Appendix G, Water Quality Technical Appendix

Attachment G.1 Electrical Conductivity Modeling Results

The information contained in this attachment supports the quantitative assessment of the project alternatives' effects on electrical conductivity (EC) levels at Sacramento–San Joaquin Delta (Delta) and Suisun Marsh 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 EC modeling methodology.
- Applicable water quality criteria for EC used in the effects assessment.
- Tables and figures presenting modeled EC at the Delta and Suisun Marsh assessment locations for the No Action Alternative and action alternatives.

G.1.1 Modeling Methodology

Delta EC levels were modeled using Delta Simulation Model II (DSM2). Details of the DSM2 modeling, including model development and input, are provided in Appendix F, *Modeling Technical Appendix*. Table G.1-1 lists the Delta and Suisun Marsh assessment locations for which EC was modeled.

Table G.1-1. Delta and Suisun Marsh Assessment Locations and EC Calculation Method

Assessment Location	Region
South Fork Mokelumne River at Terminous	Interior Delta
San Joaquin River at Jersey Point	Western Delta
San Joaquin River at Prisoners Point	Interior Delta
San Joaquin River at San Andreas Landing	Interior Delta
San Joaquin River at Vernalis	Southern Delta
San Joaquin River at Brandt Bridge	Southern Delta
Old River near Middle River	Southern Delta
Old River at Tracy Bridge	Southern Delta
Sacramento River at Emmaton	Western Delta

Assessment Location	Region
Sacramento River at Rio Vista	Northern Delta
Sacramento River at Threemile Slough	Northern Delta
Sacramento River at Collinsville	Suisun Marsh
Montezuma Slough at National Steel	Suisun Marsh
Montezuma Slough near Beldon Landing	Suisun Marsh
Chadbourne Slough near Sunrise Duck Club	Suisun Marsh
Suisun Slough 300 feet south of Volanti Slough	Suisun Marsh
Banks Pumping Plant	Export area
Jones Pumping Plant	Export area

G.1.2 Applicable Water Quality Objectives

The *Water Quality Control Plan for the San Francisco Bay/Sacramento–San Joaquin Delta Estuary* (Bay-Delta Plan) (State Water Resources Control Board 2018) establishes water quality objectives for protecting designated beneficial uses of Delta waters and provides a program of implementation for achieving the water quality objectives. The Bay-Delta Plan defines EC objectives for the protection of agricultural and fish and wildlife beneficial uses that vary by location, month, and water year type. Table G.1-2 summarizes the Bay-Delta Plan EC objectives for agricultural beneficial uses. Table G.1-3 summarizes the Bay-Delta Plan EC objectives for fish and wildlife beneficial uses for the Delta. Table G.1-4 summarizes the Bay-Delta Plan EC objectives for fish and wildlife beneficial uses for the Suisun Marsh.

The Bay-Delta Plan was originally adopted in 1978 and was amended in 1991, 1995, 2006, and 2018. The following elements of the Bay-Delta Plan were amended in 2018.

- San Joaquin River flow objectives to protect fish and wildlife beneficial uses and southern Delta EC objective to protect agricultural beneficial uses.
- Programs of implementation to achieve and determine compliance with the above objectives.
- Monitoring and special studies to fill information needs and inform future updates to the objectives.

Section 303(c) of the Clean Water Act requires a state to submit water quality standards to the Environmental Protection Agency (EPA) for review and approval. Pursuant to 40 Code of Federal Regulations (CFR) Section 131.21(a), the EPA shall either notify the state within 60 days that the revisions are approved or notify the state within 90 days that the revisions are disapproved. In addition, 40 CFR Section 131.21(e) states that a state or authorized Tribe's applicable water quality standard for purposes of the Clean Water Act remains the applicable standard until the EPA approves a change, deletion, or addition to that water quality standard, or until the EPA promulgates a more stringent water quality standard.

At this time, the EPA has not acted to approve or deny the revised southern Delta EC objective. As a result, the applicable southern Delta EC objective remains that specified in the 2006 Bay-Delta Plan, which is the same objective specified in the 1995 Bay-Delta Plan: 700 micromhos per centimeter (µmhos/cm) from April to August and 1,000 µmhos/cm from September to March.

State Water Resources Control Board Decision 1641, adopted on December 29, 1999, and revised on March 15, 2000, implements responsibilities of water rights holders to meet the objectives in the 1995 Bay-Delta Plan, approved a petition for Joint Points of Diversion by the CVP and the SWP in the southern Delta, and approved a petition to change places of use and purposes of use by the CVP. The 1995 Bay-Delta Plan objectives for EC are the same as those in the 2006 and 2018 Bay-Delta Plan, with the exception of the EC objective for the southern Delta in the amended 2018 Bay-Delta Plan, as explained above.

Table G.1-2. Water Quality Objectives for Electrical Conductivity in the Water Quality Control Plan for the San Francisco Bay/Sacramento–San Joaquin Delta Estuary for Agricultural Beneficial Uses (in micromhos per centimeter)

Location	**Objective for Agricultural Beneficial Uses**
Sacramento River at Emmaton	• Wet year: 450 (April 1–August 15) • Above normal year: 450 (April 1–June 30); 630 (July 1–August 15) • Below normal year: 450 (April 1–June 19); 1,140 (June 20–August 15) • Dry year: 450 (April 1–June 14); 1,670 (June 15–August 15) • Critical year: 2,780 (April 1–August 15) • Expressed as a 14-day running average of mean daily EC
San Joaquin River at Jersey Point	• Wet year: 450 (April 1–August 15) • Above normal year: 450 (April 1–August 15) • Below normal year: 450 (April 1–June 19); 740 (June 20–August 15) • Dry year: 450 (April 1–June 14); 1,350 (June 15–August 15) • Critical year: 2,200 (April 1–August 15) • Expressed as a 14-day running average of mean daily EC
South Fork Mokelumne River at Terminous	• Wet year: 450 (April 1–August 15) • Above normal year: 450 (April 1–August 15) • Below normal year: 450 (April 1–August 15) • Dry year: 450 (April 1–August 15) • Critical year: 540 (April 1–August 15) • Expressed as a 14-day running average of mean daily EC
San Joaquin River at San Andreas Landing	• Wet year: 450 (April 1–August 15) • Above normal year: 450 (April 1–August 15) • Below normal year: 450 (April 1–August 15) • Dry year: 450 (April 1–June 24); 580 (June 25–August 15) • Critical year: 870 (April 1–August 15) • Expressed as a 14-day running average of mean daily EC

Location	Objective for Agricultural Beneficial Uses
San Joaquin River at Airport Way Bridge, Vernalis -and- San Joaquin River from Vernalis to Brandt Bridge -and- Middle River from Old River to Victoria Canal -and- Old River/Grant Line Canal from Head of Old River to West Canal	• 700 (April 1–August 31) • 1,000 (September 1–March 31) • Expressed as a maximum 30-day running average of mean daily EC • See narrative preceding table for additional explanation of the southern Delta objective for EC.
West Canal at mouth of Clifton Court Forebay -and- Delta-Mendota Canal at Jones Pumping Plant	• 1,000 (October 1–September 30) • Expressed as monthly average of mean daily EC

Source: State Water Resources Control Board 2018:12.
EC = electrical conductivity.

Table G.1-3. Water Quality Objectives for Electrical Conductivity in the Water Quality Control Plan for the San Francisco Bay/Sacramento–San Joaquin Delta Estuary for Fish and Wildlife Beneficial Uses (in micromhos per centimeter)

Location	Objective for Fish and Wildlife Beneficial Uses
San Joaquin River at and between Prisoners Point and Jersey Point	• 440 (April 1–May 31) • Expressed as a maximum 14-day running average of mean daily • EC

Source: State Water Resources Control Board 2018:14.
EC = electrical conductivity.

Table G.1-4. Water Quality Objectives for Electrical Conductivity in the Water Quality Control Plan for the San Francisco Bay/Sacramento–San Joaquin Delta Estuary for Fish and Wildlife Beneficial Uses for Suisun Marsh (in millimhos per centimeter)

Location	Objective for Fish and Wildlife Beneficial Uses
Eastern Suisun Marsh: Sacramento River at Collinsville; Montezuma Slough at National Steel; Montezuma Slough near Beldon Landing	• 19.0 (October) • 15.5 (November–December) • 12.5 (January) • 8.0 (February–March) • 11.0 (April–May) Expressed as a maximum monthly average of both daily high tide EC values, or demonstrate that equivalent or better protection will be provided at the location
Western Suisun Marsh: Chadbourne Slough at Sunrise Duck Club, Suisun Slough 300 feet south of Volanti Slough, Cordelia Slough at Ibis Club, Goodyear Slough at Morrow Island Clubhouse, and water supply intakes for water fowl management areas on Van Sickle and Chipps Island	**All But Deficiency Period** • 19.0 (October) • 16.5 (November) • 15.5 (December) • 12.5 (January) • 8.0 (February–March) • 11.0 (April–May) **Deficiency Period** • 19.0 (October) • 16.5 (November) • 15.6 (December–March) • 14.0 (April) • 12.5 (May) Expressed as a maximum monthly average of both daily high tide EC values, or demonstrate that equivalent or better protection will be provided at the location

Source: State Water Resources Control Board 2018:14.
EC = electrical conductivity.

G.1.3 Modeling Results

The modeled monthly average EC at each Delta and Suisun Marsh assessment location is presented on the following pages in tables and figures, in the following formats.

- Tables
    - Probability of exceedance of the monthly average EC for the entire simulation period (water years 1921–2021).
    - Average of monthly average EC for the entire simulation period (water years 1921–2021) and by water year type: wet, above normal, below normal, dry, and critical.
    - 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 EC for the entire simulation period (water years 1921–2021) and by water year type: wet, above normal, below normal, dry, and critical.
    - No Action Alternative and project alternatives shown on same plot.
- Exceedance Plots
    - Probability exceedance of the monthly average EC for the entire simulation period (water years 1921–2021).
    - No Action Alternative and project alternatives shown on same plot.

Table G.1-1-1-A. S. Fork Mokelumne River at Terminous, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	211	225	244	251	268	276	265	233	205	197	198	193
1%	208	221	239	251	264	268	255	227	205	196	198	192
5%	203	216	227	237	254	248	241	217	202	196	196	191
10%	200	209	223	234	250	236	224	209	197	194	194	190
25%	194	199	218	224	233	227	211	198	190	186	190	187
50%	184	192	207	210	218	210	198	192	188	183	184	182
75%	182	188	199	197	198	192	187	182	186	182	181	178
99.9%	177	176	175	171	170	180	170	168	174	177	179	176

Table G.1-1-1-B. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	188	195	208	210	217	211	201	192	188	185	186	183
Wet Water Years	186	191	197	194	192	191	184	179	183	182	181	178
Above Normal Water Years	186	194	211	205	206	198	191	187	186	182	182	179
Below Normal Water Years	187	193	207	212	220	211	200	192	188	184	184	182
Dry Water Years	189	195	212	222	233	221	206	195	188	186	189	186
Critical Water Years	196	201	218	224	244	243	234	214	199	194	195	190

Table G.1-1-2-A. S. Fork Mokelumne River at Terminous, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	223	314	227	240	266	266	241	222	202	195	197	211
1%	219	249	225	235	256	265	234	220	201	194	197	203
5%	207	234	218	232	249	250	224	212	198	191	196	191
10%	202	214	215	225	247	237	220	206	194	190	194	191
25%	193	201	207	214	231	227	211	198	189	186	191	188
50%	184	193	200	204	217	209	198	192	186	184	184	182
75%	182	188	193	195	198	191	187	181	184	183	182	178
99.9%	175	176	175	171	170	180	170	168	174	177	180	176

Table G.1-1-2-B. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	188	198	201	205	216	211	199	191	187	185	186	184
Wet Water Years	185	191	194	193	192	191	184	178	182	182	182	179
Above Normal Water Years	187	199	203	201	205	198	191	187	184	182	182	180
Below Normal Water Years	188	199	201	208	218	210	200	192	186	184	185	182
Dry Water Years	188	197	202	212	231	221	206	195	188	186	189	187
Critical Water Years	194	207	207	213	243	242	223	210	196	191	194	192

Table G.1-1-2-C. S. Fork Mokelumne River at Terminous, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	11	89	-17	-11	-1	-10	-24	-11	-3	-2	0	18
1%	11	27	-14	-15	-8	-3	-22	-7	-4	-3	0	11
5%	3	18	-9	-5	-4	2	-17	-5	-5	-4	0	0
10%	2	5	-8	-9	-3	1	-4	-3	-3	-4	0	0
25%	-1	2	-11	-10	-2	0	0	0	-1	0	1	1
50%	-1	1	-7	-6	-1	-1	0	0	-2	0	0	1
75%	0	0	-7	-2	-1	0	0	0	-1	1	1	0
99.9%	-2	0	0	0	0	0	0	0	0	0	0	0

Table G.1-1-2-D. S. Fork Mokelumne River at Terminous, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0	3	-7	-6	-1	0	-2	-1	-1	0	0	1
Wet Water Years	0	0	-3	-1	0	0	0	0	-1	0	1	1
Above Normal Water Years	1	5	-8	-4	-1	0	0	-1	-2	0	1	0
Below Normal Water Years	2	6	-6	-5	-2	-1	0	0	-1	0	1	0
Dry Water Years	-1	1	-10	-10	-2	0	0	0	0	0	0	1
Critical Water Years	-2	6	-11	-11	-2	-1	-11	-5	-3	-3	0	2

Table G.1-1-3-A. S. Fork Mokelumne River at Terminous, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 With TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	211	221	243	254	269	277	258	229	207	198	197	194
1%	206	220	231	252	265	269	256	226	206	197	197	192
5%	203	211	226	238	254	248	243	217	201	196	196	191
10%	201	207	223	233	251	237	223	207	197	194	195	190
25%	195	199	218	222	234	227	211	198	190	187	191	187
50%	185	192	207	210	218	210	198	192	188	184	183	182
75%	182	187	199	197	198	192	187	181	186	182	181	178
99.9%	177	176	175	171	170	180	170	168	174	177	179	176

Table G.1-1-3-B. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 With TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	189	194	207	210	217	211	201	191	188	185	186	183
Wet Water Years	186	191	197	194	192	191	184	178	183	182	181	178
Above Normal Water Years	187	194	211	205	206	198	191	187	186	182	182	179
Below Normal Water Years	187	193	208	213	219	211	200	191	188	184	184	182
Dry Water Years	189	195	212	222	233	221	206	195	189	186	189	186
Critical Water Years	195	199	217	222	245	244	233	213	199	194	195	190

Table G.1-1-3-C. S. Fork Mokelumne River at Terminous, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	-4	0	3	1	1	-7	-4	2	1	0	1
1%	-2	-1	-8	1	1	1	1	-1	2	1	-1	0
5%	0	-5	-1	1	0	0	2	1	-2	0	0	0
10%	0	-1	0	-1	1	1	-1	-2	0	0	2	0
25%	1	0	-1	-2	1	0	0	0	0	1	1	0
50%	0	0	0	0	0	0	0	-1	0	0	0	0
75%	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

Table G.1-1-3-D. S. Fork Mokelumne River at Terminous, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	-1	0	0	0	0
Wet Water Years	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years	1	-1	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years	0	0	0	0	0	0	0	0	0	0	0	0
Dry Water Years	0	0	0	0	0	0	0	-1	0	0	1	0
Critical Water Years	0	-2	-2	-2	0	1	-1	-2	0	0	1	0

Table G.1-1-4-A. S. Fork Mokelumne River at Terminous, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	211	238	244	256	270	266	243	219	204	194	197	192
1%	207	224	232	254	258	266	233	216	201	194	197	192
5%	204	214	226	245	254	248	224	213	199	192	196	191
10%	202	206	223	234	250	237	219	205	194	190	194	190
25%	195	199	218	224	234	226	211	198	190	187	191	187
50%	185	192	207	210	218	210	198	192	188	184	183	182
75%	182	187	199	197	198	192	187	181	186	182	181	178
99.9%	177	176	175	171	170	180	170	168	174	177	179	176

Table G.1-1-4-B. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	189	194	208	211	217	211	199	191	188	185	186	183
Wet Water Years	186	191	197	194	192	191	184	178	183	182	181	178
Above Normal Water Years	187	194	211	205	206	198	191	187	186	182	182	179
Below Normal Water Years	188	195	208	213	220	211	200	192	188	184	184	183
Dry Water Years	189	196	212	222	233	221	206	195	189	186	189	186
Critical Water Years	196	199	217	225	244	241	223	208	196	191	195	190

Table G.1-1-4-C. S. Fork Mokelumne River at Terminous, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	13	0	4	2	-10	-22	-13	0	-2	0	-1
1%	-1	2	-7	3	-6	-2	-22	-12	-4	-3	0	0
5%	1	-2	-1	8	0	0	-16	-4	-4	-4	0	0
10%	1	-3	0	0	0	1	-5	-4	-3	-4	1	0
25%	1	0	0	0	1	-2	0	0	0	1	1	0
50%	0	0	0	0	0	0	0	-1	0	0	0	0
75%	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

Table G.1-1-4-D. S. Fork Mokelumne River at Terminous, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	-2	-1	0	0	0	0
Wet Water Years	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years	1	-1	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years	1	1	1	0	0	0	0	0	0	0	0	0
Dry Water Years	0	0	0	0	0	0	0	-1	0	0	1	0
Critical Water Years	0	-2	-2	1	0	-1	-11	-6	-3	-3	0	0

Table G.1-1-5-A. S. Fork Mokelumne River at Terminous, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Delta VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	218	265	244	261	271	266	244	220	204	193	197	203
1%	215	228	232	252	270	266	233	216	201	192	197	192
5%	205	212	227	245	254	248	226	213	198	191	196	191
10%	201	206	223	234	250	237	220	205	194	190	194	190
25%	195	198	218	224	234	227	212	200	190	187	190	187
50%	184	192	206	210	218	210	198	192	188	184	184	182
75%	182	187	200	197	198	192	187	181	186	182	181	178
99.9%	177	176	175	171	170	180	170	168	174	177	179	176

Table G.1-1-5-B. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Delta VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	189	195	208	211	217	211	200	191	188	185	186	183
Wet Water Years	186	191	197	194	192	191	184	178	183	182	181	178
Above Normal Water Years	187	194	211	205	206	198	191	187	186	182	182	179
Below Normal Water Years	189	196	209	213	220	212	201	192	188	184	184	182
Dry Water Years	189	196	212	223	233	222	207	195	189	186	189	186
Critical Water Years	195	199	217	226	246	242	223	209	196	190	194	191

Table G.1-1-5-C. S. Fork Mokelumne River at Terminous, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	7	40	0	9	3	-9	-21	-13	0	-4	-1	10
1%	7	6	-7	1	6	-2	-22	-12	-4	-4	-1	0
5%	2	-4	0	8	0	0	-15	-4	-4	-5	0	-1
10%	0	-3	0	0	0	1	-4	-4	-3	-5	0	0
25%	1	-1	0	0	1	0	0	2	0	0	0	0
50%	0	0	-1	0	0	1	1	-1	0	0	0	0
75%	0	0	1	0	0	0	0	0	0	0	0	0
99.9%	0	0	0	0	0	0	0	0	0	0	0	0

Table G.1-1-5-D. S. Fork Mokelumne River at Terminous, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	1	0	0	0	0	0	-2	-1	0	0	0	0
Wet Water Years	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years	1	-1	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years	2	3	1	0	0	1	0	0	0	0	0	0
Dry Water Years	0	0	0	0	0	1	1	0	0	0	0	0
Critical Water Years	-1	-2	-1	1	1	-1	-11	-5	-3	-3	0	0

Table G.1-1-6-A. S. Fork Mokelumne River at Terminous, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	218	318	266	263	275	266	240	218	204	193	197	203
1%	218	228	245	252	271	266	231	214	201	193	197	202
5%	204	212	228	245	255	248	223	210	198	191	195	191
10%	201	205	224	234	250	237	219	204	194	190	194	190
25%	194	198	218	225	232	227	210	198	189	187	190	187
50%	184	191	207	210	219	210	196	190	188	183	184	182
75%	181	187	200	197	199	192	186	181	185	182	182	178
99.9%	177	176	175	171	170	180	170	168	174	177	179	176

Table G.1-1-6-B. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	188	195	208	211	218	211	198	189	188	185	186	183
Wet Water Years	185	191	197	194	192	191	183	178	183	182	181	178
Above Normal Water Years	187	194	211	205	206	198	190	186	186	182	182	179
Below Normal Water Years	188	199	211	213	220	212	198	190	188	184	184	182
Dry Water Years	188	195	212	223	233	222	205	194	189	186	189	186
Critical Water Years	194	198	218	227	246	242	221	206	196	190	194	191

Table G.1-1-6-C. S. Fork Mokelumne River at Terminous, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	7	93	23	12	7	-10	-25	-14	-1	-4	-1	10
1%	10	7	6	1	7	-3	-24	-14	-3	-4	-1	10
5%	1	-4	2	8	1	-1	-17	-7	-4	-5	-1	-1
10%	0	-4	1	0	0	1	-5	-5	-3	-4	0	0
25%	0	-1	0	1	-1	-1	-1	-1	0	0	0	0
50%	-1	-1	-1	0	0	0	-2	-3	0	0	0	0
75%	-1	0	0	0	1	0	-1	0	0	0	0	0
99.9%	0	0	0	0	0	0	0	0	0	0	0	0

Table G.1-1-6-D. S. Fork Mokelumne River at Terminous, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	1	0	0	-3	-2	0	0	0	0
Wet Water Years	0	0	0	0	0	0	-1	-1	0	0	0	0
Above Normal Water Years	1	-1	0	0	0	0	-1	-2	0	0	0	0
Below Normal Water Years	2	6	3	0	0	0	-2	-2	0	0	0	0
Dry Water Years	0	-1	0	0	0	1	-1	-1	0	0	0	0
Critical Water Years	-2	-3	-1	3	2	-1	-13	-8	-3	-4	-1	1

Table G.1-1-7-A. S. Fork Mokelumne River at Terminous, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	218	318	266	263	275	266	240	218	204	193	197	203
1%	218	228	245	252	271	266	231	214	201	193	197	202
5%	204	212	228	245	255	248	223	210	198	191	195	191
10%	201	205	224	234	250	237	219	204	194	190	194	190
25%	194	198	218	225	232	227	210	198	189	187	190	187
50%	184	191	207	210	219	210	196	190	188	183	184	182
75%	181	187	200	197	199	192	186	181	185	182	182	178
99.9%	177	176	175	171	170	180	170	168	174	177	179	176

Table G.1-1-7-B. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	188	195	208	211	218	211	198	189	188	185	186	183
Wet Water Years	186	191	197	194	192	191	184	178	183	182	181	178
Above Normal Water Years	187	194	211	205	206	198	191	187	186	182	182	179
Below Normal Water Years	189	196	209	213	220	212	201	192	188	184	184	182
Dry Water Years	189	196	212	223	233	222	207	195	189	186	189	186
Critical Water Years	195	199	217	226	246	242	223	209	196	190	194	191

Table G.1-1-7-C. S. Fork Mokelumne River at Terminous, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	7	93	23	12	7	-10	-25	-14	-1	-4	-1	10
1%	10	7	6	1	7	-3	-24	-14	-3	-4	-1	10
5%	1	-4	2	8	1	-1	-17	-7	-4	-5	-1	-1
10%	0	-4	1	0	0	1	-5	-5	-3	-4	0	0
25%	0	-1	0	1	-1	-1	-1	-1	0	0	0	0
50%	-1	-1	-1	0	0	0	-2	-3	0	0	0	0
75%	-1	0	0	0	1	0	-1	0	0	0	0	0
99.9%	0	0	0	0	0	0	0	0	0	0	0	0

Table G.1-1-7-D. S. Fork Mokelumne River at Terminous, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	1	0	0	-3	-2	0	0	0	0
Wet Water Years	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years	1	-1	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years	2	3	1	0	0	1	0	0	0	0	0	0
Dry Water Years	0	0	0	0	0	1	1	0	0	0	0	0
Critical Water Years	-1	-2	-1	1	1	-1	-11	-5	-3	-3	0	0

Table G.1-1-8-A. S. Fork Mokelumne River at Terminous, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	218	318	266	263	275	266	240	218	204	193	197	203
1%	218	228	245	252	271	266	231	214	201	193	197	202
5%	204	212	228	245	255	248	223	210	198	191	195	191
10%	201	205	224	234	250	237	219	204	194	190	194	190
25%	194	198	218	225	232	227	210	198	189	187	190	187
50%	184	191	207	210	219	210	196	190	188	183	184	182
75%	181	187	200	197	199	192	186	181	185	182	182	178
99.9%	177	176	175	171	170	180	170	168	174	177	179	176

Table G.1-1-8-B. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	188	195	208	211	218	211	198	189	188	185	186	183
Wet Water Years	185	191	197	194	192	191	184	178	183	182	181	178
Above Normal Water Years	187	194	211	205	206	197	191	187	186	182	182	179
Below Normal Water Years	187	192	208	212	219	211	200	192	188	184	184	182
Dry Water Years	189	195	212	223	232	221	206	195	189	186	189	186
Critical Water Years	195	199	216	223	244	244	232	213	199	194	195	190

Table G.1-1-8-C. S. Fork Mokelumne River at Terminous, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	7	93	23	12	7	-10	-25	-14	-1	-4	-1	10
1%	10	7	6	1	7	-3	-24	-14	-3	-4	-1	10
5%	1	-4	2	8	1	-1	-17	-7	-4	-5	-1	-1
10%	0	-4	1	0	0	1	-5	-5	-3	-4	0	0
25%	0	-1	0	1	-1	-1	-1	-1	0	0	0	0
50%	-1	-1	-1	0	0	0	-2	-3	0	0	0	0
75%	-1	0	0	0	1	0	-1	0	0	0	0	0
99.9%	0	0	0	0	0	0	0	0	0	0	0	0

Table G.1-1-8-D. S. Fork Mokelumne River at Terminous, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	1	0	0	-3	-2	0	0	0	0
Wet Water Years	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years	1	-1	0	0	0	0	0	0	0	0	0	0
Below Normal Water Years	0	-1	1	0	-1	0	0	0	0	0	0	0
Dry Water Years	0	0	0	0	0	0	0	-1	0	0	1	0
Critical Water Years	-1	-2	-2	-1	0	1	-2	-1	0	0	1	0

Table G.1-2-1-A. San Joaquin River at Jersey Point, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	2315	2479	2276	1868	1495	777	1046	1633	1490	1830	2058	1978
1%	2308	2367	2215	1697	920	664	864	1604	1487	1737	1792	1966
5%	1968	2142	2096	1601	788	385	536	1020	1294	1592	1616	1811
10%	1921	2049	1960	1519	710	337	369	654	1105	1283	1529	1768
25%	1743	1813	1704	903	401	270	263	297	385	838	1229	1691
50%	1493	1299	1255	408	250	235	236	257	302	585	881	1515
75%	274	855	543	226	214	218	220	220	237	367	613	475
99.9%	208	196	173	160	171	160	149	146	167	187	244	225

Table G.1-2-1-B. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	1093	1315	1140	631	351	261	276	342	425	673	959	1156
Wet Water Years	945	1064	577	240	210	207	205	199	220	322	566	464
Above Normal Water Years	1049	1294	1129	461	248	221	233	239	261	367	620	458
Below Normal Water Years	849	1158	1258	593	306	242	243	255	337	637	1091	1654
Dry Water Years	1151	1467	1479	915	429	274	256	281	362	802	1113	1662
Critical Water Years	1574	1721	1493	1084	620	391	503	872	1120	1402	1565	1660

Table G.1-2-2-A. San Joaquin River at Jersey Point, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	2225	2934	2488	2312	1595	737	580	948	1563	1704	1538	1958
1%	2212	2770	2240	2086	1542	554	524	938	1427	1401	1492	1941
5%	2179	2398	2200	1962	1256	465	427	692	1020	1168	1355	1804
10%	1971	2286	2034	1912	985	405	354	467	581	1068	1290	1743
25%	1822	2065	1882	1356	674	316	263	321	391	791	1191	1682
50%	1693	1912	1525	691	267	226	228	257	297	550	1031	1626
75%	1542	1644	678	224	207	208	211	214	229	406	863	1562
99.9%	201	192	173	160	170	160	149	145	165	186	246	244

Table G.1-2-2-B. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	1628	1749	1327	848	472	274	256	303	375	609	1026	1571
Wet Water Years	1491	1448	719	286	213	204	202	200	213	325	818	1465
Above Normal Water Years	1789	1828	1357	595	264	214	223	236	250	391	961	1644
Below Normal Water Years	1622	1676	1378	851	437	257	238	264	311	612	1054	1542
Dry Water Years	1627	1917	1738	1301	653	304	261	292	376	795	1147	1616
Critical Water Years	1735	2037	1688	1369	878	421	390	600	839	1018	1231	1659

Table G.1-2-2-C. San Joaquin River at Jersey Point, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	-90	455	212	443	99	-39	-466	-685	72	-126	-519	-20
1%	-96	403	25	389	622	-110	-340	-666	-60	-336	-301	-25
5%	211	256	104	362	469	80	-109	-328	-274	-424	-262	-7
10%	50	238	74	393	276	69	-15	-186	-524	-215	-239	-25
25%	79	252	179	453	273	45	0	23	6	-47	-38	-9
50%	199	613	269	283	17	-9	-8	0	-5	-35	149	112
75%	1269	789	135	-3	-6	-10	-9	-6	-8	39	250	1087
99.9%	-6	-3	0	0	0	0	0	0	-3	-1	3	20

Table G.1-2-2-D. San Joaquin River at Jersey Point, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	536	434	187	216	122	13	-20	-39	-50	-64	66	415
Wet Water Years	546	384	142	46	3	-3	-3	1	-7	3	253	1001
Above Normal Water Years	740	533	228	134	16	-7	-10	-2	-11	24	342	1186
Below Normal Water Years	773	518	119	258	131	15	-6	9	-26	-25	-37	-112
Dry Water Years	476	451	260	386	224	30	6	12	14	-8	34	-47
Critical Water Years	162	317	195	285	258	29	-114	-271	-281	-385	-334	0

Table G.1-2-3-A. San Joaquin River at Jersey Point, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 With TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	2425	2426	2404	1881	1498	720	1036	1499	1597	1699	1786	1980
1%	2287	2306	2261	1698	1049	569	860	1459	1565	1690	1666	1956
5%	2044	2176	2093	1568	716	391	558	1037	1313	1544	1637	1815
10%	1948	2038	1936	1398	625	341	360	624	1082	1341	1522	1764
25%	1766	1810	1711	850	363	265	257	316	394	841	1240	1697
50%	1435	1239	1271	397	250	234	232	252	302	591	943	1533
75%	273	828	522	224	214	218	217	215	231	392	648	497
99.9%	214	196	173	160	170	160	149	146	166	186	246	240

Table G.1-2-3-B. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 With TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	1100	1298	1134	602	336	259	272	341	418	667	979	1177
Wet Water Years	928	1053	555	232	210	206	203	200	220	328	597	487
Above Normal Water Years	1084	1191	1051	456	248	222	226	236	255	376	685	493
Below Normal Water Years	853	1166	1240	586	300	241	241	266	335	643	1106	1673
Dry Water Years	1158	1467	1509	869	393	269	256	290	364	796	1148	1696
Critical Water Years	1608	1719	1539	996	590	387	494	841	1083	1347	1507	1648

Table G.1-2-3-C. San Joaquin River at Jersey Point, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	110	-52	129	12	3	-57	-10	-134	107	-131	-271	2
1%	-21	-62	46	1	128	-95	-4	-145	78	-47	-127	-10
5%	76	34	-3	-33	-72	6	21	18	19	-47	20	4
10%	27	-11	-25	-122	-85	5	-9	-30	-23	58	-7	-4
25%	24	-3	7	-54	-37	-5	-6	19	10	3	12	6
50%	-58	-60	15	-11	0	-1	-4	-6	0	6	62	18
75%	-1	-27	-20	-2	0	0	-3	-5	-6	25	36	22
99.9%	7	1	0	0	0	0	0	0	-1	0	3	15

Table G.1-2-3-D. San Joaquin River at Jersey Point, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	8	-17	-6	-29	-15	-2	-3	-1	-7	-6	20	21
Wet Water Years	-17	-11	-22	-8	0	-1	-2	1	-1	6	32	23
Above Normal Water Years	35	-104	-78	-5	0	0	-7	-3	-5	9	65	35
Below Normal Water Years	4	8	-18	-7	-6	-1	-3	11	-2	7	15	19
Dry Water Years	7	0	30	-46	-36	-5	1	9	2	-6	35	33
Critical Water Years	34	-1	46	-88	-31	-5	-9	-30	-37	-55	-58	-11

Table G.1-2-4-A. San Joaquin River at Jersey Point, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	2473	2177	2442	2647	1519	715	560	877	1538	1671	1521	1979
1%	2411	2164	2334	1909	1254	523	559	851	1375	1418	1513	1948
5%	2172	2058	2115	1599	737	370	388	630	975	1200	1376	1831
10%	2031	1956	1976	1396	598	333	343	429	545	1052	1333	1779
25%	1787	1790	1675	846	352	264	256	317	394	762	1167	1709
50%	1419	1226	1184	381	251	234	233	252	299	561	932	1534
75%	273	828	514	224	214	219	217	216	231	392	648	497
99.9%	214	196	173	160	170	160	149	146	166	186	246	240

Table G.1-2-4-B. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	1118	1271	1124	617	339	255	252	298	374	609	924	1182
Wet Water Years	923	1047	554	232	210	206	203	200	220	328	597	487
Above Normal Water Years	1092	1190	1041	456	248	222	227	236	255	376	682	491
Below Normal Water Years	876	1134	1276	610	301	242	241	266	336	645	1071	1654
Dry Water Years	1171	1453	1473	852	391	269	256	290	364	794	1145	1695
Critical Water Years	1673	1615	1499	1085	611	364	370	572	802	985	1211	1699

Table G.1-2-4-C. San Joaquin River at Jersey Point, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	159	-301	166	778	23	-62	-486	-756	48	-159	-536	1
1%	103	-204	119	213	334	-140	-305	-753	-112	-319	-279	-18
5%	204	-85	19	-2	-51	-15	-149	-390	-319	-392	-240	19
10%	110	-93	16	-123	-111	-4	-26	-225	-560	-231	-196	11
25%	44	-23	-28	-57	-49	-6	-7	20	9	-76	-62	18
50%	-75	-74	-71	-27	1	-1	-3	-6	-3	-24	51	19
75%	-1	-26	-29	-2	0	0	-3	-4	-6	25	35	22
99.9%	7	1	0	0	0	0	0	0	-1	0	3	15

Table G.1-2-4-D. San Joaquin River at Jersey Point, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	25	-44	-16	-15	-12	-6	-23	-44	-51	-64	-35	25
Wet Water Years	-22	-17	-23	-8	0	-1	-2	1	-1	6	32	23
Above Normal Water Years	43	-105	-88	-5	1	1	-6	-3	-5	9	62	33
Below Normal Water Years	27	-24	18	16	-5	-1	-3	11	-1	8	-20	0
Dry Water Years	19	-14	-6	-63	-38	-5	1	9	2	-8	32	33
Critical Water Years	100	-106	7	2	-9	-28	-134	-300	-318	-417	-354	40

Table G.1-2-5-A. San Joaquin River at Jersey Point, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Delta VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	2508	2253	2618	2651	2358	744	584	882	1556	1786	1594	2043
1%	2482	2183	2328	1901	1520	685	581	856	1381	1485	1546	2011
5%	2234	2077	2119	1606	742	406	384	622	988	1195	1497	1881
10%	2048	1973	1954	1429	648	303	314	435	539	1056	1351	1796
25%	1811	1785	1664	881	351	265	268	321	401	797	1223	1724
50%	1430	1255	1217	390	252	240	243	259	302	590	968	1581
75%	275	858	520	228	214	219	226	220	236	380	644	509
99.9%	220	196	173	160	170	160	149	145	166	186	246	238

Table G.1-2-5-B. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Delta VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	1128	1281	1122	622	352	259	258	301	376	618	947	1197
Wet Water Years	950	1063	561	234	210	207	206	202	221	324	592	488
Above Normal Water Years	1106	1199	1043	457	248	228	243	244	259	386	667	493
Below Normal Water Years	890	1143	1274	616	305	248	252	272	341	642	1106	1670
Dry Water Years	1162	1468	1452	849	396	264	256	291	366	818	1210	1721
Critical Water Years	1673	1609	1502	1113	675	381	372	573	802	1011	1241	1738

Table G.1-2-5-C. San Joaquin River at Jersey Point, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	193	-226	342	782	863	-32	-461	-751	65	-43	-464	65
1%	174	-184	113	204	599	21	-283	-748	-106	-252	-247	45
5%	266	-65	23	5	-46	21	-152	-398	-306	-397	-119	69
10%	127	-75	-6	-90	-62	-34	-55	-219	-566	-227	-178	28
25%	68	-28	-40	-23	-49	-5	5	24	16	-41	-6	33
50%	-63	-44	-38	-18	2	5	7	2	-1	5	87	67
75%	1	3	-23	2	1	1	6	0	-2	13	31	34
99.9%	12	1	0	0	0	0	0	0	-1	0	2	14

Table G.1-2-5-D. San Joaquin River at Jersey Point, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	35	-34	-18	-9	1	-2	-18	-41	-49	-55	-12	41
Wet Water Years	5	-1	-16	-6	0	0	1	2	1	2	26	24
Above Normal Water Years	57	-95	-86	-4	1	6	10	6	-2	19	47	35
Below Normal Water Years	41	-15	16	23	-1	6	9	17	4	6	15	16
Dry Water Years	11	1	-27	-66	-33	-9	0	10	4	16	97	58
Critical Water Years	99	-111	10	30	54	-11	-131	-298	-318	-391	-324	78

Table G.1-2-6-A. San Joaquin River at Jersey Point, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	2511	2934	2449	2640	2379	754	585	839	1466	1764	1583	2037
1%	2479	2345	2307	1886	1501	699	565	758	1110	1301	1540	2028
5%	2229	2117	2112	1623	807	402	377	559	828	1171	1493	1907
10%	2050	2048	1962	1417	650	304	302	406	476	1053	1351	1801
25%	1795	1791	1635	879	352	265	264	291	388	778	1229	1721
50%	1492	1179	1204	393	251	240	241	245	298	586	958	1573
75%	274	856	520	227	215	219	225	217	235	376	628	508
99.9%	217	196	173	160	170	160	149	145	166	186	245	238

Table G.1-2-6-B. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	1124	1295	1117	618	355	259	253	281	357	612	938	1196
Wet Water Years	961	1069	569	236	210	207	205	201	221	323	588	486
Above Normal Water Years	1098	1203	1040	455	248	228	242	238	254	366	640	483
Below Normal Water Years	875	1208	1261	592	305	248	247	251	332	642	1091	1667
Dry Water Years	1159	1467	1436	824	394	264	251	272	350	824	1216	1719
Critical Water Years	1658	1609	1506	1148	702	385	359	506	724	982	1225	1747

Table G.1-2-6-C. San Joaquin River at Jersey Point, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	196	455	173	771	884	-23	-461	-794	-24	-66	-475	59
1%	171	-23	92	189	581	35	-299	-846	-377	-436	-252	62
5%	262	-26	16	22	19	17	-159	-461	-465	-421	-123	96
10%	129	0	2	-102	-59	-33	-67	-247	-629	-230	-178	34
25%	53	-22	-68	-24	-48	-6	1	-6	3	-60	0	30
50%	-2	-121	-52	-15	1	5	5	-12	-4	1	77	58
75%	0	1	-22	1	1	1	5	-3	-2	9	15	33
99.9%	10	1	0	0	0	0	0	0	-1	0	2	14

Table G.1-2-6-D. San Joaquin River at Jersey Point, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	31	-20	-22	-14	5	-1	-22	-61	-68	-61	-21	40
Wet Water Years	16	5	-8	-3	0	0	1	1	0	1	22	22
Above Normal Water Years	48	-92	-89	-5	1	6	9	-1	-6	-1	20	25
Below Normal Water Years	26	50	3	-2	-2	6	4	-4	-5	6	0	14
Dry Water Years	8	0	-43	-91	-35	-10	-5	-9	-12	21	103	57
Critical Water Years	84	-111	13	64	82	-7	-145	-365	-396	-420	-340	88

Table G.1-2-7-A. San Joaquin River at Jersey Point, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	2511	2934	2449	2640	2379	754	585	839	1466	1764	1583	2037
1%	2479	2345	2307	1886	1501	699	565	758	1110	1301	1540	2028
5%	2229	2117	2112	1623	807	402	377	559	828	1171	1493	1907
10%	2050	2048	1962	1417	650	304	302	406	476	1053	1351	1801
25%	1795	1791	1635	879	352	265	264	291	388	778	1229	1721
50%	1492	1179	1204	393	251	240	241	245	298	586	958	1573
75%	274	856	520	227	215	219	225	217	235	376	628	508
99.9%	217	196	173	160	170	160	149	145	166	186	245	238

Table G.1-2-7-B. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	1124	1295	1117	618	355	259	253	281	357	612	938	1196
Wet Water Years	950	1063	561	234	210	207	206	202	221	324	592	488
Above Normal Water Years	1106	1199	1043	457	248	228	243	244	259	386	667	493
Below Normal Water Years	890	1143	1274	616	305	248	252	272	341	642	1106	1670
Dry Water Years	1162	1468	1452	849	396	264	256	291	366	818	1210	1721
Critical Water Years	1673	1609	1502	1113	675	381	372	573	802	1011	1241	1738

Table G.1-2-7-C. San Joaquin River at Jersey Point, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	196	455	173	771	884	-23	-461	-794	-24	-66	-475	59
1%	171	-23	92	189	581	35	-299	-846	-377	-436	-252	62
5%	262	-26	16	22	19	17	-159	-461	-465	-421	-123	96
10%	129	0	2	-102	-59	-33	-67	-247	-629	-230	-178	34
25%	53	-22	-68	-24	-48	-6	1	-6	3	-60	0	30
50%	-2	-121	-52	-15	1	5	5	-12	-4	1	77	58
75%	0	1	-22	1	1	1	5	-3	-2	9	15	33
99.9%	10	1	0	0	0	0	0	0	-1	0	2	14

Table G.1-2-7-D. San Joaquin River at Jersey Point, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	31	-20	-22	-14	5	-1	-22	-61	-68	-61	-21	40
Wet Water Years	5	-1	-16	-6	0	0	1	2	1	2	26	24
Above Normal Water Years	57	-95	-86	-4	1	6	10	6	-2	19	47	35
Below Normal Water Years	41	-15	16	23	-1	6	9	17	4	6	15	16
Dry Water Years	11	1	-27	-66	-33	-9	0	10	4	16	97	58
Critical Water Years	99	-111	10	30	54	-11	-131	-298	-318	-391	-324	78

Table G.1-2-8-A. San Joaquin River at Jersey Point, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	2511	2934	2449	2640	2379	754	585	839	1466	1764	1583	2037
1%	2479	2345	2307	1886	1501	699	565	758	1110	1301	1540	2028
5%	2229	2117	2112	1623	807	402	377	559	828	1171	1493	1907
10%	2050	2048	1962	1417	650	304	302	406	476	1053	1351	1801
25%	1795	1791	1635	879	352	265	264	291	388	778	1229	1721
50%	1492	1179	1204	393	251	240	241	245	298	586	958	1573
75%	274	856	520	227	215	219	225	217	235	376	628	508
99.9%	217	196	173	160	170	160	149	145	166	186	245	238

Table G.1-2-8-B. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	1124	1295	1117	618	355	259	253	281	357	612	938	1196
Wet Water Years	962	1076	536	231	210	206	202	200	220	328	596	489
Above Normal Water Years	1082	1184	988	430	244	220	226	235	255	377	682	490
Below Normal Water Years	875	1183	1167	558	300	240	240	266	337	641	1101	1680
Dry Water Years	1157	1465	1423	894	432	272	256	290	364	790	1149	1689
Critical Water Years	1611	1738	1458	985	660	423	509	827	1084	1357	1500	1652

Table G.1-2-8-C. San Joaquin River at Jersey Point, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	196	455	173	771	884	-23	-461	-794	-24	-66	-475	59
1%	171	-23	92	189	581	35	-299	-846	-377	-436	-252	62
5%	262	-26	16	22	19	17	-159	-461	-465	-421	-123	96
10%	129	0	2	-102	-59	-33	-67	-247	-629	-230	-178	34
25%	53	-22	-68	-24	-48	-6	1	-6	3	-60	0	30
50%	-2	-121	-52	-15	1	5	5	-12	-4	1	77	58
75%	0	1	-22	1	1	1	5	-3	-2	9	15	33
99.9%	10	1	0	0	0	0	0	0	-1	0	2	14

Table G.1-2-8-D. San Joaquin River at Jersey Point, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	31	-20	-22	-14	5	-1	-22	-61	-68	-61	-21	40
Wet Water Years	17	12	-41	-9	0	-2	-3	0	-1	6	31	25
Above Normal Water Years	33	-111	-141	-31	-4	-1	-8	-3	-5	10	62	32
Below Normal Water Years	26	24	-92	-36	-6	-2	-3	11	0	4	10	26
Dry Water Years	6	-2	-56	-21	4	-2	0	9	2	-13	35	26
Critical Water Years	37	17	-35	-98	40	31	6	-44	-37	-45	-65	-8

Table G.1-3-1-A. San Joaquin River at Prisoners Point, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	552	626	768	652	635	455	453	514	438	439	471	436
1%	550	590	763	649	575	435	434	467	394	432	438	427
5%	493	565	677	628	452	342	378	345	381	396	393	406
10%	469	530	636	592	411	324	356	314	324	357	374	394
25%	427	463	584	447	354	288	311	285	232	256	312	378
50%	358	388	479	317	282	271	280	259	225	228	257	334
75%	205	252	317	247	242	249	259	241	218	208	223	218
99.9%	195	195	148	137	145	132	118	113	131	192	205	198

Table G.1-3-1-B. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	326	365	453	358	299	270	281	258	237	248	277	305
Wet Water Years	302	322	324	261	247	236	228	195	203	208	221	216
Above Normal Water Years	309	350	458	329	283	278	304	267	224	210	224	218
Below Normal Water Years	286	327	470	353	294	280	297	260	224	231	284	370
Dry Water Years	340	384	531	425	323	271	285	262	223	250	297	356
Critical Water Years	410	465	536	459	373	311	326	352	346	365	381	388

Table G.1-3-2-A. San Joaquin River at Prisoners Point, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	659	937	684	692	686	434	433	357	392	409	376	466
1%	596	757	676	672	681	410	417	343	387	367	368	436
5%	555	687	629	648	579	359	343	317	327	315	343	407
10%	497	603	609	600	520	325	326	290	270	306	325	401
25%	437	507	555	493	384	285	298	269	229	248	308	388
50%	401	449	491	355	276	254	273	252	219	225	282	372
75%	367	400	360	238	227	229	247	230	211	209	250	353
99.9%	203	193	149	137	145	132	118	113	128	192	206	196

Table G.1-3-2-B. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	405	456	454	379	320	260	269	243	226	237	281	364
Wet Water Years	384	388	346	262	237	224	223	191	197	208	245	346
Above Normal Water Years	430	479	478	342	260	252	287	252	215	208	265	386
Below Normal Water Years	402	441	448	373	313	256	276	250	218	231	289	361
Dry Water Years	397	473	519	474	379	265	276	255	223	250	300	361
Critical Water Years	435	543	529	481	439	327	313	300	299	301	317	384

Table G.1-3-2-C. San Joaquin River at Prisoners Point, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	106	312	-84	40	51	-21	-20	-157	-46	-30	-95	30
1%	46	167	-87	23	106	-25	-17	-124	-8	-65	-70	9
5%	62	122	-48	20	127	17	-36	-28	-54	-81	-50	1
10%	28	72	-28	8	109	1	-30	-24	-54	-51	-49	8
25%	10	44	-28	45	30	-3	-12	-16	-3	-8	-4	11
50%	43	60	12	38	-7	-17	-7	-7	-6	-3	25	38
75%	162	148	42	-9	-15	-20	-13	-11	-7	1	27	135
99.9%	9	-2	0	0	0	0	0	0	-3	0	1	-2

Table G.1-3-2-D. San Joaquin River at Prisoners Point, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	79	91	1	21	21	-10	-12	-15	-11	-11	4	59
Wet Water Years	82	66	22	0	-10	-12	-5	-4	-6	0	24	130
Above Normal Water Years	122	129	19	13	-24	-26	-17	-15	-9	-2	41	168
Below Normal Water Years	116	114	-21	20	19	-24	-21	-11	-5	-1	5	-9
Dry Water Years	57	89	-12	49	56	-6	-9	-7	0	0	3	5
Critical Water Years	25	78	-7	22	67	16	-14	-51	-47	-64	-64	-4

Table G.1-3-3-A. San Joaquin River at Prisoners Point, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 With TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	574	641	772	651	638	451	428	490	450	432	417	428
1%	547	597	702	643	573	400	402	463	429	418	410	425
5%	510	557	662	613	451	336	362	357	380	397	402	402
10%	488	519	627	550	389	321	338	308	316	359	383	392
25%	426	470	581	445	331	288	304	268	230	251	311	377
50%	359	376	478	314	281	270	275	249	223	229	263	343
75%	208	252	311	246	242	250	254	232	215	209	226	224
99.9%	193	195	149	137	145	132	118	113	128	192	205	195

Table G.1-3-3-B. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 With TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	330	363	448	354	296	270	274	249	236	247	280	309
Wet Water Years	302	321	318	259	247	235	225	190	202	209	223	219
Above Normal Water Years	321	342	435	330	284	278	291	252	223	207	233	224
Below Normal Water Years	288	329	460	349	295	281	288	247	222	233	291	373
Dry Water Years	341	385	538	419	317	273	279	254	223	251	303	364
Critical Water Years	415	462	541	449	360	311	324	343	341	359	373	384

Table G.1-3-3-C. San Joaquin River at Prisoners Point, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	21	15	4	-1	3	-4	-26	-24	12	-8	-54	-8
1%	-3	7	-61	-6	-2	-36	-32	-5	34	-15	-28	-2
5%	18	-8	-15	-15	-1	-6	-17	12	0	1	9	-4
10%	19	-12	-9	-43	-22	-3	-18	-6	-9	2	9	-2
25%	-1	7	-3	-2	-23	0	-6	-17	-3	-5	-1	-1
50%	1	-12	0	-3	-1	-1	-5	-10	-1	1	6	9
75%	2	0	-6	-1	0	2	-6	-9	-3	1	2	6
99.9%	-1	0	0	0	0	0	0	0	-2	0	0	-4

Table G.1-3-3-D. San Joaquin River at Prisoners Point, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	3	-1	-4	-5	-3	0	-6	-10	-2	-1	4	4
Wet Water Years	0	-1	-6	-3	-1	-1	-3	-5	-1	1	3	3
Above Normal Water Years	13	-8	-23	1	1	0	-13	-16	-2	-3	9	6
Below Normal Water Years	2	2	-10	-5	1	1	-10	-14	-2	1	7	4
Dry Water Years	1	1	7	-6	-5	1	-6	-9	0	1	6	8
Critical Water Years	5	-3	5	-10	-13	0	-2	-9	-5	-6	-8	-3

Table G.1-3-4-A. San Joaquin River at Prisoners Point, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	583	643	779	834	643	452	408	344	381	408	389	427
1%	571	626	769	655	626	399	401	341	364	366	388	425
5%	537	556	683	622	455	352	354	318	320	320	352	398
10%	501	509	628	551	391	327	332	286	270	302	324	389
25%	433	467	564	439	330	291	303	268	230	246	307	372
50%	359	375	472	315	281	271	275	250	223	228	263	338
75%	208	252	310	246	242	248	254	232	215	209	226	225
99.9%	193	195	149	137	145	132	118	113	128	192	205	195

Table G.1-3-4-B. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	335	362	445	357	298	271	272	241	228	237	270	306
Wet Water Years	301	319	317	259	247	234	225	190	202	209	223	219
Above Normal Water Years	323	342	433	330	284	278	292	252	223	207	233	224
Below Normal Water Years	297	333	466	355	295	281	288	248	222	233	287	367
Dry Water Years	343	384	529	413	317	273	279	254	223	251	303	364
Critical Water Years	434	455	530	469	373	316	310	297	296	298	316	375

Table G.1-3-4-C. San Joaquin River at Prisoners Point, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	30	17	11	181	8	-4	-46	-170	-57	-31	-82	-9
1%	21	36	7	6	51	-36	-33	-126	-30	-66	-51	-2
5%	44	-10	5	-6	3	9	-25	-27	-61	-76	-41	-8
10%	33	-21	-8	-41	-20	3	-24	-28	-54	-55	-50	-5
25%	5	4	-20	-8	-24	3	-8	-17	-3	-11	-5	-5
50%	1	-13	-7	-2	-1	0	-5	-10	-1	0	6	4
75%	2	0	-8	-1	0	0	-5	-9	-3	1	2	7
99.9%	-1	0	0	0	0	0	0	0	-2	0	0	-4

Table G.1-3-4-D. San Joaquin River at Prisoners Point, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	8	-2	-7	-2	-1	1	-8	-17	-9	-10	-7	1
Wet Water Years	-1	-3	-7	-3	-1	-2	-3	-5	-1	1	3	2
Above Normal Water Years	14	-8	-25	1	1	0	-12	-16	-2	-3	8	6
Below Normal Water Years	11	7	-3	1	1	2	-9	-13	-2	2	3	-2
Dry Water Years	4	0	-2	-12	-6	1	-6	-9	0	1	6	8
Critical Water Years	24	-11	-6	10	1	5	-16	-55	-50	-66	-65	-12

Table G.1-3-5-A. San Joaquin River at Prisoners Point, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Delta VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	621	710	829	825	828	485	423	348	383	425	394	474
1%	612	644	777	655	647	434	410	343	366	374	383	432
5%	548	557	687	618	460	390	377	319	320	320	366	410
10%	505	513	630	573	395	330	341	298	268	300	330	394
25%	436	457	564	435	332	319	329	276	232	248	312	379
50%	360	383	473	316	283	283	293	262	225	231	267	343
75%	206	252	317	246	242	263	268	239	217	209	225	224
99.9%	193	195	149	137	145	132	118	113	128	192	205	194

Table G.1-3-5-B. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Delta VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	337	364	446	357	301	285	290	248	230	239	273	310
Wet Water Years	305	323	319	259	247	237	230	191	202	209	223	218
Above Normal Water Years	326	344	433	330	284	292	319	263	224	213	232	223
Below Normal Water Years	306	340	473	357	297	309	317	258	223	233	291	373
Dry Water Years	341	385	528	408	318	290	304	266	226	253	310	370
Critical Water Years	430	449	528	473	391	326	315	299	296	299	318	385

Table G.1-3-5-C. San Joaquin River at Prisoners Point, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	69	85	61	173	193	30	-31	-166	-55	-14	-77	38
1%	62	54	15	6	72	-1	-25	-125	-28	-59	-55	5
5%	56	-8	10	-10	8	48	-1	-26	-61	-76	-27	4
10%	36	-18	-7	-19	-16	6	-15	-16	-56	-58	-44	0
25%	9	-6	-19	-12	-22	31	18	-9	0	-8	0	2
50%	2	-5	-6	-1	1	12	13	3	1	3	10	9
75%	1	0	-1	-1	0	14	9	-2	-1	1	1	6
99.9%	-1	0	0	0	0	0	0	0	-2	0	0	-4

Table G.1-3-5-D. San Joaquin River at Prisoners Point, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	10	0	-6	-2	2	14	9	-10	-8	-9	-4	5
Wet Water Years	3	1	-5	-2	-1	1	2	-4	-1	0	2	2
Above Normal Water Years	17	-6	-25	1	1	14	15	-4	0	3	8	5
Below Normal Water Years	20	13	4	4	3	29	20	-3	0	2	7	4
Dry Water Years	2	1	-3	-17	-5	19	19	4	3	2	13	14
Critical Water Years	19	-16	-8	14	19	14	-11	-53	-50	-66	-63	-3

Table G.1-3-6-A. San Joaquin River at Prisoners Point, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	665	855	907	833	843	485	418	341	368	418	394	484
1%	625	657	777	655	648	442	407	339	329	341	384	482
5%	549	547	686	623	463	392	375	300	302	317	368	411
10%	501	504	628	575	405	331	342	292	262	294	334	397
25%	431	457	572	430	338	320	325	274	230	246	310	379
50%	360	392	459	316	283	283	293	257	223	229	265	342
75%	204	255	318	246	243	262	266	238	216	208	222	223
99.9%	193	195	149	137	145	132	118	113	128	192	205	194

Table G.1-3-6-B. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	335	365	447	355	302	285	288	245	227	237	271	311
Wet Water Years	304	323	322	261	247	237	229	191	201	209	222	218
Above Normal Water Years	323	347	434	330	284	292	317	261	223	207	227	221
Below Normal Water Years	307	350	479	352	298	309	315	253	222	233	289	374
Dry Water Years	340	382	524	401	316	290	303	264	224	254	312	370
Critical Water Years	422	444	529	479	399	328	313	290	285	293	315	390

Table G.1-3-6-C. San Joaquin River at Prisoners Point, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	112	229	139	181	208	30	-35	-173	-70	-21	-77	48
1%	75	67	15	6	73	7	-27	-129	-65	-91	-54	55
5%	57	-18	8	-5	11	49	-3	-45	-78	-79	-25	6
10%	32	-26	-9	-17	-6	7	-14	-22	-62	-63	-40	4
25%	4	-6	-12	-18	-16	32	14	-11	-2	-11	-2	2
50%	2	4	-20	-1	1	12	13	-2	-1	1	8	7
75%	-1	2	1	-1	2	14	7	-3	-2	0	-1	5
99.9%	-2	0	0	0	0	0	0	0	-2	0	0	-4

Table G.1-3-6-D. San Joaquin River at Prisoners Point, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	8	0	-5	-3	3	15	8	-13	-10	-11	-5	6
Wet Water Years	2	0	-3	-1	0	1	1	-4	-2	0	2	2
Above Normal Water Years	15	-3	-24	1	1	14	14	-6	-1	-4	3	4
Below Normal Water Years	21	23	9	-2	4	30	18	-7	-2	2	4	4
Dry Water Years	1	-2	-7	-24	-7	18	18	1	1	4	15	15
Critical Water Years	11	-21	-7	20	27	16	-13	-61	-61	-72	-66	2

Table G.1-3-7-A. San Joaquin River at Prisoners Point, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	665	855	907	833	843	485	418	341	368	418	394	484
1%	625	657	777	655	648	442	407	339	329	341	384	482
5%	549	547	686	623	463	392	375	300	302	317	368	411
10%	501	504	628	575	405	331	342	292	262	294	334	397
25%	431	457	572	430	338	320	325	274	230	246	310	379
50%	360	392	459	316	283	283	293	257	223	229	265	342
75%	204	255	318	246	243	262	266	238	216	208	222	223
99.9%	193	195	149	137	145	132	118	113	128	192	205	194

Table G.1-3-7-B. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	335	365	447	355	302	285	288	245	227	237	271	311
Wet Water Years	305	323	319	259	247	237	230	191	202	209	223	218
Above Normal Water Years	326	344	433	330	284	292	319	263	224	213	232	223
Below Normal Water Years	306	340	473	357	297	309	317	258	223	233	291	373
Dry Water Years	341	385	528	408	318	290	304	266	226	253	310	370
Critical Water Years	430	449	528	473	391	326	315	299	296	299	318	385

Table G.1-3-7-C. San Joaquin River at Prisoners Point, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	112	229	139	181	208	30	-35	-173	-70	-21	-77	48
1%	75	67	15	6	73	7	-27	-129	-65	-91	-54	55
5%	57	-18	8	-5	11	49	-3	-45	-78	-79	-25	6
10%	32	-26	-9	-17	-6	7	-14	-22	-62	-63	-40	4
25%	4	-6	-12	-18	-16	32	14	-11	-2	-11	-2	2
50%	2	4	-20	-1	1	12	13	-2	-1	1	8	7
75%	-1	2	1	-1	2	14	7	-3	-2	0	-1	5
99.9%	-2	0	0	0	0	0	0	0	-2	0	0	-4

Table G.1-3-7-D. San Joaquin River at Prisoners Point, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	8	0	-5	-3	3	15	8	-13	-10	-11	-5	6
Wet Water Years	3	1	-5	-2	-1	1	2	-4	-1	0	2	2
Above Normal Water Years	17	-6	-25	1	1	14	15	-4	0	3	8	5
Below Normal Water Years	20	13	4	4	3	29	20	-3	0	2	7	4
Dry Water Years	2	1	-3	-17	-5	19	19	4	3	2	13	14
Critical Water Years	19	-16	-8	14	19	14	-11	-53	-50	-66	-63	-3

Table G.1-3-8-A. San Joaquin River at Prisoners Point, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	665	855	907	833	843	485	418	341	368	418	394	484
1%	625	657	777	655	648	442	407	339	329	341	384	482
5%	549	547	686	623	463	392	375	300	302	317	368	411
10%	501	504	628	575	405	331	342	292	262	294	334	397
25%	431	457	572	430	338	320	325	274	230	246	310	379
50%	360	392	459	316	283	283	293	257	223	229	265	342
75%	204	255	318	246	243	262	266	238	216	208	222	223
99.9%	193	195	149	137	145	132	118	113	128	192	205	194

Table G.1-3-8-B. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	335	365	447	355	302	285	288	245	227	237	271	311
Wet Water Years	302	323	314	260	246	232	224	190	201	209	223	219
Above Normal Water Years	321	339	416	320	278	274	290	251	223	207	232	223
Below Normal Water Years	291	332	443	338	289	279	287	247	222	233	291	375
Dry Water Years	340	385	513	415	320	271	279	254	223	250	304	365
Critical Water Years	417	465	526	439	368	314	325	342	342	361	373	385

Table G.1-3-8-C. San Joaquin River at Prisoners Point, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	112	229	139	181	208	30	-35	-173	-70	-21	-77	48
1%	75	67	15	6	73	7	-27	-129	-65	-91	-54	55
5%	57	-18	8	-5	11	49	-3	-45	-78	-79	-25	6
10%	32	-26	-9	-17	-6	7	-14	-22	-62	-63	-40	4
25%	4	-6	-12	-18	-16	32	14	-11	-2	-11	-2	2
50%	2	4	-20	-1	1	12	13	-2	-1	1	8	7
75%	-1	2	1	-1	2	14	7	-3	-2	0	-1	5
99.9%	-2	0	0	0	0	0	0	0	-2	0	0	-4

Table G.1-3-8-D. San Joaquin River at Prisoners Point, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	8	0	-5	-3	3	15	8	-13	-10	-11	-5	6
Wet Water Years	0	1	-10	-1	-2	-4	-4	-5	-2	1	3	3
Above Normal Water Years	12	-11	-43	-9	-5	-4	-14	-16	-2	-3	8	6
Below Normal Water Years	4	5	-27	-15	-5	-1	-10	-14	-2	1	7	5
Dry Water Years	0	1	-18	-10	-2	0	-7	-9	0	0	7	10
Critical Water Years	7	-1	-9	-19	-4	3	-1	-10	-4	-4	-8	-3

Table G.1-4-1-A. San Joaquin River at San Andreas Landing, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	723	770	817	703	583	384	440	571	474	508	564	491
1%	709	716	789	677	434	380	364	533	440	490	509	484
5%	623	677	727	646	393	276	285	363	396	447	453	461
10%	591	614	686	614	359	252	265	297	343	387	410	445
25%	517	530	629	410	250	232	241	236	214	256	327	414
50%	388	418	508	260	219	215	224	223	205	223	268	364
75%	191	270	281	202	195	199	208	207	197	198	222	211
99.9%	186	179	172	172	170	173	162	152	163	181	188	183

Table G.1-4-1-B. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	365	404	459	326	244	220	227	234	227	248	289	324
Wet Water Years	325	339	288	200	189	192	194	187	190	195	216	208
Above Normal Water Years	340	394	461	273	209	203	221	219	200	202	221	208
Below Normal Water Years	307	357	487	316	236	219	226	221	207	225	288	396
Dry Water Years	384	434	562	418	274	228	229	227	209	249	314	395
Critical Water Years	495	535	570	467	339	274	290	355	364	403	438	444

Table G.1-4-2-A. San Joaquin River at San Andreas Landing, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	818	1180	767	745	658	385	317	370	433	433	408	593
1%	728	959	712	693	639	350	312	354	427	388	397	553
5%	710	830	642	671	535	309	283	304	339	334	380	460
10%	622	729	624	648	470	280	255	259	249	311	366	438
25%	512	589	588	483	342	241	235	233	213	247	319	414
50%	421	509	488	314	219	209	217	219	200	223	289	391
75%	395	445	307	199	192	195	201	202	193	200	260	370
99.9%	183	179	172	172	170	173	162	152	162	181	188	185

Table G.1-4-2-B. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	453	518	450	359	280	223	220	221	214	233	293	390
Wet Water Years	419	420	307	212	188	189	192	185	187	196	245	349
Above Normal Water Years	472	540	461	301	210	198	214	212	195	201	267	387
Below Normal Water Years	439	494	458	356	273	218	218	217	202	225	293	377
Dry Water Years	447	552	539	476	341	237	226	225	210	249	321	407
Critical Water Years	519	648	548	497	419	289	268	289	301	311	356	453

Table G.1-4-2-C. San Joaquin River at San Andreas Landing, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	95	411	-50	42	74	1	-123	-201	-41	-75	-156	102
1%	19	243	-77	16	205	-30	-52	-179	-12	-102	-111	69
5%	86	153	-86	25	142	33	-2	-59	-57	-114	-73	-1
10%	31	115	-62	34	111	28	-11	-38	-94	-77	-44	-7
25%	-5	59	-40	73	92	9	-5	-3	-1	-9	-8	0
50%	33	90	-20	55	0	-6	-7	-4	-5	0	21	26
75%	204	174	26	-4	-3	-4	-6	-4	-4	2	38	159
99.9%	-3	0	0	0	0	0	0	0	-1	0	0	3

Table G.1-4-2-D. San Joaquin River at San Andreas Landing, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	88	114	-9	33	36	3	-7	-13	-12	-15	4	66
Wet Water Years	94	81	19	12	-1	-3	-2	-1	-3	0	29	142
Above Normal Water Years	133	146	0	29	2	-5	-7	-6	-5	-2	46	179
Below Normal Water Years	132	137	-29	40	36	-1	-9	-4	-5	0	5	-18
Dry Water Years	63	118	-23	58	68	9	-3	-2	1	0	7	12
Critical Water Years	23	113	-21	30	81	15	-22	-66	-63	-92	-82	9

Table G.1-4-3-A. San Joaquin River at San Andreas Landing, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 With TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	754	791	825	698	584	371	421	539	495	479	484	482
1%	717	722	773	655	446	345	362	509	463	475	474	469
5%	649	640	737	627	364	271	290	381	399	445	466	463
10%	618	602	679	555	331	249	259	289	343	397	410	444
25%	517	527	628	402	248	232	238	233	214	251	330	416
50%	391	395	517	256	219	215	218	220	203	224	278	373
75%	192	268	271	203	195	199	205	203	196	200	224	215
99.9%	185	179	172	172	170	173	162	152	162	181	188	183

Table G.1-4-3-B. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 With TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	370	400	456	319	240	220	224	230	225	247	292	328
Wet Water Years	325	338	282	198	189	192	192	185	189	196	219	210
Above Normal Water Years	359	372	436	271	209	203	216	212	199	199	230	213
Below Normal Water Years	309	359	479	311	235	219	222	217	206	227	294	398
Dry Water Years	385	434	570	408	264	228	227	224	210	250	322	405
Critical Water Years	504	528	579	446	327	272	287	346	358	395	427	439

Table G.1-4-3-C. San Joaquin River at San Andreas Landing, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	30	21	8	-5	1	-13	-19	-32	22	-29	-80	-9
1%	8	6	-16	-23	11	-35	-3	-25	23	-15	-35	-15
5%	25	-37	10	-19	-29	-5	5	18	3	-3	14	1
10%	27	-12	-7	-58	-28	-3	-7	-9	0	10	0	-1
25%	0	-3	-1	-7	-2	0	-3	-3	0	-5	4	2
50%	2	-23	9	-3	0	0	-5	-3	-2	1	9	9
75%	1	-2	-10	0	0	0	-3	-3	-1	2	2	4
99.9%	-1	0	0	0	0	0	0	0	-1	0	0	0

Table G.1-4-3-D. San Joaquin River at San Andreas Landing, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	5	-4	-3	-7	-5	-1	-3	-4	-2	-1	3	3
Wet Water Years	0	0	-6	-2	0	0	-2	-2	-1	1	3	3
Above Normal Water Years	19	-22	-25	-1	0	0	-6	-6	-2	-4	9	5
Below Normal Water Years	2	2	-8	-5	-2	0	-4	-4	-1	2	5	2
Dry Water Years	1	0	7	-10	-10	-1	-2	-3	1	1	8	9
Critical Water Years	8	-7	9	-21	-11	-2	-3	-9	-6	-9	-11	-4

Table G.1-4-4-A. San Joaquin River at San Andreas Landing, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	759	765	849	983	596	369	313	351	424	439	408	481
1%	749	750	831	706	569	325	306	342	402	389	405	465
5%	697	638	739	634	371	266	274	298	333	326	376	451
10%	643	590	682	560	334	250	253	255	249	313	364	444
25%	521	517	607	400	249	232	236	233	214	248	319	415
50%	394	394	495	254	219	215	219	220	203	224	276	372
75%	192	268	270	203	195	199	205	203	196	200	224	215
99.9%	185	179	172	172	170	173	162	152	162	181	188	183

Table G.1-4-4-B. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	378	396	452	323	241	219	221	220	215	233	280	327
Wet Water Years	324	336	282	198	189	192	193	185	189	196	219	210
Above Normal Water Years	361	371	434	272	209	203	216	212	199	199	230	213
Below Normal Water Years	324	362	488	317	235	219	222	217	206	227	290	394
Dry Water Years	389	432	560	402	263	228	227	224	210	250	322	405
Critical Water Years	533	508	565	476	337	269	263	283	295	308	353	437

Table G.1-4-4-C. San Joaquin River at San Andreas Landing, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	35	-5	32	281	13	-15	-126	-219	-50	-69	-157	-10
1%	40	34	42	28	135	-54	-58	-192	-37	-101	-104	-19
5%	74	-40	11	-12	-22	-10	-11	-65	-63	-121	-76	-10
10%	52	-24	-4	-53	-25	-2	-12	-43	-94	-74	-47	-1
25%	4	-13	-22	-10	-1	0	-4	-3	0	-8	-8	1
50%	5	-24	-13	-6	0	0	-5	-3	-2	1	8	7
75%	1	-2	-11	0	0	1	-3	-3	-1	2	2	4
99.9%	-1	0	0	0	0	0	0	0	-1	0	0	0

Table G.1-4-4-D. San Joaquin River at San Andreas Landing, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	13	-8	-7	-3	-3	-1	-7	-14	-12	-15	-9	2
Wet Water Years	-1	-2	-7	-2	0	-1	-2	-2	-1	1	3	3
Above Normal Water Years	22	-23	-27	-1	0	0	-6	-6	-1	-4	9	5
Below Normal Water Years	16	5	1	1	-1	0	-4	-4	-1	2	2	-2
Dry Water Years	5	-2	-3	-16	-10	-1	-2	-3	1	1	8	9
Critical Water Years	38	-27	-4	9	-2	-5	-28	-73	-69	-95	-85	-6

Table G.1-4-5-A. San Joaquin River at San Andreas Landing, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Delta VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	816	830	907	984	901	373	323	353	426	449	417	600
1%	781	780	829	707	592	353	310	345	405	393	415	498
5%	717	652	736	637	374	284	274	297	332	326	378	457
10%	644	573	691	593	338	251	263	258	249	311	364	450
25%	532	513	613	394	249	239	247	238	215	248	325	422
50%	393	405	495	255	220	222	230	226	205	226	277	378
75%	192	274	275	203	195	200	209	205	198	199	224	215
99.9%	185	179	172	172	170	173	162	152	163	181	188	183

Table G.1-4-5-B. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Delta VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	380	399	454	324	246	223	228	224	216	234	282	332
Wet Water Years	329	341	284	198	189	192	194	186	189	196	219	210
Above Normal Water Years	365	374	435	272	209	207	229	219	200	205	229	213
Below Normal Water Years	335	368	493	319	236	227	236	223	207	227	293	399
Dry Water Years	386	435	558	398	265	232	236	230	211	252	329	413
Critical Water Years	525	504	566	484	360	274	265	284	295	308	356	451

Table G.1-4-5-C. San Joaquin River at San Andreas Landing, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	93	60	90	281	318	-11	-116	-217	-48	-59	-147	109
1%	72	64	40	29	158	-26	-54	-189	-35	-97	-93	14
5%	93	-26	8	-8	-20	8	-11	-65	-63	-121	-75	-5
10%	53	-41	5	-21	-20	-1	-2	-40	-94	-76	-47	5
25%	15	-17	-15	-16	0	8	6	2	2	-8	-1	8
50%	5	-13	-13	-4	0	7	6	3	-1	3	9	14
75%	1	4	-7	1	0	2	1	-1	1	1	2	4
99.9%	0	0	0	0	0	0	0	0	-1	0	0	0

Table G.1-4-5-D. San Joaquin River at San Andreas Landing, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	15	-5	-5	-2	1	3	0	-10	-11	-14	-7	7
Wet Water Years	3	3	-5	-1	0	0	0	-1	-1	0	3	3
Above Normal Water Years	26	-20	-26	-1	0	4	7	1	0	3	8	4
Below Normal Water Years	28	11	6	3	0	8	9	2	0	2	5	4
Dry Water Years	2	1	-5	-20	-9	3	7	3	2	3	15	17
Critical Water Years	30	-31	-3	16	21	0	-25	-72	-69	-95	-81	8

Table G.1-4-6-A. San Joaquin River at San Andreas Landing, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	821	1115	976	987	918	373	320	345	406	443	417	619
1%	782	804	830	704	586	353	311	333	351	360	417	614
5%	718	645	734	647	417	286	269	280	310	322	378	466
10%	643	567	690	593	347	253	259	251	236	307	362	449
25%	520	506	615	398	248	239	243	233	214	245	320	421
50%	389	423	481	258	220	222	227	221	203	224	276	379
75%	191	276	273	203	195	200	207	204	197	198	221	214
99.9%	185	179	172	172	170	173	162	152	163	181	188	183

Table G.1-4-6-B. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	376	401	454	323	247	224	225	219	213	232	280	333
Wet Water Years	327	341	286	199	189	192	194	185	189	196	218	210
Above Normal Water Years	362	377	435	272	209	207	226	216	200	198	225	211
Below Normal Water Years	332	387	498	313	237	227	231	218	206	227	291	398
Dry Water Years	384	431	554	390	264	232	233	226	209	253	330	413
Critical Water Years	513	500	568	492	368	276	262	271	280	301	352	459

Table G.1-4-6-C. San Joaquin River at San Andreas Landing, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	98	345	158	285	335	-11	-120	-225	-67	-65	-147	128
1%	73	88	41	27	152	-26	-53	-200	-89	-130	-92	130
5%	95	-33	7	2	24	11	-15	-82	-86	-125	-75	5
10%	52	-46	4	-20	-12	1	-6	-47	-108	-80	-48	4
25%	4	-24	-14	-11	-2	8	2	-3	0	-11	-7	7
50%	1	5	-27	-1	1	7	4	-2	-2	2	8	14
75%	0	5	-8	1	0	2	0	-2	1	0	-1	3
99.9%	-1	0	0	0	0	0	0	0	-1	0	0	0

Table G.1-4-6-D. San Joaquin River at San Andreas Landing, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	11	-3	-5	-3	3	3	-2	-15	-14	-16	-8	8
Wet Water Years	2	2	-2	-1	0	0	0	-2	-1	0	2	3
Above Normal Water Years	22	-17	-26	-1	0	4	4	-2	-1	-4	3	3
Below Normal Water Years	24	30	10	-3	0	8	5	-3	-1	2	3	2
Dry Water Years	1	-3	-9	-27	-10	3	4	-1	0	4	16	17
Critical Water Years	17	-35	-1	25	30	2	-28	-84	-84	-102	-85	16

Table G.1-4-7-A. San Joaquin River at San Andreas Landing, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	821	1115	976	987	918	373	320	345	406	443	417	619
1%	782	804	830	704	586	353	311	333	351	360	417	614
5%	718	645	734	647	417	286	269	280	310	322	378	466
10%	643	567	690	593	347	253	259	251	236	307	362	449
25%	520	506	615	398	248	239	243	233	214	245	320	421
50%	389	423	481	258	220	222	227	221	203	224	276	379
75%	191	276	273	203	195	200	207	204	197	198	221	214
99.9%	185	179	172	172	170	173	162	152	163	181	188	183

Table G.1-4-7-B. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	376	401	454	323	247	224	225	219	213	232	280	333
Wet Water Years	329	341	284	198	189	192	194	186	189	196	219	210
Above Normal Water Years	365	374	435	272	209	207	229	219	200	205	229	213
Below Normal Water Years	335	368	493	319	236	227	236	223	207	227	293	399
Dry Water Years	386	435	558	398	265	232	236	230	211	252	329	413
Critical Water Years	525	504	566	484	360	274	265	284	295	308	356	451

Table G.1-4-7-C. San Joaquin River at San Andreas Landing, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	98	345	158	285	335	-11	-120	-225	-67	-65	-147	128
1%	73	88	41	27	152	-26	-53	-200	-89	-130	-92	130
5%	95	-33	7	2	24	11	-15	-82	-86	-125	-75	5
10%	52	-46	4	-20	-12	1	-6	-47	-108	-80	-48	4
25%	4	-24	-14	-11	-2	8	2	-3	0	-11	-7	7
50%	1	5	-27	-1	1	7	4	-2	-2	2	8	14
75%	0	5	-8	1	0	2	0	-2	1	0	-1	3
99.9%	-1	0	0	0	0	0	0	0	-1	0	0	0

Table G.1-4-7-D. San Joaquin River at San Andreas Landing, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	11	-3	-5	-3	3	3	-2	-15	-14	-16	-8	8
Wet Water Years	3	3	-5	-1	0	0	0	-1	-1	0	3	3
Above Normal Water Years	26	-20	-26	-1	0	4	7	1	0	3	8	4
Below Normal Water Years	28	11	6	3	0	8	9	2	0	2	5	4
Dry Water Years	2	1	-5	-20	-9	3	7	3	2	3	15	17
Critical Water Years	30	-31	-3	16	21	0	-25	-72	-69	-95	-81	8

Table G.1-4-8-A. San Joaquin River at San Andreas Landing, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	821	1115	976	987	918	373	320	345	406	443	417	619
1%	782	804	830	704	586	353	311	333	351	360	417	614
5%	718	645	734	647	417	286	269	280	310	322	378	466
10%	643	567	690	593	347	253	259	251	236	307	362	449
25%	520	506	615	398	248	239	243	233	214	245	320	421
50%	389	423	481	258	220	222	227	221	203	224	276	379
75%	191	276	273	203	195	200	207	204	197	198	221	214
99.9%	185	179	172	172	170	173	162	152	163	181	188	183

Table G.1-4-8-B. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	376	401	454	323	247	224	225	219	213	232	280	333
Wet Water Years	324	342	276	198	188	191	192	185	189	196	219	210
Above Normal Water Years	357	368	416	261	207	202	215	212	199	199	230	213
Below Normal Water Years	314	363	460	302	234	218	222	217	206	226	293	400
Dry Water Years	385	433	543	409	274	228	226	224	210	249	324	405
Critical Water Years	504	532	557	438	345	280	291	344	360	396	426	439

Table G.1-4-8-C. San Joaquin River at San Andreas Landing, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	98	345	158	285	335	-11	-120	-225	-67	-65	-147	128
1%	73	88	41	27	152	-26	-53	-200	-89	-130	-92	130
5%	95	-33	7	2	24	11	-15	-82	-86	-125	-75	5
10%	52	-46	4	-20	-12	1	-6	-47	-108	-80	-48	4
25%	4	-24	-14	-11	-2	8	2	-3	0	-11	-7	7
50%	1	5	-27	-1	1	7	4	-2	-2	2	8	14
75%	0	5	-8	1	0	2	0	-2	1	0	-1	3
99.9%	-1	0	0	0	0	0	0	0	-1	0	0	0

Table G.1-4-8-D. San Joaquin River at San Andreas Landing, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	11	-3	-5	-3	3	3	-2	-15	-14	-16	-8	8
Wet Water Years	-1	3	-12	-2	0	-1	-2	-2	-1	1	3	3
Above Normal Water Years	18	-27	-45	-12	-2	-1	-6	-6	-2	-4	9	4
Below Normal Water Years	6	6	-27	-15	-3	-1	-4	-4	-1	1	5	4
Dry Water Years	1	-1	-19	-9	0	0	-2	-3	1	0	10	10
Critical Water Years	9	-3	-12	-29	6	6	0	-11	-4	-7	-12	-4

Table G.1-5-1-A. San Joaquin River at Vernalis, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	780	998	1000	1000	1000	993	620	570	629	650	639	654
1%	731	987	1000	1000	1000	937	619	570	622	650	638	649
5%	707	804	885	853	853	836	615	567	618	646	635	641
10%	692	768	787	770	740	822	609	553	610	644	630	634
25%	674	743	734	710	710	795	593	528	591	633	620	624
50%	648	724	711	687	681	736	515	452	547	596	600	601
75%	591	693	671	619	408	349	317	314	459	556	567	576
99.9%	259	147	95	95	95	95	95	95	101	277	341	389

Table G.1-5-1-B. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	624	712	682	625	573	590	448	398	492	574	583	586
Wet Water Years	609	686	626	486	381	318	246	211	343	495	522	521
Above Normal Water Years	654	739	712	652	558	513	422	383	475	565	579	586
Below Normal Water Years	603	713	667	655	591	646	477	431	522	585	596	605
Dry Water Years	626	716	718	685	693	770	576	502	583	619	615	615
Critical Water Years	647	728	718	719	719	799	599	545	597	639	628	634

Table G.1-5-2-A. San Joaquin River at Vernalis, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	796	995	999	998	1000	955	627	578	626	647	635	658
1%	780	952	990	983	1000	920	624	578	626	647	634	656
5%	725	804	903	863	866	831	621	568	614	641	632	638
10%	707	786	779	775	742	822	612	556	600	637	624	629
25%	689	755	736	711	710	784	576	500	584	625	613	622
50%	669	734	709	687	673	727	517	436	531	585	593	596
75%	608	702	661	608	435	368	320	314	446	543	558	574
99.9%	258	148	95	95	95	95	95	95	100	278	339	388

Table G.1-5-2-B. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	640	720	682	622	570	587	441	389	484	567	578	583
Wet Water Years	622	693	627	487	379	320	249	211	336	491	522	520
Above Normal Water Years	671	744	706	642	563	516	420	381	470	559	571	579
Below Normal Water Years	620	719	666	652	587	641	463	416	512	577	589	603
Dry Water Years	642	725	717	682	689	763	556	481	571	609	609	613
Critical Water Years	666	741	722	719	714	791	595	543	594	634	624	629

Table G.1-5-2-C. San Joaquin River at Vernalis, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	16	-3	-1	-2	0	-38	7	8	-3	-3	-4	4
1%	49	-35	-10	-17	0	-17	6	8	4	-3	-3	6
5%	19	0	18	10	13	-5	6	1	-4	-5	-3	-2
10%	15	18	-7	5	3	0	3	3	-10	-7	-5	-5
25%	15	12	3	0	1	-11	-17	-28	-7	-8	-6	-2
50%	21	10	-2	0	-8	-10	2	-16	-16	-12	-7	-5
75%	17	9	-10	-11	26	18	3	-1	-13	-13	-8	-2
99.9%	-1	0	0	0	0	0	0	0	-1	1	-2	-1

Table G.1-5-2-D. San Joaquin River at Vernalis, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	16	8	0	-2	-3	-3	-7	-9	-8	-7	-5	-3
Wet Water Years	13	7	1	1	-2	3	3	0	-7	-4	0	-1
Above Normal Water Years	17	6	-6	-10	5	3	-2	-2	-5	-7	-8	-8
Below Normal Water Years	16	6	-1	-3	-5	-4	-14	-15	-10	-8	-7	-2
Dry Water Years	17	10	-1	-4	-4	-7	-20	-21	-12	-10	-6	-1
Critical Water Years	19	13	5	0	-5	-8	-4	-3	-2	-5	-4	-5

Table G.1-5-3-A. San Joaquin River at Vernalis, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 With TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	780	998	1000	1000	1000	993	625	570	630	653	640	649
1%	749	990	1000	1000	1000	932	619	569	623	652	637	647
5%	699	801	895	853	833	831	614	566	618	646	634	640
10%	691	762	785	771	732	820	607	552	606	644	632	632
25%	673	743	734	711	706	791	598	528	591	622	619	624
50%	649	724	712	688	678	733	515	459	548	597	599	600
75%	591	694	671	621	409	348	322	321	459	555	565	577
99.9%	259	147	95	95	95	95	95	95	99	276	337	388

Table G.1-5-3-B. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 With TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	624	712	681	625	568	588	450	401	494	574	581	584
Wet Water Years	608	686	623	485	374	316	248	213	347	498	522	520
Above Normal Water Years	651	735	710	658	557	513	423	387	479	567	580	585
Below Normal Water Years	604	714	666	653	587	643	482	440	528	588	595	603
Dry Water Years	626	717	718	686	689	767	579	505	585	621	616	615
Critical Water Years	647	730	720	720	716	797	598	545	589	627	614	626

Table G.1-5-3-C. San Joaquin River at Vernalis, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	-1	5	0	1	3	1	-5
1%	17	3	0	0	0	-5	1	0	1	2	-1	-2
5%	-8	-2	10	0	-20	-4	-1	-1	1	0	-1	-1
10%	-1	-6	-2	0	-8	-2	-1	0	-4	0	2	-2
25%	-1	0	1	1	-4	-4	5	0	-1	-11	-1	0
50%	1	0	1	1	-4	-4	0	7	1	1	-1	-1
75%	0	1	0	1	0	-1	5	7	-1	-1	-1	1
99.9%	1	0	0	0	0	0	0	0	-2	-1	-3	-1

Table G.1-5-3-D. San Joaquin River at Vernalis, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	-1	1	-4	-2	2	3	2	0	-2	-2
Wet Water Years	-1	0	-3	0	-6	-1	1	2	4	3	0	0
Above Normal Water Years	-3	-4	-2	6	-1	0	0	4	4	2	1	-1
Below Normal Water Years	1	1	-1	-2	-5	-2	5	8	6	3	-1	-2
Dry Water Years	1	1	0	1	-4	-3	3	3	2	2	1	0
Critical Water Years	0	2	2	2	-3	-3	-1	0	-8	-12	-14	-8

Table G.1-5-4-A. San Joaquin River at Vernalis, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	780	998	1000	1000	1000	993	625	569	630	653	640	649
1%	748	990	1000	1000	1000	932	619	569	624	652	638	648
5%	705	805	895	845	833	831	614	566	618	646	634	641
10%	693	764	786	772	732	820	607	552	607	641	631	632
25%	675	743	735	711	706	792	598	528	591	619	617	623
50%	650	724	711	687	678	742	515	460	547	594	599	599
75%	591	694	671	621	409	353	322	321	459	554	564	577
99.9%	259	147	95	95	95	95	95	95	99	276	338	388

Table G.1-5-4-B. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	624	712	681	626	569	589	450	402	493	573	579	584
Wet Water Years	609	686	623	485	375	319	249	213	347	498	522	520
Above Normal Water Years	650	735	710	661	559	514	423	387	479	568	580	586
Below Normal Water Years	605	714	667	653	587	644	482	440	529	589	596	603
Dry Water Years	626	716	717	686	689	767	579	505	585	621	616	616
Critical Water Years	647	728	718	720	716	797	598	545	585	619	606	624

Table G.1-5-4-C. San Joaquin River at Vernalis, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	-1	5	-1	1	3	1	-5
1%	17	3	0	0	0	-5	1	0	2	2	1	-1
5%	-2	1	10	-8	-20	-4	-1	-1	0	0	-1	0
10%	1	-4	-1	2	-7	-2	-1	0	-4	-3	1	-2
25%	1	-1	2	1	-3	-4	5	0	-1	-14	-2	-1
50%	2	0	0	0	-4	6	0	8	0	-2	-1	-3
75%	0	1	0	1	0	4	5	7	0	-2	-3	1
99.9%	1	0	0	0	0	0	0	0	-2	-1	-3	-1

Table G.1-5-4-D. San Joaquin River at Vernalis, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	-1	1	-4	-1	2	4	2	-1	-3	-2
Wet Water Years	0	0	-3	-1	-6	2	2	2	4	3	0	0
Above Normal Water Years	-4	-4	-2	9	1	1	1	4	4	3	1	0
Below Normal Water Years	2	1	0	-1	-5	-2	5	9	7	4	0	-1
Dry Water Years	0	1	0	1	-4	-3	3	3	2	2	1	1
Critical Water Years	0	0	0	1	-4	-3	-1	0	-12	-20	-22	-10

Table G.1-5-5-A. San Joaquin River at Vernalis, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Delta VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	789	999	1000	1000	1000	993	625	569	631	654	640	649
1%	749	990	1000	1000	1000	932	620	569	624	652	638	649
5%	699	808	892	844	833	833	614	566	618	646	634	640
10%	690	761	784	772	732	821	608	553	607	641	631	632
25%	674	742	736	711	707	794	598	529	591	619	618	624
50%	649	724	712	687	678	742	515	460	547	594	599	598
75%	591	694	671	621	409	353	322	321	460	554	564	577
99.9%	259	147	95	95	95	95	95	95	99	276	337	388

Table G.1-5-5-B. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Delta VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	624	712	681	626	569	589	450	402	493	573	579	584
Wet Water Years	609	686	623	485	375	319	249	213	347	498	522	520
Above Normal Water Years	652	736	710	661	559	514	423	387	479	567	580	586
Below Normal Water Years	605	713	667	653	587	644	482	440	529	589	596	603
Dry Water Years	626	716	718	686	689	768	579	505	585	621	616	616
Critical Water Years	647	728	718	720	716	797	598	545	585	619	606	624

Table G.1-5-5-C. San Joaquin River at Vernalis, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	9	0	0	0	0	0	5	-1	1	4	1	-4
1%	17	3	0	0	0	-5	1	0	2	2	0	-1
5%	-7	4	7	-9	-20	-2	-1	-1	0	0	-1	-1
10%	-2	-7	-3	2	-7	0	-1	0	-3	-3	1	-2
25%	0	-2	2	1	-3	-2	6	0	-1	-14	-2	-1
50%	1	1	1	0	-4	5	0	8	0	-2	-1	-4
75%	0	1	0	1	0	4	5	6	0	-2	-2	1
99.9%	1	0	0	0	0	0	0	0	-2	-1	-3	-1

Table G.1-5-5-D. San Joaquin River at Vernalis, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	-1	1	-4	-1	2	4	2	-1	-3	-2
Wet Water Years	0	0	-3	-1	-6	1	2	2	4	3	0	0
Above Normal Water Years	-2	-3	-2	9	1	1	1	4	4	2	1	0
Below Normal Water Years	2	1	-1	-2	-5	-1	6	9	7	4	0	-2
Dry Water Years	0	1	0	1	-4	-2	3	3	2	2	1	1
Critical Water Years	0	0	1	1	-3	-2	-1	0	-12	-20	-22	-10

Table G.1-5-6-A. San Joaquin River at Vernalis, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	789	998	1000	1000	1000	993	625	569	631	659	640	650
1%	748	990	1000	1000	1000	933	619	569	624	652	638	650
5%	698	801	892	845	833	833	614	566	618	646	634	640
10%	694	766	783	772	732	821	608	552	607	642	632	632
25%	676	742	735	712	707	794	598	528	590	619	618	623
50%	650	724	712	687	678	738	515	460	547	594	599	599
75%	591	694	671	621	409	353	322	320	460	554	564	577
99.9%	259	147	95	95	95	95	95	95	99	276	337	388

Table G.1-5-6-B. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	624	712	681	626	569	589	450	402	493	573	579	584
Wet Water Years	609	686	623	485	375	319	248	213	347	498	522	520
Above Normal Water Years	650	735	710	661	559	514	423	387	479	567	580	586
Below Normal Water Years	605	713	667	653	587	644	482	440	529	589	596	603
Dry Water Years	627	718	719	686	689	768	579	505	585	621	616	616
Critical Water Years	648	728	718	720	716	797	598	545	585	619	606	624

Table G.1-5-6-C. San Joaquin River at Vernalis, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	9	0	0	0	0	0	5	-1	1	9	1	-4
1%	17	3	0	0	0	-4	1	0	2	2	0	0
5%	-9	-3	7	-8	-20	-2	-1	-1	1	0	-1	0
10%	2	-2	-4	2	-7	0	-1	-1	-3	-2	2	-2
25%	2	-1	2	1	-3	-2	5	0	-1	-14	-2	-1
50%	2	1	1	0	-4	2	0	8	0	-2	-1	-2
75%	0	1	0	1	0	4	5	6	0	-2	-3	1
99.9%	1	0	0	0	0	0	0	0	-2	-1	-3	-1

Table G.1-5-6-D. San Joaquin River at Vernalis, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	-1	1	-4	-1	2	4	2	-1	-3	-2
Wet Water Years	0	0	-3	-1	-6	1	2	2	4	3	0	0
Above Normal Water Years	-4	-4	-2	9	1	1	1	4	4	2	1	0
Below Normal Water Years	2	1	-1	-2	-4	-1	6	9	7	4	0	-2
Dry Water Years	2	2	1	1	-4	-2	3	3	2	2	1	1
Critical Water Years	1	0	0	1	-3	-2	-1	0	-12	-20	-22	-10

Table G.1-5-7-A. San Joaquin River at Vernalis, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	789	998	1000	1000	1000	993	625	569	631	659	640	650
1%	748	990	1000	1000	1000	933	619	569	624	652	638	650
5%	698	801	892	845	833	833	614	566	618	646	634	640
10%	694	766	783	772	732	821	608	552	607	642	632	632
25%	676	742	735	712	707	794	598	528	590	619	618	623
50%	650	724	712	687	678	738	515	460	547	594	599	599
75%	591	694	671	621	409	353	322	320	460	554	564	577
99.9%	259	147	95	95	95	95	95	95	99	276	337	388

Table G.1-5-7-B. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	624	712	681	626	569	589	450	402	493	573	579	584
Wet Water Years	609	686	623	485	375	319	249	213	347	498	522	520
Above Normal Water Years	652	736	710	661	559	514	423	387	479	567	580	586
Below Normal Water Years	605	713	667	653	587	644	482	440	529	589	596	603
Dry Water Years	626	716	718	686	689	768	579	505	585	621	616	616
Critical Water Years	647	728	718	720	716	797	598	545	585	619	606	624

Table G.1-5-7-C. San Joaquin River at Vernalis, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	9	0	0	0	0	0	5	-1	1	9	1	-4
1%	17	3	0	0	0	-4	1	0	2	2	0	0
5%	-9	-3	7	-8	-20	-2	-1	-1	1	0	-1	0
10%	2	-2	-4	2	-7	0	-1	-1	-3	-2	2	-2
25%	2	-1	2	1	-3	-2	5	0	-1	-14	-2	-1
50%	2	1	1	0	-4	2	0	8	0	-2	-1	-2
75%	0	1	0	1	0	4	5	6	0	-2	-3	1
99.9%	1	0	0	0	0	0	0	0	-2	-1	-3	-1

Table G.1-5-7-D. San Joaquin River at Vernalis, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0	0	-1	1	-4	-1	2	4	2	-1	-3	-2
Wet Water Years	0	0	-3	-1	-6	1	2	2	4	3	0	0
Above Normal Water Years	-2	-3	-2	9	1	1	1	4	4	2	1	0
Below Normal Water Years	2	1	-1	-2	-5	-1	6	9	7	4	0	-2
Dry Water Years	0	1	0	1	-4	-2	3	3	2	2	1	1
Critical Water Years	0	0	1	1	-3	-2	-1	0	-12	-20	-22	-10

Table G.1-5-8-A. San Joaquin River at Vernalis, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	789	998	1000	1000	1000	993	625	569	631	659	640	650
1%	748	990	1000	1000	1000	933	619	569	624	652	638	650
5%	698	801	892	845	833	833	614	566	618	646	634	640
10%	694	766	783	772	732	821	608	552	607	642	632	632
25%	676	742	735	712	707	794	598	528	590	619	618	623
50%	650	724	712	687	678	738	515	460	547	594	599	599
75%	591	694	671	621	409	353	322	320	460	554	564	577
99.9%	259	147	95	95	95	95	95	95	99	276	337	388

Table G.1-5-8-B. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	624	712	681	626	569	589	450	402	493	573	579	584
Wet Water Years	609	686	623	486	374	316	248	213	347	498	522	520
Above Normal Water Years	651	735	710	659	557	513	423	387	479	568	580	586
Below Normal Water Years	604	714	667	653	586	643	482	439	528	588	595	602
Dry Water Years	626	716	718	686	689	767	578	505	585	620	615	614
Critical Water Years	649	728	718	720	716	796	598	545	589	627	614	628

Table G.1-5-8-C. San Joaquin River at Vernalis, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	9	0	0	0	0	0	5	-1	1	9	1	-4
1%	17	3	0	0	0	-4	1	0	2	2	0	0
5%	-9	-3	7	-8	-20	-2	-1	-1	1	0	-1	0
10%	2	-2	-4	2	-7	0	-1	-1	-3	-2	2	-2
25%	2	-1	2	1	-3	-2	5	0	-1	-14	-2	-1
50%	2	1	1	0	-4	2	0	8	0	-2	-1	-2
75%	0	1	0	1	0	4	5	6	0	-2	-3	1
99.9%	1	0	0	0	0	0	0	0	-2	-1	-3	-1

Table G.1-5-8-D. San Joaquin River at Vernalis, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0	0	-1	1	-4	-1	2	4	2	-1	-3	-2
Wet Water Years	0	0	-3	0	-6	-1	1	2	4	3	0	-1
Above Normal Water Years	-3	-3	-2	6	-1	0	1	4	4	2	1	0
Below Normal Water Years	1	2	0	-2	-5	-2	5	8	6	3	-1	-3
Dry Water Years	0	1	0	1	-4	-3	3	3	2	1	1	0
Critical Water Years	2	0	0	1	-4	-3	-1	0	-8	-12	-14	-6

Table G.1-6-1-A. San Joaquin River at Brandt Bridge, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	769	983	991	994	993	977	639	579	626	647	643	654
1%	725	971	989	990	993	926	636	579	618	646	642	648
5%	699	795	879	853	851	833	631	575	614	645	639	643
10%	688	767	792	771	738	817	622	561	609	638	634	637
25%	671	739	739	718	713	791	611	535	591	617	623	626
50%	646	721	714	693	688	735	521	459	545	595	602	604
75%	590	687	672	626	410	355	316	316	457	555	569	577
99.9%	264	156	98	97	97	96	95	96	102	275	341	389

Table G.1-6-1-B. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	622	707	685	630	576	589	457	403	490	570	584	588
Wet Water Years	607	681	630	492	384	320	249	213	341	491	523	522
Above Normal Water Years	650	733	717	659	562	516	428	386	473	563	580	588
Below Normal Water Years	601	707	671	658	596	644	486	436	520	584	598	606
Dry Water Years	624	710	718	691	696	766	590	509	581	613	616	617
Critical Water Years	645	722	722	723	722	796	615	554	596	637	634	636

Table G.1-6-2-A. San Joaquin River at Brandt Bridge, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	782	984	991	993	994	941	644	588	625	648	641	657
1%	769	938	981	974	993	909	644	588	622	647	640	653
5%	718	795	896	862	862	823	635	577	610	640	636	640
10%	700	779	794	776	746	814	628	566	600	635	629	632
25%	684	749	748	724	715	788	592	507	583	621	615	623
50%	664	731	715	692	677	725	527	440	528	584	595	598
75%	606	698	666	620	434	365	320	315	442	542	560	575
99.9%	263	157	98	97	97	96	95	96	101	276	339	387

Table G.1-6-2-B. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	636	715	687	629	574	586	450	394	482	565	580	585
Wet Water Years	619	688	633	494	382	323	252	213	334	488	522	522
Above Normal Water Years	666	740	714	652	567	519	426	384	468	557	572	580
Below Normal Water Years	616	714	671	656	592	639	472	420	510	576	591	603
Dry Water Years	639	720	720	688	692	759	570	487	568	607	612	615
Critical Water Years	662	735	729	726	717	788	611	551	594	633	628	631

Table G.1-6-2-C. San Joaquin River at Brandt Bridge, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	12	0	0	-1	0	-36	5	9	-1	1	-2	3
1%	44	-33	-8	-16	0	-17	8	9	3	1	-3	5
5%	19	0	16	9	12	-9	4	2	-4	-5	-3	-3
10%	12	12	1	5	9	-3	5	4	-9	-3	-5	-4
25%	14	10	9	6	2	-3	-19	-28	-8	4	-8	-3
50%	18	10	1	-2	-11	-10	7	-19	-17	-11	-8	-6
75%	16	11	-6	-6	24	10	4	-2	-15	-13	-9	-2
99.9%	-1	0	0	0	0	0	0	0	-1	1	-2	-1

Table G.1-6-2-D. San Joaquin River at Brandt Bridge, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	14	8	2	-1	-2	-3	-7	-9	-8	-5	-4	-3
Wet Water Years	12	7	3	2	-2	3	3	0	-7	-4	-1	-1
Above Normal Water Years	15	7	-3	-7	5	3	-2	-2	-5	-6	-8	-8
Below Normal Water Years	15	7	0	-2	-5	-4	-14	-16	-10	-8	-7	-3
Dry Water Years	15	10	2	-3	-4	-7	-20	-22	-12	-5	-4	-2
Critical Water Years	16	13	7	3	-5	-8	-4	-3	-2	-4	-5	-5

Table G.1-6-3-A. San Joaquin River at Brandt Bridge, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 With TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	769	984	991	994	993	977	638	579	626	648	645	648
1%	741	974	989	990	993	921	635	578	620	647	642	648
5%	695	792	889	853	832	826	631	574	616	644	640	642
10%	688	757	788	772	731	814	623	561	604	638	636	634
25%	670	740	740	718	710	787	611	536	590	617	619	626
50%	647	720	717	695	684	733	522	466	547	593	600	601
75%	590	688	671	626	410	352	323	323	457	554	566	578
99.9%	265	156	98	97	97	96	95	96	100	274	338	387

Table G.1-6-3-B. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 With TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	622	707	685	631	572	587	459	406	492	571	582	586
Wet Water Years	606	681	628	492	378	318	250	215	345	495	523	522
Above Normal Water Years	648	730	714	665	562	515	428	390	477	566	581	587
Below Normal Water Years	602	708	670	656	592	641	492	444	526	587	598	604
Dry Water Years	624	711	718	691	692	764	592	513	583	614	616	618
Critical Water Years	645	724	724	724	720	794	614	553	589	625	620	628

Table G.1-6-3-C. San Joaquin River at Brandt Bridge, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	0	0	0	0	0	0	2	1	-5
1%	16	3	0	0	0	-5	-1	-1	1	1	0	-1
5%	-5	-3	10	0	-18	-6	0	-1	2	-1	1	-1
10%	0	-10	-4	1	-7	-3	1	0	-5	0	1	-3
25%	-1	0	1	0	-3	-4	0	0	-1	0	-3	-1
50%	0	-1	3	2	-3	-2	1	7	2	-2	-2	-3
75%	0	2	0	1	0	-4	7	7	0	-1	-3	1
99.9%	1	0	0	0	0	0	0	0	-2	-1	-3	-1

Table G.1-6-3-D. San Joaquin River at Brandt Bridge, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	-1	1	-4	-2	2	3	2	0	-2	-2
Wet Water Years	-1	0	-2	0	-6	-2	1	2	4	3	0	0
Above Normal Water Years	-3	-3	-3	6	-1	0	0	4	4	2	1	0
Below Normal Water Years	1	1	-1	-2	-4	-2	5	8	6	4	0	-2
Dry Water Years	1	1	0	1	-4	-3	3	3	2	1	0	0
Critical Water Years	0	1	2	2	-3	-3	-1	0	-7	-12	-14	-8

Table G.1-6-4-A. San Joaquin River at Brandt Bridge, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	770	984	991	994	993	977	639	579	626	648	645	648
1%	741	974	989	990	993	921	635	579	620	647	642	648
5%	699	796	889	845	832	826	631	574	616	643	639	644
10%	689	759	789	774	731	814	622	561	604	637	635	634
25%	671	738	742	718	710	787	611	536	590	615	618	626
50%	647	719	715	695	684	740	522	467	546	591	600	600
75%	590	688	671	626	411	360	323	323	457	553	566	578
99.9%	265	156	98	97	97	96	95	96	100	274	338	387

Table G.1-6-4-B. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	622	706	685	631	573	588	459	407	492	570	581	586
Wet Water Years	607	681	629	492	379	321	251	215	345	495	523	522
Above Normal Water Years	647	730	715	668	564	516	428	390	477	566	582	587
Below Normal Water Years	603	708	671	657	592	641	492	445	527	588	598	605
Dry Water Years	624	711	718	691	692	764	592	513	583	613	616	618
Critical Water Years	645	722	722	724	719	794	614	553	585	618	611	626

Table G.1-6-4-C. San Joaquin River at Brandt Bridge, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	0	0	-1	0	2	1	-6
1%	16	3	0	0	0	-5	-1	0	1	1	0	-1
5%	-1	1	10	-8	-18	-6	0	-1	2	-2	0	0
10%	1	-8	-4	3	-7	-3	0	0	-5	-1	0	-3
25%	1	-1	3	0	-3	-4	0	0	-1	-3	-5	-1
50%	1	-2	2	2	-3	5	1	8	1	-4	-2	-4
75%	0	2	-1	1	0	5	7	7	0	-3	-3	1
99.9%	1	0	0	0	0	0	0	0	-2	-1	-3	-1

Table G.1-6-4-D. San Joaquin River at Brandt Bridge, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	-1	1	-4	-1	2	4	2	-1	-3	-2
Wet Water Years	0	0	-2	-1	-5	1	2	2	4	3	0	0
Above Normal Water Years	-4	-3	-2	9	1	1	1	4	4	3	1	0
Below Normal Water Years	2	1	0	-1	-5	-2	5	9	7	4	0	-1
Dry Water Years	0	0	0	0	-4	-3	3	3	2	1	0	1
Critical Water Years	-1	0	1	1	-3	-3	-1	0	-11	-19	-22	-11

Table G.1-6-5-A. San Joaquin River at Brandt Bridge, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Delta VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	778	984	991	994	993	978	639	579	627	648	645	648
1%	741	974	989	990	993	922	635	579	620	647	642	648
5%	695	799	886	844	832	829	630	574	616	643	639	642
10%	688	756	788	775	731	816	622	560	604	639	636	634
25%	672	739	741	718	711	788	610	536	590	616	618	625
50%	646	720	716	695	684	740	522	467	546	591	601	600
75%	590	688	672	626	411	361	323	323	457	552	567	578
99.9%	265	156	98	97	97	96	95	96	100	274	338	387

Table G.1-6-5-B. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Delta VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	622	706	685	631	573	588	459	407	492	570	582	586
Wet Water Years	607	681	629	492	379	321	251	215	345	495	523	522
Above Normal Water Years	648	730	715	668	564	516	428	390	477	566	582	588
Below Normal Water Years	603	708	670	657	592	642	492	445	527	588	598	605
Dry Water Years	624	711	718	691	692	765	592	513	583	614	618	619
Critical Water Years	645	722	722	724	719	794	614	553	585	617	611	625

Table G.1-6-5-C. San Joaquin River at Brandt Bridge, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	9	1	0	0	0	1	0	-1	1	2	1	-5
1%	16	3	0	0	0	-4	-1	0	2	0	0	-1
5%	-4	4	7	-9	-18	-3	-1	-1	2	-2	0	-1
10%	0	-11	-4	4	-7	-1	0	-1	-5	0	1	-3
25%	1	-1	2	0	-2	-3	0	1	-1	-1	-5	-1
50%	0	-1	2	2	-3	5	2	8	1	-4	-1	-4
75%	0	2	0	0	0	5	7	7	0	-3	-2	1
99.9%	1	0	0	0	0	0	0	0	-2	-1	-3	-1

Table G.1-6-5-D. San Joaquin River at Brandt Bridge, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	-1	1	-4	-1	2	4	2	-1	-3	-2
Wet Water Years	0	0	-2	-1	-5	1	2	2	4	3	0	0
Above Normal Water Years	-2	-3	-2	9	1	1	1	4	4	3	2	0
Below Normal Water Years	2	1	-1	-1	-5	-1	5	9	7	4	0	-2
Dry Water Years	0	1	0	1	-4	-2	2	3	2	1	2	1
Critical Water Years	0	0	1	1	-3	-2	-1	0	-11	-20	-22	-11

Table G.1-6-6-A. San Joaquin River at Brandt Bridge, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	778	984	991	994	993	978	639	579	627	650	645	650
1%	741	974	989	990	993	923	635	579	620	647	643	648
5%	694	792	887	845	832	829	630	574	616	643	639	642
10%	689	760	788	774	731	816	622	561	604	637	635	636
25%	672	737	742	718	711	788	610	535	589	617	619	625
50%	647	720	716	695	684	740	523	467	545	591	601	599
75%	590	688	672	626	411	361	323	323	457	552	567	578
99.9%	265	156	98	97	97	96	95	96	100	274	338	387

Table G.1-6-6-B. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	622	707	685	631	573	588	459	406	492	570	582	586
Wet Water Years	606	681	628	491	379	321	251	215	345	495	523	522
Above Normal Water Years	647	729	714	668	564	517	429	390	477	566	582	588
Below Normal Water Years	603	708	670	657	592	642	492	445	527	588	598	604
Dry Water Years	625	712	720	692	692	765	592	512	583	615	619	619
Critical Water Years	646	722	722	724	719	794	614	553	585	617	611	625

Table G.1-6-6-C. San Joaquin River at Brandt Bridge, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	8	1	0	0	0	1	0	-1	1	3	1	-4
1%	16	3	0	0	0	-3	0	0	2	1	1	0
5%	-5	-3	7	-8	-18	-3	-1	-1	2	-2	0	-1
10%	1	-7	-4	4	-7	-1	0	0	-5	-1	1	-1
25%	1	-2	3	0	-2	-3	0	0	-2	-1	-3	-2
50%	1	-1	3	2	-3	5	2	8	0	-4	-1	-5
75%	0	2	0	0	0	5	7	7	0	-3	-2	1
99.9%	1	0	0	0	0	0	0	0	-2	-1	-3	-1

Table G.1-6-6-D. San Joaquin River at Brandt Bridge, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	-1	1	-4	-1	2	3	2	-1	-3	-2
Wet Water Years	0	0	-2	-1	-5	1	2	2	4	3	0	0
Above Normal Water Years	-4	-4	-3	9	1	1	1	4	4	2	1	0
Below Normal Water Years	2	1	-1	-2	-4	-1	5	9	7	4	0	-2
Dry Water Years	1	2	2	1	-4	-2	2	3	2	2	3	1
Critical Water Years	0	0	0	1	-3	-2	-1	0	-11	-20	-22	-11

Table G.1-6-7-A. San Joaquin River at Brandt Bridge, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	778	984	991	994	993	978	639	579	627	650	645	650
1%	741	974	989	990	993	923	635	579	620	647	643	648
5%	694	792	887	845	832	829	630	574	616	643	639	642
10%	689	760	788	774	731	816	622	561	604	637	635	636
25%	672	737	742	718	711	788	610	535	589	617	619	625
50%	647	720	716	695	684	740	523	467	545	591	601	599
75%	590	688	672	626	411	361	323	323	457	552	567	578
99.9%	265	156	98	97	97	96	95	96	100	274	338	387

Table G.1-6-7-B. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	622	707	685	631	573	588	459	406	492	570	582	586
Wet Water Years	607	681	629	492	379	321	251	215	345	495	523	522
Above Normal Water Years	648	730	715	668	564	516	428	390	477	566	582	588
Below Normal Water Years	603	708	670	657	592	642	492	445	527	588	598	605
Dry Water Years	624	711	718	691	692	765	592	513	583	614	618	619
Critical Water Years	645	722	722	724	719	794	614	553	585	617	611	625

Table G.1-6-7-C. San Joaquin River at Brandt Bridge, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	8	1	0	0	0	1	0	-1	1	3	1	-4
1%	16	3	0	0	0	-3	0	0	2	1	1	0
5%	-5	-3	7	-8	-18	-3	-1	-1	2	-2	0	-1
10%	1	-7	-4	4	-7	-1	0	0	-5	-1	1	-1
25%	1	-2	3	0	-2	-3	0	0	-2	-1	-3	-2
50%	1	-1	3	2	-3	5	2	8	0	-4	-1	-5
75%	0	2	0	0	0	5	7	7	0	-3	-2	1
99.9%	1	0	0	0	0	0	0	0	-2	-1	-3	-1

Table G.1-6-7-D. San Joaquin River at Brandt Bridge, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0	0	-1	1	-4	-1	2	3	2	-1	-3	-2
Wet Water Years	0	0	-2	-1	-5	1	2	2	4	3	0	0
Above Normal Water Years	-2	-3	-2	9	1	1	1	4	4	3	2	0
Below Normal Water Years	2	1	-1	-1	-5	-1	5	9	7	4	0	-2
Dry Water Years	0	1	0	1	-4	-2	2	3	2	1	2	1
Critical Water Years	0	0	1	1	-3	-2	-1	0	-11	-20	-22	-11

Table G.1-6-8-A. San Joaquin River at Brandt Bridge, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	778	984	991	994	993	978	639	579	627	650	645	650
1%	741	974	989	990	993	923	635	579	620	647	643	648
5%	694	792	887	845	832	829	630	574	616	643	639	642
10%	689	760	788	774	731	816	622	561	604	637	635	636
25%	672	737	742	718	711	788	610	535	589	617	619	625
50%	647	720	716	695	684	740	523	467	545	591	601	599
75%	590	688	672	626	411	361	323	323	457	552	567	578
99.9%	265	156	98	97	97	96	95	96	100	274	338	387

Table G.1-6-8-B. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	622	707	685	631	573	588	459	406	492	570	582	586
Wet Water Years	606	681	628	492	378	318	250	215	345	495	523	522
Above Normal Water Years	648	730	714	665	562	515	428	390	477	566	581	587
Below Normal Water Years	601	709	671	657	592	641	491	444	526	587	597	603
Dry Water Years	624	711	720	692	692	763	592	512	582	613	615	617
Critical Water Years	647	723	722	724	719	793	614	553	589	625	619	629

Table G.1-6-8-C. San Joaquin River at Brandt Bridge, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	8	1	0	0	0	1	0	-1	1	3	1	-4
1%	16	3	0	0	0	-3	0	0	2	1	1	0
5%	-5	-3	7	-8	-18	-3	-1	-1	2	-2	0	-1
10%	1	-7	-4	4	-7	-1	0	0	-5	-1	1	-1
25%	1	-2	3	0	-2	-3	0	0	-2	-1	-3	-2
50%	1	-1	3	2	-3	5	2	8	0	-4	-1	-5
75%	0	2	0	0	0	5	7	7	0	-3	-2	1
99.9%	1	0	0	0	0	0	0	0	-2	-1	-3	-1

Table G.1-6-8-D. San Joaquin River at Brandt Bridge, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0	0	-1	1	-4	-1	2	3	2	-1	-3	-2
Wet Water Years	-1	0	-2	0	-6	-2	1	2	4	3	0	-1
Above Normal Water Years	-3	-3	-3	6	-1	0	0	4	4	3	1	0
Below Normal Water Years	0	2	0	-2	-5	-2	5	8	6	3	-1	-3
Dry Water Years	0	1	2	1	-4	-3	2	3	2	1	-1	0
Critical Water Years	1	0	0	1	-3	-3	-1	0	-7	-12	-14	-7

Table G.1-7-1-A. Old River near Middle River, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	773	986	993	998	995	985	636	579	629	651	645	656
1%	727	973	991	997	995	932	633	578	622	651	645	652
5%	703	800	884	856	856	834	629	575	618	649	642	645
10%	691	768	792	775	744	822	621	560	612	646	637	639
25%	673	742	739	720	719	796	609	535	594	634	624	628
50%	648	724	715	696	692	739	521	459	548	598	603	605
75%	591	691	676	629	414	358	317	317	461	557	569	578
99.9%	264	157	99	99	99	97	96	96	103	277	342	390

Table G.1-7-1-B. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	624	710	687	633	580	593	457	403	493	575	586	589
Wet Water Years	609	685	632	494	387	322	250	214	343	493	524	523
Above Normal Water Years	653	737	717	661	566	519	428	387	476	565	581	589
Below Normal Water Years	603	710	673	662	600	648	486	436	522	586	599	607
Dry Water Years	625	713	722	694	700	771	588	509	584	621	619	619
Critical Water Years	647	726	723	725	727	801	613	554	600	642	636	639

Table G.1-7-2-A. Old River near Middle River, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	787	985	993	995	996	949	641	587	629	652	645	659
1%	773	940	983	976	995	916	641	586	626	651	643	655
5%	722	799	902	865	868	831	633	576	613	643	637	642
10%	703	785	784	779	750	820	625	565	603	641	631	634
25%	687	753	741	720	718	792	590	507	586	628	617	625
50%	667	734	714	694	680	729	526	441	531	586	596	598
75%	608	701	669	621	438	369	321	316	445	544	561	576
99.9%	263	157	99	99	99	97	96	96	102	278	340	389

Table G.1-7-2-B. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	639	718	687	630	577	590	449	395	485	568	581	586
Wet Water Years	621	691	633	496	385	325	253	214	336	490	524	523
Above Normal Water Years	668	743	711	650	570	521	426	385	471	559	573	581
Below Normal Water Years	618	717	672	658	595	644	472	421	512	578	592	605
Dry Water Years	641	723	721	690	696	764	568	487	571	611	613	617
Critical Water Years	664	739	728	726	722	793	609	550	597	637	630	633

Table G.1-7-2-C. Old River near Middle River, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	14	-1	0	-3	0	-36	5	8	-1	1	-1	3
1%	46	-33	-8	-21	0	-16	8	8	3	0	-3	3
5%	19	-2	18	9	12	-2	3	1	-5	-6	-4	-3
10%	13	16	-8	4	6	-2	5	5	-9	-5	-6	-5
25%	14	10	2	1	-1	-4	-19	-28	-8	-7	-8	-3
50%	19	10	-1	-2	-12	-10	5	-18	-17	-12	-7	-7
75%	16	10	-7	-8	24	10	4	-1	-16	-13	-9	-2
99.9%	-1	0	0	0	0	0	0	0	-1	1	-2	-1

Table G.1-7-2-D. Old River near Middle River, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	15	8	0	-3	-3	-3	-7	-9	-8	-7	-5	-3
Wet Water Years	12	7	2	1	-2	3	3	0	-7	-4	0	-1
Above Normal Water Years	16	6	-6	-11	4	3	-2	-2	-5	-6	-8	-8
Below Normal Water Years	15	6	-1	-3	-5	-4	-14	-16	-10	-8	-7	-3
Dry Water Years	16	10	0	-4	-5	-7	-20	-22	-13	-10	-7	-2
Critical Water Years	17	13	5	0	-6	-8	-4	-3	-3	-5	-6	-6

Table G.1-7-3-A. Old River near Middle River, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 With TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	773	987	993	998	995	985	636	578	630	653	646	651
1%	744	976	991	997	995	927	635	578	623	652	646	651
5%	697	796	894	856	837	830	628	575	619	649	642	645
10%	690	760	790	776	737	820	620	560	608	645	638	635
25%	672	742	739	720	714	793	609	535	593	626	623	628
50%	649	723	718	698	688	736	522	466	550	596	602	602
75%	591	692	675	630	414	354	324	325	460	556	568	579
99.9%	265	157	99	99	99	97	96	96	101	276	339	389

Table G.1-7-3-B. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 With TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	624	710	686	633	576	591	458	407	495	575	584	587
Wet Water Years	608	684	629	494	381	321	251	216	347	497	524	523
Above Normal Water Years	650	733	714	667	565	518	429	391	480	568	582	588
Below Normal Water Years	604	711	672	660	595	646	491	445	529	589	598	605
Dry Water Years	626	714	722	695	696	769	590	512	586	623	620	619
Critical Water Years	647	727	725	727	724	798	612	553	593	630	622	631

Table G.1-7-3-C. Old River near Middle River, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	-1	0	0	0	2	1	-5
1%	17	3	0	0	0	-5	2	0	1	0	0	-1
5%	-6	-4	10	0	-19	-4	-1	-1	1	0	0	0
10%	0	-9	-2	1	-7	-2	-1	-1	-4	0	1	-4
25%	-1	0	1	1	-5	-3	0	0	-1	-9	-1	0
50%	0	-1	2	2	-4	-3	1	7	2	-2	-1	-3
75%	0	1	0	1	0	-4	7	7	0	-1	-2	1
99.9%	1	0	0	0	0	0	0	0	-2	-1	-3	-1

Table G.1-7-3-D. Old River near Middle River, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	-1	1	-4	-2	2	3	2	0	-2	-2
Wet Water Years	-1	0	-3	-1	-6	-2	1	2	4	3	0	0
Above Normal Water Years	-3	-3	-2	6	-1	0	0	4	4	2	1	-1
Below Normal Water Years	1	1	-1	-2	-5	-2	5	8	6	3	0	-2
Dry Water Years	1	1	0	1	-4	-3	3	3	2	2	1	1
Critical Water Years	0	2	2	2	-3	-3	-1	0	-7	-12	-14	-9

Table G.1-7-4-A. Old River near Middle River, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	773	987	993	998	995	985	636	578	630	653	646	650
1%	744	976	991	997	995	927	635	578	623	652	645	650
5%	702	802	894	848	837	830	628	574	619	649	642	645
10%	691	762	790	779	737	820	620	560	608	644	638	637
25%	674	742	741	720	714	793	609	536	593	622	621	627
50%	649	722	716	698	688	744	522	467	548	594	602	601
75%	591	692	674	630	414	363	324	325	460	554	567	579
99.9%	265	157	99	99	99	97	96	96	101	276	339	389

Table G.1-7-4-B. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	624	710	686	634	576	592	459	407	494	574	583	587
Wet Water Years	609	685	629	494	381	324	252	216	347	497	524	523
Above Normal Water Years	649	733	715	669	567	519	429	391	480	568	582	589
Below Normal Water Years	604	712	673	661	595	646	491	445	529	590	599	606
Dry Water Years	626	714	721	694	696	769	590	512	586	623	621	620
Critical Water Years	647	725	723	726	724	798	612	553	589	622	614	628

Table G.1-7-4-C. Old River near Middle River, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	-1	0	-1	0	2	1	-6
1%	17	3	0	0	0	-5	2	0	1	1	0	-2
5%	-1	1	10	-8	-19	-4	-1	-1	1	-1	0	0
10%	1	-7	-2	3	-7	-2	-1	-1	-4	-2	1	-2
25%	1	-1	2	1	-5	-3	0	0	-1	-13	-3	-1
50%	1	-1	1	2	-4	5	0	8	1	-4	-1	-4
75%	0	1	-2	1	0	5	7	7	0	-2	-2	1
99.9%	1	0	0	0	0	0	0	0	-2	-1	-3	-1

Table G.1-7-4-D. Old River near Middle River, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	-1	1	-4	-1	2	3	2	-1	-3	-2
Wet Water Years	0	0	-2	-1	-5	1	2	2	4	3	0	0
Above Normal Water Years	-4	-3	-2	9	1	1	1	4	4	3	1	0
Below Normal Water Years	2	2	0	-1	-5	-2	5	9	7	4	0	-1
Dry Water Years	0	0	0	1	-4	-3	3	3	2	2	1	1
Critical Water Years	0	0	0	1	-3	-3	-1	0	-11	-20	-23	-11

Table G.1-7-5-A. Old River near Middle River, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Delta VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	782	987	993	998	995	985	636	578	630	655	646	650
1%	744	977	991	997	995	928	635	578	623	652	645	650
5%	697	803	890	847	837	832	628	574	619	648	642	645
10%	690	759	789	779	737	821	620	560	608	644	639	635
25%	674	742	740	720	715	794	609	536	593	622	621	627
50%	648	723	716	698	688	745	522	467	548	594	602	601
75%	591	692	675	629	414	363	324	325	461	554	567	579
99.9%	265	157	99	99	99	97	96	96	101	276	339	389

Table G.1-7-5-B. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Delta VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	624	710	686	634	576	592	459	407	494	574	583	587
Wet Water Years	608	685	629	494	381	323	252	216	347	497	524	523
Above Normal Water Years	651	734	715	669	567	520	429	391	480	568	582	589
Below Normal Water Years	605	711	672	660	595	646	491	445	529	590	599	606
Dry Water Years	626	714	722	695	696	769	590	512	586	623	621	620
Critical Water Years	647	725	723	726	724	799	612	553	589	622	613	628

Table G.1-7-5-C. Old River near Middle River, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	9	0	0	0	0	0	0	-1	1	3	1	-6
1%	17	3	0	0	0	-5	2	0	1	1	0	-1
5%	-6	3	7	-9	-19	-2	-1	-1	1	-1	0	0
10%	0	-9	-3	3	-7	-1	-1	0	-4	-2	2	-4
25%	1	0	1	1	-4	-2	0	1	-1	-13	-3	-1
50%	0	-1	1	2	-3	6	1	8	1	-4	-1	-5
75%	0	1	0	0	0	5	7	7	0	-3	-2	1
99.9%	1	0	0	0	0	0	0	0	-2	-1	-3	-1

Table G.1-7-5-D. Old River near Middle River, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	-1	1	-4	-1	2	4	2	-1	-3	-2
Wet Water Years	0	0	-2	-1	-5	1	2	2	4	3	0	0
Above Normal Water Years	-2	-3	-2	9	1	1	1	4	4	2	1	0
Below Normal Water Years	2	1	-1	-1	-5	-1	5	9	7	4	0	-2
Dry Water Years	0	1	0	1	-4	-2	3	3	2	2	1	1
Critical Water Years	0	0	1	1	-3	-2	-1	0	-11	-20	-23	-12

Table G.1-7-6-A. Old River near Middle River, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	781	987	993	998	995	985	636	578	631	659	646	652
1%	744	976	991	997	995	928	635	578	624	653	645	650
5%	696	796	891	848	837	831	628	574	621	648	642	645
10%	692	763	788	779	737	821	620	560	608	644	639	638
25%	675	741	741	720	715	794	609	535	592	621	621	626
50%	649	723	718	699	688	743	523	467	548	594	602	600
75%	591	692	675	629	414	363	324	324	461	554	567	579
99.9%	265	157	99	99	99	97	96	96	101	276	339	389

Table G.1-7-6-B. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	624	710	686	634	576	592	459	407	494	574	583	587
Wet Water Years	608	685	629	494	381	323	252	216	347	497	524	523
Above Normal Water Years	649	733	715	669	567	520	429	391	480	567	582	589
Below Normal Water Years	605	711	672	660	596	646	491	445	529	590	599	606
Dry Water Years	627	716	723	695	696	769	590	512	586	623	620	620
Critical Water Years	648	725	723	726	724	799	612	553	589	622	613	628

Table G.1-7-6-C. Old River near Middle River, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	8	0	0	0	0	0	0	-1	1	7	1	-5
1%	16	3	0	0	0	-4	2	0	2	1	0	-1
5%	-7	-5	7	-8	-19	-2	-1	-1	3	-1	0	0
10%	1	-5	-4	3	-7	-1	-1	-1	-4	-2	2	-1
25%	2	-2	3	1	-4	-2	0	0	-2	-13	-3	-2
50%	1	-1	2	3	-3	4	1	8	0	-4	-1	-5
75%	0	1	-1	0	0	5	7	7	0	-3	-2	1
99.9%	1	0	0	0	0	0	0	0	-2	-1	-3	-1

Table G.1-7-6-D. Old River near Middle River, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	-1	1	-4	-1	2	3	2	-1	-3	-2
Wet Water Years	0	0	-3	-1	-5	1	2	2	4	3	0	0
Above Normal Water Years	-4	-4	-2	9	1	1	1	4	4	2	1	0
Below Normal Water Years	2	1	-1	-2	-4	-1	5	9	7	4	0	-2
Dry Water Years	1	2	1	1	-4	-2	3	3	2	2	1	1
Critical Water Years	0	0	0	1	-3	-2	-1	0	-11	-20	-23	-11

Table G.1-7-7-A. Old River near Middle River, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	781	987	993	998	995	985	636	578	631	659	646	652
1%	744	976	991	997	995	928	635	578	624	653	645	650
5%	696	796	891	848	837	831	628	574	621	648	642	645
10%	692	763	788	779	737	821	620	560	608	644	639	638
25%	675	741	741	720	715	794	609	535	592	621	621	626
50%	649	723	718	699	688	743	523	467	548	594	602	600
75%	591	692	675	629	414	363	324	324	461	554	567	579
99.9%	265	157	99	99	99	97	96	96	101	276	339	389

Table G.1-7-7-B. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	624	710	686	634	576	592	459	407	494	574	583	587
Wet Water Years	608	685	629	494	381	323	252	216	347	497	524	523
Above Normal Water Years	651	734	715	669	567	520	429	391	480	568	582	589
Below Normal Water Years	605	711	672	660	595	646	491	445	529	590	599	606
Dry Water Years	626	714	722	695	696	769	590	512	586	623	621	620
Critical Water Years	647	725	723	726	724	799	612	553	589	622	613	628

Table G.1-7-7-C. Old River near Middle River, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	8	0	0	0	0	0	0	-1	1	7	1	-5
1%	16	3	0	0	0	-4	2	0	2	1	0	-1
5%	-7	-5	7	-8	-19	-2	-1	-1	3	-1	0	0
10%	1	-5	-4	3	-7	-1	-1	-1	-4	-2	2	-1
25%	2	-2	3	1	-4	-2	0	0	-2	-13	-3	-2
50%	1	-1	2	3	-3	4	1	8	0	-4	-1	-5
75%	0	1	-1	0	0	5	7	7	0	-3	-2	1
99.9%	1	0	0	0	0	0	0	0	-2	-1	-3	-1

Table G.1-7-7-D. Old River near Middle River, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0	0	-1	1	-4	-1	2	3	2	-1	-3	-2
Wet Water Years	0	0	-2	-1	-5	1	2	2	4	3	0	0
Above Normal Water Years	-2	-3	-2	9	1	1	1	4	4	2	1	0
Below Normal Water Years	2	1	-1	-1	-5	-1	5	9	7	4	0	-2
Dry Water Years	0	1	0	1	-4	-2	3	3	2	2	1	1
Critical Water Years	0	0	1	1	-3	-2	-1	0	-11	-20	-23	-12

Table G.1-7-8-A. Old River near Middle River, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	781	987	993	998	995	985	636	578	631	659	646	652
1%	744	976	991	997	995	928	635	578	624	653	645	650
5%	696	796	891	848	837	831	628	574	621	648	642	645
10%	692	763	788	779	737	821	620	560	608	644	639	638
25%	675	741	741	720	715	794	609	535	592	621	621	626
50%	649	723	718	699	688	743	523	467	548	594	602	600
75%	591	692	675	629	414	363	324	324	461	554	567	579
99.9%	265	157	99	99	99	97	96	96	101	276	339	389

Table G.1-7-8-B. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	624	710	686	634	576	592	459	407	494	574	583	587
Wet Water Years	608	685	629	494	381	321	251	216	347	497	524	523
Above Normal Water Years	650	733	715	667	565	518	429	391	480	568	582	588
Below Normal Water Years	603	712	673	660	595	646	491	444	528	589	598	604
Dry Water Years	626	714	722	694	696	768	590	512	586	622	620	619
Critical Water Years	649	726	723	726	724	798	612	553	593	630	622	632

Table G.1-7-8-C. Old River near Middle River, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	8	0	0	0	0	0	0	-1	1	7	1	-5
1%	16	3	0	0	0	-4	2	0	2	1	0	-1
5%	-7	-5	7	-8	-19	-2	-1	-1	3	-1	0	0
10%	1	-5	-4	3	-7	-1	-1	-1	-4	-2	2	-1
25%	2	-2	3	1	-4	-2	0	0	-2	-13	-3	-2
50%	1	-1	2	3	-3	4	1	8	0	-4	-1	-5
75%	0	1	-1	0	0	5	7	7	0	-3	-2	1
99.9%	1	0	0	0	0	0	0	0	-2	-1	-3	-1

Table G.1-7-8-D. Old River near Middle River, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0	0	-1	1	-4	-1	2	3	2	-1	-3	-2
Wet Water Years	0	0	-3	0	-6	-2	1	2	4	3	0	-1
Above Normal Water Years	-3	-3	-2	6	-1	0	0	4	4	3	1	0
Below Normal Water Years	1	2	0	-2	-5	-2	5	8	6	3	-1	-3
Dry Water Years	0	1	0	1	-4	-3	2	3	2	1	1	0
Critical Water Years	2	0	0	1	-4	-3	-1	0	-7	-12	-14	-7

Table G.1-8-1-A. Old River at Tracy Bridge, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	760	966	986	1023	1006	982	670	599	666	650	671	721
1%	720	955	983	1011	1005	934	662	599	655	625	659	673
5%	701	794	888	896	878	848	655	594	596	617	613	629
10%	681	756	801	797	783	833	649	580	588	605	605	613
25%	667	736	760	744	749	811	634	553	572	583	593	593
50%	646	715	729	712	724	752	539	476	526	548	535	554
75%	593	684	692	652	439	384	324	328	461	472	449	512
99.9%	272	167	110	106	106	107	101	98	107	280	344	384

Table G.1-8-1-B. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	622	704	701	656	608	610	476	416	482	523	521	548
Wet Water Years	607	682	648	518	409	340	261	222	345	496	532	528
Above Normal Water Years	648	729	730	688	596	542	443	398	480	569	565	549
Below Normal Water Years	601	706	687	686	634	665	507	449	522	571	538	553
Dry Water Years	624	707	731	717	730	786	613	525	555	472	435	526
Critical Water Years	647	714	736	744	757	815	642	572	571	552	574	608

Table G.1-8-2-A. Old River at Tracy Bridge, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	771	971	987	997	1004	950	673	607	610	634	622	608
1%	758	925	977	990	1003	919	668	607	602	626	613	607
5%	715	799	900	888	888	842	662	595	591	620	609	602
10%	689	777	793	801	784	829	651	585	577	610	601	599
25%	676	746	756	743	747	808	616	521	565	590	585	585
50%	655	725	733	708	711	750	544	454	532	550	534	557
75%	604	692	691	639	462	390	332	324	445	491	473	523
99.9%	271	168	110	106	106	105	101	98	106	281	341	391

Table G.1-8-2-B. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	631	712	701	653	605	607	468	407	478	531	523	548
Wet Water Years	618	689	650	519	406	342	263	222	338	492	533	529
Above Normal Water Years	652	733	724	676	599	545	441	396	476	566	589	583
Below Normal Water Years	611	713	686	681	628	661	493	433	514	587	560	567
Dry Water Years	636	717	731	713	724	779	593	502	564	527	460	537
Critical Water Years	653	726	741	744	751	807	636	569	556	513	503	545

Table G.1-8-2-C. Old River at Tracy Bridge, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	11	5	1	-26	-3	-32	3	8	-56	-16	-49	-113
1%	38	-30	-6	-21	-2	-15	5	8	-53	1	-47	-66
5%	14	5	11	-8	10	-5	6	1	-5	3	-3	-27
10%	8	21	-8	4	1	-4	2	5	-11	5	-3	-14
25%	8	10	-4	-1	-2	-3	-19	-32	-7	7	-8	-9
50%	9	10	4	-4	-13	-2	5	-21	6	2	-2	3
75%	11	8	-1	-13	23	6	8	-4	-16	19	24	11
99.9%	-1	1	0	0	0	-2	0	0	-1	1	-3	7

Table G.1-8-2-D. Old River at Tracy Bridge, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	9	8	0	-3	-4	-3	-8	-9	-4	8	2	0
Wet Water Years	11	7	2	1	-3	2	3	0	-7	-4	1	1
Above Normal Water Years	4	4	-6	-12	2	3	-2	-3	-4	-3	24	34
Below Normal Water Years	10	7	-1	-4	-6	-4	-14	-16	-8	16	22	14
Dry Water Years	12	10	0	-4	-5	-7	-20	-23	8	54	25	11
Critical Water Years	6	13	5	0	-6	-8	-5	-3	-15	-39	-71	-63

Table G.1-8-3-A. Old River at Tracy Bridge, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 With TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	760	967	986	1022	1006	982	668	599	640	660	654	650
1%	734	958	983	1010	1005	929	661	598	639	637	642	649
5%	700	790	898	894	861	842	657	593	593	616	613	634
10%	681	753	797	797	770	830	649	579	585	606	606	613
25%	667	736	757	746	747	807	635	552	563	589	590	594
50%	644	714	733	715	721	751	543	482	530	548	538	558
75%	593	687	692	648	439	381	332	333	461	471	459	519
99.9%	272	168	109	106	106	107	101	98	105	279	342	390

Table G.1-8-3-B. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 With TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	622	704	700	657	605	608	477	419	482	523	523	550
Wet Water Years	607	682	645	518	403	338	262	224	349	499	531	527
Above Normal Water Years	645	727	727	694	596	542	444	402	483	570	566	561
Below Normal Water Years	602	708	687	684	630	663	512	457	523	565	539	556
Dry Water Years	624	708	731	718	726	783	615	528	547	472	448	534
Critical Water Years	646	715	738	746	754	812	640	572	570	553	566	599

Table G.1-8-3-C. Old River at Tracy Bridge, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	-1	1	0	-1	0	-1	-1	0	-26	10	-18	-71
1%	15	3	0	-1	0	-5	-1	0	-16	12	-17	-24
5%	-2	-4	9	-2	-17	-5	2	-1	-3	-1	0	5
10%	-1	-3	-3	0	-13	-3	0	-1	-3	1	2	-1
25%	-1	0	-3	2	-2	-4	0	-1	-9	6	-3	1
50%	-2	-1	3	3	-3	-2	4	7	4	-1	2	4
75%	0	3	0	-4	0	-3	8	5	0	-2	10	7
99.9%	1	0	0	0	0	0	0	0	-2	-1	-2	6

Table G.1-8-3-D. Old River at Tracy Bridge, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	-1	0	-1	1	-4	-2	1	3	0	0	2	2
Wet Water Years	-1	0	-3	-1	-6	-2	1	2	4	3	0	-1
Above Normal Water Years	-3	-2	-3	6	-1	0	0	4	3	1	1	12
Below Normal Water Years	1	1	-1	-2	-4	-2	5	8	1	-5	1	3
Dry Water Years	0	1	0	1	-3	-3	2	3	-8	-1	13	8
Critical Water Years	-1	1	2	2	-3	-2	-1	-1	-1	1	-8	-9

Table G.1-8-4-A. Old River at Tracy Bridge, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	760	967	986	1022	1006	982	667	598	594	623	616	618
1%	734	958	983	1010	1005	929	660	598	593	619	613	613
5%	699	795	898	897	861	842	656	593	585	610	606	603
10%	679	752	797	808	778	830	648	579	583	604	602	599
25%	666	736	755	747	746	807	635	552	560	578	585	582
50%	644	712	731	714	721	758	543	484	528	530	515	543
75%	593	687	692	653	439	384	332	333	461	456	453	514
99.9%	272	168	109	106	106	107	101	98	105	279	342	390

Table G.1-8-4-B. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	620	704	700	657	605	609	478	420	479	515	511	540
Wet Water Years	607	682	646	518	404	341	263	224	349	499	531	527
Above Normal Water Years	645	727	728	696	598	543	444	402	483	570	566	561
Below Normal Water Years	599	708	687	684	630	663	512	457	523	566	531	552
Dry Water Years	623	707	731	718	726	783	615	528	547	470	447	533
Critical Water Years	642	713	736	745	754	812	640	572	550	506	500	539

Table G.1-8-4-C. Old River at Tracy Bridge, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	-1	0	-1	-2	-1	-72	-27	-55	-103
1%	15	3	0	-1	0	-5	-2	-1	-61	-6	-47	-60
5%	-2	1	10	1	-17	-5	1	-1	-11	-7	-7	-26
10%	-3	-3	-3	11	-5	-3	-1	-1	-6	-1	-3	-15
25%	-2	0	-5	3	-3	-4	0	-1	-12	-5	-8	-12
50%	-2	-3	2	2	-3	6	4	8	3	-18	-20	-11
75%	0	3	0	1	0	0	8	5	0	-16	4	2
99.9%	1	0	0	0	0	0	0	0	-2	-1	-2	7

Table G.1-8-4-D. Old River at Tracy Bridge, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	-2	0	-1	1	-3	-1	2	3	-4	-8	-10	-8
Wet Water Years	0	0	-2	-1	-5	1	2	2	4	3	0	0
Above Normal Water Years	-4	-2	-3	8	1	1	0	4	3	1	1	12
Below Normal Water Years	-2	1	0	-1	-4	-2	5	8	1	-5	-7	-1
Dry Water Years	-1	0	0	1	-3	-3	2	3	-9	-3	12	7
Critical Water Years	-5	-1	0	1	-3	-2	-2	-1	-21	-46	-74	-70

Table G.1-8-5-A. Old River at Tracy Bridge, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Delta VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	767	967	987	1022	1006	982	667	598	597	623	616	618
1%	734	958	983	1010	1005	929	660	598	595	621	613	613
5%	698	794	895	897	861	844	657	593	586	616	607	603
10%	679	752	797	806	778	831	648	579	583	606	601	598
25%	665	736	757	747	746	809	634	553	562	579	586	583
50%	644	713	731	715	721	759	544	484	528	533	516	543
75%	593	687	692	653	439	384	332	333	461	458	457	516
99.9%	272	168	109	106	106	107	101	98	105	279	343	390

Table G.1-8-5-B. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Delta VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	621	704	700	657	605	609	478	420	480	517	514	541
Wet Water Years	607	682	646	518	404	341	263	224	349	499	531	527
Above Normal Water Years	646	728	728	696	598	543	444	402	483	570	568	560
Below Normal Water Years	600	708	687	684	630	663	512	457	523	565	540	555
Dry Water Years	623	707	731	718	726	784	615	528	548	475	450	537
Critical Water Years	642	713	736	746	754	813	639	572	553	510	503	541

Table G.1-8-5-C. Old River at Tracy Bridge, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	7	1	0	-1	0	-1	-2	-1	-69	-27	-56	-103
1%	15	3	0	-1	0	-5	-2	-1	-60	-4	-46	-61
5%	-4	0	6	1	-17	-4	1	-1	-10	-2	-6	-26
10%	-2	-3	-3	8	-5	-2	-1	-1	-6	1	-3	-15
25%	-2	0	-2	3	-3	-3	0	1	-10	-4	-7	-11
50%	-2	-3	2	3	-3	7	5	8	3	-15	-19	-11
75%	0	3	0	1	0	0	8	5	0	-14	8	4
99.9%	1	0	0	0	0	0	0	0	-2	-1	-1	6

Table G.1-8-5-D. Old River at Tracy Bridge, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	-1	0	-1	1	-3	-1	2	3	-3	-6	-7	-7
Wet Water Years	0	0	-2	-1	-5	1	2	2	4	3	0	-1
Above Normal Water Years	-2	-1	-2	9	1	1	1	4	3	1	2	10
Below Normal Water Years	-1	1	-1	-1	-4	-1	5	8	2	-6	2	2
Dry Water Years	0	0	0	1	-3	-2	3	3	-7	2	15	11
Critical Water Years	-5	0	0	1	-3	-2	-2	-1	-18	-42	-71	-68

Table G.1-8-6-A. Old River at Tracy Bridge, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	767	967	987	1022	1006	982	667	598	601	624	615	619
1%	734	958	983	1011	1005	930	660	598	595	624	612	613
5%	693	788	895	894	861	844	657	593	586	615	607	606
10%	677	753	797	804	778	831	648	579	582	607	601	599
25%	665	736	759	745	746	808	634	553	560	585	585	581
50%	644	714	731	715	721	759	544	484	527	540	530	546
75%	593	687	692	653	439	384	332	333	461	463	459	519
99.9%	272	168	109	106	106	107	101	98	105	279	343	390

Table G.1-8-6-B. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	621	704	700	657	605	609	478	420	479	518	517	542
Wet Water Years	607	682	646	518	404	340	263	224	349	499	531	527
Above Normal Water Years	645	727	727	696	598	543	444	402	483	573	575	563
Below Normal Water Years	600	707	687	684	630	663	512	457	523	574	550	558
Dry Water Years	624	709	733	719	726	784	615	528	548	478	455	538
Critical Water Years	643	714	736	746	754	813	639	572	548	500	497	537

Table G.1-8-6-C. Old River at Tracy Bridge, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	7	1	0	-1	0	-1	-2	-1	-65	-25	-56	-102
1%	15	3	0	0	0	-4	-3	-1	-60	-2	-47	-61
5%	-9	-6	7	-2	-17	-4	2	-1	-10	-2	-5	-23
10%	-5	-3	-4	7	-5	-2	-1	-1	-6	3	-3	-15
25%	-2	-1	-1	1	-3	-3	0	0	-12	3	-8	-13
50%	-2	-1	2	3	-3	7	5	8	2	-8	-6	-8
75%	0	4	0	1	0	0	8	5	0	-9	10	7
99.9%	1	0	0	0	0	0	0	0	-2	-1	-1	6

Table G.1-8-6-D. Old River at Tracy Bridge, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	-2	0	-1	1	-3	-1	2	3	-4	-5	-4	-6
Wet Water Years	-1	0	-2	-1	-5	1	2	2	4	3	0	-1
Above Normal Water Years	-3	-2	-3	9	1	1	1	4	3	4	10	13
Below Normal Water Years	-1	1	-1	-1	-4	-1	5	8	1	3	12	5
Dry Water Years	0	2	1	2	-4	-2	2	3	-7	6	20	12
Critical Water Years	-4	0	0	1	-3	-2	-2	-1	-22	-52	-77	-71

Table G.1-8-7-A. Old River at Tracy Bridge, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	767	967	987	1022	1006	982	667	598	601	624	615	619
1%	734	958	983	1011	1005	930	660	598	595	624	612	613
5%	693	788	895	894	861	844	657	593	586	615	607	606
10%	677	753	797	804	778	831	648	579	582	607	601	599
25%	665	736	759	745	746	808	634	553	560	585	585	581
50%	644	714	731	715	721	759	544	484	527	540	530	546
75%	593	687	692	653	439	384	332	333	461	463	459	519
99.9%	272	168	109	106	106	107	101	98	105	279	343	390

Table G.1-8-7-B. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	621	704	700	657	605	609	478	420	479	518	517	542
Wet Water Years	607	682	646	518	404	341	263	224	349	499	531	527
Above Normal Water Years	646	728	728	696	598	543	444	402	483	570	568	560
Below Normal Water Years	600	708	687	684	630	663	512	457	523	565	540	555
Dry Water Years	623	707	731	718	726	784	615	528	548	475	450	537
Critical Water Years	642	713	736	746	754	813	639	572	553	510	503	541

Table G.1-8-7-C. Old River at Tracy Bridge, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	7	1	0	-1	0	-1	-2	-1	-65	-25	-56	-102
1%	15	3	0	0	0	-4	-3	-1	-60	-2	-47	-61
5%	-9	-6	7	-2	-17	-4	2	-1	-10	-2	-5	-23
10%	-5	-3	-4	7	-5	-2	-1	-1	-6	3	-3	-15
25%	-2	-1	-1	1	-3	-3	0	0	-12	3	-8	-13
50%	-2	-1	2	3	-3	7	5	8	2	-8	-6	-8
75%	0	4	0	1	0	0	8	5	0	-9	10	7
99.9%	1	0	0	0	0	0	0	0	-2	-1	-1	6

Table G.1-8-7-D. Old River at Tracy Bridge, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	-2	0	-1	1	-3	-1	2	3	-4	-5	-4	-6
Wet Water Years	0	0	-2	-1	-5	1	2	2	4	3	0	-1
Above Normal Water Years	-2	-1	-2	9	1	1	1	4	3	1	2	10
Below Normal Water Years	-1	1	-1	-1	-4	-1	5	8	2	-6	2	2
Dry Water Years	0	0	0	1	-3	-2	3	3	-7	2	15	11
Critical Water Years	-5	0	0	1	-3	-2	-2	-1	-18	-42	-71	-68

Table G.1-8-8-A. Old River at Tracy Bridge, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	767	967	987	1022	1006	982	667	598	601	624	615	619
1%	734	958	983	1011	1005	930	660	598	595	624	612	613
5%	693	788	895	894	861	844	657	593	586	615	607	606
10%	677	753	797	804	778	831	648	579	582	607	601	599
25%	665	736	759	745	746	808	634	553	560	585	585	581
50%	644	714	731	715	721	759	544	484	527	540	530	546
75%	593	687	692	653	439	384	332	333	461	463	459	519
99.9%	272	168	109	106	106	107	101	98	105	279	343	390

Table G.1-8-8-B. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	621	704	700	657	605	609	478	420	479	518	517	542
Wet Water Years	607	682	645	518	403	338	262	224	349	499	531	527
Above Normal Water Years	646	727	728	694	595	541	444	402	483	570	564	561
Below Normal Water Years	601	708	688	684	629	662	511	456	523	569	543	555
Dry Water Years	624	708	731	718	726	782	614	528	548	471	444	534
Critical Water Years	648	716	737	745	753	812	640	572	569	555	568	599

Table G.1-8-8-C. Old River at Tracy Bridge, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	7	1	0	-1	0	-1	-2	-1	-65	-25	-56	-102
1%	15	3	0	0	0	-4	-3	-1	-60	-2	-47	-61
5%	-9	-6	7	-2	-17	-4	2	-1	-10	-2	-5	-23
10%	-5	-3	-4	7	-5	-2	-1	-1	-6	3	-3	-15
25%	-2	-1	-1	1	-3	-3	0	0	-12	3	-8	-13
50%	-2	-1	2	3	-3	7	5	8	2	-8	-6	-8
75%	0	4	0	1	0	0	8	5	0	-9	10	7
99.9%	1	0	0	0	0	0	0	0	-2	-1	-1	6

Table G.1-8-8-D. Old River at Tracy Bridge, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	-2	0	-1	1	-3	-1	2	3	-4	-5	-4	-6
Wet Water Years	0	0	-2	0	-6	-2	1	2	4	3	0	0
Above Normal Water Years	-3	-2	-2	6	-1	-1	0	4	3	1	-1	11
Below Normal Water Years	0	2	0	-2	-5	-2	4	7	1	-2	5	2
Dry Water Years	0	1	0	1	-4	-3	2	3	-7	-2	9	8
Critical Water Years	1	2	1	1	-4	-3	-2	-1	-2	4	-6	-9

Table G.1-9-1-A. Sacramento River at Emmaton, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	4182	4410	3221	2371	1353	1367	2586	3083	3081	3680	4117	3710
1%	3999	4349	2962	2292	1325	887	2129	2948	3076	3443	3668	3668
5%	3758	3745	2384	1949	668	525	1262	2011	2771	3259	3421	3432
10%	3634	3517	1944	1284	485	423	721	1237	2283	2572	3111	3342
25%	2958	2656	1468	684	268	213	300	418	692	968	1922	2782
50%	2189	1153	684	250	194	193	203	245	489	519	997	1926
75%	400	848	246	184	181	182	186	194	319	342	588	424
99.9%	187	179	177	176	177	177	176	172	175	203	302	213

Table G.1-9-1-B. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	1772	1737	939	537	278	251	358	491	750	921	1413	1739
Wet Water Years	1361	1100	306	187	180	182	185	202	300	331	566	401
Above Normal Water Years	1753	1701	764	322	189	184	193	230	369	337	566	420
Below Normal Water Years	1362	1511	1017	386	233	202	234	279	560	596	1159	2098
Dry Water Years	1929	2015	1261	747	304	248	270	356	604	940	1864	2702
Critical Water Years	2733	2719	1632	1194	540	488	1076	1668	2305	2802	3246	3388

Table G.1-9-2-A. Sacramento River at Emmaton, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	4004	4550	2932	3074	1306	936	1024	1895	2908	2440	2907	3528
1%	3697	4362	2877	2478	1104	884	929	1836	2757	2374	2905	3501
5%	3592	3884	2796	2114	889	590	735	1394	2241	2270	2780	3282
10%	3411	3355	2676	1749	536	442	464	914	1066	1621	2692	3204
25%	2743	2731	2081	1218	322	223	313	434	657	988	1987	2833
50%	2203	2278	1110	302	195	194	204	271	417	576	1036	1989
75%	1577	1448	262	184	181	182	185	191	288	382	897	1237
99.9%	197	179	176	176	177	177	176	172	175	202	303	223

Table G.1-9-2-B. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	2185	2113	1204	698	310	254	285	419	613	797	1464	2048
Wet Water Years	1821	1491	370	198	180	182	186	208	257	350	854	1278
Above Normal Water Years	2160	2135	939	344	192	185	193	243	298	372	876	1404
Below Normal Water Years	1989	1851	1407	552	267	209	241	314	432	598	1178	1811
Dry Water Years	2364	2435	1718	1074	366	268	281	375	613	953	1904	2703
Critical Water Years	2798	2995	1896	1481	603	468	592	1125	1719	1942	2708	3242

Table G.1-9-2-C. Sacramento River at Emmaton, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	-178	141	-289	703	-47	-431	-1562	-1188	-173	-1240	-1210	-182
1%	-302	13	-85	186	-221	-3	-1200	-1112	-318	-1069	-763	-167
5%	-166	139	412	165	221	65	-526	-617	-530	-989	-641	-150
10%	-223	-162	732	466	51	19	-257	-323	-1217	-951	-419	-138
25%	-215	74	614	534	54	10	14	16	-35	20	64	51
50%	15	1125	426	52	1	1	0	25	-72	57	39	63
75%	1177	601	16	0	0	0	-2	-3	-30	40	309	812
99.9%	10	0	0	0	0	0	0	0	-1	-1	1	10

Table G.1-9-2-D. Sacramento River at Emmaton, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	414	376	265	160	31	3	-73	-73	-137	-124	51	308
Wet Water Years	461	391	64	11	0	0	1	6	-43	19	288	877
Above Normal Water Years	407	435	176	21	3	1	0	13	-72	34	310	984
Below Normal Water Years	627	340	391	166	34	7	7	35	-128	2	19	-288
Dry Water Years	435	420	457	327	61	19	11	18	9	13	40	1
Critical Water Years	66	276	264	287	63	-20	-483	-543	-586	-860	-538	-146

Table G.1-9-3-A. Sacramento River at Emmaton, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 With TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	4201	4143	3456	2475	1362	1276	2502	2781	3130	3462	3563	3751
1%	4127	4042	3305	2265	1027	857	2142	2734	2957	3408	3535	3607
5%	3763	3630	2311	1353	723	520	1159	2152	2789	3210	3459	3480
10%	3566	3300	1981	1238	448	428	527	1128	2467	2877	3110	3358
25%	2918	2799	1452	664	257	213	307	440	700	1035	2112	2944
50%	2156	1132	632	251	193	193	203	272	479	568	1028	2071
75%	397	794	240	184	181	182	185	192	312	374	622	428
99.9%	191	179	177	176	177	177	176	172	175	203	304	223

Table G.1-9-3-B. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 With TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	1774	1696	940	499	270	252	352	491	750	935	1439	1752
Wet Water Years	1332	1099	299	185	180	182	185	208	299	341	601	412
Above Normal Water Years	1788	1515	720	322	189	184	193	242	365	359	600	423
Below Normal Water Years	1357	1478	1044	390	231	201	237	315	568	597	1108	2090
Dry Water Years	1939	2000	1278	706	290	247	275	374	637	998	1964	2760
Critical Water Years	2754	2690	1633	1015	514	500	1027	1579	2250	2761	3221	3368

Table G.1-9-3-C. Sacramento River at Emmaton, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	19	-266	235	104	9	-91	-84	-302	48	-218	-554	41
1%	128	-307	343	-28	-298	-30	12	-214	-119	-35	-133	-61
5%	5	-115	-73	-596	55	-6	-103	141	17	-49	37	48
10%	-69	-217	37	-46	-37	4	-194	-109	185	305	-1	16
25%	-40	143	-16	-19	-11	0	7	22	9	67	189	162
50%	-33	-21	-51	0	-1	0	0	27	-10	49	31	145
75%	-3	-54	-7	-1	0	0	-1	-2	-7	32	34	3
99.9%	5	0	0	0	0	0	0	0	0	0	3	10

Table G.1-9-3-D. Sacramento River at Emmaton, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	2	-40	1	-38	-8	1	-6	0	-1	14	26	13
Wet Water Years	-29	-1	-7	-1	0	0	0	6	-2	10	35	11
Above Normal Water Years	35	-186	-44	0	0	0	-1	12	-5	22	34	3
Below Normal Water Years	-4	-32	27	4	-3	-1	3	36	8	2	-50	-9
Dry Water Years	10	-15	17	-41	-15	-2	5	17	33	58	100	57
Critical Water Years	22	-29	2	-179	-26	11	-48	-90	-54	-40	-24	-19

Table G.1-9-4-A. Sacramento River at Emmaton, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	4200	3853	3310	4067	1369	999	1019	1683	2696	2602	2881	3761
1%	4108	3773	3153	2352	1094	853	912	1660	2692	2384	2853	3680
5%	4008	3330	2372	1630	687	490	711	1270	2206	2279	2834	3501
10%	3802	3056	2096	1259	448	335	456	802	1107	1666	2696	3376
25%	2942	2798	1438	657	257	211	273	440	700	1035	2111	2976
50%	2142	1132	629	252	193	193	203	272	479	568	1029	2132
75%	397	797	242	184	181	183	185	192	312	374	621	428
99.9%	191	179	177	176	177	177	176	172	175	203	304	223

Table G.1-9-4-B. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	1803	1659	937	530	271	241	278	408	658	808	1368	1771
Wet Water Years	1338	1096	299	185	180	182	185	208	299	341	601	411
Above Normal Water Years	1804	1493	710	323	189	184	193	242	365	359	602	423
Below Normal Water Years	1409	1421	1094	395	231	201	237	315	567	602	1158	2138
Dry Water Years	1953	1987	1253	698	289	247	275	374	637	1001	1969	2762
Critical Water Years	2832	2567	1600	1216	520	427	568	1061	1680	1958	2713	3433

Table G.1-9-4-C. Sacramento River at Emmaton, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	18	-557	89	1696	16	-368	-1567	-1400	-385	-1079	-1236	51
1%	109	-576	191	60	-231	-33	-1218	-1288	-384	-1059	-815	13
5%	250	-415	-12	-319	19	-35	-551	-741	-565	-980	-587	69
10%	168	-461	152	-25	-37	-88	-265	-435	-1176	-907	-414	34
25%	-16	142	-30	-27	-11	-1	-26	22	8	67	189	194
50%	-46	-21	-54	2	-1	0	0	27	-10	49	32	206
75%	-3	-51	-4	-1	0	0	-1	-1	-7	32	34	3
99.9%	5	0	0	0	0	0	0	0	0	0	3	10

Table G.1-9-4-D. Sacramento River at Emmaton, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	31	-77	-3	-7	-7	-10	-80	-83	-92	-114	-45	32
Wet Water Years	-23	-4	-7	-1	0	0	0	6	-2	10	34	11
Above Normal Water Years	51	-208	-54	0	0	0	-1	12	-5	21	35	3
Below Normal Water Years	47	-90	78	9	-2	0	3	36	7	6	0	39
Dry Water Years	24	-28	-8	-50	-15	-2	5	17	33	61	105	60
Critical Water Years	100	-152	-31	22	-20	-62	-507	-607	-625	-844	-533	45

