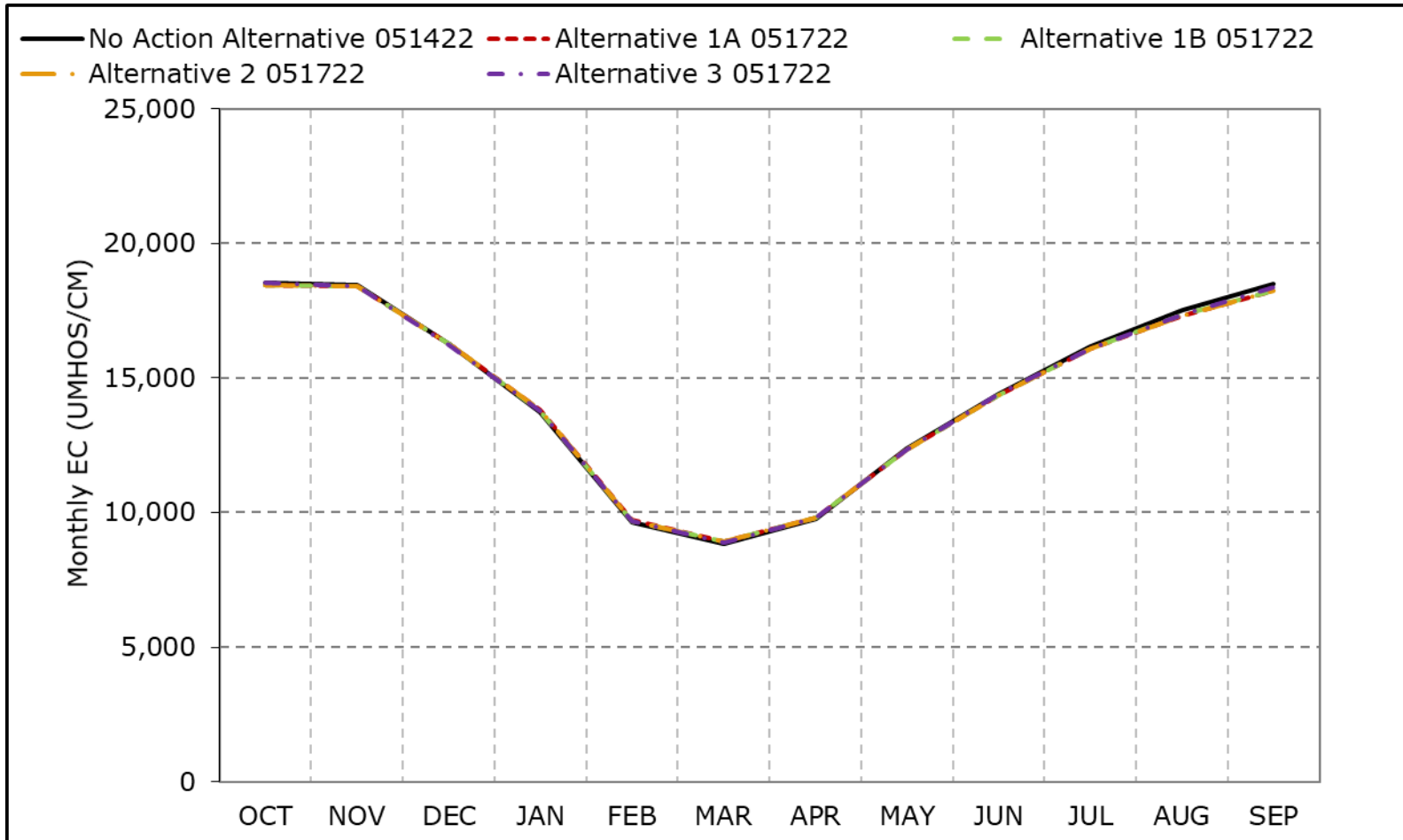


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-10-6. Sacramento River at Port Chicago, Critical Year Average EC**

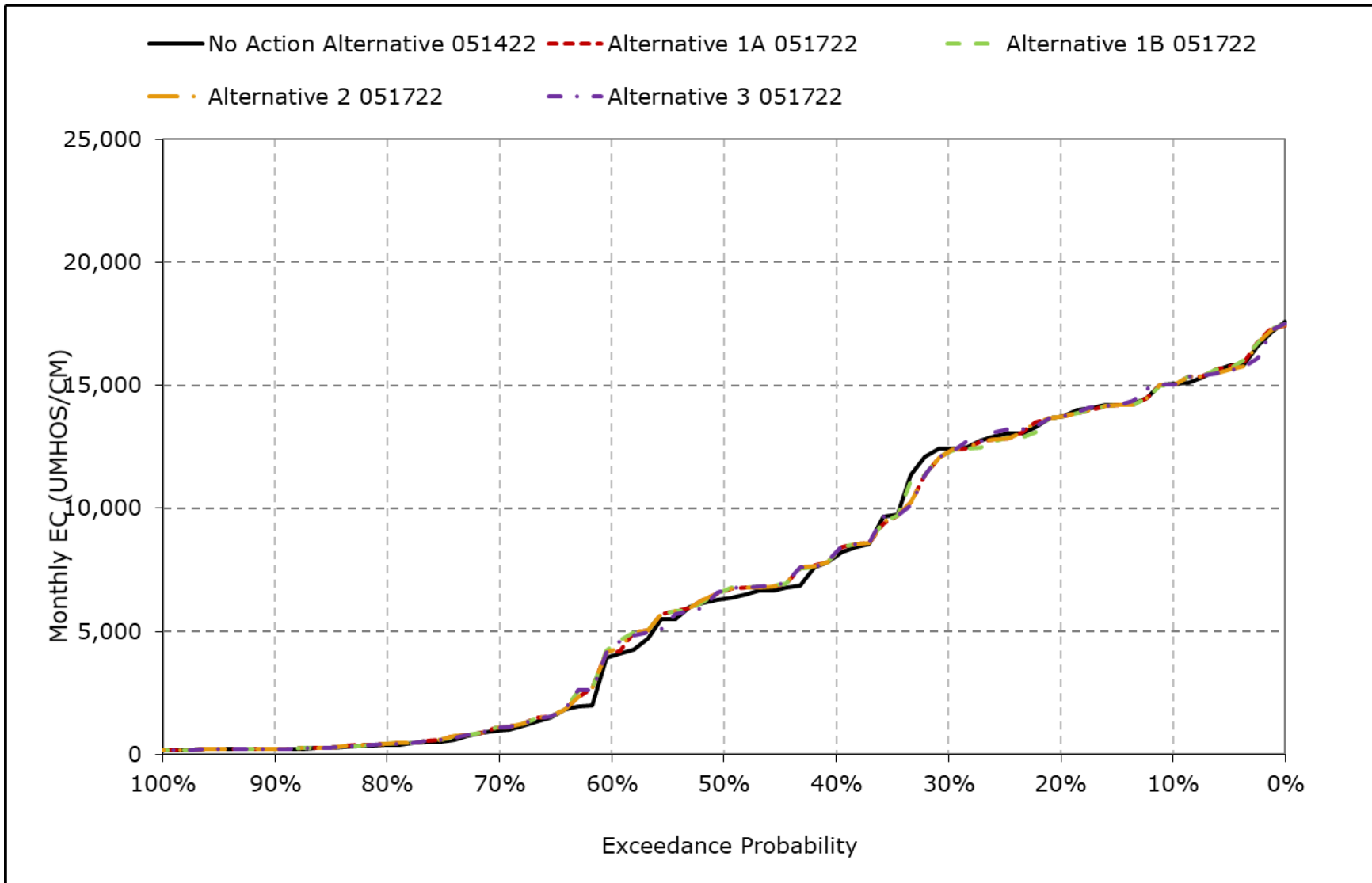


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

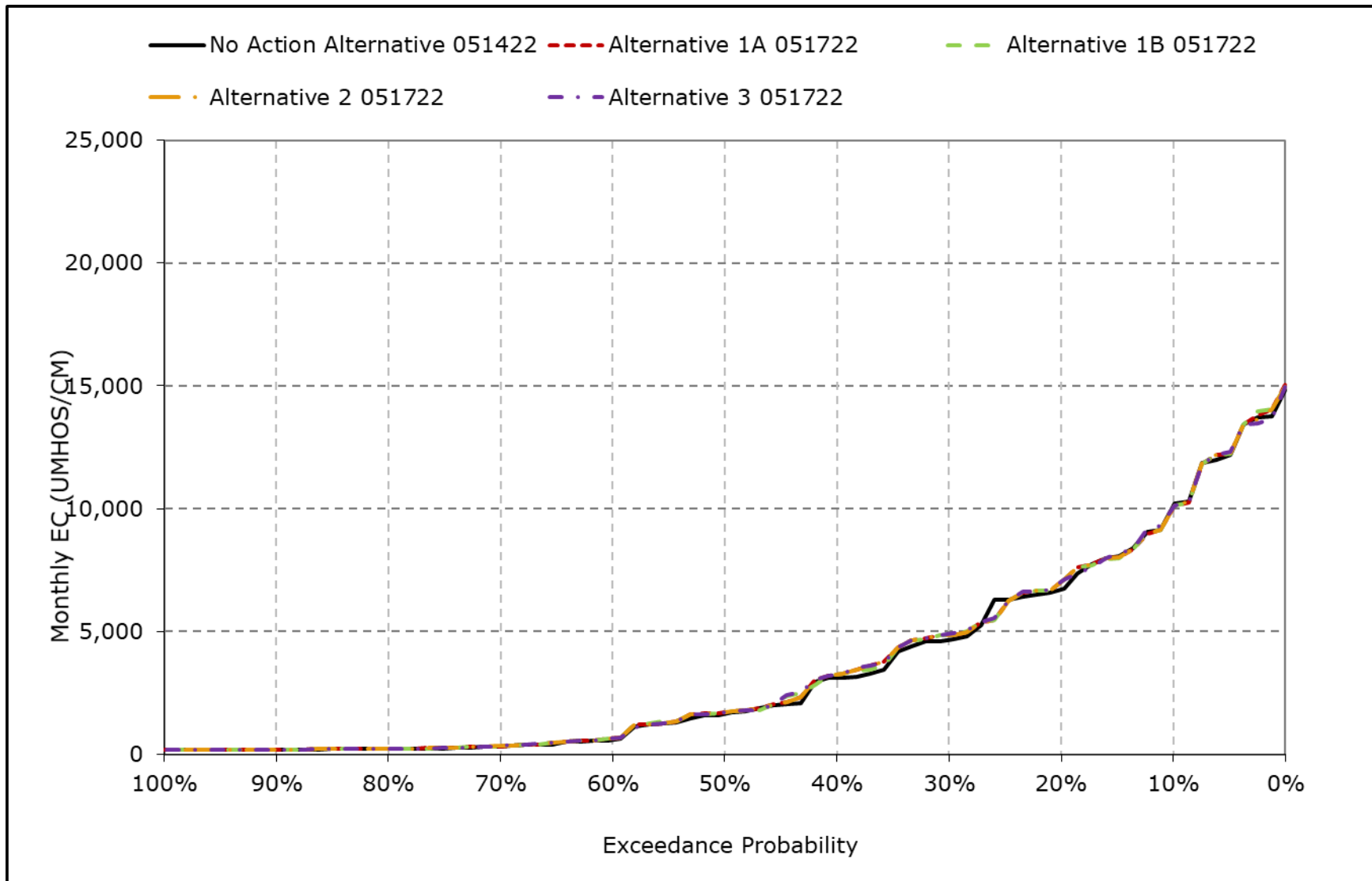
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-10-7. Sacramento River at Port Chicago Salinity, January EC**



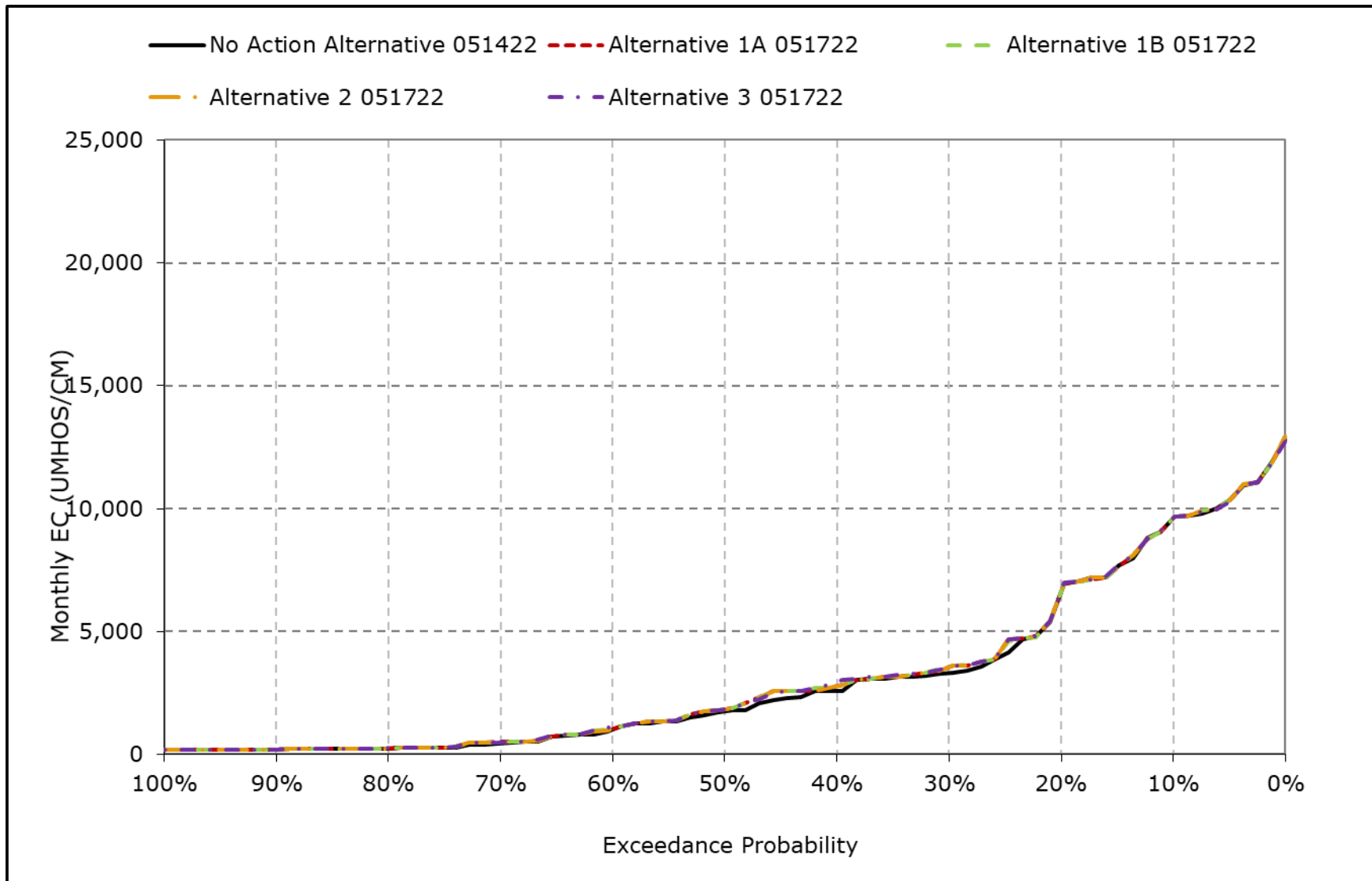
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-10-8. Sacramento River at Port Chicago Salinity, February EC**



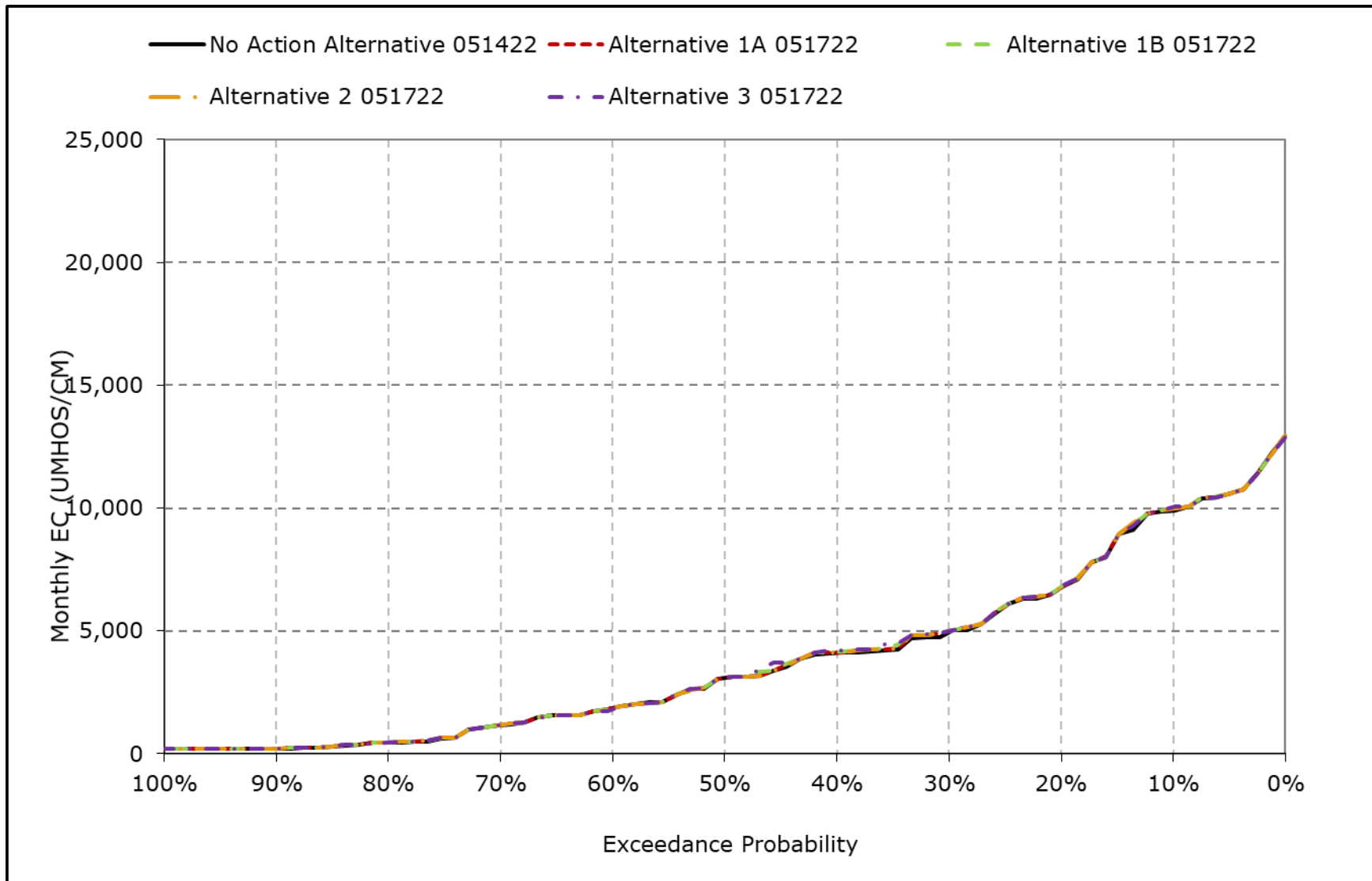
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-10-9. Sacramento River at Port Chicago Salinity, March EC**



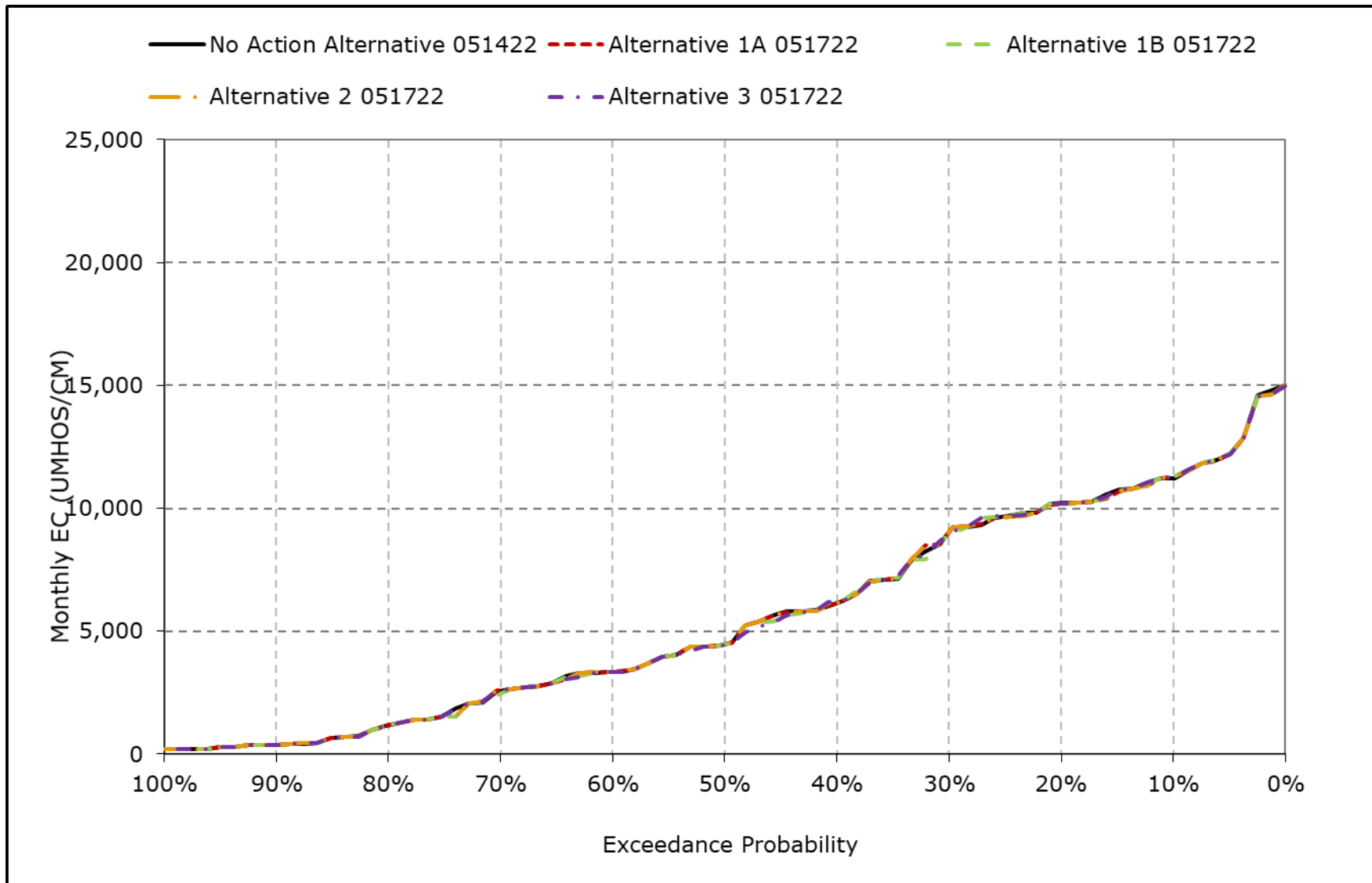
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-10-10. Sacramento River at Port Chicago Salinity, April EC**



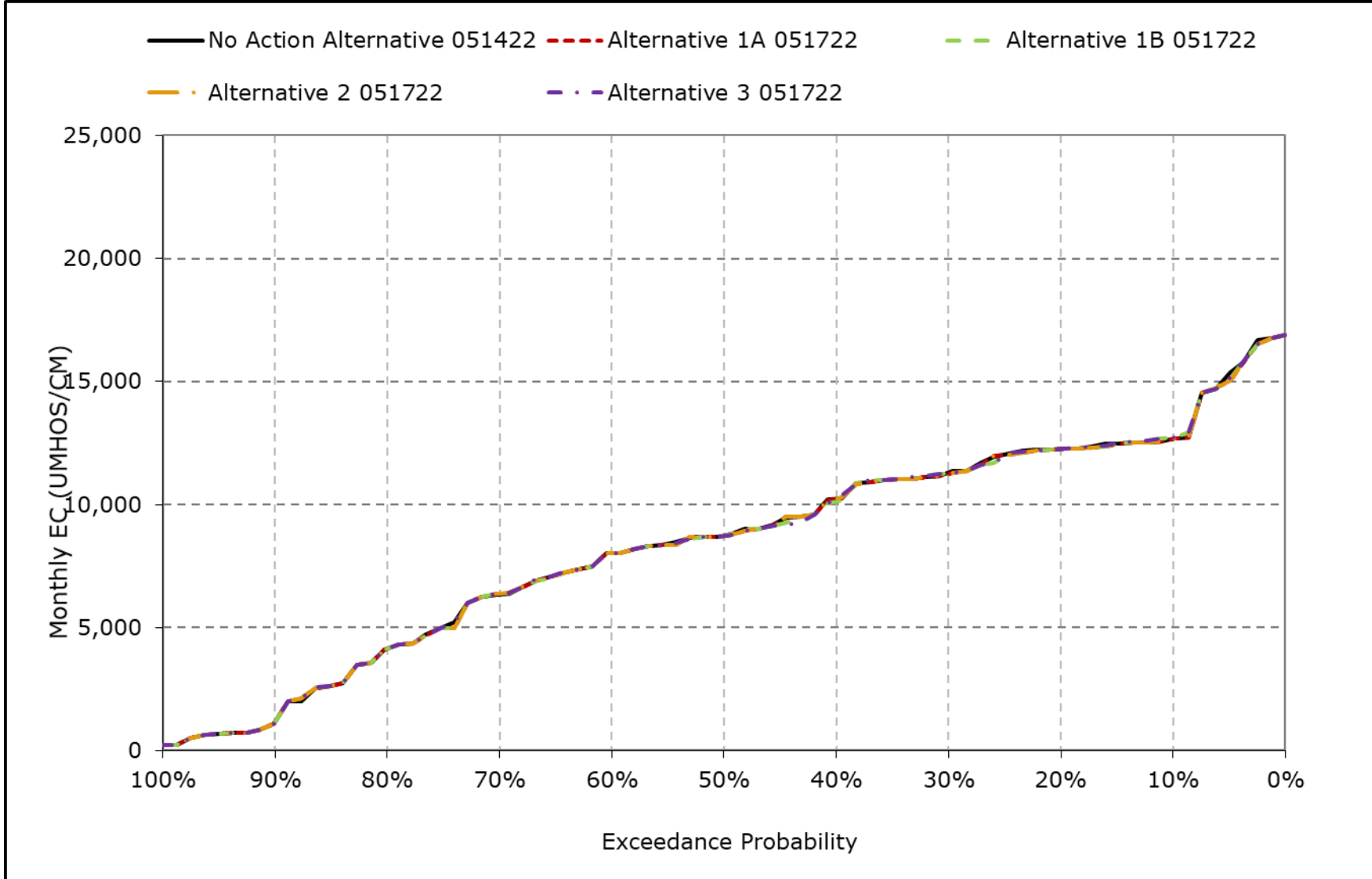
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-10-11. Sacramento River at Port Chicago Salinity, May EC**



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

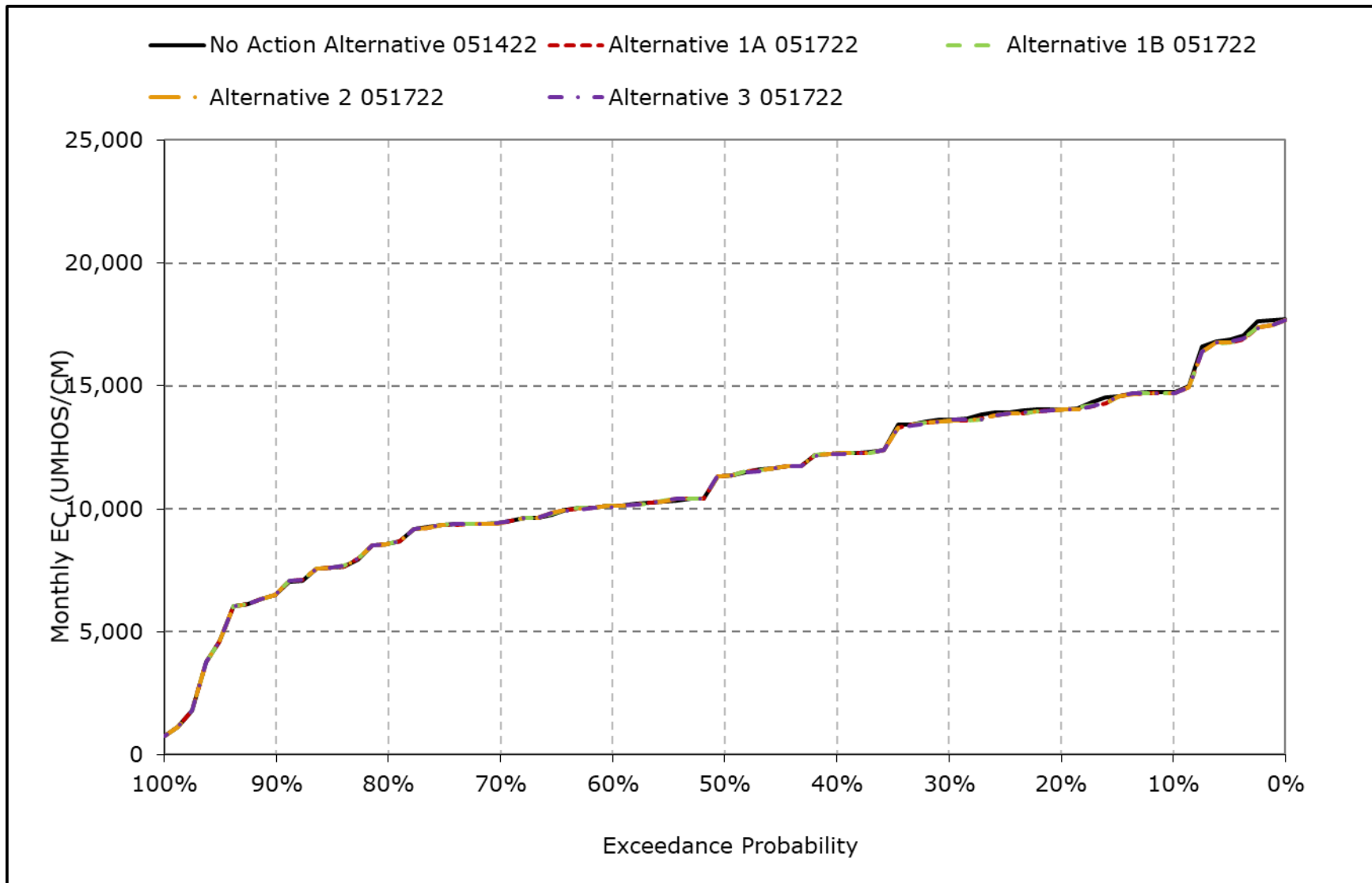
**Figure 6B1-10-12. Sacramento River at Port Chicago Salinity, June EC**



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

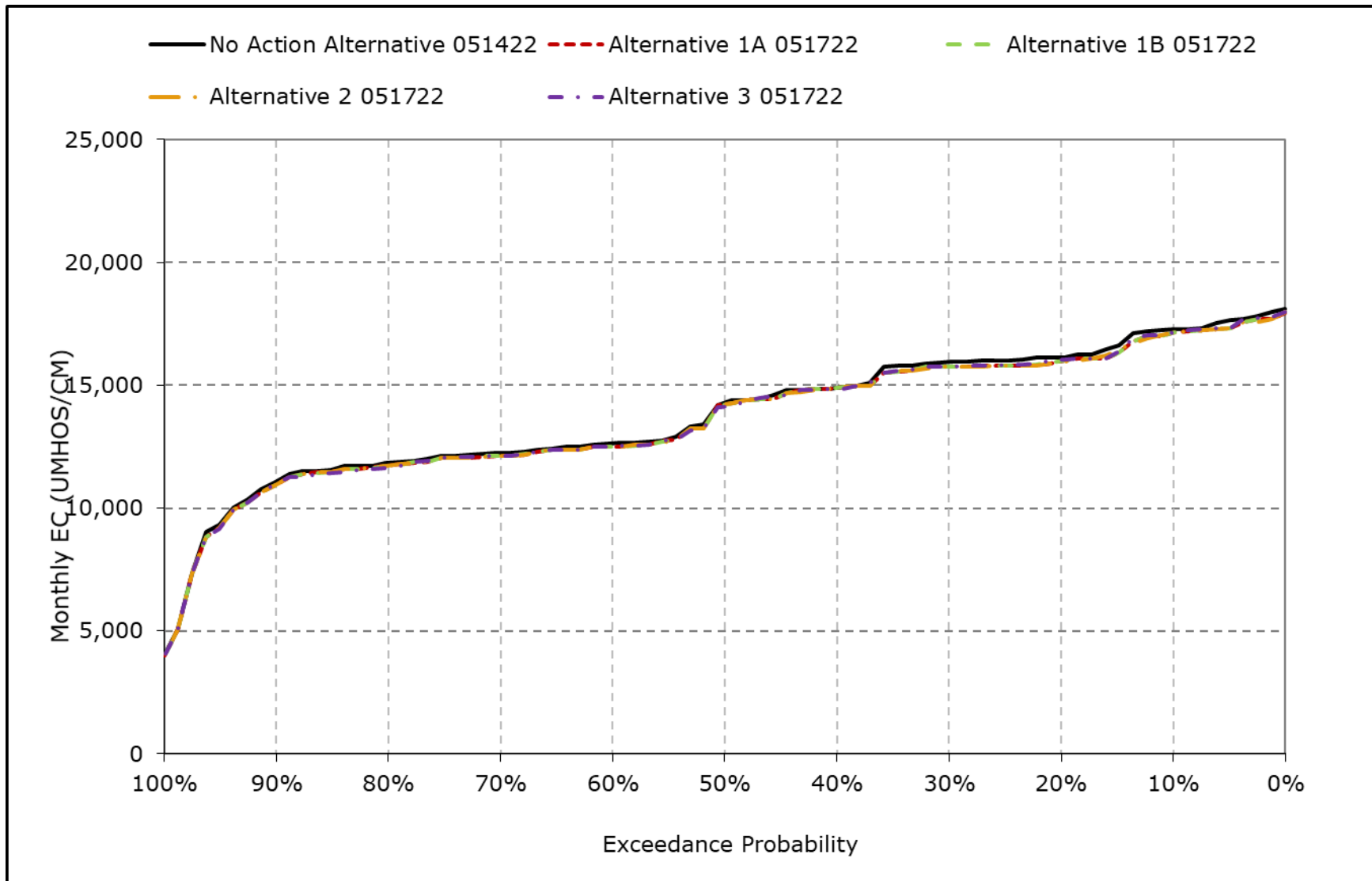


**Figure 6B1-10-13. Sacramento River at Port Chicago Salinity, July EC**



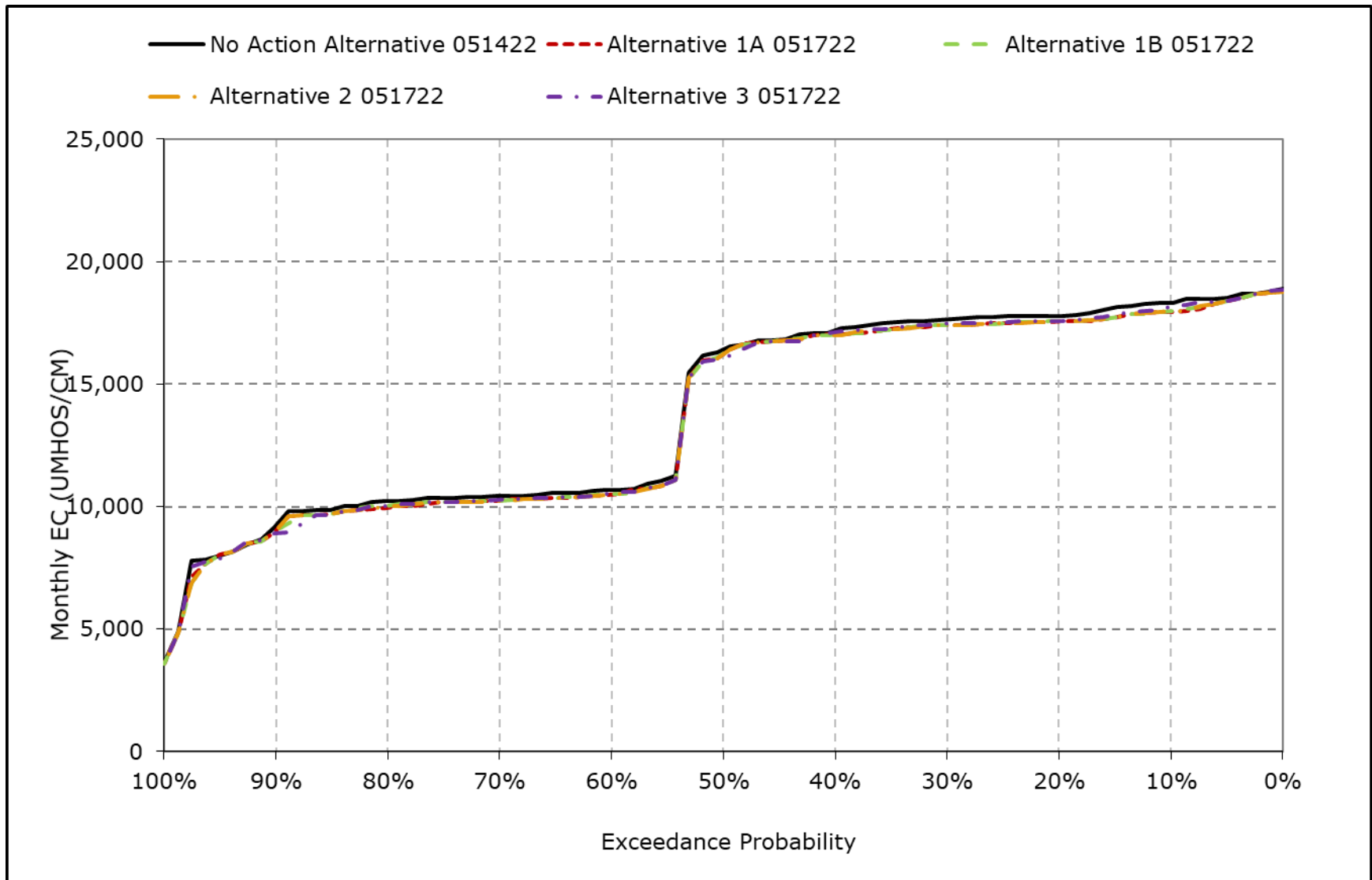
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-10-14. Sacramento River at Port Chicago Salinity, August EC**



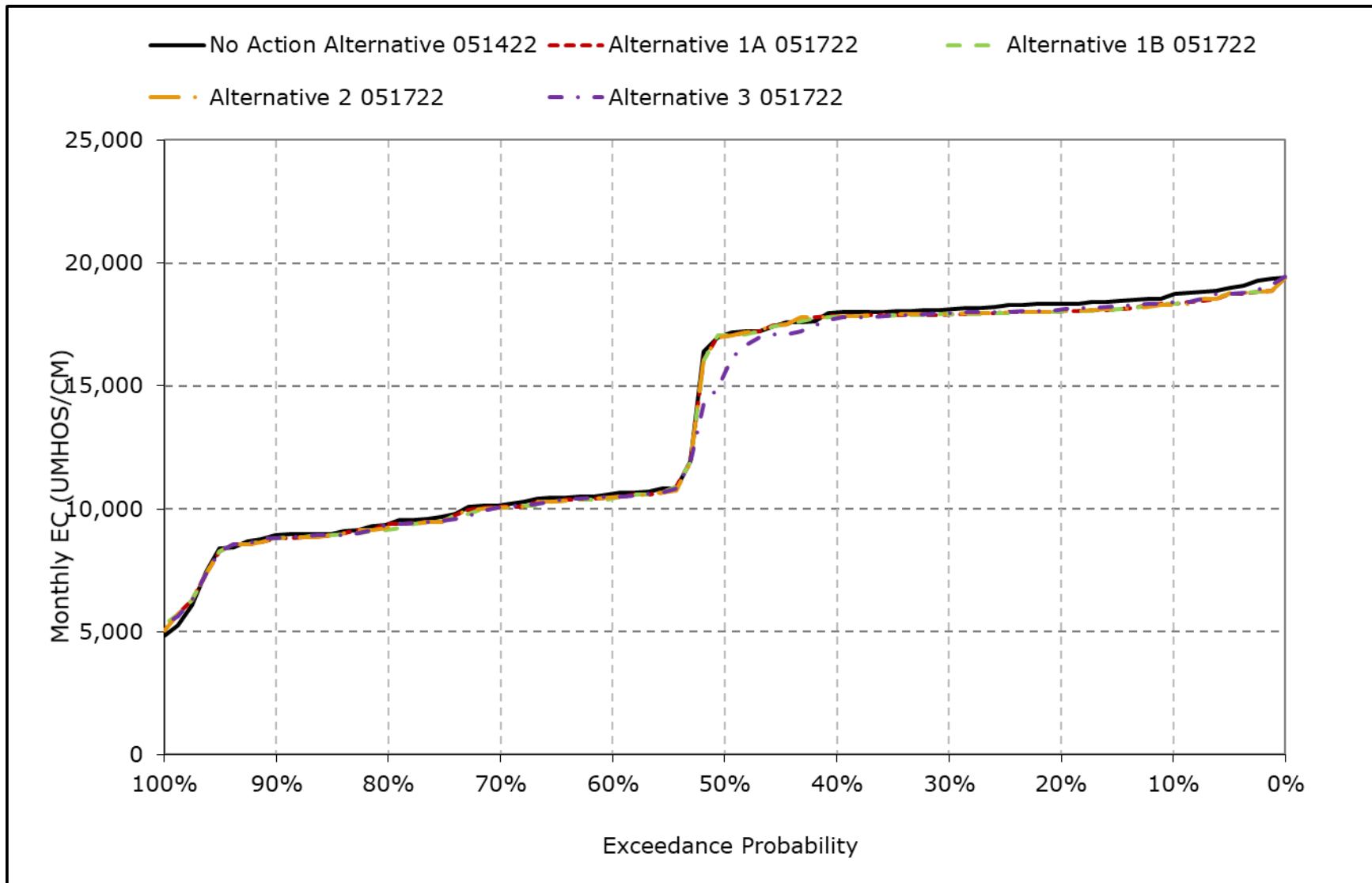
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-10-15. Sacramento River at Port Chicago Salinity, September EC**



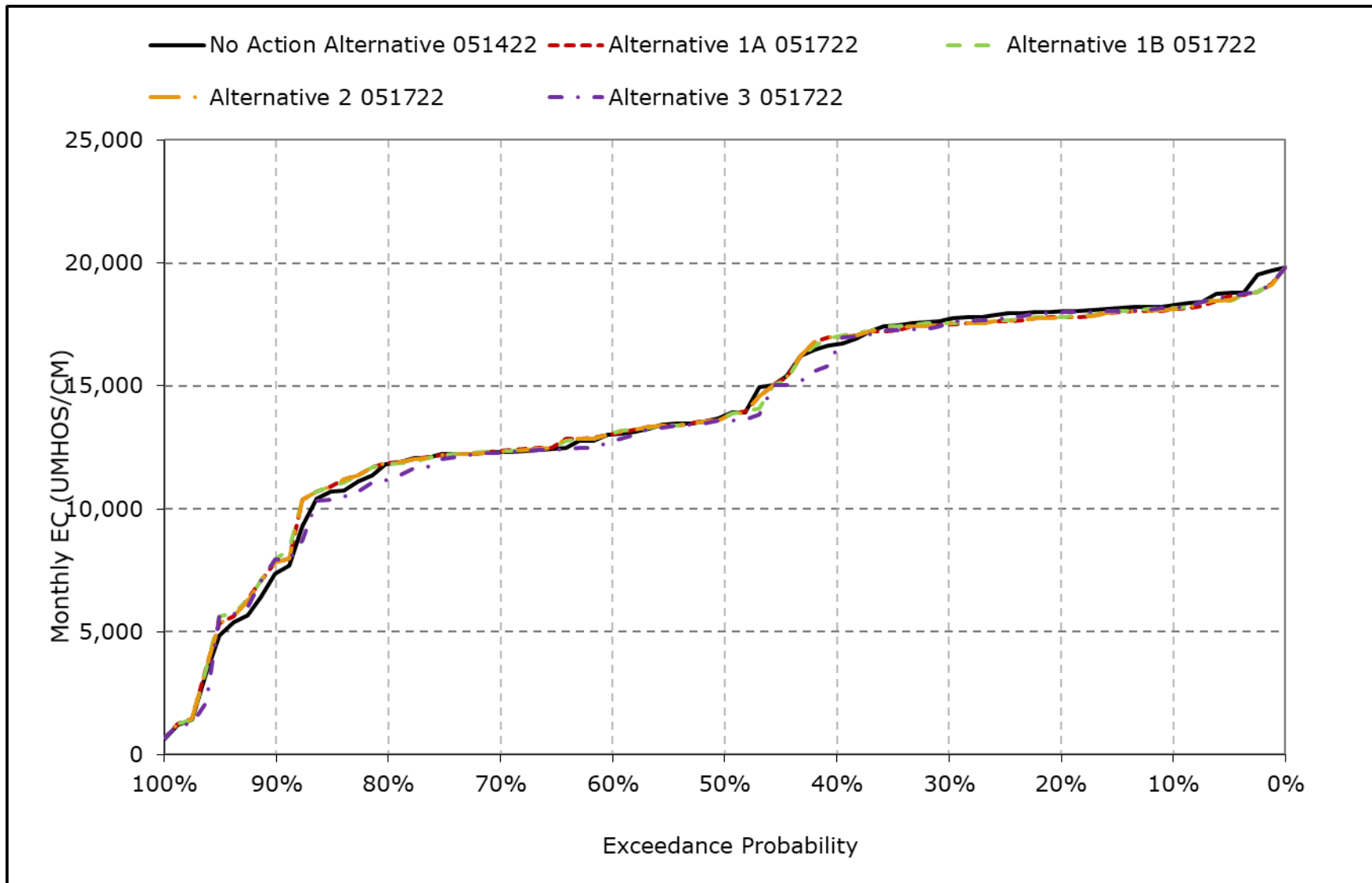
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-10-16. Sacramento River at Port Chicago Salinity, October EC**



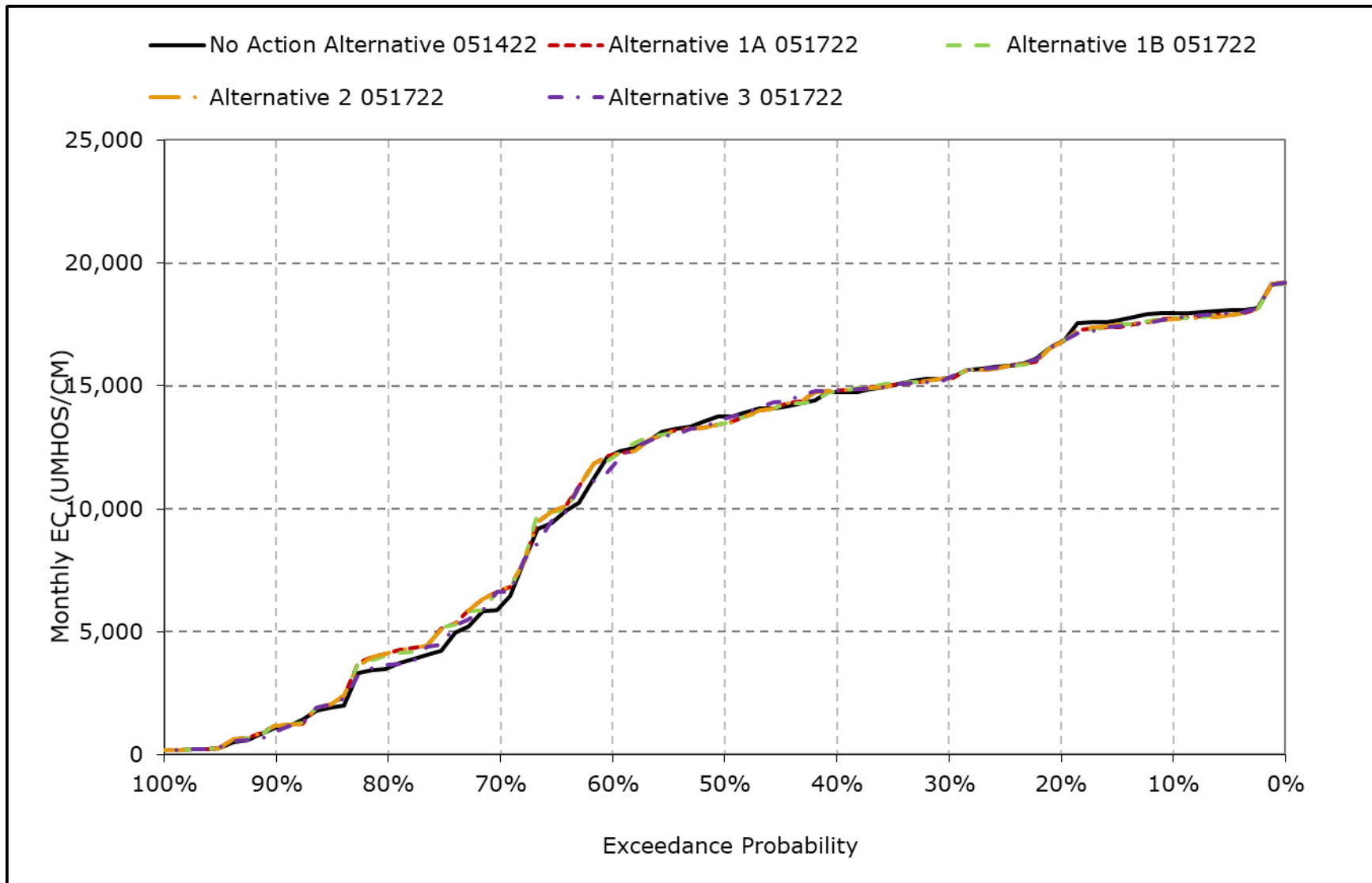
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-10-17. Sacramento River at Port Chicago Salinity, November EC**



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

**Figure 6B1-10-18. Sacramento River at Port Chicago Salinity, December EC**



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

**Table 6B1-11-1a. San Joaquin River at Antioch, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	7,118	6,746	6,302	3,661	1,254	1,156	1,209	1,866	2,309	3,729	5,468	6,911
<b>20% Exceedance</b>	6,787	6,446	5,124	3,054	841	526	517	1,375	2,084	3,296	4,962	6,569
<b>30% Exceedance</b>	6,588	6,057	4,396	2,332	545	285	318	929	1,794	3,032	4,733	6,374
<b>40% Exceedance</b>	6,290	5,309	3,691	1,239	386	258	270	427	1,269	2,239	4,144	6,189
<b>50% Exceedance</b>	5,323	3,301	3,014	875	283	242	240	302	1,027	1,824	3,709	5,458
<b>60% Exceedance</b>	1,449	2,832	2,340	450	261	228	222	241	658	1,307	2,603	1,765
<b>70% Exceedance</b>	1,335	2,460	1,050	283	237	220	215	216	512	1,169	2,404	1,692
<b>80% Exceedance</b>	1,157	2,195	643	236	224	213	209	199	261	965	2,258	1,602
<b>90% Exceedance</b>	970	1,149	310	217	212	201	204	193	198	643	1,813	1,098
<b>Full Simulation Period Average<sup>a</sup></b>	4,030	4,048	3,081	1,526	612	435	459	781	1,354	2,160	3,521	4,109
<b>Wet Water Years (32%)</b>	1,063	1,946	2,229	365	240	221	214	241	395	821	1,944	1,330
<b>Above Normal Years (15%)</b>	1,456	2,792	2,609	915	301	224	220	250	726	1,181	2,371	1,649
<b>Below Normal Years (17%)</b>	6,084	4,487	2,924	1,537	384	296	301	488	1,110	1,992	3,898	5,946
<b>Dry Water Years (22%)</b>	6,717	5,764	3,515	2,295	859	498	515	979	1,849	3,181	4,792	6,453
<b>Critical Water Years (15%)</b>	6,602	6,771	4,932	3,489	1,628	1,173	1,327	2,528	3,601	4,702	5,741	6,932

**Table 6B1-11-1b. San Joaquin River at Antioch, Alternative 1A 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	6,821	6,435	6,130	3,780	1,253	1,165	1,225	1,794	2,317	3,764	5,346	6,554
<b>20% Exceedance</b>	6,489	6,271	5,110	3,070	841	526	513	1,344	2,077	3,281	4,776	6,245
<b>30% Exceedance</b>	6,361	6,021	4,391	2,303	548	286	320	940	1,798	3,019	4,487	6,120
<b>40% Exceedance</b>	6,126	5,480	3,835	1,263	369	261	273	426	1,269	2,241	4,099	6,013
<b>50% Exceedance</b>	5,492	3,282	2,926	881	288	244	239	302	1,031	1,824	3,649	5,200
<b>60% Exceedance</b>	1,353	2,793	2,237	461	263	232	222	241	658	1,308	2,555	1,659
<b>70% Exceedance</b>	1,249	2,490	1,114	289	237	221	216	215	512	1,172	2,281	1,549
<b>80% Exceedance</b>	1,083	2,200	665	238	226	213	209	199	261	966	2,141	1,460
<b>90% Exceedance</b>	914	1,192	316	218	213	201	204	193	198	644	1,718	999
<b>Full Simulation Period Average<sup>a</sup></b>	3,898	3,986	3,066	1,528	620	438	461	777	1,347	2,144	3,409	3,924
<b>Wet Water Years (32%)</b>	1,013	1,942	2,247	372	240	222	214	244	396	823	1,855	1,228
<b>Above Normal Years (15%)</b>	1,364	2,732	2,626	933	305	225	219	250	722	1,176	2,266	1,529
<b>Below Normal Years (17%)</b>	5,872	4,518	2,934	1,457	378	297	303	488	1,111	1,993	3,821	5,747
<b>Dry Water Years (22%)</b>	6,454	5,525	3,403	2,330	876	503	517	972	1,842	3,141	4,616	6,145
<b>Critical Water Years (15%)</b>	6,543	6,740	4,931	3,506	1,654	1,189	1,338	2,505	3,564	4,656	5,626	6,701

**Table 6B1-11-1c. San Joaquin River at Antioch, Alternative 1A 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-297	-311	-172	119	0	10	16	-72	8	35	-122	-356
<b>20% Exceedance</b>	-298	-174	-14	16	0	0	-4	-31	-8	-15	-186	-324
<b>30% Exceedance</b>	-227	-36	-6	-29	4	1	2	12	4	-13	-246	-253
<b>40% Exceedance</b>	-164	172	144	24	-17	3	3	-1	1	1	-45	-175
<b>50% Exceedance</b>	169	-19	-88	6	5	2	-1	0	4	0	-60	-258
<b>60% Exceedance</b>	-95	-39	-103	11	2	4	0	0	0	1	-48	-107
<b>70% Exceedance</b>	-86	30	64	6	1	1	1	-1	0	3	-123	-143
<b>80% Exceedance</b>	-74	5	22	2	2	0	0	0	0	1	-117	-142
<b>90% Exceedance</b>	-56	43	7	1	1	0	0	0	0	0	-94	-99
<b>Full Simulation Period Average<sup>a</sup></b>	-132	-62	-14	1	8	4	2	-4	-7	-16	-112	-186
<b>Wet Water Years (32%)</b>	-49	-5	18	7	1	0	0	3	0	1	-89	-102
<b>Above Normal Years (15%)</b>	-91	-60	17	18	4	1	0	0	-4	-6	-105	-120
<b>Below Normal Years (17%)</b>	-213	31	10	-80	-5	1	2	0	1	0	-78	-199
<b>Dry Water Years (22%)</b>	-263	-239	-111	35	17	4	2	-7	-6	-40	-176	-308
<b>Critical Water Years (15%)</b>	-59	-31	-1	17	26	16	11	-23	-37	-46	-115	-231

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-11-2a. San Joaquin River at Antioch, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	7,118	6,746	6,302	3,661	1,254	1,156	1,209	1,866	2,309	3,729	5,468	6,911
<b>20% Exceedance</b>	6,787	6,446	5,124	3,054	841	526	517	1,375	2,084	3,296	4,962	6,569
<b>30% Exceedance</b>	6,588	6,057	4,396	2,332	545	285	318	929	1,794	3,032	4,733	6,374
<b>40% Exceedance</b>	6,290	5,309	3,691	1,239	386	258	270	427	1,269	2,239	4,144	6,189
<b>50% Exceedance</b>	5,323	3,301	3,014	875	283	242	240	302	1,027	1,824	3,709	5,458
<b>60% Exceedance</b>	1,449	2,832	2,340	450	261	228	222	241	658	1,307	2,603	1,765
<b>70% Exceedance</b>	1,335	2,460	1,050	283	237	220	215	216	512	1,169	2,404	1,692
<b>80% Exceedance</b>	1,157	2,195	643	236	224	213	209	199	261	965	2,258	1,602
<b>90% Exceedance</b>	970	1,149	310	217	212	201	204	193	198	643	1,813	1,098
<b>Full Simulation Period Average<sup>a</sup></b>	4,030	4,048	3,081	1,526	612	435	459	781	1,354	2,160	3,521	4,109
<b>Wet Water Years (32%)</b>	1,063	1,946	2,229	365	240	221	214	241	395	821	1,944	1,330
<b>Above Normal Years (15%)</b>	1,456	2,792	2,609	915	301	224	220	250	726	1,181	2,371	1,649
<b>Below Normal Years (17%)</b>	6,084	4,487	2,924	1,537	384	296	301	488	1,110	1,992	3,898	5,946
<b>Dry Water Years (22%)</b>	6,717	5,764	3,515	2,295	859	498	515	979	1,849	3,181	4,792	6,453
<b>Critical Water Years (15%)</b>	6,602	6,771	4,932	3,489	1,628	1,173	1,327	2,528	3,601	4,702	5,741	6,932

**Table 6B1-11-2b. San Joaquin River at Antioch, Alternative 1B 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	6,857	6,595	6,132	3,776	1,253	1,165	1,283	1,840	2,317	3,753	5,335	6,551
<b>20% Exceedance</b>	6,479	6,283	5,103	3,034	843	527	513	1,349	2,061	3,283	4,798	6,245
<b>30% Exceedance</b>	6,350	6,071	4,398	2,307	533	281	320	956	1,824	3,017	4,504	6,156
<b>40% Exceedance</b>	6,127	5,561	3,763	1,268	382	260	276	433	1,275	2,235	4,085	5,999
<b>50% Exceedance</b>	5,586	3,165	2,927	883	288	244	239	302	1,030	1,824	3,631	5,220
<b>60% Exceedance</b>	1,351	2,794	2,343	458	263	231	222	239	658	1,295	2,561	1,648
<b>70% Exceedance</b>	1,239	2,506	1,095	289	238	221	216	215	509	1,166	2,290	1,571
<b>80% Exceedance</b>	1,087	2,190	687	239	225	213	209	199	261	966	2,141	1,475
<b>90% Exceedance</b>	914	1,190	290	218	213	201	204	193	198	644	1,719	1,030
<b>Full Simulation Period Average<sup>a</sup></b>	3,897	4,010	3,070	1,528	620	439	462	778	1,350	2,145	3,410	3,929
<b>Wet Water Years (32%)</b>	1,014	1,949	2,257	371	240	222	215	236	389	823	1,857	1,237
<b>Above Normal Years (15%)</b>	1,346	2,720	2,617	930	305	225	219	249	727	1,179	2,267	1,517
<b>Below Normal Years (17%)</b>	5,886	4,517	2,922	1,539	385	297	302	489	1,117	1,991	3,817	5,755
<b>Dry Water Years (22%)</b>	6,435	5,620	3,424	2,269	873	502	518	980	1,852	3,145	4,619	6,145
<b>Critical Water Years (15%)</b>	6,567	6,758	4,925	3,507	1,654	1,197	1,343	2,511	3,576	4,651	5,628	6,719

**Table 6B1-11-2c. San Joaquin River at Antioch, Alternative 1B 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-261	-151	-169	115	-1	10	74	-26	8	24	-133	-360
<b>20% Exceedance</b>	-308	-163	-21	-21	3	0	-4	-26	-23	-13	-163	-324
<b>30% Exceedance</b>	-238	14	2	-25	-12	-4	2	27	30	-15	-229	-217
<b>40% Exceedance</b>	-163	253	72	29	-4	2	6	6	6	-5	-58	-190
<b>50% Exceedance</b>	263	-136	-87	8	5	1	-1	0	3	0	-78	-238
<b>60% Exceedance</b>	-98	-38	4	7	2	3	0	-2	0	-12	-42	-117
<b>70% Exceedance</b>	-96	46	45	5	1	1	0	-1	-3	-3	-113	-121
<b>80% Exceedance</b>	-70	-4	43	2	1	0	0	0	0	1	-117	-126
<b>90% Exceedance</b>	-56	41	-20	1	1	0	0	0	0	0	-94	-69
<b>Full Simulation Period Average<sup>a</sup></b>	-132	-38	-11	2	8	5	3	-4	-4	-15	-111	-181
<b>Wet Water Years (32%)</b>	-48	3	28	7	1	0	1	-5	-6	2	-86	-94
<b>Above Normal Years (15%)</b>	-110	-73	8	16	4	1	0	-1	1	-3	-104	-132
<b>Below Normal Years (17%)</b>	-198	31	-2	2	2	1	1	1	7	-1	-81	-191
<b>Dry Water Years (22%)</b>	-283	-144	-90	-27	14	4	3	1	3	-36	-174	-309
<b>Critical Water Years (15%)</b>	-35	-12	-7	19	26	24	16	-17	-25	-51	-113	-213

<sup>a</sup> Based on the 82-year simulation period.

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

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

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



**Table 6B1-11-3a. San Joaquin River at Antioch, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	7,118	6,746	6,302	3,661	1,254	1,156	1,209	1,866	2,309	3,729	5,468	6,911
<b>20% Exceedance</b>	6,787	6,446	5,124	3,054	841	526	517	1,375	2,084	3,296	4,962	6,569
<b>30% Exceedance</b>	6,588	6,057	4,396	2,332	545	285	318	929	1,794	3,032	4,733	6,374
<b>40% Exceedance</b>	6,290	5,309	3,691	1,239	386	258	270	427	1,269	2,239	4,144	6,189
<b>50% Exceedance</b>	5,323	3,301	3,014	875	283	242	240	302	1,027	1,824	3,709	5,458
<b>60% Exceedance</b>	1,449	2,832	2,340	450	261	228	222	241	658	1,307	2,603	1,765
<b>70% Exceedance</b>	1,335	2,460	1,050	283	237	220	215	216	512	1,169	2,404	1,692
<b>80% Exceedance</b>	1,157	2,195	643	236	224	213	209	199	261	965	2,258	1,602
<b>90% Exceedance</b>	970	1,149	310	217	212	201	204	193	198	643	1,813	1,098
<b>Full Simulation Period Average<sup>a</sup></b>	4,030	4,048	3,081	1,526	612	435	459	781	1,354	2,160	3,521	4,109
<b>Wet Water Years (32%)</b>	1,063	1,946	2,229	365	240	221	214	241	395	821	1,944	1,330
<b>Above Normal Years (15%)</b>	1,456	2,792	2,609	915	301	224	220	250	726	1,181	2,371	1,649
<b>Below Normal Years (17%)</b>	6,084	4,487	2,924	1,537	384	296	301	488	1,110	1,992	3,898	5,946
<b>Dry Water Years (22%)</b>	6,717	5,764	3,515	2,295	859	498	515	979	1,849	3,181	4,792	6,453
<b>Critical Water Years (15%)</b>	6,602	6,771	4,932	3,489	1,628	1,173	1,327	2,528	3,601	4,702	5,741	6,932

**Table 6B1-11-3b. San Joaquin River at Antioch, Alternative 2 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	6,791	6,485	6,135	3,782	1,254	1,165	1,225	1,794	2,317	3,756	5,317	6,484
<b>20% Exceedance</b>	6,463	6,245	5,105	3,067	840	526	513	1,344	2,077	3,282	4,804	6,264
<b>30% Exceedance</b>	6,364	6,022	4,392	2,302	548	286	320	940	1,798	3,020	4,488	6,060
<b>40% Exceedance</b>	6,179	5,481	3,818	1,263	369	262	273	427	1,269	2,241	4,125	5,954
<b>50% Exceedance</b>	5,475	3,211	2,922	882	288	244	239	302	1,031	1,828	3,648	5,200
<b>60% Exceedance</b>	1,337	2,793	2,236	461	263	232	222	241	658	1,308	2,555	1,628
<b>70% Exceedance</b>	1,238	2,479	1,114	289	237	221	216	215	512	1,172	2,281	1,549
<b>80% Exceedance</b>	1,082	2,198	665	238	226	213	209	199	261	966	2,141	1,460
<b>90% Exceedance</b>	914	1,182	316	218	213	201	204	193	198	644	1,719	999
<b>Full Simulation Period Average<sup>a</sup></b>	3,884	3,982	3,062	1,523	618	438	461	777	1,347	2,144	3,397	3,912
<b>Wet Water Years (32%)</b>	1,008	1,936	2,246	371	240	222	214	244	396	823	1,855	1,227
<b>Above Normal Years (15%)</b>	1,350	2,720	2,624	932	305	225	219	250	722	1,176	2,254	1,518
<b>Below Normal Years (17%)</b>	5,863	4,507	2,932	1,458	379	297	303	488	1,111	1,993	3,806	5,740
<b>Dry Water Years (22%)</b>	6,436	5,527	3,408	2,310	872	502	517	972	1,842	3,142	4,621	6,148
<b>Critical Water Years (15%)</b>	6,511	6,750	4,901	3,505	1,651	1,190	1,339	2,506	3,565	4,653	5,566	6,637

**Table 6B1-11-3c. San Joaquin River at Antioch, Alternative 2 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-327	-261	-166	121	0	10	16	-72	8	27	-152	-426
<b>20% Exceedance</b>	-324	-201	-19	13	0	0	-4	-31	-8	-14	-157	-305
<b>30% Exceedance</b>	-224	-34	-5	-30	4	1	2	12	4	-12	-245	-314
<b>40% Exceedance</b>	-111	172	127	24	-17	3	3	-1	1	1	-19	-234
<b>50% Exceedance</b>	152	-90	-92	7	5	2	-1	0	5	4	-61	-258
<b>60% Exceedance</b>	-111	-38	-103	10	2	4	0	0	0	1	-48	-138
<b>70% Exceedance</b>	-97	19	64	6	1	1	1	-1	0	3	-123	-143
<b>80% Exceedance</b>	-75	3	22	2	2	0	0	0	0	1	-117	-142
<b>90% Exceedance</b>	-56	34	6	1	1	1	0	0	0	0	-94	-99
<b>Full Simulation Period Average<sup>a</sup></b>	-146	-65	-19	-3	6	4	3	-4	-7	-16	-124	-197
<b>Wet Water Years (32%)</b>	-55	-10	17	7	1	0	0	3	0	1	-89	-103
<b>Above Normal Years (15%)</b>	-106	-72	15	18	4	1	0	0	-4	-6	-117	-131
<b>Below Normal Years (17%)</b>	-221	20	8	-79	-5	1	2	0	1	0	-92	-206
<b>Dry Water Years (22%)</b>	-282	-238	-107	14	13	4	2	-7	-6	-39	-172	-305
<b>Critical Water Years (15%)</b>	-90	-21	-30	17	23	17	12	-22	-36	-49	-175	-295

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-11-4a. San Joaquin River at Antioch, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	7,118	6,746	6,302	3,661	1,254	1,156	1,209	1,866	2,309	3,729	5,468	6,911
<b>20% Exceedance</b>	6,787	6,446	5,124	3,054	841	526	517	1,375	2,084	3,296	4,962	6,569
<b>30% Exceedance</b>	6,588	6,057	4,396	2,332	545	285	318	929	1,794	3,032	4,733	6,374
<b>40% Exceedance</b>	6,290	5,309	3,691	1,239	386	258	270	427	1,269	2,239	4,144	6,189
<b>50% Exceedance</b>	5,323	3,301	3,014	875	283	242	240	302	1,027	1,824	3,709	5,458
<b>60% Exceedance</b>	1,449	2,832	2,340	450	261	228	222	241	658	1,307	2,603	1,765
<b>70% Exceedance</b>	1,335	2,460	1,050	283	237	220	215	216	512	1,169	2,404	1,692
<b>80% Exceedance</b>	1,157	2,195	643	236	224	213	209	199	261	965	2,258	1,602
<b>90% Exceedance</b>	970	1,149	310	217	212	201	204	193	198	643	1,813	1,098
<b>Full Simulation Period Average<sup>a</sup></b>	4,030	4,048	3,081	1,526	612	435	459	781	1,354	2,160	3,521	4,109
<b>Wet Water Years (32%)</b>	1,063	1,946	2,229	365	240	221	214	241	395	821	1,944	1,330
<b>Above Normal Years (15%)</b>	1,456	2,792	2,609	915	301	224	220	250	726	1,181	2,371	1,649
<b>Below Normal Years (17%)</b>	6,084	4,487	2,924	1,537	384	296	301	488	1,110	1,992	3,898	5,946
<b>Dry Water Years (22%)</b>	6,717	5,764	3,515	2,295	859	498	515	979	1,849	3,181	4,792	6,453
<b>Critical Water Years (15%)</b>	6,602	6,771	4,932	3,489	1,628	1,173	1,327	2,528	3,601	4,702	5,741	6,932

**Table 6B1-11-4b. San Joaquin River at Antioch, Alternative 3 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	6,859	6,597	6,167	3,894	1,253	1,168	1,291	1,864	2,315	3,742	5,387	6,731
<b>20% Exceedance</b>	6,475	6,347	5,108	3,095	859	530	513	1,344	2,066	3,287	4,790	6,378
<b>30% Exceedance</b>	6,341	6,055	4,377	2,522	551	285	320	963	1,840	3,023	4,568	6,184
<b>40% Exceedance</b>	6,021	5,150	3,913	1,263	369	259	274	433	1,309	2,226	4,068	6,025
<b>50% Exceedance</b>	4,226	3,088	3,012	887	289	244	243	302	999	1,826	3,687	5,158
<b>60% Exceedance</b>	1,401	2,678	2,141	442	263	231	222	239	662	1,303	2,564	1,649
<b>70% Exceedance</b>	1,241	2,435	1,010	285	238	222	216	216	515	1,171	2,290	1,559
<b>80% Exceedance</b>	1,067	1,968	649	237	226	216	208	199	261	966	2,140	1,475
<b>90% Exceedance</b>	928	1,006	273	218	213	201	204	193	198	644	1,723	1,023
<b>Full Simulation Period Average<sup>a</sup></b>	3,831	3,909	3,054	1,530	617	438	462	777	1,353	2,144	3,413	3,951
<b>Wet Water Years (32%)</b>	1,033	1,960	2,264	368	241	222	216	238	390	824	1,855	1,234
<b>Above Normal Years (15%)</b>	1,342	2,614	2,593	955	308	226	221	244	729	1,178	2,246	1,515
<b>Below Normal Years (17%)</b>	5,359	3,909	2,850	1,476	385	299	303	486	1,125	1,987	3,814	5,768
<b>Dry Water Years (22%)</b>	6,484	5,694	3,441	2,328	877	498	516	981	1,857	3,149	4,637	6,178
<b>Critical Water Years (15%)</b>	6,619	6,747	4,883	3,489	1,624	1,190	1,341	2,512	3,575	4,648	5,650	6,816

**Table 6B1-11-4c. San Joaquin River at Antioch, Alternative 3 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-259	-149	-135	232	0	13	83	-2	6	14	-82	-179
<b>20% Exceedance</b>	-313	-98	-16	40	18	4	-4	-31	-18	-9	-171	-191
<b>30% Exceedance</b>	-247	-2	-19	190	6	0	3	34	46	-9	-165	-189
<b>40% Exceedance</b>	-269	-159	222	24	-17	1	4	6	40	-14	-76	-164
<b>50% Exceedance</b>	-1,096	-214	-2	12	5	2	3	0	-27	1	-22	-299
<b>60% Exceedance</b>	-47	-154	-199	-9	2	3	1	-2	4	-4	-39	-117
<b>70% Exceedance</b>	-93	-25	-40	2	1	2	0	0	3	2	-113	-133
<b>80% Exceedance</b>	-90	-226	6	1	2	2	0	0	0	1	-119	-126
<b>90% Exceedance</b>	-42	-143	-37	1	1	1	0	0	0	0	-90	-75
<b>Full Simulation Period Average<sup>a</sup></b>	-199	-139	-27	4	5	3	4	-4	-1	-16	-108	-158
<b>Wet Water Years (32%)</b>	-30	14	36	3	1	1	2	-3	-5	2	-89	-96
<b>Above Normal Years (15%)</b>	-114	-178	-17	40	7	1	2	-5	3	-3	-125	-134
<b>Below Normal Years (17%)</b>	-726	-578	-74	-61	1	3	2	-2	14	-6	-84	-178
<b>Dry Water Years (22%)</b>	-233	-70	-74	32	18	0	2	3	9	-32	-155	-276
<b>Critical Water Years (15%)</b>	17	-24	-48	0	-4	17	13	-16	-26	-54	-91	-116

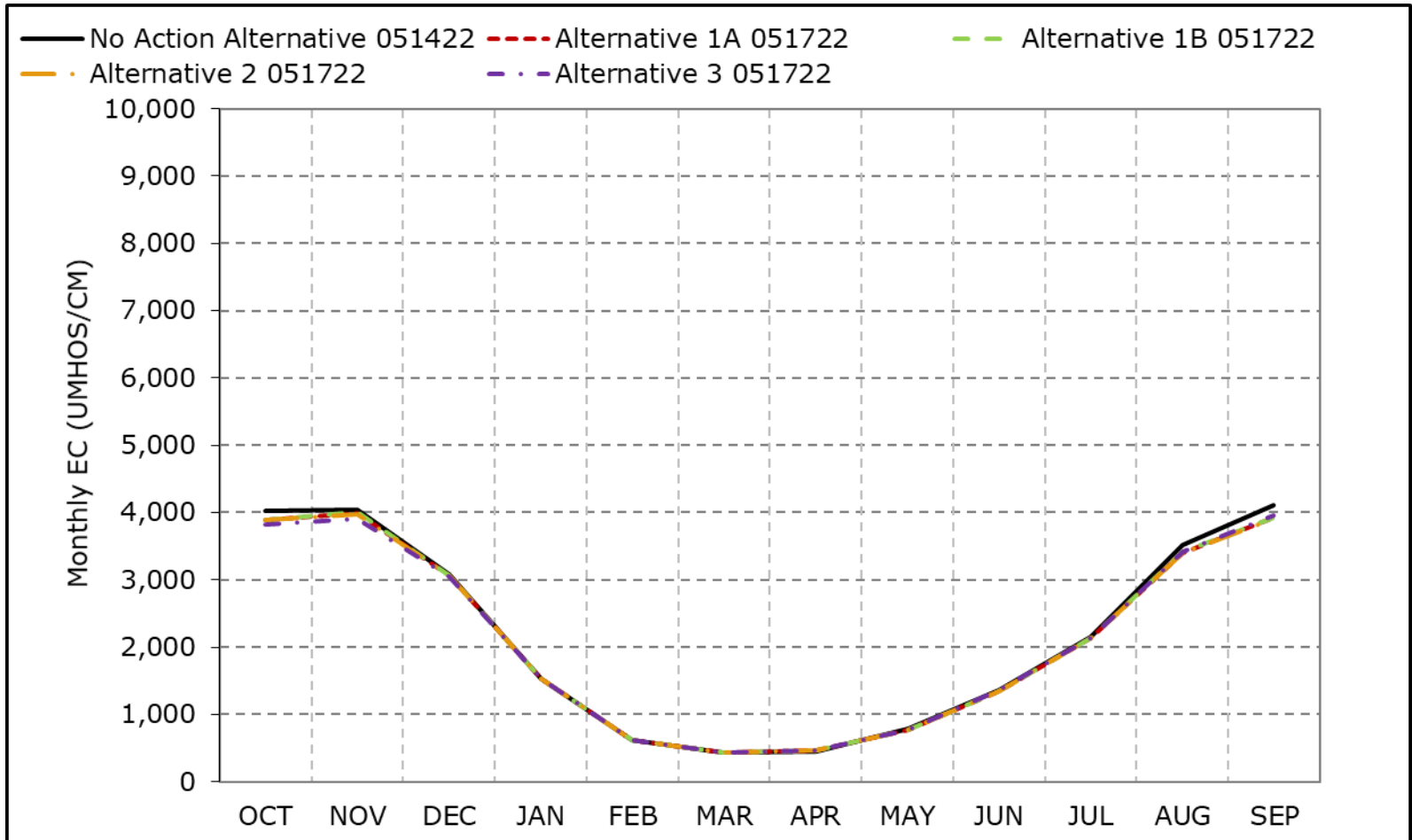
<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Figure 6B1-11-1. San Joaquin River at Antioch, Long-Term Average EC**

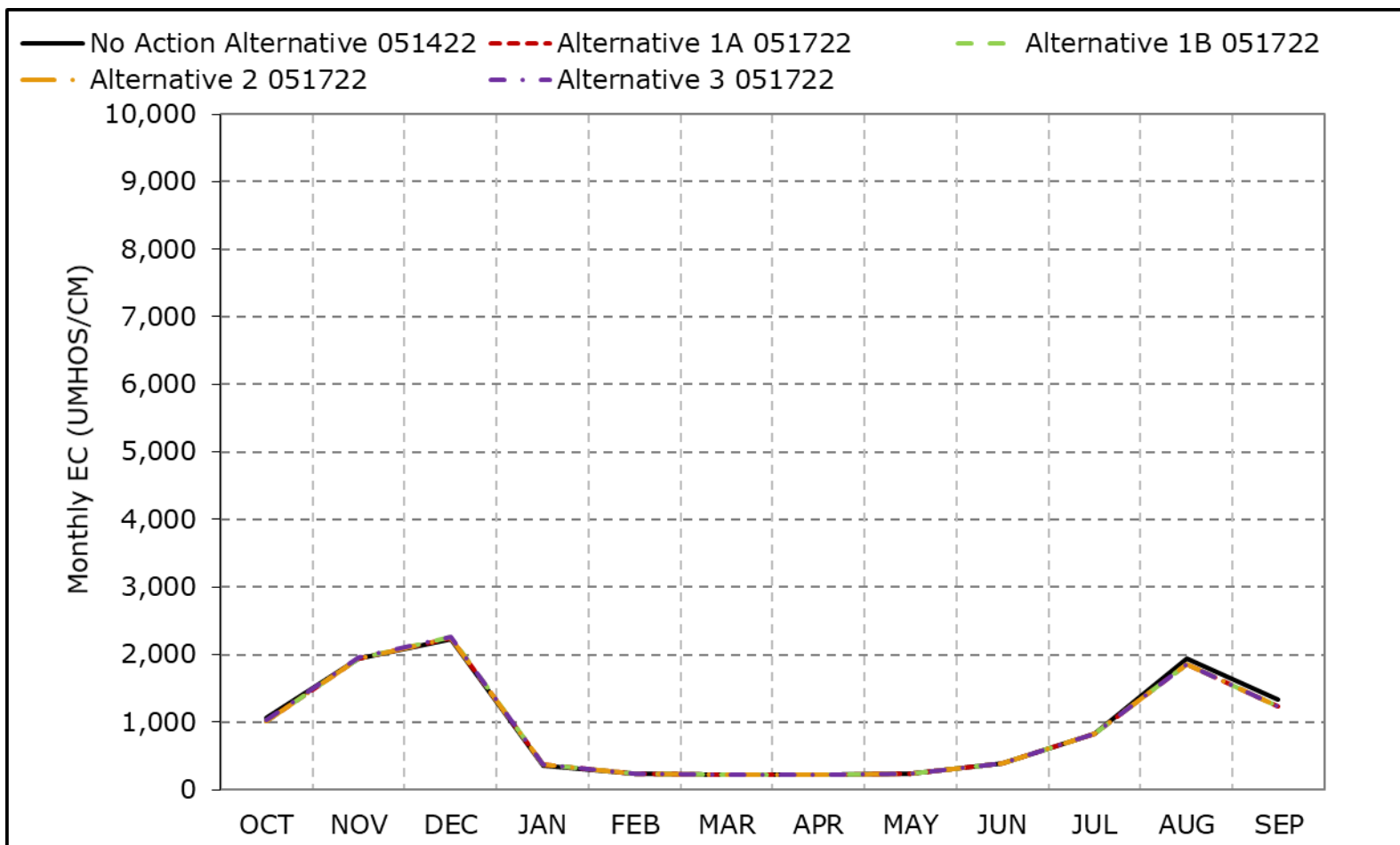


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-11-2. San Joaquin River at Antioch, Wet Year Average EC**

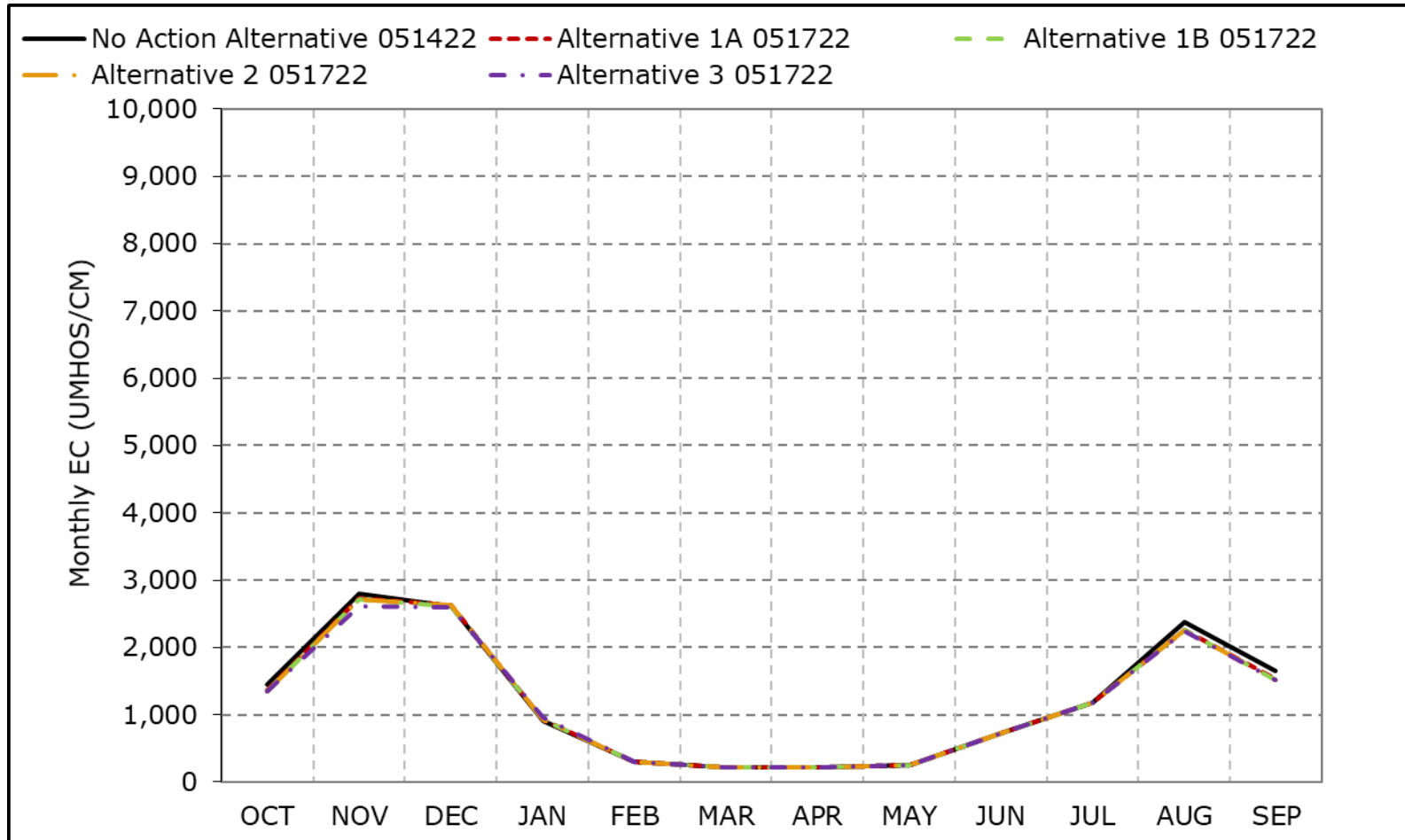


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-11-3. San Joaquin River at Antioch, Above Normal Year Average EC**

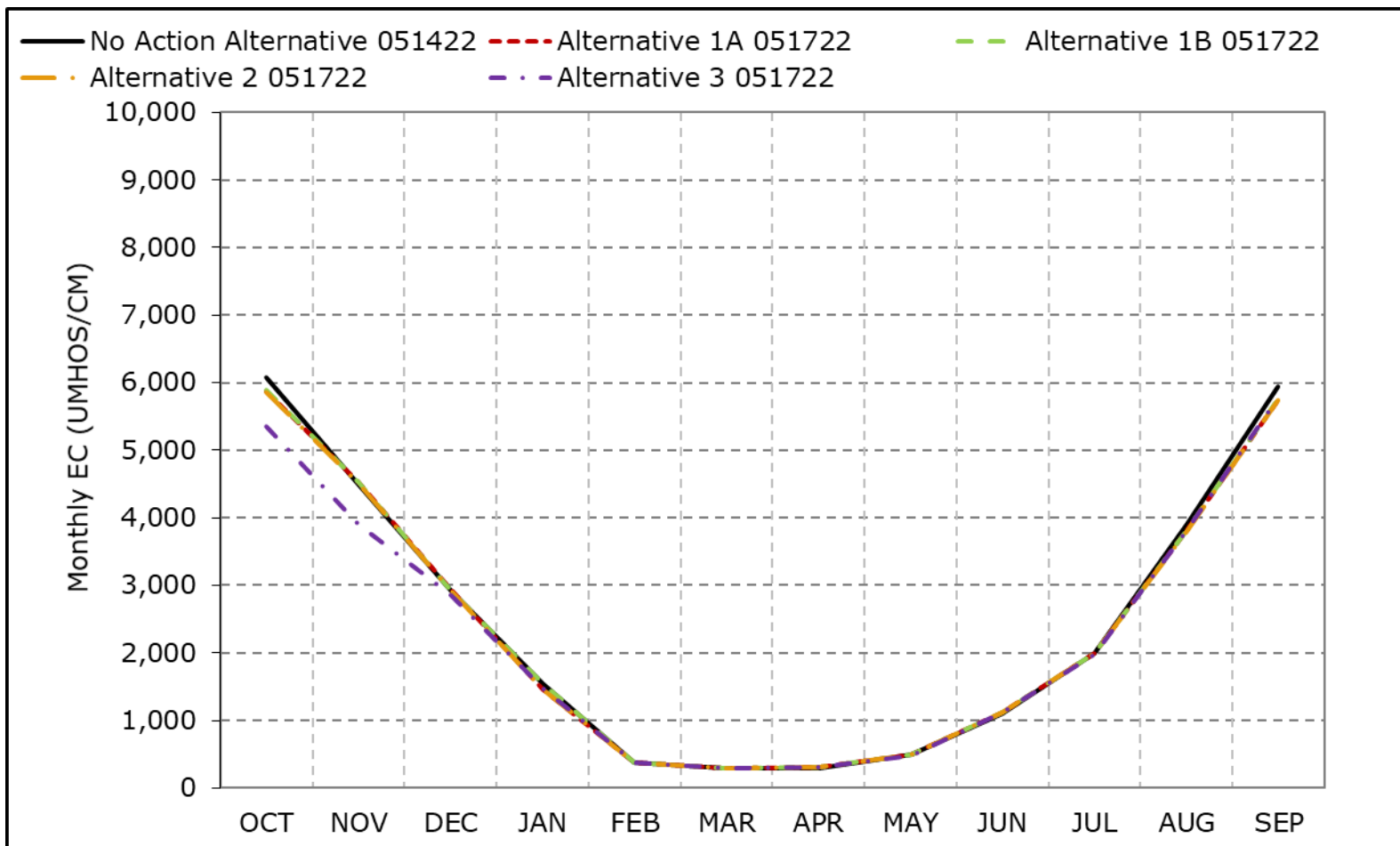


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-11-4. San Joaquin River at Antioch, Below Normal Year Average EC**

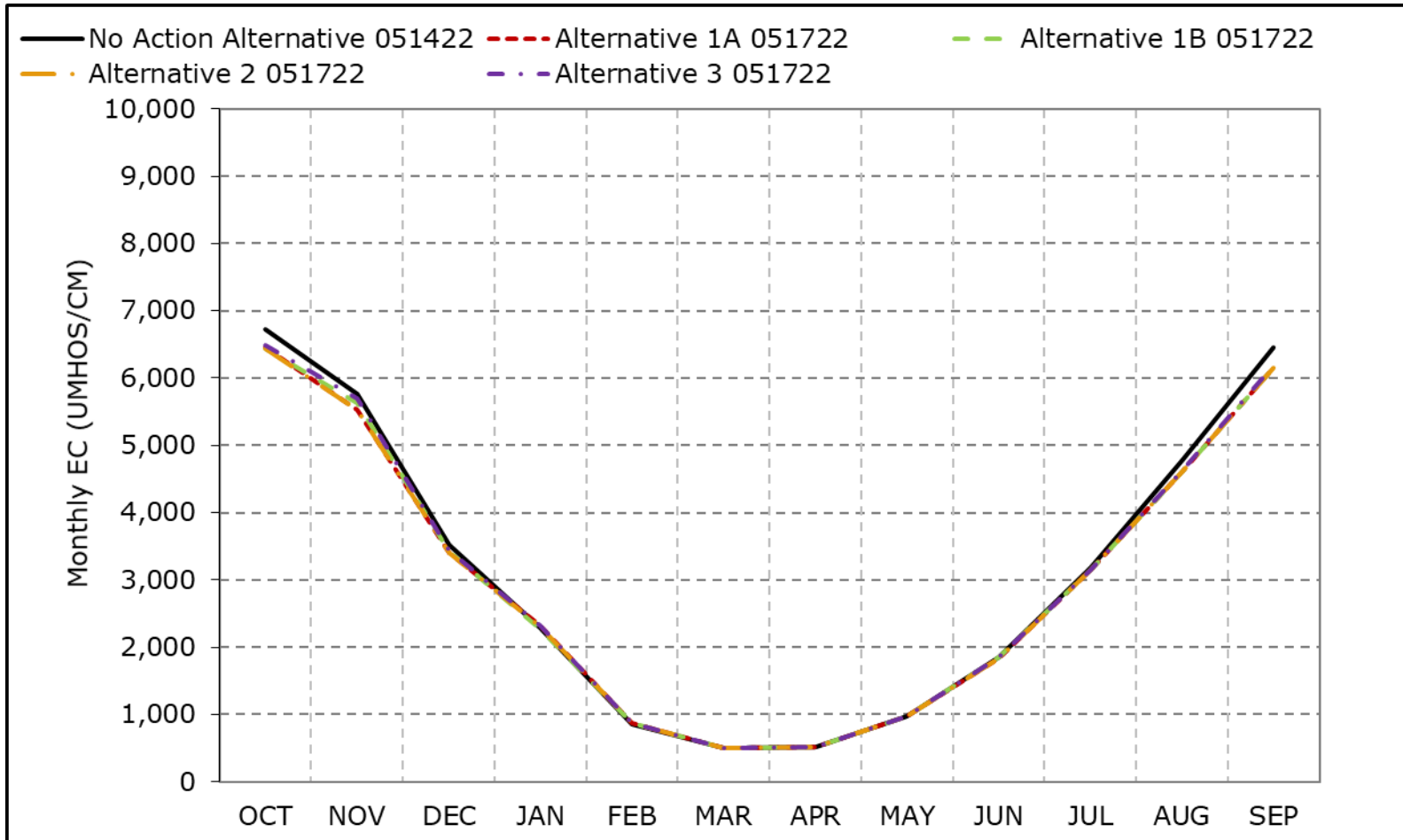


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-11-5. San Joaquin River at Antioch, Dry Year Average EC**

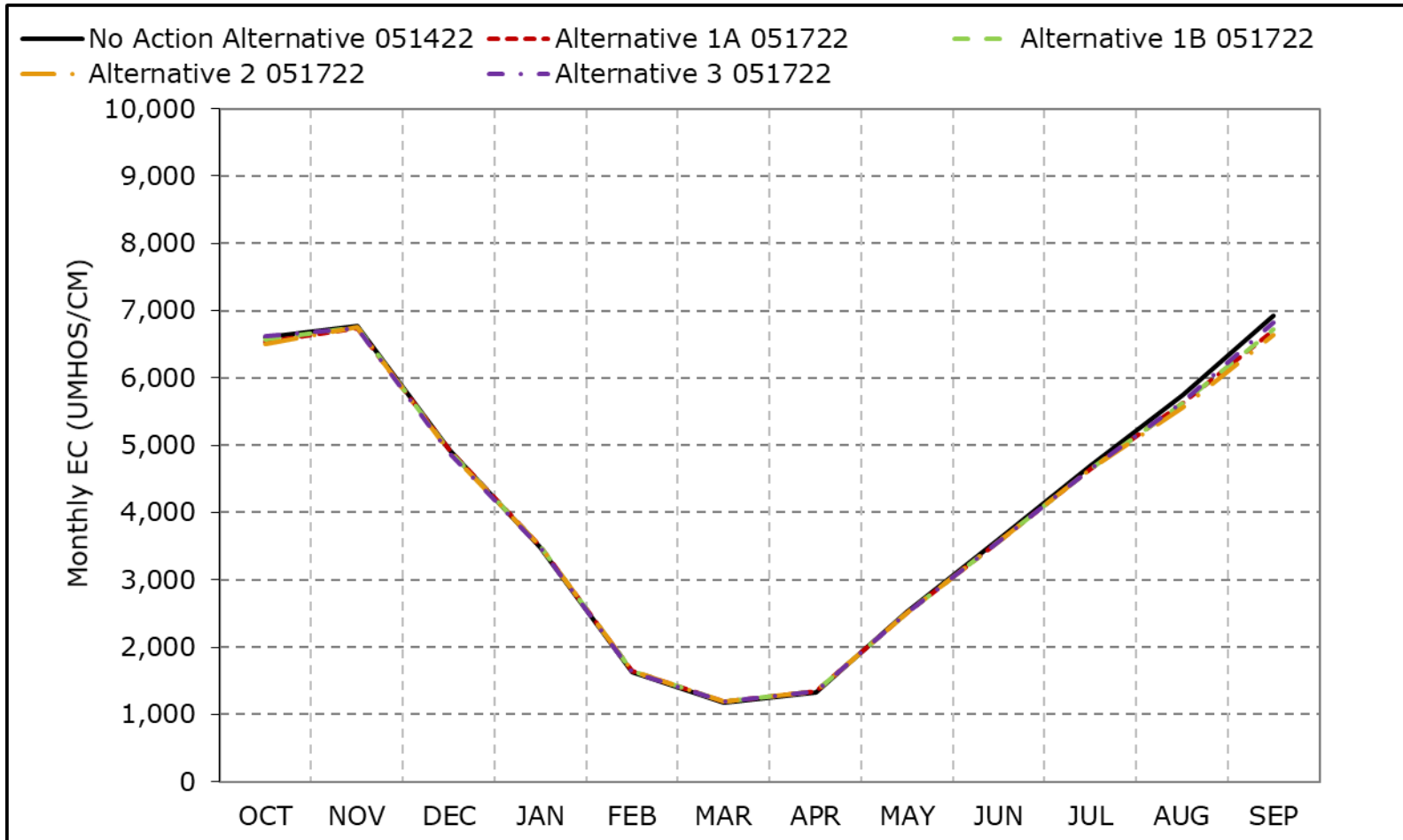


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-11-6. San Joaquin River at Antioch, Critical Year Average EC**



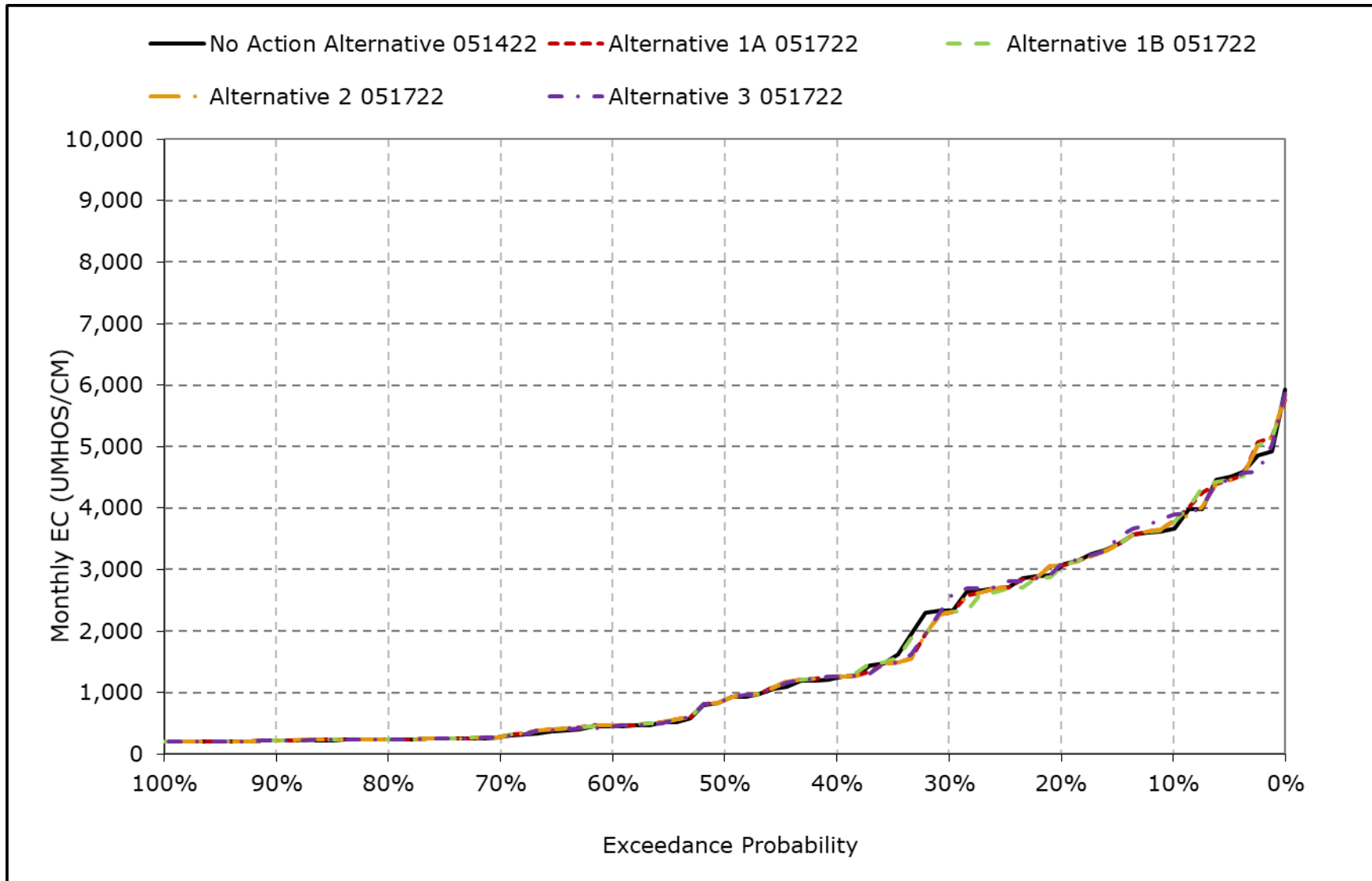
\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

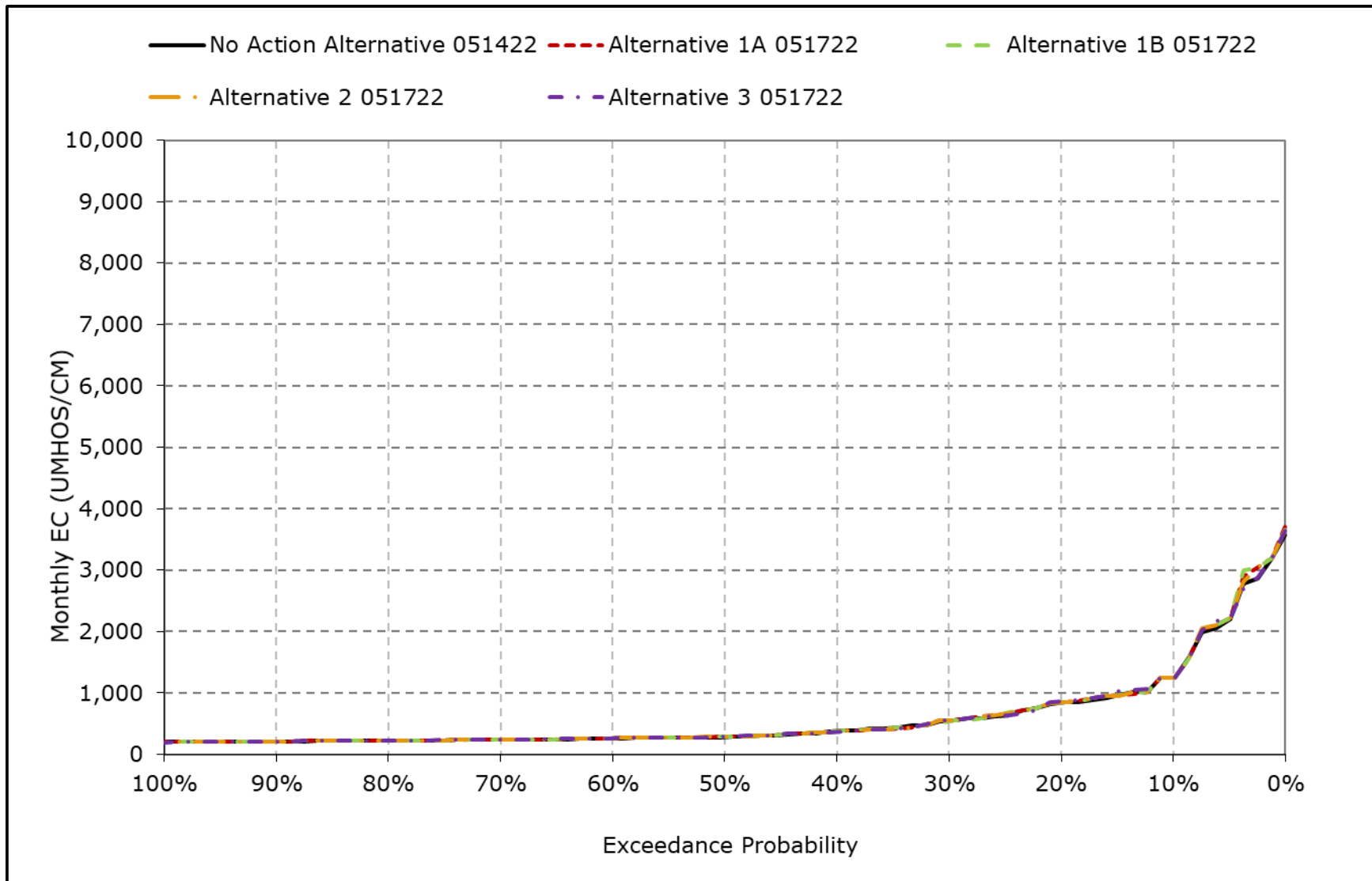


**Figure 6B1-11-7. San Joaquin River at Antioch Salinity, January EC**



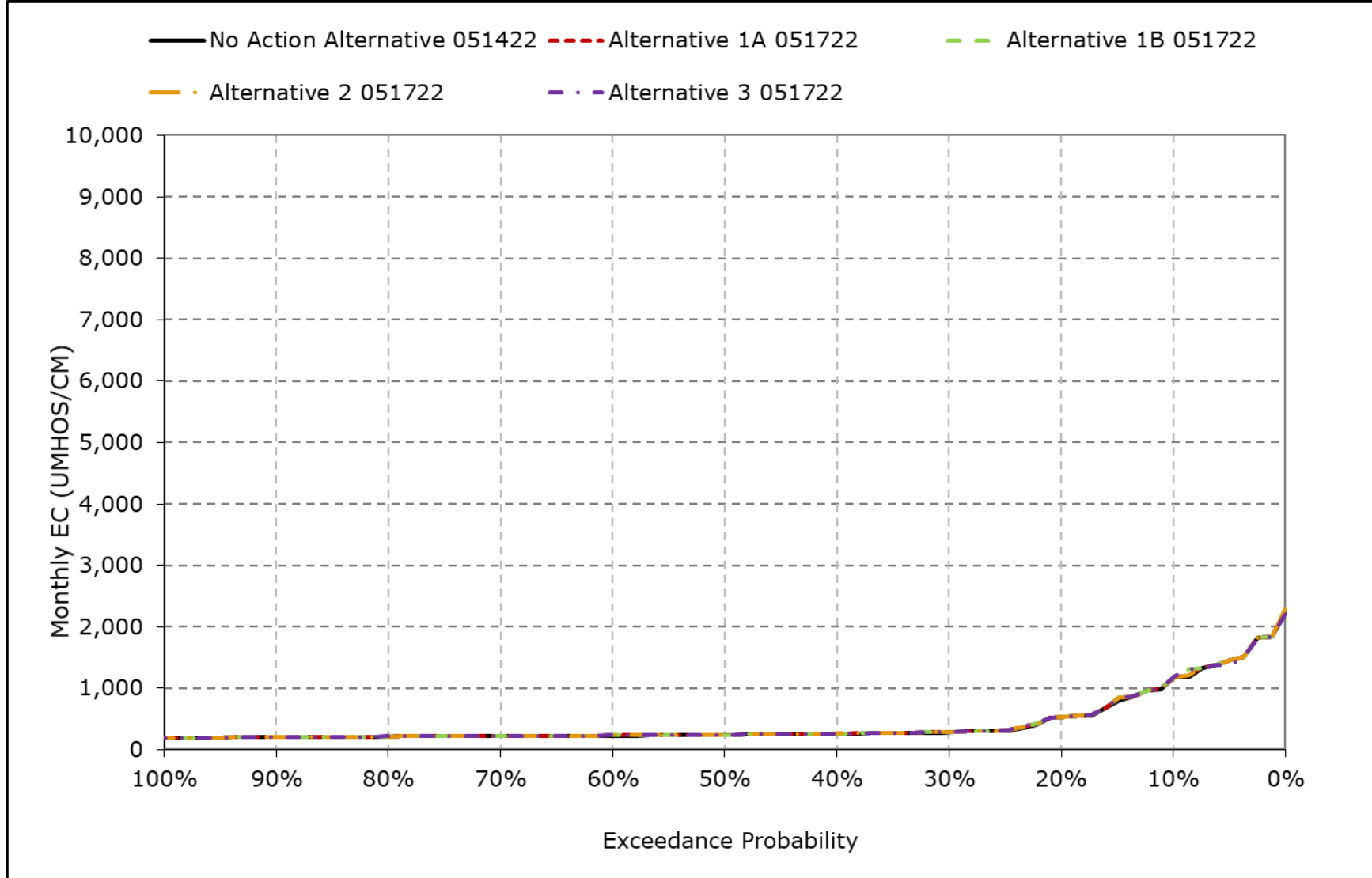
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-11-8. San Joaquin River at Antioch Salinity, February EC**



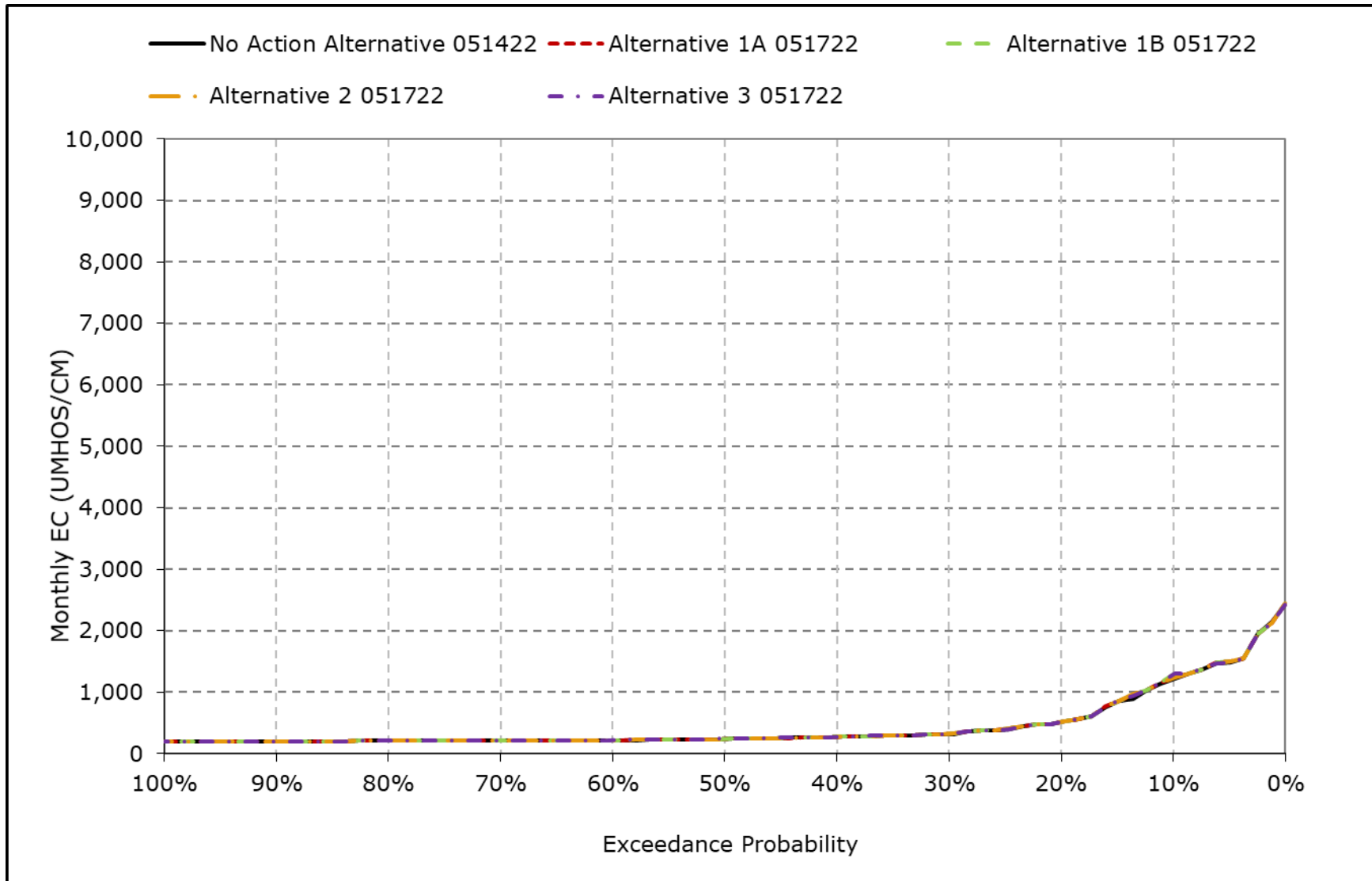
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-11-9. San Joaquin River at Antioch Salinity, March EC**



