Appendix G, Water Quality Technical Appendix

Attachment G.6 Organic Carbon Modeling Results

The information contained in this attachment supports the quantitative assessment of the project alternatives' effects on dissolved organic carbon concentrations at Sacramento-San Joaquin Delta (Delta) assessment locations presented in Appendix G, *Water Quality Technical Appendix*, prepared in support of the Reinitiation of Consultation on the Long-term Operations of the Central Valley Project (CVP) and State Water Project (SWP) Environmental Impact Statement (EIS). This attachment presents the following information.

- The dissolved organic carbon modeling methodology.
- Applicable water quality criteria for dissolved organic carbon used in the effects analysis.
- Tables and figures presenting modeled dissolved organic carbon at the Delta assessment locations for the No Action Alternative and project alternatives.

G.6.1 Modeling Methodology

Delta dissolved organic carbon concentrations were modeled using Delta Simulation Model II (DSM2). Details of the DSM2 modeling, including model development and input, are provided in Appendix F, *Modeling Appendix*. Table G.6-1 lists the Delta assessment locations for which dissolved organic carbon concentrations are presented in this attachment and assessed in the EIS.

Table G.6-1. Delta Assessment Locations

Assessment Location	Delta Region
Barker Slough at North Bay Aqueduct	Northern
Banks Pumping Plant	Export area
Jones Pumping Plant	Export area
San Joaquin River at Antioch	Western
Contra Costa Water District Pumping Plant #1	Interior

G.6.2 Applicable Water Quality Objectives

There are no federal or state numeric surface water quality objectives for organic carbon. There is a state narrative water quality objective. Also, there are federal drinking water treatment

requirements related to total organic carbon levels. The Central Valley Regional Water Quality Control Board water quality control plan contains a narrative water quality objective that waters shall not contain chemical constituents, including organic carbon, in concentrations that adversely affect beneficial uses (Central Valley Regional Water Quality Control Board 2019:3-4).

Under the federal Stage 1 Disinfectants and Disinfection Byproducts Rule, municipal drinking water treatment facilities are required to remove specific percentages of total organic carbon in source waters through enhanced treatment methods unless the drinking water treatment system can meet alternative criteria. Action thresholds begin at 2 to 4 milligrams per liter (mg/L) and, depending on source water alkalinity, may require a drinking water utility to employ treatment to achieve as much as a 35% reduction in total organic carbon. Where source water total organic carbon is between 4 and 8 mg/L, a 45% reduction in total organic carbon may be required.

To evaluate the effects of the project alternatives on organic carbon, the assessment considered work by a panel of three water quality and treatment experts, engaged by the California Urban Water Agencies, which produced a report titled Bay-Delta Water Quality Evaluation, Draft Final Report (California Urban Water Agencies 1998).

California Urban Water Agencies had charged the panel with developing potential regulatory scenarios, defining appropriate treatment process criteria, and estimating the Delta source water quality required to achieve compliance under the anticipated regulatory scenarios. The panel identified two regulatory scenarios for their evaluation, a near-term scenario consisting of then-current (and still current) treatment rules governing pathogen inactivation and disinfection and a long-term scenario that included the anticipated more stringent versions of these rules then under development (and not implemented). The panel focused on inactivation requirements and the disinfection byproduct precursors total organic carbon and bromide as the constituents in Delta water that would be most likely to drive treatment technology decisions.

For the near-term regulatory scenario evaluated by the panel consisted of drinking water maximum contaminant levels (MCLs) of 80 micrograms per liter (µg/L) total trihalomethanes, 60 µg/L haloacetic acids, and 10 µg/L bromate (as running annual averages) as well as an additional 1 to 2-log inactivation of Giardia. The panel's findings for this scenario was total organic carbon concentrations ranging from 4 mg/L to 7 mg/L and bromide concentrations ranging from 100 µg/L to 300 µg/L to give users flexibility in their choice of treatment method (enhanced coagulation or ozone disinfection) (California Urban Water Agencies 1998:ES-2).

The long-term, more stringent scenario evaluated by the panel consisted of drinking water MCLs of 40 µg/L total trihalomethanes, 30 µg/L haloacetic acids, and 5 µg/L bromate (as running annual averages), as well as an additional 1- to 2-log inactivation of Giardia and 1-log inactivation of *Cryptosporidium*. The panel's basic finding for the long-term scenario was that it would be necessary to keep Delta water diverted for municipal use to no more than 3 mg/L total organic carbon and 50 µg/L bromide to give users flexibility in their choice of treatment method (enhanced coagulation or ozone disinfection). However, these thresholds for total trihalomethanes, haloacetic acids, and bromate have not been implemented as drinking water MCLs.

G.6.3 Modeling Results

The modeled monthly average concentrations of dissolved organic carbon at each Delta assessment location are presented on the following pages in tables and figures, in the following formats.

- Tables
    - Probability of exceedance of the monthly average concentration for the entire simulation period (water years 1976–1991).
    - Average of monthly average concentrations for the entire simulation period (water years 1976–1991) and for the drought period (water years 1987–1991).
    - Results shown for the No Action Alternative and each project alternative, and the project alternative minus the No Action Alternative.
- Monthly Average Plots
    - Average of monthly average concentrations for the entire simulation period (water years 1976–1991) and for the drought period (water years 1987–1991).
    - No Action Alternative and project alternatives shown on same plot.
- Exceedance Plots
    - Probability exceedance of the monthly average concentrations for the entire simulation period (water years 1976–1991).
    - No Action Alternative and project alternatives shown on same plot.

Table G.6-1-1-A. Barker Slough at North Bay Aqueduct, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	2.5	3.6	4.2	5.0	5.1	4.6	5.0	4.5	2.7	2.4	2.4	2.4
1%	2.5	3.6	4.2	5.0	5.1	4.6	5.0	4.3	2.7	2.4	2.4	2.4
5%	2.5	3.2	4.0	4.6	5.1	4.4	4.8	3.7	2.6	2.4	2.4	2.4
10%	2.4	2.8	3.8	4.2	5.0	4.2	4.4	3.4	2.6	2.4	2.4	2.4
25%	2.3	2.5	3.4	3.6	4.2	3.7	3.0	2.8	2.5	2.3	2.3	2.3
50%	2.3	2.4	2.6	2.8	2.8	3.0	2.9	2.6	2.4	2.2	2.2	2.2
75%	2.2	2.3	2.4	2.7	2.7	2.8	2.7	2.4	2.2	2.2	2.2	2.2
99.9%	2.1	2.2	2.3	2.3	2.3	2.2	2.3	2.1	2.0	2.1	2.1	2.2

Table G.6-1-1-B. Barker Slough at North Bay Aqueduct, Monthly Average Dissolved Organic Carbon (in milligrams per liter), No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	2.3	2.5	2.9	3.2	3.4	3.3	3.1	2.7	2.4	2.2	2.2	2.3
Drought Years (1987-1991)	2.3	2.3	2.4	2.9	3.4	3.6	4.0	3.3	2.5	2.3	2.3	2.3

Table G.6-1-2-A. Barker Slough at North Bay Aqueduct, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 1

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	2.5	3.6	4.2	5.0	5.1	4.6	5.0	4.5	2.7	2.4	2.4	2.4
1%	2.5	3.6	4.2	5.0	5.1	4.6	5.0	4.3	2.7	2.4	2.4	2.4
5%	2.5	3.2	4.0	4.6	5.1	4.4	4.7	3.7	2.7	2.4	2.3	2.4
10%	2.4	2.8	3.8	4.2	5.0	4.2	4.4	3.4	2.6	2.3	2.3	2.4
25%	2.4	2.5	3.4	3.6	4.1	3.7	3.1	2.8	2.5	2.3	2.3	2.3
50%	2.3	2.4	2.6	2.9	2.8	3.0	2.9	2.6	2.4	2.2	2.2	2.3
75%	2.2	2.3	2.4	2.7	2.7	2.8	2.7	2.3	2.2	2.2	2.2	2.2
99.9%	2.1	2.3	2.3	2.3	2.3	2.2	2.3	2.1	2.0	2.1	2.2	2.2

Table G.6-1-2-B. Barker Slough at North Bay Aqueduct, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 1

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	2.3	2.5	2.9	3.2	3.4	3.3	3.1	2.7	2.4	2.2	2.2	2.3
Drought Years (1987-1991)	2.3	2.3	2.4	2.9	3.4	3.7	4.0	3.3	2.5	2.3	2.3	2.3

Table G.6-1-2-C. Barker Slough at North Bay Aqueduct, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 1 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5%	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
25%	0.0	0.0	0.0	0.0	-0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99.9%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table G.6-1-2-D. Barker Slough at North Bay Aqueduct, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 1 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Drought Years (1987-1991)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0

Table G.6-1-3-A. Barker Slough at North Bay Aqueduct, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 With TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	2.5	3.6	4.2	5.0	5.1	4.6	5.0	4.5	2.7	2.4	2.4	2.4
1%	2.5	3.5	4.2	5.0	5.1	4.6	5.0	4.3	2.7	2.4	2.4	2.4
5%	2.5	3.2	4.0	4.6	5.1	4.4	4.8	3.7	2.6	2.4	2.4	2.4
10%	2.4	2.8	3.8	4.2	5.0	4.2	4.4	3.4	2.5	2.4	2.4	2.4
25%	2.4	2.5	3.4	3.6	4.1	3.7	3.1	2.8	2.5	2.3	2.3	2.3
50%	2.3	2.4	2.6	2.8	2.8	3.1	2.9	2.6	2.4	2.2	2.2	2.2
75%	2.2	2.3	2.4	2.7	2.7	2.8	2.7	2.3	2.2	2.2	2.2	2.2
99.9%	2.1	2.2	2.3	2.3	2.3	2.2	2.3	2.1	2.0	2.1	2.2	2.2

Table G.6-1-3-B. Barker Slough at North Bay Aqueduct, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 With TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	2.3	2.5	2.9	3.2	3.4	3.3	3.1	2.7	2.4	2.2	2.2	2.3
Drought Years (1987-1991)	2.3	2.3	2.4	2.9	3.4	3.6	4.0	3.3	2.5	2.3	2.3	2.3

Table G.6-1-3-C. Barker Slough at North Bay Aqueduct, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 With TUCP Without VA minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25%	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99.9%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table G.6-1-3-D. Barker Slough at North Bay Aqueduct, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 With TUCP Without VA minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Drought Years (1987-1991)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table G.6-1-4-A. Barker Slough at North Bay Aqueduct, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	2.5	3.6	4.2	5.0	5.1	4.6	5.0	4.5	2.7	2.4	2.4	2.4
1%	2.5	3.5	4.2	5.0	5.1	4.6	5.0	4.3	2.7	2.4	2.4	2.4
5%	2.5	3.2	4.0	4.6	5.1	4.4	4.7	3.7	2.6	2.4	2.4	2.4
10%	2.4	2.8	3.8	4.2	5.0	4.2	4.3	3.4	2.5	2.4	2.3	2.4
25%	2.4	2.5	3.4	3.6	4.1	3.7	3.1	2.8	2.5	2.3	2.3	2.3
50%	2.3	2.4	2.6	2.8	2.8	3.0	2.9	2.6	2.4	2.2	2.2	2.2
75%	2.2	2.3	2.4	2.7	2.7	2.8	2.7	2.3	2.2	2.2	2.2	2.2
99.9%	2.1	2.2	2.3	2.3	2.3	2.2	2.3	2.1	2.0	2.1	2.2	2.2

Table G.6-1-4-B. Barker Slough at North Bay Aqueduct, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	2.3	2.5	2.9	3.2	3.4	3.3	3.1	2.7	2.4	2.2	2.2	2.3
Drought Years (1987-1991)	2.3	2.3	2.4	2.9	3.4	3.6	4.0	3.3	2.5	2.3	2.3	2.3

Table G.6-1-4-C. Barker Slough at North Bay Aqueduct, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Without VA minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5%	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25%	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99.9%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table G.6-1-4-D. Barker Slough at North Bay Aqueduct, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Without VA minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Drought Years (1987-1991)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table G.6-1-5-A. Barker Slough at North Bay Aqueduct, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Delta VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	2.5	3.6	4.2	5.0	5.1	4.6	5.0	4.5	2.7	2.4	2.4	2.4
1%	2.5	3.6	4.2	5.0	5.1	4.6	5.0	4.3	2.7	2.4	2.4	2.4
5%	2.5	3.2	4.0	4.6	5.1	4.4	4.7	3.7	2.7	2.4	2.4	2.4
10%	2.4	2.8	3.8	4.2	5.0	4.2	4.3	3.4	2.6	2.3	2.3	2.4
25%	2.3	2.5	3.4	3.6	4.1	3.8	3.1	2.8	2.5	2.3	2.3	2.3
50%	2.3	2.4	2.6	2.8	2.8	3.1	2.9	2.6	2.4	2.2	2.2	2.2
75%	2.2	2.3	2.4	2.7	2.7	2.8	2.7	2.3	2.2	2.2	2.2	2.2
99.9%	2.1	2.2	2.3	2.3	2.3	2.2	2.3	2.1	2.0	2.1	2.2	2.2

Table G.6-1-5-B. Barker Slough at North Bay Aqueduct, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Delta VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	2.3	2.5	2.9	3.2	3.4	3.3	3.1	2.7	2.4	2.2	2.2	2.3
Drought Years (1987-1991)	2.3	2.3	2.4	2.9	3.4	3.7	4.0	3.3	2.5	2.3	2.3	2.3

Table G.6-1-5-C. Barker Slough at North Bay Aqueduct, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Delta VA minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25%	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
75%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99.9%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table G.6-1-5-D. Barker Slough at North Bay Aqueduct, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Delta VA minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Drought Years (1987-1991)	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0

Table G.6-1-6-A. Barker Slough at North Bay Aqueduct, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Systemwide VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	2.5	3.6	4.2	5.0	5.1	4.6	5.0	4.5	2.7	2.4	2.4	2.4
1%	2.5	3.6	4.2	5.0	5.1	4.6	5.0	4.3	2.7	2.4	2.4	2.4
5%	2.5	3.2	4.0	4.6	5.1	4.4	4.7	3.7	2.6	2.4	2.4	2.4
10%	2.4	2.8	3.8	4.2	5.0	4.2	4.3	3.4	2.5	2.3	2.4	2.4
25%	2.3	2.5	3.4	3.6	4.1	3.7	3.1	2.8	2.5	2.3	2.3	2.3
50%	2.3	2.4	2.6	2.8	2.8	3.0	2.9	2.5	2.4	2.2	2.2	2.2
75%	2.2	2.3	2.4	2.7	2.7	2.8	2.7	2.3	2.2	2.2	2.2	2.2
99.9%	2.1	2.2	2.3	2.3	2.3	2.2	2.3	2.1	2.0	2.1	2.1	2.2

Table G.6-1-6-B. Barker Slough at North Bay Aqueduct, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Systemwide VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	2.3	2.5	2.9	3.2	3.4	3.3	3.1	2.7	2.4	2.2	2.2	2.3
Drought Years (1987-1991)	2.3	2.3	2.4	2.9	3.4	3.6	4.0	3.3	2.5	2.3	2.3	2.3

Table G.6-1-6-C. Barker Slough at North Bay Aqueduct, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Systemwide VA minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5%	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25%	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99.9%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table G.6-1-6-D. Barker Slough at North Bay Aqueduct, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Systemwide VA minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Drought Years (1987-1991)	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table G.6-1-7-A. Barker Slough at North Bay Aqueduct, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 3

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	2.5	3.6	4.2	4.9	5.0	4.8	4.8	4.5	2.8	2.4	2.4	2.4
1%	2.5	3.5	4.1	4.8	5.0	4.8	4.7	4.4	2.8	2.4	2.4	2.4
5%	2.5	3.2	3.8	4.6	5.0	4.6	4.5	3.8	2.6	2.4	2.4	2.3
10%	2.4	2.8	3.7	4.1	4.8	4.2	4.3	3.4	2.6	2.3	2.3	2.3
25%	2.3	2.5	3.3	3.4	4.1	3.7	3.3	2.8	2.5	2.3	2.3	2.3
50%	2.3	2.4	2.6	2.8	2.8	3.1	2.9	2.6	2.4	2.3	2.2	2.3
75%	2.2	2.3	2.4	2.7	2.7	2.8	2.7	2.4	2.3	2.2	2.2	2.2
99.9%	2.1	2.2	2.3	2.3	2.4	2.3	2.3	2.1	2.0	2.2	2.2	2.2

Table G.6-1-7-B. Barker Slough at North Bay Aqueduct, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 3

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	2.3	2.5	2.9	3.1	3.3	3.3	3.1	2.7	2.4	2.3	2.3	2.3
Drought Years (1987-1991)	2.3	2.3	2.4	2.9	3.3	3.6	3.9	3.4	2.5	2.3	2.3	2.3

Table G.6-1-7-C. Barker Slough at North Bay Aqueduct, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 3 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	0.0	-0.1	0.0	-0.2	-0.1	0.2	-0.3	0.0	0.1	0.0	0.0	0.0
1%	0.0	-0.1	0.0	-0.1	-0.1	0.2	-0.3	0.0	0.0	0.0	0.0	0.0
5%	0.0	0.0	-0.2	0.0	-0.1	0.2	-0.3	0.1	0.0	0.0	0.0	0.0
10%	0.0	0.0	-0.1	-0.1	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25%	0.0	0.0	-0.1	-0.2	-0.1	0.0	0.3	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0
99.9%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0

Table G.6-1-7-D. Barker Slough at North Bay Aqueduct, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 3 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Drought Years (1987-1991)	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0

Table G.6-1-8-A. Barker Slough at North Bay Aqueduct, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 4

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	2.5	3.6	4.2	5.0	5.1	4.6	5.0	4.5	2.7	2.4	2.4	2.4
1%	2.5	3.6	4.2	5.0	5.1	4.6	5.0	4.3	2.7	2.4	2.4	2.4
5%	2.5	3.2	4.0	4.6	5.1	4.4	4.8	3.7	2.6	2.4	2.4	2.4
10%	2.4	2.8	3.8	4.2	5.0	4.2	4.4	3.4	2.5	2.4	2.4	2.4
25%	2.4	2.6	3.4	3.6	4.1	3.7	3.1	2.8	2.5	2.3	2.3	2.3
50%	2.3	2.4	2.6	2.8	2.8	3.0	2.9	2.6	2.4	2.2	2.2	2.2
75%	2.2	2.3	2.4	2.7	2.7	2.8	2.7	2.3	2.2	2.2	2.2	2.2
99.9%	2.1	2.2	2.3	2.3	2.3	2.2	2.3	2.1	2.0	2.1	2.2	2.2

Table G.6-1-8-B. Barker Slough at North Bay Aqueduct, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 4

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	2.3	2.5	2.9	3.2	3.4	3.3	3.1	2.7	2.4	2.2	2.2	2.3
Drought Years (1987-1991)	2.3	2.3	2.4	2.9	3.4	3.6	4.0	3.3	2.5	2.3	2.3	2.3

Table G.6-1-8-C. Barker Slough at North Bay Aqueduct, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 4 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
25%	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99.9%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table G.6-1-8-D. Barker Slough at North Bay Aqueduct, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 4 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Drought Years (1987-1991)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table G.6-2-1-A. Banks Pumping Plant, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	3.7	4.0	7.3	7.7	11.0	7.2	6.4	5.8	4.9	4.9	4.7	4.1
1%	3.7	4.0	6.9	7.6	10.9	7.1	6.4	5.7	4.9	4.8	4.6	4.1
5%	3.6	4.0	5.5	7.4	10.2	6.9	6.3	5.5	4.9	4.6	4.4	3.9
10%	3.5	3.7	4.6	7.2	6.9	6.7	6.2	5.3	4.7	4.1	4.0	3.7
25%	3.3	3.4	4.1	5.8	5.5	5.7	4.9	4.7	4.0	3.5	3.4	3.6
50%	3.0	3.2	3.7	4.4	4.5	4.5	3.9	3.8	3.6	3.2	3.0	3.0
75%	2.8	2.8	3.4	3.9	4.4	4.1	3.7	3.6	3.5	3.0	2.8	2.8
99.9%	2.5	2.5	2.8	3.2	3.8	3.5	3.0	3.2	3.1	2.8	2.6	2.7

Table G.6-2-1-B. Banks Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	3.1	3.2	3.9	4.9	5.3	5.0	4.4	4.1	3.8	3.3	3.2	3.2
Drought Years (1987-1991)	3.2	3.2	3.5	4.0	5.0	6.5	5.8	5.1	4.4	3.9	3.8	3.5

Table G.6-2-2-A. Banks Pumping Plant, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 1

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	3.6	4.0	7.0	7.1	10.9	6.5	6.2	5.6	4.7	4.4	4.3	4.0
1%	3.6	4.0	6.6	7.0	10.7	6.5	6.2	5.6	4.6	4.4	4.3	3.9
5%	3.6	3.8	5.2	7.0	9.7	6.5	6.1	5.2	4.6	4.1	4.0	3.8
10%	3.5	3.7	4.7	6.9	6.6	6.4	5.9	5.2	4.5	3.9	3.9	3.7
25%	3.3	3.4	3.9	5.6	5.3	5.5	5.0	4.4	3.9	3.5	3.4	3.6
50%	3.0	3.2	3.7	4.2	4.4	4.5	3.9	3.6	3.5	3.3	3.1	3.2
75%	2.6	2.7	3.2	3.8	4.3	4.0	3.8	3.5	3.4	2.9	2.8	2.7
99.9%	2.4	2.5	2.9	3.2	3.8	3.5	3.0	3.1	3.0	2.8	2.5	2.4

Table G.6-2-2-B. Banks Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 1

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	3.0	3.1	3.8	4.7	5.2	4.8	4.4	4.0	3.7	3.3	3.2	3.1
Drought Years (1987-1991)	3.1	3.1	3.5	3.9	4.9	6.1	5.7	4.9	4.3	3.6	3.6	3.5

Table G.6-2-2-C. Banks Pumping Plant, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 1 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	-0.1	0.0	-0.3	-0.6	-0.1	-0.7	-0.1	-0.2	-0.3	-0.5	-0.3	-0.2
1%	-0.1	0.0	-0.3	-0.6	-0.2	-0.6	-0.2	-0.2	-0.3	-0.5	-0.3	-0.2
5%	0.0	-0.1	-0.3	-0.5	-0.6	-0.4	-0.2	-0.3	-0.3	-0.5	-0.3	-0.2
10%	0.0	0.0	0.1	-0.3	-0.3	-0.3	-0.3	-0.1	-0.1	-0.2	-0.1	0.0
25%	0.0	0.0	-0.2	-0.1	-0.1	-0.2	0.1	-0.3	-0.1	0.0	0.0	0.0
50%	0.0	0.0	-0.1	-0.2	-0.1	0.0	0.0	-0.2	-0.1	0.1	0.1	0.1
75%	-0.2	-0.1	-0.2	-0.1	-0.1	-0.1	0.0	-0.1	-0.1	0.0	0.0	-0.1
99.9%	0.0	0.0	0.1	0.0	0.0	-0.1	0.0	-0.2	-0.1	0.0	0.0	-0.2

Table G.6-2-2-D. Banks Pumping Plant, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 1 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	-0.1	0.0	-0.1	-0.2	-0.1	-0.2	0.0	-0.1	-0.1	0.0	0.0	-0.1
Drought Years (1987-1991)	0.0	-0.1	-0.1	-0.1	-0.1	-0.4	-0.2	-0.2	-0.2	-0.2	-0.1	0.0

Table G.6-2-3-A. Banks Pumping Plant, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 With TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	4.0	4.1	7.2	7.7	11.0	7.2	6.4	5.6	4.8	4.8	4.6	4.2
1%	3.9	4.0	6.9	7.7	10.9	7.1	6.3	5.6	4.8	4.7	4.6	4.2
5%	3.6	4.0	5.5	7.4	10.2	6.8	6.3	5.5	4.8	4.6	4.5	4.1
10%	3.5	3.7	4.6	7.1	6.9	6.7	6.1	5.2	4.7	4.2	4.2	3.9
25%	3.3	3.4	4.1	5.8	5.5	5.7	4.9	4.6	4.0	3.5	3.5	3.6
50%	3.0	3.2	3.6	4.4	4.6	4.5	4.1	3.7	3.6	3.2	3.0	3.0
75%	2.8	2.8	3.4	3.9	4.4	4.1	3.8	3.6	3.5	3.0	2.8	2.8
99.9%	2.5	2.5	2.8	3.4	3.8	3.5	3.1	3.1	3.0	2.8	2.6	2.6

Table G.6-2-3-B. Banks Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 With TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	3.1	3.2	3.9	4.9	5.3	5.0	4.4	4.1	3.8	3.4	3.3	3.2
Drought Years (1987-1991)	3.2	3.2	3.5	4.0	5.0	6.5	5.8	5.0	4.4	3.9	3.9	3.6

Table G.6-2-3-C. Banks Pumping Plant, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 With TUCP Without VA minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	0.3	0.0	-0.1	0.1	0.0	0.0	0.0	-0.1	-0.2	-0.1	0.0	0.1
1%	0.2	0.0	-0.1	0.1	0.0	0.0	0.0	-0.1	-0.2	-0.1	0.0	0.1
5%	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	-0.2	0.0	0.2	0.2
10%	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1	0.1	0.1	0.2	0.2
25%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.1	0.0
50%	0.0	0.0	-0.1	0.0	0.1	0.0	0.1	-0.1	0.0	0.1	0.0	0.0
75%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99.9%	0.0	0.0	0.0	0.1	0.0	0.0	0.1	-0.1	-0.2	0.0	0.1	-0.1

Table G.6-2-3-D. Banks Pumping Plant, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 With TUCP Without VA minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	0.0	0.0	0.1	0.0
Drought Years (1987-1991)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.1	0.1

Table G.6-2-4-A. Banks Pumping Plant, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	3.8	4.1	7.2	7.7	11.0	7.2	6.4	5.6	4.8	4.7	4.5	4.0
1%	3.7	4.0	6.9	7.7	10.9	7.1	6.4	5.6	4.8	4.6	4.5	4.0
5%	3.6	4.0	5.5	7.4	10.2	6.8	6.3	5.5	4.8	4.5	4.4	3.9
10%	3.4	3.7	4.6	7.1	6.9	6.7	6.1	5.2	4.7	4.0	4.0	3.7
25%	3.3	3.4	4.1	5.8	5.5	5.7	5.0	4.4	4.0	3.5	3.5	3.6
50%	3.0	3.2	3.6	4.4	4.6	4.6	4.0	3.7	3.6	3.3	3.0	3.0
75%	2.8	2.8	3.4	3.9	4.4	4.1	3.8	3.6	3.5	3.0	2.8	2.8
99.9%	2.5	2.5	2.8	3.4	3.8	3.5	3.1	3.1	3.0	2.8	2.6	2.6

Table G.6-2-4-B. Banks Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	3.1	3.2	3.9	4.9	5.3	5.0	4.5	4.0	3.8	3.4	3.2	3.2
Drought Years (1987-1991)	3.1	3.2	3.5	3.9	5.0	6.5	5.8	5.0	4.4	3.9	3.8	3.5

Table G.6-2-4-C. Banks Pumping Plant, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Without VA minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	0.1	0.0	-0.1	0.1	0.0	0.0	0.1	-0.1	-0.1	-0.2	-0.2	-0.1
1%	0.0	0.0	-0.1	0.1	0.0	0.0	0.1	-0.1	-0.1	-0.2	-0.1	-0.1
5%	-0.1	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	-0.1	-0.1	0.0	0.0
10%	-0.1	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.1	-0.1	0.0	0.0
25%	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.3	0.0	0.0	0.1	0.0
50%	0.0	0.0	-0.1	0.0	0.1	0.1	0.1	-0.1	0.0	0.1	0.0	0.0
75%	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99.9%	0.0	0.0	0.0	0.1	0.0	0.0	0.1	-0.1	-0.2	0.0	0.1	-0.1

Table G.6-2-4-D. Banks Pumping Plant, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Without VA minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	0.0	0.0	0.0	0.0
Drought Years (1987-1991)	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0

Table G.6-2-5-A. Banks Pumping Plant, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Delta VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	3.6	4.0	7.2	7.7	11.0	6.8	6.4	5.9	4.8	4.5	4.2	3.8
1%	3.6	4.0	6.9	7.7	10.9	6.8	6.3	5.8	4.8	4.5	4.1	3.8
5%	3.5	4.0	5.5	7.4	10.2	6.7	5.9	5.4	4.8	4.2	4.0	3.7
10%	3.5	3.6	4.6	7.1	6.7	6.6	5.9	5.2	4.7	4.0	3.9	3.7
25%	3.3	3.4	4.1	5.8	5.5	5.8	5.0	4.4	4.0	3.4	3.3	3.6
50%	3.0	3.3	3.7	4.4	4.6	4.6	4.1	3.7	3.6	3.2	3.0	3.0
75%	2.8	2.8	3.4	3.8	4.4	4.1	3.8	3.6	3.5	2.9	2.8	2.8
99.9%	2.4	2.4	2.8	3.4	3.8	3.5	3.1	3.1	3.0	2.8	2.6	2.6

Table G.6-2-5-B. Banks Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Delta VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	3.0	3.2	3.9	4.9	5.3	4.9	4.4	4.1	3.8	3.3	3.1	3.2
Drought Years (1987-1991)	3.2	3.2	3.5	3.9	5.0	6.3	5.7	5.0	4.4	3.7	3.6	3.4

Table G.6-2-5-C. Banks Pumping Plant, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Delta VA minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	-0.2	0.0	-0.1	0.1	0.0	-0.4	0.0	0.1	-0.2	-0.4	-0.5	-0.3
1%	-0.2	0.0	-0.1	0.1	0.0	-0.4	0.0	0.1	-0.1	-0.4	-0.5	-0.3
5%	-0.1	0.0	0.0	0.0	0.0	-0.2	-0.3	-0.1	-0.1	-0.4	-0.4	-0.2
10%	0.0	0.0	0.0	-0.1	-0.2	-0.1	-0.3	-0.1	0.1	-0.1	-0.1	0.0
25%	0.0	0.0	0.0	0.0	0.0	0.1	0.1	-0.3	0.0	-0.1	-0.1	0.0
50%	0.0	0.1	0.0	0.0	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0
75%	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	-0.1	-0.1	0.0
99.9%	0.0	-0.1	0.0	0.2	0.0	0.0	0.0	-0.1	-0.1	0.0	0.1	-0.1

Table G.6-2-5-D. Banks Pumping Plant, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Delta VA minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	0.0	0.0	-0.1	0.0
Drought Years (1987-1991)	0.0	0.1	-0.1	0.0	0.0	-0.1	-0.1	-0.1	0.0	-0.2	-0.2	-0.1

Table G.6-2-6-A. Banks Pumping Plant, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Systemwide VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	3.8	4.0	7.2	7.7	11.0	7.3	6.4	5.9	4.8	4.4	4.3	4.0
1%	3.7	4.0	6.9	7.7	10.9	7.3	6.4	5.8	4.8	4.4	4.2	3.9
5%	3.6	4.0	5.5	7.4	10.2	6.8	6.2	5.5	4.8	4.4	4.1	3.7
10%	3.4	3.6	4.5	7.1	6.9	6.7	5.9	5.2	4.7	4.0	3.9	3.7
25%	3.3	3.4	4.1	5.8	5.5	5.8	5.0	4.4	4.0	3.4	3.3	3.6
50%	3.0	3.3	3.7	4.4	4.6	4.6	4.1	3.7	3.6	3.2	3.0	3.0
75%	2.8	2.8	3.4	3.9	4.4	4.1	3.8	3.6	3.5	2.9	2.8	2.8
99.9%	2.5	2.4	2.8	3.4	3.8	3.5	3.1	3.1	3.0	2.8	2.7	2.6

Table G.6-2-6-B. Banks Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Systemwide VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	3.0	3.2	3.9	4.9	5.3	5.0	4.5	4.1	3.8	3.3	3.1	3.2
Drought Years (1987-1991)	3.1	3.2	3.5	4.0	5.0	6.5	5.7	5.0	4.4	3.7	3.6	3.4

Table G.6-2-6-C. Banks Pumping Plant, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Systemwide VA minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	0.0	0.0	-0.1	0.1	0.0	0.2	0.0	0.1	-0.1	-0.5	-0.4	-0.1
1%	0.0	0.0	-0.1	0.1	0.0	0.1	0.0	0.1	-0.1	-0.4	-0.4	-0.1
5%	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	-0.1	-0.3	-0.2	-0.2
10%	-0.1	0.0	0.0	-0.1	0.0	0.0	-0.2	0.0	0.1	0.0	-0.1	0.0
25%	0.0	0.0	0.0	0.0	0.0	0.1	0.1	-0.3	0.0	-0.1	-0.1	0.0
50%	0.0	0.1	0.0	0.0	0.1	0.1	0.2	-0.1	0.0	0.0	0.0	0.0
75%	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	-0.1	0.0	0.0
99.9%	0.0	-0.1	0.0	0.2	0.0	0.0	0.0	-0.1	-0.2	0.0	0.1	-0.1

Table G.6-2-6-D. Banks Pumping Plant, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Systemwide VA minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	0.0	0.0	-0.1	0.0
Drought Years (1987-1991)	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	-0.1	-0.2	-0.1

Table G.6-2-7-A. Banks Pumping Plant, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 3

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	3.7	4.4	7.2	7.6	11.1	7.8	6.4	5.6	5.4	5.1	4.7	4.0
1%	3.7	4.3	7.0	7.6	10.9	7.7	6.3	5.6	5.4	5.0	4.6	4.0
5%	3.6	4.0	5.7	7.5	10.1	7.2	5.9	5.5	5.3	4.7	4.1	3.9
10%	3.5	3.7	5.5	7.1	6.6	6.9	5.9	4.9	5.3	4.5	4.1	3.9
25%	3.3	3.5	4.3	6.0	5.0	5.7	4.6	4.5	4.9	4.1	4.0	3.7
50%	3.3	3.3	3.7	4.4	4.6	4.8	3.6	3.7	4.2	4.0	3.6	3.4
75%	3.0	3.1	3.4	4.0	4.2	4.1	3.3	3.1	3.8	3.7	3.5	3.2
99.9%	2.5	2.6	3.1	3.4	3.4	3.1	2.8	2.7	3.4	3.5	3.1	2.8

Table G.6-2-7-B. Banks Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 3

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	3.2	3.3	4.1	5.0	5.1	5.0	4.1	3.8	4.3	4.0	3.7	3.4
Drought Years (1987-1991)	3.2	3.3	3.7	4.2	4.8	6.8	5.4	4.7	5.2	4.3	3.9	3.5

Table G.6-2-7-C. Banks Pumping Plant, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 3 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	0.0	0.3	0.0	0.0	0.0	0.6	0.0	-0.2	0.5	0.2	0.1	-0.1
1%	0.0	0.3	0.0	0.0	0.0	0.6	-0.1	-0.1	0.5	0.2	0.0	-0.1
5%	0.0	0.0	0.3	0.1	-0.1	0.3	-0.4	0.1	0.4	0.1	-0.2	0.0
10%	0.0	0.0	0.9	-0.1	-0.3	0.2	-0.3	-0.3	0.6	0.4	0.1	0.1
25%	0.0	0.1	0.3	0.2	-0.5	0.0	-0.2	-0.3	0.9	0.6	0.5	0.2
50%	0.3	0.1	0.0	0.1	0.1	0.2	-0.3	-0.1	0.5	0.8	0.6	0.4
75%	0.2	0.3	0.0	0.2	-0.2	0.1	-0.4	-0.4	0.3	0.7	0.7	0.3
99.9%	0.1	0.1	0.3	0.2	-0.5	-0.5	-0.2	-0.5	0.3	0.7	0.6	0.1

Table G.6-2-7-D. Banks Pumping Plant, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 3 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0.1	0.2	0.2	0.1	-0.2	0.1	-0.3	-0.3	0.5	0.7	0.5	0.2
Drought Years (1987-1991)	0.1	0.1	0.1	0.2	-0.3	0.3	-0.4	-0.4	0.7	0.5	0.2	0.0

Table G.6-2-8-A. Banks Pumping Plant, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 4

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	4.0	4.0	7.3	7.8	11.0	7.2	6.3	5.6	4.8	4.8	4.6	4.2
1%	3.9	4.0	6.9	7.7	10.9	7.1	6.3	5.6	4.8	4.8	4.6	4.2
5%	3.6	4.0	5.5	7.5	10.1	6.7	6.2	5.5	4.8	4.7	4.6	4.1
10%	3.6	3.7	4.5	7.2	6.9	6.6	6.1	5.2	4.8	4.3	4.3	3.9
25%	3.3	3.4	4.1	5.8	5.4	5.7	4.9	4.5	4.0	3.5	3.5	3.6
50%	3.0	3.2	3.7	4.4	4.5	4.5	4.1	3.6	3.6	3.1	3.0	3.0
75%	2.7	2.8	3.4	3.9	4.4	4.2	3.8	3.5	3.5	3.0	2.8	2.7
99.9%	2.5	2.5	2.8	3.3	3.8	3.5	3.1	3.1	2.9	2.8	2.6	2.6

Table G.6-2-8-B. Banks Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 4

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	3.1	3.2	3.9	4.9	5.3	5.0	4.4	4.0	3.8	3.4	3.2	3.2
Drought Years (1987-1991)	3.1	3.2	3.5	4.0	5.0	6.4	5.8	5.0	4.4	3.9	3.9	3.6

