

Appendix 4B

**Attachment 9: CalSim 3 Water
Quality Compliance Results**

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Attachment 9: CalSim 3 Water Quality Compliance Results

The following results of the CalSim 3 model are included for D-1641 compliance conditions for the following scenarios:

- Baseline Conditions
- Proposed Project

Title	Model Parameter	Table Numbers	Figure Numbers
D-1641 FWS Spring X2	Post-processed	4B-9-1	4B-9-1
D-1641 NDOI	Post-processed	4B-9-2	4B-9-2
D-1641 MI Contra Costa Canal at Pumping Plant #1	Post-processed	4B-9-3	4B-9-3
D-1641 AG Sacramento River at Emmaton	Post-processed	4B-9-4	4B-9-4
D-1641 AG San Joaquin River at Jersey Point	Post-processed	4B-9-5	4B-9-5

Report formats:

- Tables with the number of days exceeding standards for the Baseline Conditions and Proposed Project.
- Exceedance charts comparing two scenarios (scenario minus water quality standard) over the entire 100-year simulation period.

Table 4B-9-1. D-1641 FWS Spring X2 (Days Exceeding Standard for Each Scenario)

Scenario	# of Months Standards are Applicable	# of Months of Exceeded	% of Days Exceeded
Baseline Conditions	500	0	0.0%
Proposed Project	500	0	0.0%

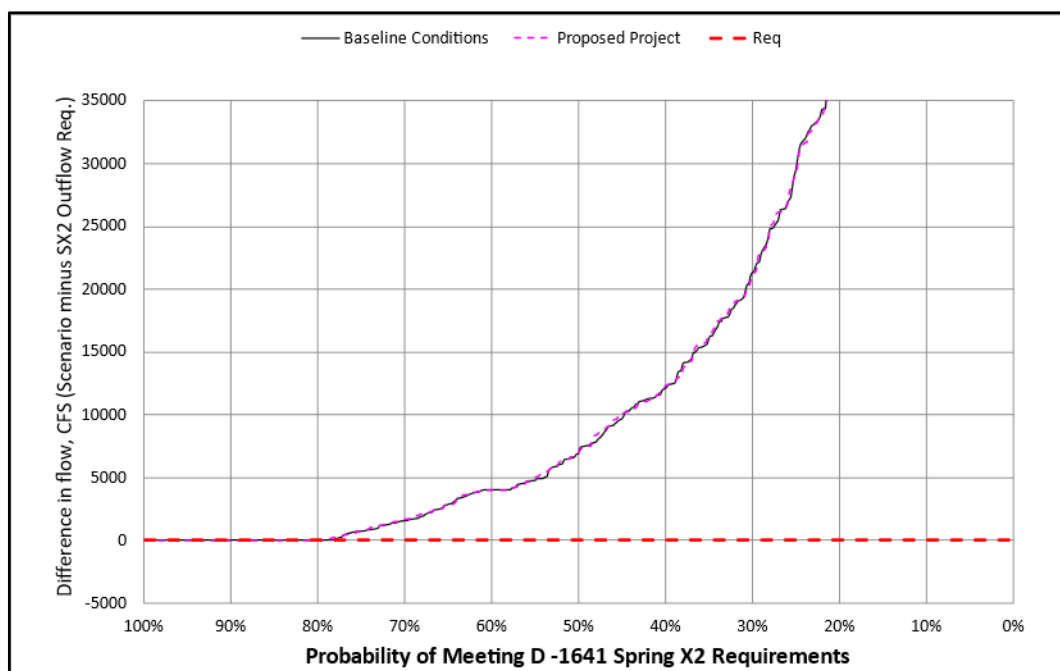
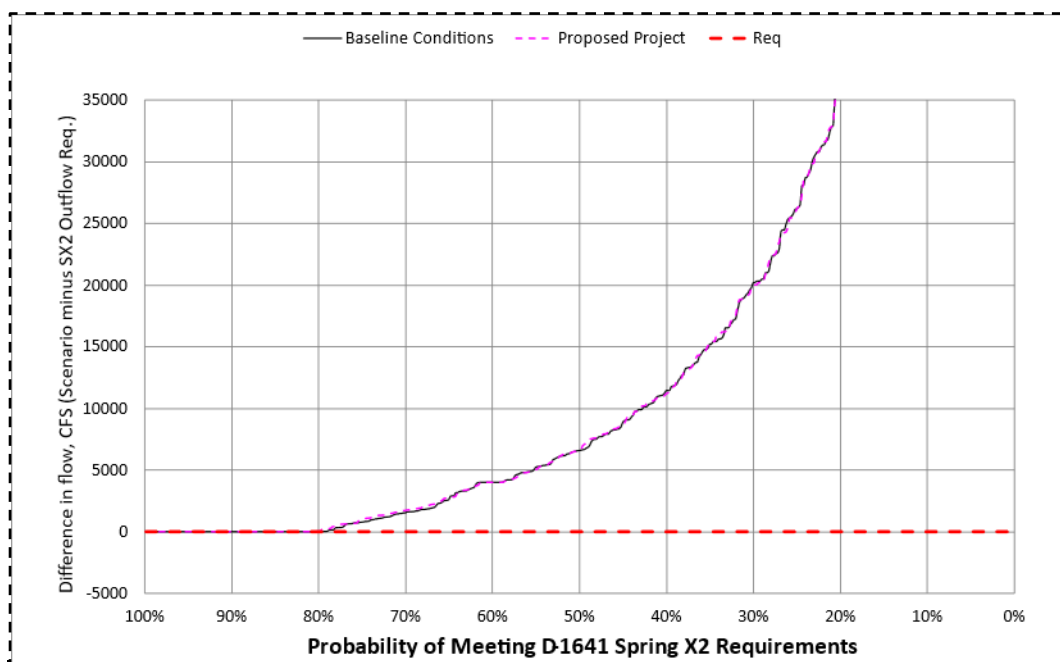


