Appendix 5B1

Electrical Conductivity

Appendix 5B1
Electrical Conductivity

This appendix is deleted in its entirety from the Draft Environmental Impact Report and is replaced in its entirety by Appendix 5B2 in the Final Environmental Impact Report. Both sets of appendices are presented without strikethrough and underline for readability.

5B.1 Appendix Overview

The information contained in this appendix supports the quantitative assessment of the Proposed Project's effects on electrical conductivity (EC) levels at Sacramento–San Joaquin Delta (Delta) assessment locations presented in Chapter 5, "Surface Water Quality." Specifically, this appendix presents the following information.

- The EC assessment methodology.
- Applicable water quality criteria for EC used in the effects assessment to make impact determinations.
- Tables and figures presenting modeled EC at the Delta assessment locations for Baseline Conditions and the Proposed Project.

Chapter 5 summarizes information contained in the tables and figures presented in this appendix to make determinations regarding the potential for the Proposed Project to result in significant impacts on EC at Delta assessment locations.

5B.2 Modeling Results

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

- Tables
    - Probability of exceedance of the monthly average EC for water years 1922 through 2021.
    - Average of monthly average EC for water years 1922 through 2021 and by water year type: wet, above normal, below normal, dry, and critical.
    - Results shown for Baseline Conditions and the Proposed Project, and the Proposed Project minus Baseline Conditions.
- Monthly Average Plots
    - Average of monthly average EC for water years 1922 through 2021 and by water year type: wet, above normal, below normal, dry, and critical.
    - Baseline Conditions and the Proposed Project shown on same plot.
- Exceedance Plots
    - Probability exceedance of the monthly average EC for water years 1922 through 2021.
    - Baseline Conditions and the Proposed Project shown on same plot.

Table 5B-1a. Sacramento River at Emmaton, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Baseline Conditions

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	4133	4381	2899	2485	2047	1089	903	1276	2080	2127	2716	3537
1%	4065	4326	2753	2375	1661	825	723	1198	1994	2058	2689	3439
5%	3670	4072	2368	1571	710	446	548	859	1733	1930	2543	3280
10%	3571	3480	2195	1317	405	324	411	645	1223	1448	2412	3026
25%	2649	2443	1590	677	269	213	280	352	615	834	1667	2379
50%	1644	1024	710	293	199	195	202	209	408	487	873	1277
75%	369	667	248	187	184	183	187	185	204	305	540	383
99.9%	181	180	177	177	177	178	176	174	173	178	184	179

Table 5B-1b. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), Baseline Conditions

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	1621	1628	977	534	293	241	260	322	534	682	1127	1436
Wet Water Years	1227	986	354	231	183	183	186	189	225	284	477	362
Above Normal Water Years	1726	1729	788	246	190	186	192	195	285	323	522	381
Below Normal Water Years	1403	1366	1194	494	233	201	218	235	451	511	918	1383
Dry Water Years	1567	1723	1217	726	345	259	276	323	588	826	1540	2241
Critical Water Years	2651	2977	1662	1090	581	416	481	773	1323	1699	2467	3136

Table 5B-2a. Sacramento River at Emmaton, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	4071	4368	2871	2417	1966	785	835	1245	2065	2087	2718	3604
1%	4068	4322	2799	2068	919	687	741	1209	2008	2073	2712	3549
5%	3693	4093	2391	1568	735	393	553	901	1709	1944	2552	3281
10%	3574	3484	2233	1228	394	314	392	679	1289	1472	2375	3031
25%	2650	2491	1568	669	265	211	268	351	616	827	1695	2411
50%	1739	1041	718	292	199	195	202	209	393	484	872	1232
75%	375	665	247	187	184	183	187	184	201	302	577	385
99.9%	182	180	177	177	177	178	176	174	173	178	184	180

Table 5B-2b. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	1652	1640	968	517	278	231	258	325	540	682	1156	1465
Wet Water Years	1270	991	356	228	183	183	186	193	223	284	513	369
Above Normal Water Years	1758	1729	817	246	190	186	191	195	280	323	573	373
Below Normal Water Years	1397	1393	1184	475	233	200	215	239	445	492	905	1416
Dry Water Years	1599	1720	1220	732	327	238	266	316	600	837	1615	2328
Critical Water Years	2701	3009	1587	1003	506	384	483	789	1354	1709	2462	3146

Table 5B-2c. Sacramento River at Emmaton, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project minus Baseline Conditions

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	-62	-14	-28	-68	-81	-304	-68	-31	-16	-40	1	67
1%	3	-4	46	-307	-742	-138	18	11	15	15	23	110
5%	24	21	24	-3	25	-53	5	42	-24	14	9	1
10%	3	3	38	-89	-11	-10	-19	33	67	24	-37	5
25%	0	48	-23	-9	-4	-2	-12	-1	1	-7	28	33
50%	95	18	8	-2	1	1	-1	0	-15	-3	-1	-44
75%	6	-2	-1	0	0	0	0	-1	-2	-3	37	2
99.9%	1	0	0	0	0	0	0	0	0	0	0	0

Table 5B-2d. Sacramento River at Emmaton, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project minus Baseline Conditions

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	30	11	-10	-18	-16	-10	-3	3	5	0	29	29
Wet Water Years	43	5	2	-4	0	0	0	3	-1	-1	36	7
Above Normal Water Years	32	-1	29	1	0	0	-1	0	-5	0	52	-7
Below Normal Water Years	-5	27	-11	-19	0	-1	-3	4	-6	-19	-14	33
Dry Water Years	32	-3	3	7	-18	-21	-10	-6	12	11	75	87
Critical Water Years	50	32	-75	-87	-75	-32	2	16	31	10	-5	10

Table 5B-3a. S. Fork Mokelumne River at Terminous, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Baseline Conditions

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	208	233	242	262	270	264	236	218	200	194	197	194
1%	205	227	242	257	266	263	233	217	200	193	197	192
5%	201	214	236	247	258	248	223	212	196	192	195	190
10%	198	209	225	237	254	237	221	203	193	189	192	189
25%	190	200	219	226	238	226	213	199	189	184	188	186
50%	184	193	210	214	224	212	196	188	187	183	182	179
75%	183	188	199	206	205	196	189	179	180	181	180	177
99.9%	177	178	179	174	172	183	170	167	171	173	178	176

Table 5B-3b. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), Baseline Conditions

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	187	195	210	215	223	213	200	189	185	183	184	182
Wet Water Years	185	192	201	200	199	195	184	176	179	180	180	177
Above Normal Water Years	188	202	217	212	214	202	191	183	184	181	180	178
Below Normal Water Years	186	194	210	219	227	213	199	189	187	182	182	180
Dry Water Years	186	193	211	223	238	224	210	196	188	184	187	186
Critical Water Years	192	203	220	229	247	239	221	207	194	190	193	189

Table 5B-4a. S. Fork Mokelumne River at Terminous, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	208	225	242	262	270	263	235	217	201	194	197	194
1%	205	218	241	258	266	260	232	217	200	193	197	192
5%	201	212	233	250	258	248	224	212	196	191	194	190
10%	198	207	225	237	253	237	220	202	193	190	193	189
25%	189	199	219	226	238	226	212	199	190	184	188	186
50%	184	193	211	214	224	212	196	188	187	183	182	179
75%	183	188	199	206	205	196	188	178	180	181	180	177
99.9%	177	178	179	174	172	183	170	167	171	173	178	176

Table 5B-4b. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	187	195	209	215	223	213	199	189	186	183	184	182
Wet Water Years	185	192	201	200	199	195	184	176	179	180	180	177
Above Normal Water Years	188	200	216	212	214	202	190	183	184	181	180	177
Below Normal Water Years	186	194	210	219	227	213	199	188	187	183	182	180
Dry Water Years	186	192	211	223	239	223	209	196	188	184	187	186
Critical Water Years	193	202	218	229	246	239	221	207	195	190	193	189

Table 5B-4c. S. Fork Mokelumne River at Terminous, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project minus Baseline Conditions

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	0	-8	0	0	0	-1	0	-1	0	0	0	0
1%	0	-9	0	0	1	-3	0	0	0	0	0	0
5%	0	-2	-3	3	0	0	1	-1	0	0	0	0
10%	0	-2	0	0	-1	0	-1	-1	0	0	0	0
25%	-1	0	0	1	0	0	0	0	0	0	0	0
50%	0	0	1	0	0	0	0	0	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 5B-4d. S. Fork Mokelumne River at Terminous, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project minus Baseline Conditions

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0	-1	0	0	0	0	0	0	0	0	0	0
Wet Water Years	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal Water Years	0	-2	-1	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	1	0	0	-1	0	0	0	0
Critical Water Years	0	-2	-1	0	-1	0	0	-1	0	0	0	0

Table 5B-5a. Banks Pumping Plant, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Baseline Conditions

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	721	841	982	927	969	818	673	591	498	488	550	600
1%	674	801	943	895	876	769	628	561	494	473	532	592
5%	643	768	899	840	766	667	613	541	471	450	489	569
10%	618	757	843	814	736	638	600	526	444	428	471	546
25%	594	636	789	771	610	578	580	512	377	337	428	516
50%	537	523	694	631	533	527	528	443	342	299	372	467
75%	286	317	523	477	443	401	341	327	309	258	273	296
99.9%	246	236	162	119	125	110	99	98	99	181	200	236

Table 5B-5b. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), Baseline Conditions

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	461	495	652	615	520	489	454	406	332	308	359	418
Wet Water Years	437	436	526	474	386	334	281	263	242	243	265	281
Above Normal Water Years	478	514	702	624	522	490	436	386	320	268	271	299
Below Normal Water Years	423	452	636	639	546	524	485	419	347	295	377	524
Dry Water Years	449	492	715	695	586	564	572	508	361	342	444	488
Critical Water Years	558	651	791	732	642	629	589	529	451	427	451	522

Table 5B-6a. Banks Pumping Plant, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	705	844	974	926	968	773	631	568	502	486	545	623
1%	690	808	944	891	865	753	630	567	483	478	530	603
5%	648	783	889	837	750	669	607	532	470	447	517	562
10%	637	762	841	806	701	649	597	520	441	436	485	545
25%	595	616	780	766	623	593	572	509	379	339	437	522
50%	533	521	692	641	540	539	543	457	351	297	362	488
75%	289	317	526	480	441	408	340	316	313	257	278	309
99.9%	247	237	162	119	125	110	99	98	99	181	200	231

Table 5B-6b. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	462	494	650	614	522	494	454	401	333	308	363	427
Wet Water Years	440	440	529	476	386	333	280	255	242	243	269	290
Above Normal Water Years	480	514	698	633	524	496	436	371	323	266	282	315
Below Normal Water Years	421	450	637	639	551	537	486	424	347	292	372	516
Dry Water Years	447	484	709	691	597	576	574	505	366	344	457	509
Critical Water Years	566	654	782	722	632	627	583	523	447	428	453	529

Table 5B-6c. Banks Pumping Plant, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project minus Baseline Conditions

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	-16	3	-8	-1	-1	-45	-42	-23	4	-2	-5	23
1%	15	7	0	-4	-10	-15	1	6	-10	5	-2	10
5%	5	14	-11	-4	-16	2	-6	-9	-1	-3	28	-7
10%	19	5	-1	-8	-34	11	-3	-6	-3	8	14	-1
25%	1	-20	-10	-6	13	15	-8	-3	2	2	9	6
50%	-4	-2	-2	10	7	12	15	14	9	-2	-10	21
75%	3	0	3	3	-2	7	-1	-11	4	-1	5	13
99.9%	1	0	0	0	0	0	0	0	0	0	0	-5

Table 5B-6d. Banks Pumping Plant, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project minus Baseline Conditions

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

Table 5B-7a. Jones Pumping Plant, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Baseline Conditions

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	708	828	953	892	972	822	674	592	509	492	558	604
1%	671	792	918	890	914	815	650	577	505	482	545	599
5%	641	767	867	873	804	706	634	559	486	458	510	577
10%	628	751	846	810	739	674	626	547	461	443	485	558
25%	601	658	775	771	640	611	604	524	407	373	449	528
50%	558	568	704	651	558	559	555	450	375	346	401	487
75%	362	405	562	510	452	403	339	327	346	309	327	354
99.9%	264	249	167	124	135	114	103	100	101	176	194	268

Table 5B-7b. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), Baseline Conditions

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	497	543	661	626	538	510	469	412	355	346	390	448
Wet Water Years	478	498	549	495	397	340	281	262	254	283	309	333
Above Normal Water Years	512	565	715	645	546	508	439	386	348	325	327	354
Below Normal Water Years	468	513	647	648	568	548	501	424	376	342	410	538
Dry Water Years	489	536	716	696	608	595	600	519	392	378	465	505
Critical Water Years	571	664	778	735	660	664	620	548	468	438	459	529

Table 5B-8a. Jones Pumping Plant, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	697	831	948	894	972	817	652	580	513	490	558	620
1%	689	799	924	886	905	789	651	578	499	485	540	606
5%	649	775	854	873	776	708	632	557	485	460	533	571
10%	638	757	833	794	728	680	626	543	458	445	491	558
25%	603	648	775	764	643	624	604	523	407	372	453	534
50%	543	564	705	657	565	571	561	453	380	344	397	500
75%	366	406	561	513	458	407	339	317	349	310	332	366
99.9%	265	249	167	124	135	114	103	100	101	176	194	266

Table 5B-8b. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	498	543	660	625	540	514	469	408	355	345	394	455
Wet Water Years	480	501	552	496	398	339	281	256	254	283	311	341
Above Normal Water Years	515	565	716	653	549	513	439	374	349	323	335	369
Below Normal Water Years	466	511	647	648	572	557	502	425	375	339	406	531
Dry Water Years	487	530	711	693	616	605	601	518	396	380	476	524
Critical Water Years	578	668	772	727	651	664	617	544	465	439	461	534

Table 5B-8c. Jones Pumping Plant, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project minus Baseline Conditions

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	-12	3	-5	2	-1	-6	-22	-12	4	-2	0	16
1%	18	8	6	-4	-8	-27	1	1	-6	4	-5	7
5%	7	8	-13	0	-29	2	-2	-2	-1	2	24	-6
10%	10	6	-13	-16	-11	5	0	-4	-3	3	7	0
25%	3	-10	-1	-7	4	13	0	-1	0	-1	4	6
50%	-14	-4	0	6	7	11	6	3	5	-2	-4	13
75%	4	1	-1	3	6	4	0	-11	3	1	5	13
99.9%	1	0	0	0	0	0	0	0	0	0	0	-2