Table G.1-9-5-A. Sacramento River at Emmaton, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Delta VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	4222	4089	3555	4296	2830	1070	1038	1695	2719	2462	2866	3714
1%	4217	3774	3542	2433	1384	862	911	1652	2679	2309	2856	3675
5%	4017	3374	2359	1625	558	476	707	1253	2206	2223	2746	3421
10%	3814	3163	1941	1304	464	326	433	808	1110	1616	2675	3381
25%	2977	2731	1451	655	257	211	271	443	713	1026	2057	2932
50%	2172	1153	640	261	193	195	203	273	494	571	1024	2088
75%	395	812	242	184	181	183	187	195	315	352	620	424
99.9%	192	179	177	176	177	177	176	172	175	206	301	222

Table G.1-9-5-B. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Delta VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	1803	1662	940	541	291	238	276	407	664	797	1338	1768
Wet Water Years	1352	1112	303	186	180	183	185	208	302	338	597	409
Above Normal Water Years	1809	1502	711	323	189	185	195	235	373	353	594	417
Below Normal Water Years	1381	1368	1071	398	233	200	231	319	575	613	1106	2123
Dry Water Years	1943	1988	1241	713	291	234	265	369	644	988	1909	2778
Critical Water Years	2851	2605	1655	1254	640	428	571	1062	1680	1910	2692	3410

Table G.1-9-5-C. Sacramento River at Emmaton, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	40	-321	333	1925	1477	-297	-1547	-1388	-362	-1218	-1251	4
1%	218	-575	580	141	59	-24	-1218	-1296	-396	-1135	-812	8
5%	259	-371	-25	-324	-109	-49	-554	-758	-565	-1036	-676	-11
10%	180	-354	-3	20	-21	-97	-289	-429	-1172	-957	-435	40
25%	19	74	-17	-29	-11	-2	-28	26	21	58	135	150
50%	-17	0	-44	10	-1	1	0	28	5	52	26	161
75%	-5	-36	-4	-1	0	0	1	2	-3	10	33	0
99.9%	5	0	0	0	0	0	0	0	0	3	-1	9

Table G.1-9-5-D. Sacramento River at Emmaton, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	31	-75	0	3	13	-13	-82	-84	-86	-124	-74	28
Wet Water Years	-8	12	-3	-1	0	0	0	7	1	6	31	8
Above Normal Water Years	56	-199	-53	1	0	1	1	6	4	16	28	-3
Below Normal Water Years	19	-143	54	12	0	-2	-2	40	15	17	-53	25
Dry Water Years	14	-27	-20	-35	-13	-15	-5	12	40	48	45	76
Critical Water Years	119	-114	23	60	101	-60	-505	-606	-624	-892	-553	23

Table G.1-9-6-A. Sacramento River at Emmaton, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	4251	5454	3540	4207	2867	1044	992	1544	2568	2471	2835	3666
1%	4230	4228	3535	2587	1371	855	916	1524	2410	2249	2827	3630
5%	4011	3522	2657	1880	739	462	589	1093	2058	2170	2731	3410
10%	3789	3252	1945	1292	440	320	403	677	1058	1561	2647	3349
25%	2974	2690	1459	650	258	212	250	393	696	1023	2075	2939
50%	2156	1152	640	259	194	194	198	238	498	583	1004	2067
75%	394	805	241	184	181	183	186	193	330	353	613	425
99.9%	192	179	177	176	177	177	176	172	175	206	301	222

Table G.1-9-6-B. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	1794	1684	941	546	295	236	258	359	635	793	1330	1750
Wet Water Years	1374	1128	304	186	180	183	185	207	302	337	594	409
Above Normal Water Years	1792	1485	707	322	189	185	193	217	368	352	583	416
Below Normal Water Years	1339	1504	1093	394	233	200	211	268	569	612	1097	2061
Dry Water Years	1919	1981	1229	692	295	232	241	325	618	1000	1908	2774
Critical Water Years	2856	2587	1658	1324	662	422	522	903	1551	1870	2664	3377

Table G.1-9-6-C. Sacramento River at Emmaton, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	69	1044	319	1836	1514	-323	-1594	-1539	-513	-1209	-1282	-44
1%	231	-121	572	295	46	-32	-1213	-1424	-666	-1195	-841	-37
5%	253	-223	273	-69	72	-63	-673	-918	-713	-1089	-690	-22
10%	155	-265	1	8	-45	-103	-319	-560	-1224	-1011	-463	7
25%	16	34	-8	-33	-11	-1	-49	-25	4	55	152	157
50%	-33	-2	-44	9	-1	1	-5	-7	9	64	6	140
75%	-5	-43	-5	-1	0	0	-1	0	11	11	25	1
99.9%	5	0	0	0	0	0	0	0	0	3	-1	9

Table G.1-9-6-D. Sacramento River at Emmaton, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	23	-53	2	9	17	-15	-100	-132	-115	-128	-83	10
Wet Water Years	14	28	-2	0	0	0	0	5	2	5	28	8
Above Normal Water Years	40	-216	-57	0	0	1	-1	-13	-2	15	17	-4
Below Normal Water Years	-23	-7	76	8	0	-2	-23	-11	9	17	-61	-38
Dry Water Years	-10	-34	-32	-55	-9	-17	-29	-31	14	61	45	71
Critical Water Years	123	-132	26	130	122	-66	-554	-766	-754	-931	-582	-10

Table G.1-9-7-A. Sacramento River at Emmaton, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	4251	5454	3540	4207	2867	1044	992	1544	2568	2471	2835	3666
1%	4230	4228	3535	2587	1371	855	916	1524	2410	2249	2827	3630
5%	4011	3522	2657	1880	739	462	589	1093	2058	2170	2731	3410
10%	3789	3252	1945	1292	440	320	403	677	1058	1561	2647	3349
25%	2974	2690	1459	650	258	212	250	393	696	1023	2075	2939
50%	2156	1152	640	259	194	194	198	238	498	583	1004	2067
75%	394	805	241	184	181	183	186	193	330	353	613	425
99.9%	192	179	177	176	177	177	176	172	175	206	301	222

Table G.1-9-7-B. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	1794	1684	941	546	295	236	258	359	635	793	1330	1750
Wet Water Years	1352	1112	303	186	180	183	185	208	302	338	597	409
Above Normal Water Years	1809	1502	711	323	189	185	195	235	373	353	594	417
Below Normal Water Years	1381	1368	1071	398	233	200	231	319	575	613	1106	2123
Dry Water Years	1943	1988	1241	713	291	234	265	369	644	988	1909	2778
Critical Water Years	2851	2605	1655	1254	640	428	571	1062	1680	1910	2692	3410

Table G.1-9-7-C. Sacramento River at Emmaton, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	69	1044	319	1836	1514	-323	-1594	-1539	-513	-1209	-1282	-44
1%	231	-121	572	295	46	-32	-1213	-1424	-666	-1195	-841	-37
5%	253	-223	273	-69	72	-63	-673	-918	-713	-1089	-690	-22
10%	155	-265	1	8	-45	-103	-319	-560	-1224	-1011	-463	7
25%	16	34	-8	-33	-11	-1	-49	-25	4	55	152	157
50%	-33	-2	-44	9	-1	1	-5	-7	9	64	6	140
75%	-5	-43	-5	-1	0	0	-1	0	11	11	25	1
99.9%	5	0	0	0	0	0	0	0	0	3	-1	9

Table G.1-9-7-D. Sacramento River at Emmaton, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	23	-53	2	9	17	-15	-100	-132	-115	-128	-83	10
Wet Water Years	-8	12	-3	-1	0	0	0	7	1	6	31	8
Above Normal Water Years	56	-199	-53	1	0	1	1	6	4	16	28	-3
Below Normal Water Years	19	-143	54	12	0	-2	-2	40	15	17	-53	25
Dry Water Years	14	-27	-20	-35	-13	-15	-5	12	40	48	45	76
Critical Water Years	119	-114	23	60	101	-60	-505	-606	-624	-892	-553	23

Table G.1-9-8-A. Sacramento River at Emmaton, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	4251	5454	3540	4207	2867	1044	992	1544	2568	2471	2835	3666
1%	4230	4228	3535	2587	1371	855	916	1524	2410	2249	2827	3630
5%	4011	3522	2657	1880	739	462	589	1093	2058	2170	2731	3410
10%	3789	3252	1945	1292	440	320	403	677	1058	1561	2647	3349
25%	2974	2690	1459	650	258	212	250	393	696	1023	2075	2939
50%	2156	1152	640	259	194	194	198	238	498	583	1004	2067
75%	394	805	241	184	181	183	186	193	330	353	613	425
99.9%	192	179	177	176	177	177	176	172	175	206	301	222

Table G.1-9-8-B. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	1794	1684	941	546	295	236	258	359	635	793	1330	1750
Wet Water Years	1407	1134	295	185	180	182	185	208	298	341	600	410
Above Normal Water Years	1772	1520	712	313	188	184	192	242	365	360	603	422
Below Normal Water Years	1366	1496	1038	382	231	201	236	317	571	583	1103	2100
Dry Water Years	1959	1982	1239	755	303	246	274	373	635	964	1921	2732
Critical Water Years	2734	2725	1509	1028	604	544	1048	1565	2290	2760	3212	3361

Table G.1-9-8-C. Sacramento River at Emmaton, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	69	1044	319	1836	1514	-323	-1594	-1539	-513	-1209	-1282	-44
1%	231	-121	572	295	46	-32	-1213	-1424	-666	-1195	-841	-37
5%	253	-223	273	-69	72	-63	-673	-918	-713	-1089	-690	-22
10%	155	-265	1	8	-45	-103	-319	-560	-1224	-1011	-463	7
25%	16	34	-8	-33	-11	-1	-49	-25	4	55	152	157
50%	-33	-2	-44	9	-1	1	-5	-7	9	64	6	140
75%	-5	-43	-5	-1	0	0	-1	0	11	11	25	1
99.9%	5	0	0	0	0	0	0	0	0	3	-1	9

Table G.1-9-8-D. Sacramento River at Emmaton, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	23	-53	2	9	17	-15	-100	-132	-115	-128	-83	10
Wet Water Years	46	34	-11	-1	0	0	0	6	-2	9	34	10
Above Normal Water Years	19	-180	-52	-10	-1	0	-1	12	-4	22	36	2
Below Normal Water Years	5	-15	22	-4	-2	0	3	38	11	-12	-55	2
Dry Water Years	30	-33	-22	7	-1	-2	4	17	31	25	57	29
Critical Water Years	1	6	-123	-166	64	56	-28	-104	-15	-42	-34	-27

Table G.1-10-1-A. Sacramento River at Rio Vista, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	598	711	521	404	277	279	409	479	550	611	637	507
1%	549	657	480	376	263	237	363	438	547	582	578	477
5%	519	566	376	316	222	216	261	329	453	536	508	465
10%	477	491	342	268	209	202	218	248	399	411	439	449
25%	399	379	279	222	194	190	192	191	203	221	308	360
50%	313	241	221	189	185	185	186	186	193	193	224	299
75%	186	214	185	181	180	180	180	181	187	184	195	189
99.9%	178	177	176	176	177	177	177	177	177	179	181	178

Table G.1-10-1-B. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	303	306	244	210	191	188	196	203	227	238	273	293
Wet Water Years	263	244	189	180	179	180	180	180	185	184	194	188
Above Normal Water Years	301	306	225	192	182	181	182	183	188	183	194	189
Below Normal Water Years	267	285	247	197	189	186	187	185	198	197	233	313
Dry Water Years	313	324	270	226	195	190	189	189	199	218	297	355
Critical Water Years	398	413	314	269	214	210	256	302	411	459	490	451

Table G.1-10-2-A. Sacramento River at Rio Vista, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	573	689	482	527	268	243	239	349	492	389	454	505
1%	553	688	482	405	265	239	230	330	432	381	451	504
5%	507	627	453	360	247	224	217	270	366	364	422	464
10%	487	504	427	321	216	205	201	225	246	284	408	429
25%	387	409	358	259	198	191	191	191	200	222	312	390
50%	335	346	254	192	185	185	185	187	188	197	229	313
75%	275	270	185	181	180	180	180	180	184	186	216	247
99.9%	179	177	176	176	177	177	177	177	177	179	182	179

Table G.1-10-2-B. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	341	352	276	226	193	189	188	195	210	218	272	320
Wet Water Years	304	286	193	180	179	180	180	180	182	184	212	249
Above Normal Water Years	334	360	244	194	182	181	182	183	184	185	216	259
Below Normal Water Years	320	321	297	209	191	186	186	186	190	198	241	293
Dry Water Years	354	374	325	259	201	192	189	189	199	220	306	375
Critical Water Years	416	464	349	306	220	211	210	250	323	322	409	448

Table G.1-10-2-C. Sacramento River at Rio Vista, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	-26	-22	-38	124	-8	-36	-170	-130	-57	-222	-183	-3
1%	4	31	2	29	2	2	-134	-108	-115	-200	-127	27
5%	-12	62	76	44	25	8	-45	-60	-88	-172	-86	-1
10%	10	13	85	54	7	2	-17	-24	-153	-127	-31	-20
25%	-12	31	79	37	4	1	-1	0	-3	2	3	30
50%	22	106	34	4	0	0	0	1	-5	4	5	13
75%	89	57	0	0	0	0	0	0	-3	1	21	58
99.9%	1	0	0	0	0	0	0	0	0	0	0	1

Table G.1-10-2-D. Sacramento River at Rio Vista, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	39	46	32	16	3	1	-7	-8	-17	-21	-1	28
Wet Water Years	41	42	4	0	0	0	0	0	-3	1	18	61
Above Normal Water Years	33	54	19	2	0	0	0	0	-4	2	22	70
Below Normal Water Years	53	36	50	12	2	0	0	1	-8	1	8	-20
Dry Water Years	41	49	55	33	6	2	0	0	0	2	10	20
Critical Water Years	19	51	35	37	6	1	-46	-52	-88	-137	-81	-3

Table G.1-10-3-A. Sacramento River at Rio Vista, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 With TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	600	609	537	389	267	267	386	441	563	576	574	519
1%	550	592	489	376	250	233	365	407	528	557	548	478
5%	488	524	371	274	229	214	261	330	456	523	534	462
10%	481	489	331	265	205	202	205	240	398	450	459	430
25%	388	396	283	218	194	190	191	192	205	225	322	383
50%	310	239	214	189	184	185	185	185	193	194	227	303
75%	186	212	185	181	180	180	180	180	186	185	197	190
99.9%	178	177	176	176	177	177	177	177	177	179	182	179

Table G.1-10-3-B. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 With TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	302	301	244	207	190	188	195	202	226	239	277	294
Wet Water Years	260	245	188	180	179	180	180	180	184	184	196	189
Above Normal Water Years	305	282	222	192	182	181	182	183	188	184	197	190
Below Normal Water Years	266	277	249	197	189	186	187	186	198	197	232	310
Dry Water Years	314	324	271	223	194	190	189	189	201	223	312	362
Critical Water Years	398	408	312	252	212	210	250	292	403	455	489	447

Table G.1-10-3-C. Sacramento River at Rio Vista, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	1	-102	16	-15	-10	-11	-23	-38	14	-34	-63	12
1%	1	-64	9	0	-12	-4	1	-31	-19	-25	-30	1
5%	-31	-42	-5	-42	7	-3	0	0	2	-13	25	-3
10%	5	-2	-10	-2	-4	0	-13	-9	-2	39	20	-19
25%	-11	17	5	-4	0	1	0	1	1	4	14	23
50%	-3	-2	-7	0	0	0	0	-1	-1	1	2	3
75%	0	-2	0	0	0	0	0	0	-1	1	3	1
99.9%	0	0	0	0	0	0	0	0	0	0	0	1

Table G.1-10-3-D. Sacramento River at Rio Vista, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	-5	0	-3	-1	0	-1	-1	-1	1	4	1
Wet Water Years	-3	1	-1	0	0	0	0	0	0	0	2	1
Above Normal Water Years	4	-24	-3	0	0	0	0	0	0	1	3	0
Below Normal Water Years	-1	-8	2	0	0	0	0	1	0	0	-1	-2
Dry Water Years	0	0	1	-2	-1	0	0	0	2	5	15	7
Critical Water Years	0	-5	-3	-16	-2	0	-6	-10	-8	-4	-1	-4

Table G.1-10-4-A. Sacramento River at Rio Vista, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	600	570	519	674	268	240	231	314	446	396	449	502
1%	557	523	498	383	264	230	230	301	432	394	444	493
5%	535	500	373	293	224	212	214	256	369	362	426	464
10%	510	436	349	266	205	199	199	216	249	290	405	433
25%	391	396	282	218	194	190	191	192	204	227	322	383
50%	312	238	214	189	184	185	185	186	193	195	227	310
75%	186	212	185	181	180	180	180	181	186	185	197	190
99.9%	178	177	176	176	177	177	177	177	177	179	182	179

Table G.1-10-4-B. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	306	296	243	211	190	188	188	194	213	219	266	295
Wet Water Years	261	245	188	180	179	180	180	180	184	184	196	189
Above Normal Water Years	308	278	221	192	182	181	182	183	188	184	197	190
Below Normal Water Years	272	267	255	197	189	186	187	186	198	197	236	313
Dry Water Years	315	323	269	223	194	190	189	189	201	223	312	362
Critical Water Years	410	395	309	280	212	205	207	241	318	326	411	450

Table G.1-10-4-C. Sacramento River at Rio Vista, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	2	-141	-2	271	-8	-38	-178	-165	-103	-214	-188	-5
1%	8	-134	18	7	1	-7	-133	-137	-115	-188	-134	16
5%	16	-66	-3	-23	2	-5	-47	-74	-85	-174	-82	-1
10%	34	-55	8	-2	-4	-3	-18	-33	-151	-121	-34	-16
25%	-7	17	3	-4	0	0	0	1	1	6	14	23
50%	-2	-2	-7	1	0	0	0	0	-1	1	2	10
75%	0	-2	0	0	0	0	0	0	-1	1	3	1
99.9%	0	0	0	0	0	0	0	0	0	0	0	1

Table G.1-10-4-D. Sacramento River at Rio Vista, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	4	-10	0	1	-1	-1	-8	-10	-15	-20	-7	2
Wet Water Years	-2	1	-1	0	0	0	0	0	0	0	2	1
Above Normal Water Years	6	-28	-4	0	0	0	0	0	0	1	3	0
Below Normal Water Years	5	-17	8	0	0	0	0	1	0	1	3	1
Dry Water Years	2	-2	-1	-3	-1	0	0	0	2	5	15	7
Critical Water Years	12	-18	-6	11	-2	-5	-49	-62	-93	-134	-79	0

Table G.1-10-5-A. Sacramento River at Rio Vista, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Delta VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	603	616	565	740	436	249	233	316	452	370	450	491
1%	562	528	545	412	271	229	230	301	430	368	446	474
5%	538	498	371	292	217	211	215	254	367	354	412	459
10%	515	453	333	266	207	197	199	217	249	283	399	435
25%	396	393	280	218	194	190	192	193	205	225	311	380
50%	311	241	214	189	184	185	185	186	193	195	226	307
75%	186	212	185	181	180	180	180	181	186	185	198	190
99.9%	178	177	176	176	177	177	177	177	177	179	182	179

Table G.1-10-5-B. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Delta VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	307	297	245	212	192	188	189	194	213	217	262	295
Wet Water Years	262	247	188	180	179	180	180	180	185	184	196	189
Above Normal Water Years	309	279	222	192	182	181	183	184	188	184	196	189
Below Normal Water Years	269	262	254	198	189	186	188	187	198	198	231	313
Dry Water Years	314	324	268	223	194	190	190	190	202	222	303	366
Critical Water Years	413	399	319	288	225	206	207	241	318	317	406	445

Table G.1-10-5-C. Sacramento River at Rio Vista, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	5	-94	45	337	159	-30	-177	-164	-97	-241	-187	-16
1%	13	-129	65	36	8	-8	-133	-137	-116	-213	-132	-3
5%	20	-67	-6	-24	-5	-5	-47	-75	-86	-182	-97	-6
10%	39	-38	-8	-2	-2	-5	-19	-31	-150	-129	-40	-14
25%	-3	15	1	-4	0	1	0	2	2	5	3	20
50%	-2	0	-6	1	0	0	0	0	0	1	2	7
75%	0	-2	0	0	0	0	0	0	-1	0	3	0
99.9%	0	0	0	0	0	0	0	0	0	0	0	1

Table G.1-10-5-D. Sacramento River at Rio Vista, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	4	-9	1	3	2	-1	-7	-9	-14	-21	-11	2
Wet Water Years	-1	3	0	0	0	0	0	0	0	0	2	1
Above Normal Water Years	7	-27	-3	0	0	0	1	0	0	1	3	0
Below Normal Water Years	2	-23	7	0	0	0	1	2	1	1	-2	1
Dry Water Years	1	0	-2	-2	-1	0	1	1	3	4	7	11
Critical Water Years	15	-14	5	19	11	-4	-48	-61	-93	-142	-84	-5

Table G.1-10-6-A. Sacramento River at Rio Vista, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	609	998	563	709	442	247	229	286	421	371	444	491
1%	566	644	543	406	273	228	228	267	413	362	434	471
5%	536	510	439	316	228	210	207	236	348	340	406	447
10%	515	460	334	266	206	197	196	209	240	277	399	433
25%	392	388	279	219	194	190	190	190	205	226	311	383
50%	303	240	216	189	184	185	185	185	193	196	223	301
75%	186	211	185	181	180	180	180	181	187	185	196	190
99.9%	178	177	176	176	177	177	177	177	177	179	182	179

Table G.1-10-6-B. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	306	303	246	213	193	188	187	191	210	216	261	293
Wet Water Years	265	248	188	180	179	180	180	180	185	184	196	188
Above Normal Water Years	306	278	221	192	182	181	182	182	188	184	196	189
Below Normal Water Years	265	296	259	197	189	186	185	185	198	198	230	308
Dry Water Years	312	324	267	222	194	190	188	188	201	223	303	366
Critical Water Years	413	396	320	294	227	205	204	226	302	311	402	440

Table G.1-10-6-C. Sacramento River at Rio Vista, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	11	288	43	306	165	-32	-180	-193	-128	-240	-193	-17
1%	16	-13	63	30	10	-9	-135	-171	-134	-220	-144	-6
5%	17	-56	63	1	6	-6	-54	-94	-105	-196	-103	-18
10%	38	-31	-8	-2	-3	-6	-22	-40	-160	-134	-40	-16
25%	-6	9	0	-3	0	1	-2	-1	2	5	2	23
50%	-11	0	-5	1	0	0	-1	-1	0	3	-1	1
75%	0	-3	0	0	0	0	0	0	0	0	2	0
99.9%	0	0	0	0	0	0	0	0	0	0	0	1

Table G.1-10-6-D. Sacramento River at Rio Vista, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	3	-4	2	3	2	-1	-9	-13	-17	-22	-13	0
Wet Water Years	2	4	0	0	0	0	0	0	0	0	1	1
Above Normal Water Years	5	-28	-4	0	0	0	0	-1	0	1	2	0
Below Normal Water Years	-2	11	12	0	0	0	-1	-1	1	1	-3	-4
Dry Water Years	-1	0	-3	-4	-1	0	-1	-1	2	5	6	11
Critical Water Years	16	-17	6	26	13	-5	-51	-76	-108	-148	-89	-11

Table G.1-10-7-A. Sacramento River at Rio Vista, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	609	998	563	709	442	247	229	286	421	371	444	491
1%	566	644	543	406	273	228	228	267	413	362	434	471
5%	536	510	439	316	228	210	207	236	348	340	406	447
10%	515	460	334	266	206	197	196	209	240	277	399	433
25%	392	388	279	219	194	190	190	190	205	226	311	383
50%	303	240	216	189	184	185	185	185	193	196	223	301
75%	186	211	185	181	180	180	180	181	187	185	196	190
99.9%	178	177	176	176	177	177	177	177	177	179	182	179

Table G.1-10-7-B. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	306	303	246	213	193	188	187	191	210	216	261	293
Wet Water Years	262	247	188	180	179	180	180	180	185	184	196	189
Above Normal Water Years	309	279	222	192	182	181	183	184	188	184	196	189
Below Normal Water Years	269	262	254	198	189	186	188	187	198	198	231	313
Dry Water Years	314	324	268	223	194	190	190	190	202	222	303	366
Critical Water Years	413	399	319	288	225	206	207	241	318	317	406	445

Table G.1-10-7-C. Sacramento River at Rio Vista, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	11	288	43	306	165	-32	-180	-193	-128	-240	-193	-17
1%	16	-13	63	30	10	-9	-135	-171	-134	-220	-144	-6
5%	17	-56	63	1	6	-6	-54	-94	-105	-196	-103	-18
10%	38	-31	-8	-2	-3	-6	-22	-40	-160	-134	-40	-16
25%	-6	9	0	-3	0	1	-2	-1	2	5	2	23
50%	-11	0	-5	1	0	0	-1	-1	0	3	-1	1
75%	0	-3	0	0	0	0	0	0	0	0	2	0
99.9%	0	0	0	0	0	0	0	0	0	0	0	1

Table G.1-10-7-D. Sacramento River at Rio Vista, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	3	-4	2	3	2	-1	-9	-13	-17	-22	-13	0
Wet Water Years	-1	3	0	0	0	0	0	0	0	0	2	1
Above Normal Water Years	7	-27	-3	0	0	0	1	0	0	1	3	0
Below Normal Water Years	2	-23	7	0	0	0	1	2	1	1	-2	1
Dry Water Years	1	0	-2	-2	-1	0	1	1	3	4	7	11
Critical Water Years	15	-14	5	19	11	-4	-48	-61	-93	-142	-84	-5

Table G.1-10-8-A. Sacramento River at Rio Vista, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	609	998	563	709	442	247	229	286	421	371	444	491
1%	566	644	543	406	273	228	228	267	413	362	434	471
5%	536	510	439	316	228	210	207	236	348	340	406	447
10%	515	460	334	266	206	197	196	209	240	277	399	433
25%	392	388	279	219	194	190	190	190	205	226	311	383
50%	303	240	216	189	184	185	185	185	193	196	223	301
75%	186	211	185	181	180	180	180	181	187	185	196	190
99.9%	178	177	176	176	177	177	177	177	177	179	182	179

Table G.1-10-8-B. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	306	303	246	213	193	188	187	191	210	216	261	293
Wet Water Years	268	247	188	180	179	180	180	180	184	184	196	189
Above Normal Water Years	303	282	221	191	182	181	182	183	188	184	197	190
Below Normal Water Years	267	280	249	196	189	186	187	186	198	196	232	311
Dry Water Years	316	322	267	226	195	190	189	189	201	221	311	360
Critical Water Years	394	414	298	251	220	214	252	290	414	453	489	446

Table G.1-10-8-C. Sacramento River at Rio Vista, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	11	288	43	306	165	-32	-180	-193	-128	-240	-193	-17
1%	16	-13	63	30	10	-9	-135	-171	-134	-220	-144	-6
5%	17	-56	63	1	6	-6	-54	-94	-105	-196	-103	-18
10%	38	-31	-8	-2	-3	-6	-22	-40	-160	-134	-40	-16
25%	-6	9	0	-3	0	1	-2	-1	2	5	2	23
50%	-11	0	-5	1	0	0	-1	-1	0	3	-1	1
75%	0	-3	0	0	0	0	0	0	0	0	2	0
99.9%	0	0	0	0	0	0	0	0	0	0	0	1

Table G.1-10-8-D. Sacramento River at Rio Vista, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	3	-4	2	3	2	-1	-9	-13	-17	-22	-13	0
Wet Water Years	5	3	-1	0	0	0	0	0	0	0	2	1
Above Normal Water Years	2	-25	-4	-1	0	0	0	0	0	1	3	0
Below Normal Water Years	0	-5	2	-1	0	0	0	1	0	0	-1	-1
Dry Water Years	3	-3	-3	0	0	0	0	0	2	3	14	5
Critical Water Years	-3	1	-17	-18	6	4	-3	-12	3	-6	-1	-5

Table G.1-11-1-A. Sacramento River at Threemile Slough, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	2119	2345	1631	1174	663	674	1299	1537	1636	1943	2166	1837
1%	2000	2281	1512	1154	626	445	1062	1440	1633	1806	1916	1804
5%	1862	1899	1138	925	360	305	626	953	1425	1692	1760	1673
10%	1798	1697	946	618	299	264	379	578	1179	1244	1561	1599
25%	1394	1252	689	372	217	198	218	252	349	448	907	1286
50%	1013	539	386	209	190	189	192	205	276	279	462	899
75%	241	402	208	182	180	181	184	187	223	222	302	253
99.9%	181	178	176	176	177	177	177	174	176	184	208	186

Table G.1-11-1-B. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	866	839	496	326	220	209	254	304	415	481	693	841
Wet Water Years	671	541	230	183	180	181	182	186	216	219	296	247
Above Normal Water Years	860	831	412	240	185	182	188	198	238	219	293	255
Below Normal Water Years	677	731	520	262	204	192	202	211	305	307	531	970
Dry Water Years	929	949	625	405	231	208	212	234	317	440	871	1245
Critical Water Years	1330	1322	812	609	325	299	557	813	1186	1427	1650	1644

Table G.1-11-2-A. Sacramento River at Threemile Slough, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	2066	2403	1456	1611	637	481	503	956	1512	1177	1477	1782
1%	1892	2307	1441	1226	558	457	460	917	1378	1162	1445	1777
5%	1827	2045	1419	1042	479	346	372	672	1105	1102	1376	1631
10%	1713	1638	1318	855	329	269	275	459	530	761	1319	1579
25%	1305	1312	999	589	249	203	222	256	334	465	948	1364
50%	1042	1056	546	239	191	189	193	209	247	301	490	927
75%	726	669	215	182	180	181	183	185	209	235	428	574
99.9%	185	178	176	176	177	177	177	174	176	183	209	188

Table G.1-11-2-B. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	1053	1034	630	401	235	210	218	267	347	408	705	979
Wet Water Years	876	733	256	187	180	181	182	188	200	225	408	603
Above Normal Water Years	1028	1055	499	251	186	182	187	200	212	232	420	656
Below Normal Water Years	947	895	725	330	220	194	202	220	255	311	557	848
Dry Water Years	1132	1168	857	556	261	216	215	239	320	449	904	1292
Critical Water Years	1385	1497	950	758	356	296	330	560	865	932	1344	1599

Table G.1-11-2-C. Sacramento River at Threemile Slough, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	-52	58	-175	437	-26	-194	-796	-581	-124	-765	-689	-55
1%	-108	26	-72	72	-68	12	-602	-523	-255	-644	-471	-27
5%	-35	146	281	117	120	41	-255	-281	-320	-590	-384	-41
10%	-85	-59	372	237	30	5	-104	-119	-650	-483	-242	-20
25%	-89	61	310	217	31	5	4	4	-15	17	41	78
50%	28	517	159	30	1	-1	1	4	-29	22	28	28
75%	485	267	7	0	0	0	-1	-2	-14	13	126	320
99.9%	4	0	0	0	0	0	0	0	0	0	1	2

Table G.1-11-2-D. Sacramento River at Threemile Slough, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	187	195	134	75	15	2	-36	-37	-68	-73	13	138
Wet Water Years	206	193	26	4	0	0	0	1	-16	6	112	356
Above Normal Water Years	167	225	87	11	1	0	-1	2	-26	12	126	402
Below Normal Water Years	271	164	205	68	16	2	0	9	-49	4	26	-122
Dry Water Years	203	218	232	151	30	8	2	4	3	9	33	48
Critical Water Years	55	175	138	149	31	-4	-227	-253	-321	-495	-306	-45

Table G.1-11-3-A. Sacramento River at Threemile Slough, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 With TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	2128	2101	1732	1188	645	628	1233	1378	1668	1820	1867	1869
1%	2044	2066	1624	1132	514	431	1069	1321	1562	1794	1820	1738
5%	1840	1835	1089	647	403	303	585	1013	1432	1653	1795	1688
10%	1736	1612	936	605	282	265	296	528	1236	1457	1570	1619
25%	1383	1318	691	363	214	199	219	259	354	488	1002	1395
50%	969	524	358	209	190	189	191	207	274	296	476	962
75%	240	381	206	182	180	181	183	185	219	231	316	258
99.9%	183	178	176	176	177	177	177	174	176	184	209	188

Table G.1-11-3-B. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 With TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	866	818	496	310	217	209	250	300	413	487	709	846
Wet Water Years	655	544	228	182	180	181	182	187	215	222	308	251
Above Normal Water Years	878	732	395	240	185	183	187	200	236	226	309	256
Below Normal Water Years	674	708	531	263	203	192	202	221	307	308	515	959
Dry Water Years	933	945	632	391	226	207	213	238	331	468	932	1276
Critical Water Years	1338	1304	808	529	314	303	532	767	1157	1408	1641	1630

Table G.1-11-3-C. Sacramento River at Threemile Slough, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	9	-243	100	15	-18	-47	-66	-159	32	-122	-299	32
1%	44	-215	111	-21	-112	-14	7	-119	-72	-12	-96	-66
5%	-22	-64	-48	-278	43	-2	-42	60	7	-39	35	15
10%	-62	-85	-10	-13	-17	1	-82	-50	56	212	9	20
25%	-11	66	2	-9	-3	1	1	7	5	40	95	109
50%	-44	-15	-29	0	0	0	-1	2	-2	17	14	63
75%	-1	-21	-2	0	0	0	-1	-1	-4	9	14	4
99.9%	2	0	0	0	0	0	0	0	0	0	1	2

Table G.1-11-3-D. Sacramento River at Threemile Slough, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	-21	0	-16	-3	0	-4	-4	-2	6	16	5
Wet Water Years	-16	3	-3	-1	0	0	0	1	-1	3	13	4
Above Normal Water Years	18	-99	-17	0	0	0	-1	2	-2	7	16	2
Below Normal Water Years	-3	-23	11	1	-1	0	0	10	2	1	-16	-11
Dry Water Years	4	-4	7	-14	-5	-1	1	4	14	28	61	31
Critical Water Years	7	-19	-5	-80	-11	3	-24	-46	-29	-18	-9	-15

Table G.1-11-4-A. Sacramento River at Threemile Slough, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	2127	1945	1656	2157	651	491	479	832	1368	1263	1451	1853
1%	2034	1854	1595	1115	575	430	457	807	1345	1187	1440	1825
5%	1989	1676	1129	767	378	291	364	610	1087	1097	1414	1708
10%	1858	1468	997	611	282	236	272	403	546	788	1334	1617
25%	1398	1323	693	362	214	199	217	259	352	488	1002	1396
50%	963	524	346	214	190	189	191	207	274	296	476	995
75%	240	382	206	182	180	181	183	185	219	231	316	258
99.9%	183	178	176	176	177	177	177	174	176	184	209	188

Table G.1-11-4-B. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	882	798	494	327	218	204	216	261	363	413	667	855
Wet Water Years	659	542	227	182	180	181	182	188	215	222	308	251
Above Normal Water Years	888	720	391	240	185	183	187	200	236	226	310	256
Below Normal Water Years	701	674	556	265	203	192	202	221	306	310	541	981
Dry Water Years	941	938	621	387	226	207	213	239	331	470	934	1277
Critical Water Years	1384	1244	791	636	317	275	318	523	845	945	1350	1659

Table G.1-11-4-C. Sacramento River at Threemile Slough, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	8	-400	25	983	-12	-183	-820	-704	-268	-679	-715	16
1%	34	-427	82	-39	-51	-15	-604	-633	-288	-619	-476	21
5%	127	-223	-9	-158	18	-14	-262	-343	-338	-595	-346	35
10%	60	-229	52	-7	-17	-28	-107	-175	-634	-457	-228	18
25%	4	71	3	-10	-3	1	-1	7	4	40	95	110
50%	-50	-14	-41	4	0	0	-1	2	-2	17	14	96
75%	-1	-20	-2	0	0	0	-1	-1	-4	9	13	4
99.9%	2	0	0	0	0	0	0	0	0	0	1	2

Table G.1-11-4-D. Sacramento River at Threemile Slough, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	16	-41	-2	0	-3	-4	-38	-43	-52	-68	-25	14
Wet Water Years	-12	1	-3	-1	0	0	0	1	-1	3	12	4
Above Normal Water Years	28	-111	-21	0	0	0	-1	2	-2	7	16	2
Below Normal Water Years	24	-57	37	3	-1	0	0	10	1	3	9	11
Dry Water Years	12	-11	-4	-18	-5	-1	1	4	14	30	64	32
Critical Water Years	54	-78	-21	27	-8	-24	-239	-290	-341	-482	-300	15

Table G.1-11-5-A. Sacramento River at Threemile Slough, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Delta VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	2144	2091	1815	2327	1386	526	489	838	1386	1174	1445	1812
1%	2121	1855	1805	1195	654	432	450	807	1333	1114	1435	1802
5%	2002	1654	1135	766	326	287	365	603	1085	1079	1361	1663
10%	1895	1572	914	634	290	235	270	412	549	757	1335	1625
25%	1410	1286	696	363	214	199	216	262	361	477	968	1381
50%	992	539	353	218	189	191	193	210	279	297	474	960
75%	240	383	206	182	180	181	184	187	221	225	316	256
99.9%	183	178	176	176	177	177	177	173	176	184	208	188

Table G.1-11-5-B. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Delta VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	882	800	498	332	227	204	216	262	365	407	650	854
Wet Water Years	665	551	229	182	180	181	182	188	216	221	307	250
Above Normal Water Years	891	724	391	240	185	183	190	200	240	225	307	254
Below Normal Water Years	686	647	548	267	204	193	203	224	309	314	513	977
Dry Water Years	936	941	616	392	226	204	213	239	335	462	897	1290
Critical Water Years	1396	1264	827	660	376	277	319	524	846	913	1334	1642

Table G.1-11-5-C. Sacramento River at Threemile Slough, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	25	-254	183	1153	723	-148	-810	-699	-250	-768	-721	-26
1%	121	-426	293	41	27	-13	-612	-633	-300	-692	-481	-2
5%	140	-246	-3	-159	-34	-18	-261	-350	-339	-613	-398	-10
10%	97	-125	-31	16	-9	-29	-109	-166	-630	-488	-226	26
25%	15	35	6	-9	-4	2	-2	9	12	29	61	95
50%	-21	0	-33	9	-1	1	1	5	2	18	12	60
75%	-1	-19	-2	0	0	0	0	0	-2	4	14	2
99.9%	2	0	0	0	0	0	0	0	0	1	0	2

Table G.1-11-5-D. Sacramento River at Threemile Slough, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	16	-39	2	6	7	-4	-37	-42	-49	-74	-43	13
Wet Water Years	-6	10	-1	0	0	0	0	1	0	2	11	3
Above Normal Water Years	31	-107	-21	0	0	1	2	2	1	6	14	-1
Below Normal Water Years	9	-85	28	4	0	1	1	13	5	7	-18	7
Dry Water Years	7	-8	-10	-13	-5	-4	0	4	18	22	26	45
Critical Water Years	66	-59	15	52	51	-22	-237	-289	-341	-514	-316	-2

Table G.1-11-6-A. Sacramento River at Threemile Slough, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	2162	3093	1806	2256	1408	514	469	751	1278	1179	1428	1795
1%	2132	2178	1799	1257	648	426	452	706	1240	1082	1422	1754
5%	2000	1721	1325	883	399	282	318	527	1040	1035	1342	1640
10%	1881	1595	932	632	284	232	253	352	528	728	1312	1598
25%	1408	1262	694	363	214	199	207	245	352	475	979	1392
50%	960	538	363	216	189	191	191	200	280	302	465	928
75%	240	381	206	182	180	181	183	186	227	225	312	256
99.9%	183	178	176	176	177	177	177	173	176	184	208	188

Table G.1-11-6-B. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	878	816	500	336	229	204	210	243	353	405	645	844
Wet Water Years	677	557	229	183	180	181	182	187	217	221	306	250
Above Normal Water Years	882	717	390	240	185	183	189	194	238	224	302	253
Below Normal Water Years	664	743	563	265	204	193	196	208	309	314	510	947
Dry Water Years	924	938	611	384	228	203	205	225	325	468	896	1287
Critical Water Years	1400	1253	829	694	385	275	300	451	781	891	1317	1620

Table G.1-11-6-C. Sacramento River at Threemile Slough, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	43	748	175	1082	745	-160	-830	-786	-358	-764	-738	-42
1%	131	-102	287	103	21	-19	-610	-734	-393	-724	-494	-50
5%	139	-179	187	-42	40	-23	-309	-426	-384	-657	-417	-33
10%	83	-103	-14	14	-15	-32	-125	-226	-652	-516	-249	-1
25%	14	11	5	-9	-4	1	-10	-7	3	27	73	106
50%	-53	-1	-24	6	-1	1	-1	-5	4	23	2	29
75%	-1	-21	-2	0	0	0	0	0	3	3	10	2
99.9%	2	0	0	0	0	0	0	0	0	1	0	2

Table G.1-11-6-D. Sacramento River at Threemile Slough, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	12	-23	4	9	9	-5	-44	-61	-62	-76	-47	3
Wet Water Years	6	16	-1	0	0	0	0	1	0	2	10	3
Above Normal Water Years	21	-114	-23	0	0	1	0	-4	0	5	9	-2
Below Normal Water Years	-13	11	44	3	0	1	-6	-3	5	7	-22	-23
Dry Water Years	-5	-11	-14	-21	-4	-4	-8	-9	8	28	25	43
Critical Water Years	69	-69	17	85	60	-25	-256	-362	-406	-535	-333	-24

Table G.1-11-7-A. Sacramento River at Threemile Slough, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	2162	3093	1806	2256	1408	514	469	751	1278	1179	1428	1795
1%	2132	2178	1799	1257	648	426	452	706	1240	1082	1422	1754
5%	2000	1721	1325	883	399	282	318	527	1040	1035	1342	1640
10%	1881	1595	932	632	284	232	253	352	528	728	1312	1598
25%	1408	1262	694	363	214	199	207	245	352	475	979	1392
50%	960	538	363	216	189	191	191	200	280	302	465	928
75%	240	381	206	182	180	181	183	186	227	225	312	256
99.9%	183	178	176	176	177	177	177	173	176	184	208	188

Table G.1-11-7-B. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	878	816	500	336	229	204	210	243	353	405	645	844
Wet Water Years	665	551	229	182	180	181	182	188	216	221	307	250
Above Normal Water Years	891	724	391	240	185	183	190	200	240	225	307	254
Below Normal Water Years	686	647	548	267	204	193	203	224	309	314	513	977
Dry Water Years	936	941	616	392	226	204	213	239	335	462	897	1290
Critical Water Years	1396	1264	827	660	376	277	319	524	846	913	1334	1642

Table G.1-11-7-C. Sacramento River at Threemile Slough, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	43	748	175	1082	745	-160	-830	-786	-358	-764	-738	-42
1%	131	-102	287	103	21	-19	-610	-734	-393	-724	-494	-50
5%	139	-179	187	-42	40	-23	-309	-426	-384	-657	-417	-33
10%	83	-103	-14	14	-15	-32	-125	-226	-652	-516	-249	-1
25%	14	11	5	-9	-4	1	-10	-7	3	27	73	106
50%	-53	-1	-24	6	-1	1	-1	-5	4	23	2	29
75%	-1	-21	-2	0	0	0	0	0	3	3	10	2
99.9%	2	0	0	0	0	0	0	0	0	1	0	2

Table G.1-11-7-D. Sacramento River at Threemile Slough, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	12	-23	4	9	9	-5	-44	-61	-62	-76	-47	3
Wet Water Years	-6	10	-1	0	0	0	0	1	0	2	11	3
Above Normal Water Years	31	-107	-21	0	0	1	2	2	1	6	14	-1
Below Normal Water Years	9	-85	28	4	0	1	1	13	5	7	-18	7
Dry Water Years	7	-8	-10	-13	-5	-4	0	4	18	22	26	45
Critical Water Years	66	-59	15	52	51	-22	-237	-289	-341	-514	-316	-2

Table G.1-11-8-A. Sacramento River at Threemile Slough, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	2162	3093	1806	2256	1408	514	469	751	1278	1179	1428	1795
1%	2132	2178	1799	1257	648	426	452	706	1240	1082	1422	1754
5%	2000	1721	1325	883	399	282	318	527	1040	1035	1342	1640
10%	1881	1595	932	632	284	232	253	352	528	728	1312	1598
25%	1408	1262	694	363	214	199	207	245	352	475	979	1392
50%	960	538	363	216	189	191	191	200	280	302	465	928
75%	240	381	206	182	180	181	183	186	227	225	312	256
99.9%	183	178	176	176	177	177	177	173	176	184	208	188

Table G.1-11-8-B. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	878	816	500	336	229	204	210	243	353	405	645	844
Wet Water Years	694	558	226	182	180	181	182	187	215	222	308	251
Above Normal Water Years	870	733	391	235	184	182	187	200	236	226	310	256
Below Normal Water Years	677	720	530	259	203	192	202	221	307	303	514	965
Dry Water Years	944	935	614	407	231	207	213	238	330	455	918	1264
Critical Water Years	1324	1324	745	529	353	322	542	760	1187	1406	1637	1625

Table G.1-11-8-C. Sacramento River at Threemile Slough, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	43	748	175	1082	745	-160	-830	-786	-358	-764	-738	-42
1%	131	-102	287	103	21	-19	-610	-734	-393	-724	-494	-50
5%	139	-179	187	-42	40	-23	-309	-426	-384	-657	-417	-33
10%	83	-103	-14	14	-15	-32	-125	-226	-652	-516	-249	-1
25%	14	11	5	-9	-4	1	-10	-7	3	27	73	106
50%	-53	-1	-24	6	-1	1	-1	-5	4	23	2	29
75%	-1	-21	-2	0	0	0	0	0	3	3	10	2
99.9%	2	0	0	0	0	0	0	0	0	1	0	2

Table G.1-11-8-D. Sacramento River at Threemile Slough, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	12	-23	4	9	9	-5	-44	-61	-62	-76	-47	3
Wet Water Years	24	17	-5	-1	0	0	0	1	-1	3	12	4
Above Normal Water Years	9	-97	-21	-5	0	0	-1	2	-2	7	16	1
Below Normal Water Years	0	-11	11	-3	-1	0	0	10	3	-3	-17	-5
Dry Water Years	15	-14	-11	3	0	-1	0	4	13	16	48	19
Critical Water Years	-6	2	-68	-80	28	23	-15	-53	0	-21	-13	-19

Table G.1-12-1-A. Sacramento River at Collinsville, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	12.5	12.7	10.2	8.7	6.5	5.7	8.5	9.8	9.2	10.6	11.5	11.7
1%	12.3	12.6	10.0	8.4	5.9	4.5	7.5	9.8	9.1	10.3	10.7	11.7
5%	11.9	11.7	8.9	7.4	3.7	2.8	5.0	7.7	8.7	9.9	10.3	11.3
10%	11.5	11.1	8.1	6.4	2.7	2.2	3.5	5.6	7.7	8.9	9.9	11.1
25%	10.4	10.0	6.9	3.8	1.2	0.6	1.5	2.3	3.5	5.2	7.6	10.0
50%	8.8	5.4	4.1	0.8	0.3	0.3	0.5	1.1	2.6	3.7	5.6	7.8
75%	2.4	4.6	0.7	0.2	0.2	0.2	0.2	0.4	1.6	2.3	3.7	2.6
99.9%	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	1.8	0.9

Table G.1-12-1-B. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	6.6	6.9	4.1	2.2	0.9	0.7	1.2	1.9	3.2	4.3	6.0	6.7
Wet Water Years	5.4	4.9	1.2	0.3	0.2	0.2	0.2	0.5	1.3	2.0	3.5	2.5
Above Normal Water Years	6.5	6.7	3.7	1.0	0.3	0.2	0.3	0.8	1.9	2.4	3.8	2.5
Below Normal Water Years	5.4	6.3	4.6	1.7	0.7	0.4	0.7	1.3	2.9	3.9	6.0	8.4
Dry Water Years	7.3	7.9	5.7	3.6	1.3	0.8	1.1	1.9	3.3	5.1	7.5	9.9
Critical Water Years	9.3	9.5	6.6	5.0	2.6	2.3	4.4	6.4	7.6	9.0	10.0	11.1

Table G.1-12-2-A. Sacramento River at Collinsville, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 1

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	11.4	12.3	9.7	9.2	5.9	4.3	4.5	6.6	8.9	8.8	9.3	10.7
1%	11.1	11.9	9.6	8.3	4.9	4.2	4.4	6.4	8.8	8.5	9.3	10.7
5%	10.9	11.2	9.2	7.6	4.2	3.0	3.7	5.7	7.8	8.2	9.1	10.3
10%	10.6	10.6	8.8	7.2	3.1	2.5	2.6	4.1	4.8	6.6	8.9	10.1
25%	9.4	9.4	7.9	5.7	1.5	0.8	1.5	2.5	3.5	5.0	7.5	9.4
50%	8.4	8.7	5.6	1.3	0.3	0.4	0.5	1.4	2.4	3.6	5.5	7.9
75%	7.1	7.0	0.9	0.2	0.2	0.2	0.2	0.4	1.5	2.5	4.9	6.4
99.9%	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	1.8	1.1

Table G.1-12-2-B. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 1

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	8.1	7.7	4.7	2.8	1.1	0.8	1.0	1.8	2.8	4.0	6.2	7.8
Wet Water Years	7.0	5.9	1.5	0.4	0.2	0.2	0.3	0.5	1.1	2.2	4.6	6.1
Above Normal Water Years	8.3	7.8	4.1	1.2	0.3	0.3	0.3	0.9	1.6	2.4	4.8	6.6
Below Normal Water Years	7.8	7.3	5.3	2.4	0.9	0.5	0.8	1.5	2.4	3.6	5.7	7.5
Dry Water Years	8.6	8.8	6.7	4.7	1.5	1.0	1.2	2.0	3.3	5.0	7.3	9.2
Critical Water Years	9.3	9.7	7.1	5.7	2.9	2.2	2.9	4.7	6.3	7.4	8.9	10.2

Table G.1-12-2-C. Sacramento River at Collinsville, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 1 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	-1.1	-0.3	-0.5	0.5	-0.6	-1.5	-4.0	-3.2	-0.3	-1.8	-2.1	-1.0
1%	-1.3	-0.6	-0.4	-0.1	-1.0	-0.3	-3.1	-3.4	-0.3	-1.7	-1.4	-1.0
5%	-1.0	-0.5	0.2	0.2	0.4	0.1	-1.3	-2.1	-1.0	-1.7	-1.2	-1.0
10%	-1.0	-0.5	0.7	0.8	0.4	0.2	-0.9	-1.5	-2.9	-2.3	-1.0	-1.0
25%	-1.0	-0.5	1.1	1.9	0.2	0.2	0.0	0.1	0.0	-0.2	-0.2	-0.6
50%	-0.4	3.2	1.5	0.5	0.1	0.1	0.1	0.3	-0.2	-0.1	-0.1	0.2
75%	4.7	2.4	0.2	0.0	0.0	0.0	0.0	0.0	-0.1	0.2	1.2	3.9
99.9%	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2

Table G.1-12-2-D. Sacramento River at Collinsville, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 1 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	1.4	0.8	0.6	0.6	0.2	0.0	-0.2	-0.1	-0.4	-0.3	0.2	1.1
Wet Water Years	1.6	1.0	0.3	0.1	0.0	0.0	0.0	0.1	-0.2	0.1	1.1	3.6
Above Normal Water Years	1.8	1.0	0.4	0.2	0.0	0.0	0.0	0.2	-0.3	0.0	1.0	4.1
Below Normal Water Years	2.4	1.0	0.7	0.7	0.2	0.1	0.1	0.3	-0.5	-0.3	-0.3	-0.9
Dry Water Years	1.4	0.9	1.0	1.1	0.3	0.1	0.1	0.2	0.1	-0.1	-0.2	-0.7
Critical Water Years	0.0	0.2	0.5	0.7	0.3	-0.2	-1.4	-1.6	-1.3	-1.6	-1.1	-0.9

Table G.1-12-3-A. Sacramento River at Collinsville, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 With TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	12.6	12.4	10.7	8.8	6.5	5.5	8.5	9.4	9.3	10.1	10.6	11.7
1%	12.5	11.9	10.6	8.5	4.9	4.6	7.5	9.2	9.1	10.1	10.5	11.7
5%	11.8	11.7	8.9	6.5	3.2	2.8	4.9	8.0	8.7	9.7	10.4	11.2
10%	11.5	11.0	8.1	6.0	2.5	2.3	3.0	5.3	7.9	9.1	9.8	11.1
25%	10.3	9.9	6.9	3.5	1.0	0.6	1.6	2.5	3.8	5.2	7.9	10.3
50%	8.5	5.4	3.7	0.9	0.3	0.3	0.5	1.4	2.6	3.7	5.5	8.4
75%	2.4	4.4	0.7	0.2	0.2	0.2	0.2	0.4	1.5	2.4	3.9	2.7
99.9%	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	1.8	1.1

Table G.1-12-3-B. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 With TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	6.7	6.8	4.1	2.0	0.9	0.7	1.2	2.0	3.2	4.3	6.0	6.8
Wet Water Years	5.4	4.9	1.1	0.2	0.2	0.2	0.3	0.5	1.3	2.1	3.7	2.5
Above Normal Water Years	6.6	6.3	3.5	1.0	0.3	0.2	0.3	0.9	1.9	2.4	3.9	2.7
Below Normal Water Years	5.4	6.2	4.7	1.7	0.7	0.4	0.8	1.5	3.0	3.8	5.8	8.5
Dry Water Years	7.3	7.9	5.8	3.4	1.1	0.8	1.2	2.0	3.4	5.1	7.6	10.1
Critical Water Years	9.4	9.5	6.6	4.4	2.4	2.4	4.2	6.2	7.4	8.9	9.9	11.1

Table G.1-12-3-C. Sacramento River at Collinsville, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), 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	-0.3	0.6	0.1	0.1	-0.2	0.0	-0.4	0.1	-0.5	-0.9	0.0
1%	0.2	-0.6	0.6	0.1	-1.0	0.1	0.0	-0.6	0.0	-0.2	-0.2	0.0
5%	-0.1	0.0	-0.1	-0.9	-0.5	0.0	-0.2	0.3	0.0	-0.2	0.0	0.0
10%	-0.1	-0.1	0.0	-0.3	-0.2	0.0	-0.6	-0.3	0.2	0.2	-0.2	0.0
25%	-0.1	0.0	0.1	-0.4	-0.2	0.0	0.1	0.2	0.2	0.0	0.3	0.3
50%	-0.3	0.0	-0.4	0.0	0.0	0.0	0.0	0.3	0.0	0.0	-0.1	0.6
75%	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	0.1	0.2	0.1
99.9%	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2

Table G.1-12-3-D. Sacramento River at Collinsville, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), 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	-0.1	0.0	-0.1	-0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Wet Water Years	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.2	0.1
Above Normal Water Years	0.1	-0.4	-0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.1	0.2
Below Normal Water Years	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.3	0.1	-0.1	-0.2	0.2
Dry Water Years	0.0	-0.1	0.1	-0.2	-0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Critical Water Years	0.1	0.0	0.1	-0.5	-0.2	0.1	-0.1	-0.2	-0.1	-0.1	-0.1	0.0

Table G.1-12-4-A. Sacramento River at Collinsville, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 Without TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	12.6	11.9	10.4	11.4	6.6	4.9	5.2	6.8	8.7	8.9	9.3	11.7
1%	12.5	11.8	9.9	8.6	4.9	4.6	4.4	6.2	8.5	8.5	9.2	11.6
5%	12.2	11.1	8.9	7.2	3.9	2.8	3.5	5.4	7.7	8.1	9.1	11.2
10%	12.0	10.5	8.2	6.3	2.5	1.6	2.5	3.8	4.9	6.7	8.9	11.1
25%	10.4	9.9	6.9	3.4	1.0	0.5	1.3	2.5	3.7	5.2	7.9	10.3
50%	8.6	5.4	3.8	0.9	0.3	0.3	0.5	1.4	2.6	3.7	5.5	8.4
75%	2.4	4.4	0.7	0.2	0.2	0.2	0.2	0.4	1.5	2.4	3.9	2.7
99.9%	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	1.8	1.1

Table G.1-12-4-B. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 Without TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	6.7	6.7	4.1	2.1	0.9	0.7	1.0	1.8	3.0	4.0	5.9	6.8
Wet Water Years	5.4	4.9	1.1	0.2	0.2	0.2	0.3	0.5	1.3	2.1	3.7	2.5
Above Normal Water Years	6.6	6.3	3.4	1.0	0.3	0.2	0.3	0.9	1.9	2.4	3.9	2.7
Below Normal Water Years	5.6	6.1	4.8	1.7	0.7	0.4	0.8	1.5	3.0	3.8	5.8	8.6
Dry Water Years	7.3	7.8	5.7	3.3	1.1	0.8	1.2	2.0	3.4	5.1	7.6	10.1
Critical Water Years	9.5	9.2	6.5	4.9	2.5	2.0	2.9	4.7	6.2	7.3	8.9	11.2

Table G.1-12-4-C. Sacramento River at Collinsville, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), 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	-0.8	0.2	2.7	0.1	-0.9	-3.3	-3.0	-0.5	-1.7	-2.1	0.0
1%	0.2	-0.8	-0.1	0.2	-0.9	0.1	-3.1	-3.6	-0.6	-1.8	-1.5	0.0
5%	0.2	-0.6	0.0	-0.3	0.2	-0.1	-1.5	-2.4	-1.0	-1.8	-1.2	0.0
10%	0.5	-0.6	0.1	0.0	-0.2	-0.6	-1.0	-1.8	-2.8	-2.2	-1.0	0.1
25%	0.0	-0.1	0.0	-0.4	-0.2	-0.1	-0.2	0.2	0.2	0.0	0.3	0.3
50%	-0.3	0.0	-0.3	0.0	0.0	0.0	0.0	0.3	0.0	0.0	-0.1	0.6
75%	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	0.1	0.2	0.1
99.9%	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2

Table G.1-12-4-D. Sacramento River at Collinsville, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), 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	0.1	-0.2	0.0	-0.1	-0.1	-0.1	-0.2	-0.1	-0.2	-0.2	-0.1	0.1
Wet Water Years	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.2	0.1
Above Normal Water Years	0.1	-0.4	-0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.1	0.2
Below Normal Water Years	0.1	-0.1	0.2	0.1	0.0	0.0	0.0	0.3	0.1	-0.1	-0.2	0.2
Dry Water Years	0.1	-0.1	0.0	-0.3	-0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1
Critical Water Years	0.2	-0.3	0.0	-0.1	-0.1	-0.3	-1.5	-1.7	-1.4	-1.7	-1.1	0.1

Table G.1-12-5-A. Sacramento River at Collinsville, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 Without TUCP Delta VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	12.6	12.2	10.8	11.6	9.7	5.1	5.3	6.8	8.7	8.8	9.3	11.7
1%	12.6	11.7	10.7	8.8	6.7	4.6	4.7	6.2	8.6	8.4	9.2	11.7
5%	12.4	11.2	8.8	7.1	3.2	2.7	3.4	5.3	7.7	8.0	9.1	11.2
10%	12.1	10.6	7.9	6.3	2.7	1.6	2.4	3.8	4.9	6.6	8.9	11.1
25%	10.5	9.9	6.8	3.5	1.0	0.5	1.2	2.5	3.8	5.1	7.9	10.3
50%	8.9	5.5	3.7	1.0	0.3	0.3	0.4	1.4	2.7	3.7	5.5	8.4
75%	2.4	4.6	0.7	0.2	0.2	0.2	0.2	0.4	1.5	2.3	3.9	2.7
99.9%	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	1.8	1.1

Table G.1-12-5-B. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 Without TUCP Delta VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	6.7	6.7	4.1	2.1	0.9	0.6	0.9	1.8	3.0	4.0	5.8	6.8
Wet Water Years	5.5	4.9	1.1	0.3	0.2	0.2	0.3	0.5	1.4	2.1	3.6	2.5
Above Normal Water Years	6.6	6.3	3.4	1.0	0.3	0.2	0.3	0.8	2.0	2.4	3.8	2.7
Below Normal Water Years	5.5	6.1	4.7	1.7	0.7	0.4	0.7	1.5	3.0	3.8	5.8	8.6
Dry Water Years	7.3	7.8	5.7	3.4	1.2	0.7	1.0	2.0	3.4	5.1	7.6	10.1
Critical Water Years	9.5	9.2	6.6	4.9	2.8	2.0	2.9	4.7	6.2	7.3	8.9	11.2

Table G.1-12-5-C. Sacramento River at Collinsville, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), 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	-0.5	0.7	2.9	3.2	-0.7	-3.2	-3.0	-0.5	-1.8	-2.1	0.0
1%	0.3	-0.8	0.7	0.4	0.8	0.1	-2.9	-3.6	-0.5	-1.9	-1.5	0.0
5%	0.5	-0.6	-0.1	-0.3	-0.5	-0.2	-1.6	-2.4	-1.0	-1.8	-1.2	0.0
10%	0.5	-0.5	-0.3	-0.1	0.0	-0.7	-1.1	-1.8	-2.8	-2.3	-1.0	0.1
25%	0.1	0.0	0.0	-0.3	-0.2	-0.1	-0.3	0.2	0.3	-0.1	0.2	0.3
50%	0.1	0.0	-0.4	0.1	0.0	0.0	0.0	0.3	0.0	0.0	-0.1	0.6
75%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1
99.9%	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2

Table G.1-12-5-D. Sacramento River at Collinsville, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), 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	0.1	-0.2	0.0	0.0	0.0	-0.1	-0.3	-0.2	-0.2	-0.2	-0.2	0.1
Wet Water Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1
Above Normal Water Years	0.1	-0.4	-0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Below Normal Water Years	0.1	-0.2	0.1	0.1	0.0	-0.1	-0.1	0.3	0.1	0.0	-0.2	0.2
Dry Water Years	0.0	-0.1	0.0	-0.2	-0.1	-0.1	-0.1	0.1	0.1	0.1	0.1	0.2
Critical Water Years	0.2	-0.3	0.0	-0.1	0.2	-0.3	-1.5	-1.7	-1.4	-1.7	-1.1	0.1

Table G.1-12-6-A. Sacramento River at Collinsville, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	12.6	13.4	10.8	11.5	9.8	5.0	5.1	6.5	8.4	8.8	9.2	11.7
1%	12.6	12.4	10.7	8.9	6.6	4.6	4.3	5.9	7.8	8.2	9.1	11.6
5%	12.3	11.2	9.2	7.3	3.7	2.6	3.2	4.7	7.1	8.0	9.1	11.3
10%	12.0	10.8	8.0	6.3	2.7	1.5	2.2	3.5	4.5	6.6	8.9	11.1
25%	10.5	9.9	6.9	3.5	1.0	0.5	1.0	2.1	3.6	5.2	7.9	10.3
50%	8.7	5.5	3.8	0.9	0.3	0.3	0.4	1.0	2.7	3.8	5.5	8.4
75%	2.4	4.6	0.7	0.2	0.2	0.2	0.2	0.4	1.6	2.3	3.8	2.7
99.9%	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	1.8	1.1

Table G.1-12-6-B. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	6.7	6.7	4.0	2.1	1.0	0.6	0.8	1.5	2.9	4.0	5.8	6.8
Wet Water Years	5.5	5.0	1.2	0.3	0.2	0.2	0.2	0.5	1.4	2.1	3.6	2.5
Above Normal Water Years	6.6	6.3	3.4	1.0	0.3	0.2	0.3	0.7	1.9	2.4	3.8	2.7
Below Normal Water Years	5.4	6.2	4.7	1.7	0.7	0.4	0.5	1.2	2.9	3.8	5.7	8.5
Dry Water Years	7.3	7.8	5.6	3.3	1.2	0.7	0.9	1.7	3.2	5.2	7.6	10.1
Critical Water Years	9.5	9.2	6.6	5.1	2.9	2.0	2.7	4.2	5.9	7.2	8.9	11.2

Table G.1-12-6-C. Sacramento River at Collinsville, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), 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%	0.2	0.8	0.7	2.8	3.3	-0.7	-3.4	-3.4	-0.8	-1.8	-2.3	0.0
1%	0.3	-0.1	0.7	0.5	0.7	0.1	-3.2	-3.9	-1.3	-2.1	-1.6	0.0
5%	0.4	-0.6	0.3	-0.1	0.0	-0.2	-1.8	-3.0	-1.6	-1.9	-1.3	0.0
10%	0.5	-0.3	-0.1	-0.1	0.0	-0.8	-1.4	-2.1	-3.2	-2.3	-1.1	0.1
25%	0.1	-0.1	0.0	-0.3	-0.2	-0.1	-0.5	-0.2	0.1	0.0	0.2	0.2
50%	-0.1	0.0	-0.3	0.1	0.0	0.0	-0.1	-0.1	0.1	0.1	-0.1	0.6
75%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1
99.9%	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2

Table G.1-12-6-D. Sacramento River at Collinsville, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), 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	0.1	-0.1	0.0	0.0	0.0	-0.1	-0.4	-0.4	-0.3	-0.3	-0.2	0.1
Wet Water Years	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1
Above Normal Water Years	0.1	-0.5	-0.3	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.1
Below Normal Water Years	0.0	-0.1	0.1	0.0	0.0	-0.1	-0.2	-0.1	0.0	0.0	-0.3	0.1
Dry Water Years	0.0	-0.1	-0.1	-0.3	-0.1	-0.1	-0.3	-0.2	0.0	0.1	0.1	0.1
Critical Water Years	0.2	-0.3	0.0	0.1	0.3	-0.4	-1.7	-2.2	-1.7	-1.8	-1.1	0.0

Table G.1-12-7-A. Sacramento River at Collinsville, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 3

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	12.6	13.4	10.8	11.5	9.8	5.0	5.1	6.5	8.4	8.8	9.2	11.7
1%	12.6	12.4	10.7	8.9	6.6	4.6	4.3	5.9	7.8	8.2	9.1	11.6
5%	12.3	11.2	9.2	7.3	3.7	2.6	3.2	4.7	7.1	8.0	9.1	11.3
10%	12.0	10.8	8.0	6.3	2.7	1.5	2.2	3.5	4.5	6.6	8.9	11.1
25%	10.5	9.9	6.9	3.5	1.0	0.5	1.0	2.1	3.6	5.2	7.9	10.3
50%	8.7	5.5	3.8	0.9	0.3	0.3	0.4	1.0	2.7	3.8	5.5	8.4
75%	2.4	4.6	0.7	0.2	0.2	0.2	0.2	0.4	1.6	2.3	3.8	2.7
99.9%	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	1.8	1.1

Table G.1-12-7-B. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 3

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	6.7	6.7	4.0	2.1	1.0	0.6	0.8	1.5	2.9	4.0	5.8	6.8
Wet Water Years	5.5	4.9	1.1	0.3	0.2	0.2	0.3	0.5	1.4	2.1	3.6	2.5
Above Normal Water Years	6.6	6.3	3.4	1.0	0.3	0.2	0.3	0.8	2.0	2.4	3.8	2.7
Below Normal Water Years	5.5	6.1	4.7	1.7	0.7	0.4	0.7	1.5	3.0	3.8	5.8	8.6
Dry Water Years	7.3	7.8	5.7	3.4	1.2	0.7	1.0	2.0	3.4	5.1	7.6	10.1
Critical Water Years	9.5	9.2	6.6	4.9	2.8	2.0	2.9	4.7	6.2	7.3	8.9	11.2

Table G.1-12-7-C. Sacramento River at Collinsville, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 3 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	0.2	0.8	0.7	2.8	3.3	-0.7	-3.4	-3.4	-0.8	-1.8	-2.3	0.0
1%	0.3	-0.1	0.7	0.5	0.7	0.1	-3.2	-3.9	-1.3	-2.1	-1.6	0.0
5%	0.4	-0.6	0.3	-0.1	0.0	-0.2	-1.8	-3.0	-1.6	-1.9	-1.3	0.0
10%	0.5	-0.3	-0.1	-0.1	0.0	-0.8	-1.4	-2.1	-3.2	-2.3	-1.1	0.1
25%	0.1	-0.1	0.0	-0.3	-0.2	-0.1	-0.5	-0.2	0.1	0.0	0.2	0.2
50%	-0.1	0.0	-0.3	0.1	0.0	0.0	-0.1	-0.1	0.1	0.1	-0.1	0.6
75%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1
99.9%	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2

Table G.1-12-7-D. Sacramento River at Collinsville, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), 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	0.0	0.0	0.0	-0.1	-0.4	-0.4	-0.3	-0.3	-0.2	0.1
Wet Water Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1
Above Normal Water Years	0.1	-0.4	-0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
Below Normal Water Years	0.1	-0.2	0.1	0.1	0.0	-0.1	-0.1	0.3	0.1	0.0	-0.2	0.2
Dry Water Years	0.0	-0.1	0.0	-0.2	-0.1	-0.1	-0.1	0.1	0.1	0.1	0.1	0.2
Critical Water Years	0.2	-0.3	0.0	-0.1	0.2	-0.3	-1.5	-1.7	-1.4	-1.7	-1.1	0.1

Table G.1-12-8-A. Sacramento River at Collinsville, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 4

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	12.6	13.4	10.8	11.5	9.8	5.0	5.1	6.5	8.4	8.8	9.2	11.7
1%	12.6	12.4	10.7	8.9	6.6	4.6	4.3	5.9	7.8	8.2	9.1	11.6
5%	12.3	11.2	9.2	7.3	3.7	2.6	3.2	4.7	7.1	8.0	9.1	11.3
10%	12.0	10.8	8.0	6.3	2.7	1.5	2.2	3.5	4.5	6.6	8.9	11.1
25%	10.5	9.9	6.9	3.5	1.0	0.5	1.0	2.1	3.6	5.2	7.9	10.3
50%	8.7	5.5	3.8	0.9	0.3	0.3	0.4	1.0	2.7	3.8	5.5	8.4
75%	2.4	4.6	0.7	0.2	0.2	0.2	0.2	0.4	1.6	2.3	3.8	2.7
99.9%	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	1.8	1.1

Table G.1-12-8-B. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 4

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	6.7	6.7	4.0	2.1	1.0	0.6	0.8	1.5	2.9	4.0	5.8	6.8
Wet Water Years	5.6	5.0	1.1	0.2	0.2	0.2	0.3	0.5	1.3	2.1	3.7	2.5
Above Normal Water Years	6.6	6.3	3.4	1.0	0.3	0.2	0.3	0.9	1.9	2.4	3.9	2.7
Below Normal Water Years	5.5	6.3	4.6	1.7	0.7	0.4	0.8	1.5	3.0	3.7	5.7	8.6
Dry Water Years	7.3	7.8	5.6	3.6	1.3	0.8	1.2	2.0	3.3	5.0	7.3	10.0
Critical Water Years	9.4	9.5	6.3	4.5	2.8	2.6	4.3	6.2	7.5	8.9	9.9	11.1

Table G.1-12-8-C. Sacramento River at Collinsville, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 4 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	0.2	0.8	0.7	2.8	3.3	-0.7	-3.4	-3.4	-0.8	-1.8	-2.3	0.0
1%	0.3	-0.1	0.7	0.5	0.7	0.1	-3.2	-3.9	-1.3	-2.1	-1.6	0.0
5%	0.4	-0.6	0.3	-0.1	0.0	-0.2	-1.8	-3.0	-1.6	-1.9	-1.3	0.0
10%	0.5	-0.3	-0.1	-0.1	0.0	-0.8	-1.4	-2.1	-3.2	-2.3	-1.1	0.1
25%	0.1	-0.1	0.0	-0.3	-0.2	-0.1	-0.5	-0.2	0.1	0.0	0.2	0.2
50%	-0.1	0.0	-0.3	0.1	0.0	0.0	-0.1	-0.1	0.1	0.1	-0.1	0.6
75%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1
99.9%	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2

Table G.1-12-8-D. Sacramento River at Collinsville, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 4 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0.1	-0.1	0.0	0.0	0.0	-0.1	-0.4	-0.4	-0.3	-0.3	-0.2	0.1
Wet Water Years	0.1	0.1	-0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.2	0.1
Above Normal Water Years	0.1	-0.4	-0.3	-0.1	0.0	0.0	0.0	0.2	0.0	0.1	0.1	0.2
Below Normal Water Years	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	-0.2	-0.3	0.2
Dry Water Years	0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.1	0.1	-0.1	-0.2	0.1
Critical Water Years	0.1	0.0	-0.2	-0.5	0.2	0.3	-0.1	-0.2	-0.1	-0.1	-0.1	0.0

Table G.1-13-1-A. Montezuma Slough at National Steel, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	12.9	12.3	10.6	8.4	6.2	5.3	7.9	9.4	11.7	14.0	15.3	11.3
1%	12.2	12.1	10.4	8.0	5.6	4.5	7.0	9.3	11.6	13.5	14.6	11.3
5%	11.6	11.4	9.8	7.4	3.6	3.7	6.5	7.7	10.8	13.1	14.0	11.0
10%	11.2	10.7	9.5	6.4	3.2	2.8	4.7	6.8	9.9	12.2	13.5	10.7
25%	10.2	9.6	7.6	4.7	1.5	0.9	2.0	3.6	5.1	7.0	9.1	9.8
50%	8.8	7.4	4.4	1.3	0.4	0.4	0.7	1.8	3.8	4.3	5.9	8.7
75%	4.4	6.4	1.4	0.2	0.2	0.2	0.2	0.5	2.1	2.9	5.1	5.0
99.9%	1.1	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.9	2.7	2.2

Table G.1-13-1-B. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	7.4	7.5	4.7	2.4	1.1	0.9	1.6	2.5	4.2	5.4	7.2	7.6
Wet Water Years	6.3	5.6	1.7	0.4	0.2	0.2	0.3	0.6	1.8	3.3	5.2	4.9
Above Normal Water Years	7.3	7.5	4.4	1.1	0.3	0.3	0.4	1.1	2.7	2.2	3.6	4.0
Below Normal Water Years	6.6	7.3	5.4	2.0	1.0	0.7	1.1	1.9	3.7	3.7	5.8	8.9
Dry Water Years	7.9	8.4	6.4	4.0	1.4	1.2	1.7	3.0	4.7	6.4	8.6	9.6
Critical Water Years	9.5	9.6	7.0	5.3	2.8	2.7	5.2	7.0	9.5	12.0	13.5	10.8

Table G.1-13-2-A. Montezuma Slough at National Steel, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 1

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	15.4	16.0	13.7	12.5	9.7	7.5	7.3	8.7	11.5	12.3	12.8	14.3
1%	15.3	15.9	13.7	11.9	8.9	7.2	7.2	8.6	11.4	12.1	12.8	14.3
5%	14.8	15.4	13.1	11.6	7.9	5.0	5.2	7.4	10.2	11.6	12.5	13.9
10%	14.7	14.8	12.9	10.9	6.3	4.0	4.7	5.7	7.5	9.2	12.0	13.6
25%	13.5	13.4	12.2	9.7	3.4	1.5	2.3	4.0	5.4	7.4	10.2	12.5
50%	12.2	12.4	9.7	3.3	0.6	0.6	0.8	2.3	3.9	5.5	7.9	10.5
75%	10.6	10.9	2.1	0.3	0.2	0.2	0.3	0.6	2.1	4.1	6.7	9.4
99.9%	1.6	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.9	2.7	2.4

Table G.1-13-2-B. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 1

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	11.7	11.3	7.6	4.6	2.2	1.4	1.6	2.6	4.1	5.9	8.5	10.8
Wet Water Years	10.4	9.0	2.8	0.6	0.2	0.2	0.3	0.7	1.7	3.4	6.3	8.8
Above Normal Water Years	12.1	11.3	7.1	2.3	0.5	0.3	0.5	1.3	2.6	4.0	6.6	9.5
Below Normal Water Years	11.4	11.0	8.2	4.3	1.9	1.0	1.3	2.3	3.8	5.5	8.0	10.4
Dry Water Years	12.4	12.7	10.6	7.9	3.3	1.8	2.1	3.2	5.0	7.2	10.0	12.4
Critical Water Years	13.1	13.6	11.0	8.9	5.7	3.9	4.6	6.6	8.8	10.4	12.1	13.8

Table G.1-13-2-C. Montezuma Slough at National Steel, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 1 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	2.5	3.7	3.2	4.1	3.6	2.2	-0.5	-0.7	-0.2	-1.8	-2.5	3.0
1%	3.1	3.8	3.3	3.8	3.3	2.7	0.1	-0.7	-0.2	-1.5	-1.7	3.0
5%	3.2	4.0	3.4	4.2	4.3	1.4	-1.2	-0.2	-0.6	-1.4	-1.5	2.9
10%	3.5	4.1	3.4	4.5	3.1	1.2	0.0	-1.1	-2.4	-3.0	-1.5	2.9
25%	3.4	3.8	4.6	5.1	1.9	0.6	0.3	0.4	0.3	0.5	1.1	2.7
50%	3.4	5.0	5.2	2.0	0.2	0.1	0.1	0.5	0.0	1.3	2.0	1.8
75%	6.2	4.5	0.7	0.0	0.0	0.0	0.0	0.1	0.0	1.1	1.5	4.4
99.9%	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3

Table G.1-13-2-D. Montezuma Slough at National Steel, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 1 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	4.3	3.8	2.8	2.2	1.1	0.4	0.1	0.1	-0.1	0.5	1.2	3.3
Wet Water Years	4.1	3.4	1.1	0.3	0.0	0.0	0.0	0.1	-0.1	0.0	1.1	3.9
Above Normal Water Years	4.8	3.8	2.7	1.2	0.2	0.1	0.1	0.2	-0.2	1.7	3.1	5.5
Below Normal Water Years	4.7	3.7	2.8	2.3	0.9	0.3	0.2	0.4	0.0	1.8	2.2	1.5
Dry Water Years	4.5	4.3	4.2	3.9	1.9	0.6	0.3	0.3	0.3	0.9	1.4	2.8
Critical Water Years	3.6	4.0	3.9	3.6	2.9	1.2	-0.6	-0.4	-0.7	-1.6	-1.4	3.0

Table G.1-13-3-A. Montezuma Slough at National Steel, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 With TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	12.8	12.0	10.6	8.4	6.3	5.1	7.8	8.9	11.4	13.6	14.5	11.3
1%	12.2	11.5	10.4	8.1	4.7	4.3	7.1	8.8	11.1	13.3	14.3	11.3
5%	11.6	11.3	9.6	6.6	3.8	3.9	6.1	7.8	10.9	12.8	14.0	10.9
10%	11.3	10.6	9.1	6.1	3.0	2.7	4.8	6.1	9.3	12.2	13.6	10.8
25%	10.1	9.6	7.5	4.2	1.5	0.9	2.1	3.9	5.4	7.0	9.1	9.9
50%	8.5	7.4	4.2	1.2	0.4	0.4	0.7	2.1	4.0	4.5	5.9	8.2
75%	4.4	5.6	1.3	0.2	0.2	0.2	0.2	0.6	2.2	3.2	5.2	5.2
99.9%	1.1	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.9	2.7	2.4

Table G.1-13-3-B. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 With TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	7.1	7.3	4.6	2.2	1.0	0.9	1.6	2.6	4.3	5.5	7.3	7.4
Wet Water Years	5.9	5.5	1.6	0.3	0.2	0.2	0.3	0.7	1.9	3.4	5.4	5.0
Above Normal Water Years	7.1	7.0	4.4	1.1	0.3	0.3	0.4	1.3	2.9	2.5	3.8	2.9
Below Normal Water Years	6.5	7.2	5.5	2.1	0.9	0.7	1.1	2.3	3.8	3.9	5.6	8.3
Dry Water Years	7.5	8.2	6.2	3.7	1.4	1.2	1.8	3.1	4.9	6.5	8.7	9.7
Critical Water Years	9.2	9.3	6.9	4.6	2.7	2.7	5.2	6.8	9.4	11.9	13.4	10.8

Table G.1-13-3-C. Montezuma Slough at National Steel, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), 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	-0.3	0.0	0.0	0.1	-0.2	0.0	-0.5	-0.2	-0.4	-0.8	0.0
1%	0.0	-0.6	0.0	0.1	-0.8	-0.1	0.0	-0.5	-0.5	-0.2	-0.2	0.0
5%	-0.1	-0.1	-0.2	-0.7	0.2	0.2	-0.4	0.2	0.1	-0.3	-0.1	-0.1
10%	0.1	-0.1	-0.4	-0.3	-0.1	-0.1	0.1	-0.7	-0.6	0.0	0.1	0.1
25%	-0.1	0.1	-0.1	-0.4	-0.1	0.0	0.1	0.3	0.3	0.0	0.0	0.2
50%	-0.3	0.0	-0.2	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.0	-0.5
75%	0.0	-0.8	-0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.1	0.1
99.9%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3

Table G.1-13-3-D. Montezuma Slough at National Steel, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), 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	-0.3	-0.2	-0.1	-0.2	0.0	0.0	0.0	0.1	0.1	0.1	0.1	-0.2
Wet Water Years	-0.4	-0.1	-0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.1
Above Normal Water Years	-0.2	-0.5	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.3	0.2	-1.1
Below Normal Water Years	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.2	-0.2	-0.6
Dry Water Years	-0.4	-0.2	-0.2	-0.3	-0.1	0.0	0.1	0.2	0.2	0.2	0.2	0.1
Critical Water Years	-0.3	-0.2	-0.1	-0.7	0.0	0.0	-0.1	-0.2	-0.1	-0.2	-0.1	0.0

Table G.1-13-4-A. Montezuma Slough at National Steel, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 Without TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	12.2	11.5	10.7	11.0	6.3	4.5	5.5	7.9	11.1	12.3	12.8	11.3
1%	12.2	11.3	10.6	8.2	4.9	4.2	5.3	7.8	11.0	11.8	12.8	11.2
5%	11.8	10.7	9.6	6.7	3.7	3.9	4.8	6.5	9.7	11.5	12.4	10.9
10%	11.6	10.2	9.1	6.2	2.9	2.6	4.1	5.4	6.9	9.1	12.0	10.8
25%	10.1	9.6	7.5	4.1	1.5	0.8	2.0	3.9	5.4	6.9	9.1	10.0
50%	8.7	7.4	4.4	1.3	0.4	0.4	0.7	2.1	4.0	4.5	5.9	8.2
75%	4.4	5.6	1.3	0.2	0.2	0.2	0.2	0.6	2.2	3.2	5.2	5.2
99.9%	1.1	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.9	2.7	2.4

Table G.1-13-4-B. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 Without TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	7.1	7.2	4.6	2.4	1.0	0.9	1.4	2.5	4.1	5.2	7.1	7.4
Wet Water Years	5.9	5.5	1.6	0.3	0.2	0.2	0.3	0.7	1.9	3.4	5.4	5.0
Above Normal Water Years	7.1	6.9	4.3	1.1	0.3	0.3	0.4	1.3	2.9	2.5	3.8	2.9
Below Normal Water Years	6.5	7.1	5.5	2.1	0.9	0.7	1.1	2.3	3.8	3.9	5.7	8.4
Dry Water Years	7.5	8.2	6.2	3.7	1.4	1.2	1.8	3.1	4.9	6.5	8.7	9.7
Critical Water Years	9.3	9.1	6.9	5.2	2.7	2.4	3.8	6.0	8.5	10.3	12.1	10.9

Table G.1-13-4-C. Montezuma Slough at National Steel, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), 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%	-0.6	-0.8	0.1	2.6	0.1	-0.9	-2.4	-1.4	-0.6	-1.7	-2.5	-0.1
1%	0.0	-0.8	0.2	0.2	-0.7	-0.3	-1.8	-1.4	-0.6	-1.7	-1.8	0.0
5%	0.2	-0.7	-0.2	-0.6	0.1	0.2	-1.7	-1.2	-1.0	-1.6	-1.6	-0.1
10%	0.4	-0.5	-0.4	-0.2	-0.2	-0.2	-0.6	-1.4	-3.0	-3.2	-1.5	0.1
25%	-0.1	0.0	-0.2	-0.6	0.0	0.0	0.1	0.3	0.3	0.0	0.0	0.2
50%	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.0	-0.5
75%	0.0	-0.8	-0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.1	0.1
99.9%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3

Table G.1-13-4-D. Montezuma Slough at National Steel, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), 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	-0.3	-0.3	-0.1	-0.1	0.0	0.0	-0.2	0.0	-0.1	-0.1	-0.1	-0.2
Wet Water Years	-0.4	-0.1	-0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.1
Above Normal Water Years	-0.2	-0.6	-0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.3	0.2	-1.1
Below Normal Water Years	-0.2	-0.2	0.1	0.1	0.0	0.0	0.0	0.3	0.1	0.2	-0.1	-0.5
Dry Water Years	-0.4	-0.3	-0.3	-0.3	-0.1	0.0	0.1	0.2	0.2	0.2	0.2	0.1
Critical Water Years	-0.1	-0.5	-0.1	-0.1	-0.1	-0.3	-1.4	-1.0	-1.0	-1.7	-1.4	0.1

Table G.1-13-5-A. Montezuma Slough at National Steel, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 Without TUCP Delta VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	12.2	11.8	10.7	11.2	9.4	4.7	5.4	8.0	11.1	12.3	12.8	11.3
1%	12.2	11.3	10.6	8.5	6.4	4.3	5.4	8.0	11.1	11.8	12.8	11.3
5%	12.0	10.8	10.0	6.8	3.3	3.5	4.7	6.5	9.7	11.5	12.4	10.9
10%	11.6	10.3	9.2	6.1	2.9	2.3	3.7	5.4	6.9	9.0	11.9	10.8
25%	10.1	9.6	7.4	4.4	1.6	0.8	1.7	3.7	5.4	6.9	9.1	9.9
50%	8.8	7.4	4.3	1.4	0.4	0.4	0.6	1.9	4.0	4.4	5.9	8.2
75%	4.4	5.6	1.3	0.2	0.2	0.2	0.2	0.6	2.1	3.2	5.1	5.1
99.9%	1.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.9	2.6	2.4

Table G.1-13-5-B. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 Without TUCP Delta VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	7.1	7.2	4.7	2.4	1.1	0.8	1.3	2.4	4.1	5.2	7.1	7.4
Wet Water Years	6.0	5.6	1.6	0.4	0.2	0.2	0.3	0.7	1.9	3.4	5.4	5.0
Above Normal Water Years	7.1	7.0	4.3	1.1	0.3	0.3	0.3	1.1	2.8	2.5	3.7	2.9
Below Normal Water Years	6.4	7.0	5.5	2.1	0.9	0.6	1.0	2.2	3.8	3.9	5.6	8.3
Dry Water Years	7.5	8.2	6.3	3.8	1.4	1.1	1.6	3.0	4.8	6.5	8.7	9.7
Critical Water Years	9.3	9.1	7.1	5.3	2.9	2.4	3.8	6.0	8.5	10.2	12.1	10.9

Table G.1-13-5-C. Montezuma Slough at National Steel, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), 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%	-0.6	-0.5	0.1	2.8	3.2	-0.6	-2.4	-1.4	-0.6	-1.8	-2.5	0.0
1%	0.1	-0.8	0.3	0.5	0.8	-0.2	-1.7	-1.3	-0.5	-1.7	-1.8	0.0
5%	0.4	-0.6	0.2	-0.6	-0.3	-0.2	-1.8	-1.2	-1.1	-1.6	-1.6	-0.1
10%	0.5	-0.4	-0.3	-0.3	-0.3	-0.5	-1.0	-1.4	-3.0	-3.2	-1.6	0.1
25%	0.0	0.0	-0.2	-0.2	0.0	-0.1	-0.3	0.2	0.3	0.0	0.0	0.1
50%	0.0	0.0	-0.1	0.1	0.0	-0.1	0.0	0.1	0.2	0.2	0.0	-0.4
75%	0.0	-0.8	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.0	0.1
99.9%	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3

Table G.1-13-5-D. Montezuma Slough at National Steel, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), 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	-0.3	-0.3	-0.1	0.0	0.0	-0.1	-0.3	-0.1	-0.1	-0.2	-0.2	-0.2
Wet Water Years	-0.3	0.0	-0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.1
Above Normal Water Years	-0.2	-0.5	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.1	-1.1
Below Normal Water Years	-0.2	-0.3	0.1	0.1	0.0	-0.1	-0.1	0.2	0.1	0.2	-0.2	-0.5
Dry Water Years	-0.4	-0.2	-0.2	-0.1	-0.1	-0.1	-0.2	0.0	0.1	0.2	0.1	0.1
Critical Water Years	-0.1	-0.4	0.1	0.0	0.2	-0.3	-1.4	-1.0	-1.0	-1.8	-1.4	0.1

Table G.1-13-6-A. Montezuma Slough at National Steel, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	12.2	13.0	10.7	11.1	9.5	4.6	5.5	7.8	10.8	12.1	12.7	11.3
1%	12.2	12.0	10.6	8.6	6.3	4.3	5.0	7.0	10.2	11.6	12.7	11.2
5%	11.9	10.8	10.0	7.3	3.7	3.4	4.3	6.1	9.2	11.2	12.3	10.9
10%	11.6	10.4	9.2	6.1	3.0	2.2	3.3	5.2	6.6	8.8	11.9	10.8
25%	10.1	9.6	7.4	4.4	1.5	0.8	1.5	3.3	5.3	6.9	9.2	9.9
50%	8.6	7.4	4.3	1.2	0.4	0.4	0.6	1.4	3.8	4.4	5.8	8.2
75%	4.4	5.6	1.3	0.2	0.2	0.2	0.2	0.5	2.1	3.3	5.1	5.1
99.9%	1.1	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.9	2.7	2.4

Table G.1-13-6-B. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	7.1	7.2	4.7	2.4	1.1	0.8	1.2	2.1	4.0	5.2	7.0	7.4
Wet Water Years	6.0	5.5	1.6	0.4	0.2	0.2	0.3	0.7	1.9	3.4	5.3	5.0
Above Normal Water Years	7.1	6.9	4.3	1.1	0.3	0.3	0.3	0.9	2.6	2.5	3.6	2.9
Below Normal Water Years	6.3	7.1	5.5	2.1	0.9	0.6	0.8	1.7	3.8	3.9	5.6	8.2
Dry Water Years	7.5	8.2	6.2	3.7	1.4	1.0	1.4	2.5	4.6	6.5	8.7	9.7
Critical Water Years	9.3	9.1	7.1	5.3	3.0	2.3	3.6	5.6	8.1	10.1	12.0	10.8

Table G.1-13-6-C. Montezuma Slough at National Steel, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), 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%	-0.6	0.7	0.1	2.7	3.3	-0.7	-2.4	-1.6	-0.9	-1.9	-2.6	0.0
1%	0.1	-0.1	0.3	0.6	0.8	-0.2	-2.0	-2.2	-1.4	-1.9	-1.9	0.0
5%	0.2	-0.6	0.2	-0.1	0.1	-0.3	-2.1	-1.6	-1.6	-1.8	-1.7	-0.1
10%	0.4	-0.3	-0.3	-0.3	-0.2	-0.6	-1.4	-1.6	-3.2	-3.4	-1.6	0.0
25%	-0.1	0.0	-0.2	-0.2	0.0	-0.1	-0.5	-0.3	0.2	0.0	0.1	0.1
50%	-0.1	-0.1	-0.2	0.0	0.0	-0.1	0.0	-0.4	-0.1	0.2	-0.1	-0.5
75%	0.0	-0.8	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1
99.9%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3

Table G.1-13-6-D. Montezuma Slough at National Steel, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), 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	-0.3	-0.3	-0.1	-0.1	0.0	-0.1	-0.4	-0.4	-0.2	-0.2	-0.2	-0.2
Wet Water Years	-0.3	-0.1	-0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.1
Above Normal Water Years	-0.2	-0.6	-0.1	0.0	0.0	0.0	-0.1	-0.2	-0.1	0.2	0.1	-1.1
Below Normal Water Years	-0.3	-0.2	0.1	0.0	0.0	-0.1	-0.3	-0.3	0.1	0.2	-0.2	-0.6
Dry Water Years	-0.4	-0.3	-0.3	-0.2	-0.1	-0.1	-0.4	-0.4	-0.1	0.2	0.1	0.1
Critical Water Years	-0.1	-0.5	0.1	0.0	0.3	-0.4	-1.6	-1.4	-1.5	-1.9	-1.5	0.0

Table G.1-13-7-A. Montezuma Slough at National Steel, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 3

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	12.2	13.0	10.7	11.1	9.5	4.6	5.5	7.8	10.8	12.1	12.7	11.3
1%	12.2	12.0	10.6	8.6	6.3	4.3	5.0	7.0	10.2	11.6	12.7	11.2
5%	11.9	10.8	10.0	7.3	3.7	3.4	4.3	6.1	9.2	11.2	12.3	10.9
10%	11.6	10.4	9.2	6.1	3.0	2.2	3.3	5.2	6.6	8.8	11.9	10.8
25%	10.1	9.6	7.4	4.4	1.5	0.8	1.5	3.3	5.3	6.9	9.2	9.9
50%	8.6	7.4	4.3	1.2	0.4	0.4	0.6	1.4	3.8	4.4	5.8	8.2
75%	4.4	5.6	1.3	0.2	0.2	0.2	0.2	0.5	2.1	3.3	5.1	5.1
99.9%	1.1	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.9	2.7	2.4

Table G.1-13-7-B. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 3

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	7.1	7.2	4.7	2.4	1.1	0.8	1.2	2.1	4.0	5.2	7.0	7.4
Wet Water Years	6.0	5.6	1.6	0.4	0.2	0.2	0.3	0.7	1.9	3.4	5.4	5.0
Above Normal Water Years	7.1	7.0	4.3	1.1	0.3	0.3	0.3	1.1	2.8	2.5	3.7	2.9
Below Normal Water Years	6.4	7.0	5.5	2.1	0.9	0.6	1.0	2.2	3.8	3.9	5.6	8.3
Dry Water Years	7.5	8.2	6.3	3.8	1.4	1.1	1.6	3.0	4.8	6.5	8.7	9.7
Critical Water Years	9.3	9.1	7.1	5.3	2.9	2.4	3.8	6.0	8.5	10.2	12.1	10.9

Table G.1-13-7-C. Montezuma Slough at National Steel, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 3 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	-0.6	0.7	0.1	2.7	3.3	-0.7	-2.4	-1.6	-0.9	-1.9	-2.6	0.0
1%	0.1	-0.1	0.3	0.6	0.8	-0.2	-2.0	-2.2	-1.4	-1.9	-1.9	0.0
5%	0.2	-0.6	0.2	-0.1	0.1	-0.3	-2.1	-1.6	-1.6	-1.8	-1.7	-0.1
10%	0.4	-0.3	-0.3	-0.3	-0.2	-0.6	-1.4	-1.6	-3.2	-3.4	-1.6	0.0
25%	-0.1	0.0	-0.2	-0.2	0.0	-0.1	-0.5	-0.3	0.2	0.0	0.1	0.1
50%	-0.1	-0.1	-0.2	0.0	0.0	-0.1	0.0	-0.4	-0.1	0.2	-0.1	-0.5
75%	0.0	-0.8	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1
99.9%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3

Table G.1-13-7-D. Montezuma Slough at National Steel, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 3 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	-0.3	-0.3	-0.1	-0.1	0.0	-0.1	-0.4	-0.4	-0.2	-0.2	-0.2	-0.2
Wet Water Years	-0.3	0.0	-0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.1
Above Normal Water Years	-0.2	-0.5	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.1	-1.1
Below Normal Water Years	-0.2	-0.3	0.1	0.1	0.0	-0.1	-0.1	0.2	0.1	0.2	-0.2	-0.5
Dry Water Years	-0.4	-0.2	-0.2	-0.1	-0.1	-0.1	-0.2	0.0	0.1	0.2	0.1	0.1
Critical Water Years	-0.1	-0.4	0.1	0.0	0.2	-0.3	-1.4	-1.0	-1.0	-1.8	-1.4	0.1

Table G.1-13-8-A. Montezuma Slough at National Steel, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 4

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	12.2	13.0	10.7	11.1	9.5	4.6	5.5	7.8	10.8	12.1	12.7	11.3
1%	12.2	12.0	10.6	8.6	6.3	4.3	5.0	7.0	10.2	11.6	12.7	11.2
5%	11.9	10.8	10.0	7.3	3.7	3.4	4.3	6.1	9.2	11.2	12.3	10.9
10%	11.6	10.4	9.2	6.1	3.0	2.2	3.3	5.2	6.6	8.8	11.9	10.8
25%	10.1	9.6	7.4	4.4	1.5	0.8	1.5	3.3	5.3	6.9	9.2	9.9
50%	8.6	7.4	4.3	1.2	0.4	0.4	0.6	1.4	3.8	4.4	5.8	8.2
75%	4.4	5.6	1.3	0.2	0.2	0.2	0.2	0.5	2.1	3.3	5.1	5.1
99.9%	1.1	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.9	2.7	2.4

Table G.1-13-8-B. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 4

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	7.1	7.2	4.7	2.4	1.1	0.8	1.2	2.1	4.0	5.2	7.0	7.4
Wet Water Years	6.1	5.5	1.5	0.3	0.2	0.2	0.3	0.7	1.8	3.4	5.4	5.0
Above Normal Water Years	7.1	7.0	4.2	1.2	0.3	0.3	0.4	1.3	2.9	2.5	3.8	2.9
Below Normal Water Years	6.5	7.2	5.4	2.0	0.9	0.7	1.1	2.3	3.9	3.8	5.6	8.3
Dry Water Years	7.5	8.2	6.1	4.1	1.5	1.2	1.8	3.2	5.0	7.2	10.0	9.7
Critical Water Years	9.2	9.4	6.7	4.9	3.0	2.9	5.2	6.8	9.4	11.9	13.4	10.8

Table G.1-13-8-C. Montezuma Slough at National Steel, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 4 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	-0.6	0.7	0.1	2.7	3.3	-0.7	-2.4	-1.6	-0.9	-1.9	-2.6	0.0
1%	0.1	-0.1	0.3	0.6	0.8	-0.2	-2.0	-2.2	-1.4	-1.9	-1.9	0.0
5%	0.2	-0.6	0.2	-0.1	0.1	-0.3	-2.1	-1.6	-1.6	-1.8	-1.7	-0.1
10%	0.4	-0.3	-0.3	-0.3	-0.2	-0.6	-1.4	-1.6	-3.2	-3.4	-1.6	0.0
25%	-0.1	0.0	-0.2	-0.2	0.0	-0.1	-0.5	-0.3	0.2	0.0	0.1	0.1
50%	-0.1	-0.1	-0.2	0.0	0.0	-0.1	0.0	-0.4	-0.1	0.2	-0.1	-0.5
75%	0.0	-0.8	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1
99.9%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3

Table G.1-13-8-D. Montezuma Slough at National Steel, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 4 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	-0.3	-0.3	-0.1	-0.1	0.0	-0.1	-0.4	-0.4	-0.2	-0.2	-0.2	-0.2
Wet Water Years	-0.2	-0.1	-0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.1
Above Normal Water Years	-0.2	-0.5	-0.2	0.1	0.0	0.0	0.0	0.2	0.1	0.3	0.2	-1.1
Below Normal Water Years	-0.1	-0.1	0.0	0.0	0.0	0.0	0.1	0.3	0.1	0.1	-0.2	-0.6
Dry Water Years	-0.4	-0.2	-0.4	0.1	0.0	0.0	0.1	0.2	0.3	0.9	1.4	0.1
Critical Water Years	-0.3	-0.2	-0.4	-0.5	0.2	0.2	0.0	-0.2	-0.2	-0.1	-0.1	0.0

Table G.1-14-1-A. Montezuma Slough near Beldon Landing, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	15.3	12.3	13.4	9.3	6.4	6.8	9.4	10.4	14.2	17.0	18.6	12.7
1%	13.8	12.1	13.2	8.8	6.1	6.5	9.1	10.0	14.1	16.8	17.9	12.3
5%	11.7	11.4	12.9	8.2	4.8	5.3	7.7	9.2	12.5	16.1	17.6	11.5
10%	11.4	10.8	11.6	7.5	3.8	4.1	6.7	7.7	12.1	15.1	17.1	11.2
25%	10.2	9.9	7.9	6.1	2.3	2.3	3.6	5.6	7.5	9.7	12.1	10.1
50%	9.0	9.4	6.3	2.1	1.1	0.9	1.4	3.2	5.6	5.4	7.6	9.3
75%	7.5	8.2	2.9	0.5	0.3	0.3	0.5	1.0	3.3	3.6	5.7	8.5
99.9%	1.7	0.9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.4	2.7	5.0

Table G.1-14-1-B. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	8.9	8.7	6.0	3.1	1.5	1.6	2.4	3.6	5.8	6.9	8.7	9.2
Wet Water Years	8.0	6.9	3.1	0.8	0.3	0.4	0.5	1.0	2.7	5.4	7.7	8.8
Above Normal Water Years	8.9	8.8	5.8	1.5	0.6	0.5	0.7	1.9	4.2	2.4	3.3	6.5
Below Normal Water Years	8.7	9.0	6.8	2.8	1.7	1.6	2.0	3.3	5.2	3.8	5.7	9.7
Dry Water Years	9.2	9.4	7.6	4.9	2.1	2.1	3.1	4.8	6.8	8.0	9.9	9.6
Critical Water Years	10.1	10.0	7.8	6.1	3.4	3.8	6.8	8.2	11.7	15.0	16.9	11.1

Table G.1-14-2-A. Montezuma Slough near Beldon Landing, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 1

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	19.3	19.5	17.4	15.8	14.1	11.4	10.8	11.4	14.4	15.7	16.5	17.9
1%	19.1	19.4	17.3	15.6	13.6	10.8	10.3	11.3	14.1	15.6	16.4	17.9
5%	18.7	19.1	16.9	15.0	12.5	7.7	8.3	10.1	12.9	14.9	16.2	17.7
10%	18.5	18.5	16.5	14.5	10.7	6.7	7.4	8.0	10.3	12.1	15.0	17.3
25%	17.5	17.1	15.9	13.4	8.0	4.0	4.0	6.3	7.8	10.1	13.1	15.9
50%	16.1	15.9	13.3	7.1	2.2	1.3	1.7	3.7	6.2	8.0	10.8	13.8
75%	14.6	14.4	5.9	0.8	0.4	0.3	0.5	1.2	3.3	6.4	9.1	13.0
99.9%	3.9	0.9	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.4	4.5	5.3

Table G.1-14-2-B. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 1

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	15.6	15.0	11.0	7.1	4.1	2.6	2.8	4.0	6.0	8.3	11.2	14.3
Wet Water Years	14.2	12.5	5.6	1.4	0.4	0.4	0.6	1.2	2.7	5.3	8.6	12.3
Above Normal Water Years	16.0	15.1	10.8	4.5	1.3	0.7	1.0	2.3	4.2	6.3	9.1	12.9
Below Normal Water Years	15.3	14.9	11.6	7.4	3.9	2.3	2.4	3.8	5.7	8.0	10.8	13.8
Dry Water Years	16.4	16.5	14.4	11.5	6.6	3.6	3.8	5.2	7.3	9.9	12.9	15.8
Critical Water Years	17.0	17.2	14.9	12.2	9.6	6.7	7.2	9.0	11.6	13.5	15.4	17.4

Table G.1-14-2-C. Montezuma Slough near Beldon Landing, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 1 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	3.9	7.2	4.0	6.6	7.7	4.6	1.4	0.9	0.2	-1.2	-2.2	5.2
1%	5.4	7.4	4.0	6.8	7.5	4.3	1.2	1.2	0.0	-1.2	-1.5	5.6
5%	7.0	7.7	4.0	6.7	7.7	2.4	0.6	0.9	0.4	-1.2	-1.5	6.3
10%	7.1	7.8	4.8	6.9	7.0	2.6	0.6	0.4	-1.8	-3.0	-2.1	6.2
25%	7.3	7.2	8.0	7.3	5.7	1.6	0.4	0.7	0.3	0.5	1.0	5.8
50%	7.1	6.6	7.0	5.0	1.1	0.5	0.3	0.5	0.6	2.5	3.1	4.5
75%	7.1	6.3	3.0	0.3	0.0	0.0	0.1	0.3	0.0	2.8	3.4	4.4
99.9%	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.3

Table G.1-14-2-D. Montezuma Slough near Beldon Landing, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 1 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	6.8	6.4	5.0	4.0	2.6	1.0	0.4	0.4	0.2	1.5	2.5	5.1
Wet Water Years	6.2	5.6	2.4	0.7	0.1	0.0	0.1	0.2	0.0	-0.1	0.9	3.5
Above Normal Water Years	7.1	6.3	5.1	3.0	0.8	0.2	0.2	0.4	0.0	3.9	5.8	6.5
Below Normal Water Years	6.6	5.9	4.8	4.6	2.2	0.7	0.4	0.5	0.6	4.2	5.1	4.1
Dry Water Years	7.2	7.0	6.8	6.5	4.5	1.5	0.7	0.4	0.5	1.9	3.0	6.2
Critical Water Years	6.9	7.1	7.1	6.1	6.2	3.0	0.4	0.9	-0.1	-1.5	-1.5	6.3

Table G.1-14-3-A. Montezuma Slough near Beldon Landing, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 With TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	15.1	11.9	13.6	8.3	6.5	6.6	9.4	10.4	14.0	16.7	18.0	11.6
1%	12.0	11.8	13.2	8.3	6.1	6.6	9.2	10.3	13.6	16.4	17.9	11.5
5%	11.7	11.2	12.3	7.9	5.0	5.2	7.7	8.6	12.5	15.9	17.7	11.3
10%	11.2	10.6	10.6	6.8	3.9	4.2	7.1	7.7	10.9	15.1	17.0	11.0
25%	10.1	9.9	7.8	4.9	2.1	2.2	3.7	6.0	7.7	9.7	12.1	9.8
50%	8.5	9.2	6.3	1.9	1.0	0.9	1.5	3.4	5.9	6.1	8.1	9.3
75%	7.5	7.4	2.7	0.5	0.3	0.3	0.5	1.1	3.4	4.0	5.8	8.2
99.9%	1.7	1.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.4	3.2	3.3

Table G.1-14-3-B. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 With TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	8.1	8.4	5.8	2.9	1.5	1.5	2.5	3.8	5.9	7.1	8.9	8.6
Wet Water Years	7.1	6.8	2.9	0.7	0.3	0.4	0.5	1.2	2.9	5.5	7.9	9.0
Above Normal Water Years	8.2	8.2	5.9	1.5	0.6	0.5	0.8	2.2	4.5	3.0	3.9	3.6
Below Normal Water Years	8.2	8.7	6.8	2.9	1.6	1.5	2.1	3.7	5.3	4.4	5.7	8.2
Dry Water Years	8.2	9.1	7.1	4.5	2.1	2.2	3.2	5.0	7.1	8.4	10.2	9.7
Critical Water Years	9.3	9.7	7.6	5.2	3.5	3.7	6.8	8.0	11.5	14.8	16.9	11.1

Table G.1-14-3-C. Montezuma Slough near Beldon Landing, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), 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%	-0.2	-0.4	0.2	-0.9	0.2	-0.2	0.0	0.0	-0.2	-0.3	-0.6	-1.0
1%	-1.8	-0.3	-0.1	-0.6	0.0	0.2	0.1	0.2	-0.5	-0.4	0.0	-0.8
5%	0.0	-0.2	-0.6	-0.3	0.3	-0.1	0.0	-0.6	0.0	-0.2	0.1	-0.2
10%	-0.2	-0.2	-1.0	-0.8	0.2	0.1	0.4	0.1	-1.2	0.0	-0.1	-0.2
25%	-0.1	0.0	0.0	-1.1	-0.1	-0.2	0.1	0.4	0.2	0.0	0.0	-0.2
50%	-0.5	-0.2	0.0	-0.1	-0.1	0.0	0.1	0.2	0.3	0.6	0.5	0.0
75%	0.0	-0.8	-0.2	0.0	0.0	0.0	0.0	0.2	0.1	0.4	0.0	-0.3
99.9%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	-1.7

Table G.1-14-3-D. Montezuma Slough near Beldon Landing, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), 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	-0.8	-0.3	-0.2	-0.3	0.0	0.0	0.1	0.2	0.1	0.3	0.2	-0.6
Wet Water Years	-0.9	-0.1	-0.3	-0.1	0.0	0.0	0.0	0.2	0.2	0.0	0.2	0.2
Above Normal Water Years	-0.7	-0.6	0.1	0.0	0.0	0.0	0.1	0.3	0.3	0.6	0.5	-2.9
Below Normal Water Years	-0.5	-0.2	0.0	0.0	0.0	-0.1	0.1	0.4	0.1	0.6	0.0	-1.5
Dry Water Years	-1.0	-0.4	-0.4	-0.4	0.0	0.0	0.1	0.2	0.3	0.4	0.3	0.1
Critical Water Years	-0.8	-0.3	-0.3	-0.9	0.1	-0.1	0.1	-0.1	-0.2	-0.2	-0.1	0.0

Table G.1-14-4-A. Montezuma Slough near Beldon Landing, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 Without TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	12.2	11.4	13.6	10.9	6.5	6.6	7.9	10.3	13.8	15.6	16.4	11.4
1%	12.0	11.1	13.2	8.3	5.9	6.4	7.9	10.2	13.6	15.3	16.4	11.4
5%	11.7	10.6	12.3	8.0	4.8	5.7	6.8	8.2	12.3	14.8	16.0	11.2
10%	11.6	10.2	10.9	7.1	3.8	3.8	6.1	7.7	9.7	11.6	14.9	11.0
25%	10.1	9.9	7.8	5.6	2.2	2.1	3.3	6.0	7.7	9.6	12.1	9.8
50%	8.7	9.2	6.2	2.0	1.0	0.9	1.5	3.4	5.9	6.1	8.1	9.3
75%	7.5	7.4	2.7	0.5	0.3	0.3	0.5	1.2	3.4	4.0	5.8	8.3
99.9%	1.7	1.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.4	3.2	3.3

Table G.1-14-4-B. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 Without TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	8.1	8.3	5.8	3.0	1.5	1.5	2.3	3.8	5.8	6.9	8.7	8.6
Wet Water Years	7.1	6.8	2.9	0.7	0.3	0.4	0.5	1.2	2.9	5.5	7.9	9.0
Above Normal Water Years	8.2	8.2	5.8	1.5	0.6	0.5	0.8	2.2	4.5	3.0	3.9	3.6
Below Normal Water Years	8.1	8.6	6.9	3.0	1.7	1.5	2.1	3.7	5.3	4.4	5.7	8.3
Dry Water Years	8.3	9.0	7.1	4.7	2.1	2.2	3.2	5.0	7.1	8.4	10.2	9.7
Critical Water Years	9.5	9.5	7.7	5.9	3.3	3.5	5.5	7.9	11.1	13.3	15.4	11.1

Table G.1-14-4-C. Montezuma Slough near Beldon Landing, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), 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%	-3.1	-0.8	0.2	1.6	0.1	-0.2	-1.4	-0.2	-0.4	-1.4	-2.2	-1.2
1%	-1.8	-1.0	0.0	-0.5	-0.2	-0.1	-1.2	0.2	-0.5	-1.5	-1.5	-0.9
5%	0.0	-0.7	-0.6	-0.2	0.0	0.4	-0.9	-0.9	-0.2	-1.3	-1.6	-0.3
10%	0.2	-0.6	-0.7	-0.5	0.1	-0.3	-0.6	0.0	-2.4	-3.4	-2.1	-0.2
25%	-0.1	0.0	0.0	-0.5	-0.1	-0.2	-0.3	0.4	0.2	-0.1	0.0	-0.2
50%	-0.3	-0.2	-0.2	-0.1	-0.1	0.0	0.1	0.2	0.3	0.6	0.5	0.0
75%	0.0	-0.8	-0.2	0.0	0.0	0.0	0.0	0.2	0.1	0.4	0.0	-0.3
99.9%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	-1.7

Table G.1-14-4-D. Montezuma Slough near Beldon Landing, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), 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	-0.8	-0.4	-0.2	-0.1	0.0	0.0	-0.2	0.2	0.1	0.0	0.0	-0.6
Wet Water Years	-0.8	-0.1	-0.3	-0.1	0.0	0.0	0.0	0.2	0.2	0.0	0.2	0.2
Above Normal Water Years	-0.7	-0.6	0.1	0.0	0.0	0.0	0.1	0.3	0.3	0.6	0.5	-2.9
Below Normal Water Years	-0.6	-0.3	0.1	0.2	0.0	0.0	0.1	0.4	0.1	0.6	0.1	-1.4
Dry Water Years	-0.9	-0.4	-0.5	-0.3	0.0	0.0	0.1	0.2	0.3	0.4	0.3	0.1
Critical Water Years	-0.6	-0.6	-0.2	-0.2	-0.1	-0.2	-1.3	-0.3	-0.7	-1.6	-1.6	-0.1

Table G.1-14-5-A. Montezuma Slough near Beldon Landing, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 Without TUCP Delta VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	12.2	11.7	13.4	11.2	9.5	6.3	8.0	10.4	13.9	15.6	16.4	11.5
1%	12.1	11.1	13.4	9.4	6.5	6.0	7.7	10.3	13.6	15.4	16.3	11.4
5%	12.0	10.7	12.3	8.2	5.4	4.8	6.8	8.1	12.2	14.8	16.0	11.1
10%	11.5	10.5	11.6	7.3	3.6	3.7	5.5	7.6	9.8	11.6	14.8	11.0
25%	10.2	10.0	7.7	5.8	2.1	2.1	3.1	5.7	7.7	9.4	12.2	9.8
50%	8.8	9.2	6.2	2.1	1.0	0.8	1.4	3.1	5.8	6.1	8.1	9.3
75%	7.5	7.5	2.9	0.5	0.3	0.3	0.5	1.1	3.4	4.0	5.7	8.2
99.9%	1.8	1.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.4	3.1	3.4

Table G.1-14-5-B. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 Without TUCP Delta VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	8.1	8.3	5.9	3.1	1.5	1.4	2.1	3.6	5.8	6.9	8.7	8.6
Wet Water Years	7.2	6.9	3.0	0.7	0.3	0.4	0.5	1.2	2.9	5.4	7.9	9.0
Above Normal Water Years	8.2	8.2	5.9	1.5	0.6	0.5	0.7	1.9	4.4	3.0	3.8	3.5
Below Normal Water Years	8.1	8.6	6.8	2.9	1.7	1.4	1.8	3.5	5.3	4.4	5.7	8.2
Dry Water Years	8.2	9.0	7.3	4.9	2.1	2.0	2.9	4.8	6.9	8.3	10.2	9.7
Critical Water Years	9.5	9.5	8.0	6.2	3.6	3.5	5.5	7.9	11.0	13.3	15.4	11.1

Table G.1-14-5-C. Montezuma Slough near Beldon Landing, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), 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%	-3.1	-0.6	0.1	1.9	3.1	-0.5	-1.4	-0.1	-0.3	-1.4	-2.2	-1.2
1%	-1.7	-1.0	0.2	0.6	0.4	-0.5	-1.4	0.3	-0.5	-1.4	-1.6	-0.9
5%	0.2	-0.7	-0.6	0.0	0.6	-0.5	-0.9	-1.0	-0.3	-1.3	-1.6	-0.3
10%	0.1	-0.3	0.0	-0.3	-0.2	-0.4	-1.3	-0.1	-2.4	-3.5	-2.2	-0.2
25%	0.0	0.0	-0.1	-0.3	-0.2	-0.2	-0.5	0.1	0.2	-0.2	0.1	-0.2
50%	-0.2	-0.2	-0.1	0.1	0.0	-0.1	-0.1	-0.1	0.2	0.6	0.4	0.0
75%	-0.1	-0.7	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.4	0.0	-0.4
99.9%	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	-1.7

Table G.1-14-5-D. Montezuma Slough near Beldon Landing, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), 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	-0.8	-0.3	-0.1	0.0	0.0	-0.1	-0.3	0.0	0.0	0.0	-0.1	-0.6
Wet Water Years	-0.8	0.0	-0.1	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.2	0.2
Above Normal Water Years	-0.6	-0.6	0.1	0.0	0.0	0.0	-0.1	0.0	0.2	0.6	0.5	-2.9
Below Normal Water Years	-0.7	-0.4	0.0	0.1	0.0	-0.1	-0.2	0.2	0.1	0.6	0.0	-1.5
Dry Water Years	-1.0	-0.4	-0.3	-0.1	0.0	-0.1	-0.2	0.0	0.1	0.3	0.3	0.1
Critical Water Years	-0.6	-0.5	0.1	0.0	0.2	-0.3	-1.3	-0.3	-0.7	-1.7	-1.6	-0.1

Table G.1-14-6-A. Montezuma Slough near Beldon Landing, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	12.2	12.7	13.4	11.1	9.5	6.3	7.8	10.2	13.3	15.6	16.3	11.5
1%	12.1	11.9	13.4	9.1	6.5	5.9	7.5	9.5	12.9	15.1	16.3	11.4
5%	11.8	10.9	12.2	8.1	5.5	4.7	6.1	8.5	11.1	14.5	15.8	11.1
10%	11.5	10.5	11.5	7.4	3.9	3.6	5.2	6.9	9.3	11.4	14.8	10.9
25%	10.2	9.9	7.7	5.7	2.1	1.9	2.8	5.1	7.5	9.6	12.2	9.8
50%	8.7	8.9	6.0	1.9	1.0	0.8	1.2	2.5	5.5	6.1	8.0	9.3
75%	7.5	7.3	2.9	0.5	0.3	0.3	0.4	1.0	3.4	4.0	5.6	8.2
99.9%	1.7	1.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.4	3.2	3.3

Table G.1-14-6-B. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	8.1	8.3	5.9	3.0	1.6	1.4	2.0	3.3	5.6	6.8	8.6	8.6
Wet Water Years	7.2	6.7	2.9	0.8	0.3	0.4	0.5	1.2	2.9	5.4	7.9	9.0
Above Normal Water Years	8.2	8.1	5.8	1.5	0.6	0.5	0.6	1.6	4.0	3.0	3.7	3.5
Below Normal Water Years	8.0	8.7	6.9	2.9	1.7	1.4	1.5	2.8	5.4	4.5	5.6	8.1
Dry Water Years	8.2	9.0	7.2	4.7	2.1	2.0	2.6	4.2	6.6	8.3	10.2	9.7
Critical Water Years	9.5	9.5	8.0	6.1	3.7	3.3	5.2	7.7	10.6	13.1	15.3	11.0

Table G.1-14-6-C. Montezuma Slough near Beldon Landing, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), 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%	-3.1	0.4	0.1	1.8	3.1	-0.5	-1.6	-0.2	-0.9	-1.4	-2.3	-1.2
1%	-1.7	-0.2	0.2	0.3	0.4	-0.6	-1.6	-0.5	-1.3	-1.7	-1.6	-0.9
5%	0.1	-0.5	-0.6	-0.1	0.7	-0.6	-1.6	-0.7	-1.4	-1.5	-1.8	-0.3
10%	0.1	-0.3	-0.1	-0.1	0.2	-0.4	-1.5	-0.8	-2.8	-3.7	-2.3	-0.2
25%	-0.1	0.0	-0.1	-0.4	-0.1	-0.4	-0.8	-0.5	0.0	0.0	0.1	-0.3
50%	-0.3	-0.4	-0.4	-0.1	-0.1	-0.1	-0.2	-0.7	-0.1	0.6	0.4	0.0
75%	0.0	-0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	-0.1	-0.4
99.9%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	-1.8

Table G.1-14-6-D. Montezuma Slough near Beldon Landing, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), 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	-0.8	-0.4	-0.1	-0.1	0.0	-0.1	-0.5	-0.3	-0.2	0.0	-0.1	-0.6
Wet Water Years	-0.8	-0.2	-0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.2
Above Normal Water Years	-0.7	-0.6	0.1	0.0	0.0	0.0	-0.1	-0.3	-0.2	0.6	0.4	-2.9
Below Normal Water Years	-0.7	-0.3	0.1	0.0	0.0	-0.2	-0.5	-0.5	0.2	0.7	0.0	-1.6
Dry Water Years	-1.0	-0.4	-0.4	-0.2	-0.1	-0.2	-0.5	-0.6	-0.3	0.3	0.3	0.1
Critical Water Years	-0.6	-0.5	0.1	0.0	0.3	-0.5	-1.5	-0.5	-1.1	-1.9	-1.7	-0.1

Table G.1-14-7-A. Montezuma Slough near Beldon Landing, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 3

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	12.2	12.7	13.4	11.1	9.5	6.3	7.8	10.2	13.3	15.6	16.3	11.5
1%	12.1	11.9	13.4	9.1	6.5	5.9	7.5	9.5	12.9	15.1	16.3	11.4
5%	11.8	10.9	12.2	8.1	5.5	4.7	6.1	8.5	11.1	14.5	15.8	11.1
10%	11.5	10.5	11.5	7.4	3.9	3.6	5.2	6.9	9.3	11.4	14.8	10.9
25%	10.2	9.9	7.7	5.7	2.1	1.9	2.8	5.1	7.5	9.6	12.2	9.8
50%	8.7	8.9	6.0	1.9	1.0	0.8	1.2	2.5	5.5	6.1	8.0	9.3
75%	7.5	7.3	2.9	0.5	0.3	0.3	0.4	1.0	3.4	4.0	5.6	8.2
99.9%	1.7	1.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.4	3.2	3.3

Table G.1-14-7-B. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 3

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	8.1	8.3	5.9	3.0	1.6	1.4	2.0	3.3	5.6	6.8	8.6	8.6
Wet Water Years	7.2	6.9	3.0	0.7	0.3	0.4	0.5	1.2	2.9	5.4	7.9	9.0
Above Normal Water Years	8.2	8.2	5.9	1.5	0.6	0.5	0.7	1.9	4.4	3.0	3.8	3.5
Below Normal Water Years	8.1	8.6	6.8	2.9	1.7	1.4	1.8	3.5	5.3	4.4	5.7	8.2
Dry Water Years	8.2	9.0	7.3	4.9	2.1	2.0	2.9	4.8	6.9	8.3	10.2	9.7
Critical Water Years	9.5	9.5	8.0	6.2	3.6	3.5	5.5	7.9	11.0	13.3	15.4	11.1

Table G.1-14-7-C. Montezuma Slough near Beldon Landing, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 3 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	-3.1	0.4	0.1	1.8	3.1	-0.5	-1.6	-0.2	-0.9	-1.4	-2.3	-1.2
1%	-1.7	-0.2	0.2	0.3	0.4	-0.6	-1.6	-0.5	-1.3	-1.7	-1.6	-0.9
5%	0.1	-0.5	-0.6	-0.1	0.7	-0.6	-1.6	-0.7	-1.4	-1.5	-1.8	-0.3
10%	0.1	-0.3	-0.1	-0.1	0.2	-0.4	-1.5	-0.8	-2.8	-3.7	-2.3	-0.2
25%	-0.1	0.0	-0.1	-0.4	-0.1	-0.4	-0.8	-0.5	0.0	0.0	0.1	-0.3
50%	-0.3	-0.4	-0.4	-0.1	-0.1	-0.1	-0.2	-0.7	-0.1	0.6	0.4	0.0
75%	0.0	-0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	-0.1	-0.4
99.9%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	-1.8

Table G.1-14-7-D. Montezuma Slough near Beldon Landing, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 3 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	-0.8	-0.4	-0.1	-0.1	0.0	-0.1	-0.5	-0.3	-0.2	0.0	-0.1	-0.6
Wet Water Years	-0.8	0.0	-0.1	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.2	0.2
Above Normal Water Years	-0.6	-0.6	0.1	0.0	0.0	0.0	-0.1	0.0	0.2	0.6	0.5	-2.9
Below Normal Water Years	-0.7	-0.4	0.0	0.1	0.0	-0.1	-0.2	0.2	0.1	0.6	0.0	-1.5
Dry Water Years	-1.0	-0.4	-0.3	-0.1	0.0	-0.1	-0.2	0.0	0.1	0.3	0.3	0.1
Critical Water Years	-0.6	-0.5	0.1	0.0	0.2	-0.3	-1.3	-0.3	-0.7	-1.7	-1.6	-0.1

Table G.1-14-8-A. Montezuma Slough near Beldon Landing, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 4

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	12.2	12.7	13.4	11.1	9.5	6.3	7.8	10.2	13.3	15.6	16.3	11.5
1%	12.1	11.9	13.4	9.1	6.5	5.9	7.5	9.5	12.9	15.1	16.3	11.4
5%	11.8	10.9	12.2	8.1	5.5	4.7	6.1	8.5	11.1	14.5	15.8	11.1
10%	11.5	10.5	11.5	7.4	3.9	3.6	5.2	6.9	9.3	11.4	14.8	10.9
25%	10.2	9.9	7.7	5.7	2.1	1.9	2.8	5.1	7.5	9.6	12.2	9.8
50%	8.7	8.9	6.0	1.9	1.0	0.8	1.2	2.5	5.5	6.1	8.0	9.3
75%	7.5	7.3	2.9	0.5	0.3	0.3	0.4	1.0	3.4	4.0	5.6	8.2
99.9%	1.7	1.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.4	3.2	3.3

Table G.1-14-8-B. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 4

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	8.1	8.3	5.9	3.0	1.6	1.4	2.0	3.3	5.6	6.8	8.6	8.6
Wet Water Years	7.3	6.7	2.8	0.7	0.3	0.4	0.5	1.2	2.9	5.4	7.9	9.0
Above Normal Water Years	8.1	8.2	5.6	1.9	0.7	0.5	0.8	2.2	4.5	3.0	3.9	3.6
Below Normal Water Years	8.3	8.8	6.9	2.9	1.7	1.5	2.1	3.7	5.3	4.3	5.6	8.2
Dry Water Years	8.3	9.0	7.0	5.3	2.2	2.2	3.3	5.1	7.3	9.9	13.0	9.8
Critical Water Years	9.3	9.8	7.4	5.7	3.5	3.8	6.7	8.0	11.5	14.8	16.8	11.1

Table G.1-14-8-C. Montezuma Slough near Beldon Landing, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 4 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	-3.1	0.4	0.1	1.8	3.1	-0.5	-1.6	-0.2	-0.9	-1.4	-2.3	-1.2
1%	-1.7	-0.2	0.2	0.3	0.4	-0.6	-1.6	-0.5	-1.3	-1.7	-1.6	-0.9
5%	0.1	-0.5	-0.6	-0.1	0.7	-0.6	-1.6	-0.7	-1.4	-1.5	-1.8	-0.3
10%	0.1	-0.3	-0.1	-0.1	0.2	-0.4	-1.5	-0.8	-2.8	-3.7	-2.3	-0.2
25%	-0.1	0.0	-0.1	-0.4	-0.1	-0.4	-0.8	-0.5	0.0	0.0	0.1	-0.3
50%	-0.3	-0.4	-0.4	-0.1	-0.1	-0.1	-0.2	-0.7	-0.1	0.6	0.4	0.0
75%	0.0	-0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	-0.1	-0.4
99.9%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	-1.8

Table G.1-14-8-D. Montezuma Slough near Beldon Landing, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 4 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	-0.8	-0.4	-0.1	-0.1	0.0	-0.1	-0.5	-0.3	-0.2	0.0	-0.1	-0.6
Wet Water Years	-0.7	-0.2	-0.4	-0.1	0.0	0.0	0.0	0.2	0.2	0.0	0.2	0.2
Above Normal Water Years	-0.7	-0.6	-0.2	0.3	0.1	0.0	0.1	0.3	0.3	0.6	0.5	-2.9
Below Normal Water Years	-0.5	-0.2	0.0	0.0	0.0	0.0	0.1	0.4	0.1	0.5	0.0	-1.5
Dry Water Years	-0.9	-0.4	-0.6	0.3	0.1	0.1	0.2	0.3	0.4	1.9	3.0	0.3
Critical Water Years	-0.8	-0.3	-0.5	-0.5	0.1	0.0	0.0	-0.2	-0.2	-0.2	-0.1	0.0

Table G.1-15-1-A. Chadbourne Slough near Sunrise Duck Club, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	16.4	14.3	14.4	11.9	9.2	7.8	10.1	11.2	14.8	17.4	18.6	15.1
1%	13.7	13.9	14.0	11.1	8.9	7.4	10.0	10.6	14.4	17.3	17.9	14.6
5%	13.3	13.1	13.2	10.4	7.2	6.9	8.6	10.0	13.7	16.4	17.7	14.5
10%	13.0	12.4	12.2	9.8	6.6	5.9	7.7	9.3	13.2	15.6	17.4	14.3
25%	11.8	11.3	10.4	8.1	4.8	3.8	5.2	6.9	8.5	10.5	12.5	11.7
50%	10.4	10.5	8.6	4.7	2.8	2.7	3.1	4.5	6.7	7.5	8.6	10.1
75%	8.6	9.4	5.4	2.0	1.3	1.5	1.9	2.5	4.7	5.4	6.5	9.2
99.9%	4.8	2.1	0.9	0.7	0.7	0.7	0.6	0.8	0.9	2.5	3.9	6.3

Table G.1-15-1-B. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	10.1	10.0	8.0	5.1	3.3	3.0	3.8	4.8	6.9	8.4	9.6	10.5
Wet Water Years	9.3	8.4	4.9	2.0	1.4	1.5	1.7	2.1	3.8	6.4	8.6	9.6
Above Normal Water Years	10.1	10.0	7.7	3.5	1.9	1.8	2.2	3.2	5.4	4.7	4.5	7.5
Below Normal Water Years	9.8	10.0	8.6	5.1	3.4	3.1	3.5	4.5	6.5	6.2	6.7	10.2
Dry Water Years	10.4	10.7	9.8	7.5	4.6	3.8	4.6	6.1	8.0	9.5	10.9	11.0
Critical Water Years	11.6	11.7	10.1	8.5	6.1	5.6	8.0	9.5	12.7	15.6	17.2	14.3

Table G.1-15-2-A. Chadbourne Slough near Sunrise Duck Club, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 1

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	19.5	19.3	17.8	16.5	14.8	12.2	11.8	12.2	15.1	16.7	17.4	18.5
1%	19.4	19.2	17.5	16.1	14.6	12.0	11.2	12.1	15.1	16.3	17.3	18.4
5%	18.7	18.7	17.1	15.5	13.3	9.4	9.8	11.1	14.0	15.7	16.6	18.0
10%	18.4	18.2	16.8	15.0	11.6	8.5	8.6	9.4	11.4	12.9	15.5	17.7
25%	17.2	16.9	16.1	13.9	8.9	6.1	6.6	7.7	9.1	11.2	13.8	16.0
50%	15.9	15.9	13.7	8.5	4.7	4.0	4.0	5.5	7.4	9.2	11.6	14.2
75%	14.3	14.5	8.3	3.1	1.9	2.3	2.7	3.2	4.7	7.5	10.1	13.3
99.9%	5.4	2.2	1.1	0.9	0.7	0.8	0.7	1.0	1.0	2.6	5.6	6.6

Table G.1-15-2-B. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 1

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	15.6	15.1	11.9	8.4	5.8	4.5	4.7	5.6	7.2	9.4	12.0	14.6
Wet Water Years	14.4	13.0	7.4	3.1	1.9	2.0	2.2	2.6	3.9	6.4	9.5	12.7
Above Normal Water Years	16.0	15.2	11.4	6.2	3.3	2.6	3.1	4.0	5.6	7.5	10.0	13.3
Below Normal Water Years	15.1	14.7	12.4	8.9	5.8	4.4	4.4	5.3	7.0	9.1	11.6	14.1
Dry Water Years	16.2	16.3	14.9	12.4	8.5	5.9	6.0	6.8	8.6	11.0	13.6	16.0
Critical Water Years	17.0	17.1	15.3	13.2	10.9	8.6	8.9	10.3	12.6	14.4	16.0	17.8

Table G.1-15-2-C. Chadbourne Slough near Sunrise Duck Club, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 1 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	3.1	5.0	3.5	4.6	5.6	4.3	1.8	1.1	0.3	-0.8	-1.1	3.4
1%	5.7	5.3	3.5	5.0	5.7	4.6	1.2	1.5	0.7	-1.1	-0.6	3.8
5%	5.4	5.6	3.9	5.1	6.1	2.4	1.2	1.1	0.3	-0.6	-1.1	3.6
10%	5.4	5.8	4.7	5.2	5.1	2.6	1.0	0.1	-1.8	-2.7	-1.8	3.4
25%	5.4	5.6	5.7	5.8	4.1	2.3	1.4	0.8	0.6	0.7	1.3	4.3
50%	5.5	5.4	5.1	3.9	1.9	1.3	0.9	0.9	0.7	1.7	3.0	4.2
75%	5.7	5.1	2.9	1.1	0.6	0.8	0.8	0.7	0.0	2.1	3.6	4.2
99.9%	0.5	0.2	0.1	0.2	0.0	0.2	0.1	0.2	0.1	0.2	1.7	0.3

Table G.1-15-2-D. Chadbourne Slough near Sunrise Duck Club, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 1 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	5.5	5.1	4.0	3.3	2.5	1.5	0.9	0.7	0.3	1.1	2.4	4.1
Wet Water Years	5.1	4.6	2.5	1.1	0.5	0.5	0.5	0.5	0.2	0.0	0.9	3.0
Above Normal Water Years	5.9	5.2	3.7	2.6	1.4	0.8	0.9	0.8	0.3	2.7	5.5	5.8
Below Normal Water Years	5.4	4.7	3.8	3.7	2.4	1.3	1.0	0.8	0.6	2.9	4.9	3.9
Dry Water Years	5.8	5.6	5.2	5.0	3.9	2.1	1.3	0.7	0.6	1.5	2.7	5.0
Critical Water Years	5.4	5.4	5.2	4.7	4.8	2.9	1.0	0.8	0.0	-1.2	-1.1	3.6

Table G.1-15-3-A. Chadbourne Slough near Sunrise Duck Club, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 With TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	16.3	14.3	14.1	11.0	8.9	7.7	10.0	11.1	14.7	17.3	18.2	14.8
1%	13.7	13.6	13.8	10.5	8.1	7.4	10.0	10.9	14.2	16.9	18.1	14.6
5%	13.2	13.0	12.3	9.8	7.3	6.9	8.7	9.8	13.6	16.4	17.7	14.6
10%	13.0	12.4	11.7	9.3	6.4	5.7	8.2	9.2	12.4	15.9	17.2	14.1
25%	11.4	11.3	10.3	7.7	4.5	3.8	5.2	7.3	8.8	10.6	12.5	11.5
50%	10.3	10.4	8.5	4.8	2.6	2.7	3.1	5.0	7.3	8.1	9.3	10.2
75%	8.6	8.6	5.3	1.9	1.3	1.5	2.0	2.6	4.8	6.4	7.9	9.4
99.9%	4.8	2.1	1.0	0.6	0.7	0.7	0.6	0.8	0.9	2.5	5.4	6.1

Table G.1-15-3-B. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 With TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	9.7	9.8	7.8	4.9	3.2	3.0	3.8	5.0	7.1	8.8	10.4	10.4
Wet Water Years	8.8	8.4	4.8	1.9	1.3	1.5	1.7	2.3	3.9	6.5	8.8	9.8
Above Normal Water Years	9.6	9.6	7.6	3.5	1.9	1.7	2.3	3.5	5.6	5.8	6.3	6.6
Below Normal Water Years	9.5	9.9	8.6	5.2	3.4	3.1	3.5	4.9	6.8	7.4	8.1	9.6
Dry Water Years	9.9	10.4	9.5	7.1	4.4	3.8	4.7	6.3	8.3	10.1	11.9	11.4
Critical Water Years	11.1	11.5	9.8	7.8	5.8	5.5	8.0	9.4	12.5	15.4	17.1	14.2

Table G.1-15-3-C. Chadbourne Slough near Sunrise Duck Club, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), 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	0.0	-0.3	-1.0	-0.3	-0.1	-0.1	0.0	-0.1	-0.2	-0.4	-0.3
1%	0.0	-0.3	-0.2	-0.6	-0.8	0.0	0.0	0.3	-0.2	-0.4	0.2	0.0
5%	-0.1	0.0	-0.8	-0.6	0.1	0.0	0.1	-0.2	0.0	0.0	0.0	0.1
10%	0.0	0.0	-0.5	-0.5	-0.1	-0.1	0.5	-0.1	-0.9	0.2	-0.2	-0.2
25%	-0.3	-0.1	-0.1	-0.5	-0.2	0.0	0.0	0.3	0.3	0.0	0.0	-0.2
50%	-0.1	-0.1	-0.1	0.1	-0.2	0.0	0.0	0.4	0.6	0.6	0.7	0.1
75%	0.0	-0.8	-0.1	-0.1	0.0	0.0	0.1	0.2	0.1	1.0	1.4	0.2
99.9%	0.0	0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.5	-0.2

Table G.1-15-3-D. Chadbourne Slough near Sunrise Duck Club, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), 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	-0.4	-0.2	-0.2	-0.2	-0.1	0.0	0.0	0.2	0.2	0.5	0.8	-0.1
Wet Water Years	-0.5	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.2	0.1	0.1	0.2	0.2
Above Normal Water Years	-0.5	-0.4	-0.1	0.0	0.0	0.0	0.1	0.3	0.2	1.1	1.7	-0.9
Below Normal Water Years	-0.2	-0.1	0.0	0.0	0.0	0.0	0.1	0.4	0.3	1.1	1.4	-0.6
Dry Water Years	-0.5	-0.3	-0.3	-0.3	-0.2	0.0	0.0	0.2	0.3	0.6	0.9	0.3
Critical Water Years	-0.4	-0.2	-0.3	-0.7	-0.3	-0.1	0.0	-0.1	-0.1	-0.2	-0.1	-0.1

Table G.1-15-4-A. Chadbourne Slough near Sunrise Duck Club, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 Without TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	13.7	13.3	14.3	12.5	9.2	7.4	8.8	11.0	14.4	16.4	17.2	14.4
1%	13.6	12.9	14.1	11.0	9.0	7.4	8.7	10.9	14.2	15.9	17.1	14.2
5%	13.3	12.5	13.0	9.9	6.8	6.9	7.9	9.6	13.1	15.5	16.4	13.9
10%	13.0	12.1	11.7	9.5	6.4	5.5	7.1	8.7	10.8	12.6	15.3	13.6
25%	11.4	11.2	10.1	7.7	4.6	3.8	5.1	7.2	8.8	10.4	12.5	11.5
50%	10.4	10.3	8.4	4.8	2.8	2.7	3.1	4.9	7.3	8.1	9.3	10.2
75%	8.6	8.6	5.0	1.9	1.3	1.5	1.9	2.6	4.8	6.4	7.9	9.5
99.9%	4.8	2.1	1.0	0.6	0.7	0.7	0.6	0.8	0.9	2.5	5.4	6.1

Table G.1-15-4-B. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 Without TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	9.7	9.8	7.8	5.0	3.3	3.0	3.7	5.0	7.0	8.6	10.2	10.3
Wet Water Years	8.8	8.4	4.8	1.9	1.3	1.5	1.7	2.3	3.9	6.5	8.8	9.8
Above Normal Water Years	9.6	9.6	7.6	3.5	1.9	1.8	2.3	3.5	5.6	5.8	6.3	6.6
Below Normal Water Years	9.4	9.7	8.6	5.3	3.4	3.1	3.5	4.9	6.8	7.4	8.2	9.6
Dry Water Years	9.9	10.4	9.4	7.1	4.5	3.8	4.7	6.3	8.3	10.1	11.9	11.4
Critical Water Years	11.2	11.3	9.9	8.3	5.9	5.3	6.9	9.0	12.0	14.1	15.8	13.7

Table G.1-15-4-C. Chadbourne Slough near Sunrise Duck Club, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), 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%	-2.7	-1.0	0.0	0.6	-0.1	-0.4	-1.3	-0.2	-0.5	-1.0	-1.4	-0.7
1%	-0.1	-1.0	0.1	0.0	0.2	0.0	-1.3	0.3	-0.2	-1.4	-0.8	-0.4
5%	0.0	-0.6	-0.2	-0.5	-0.4	0.0	-0.7	-0.5	-0.6	-0.9	-1.3	-0.5
10%	0.0	-0.3	-0.5	-0.4	-0.1	-0.3	-0.6	-0.6	-2.5	-3.0	-2.1	-0.7
25%	-0.3	-0.1	-0.3	-0.5	-0.2	0.0	-0.2	0.3	0.3	-0.1	0.0	-0.2
50%	0.0	-0.1	-0.1	0.1	0.0	0.0	0.0	0.4	0.6	0.6	0.7	0.1
75%	0.0	-0.8	-0.4	-0.1	0.0	0.0	0.0	0.2	0.1	1.0	1.4	0.3
99.9%	0.0	0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.5	-0.2

Table G.1-15-4-D. Chadbourne Slough near Sunrise Duck Club, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), 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	-0.5	-0.2	-0.2	-0.1	-0.1	-0.1	-0.1	0.1	0.1	0.3	0.6	-0.2
Wet Water Years	-0.5	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.2	0.1	0.1	0.2	0.2
Above Normal Water Years	-0.5	-0.4	-0.1	0.0	0.0	0.0	0.1	0.3	0.2	1.1	1.7	-0.9
Below Normal Water Years	-0.4	-0.3	0.0	0.1	0.0	0.0	0.1	0.4	0.3	1.1	1.5	-0.5
Dry Water Years	-0.5	-0.3	-0.4	-0.3	-0.1	0.0	0.0	0.2	0.3	0.6	0.9	0.3
Critical Water Years	-0.4	-0.3	-0.2	-0.2	-0.2	-0.3	-1.0	-0.5	-0.7	-1.5	-1.3	-0.5

Table G.1-15-5-A. Chadbourne Slough near Sunrise Duck Club, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 Without TUCP Delta VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	13.8	13.4	14.4	12.7	11.5	7.4	9.3	11.3	14.5	16.4	17.1	14.4
1%	13.7	12.9	14.3	11.2	9.4	7.2	8.7	11.0	14.3	15.9	17.1	14.3
5%	13.3	12.6	12.9	10.6	6.8	6.6	7.5	9.5	13.0	15.5	16.3	13.9
10%	13.1	12.2	12.0	9.5	6.4	5.6	6.8	8.7	10.7	12.6	15.2	13.6
25%	11.5	11.2	10.1	7.7	4.7	3.7	4.7	6.9	8.9	10.4	12.5	11.5
50%	10.3	10.4	8.5	5.0	2.9	2.6	2.9	4.4	7.2	8.1	9.2	10.2
75%	8.6	8.6	5.2	2.0	1.3	1.5	2.0	2.6	4.8	6.3	7.9	9.4
99.9%	4.9	2.1	1.0	0.6	0.7	0.7	0.6	0.8	0.9	2.5	5.4	6.0

Table G.1-15-5-B. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 Without TUCP Delta VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	9.7	9.8	7.9	5.1	3.3	2.9	3.5	4.8	7.0	8.6	10.1	10.3
Wet Water Years	8.8	8.4	4.9	2.0	1.3	1.5	1.7	2.2	4.0	6.5	8.7	9.8
Above Normal Water Years	9.6	9.6	7.6	3.5	1.9	1.7	2.2	3.2	5.5	5.8	6.2	6.5
Below Normal Water Years	9.4	9.7	8.5	5.2	3.4	3.0	3.2	4.7	6.8	7.4	8.2	9.5
Dry Water Years	9.9	10.4	9.5	7.3	4.5	3.7	4.4	6.1	8.2	10.0	11.8	11.3
Critical Water Years	11.2	11.3	10.1	8.6	6.2	5.4	7.0	9.1	12.0	14.1	15.8	13.8

Table G.1-15-5-C. Chadbourne Slough near Sunrise Duck Club, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), 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%	-2.5	-0.8	0.0	0.8	2.2	-0.5	-0.8	0.2	-0.3	-1.0	-1.4	-0.7
1%	0.0	-1.0	0.3	0.1	0.5	-0.3	-1.2	0.4	0.0	-1.4	-0.8	-0.4
5%	0.0	-0.4	-0.3	0.2	-0.4	-0.3	-1.1	-0.5	-0.6	-0.9	-1.4	-0.5
10%	0.0	-0.2	-0.2	-0.4	-0.2	-0.3	-0.9	-0.6	-2.5	-3.1	-2.2	-0.7
25%	-0.3	-0.1	-0.3	-0.5	-0.1	-0.1	-0.5	0.0	0.4	-0.1	0.0	-0.2
50%	-0.1	-0.1	0.0	0.3	0.1	-0.1	-0.2	-0.1	0.5	0.6	0.7	0.1
75%	0.0	-0.8	-0.2	0.0	0.0	0.0	0.1	0.1	0.1	1.0	1.4	0.2
99.9%	0.0	0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.5	-0.3

Table G.1-15-5-D. Chadbourne Slough near Sunrise Duck Club, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), 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	-0.5	-0.2	-0.1	0.0	0.0	-0.1	-0.3	0.0	0.0	0.3	0.5	-0.2
Wet Water Years	-0.5	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	0.2	0.0	0.2	0.2
Above Normal Water Years	-0.5	-0.4	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.0	1.7	-1.0
Below Normal Water Years	-0.4	-0.3	-0.1	0.1	0.0	-0.1	-0.2	0.2	0.3	1.2	1.5	-0.7
Dry Water Years	-0.6	-0.3	-0.2	-0.1	-0.1	-0.2	-0.2	0.0	0.1	0.5	0.9	0.3
Critical Water Years	-0.4	-0.3	0.0	0.1	0.1	-0.2	-1.0	-0.4	-0.7	-1.5	-1.4	-0.5

Table G.1-15-6-A. Chadbourne Slough near Sunrise Duck Club, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	13.8	13.5	14.4	12.6	11.5	7.3	8.9	10.9	13.8	16.3	17.1	14.4
1%	13.7	13.3	14.3	11.2	9.2	7.1	8.4	10.5	13.6	15.7	17.0	14.1
5%	13.3	12.8	12.8	10.6	6.9	6.6	7.5	9.0	12.3	15.3	16.2	13.9
10%	13.0	12.2	12.2	9.5	6.3	5.4	6.5	8.2	10.4	12.5	15.3	13.5
25%	11.4	11.1	10.1	7.6	5.0	3.6	4.4	6.4	8.6	10.4	12.4	11.5
50%	10.2	10.2	8.4	4.7	2.7	2.6	2.8	3.8	6.7	8.1	9.2	10.2
75%	8.6	8.6	5.1	1.9	1.3	1.5	1.9	2.4	4.7	6.3	8.0	9.5
99.9%	4.8	2.1	1.0	0.6	0.7	0.7	0.6	0.7	0.9	2.5	5.4	5.8

Table G.1-15-6-B. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	9.6	9.7	7.8	5.0	3.3	2.9	3.4	4.5	6.7	8.6	10.1	10.3
Wet Water Years	8.8	8.2	4.8	1.9	1.3	1.5	1.7	2.2	3.9	6.5	8.7	9.8
Above Normal Water Years	9.6	9.6	7.6	3.5	1.9	1.7	2.1	2.9	5.2	5.7	6.1	6.5
Below Normal Water Years	9.3	9.7	8.6	5.2	3.4	3.0	3.0	4.1	6.6	7.5	8.1	9.6
Dry Water Years	9.8	10.4	9.5	7.2	4.5	3.6	4.2	5.5	7.8	10.0	11.8	11.3
Critical Water Years	11.1	11.3	10.1	8.5	6.2	5.3	6.7	8.8	11.6	13.9	15.7	13.7

Table G.1-15-6-C. Chadbourne Slough near Sunrise Duck Club, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), 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%	-2.6	-0.8	0.1	0.7	2.2	-0.5	-1.2	-0.3	-1.0	-1.1	-1.4	-0.7
1%	0.0	-0.6	0.3	0.1	0.3	-0.3	-1.6	-0.1	-0.8	-1.6	-0.9	-0.6
5%	0.0	-0.3	-0.3	0.2	-0.3	-0.3	-1.1	-1.1	-1.4	-1.0	-1.5	-0.6
10%	0.0	-0.2	0.0	-0.4	-0.2	-0.5	-1.1	-1.0	-2.8	-3.2	-2.1	-0.8
25%	-0.4	-0.2	-0.3	-0.5	0.2	-0.2	-0.8	-0.5	0.1	-0.1	-0.1	-0.2
50%	-0.2	-0.2	-0.2	0.1	-0.1	-0.1	-0.3	-0.7	0.1	0.5	0.6	0.1
75%	0.0	-0.8	-0.3	-0.1	0.0	0.0	0.0	0.0	0.1	1.0	1.5	0.4
99.9%	0.0	0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.5	-0.5

Table G.1-15-6-D. Chadbourne Slough near Sunrise Duck Club, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), 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	-0.5	-0.3	-0.1	-0.1	0.0	-0.1	-0.4	-0.4	-0.2	0.2	0.5	-0.2
Wet Water Years	-0.5	-0.2	-0.2	-0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.2
Above Normal Water Years	-0.5	-0.4	-0.1	0.0	0.0	0.0	-0.1	-0.3	-0.2	1.0	1.6	-1.0
Below Normal Water Years	-0.4	-0.3	0.0	0.0	0.0	-0.1	-0.5	-0.5	0.2	1.2	1.4	-0.6
Dry Water Years	-0.6	-0.3	-0.3	-0.3	-0.1	-0.2	-0.5	-0.6	-0.2	0.5	0.8	0.3
Critical Water Years	-0.4	-0.3	0.0	0.0	0.1	-0.3	-1.2	-0.7	-1.1	-1.7	-1.5	-0.6

Table G.1-15-7-A. Chadbourne Slough near Sunrise Duck Club, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 3

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	13.8	13.5	14.4	12.6	11.5	7.3	8.9	10.9	13.8	16.3	17.1	14.4
1%	13.7	13.3	14.3	11.2	9.2	7.1	8.4	10.5	13.6	15.7	17.0	14.1
5%	13.3	12.8	12.8	10.6	6.9	6.6	7.5	9.0	12.3	15.3	16.2	13.9
10%	13.0	12.2	12.2	9.5	6.3	5.4	6.5	8.2	10.4	12.5	15.3	13.5
25%	11.4	11.1	10.1	7.6	5.0	3.6	4.4	6.4	8.6	10.4	12.4	11.5
50%	10.2	10.2	8.4	4.7	2.7	2.6	2.8	3.8	6.7	8.1	9.2	10.2
75%	8.6	8.6	5.1	1.9	1.3	1.5	1.9	2.4	4.7	6.3	8.0	9.5
99.9%	4.8	2.1	1.0	0.6	0.7	0.7	0.6	0.7	0.9	2.5	5.4	5.8

Table G.1-15-7-B. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 3

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	9.6	9.7	7.8	5.0	3.3	2.9	3.4	4.5	6.7	8.6	10.1	10.3
Wet Water Years	8.8	8.4	4.9	2.0	1.3	1.5	1.7	2.2	4.0	6.5	8.7	9.8
Above Normal Water Years	9.6	9.6	7.6	3.5	1.9	1.7	2.2	3.2	5.5	5.8	6.2	6.5
Below Normal Water Years	9.4	9.7	8.5	5.2	3.4	3.0	3.2	4.7	6.8	7.4	8.2	9.5
Dry Water Years	9.9	10.4	9.5	7.3	4.5	3.7	4.4	6.1	8.2	10.0	11.8	11.3
Critical Water Years	11.2	11.3	10.1	8.6	6.2	5.4	7.0	9.1	12.0	14.1	15.8	13.8

Table G.1-15-7-C. Chadbourne Slough near Sunrise Duck Club, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 3 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	-2.6	-0.8	0.1	0.7	2.2	-0.5	-1.2	-0.3	-1.0	-1.1	-1.4	-0.7
1%	0.0	-0.6	0.3	0.1	0.3	-0.3	-1.6	-0.1	-0.8	-1.6	-0.9	-0.6
5%	0.0	-0.3	-0.3	0.2	-0.3	-0.3	-1.1	-1.1	-1.4	-1.0	-1.5	-0.6
10%	0.0	-0.2	0.0	-0.4	-0.2	-0.5	-1.1	-1.0	-2.8	-3.2	-2.1	-0.8
25%	-0.4	-0.2	-0.3	-0.5	0.2	-0.2	-0.8	-0.5	0.1	-0.1	-0.1	-0.2
50%	-0.2	-0.2	-0.2	0.1	-0.1	-0.1	-0.3	-0.7	0.1	0.5	0.6	0.1
75%	0.0	-0.8	-0.3	-0.1	0.0	0.0	0.0	0.0	0.1	1.0	1.5	0.4
99.9%	0.0	0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.5	-0.5

Table G.1-15-7-D. Chadbourne Slough near Sunrise Duck Club, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 3 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	-0.5	-0.3	-0.1	-0.1	0.0	-0.1	-0.4	-0.4	-0.2	0.2	0.5	-0.2
Wet Water Years	-0.5	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	0.2	0.0	0.2	0.2
Above Normal Water Years	-0.5	-0.4	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	1.0	1.7	-1.0
Below Normal Water Years	-0.4	-0.3	-0.1	0.1	0.0	-0.1	-0.2	0.2	0.3	1.2	1.5	-0.7
Dry Water Years	-0.6	-0.3	-0.2	-0.1	-0.1	-0.2	-0.2	0.0	0.1	0.5	0.9	0.3
Critical Water Years	-0.4	-0.3	0.0	0.1	0.1	-0.2	-1.0	-0.4	-0.7	-1.5	-1.4	-0.5

Table G.1-15-8-A. Chadbourne Slough near Sunrise Duck Club, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 4

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	13.8	13.5	14.4	12.6	11.5	7.3	8.9	10.9	13.8	16.3	17.1	14.4
1%	13.7	13.3	14.3	11.2	9.2	7.1	8.4	10.5	13.6	15.7	17.0	14.1
5%	13.3	12.8	12.8	10.6	6.9	6.6	7.5	9.0	12.3	15.3	16.2	13.9
10%	13.0	12.2	12.2	9.5	6.3	5.4	6.5	8.2	10.4	12.5	15.3	13.5
25%	11.4	11.1	10.1	7.6	5.0	3.6	4.4	6.4	8.6	10.4	12.4	11.5
50%	10.2	10.2	8.4	4.7	2.7	2.6	2.8	3.8	6.7	8.1	9.2	10.2
75%	8.6	8.6	5.1	1.9	1.3	1.5	1.9	2.4	4.7	6.3	8.0	9.5
99.9%	4.8	2.1	1.0	0.6	0.7	0.7	0.6	0.7	0.9	2.5	5.4	5.8

Table G.1-15-8-B. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 4

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	9.6	9.7	7.8	5.0	3.3	2.9	3.4	4.5	6.7	8.6	10.1	10.3
Wet Water Years	8.9	8.3	4.7	1.9	1.3	1.5	1.7	2.3	3.9	6.5	8.8	9.8
Above Normal Water Years	9.6	9.7	7.4	3.6	2.0	1.8	2.3	3.5	5.6	5.8	6.3	6.6
Below Normal Water Years	9.6	9.9	8.6	5.1	3.4	3.1	3.5	4.9	6.8	7.3	8.1	9.6
Dry Water Years	9.9	10.5	9.3	7.5	4.7	3.9	4.8	6.3	8.4	10.9	13.5	12.1
Critical Water Years	11.2	11.5	9.7	8.0	6.0	5.6	7.9	9.3	12.5	15.4	17.0	14.2

Table G.1-15-8-C. Chadbourne Slough near Sunrise Duck Club, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 4 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	-2.6	-0.8	0.1	0.7	2.2	-0.5	-1.2	-0.3	-1.0	-1.1	-1.4	-0.7
1%	0.0	-0.6	0.3	0.1	0.3	-0.3	-1.6	-0.1	-0.8	-1.6	-0.9	-0.6
5%	0.0	-0.3	-0.3	0.2	-0.3	-0.3	-1.1	-1.1	-1.4	-1.0	-1.5	-0.6
10%	0.0	-0.2	0.0	-0.4	-0.2	-0.5	-1.1	-1.0	-2.8	-3.2	-2.1	-0.8
25%	-0.4	-0.2	-0.3	-0.5	0.2	-0.2	-0.8	-0.5	0.1	-0.1	-0.1	-0.2
50%	-0.2	-0.2	-0.2	0.1	-0.1	-0.1	-0.3	-0.7	0.1	0.5	0.6	0.1
75%	0.0	-0.8	-0.3	-0.1	0.0	0.0	0.0	0.0	0.1	1.0	1.5	0.4
99.9%	0.0	0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	1.5	-0.5

Table G.1-15-8-D. Chadbourne Slough near Sunrise Duck Club, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 4 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	-0.5	-0.3	-0.1	-0.1	0.0	-0.1	-0.4	-0.4	-0.2	0.2	0.5	-0.2
Wet Water Years	-0.4	-0.1	-0.2	-0.1	0.0	0.0	0.0	0.2	0.1	0.0	0.2	0.2
Above Normal Water Years	-0.4	-0.3	-0.3	0.1	0.1	0.0	0.1	0.3	0.2	1.1	1.8	-0.9
Below Normal Water Years	-0.2	-0.1	0.0	0.0	0.0	0.0	0.1	0.4	0.4	1.1	1.4	-0.6
Dry Water Years	-0.5	-0.2	-0.4	0.0	0.1	0.1	0.1	0.2	0.4	1.4	2.5	1.1
Critical Water Years	-0.4	-0.1	-0.4	-0.5	-0.1	0.0	-0.1	-0.2	-0.2	-0.1	-0.1	-0.1

Table G.1-16-1-A. Suisun Slough 300 ft south of Volanti Slough, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	15.2	13.6	13.2	10.8	7.8	7.1	9.0	10.1	13.5	16.3	17.9	14.0
1%	13.3	12.8	13.0	10.0	7.5	6.3	9.0	9.7	13.3	16.3	17.4	13.6
5%	12.1	11.9	12.4	9.2	6.2	6.1	7.7	8.9	12.1	15.5	17.1	13.4
10%	11.9	11.7	11.2	8.6	5.8	4.8	6.7	7.9	11.5	14.5	16.6	13.1
25%	10.9	10.4	9.3	7.3	4.2	3.2	4.0	6.1	7.7	9.5	11.6	10.7
50%	9.6	9.7	7.8	3.9	2.3	1.9	2.2	3.5	5.5	6.4	7.6	9.6
75%	8.2	8.7	5.4	1.8	1.3	1.1	1.1	1.6	3.4	4.2	5.4	8.7
99.9%	4.3	2.2	0.8	0.6	0.7	0.5	0.5	0.5	0.5	1.6	2.8	5.6

Table G.1-16-1-B. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	9.5	9.3	7.4	4.6	2.8	2.3	2.9	3.9	5.8	7.2	8.6	9.6
Wet Water Years	8.7	7.8	4.8	2.0	1.1	1.0	1.0	1.4	2.8	5.4	7.6	9.2
Above Normal Water Years	9.4	9.3	7.3	3.3	1.6	1.3	1.3	2.2	4.3	3.6	3.4	6.5
Below Normal Water Years	9.2	9.5	8.1	4.6	2.9	2.5	2.6	3.7	5.3	5.0	5.5	9.1
Dry Water Years	9.8	9.9	8.8	6.5	3.9	3.0	3.7	5.1	6.9	8.3	9.9	10.1
Critical Water Years	10.7	10.7	9.2	7.4	5.2	4.6	6.8	8.4	11.3	14.5	16.5	13.2

Table G.1-16-2-A. Suisun Slough 300 ft south of Volanti Slough, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 1