Table G.6-2-8-C. Banks Pumping Plant, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 4 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	0.3	0.0	0.0	0.1	0.0	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.1
1%	0.2	0.0	0.0	0.1	0.0	0.0	-0.1	-0.1	-0.1	-0.1	0.0	0.1
5%	0.0	0.0	0.0	0.1	-0.1	-0.2	-0.1	0.0	-0.1	0.0	0.2	0.2
10%	0.1	0.0	-0.1	0.0	0.0	-0.1	0.0	-0.1	0.1	0.2	0.3	0.2
25%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	0.0	0.1	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.2	-0.2	0.0	-0.1	0.0	0.0
75%	-0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	-0.1	-0.1
99.9%	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-0.1	-0.2	-0.1	0.0	-0.1

Table G.6-2-8-D. Banks Pumping Plant, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 4 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	0.0	0.0	0.0	0.0
Drought Years (1987-1991)	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.1	0.1	0.1

Table G.6-3-1-A. Jones Pumping Plant, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	3.7	4.0	7.4	8.0	11.0	7.3	6.2	5.7	4.8	4.9	4.7	4.1
1%	3.7	4.0	7.1	8.0	10.9	7.2	6.2	5.7	4.8	4.8	4.6	4.1
5%	3.6	4.0	5.6	7.6	10.4	6.9	6.2	5.4	4.8	4.6	4.4	4.0
10%	3.5	3.7	4.5	7.4	6.8	6.7	6.1	5.0	4.6	4.1	4.0	3.8
25%	3.3	3.5	4.1	5.7	5.4	5.7	4.8	4.5	4.0	3.5	3.4	3.5
50%	3.1	3.3	3.7	4.4	4.4	4.6	3.9	3.7	3.6	3.2	3.1	3.1
75%	3.0	3.0	3.3	3.9	4.2	3.9	3.6	3.4	3.5	3.1	3.0	3.0
99.9%	2.8	2.7	2.9	3.2	3.7	3.4	2.9	3.1	3.2	3.0	2.7	2.8

Table G.6-3-1-B. Jones Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	3.2	3.2	3.9	5.0	5.2	4.9	4.3	4.0	3.8	3.4	3.3	3.3
Drought Years (1987-1991)	3.2	3.3	3.6	3.9	4.8	6.5	5.8	4.9	4.4	3.9	3.8	3.5

Table G.6-3-2-A. Jones Pumping Plant, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 1

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	3.6	4.0	7.3	7.6	11.0	6.6	6.0	5.6	4.6	4.4	4.3	3.9
1%	3.6	4.0	6.9	7.6	10.8	6.6	6.0	5.5	4.5	4.3	4.2	3.9
5%	3.6	3.9	5.4	7.4	10.1	6.5	6.0	5.2	4.5	4.1	4.0	3.8
10%	3.5	3.9	4.5	7.3	6.6	6.5	6.0	4.9	4.5	3.9	3.9	3.8
25%	3.3	3.4	4.0	5.6	5.3	5.5	4.7	4.3	3.9	3.5	3.4	3.5
50%	3.1	3.2	3.7	4.3	4.2	4.4	3.9	3.5	3.5	3.3	3.2	3.2
75%	2.8	2.9	3.3	3.7	4.1	3.7	3.7	3.4	3.4	3.1	3.0	2.9
99.9%	2.7	2.6	3.0	3.2	3.7	3.4	2.9	3.0	3.1	3.0	2.8	2.6

Table G.6-3-2-B. Jones Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 1

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	3.1	3.2	3.9	4.8	5.1	4.7	4.3	3.9	3.7	3.4	3.3	3.2
Drought Years (1987-1991)	3.2	3.2	3.5	3.8	4.7	6.2	5.6	4.8	4.2	3.7	3.6	3.5

Table G.6-3-2-C. Jones Pumping Plant, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 1 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	-0.1	0.0	-0.2	-0.4	0.0	-0.7	-0.2	-0.1	-0.2	-0.5	-0.4	-0.2
1%	-0.1	0.0	-0.2	-0.4	-0.1	-0.7	-0.2	-0.2	-0.3	-0.5	-0.4	-0.2
5%	0.0	-0.1	-0.2	-0.2	-0.3	-0.4	-0.2	-0.2	-0.3	-0.5	-0.4	-0.2
10%	0.0	0.1	-0.1	-0.2	-0.2	-0.3	-0.1	-0.1	-0.1	-0.2	-0.1	0.0
25%	0.0	-0.1	-0.1	-0.1	-0.1	-0.2	-0.1	-0.2	-0.1	0.0	0.0	0.0
50%	0.0	-0.1	0.0	-0.1	-0.2	-0.2	0.1	-0.2	-0.1	0.1	0.1	0.1
75%	-0.1	-0.1	-0.1	-0.2	-0.1	-0.1	0.0	-0.1	-0.1	0.0	0.0	-0.1
99.9%	-0.1	-0.1	0.1	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0	-0.1

Table G.6-3-2-D. Jones Pumping Plant, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 1 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	-0.1	0.0	-0.1	-0.2	-0.1	-0.2	0.0	-0.1	-0.1	0.0	0.0	0.0
Drought Years (1987-1991)	0.0	-0.1	-0.1	-0.1	-0.1	-0.3	-0.1	-0.1	-0.2	-0.2	-0.1	0.0

Table G.6-3-3-A. Jones Pumping Plant, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 With TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	4.0	4.0	7.4	8.1	11.0	7.4	6.2	5.6	4.7	4.8	4.6	4.2
1%	3.9	4.0	7.0	8.0	10.9	7.3	6.2	5.6	4.7	4.7	4.6	4.2
5%	3.6	4.0	5.6	7.6	10.4	6.9	6.2	5.4	4.7	4.6	4.5	4.1
10%	3.5	3.8	4.6	7.3	6.8	6.7	6.2	4.9	4.6	4.2	4.1	3.9
25%	3.4	3.4	4.1	5.7	5.4	5.7	4.8	4.3	4.0	3.5	3.5	3.5
50%	3.1	3.3	3.7	4.4	4.4	4.6	3.9	3.5	3.6	3.3	3.1	3.1
75%	3.0	3.0	3.4	3.9	4.2	3.8	3.7	3.4	3.5	3.0	3.0	2.9
99.9%	2.8	2.7	2.9	3.3	3.7	3.5	3.0	3.0	3.1	3.0	2.8	2.8

Table G.6-3-3-B. Jones Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 With TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	3.2	3.3	3.9	5.0	5.2	4.9	4.3	3.9	3.7	3.4	3.3	3.3
Drought Years (1987-1991)	3.2	3.3	3.6	3.9	4.9	6.5	5.7	4.9	4.4	3.9	3.9	3.6

Table G.6-3-3-C. Jones Pumping Plant, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 With TUCP Without VA minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	0.3	0.0	-0.1	0.0	0.0	0.1	0.0	-0.1	-0.1	-0.1	0.0	0.1
1%	0.2	0.0	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.1
5%	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	-0.1	0.0	0.2	0.2
10%	0.0	0.1	0.1	-0.1	0.0	0.0	0.0	-0.1	0.0	0.1	0.1	0.1
25%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	0.0	0.1	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	0.0	0.0
75%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99.9%	0.0	0.0	0.0	0.1	0.0	0.0	0.1	-0.1	-0.1	0.0	0.1	0.0

Table G.6-3-3-D. Jones Pumping Plant, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 With TUCP Without VA minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0
Drought Years (1987-1991)	0.0	0.0	0.0	0.0	0.1	0.0	0.0	-0.1	0.0	0.0	0.1	0.1

Table G.6-3-4-A. Jones Pumping Plant, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	3.8	4.0	7.4	8.1	11.0	7.4	6.2	5.6	4.7	4.7	4.5	4.0
1%	3.8	4.0	7.0	8.0	10.9	7.3	6.2	5.6	4.7	4.6	4.5	4.0
5%	3.6	4.0	5.6	7.6	10.4	6.9	6.2	5.4	4.7	4.5	4.4	3.9
10%	3.5	3.8	4.6	7.3	6.8	6.7	6.2	5.0	4.6	4.0	4.0	3.7
25%	3.4	3.4	4.1	5.7	5.4	5.7	4.8	4.3	4.0	3.5	3.5	3.5
50%	3.1	3.3	3.7	4.4	4.5	4.6	4.0	3.5	3.6	3.3	3.1	3.1
75%	3.0	3.0	3.3	3.9	4.2	3.9	3.7	3.4	3.5	3.1	3.0	3.0
99.9%	2.8	2.7	2.9	3.3	3.7	3.5	3.0	3.0	3.1	3.0	2.8	2.8

Table G.6-3-4-B. Jones Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	3.2	3.3	3.9	5.0	5.2	4.9	4.3	3.9	3.7	3.4	3.3	3.3
Drought Years (1987-1991)	3.2	3.3	3.5	3.9	4.9	6.5	5.7	4.9	4.4	3.9	3.8	3.6

Table G.6-3-4-C. Jones Pumping Plant, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Without VA minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	0.1	0.0	-0.1	0.0	0.0	0.1	0.0	-0.1	-0.1	-0.2	-0.2	-0.1
1%	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.2	-0.1	-0.1
5%	-0.1	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	-0.1	-0.1	0.0	0.0
10%	-0.1	0.1	0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25%	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	0.0	0.1	0.0
50%	0.0	0.0	0.0	0.0	0.1	0.0	0.1	-0.1	0.0	0.1	0.0	0.0
75%	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
99.9%	0.0	0.0	0.0	0.1	0.0	0.0	0.1	-0.1	-0.1	0.0	0.1	0.0

Table G.6-3-4-D. Jones Pumping Plant, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Without VA minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	0.0	0.0	0.0	0.0
Drought Years (1987-1991)	0.0	0.0	-0.1	0.0	0.1	0.0	0.0	-0.1	0.0	0.0	0.0	0.0

Table G.6-3-5-A. Jones Pumping Plant, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Delta VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	3.6	4.0	7.4	8.1	11.0	6.8	6.2	5.8	4.7	4.5	4.2	3.8
1%	3.6	4.0	7.0	8.0	10.9	6.8	6.1	5.7	4.7	4.5	4.1	3.8
5%	3.5	4.0	5.6	7.6	10.4	6.8	6.0	5.3	4.7	4.2	4.0	3.7
10%	3.5	3.8	4.6	7.3	6.6	6.7	5.8	5.0	4.6	4.0	3.9	3.7
25%	3.3	3.5	4.1	5.7	5.4	5.7	4.8	4.3	4.0	3.5	3.3	3.5
50%	3.1	3.3	3.7	4.4	4.4	4.3	4.0	3.6	3.6	3.3	3.1	3.1
75%	3.0	3.0	3.4	3.8	4.3	3.9	3.7	3.4	3.5	3.0	2.9	3.0
99.9%	2.8	2.7	2.9	3.3	3.7	3.5	2.9	3.0	3.1	2.9	2.8	2.8

Table G.6-3-5-B. Jones Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Delta VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	3.1	3.3	3.9	5.0	5.2	4.8	4.3	4.0	3.7	3.4	3.2	3.2
Drought Years (1987-1991)	3.2	3.3	3.5	3.9	4.9	6.4	5.6	4.9	4.4	3.7	3.6	3.4

Table G.6-3-5-C. Jones Pumping Plant, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Delta VA minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	-0.2	0.0	-0.1	0.0	0.0	-0.5	-0.1	0.1	-0.1	-0.4	-0.5	-0.3
1%	-0.2	0.0	-0.1	0.0	0.0	-0.4	-0.1	0.0	-0.1	-0.4	-0.5	-0.3
5%	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.1	-0.1	-0.4	-0.4	-0.2
10%	0.0	0.1	0.0	-0.1	-0.2	-0.1	-0.3	0.0	0.0	-0.1	-0.1	0.0
25%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	0.0	-0.1	0.0
50%	0.0	0.0	0.0	0.0	0.0	-0.3	0.2	0.0	0.0	0.1	0.0	0.0
75%	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
99.9%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.1	0.0

Table G.6-3-5-D. Jones Pumping Plant, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Delta VA minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0.0	0.0	0.0	0.0	0.0	-0.1	0.1	0.0	0.0	0.0	-0.1	0.0
Drought Years (1987-1991)	0.0	0.1	0.0	-0.1	0.1	-0.1	-0.1	0.0	0.0	-0.1	-0.2	-0.1

Table G.6-3-6-A. Jones Pumping Plant, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Systemwide VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	3.8	4.0	7.4	8.1	11.0	7.5	6.2	5.8	4.7	4.4	4.3	4.0
1%	3.7	4.0	7.0	8.0	10.9	7.4	6.2	5.7	4.7	4.4	4.2	3.9
5%	3.6	4.0	5.6	7.6	10.4	6.9	6.2	5.4	4.7	4.4	4.1	3.8
10%	3.4	3.8	4.6	7.3	6.8	6.7	5.9	5.0	4.6	4.0	3.9	3.7
25%	3.3	3.4	4.1	5.7	5.4	5.7	4.8	4.3	4.0	3.5	3.3	3.5
50%	3.1	3.3	3.7	4.4	4.4	4.3	4.0	3.6	3.6	3.3	3.1	3.1
75%	3.0	3.0	3.4	3.9	4.2	3.9	3.7	3.4	3.5	3.0	2.9	3.0
99.9%	2.8	2.7	2.9	3.4	3.7	3.5	3.0	3.0	3.0	2.9	2.8	2.8

Table G.6-3-6-B. Jones Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Systemwide VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	3.1	3.3	3.9	5.0	5.2	4.9	4.3	3.9	3.7	3.4	3.2	3.2
Drought Years (1987-1991)	3.2	3.3	3.6	3.9	4.9	6.5	5.7	4.9	4.4	3.8	3.6	3.4

Table G.6-3-6-C. Jones Pumping Plant, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Systemwide VA minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	0.0	0.0	-0.1	0.0	0.0	0.2	0.0	0.0	-0.1	-0.4	-0.4	-0.1
1%	0.0	0.0	-0.1	0.0	0.0	0.2	0.0	0.0	-0.1	-0.4	-0.4	-0.1
5%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.2	-0.2
10%	-0.1	0.1	0.0	-0.1	0.0	0.0	-0.3	0.0	0.0	-0.1	-0.1	0.0
25%	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	0.0	-0.1	0.0
50%	0.0	0.0	0.0	0.0	0.0	-0.3	0.2	-0.1	0.0	0.1	0.0	0.0
75%	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
99.9%	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-0.1	-0.1	0.0	0.1	0.0

Table G.6-3-6-D. Jones Pumping Plant, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Systemwide VA minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	0.0	0.0	-0.1	0.0
Drought Years (1987-1991)	-0.1	0.0	0.0	0.0	0.1	0.0	-0.1	0.0	0.0	-0.1	-0.2	-0.1

Table G.6-3-7-A. Jones Pumping Plant, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 3

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	3.7	4.3	7.4	8.1	11.0	7.7	6.4	5.4	5.4	5.1	4.7	4.0
1%	3.7	4.3	7.1	8.0	10.9	7.6	6.3	5.4	5.3	5.0	4.6	3.9
5%	3.6	4.0	5.8	7.6	10.4	7.2	5.9	5.3	5.2	4.7	4.2	3.9
10%	3.5	3.8	5.6	7.4	6.6	6.9	5.9	4.9	5.0	4.5	4.0	3.9
25%	3.4	3.5	4.2	6.0	5.0	5.6	4.7	4.2	4.6	4.1	3.9	3.7
50%	3.3	3.3	3.8	4.4	4.4	4.6	3.7	3.6	4.0	4.0	3.6	3.4
75%	3.1	3.1	3.4	4.0	4.1	3.9	3.3	3.1	3.7	3.7	3.5	3.2
99.9%	2.8	2.7	2.9	3.2	3.4	3.1	2.8	2.8	3.5	3.5	3.2	2.9

Table G.6-3-7-B. Jones Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 3

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	3.2	3.4	4.1	5.1	5.0	4.9	4.0	3.7	4.2	4.0	3.7	3.4
Drought Years (1987-1991)	3.3	3.3	3.7	4.1	4.6	6.7	5.4	4.5	5.0	4.4	3.9	3.5

Table G.6-3-7-C. Jones Pumping Plant, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 3 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	0.0	0.3	0.0	0.0	0.0	0.4	0.2	-0.3	0.6	0.2	0.1	-0.2
1%	0.0	0.3	0.0	0.0	0.0	0.4	0.1	-0.3	0.5	0.2	0.0	-0.1
5%	0.0	0.0	0.2	0.0	-0.1	0.2	-0.2	-0.1	0.4	0.1	-0.2	0.0
10%	0.0	0.0	1.0	-0.1	-0.2	0.1	-0.3	-0.1	0.4	0.5	0.0	0.1
25%	0.1	0.1	0.1	0.3	-0.4	-0.1	-0.2	-0.3	0.7	0.6	0.5	0.1
50%	0.2	0.0	0.1	0.0	0.0	0.0	-0.2	0.0	0.4	0.8	0.5	0.4
75%	0.1	0.2	0.1	0.1	-0.1	0.0	-0.4	-0.4	0.2	0.6	0.6	0.3
99.9%	0.0	0.0	0.0	0.0	-0.3	-0.3	-0.1	-0.4	0.3	0.5	0.5	0.2

Table G.6-3-7-D. Jones Pumping Plant, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 3 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0.1	0.1	0.2	0.1	-0.2	0.0	-0.2	-0.3	0.4	0.6	0.4	0.2
Drought Years (1987-1991)	0.1	0.1	0.1	0.1	-0.2	0.2	-0.3	-0.5	0.6	0.5	0.2	0.0

Table G.6-3-8-A. Jones Pumping Plant, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 4

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	4.0	4.0	7.4	8.1	11.0	7.3	6.2	5.6	4.7	4.8	4.6	4.2
1%	3.9	4.0	7.1	8.0	10.9	7.2	6.2	5.6	4.7	4.7	4.6	4.2
5%	3.6	4.0	5.6	7.6	10.4	6.8	6.2	5.4	4.7	4.6	4.6	4.1
10%	3.6	3.8	4.6	7.4	6.8	6.7	6.1	4.9	4.6	4.2	4.2	3.9
25%	3.4	3.4	4.1	5.7	5.4	5.7	4.8	4.3	4.0	3.5	3.6	3.5
50%	3.1	3.3	3.7	4.3	4.4	4.6	3.9	3.5	3.6	3.2	3.0	3.1
75%	2.9	3.0	3.4	3.9	4.2	3.9	3.6	3.4	3.5	3.0	2.9	2.9
99.9%	2.8	2.7	2.9	3.3	3.7	3.5	3.0	3.0	3.0	2.9	2.8	2.8

Table G.6-3-8-B. Jones Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 4

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	3.2	3.3	4.0	5.0	5.2	4.9	4.3	3.9	3.7	3.4	3.3	3.3
Drought Years (1987-1991)	3.2	3.3	3.6	3.9	4.9	6.5	5.7	4.9	4.4	3.9	3.9	3.6

Table G.6-3-8-C. Jones Pumping Plant, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 4 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	0.3	0.0	0.0	0.1	0.0	0.1	0.0	-0.1	-0.1	-0.1	0.0	0.1
1%	0.2	0.0	0.0	0.1	0.0	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.1
5%	0.0	0.0	0.0	0.1	-0.1	-0.1	0.0	0.0	-0.1	0.0	0.2	0.1
10%	0.1	0.0	0.1	-0.1	0.0	-0.1	0.0	-0.1	0.0	0.1	0.2	0.2
25%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	0.0	0.1	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	0.0	0.0	-0.1	0.0
75%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
99.9%	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-0.1	-0.2	0.0	0.0	0.0

Table G.6-3-8-D. Jones Pumping Plant, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 4 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0
Drought Years (1987-1991)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	0.1	0.1

Table G.6-4-1-A. San Joaquin River at Antioch, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	3.0	3.8	5.0	5.2	6.1	4.9	5.4	4.1	3.2	3.0	2.9	2.8
1%	2.9	3.8	5.0	5.2	6.0	4.9	5.4	4.1	3.2	3.0	2.9	2.8
5%	2.6	3.8	5.0	5.2	5.5	4.7	5.3	4.0	3.2	2.9	2.8	2.8
10%	2.6	3.4	4.3	5.0	5.1	4.7	4.4	3.9	3.1	2.7	2.7	2.7
25%	2.4	2.7	3.3	4.0	4.0	4.1	3.7	3.3	2.9	2.5	2.4	2.6
50%	2.2	2.4	2.6	3.2	3.2	3.6	3.2	3.0	2.8	2.4	2.3	2.3
75%	2.2	2.2	2.3	2.7	3.0	3.1	2.9	2.8	2.5	2.3	2.2	2.2
99.9%	2.0	2.1	2.1	2.2	2.6	2.6	2.5	2.3	2.3	2.2	2.1	2.1

Table G.6-4-1-B. San Joaquin River at Antioch, Monthly Average Dissolved Organic Carbon (in milligrams per liter), No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	2.3	2.6	3.0	3.4	3.7	3.7	3.4	3.1	2.7	2.4	2.3	2.4
Drought Years (1987-1991)	2.3	2.3	2.4	3.0	3.4	4.2	4.3	3.5	2.9	2.6	2.6	2.5

Table G.6-4-2-A. San Joaquin River at Antioch, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 1

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	3.0	3.8	5.0	5.1	6.0	4.8	5.3	4.1	3.2	2.8	2.8	2.8
1%	2.9	3.8	5.0	5.1	5.9	4.8	5.3	4.1	3.2	2.8	2.8	2.8
5%	2.6	3.8	5.0	5.1	5.3	4.7	5.0	3.9	3.1	2.8	2.7	2.7
10%	2.6	3.3	4.3	4.9	5.0	4.5	4.4	3.8	3.0	2.7	2.6	2.7
25%	2.5	2.7	3.3	4.0	3.9	4.1	3.6	3.2	2.8	2.6	2.4	2.6
50%	2.3	2.4	2.7	3.0	3.2	3.3	3.1	2.9	2.7	2.4	2.3	2.4
75%	2.1	2.2	2.3	2.7	2.9	3.0	2.9	2.7	2.4	2.3	2.2	2.2
99.9%	2.0	2.1	2.1	2.3	2.5	2.5	2.4	2.2	2.2	2.1	2.1	2.0

Table G.6-4-2-B. San Joaquin River at Antioch, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 1

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	2.3	2.6	3.0	3.4	3.6	3.6	3.4	3.0	2.7	2.4	2.3	2.4
Drought Years (1987-1991)	2.3	2.3	2.4	3.0	3.4	4.1	4.2	3.4	2.8	2.5	2.5	2.5

Table G.6-4-2-C. San Joaquin River at Antioch, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 1 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	-0.1	-0.1	0.0
1%	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	-0.1	-0.1	0.0
5%	0.0	0.0	0.0	-0.1	-0.2	-0.1	-0.3	-0.2	-0.1	-0.1	-0.1	0.0
10%	0.0	0.0	0.0	-0.1	-0.1	-0.1	0.0	-0.1	0.0	0.0	-0.1	0.0
25%	0.1	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	-0.2	-0.1	-0.3	-0.1	-0.1	-0.1	0.0	0.0	0.1
75%	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	-0.1	-0.1	0.0	0.0	0.0
99.9%	0.0	0.0	0.0	0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0

Table G.6-4-2-D. San Joaquin River at Antioch, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 1 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0
Drought Years (1987-1991)	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0

Table G.6-4-3-A. San Joaquin River at Antioch, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 With TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	3.0	3.8	5.0	5.2	6.1	5.0	5.4	4.1	3.2	2.9	2.9	2.8
1%	2.9	3.8	5.0	5.2	6.0	4.9	5.4	4.1	3.2	2.9	2.9	2.8
5%	2.6	3.8	5.0	5.2	5.5	4.8	5.3	4.0	3.1	2.9	2.9	2.8
10%	2.6	3.4	4.3	4.9	5.1	4.7	4.4	3.9	3.0	2.8	2.8	2.8
25%	2.5	2.7	3.3	4.0	4.1	4.1	3.7	3.3	2.9	2.5	2.5	2.6
50%	2.2	2.4	2.6	3.2	3.3	3.6	3.2	2.9	2.7	2.4	2.3	2.3
75%	2.1	2.2	2.3	2.7	3.0	3.0	3.0	2.7	2.5	2.3	2.2	2.2
99.9%	2.0	2.1	2.1	2.3	2.7	2.6	2.5	2.2	2.2	2.2	2.1	2.1

Table G.6-4-3-B. San Joaquin River at Antioch, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 With TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	2.3	2.6	3.0	3.4	3.7	3.7	3.4	3.0	2.7	2.4	2.4	2.4
Drought Years (1987-1991)	2.3	2.3	2.4	3.0	3.4	4.2	4.3	3.5	2.9	2.6	2.6	2.5

Table G.6-4-3-C. San Joaquin River at Antioch, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 With TUCP Without VA minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-0.1	0.0	0.0
1%	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-0.1	0.0	0.0
5%	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
25%	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.1	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0
75%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0
99.9%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0

Table G.6-4-3-D. San Joaquin River at Antioch, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 With TUCP Without VA minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0
Drought Years (1987-1991)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table G.6-4-4-A. San Joaquin River at Antioch, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	3.0	3.8	5.0	5.2	6.1	5.0	5.4	4.1	3.2	2.9	2.8	2.8
1%	2.9	3.8	5.0	5.2	6.0	4.9	5.3	4.1	3.2	2.9	2.8	2.8
5%	2.6	3.8	5.0	5.2	5.5	4.8	5.2	3.9	3.1	2.8	2.8	2.7
10%	2.5	3.4	4.3	4.9	5.1	4.7	4.4	3.8	3.0	2.7	2.7	2.7
25%	2.4	2.7	3.3	4.0	4.1	4.1	3.6	3.2	2.8	2.5	2.5	2.6
50%	2.2	2.4	2.6	3.2	3.3	3.6	3.2	2.9	2.7	2.4	2.3	2.3
75%	2.1	2.2	2.3	2.7	3.0	3.0	3.0	2.7	2.5	2.3	2.2	2.2
99.9%	2.0	2.1	2.1	2.3	2.6	2.6	2.5	2.2	2.2	2.2	2.1	2.1

Table G.6-4-4-B. San Joaquin River at Antioch, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	2.3	2.6	3.0	3.4	3.7	3.6	3.4	3.0	2.7	2.4	2.3	2.4
Drought Years (1987-1991)	2.3	2.3	2.4	3.0	3.3	4.2	4.3	3.5	2.9	2.6	2.6	2.5

Table G.6-4-4-C. San Joaquin River at Antioch, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Without VA minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-0.1	-0.1	0.0
1%	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0	-0.1	-0.1	0.0
5%	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	-0.2	-0.1	-0.1	0.0	-0.1
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0
25%	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.1	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.1	-0.1	0.0	-0.1	-0.1	0.0	0.0	0.0
75%	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0
99.9%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0

Table G.6-4-4-D. San Joaquin River at Antioch, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Without VA minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0
Drought Years (1987-1991)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0

Table G.6-4-5-A. San Joaquin River at Antioch, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Delta VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	3.0	3.8	5.0	5.2	6.1	4.9	5.5	4.2	3.2	2.9	2.7	2.8
1%	2.9	3.8	5.0	5.2	6.0	4.9	5.4	4.1	3.2	2.9	2.7	2.8
5%	2.6	3.8	5.0	5.2	5.5	4.8	5.2	3.9	3.1	2.8	2.7	2.7
10%	2.5	3.4	4.3	4.9	5.1	4.7	4.4	3.9	3.0	2.7	2.7	2.6
25%	2.4	2.7	3.3	4.0	4.1	4.2	3.6	3.2	2.8	2.6	2.4	2.6
50%	2.2	2.4	2.6	3.2	3.3	3.6	3.2	2.9	2.7	2.4	2.2	2.3
75%	2.1	2.2	2.3	2.7	3.0	3.2	3.0	2.8	2.5	2.3	2.2	2.2
99.9%	2.0	2.1	2.1	2.3	2.6	2.6	2.5	2.2	2.2	2.2	2.1	2.1

Table G.6-4-5-B. San Joaquin River at Antioch, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Delta VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	2.3	2.6	3.0	3.4	3.7	3.7	3.5	3.0	2.7	2.4	2.3	2.4
Drought Years (1987-1991)	2.3	2.3	2.4	3.0	3.5	4.3	4.3	3.5	2.9	2.6	2.5	2.5

Table G.6-4-5-C. San Joaquin River at Antioch, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Delta VA minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	-0.1	-0.2	0.0
1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2	0.0
5%	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.1
10%	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
25%	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	-0.1	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.1	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0
75%	0.0	0.0	0.0	-0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
99.9%	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0

Table G.6-4-5-D. San Joaquin River at Antioch, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Delta VA minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Drought Years (1987-1991)	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	-0.1	-0.1

Table G.6-4-6-A. San Joaquin River at Antioch, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Systemwide VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	3.0	3.8	5.0	5.2	6.1	4.9	5.4	4.1	3.2	2.8	2.7	2.8
1%	2.9	3.8	5.0	5.2	6.0	4.9	5.4	4.1	3.2	2.8	2.7	2.8
5%	2.6	3.8	5.0	5.2	5.5	4.8	5.2	3.9	3.1	2.8	2.7	2.7
10%	2.5	3.4	4.3	4.9	5.1	4.7	4.4	3.8	3.0	2.7	2.7	2.7
25%	2.4	2.7	3.3	4.0	4.1	4.2	3.6	3.2	2.8	2.6	2.4	2.6
50%	2.2	2.4	2.6	3.2	3.3	3.6	3.2	2.8	2.7	2.4	2.2	2.3
75%	2.1	2.2	2.3	2.7	3.0	3.1	3.0	2.7	2.5	2.3	2.2	2.2
99.9%	2.0	2.1	2.1	2.3	2.5	2.6	2.5	2.2	2.2	2.2	2.1	2.1

Table G.6-4-6-B. San Joaquin River at Antioch, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Systemwide VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	2.3	2.6	3.0	3.4	3.7	3.7	3.4	3.0	2.7	2.4	2.3	2.4
Drought Years (1987-1991)	2.3	2.3	2.4	3.0	3.3	4.2	4.3	3.5	2.8	2.6	2.5	2.5

Table G.6-4-6-C. San Joaquin River at Antioch, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Systemwide VA minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2	0.0
1%	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-0.1	-0.2	0.0
5%	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	-0.2	-0.1	-0.1	-0.1	-0.1
10%	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0
25%	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	-0.1	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.1	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0
75%	0.0	0.0	0.0	-0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
99.9%	0.0	0.0	0.0	0.1	-0.1	0.0	0.0	-0.1	0.0	0.0	0.0	0.0

Table G.6-4-6-D. San Joaquin River at Antioch, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Systemwide VA minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0
Drought Years (1987-1991)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	-0.1	-0.1

Table G.6-4-7-A. San Joaquin River at Antioch, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 3

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	3.0	3.9	5.1	5.3	6.2	5.1	5.5	4.4	3.4	3.0	2.9	2.8
1%	2.9	3.8	5.1	5.3	6.1	5.0	5.5	4.4	3.4	3.0	2.9	2.8
5%	2.7	3.8	5.0	5.2	5.5	4.7	5.4	4.1	3.3	2.9	2.8	2.7
10%	2.5	3.4	4.3	5.0	5.1	4.7	4.6	4.1	3.2	2.9	2.8	2.7
25%	2.4	2.8	3.3	4.3	4.1	4.1	3.7	3.4	3.1	2.8	2.7	2.6
50%	2.3	2.4	2.9	3.3	3.8	3.7	3.3	3.2	3.0	2.7	2.6	2.5
75%	2.2	2.2	2.3	2.9	3.2	3.5	3.1	2.9	2.8	2.6	2.5	2.4
99.9%	2.1	2.2	2.2	2.3	2.6	3.1	2.7	2.4	2.5	2.5	2.3	2.1

Table G.6-4-7-B. San Joaquin River at Antioch, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 3

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	2.3	2.6	3.1	3.6	3.9	3.8	3.6	3.3	3.0	2.7	2.6	2.5
Drought Years (1987-1991)	2.3	2.3	2.5	3.1	3.5	4.4	4.4	3.8	3.1	2.8	2.6	2.5

Table G.6-4-7-C. San Joaquin River at Antioch, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 3 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	0.0	0.1	0.0	0.0	0.1	0.2	0.1	0.3	0.2	0.0	0.0	0.0
1%	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.0	0.0	0.0
5%	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	-0.1
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.1	0.0
25%	0.0	0.1	0.0	0.3	0.1	0.0	0.0	0.1	0.3	0.3	0.2	0.0
50%	0.1	0.0	0.2	0.1	0.5	0.0	0.1	0.2	0.2	0.4	0.3	0.2
75%	0.1	0.1	0.0	0.2	0.3	0.4	0.2	0.2	0.3	0.4	0.3	0.2
99.9%	0.1	0.1	0.1	0.1	-0.1	0.5	0.2	0.1	0.2	0.3	0.2	0.1

Table G.6-4-7-D. San Joaquin River at Antioch, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 3 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0.0	0.0	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.3	0.2	0.1
Drought Years (1987-1991)	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.0

Table G.6-4-8-A. San Joaquin River at Antioch, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 4

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	3.0	3.8	5.0	5.2	6.1	4.9	5.4	4.1	3.2	2.9	2.9	2.8
1%	2.9	3.8	5.0	5.2	6.0	4.9	5.4	4.1	3.2	2.9	2.9	2.8
5%	2.6	3.8	5.0	5.2	5.5	4.7	5.3	4.0	3.1	2.9	2.9	2.8
10%	2.6	3.4	4.3	5.0	5.1	4.7	4.4	3.9	3.0	2.8	2.8	2.8
25%	2.5	2.8	3.3	4.0	4.0	4.1	3.6	3.2	2.9	2.5	2.5	2.6
50%	2.2	2.4	2.7	3.2	3.2	3.6	3.2	2.9	2.7	2.4	2.2	2.3
75%	2.2	2.2	2.3	2.7	3.0	3.0	2.9	2.7	2.5	2.3	2.2	2.2
99.9%	2.0	2.1	2.1	2.2	2.6	2.6	2.4	2.2	2.2	2.2	2.1	2.1

Table G.6-4-8-B. San Joaquin River at Antioch, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 4

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	2.3	2.6	3.0	3.4	3.6	3.6	3.4	3.0	2.7	2.4	2.4	2.4
Drought Years (1987-1991)	2.3	2.3	2.4	3.0	3.3	4.2	4.3	3.5	2.9	2.6	2.6	2.6

Table G.6-4-8-C. San Joaquin River at Antioch, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 4 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0
1%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.1
25%	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0	0.1	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0
75%	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0
99.9%	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0

Table G.6-4-8-D. San Joaquin River at Antioch, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 4 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0
Drought Years (1987-1991)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table G.6-5-1-A. Contra Costa Water District Pumping Plant #1, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	3.1	4.1	5.6	6.0	9.9	6.8	6.5	5.2	4.6	4.1	3.9	3.6
1%	3.1	4.0	5.5	6.0	9.5	6.7	6.4	5.2	4.5	4.0	3.8	3.5
5%	3.0	3.7	4.9	5.8	7.3	6.3	6.1	5.1	4.3	3.9	3.6	3.4
10%	3.0	3.6	4.5	5.7	5.8	5.8	6.0	5.0	4.2	3.4	3.3	3.3
25%	2.8	3.1	4.0	5.0	5.2	5.5	5.0	4.7	3.5	3.0	2.9	3.0
50%	2.5	2.8	3.3	3.9	4.9	4.9	4.7	3.8	3.3	2.7	2.6	2.6
75%	2.3	2.4	2.9	3.4	4.2	4.5	4.1	3.6	3.0	2.6	2.4	2.4
99.9%	2.1	2.2	2.4	2.7	3.6	3.5	3.5	3.0	2.7	2.4	2.3	2.2

Table G.6-5-1-B. Contra Costa Water District Pumping Plant #1, Monthly Average Dissolved Organic Carbon (in milligrams per liter), No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	2.6	2.9	3.4	4.2	5.0	5.0	4.7	4.1	3.3	2.9	2.7	2.7
Drought Years (1987-1991)	2.7	2.7	3.0	3.6	4.7	5.3	5.5	4.7	3.7	3.3	3.2	2.9

Table G.6-5-2-A. Contra Costa Water District Pumping Plant #1, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 1

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	3.1	4.1	5.4	5.6	9.4	6.4	6.2	5.0	4.5	3.7	3.7	3.6
1%	3.1	4.1	5.3	5.6	8.9	6.3	6.1	5.0	4.4	3.7	3.7	3.5
5%	3.1	3.7	5.0	5.5	6.5	5.9	5.9	5.0	4.0	3.4	3.4	3.3
10%	3.0	3.5	4.5	5.4	5.6	5.6	5.4	4.9	3.9	3.3	3.3	3.2
25%	2.8	3.0	3.8	4.6	4.8	5.2	5.1	4.2	3.5	3.0	2.9	3.0
50%	2.5	2.7	3.3	3.7	4.5	4.7	4.4	3.8	3.2	2.7	2.6	2.7
75%	2.3	2.4	2.7	3.3	3.9	4.0	3.9	3.4	2.8	2.6	2.4	2.3
99.9%	2.1	2.3	2.5	2.8	3.5	3.2	3.1	2.8	2.6	2.4	2.3	2.2

Table G.6-5-2-B. Contra Costa Water District Pumping Plant #1, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 1

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	2.5	2.8	3.4	4.0	4.7	4.7	4.5	3.8	3.2	2.8	2.7	2.7
Drought Years (1987-1991)	2.7	2.6	2.9	3.5	4.5	5.0	5.2	4.5	3.5	3.1	3.1	2.9