Table 5B-8d. Jones Pumping Plant, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project minus Baseline Conditions

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

Table 5B-9a. San Joaquin River at Jersey Point, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Baseline Conditions

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	2327	2647	2690	1888	1714	743	546	635	1051	1554	1658	1964
1%	2222	2644	2685	1862	1537	691	463	600	905	1387	1641	1932
5%	2102	2490	2321	1651	952	484	370	453	780	1249	1523	1846
10%	2007	2212	2144	1565	728	340	313	372	578	1120	1438	1804
25%	1752	1890	1993	1161	390	270	272	292	385	888	1257	1729
50%	1519	1405	1519	503	268	241	246	258	285	627	1084	1536
75%	325	882	518	237	224	224	229	222	211	315	640	525
99.9%	193	202	191	172	183	167	150	150	155	179	192	190

Table 5B-9b. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), Baseline Conditions

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	1140	1358	1304	706	381	270	257	274	338	633	953	1187
Wet Water Years	1013	1062	674	310	229	216	211	202	204	279	497	450
Above Normal Water Years	1120	1476	1268	452	245	230	243	234	239	342	633	497
Below Normal Water Years	981	1183	1466	768	330	250	257	265	312	677	1209	1760
Dry Water Years	1109	1421	1683	987	474	294	265	281	373	989	1279	1626
Critical Water Years	1644	1979	1774	1157	698	392	343	440	645	951	1244	1685

Table 5B-10a. San Joaquin River at Jersey Point, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	2331	2656	2697	1807	1658	567	479	617	1039	1545	1720	1966
1%	2233	2648	2684	1753	1108	550	445	602	930	1476	1668	1919
5%	2128	2455	2321	1554	870	431	353	474	798	1277	1573	1879
10%	2025	2170	2153	1472	647	328	312	387	591	1154	1492	1824
25%	1793	1883	1954	1099	372	270	272	292	370	895	1242	1732
50%	1517	1498	1450	496	265	241	243	255	272	618	1104	1597
75%	336	833	505	237	224	225	230	218	207	308	684	605
99.9%	193	202	192	172	183	167	150	149	155	179	192	190

Table 5B-10b. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	1155	1359	1297	678	361	263	255	273	335	631	993	1226
Wet Water Years	1039	1084	681	306	228	216	210	201	203	277	546	522
Above Normal Water Years	1150	1449	1315	460	246	232	241	229	233	346	709	559
Below Normal Water Years	973	1189	1459	737	323	251	256	259	300	646	1175	1741
Dry Water Years	1098	1418	1658	970	443	277	259	278	365	1009	1372	1683
Critical Water Years	1695	1954	1733	1048	624	368	340	448	655	954	1265	1703

Table 5B-10c. San Joaquin River at Jersey Point, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project minus Baseline Conditions

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	4	9	8	-81	-57	-176	-67	-19	-12	-9	62	2
1%	10	3	-1	-109	-429	-141	-18	2	25	88	26	-13
5%	27	-35	0	-97	-82	-53	-17	21	18	28	50	33
10%	18	-42	9	-94	-81	-12	0	16	13	35	54	20
25%	40	-7	-39	-62	-18	0	0	0	-15	7	-15	3
50%	-2	94	-68	-6	-3	0	-3	-2	-13	-9	20	61
75%	11	-49	-12	0	0	1	1	-4	-4	-7	45	80
99.9%	0	0	0	0	0	0	0	0	0	0	0	1

Table 5B-10d. San Joaquin River at Jersey Point, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project minus Baseline Conditions

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	15	1	-7	-28	-20	-7	-3	-1	-4	-2	39	40
Wet Water Years	25	22	6	-4	0	0	-1	-1	-2	-2	48	71
Above Normal Water Years	30	-26	47	8	1	2	-2	-5	-6	4	76	61
Below Normal Water Years	-8	6	-7	-30	-7	1	-1	-5	-12	-31	-34	-19
Dry Water Years	-11	-2	-25	-17	-32	-18	-6	-3	-8	20	93	58
Critical Water Years	51	-25	-41	-109	-74	-24	-3	8	10	3	21	19

Table 5B-11a. San Joaquin River at Prisoners Point, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Baseline Conditions

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	630	735	907	719	620	450	441	368	317	359	403	474
1%	549	697	866	706	619	449	413	364	314	335	400	471
5%	496	625	769	656	489	372	392	346	285	318	383	437
10%	487	556	734	602	432	335	367	328	265	306	363	428
25%	423	464	670	518	342	301	339	313	241	270	326	389
50%	359	383	549	374	292	277	308	281	228	235	283	346
75%	210	264	311	276	258	262	278	257	218	203	226	220
99.9%	199	210	181	152	165	140	119	117	115	175	188	190

Table 5B-11b. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), Baseline Conditions

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	334	381	509	398	316	282	302	273	227	239	280	316
Wet Water Years	319	334	363	296	273	252	241	212	195	197	217	215
Above Normal Water Years	330	422	526	350	297	300	328	274	228	205	225	219
Below Normal Water Years	304	339	524	407	318	294	342	304	231	238	315	421
Dry Water Years	331	372	602	480	330	277	318	301	234	279	337	365
Critical Water Years	410	510	623	496	389	316	324	306	275	285	314	368

Table 5B-12a. San Joaquin River at Prisoners Point, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	614	734	905	717	617	454	428	344	316	356	411	463
1%	549	678	866	688	588	387	420	339	315	350	410	462
5%	510	612	756	628	466	366	383	333	287	322	397	435
10%	491	554	738	593	424	330	367	322	264	306	381	423
25%	417	465	662	499	342	310	339	301	240	267	326	398
50%	357	386	545	366	292	281	311	275	229	230	287	351
75%	213	267	316	276	259	265	278	243	219	203	231	229
99.9%	199	210	182	152	165	140	119	117	115	175	188	190

Table 5B-12b. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	334	378	506	391	313	284	301	265	227	239	286	321
Wet Water Years	320	339	367	296	273	252	240	205	195	197	220	222
Above Normal Water Years	332	411	532	354	299	306	324	262	227	206	235	228
Below Normal Water Years	300	337	524	401	319	303	341	292	229	235	313	412
Dry Water Years	323	368	593	472	329	280	319	296	234	282	353	377
Critical Water Years	419	499	609	471	371	311	319	301	275	285	318	373

Table 5B-12c. San Joaquin River at Prisoners Point, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project minus Baseline Conditions

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	-16	-1	-2	-2	-3	4	-13	-24	-1	-3	8	-11
1%	0	-19	0	-17	-31	-61	7	-26	2	14	9	-9
5%	14	-13	-13	-29	-23	-6	-10	-13	3	4	13	-2
10%	3	-2	4	-9	-8	-5	0	-6	-1	0	18	-5
25%	-6	1	-8	-19	0	9	0	-12	-2	-3	1	9
50%	-2	2	-5	-8	0	4	3	-5	1	-5	4	5
75%	3	2	5	0	1	3	0	-14	1	0	5	9
99.9%	0	0	1	0	0	0	0	0	0	0	0	0

Table 5B-12d. San Joaquin River at Prisoners Point, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project minus Baseline Conditions

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	0	-3	-3	-7	-3	2	-1	-8	0	0	6	5
Wet Water Years	1	4	3	0	0	0	-2	-7	0	0	4	8
Above Normal Water Years	2	-10	6	4	2	5	-4	-12	0	1	10	9
Below Normal Water Years	-5	-2	0	-6	1	9	0	-12	-2	-2	-2	-8
Dry Water Years	-7	-4	-9	-8	-1	3	1	-6	0	3	15	12
Critical Water Years	10	-11	-14	-26	-18	-5	-4	-6	0	0	4	5

Table B-13a. San Joaquin River at San Andreas Landing, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Baseline Conditions

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	700	905	944	740	648	398	325	314	327	361	431	482
1%	693	870	916	726	645	353	292	304	308	349	415	467
5%	636	763	810	666	435	286	275	274	279	317	390	442
10%	612	673	790	625	378	258	269	261	245	305	367	434
25%	486	515	713	511	259	235	246	248	217	264	325	411
50%	384	423	578	302	228	219	235	232	206	231	300	382
75%	196	281	264	207	202	203	211	203	190	193	223	212
99.9%	186	187	176	175	171	175	162	159	153	176	181	180

Table B-13b. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), Baseline Conditions

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	366	421	517	359	257	224	230	226	209	233	283	325
Wet Water Years	333	343	327	226	197	197	198	188	184	189	210	205
Above Normal Water Years	362	483	524	275	215	209	226	214	198	195	221	211
Below Normal Water Years	326	365	554	375	246	223	243	237	208	230	309	415
Dry Water Years	364	414	632	466	292	235	242	243	214	274	342	392
Critical Water Years	487	607	662	497	363	273	262	269	261	289	345	420

Table 5B-14a. San Joaquin River at San Andreas Landing, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	701	904	944	725	625	333	298	304	325	357	451	506
1%	694	857	916	717	457	318	291	303	310	348	436	485
5%	636	761	800	654	416	280	276	272	284	320	405	446
10%	621	656	783	605	352	254	268	260	248	309	384	434
25%	475	500	713	489	262	237	247	243	214	262	334	412
50%	378	425	575	299	228	221	231	229	203	225	301	388
75%	199	283	263	208	202	204	211	198	190	192	229	221
99.9%	186	187	176	175	171	175	162	159	153	176	181	180

Table 5B-14b. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	366	417	514	350	251	223	229	223	209	233	290	331
Wet Water Years	336	347	329	225	197	197	196	186	183	189	215	213
Above Normal Water Years	366	469	534	276	215	210	224	209	196	196	232	218
Below Normal Water Years	317	364	553	367	245	225	242	231	205	227	307	408
Dry Water Years	354	410	624	460	283	232	241	240	213	277	360	405
Critical Water Years	501	591	646	466	339	265	260	267	262	290	351	426

Table 5B-14c. San Joaquin River at San Andreas Landing, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project minus Baseline Conditions

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	1	-2	0	-16	-23	-65	-27	-10	-2	-4	20	25
1%	0	-12	0	-9	-188	-36	-2	-2	1	-1	21	17
5%	0	-2	-10	-13	-19	-6	0	-2	5	3	15	4
10%	9	-16	-7	-20	-26	-4	-2	-1	3	3	17	0
25%	-11	-16	0	-22	3	2	1	-5	-2	-2	9	1
50%	-6	2	-3	-3	0	1	-4	-3	-3	-6	2	5
75%	3	2	-1	0	0	1	0	-4	0	-1	6	9
99.9%	0	0	0	0	0	0	0	0	0	0	0	0

Table 5B-14d. San Joaquin River at San Andreas Landing, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project minus Baseline Conditions

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	-1	-4	-3	-8	-6	-1	-1	-3	-1	0	7	5
Wet Water Years	3	4	3	-1	0	0	-1	-2	0	0	5	8
Above Normal Water Years	4	-14	10	1	0	1	-2	-4	-1	1	11	7
Below Normal Water Years	-8	0	-1	-8	-1	2	-1	-5	-2	-2	-2	-7
Dry Water Years	-10	-4	-9	-7	-9	-3	-1	-3	0	3	18	13
Critical Water Years	14	-16	-16	-31	-23	-7	-3	-2	1	0	6	6

Table 5B-15a. San Joaquin River at Vernalis, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Baseline Conditions

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	760	993	1000	1000	1000	996	616	568	631	663	645	645
1%	739	936	1000	1000	1000	967	615	567	629	658	644	641
5%	700	799	891	896	938	839	610	563	615	653	638	636
10%	689	767	770	764	736	820	601	554	603	642	634	628
25%	667	739	733	708	713	795	588	507	583	616	611	616
50%	637	717	711	688	682	726	522	427	533	578	575	584
75%	524	677	666	609	450	383	324	317	435	508	544	561
99.9%	273	220	131	102	98	98	95	95	95	168	186	306

Table 5B-15b. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), Baseline Conditions

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	601	707	688	643	590	601	448	400	469	532	548	566
Wet Water Years	583	682	632	538	402	340	267	253	295	392	440	485
Above Normal Water Years	619	741	758	701	625	551	420	369	449	529	552	563
Below Normal Water Years	585	706	683	662	630	647	472	406	511	571	579	589
Dry Water Years	596	703	707	682	693	794	577	507	584	611	603	608
Critical Water Years	648	735	729	722	721	802	599	543	595	635	629	630

Table 5B-16a. San Joaquin River at Vernalis, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	761	994	1000	1000	1000	996	616	568	632	664	645	645
1%	741	944	1000	1000	1000	967	615	567	629	658	644	641
5%	700	795	891	893	939	839	610	564	615	654	639	636
10%	687	768	769	765	735	820	601	554	603	643	636	629
25%	667	741	733	708	713	795	588	507	583	617	613	617
50%	636	717	711	688	682	726	523	427	533	578	575	585
75%	524	677	667	609	450	383	324	317	435	508	544	561
99.9%	273	220	131	102	98	98	95	95	95	168	186	306

Table 5B-16b. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	601	707	689	643	590	601	448	400	469	532	548	566
Wet Water Years	584	683	632	538	402	340	267	253	295	391	441	486
Above Normal Water Years	620	741	758	701	625	551	420	369	449	529	552	563
Below Normal Water Years	585	706	683	662	630	647	472	406	511	571	579	589
Dry Water Years	596	704	708	683	693	794	577	507	584	612	606	609
Critical Water Years	647	734	729	722	721	802	599	543	595	636	630	630

Table 5B-16c. San Joaquin River at Vernalis, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project minus Baseline Conditions

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	1	1	0	0	0	0	0	0	1	0	0	0
1%	2	9	0	0	0	0	0	0	0	0	0	0
5%	0	-4	0	-3	0	0	0	0	1	0	0	0
10%	-2	1	0	1	0	0	0	0	0	1	1	1
25%	0	2	0	0	0	0	0	0	0	1	2	1
50%	-1	0	0	0	0	0	0	0	0	0	0	1
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 5B-16d. San Joaquin River at Vernalis, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project minus Baseline Conditions

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

Table 5B-17a. San Joaquin River at Brandt Bridge, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Baseline Conditions

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	751	980	992	995	992	983	633	576	627	653	651	647
1%	733	922	990	994	991	955	631	576	625	652	650	643
5%	695	792	887	891	932	837	621	570	613	647	643	639
10%	685	762	776	766	736	814	617	562	603	639	639	631
25%	665	735	738	715	715	791	603	513	581	614	615	618
50%	635	713	717	694	687	727	533	432	530	577	577	585
75%	526	670	673	623	458	388	326	318	433	505	544	560
99.9%	274	226	142	106	111	99	96	96	96	169	187	304