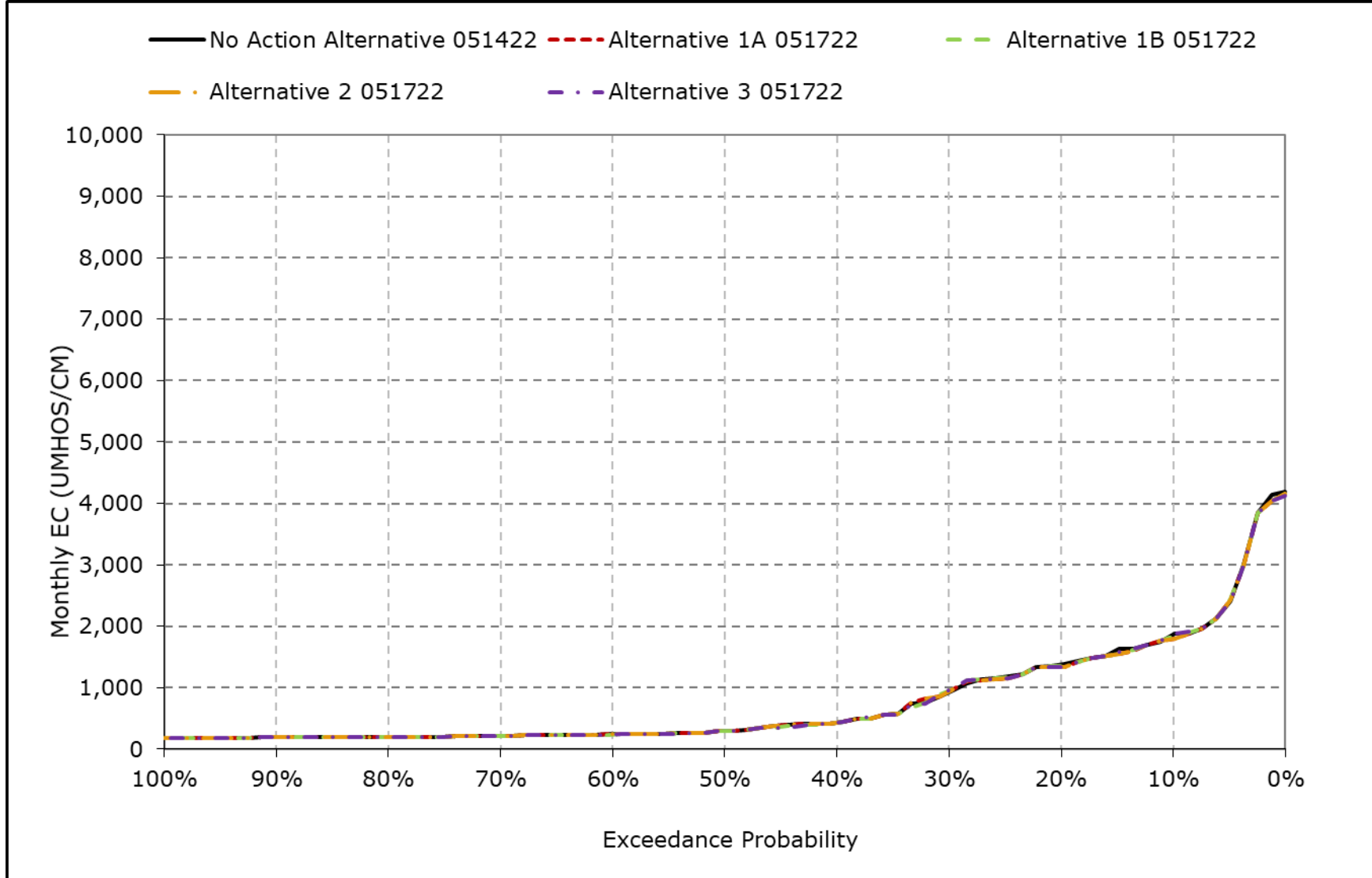
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-11-10. San Joaquin River at Antioch Salinity, April EC**



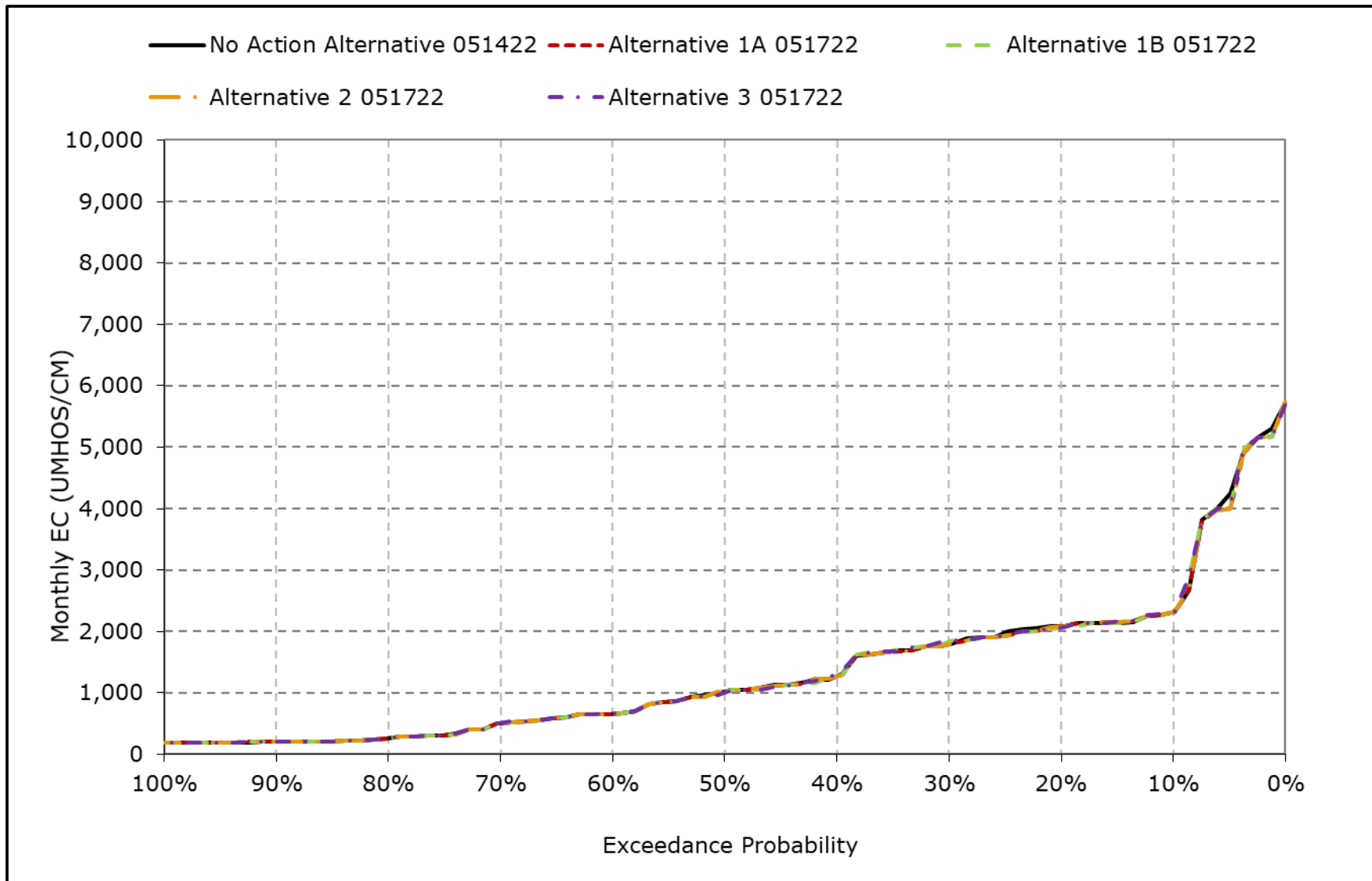
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-11-11. San Joaquin River at Antioch Salinity, May EC**



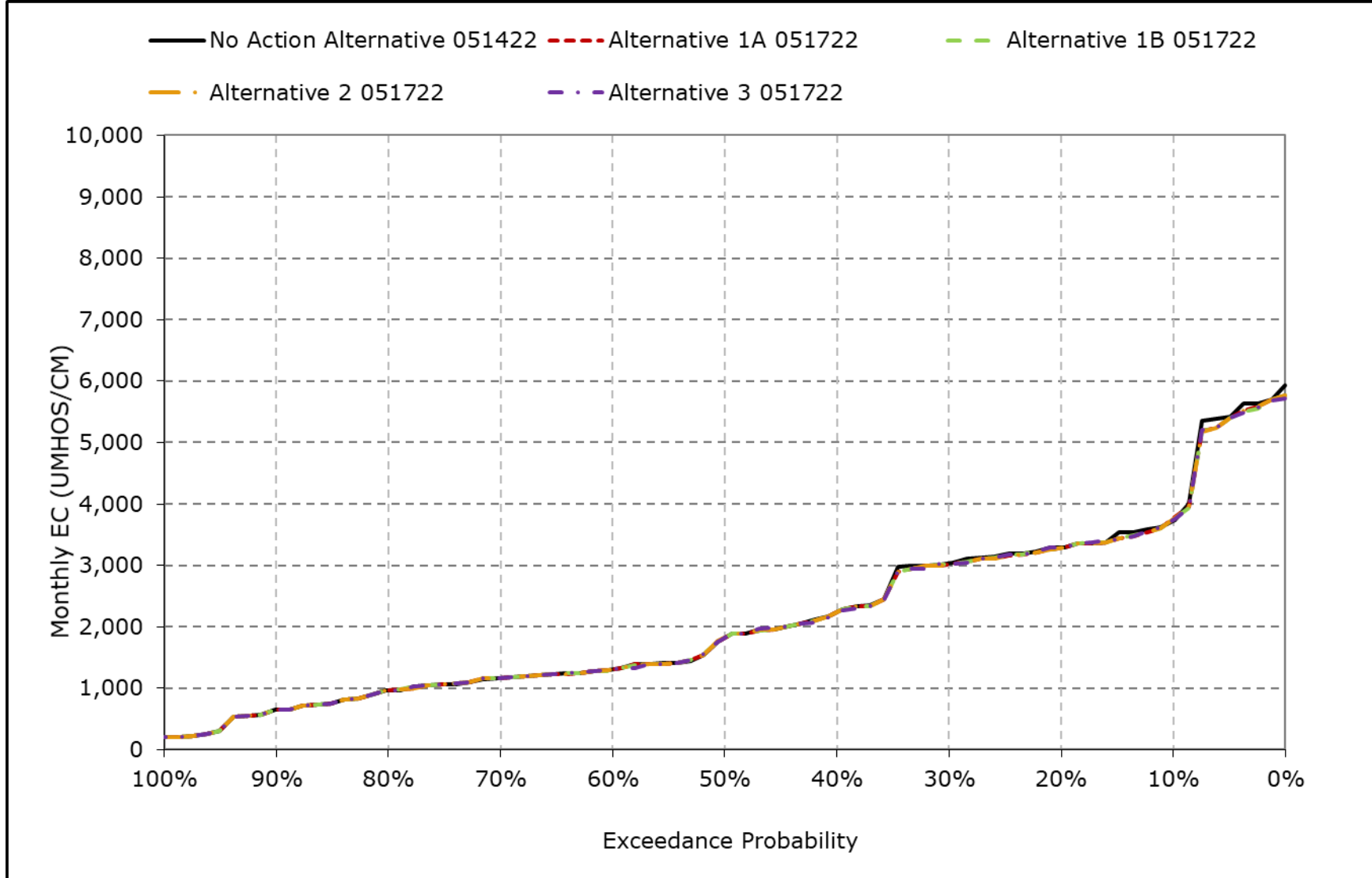
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-11-12. San Joaquin River at Antioch Salinity, June EC**



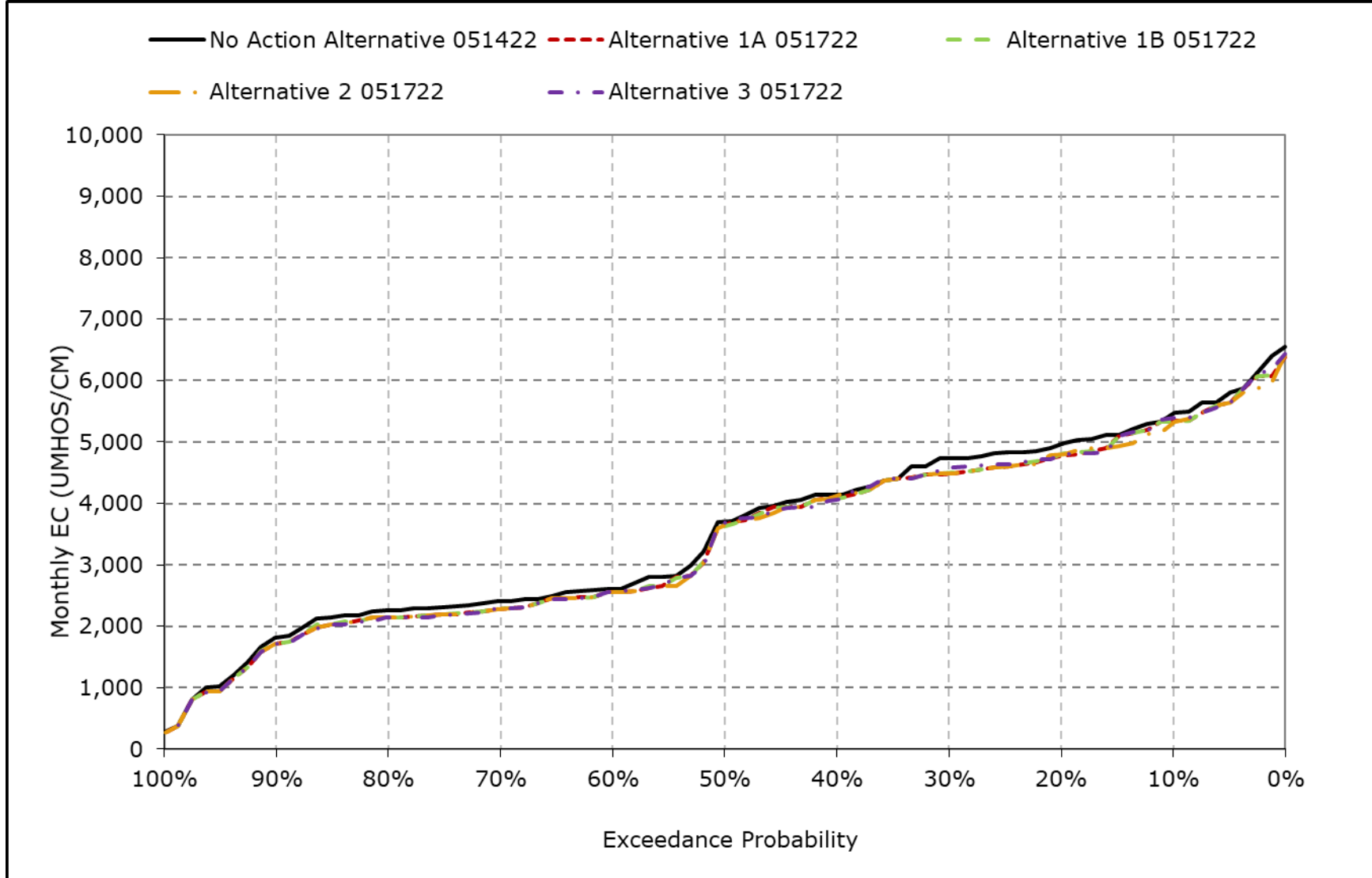
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-11-13. San Joaquin River at Antioch Salinity, July EC**



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

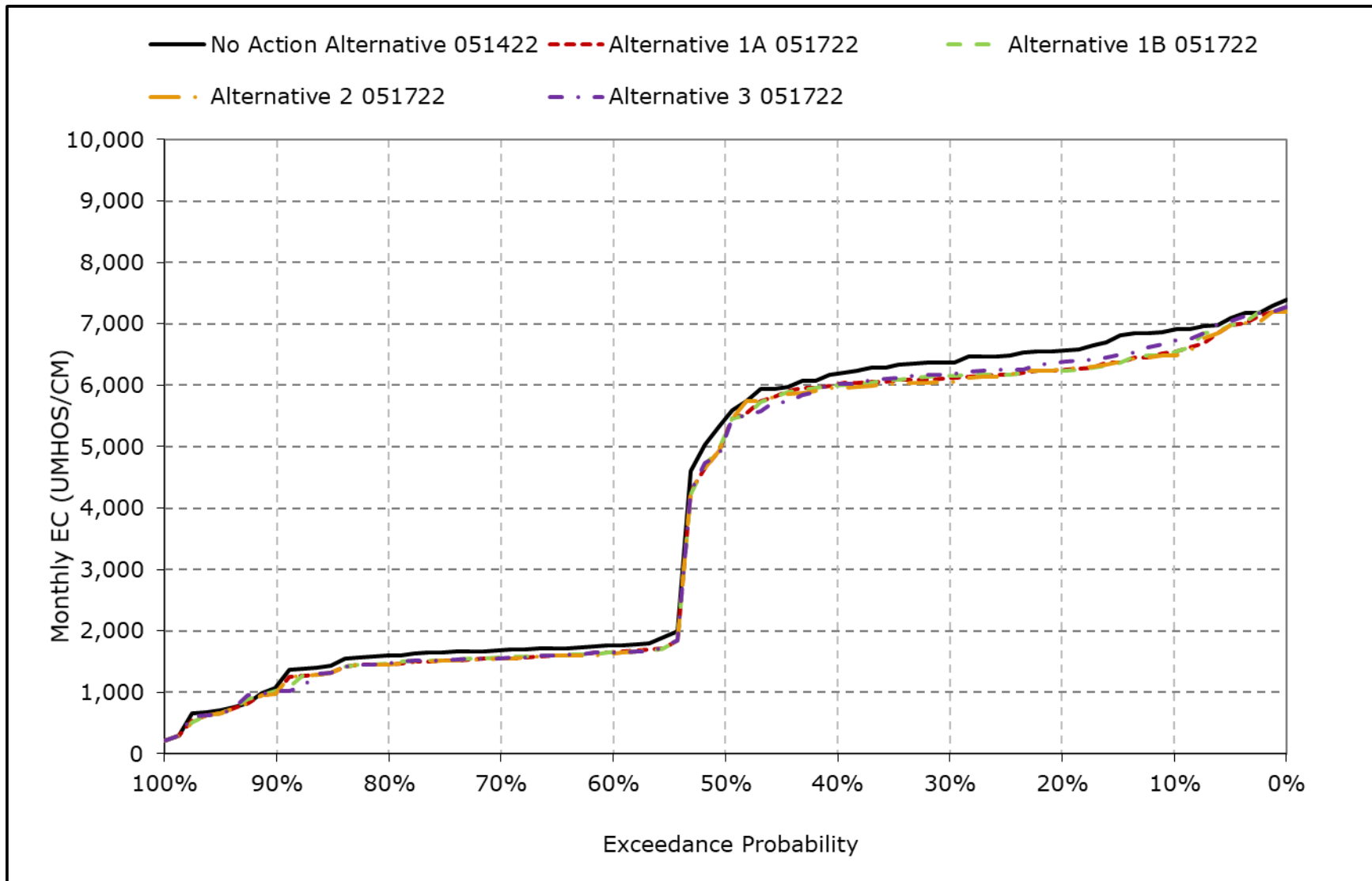
**Figure 6B1-11-14. San Joaquin River at Antioch Salinity, August EC**



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

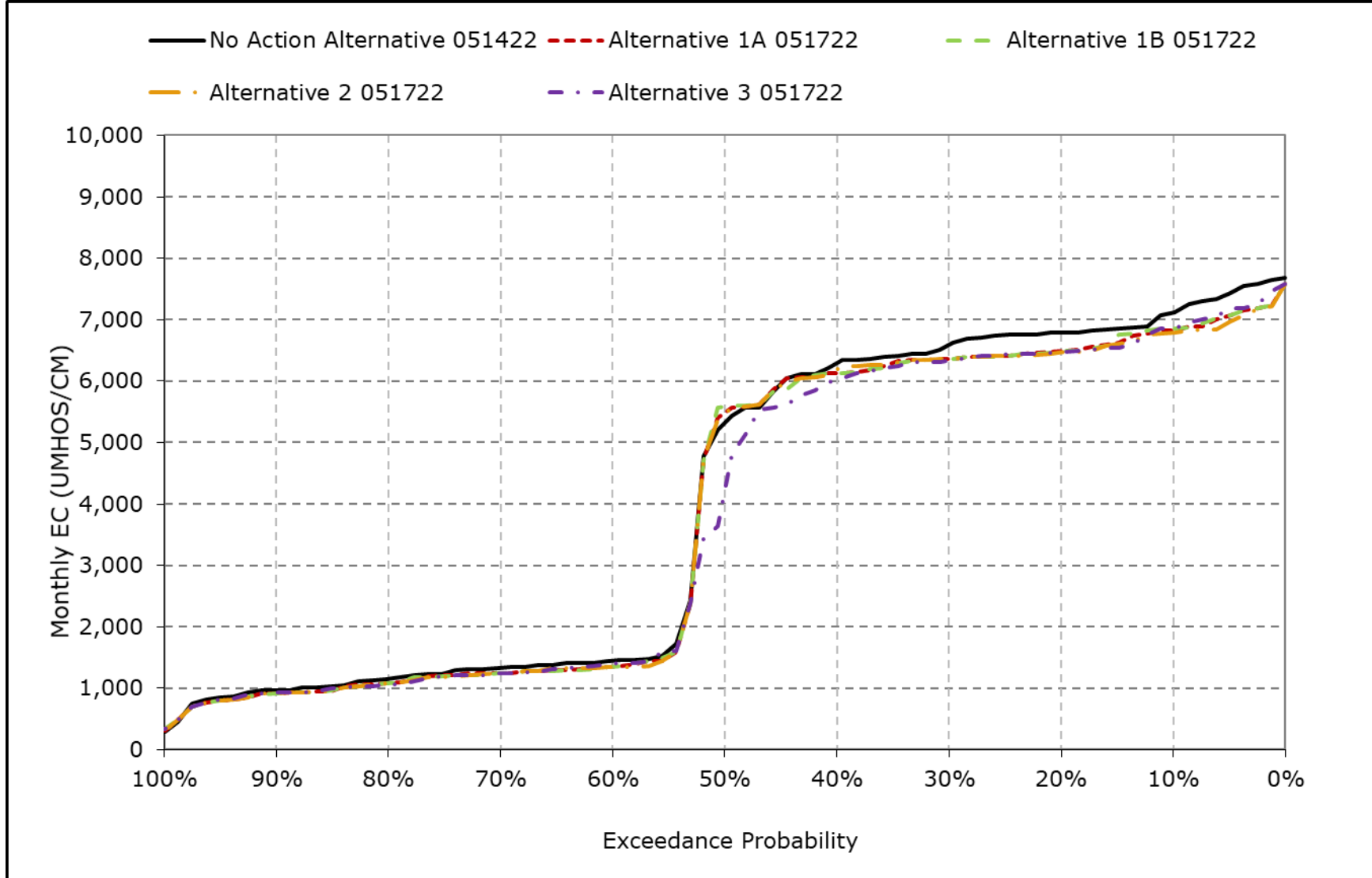


**Figure 6B1-11-15. San Joaquin River at Antioch Salinity, September EC**



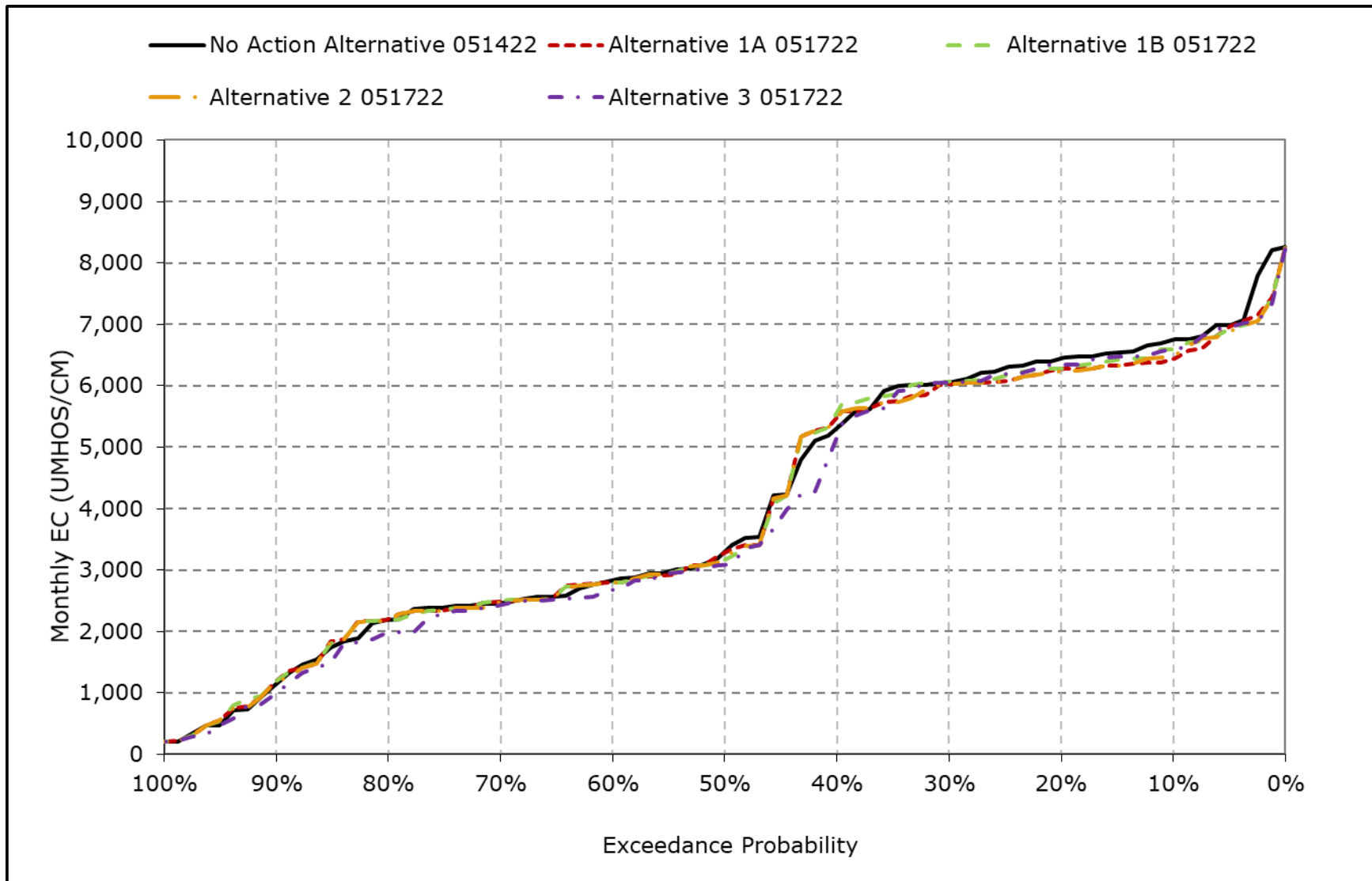
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-11-16. San Joaquin River at Antioch Salinity, October EC**



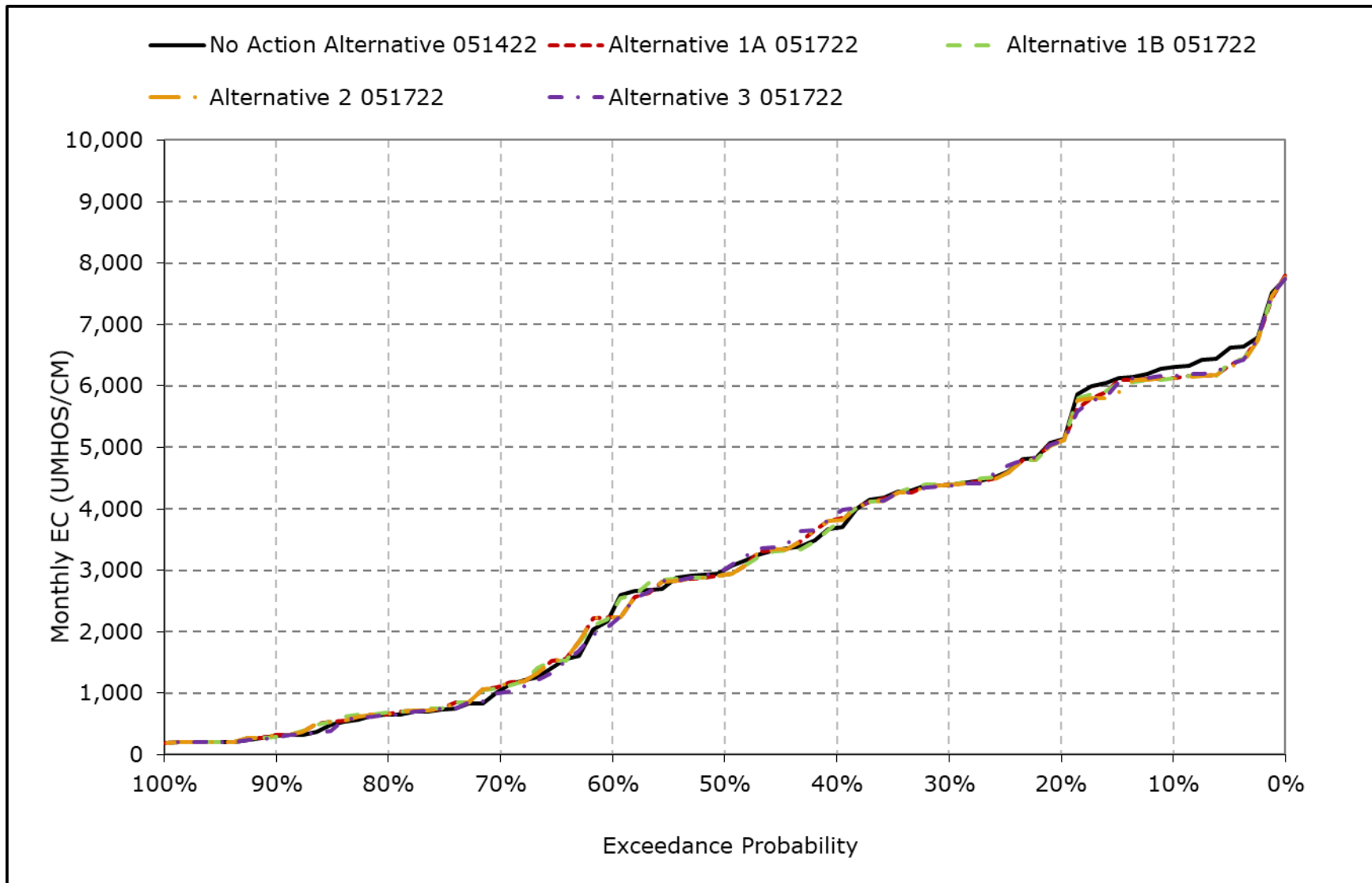
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-11-17. San Joaquin River at Antioch Salinity, November EC**



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

**Figure 6B1-11-18. San Joaquin River at Antioch Salinity, December EC**



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

**Table 6B1-12-1a. San Joaquin River at Jersey Point, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	2,478	2,417	2,282	1,523	620	361	323	467	584	1,502	1,773	2,640
<b>20% Exceedance</b>	2,254	2,149	2,181	1,292	418	277	248	373	509	1,181	1,676	2,483
<b>30% Exceedance</b>	2,169	2,005	2,049	992	320	250	231	279	447	894	1,580	2,353
<b>40% Exceedance</b>	2,011	1,762	1,674	787	300	238	225	230	361	809	1,446	2,258
<b>50% Exceedance</b>	1,564	1,293	1,465	445	268	231	221	218	284	621	1,228	1,985
<b>60% Exceedance</b>	407	1,044	1,181	324	252	227	216	212	239	479	957	751
<b>70% Exceedance</b>	365	954	604	269	235	216	212	205	217	392	785	659
<b>80% Exceedance</b>	339	876	448	239	219	209	207	201	202	315	693	561
<b>90% Exceedance</b>	316	511	240	222	213	204	205	192	198	242	407	333
<b>Full Simulation Period Average<sup>a</sup></b>	1,327	1,452	1,360	728	355	260	244	297	413	758	1,169	1,534
<b>Wet Water Years (32%)</b>	335	755	1,110	289	235	222	212	201	214	318	602	493
<b>Above Normal Years (15%)</b>	411	1,075	1,345	557	269	226	218	209	262	433	789	639
<b>Below Normal Years (17%)</b>	2,298	1,744	1,304	776	288	233	227	245	324	774	1,556	2,531
<b>Dry Water Years (22%)</b>	2,148	1,990	1,440	1,003	426	263	243	311	469	1,150	1,547	2,303
<b>Critical Water Years (15%)</b>	2,025	2,191	1,857	1,385	670	400	364	635	1,013	1,429	1,760	2,368

**Table 6B1-12-1b. San Joaquin River at Jersey Point, Alternative 1A 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	2,324	2,306	2,257	1,582	618	362	326	461	587	1,485	1,806	2,583
<b>20% Exceedance</b>	2,229	2,177	2,150	1,321	416	278	249	371	512	1,214	1,681	2,461
<b>30% Exceedance</b>	2,161	2,065	2,011	995	323	251	232	280	444	922	1,572	2,320
<b>40% Exceedance</b>	2,046	1,875	1,695	767	292	238	226	230	362	844	1,485	2,237
<b>50% Exceedance</b>	1,573	1,364	1,479	455	268	232	221	219	284	620	1,276	1,950
<b>60% Exceedance</b>	381	1,074	1,162	340	253	227	216	212	239	479	910	692
<b>70% Exceedance</b>	351	936	658	278	237	218	213	205	217	394	759	611
<b>80% Exceedance</b>	325	862	445	239	219	210	209	201	202	315	663	521
<b>90% Exceedance</b>	302	535	248	222	213	204	205	192	198	243	382	326
<b>Full Simulation Period Average<sup>a</sup></b>	1,321	1,470	1,361	729	358	261	245	296	410	773	1,174	1,506
<b>Wet Water Years (32%)</b>	328	753	1,116	293	236	222	212	201	214	319	580	463
<b>Above Normal Years (15%)</b>	392	1,046	1,353	565	271	227	217	209	261	432	760	600
<b>Below Normal Years (17%)</b>	2,241	1,865	1,326	741	286	234	228	246	324	774	1,533	2,452
<b>Dry Water Years (22%)</b>	2,183	2,000	1,407	1,024	434	265	243	310	468	1,196	1,595	2,287
<b>Critical Water Years (15%)</b>	2,039	2,190	1,874	1,384	681	405	366	628	998	1,463	1,826	2,394

**Table 6B1-12-1c. San Joaquin River at Jersey Point, Alternative 1A 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-154	-111	-25	59	-2	1	3	-6	3	-17	33	-56
<b>20% Exceedance</b>	-24	28	-31	29	-2	1	1	-2	3	32	5	-22
<b>30% Exceedance</b>	-8	60	-38	4	3	2	2	1	-2	28	-8	-33
<b>40% Exceedance</b>	35	113	22	-20	-7	0	1	0	1	35	39	-21
<b>50% Exceedance</b>	9	71	13	10	0	1	0	0	0	-1	48	-34
<b>60% Exceedance</b>	-26	30	-19	16	1	0	0	0	0	0	-47	-59
<b>70% Exceedance</b>	-13	-19	55	9	1	2	0	0	0	2	-27	-48
<b>80% Exceedance</b>	-14	-13	-3	0	0	1	2	0	0	0	-31	-40
<b>90% Exceedance</b>	-13	24	8	1	0	0	0	0	0	0	-25	-7
<b>Full Simulation Period Average<sup>a</sup></b>	-5	18	2	1	4	1	1	-1	-3	15	5	-28
<b>Wet Water Years (32%)</b>	-7	-2	6	4	1	0	0	0	0	0	-23	-30
<b>Above Normal Years (15%)</b>	-19	-29	7	8	2	1	-1	0	0	0	-29	-39
<b>Below Normal Years (17%)</b>	-58	121	22	-35	-2	1	0	0	0	0	-24	-78
<b>Dry Water Years (22%)</b>	35	10	-34	21	8	2	1	-1	-2	45	47	-15
<b>Critical Water Years (15%)</b>	14	-2	16	-1	11	5	2	-7	-15	34	66	27

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-12-2a. San Joaquin River at Jersey Point, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	2,478	2,417	2,282	1,523	620	361	323	467	584	1,502	1,773	2,640
<b>20% Exceedance</b>	2,254	2,149	2,181	1,292	418	277	248	373	509	1,181	1,676	2,483
<b>30% Exceedance</b>	2,169	2,005	2,049	992	320	250	231	279	447	894	1,580	2,353
<b>40% Exceedance</b>	2,011	1,762	1,674	787	300	238	225	230	361	809	1,446	2,258
<b>50% Exceedance</b>	1,564	1,293	1,465	445	268	231	221	218	284	621	1,228	1,985
<b>60% Exceedance</b>	407	1,044	1,181	324	252	227	216	212	239	479	957	751
<b>70% Exceedance</b>	365	954	604	269	235	216	212	205	217	392	785	659
<b>80% Exceedance</b>	339	876	448	239	219	209	207	201	202	315	693	561
<b>90% Exceedance</b>	316	511	240	222	213	204	205	192	198	242	407	333
<b>Full Simulation Period Average<sup>a</sup></b>	1,327	1,452	1,360	728	355	260	244	297	413	758	1,169	1,534
<b>Wet Water Years (32%)</b>	335	755	1,110	289	235	222	212	201	214	318	602	493
<b>Above Normal Years (15%)</b>	411	1,075	1,345	557	269	226	218	209	262	433	789	639
<b>Below Normal Years (17%)</b>	2,298	1,744	1,304	776	288	233	227	245	324	774	1,556	2,531
<b>Dry Water Years (22%)</b>	2,148	1,990	1,440	1,003	426	263	243	311	469	1,150	1,547	2,303
<b>Critical Water Years (15%)</b>	2,025	2,191	1,857	1,385	670	400	364	635	1,013	1,429	1,760	2,368

**Table 6B1-12-2b. San Joaquin River at Jersey Point, Alternative 1B 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	2,357	2,379	2,260	1,581	619	392	334	466	586	1,496	1,805	2,584
<b>20% Exceedance</b>	2,238	2,188	2,163	1,299	415	279	249	373	508	1,206	1,674	2,485
<b>30% Exceedance</b>	2,176	2,083	2,004	952	322	251	232	285	447	923	1,577	2,310
<b>40% Exceedance</b>	2,041	1,879	1,696	765	300	238	226	230	364	847	1,483	2,232
<b>50% Exceedance</b>	1,573	1,371	1,468	455	268	232	221	218	286	621	1,264	1,954
<b>60% Exceedance</b>	381	1,057	1,192	340	253	227	216	212	239	480	911	695
<b>70% Exceedance</b>	354	940	657	278	237	218	213	205	216	396	761	612
<b>80% Exceedance</b>	322	848	467	240	220	210	209	201	202	315	663	521
<b>90% Exceedance</b>	299	536	248	222	213	204	205	192	198	243	390	325
<b>Full Simulation Period Average<sup>a</sup></b>	1,324	1,491	1,364	729	358	262	245	297	412	773	1,172	1,508
<b>Wet Water Years (32%)</b>	329	755	1,118	293	236	222	212	200	213	319	582	465
<b>Above Normal Years (15%)</b>	390	1,043	1,350	564	271	227	217	209	262	433	760	598
<b>Below Normal Years (17%)</b>	2,253	1,885	1,333	778	289	234	228	246	325	775	1,531	2,462
<b>Dry Water Years (22%)</b>	2,184	2,076	1,414	988	431	265	243	311	471	1,198	1,587	2,287
<b>Critical Water Years (15%)</b>	2,041	2,197	1,870	1,390	682	413	369	629	1,002	1,456	1,820	2,396

**Table 6B1-12-2c. San Joaquin River at Jersey Point, Alternative 1B 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-121	-38	-22	57	-1	31	11	-1	3	-5	32	-56
<b>20% Exceedance</b>	-15	39	-18	7	-2	2	1	0	-1	24	-2	3
<b>30% Exceedance</b>	8	79	-46	-39	2	1	2	6	0	29	-3	-43
<b>40% Exceedance</b>	29	117	22	-22	1	0	1	1	3	37	37	-25
<b>50% Exceedance</b>	9	78	3	10	0	1	0	0	1	0	36	-31
<b>60% Exceedance</b>	-26	13	10	16	1	0	0	0	0	0	-46	-56
<b>70% Exceedance</b>	-11	-14	54	9	1	2	0	0	-1	3	-24	-47
<b>80% Exceedance</b>	-17	-27	19	1	1	0	2	0	0	0	-31	-40
<b>90% Exceedance</b>	-17	25	9	1	0	0	0	0	0	0	-18	-8
<b>Full Simulation Period Average<sup>a</sup></b>	-3	39	4	0	4	3	1	-1	-1	15	2	-26
<b>Wet Water Years (32%)</b>	-6	0	8	4	1	0	0	0	-1	1	-20	-27
<b>Above Normal Years (15%)</b>	-21	-32	4	7	2	1	-1	0	1	0	-29	-41
<b>Below Normal Years (17%)</b>	-45	141	29	2	1	1	0	0	2	1	-25	-69
<b>Dry Water Years (22%)</b>	36	86	-26	-15	5	2	1	0	1	48	40	-16
<b>Critical Water Years (15%)</b>	16	5	13	6	12	13	5	-5	-10	27	60	28

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-12-3a. San Joaquin River at Jersey Point, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	2,478	2,417	2,282	1,523	620	361	323	467	584	1,502	1,773	2,640
<b>20% Exceedance</b>	2,254	2,149	2,181	1,292	418	277	248	373	509	1,181	1,676	2,483
<b>30% Exceedance</b>	2,169	2,005	2,049	992	320	250	231	279	447	894	1,580	2,353
<b>40% Exceedance</b>	2,011	1,762	1,674	787	300	238	225	230	361	809	1,446	2,258
<b>50% Exceedance</b>	1,564	1,293	1,465	445	268	231	221	218	284	621	1,228	1,985
<b>60% Exceedance</b>	407	1,044	1,181	324	252	227	216	212	239	479	957	751
<b>70% Exceedance</b>	365	954	604	269	235	216	212	205	217	392	785	659
<b>80% Exceedance</b>	339	876	448	239	219	209	207	201	202	315	693	561
<b>90% Exceedance</b>	316	511	240	222	213	204	205	192	198	242	407	333
<b>Full Simulation Period Average<sup>a</sup></b>	1,327	1,452	1,360	728	355	260	244	297	413	758	1,169	1,534
<b>Wet Water Years (32%)</b>	335	755	1,110	289	235	222	212	201	214	318	602	493
<b>Above Normal Years (15%)</b>	411	1,075	1,345	557	269	226	218	209	262	433	789	639
<b>Below Normal Years (17%)</b>	2,298	1,744	1,304	776	288	233	227	245	324	774	1,556	2,531
<b>Dry Water Years (22%)</b>	2,148	1,990	1,440	1,003	426	263	243	311	469	1,150	1,547	2,303
<b>Critical Water Years (15%)</b>	2,025	2,191	1,857	1,385	670	400	364	635	1,013	1,429	1,760	2,368

**Table 6B1-12-3b. San Joaquin River at Jersey Point, Alternative 2 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	2,308	2,351	2,248	1,555	619	362	326	461	587	1,472	1,801	2,532
<b>20% Exceedance</b>	2,224	2,169	2,112	1,318	416	278	249	371	512	1,213	1,674	2,445
<b>30% Exceedance</b>	2,129	2,073	2,026	995	323	251	232	280	444	922	1,593	2,302
<b>40% Exceedance</b>	2,039	1,874	1,695	765	292	238	226	230	362	844	1,478	2,190
<b>50% Exceedance</b>	1,573	1,371	1,480	455	268	232	221	219	284	629	1,285	1,978
<b>60% Exceedance</b>	384	1,066	1,160	339	253	227	216	212	239	479	910	692
<b>70% Exceedance</b>	348	932	658	278	237	217	212	205	217	392	759	611
<b>80% Exceedance</b>	321	859	445	239	219	210	209	201	202	315	663	521
<b>90% Exceedance</b>	302	534	247	222	213	204	205	192	198	243	382	326
<b>Full Simulation Period Average<sup>a</sup></b>	1,309	1,466	1,358	727	357	261	245	296	410	773	1,167	1,495
<b>Wet Water Years (32%)</b>	327	750	1,115	293	236	222	212	201	214	319	580	463
<b>Above Normal Years (15%)</b>	389	1,041	1,351	565	271	227	217	209	261	432	755	595
<b>Below Normal Years (17%)</b>	2,230	1,858	1,324	741	286	234	228	245	324	776	1,532	2,444
<b>Dry Water Years (22%)</b>	2,158	1,992	1,406	1,011	431	265	243	310	468	1,195	1,595	2,283
<b>Critical Water Years (15%)</b>	2,007	2,195	1,856	1,385	679	405	366	628	999	1,460	1,786	2,339

**Table 6B1-12-3c. San Joaquin River at Jersey Point, Alternative 2 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-171	-66	-34	32	-1	1	3	-6	3	-30	28	-108
<b>20% Exceedance</b>	-30	21	-68	26	-2	1	1	-2	3	32	-2	-38
<b>30% Exceedance</b>	-40	68	-24	3	3	1	2	1	-2	28	13	-51
<b>40% Exceedance</b>	28	112	22	-22	-7	0	1	0	1	35	32	-67
<b>50% Exceedance</b>	9	79	15	10	0	1	0	0	0	8	57	-7
<b>60% Exceedance</b>	-23	22	-21	16	1	0	0	0	0	0	-47	-59
<b>70% Exceedance</b>	-17	-23	54	9	1	1	0	0	0	0	-27	-48
<b>80% Exceedance</b>	-18	-16	-3	0	0	1	2	0	0	0	-31	-40
<b>90% Exceedance</b>	-13	23	8	1	0	0	0	0	0	0	-25	-7
<b>Full Simulation Period Average<sup>a</sup></b>	-18	14	-2	-2	3	1	1	-1	-2	15	-2	-39
<b>Wet Water Years (32%)</b>	-9	-5	5	4	1	0	0	0	0	0	-23	-29
<b>Above Normal Years (15%)</b>	-22	-34	5	8	2	1	-1	0	0	0	-34	-44
<b>Below Normal Years (17%)</b>	-69	114	20	-35	-2	1	0	0	0	2	-24	-86
<b>Dry Water Years (22%)</b>	10	2	-34	8	5	1	1	-1	-2	45	48	-20
<b>Critical Water Years (15%)</b>	-18	3	-1	1	10	5	2	-7	-14	31	26	-29

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-12-4a. San Joaquin River at Jersey Point, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	2,478	2,417	2,282	1,523	620	361	323	467	584	1,502	1,773	2,640
<b>20% Exceedance</b>	2,254	2,149	2,181	1,292	418	277	248	373	509	1,181	1,676	2,483
<b>30% Exceedance</b>	2,169	2,005	2,049	992	320	250	231	279	447	894	1,580	2,353
<b>40% Exceedance</b>	2,011	1,762	1,674	787	300	238	225	230	361	809	1,446	2,258
<b>50% Exceedance</b>	1,564	1,293	1,465	445	268	231	221	218	284	621	1,228	1,985
<b>60% Exceedance</b>	407	1,044	1,181	324	252	227	216	212	239	479	957	751
<b>70% Exceedance</b>	365	954	604	269	235	216	212	205	217	392	785	659
<b>80% Exceedance</b>	339	876	448	239	219	209	207	201	202	315	693	561
<b>90% Exceedance</b>	316	511	240	222	213	204	205	192	198	242	407	333
<b>Full Simulation Period Average<sup>a</sup></b>	1,327	1,452	1,360	728	355	260	244	297	413	758	1,169	1,534
<b>Wet Water Years (32%)</b>	335	755	1,110	289	235	222	212	201	214	318	602	493
<b>Above Normal Years (15%)</b>	411	1,075	1,345	557	269	226	218	209	262	433	789	639
<b>Below Normal Years (17%)</b>	2,298	1,744	1,304	776	288	233	227	245	324	774	1,556	2,531
<b>Dry Water Years (22%)</b>	2,148	1,990	1,440	1,003	426	263	243	311	469	1,150	1,547	2,303
<b>Critical Water Years (15%)</b>	2,025	2,191	1,857	1,385	670	400	364	635	1,013	1,429	1,760	2,368

**Table 6B1-12-4b. San Joaquin River at Jersey Point, Alternative 3 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	2,395	2,413	2,270	1,578	627	373	336	472	589	1,475	1,799	2,537
<b>20% Exceedance</b>	2,195	2,184	2,167	1,295	439	280	248	372	508	1,216	1,680	2,467
<b>30% Exceedance</b>	2,112	2,055	2,069	996	325	251	232	285	455	926	1,556	2,301
<b>40% Exceedance</b>	2,008	1,829	1,697	806	288	238	226	230	368	846	1,504	2,260
<b>50% Exceedance</b>	1,380	1,278	1,485	458	268	231	222	218	285	623	1,263	1,972
<b>60% Exceedance</b>	384	979	1,175	336	253	228	216	211	239	482	911	694
<b>70% Exceedance</b>	353	925	628	274	237	218	212	205	217	393	753	617
<b>80% Exceedance</b>	322	854	443	240	220	211	209	201	202	316	639	520
<b>90% Exceedance</b>	295	482	246	222	213	204	205	194	198	243	390	324
<b>Full Simulation Period Average<sup>a</sup></b>	1,287	1,445	1,360	734	359	262	245	297	412	772	1,167	1,504
<b>Wet Water Years (32%)</b>	333	762	1,124	292	236	222	212	201	213	319	581	463
<b>Above Normal Years (15%)</b>	407	1,025	1,328	578	273	227	218	209	263	434	751	596
<b>Below Normal Years (17%)</b>	2,031	1,614	1,296	750	288	234	228	245	327	773	1,525	2,463
<b>Dry Water Years (22%)</b>	2,166	2,082	1,438	1,022	439	265	243	311	472	1,201	1,590	2,286
<b>Critical Water Years (15%)</b>	2,050	2,193	1,864	1,398	673	412	369	630	999	1,447	1,804	2,379

**Table 6B1-12-4c. San Joaquin River at Jersey Point, Alternative 3 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-83	-4	-11	55	7	12	13	5	5	-27	26	-102
<b>20% Exceedance</b>	-59	36	-13	3	21	3	0	-1	-1	35	4	-16
<b>30% Exceedance</b>	-57	51	20	4	5	2	1	6	8	32	-24	-52
<b>40% Exceedance</b>	-3	68	23	19	-12	0	1	0	7	36	58	3
<b>50% Exceedance</b>	-185	-15	19	12	0	1	1	0	1	2	35	-13
<b>60% Exceedance</b>	-23	-65	-7	12	1	1	0	-1	0	2	-46	-57
<b>70% Exceedance</b>	-11	-29	25	4	2	2	0	0	0	1	-33	-42
<b>80% Exceedance</b>	-17	-22	-5	1	1	2	2	0	0	1	-54	-41
<b>90% Exceedance</b>	-20	-29	7	1	0	0	0	2	0	0	-18	-9
<b>Full Simulation Period Average<sup>a</sup></b>	-39	-7	1	6	4	3	1	-1	-1	14	-2	-29
<b>Wet Water Years (32%)</b>	-2	8	13	3	1	1	1	0	-1	1	-21	-29
<b>Above Normal Years (15%)</b>	-4	-50	-18	22	4	1	0	0	1	2	-38	-43
<b>Below Normal Years (17%)</b>	-268	-130	-8	-26	1	1	0	0	3	-1	-31	-68
<b>Dry Water Years (22%)</b>	18	92	-2	18	13	1	0	0	3	51	43	-17
<b>Critical Water Years (15%)</b>	25	2	7	13	3	12	5	-5	-14	18	44	11

<sup>a</sup> Based on the 82-year simulation period.

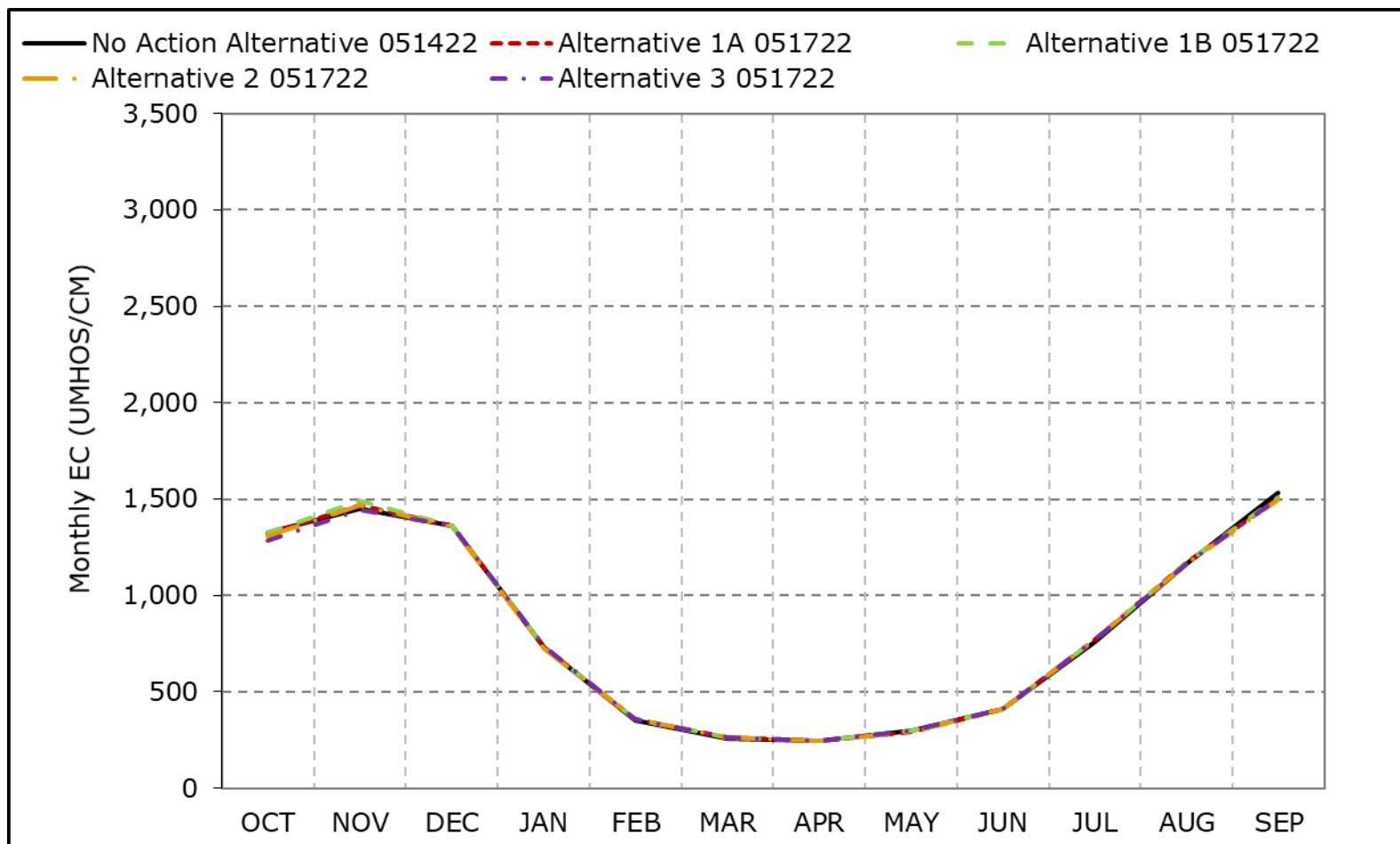
\* All scenarios are simulated at current climate condition and 0 cm sea level rise.

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

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



**Figure 6B1-12-1. San Joaquin River at Jersey Point, Long-Term Average EC**

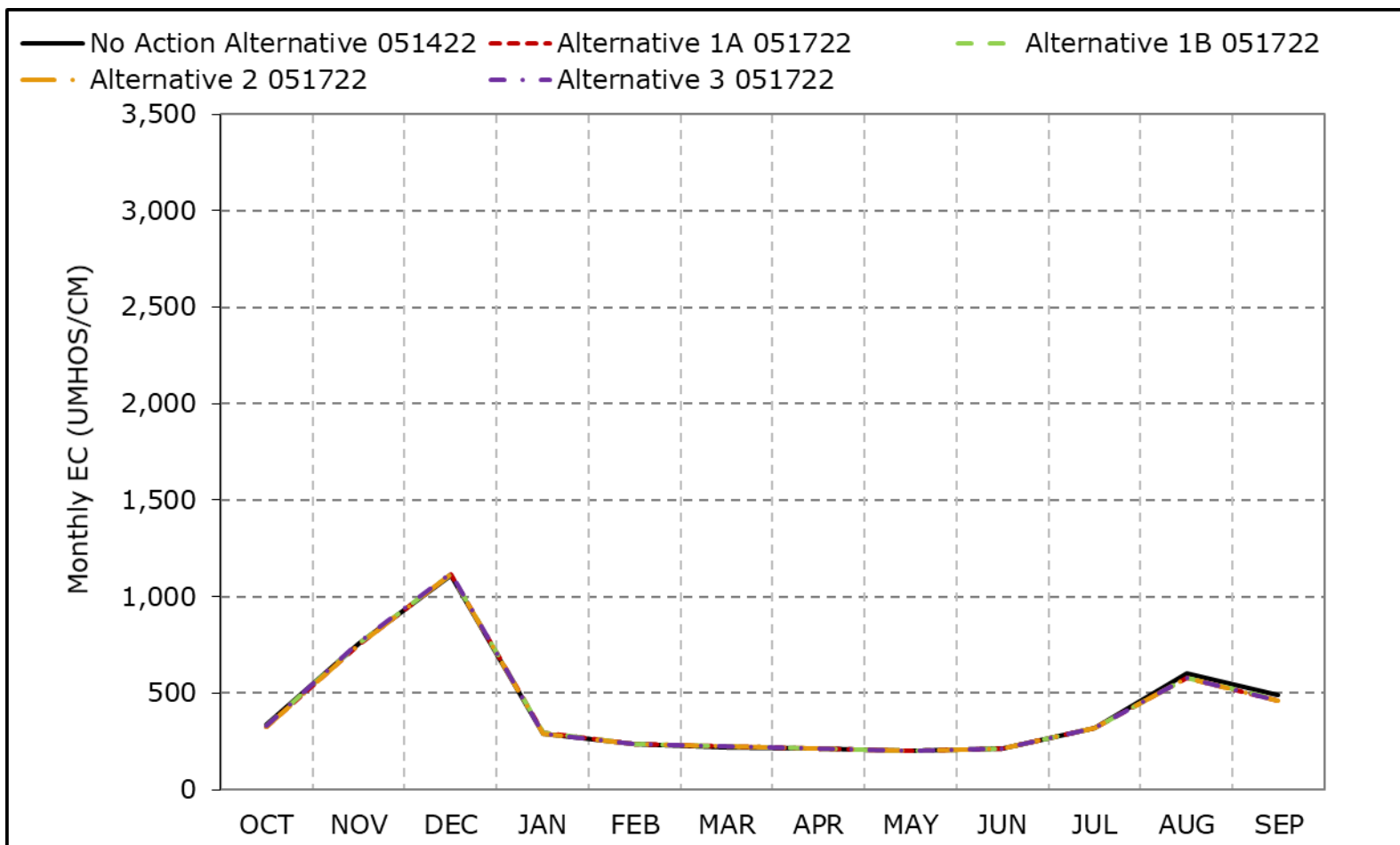


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-12-2. San Joaquin River at Jersey Point, Wet Year Average EC**

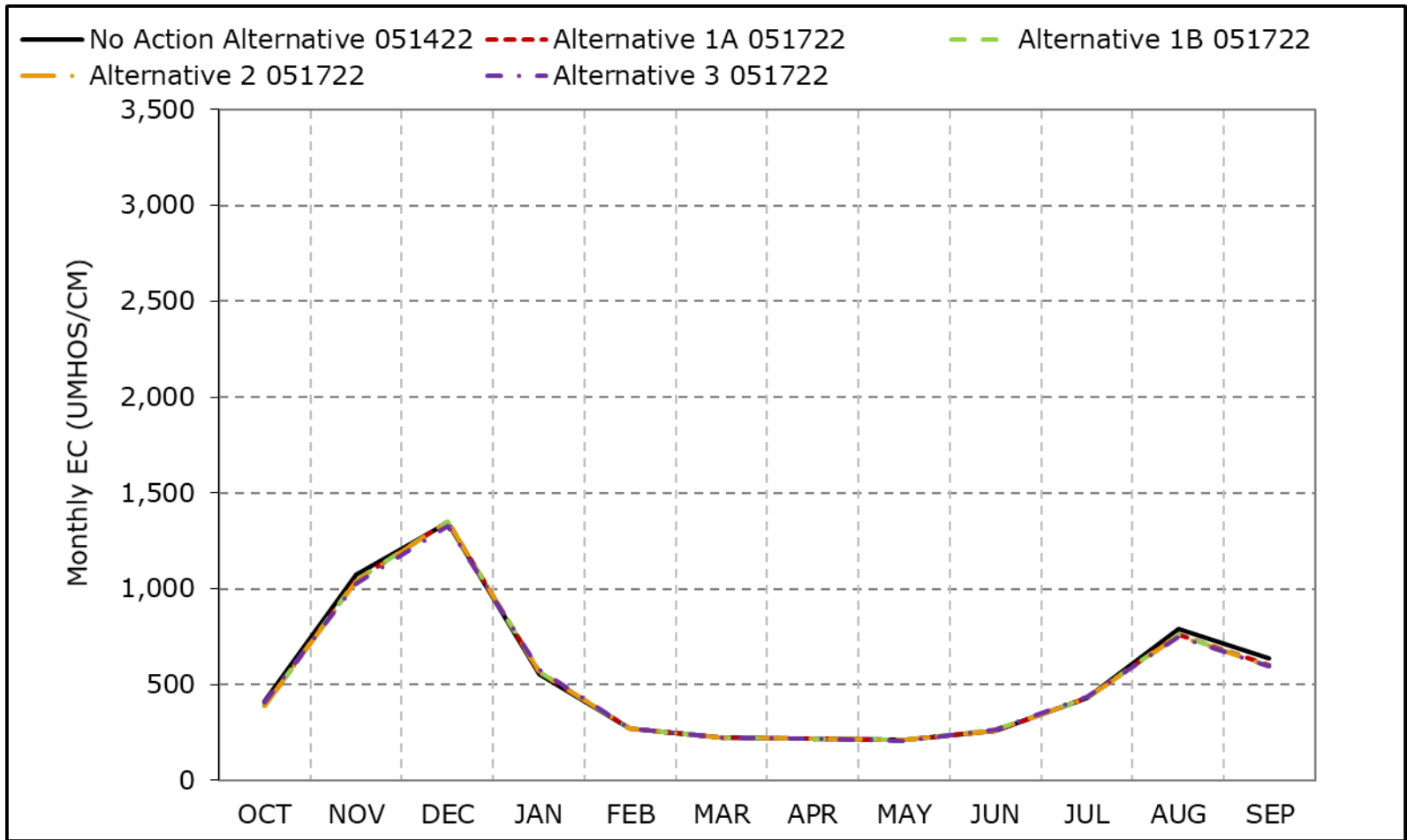


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-12-3. San Joaquin River at Jersey Point, Above Normal Year Average EC**

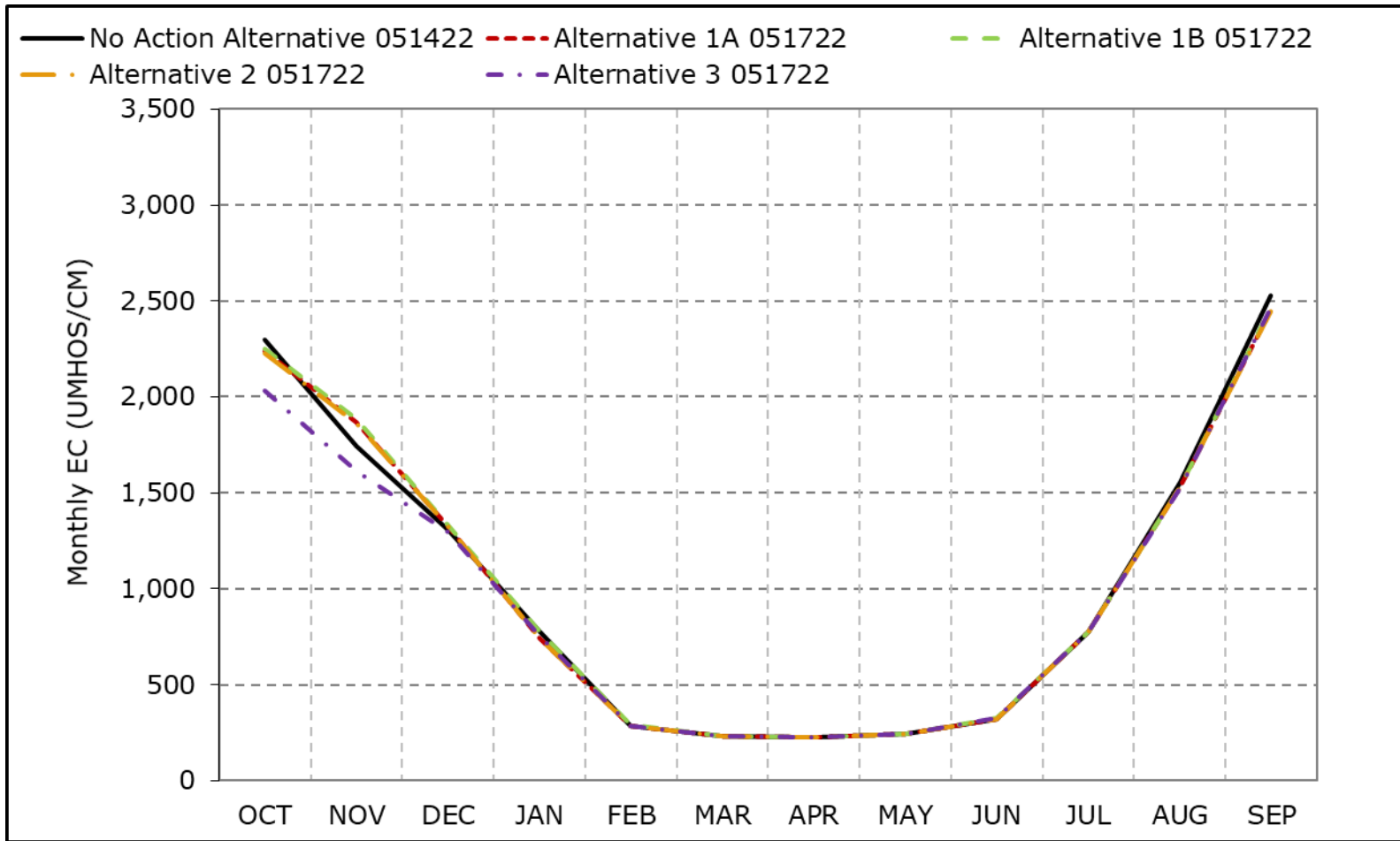


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-12-4. San Joaquin River at Jersey Point, Below Normal Year Average EC**

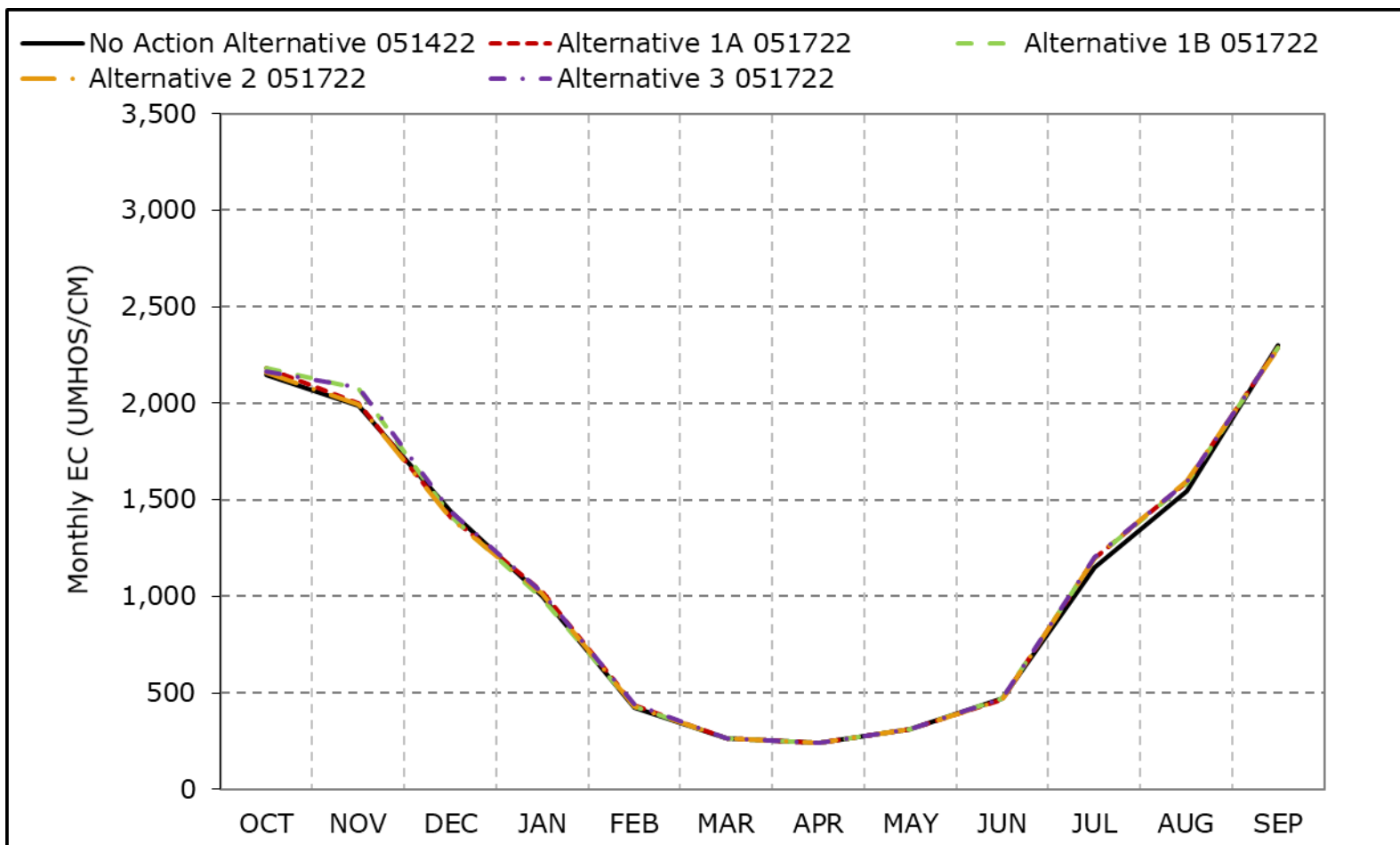


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-12-5. San Joaquin River at Jersey Point, Dry Year Average EC**

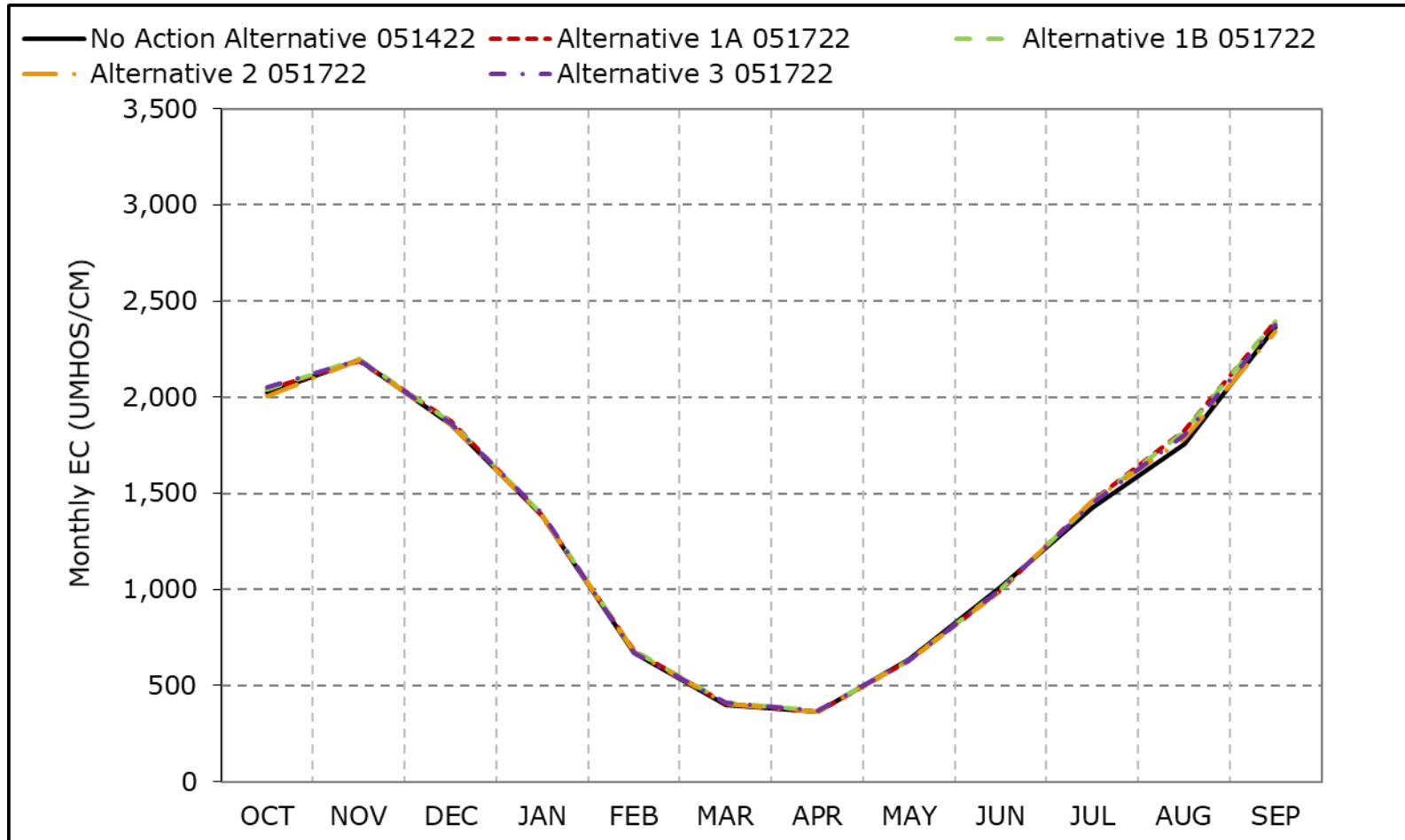


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-12-6. San Joaquin River at Jersey Point, Critical Year Average EC**

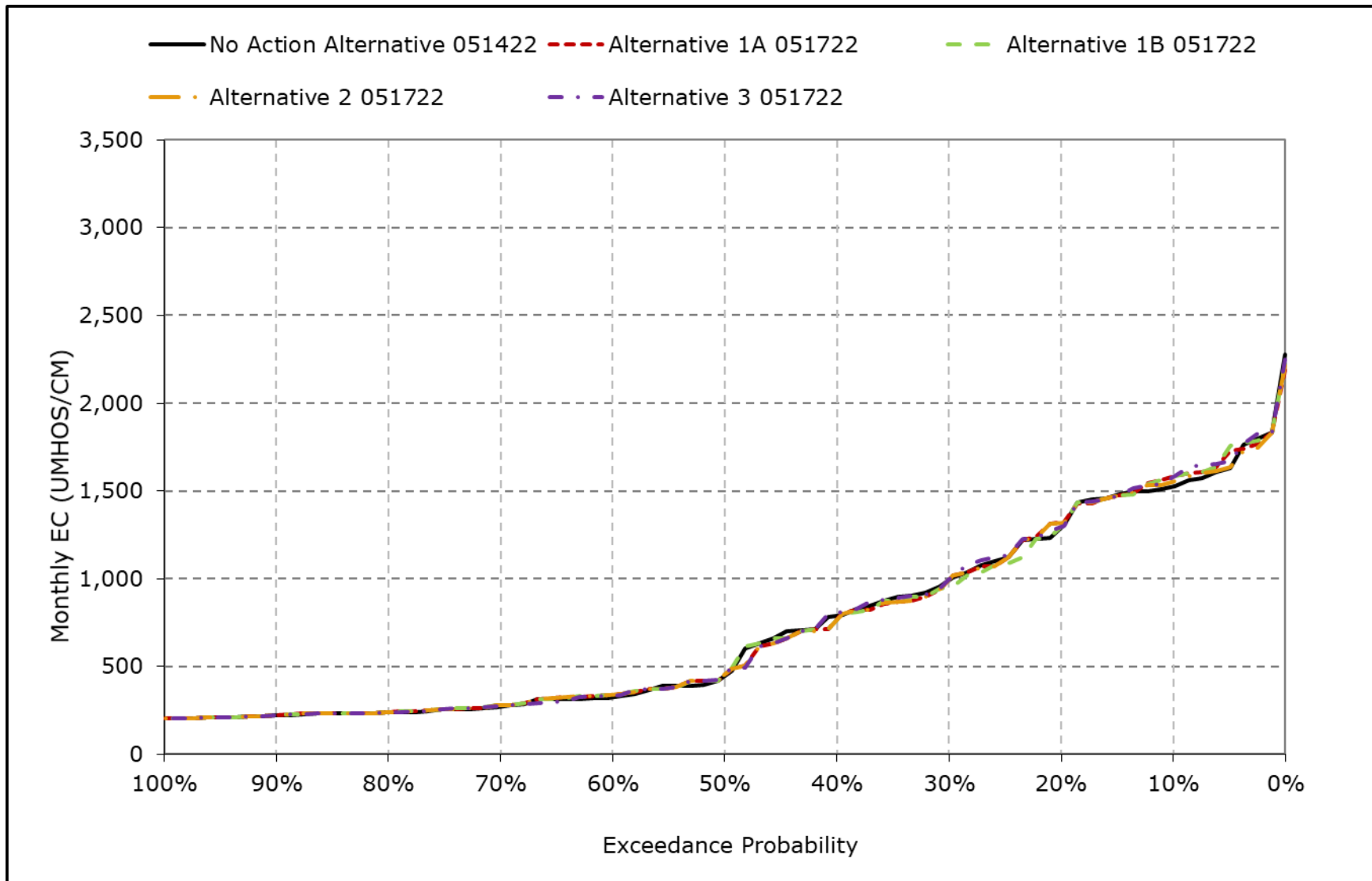


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

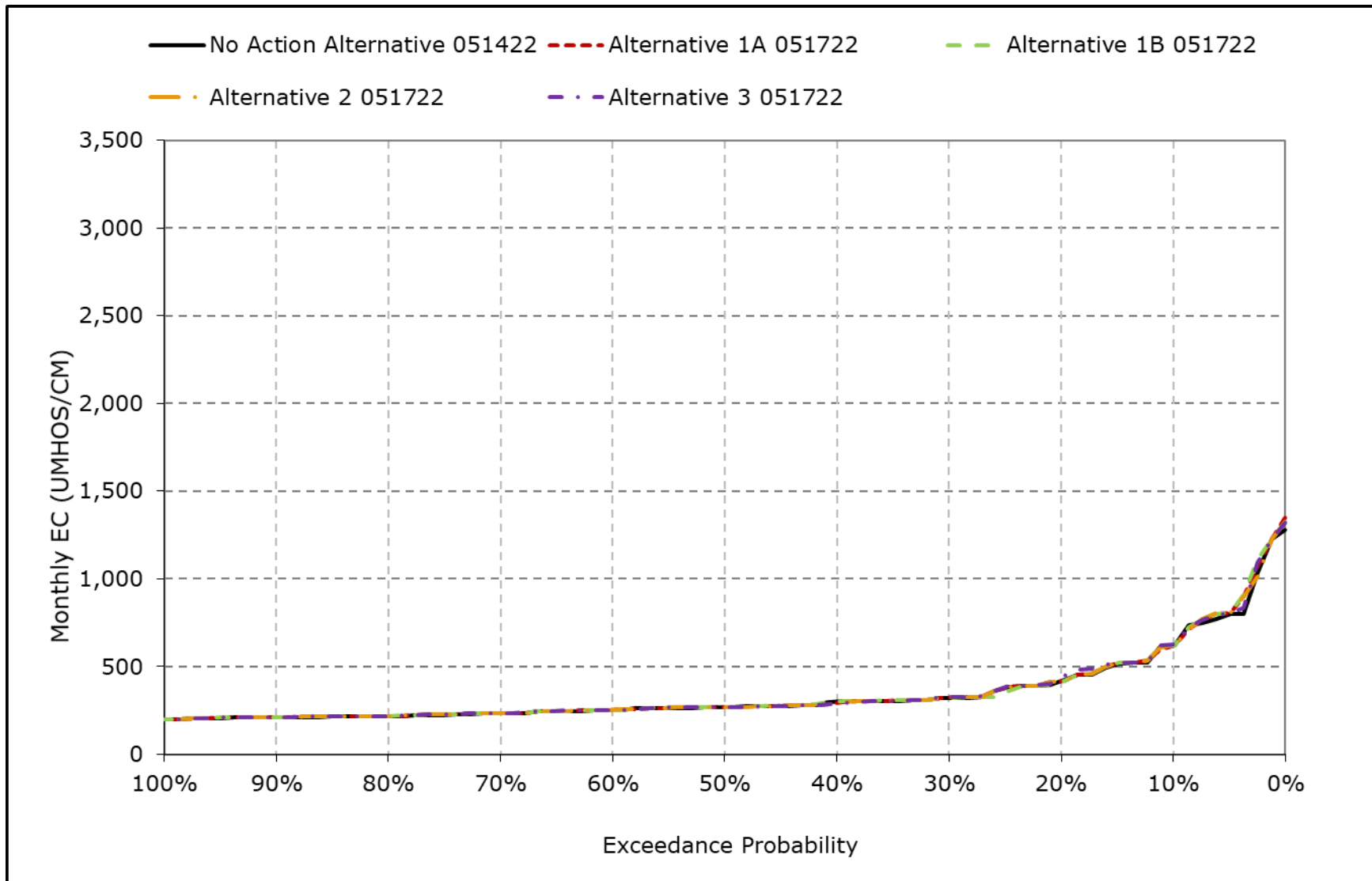
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-12-7. San Joaquin River at Jersey Point Salinity, January EC**



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

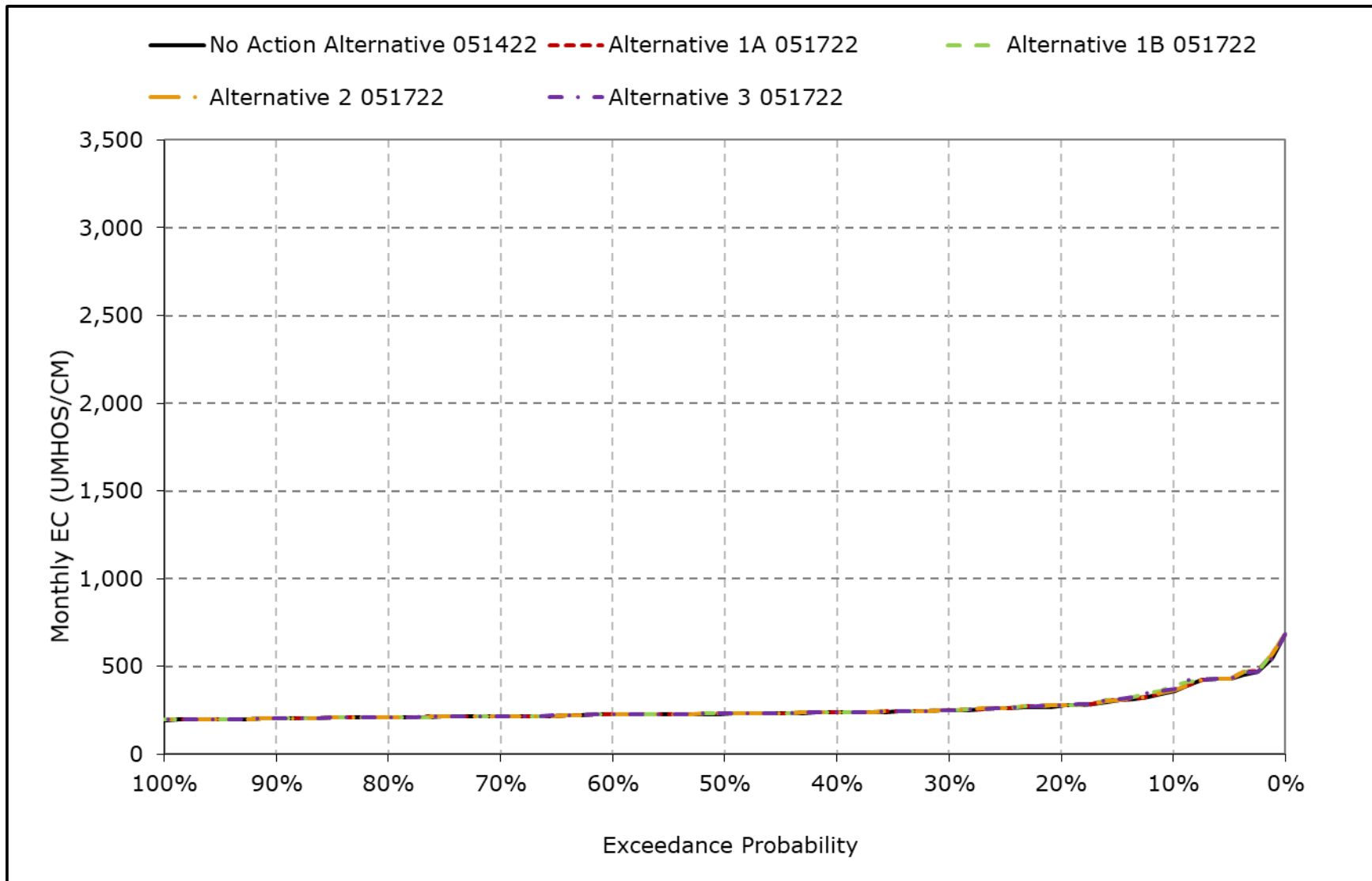
**Figure 6B1-12-8. San Joaquin River at Jersey Point Salinity, February EC**



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

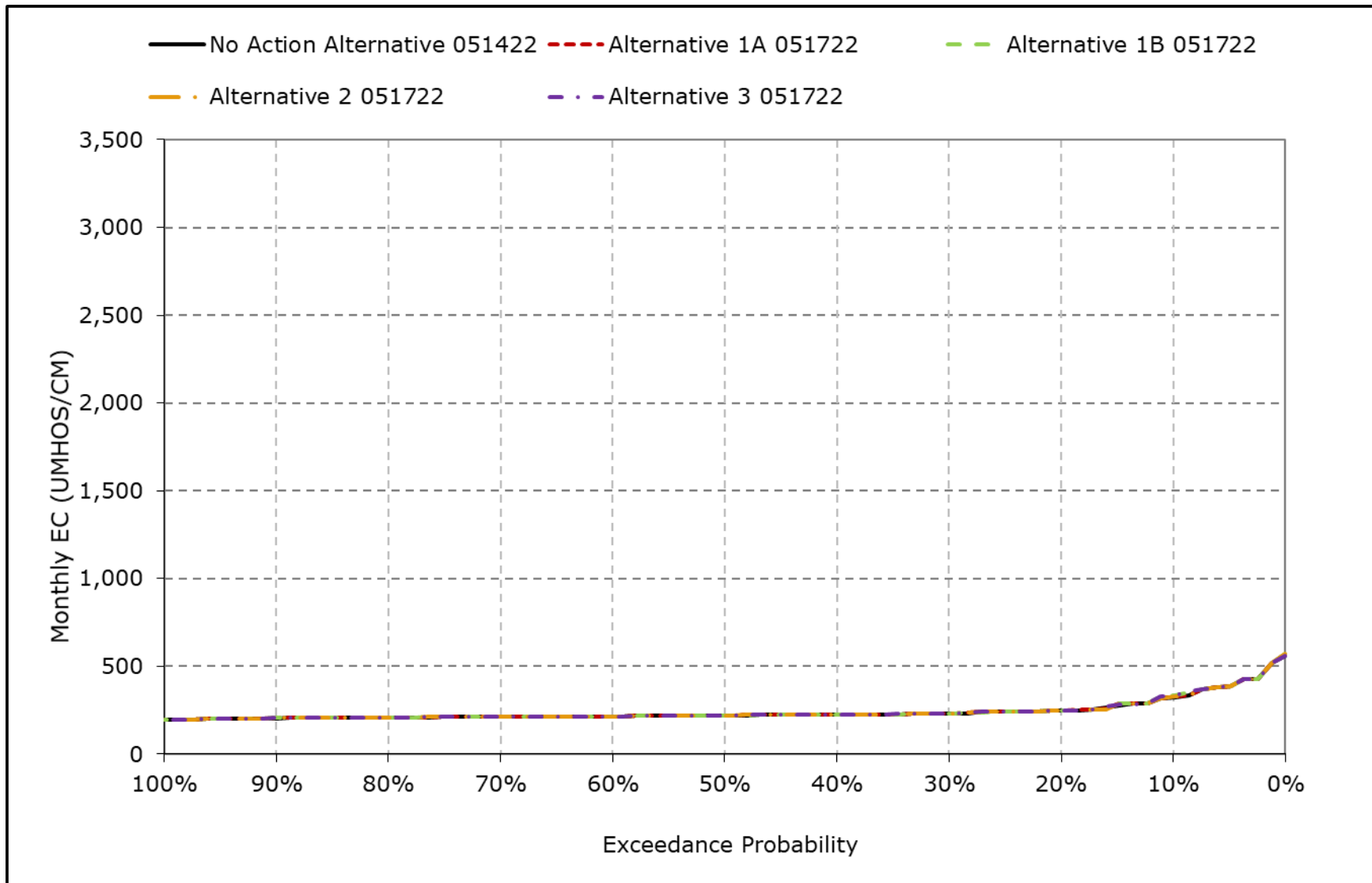


**Figure 6B1-12-9. San Joaquin River at Jersey Point Salinity, March EC**



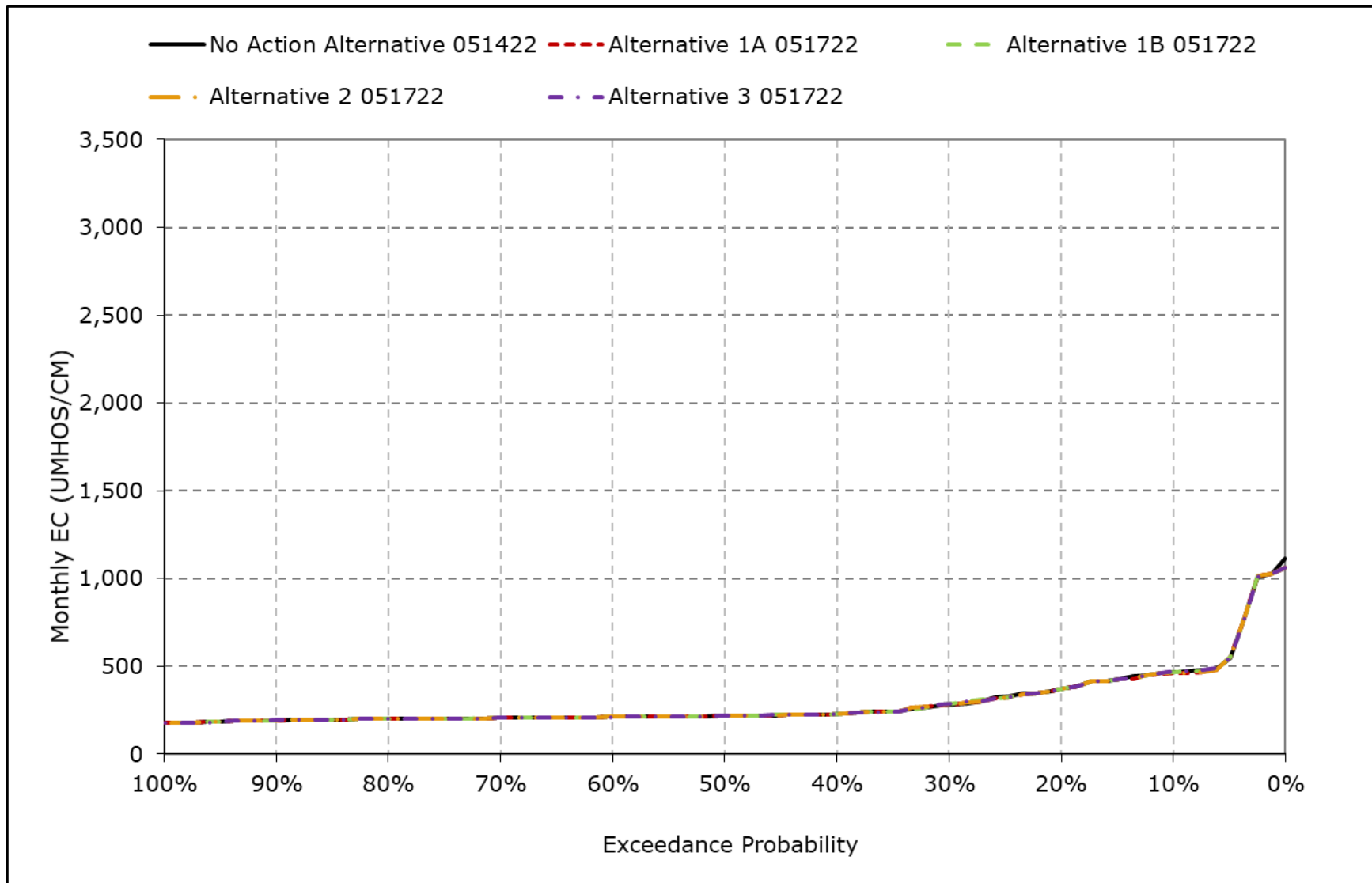
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-12-10. San Joaquin River at Jersey Point Salinity, April EC**



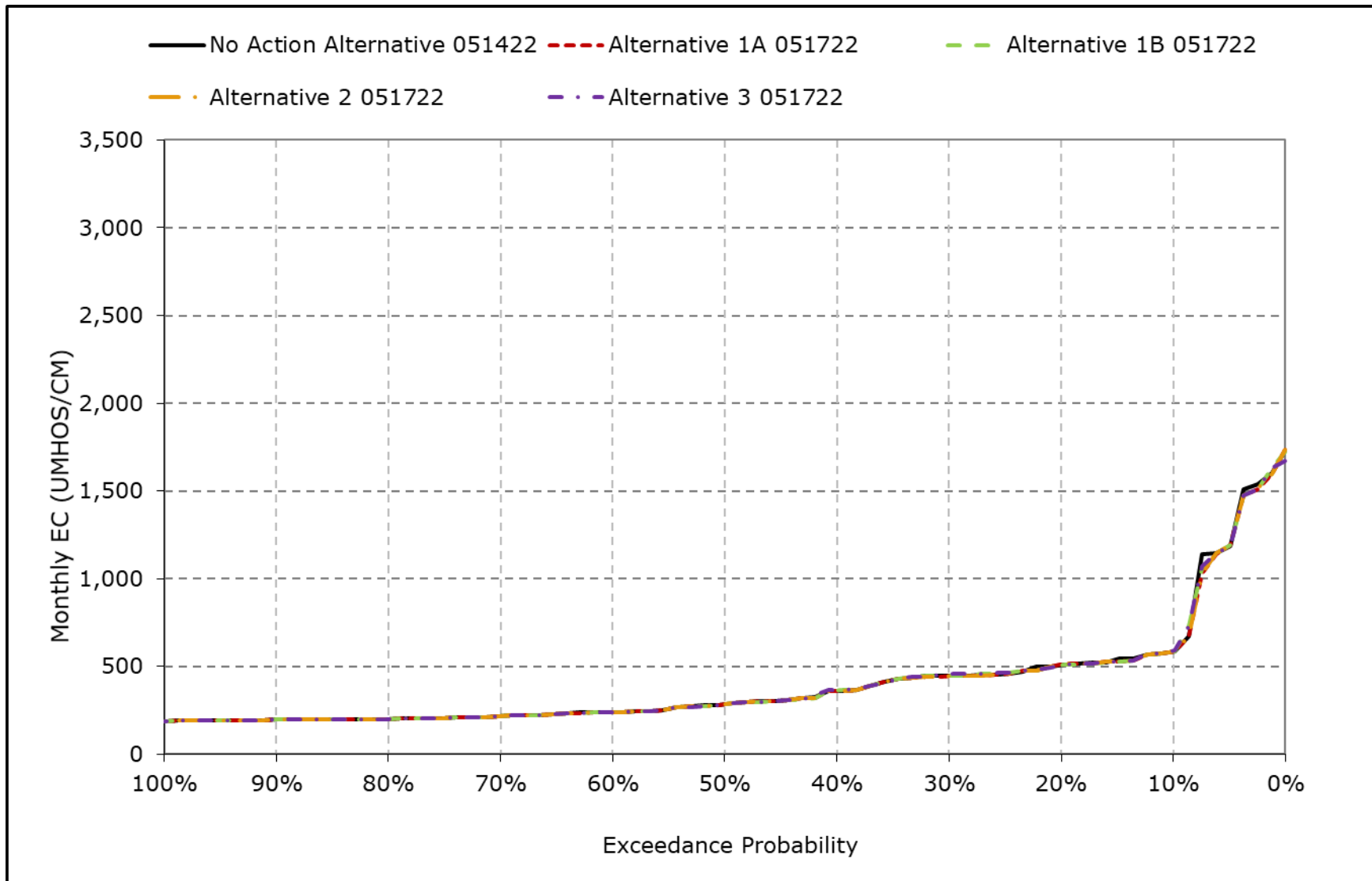
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-12-11. San Joaquin River at Jersey Point Salinity, May EC**



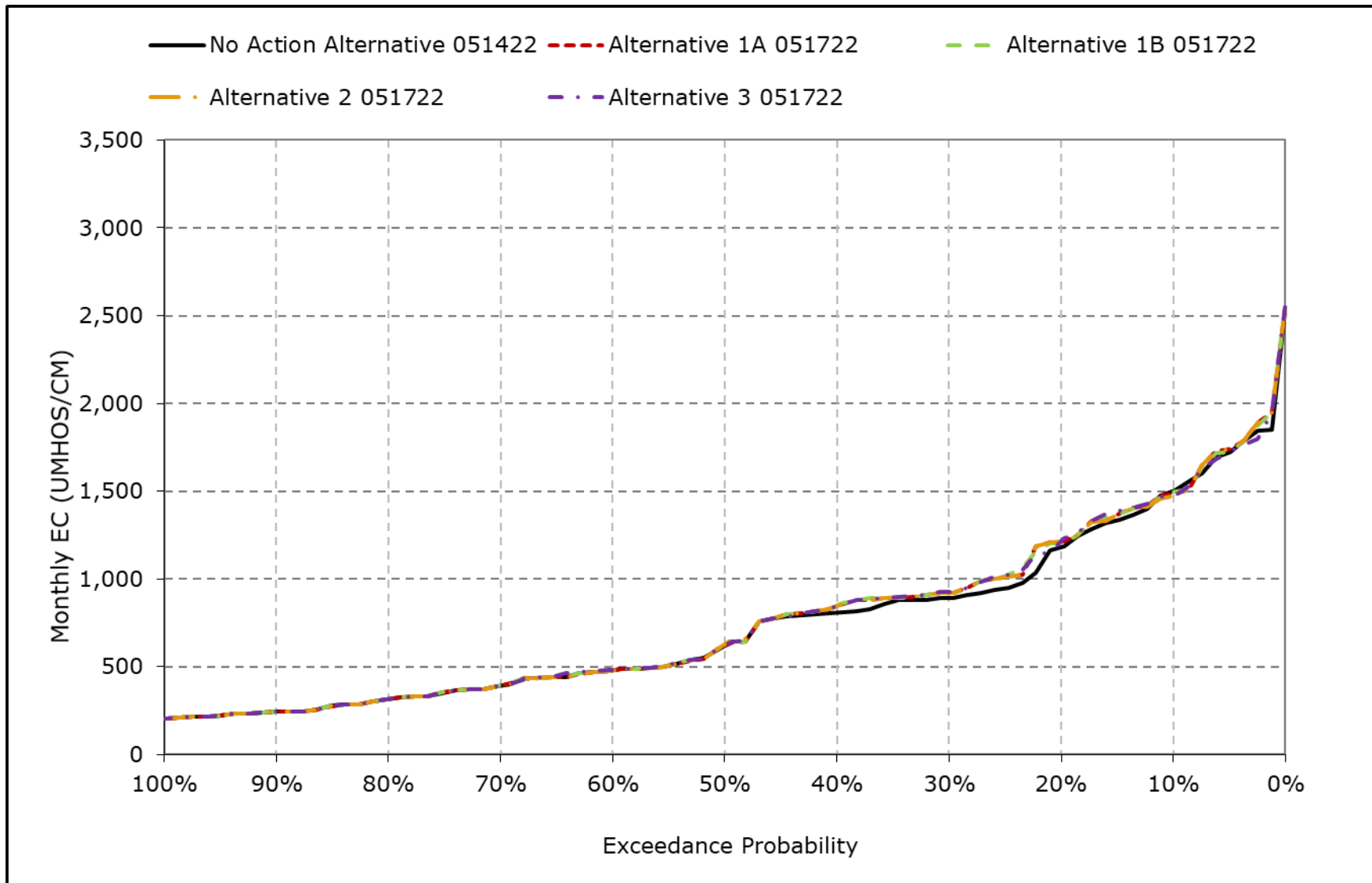
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-12-12. San Joaquin River at Jersey Point Salinity, June EC**



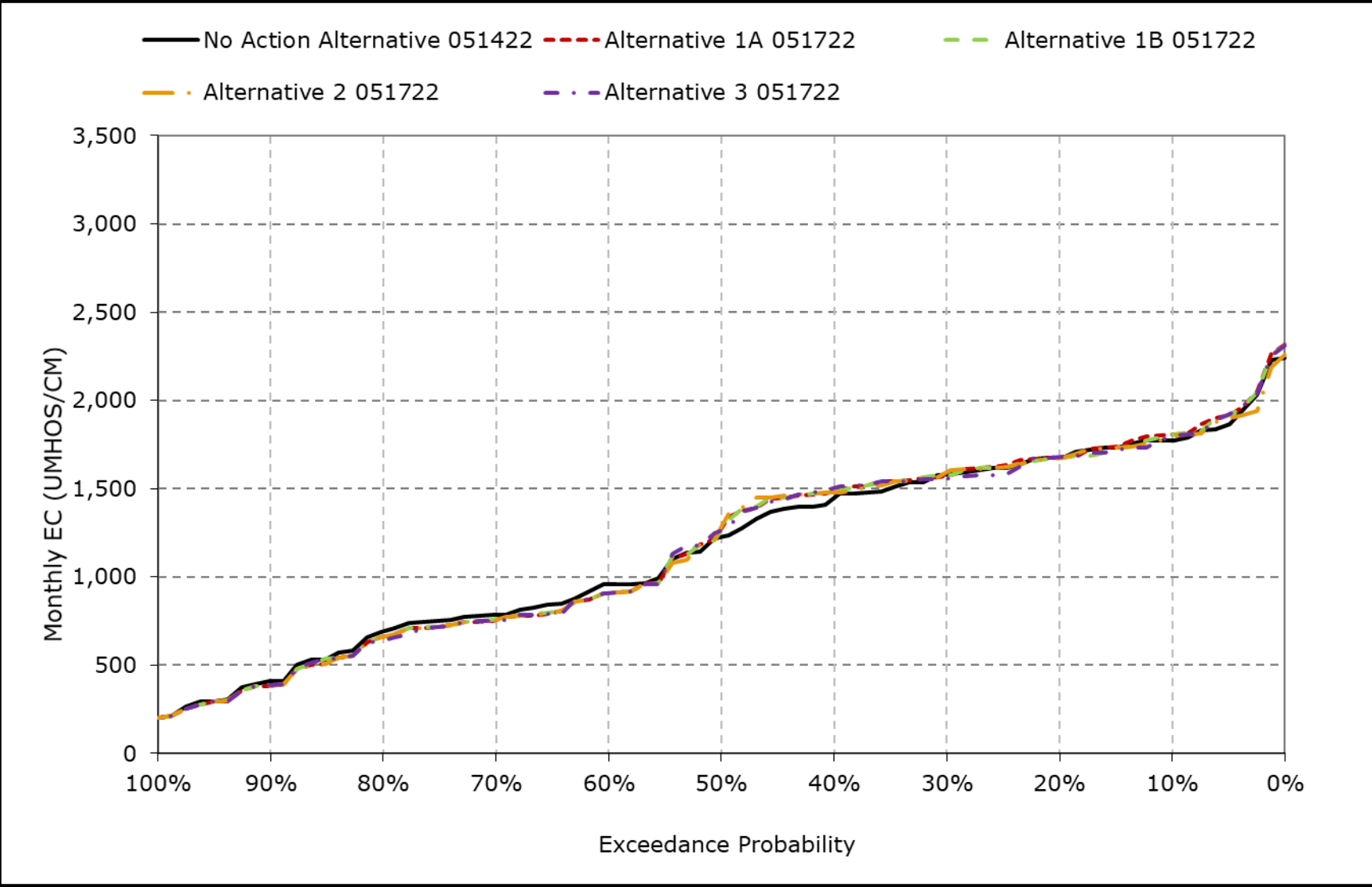
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-12-13. San Joaquin River at Jersey Point Salinity, July EC**



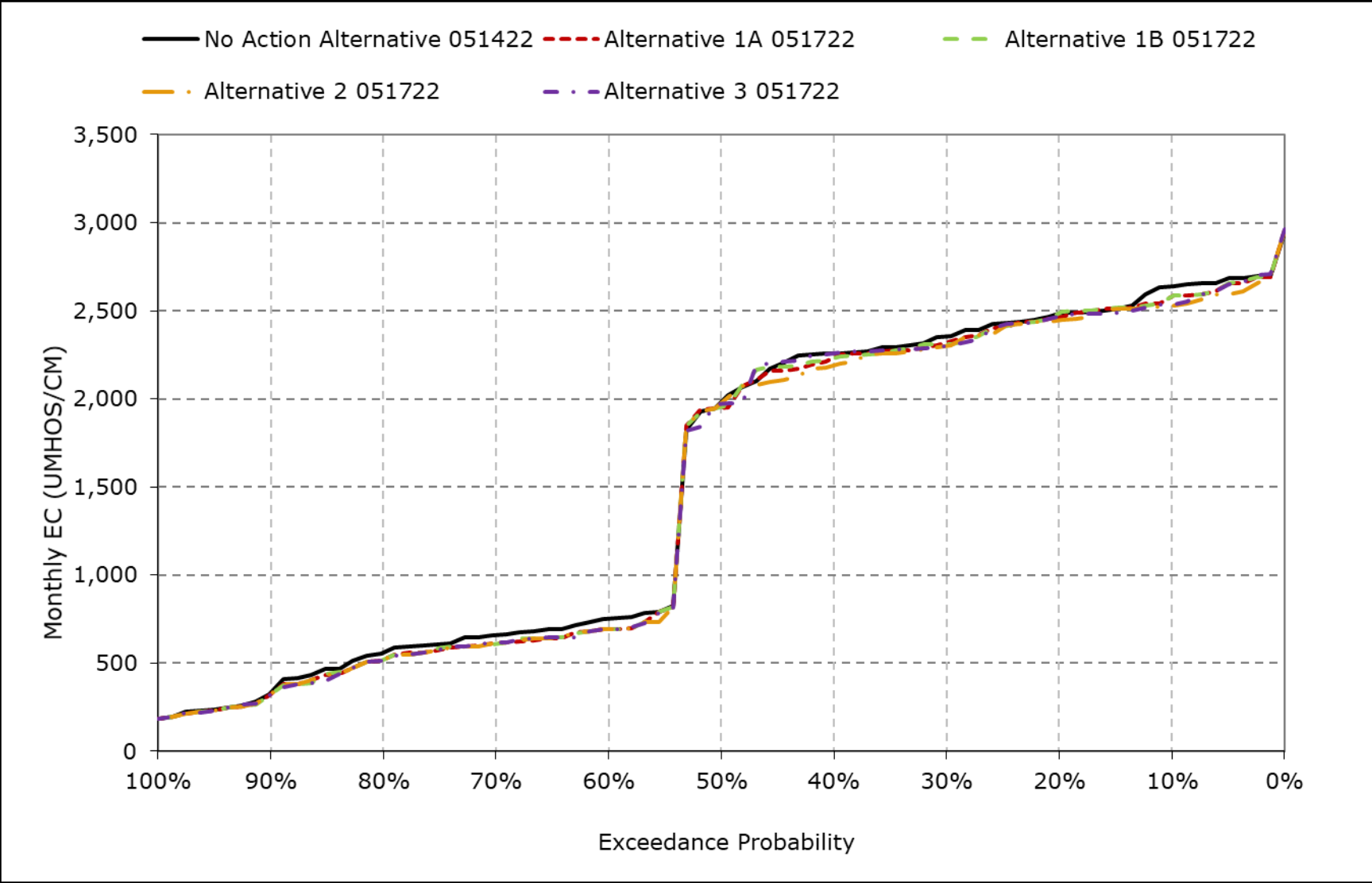
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-12-14. San Joaquin River at Jersey Point Salinity, August EC**