Table G.6-5-2-C. Contra Costa Water District Pumping Plant #1, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 1 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	0.0	0.0	-0.2	-0.4	-0.6	-0.5	-0.3	-0.3	-0.1	-0.4	-0.2	0.0
1%	0.0	0.0	-0.1	-0.4	-0.6	-0.4	-0.3	-0.3	-0.2	-0.4	-0.2	0.0
5%	0.0	0.0	0.1	-0.3	-0.8	-0.4	-0.2	-0.2	-0.3	-0.4	-0.2	0.0
10%	-0.1	-0.1	-0.1	-0.3	-0.2	-0.2	-0.7	-0.1	-0.3	-0.1	0.0	-0.1
25%	-0.1	0.0	-0.1	-0.4	-0.4	-0.3	0.1	-0.5	0.0	0.0	0.0	0.0
50%	0.0	-0.1	0.0	-0.2	-0.4	-0.2	-0.3	-0.1	-0.1	0.0	0.1	0.1
75%	0.0	-0.1	-0.1	-0.1	-0.3	-0.5	-0.3	-0.2	-0.2	0.0	0.0	-0.1
99.9%	0.0	0.1	0.1	0.0	-0.1	-0.3	-0.4	-0.2	-0.1	0.0	0.0	0.0

Table G.6-5-2-D. Contra Costa Water District Pumping Plant #1, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 1 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0.0	0.0	0.0	-0.2	-0.3	-0.3	-0.2	-0.2	-0.1	0.0	0.0	0.0
Drought Years (1987-1991)	0.0	-0.1	-0.1	-0.2	-0.2	-0.3	-0.3	-0.2	-0.1	-0.2	-0.1	0.0

Table G.6-5-3-A. Contra Costa Water District Pumping Plant #1, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 With TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	3.2	4.0	5.5	6.8	10.0	7.9	6.4	5.1	4.6	4.0	3.9	3.6
1%	3.2	4.0	5.4	6.7	9.5	7.6	6.4	5.1	4.5	3.9	3.8	3.5
5%	3.1	3.7	4.9	5.9	7.3	6.4	6.1	5.0	4.2	3.8	3.8	3.5
10%	3.1	3.6	4.5	5.7	6.8	5.8	5.8	5.0	4.1	3.6	3.6	3.4
25%	2.8	3.1	3.9	5.1	5.4	5.5	5.2	4.5	3.6	3.0	3.0	3.1
50%	2.4	2.8	3.3	3.8	4.9	5.0	4.4	3.8	3.2	2.7	2.6	2.6
75%	2.3	2.5	2.8	3.5	4.2	4.2	3.9	3.4	3.0	2.6	2.4	2.4
99.9%	2.1	2.2	2.4	3.0	3.7	3.5	3.2	2.9	2.6	2.4	2.3	2.2

Table G.6-5-3-B. Contra Costa Water District Pumping Plant #1, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 With TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	2.6	2.8	3.4	4.3	5.1	5.0	4.5	3.9	3.3	2.9	2.8	2.8
Drought Years (1987-1991)	2.7	2.7	3.0	3.7	4.6	5.3	5.4	4.6	3.7	3.3	3.3	3.0

Table G.6-5-3-C. Contra Costa Water District Pumping Plant #1, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 With TUCP Without VA minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	0.1	-0.1	-0.1	0.9	0.0	1.1	-0.1	-0.1	0.0	-0.1	0.0	0.0
1%	0.1	0.0	0.0	0.7	0.0	0.9	-0.1	-0.1	0.0	-0.1	0.0	0.0
5%	0.0	0.0	0.0	0.1	0.0	0.1	-0.1	-0.1	-0.2	0.0	0.2	0.1
10%	0.0	0.0	0.0	0.0	1.0	0.0	-0.2	0.0	-0.1	0.2	0.3	0.1
25%	0.0	0.0	-0.1	0.0	0.2	0.0	0.2	-0.2	0.0	0.0	0.1	0.1
50%	0.0	0.0	0.0	0.0	0.0	0.1	-0.3	-0.1	-0.1	0.0	0.0	0.0
75%	0.0	0.0	0.0	0.0	0.0	-0.3	-0.2	-0.3	0.0	0.0	0.0	0.0
99.9%	0.0	0.0	0.0	0.2	0.1	0.0	-0.3	-0.2	-0.1	0.0	0.0	0.0

Table G.6-5-3-D. Contra Costa Water District Pumping Plant #1, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 With TUCP Without VA minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0.0	0.0	0.0	0.0	0.1	0.0	-0.2	-0.2	0.0	0.0	0.0	0.0
Drought Years (1987-1991)	0.0	-0.1	0.0	0.0	-0.1	0.0	-0.1	-0.1	0.0	0.0	0.1	0.1

Table G.6-5-4-A. Contra Costa Water District Pumping Plant #1, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	3.1	4.0	5.5	6.6	10.0	7.9	6.6	5.1	4.6	3.8	3.7	3.6
1%	3.1	4.0	5.4	6.5	9.5	7.5	6.5	5.0	4.5	3.8	3.7	3.5
5%	3.1	3.7	4.9	5.9	7.3	6.1	6.1	5.0	4.1	3.7	3.6	3.4
10%	3.0	3.6	4.5	5.7	6.4	5.7	5.6	5.0	4.1	3.4	3.3	3.3
25%	2.8	3.1	3.9	5.1	5.4	5.5	5.2	4.3	3.5	3.0	3.0	3.1
50%	2.4	2.8	3.1	3.8	4.7	5.0	4.4	3.8	3.2	2.7	2.6	2.6
75%	2.3	2.5	2.8	3.5	4.2	4.2	3.9	3.4	3.0	2.6	2.4	2.4
99.9%	2.1	2.2	2.4	3.0	3.7	3.5	3.2	2.9	2.6	2.4	2.3	2.2

Table G.6-5-4-B. Contra Costa Water District Pumping Plant #1, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	2.6	2.8	3.4	4.3	5.1	5.0	4.5	3.9	3.3	2.9	2.7	2.7
Drought Years (1987-1991)	2.7	2.7	2.9	3.7	4.6	5.3	5.4	4.5	3.7	3.2	3.2	3.0

Table G.6-5-4-C. Contra Costa Water District Pumping Plant #1, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Without VA minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	0.0	-0.1	-0.1	0.6	0.0	1.0	0.1	-0.2	0.0	-0.2	-0.2	0.0
1%	0.0	0.0	0.0	0.5	0.0	0.8	0.1	-0.2	0.0	-0.2	-0.1	0.0
5%	0.0	0.0	0.0	0.1	0.0	-0.2	0.0	-0.1	-0.2	-0.2	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.6	-0.1	-0.4	0.0	-0.1	0.0	0.0	0.0
25%	0.0	0.0	-0.1	0.0	0.2	0.0	0.1	-0.4	-0.1	0.0	0.1	0.0
50%	0.0	0.0	-0.2	0.0	-0.2	0.1	-0.3	-0.1	-0.1	0.0	0.0	0.0
75%	0.0	0.0	0.0	0.0	0.0	-0.3	-0.2	-0.3	0.0	0.0	0.0	0.0
99.9%	0.0	0.0	0.0	0.2	0.1	0.0	-0.3	-0.2	-0.1	0.0	0.0	0.0

Table G.6-5-4-D. Contra Costa Water District Pumping Plant #1, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Without VA minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.2	0.0	0.0	0.0	0.0
Drought Years (1987-1991)	0.0	-0.1	-0.1	0.0	-0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0

Table G.6-5-5-A. Contra Costa Water District Pumping Plant #1, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Delta VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	3.1	4.0	5.5	6.6	10.0	7.3	6.7	5.2	4.6	3.7	3.5	3.6
1%	3.1	4.0	5.4	6.5	9.5	7.2	6.7	5.2	4.5	3.6	3.5	3.5
5%	3.1	3.7	4.9	5.9	7.3	7.2	6.6	5.1	4.2	3.5	3.3	3.2
10%	3.0	3.6	4.5	5.7	6.4	6.2	5.6	5.0	4.0	3.4	3.3	3.2
25%	2.8	3.1	3.9	5.1	5.5	5.5	5.2	4.3	3.5	3.0	2.8	3.0
50%	2.4	2.8	3.1	3.8	4.9	5.0	4.6	3.8	3.2	2.7	2.5	2.6
75%	2.3	2.5	2.9	3.6	4.2	4.5	4.0	3.5	3.0	2.6	2.4	2.3
99.9%	2.1	2.2	2.4	3.0	3.7	3.5	3.3	2.9	2.6	2.4	2.3	2.2

Table G.6-5-5-B. Contra Costa Water District Pumping Plant #1, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Delta VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	2.6	2.8	3.4	4.3	5.2	5.1	4.7	3.9	3.3	2.8	2.7	2.7
Drought Years (1987-1991)	2.7	2.7	2.9	3.7	4.7	5.3	5.5	4.6	3.7	3.1	3.0	2.9

Table G.6-5-5-C. Contra Costa Water District Pumping Plant #1, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Delta VA minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	0.0	-0.1	-0.1	0.6	0.0	0.4	0.2	0.0	0.0	-0.4	-0.4	0.0
1%	0.0	0.0	0.0	0.5	0.0	0.5	0.2	0.0	0.0	-0.4	-0.4	0.0
5%	0.0	0.0	0.0	0.1	0.0	0.9	0.4	0.0	-0.2	-0.4	-0.3	-0.2
10%	0.0	0.0	0.0	0.0	0.6	0.4	-0.4	0.0	-0.2	-0.1	0.0	-0.1
25%	0.0	0.0	-0.1	0.0	0.4	0.0	0.1	-0.4	0.0	0.0	-0.1	0.0
50%	0.0	0.0	-0.2	0.0	0.0	0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0
75%	0.0	0.0	0.0	0.1	0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	-0.1
99.9%	0.0	0.0	0.0	0.3	0.1	0.0	-0.2	-0.1	-0.1	0.0	0.0	0.0

Table G.6-5-5-D. Contra Costa Water District Pumping Plant #1, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Delta VA minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0.0	0.0	0.0	0.1	0.1	0.2	0.0	-0.2	0.0	0.0	0.0	0.0
Drought Years (1987-1991)	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	-0.1	0.0	-0.2	-0.1	-0.1

Table G.6-5-6-A. Contra Costa Water District Pumping Plant #1, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Systemwide VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	3.1	4.0	5.5	6.3	10.0	7.2	6.7	5.2	4.6	3.6	3.6	3.6
1%	3.1	4.0	5.4	6.2	9.5	7.2	6.7	5.1	4.5	3.6	3.5	3.5
5%	3.1	3.7	4.9	5.9	7.3	7.1	6.6	5.1	4.1	3.6	3.4	3.3
10%	3.1	3.6	4.5	5.7	6.4	6.2	5.6	5.0	4.0	3.4	3.3	3.2
25%	2.8	3.1	3.9	5.1	5.4	5.5	5.1	4.3	3.5	3.0	2.8	3.1
50%	2.4	2.8	3.2	3.8	4.9	5.1	4.6	3.7	3.2	2.7	2.5	2.6
75%	2.3	2.5	2.9	3.6	4.3	4.5	4.1	3.5	3.0	2.6	2.4	2.3
99.9%	2.1	2.2	2.4	3.0	3.7	3.5	3.3	2.9	2.6	2.4	2.3	2.2

Table G.6-5-6-B. Contra Costa Water District Pumping Plant #1, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Systemwide VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	2.6	2.8	3.4	4.3	5.1	5.2	4.7	3.9	3.3	2.8	2.7	2.7
Drought Years (1987-1991)	2.6	2.7	2.9	3.7	4.6	5.3	5.5	4.6	3.6	3.1	3.1	2.9

Table G.6-5-6-C. Contra Costa Water District Pumping Plant #1, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Systemwide VA minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	0.0	-0.1	-0.1	0.3	0.1	0.4	0.2	-0.1	0.0	-0.5	-0.3	0.0
1%	0.0	0.0	0.0	0.3	0.0	0.5	0.2	-0.1	0.0	-0.4	-0.3	0.0
5%	0.0	0.0	0.0	0.0	0.0	0.8	0.4	0.0	-0.2	-0.3	-0.2	-0.1
10%	0.0	0.0	0.0	0.0	0.6	0.4	-0.5	0.0	-0.2	0.0	0.0	-0.1
25%	0.0	0.0	-0.1	0.0	0.2	0.0	0.1	-0.4	0.0	0.0	-0.1	0.0
50%	0.0	0.0	-0.1	0.0	0.0	0.2	-0.1	-0.1	-0.1	0.0	0.0	0.0
75%	0.0	0.0	0.0	0.1	0.1	0.0	-0.1	-0.2	0.0	0.0	0.0	0.0
99.9%	0.0	0.0	0.0	0.3	0.1	0.0	-0.2	-0.1	-0.1	0.0	0.0	0.0

Table G.6-5-6-D. Contra Costa Water District Pumping Plant #1, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 2 Without TUCP Systemwide VA minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0.0	0.0	0.0	0.0	0.1	0.2	0.0	-0.2	0.0	0.0	0.0	0.0
Drought Years (1987-1991)	0.0	-0.1	0.0	0.1	-0.1	0.0	0.1	-0.1	0.0	-0.1	-0.1	-0.1

Table G.6-5-7-A. Contra Costa Water District Pumping Plant #1, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 3

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	3.0	4.3	5.6	6.3	10.1	6.7	7.3	6.2	4.7	4.1	3.9	3.6
1%	3.0	4.1	5.5	6.2	9.6	6.7	7.2	6.2	4.7	4.0	3.9	3.5
5%	3.0	3.6	4.9	5.9	7.2	6.5	6.8	6.1	4.6	3.8	3.8	3.4
10%	3.0	3.5	4.7	5.9	6.8	6.2	6.4	5.8	4.4	3.8	3.6	3.2
25%	2.8	3.0	4.1	5.3	6.0	5.8	5.8	5.2	4.1	3.6	3.3	3.2
50%	2.6	2.9	3.5	4.5	4.9	5.5	4.9	4.6	3.7	3.3	3.1	2.8
75%	2.4	2.6	3.0	3.7	4.8	4.5	4.2	3.9	3.6	3.1	2.9	2.6
99.9%	2.2	2.4	2.6	2.9	3.9	3.9	3.9	3.6	3.1	2.9	2.5	2.4

Table G.6-5-7-B. Contra Costa Water District Pumping Plant #1, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 3

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	2.6	2.9	3.7	4.6	5.5	5.3	5.1	4.6	3.9	3.4	3.1	2.9
Drought Years (1987-1991)	2.7	2.7	3.2	3.9	5.0	5.8	6.3	5.7	4.3	3.5	3.2	2.9

Table G.6-5-7-C. Contra Costa Water District Pumping Plant #1, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 3 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	-0.1	0.2	0.0	0.3	0.2	-0.1	0.8	0.9	0.1	0.0	0.0	0.0
1%	-0.1	0.1	0.0	0.3	0.1	0.0	0.8	1.0	0.1	0.0	0.0	0.0
5%	0.0	-0.1	0.0	0.1	-0.1	0.2	0.7	1.0	0.3	0.0	0.2	0.0
10%	0.0	0.0	0.2	0.1	1.0	0.4	0.4	0.8	0.3	0.3	0.2	0.0
25%	0.0	-0.1	0.1	0.3	0.8	0.2	0.7	0.5	0.6	0.6	0.4	0.1
50%	0.1	0.1	0.2	0.7	0.0	0.6	0.2	0.7	0.5	0.6	0.5	0.3
75%	0.1	0.1	0.1	0.3	0.7	0.1	0.1	0.3	0.6	0.6	0.5	0.2
99.9%	0.0	0.2	0.2	0.2	0.3	0.3	0.4	0.6	0.5	0.5	0.2	0.2

Table G.6-5-7-D. Contra Costa Water District Pumping Plant #1, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 3 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0.1	0.1	0.2	0.3	0.5	0.3	0.4	0.6	0.6	0.5	0.4	0.2
Drought Years (1987-1991)	0.0	0.0	0.2	0.2	0.3	0.5	0.8	1.0	0.7	0.2	0.1	0.0

Table G.6-5-8-A. Contra Costa Water District Pumping Plant #1, Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 4

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	3.2	4.1	5.6	7.4	10.0	6.7	6.4	5.1	4.6	4.0	3.9	3.6
1%	3.2	4.0	5.5	7.2	9.7	6.7	6.3	5.1	4.5	3.9	3.8	3.5
5%	3.1	3.7	4.9	6.0	8.3	6.7	6.1	5.0	4.2	3.9	3.8	3.5
10%	3.1	3.6	4.5	5.8	7.1	6.2	5.7	5.0	4.1	3.7	3.7	3.4
25%	2.9	3.1	4.0	5.1	5.3	5.5	5.0	4.5	3.6	3.0	3.0	3.1
50%	2.5	2.8	3.1	3.8	4.8	5.0	4.4	3.7	3.2	2.7	2.5	2.6
75%	2.3	2.5	2.8	3.5	4.1	4.1	3.9	3.4	3.0	2.6	2.4	2.3
99.9%	2.1	2.2	2.4	2.8	3.6	3.4	3.2	2.8	2.6	2.4	2.3	2.2

Table G.6-5-8-B. Contra Costa Water District Pumping Plant #1, Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 4

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	2.6	2.9	3.4	4.3	5.1	4.9	4.5	3.9	3.3	2.9	2.8	2.7
Drought Years (1987-1991)	2.7	2.7	2.9	3.6	4.5	5.3	5.3	4.6	3.7	3.3	3.3	3.0

Table G.6-5-8-C. Contra Costa Water District Pumping Plant #1, Difference in Exceedance Probabilities for Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 4 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	0.1	0.0	0.0	1.5	0.0	-0.1	-0.1	-0.1	0.0	-0.1	0.0	0.0
1%	0.1	0.0	0.0	1.2	0.2	0.0	-0.1	-0.1	0.0	-0.1	0.0	0.0
5%	0.0	0.0	0.0	0.1	1.0	0.4	-0.1	-0.1	-0.2	0.0	0.2	0.1
10%	0.0	0.0	0.0	0.0	1.3	0.4	-0.3	0.0	0.0	0.3	0.4	0.1
25%	0.0	0.0	0.0	0.1	0.1	0.0	-0.1	-0.2	0.0	0.0	0.1	0.1
50%	0.0	0.0	-0.2	-0.1	-0.1	0.1	-0.3	-0.1	-0.1	0.0	-0.1	0.0
75%	0.0	0.0	0.0	0.0	-0.1	-0.4	-0.2	-0.3	0.0	0.0	0.0	-0.1
99.9%	0.0	0.0	0.0	0.1	0.0	-0.2	-0.3	-0.2	-0.1	0.0	0.0	0.0

Table G.6-5-8-D. Contra Costa Water District Pumping Plant #1, Difference in Monthly Average Dissolved Organic Carbon (in milligrams per liter), Alternative 4 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0.0	0.0	0.0	0.1	0.1	0.0	-0.2	-0.2	0.0	0.0	0.0	0.0
Drought Years (1987-1991)	0.0	-0.1	0.0	0.0	-0.2	0.0	-0.1	-0.1	0.0	0.0	0.1	0.1

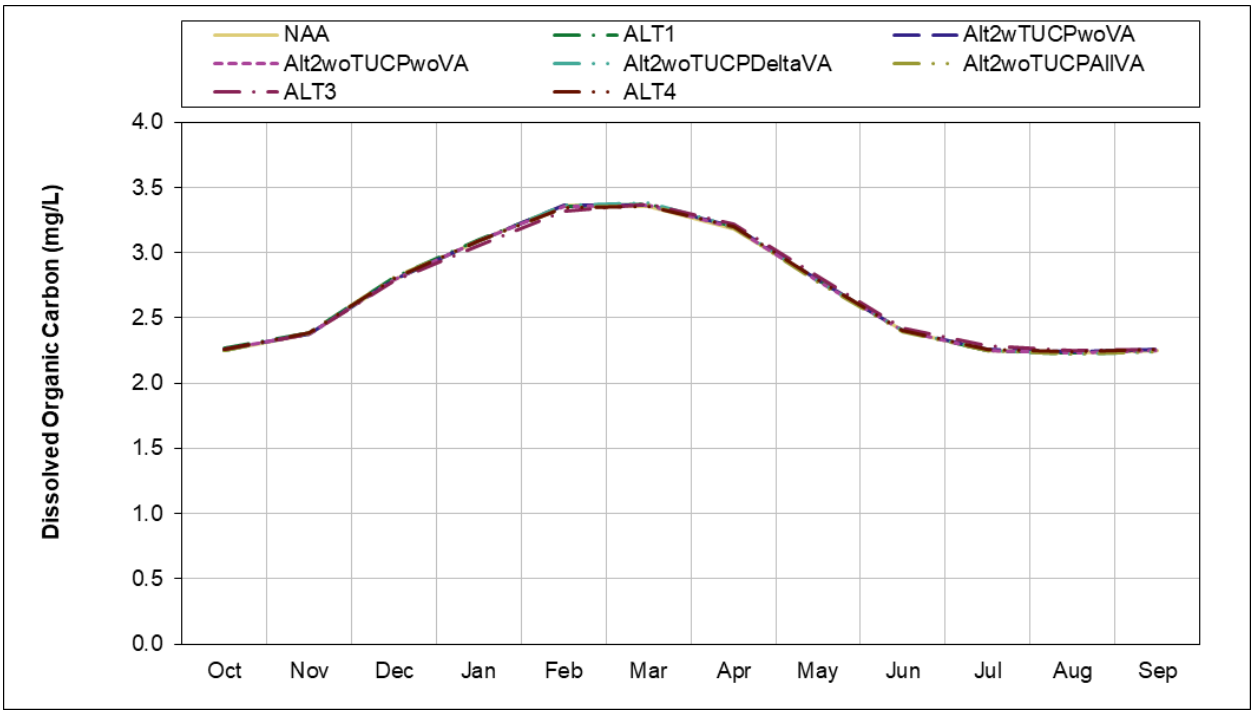

Figure G.6-1-1. Barker Slough at North Bay Aqueduct, Long term Monthly Average Dissolved Organic Carbon (in milligrams per liter)

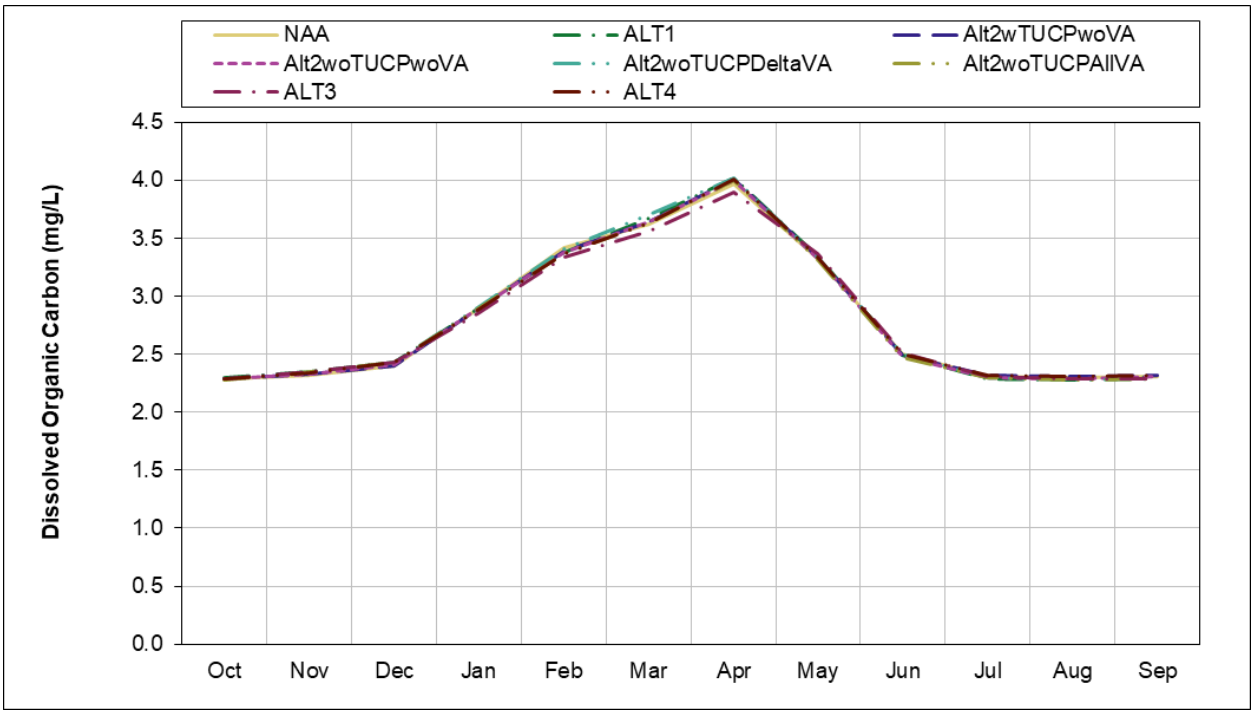

Figure G.6-1-2. Barker Slough at North Bay Aqueduct, Drought Years (1987-1991) Monthly Average Dissolved Organic Carbon (in milligrams per liter)

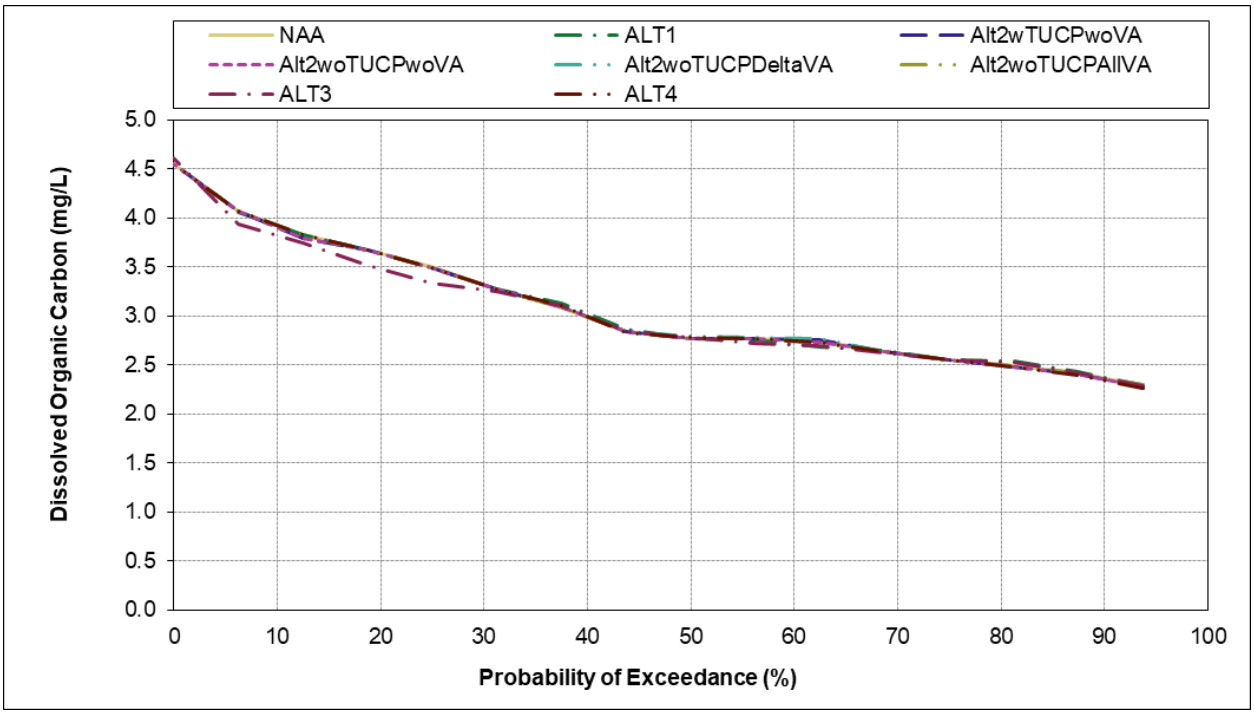

Figure G.6-1-3. Barker Slough at North Bay Aqueduct, Monthly Average Dissolved Organic Carbon (in milligrams per liter), January

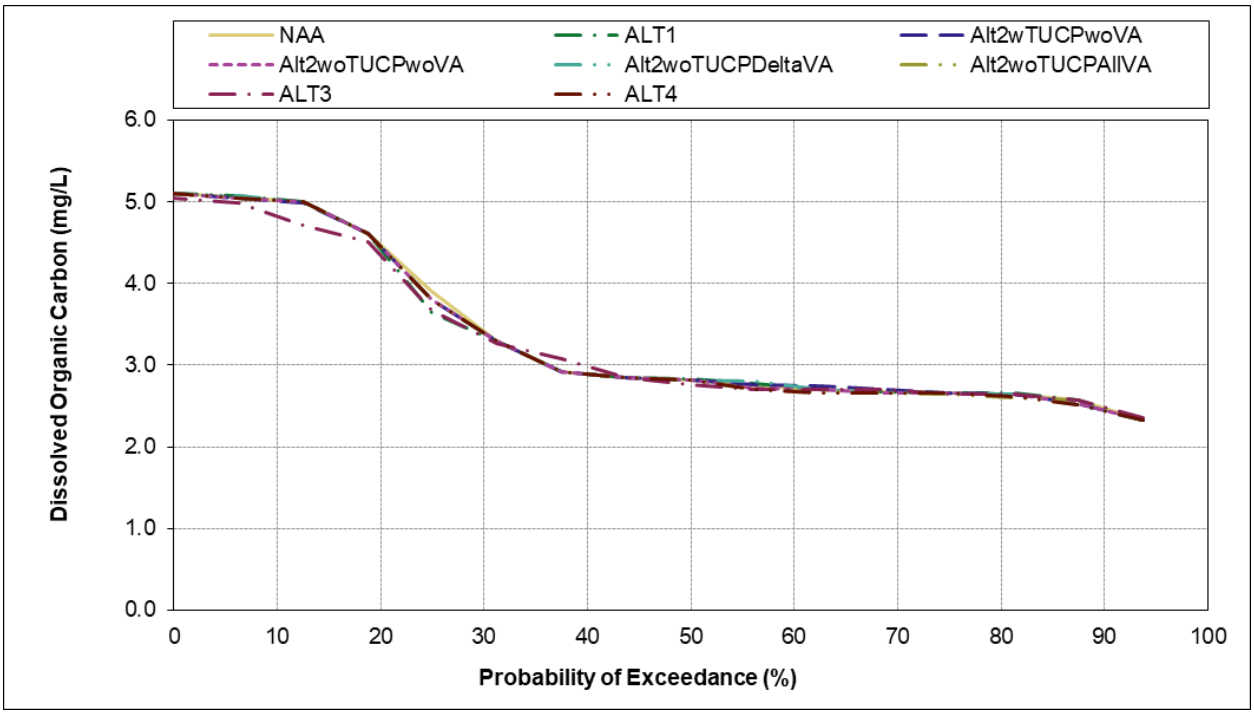

Figure G.6-1-4. Barker Slough at North Bay Aqueduct, Monthly Average Dissolved Organic Carbon (in milligrams per liter), February

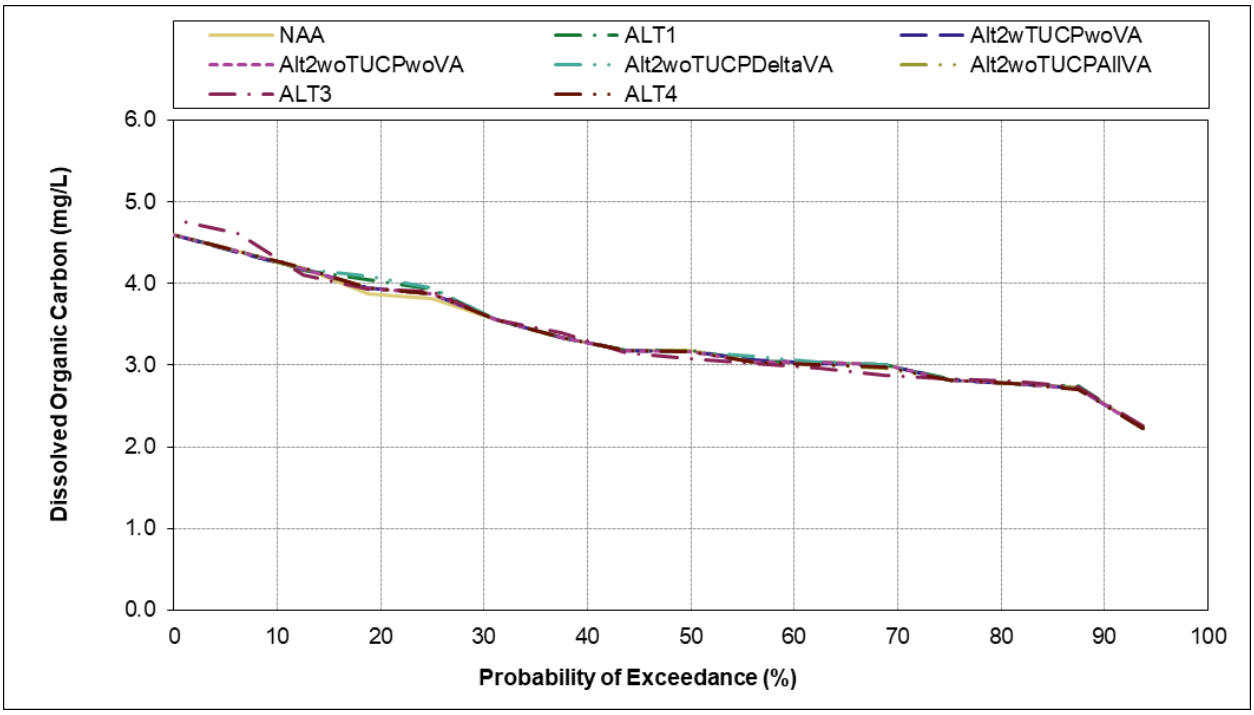

Figure G.6-1-5. Barker Slough at North Bay Aqueduct, Monthly Average Dissolved Organic Carbon (in milligrams per liter), March

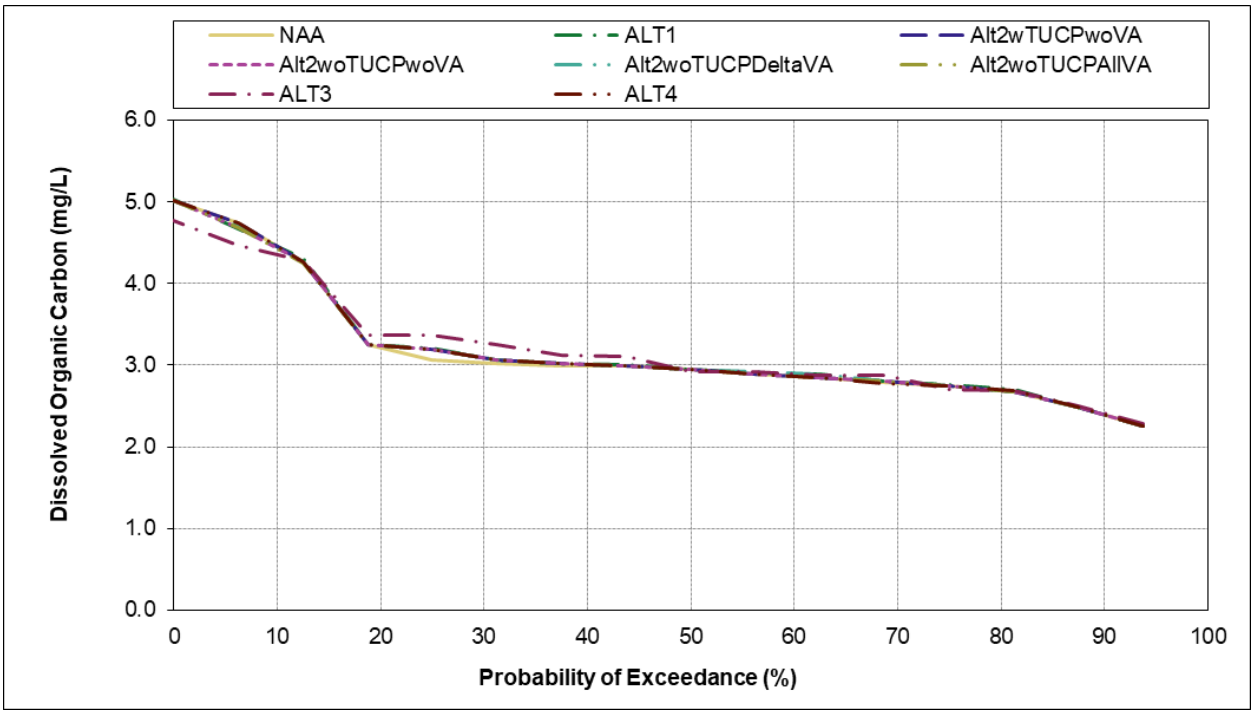

Figure G.6-1-6. Barker Slough at North Bay Aqueduct, Monthly Average Dissolved Organic Carbon (in milligrams per liter), April