Figure 4B-9-1. D-1641 FWS Spring X2 (Probability of Meeting Objective)

Table 4B-9-2. D-1641 NDOI (Days Exceeding Standard for Each Scenario)

Scenario	# of Months Standards are Applicable	# of Months of Exceeded	% of Days Exceeded
Baseline Conditions	1200	± 2	0.1% 0.2%
Proposed Project	1200	± 2	0.1% 0.2%

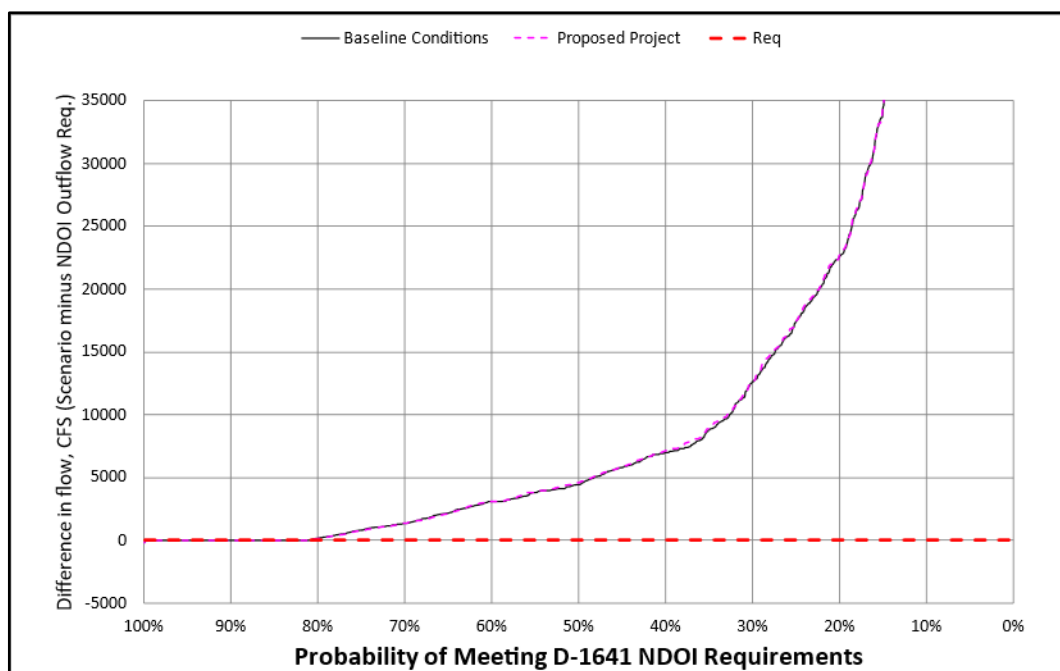
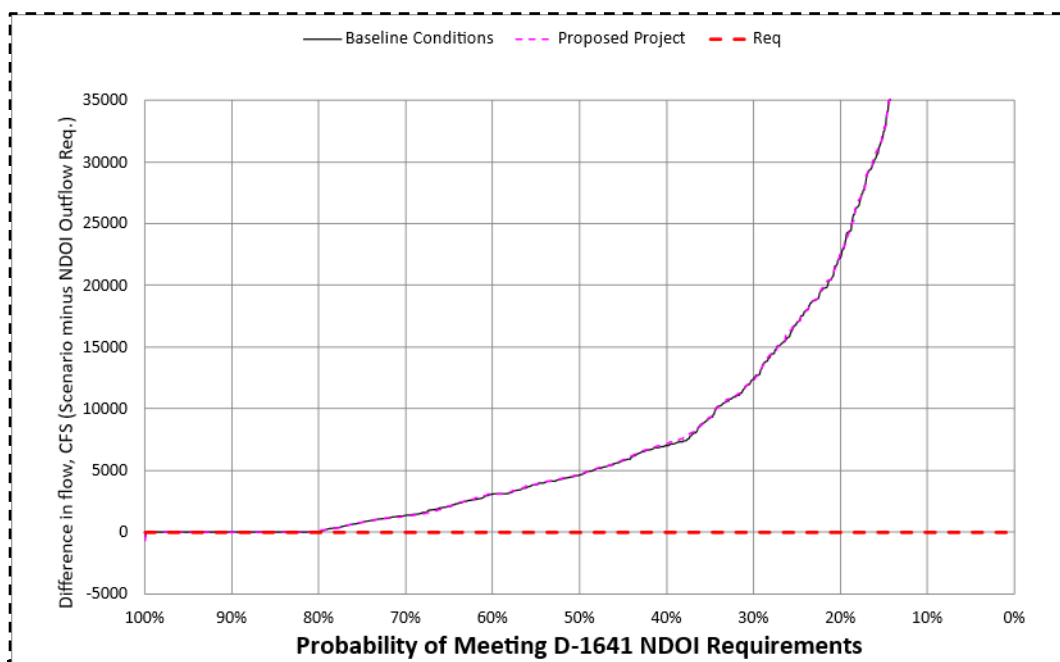