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	19.3	19.5	17.9	16.5	14.6	12.1	11.5	11.7	14.1	15.7	16.5	17.8
1%	19.1	19.4	17.8	16.2	14.5	11.9	10.9	11.4	14.0	15.5	16.4	17.8
5%	18.7	19.0	17.2	15.3	13.4	8.8	9.1	10.2	13.0	14.7	16.1	17.5
10%	18.6	18.5	17.0	14.9	11.9	8.3	7.8	8.5	10.5	12.0	14.4	16.9
25%	17.4	17.3	16.2	13.7	9.3	6.1	5.1	6.9	8.1	10.1	12.8	15.5
50%	15.8	15.9	13.5	9.3	4.6	3.0	3.0	4.1	6.4	8.1	10.6	13.2
75%	14.5	14.6	9.1	3.0	1.8	1.5	1.5	2.0	3.6	6.4	8.9	12.4
99.9%	4.8	2.4	0.9	0.7	0.7	0.6	0.7	0.6	0.6	1.6	4.4	5.8

Table G.1-16-2-B. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 1

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	15.6	15.3	12.3	8.6	5.7	3.9	3.7	4.5	6.2	8.4	10.9	13.9
Wet Water Years	14.4	13.2	8.0	3.3	1.6	1.3	1.3	1.7	3.0	5.3	8.3	11.8
Above Normal Water Years	15.9	15.5	12.1	6.7	3.2	1.9	1.9	2.8	4.5	6.4	8.9	12.5
Below Normal Water Years	15.2	15.1	12.7	9.0	5.6	3.8	3.5	4.4	6.0	8.0	10.6	13.4
Dry Water Years	16.3	16.6	15.1	12.5	8.7	5.4	4.9	5.8	7.6	9.9	12.6	15.3
Critical Water Years	17.0	17.3	15.7	13.1	10.9	8.2	8.1	9.4	11.6	13.4	15.2	17.2

Table G.1-16-2-C. Suisun Slough 300 ft south of Volanti Slough, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 1 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	4.1	6.0	4.7	5.7	6.8	5.1	2.5	1.6	0.5	-0.6	-1.4	3.8
1%	5.8	6.6	4.9	6.1	7.0	5.6	1.9	1.8	0.7	-0.7	-1.0	4.2
5%	6.6	7.1	4.8	6.2	7.2	2.7	1.4	1.3	0.9	-0.8	-1.0	4.1
10%	6.7	6.9	5.8	6.3	6.1	3.5	1.0	0.5	-1.0	-2.6	-2.2	3.8
25%	6.5	6.9	6.9	6.4	5.1	2.9	1.1	0.8	0.4	0.6	1.2	4.8
50%	6.2	6.2	5.7	5.4	2.2	1.1	0.8	0.6	0.9	1.7	3.0	3.7
75%	6.3	5.9	3.7	1.2	0.5	0.4	0.4	0.4	0.1	2.1	3.6	3.8
99.9%	0.5	0.2	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.0	1.6	0.2

Table G.1-16-2-D. Suisun Slough 300 ft south of Volanti Slough, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 1 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	6.1	6.0	4.9	4.0	2.9	1.5	0.8	0.6	0.4	1.1	2.3	4.3
Wet Water Years	5.6	5.4	3.1	1.3	0.5	0.3	0.3	0.3	0.1	-0.1	0.7	2.7
Above Normal Water Years	6.5	6.2	4.8	3.4	1.5	0.6	0.5	0.5	0.2	2.8	5.4	6.0
Below Normal Water Years	5.9	5.6	4.6	4.4	2.7	1.3	0.8	0.7	0.7	3.1	5.0	4.3
Dry Water Years	6.5	6.6	6.2	6.0	4.8	2.3	1.2	0.7	0.6	1.6	2.7	5.3
Critical Water Years	6.3	6.5	6.5	5.7	5.7	3.6	1.3	0.9	0.3	-1.1	-1.2	4.0

Table G.1-16-3-A. Suisun Slough 300 ft south of Volanti Slough, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 With TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	15.0	13.5	13.2	9.9	7.8	6.9	9.0	10.1	13.4	16.2	17.6	13.7
1%	12.5	12.4	13.1	9.6	6.8	6.4	8.9	10.0	13.1	15.7	17.3	13.6
5%	12.2	11.8	12.0	8.5	6.1	6.0	7.8	8.7	12.0	15.4	17.1	13.4
10%	11.8	11.4	10.6	8.0	5.6	4.8	7.0	8.0	10.6	14.6	16.5	13.1
25%	10.7	10.4	9.3	6.8	4.0	3.1	4.1	6.3	7.9	9.5	11.6	10.4
50%	9.0	9.6	7.6	3.9	2.3	1.9	2.3	3.7	5.9	6.7	8.2	9.7
75%	8.2	7.4	5.2	1.7	1.3	1.0	1.1	1.7	3.6	5.1	6.2	8.3
99.9%	3.7	2.3	0.8	0.6	0.6	0.5	0.5	0.5	0.5	1.6	4.0	4.7

Table G.1-16-3-B. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 With TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	8.8	8.9	7.2	4.3	2.7	2.3	3.0	4.1	6.0	7.6	9.1	9.4
Wet Water Years	8.0	7.6	4.7	1.9	1.1	0.9	1.0	1.5	3.0	5.5	7.8	9.4
Above Normal Water Years	8.8	8.8	7.2	3.3	1.6	1.2	1.4	2.5	4.5	4.4	4.7	5.1
Below Normal Water Years	8.9	9.2	8.0	4.6	2.8	2.4	2.7	4.0	5.6	5.8	6.4	8.3
Dry Water Years	9.0	9.5	8.5	6.1	3.7	3.0	3.8	5.3	7.2	8.8	10.5	10.3
Critical Water Years	10.0	10.4	8.9	6.7	4.9	4.5	6.8	8.3	11.2	14.3	16.3	13.1

Table G.1-16-3-C. Suisun Slough 300 ft south of Volanti Slough, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), 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	0.0	0.0	-0.9	0.0	-0.2	0.0	0.0	-0.1	-0.1	-0.4	-0.3
1%	-0.7	-0.4	0.1	-0.4	-0.7	0.1	-0.1	0.3	-0.2	-0.5	-0.1	0.0
5%	0.1	-0.1	-0.4	-0.7	-0.1	-0.1	0.1	-0.2	-0.1	-0.1	0.0	0.0
10%	-0.1	-0.2	-0.6	-0.6	-0.2	0.0	0.3	0.1	-0.9	0.0	-0.2	0.0
25%	-0.3	0.0	0.0	-0.5	-0.2	0.0	0.1	0.2	0.2	0.1	0.0	-0.3
50%	-0.7	-0.1	-0.1	0.0	-0.1	0.0	0.1	0.3	0.5	0.3	0.6	0.1
75%	0.0	-1.3	-0.2	-0.1	0.0	0.0	0.0	0.1	0.2	0.8	0.9	-0.4
99.9%	-0.6	0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	1.2	-0.9

Table G.1-16-3-D. Suisun Slough 300 ft south of Volanti Slough, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), 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	-0.7	-0.3	-0.2	-0.2	-0.1	0.0	0.0	0.2	0.2	0.4	0.5	-0.2
Wet Water Years	-0.7	-0.2	-0.2	-0.1	0.0	0.0	0.0	0.1	0.2	0.0	0.2	0.2
Above Normal Water Years	-0.7	-0.5	-0.1	0.0	0.0	0.0	0.0	0.2	0.3	0.8	1.2	-1.4
Below Normal Water Years	-0.4	-0.3	-0.1	0.0	0.0	-0.1	0.0	0.3	0.3	0.8	0.9	-0.9
Dry Water Years	-0.8	-0.4	-0.4	-0.4	-0.2	0.0	0.0	0.2	0.3	0.5	0.7	0.2
Critical Water Years	-0.7	-0.4	-0.3	-0.7	-0.2	0.0	0.0	-0.1	-0.1	-0.2	-0.1	-0.1

Table G.1-16-4-A. Suisun Slough 300 ft south of Volanti Slough, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 Without TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	12.6	12.3	13.2	11.4	8.3	6.7	8.0	10.0	13.3	15.4	16.3	13.1
1%	12.5	12.0	13.1	9.9	8.0	6.4	7.9	9.8	13.1	15.1	16.2	13.1
5%	12.2	11.4	12.0	8.6	6.1	6.1	6.9	8.5	11.9	14.4	15.8	12.9
10%	12.1	11.3	10.4	8.0	5.6	4.6	6.1	7.8	9.7	11.4	14.3	12.5
25%	10.7	10.4	9.2	6.8	4.0	3.1	3.9	6.2	7.9	9.4	11.6	10.4
50%	9.1	9.6	7.5	4.0	2.2	1.9	2.3	3.7	5.9	6.7	8.2	9.7
75%	8.2	7.4	5.0	1.7	1.3	1.0	1.1	1.7	3.6	5.1	6.2	8.5
99.9%	3.7	2.3	0.8	0.6	0.6	0.5	0.5	0.5	0.5	1.6	4.0	4.7

Table G.1-16-4-B. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 Without TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	8.8	8.9	7.2	4.5	2.8	2.3	2.8	4.0	5.9	7.4	8.9	9.3
Wet Water Years	8.0	7.6	4.7	1.9	1.1	0.9	1.0	1.5	3.0	5.5	7.8	9.4
Above Normal Water Years	8.8	8.8	7.1	3.3	1.6	1.2	1.4	2.5	4.5	4.4	4.7	5.1
Below Normal Water Years	8.8	9.1	8.0	4.7	2.9	2.4	2.7	4.0	5.6	5.8	6.4	8.3
Dry Water Years	9.0	9.5	8.4	6.1	3.8	3.0	3.8	5.3	7.2	8.8	10.5	10.3
Critical Water Years	10.1	10.3	8.9	7.2	5.0	4.4	5.8	7.9	10.8	13.1	15.0	12.7

Table G.1-16-4-C. Suisun Slough 300 ft south of Volanti Slough, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), 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%	-2.6	-1.3	0.0	0.6	0.4	-0.4	-1.0	-0.1	-0.3	-0.9	-1.7	-0.9
1%	-0.8	-0.8	0.1	-0.1	0.4	0.1	-1.1	0.2	-0.2	-1.2	-1.3	-0.6
5%	0.1	-0.5	-0.4	-0.6	-0.2	0.0	-0.8	-0.4	-0.2	-1.1	-1.2	-0.6
10%	0.2	-0.3	-0.8	-0.6	-0.2	-0.2	-0.7	-0.2	-1.8	-3.2	-2.3	-0.6
25%	-0.3	0.0	-0.1	-0.5	-0.2	0.0	-0.2	0.2	0.2	-0.1	0.0	-0.3
50%	-0.5	-0.2	-0.3	0.1	-0.1	0.0	0.1	0.3	0.5	0.3	0.6	0.1
75%	0.0	-1.3	-0.4	-0.1	0.0	0.0	0.0	0.1	0.2	0.8	0.9	-0.2
99.9%	-0.6	0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	1.1	-0.9

Table G.1-16-4-D. Suisun Slough 300 ft south of Volanti Slough, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), 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	-0.6	-0.4	-0.2	-0.1	-0.1	0.0	-0.1	0.1	0.1	0.2	0.3	-0.3
Wet Water Years	-0.7	-0.2	-0.2	-0.1	0.0	0.0	0.0	0.1	0.2	0.0	0.2	0.2
Above Normal Water Years	-0.6	-0.5	-0.1	0.0	0.0	0.0	0.0	0.2	0.3	0.8	1.2	-1.4
Below Normal Water Years	-0.5	-0.4	-0.1	0.2	0.0	0.0	0.0	0.3	0.3	0.8	0.9	-0.8
Dry Water Years	-0.7	-0.5	-0.4	-0.3	-0.1	0.0	0.0	0.2	0.3	0.5	0.7	0.2
Critical Water Years	-0.6	-0.5	-0.3	-0.2	-0.1	-0.2	-1.0	-0.5	-0.5	-1.4	-1.4	-0.5

Table G.1-16-5-A. Suisun Slough 300 ft south of Volanti Slough, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 Without TUCP Delta VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	12.8	12.4	13.2	11.6	10.6	6.6	8.3	10.2	13.4	15.4	16.2	13.1
1%	12.6	11.9	13.1	10.1	7.9	6.2	7.9	10.0	13.2	15.2	16.2	13.1
5%	12.2	11.5	12.1	9.1	6.1	5.7	6.9	8.4	11.8	14.4	15.8	12.8
10%	12.1	11.4	11.1	8.2	5.3	4.7	5.8	7.6	9.7	11.4	14.2	12.5
25%	10.7	10.3	9.2	6.8	4.0	3.1	3.6	5.9	7.9	9.3	11.6	10.4
50%	9.2	9.6	7.6	4.0	2.5	1.8	2.1	3.4	5.9	6.7	8.2	9.6
75%	8.2	7.4	5.2	1.7	1.3	1.0	1.1	1.7	3.6	5.0	6.2	8.3
99.9%	3.7	2.3	0.8	0.6	0.6	0.5	0.5	0.5	0.5	1.6	3.9	4.7

Table G.1-16-5-B. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 Without TUCP Delta VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	8.8	8.9	7.3	4.5	2.8	2.3	2.7	3.9	5.9	7.4	8.9	9.3
Wet Water Years	8.1	7.6	4.8	1.9	1.1	0.9	1.0	1.5	3.0	5.5	7.7	9.4
Above Normal Water Years	8.8	8.8	7.2	3.3	1.6	1.2	1.3	2.2	4.4	4.4	4.6	5.1
Below Normal Water Years	8.7	9.0	7.9	4.6	2.9	2.3	2.4	3.8	5.6	5.8	6.4	8.2
Dry Water Years	9.0	9.5	8.6	6.3	3.8	2.9	3.5	5.1	7.0	8.7	10.5	10.3
Critical Water Years	10.1	10.3	9.1	7.5	5.3	4.4	5.9	7.9	10.8	13.0	15.0	12.7

Table G.1-16-5-C. Suisun Slough 300 ft south of Volanti Slough, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), 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%	-2.4	-1.1	0.0	0.8	2.8	-0.5	-0.8	0.1	-0.1	-0.9	-1.7	-0.9
1%	-0.7	-0.9	0.1	0.1	0.3	-0.2	-1.1	0.4	-0.1	-1.1	-1.3	-0.6
5%	0.1	-0.5	-0.3	-0.1	-0.1	-0.4	-0.8	-0.5	-0.3	-1.1	-1.3	-0.6
10%	0.1	-0.3	-0.1	-0.4	-0.5	-0.1	-0.9	-0.3	-1.8	-3.2	-2.4	-0.6
25%	-0.3	-0.1	-0.1	-0.5	-0.2	-0.1	-0.5	-0.2	0.2	-0.2	0.0	-0.3
50%	-0.4	-0.1	-0.1	0.1	0.2	-0.1	-0.1	0.0	0.4	0.3	0.6	0.1
75%	0.0	-1.3	-0.2	-0.1	0.0	0.0	0.0	0.1	0.2	0.8	0.8	-0.4
99.9%	-0.6	0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	1.1	-0.9

Table G.1-16-5-D. Suisun Slough 300 ft south of Volanti Slough, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), 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	-0.7	-0.4	-0.1	0.0	0.0	-0.1	-0.3	0.0	0.1	0.1	0.3	-0.3
Wet Water Years	-0.7	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.1	0.2	0.0	0.1	0.2
Above Normal Water Years	-0.6	-0.5	-0.1	0.0	0.0	0.0	-0.1	0.0	0.2	0.8	1.1	-1.4
Below Normal Water Years	-0.5	-0.5	-0.1	0.1	0.0	-0.1	-0.2	0.1	0.3	0.8	0.9	-0.9
Dry Water Years	-0.8	-0.5	-0.3	-0.2	-0.1	-0.1	-0.2	0.0	0.1	0.4	0.6	0.2
Critical Water Years	-0.6	-0.4	-0.1	0.1	0.1	-0.2	-0.9	-0.5	-0.5	-1.4	-1.4	-0.5

Table G.1-16-6-A. Suisun Slough 300 ft south of Volanti Slough, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	12.8	12.5	13.2	11.5	10.6	6.6	8.0	10.0	12.9	15.3	16.2	13.1
1%	12.6	12.4	13.1	10.1	7.8	6.1	7.7	9.5	12.5	14.6	16.1	13.0
5%	12.2	11.7	12.0	9.1	6.3	5.7	6.4	8.4	10.7	14.2	15.5	12.8
10%	12.0	11.4	11.1	8.1	5.5	4.6	5.6	7.2	9.5	11.3	14.2	12.5
25%	10.7	10.2	9.2	6.8	4.1	3.0	3.4	5.3	7.6	9.3	11.6	10.4
50%	9.2	9.4	7.5	4.0	2.0	1.8	2.0	2.9	5.5	6.7	8.2	9.6
75%	8.2	7.4	5.0	1.7	1.3	1.0	1.1	1.6	3.5	5.0	6.1	8.4
99.9%	3.7	2.3	0.8	0.6	0.6	0.5	0.5	0.5	0.5	1.6	4.0	4.7

Table G.1-16-6-B. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	8.8	8.8	7.2	4.5	2.8	2.2	2.6	3.6	5.6	7.3	8.8	9.3
Wet Water Years	8.0	7.4	4.6	1.9	1.1	0.9	1.0	1.5	3.0	5.5	7.7	9.3
Above Normal Water Years	8.8	8.8	7.1	3.3	1.6	1.2	1.2	2.0	4.1	4.3	4.5	5.0
Below Normal Water Years	8.7	9.0	8.0	4.6	2.9	2.3	2.2	3.2	5.4	5.9	6.4	8.3
Dry Water Years	8.9	9.4	8.5	6.2	3.8	2.9	3.3	4.5	6.7	8.6	10.5	10.3
Critical Water Years	10.1	10.3	9.1	7.4	5.3	4.3	5.6	7.7	10.4	12.8	14.9	12.6

Table G.1-16-6-C. Suisun Slough 300 ft south of Volanti Slough, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), 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%	-2.4	-1.0	0.0	0.7	2.7	-0.5	-1.1	-0.1	-0.7	-1.0	-1.7	-0.9
1%	-0.7	-0.4	0.1	0.1	0.3	-0.2	-1.3	-0.2	-0.9	-1.6	-1.3	-0.6
5%	0.1	-0.2	-0.4	-0.1	0.1	-0.4	-1.3	-0.5	-1.4	-1.3	-1.6	-0.6
10%	0.1	-0.3	-0.1	-0.5	-0.3	-0.2	-1.1	-0.8	-2.0	-3.3	-2.4	-0.6
25%	-0.3	-0.2	-0.1	-0.5	-0.1	-0.2	-0.6	-0.7	-0.1	-0.2	0.1	-0.3
50%	-0.4	-0.3	-0.2	0.0	-0.3	-0.1	-0.2	-0.6	0.0	0.3	0.5	0.0
75%	0.0	-1.3	-0.4	-0.1	0.0	0.0	0.0	0.0	0.1	0.8	0.8	-0.3
99.9%	-0.6	0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	1.2	-0.9

Table G.1-16-6-D. Suisun Slough 300 ft south of Volanti Slough, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), 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	-0.7	-0.4	-0.2	-0.1	0.0	-0.1	-0.4	-0.4	-0.2	0.1	0.2	-0.4
Wet Water Years	-0.7	-0.3	-0.2	-0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.2
Above Normal Water Years	-0.7	-0.5	-0.2	0.0	0.0	0.0	-0.1	-0.3	-0.2	0.7	1.0	-1.5
Below Normal Water Years	-0.6	-0.4	0.0	0.0	0.0	-0.1	-0.4	-0.5	0.1	0.9	0.8	-0.9
Dry Water Years	-0.8	-0.5	-0.3	-0.3	-0.1	-0.2	-0.5	-0.6	-0.3	0.3	0.6	0.2
Critical Water Years	-0.6	-0.5	-0.1	0.0	0.2	-0.3	-1.2	-0.7	-0.9	-1.6	-1.6	-0.6

Table G.1-16-7-A. Suisun Slough 300 ft south of Volanti Slough, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 3

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	12.8	12.5	13.2	11.5	10.6	6.6	8.0	10.0	12.9	15.3	16.2	13.1
1%	12.6	12.4	13.1	10.1	7.8	6.1	7.7	9.5	12.5	14.6	16.1	13.0
5%	12.2	11.7	12.0	9.1	6.3	5.7	6.4	8.4	10.7	14.2	15.5	12.8
10%	12.0	11.4	11.1	8.1	5.5	4.6	5.6	7.2	9.5	11.3	14.2	12.5
25%	10.7	10.2	9.2	6.8	4.1	3.0	3.4	5.3	7.6	9.3	11.6	10.4
50%	9.2	9.4	7.5	4.0	2.0	1.8	2.0	2.9	5.5	6.7	8.2	9.6
75%	8.2	7.4	5.0	1.7	1.3	1.0	1.1	1.6	3.5	5.0	6.1	8.4
99.9%	3.7	2.3	0.8	0.6	0.6	0.5	0.5	0.5	0.5	1.6	4.0	4.7

Table G.1-16-7-B. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 3

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	8.8	8.8	7.2	4.5	2.8	2.2	2.6	3.6	5.6	7.3	8.8	9.3
Wet Water Years	8.1	7.6	4.8	1.9	1.1	0.9	1.0	1.5	3.0	5.5	7.7	9.4
Above Normal Water Years	8.8	8.8	7.2	3.3	1.6	1.2	1.3	2.2	4.4	4.4	4.6	5.1
Below Normal Water Years	8.7	9.0	7.9	4.6	2.9	2.3	2.4	3.8	5.6	5.8	6.4	8.2
Dry Water Years	9.0	9.5	8.6	6.3	3.8	2.9	3.5	5.1	7.0	8.7	10.5	10.3
Critical Water Years	10.1	10.3	9.1	7.5	5.3	4.4	5.9	7.9	10.8	13.0	15.0	12.7

Table G.1-16-7-C. Suisun Slough 300 ft south of Volanti Slough, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 3 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	-2.4	-1.0	0.0	0.7	2.7	-0.5	-1.1	-0.1	-0.7	-1.0	-1.7	-0.9
1%	-0.7	-0.4	0.1	0.1	0.3	-0.2	-1.3	-0.2	-0.9	-1.6	-1.3	-0.6
5%	0.1	-0.2	-0.4	-0.1	0.1	-0.4	-1.3	-0.5	-1.4	-1.3	-1.6	-0.6
10%	0.1	-0.3	-0.1	-0.5	-0.3	-0.2	-1.1	-0.8	-2.0	-3.3	-2.4	-0.6
25%	-0.3	-0.2	-0.1	-0.5	-0.1	-0.2	-0.6	-0.7	-0.1	-0.2	0.1	-0.3
50%	-0.4	-0.3	-0.2	0.0	-0.3	-0.1	-0.2	-0.6	0.0	0.3	0.5	0.0
75%	0.0	-1.3	-0.4	-0.1	0.0	0.0	0.0	0.0	0.1	0.8	0.8	-0.3
99.9%	-0.6	0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	1.2	-0.9

Table G.1-16-7-D. Suisun Slough 300 ft south of Volanti Slough, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 3 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	-0.7	-0.4	-0.2	-0.1	0.0	-0.1	-0.4	-0.4	-0.2	0.1	0.2	-0.4
Wet Water Years	-0.7	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.1	0.2	0.0	0.1	0.2
Above Normal Water Years	-0.6	-0.5	-0.1	0.0	0.0	0.0	-0.1	0.0	0.2	0.8	1.1	-1.4
Below Normal Water Years	-0.5	-0.5	-0.1	0.1	0.0	-0.1	-0.2	0.1	0.3	0.8	0.9	-0.9
Dry Water Years	-0.8	-0.5	-0.3	-0.2	-0.1	-0.1	-0.2	0.0	0.1	0.4	0.6	0.2
Critical Water Years	-0.6	-0.4	-0.1	0.1	0.1	-0.2	-0.9	-0.5	-0.5	-1.4	-1.4	-0.5

Table G.1-16-8-A. Suisun Slough 300 ft south of Volanti Slough, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 4

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	12.8	12.5	13.2	11.5	10.6	6.6	8.0	10.0	12.9	15.3	16.2	13.1
1%	12.6	12.4	13.1	10.1	7.8	6.1	7.7	9.5	12.5	14.6	16.1	13.0
5%	12.2	11.7	12.0	9.1	6.3	5.7	6.4	8.4	10.7	14.2	15.5	12.8
10%	12.0	11.4	11.1	8.1	5.5	4.6	5.6	7.2	9.5	11.3	14.2	12.5
25%	10.7	10.2	9.2	6.8	4.1	3.0	3.4	5.3	7.6	9.3	11.6	10.4
50%	9.2	9.4	7.5	4.0	2.0	1.8	2.0	2.9	5.5	6.7	8.2	9.6
75%	8.2	7.4	5.0	1.7	1.3	1.0	1.1	1.6	3.5	5.0	6.1	8.4
99.9%	3.7	2.3	0.8	0.6	0.6	0.5	0.5	0.5	0.5	1.6	4.0	4.7

Table G.1-16-8-B. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 4

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	8.8	8.8	7.2	4.5	2.8	2.2	2.6	3.6	5.6	7.3	8.8	9.3
Wet Water Years	8.1	7.5	4.6	1.8	1.1	1.0	1.0	1.6	3.0	5.5	7.8	9.4
Above Normal Water Years	8.8	8.8	7.0	3.4	1.8	1.3	1.4	2.5	4.5	4.4	4.7	5.1
Below Normal Water Years	8.9	9.2	8.1	4.6	2.9	2.5	2.7	4.0	5.6	5.8	6.3	8.3
Dry Water Years	9.0	9.5	8.4	6.5	4.0	3.1	3.9	5.3	7.3	9.8	12.5	11.1
Critical Water Years	10.0	10.4	8.8	6.9	5.1	4.6	6.7	8.2	11.1	14.3	16.3	13.1

Table G.1-16-8-C. Suisun Slough 300 ft south of Volanti Slough, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 4 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	-2.4	-1.0	0.0	0.7	2.7	-0.5	-1.1	-0.1	-0.7	-1.0	-1.7	-0.9
1%	-0.7	-0.4	0.1	0.1	0.3	-0.2	-1.3	-0.2	-0.9	-1.6	-1.3	-0.6
5%	0.1	-0.2	-0.4	-0.1	0.1	-0.4	-1.3	-0.5	-1.4	-1.3	-1.6	-0.6
10%	0.1	-0.3	-0.1	-0.5	-0.3	-0.2	-1.1	-0.8	-2.0	-3.3	-2.4	-0.6
25%	-0.3	-0.2	-0.1	-0.5	-0.1	-0.2	-0.6	-0.7	-0.1	-0.2	0.1	-0.3
50%	-0.4	-0.3	-0.2	0.0	-0.3	-0.1	-0.2	-0.6	0.0	0.3	0.5	0.0
75%	0.0	-1.3	-0.4	-0.1	0.0	0.0	0.0	0.0	0.1	0.8	0.8	-0.3
99.9%	-0.6	0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	1.2	-0.9

Table G.1-16-8-D. Suisun Slough 300 ft south of Volanti Slough, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), Alternative 4 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	-0.7	-0.4	-0.2	-0.1	0.0	-0.1	-0.4	-0.4	-0.2	0.1	0.2	-0.4
Wet Water Years	-0.6	-0.3	-0.3	-0.1	0.0	0.0	0.0	0.1	0.2	0.0	0.2	0.2
Above Normal Water Years	-0.7	-0.5	-0.3	0.1	0.1	0.0	0.1	0.3	0.3	0.8	1.2	-1.4
Below Normal Water Years	-0.3	-0.2	0.0	0.0	0.0	0.0	0.1	0.3	0.3	0.8	0.8	-0.9
Dry Water Years	-0.7	-0.4	-0.5	0.0	0.1	0.1	0.1	0.2	0.4	1.5	2.7	1.1
Critical Water Years	-0.7	-0.3	-0.4	-0.5	-0.1	0.0	-0.1	-0.2	-0.2	-0.1	-0.1	-0.1

Table G.1-17-1-A. Banks Pumping Plant, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	690	806	858	874	977	818	681	648	663	645	684	713
1%	681	788	828	835	835	718	617	591	658	612	662	658
5%	641	744	807	803	790	665	607	520	545	582	609	620
10%	623	728	771	774	695	615	570	502	502	534	564	582
25%	601	629	729	717	608	571	533	460	362	348	409	506
50%	542	529	671	583	521	520	499	436	337	307	334	440
75%	320	299	531	441	418	384	327	334	319	280	279	306
99.9%	248	176	111	107	105	105	98	97	117	234	249	256

Table G.1-17-1-B. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	469	483	619	565	498	473	432	380	348	339	367	422
Wet Water Years	438	424	498	418	348	312	260	224	266	289	279	300
Above Normal Water Years	469	456	639	573	482	455	423	385	329	283	274	312
Below Normal Water Years	419	436	610	590	509	514	460	406	338	305	351	474
Dry Water Years	485	508	687	636	584	544	519	448	343	324	401	470
Critical Water Years	557	627	721	678	635	615	579	520	523	535	569	599

Table G.1-17-2-A. Banks Pumping Plant, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	720	862	956	894	981	774	633	552	547	599	553	581
1%	695	806	871	891	876	768	615	523	546	572	524	577
5%	656	787	832	784	831	693	565	496	488	490	502	551
10%	630	764	800	759	729	615	553	481	464	441	478	533
25%	595	661	755	710	615	535	508	441	364	352	419	501
50%	558	592	697	572	465	429	463	402	317	306	359	483
75%	528	532	560	380	357	352	327	309	290	279	315	454
99.9%	248	176	111	107	105	104	98	97	112	234	258	252

Table G.1-17-2-B. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	552	586	633	542	485	437	414	361	329	329	372	476
Wet Water Years	521	517	501	388	317	282	257	221	253	293	307	437
Above Normal Water Years	572	609	659	528	420	391	403	359	299	273	316	481
Below Normal Water Years	537	570	618	544	494	443	434	382	324	305	376	463
Dry Water Years	561	608	705	641	589	503	493	424	341	331	409	487
Critical Water Years	589	668	752	675	667	641	556	488	474	467	475	534

Table G.1-17-2-C. Banks Pumping Plant, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	30	56	98	20	4	-43	-48	-96	-117	-46	-131	-132
1%	14	18	44	55	41	50	-1	-67	-112	-40	-138	-81
5%	15	43	26	-19	41	28	-42	-24	-56	-92	-108	-68
10%	7	37	29	-15	34	-1	-17	-21	-38	-93	-86	-49
25%	-6	32	26	-7	6	-36	-25	-19	2	4	10	-5
50%	16	63	26	-11	-56	-91	-36	-33	-20	-2	24	43
75%	208	233	29	-61	-61	-32	0	-25	-29	-2	36	148
99.9%	1	0	0	0	0	-1	0	0	-4	0	9	-4

Table G.1-17-2-D. Banks Pumping Plant, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	82	102	14	-22	-14	-36	-18	-20	-19	-9	5	54
Wet Water Years	83	93	3	-30	-31	-30	-3	-3	-13	5	29	138
Above Normal Water Years	102	154	21	-45	-62	-64	-20	-26	-31	-10	43	170
Below Normal Water Years	119	134	8	-46	-15	-71	-26	-24	-14	0	25	-11
Dry Water Years	77	99	18	5	5	-42	-26	-24	-2	7	7	17
Critical Water Years	32	41	31	-3	32	26	-23	-32	-49	-68	-94	-65

Table G.1-17-3-A. Banks Pumping Plant, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 With TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	690	813	830	872	979	783	658	621	651	660	645	646
1%	681	797	826	871	857	732	640	588	641	625	640	637
5%	644	772	788	810	775	664	599	517	557	581	605	618
10%	630	738	773	779	689	627	574	496	473	534	569	581
25%	604	628	731	712	605	578	522	446	374	357	415	505
50%	547	513	660	584	523	524	495	408	345	308	352	454
75%	321	299	526	446	420	382	332	312	319	282	284	315
99.9%	250	176	110	107	106	105	98	97	114	233	256	250

Table G.1-17-3-B. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 With TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	473	484	614	568	499	474	430	371	351	342	373	427
Wet Water Years	442	419	494	415	345	310	261	221	266	293	286	306
Above Normal Water Years	475	461	614	576	482	453	416	365	330	277	282	325
Below Normal Water Years	423	437	603	589	513	516	461	394	342	308	360	475
Dry Water Years	488	508	689	644	590	549	516	439	354	336	413	484
Critical Water Years	556	634	722	691	632	622	573	511	519	530	559	591

Table G.1-17-3-C. Banks Pumping Plant, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	-1	8	-28	-2	2	-35	-23	-27	-13	15	-39	-67
1%	1	9	-2	36	22	14	23	-3	-17	14	-22	-21
5%	3	28	-18	7	-15	-1	-7	-3	13	0	-5	-1
10%	8	11	2	4	-6	12	4	-6	-29	1	5	-1
25%	3	0	1	-4	-3	7	-10	-14	12	9	6	-1
50%	5	-16	-11	1	2	4	-4	-28	7	1	17	14
75%	1	0	-5	5	2	-2	5	-22	0	2	5	9
99.9%	2	0	0	0	1	0	0	0	-3	-1	6	-6

Table G.1-17-3-D. Banks Pumping Plant, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	3	1	-5	4	1	2	-2	-9	3	3	6	6
Wet Water Years	4	-5	-3	-3	-3	-3	1	-2	1	4	7	6
Above Normal Water Years	6	5	-25	3	1	-2	-7	-20	1	-6	9	14
Below Normal Water Years	4	1	-7	-1	4	2	1	-12	4	3	9	1
Dry Water Years	3	0	3	9	6	4	-3	-9	11	11	12	13
Critical Water Years	0	8	1	14	-3	7	-6	-9	-4	-5	-10	-8

Table G.1-17-4-A. Banks Pumping Plant, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	690	810	870	882	984	783	625	547	528	606	564	579
1%	686	805	818	870	901	771	605	516	517	554	519	563
5%	646	770	785	824	794	675	584	505	489	491	508	547
10%	633	744	757	786	695	641	551	487	456	445	484	533
25%	607	631	724	714	606	582	521	446	373	359	406	493
50%	551	507	656	584	525	524	495	412	345	308	349	442
75%	320	299	526	446	420	381	332	312	319	282	285	315
99.9%	250	176	110	107	106	105	98	97	114	233	256	250

Table G.1-17-4-B. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	474	486	611	569	501	478	427	368	343	331	358	416
Wet Water Years	442	418	493	416	345	310	262	222	266	293	286	306
Above Normal Water Years	476	462	613	577	483	454	416	365	330	277	283	325
Below Normal Water Years	426	442	605	596	514	515	461	396	343	310	359	469
Dry Water Years	490	508	684	639	588	548	516	439	354	335	413	484
Critical Water Years	561	641	709	692	644	648	556	487	470	461	468	530

Table G.1-17-4-C. Banks Pumping Plant, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	-1	4	12	8	7	-34	-56	-102	-136	-39	-119	-135
1%	5	17	-9	34	66	53	-11	-75	-141	-58	-142	-95
5%	5	27	-22	21	4	10	-23	-14	-56	-90	-102	-72
10%	11	16	-14	11	0	26	-19	-15	-46	-89	-79	-49
25%	5	2	-5	-3	-2	11	-11	-14	11	11	-3	-13
50%	9	-22	-15	1	4	4	-4	-24	8	1	15	2
75%	0	0	-5	5	2	-3	5	-22	0	2	6	9
99.9%	2	0	0	0	0	0	0	0	-3	-1	6	-6

Table G.1-17-4-D. Banks Pumping Plant, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	5	2	-8	4	3	6	-5	-13	-5	-8	-9	-5
Wet Water Years	3	-6	-5	-3	-3	-2	2	-2	1	4	7	6
Above Normal Water Years	6	6	-26	4	2	-1	-6	-20	1	-6	10	13
Below Normal Water Years	8	6	-5	6	4	1	0	-10	5	5	8	-6
Dry Water Years	5	0	-2	4	4	4	-3	-9	10	11	11	13
Critical Water Years	4	14	-12	14	9	33	-23	-33	-53	-74	-101	-69

Table G.1-17-5-A. Banks Pumping Plant, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Delta VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	720	827	894	882	1009	867	650	557	529	614	567	583
1%	704	814	818	868	993	810	621	528	520	556	524	568
5%	655	767	789	817	800	747	602	509	491	491	501	561
10%	637	746	766	769	694	695	595	504	458	439	481	534
25%	604	638	728	712	611	651	557	471	378	360	414	503
50%	549	524	658	587	527	561	515	439	351	311	357	451
75%	320	300	526	448	420	379	341	318	323	287	284	314
99.9%	250	176	110	107	106	105	98	97	114	234	256	250

Table G.1-17-5-B. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Delta VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	476	487	612	566	504	511	446	380	347	332	360	420
Wet Water Years	444	424	496	417	345	317	261	224	267	295	285	305
Above Normal Water Years	478	465	615	577	483	485	439	385	336	285	285	321
Below Normal Water Years	430	440	610	599	516	577	490	411	348	311	363	476
Dry Water Years	489	507	686	632	590	599	555	463	360	334	417	493
Critical Water Years	563	641	707	685	656	667	563	490	473	458	468	534

Table G.1-17-5-C. Banks Pumping Plant, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	30	22	36	8	32	50	-31	-91	-135	-31	-117	-130
1%	23	26	-10	33	158	92	4	-63	-138	-56	-137	-89
5%	13	23	-17	13	10	82	-5	-11	-53	-90	-109	-59
10%	14	18	-5	-5	0	80	25	2	-44	-94	-83	-48
25%	3	9	-2	-5	3	79	24	11	16	12	5	-3
50%	7	-5	-13	4	6	41	16	3	13	4	23	11
75%	0	1	-5	7	2	-5	14	-16	5	6	4	8
99.9%	2	0	0	0	0	0	0	0	-3	0	7	-7

Table G.1-17-5-D. Banks Pumping Plant, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	7	4	-7	2	5	38	14	0	-1	-7	-7	-2
Wet Water Years	6	0	-2	-2	-3	5	1	1	1	6	6	6
Above Normal Water Years	9	10	-24	4	2	30	16	0	6	2	12	9
Below Normal Water Years	11	4	0	8	7	63	30	5	9	7	12	2
Dry Water Years	4	-1	-1	-4	6	55	36	15	17	10	16	22
Critical Water Years	6	14	-14	7	21	53	-16	-30	-50	-76	-101	-65

Table G.1-17-6-A. Banks Pumping Plant, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	741	828	901	862	1011	874	650	555	514	600	568	581
1%	726	828	817	844	993	811	622	524	504	516	522	560
5%	664	793	795	818	800	747	603	507	466	485	494	554
10%	637	740	762	771	695	695	595	500	454	433	475	534
25%	603	636	728	712	606	652	557	474	370	352	411	507
50%	548	534	662	585	525	562	515	438	347	313	353	451
75%	320	298	526	447	420	380	340	318	322	288	283	313
99.9%	250	176	110	107	106	105	98	97	114	234	253	249

Table G.1-17-6-B. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	475	486	612	565	503	512	446	380	343	331	359	419
Wet Water Years	442	424	497	419	345	317	261	224	267	295	285	305
Above Normal Water Years	475	466	616	577	483	485	439	385	334	283	280	317
Below Normal Water Years	433	443	612	595	516	577	490	410	344	314	361	475
Dry Water Years	487	504	684	626	583	599	555	465	357	335	419	494
Critical Water Years	562	633	703	687	662	670	564	488	461	447	462	531

Table G.1-17-6-C. Banks Pumping Plant, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	51	23	43	-12	34	57	-31	-93	-149	-45	-116	-132
1%	46	40	-11	9	158	93	6	-67	-154	-95	-140	-97
5%	23	49	-12	14	10	82	-4	-13	-79	-97	-115	-66
10%	14	13	-9	-3	0	79	25	-2	-49	-101	-88	-48
25%	2	8	-1	-4	-2	80	24	14	8	5	2	1
50%	6	5	-9	3	4	42	17	3	9	5	19	11
75%	0	-1	-5	6	2	-4	13	-17	3	8	4	7
99.9%	2	0	0	0	0	0	0	0	-3	0	3	-8

Table G.1-17-6-D. Banks Pumping Plant, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	6	3	-7	1	5	39	14	0	-5	-8	-8	-3
Wet Water Years	3	0	-1	1	-3	4	1	0	1	6	6	5
Above Normal Water Years	5	10	-23	4	2	30	16	0	4	1	7	5
Below Normal Water Years	14	7	1	5	7	63	30	4	6	9	10	1
Dry Water Years	2	-4	-3	-9	-1	55	36	17	13	11	18	23
Critical Water Years	5	6	-18	10	27	56	-15	-32	-62	-88	-107	-69

Table G.1-17-7-A. Banks Pumping Plant, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	741	828	901	862	1011	874	650	555	514	600	568	581
1%	726	828	817	844	993	811	622	524	504	516	522	560
5%	664	793	795	818	800	747	603	507	466	485	494	554
10%	637	740	762	771	695	695	595	500	454	433	475	534
25%	603	636	728	712	606	652	557	474	370	352	411	507
50%	548	534	662	585	525	562	515	438	347	313	353	451
75%	320	298	526	447	420	380	340	318	322	288	283	313
99.9%	250	176	110	107	106	105	98	97	114	234	253	249

Table G.1-17-7-B. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	475	486	612	565	503	512	446	380	343	331	359	419
Wet Water Years	444	424	496	417	345	317	261	224	267	295	285	305
Above Normal Water Years	478	465	615	577	483	485	439	385	336	285	285	321
Below Normal Water Years	430	440	610	599	516	577	490	411	348	311	363	476
Dry Water Years	489	507	686	632	590	599	555	463	360	334	417	493
Critical Water Years	563	641	707	685	656	667	563	490	473	458	468	534

Table G.1-17-7-C. Banks Pumping Plant, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	51	23	43	-12	34	57	-31	-93	-149	-45	-116	-132
1%	46	40	-11	9	158	93	6	-67	-154	-95	-140	-97
5%	23	49	-12	14	10	82	-4	-13	-79	-97	-115	-66
10%	14	13	-9	-3	0	79	25	-2	-49	-101	-88	-48
25%	2	8	-1	-4	-2	80	24	14	8	5	2	1
50%	6	5	-9	3	4	42	17	3	9	5	19	11
75%	0	-1	-5	6	2	-4	13	-17	3	8	4	7
99.9%	2	0	0	0	0	0	0	0	-3	0	3	-8

Table G.1-17-7-D. Banks Pumping Plant, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	6	3	-7	1	5	39	14	0	-5	-8	-8	-3
Wet Water Years	6	0	-2	-2	-3	5	1	1	1	6	6	6
Above Normal Water Years	9	10	-24	4	2	30	16	0	6	2	12	9
Below Normal Water Years	11	4	0	8	7	63	30	5	9	7	12	2
Dry Water Years	4	-1	-1	-4	6	55	36	15	17	10	16	22
Critical Water Years	6	14	-14	7	21	53	-16	-30	-50	-76	-101	-65

Table G.1-17-8-A. Banks Pumping Plant, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	741	828	901	862	1011	874	650	555	514	600	568	581
1%	726	828	817	844	993	811	622	524	504	516	522	560
5%	664	793	795	818	800	747	603	507	466	485	494	554
10%	637	740	762	771	695	695	595	500	454	433	475	534
25%	603	636	728	712	606	652	557	474	370	352	411	507
50%	548	534	662	585	525	562	515	438	347	313	353	451
75%	320	298	526	447	420	380	340	318	322	288	283	313
99.9%	250	176	110	107	106	105	98	97	114	234	253	249

Table G.1-17-8-B. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	475	486	612	565	503	512	446	380	343	331	359	419
Wet Water Years	442	424	504	419	341	305	260	221	266	293	286	306
Above Normal Water Years	473	459	610	570	468	444	415	365	330	277	282	324
Below Normal Water Years	423	441	600	578	497	512	460	393	340	304	359	478
Dry Water Years	488	508	679	627	572	544	515	439	352	332	409	485
Critical Water Years	558	635	716	672	611	612	574	513	517	533	559	591

Table G.1-17-8-C. Banks Pumping Plant, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	51	23	43	-12	34	57	-31	-93	-149	-45	-116	-132
1%	46	40	-11	9	158	93	6	-67	-154	-95	-140	-97
5%	23	49	-12	14	10	82	-4	-13	-79	-97	-115	-66
10%	14	13	-9	-3	0	79	25	-2	-49	-101	-88	-48
25%	2	8	-1	-4	-2	80	24	14	8	5	2	1
50%	6	5	-9	3	4	42	17	3	9	5	19	11
75%	0	-1	-5	6	2	-4	13	-17	3	8	4	7
99.9%	2	0	0	0	0	0	0	0	-3	0	3	-8

Table G.1-17-8-D. Banks Pumping Plant, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	6	3	-7	1	5	39	14	0	-5	-8	-8	-3
Wet Water Years	4	0	6	1	-7	-8	0	-3	0	4	7	6
Above Normal Water Years	4	4	-29	-4	-13	-11	-8	-20	1	-6	9	13
Below Normal Water Years	5	5	-10	-13	-12	-2	0	-12	1	0	9	3
Dry Water Years	3	0	-8	-9	-12	0	-4	-9	8	8	8	15
Critical Water Years	1	8	-5	-6	-24	-3	-5	-7	-6	-1	-10	-8

Table G.1-18-1-A. Jones Pumping Plant, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	687	799	890	901	981	819	683	638	659	644	681	709
1%	676	781	844	850	871	765	646	593	656	608	660	658
5%	644	744	788	807	783	689	634	534	550	583	612	620
10%	626	726	765	773	720	658	600	520	511	533	569	586
25%	606	646	737	719	636	599	557	474	388	382	428	521
50%	561	571	680	602	543	554	518	444	370	354	377	458
75%	380	388	558	469	434	382	321	334	346	333	338	356
99.9%	260	184	114	110	111	109	102	99	111	257	296	309

Table G.1-18-1-B. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	502	533	630	579	516	493	445	387	370	379	403	450
Wet Water Years	478	486	521	437	360	317	260	222	285	343	337	350
Above Normal Water Years	503	515	651	592	501	469	427	387	355	340	331	355
Below Normal Water Years	462	501	620	605	528	538	473	414	365	351	389	494
Dry Water Years	513	549	693	646	606	575	542	463	373	357	419	486
Critical Water Years	571	643	721	685	652	647	609	534	530	538	571	601

Table G.1-18-2-A. Jones Pumping Plant, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	712	834	897	938	983	793	651	568	549	600	558	585
1%	692	800	848	904	905	789	626	538	548	574	529	581
5%	655	777	826	792	816	728	593	516	506	497	508	555
10%	632	758	797	766	749	664	580	504	478	462	486	540
25%	605	676	749	713	654	586	530	453	393	391	438	519
50%	575	617	697	598	515	487	484	417	355	354	389	500
75%	547	572	591	432	390	364	329	312	329	332	368	479
99.9%	260	186	114	110	111	108	102	99	109	257	295	307

Table G.1-18-2-B. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	567	613	646	566	509	470	428	370	357	372	407	493
Wet Water Years	542	558	531	420	340	298	259	219	276	347	362	461
Above Normal Water Years	587	641	673	560	459	422	413	367	337	334	370	504
Below Normal Water Years	555	604	626	572	522	485	448	392	358	354	411	486
Dry Water Years	572	625	709	655	613	549	514	438	372	366	428	500
Critical Water Years	598	677	750	686	680	676	584	507	489	478	485	540

Table G.1-18-2-C. Jones Pumping Plant, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	25	36	8	37	3	-26	-33	-70	-110	-45	-123	-124
1%	16	19	3	54	35	24	-20	-55	-108	-34	-131	-77
5%	12	33	39	-15	32	39	-41	-18	-44	-87	-104	-66
10%	6	32	32	-6	29	6	-20	-16	-33	-71	-82	-46
25%	-2	31	12	-6	18	-13	-28	-21	6	9	10	-2
50%	14	47	16	-4	-28	-67	-33	-27	-14	0	11	42
75%	168	184	33	-37	-44	-18	8	-22	-17	-1	30	123
99.9%	0	2	0	-1	0	-1	-1	0	-2	1	0	-2

Table G.1-18-2-D. Jones Pumping Plant, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 1 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	65	80	15	-13	-7	-23	-17	-18	-13	-7	5	44
Wet Water Years	65	72	10	-17	-20	-19	-1	-2	-9	4	24	110
Above Normal Water Years	85	126	22	-33	-42	-47	-14	-20	-18	-6	39	150
Below Normal Water Years	94	103	6	-33	-7	-53	-25	-22	-7	2	22	-8
Dry Water Years	59	76	16	8	7	-25	-27	-25	-1	9	8	14
Critical Water Years	27	34	29	1	28	29	-24	-27	-41	-60	-86	-61

Table G.1-18-3-A. Jones Pumping Plant, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 With TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	686	806	874	894	983	798	669	616	647	659	647	645
1%	677	788	821	865	888	749	647	591	634	626	639	637
5%	645	766	774	815	765	689	636	533	561	583	600	618
10%	631	734	765	776	720	665	599	517	486	534	570	583
25%	609	650	733	714	636	608	550	465	399	388	433	518
50%	559	562	669	608	552	557	512	428	372	354	390	472
75%	379	389	557	474	435	379	331	318	347	334	346	365
99.9%	261	185	114	110	112	109	102	99	109	256	294	307

Table G.1-18-3-B. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 With TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	504	534	626	582	517	494	443	380	372	381	408	454
Wet Water Years	480	482	518	434	357	314	260	220	286	347	344	355
Above Normal Water Years	507	521	630	596	502	467	423	372	355	336	339	368
Below Normal Water Years	465	502	613	603	531	539	474	405	368	355	398	495
Dry Water Years	515	549	695	654	611	578	540	456	382	366	430	498
Critical Water Years	571	652	722	698	654	657	602	526	527	533	560	593

Table G.1-18-3-C. Jones Pumping Plant, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	7	-16	-7	2	-21	-14	-23	-13	14	-34	-64
1%	1	7	-23	15	18	-16	1	-3	-23	18	-21	-22
5%	1	22	-14	8	-18	1	2	-1	11	0	-12	-2
10%	5	7	0	3	0	7	0	-3	-25	1	1	-3
25%	3	4	-4	-5	0	10	-7	-9	11	6	5	-3
50%	-2	-8	-11	6	10	3	-5	-17	2	0	13	14
75%	0	1	-1	5	1	-3	11	-16	1	1	8	9
99.9%	1	1	0	0	1	0	0	0	-2	-1	-1	-3

Table G.1-18-3-D. Jones Pumping Plant, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	3	1	-5	3	1	2	-2	-7	2	3	5	5
Wet Water Years	3	-4	-3	-3	-4	-3	0	-2	1	4	6	4
Above Normal Water Years	5	5	-21	4	1	-2	-4	-15	0	-5	8	13
Below Normal Water Years	3	1	-7	-2	2	2	1	-8	3	4	9	1
Dry Water Years	3	0	2	8	5	3	-2	-7	9	9	11	12
Critical Water Years	-1	8	1	13	3	10	-6	-8	-4	-5	-11	-8

Table G.1-18-4-A. Jones Pumping Plant, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Without VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	686	802	880	908	982	817	643	561	535	607	570	583
1%	679	788	856	865	887	795	623	531	523	556	527	567
5%	644	764	774	824	790	732	602	522	503	497	512	553
10%	633	738	759	777	725	665	583	510	470	450	491	536
25%	611	653	729	719	634	610	550	466	400	389	423	509
50%	565	562	670	609	552	557	513	427	374	354	383	463
75%	379	389	557	474	434	378	331	318	347	334	347	365
99.9%	261	185	114	110	112	109	102	99	109	256	294	307

Table G.1-18-4-B. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Without VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	505	536	623	582	518	498	440	377	365	371	394	444
Wet Water Years	480	482	517	434	357	315	261	220	286	347	343	354
Above Normal Water Years	507	522	629	597	503	468	423	372	355	335	340	367
Below Normal Water Years	467	506	617	609	532	535	473	407	369	356	396	489
Dry Water Years	516	548	690	649	610	578	540	456	381	366	429	498
Critical Water Years	574	657	713	695	657	682	584	506	483	468	474	534

Table G.1-18-4-C. Jones Pumping Plant, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	-1	3	-10	7	2	-2	-40	-77	-125	-38	-111	-126
1%	2	7	12	15	17	30	-23	-62	-133	-52	-133	-91
5%	0	20	-14	17	6	43	-32	-12	-47	-86	-100	-67
10%	7	11	-6	4	5	7	-16	-10	-41	-83	-78	-49
25%	5	7	-8	0	-2	11	-7	-8	13	7	-5	-12
50%	3	-8	-11	6	10	3	-4	-17	4	0	6	4
75%	0	1	-1	6	0	-3	11	-16	0	1	8	9
99.9%	1	1	0	0	1	0	-1	0	-2	-1	-1	-3

Table G.1-18-4-D. Jones Pumping Plant, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	4	3	-7	3	2	5	-5	-10	-4	-8	-9	-6
Wet Water Years	2	-4	-4	-3	-3	-2	1	-2	1	4	6	4
Above Normal Water Years	5	6	-23	5	2	-1	-4	-15	0	-5	9	13
Below Normal Water Years	6	5	-3	4	3	-3	0	-7	4	5	7	-5
Dry Water Years	4	-1	-2	3	3	3	-2	-7	8	8	10	12
Critical Water Years	3	14	-8	10	5	35	-25	-28	-47	-69	-97	-67

Table G.1-18-5-A. Jones Pumping Plant, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Delta VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	712	819	882	874	992	885	662	569	536	614	572	586
1%	698	802	882	863	978	815	644	540	525	559	530	570
5%	654	762	781	819	786	774	637	524	506	497	508	564
10%	637	740	765	766	715	736	619	522	475	452	491	540
25%	609	659	730	714	634	690	586	492	402	389	428	519
50%	564	571	670	611	555	592	531	448	378	356	392	472
75%	379	390	557	478	434	377	333	322	350	336	347	364
99.9%	261	185	114	110	112	109	102	99	109	256	295	306

Table G.1-18-5-B. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Delta VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	507	537	625	580	520	533	458	388	368	372	396	447
Wet Water Years	482	486	519	435	357	323	263	222	286	348	343	354
Above Normal Water Years	509	525	630	598	503	502	443	389	360	342	341	365
Below Normal Water Years	471	505	621	611	534	603	500	420	373	357	400	495
Dry Water Years	515	549	692	642	611	633	576	478	387	365	435	506
Critical Water Years	575	658	711	688	669	698	590	508	487	468	475	538

Table G.1-18-5-C. Jones Pumping Plant, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	25	20	-8	-27	11	67	-21	-69	-124	-30	-109	-123
1%	21	21	37	13	108	50	-2	-53	-131	-49	-130	-88
5%	10	18	-6	12	3	85	3	-9	-44	-86	-104	-56
10%	11	14	0	-6	-5	78	19	2	-36	-81	-78	-46
25%	2	13	-7	-5	-1	92	28	19	14	7	0	-2
50%	3	0	-10	8	12	38	13	4	8	2	15	14
75%	0	2	-2	9	0	-5	12	-12	4	3	8	8
99.9%	1	1	0	0	1	0	0	0	-2	-1	-1	-3

Table G.1-18-5-D. Jones Pumping Plant, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	5	4	-5	1	4	40	13	1	-1	-7	-7	-3
Wet Water Years	4	0	-2	-2	-3	6	3	0	2	5	5	4
Above Normal Water Years	7	9	-21	5	2	33	16	2	5	2	11	10
Below Normal Water Years	9	4	1	7	6	66	26	6	8	6	12	1
Dry Water Years	3	0	-1	-4	5	58	35	15	14	8	15	20
Critical Water Years	4	14	-11	3	17	52	-19	-26	-44	-70	-96	-63

Table G.1-18-6-A. Jones Pumping Plant, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	731	819	875	866	992	891	662	567	523	601	573	585
1%	718	809	822	864	980	816	643	539	514	521	531	563
5%	662	784	787	809	783	774	637	528	485	491	503	561
10%	637	737	765	774	713	737	619	521	471	440	482	540
25%	608	659	732	711	630	690	586	494	395	389	428	520
50%	565	573	667	608	552	594	530	447	375	357	391	472
75%	378	390	557	476	434	377	332	322	350	339	346	364
99.9%	261	185	114	110	112	109	103	99	109	256	294	306

Table G.1-18-6-B. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 2 Without TUCP Systemwide VA

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	506	536	624	579	520	533	458	388	365	372	395	446
Wet Water Years	480	486	520	437	357	322	263	222	286	349	343	354
Above Normal Water Years	507	525	631	597	503	502	443	389	358	343	337	362
Below Normal Water Years	474	508	618	608	534	604	499	419	370	361	399	495
Dry Water Years	515	546	691	637	604	634	576	480	384	367	437	507
Critical Water Years	575	651	707	691	675	701	590	507	477	457	469	534

Table G.1-18-6-C. Jones Pumping Plant, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), 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%	44	21	-15	-34	11	72	-21	-71	-136	-44	-108	-124
1%	41	28	-23	14	110	51	-3	-55	-142	-87	-129	-95
5%	18	40	0	2	-1	85	3	-6	-64	-92	-109	-59
10%	11	11	-1	1	-7	79	19	1	-40	-93	-87	-45
25%	1	13	-6	-8	-6	92	29	20	7	7	0	0
50%	4	3	-13	5	9	40	13	3	5	3	13	14
75%	-1	2	-1	7	0	-4	12	-12	4	6	8	8
99.9%	1	1	0	0	1	0	0	0	-2	-1	-1	-3

Table G.1-18-6-D. Jones Pumping Plant, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), 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	5	3	-6	0	4	41	13	1	-4	-7	-8	-4
Wet Water Years	2	0	-1	0	-3	6	2	0	2	6	5	4
Above Normal Water Years	4	9	-20	5	2	33	16	2	3	3	6	7
Below Normal Water Years	13	7	-1	4	6	66	25	6	5	9	10	1
Dry Water Years	2	-3	-1	-9	-2	59	35	17	11	10	18	21
Critical Water Years	4	8	-14	6	23	54	-18	-27	-54	-80	-102	-67

Table G.1-18-7-A. Jones Pumping Plant, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	731	819	875	866	992	891	662	567	523	601	573	585
1%	718	809	822	864	980	816	643	539	514	521	531	563
5%	662	784	787	809	783	774	637	528	485	491	503	561
10%	637	737	765	774	713	737	619	521	471	440	482	540
25%	608	659	732	711	630	690	586	494	395	389	428	520
50%	565	573	667	608	552	594	530	447	375	357	391	472
75%	378	390	557	476	434	377	332	322	350	339	346	364
99.9%	261	185	114	110	112	109	103	99	109	256	294	306

Table G.1-18-7-B. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	506	536	624	579	520	533	458	388	365	372	395	446
Wet Water Years	482	486	519	435	357	323	263	222	286	348	343	354
Above Normal Water Years	509	525	630	598	503	502	443	389	360	342	341	365
Below Normal Water Years	471	505	621	611	534	603	500	420	373	357	400	495
Dry Water Years	515	549	692	642	611	633	576	478	387	365	435	506
Critical Water Years	575	658	711	688	669	698	590	508	487	468	475	538

Table G.1-18-7-C. Jones Pumping Plant, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	44	21	-15	-34	11	72	-21	-71	-136	-44	-108	-124
1%	41	28	-23	14	110	51	-3	-55	-142	-87	-129	-95
5%	18	40	0	2	-1	85	3	-6	-64	-92	-109	-59
10%	11	11	-1	1	-7	79	19	1	-40	-93	-87	-45
25%	1	13	-6	-8	-6	92	29	20	7	7	0	0
50%	4	3	-13	5	9	40	13	3	5	3	13	14
75%	-1	2	-1	7	0	-4	12	-12	4	6	8	8
99.9%	1	1	0	0	1	0	0	0	-2	-1	-1	-3

Table G.1-18-7-D. Jones Pumping Plant, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 3 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	5	3	-6	0	4	41	13	1	-4	-7	-8	-4
Wet Water Years	4	0	-2	-2	-3	6	3	0	2	5	5	4
Above Normal Water Years	7	9	-21	5	2	33	16	2	5	2	11	10
Below Normal Water Years	9	4	1	7	6	66	26	6	8	6	12	1
Dry Water Years	3	0	-1	-4	5	58	35	15	14	8	15	20
Critical Water Years	4	14	-11	3	17	52	-19	-26	-44	-70	-96	-63

Table G.1-18-8-A. Jones Pumping Plant, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	731	819	875	866	992	891	662	567	523	601	573	585
1%	718	809	822	864	980	816	643	539	514	521	531	563
5%	662	784	787	809	783	774	637	528	485	491	503	561
10%	637	737	765	774	713	737	619	521	471	440	482	540
25%	608	659	732	711	630	690	586	494	395	389	428	520
50%	565	573	667	608	552	594	530	447	375	357	391	472
75%	378	390	557	476	434	377	332	322	350	339	346	364
99.9%	261	185	114	110	112	109	103	99	109	256	294	306

Table G.1-18-8-B. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	506	536	624	579	520	533	458	388	365	372	395	446
Wet Water Years	480	486	525	436	353	310	259	220	286	347	344	355
Above Normal Water Years	506	519	625	590	490	459	422	372	355	336	339	367
Below Normal Water Years	466	505	610	593	518	536	474	404	366	352	398	497
Dry Water Years	515	549	685	638	597	575	538	456	379	364	427	500
Critical Water Years	572	652	715	681	638	647	603	528	525	536	561	593

Table G.1-18-8-C. Jones Pumping Plant, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4 minus No Action Alternative

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	44	21	-15	-34	11	72	-21	-71	-136	-44	-108	-124
1%	41	28	-23	14	110	51	-3	-55	-142	-87	-129	-95
5%	18	40	0	2	-1	85	3	-6	-64	-92	-109	-59
10%	11	11	-1	1	-7	79	19	1	-40	-93	-87	-45
25%	1	13	-6	-8	-6	92	29	20	7	7	0	0
50%	4	3	-13	5	9	40	13	3	5	3	13	14
75%	-1	2	-1	7	0	-4	12	-12	4	6	8	8
99.9%	1	1	0	0	1	0	0	0	-2	-1	-1	-3

Table G.1-18-8-D. Jones Pumping Plant, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Alternative 4 minus No Action Alternative

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	5	3	-6	0	4	41	13	1	-4	-7	-8	-4
Wet Water Years	3	0	4	0	-7	-7	-1	-2	1	4	6	4
Above Normal Water Years	3	4	-26	-3	-11	-9	-5	-15	0	-5	8	12
Below Normal Water Years	4	5	-9	-12	-10	-2	0	-9	0	1	9	3
Dry Water Years	2	0	-8	-8	-10	0	-3	-7	6	6	7	14
Critical Water Years	1	9	-6	-4	-14	0	-5	-6	-5	-1	-10	-8

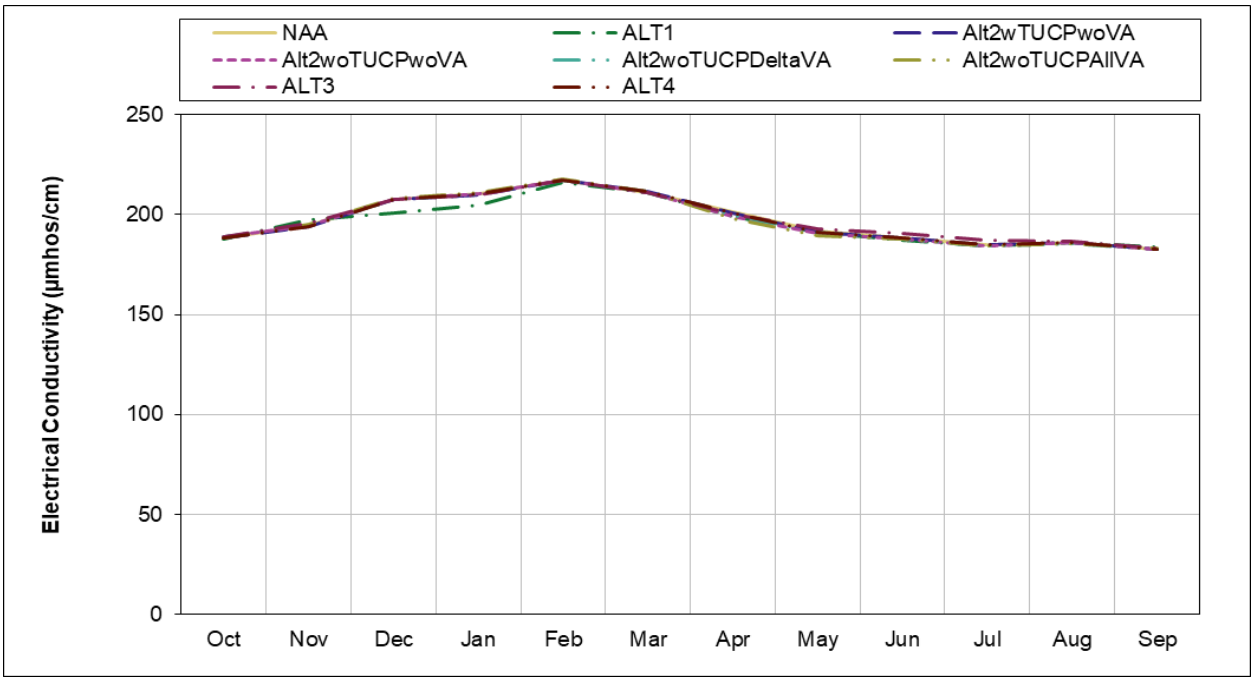

Figure G.1-1-1. S. Fork Mokelumne River at Terminous, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)

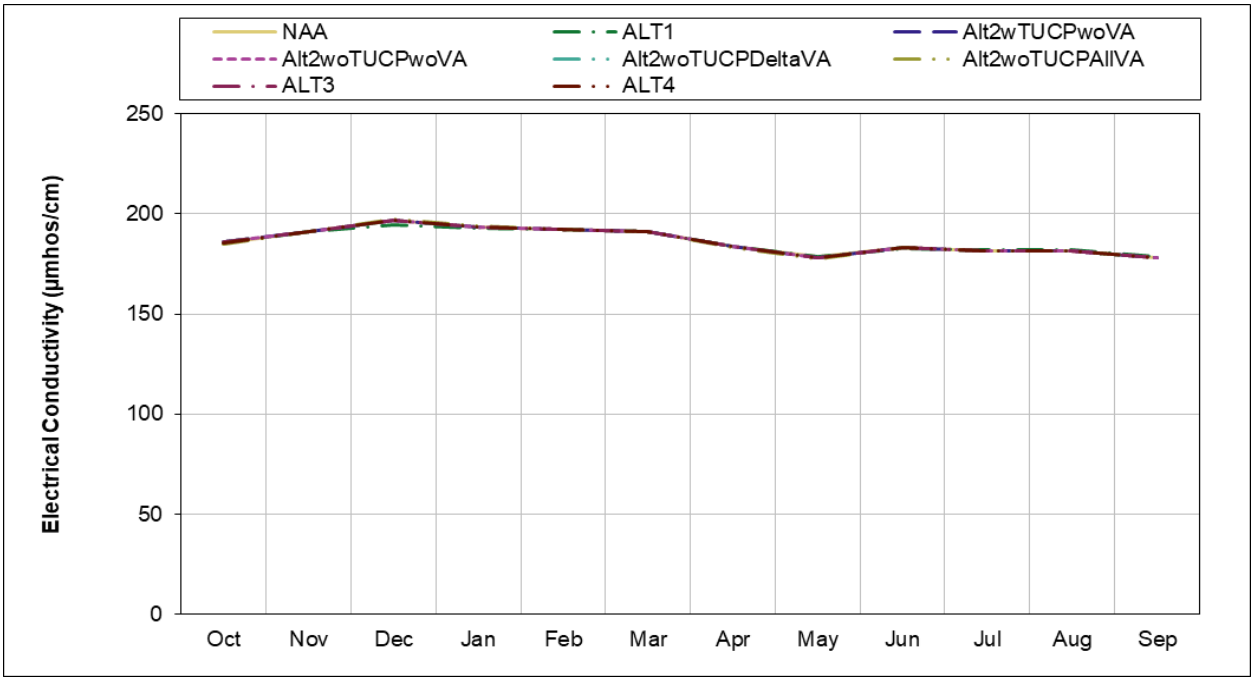

Figure G.1-1-2. S. Fork Mokelumne River at Terminous, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

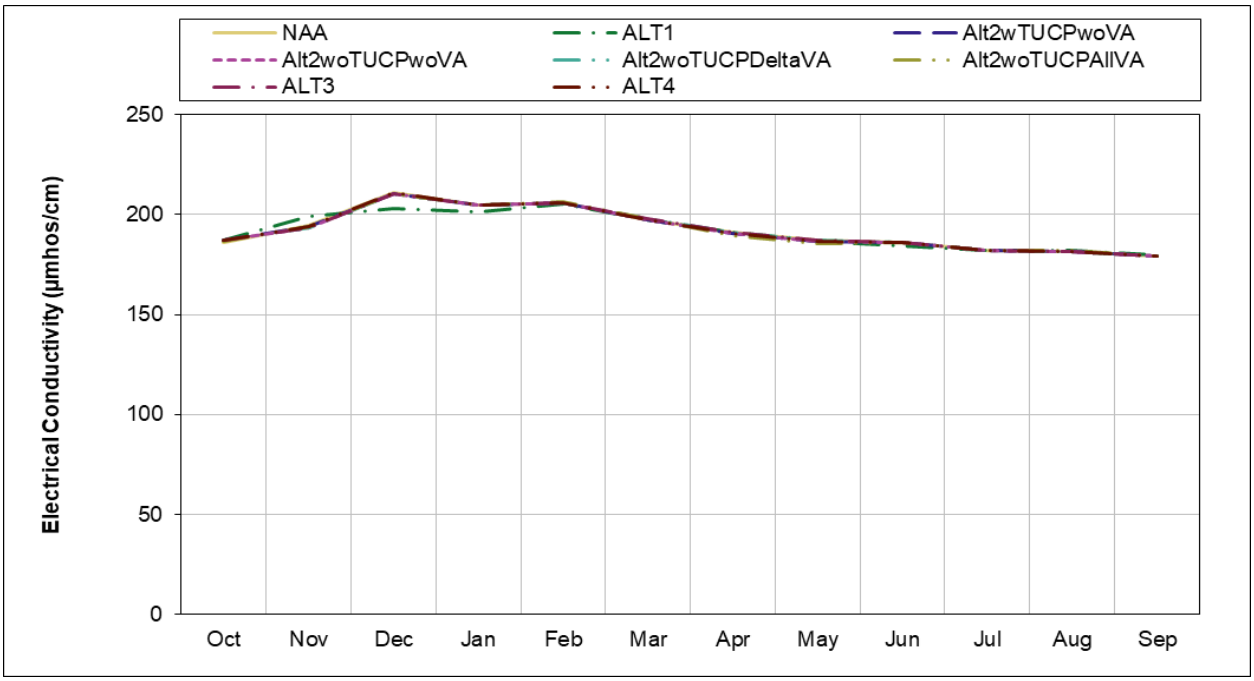

Figure G.1-1-3. S. Fork Mokelumne River at Terminous, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

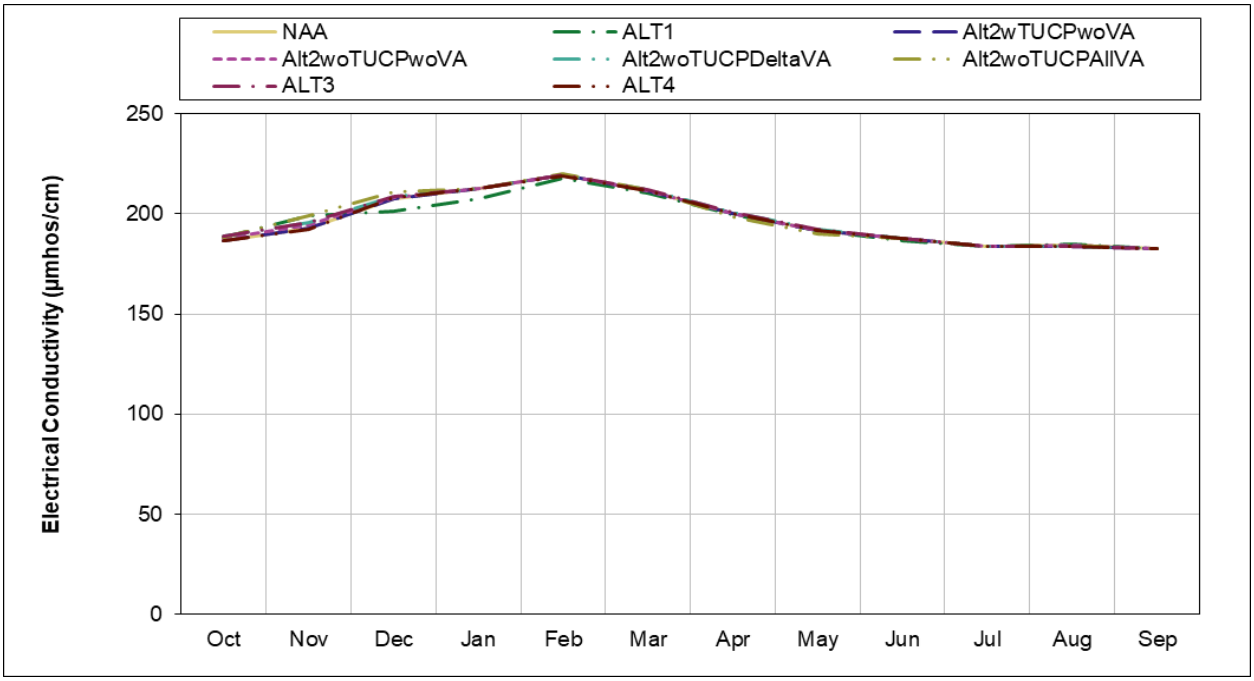

Figure G.1-1-4. S. Fork Mokelumne River at Terminous, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

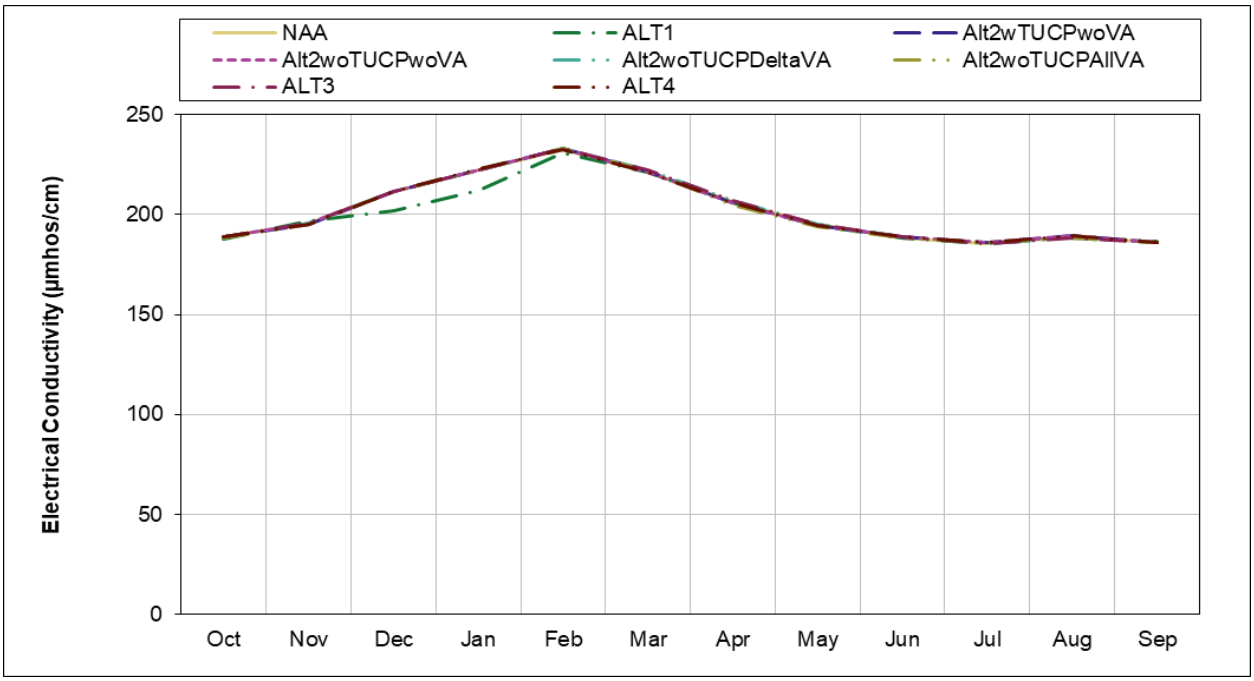

Figure G.1-1-5. S. Fork Mokelumne River at Terminous, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

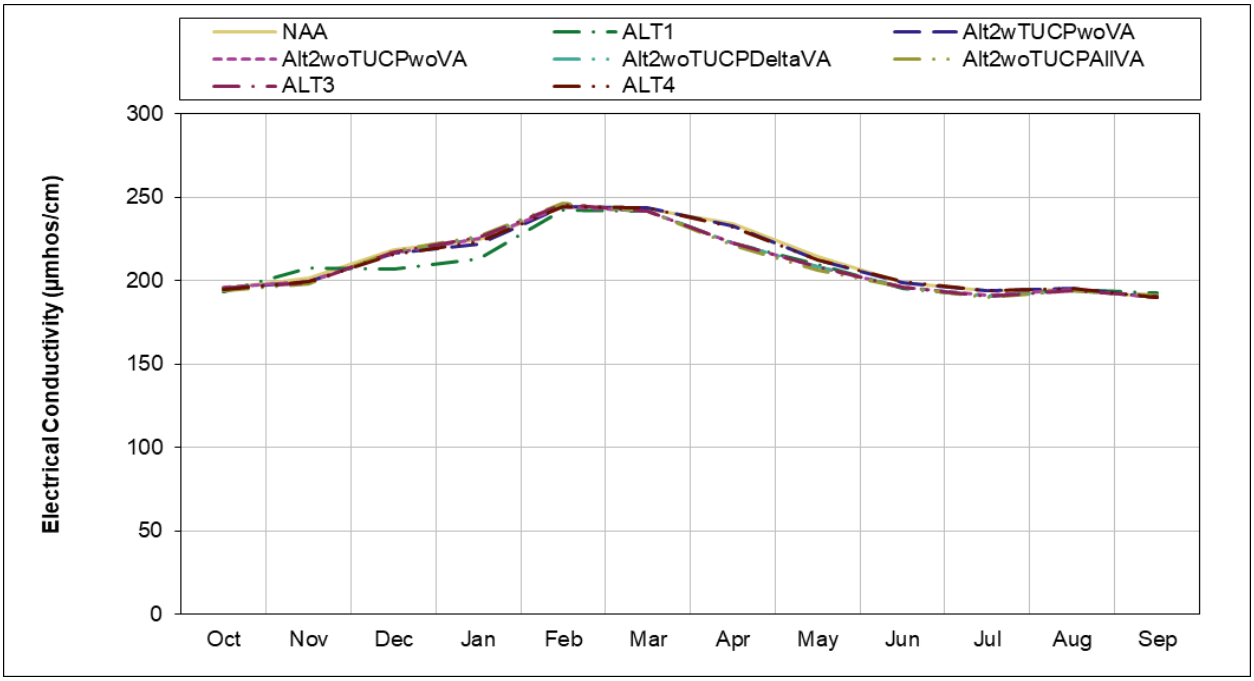

Figure G.1-1-6. S. Fork Mokelumne River at Terminous, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

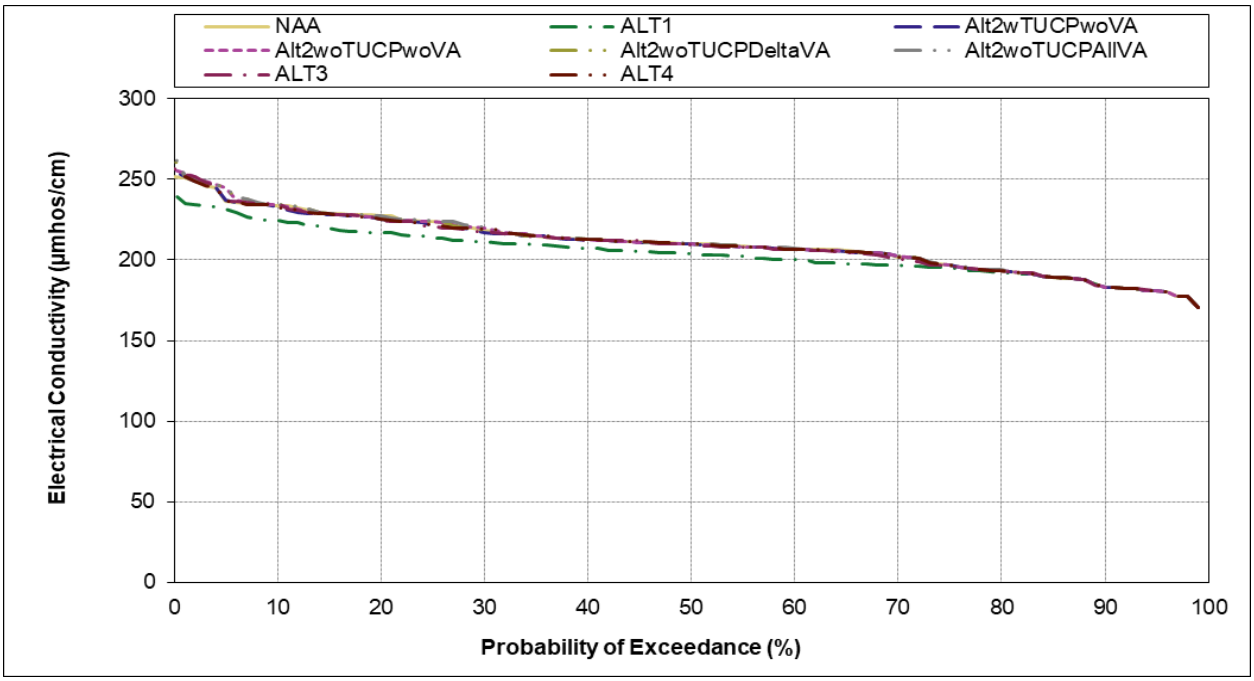

Figure G.1-1-7. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), January

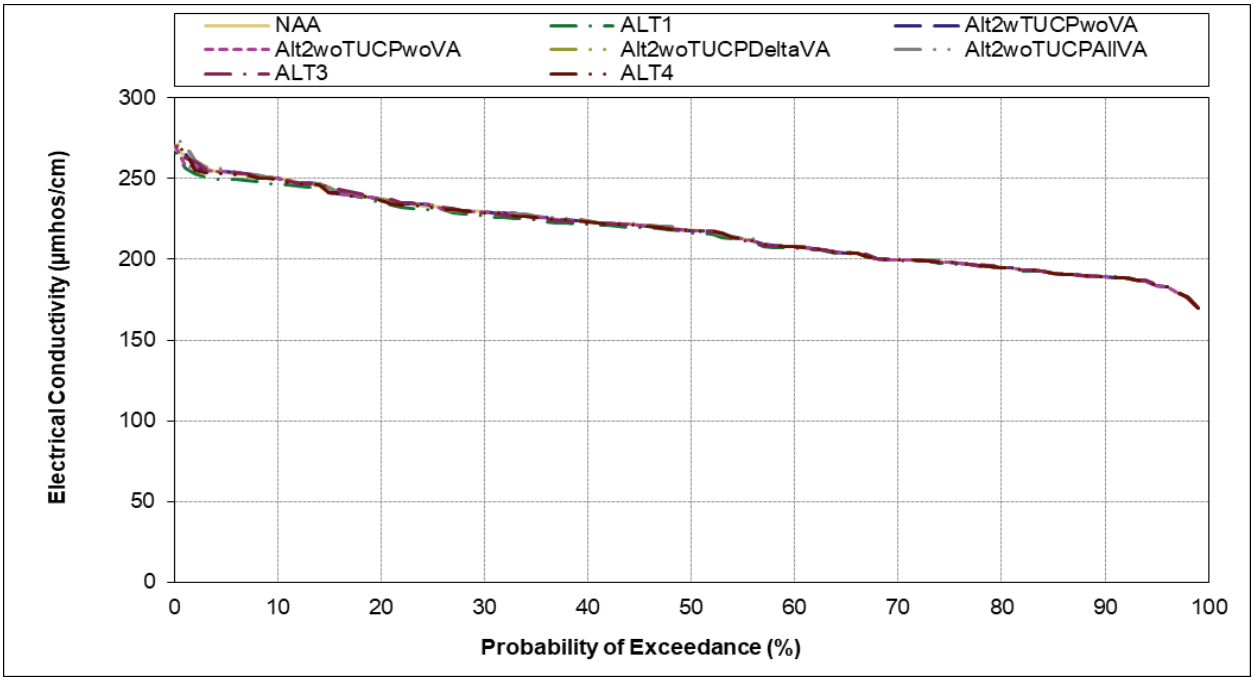

Figure G.1-1-8. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), February

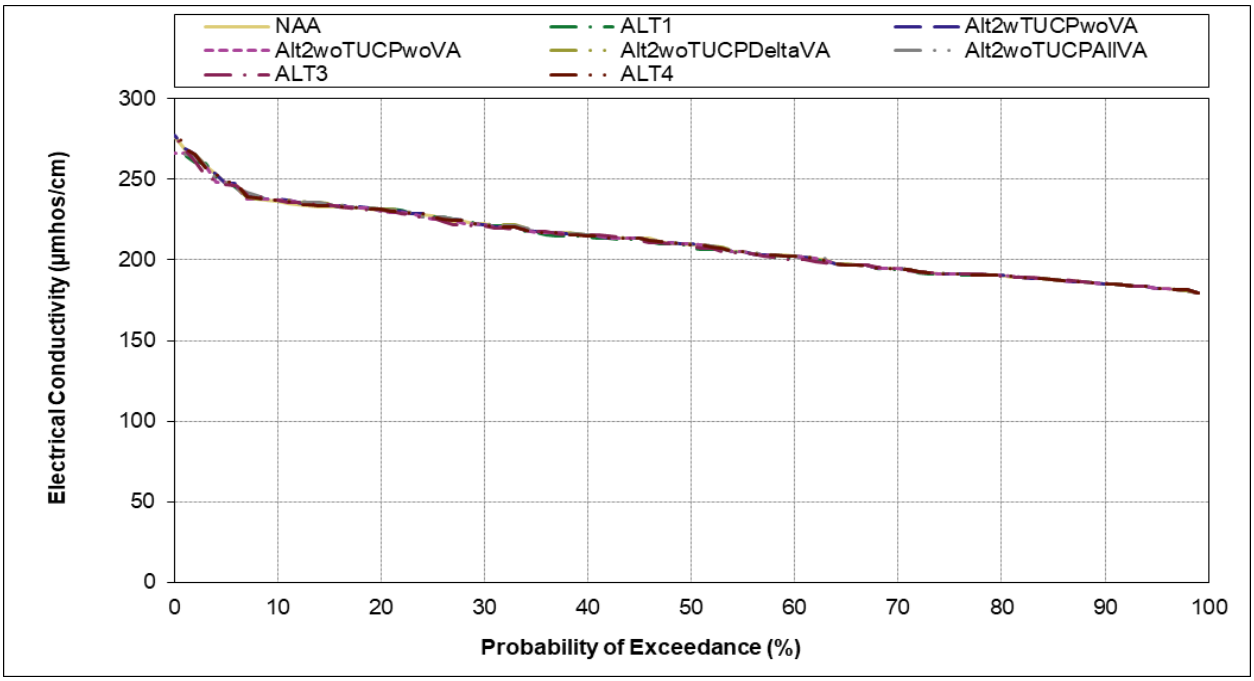

Figure G.1-1-9. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), March

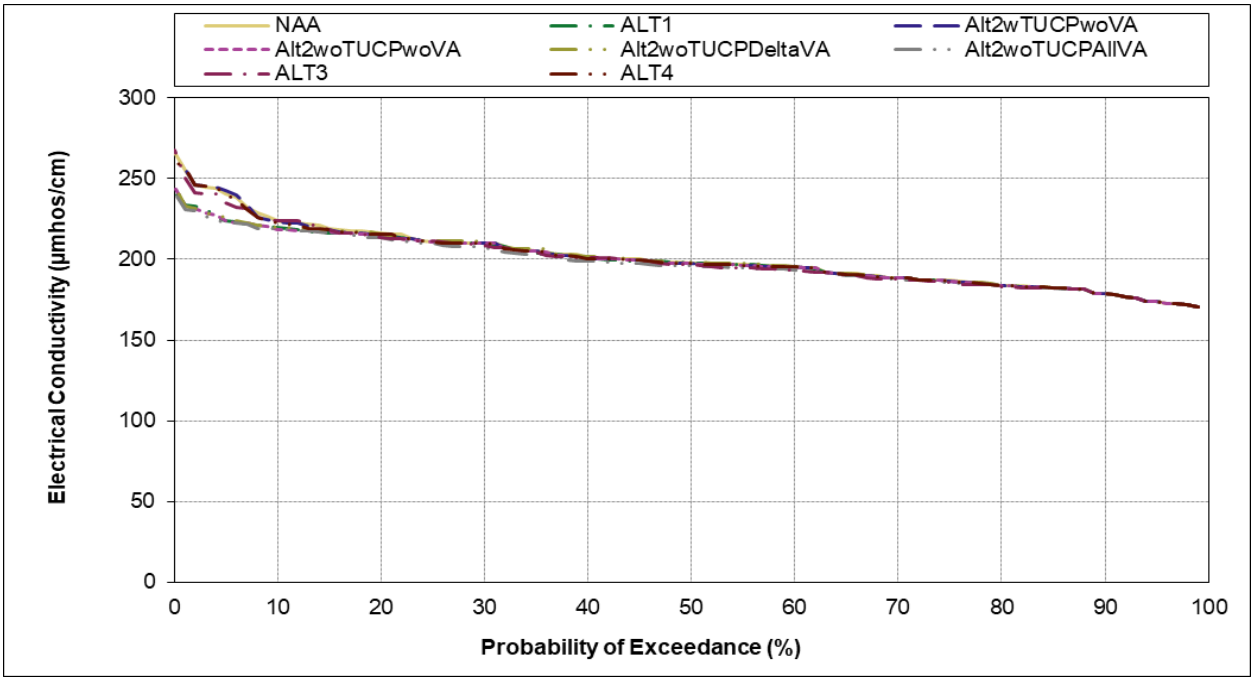

Figure G.1-1-10. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), April

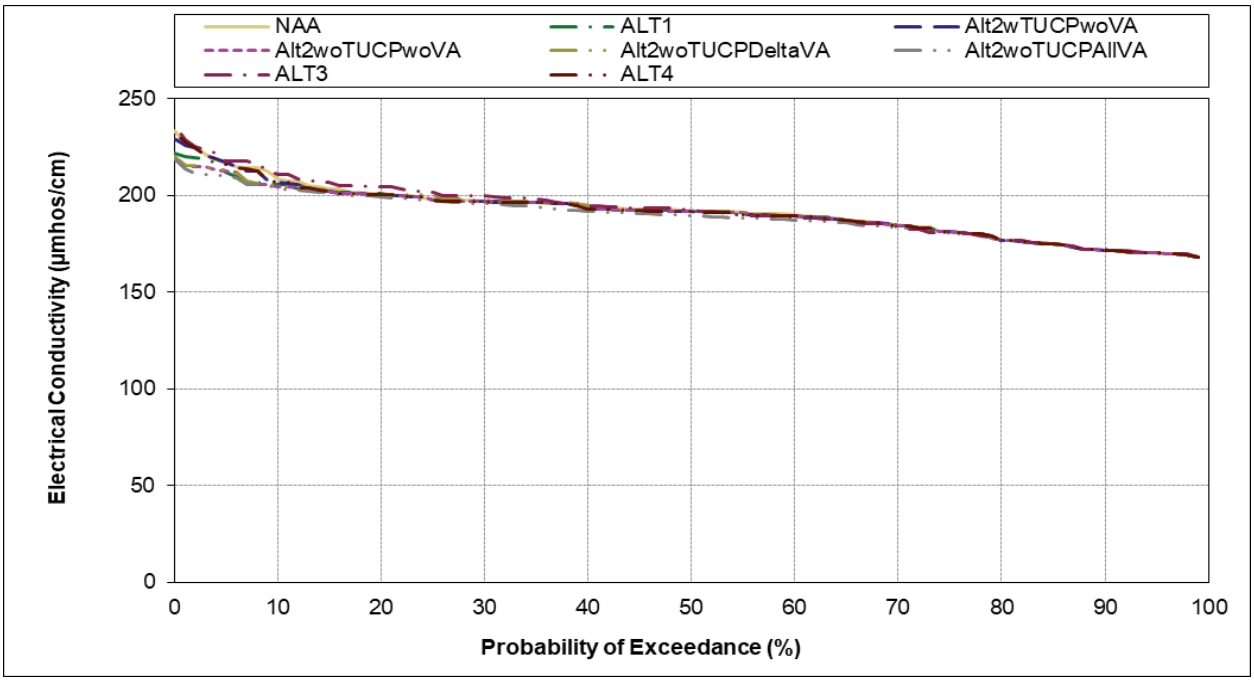

Figure G.1-1-11. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), May

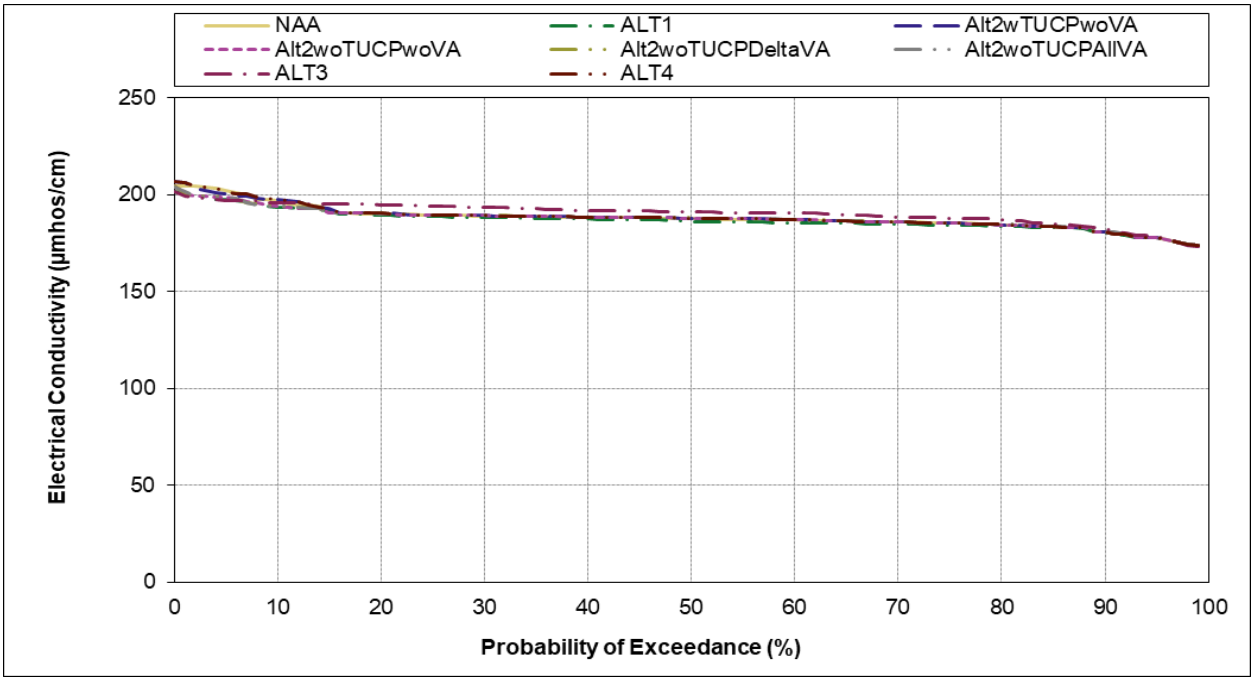

Figure G.1-1-12. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), June

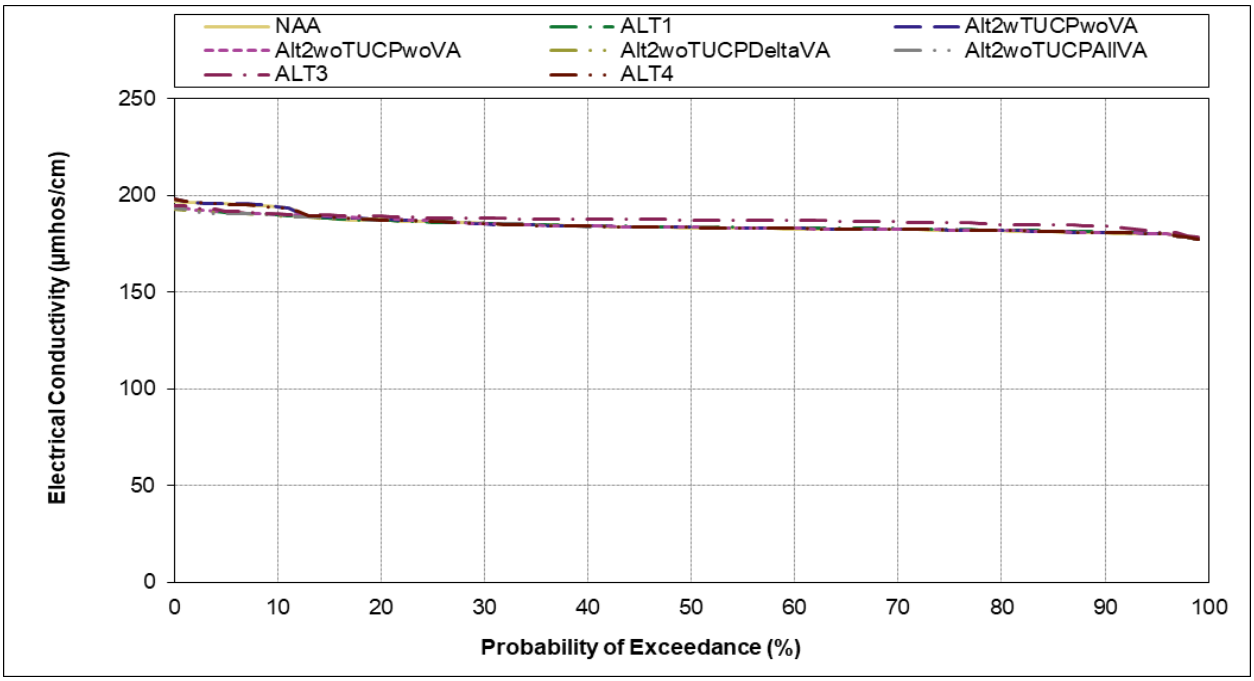

Figure G.1-1-13. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), July

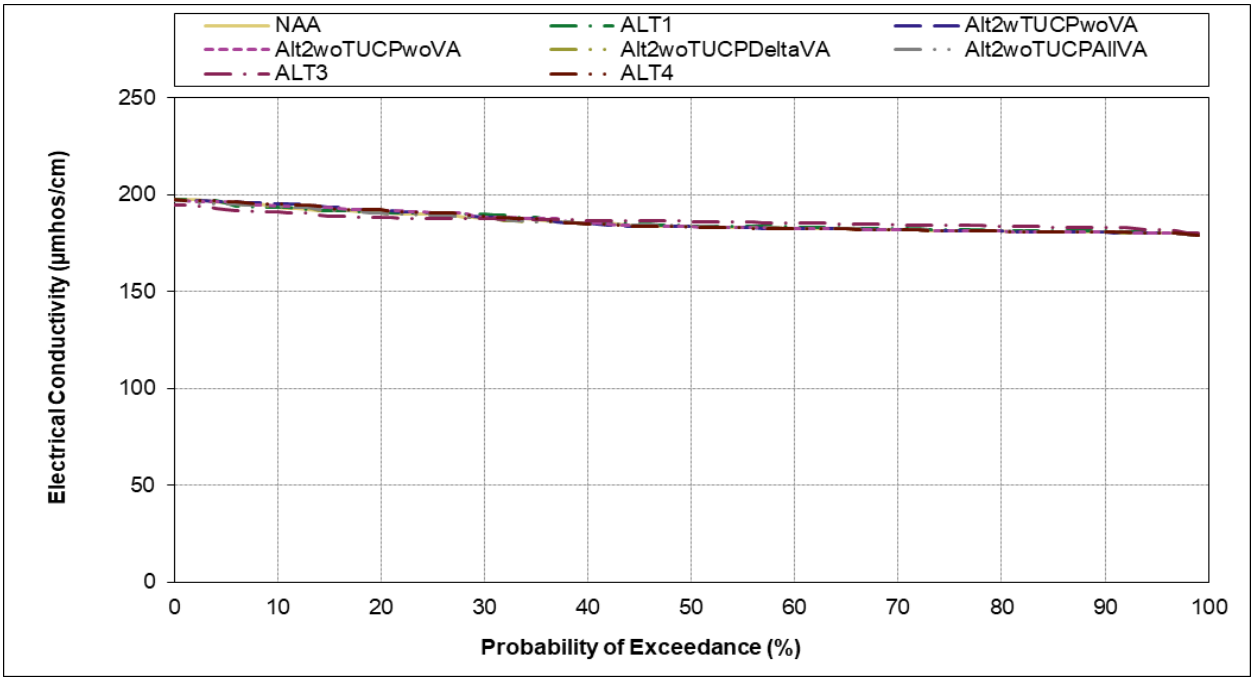

Figure G.1-1-14. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), August

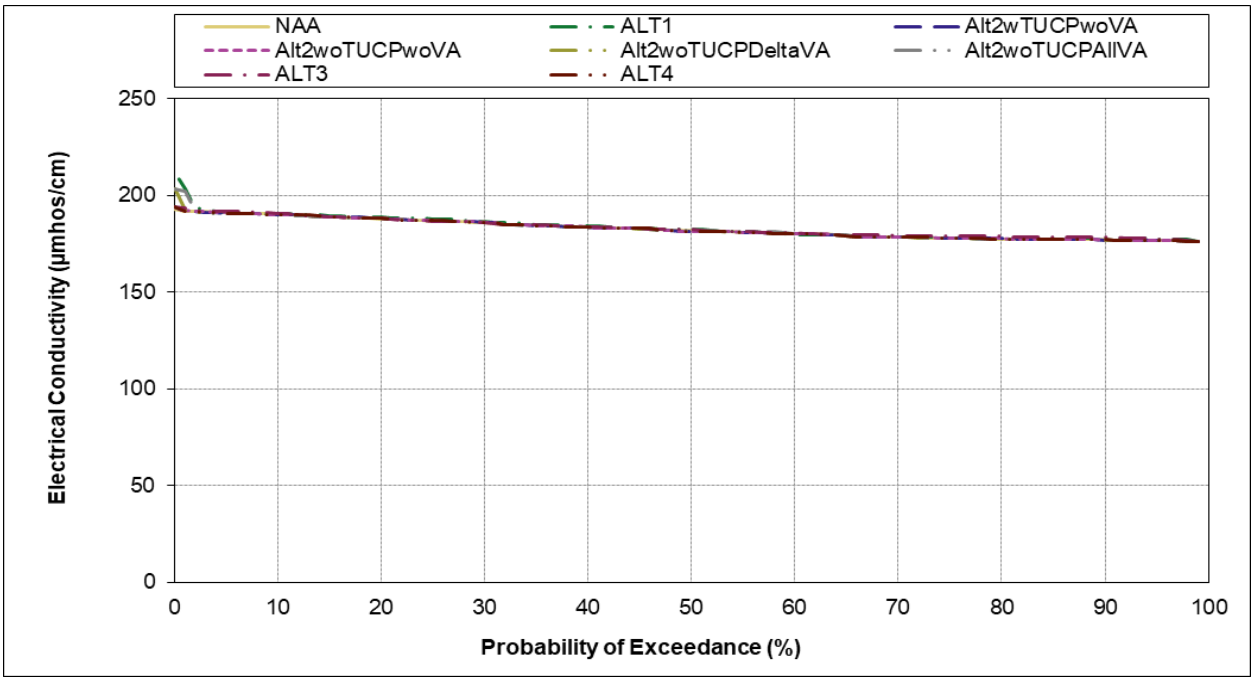

Figure G.1-1-15. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), September

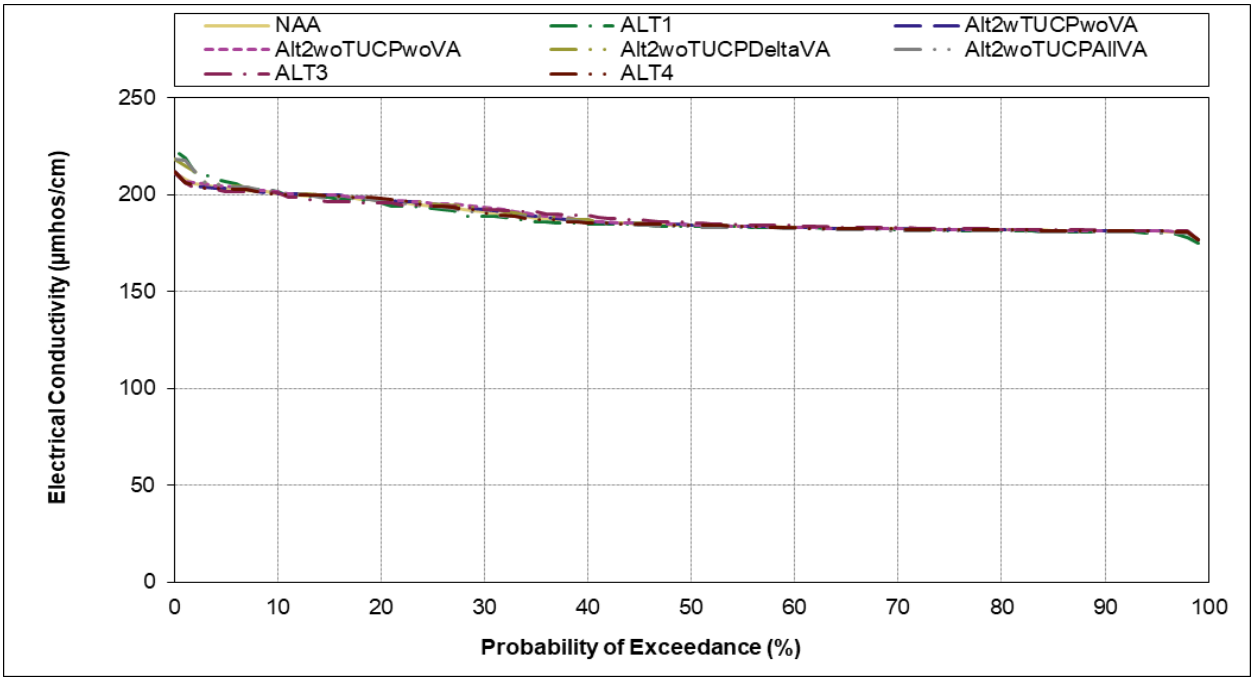

Figure G.1-1-16. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), October

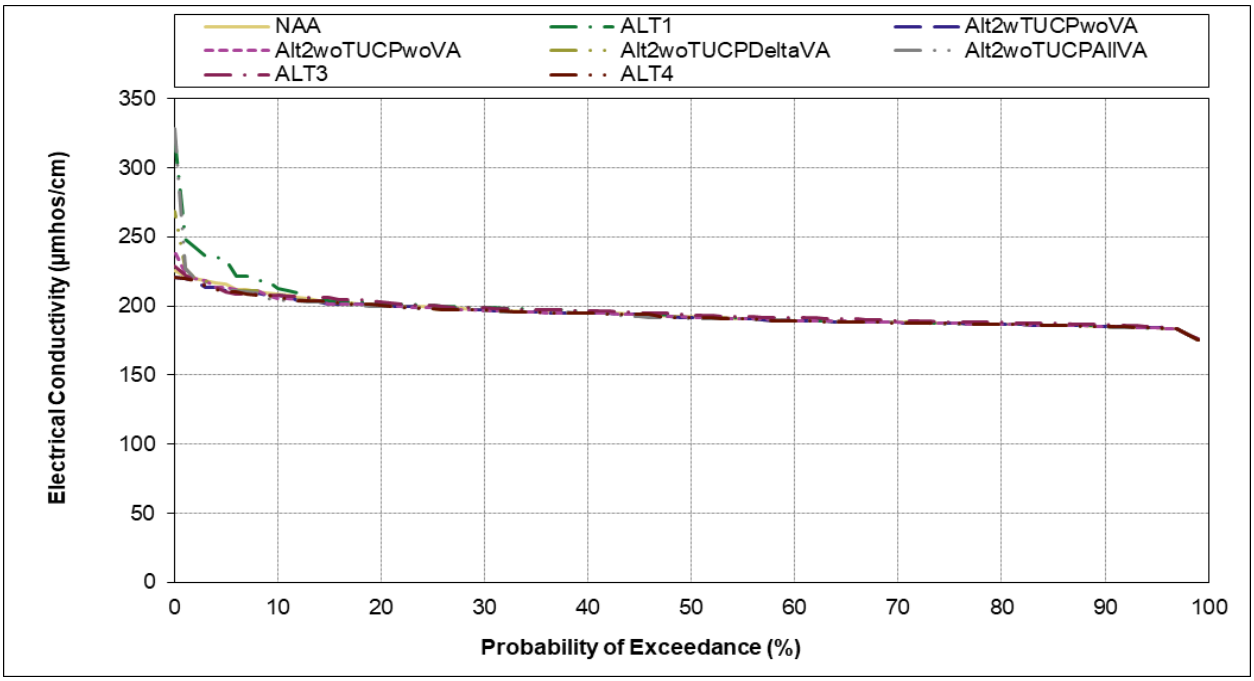

Figure G.1-1-17. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), November

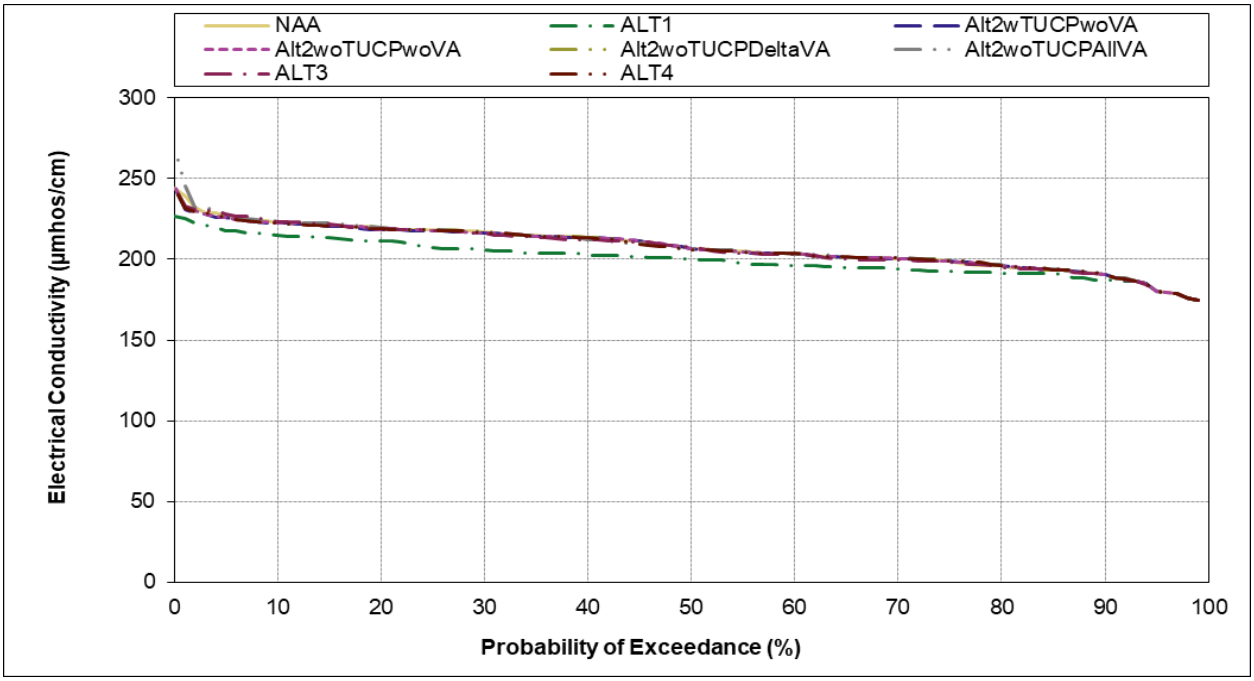

Figure G.1-1-18. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), December

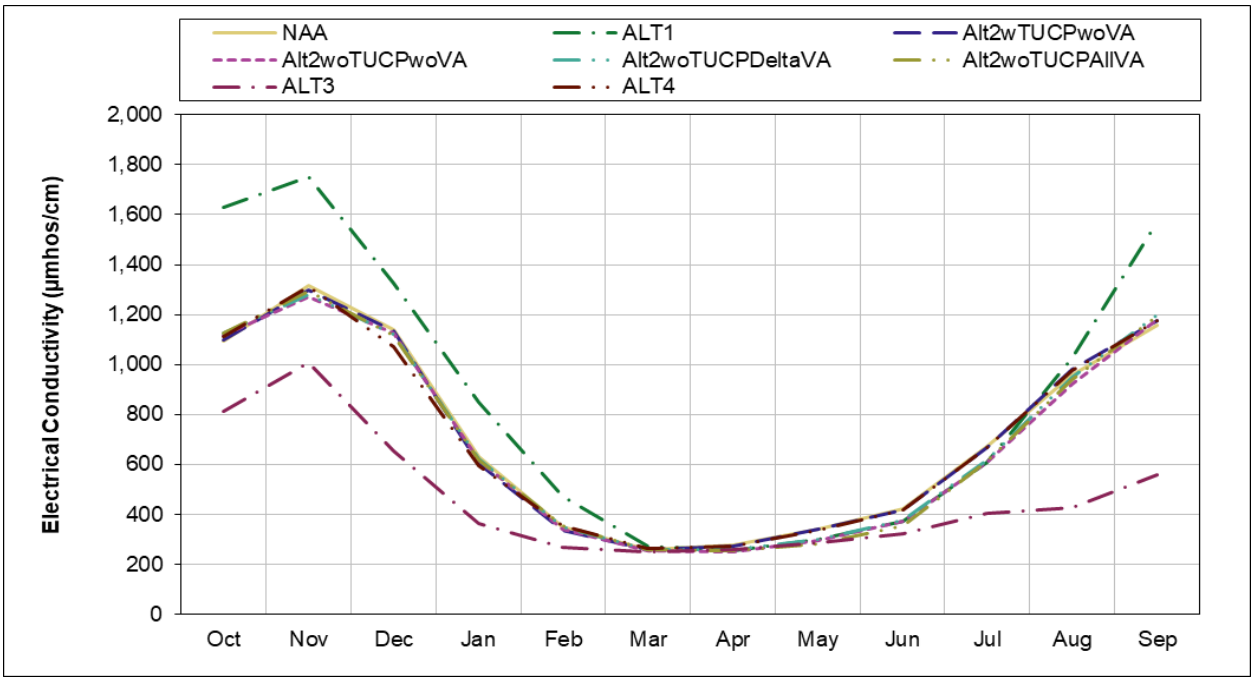

Figure G.1-2-1. San Joaquin River at Jersey Point, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)

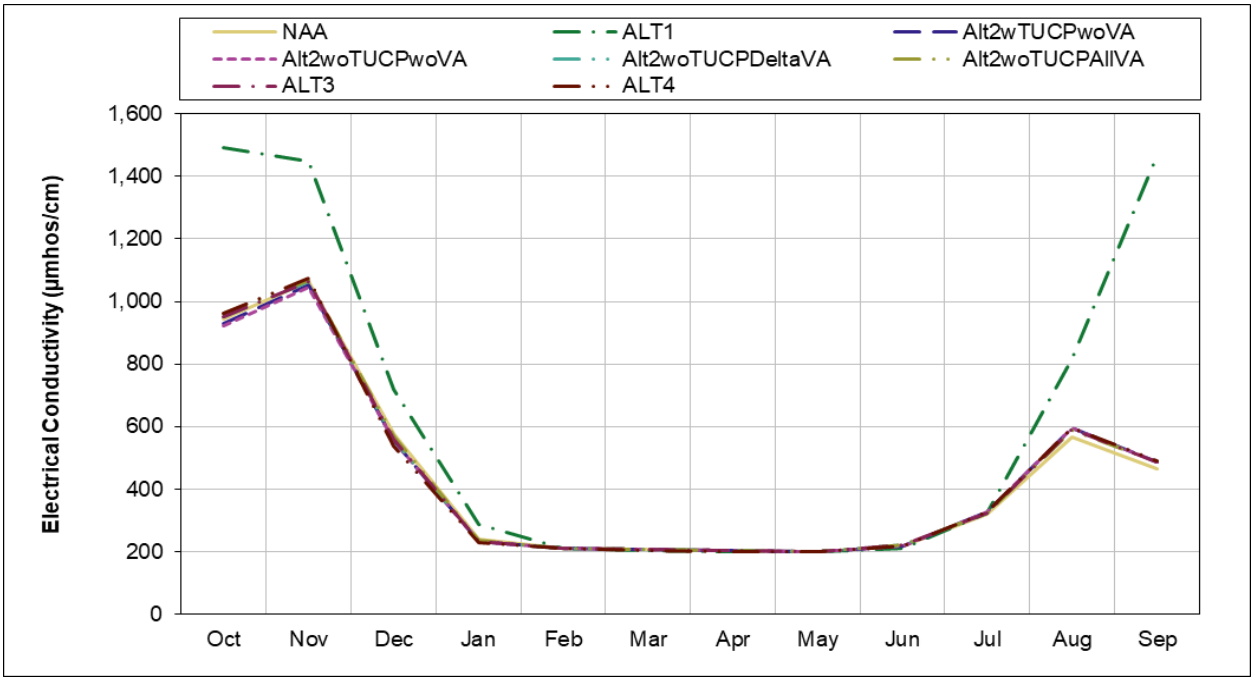

Figure G.1-2-2. San Joaquin River at Jersey Point, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

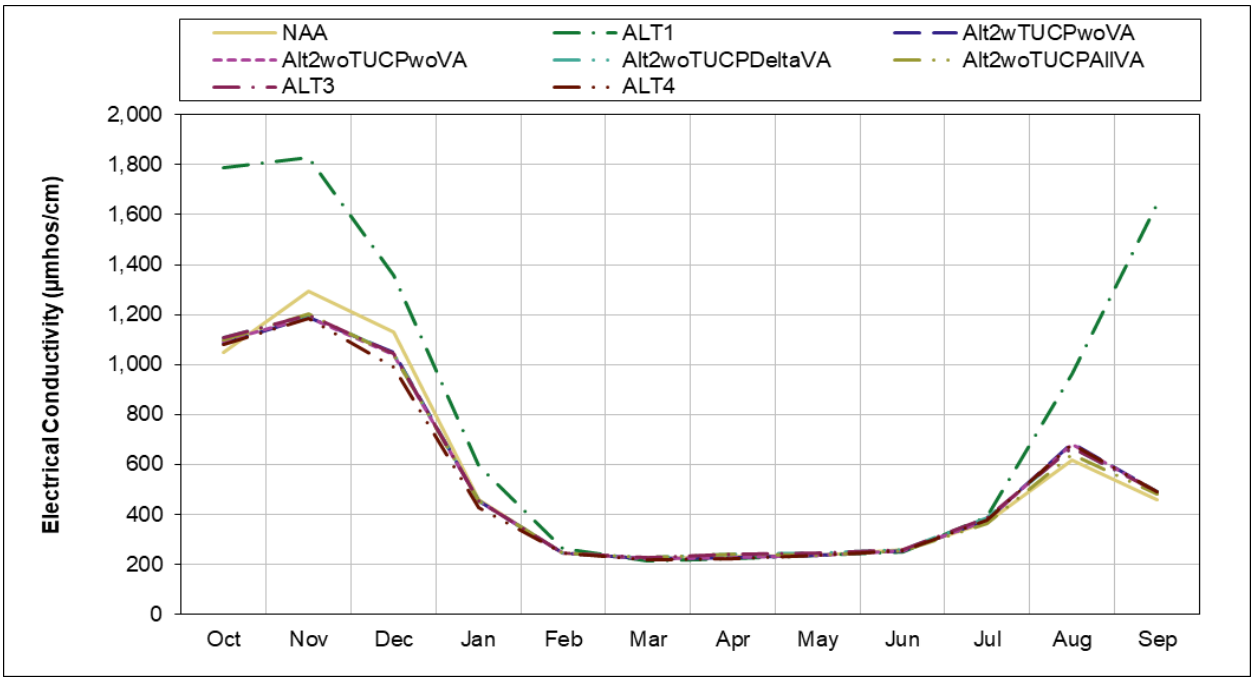

Figure G.1-2-3. San Joaquin River at Jersey Point, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

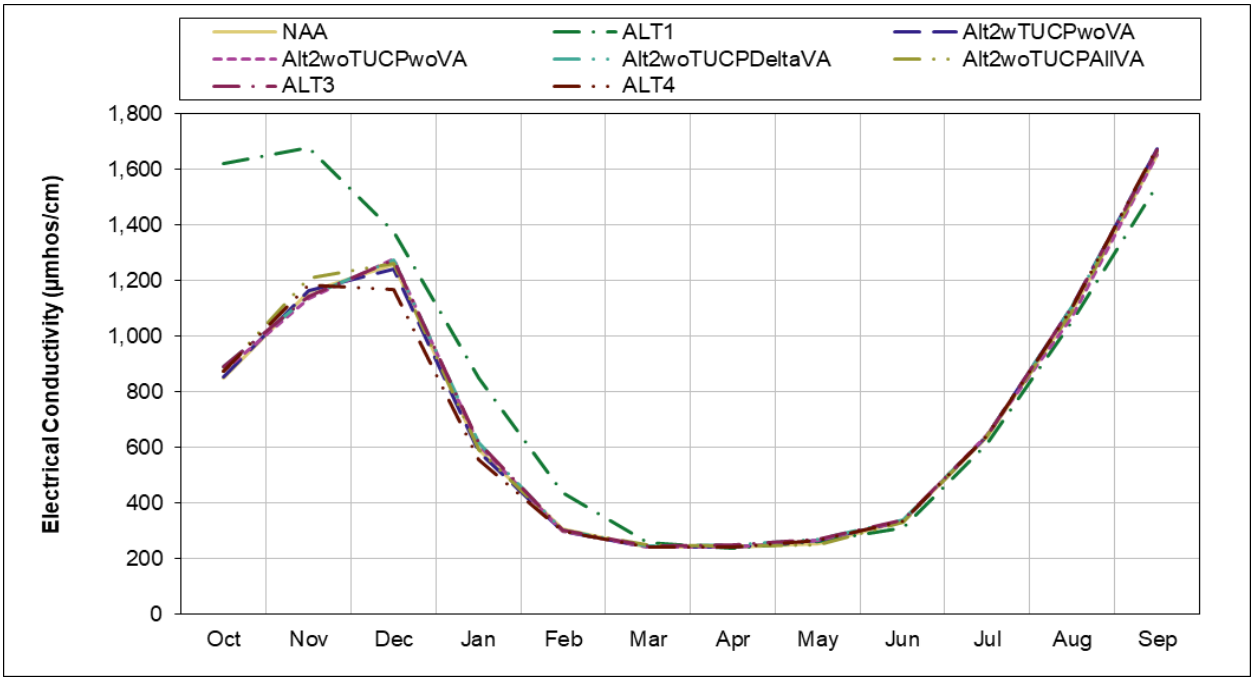

Figure G.1-2-4. San Joaquin River at Jersey Point, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

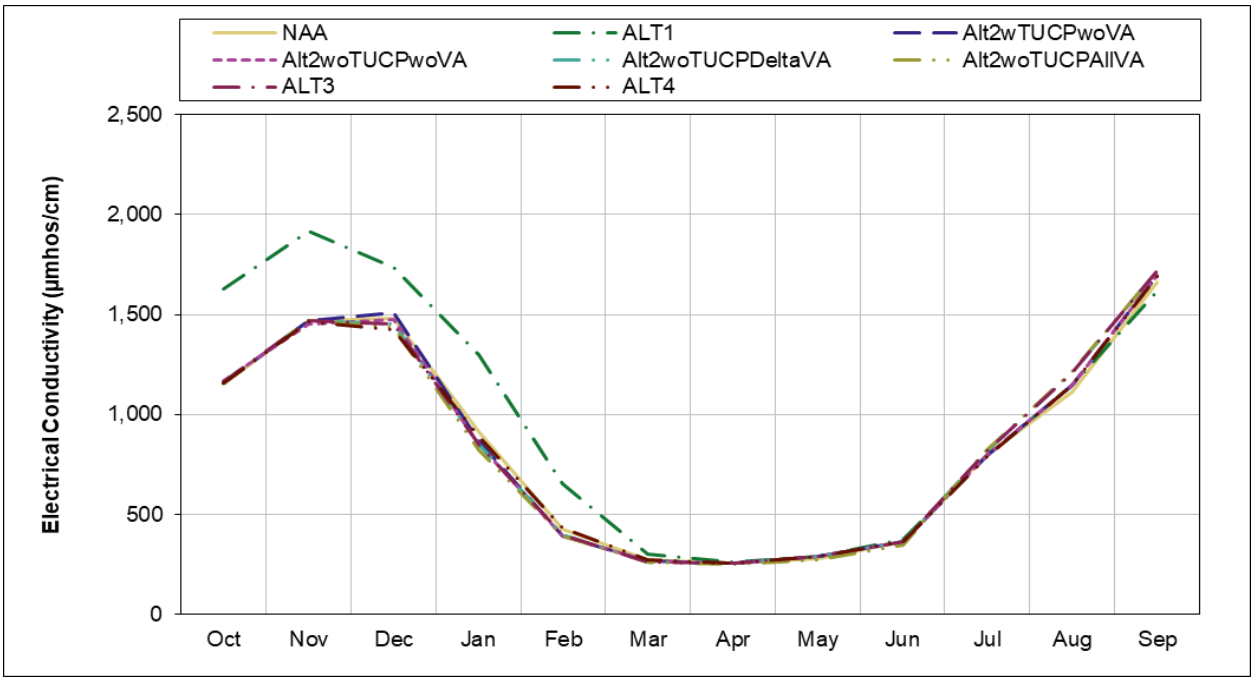

Figure G.1-2-5. San Joaquin River at Jersey Point, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

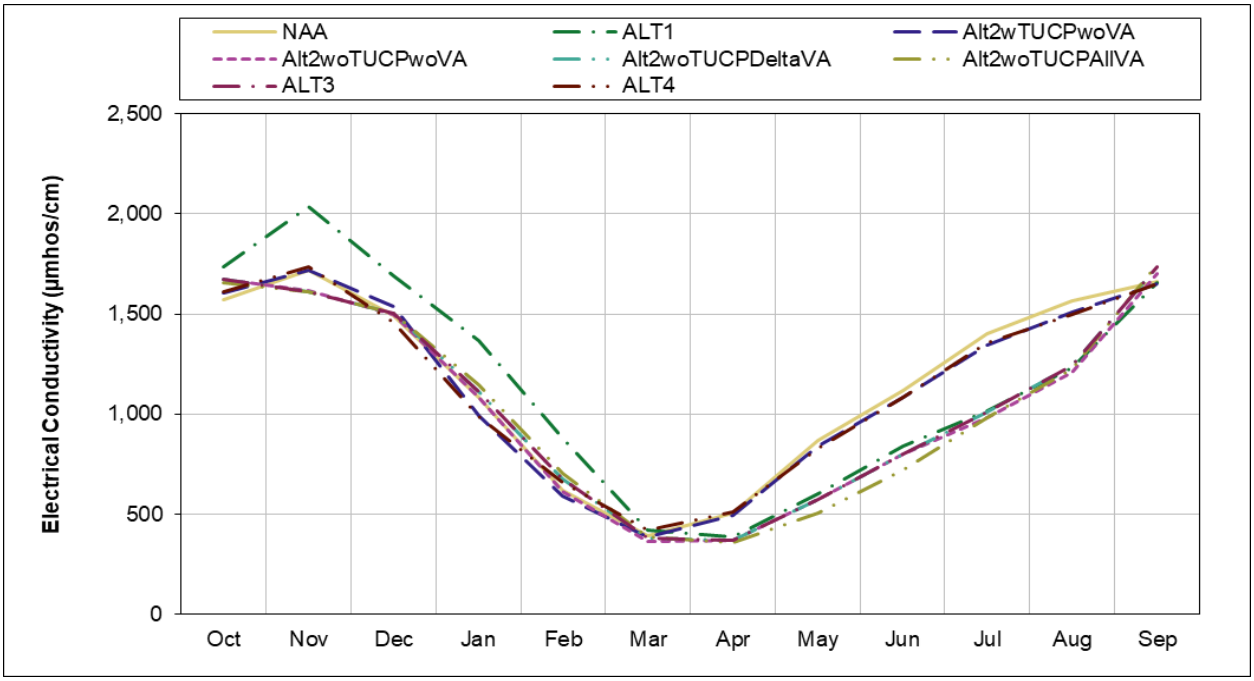

Figure G.1-2-6. San Joaquin River at Jersey Point, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

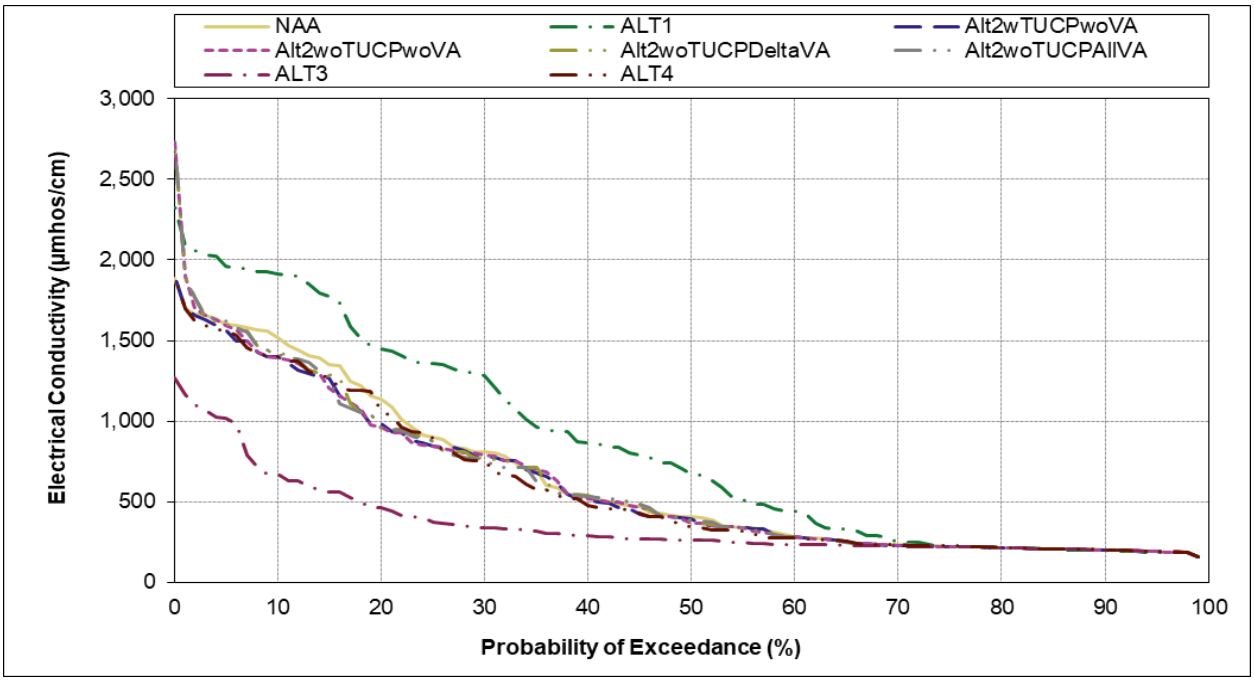

Figure G.1-2-7. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), January

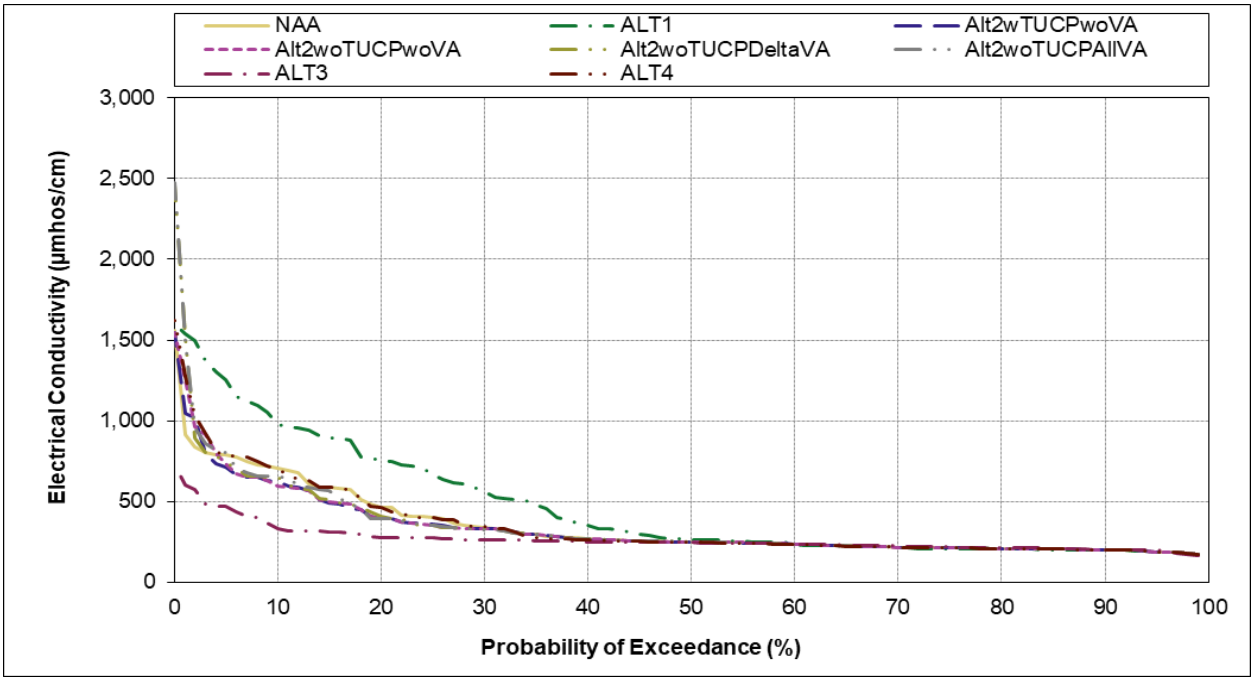

Figure G.1-2-8. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), February

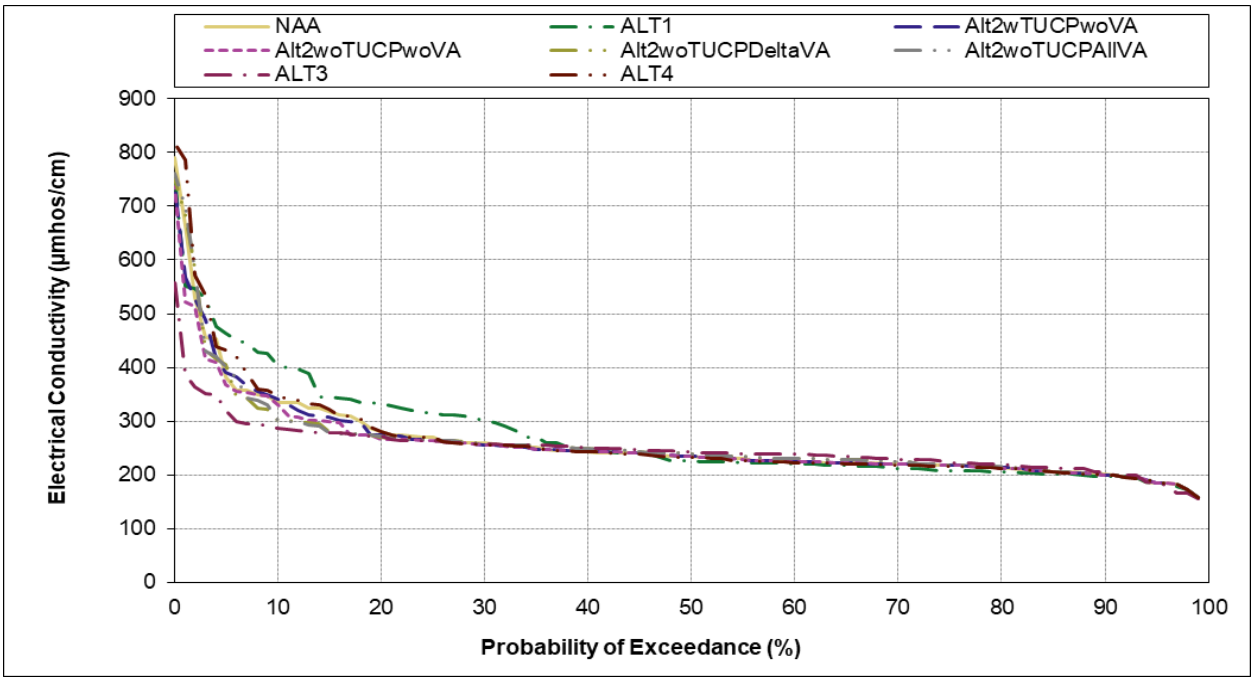

Figure G.1-2-9. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), March

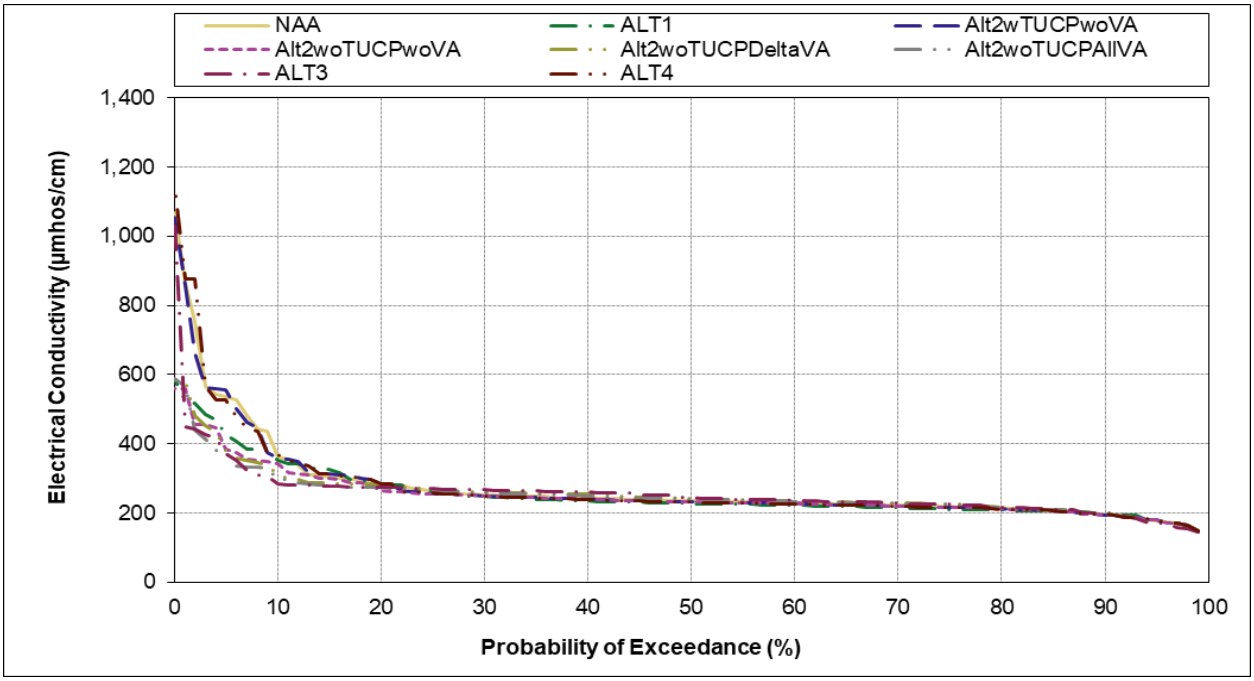

Figure G.1-2-10. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), April

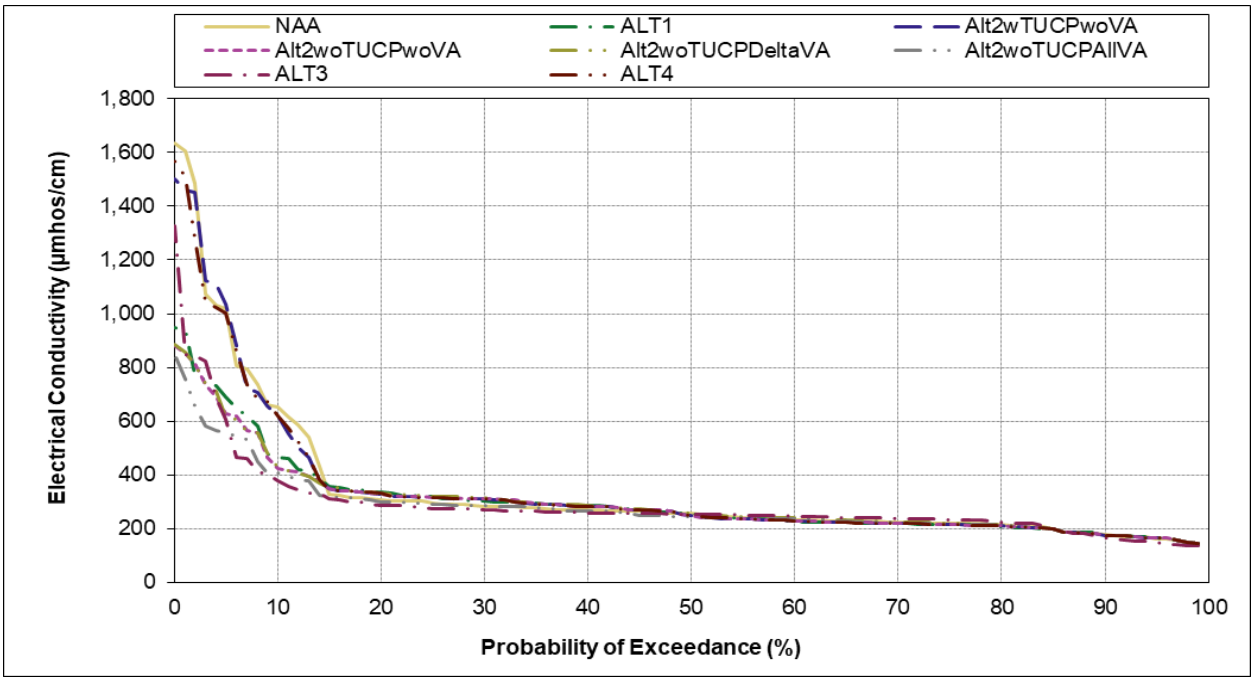

Figure G.1-2-11. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), May

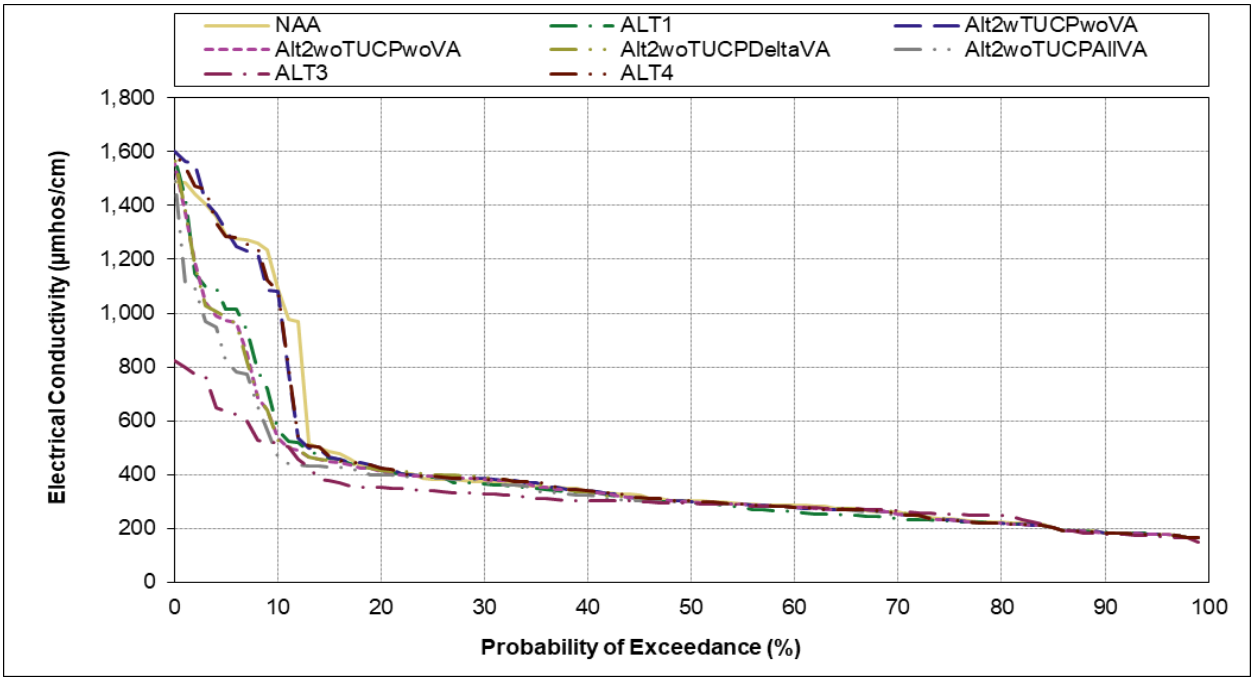

Figure G.1-2-12. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), June

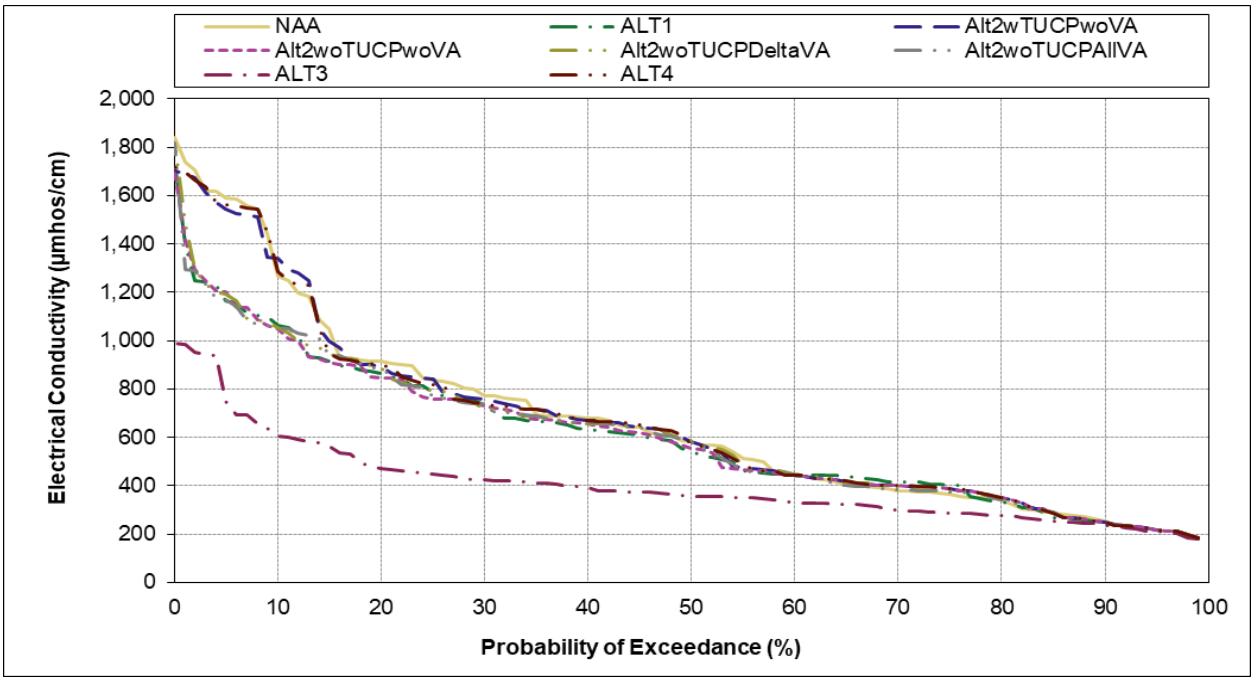

Figure G.1-2-13. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), July

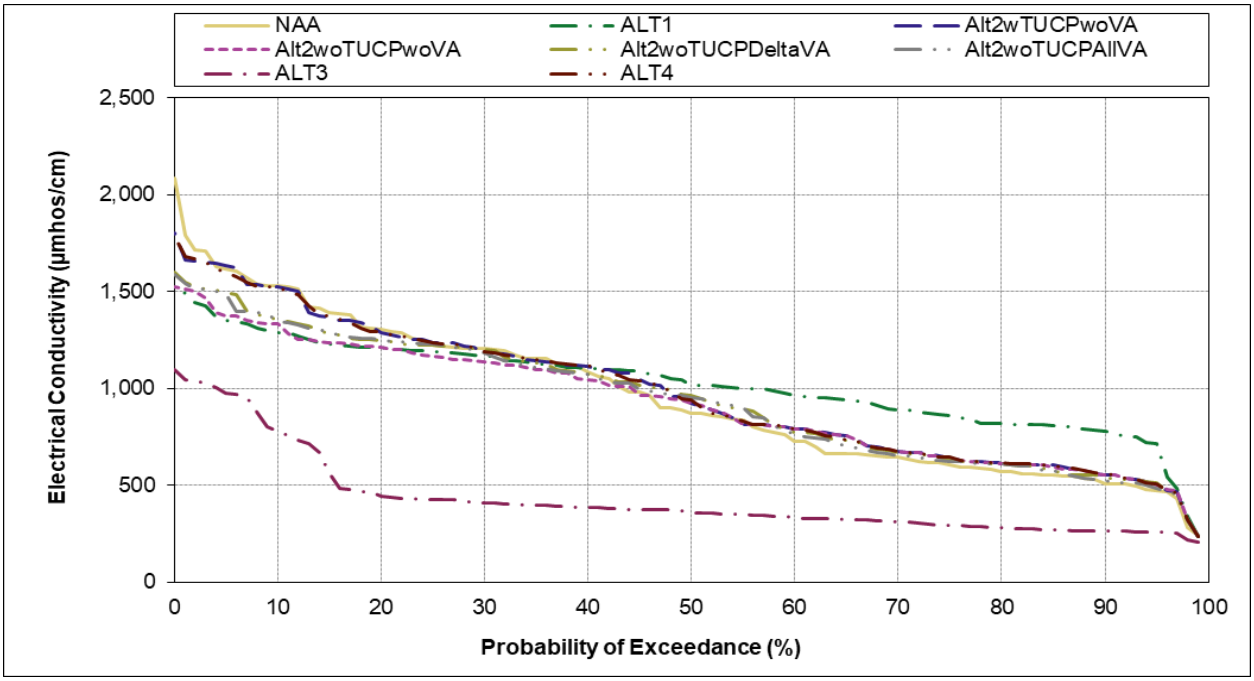

Figure G.1-2-14. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), August

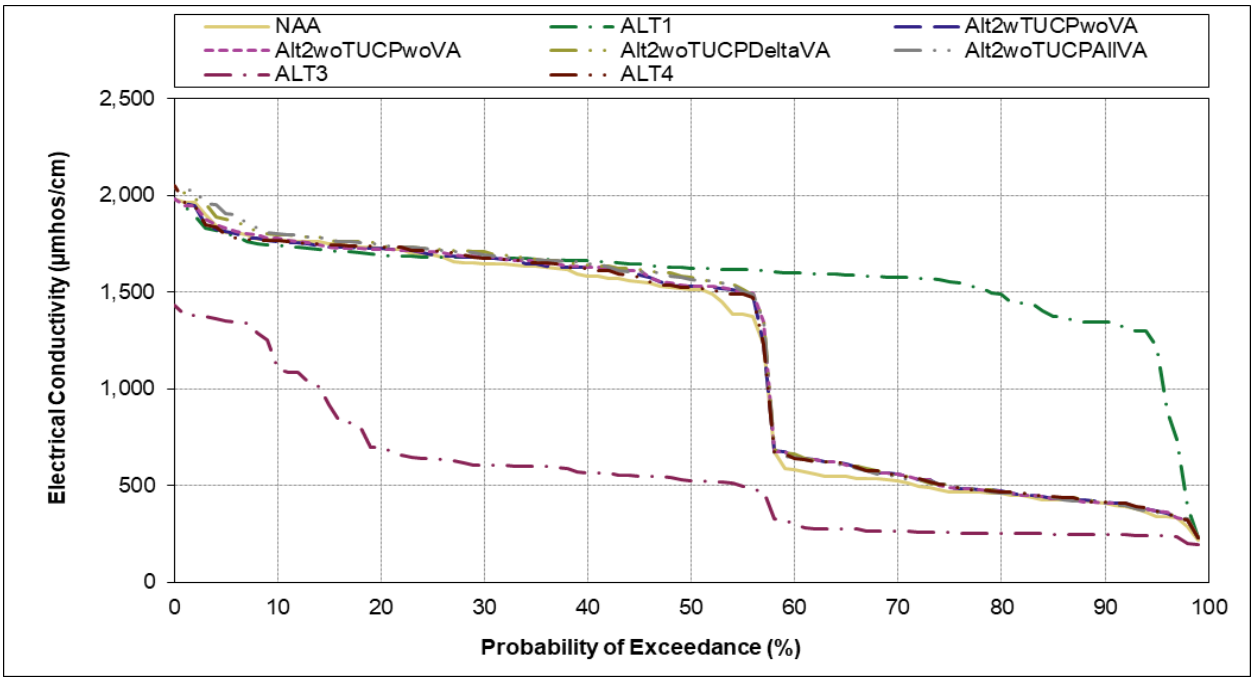

Figure G.1-2-15. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), September

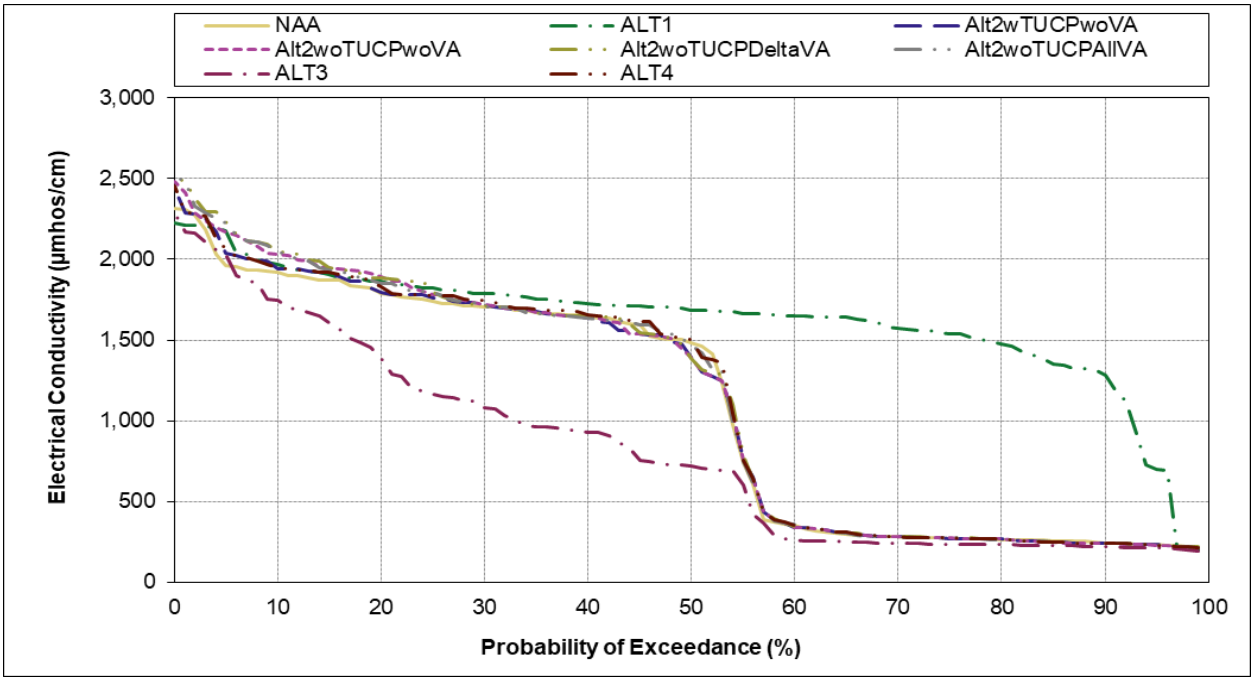

Figure G.1-2-16. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), October

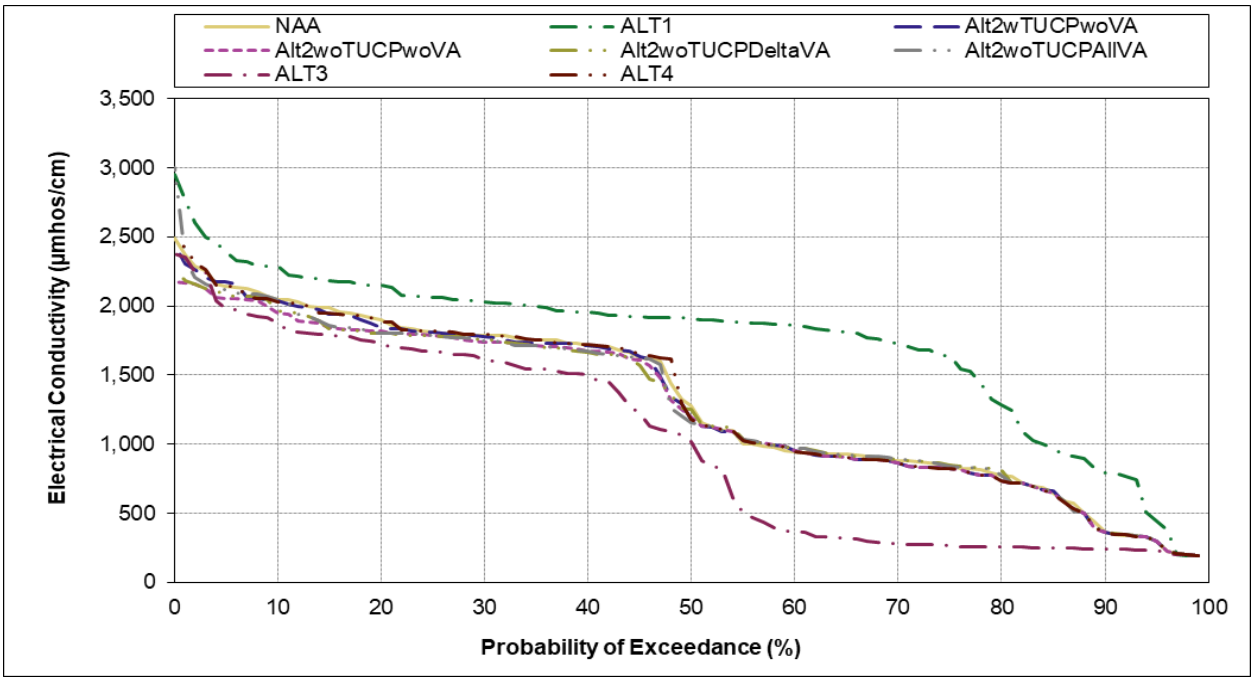

Figure G.1-2-17. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), November

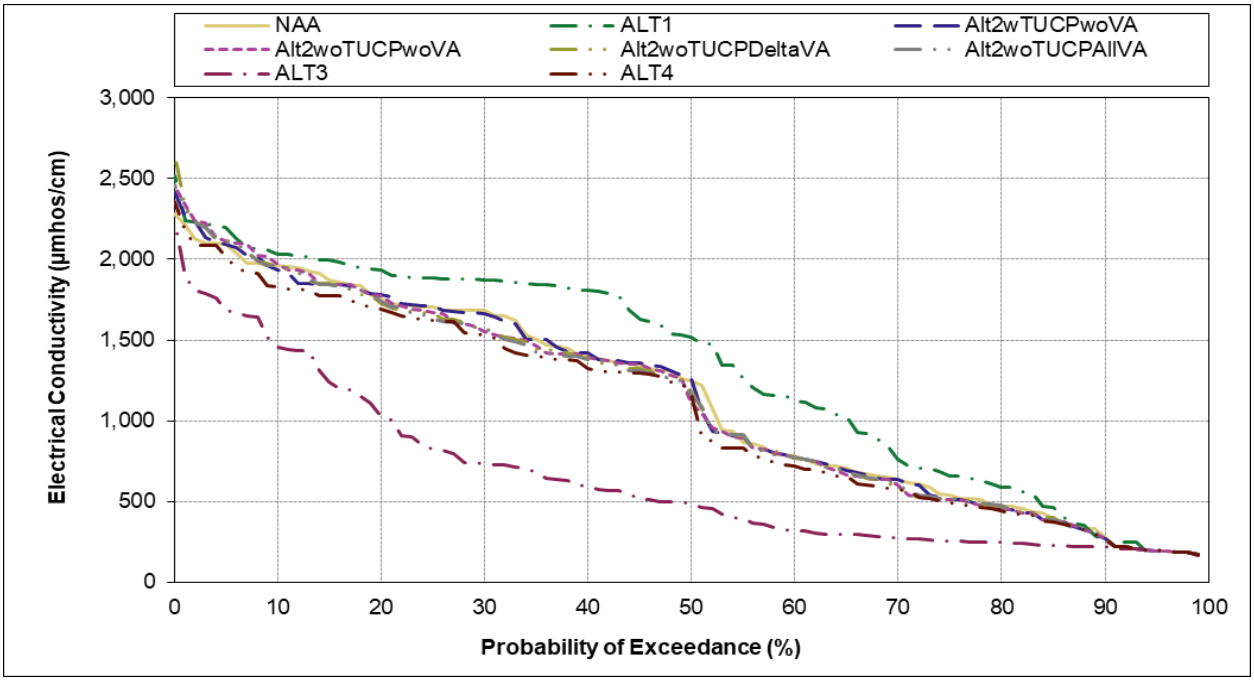

Figure G.1-2-18. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), December

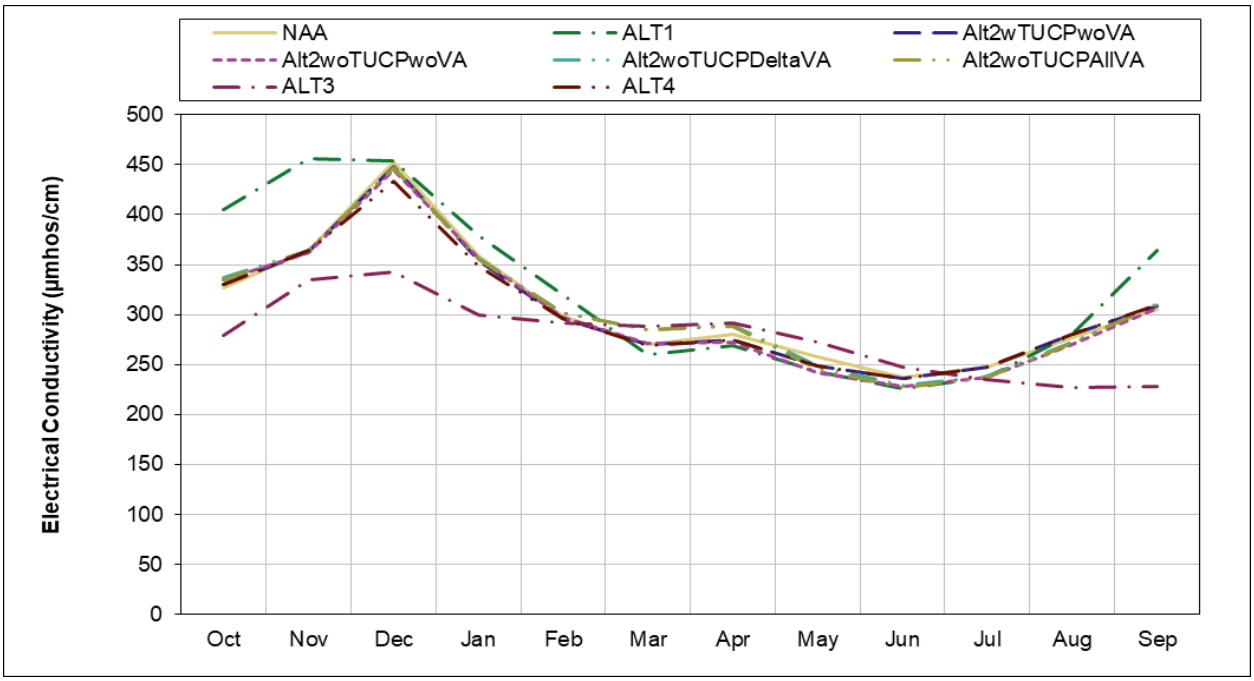

Figure G.1-3-1. San Joaquin River at Prisoners Point, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)