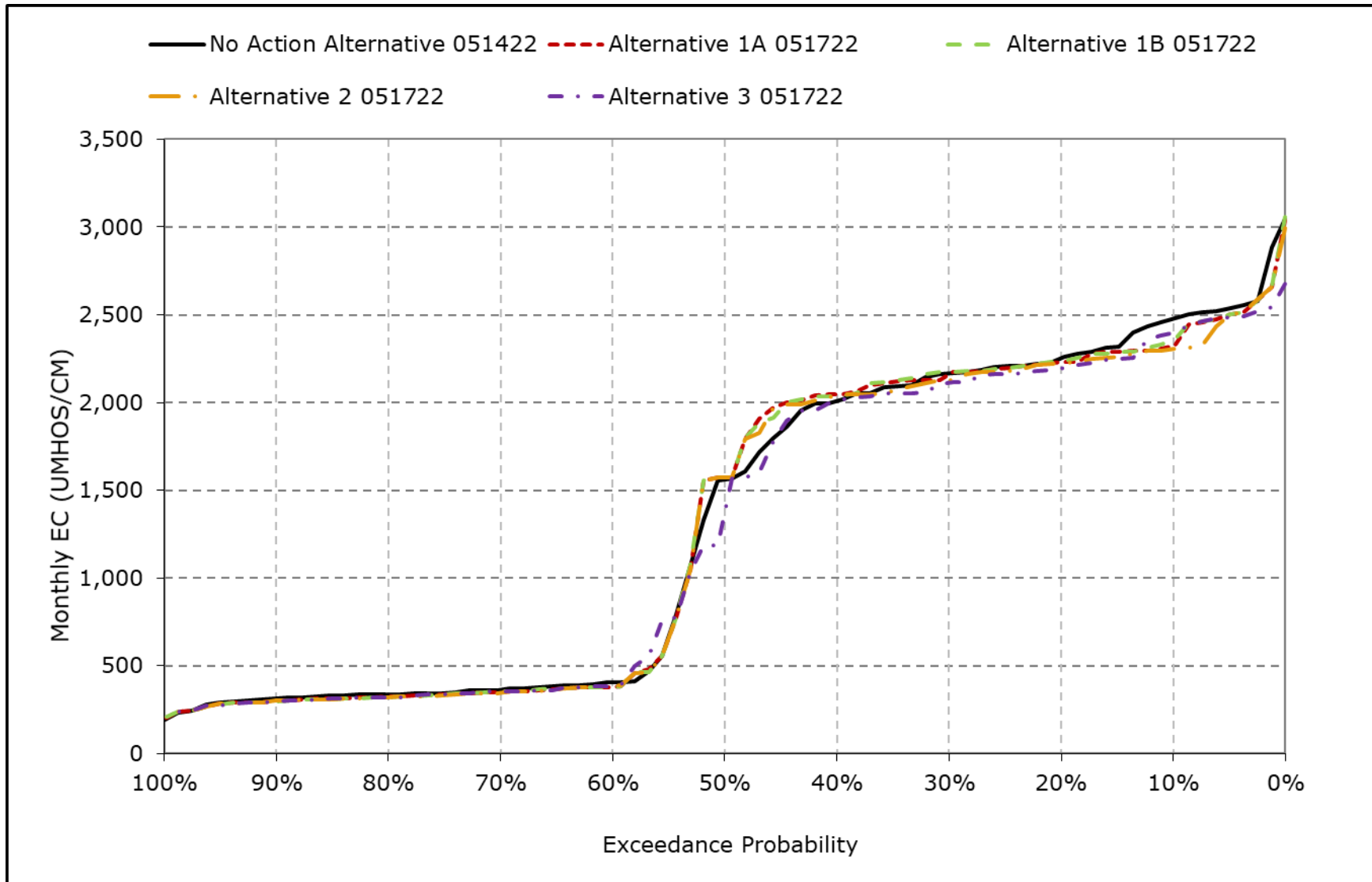
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-12-15. San Joaquin River at Jersey Point Salinity, September EC**



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

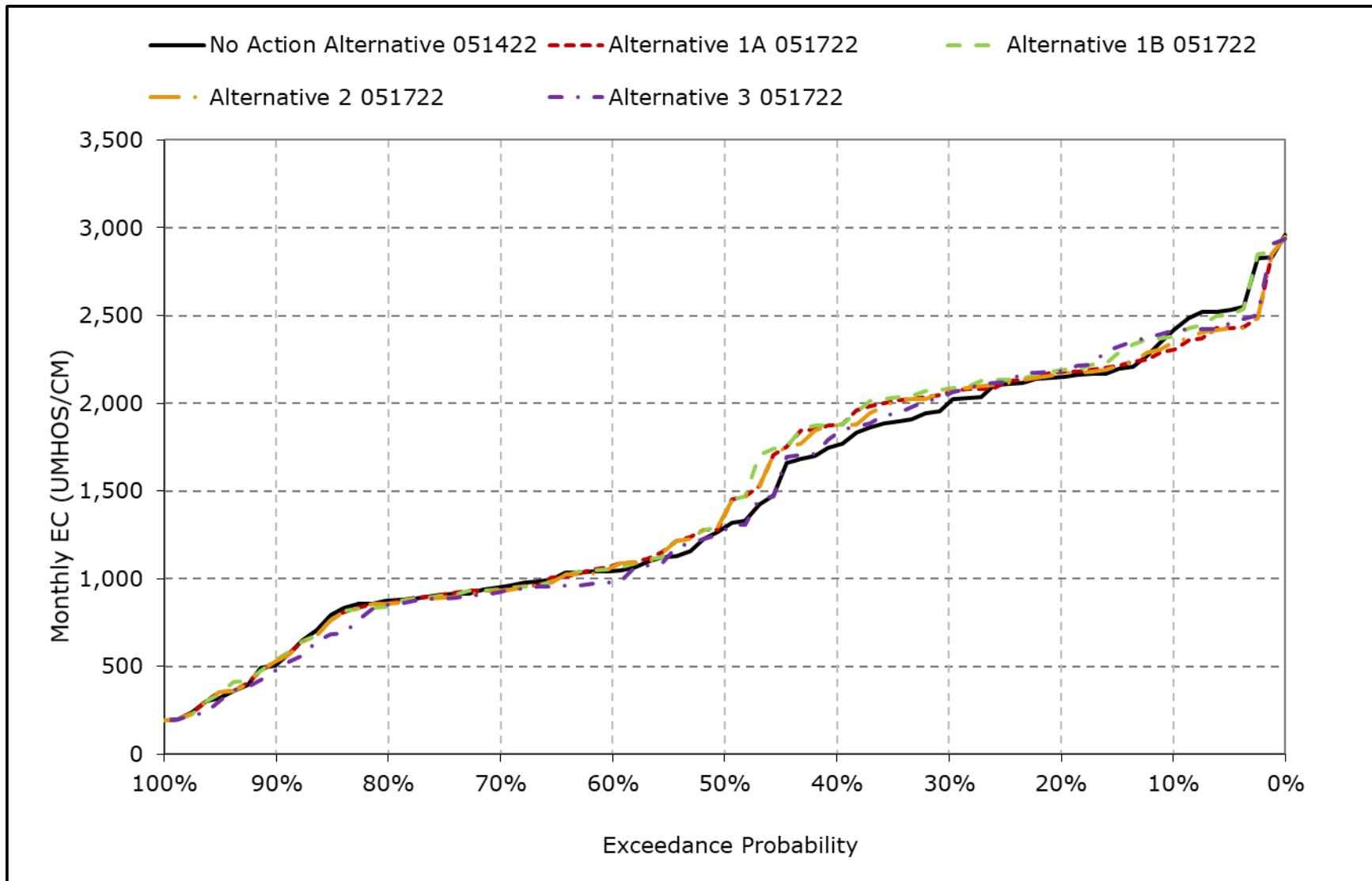
**Figure 6B1-12-16. San Joaquin River at Jersey Point Salinity, October EC**



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

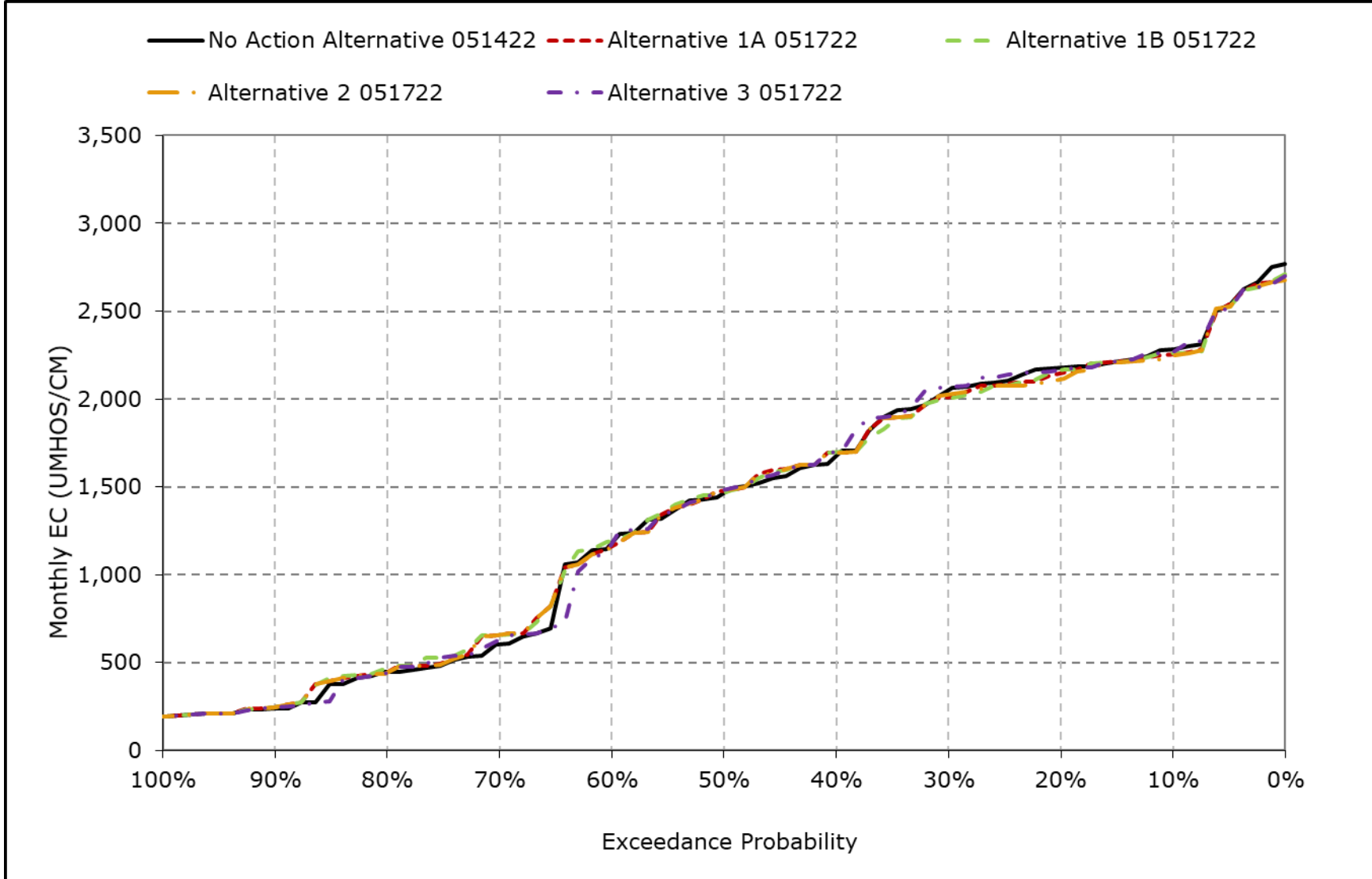


**Figure 6B1-12-17. San Joaquin River at Jersey Point Salinity, November EC**



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

**Figure 6B1-12-18. San Joaquin River at Jersey Point Salinity, December EC**



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

**Table 6B1-13-1a. San Joaquin River at San Andreas, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	961	956	1,007	873	437	267	252	254	271	592	716	997
<b>20% Exceedance</b>	921	858	939	744	327	247	237	242	254	442	640	930
<b>30% Exceedance</b>	891	780	896	644	294	237	231	227	237	364	602	887
<b>40% Exceedance</b>	824	693	816	513	265	229	223	218	218	325	548	814
<b>50% Exceedance</b>	743	561	732	354	254	223	218	214	211	280	477	754
<b>60% Exceedance</b>	229	411	650	290	238	219	215	207	205	246	355	342
<b>70% Exceedance</b>	224	373	392	256	229	214	209	201	201	223	311	293
<b>80% Exceedance</b>	212	349	305	234	212	207	204	196	196	213	275	268
<b>90% Exceedance</b>	206	273	218	219	206	201	199	186	194	207	217	206
<b>Full Simulation Period Average<sup>a</sup></b>	578	593	667	475	284	231	222	223	244	339	464	611
<b>Wet Water Years (32%)</b>	214	326	562	261	228	217	208	195	198	217	269	256
<b>Above Normal Years (15%)</b>	230	426	688	410	251	219	216	205	206	240	317	301
<b>Below Normal Years (17%)</b>	898	726	638	517	258	225	226	217	216	328	578	949
<b>Dry Water Years (22%)</b>	875	799	688	603	319	232	227	229	242	439	610	837
<b>Critical Water Years (15%)</b>	898	874	871	765	417	283	250	299	420	564	684	953

**Table 6B1-13-1b. San Joaquin River at San Andreas, Alternative 1A 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	927	917	1,036	872	429	268	250	254	271	573	728	1,000
<b>20% Exceedance</b>	896	856	936	771	329	248	238	242	251	454	641	914
<b>30% Exceedance</b>	856	797	872	645	297	239	231	227	235	372	601	857
<b>40% Exceedance</b>	816	753	812	507	266	229	224	218	218	337	556	799
<b>50% Exceedance</b>	758	563	728	361	253	224	218	214	211	279	494	726
<b>60% Exceedance</b>	229	420	634	302	239	219	215	207	205	246	345	326
<b>70% Exceedance</b>	218	368	409	258	229	215	209	201	201	223	308	285
<b>80% Exceedance</b>	209	344	322	236	214	207	204	196	196	213	269	260
<b>90% Exceedance</b>	203	272	229	220	207	202	199	186	194	207	214	206
<b>Full Simulation Period Average<sup>a</sup></b>	566	597	671	476	286	232	223	223	244	343	465	598
<b>Wet Water Years (32%)</b>	212	326	563	264	228	217	208	195	198	217	265	249
<b>Above Normal Years (15%)</b>	227	415	691	415	253	220	216	206	206	240	312	291
<b>Below Normal Years (17%)</b>	864	769	658	500	258	226	226	217	216	328	572	920
<b>Dry Water Years (22%)</b>	858	799	684	614	324	233	228	229	242	457	625	824
<b>Critical Water Years (15%)</b>	882	862	876	760	420	285	251	298	414	565	687	949

**Table 6B1-13-1c. San Joaquin River at San Andreas, Alternative 1A 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-34	-39	29	-2	-8	1	-2	0	0	-19	12	3
<b>20% Exceedance</b>	-25	-2	-3	27	2	1	0	0	-3	12	1	-17
<b>30% Exceedance</b>	-35	18	-24	1	3	2	0	0	-2	7	-1	-31
<b>40% Exceedance</b>	-8	60	-4	-6	1	0	0	0	0	13	8	-15
<b>50% Exceedance</b>	15	1	-4	8	-1	1	0	0	0	-1	16	-28
<b>60% Exceedance</b>	0	9	-16	12	1	0	0	0	0	0	-9	-16
<b>70% Exceedance</b>	-5	-4	17	2	0	1	0	0	0	0	-3	-8
<b>80% Exceedance</b>	-4	-5	18	2	2	0	0	0	0	0	-5	-9
<b>90% Exceedance</b>	-2	-1	11	2	1	1	0	0	0	0	-2	-1
<b>Full Simulation Period Average<sup>a</sup></b>	-13	4	4	0	2	1	0	0	-1	4	1	-12
<b>Wet Water Years (32%)</b>	-1	0	1	2	0	0	0	0	0	0	-4	-7
<b>Above Normal Years (15%)</b>	-4	-11	3	5	2	1	0	0	0	0	-5	-10
<b>Below Normal Years (17%)</b>	-34	43	20	-17	0	1	0	0	0	0	-6	-30
<b>Dry Water Years (22%)</b>	-17	0	-4	11	5	2	0	0	0	19	15	-13
<b>Critical Water Years (15%)</b>	-16	-12	5	-5	4	2	1	-2	-5	1	4	-4

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-13-2a. San Joaquin River at San Andreas, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	961	956	1,007	873	437	267	252	254	271	592	716	997
<b>20% Exceedance</b>	921	858	939	744	327	247	237	242	254	442	640	930
<b>30% Exceedance</b>	891	780	896	644	294	237	231	227	237	364	602	887
<b>40% Exceedance</b>	824	693	816	513	265	229	223	218	218	325	548	814
<b>50% Exceedance</b>	743	561	732	354	254	223	218	214	211	280	477	754
<b>60% Exceedance</b>	229	411	650	290	238	219	215	207	205	246	355	342
<b>70% Exceedance</b>	224	373	392	256	229	214	209	201	201	223	311	293
<b>80% Exceedance</b>	212	349	305	234	212	207	204	196	196	213	275	268
<b>90% Exceedance</b>	206	273	218	219	206	201	199	186	194	207	217	206
<b>Full Simulation Period Average<sup>a</sup></b>	578	593	667	475	284	231	222	223	244	339	464	611
<b>Wet Water Years (32%)</b>	214	326	562	261	228	217	208	195	198	217	269	256
<b>Above Normal Years (15%)</b>	230	426	688	410	251	219	216	205	206	240	317	301
<b>Below Normal Years (17%)</b>	898	726	638	517	258	225	226	217	216	328	578	949
<b>Dry Water Years (22%)</b>	875	799	688	603	319	232	227	229	242	439	610	837
<b>Critical Water Years (15%)</b>	898	874	871	765	417	283	250	299	420	564	684	953

**Table 6B1-13-2b. San Joaquin River at San Andreas, Alternative 1B 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	929	924	1,009	879	437	269	250	254	271	575	728	1,001
<b>20% Exceedance</b>	903	878	934	737	325	248	239	242	251	453	641	915
<b>30% Exceedance</b>	856	823	879	627	295	241	231	227	236	372	603	850
<b>40% Exceedance</b>	814	768	819	507	266	229	224	218	218	337	560	815
<b>50% Exceedance</b>	748	561	752	364	256	224	218	214	210	279	496	728
<b>60% Exceedance</b>	229	414	661	300	239	219	215	207	205	247	345	326
<b>70% Exceedance</b>	218	369	422	258	229	214	208	201	201	224	309	287
<b>80% Exceedance</b>	210	344	328	236	214	207	204	196	196	213	269	260
<b>90% Exceedance</b>	203	272	229	219	207	202	199	186	194	207	214	206
<b>Full Simulation Period Average<sup>a</sup></b>	567	605	672	475	286	233	223	223	244	343	464	599
<b>Wet Water Years (32%)</b>	213	327	564	264	228	217	208	195	198	217	265	250
<b>Above Normal Years (15%)</b>	226	415	690	414	253	220	216	205	206	240	312	291
<b>Below Normal Years (17%)</b>	871	773	662	519	259	226	226	217	216	329	571	923
<b>Dry Water Years (22%)</b>	857	831	691	592	321	233	227	229	242	458	624	823
<b>Critical Water Years (15%)</b>	885	865	875	765	421	286	252	298	416	564	685	950

**Table 6B1-13-2c. San Joaquin River at San Andreas, Alternative 1B 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-32	-32	3	6	0	2	-2	1	0	-17	12	4
<b>20% Exceedance</b>	-18	19	-5	-7	-2	1	2	0	-3	11	1	-16
<b>30% Exceedance</b>	-35	43	-17	-18	1	4	0	0	-1	7	0	-38
<b>40% Exceedance</b>	-10	75	3	-6	1	0	0	0	0	13	11	0
<b>50% Exceedance</b>	5	0	19	10	2	1	0	0	-1	-1	18	-26
<b>60% Exceedance</b>	0	3	11	10	1	0	0	0	0	0	-10	-15
<b>70% Exceedance</b>	-5	-3	30	2	0	0	0	0	0	1	-1	-7
<b>80% Exceedance</b>	-2	-5	23	2	2	1	0	0	0	0	-5	-9
<b>90% Exceedance</b>	-2	-1	10	0	1	1	1	0	0	0	-2	-1
<b>Full Simulation Period Average<sup>a</sup></b>	-12	12	6	0	2	1	0	0	-1	4	0	-12
<b>Wet Water Years (32%)</b>	-1	1	1	3	0	0	0	0	0	0	-4	-6
<b>Above Normal Years (15%)</b>	-4	-11	2	5	2	1	-1	0	0	0	-6	-10
<b>Below Normal Years (17%)</b>	-28	47	24	3	1	1	0	0	0	0	-7	-26
<b>Dry Water Years (22%)</b>	-18	32	3	-10	2	1	0	0	0	19	14	-14
<b>Critical Water Years (15%)</b>	-13	-9	4	0	4	4	2	-1	-4	0	1	-4

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-13-3a. San Joaquin River at San Andreas, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	961	956	1,007	873	437	267	252	254	271	592	716	997
<b>20% Exceedance</b>	921	858	939	744	327	247	237	242	254	442	640	930
<b>30% Exceedance</b>	891	780	896	644	294	237	231	227	237	364	602	887
<b>40% Exceedance</b>	824	693	816	513	265	229	223	218	218	325	548	814
<b>50% Exceedance</b>	743	561	732	354	254	223	218	214	211	280	477	754
<b>60% Exceedance</b>	229	411	650	290	238	219	215	207	205	246	355	342
<b>70% Exceedance</b>	224	373	392	256	229	214	209	201	201	223	311	293
<b>80% Exceedance</b>	212	349	305	234	212	207	204	196	196	213	275	268
<b>90% Exceedance</b>	206	273	218	219	206	201	199	186	194	207	217	206
<b>Full Simulation Period Average<sup>a</sup></b>	578	593	667	475	284	231	222	223	244	339	464	611
<b>Wet Water Years (32%)</b>	214	326	562	261	228	217	208	195	198	217	269	256
<b>Above Normal Years (15%)</b>	230	426	688	410	251	219	216	205	206	240	317	301
<b>Below Normal Years (17%)</b>	898	726	638	517	258	225	226	217	216	328	578	949
<b>Dry Water Years (22%)</b>	875	799	688	603	319	232	227	229	242	439	610	837
<b>Critical Water Years (15%)</b>	898	874	871	765	417	283	250	299	420	564	684	953

**Table 6B1-13-3b. San Joaquin River at San Andreas, Alternative 2 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	916	924	1,035	866	434	268	250	254	271	571	726	989
<b>20% Exceedance</b>	885	851	937	756	329	248	238	242	252	454	637	915
<b>30% Exceedance</b>	840	795	872	645	297	239	231	227	235	372	607	858
<b>40% Exceedance</b>	804	743	806	504	266	229	224	218	218	337	559	798
<b>50% Exceedance</b>	756	560	728	361	253	224	218	214	211	285	494	736
<b>60% Exceedance</b>	229	419	634	302	239	219	215	207	205	246	345	326
<b>70% Exceedance</b>	218	363	410	258	229	215	209	201	201	222	308	285
<b>80% Exceedance</b>	209	344	322	236	214	207	204	196	196	213	269	260
<b>90% Exceedance</b>	203	272	229	220	207	202	199	186	194	207	214	206
<b>Full Simulation Period Average<sup>a</sup></b>	560	595	669	474	285	232	223	223	244	343	463	594
<b>Wet Water Years (32%)</b>	212	325	563	264	228	217	208	195	198	217	265	249
<b>Above Normal Years (15%)</b>	226	413	690	415	253	220	216	206	206	240	311	290
<b>Below Normal Years (17%)</b>	860	766	657	500	258	226	226	217	216	329	573	917
<b>Dry Water Years (22%)</b>	848	795	684	606	322	233	228	229	242	457	625	824
<b>Critical Water Years (15%)</b>	868	860	871	761	420	285	251	298	414	564	676	926

**Table 6B1-13-3c. San Joaquin River at San Andreas, Alternative 2 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-45	-32	28	-7	-3	1	-2	0	0	-21	10	-8
<b>20% Exceedance</b>	-37	-7	-2	12	2	1	0	0	-3	12	-3	-15
<b>30% Exceedance</b>	-51	15	-24	1	3	2	0	0	-2	7	4	-29
<b>40% Exceedance</b>	-20	50	-9	-9	1	0	0	0	0	13	10	-16
<b>50% Exceedance</b>	14	-1	-4	8	-1	1	0	0	0	5	17	-18
<b>60% Exceedance</b>	-1	8	-16	11	1	0	0	0	0	0	-10	-16
<b>70% Exceedance</b>	-6	-10	18	2	0	1	0	0	0	0	-3	-8
<b>80% Exceedance</b>	-4	-5	17	2	2	0	0	0	0	0	-5	-8
<b>90% Exceedance</b>	-3	-1	11	2	1	1	0	0	0	0	-2	-1
<b>Full Simulation Period Average<sup>a</sup></b>	-18	2	3	-1	1	1	0	0	-1	4	-1	-16
<b>Wet Water Years (32%)</b>	-2	-1	1	2	0	0	0	0	0	0	-4	-7
<b>Above Normal Years (15%)</b>	-4	-13	2	5	2	1	0	0	0	0	-7	-11
<b>Below Normal Years (17%)</b>	-38	39	19	-17	0	1	0	0	0	1	-5	-32
<b>Dry Water Years (22%)</b>	-28	-4	-4	3	3	1	0	0	0	18	15	-14
<b>Critical Water Years (15%)</b>	-30	-13	0	-4	3	2	1	-2	-5	0	-8	-28

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-13-4a. San Joaquin River at San Andreas, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	961	956	1,007	873	437	267	252	254	271	592	716	997
<b>20% Exceedance</b>	921	858	939	744	327	247	237	242	254	442	640	930
<b>30% Exceedance</b>	891	780	896	644	294	237	231	227	237	364	602	887
<b>40% Exceedance</b>	824	693	816	513	265	229	223	218	218	325	548	814
<b>50% Exceedance</b>	743	561	732	354	254	223	218	214	211	280	477	754
<b>60% Exceedance</b>	229	411	650	290	238	219	215	207	205	246	355	342
<b>70% Exceedance</b>	224	373	392	256	229	214	209	201	201	223	311	293
<b>80% Exceedance</b>	212	349	305	234	212	207	204	196	196	213	275	268
<b>90% Exceedance</b>	206	273	218	219	206	201	199	186	194	207	217	206
<b>Full Simulation Period Average<sup>a</sup></b>	578	593	667	475	284	231	222	223	244	339	464	611
<b>Wet Water Years (32%)</b>	214	326	562	261	228	217	208	195	198	217	269	256
<b>Above Normal Years (15%)</b>	230	426	688	410	251	219	216	205	206	240	317	301
<b>Below Normal Years (17%)</b>	898	726	638	517	258	225	226	217	216	328	578	949
<b>Dry Water Years (22%)</b>	875	799	688	603	319	232	227	229	242	439	610	837
<b>Critical Water Years (15%)</b>	898	874	871	765	417	283	250	299	420	564	684	953

**Table 6B1-13-4b. San Joaquin River at San Andreas, Alternative 3 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	935	917	1,009	896	442	269	252	255	271	580	725	987
<b>20% Exceedance</b>	895	852	939	762	329	249	239	242	252	449	642	916
<b>30% Exceedance</b>	833	808	906	652	298	241	230	227	237	373	588	855
<b>40% Exceedance</b>	798	710	843	502	265	230	224	218	219	336	551	806
<b>50% Exceedance</b>	631	537	754	361	254	224	218	214	211	281	504	742
<b>60% Exceedance</b>	228	407	627	293	240	220	215	206	205	247	345	326
<b>70% Exceedance</b>	219	361	405	257	230	214	209	200	201	223	309	286
<b>80% Exceedance</b>	211	344	315	235	213	208	204	196	196	213	270	259
<b>90% Exceedance</b>	202	254	220	219	207	202	199	186	194	207	214	206
<b>Full Simulation Period Average<sup>a</sup></b>	557	590	669	480	286	233	223	223	244	343	463	599
<b>Wet Water Years (32%)</b>	213	329	567	264	228	217	208	195	198	217	265	249
<b>Above Normal Years (15%)</b>	234	418	677	423	254	220	217	205	206	241	309	290
<b>Below Normal Years (17%)</b>	811	697	634	505	259	226	226	217	216	328	568	924
<b>Dry Water Years (22%)</b>	850	816	703	613	325	233	227	229	242	459	626	824
<b>Critical Water Years (15%)</b>	888	866	872	775	419	285	252	298	416	561	682	949

**Table 6B1-13-4c. San Joaquin River at San Andreas, Alternative 3 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-26	-40	2	23	6	2	0	2	0	-12	9	-10
<b>20% Exceedance</b>	-26	-6	0	18	2	2	2	0	-3	7	1	-15
<b>30% Exceedance</b>	-58	28	10	8	4	4	0	0	-1	9	-14	-33
<b>40% Exceedance</b>	-26	17	28	-11	0	1	0	0	1	11	3	-8
<b>50% Exceedance</b>	-112	-24	22	7	0	1	0	0	0	1	27	-12
<b>60% Exceedance</b>	-1	-4	-23	3	2	1	0	0	0	0	-10	-16
<b>70% Exceedance</b>	-5	-12	13	1	1	0	0	0	0	0	-1	-7
<b>80% Exceedance</b>	-1	-5	11	1	2	1	0	0	0	0	-5	-9
<b>90% Exceedance</b>	-4	-18	2	0	1	1	0	0	0	0	-2	-1
<b>Full Simulation Period Average<sup>a</sup></b>	-22	-3	2	4	2	1	1	0	0	4	-1	-12
<b>Wet Water Years (32%)</b>	0	4	5	2	1	1	0	0	0	0	-4	-7
<b>Above Normal Years (15%)</b>	4	-8	-12	13	3	1	0	0	0	1	-8	-11
<b>Below Normal Years (17%)</b>	-88	-30	-4	-12	1	1	0	0	1	0	-10	-26
<b>Dry Water Years (22%)</b>	-26	16	15	10	6	1	0	0	0	20	16	-13
<b>Critical Water Years (15%)</b>	-10	-8	1	11	3	3	2	-1	-4	-3	-2	-5

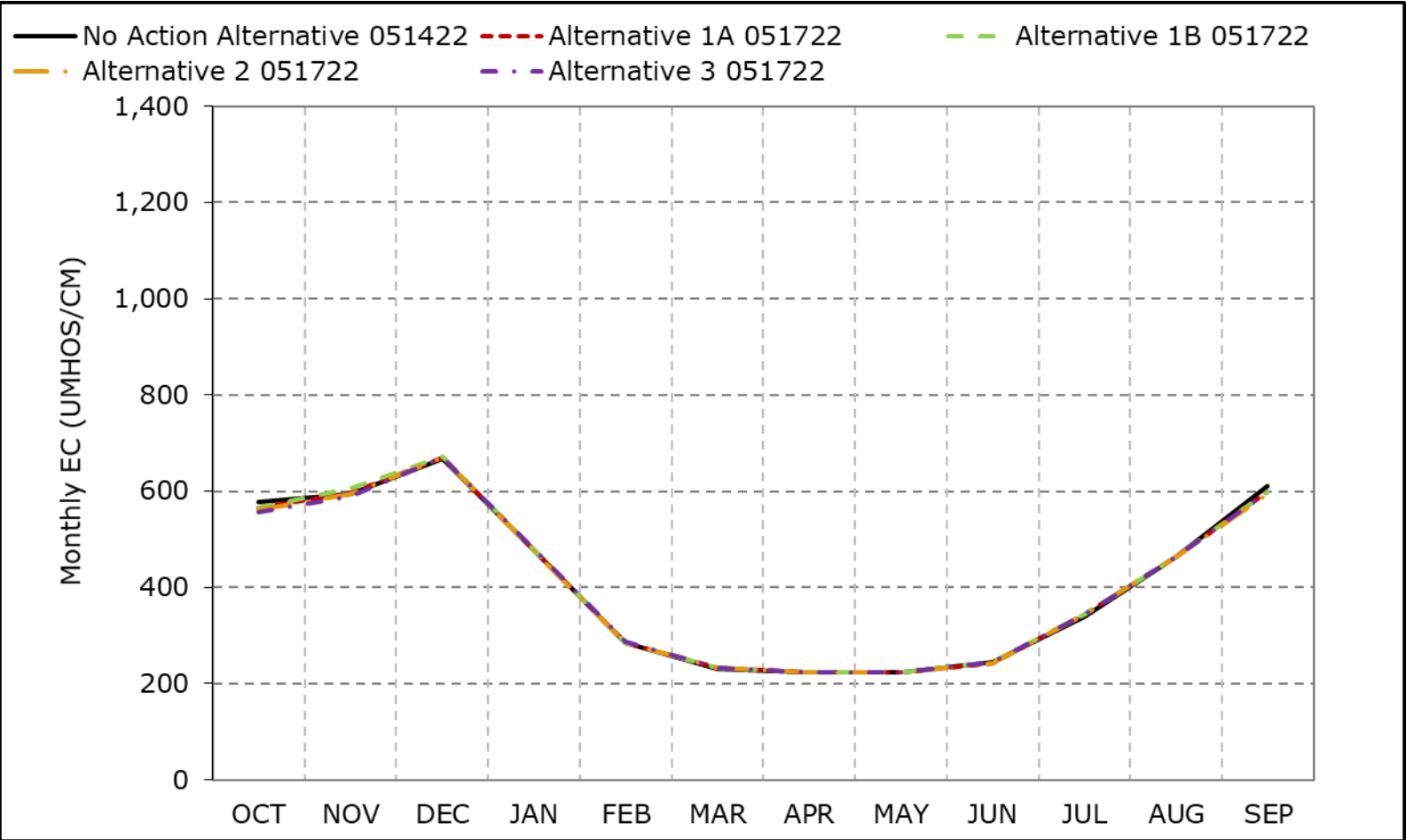
<sup>a</sup> Based on the 82-year simulation period.

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

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

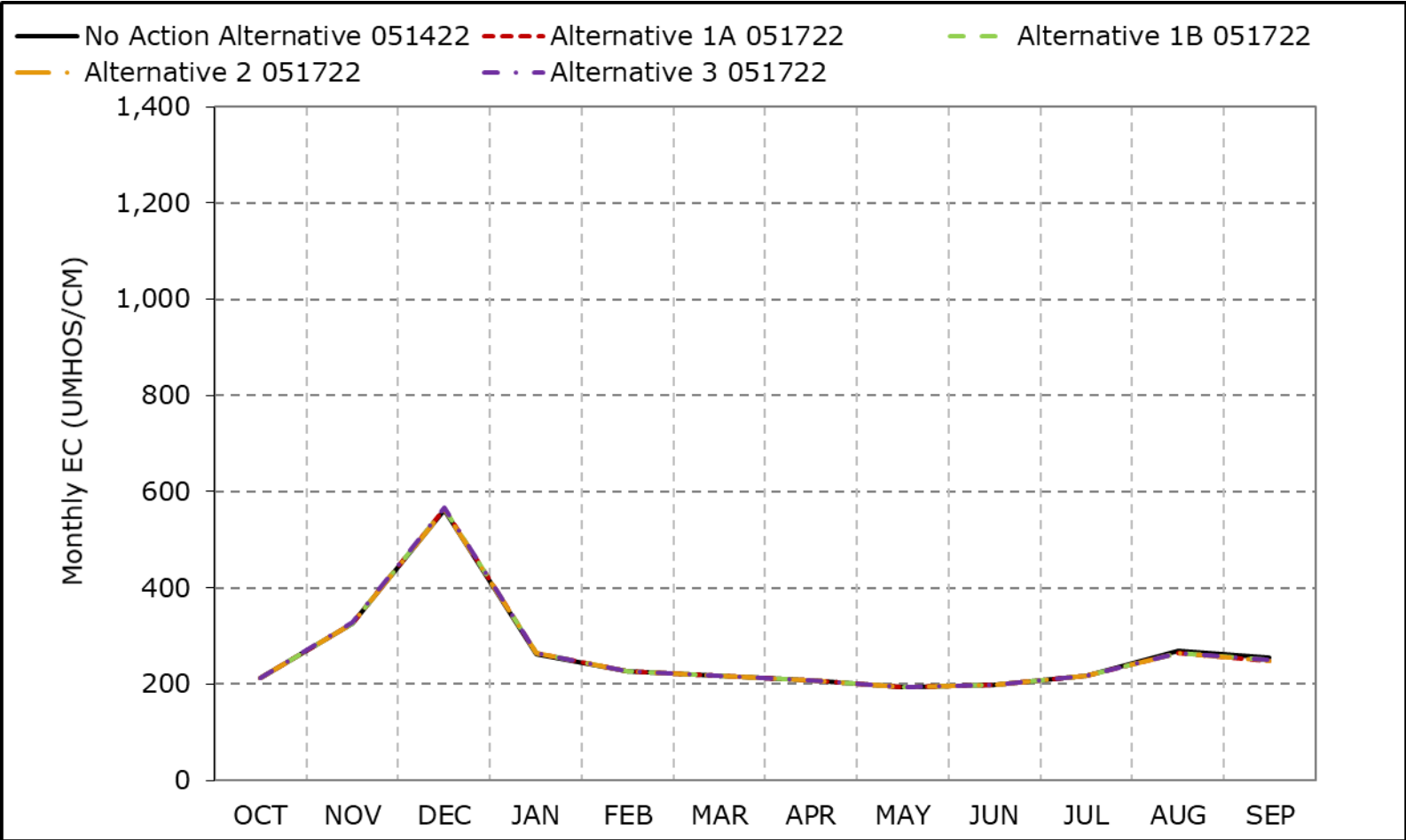
\* These results are displayed with calendar year - year type sorting.

**Figure 6B1-13-1. San Joaquin River at San Andreas, 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 calendar year - year type sorting.  
 \*All scenarios are simulated at current climate condition and 0 cm sea level rise.

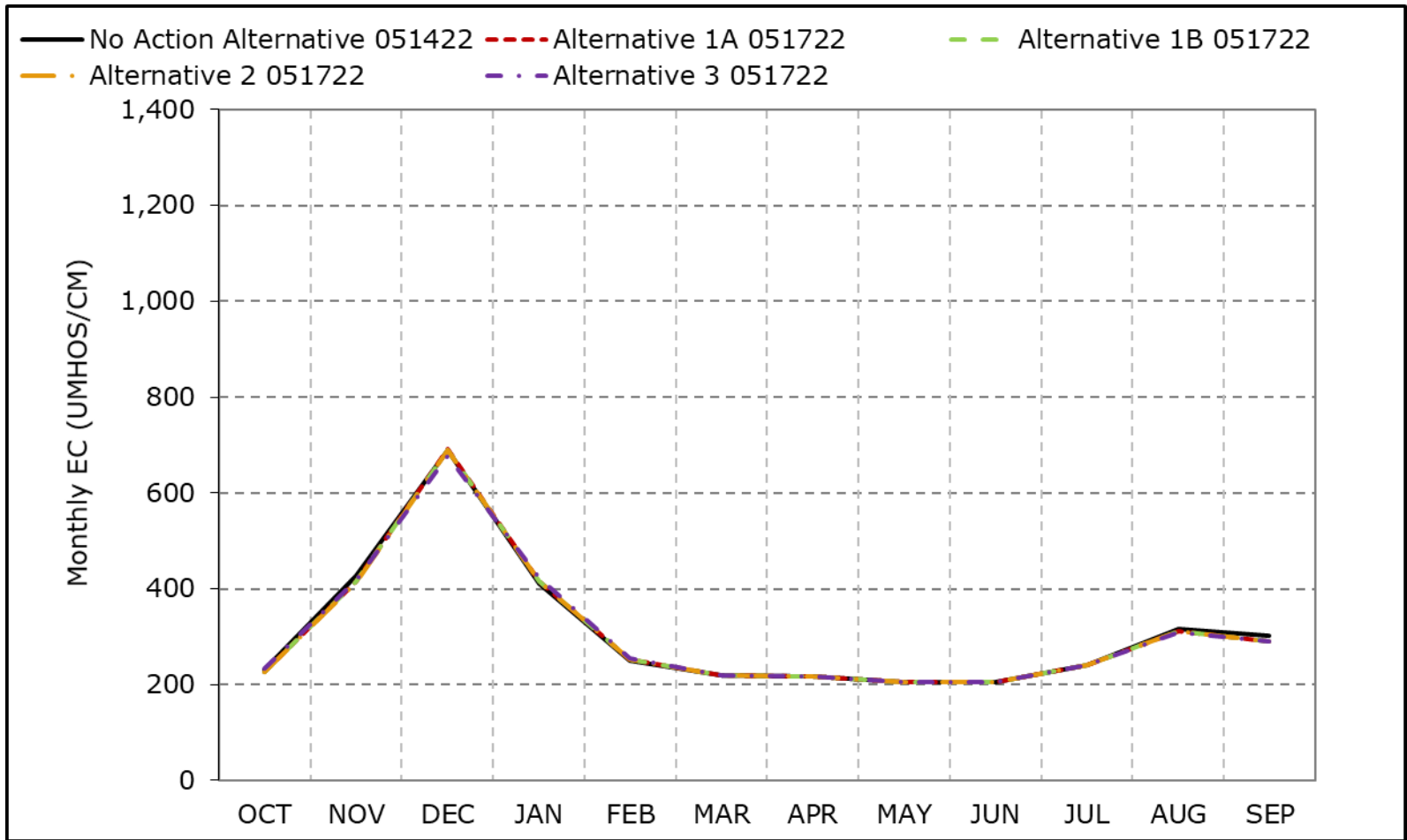
**Figure 6B1-13-2. San Joaquin River at San Andreas, Wet Year Average EC**



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



**Figure 6B1-13-3. San Joaquin River at San Andreas, Above Normal Year Average EC**

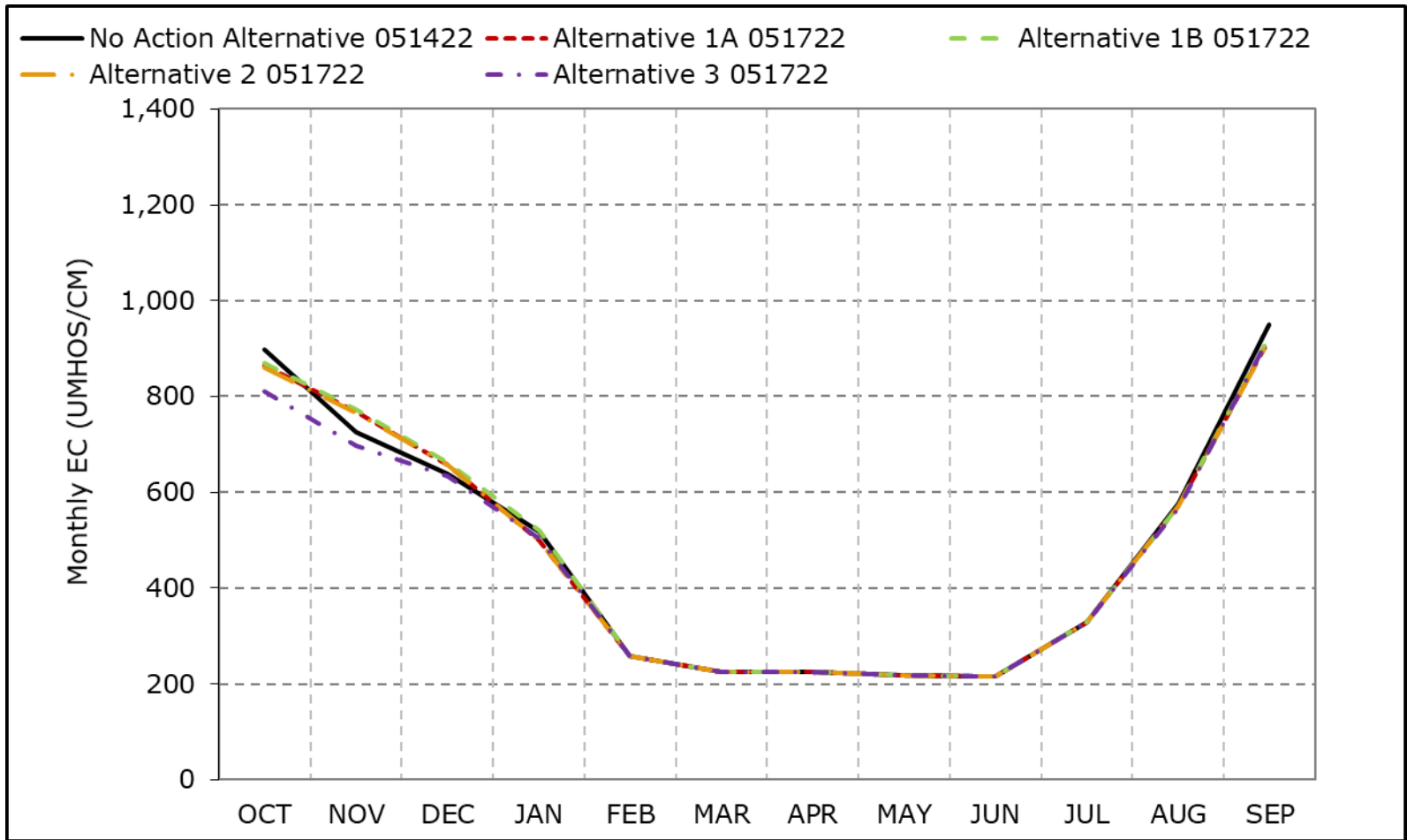


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-13-4. San Joaquin River at San Andreas, Below Normal Year Average EC**

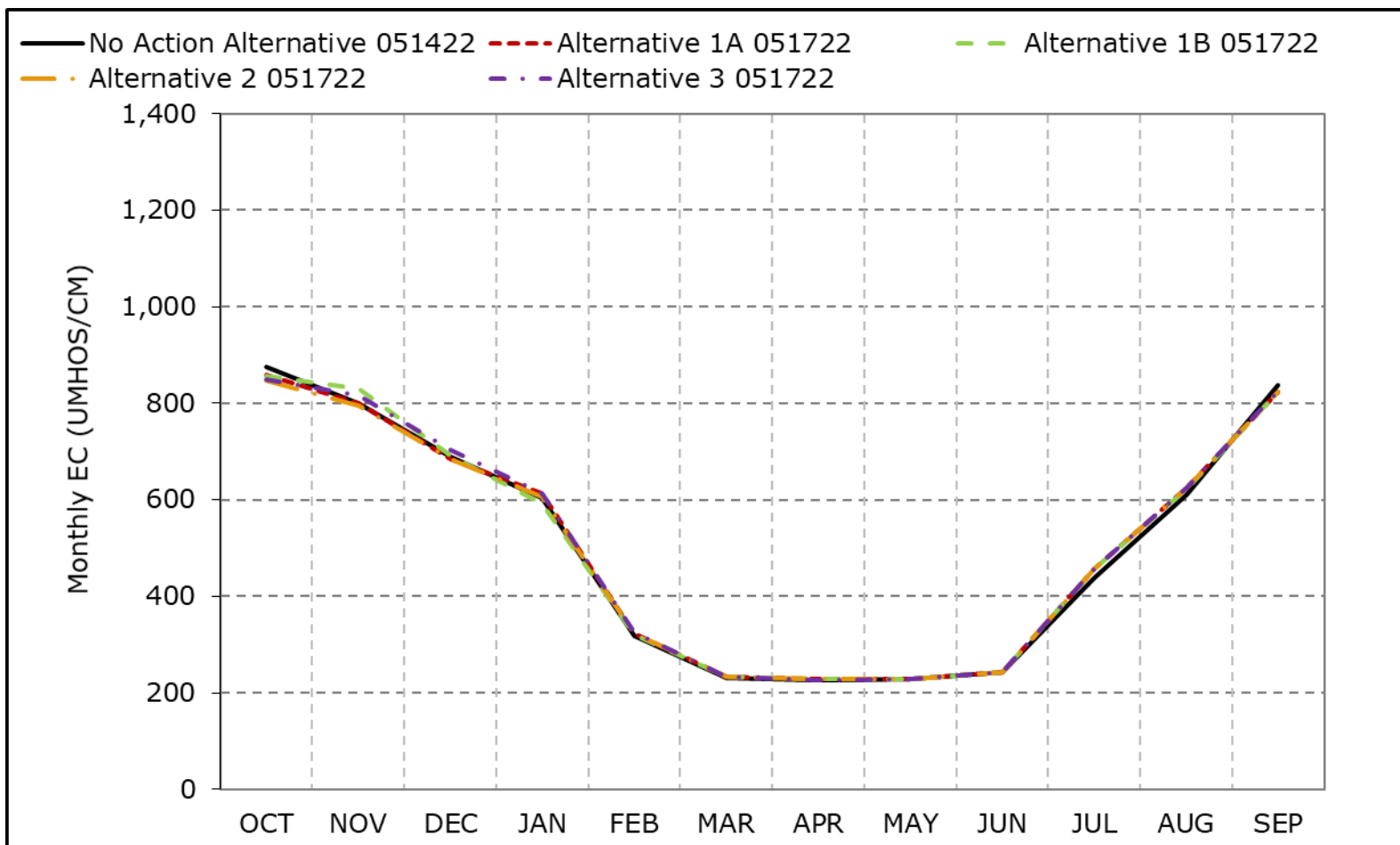


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-13-5. San Joaquin River at San Andreas, Dry Year Average EC**

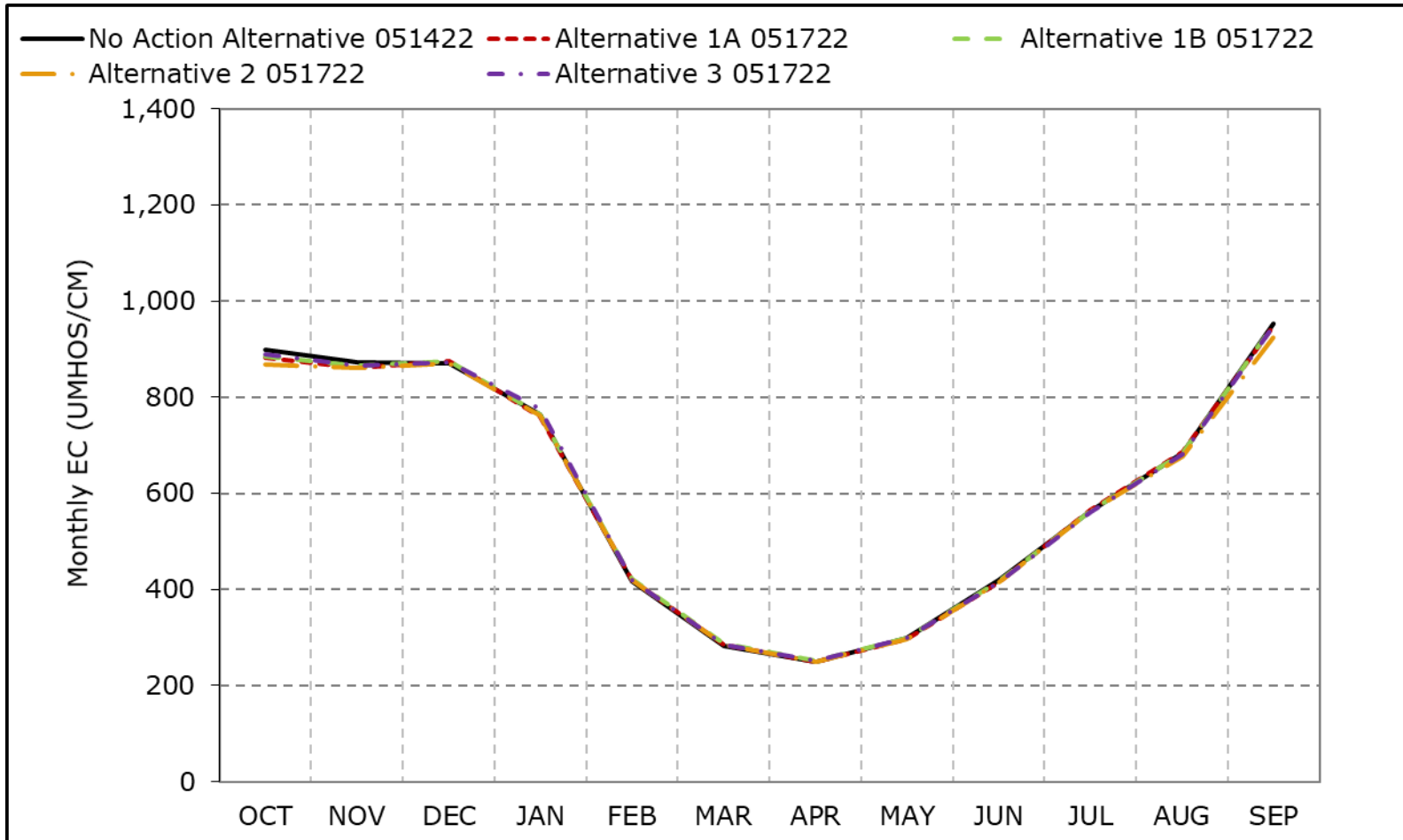


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-13-6. San Joaquin River at San Andreas, Critical Year Average EC**

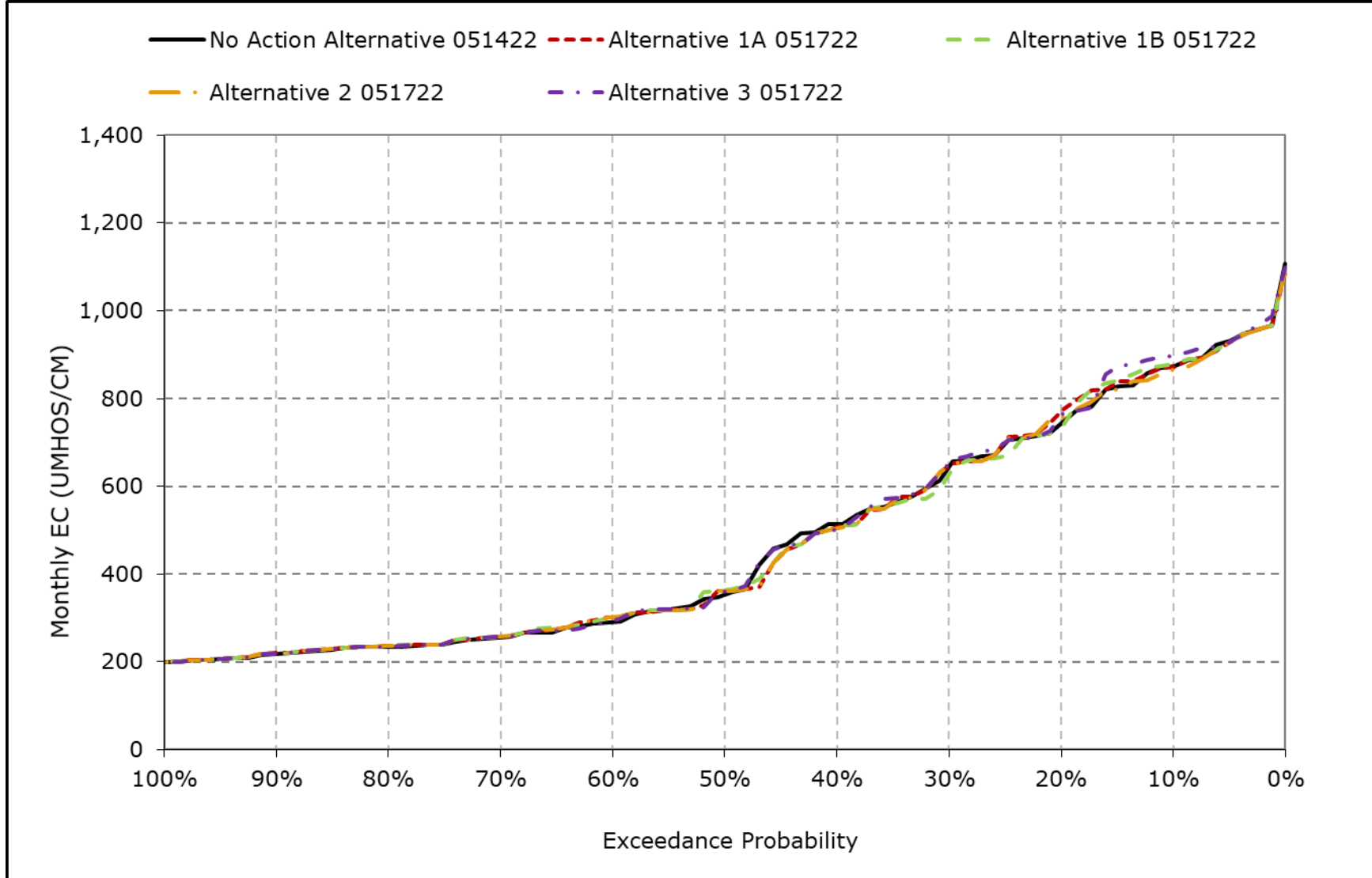


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

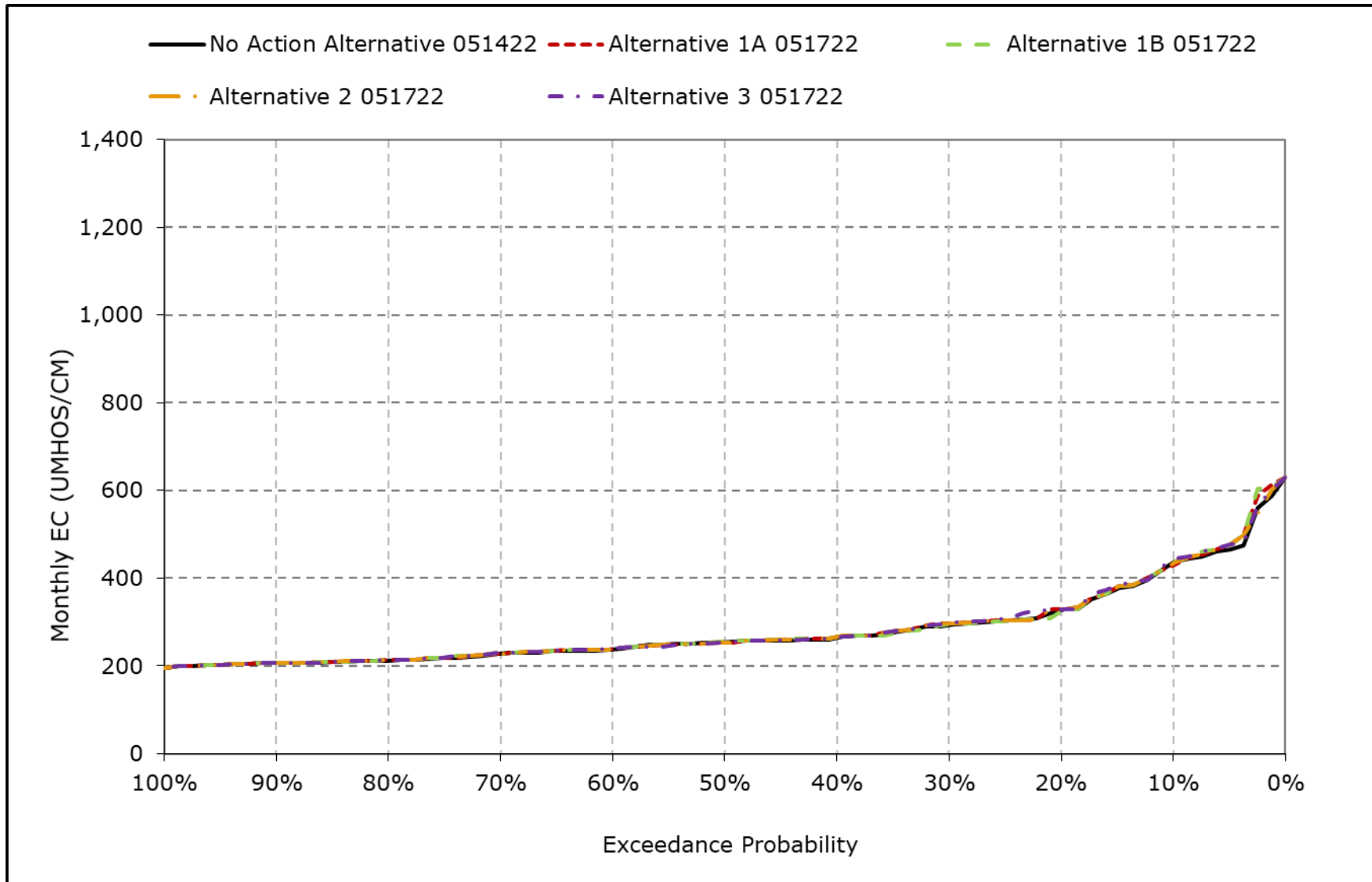
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-13-7. San Joaquin River at San Andreas Salinity, January EC**



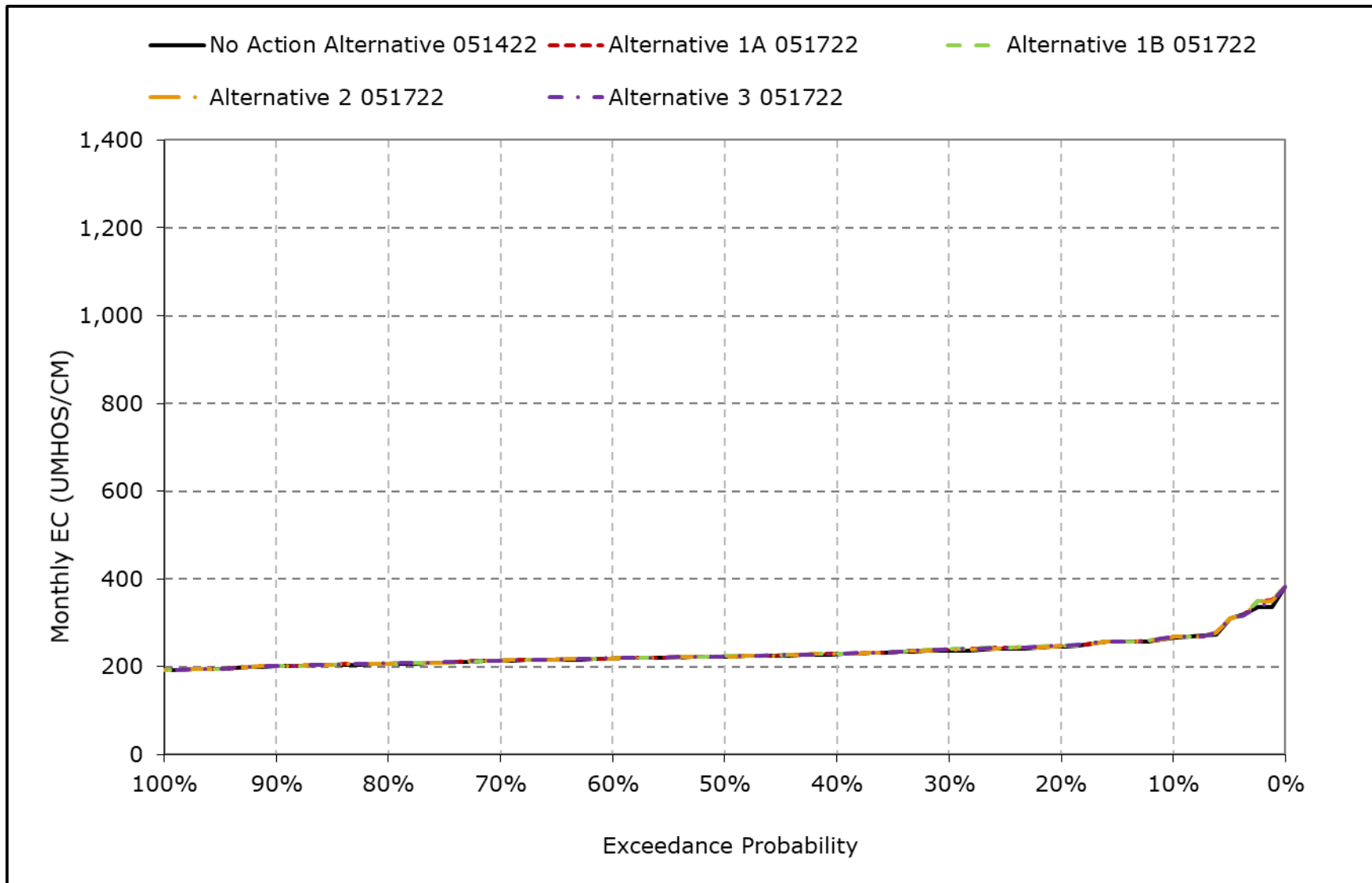
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-13-8. San Joaquin River at San Andreas Salinity, February EC**



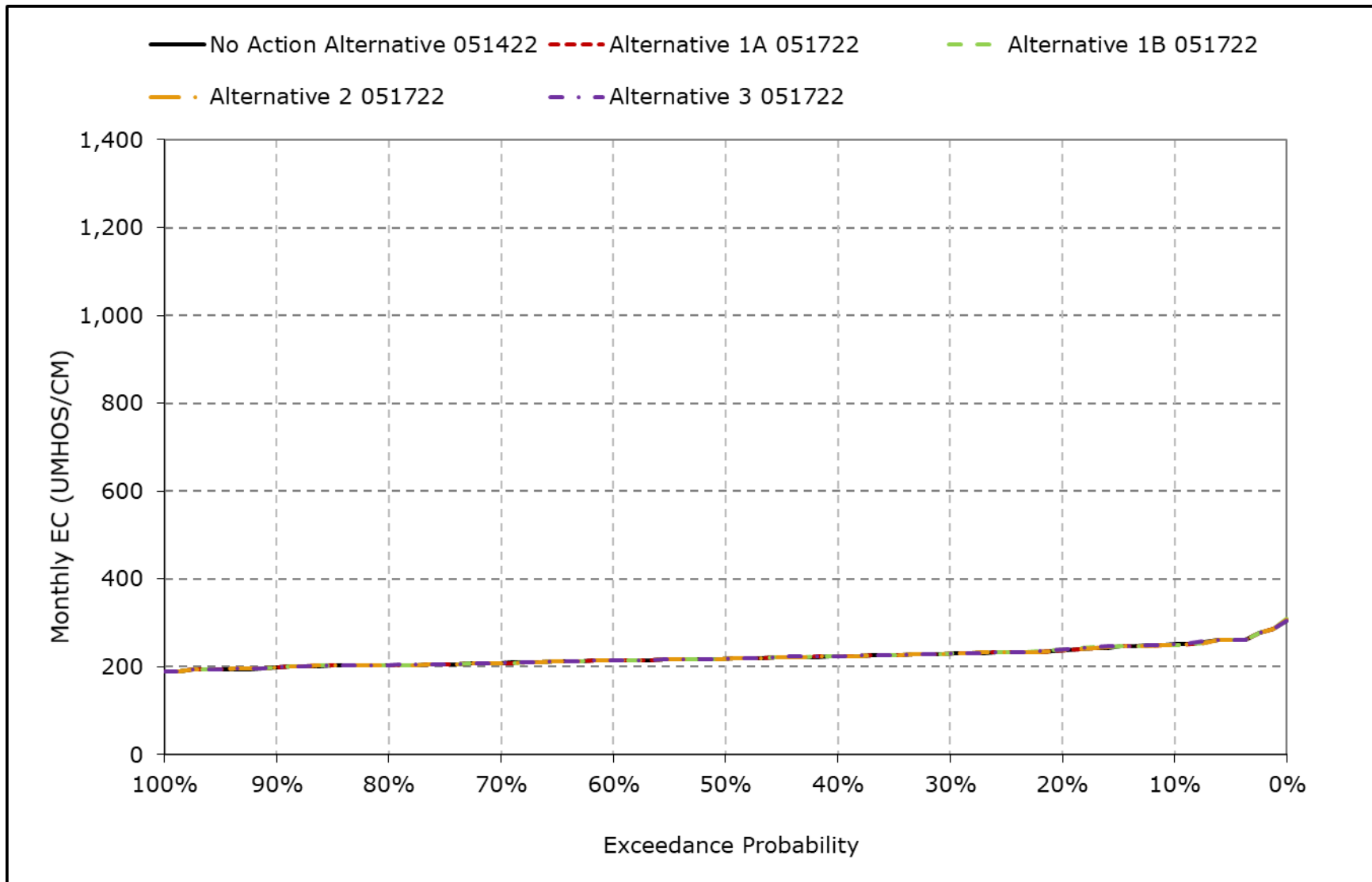
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-13-9. San Joaquin River at San Andreas Salinity, March EC**



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

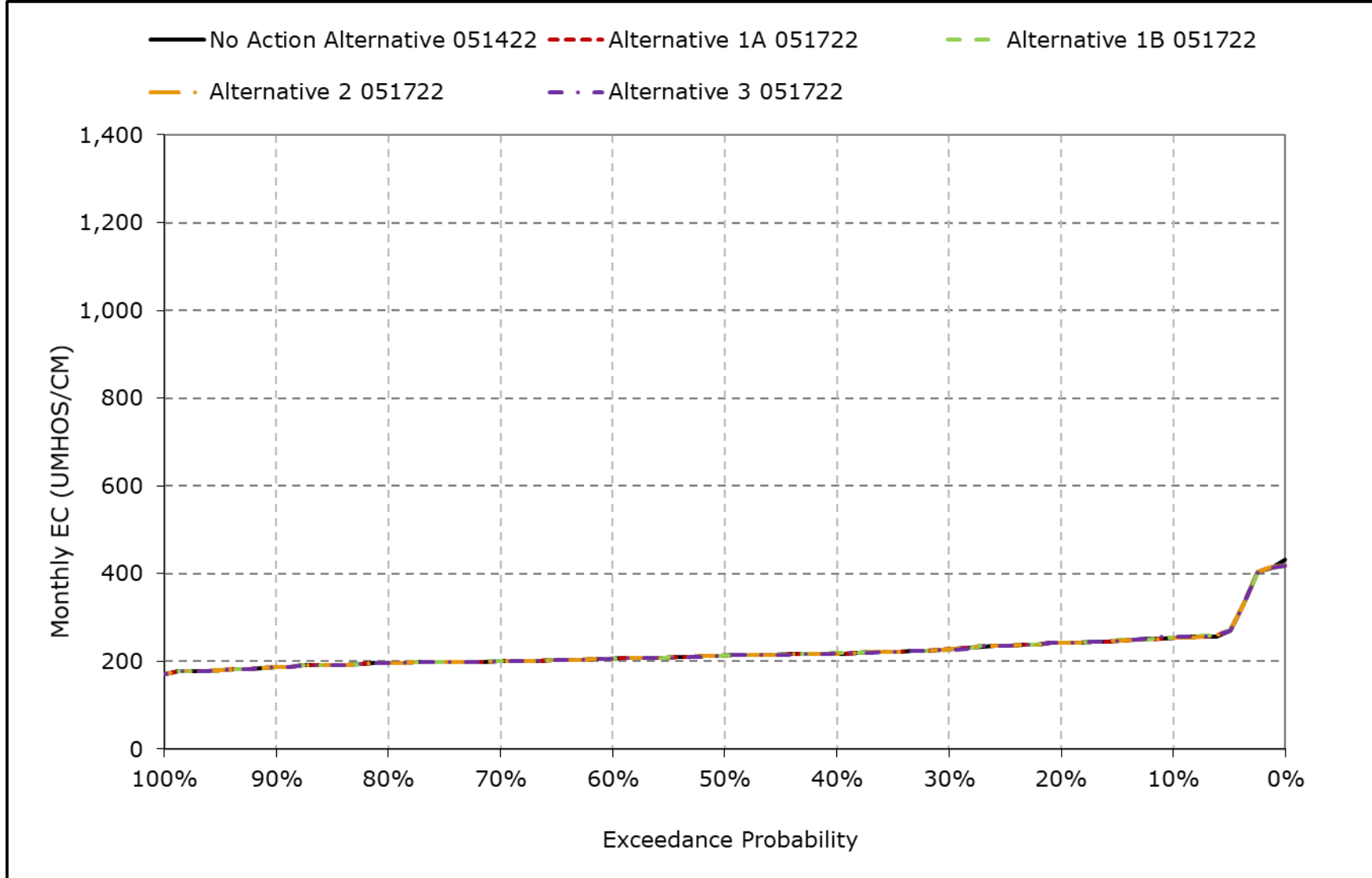
**Figure 6B1-13-10. San Joaquin River at San Andreas Salinity, April EC**



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

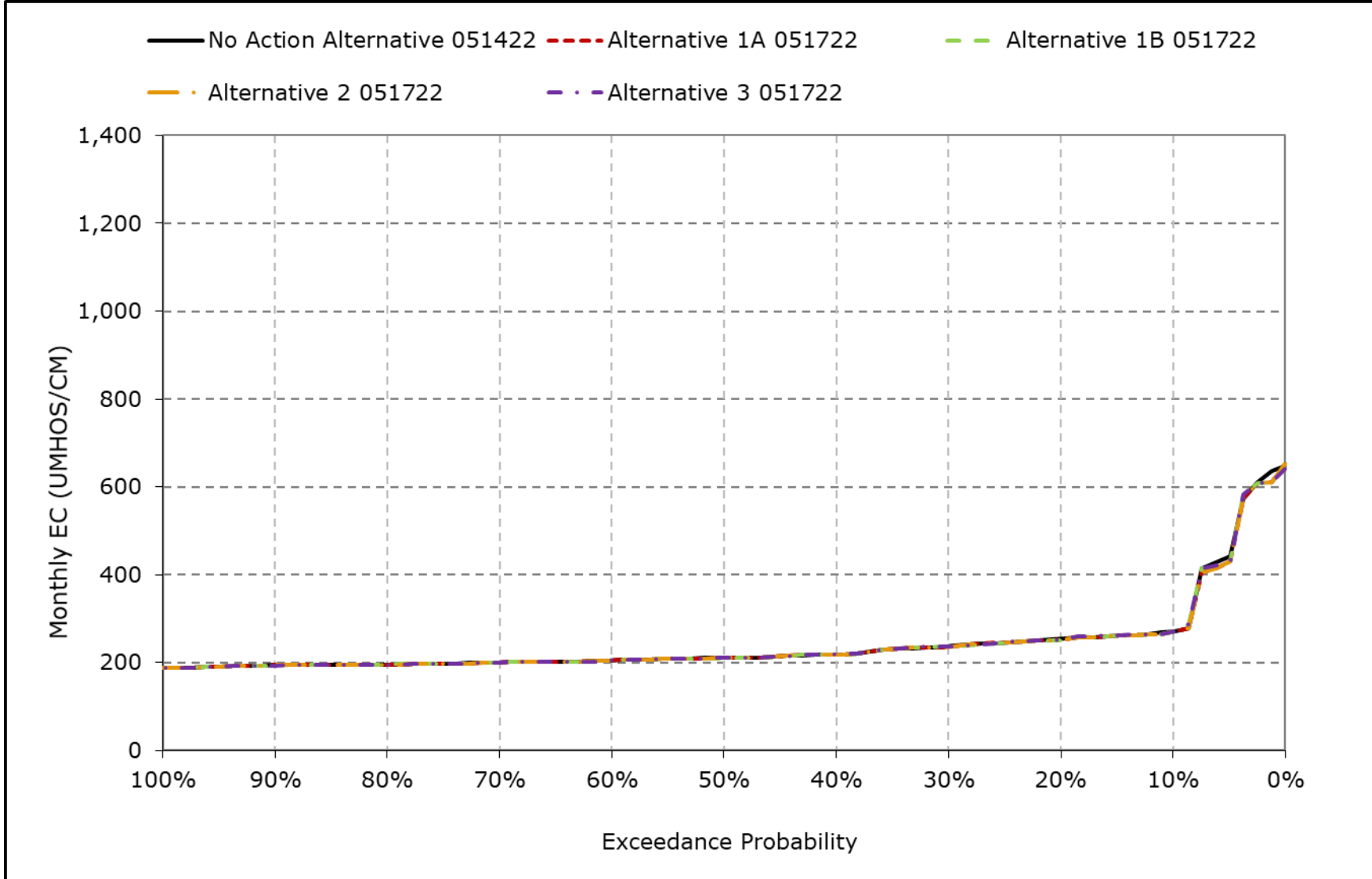


**Figure 6B1-13-11. San Joaquin River at San Andreas Salinity, May EC**



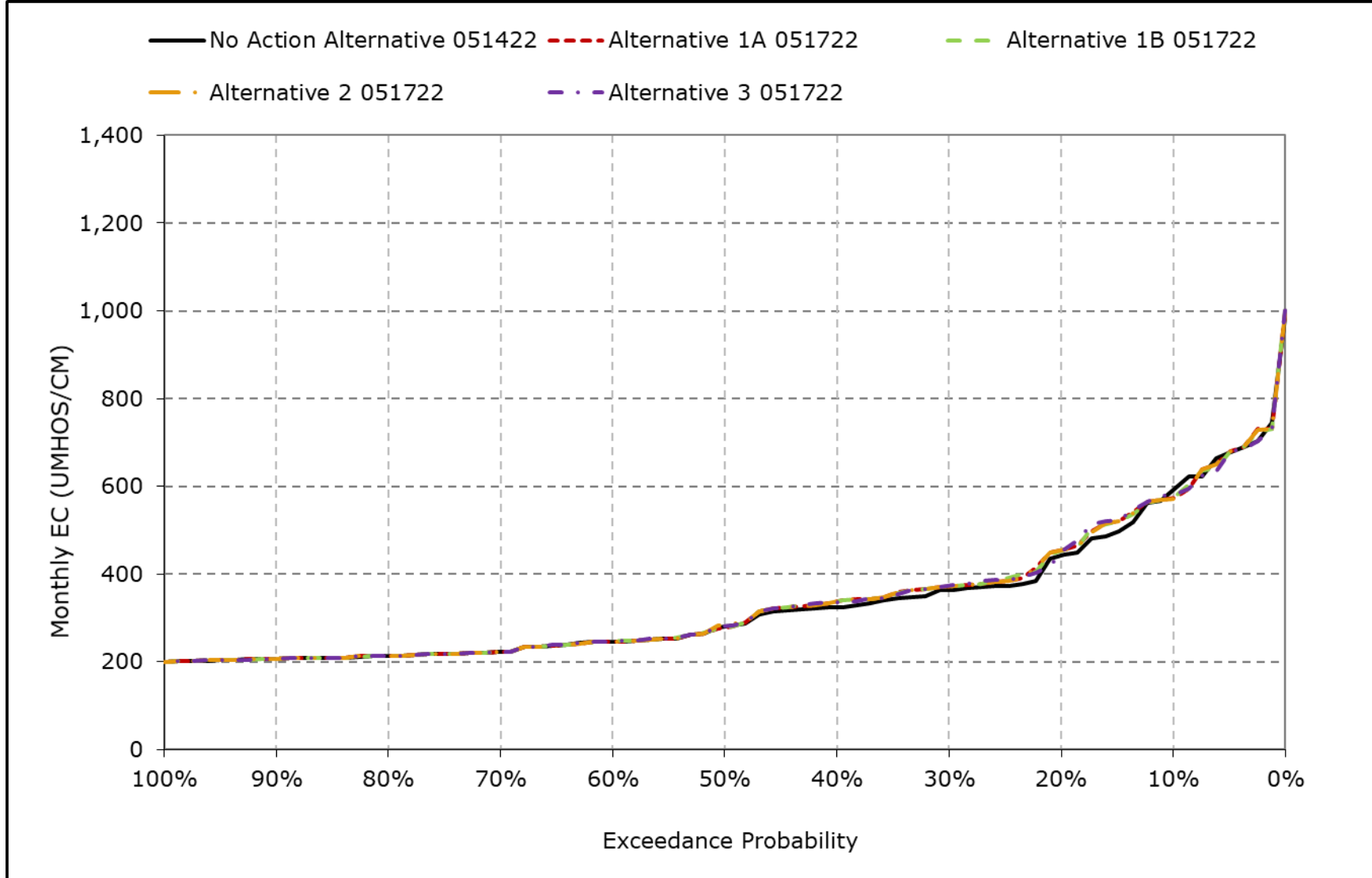
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-13-12. San Joaquin River at San Andreas Salinity, June EC**



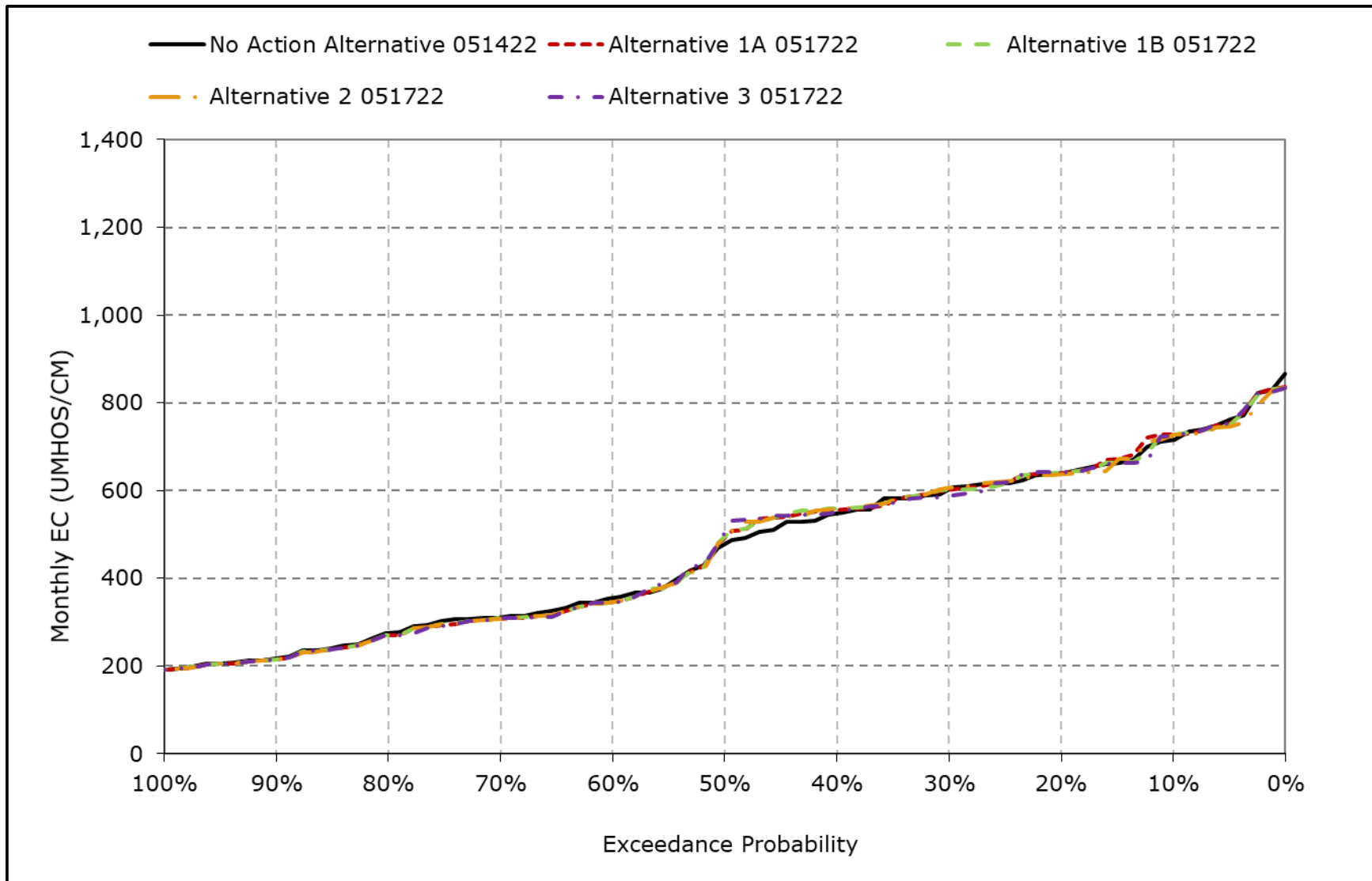
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-13-13. San Joaquin River at San Andreas Salinity, July EC**



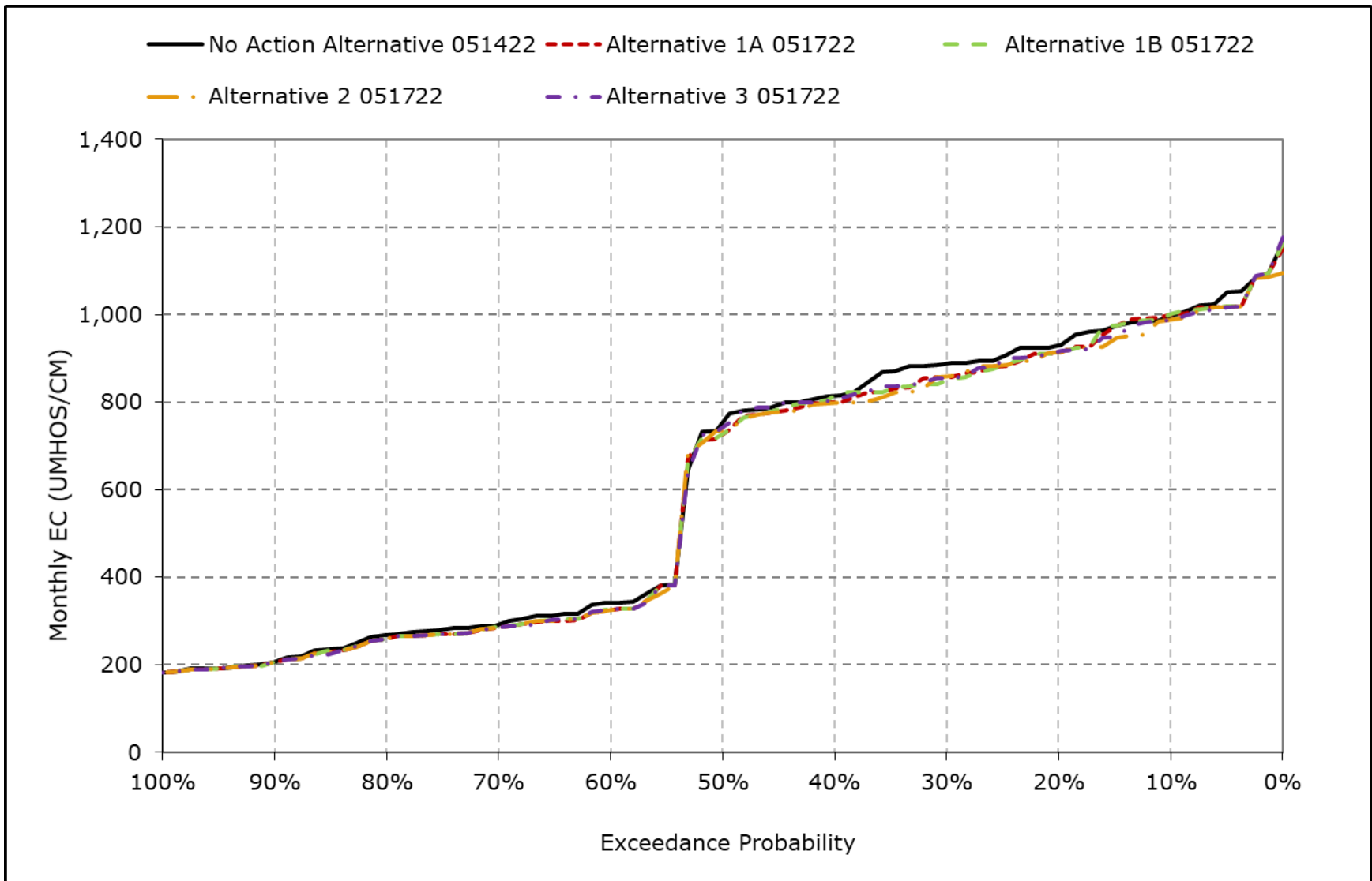
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-13-14. San Joaquin River at San Andreas Salinity, August EC**



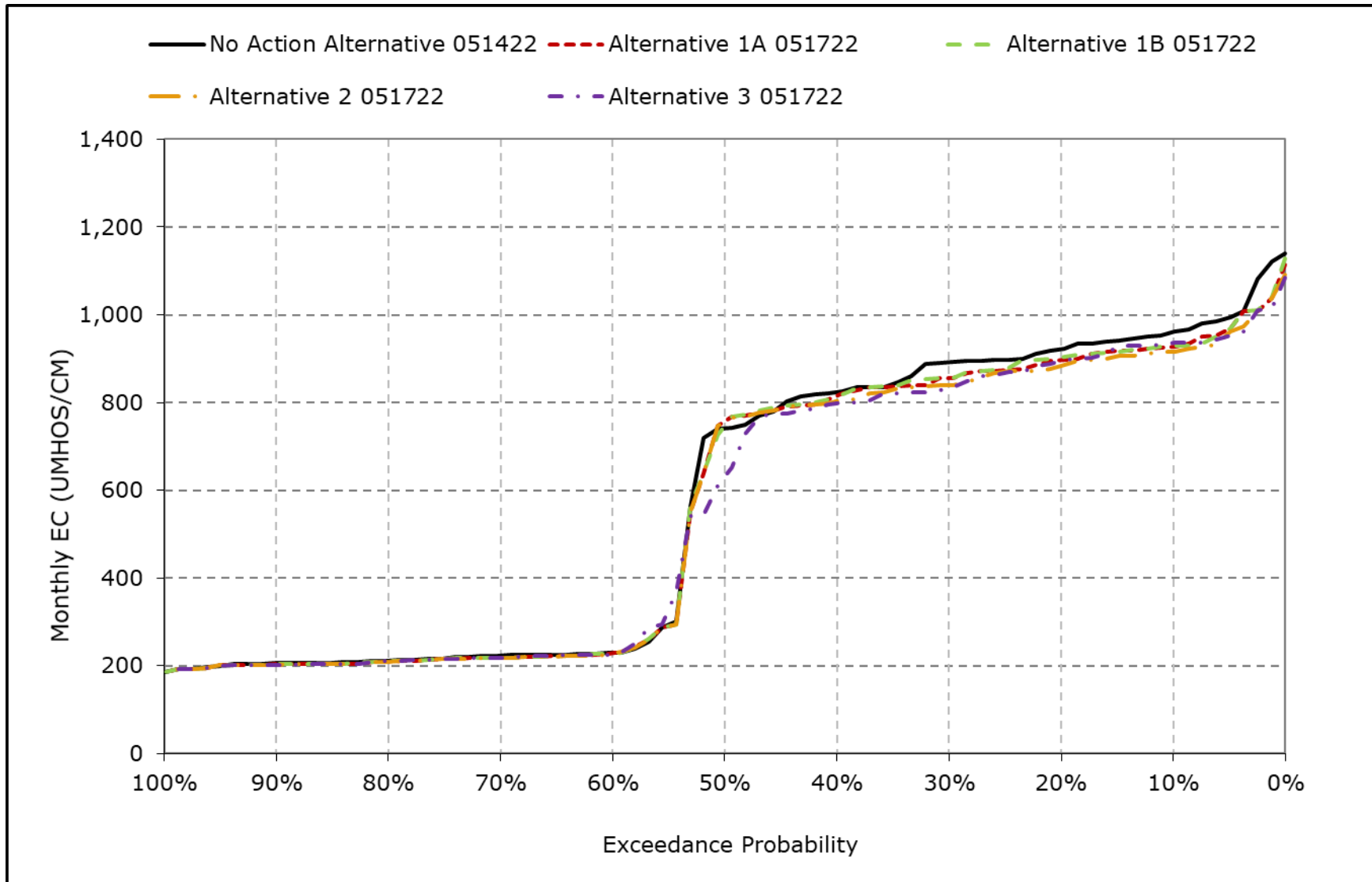
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-13-15. San Joaquin River at San Andreas Salinity, September EC**



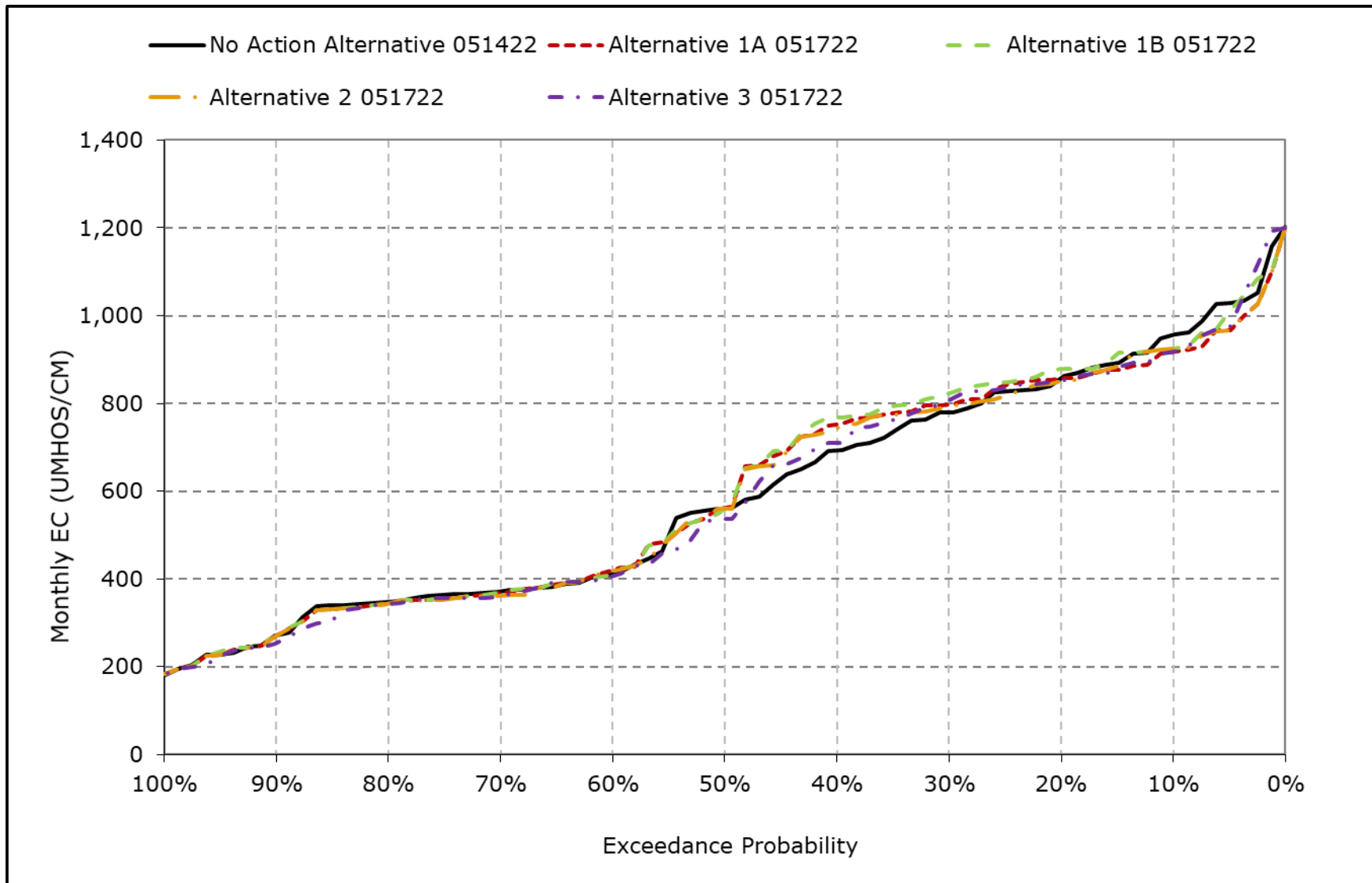
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-13-16. San Joaquin River at San Andreas Salinity, October EC**



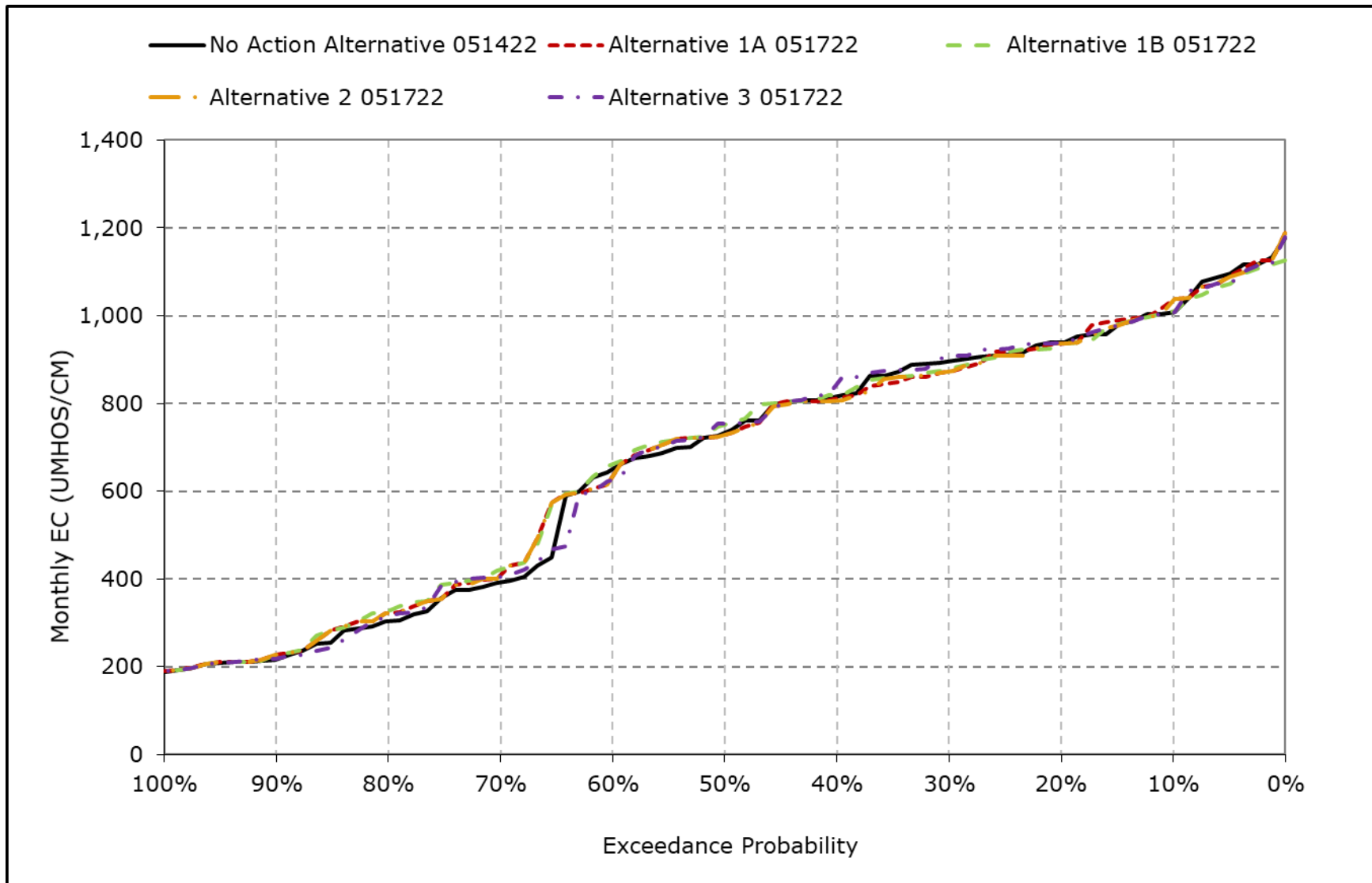
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-13-17. San Joaquin River at San Andreas Salinity, November EC**



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

**Figure 6B1-13-18. San Joaquin River at San Andreas Salinity, December EC**



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



**Table 6B1-14-1a. San Joaquin River at Prisoners Point, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	622	632	711	748	451	359	351	291	293	393	490	621
20% Exceedance	604	552	665	654	416	334	331	277	261	306	422	582
30% Exceedance	573	519	614	602	396	318	312	272	251	274	388	548
40% Exceedance	560	482	589	492	363	306	304	264	242	262	365	513
50% Exceedance	515	402	555	426	348	291	289	260	233	252	324	465
60% Exceedance	229	303	513	368	315	284	279	255	226	237	263	280
70% Exceedance	216	267	397	340	294	275	262	248	223	227	244	253
80% Exceedance	211	256	313	313	276	255	251	241	217	217	227	233
90% Exceedance	201	225	268	294	256	239	238	212	211	207	217	208
<b>Full Simulation Period Average<sup>a</sup></b>	413	412	514	477	348	298	291	257	248	274	331	412
<b>Wet Water Years (32%)</b>	209	251	432	346	316	290	263	234	243	228	230	232
<b>Above Normal Years (15%)</b>	219	300	532	455	355	316	299	260	238	223	249	256
<b>Below Normal Years (17%)</b>	596	514	509	519	342	301	317	270	224	254	380	597
<b>Dry Water Years (22%)</b>	568	544	536	540	351	292	313	265	230	311	416	519
<b>Critical Water Years (15%)</b>	600	556	644	640	413	303	280	279	320	393	450	582

**Table 6B1-14-1b. San Joaquin River at Prisoners Point, Alternative 1A 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	625	610	711	748	448	361	351	291	291	387	501	621
20% Exceedance	595	570	659	664	418	335	331	279	261	309	428	574
30% Exceedance	577	529	615	599	396	318	312	272	252	280	399	544
40% Exceedance	549	492	589	492	367	307	304	264	242	265	371	506
50% Exceedance	520	417	564	415	353	291	289	260	233	257	339	466
60% Exceedance	226	311	515	362	314	283	279	255	225	237	262	271
70% Exceedance	213	265	417	336	293	274	262	248	222	226	242	248
80% Exceedance	208	251	338	315	276	256	249	240	217	217	225	228
90% Exceedance	200	226	268	294	257	241	238	212	210	207	216	207
<b>Full Simulation Period Average<sup>a</sup></b>	410	415	519	477	349	299	291	257	247	276	335	410
<b>Wet Water Years (32%)</b>	208	251	432	349	316	290	263	234	243	228	229	228
<b>Above Normal Years (15%)</b>	217	293	532	459	357	317	299	260	238	223	247	251
<b>Below Normal Years (17%)</b>	579	535	532	505	341	301	317	270	224	254	378	583
<b>Dry Water Years (22%)</b>	569	551	540	548	355	294	313	264	230	320	431	520
<b>Critical Water Years (15%)</b>	603	548	646	636	414	304	281	279	318	394	458	595

**Table 6B1-14-1c. San Joaquin River at Prisoners Point, Alternative 1A 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	3	-22	0	0	-3	1	0	0	-1	-6	11	0
20% Exceedance	-10	18	-6	11	2	1	0	1	0	4	6	-8
30% Exceedance	5	9	0	-3	-1	1	0	0	1	5	11	-4
40% Exceedance	-11	10	0	0	4	2	0	0	0	3	7	-7
50% Exceedance	5	15	9	-11	4	0	0	0	-1	5	15	1
60% Exceedance	-2	8	2	-6	-1	-1	0	0	-1	0	-1	-9
70% Exceedance	-3	-2	20	-4	0	-1	0	0	0	-1	-2	-5
80% Exceedance	-2	-5	25	2	0	1	-2	-2	0	0	-2	-5
90% Exceedance	-1	0	1	0	1	2	0	0	0	0	-1	-2
<b>Full Simulation Period Average<sup>a</sup></b>	-3	3	5	0	1	1	0	0	-1	2	3	-2
<b>Wet Water Years (32%)</b>	-1	0	0	3	0	0	0	0	0	0	-1	-4
<b>Above Normal Years (15%)</b>	-2	-7	0	5	2	0	0	0	0	0	-2	-5
<b>Below Normal Years (17%)</b>	-16	22	23	-14	-1	0	0	0	0	0	-2	-14
<b>Dry Water Years (22%)</b>	1	7	4	8	4	1	0	0	0	9	15	1
<b>Critical Water Years (15%)</b>	3	-8	2	-4	1	1	0	0	-3	1	7	13

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-14-2a. San Joaquin River at Prisoners Point, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	622	632	711	748	451	359	351	291	293	393	490	621
<b>20% Exceedance</b>	604	552	665	654	416	334	331	277	261	306	422	582
<b>30% Exceedance</b>	573	519	614	602	396	318	312	272	251	274	388	548
<b>40% Exceedance</b>	560	482	589	492	363	306	304	264	242	262	365	513
<b>50% Exceedance</b>	515	402	555	426	348	291	289	260	233	252	324	465
<b>60% Exceedance</b>	229	303	513	368	315	284	279	255	226	237	263	280
<b>70% Exceedance</b>	216	267	397	340	294	275	262	248	223	227	244	253
<b>80% Exceedance</b>	211	256	313	313	276	255	251	241	217	217	227	233
<b>90% Exceedance</b>	201	225	268	294	256	239	238	212	211	207	217	208
<b>Full Simulation Period Average<sup>a</sup></b>	413	412	514	477	348	298	291	257	248	274	331	412
<b>Wet Water Years (32%)</b>	209	251	432	346	316	290	263	234	243	228	230	232
<b>Above Normal Years (15%)</b>	219	300	532	455	355	316	299	260	238	223	249	256
<b>Below Normal Years (17%)</b>	596	514	509	519	342	301	317	270	224	254	380	597
<b>Dry Water Years (22%)</b>	568	544	536	540	351	292	313	265	230	311	416	519
<b>Critical Water Years (15%)</b>	600	556	644	640	413	303	280	279	320	393	450	582

**Table 6B1-14-2b. San Joaquin River at Prisoners Point, Alternative 1B 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	625	617	711	747	451	361	351	289	293	388	497	621
<b>20% Exceedance</b>	599	579	657	662	418	335	331	279	261	309	426	574
<b>30% Exceedance</b>	581	536	620	593	397	318	312	271	252	280	398	542
<b>40% Exceedance</b>	548	500	590	492	365	308	304	263	242	265	374	511
<b>50% Exceedance</b>	517	418	570	412	342	291	289	259	233	258	340	467
<b>60% Exceedance</b>	226	307	536	370	314	283	279	255	225	237	262	271
<b>70% Exceedance</b>	213	266	416	339	292	274	260	248	222	227	242	249
<b>80% Exceedance</b>	209	253	338	316	277	256	249	241	217	217	225	228
<b>90% Exceedance</b>	200	228	268	294	257	238	240	212	211	207	216	207
<b>Full Simulation Period Average<sup>a</sup></b>	410	419	521	477	349	298	291	257	247	276	334	410
<b>Wet Water Years (32%)</b>	208	251	432	349	316	290	263	234	243	228	229	228
<b>Above Normal Years (15%)</b>	217	294	531	459	357	316	299	260	238	223	247	251
<b>Below Normal Years (17%)</b>	583	538	534	521	343	301	317	270	224	254	377	584
<b>Dry Water Years (22%)</b>	569	567	547	531	352	293	313	263	230	321	430	519
<b>Critical Water Years (15%)</b>	604	549	646	640	415	303	279	278	318	394	456	594

**Table 6B1-14-2c. San Joaquin River at Prisoners Point, Alternative 1B 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	3	-15	-1	-1	-1	2	0	-2	0	-5	8	0
<b>20% Exceedance</b>	-5	27	-8	8	2	1	0	1	0	3	4	-7
<b>30% Exceedance</b>	8	16	6	-9	1	0	0	0	1	6	9	-6
<b>40% Exceedance</b>	-12	18	1	0	2	2	0	0	0	3	9	-2
<b>50% Exceedance</b>	2	16	15	-13	-7	0	0	0	0	6	16	2
<b>60% Exceedance</b>	-2	4	23	2	-1	-1	0	0	-1	0	-1	-9
<b>70% Exceedance</b>	-3	-2	19	-1	-1	-1	-2	0	0	0	-2	-4
<b>80% Exceedance</b>	-2	-3	25	3	1	1	-2	0	0	0	-1	-5
<b>90% Exceedance</b>	0	3	0	0	1	-1	2	0	0	0	-1	-2
<b>Full Simulation Period Average<sup>a</sup></b>	-2	7	7	0	1	0	0	0	0	2	3	-2
<b>Wet Water Years (32%)</b>	-1	0	0	3	0	0	0	0	0	0	-1	-3
<b>Above Normal Years (15%)</b>	-2	-6	0	4	2	0	0	0	0	0	-2	-5
<b>Below Normal Years (17%)</b>	-13	24	25	2	1	0	0	0	0	0	-3	-13
<b>Dry Water Years (22%)</b>	1	22	11	-10	0	1	0	-1	-1	10	15	0
<b>Critical Water Years (15%)</b>	3	-6	2	0	2	0	-1	-1	-2	0	5	12

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-14-3a. San Joaquin River at Prisoners Point, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	622	632	711	748	451	359	351	291	293	393	490	621
<b>20% Exceedance</b>	604	552	665	654	416	334	331	277	261	306	422	582
<b>30% Exceedance</b>	573	519	614	602	396	318	312	272	251	274	388	548
<b>40% Exceedance</b>	560	482	589	492	363	306	304	264	242	262	365	513
<b>50% Exceedance</b>	515	402	555	426	348	291	289	260	233	252	324	465
<b>60% Exceedance</b>	229	303	513	368	315	284	279	255	226	237	263	280
<b>70% Exceedance</b>	216	267	397	340	294	275	262	248	223	227	244	253
<b>80% Exceedance</b>	211	256	313	313	276	255	251	241	217	217	227	233
<b>90% Exceedance</b>	201	225	268	294	256	239	238	212	211	207	217	208
<b>Full Simulation Period Average<sup>a</sup></b>	413	412	514	477	348	298	291	257	248	274	331	412
<b>Wet Water Years (32%)</b>	209	251	432	346	316	290	263	234	243	228	230	232
<b>Above Normal Years (15%)</b>	219	300	532	455	355	316	299	260	238	223	249	256
<b>Below Normal Years (17%)</b>	596	514	509	519	342	301	317	270	224	254	380	597
<b>Dry Water Years (22%)</b>	568	544	536	540	351	292	313	265	230	311	416	519
<b>Critical Water Years (15%)</b>	600	556	644	640	413	303	280	279	320	393	450	582

**Table 6B1-14-3b. San Joaquin River at Prisoners Point, Alternative 2 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	617	613	710	746	448	361	351	291	292	385	499	616
<b>20% Exceedance</b>	589	559	657	661	418	335	331	279	261	309	428	568
<b>30% Exceedance</b>	570	518	615	599	396	318	312	272	252	280	399	543
<b>40% Exceedance</b>	545	489	592	492	367	306	304	264	242	265	371	506
<b>50% Exceedance</b>	508	412	560	413	352	291	289	260	233	257	339	473
<b>60% Exceedance</b>	226	310	515	362	314	283	279	255	225	237	262	271
<b>70% Exceedance</b>	213	262	419	336	293	272	262	248	222	228	242	248
<b>80% Exceedance</b>	209	252	338	315	276	256	249	240	217	217	225	228
<b>90% Exceedance</b>	200	225	268	294	257	241	238	212	210	207	216	207
<b>Full Simulation Period Average<sup>a</sup></b>	406	413	518	476	349	299	291	257	247	276	334	407
<b>Wet Water Years (32%)</b>	208	250	432	348	316	290	263	234	243	228	229	228
<b>Above Normal Years (15%)</b>	217	293	531	459	357	317	299	260	238	223	246	250
<b>Below Normal Years (17%)</b>	577	533	531	505	341	301	317	270	224	255	378	582
<b>Dry Water Years (22%)</b>	563	548	540	542	353	293	313	264	230	320	431	520
<b>Critical Water Years (15%)</b>	592	545	645	636	414	304	281	279	318	394	453	580

**Table 6B1-14-3c. San Joaquin River at Prisoners Point, Alternative 2 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-5	-19	-1	-3	-3	1	0	0	0	-8	10	-5
<b>20% Exceedance</b>	-16	6	-8	7	2	1	0	1	0	4	6	-14
<b>30% Exceedance</b>	-3	-2	1	-3	-1	1	0	0	1	5	11	-4
<b>40% Exceedance</b>	-15	8	3	0	4	0	0	0	0	3	7	-7
<b>50% Exceedance</b>	-8	10	5	-12	4	0	0	0	-1	5	15	7
<b>60% Exceedance</b>	-2	7	2	-6	-1	-1	0	0	-1	0	-1	-9
<b>70% Exceedance</b>	-3	-5	22	-4	0	-3	0	0	0	1	-2	-5
<b>80% Exceedance</b>	-2	-4	25	2	0	1	-2	-2	0	0	-2	-5
<b>90% Exceedance</b>	-1	0	1	0	1	2	0	0	0	0	-1	-2
<b>Full Simulation Period Average<sup>a</sup></b>	-6	1	5	-1	1	1	0	0	-1	2	3	-5
<b>Wet Water Years (32%)</b>	-1	0	0	2	0	0	0	0	0	0	-1	-4
<b>Above Normal Years (15%)</b>	-2	-8	0	4	1	1	0	0	0	0	-2	-6
<b>Below Normal Years (17%)</b>	-19	19	22	-14	-1	0	0	0	0	0	-1	-15
<b>Dry Water Years (22%)</b>	-5	4	4	2	2	1	0	0	0	9	15	1
<b>Critical Water Years (15%)</b>	-8	-11	1	-4	1	1	0	0	-2	0	3	-3