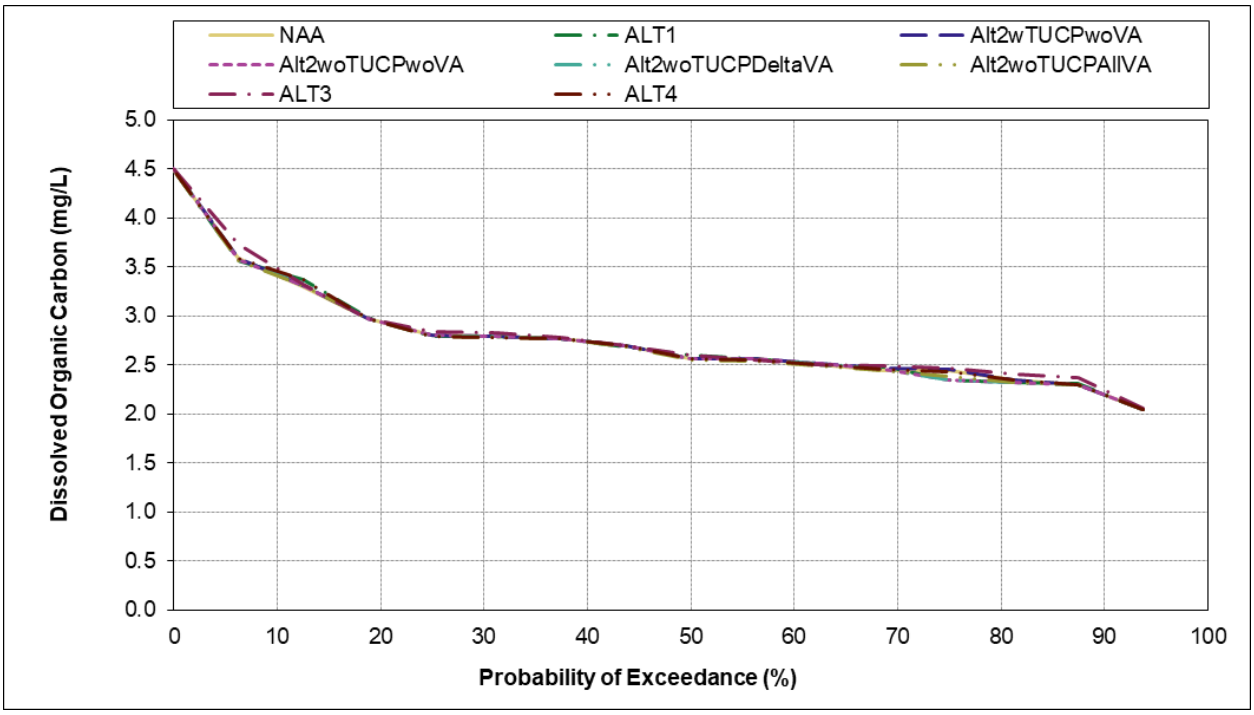

Figure G.6-1-7. Barker Slough at North Bay Aqueduct, Monthly Average Dissolved Organic Carbon (in milligrams per liter), May

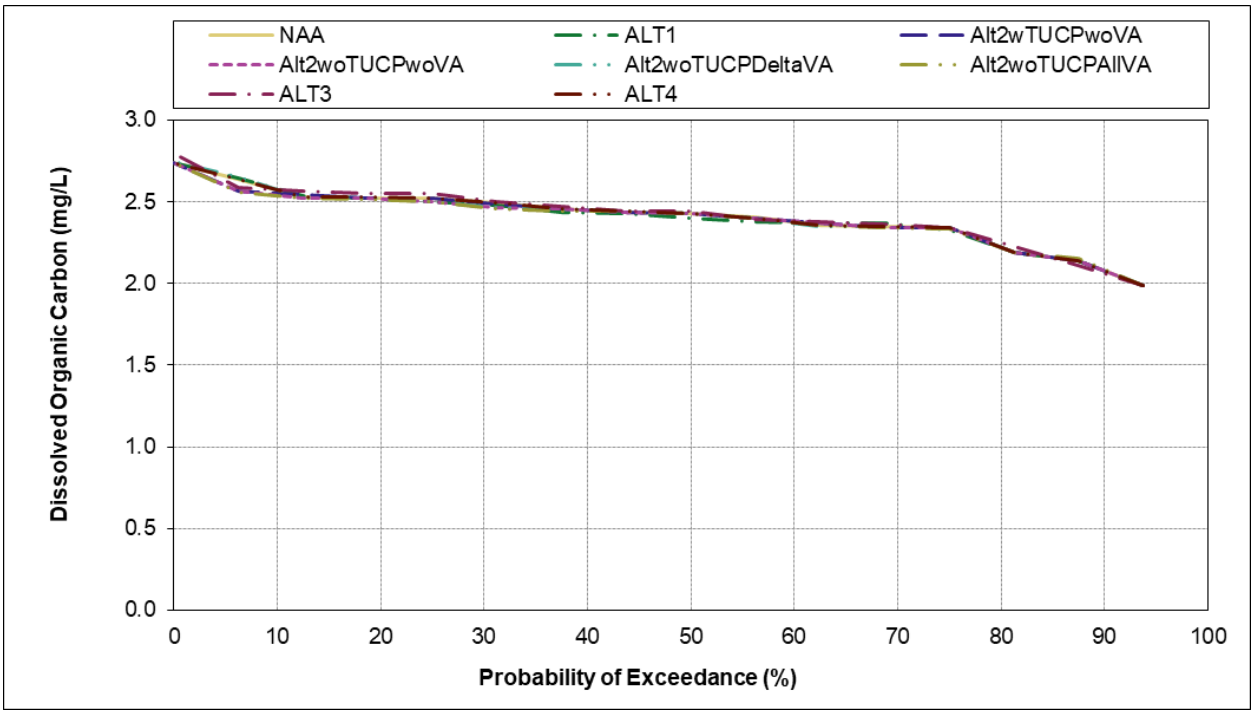

Figure G.6-1-8. Barker Slough at North Bay Aqueduct, Monthly Average Dissolved Organic Carbon (in milligrams per liter), June

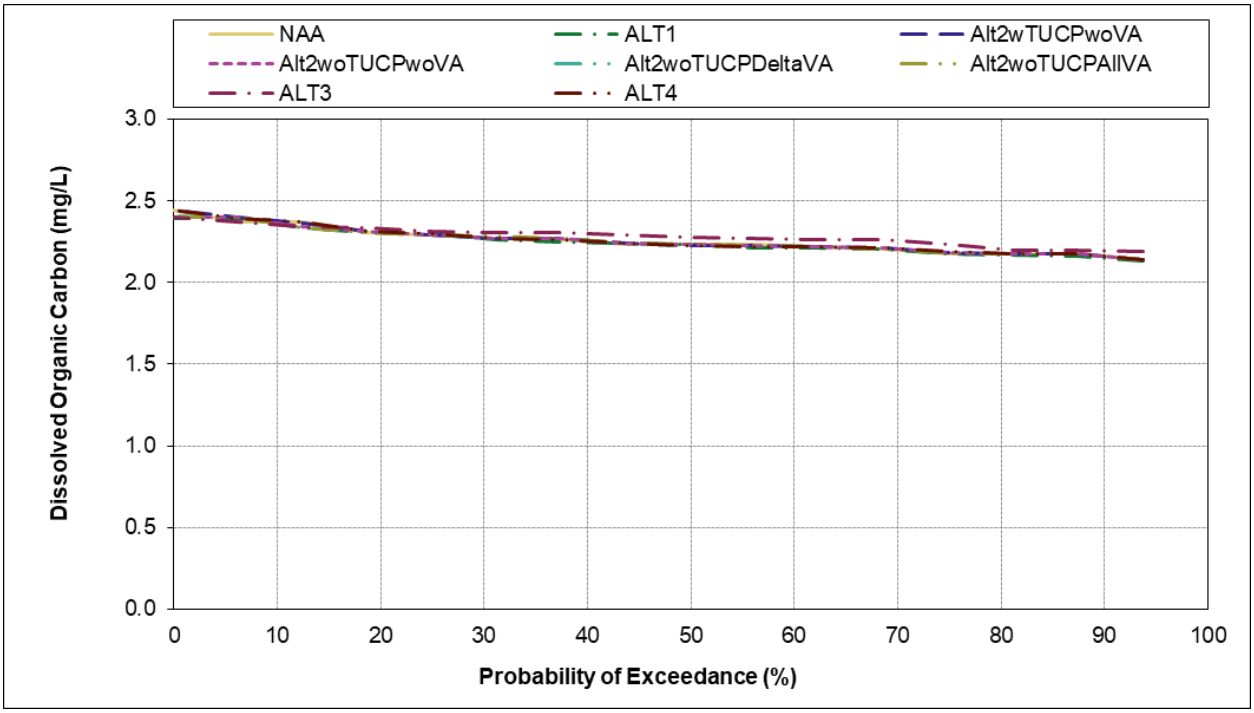

Figure G.6-1-9. Barker Slough at North Bay Aqueduct, Monthly Average Dissolved Organic Carbon (in milligrams per liter), July

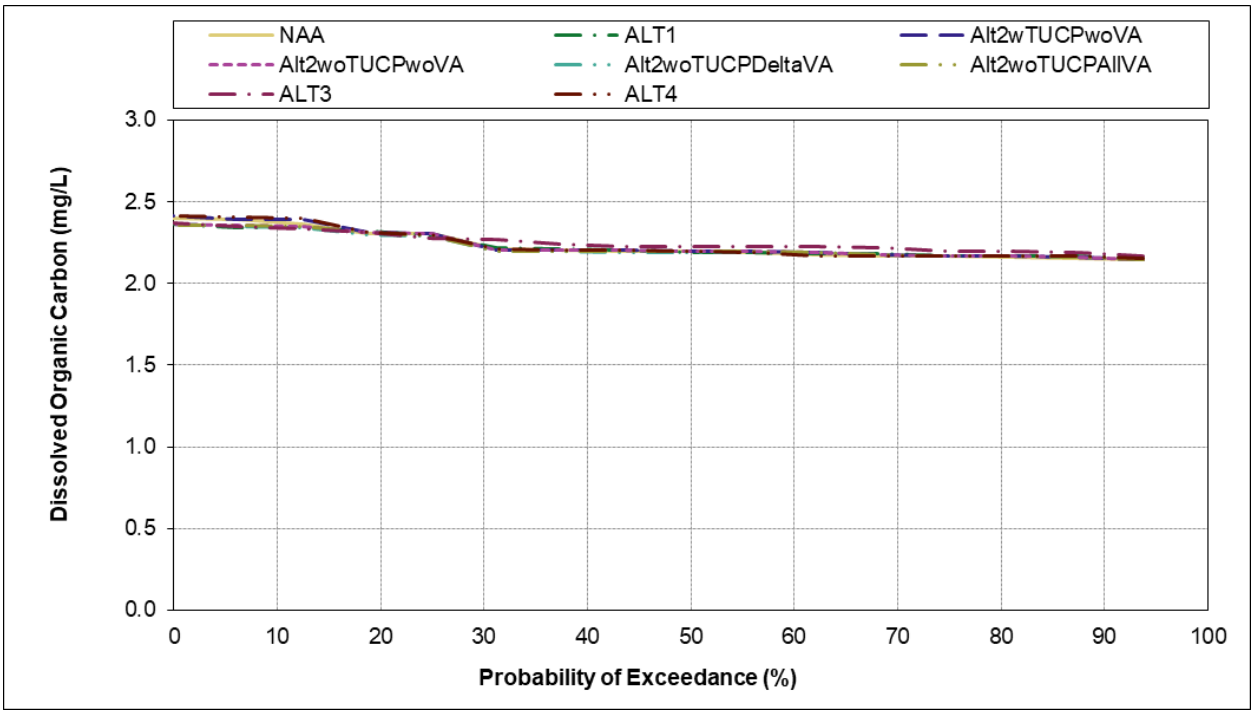

Figure G.6-1-10. Barker Slough at North Bay Aqueduct, Monthly Average Dissolved Organic Carbon (in milligrams per liter), August

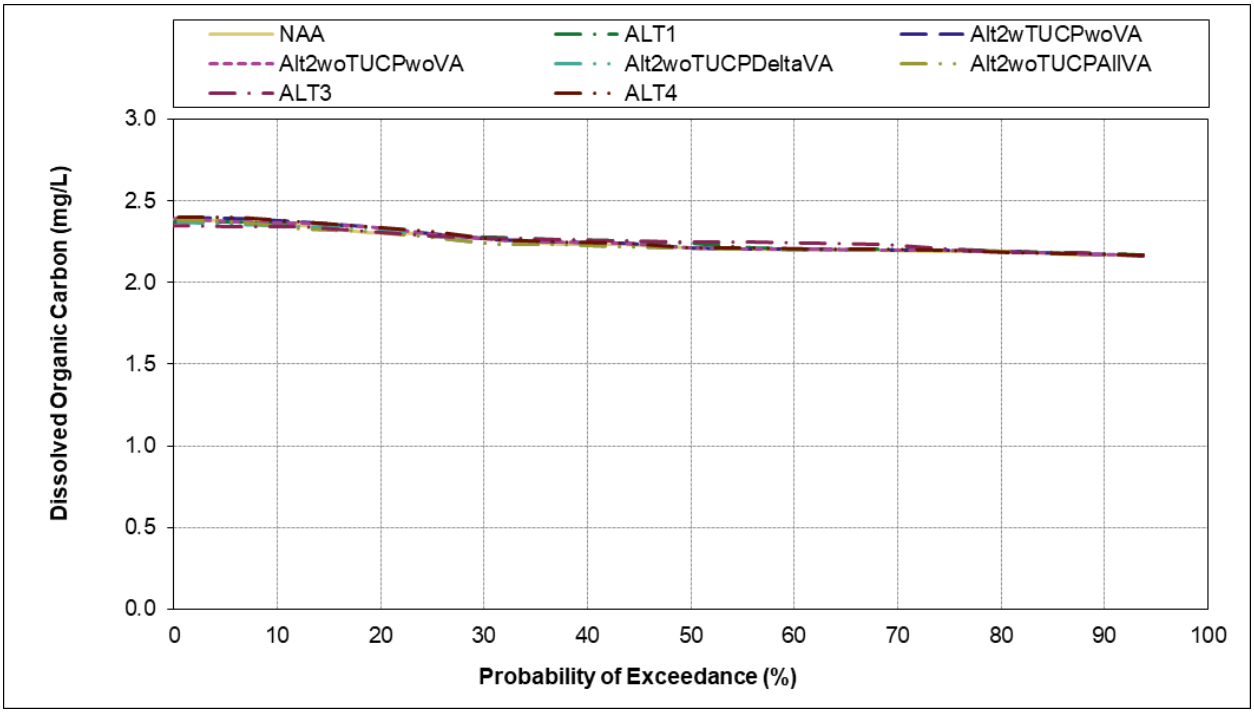

Figure G.6-1-11. Barker Slough at North Bay Aqueduct, Monthly Average Dissolved Organic Carbon (in milligrams per liter), September

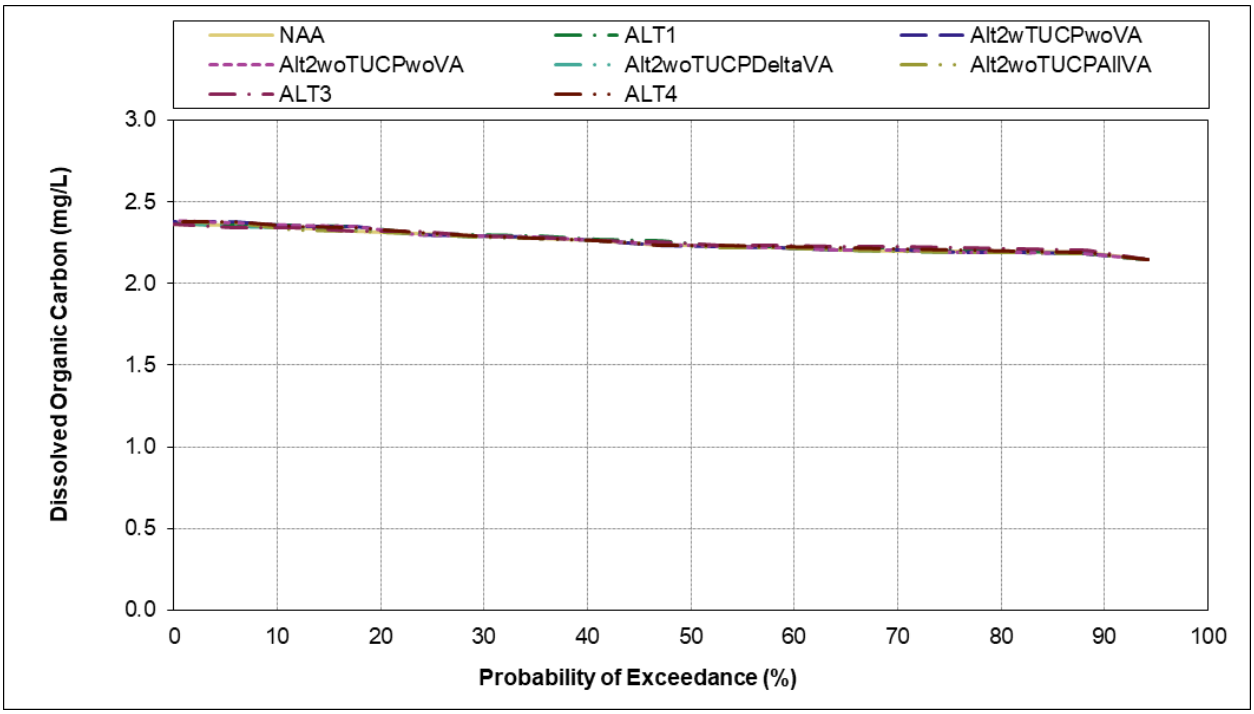

Figure G.6-1-12. Barker Slough at North Bay Aqueduct, Monthly Average Dissolved Organic Carbon (in milligrams per liter), October

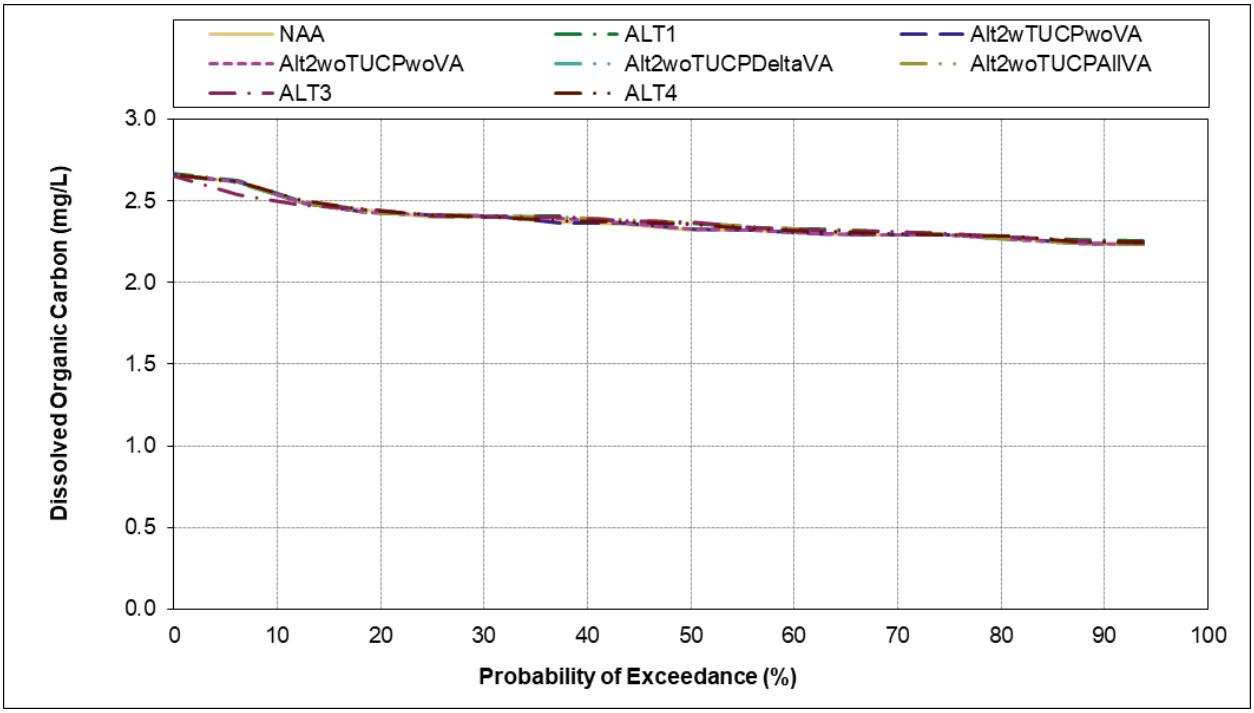

Figure G.6-1-13. Barker Slough at North Bay Aqueduct, Monthly Average Dissolved Organic Carbon (in milligrams per liter), November

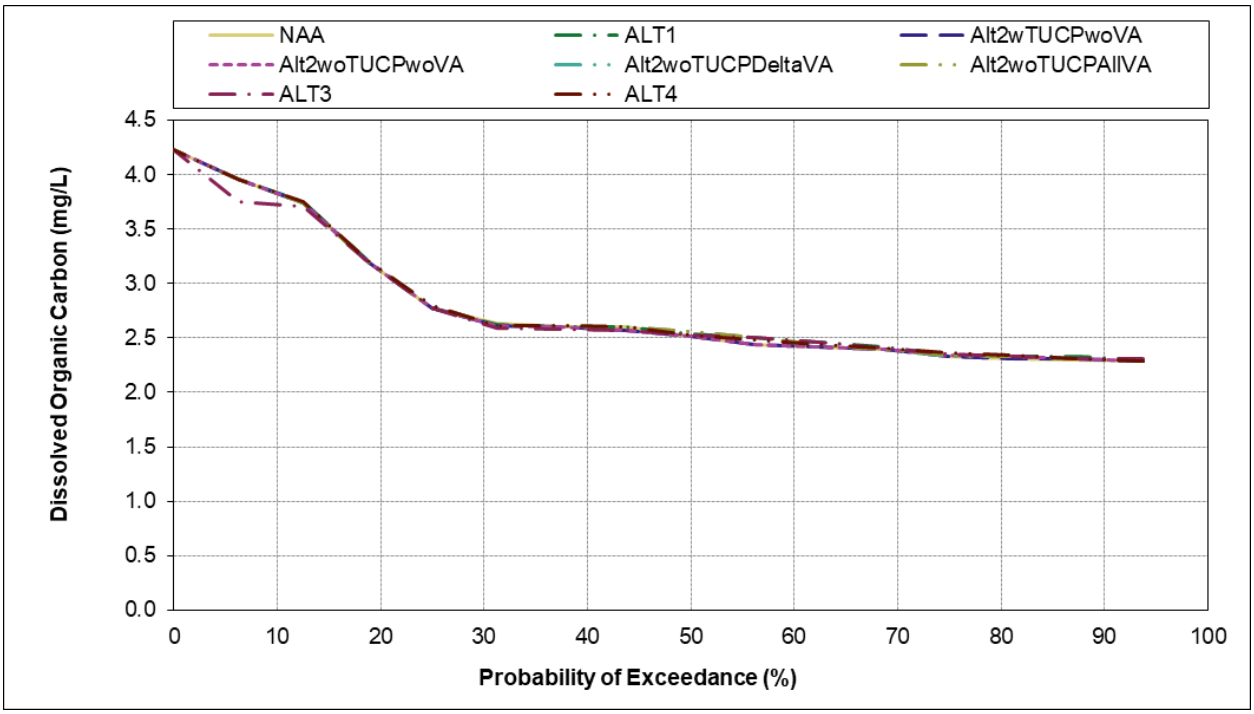

Figure G.6-1-14. Barker Slough at North Bay Aqueduct, Monthly Average Dissolved Organic Carbon (in milligrams per liter), December

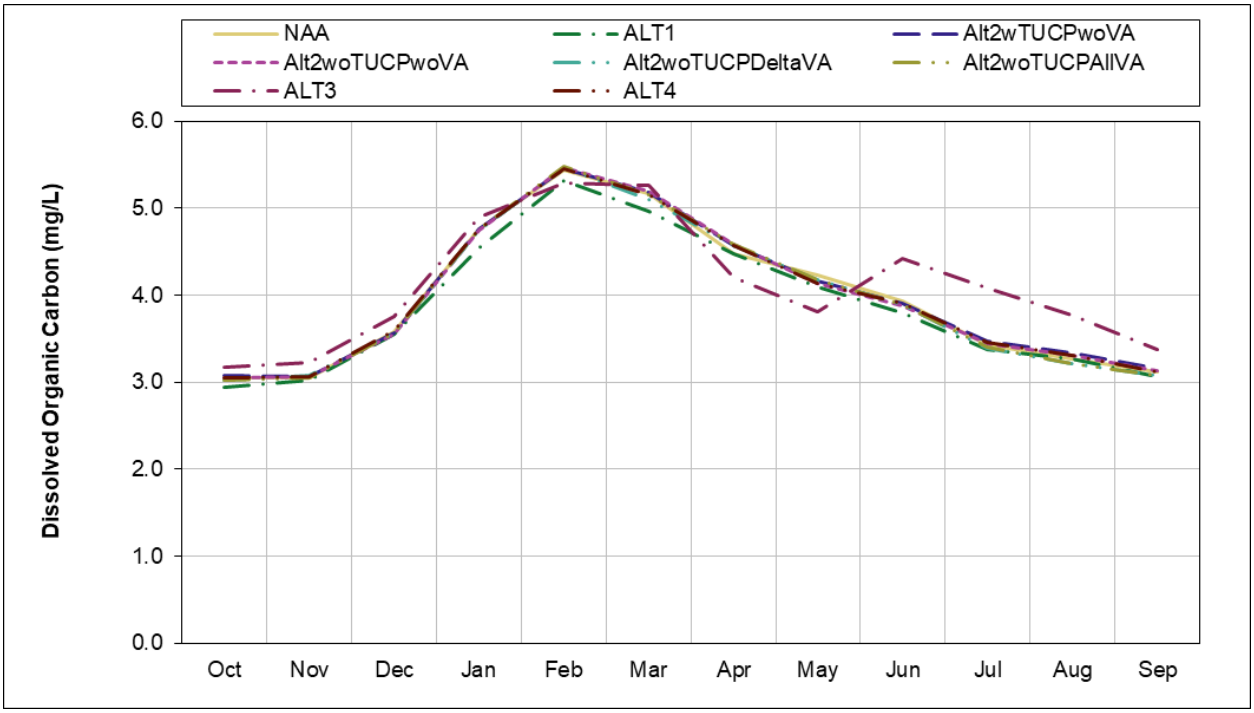

Figure G.6-2-1. Banks Pumping Plant, Long term Monthly Average Dissolved Organic Carbon (in milligrams per liter)

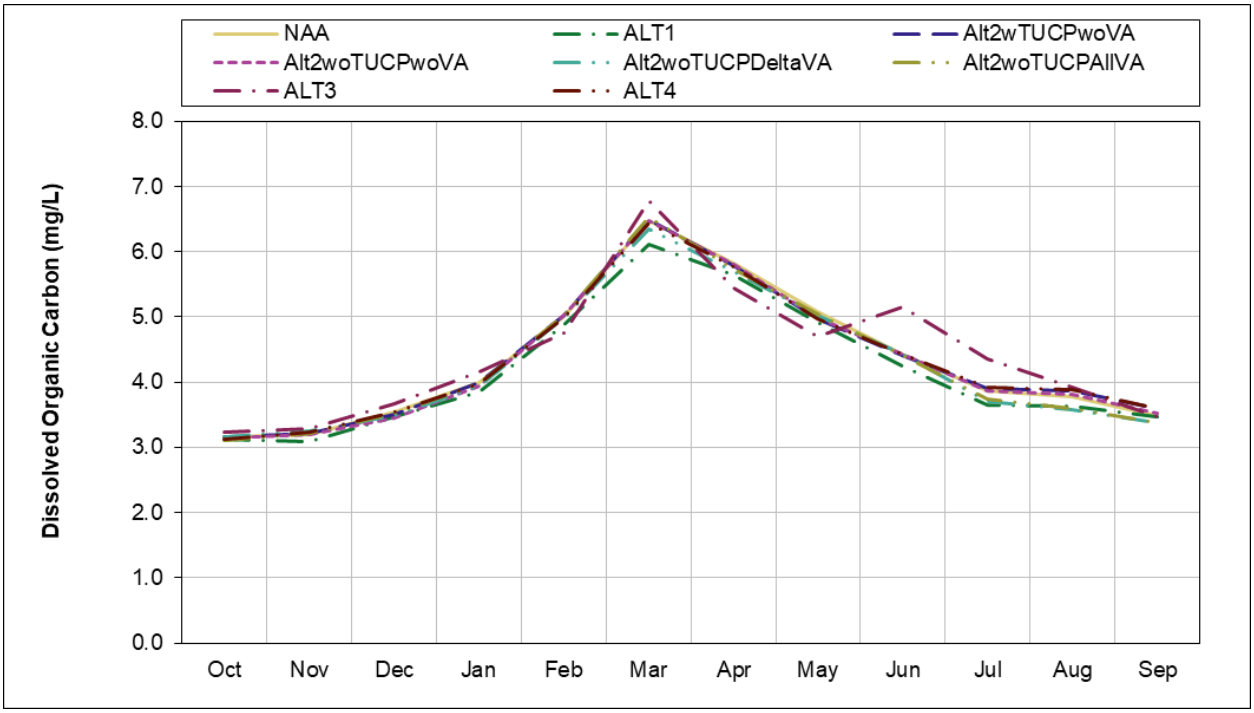

Figure G.6-2-2. Banks Pumping Plant, Drought Years (1987-1991) Monthly Average Dissolved Organic Carbon (in milligrams per liter)

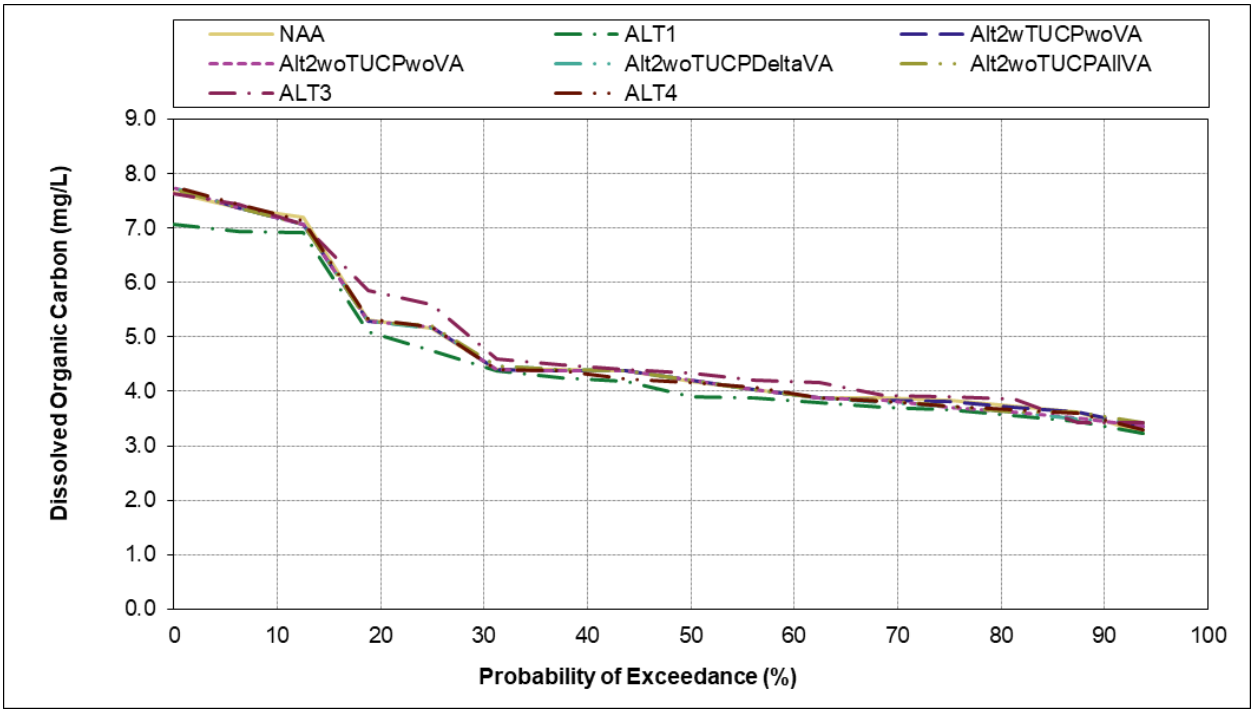

Figure G.6-2-3. Banks Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), January

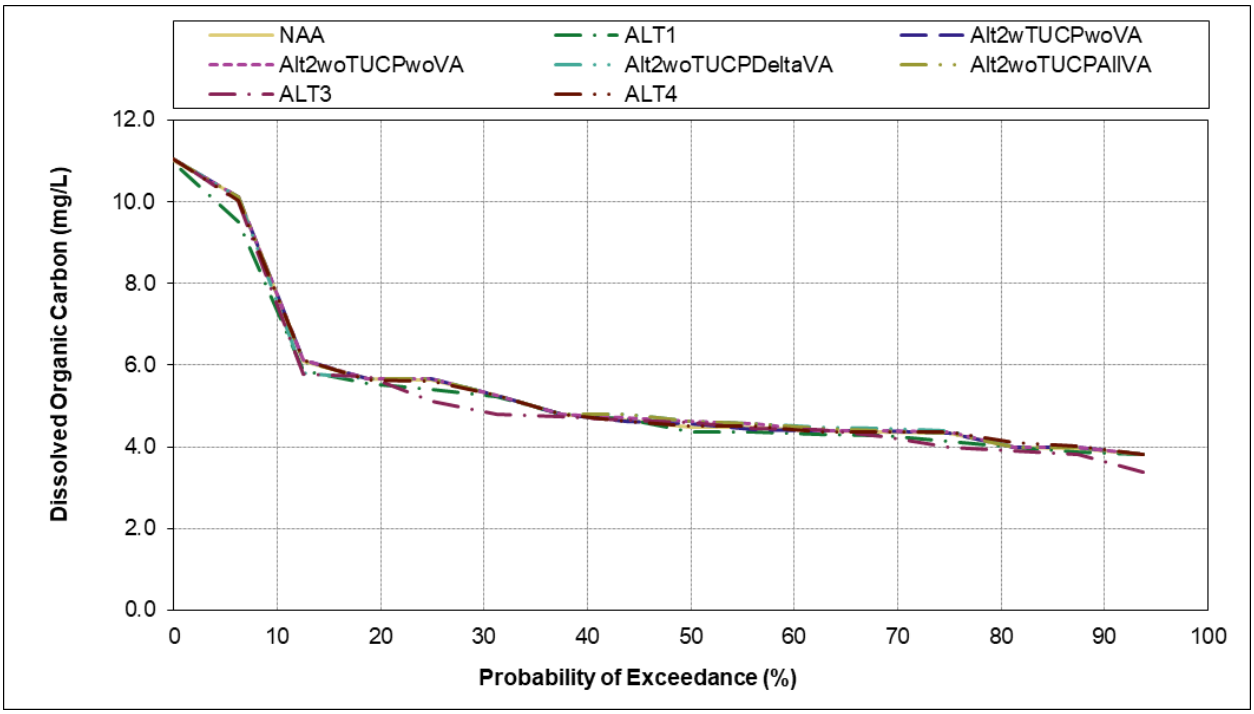

Figure G.6-2-4. Banks Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), February

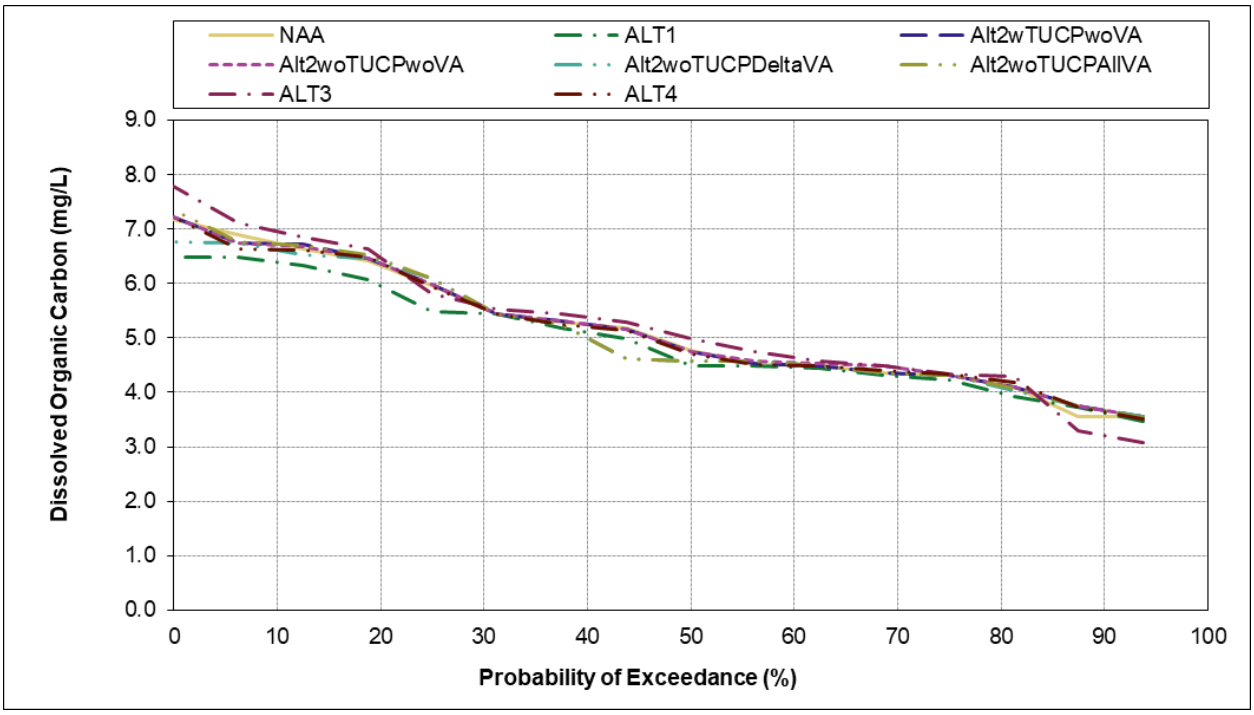

Figure G.6-2-5. Banks Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), March