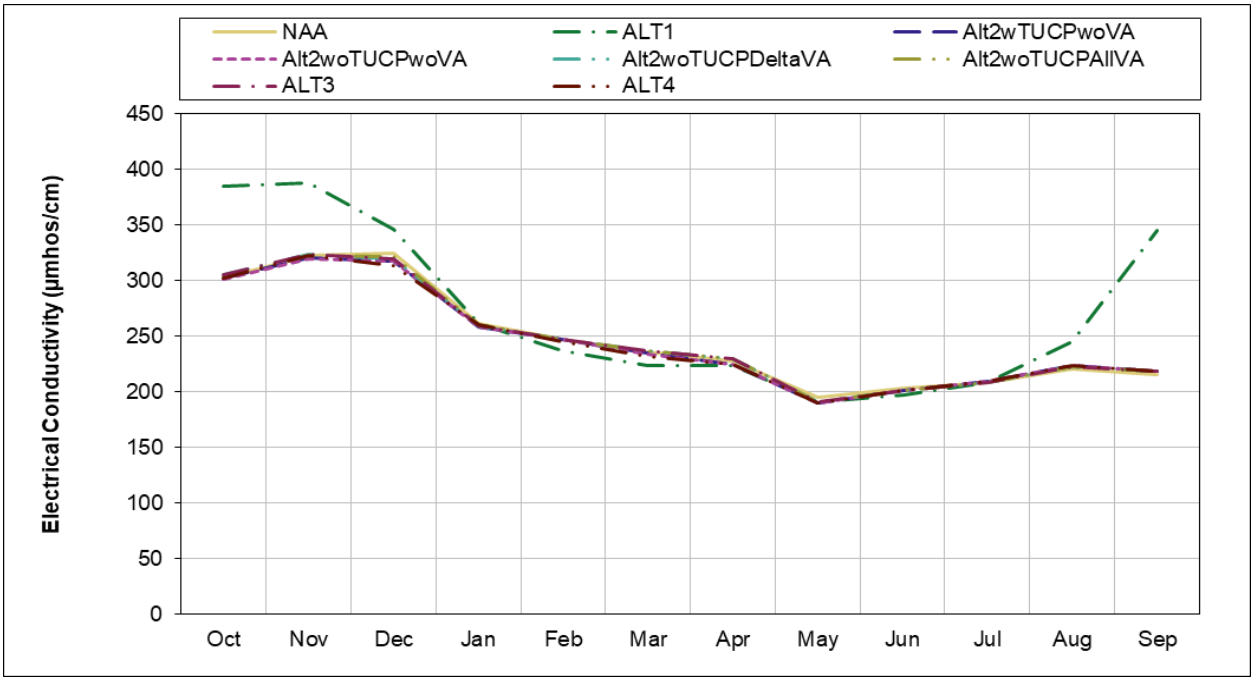

Figure G.1-3-2. San Joaquin River at Prisoners Point, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

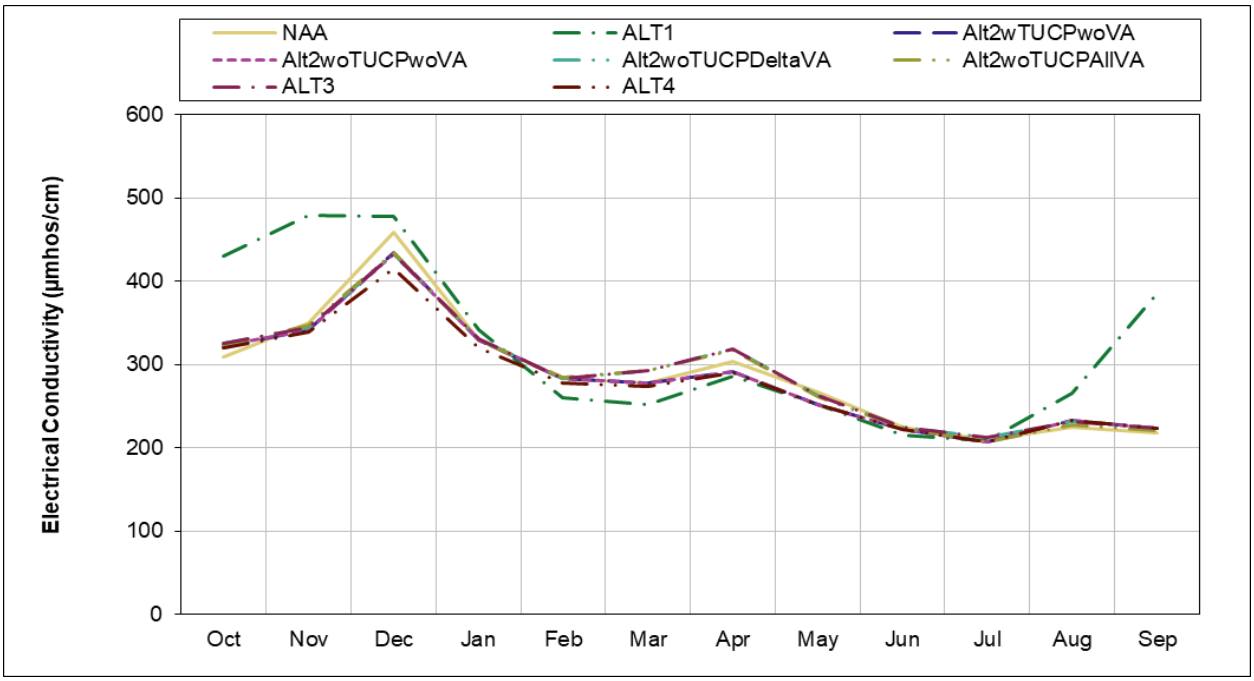

Figure G.1-3-3. San Joaquin River at Prisoners Point, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

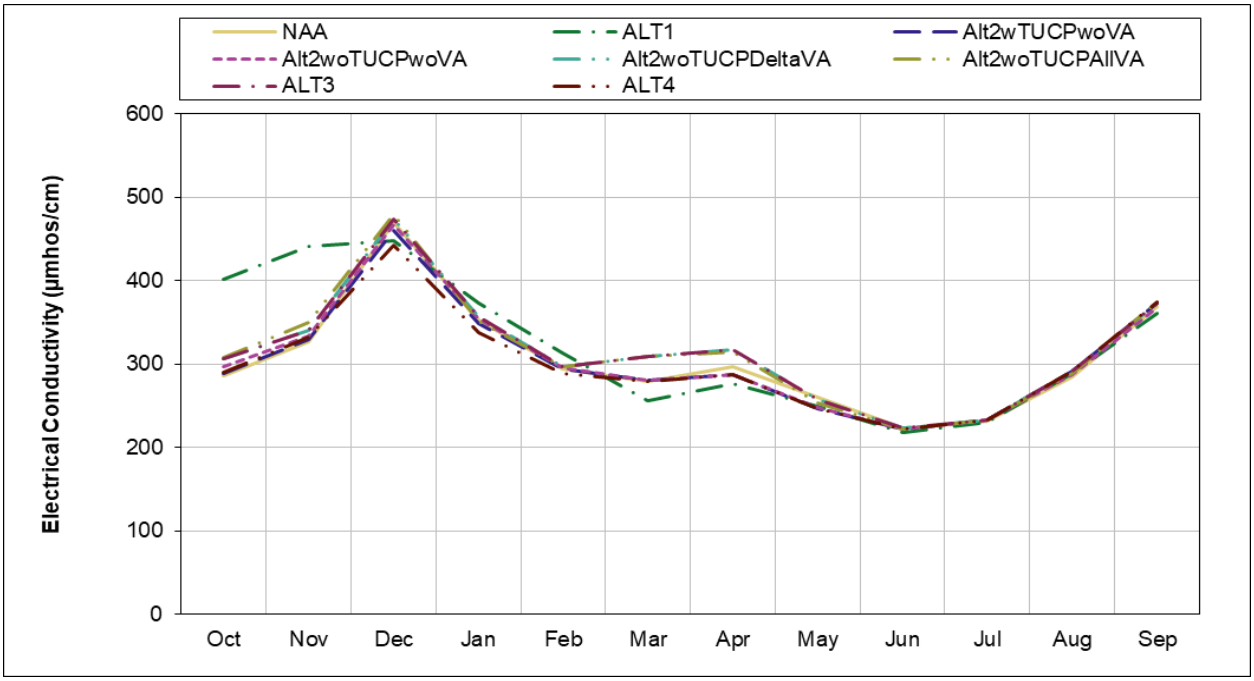

Figure G.1-3-4. San Joaquin River at Prisoners Point, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

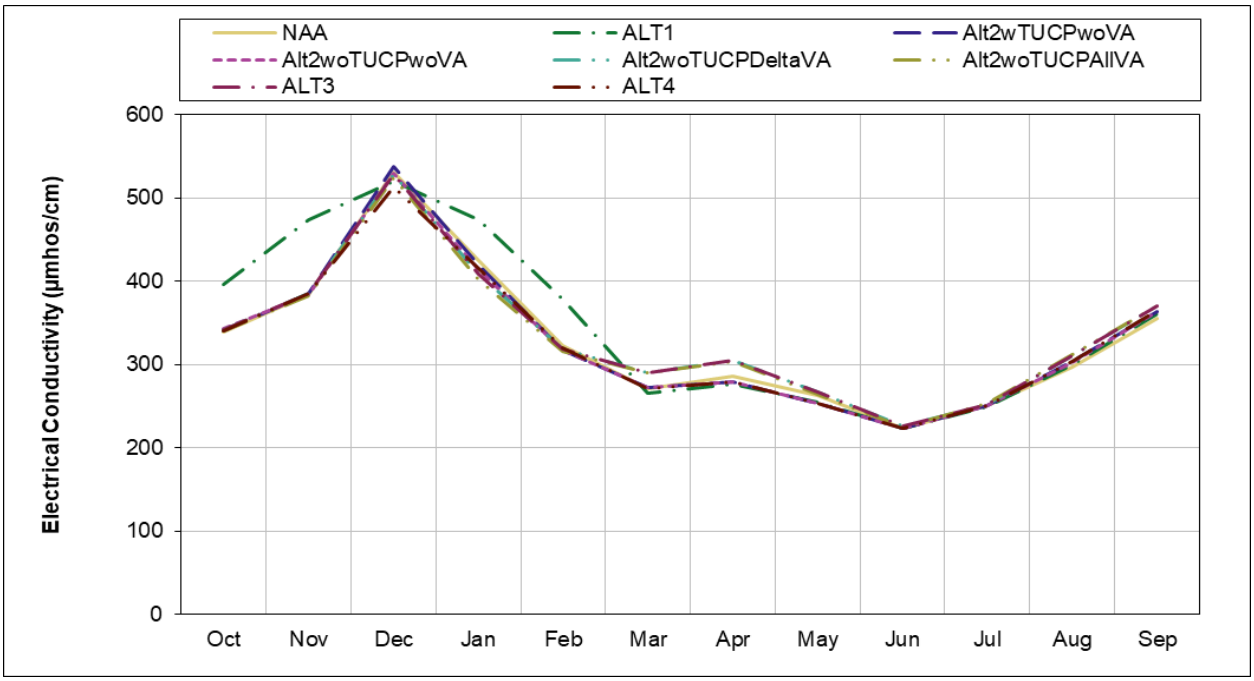

Figure G.1-3-5. San Joaquin River at Prisoners Point, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

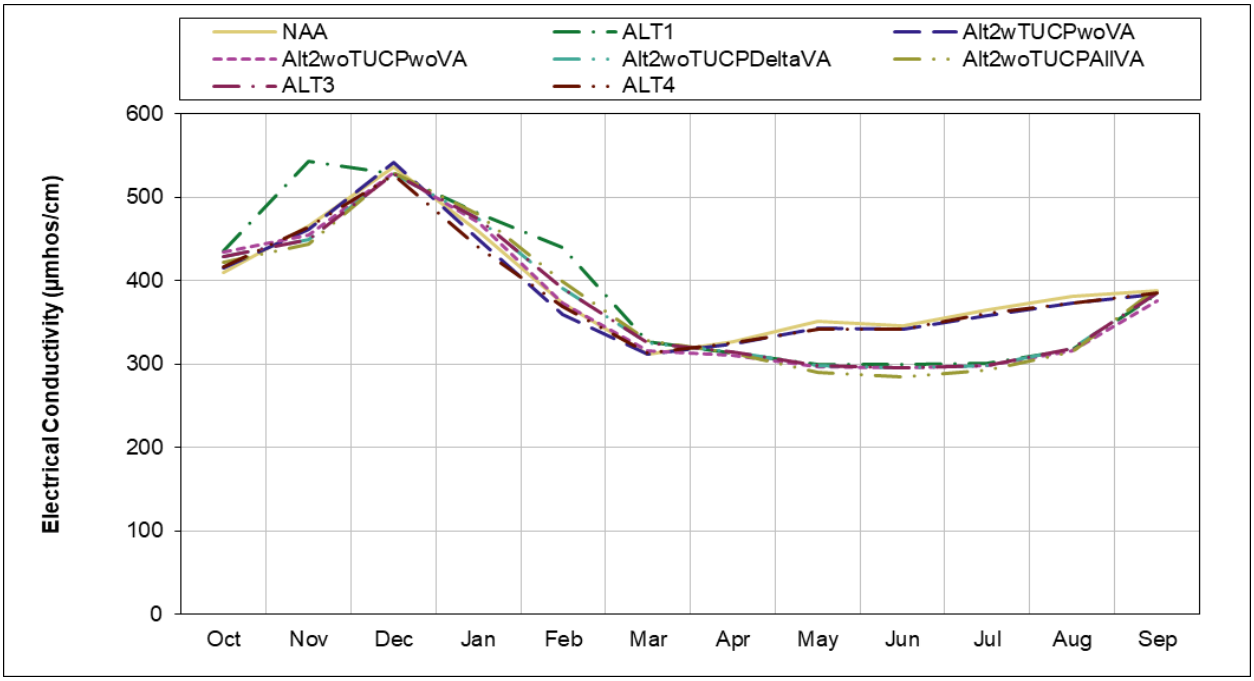

Figure G.1-3-6. San Joaquin River at Prisoners Point, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

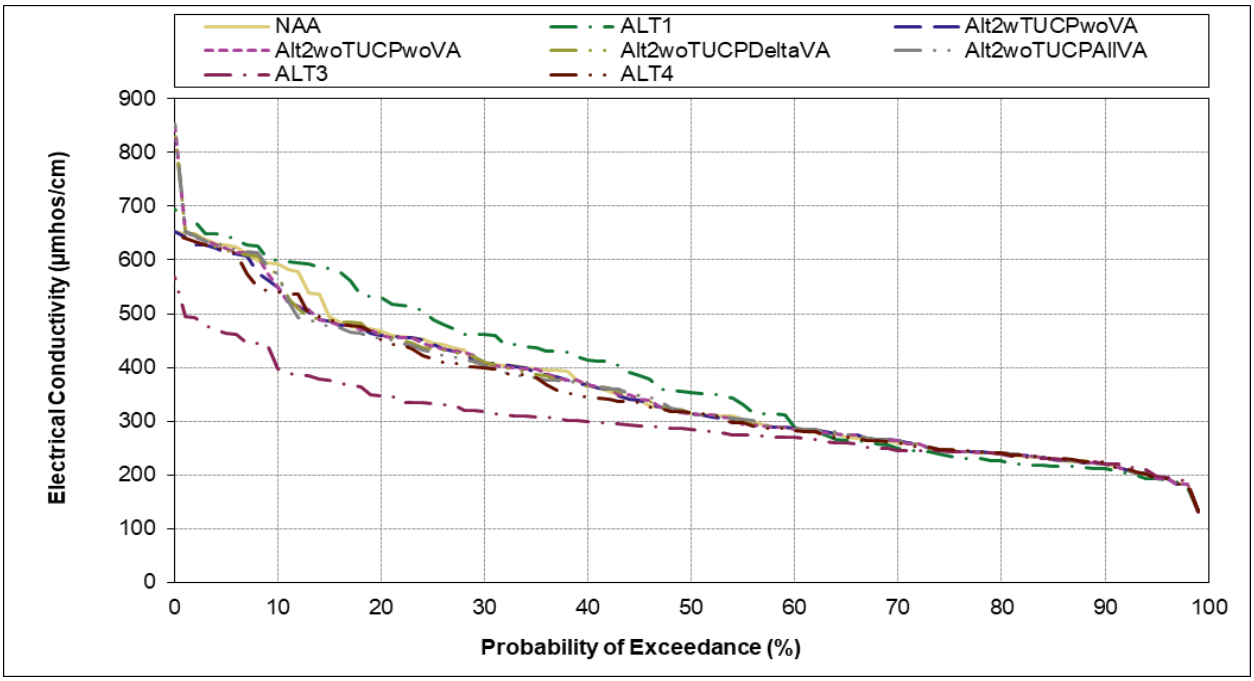

Figure G.1-3-7. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), January

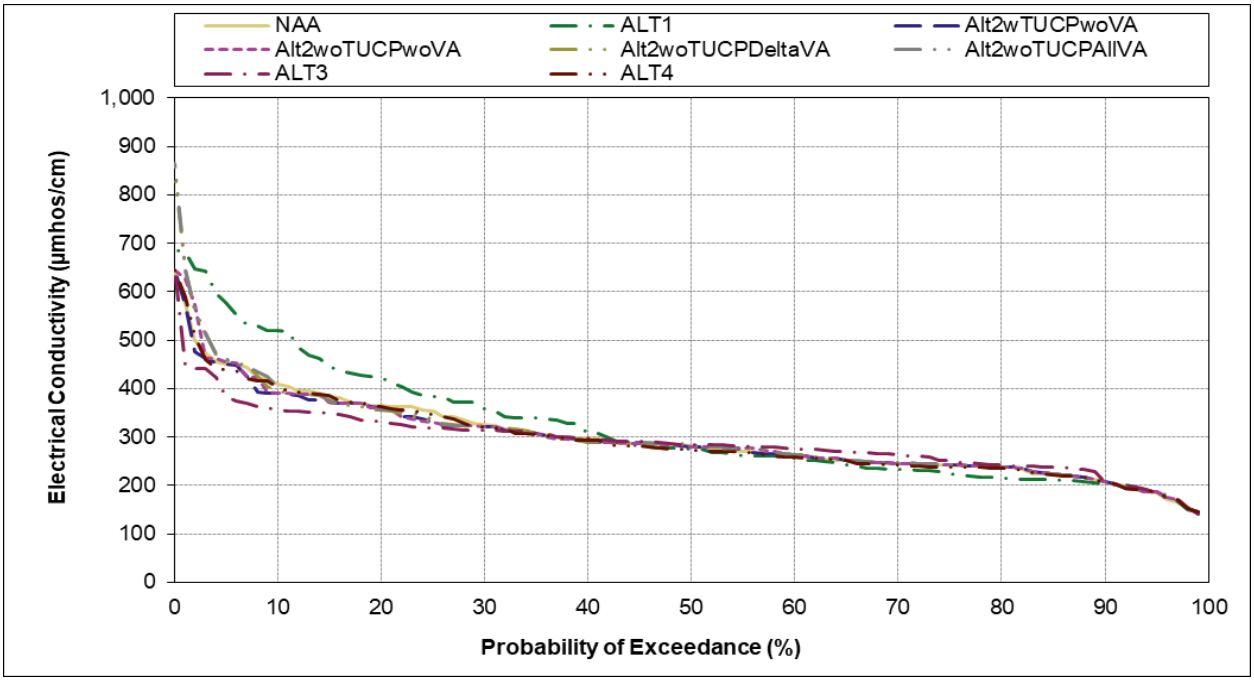

Figure G.1-3-8. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), February

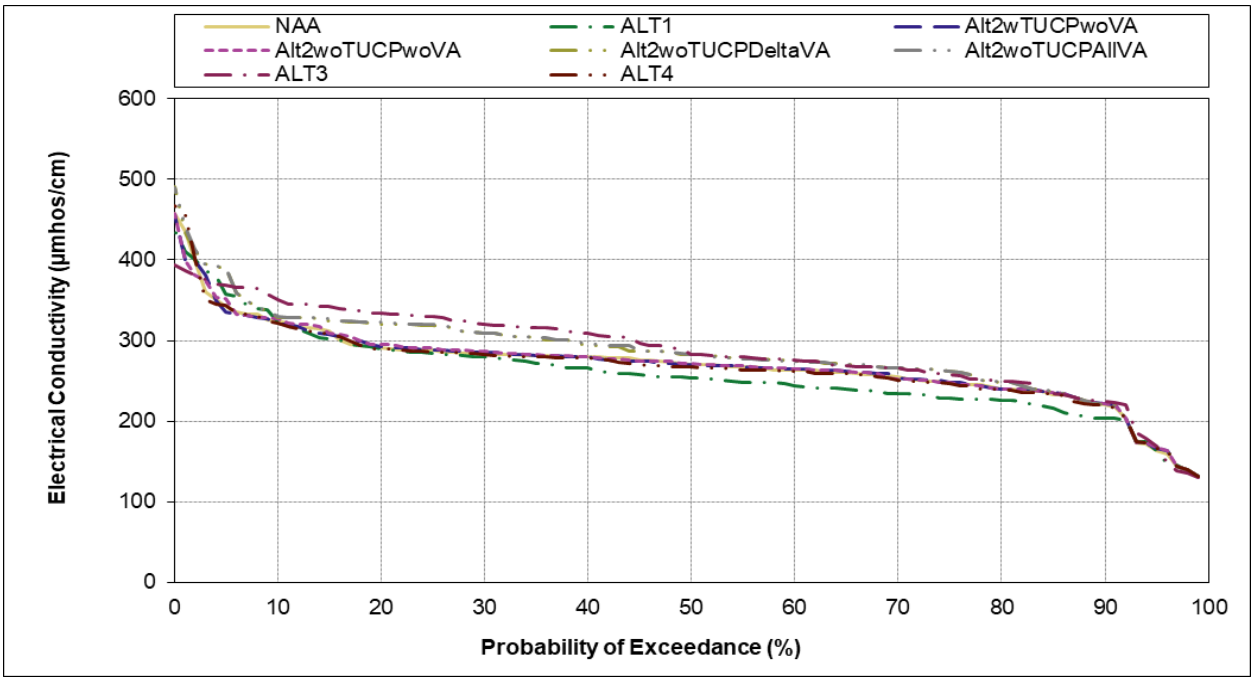

Figure G.1-3-9. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), March

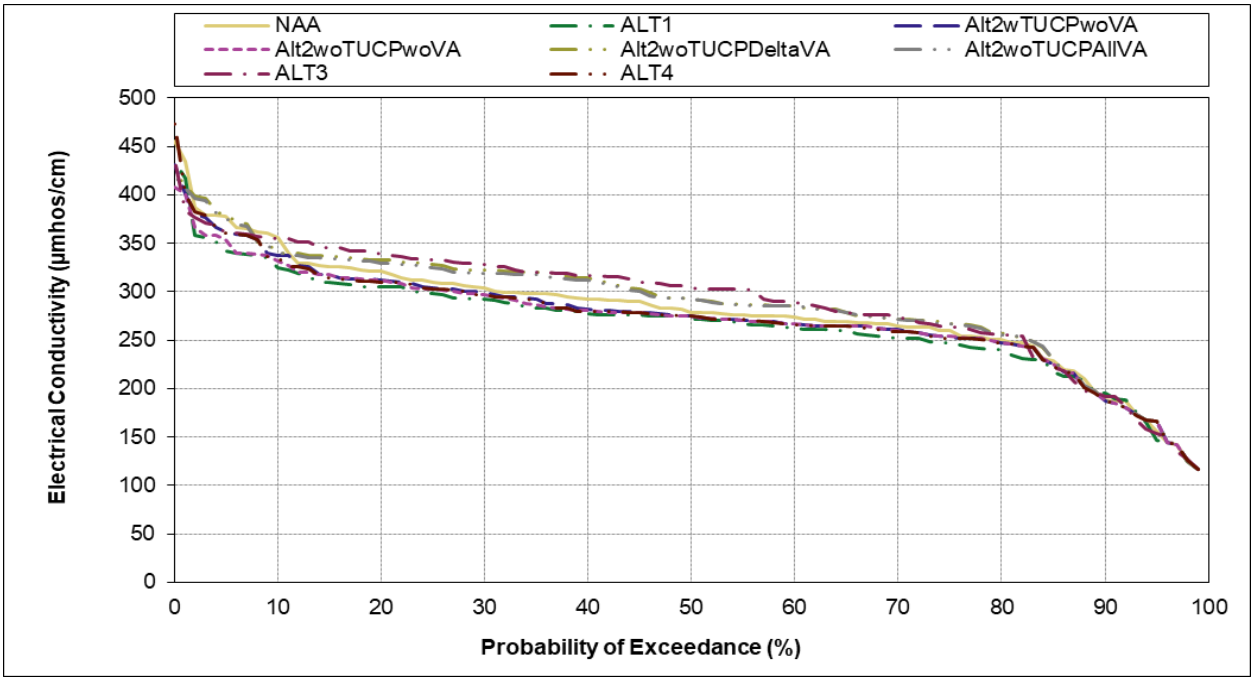

Figure G.1-3-10. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), April

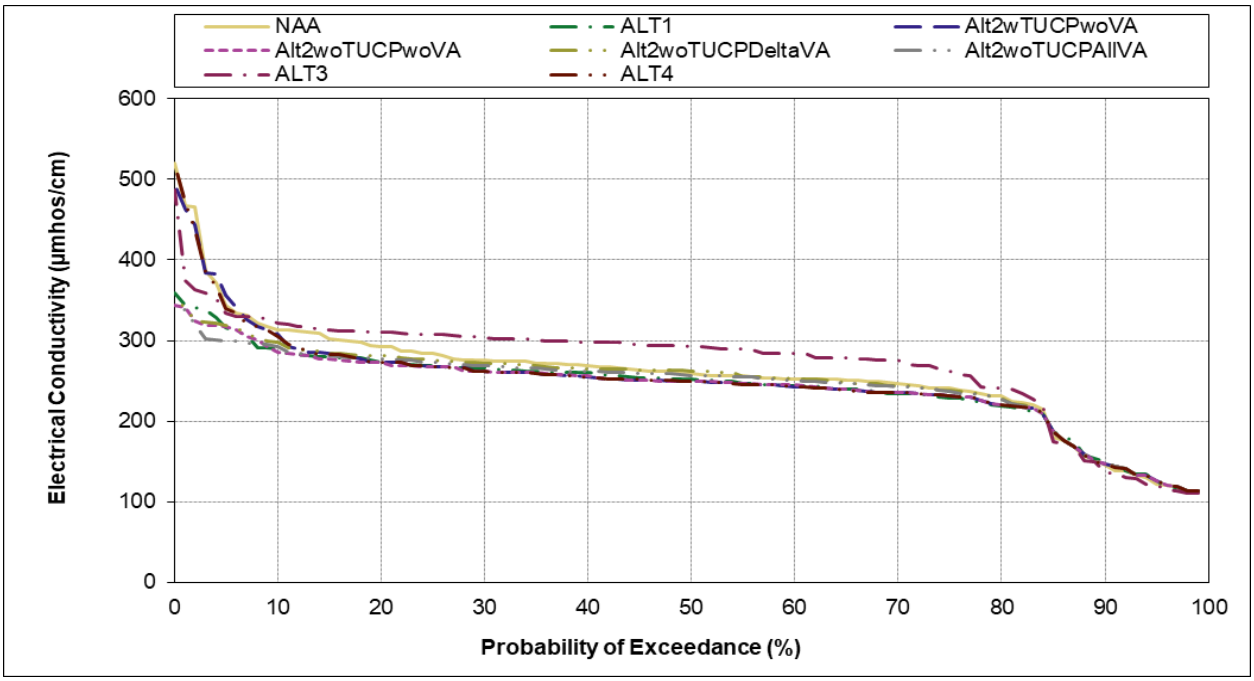

Figure G.1-3-11. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), May

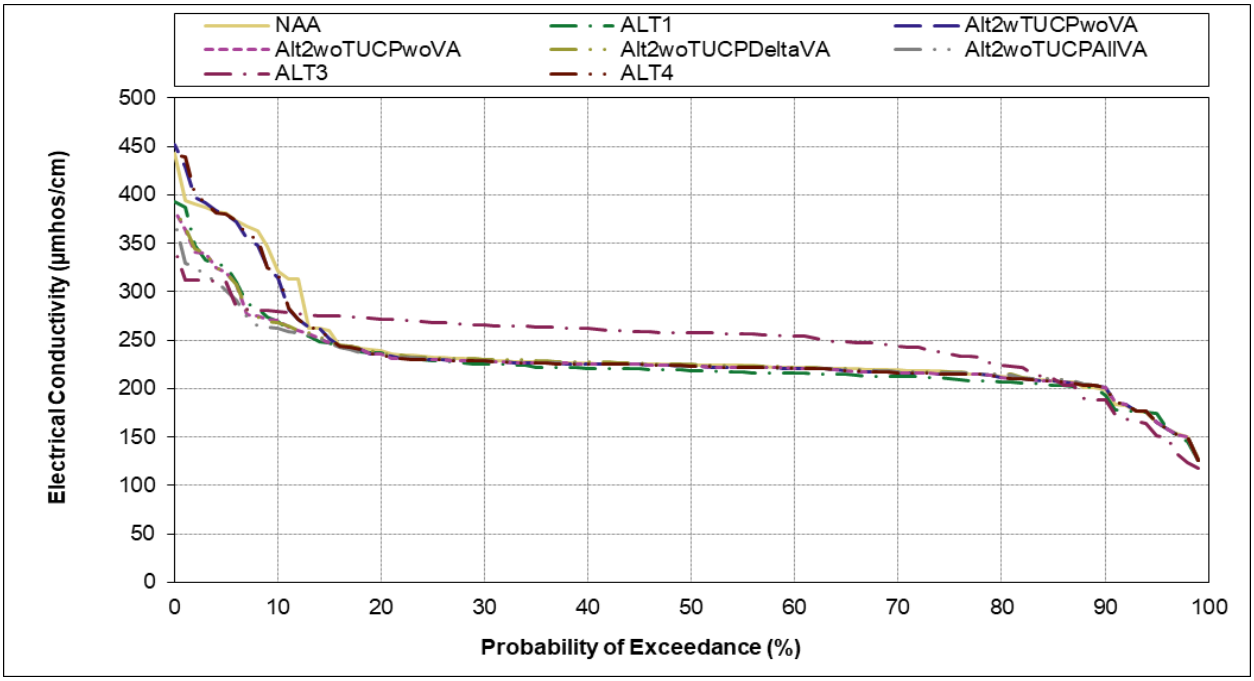

Figure G.1-3-12. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), June

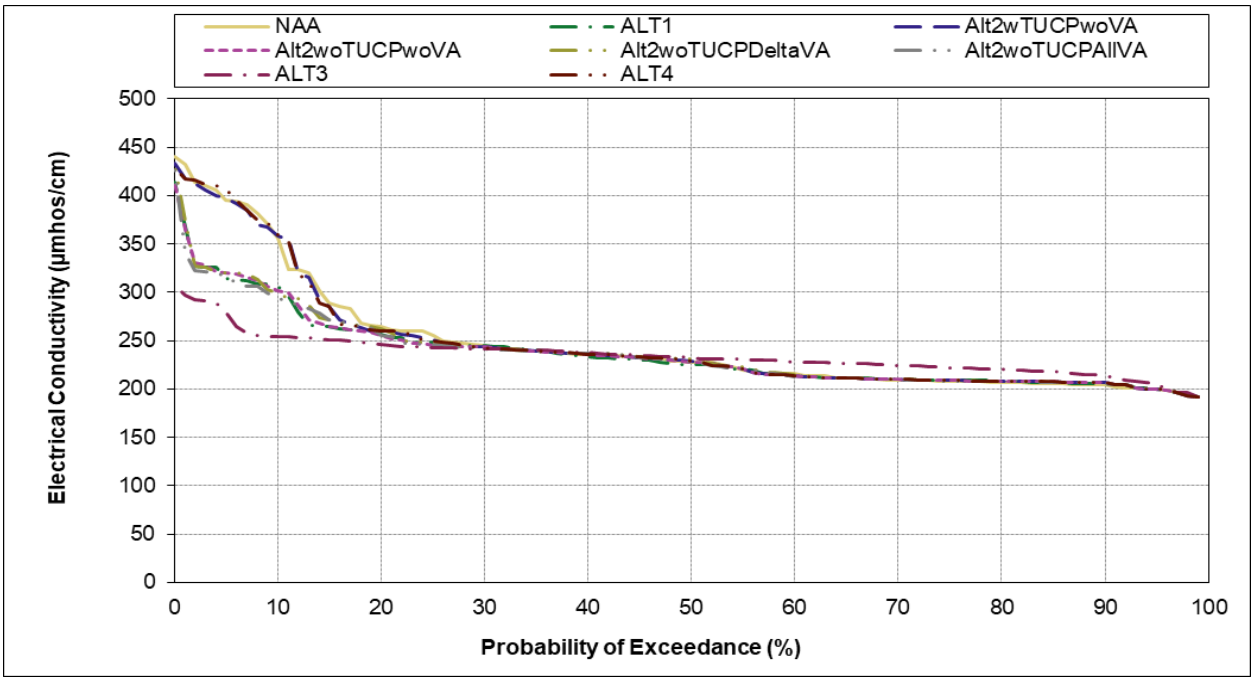

Figure G.1-3-13. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), July

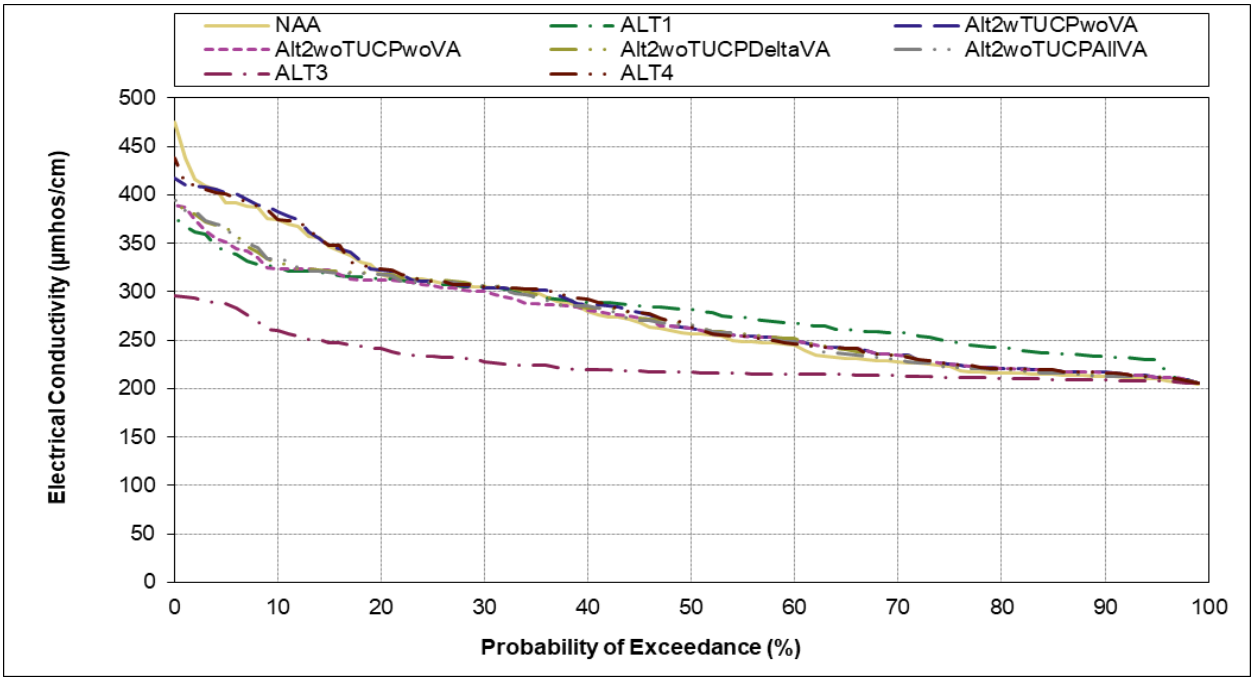

Figure G.1-3-14. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), August

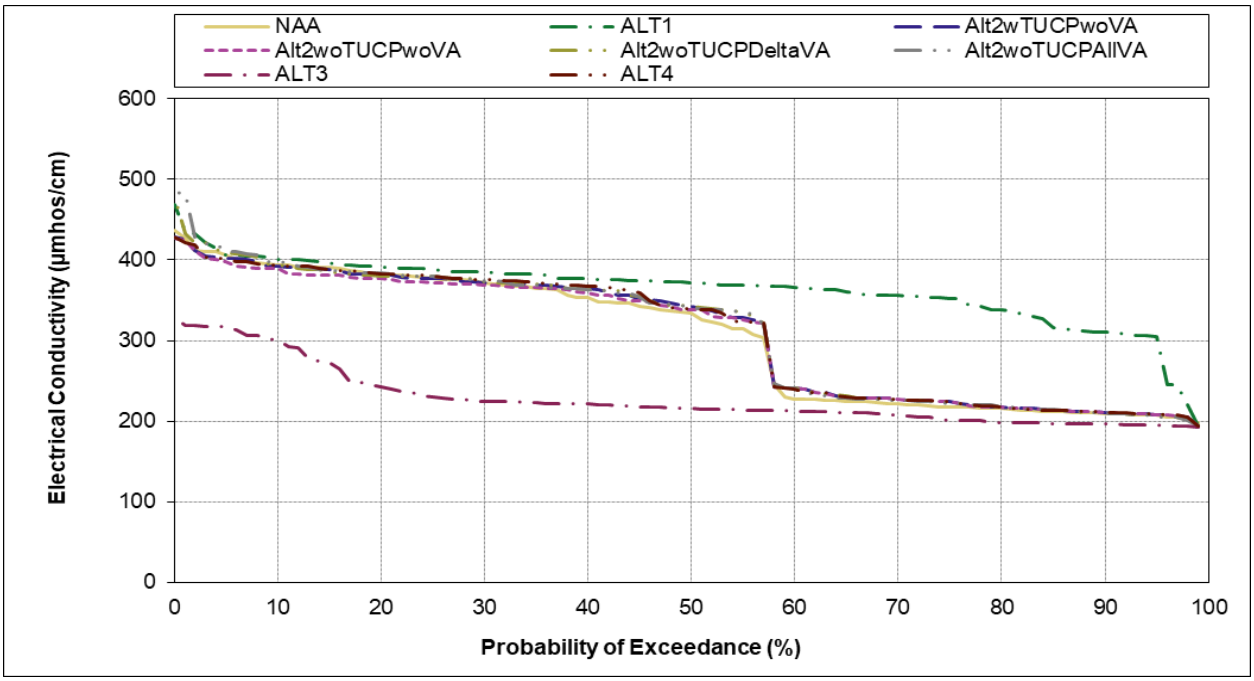

Figure G.1-3-15. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), September

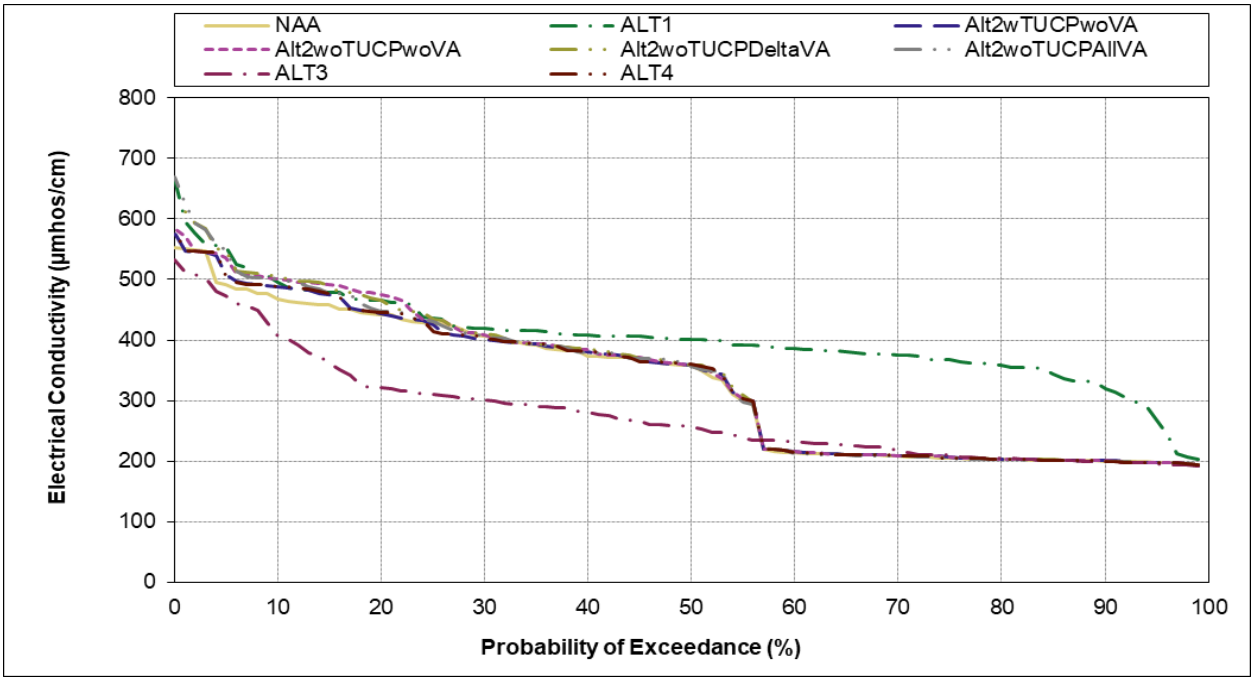

Figure G.1-3-16. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), October

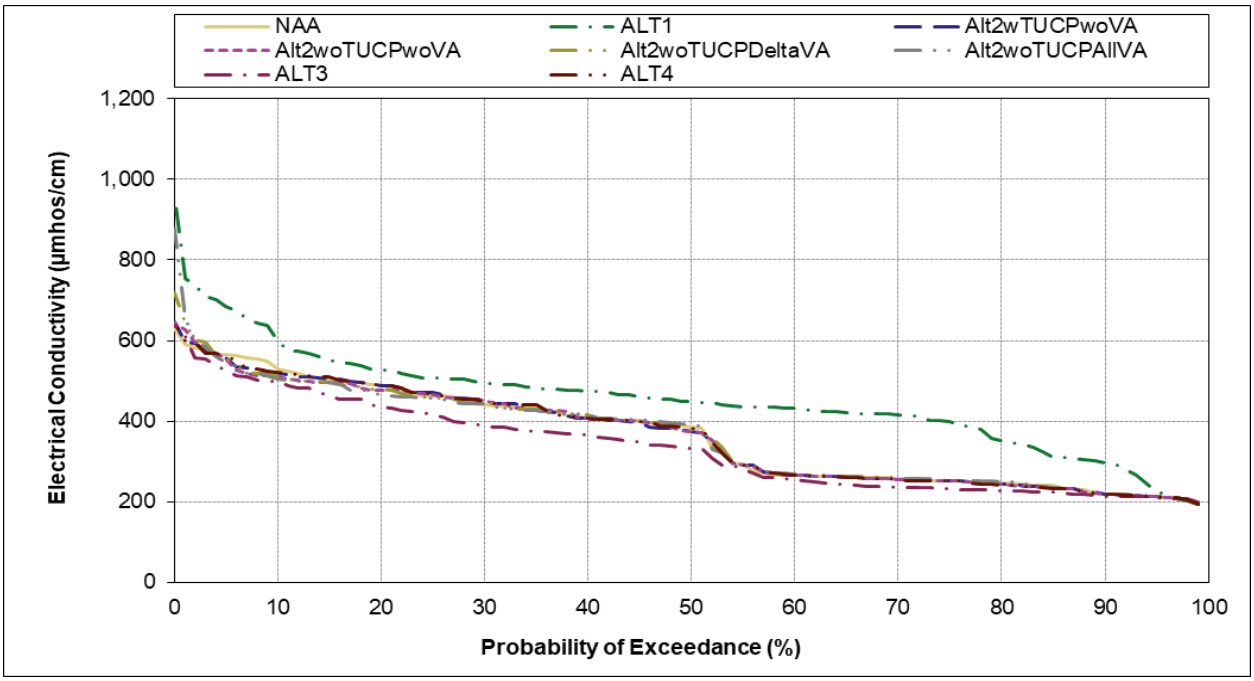

Figure G.1-3-17. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), November

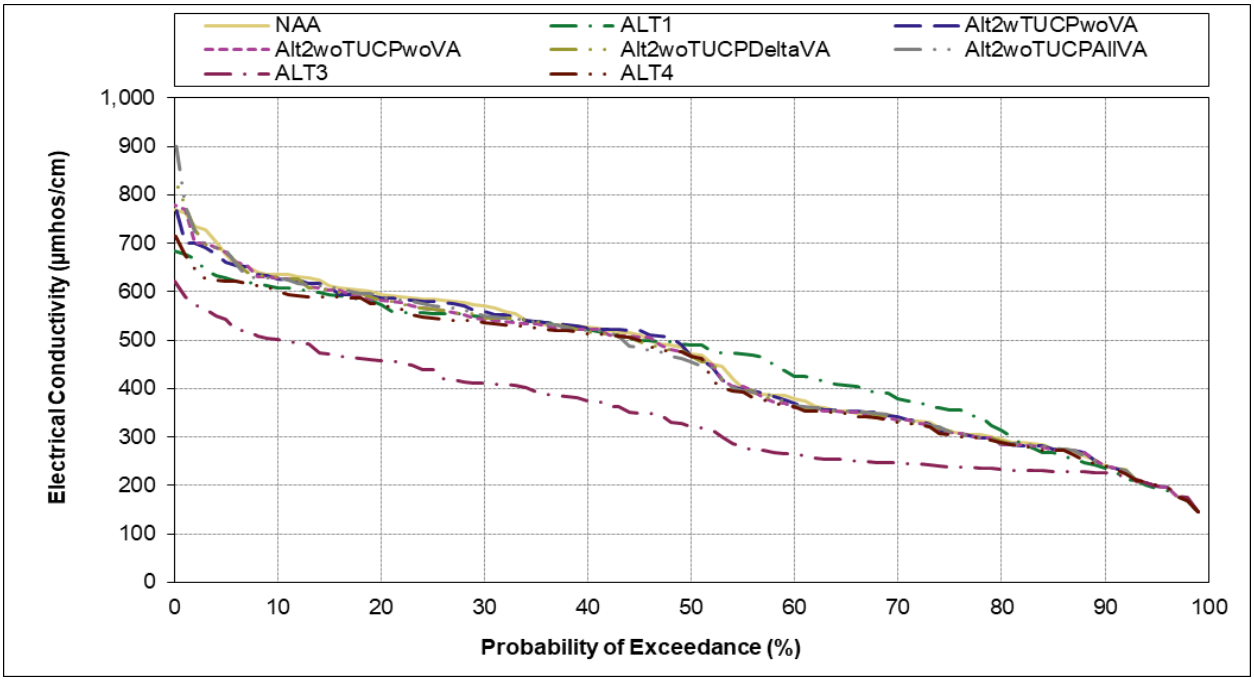

Figure G.1-3-18. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), December

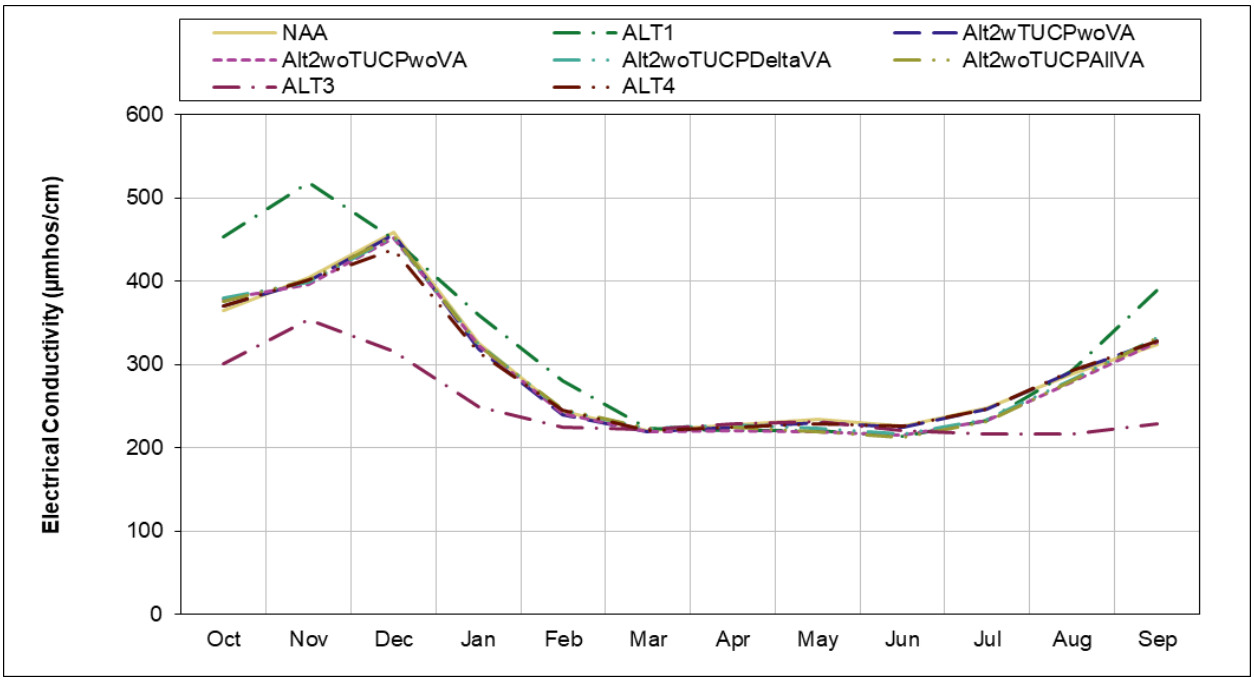

Figure G.1-4-1. San Joaquin River at San Andreas Landing, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)

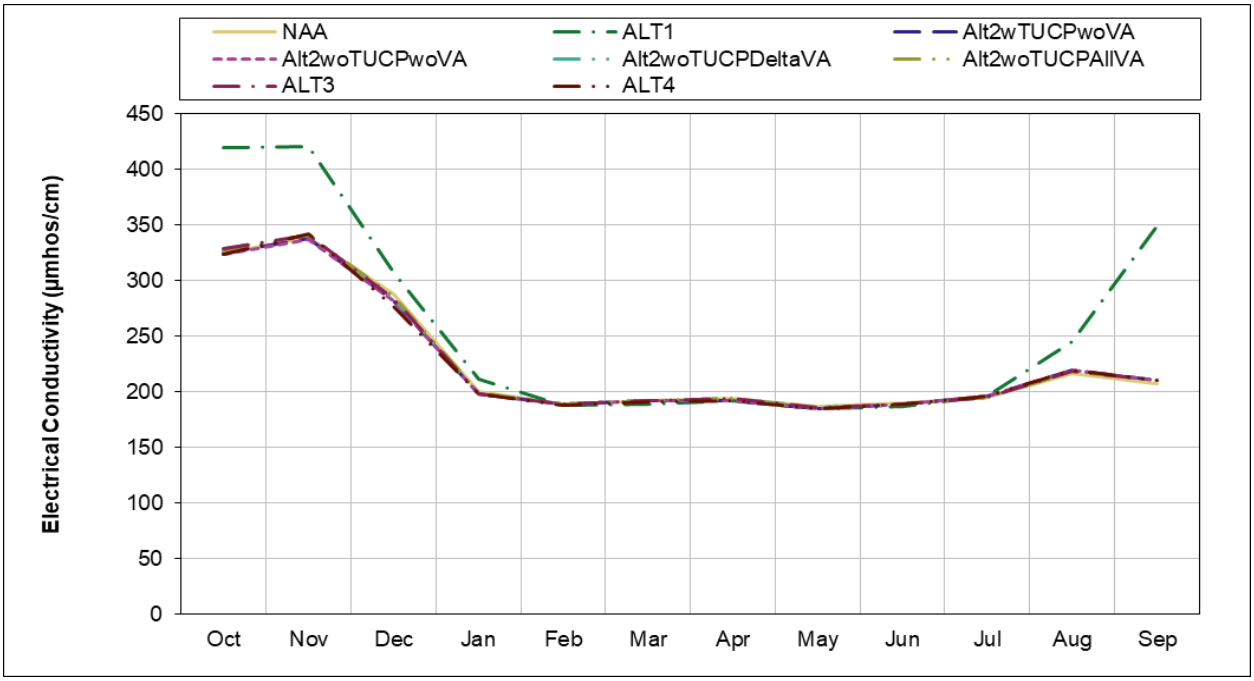

Figure G.1-4-2. San Joaquin River at San Andreas Landing, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

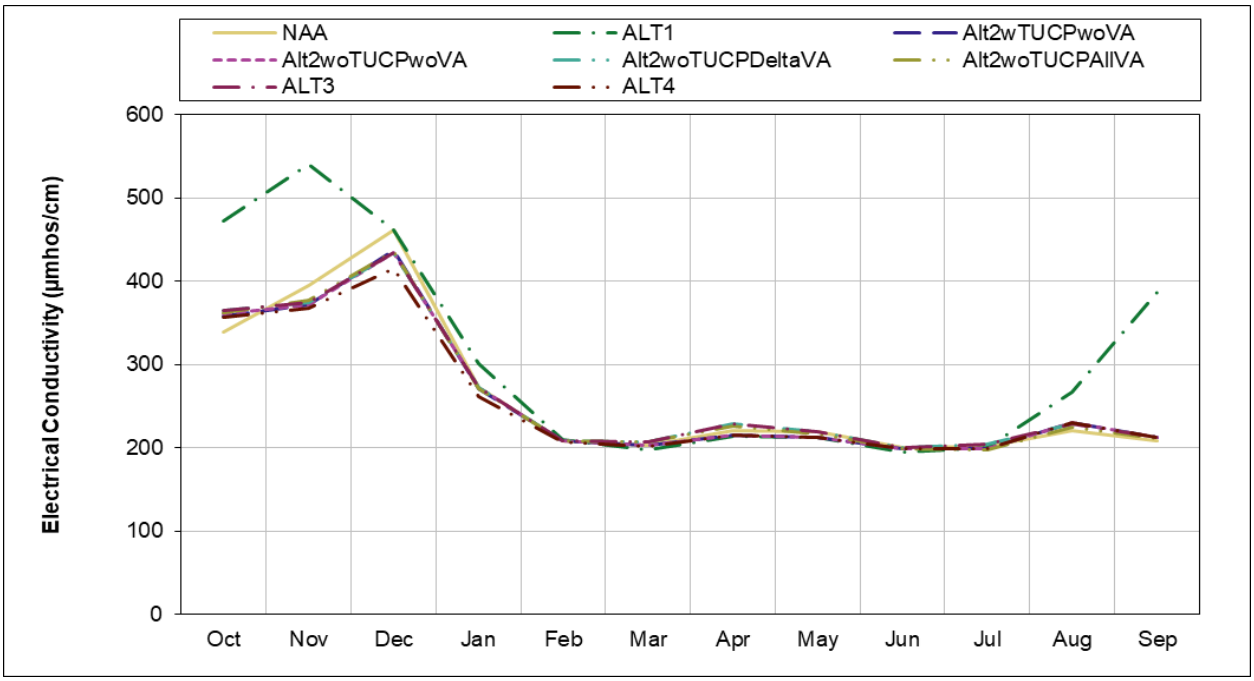

Figure G.1-4-3. San Joaquin River at San Andreas Landing, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

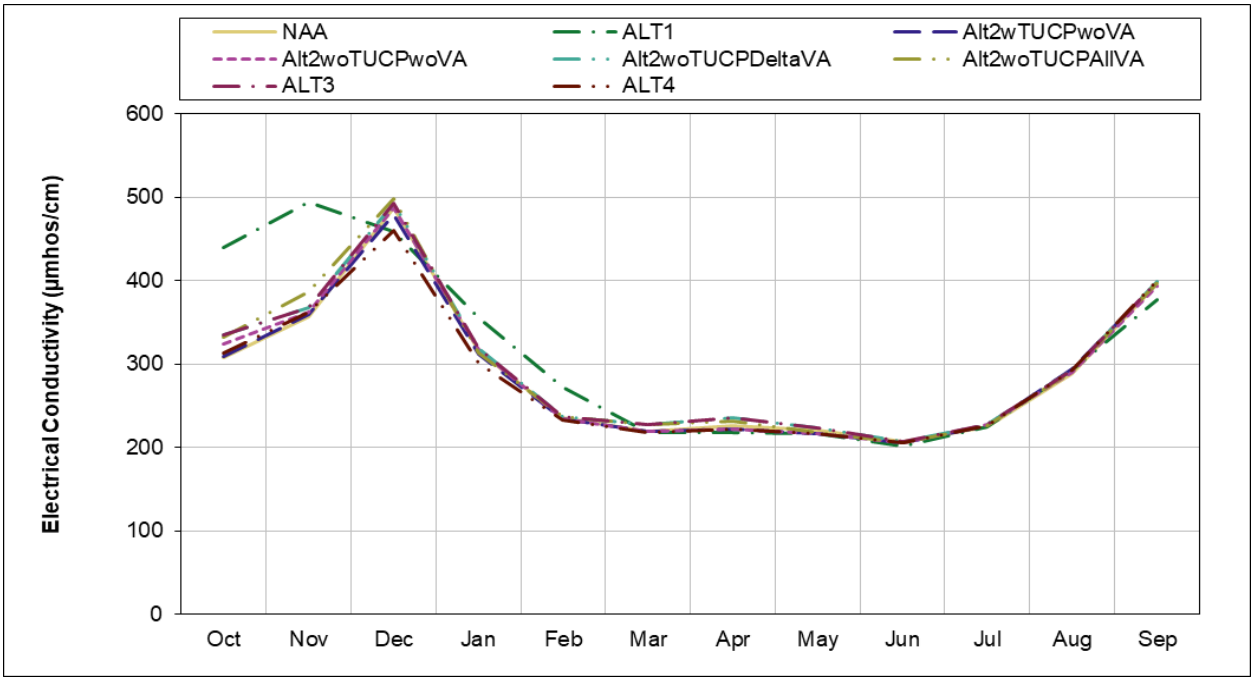

Figure G.1-4-4. San Joaquin River at San Andreas Landing, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

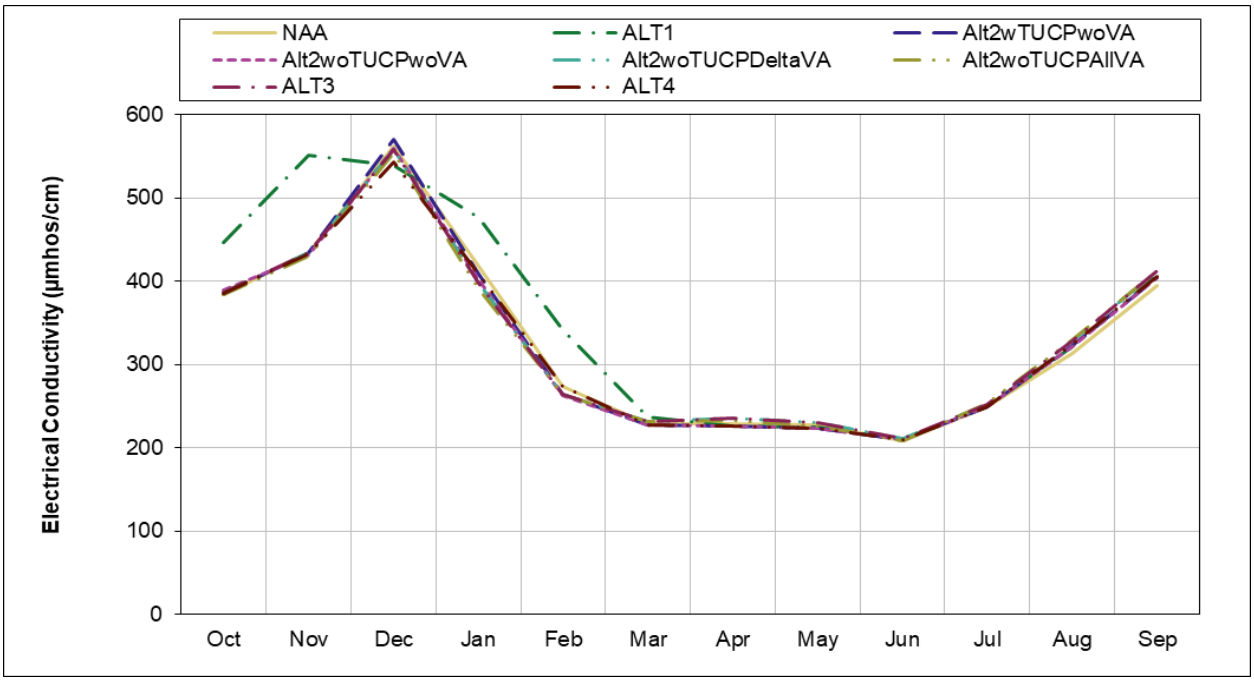

Figure G.1-4-5. San Joaquin River at San Andreas Landing, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

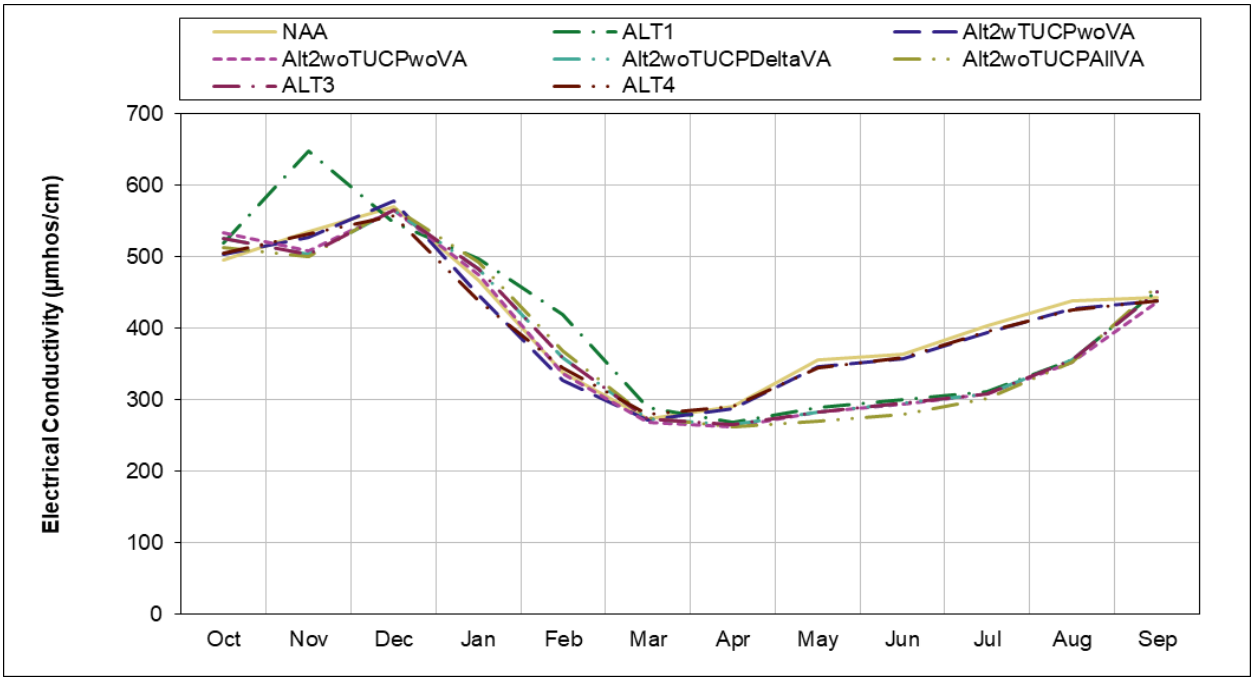

Figure G.1-4-6. San Joaquin River at San Andreas Landing, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

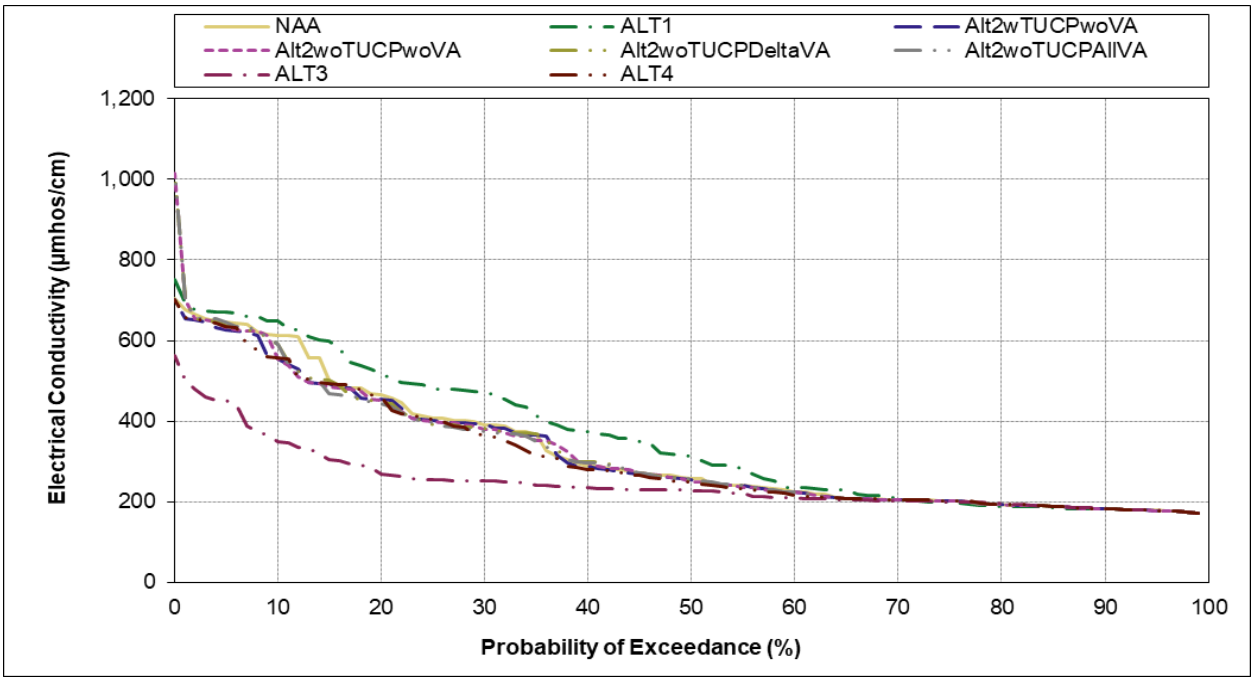

Figure G.1-4-7. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), January

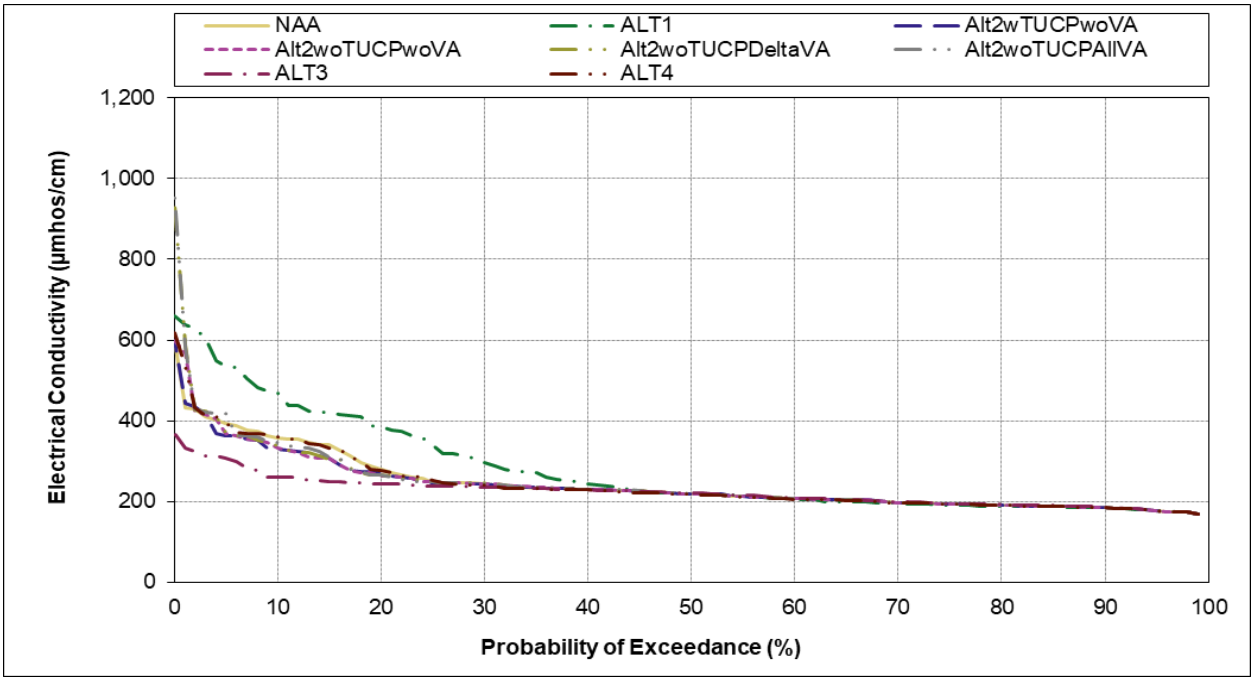

Figure G.1-4-8. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), February

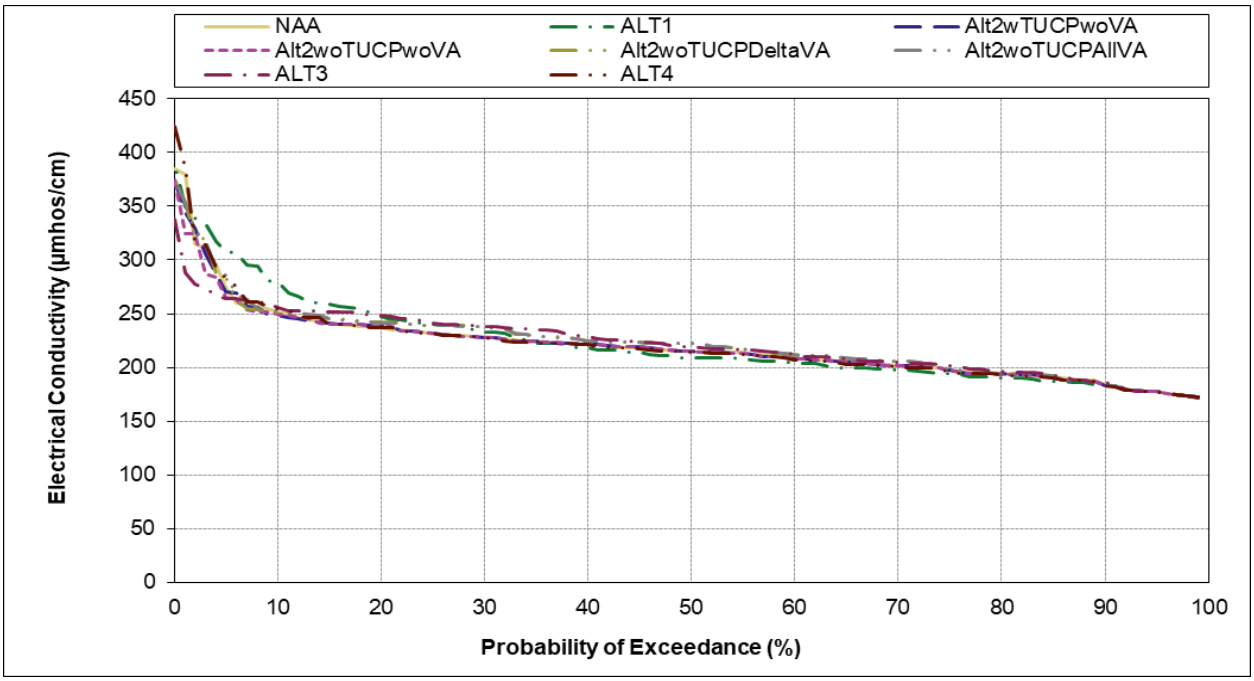

Figure G.1-4-9. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), March

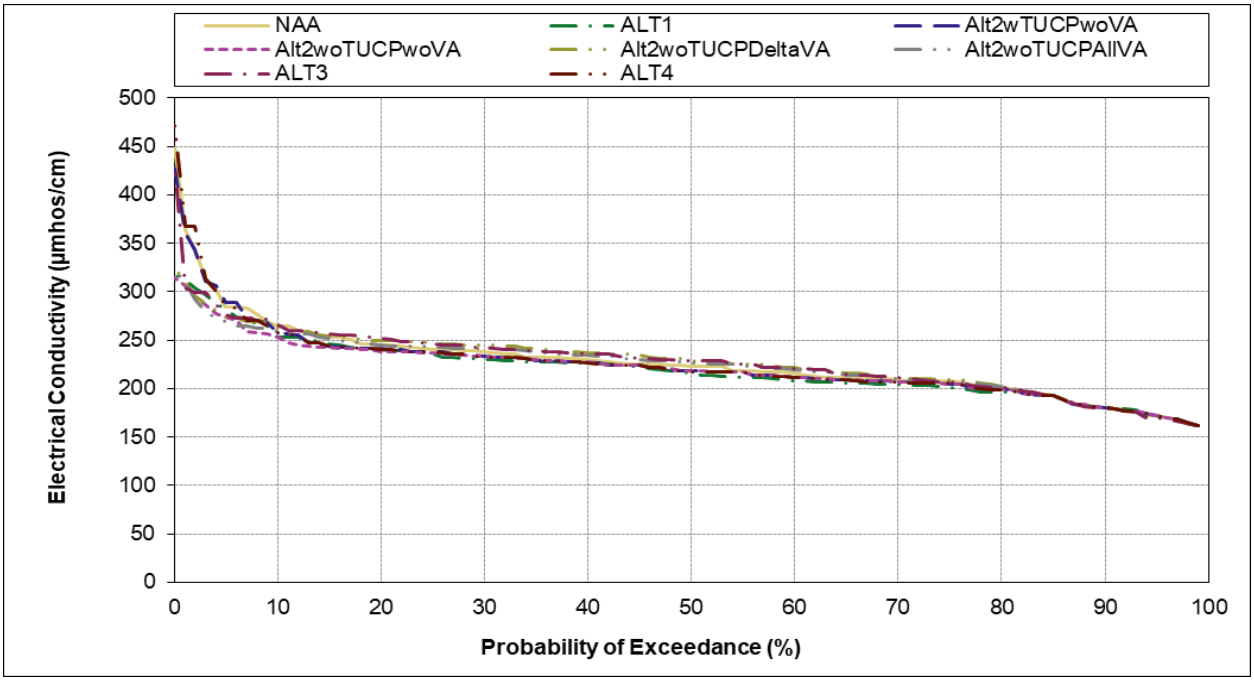

Figure G.1-4-10. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), April

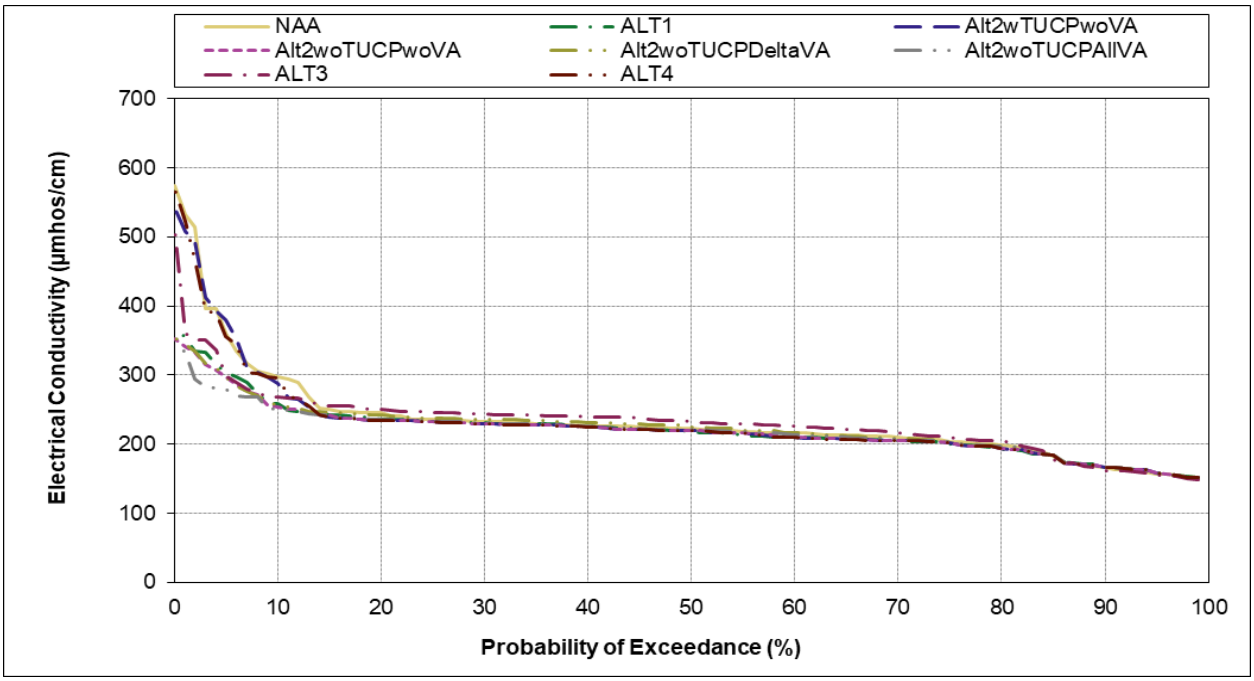

Figure G.1-4-11. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), May

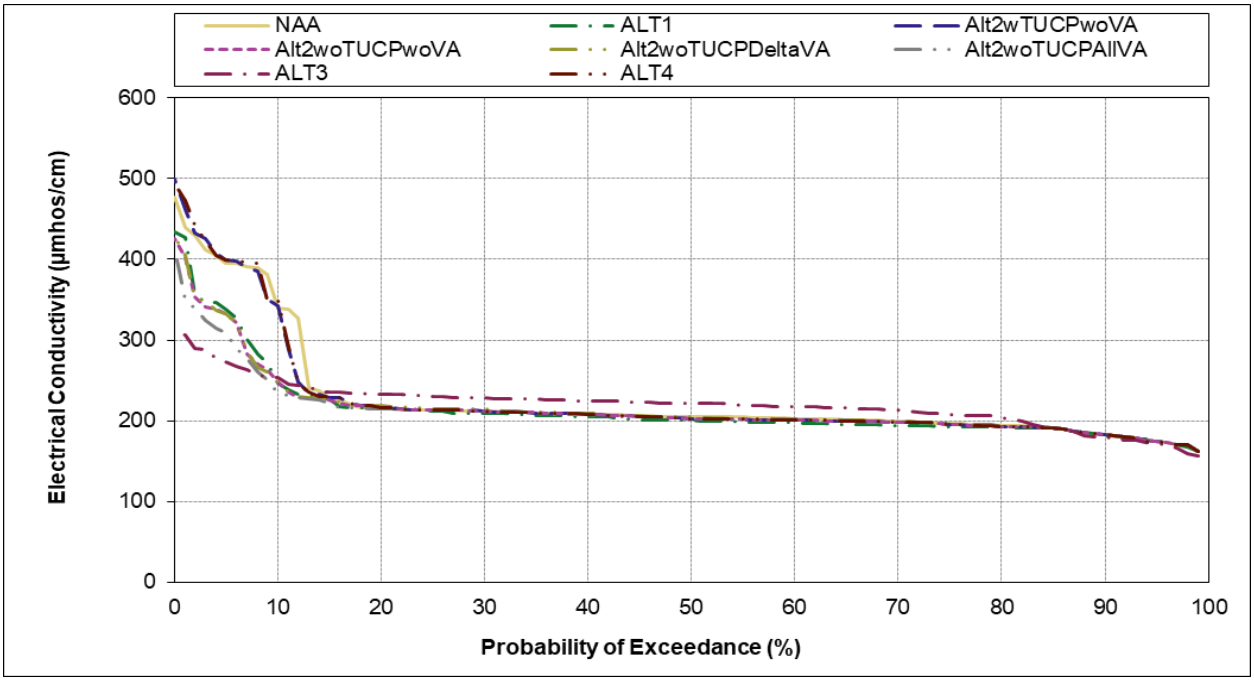

Figure G.1-4-12. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), June

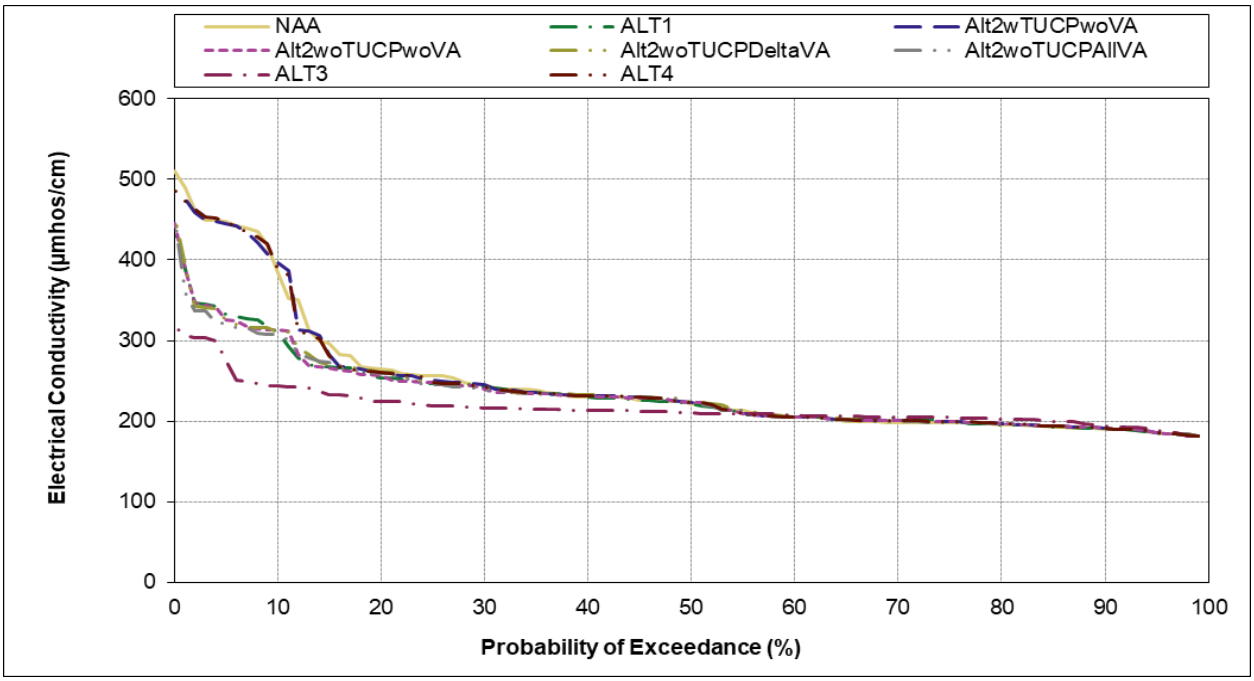

Figure G.1-4-13. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), July

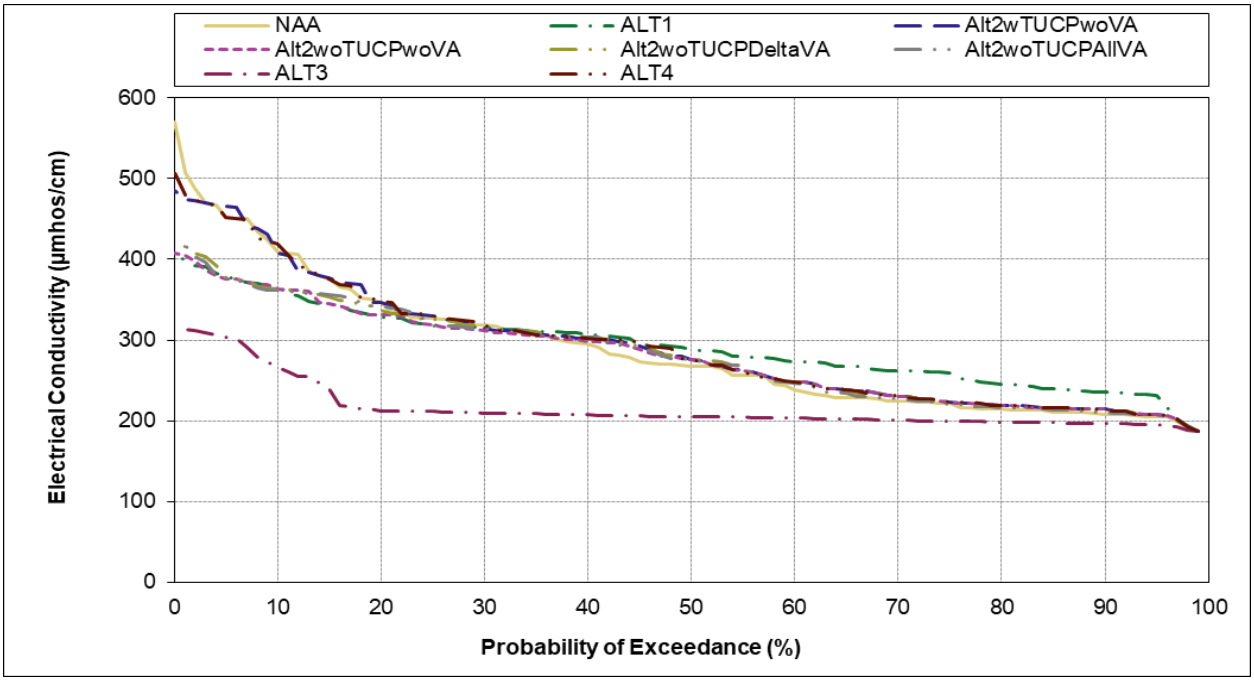

Figure G.1-4-14. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), August

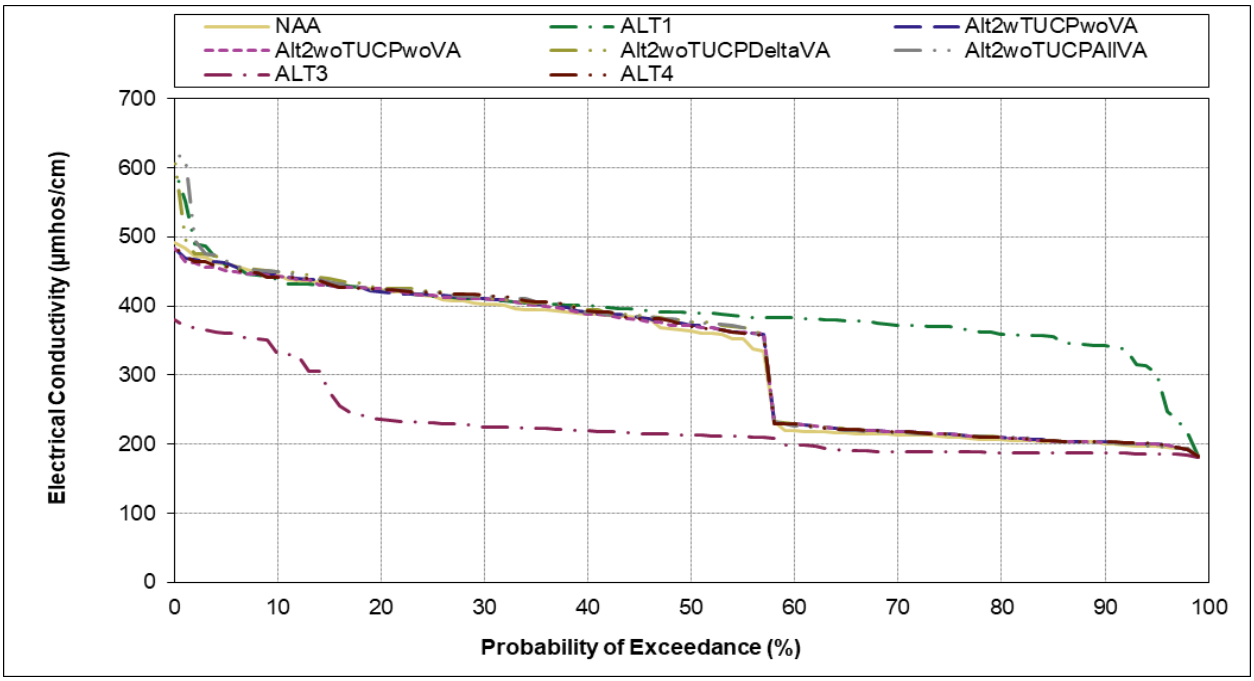

Figure G.1-4-15. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), September

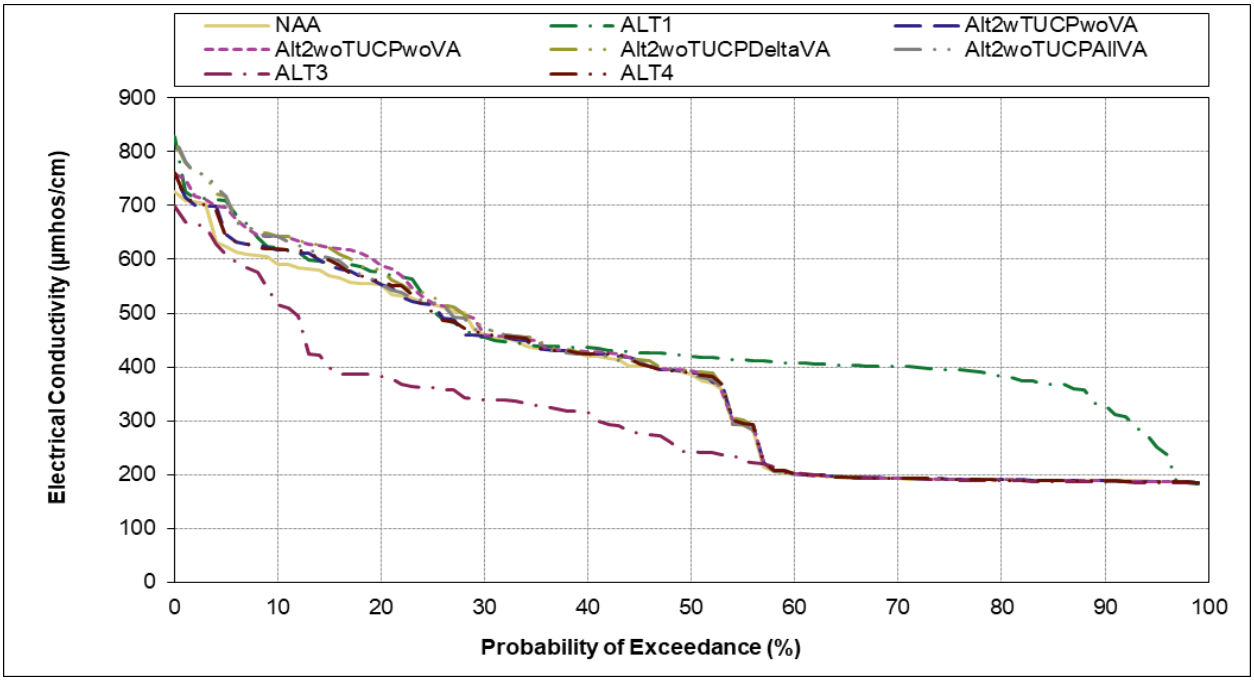

Figure G.1-4-16. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), October

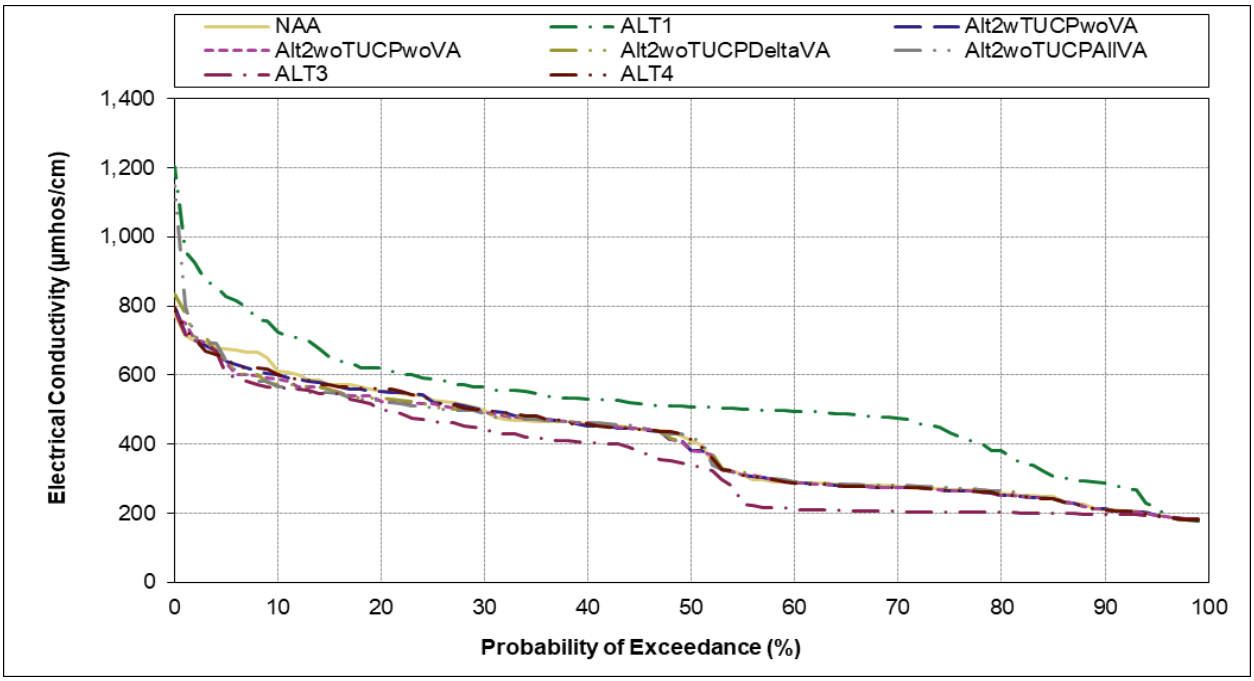

Figure G.1-4-17. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), November

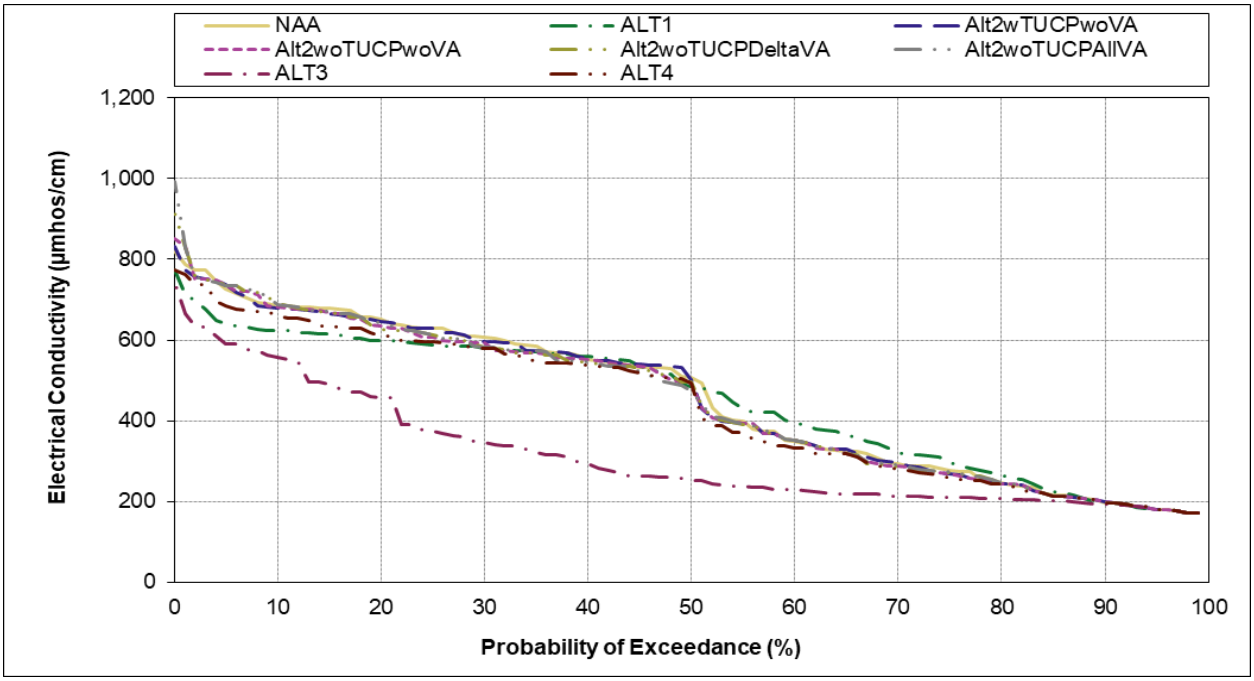

Figure G.1-4-18. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), December

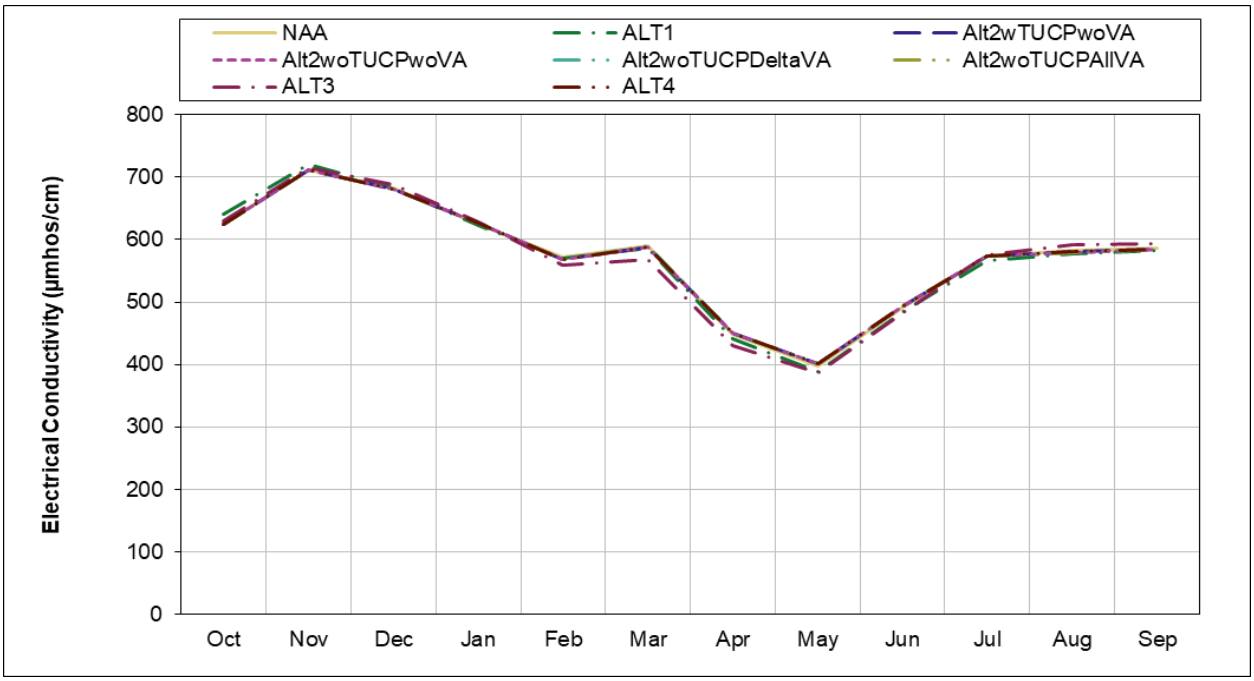

Figure G.1-5-1. San Joaquin River at Vernalis, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)

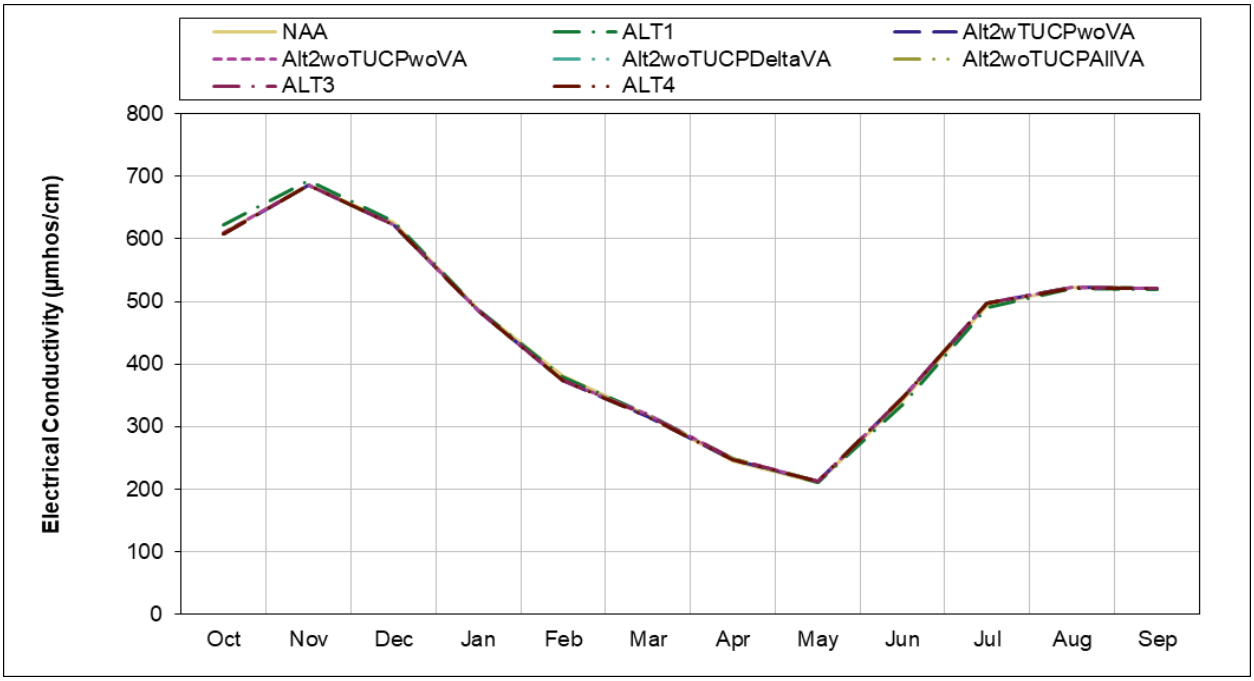

Figure G.1-5-2. San Joaquin River at Vernalis, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

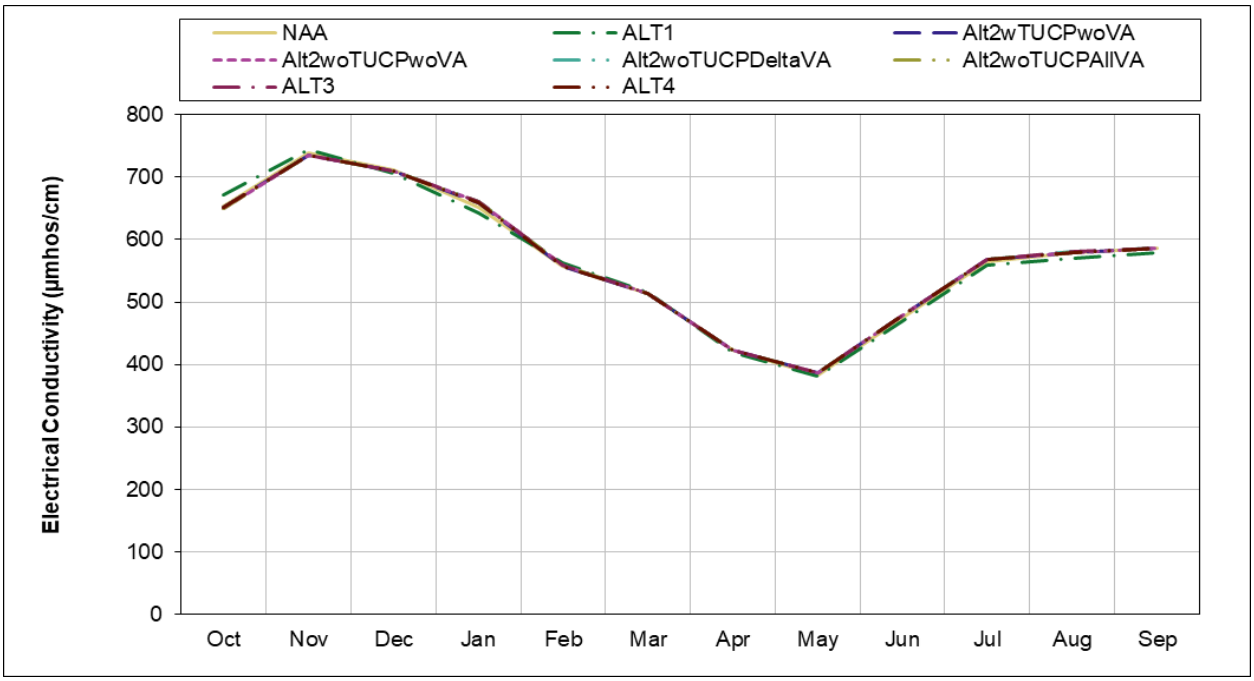

Figure G.1-5-3. San Joaquin River at Vernalis, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

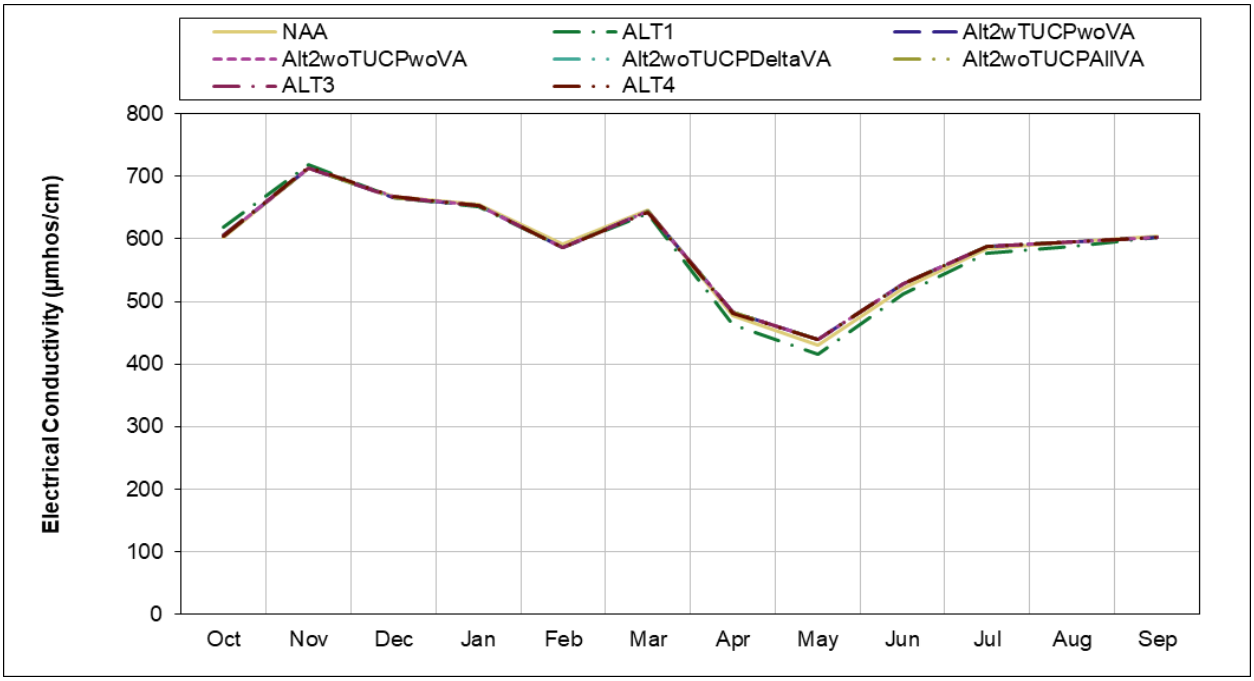

Figure G.1-5-4. San Joaquin River at Vernalis, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

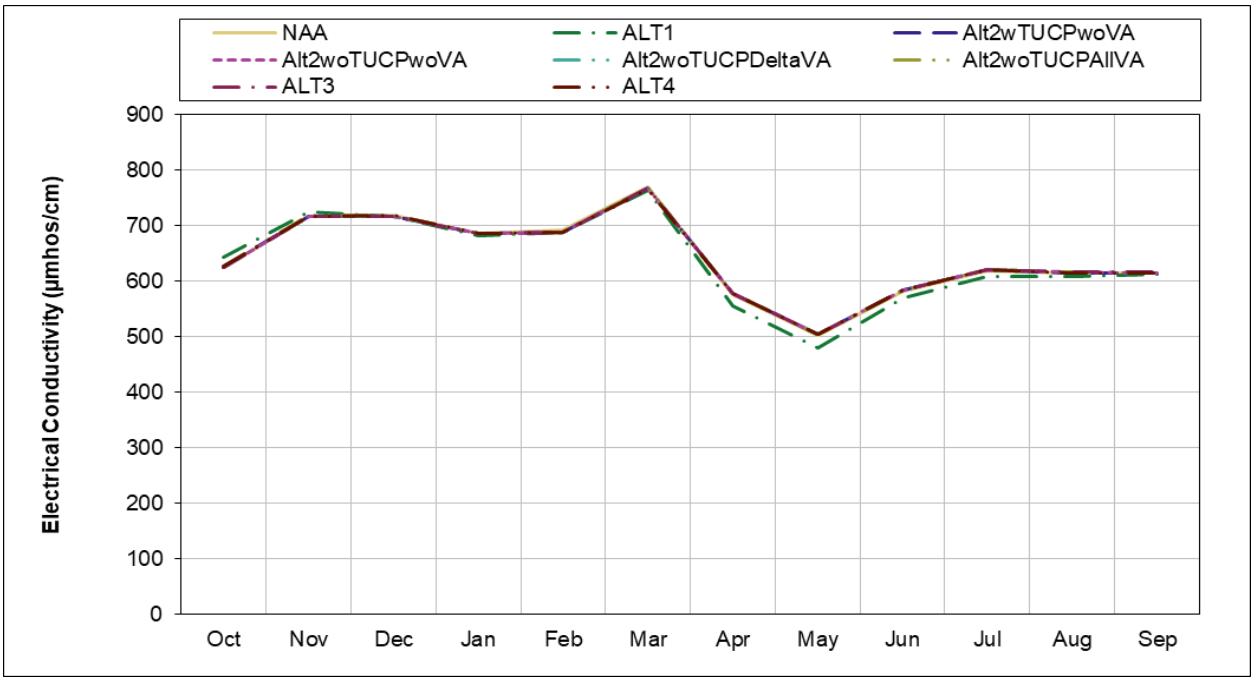

Figure G.1-5-5. San Joaquin River at Vernalis, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

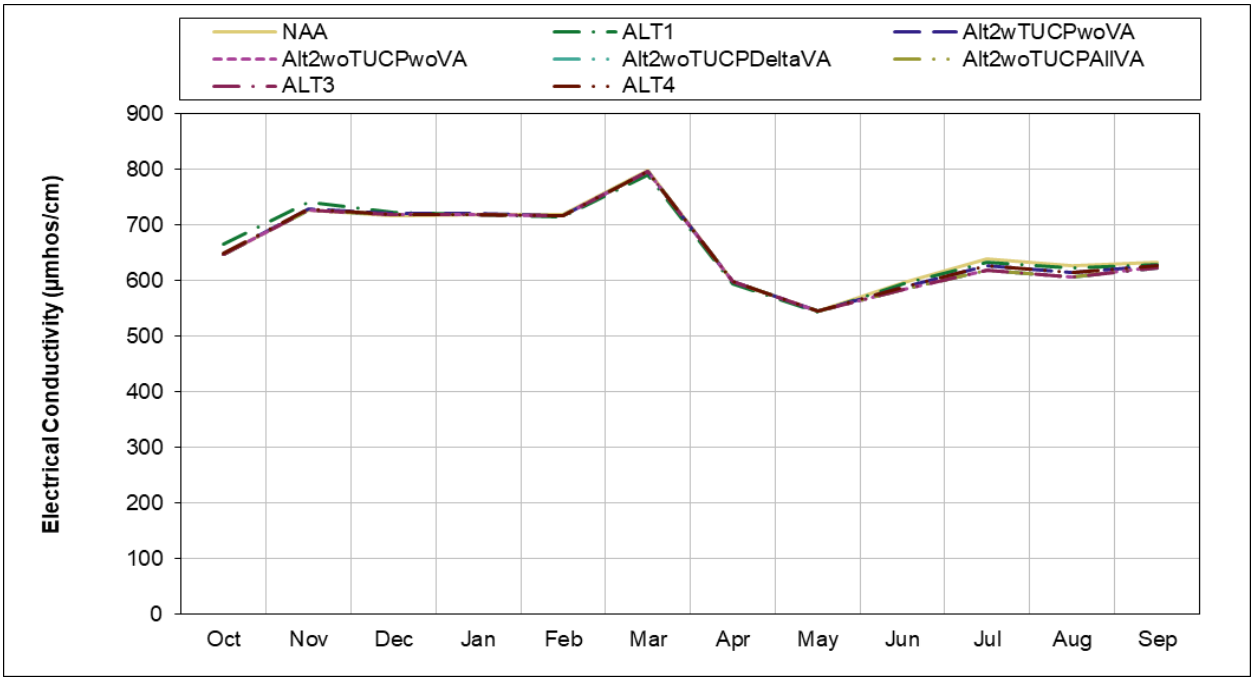

Figure G.1-5-6. San Joaquin River at Vernalis, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

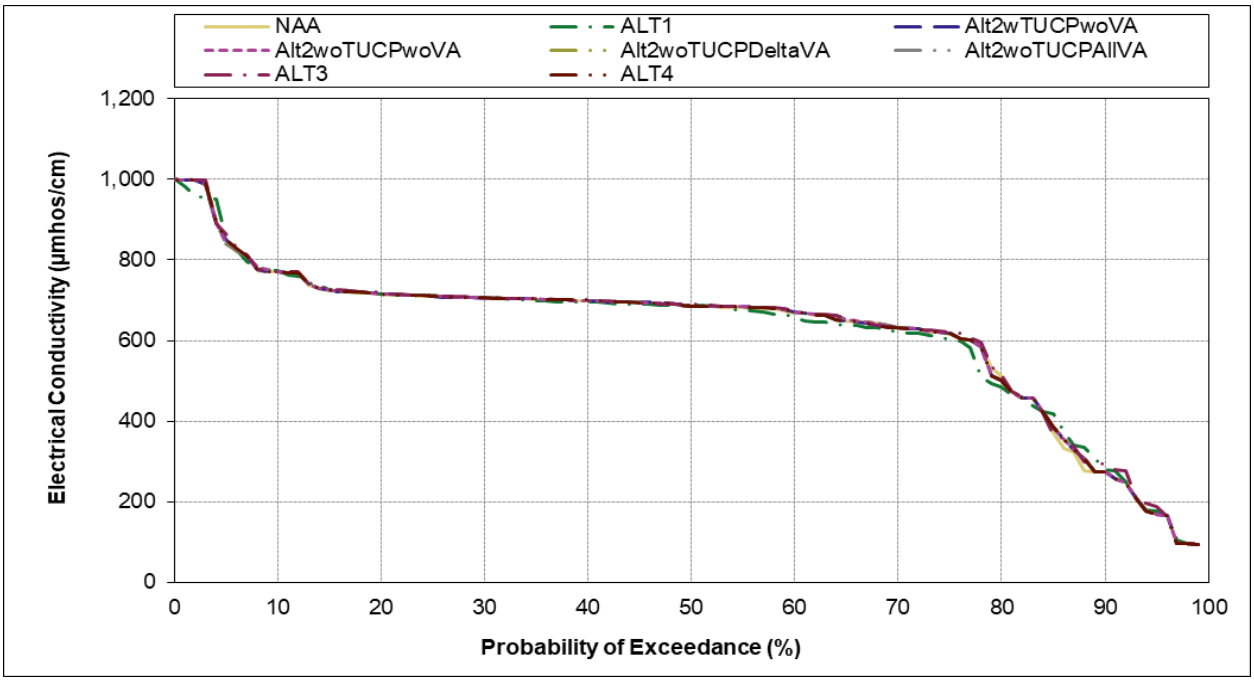

Figure G.1-5-7. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), January

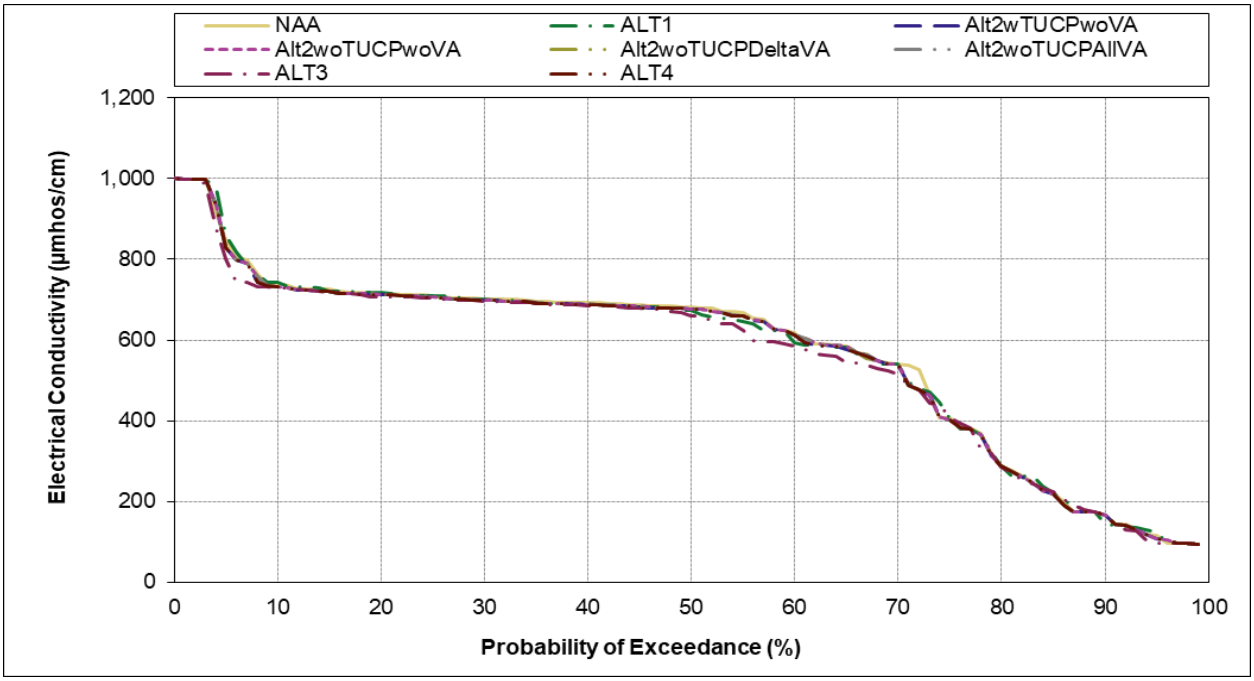

Figure G.1-5-8. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), February

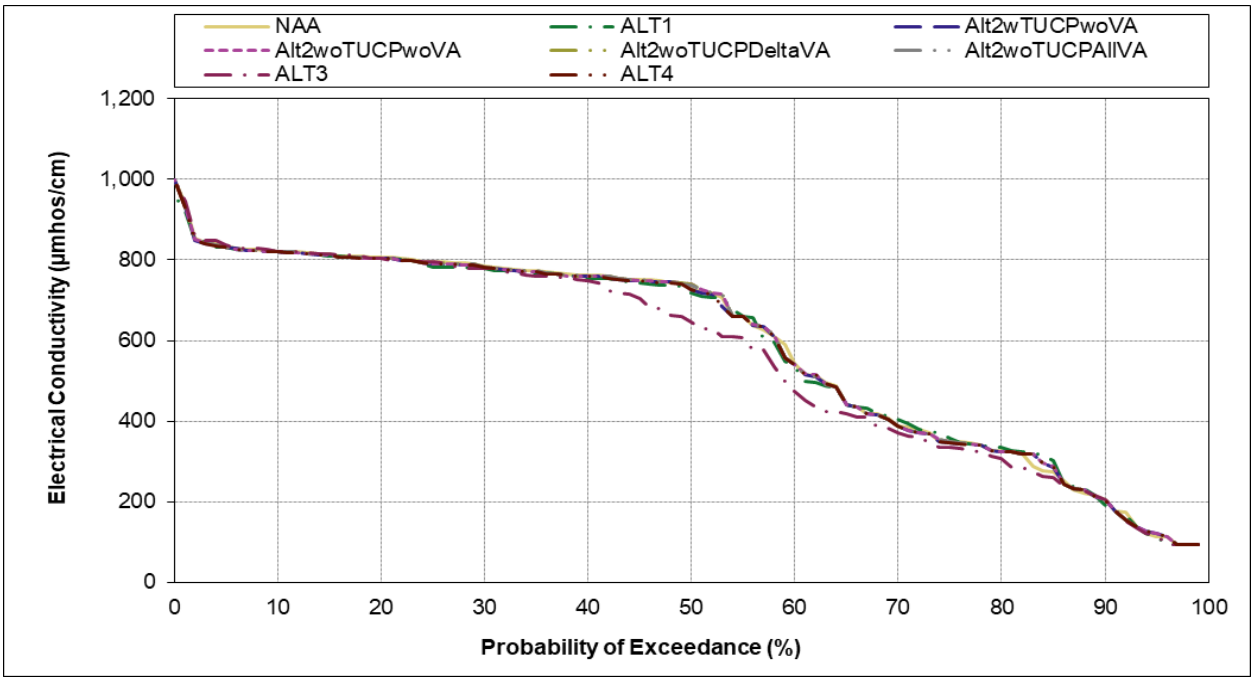

Figure G.1-5-9. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), March

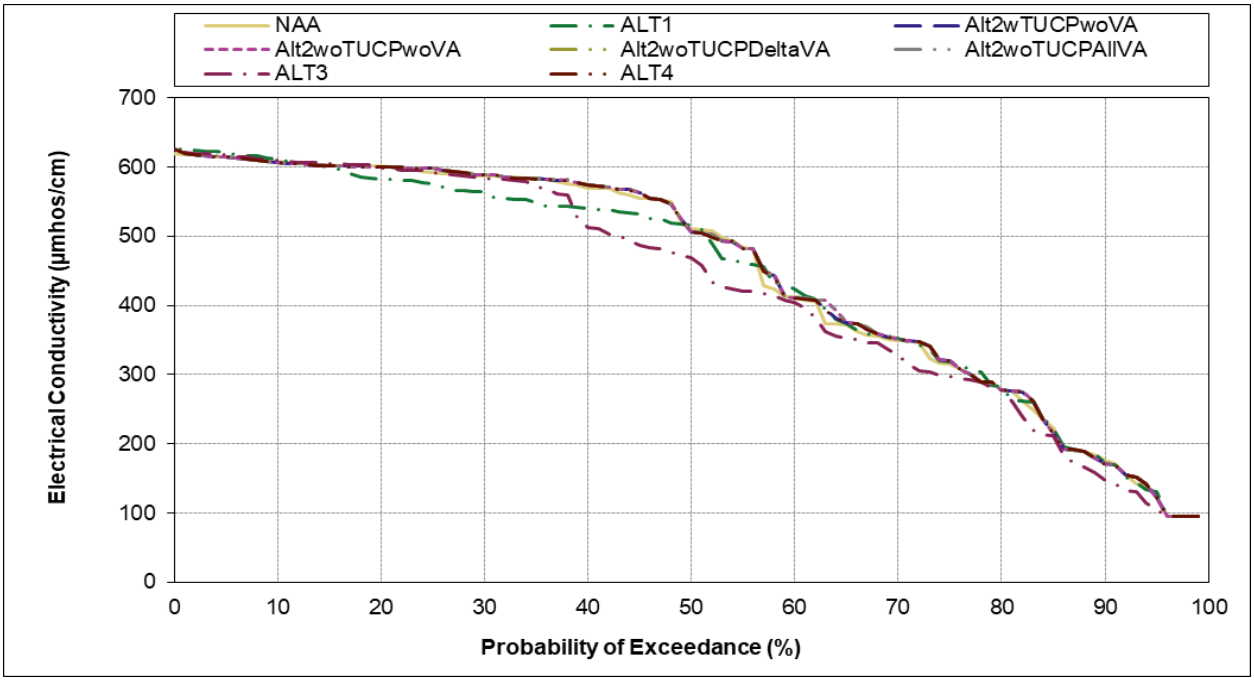

Figure G.1-5-10. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), April

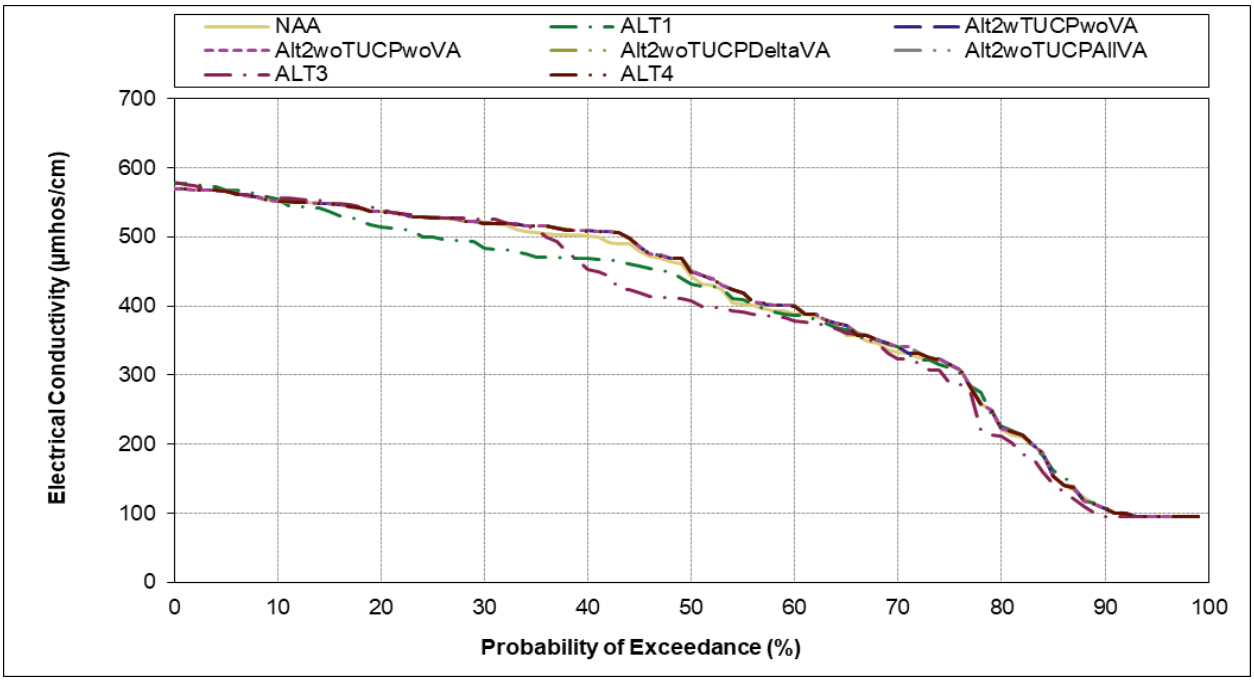

Figure G.1-5-11. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), May

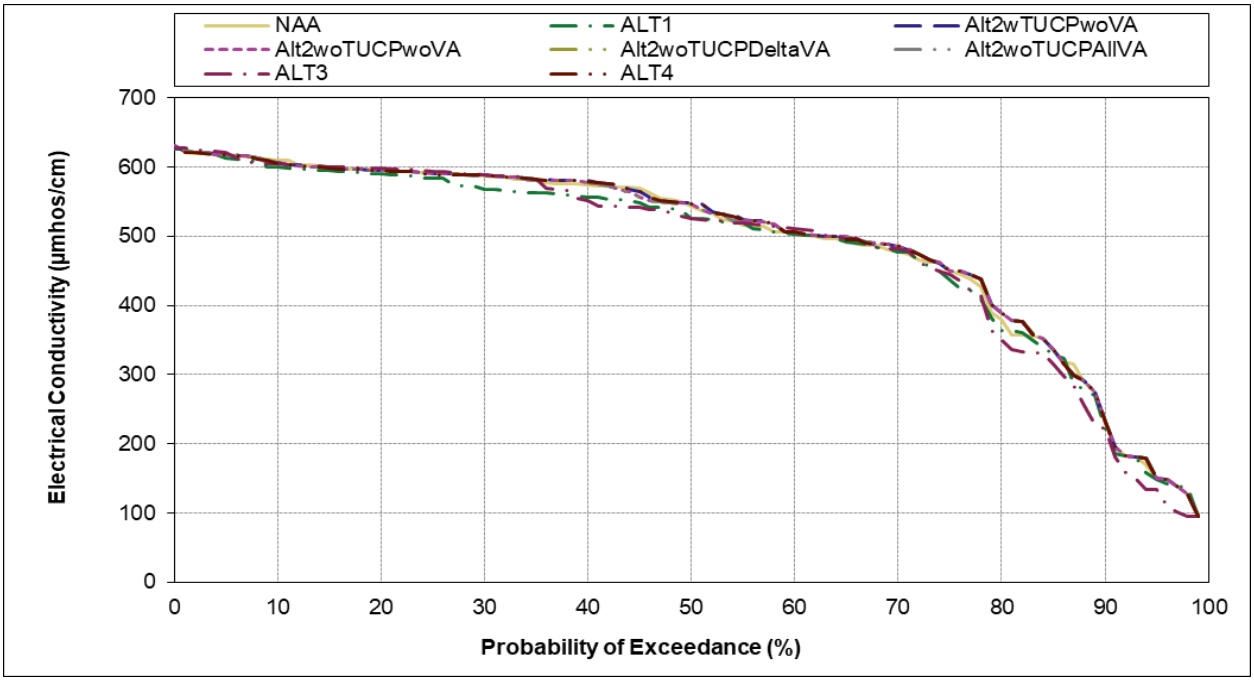

Figure G.1-5-12. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), June

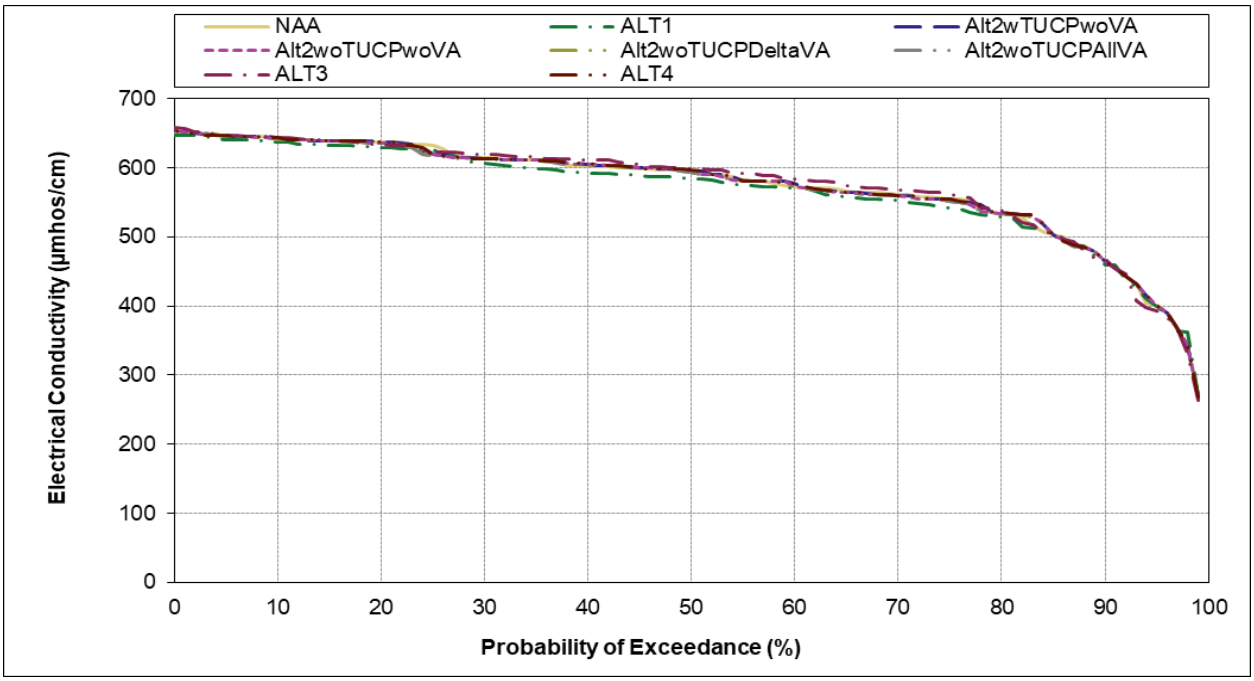

Figure G.1-5-13. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), July

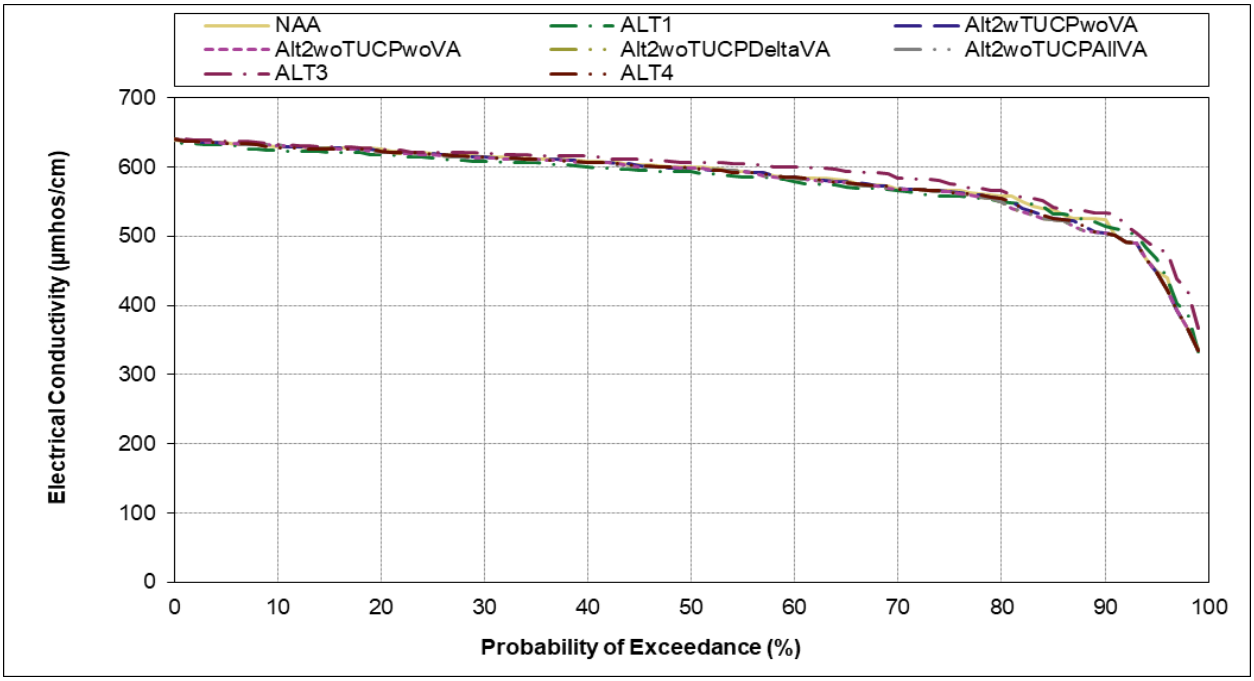

Figure G.1-5-14. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), August

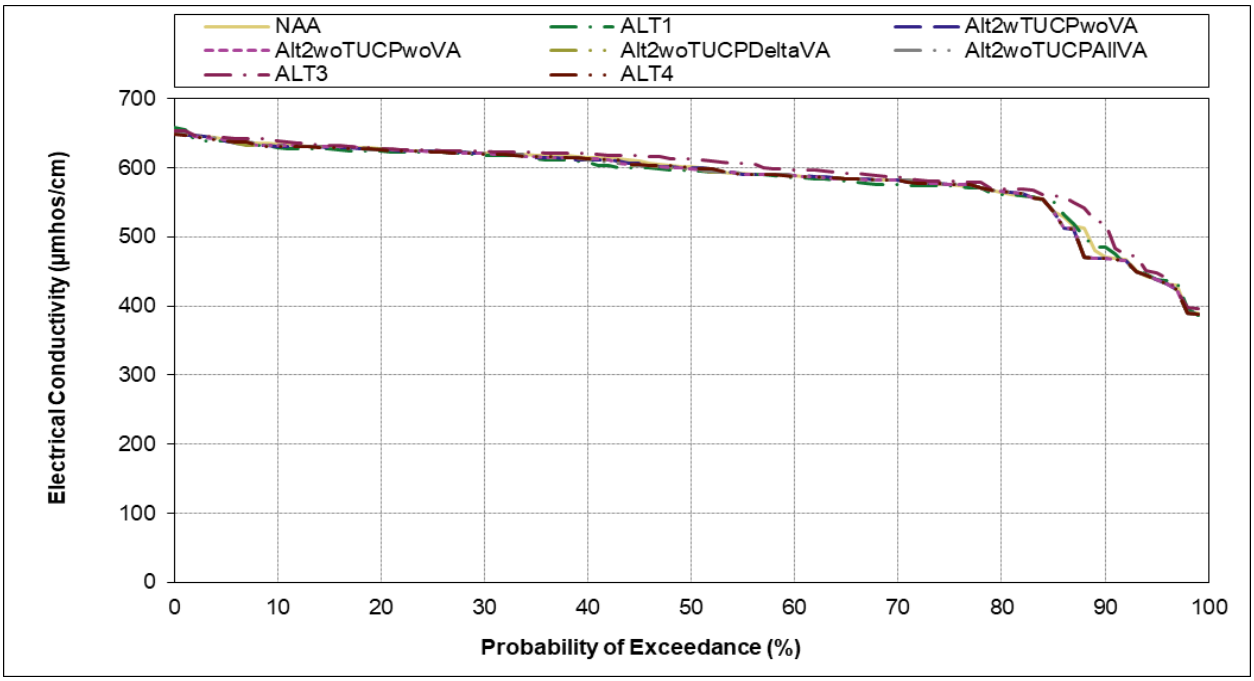

Figure G.1-5-15. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), September

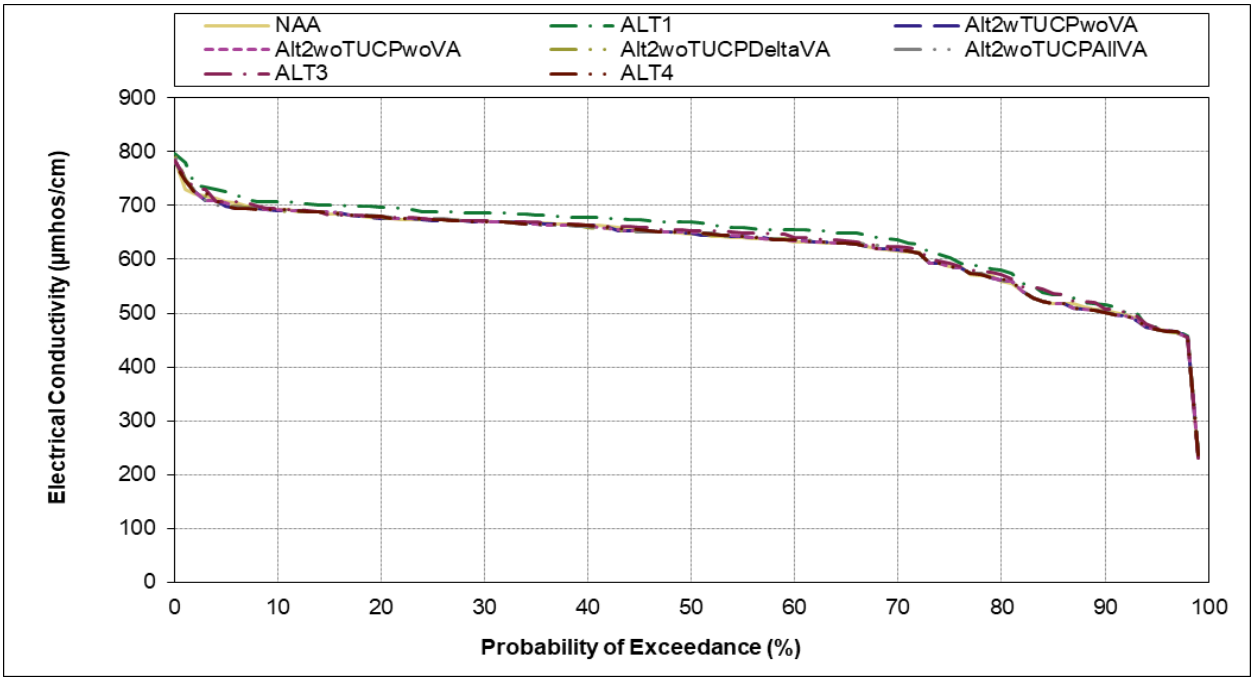

Figure G.1-5-16. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), October

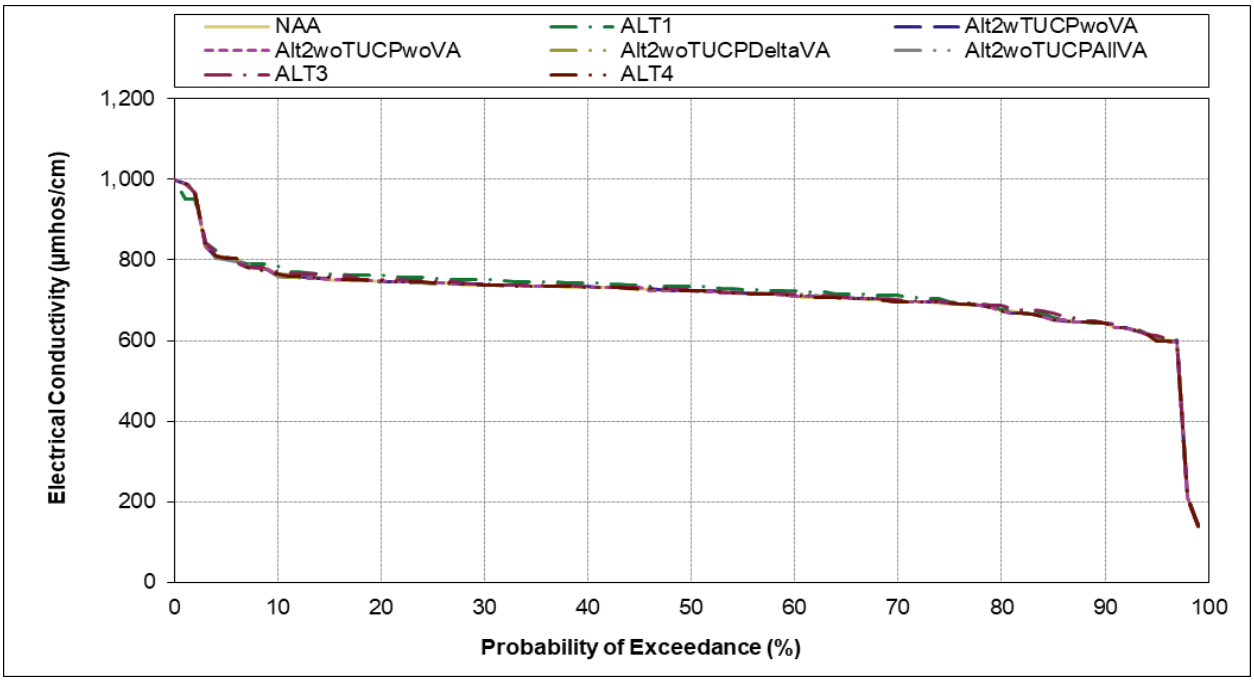

Figure G.1-5-17. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), November

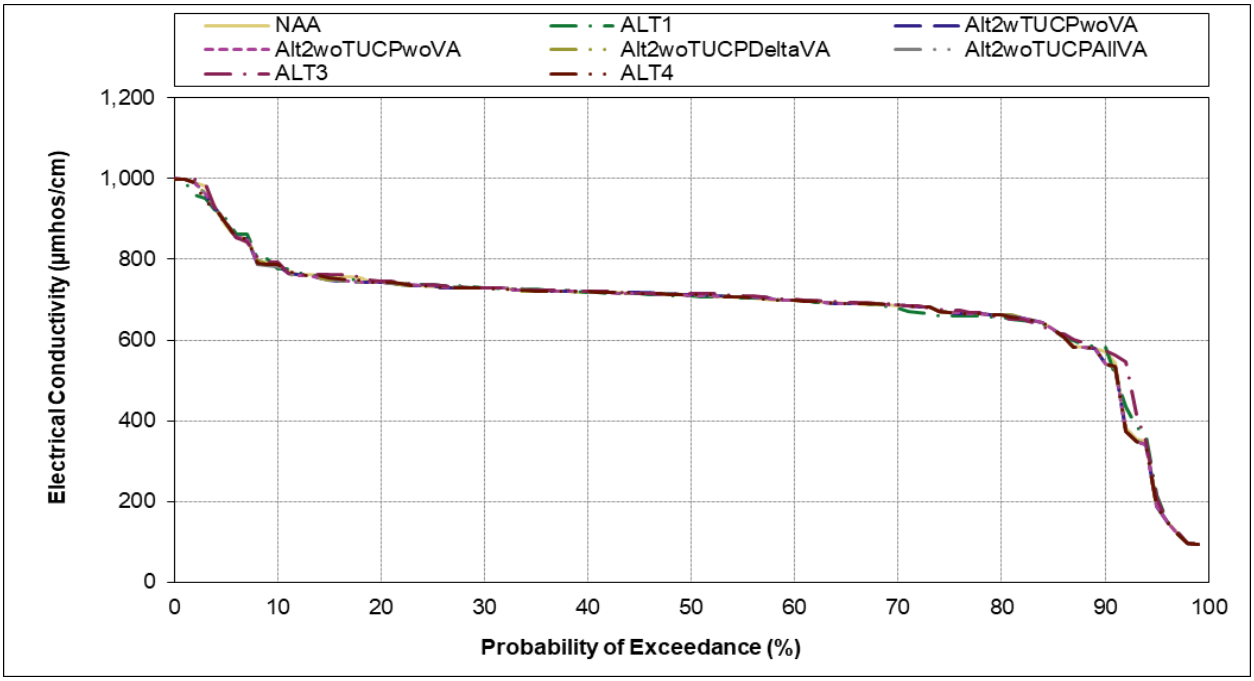

Figure G.1-5-18. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), December

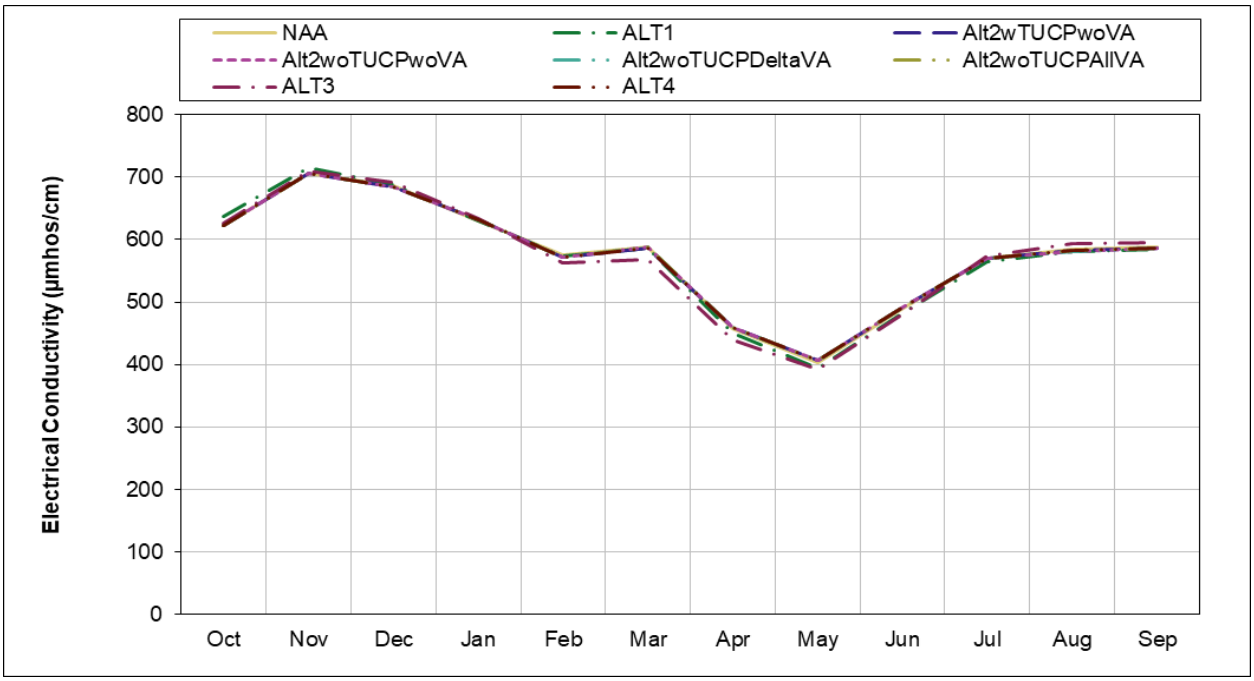

Figure G.1-6-1. San Joaquin River at Brandt Bridge, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)

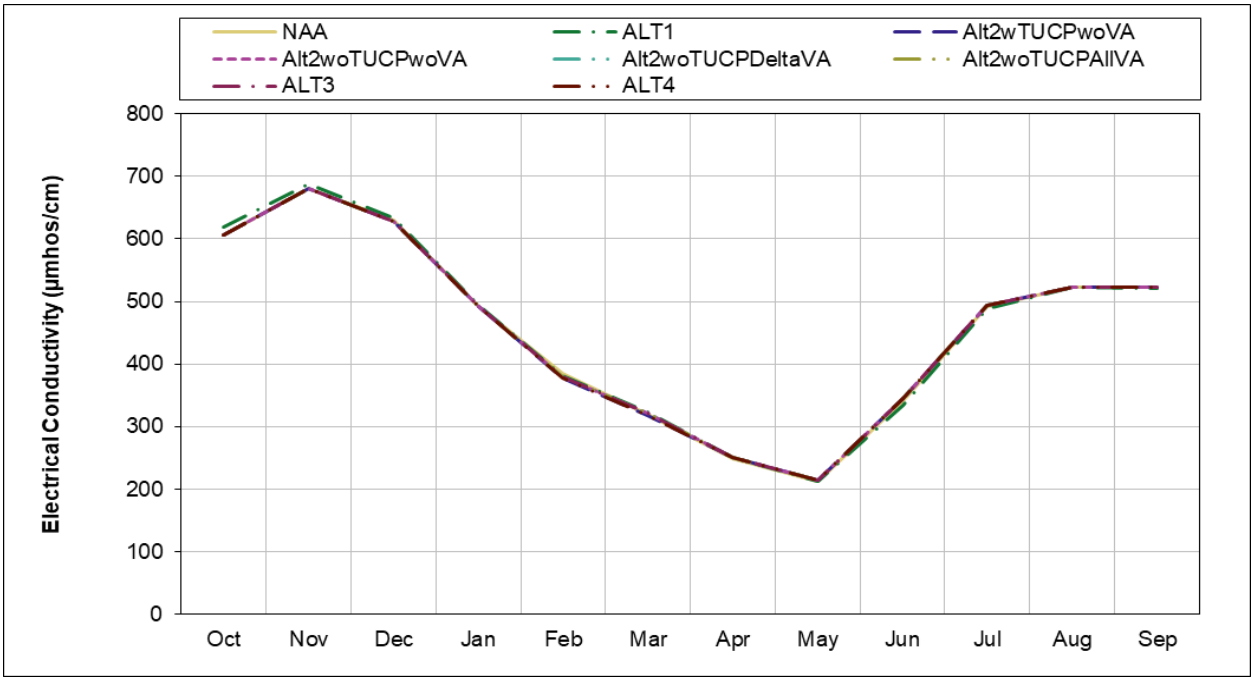

Figure G.1-6-2. San Joaquin River at Brandt Bridge, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

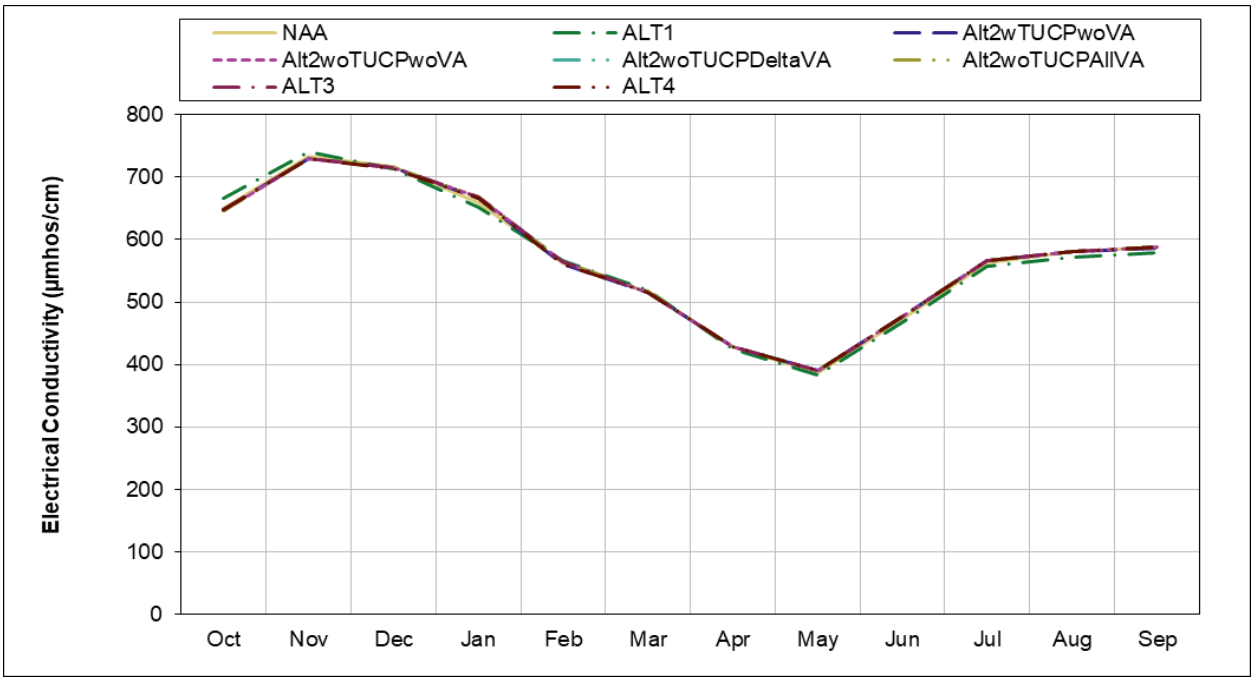

Figure G.1-6-3. San Joaquin River at Brandt Bridge, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