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-14-4a. San Joaquin River at Prisoners Point, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	622	632	711	748	451	359	351	291	293	393	490	621
<b>20% Exceedance</b>	604	552	665	654	416	334	331	277	261	306	422	582
<b>30% Exceedance</b>	573	519	614	602	396	318	312	272	251	274	388	548
<b>40% Exceedance</b>	560	482	589	492	363	306	304	264	242	262	365	513
<b>50% Exceedance</b>	515	402	555	426	348	291	289	260	233	252	324	465
<b>60% Exceedance</b>	229	303	513	368	315	284	279	255	226	237	263	280
<b>70% Exceedance</b>	216	267	397	340	294	275	262	248	223	227	244	253
<b>80% Exceedance</b>	211	256	313	313	276	255	251	241	217	217	227	233
<b>90% Exceedance</b>	201	225	268	294	256	239	238	212	211	207	217	208
<b>Full Simulation Period Average<sup>a</sup></b>	413	412	514	477	348	298	291	257	248	274	331	412
<b>Wet Water Years (32%)</b>	209	251	432	346	316	290	263	234	243	228	230	232
<b>Above Normal Years (15%)</b>	219	300	532	455	355	316	299	260	238	223	249	256
<b>Below Normal Years (17%)</b>	596	514	509	519	342	301	317	270	224	254	380	597
<b>Dry Water Years (22%)</b>	568	544	536	540	351	292	313	265	230	311	416	519
<b>Critical Water Years (15%)</b>	600	556	644	640	413	303	280	279	320	393	450	582

**Table 6B1-14-4b. San Joaquin River at Prisoners Point, Alternative 3 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	618	617	695	762	452	359	351	291	293	390	499	620
<b>20% Exceedance</b>	594	551	658	672	418	338	333	279	261	307	428	570
<b>30% Exceedance</b>	560	519	627	602	397	319	313	270	252	278	395	544
<b>40% Exceedance</b>	539	481	607	493	366	307	304	263	242	265	370	511
<b>50% Exceedance</b>	482	403	567	409	351	291	289	259	233	257	343	472
<b>60% Exceedance</b>	227	297	517	372	317	283	279	255	225	237	262	271
<b>70% Exceedance</b>	213	262	405	339	294	277	260	249	222	225	242	244
<b>80% Exceedance</b>	209	254	326	311	276	256	249	240	217	217	224	227
<b>90% Exceedance</b>	202	228	256	294	257	239	238	211	210	207	216	207
<b>Full Simulation Period Average<sup>a</sup></b>	406	411	516	480	350	299	291	257	247	276	334	408
<b>Wet Water Years (32%)</b>	208	253	434	348	316	290	263	234	243	228	229	228
<b>Above Normal Years (15%)</b>	221	300	521	464	359	317	300	260	238	224	246	250
<b>Below Normal Years (17%)</b>	562	505	505	509	342	301	317	270	224	254	375	583
<b>Dry Water Years (22%)</b>	563	549	554	547	355	294	313	263	229	320	431	520
<b>Critical Water Years (15%)</b>	601	551	647	649	415	302	279	278	318	392	453	587

**Table 6B1-14-4c. San Joaquin River at Prisoners Point, Alternative 3 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

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

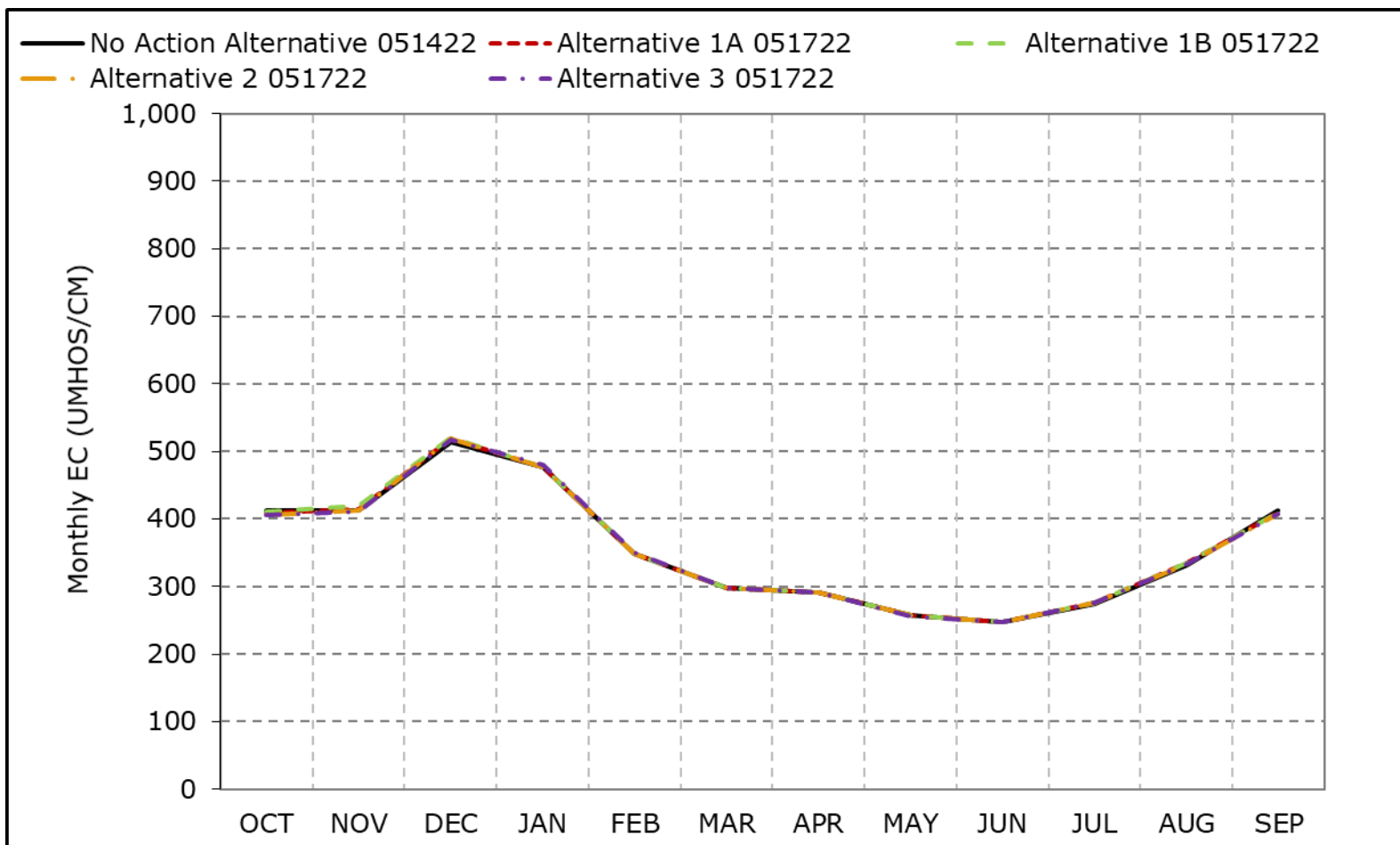
<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Figure 6B1-14-1. San Joaquin River at Prisoners Point, Long-Term Average EC**

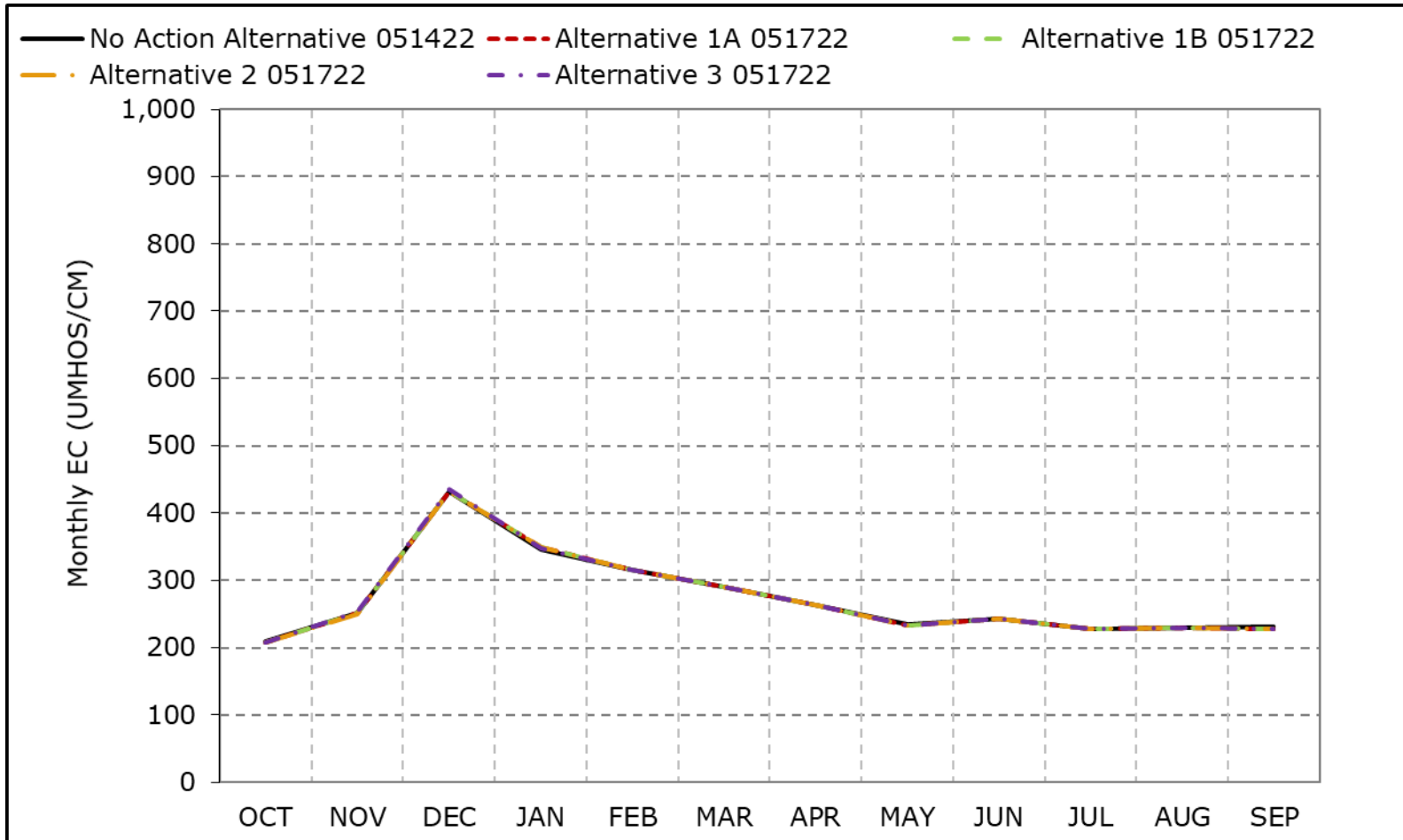


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-14-2. San Joaquin River at Prisoners Point, Wet Year Average EC**

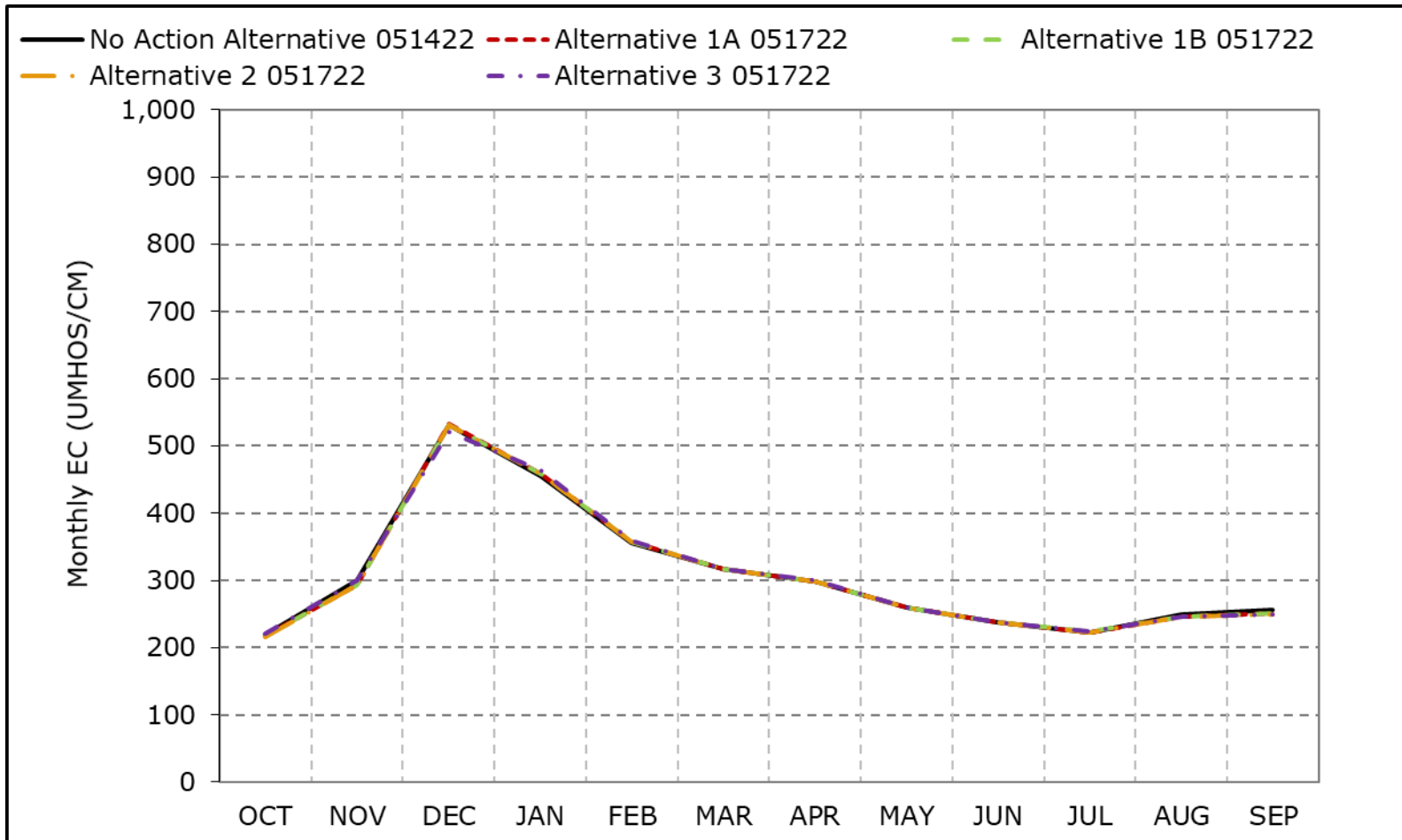


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-14-3. San Joaquin River at Prisoners Point, Above Normal Year Average EC**

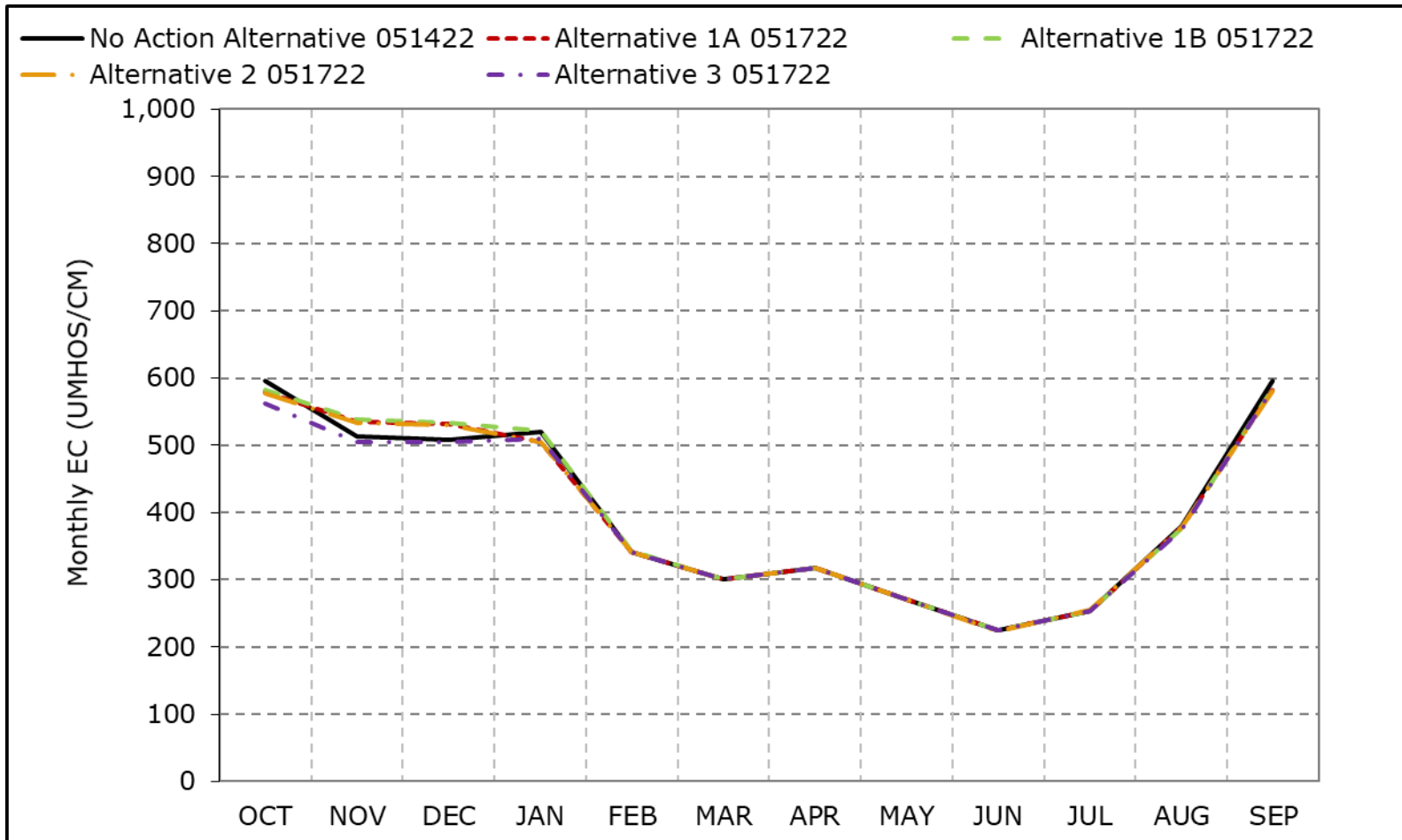


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-14-4. San Joaquin River at Prisoners Point, Below Normal Year Average EC**



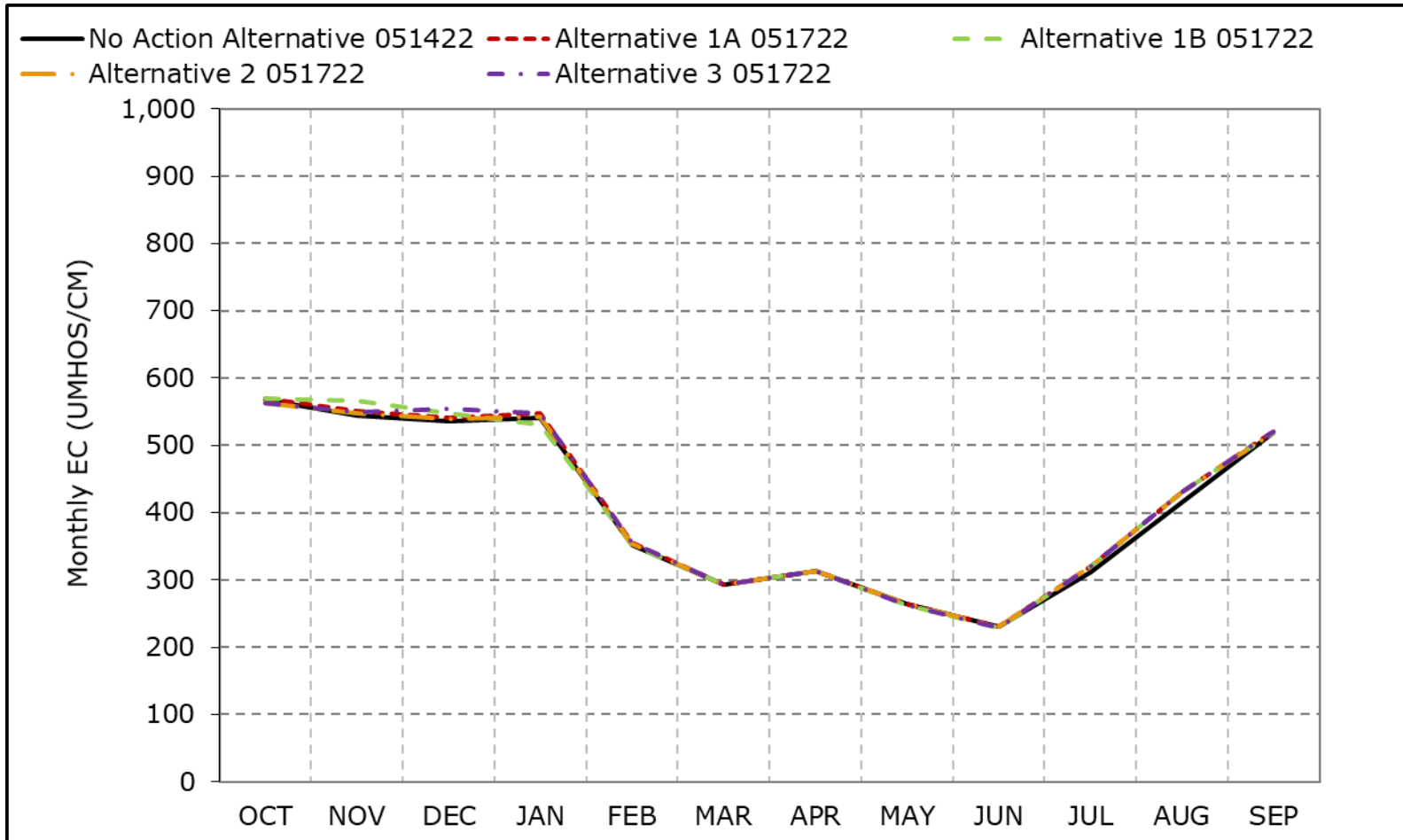
\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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



**Figure 6B1-14-5. San Joaquin River at Prisoners Point, Dry Year Average EC**

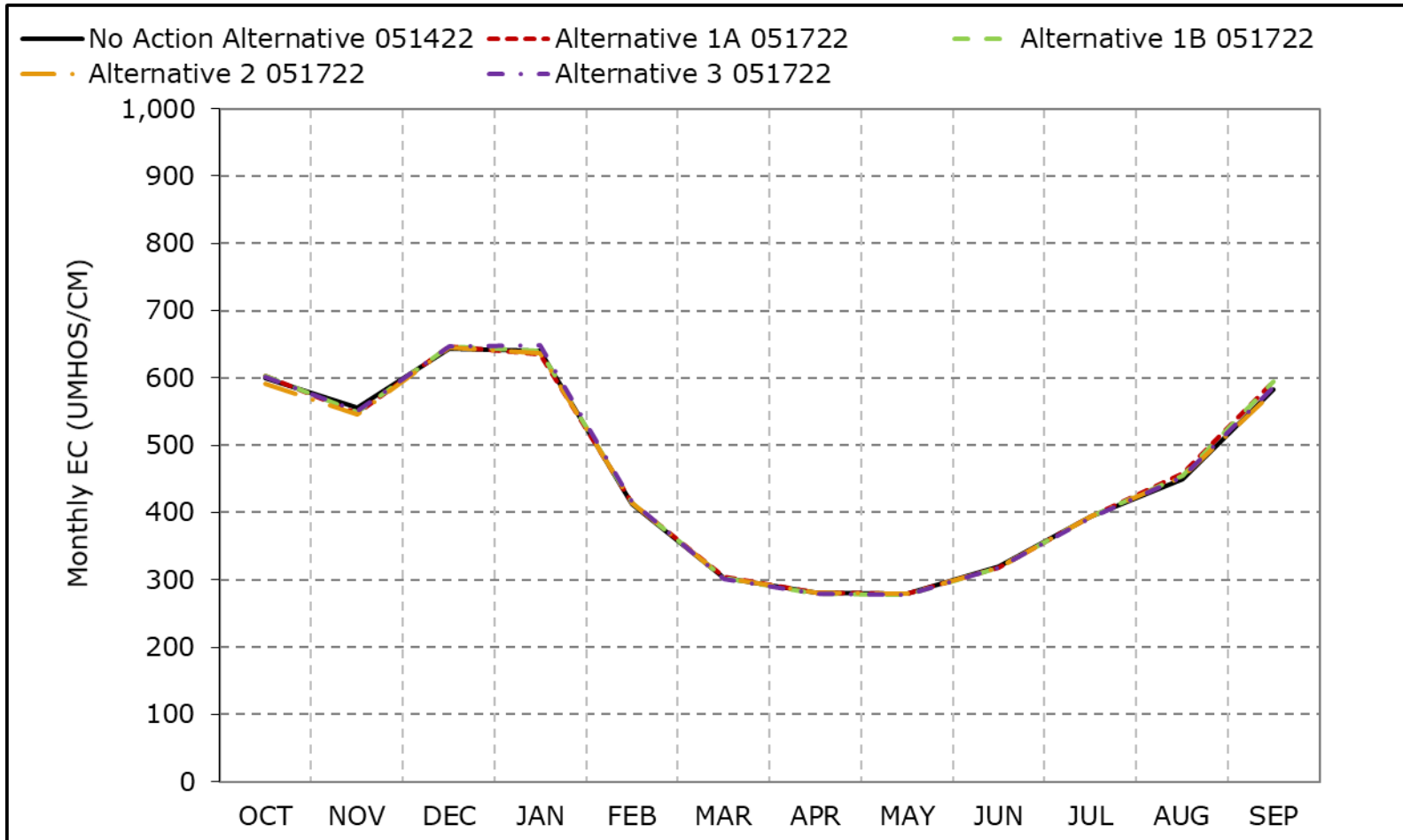


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-14-6. San Joaquin River at Prisoners Point, Critical Year Average EC**

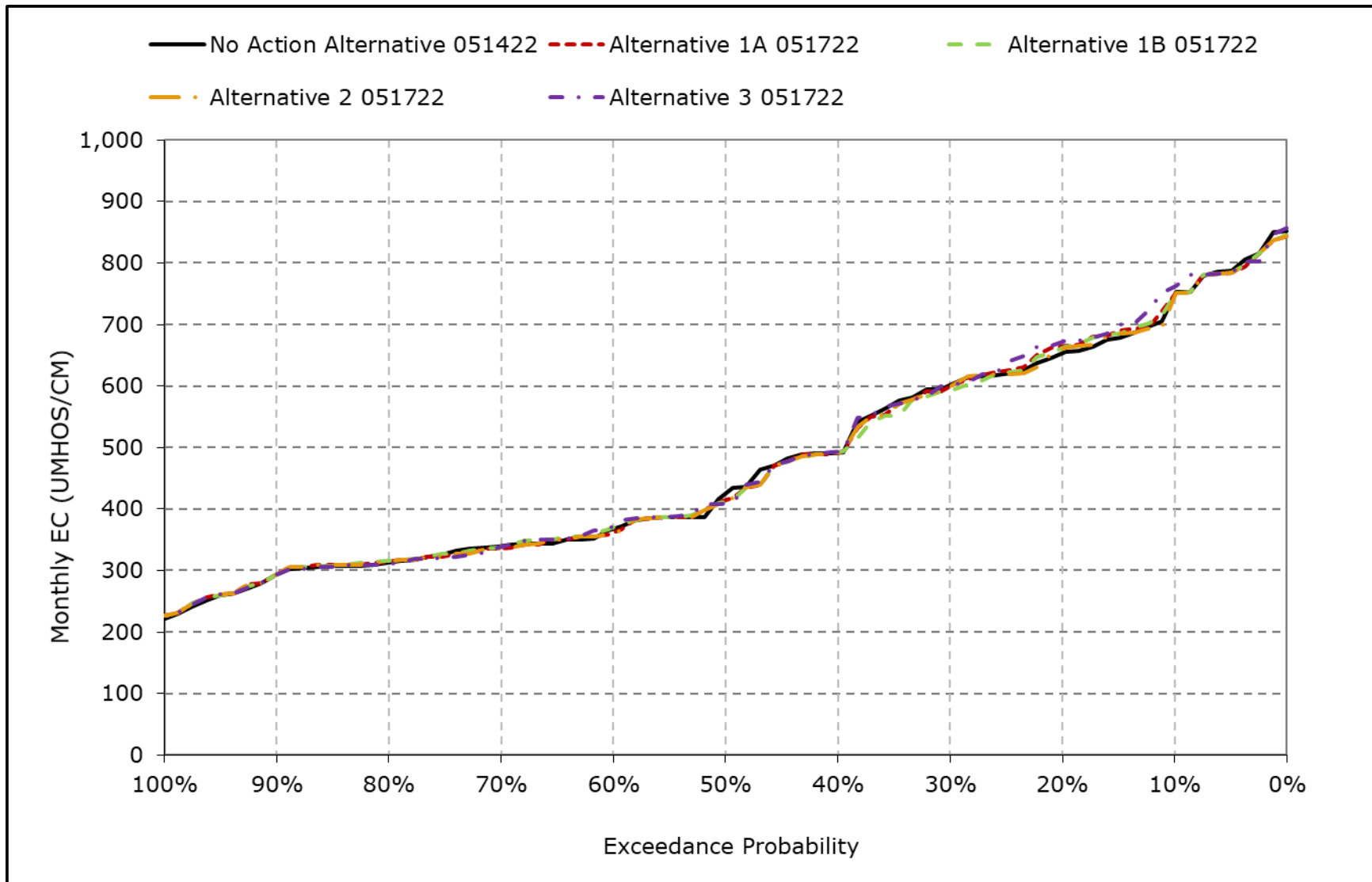


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

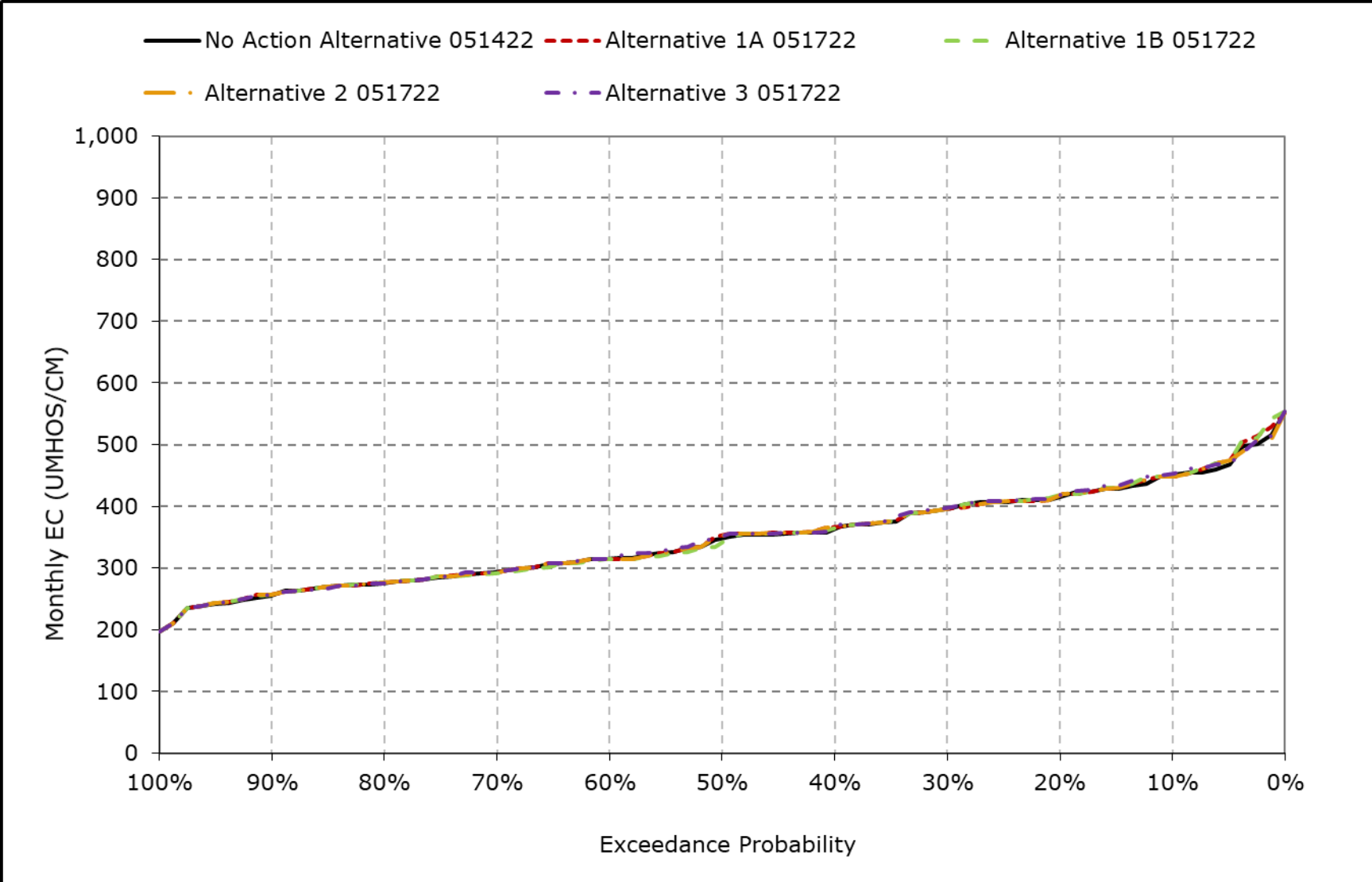
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-14-7. San Joaquin River at Prisoners Point Salinity, January EC**



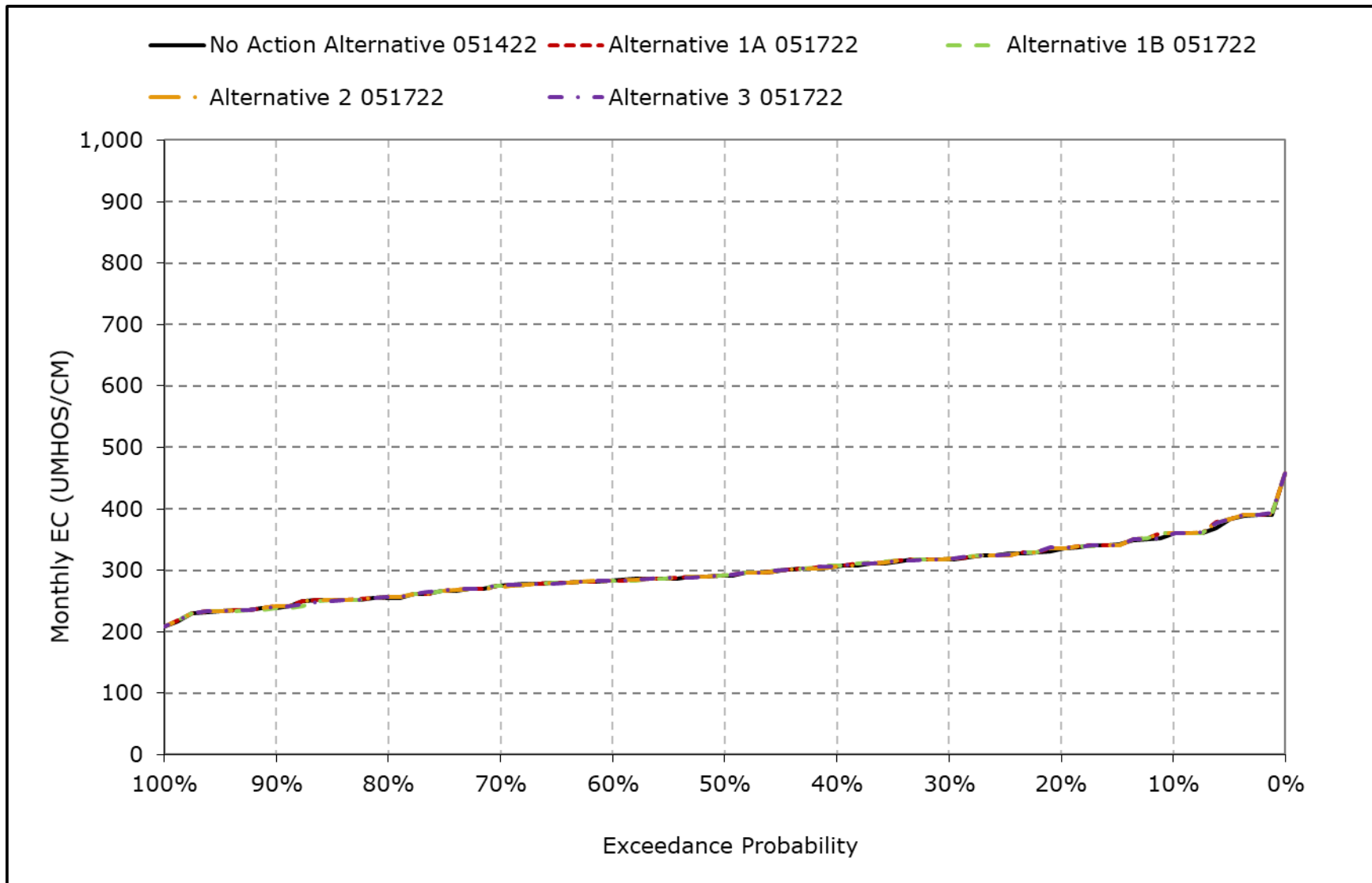
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-14-8. San Joaquin River at Prisoners Point Salinity, February EC**



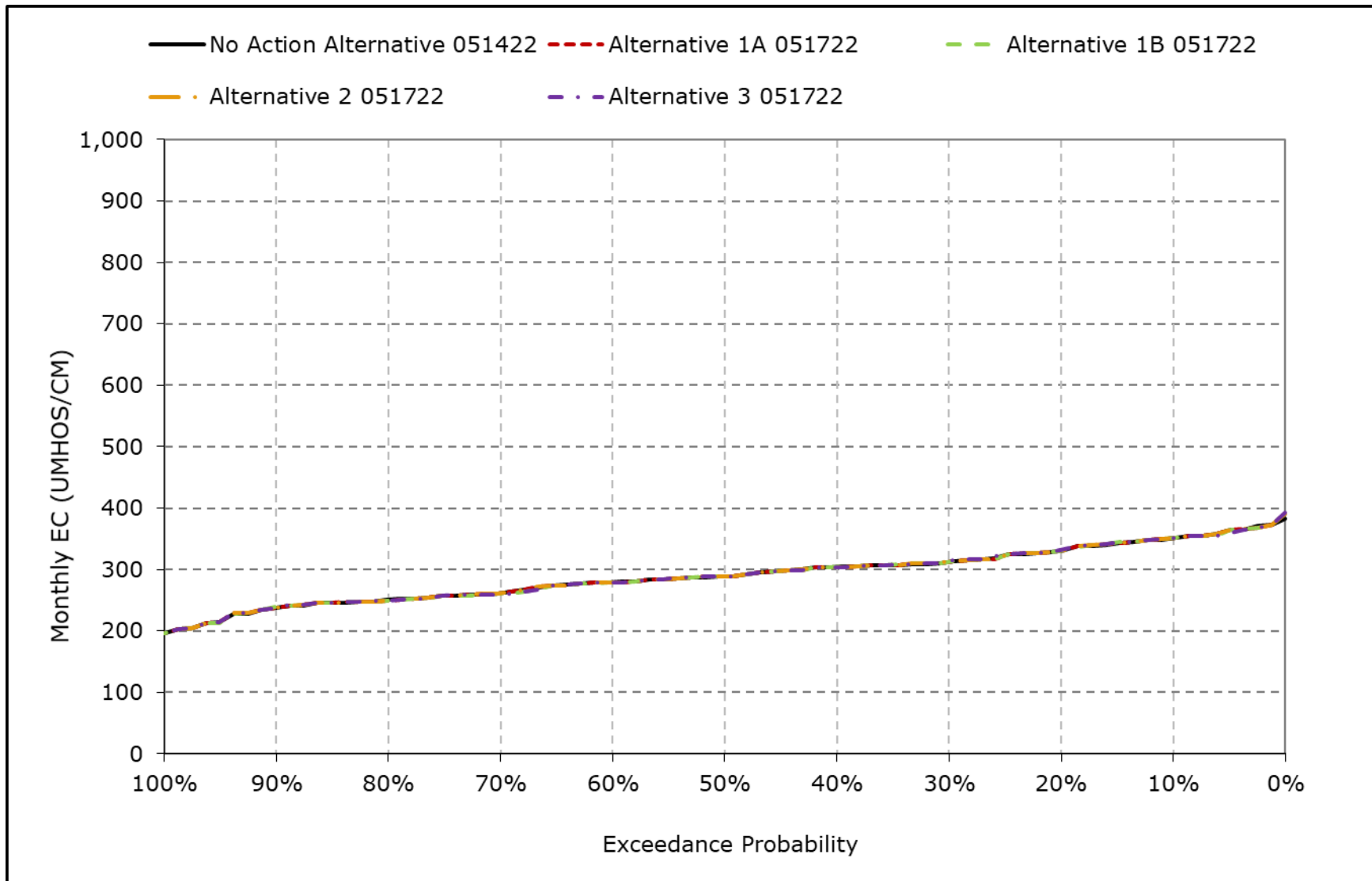
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-14-9. San Joaquin River at Prisoners Point Salinity, March EC**



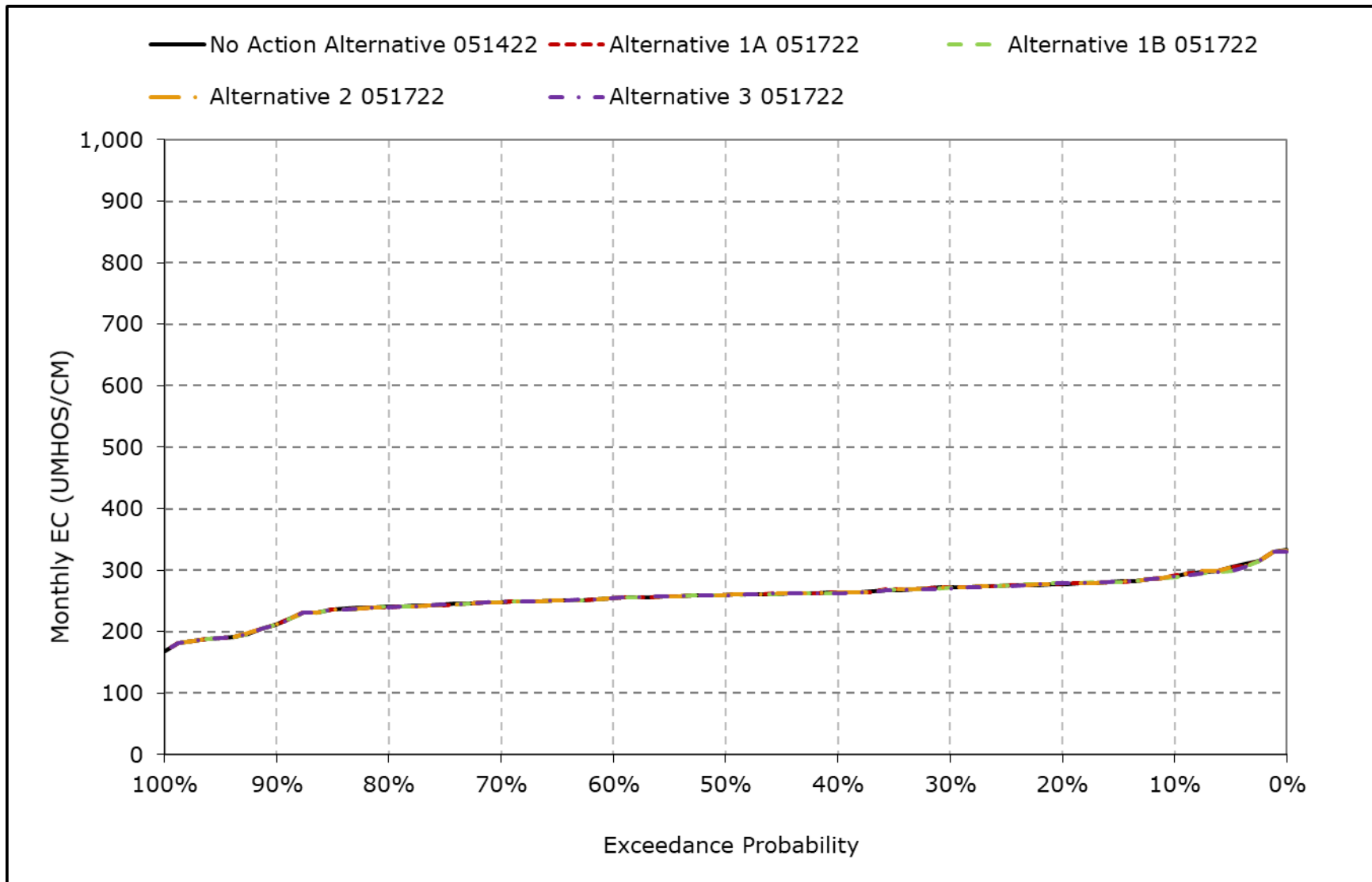
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-14-10. San Joaquin River at Prisoners Point Salinity, April EC**



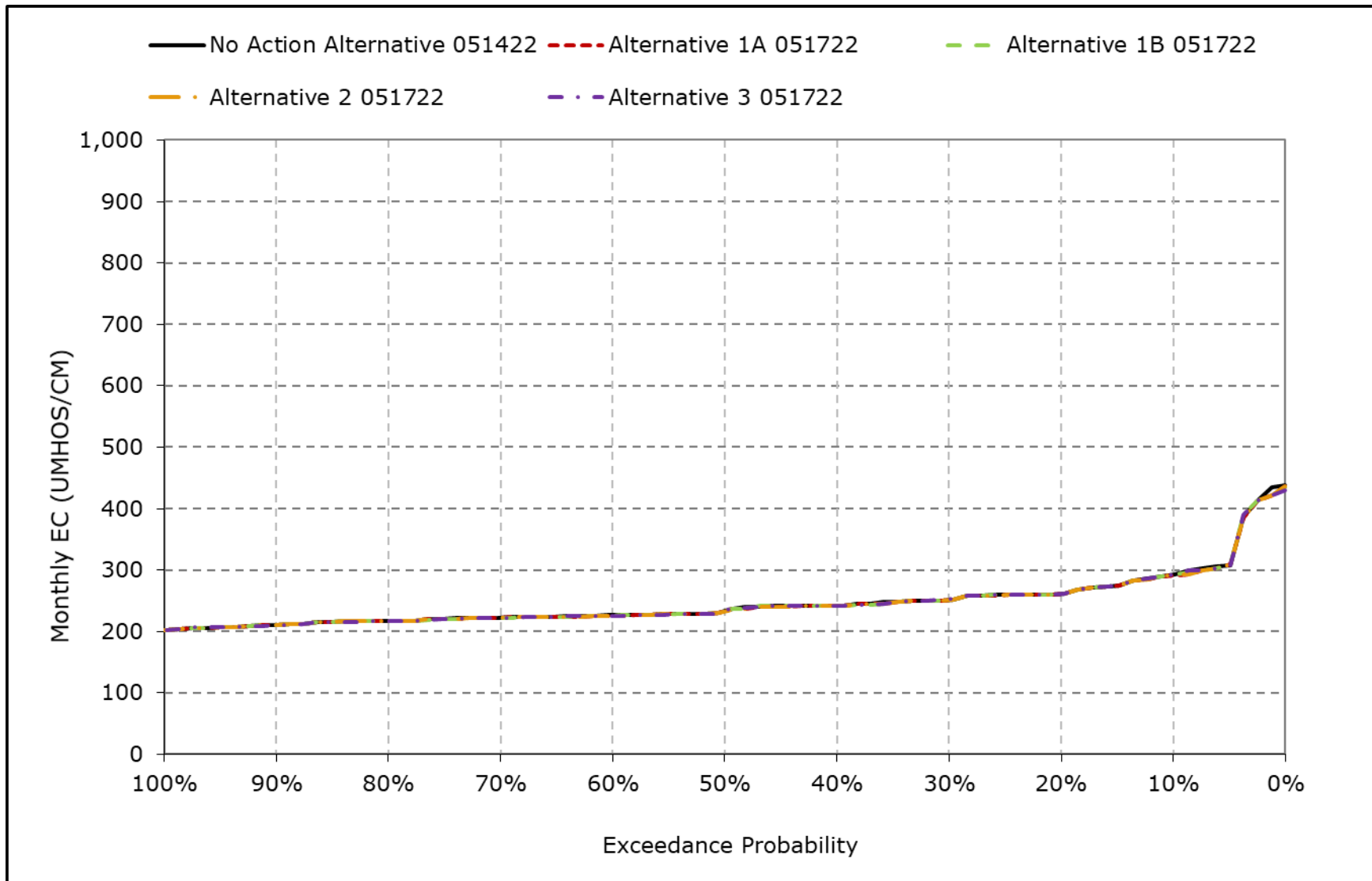
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-14-11. San Joaquin River at Prisoners Point Salinity, May EC**



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

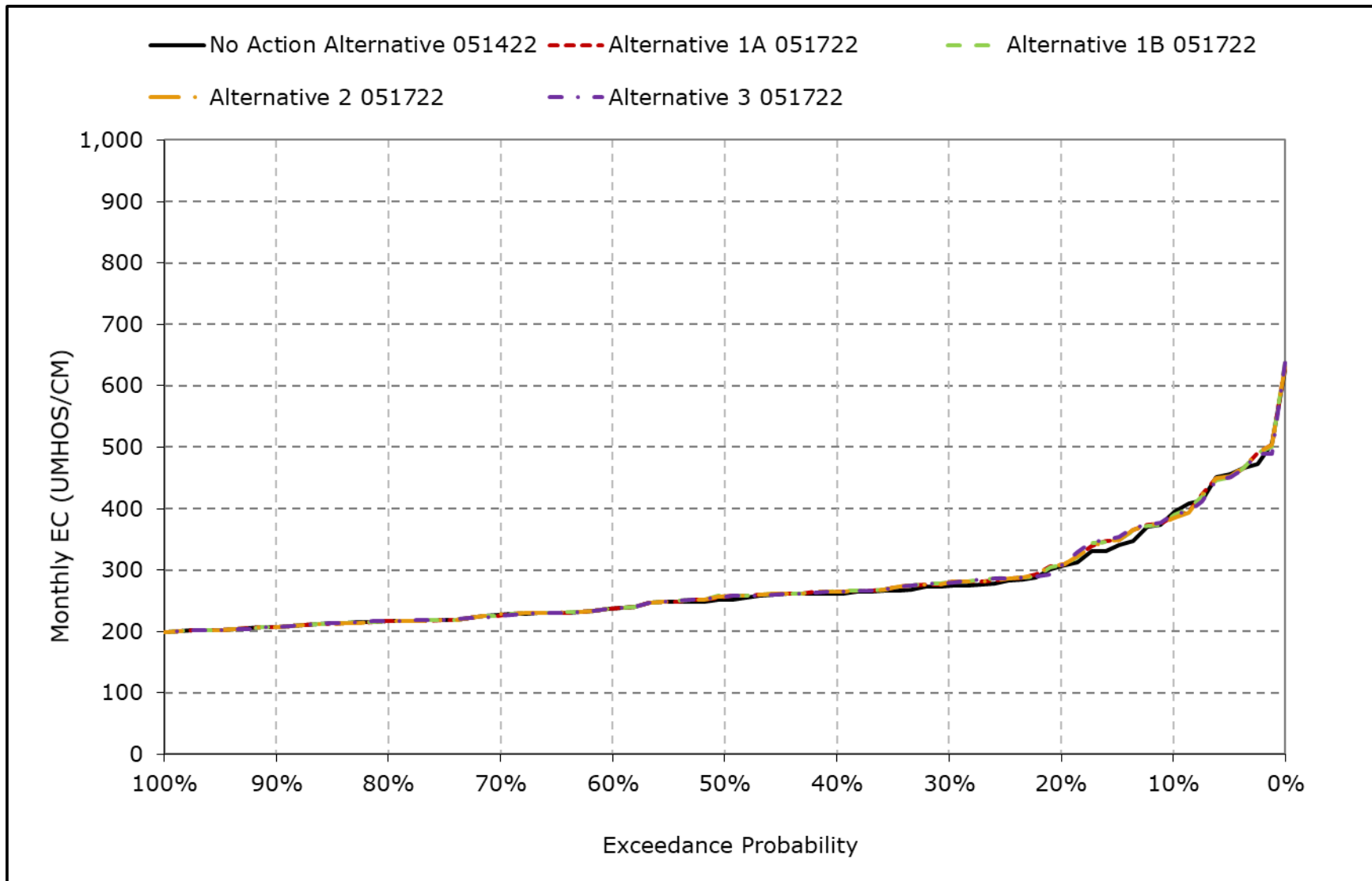
**Figure 6B1-14-12. San Joaquin River at Prisoners Point Salinity, June EC**



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

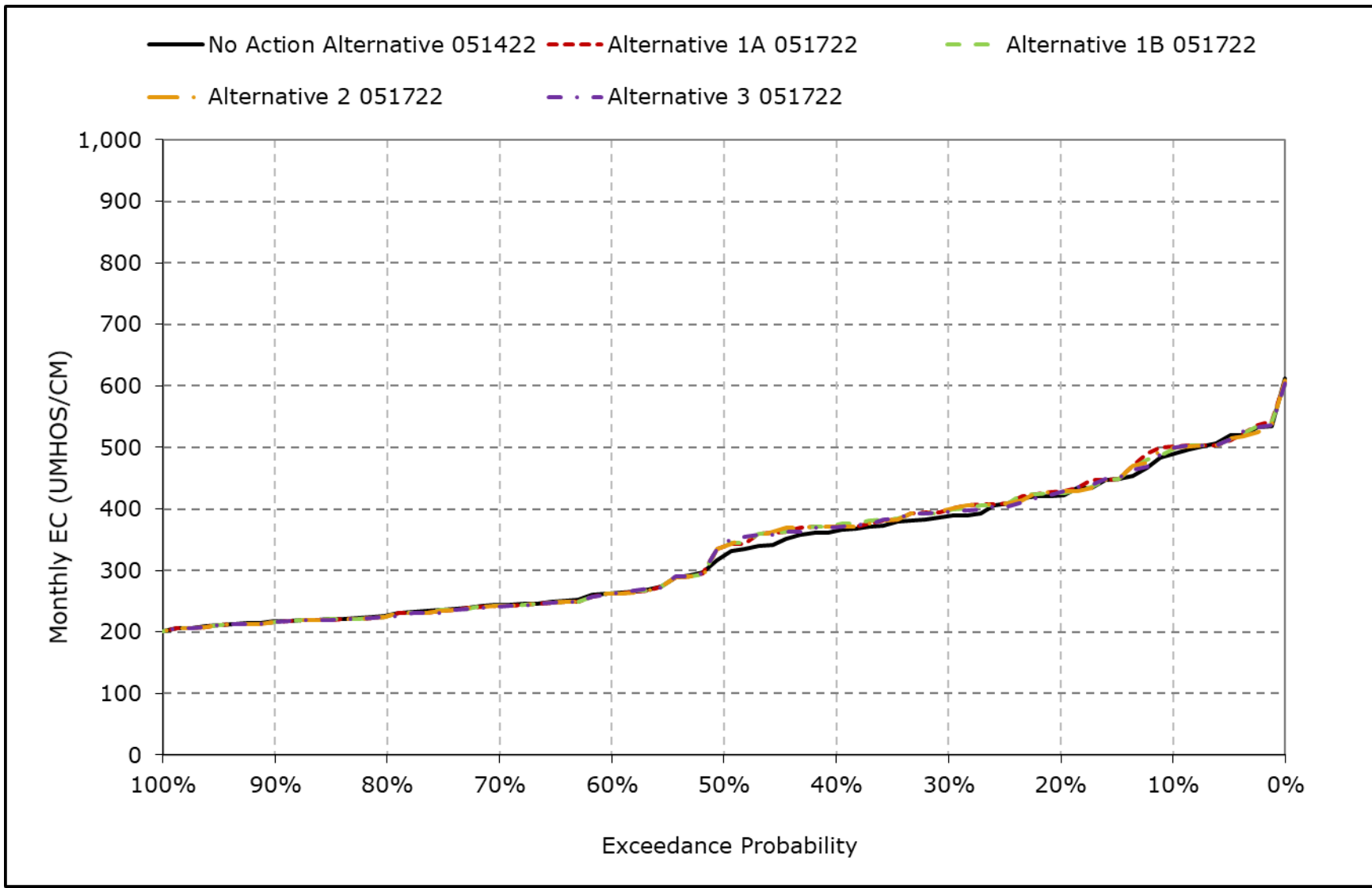


**Figure 6B1-14-13. San Joaquin River at Prisoners Point Salinity, July EC**



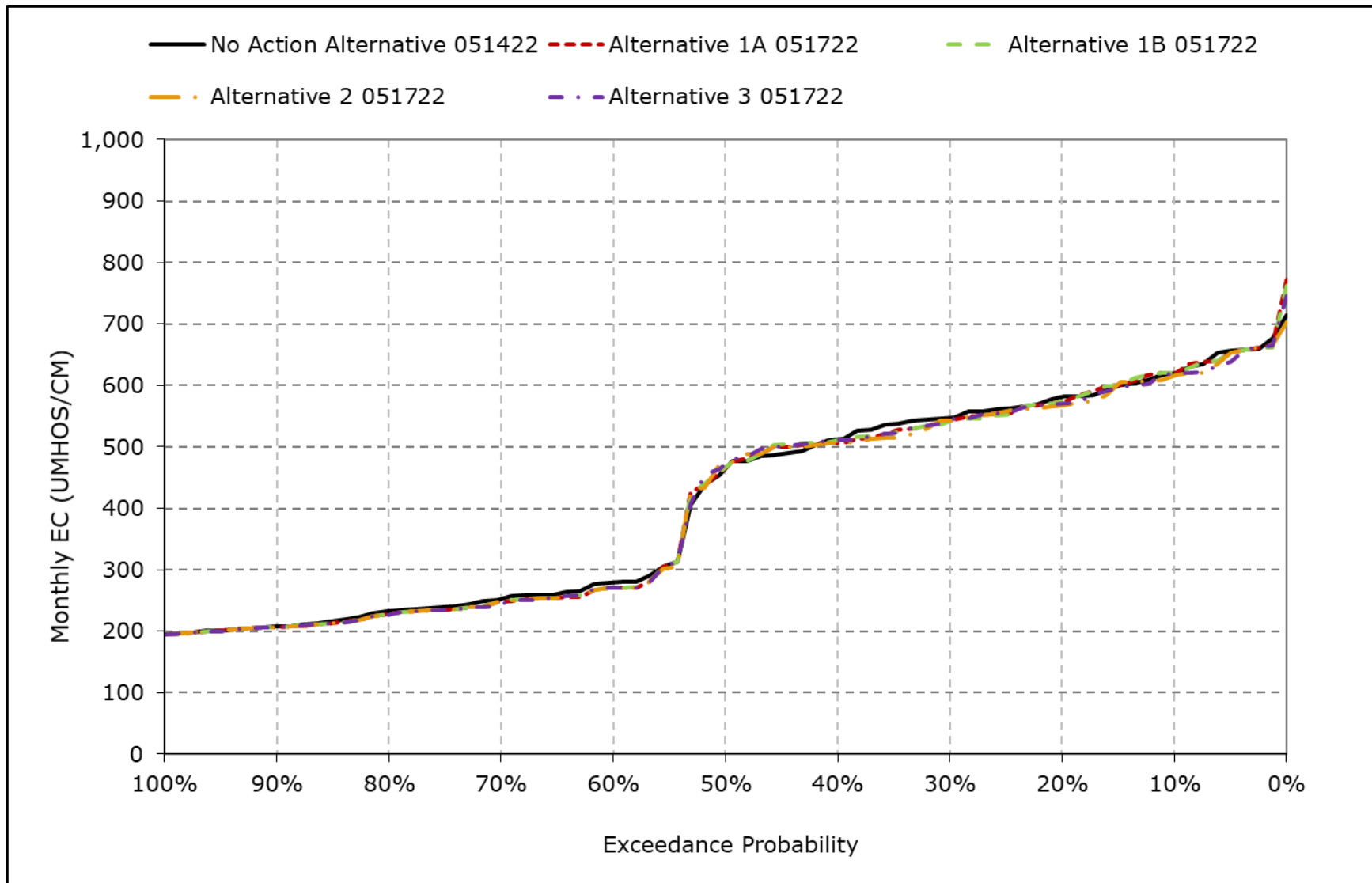
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-14-14. San Joaquin River at Prisoners Point Salinity, August EC**



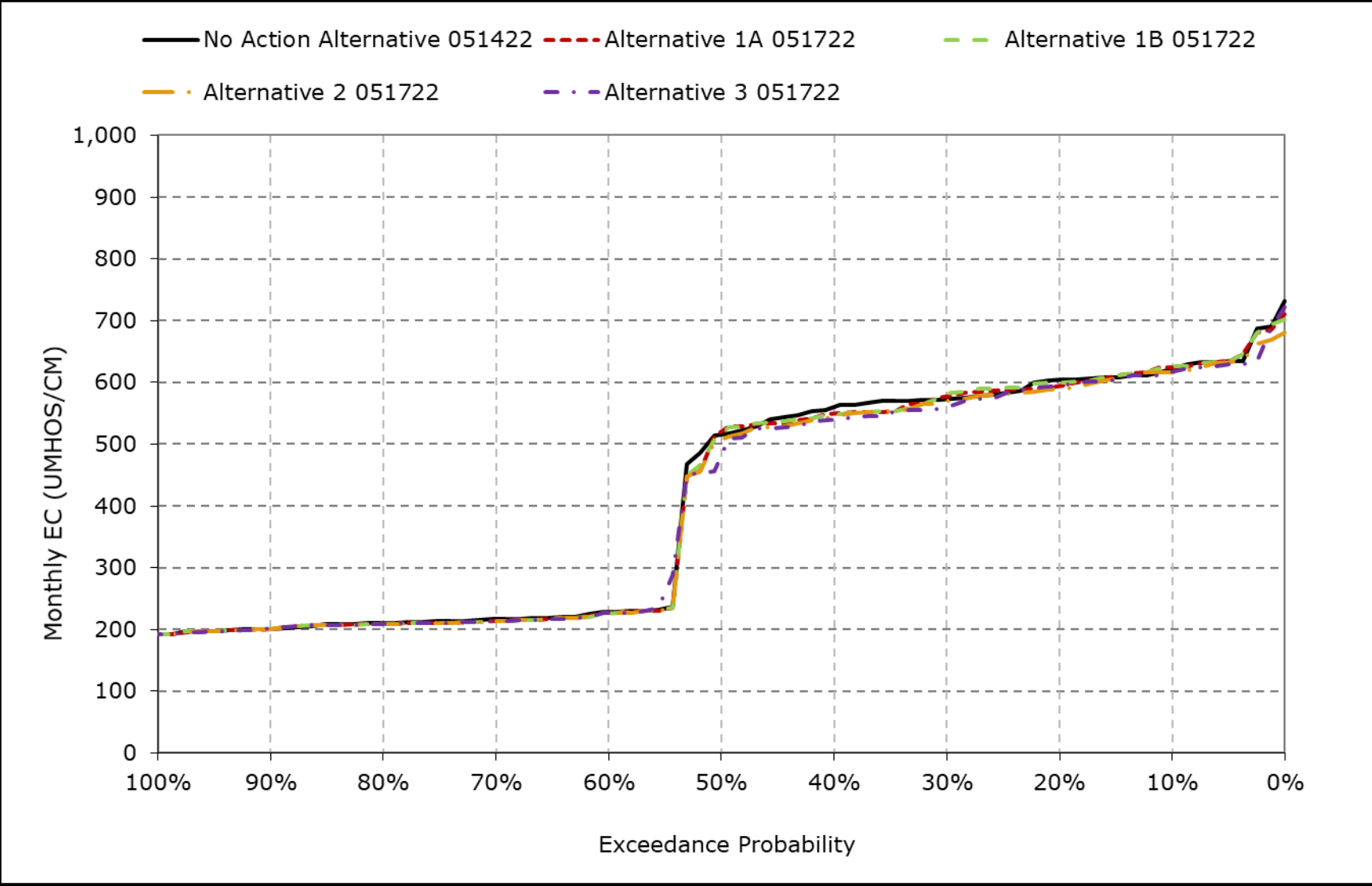
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-14-15. San Joaquin River at Prisoners Point Salinity, September EC**



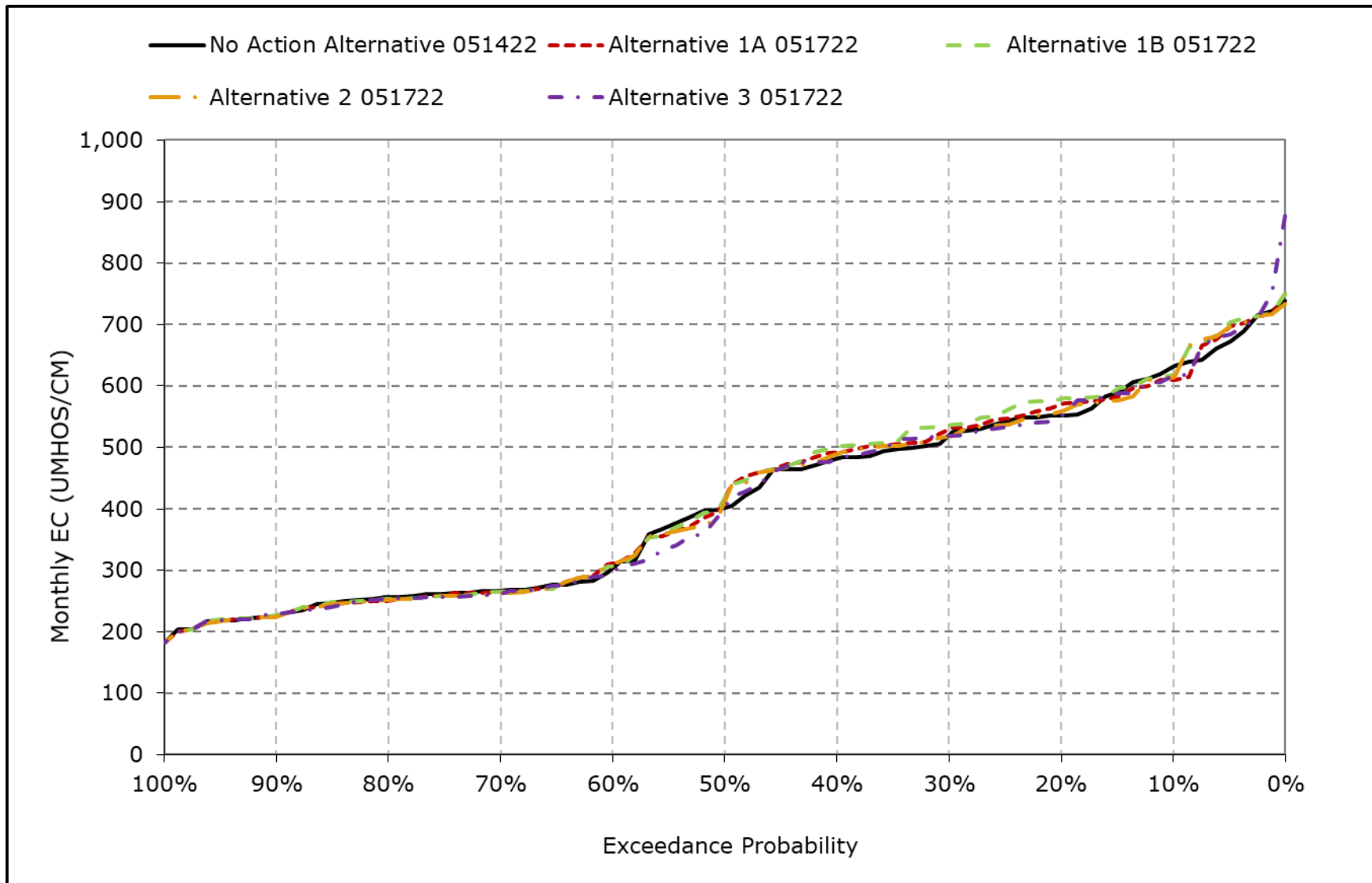
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-14-16. San Joaquin River at Prisoners Point Salinity, October EC**



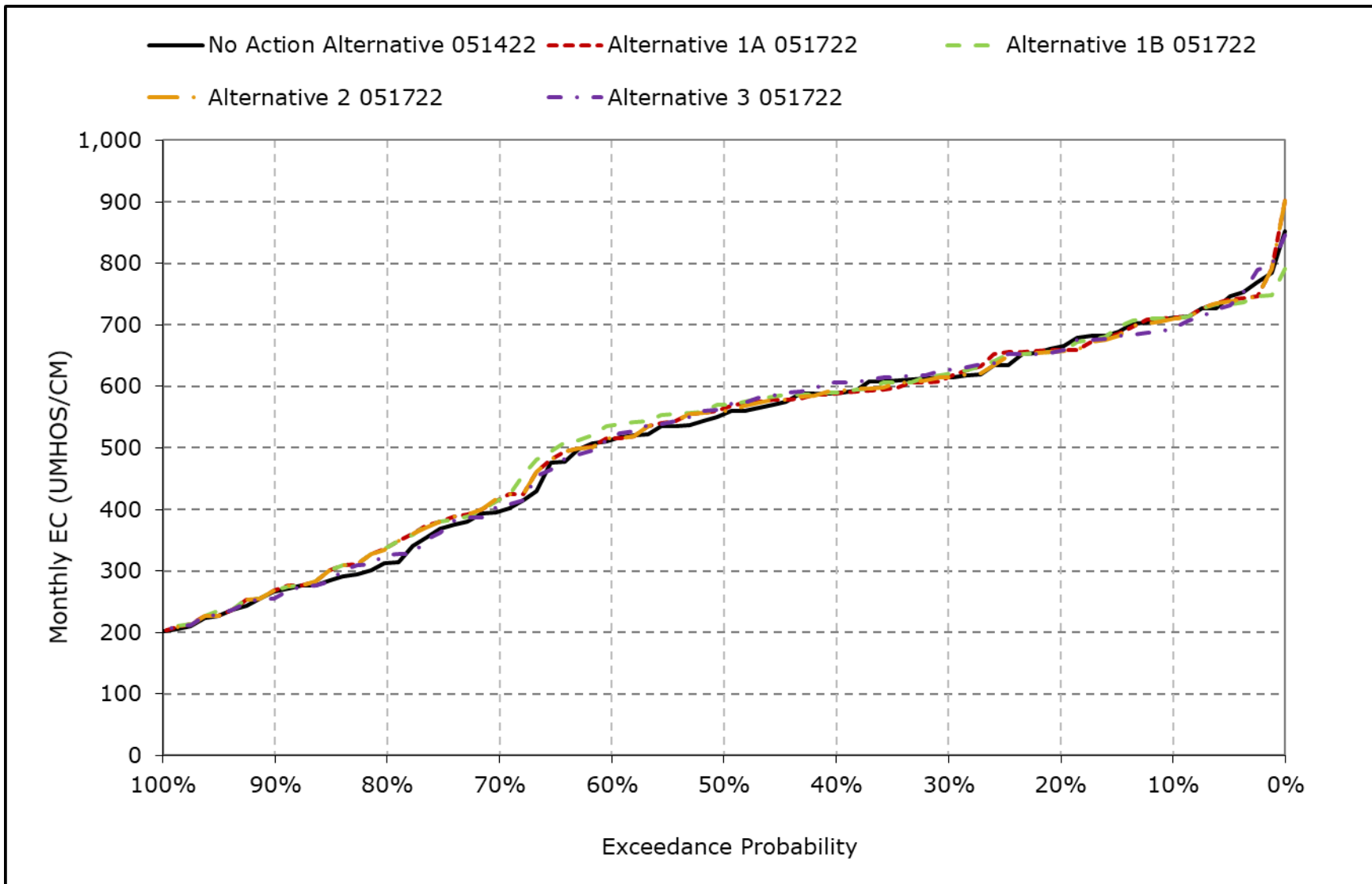
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-14-17. San Joaquin River at Prisoners Point Salinity, November EC**



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

**Figure 6B1-14-18. San Joaquin River at Prisoners Point Salinity, December EC**



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

**Table 6B1-15-1a. Old River at Rock Slough, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	910	851	945	957	541	374	334	286	292	509	672	861
<b>20% Exceedance</b>	879	770	858	861	461	340	316	276	270	385	573	809
<b>30% Exceedance</b>	825	719	807	786	409	305	304	269	255	330	510	755
<b>40% Exceedance</b>	812	659	775	612	382	297	291	262	243	302	478	694
<b>50% Exceedance</b>	745	537	712	491	356	282	281	257	238	273	414	632
<b>60% Exceedance</b>	249	361	659	390	311	268	276	252	232	250	322	366
<b>70% Exceedance</b>	231	312	502	345	289	261	270	246	229	242	293	315
<b>80% Exceedance</b>	221	300	359	308	277	252	258	241	225	230	259	284
<b>90% Exceedance</b>	208	250	289	278	263	242	247	225	218	220	227	215
<b>Full Simulation Period Average<sup>a</sup></b>	560	539	655	572	373	295	287	260	260	322	422	547
<b>Wet Water Years (32%)</b>	220	288	531	358	334	294	273	237	230	234	260	273
<b>Above Normal Years (15%)</b>	236	355	669	541	356	299	289	253	232	244	295	322
<b>Below Normal Years (17%)</b>	862	708	641	646	340	279	301	265	235	306	500	837
<b>Dry Water Years (22%)</b>	815	743	701	677	389	281	287	269	254	390	555	714
<b>Critical Water Years (15%)</b>	882	761	860	824	490	335	299	298	391	507	611	781

**Table 6B1-15-1b. Old River at Rock Slough, Alternative 1A 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	891	832	931	956	541	374	333	290	286	501	685	859
<b>20% Exceedance</b>	854	768	861	873	460	343	316	277	270	390	578	799
<b>30% Exceedance</b>	815	738	806	778	410	306	310	269	254	344	530	752
<b>40% Exceedance</b>	783	674	775	610	381	297	292	262	244	305	487	690
<b>50% Exceedance</b>	737	567	723	465	352	280	284	256	238	273	435	632
<b>60% Exceedance</b>	246	364	674	385	312	268	276	252	232	250	321	350
<b>70% Exceedance</b>	226	307	507	349	290	261	267	246	229	242	288	307
<b>80% Exceedance</b>	219	294	413	314	278	253	258	240	225	230	256	273
<b>90% Exceedance</b>	209	250	289	284	264	242	247	225	218	220	226	214
<b>Full Simulation Period Average<sup>a</sup></b>	549	540	662	572	374	297	288	261	259	325	427	542
<b>Wet Water Years (32%)</b>	218	288	532	362	334	296	275	237	230	234	258	266
<b>Above Normal Years (15%)</b>	233	345	669	548	357	300	289	258	233	244	292	312
<b>Below Normal Years (17%)</b>	832	729	675	625	337	279	301	265	235	306	497	816
<b>Dry Water Years (22%)</b>	802	749	702	687	395	283	287	269	253	404	577	715
<b>Critical Water Years (15%)</b>	870	748	861	817	491	337	299	298	387	508	620	795

**Table 6B1-15-1c. Old River at Rock Slough, Alternative 1A 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-19	-19	-15	-1	0	0	0	4	-6	-8	13	-2
<b>20% Exceedance</b>	-25	-2	3	12	0	2	0	1	0	5	4	-10
<b>30% Exceedance</b>	-10	18	-1	-8	1	1	6	0	-1	14	20	-3
<b>40% Exceedance</b>	-29	16	0	-2	-1	0	1	0	1	3	9	-4
<b>50% Exceedance</b>	-8	30	11	-26	-4	-2	2	0	0	0	21	0
<b>60% Exceedance</b>	-3	3	14	-5	1	1	0	0	0	0	-1	-16
<b>70% Exceedance</b>	-5	-4	5	4	1	0	-2	0	0	0	-4	-8
<b>80% Exceedance</b>	-3	-6	54	5	1	0	0	-1	0	0	-3	-11
<b>90% Exceedance</b>	1	0	0	6	1	0	0	0	0	0	-1	-1
<b>Full Simulation Period Average<sup>a</sup></b>	-11	2	6	0	1	2	1	1	-1	3	4	-5
<b>Wet Water Years (32%)</b>	-2	0	1	4	0	2	1	0	0	0	-2	-7
<b>Above Normal Years (15%)</b>	-4	-10	0	7	1	0	0	4	0	0	-3	-10
<b>Below Normal Years (17%)</b>	-29	21	35	-21	-3	0	0	0	0	0	-3	-21
<b>Dry Water Years (22%)</b>	-13	7	1	10	5	2	1	0	0	14	22	1
<b>Critical Water Years (15%)</b>	-12	-13	1	-7	1	2	1	0	-4	2	9	13

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-15-2a. Old River at Rock Slough, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	910	851	945	957	541	374	334	286	292	509	672	861
<b>20% Exceedance</b>	879	770	858	861	461	340	316	276	270	385	573	809
<b>30% Exceedance</b>	825	719	807	786	409	305	304	269	255	330	510	755
<b>40% Exceedance</b>	812	659	775	612	382	297	291	262	243	302	478	694
<b>50% Exceedance</b>	745	537	712	491	356	282	281	257	238	273	414	632
<b>60% Exceedance</b>	249	361	659	390	311	268	276	252	232	250	322	366
<b>70% Exceedance</b>	231	312	502	345	289	261	270	246	229	242	293	315
<b>80% Exceedance</b>	221	300	359	308	277	252	258	241	225	230	259	284
<b>90% Exceedance</b>	208	250	289	278	263	242	247	225	218	220	227	215
<b>Full Simulation Period Average<sup>a</sup></b>	560	539	655	572	373	295	287	260	260	322	422	547
<b>Wet Water Years (32%)</b>	220	288	531	358	334	294	273	237	230	234	260	273
<b>Above Normal Years (15%)</b>	236	355	669	541	356	299	289	253	232	244	295	322
<b>Below Normal Years (17%)</b>	862	708	641	646	340	279	301	265	235	306	500	837
<b>Dry Water Years (22%)</b>	815	743	701	677	389	281	287	269	254	390	555	714
<b>Critical Water Years (15%)</b>	882	761	860	824	490	335	299	298	391	507	611	781

**Table 6B1-15-2b. Old River at Rock Slough, Alternative 1B 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	888	843	935	957	543	374	333	288	286	503	680	859
<b>20% Exceedance</b>	856	790	858	872	461	343	316	277	271	390	575	801
<b>30% Exceedance</b>	822	748	808	772	403	306	310	269	254	345	523	749
<b>40% Exceedance</b>	781	688	777	611	381	297	292	262	244	307	489	696
<b>50% Exceedance</b>	735	566	745	484	352	280	283	256	238	273	437	634
<b>60% Exceedance</b>	246	358	697	393	312	268	276	252	232	251	322	350
<b>70% Exceedance</b>	226	307	552	347	291	259	267	246	229	242	290	308
<b>80% Exceedance</b>	218	292	409	318	277	253	258	240	226	230	256	273
<b>90% Exceedance</b>	207	254	288	284	264	242	247	225	218	220	226	214
<b>Full Simulation Period Average<sup>a</sup></b>	550	546	666	572	374	297	288	260	259	325	426	543
<b>Wet Water Years (32%)</b>	218	289	532	365	334	296	275	237	230	234	258	266
<b>Above Normal Years (15%)</b>	233	346	667	547	355	299	288	257	233	244	292	312
<b>Below Normal Years (17%)</b>	838	734	679	648	341	280	301	265	235	306	496	818
<b>Dry Water Years (22%)</b>	801	770	717	663	389	283	287	267	253	405	577	714
<b>Critical Water Years (15%)</b>	872	751	861	822	493	336	299	297	388	508	616	794

**Table 6B1-15-2c. Old River at Rock Slough, Alternative 1B 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-22	-8	-11	0	1	1	0	1	-6	-6	8	-2
<b>20% Exceedance</b>	-23	20	0	11	0	2	0	1	1	5	2	-8
<b>30% Exceedance</b>	-3	28	1	-15	-6	1	6	0	-1	14	13	-6
<b>40% Exceedance</b>	-31	29	2	-1	-2	1	1	-1	1	5	12	2
<b>50% Exceedance</b>	-10	29	33	-7	-4	-2	2	0	0	0	23	2
<b>60% Exceedance</b>	-3	-2	38	4	1	0	0	0	0	1	0	-16
<b>70% Exceedance</b>	-5	-4	50	2	1	-2	-2	0	0	0	-3	-7
<b>80% Exceedance</b>	-3	-7	50	10	0	0	0	-1	0	0	-3	-11
<b>90% Exceedance</b>	-1	4	-1	6	1	0	0	0	0	0	-1	-1
<b>Full Simulation Period Average<sup>a</sup></b>	-10	8	10	0	1	1	1	0	0	4	4	-5
<b>Wet Water Years (32%)</b>	-2	1	0	6	1	2	1	0	0	0	-2	-6
<b>Above Normal Years (15%)</b>	-4	-10	-2	6	0	0	-1	4	1	0	-3	-10
<b>Below Normal Years (17%)</b>	-24	26	39	2	1	0	0	0	0	0	-4	-19
<b>Dry Water Years (22%)</b>	-14	27	16	-14	0	1	1	-2	0	15	21	0
<b>Critical Water Years (15%)</b>	-10	-11	2	-2	3	1	1	0	-3	1	5	12

<sup>a</sup> Based on the 82-year simulation period.

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

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

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



**Table 6B1-15-3a. Old River at Rock Slough, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	910	851	945	957	541	374	334	286	292	509	672	861
<b>20% Exceedance</b>	879	770	858	861	461	340	316	276	270	385	573	809
<b>30% Exceedance</b>	825	719	807	786	409	305	304	269	255	330	510	755
<b>40% Exceedance</b>	812	659	775	612	382	297	291	262	243	302	478	694
<b>50% Exceedance</b>	745	537	712	491	356	282	281	257	238	273	414	632
<b>60% Exceedance</b>	249	361	659	390	311	268	276	252	232	250	322	366
<b>70% Exceedance</b>	231	312	502	345	289	261	270	246	229	242	293	315
<b>80% Exceedance</b>	221	300	359	308	277	252	258	241	225	230	259	284
<b>90% Exceedance</b>	208	250	289	278	263	242	247	225	218	220	227	215
<b>Full Simulation Period Average<sup>a</sup></b>	560	539	655	572	373	295	287	260	260	322	422	547
<b>Wet Water Years (32%)</b>	220	288	531	358	334	294	273	237	230	234	260	273
<b>Above Normal Years (15%)</b>	236	355	669	541	356	299	289	253	232	244	295	322
<b>Below Normal Years (17%)</b>	862	708	641	646	340	279	301	265	235	306	500	837
<b>Dry Water Years (22%)</b>	815	743	701	677	389	281	287	269	254	390	555	714
<b>Critical Water Years (15%)</b>	882	761	860	824	490	335	299	298	391	507	611	781

**Table 6B1-15-3b. Old River at Rock Slough, Alternative 2 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	882	842	937	955	541	374	333	290	286	498	683	859
<b>20% Exceedance</b>	850	765	850	867	461	343	316	277	269	390	576	784
<b>30% Exceedance</b>	809	720	807	777	410	306	310	269	254	344	530	757
<b>40% Exceedance</b>	775	669	777	610	381	297	292	262	244	305	487	690
<b>50% Exceedance</b>	713	549	723	465	352	280	284	256	238	273	435	644
<b>60% Exceedance</b>	243	362	672	384	312	268	276	252	232	250	321	350
<b>70% Exceedance</b>	226	302	508	349	290	261	267	246	229	242	288	307
<b>80% Exceedance</b>	218	294	412	314	278	253	258	240	225	230	256	273
<b>90% Exceedance</b>	209	249	289	284	264	242	247	225	218	220	226	214
<b>Full Simulation Period Average<sup>a</sup></b>	544	538	661	570	374	297	288	261	259	325	426	538
<b>Wet Water Years (32%)</b>	218	287	531	362	334	296	275	237	230	234	258	266
<b>Above Normal Years (15%)</b>	232	344	667	547	357	300	288	257	233	244	291	310
<b>Below Normal Years (17%)</b>	829	725	674	625	337	279	302	265	235	307	498	814
<b>Dry Water Years (22%)</b>	794	744	701	679	392	283	287	269	253	404	577	714
<b>Critical Water Years (15%)</b>	854	743	860	818	491	337	299	298	388	508	612	773

**Table 6B1-15-3c. Old River at Rock Slough, Alternative 2 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-29	-9	-8	-2	0	0	0	4	-6	-11	10	-2
<b>20% Exceedance</b>	-29	-5	-8	6	0	2	0	1	0	5	3	-25
<b>30% Exceedance</b>	-15	0	0	-9	1	1	6	0	-1	14	21	3
<b>40% Exceedance</b>	-37	10	2	-2	-1	0	1	0	1	3	9	-4
<b>50% Exceedance</b>	-31	11	11	-26	-4	-2	2	0	0	0	22	12
<b>60% Exceedance</b>	-6	2	13	-5	1	1	0	0	0	0	-1	-16
<b>70% Exceedance</b>	-5	-10	6	4	1	0	-2	0	0	0	-4	-8
<b>80% Exceedance</b>	-4	-6	53	6	1	0	0	-1	0	0	-3	-11
<b>90% Exceedance</b>	1	-1	0	6	1	0	0	0	0	0	-1	-1
<b>Full Simulation Period Average<sup>a</sup></b>	-15	-1	6	-2	0	1	1	1	-1	3	3	-9
<b>Wet Water Years (32%)</b>	-2	-1	0	4	1	2	1	0	0	0	-2	-7
<b>Above Normal Years (15%)</b>	-4	-11	-2	6	1	0	-1	4	0	0	-4	-12
<b>Below Normal Years (17%)</b>	-33	18	33	-21	-3	0	0	0	0	1	-2	-23
<b>Dry Water Years (22%)</b>	-21	2	0	2	2	1	1	0	0	14	22	1
<b>Critical Water Years (15%)</b>	-27	-18	1	-6	1	2	1	0	-4	1	2	-9

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-15-4a. Old River at Rock Slough, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	910	851	945	957	541	374	334	286	292	509	672	861
<b>20% Exceedance</b>	879	770	858	861	461	340	316	276	270	385	573	809
<b>30% Exceedance</b>	825	719	807	786	409	305	304	269	255	330	510	755
<b>40% Exceedance</b>	812	659	775	612	382	297	291	262	243	302	478	694
<b>50% Exceedance</b>	745	537	712	491	356	282	281	257	238	273	414	632
<b>60% Exceedance</b>	249	361	659	390	311	268	276	252	232	250	322	366
<b>70% Exceedance</b>	231	312	502	345	289	261	270	246	229	242	293	315
<b>80% Exceedance</b>	221	300	359	308	277	252	258	241	225	230	259	284
<b>90% Exceedance</b>	208	250	289	278	263	242	247	225	218	220	227	215
<b>Full Simulation Period Average<sup>a</sup></b>	560	539	655	572	373	295	287	260	260	322	422	547
<b>Wet Water Years (32%)</b>	220	288	531	358	334	294	273	237	230	234	260	273
<b>Above Normal Years (15%)</b>	236	355	669	541	356	299	289	253	232	244	295	322
<b>Below Normal Years (17%)</b>	862	708	641	646	340	279	301	265	235	306	500	837
<b>Dry Water Years (22%)</b>	815	743	701	677	389	281	287	269	254	390	555	714
<b>Critical Water Years (15%)</b>	882	761	860	824	490	335	299	298	391	507	611	781

**Table 6B1-15-4b. Old River at Rock Slough, Alternative 3 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	890	843	926	989	550	374	333	286	287	506	685	854
<b>20% Exceedance</b>	852	755	856	876	456	343	315	275	271	387	566	799
<b>30% Exceedance</b>	801	720	816	790	406	306	309	269	254	345	520	749
<b>40% Exceedance</b>	776	661	780	613	386	298	292	263	243	304	484	696
<b>50% Exceedance</b>	685	562	747	498	356	282	284	256	238	273	443	637
<b>60% Exceedance</b>	246	354	652	391	312	268	276	252	231	253	321	350
<b>70% Exceedance</b>	227	304	516	339	291	259	268	246	229	242	288	301
<b>80% Exceedance</b>	218	293	373	310	275	253	258	240	226	230	256	273
<b>90% Exceedance</b>	206	254	281	284	264	242	247	232	218	220	226	214
<b>Full Simulation Period Average<sup>a</sup></b>	544	534	658	577	375	297	287	260	259	325	425	541
<b>Wet Water Years (32%)</b>	219	291	535	363	334	296	275	238	230	234	258	266
<b>Above Normal Years (15%)</b>	239	354	652	554	358	300	285	253	232	245	290	310
<b>Below Normal Years (17%)</b>	804	678	631	630	338	280	301	265	235	307	493	817
<b>Dry Water Years (22%)</b>	798	748	726	686	395	283	286	266	253	405	578	715
<b>Critical Water Years (15%)</b>	872	754	861	837	493	335	299	297	388	506	613	786

**Table 6B1-15-4c. Old River at Rock Slough, Alternative 3 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-20	-7	-19	32	9	1	-1	0	-5	-3	13	-7
<b>20% Exceedance</b>	-27	-15	-2	15	-5	3	-1	-1	2	2	-7	-10
<b>30% Exceedance</b>	-23	0	9	4	-2	1	4	0	-1	15	10	-6
<b>40% Exceedance</b>	-36	3	5	2	4	1	1	0	0	2	6	2
<b>50% Exceedance</b>	-60	24	35	7	0	0	2	0	0	0	30	4
<b>60% Exceedance</b>	-3	-7	-7	1	1	0	0	0	0	3	-1	-16
<b>70% Exceedance</b>	-4	-7	14	-6	1	-2	-2	0	0	-1	-4	-14
<b>80% Exceedance</b>	-3	-6	14	1	-2	0	0	-1	0	0	-3	-12
<b>90% Exceedance</b>	-3	4	-8	5	1	0	0	7	0	0	-1	-1
<b>Full Simulation Period Average<sup>a</sup></b>	-15	-4	3	5	2	1	0	0	-1	4	3	-6
<b>Wet Water Years (32%)</b>	-2	3	4	5	0	2	2	1	0	0	-2	-7
<b>Above Normal Years (15%)</b>	2	-1	-17	13	2	0	-4	0	0	1	-5	-12
<b>Below Normal Years (17%)</b>	-58	-29	-9	-15	-1	1	0	0	0	0	-7	-20
<b>Dry Water Years (22%)</b>	-18	5	25	9	6	2	0	-2	-1	15	22	1
<b>Critical Water Years (15%)</b>	-9	-8	2	13	4	0	0	-1	-3	-1	2	4

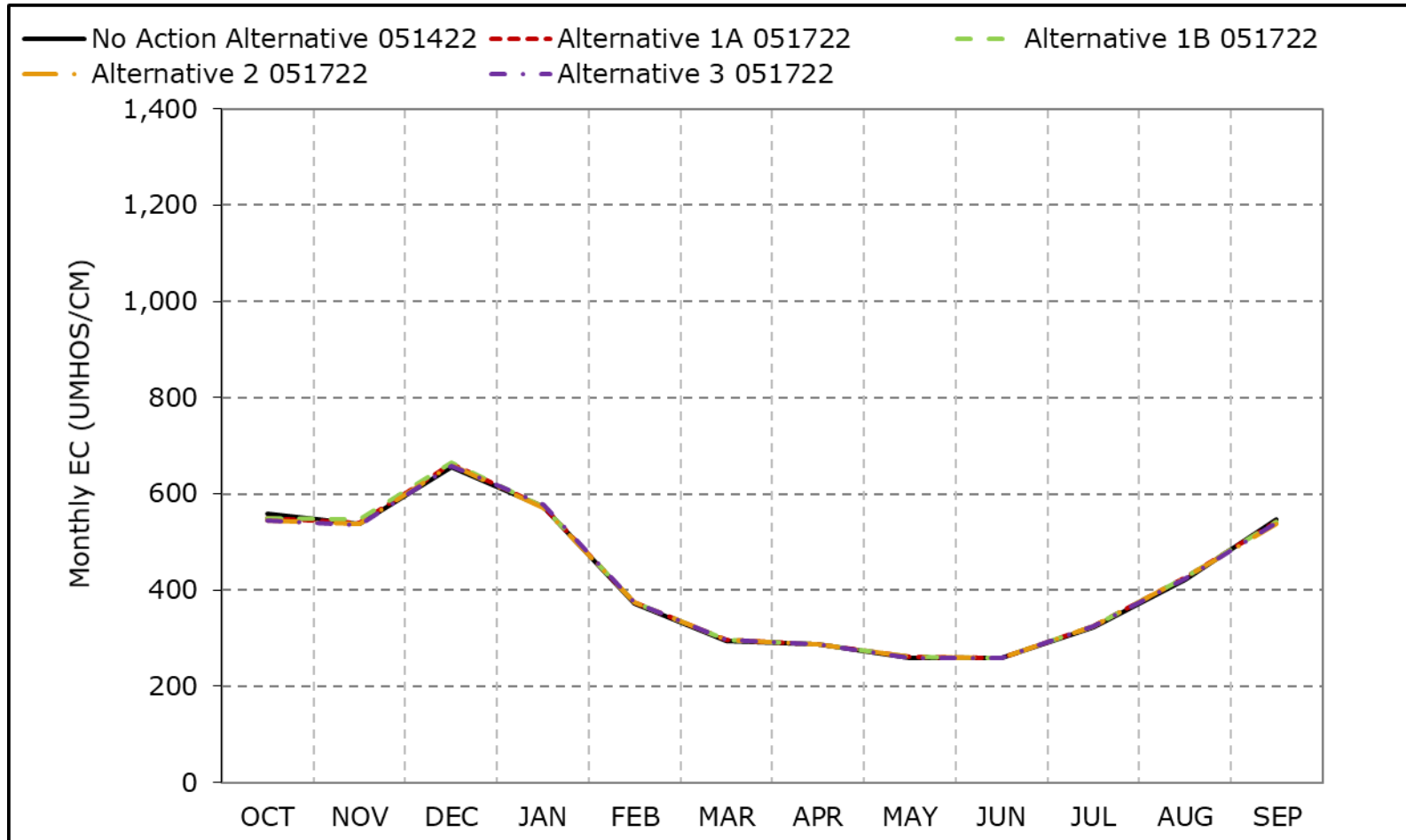
<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Figure 6B1-15-1. Old River at Rock Slough, Long-Term Average EC**

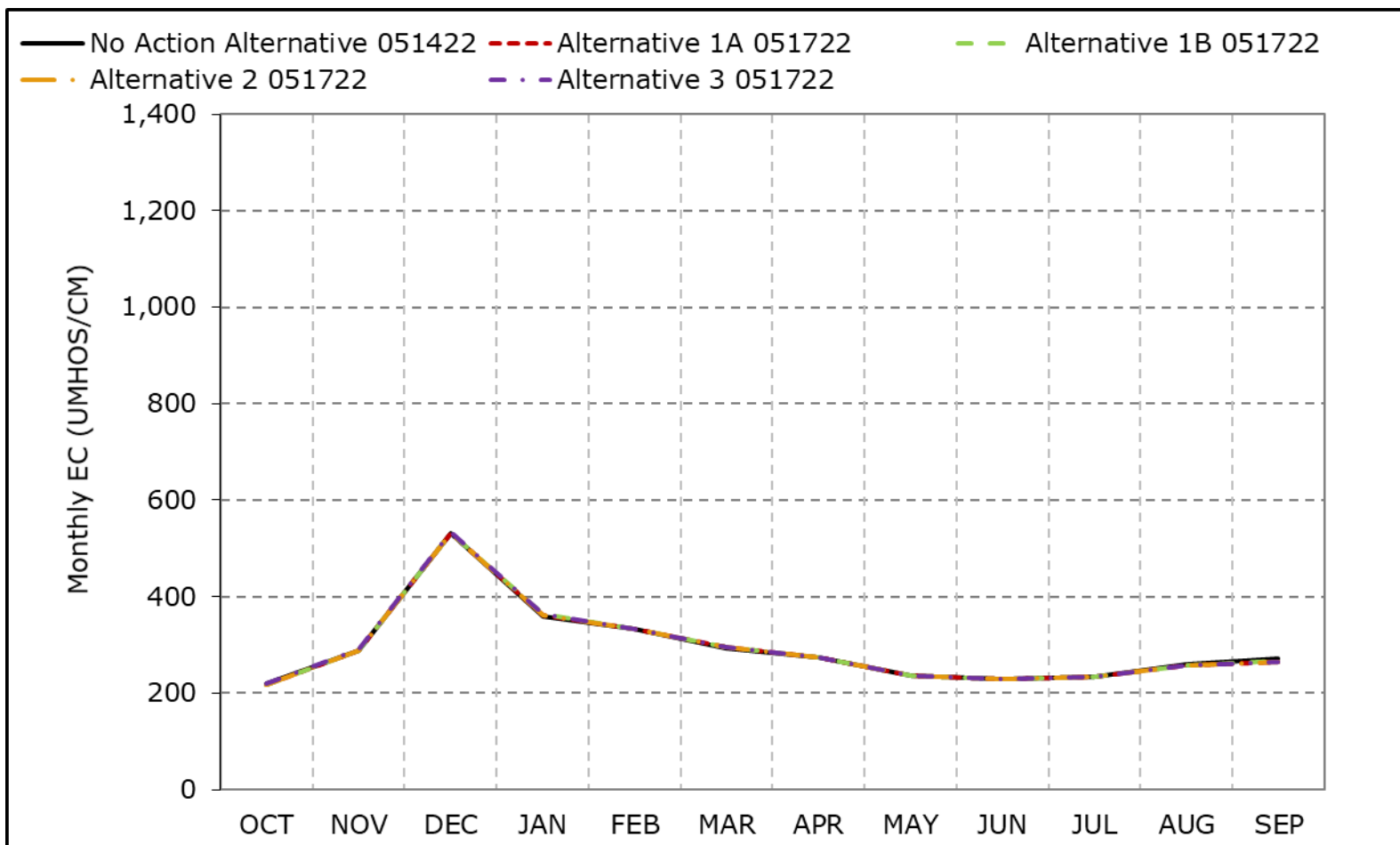


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-15-2. Old River at Rock Slough, Wet Year Average EC**

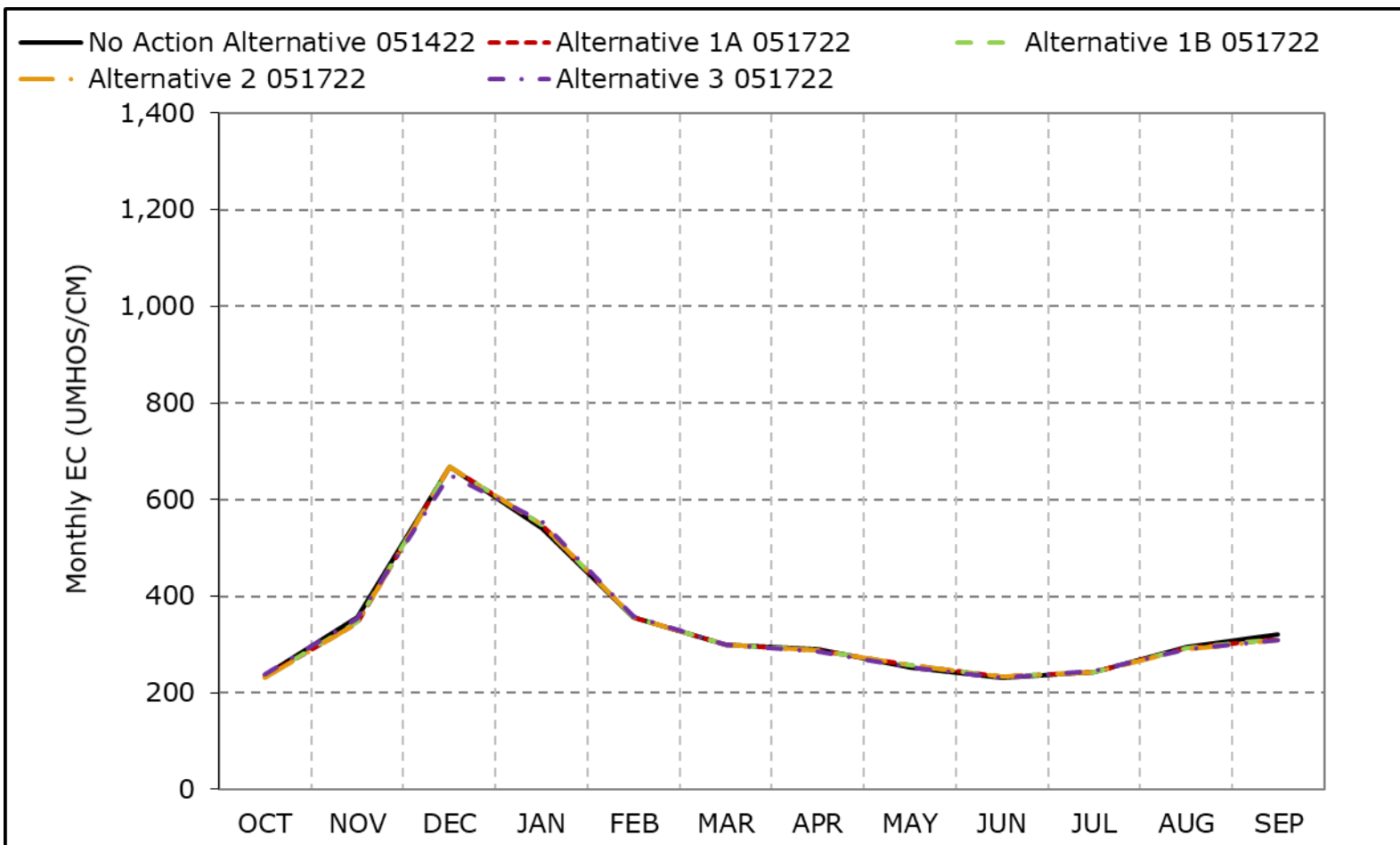


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-15-3. Old River at Rock Slough, Above Normal Year Average EC**

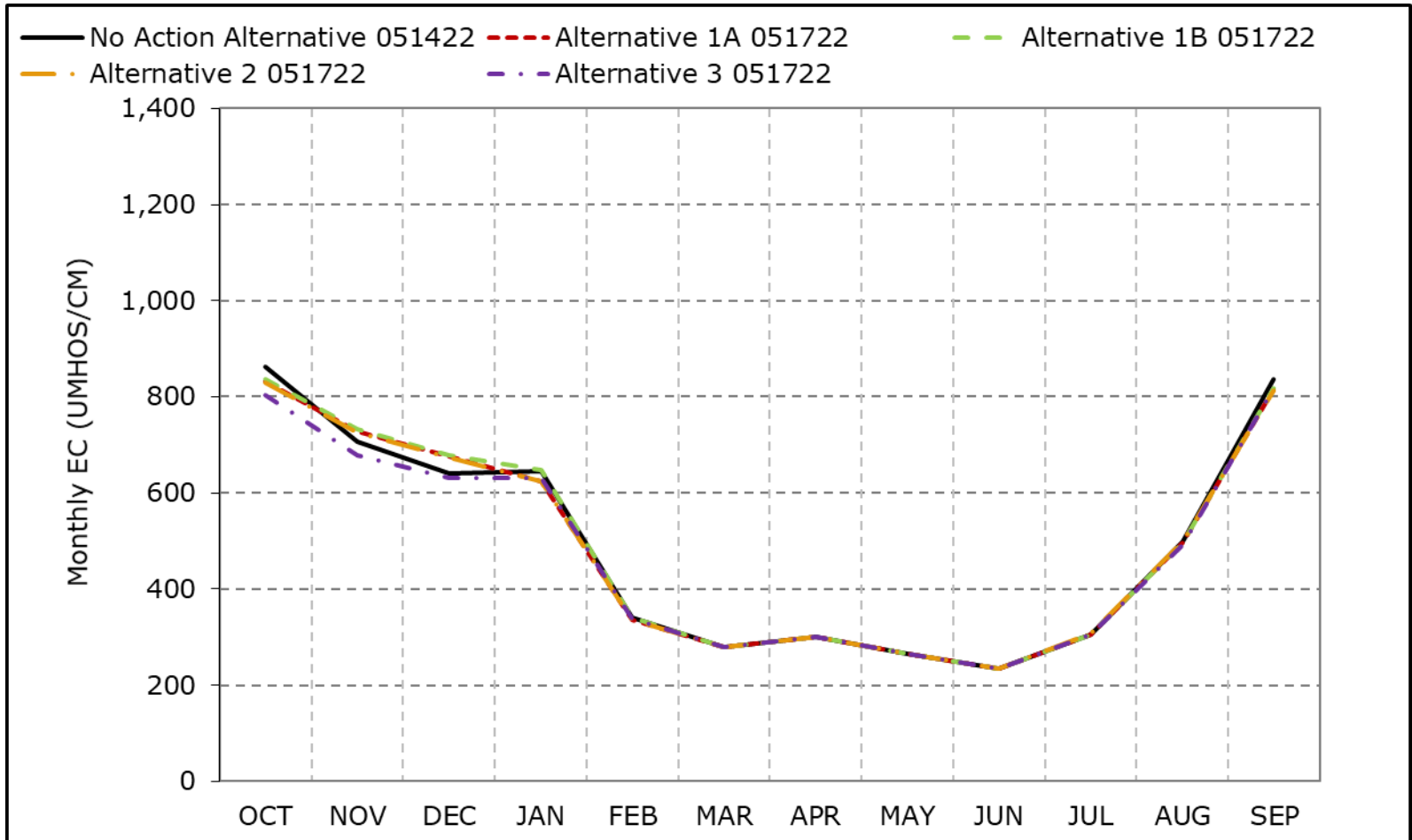


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-15-4. Old River at Rock Slough, Below Normal Year Average EC**

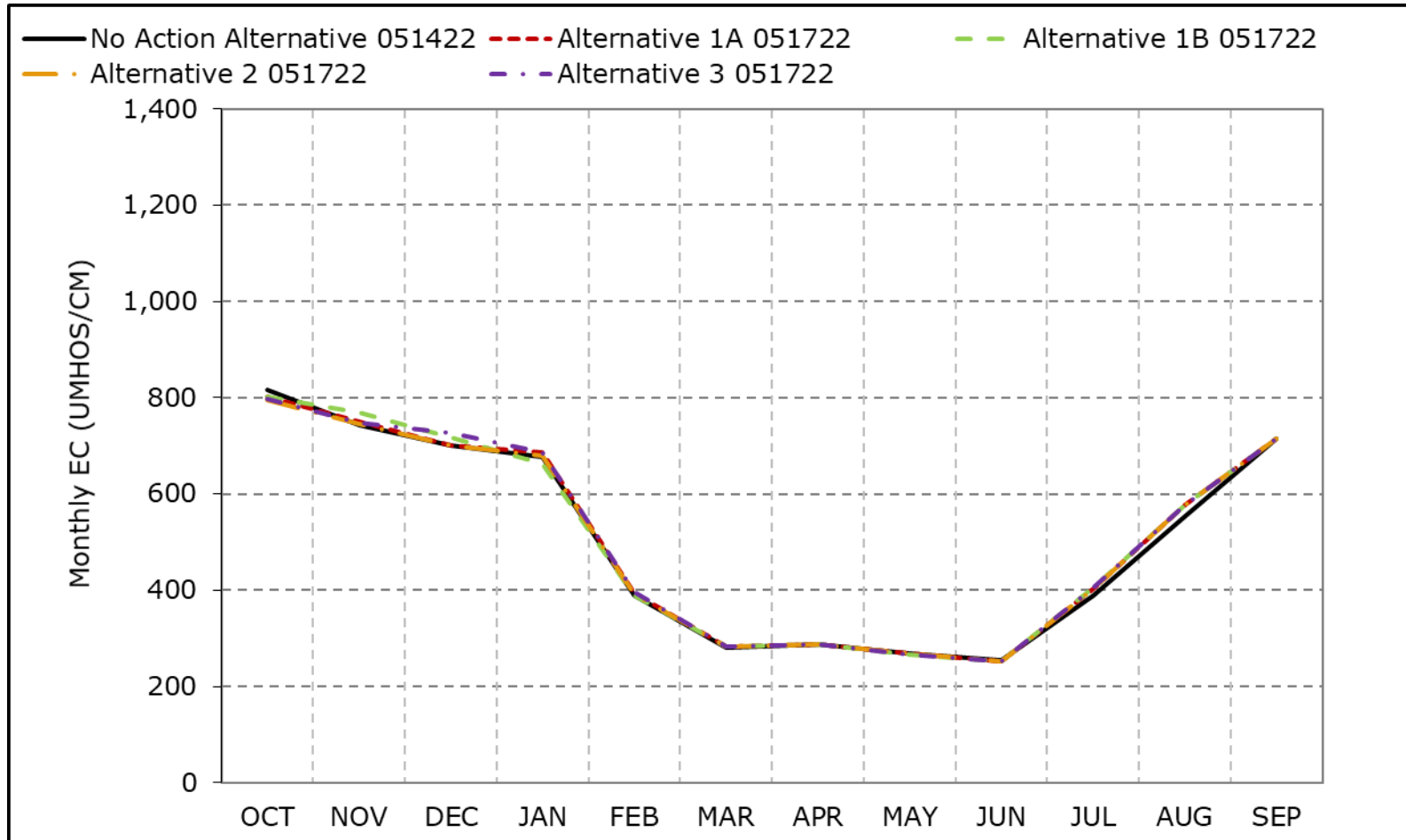


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-15-5. Old River at Rock Slough, Dry Year Average EC**