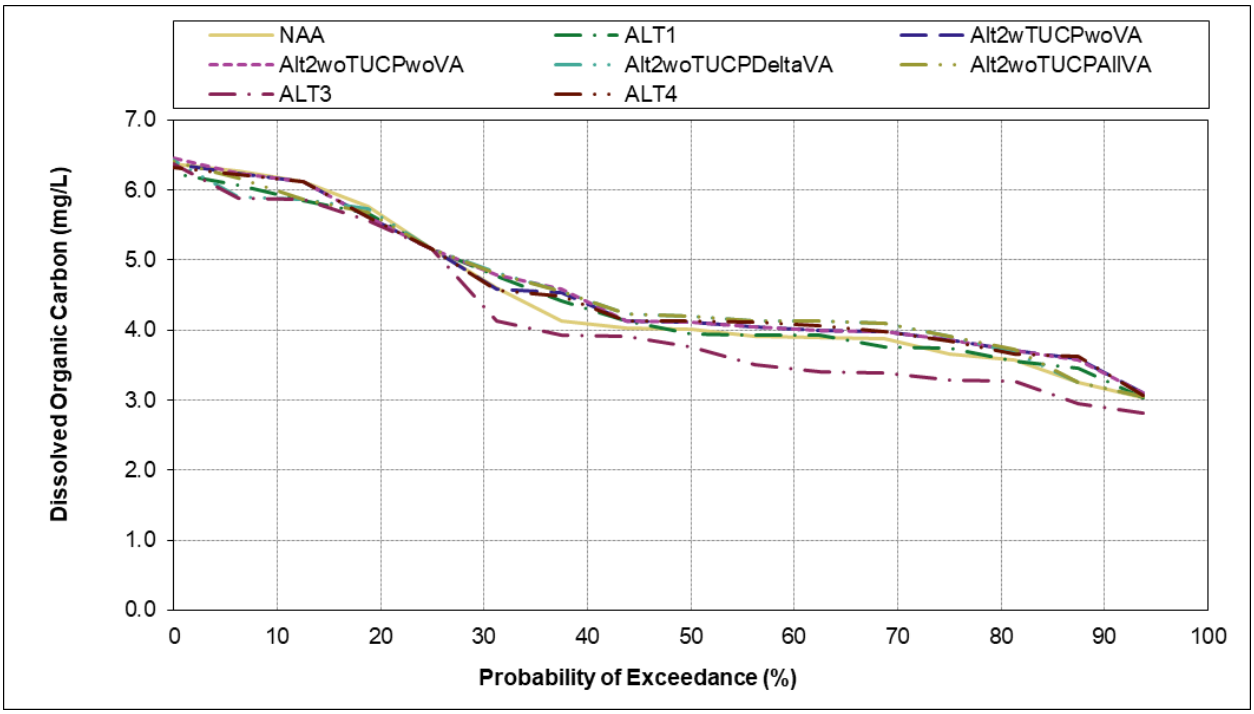

Figure G.6-2-6. Banks Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), April

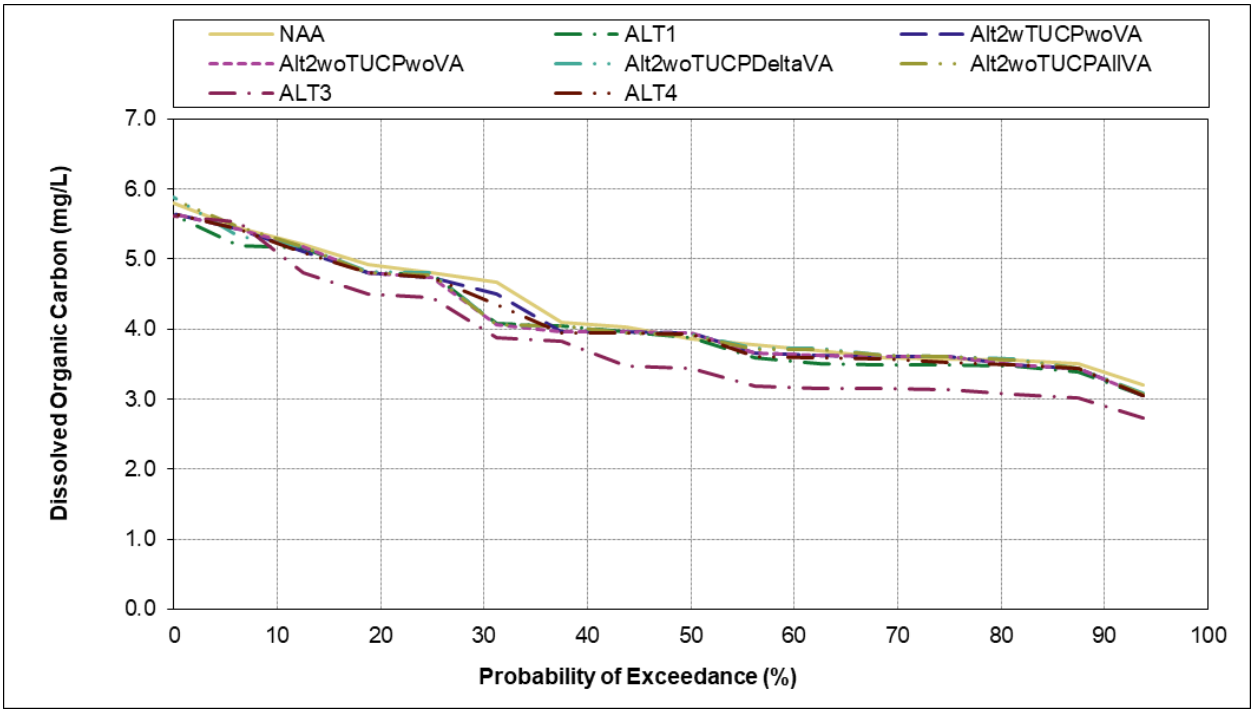

Figure G.6-2-7. Banks Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), May

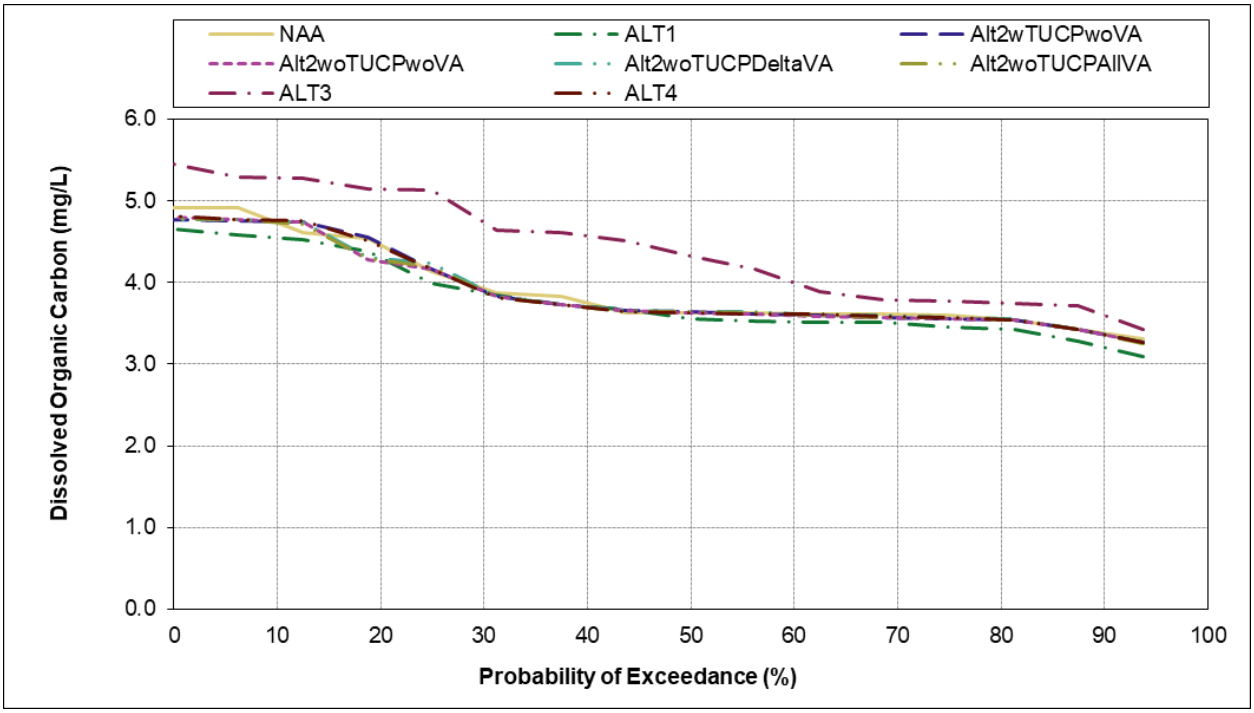

Figure G.6-2-8. Banks Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), June

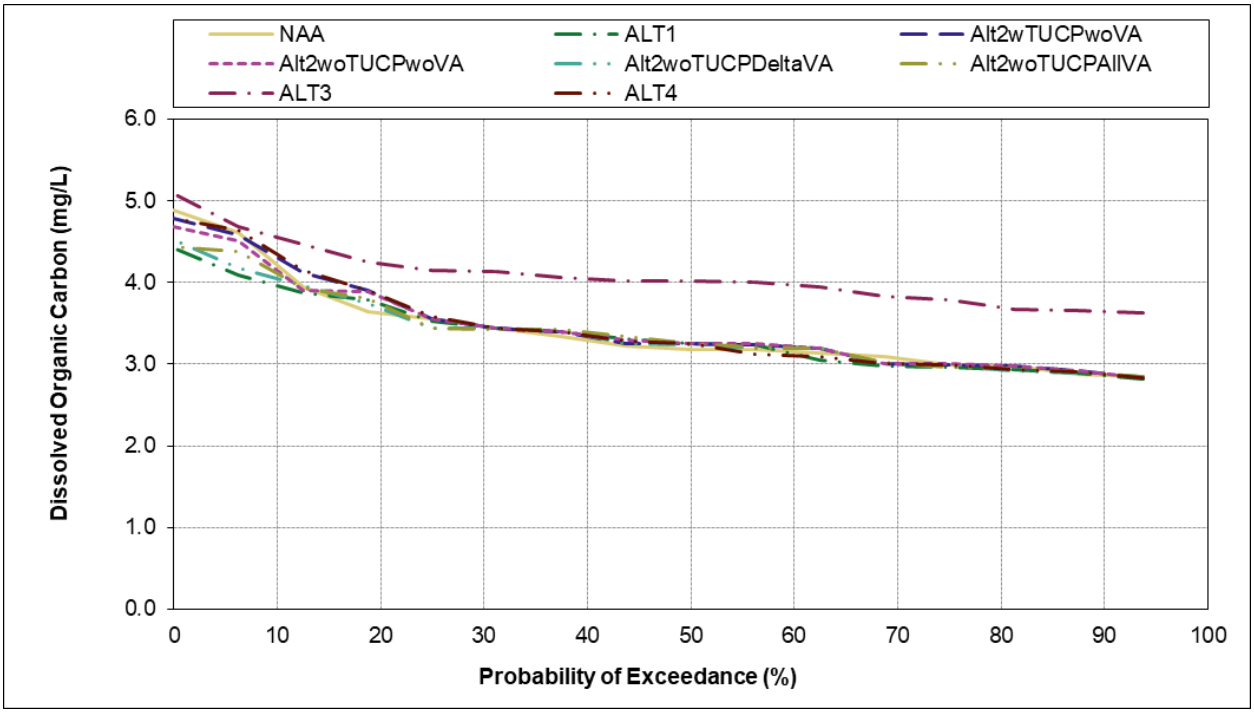

Figure G.6-2-9. Banks Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), July

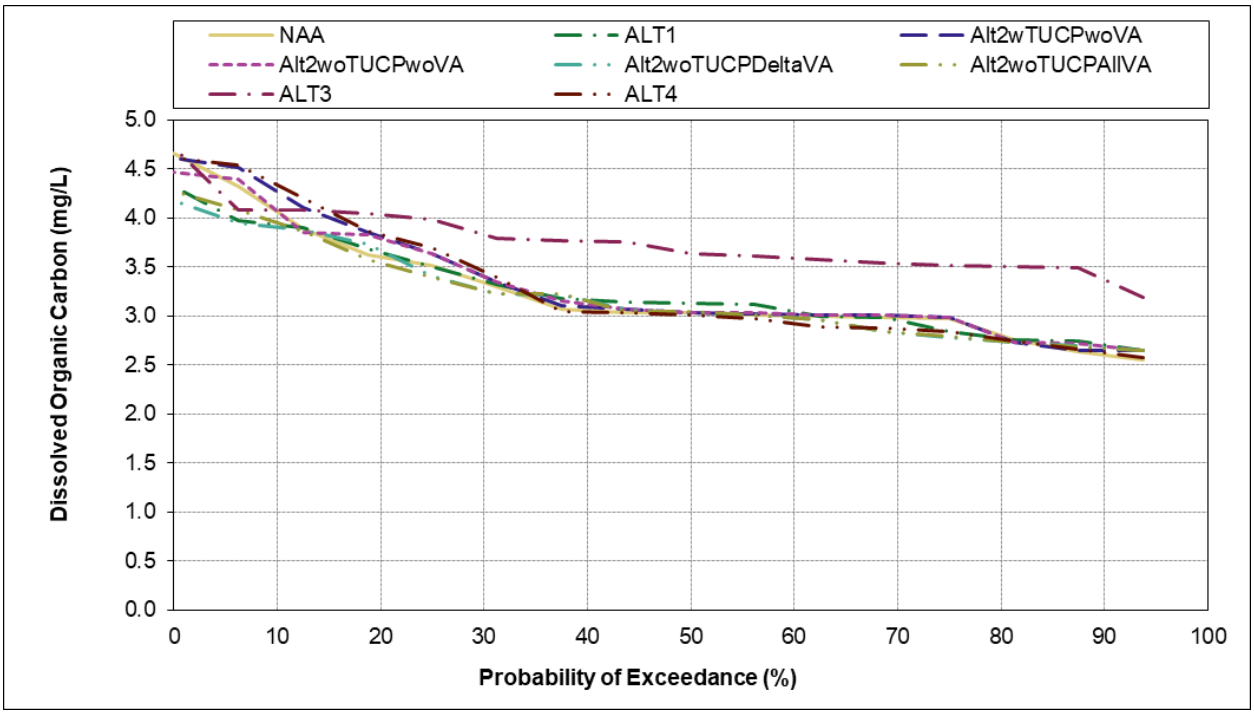

Figure G.6-2-10. Banks Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), August

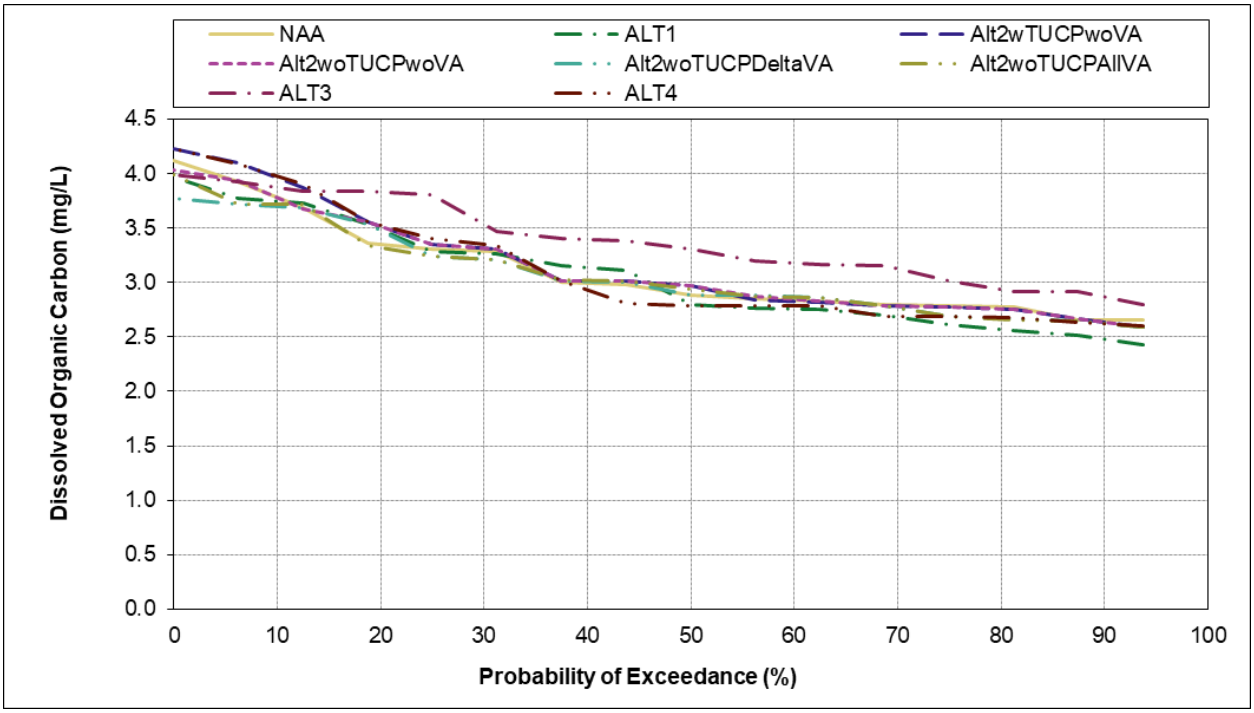

Figure G.6-2-11. Banks Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), September

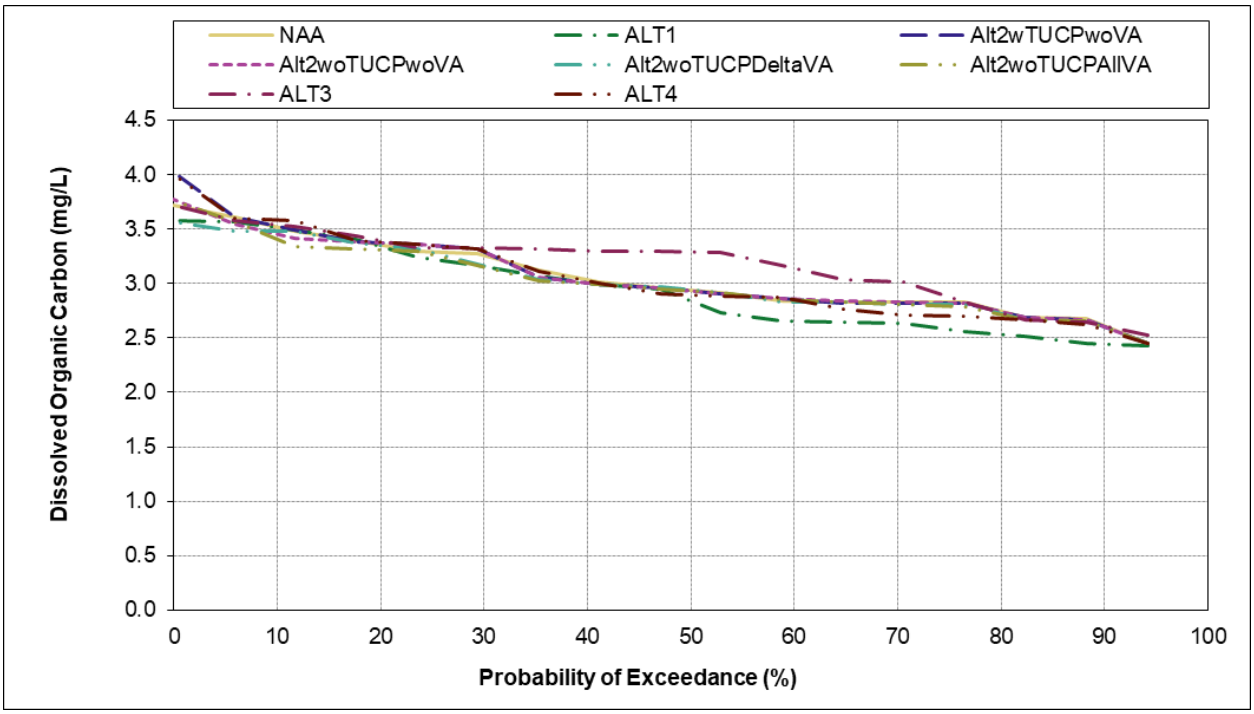

Figure G.6-2-12. Banks Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), October

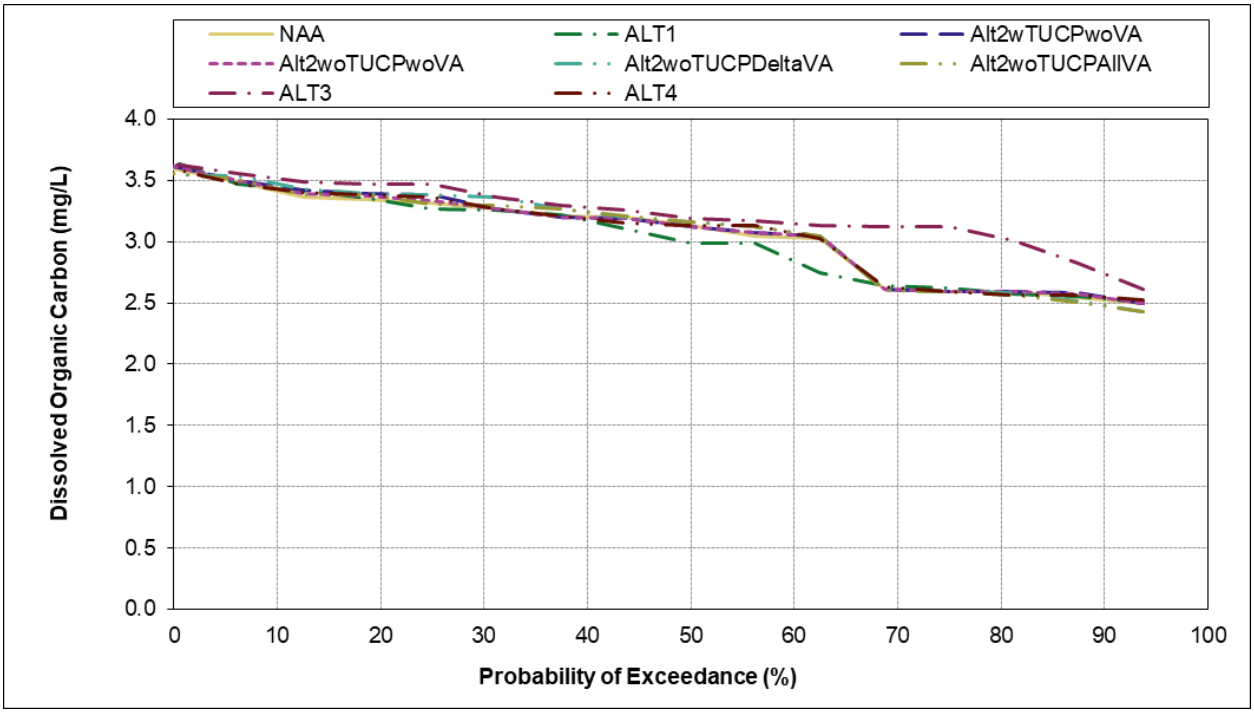

Figure G.6-2-13. Banks Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), November

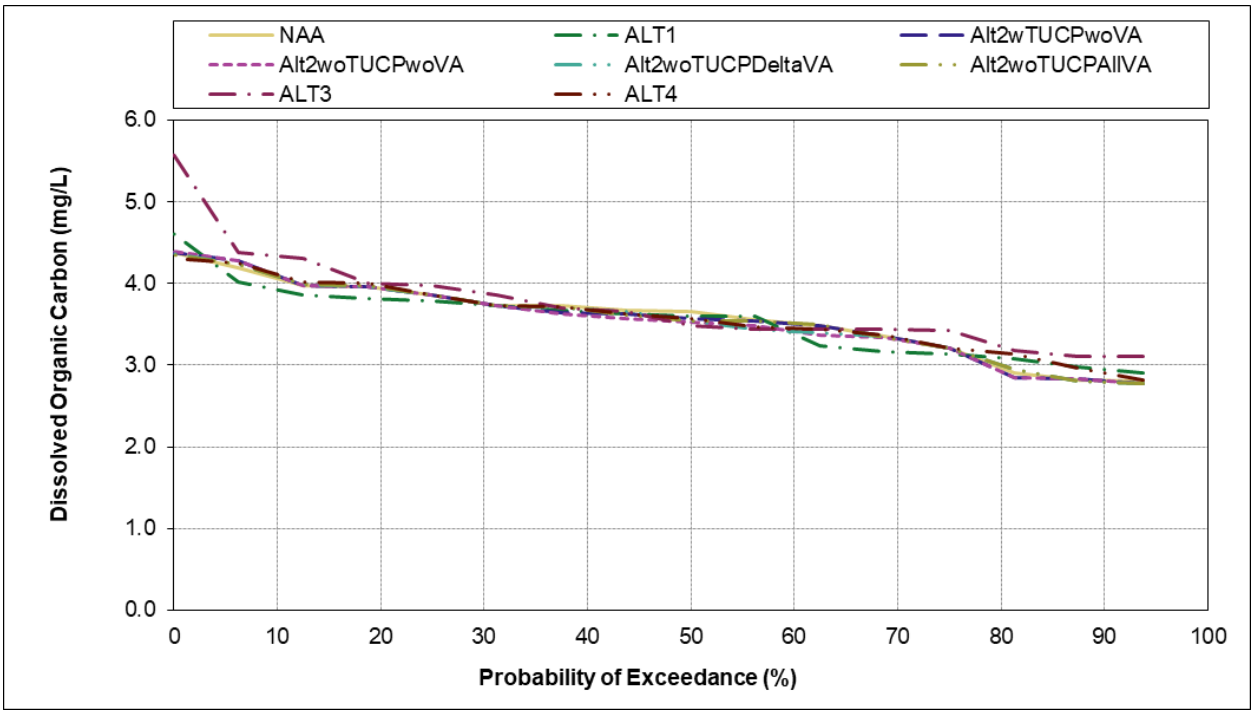

Figure G.6-2-14. Banks Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), December

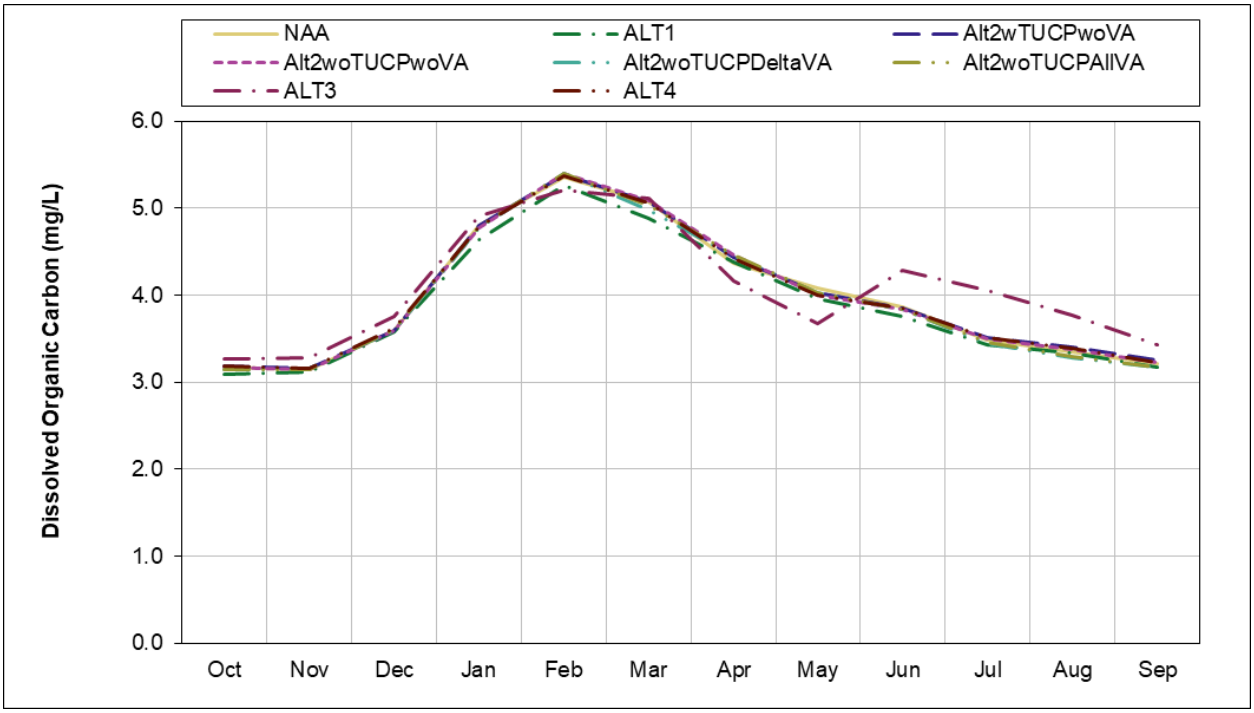

Figure G.6-3-1. Jones Pumping Plant, Long term Monthly Average Dissolved Organic Carbon (in milligrams per liter)

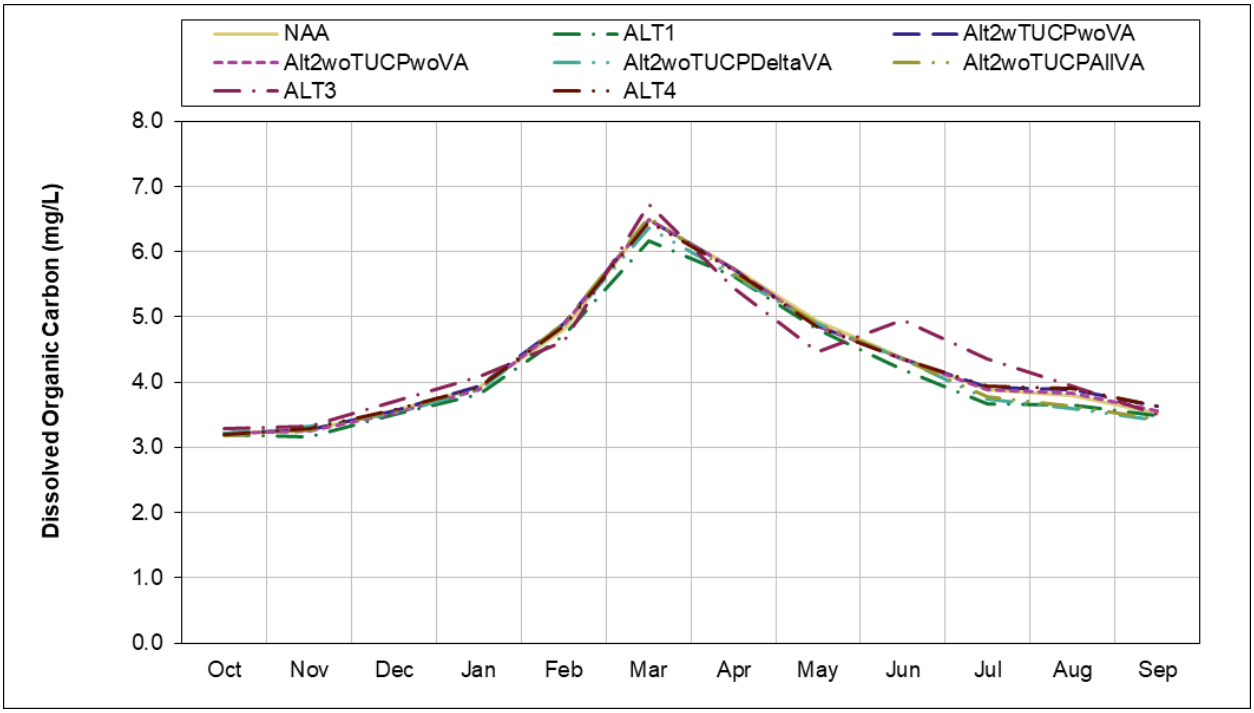

Figure G.6-3-2. Jones Pumping Plant, Drought Years (1987-1991) Monthly Average Dissolved Organic Carbon (in milligrams per liter)

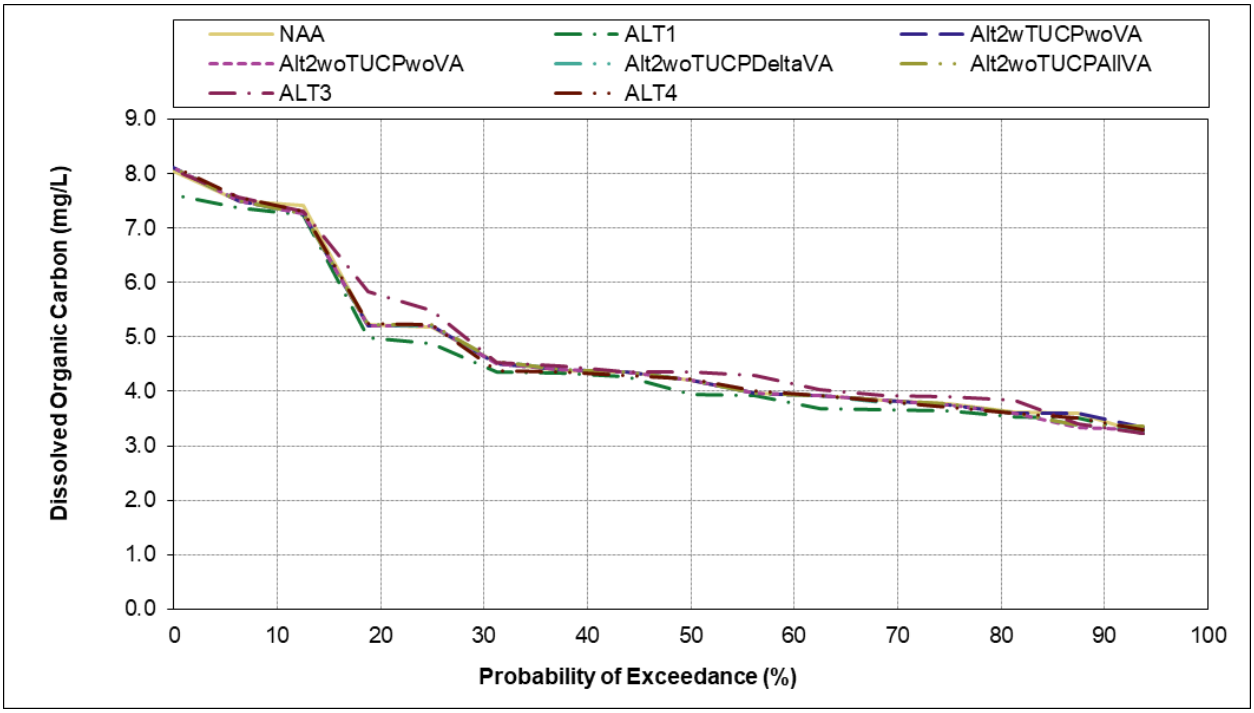

Figure G.6-3-3. Jones Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), January

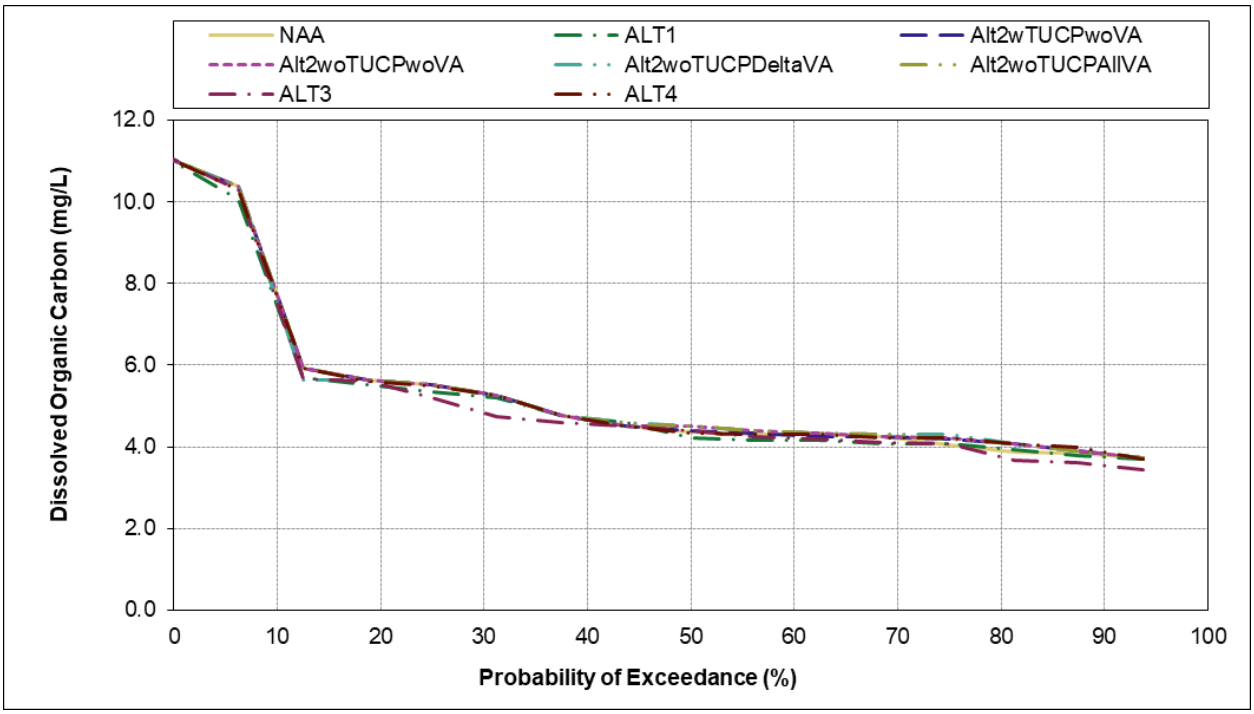

Figure G.6-3-4. Jones Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), February