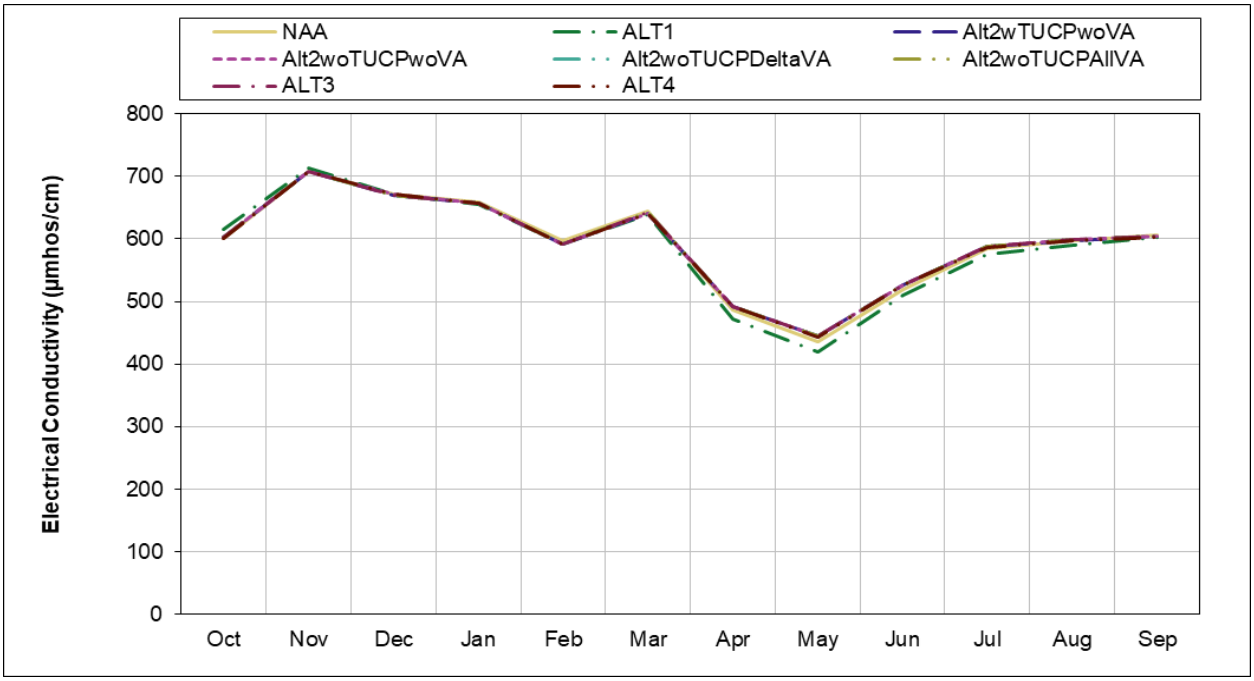

Figure G.1-6-4. San Joaquin River at Brandt Bridge, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

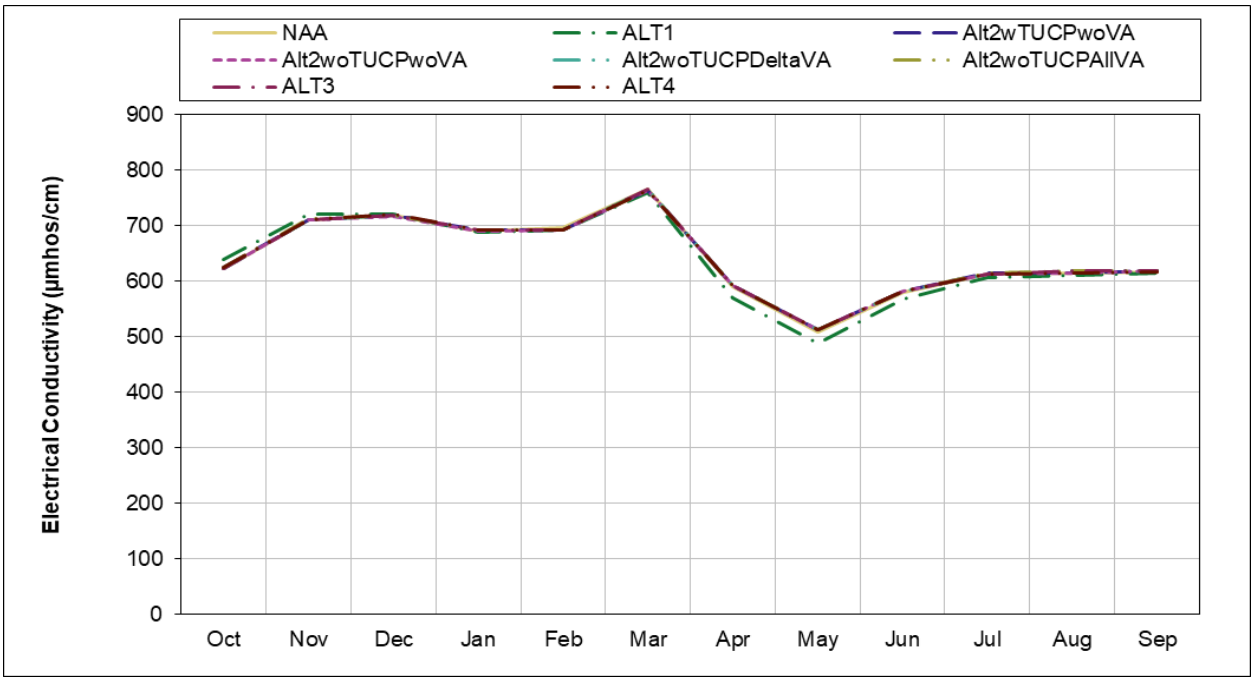

Figure G.1-6-5. San Joaquin River at Brandt Bridge, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

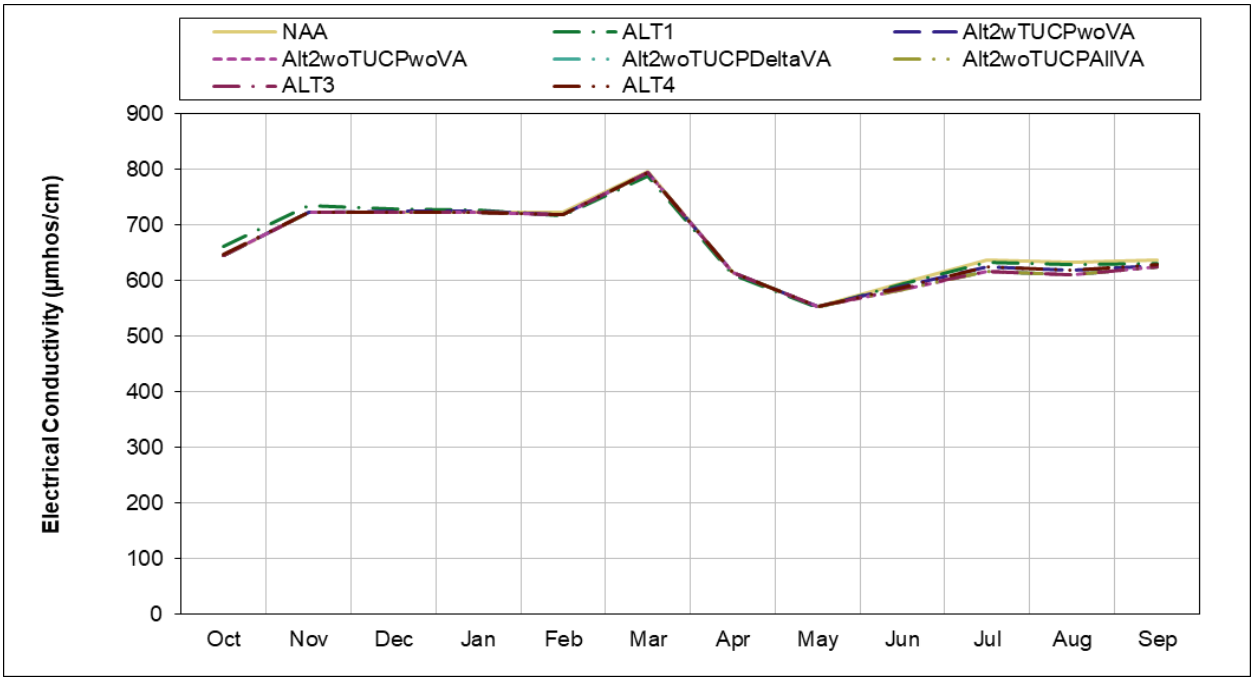

Figure G.1-6-6. San Joaquin River at Brandt Bridge, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

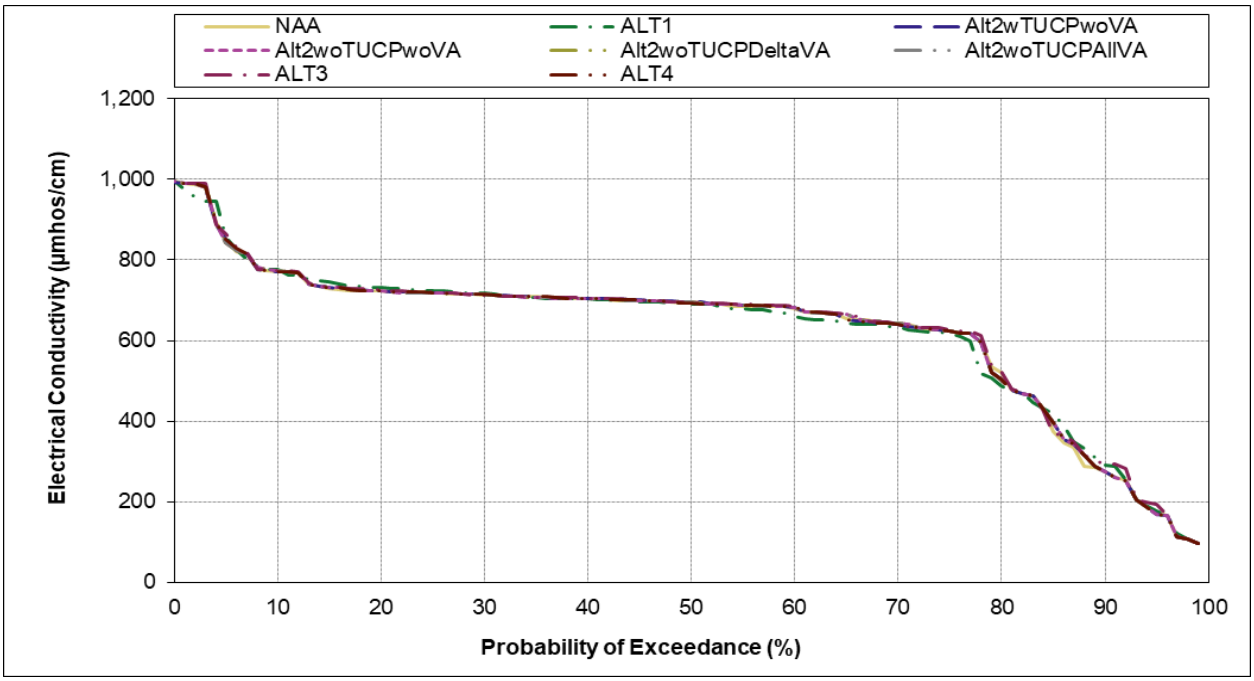

Figure G.1-6-7. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), January

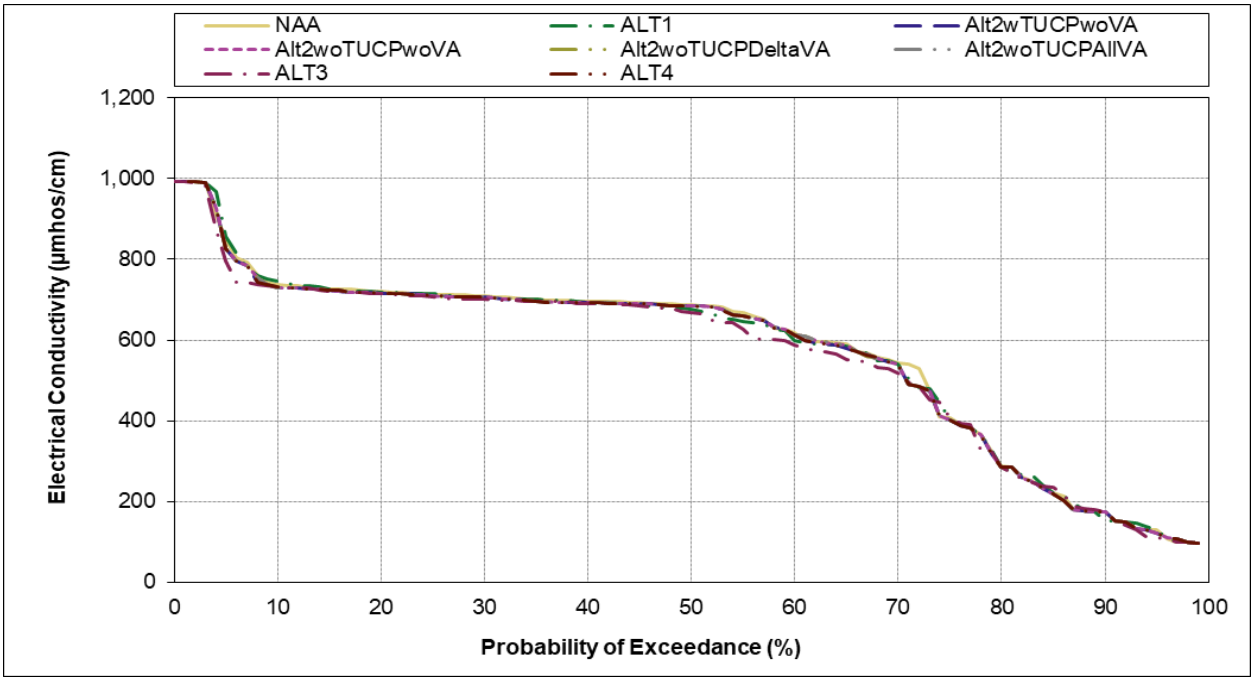

Figure G.1-6-8. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), February

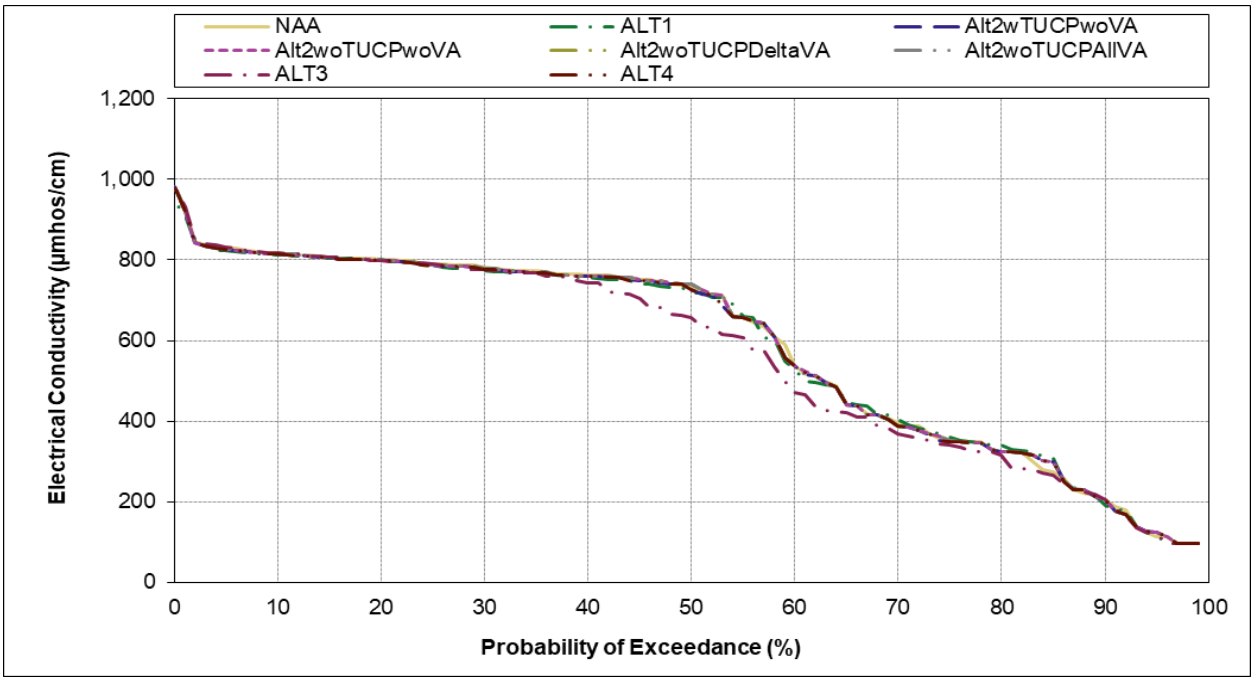

Figure G.1-6-9. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), March

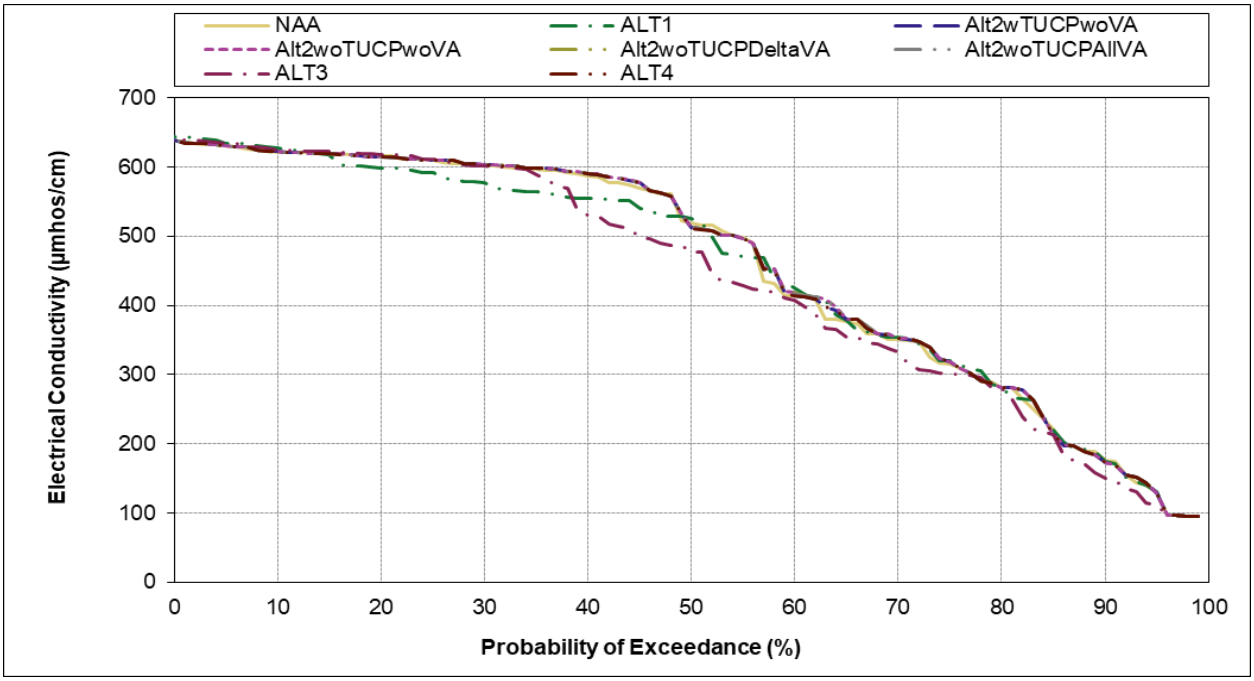

Figure G.1-6-10. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), April

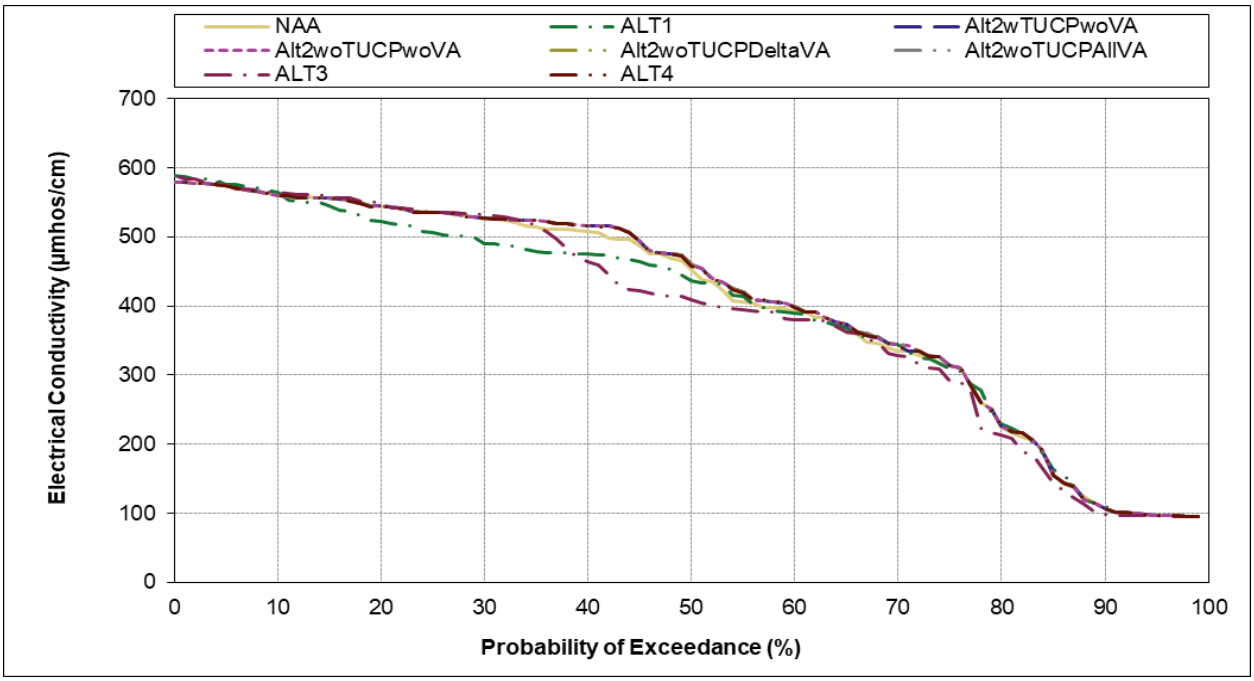

Figure G.1-6-11. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), May

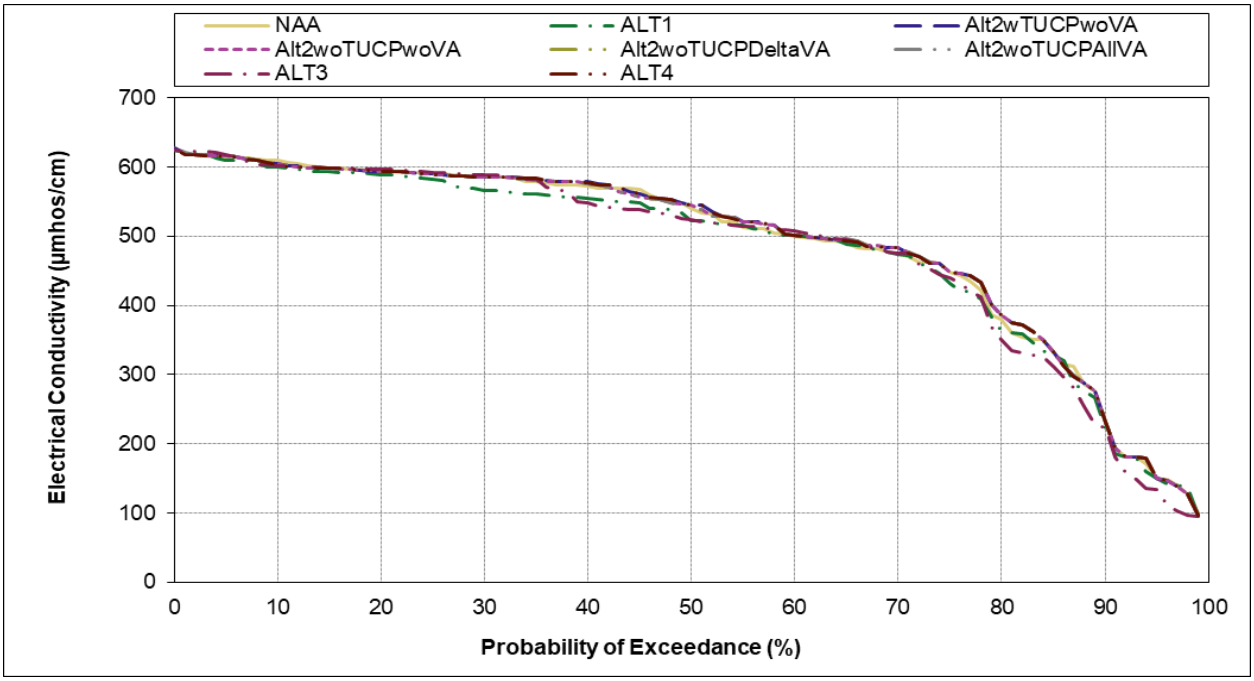

Figure G.1-6-12. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), June

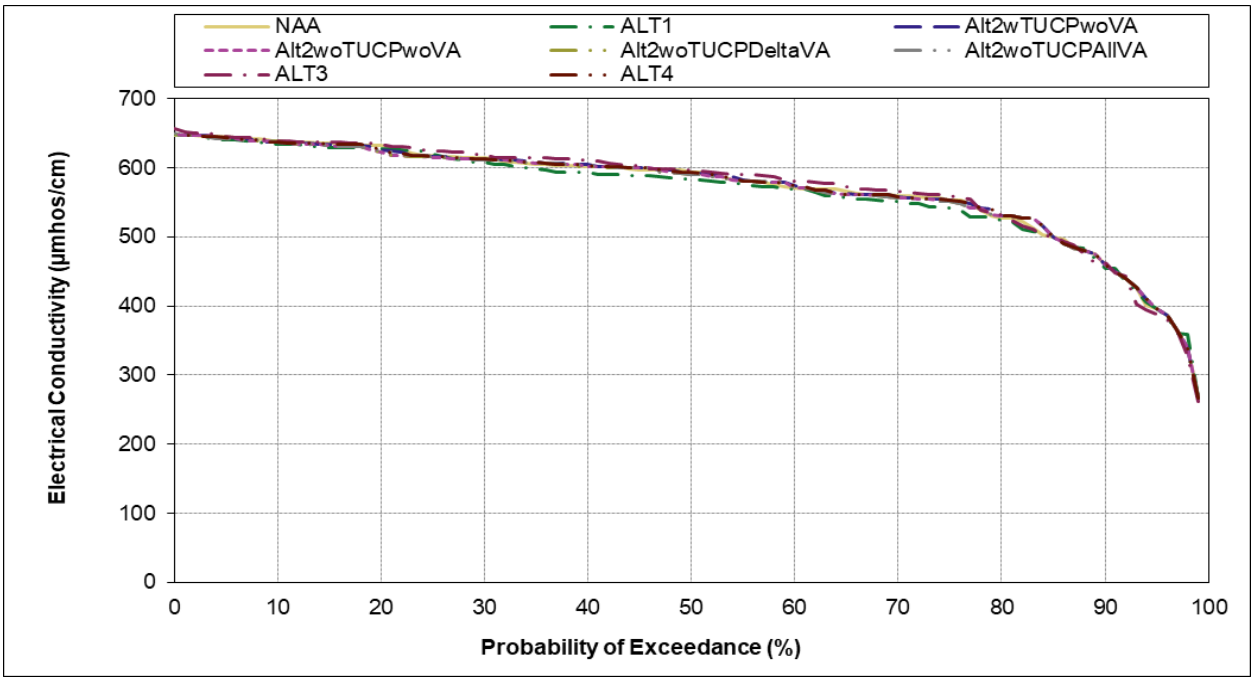

Figure G.1-6-13. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), July

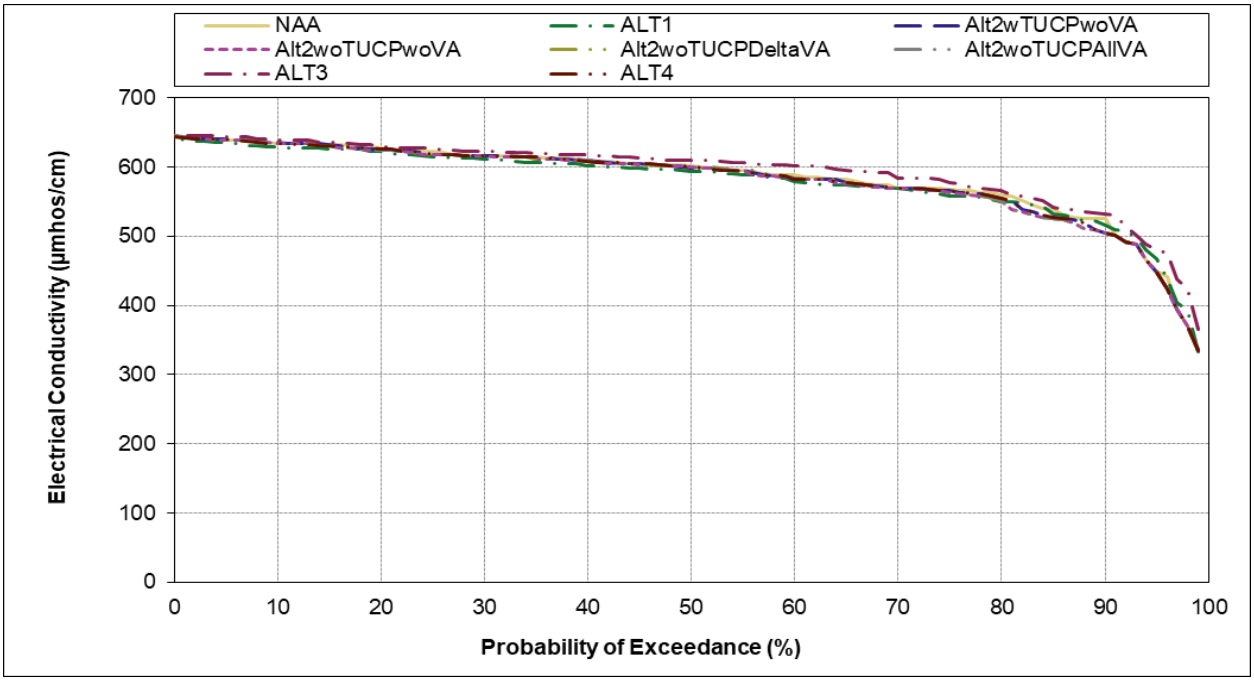

Figure G.1-6-14. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), August

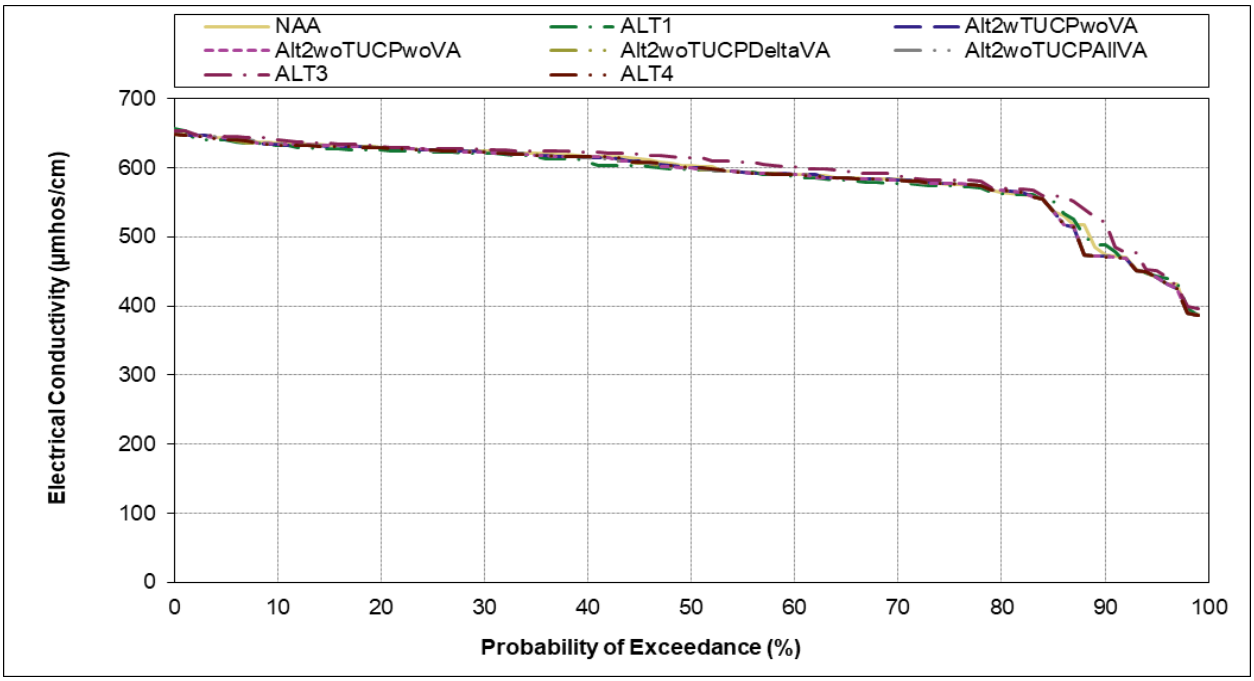

Figure G.1-6-15. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), September

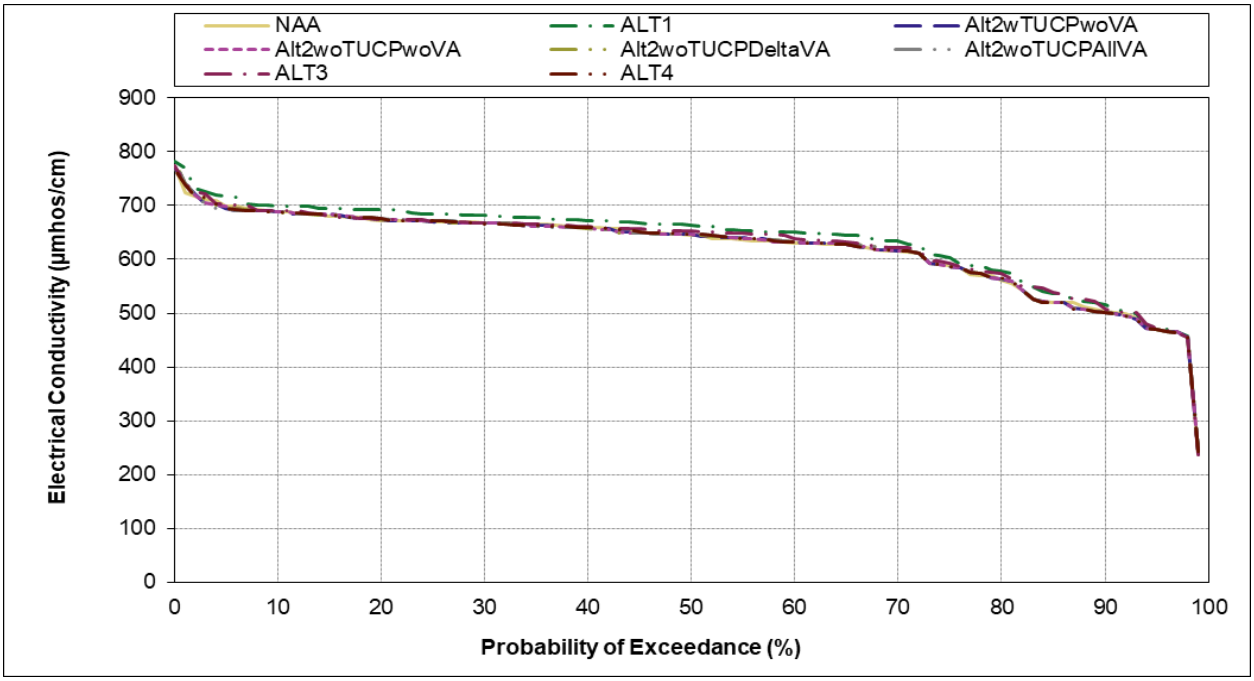

Figure G.1-6-16. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), October

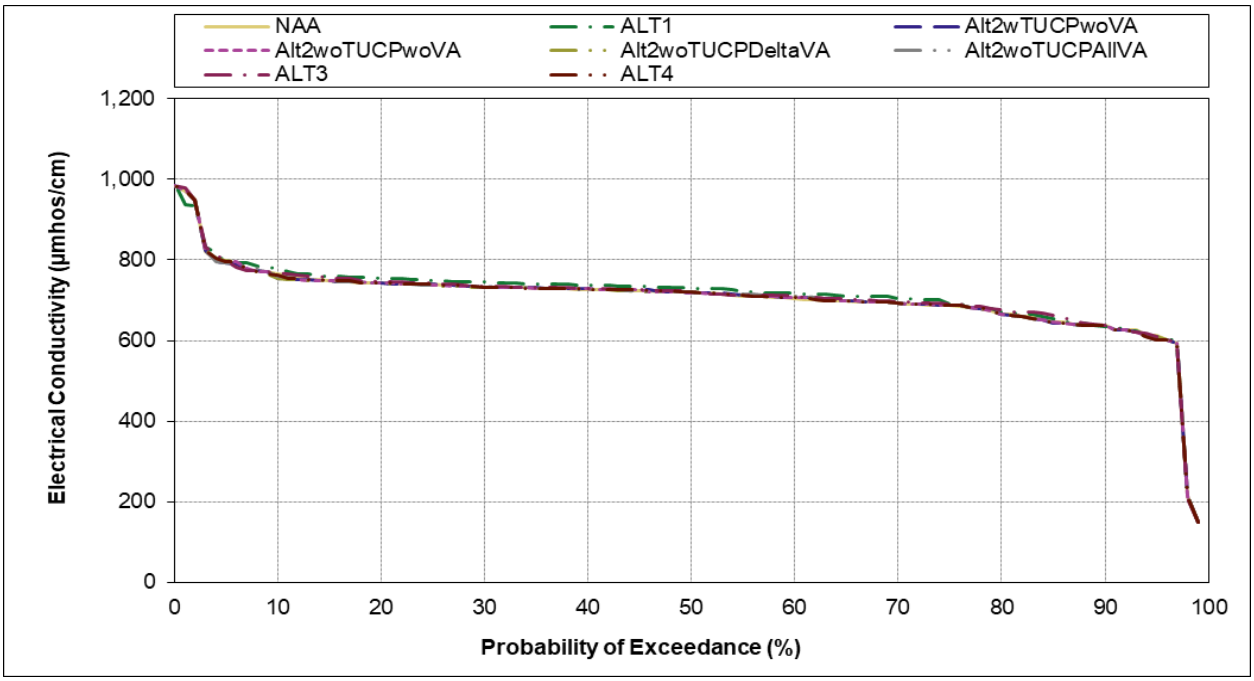

Figure G.1-6-17. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), November

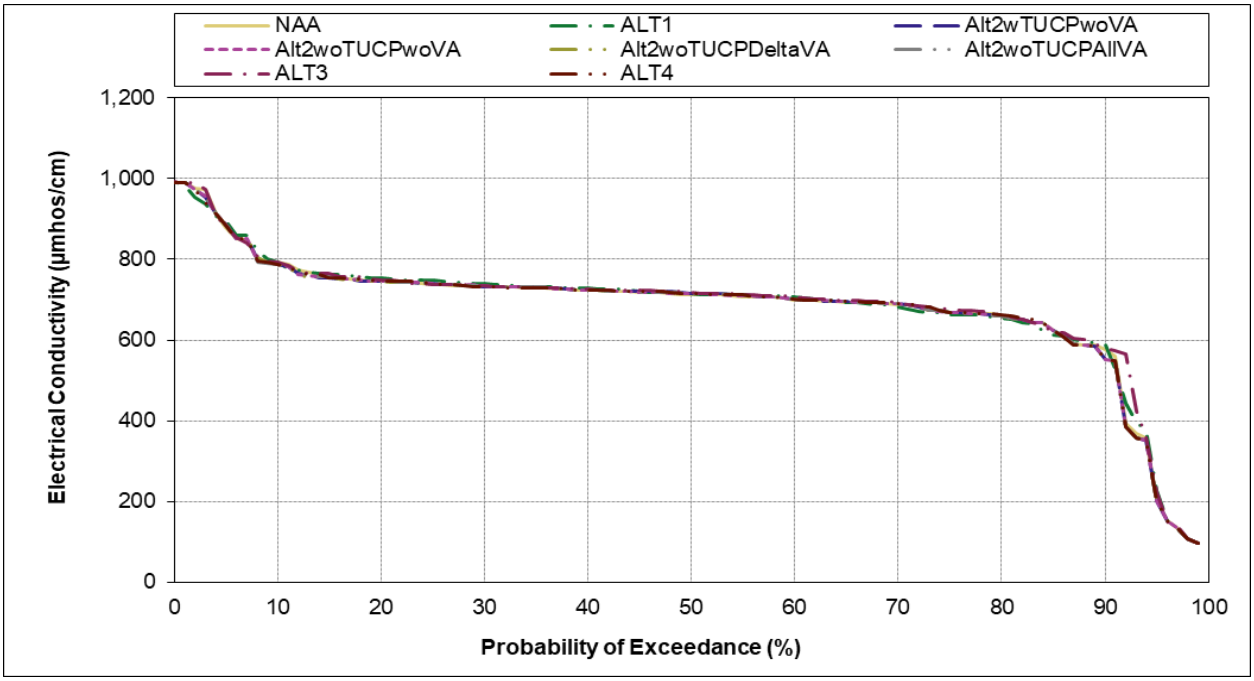

Figure G.1-6-18. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), December

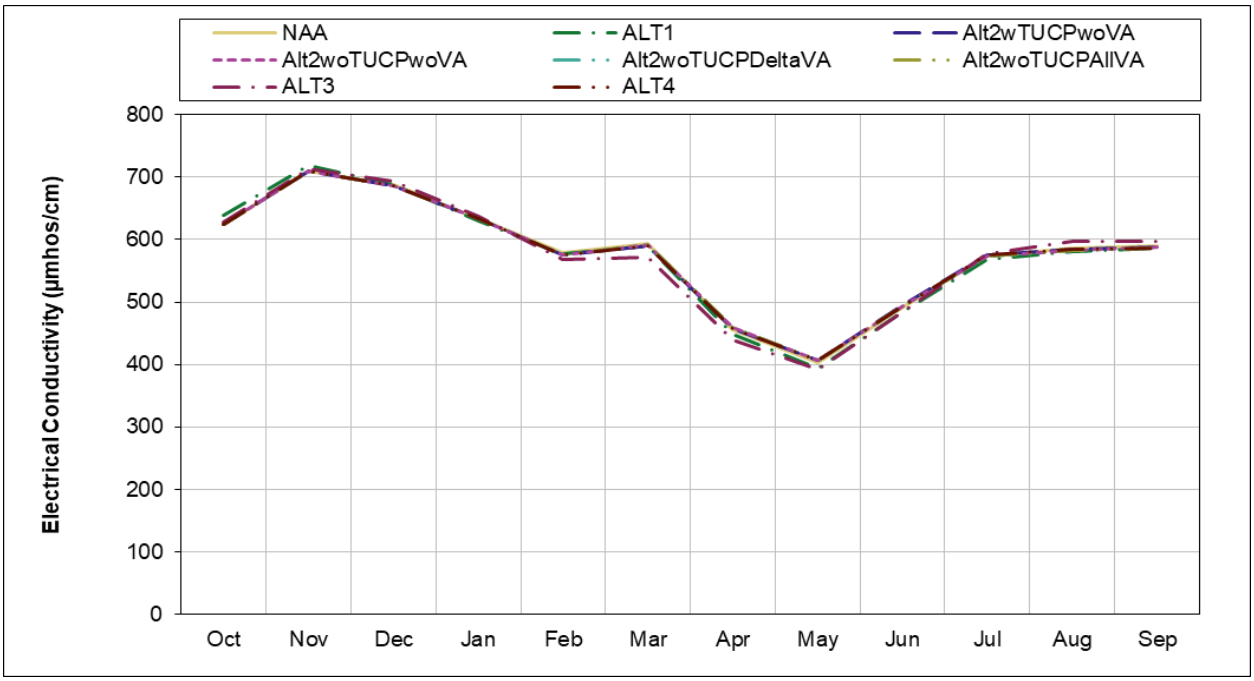

Figure G.1-7-1. Old River near Middle River, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)

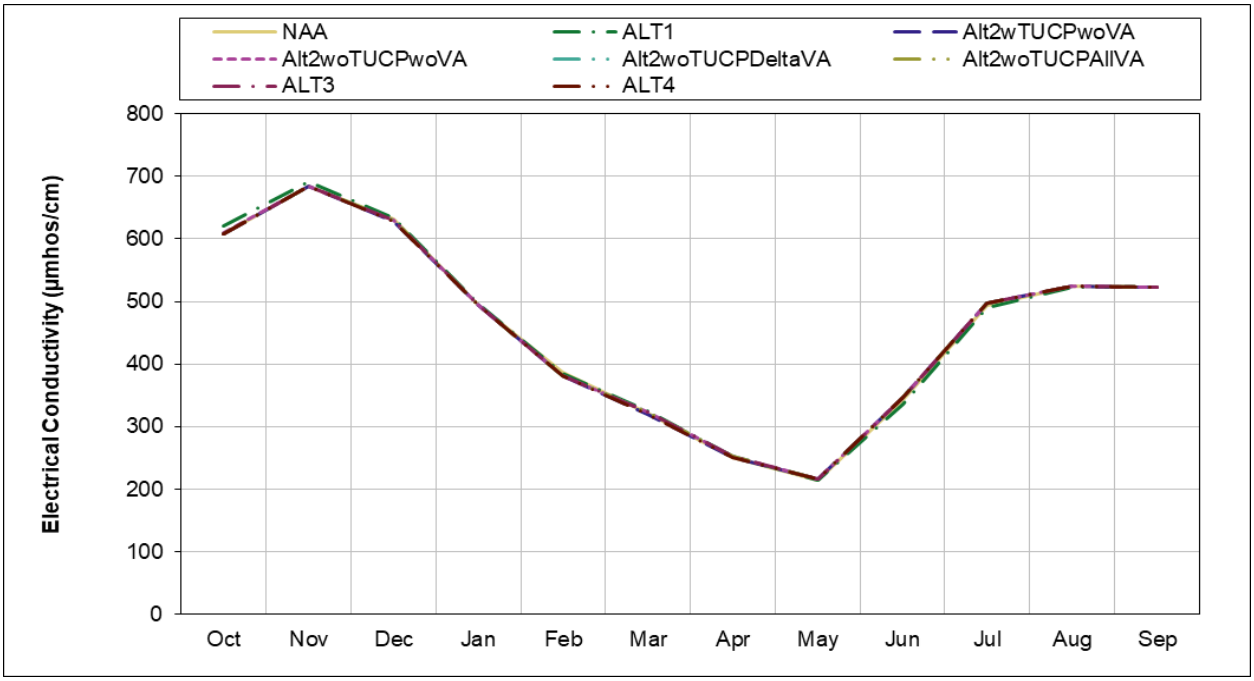

Figure G.1-7-2. Old River near Middle River, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

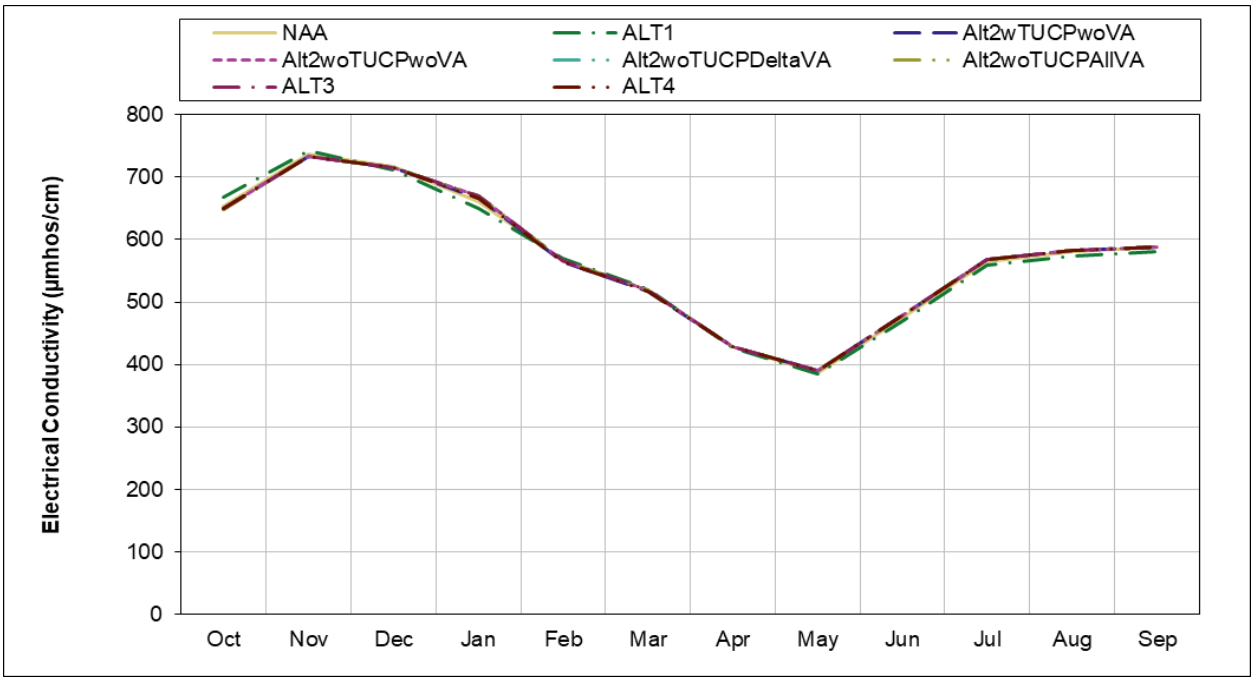

Figure G.1-7-3. Old River near Middle River, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

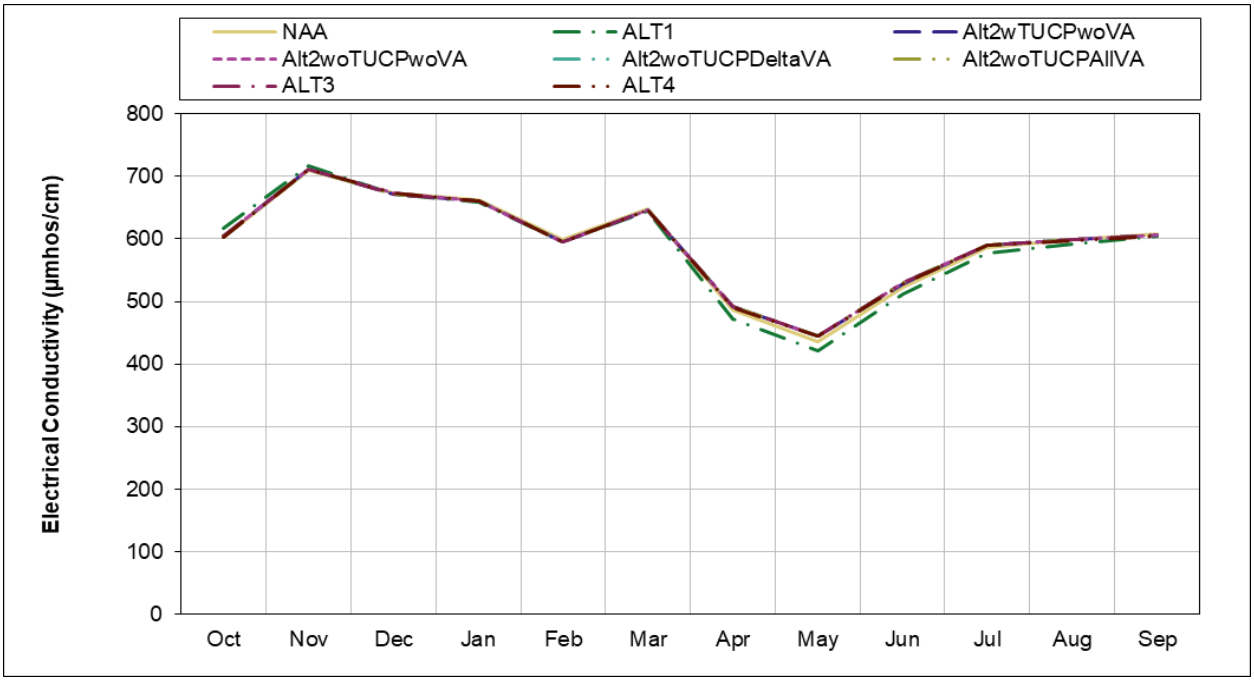

Figure G.1-7-4. Old River near Middle River, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

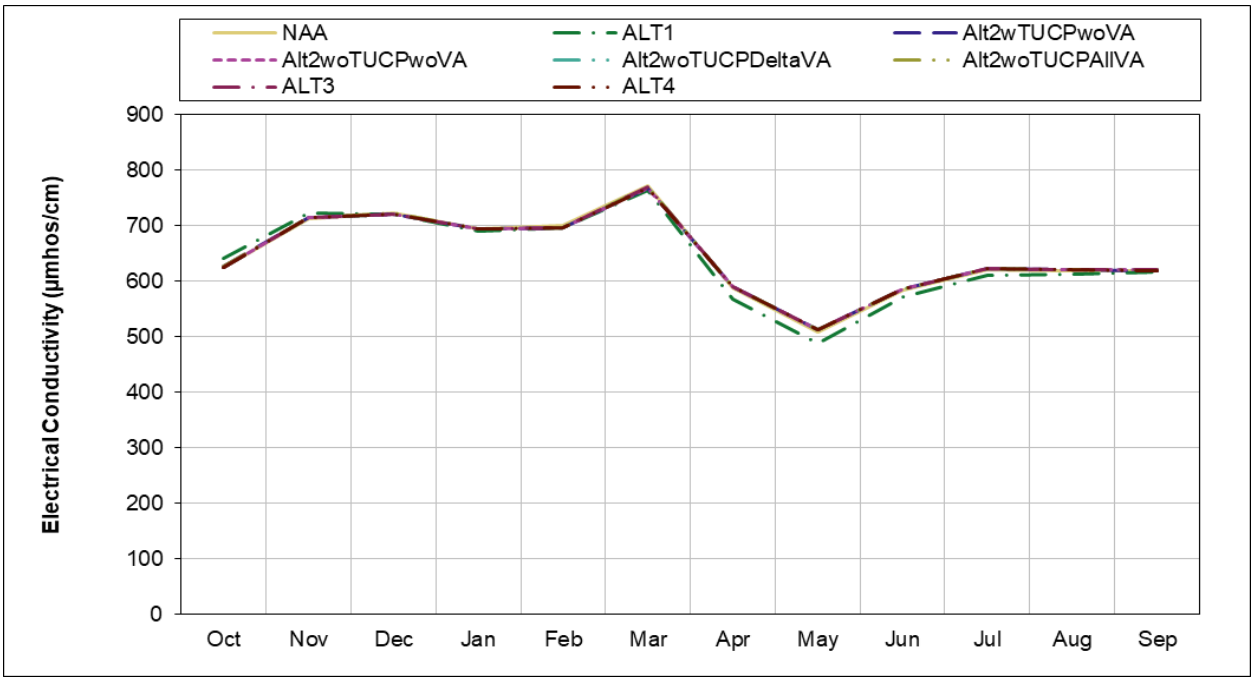

Figure G.1-7-5. Old River near Middle River, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

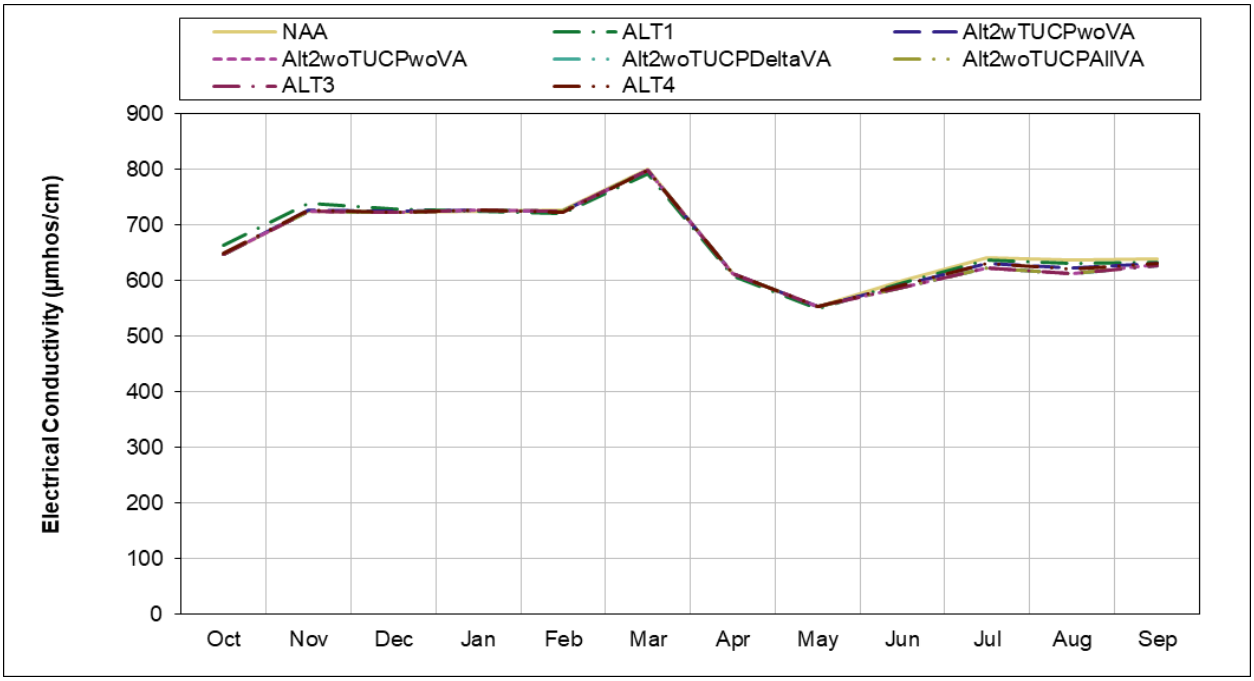

Figure G.1-7-6. Old River near Middle River, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

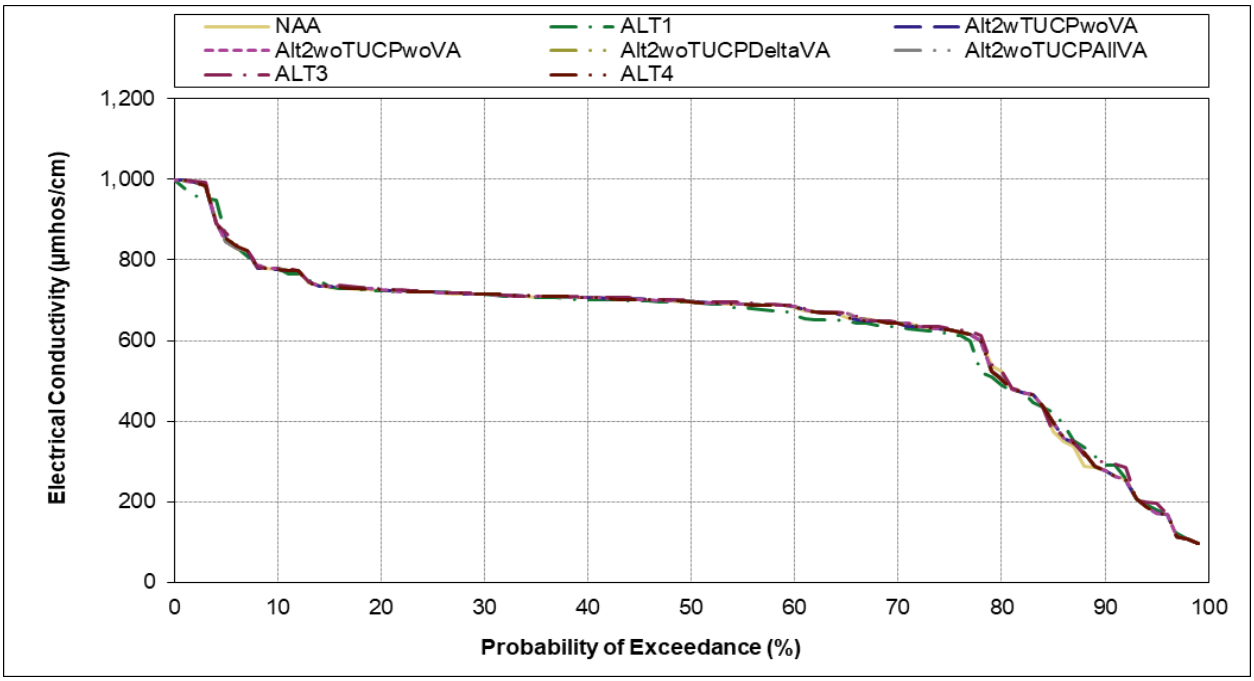

Figure G.1-7-7. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), January

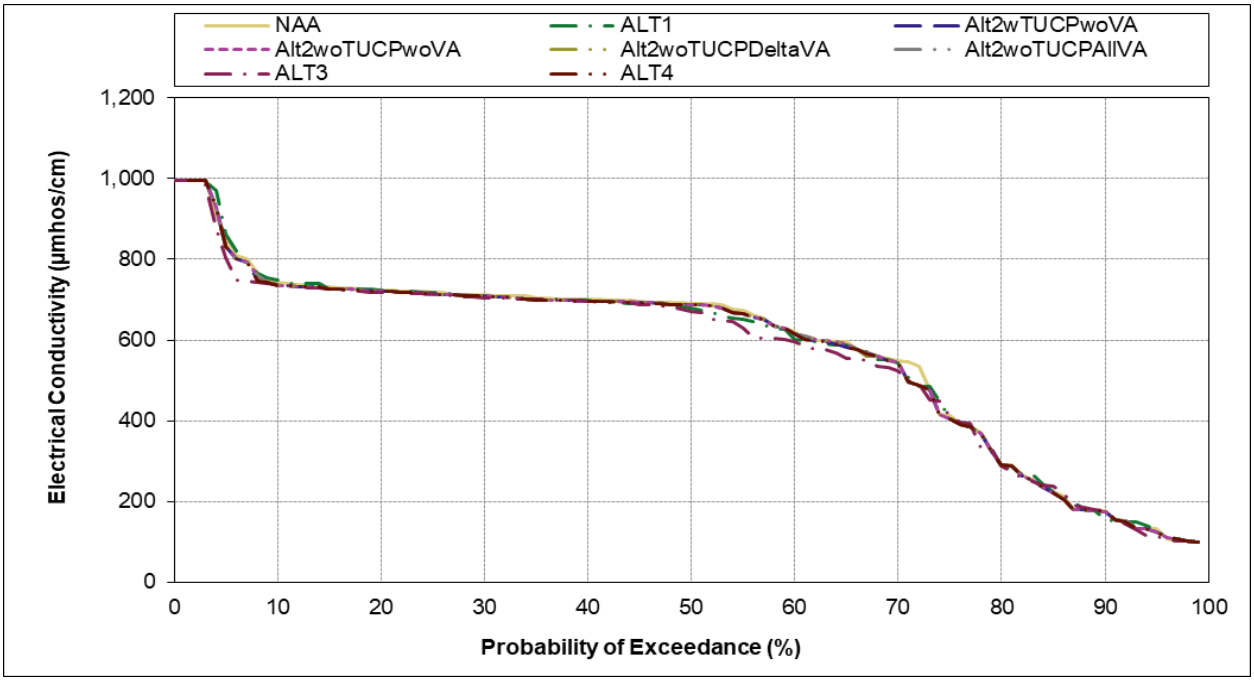

Figure G.1-7-8. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), February

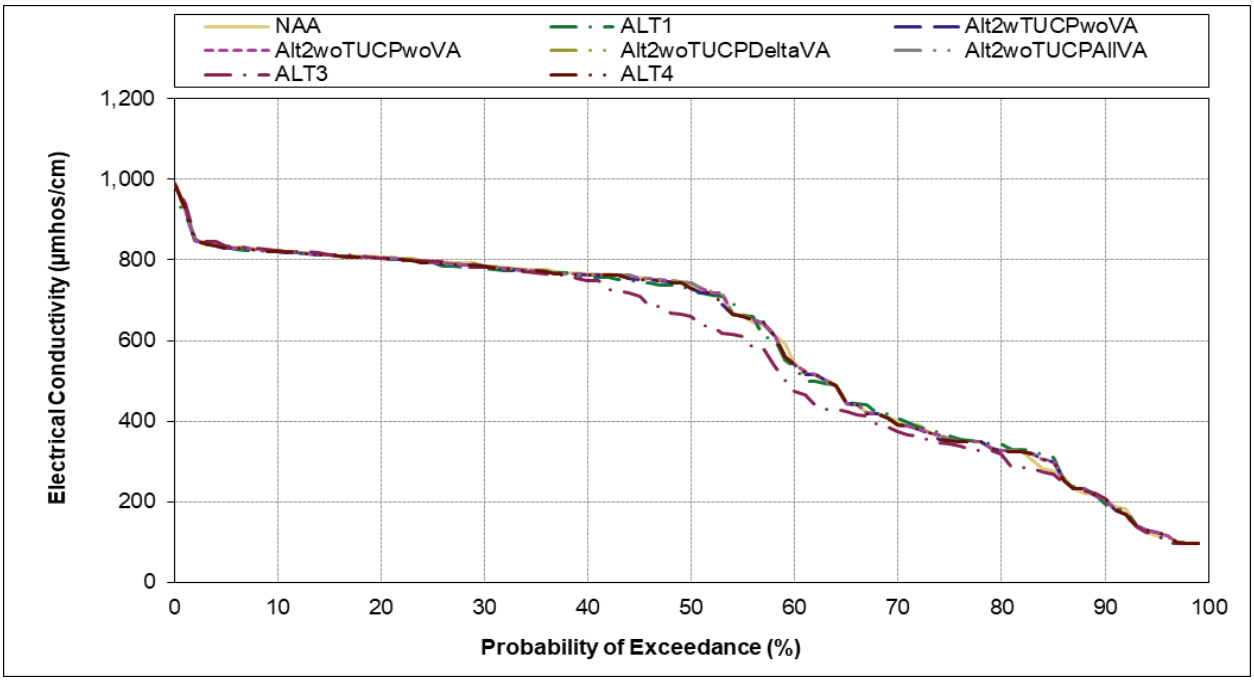

Figure G.1-7-9. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), March

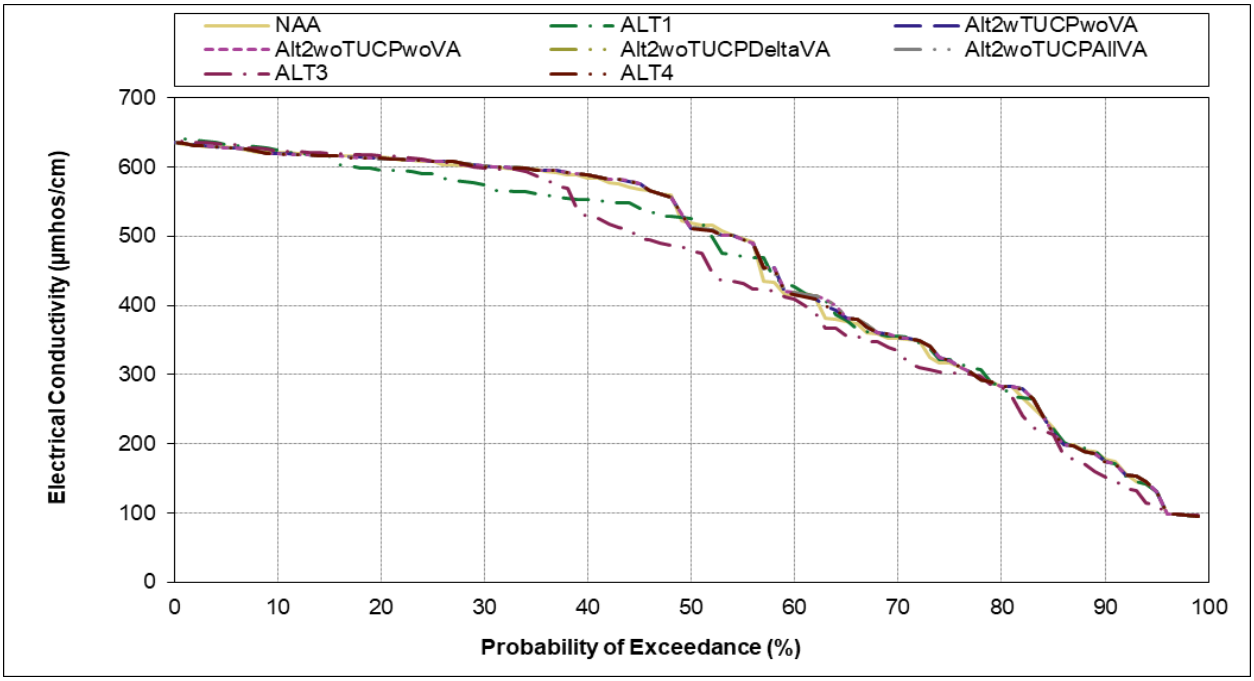

Figure G.1-7-10. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), April

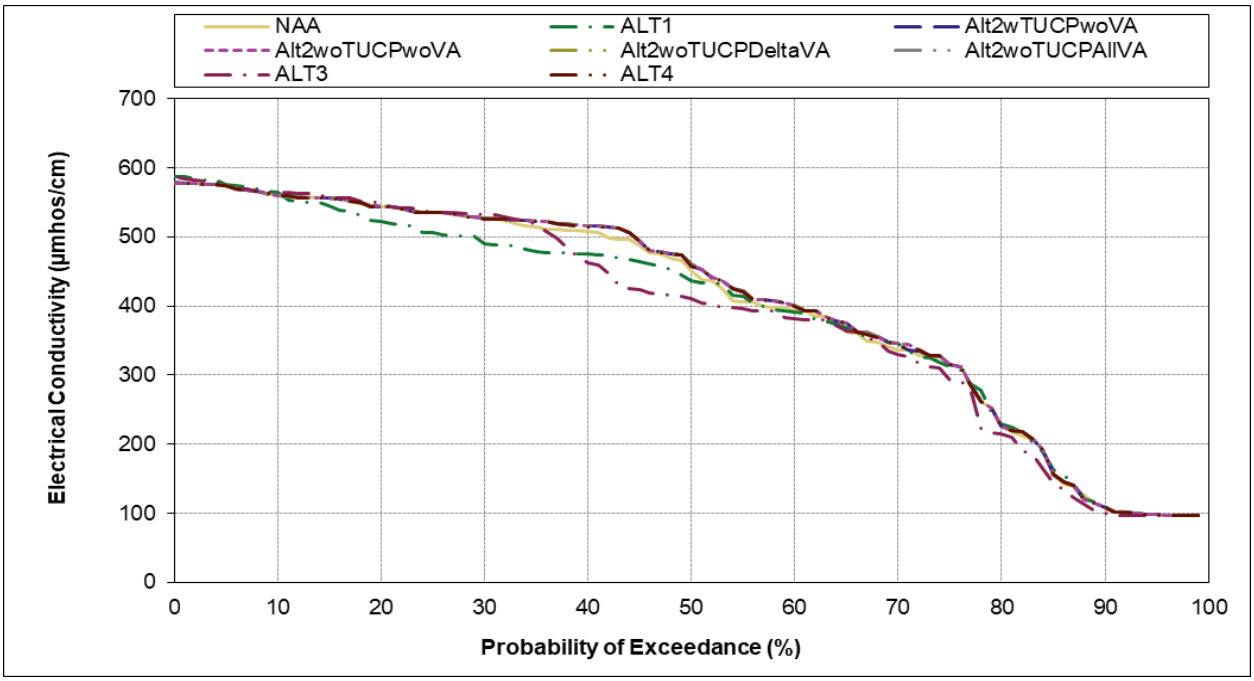

Figure G.1-7-11. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), May

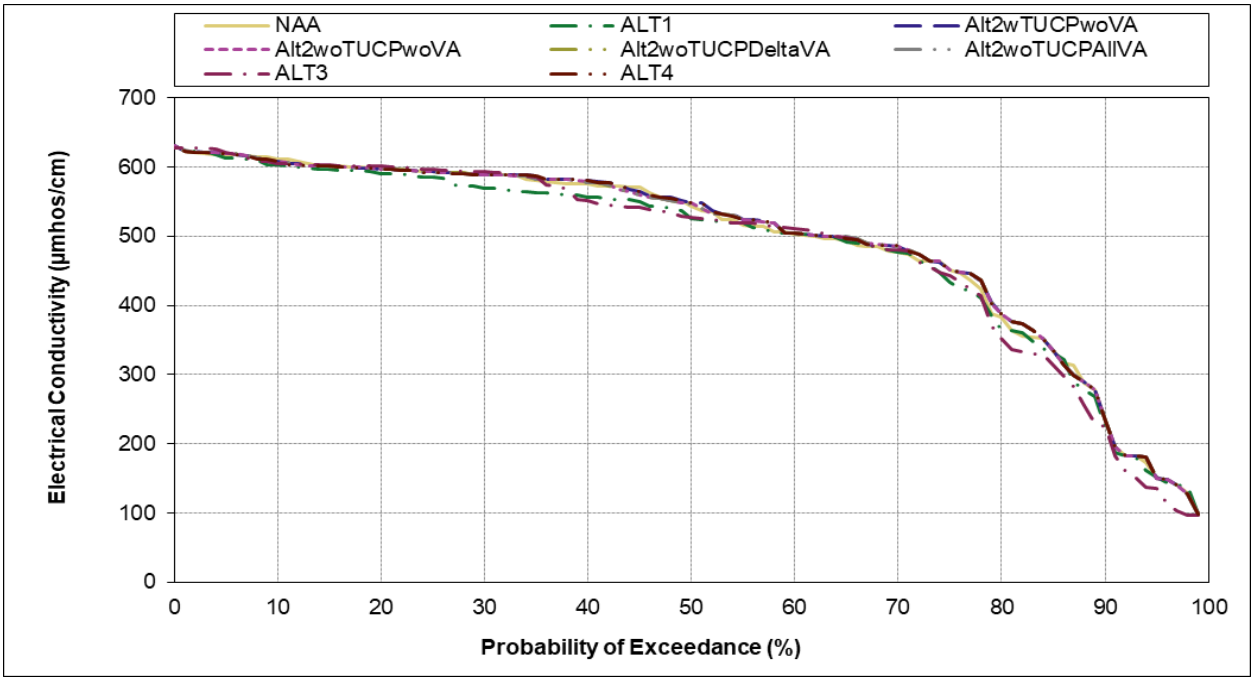

Figure G.1-7-12. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), June

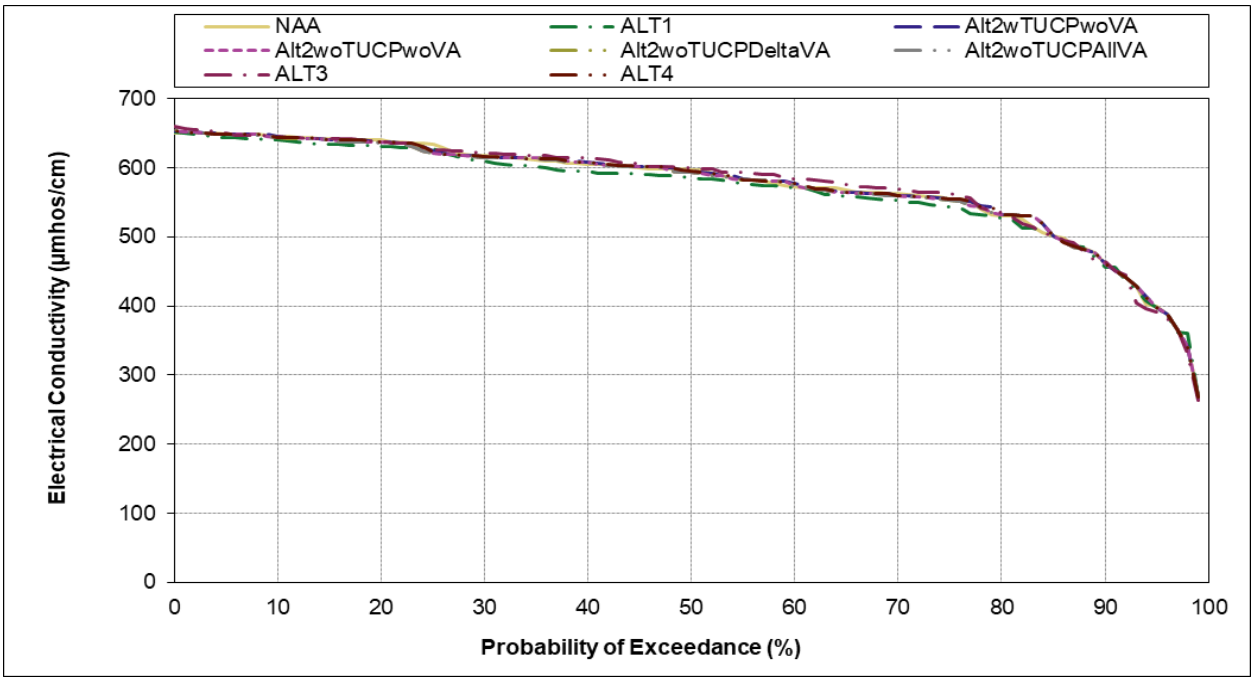

Figure G.1-7-13. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), July

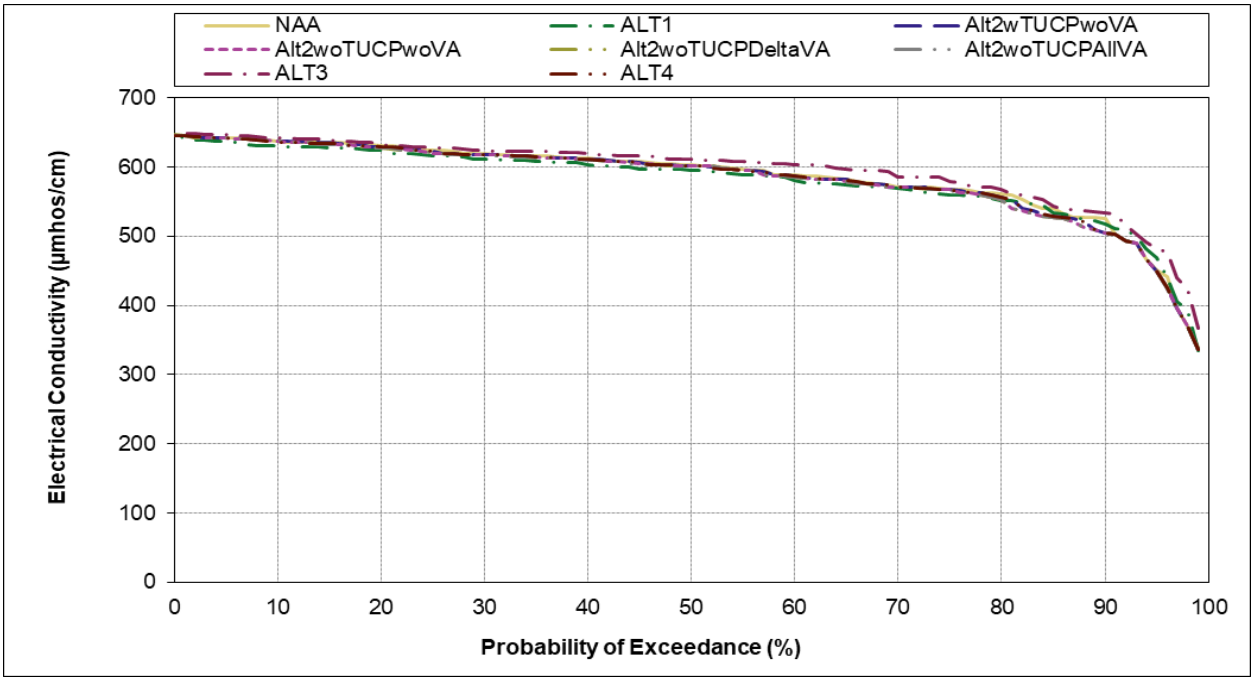

Figure G.1-7-14. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), August

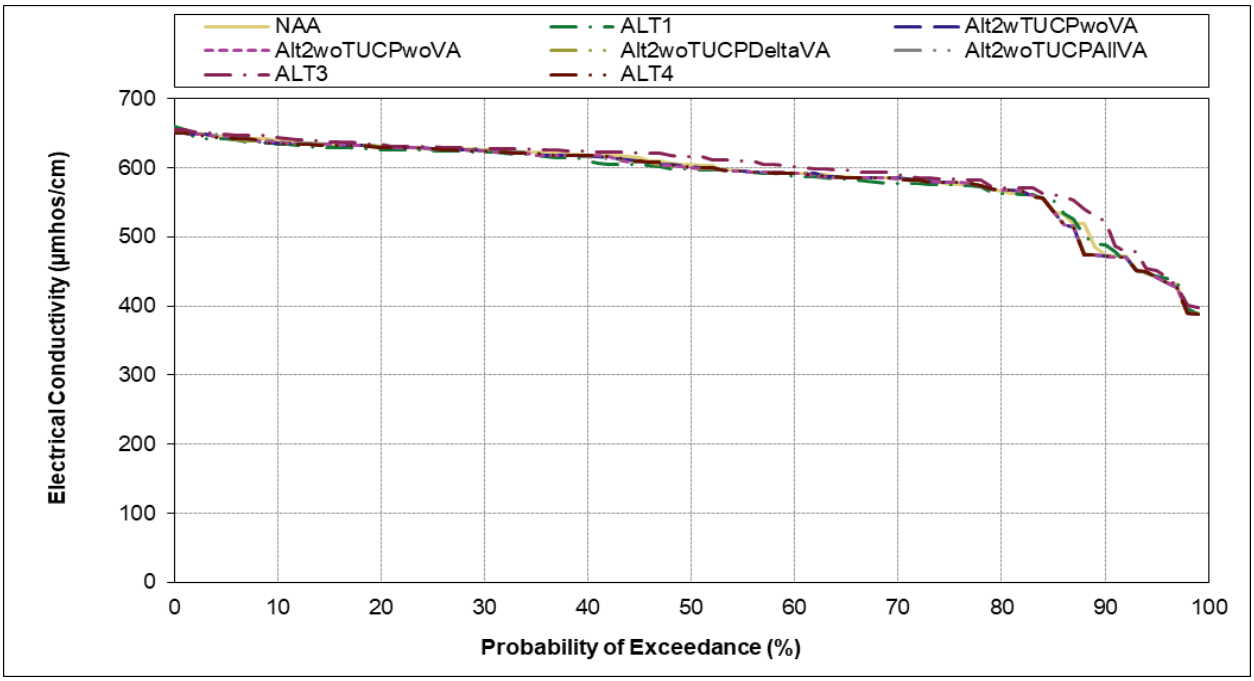

Figure G.1-7-15. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), September

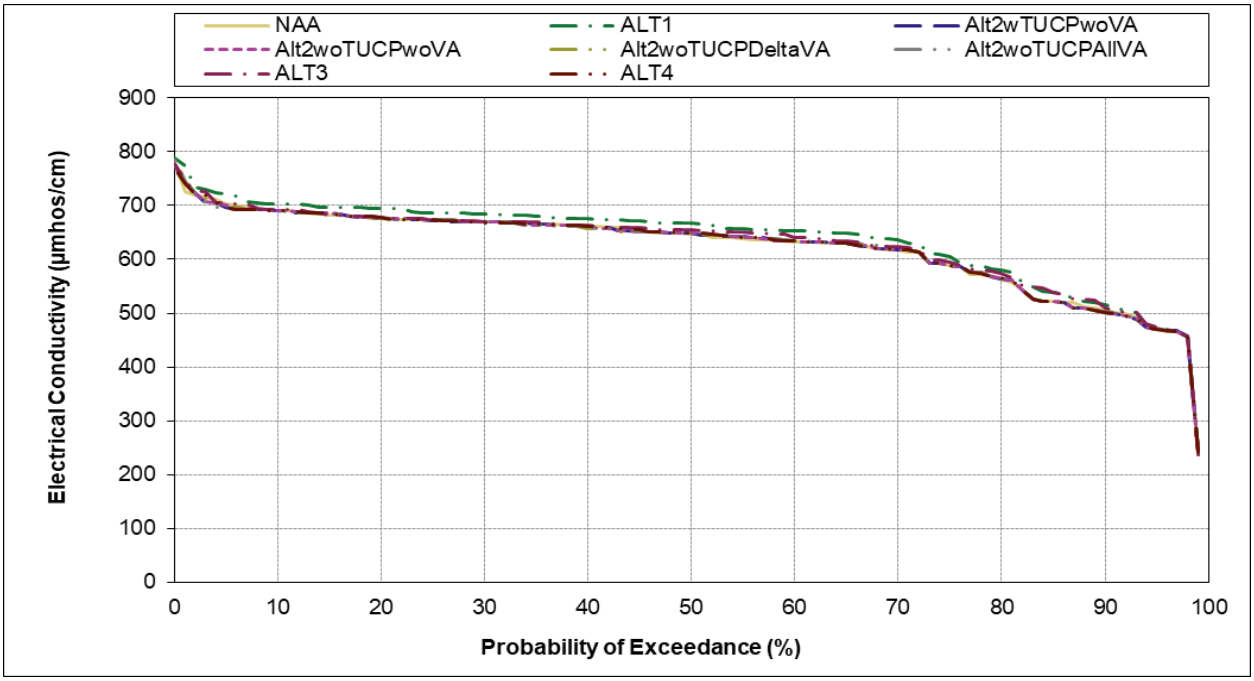

Figure G.1-7-16. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), October

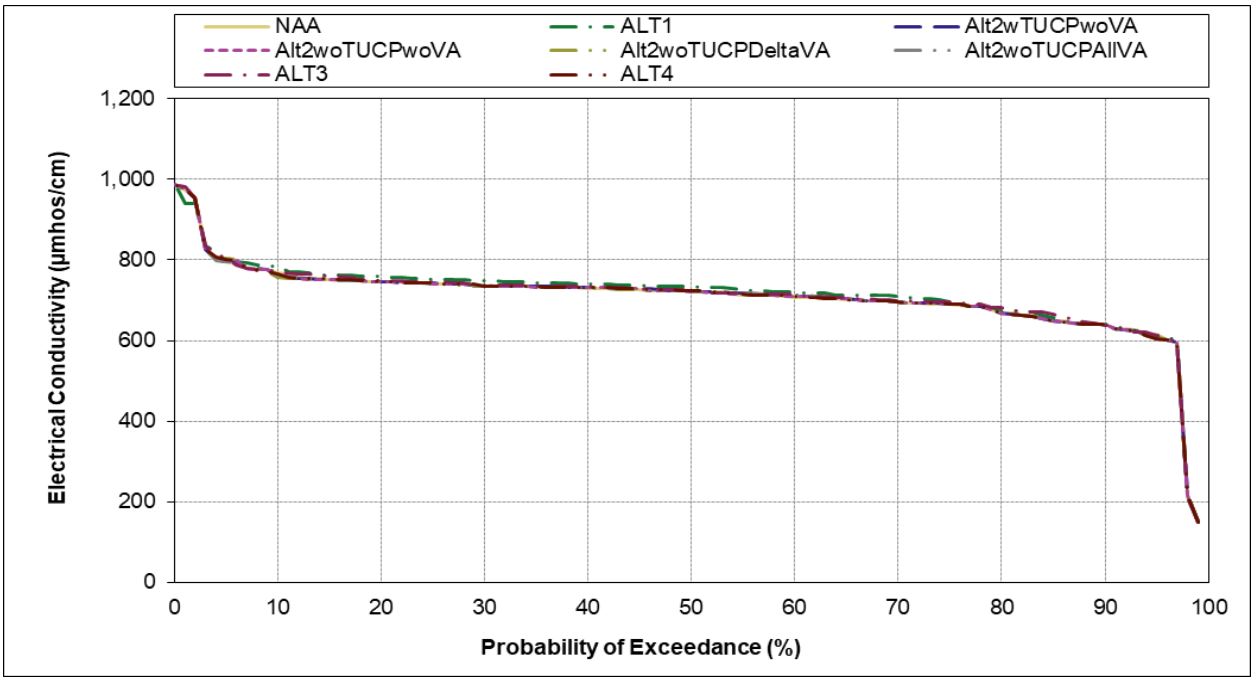

Figure G.1-7-17. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), November

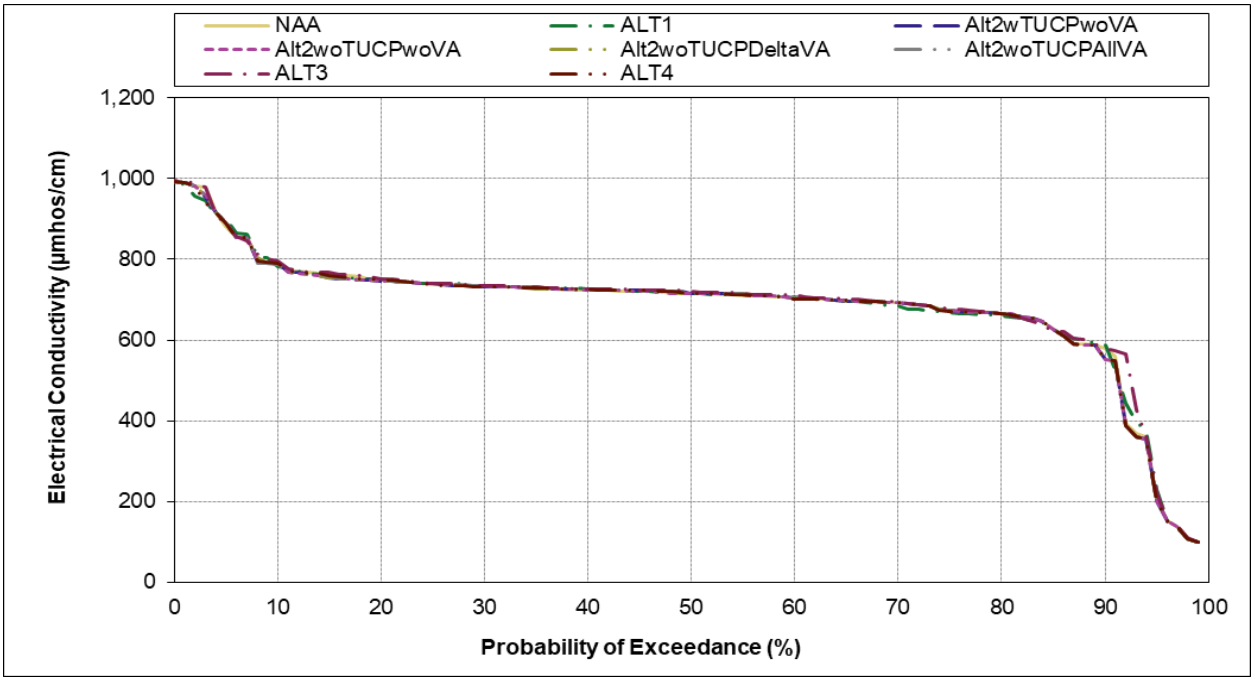

Figure G.1-7-18. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), December

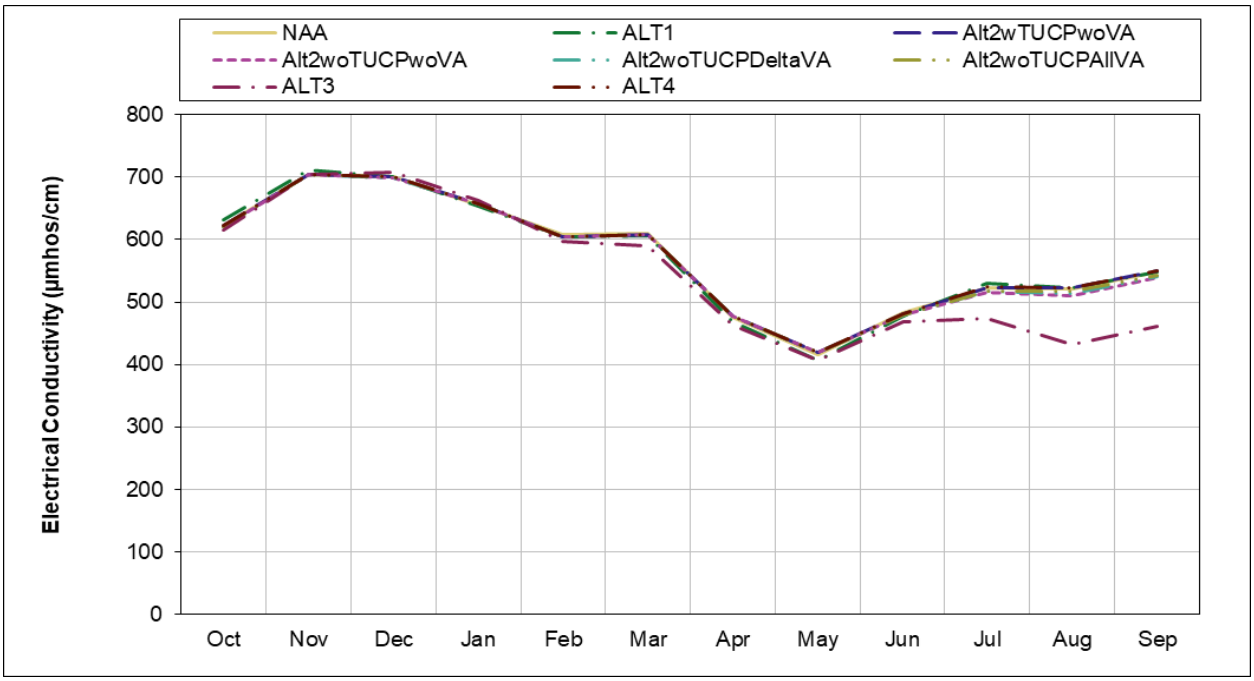

Figure G.1-8-1. Old River at Tracy Bridge, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)

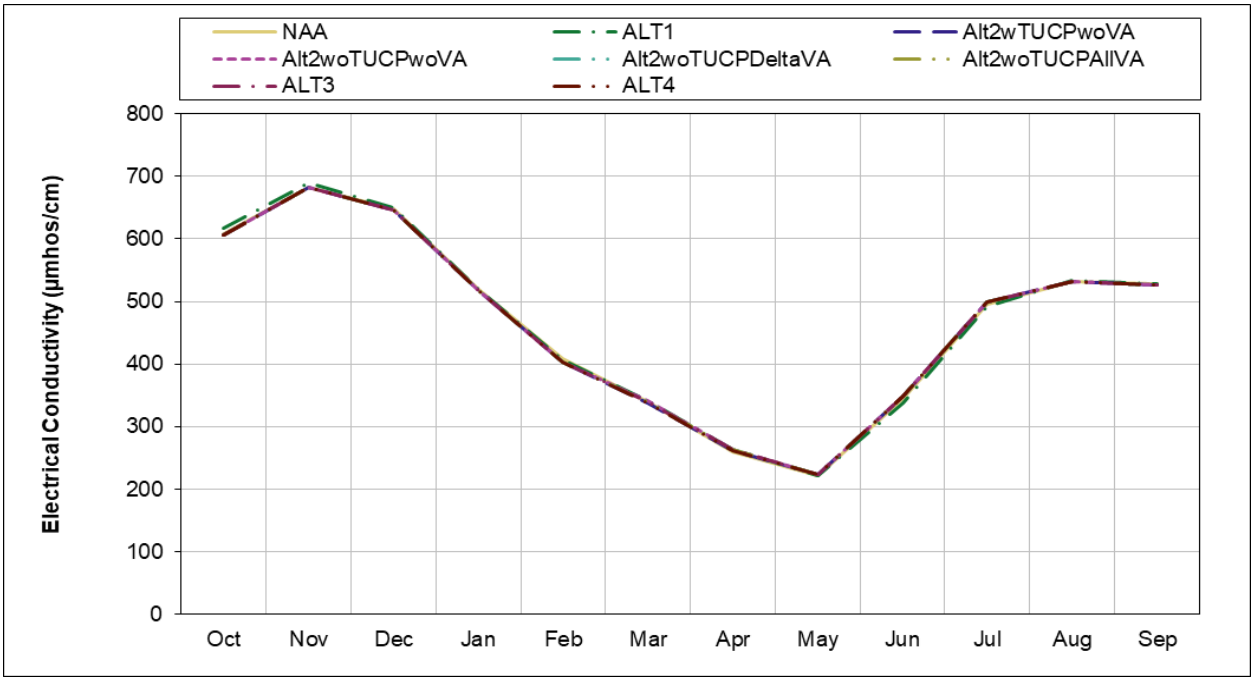

Figure G.1-8-2. Old River at Tracy Bridge, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

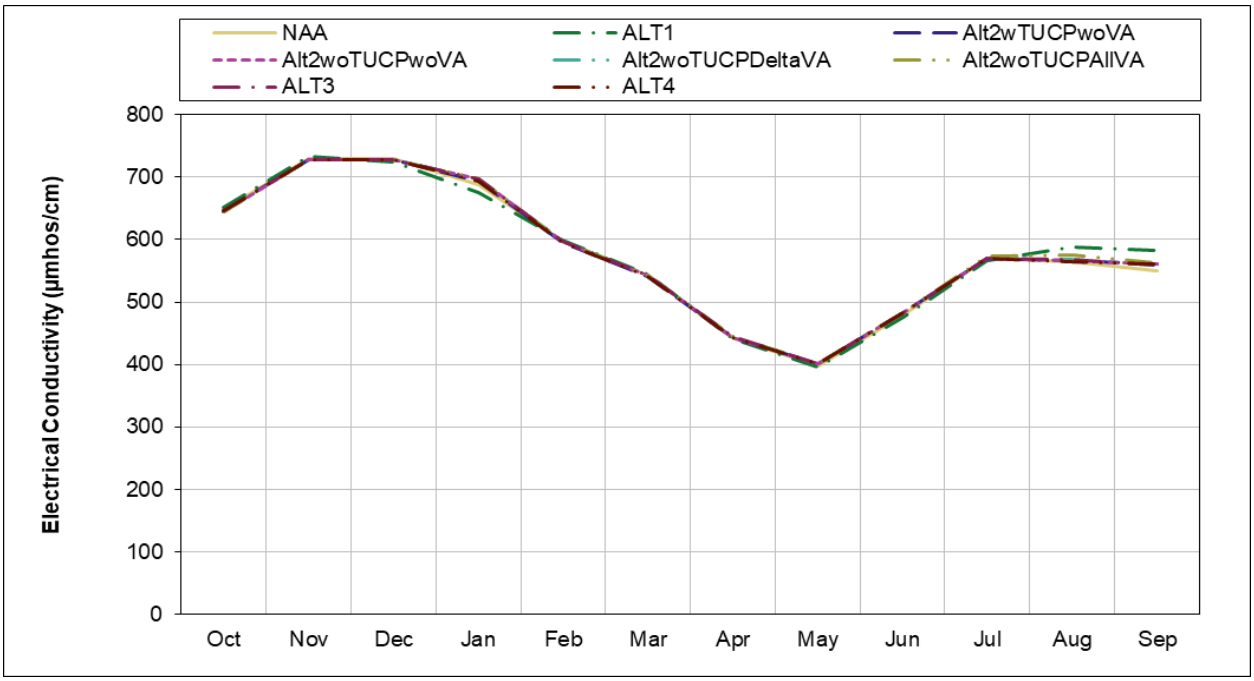

Figure G.1-8-3. Old River at Tracy Bridge, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

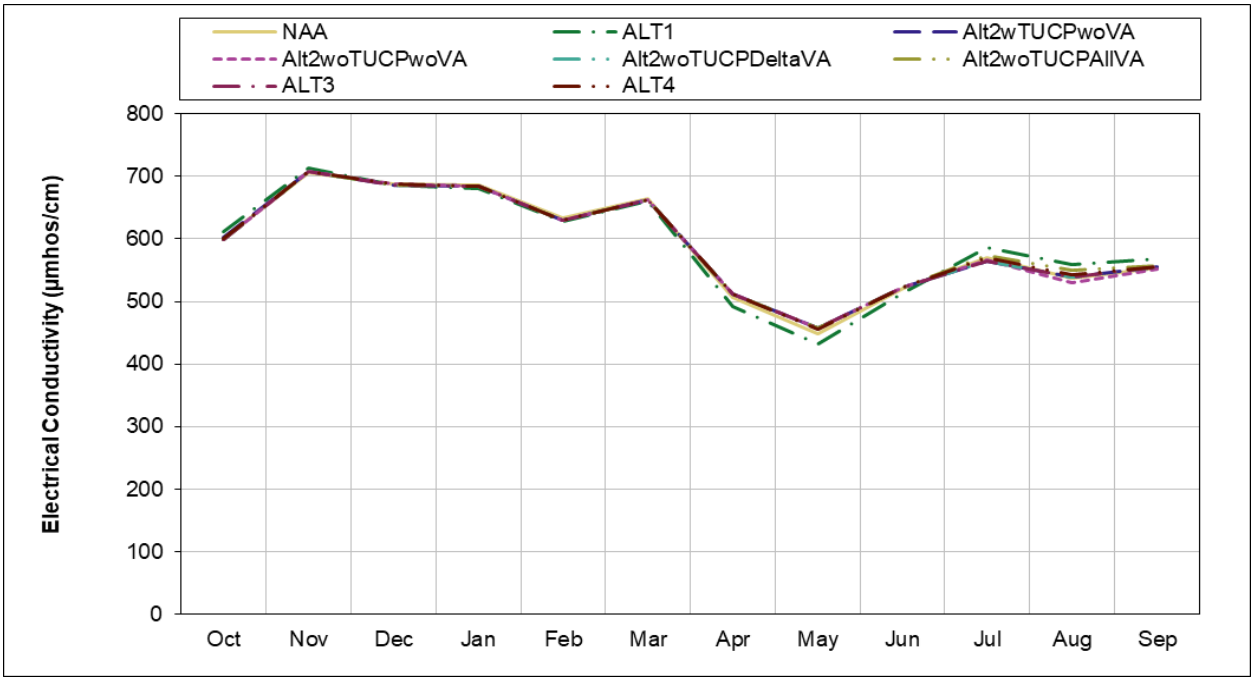

Figure G.1-8-4. Old River at Tracy Bridge, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

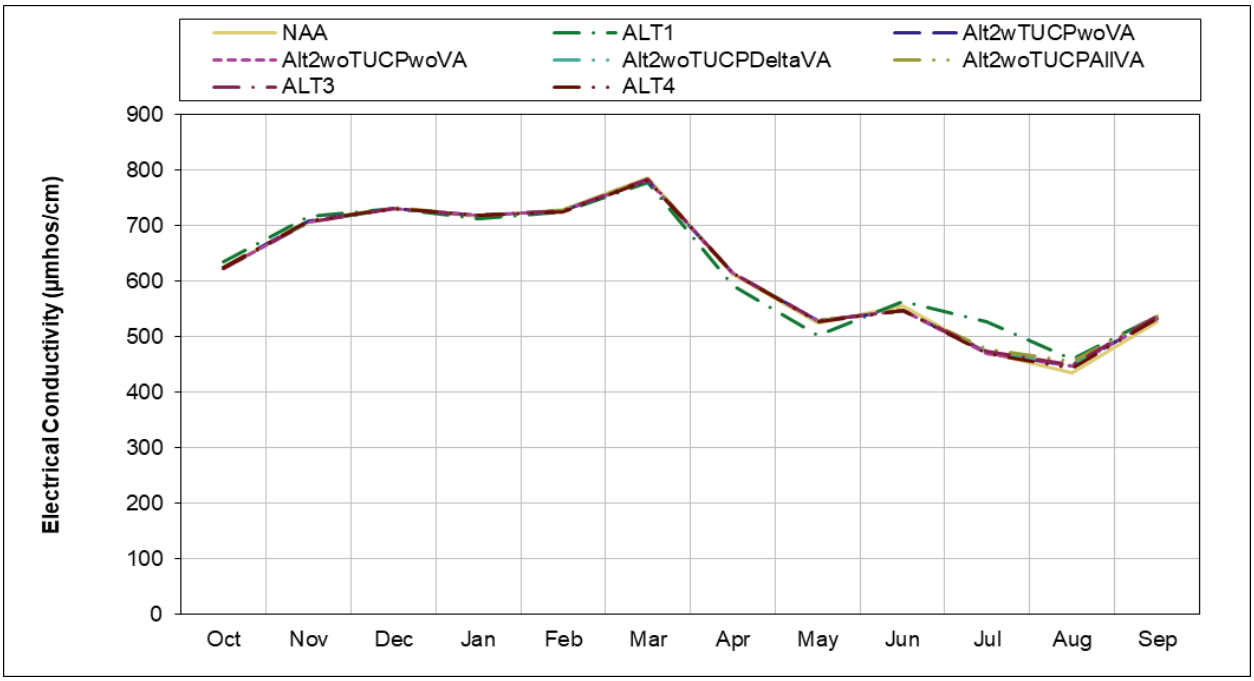

Figure G.1-8-5. Old River at Tracy Bridge, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

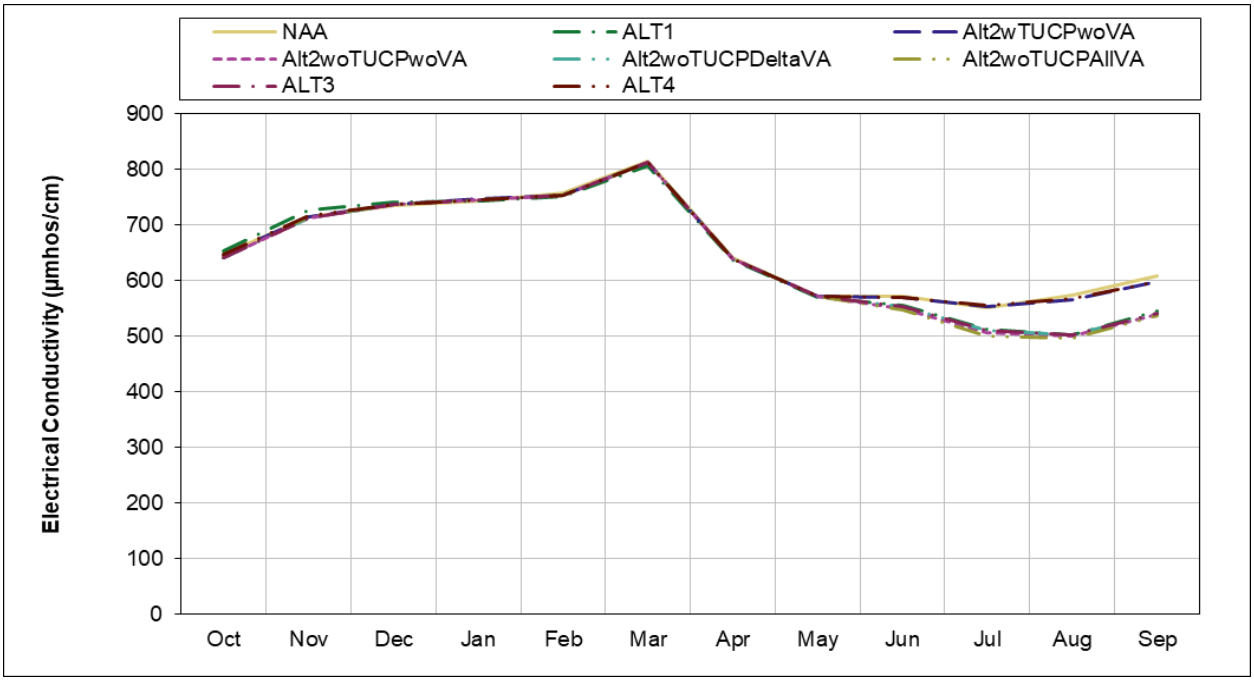

Figure G.1-8-6. Old River at Tracy Bridge, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

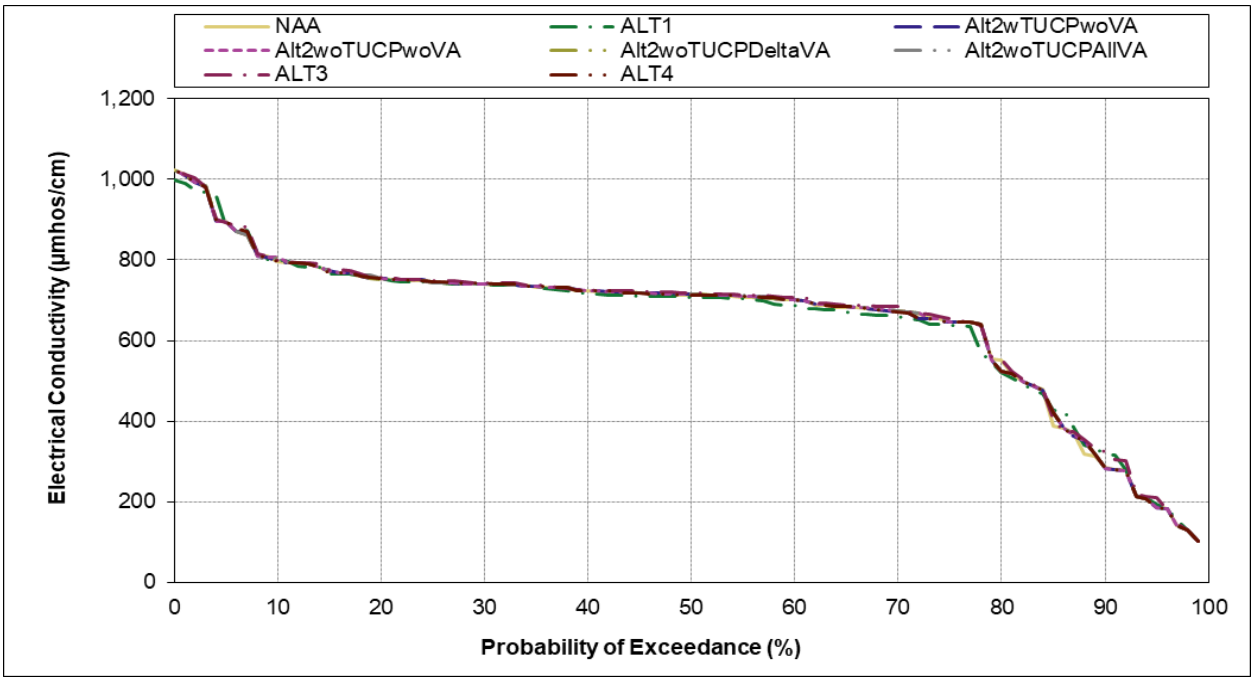

Figure G.1-8-7. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), January

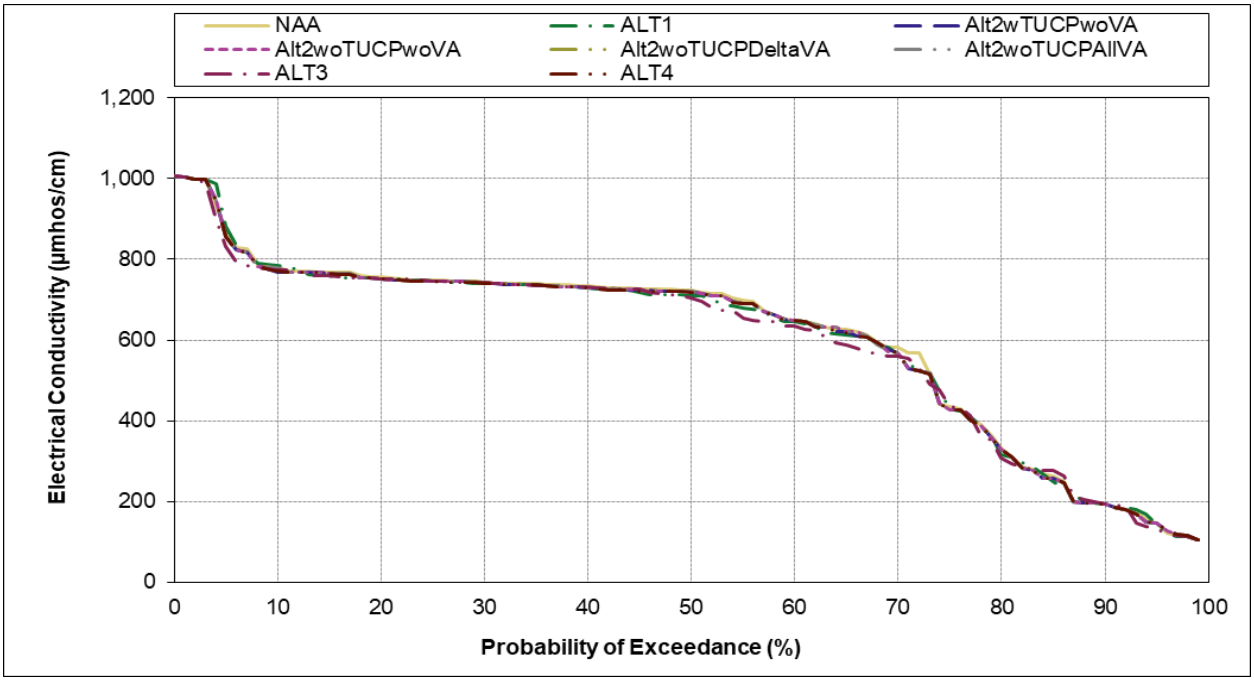

Figure G.1-8-8. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), February

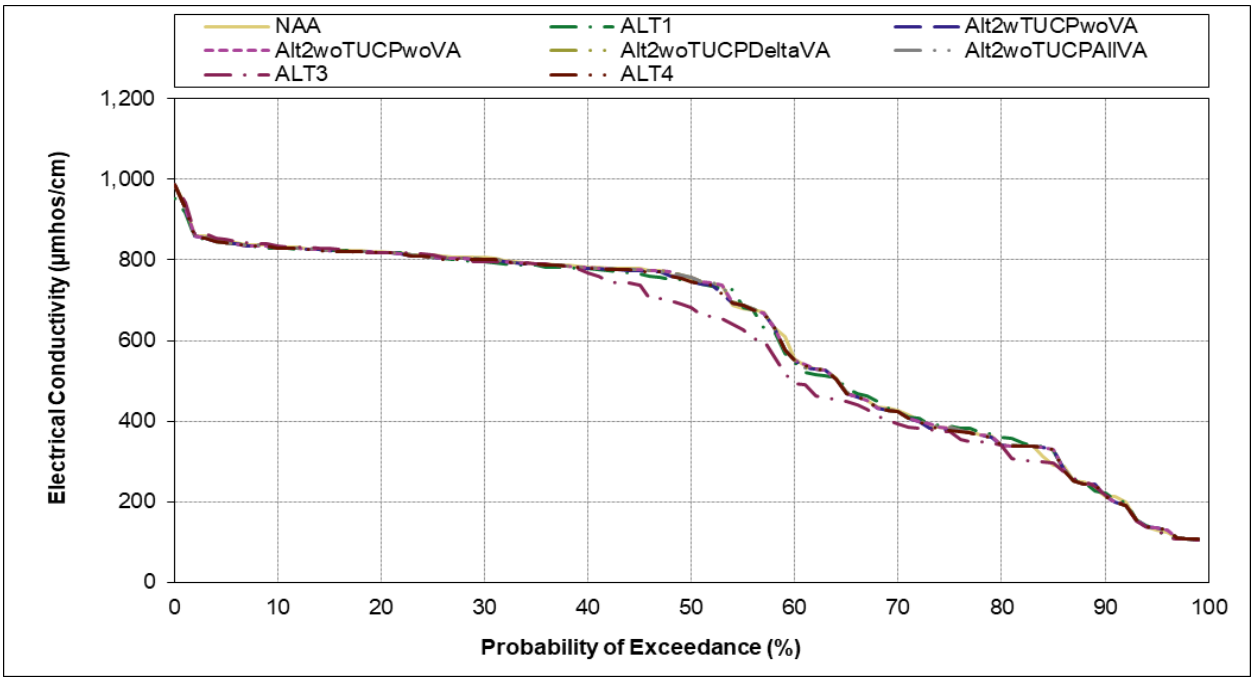

Figure G.1-8-9. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), March

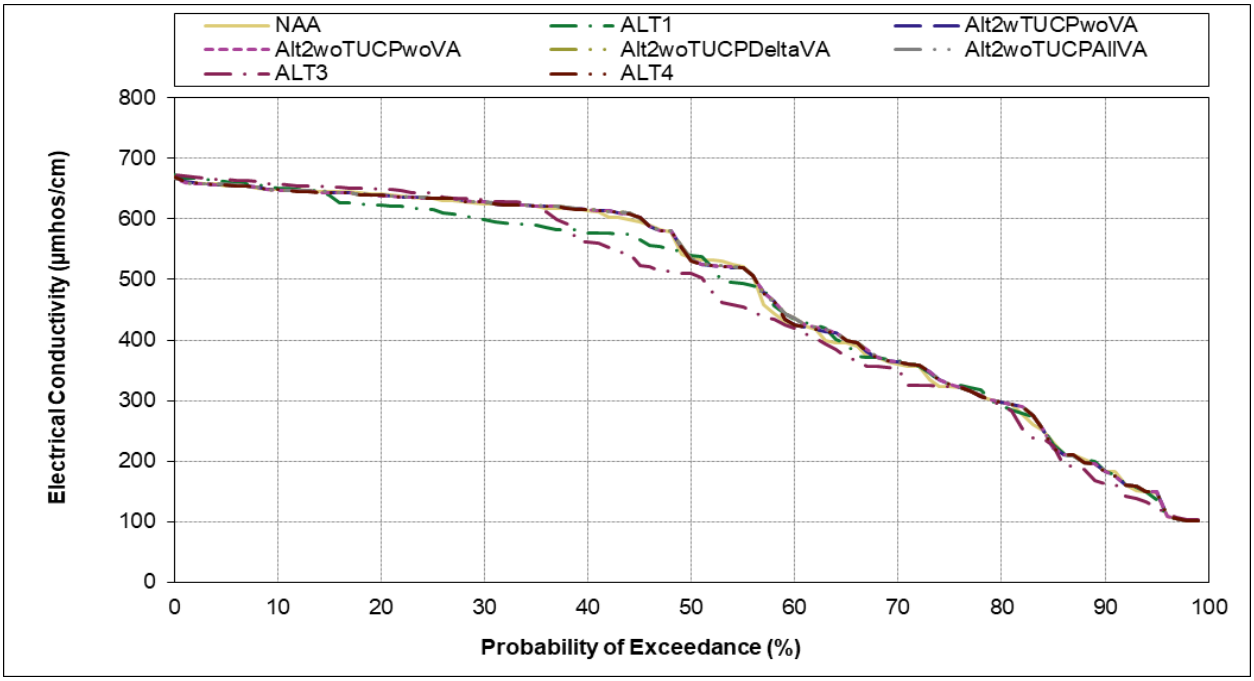

Figure G.1-8-10. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), April

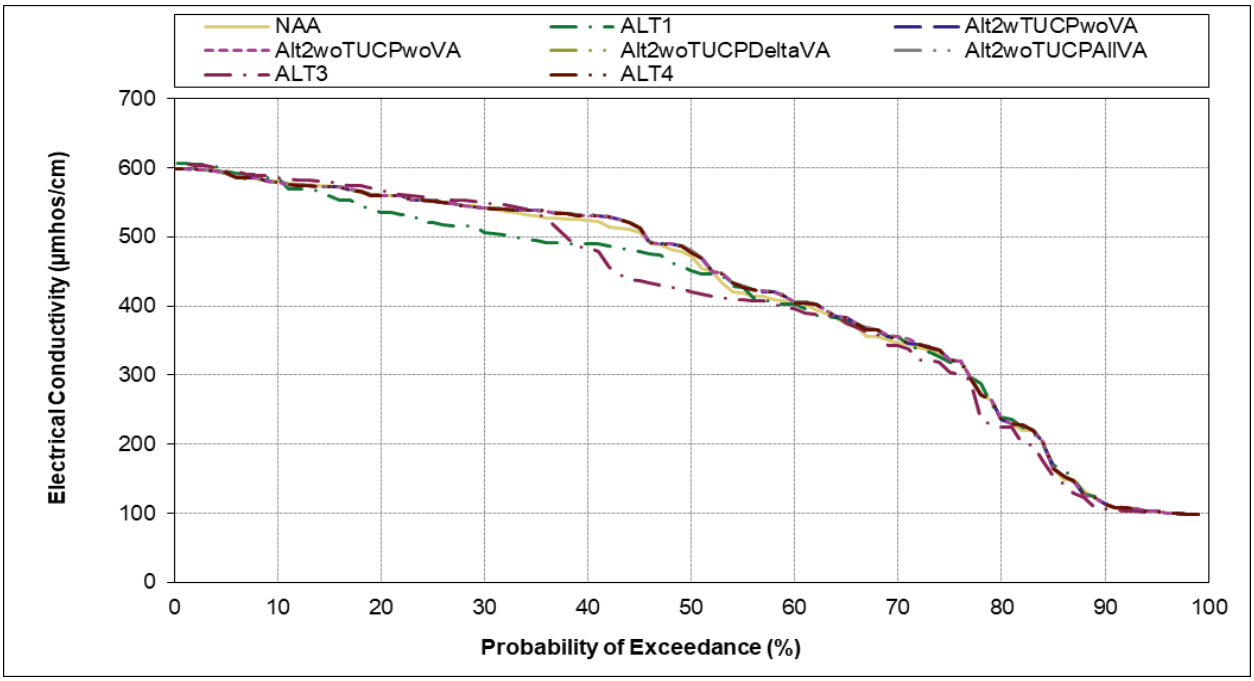

Figure G.1-8-11. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), May

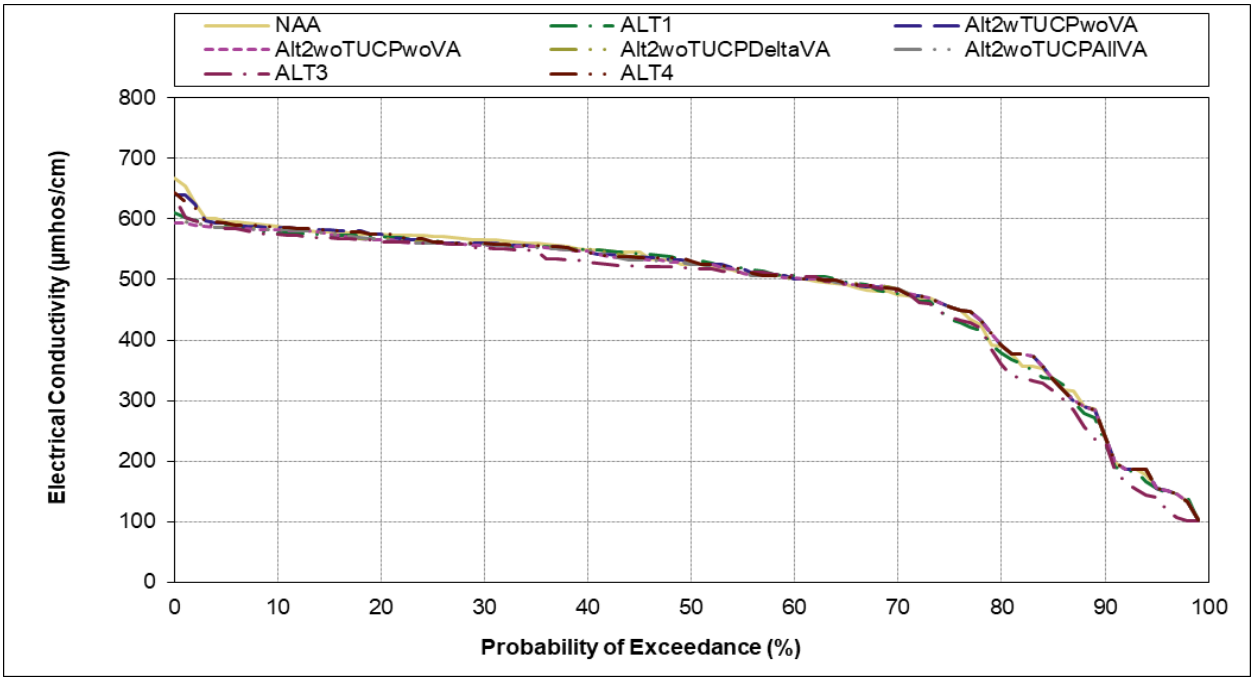

Figure G.1-8-12. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), June

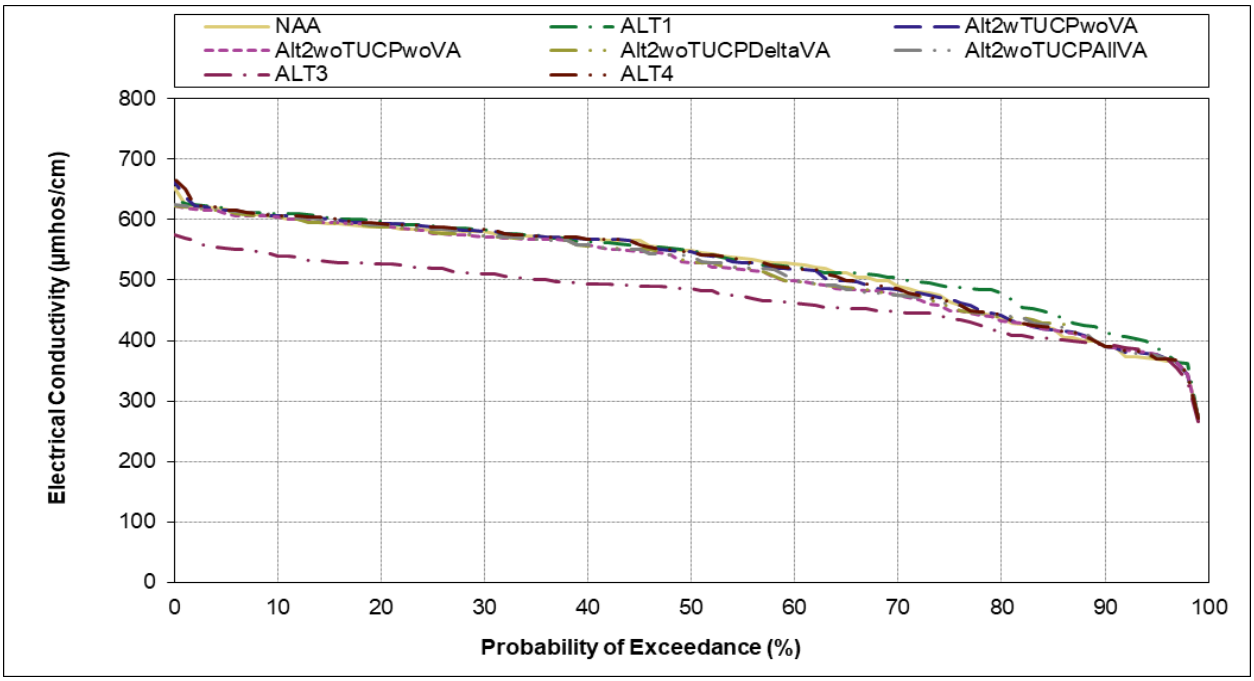

Figure G.1-8-13. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), July

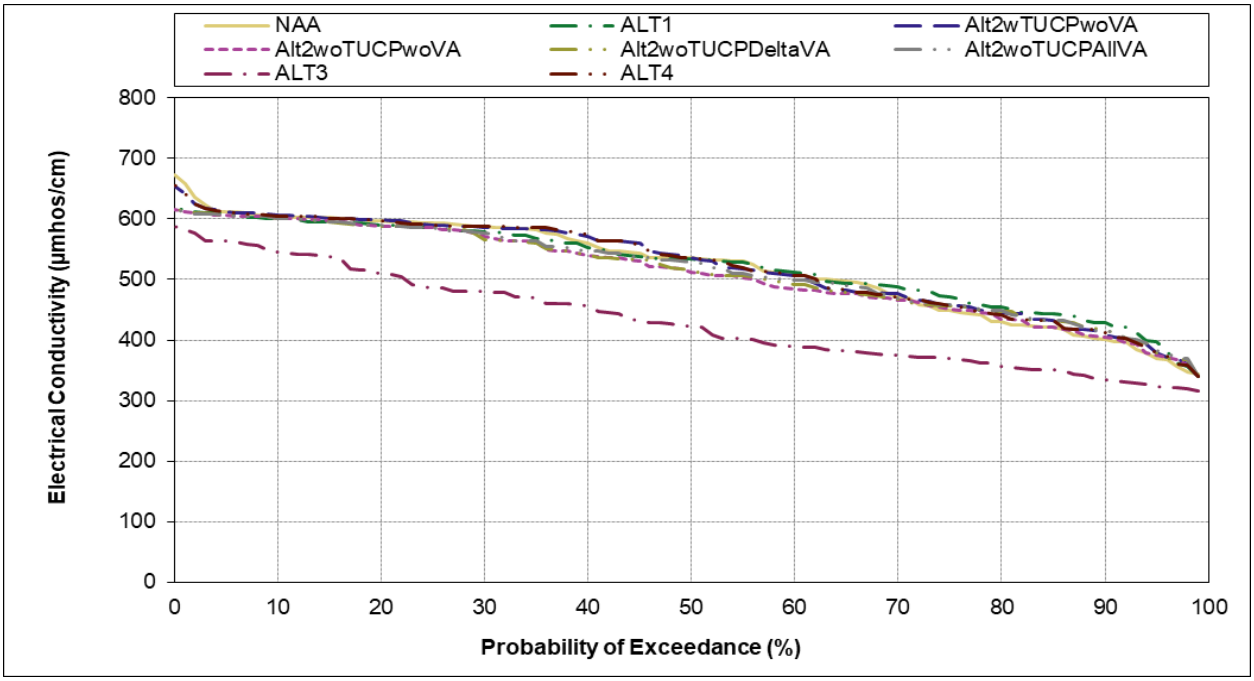

Figure G.1-8-14. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), August

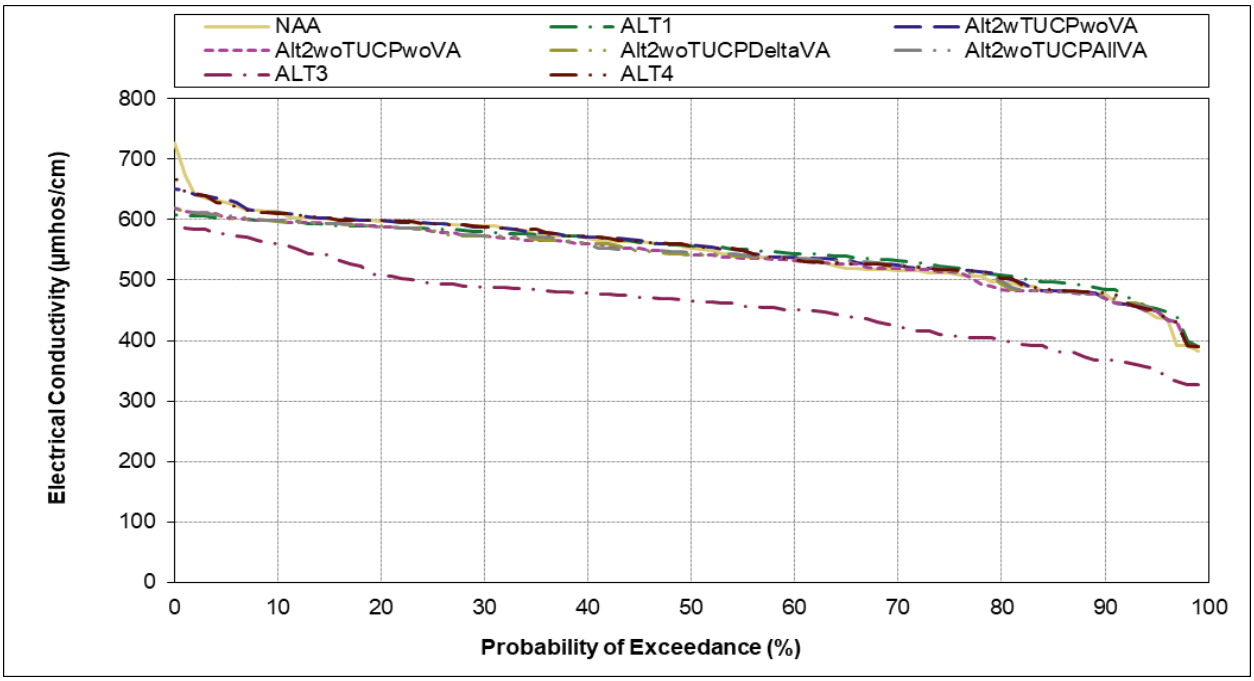

Figure G.1-8-15. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), September

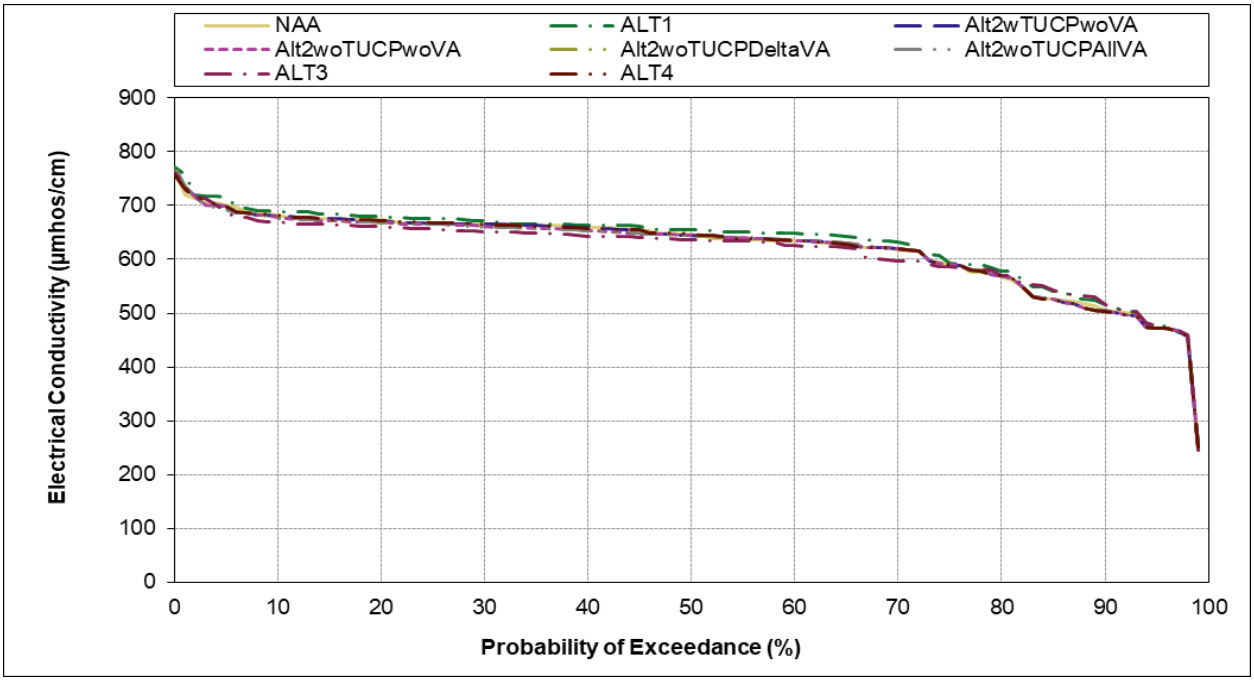

Figure G.1-8-16. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), October

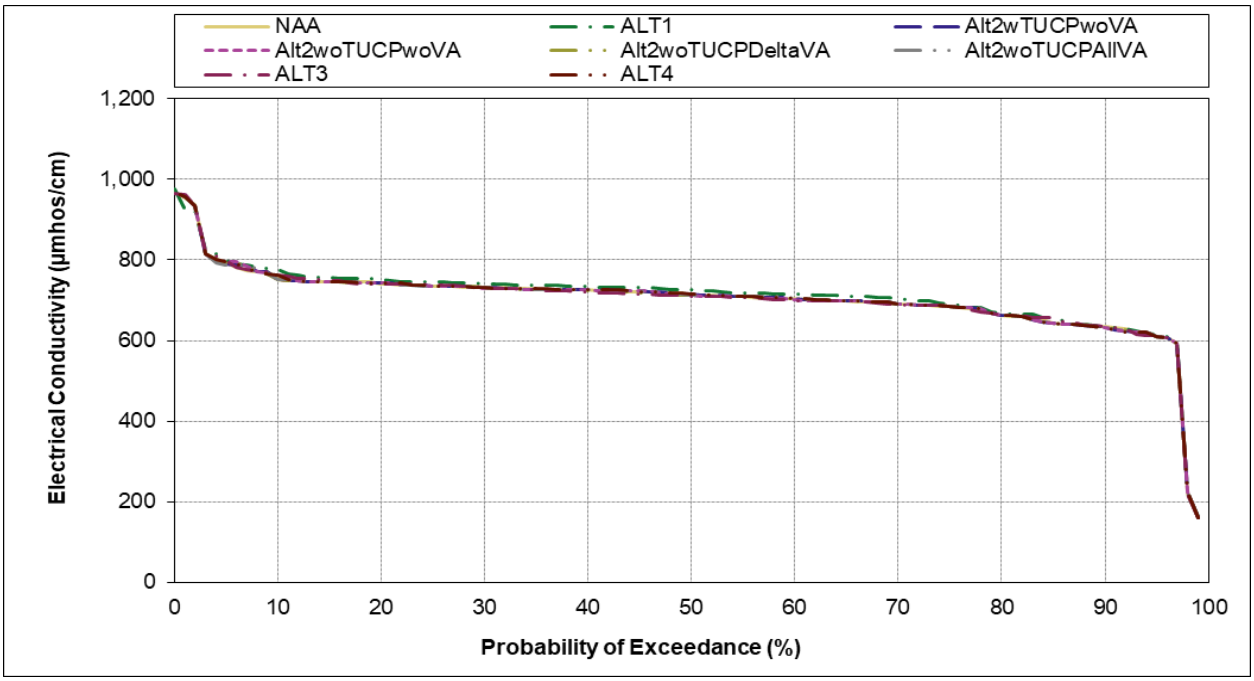

Figure G.1-8-17. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), November

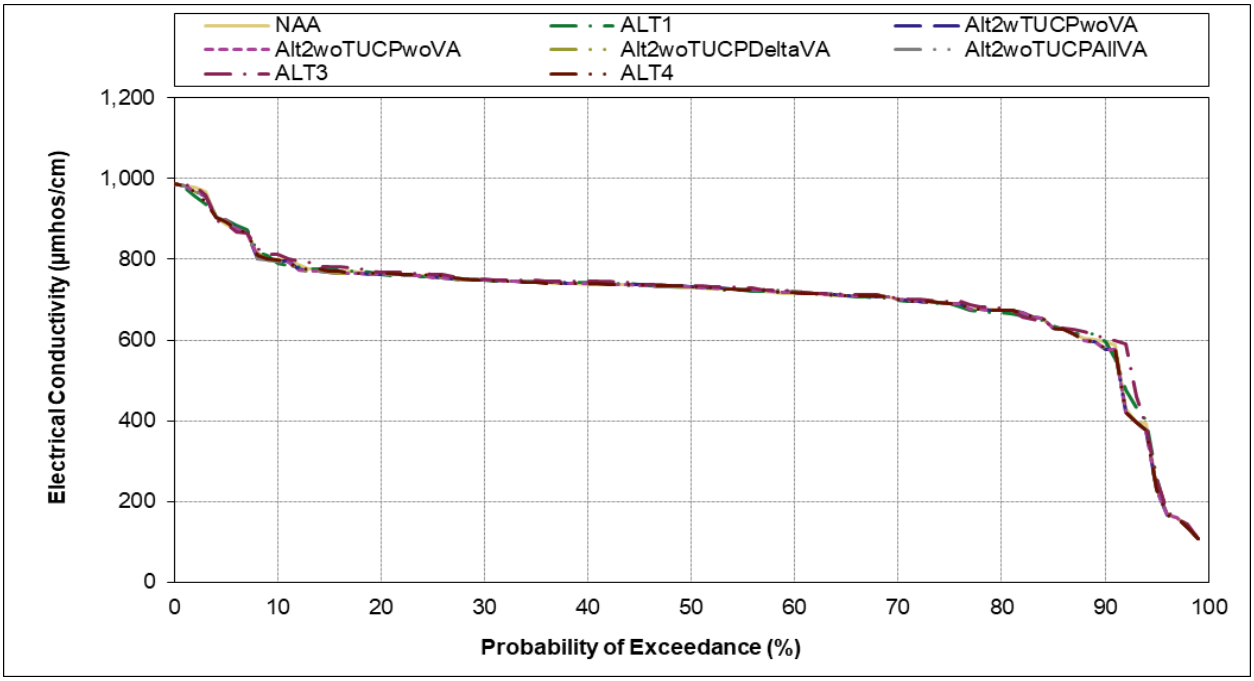

Figure G.1-8-18. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), December

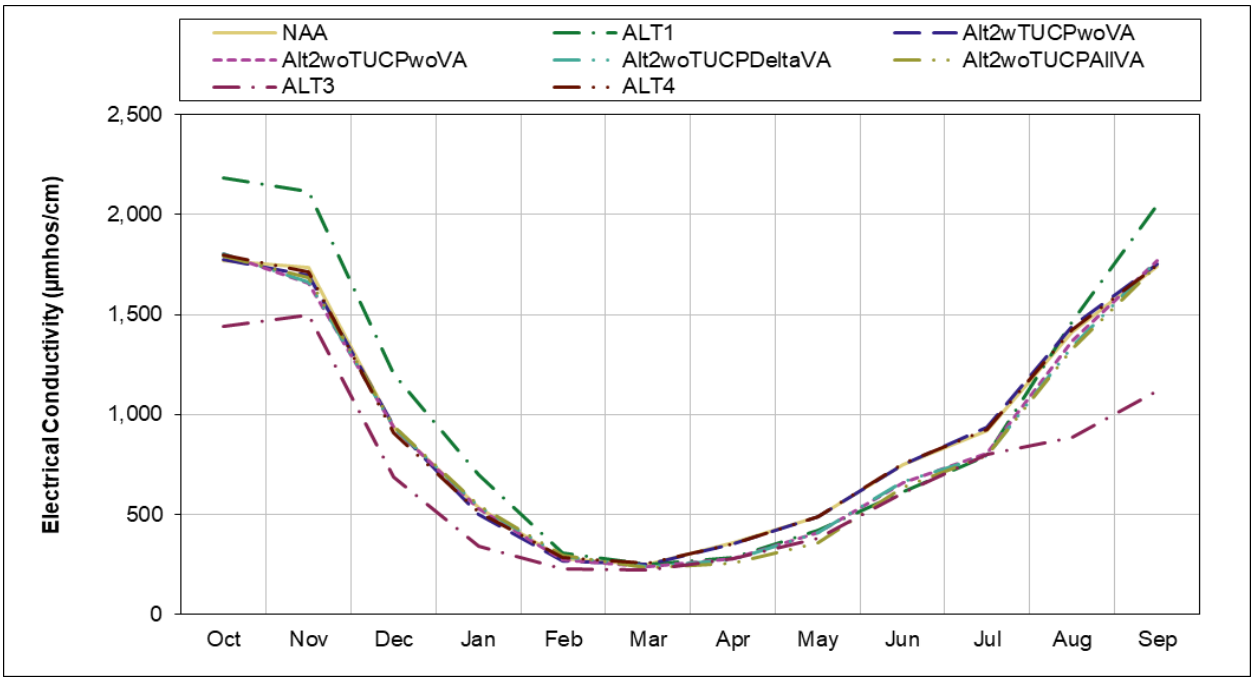

Figure G.1-9-1. Sacramento River at Emmaton, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)

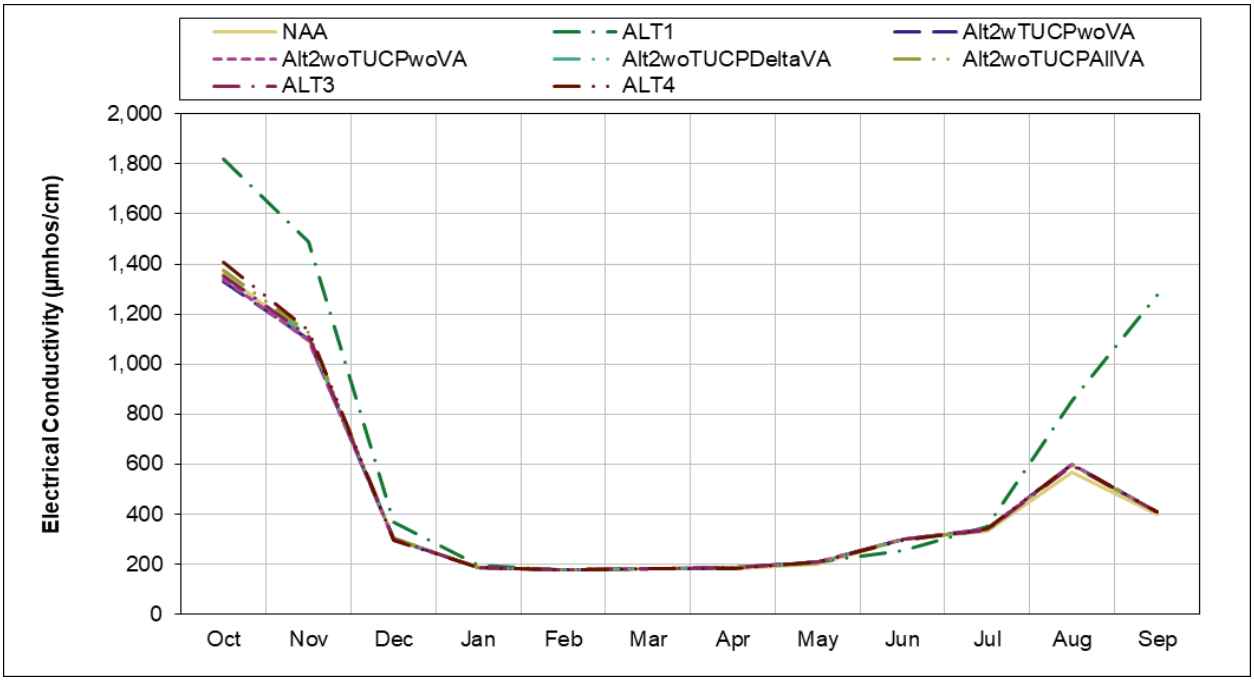

Figure G.1-9-2. Sacramento River at Emmaton, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

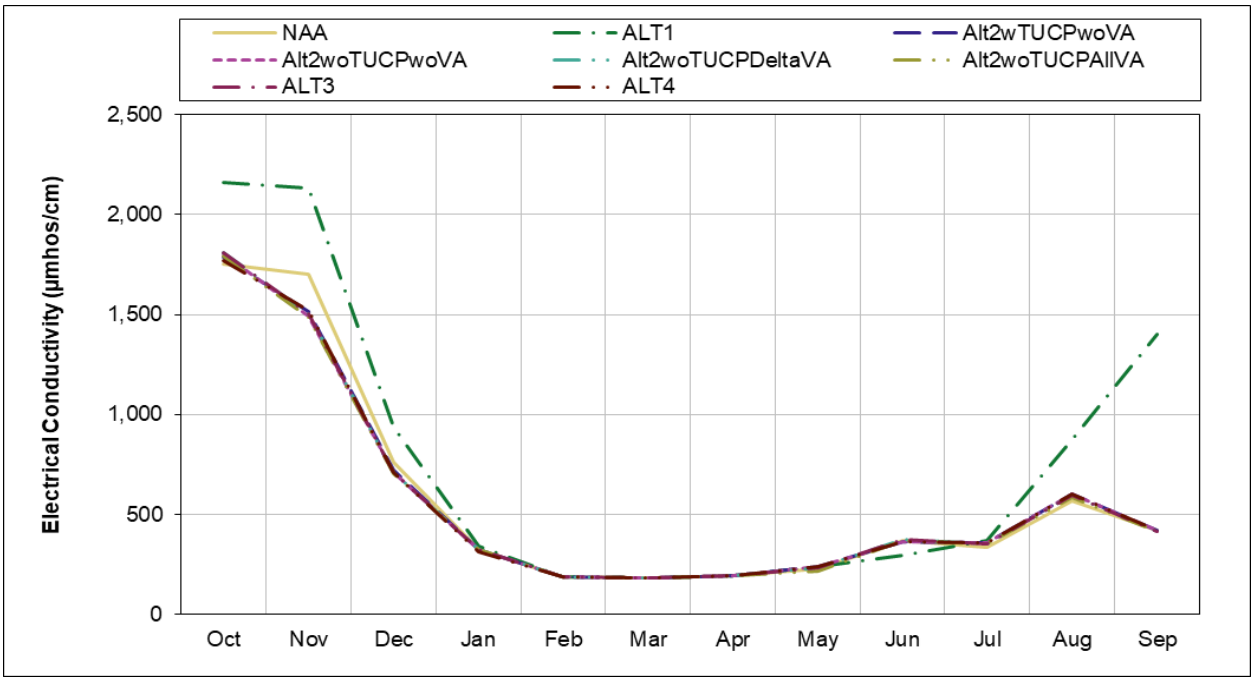

Figure G.1-9-3. Sacramento River at Emmaton, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

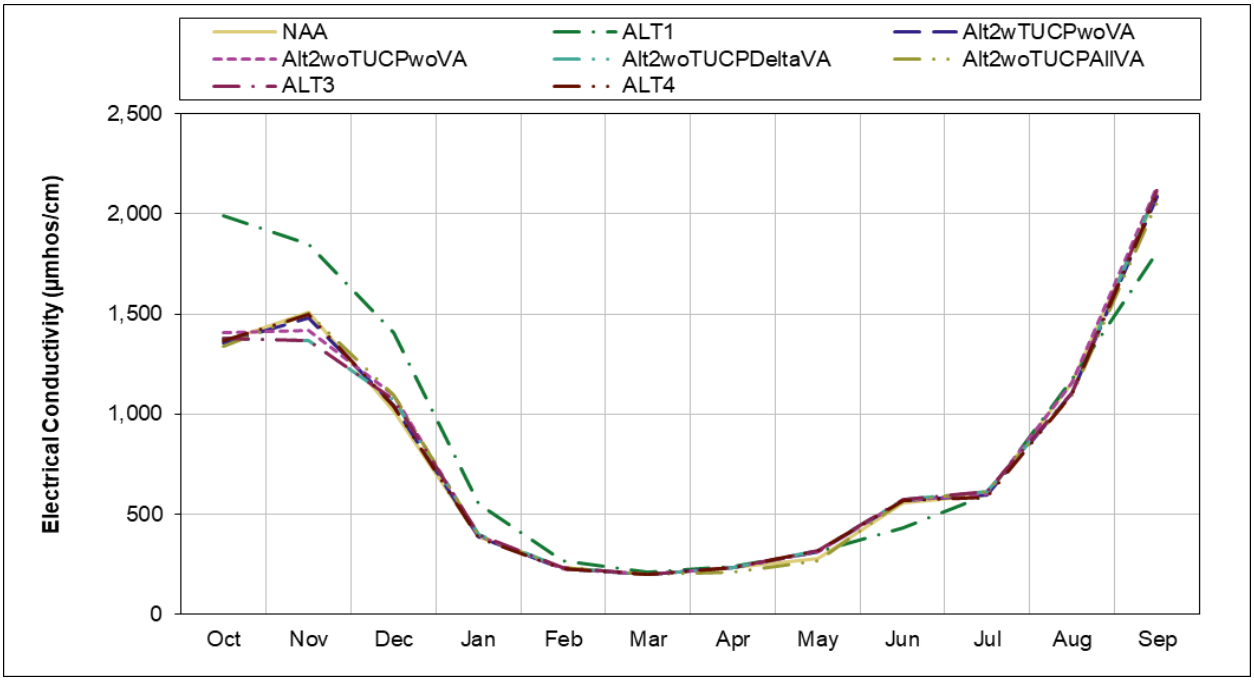

Figure G.1-9-4. Sacramento River at Emmaton, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

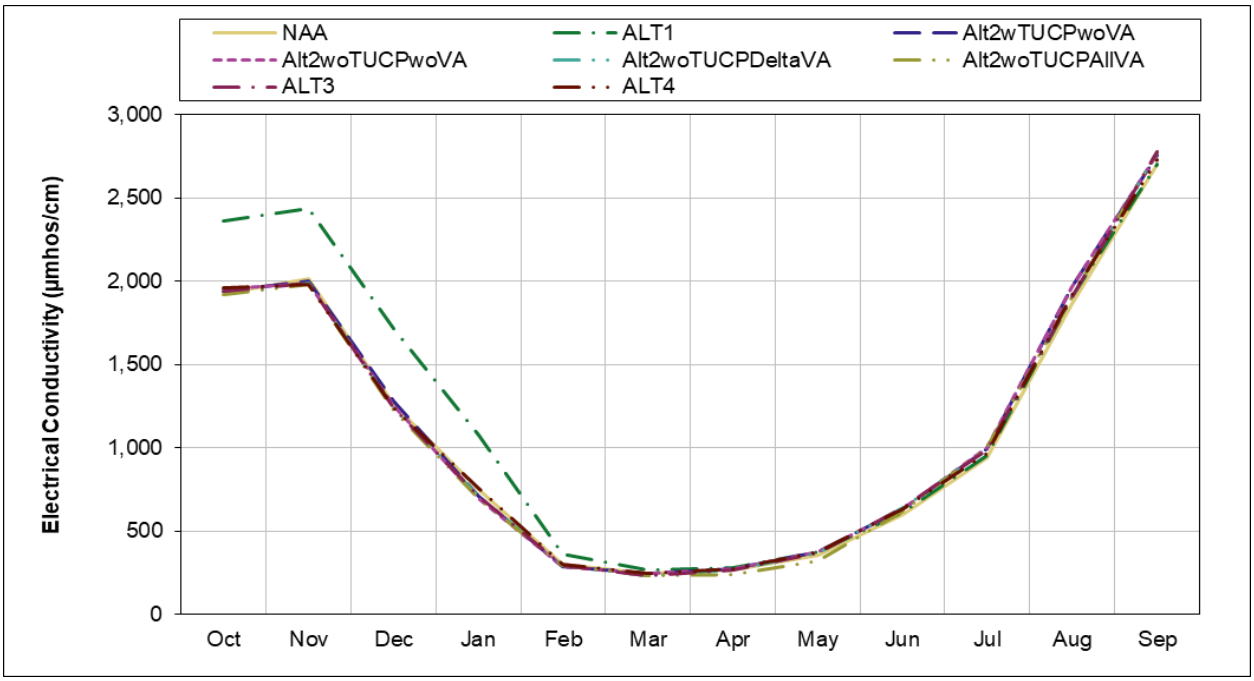

Figure G.1-9-5. Sacramento River at Emmaton, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

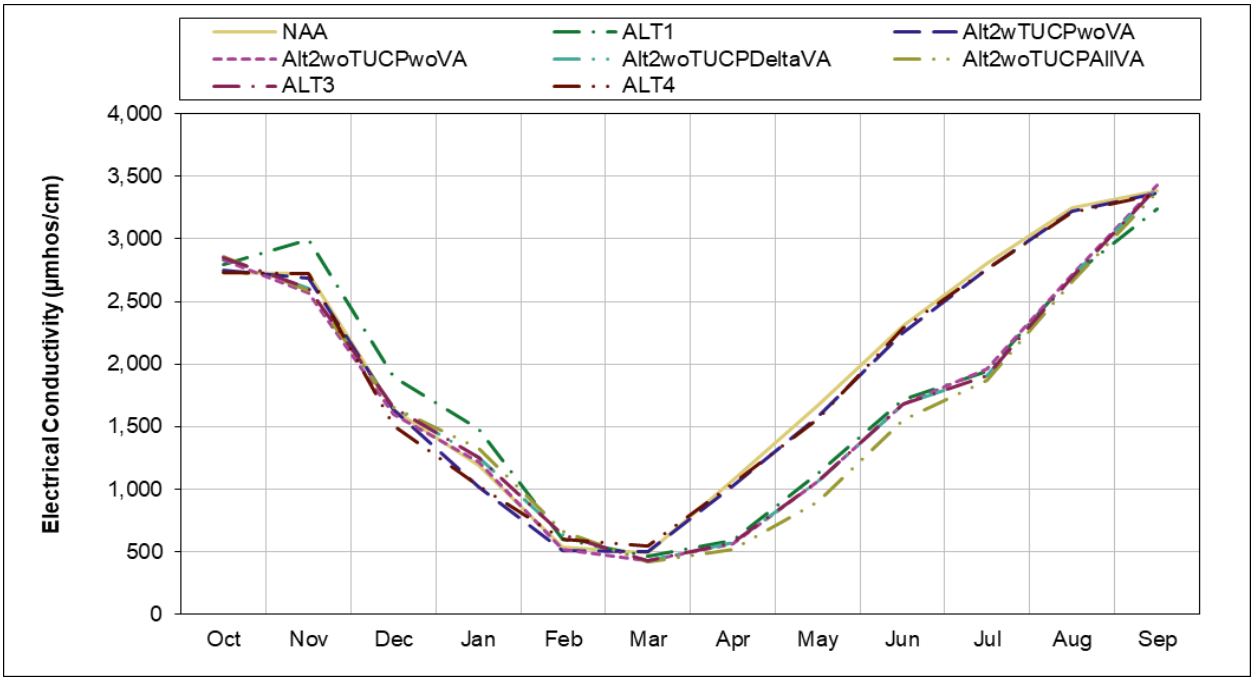

Figure G.1-9-6. Sacramento River at Emmaton, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