Table 5B-17b. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), Baseline Conditions

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	599	702	691	648	593	601	457	404	468	531	550	567
Wet Water Years	582	678	636	543	407	342	270	254	295	391	441	485
Above Normal Water Years	617	734	760	708	629	555	426	372	448	528	553	564
Below Normal Water Years	584	701	685	666	634	646	481	411	509	570	581	590
Dry Water Years	595	698	709	687	695	790	591	513	582	611	606	610
Critical Water Years	646	730	732	727	724	799	615	550	595	634	634	632

Table 5B-18a. San Joaquin River at Brandt Bridge, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	752	980	992	995	992	983	633	576	628	653	651	647
1%	735	930	990	994	991	955	631	576	625	652	651	643
5%	695	789	887	887	933	837	622	571	613	647	644	639
10%	684	763	776	767	736	814	617	562	603	639	639	632
25%	665	737	740	715	716	791	603	513	582	614	616	619
50%	634	713	716	694	687	727	533	432	530	577	577	586
75%	526	671	672	623	458	388	326	318	433	505	544	560
99.9%	274	226	142	106	111	99	96	96	96	169	187	304

Table 5B-18b. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	599	702	692	648	593	601	457	405	468	531	550	567
Wet Water Years	582	678	636	543	407	342	270	254	295	391	441	485
Above Normal Water Years	618	735	761	708	630	555	426	372	448	528	553	564
Below Normal Water Years	583	701	685	666	634	646	481	411	509	570	581	590
Dry Water Years	595	698	710	688	695	790	591	514	582	612	609	611
Critical Water Years	645	729	733	727	724	799	615	550	595	634	634	633

Table 5B-18c. San Joaquin River at Brandt Bridge, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project minus Baseline Conditions

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	1	1	0	0	0	0	0	0	1	0	0	0
1%	2	8	0	0	0	0	0	0	0	0	0	0
5%	0	-4	0	-3	0	0	0	0	0	0	0	0
10%	-1	0	0	1	0	0	0	0	0	0	1	0
25%	0	2	2	0	1	0	0	0	0	0	1	1
50%	-1	0	0	0	0	0	0	0	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 5B-18d. San Joaquin River at Brandt Bridge, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project minus Baseline Conditions

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

Table 5B-19a. Old River near Middle River, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Baseline Conditions

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	754	981	994	998	995	989	630	576	631	661	654	649
1%	735	925	993	997	994	961	628	576	628	658	654	646
5%	697	795	889	893	935	839	621	571	615	653	646	641
10%	687	766	772	770	743	820	615	563	606	644	640	633
25%	667	737	738	718	719	796	601	514	584	617	616	619
50%	637	716	717	697	691	730	533	433	533	579	578	586
75%	528	673	674	624	461	391	327	320	436	508	545	562
99.9%	275	227	144	107	112	101	96	96	97	170	188	305

Table 5B-19b. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), Baseline Conditions

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	601	704	693	651	597	605	457	405	470	533	551	568
Wet Water Years	583	680	637	546	410	345	271	255	296	392	442	487
Above Normal Water Years	619	737	761	710	633	557	427	373	450	530	554	565
Below Normal Water Years	585	703	687	669	638	650	481	412	512	572	581	591
Dry Water Years	597	701	711	690	700	795	589	514	585	614	607	611
Critical Water Years	648	733	734	729	729	803	613	550	598	638	637	635

Table 5B-20a. Old River near Middle River, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	756	982	994	999	995	989	630	577	631	661	655	650
1%	737	933	993	997	994	961	629	576	628	657	654	646
5%	697	791	889	890	935	839	620	571	615	653	647	641
10%	686	766	772	771	743	820	615	563	606	644	640	634
25%	667	740	738	718	720	796	601	514	584	617	617	621
50%	636	716	716	697	691	731	533	433	534	579	578	587
75%	528	673	674	624	461	391	327	320	436	508	545	562
99.9%	275	227	144	107	112	101	96	96	97	169	188	305

Table 5B-20b. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	601	704	693	651	597	605	457	405	470	533	552	569
Wet Water Years	584	681	638	546	410	345	271	255	296	392	442	487
Above Normal Water Years	619	738	762	710	633	558	427	373	450	530	554	565
Below Normal Water Years	585	703	687	669	638	650	481	412	512	572	582	591
Dry Water Years	597	701	712	691	700	795	590	514	585	615	610	613
Critical Water Years	647	732	734	730	729	803	613	550	598	638	637	635

Table 5B-20c. Old River near Middle River, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project minus Baseline Conditions

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	1	1	0	0	0	0	0	0	1	0	0	0
1%	2	9	0	0	0	0	0	0	0	0	0	0
5%	0	-4	0	-3	0	0	0	0	0	0	0	0
10%	-1	0	0	1	0	0	0	0	0	0	1	1
25%	1	2	0	0	1	0	0	0	0	0	1	2
50%	-1	0	-2	0	0	0	0	0	0	0	0	1
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 5B-20d. Old River near Middle River, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project minus Baseline Conditions

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

Table 5B-21a. Old River at Tracy Bridge, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Baseline Conditions

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	744	961	990	1024	1008	988	661	597	576	615	609	599
1%	729	908	985	1000	1000	961	660	595	575	610	608	593
5%	683	787	894	891	936	856	653	589	571	601	593	583
10%	675	763	799	789	784	832	642	580	566	590	584	580
25%	660	732	751	745	752	815	628	530	552	567	563	560
50%	637	710	727	711	724	752	558	449	512	507	490	538
75%	533	669	685	647	489	422	338	329	440	439	443	503
99.9%	279	238	163	118	121	111	102	99	100	174	192	305

Table 5B-21b. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), Baseline Conditions

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	599	699	705	674	628	623	477	418	453	481	484	522
Wet Water Years	583	679	653	570	437	363	282	264	302	401	453	485
Above Normal Water Years	614	729	772	740	665	583	443	385	455	539	555	527
Below Normal Water Years	582	700	697	691	670	671	502	425	508	553	522	548
Dry Water Years	597	695	721	712	731	809	617	530	546	502	468	546
Critical Water Years	642	722	745	750	760	818	641	569	536	469	467	523

Table 5B-22a. Old River at Tracy Bridge, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	745	962	990	1025	1008	988	661	597	572	614	609	602
1%	731	917	985	1005	1000	961	660	595	569	609	608	600
5%	685	784	894	890	936	856	653	588	564	599	593	587
10%	673	763	799	789	784	832	642	580	560	593	583	584
25%	659	733	751	745	753	816	628	530	547	567	566	560
50%	636	710	727	712	724	752	558	448	510	505	491	537
75%	532	669	685	647	489	422	338	329	440	434	446	507
99.9%	279	238	163	118	121	111	102	99	100	174	192	305

Table 5B-22b. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	599	699	705	674	628	623	477	418	451	480	485	524
Wet Water Years	584	679	654	571	437	363	282	264	302	401	453	486
Above Normal Water Years	616	729	772	740	666	583	443	385	455	540	556	527
Below Normal Water Years	582	700	697	691	670	671	502	425	505	550	519	546
Dry Water Years	597	695	722	713	732	809	617	530	540	501	472	554
Critical Water Years	641	721	745	750	761	818	641	568	533	469	468	527

Table 5B-22c. Old River at Tracy Bridge, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project minus Baseline Conditions

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

Table 5B-22d. Old River at Tracy Bridge, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project minus Baseline Conditions

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

Table 5B-23a. Sacramento River at Rio Vista, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Baseline Conditions

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	583	648	441	441	343	259	228	269	358	350	419	459
1%	557	643	433	366	314	236	219	249	343	350	415	457
5%	503	580	385	295	229	211	206	226	309	323	387	437
10%	468	503	356	275	207	200	199	208	262	263	370	403
25%	375	363	297	224	196	190	193	191	201	217	276	335
50%	285	232	231	191	187	186	186	184	191	193	218	250
75%	185	206	186	182	182	180	181	179	181	183	195	188
99.9%	178	178	177	177	177	178	177	176	176	177	178	177

Table 5B-23b. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), Baseline Conditions

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	294	301	249	213	193	188	188	189	203	210	245	269
Wet Water Years	258	237	194	185	180	180	180	179	181	182	191	186
Above Normal Water Years	305	319	229	189	184	182	182	181	184	183	193	188
Below Normal Water Years	275	270	268	208	190	186	188	185	194	194	221	261
Dry Water Years	288	302	270	229	199	192	192	190	201	214	272	324
Critical Water Years	389	452	310	265	221	206	204	220	273	296	377	416

Table 5B-24a. Sacramento River at Rio Vista, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	567	649	441	434	335	233	221	266	356	349	419	469
1%	559	646	432	362	244	230	219	249	347	346	417	459
5%	502	584	385	294	226	203	206	227	317	320	389	437
10%	476	503	357	268	205	198	198	210	267	269	364	401
25%	372	359	295	222	195	190	193	191	202	216	286	339
50%	282	236	229	192	187	186	186	184	191	193	218	247
75%	186	207	186	182	181	180	181	179	181	182	197	188
99.9%	178	178	177	177	177	178	177	176	176	177	178	177

Table 5B-24b. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	296	303	248	211	192	188	188	189	204	210	248	271
Wet Water Years	260	237	194	184	180	180	180	179	180	182	193	187
Above Normal Water Years	306	319	232	189	184	182	182	180	184	184	197	188
Below Normal Water Years	274	272	267	206	190	186	187	185	193	193	221	261
Dry Water Years	291	300	270	229	198	190	191	189	202	215	281	330
Critical Water Years	394	458	302	257	214	203	204	221	277	296	376	417

Table 5B-24c. Sacramento River at Rio Vista, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project minus Baseline Conditions

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	-16	1	1	-7	-8	-26	-7	-3	-2	-1	0	10
1%	2	3	-1	-3	-70	-6	0	1	3	-5	1	2
5%	-1	4	0	-1	-3	-8	0	1	8	-3	3	0
10%	8	1	1	-8	-2	-1	-1	2	5	6	-6	-1
25%	-2	-4	-2	-2	0	0	0	0	0	-1	10	4
50%	-3	4	-2	0	0	0	0	0	-1	0	0	-3
75%	1	1	0	0	0	0	0	0	0	0	2	0
99.9%	0	0	0	0	0	0	0	0	0	0	0	0

Table 5B-24d. Sacramento River at Rio Vista, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project minus Baseline Conditions

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

Table 5B-25a. Sacramento River at Threemile Slough, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Baseline Conditions

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	2107	2246	1408	1282	984	549	445	637	1033	1027	1361	1727
1%	2056	2236	1350	1139	818	432	381	583	997	1011	1330	1676
5%	1833	2060	1145	759	390	273	310	437	843	932	1264	1579
10%	1722	1707	1039	651	278	239	258	345	610	669	1179	1440
25%	1260	1140	766	381	218	199	217	238	324	401	764	1101
50%	767	479	396	229	194	191	195	196	255	275	422	604
75%	231	337	209	184	182	182	185	183	188	212	289	243
99.9%	179	179	177	177	177	178	177	175	174	177	180	178

Table 5B-25b. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), Baseline Conditions

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	804	799	514	330	229	206	212	233	314	362	556	703
Wet Water Years	619	495	252	202	181	182	183	182	193	206	269	235
Above Normal Water Years	858	867	425	212	187	184	188	187	213	216	281	243
Below Normal Water Years	703	663	608	311	205	192	201	203	272	281	440	655
Dry Water Years	774	822	615	405	250	212	217	229	318	399	721	1037
Critical Water Years	1284	1467	806	574	350	273	289	404	661	810	1209	1499

Table 5B-26a. Sacramento River at Threemile Slough, Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	2060	2238	1394	1248	945	416	413	623	1026	1015	1362	1776
1%	2055	2235	1375	1029	466	387	384	588	1007	1011	1334	1734
5%	1832	2067	1140	756	399	259	311	447	851	930	1267	1580
10%	1724	1707	1047	617	267	237	251	357	643	685	1155	1439
25%	1248	1155	764	378	219	199	218	234	325	400	794	1105
50%	785	498	400	228	194	191	194	195	250	275	425	579
75%	234	340	208	184	182	182	185	182	187	211	304	245
99.9%	179	179	177	177	177	178	177	175	174	177	180	178

Table 5B-26b. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	816	805	509	322	222	202	211	233	317	363	570	715
Wet Water Years	635	497	253	200	181	182	183	183	192	206	282	239
Above Normal Water Years	870	868	437	212	187	184	188	186	210	217	303	243
Below Normal Water Years	699	675	605	303	205	192	200	203	268	276	438	662
Dry Water Years	789	819	615	407	243	206	214	226	324	405	761	1075
Critical Water Years	1309	1489	770	535	317	260	289	409	677	815	1205	1505

Table 5B-26c. Sacramento River at Threemile Slough, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project minus Baseline Conditions

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	-47	-8	-14	-33	-39	-133	-32	-14	-7	-11	1	49
1%	-1	-1	25	-110	-352	-45	4	5	10	0	5	58
5%	-1	6	-5	-2	9	-14	1	11	7	-2	3	1
10%	2	0	8	-34	-10	-2	-7	12	33	16	-24	0
25%	-13	15	-2	-3	1	1	1	-4	1	-1	29	4
50%	18	19	5	-1	0	0	-1	-1	-5	0	2	-26
75%	3	2	-1	0	0	0	0	-1	0	-1	15	2
99.9%	0	0	0	0	0	0	0	0	0	0	0	0

Table 5B-26d. Sacramento River at Threemile Slough, Difference in Monthly Average Electrical Conductivity (in micromhos per centimeter), Proposed Project minus Baseline Conditions

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	13	6	-5	-8	-7	-4	-1	0	3	1	14	12
Wet Water Years	16	2	1	-2	0	0	0	0	-1	0	13	5
Above Normal Water Years	12	1	12	0	0	0	0	-1	-2	1	22	0
Below Normal Water Years	-4	13	-3	-8	0	0	-1	0	-3	-5	-2	6
Dry Water Years	15	-3	0	2	-7	-7	-3	-3	6	6	40	37
Critical Water Years	25	22	-36	-38	-33	-14	0	5	16	4	-3	6

Table 5B-27a. Sacramento River at Collinsville, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Baseline Conditions