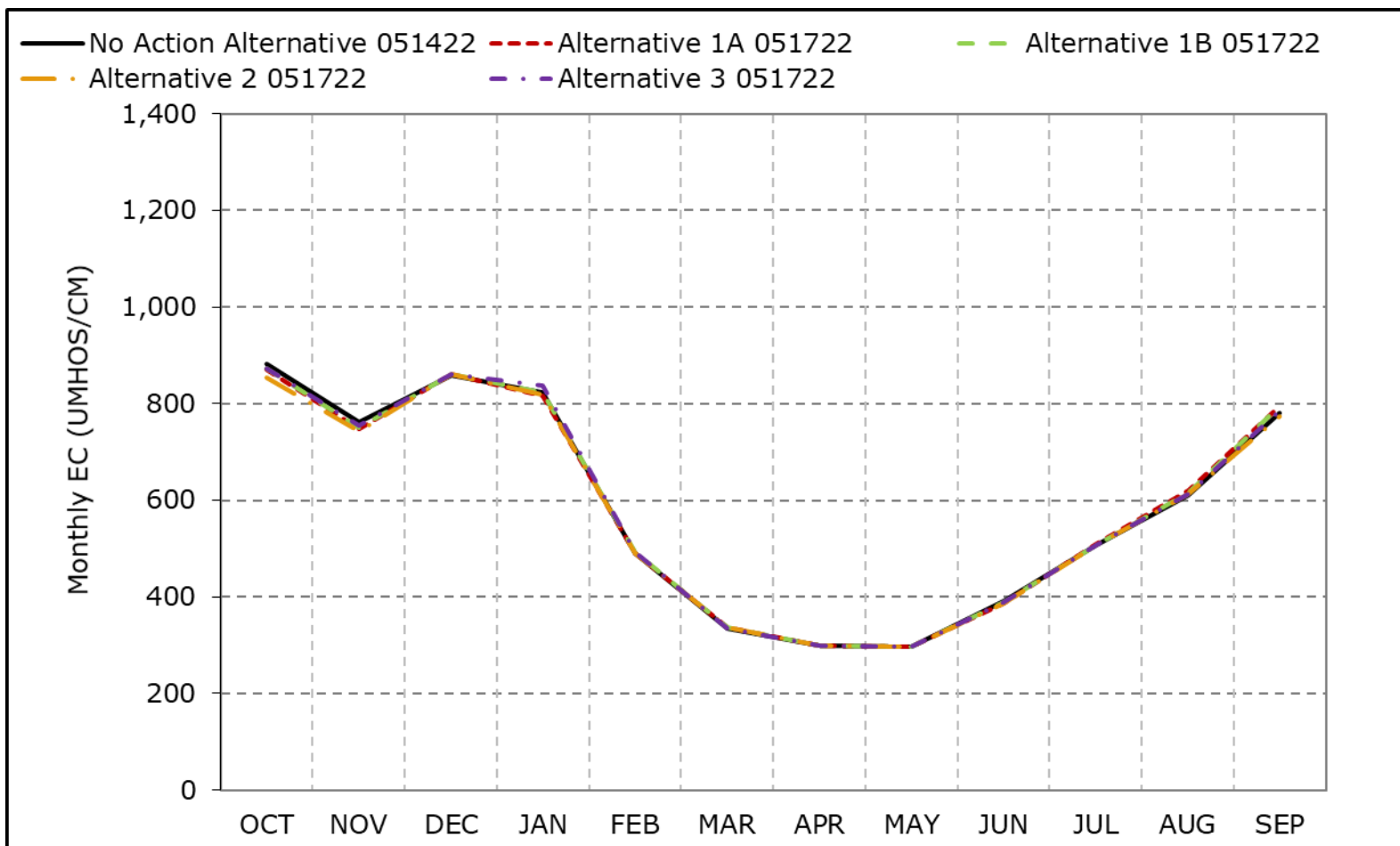


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-15-6. Old River at Rock Slough, Critical Year Average EC**



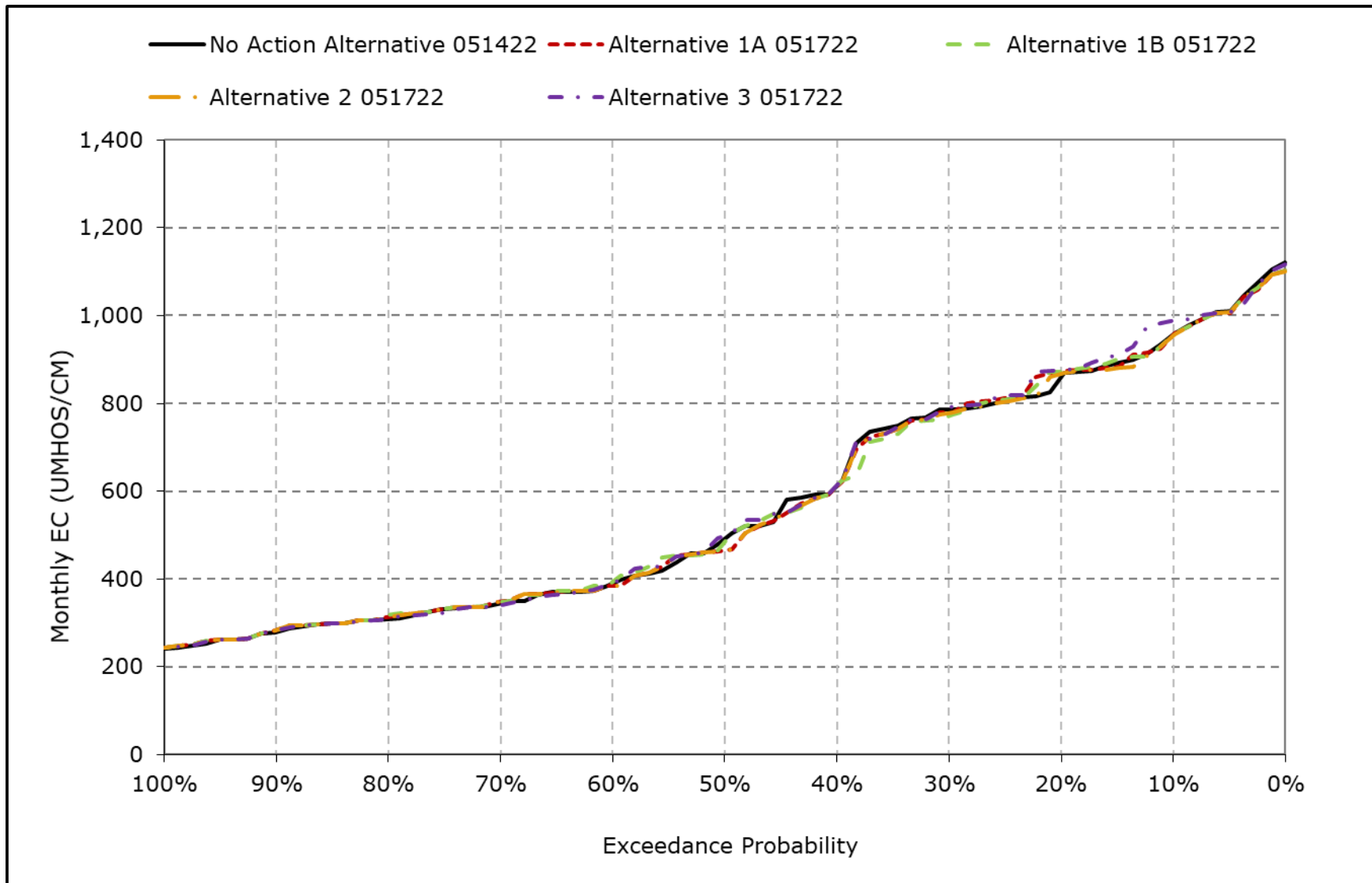
\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

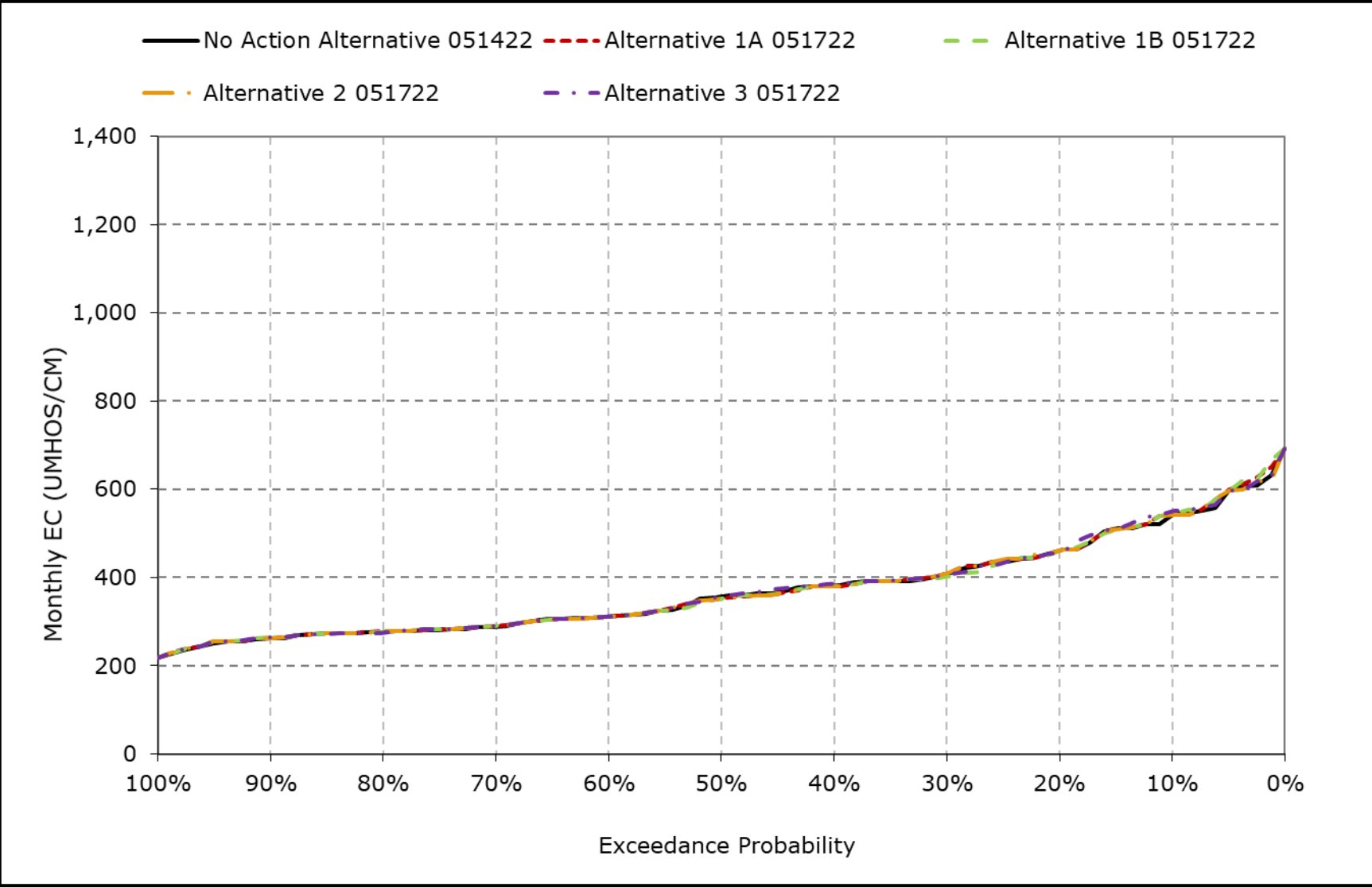


**Figure 6B1-15-7. Old River at Rock Slough Salinity, January EC**



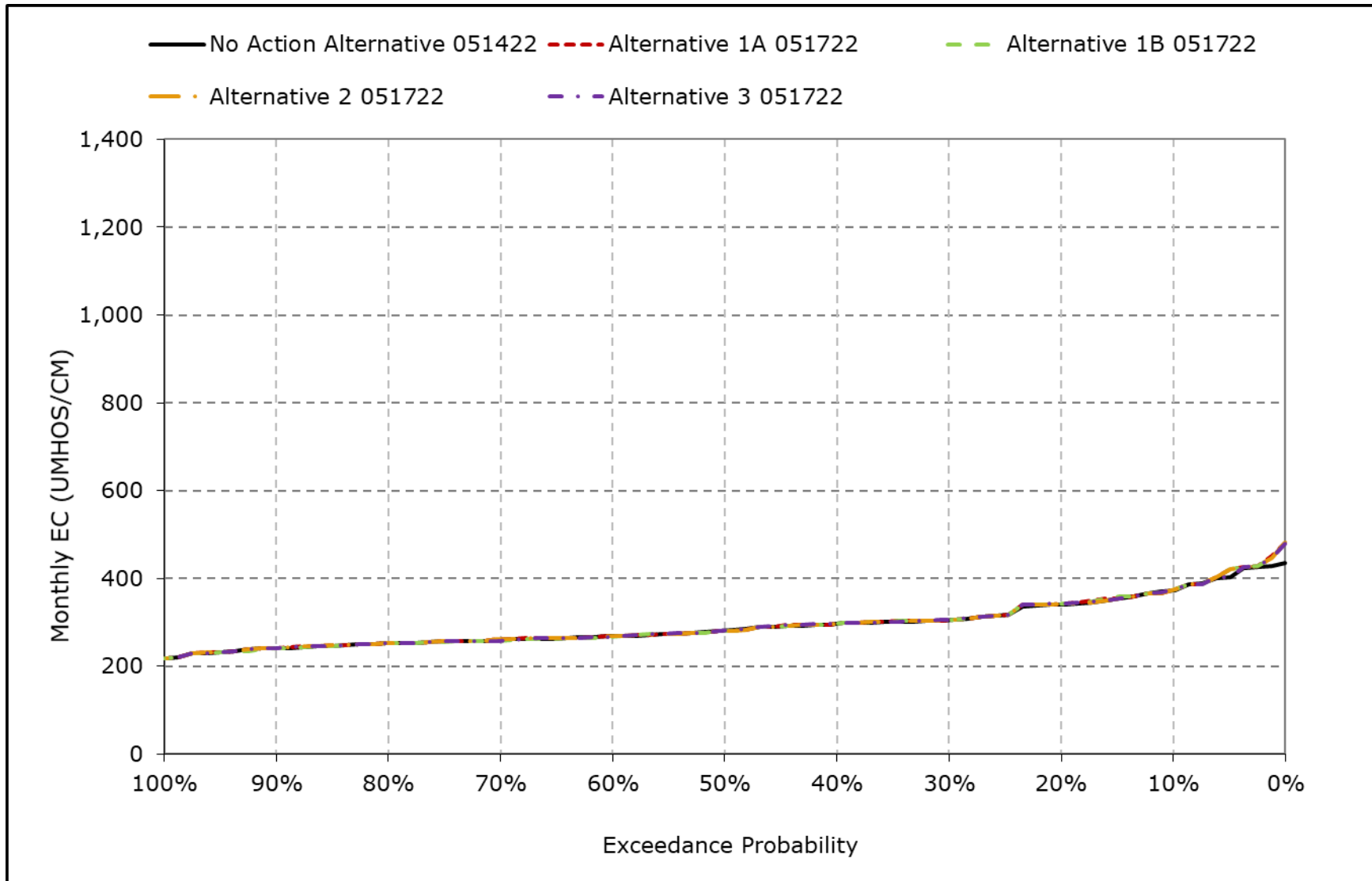
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-15-8. Old River at Rock Slough Salinity, February EC**



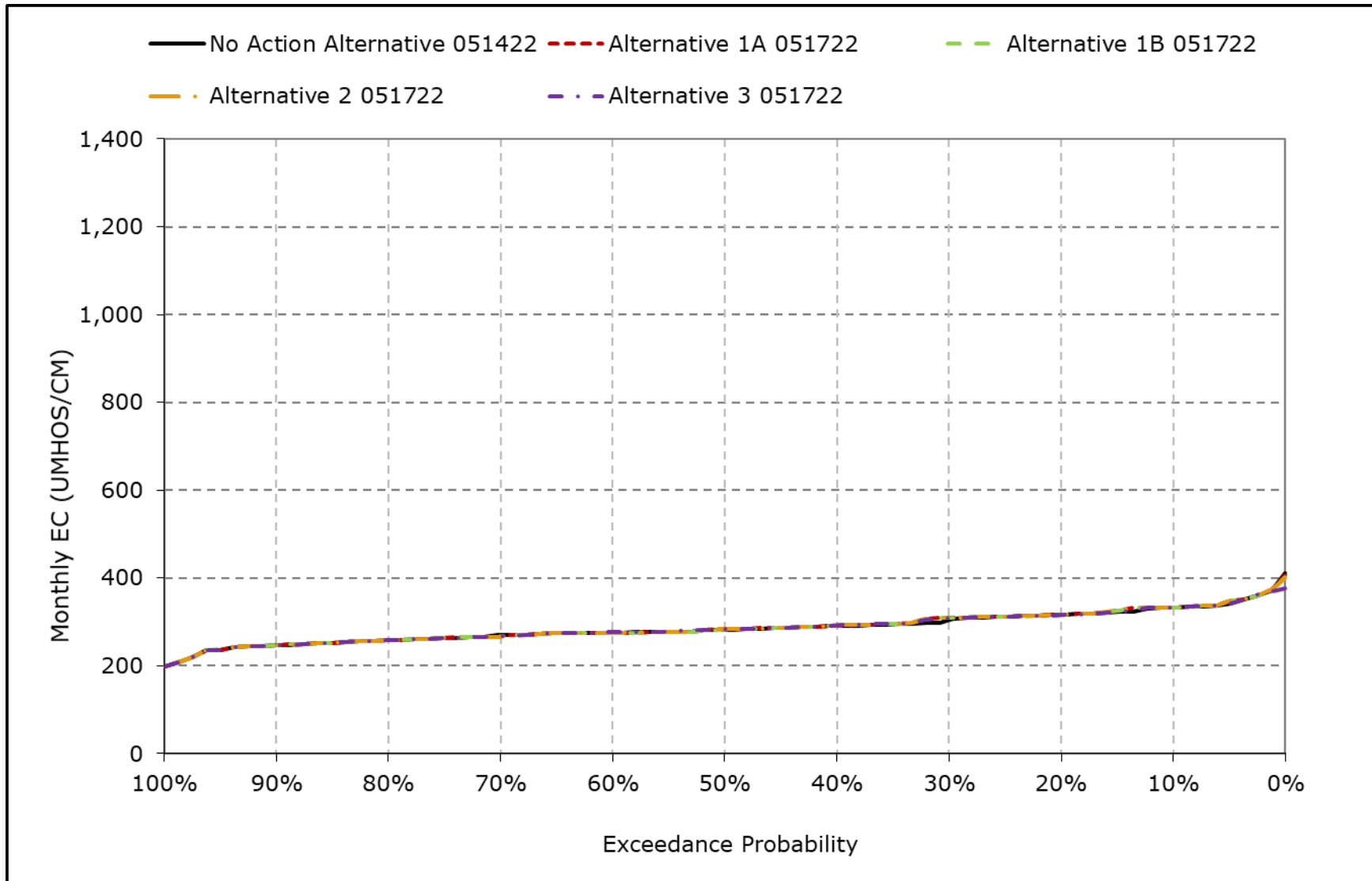
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-15-9. Old River at Rock Slough Salinity, March EC**



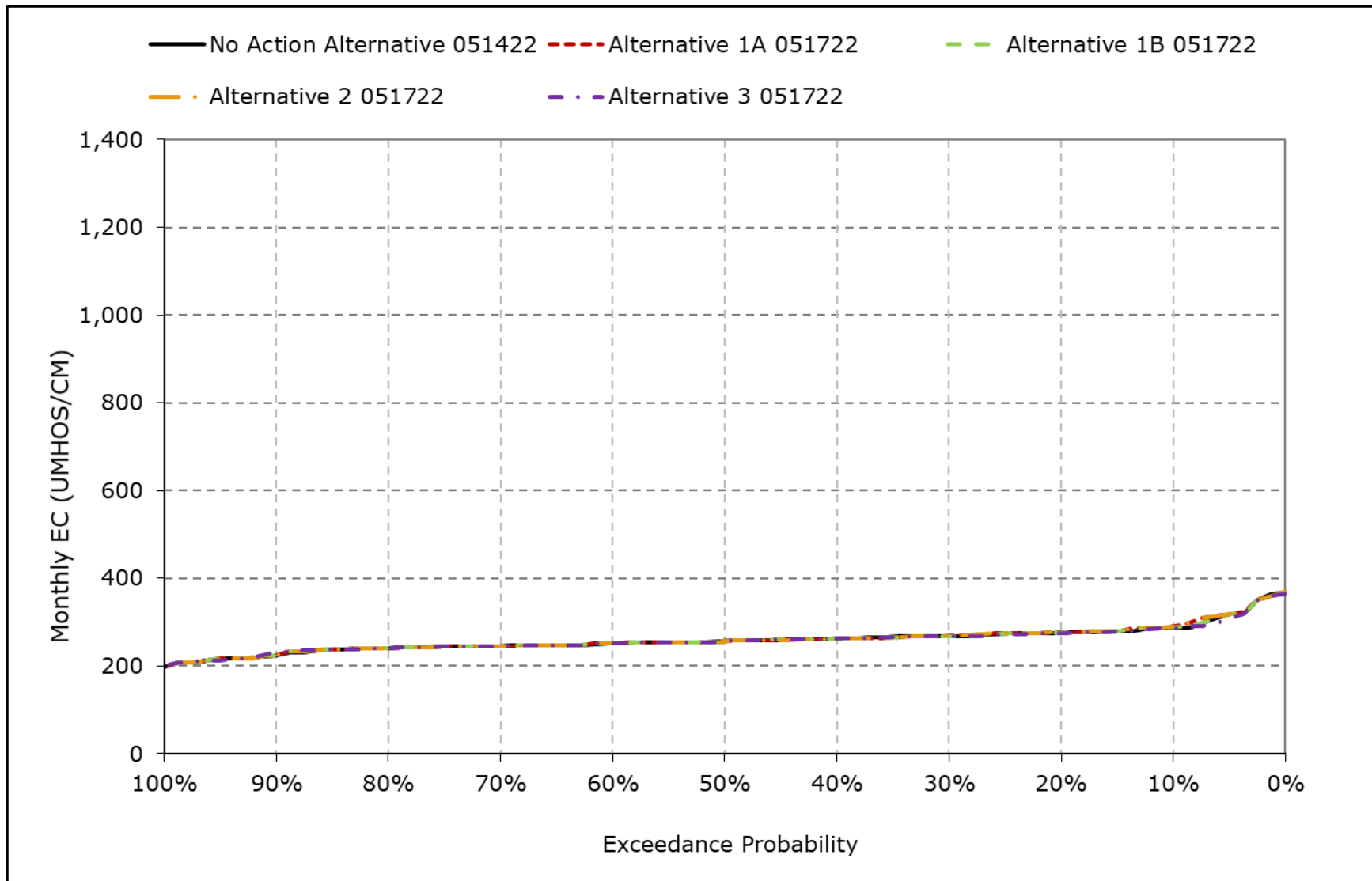
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-15-10. Old River at Rock Slough Salinity, April EC**



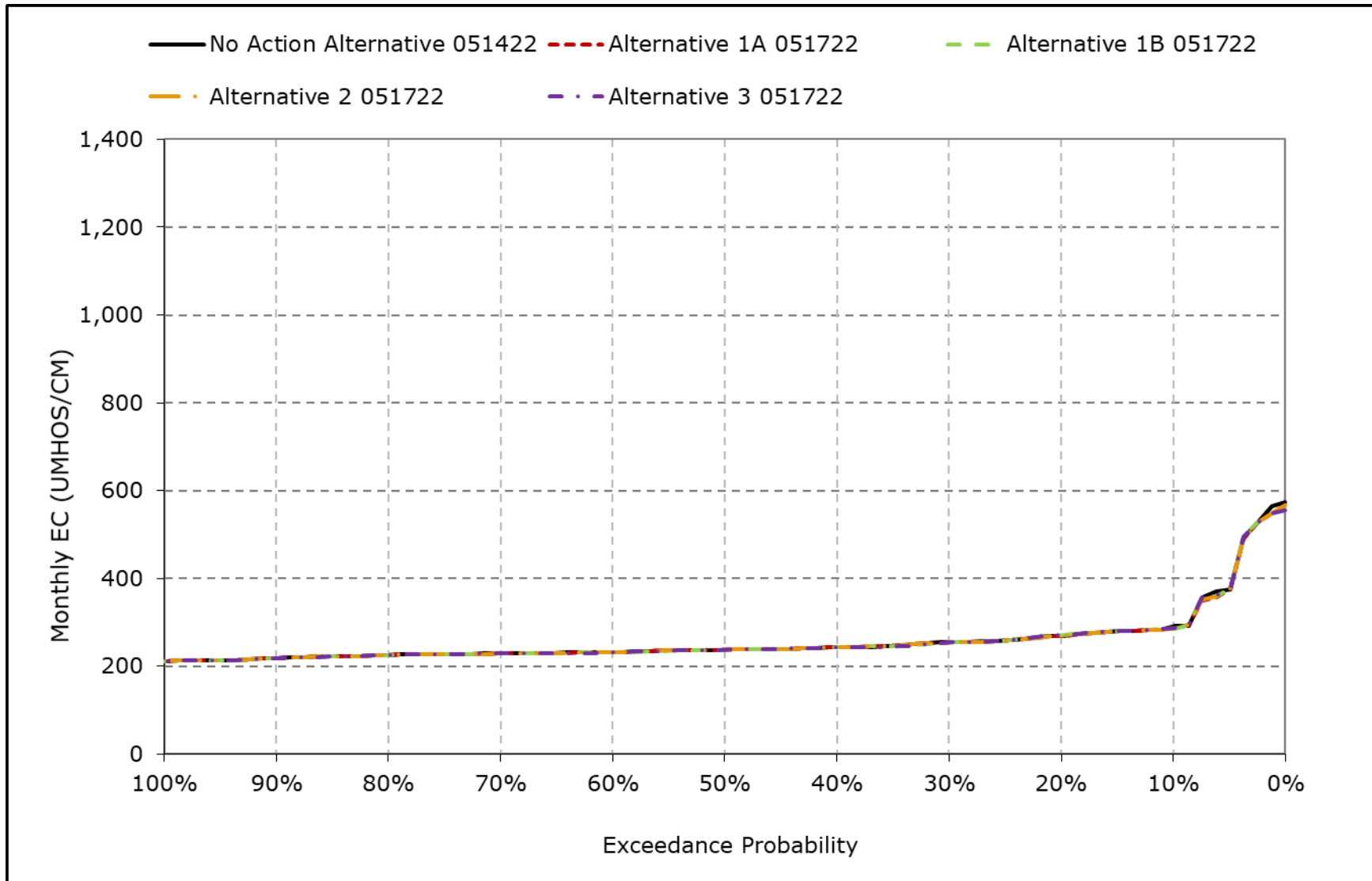
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-15-11. Old River at Rock Slough Salinity, May EC**



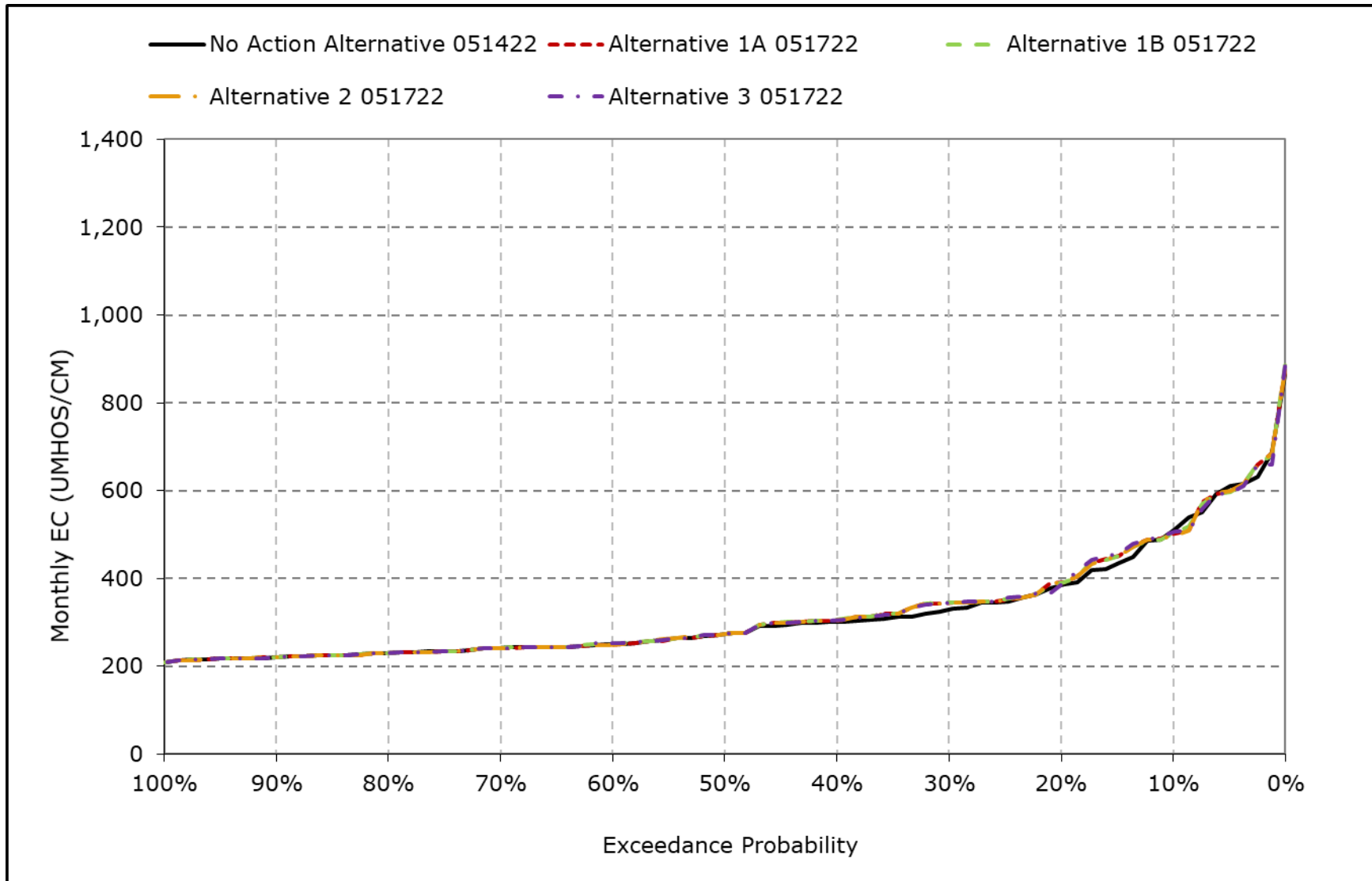
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-15-12. Old River at Rock Slough Salinity, June EC**



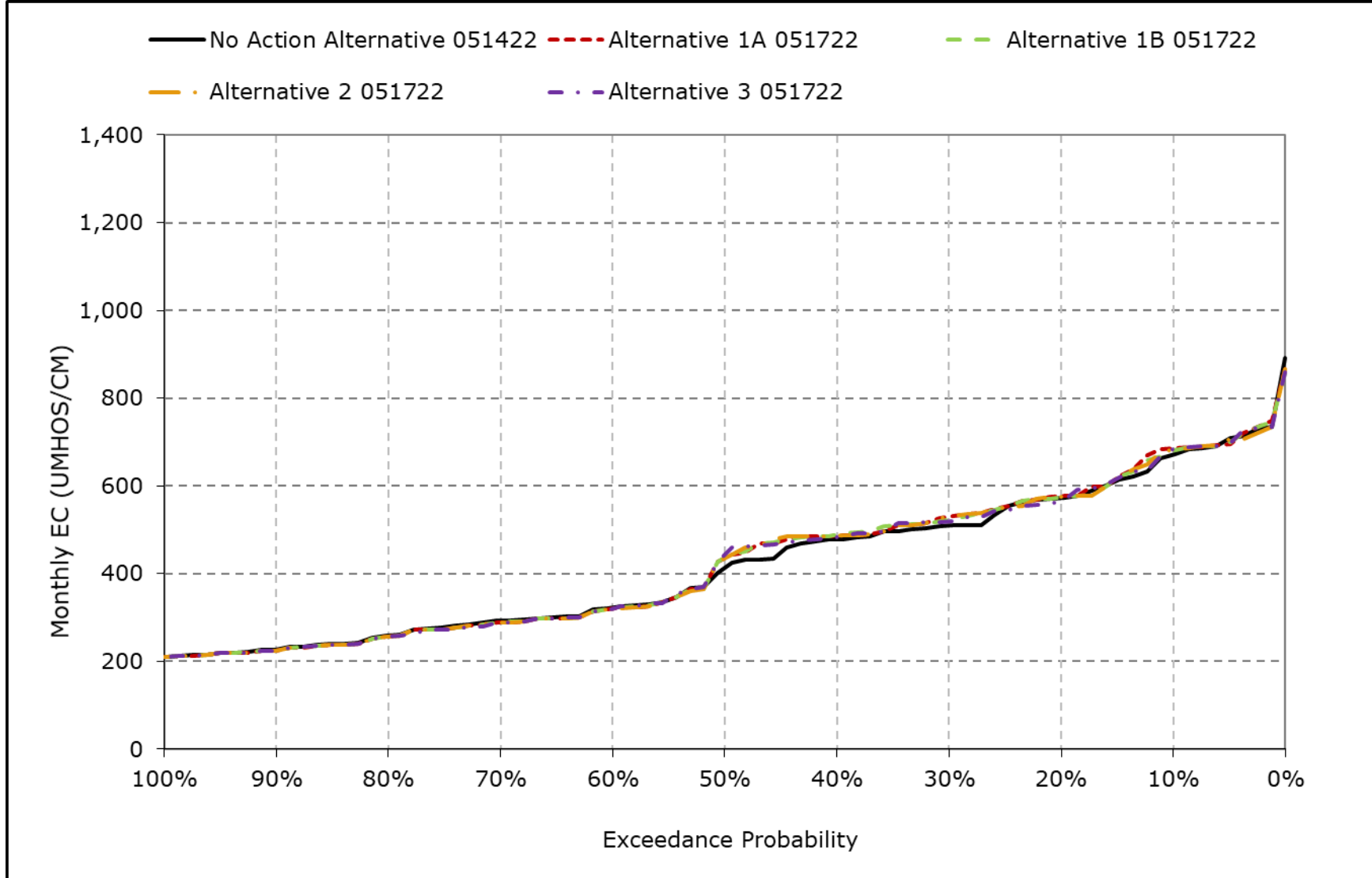
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-15-13. Old River at Rock Slough Salinity, July EC**



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

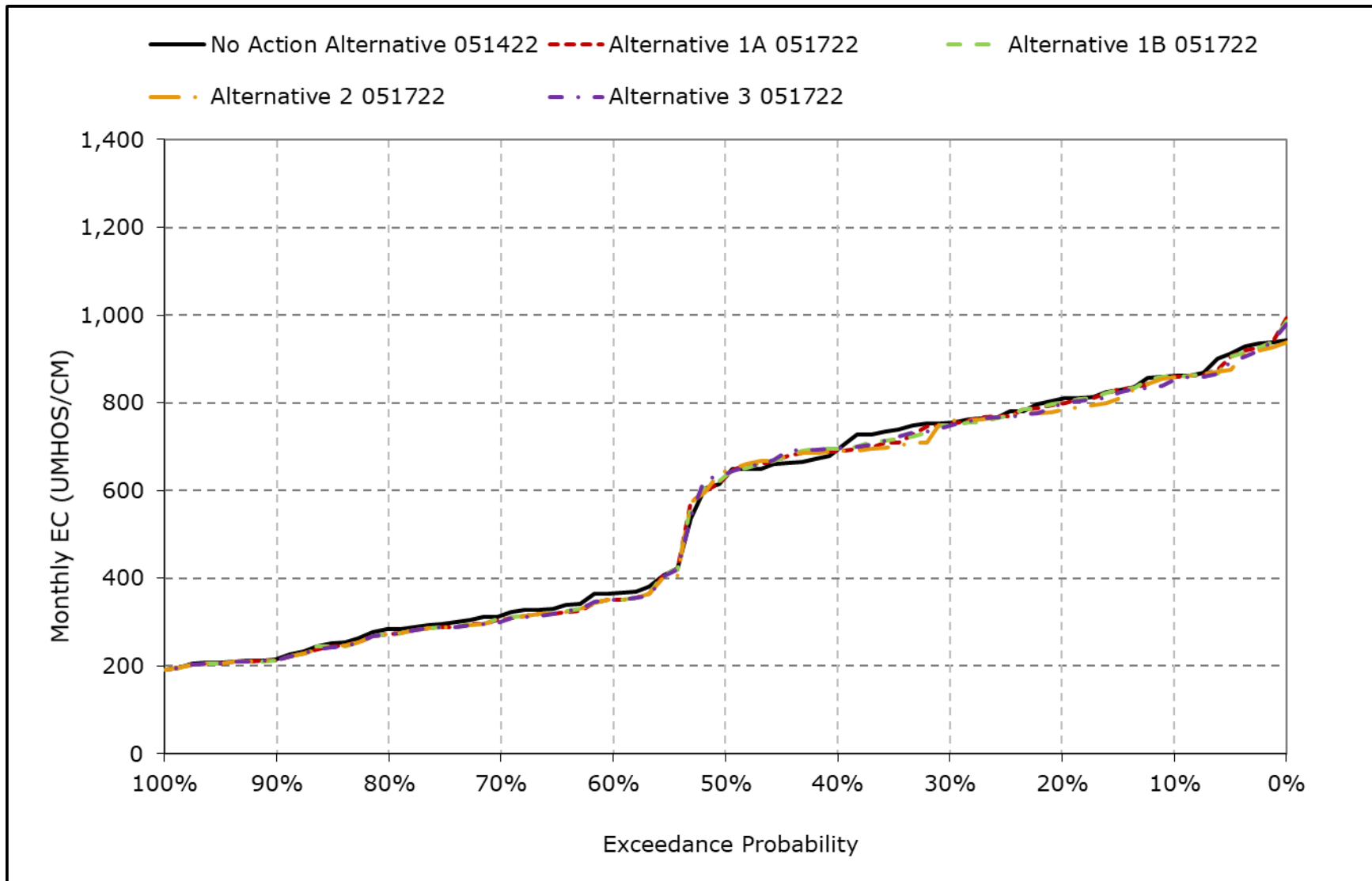
**Figure 6B1-15-14. Old River at Rock Slough Salinity, August EC**



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

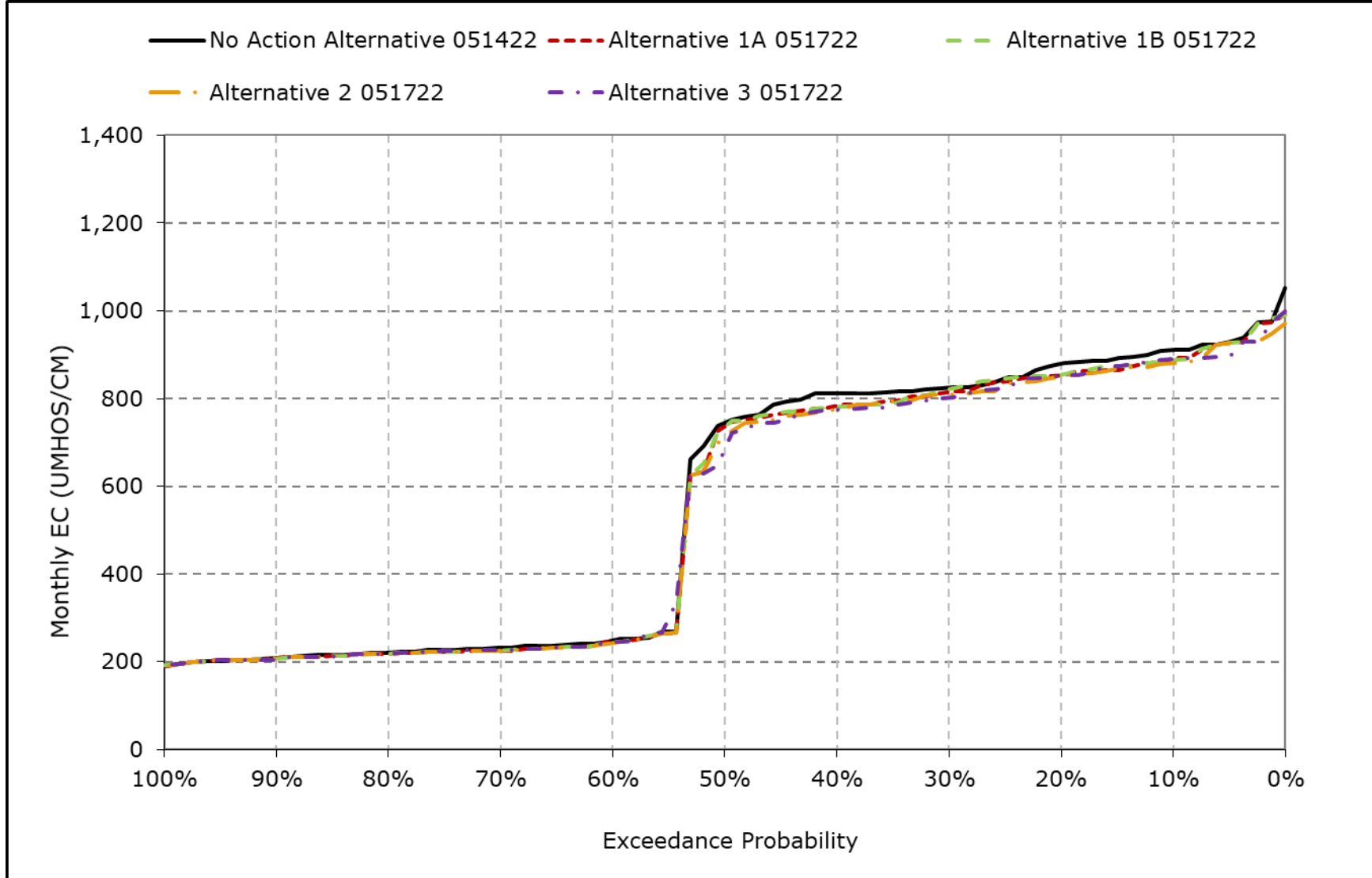


**Figure 6B1-15-15. Old River at Rock Slough Salinity, September EC**



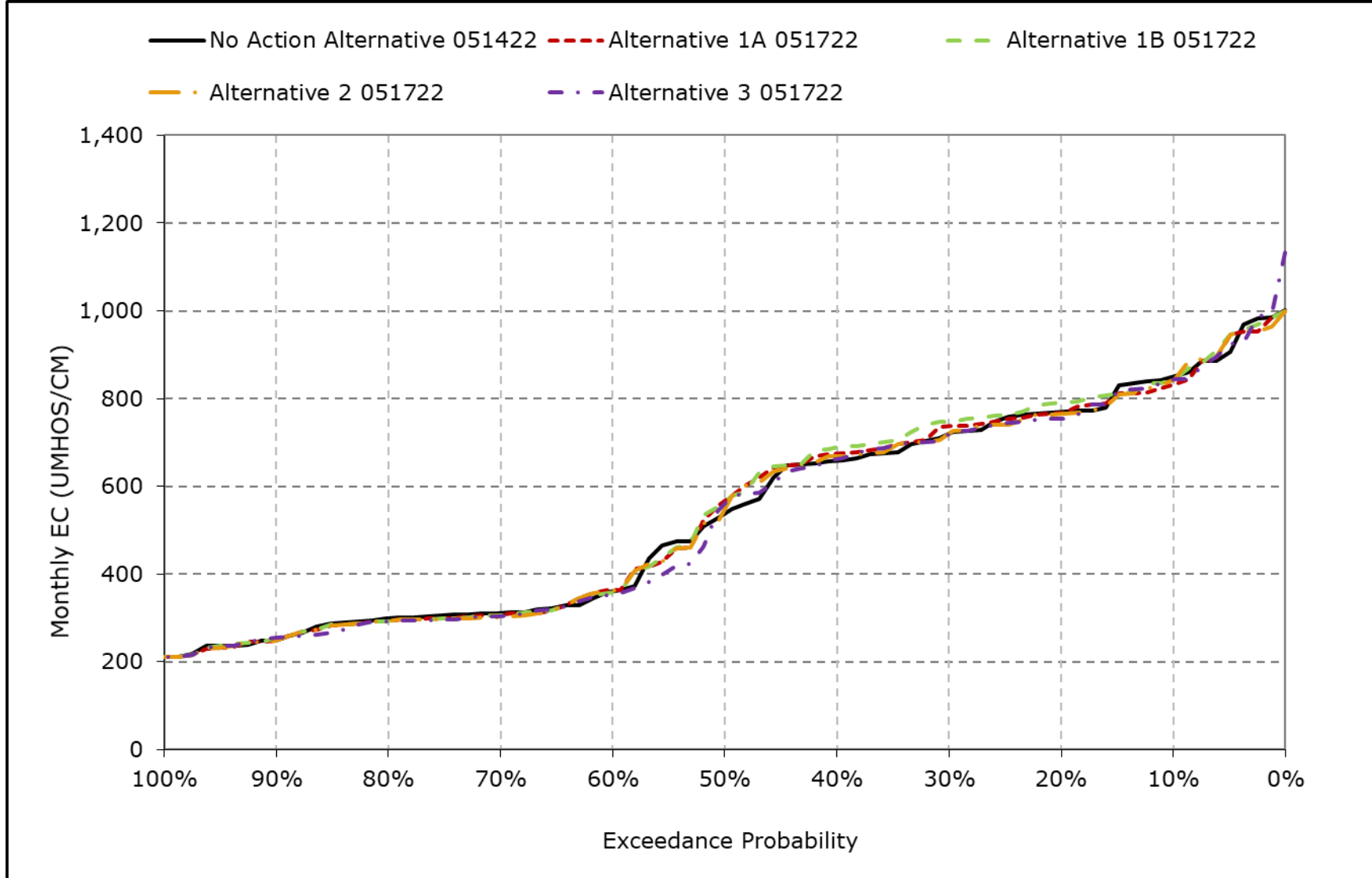
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-15-16. Old River at Rock Slough Salinity, October EC**



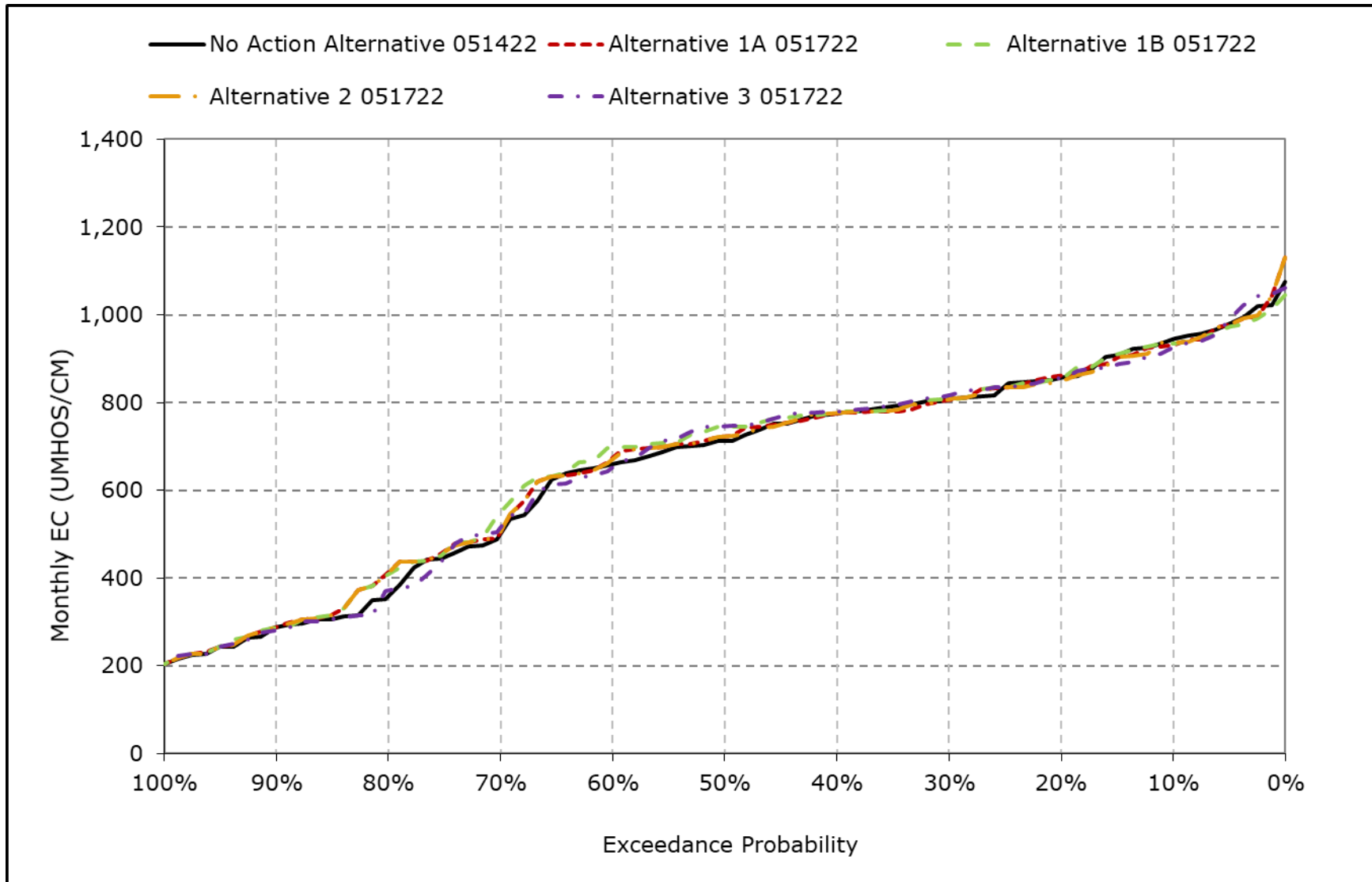
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-15-17. Old River at Rock Slough Salinity, November EC**



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

**Figure 6B1-15-18. Old River at Rock Slough Salinity, December EC**



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



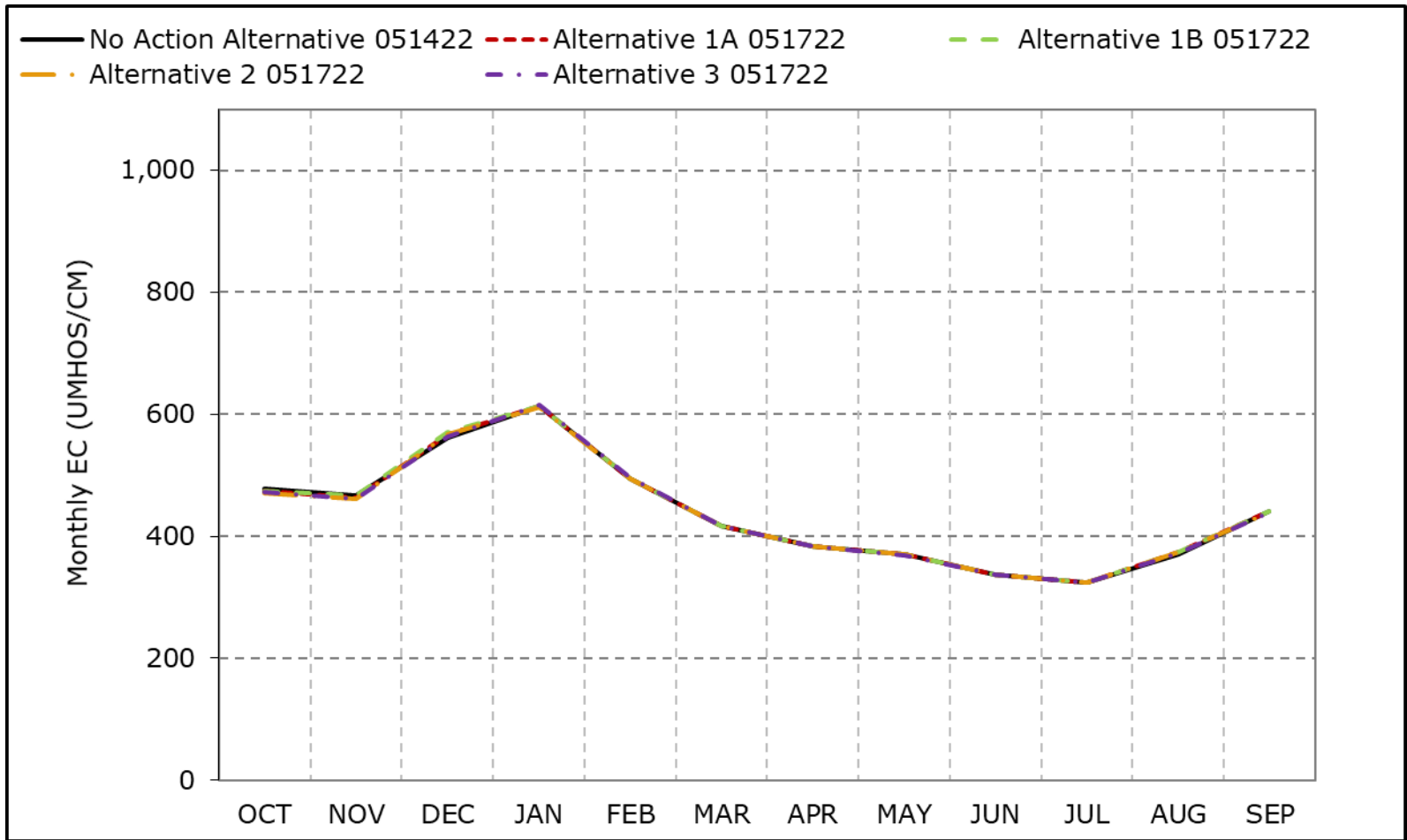








**Figure 6B1-16-1. Banks Pumping Plant South Delta Exports, Long-Term Average EC**

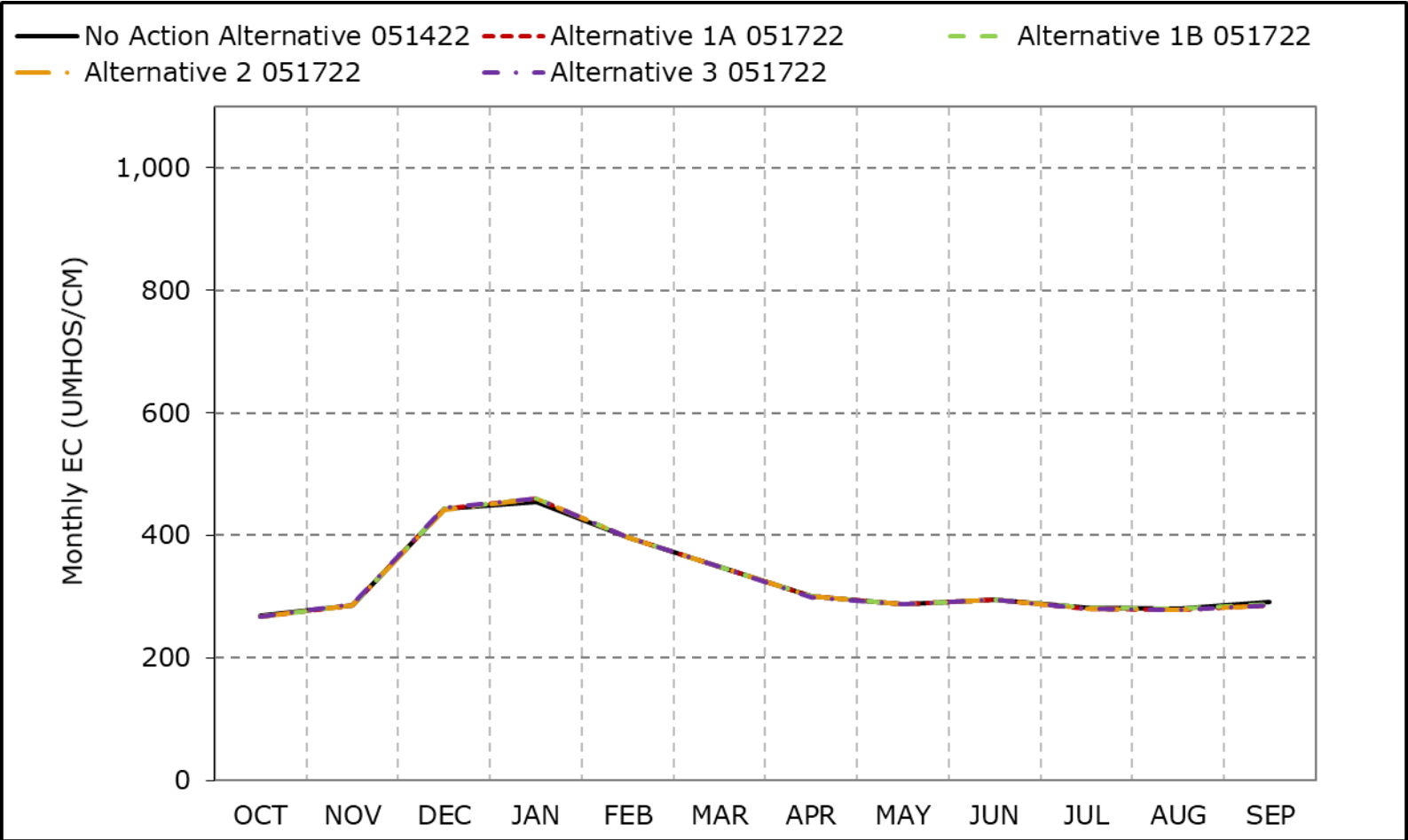


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

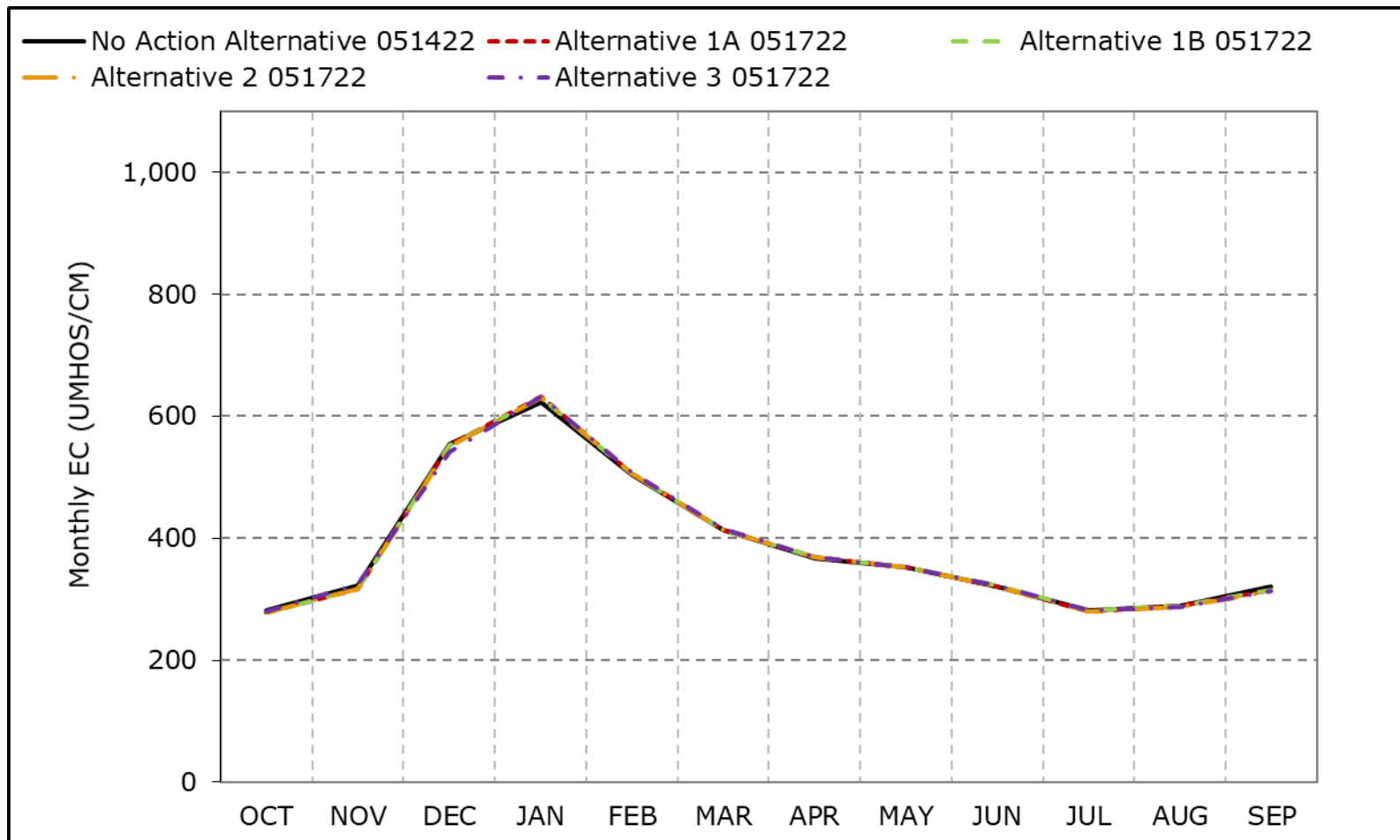
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-16-2. Banks Pumping Plant South Delta Exports, 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 calendar year - year type sorting.  
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-16-3. Banks Pumping Plant South Delta Exports, Above Normal Year Average EC**

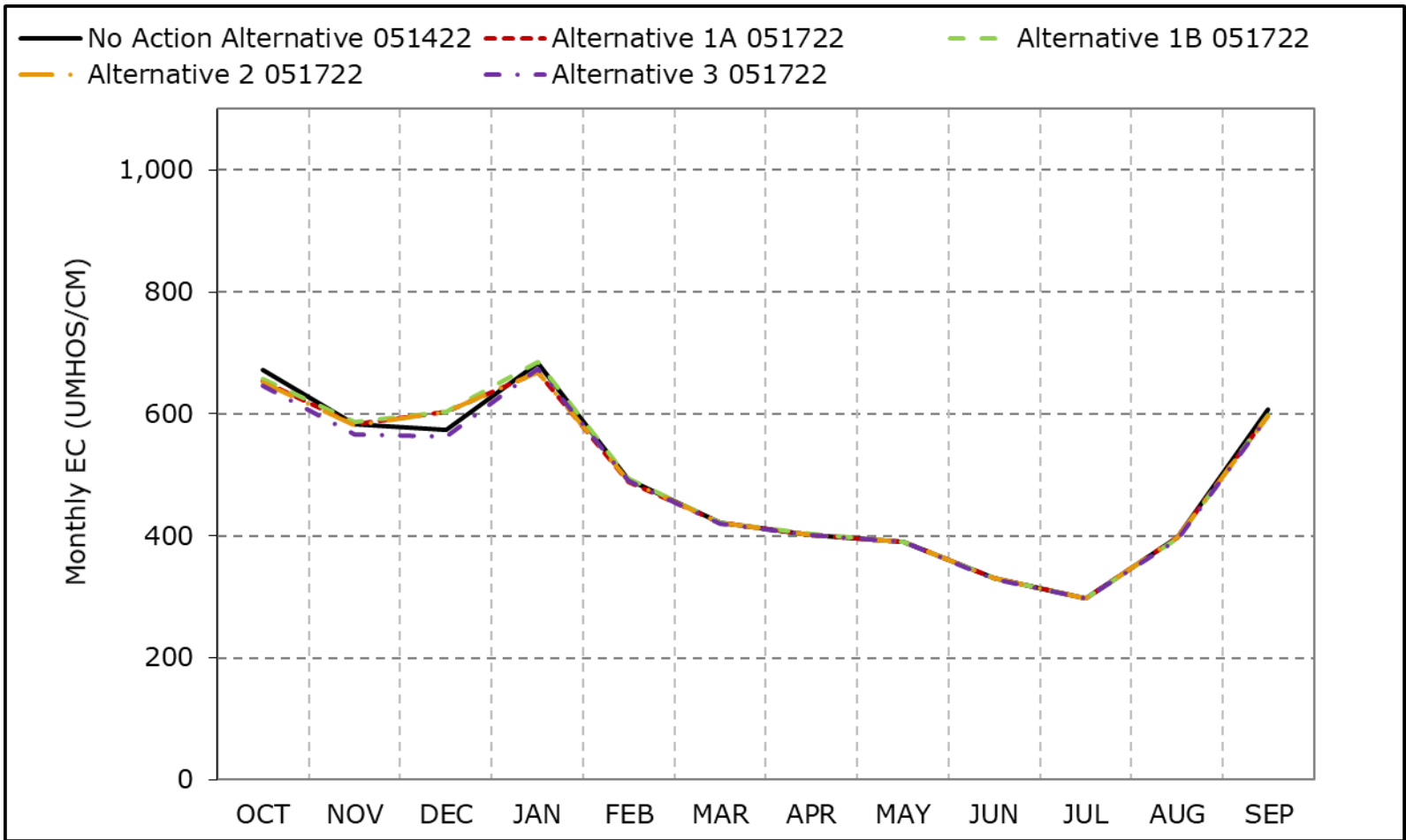


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-16-4. Banks Pumping Plant South Delta Exports, Below Normal Year Average EC**

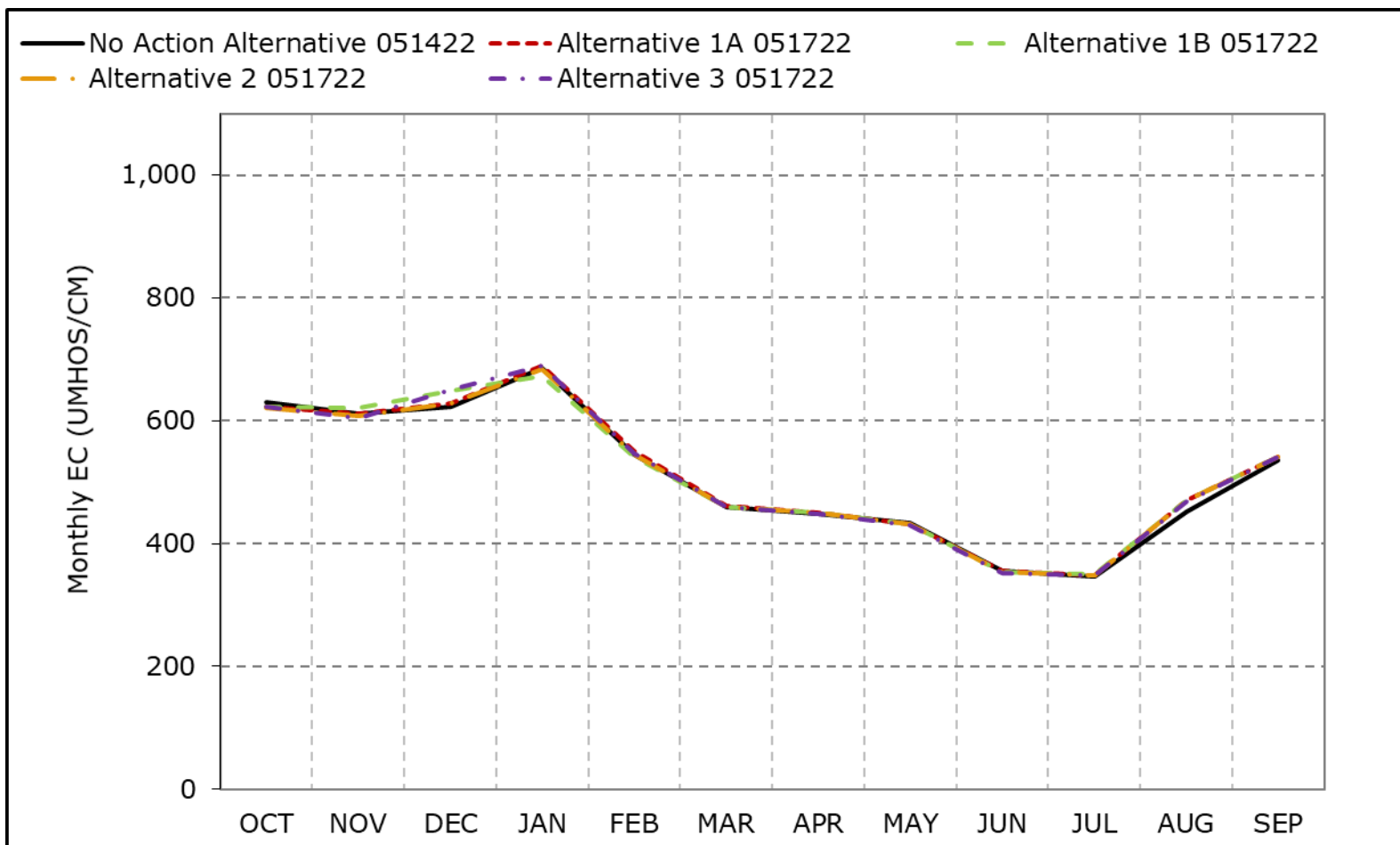


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-16-5. Banks Pumping Plant South Delta Exports, Dry Year Average EC**

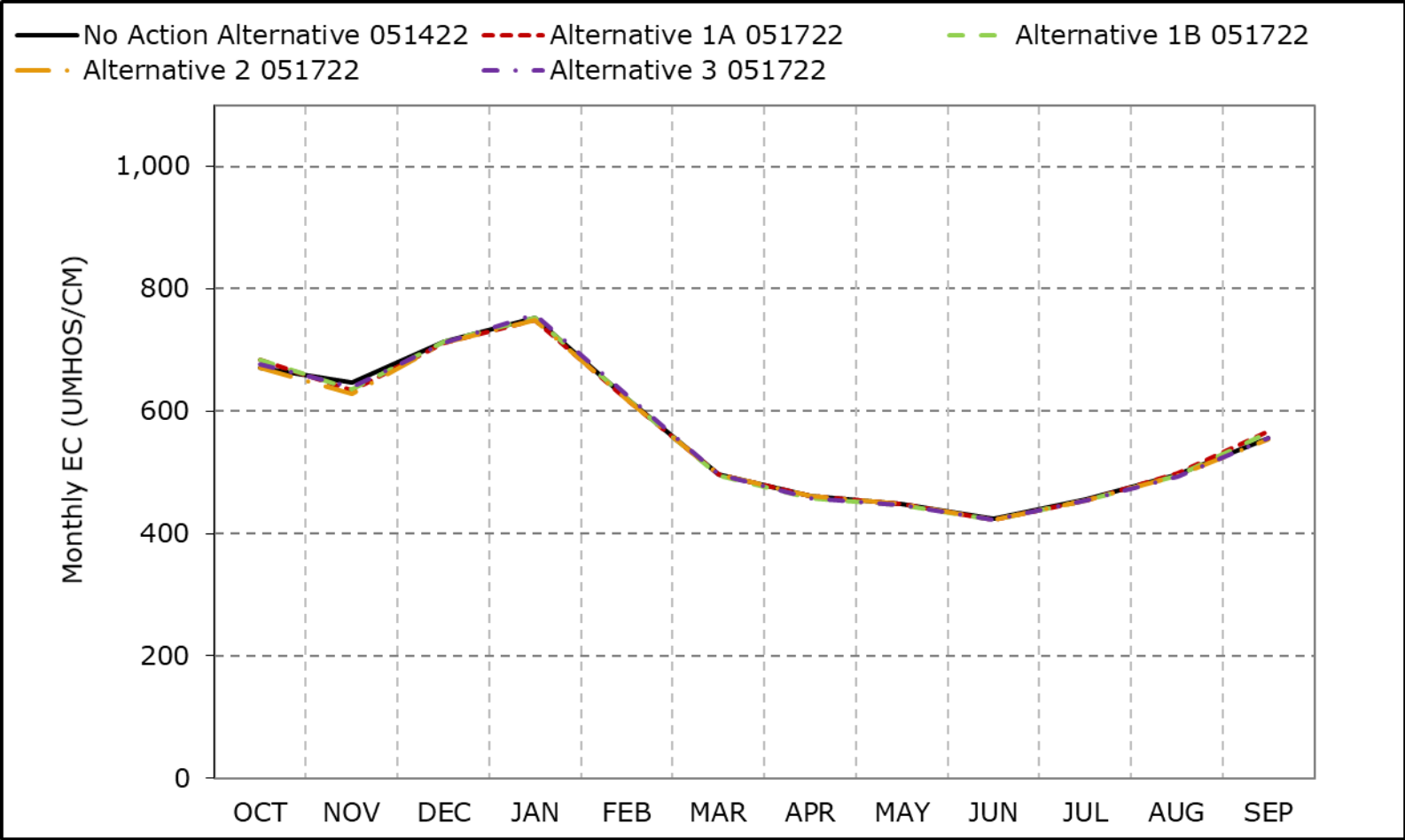


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

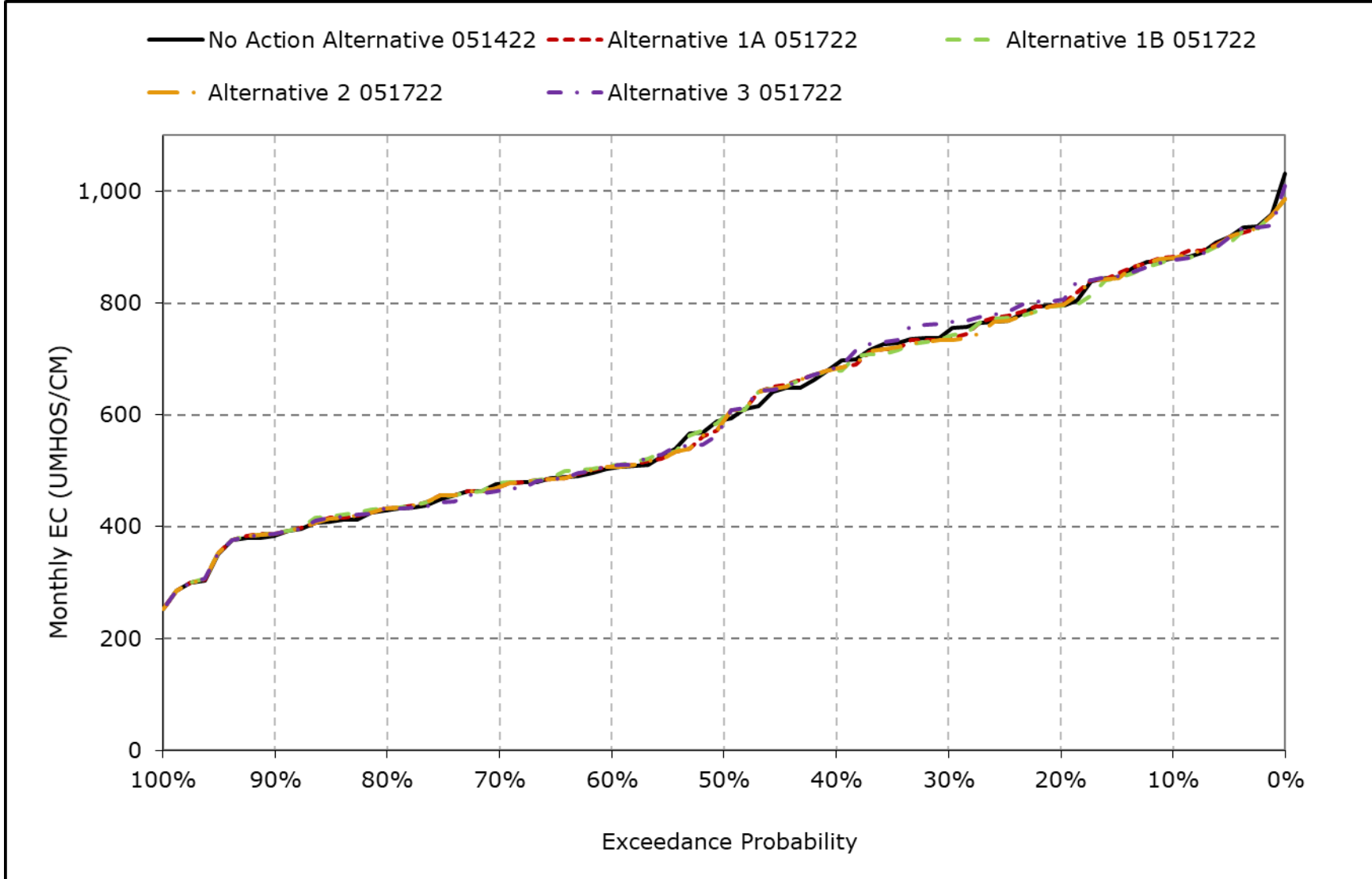
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-16-6. Banks Pumping Plant South Delta Exports, Critical Year Average EC**



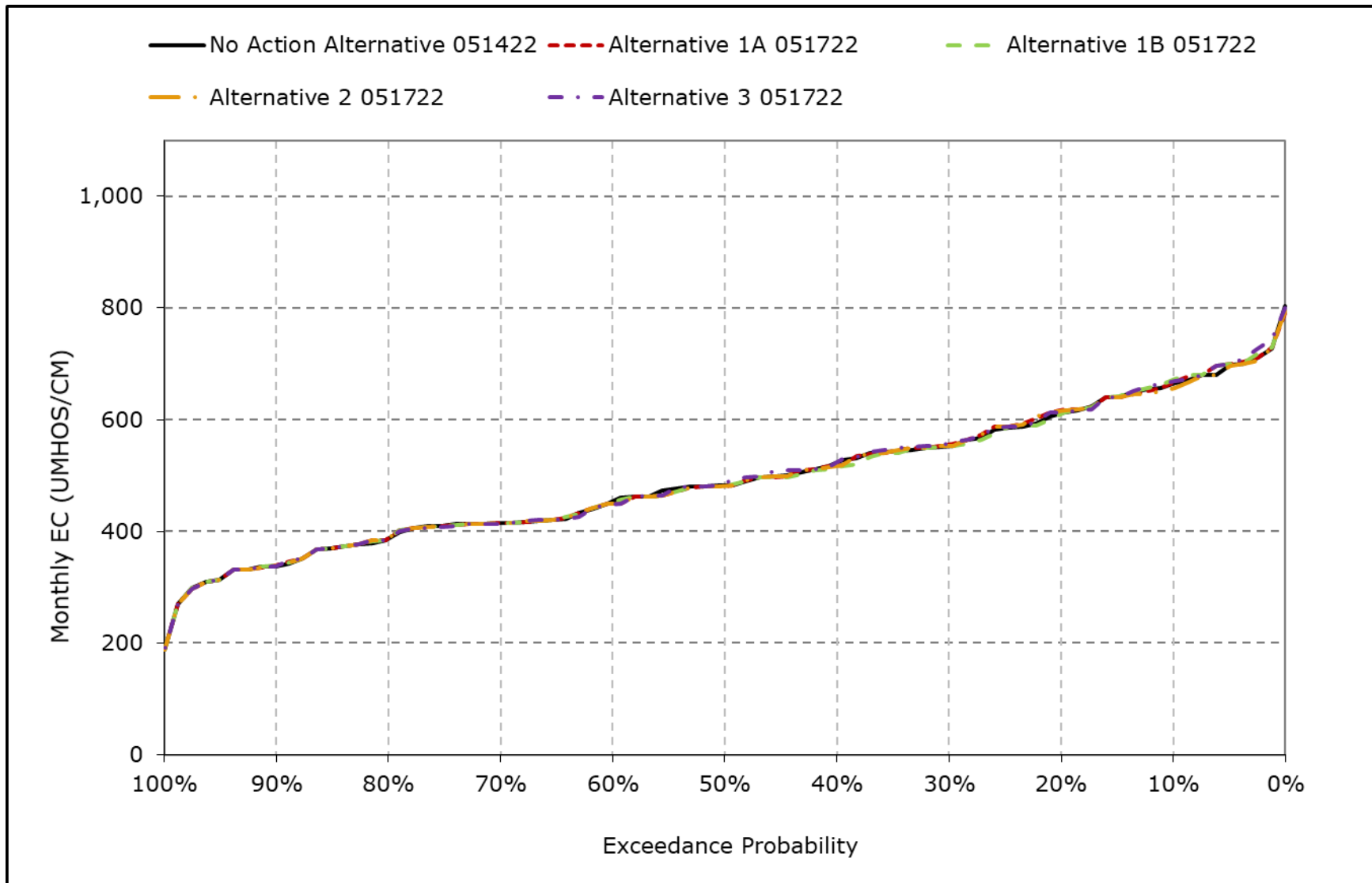
\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).  
 \*These results are displayed with calendar year - year type sorting.  
 \*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-16-7. Banks Pumping Plant South Delta Exports Salinity, January EC**



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

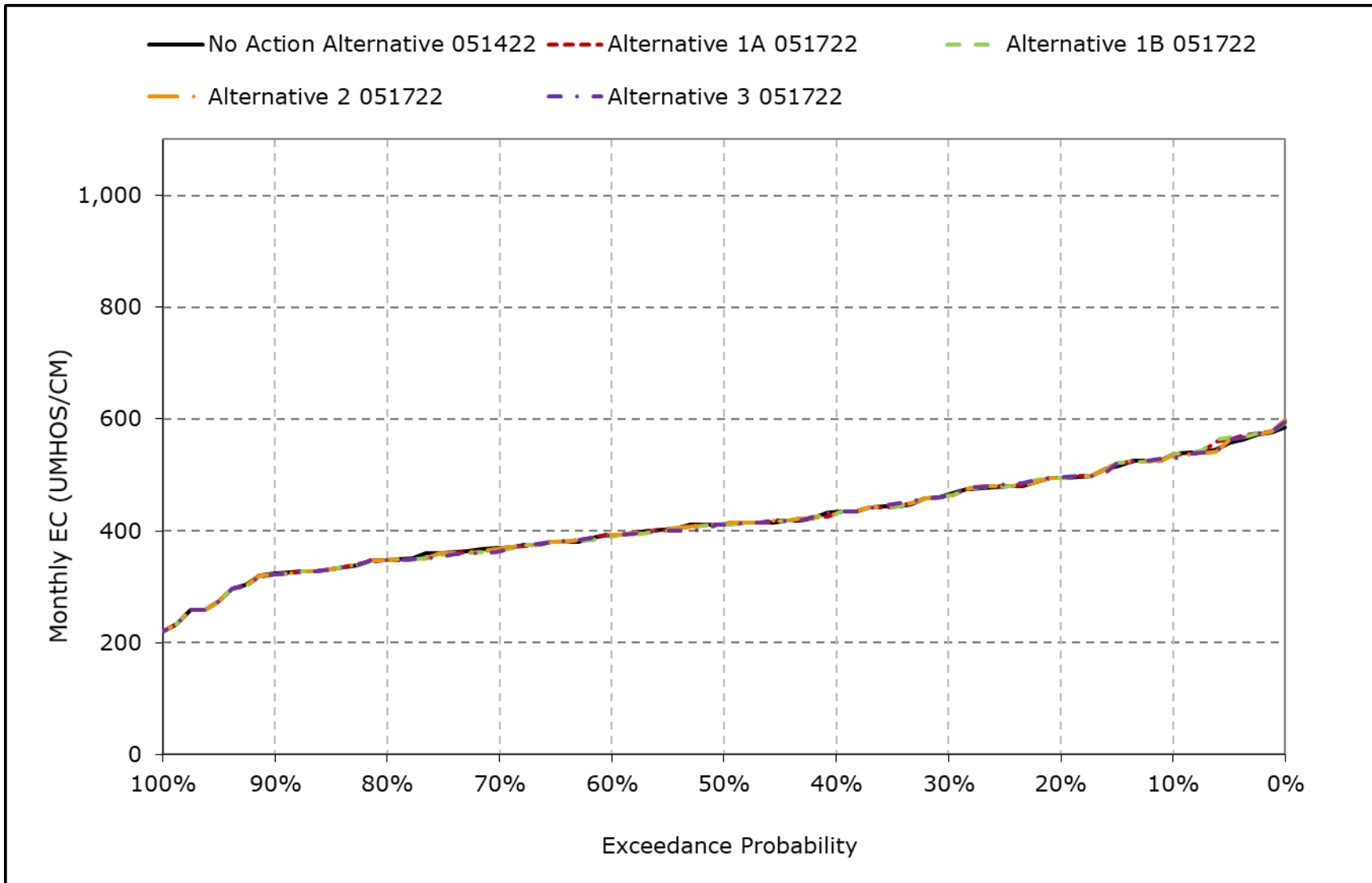
**Figure 6B1-16-8. Banks Pumping Plant South Delta Exports Salinity, February EC**



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

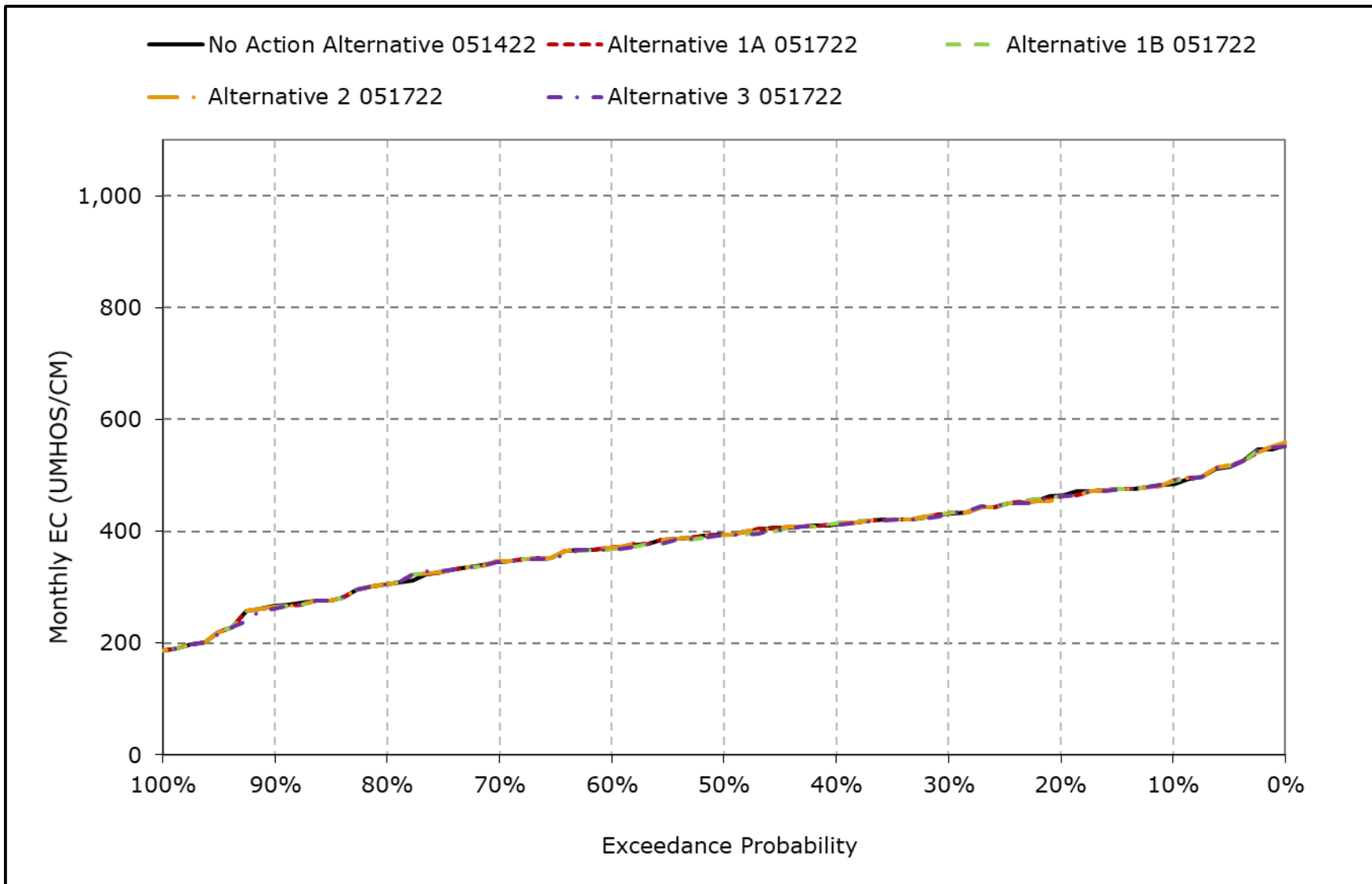


**Figure 6B1-16-9. Banks Pumping Plant South Delta Exports Salinity, March EC**



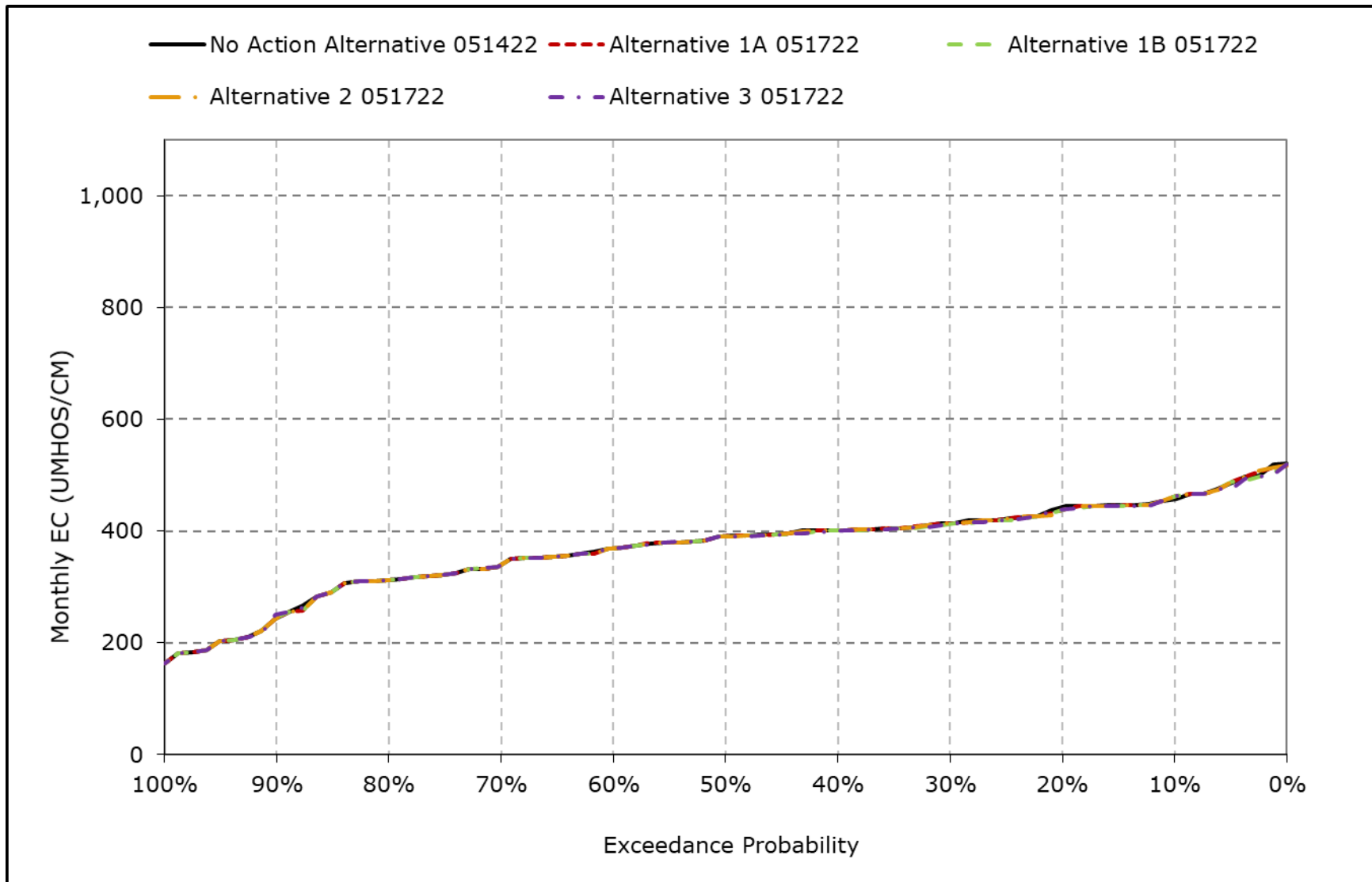
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-16-10. Banks Pumping Plant South Delta Exports Salinity, April EC**



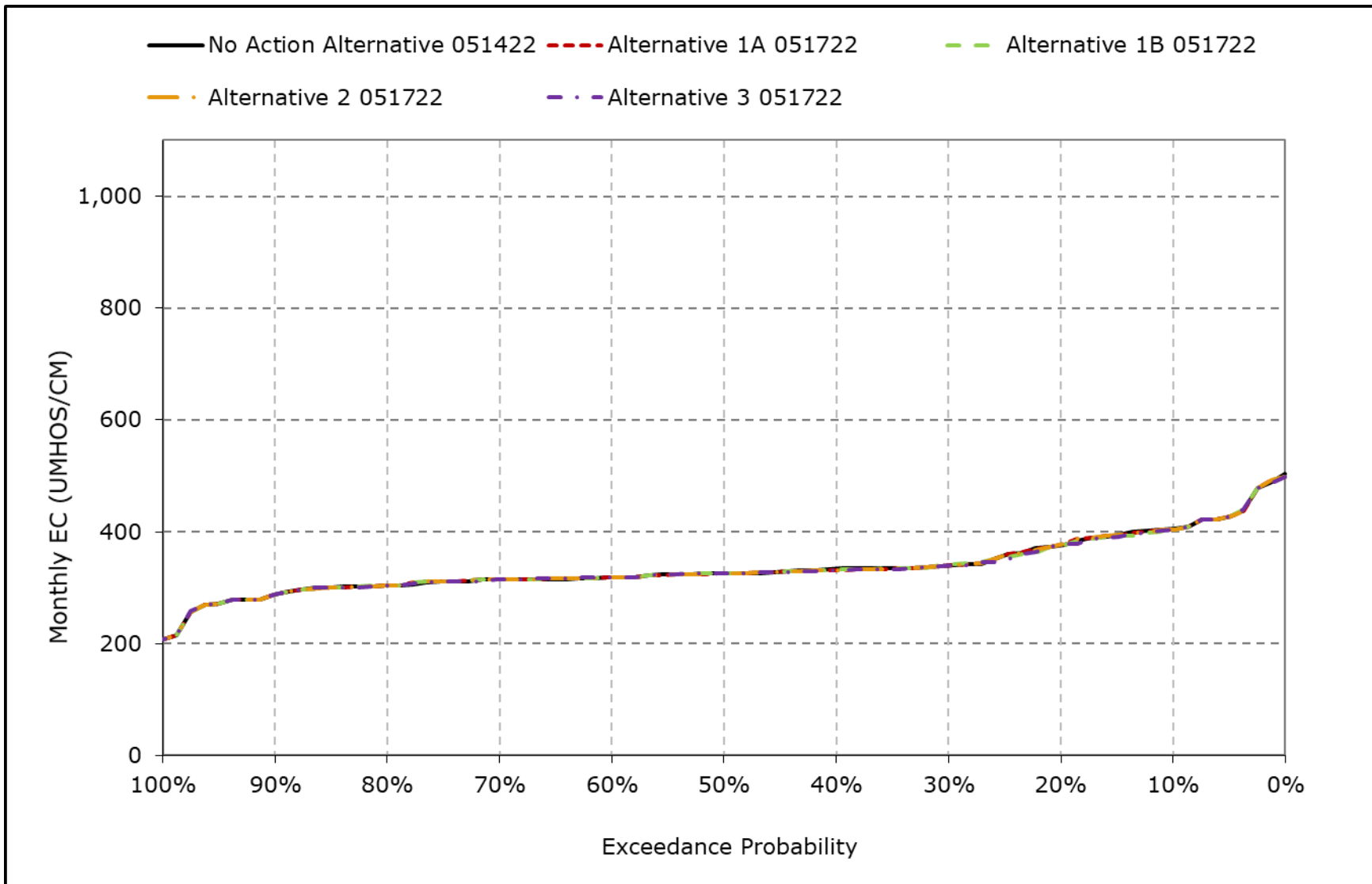
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-16-11. Banks Pumping Plant South Delta Exports Salinity, May EC**



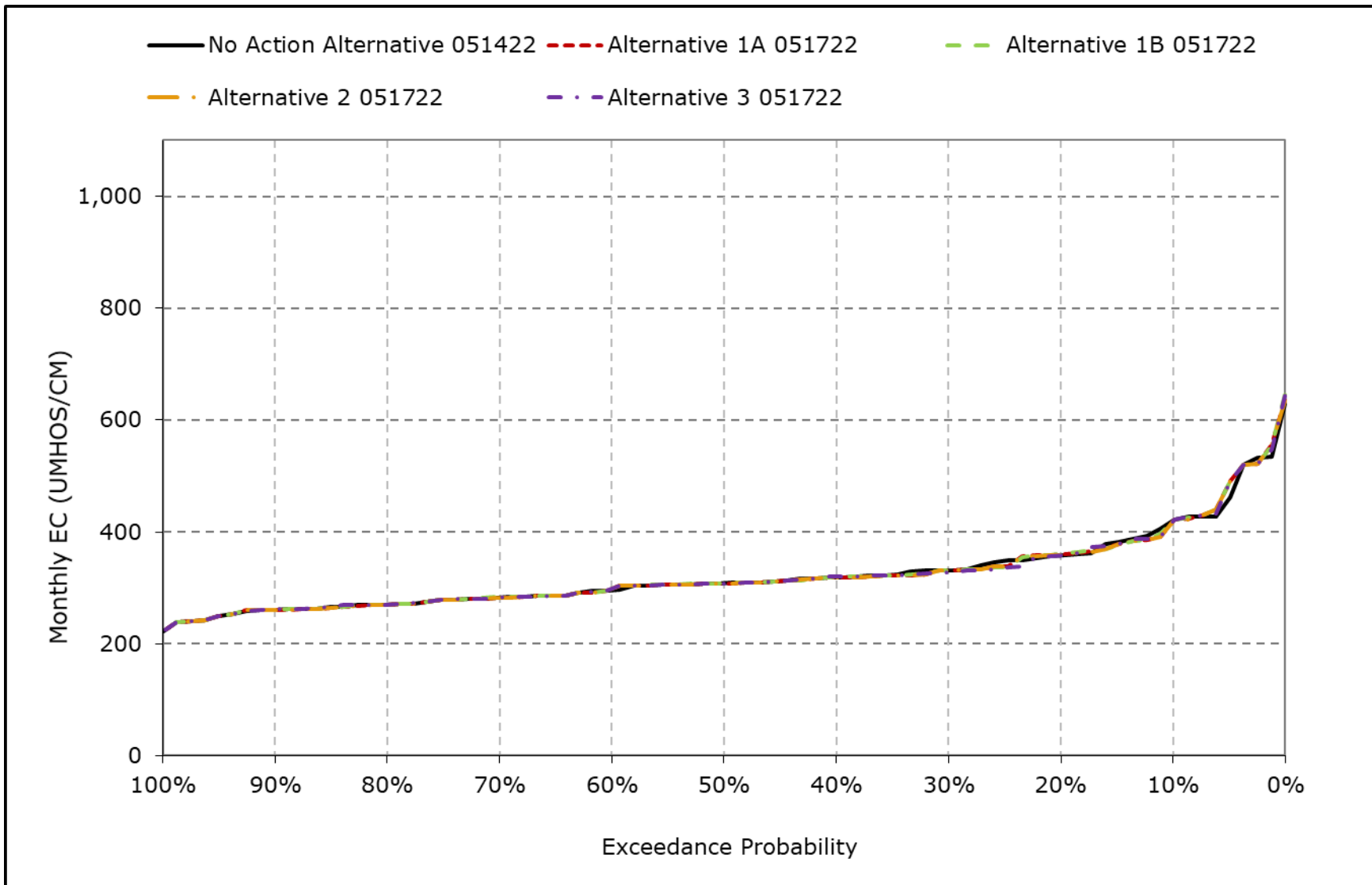
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-16-12. Banks Pumping Plant South Delta Exports Salinity, June EC**



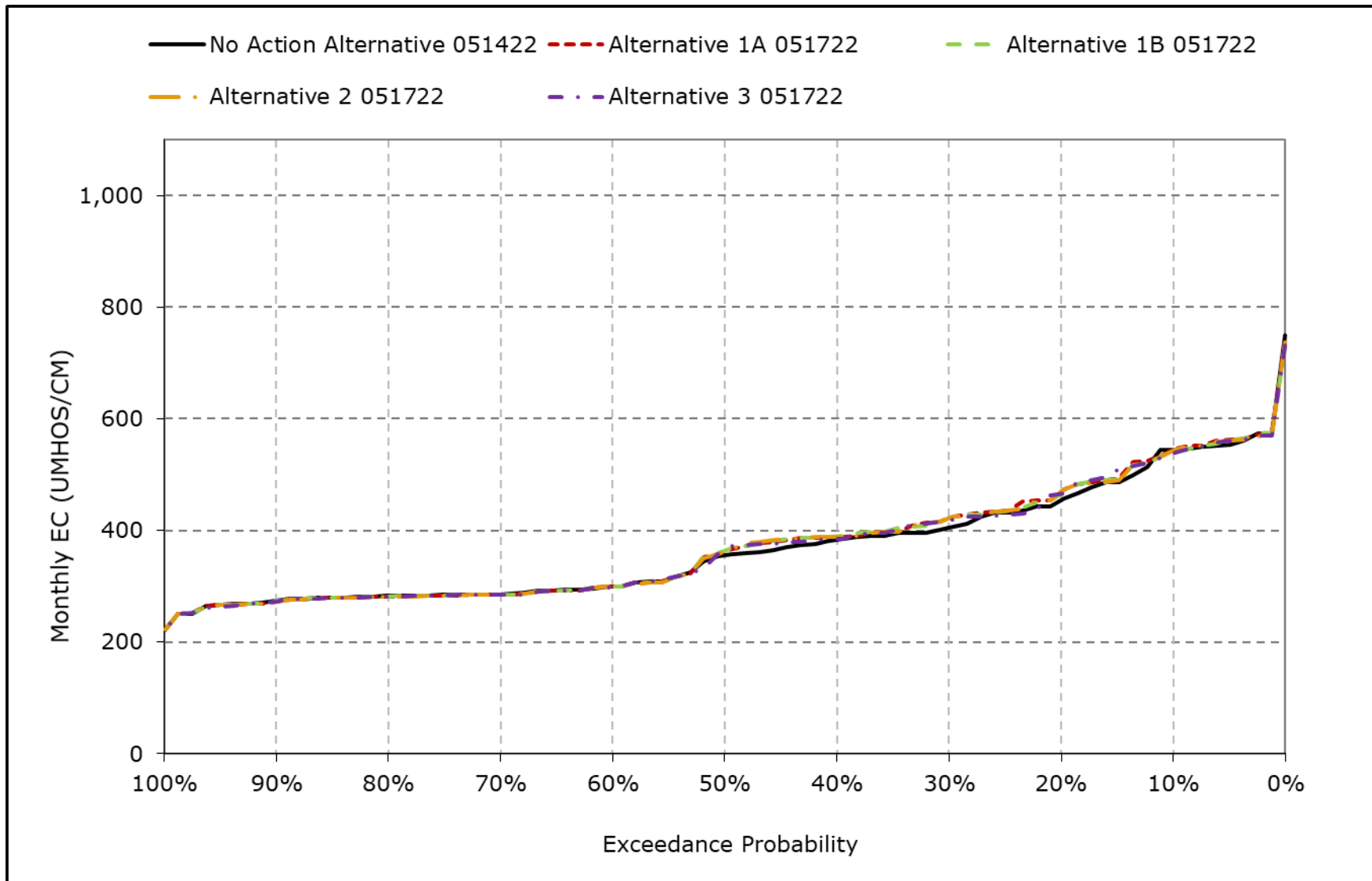
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-16-13. Banks Pumping Plant South Delta Exports Salinity, July EC**



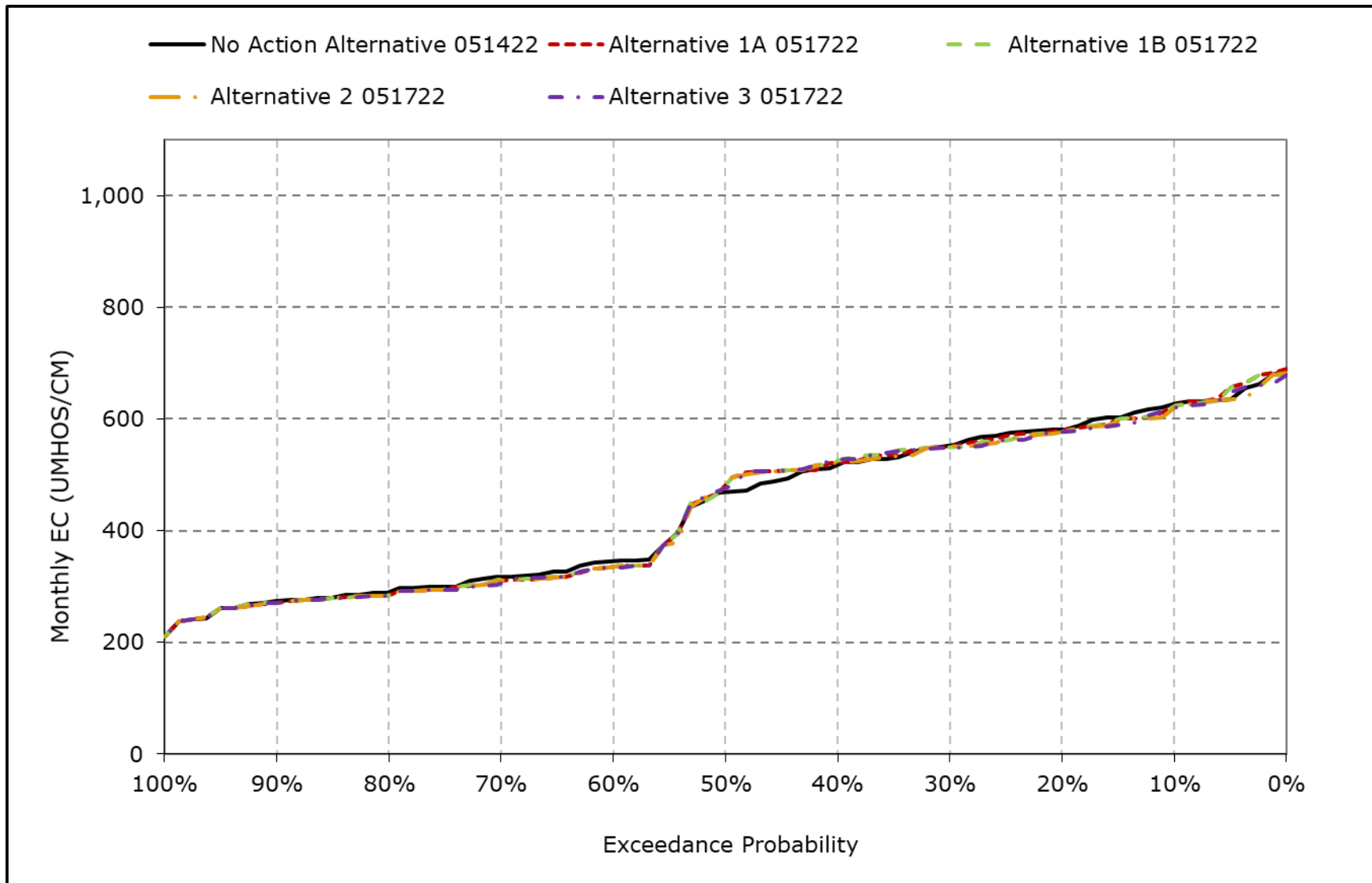
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-16-14. Banks Pumping Plant South Delta Exports Salinity, August EC**



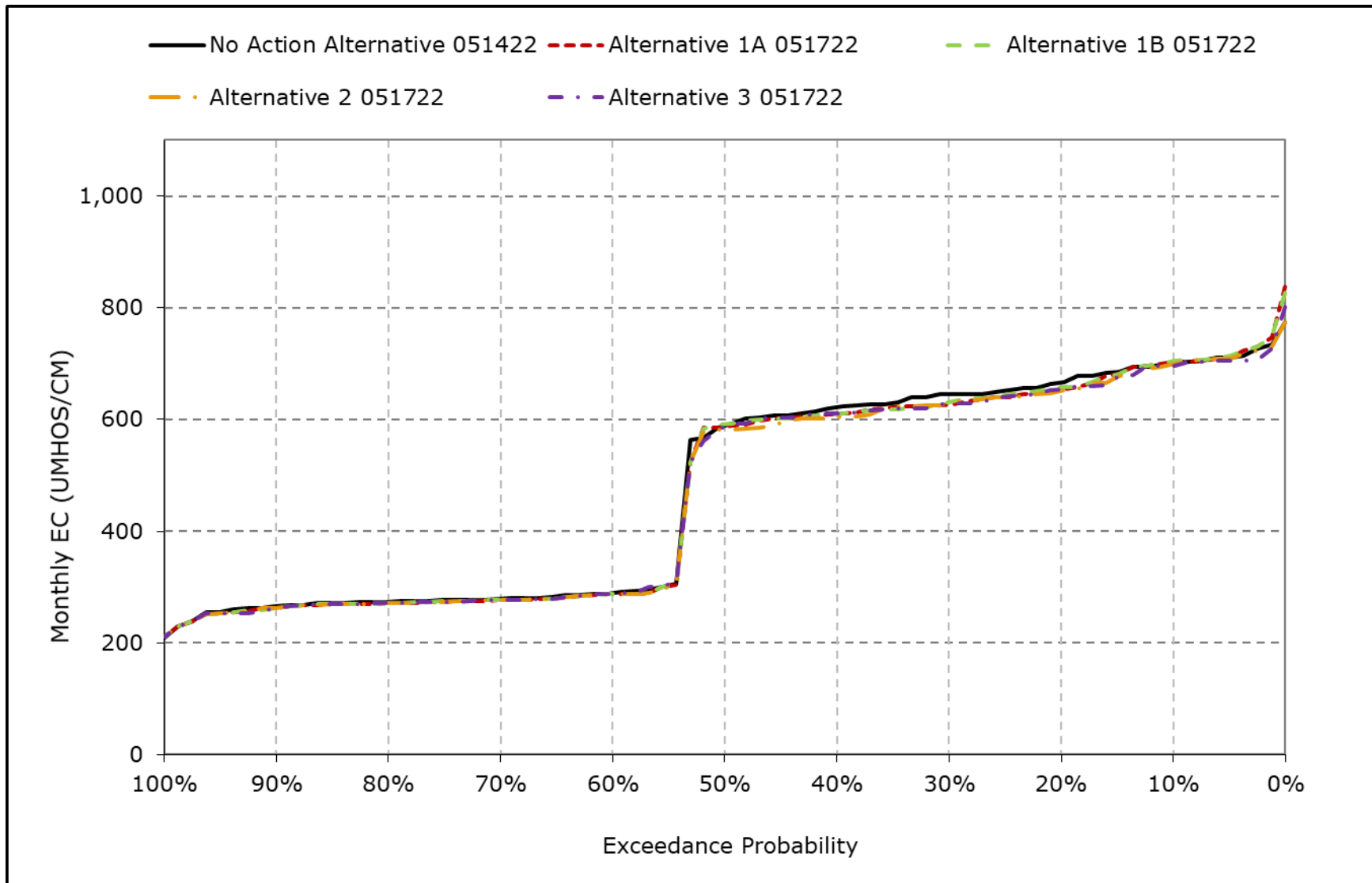
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-16-15. Banks Pumping Plant South Delta Exports Salinity, September EC**