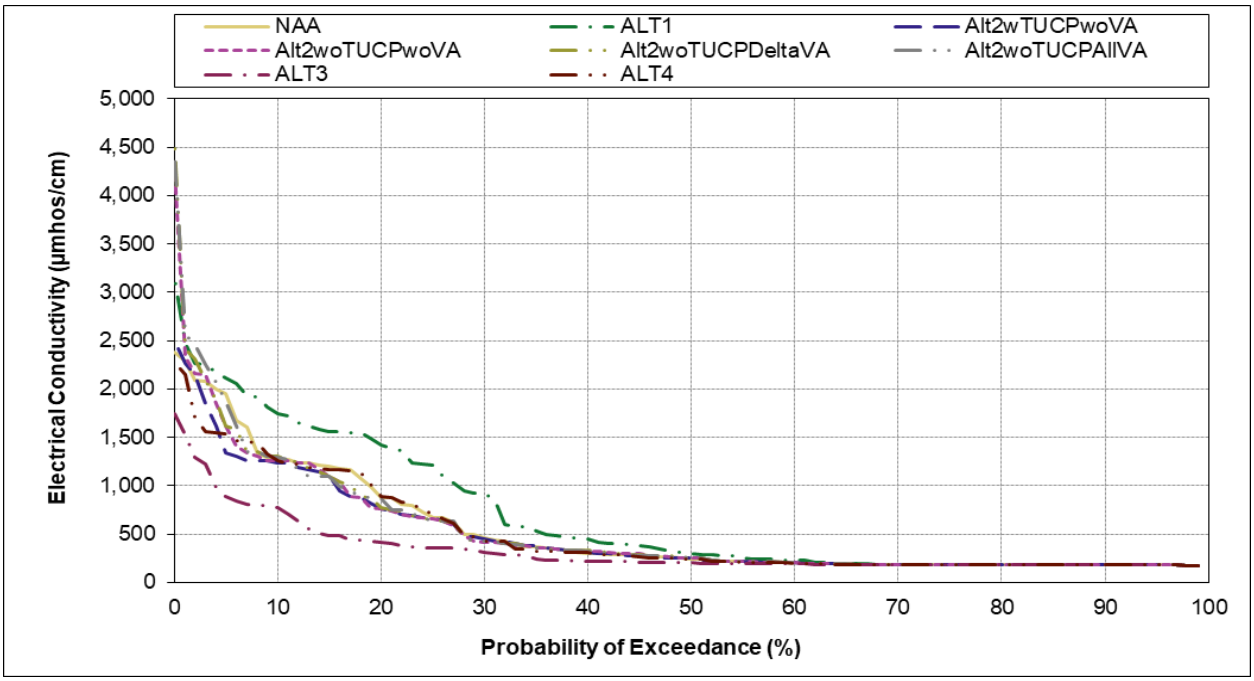

Figure G.1-9-7. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), January

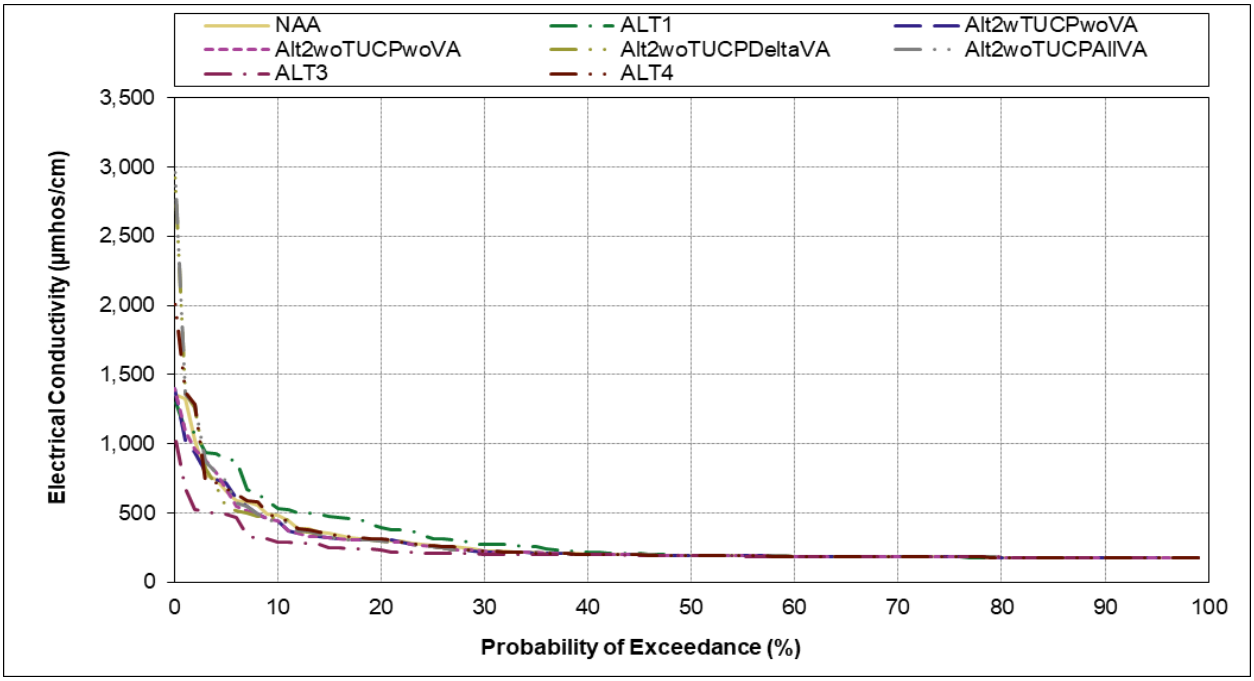

Figure G.1-9-8. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), February

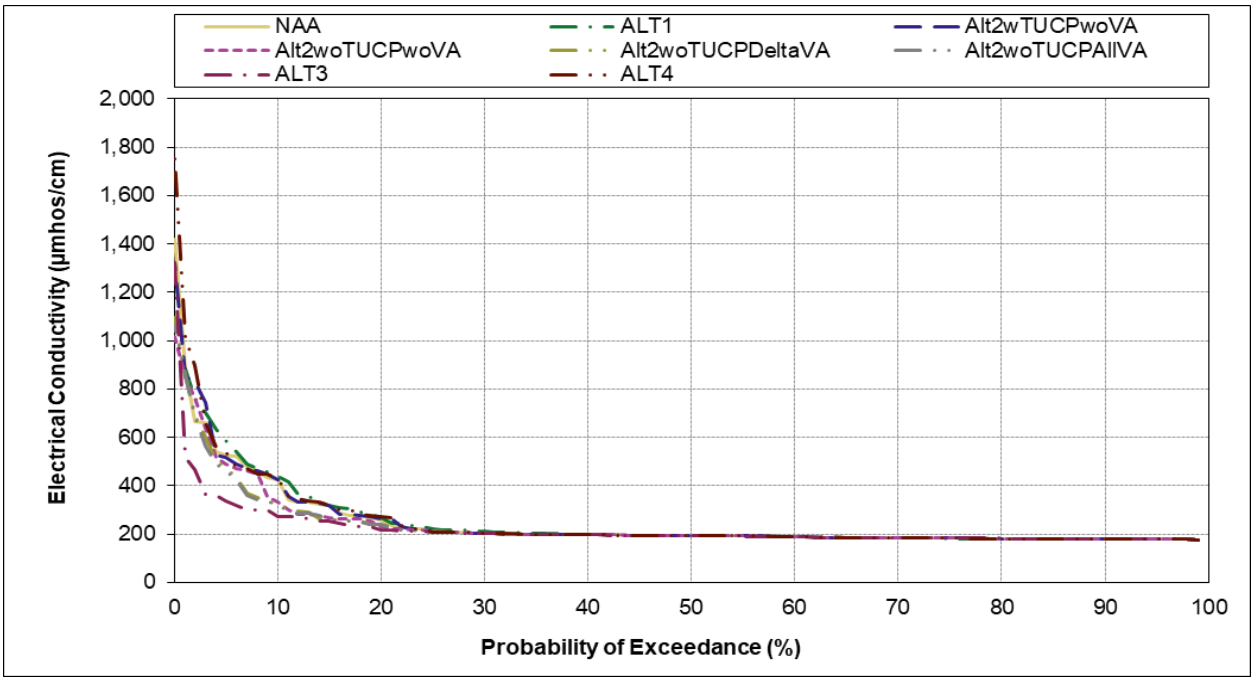

Figure G.1-9-9. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), March

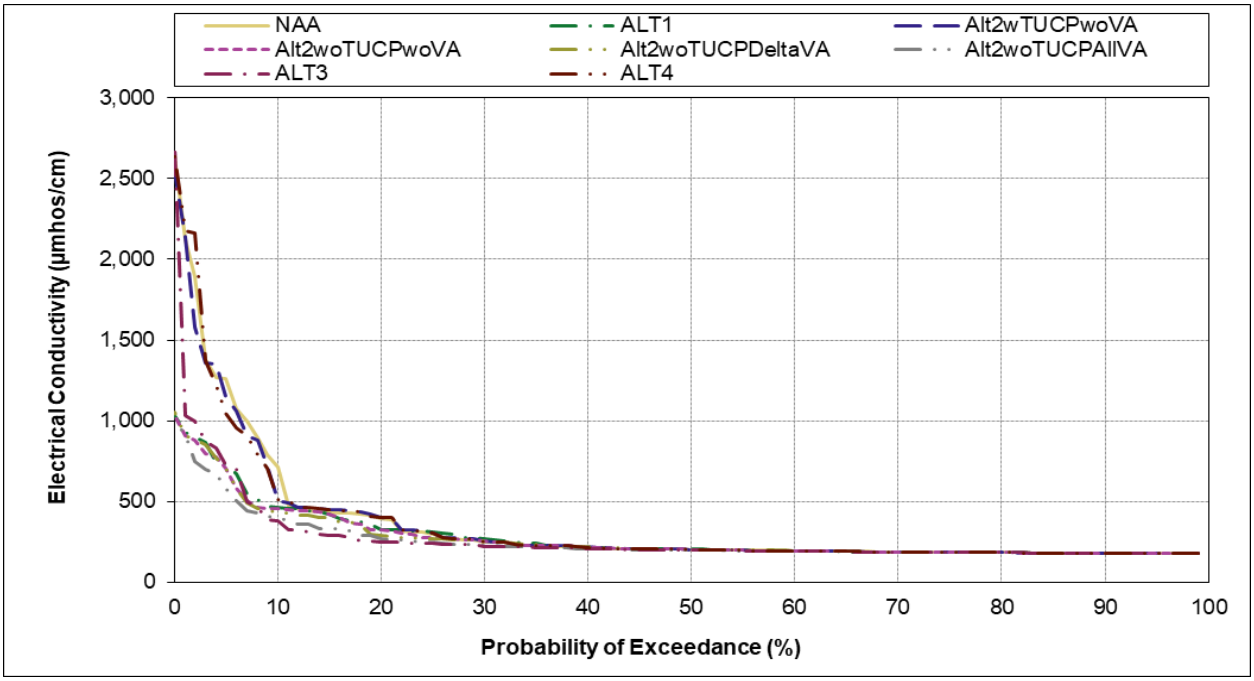

Figure G.1-9-10. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), April

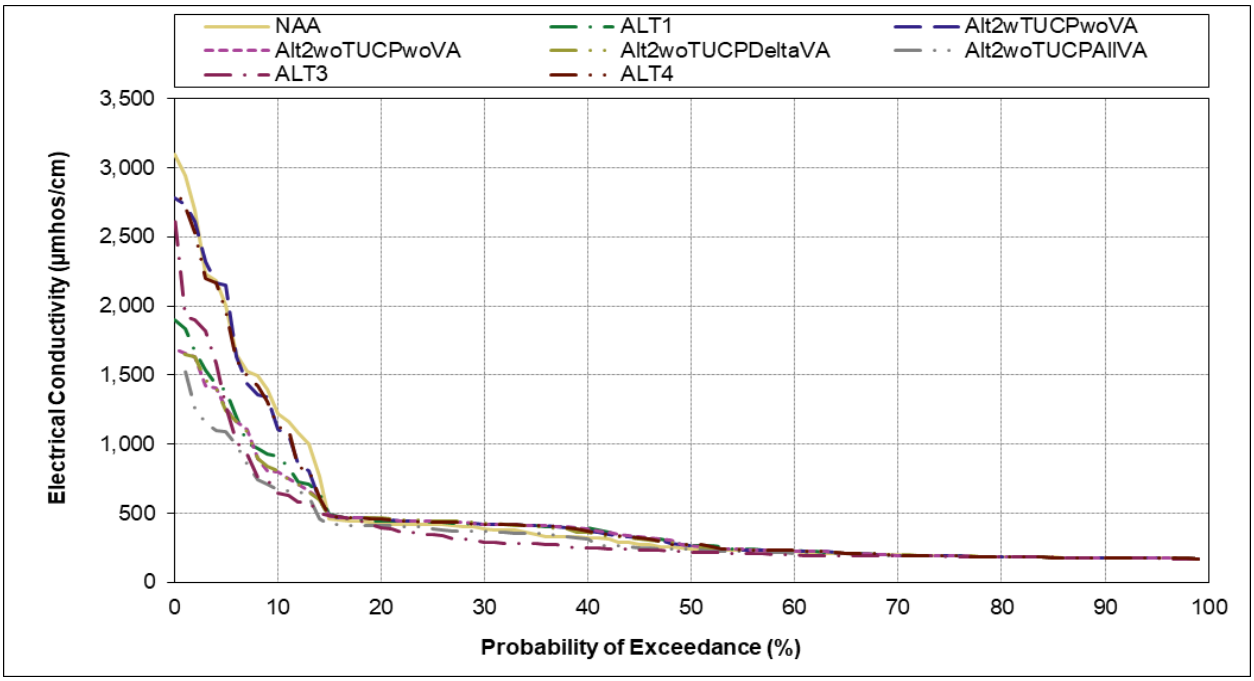

Figure G.1-9-11. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), May

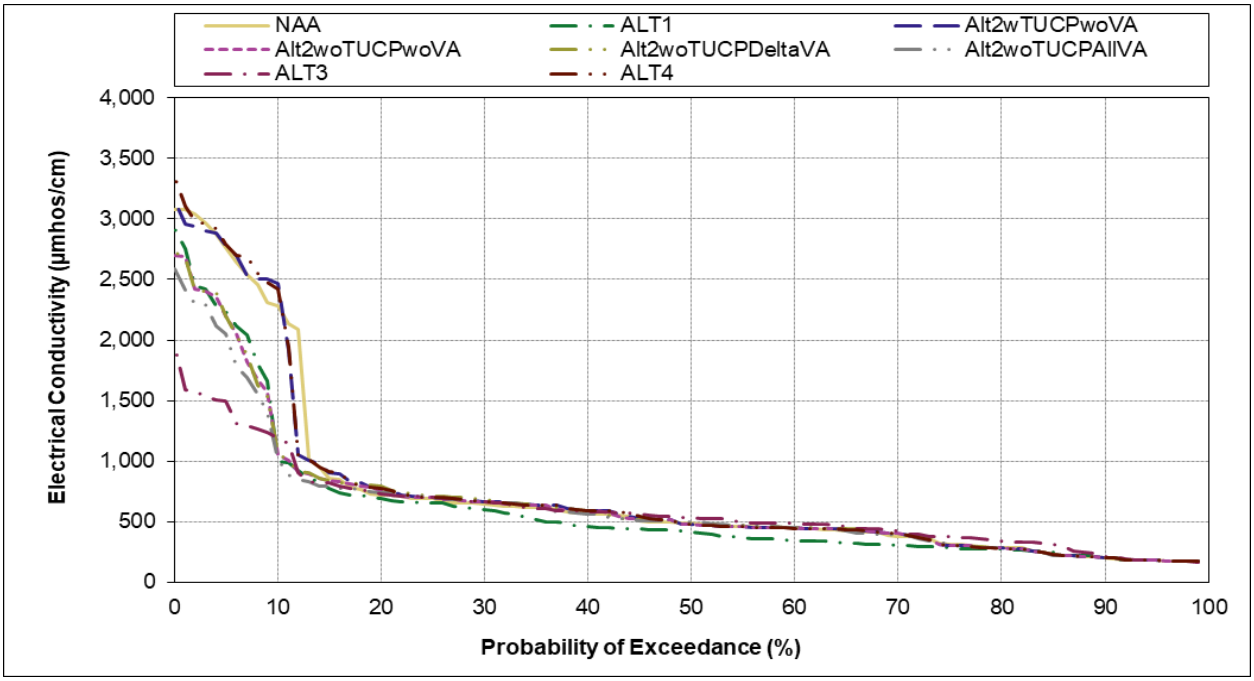

Figure G.1-9-12. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), June

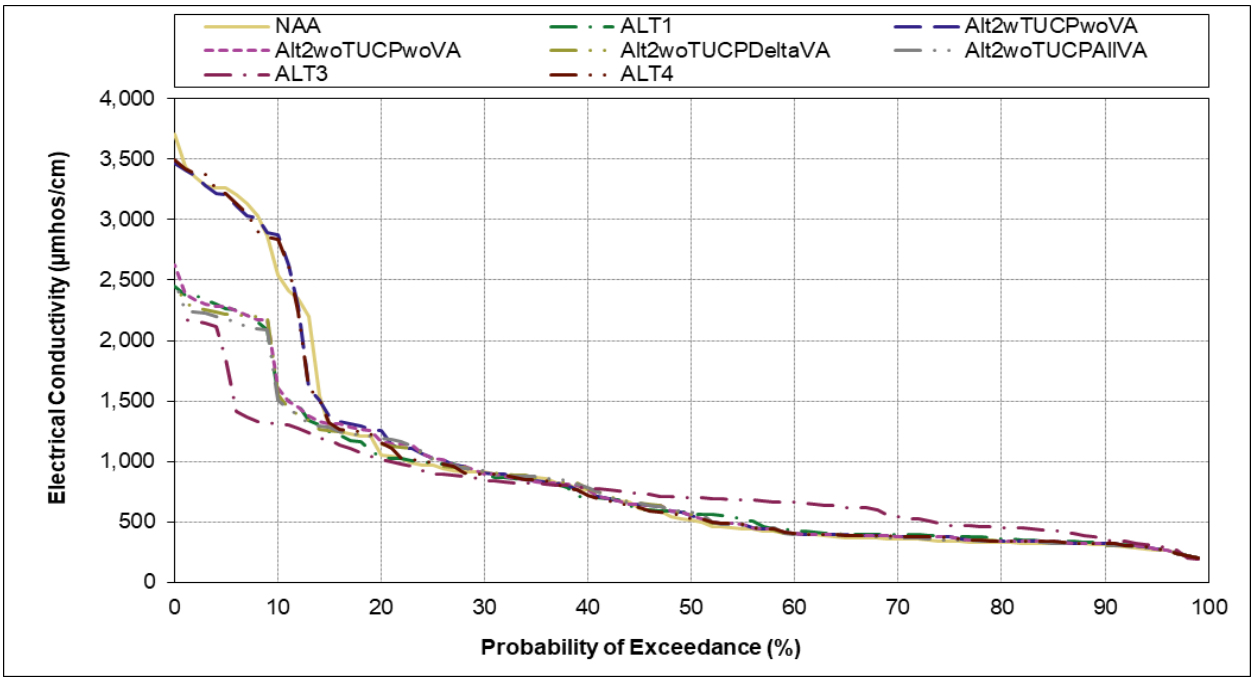

Figure G.1-9-13. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), July

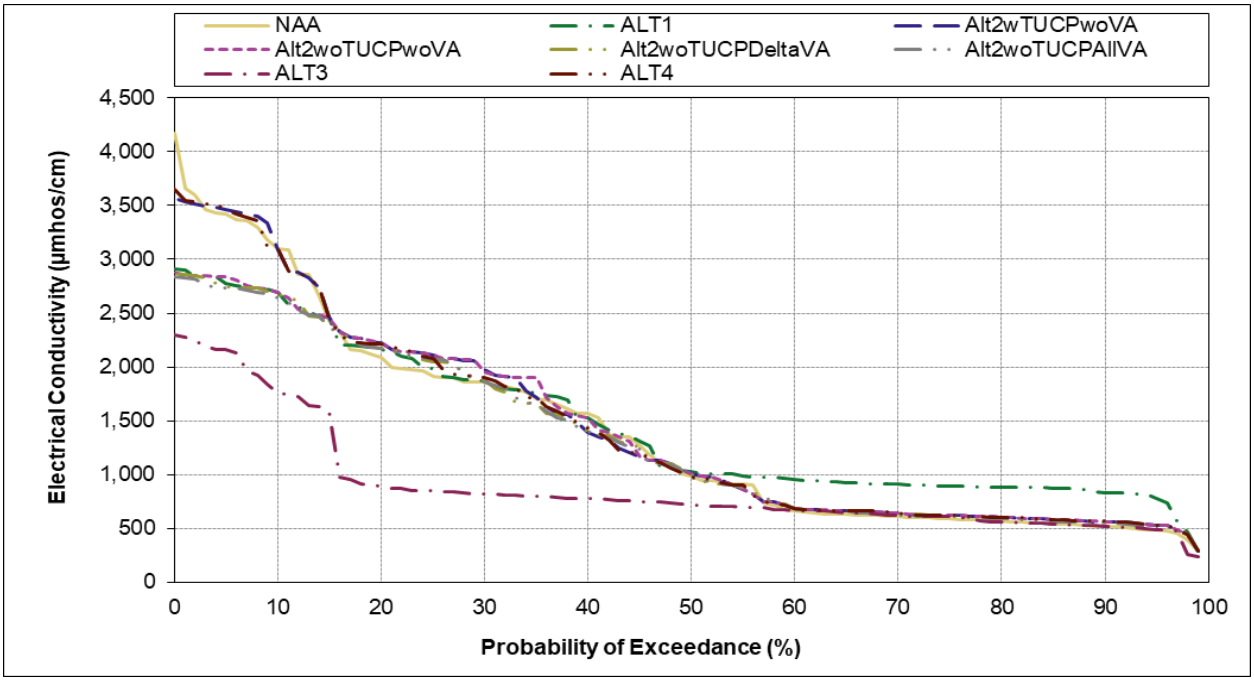

Figure G.1-9-14. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), August

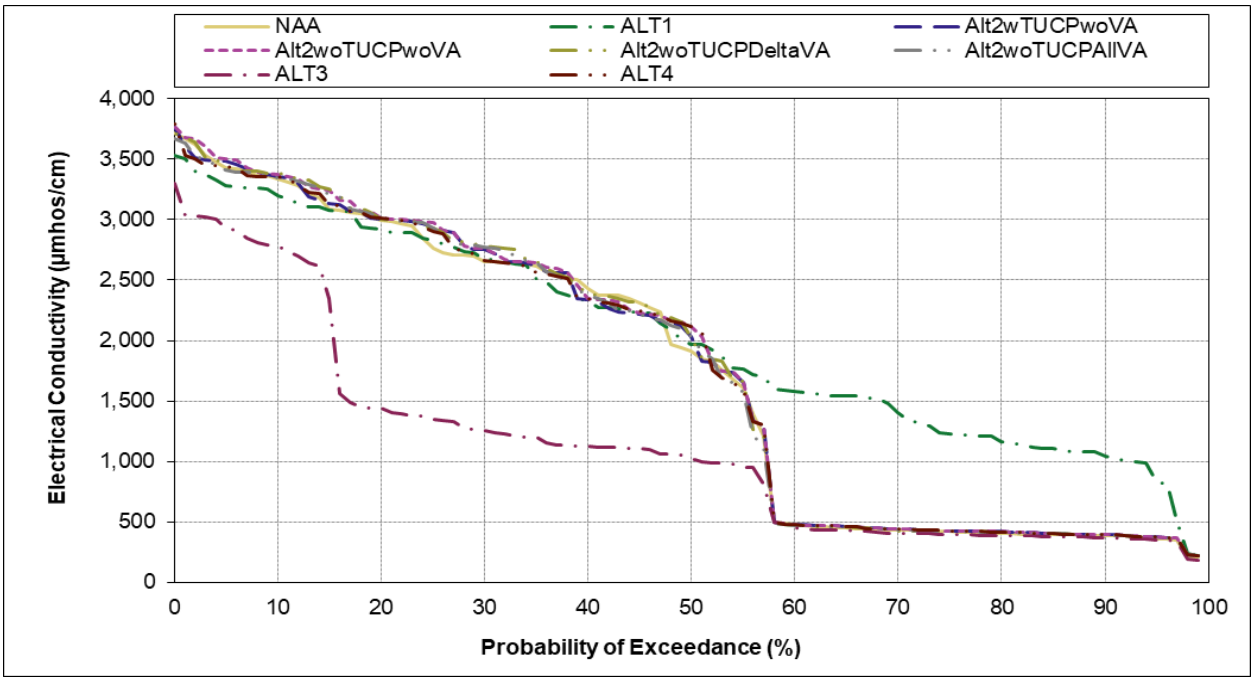

Figure G.1-9-15. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), September

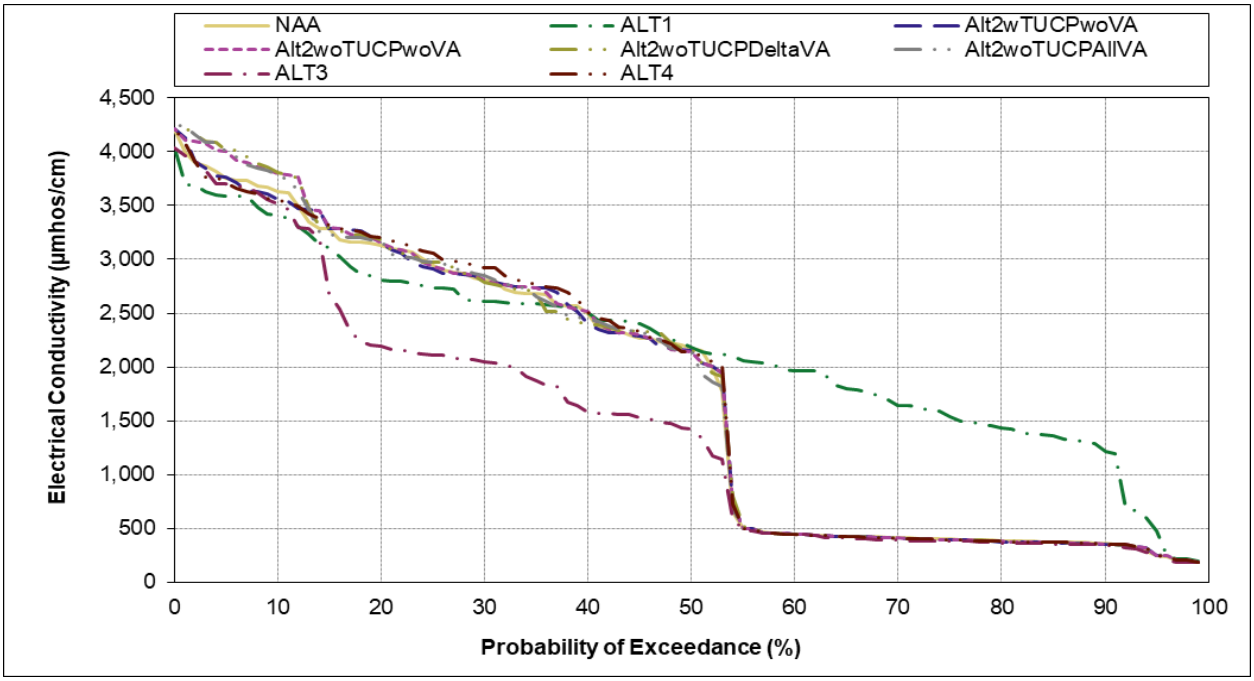

Figure G.1-9-16. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), October

This figure shows data also presented in data tables in this file.

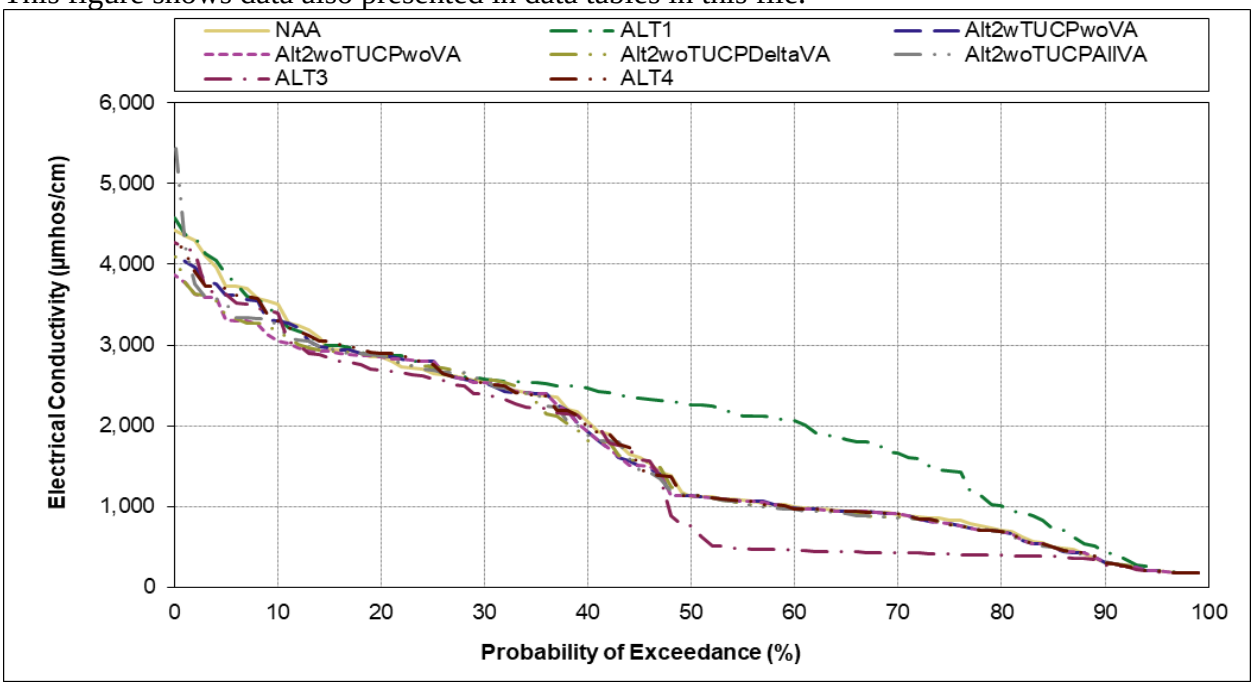

Figure G.1-9-17. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), November

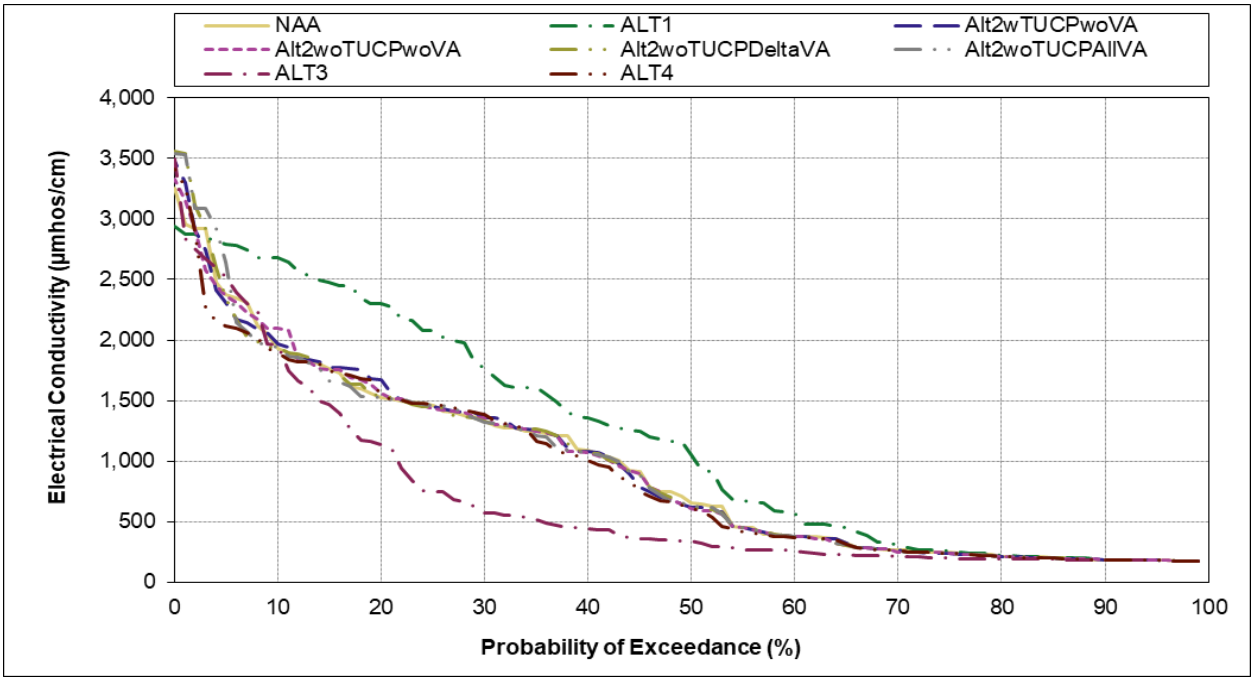

Figure G.1-9-18. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), December

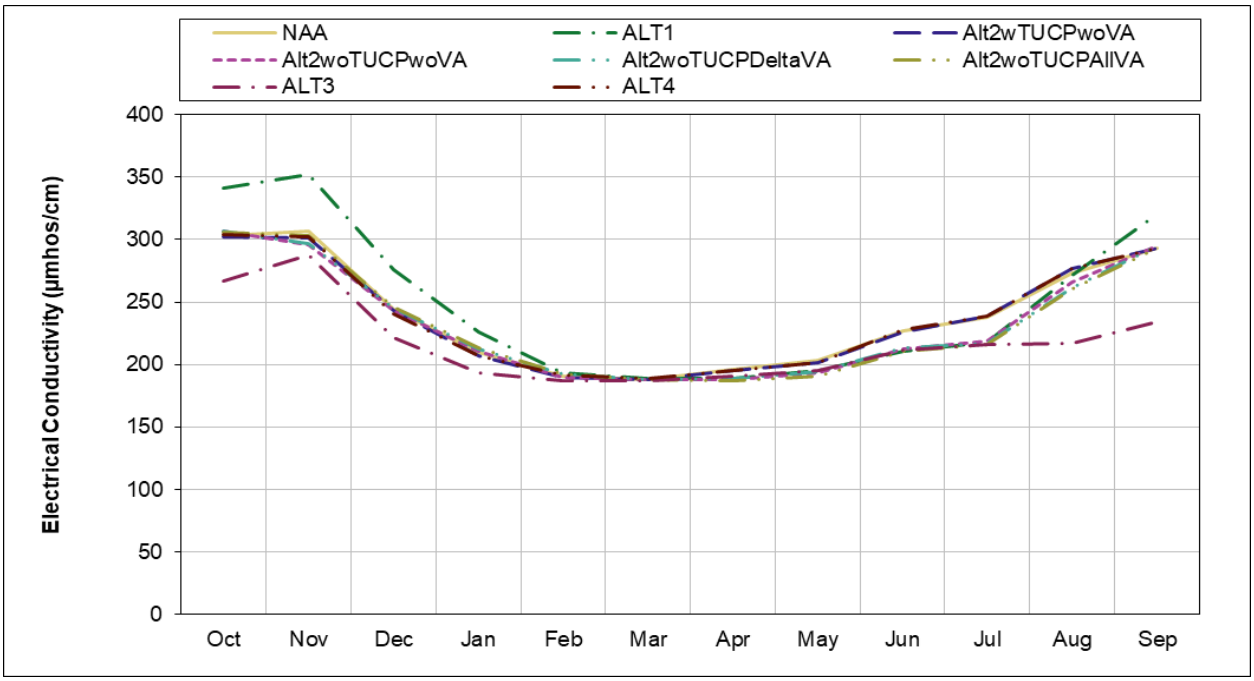

Figure G.1-10-1. Sacramento River at Rio Vista, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)

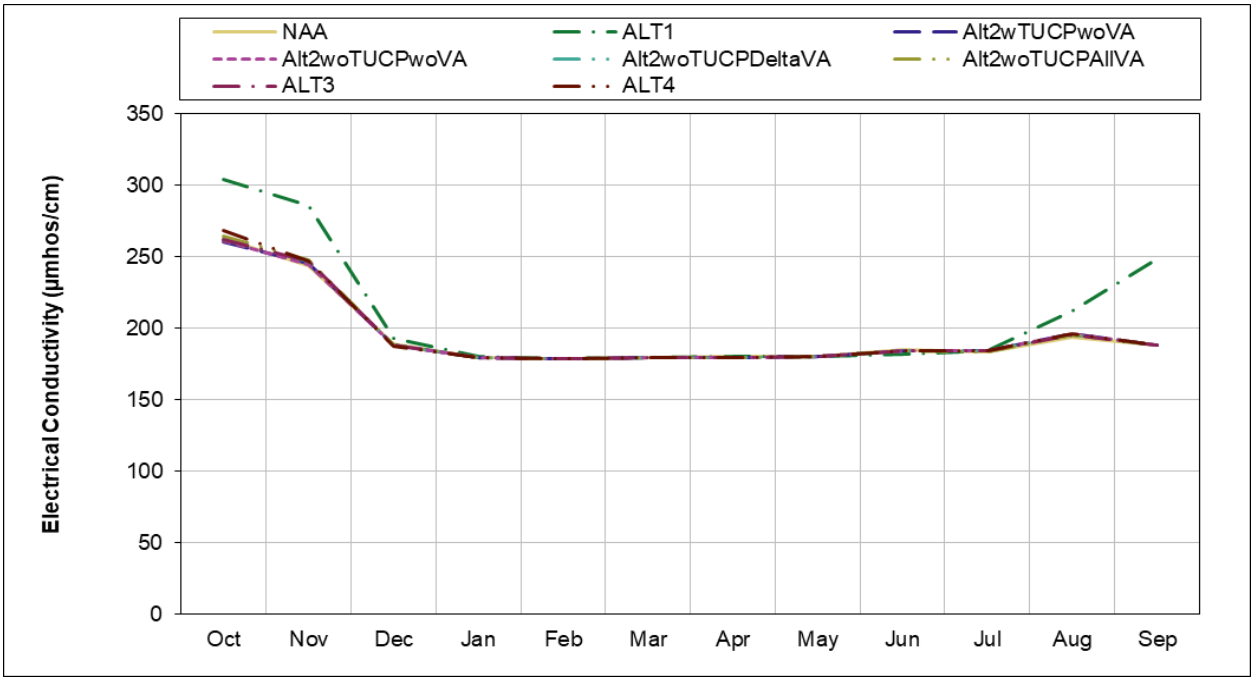

Figure G.1-10-2. Sacramento River at Rio Vista, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

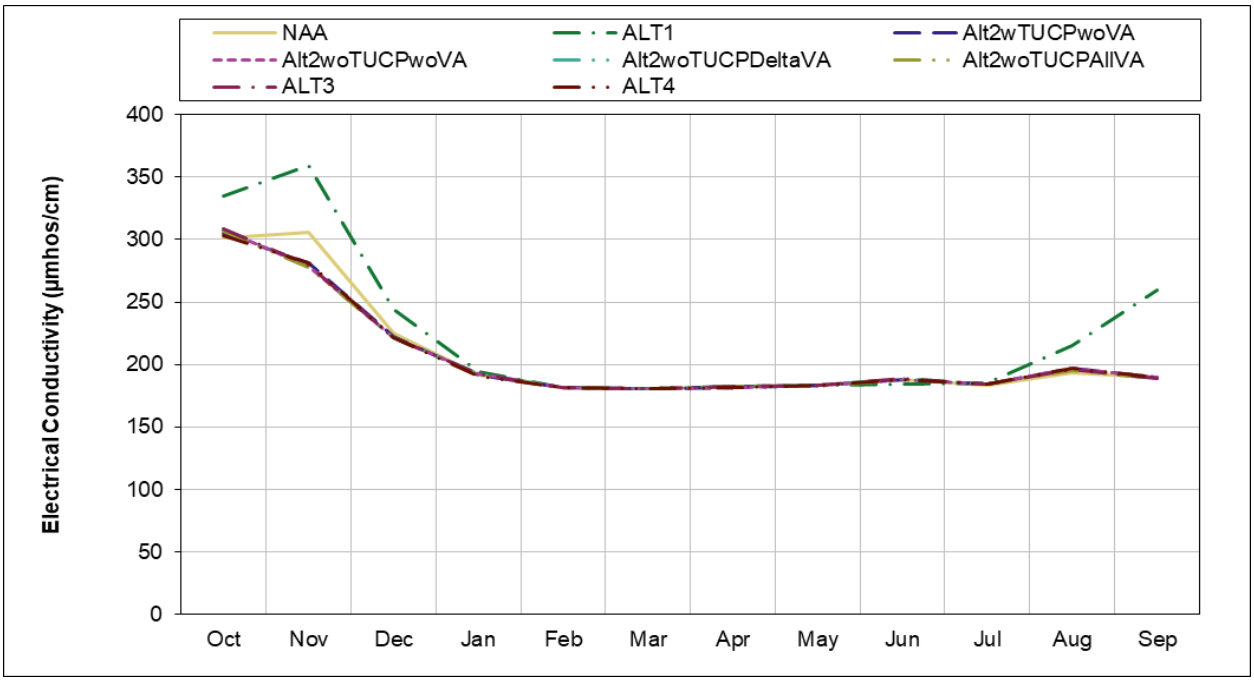

Figure G.1-10-3. Sacramento River at Rio Vista, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

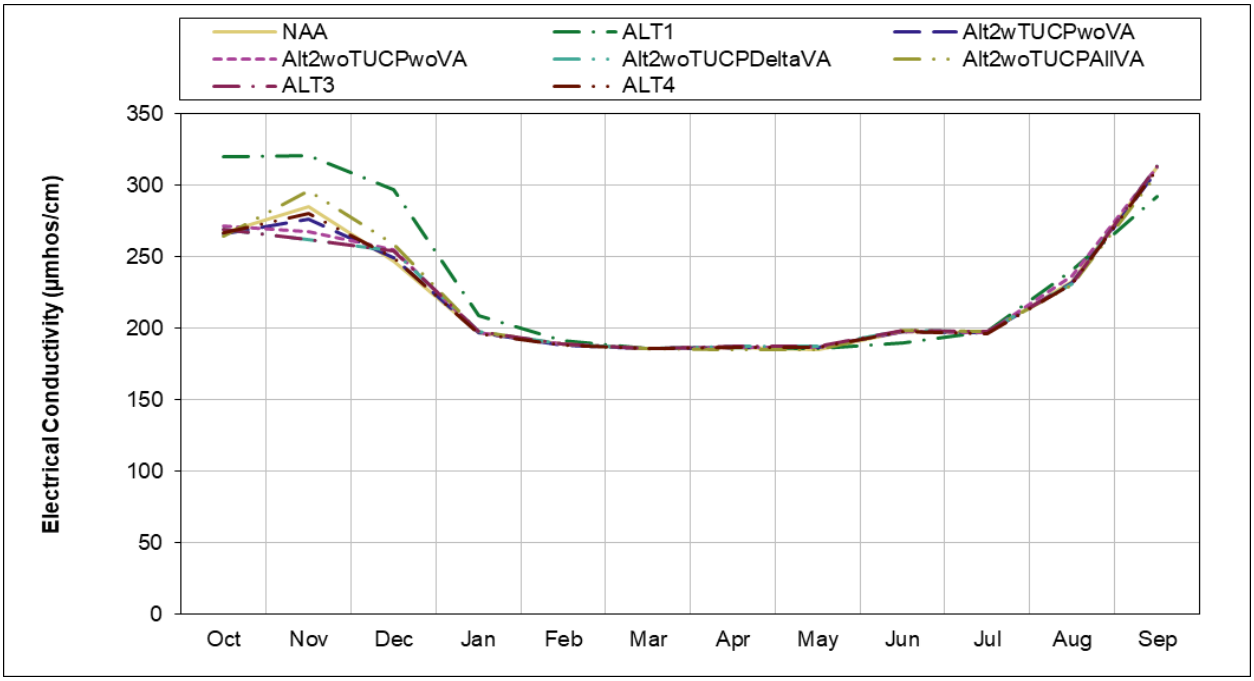

Figure G.1-10-4. Sacramento River at Rio Vista, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

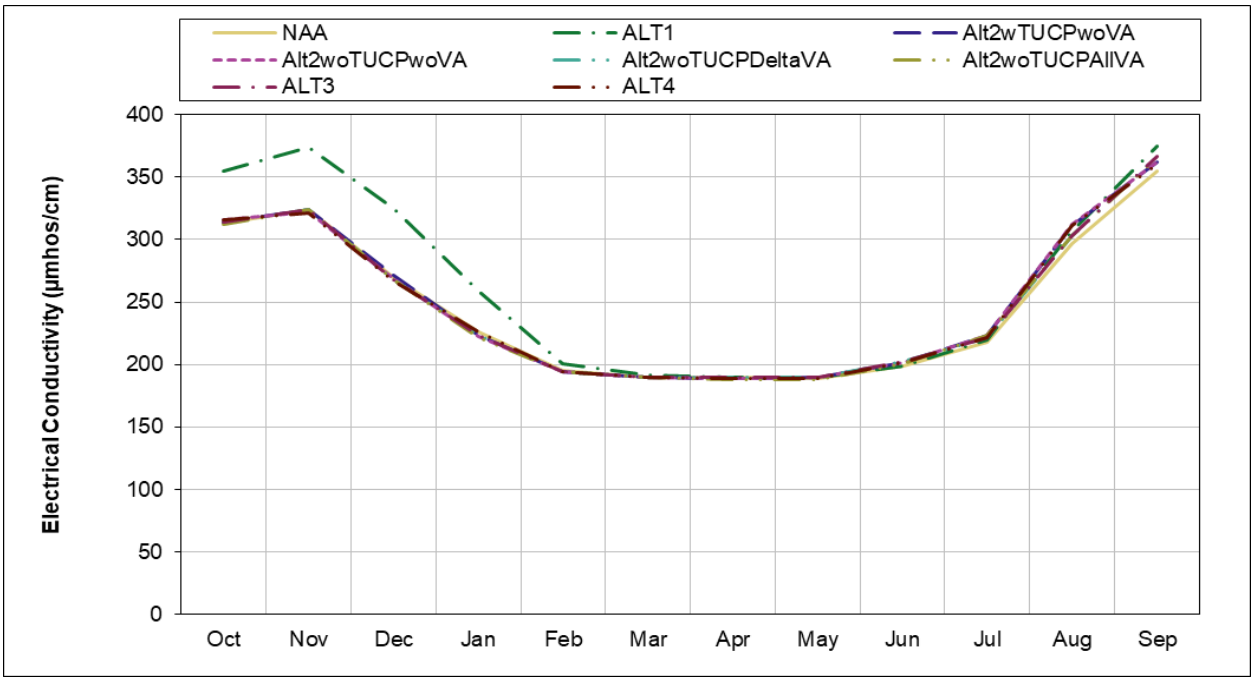

Figure G.1-10-5. Sacramento River at Rio Vista, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

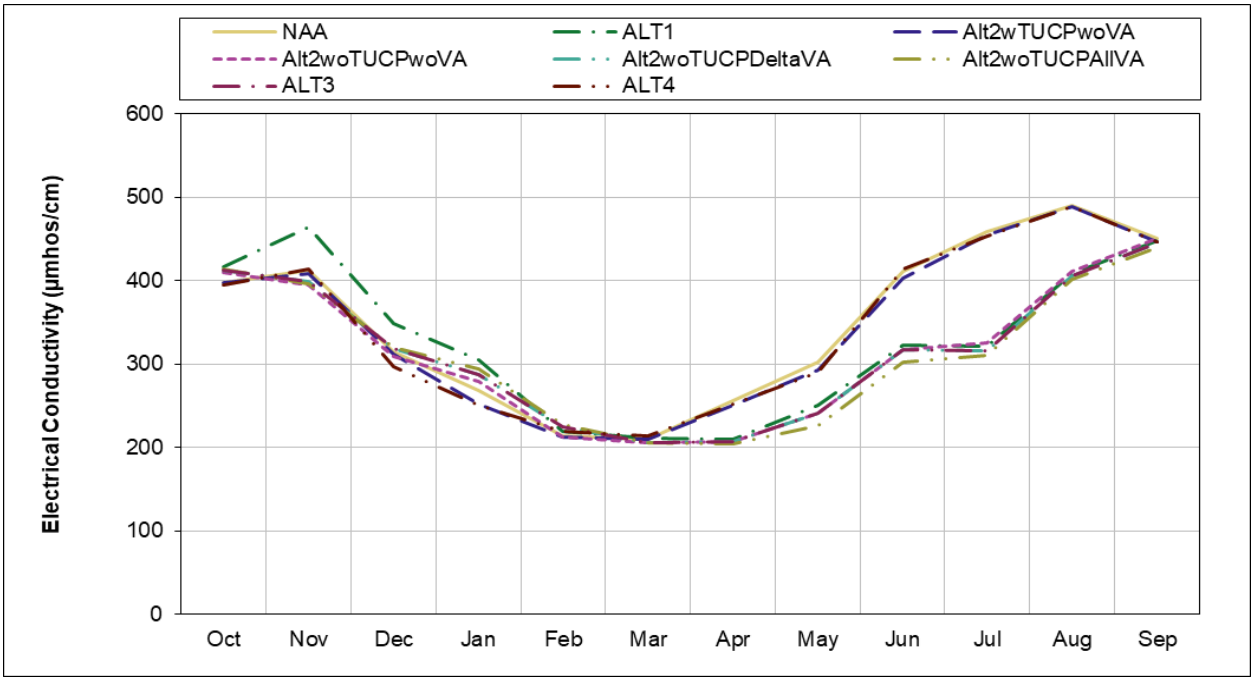

Figure G.1-10-6. Sacramento River at Rio Vista, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

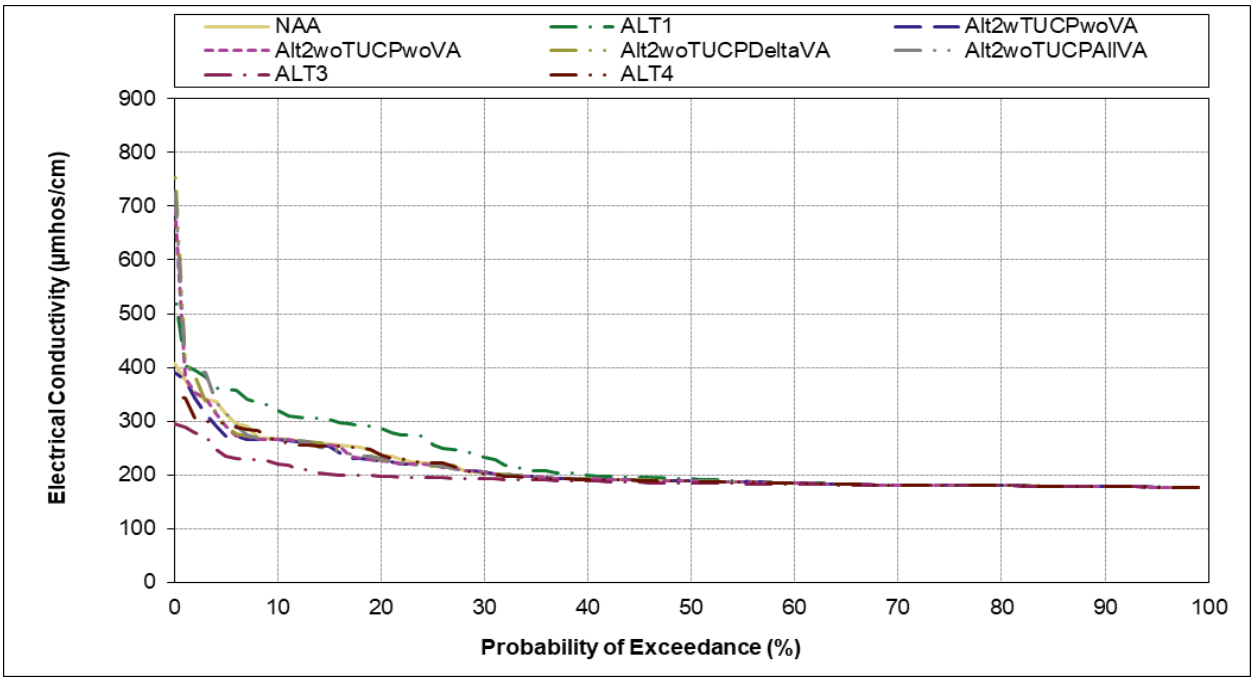

Figure G.1-10-7. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), January

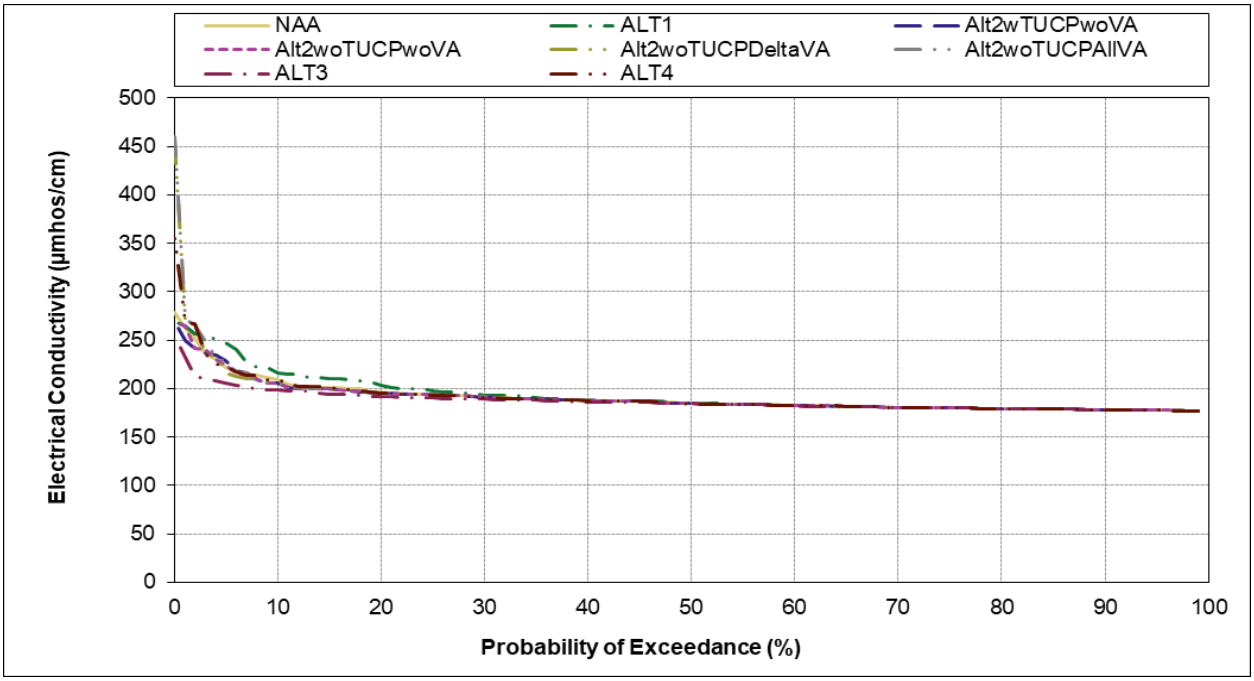

Figure G.1-10-8. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), February

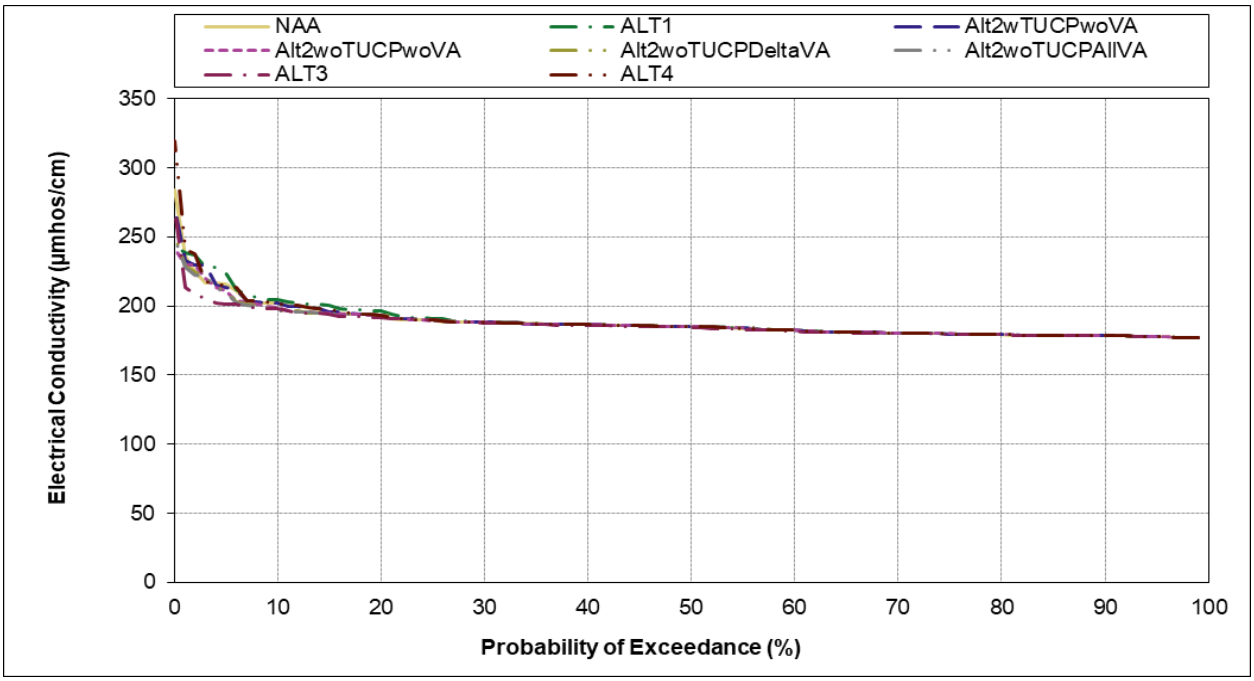

Figure G.1-10-9. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), March

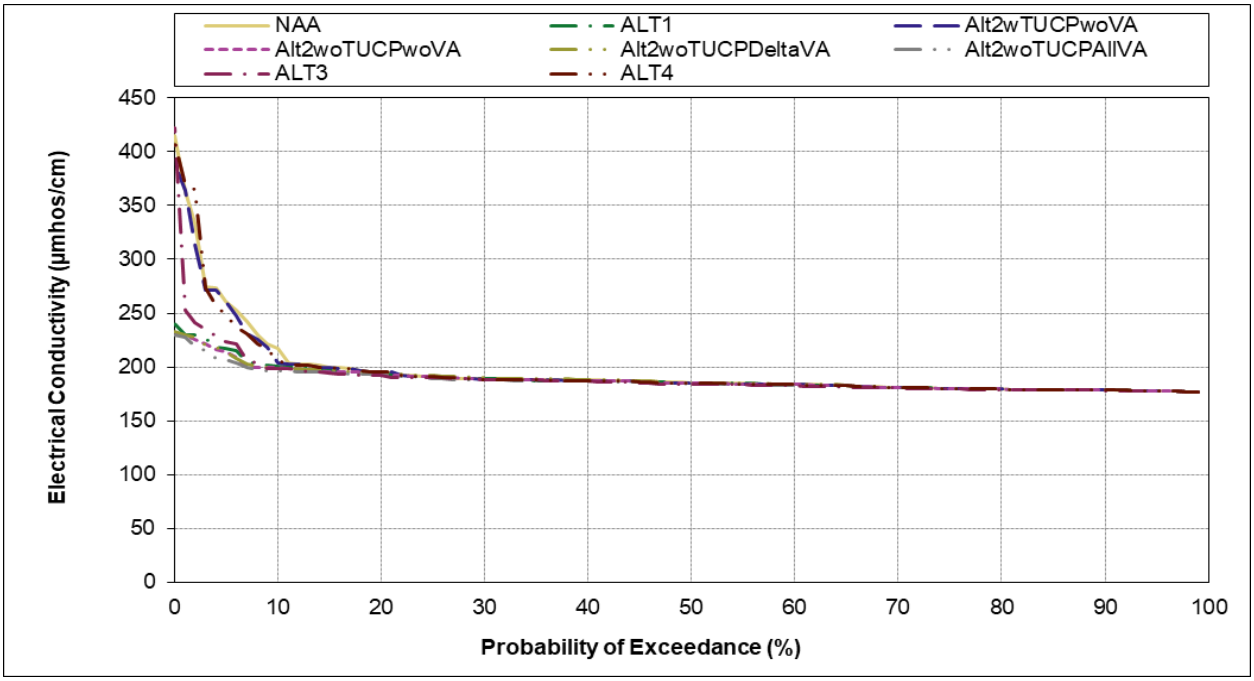

Figure G.1-10-10. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), April

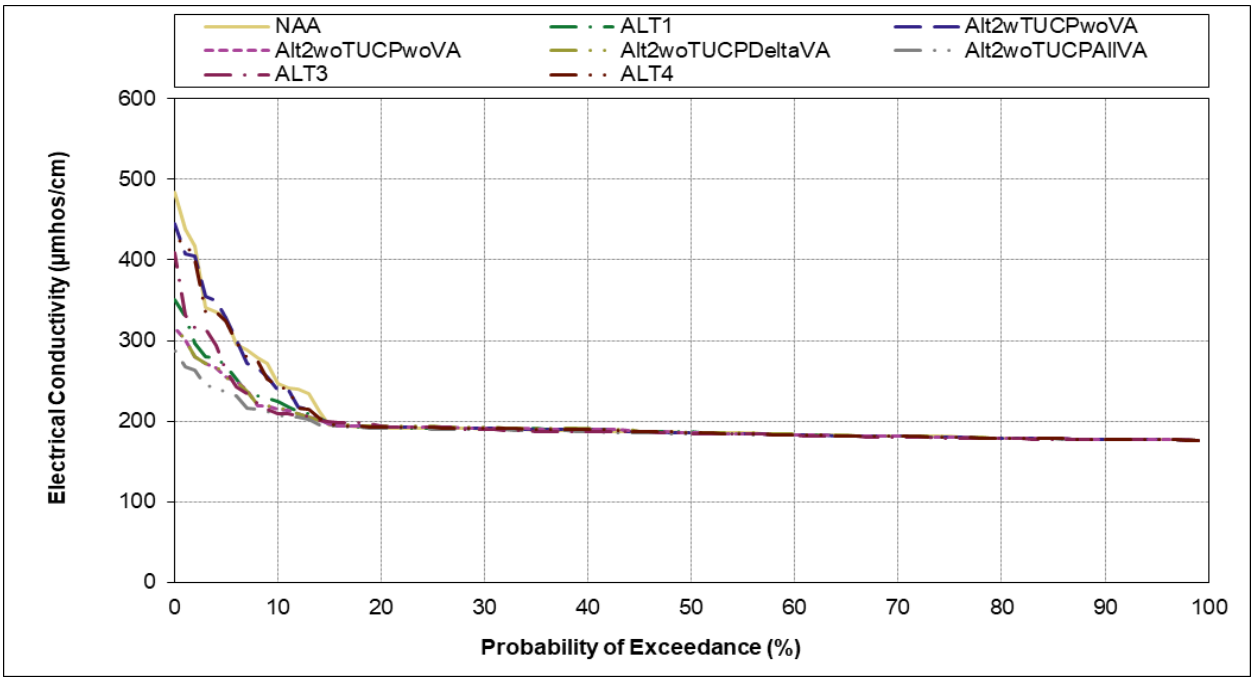

Figure G.1-10-11. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), May

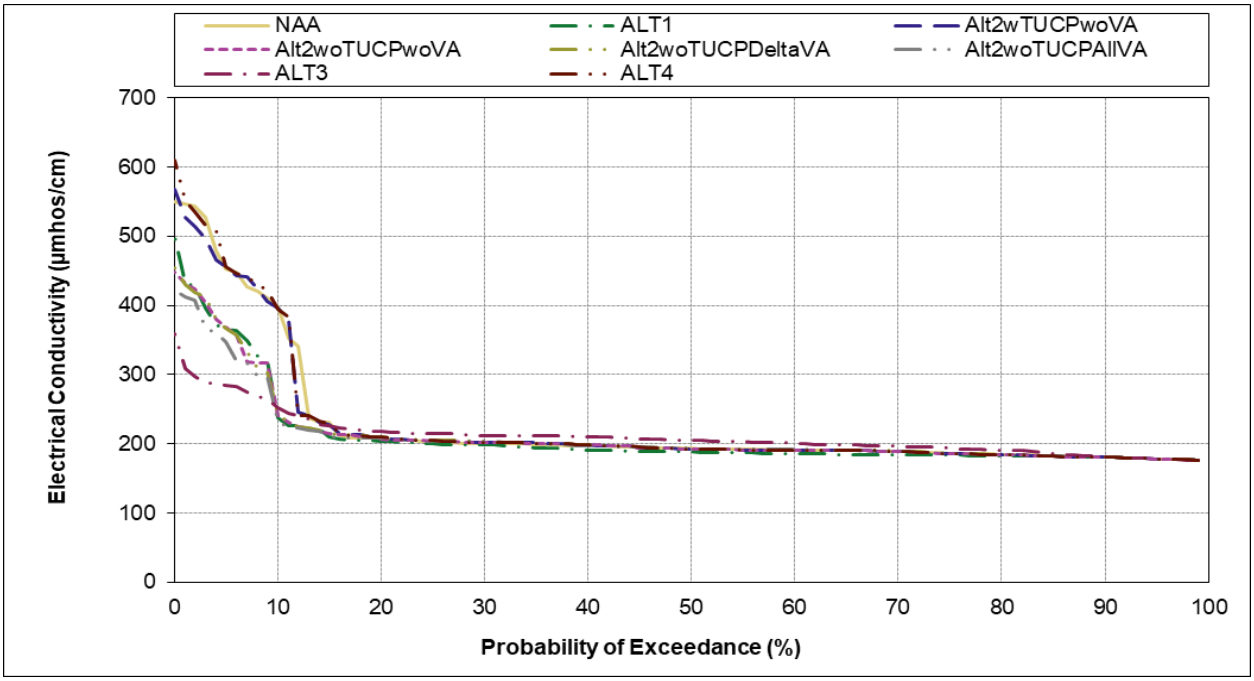

Figure G.1-10-12. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), June

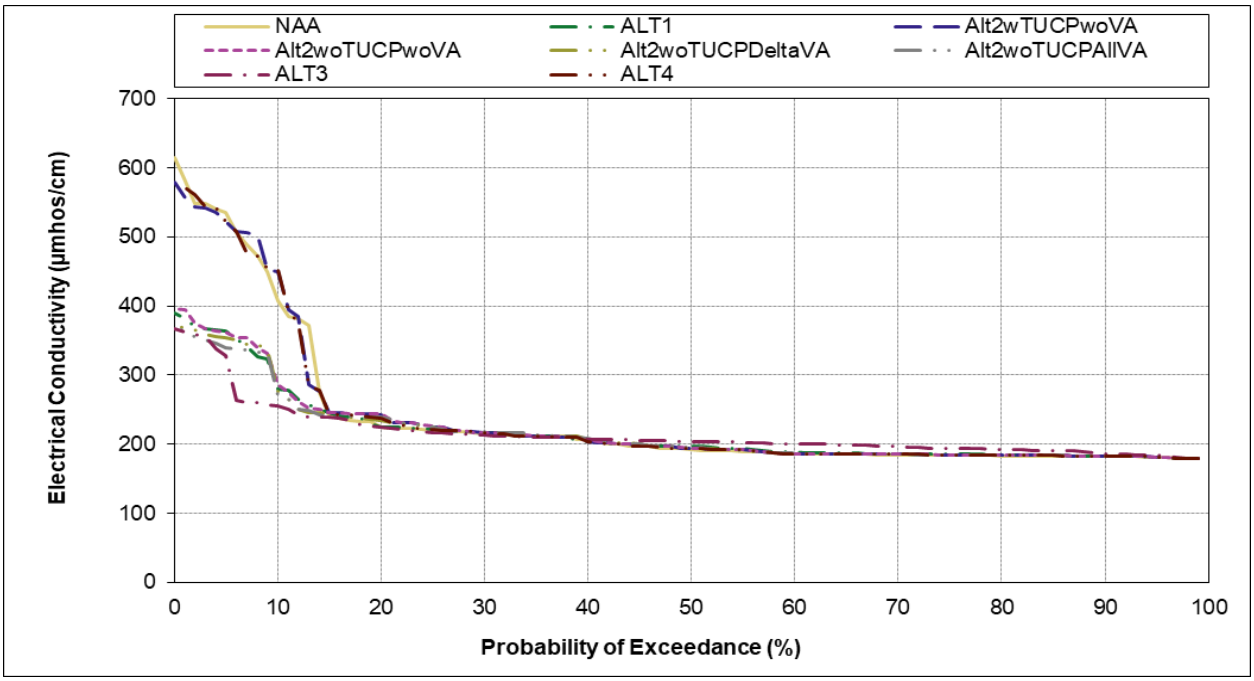

Figure G.1-10-13. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), July

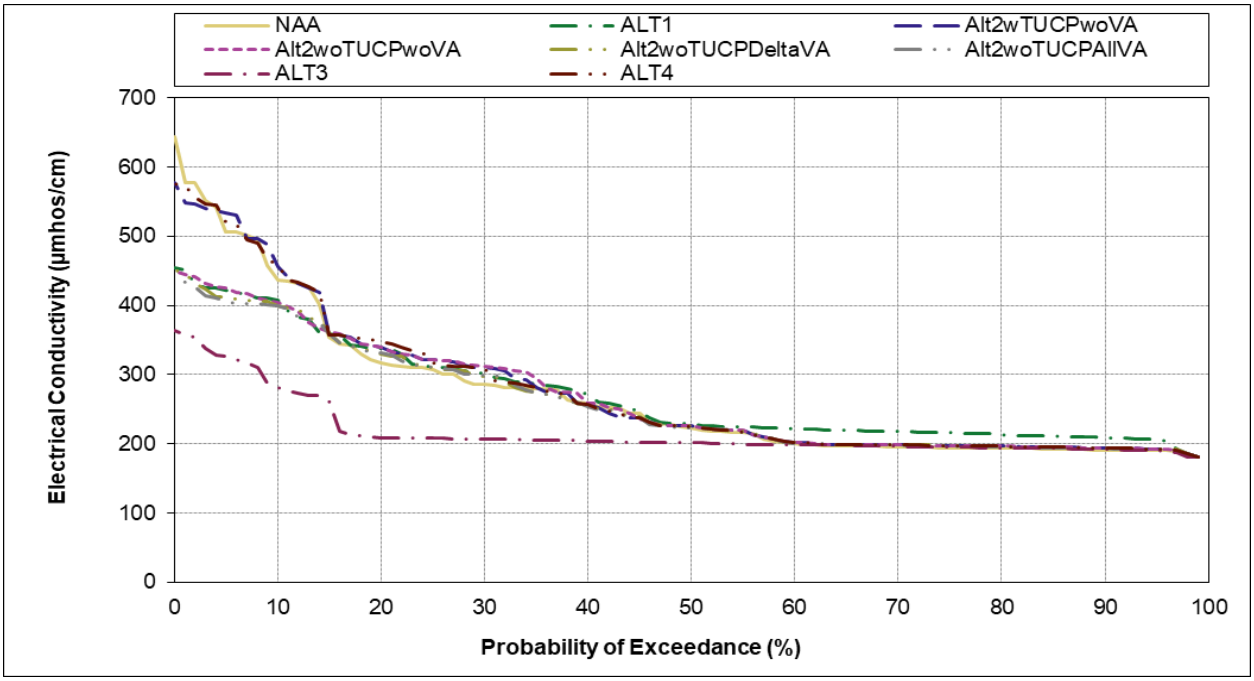

Figure G.1-10-14. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), August

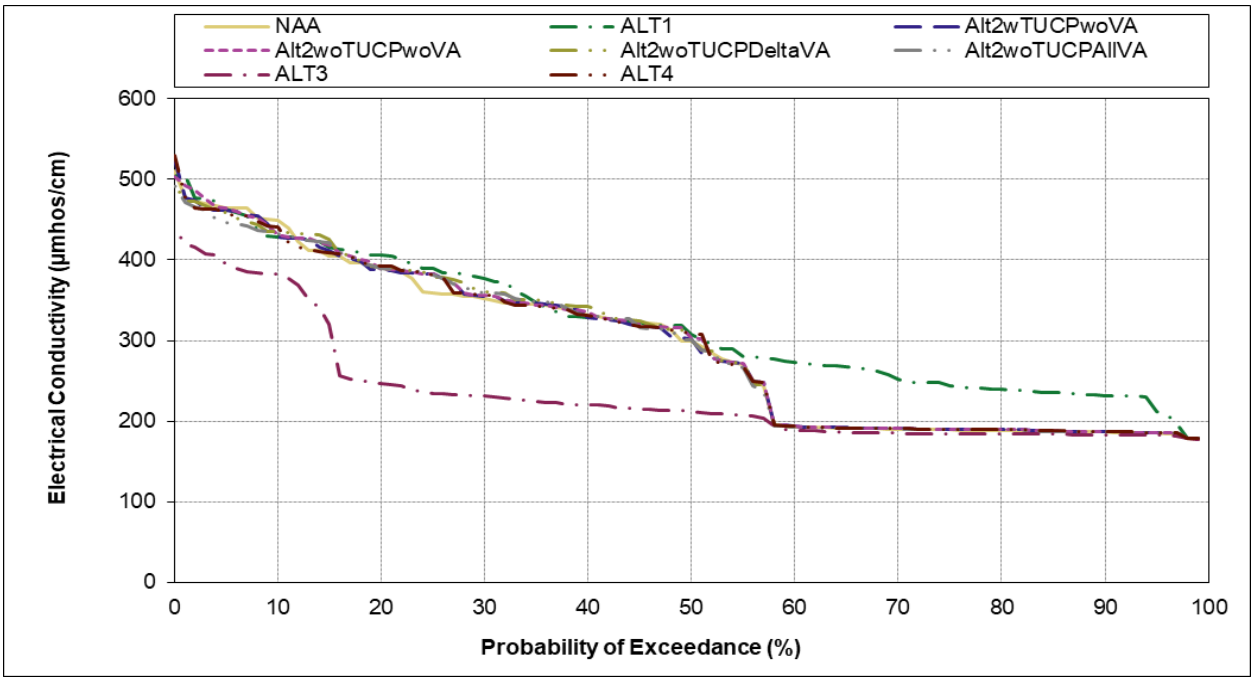

Figure G.1-10-15. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), September

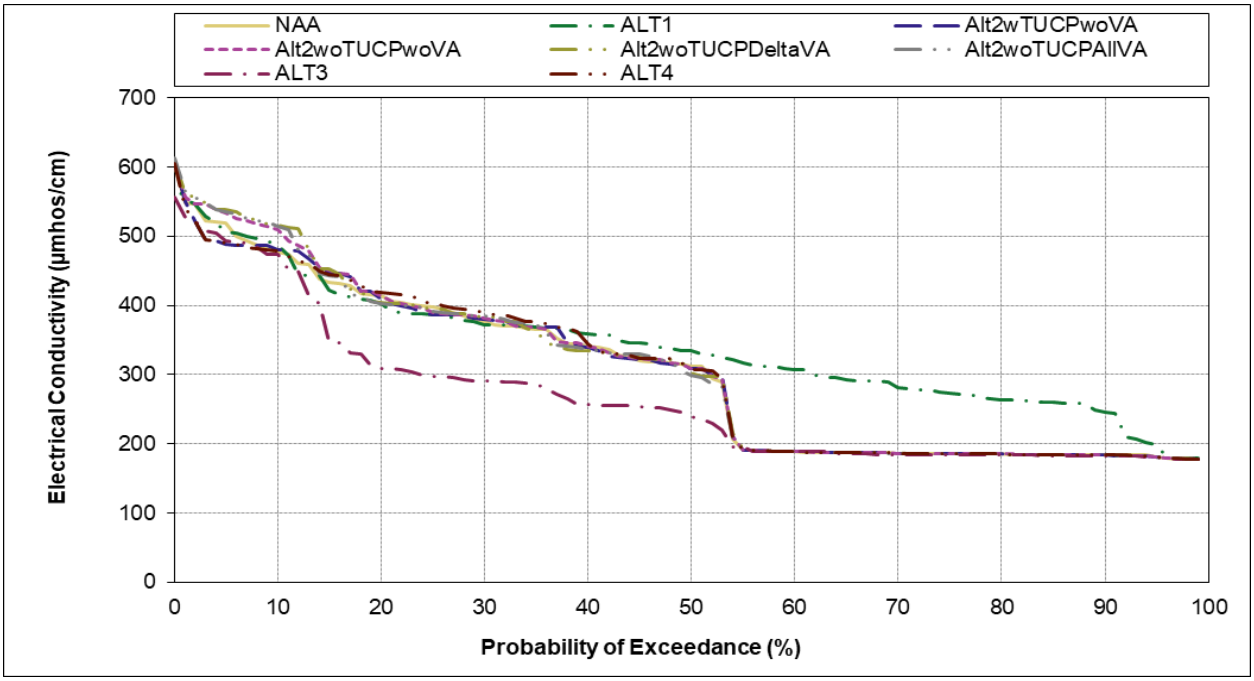

Figure G.1-10-16. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), October

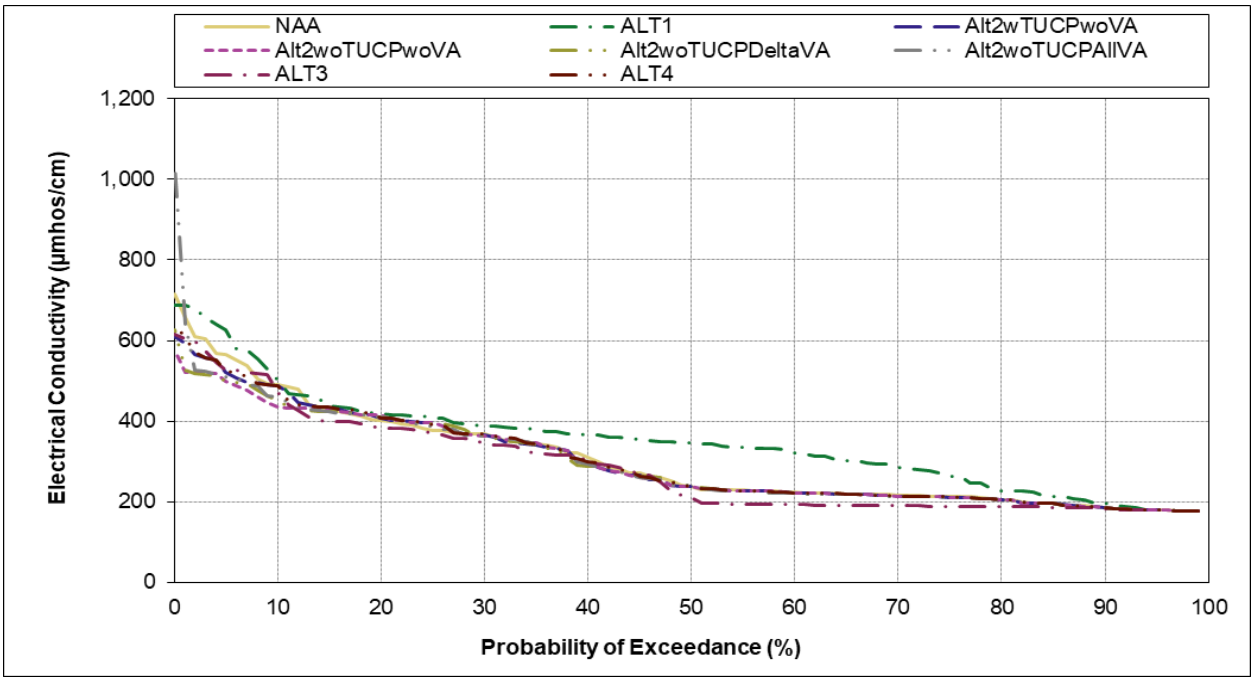

Figure G.1-10-17. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), November

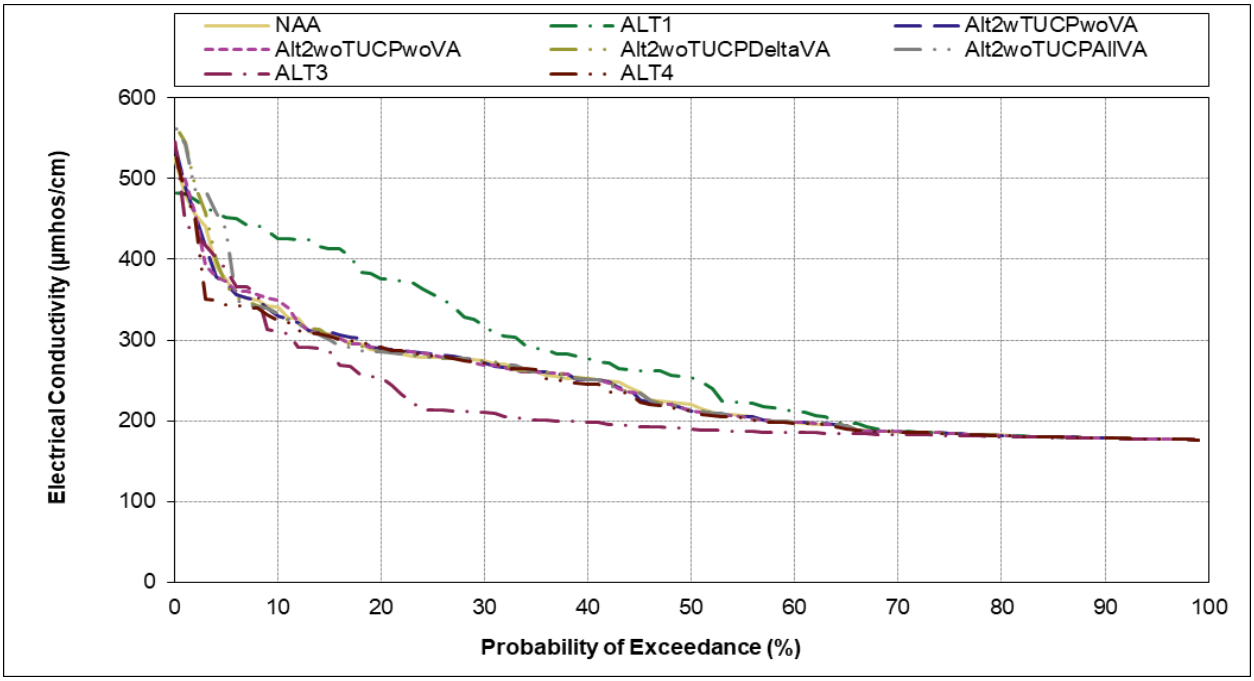

Figure G.1-10-18. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), December

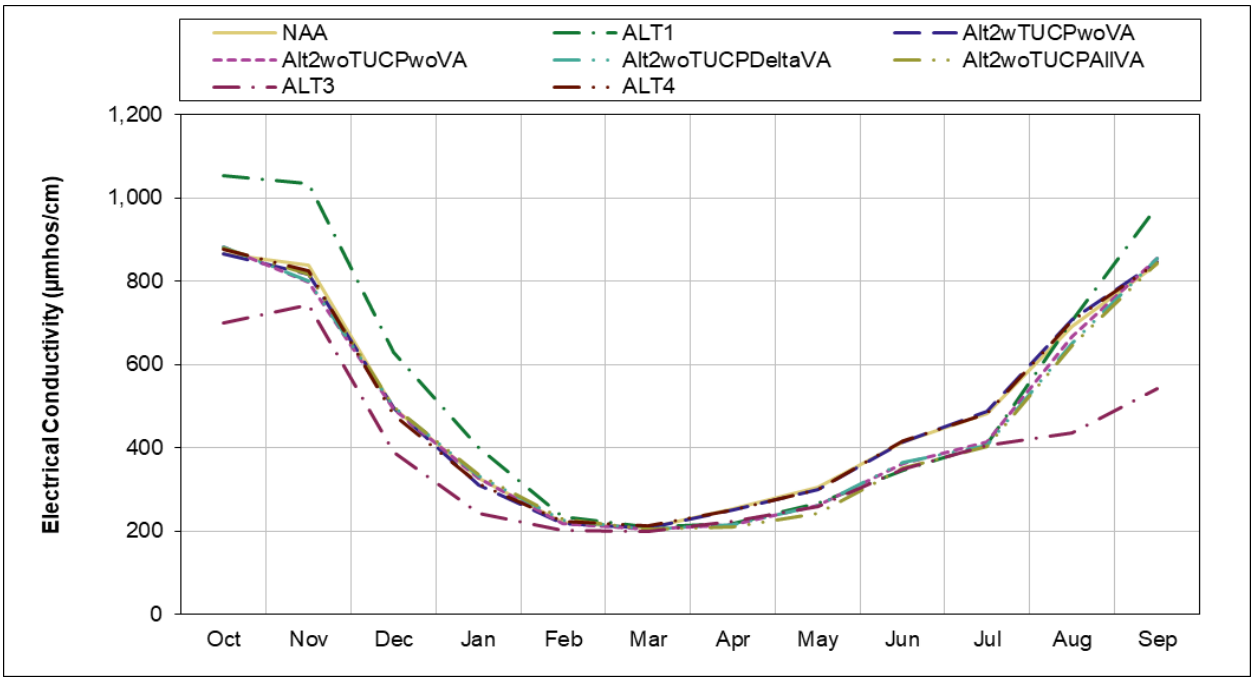

Figure G.1-11-1. Sacramento River at Threemile Slough, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)

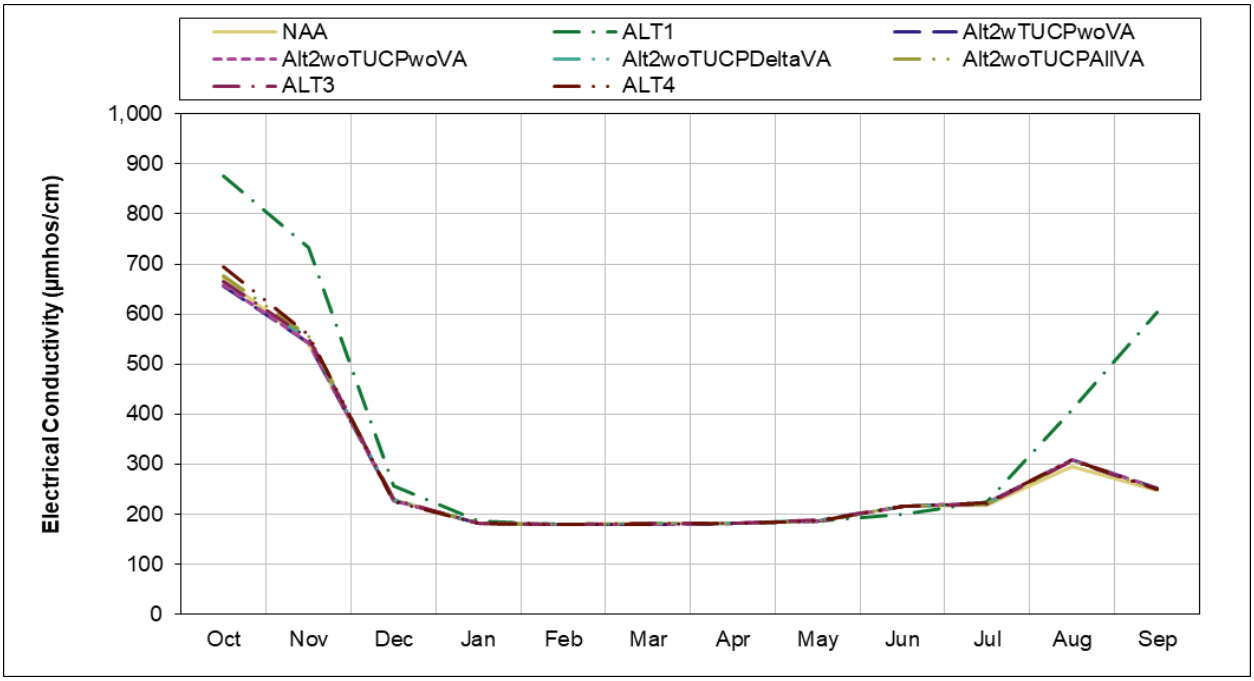

Figure G.1-11-2. Sacramento River at Threemile Slough, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

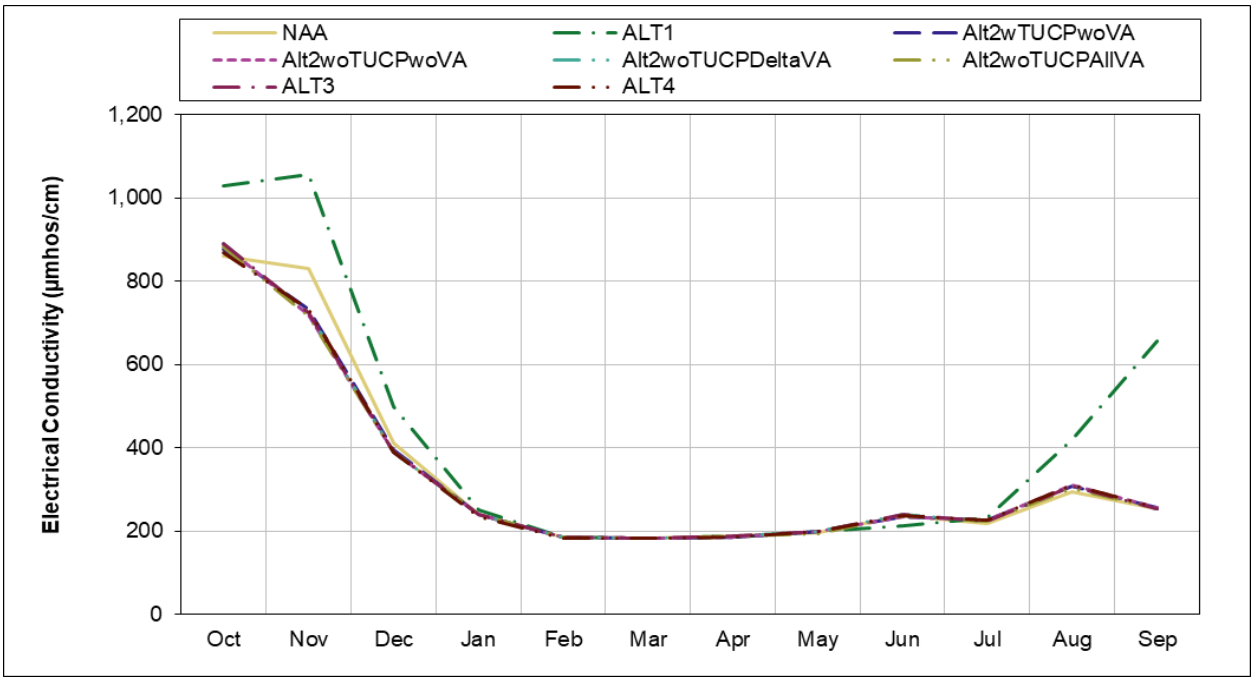

Figure G.1-11-3. Sacramento River at Threemile Slough, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

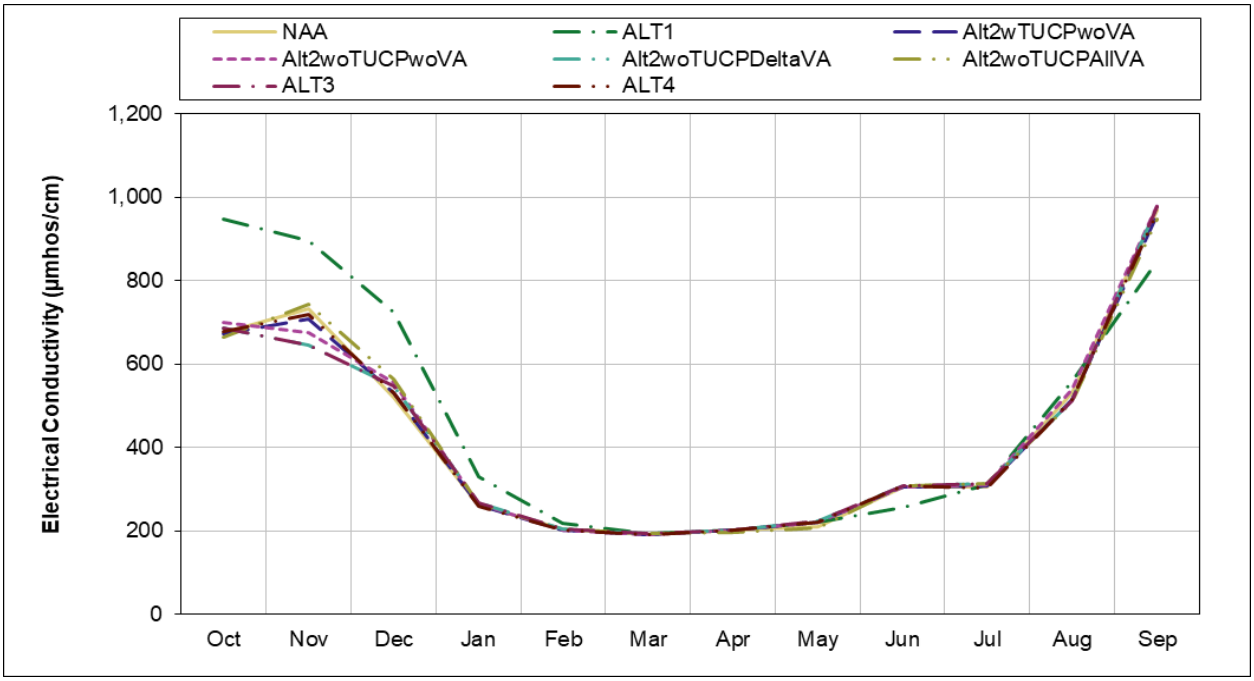

Figure G.1-11-4. Sacramento River at Threemile Slough, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

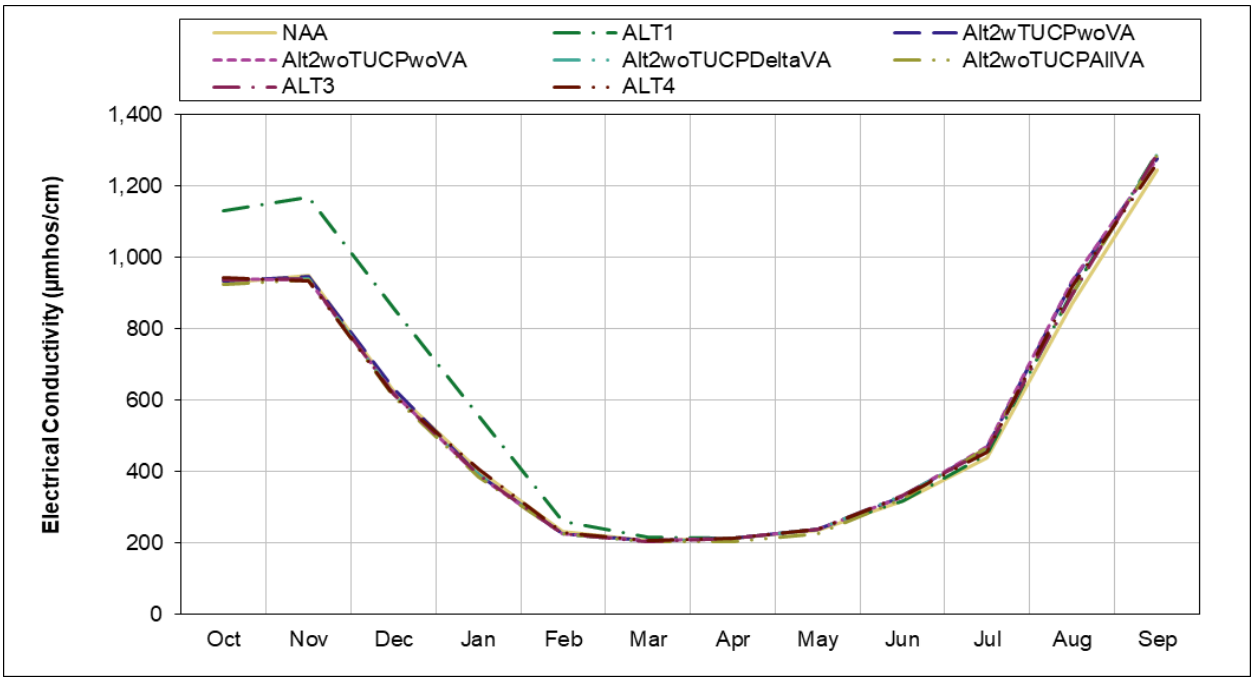

Figure G.1-11-5. Sacramento River at Threemile Slough, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

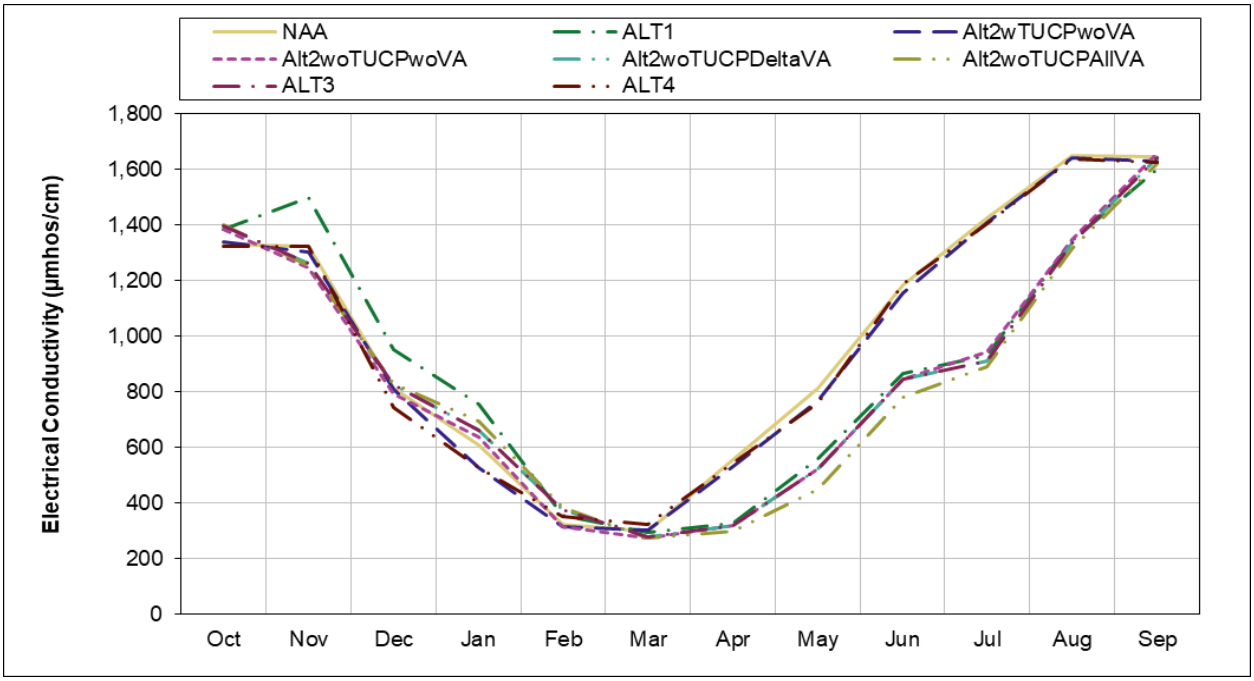

Figure G.1-11-6. Sacramento River at Threemile Slough, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

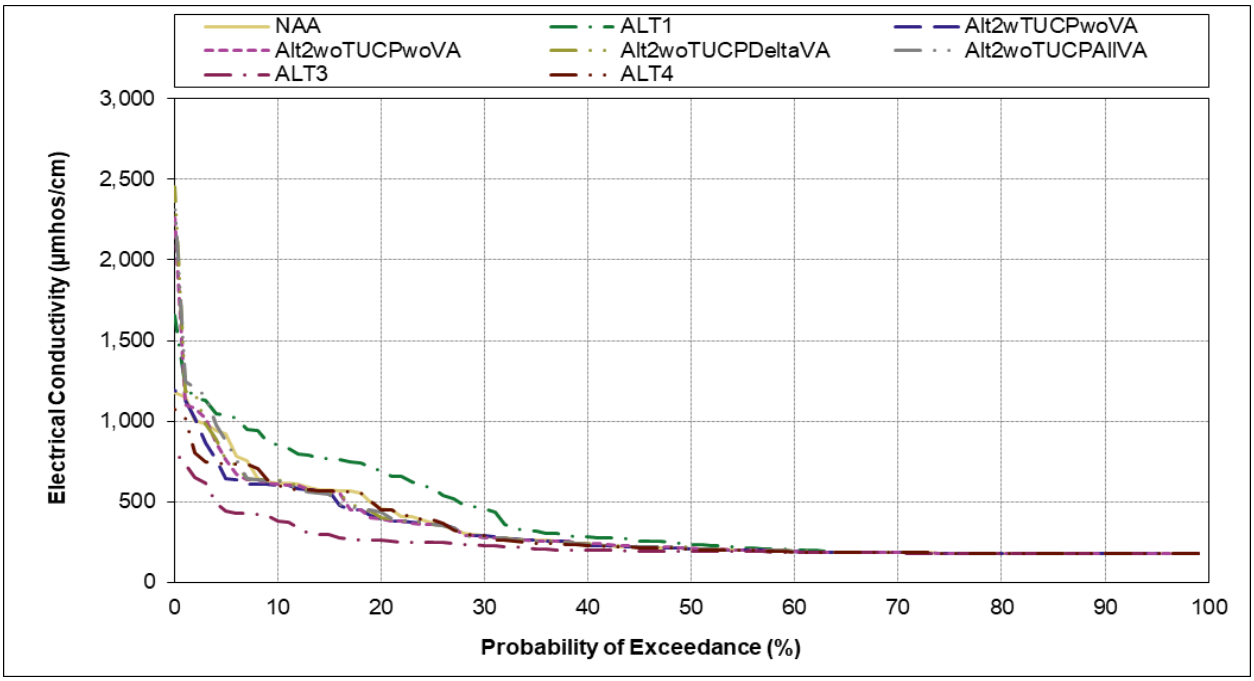

Figure G.1-11-7. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), January

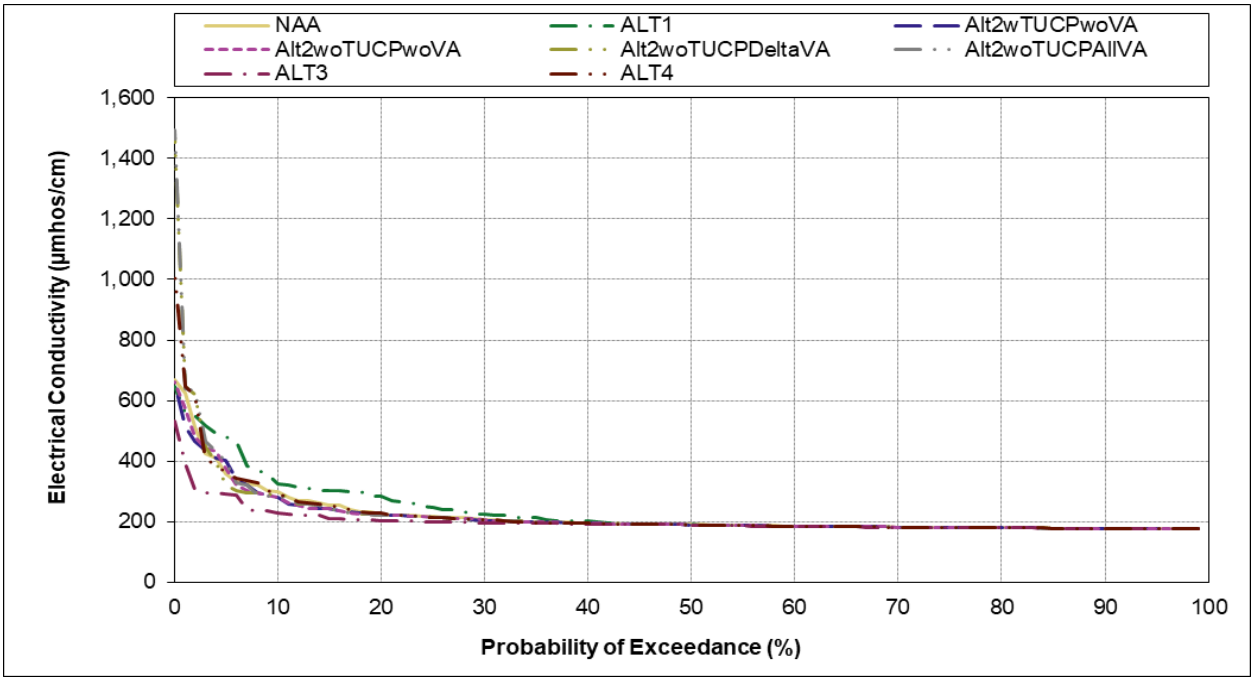

Figure G.1-11-8. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), February

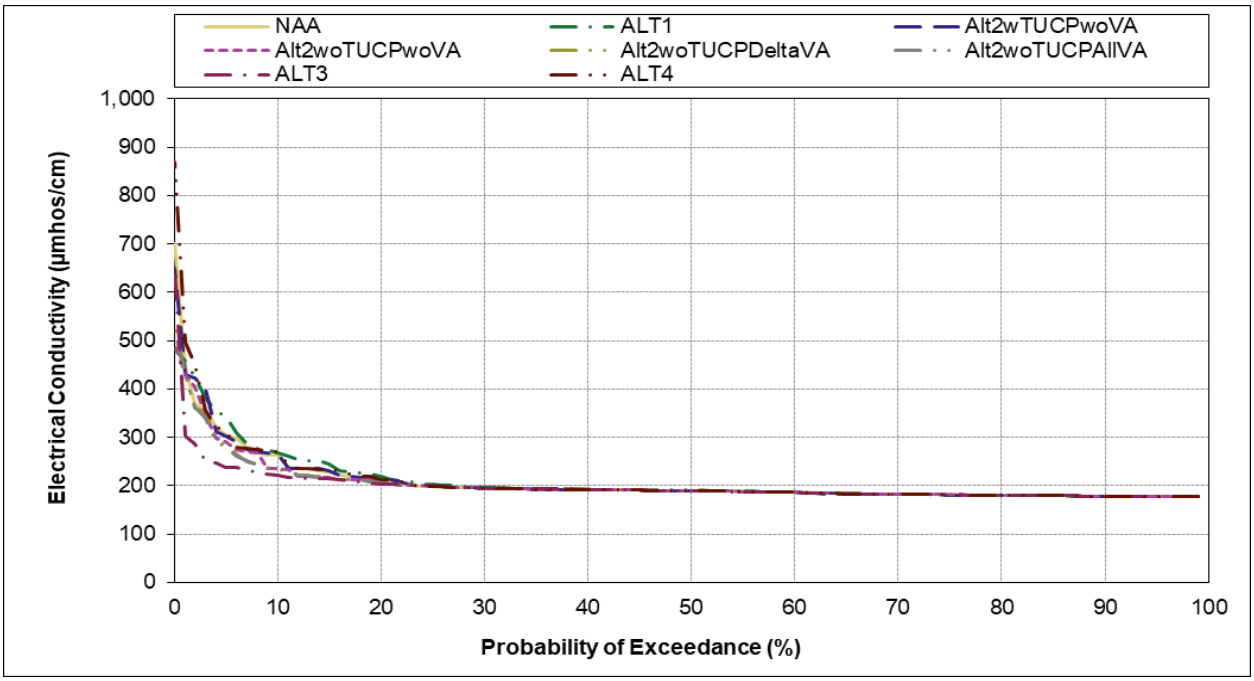

Figure G.1-11-9. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), March

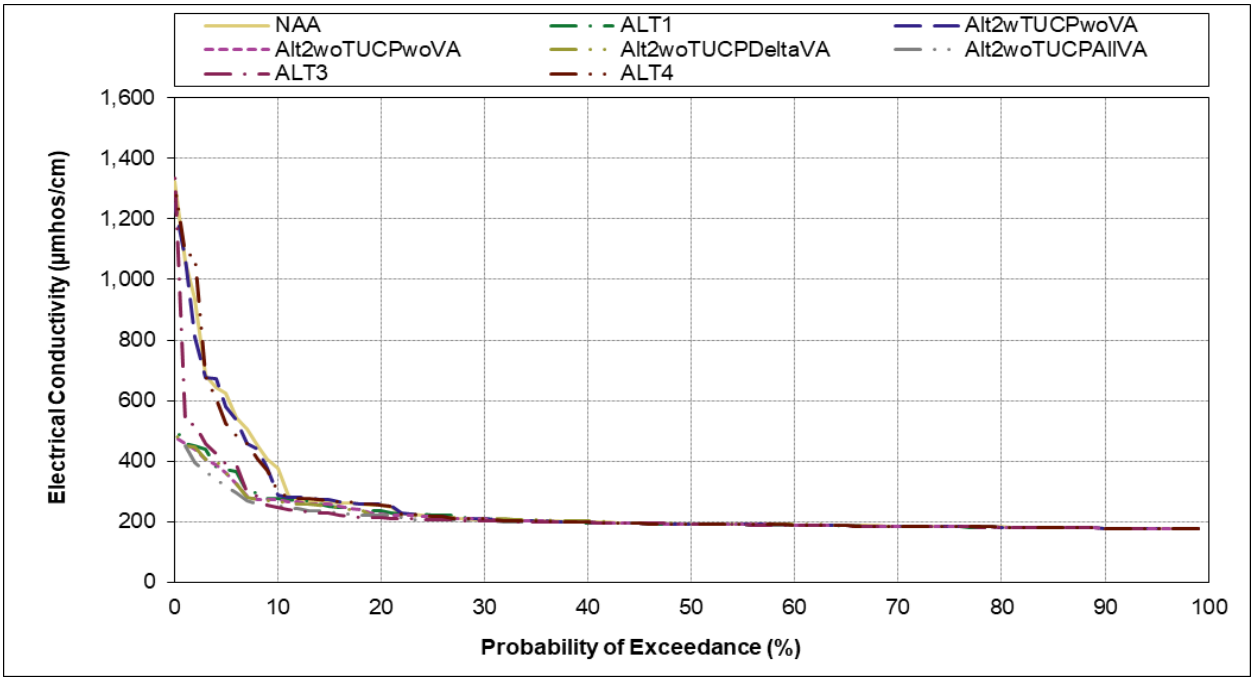

Figure G.1-11-10. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), April

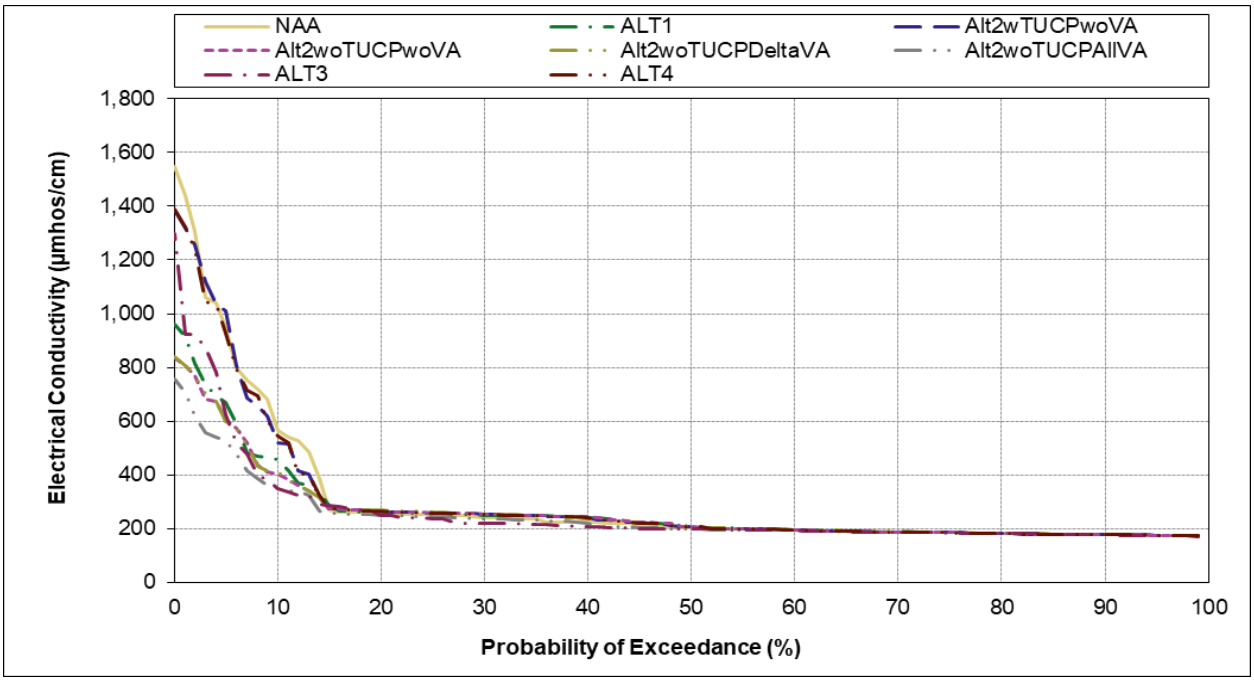

Figure G.1-11-11. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), May

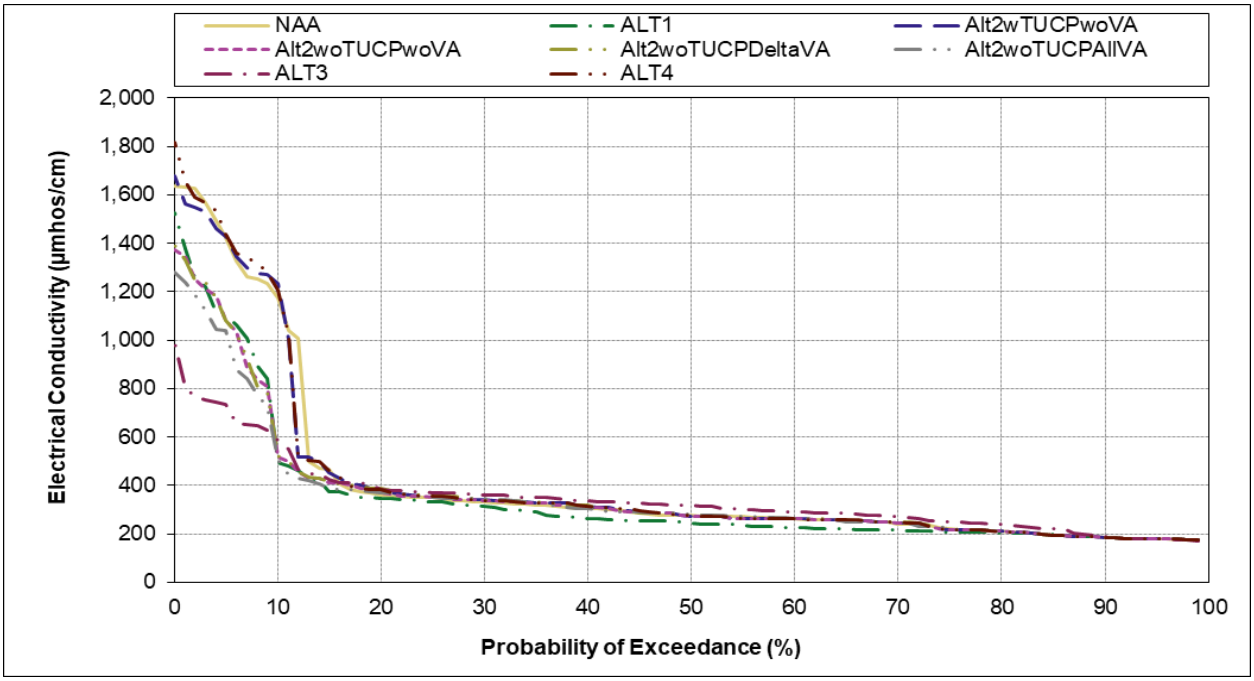

Figure G.1-11-12. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), June

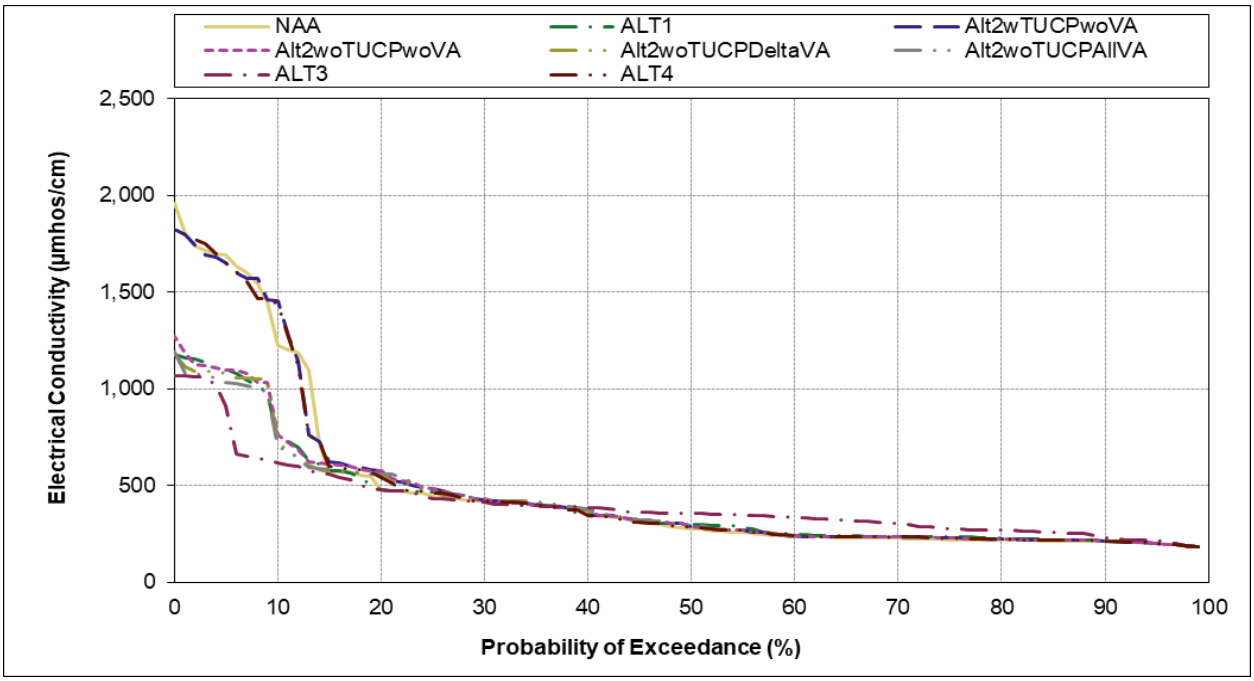

Figure G.1-11-13. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), July

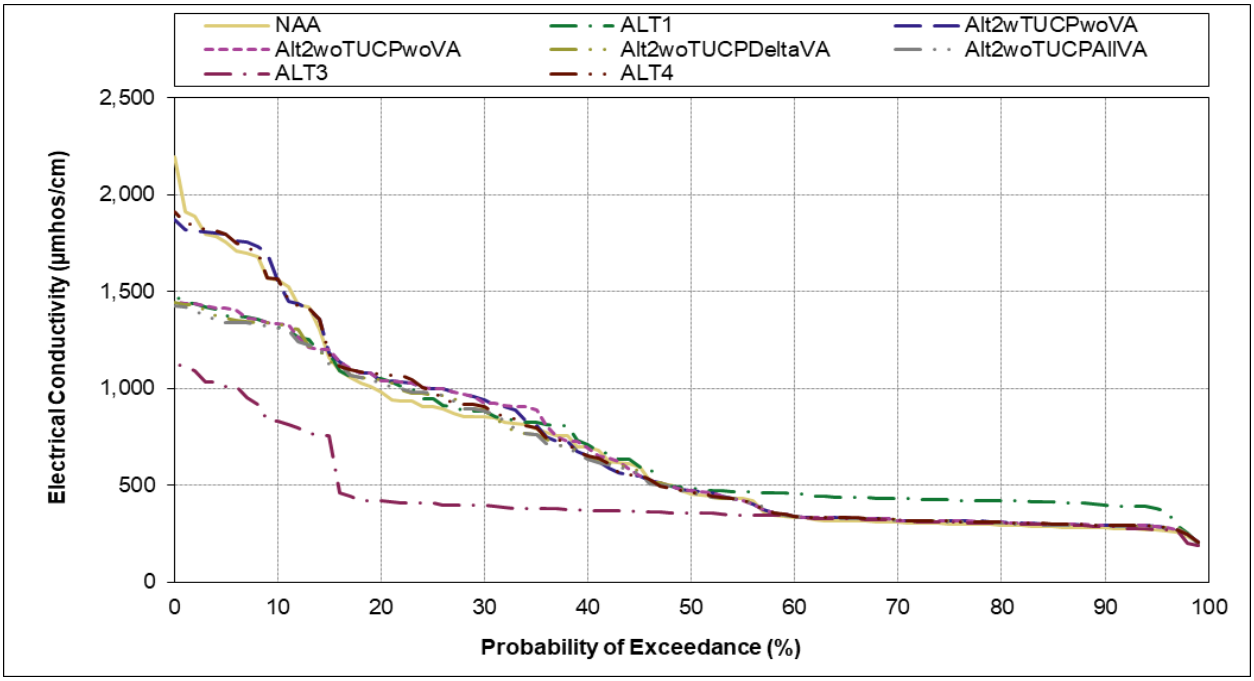

Figure G.1-11-14. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), August

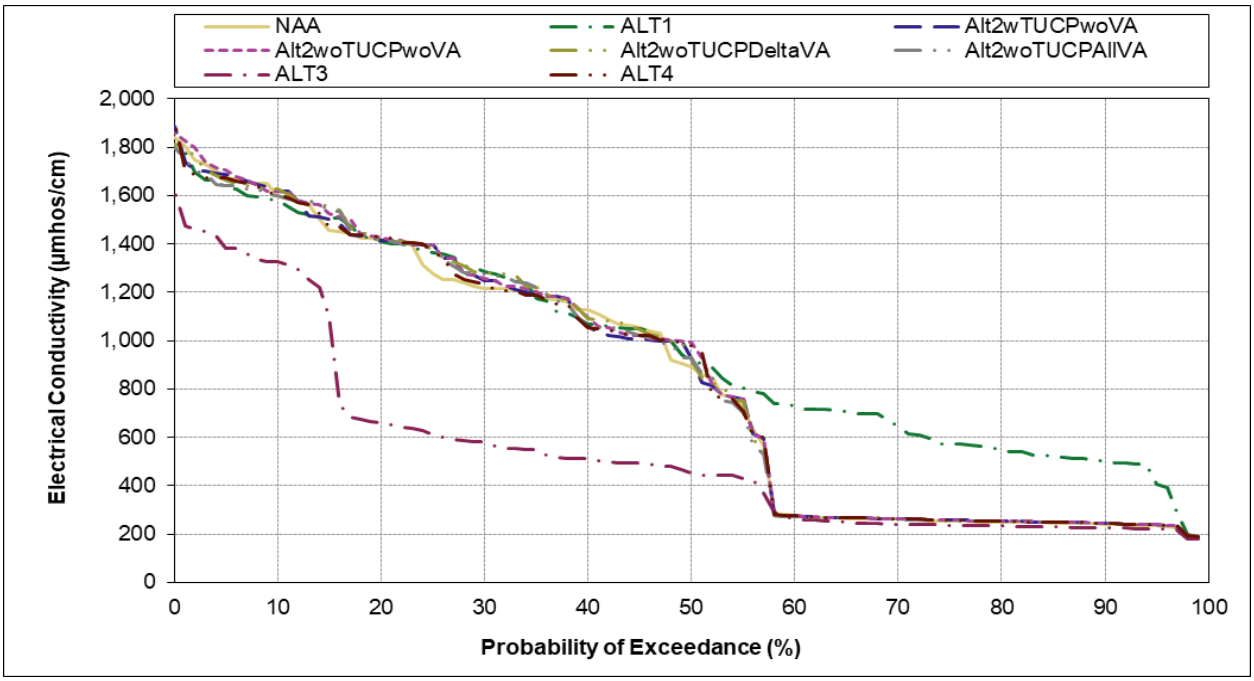

Figure G.1-11-15. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), September

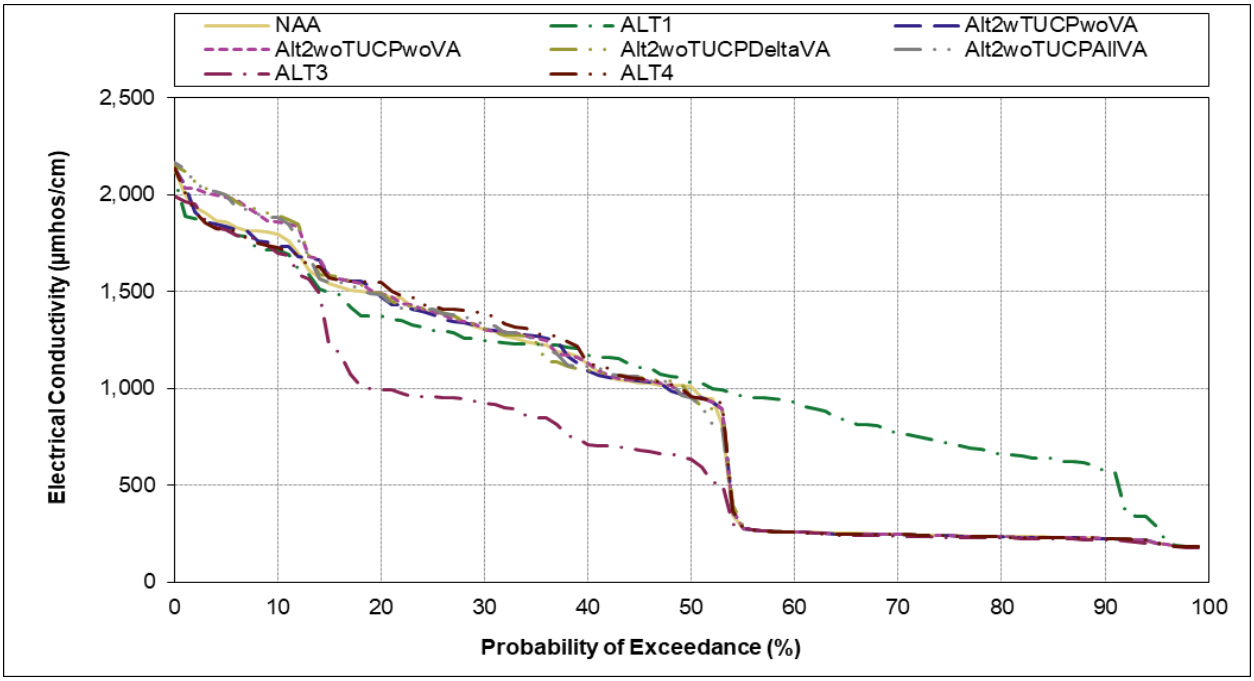

Figure G.1-11-16. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), October

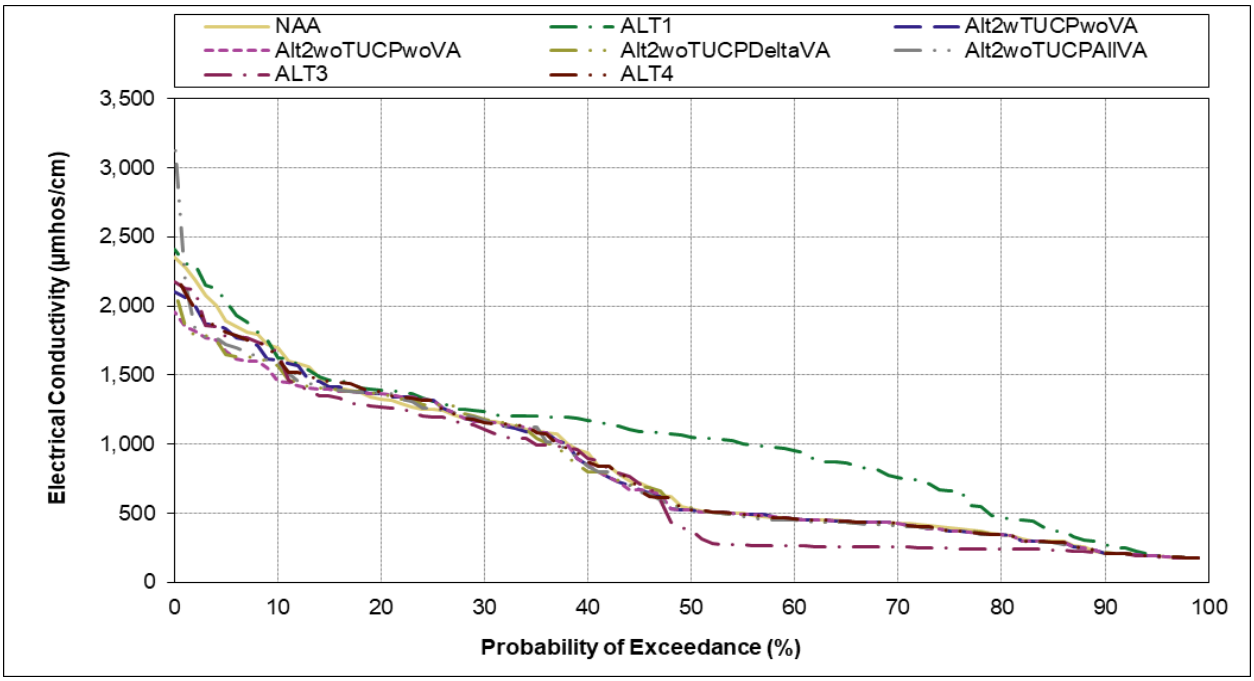

Figure G.1-11-17. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), November

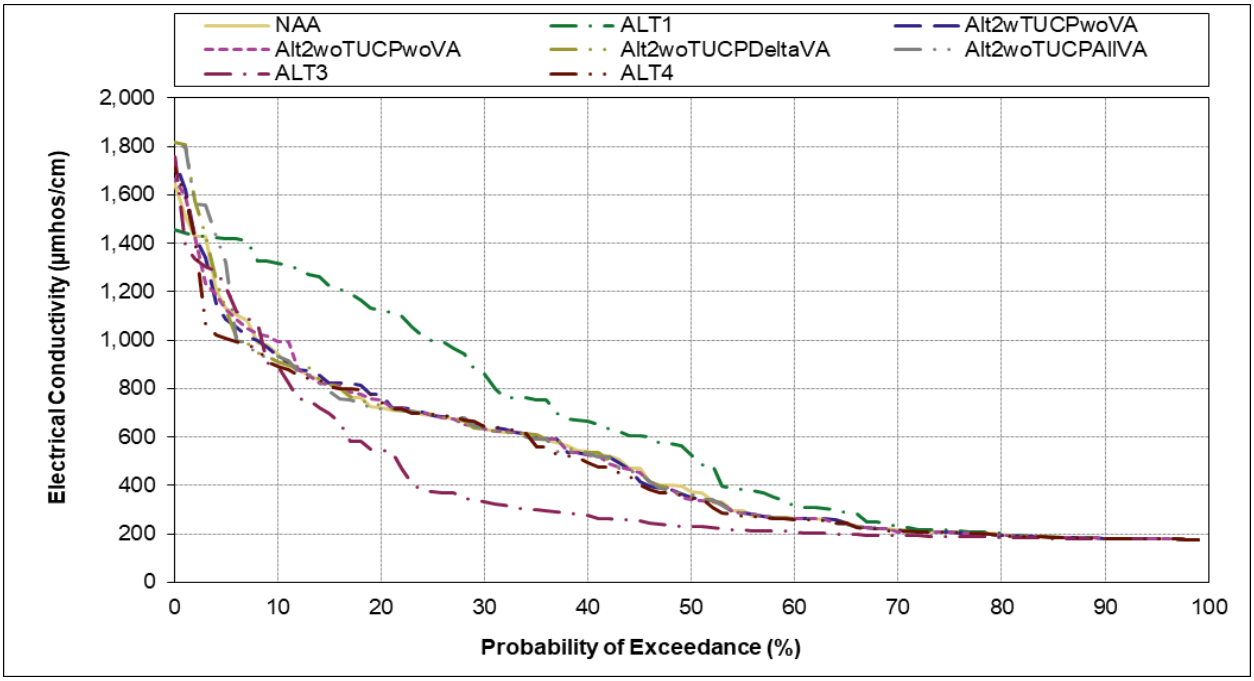

Figure G.1-11-18. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), December

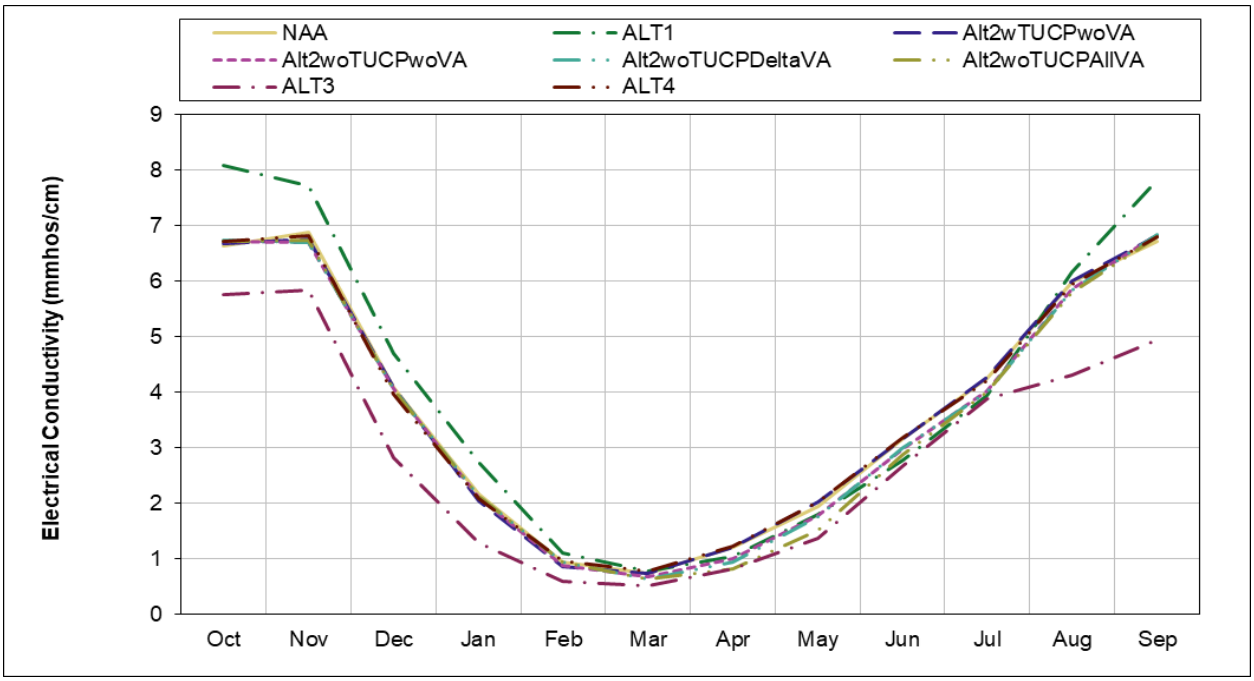

Figure G.1-12-1. Sacramento River at Collinsville, Long term Monthly Average Electrical Conductivity (in millimhos per centimeter)

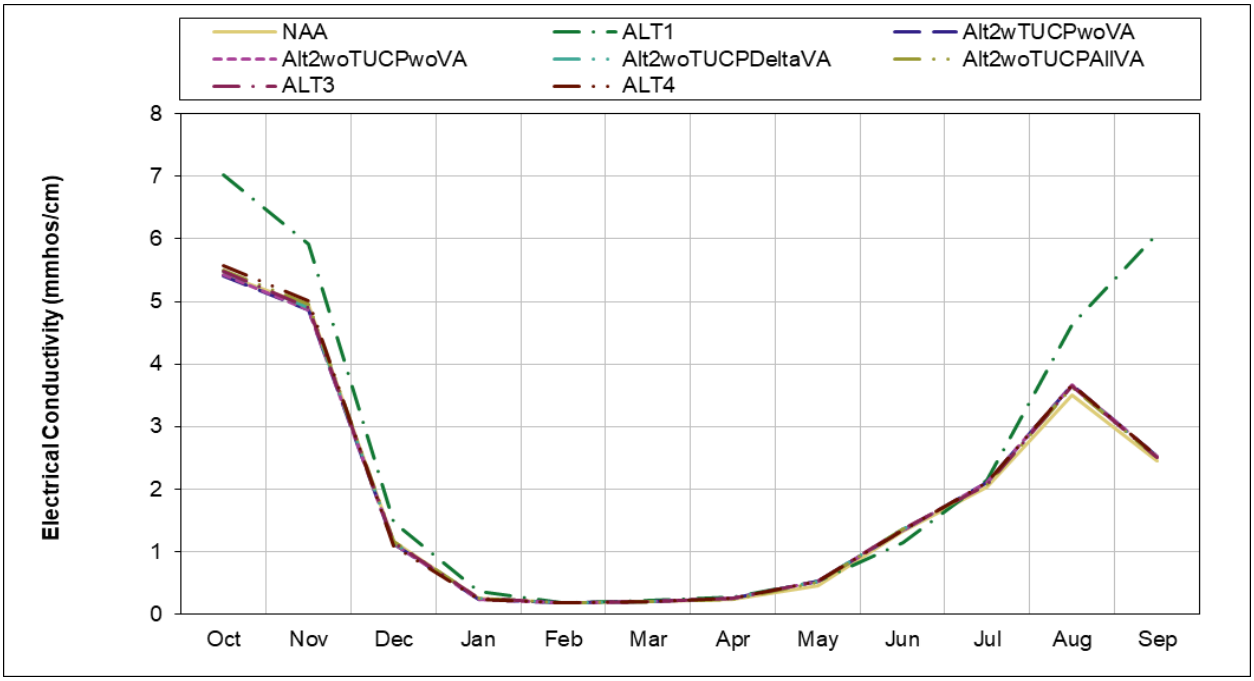

Figure G.1-12-2. Sacramento River at Collinsville, Wet Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

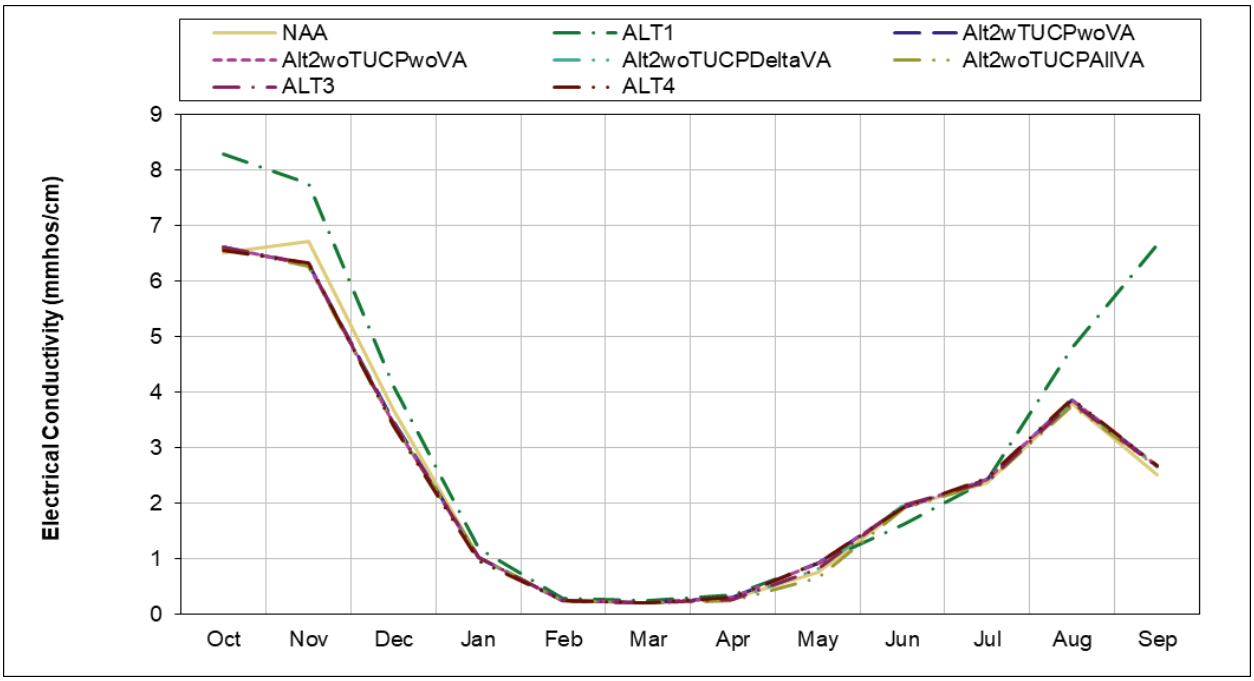

Figure G.1-12-3. Sacramento River at Collinsville, Above Normal Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

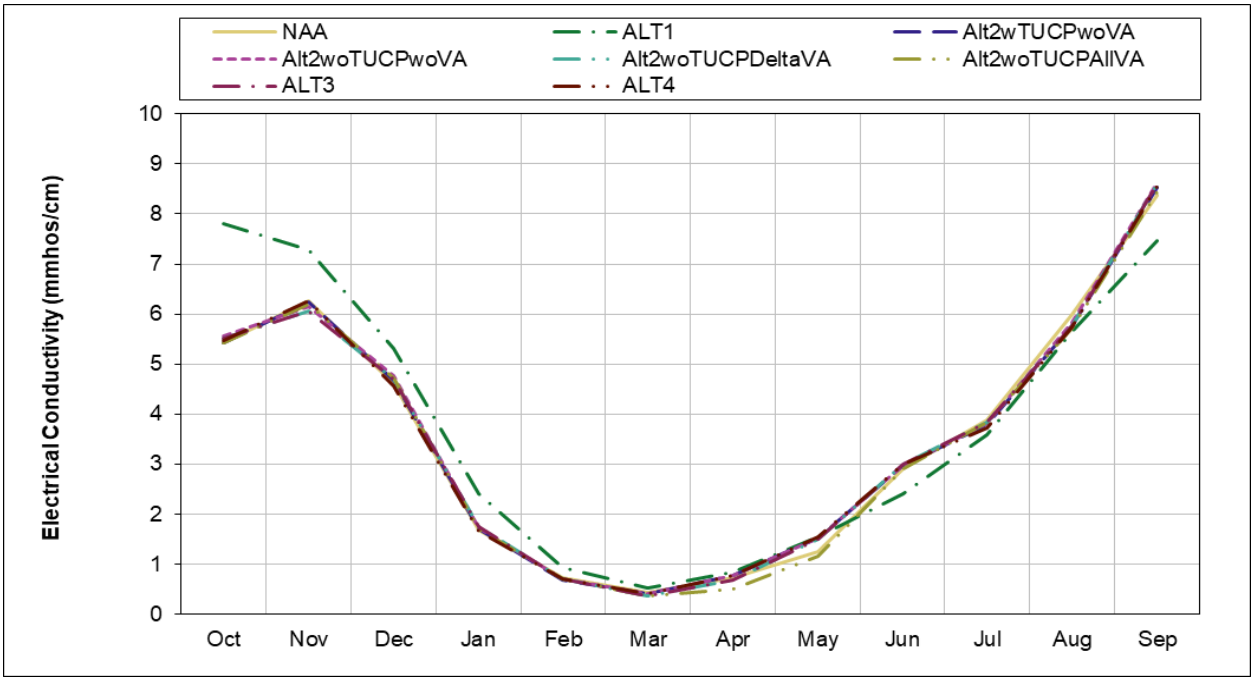

Figure G.1-12-4. Sacramento River at Collinsville, Below Normal Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

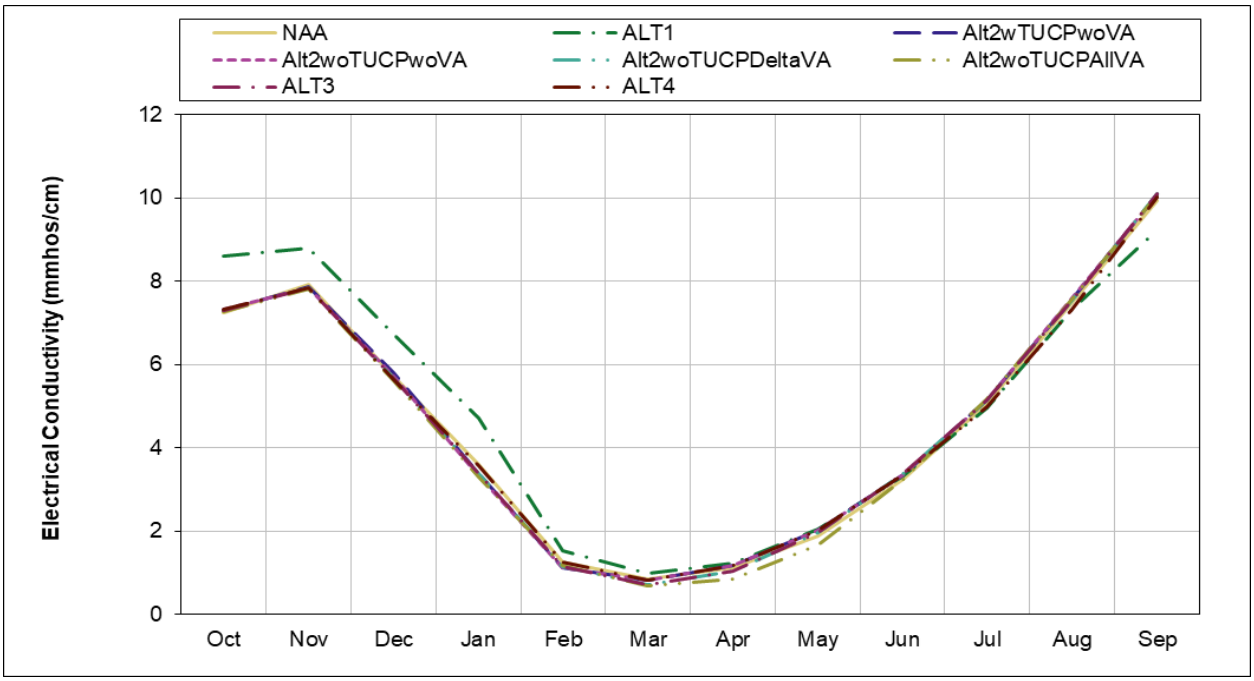

Figure G.1-12-5. Sacramento River at Collinsville, Dry Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

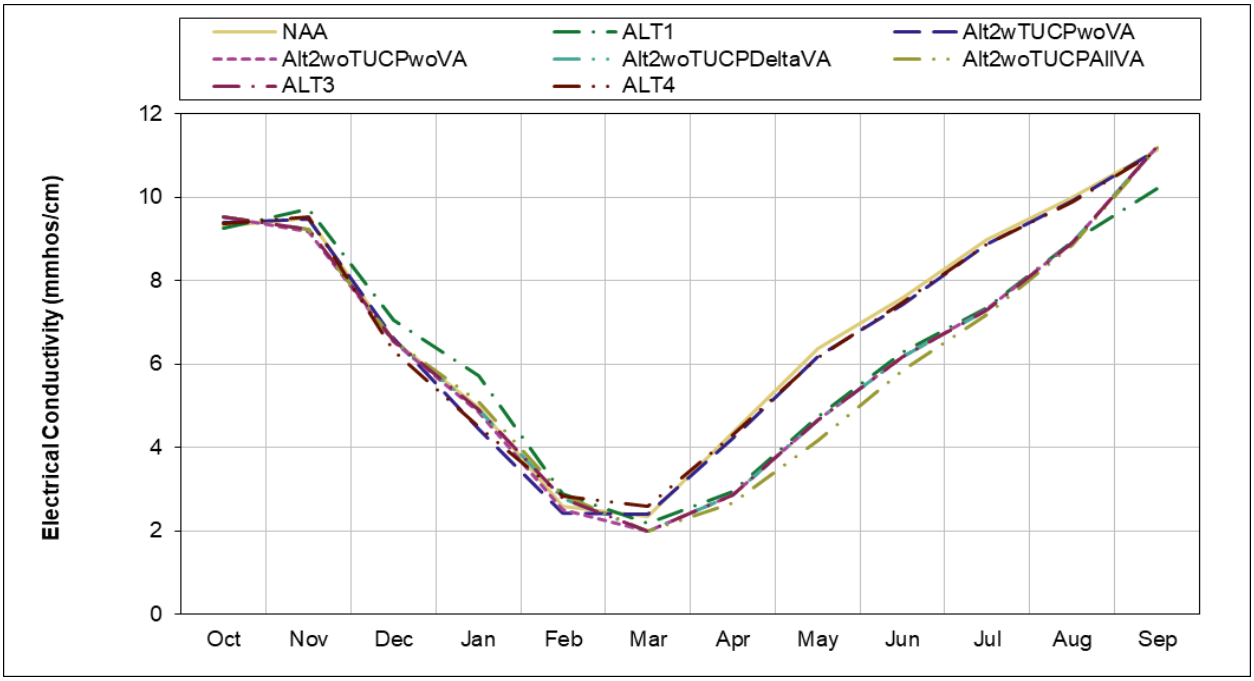

Figure G.1-12-6. Sacramento River at Collinsville, Critical Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

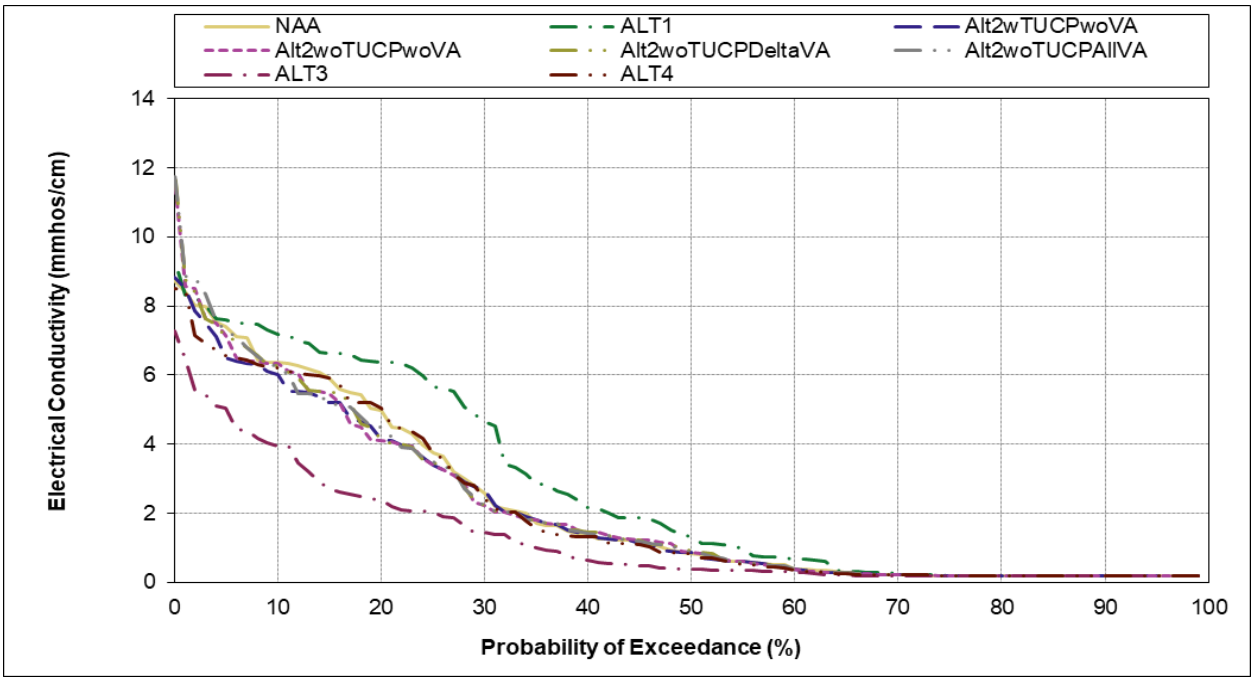

Figure G.1-12-7. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), January

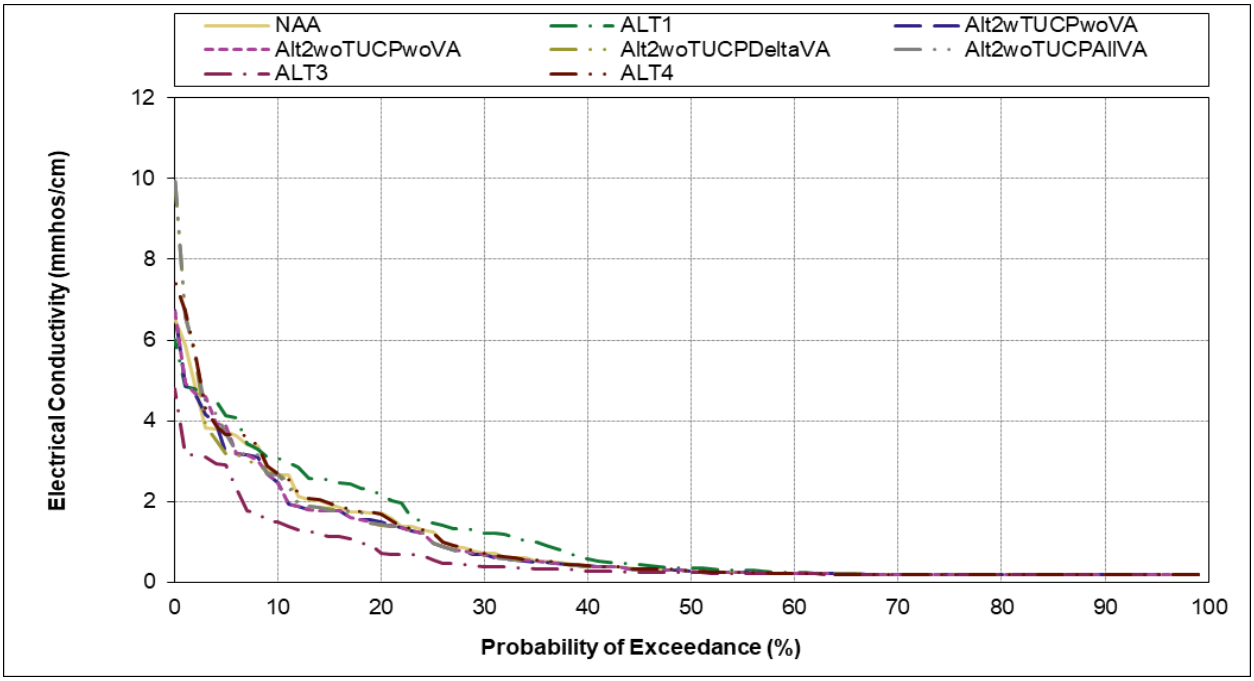

Figure G.1-12-8. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), February

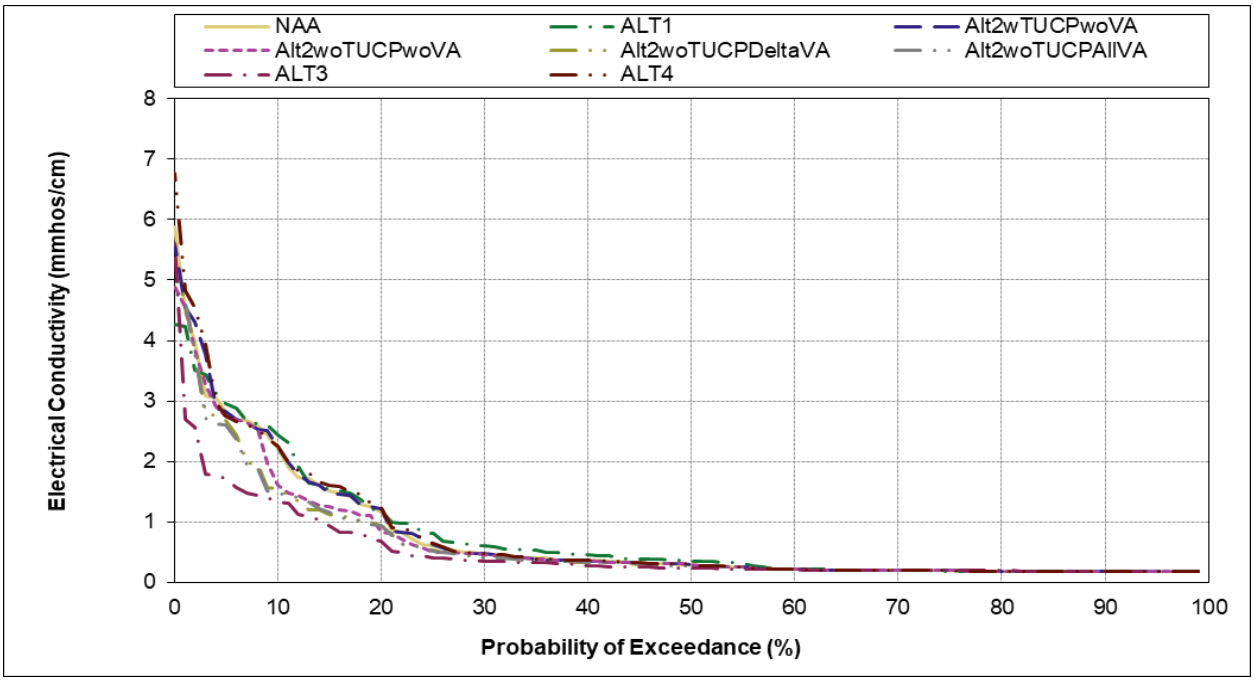

Figure G.1-12-9. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), March

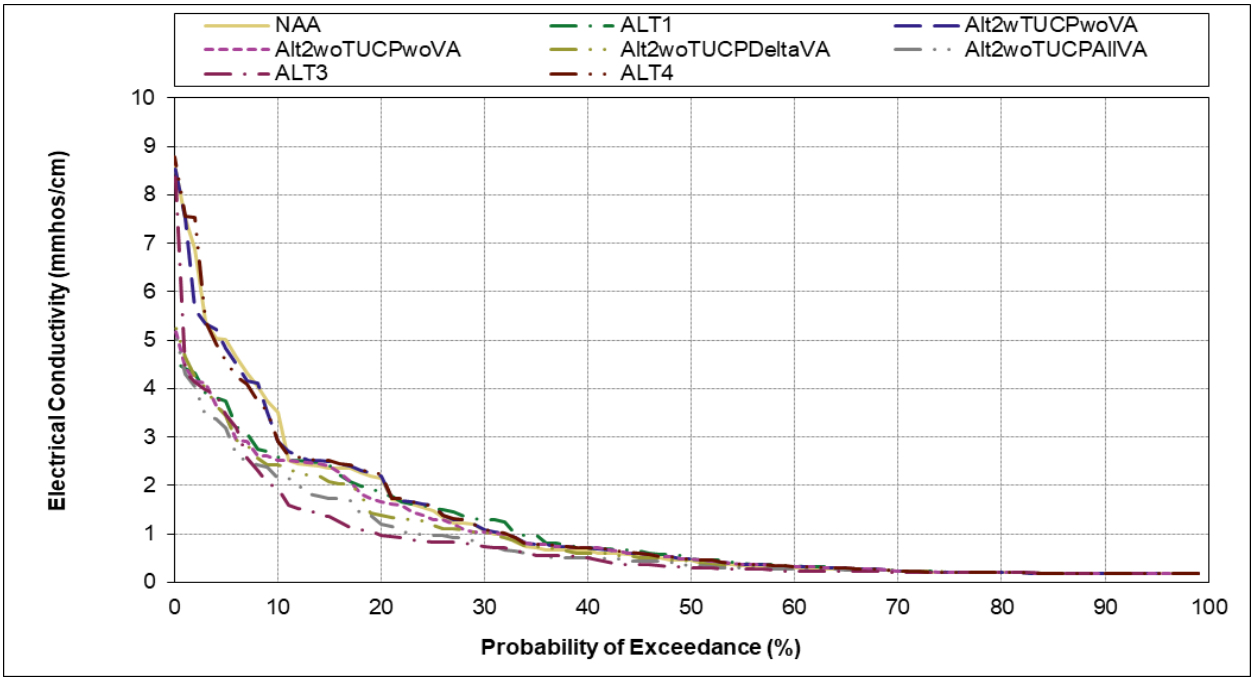

Figure G.1-12-10. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), April

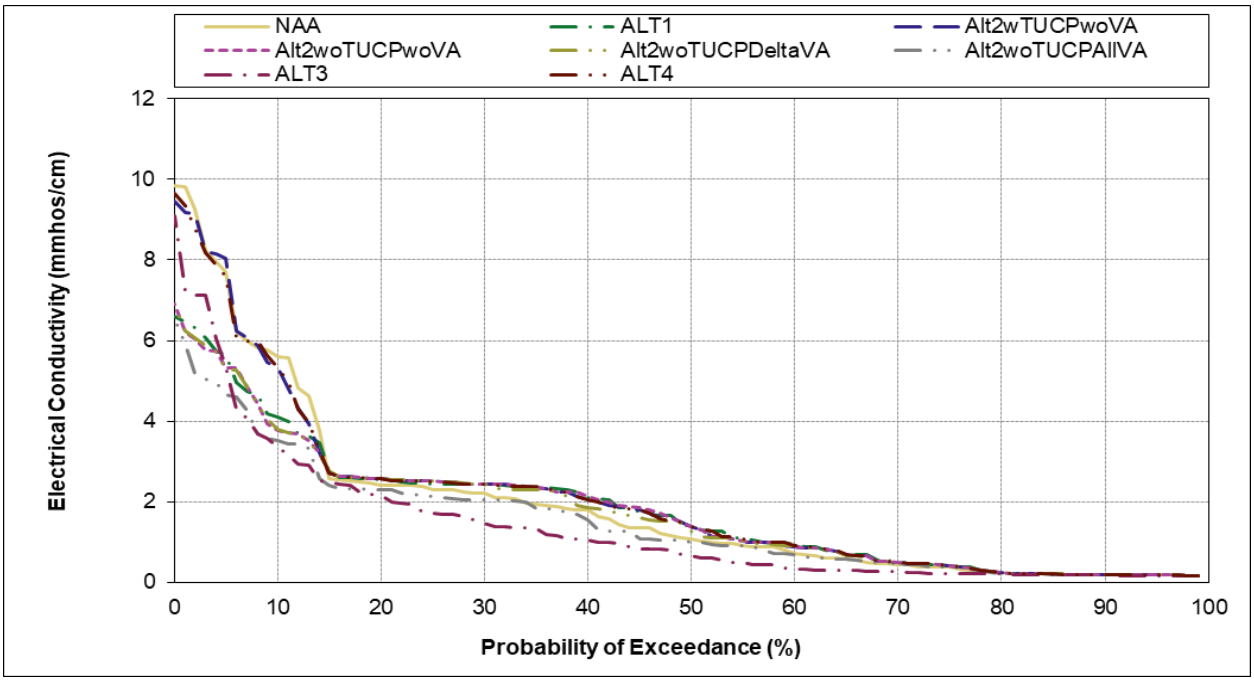

Figure G.1-12-11. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), May

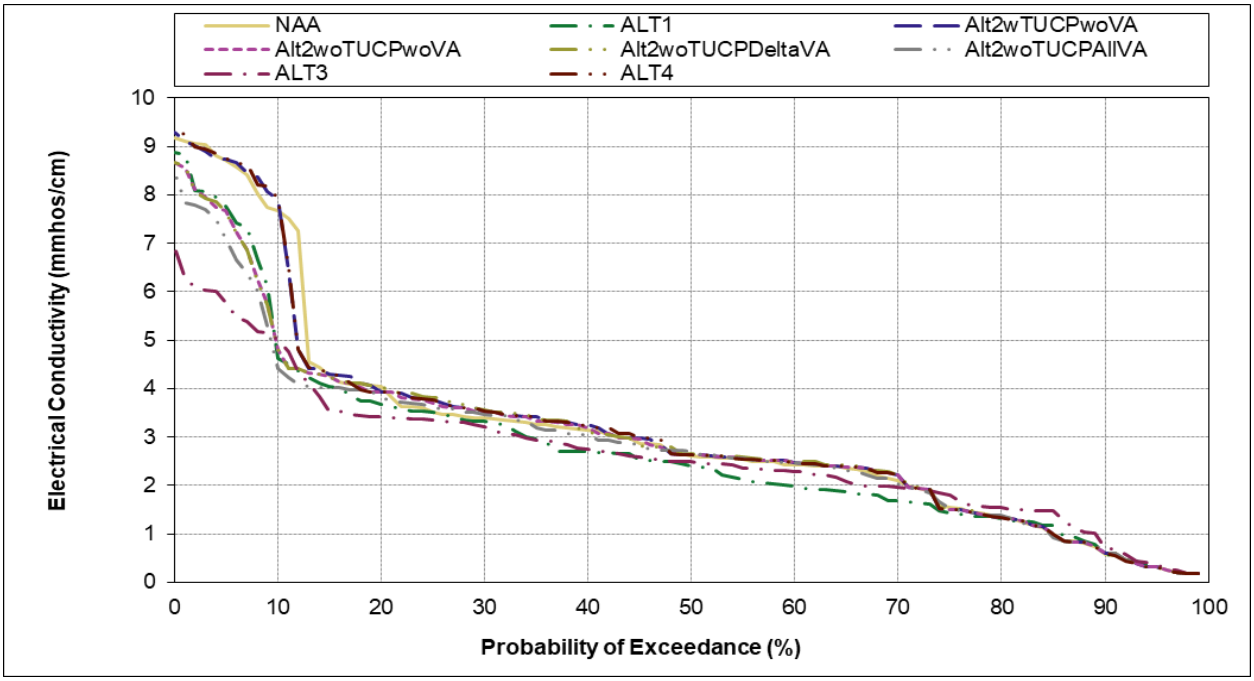

Figure G.1-12-12. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), June

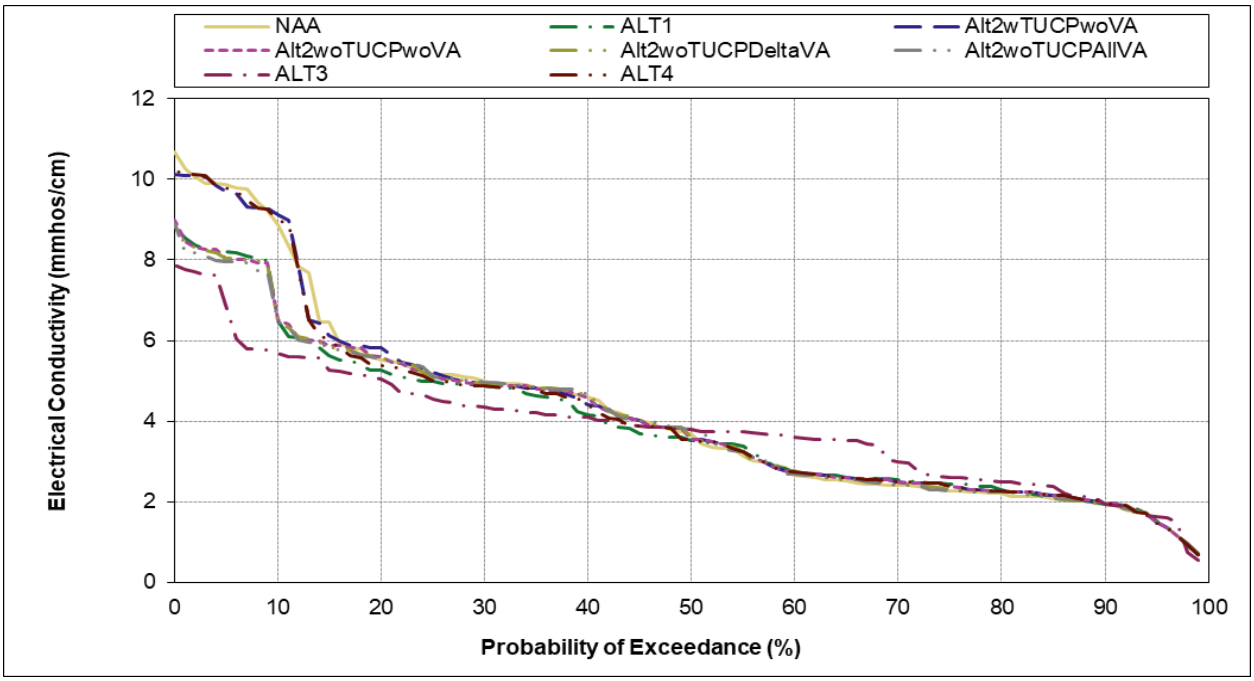

Figure G.1-12-13. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), July

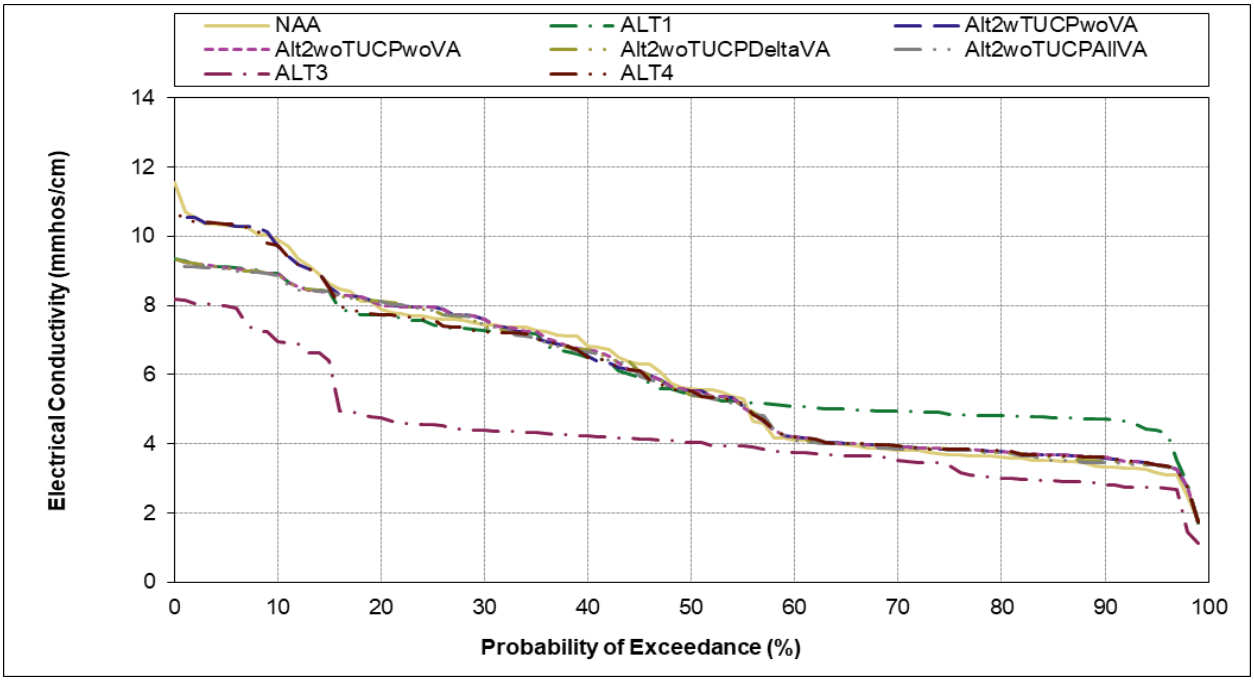

Figure G.1-12-14. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), August

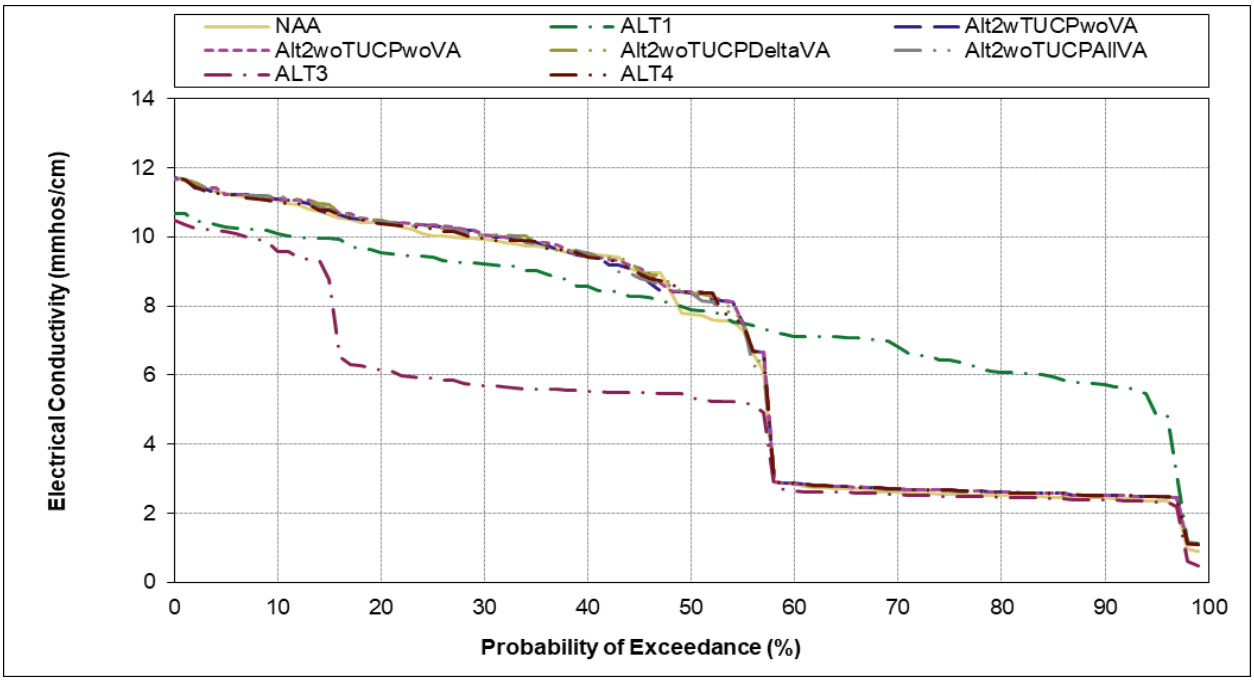

Figure G.1-12-15. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), September