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	12.2	12.7	10.0	8.6	8.0	5.1	4.7	5.2	7.3	7.9	9.1	11.2
1%	12.2	12.6	9.9	8.3	7.0	4.1	3.6	5.1	7.1	7.8	9.1	11.1
5%	11.8	12.3	9.3	7.0	3.9	2.6	2.8	4.0	6.5	7.5	8.7	10.8
10%	11.5	11.4	8.7	6.2	2.3	1.8	2.2	3.2	5.0	6.9	8.4	10.5
25%	9.9	9.5	7.7	3.9	1.2	0.6	1.1	1.9	3.3	4.9	7.1	9.2
50%	7.0	5.6	4.4	1.1	0.3	0.3	0.4	0.5	2.1	3.5	5.4	6.5
75%	2.3	3.9	0.8	0.2	0.2	0.2	0.2	0.2	0.6	2.0	3.4	2.5
99.9%	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3

Table 5B-27b. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), Baseline Conditions

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	6.3	6.6	4.4	2.2	1.0	0.7	0.8	1.2	2.3	3.6	5.3	6.0
Wet Water Years	5.1	4.6	1.5	0.5	0.2	0.2	0.2	0.3	0.7	1.5	2.9	2.2
Above Normal Water Years	6.5	6.7	4.0	0.7	0.2	0.2	0.2	0.4	1.2	2.2	3.6	2.4
Below Normal Water Years	5.6	5.9	5.2	2.2	0.7	0.4	0.5	0.7	2.2	3.5	5.5	6.7
Dry Water Years	6.2	7.1	5.6	3.6	1.4	0.9	1.1	1.6	3.1	4.9	6.9	8.8
Critical Water Years	9.3	10.1	7.1	4.6	2.6	2.0	2.4	3.6	5.3	6.8	8.5	10.7

Table 5B-28a. Sacramento River at Collinsville, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Proposed Project

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	12.2	12.7	10.0	8.1	7.7	4.0	4.4	5.2	7.3	7.9	9.4	11.4
1%	12.2	12.6	9.8	7.3	4.8	3.6	3.6	5.1	7.1	7.7	9.1	11.2
5%	11.8	12.3	9.2	6.7	3.9	2.3	2.9	4.2	6.5	7.5	8.7	10.8
10%	11.5	11.4	8.8	5.9	2.2	1.7	2.2	3.3	5.2	7.0	8.4	10.5
25%	9.9	9.5	7.4	3.9	1.2	0.5	1.1	1.9	3.3	4.8	7.2	9.4
50%	7.5	5.7	4.3	1.1	0.3	0.3	0.4	0.6	2.1	3.3	5.2	6.7
75%	2.4	4.0	0.8	0.2	0.2	0.2	0.2	0.2	0.6	1.9	3.6	2.5
99.9%	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3

Table 5B-28b. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), Proposed Project

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	6.4	6.6	4.3	2.1	0.9	0.6	0.8	1.3	2.3	3.5	5.4	6.2
Wet Water Years	5.3	4.6	1.5	0.5	0.2	0.2	0.2	0.4	0.7	1.5	3.1	2.3
Above Normal Water Years	6.6	6.7	4.1	0.7	0.2	0.2	0.2	0.4	1.2	2.1	3.8	2.4
Below Normal Water Years	5.6	6.0	5.1	2.1	0.7	0.4	0.5	0.8	2.2	3.3	5.2	7.1
Dry Water Years	6.3	7.1	5.6	3.6	1.3	0.8	1.1	1.6	3.1	4.9	7.0	9.2
Critical Water Years	9.5	10.1	6.9	4.3	2.3	1.9	2.4	3.7	5.4	6.9	8.5	10.7

Table 5B-28c. Sacramento River at Collinsville, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Proposed Project minus Baseline Conditions

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	0.0	0.0	0.0	-0.4	-0.2	-1.2	-0.2	0.0	0.0	0.0	0.2	0.2
1%	0.0	0.0	-0.1	-1.0	-2.2	-0.5	0.0	0.0	0.0	0.0	0.0	0.1
5%	0.0	0.0	-0.1	-0.3	-0.1	-0.4	0.0	0.1	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.2	-0.2	-0.1	-0.1	-0.1	0.1	0.2	0.1	0.0	0.0
25%	0.0	0.0	-0.3	0.0	0.0	-0.1	-0.1	0.0	0.0	-0.1	0.2	0.2
50%	0.5	0.1	-0.1	0.0	0.0	0.0	0.0	0.1	-0.1	-0.1	-0.2	0.2
75%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.2	0.0
99.9%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 5B-28d. Sacramento River at Collinsville, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), Proposed Project minus Baseline Conditions

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

Table 5B-29a. Montezuma Slough at National Steel, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Baseline Conditions

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	13.1	12.2	10.2	9.0	7.6	4.7	5.7	7.2	10.0	11.2	12.6	10.8
1%	11.8	12.1	9.7	8.7	6.7	4.4	5.7	7.1	9.7	11.2	12.5	10.8
5%	11.5	11.9	9.4	7.8	4.3	3.7	4.2	5.8	9.0	10.7	12.1	10.5
10%	11.2	11.0	9.0	6.4	3.3	2.6	3.6	4.5	6.7	10.2	11.8	10.2
25%	9.8	9.1	8.3	4.4	1.5	0.9	1.6	3.2	4.8	6.3	7.6	9.2
50%	8.4	7.3	5.6	1.7	0.5	0.4	0.6	0.9	2.7	3.7	5.3	7.7
75%	4.4	5.9	1.6	0.3	0.2	0.2	0.2	0.3	0.9	2.2	4.8	4.9
99.9%	0.7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5

Table 5B-30b. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), Baseline Conditions

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	7.3	7.2	5.0	2.6	1.2	0.9	1.2	1.9	3.3	4.5	6.4	7.1
Wet Water Years	6.2	5.3	2.1	0.6	0.2	0.2	0.3	0.4	0.9	2.2	4.4	4.4
Above Normal Water Years	7.2	7.5	5.2	1.4	0.4	0.3	0.3	0.5	1.6	2.0	3.4	3.8
Below Normal Water Years	6.9	6.7	6.0	2.6	0.9	0.6	0.7	1.2	2.9	3.3	5.2	8.0
Dry Water Years	7.5	7.8	6.4	4.0	1.7	1.3	1.8	2.7	4.5	6.1	7.9	9.0
Critical Water Years	9.5	10.0	7.3	5.2	2.9	2.4	3.5	5.2	7.5	9.7	11.7	10.3

Table 5B-30a. Montezuma Slough at National Steel, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Proposed Project

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	13.1	12.2	10.2	8.7	7.4	4.1	5.6	7.2	10.1	11.3	12.7	10.9
1%	11.8	12.1	9.7	8.5	4.6	3.7	4.7	6.9	9.7	11.3	12.5	10.8
5%	11.5	11.8	9.5	7.3	4.2	3.3	4.1	5.9	9.0	10.7	12.1	10.4
10%	11.1	11.0	8.9	6.4	3.1	2.3	3.7	4.6	6.9	10.3	11.8	10.2
25%	9.5	9.1	8.1	4.5	1.5	0.8	1.6	3.1	4.8	6.2	7.8	9.1
50%	7.5	7.3	5.7	1.6	0.5	0.4	0.6	1.0	2.8	3.6	5.3	6.6
75%	4.4	5.2	1.6	0.3	0.2	0.2	0.2	0.3	0.9	2.2	4.8	5.1
99.9%	0.7	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5

Table 5B-30b. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), Proposed Project

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	6.9	7.1	5.0	2.6	1.1	0.8	1.2	1.9	3.3	4.5	6.5	6.7
Wet Water Years	5.9	5.3	2.2	0.6	0.2	0.2	0.3	0.5	0.9	2.2	4.6	4.6
Above Normal Water Years	7.1	7.3	5.3	1.5	0.4	0.3	0.3	0.6	1.7	2.0	3.6	2.7
Below Normal Water Years	6.4	6.7	6.0	2.5	1.0	0.6	0.7	1.3	3.0	3.4	5.1	6.9
Dry Water Years	6.8	7.7	6.4	4.1	1.6	1.1	1.7	2.6	4.4	6.1	8.0	8.8
Critical Water Years	9.2	9.8	7.0	4.9	2.7	2.2	3.4	5.3	7.7	9.8	11.8	10.4

Table 5B-30c. Montezuma Slough at National Steel, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Proposed Project minus Baseline Conditions

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

Table 5B-30d. Montezuma Slough at National Steel, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), Proposed Project minus Baseline Conditions

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	-0.4	-0.1	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.1	-0.3
Wet Water Years	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.2
Above Normal Water Years	-0.1	-0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	-1.1
Below Normal Water Years	-0.5	-0.1	0.0	-0.1	0.0	0.0	0.0	0.1	0.1	0.0	-0.1	-1.1
Dry Water Years	-0.8	-0.1	0.0	0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.1	-0.2
Critical Water Years	-0.3	-0.1	-0.2	-0.3	-0.2	-0.2	-0.1	0.1	0.1	0.0	0.0	0.0

Table 5B-31a. Montezuma Slough near Beldon Landing, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Baseline Conditions

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	15.8	12.1	13.4	10.8	8.0	6.8	8.7	9.9	13.1	15.0	16.2	13.0
1%	15.1	12.1	13.0	10.6	7.7	6.7	8.5	9.6	12.4	14.7	16.1	12.1
5%	14.4	11.8	12.2	9.3	5.3	5.6	6.7	8.5	11.6	14.2	15.7	11.3
10%	11.7	11.1	11.5	7.9	4.1	3.7	5.9	6.8	9.3	13.1	15.4	11.0
25%	10.7	9.9	8.5	5.9	2.6	2.2	3.0	5.3	7.1	8.9	9.3	10.5
50%	8.6	9.1	7.0	2.7	1.1	0.9	1.2	1.9	4.2	4.1	6.9	9.3
75%	7.8	7.6	3.6	0.7	0.3	0.3	0.4	0.6	1.7	2.6	4.9	8.2
99.9%	1.6	0.6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	1.1	1.4

Table 5B-31b. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), Baseline Conditions

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	9.1	8.4	6.3	3.5	1.7	1.5	2.1	3.0	4.7	5.8	7.8	9.1
Wet Water Years	8.2	6.8	3.7	1.0	0.4	0.3	0.5	0.8	1.5	3.6	6.7	8.1
Above Normal Water Years	8.7	8.8	7.0	2.8	1.0	0.6	0.7	1.1	2.6	2.0	3.2	6.2
Below Normal Water Years	9.1	8.3	7.3	3.6	1.6	1.4	1.6	2.3	4.3	3.4	4.9	10.1
Dry Water Years	9.7	9.2	7.6	5.2	2.6	2.2	3.2	4.6	6.6	7.8	9.1	9.8
Critical Water Years	10.1	10.2	7.8	6.2	3.8	3.6	5.5	7.6	10.2	12.8	15.1	10.6

Table 5B-32a. Montezuma Slough near Beldon Landing, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Proposed Project

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	15.4	12.1	13.4	10.5	7.9	6.6	8.3	10.0	13.2	15.0	16.3	11.2
1%	11.7	12.1	13.0	10.4	7.5	6.3	7.1	9.4	12.3	14.8	16.1	11.0
5%	11.4	11.7	12.3	9.1	5.1	5.3	6.5	8.7	11.8	14.1	15.7	10.8
10%	11.0	11.1	11.1	8.3	4.3	3.6	5.9	7.0	9.3	13.2	15.4	10.6
25%	9.5	9.9	8.5	5.9	2.5	1.9	2.8	5.2	7.1	8.6	8.9	9.5
50%	8.2	8.6	6.8	2.7	1.0	0.8	1.2	2.1	4.4	4.4	7.4	8.9
75%	7.7	7.1	3.7	0.7	0.3	0.3	0.4	0.7	1.7	2.9	5.1	6.9
99.9%	1.4	0.6	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	1.1	1.5

Table 5B-32b. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), Proposed Project

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	8.0	8.2	6.3	3.5	1.7	1.5	2.1	3.1	4.8	5.9	8.0	8.0
Wet Water Years	7.2	6.6	3.7	1.0	0.4	0.3	0.5	0.9	1.6	3.5	6.9	8.4
Above Normal Water Years	8.2	8.5	7.1	2.9	1.0	0.5	0.6	1.2	2.7	2.4	3.8	3.4
Below Normal Water Years	7.9	8.0	7.5	3.6	1.7	1.4	1.5	2.4	4.5	3.9	5.2	7.1
Dry Water Years	7.9	8.9	7.6	5.4	2.5	2.1	3.1	4.5	6.4	7.9	9.3	8.8
Critical Water Years	9.4	10.0	7.6	6.1	3.7	3.3	5.3	7.7	10.3	12.9	15.2	10.6

Table 5B-32c. Montezuma Slough near Beldon Landing, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Proposed Project minus Baseline Conditions

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	-0.3	0.0	0.0	-0.3	0.0	-0.1	-0.4	0.1	0.0	0.0	0.1	-1.7
1%	-3.5	0.0	0.0	-0.1	-0.2	-0.4	-1.4	-0.2	-0.1	0.1	0.0	-1.1
5%	-3.0	0.0	0.1	-0.2	-0.2	-0.3	-0.2	0.2	0.1	0.0	0.0	-0.5
10%	-0.7	0.0	-0.4	0.3	0.2	-0.1	0.0	0.2	0.0	0.1	0.0	-0.4
25%	-1.1	0.0	0.0	0.0	0.0	-0.3	-0.2	-0.1	0.0	-0.3	-0.5	-1.1
50%	-0.4	-0.5	-0.1	0.0	-0.1	-0.1	0.0	0.2	0.2	0.4	0.5	-0.4
75%	-0.1	-0.5	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.3	-1.3
99.9%	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1

Table 5B-32d. Montezuma Slough near Beldon Landing, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), Proposed Project minus Baseline Conditions

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	-1.1	-0.2	0.0	0.0	0.0	-0.1	-0.1	0.0	0.1	0.2	0.2	-1.1
Wet Water Years	-0.9	-0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.3
Above Normal Water Years	-0.5	-0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.4	0.6	-2.9
Below Normal Water Years	-1.2	-0.2	0.2	0.0	0.1	0.0	-0.1	0.1	0.2	0.5	0.3	-2.9
Dry Water Years	-1.8	-0.3	0.0	0.2	-0.1	-0.1	-0.1	-0.1	-0.2	0.1	0.2	-1.0
Critical Water Years	-0.8	-0.2	-0.2	-0.1	0.0	-0.3	-0.2	0.1	0.1	0.1	0.0	0.0

Table 5B-33a. Chadbourne Slough near Sunrise Duck Club, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Baseline Conditions