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

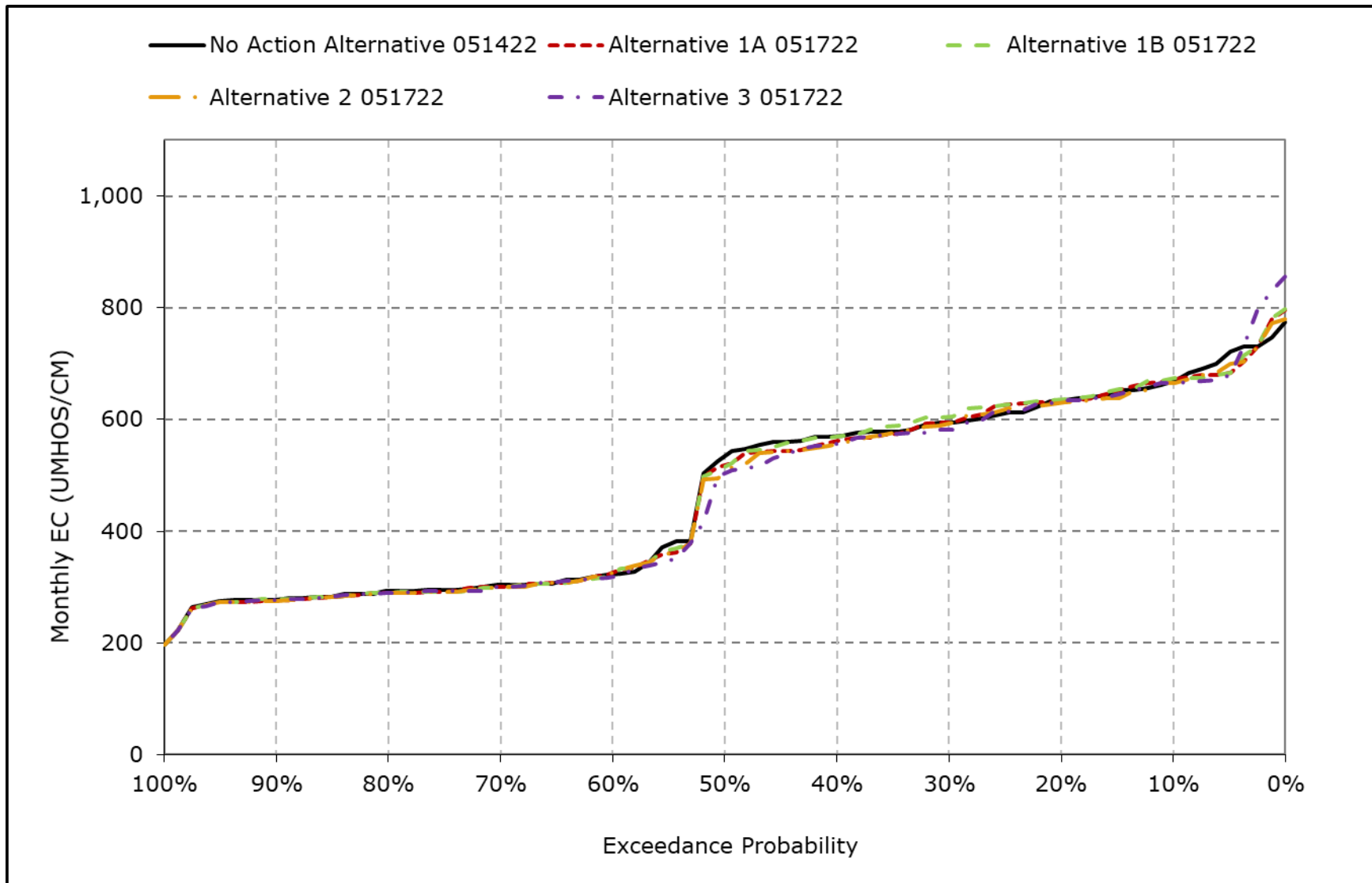
**Figure 6B1-16-16. Banks Pumping Plant South Delta Exports Salinity, October EC**



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

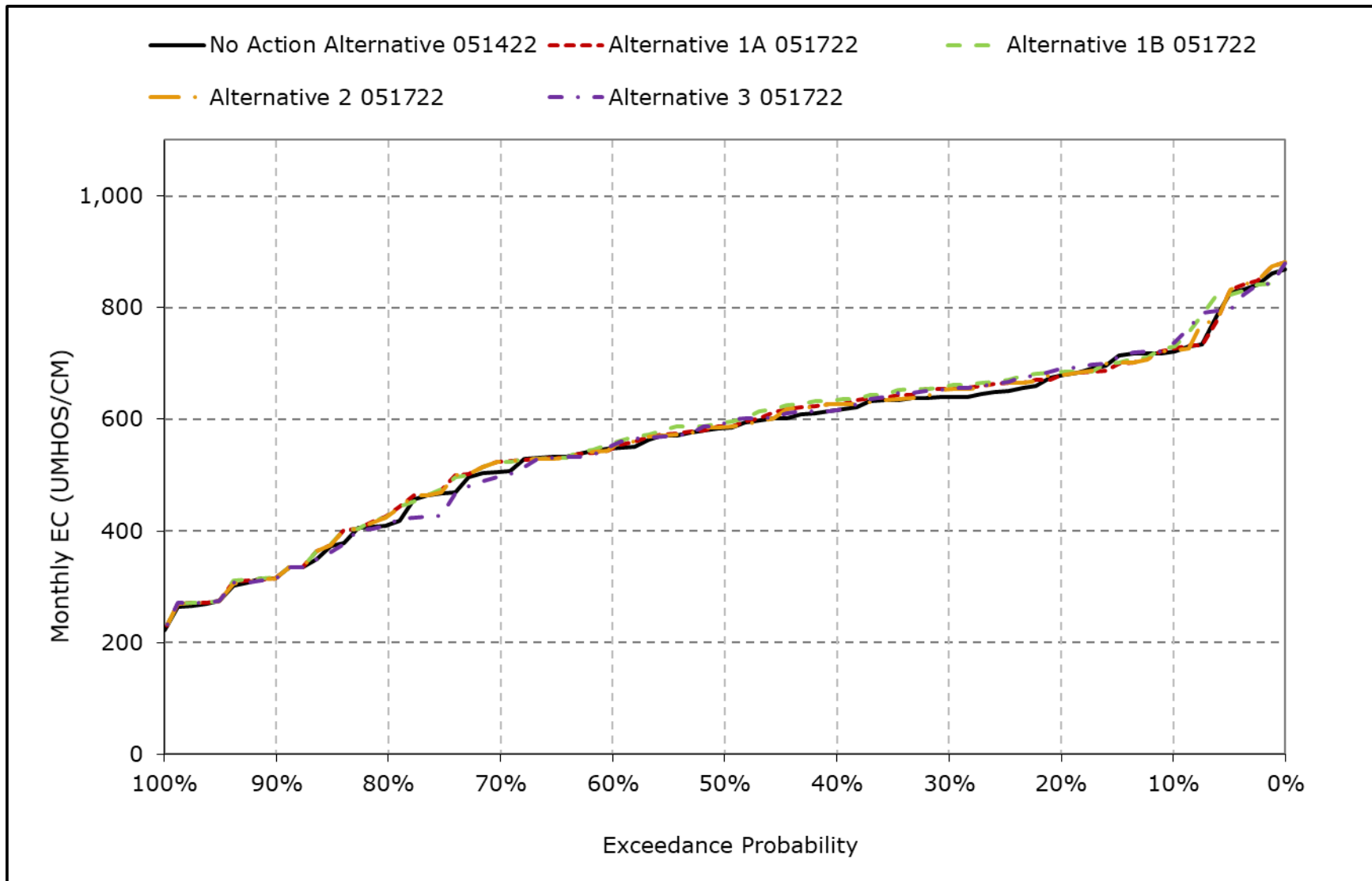


**Figure 6B1-16-17. Banks Pumping Plant South Delta Exports Salinity, November EC**



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

**Figure 6B1-16-18. Banks Pumping Plant South Delta Exports Salinity, December EC**



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

**Table 6B1-17-1a. Jones Pumping Plant South Delta Exports, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	665	677	788	845	750	670	580	490	389	413	549	625
<b>20% Exceedance</b>	639	630	744	801	708	642	517	453	370	389	483	590
<b>30% Exceedance</b>	616	611	719	775	642	569	462	429	354	373	430	571
<b>40% Exceedance</b>	595	579	690	727	604	558	402	396	346	360	419	544
<b>50% Exceedance</b>	574	542	665	649	577	520	363	365	341	340	390	502
<b>60% Exceedance</b>	379	386	619	614	535	478	338	356	336	329	339	383
<b>70% Exceedance</b>	367	366	573	556	478	376	317	344	327	313	325	359
<b>80% Exceedance</b>	359	351	524	512	413	333	287	322	315	305	317	344
<b>90% Exceedance</b>	347	338	447	454	338	308	233	218	302	286	307	330
<b>Full Simulation Period Average<sup>a</sup></b>	502	495	635	656	556	498	391	375	346	354	399	470
<b>Wet Water Years (32%)</b>	347	341	526	510	413	359	271	285	323	320	310	333
<b>Above Normal Years (15%)</b>	370	387	637	662	553	437	332	341	337	326	328	369
<b>Below Normal Years (17%)</b>	623	581	630	688	536	497	386	377	339	334	430	603
<b>Dry Water Years (22%)</b>	606	622	692	730	659	604	479	444	339	368	478	552
<b>Critical Water Years (15%)</b>	669	643	788	817	736	702	586	495	419	461	511	590

**Table 6B1-17-1b. Jones Pumping Plant South Delta Exports, Alternative 1A 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	666	667	801	844	743	675	585	490	388	414	557	628
<b>20% Exceedance</b>	636	634	756	803	708	643	517	452	369	391	494	587
<b>30% Exceedance</b>	612	604	720	775	639	569	462	430	354	375	447	568
<b>40% Exceedance</b>	590	583	698	728	604	558	402	396	346	360	421	546
<b>50% Exceedance</b>	566	543	669	654	577	520	363	365	341	340	394	511
<b>60% Exceedance</b>	377	391	623	610	536	479	338	356	333	330	338	375
<b>70% Exceedance</b>	366	364	582	555	470	381	317	344	327	315	325	357
<b>80% Exceedance</b>	358	347	521	513	414	333	287	322	315	305	316	341
<b>90% Exceedance</b>	345	337	450	455	338	308	234	218	302	286	306	327
<b>Full Simulation Period Average<sup>a</sup></b>	498	494	638	656	557	498	391	374	345	355	403	469
<b>Wet Water Years (32%)</b>	344	341	526	512	413	359	271	285	323	320	309	330
<b>Above Normal Years (15%)</b>	368	381	635	666	554	437	332	341	337	326	327	365
<b>Below Normal Years (17%)</b>	612	586	648	679	535	497	386	378	338	334	429	594
<b>Dry Water Years (22%)</b>	603	625	696	734	663	605	477	443	338	374	493	555
<b>Critical Water Years (15%)</b>	669	634	787	811	735	701	586	495	418	459	515	597

**Table 6B1-17-1c. Jones Pumping Plant South Delta Exports, Alternative 1A 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	1	-10	13	-1	-7	5	4	0	0	1	8	3
<b>20% Exceedance</b>	-2	4	11	2	0	0	0	-1	0	2	11	-3
<b>30% Exceedance</b>	-4	-7	1	1	-3	0	0	0	0	3	17	-3
<b>40% Exceedance</b>	-6	3	7	1	0	0	0	0	0	0	2	2
<b>50% Exceedance</b>	-8	1	4	5	0	0	0	0	0	0	4	9
<b>60% Exceedance</b>	-2	6	4	-4	2	0	0	0	-3	1	-1	-9
<b>70% Exceedance</b>	-2	-2	8	-1	-8	5	0	0	0	1	-1	-2
<b>80% Exceedance</b>	-1	-3	-3	0	1	0	0	0	0	0	-1	-3
<b>90% Exceedance</b>	-2	-1	2	1	1	0	1	0	0	0	-1	-3
<b>Full Simulation Period Average<sup>a</sup></b>	-4	-1	4	0	1	0	0	0	-1	1	3	-1
<b>Wet Water Years (32%)</b>	-2	0	0	2	0	1	0	0	0	0	-1	-3
<b>Above Normal Years (15%)</b>	-2	-5	-2	4	1	0	0	0	0	0	-1	-5
<b>Below Normal Years (17%)</b>	-11	5	18	-9	-1	0	0	0	-1	0	-1	-9
<b>Dry Water Years (22%)</b>	-3	2	4	4	4	1	-1	-1	-1	6	15	3
<b>Critical Water Years (15%)</b>	0	-9	-1	-6	-1	0	0	0	-2	-2	5	7

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-17-2a. Jones Pumping Plant South Delta Exports, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	665	677	788	845	750	670	580	490	389	413	549	625
<b>20% Exceedance</b>	639	630	744	801	708	642	517	453	370	389	483	590
<b>30% Exceedance</b>	616	611	719	775	642	569	462	429	354	373	430	571
<b>40% Exceedance</b>	595	579	690	727	604	558	402	396	346	360	419	544
<b>50% Exceedance</b>	574	542	665	649	577	520	363	365	341	340	390	502
<b>60% Exceedance</b>	379	386	619	614	535	478	338	356	336	329	339	383
<b>70% Exceedance</b>	367	366	573	556	478	376	317	344	327	313	325	359
<b>80% Exceedance</b>	359	351	524	512	413	333	287	322	315	305	317	344
<b>90% Exceedance</b>	347	338	447	454	338	308	233	218	302	286	307	330
<b>Full Simulation Period Average<sup>a</sup></b>	502	495	635	656	556	498	391	375	346	354	399	470
<b>Wet Water Years (32%)</b>	347	341	526	510	413	359	271	285	323	320	310	333
<b>Above Normal Years (15%)</b>	370	387	637	662	553	437	332	341	337	326	328	369
<b>Below Normal Years (17%)</b>	623	581	630	688	536	497	386	377	339	334	430	603
<b>Dry Water Years (22%)</b>	606	622	692	730	659	604	479	444	339	368	478	552
<b>Critical Water Years (15%)</b>	669	643	788	817	736	702	586	495	419	461	511	590

**Table 6B1-17-2b. Jones Pumping Plant South Delta Exports, Alternative 1B 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	665	667	793	839	747	673	584	488	389	415	555	628
<b>20% Exceedance</b>	637	640	743	801	690	634	517	452	368	391	492	587
<b>30% Exceedance</b>	610	618	726	773	642	566	462	430	354	375	446	565
<b>40% Exceedance</b>	588	580	698	710	605	558	402	396	346	360	423	548
<b>50% Exceedance</b>	569	535	676	657	577	517	363	365	341	340	394	509
<b>60% Exceedance</b>	377	388	624	614	536	473	338	356	333	331	338	375
<b>70% Exceedance</b>	366	364	582	560	479	380	317	344	327	317	325	358
<b>80% Exceedance</b>	359	349	521	513	414	333	287	322	315	304	315	341
<b>90% Exceedance</b>	342	337	454	455	338	307	234	218	302	287	306	327
<b>Full Simulation Period Average<sup>a</sup></b>	498	495	639	655	556	496	391	373	345	356	402	469
<b>Wet Water Years (32%)</b>	344	341	526	512	413	359	271	285	323	320	309	330
<b>Above Normal Years (15%)</b>	368	382	635	665	554	437	332	341	337	326	327	365
<b>Below Normal Years (17%)</b>	615	584	647	689	536	497	386	378	339	334	428	595
<b>Dry Water Years (22%)</b>	603	631	700	721	658	605	478	439	337	374	494	555
<b>Critical Water Years (15%)</b>	669	635	787	814	735	687	584	493	418	460	513	596

**Table 6B1-17-2c. Jones Pumping Plant South Delta Exports, Alternative 1B 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	0	-10	4	-5	-3	3	3	-2	0	2	6	3
<b>20% Exceedance</b>	-1	10	-1	-1	-18	-8	0	-1	-1	2	9	-3
<b>30% Exceedance</b>	-6	7	6	-1	-1	-2	0	1	0	3	17	-6
<b>40% Exceedance</b>	-7	1	7	-17	0	0	0	0	0	0	4	3
<b>50% Exceedance</b>	-5	-8	11	7	0	-2	0	0	0	0	4	7
<b>60% Exceedance</b>	-2	2	5	1	1	-5	0	0	-3	2	-1	-9
<b>70% Exceedance</b>	-2	-3	8	4	1	5	0	0	0	4	0	-1
<b>80% Exceedance</b>	0	-1	-3	1	0	0	0	0	0	0	-2	-3
<b>90% Exceedance</b>	-4	0	6	1	1	-1	1	0	0	0	0	-3
<b>Full Simulation Period Average<sup>a</sup></b>	-3	1	4	-1	0	-2	0	-1	-1	1	3	-1
<b>Wet Water Years (32%)</b>	-2	0	0	2	0	0	0	0	0	0	-1	-3
<b>Above Normal Years (15%)</b>	-2	-5	-2	3	1	0	0	0	0	0	-1	-5
<b>Below Normal Years (17%)</b>	-8	4	17	1	0	0	0	0	0	0	-2	-8
<b>Dry Water Years (22%)</b>	-3	9	8	-9	0	1	0	-5	-2	7	16	3
<b>Critical Water Years (15%)</b>	0	-8	-1	-4	-1	-15	-1	-2	-1	-1	3	6

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-17-3a. Jones Pumping Plant South Delta Exports, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	665	677	788	845	750	670	580	490	389	413	549	625
20% Exceedance	639	630	744	801	708	642	517	453	370	389	483	590
30% Exceedance	616	611	719	775	642	569	462	429	354	373	430	571
40% Exceedance	595	579	690	727	604	558	402	396	346	360	419	544
50% Exceedance	574	542	665	649	577	520	363	365	341	340	390	502
60% Exceedance	379	386	619	614	535	478	338	356	336	329	339	383
70% Exceedance	367	366	573	556	478	376	317	344	327	313	325	359
80% Exceedance	359	351	524	512	413	333	287	322	315	305	317	344
90% Exceedance	347	338	447	454	338	308	233	218	302	286	307	330
<b>Full Simulation Period Average<sup>a</sup></b>	502	495	635	656	556	498	391	375	346	354	399	470
<b>Wet Water Years (32%)</b>	347	341	526	510	413	359	271	285	323	320	310	333
<b>Above Normal Years (15%)</b>	370	387	637	662	553	437	332	341	337	326	328	369
<b>Below Normal Years (17%)</b>	623	581	630	688	536	497	386	377	339	334	430	603
<b>Dry Water Years (22%)</b>	606	622	692	730	659	604	479	444	339	368	478	552
<b>Critical Water Years (15%)</b>	669	643	788	817	736	702	586	495	419	461	511	590

**Table 6B1-17-3b. Jones Pumping Plant South Delta Exports, Alternative 2 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	659	667	793	845	743	673	585	490	388	414	556	608
20% Exceedance	636	633	757	800	708	643	517	452	371	391	494	587
30% Exceedance	608	604	718	773	639	569	462	430	354	375	446	560
40% Exceedance	586	582	697	727	604	558	402	396	346	360	422	546
50% Exceedance	563	528	668	654	577	520	363	365	341	340	394	508
60% Exceedance	377	391	623	610	536	479	338	356	333	330	337	375
70% Exceedance	366	364	582	555	470	381	317	344	327	315	325	357
80% Exceedance	359	347	521	513	413	333	287	322	315	305	316	341
90% Exceedance	345	337	450	455	338	308	234	218	302	286	306	327
<b>Full Simulation Period Average<sup>a</sup></b>	496	492	638	655	556	498	391	374	345	355	402	467
<b>Wet Water Years (32%)</b>	344	341	525	512	413	359	271	285	323	320	309	330
<b>Above Normal Years (15%)</b>	368	381	635	665	554	437	332	341	337	326	327	364
<b>Below Normal Years (17%)</b>	611	584	647	679	535	497	386	378	338	333	429	593
<b>Dry Water Years (22%)</b>	601	621	696	730	659	605	477	443	338	373	493	555
<b>Critical Water Years (15%)</b>	660	629	788	813	736	701	586	495	418	459	512	586

**Table 6B1-17-3c. Jones Pumping Plant South Delta Exports, Alternative 2 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-5	-10	5	0	-7	3	4	0	0	1	8	-16
20% Exceedance	-2	2	13	-2	0	0	0	-1	1	2	11	-3
30% Exceedance	-8	-7	-2	-2	-3	0	0	0	0	3	17	-11
40% Exceedance	-10	3	7	0	0	0	0	0	0	0	3	2
50% Exceedance	-11	-14	3	5	0	0	0	0	0	0	4	6
60% Exceedance	-2	5	4	-4	2	0	0	0	-3	1	-2	-9
70% Exceedance	-2	-2	8	-1	-8	5	0	0	0	1	-1	-2
80% Exceedance	0	-3	-3	0	0	0	0	0	0	0	-1	-3
90% Exceedance	-2	-1	2	1	1	0	1	0	0	0	-1	-4
<b>Full Simulation Period Average<sup>a</sup></b>	-6	-3	3	-1	0	0	0	0	-1	1	3	-3
<b>Wet Water Years (32%)</b>	-2	-1	0	2	0	1	0	0	0	0	-1	-3
<b>Above Normal Years (15%)</b>	-2	-6	-2	3	1	0	0	0	0	0	-1	-6
<b>Below Normal Years (17%)</b>	-13	4	17	-9	-1	0	0	0	-1	0	-1	-10
<b>Dry Water Years (22%)</b>	-5	-1	4	-1	0	0	-1	-1	-1	6	15	3
<b>Critical Water Years (15%)</b>	-10	-13	0	-4	-1	-1	0	0	-1	-2	1	-4

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-17-4a. Jones Pumping Plant South Delta Exports, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	665	677	788	845	750	670	580	490	389	413	549	625
<b>20% Exceedance</b>	639	630	744	801	708	642	517	453	370	389	483	590
<b>30% Exceedance</b>	616	611	719	775	642	569	462	429	354	373	430	571
<b>40% Exceedance</b>	595	579	690	727	604	558	402	396	346	360	419	544
<b>50% Exceedance</b>	574	542	665	649	577	520	363	365	341	340	390	502
<b>60% Exceedance</b>	379	386	619	614	535	478	338	356	336	329	339	383
<b>70% Exceedance</b>	367	366	573	556	478	376	317	344	327	313	325	359
<b>80% Exceedance</b>	359	351	524	512	413	333	287	322	315	305	317	344
<b>90% Exceedance</b>	347	338	447	454	338	308	233	218	302	286	307	330
<b>Full Simulation Period Average<sup>a</sup></b>	502	495	635	656	556	498	391	375	346	354	399	470
<b>Wet Water Years (32%)</b>	347	341	526	510	413	359	271	285	323	320	310	333
<b>Above Normal Years (15%)</b>	370	387	637	662	553	437	332	341	337	326	328	369
<b>Below Normal Years (17%)</b>	623	581	630	688	536	497	386	377	339	334	430	603
<b>Dry Water Years (22%)</b>	606	622	692	730	659	604	479	444	339	368	478	552
<b>Critical Water Years (15%)</b>	669	643	788	817	736	702	586	495	419	461	511	590

**Table 6B1-17-4b. Jones Pumping Plant South Delta Exports, Alternative 3 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	665	663	798	850	746	674	580	488	389	417	555	627
<b>20% Exceedance</b>	625	638	739	820	709	637	518	452	368	391	490	586
<b>30% Exceedance</b>	610	594	720	779	645	567	461	429	353	375	448	568
<b>40% Exceedance</b>	588	569	693	728	607	558	403	396	347	359	422	549
<b>50% Exceedance</b>	562	534	660	656	577	517	363	365	340	340	394	514
<b>60% Exceedance</b>	377	382	623	609	535	465	338	356	332	331	338	374
<b>70% Exceedance</b>	366	359	572	555	468	382	317	344	327	316	325	358
<b>80% Exceedance</b>	358	348	510	512	414	333	287	322	315	302	315	340
<b>90% Exceedance</b>	344	336	448	454	340	307	238	219	302	286	305	327
<b>Full Simulation Period Average<sup>a</sup></b>	496	491	634	657	557	496	391	373	345	355	401	467
<b>Wet Water Years (32%)</b>	344	342	527	512	413	359	272	285	323	320	309	330
<b>Above Normal Years (15%)</b>	367	387	627	668	556	438	332	341	337	324	326	364
<b>Below Normal Years (17%)</b>	604	568	621	682	536	496	386	378	340	334	426	593
<b>Dry Water Years (22%)</b>	604	618	701	732	659	604	477	439	336	373	492	556
<b>Critical Water Years (15%)</b>	668	636	785	820	739	687	584	493	418	460	511	590

**Table 6B1-17-4c. Jones Pumping Plant South Delta Exports, Alternative 3 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	0	-14	10	6	-3	4	-1	-2	0	4	6	2
<b>20% Exceedance</b>	-13	8	-5	19	2	-5	1	-1	-1	2	7	-4
<b>30% Exceedance</b>	-6	-17	0	5	3	-2	-1	-1	0	3	18	-3
<b>40% Exceedance</b>	-8	-10	3	1	2	0	0	0	1	-1	3	5
<b>50% Exceedance</b>	-11	-8	-5	7	0	-3	0	0	-1	1	4	12
<b>60% Exceedance</b>	-3	-4	4	-4	1	-14	0	0	-4	2	-1	-9
<b>70% Exceedance</b>	-2	-7	-2	-1	-10	6	0	0	0	2	-1	0
<b>80% Exceedance</b>	-1	-3	-14	0	0	0	0	0	0	-3	-2	-4
<b>90% Exceedance</b>	-3	-1	1	0	2	-1	5	1	0	0	-1	-3
<b>Full Simulation Period Average<sup>a</sup></b>	-5	-4	-1	1	1	-2	0	-1	-1	1	2	-3
<b>Wet Water Years (32%)</b>	-3	1	1	2	0	1	0	0	0	0	-1	-3
<b>Above Normal Years (15%)</b>	-3	0	-10	6	3	1	0	0	0	-2	-2	-6
<b>Below Normal Years (17%)</b>	-19	-13	-9	-6	0	-1	0	0	1	1	-4	-10
<b>Dry Water Years (22%)</b>	-3	-5	10	2	0	0	-2	-5	-3	6	14	4
<b>Critical Water Years (15%)</b>	-2	-6	-3	3	3	-15	-2	-2	-2	-1	0	0

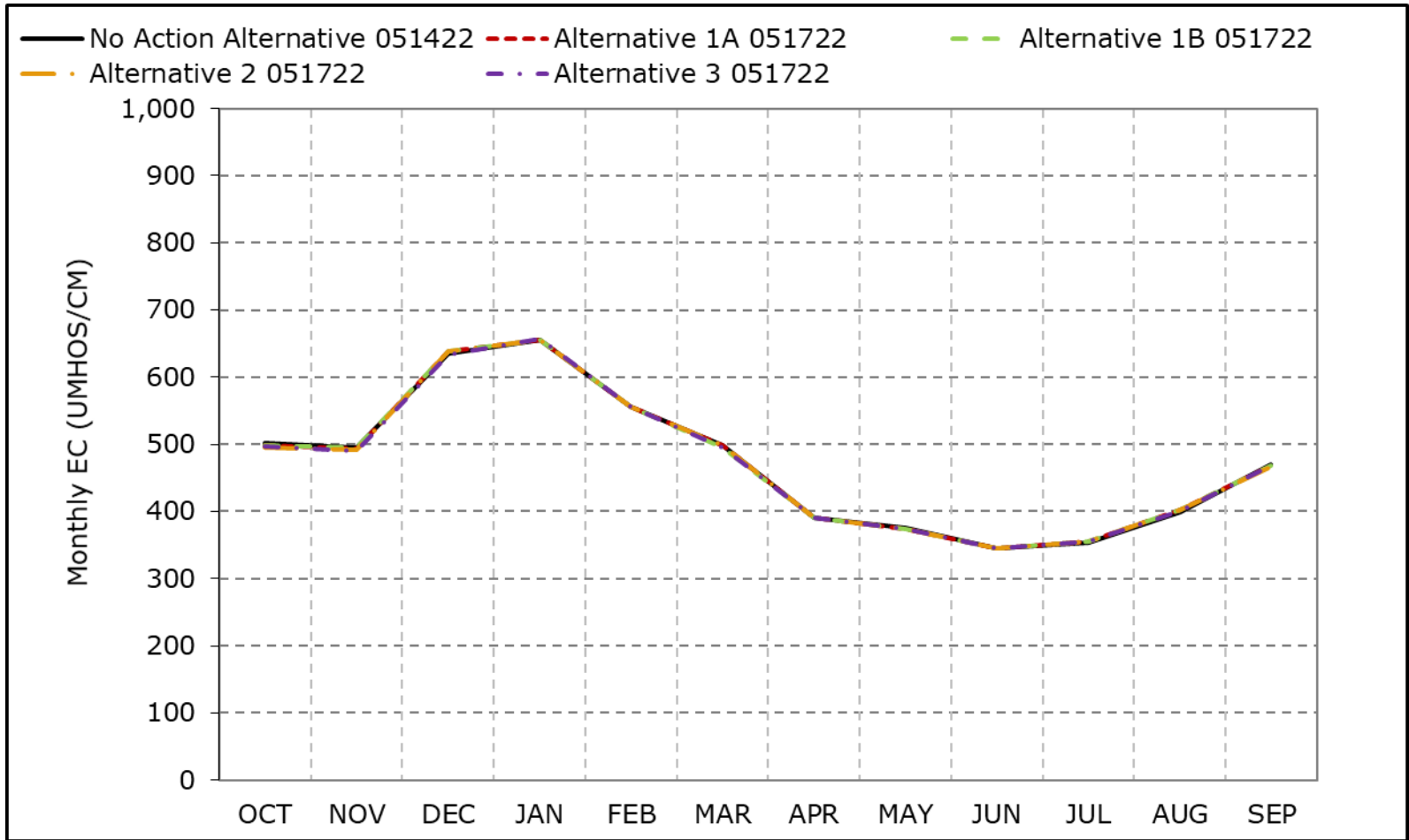
<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Figure 6B1-17-1. Jones Pumping Plant South Delta Exports, Long-Term Average EC**

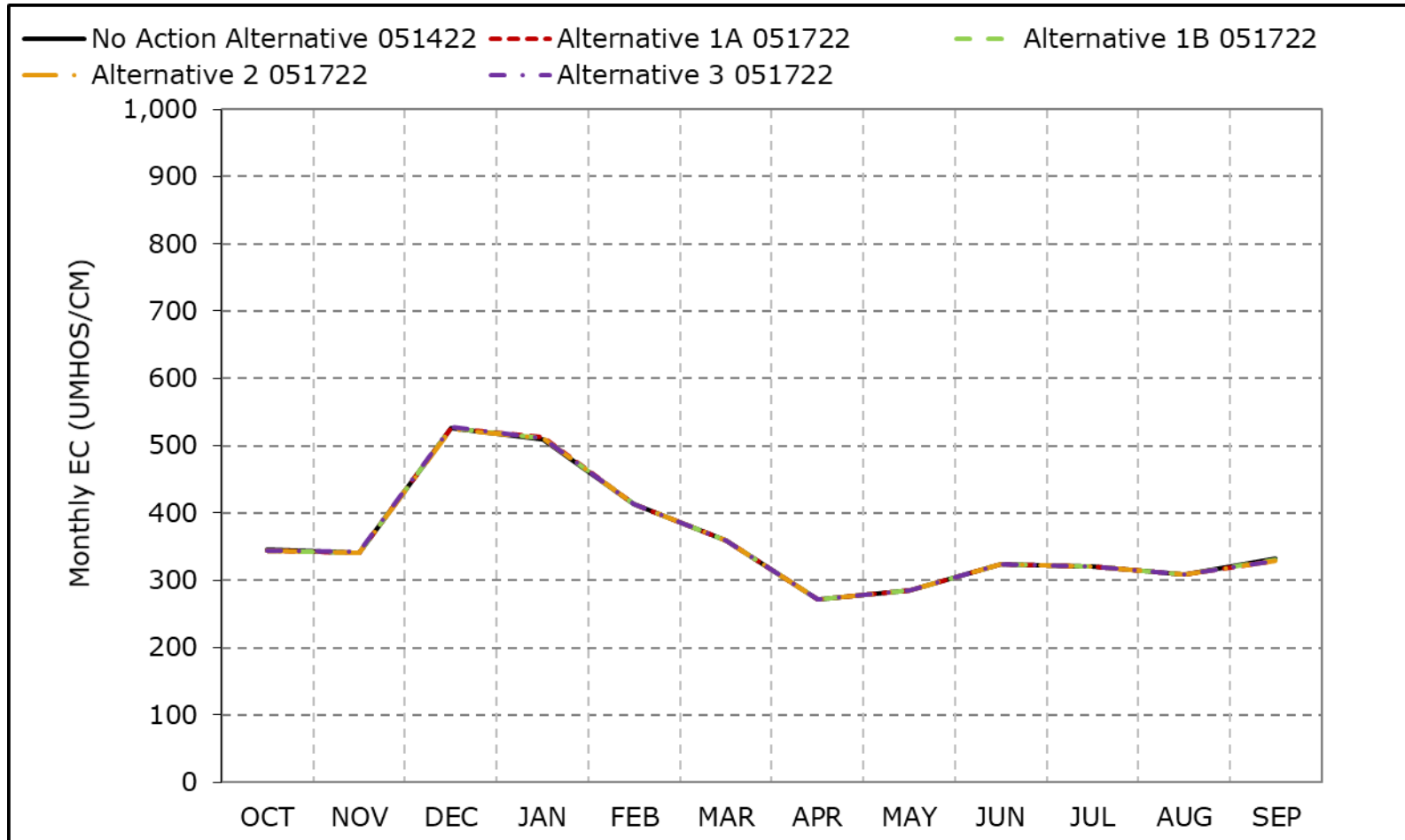


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-17-2. Jones Pumping Plant South Delta Exports, Wet Year Average EC**



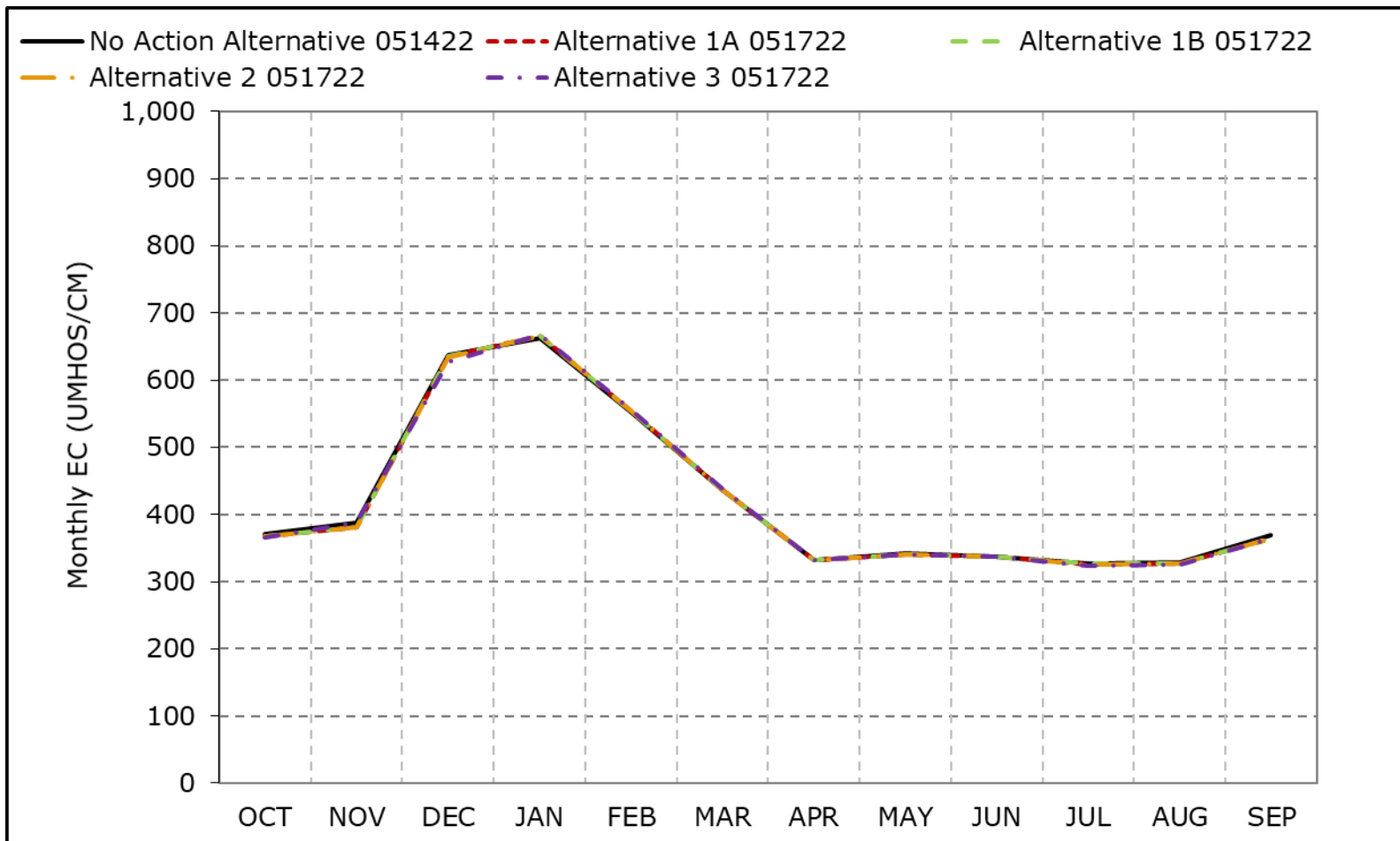
\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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



**Figure 6B1-17-3. Jones Pumping Plant South Delta Exports, Above Normal Year Average EC**

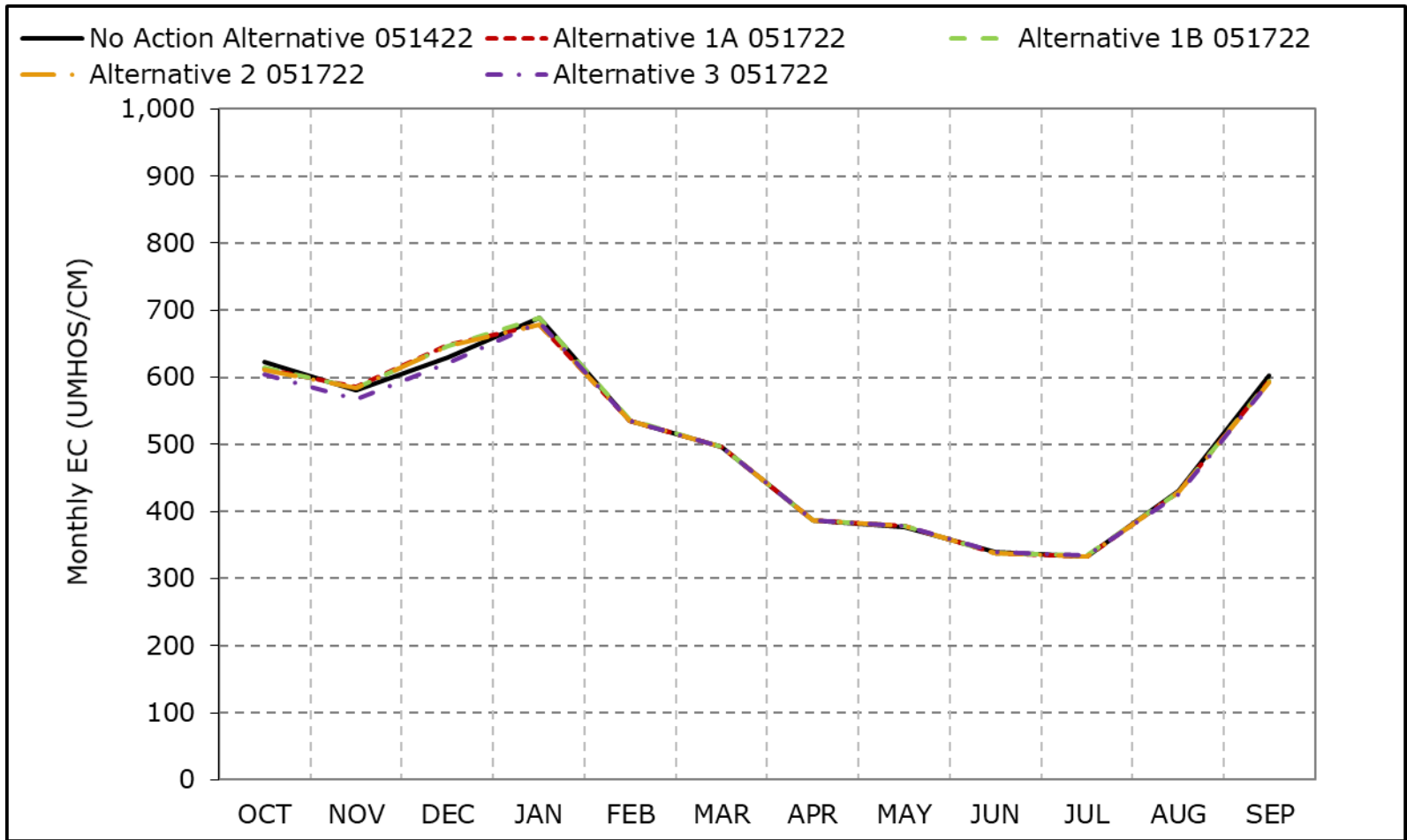


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-17-4. Jones Pumping Plant South Delta Exports, Below Normal Year Average EC**

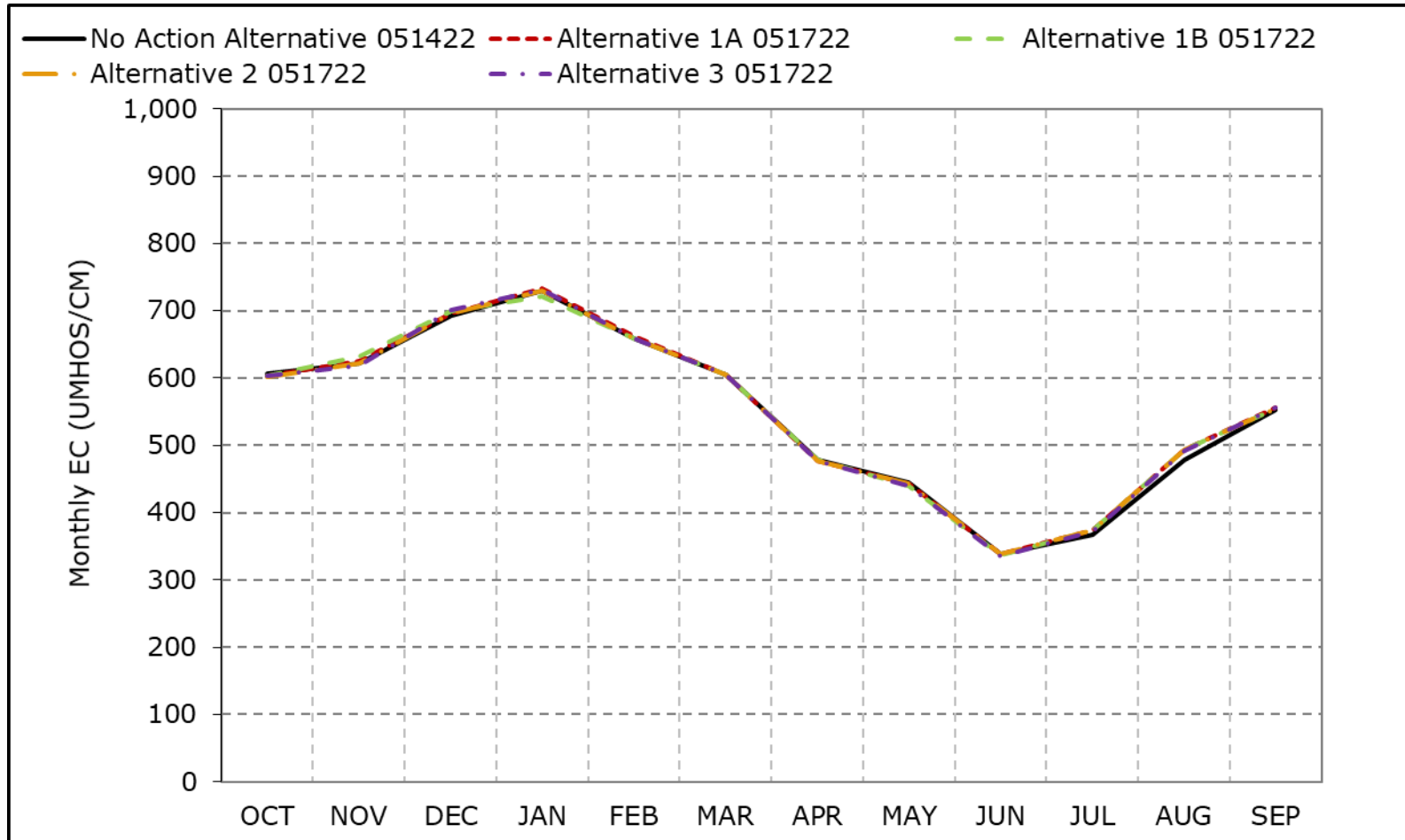


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-17-5. Jones Pumping Plant South Delta Exports, Dry Year Average EC**

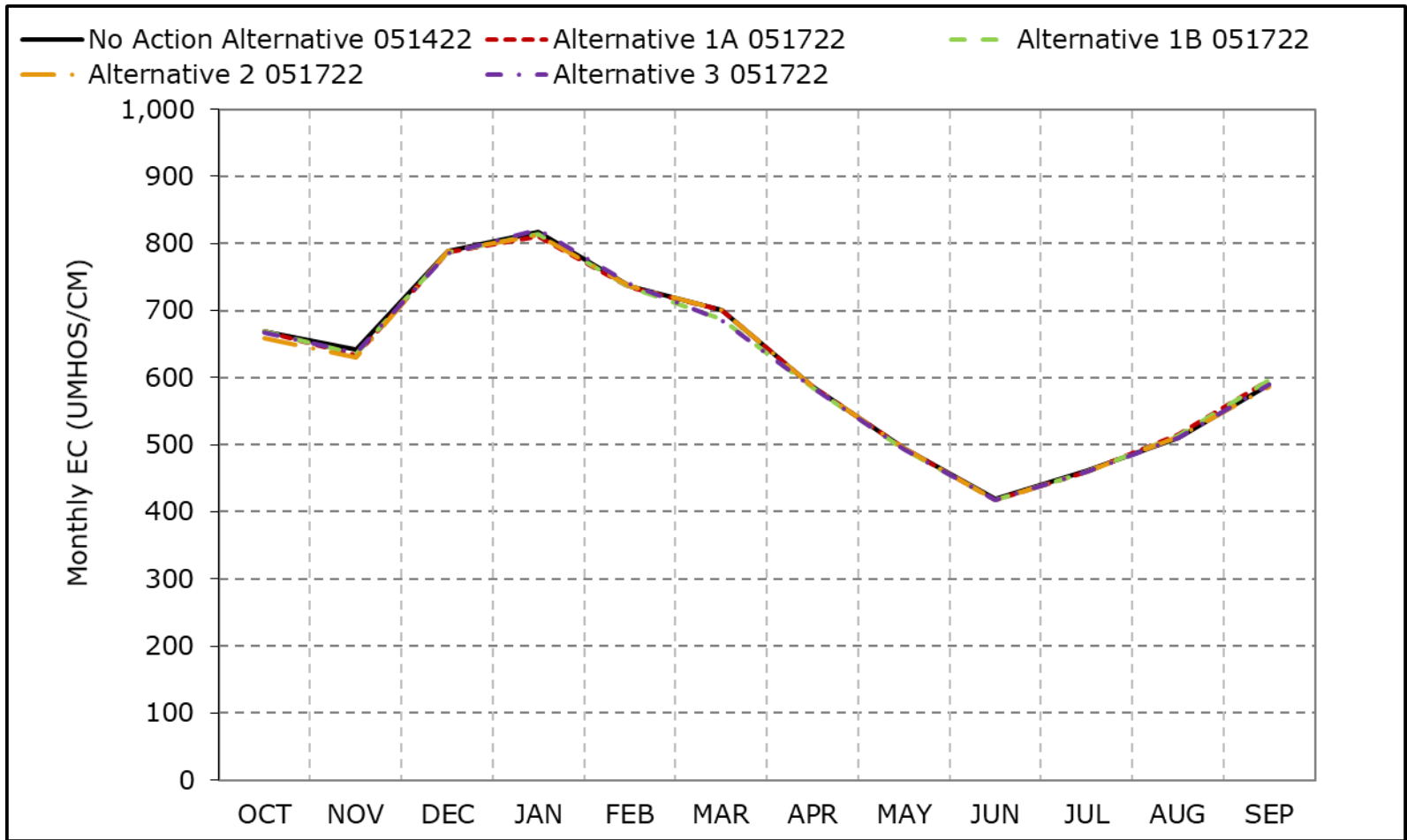


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

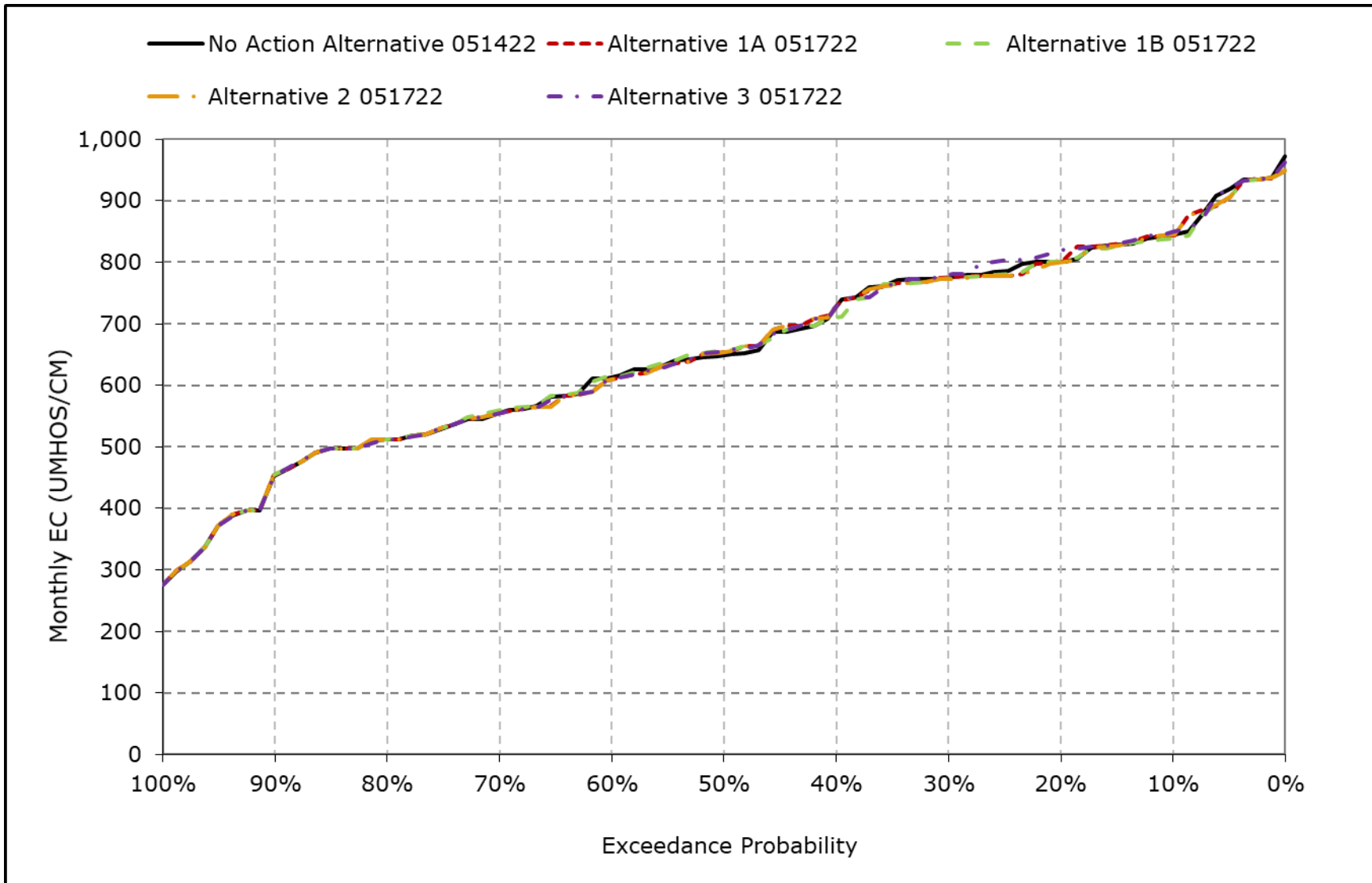
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-17-6. Jones Pumping Plant South Delta Exports, Critical Year Average EC**



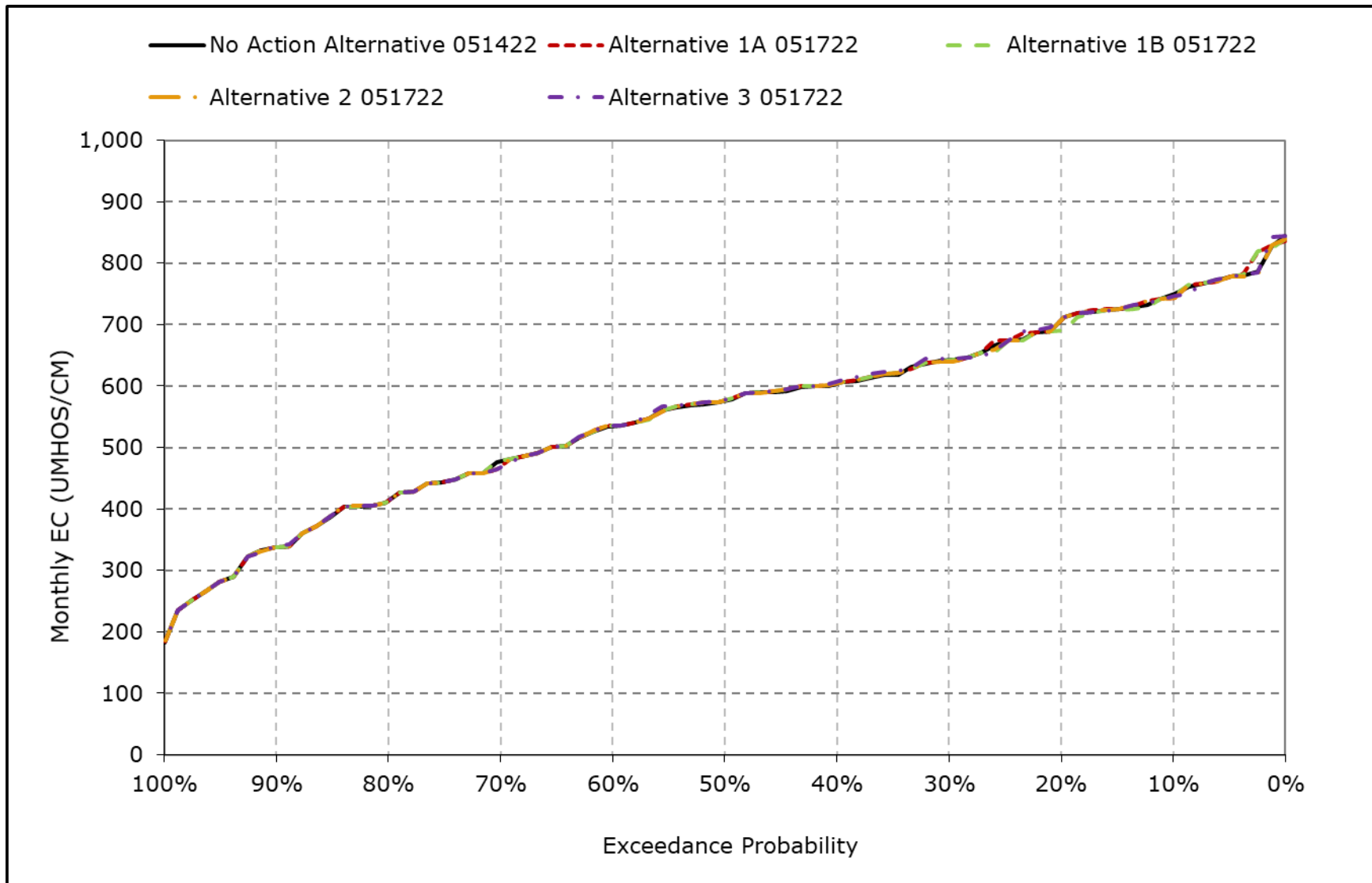
\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).  
\*These results are displayed with calendar year - year type sorting.  
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-17-7. Jones Pumping Plant South Delta Exports Salinity, January EC**



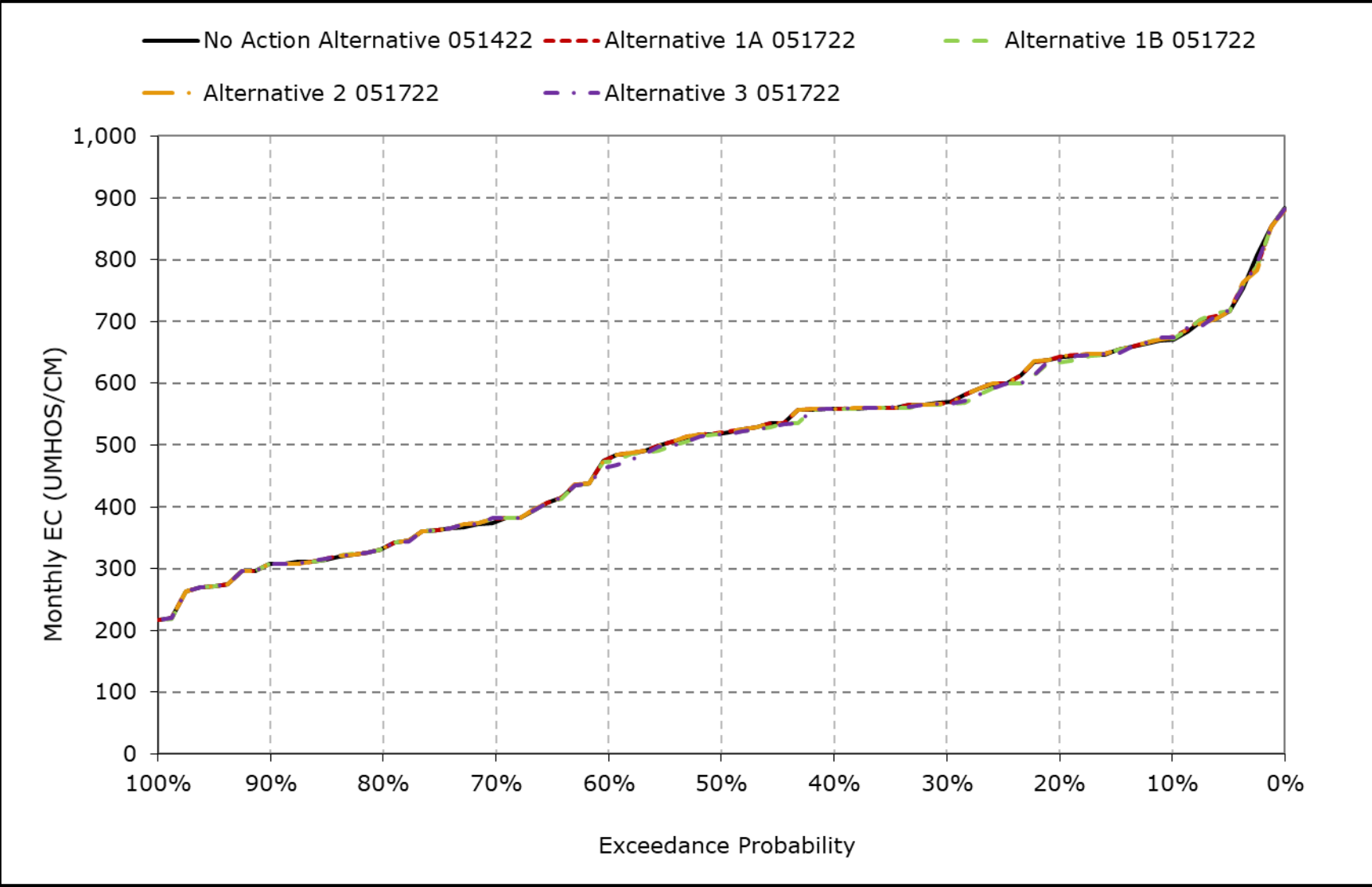
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-17-8. Jones Pumping Plant South Delta Exports Salinity, February EC**



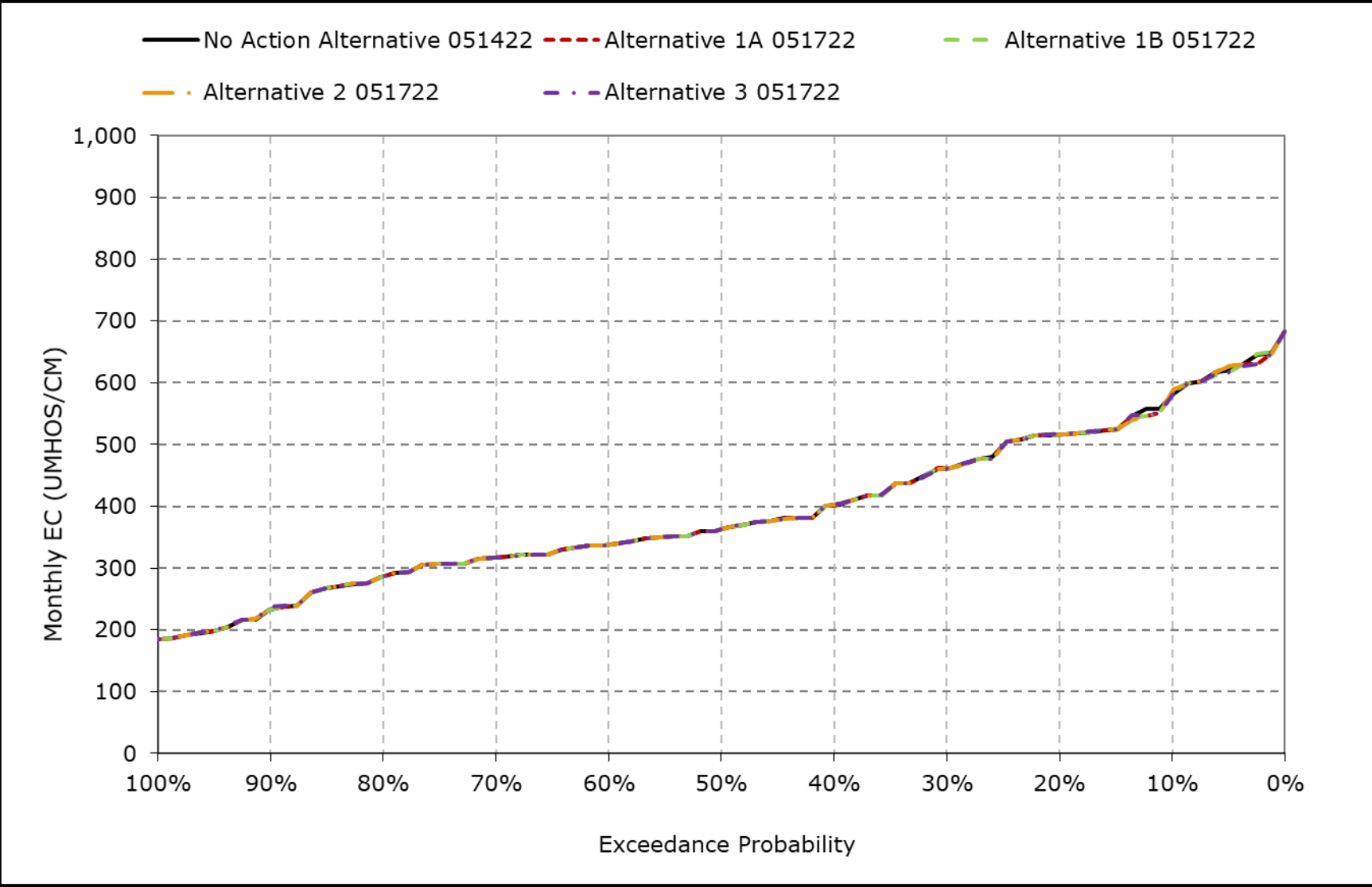
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-17-9. Jones Pumping Plant South Delta Exports Salinity, March EC**



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

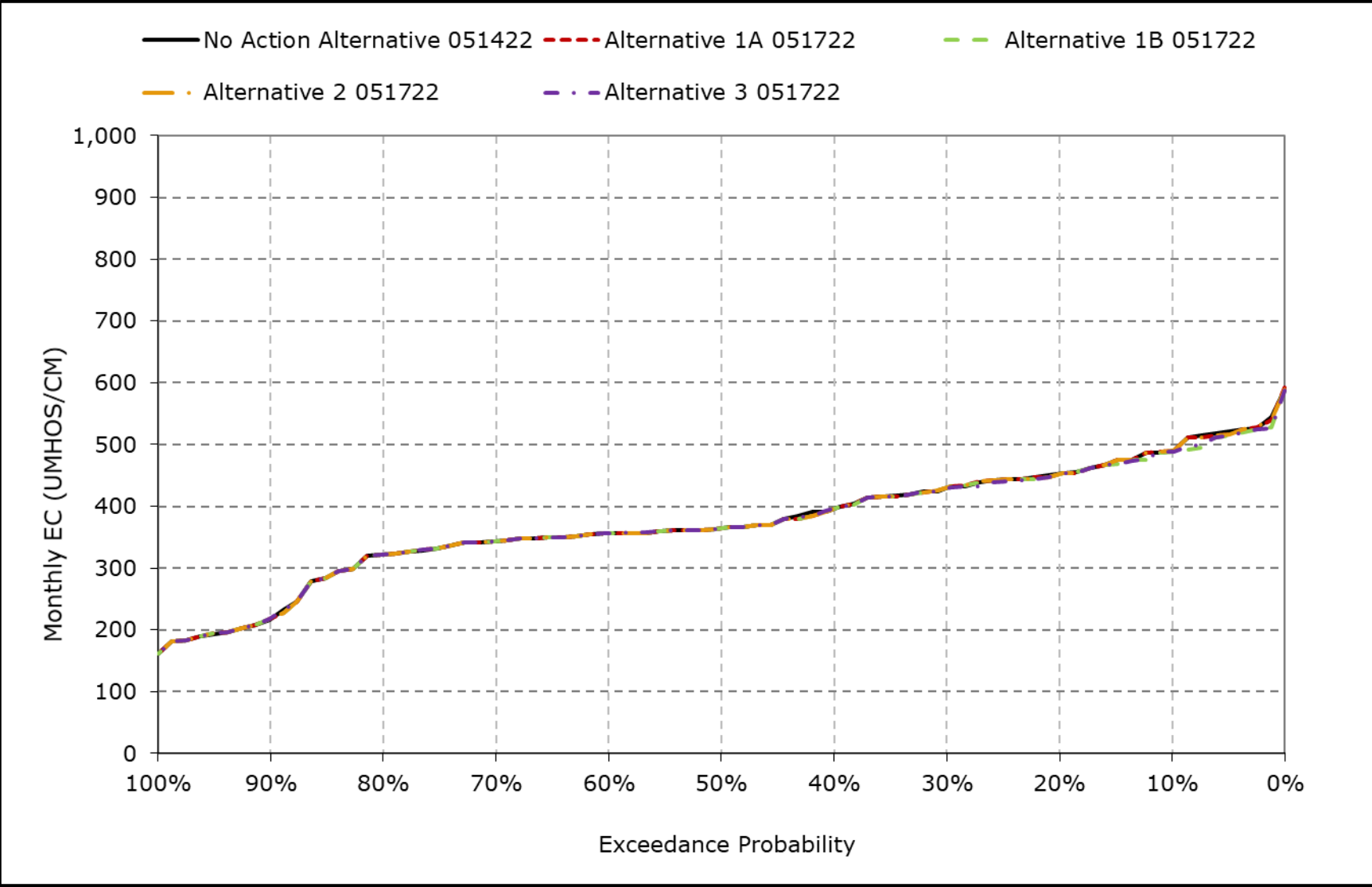
**Figure 6B1-17-10. Jones Pumping Plant South Delta Exports Salinity, April EC**



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

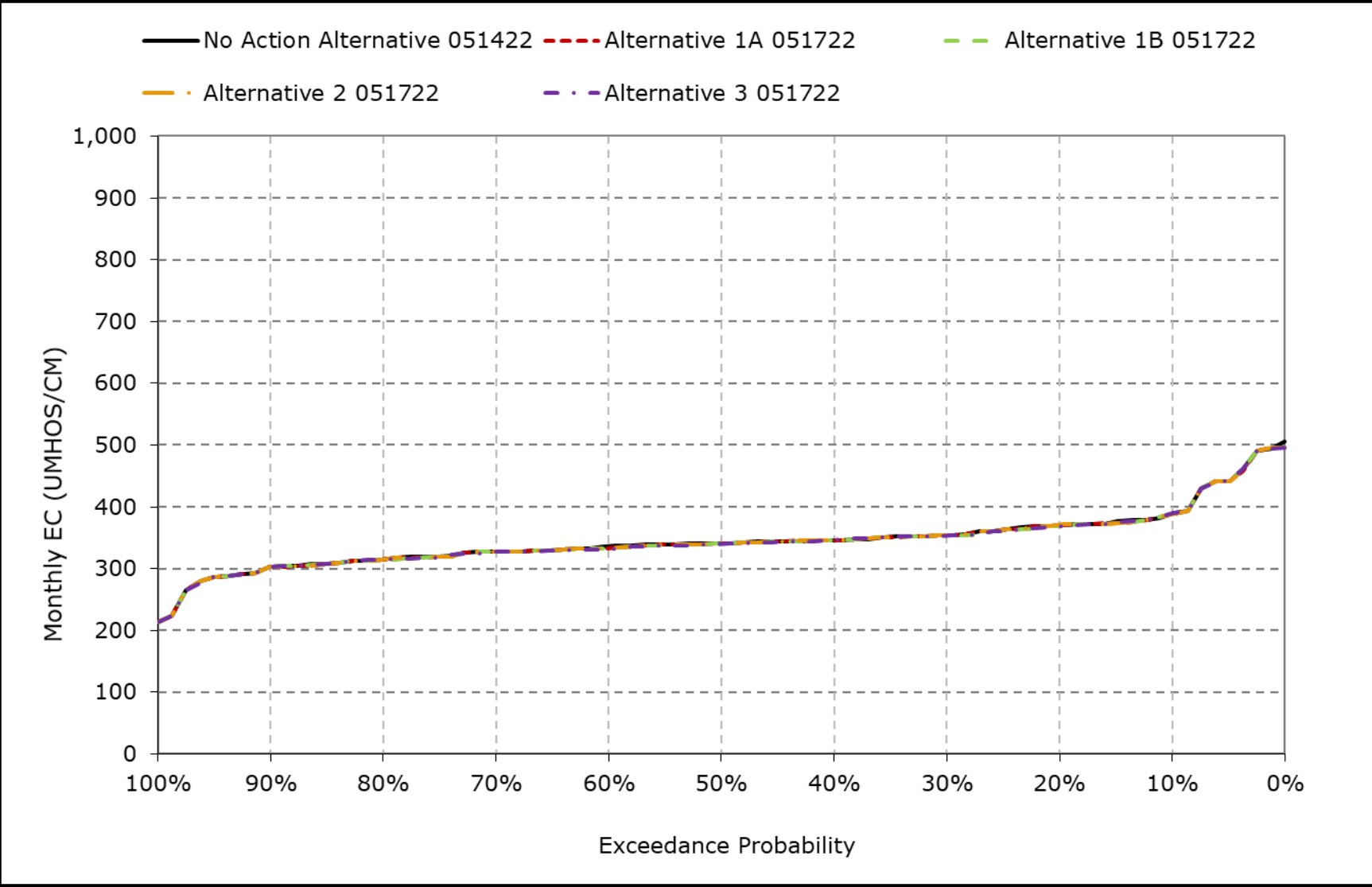


**Figure 6B1-17-11. Jones Pumping Plant South Delta Exports Salinity, May EC**



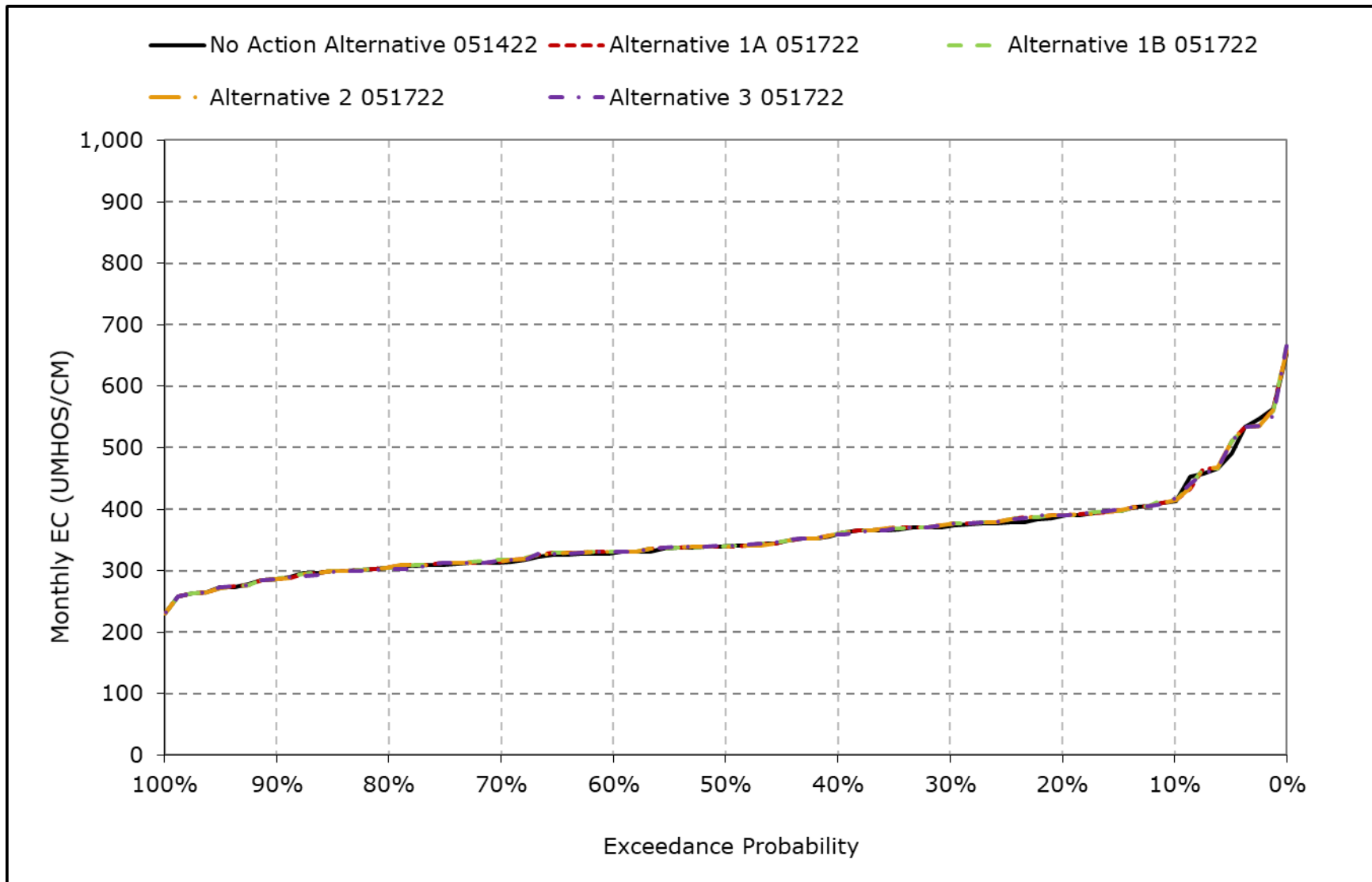
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-17-12. Jones Pumping Plant South Delta Exports Salinity, June EC**



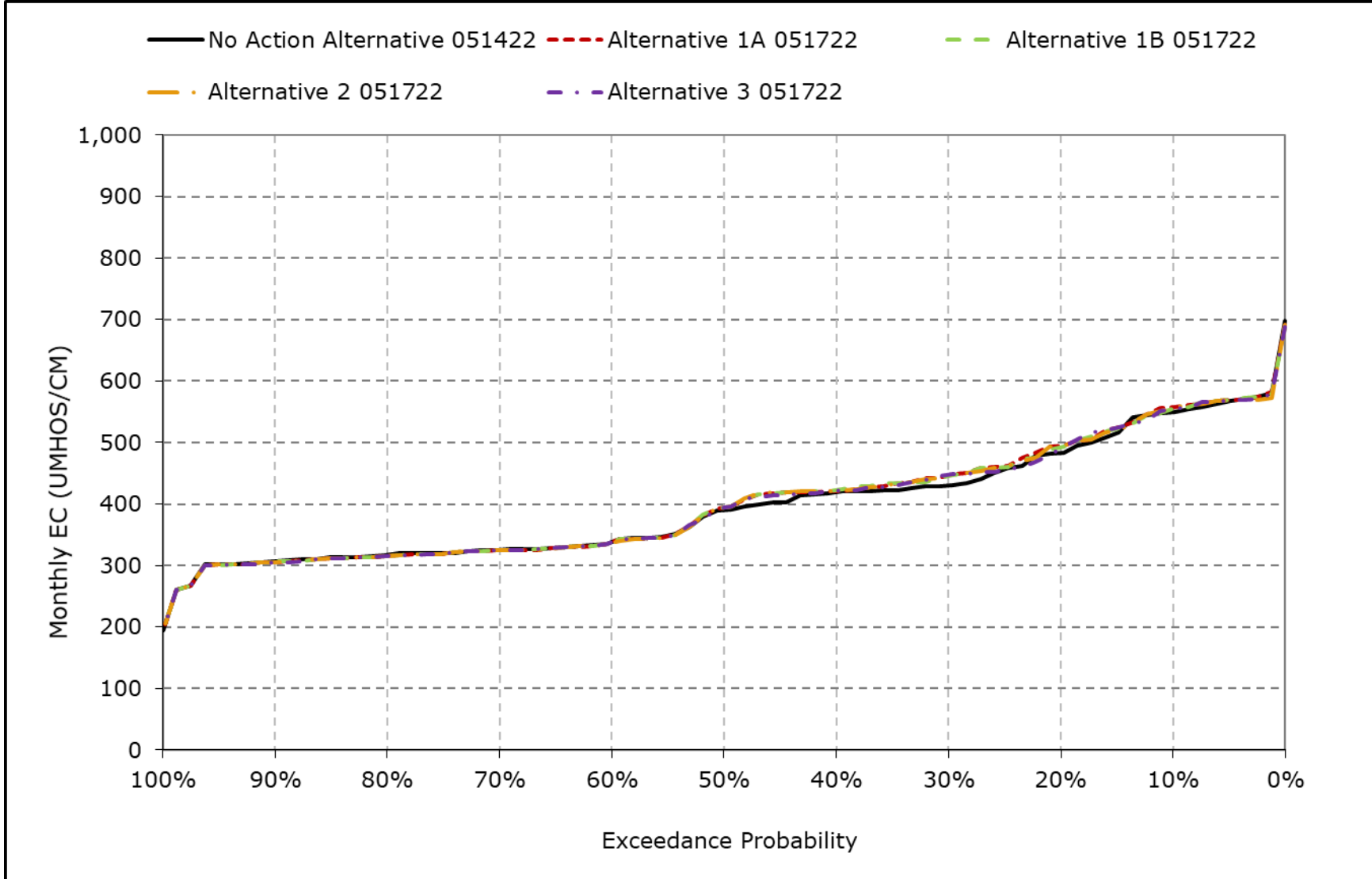
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-17-13. Jones Pumping Plant South Delta Exports Salinity, July EC**



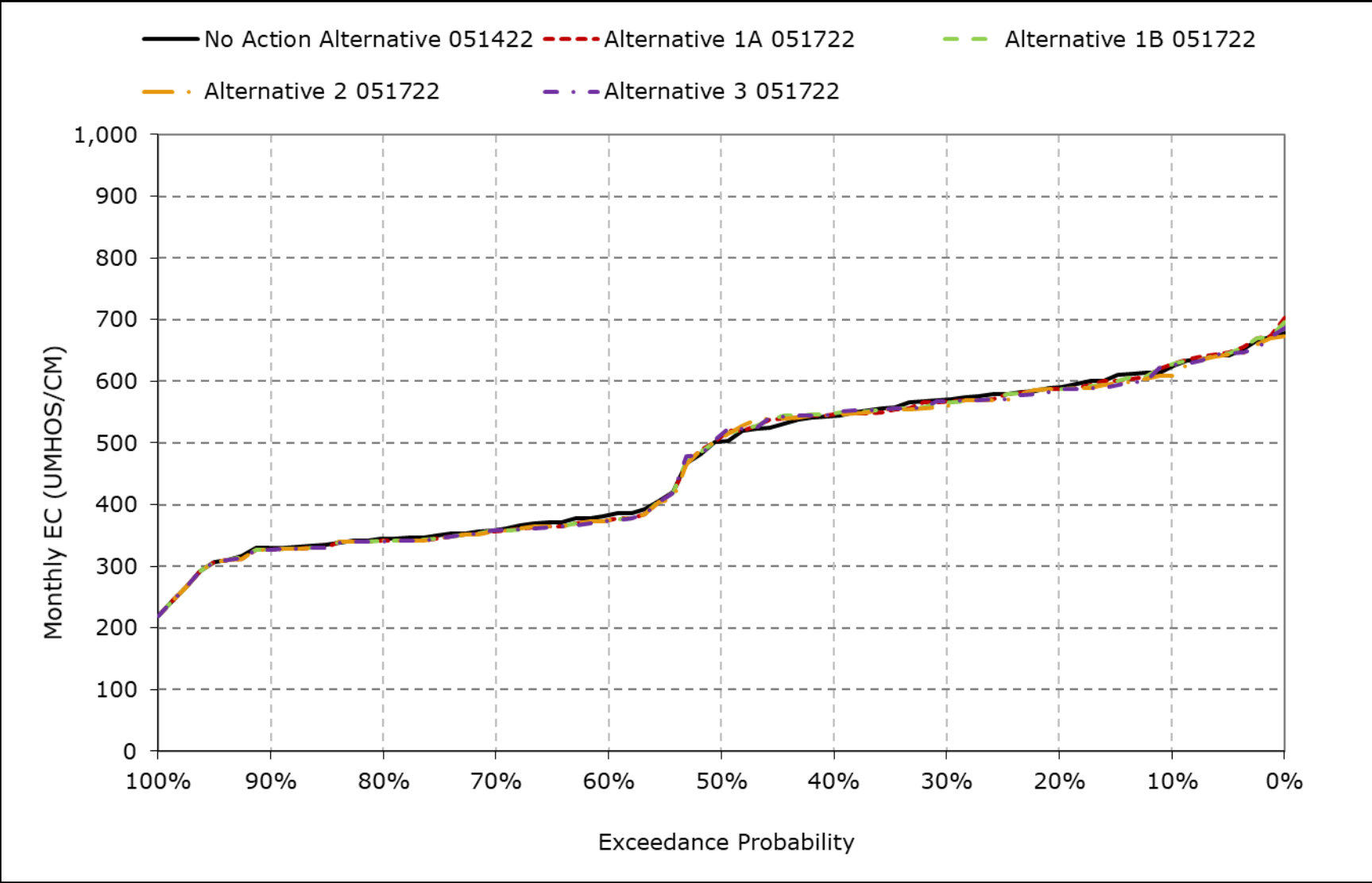
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-17-14. Jones Pumping Plant South Delta Exports Salinity, August EC**



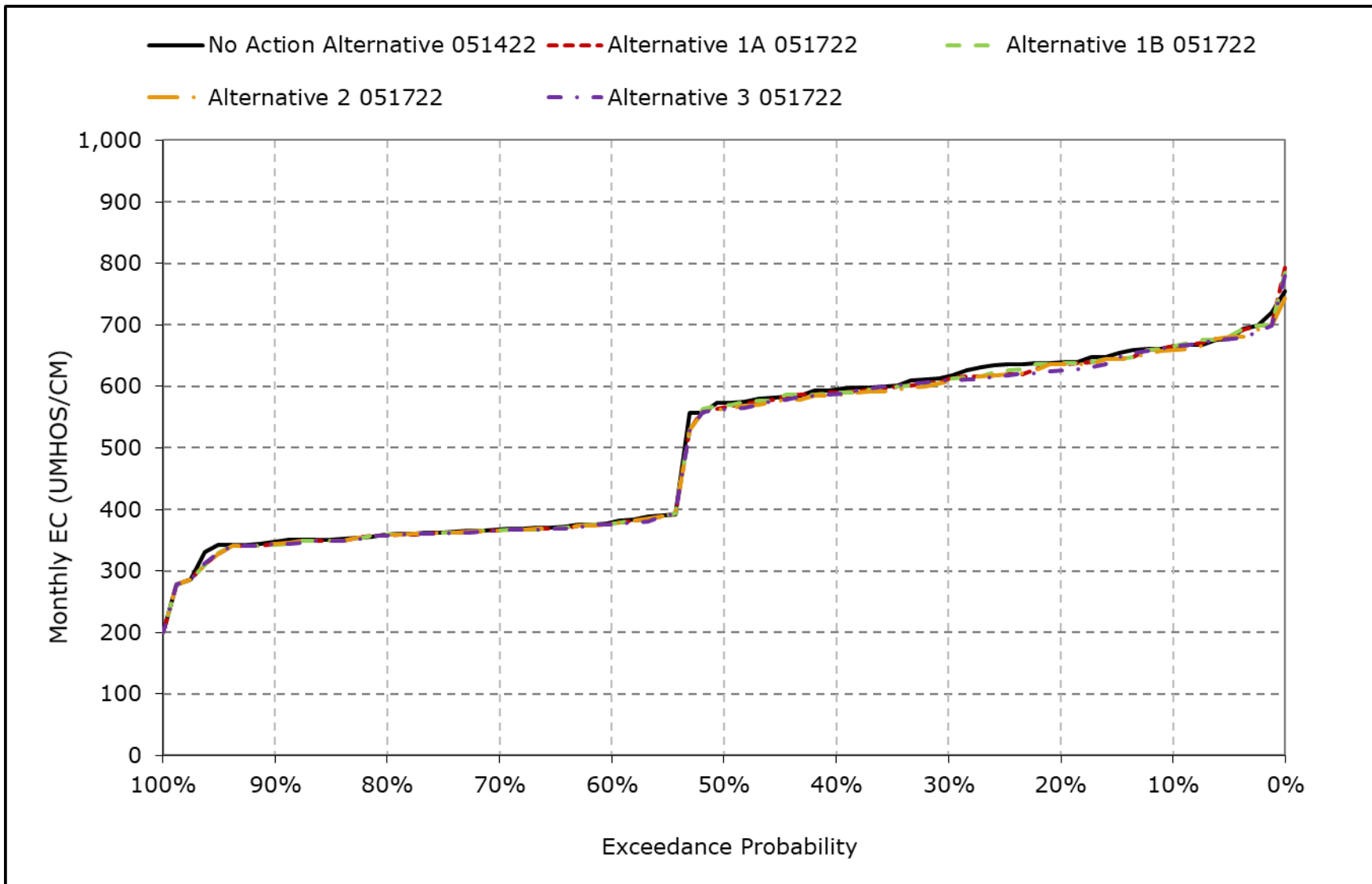
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-17-15. Jones Pumping Plant South Delta Exports Salinity, September EC**



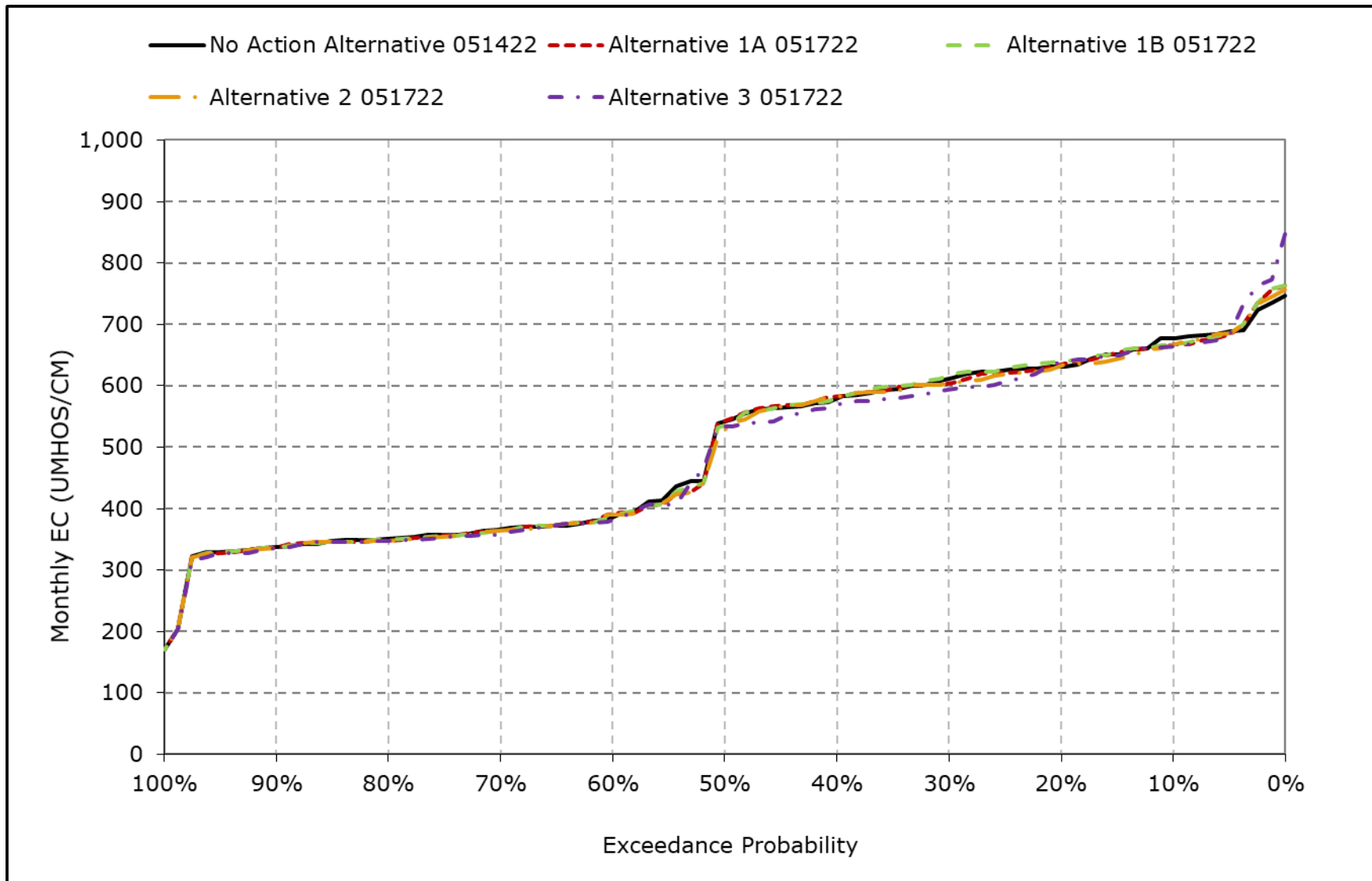
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-17-16. Jones Pumping Plant South Delta Exports Salinity, October EC**



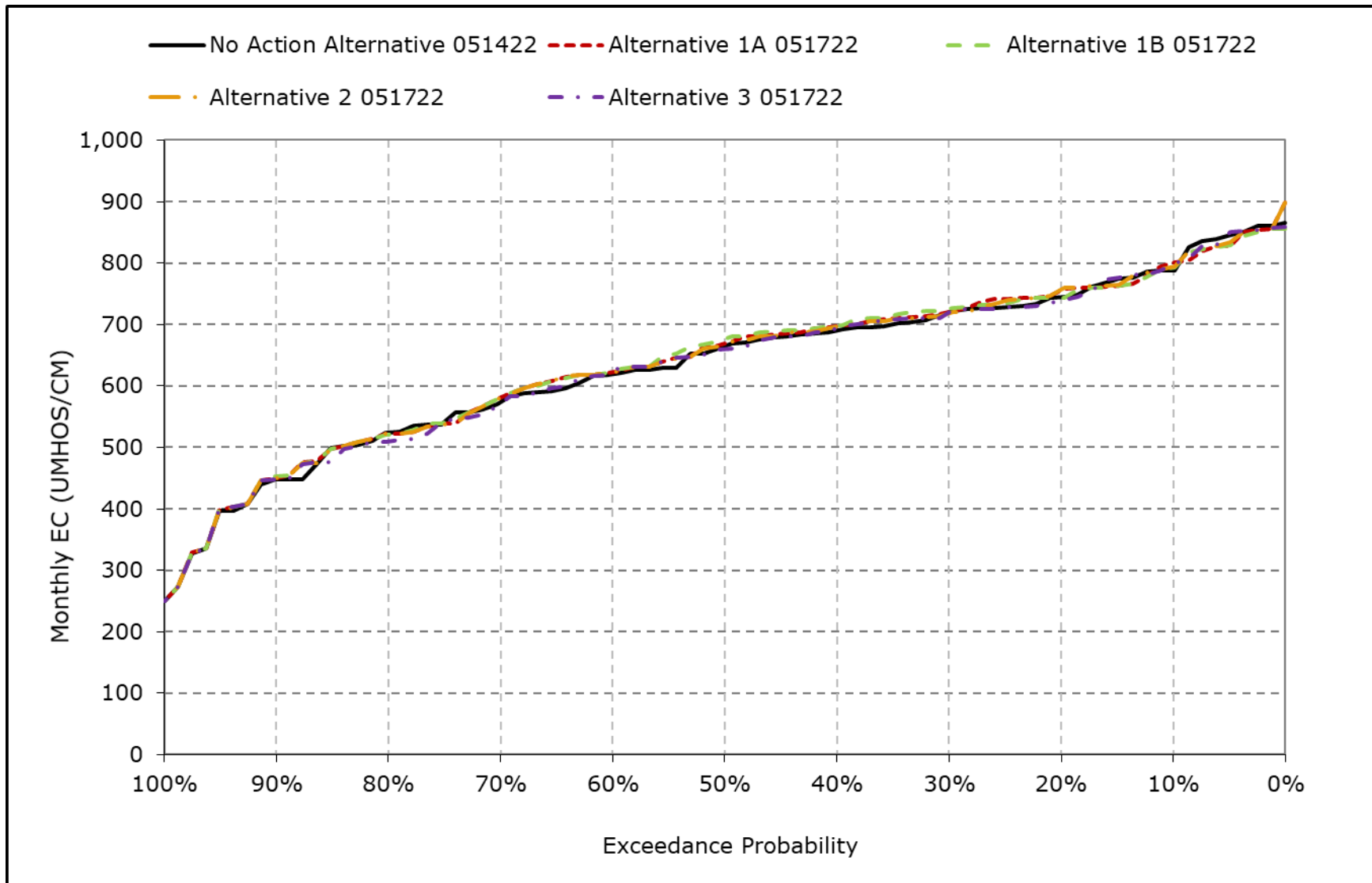
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-17-17. Jones Pumping Plant South Delta Exports Salinity, November EC**



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

**Figure 6B1-17-18. Jones Pumping Plant South Delta Exports Salinity, December EC**



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



**Table 6B1-18-1a. Old River at Highway 4, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

<b>Statistic</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>10% Exceedance</b>	798	746	806	914	599	491	453	375	353	444	595	726
<b>20% Exceedance</b>	759	684	756	842	541	421	418	356	312	357	509	675
<b>30% Exceedance</b>	720	642	716	771	500	396	390	338	296	329	445	650
<b>40% Exceedance</b>	697	602	686	671	469	384	376	333	287	313	427	588
<b>50% Exceedance</b>	663	532	651	575	436	365	365	325	283	294	383	548
<b>60% Exceedance</b>	272	337	609	471	398	349	351	316	278	275	311	355
<b>70% Exceedance</b>	259	305	534	435	370	335	342	305	272	264	288	318
<b>80% Exceedance</b>	253	296	383	389	348	324	328	293	262	258	273	288
<b>90% Exceedance</b>	239	264	331	351	325	301	301	253	256	252	256	241
<b>Full Simulation Period Average<sup>a</sup></b>	513	496	605	606	447	375	366	321	296	323	393	489
<b>Wet Water Years (32%)</b>	247	288	488	436	391	349	318	274	267	264	271	282
<b>Above Normal Years (15%)</b>	264	337	612	601	448	376	349	310	276	264	292	322
<b>Below Normal Years (17%)</b>	757	639	606	670	425	367	391	333	280	301	444	713
<b>Dry Water Years (22%)</b>	706	666	658	685	471	385	399	353	294	364	499	617
<b>Critical Water Years (15%)</b>	767	682	774	785	555	426	406	372	400	475	543	650

**Table 6B1-18-1b. Old River at Highway 4, Alternative 1A 051722, Monthly EC (UMHOS/CM)**

<b>Statistic</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>10% Exceedance</b>	774	740	799	917	600	488	453	377	354	444	608	723
<b>20% Exceedance</b>	754	688	766	841	542	423	423	358	312	362	516	670
<b>30% Exceedance</b>	704	644	719	776	502	395	394	338	295	332	471	650
<b>40% Exceedance</b>	683	608	690	671	471	382	376	332	288	317	435	605
<b>50% Exceedance</b>	660	542	657	571	433	365	368	325	282	296	396	555
<b>60% Exceedance</b>	269	342	608	467	397	349	355	317	277	275	308	343
<b>70% Exceedance</b>	256	302	541	435	370	336	343	306	272	264	285	311
<b>80% Exceedance</b>	248	290	420	389	347	324	329	293	262	258	271	280
<b>90% Exceedance</b>	238	266	330	351	327	301	301	257	256	252	256	240
<b>Full Simulation Period Average<sup>a</sup></b>	507	496	611	606	447	375	368	322	296	325	398	486
<b>Wet Water Years (32%)</b>	245	288	488	440	391	347	319	273	267	264	270	276
<b>Above Normal Years (15%)</b>	260	329	610	608	449	377	363	317	277	264	290	314
<b>Below Normal Years (17%)</b>	734	650	638	652	421	367	391	333	280	301	442	698
<b>Dry Water Years (22%)</b>	699	672	661	691	476	387	399	352	294	373	519	621
<b>Critical Water Years (15%)</b>	766	669	774	779	554	427	406	372	397	474	550	665

**Table 6B1-18-1c. Old River at Highway 4, Alternative 1A 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

<b>Statistic</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>10% Exceedance</b>	-25	-6	-7	3	0	-3	1	3	1	-1	13	-3
<b>20% Exceedance</b>	-5	4	10	-2	1	2	5	2	-1	5	7	-5
<b>30% Exceedance</b>	-15	2	2	5	2	0	4	0	-1	3	26	0
<b>40% Exceedance</b>	-13	5	4	0	2	-2	0	0	1	3	8	17
<b>50% Exceedance</b>	-3	10	6	-4	-2	0	3	0	0	2	14	7
<b>60% Exceedance</b>	-3	4	0	-4	0	0	5	1	0	0	-3	-13
<b>70% Exceedance</b>	-3	-3	7	0	0	0	1	1	0	0	-3	-7
<b>80% Exceedance</b>	-4	-6	37	0	-1	0	1	0	0	0	-1	-8
<b>90% Exceedance</b>	-1	2	0	1	2	1	0	4	0	0	-1	-2
<b>Full Simulation Period Average<sup>a</sup></b>	-7	0	6	0	1	0	2	1	0	2	4	-3
<b>Wet Water Years (32%)</b>	-2	0	0	4	0	-2	1	0	0	0	-1	-6
<b>Above Normal Years (15%)</b>	-3	-8	-1	7	1	0	13	7	1	0	-2	-8
<b>Below Normal Years (17%)</b>	-22	11	32	-17	-4	0	0	0	0	0	-2	-15
<b>Dry Water Years (22%)</b>	-7	6	3	7	5	2	1	0	0	9	20	4
<b>Critical Water Years (15%)</b>	-1	-13	0	-6	-1	0	0	0	-2	0	7	15

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-18-2a. Old River at Highway 4, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	798	746	806	914	599	491	453	375	353	444	595	726
<b>20% Exceedance</b>	759	684	756	842	541	421	418	356	312	357	509	675
<b>30% Exceedance</b>	720	642	716	771	500	396	390	338	296	329	445	650
<b>40% Exceedance</b>	697	602	686	671	469	384	376	333	287	313	427	588
<b>50% Exceedance</b>	663	532	651	575	436	365	365	325	283	294	383	548
<b>60% Exceedance</b>	272	337	609	471	398	349	351	316	278	275	311	355
<b>70% Exceedance</b>	259	305	534	435	370	335	342	305	272	264	288	318
<b>80% Exceedance</b>	253	296	383	389	348	324	328	293	262	258	273	288
<b>90% Exceedance</b>	239	264	331	351	325	301	301	253	256	252	256	241
<b>Full Simulation Period Average<sup>a</sup></b>	513	496	605	606	447	375	366	321	296	323	393	489
<b>Wet Water Years (32%)</b>	247	288	488	436	391	349	318	274	267	264	271	282
<b>Above Normal Years (15%)</b>	264	337	612	601	448	376	349	310	276	264	292	322
<b>Below Normal Years (17%)</b>	757	639	606	670	425	367	391	333	280	301	444	713
<b>Dry Water Years (22%)</b>	706	666	658	685	471	385	399	353	294	364	499	617
<b>Critical Water Years (15%)</b>	767	682	774	785	555	426	406	372	400	475	543	650

**Table 6B1-18-2b. Old River at Highway 4, Alternative 1B 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	775	742	815	916	607	488	455	378	354	450	600	724
<b>20% Exceedance</b>	756	694	767	840	542	423	423	353	311	362	510	669
<b>30% Exceedance</b>	709	663	715	775	499	395	396	338	296	332	468	645
<b>40% Exceedance</b>	683	617	698	654	467	383	376	332	289	316	437	610
<b>50% Exceedance</b>	659	537	664	565	434	365	367	325	282	296	398	556
<b>60% Exceedance</b>	269	339	610	479	399	349	351	317	277	276	308	342
<b>70% Exceedance</b>	256	303	553	435	370	333	344	306	272	264	286	312
<b>80% Exceedance</b>	249	290	419	389	347	323	329	293	262	258	271	280
<b>90% Exceedance</b>	237	266	330	351	327	301	301	257	256	252	256	240
<b>Full Simulation Period Average<sup>a</sup></b>	508	500	613	606	447	374	368	321	296	325	397	486
<b>Wet Water Years (32%)</b>	245	288	488	441	391	347	319	274	267	264	270	277
<b>Above Normal Years (15%)</b>	260	330	609	607	448	376	363	317	278	264	290	314
<b>Below Normal Years (17%)</b>	738	654	639	672	426	368	391	333	280	302	442	700
<b>Dry Water Years (22%)</b>	699	686	667	672	469	386	399	349	293	373	518	620
<b>Critical Water Years (15%)</b>	767	671	775	784	556	423	402	371	398	474	547	663

**Table 6B1-18-2c. Old River at Highway 4, Alternative 1B 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

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

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-18-3a. Old River at Highway 4, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	798	746	806	914	599	491	453	375	353	444	595	726
20% Exceedance	759	684	756	842	541	421	418	356	312	357	509	675
30% Exceedance	720	642	716	771	500	396	390	338	296	329	445	650
40% Exceedance	697	602	686	671	469	384	376	333	287	313	427	588
50% Exceedance	663	532	651	575	436	365	365	325	283	294	383	548
60% Exceedance	272	337	609	471	398	349	351	316	278	275	311	355
70% Exceedance	259	305	534	435	370	335	342	305	272	264	288	318
80% Exceedance	253	296	383	389	348	324	328	293	262	258	273	288
90% Exceedance	239	264	331	351	325	301	301	253	256	252	256	241
<b>Full Simulation Period Average<sup>a</sup></b>	513	496	605	606	447	375	366	321	296	323	393	489
Wet Water Years (32%)	247	288	488	436	391	349	318	274	267	264	271	282
Above Normal Years (15%)	264	337	612	601	448	376	349	310	276	264	292	322
Below Normal Years (17%)	757	639	606	670	425	367	391	333	280	301	444	713
Dry Water Years (22%)	706	666	658	685	471	385	399	353	294	364	499	617
Critical Water Years (15%)	767	682	774	785	555	426	406	372	400	475	543	650

**Table 6B1-18-3b. Old River at Highway 4, Alternative 2 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	774	749	797	917	600	489	453	377	354	444	602	729
20% Exceedance	741	681	763	839	545	423	423	358	312	362	511	670
30% Exceedance	709	634	717	770	501	395	394	338	295	332	471	640
40% Exceedance	681	603	689	669	471	382	376	332	288	316	435	602
50% Exceedance	638	526	652	568	433	365	368	325	282	296	397	560
60% Exceedance	269	342	608	466	397	349	355	317	277	275	308	343
70% Exceedance	256	299	542	434	370	335	343	306	272	264	285	311
80% Exceedance	248	290	419	389	347	324	329	293	262	258	271	280
90% Exceedance	238	266	330	351	326	301	301	257	256	252	256	239
<b>Full Simulation Period Average<sup>a</sup></b>	503	493	611	604	447	375	368	322	296	325	397	483
Wet Water Years (32%)	245	287	487	439	391	347	319	273	267	264	270	276
Above Normal Years (15%)	260	329	609	608	449	377	363	317	277	264	290	312
Below Normal Years (17%)	732	647	637	652	422	367	391	333	280	302	443	697
Dry Water Years (22%)	695	667	661	685	473	386	399	352	294	373	518	620
Critical Water Years (15%)	752	664	774	780	555	426	405	372	398	474	545	648

**Table 6B1-18-3c. Old River at Highway 4, Alternative 2 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-25	3	-9	3	0	-2	1	3	1	-1	8	3
20% Exceedance	-18	-3	7	-3	3	2	5	2	-1	6	3	-6
30% Exceedance	-11	-8	1	0	1	0	4	0	-1	3	26	-10
40% Exceedance	-15	1	3	-3	2	-2	0	-1	1	3	8	14
50% Exceedance	-26	-6	2	-6	-2	0	2	0	0	2	14	12
60% Exceedance	-3	4	0	-4	0	0	5	1	0	0	-3	-13
70% Exceedance	-3	-7	8	-1	0	0	1	1	0	0	-3	-7
80% Exceedance	-4	-6	36	0	-1	0	1	0	0	0	-1	-8
90% Exceedance	-2	2	0	1	1	1	0	4	0	0	-1	-2
<b>Full Simulation Period Average<sup>a</sup></b>	-10	-2	5	-2	0	0	2	1	0	2	4	-6
Wet Water Years (32%)	-2	-1	0	4	0	-2	1	0	0	0	-1	-6
Above Normal Years (15%)	-4	-8	-3	6	1	1	13	7	1	0	-2	-9
Below Normal Years (17%)	-25	8	31	-18	-4	0	0	0	0	0	-1	-17
Dry Water Years (22%)	-11	1	3	0	2	1	0	-1	0	9	20	4
Critical Water Years (15%)	-15	-18	0	-5	0	0	0	0	-2	-1	2	-3

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-18-4a. Old River at Highway 4, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	798	746	806	914	599	491	453	375	353	444	595	726
<b>20% Exceedance</b>	759	684	756	842	541	421	418	356	312	357	509	675
<b>30% Exceedance</b>	720	642	716	771	500	396	390	338	296	329	445	650
<b>40% Exceedance</b>	697	602	686	671	469	384	376	333	287	313	427	588
<b>50% Exceedance</b>	663	532	651	575	436	365	365	325	283	294	383	548
<b>60% Exceedance</b>	272	337	609	471	398	349	351	316	278	275	311	355
<b>70% Exceedance</b>	259	305	534	435	370	335	342	305	272	264	288	318
<b>80% Exceedance</b>	253	296	383	389	348	324	328	293	262	258	273	288
<b>90% Exceedance</b>	239	264	331	351	325	301	301	253	256	252	256	241
<b>Full Simulation Period Average<sup>a</sup></b>	513	496	605	606	447	375	366	321	296	323	393	489
<b>Wet Water Years (32%)</b>	247	288	488	436	391	349	318	274	267	264	271	282
<b>Above Normal Years (15%)</b>	264	337	612	601	448	376	349	310	276	264	292	322
<b>Below Normal Years (17%)</b>	757	639	606	670	425	367	391	333	280	301	444	713
<b>Dry Water Years (22%)</b>	706	666	658	685	471	385	399	353	294	364	499	617
<b>Critical Water Years (15%)</b>	767	682	774	785	555	426	406	372	400	475	543	650

**Table 6B1-18-4b. Old River at Highway 4, Alternative 3 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	774	743	795	924	605	489	453	372	353	444	605	717
<b>20% Exceedance</b>	743	674	754	845	542	423	418	350	311	362	506	668
<b>30% Exceedance</b>	703	644	717	778	500	396	391	337	296	333	466	639
<b>40% Exceedance</b>	683	598	697	672	474	383	376	331	286	317	433	610
<b>50% Exceedance</b>	638	537	663	563	438	367	366	325	282	292	401	552
<b>60% Exceedance</b>	269	336	599	472	396	349	348	316	277	276	307	342
<b>70% Exceedance</b>	256	298	535	431	370	335	343	305	272	264	285	304
<b>80% Exceedance</b>	249	291	377	384	347	325	321	293	262	259	270	279
<b>90% Exceedance</b>	237	267	318	351	326	299	295	268	255	252	255	240
<b>Full Simulation Period Average<sup>a</sup></b>	504	492	605	609	448	375	365	320	295	325	396	485
<b>Wet Water Years (32%)</b>	245	290	491	440	391	347	318	274	267	264	270	277
<b>Above Normal Years (15%)</b>	264	338	597	612	451	377	346	309	277	265	289	312
<b>Below Normal Years (17%)</b>	717	618	595	657	423	368	392	333	280	302	439	698
<b>Dry Water Years (22%)</b>	697	667	672	691	475	386	398	348	293	373	518	621
<b>Critical Water Years (15%)</b>	765	673	775	795	559	423	401	370	397	473	544	654

**Table 6B1-18-4c. Old River at Highway 4, Alternative 3 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-25	-3	-10	10	6	-2	1	-2	0	0	10	-10
<b>20% Exceedance</b>	-16	-11	-2	3	0	2	0	-6	-2	5	-3	-8
<b>30% Exceedance</b>	-16	2	1	7	1	1	2	-1	0	4	21	-11
<b>40% Exceedance</b>	-13	-4	11	1	5	-1	0	-1	-1	3	6	22
<b>50% Exceedance</b>	-25	5	12	-12	2	2	0	-1	-1	-2	19	4
<b>60% Exceedance</b>	-3	-1	-10	1	-2	0	-2	1	-1	0	-4	-13
<b>70% Exceedance</b>	-3	-7	2	-4	0	-1	1	0	0	0	-3	-14
<b>80% Exceedance</b>	-4	-6	-5	-5	-1	1	-7	0	0	1	-2	-9
<b>90% Exceedance</b>	-3	3	-12	0	1	-2	-6	14	0	1	-1	-1
<b>Full Simulation Period Average<sup>a</sup></b>	-10	-4	0	3	2	-1	-1	-1	-1	2	3	-4
<b>Wet Water Years (32%)</b>	-2	2	3	4	0	-2	0	1	0	0	-1	-5
<b>Above Normal Years (15%)</b>	0	1	-15	10	3	1	-3	-1	0	1	-3	-10
<b>Below Normal Years (17%)</b>	-40	-20	-11	-12	-2	0	0	0	0	0	-5	-15
<b>Dry Water Years (22%)</b>	-9	1	13	6	4	2	-1	-5	-1	9	20	4
<b>Critical Water Years (15%)</b>	-3	-8	1	10	4	-4	-4	-2	-2	-2	1	4