Figure 4B-9-2. D-1641 NDOI (Probability of Meeting Objective)

Table 4B-9-3. D-1641 MI Contra Costa Canal at Pumping Plant #1 (Days Exceeding Standard for Each Scenario)

Scenario	# of Months Standards are Applicable	# of Months of Exceeded	% of Days Exceeded
Baseline Conditions	1200	106 <u>75</u>	8.8% <u>6.3%</u>
Proposed Project	1200	99 <u>77</u>	8.3% <u>6.4%</u>

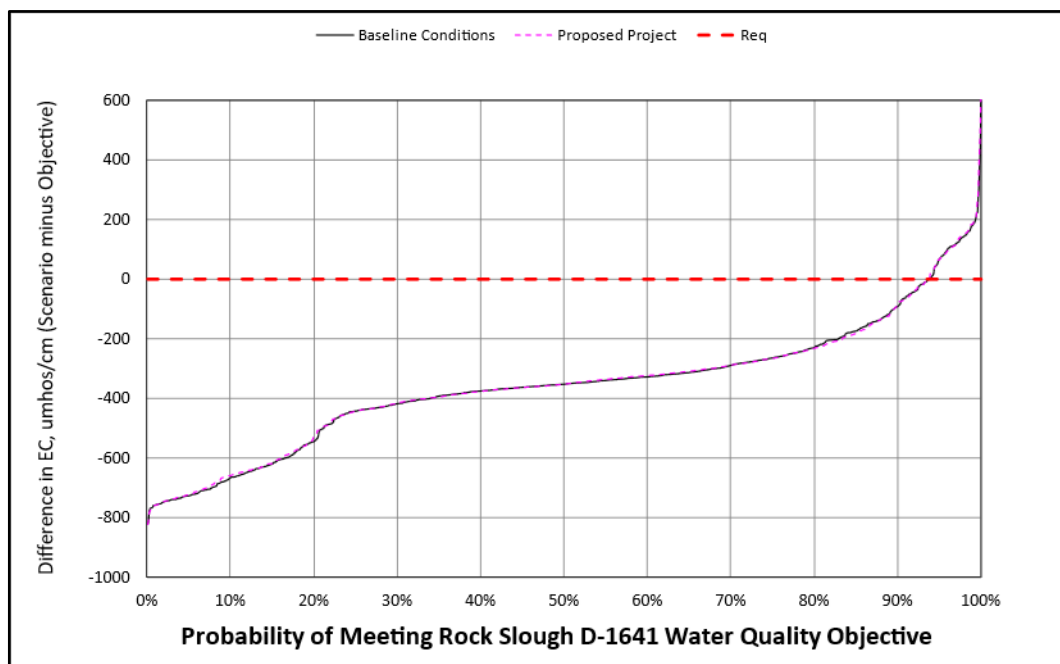
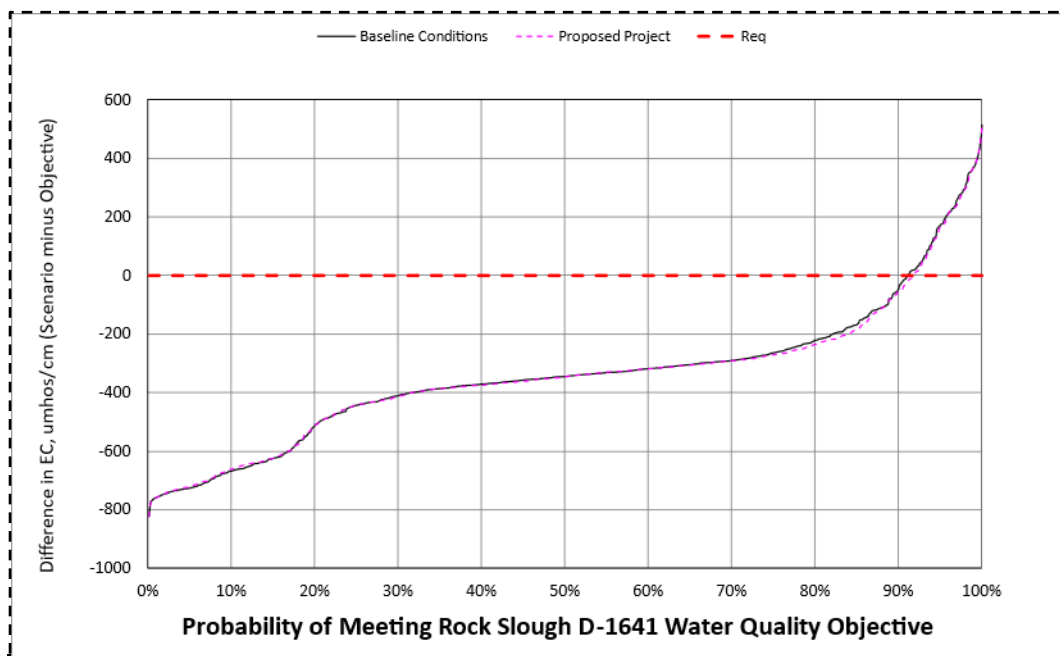


Figure 4B-9-3. D-1641 MI Contra Costa Canal at Pumping Plant #1 (Probability of Meeting Objective)

Table 4B-9-4. D-1641 AG Sacramento River at Emmaton (Days Exceeding Standard for Each Scenario)

Scenario	# of Months Standards are Applicable	# of Months of Exceeded	% of Days Exceeded
Baseline Conditions	500	3	0.6%
Proposed Project	500	1 3	0.2% 0.6%