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	16.4	13.9	13.8	12.1	10.9	8.0	9.6	10.7	13.9	15.5	16.9	14.2
1%	14.6	13.5	13.5	12.0	10.2	7.7	9.0	10.6	13.3	15.4	16.5	14.0
5%	14.1	13.1	12.2	11.0	7.5	6.8	7.7	9.4	12.6	15.0	16.1	13.6
10%	13.1	12.3	11.9	9.9	6.4	5.6	6.9	8.1	10.5	14.0	15.6	13.4
25%	12.2	11.1	10.7	8.2	4.9	3.8	4.9	6.4	8.3	9.7	10.4	11.8
50%	10.5	10.3	9.1	5.3	3.4	2.8	2.9	3.0	5.4	6.5	7.8	10.3
75%	8.6	8.9	5.8	2.1	1.4	1.6	1.8	1.8	2.7	4.3	6.1	9.2
99.9%	2.5	1.5	0.8	0.6	0.6	0.7	0.6	0.6	0.5	1.0	1.8	2.1

Table 5B-33b. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), Baseline Conditions

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	10.3	9.8	8.2	5.5	3.5	3.0	3.5	4.2	5.8	7.3	8.8	10.3
Wet Water Years	9.5	8.4	5.4	2.4	1.4	1.4	1.6	1.7	2.3	4.6	7.5	8.8
Above Normal Water Years	10.1	10.0	8.6	4.6	2.3	2.0	2.3	2.3	3.7	3.8	4.3	7.2
Below Normal Water Years	10.0	9.6	8.9	6.1	3.5	3.0	3.1	3.5	5.5	5.7	6.1	10.6
Dry Water Years	10.6	10.6	9.6	7.5	4.9	3.9	4.6	5.8	7.8	9.4	10.4	11.3
Critical Water Years	11.7	11.6	10.2	8.5	6.3	5.6	6.9	8.7	11.2	13.7	15.6	13.5

Table 5B-34a. Chadbourne Slough near Sunrise Duck Club, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Proposed Project

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	16.3	13.9	13.9	12.1	10.8	7.6	9.0	10.5	13.9	15.5	17.1	14.4
1%	13.3	13.5	13.4	11.8	9.0	7.5	8.6	10.4	13.2	15.5	16.4	14.0
5%	13.1	13.2	12.2	10.6	8.1	6.8	7.4	9.4	12.7	15.0	16.2	13.5
10%	12.7	12.3	11.8	10.0	6.5	5.6	6.9	8.2	10.5	14.1	15.6	13.3
25%	11.1	10.9	10.6	8.1	4.8	3.6	4.5	6.4	8.2	9.9	11.1	10.8
50%	9.7	10.1	9.0	5.3	3.3	2.7	2.9	3.3	5.7	7.5	8.4	10.0
75%	8.5	8.4	5.9	2.2	1.4	1.6	1.8	1.8	2.7	4.9	7.5	9.1
99.9%	2.6	1.6	0.7	0.6	0.6	0.7	0.6	0.6	0.6	1.0	1.8	2.3

Table 5B-34b. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), Proposed Project

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	9.5	9.5	8.1	5.5	3.5	2.9	3.4	4.2	5.8	7.7	9.6	9.9
Wet Water Years	8.6	8.1	5.3	2.4	1.4	1.4	1.6	1.8	2.4	4.5	7.6	9.0
Above Normal Water Years	9.5	9.8	8.6	4.7	2.3	2.0	2.3	2.4	3.8	4.7	6.0	6.3
Below Normal Water Years	9.4	9.3	8.9	6.0	3.6	3.0	3.0	3.6	5.6	6.7	7.7	9.3
Dry Water Years	9.6	10.2	9.6	7.6	4.8	3.7	4.5	5.7	7.7	9.8	11.3	10.7
Critical Water Years	11.1	11.5	10.0	8.4	6.3	5.3	6.8	8.8	11.4	13.8	15.6	13.5

Table 5B-34c. Chadbourne Slough near Sunrise Duck Club, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Proposed Project minus Baseline Conditions

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	-0.1	-0.4	-0.6	-0.1	0.0	0.0	0.2	0.2
1%	-1.2	0.0	-0.1	-0.2	-1.2	-0.2	-0.4	-0.2	-0.1	0.2	0.0	0.0
5%	-1.0	0.0	0.0	-0.4	0.6	0.0	-0.3	0.0	0.2	0.0	0.1	0.0
10%	-0.5	0.0	0.0	0.0	0.1	-0.1	0.0	0.1	0.0	0.1	0.0	-0.1
25%	-1.1	-0.2	-0.1	-0.1	-0.1	-0.2	-0.4	0.0	0.0	0.2	0.6	-1.0
50%	-0.8	-0.1	-0.2	0.1	-0.1	-0.1	0.0	0.3	0.2	1.0	0.6	-0.3
75%	-0.1	-0.5	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.6	1.4	-0.1
99.9%	0.2	0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2

Table 5B-34d. Chadbourne Slough near Sunrise Duck Club, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), Proposed Project minus Baseline Conditions

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

Table 5B-35a. Suisun Slough 300 ft south of Volanti Slough, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Baseline Conditions

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	15.4	13.3	13.0	10.8	9.9	6.8	8.8	9.8	12.8	14.7	16.0	13.2
1%	14.5	12.5	12.8	10.7	9.2	6.8	8.4	9.7	12.1	14.3	15.9	13.0
5%	13.9	12.3	11.9	9.9	6.4	6.1	6.9	8.5	11.1	13.9	15.4	12.5
10%	12.2	11.8	11.1	9.1	5.7	4.9	6.0	7.3	9.5	12.6	14.8	12.3
25%	11.2	10.4	9.7	7.2	4.3	3.2	3.7	5.5	7.3	8.4	9.3	10.4
50%	9.8	9.6	8.3	4.7	2.9	1.9	1.9	2.4	4.3	5.2	6.8	9.6
75%	8.4	8.3	5.6	2.1	1.4	1.1	1.1	1.2	2.0	3.1	4.9	8.6
99.9%	2.0	1.4	0.6	0.5	0.6	0.6	0.5	0.5	0.4	0.6	1.3	1.7

Table 5B-35b. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), Baseline Conditions

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	9.7	9.2	7.6	5.0	3.0	2.4	2.7	3.4	4.8	6.2	7.7	9.4
Wet Water Years	8.9	7.8	5.2	2.3	1.2	1.0	1.0	1.1	1.7	3.6	6.5	8.3
Above Normal Water Years	9.5	9.3	8.1	4.6	2.1	1.4	1.3	1.6	2.8	2.8	3.3	6.2
Below Normal Water Years	9.6	9.1	8.2	5.4	3.0	2.4	2.3	2.8	4.4	4.5	4.9	9.4
Dry Water Years	10.1	10.0	8.8	6.7	4.2	3.2	3.8	4.9	6.7	8.2	9.3	10.2
Critical Water Years	10.8	10.8	9.3	7.4	5.4	4.6	5.9	7.7	10.1	12.6	14.8	12.4

Table 5B-36a. Suisun Slough 300 ft south of Volanti Slough, Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Proposed Project

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	15.2	13.3	13.0	10.8	9.8	6.7	8.3	9.7	12.8	14.7	16.1	13.4
1%	12.2	12.5	12.9	10.4	8.2	6.5	7.4	9.3	12.0	14.4	15.9	12.8
5%	12.0	12.1	11.9	9.6	7.1	6.0	6.6	8.6	11.3	14.0	15.4	12.5
10%	11.6	11.6	11.0	9.2	5.5	4.7	6.1	7.3	9.5	12.8	14.9	12.3
25%	10.1	10.1	9.5	7.4	4.2	3.1	3.4	5.5	7.2	8.6	9.4	10.0
50%	8.9	9.2	8.1	4.7	2.8	1.8	1.9	2.6	4.5	6.1	7.2	9.2
75%	8.2	7.5	5.7	2.0	1.3	1.1	1.1	1.2	2.0	3.4	5.8	7.7
99.9%	2.2	1.4	0.6	0.5	0.6	0.5	0.5	0.5	0.4	0.6	1.3	1.8

Table 5B-36b. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), Proposed Project

Average	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Full Simulation Period	8.6	8.8	7.5	5.0	3.0	2.3	2.6	3.4	4.9	6.4	8.3	8.8
Wet Water Years	7.9	7.4	5.2	2.3	1.2	1.0	1.0	1.2	1.8	3.6	6.6	8.6
Above Normal Water Years	8.7	9.0	8.0	4.6	2.1	1.4	1.3	1.6	2.9	3.4	4.4	4.9
Below Normal Water Years	8.6	8.6	8.2	5.4	3.1	2.4	2.2	2.8	4.6	5.2	6.0	7.8
Dry Water Years	8.7	9.4	8.7	6.7	4.1	3.1	3.7	4.8	6.6	8.4	9.9	9.5
Critical Water Years	10.0	10.5	9.0	7.3	5.4	4.3	5.7	7.7	10.2	12.6	14.8	12.4

Table 5B-36c. Suisun Slough 300 ft south of Volanti Slough, Difference in Exceedance Probabilities for Monthly Average Electrical Conductivity (in millimhos per centimeter), Proposed Project minus Baseline Conditions

Probability of Exceedance	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
0.1%	-0.2	0.0	0.0	-0.1	-0.1	-0.1	-0.5	-0.1	0.0	0.0	0.1	0.2
1%	-2.4	0.0	0.1	-0.3	-1.0	-0.3	-1.0	-0.4	-0.1	0.1	0.0	-0.2
5%	-1.9	-0.2	0.0	-0.3	0.6	-0.1	-0.2	0.1	0.1	0.1	0.0	0.0
10%	-0.6	-0.2	-0.1	0.0	-0.2	-0.2	0.1	0.0	0.0	0.1	0.0	0.0
25%	-1.1	-0.2	-0.1	0.2	-0.1	-0.1	-0.3	0.0	-0.1	0.2	0.1	-0.5
50%	-0.9	-0.4	-0.2	0.0	-0.1	-0.1	0.0	0.2	0.3	0.9	0.4	-0.4
75%	-0.1	-0.8	0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.9	-0.9
99.9%	0.2	0.1	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.1

Table 5B-36d. Suisun Slough 300 ft south of Volanti Slough, Difference in Monthly Average Electrical Conductivity (in millimhos per centimeter), Proposed Project minus Baseline Conditions

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

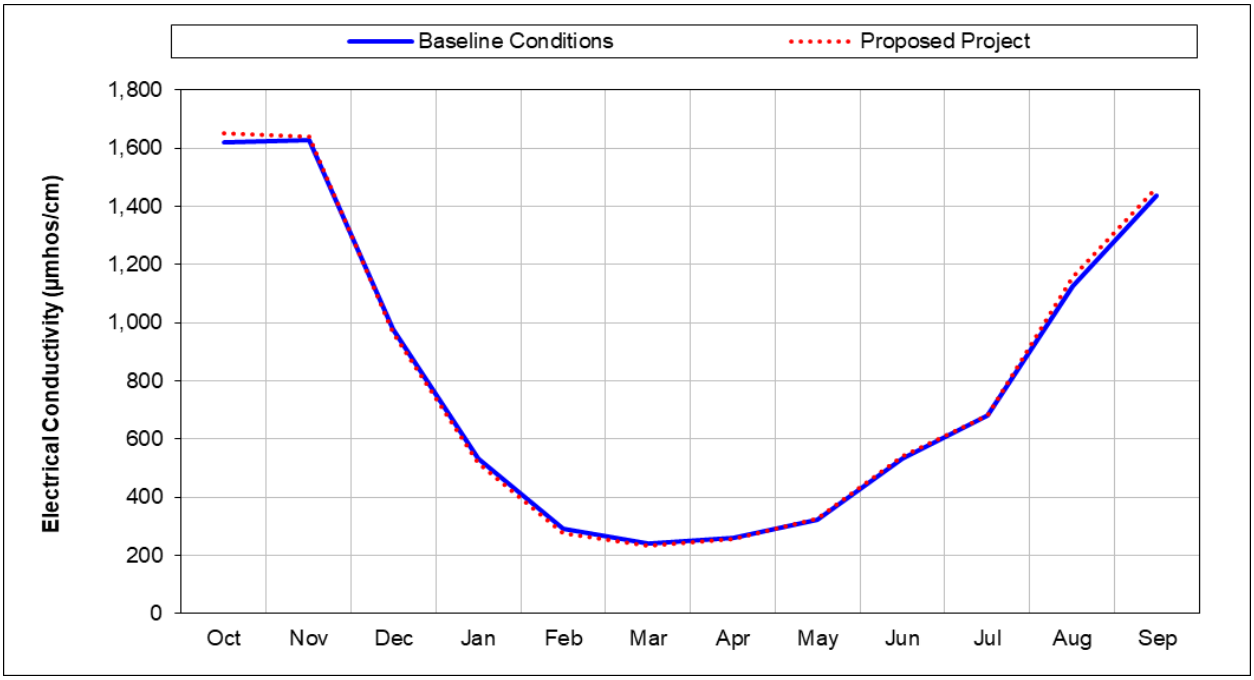

Figure 5B-1a. Sacramento River at Emmaton, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)