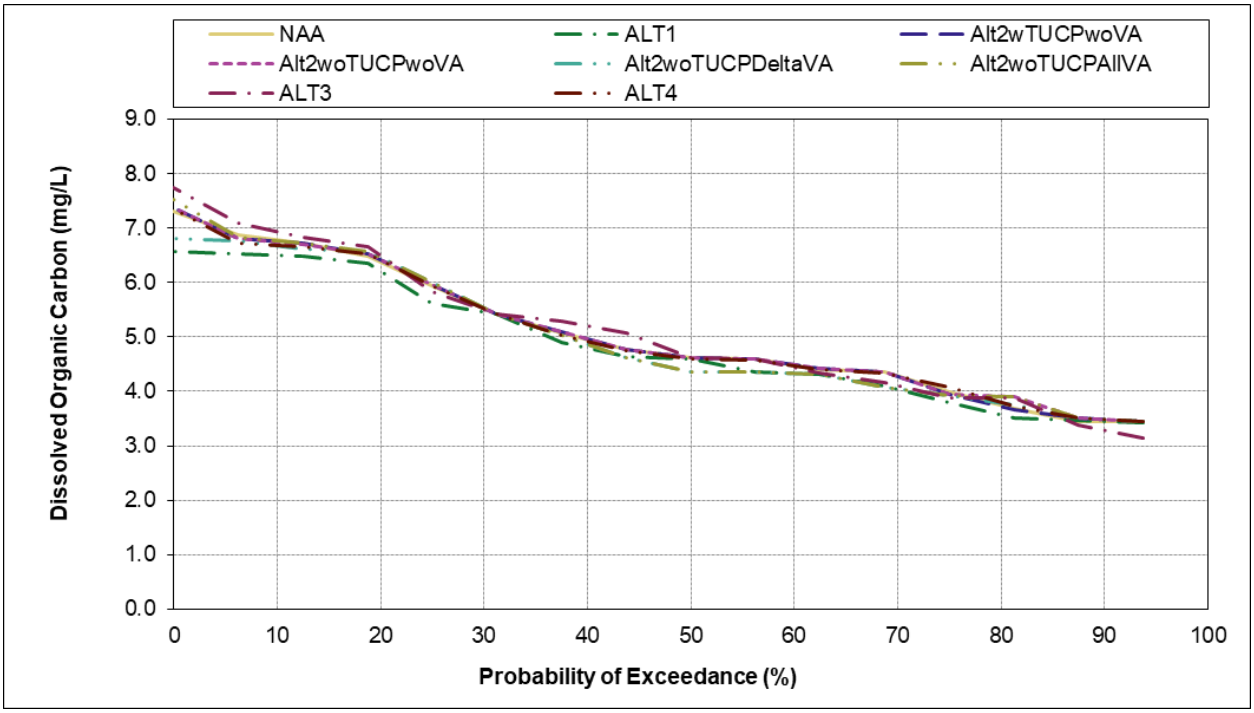

Figure G.6-3-5. Jones Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), March

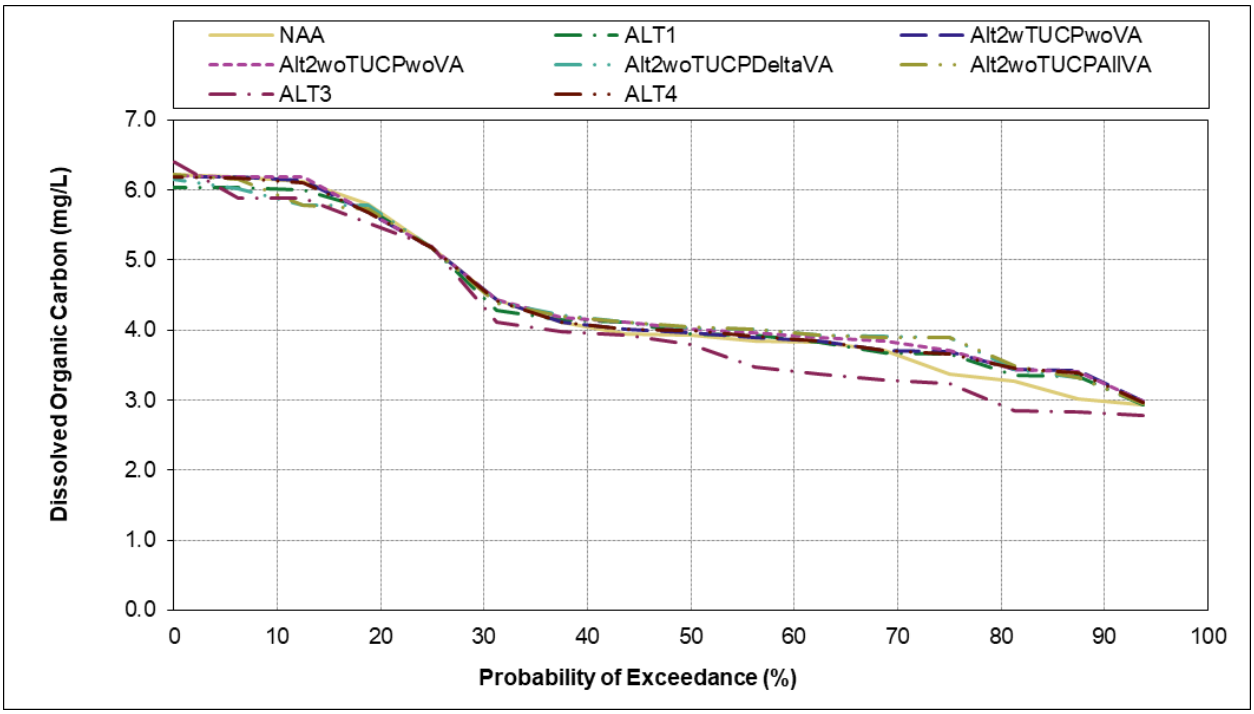

Figure G.6-3-6. Jones Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), April

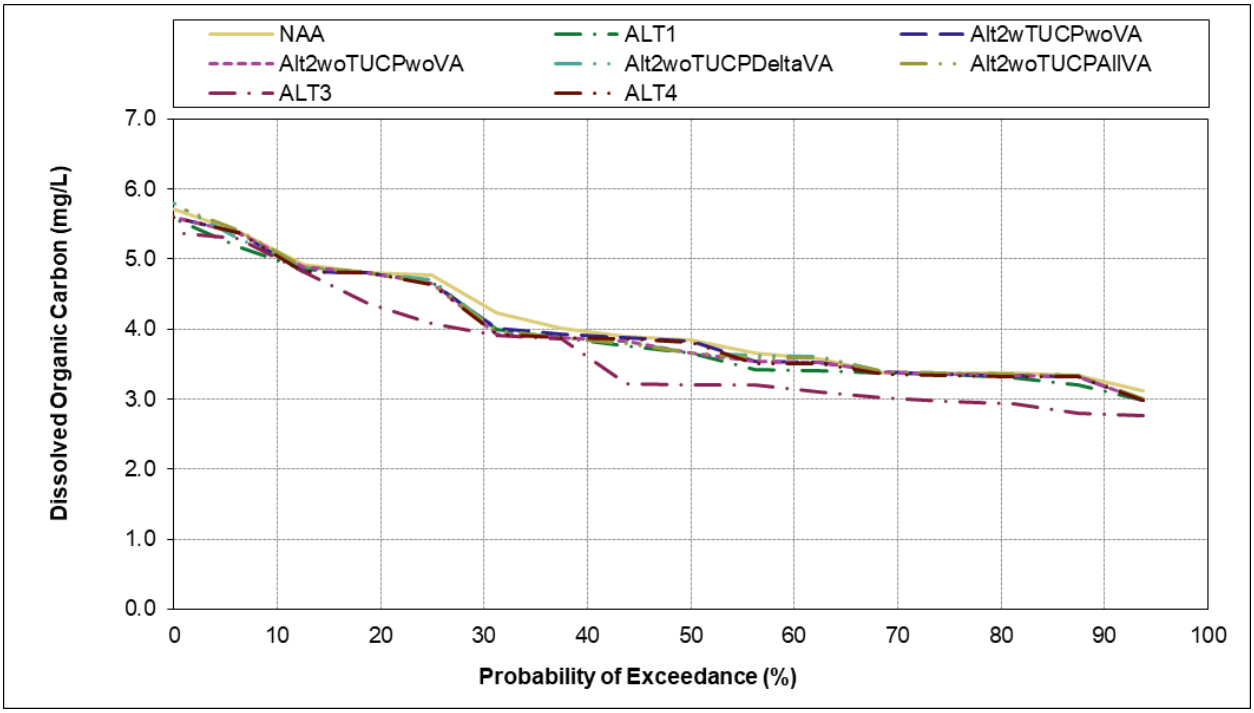

Figure G.6-3-7. Jones Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), May

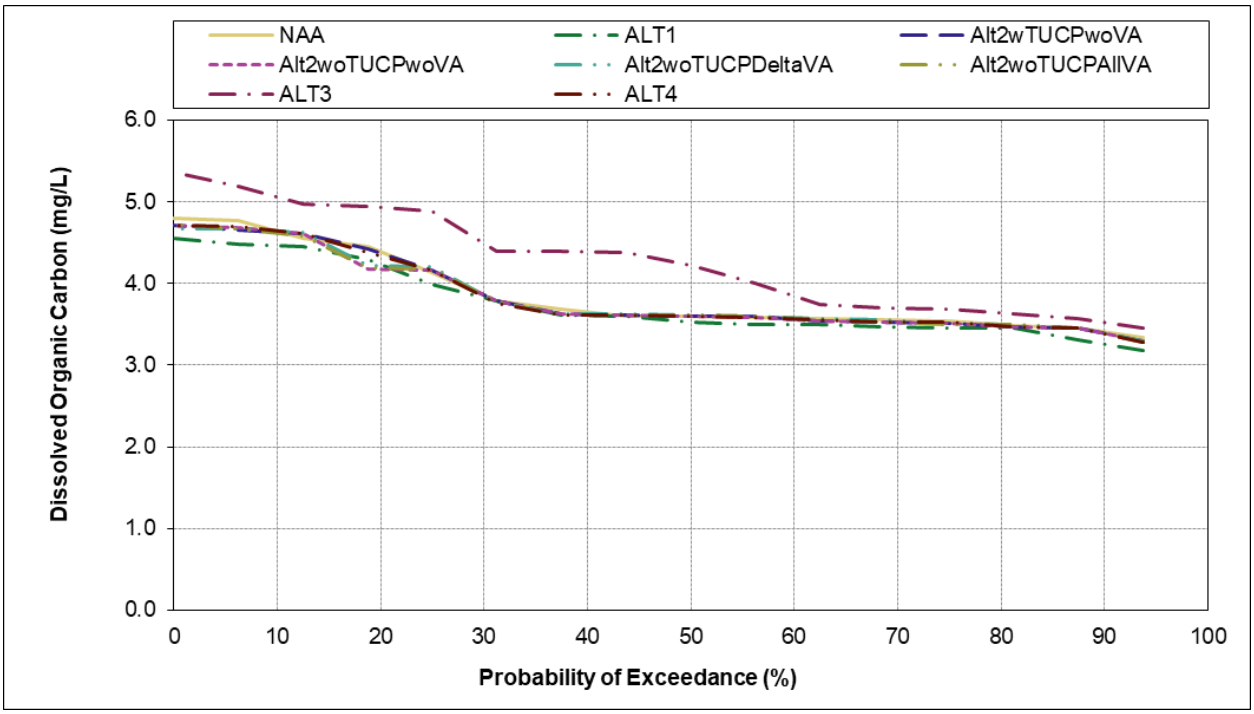

Figure G.6-3-8. Jones Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), June

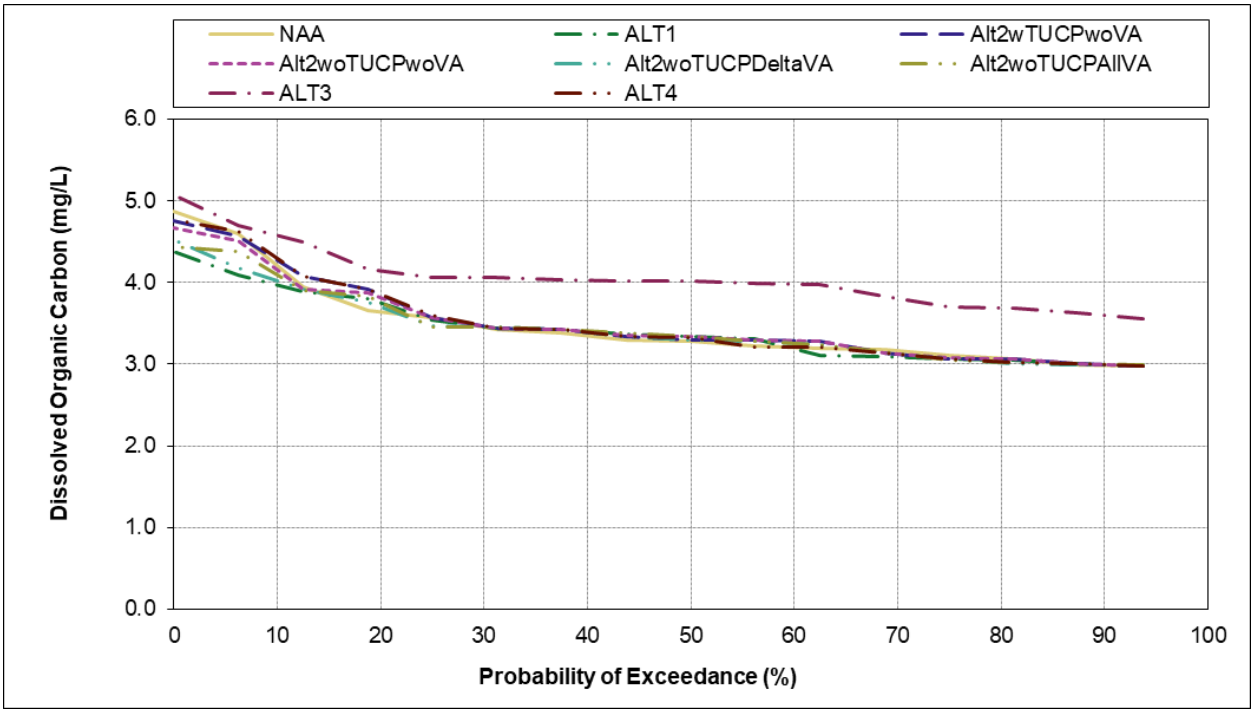

Figure G.6-3-9. Jones Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), July

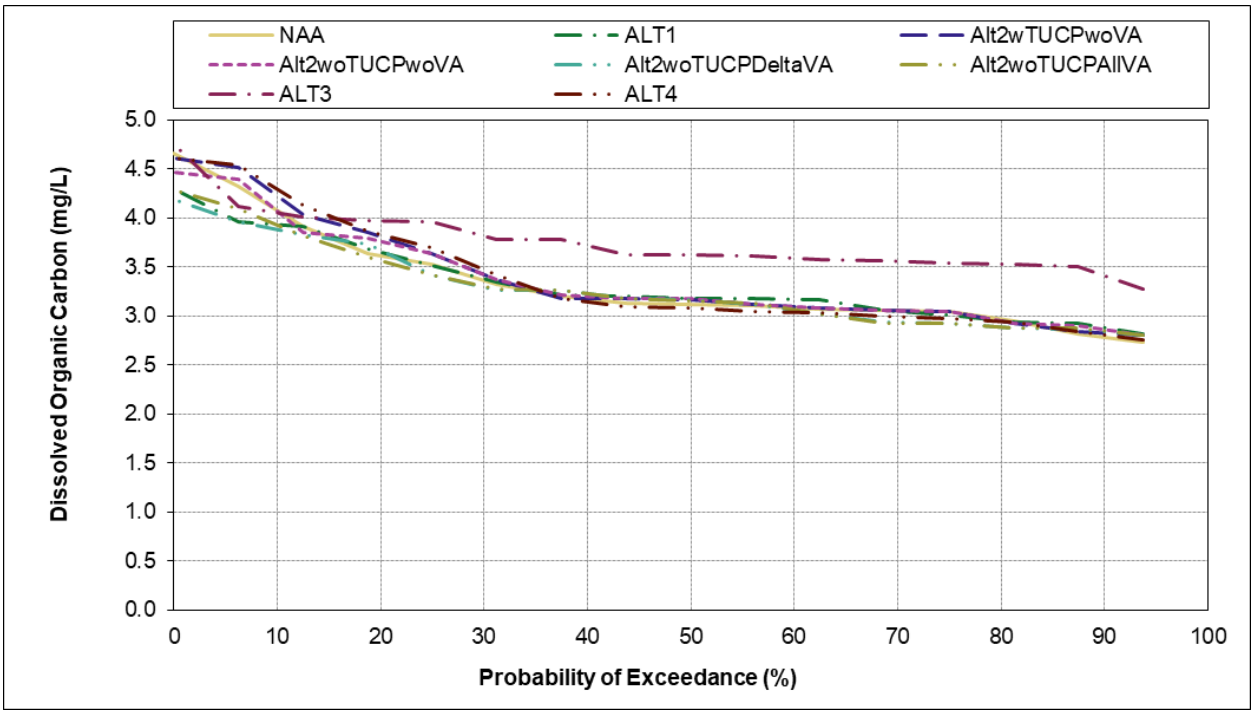

Figure G.6-3-10. Jones Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), August

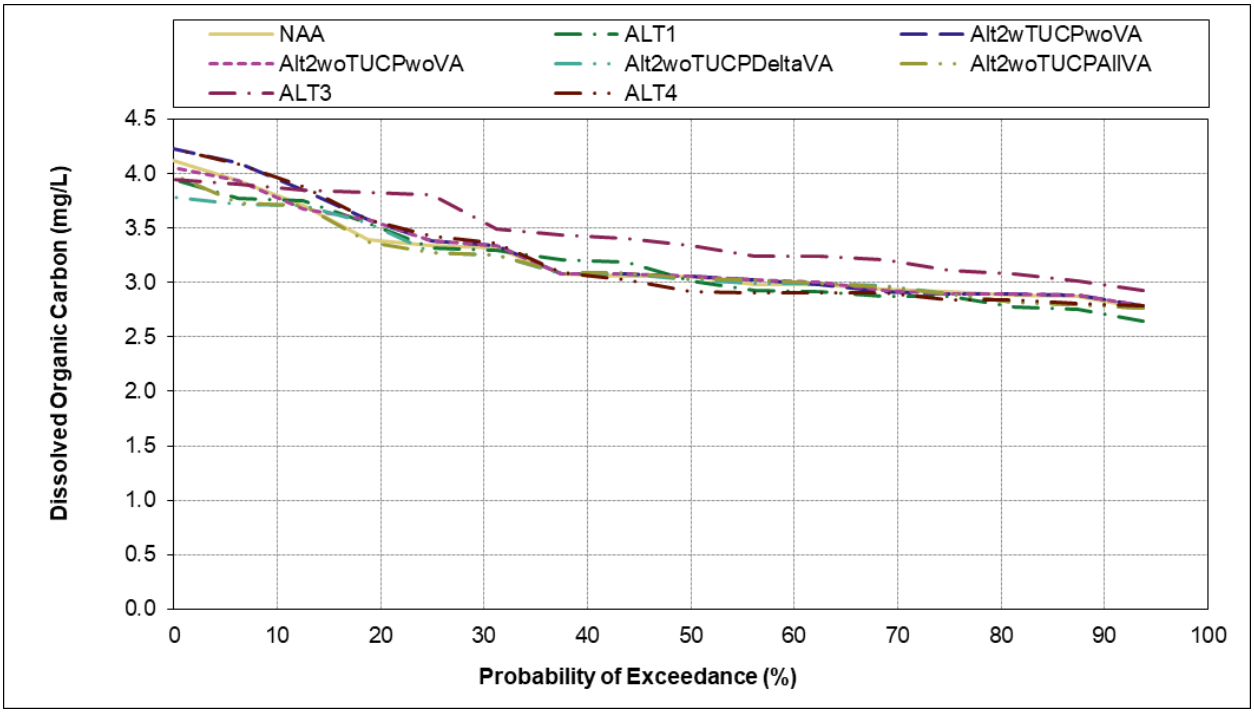

Figure G.6-3-11. Jones Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), September

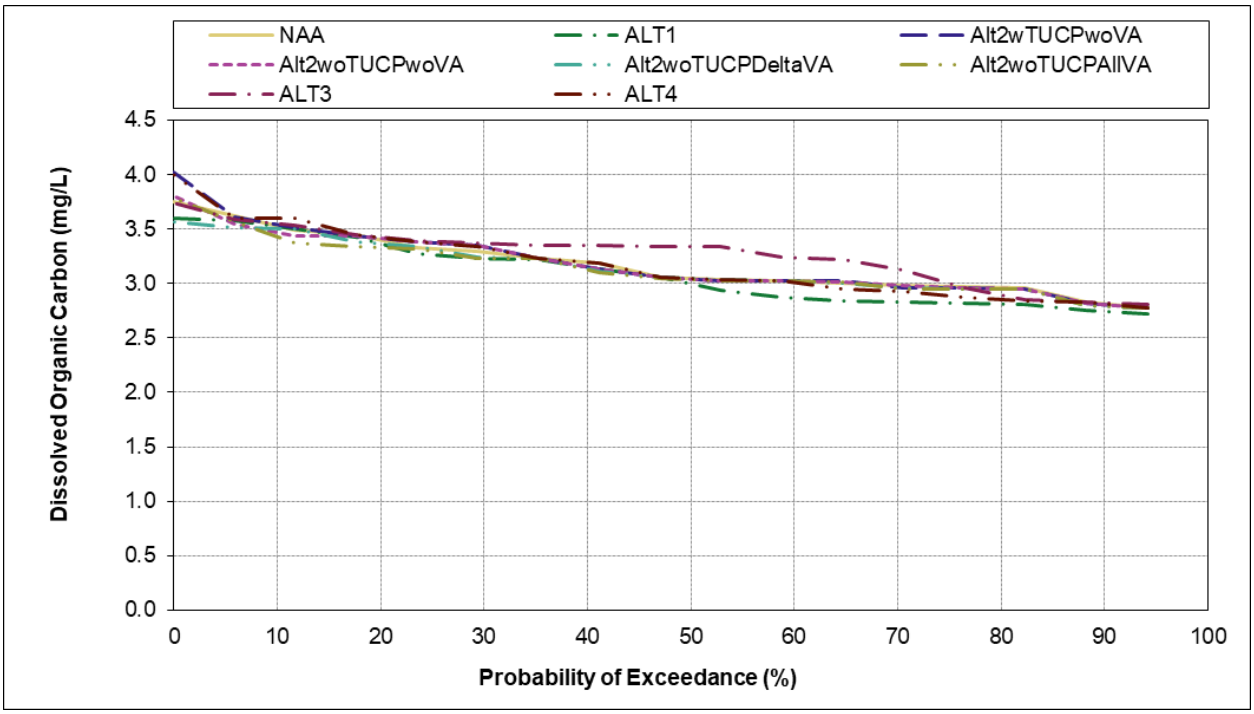

Figure G.6-3-12. Jones Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), October

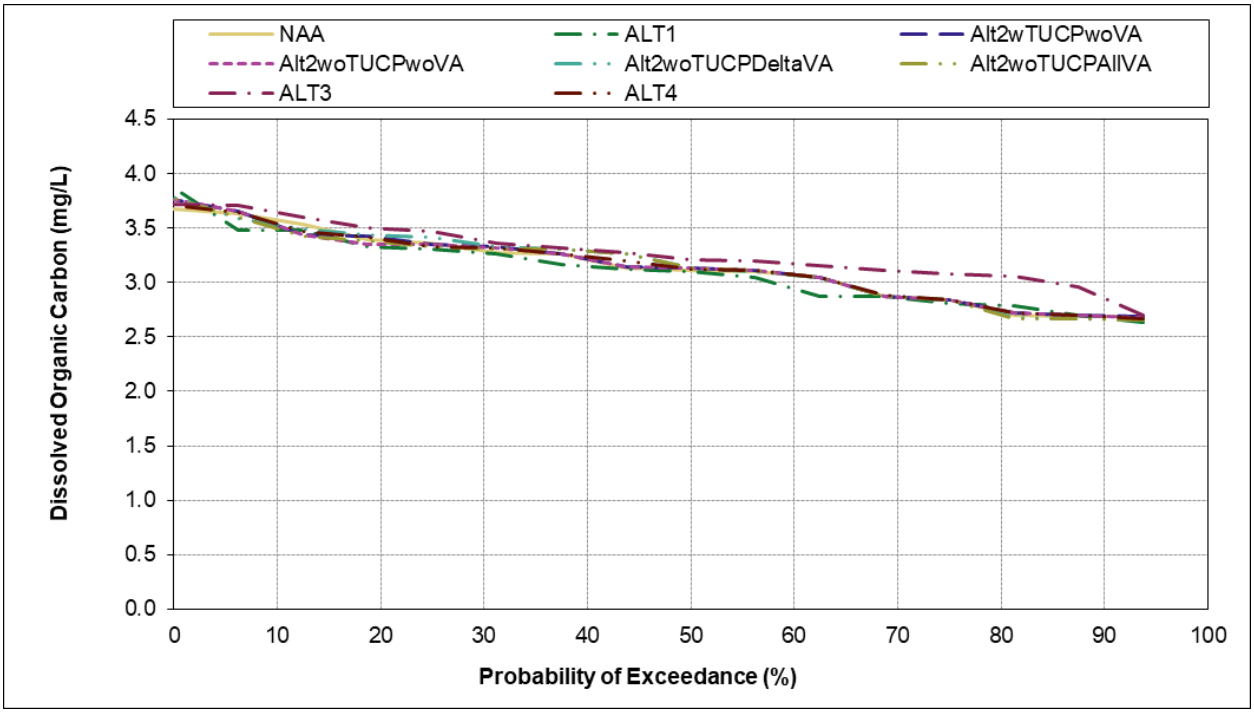

Figure G.6-3-13. Jones Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), November

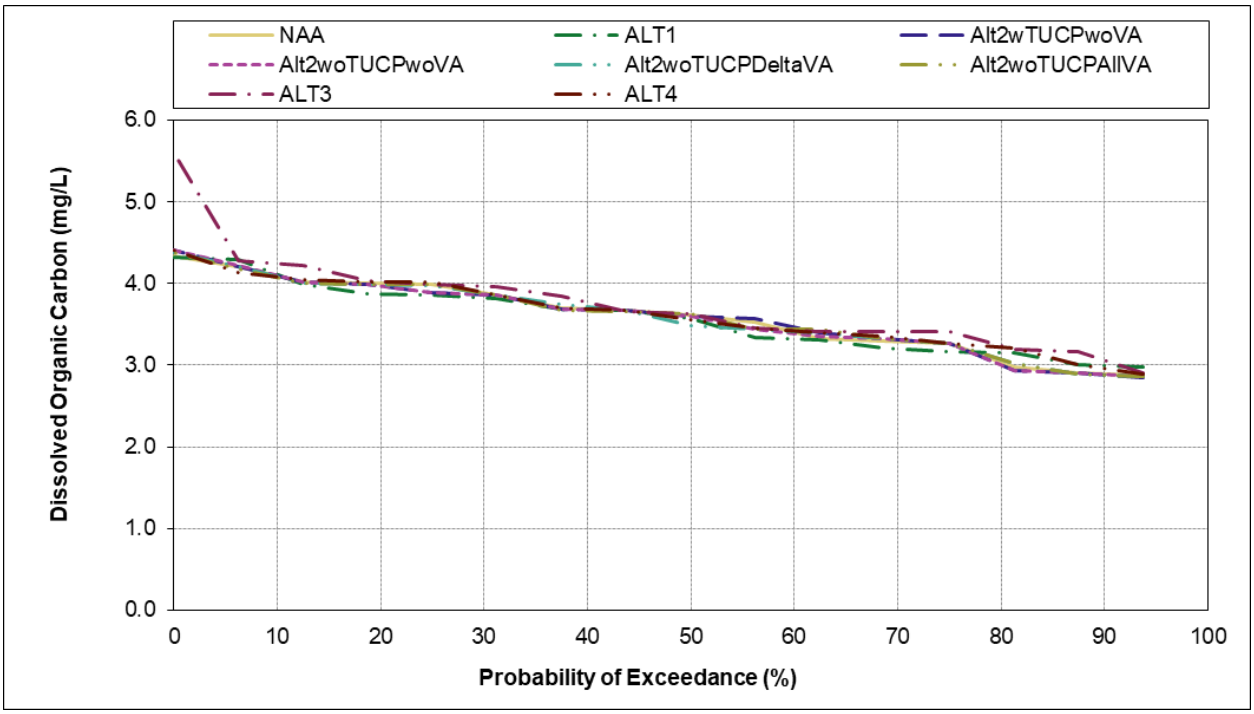

Figure G.6-3-14. Jones Pumping Plant, Monthly Average Dissolved Organic Carbon (in milligrams per liter), December

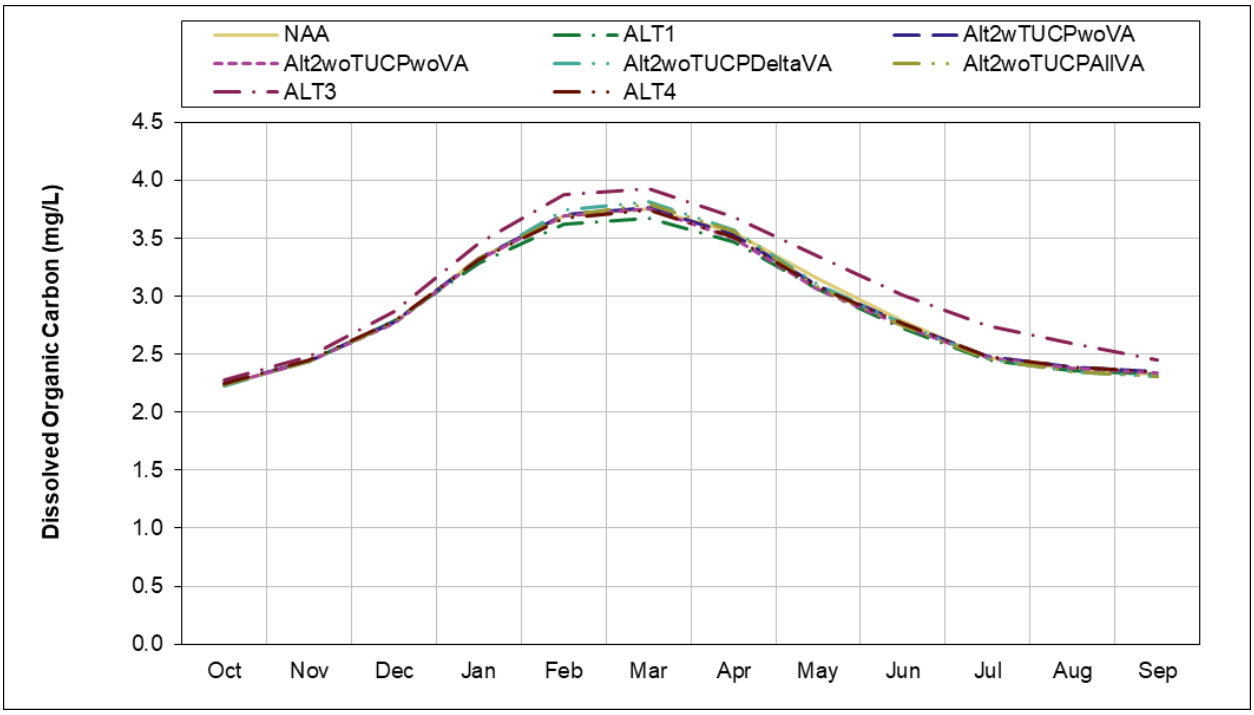

Figure G.6-4-1. San Joaquin River at Antioch, Long term Monthly Average Dissolved Organic Carbon (in milligrams per liter)

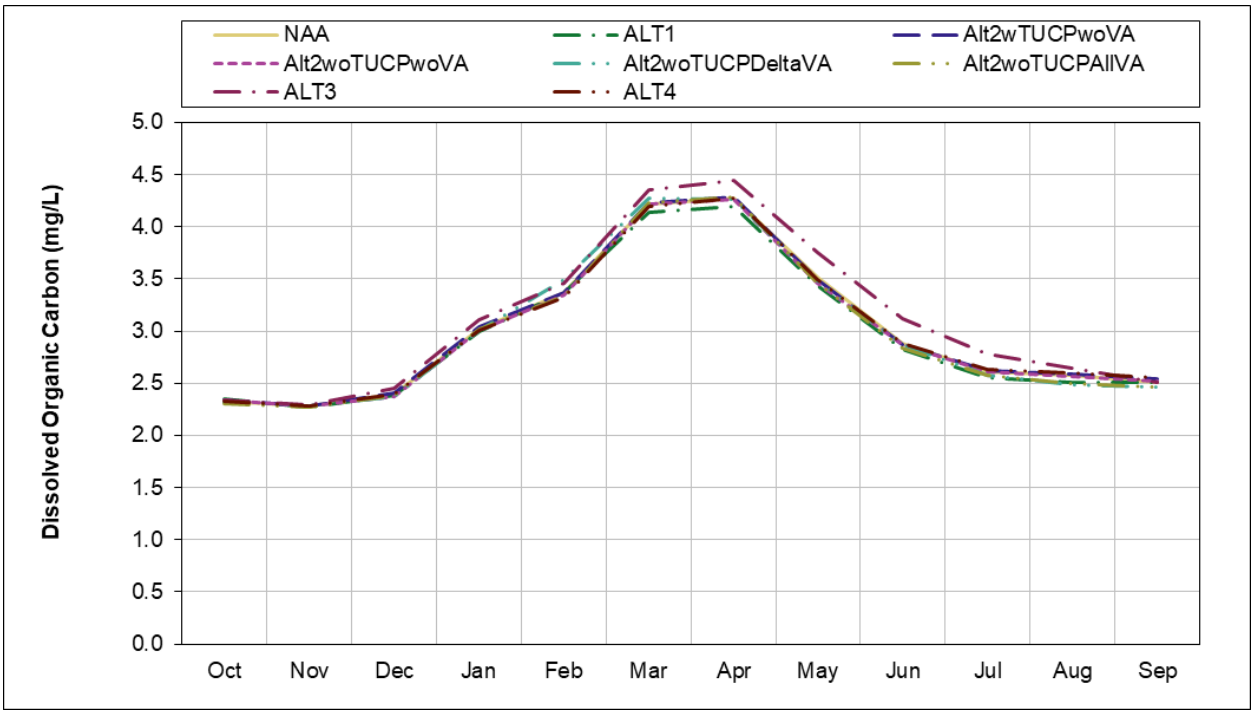

Figure G.6-4-2. San Joaquin River at Antioch, Drought Years (1987-1991) Monthly Average Dissolved Organic Carbon (in milligrams per liter)

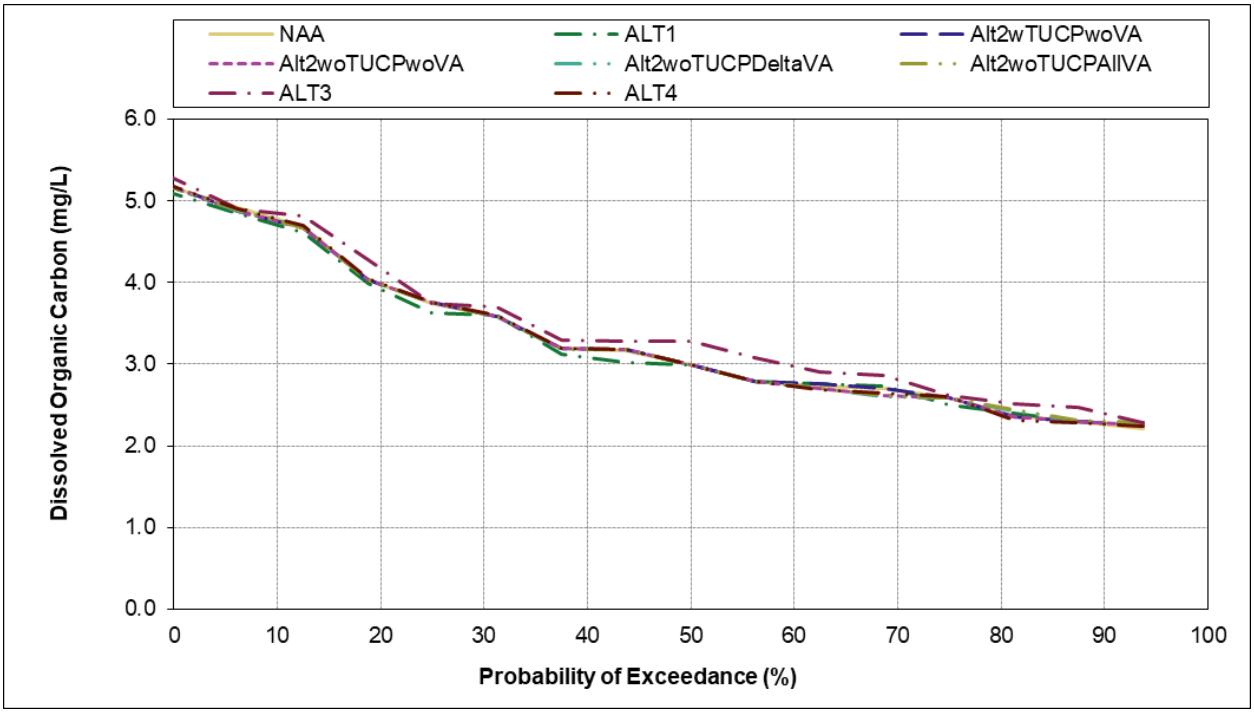

Figure G.6-4-3. San Joaquin River at Antioch, Monthly Average Dissolved Organic Carbon (in milligrams per liter), January