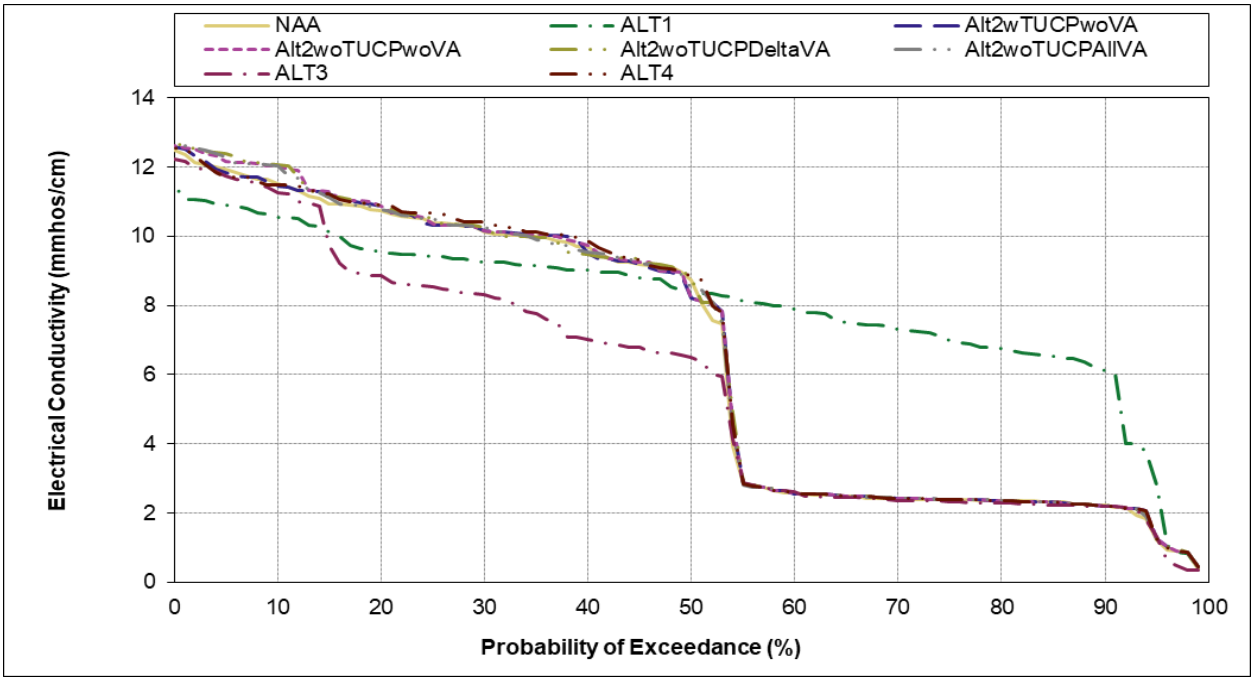

Figure G.1-12-16. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), October

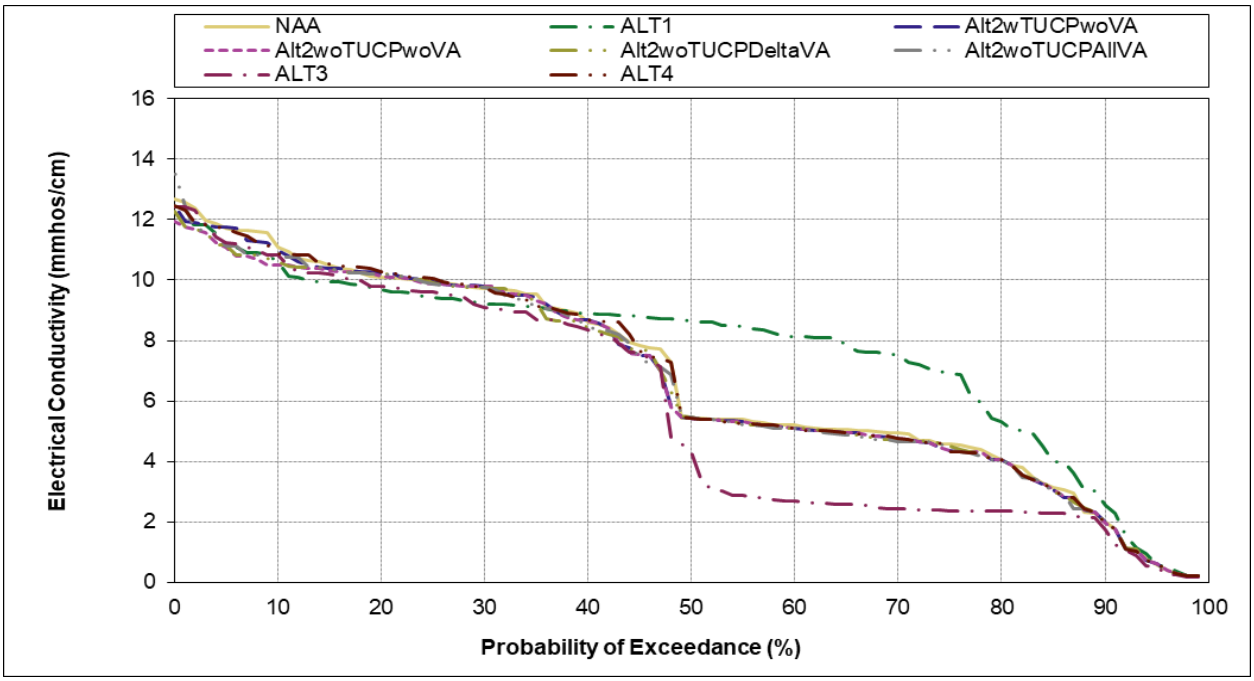

Figure G.1-12-17. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), November

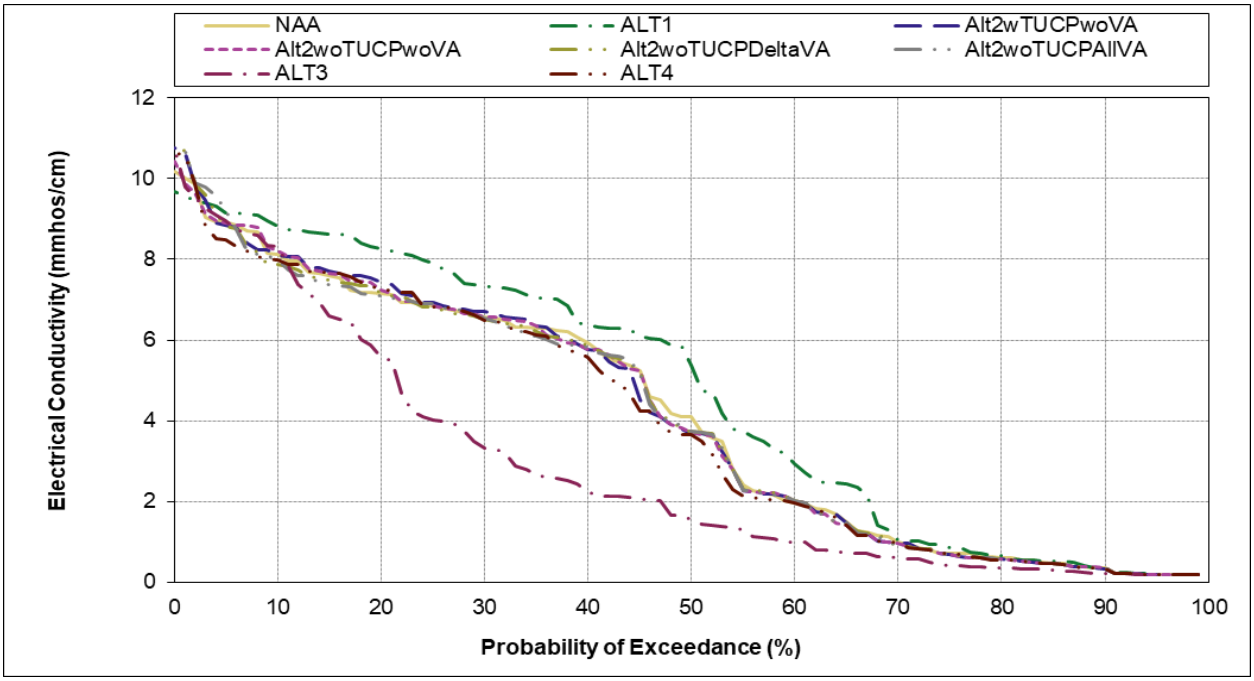

Figure G.1-12-18. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), December

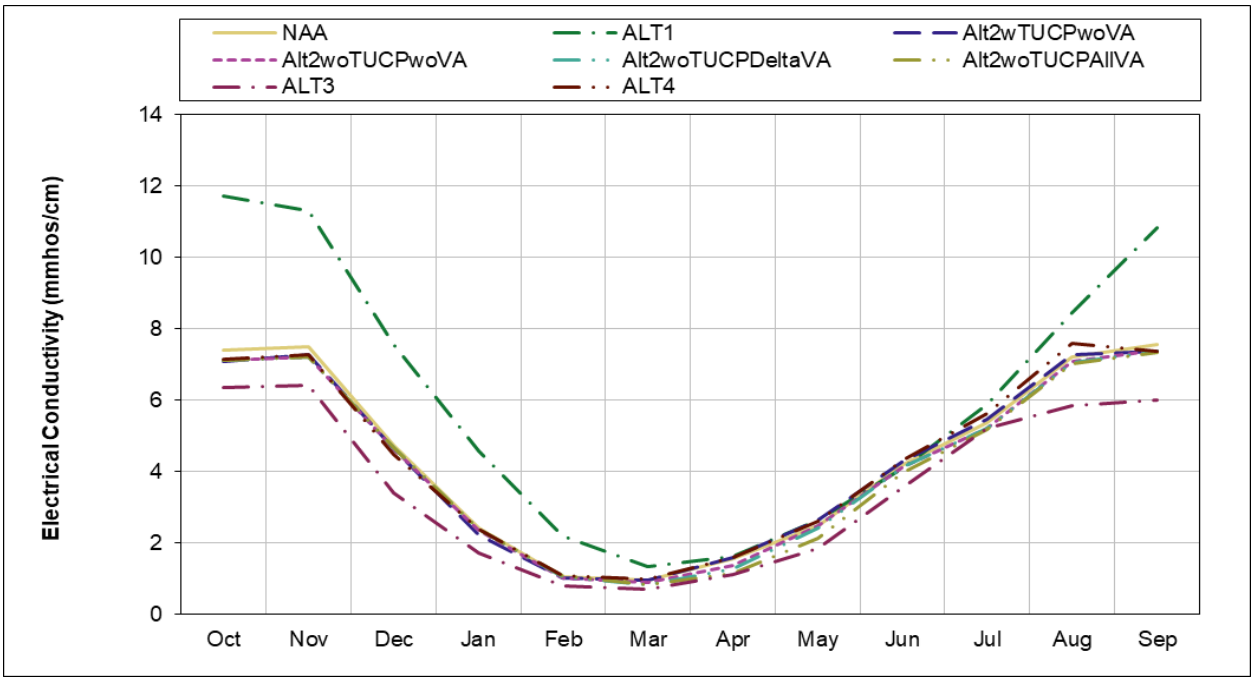

Figure G.1-13-1. Montezuma Slough at National Steel, Long term Monthly Average Electrical Conductivity (in millimhos per centimeter)

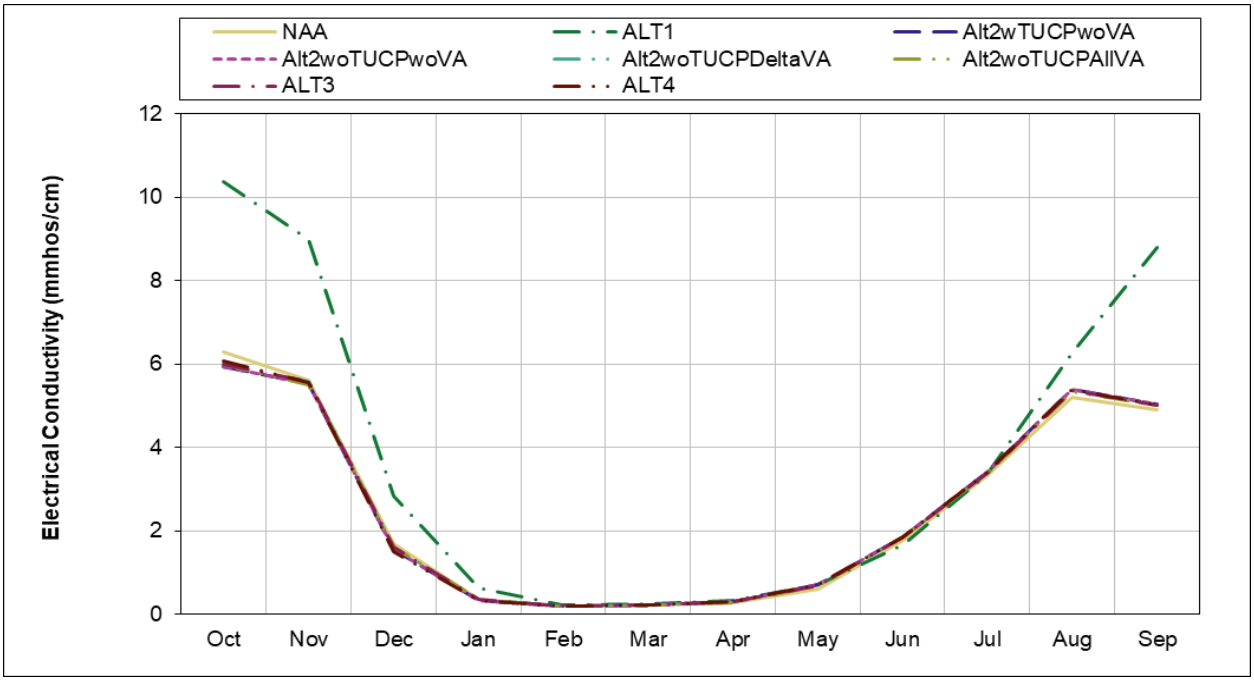

Figure G.1-13-2. Montezuma Slough at National Steel, Wet Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

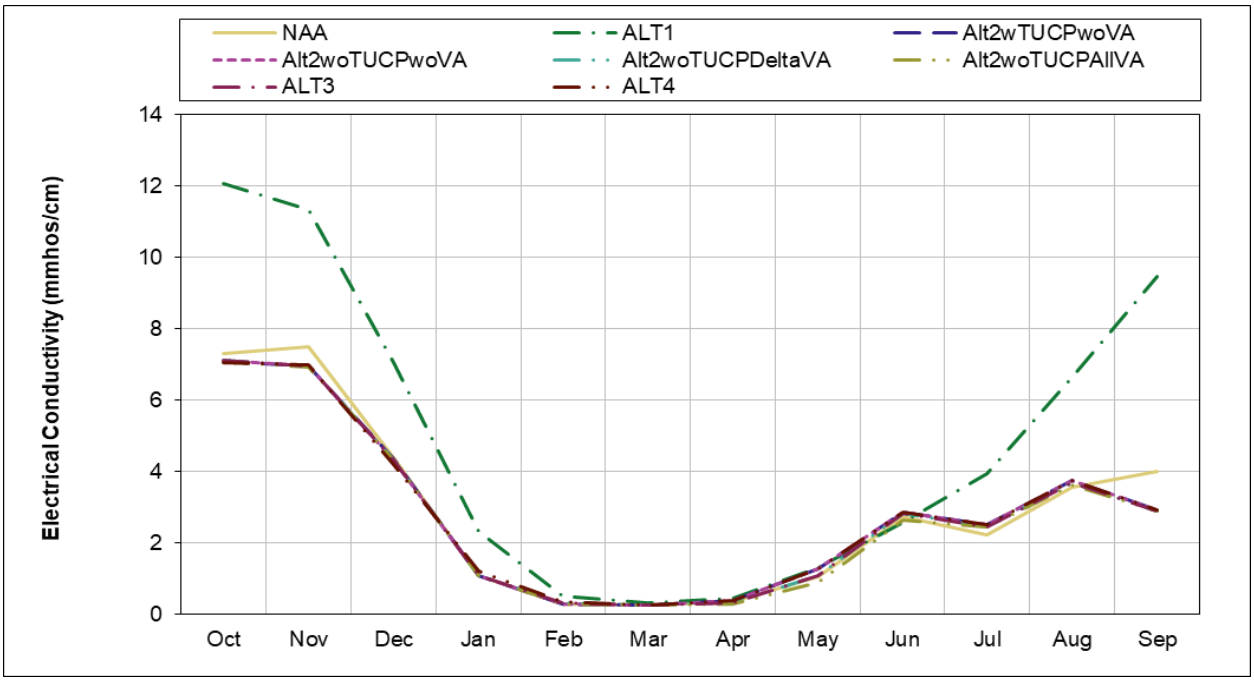

Figure G.1-13-3. Montezuma Slough at National Steel, Above Normal Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

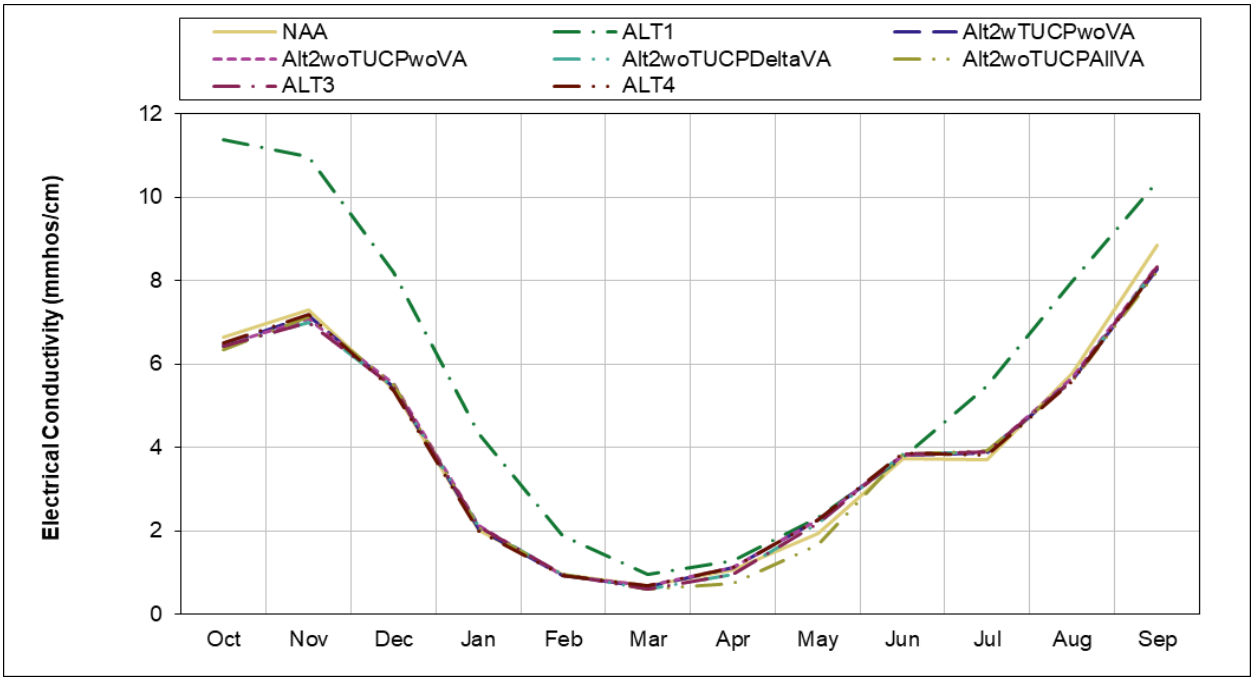

Figure G.1-13-4. Montezuma Slough at National Steel, Below Normal Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

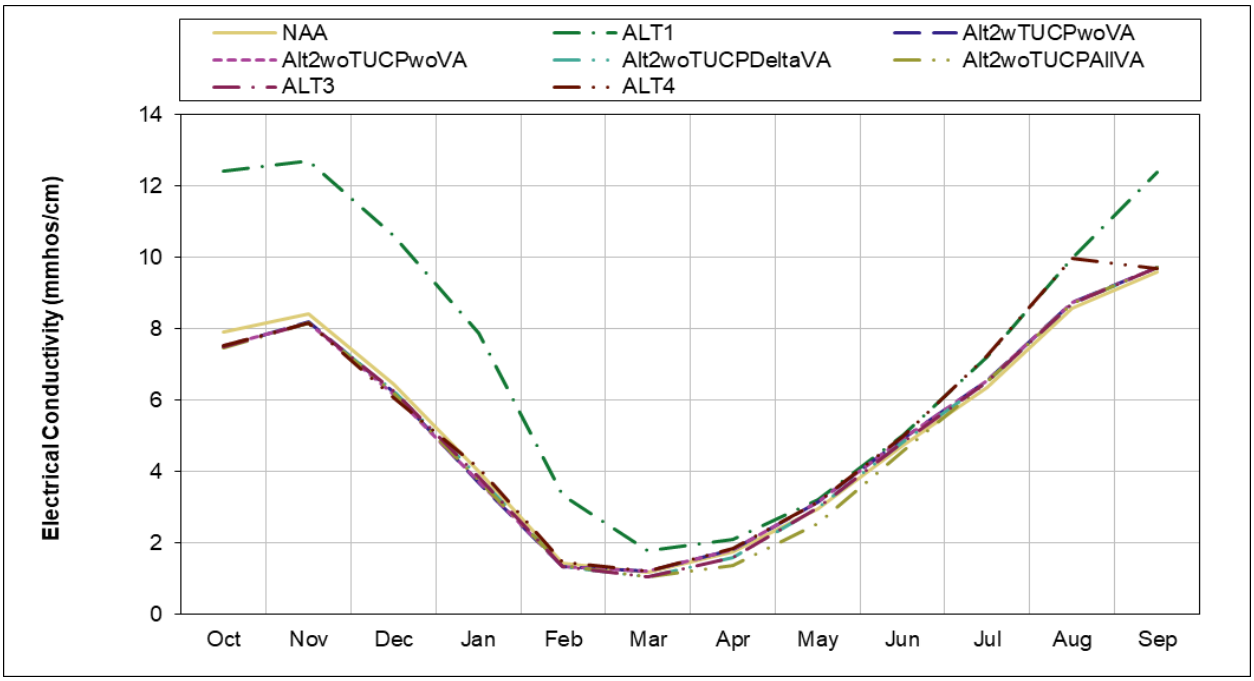

Figure G.1-13-5. Montezuma Slough at National Steel, Dry Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

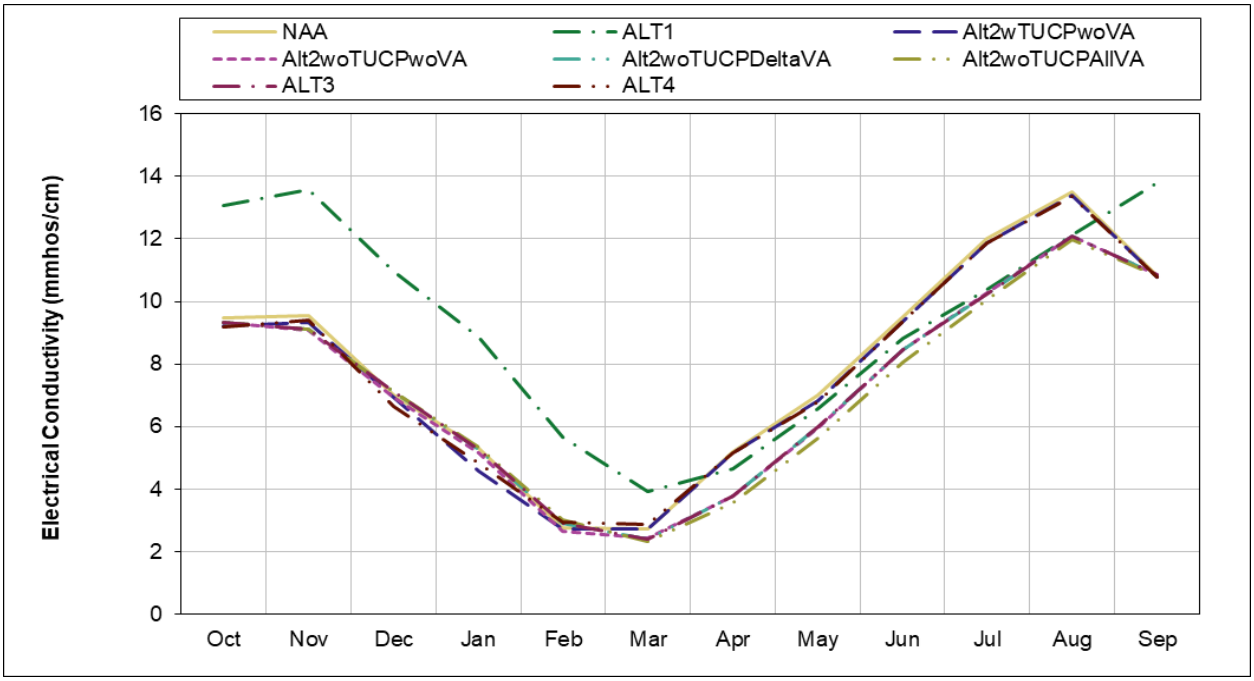

Figure G.1-13-6. Montezuma Slough at National Steel, Critical Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

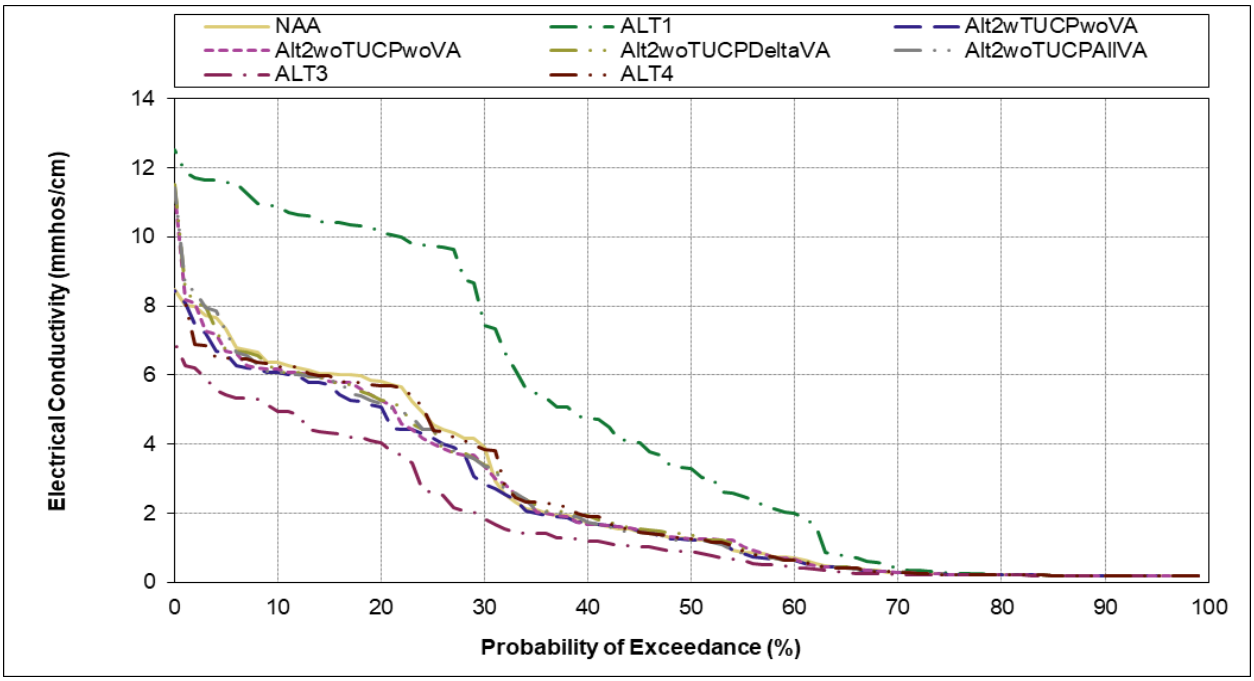

Figure G.1-13-7. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), January

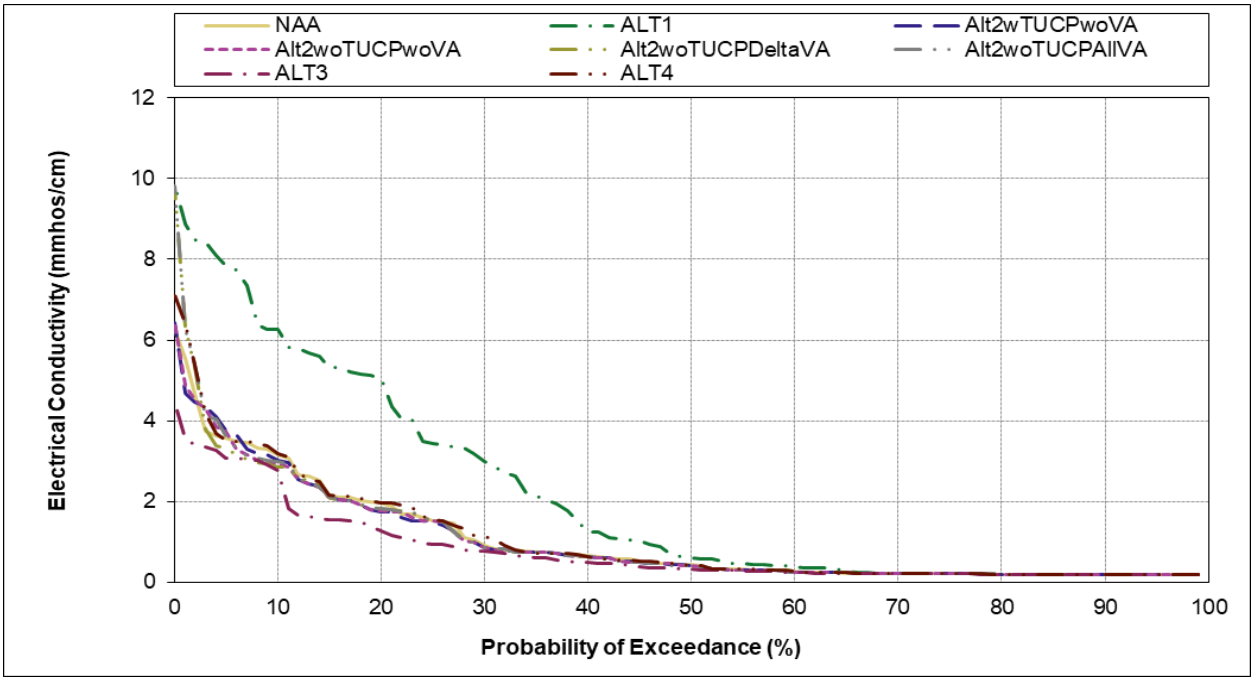

Figure G.1-13-8. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), February

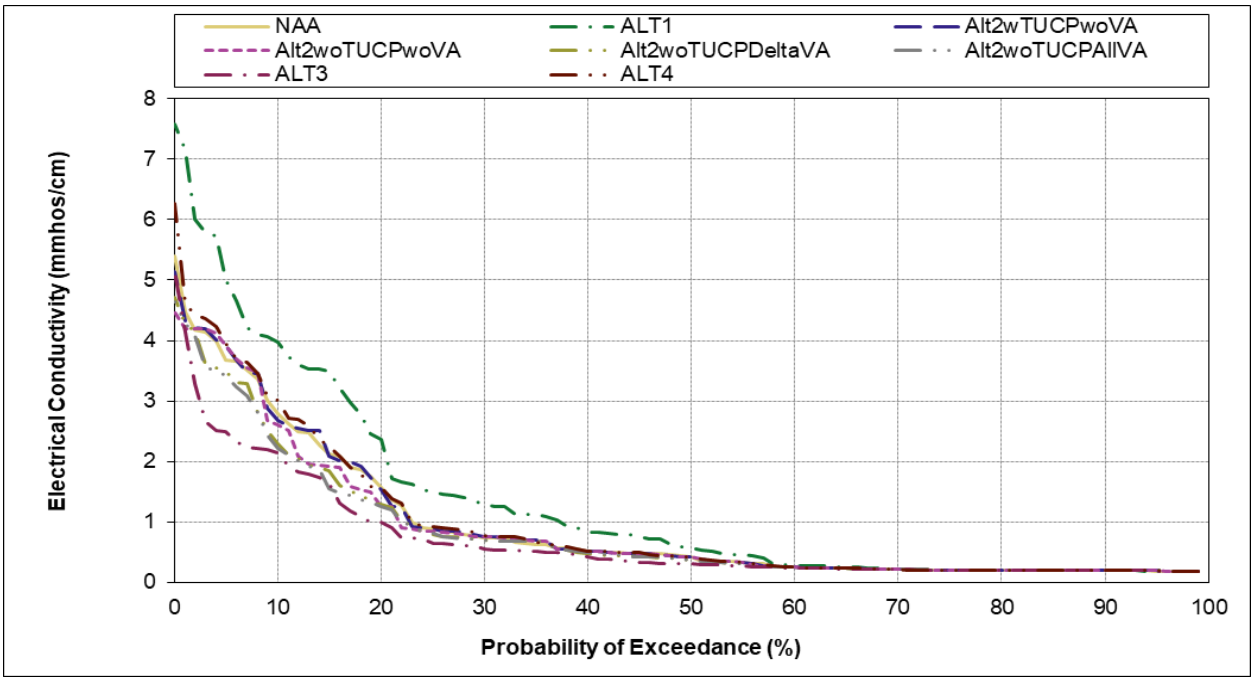

Figure G.1-13-9. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), March

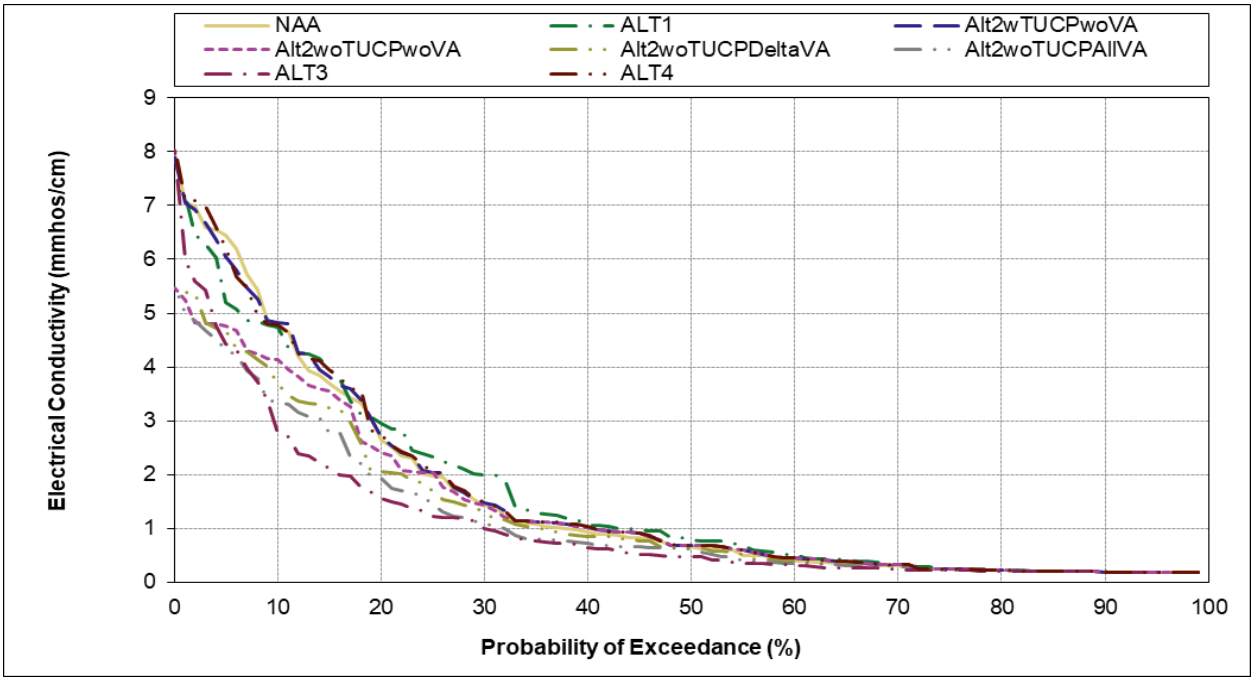

Figure G.1-13-10. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), April

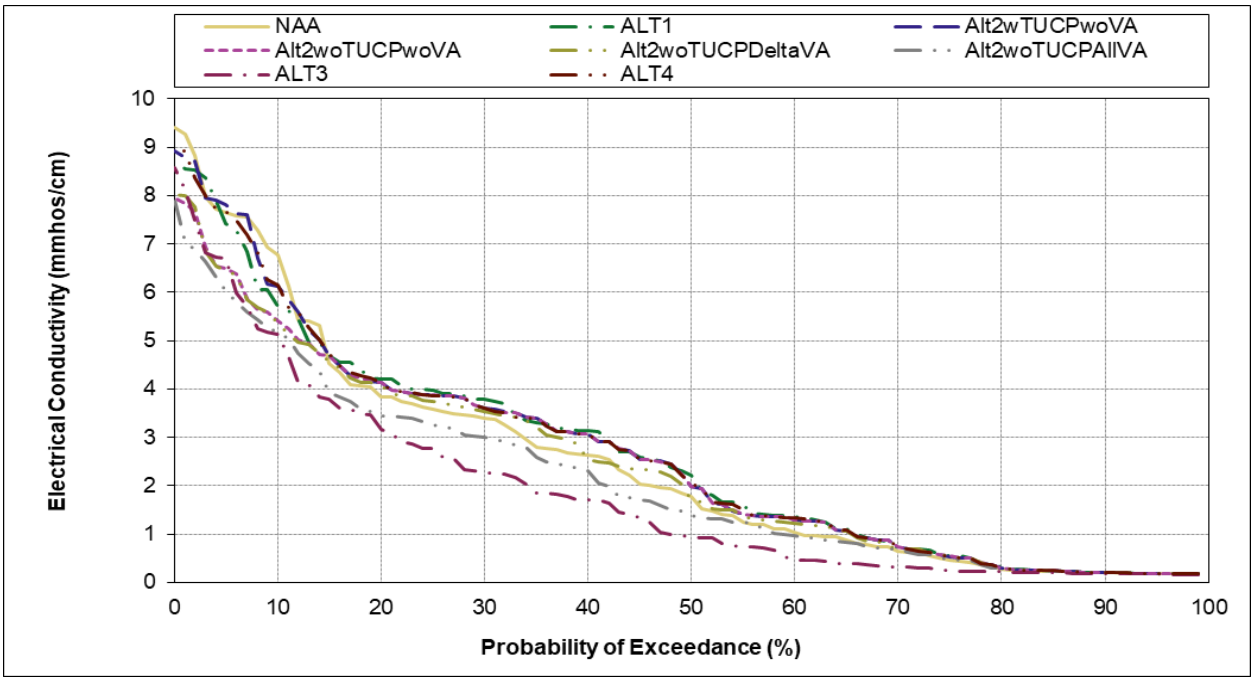

Figure G.1-13-11. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), May

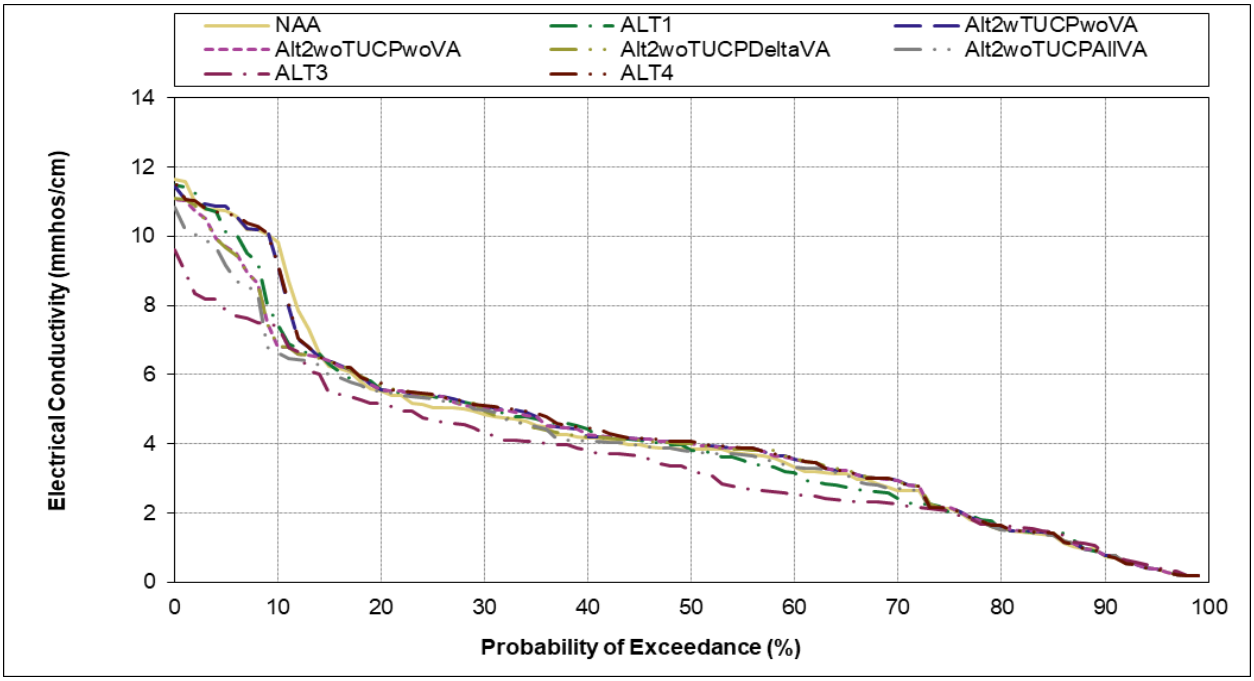

Figure G.1-13-12. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), June

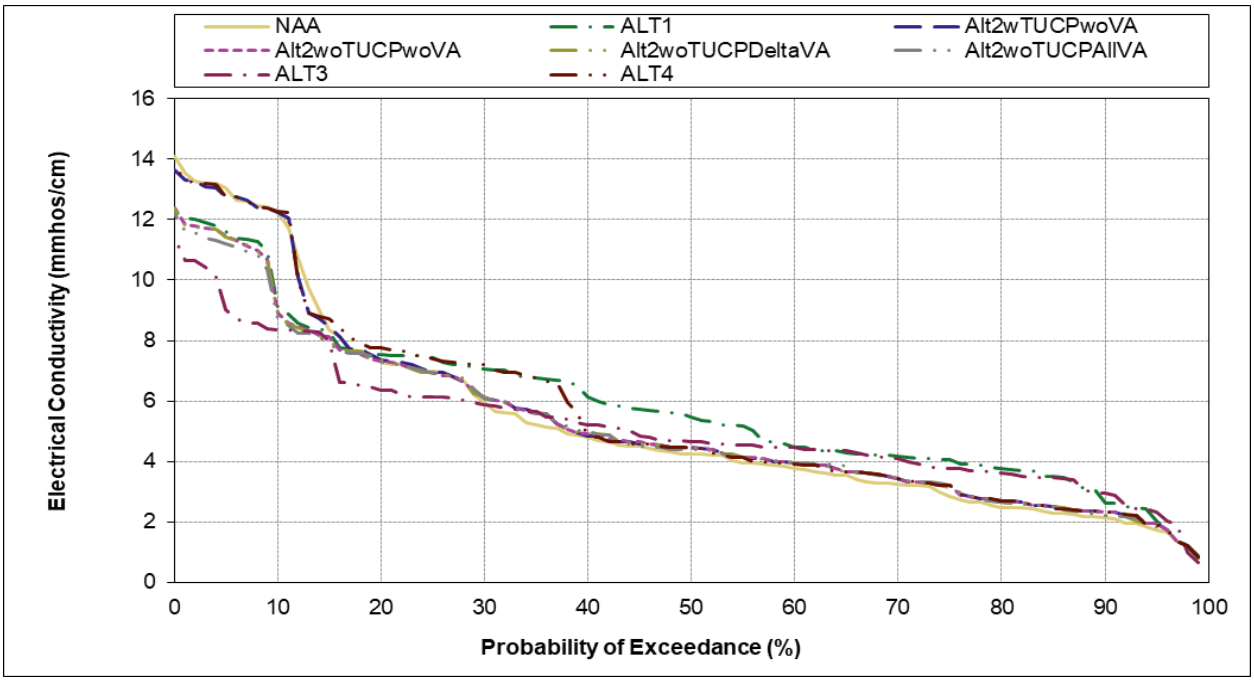

Figure G.1-13-13. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), July

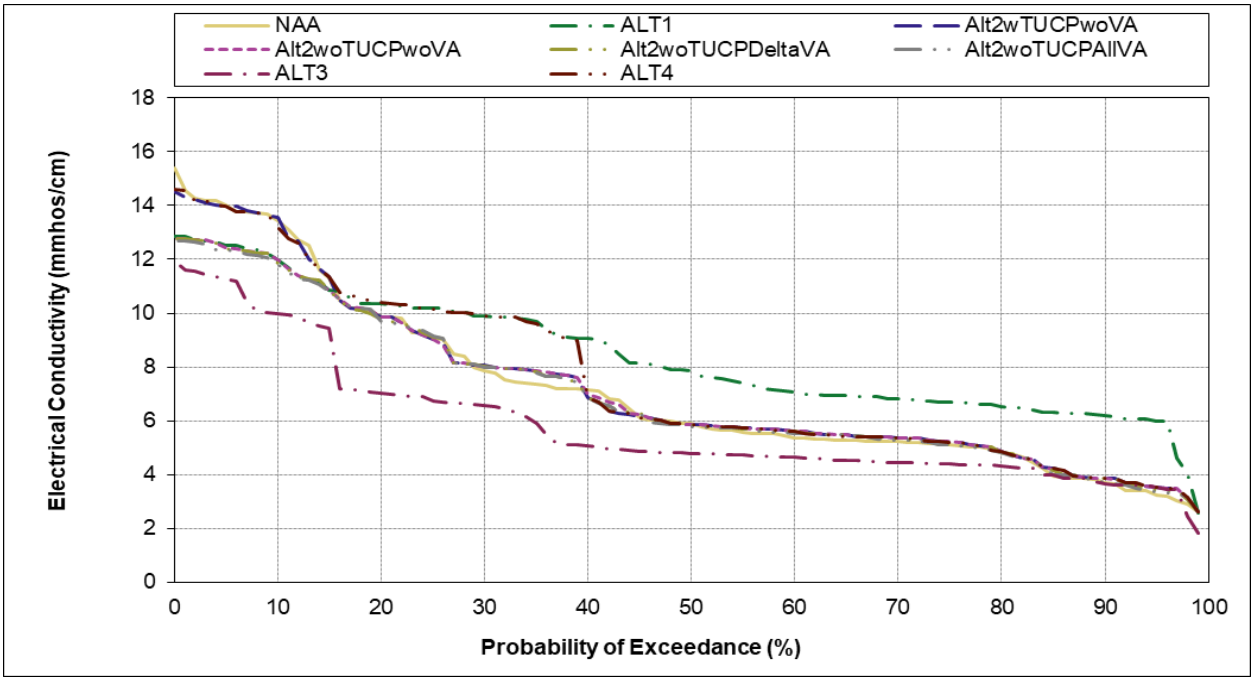

Figure G.1-13-14. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), August

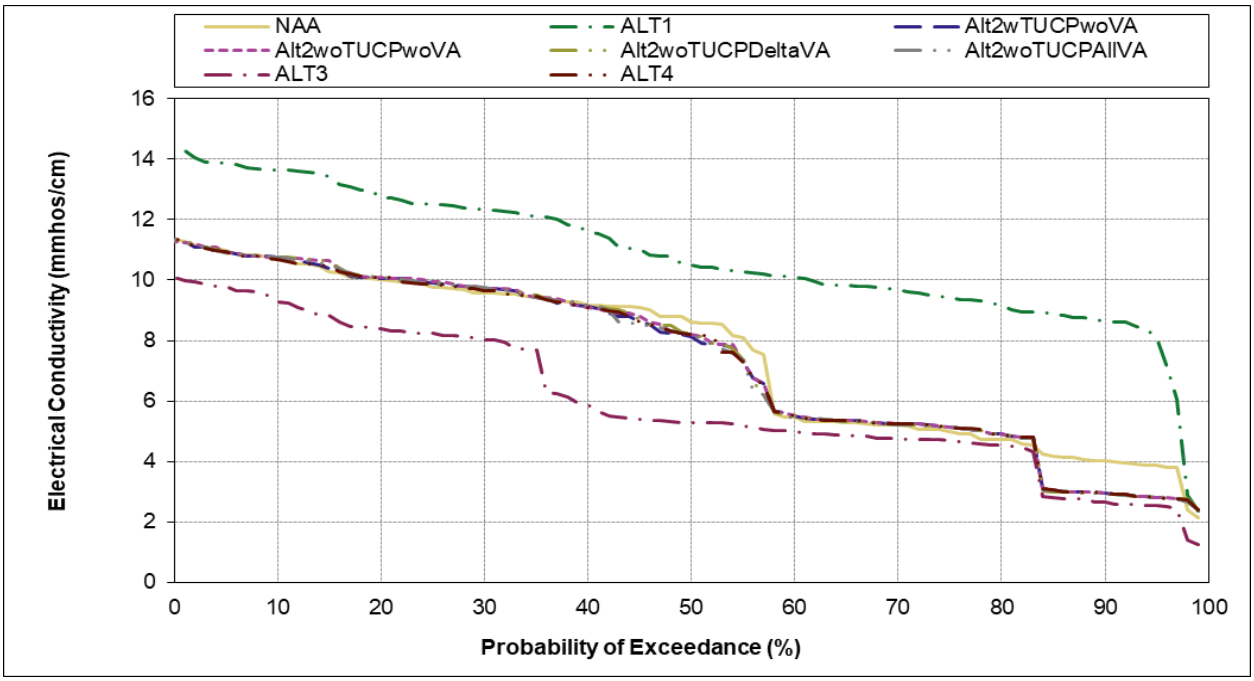

Figure G.1-13-15. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), September

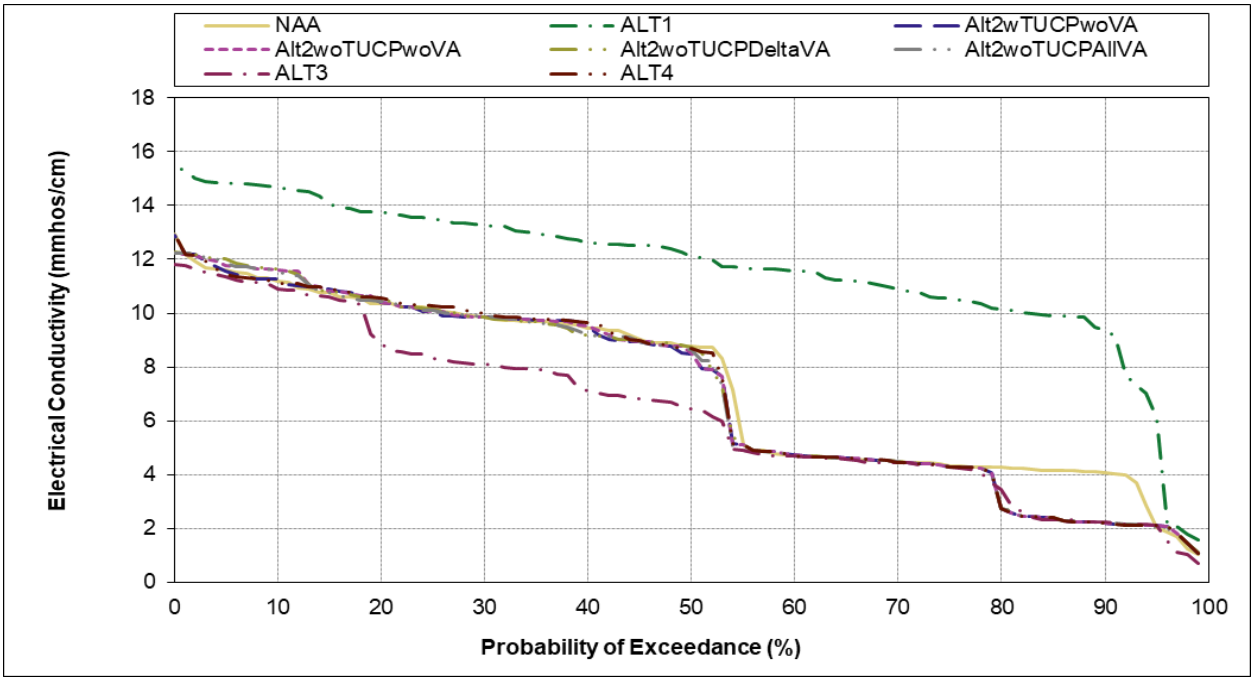

Figure G.1-13-16. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), October

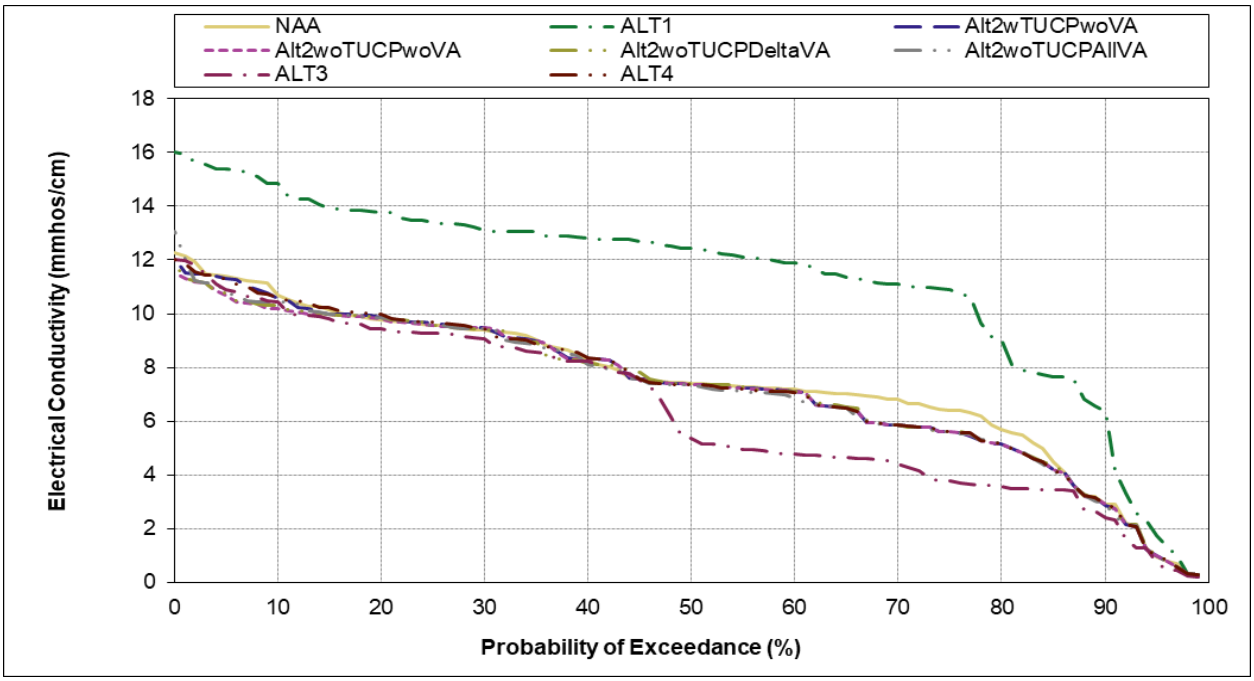

Figure G.1-13-17. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), November

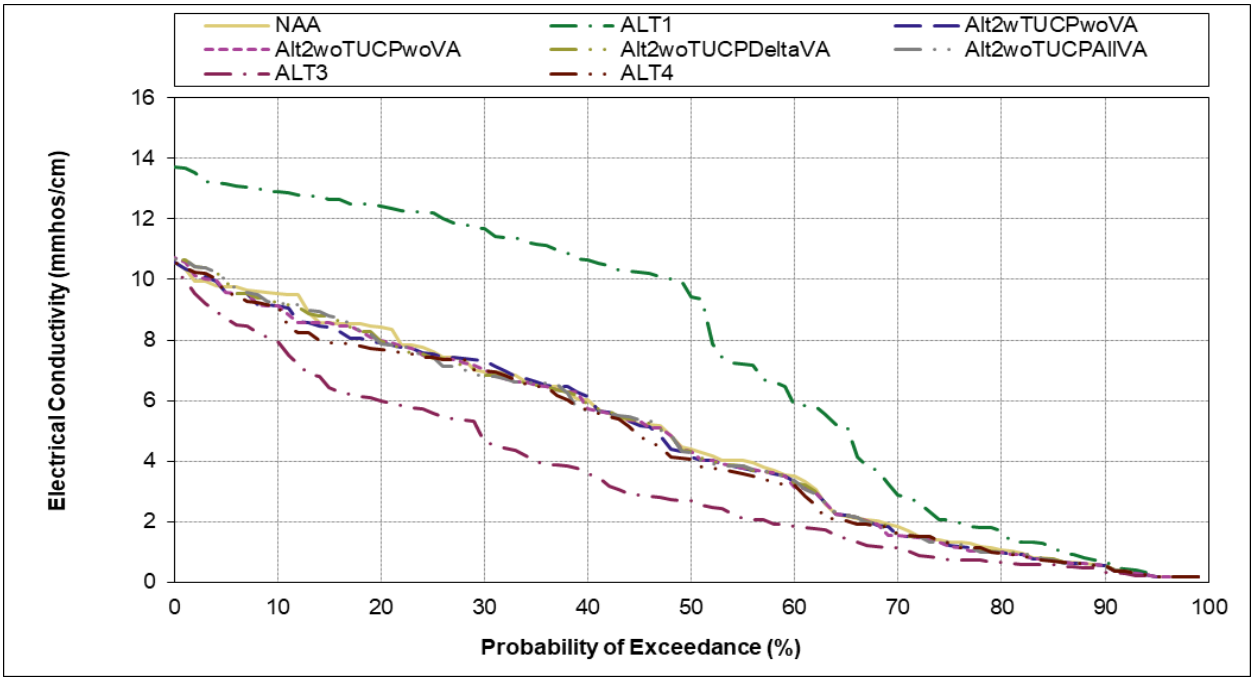

Figure G.1-13-18. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), December

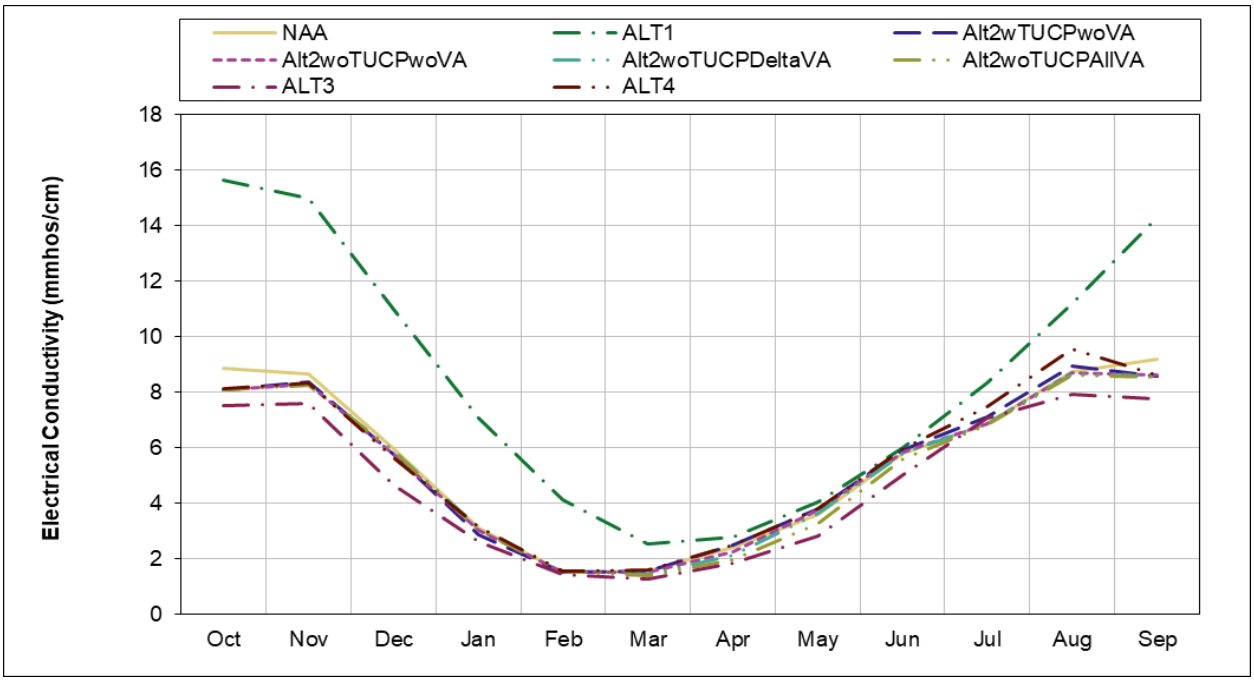

Figure G.1-14-1. Montezuma Slough near Beldon Landing, Long term Monthly Average Electrical Conductivity (in millimhos per centimeter)

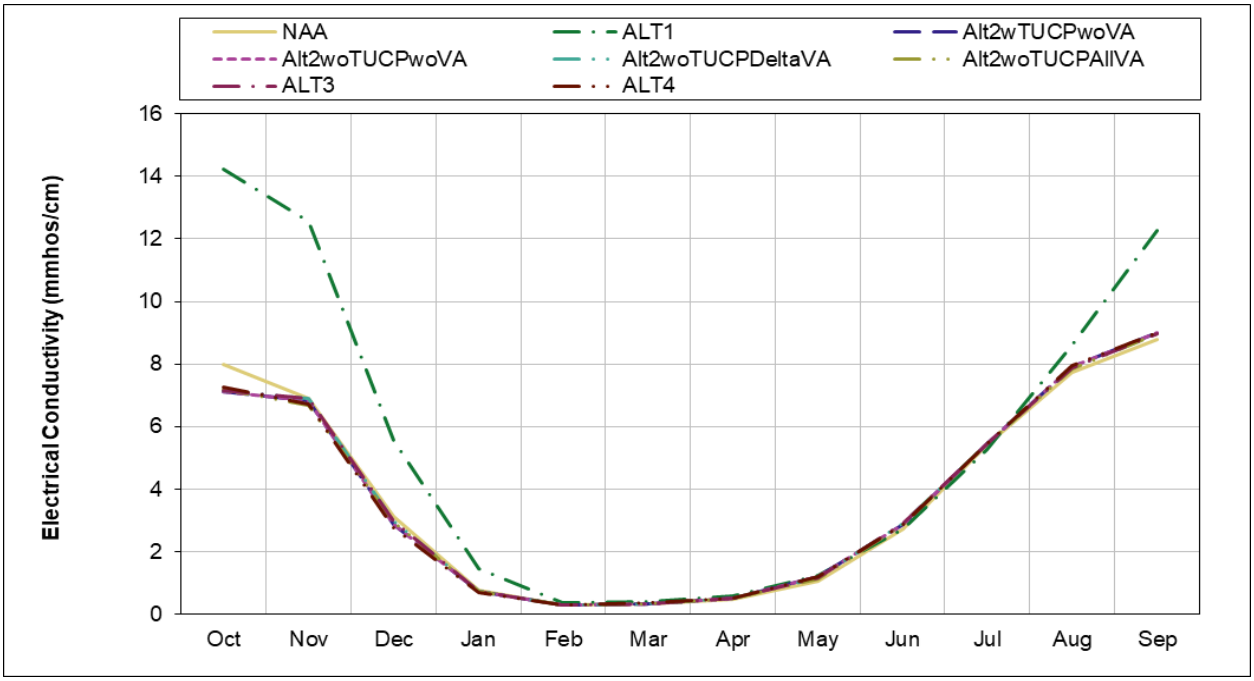

Figure G.1-14-2. Montezuma Slough near Beldon Landing, Wet Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

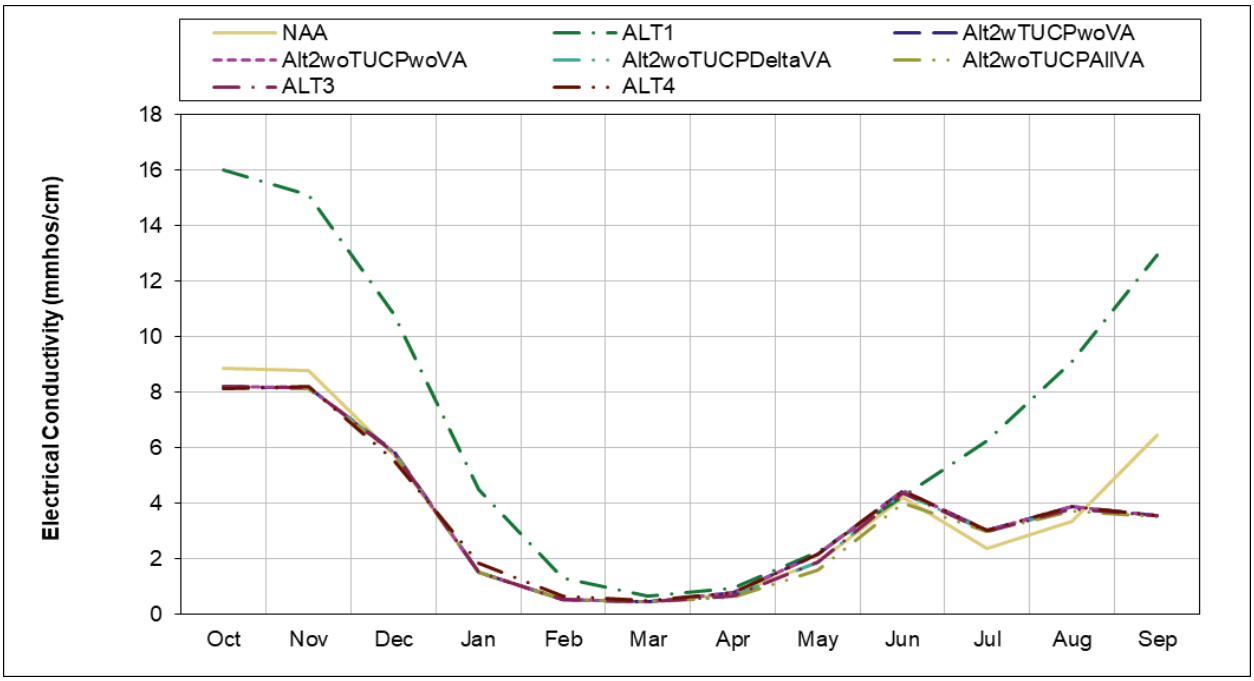

Figure G.1-14-3. Montezuma Slough near Beldon Landing, Above Normal Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

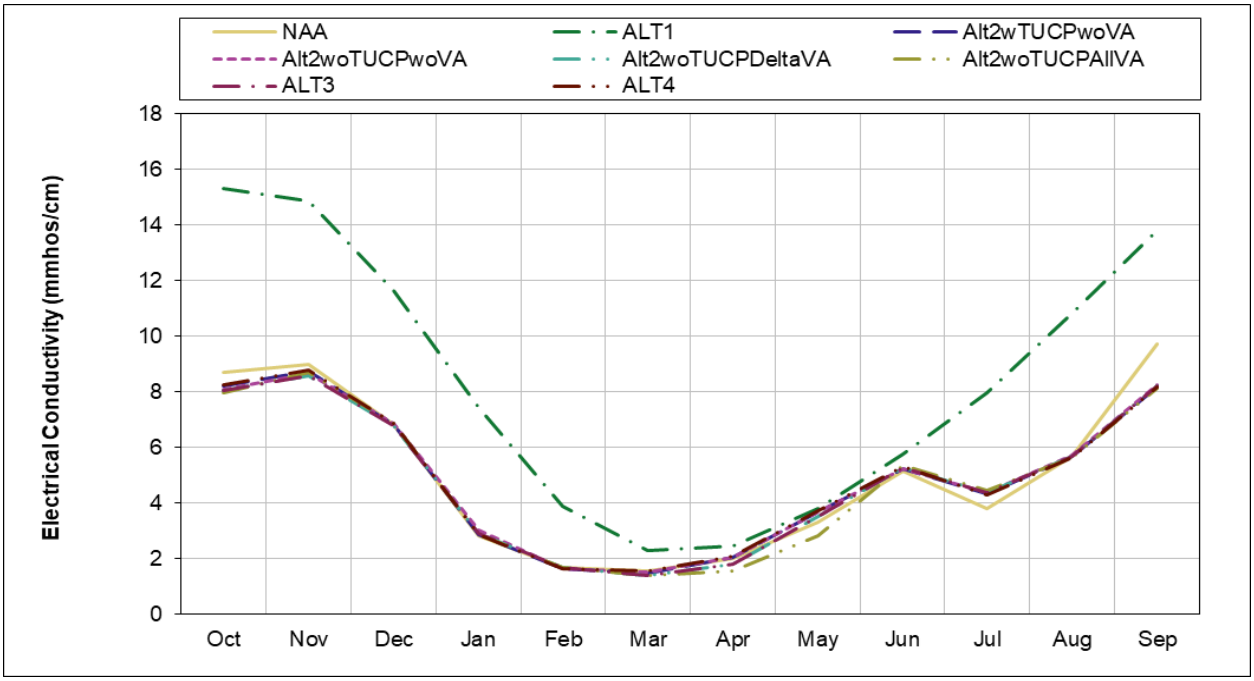

Figure G.1-14-4. Montezuma Slough near Beldon Landing, Below Normal Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

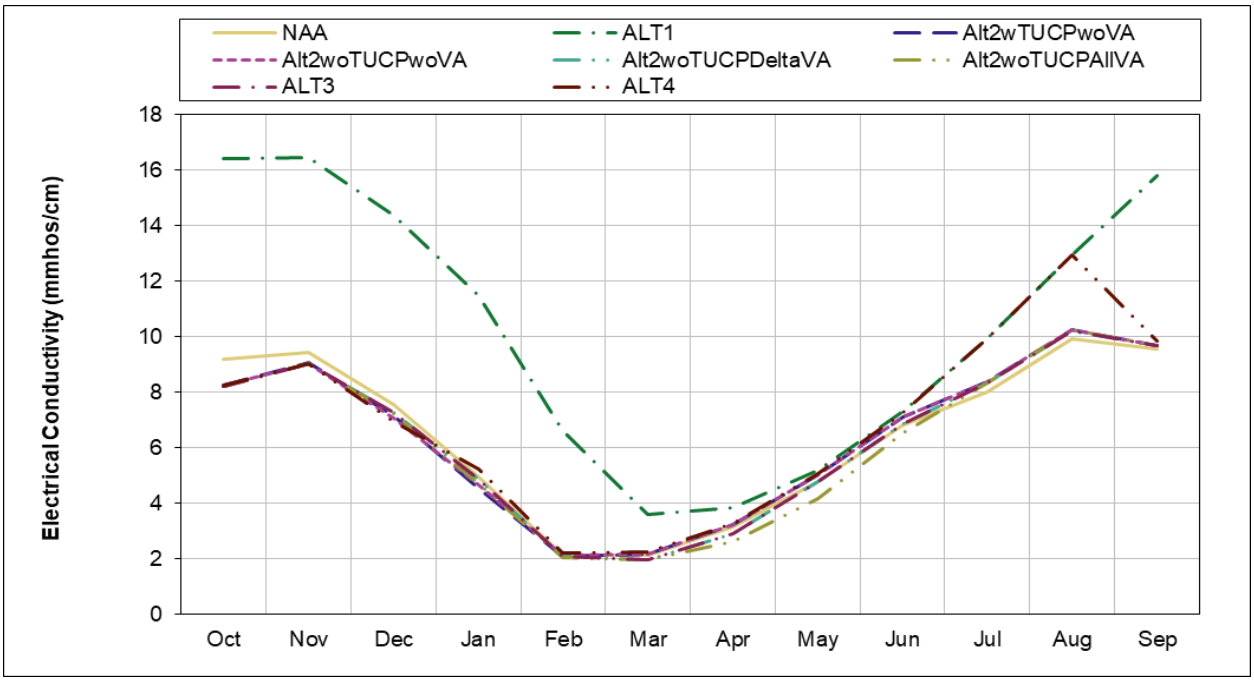

Figure G.1-14-5. Montezuma Slough near Beldon Landing, Dry Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

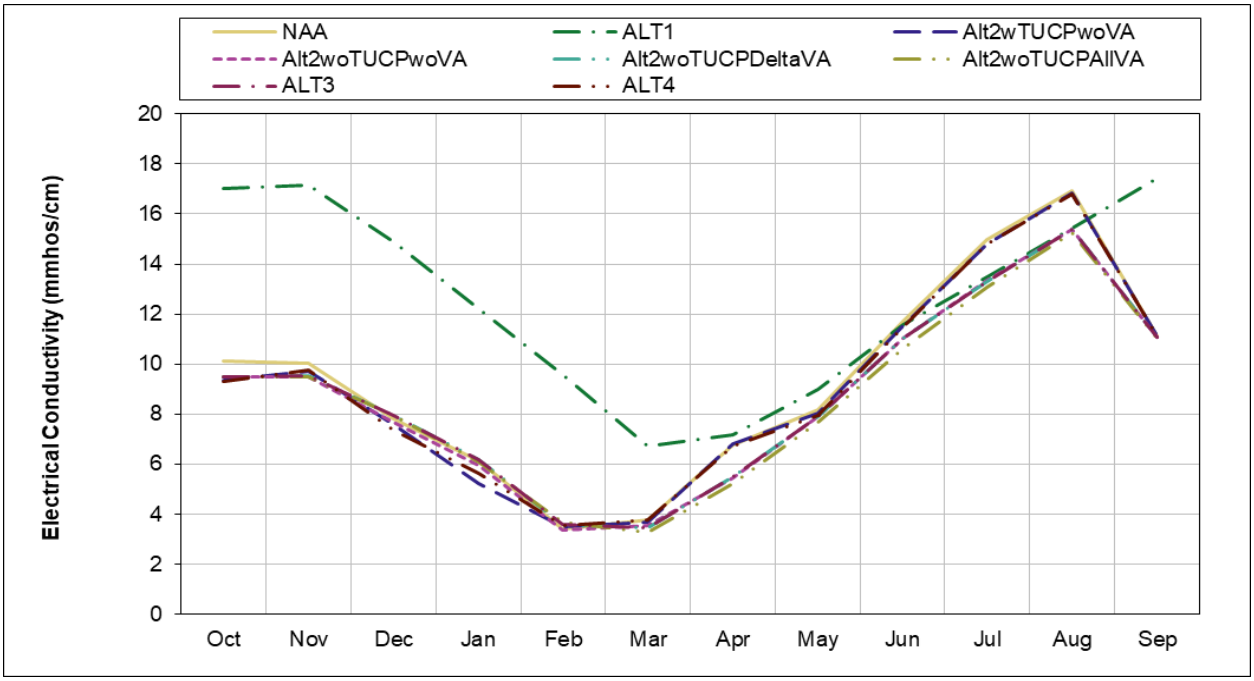

Figure G.1-14-6. Montezuma Slough near Beldon Landing, Critical Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

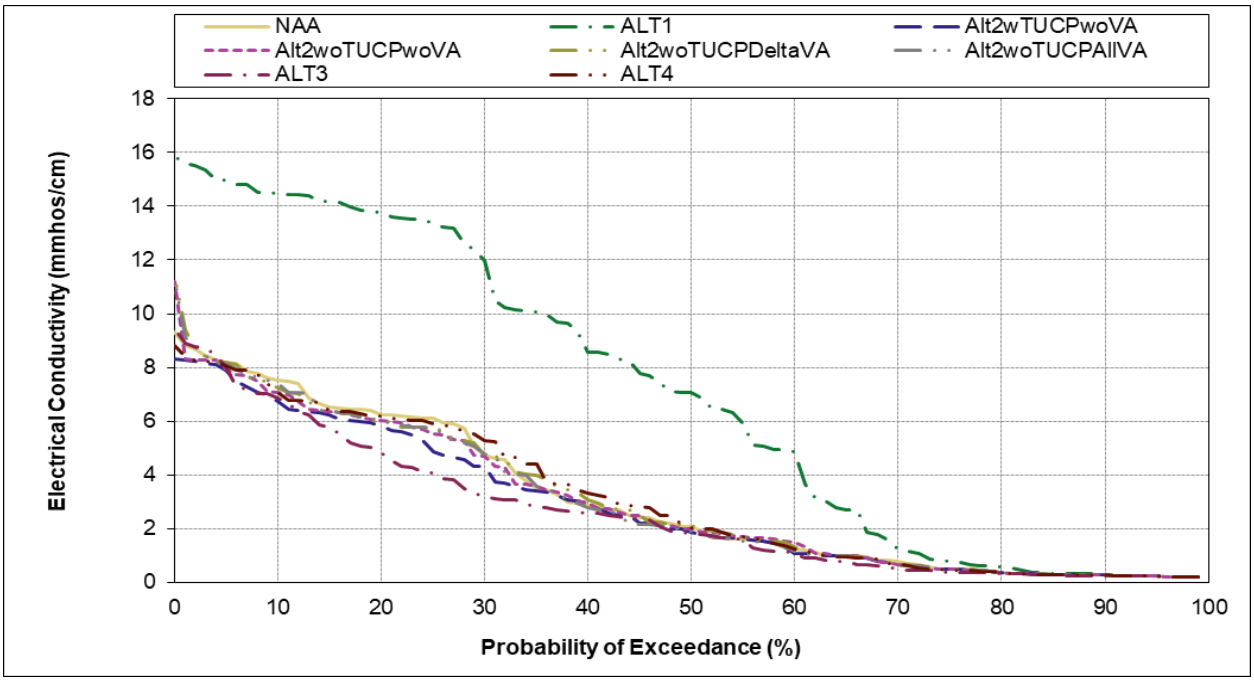

Figure G.1-14-7. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), January

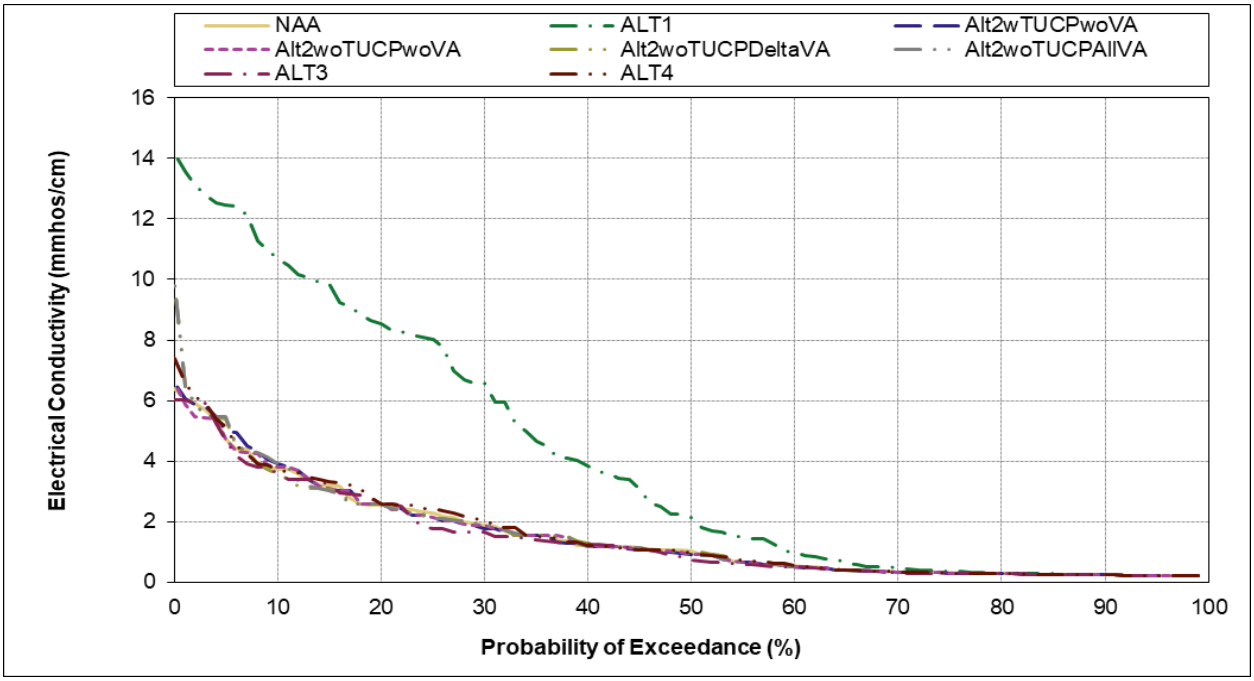

Figure G.1-14-8. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), February

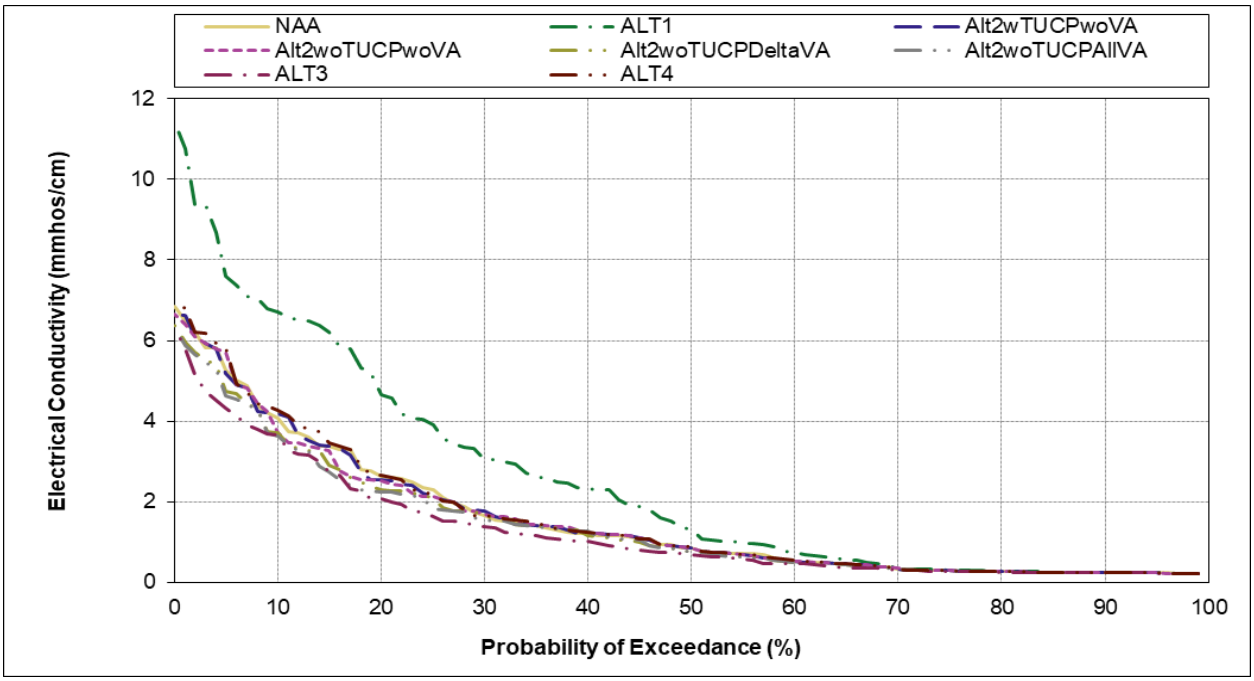

Figure G.1-14-9. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), March

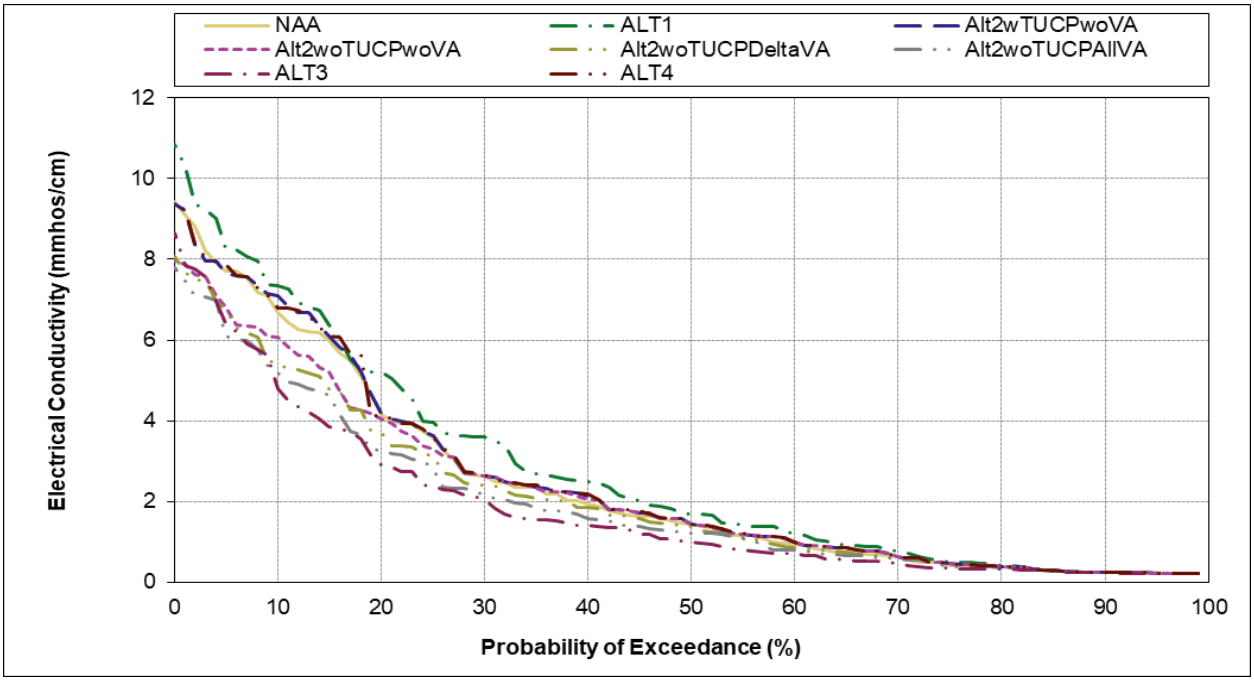

Figure G.1-14-10. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), April

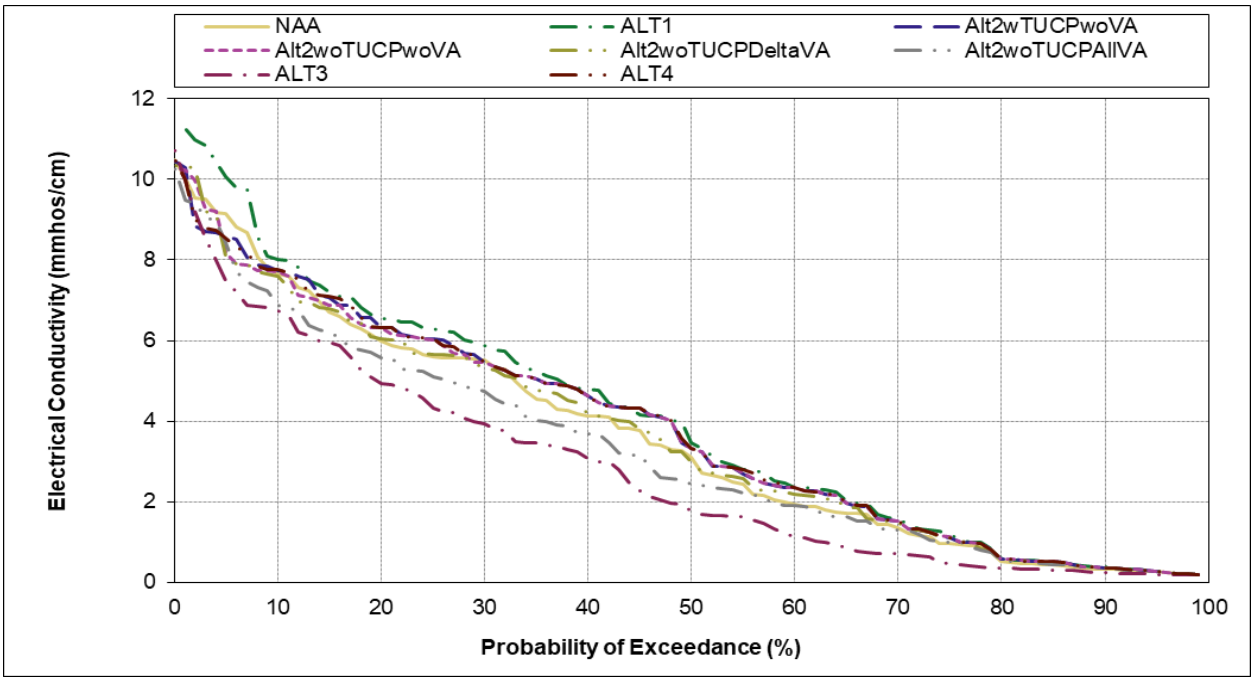

Figure G.1-14-11. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), May

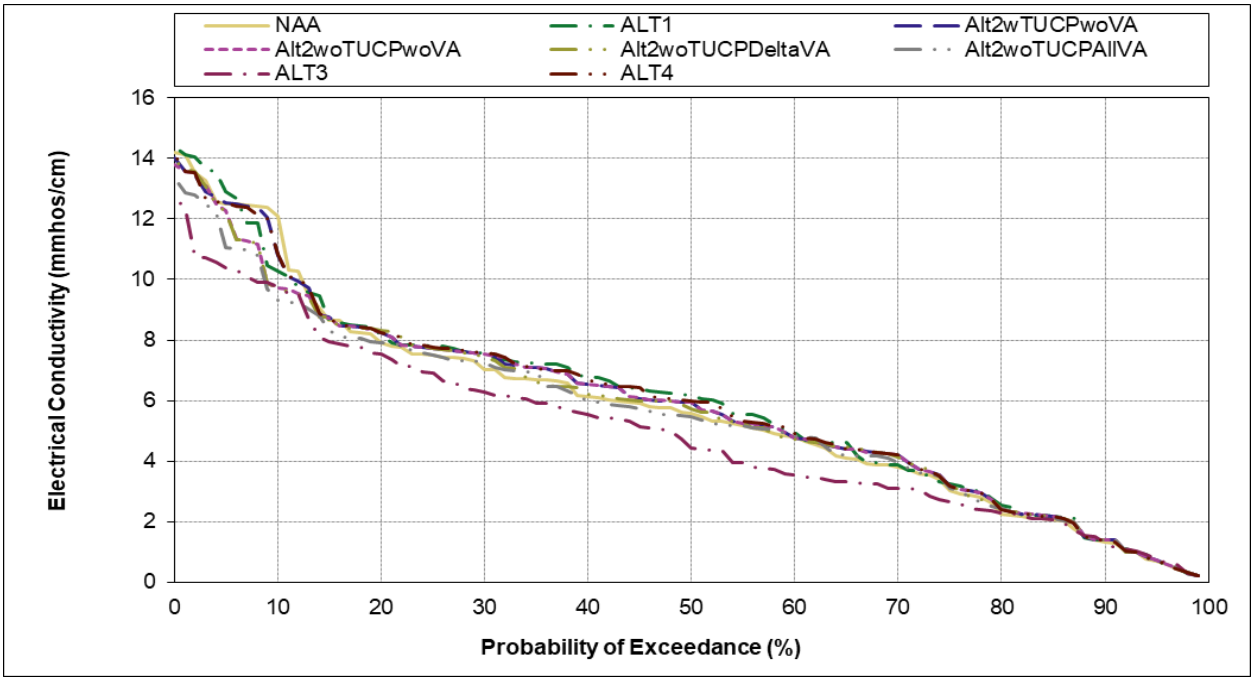

Figure G.1-14-12. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), June

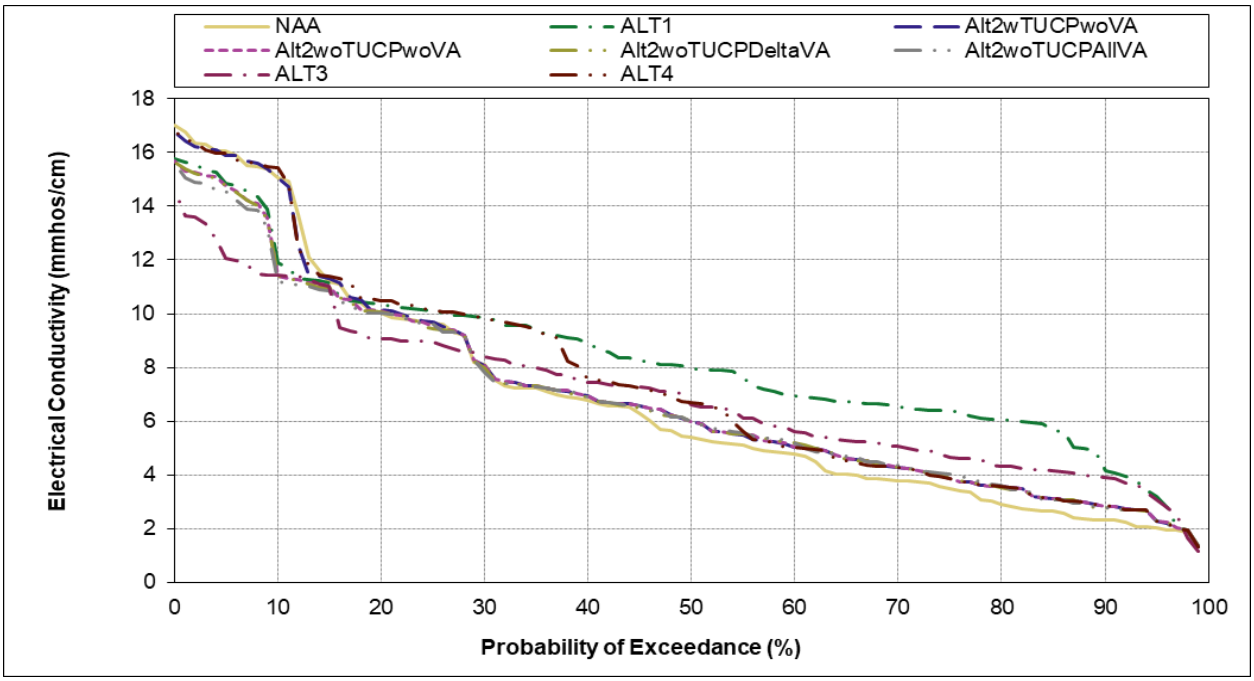

Figure G.1-14-13. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), July

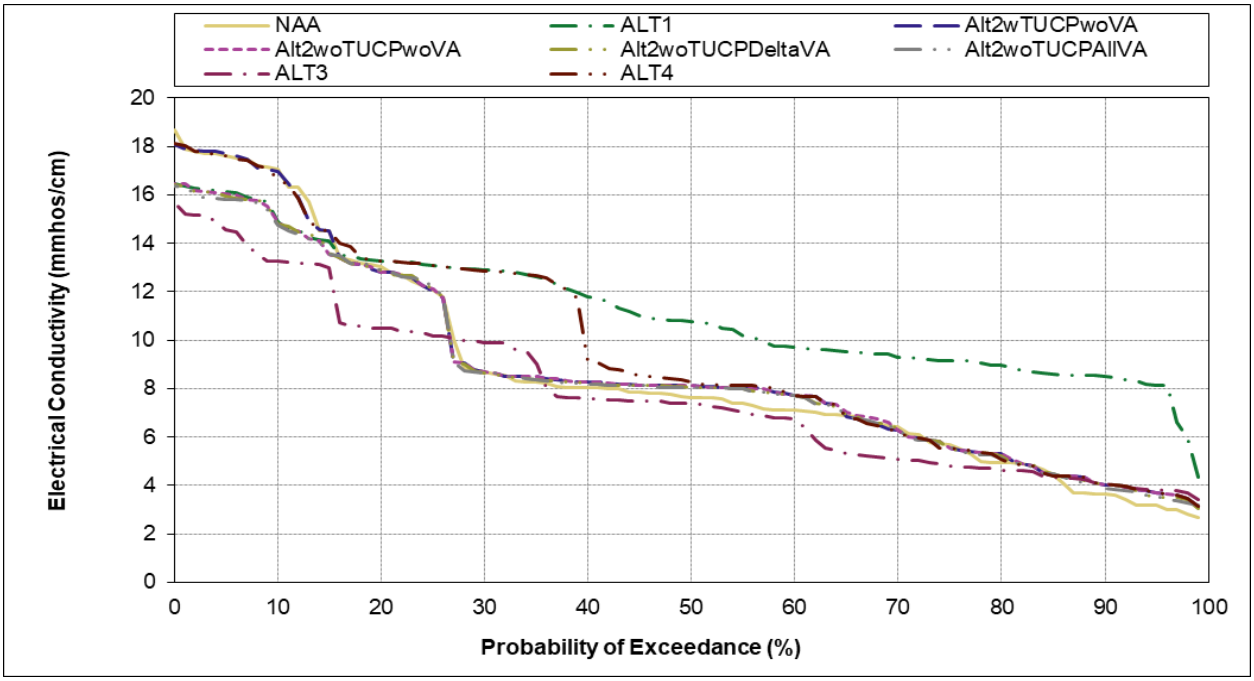

Figure G.1-14-14. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), August

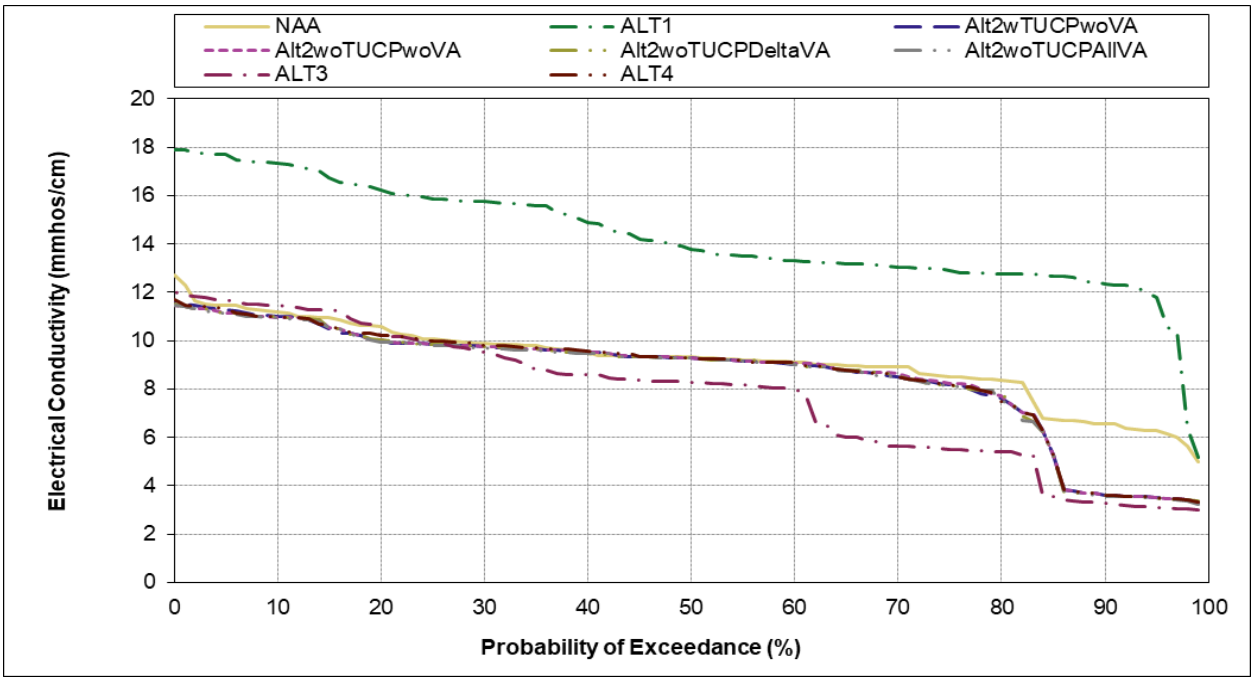

Figure G.1-14-15. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), September

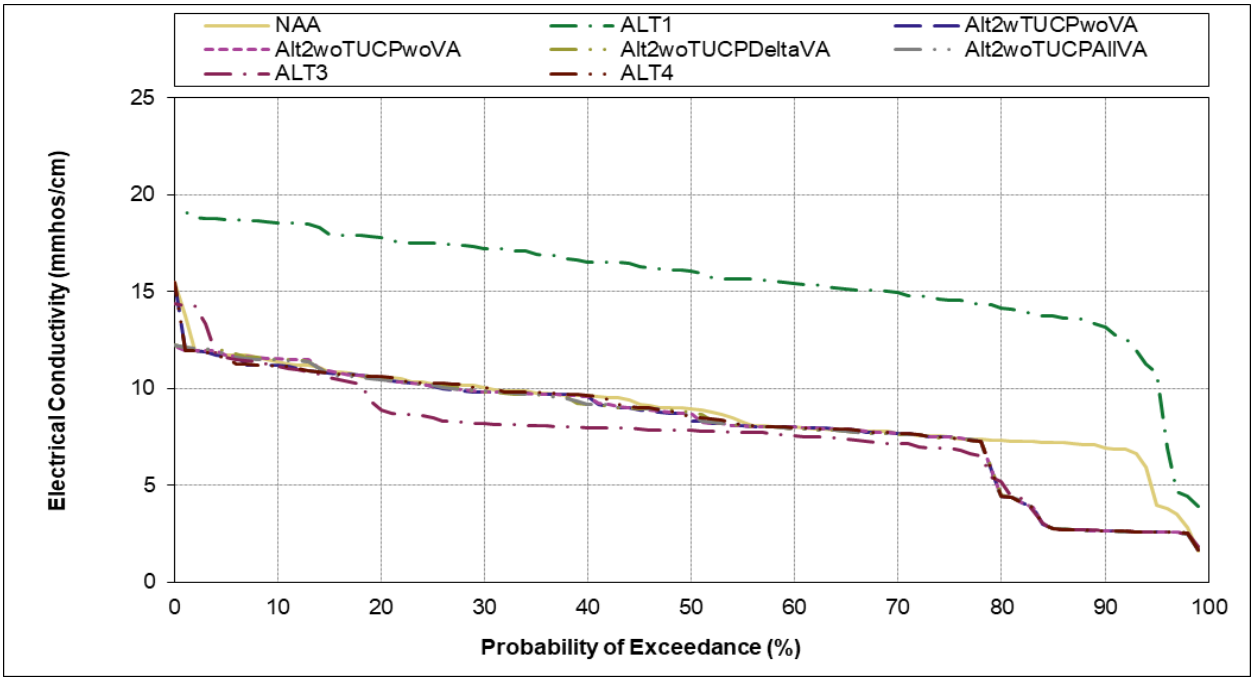

Figure G.1-14-16. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), October

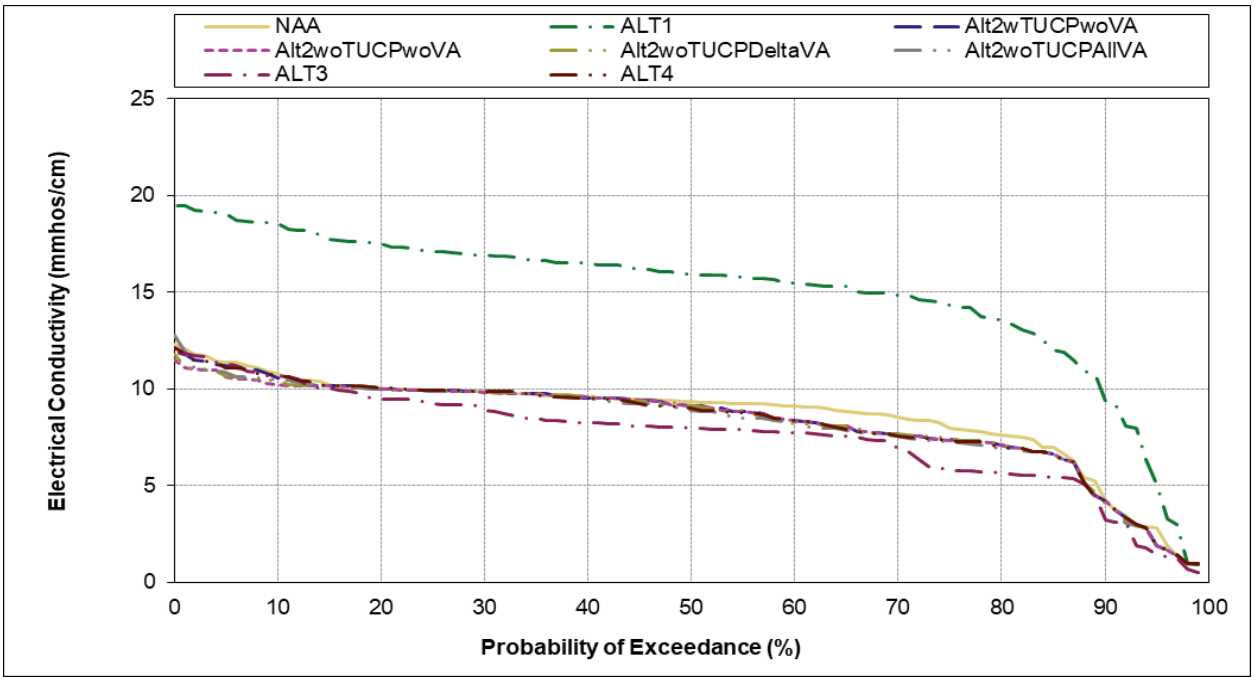

Figure G.1-14-17. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), November

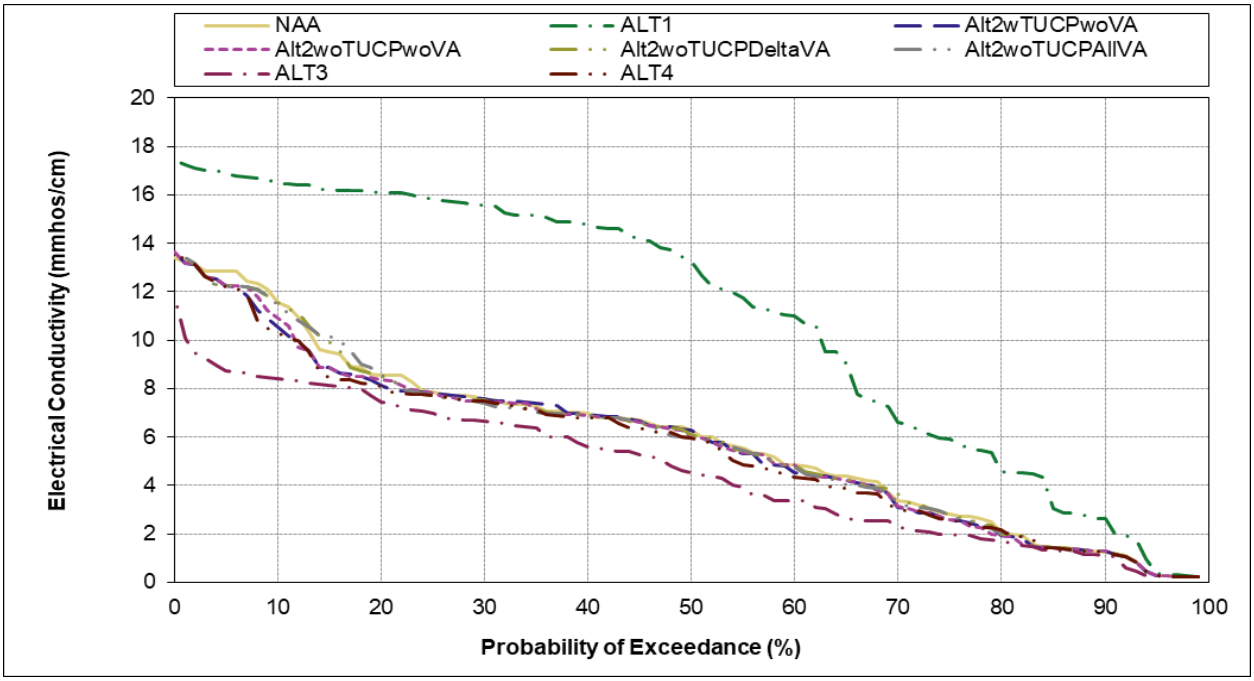

Figure G.1-14-18. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), December

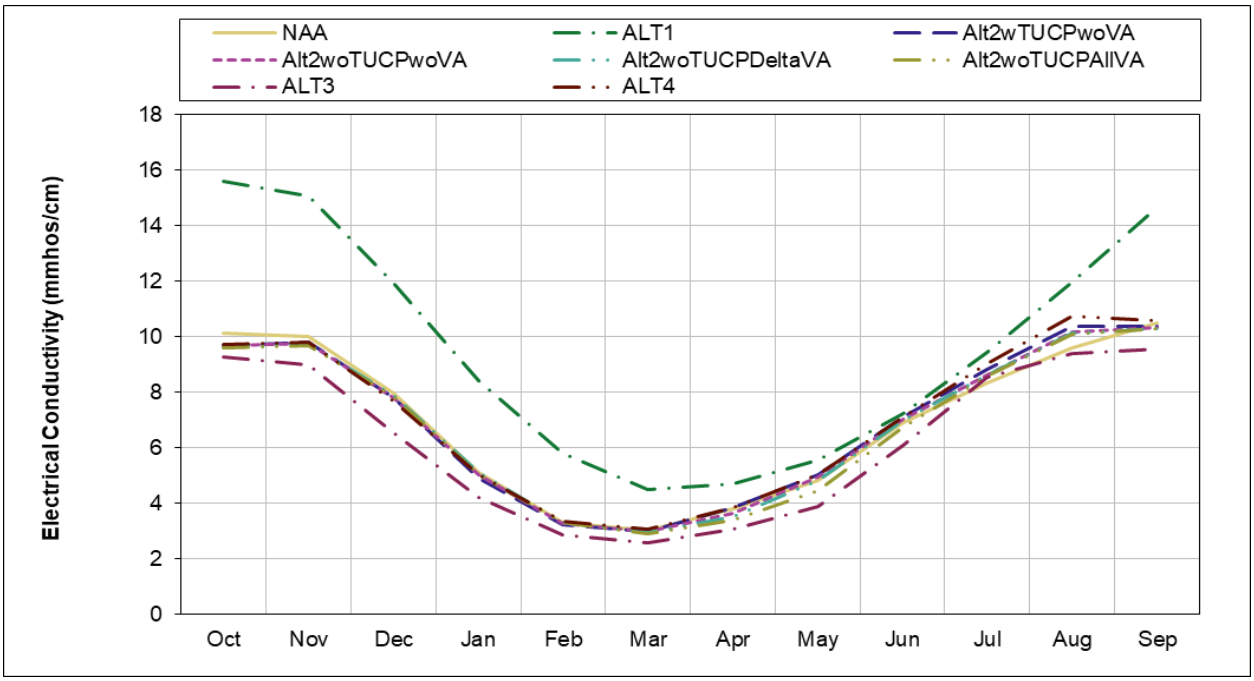

Figure G.1-15-1. Chadbourne Slough near Sunrise Duck Club, Long term Monthly Average Electrical Conductivity (in millimhos per centimeter)

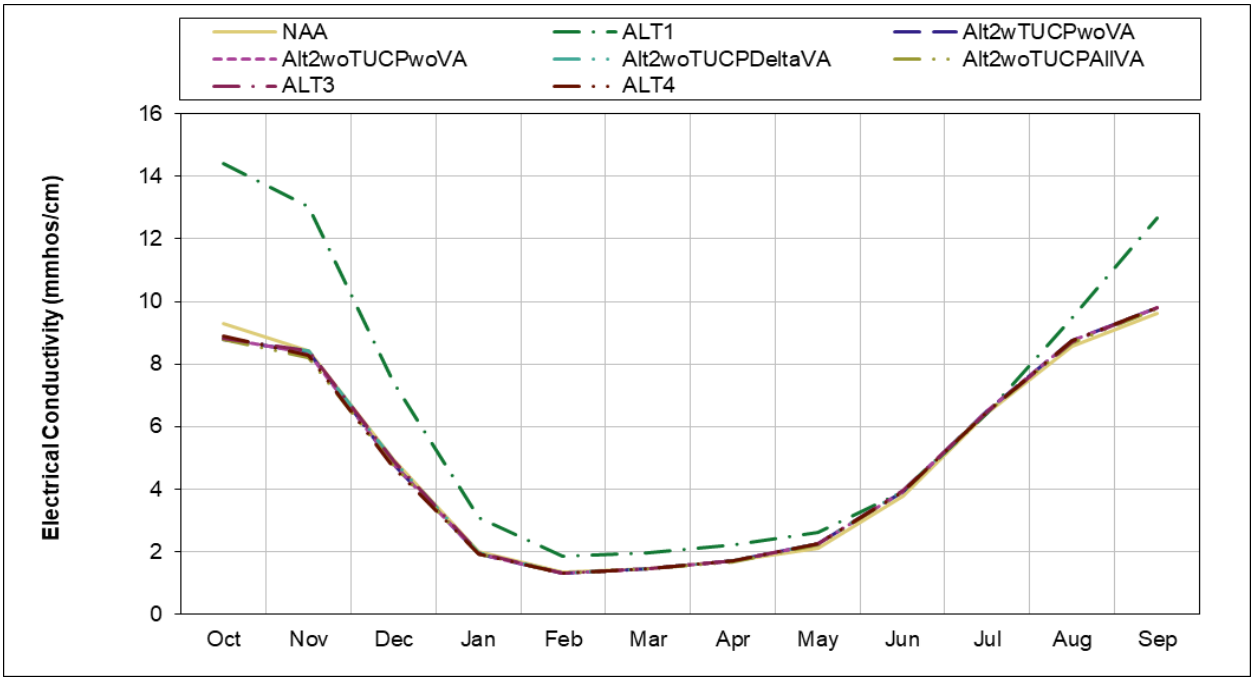

Figure G.1-15-2. Chadbourne Slough near Sunrise Duck Club, Wet Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

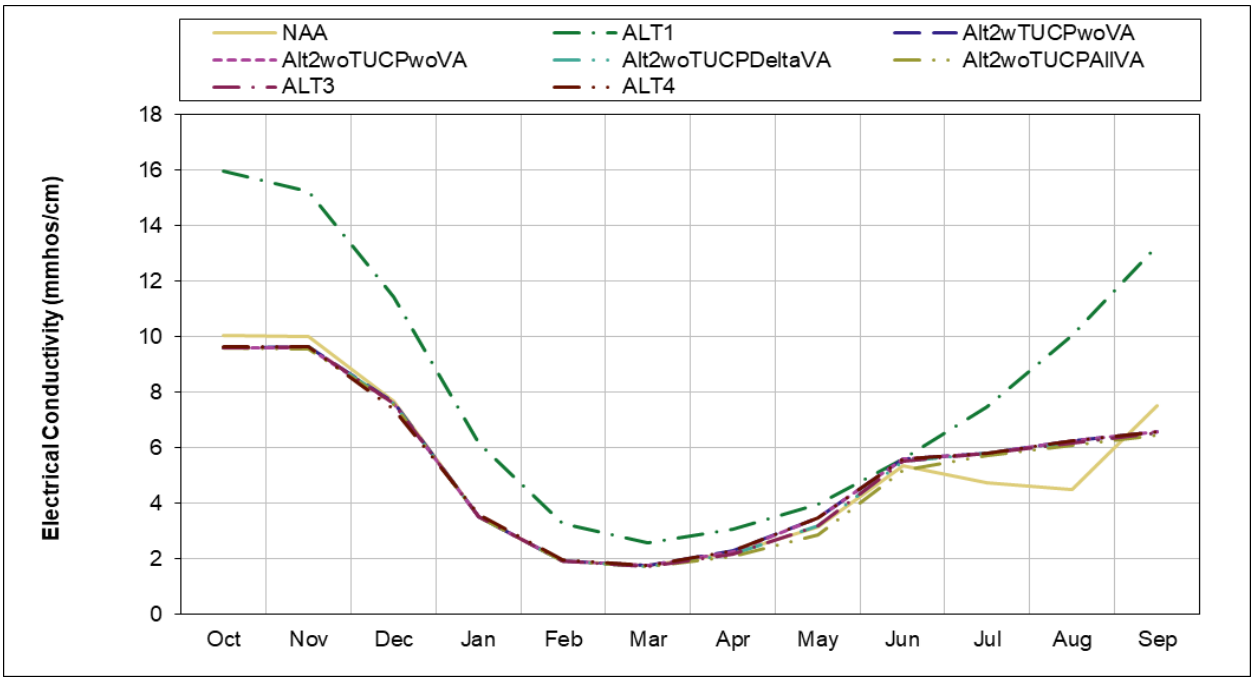

Figure G.1-15-3. Chadbourne Slough near Sunrise Duck Club, Above Normal Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

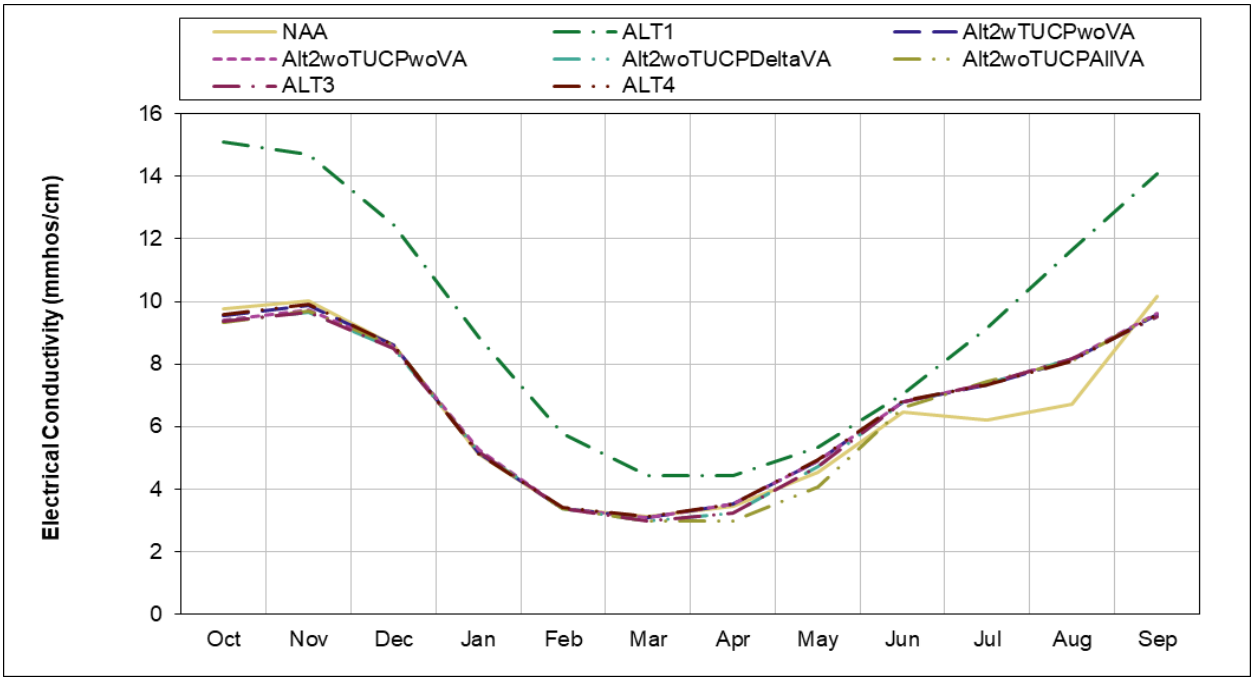

Figure G.1-15-4. Chadbourne Slough near Sunrise Duck Club, Below Normal Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

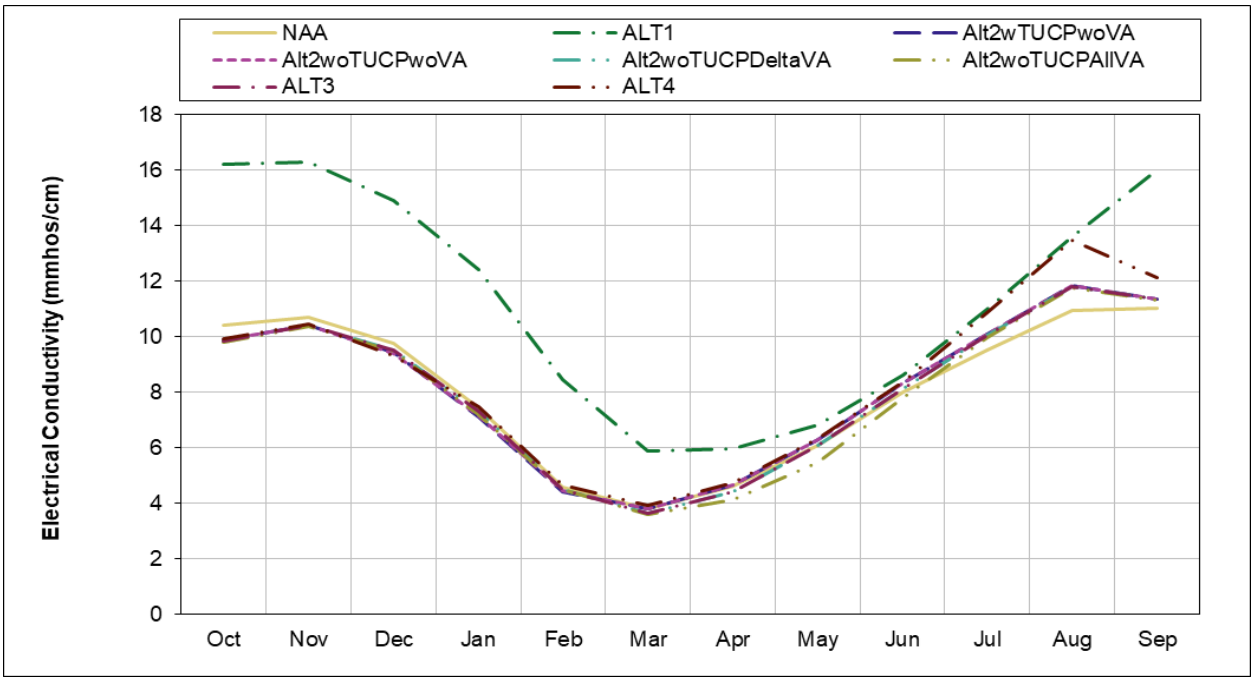

Figure G.1-15-5. Chadbourne Slough near Sunrise Duck Club, Dry Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

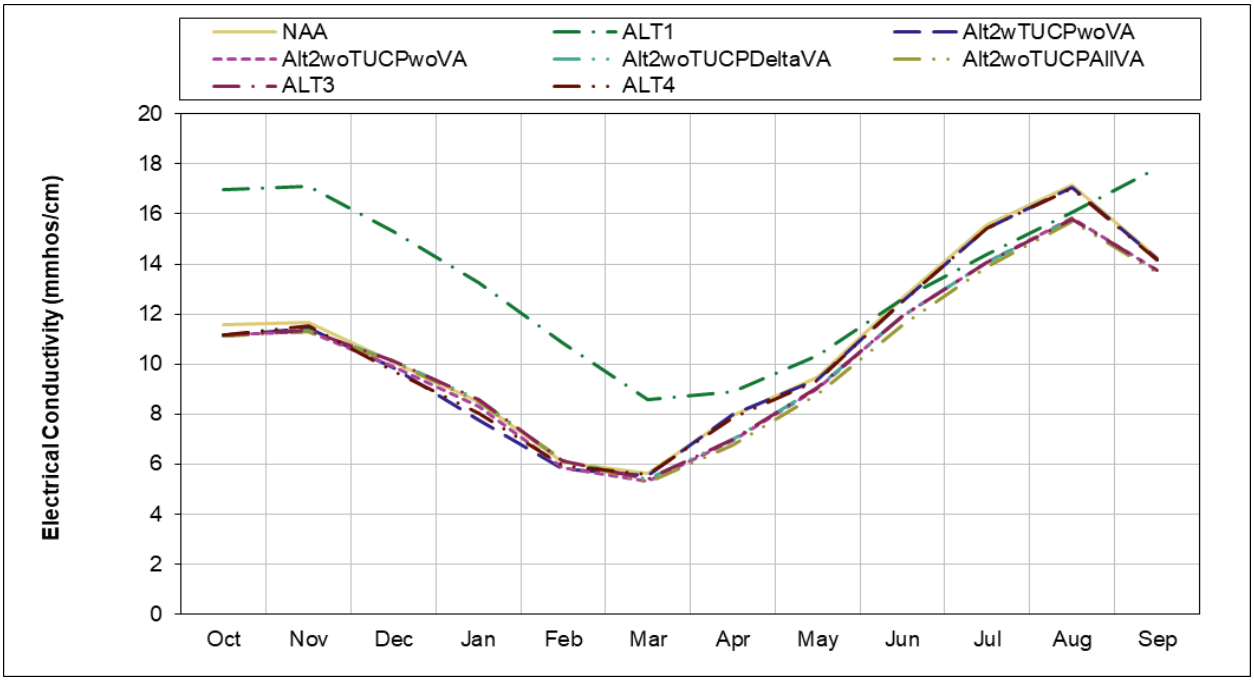

Figure G.1-15-6. Chadbourne Slough near Sunrise Duck Club, Critical Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

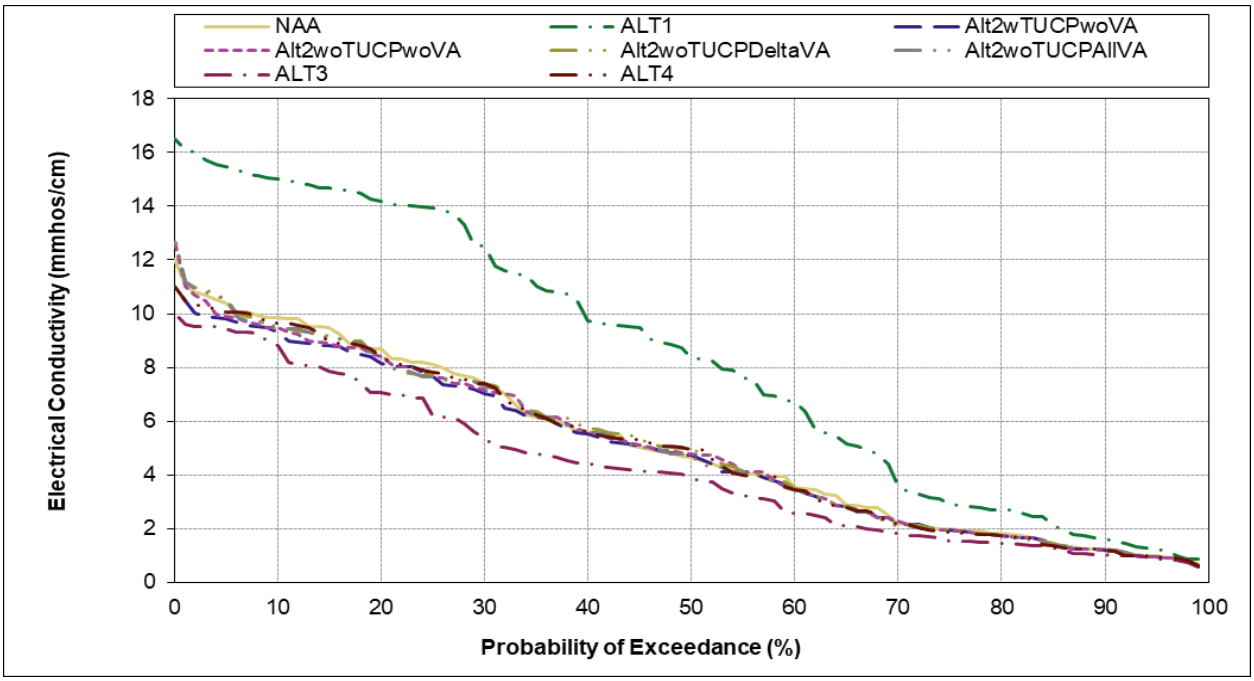

Figure G.1-15-7. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), January

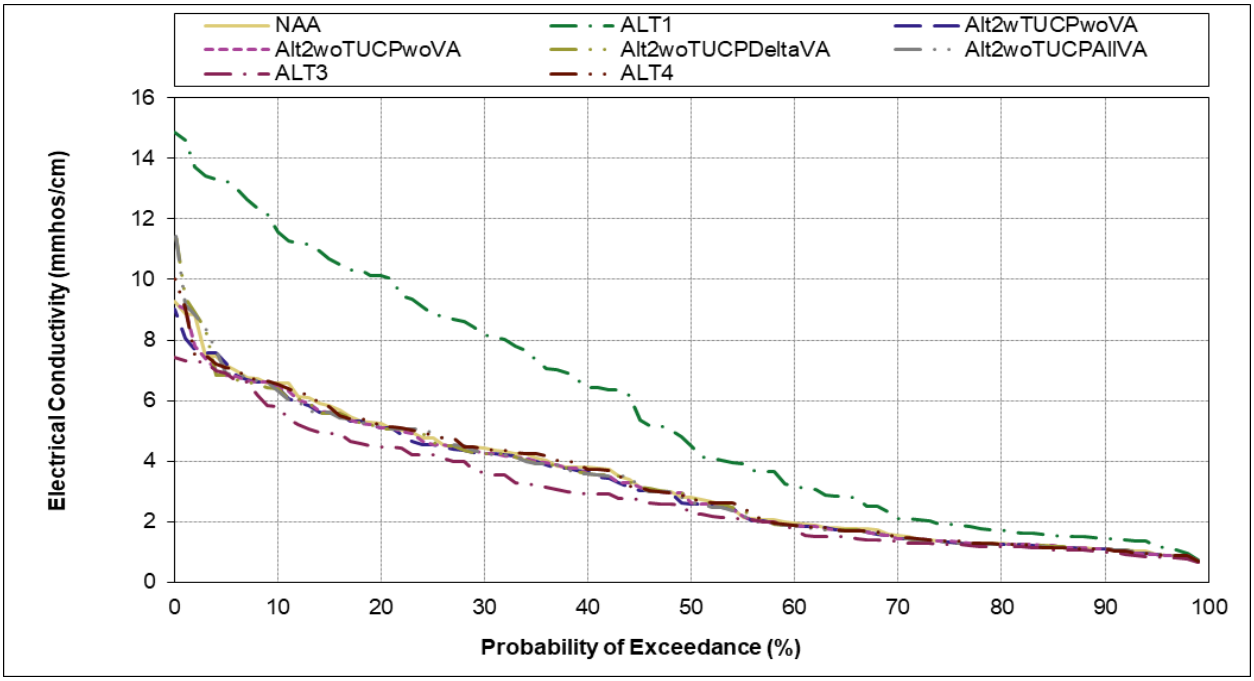

Figure G.1-15-8. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), February

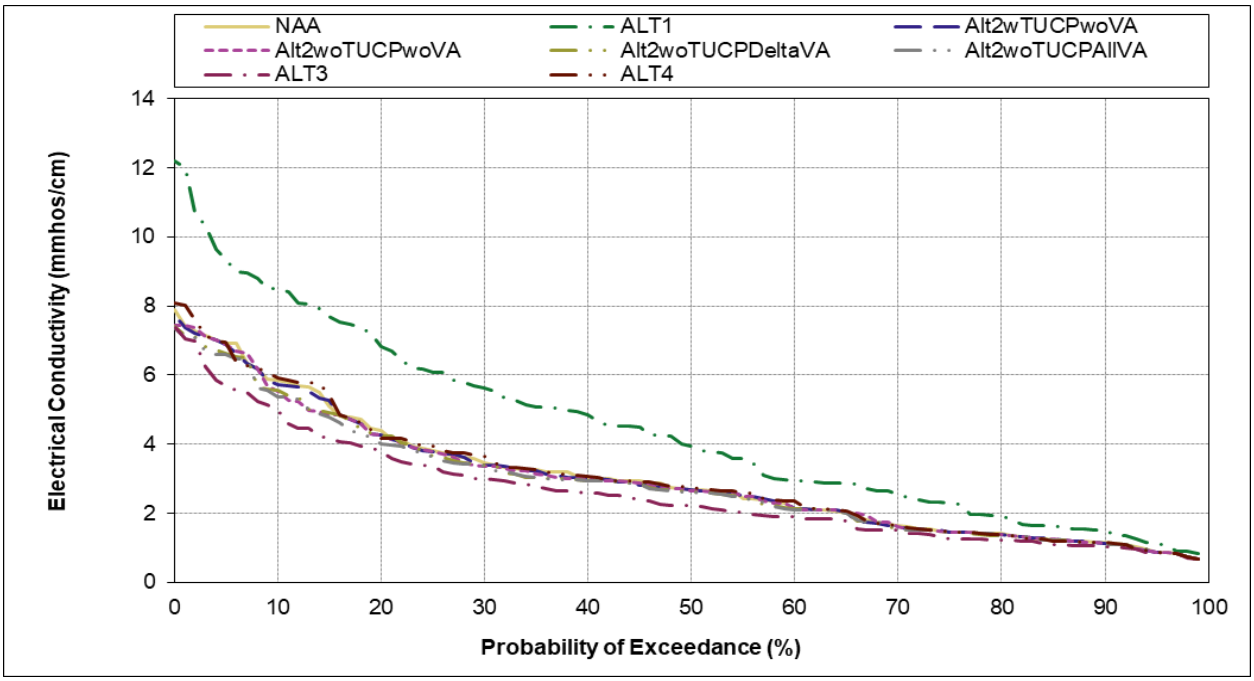

Figure G.1-15-9. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), March

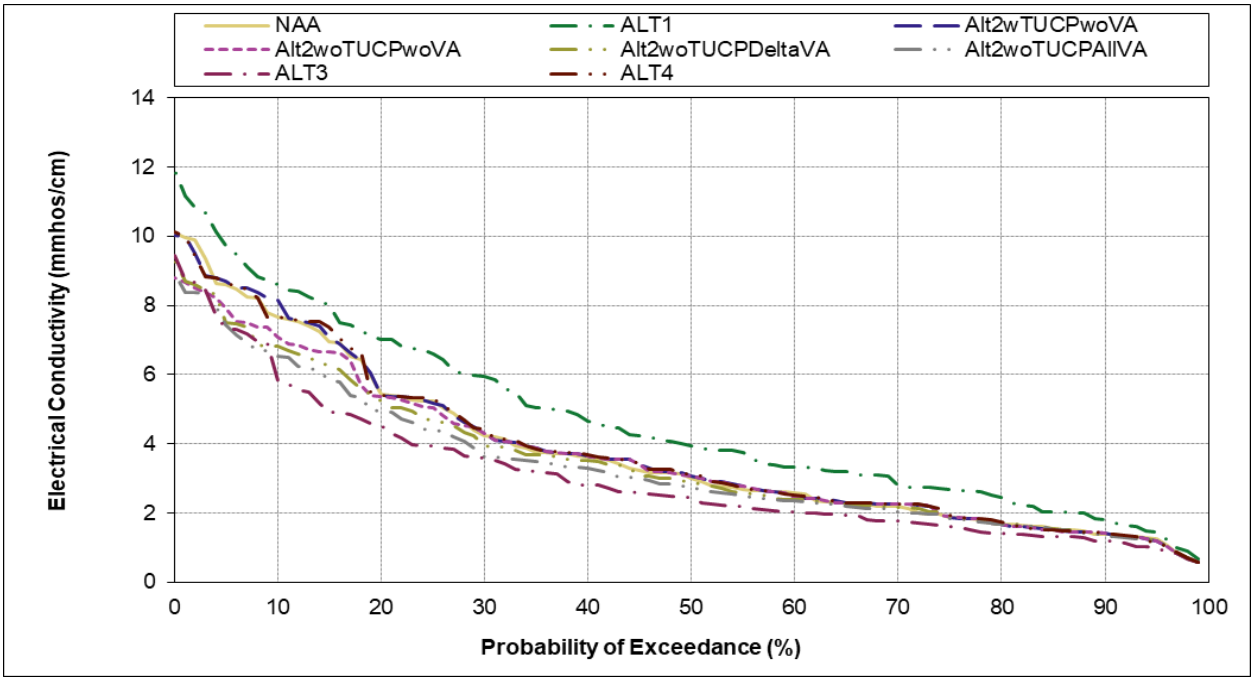

Figure G.1-15-10. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), April

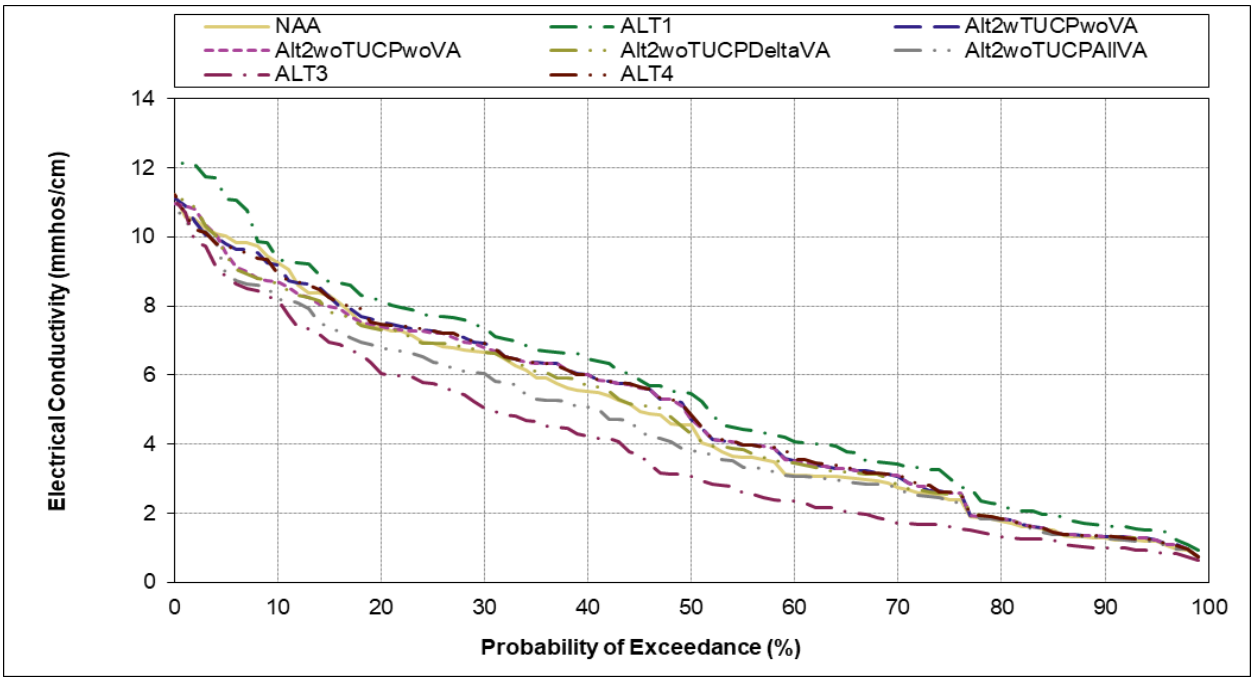

Figure G.1-15-11. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), May

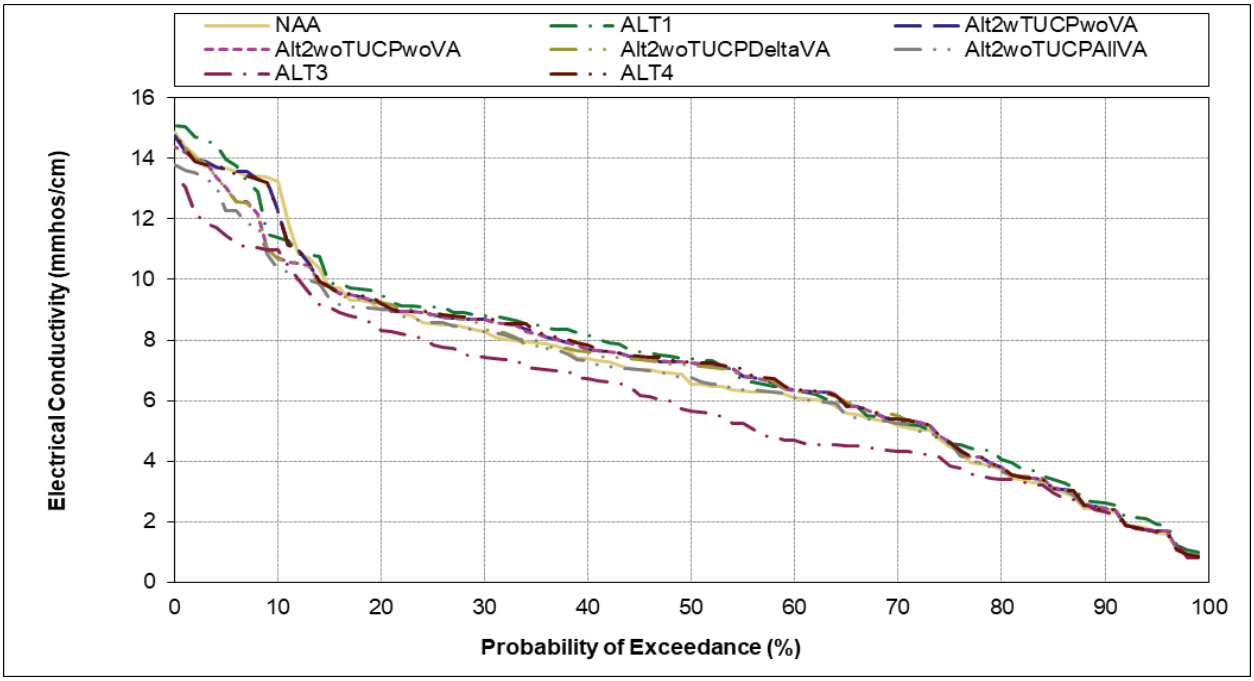

Figure G.1-15-12. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), June

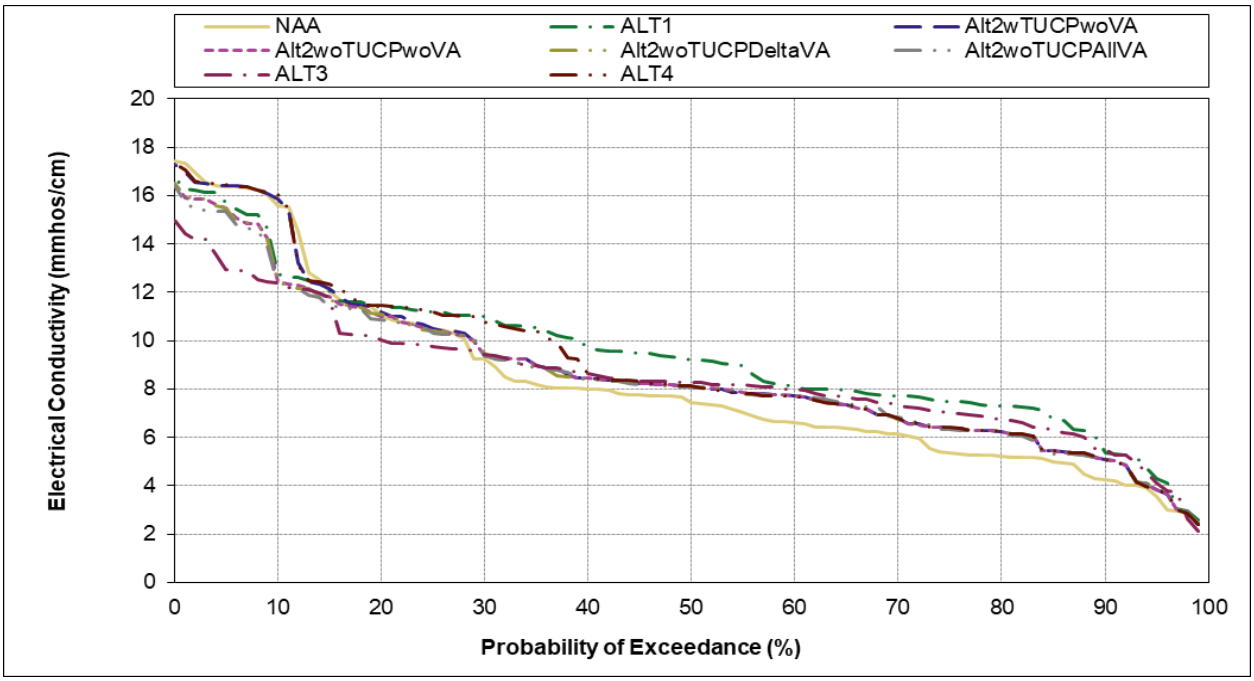

Figure G.1-15-13. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), July

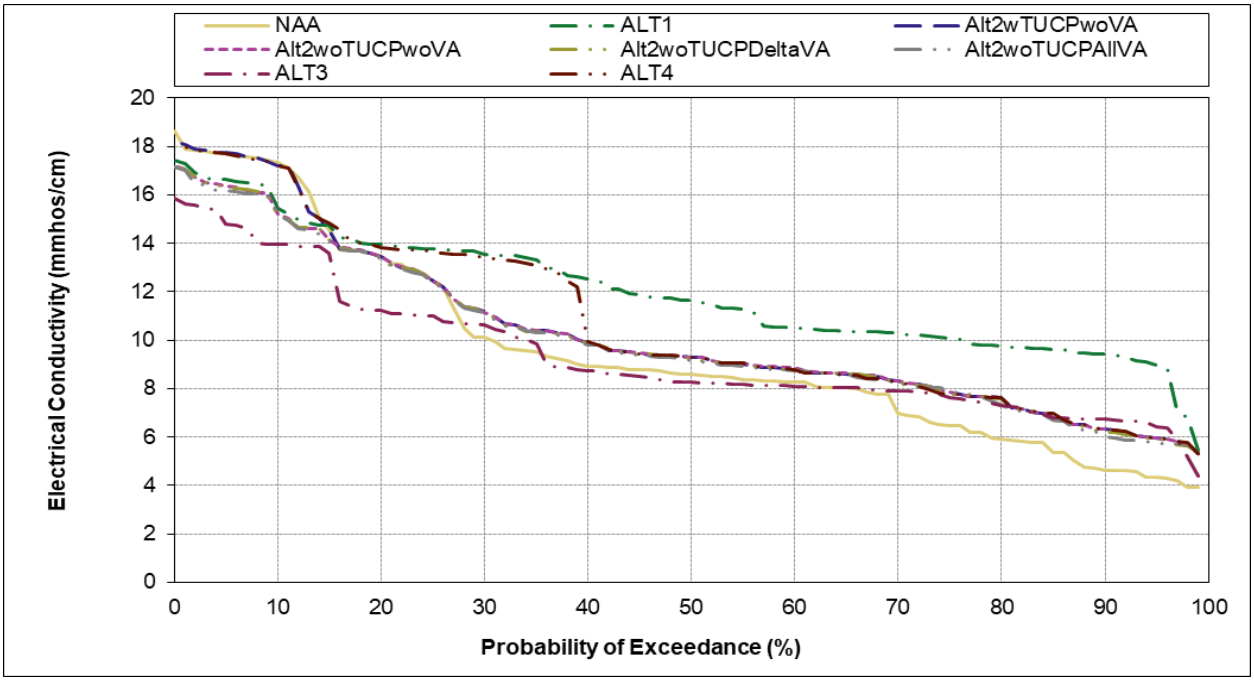

Figure G.1-15-14. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), August

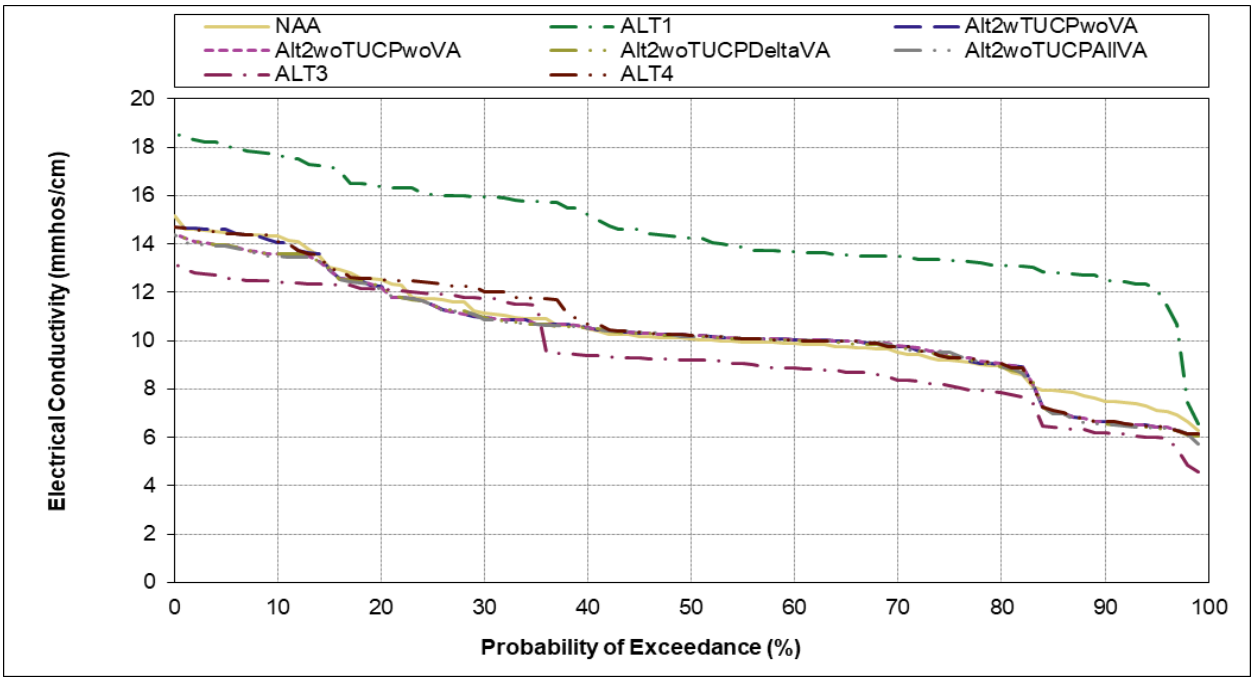

Figure G.1-15-15. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), September