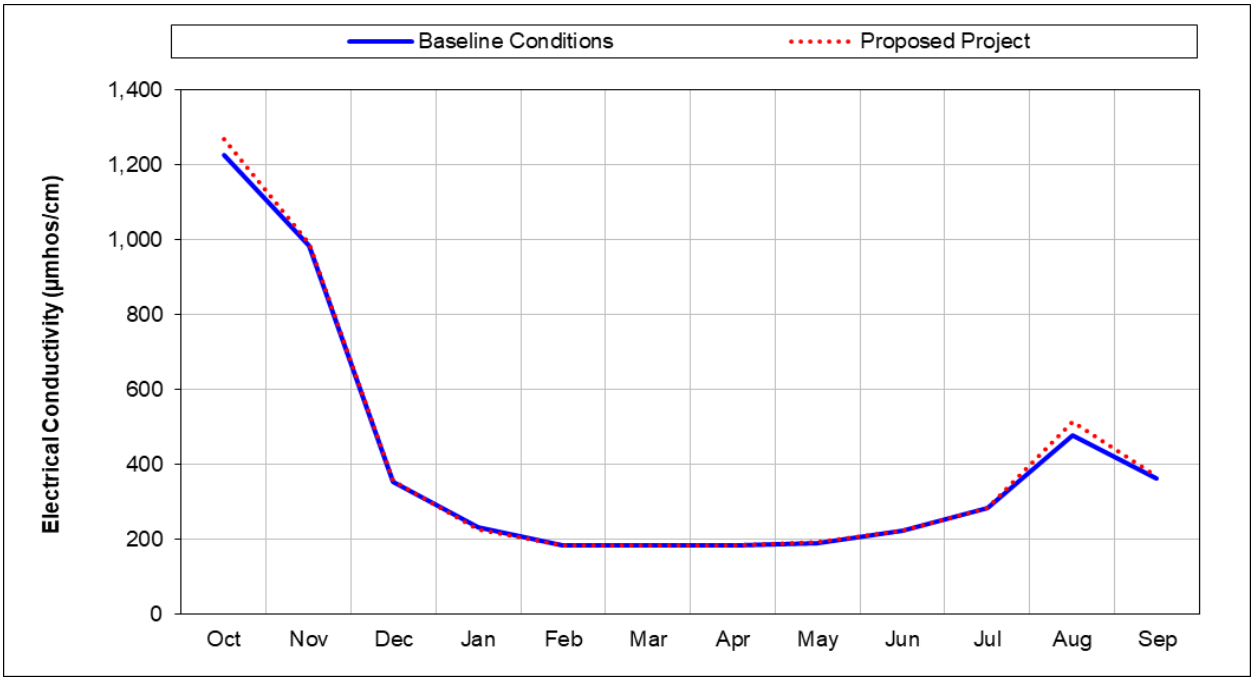

Figure 5B-1b. Sacramento River at Emmaton, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

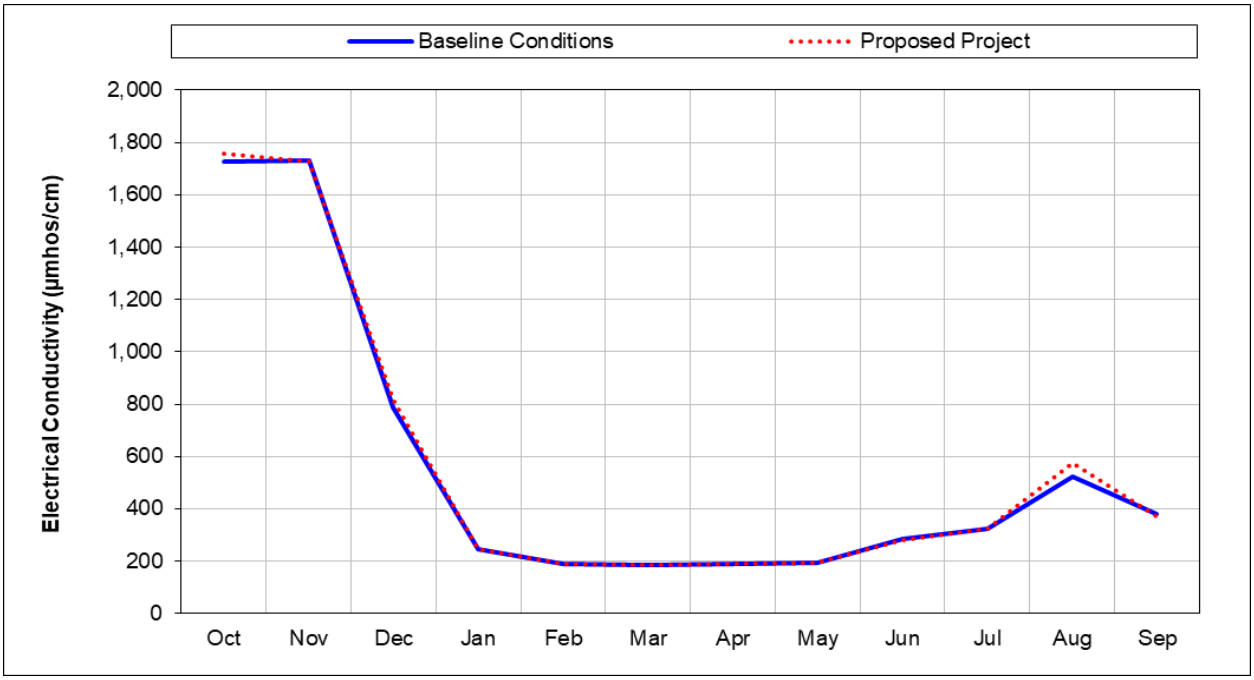

Figure 5B-1c. Sacramento River at Emmaton, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

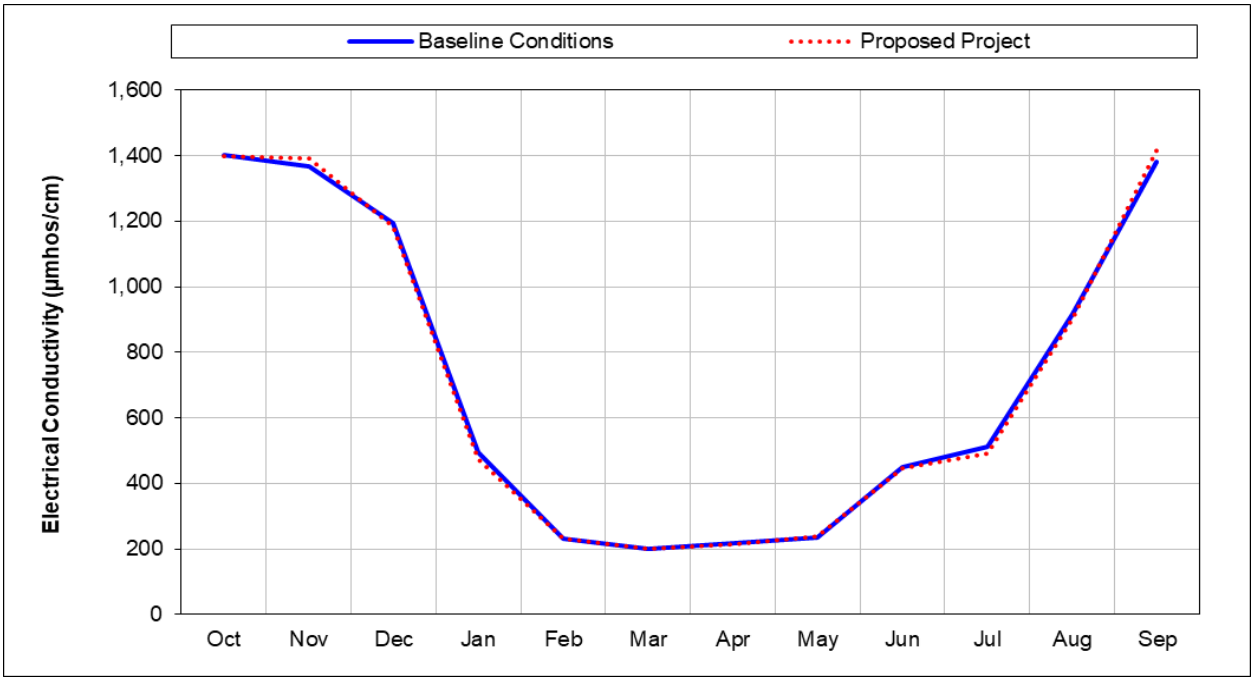

Figure 5B-1d. Sacramento River at Emmaton, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

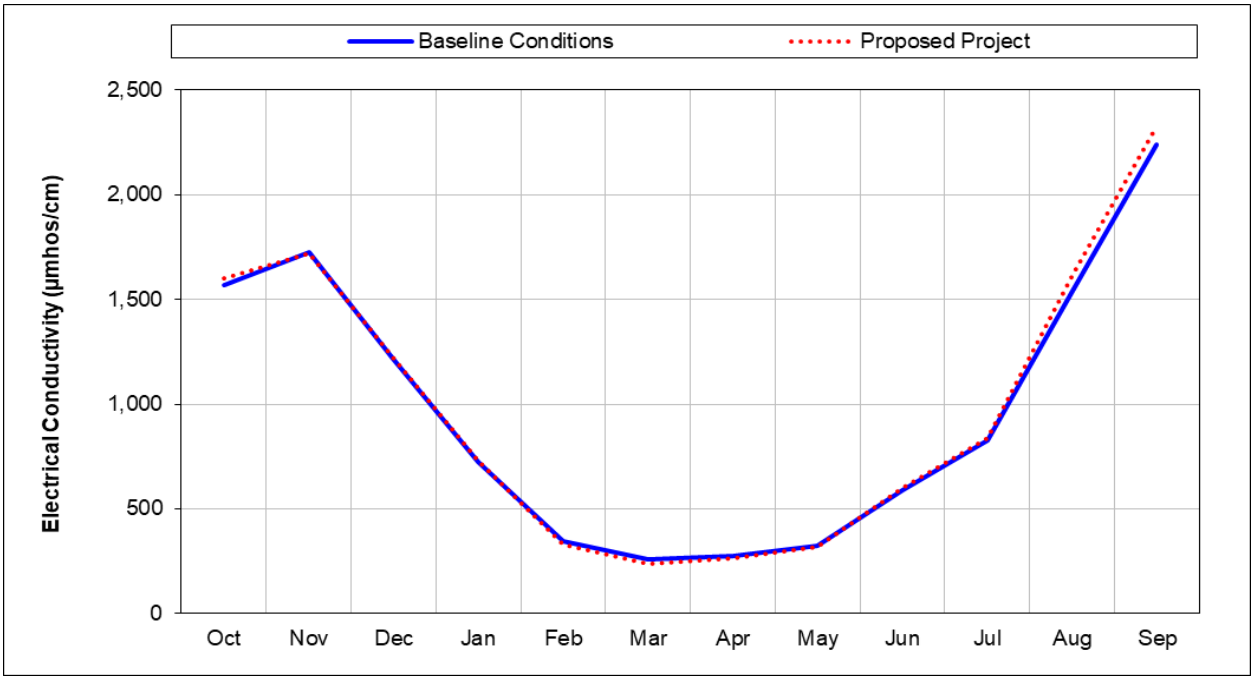

Figure 5B-1e. Sacramento River at Emmaton, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

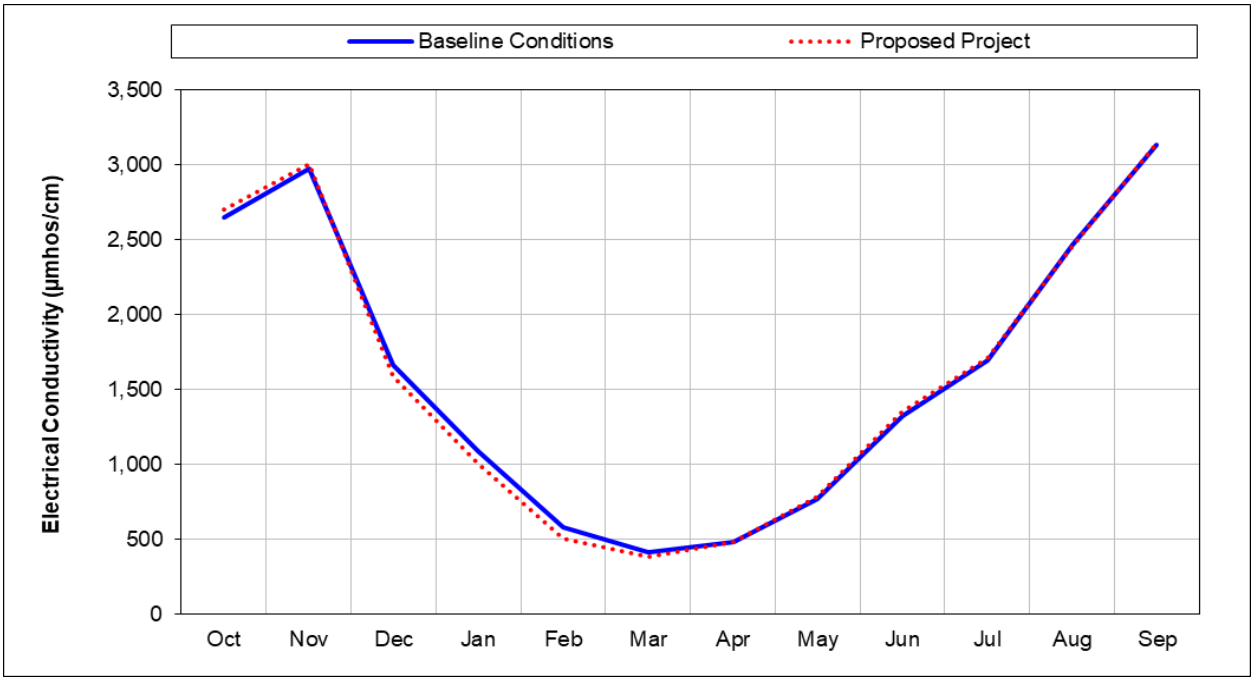

Figure 5B-1f. Sacramento River at Emmaton, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