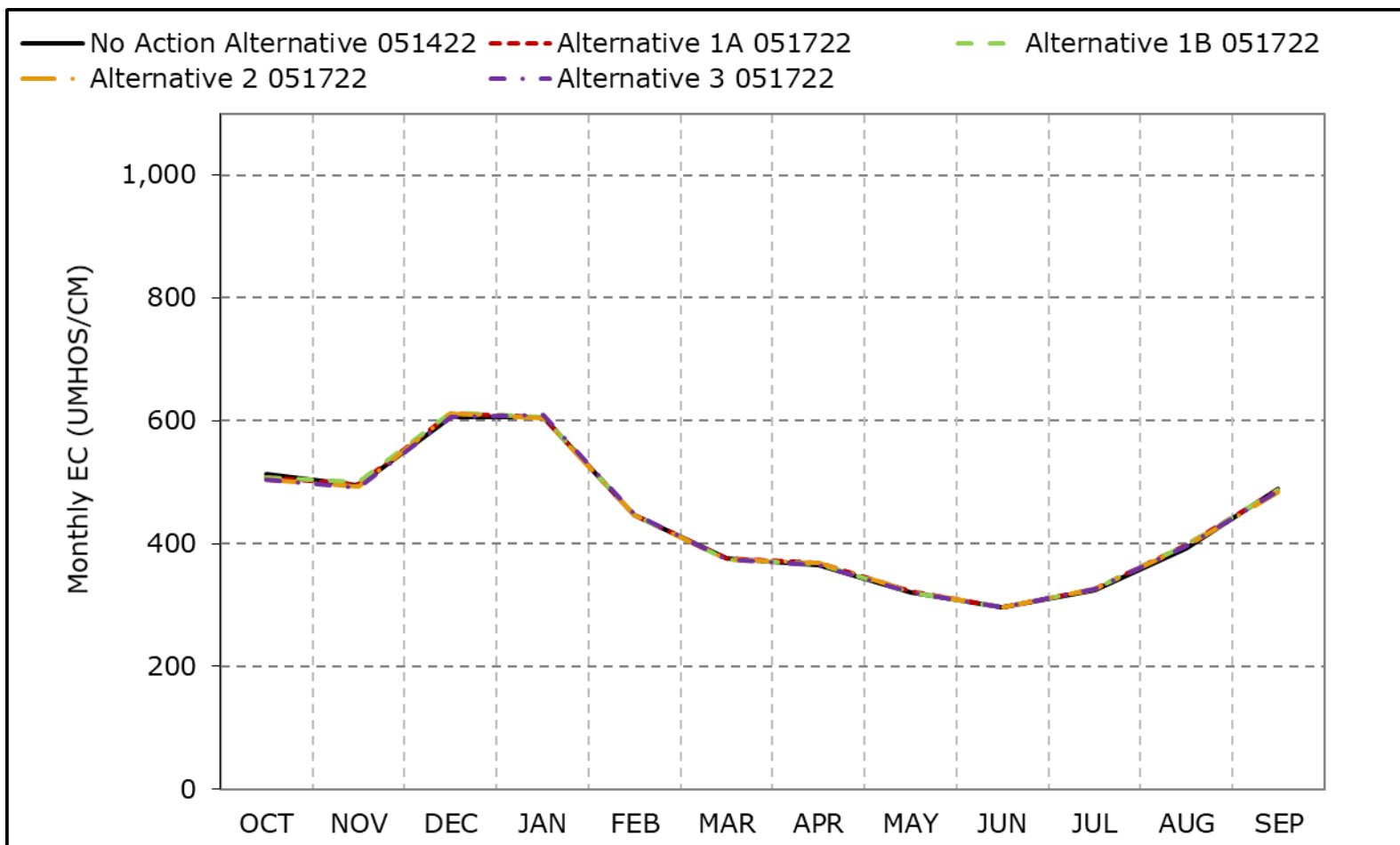
<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Figure 6B1-18-1. Old River at Highway 4, Long-Term Average EC**

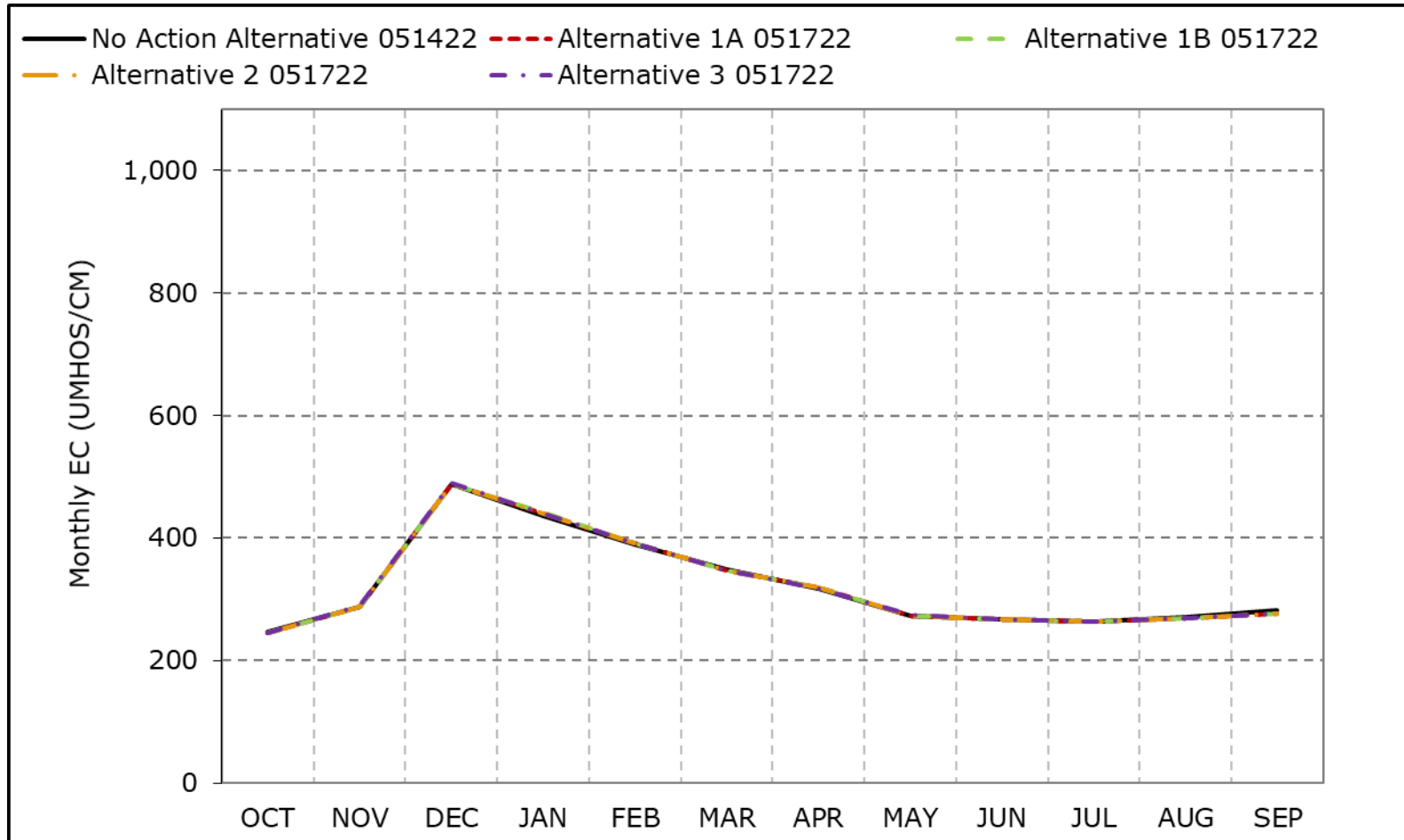


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-18-2. Old River at Highway 4, Wet Year Average EC**

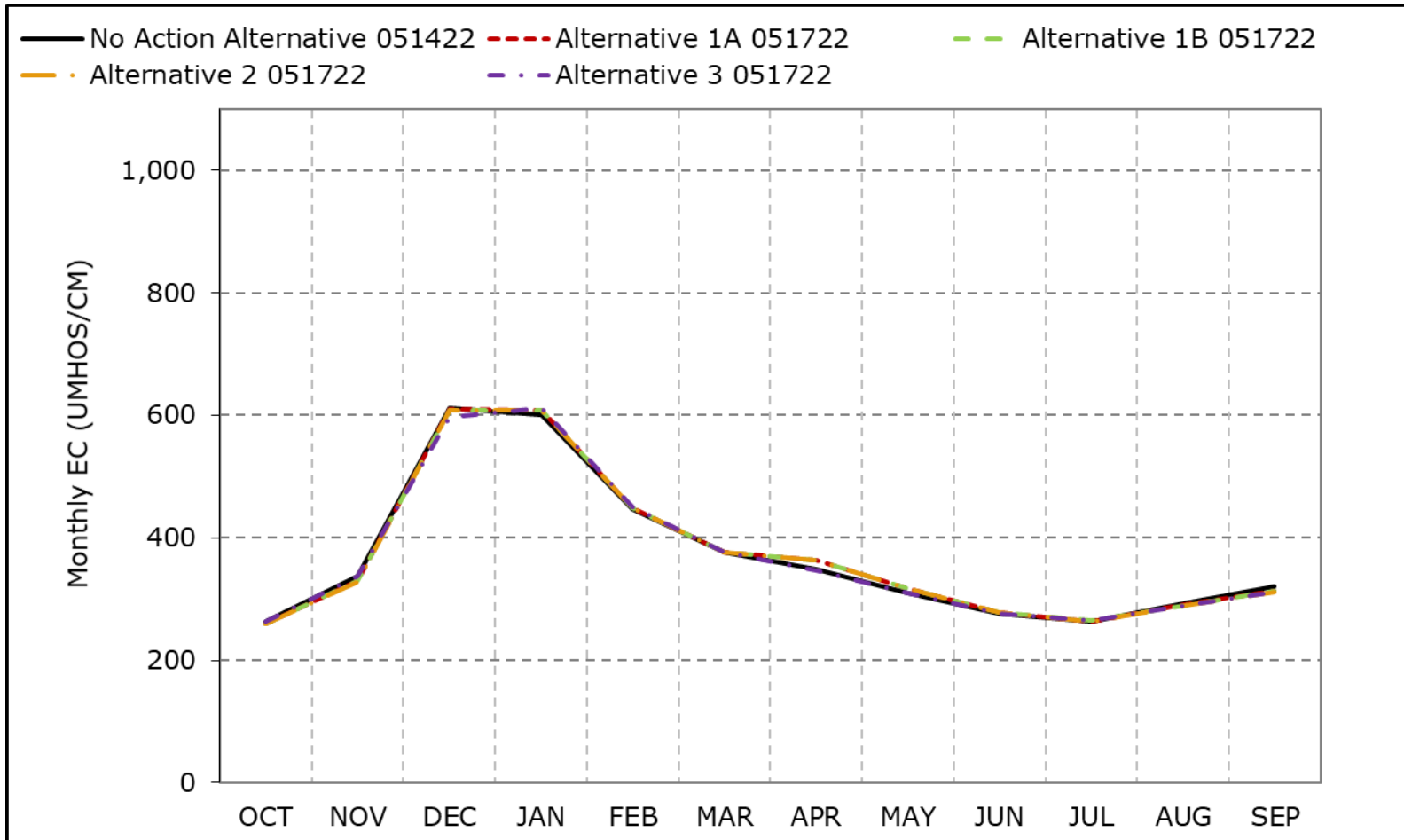


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-18-3. Old River at Highway 4, Above Normal Year Average EC**

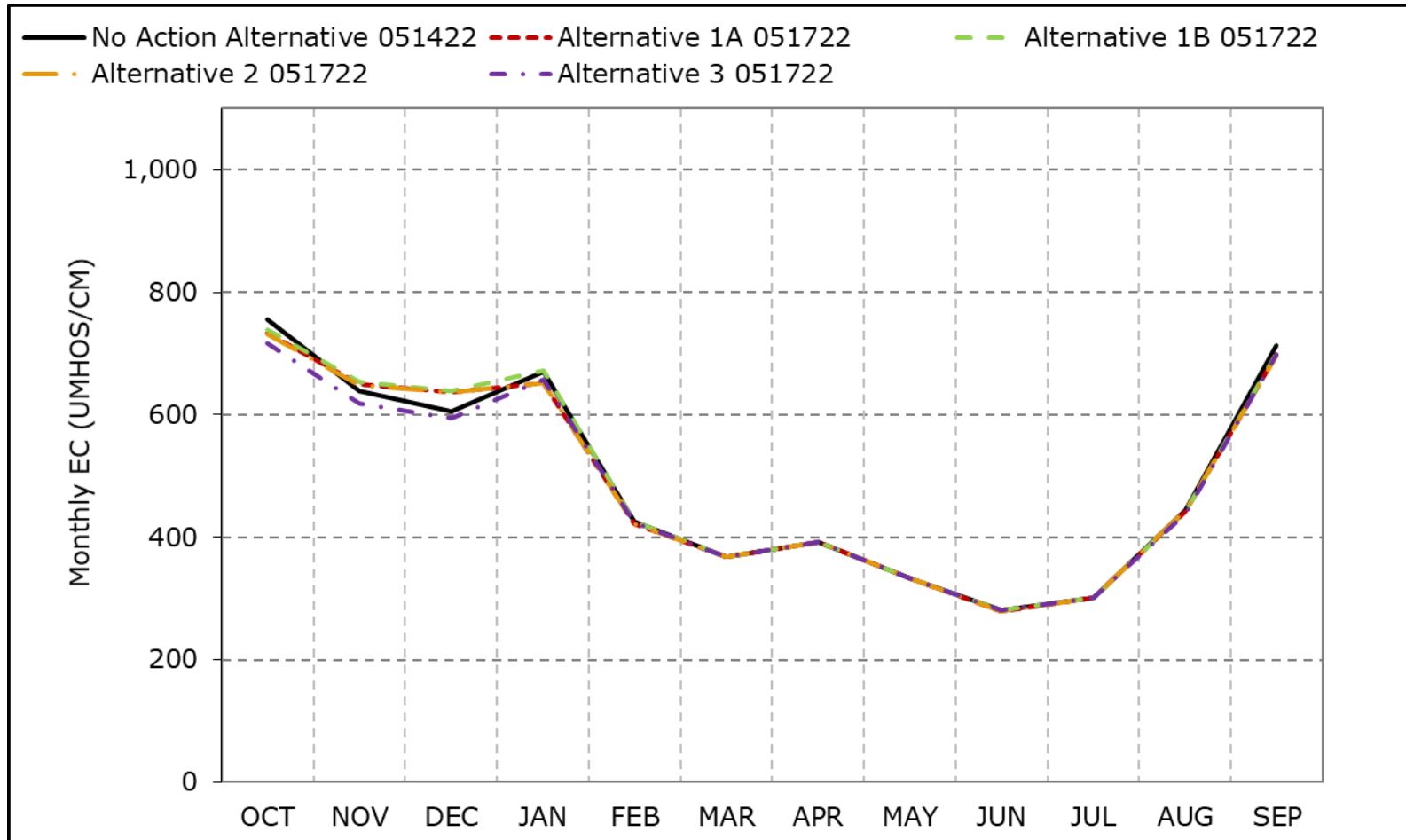


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-18-4. Old River at Highway 4, Below Normal Year Average EC**



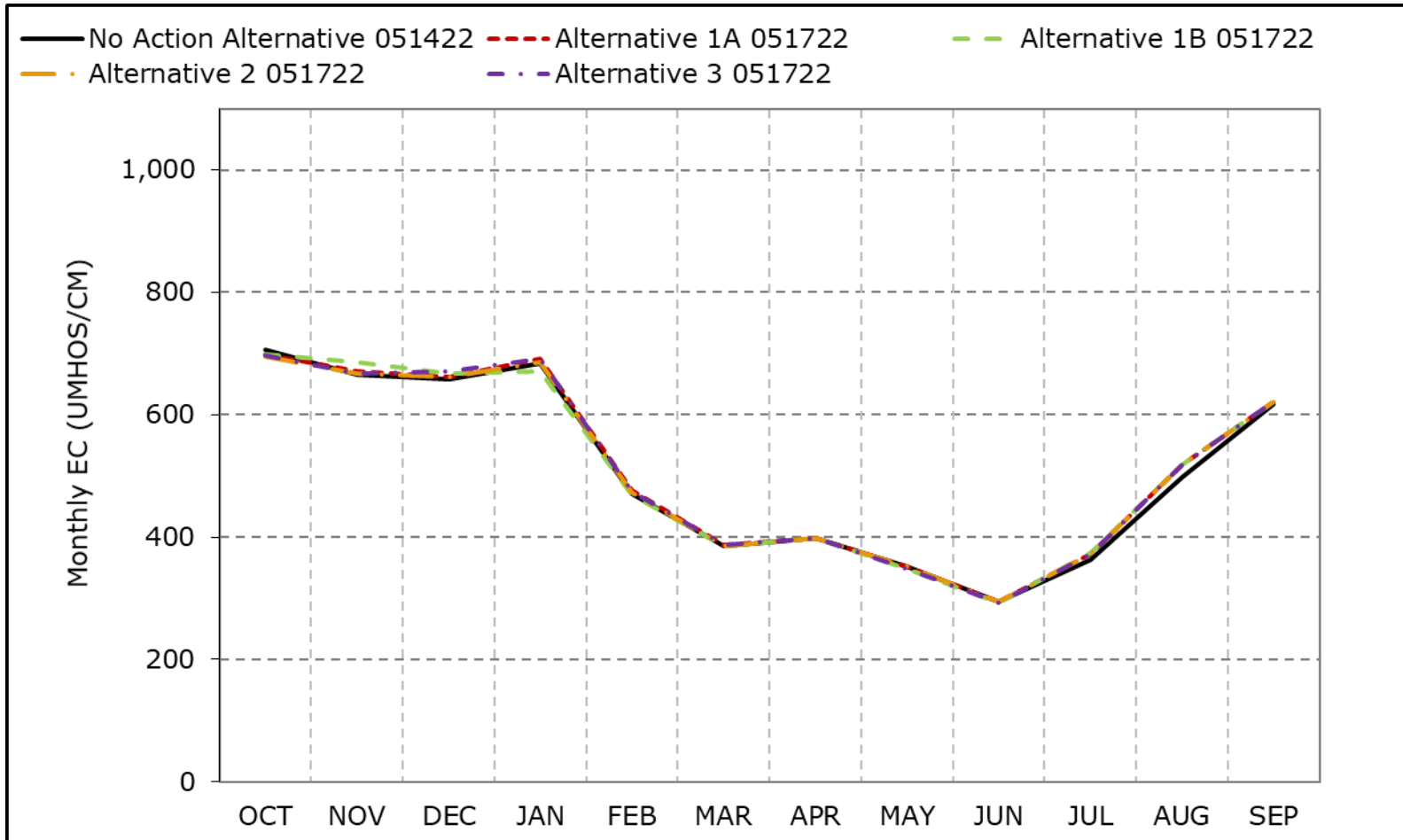
\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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



**Figure 6B1-18-5. Old River at Highway 4, Dry Year Average EC**

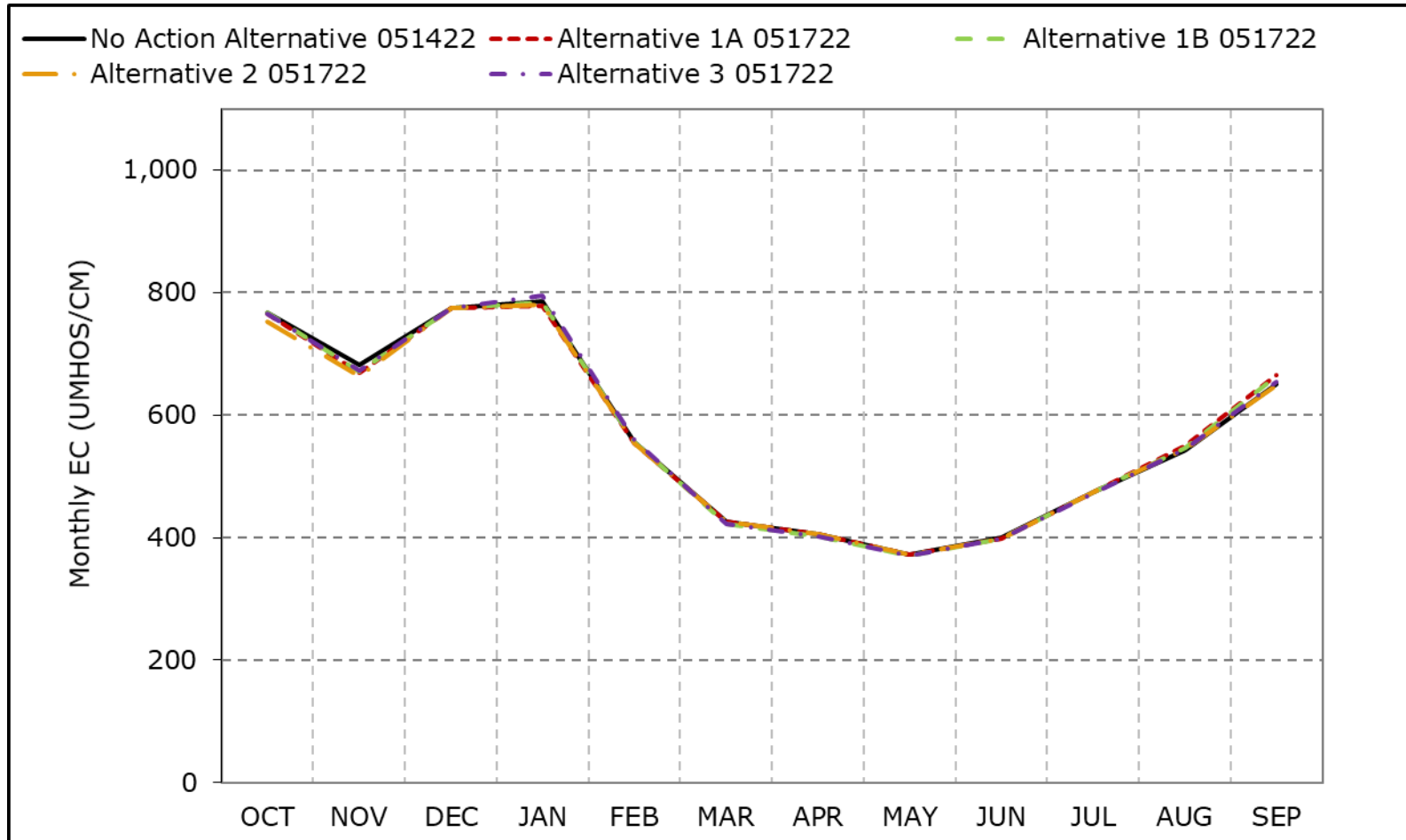


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-18-6. Old River at Highway 4, Critical Year Average EC**

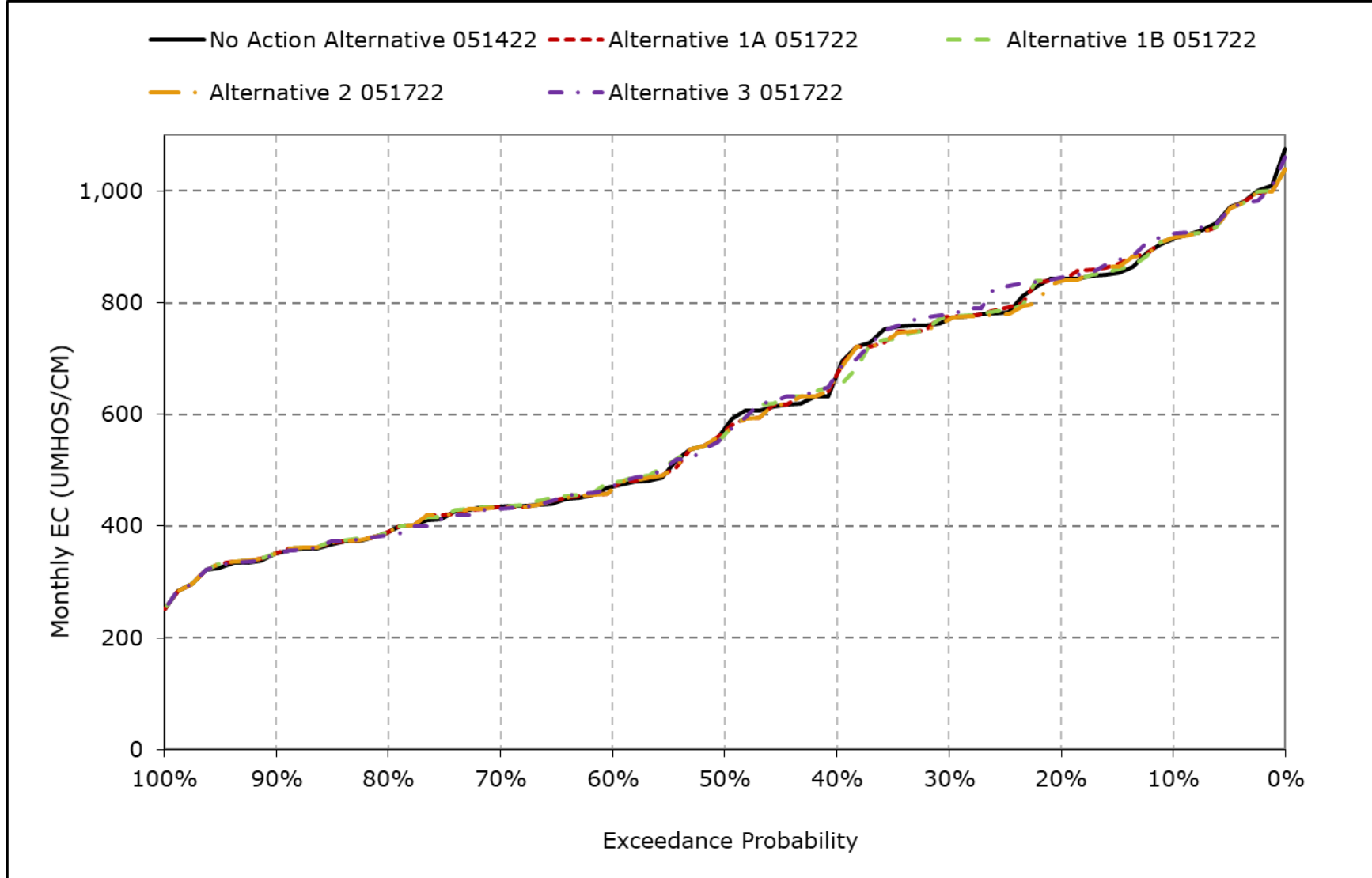


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

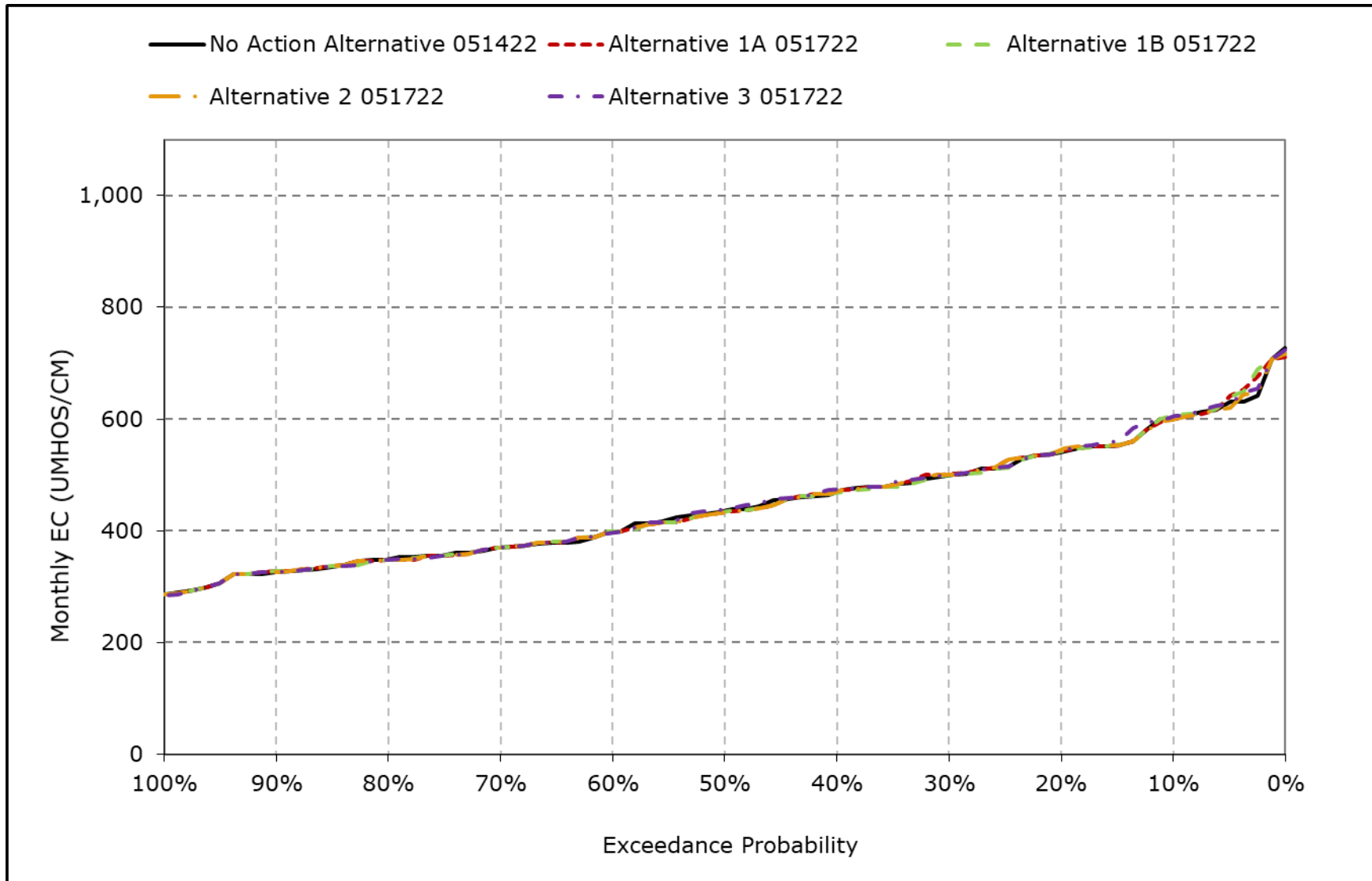
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-18-7. Old River at Highway 4, January EC**



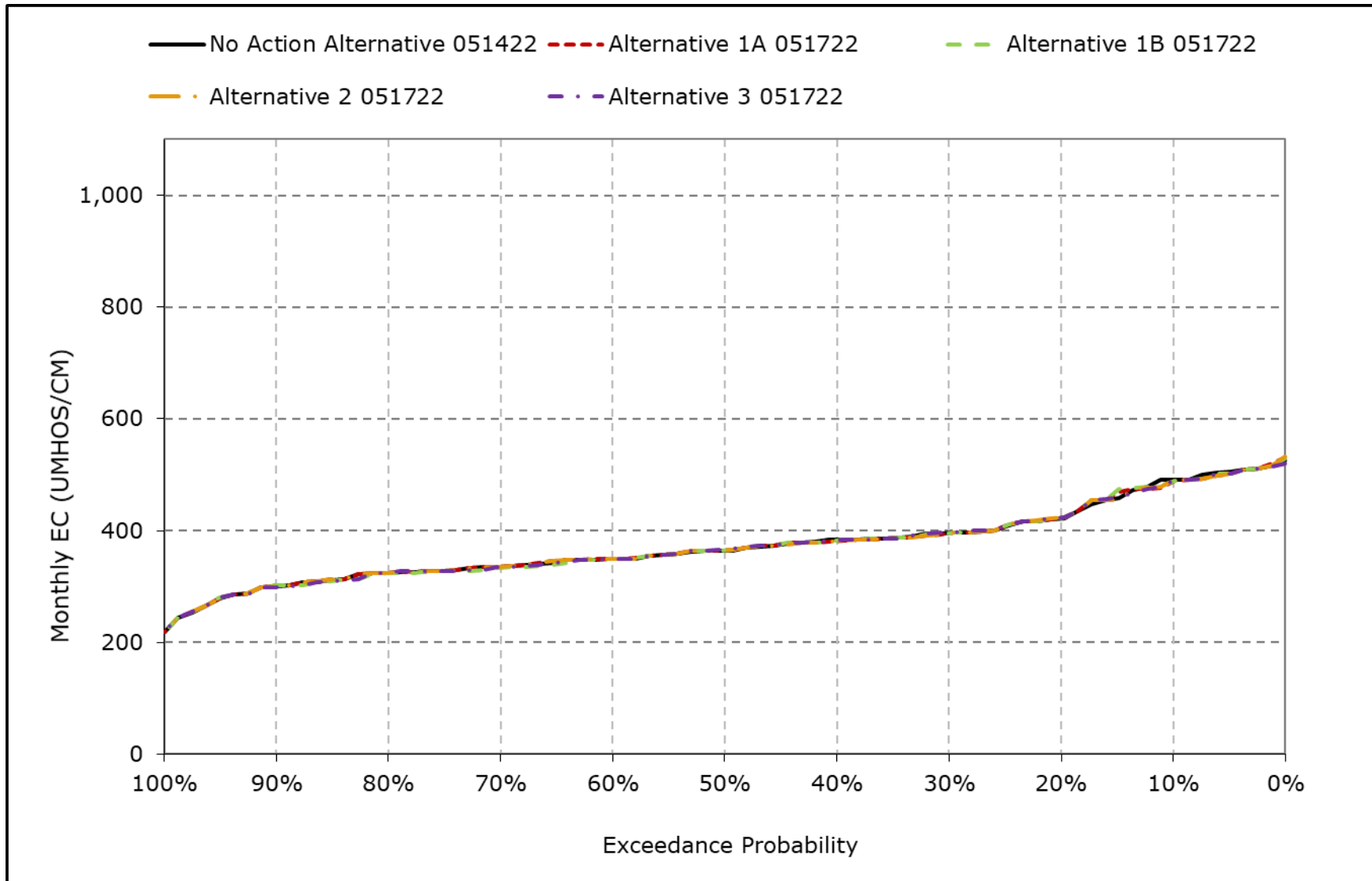
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-18-8. Old River at Highway 4, February EC**



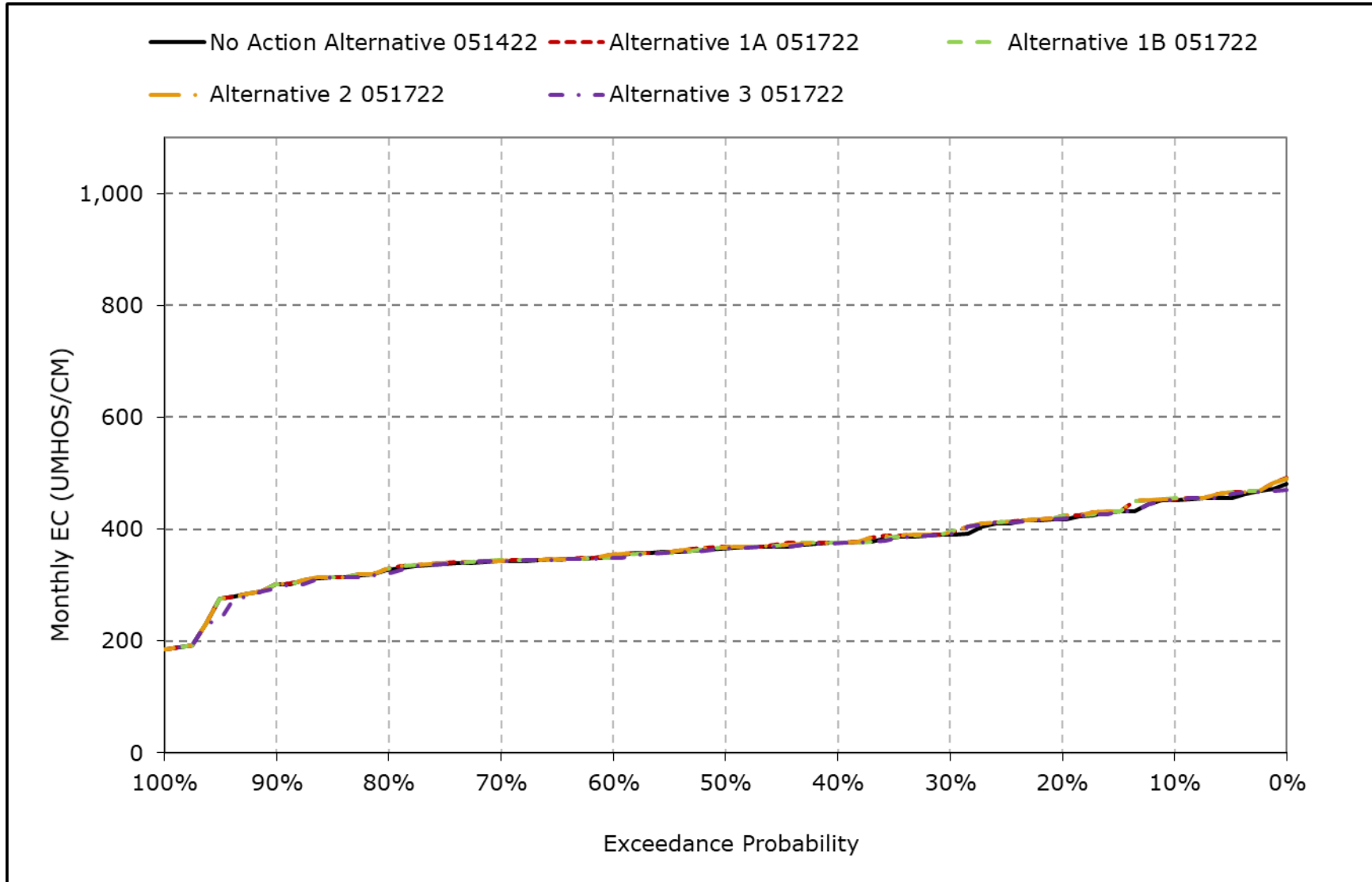
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-18-9. Old River at Highway 4, March EC**



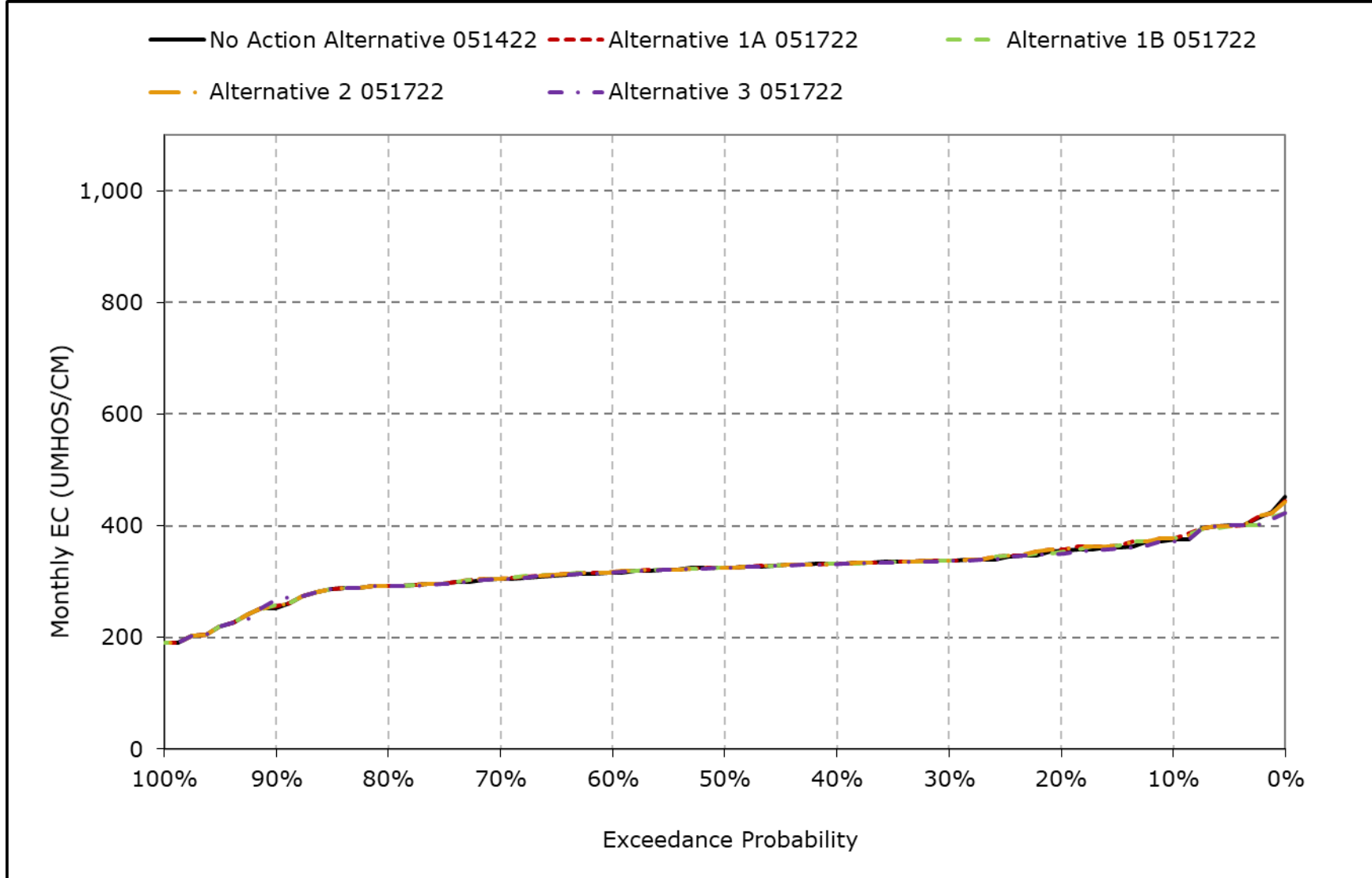
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-18-10. Old River at Highway 4, April EC**



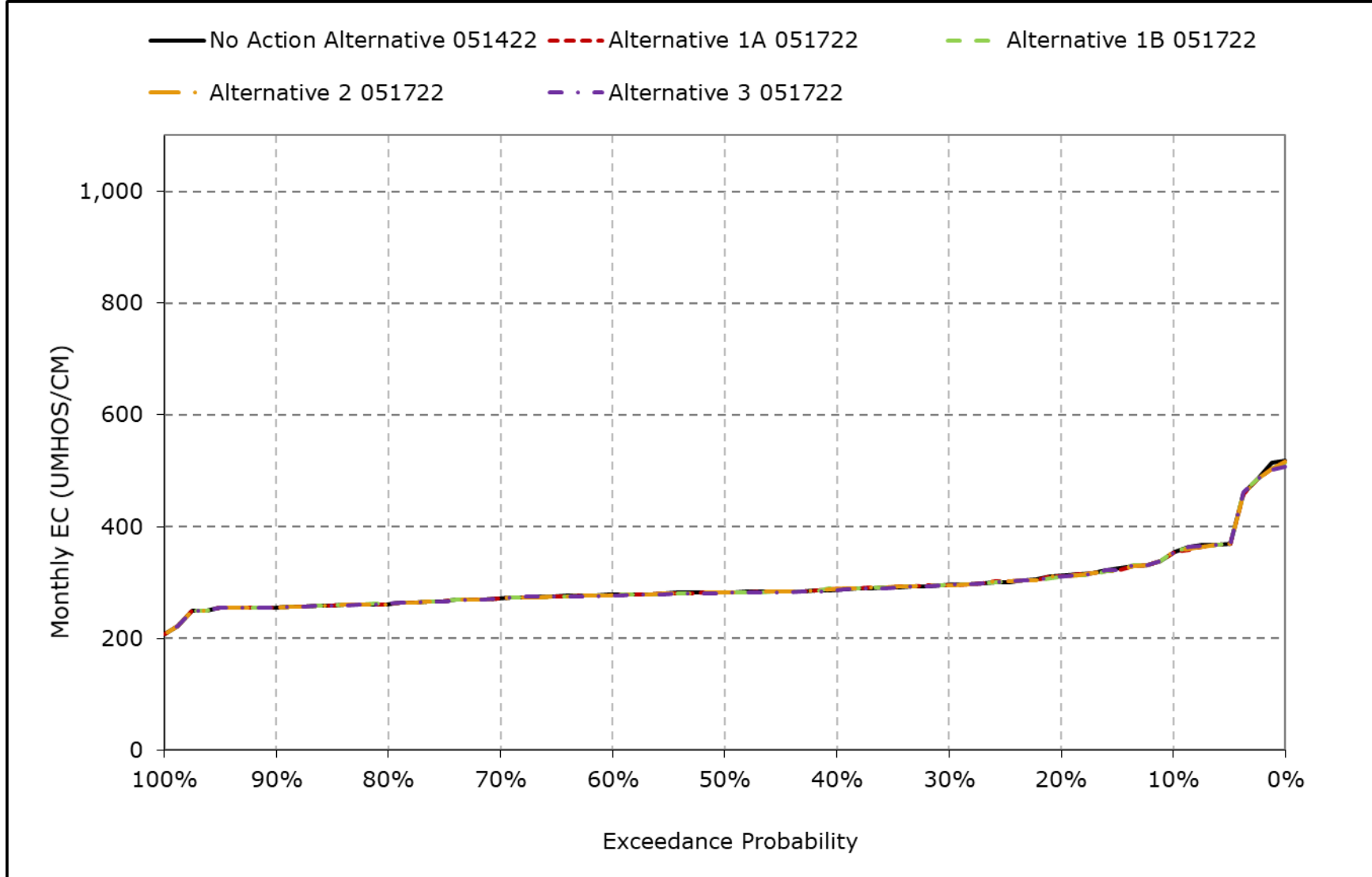
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-18-11. Old River at Highway 4, May EC**



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

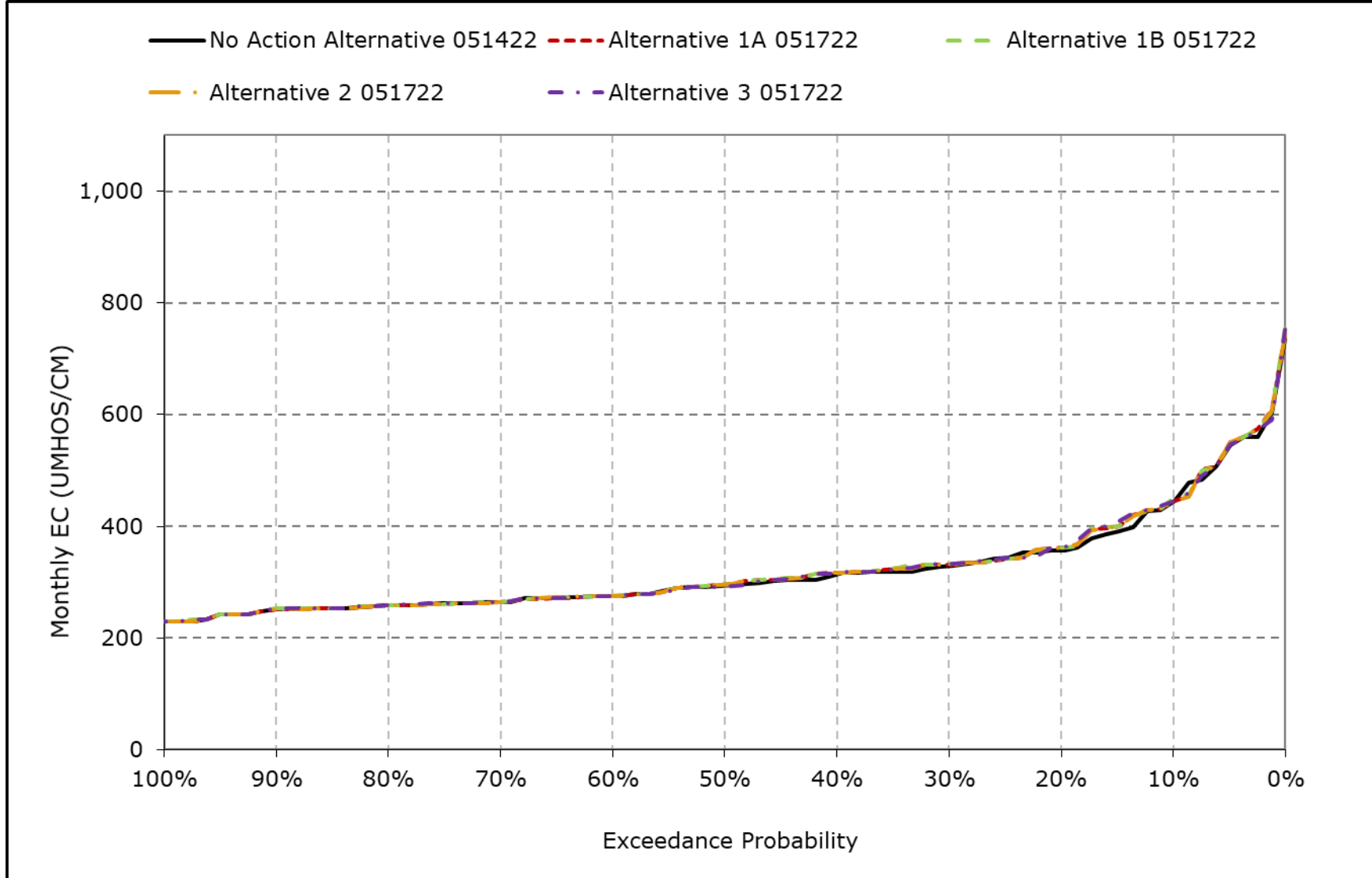
**Figure 6B1-18-12. Old River at Highway 4, June EC**



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

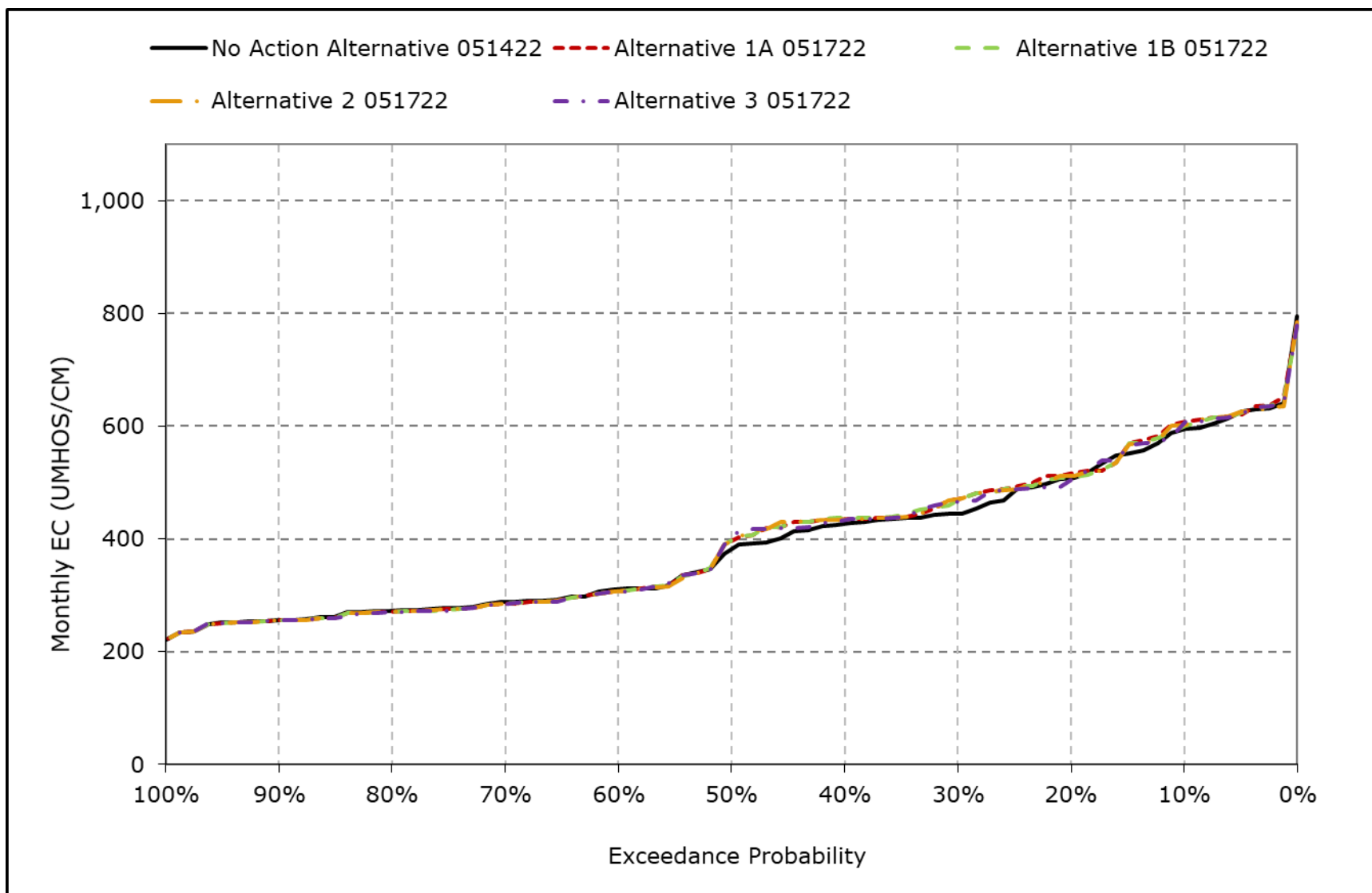


**Figure 6B1-18-13. Old River at Highway 4, July EC**



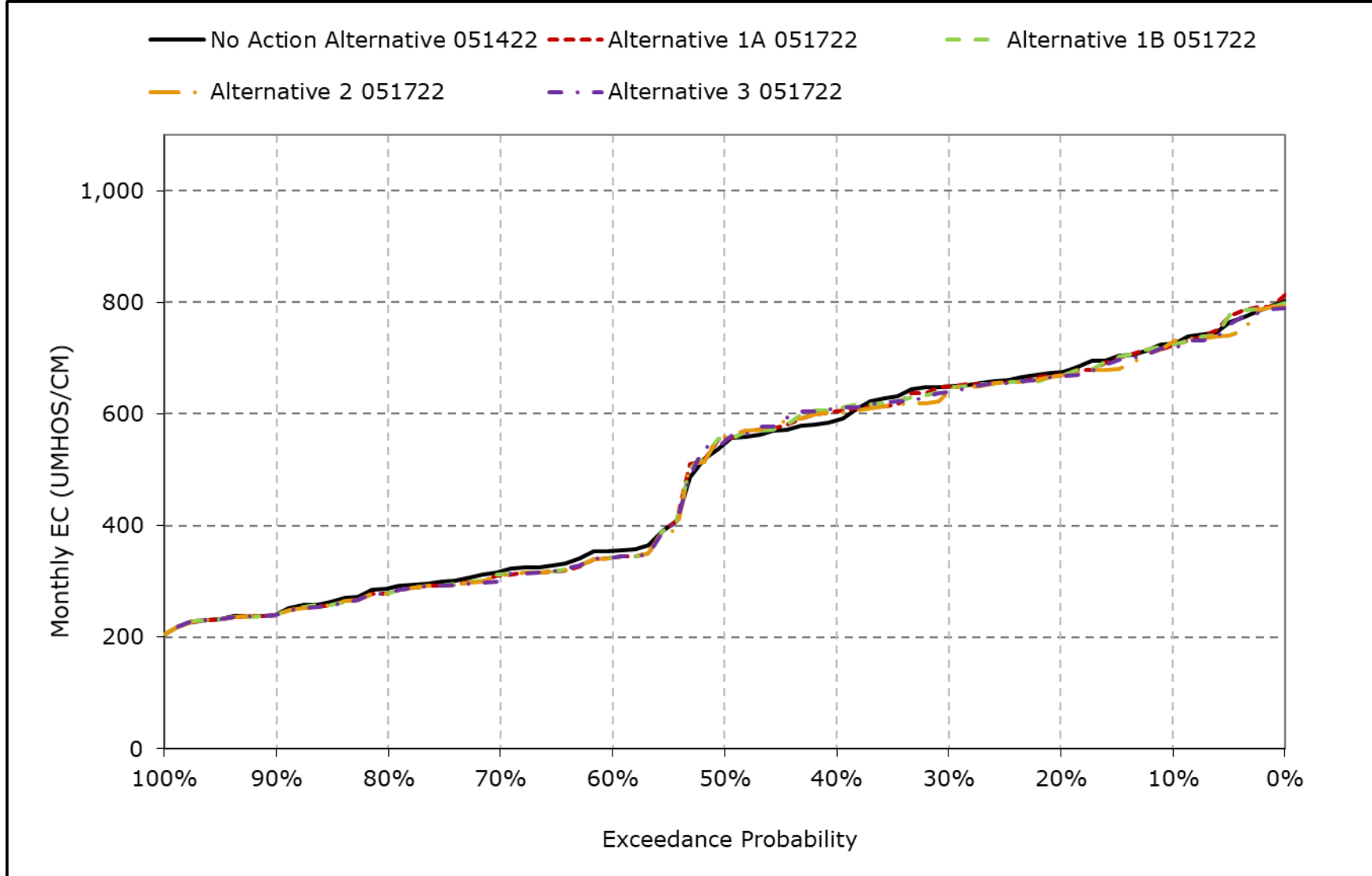
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-18-14. Old River at Highway 4, August EC**



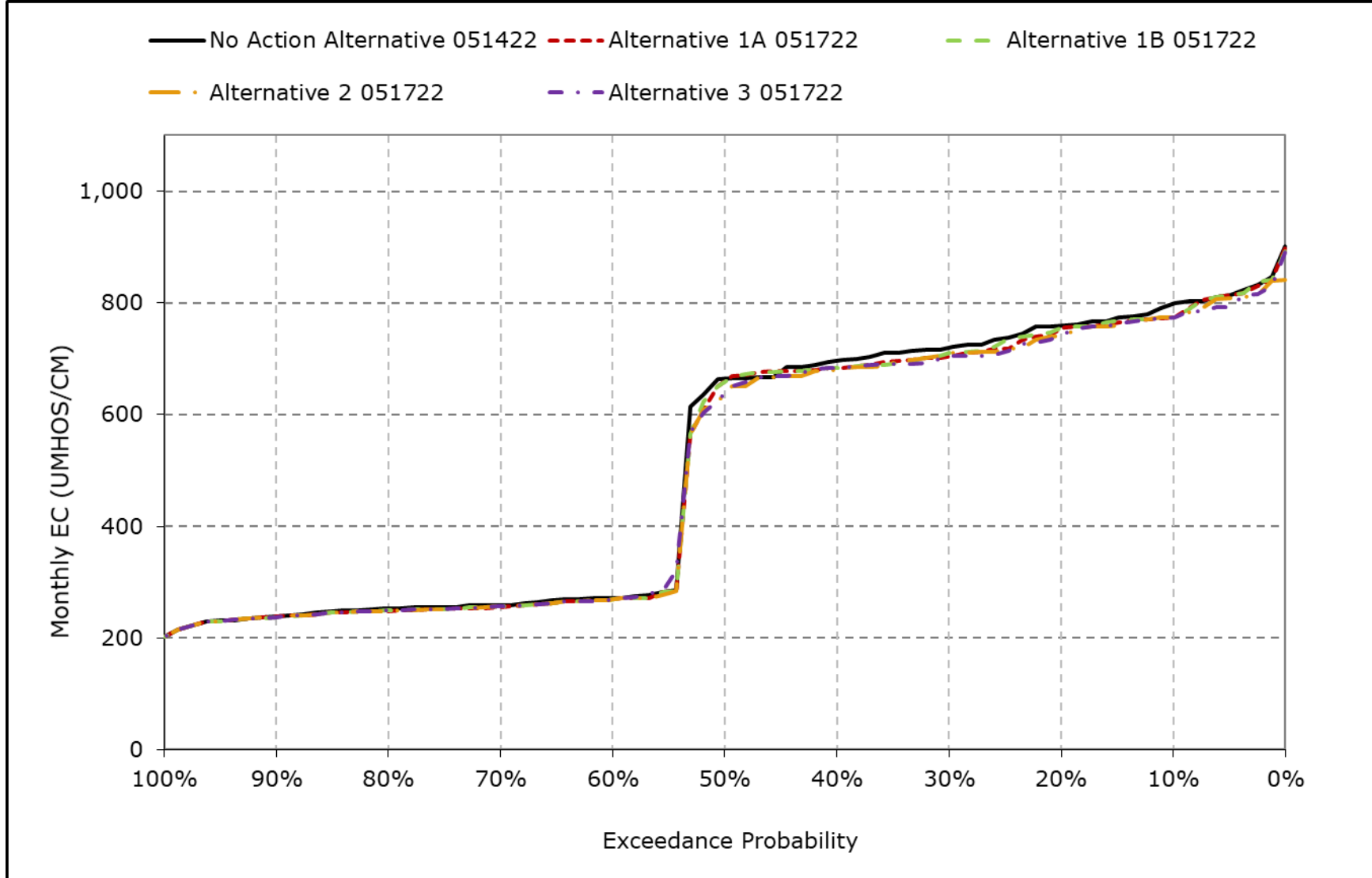
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-18-15. Old River at Highway 4, September EC**



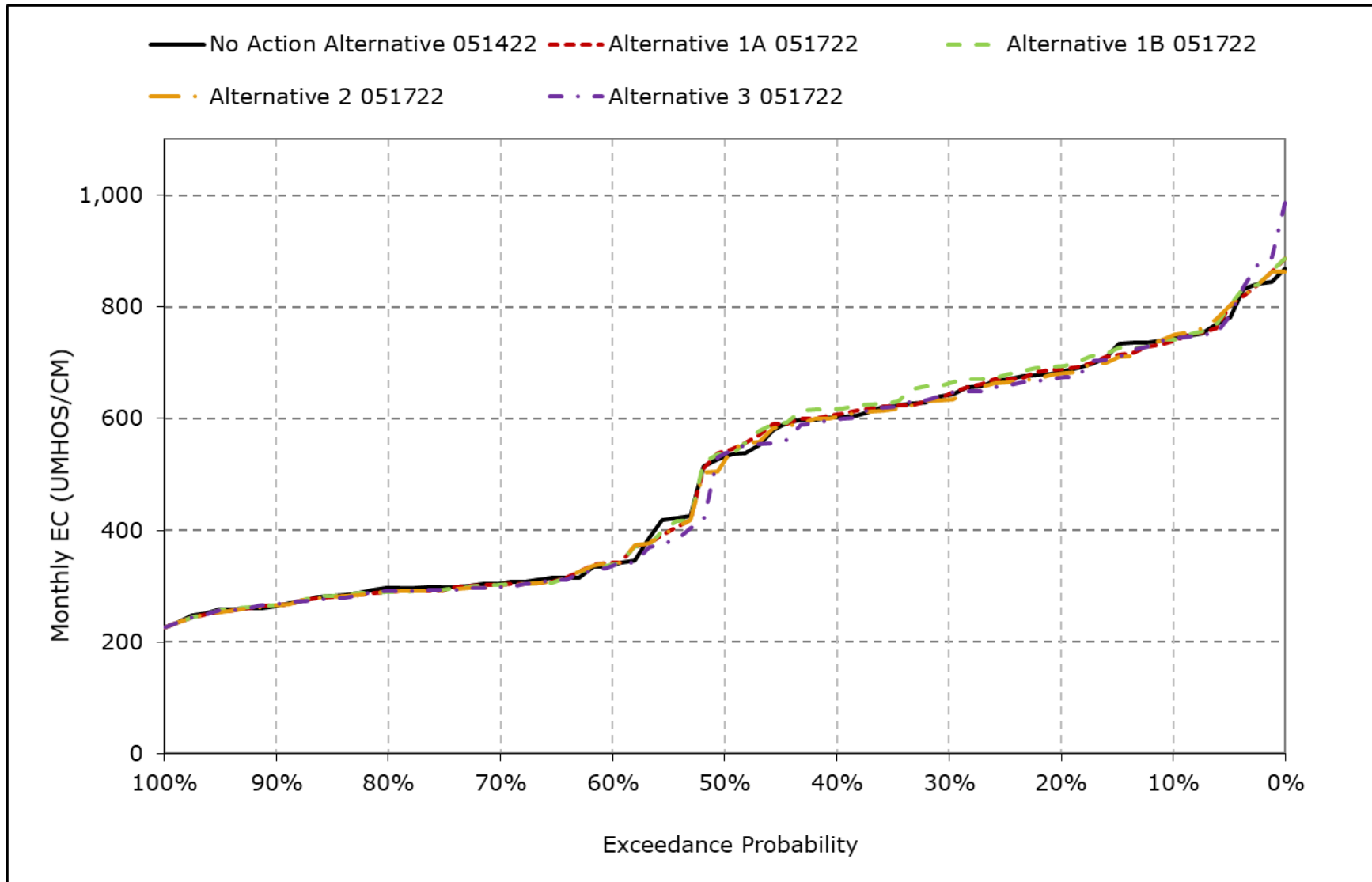
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-18-16. Old River at Highway 4, October EC**



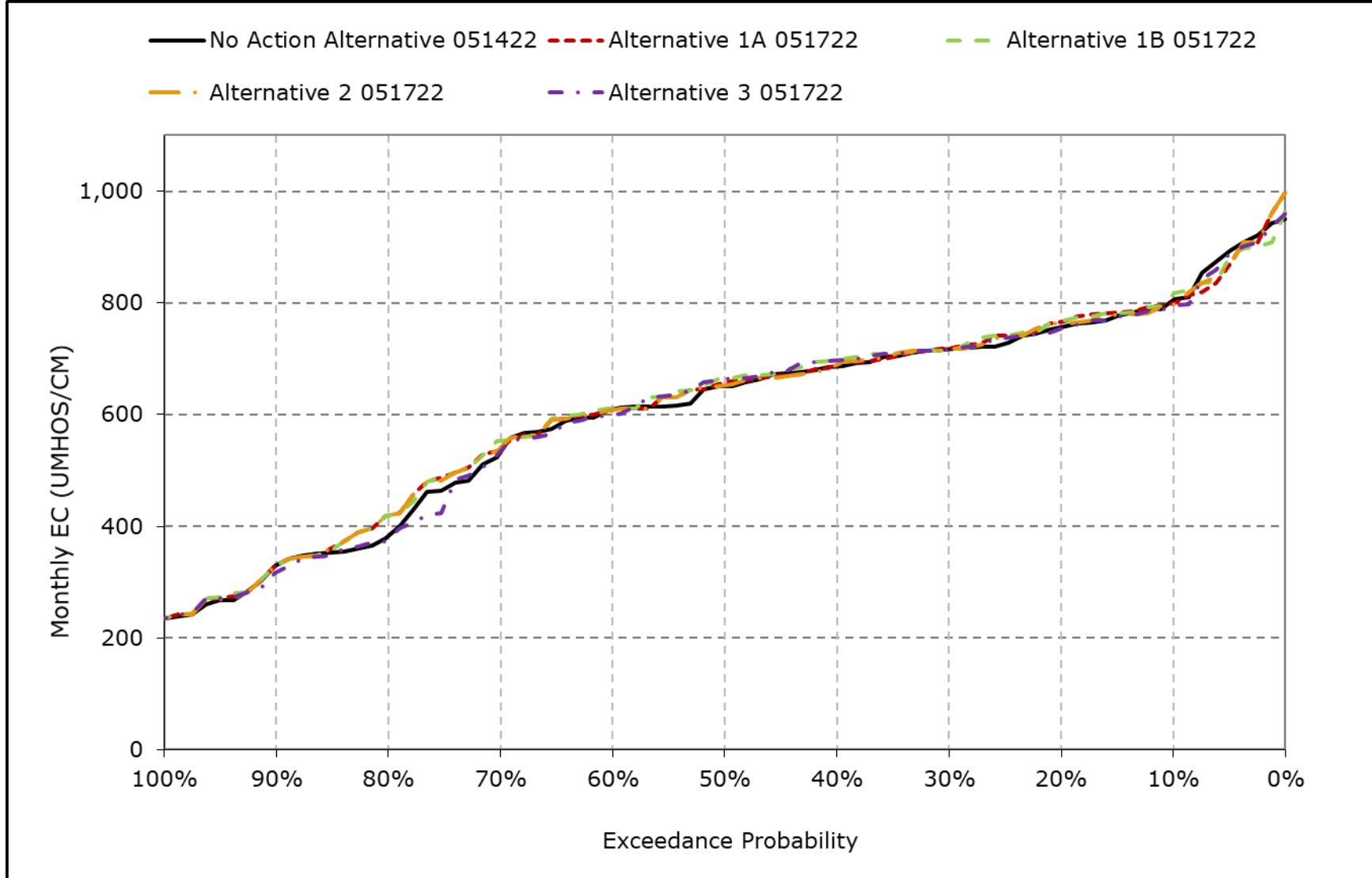
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-18-17. Old River at Highway 4, November EC**



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

**Figure 6B1-18-18. Old River at Highway 4, December EC**



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

**Table 6B1-19-1a. Victoria Canal, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	544	540	592	744	646	555	512	426	374	377	433	474
<b>20% Exceedance</b>	507	503	559	703	611	523	466	405	359	354	389	462
<b>30% Exceedance</b>	495	469	526	660	581	500	454	385	346	323	349	442
<b>40% Exceedance</b>	483	454	503	630	542	480	439	370	340	310	332	419
<b>50% Exceedance</b>	457	431	487	569	508	450	417	359	332	301	322	397
<b>60% Exceedance</b>	312	315	444	534	489	432	380	345	327	289	308	304
<b>70% Exceedance</b>	306	305	421	504	465	390	347	334	321	279	289	294
<b>80% Exceedance</b>	300	297	396	471	432	366	320	320	307	266	279	288
<b>90% Exceedance</b>	291	290	332	426	373	332	279	243	287	256	266	279
<b>Full Simulation Period Average<sup>a</sup></b>	411	400	475	579	513	445	397	350	333	312	333	373
<b>Wet Water Years (32%)</b>	294	291	383	483	437	374	310	284	313	303	284	283
<b>Above Normal Years (15%)</b>	306	317	468	596	538	438	376	337	331	289	280	298
<b>Below Normal Years (17%)</b>	491	450	488	616	516	460	425	367	330	282	330	448
<b>Dry Water Years (22%)</b>	490	494	528	623	554	508	480	403	334	303	383	428
<b>Critical Water Years (15%)</b>	558	517	587	662	590	494	451	411	384	402	422	472

**Table 6B1-19-1b. Victoria Canal, Alternative 1A 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	531	529	592	748	645	564	513	427	372	376	433	475
<b>20% Exceedance</b>	501	502	560	702	611	521	467	405	358	352	386	448
<b>30% Exceedance</b>	481	466	537	666	583	500	454	384	348	322	351	436
<b>40% Exceedance</b>	468	444	506	631	542	481	438	370	340	308	333	416
<b>50% Exceedance</b>	454	422	493	576	507	452	418	359	332	302	320	395
<b>60% Exceedance</b>	312	314	449	528	488	432	380	343	326	289	307	300
<b>70% Exceedance</b>	304	305	420	494	466	391	348	333	321	279	288	292
<b>80% Exceedance</b>	299	297	398	473	432	366	320	320	306	266	279	285
<b>90% Exceedance</b>	287	289	337	429	375	332	284	244	287	256	266	277
<b>Full Simulation Period Average<sup>a</sup></b>	405	397	479	579	513	446	398	350	333	310	332	369
<b>Wet Water Years (32%)</b>	292	291	383	486	437	374	311	284	313	302	284	281
<b>Above Normal Years (15%)</b>	304	313	466	601	537	439	377	337	331	289	279	295
<b>Below Normal Years (17%)</b>	480	450	508	608	514	460	425	367	330	282	330	443
<b>Dry Water Years (22%)</b>	479	491	533	624	557	510	480	403	334	303	386	425
<b>Critical Water Years (15%)</b>	553	506	584	658	587	495	450	411	383	394	411	466

**Table 6B1-19-1c. Victoria Canal, Alternative 1A 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-13	-10	0	4	-1	8	1	1	-2	-1	0	1
<b>20% Exceedance</b>	-6	-1	1	-1	0	-1	1	0	-2	-2	-4	-13
<b>30% Exceedance</b>	-15	-3	11	5	2	0	0	-1	1	0	2	-6
<b>40% Exceedance</b>	-14	-9	4	2	1	1	-1	0	0	-2	1	-3
<b>50% Exceedance</b>	-3	-9	6	7	-1	2	1	0	0	1	-2	-2
<b>60% Exceedance</b>	0	-1	5	-7	0	0	0	-2	-1	-1	-1	-4
<b>70% Exceedance</b>	-2	0	-2	-10	0	1	0	0	0	-1	-1	-2
<b>80% Exceedance</b>	-1	-1	1	2	0	0	0	0	-1	-1	0	-3
<b>90% Exceedance</b>	-4	0	5	3	2	0	4	1	0	0	0	-2
<b>Full Simulation Period Average<sup>a</sup></b>	-6	-3	3	0	0	1	0	0	0	-1	-1	-3
<b>Wet Water Years (32%)</b>	-2	0	0	3	0	0	0	0	0	0	0	-2
<b>Above Normal Years (15%)</b>	-2	-3	-2	5	0	0	1	0	0	0	-1	-3
<b>Below Normal Years (17%)</b>	-11	0	19	-8	-2	0	0	0	0	0	-1	-5
<b>Dry Water Years (22%)</b>	-10	-3	5	1	3	2	0	0	-1	0	4	-3
<b>Critical Water Years (15%)</b>	-5	-12	-3	-5	-2	0	-1	0	-1	-8	-11	-6

<sup>a</sup> Based on the 82-year simulation period.

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

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

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





**Table 6B1-19-3a. Victoria Canal, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	544	540	592	744	646	555	512	426	374	377	433	474
20% Exceedance	507	503	559	703	611	523	466	405	359	354	389	462
30% Exceedance	495	469	526	660	581	500	454	385	346	323	349	442
40% Exceedance	483	454	503	630	542	480	439	370	340	310	332	419
50% Exceedance	457	431	487	569	508	450	417	359	332	301	322	397
60% Exceedance	312	315	444	534	489	432	380	345	327	289	308	304
70% Exceedance	306	305	421	504	465	390	347	334	321	279	289	294
80% Exceedance	300	297	396	471	432	366	320	320	307	266	279	288
90% Exceedance	291	290	332	426	373	332	279	243	287	256	266	279
<b>Full Simulation Period Average<sup>a</sup></b>	<b>411</b>	<b>400</b>	<b>475</b>	<b>579</b>	<b>513</b>	<b>445</b>	<b>397</b>	<b>350</b>	<b>333</b>	<b>312</b>	<b>333</b>	<b>373</b>
<b>Wet Water Years (32%)</b>	<b>294</b>	<b>291</b>	<b>383</b>	<b>483</b>	<b>437</b>	<b>374</b>	<b>310</b>	<b>284</b>	<b>313</b>	<b>303</b>	<b>284</b>	<b>283</b>
<b>Above Normal Years (15%)</b>	<b>306</b>	<b>317</b>	<b>468</b>	<b>596</b>	<b>538</b>	<b>438</b>	<b>376</b>	<b>337</b>	<b>331</b>	<b>289</b>	<b>280</b>	<b>298</b>
<b>Below Normal Years (17%)</b>	<b>491</b>	<b>450</b>	<b>488</b>	<b>616</b>	<b>516</b>	<b>460</b>	<b>425</b>	<b>367</b>	<b>330</b>	<b>282</b>	<b>330</b>	<b>448</b>
<b>Dry Water Years (22%)</b>	<b>490</b>	<b>494</b>	<b>528</b>	<b>623</b>	<b>554</b>	<b>508</b>	<b>480</b>	<b>403</b>	<b>334</b>	<b>303</b>	<b>383</b>	<b>428</b>
<b>Critical Water Years (15%)</b>	<b>558</b>	<b>517</b>	<b>587</b>	<b>662</b>	<b>590</b>	<b>494</b>	<b>451</b>	<b>411</b>	<b>384</b>	<b>402</b>	<b>422</b>	<b>472</b>

**Table 6B1-19-3b. Victoria Canal, Alternative 2 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	531	522	598	749	643	556	514	427	372	376	432	465
20% Exceedance	495	500	561	701	601	521	467	405	358	352	386	448
30% Exceedance	480	467	534	658	583	500	454	384	348	322	350	436
40% Exceedance	468	444	506	631	542	481	437	370	340	308	333	416
50% Exceedance	453	413	493	576	507	452	418	359	332	302	320	395
60% Exceedance	312	314	447	528	488	432	380	343	326	289	307	300
70% Exceedance	304	305	420	493	466	391	347	333	321	278	288	292
80% Exceedance	299	297	398	473	432	366	320	320	306	266	279	285
90% Exceedance	287	289	337	429	375	332	284	244	287	256	266	277
<b>Full Simulation Period Average<sup>a</sup></b>	<b>404</b>	<b>395</b>	<b>478</b>	<b>578</b>	<b>513</b>	<b>445</b>	<b>398</b>	<b>350</b>	<b>333</b>	<b>310</b>	<b>332</b>	<b>368</b>
<b>Wet Water Years (32%)</b>	<b>292</b>	<b>290</b>	<b>383</b>	<b>486</b>	<b>437</b>	<b>374</b>	<b>311</b>	<b>284</b>	<b>313</b>	<b>302</b>	<b>284</b>	<b>281</b>
<b>Above Normal Years (15%)</b>	<b>304</b>	<b>313</b>	<b>465</b>	<b>601</b>	<b>537</b>	<b>439</b>	<b>377</b>	<b>337</b>	<b>331</b>	<b>289</b>	<b>279</b>	<b>294</b>
<b>Below Normal Years (17%)</b>	<b>479</b>	<b>449</b>	<b>507</b>	<b>608</b>	<b>514</b>	<b>460</b>	<b>425</b>	<b>367</b>	<b>330</b>	<b>282</b>	<b>330</b>	<b>442</b>
<b>Dry Water Years (22%)</b>	<b>478</b>	<b>489</b>	<b>533</b>	<b>621</b>	<b>554</b>	<b>509</b>	<b>480</b>	<b>403</b>	<b>333</b>	<b>302</b>	<b>386</b>	<b>425</b>
<b>Critical Water Years (15%)</b>	<b>545</b>	<b>502</b>	<b>585</b>	<b>659</b>	<b>588</b>	<b>495</b>	<b>450</b>	<b>411</b>	<b>383</b>	<b>394</b>	<b>410</b>	<b>460</b>

**Table 6B1-19-3c. Victoria Canal, Alternative 2 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	-13	-17	6	5	-3	0	2	1	-2	-1	-2	-9
20% Exceedance	-13	-4	2	-2	-10	-1	1	0	-1	-3	-3	-14
30% Exceedance	-15	-2	8	-2	2	0	0	-1	1	0	1	-6
40% Exceedance	-15	-9	4	1	1	0	-2	0	0	-2	1	-3
50% Exceedance	-4	-18	6	7	-1	2	1	0	0	1	-2	-2
60% Exceedance	0	-1	3	-7	0	0	0	-2	-1	-1	-1	-4
70% Exceedance	-2	0	-2	-10	0	1	0	0	0	-1	-1	-2
80% Exceedance	-1	-1	1	2	0	0	0	0	-1	-1	0	-3
90% Exceedance	-4	0	5	3	2	0	4	1	0	0	0	-2
<b>Full Simulation Period Average<sup>a</sup></b>	<b>-7</b>	<b>-4</b>	<b>3</b>	<b>-1</b>	<b>-1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-1</b>	<b>-1</b>	<b>-4</b>
<b>Wet Water Years (32%)</b>	<b>-2</b>	<b>-1</b>	<b>-1</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-2</b>
<b>Above Normal Years (15%)</b>	<b>-2</b>	<b>-4</b>	<b>-3</b>	<b>4</b>	<b>-1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-1</b>	<b>-3</b>
<b>Below Normal Years (17%)</b>	<b>-12</b>	<b>-1</b>	<b>19</b>	<b>-9</b>	<b>-2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-1</b>	<b>-6</b>
<b>Dry Water Years (22%)</b>	<b>-12</b>	<b>-5</b>	<b>5</b>	<b>-2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>-1</b>	<b>-1</b>	<b>0</b>	<b>4</b>	<b>-3</b>
<b>Critical Water Years (15%)</b>	<b>-12</b>	<b>-15</b>	<b>-2</b>	<b>-4</b>	<b>-2</b>	<b>0</b>	<b>-1</b>	<b>0</b>	<b>-1</b>	<b>-8</b>	<b>-12</b>	<b>-12</b>

<sup>a</sup> Based on the 82-year simulation period.

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

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

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

**Table 6B1-19-4a. Victoria Canal, No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	544	540	592	744	646	555	512	426	374	377	433	474
<b>20% Exceedance</b>	507	503	559	703	611	523	466	405	359	354	389	462
<b>30% Exceedance</b>	495	469	526	660	581	500	454	385	346	323	349	442
<b>40% Exceedance</b>	483	454	503	630	542	480	439	370	340	310	332	419
<b>50% Exceedance</b>	457	431	487	569	508	450	417	359	332	301	322	397
<b>60% Exceedance</b>	312	315	444	534	489	432	380	345	327	289	308	304
<b>70% Exceedance</b>	306	305	421	504	465	390	347	334	321	279	289	294
<b>80% Exceedance</b>	300	297	396	471	432	366	320	320	307	266	279	288
<b>90% Exceedance</b>	291	290	332	426	373	332	279	243	287	256	266	279
<b>Full Simulation Period Average<sup>a</sup></b>	411	400	475	579	513	445	397	350	333	312	333	373
<b>Wet Water Years (32%)</b>	294	291	383	483	437	374	310	284	313	303	284	283
<b>Above Normal Years (15%)</b>	306	317	468	596	538	438	376	337	331	289	280	298
<b>Below Normal Years (17%)</b>	491	450	488	616	516	460	425	367	330	282	330	448
<b>Dry Water Years (22%)</b>	490	494	528	623	554	508	480	403	334	303	383	428
<b>Critical Water Years (15%)</b>	558	517	587	662	590	494	451	411	384	402	422	472

**Table 6B1-19-4b. Victoria Canal, Alternative 3 051722, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	529	530	591	741	648	555	514	425	374	376	431	472
<b>20% Exceedance</b>	501	495	582	706	613	525	466	403	358	352	386	448
<b>30% Exceedance</b>	480	466	532	679	577	500	454	384	346	323	351	433
<b>40% Exceedance</b>	469	436	507	633	543	481	438	369	340	309	332	417
<b>50% Exceedance</b>	452	417	482	573	508	451	416	359	331	300	319	396
<b>60% Exceedance</b>	312	312	437	529	489	432	380	344	325	290	306	299
<b>70% Exceedance</b>	304	303	421	494	465	390	344	334	320	279	289	292
<b>80% Exceedance</b>	298	299	392	471	432	366	316	320	307	267	279	285
<b>90% Exceedance</b>	286	291	337	427	364	332	284	250	287	256	265	277
<b>Full Simulation Period Average<sup>a</sup></b>	404	396	474	581	513	445	396	350	333	311	332	369
<b>Wet Water Years (32%)</b>	292	291	384	485	436	374	311	284	313	303	284	281
<b>Above Normal Years (15%)</b>	304	318	459	602	536	439	373	337	331	289	279	294
<b>Below Normal Years (17%)</b>	479	452	481	612	515	460	425	367	330	282	328	442
<b>Dry Water Years (22%)</b>	479	482	535	623	555	509	480	400	332	302	387	426
<b>Critical Water Years (15%)</b>	551	509	585	666	593	492	444	408	383	396	411	465

**Table 6B1-19-4c. Victoria Canal, Alternative 3 051722 minus No Action Alternative 051422, Monthly EC (UMHOS/CM)**

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>10% Exceedance</b>	-15	-9	-1	-3	2	0	2	0	0	-1	-3	-2
<b>20% Exceedance</b>	-6	-8	23	2	2	3	0	-2	-1	-3	-3	-13
<b>30% Exceedance</b>	-15	-3	6	19	-4	1	0	-1	0	0	2	-9
<b>40% Exceedance</b>	-14	-17	4	4	2	0	-1	-1	0	-1	0	-2
<b>50% Exceedance</b>	-5	-14	-5	4	0	2	-1	0	-1	-1	-3	-1
<b>60% Exceedance</b>	0	-3	-7	-5	0	0	0	-1	-2	1	-1	-5
<b>70% Exceedance</b>	-2	-2	-1	-9	0	0	-3	0	-1	0	0	-2
<b>80% Exceedance</b>	-1	1	-4	0	0	-1	-4	0	0	0	0	-3
<b>90% Exceedance</b>	-5	1	5	1	-9	0	4	7	0	0	-1	-2
<b>Full Simulation Period Average<sup>a</sup></b>	-6	-3	-1	1	0	0	-1	-1	-1	-1	-1	-4
<b>Wet Water Years (32%)</b>	-2	0	1	2	0	0	1	0	0	0	0	-2
<b>Above Normal Years (15%)</b>	-2	2	-9	6	-1	0	-3	0	0	0	-1	-3
<b>Below Normal Years (17%)</b>	-11	2	-8	-4	-1	1	0	0	0	0	-3	-6
<b>Dry Water Years (22%)</b>	-11	-12	7	0	1	1	0	-3	-2	-1	4	-2
<b>Critical Water Years (15%)</b>	-7	-9	-2	4	3	-2	-7	-2	0	-6	-11	-7

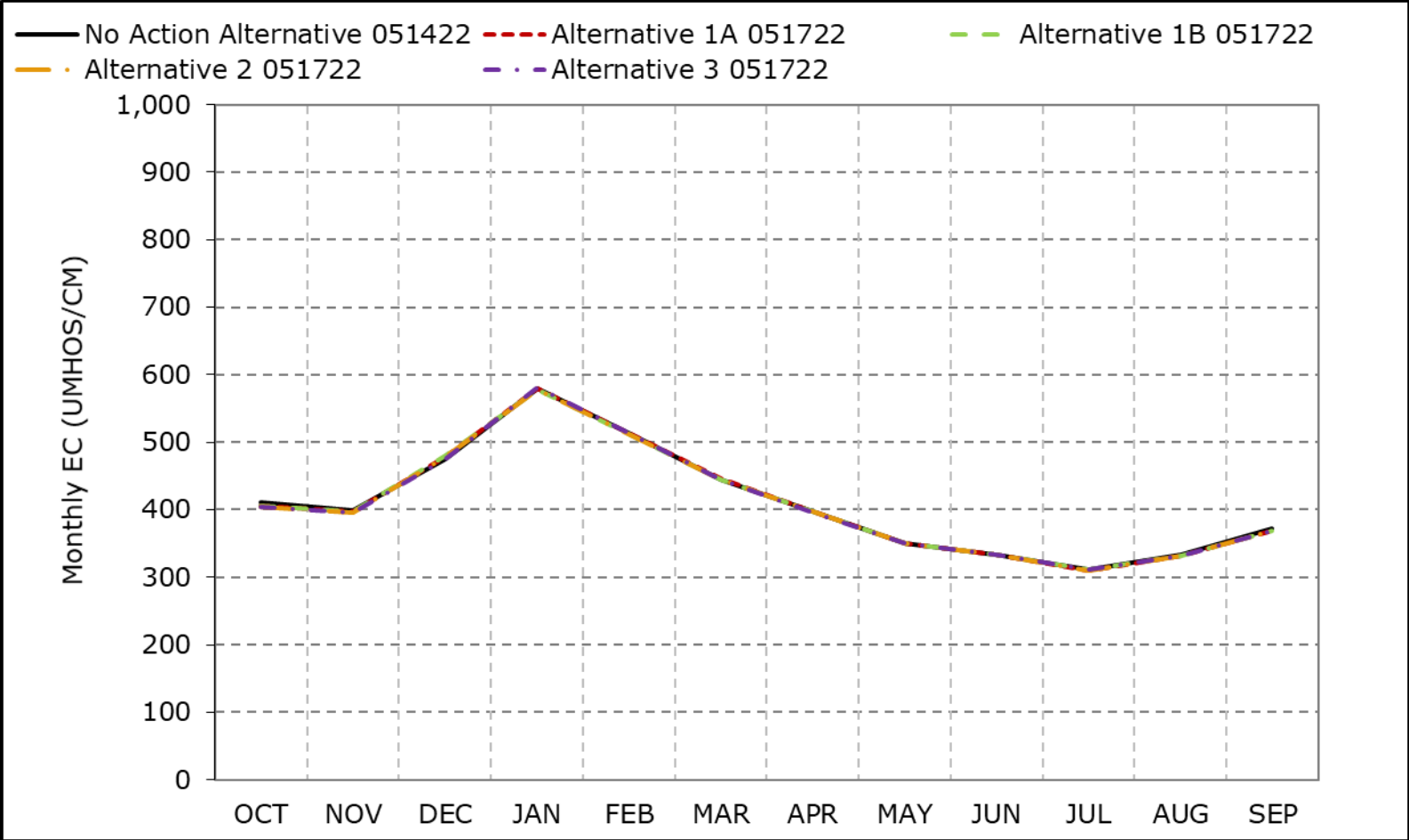
<sup>a</sup> Based on the 82-year simulation period.

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

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

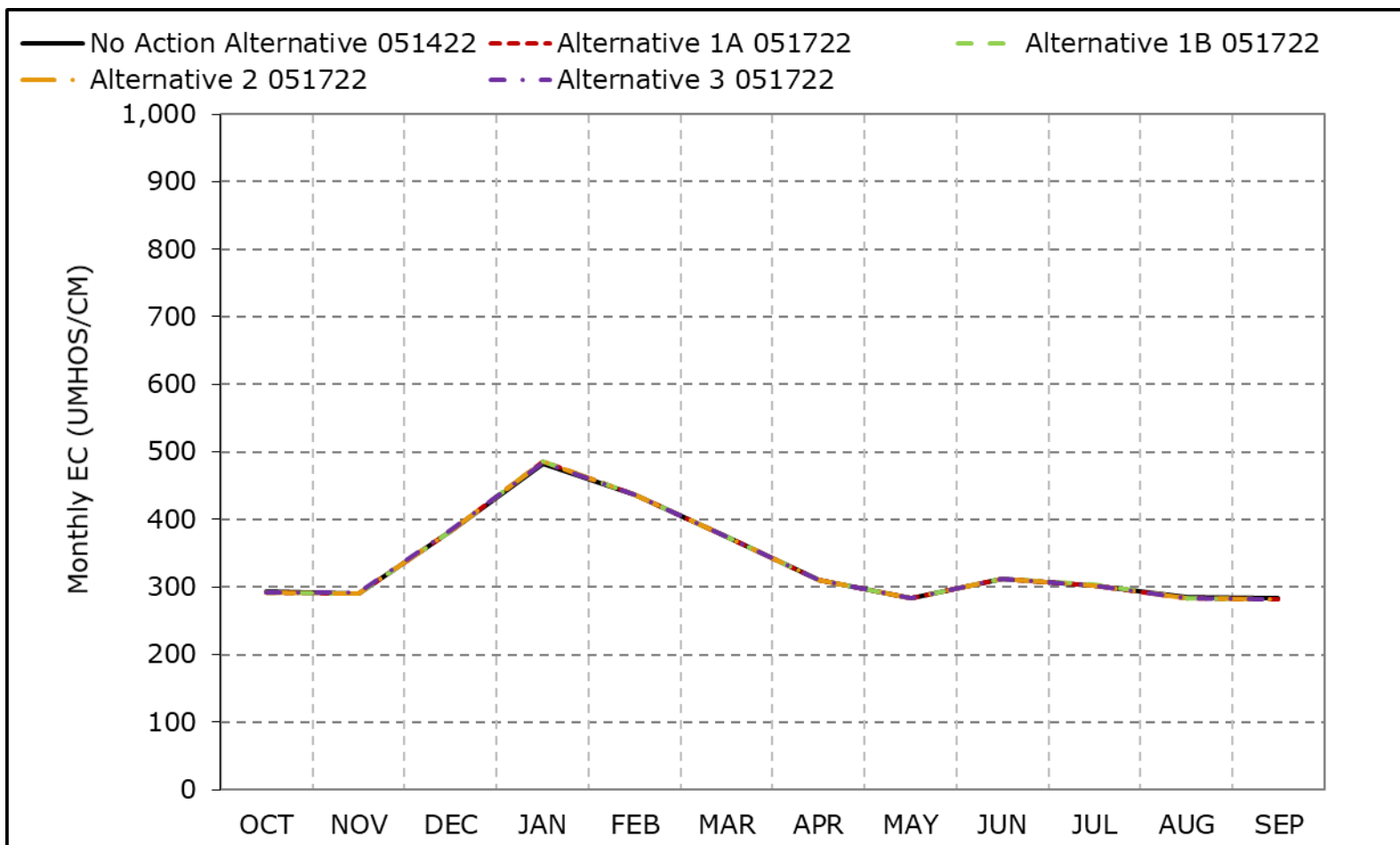
\* These results are displayed with calendar year - year type sorting.

**Figure 6B1-19-1. 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 calendar year - year type sorting.
- \*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-19-2. Victoria Canal, Wet Year Average EC**

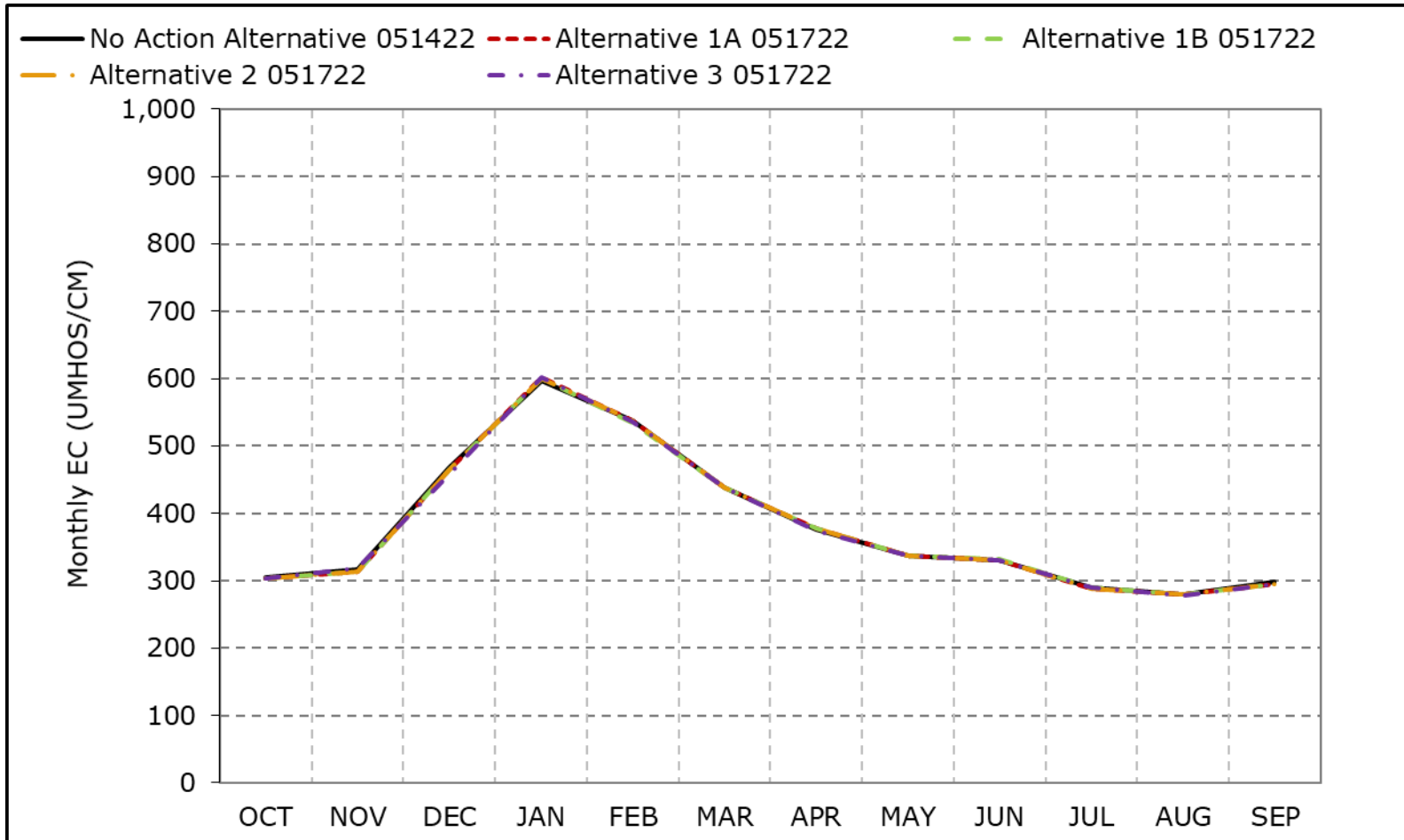


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-19-3. Victoria Canal, Above Normal Year Average EC**

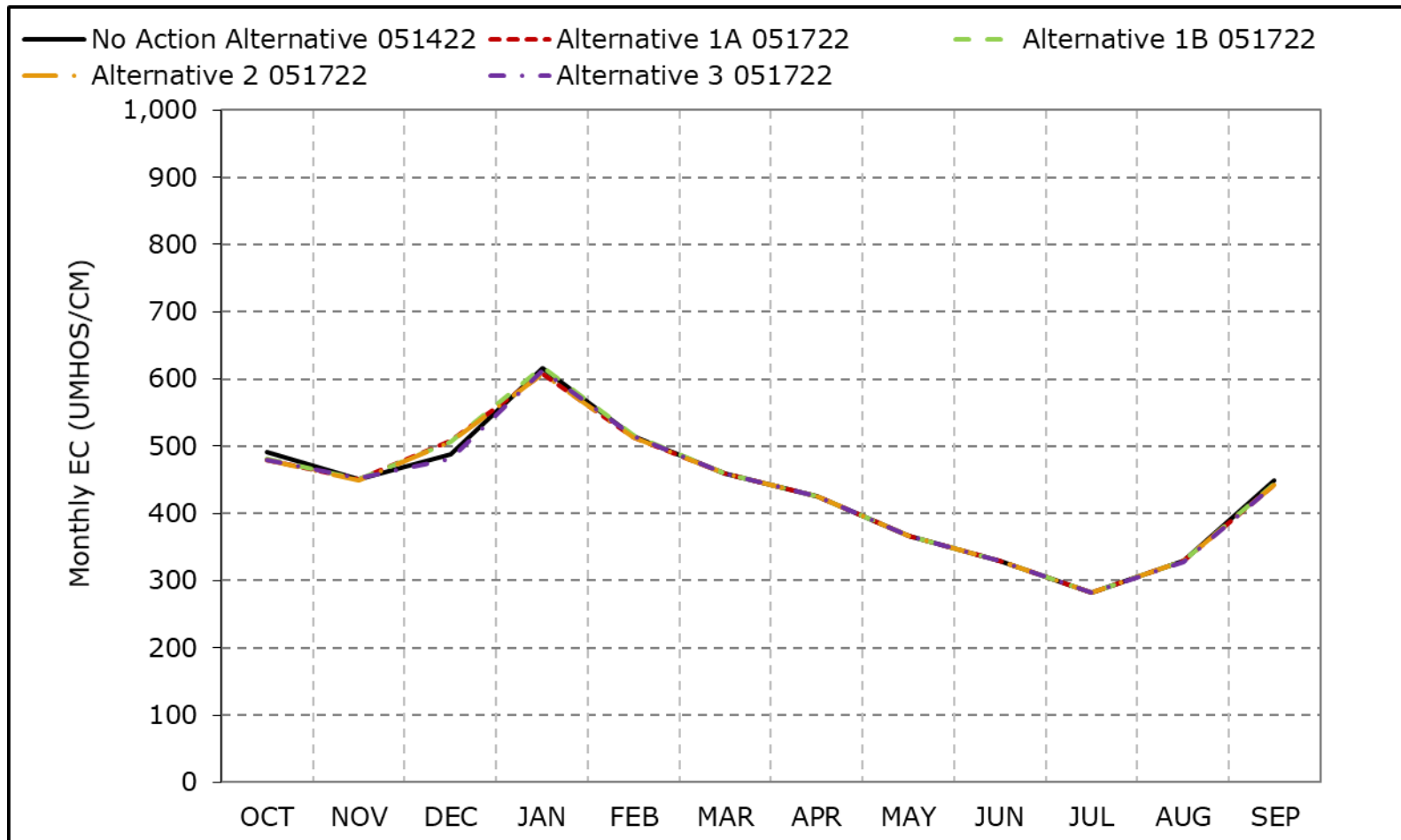


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-19-4. Victoria Canal, Below Normal Year Average EC**

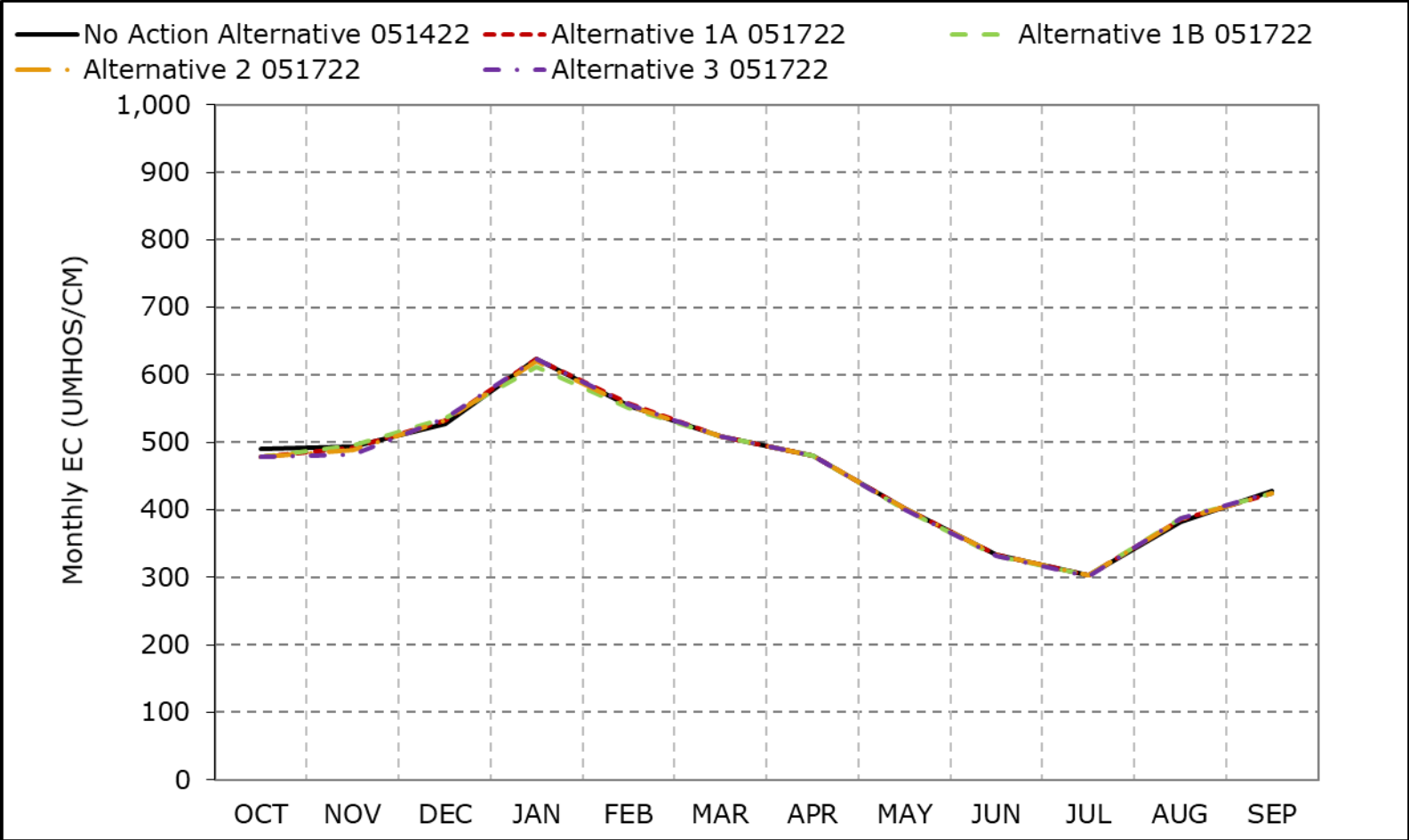


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

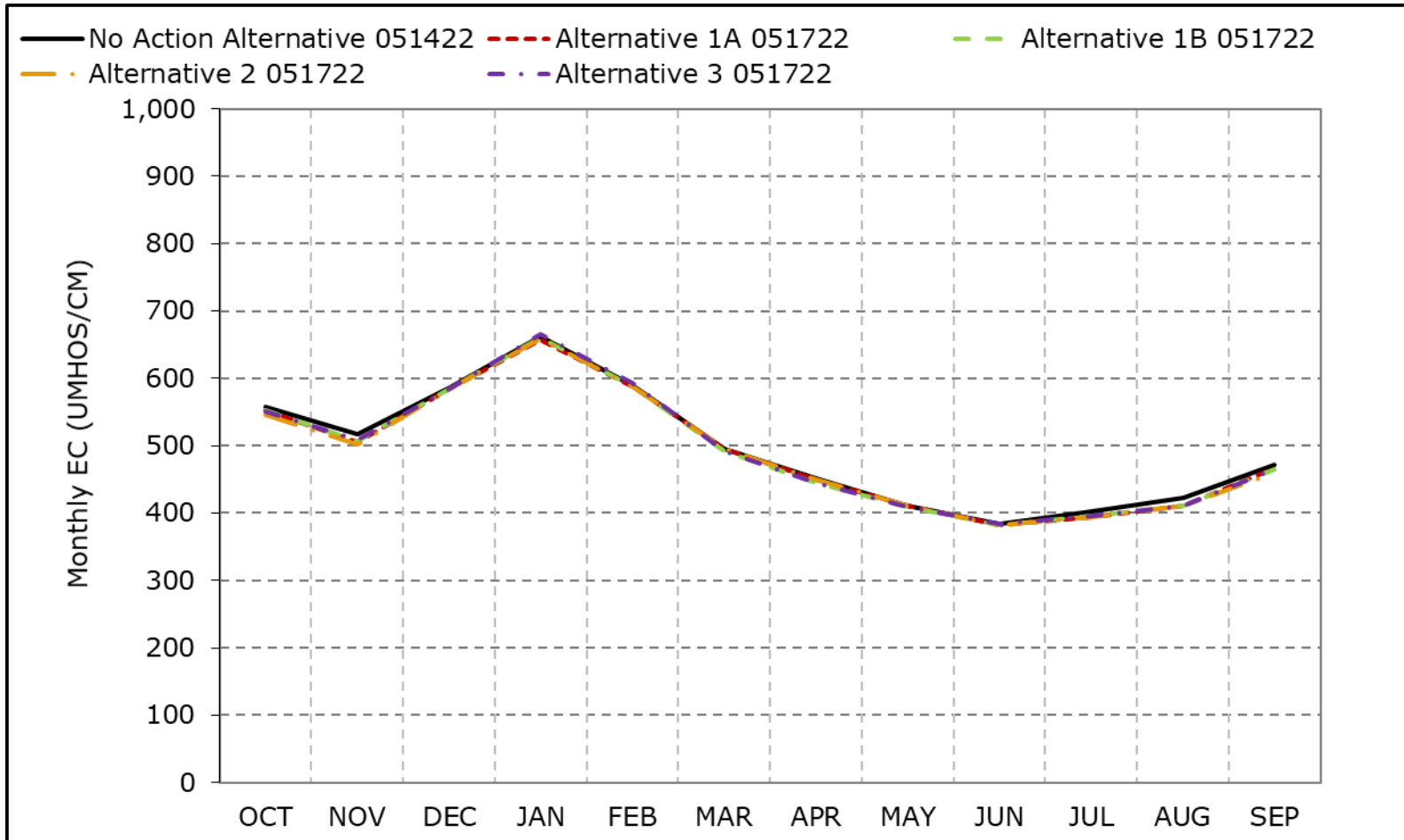
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-19-5. 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 calendar year - year type sorting.  
 \*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-19-6. Victoria Canal, Critical Year Average EC**



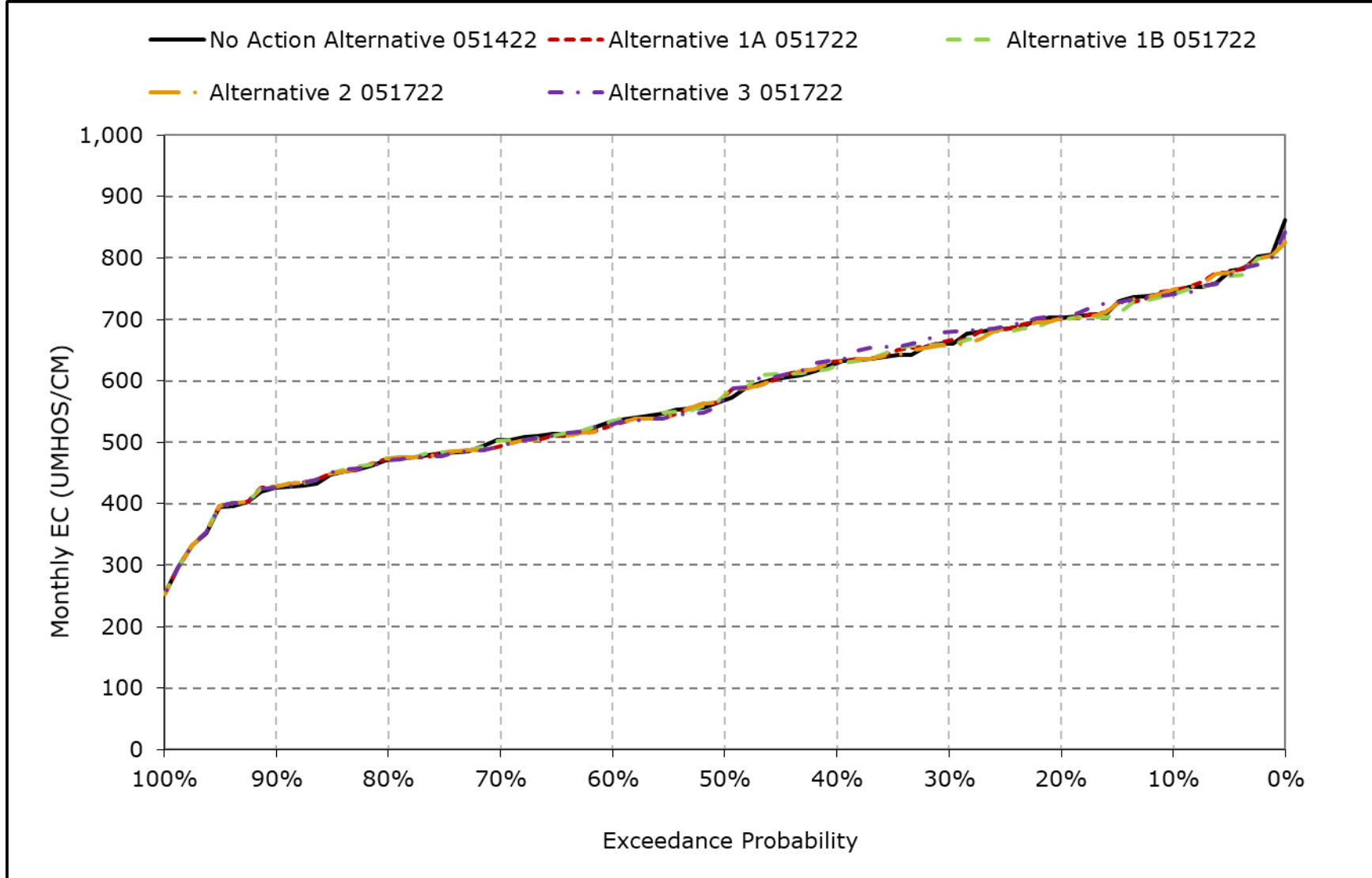
\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