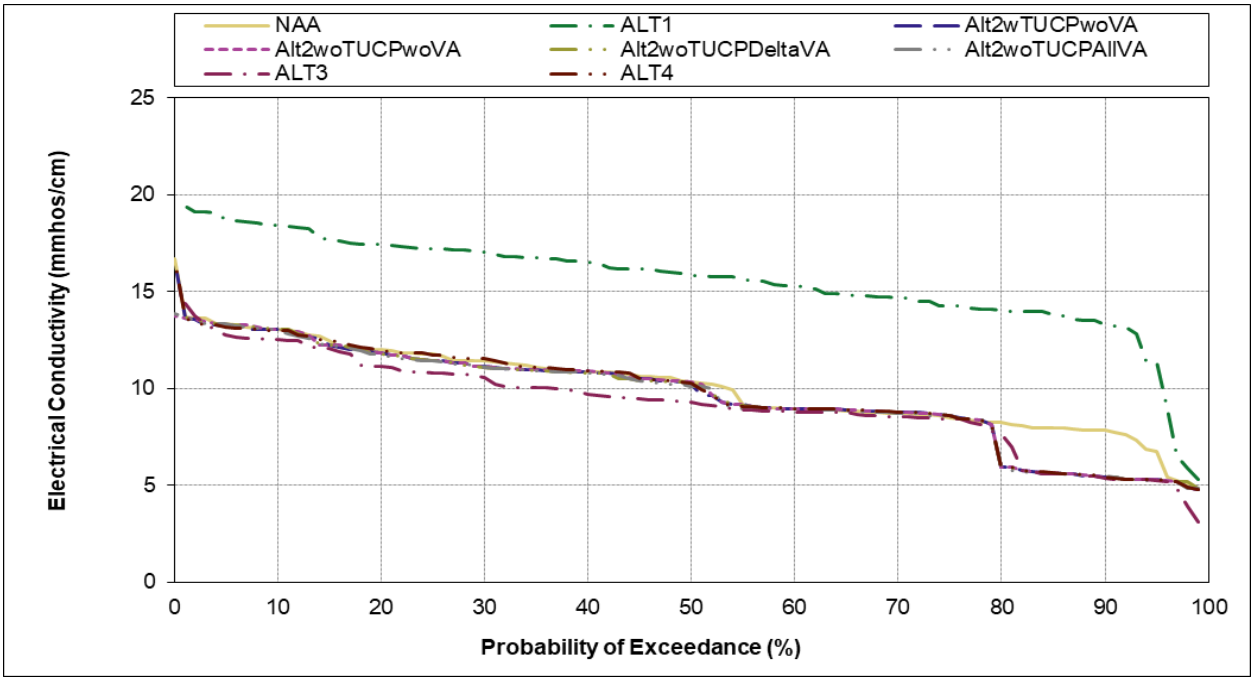

Figure G.1-15-16. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), October

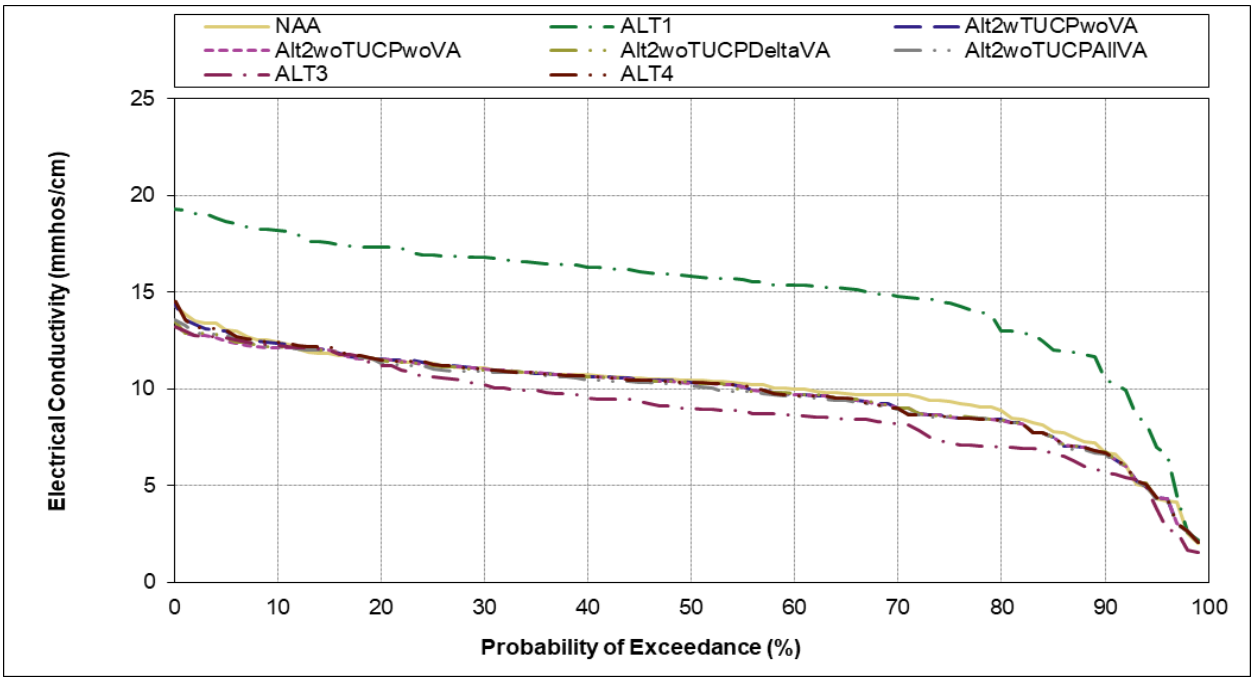

Figure G.1-15-17. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), November

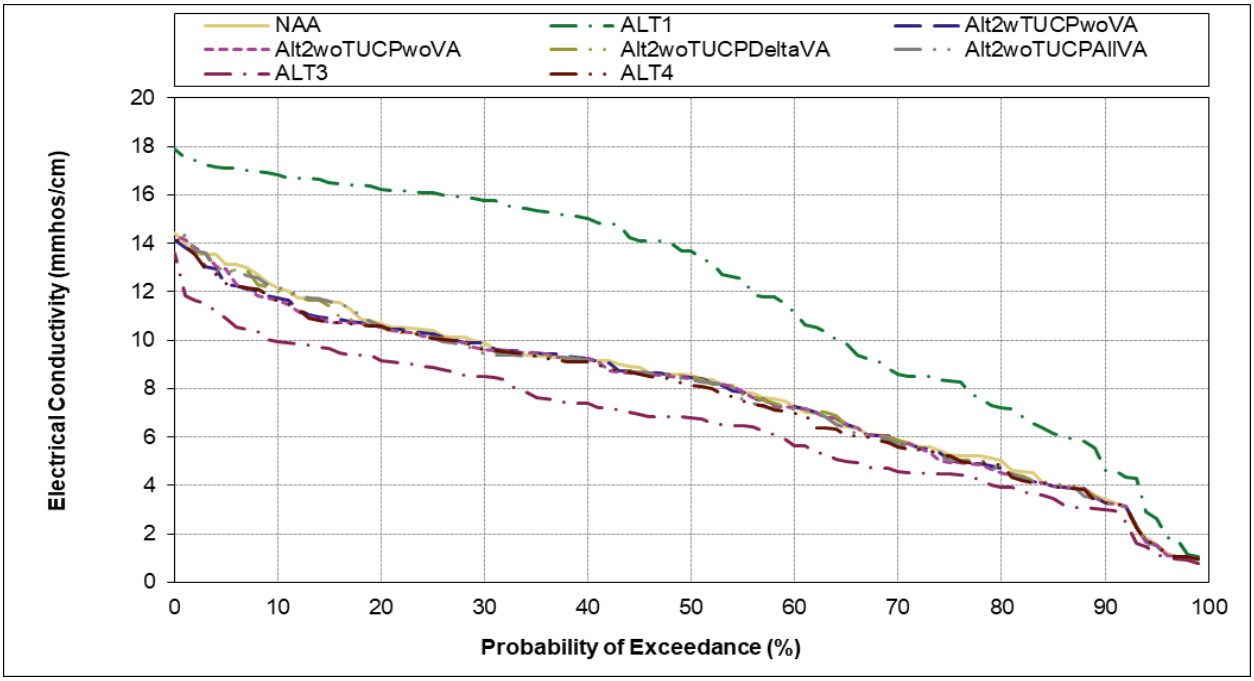

Figure G.1-15-18. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), December

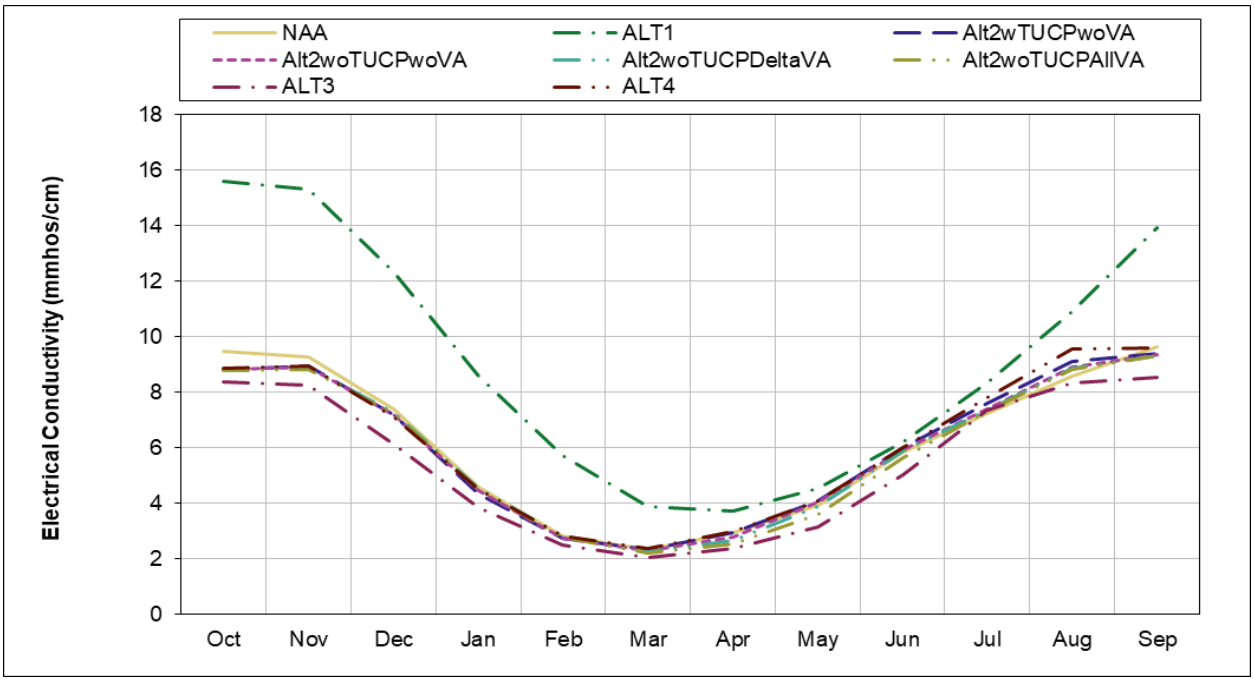

Figure G.1-16-1. Suisun Slough 300 ft south of Volanti Slough, Long term Monthly Average Electrical Conductivity (in millimhos per centimeter)

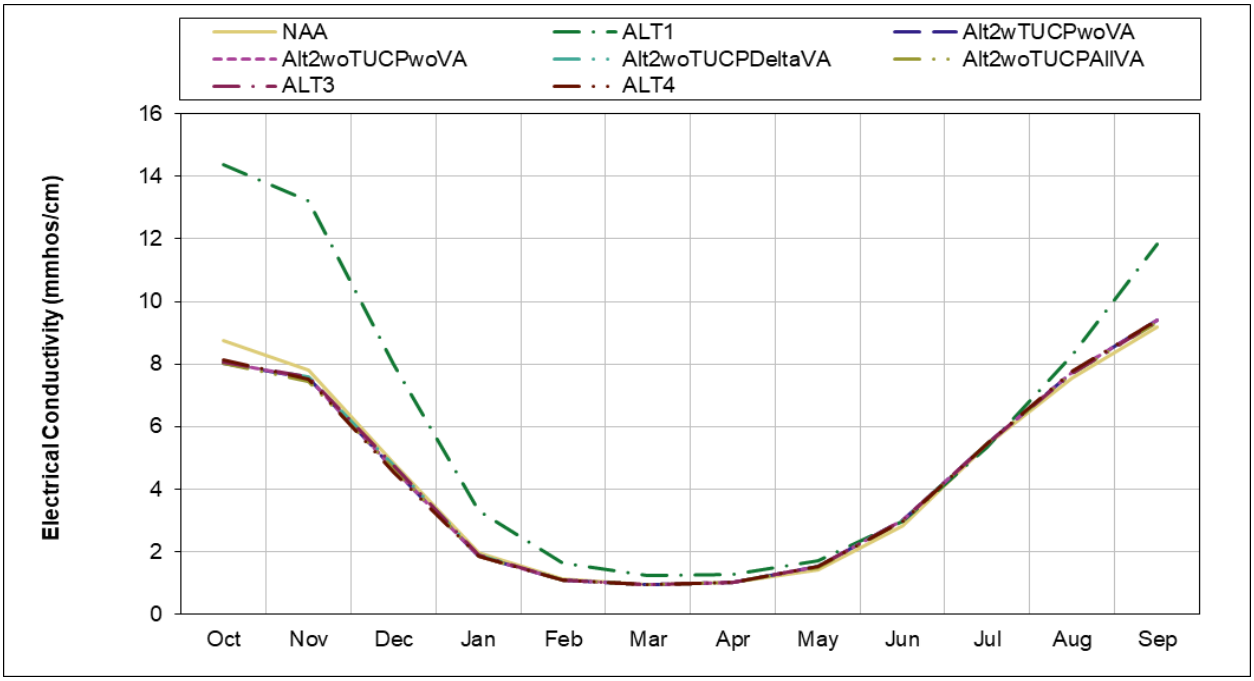

Figure G.1-16-2. Suisun Slough 300 ft south of Volanti Slough, Wet Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

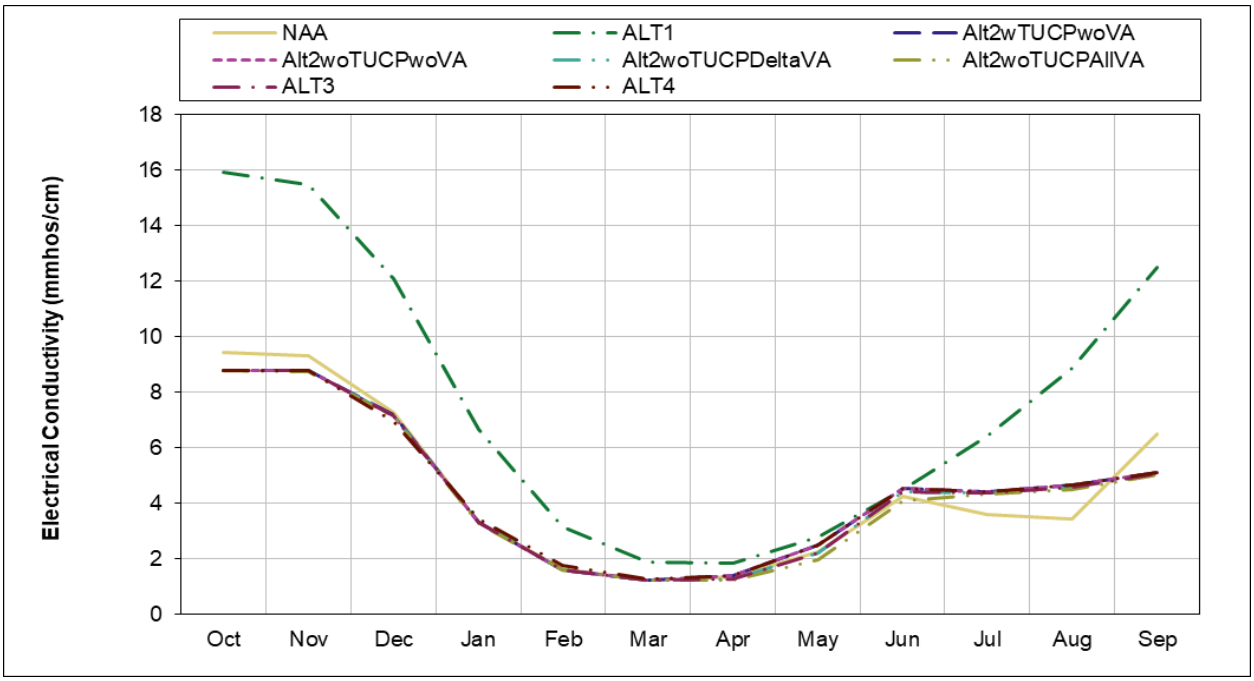

Figure G.1-16-3. Suisun Slough 300 ft south of Volanti Slough, Above Normal Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

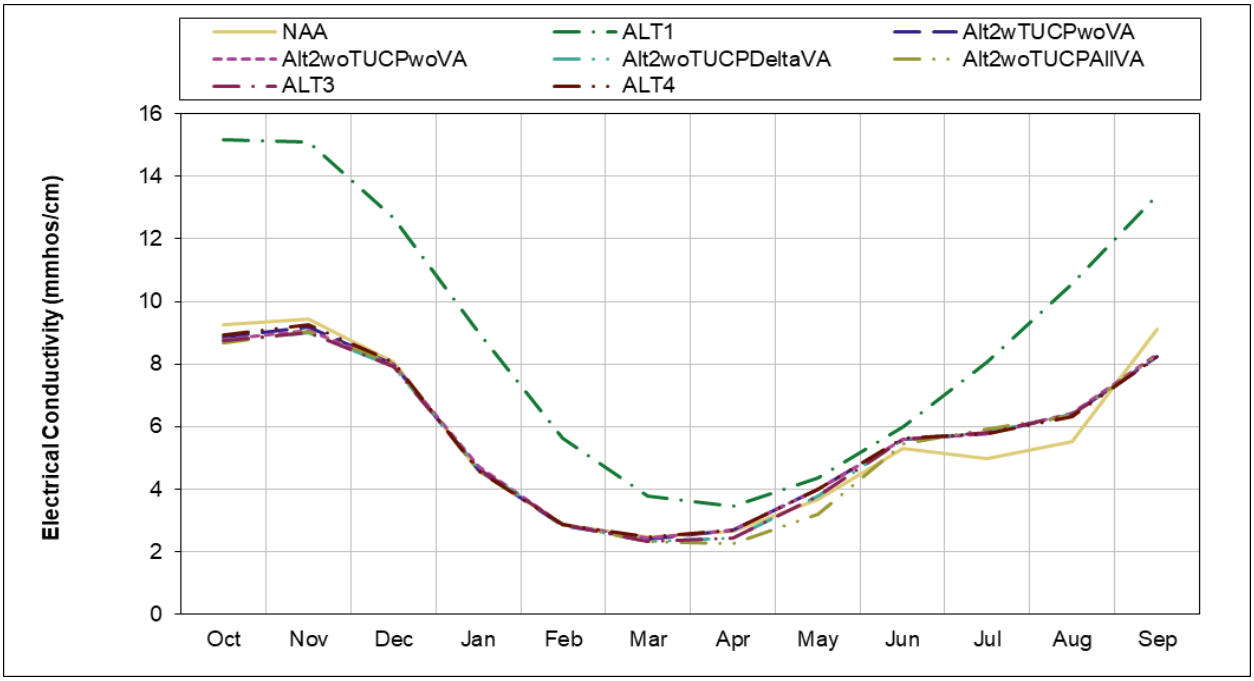

Figure G.1-16-4. Suisun Slough 300 ft south of Volanti Slough, Below Normal Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

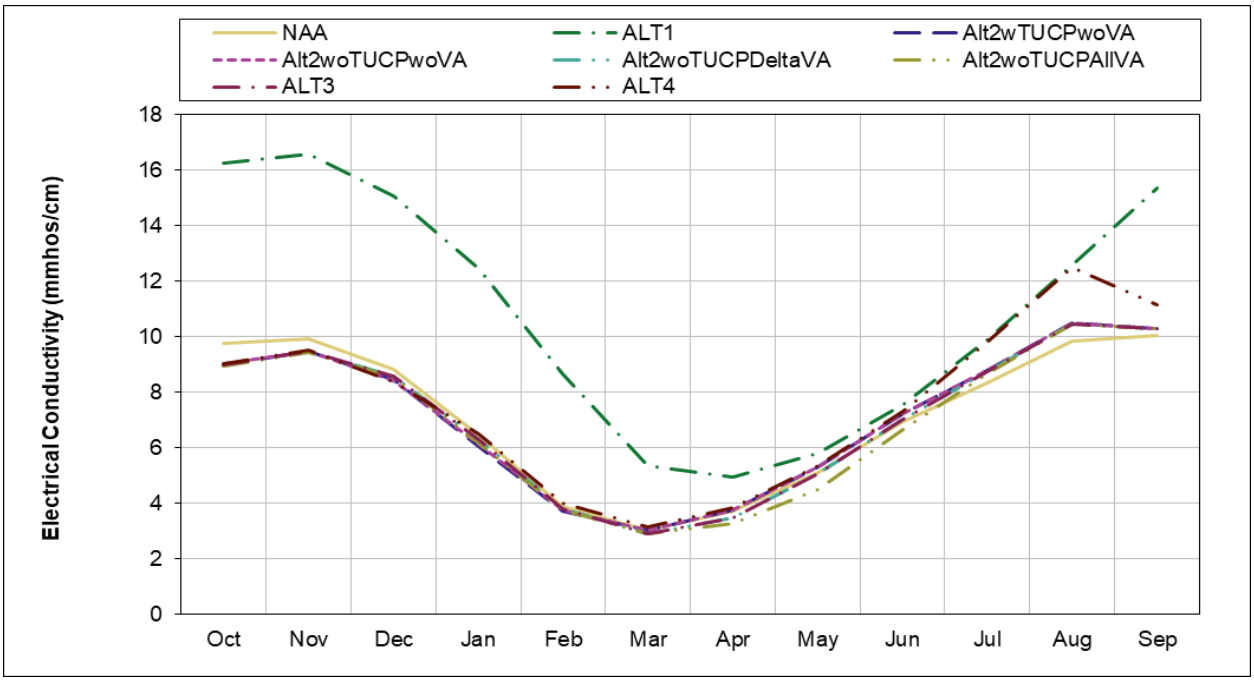

Figure G.1-16-5. Suisun Slough 300 ft south of Volanti Slough, Dry Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

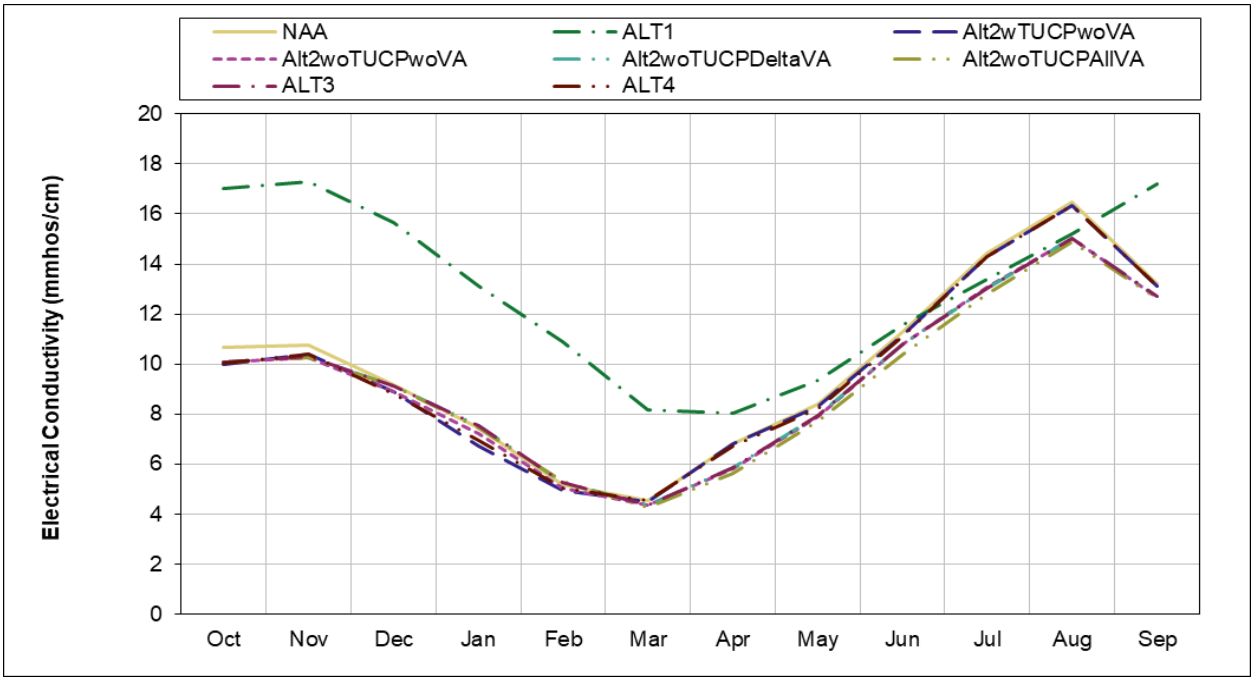

Figure G.1-16-6. Suisun Slough 300 ft south of Volanti Slough, Critical Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

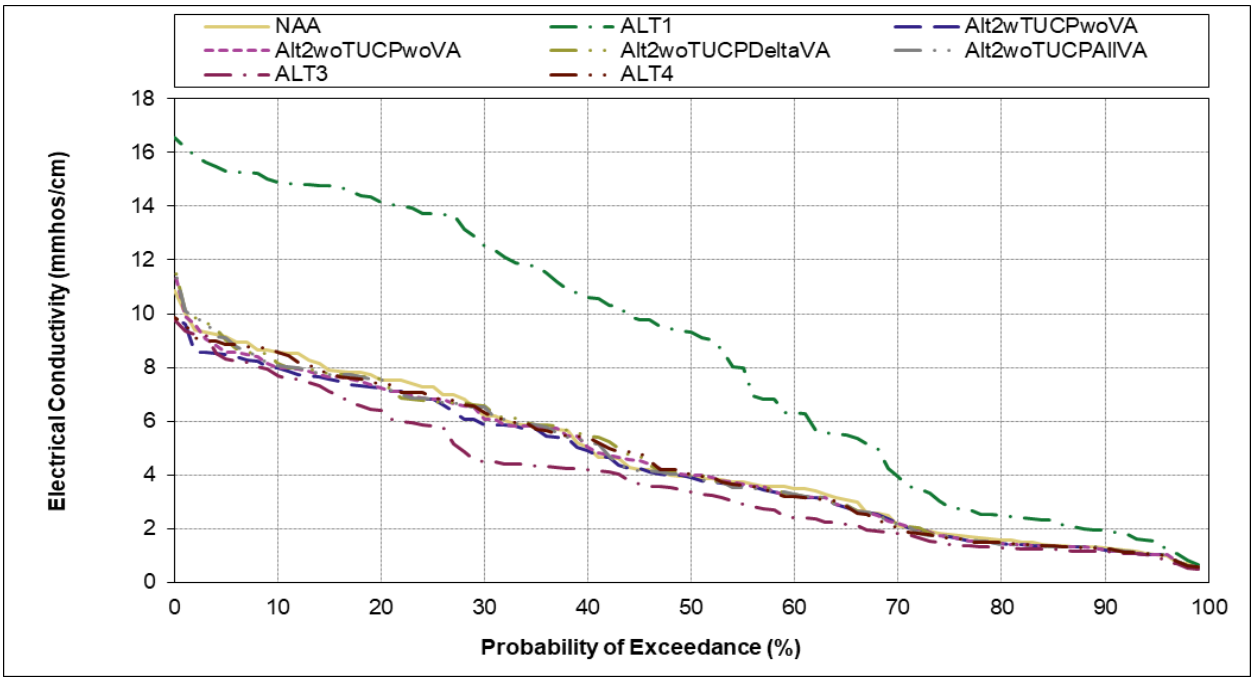

Figure G.1-16-7. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), January

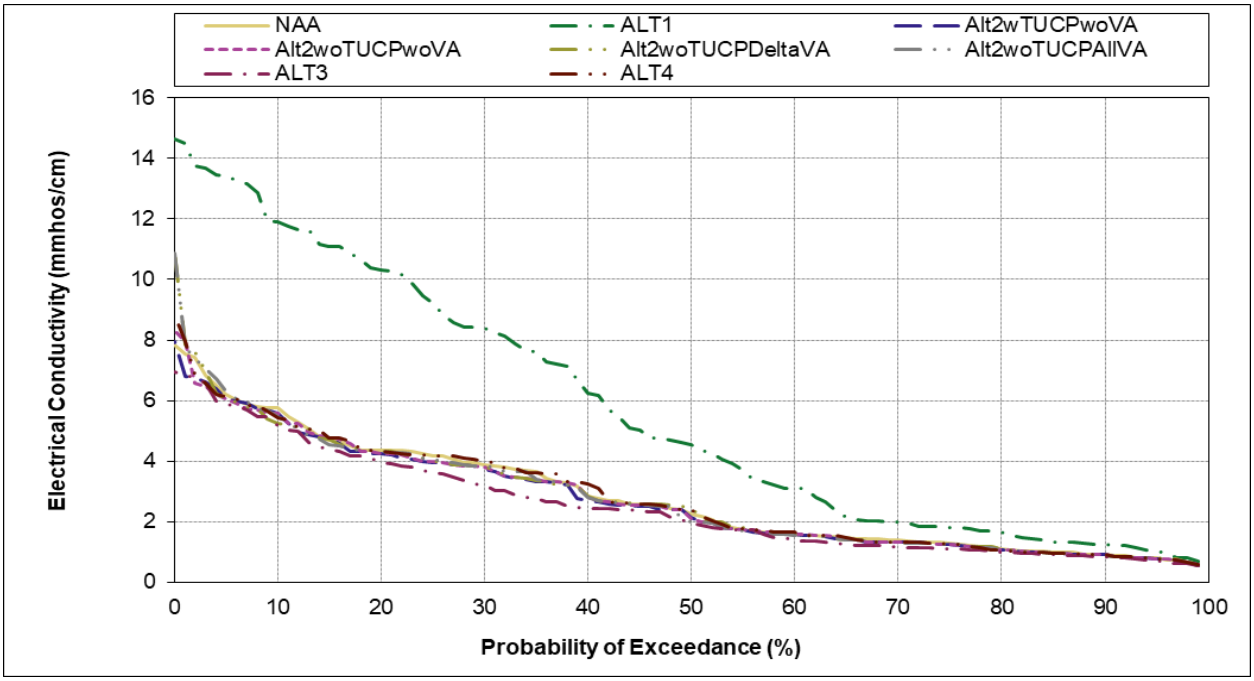

Figure G.1-16-8. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), February

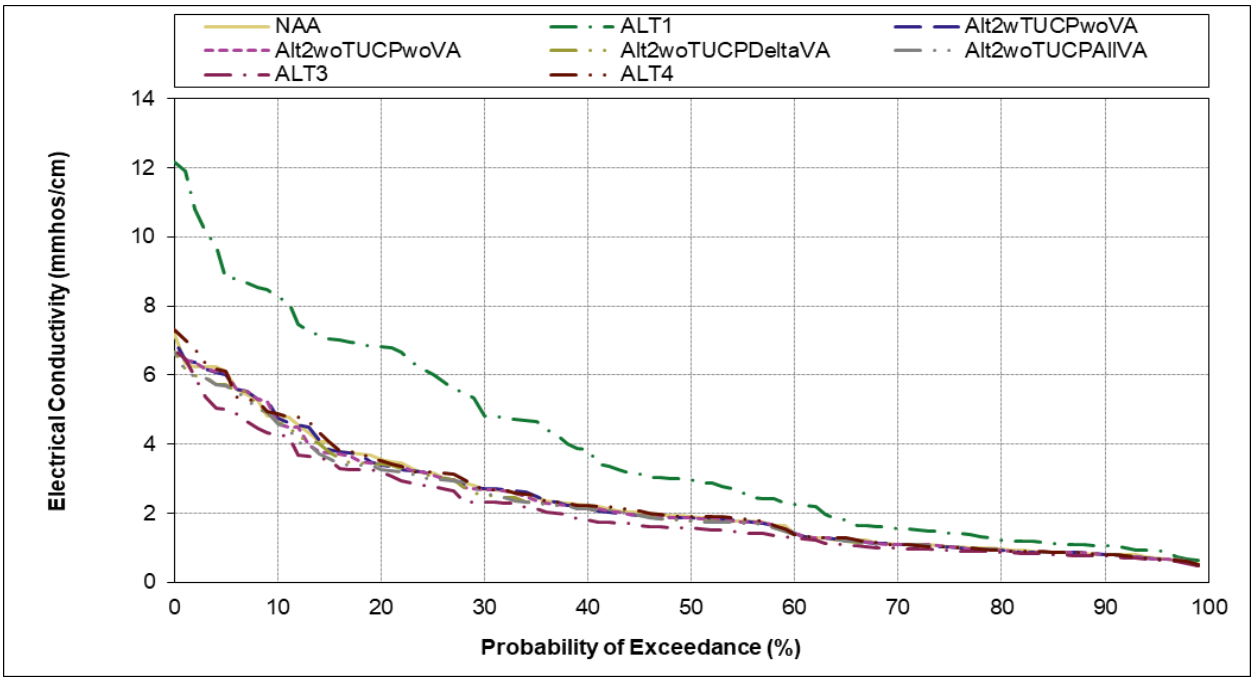

Figure G.1-16-9. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), March

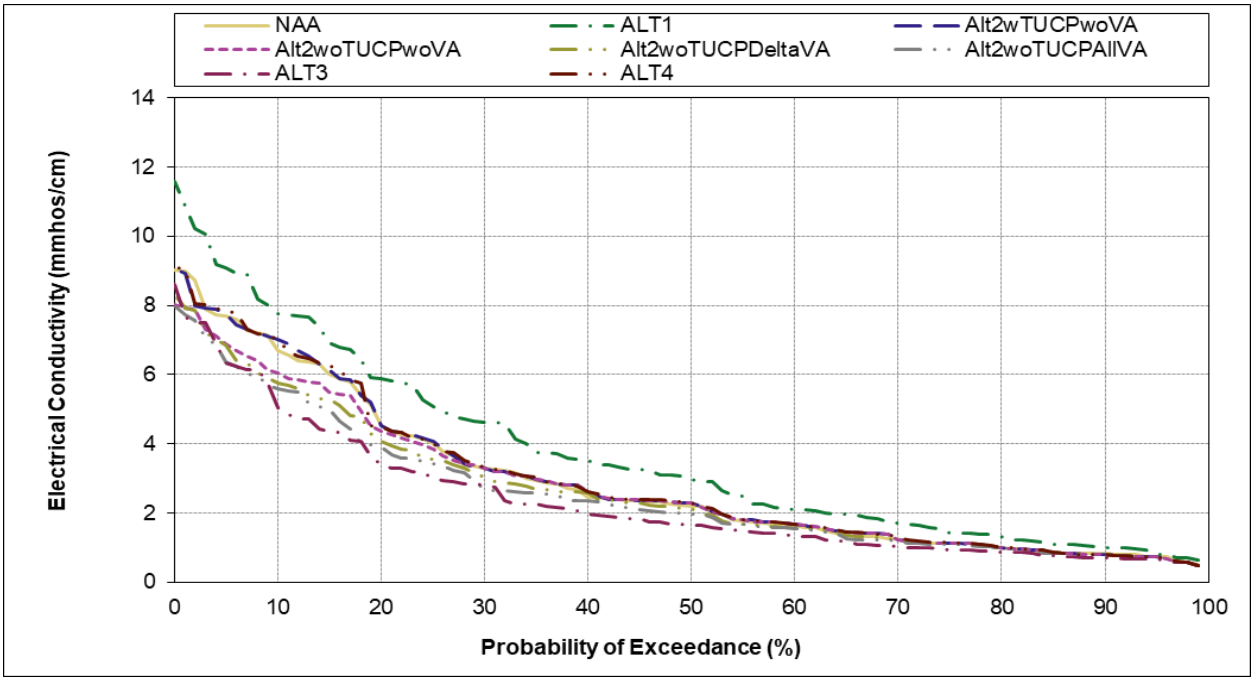

Figure G.1-16-10. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), April

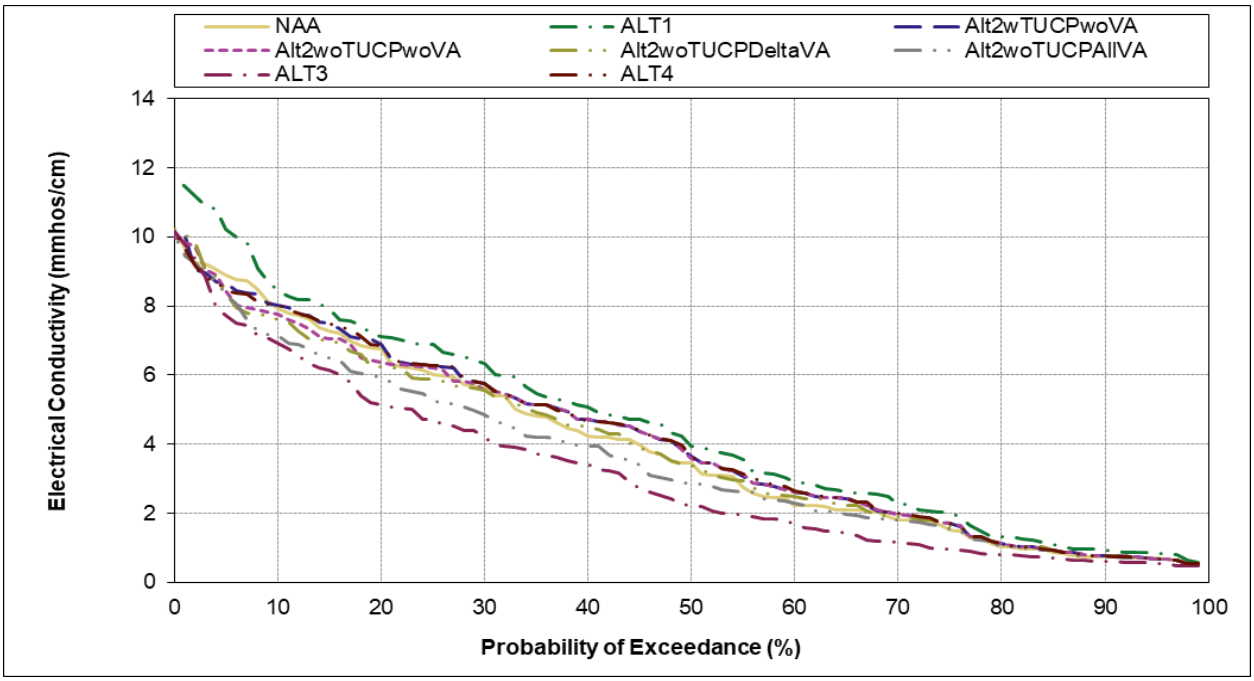

Figure G.1-16-11. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), May

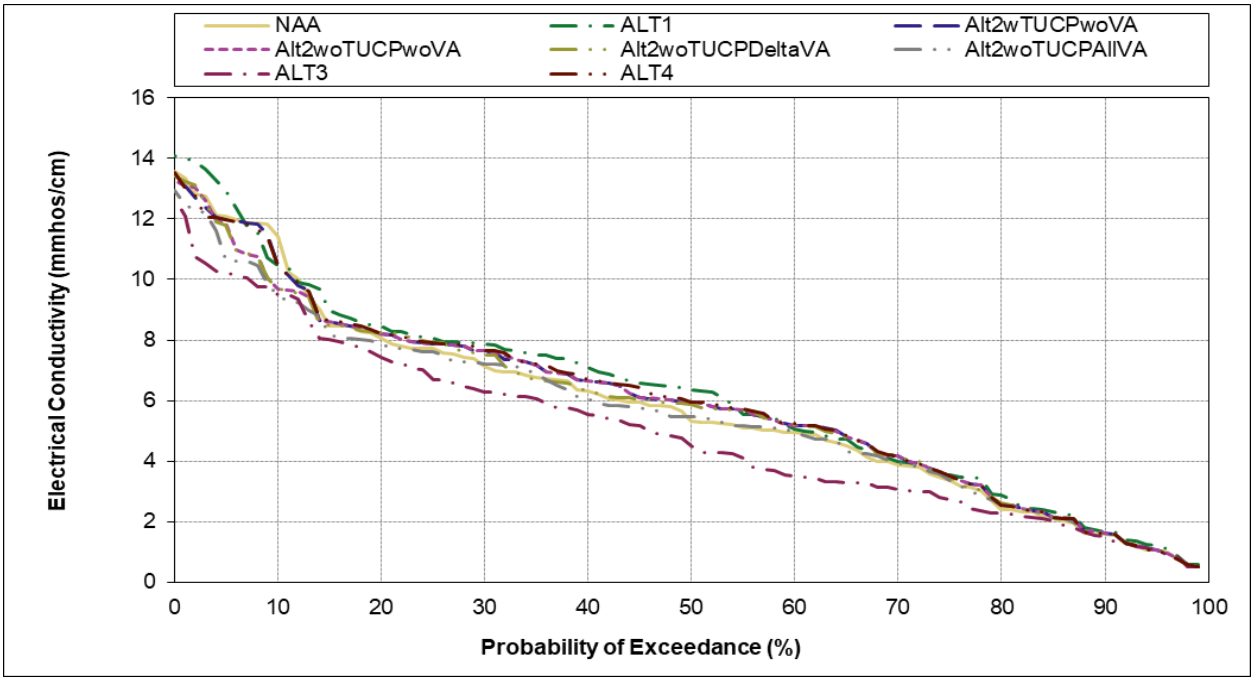

Figure G.1-16-12. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), June

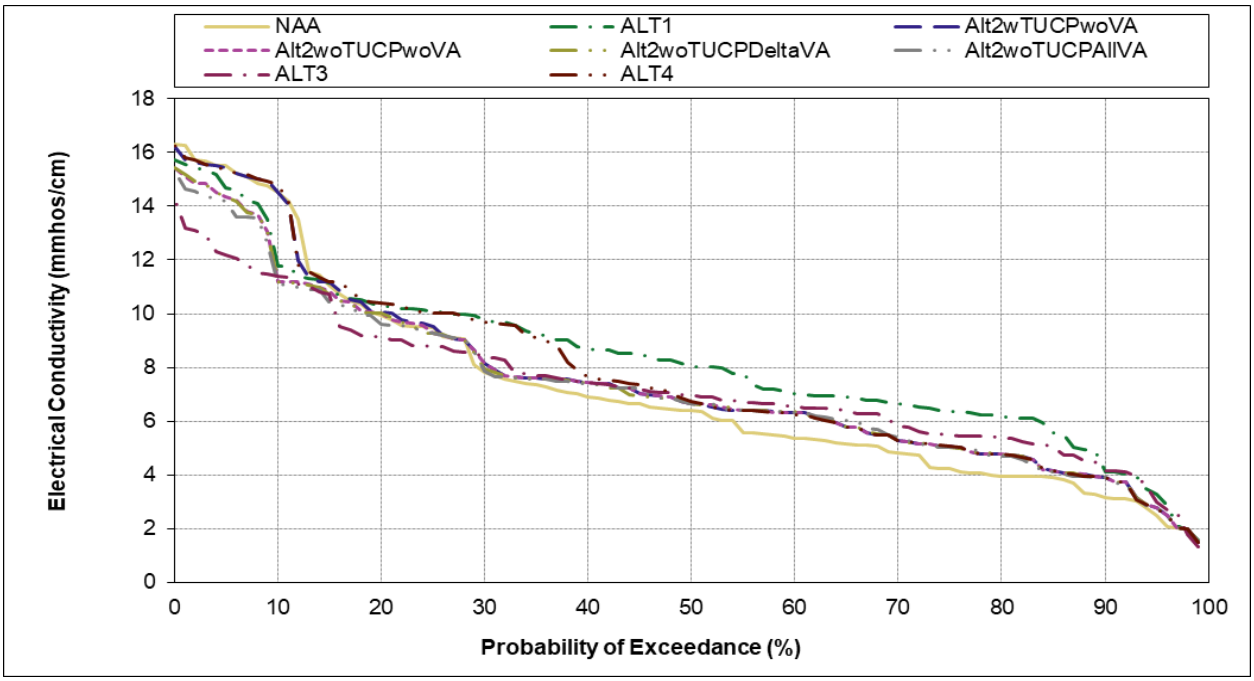

Figure G.1-16-13. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), July

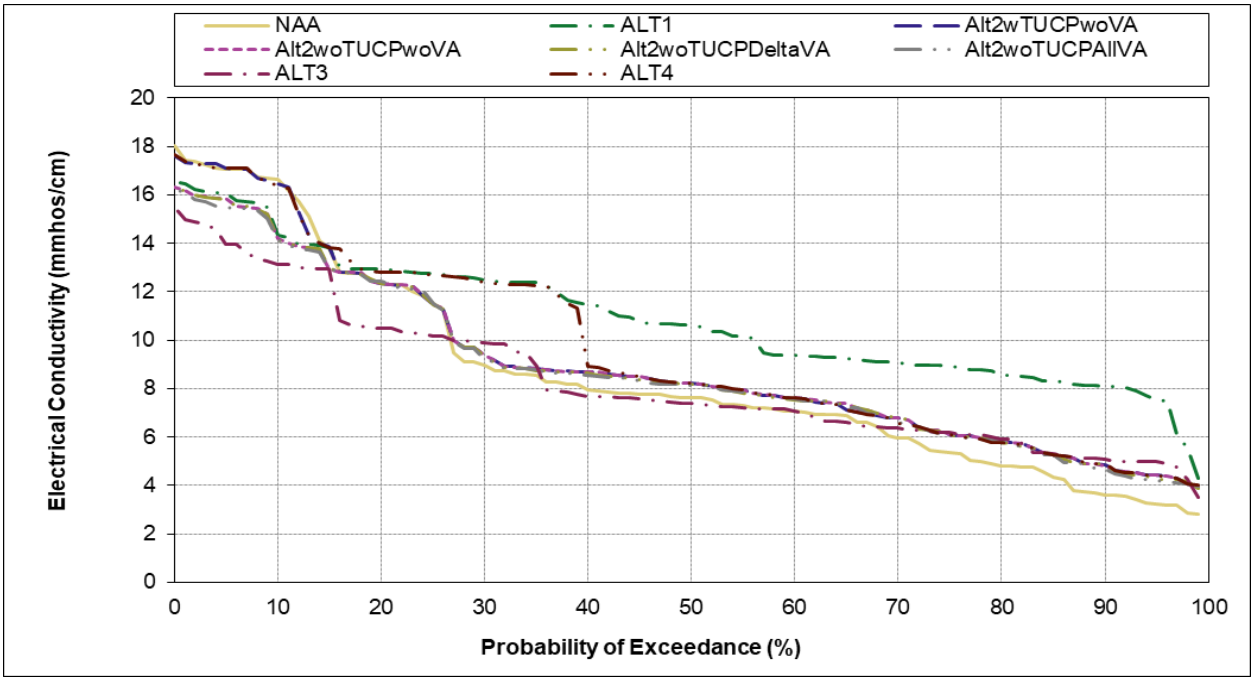

Figure G.1-16-14. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), August

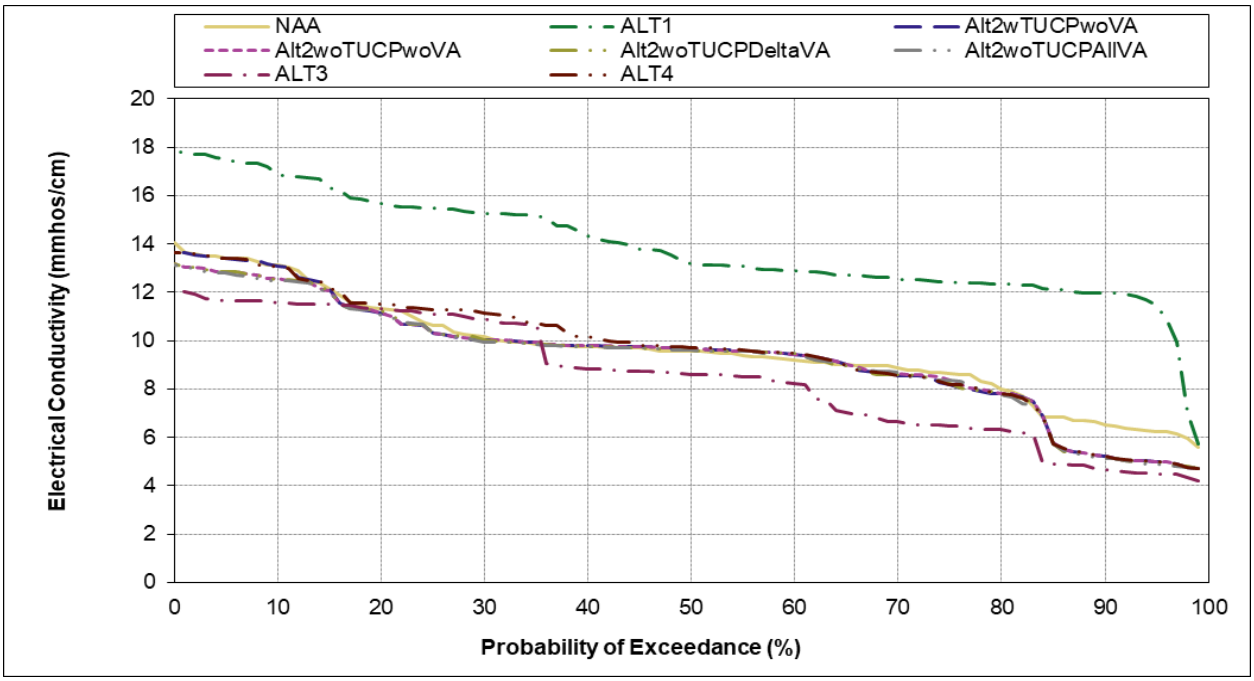

Figure G.1-16-15. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), September

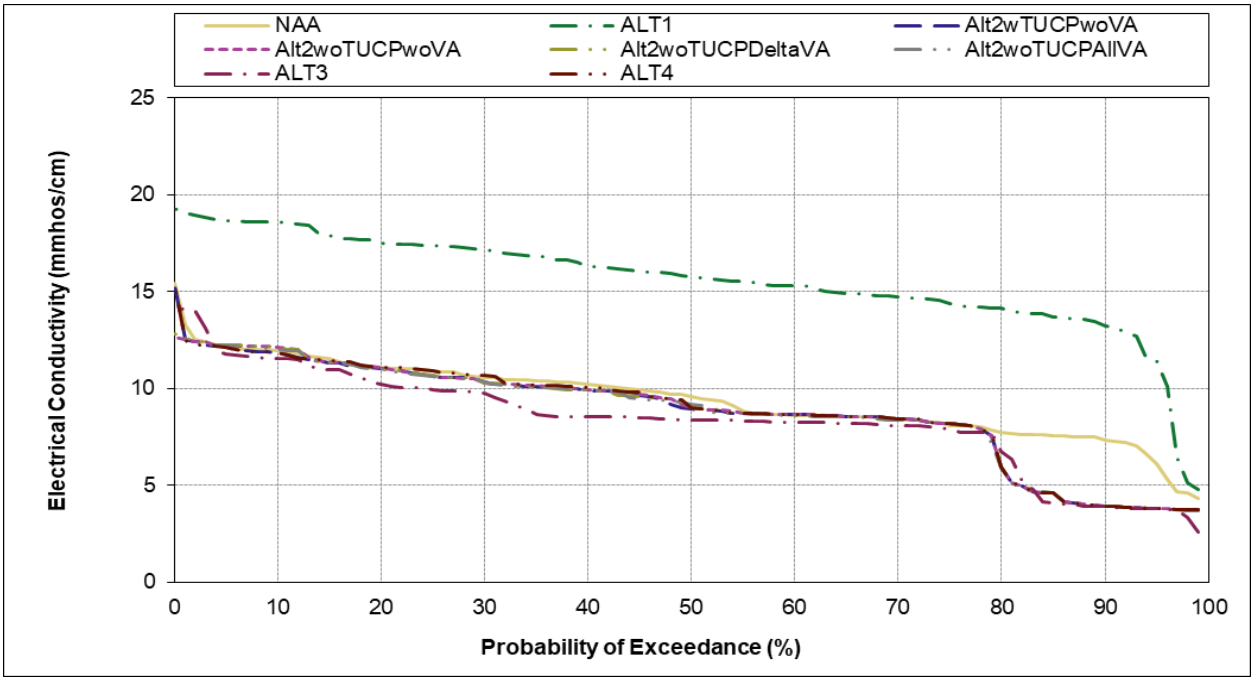

Figure G.1-16-16. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), October

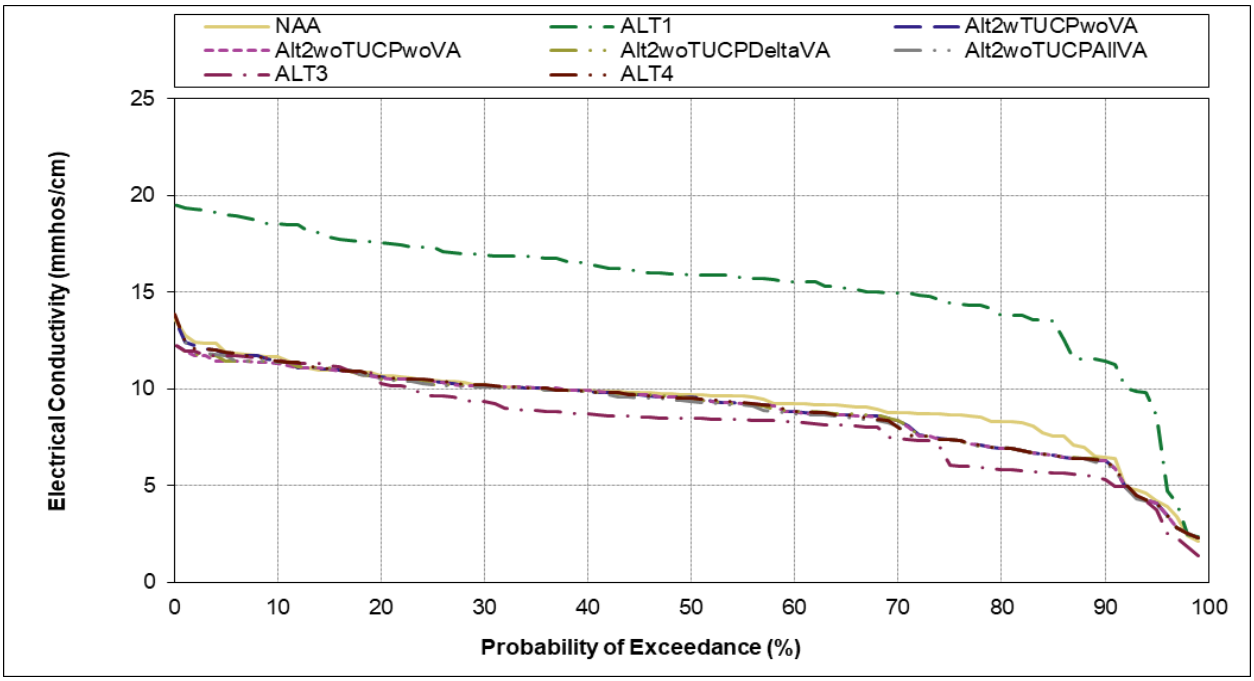

Figure G.1-16-17. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), November

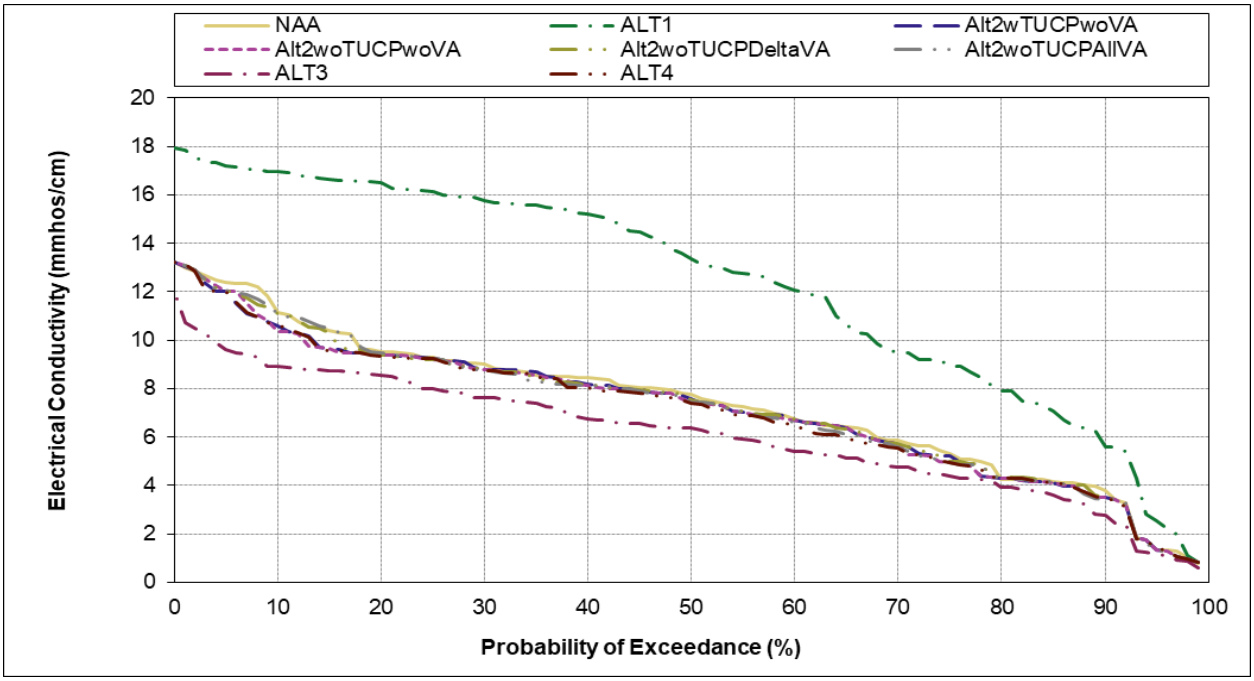

Figure G.1-16-18. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), December

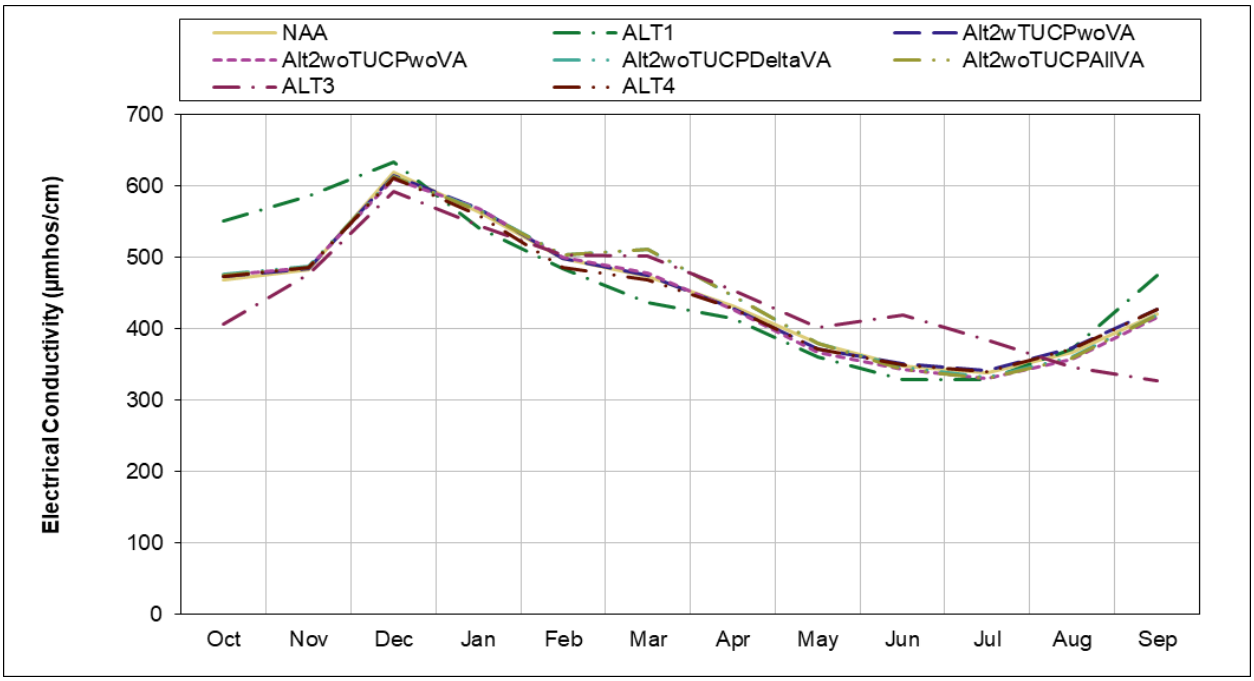

Figure G.1-17-1. Banks Pumping Plant, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)

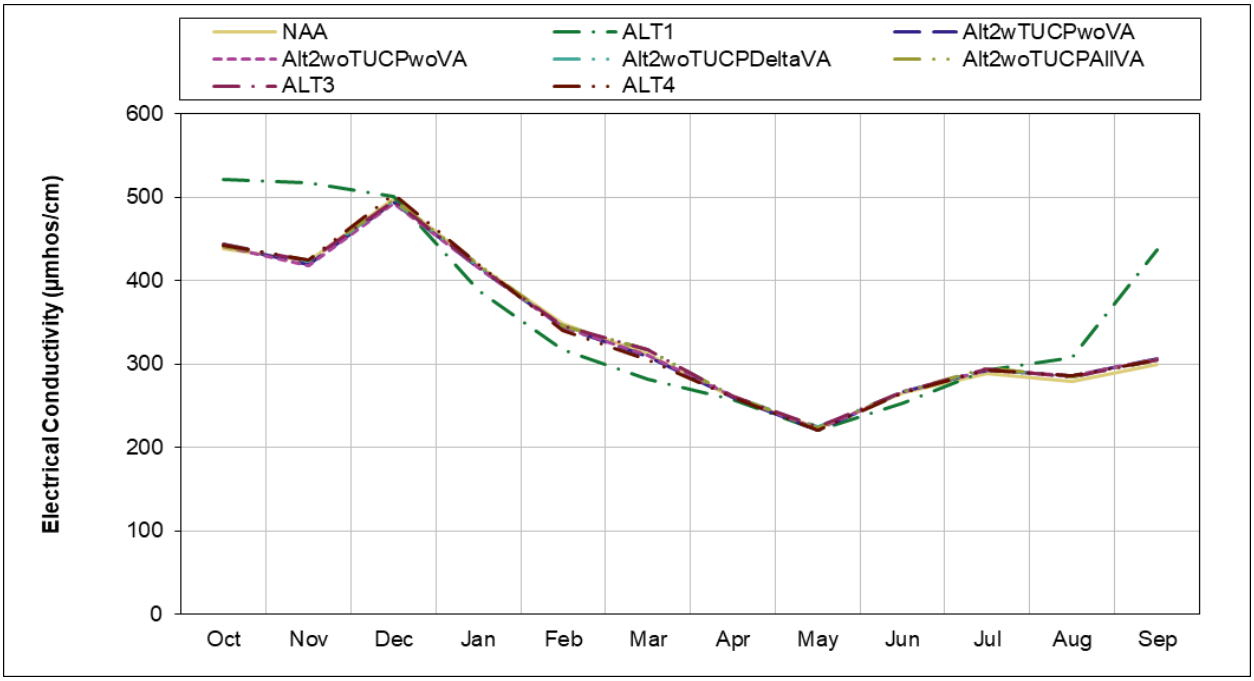

Figure G.1-17-2. Banks Pumping Plant, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

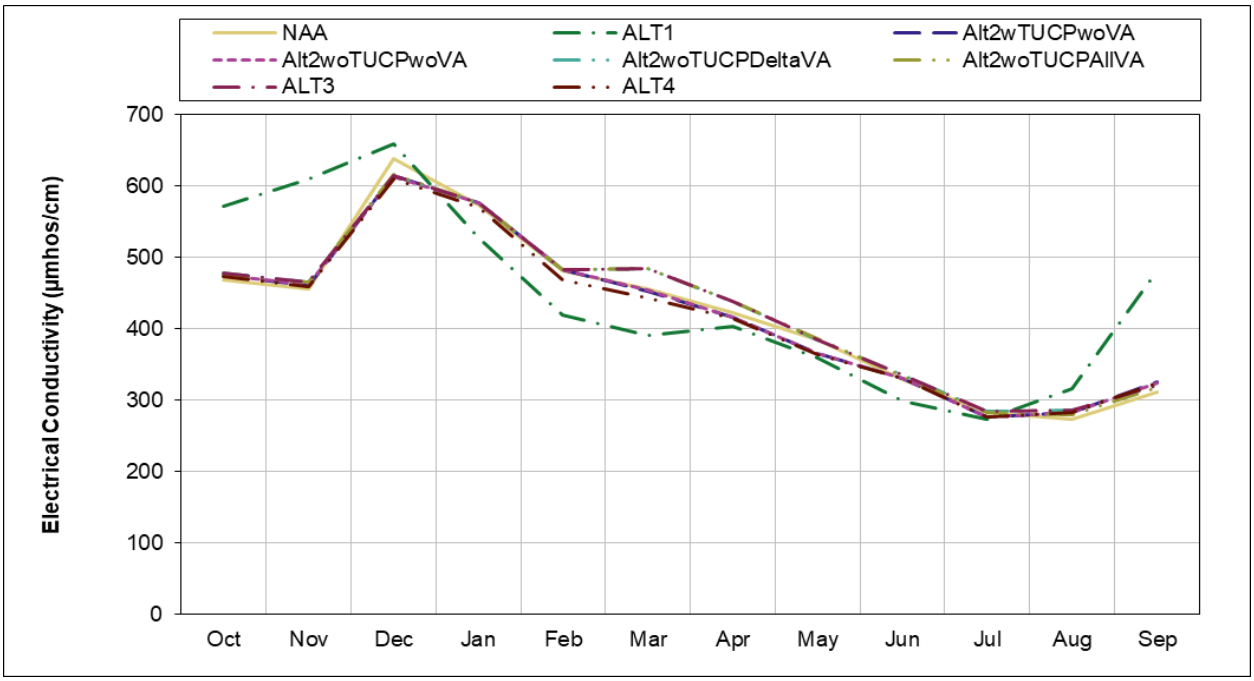

Figure G.1-17-3. Banks Pumping Plant, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

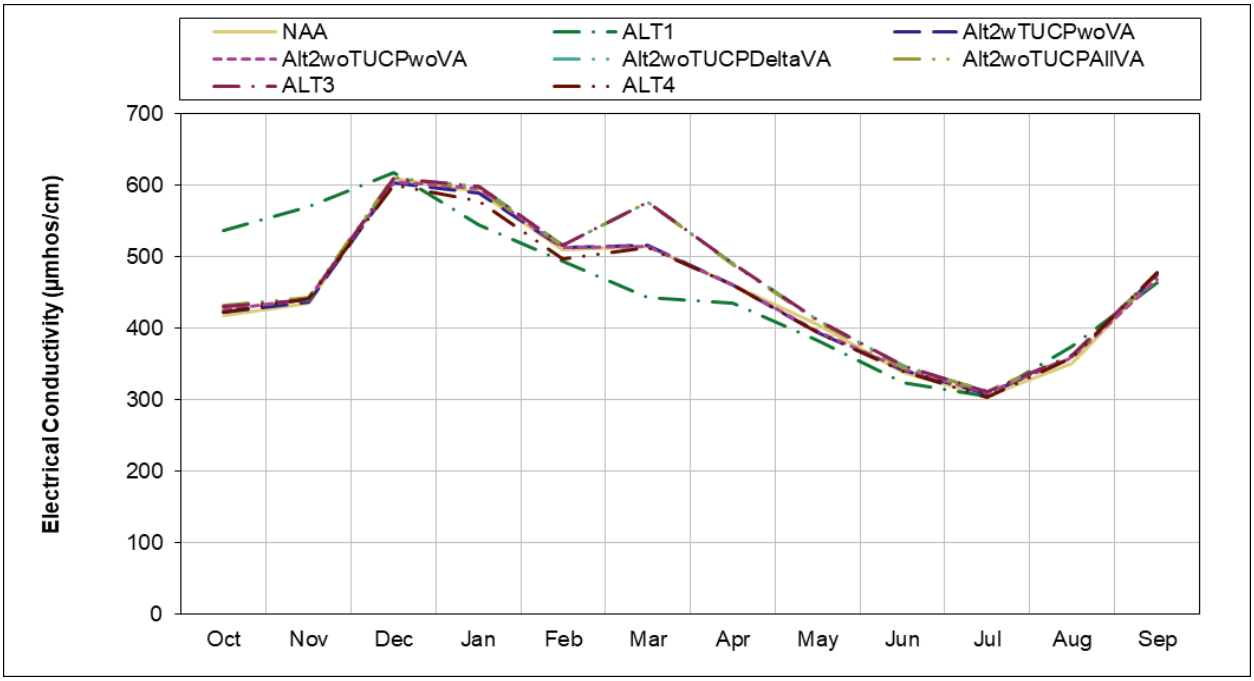

Figure G.1-17-4. Banks Pumping Plant, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

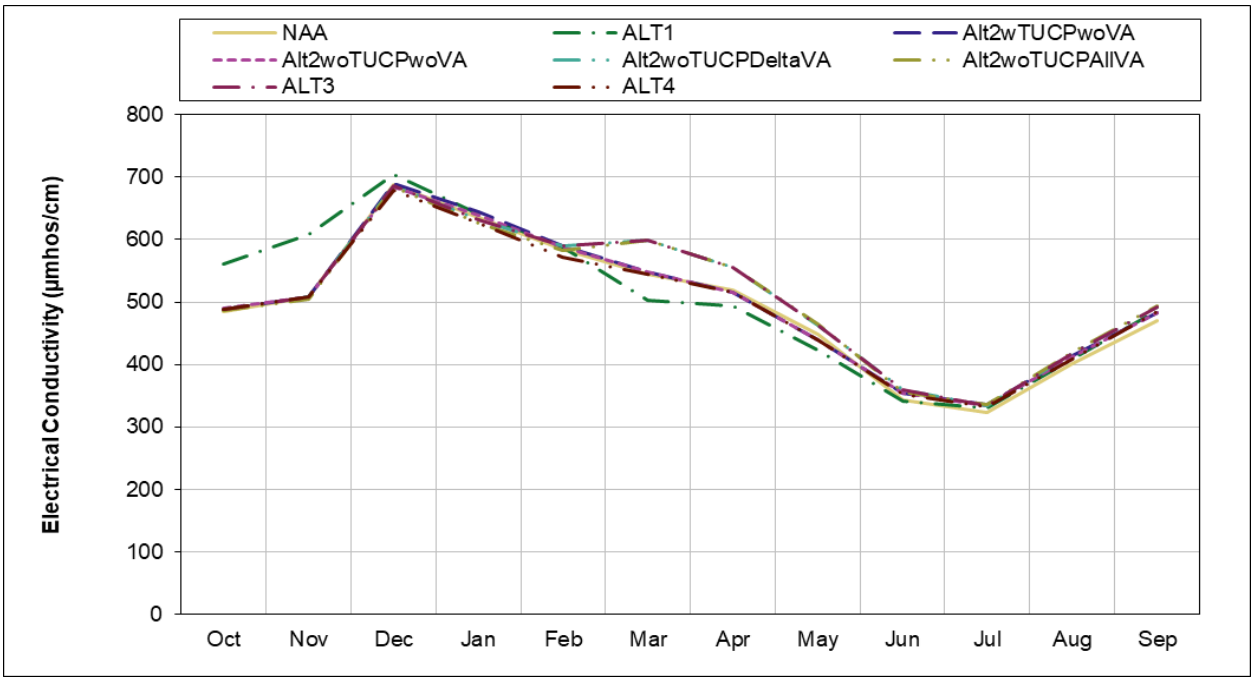

Figure G.1-17-5. Banks Pumping Plant, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

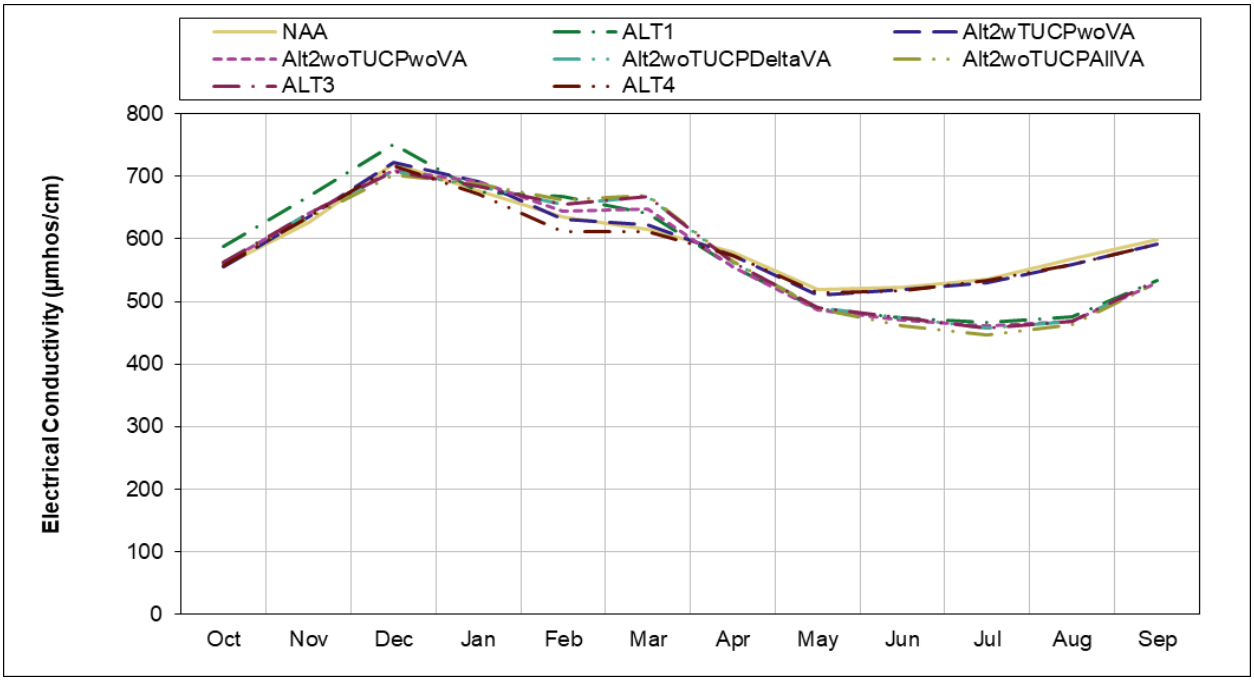

Figure G.1-17-6. Banks Pumping Plant, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

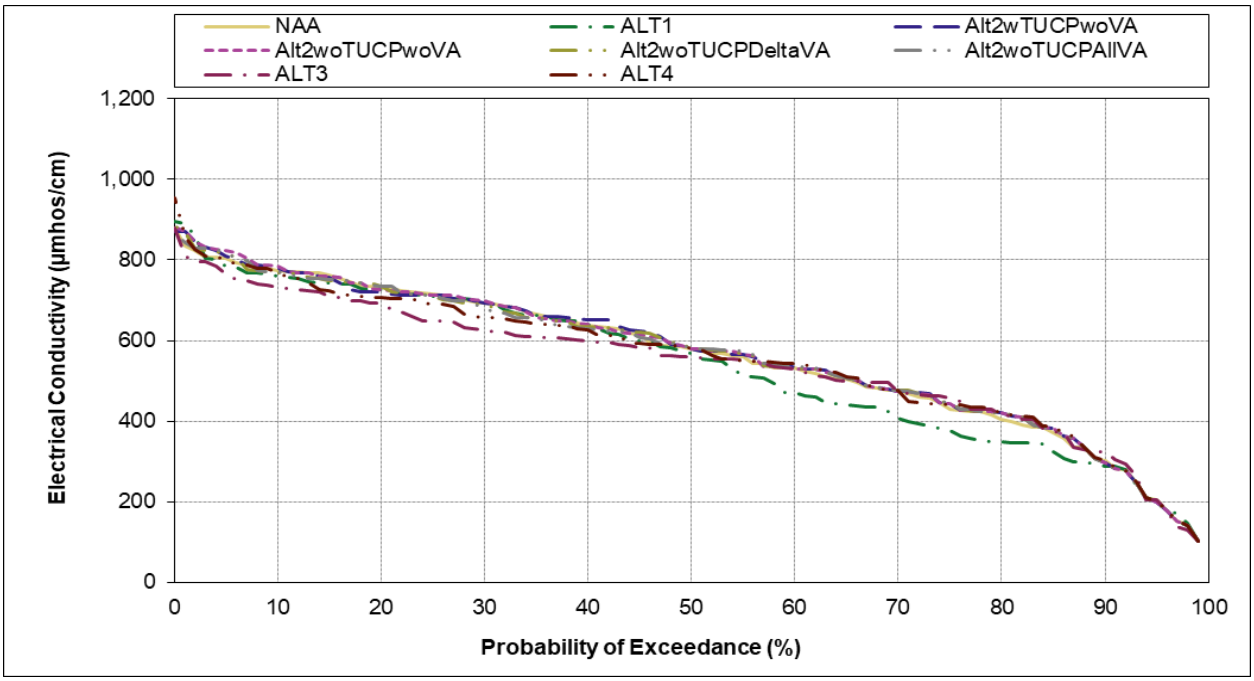

Figure G.1-17-7. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), January

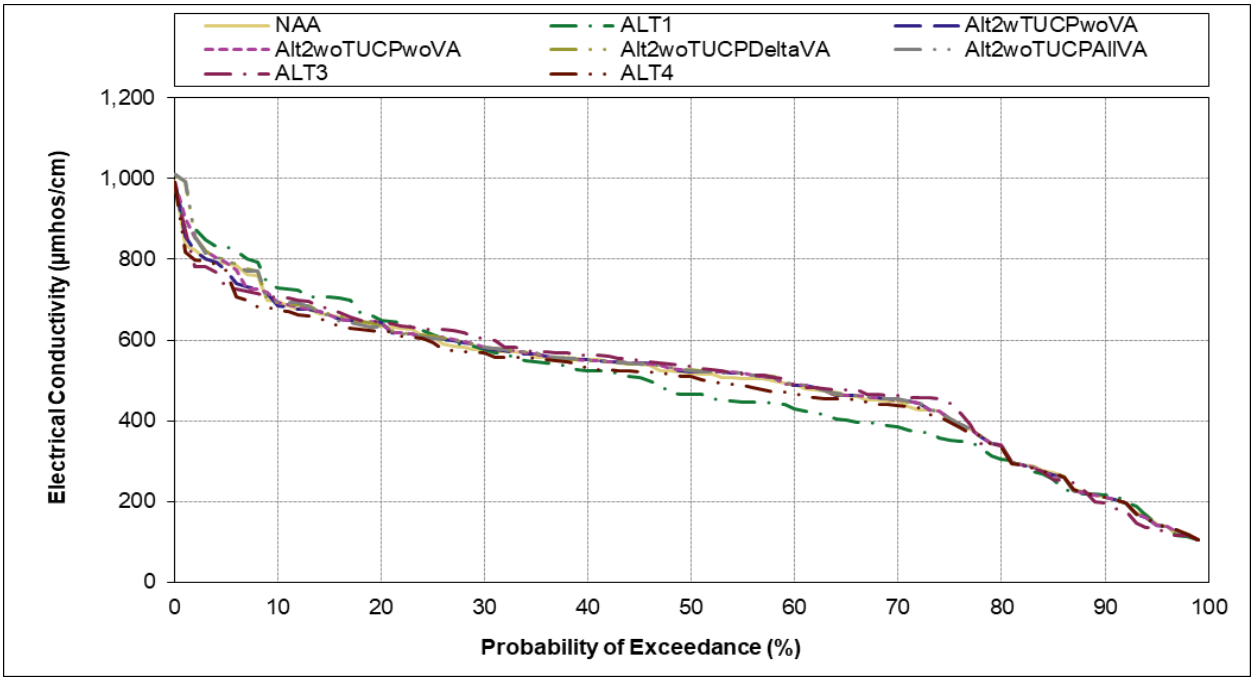

Figure G.1-17-8. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), February

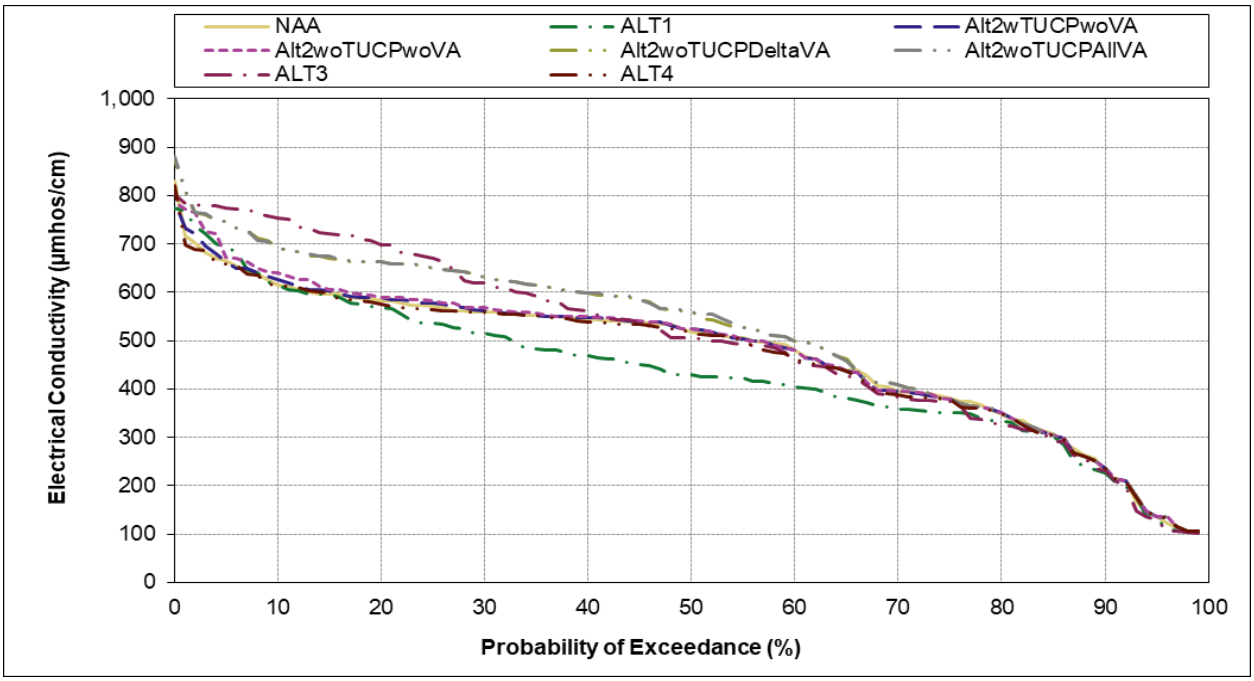

Figure G.1-17-9. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), March

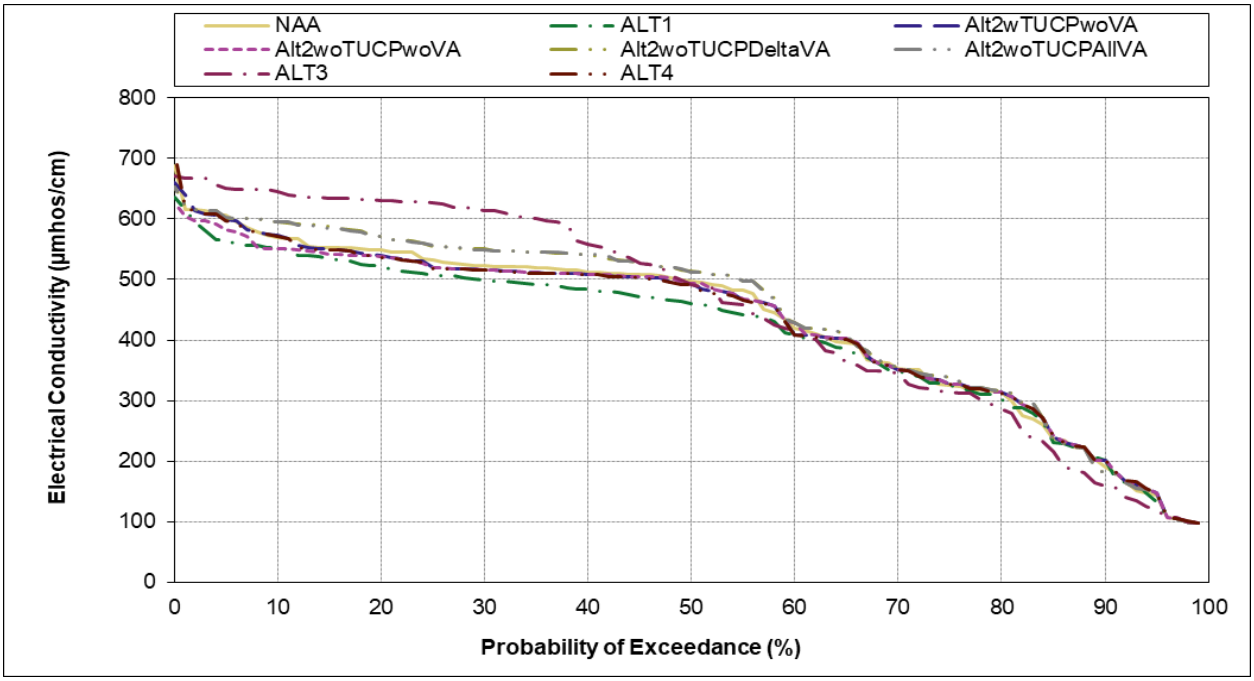

Figure G.1-17-10. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), April

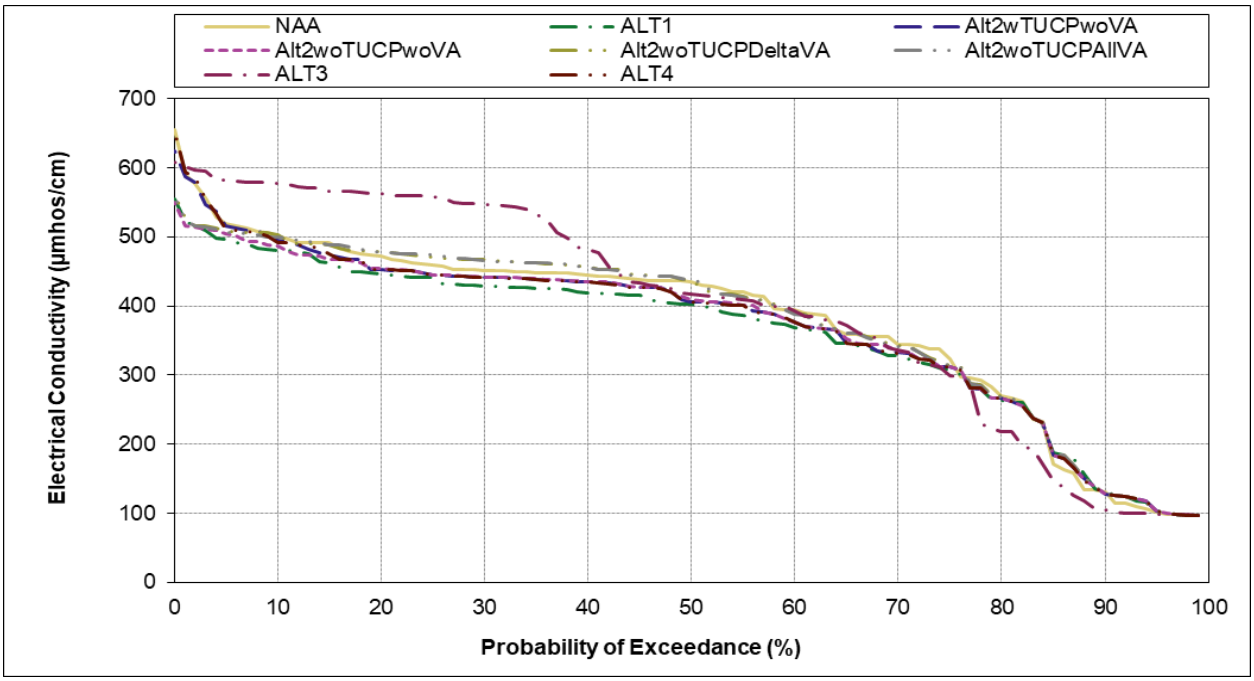

Figure G.1-17-11. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), May

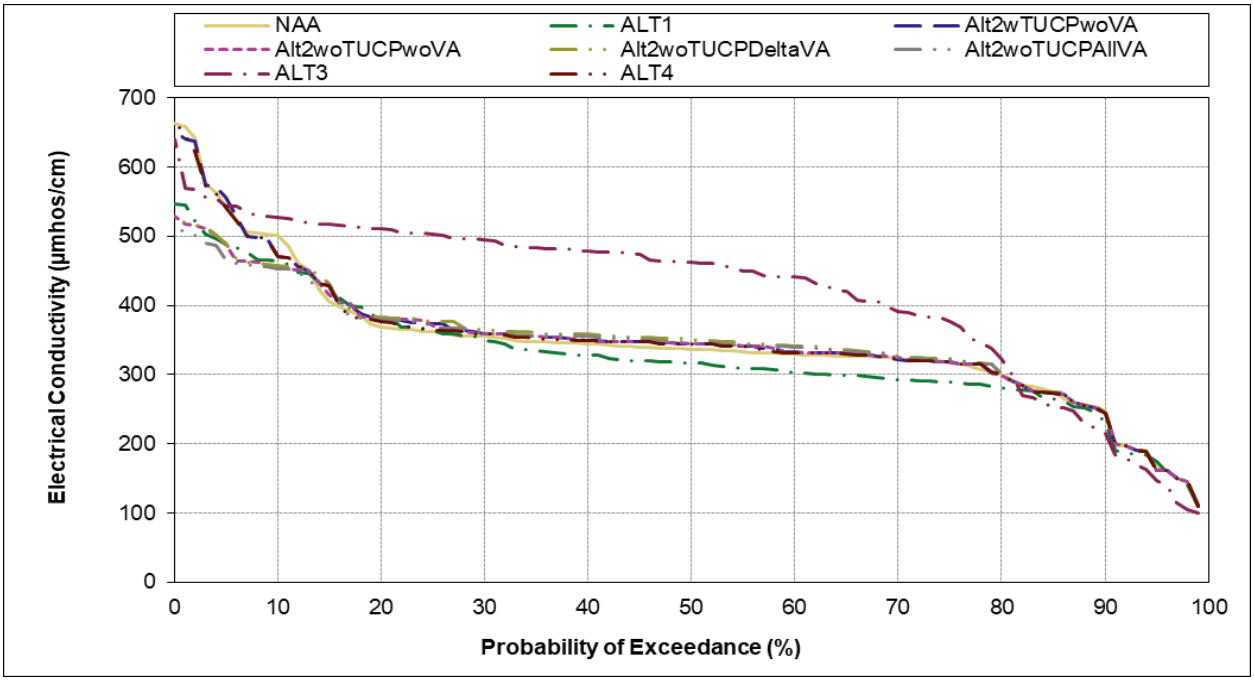

Figure G.1-17-12. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), June

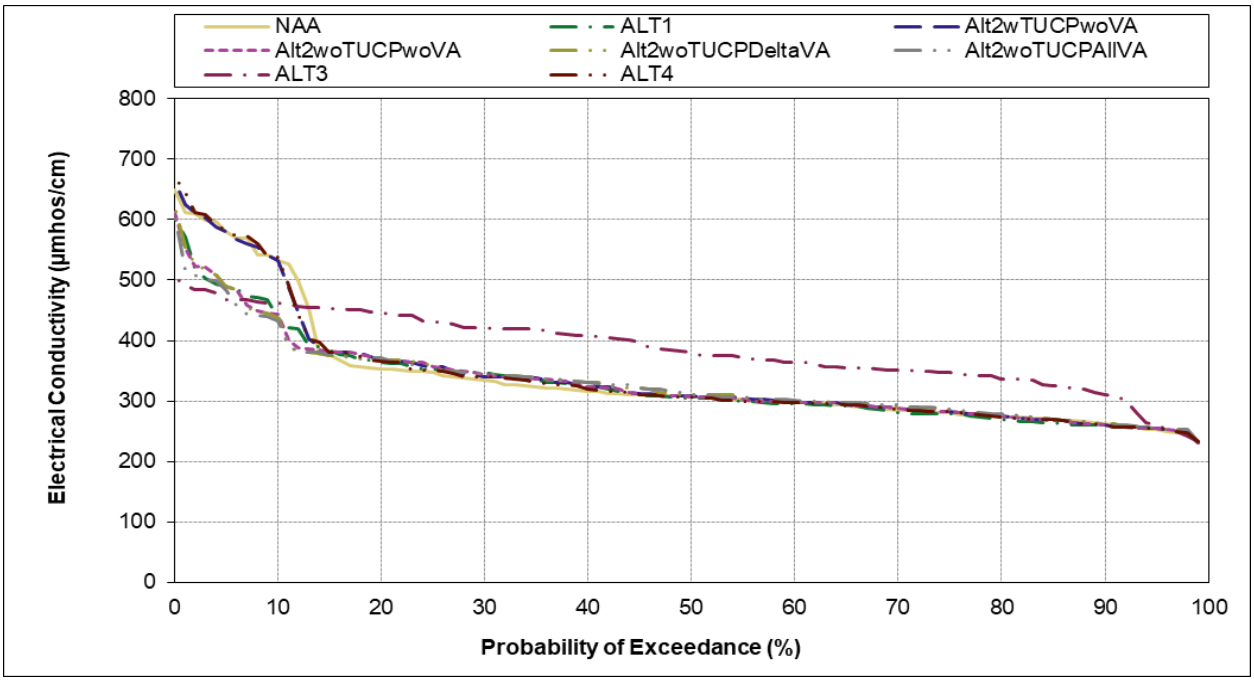

Figure G.1-17-13. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), July

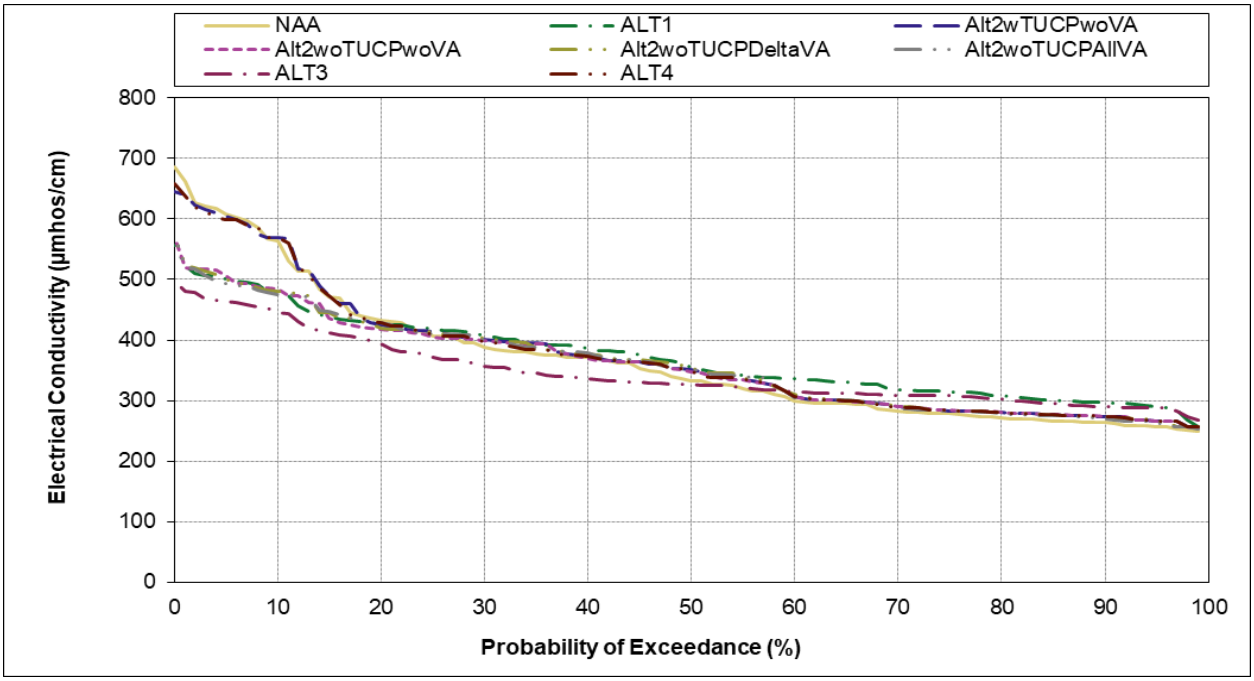

Figure G.1-17-14. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), August

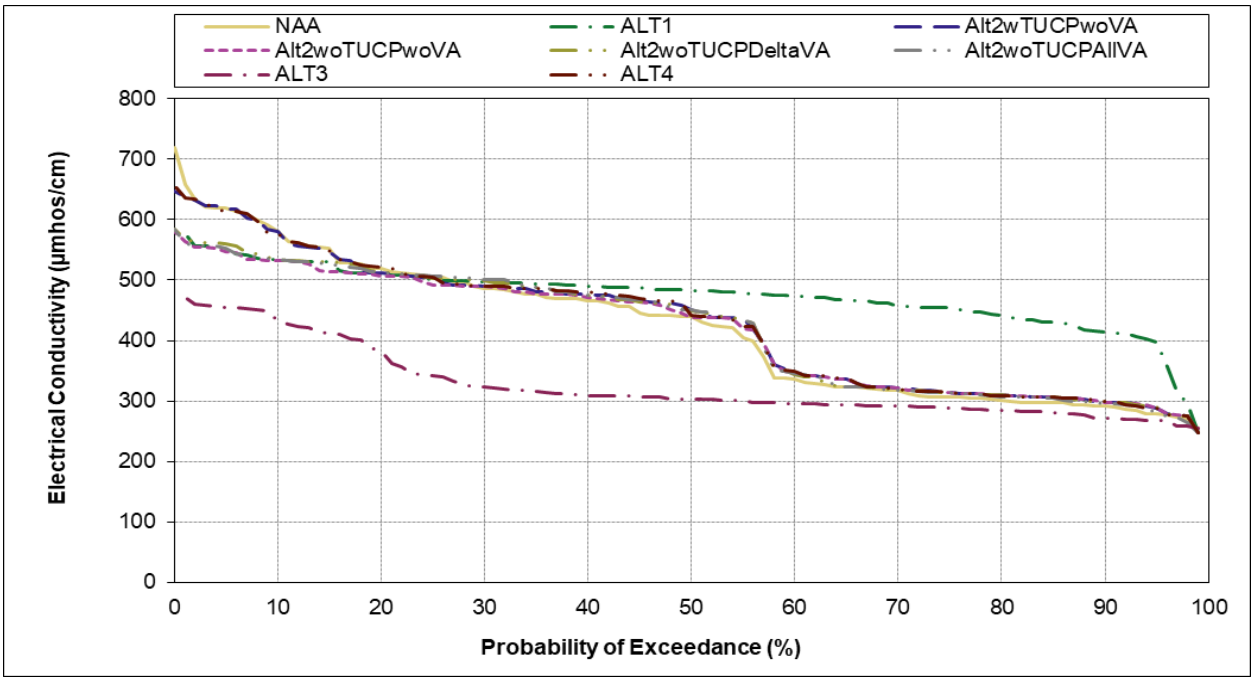

Figure G.1-17-15. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), September

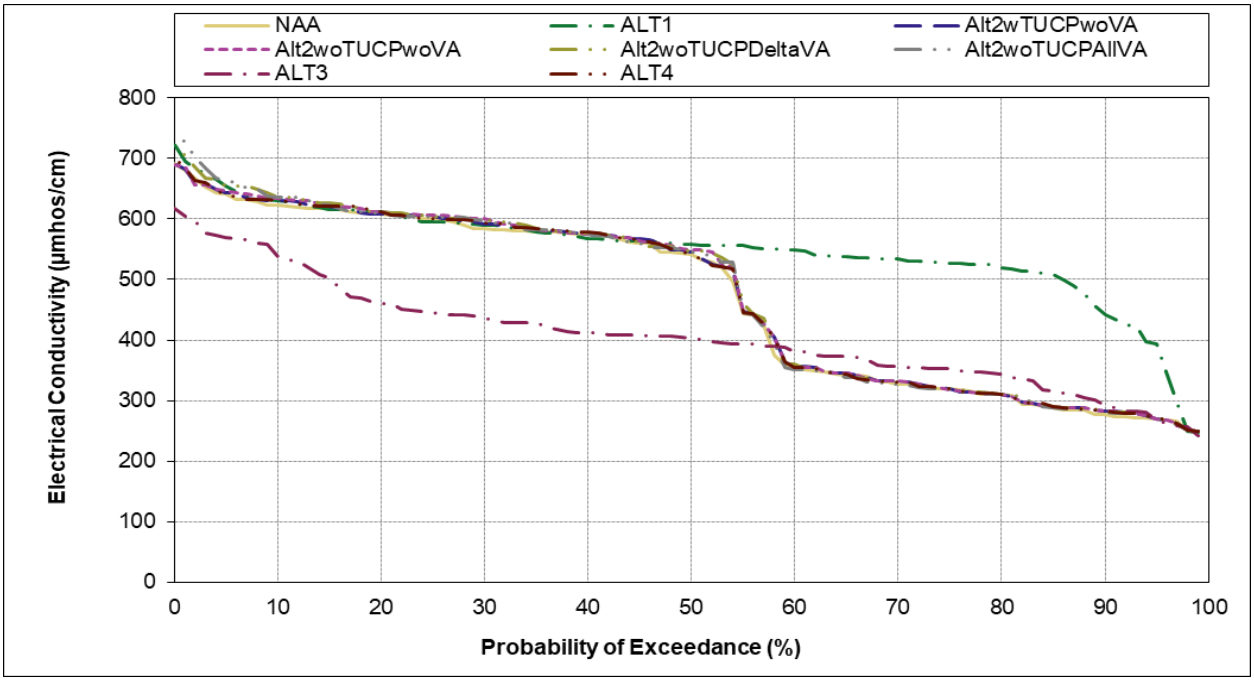

Figure G.1-17-16. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), October

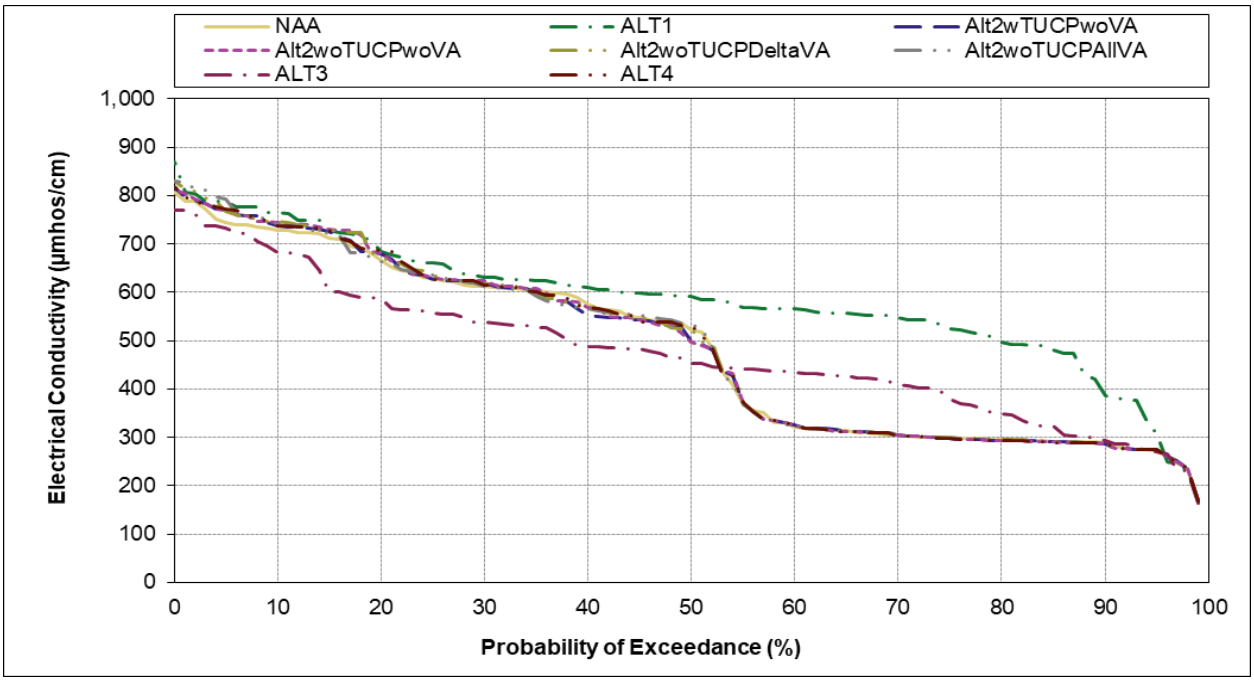

Figure G.1-17-17. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), November

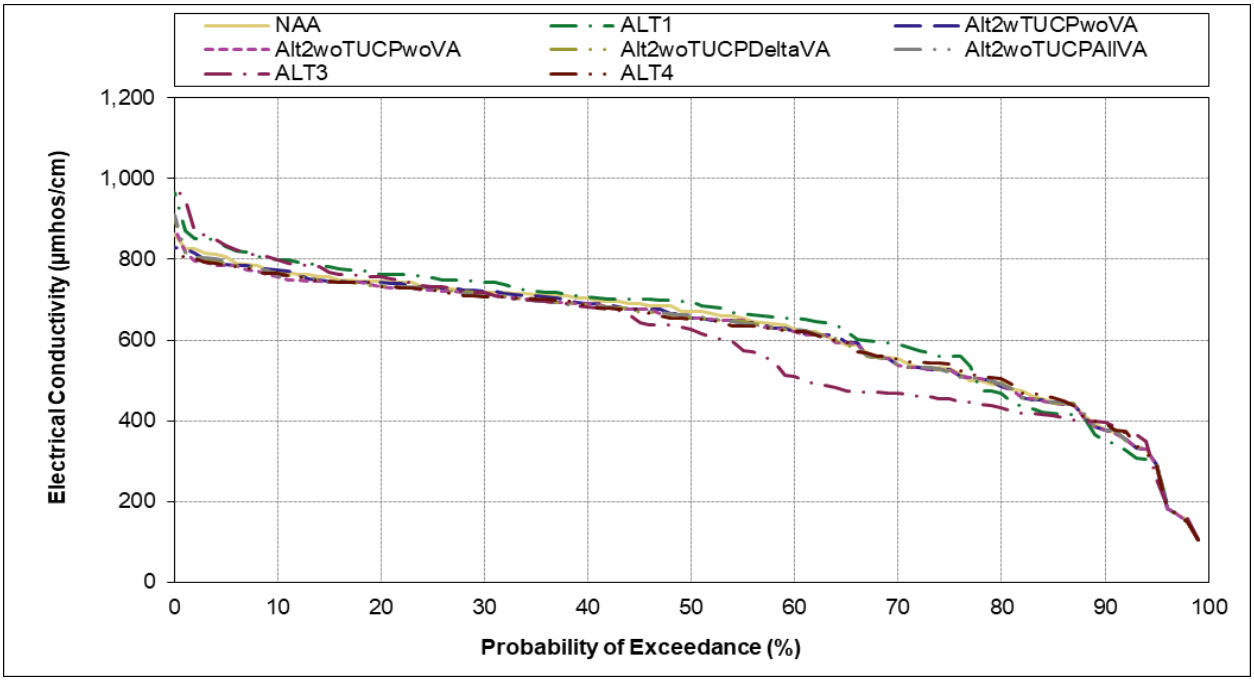

Figure G.1-17-18. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), December

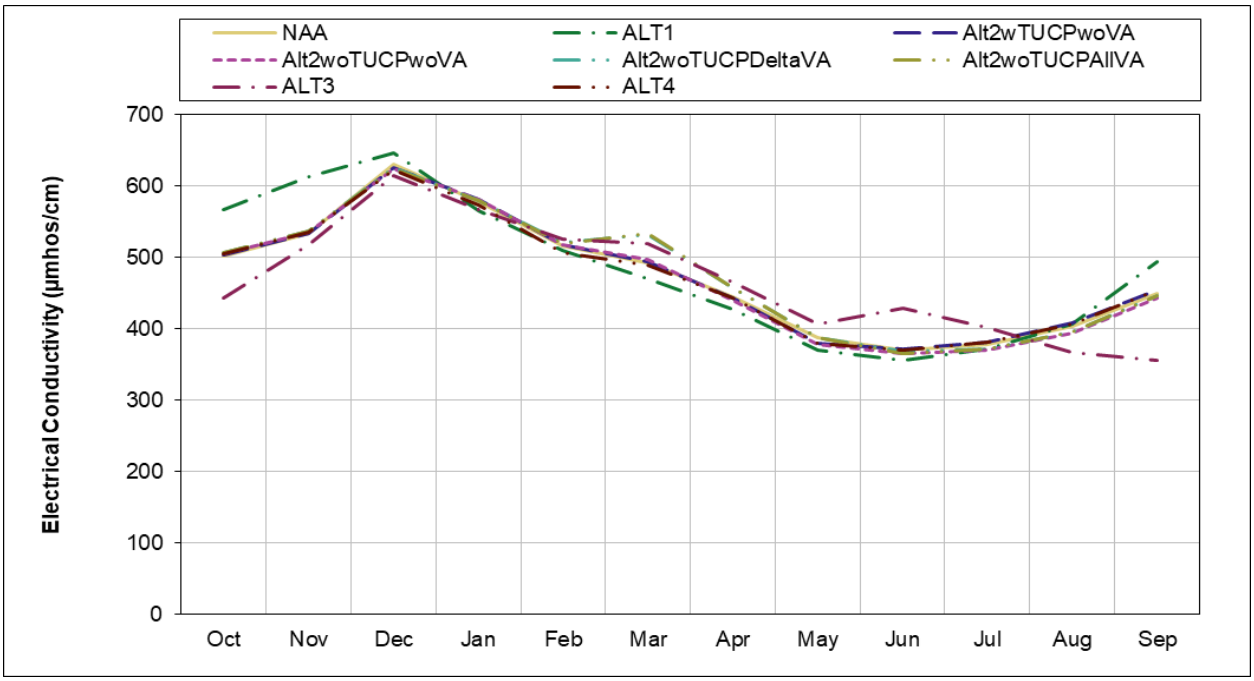

Figure G.1-18-1. Jones Pumping Plant, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)

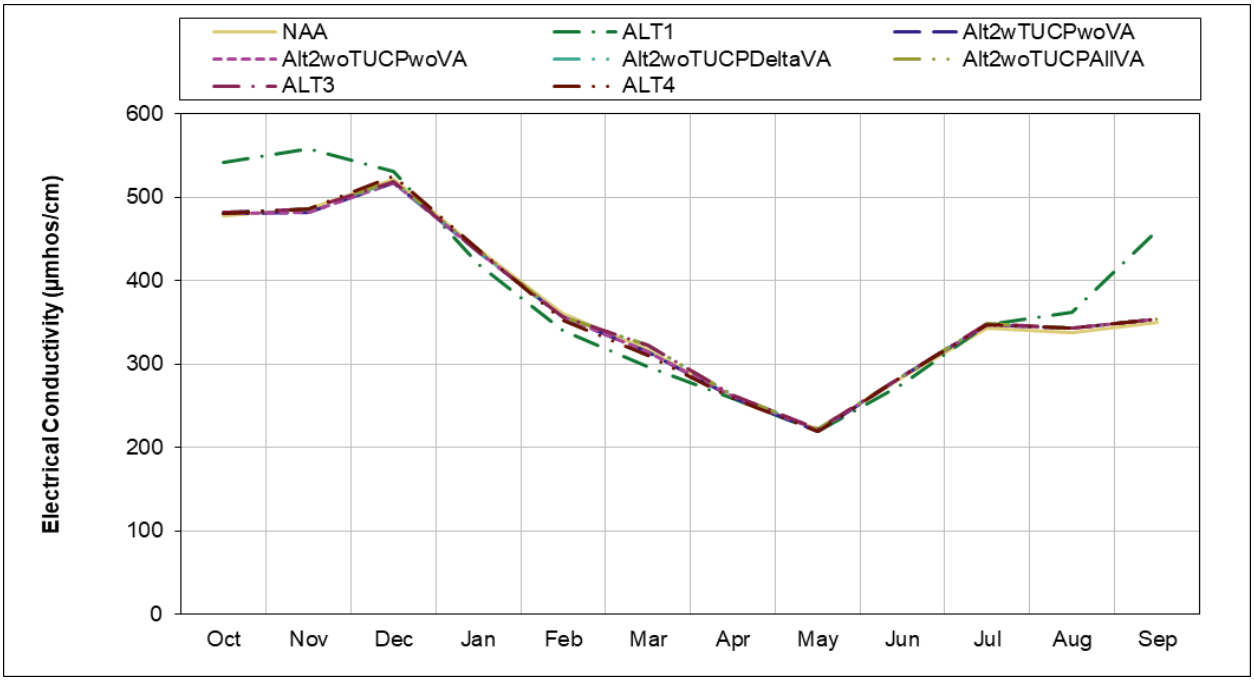

Figure G.1-18-2. Jones Pumping Plant, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

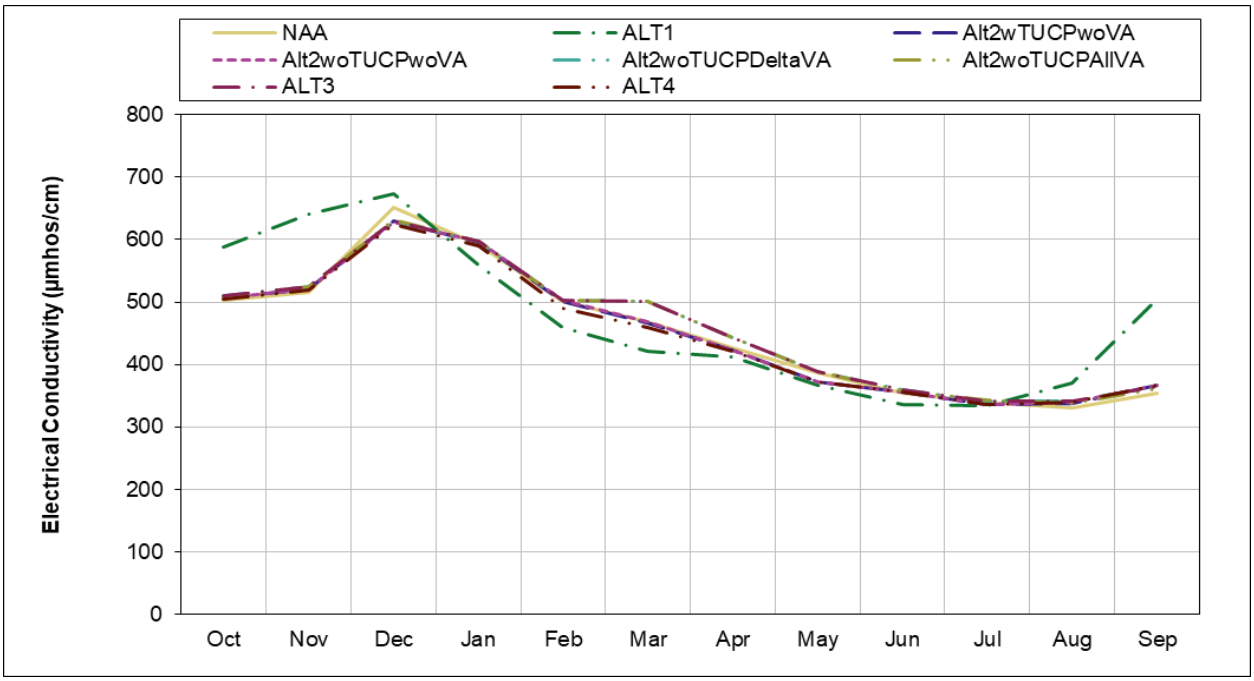

Figure G.1-18-3. Jones Pumping Plant, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

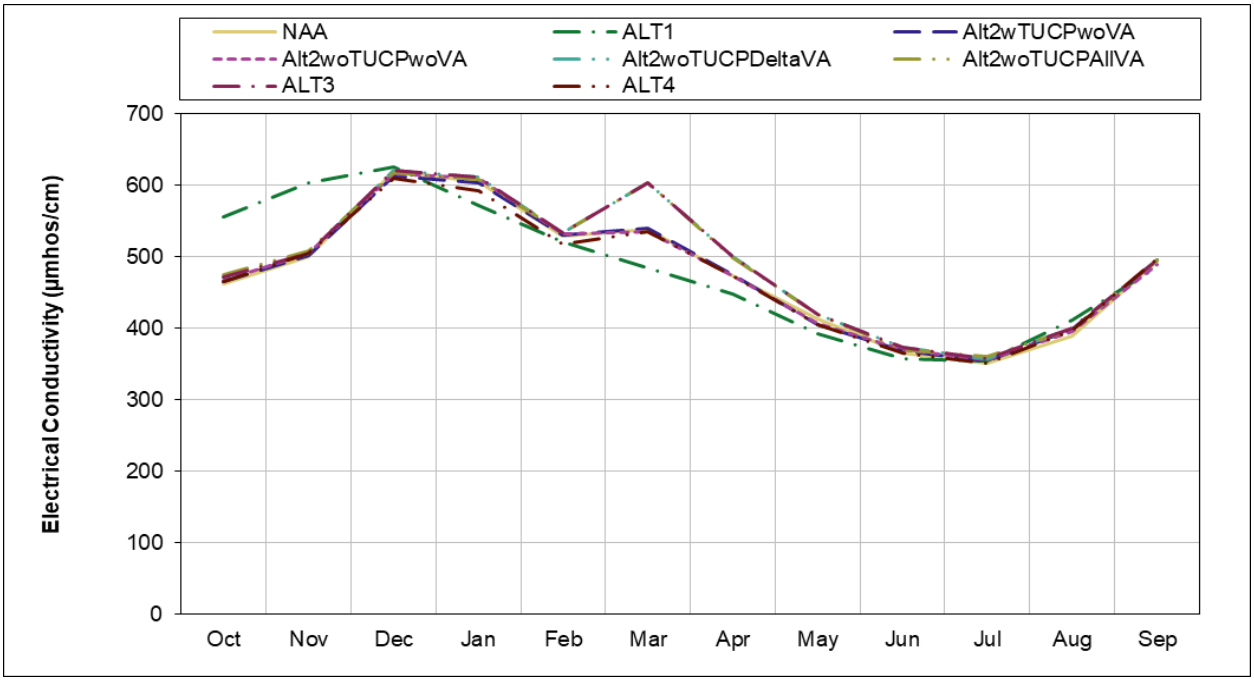

Figure G.1-18-4. Jones Pumping Plant, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

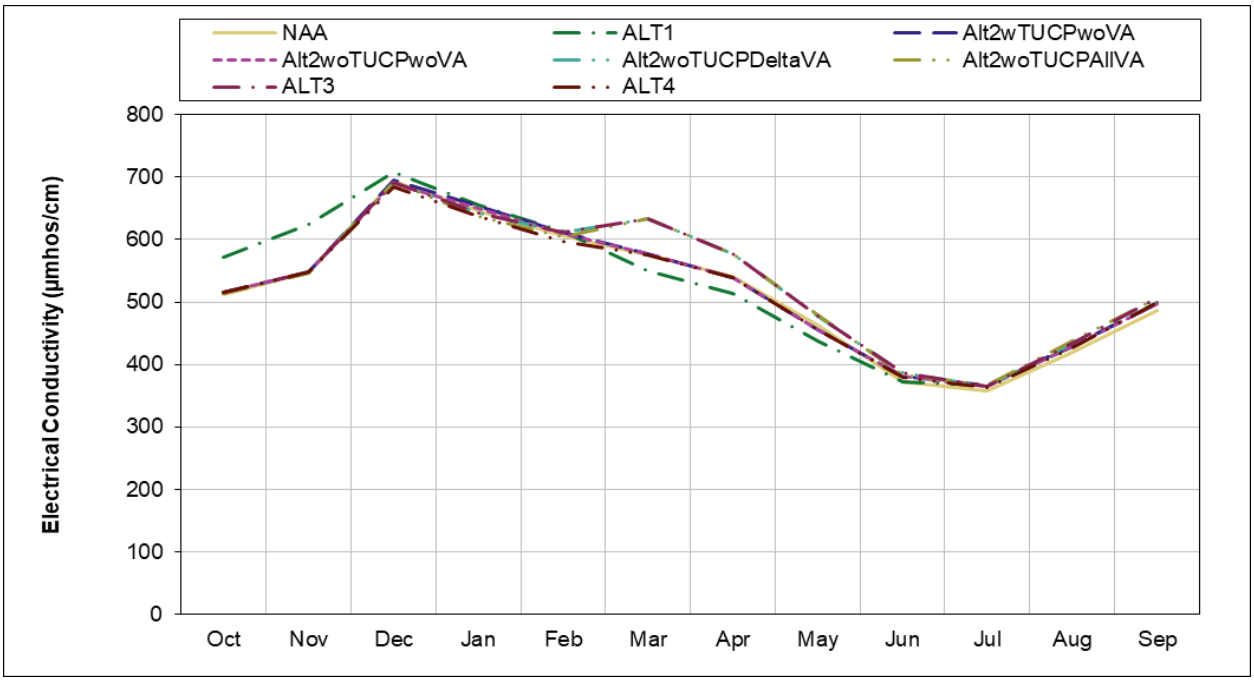

Figure G.1-18-5. Jones Pumping Plant, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

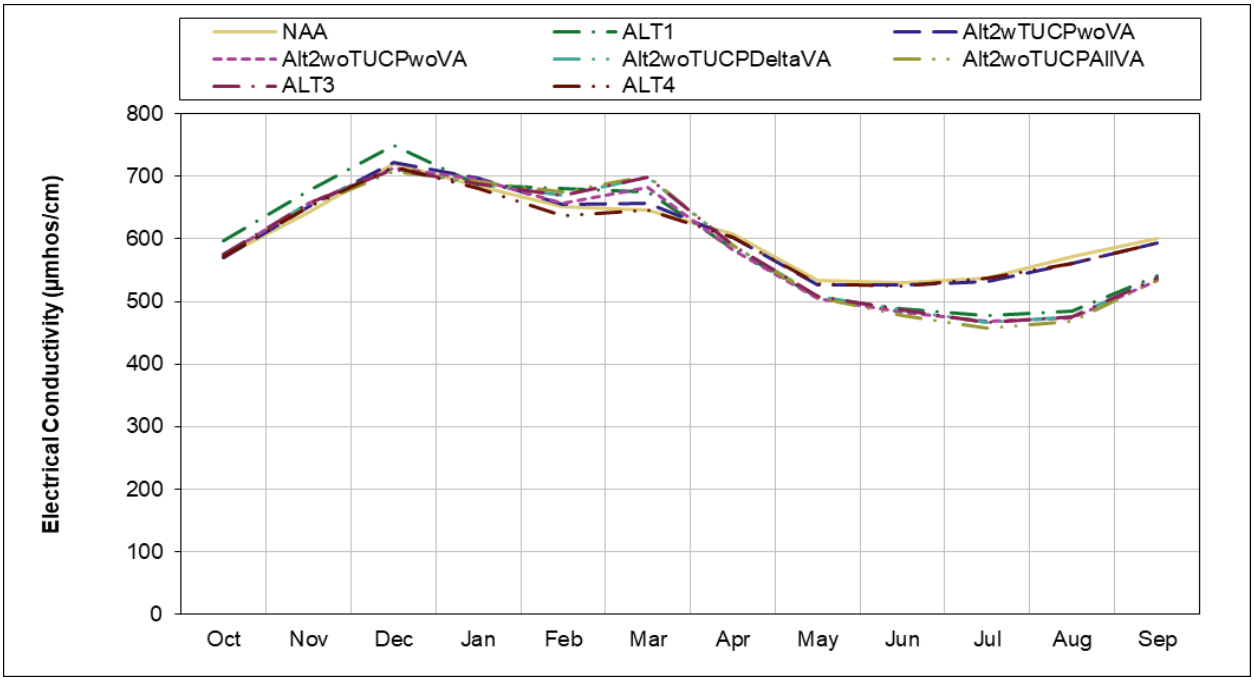

Figure G.1-18-6. Jones Pumping Plant, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

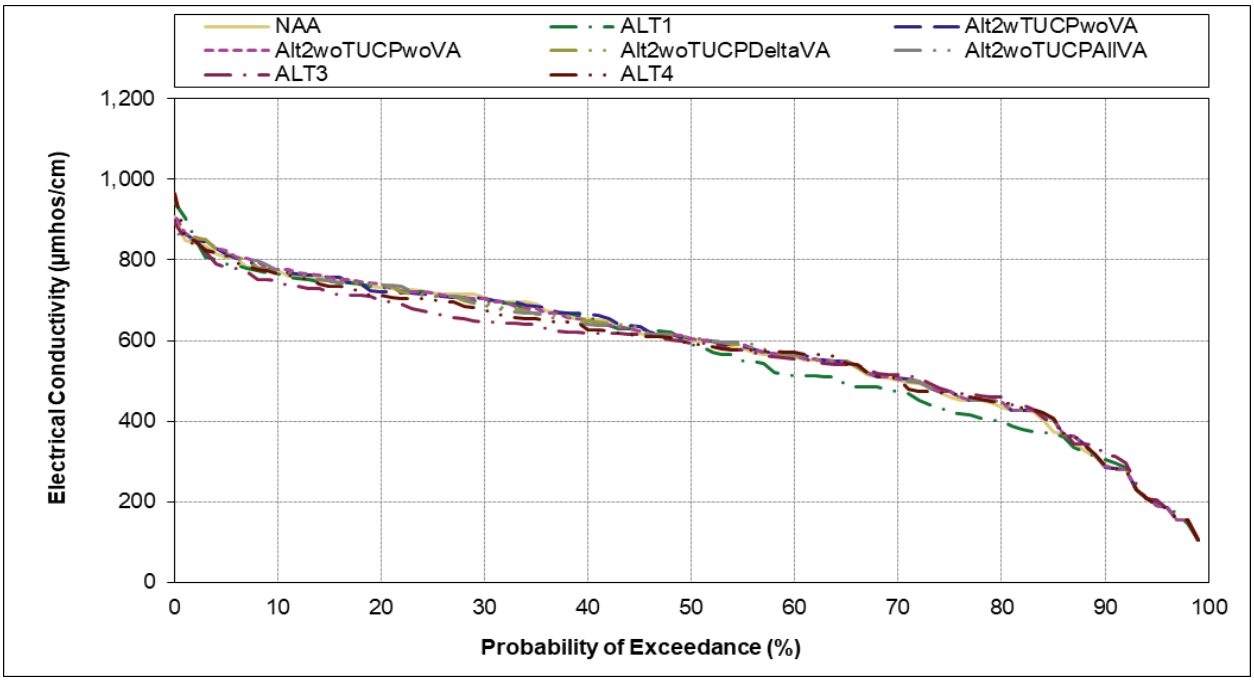

Figure G.1-18-7. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), January

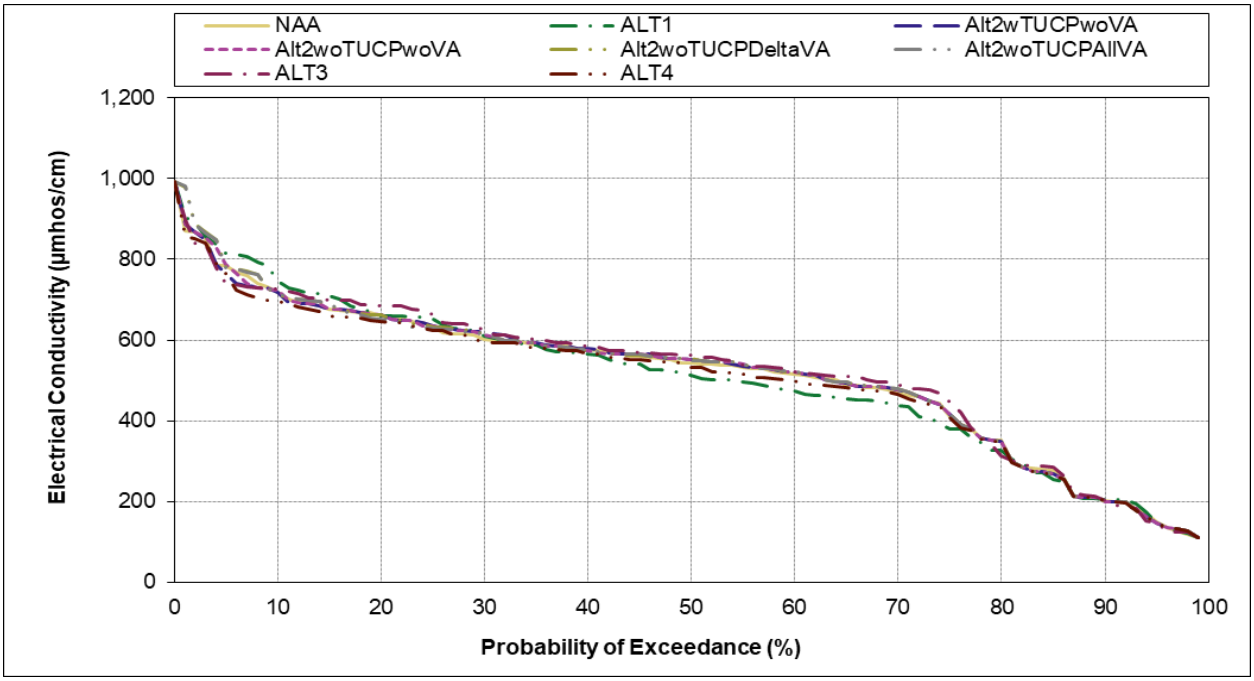

Figure G.1-18-8. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), February

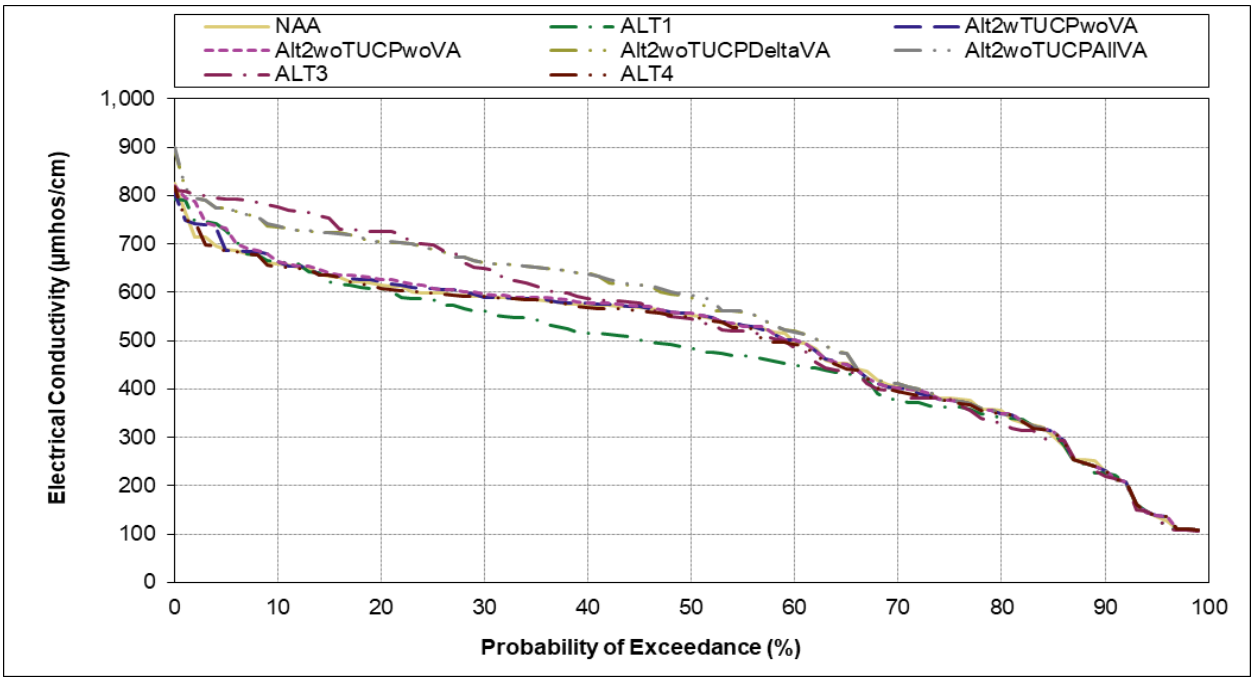

Figure G.1-18-9. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), March

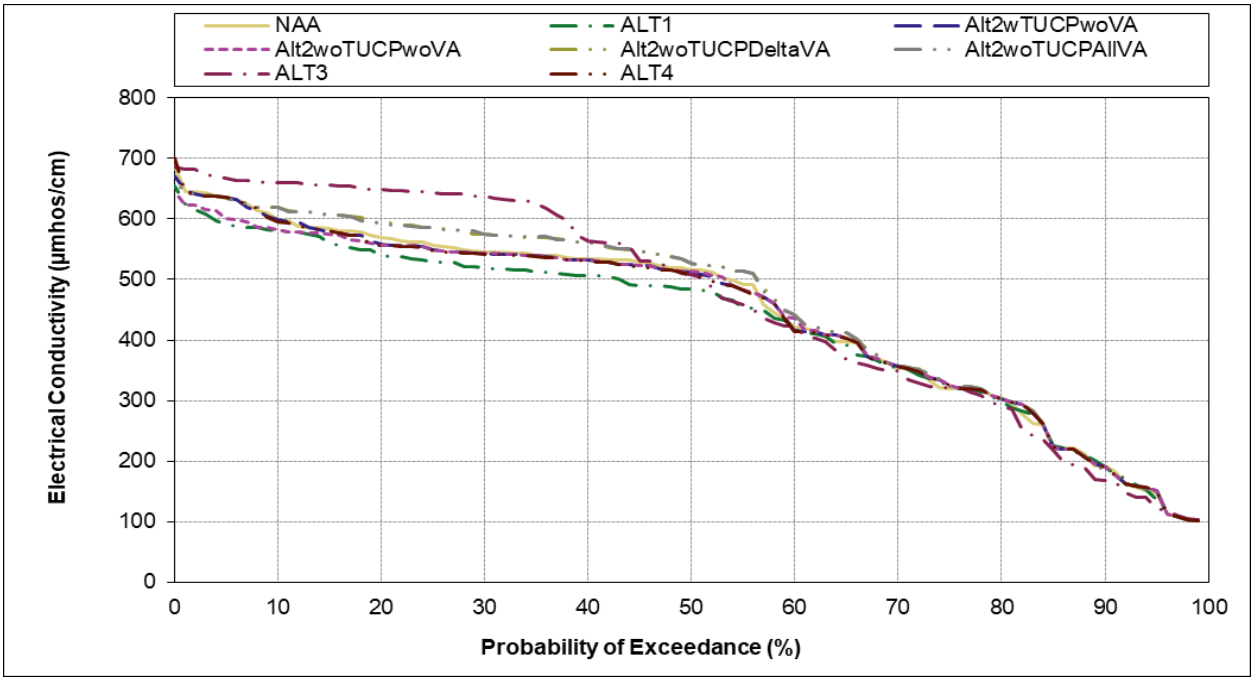

Figure G.1-18-10. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), April

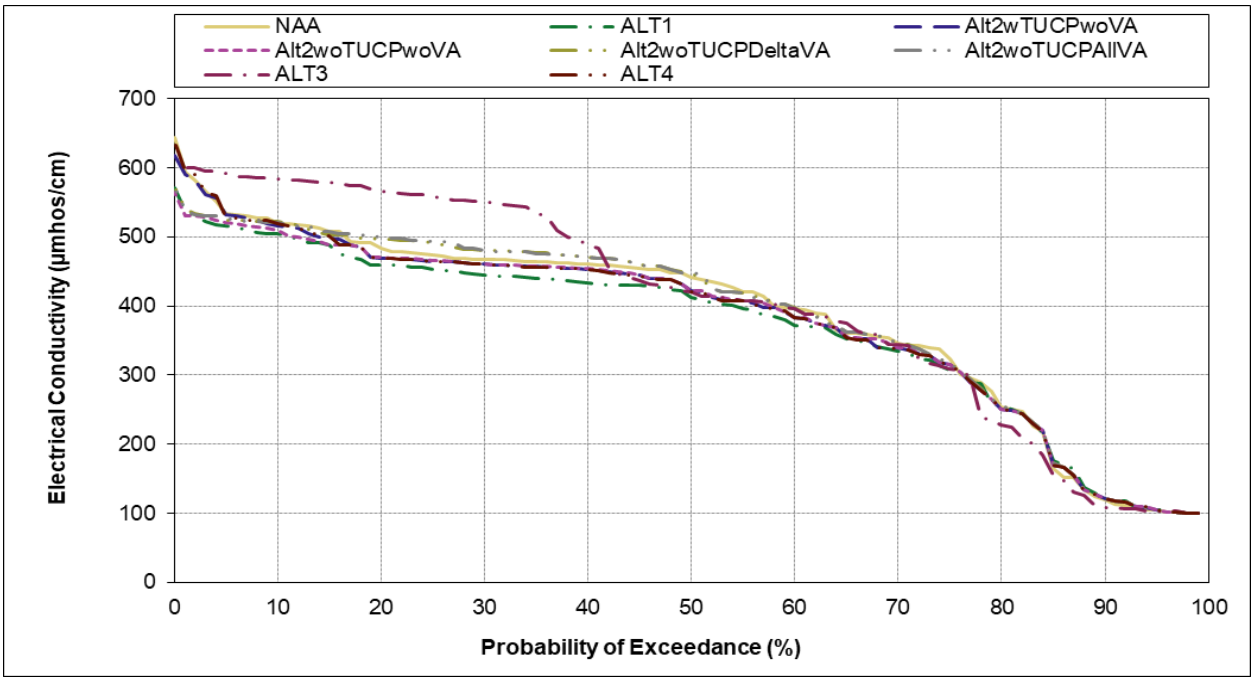

Figure G.1-18-11. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), May

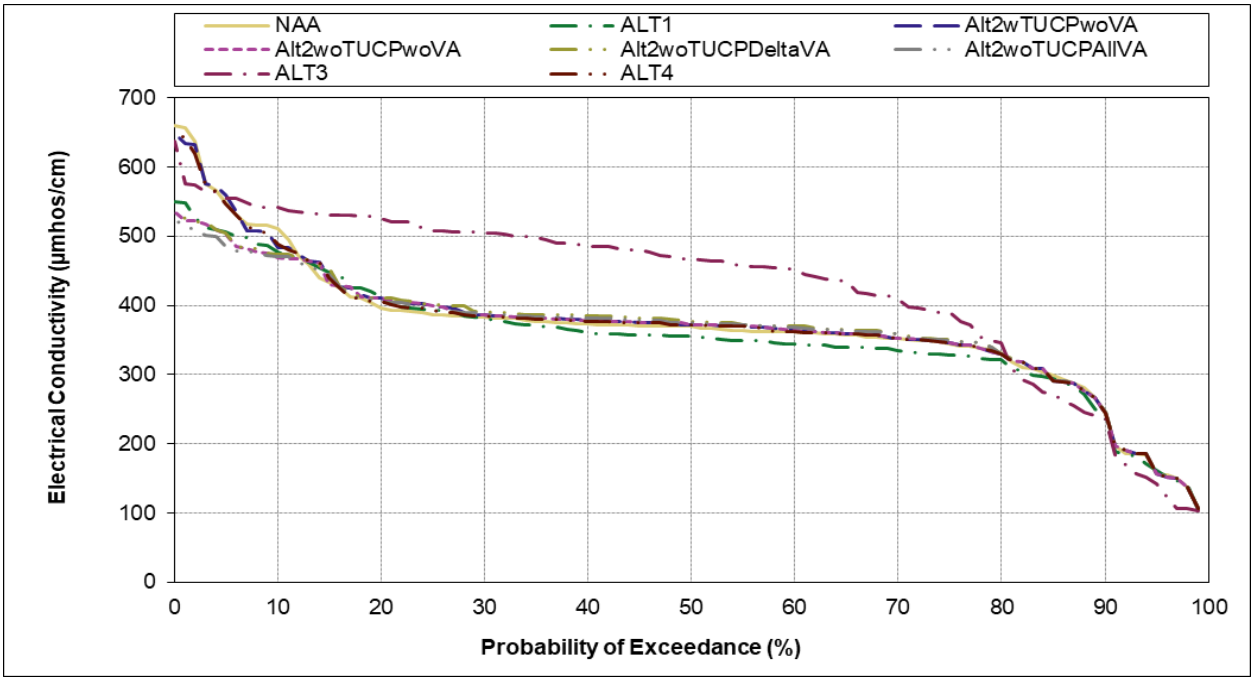

Figure G.1-18-12. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), June

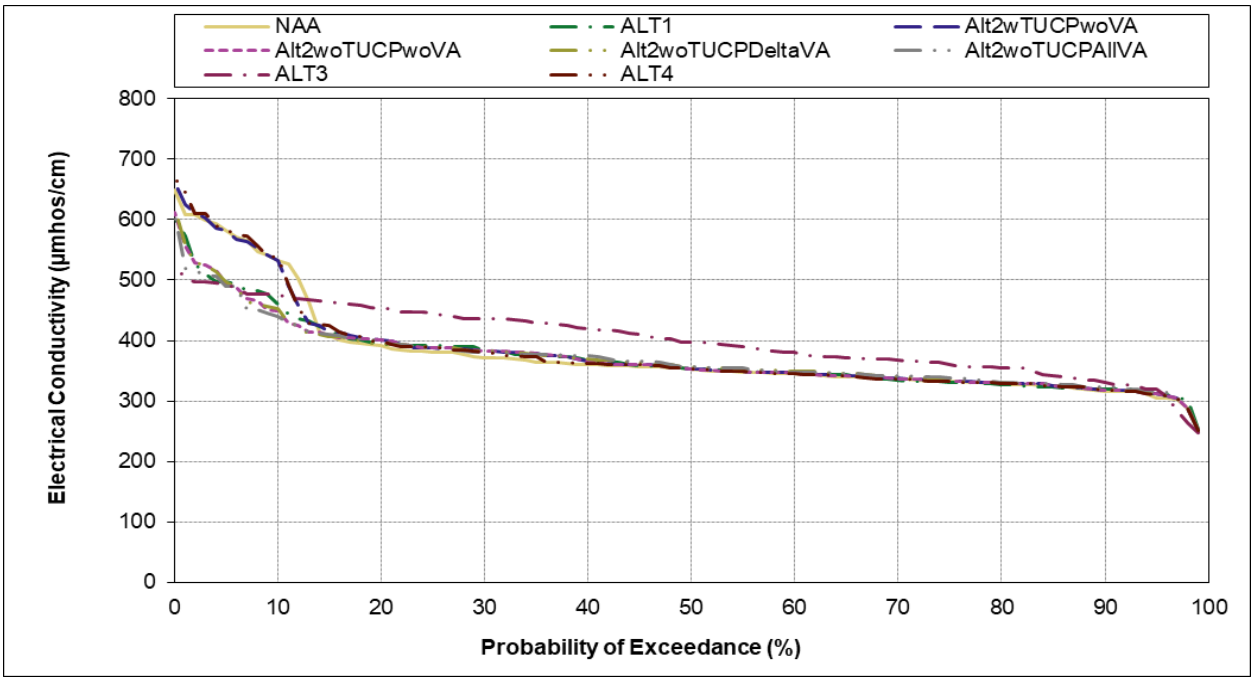

Figure G.1-18-13. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), July

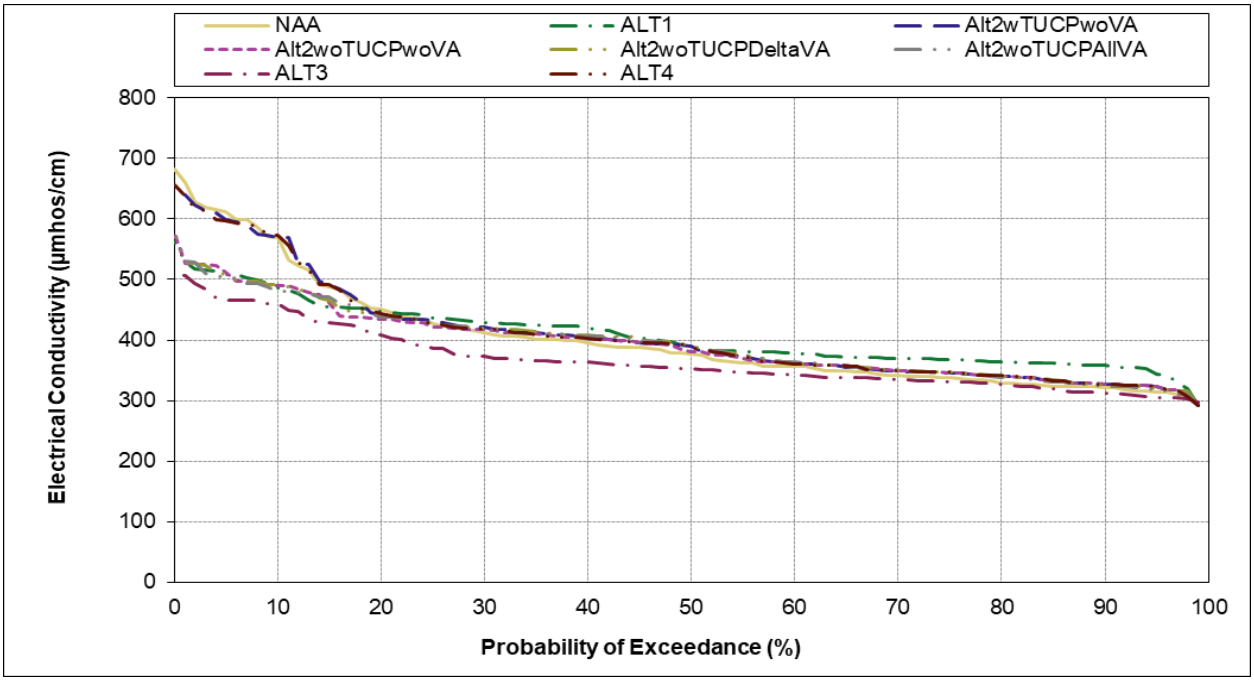

Figure G.1-18-14. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), August

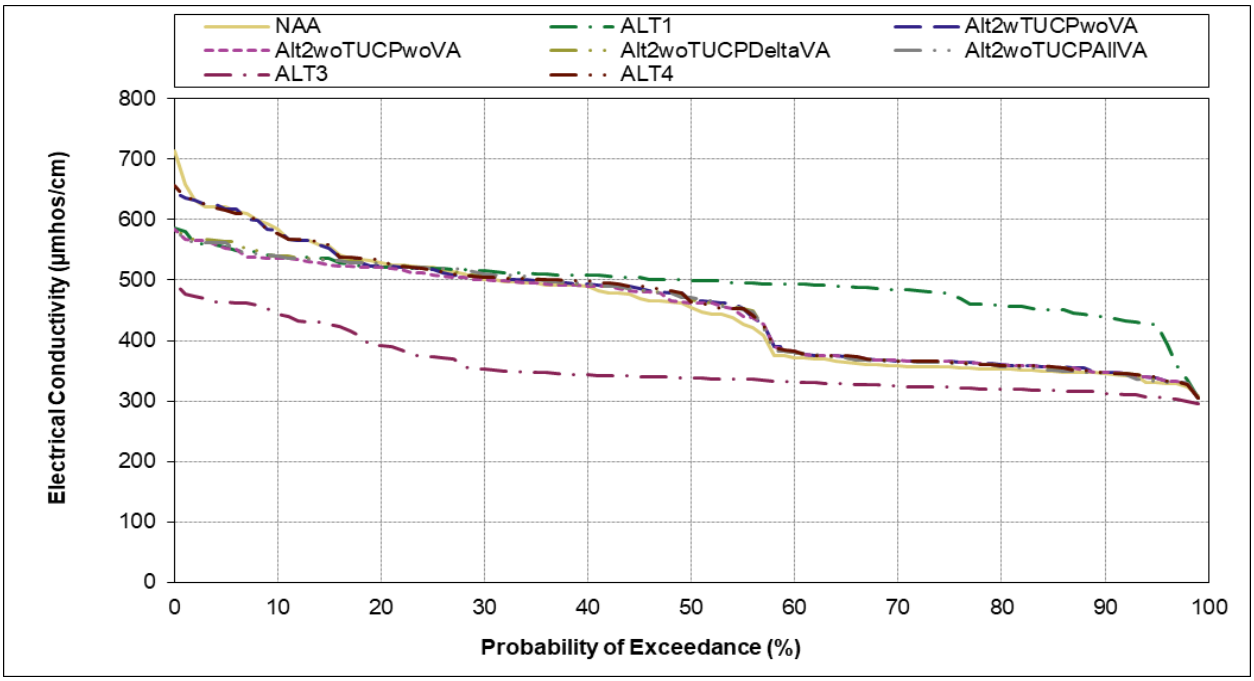

Figure G.1-18-15. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), September

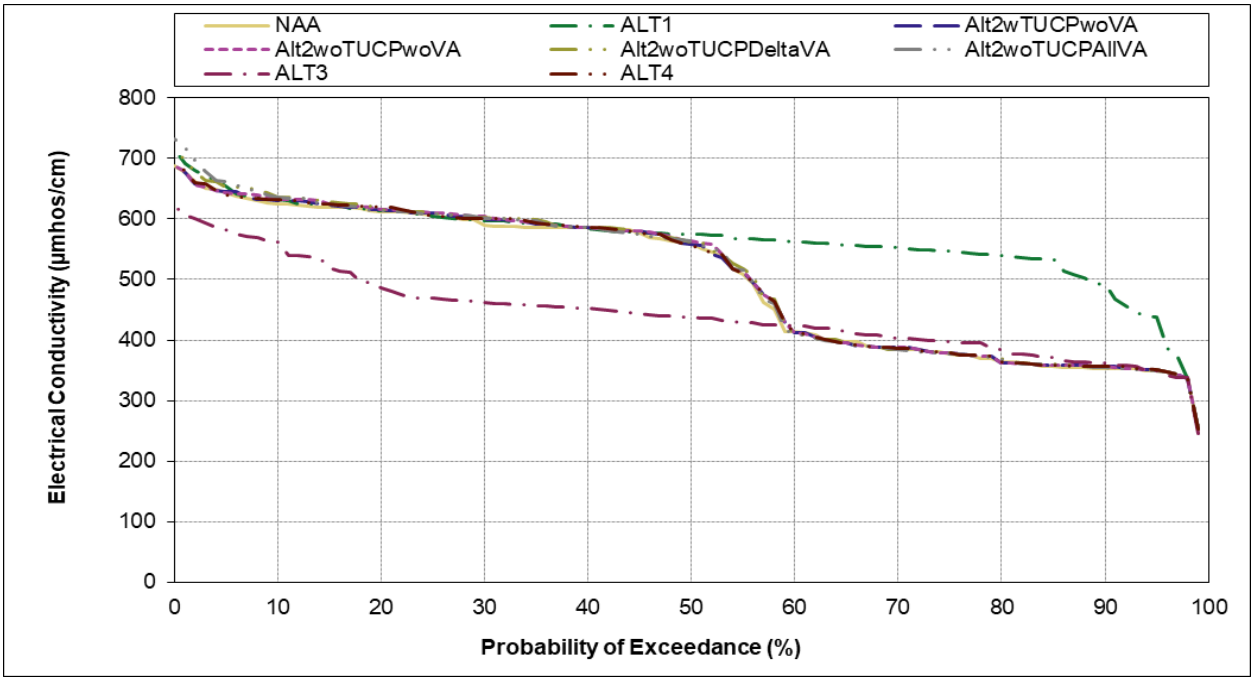

Figure G.1-18-16. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), October

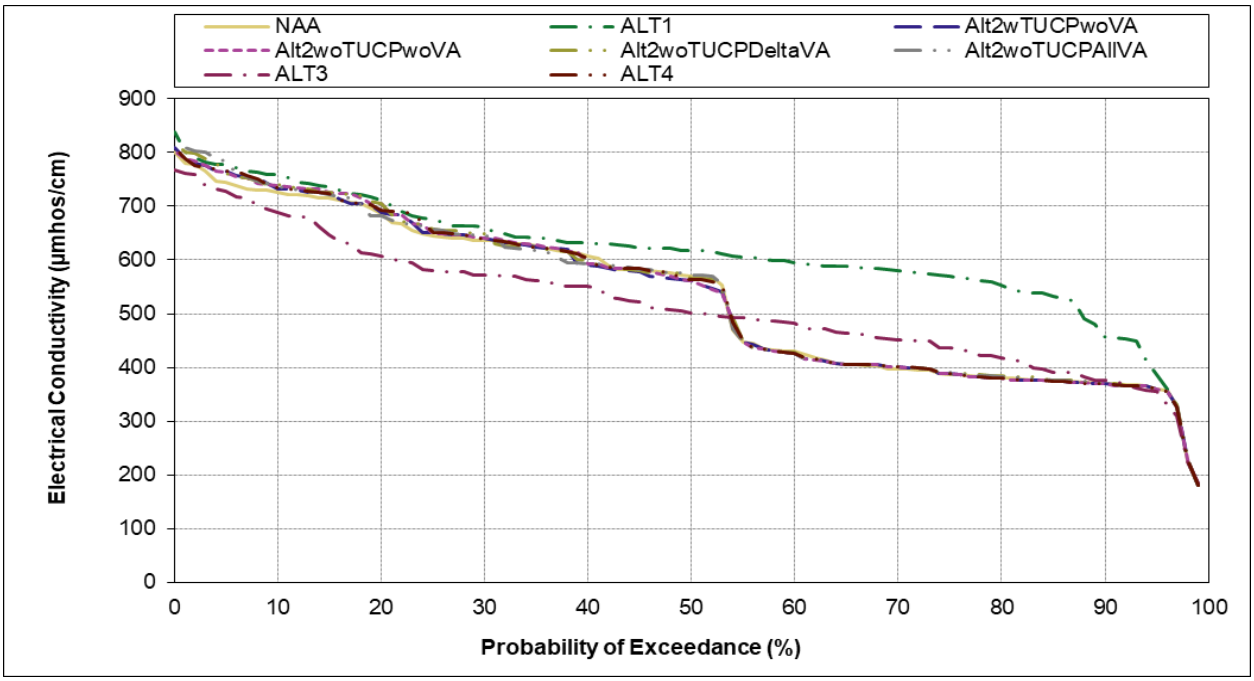

Figure G.1-18-17. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), November

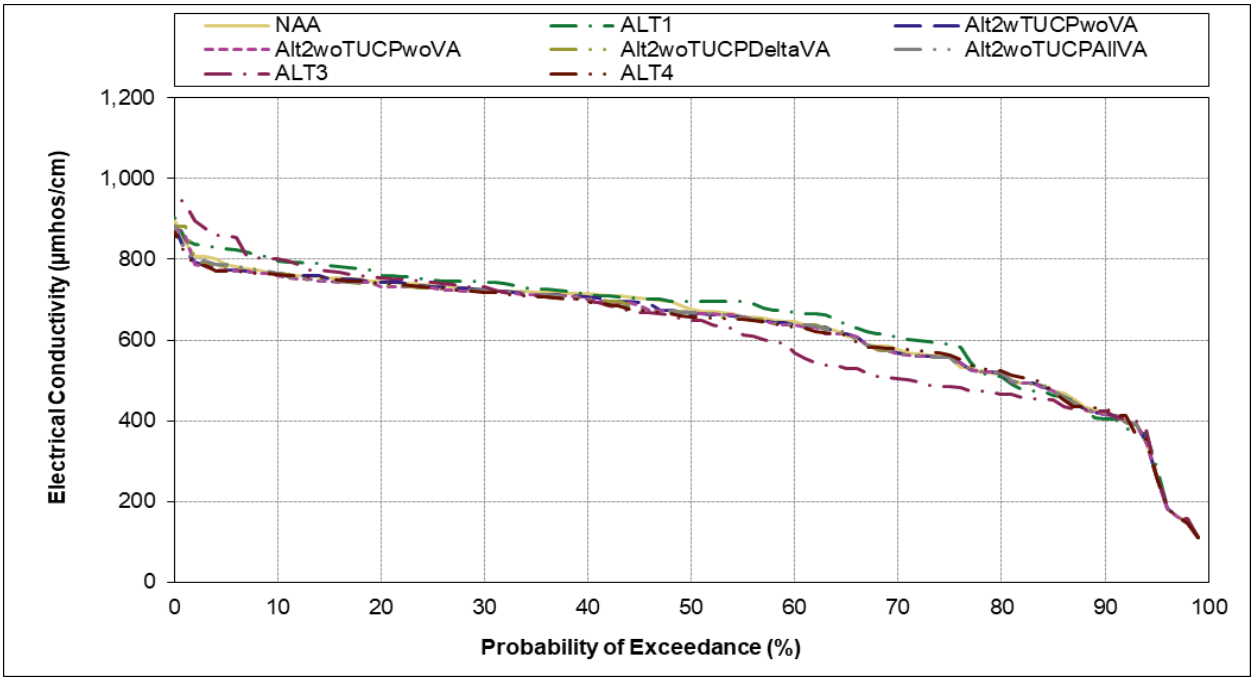

Figure G.1-18-18. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), December

G.1.4 References

State Water Resources Control Board. 2018. *Water Quality Control Plan for the San Francisco Bay/Sacramento San Joaquin Delta Estuary*. Sacramento, CA.