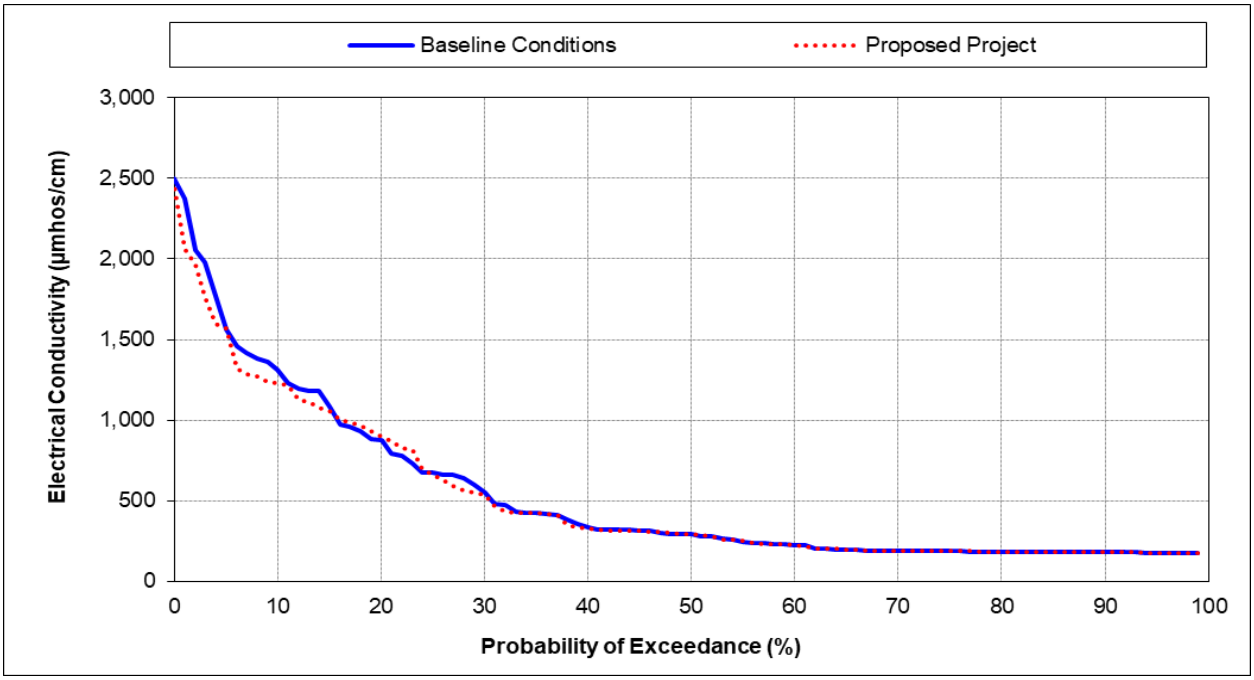

Figure 5B-1g. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), January

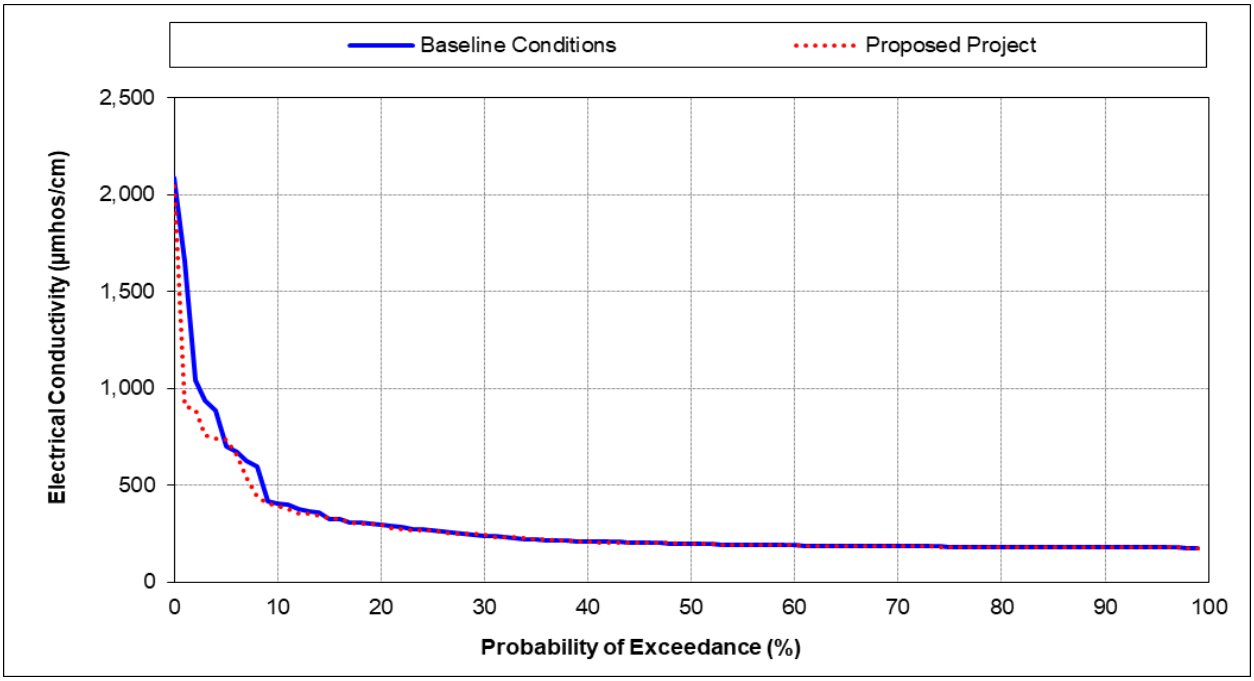

Figure 5B-1h. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), February

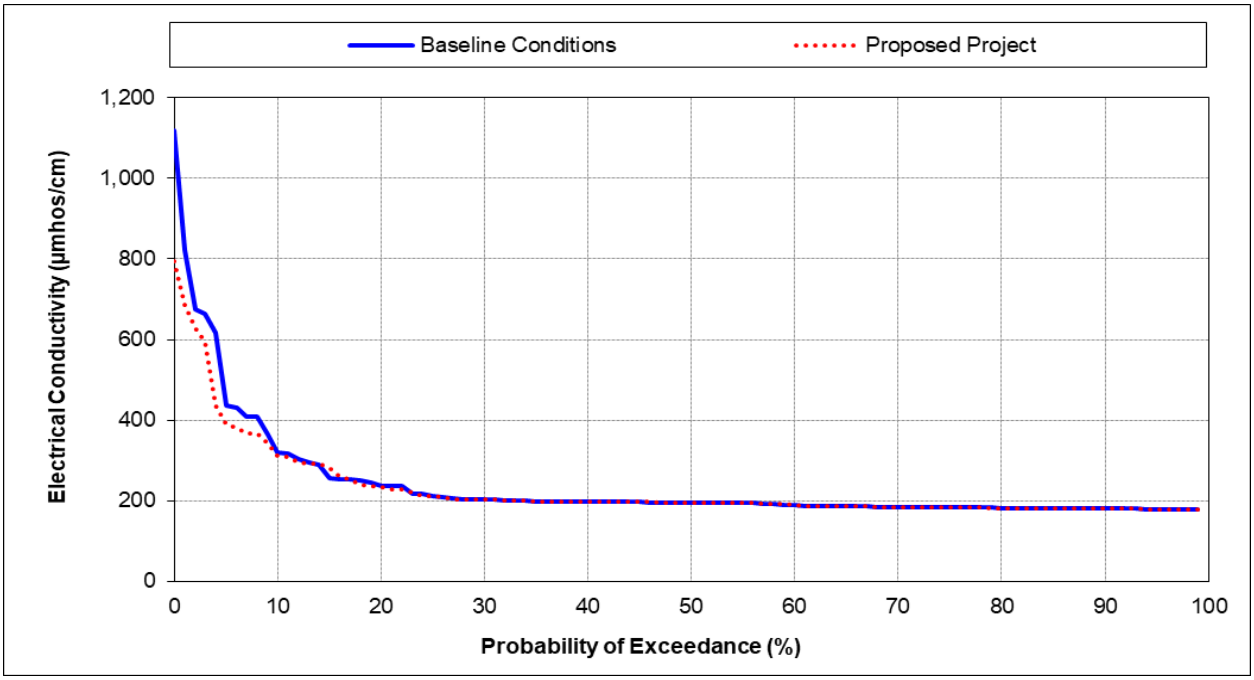

Figure 5B-1i. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), March

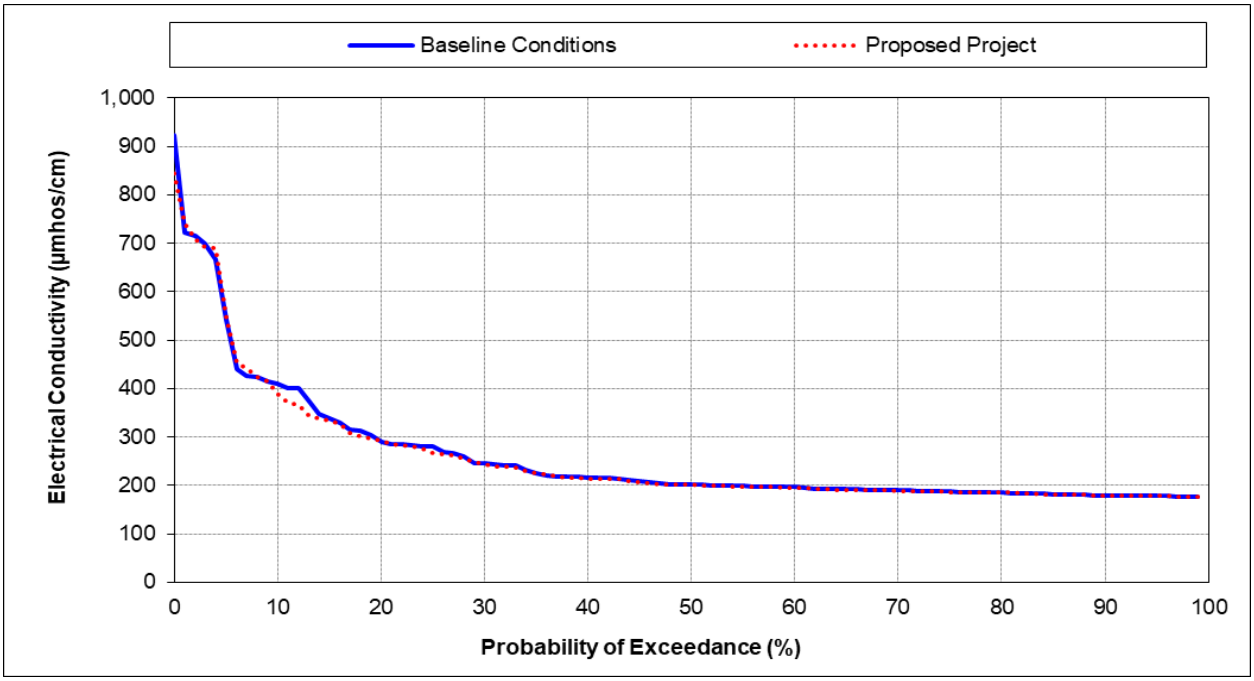

Figure 5B-1j. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), April

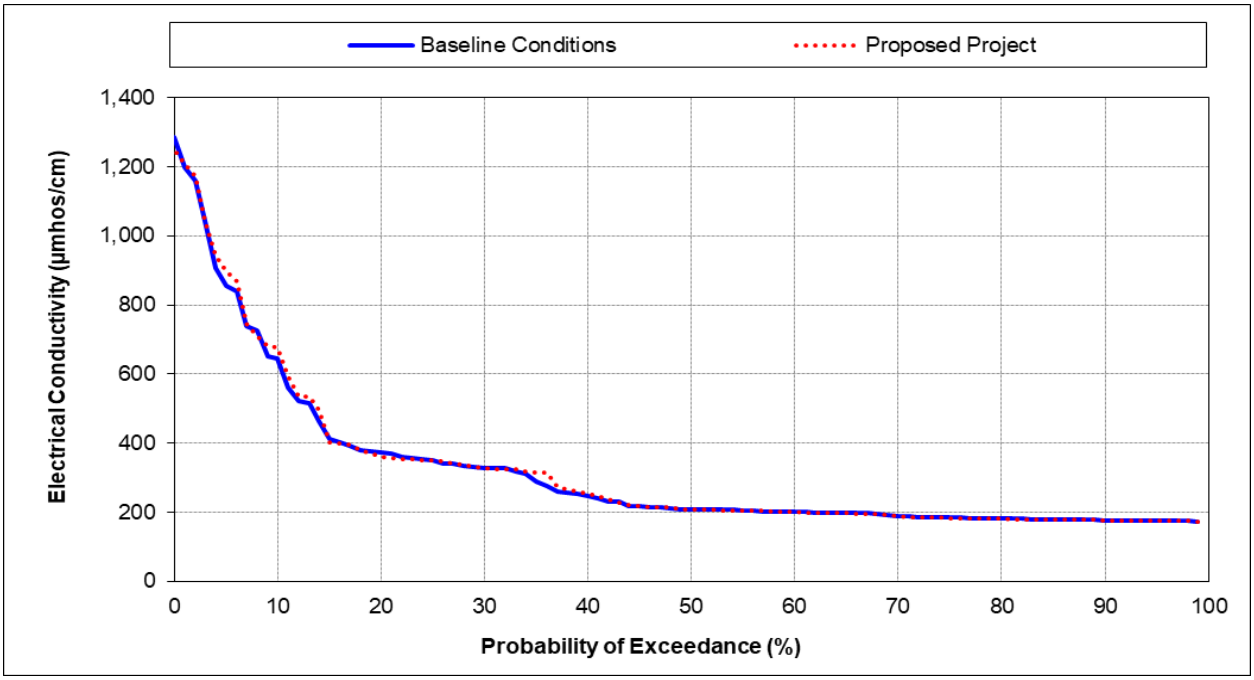

Figure 5B-1k. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), May

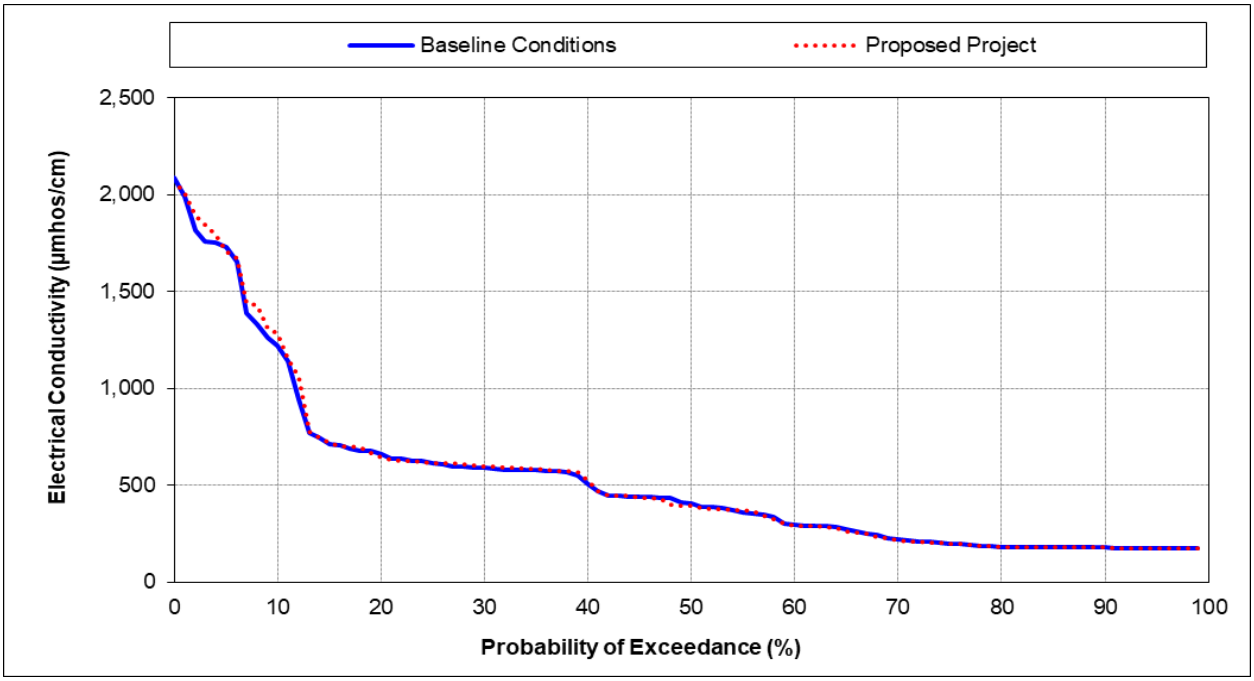