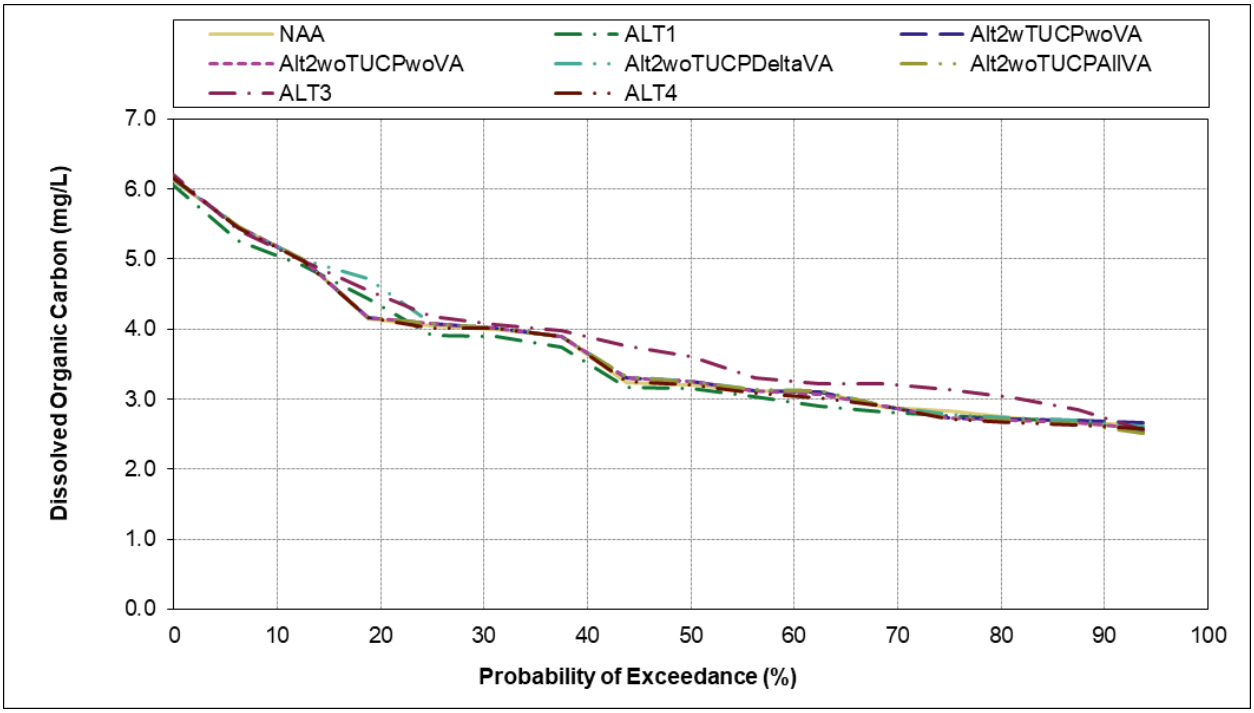

Figure G.6-4-4. San Joaquin River at Antioch, Monthly Average Dissolved Organic Carbon (in milligrams per liter), February

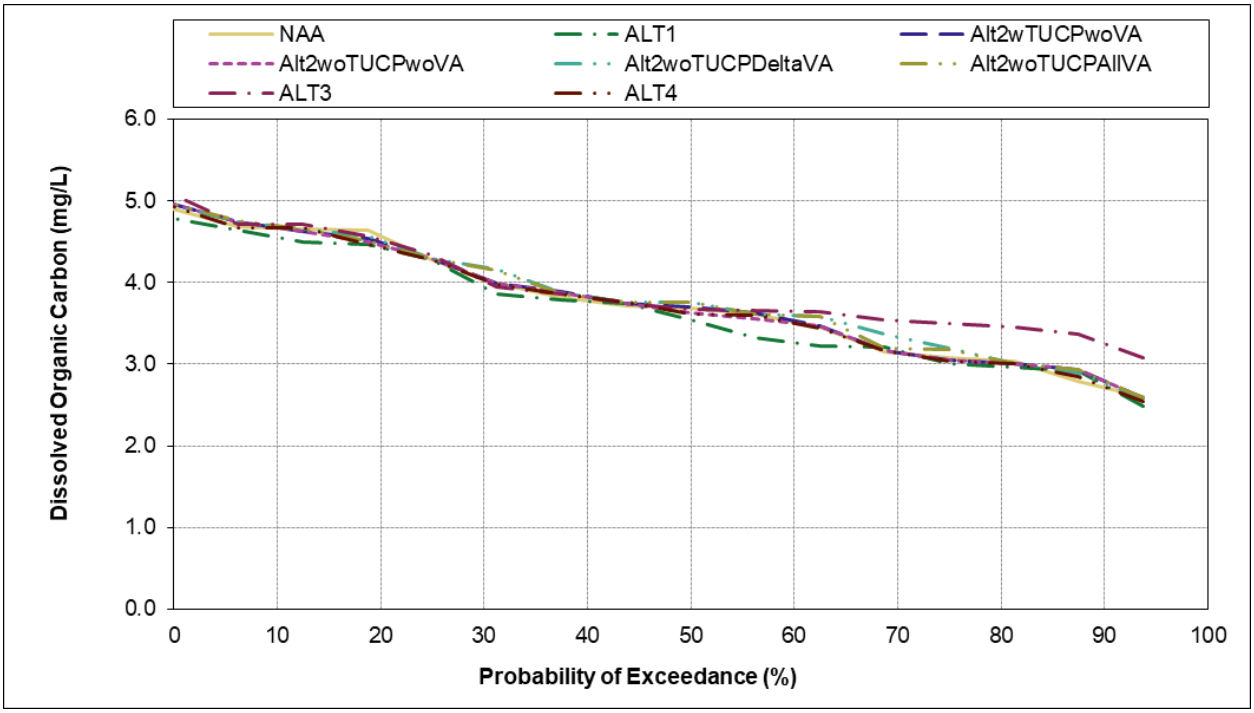

Figure G.6-4-5. San Joaquin River at Antioch, Monthly Average Dissolved Organic Carbon (in milligrams per liter), March

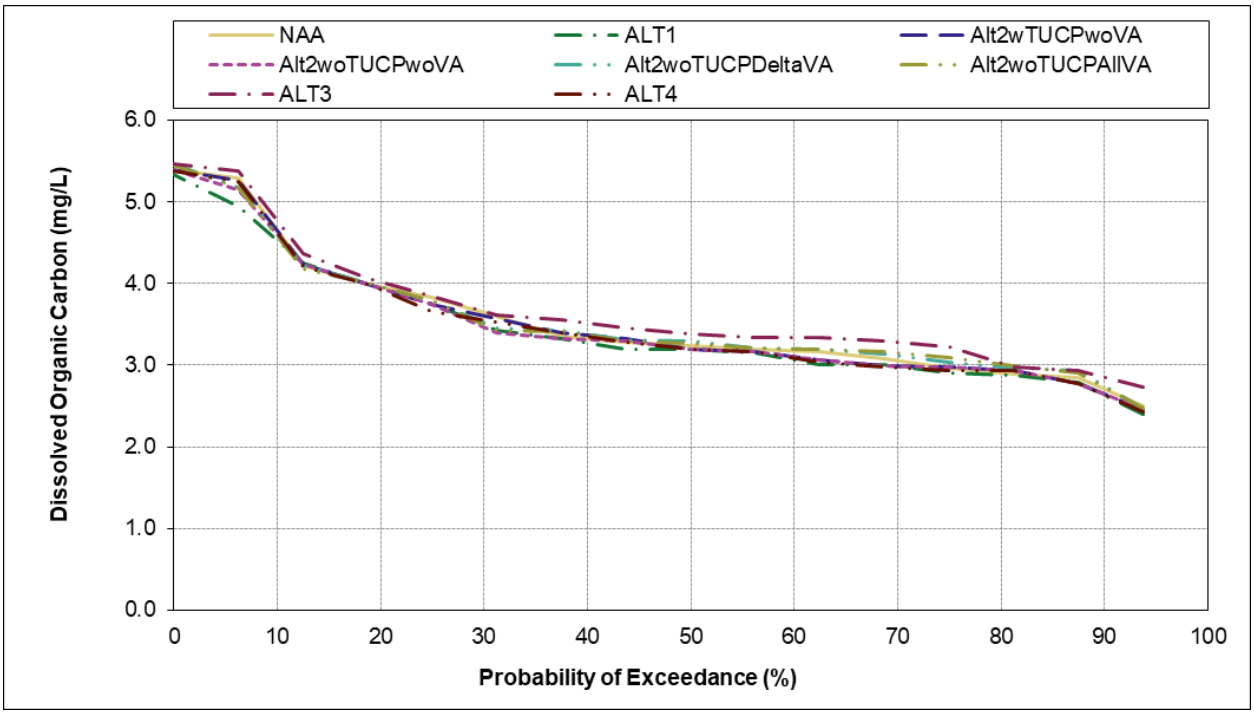

Figure G.6-4-6. San Joaquin River at Antioch, Monthly Average Dissolved Organic Carbon (in milligrams per liter), April

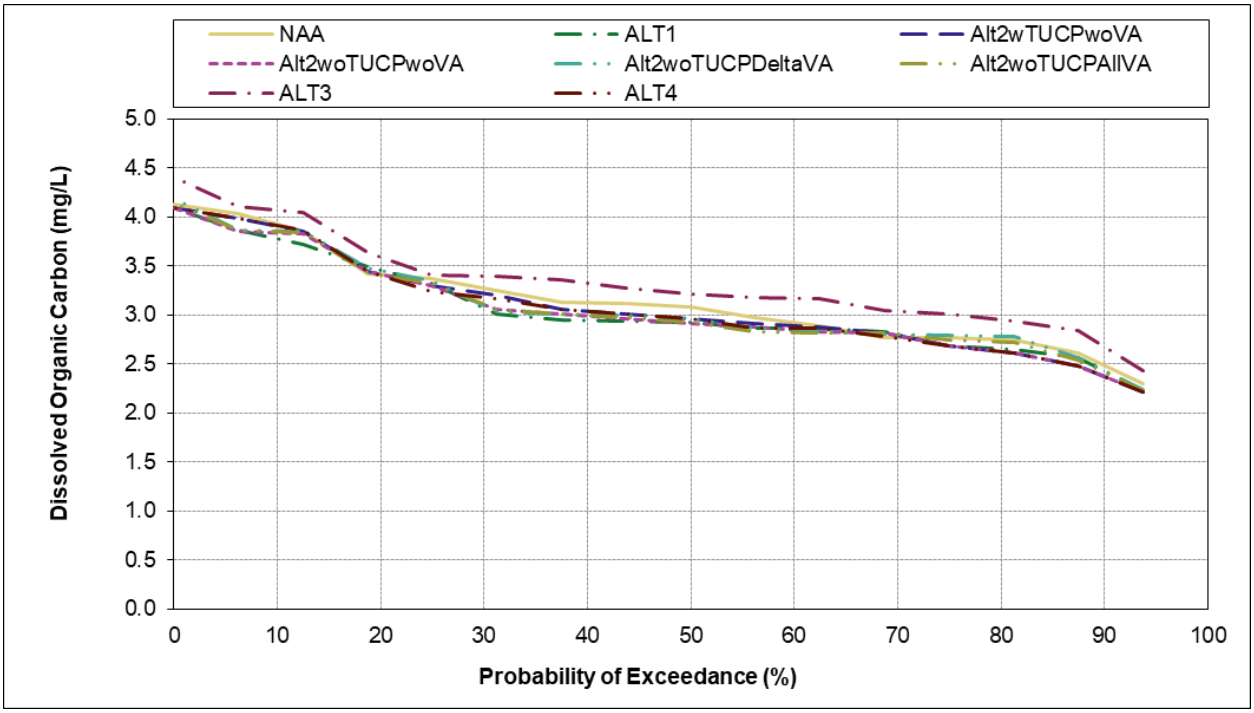

Figure G.6-4-7. San Joaquin River at Antioch, Monthly Average Dissolved Organic Carbon (in milligrams per liter), May

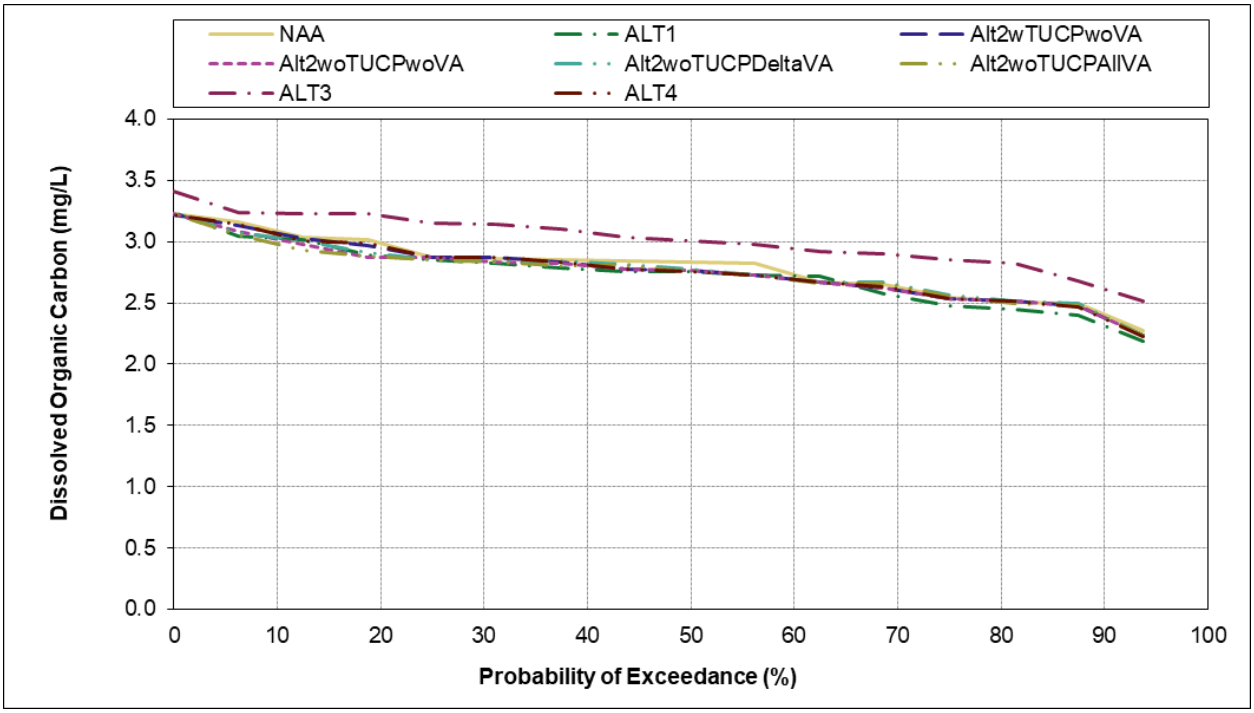

Figure G.6-4-8. San Joaquin River at Antioch, Monthly Average Dissolved Organic Carbon (in milligrams per liter), June

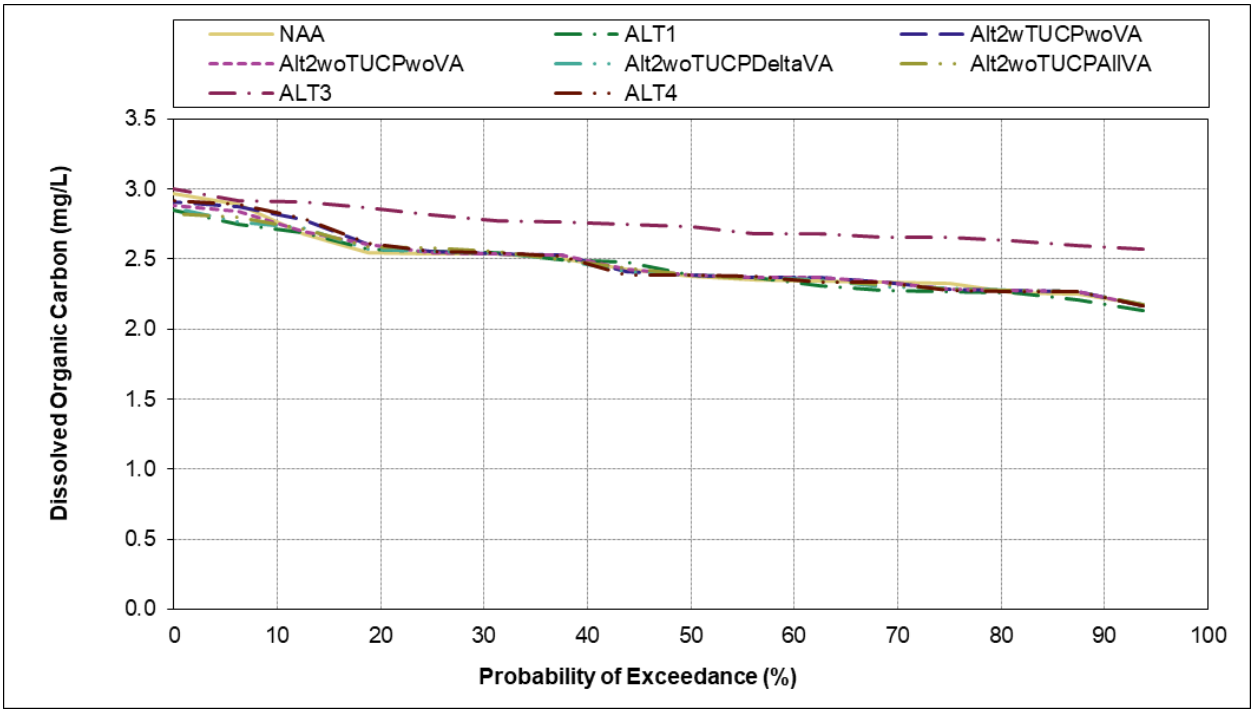

Figure G.6-4-9. San Joaquin River at Antioch, Monthly Average Dissolved Organic Carbon (in milligrams per liter), July

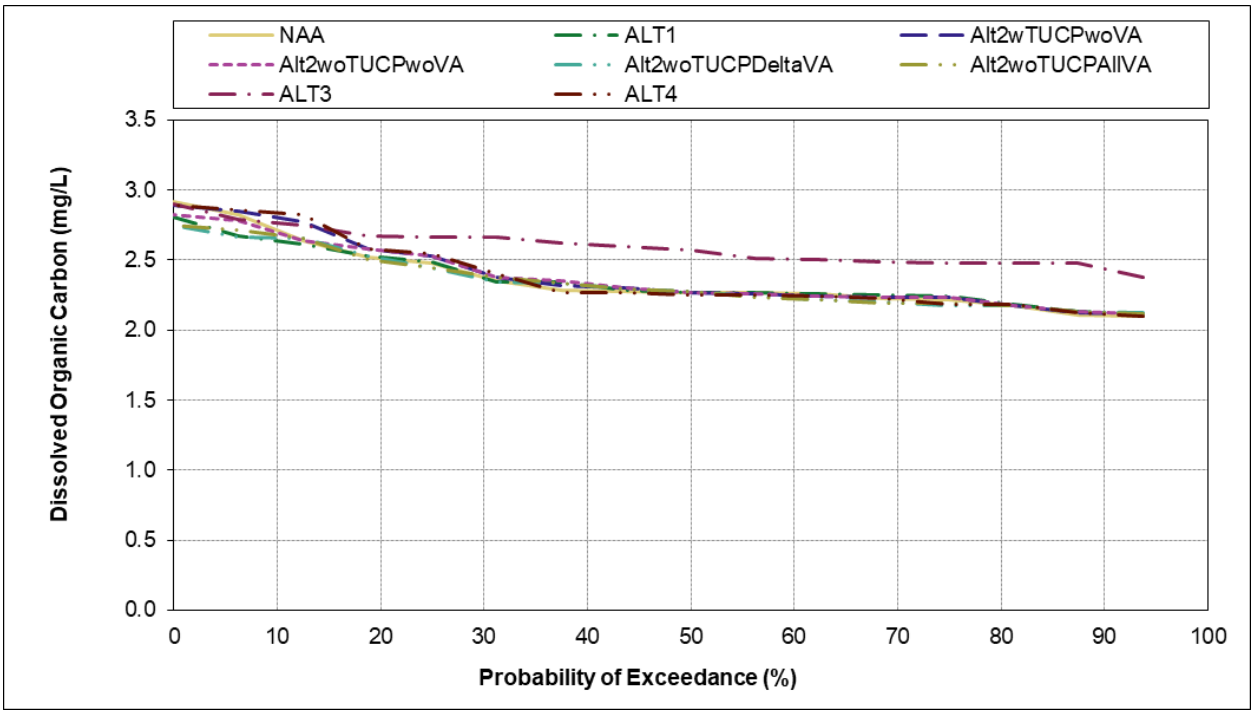

Figure G.6-4-10. San Joaquin River at Antioch, Monthly Average Dissolved Organic Carbon (in milligrams per liter), August

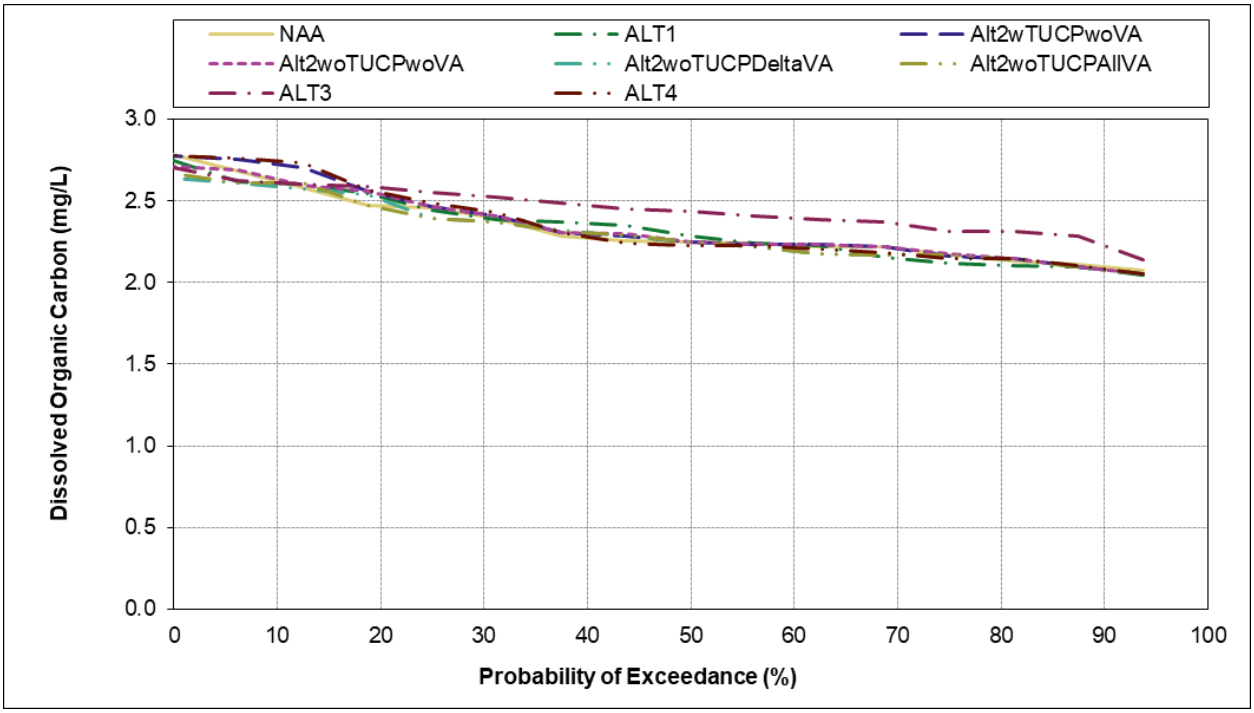

Figure G.6-4-11. San Joaquin River at Antioch, Monthly Average Dissolved Organic Carbon (in milligrams per liter), September

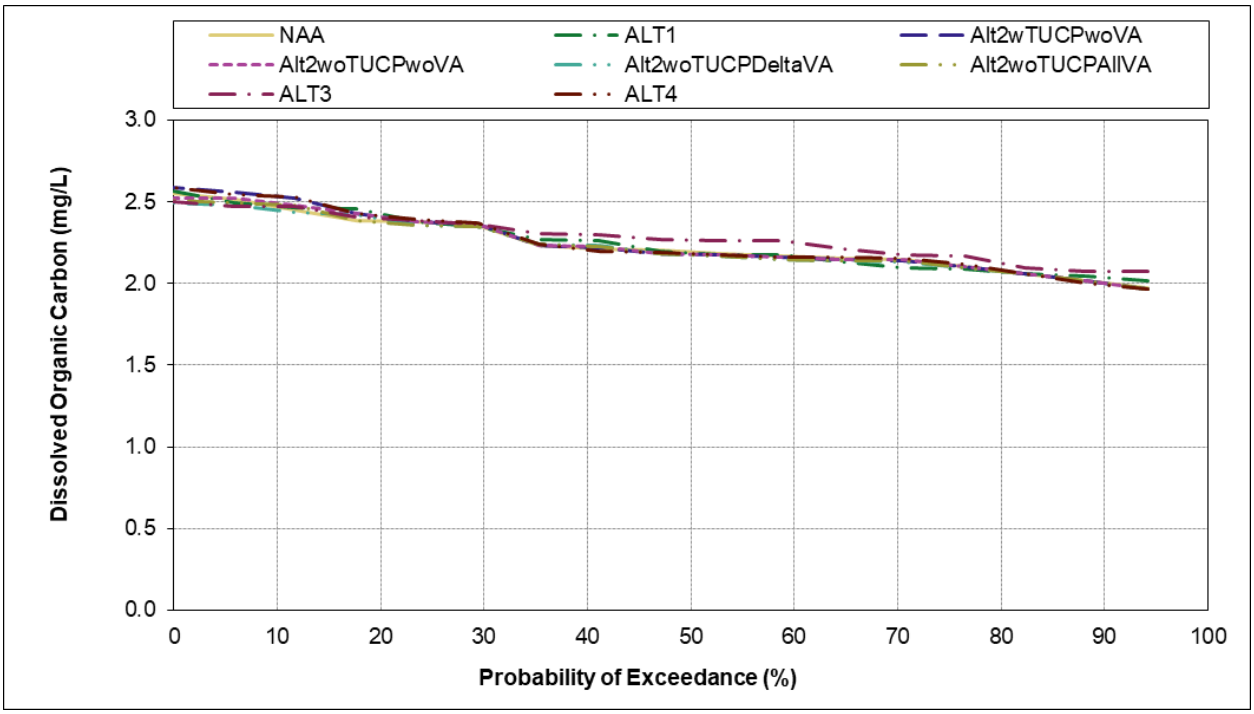

Figure G.6-4-12. San Joaquin River at Antioch, Monthly Average Dissolved Organic Carbon (in milligrams per liter), October

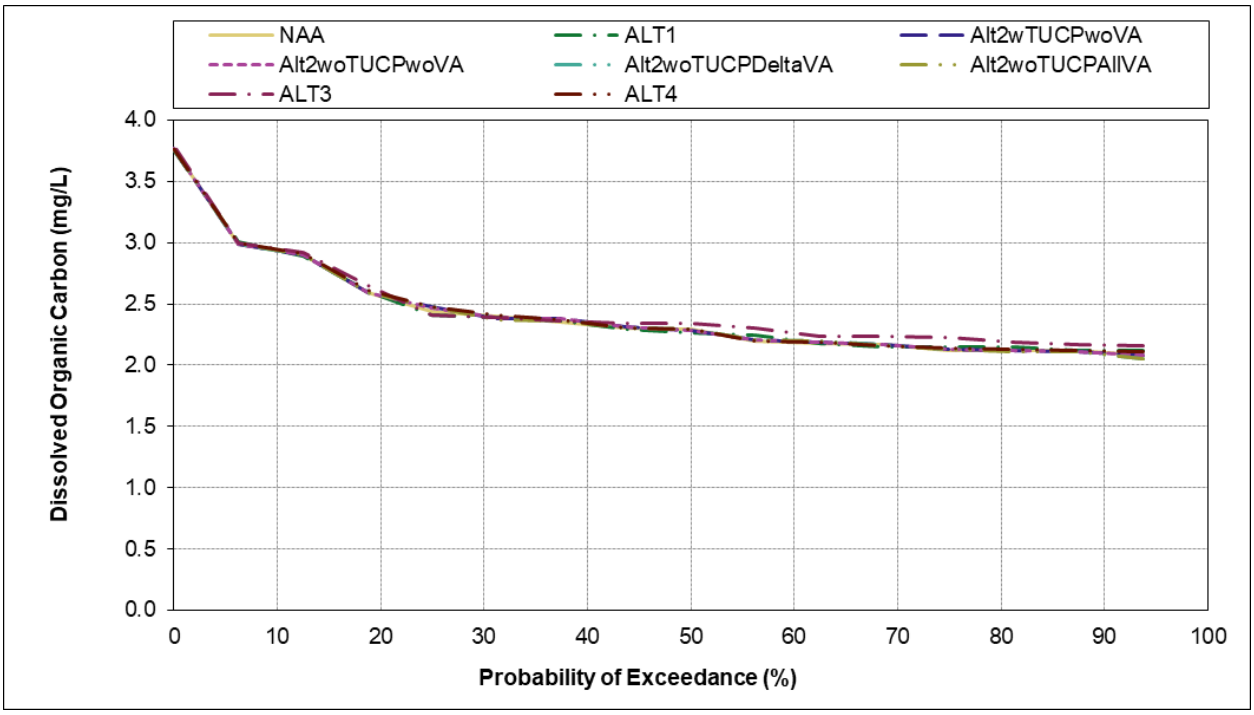

Figure G.6-4-13. San Joaquin River at Antioch, Monthly Average Dissolved Organic Carbon (in milligrams per liter), November

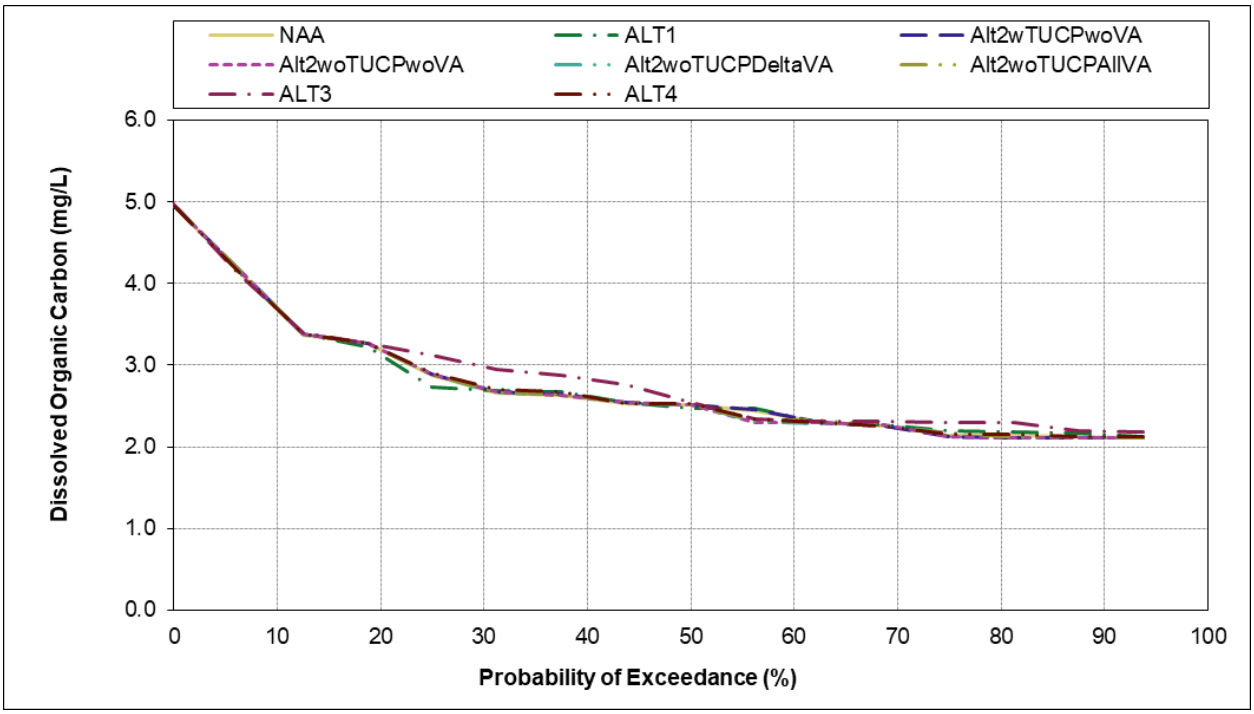

Figure G.6-4-14. San Joaquin River at Antioch, Monthly Average Dissolved Organic Carbon (in milligrams per liter), December

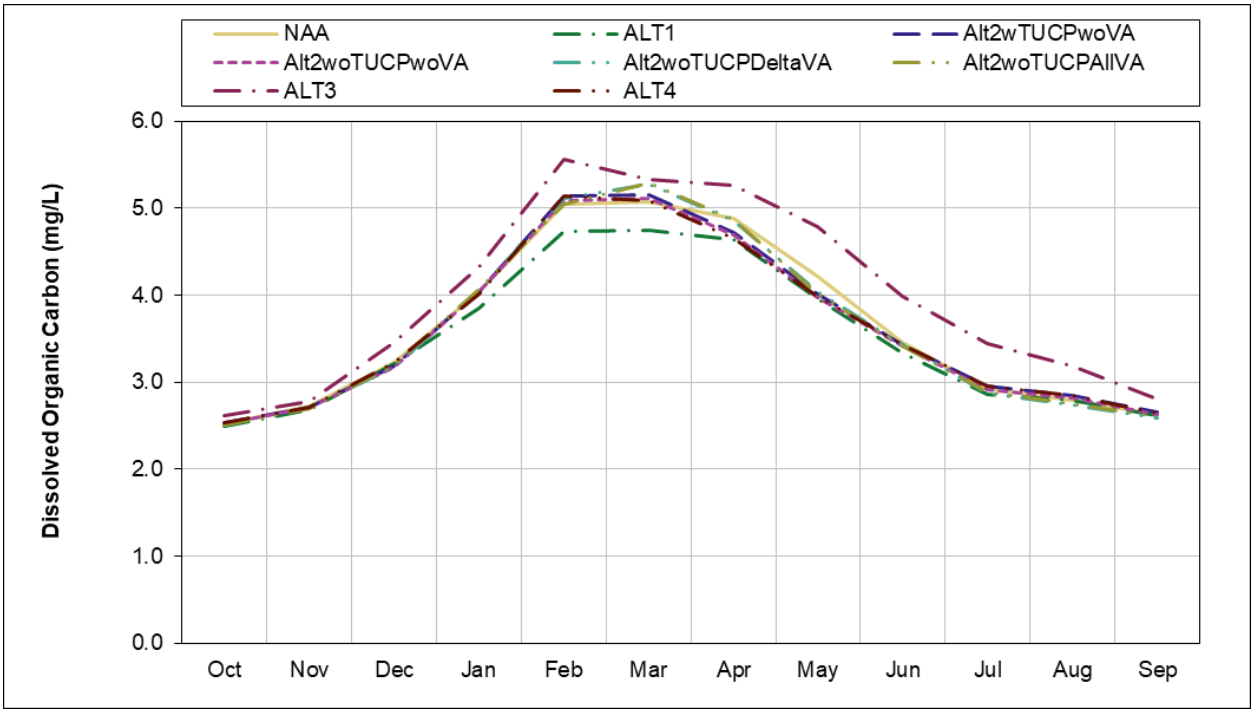

Figure G.6-5-1. Contra Costa Water District Pumping Plant #1, Long term Monthly Average Dissolved Organic Carbon (in milligrams per liter)

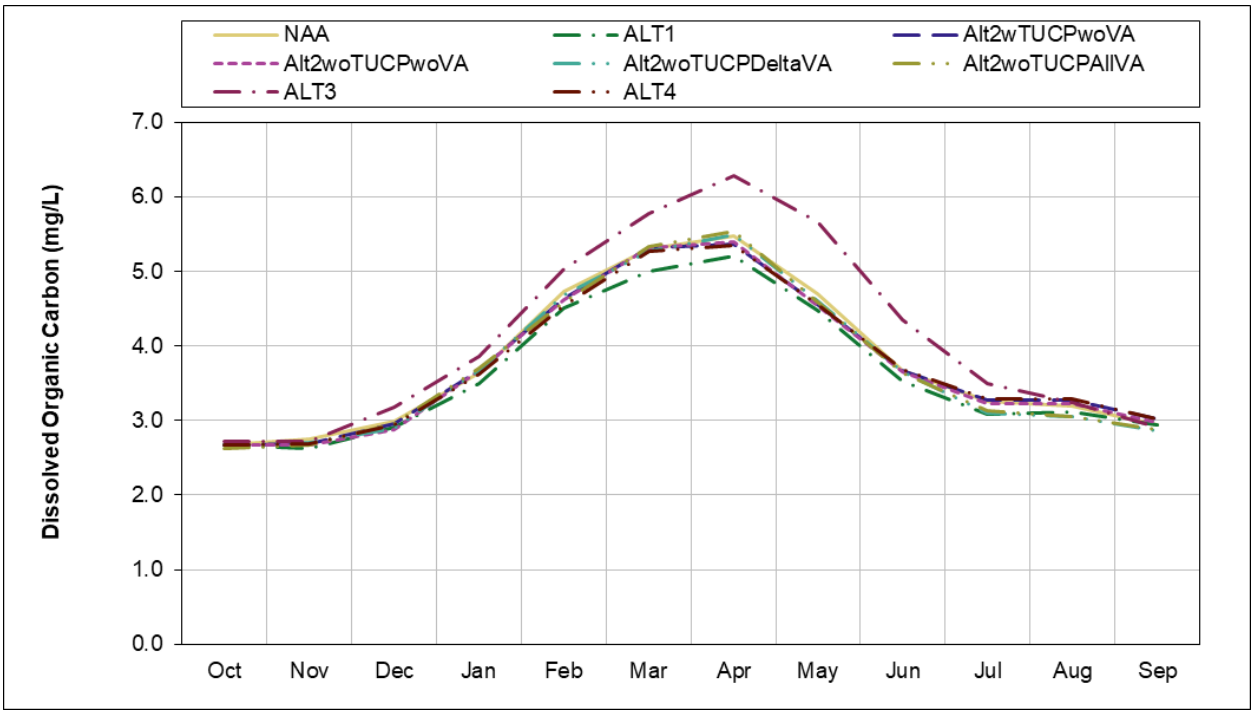

Figure G.6-5-2. Contra Costa Water District Pumping Plant #1, Drought Years (1987-1991) Monthly Average Dissolved Organic Carbon (in milligrams per liter)