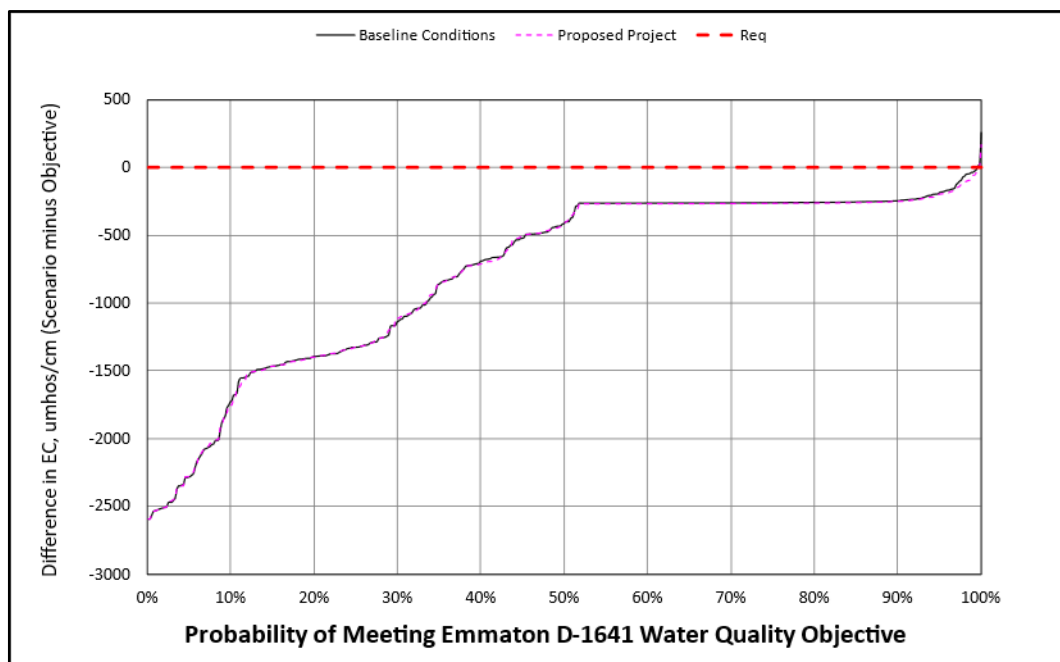
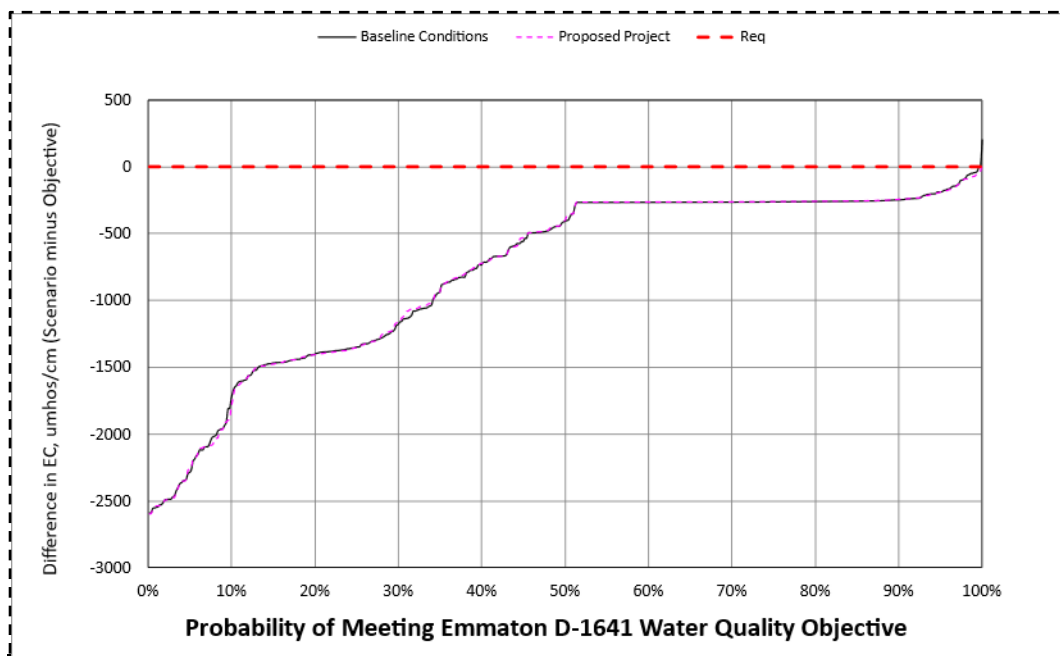


Figure 4B-9-4. D-1641 AG Sacramento River at Emmaton (Probability of Meeting Objective)

Table 4B-9-5. D-1641 AG San Joaquin River at Jersey Point (Days Exceeding Standard for Each Scenario)

Scenario	# of Months Standards are Applicable	# of Months of Exceeded	% of Days Exceeded
Baseline Conditions	500	2 1	0.4% 0.2%
Proposed Project	500	1	0.2%