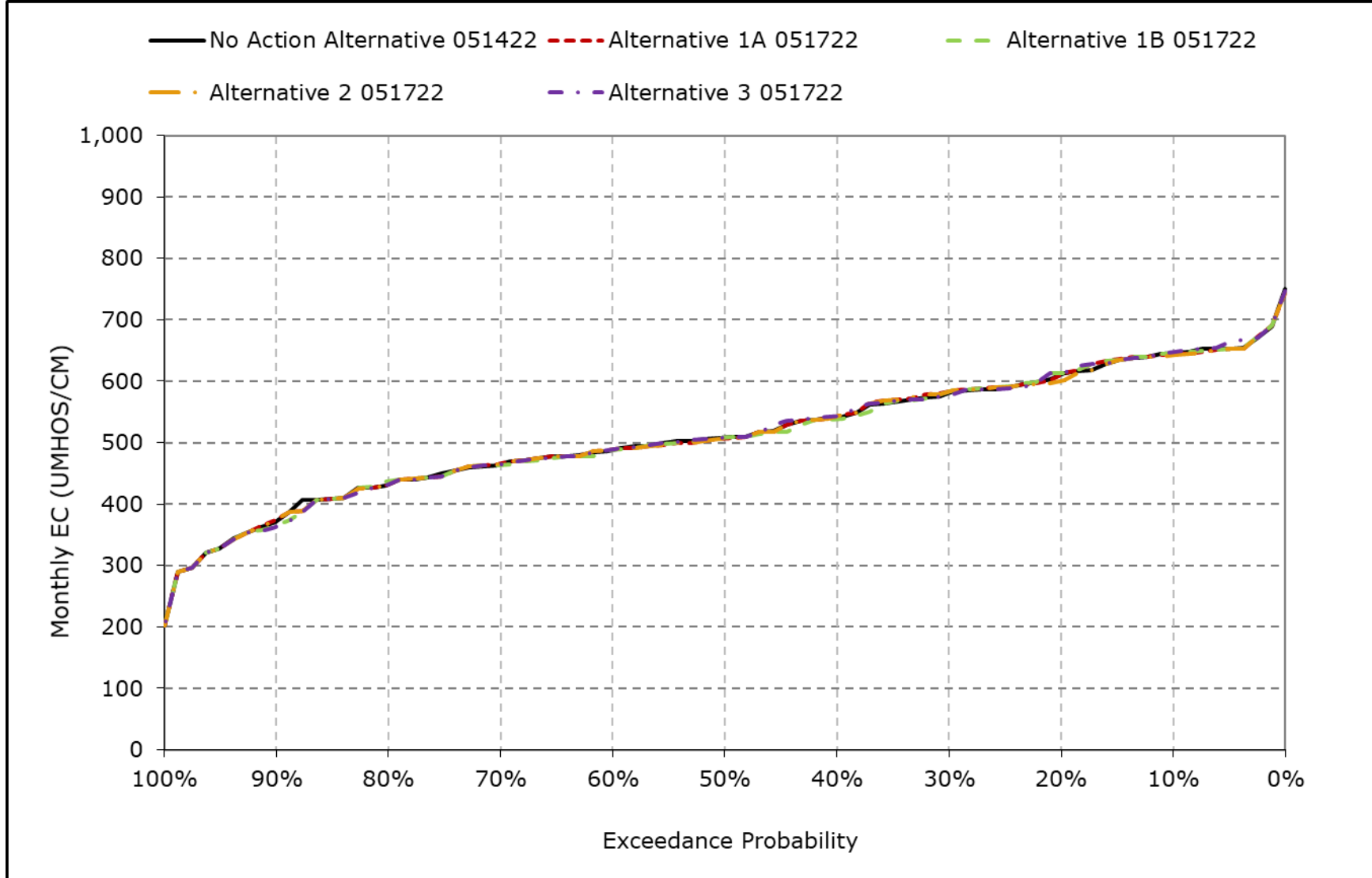


**Figure 6B1-19-7. Victoria Canal, January EC**



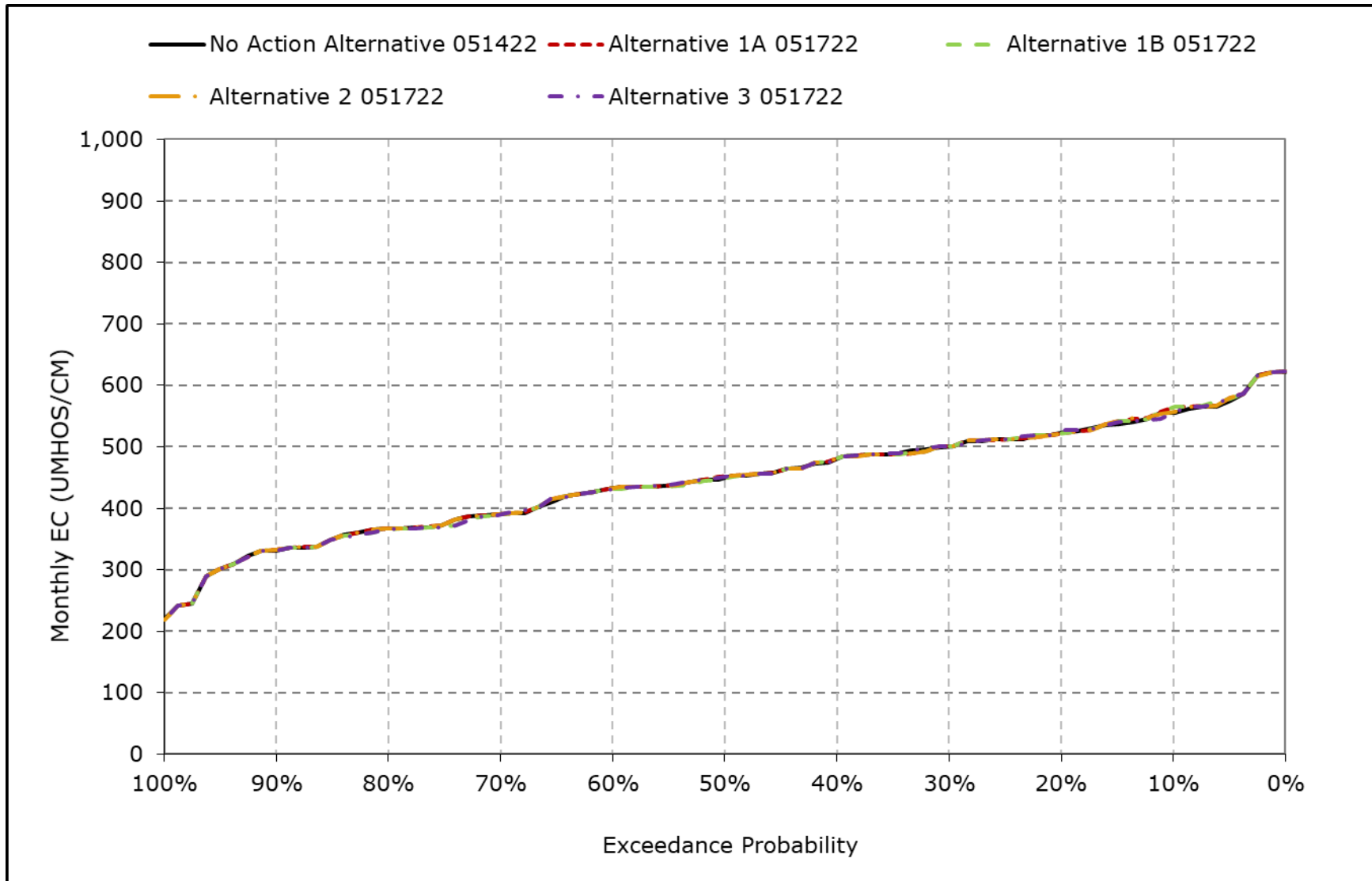
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-19-8. Victoria Canal, February EC**



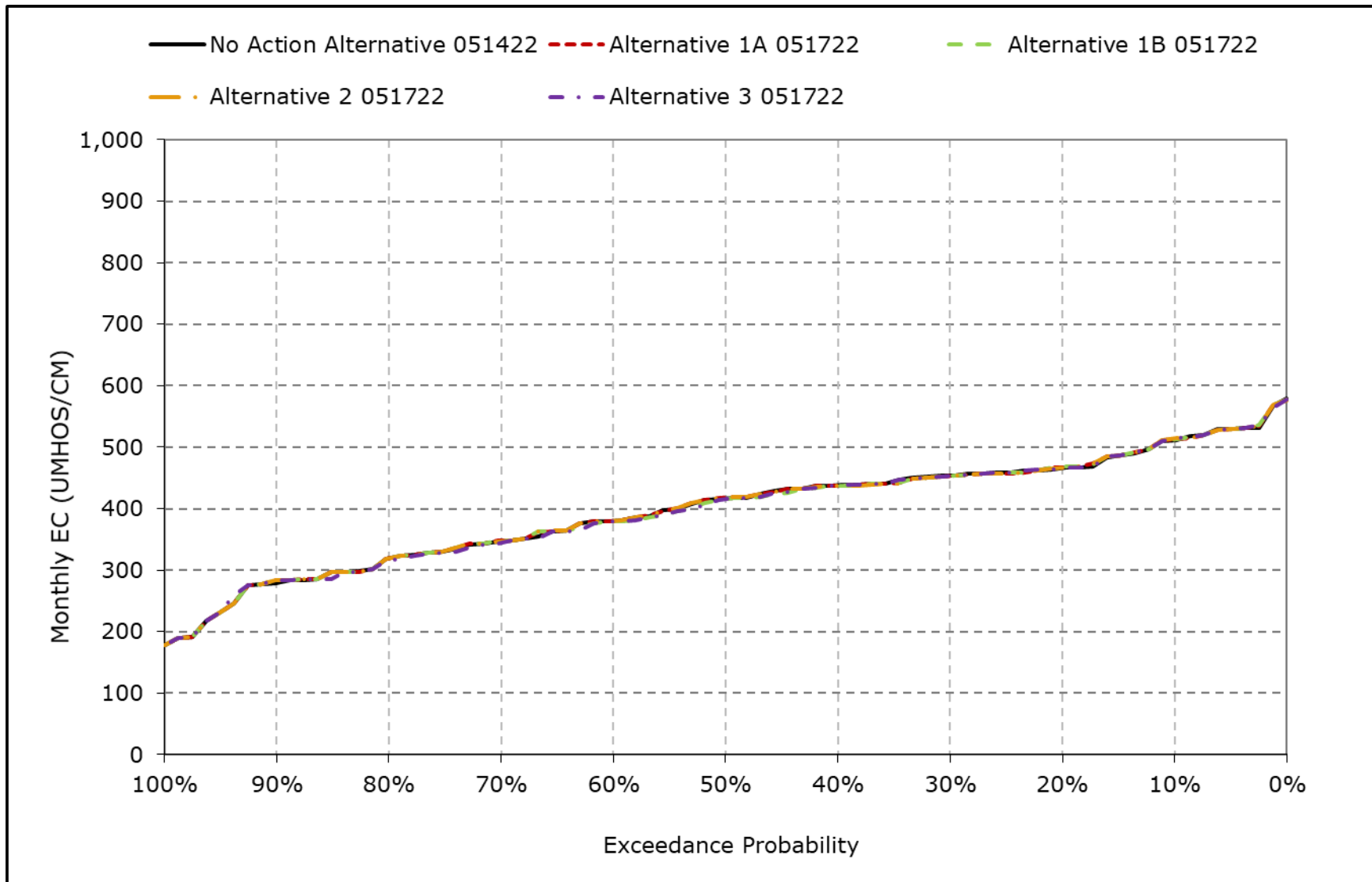
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-19-9. Victoria Canal, March EC**



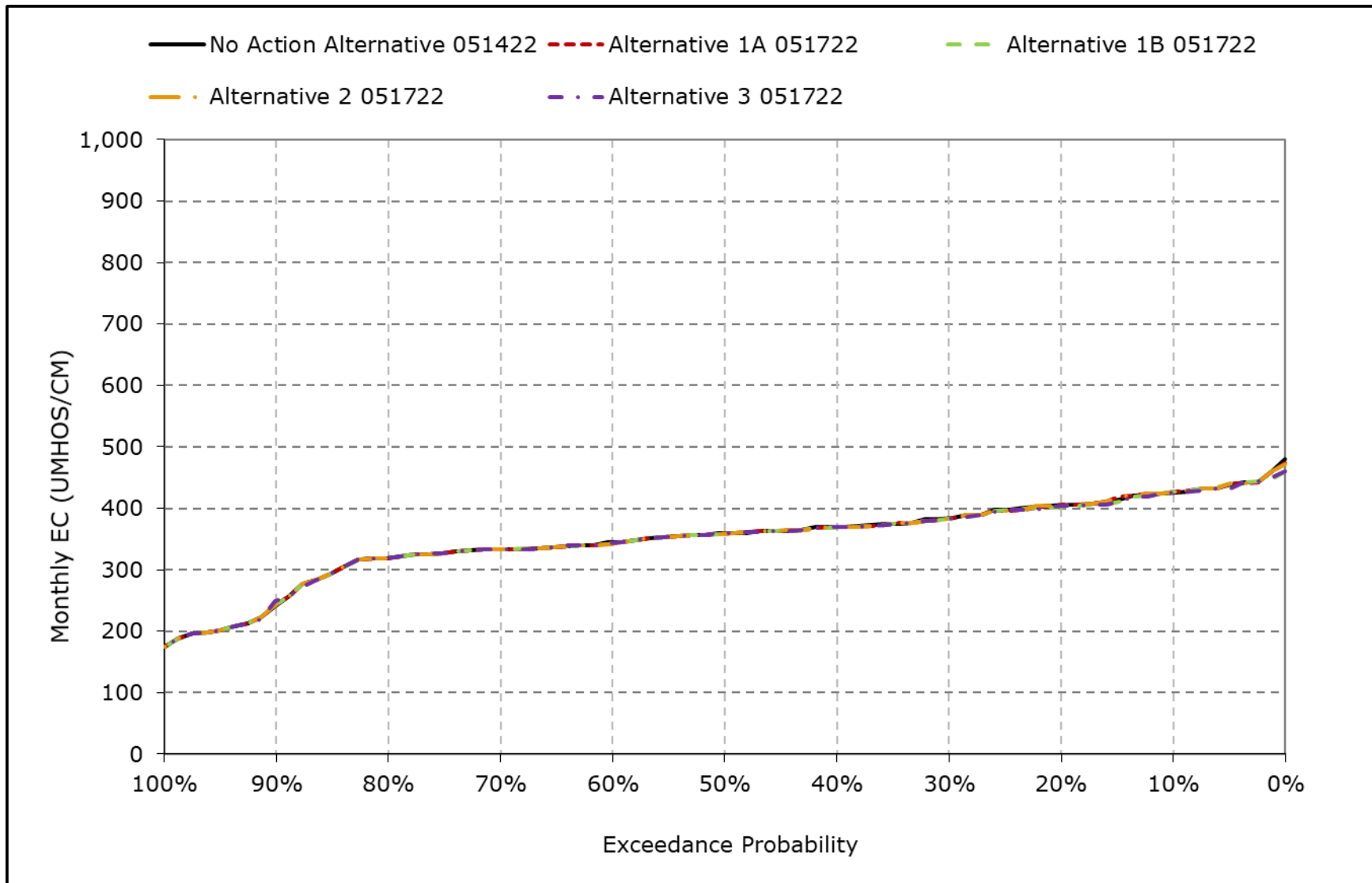
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-19-10. Victoria Canal, April EC**



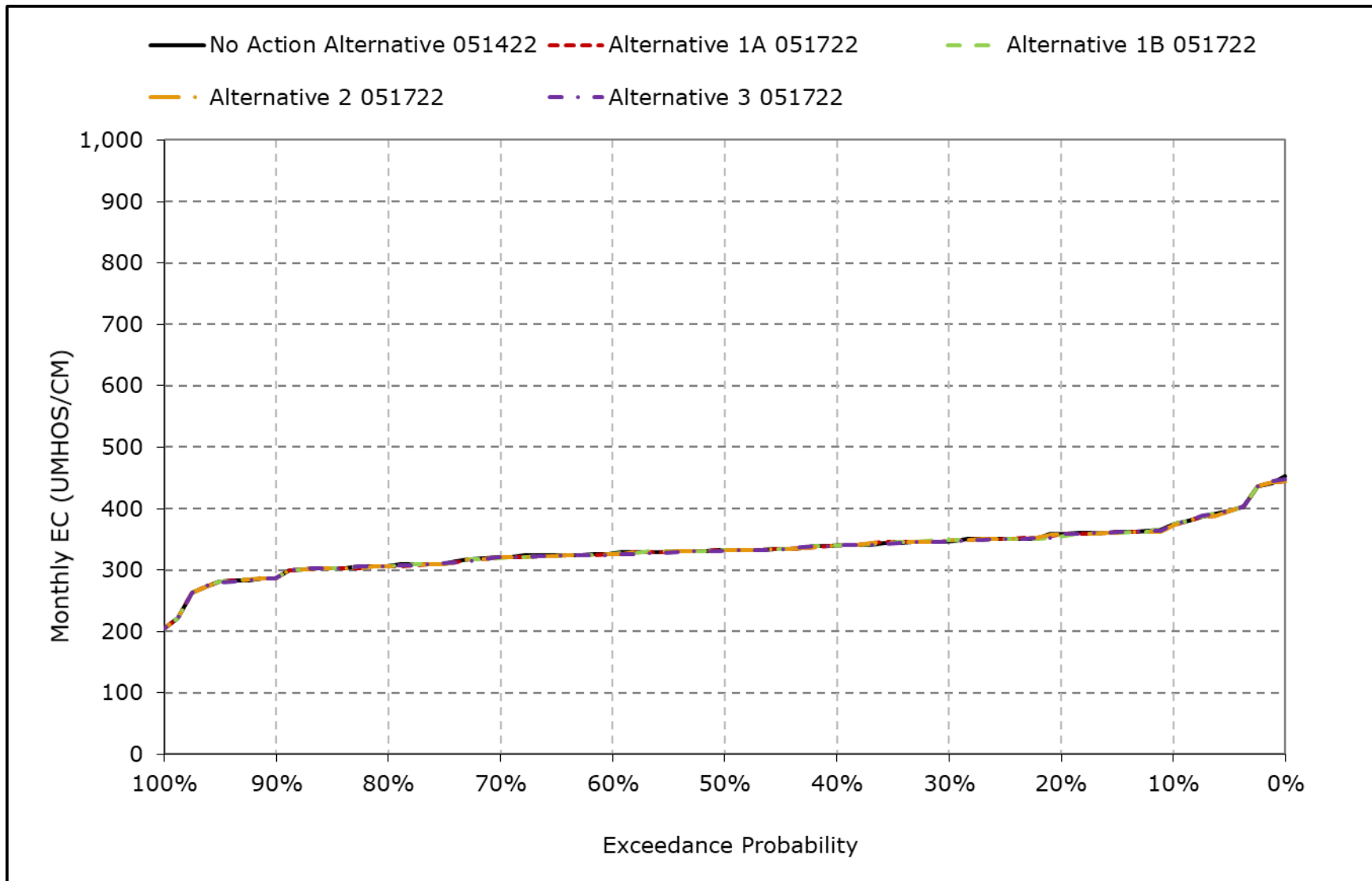
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-19-11. Victoria Canal, May EC**



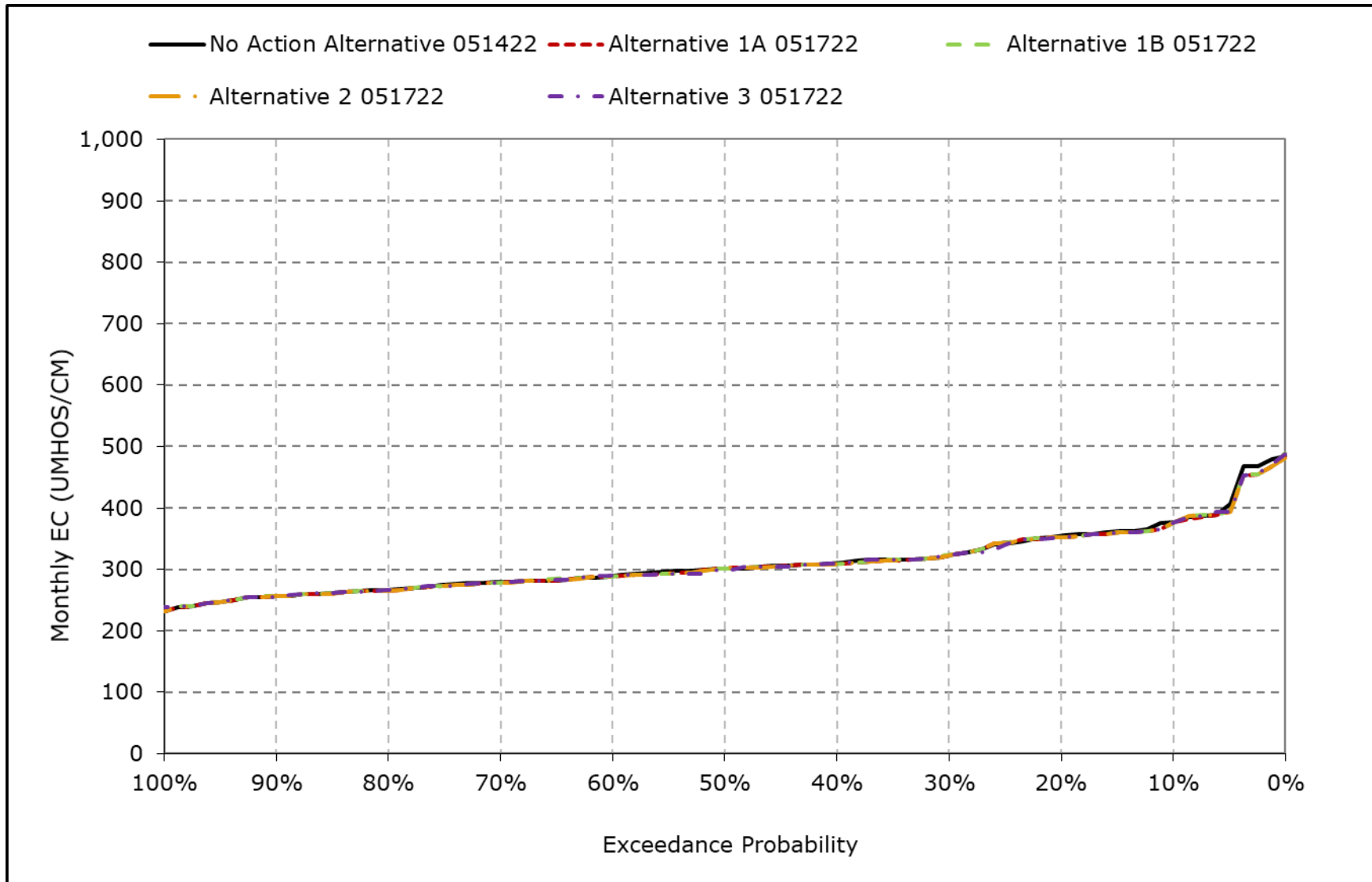
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-19-12. Victoria Canal, June EC**



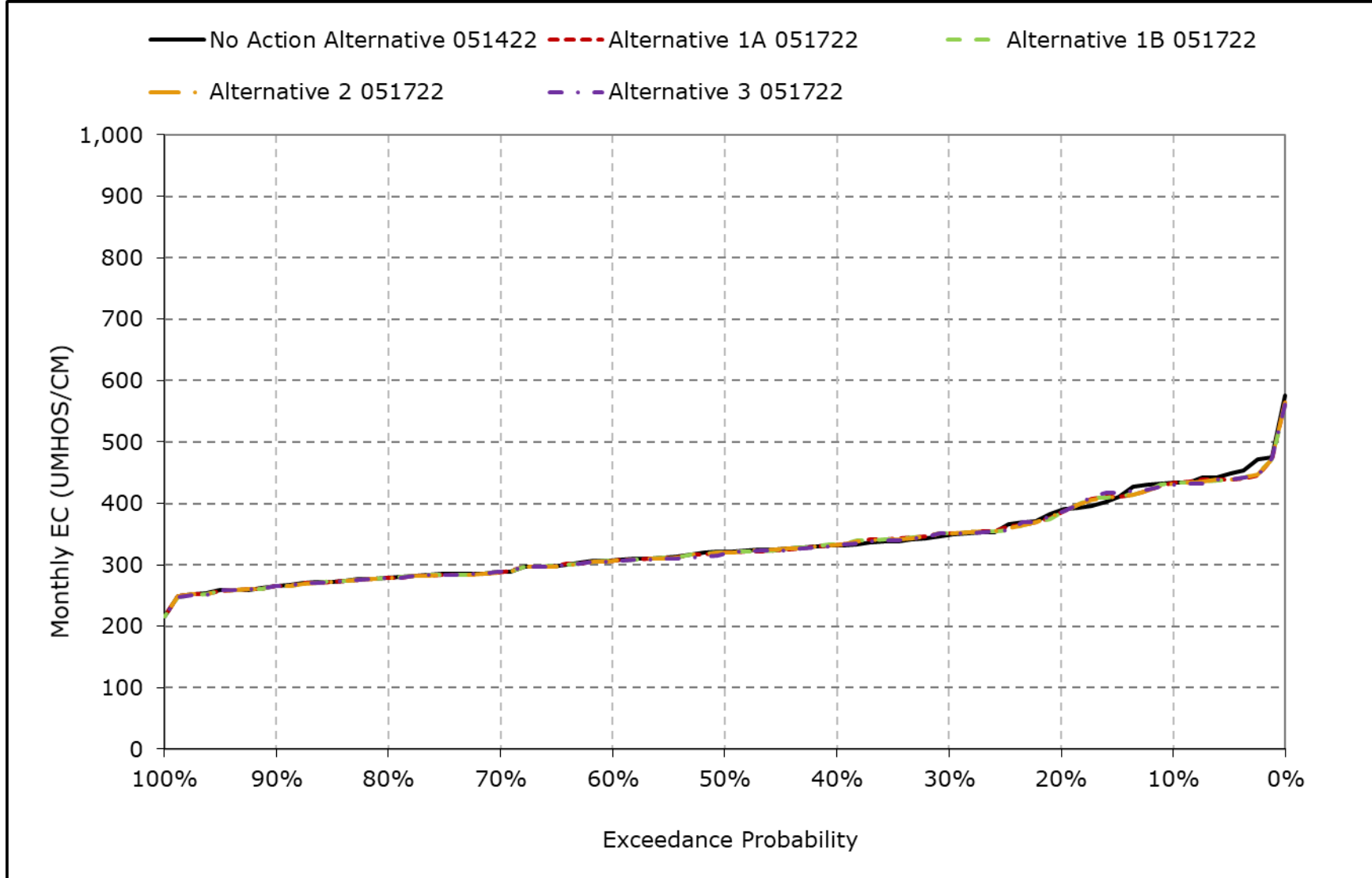
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-19-13. Victoria Canal, July EC**



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

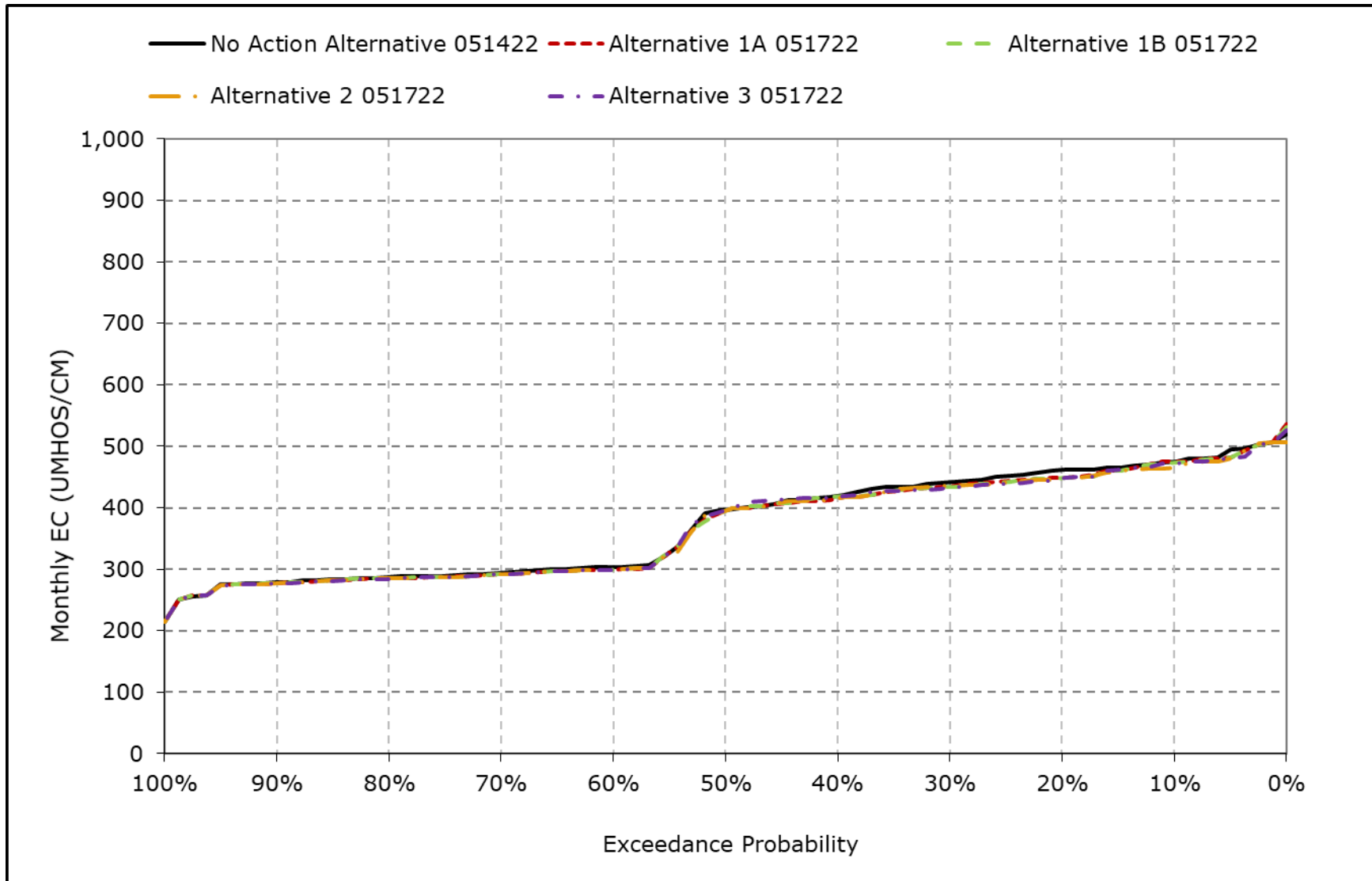
**Figure 6B1-19-14. Victoria Canal, August EC**



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

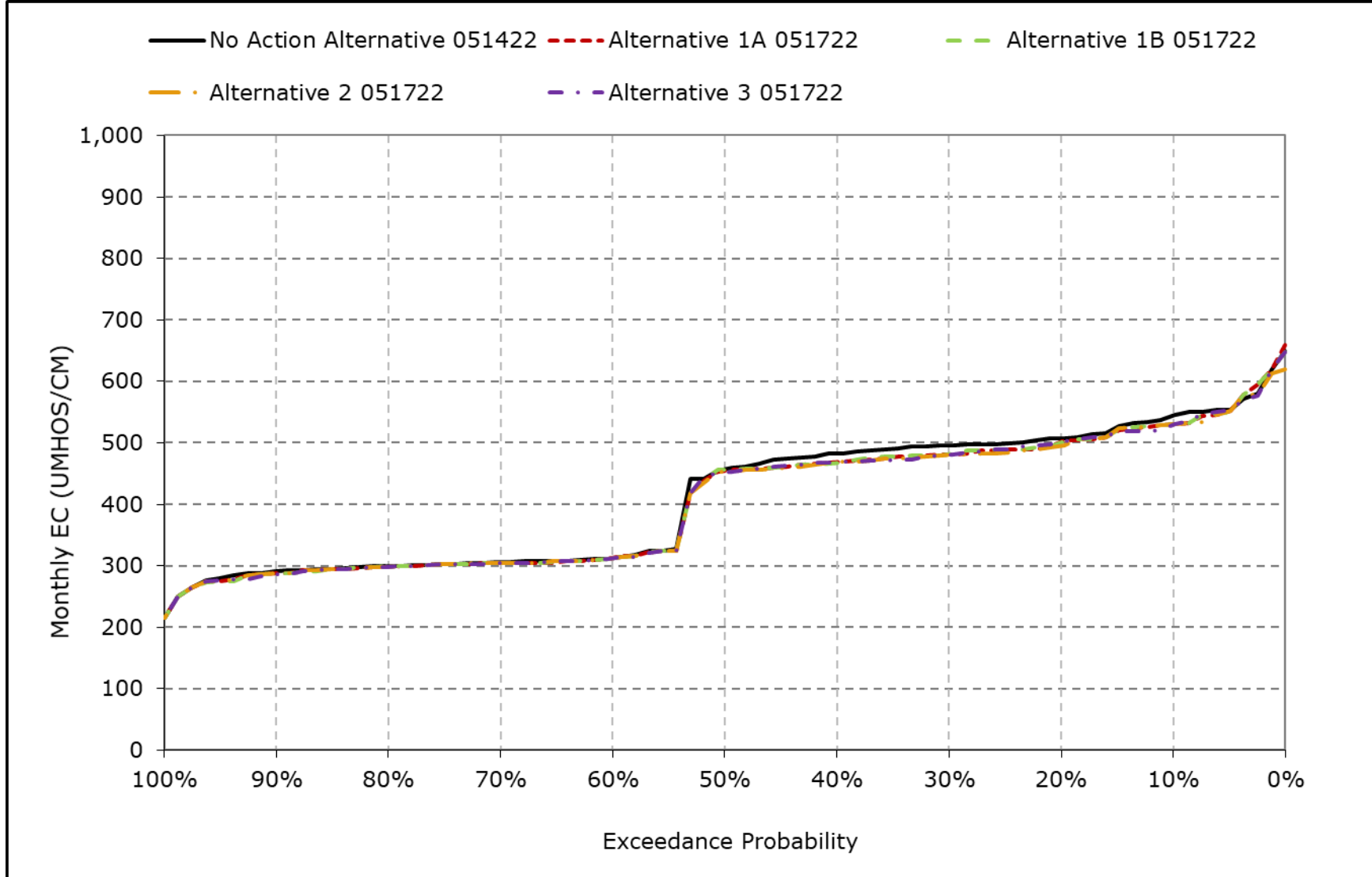


**Figure 6B1-19-15. Victoria Canal, September EC**



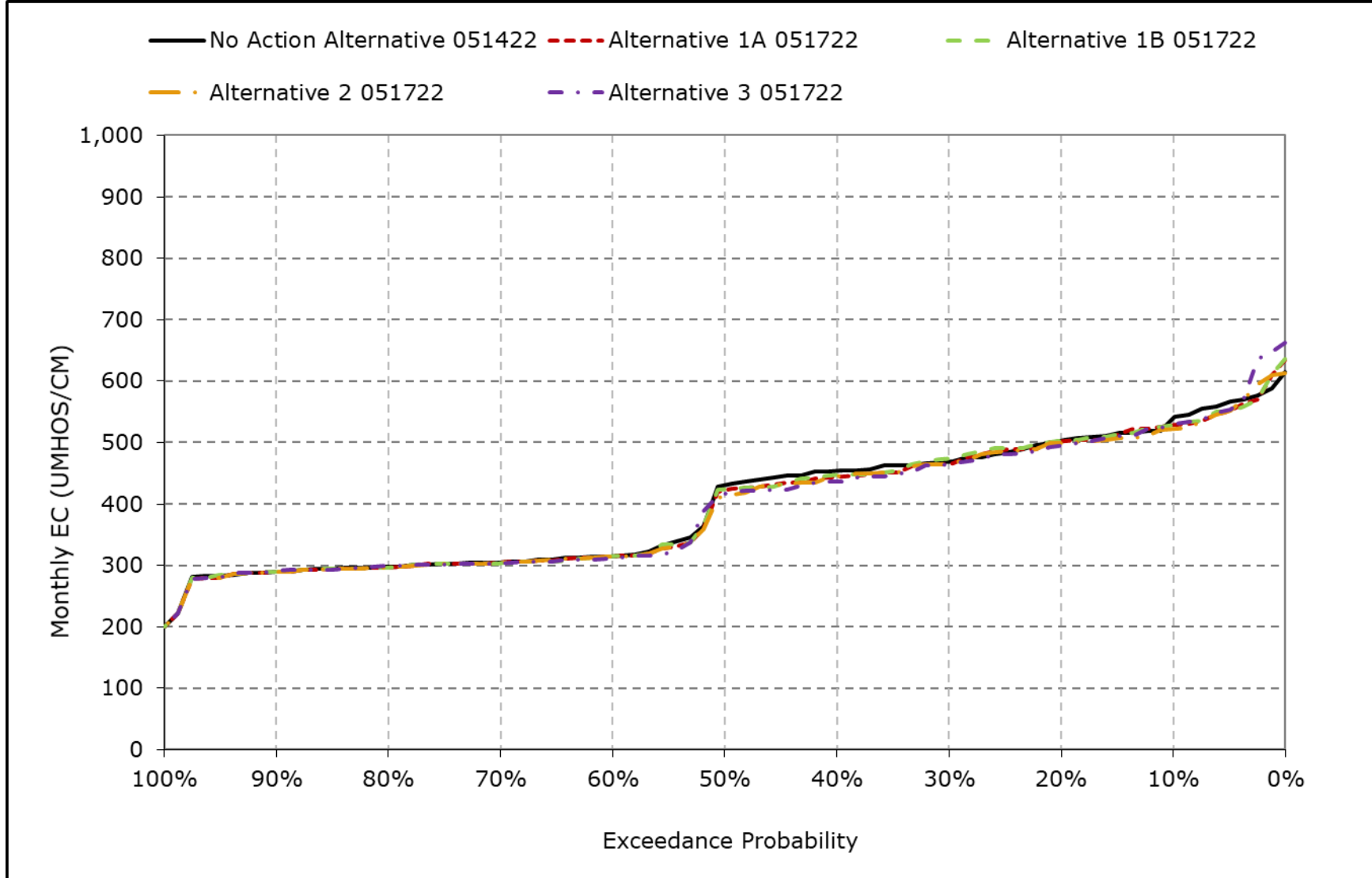
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-19-16. Victoria Canal, October EC**



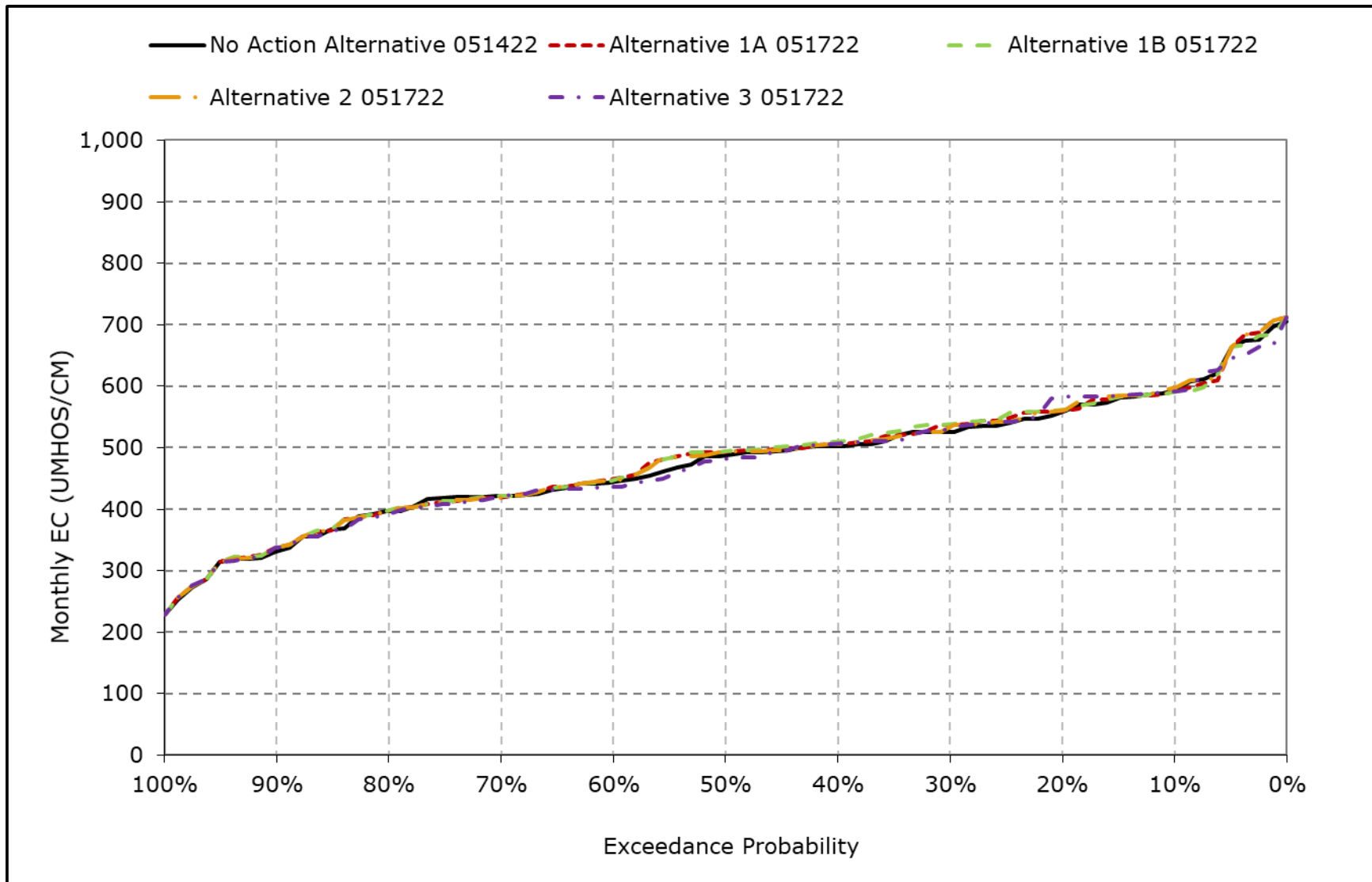
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-19-17. Victoria Canal, November EC**



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

**Figure 6B1-19-18. Victoria Canal, December EC**



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



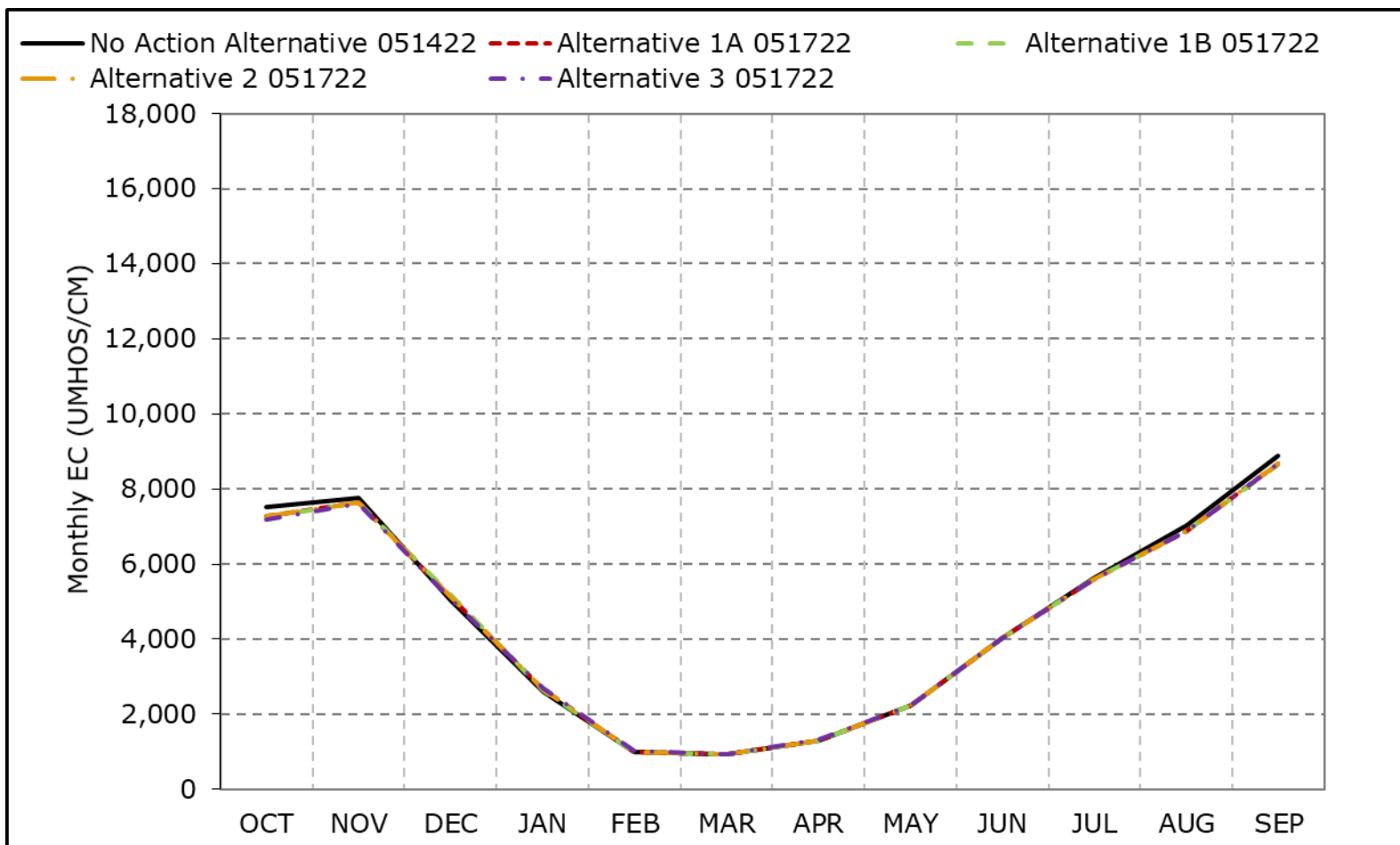








**Figure 6B1-20-1. Montezuma Slough at Beldons Landing, Long-Term Average EC**

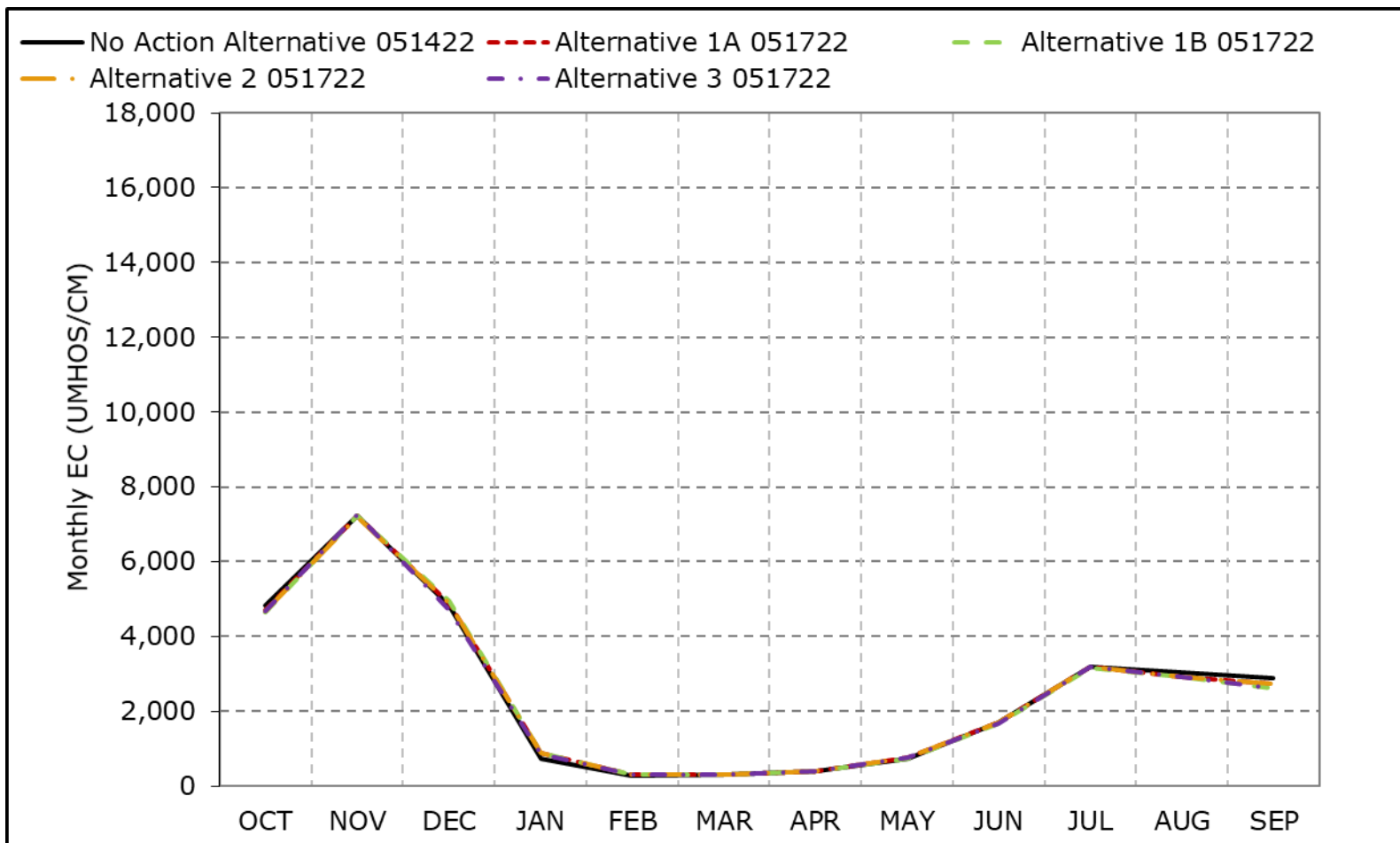


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-20-2. Montezuma Slough at Beldons Landing, Wet Year Average EC**

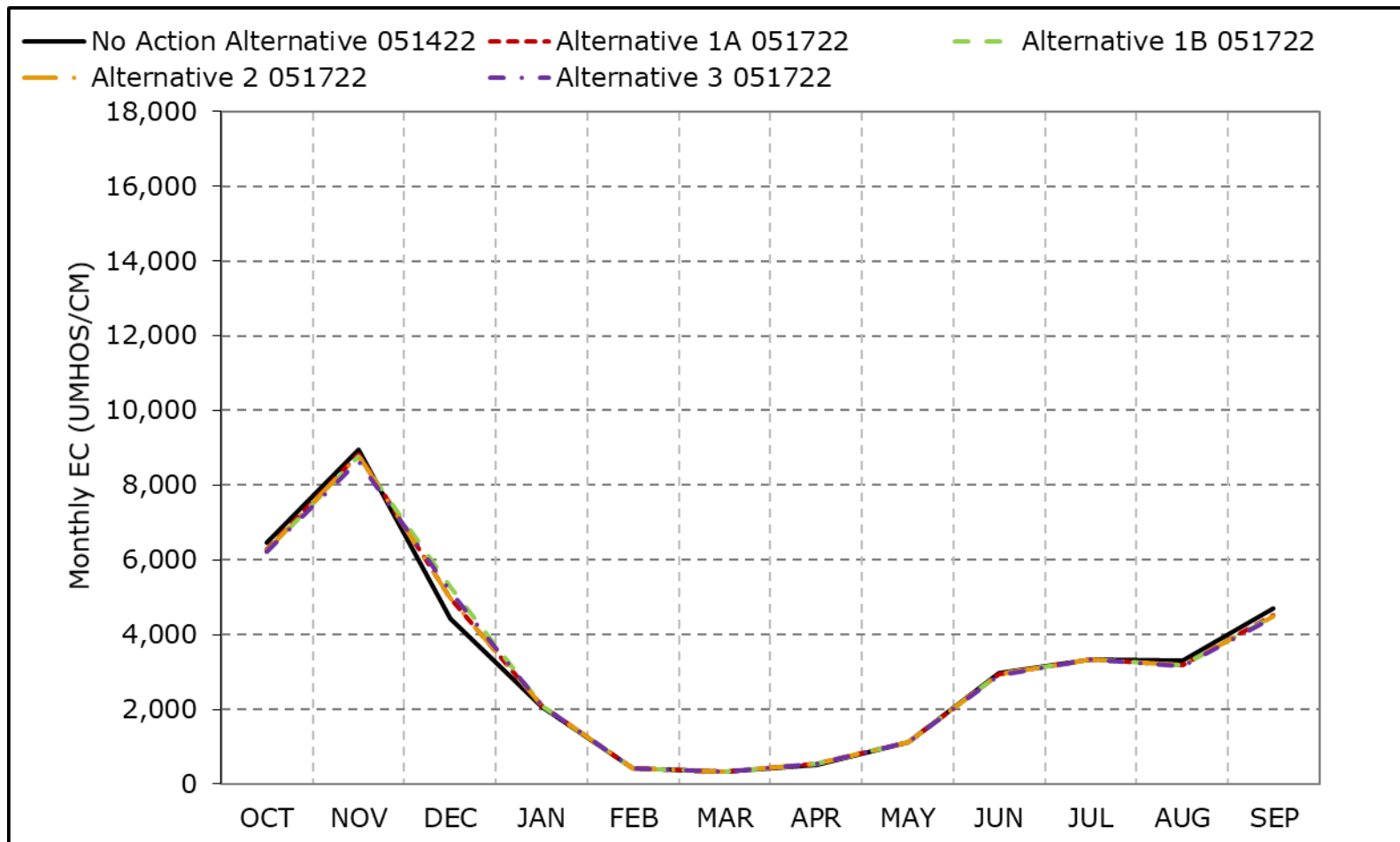


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

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

**Figure 6B1-20-3. Montezuma Slough at Beldons Landing, Above Normal Year Average EC**

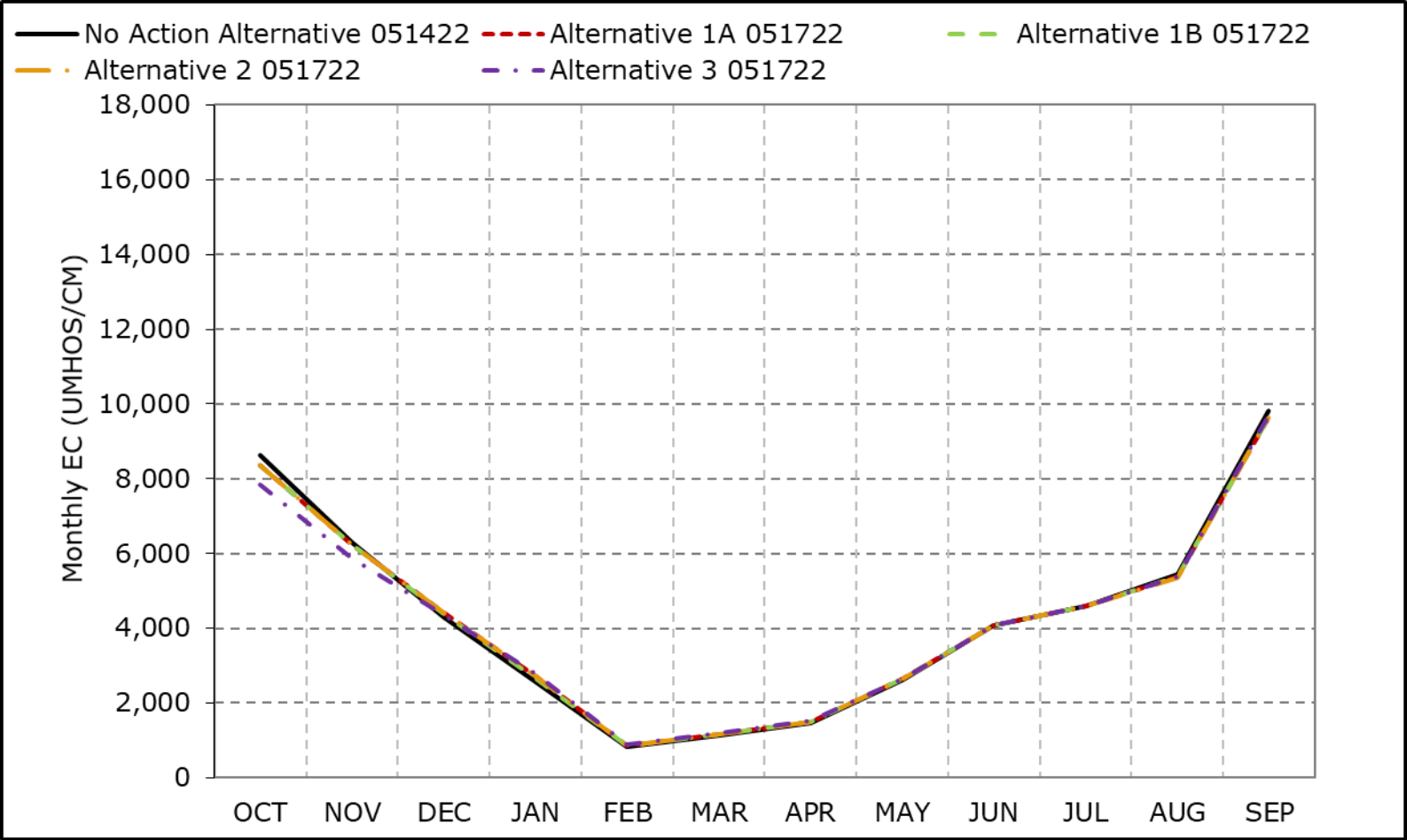


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

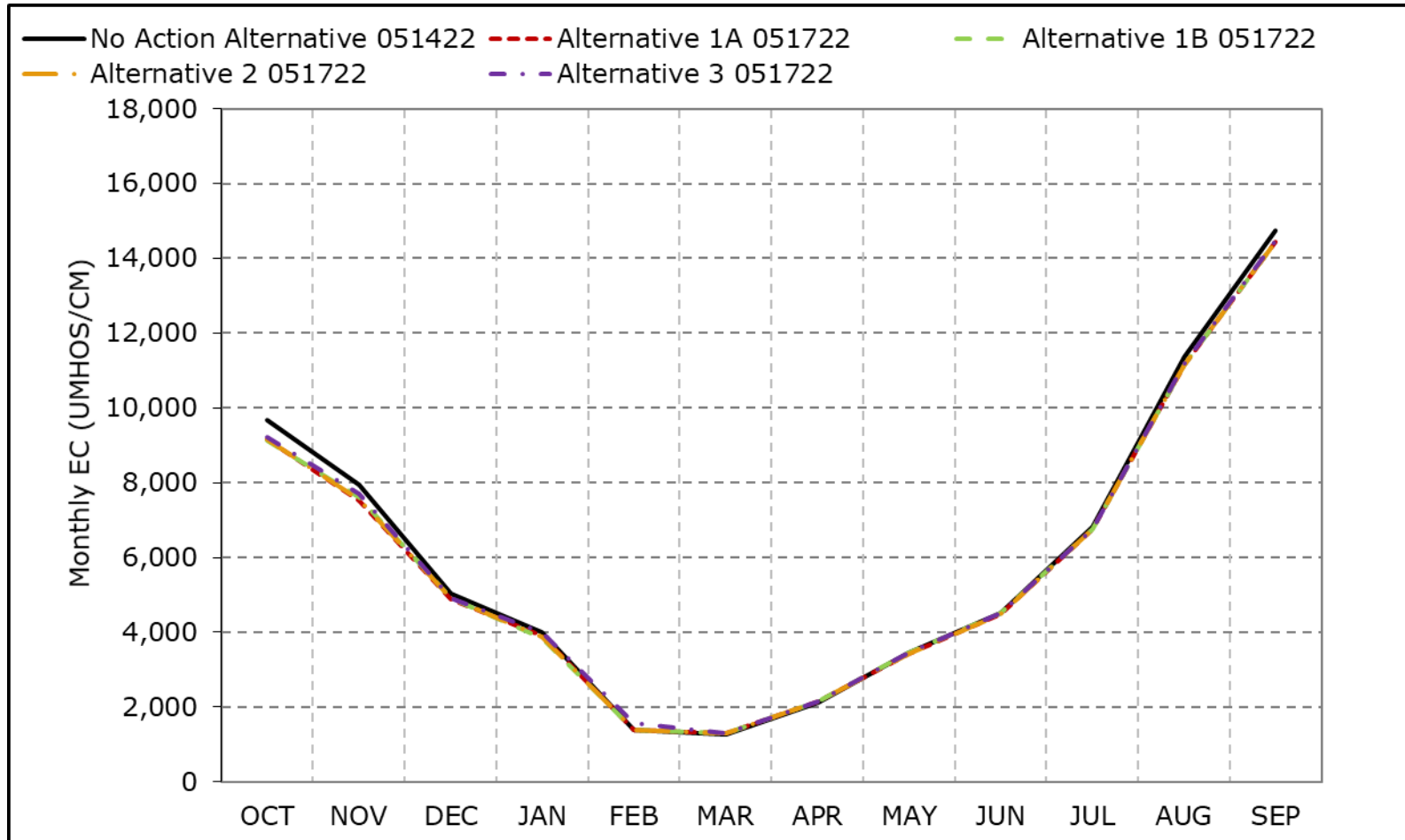
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-20-4. 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 calendar year - year type sorting.  
 \*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-20-5. Montezuma Slough at Beldons Landing, Dry Year Average EC**

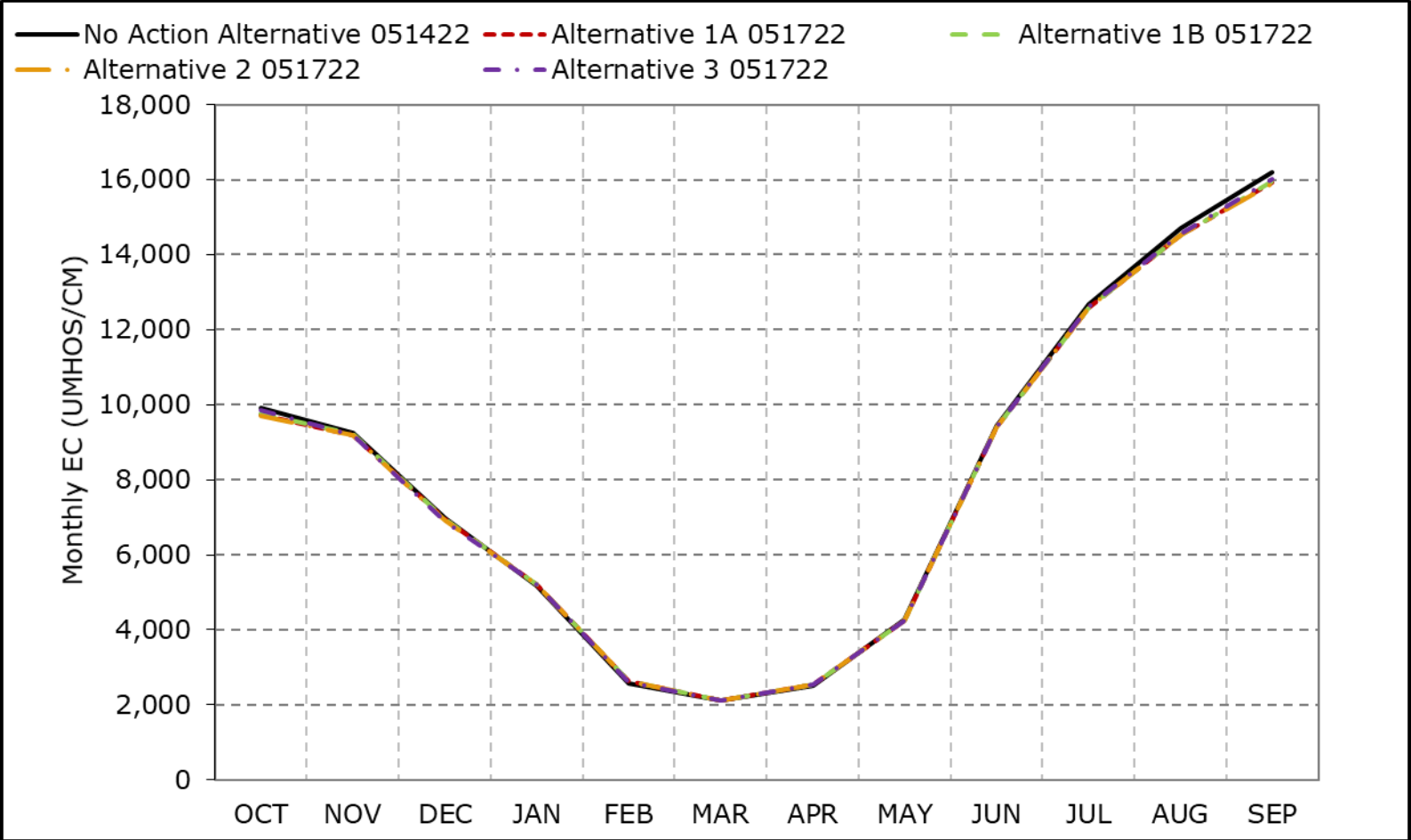


\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

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

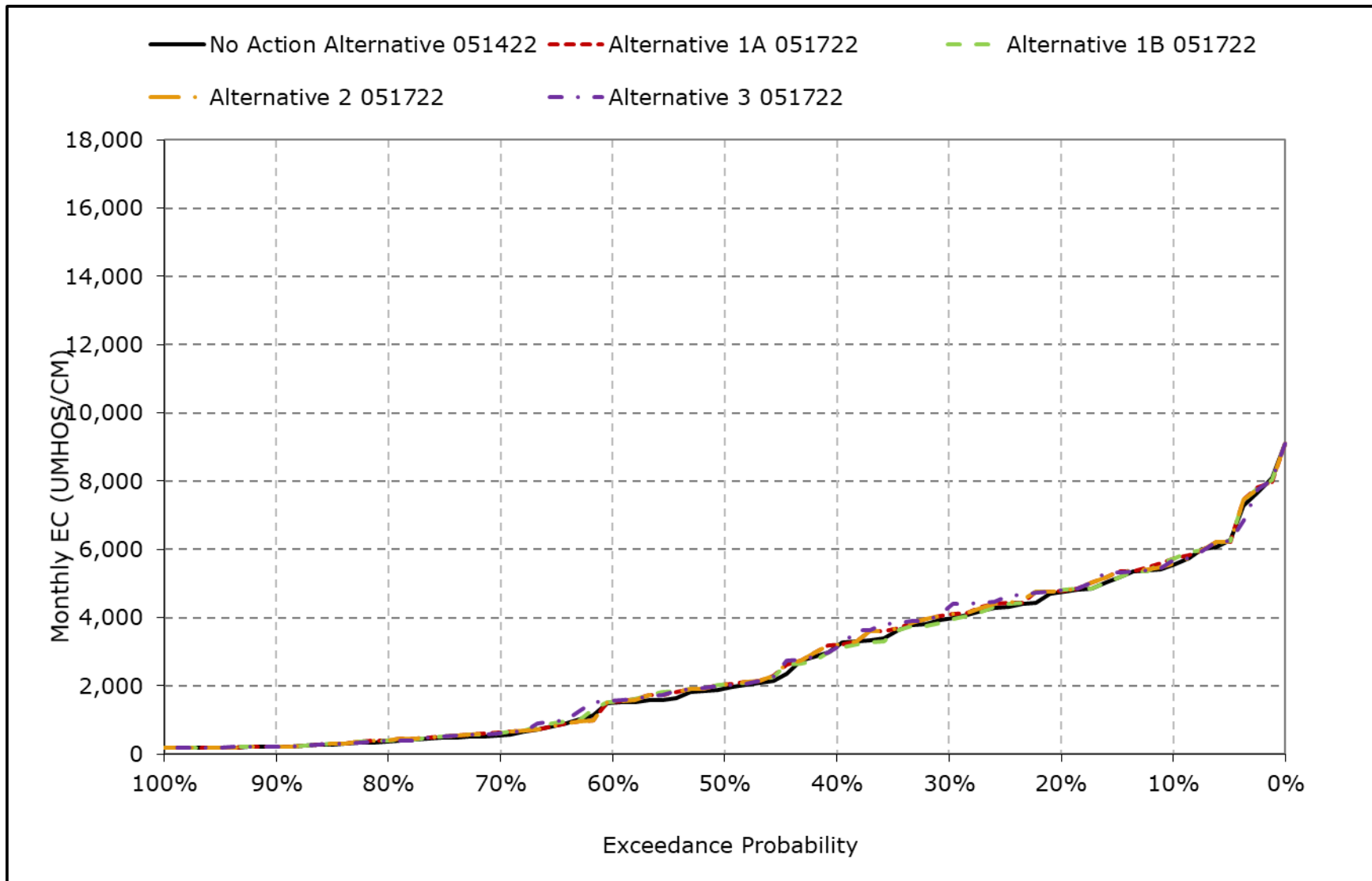
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-20-6. Montezuma Slough at Beldons Landing, Critical Year Average EC**



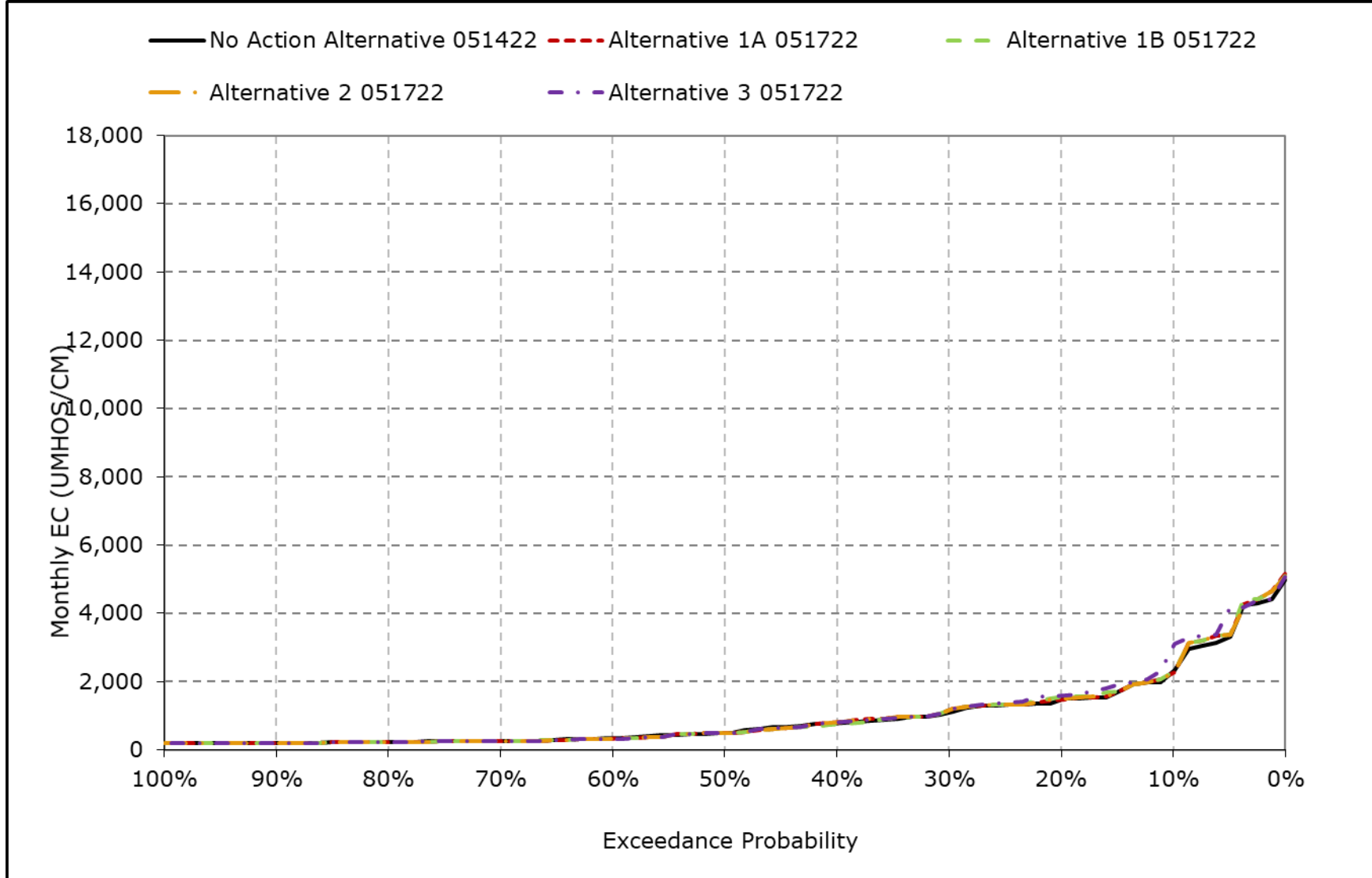
\*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).  
\*These results are displayed with calendar year - year type sorting.  
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-20-7. Montezuma Slough at Beldons Landing, January EC**



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

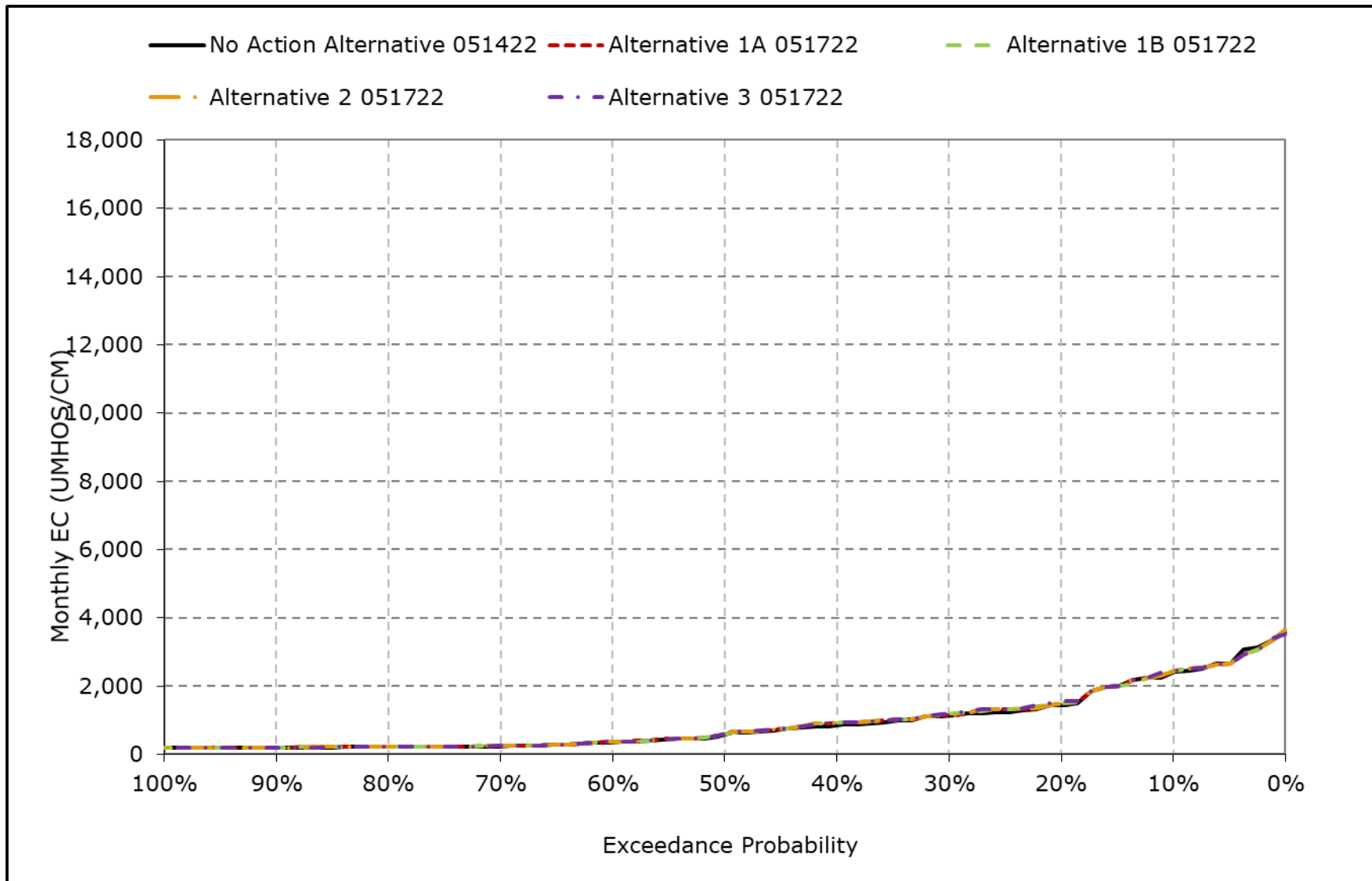
**Figure 6B1-20-8. Montezuma Slough at Beldons Landing, February EC**



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

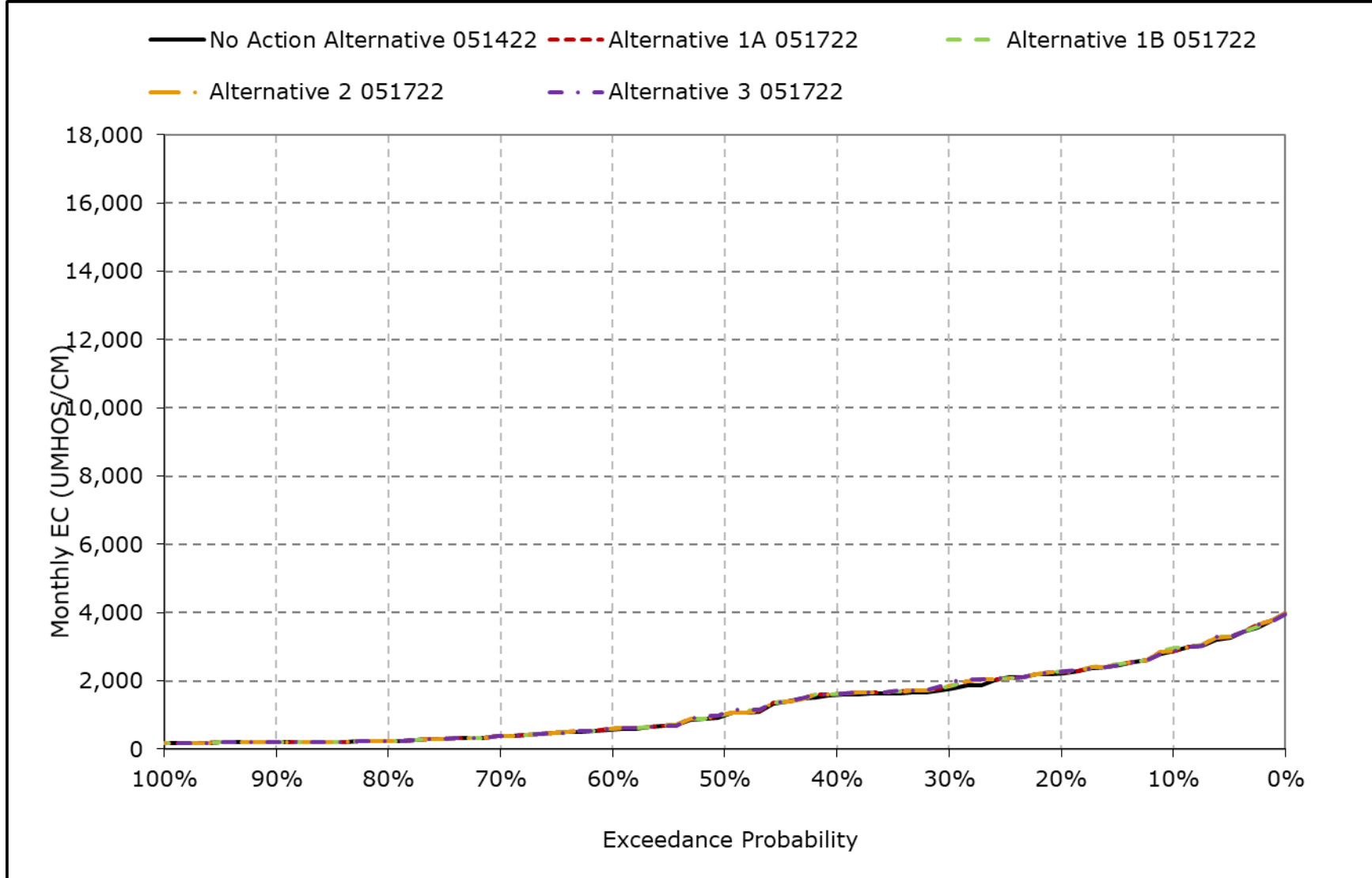


**Figure 6B1-20-9. Montezuma Slough at Beldons Landing, March EC**



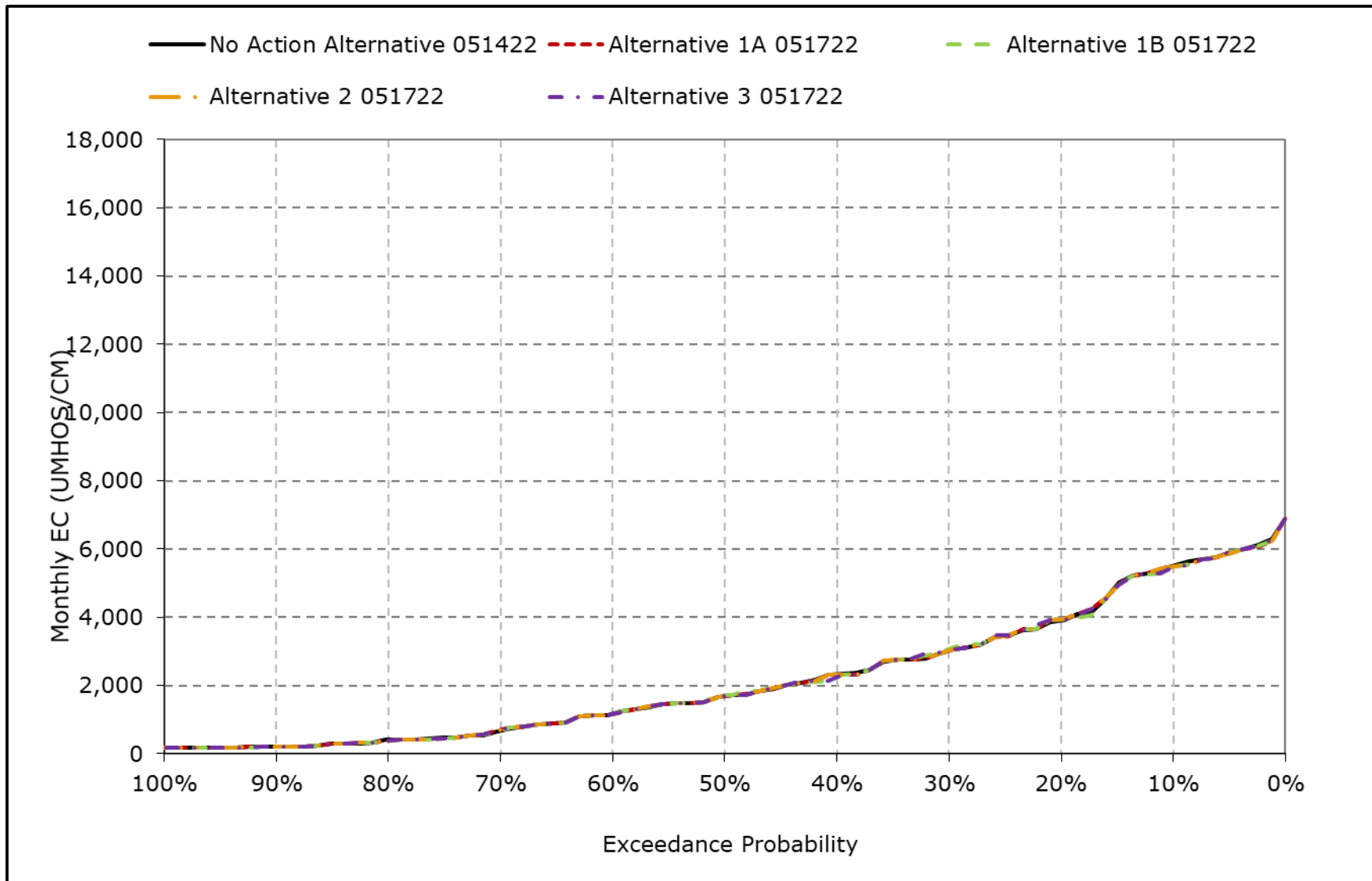
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-20-10. Montezuma Slough at Beldons Landing, April EC**



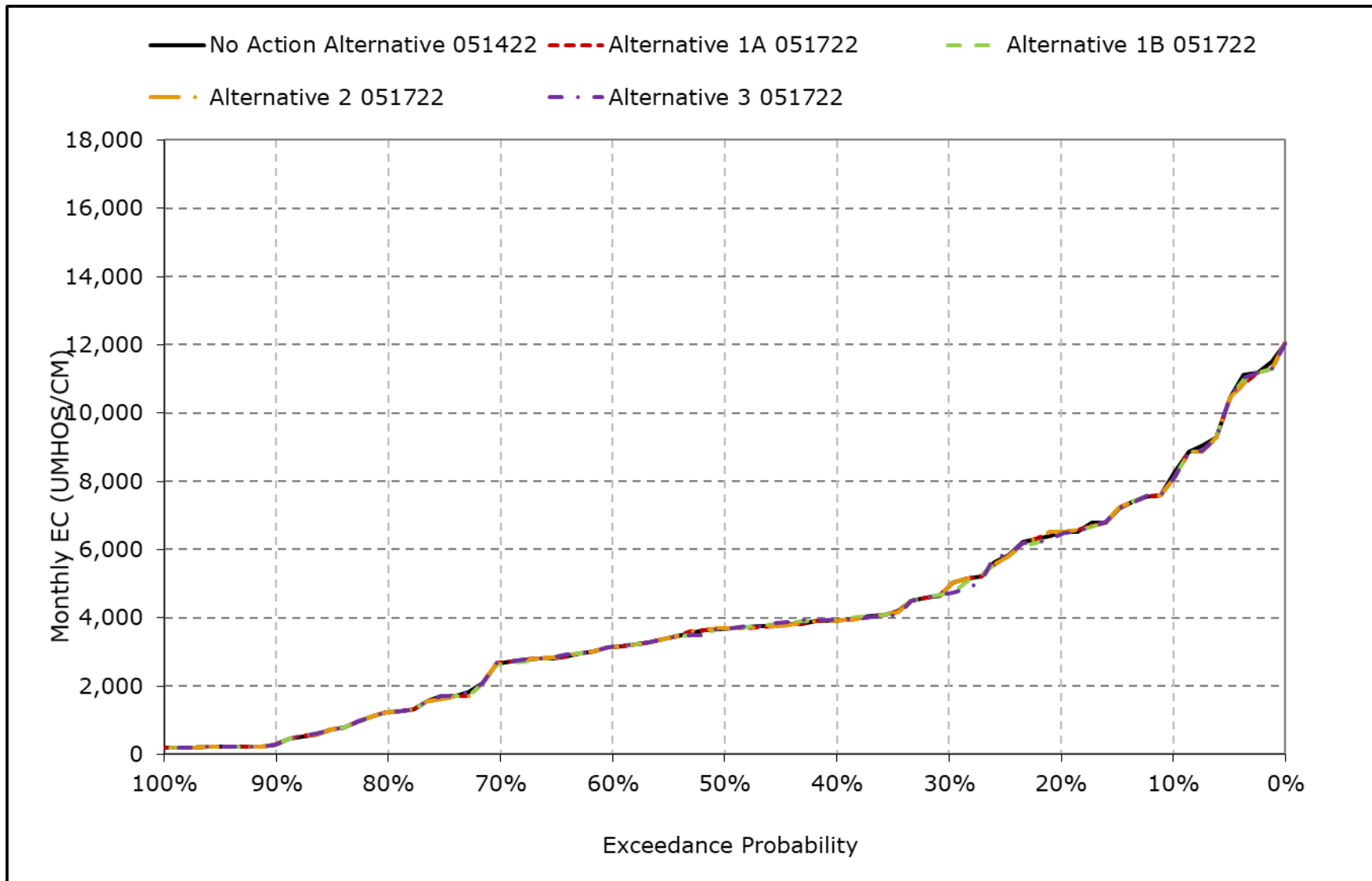
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-20-11. Montezuma Slough at Beldons Landing, May EC**



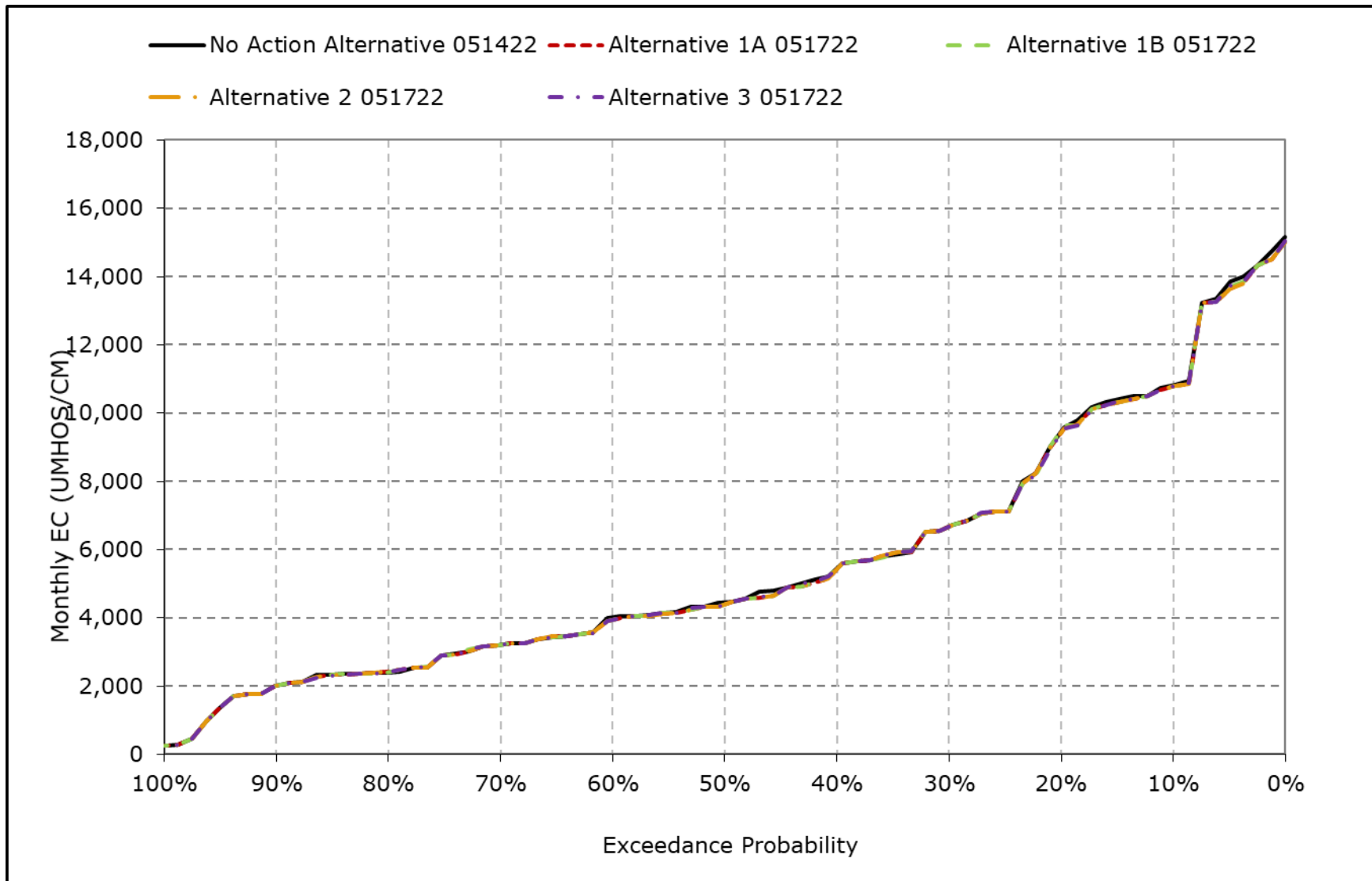
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-20-12. Montezuma Slough at Beldons Landing, June EC**



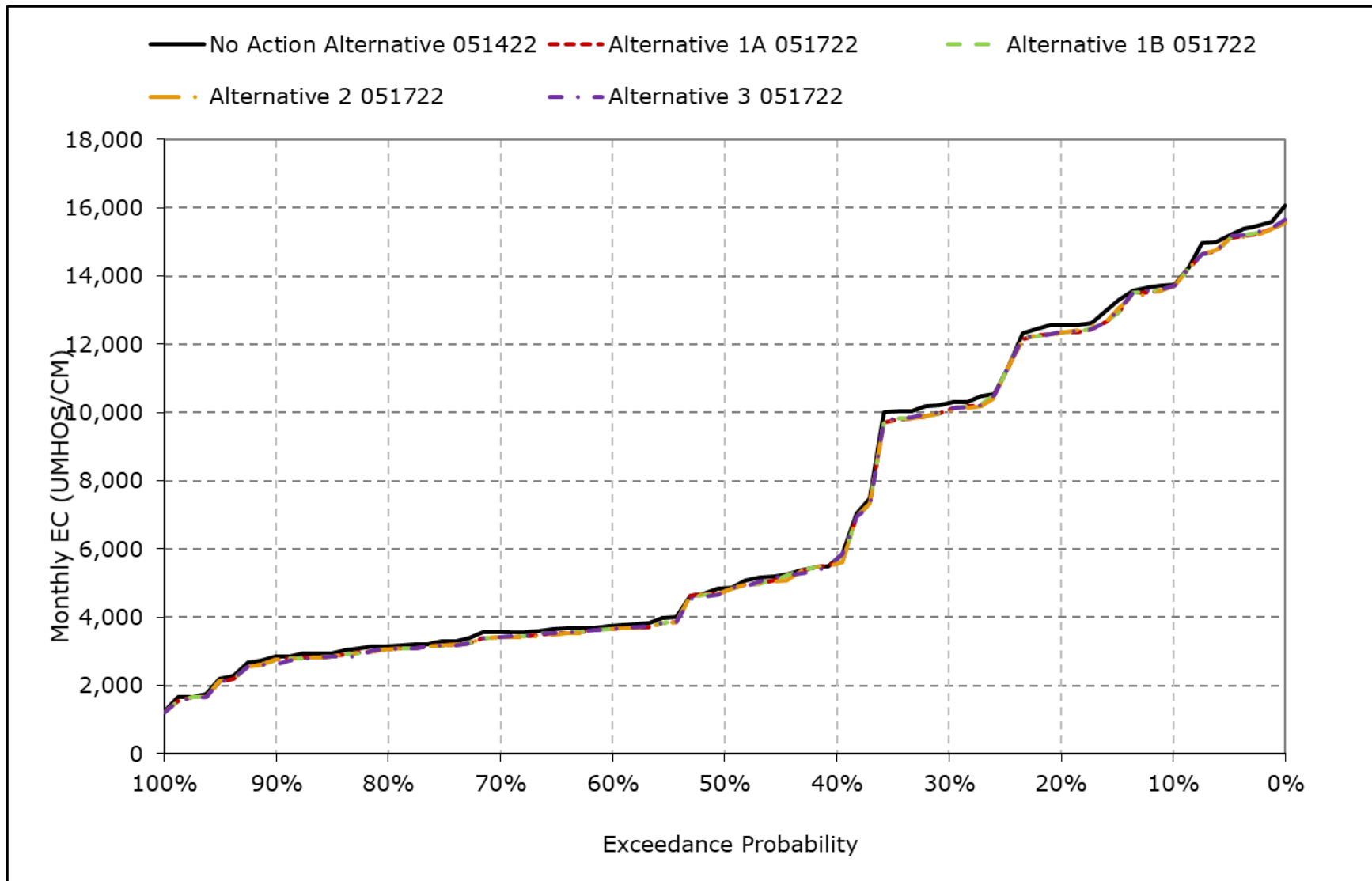
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-20-13. Montezuma Slough at Beldons Landing, July EC**



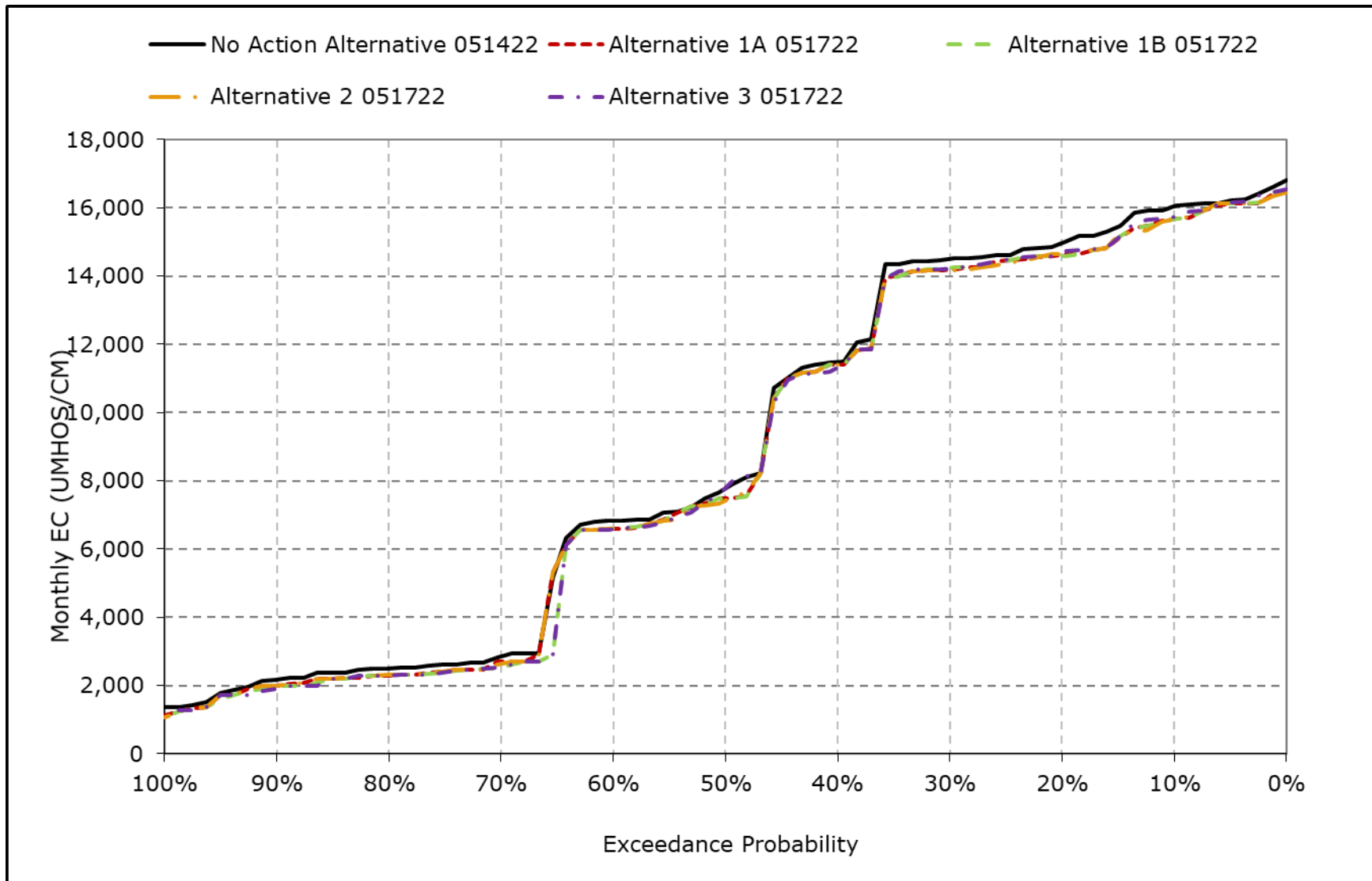
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-20-14. Montezuma Slough at Beldons Landing, August EC**



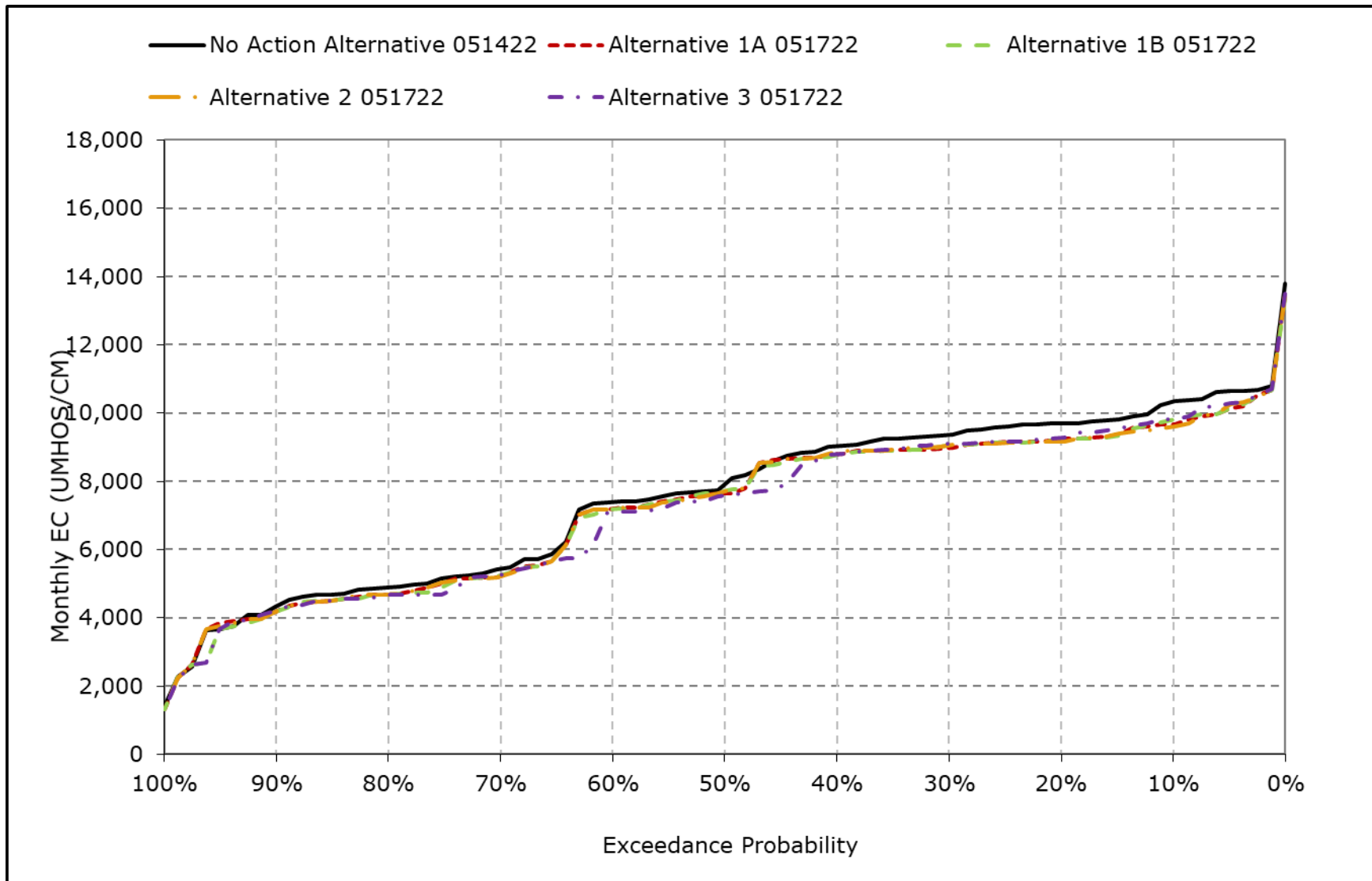
\*All scenarios are simulated at current climate condition and 0 cm sea level rise.

**Figure 6B1-20-15. Montezuma Slough at Beldons Landing, September EC**



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

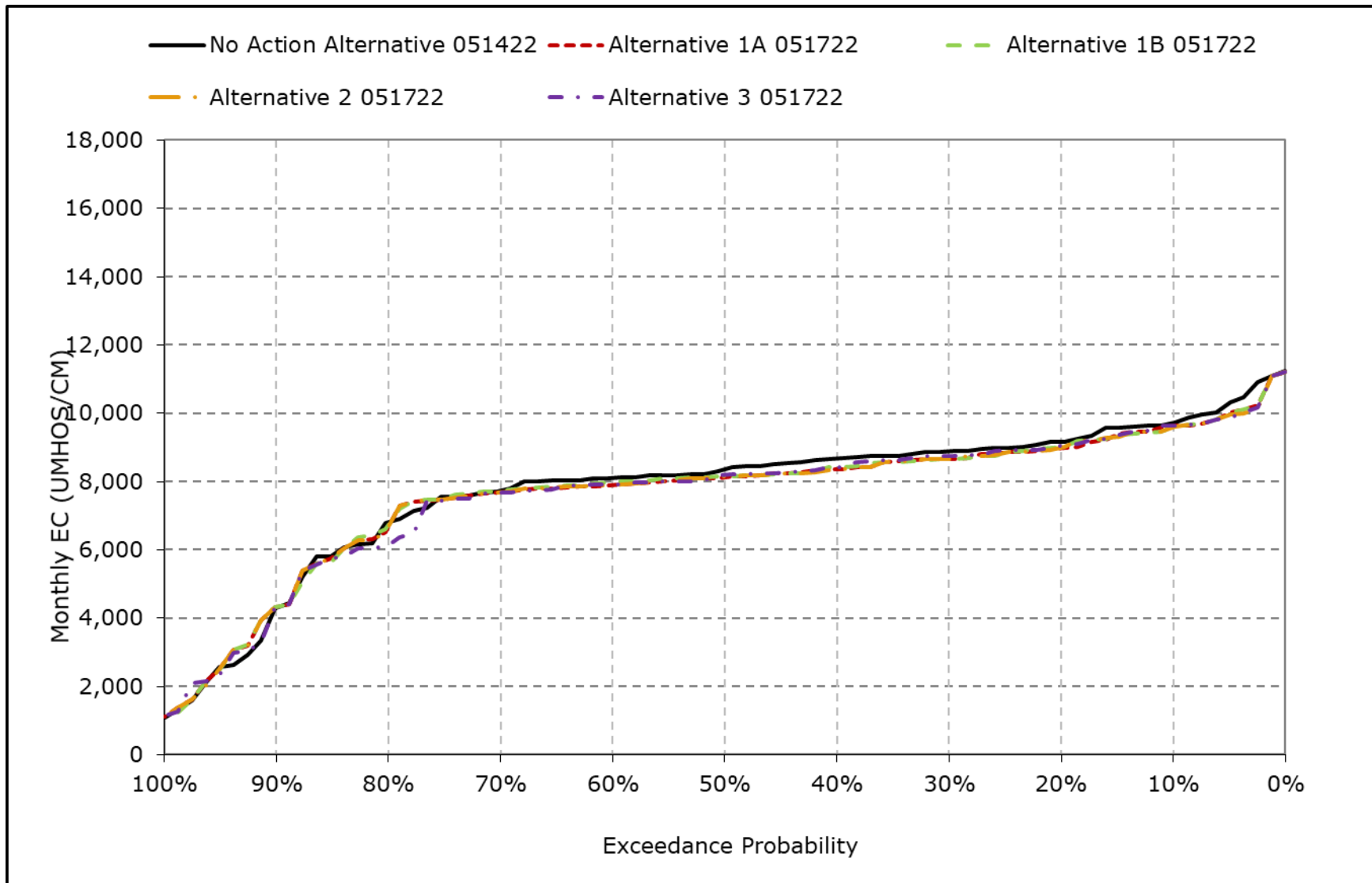
**Figure 6B1-20-16. Montezuma Slough at Beldons Landing, October EC**



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

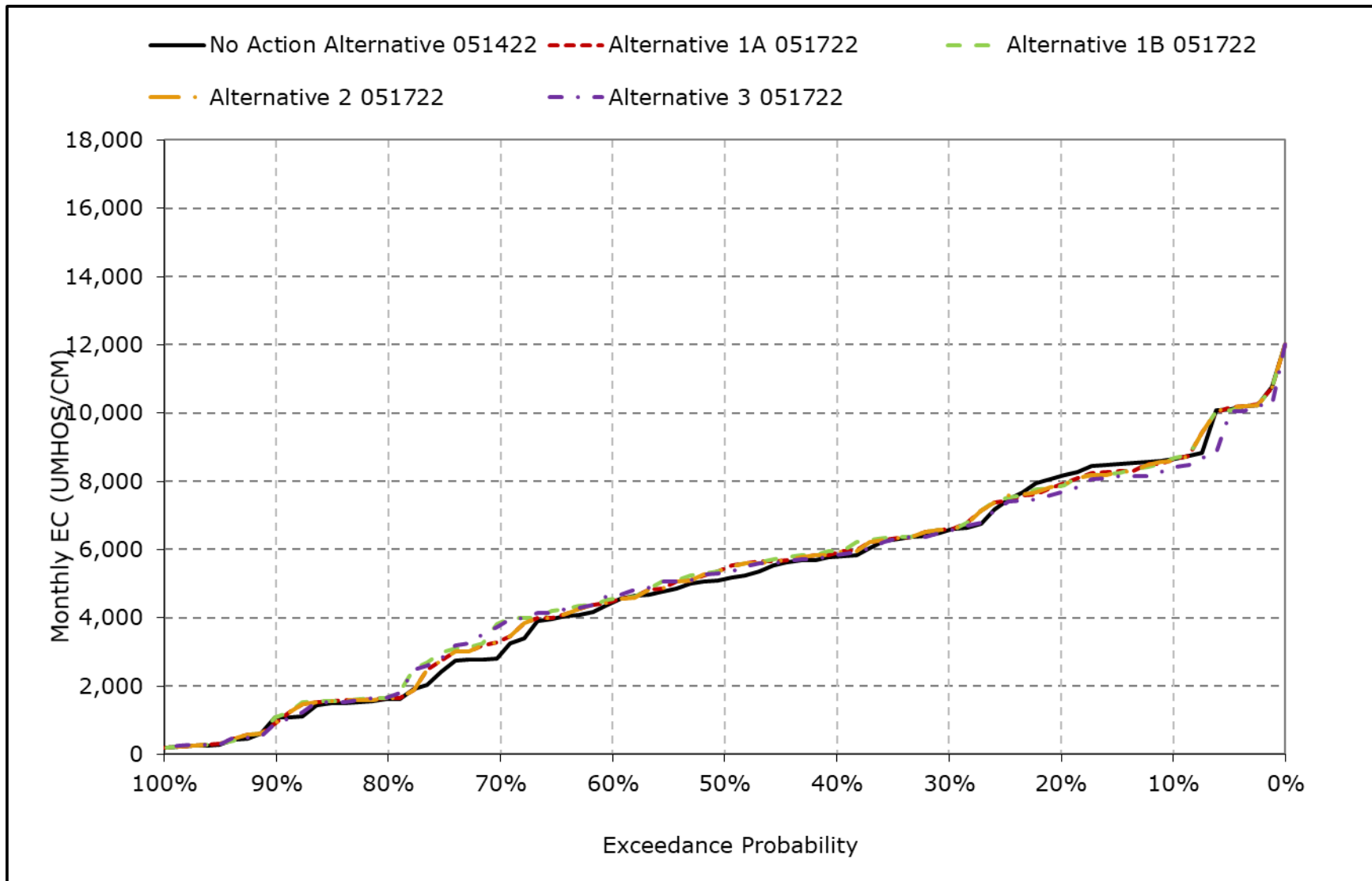


**Figure 6B1-20-17. Montezuma Slough at Beldons Landing, November EC**



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

**Figure 6B1-20-18. Montezuma Slough at Beldons Landing, December EC**



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