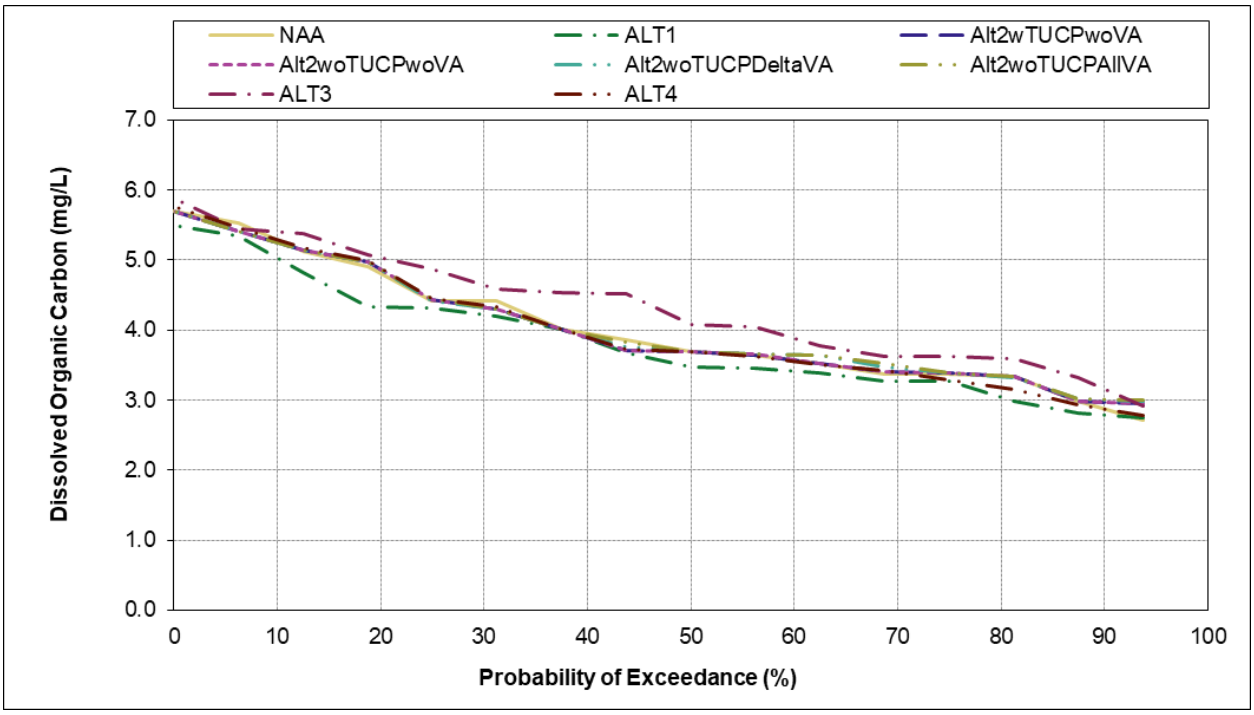

Figure G.6-5-3. Contra Costa Water District Pumping Plant #1, Monthly Average Dissolved Organic Carbon (in milligrams per liter), January

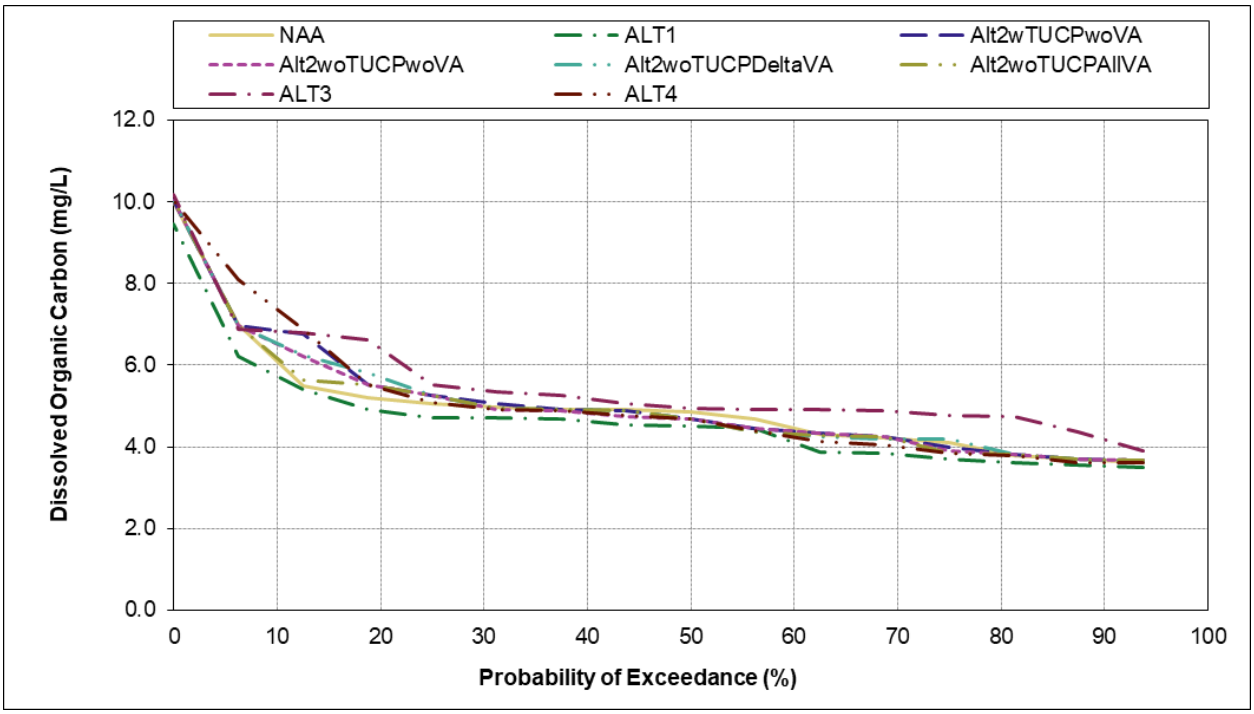

Figure G.6-5-4. Contra Costa Water District Pumping Plant #1, Monthly Average Dissolved Organic Carbon (in milligrams per liter), February

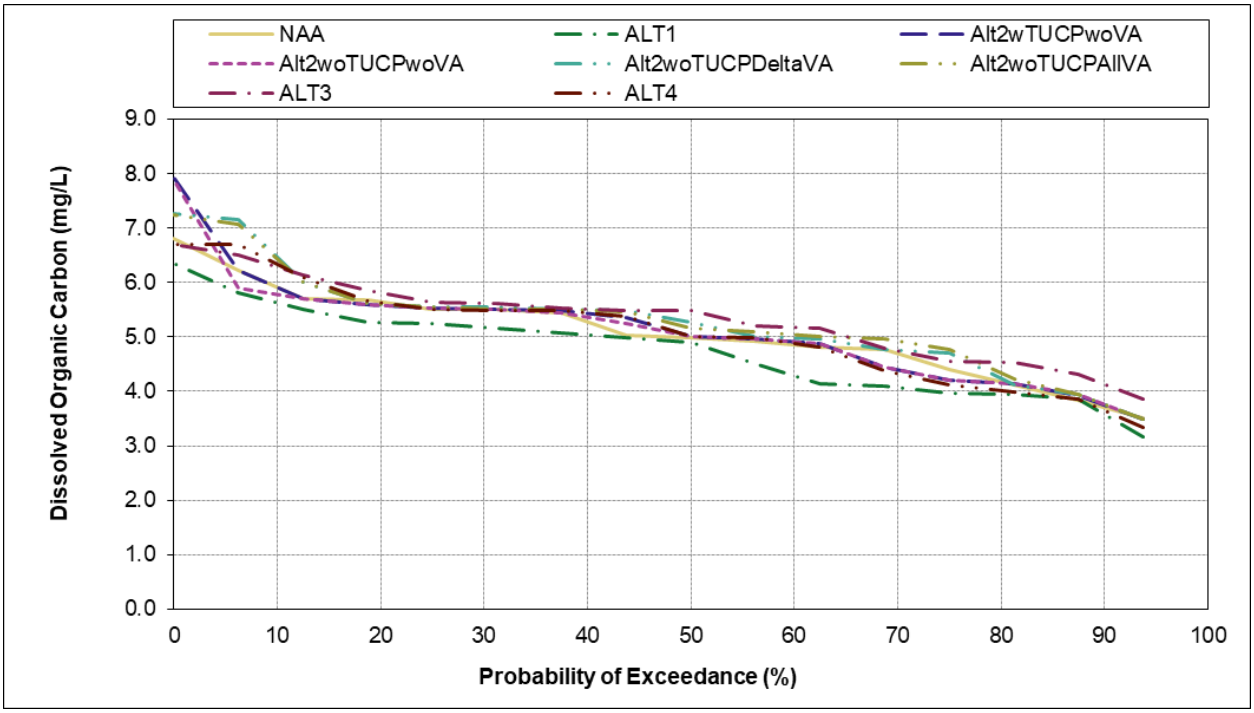

Figure G.6-5-5. Contra Costa Water District Pumping Plant #1, Monthly Average Dissolved Organic Carbon (in milligrams per liter), March

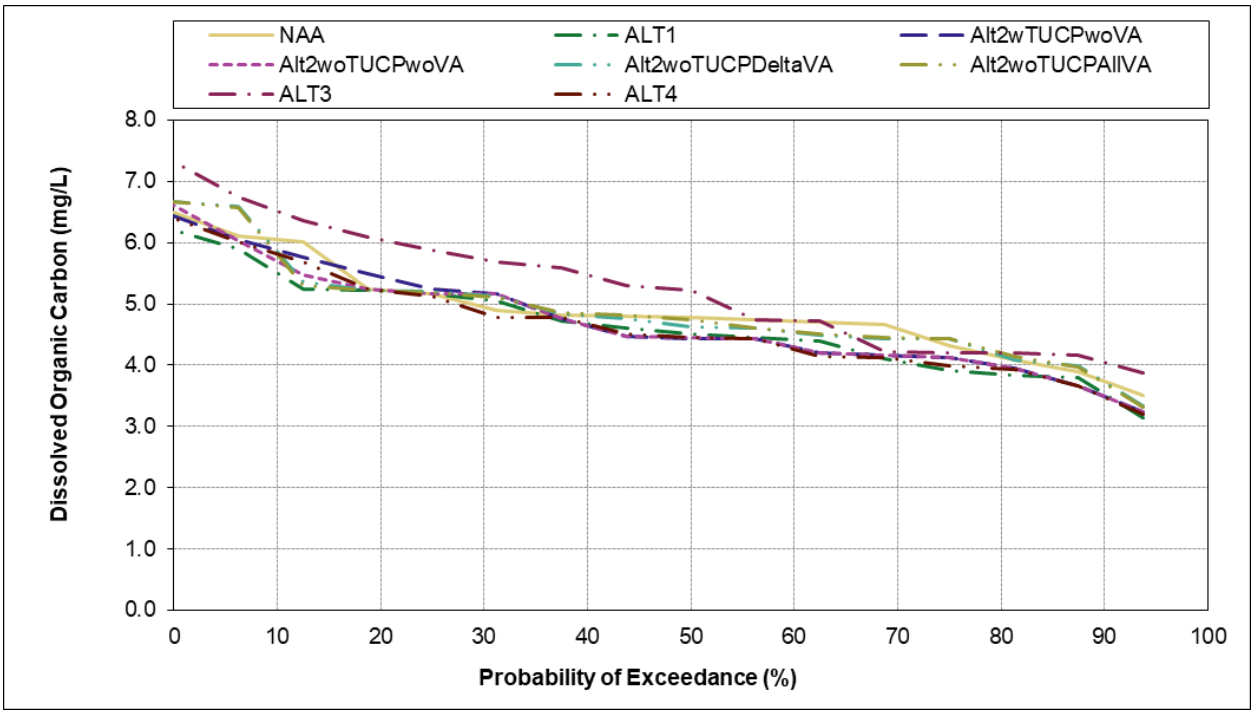

Figure G.6-5-6. Contra Costa Water District Pumping Plant #1, Monthly Average Dissolved Organic Carbon (in milligrams per liter), April

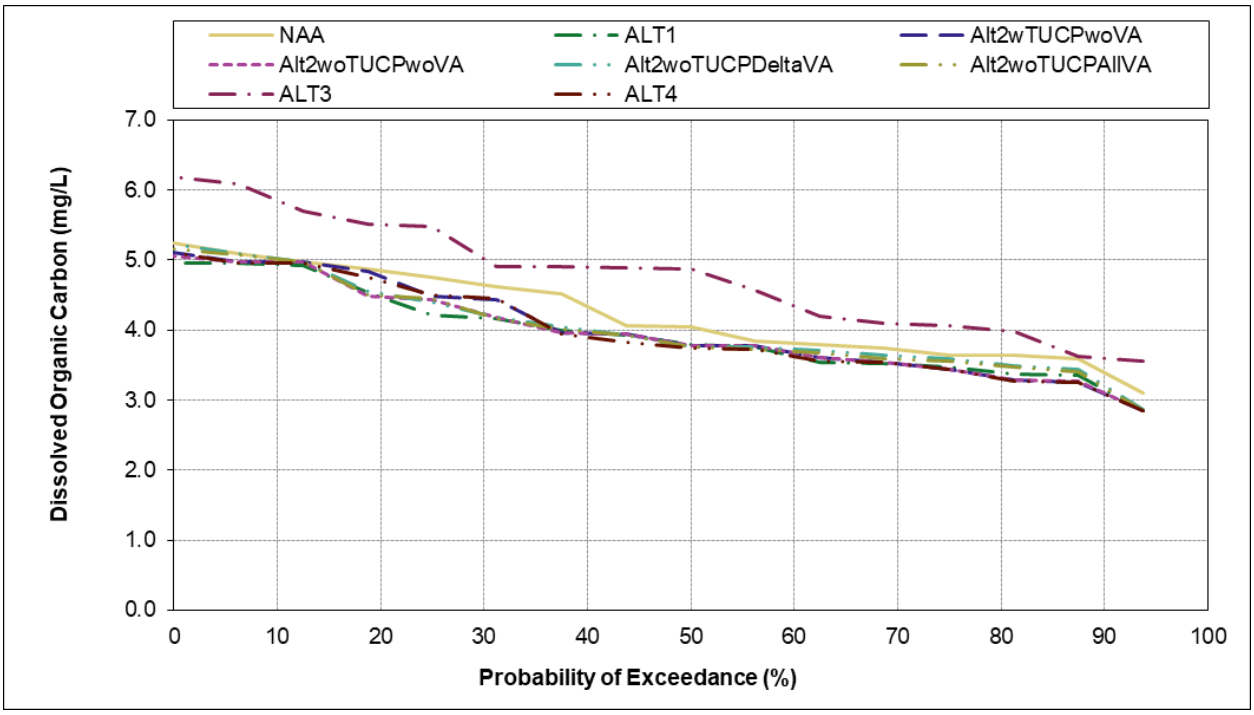

Figure G.6-5-7. Contra Costa Water District Pumping Plant #1, Monthly Average Dissolved Organic Carbon (in milligrams per liter), May

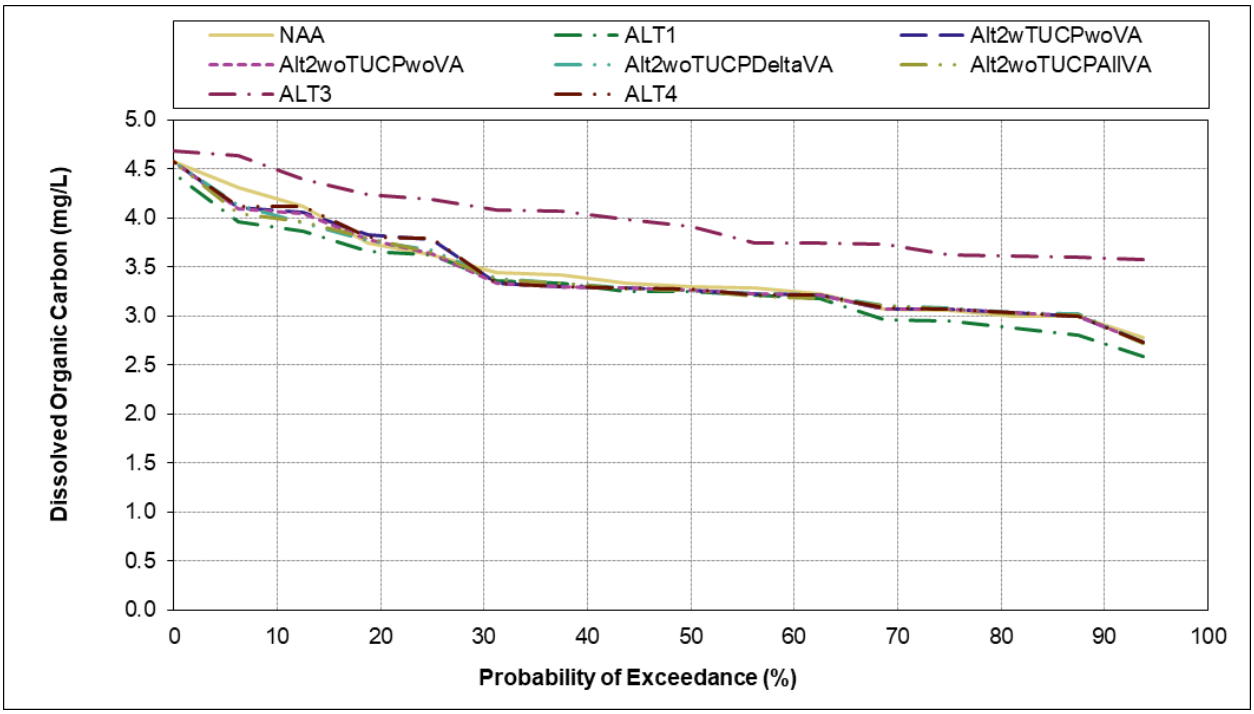

Figure G.6-5-8. Contra Costa Water District Pumping Plant #1, Monthly Average Dissolved Organic Carbon (in milligrams per liter), June

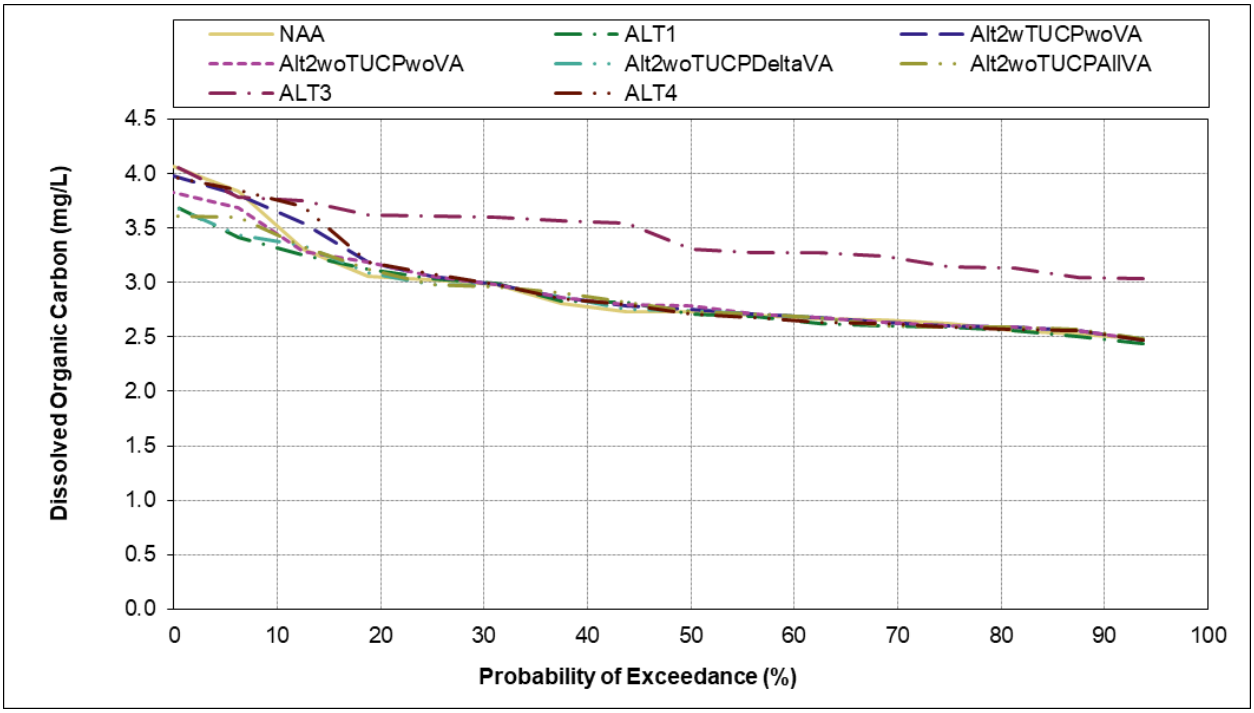

Figure G.6-5-9. Contra Costa Water District Pumping Plant #1, Monthly Average Dissolved Organic Carbon (in milligrams per liter), July

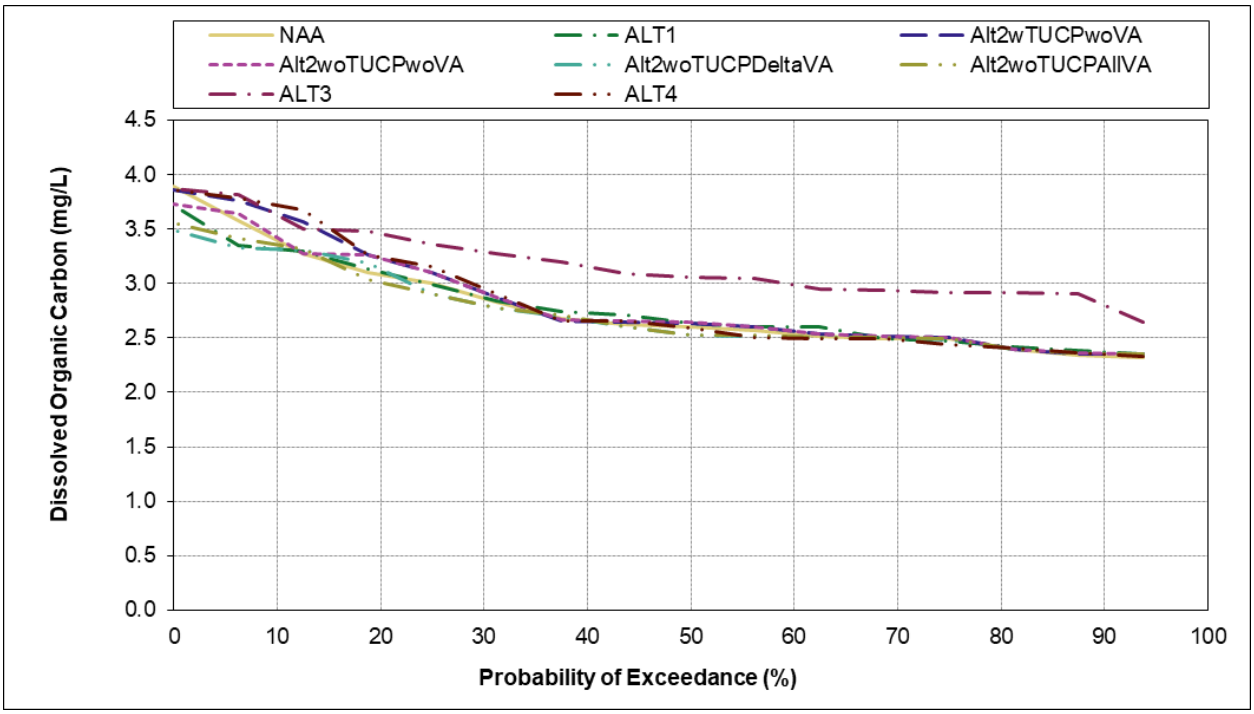

Figure G.6-5-10. Contra Costa Water District Pumping Plant #1, Monthly Average Dissolved Organic Carbon (in milligrams per liter), August

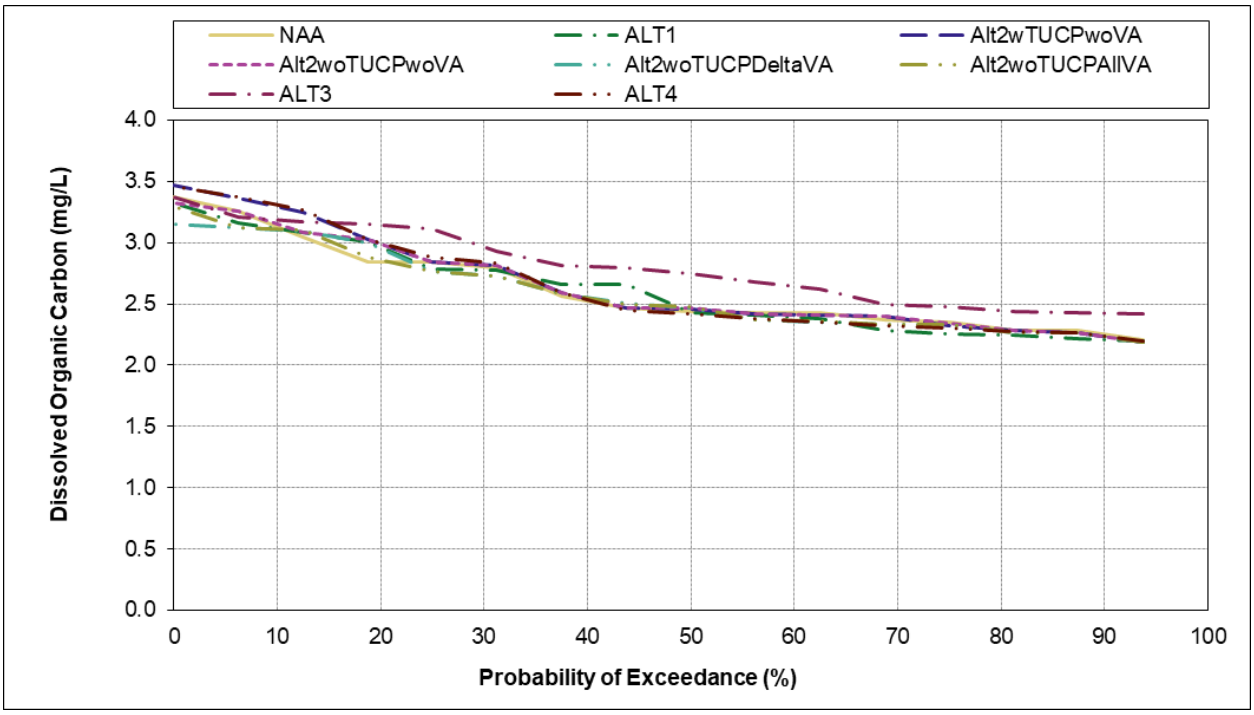

Figure G.6-5-11. Contra Costa Water District Pumping Plant #1, Monthly Average Dissolved Organic Carbon (in milligrams per liter), September

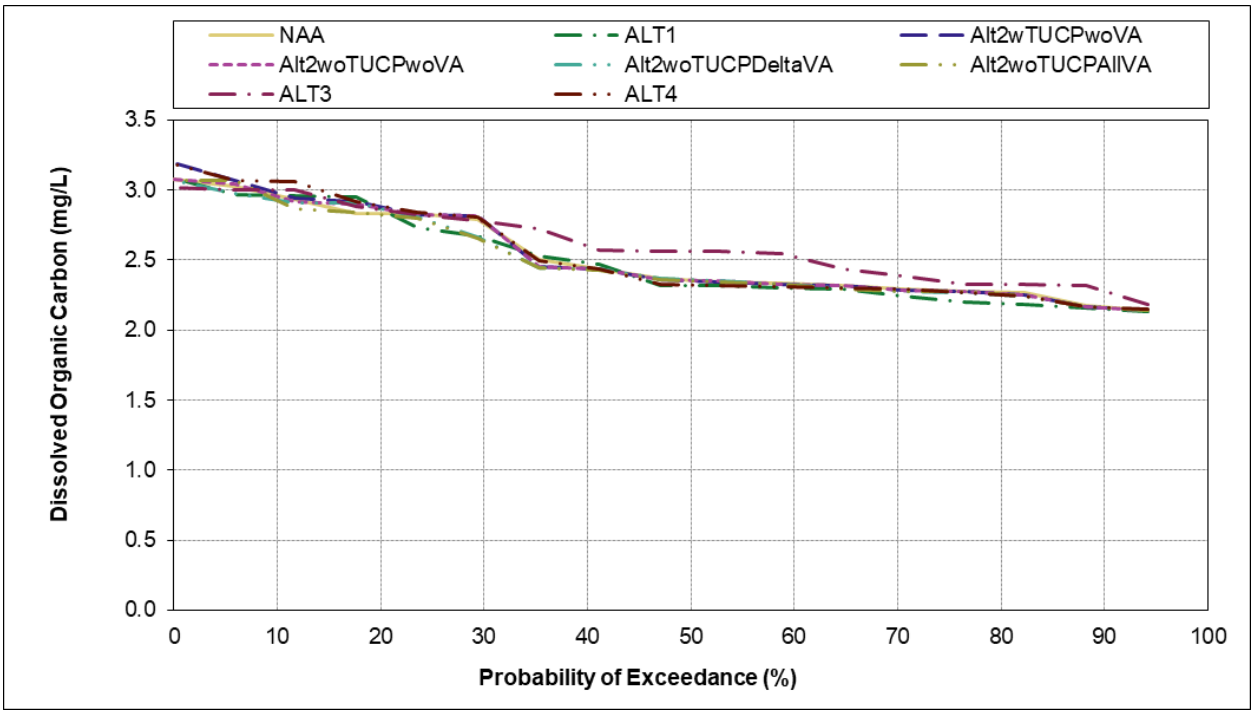

Figure G.6-5-12. Contra Costa Water District Pumping Plant #1, Monthly Average Dissolved Organic Carbon (in milligrams per liter), October

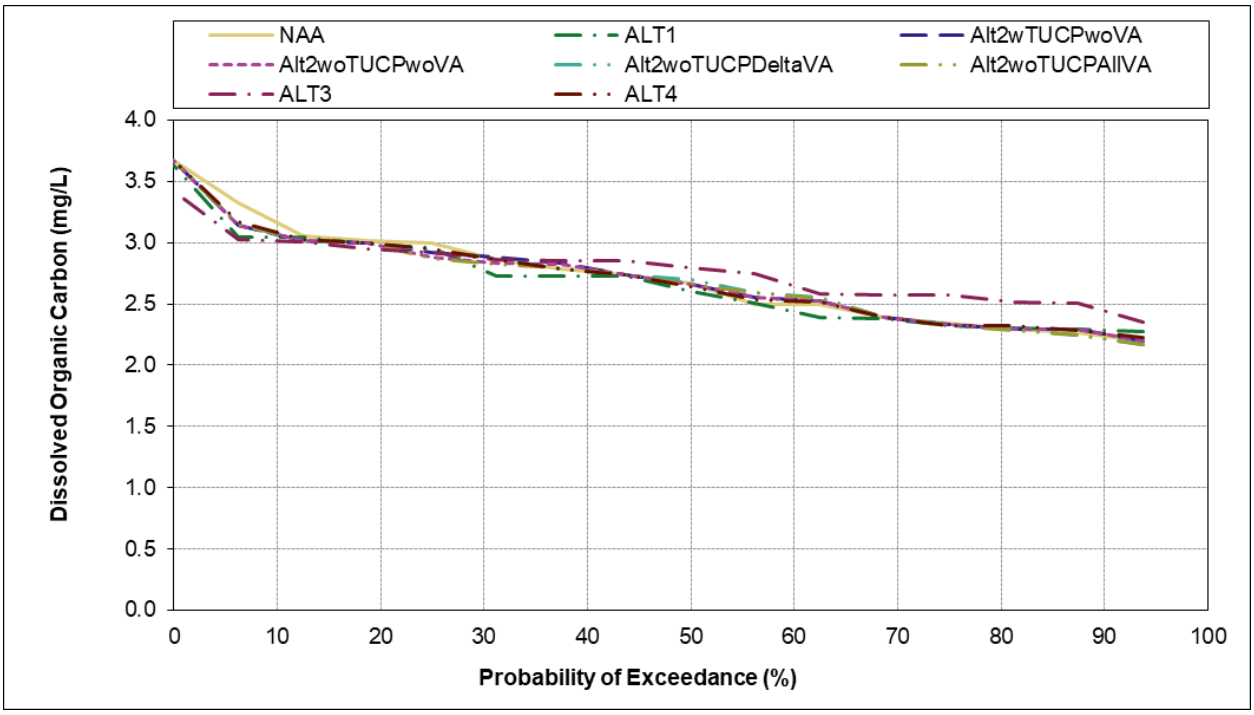

Figure G.6-5-13. Contra Costa Water District Pumping Plant #1, Monthly Average Dissolved Organic Carbon (in milligrams per liter), November

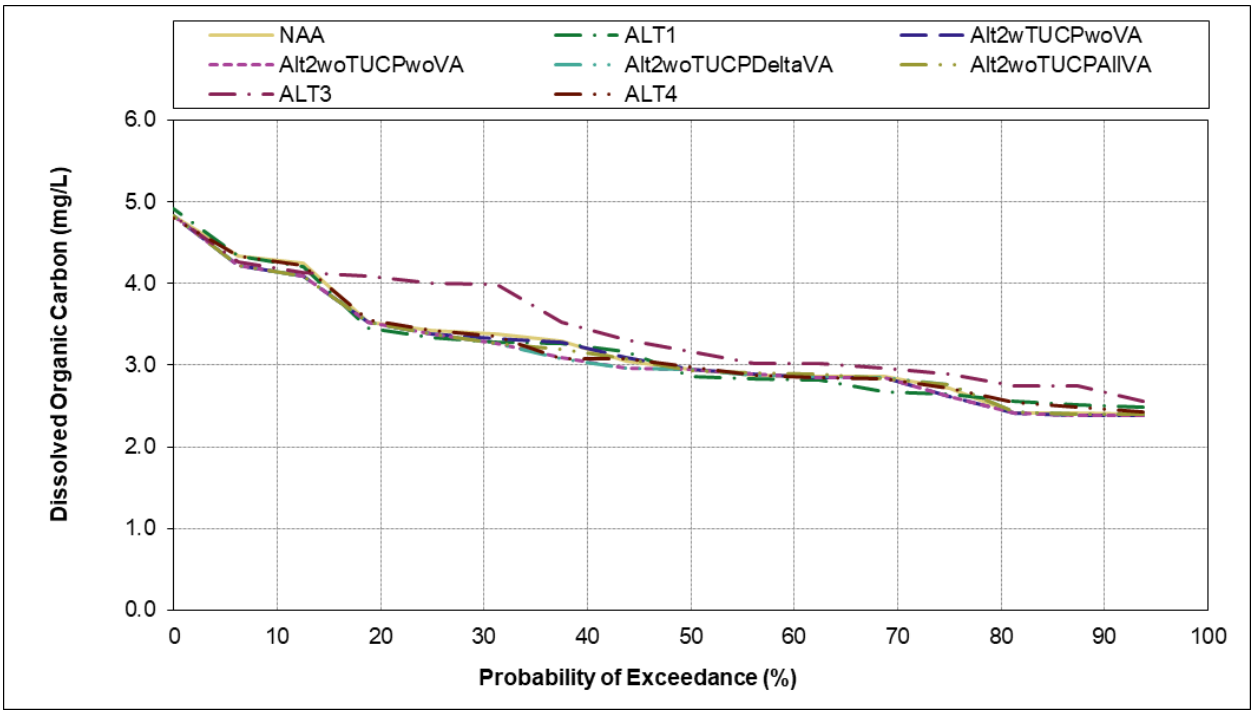

Figure G.6-5-14. Contra Costa Water District Pumping Plant #1, Monthly Average Dissolved Organic Carbon (in milligrams per liter), December

G.6.4 References

California Urban Water Agencies. 1998. *Bay-Delta Water Quality Evaluation, Draft Final Report.* Prepared by D. M. Owen, Malcolm Pirnie, Inc.; P. A. Daniel, Camp, Dresser and McKee; R. S. Summers, University of Cincinnati. Walnut Creek, CA. May.

Central Valley Regional Water Quality Control Board. 2019. *The Water Quality Control Plan (Basin Plan) for the California Regional Water Quality Control Board Central Valley Region-Fifth Edition.* Revised February 2019 (with Approved Amendments). California Regional Water Quality Control Board, Central Valley Region. Rancho Cordova, CA.