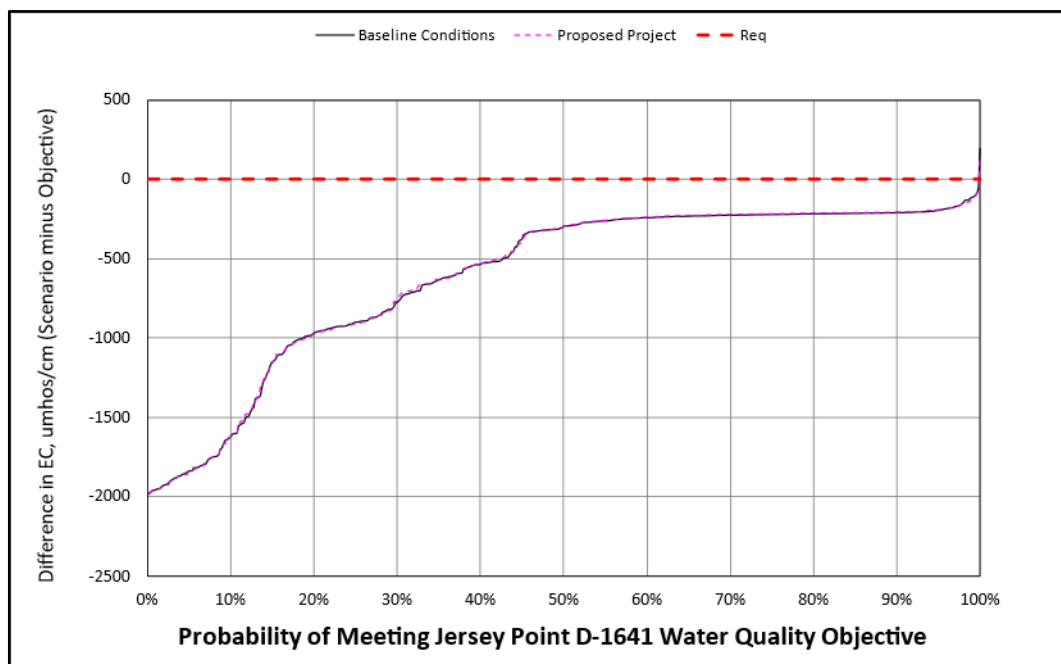
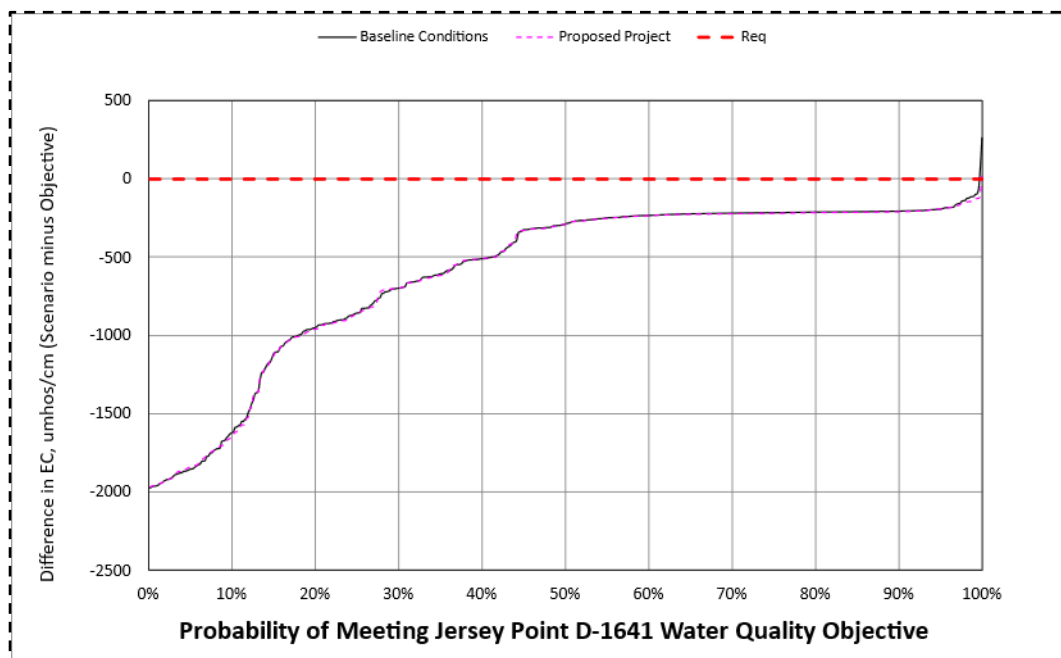


Figure 4B-9-5. D-1641 AG San Joaquin River at Jersey Point (Probability of Meeting Objective)