Figure 5B-1l. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), June

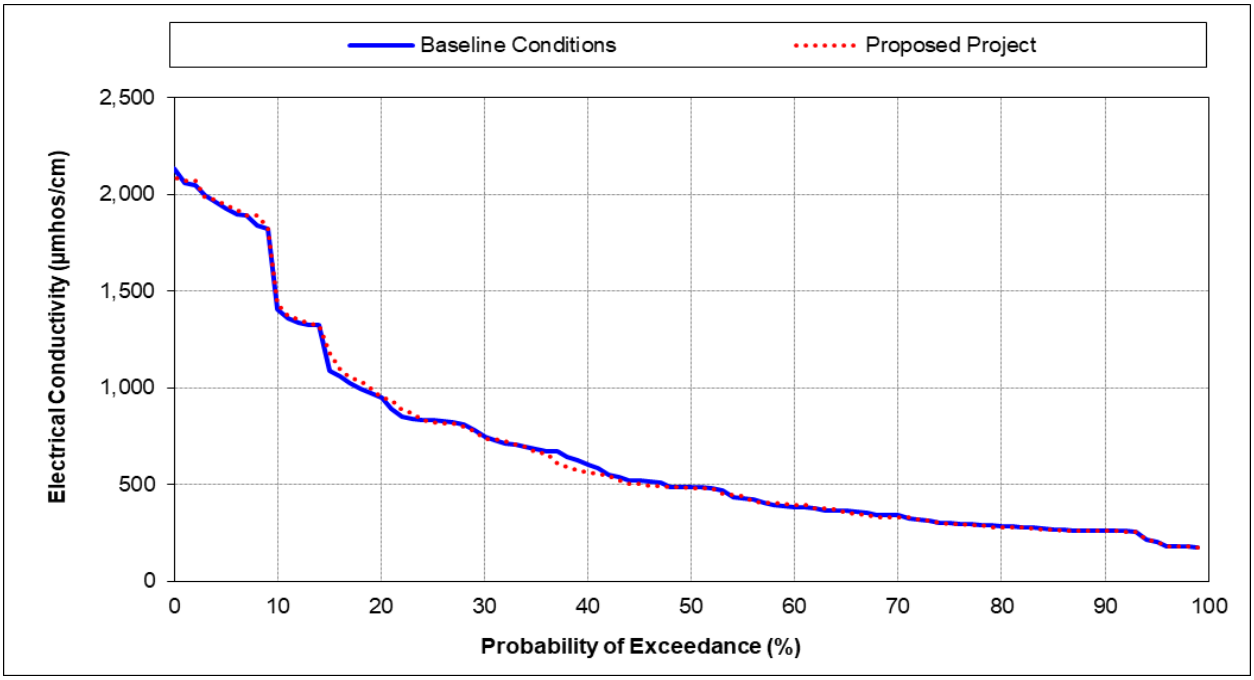

Figure 5B-1m. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), July

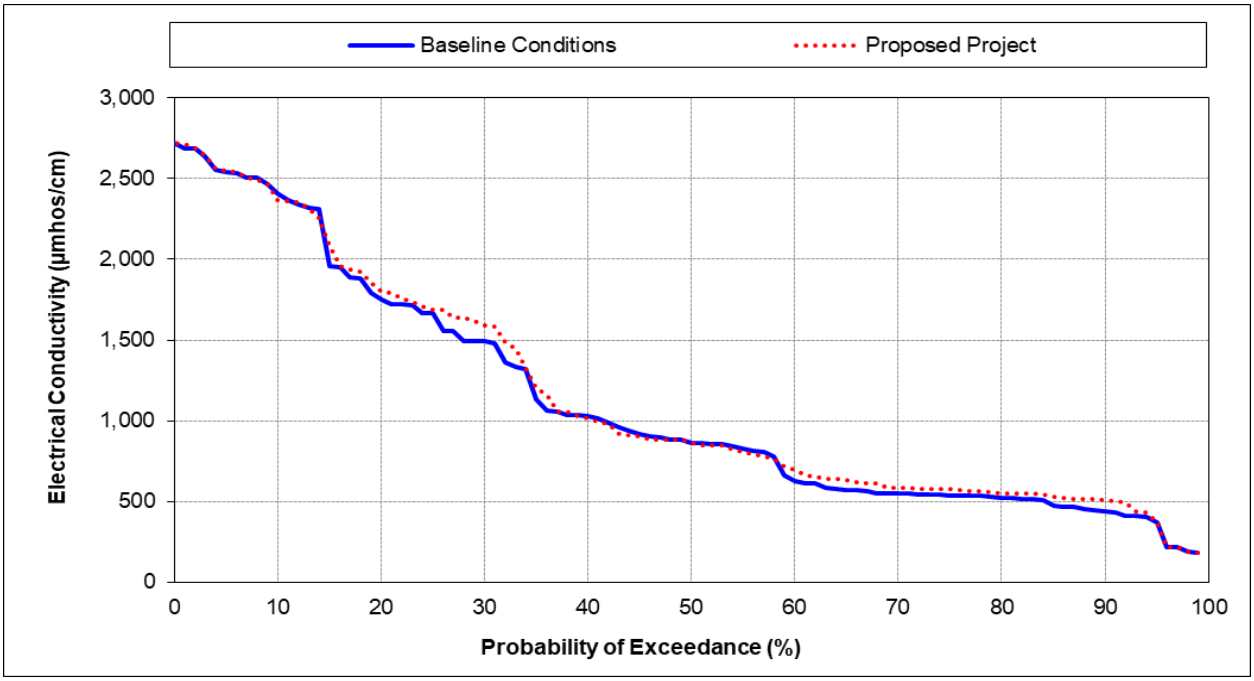

Figure 5B-1n. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), August

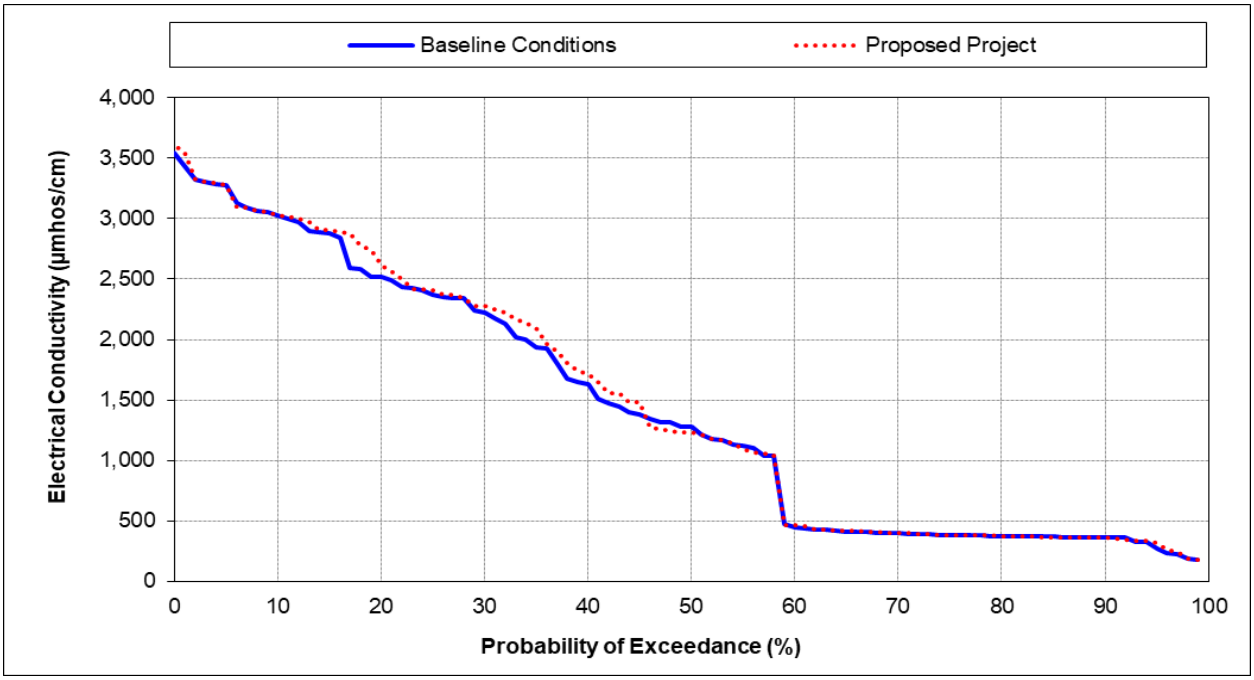

Figure 5B-1o. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), September

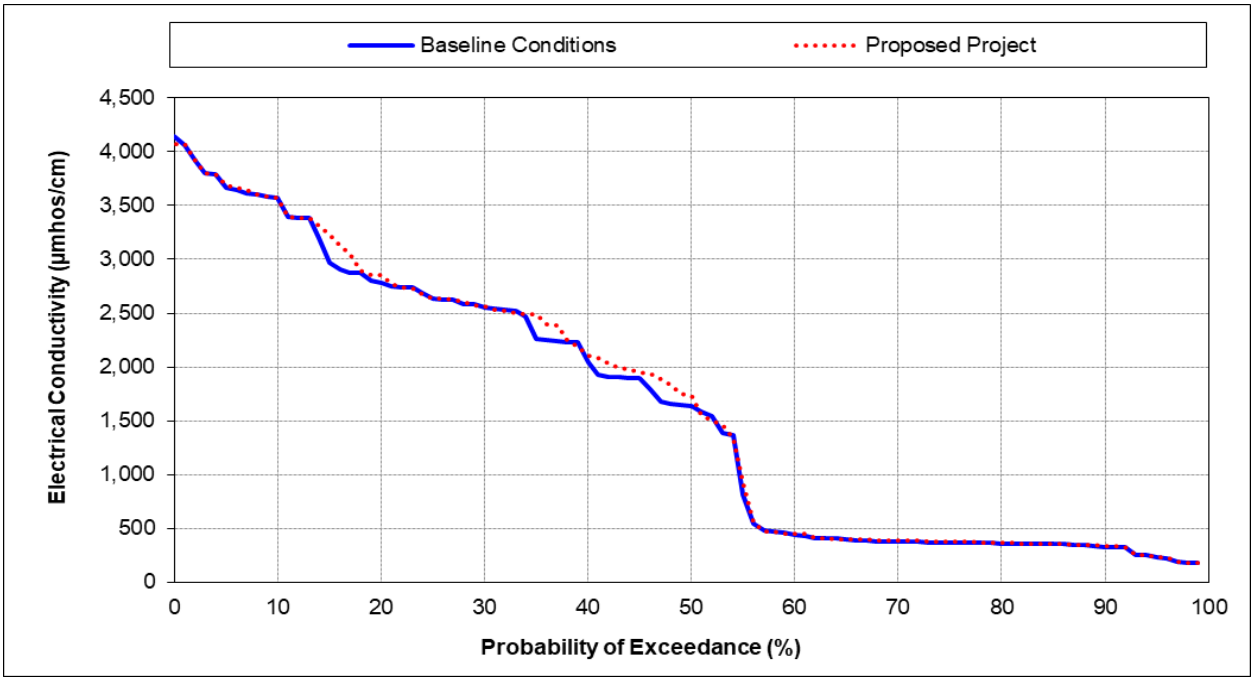

Figure 5B-1p. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), October

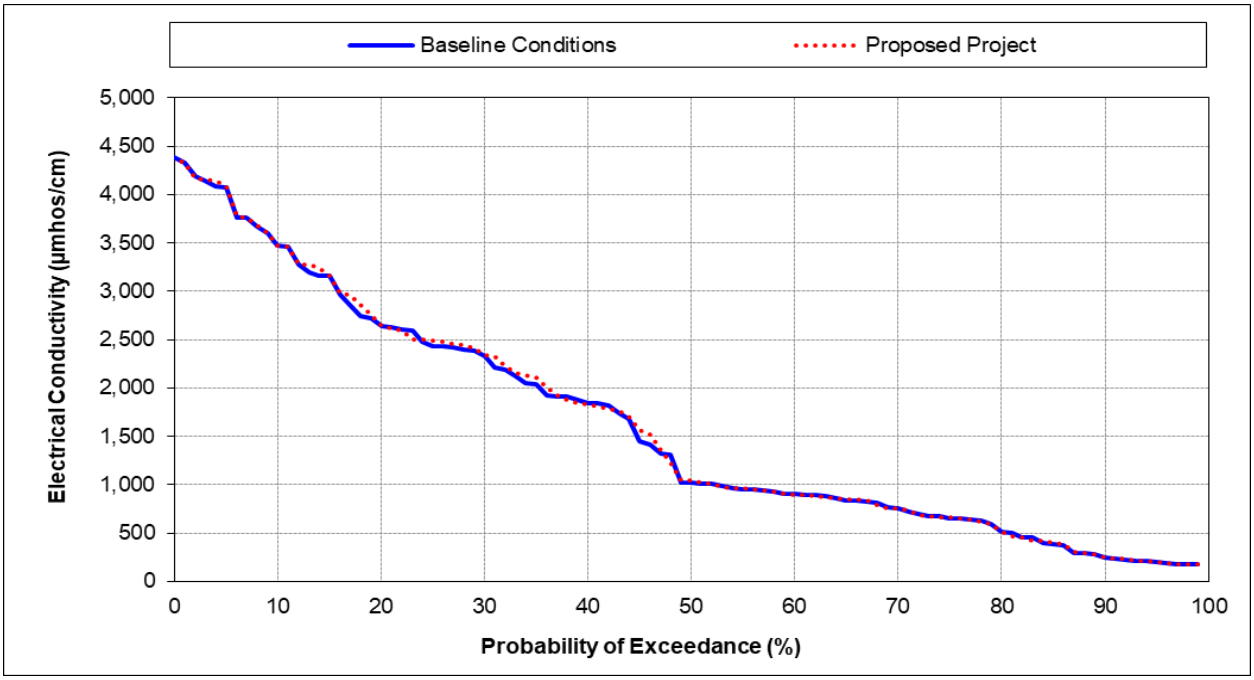

Figure 5B-1q. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), November

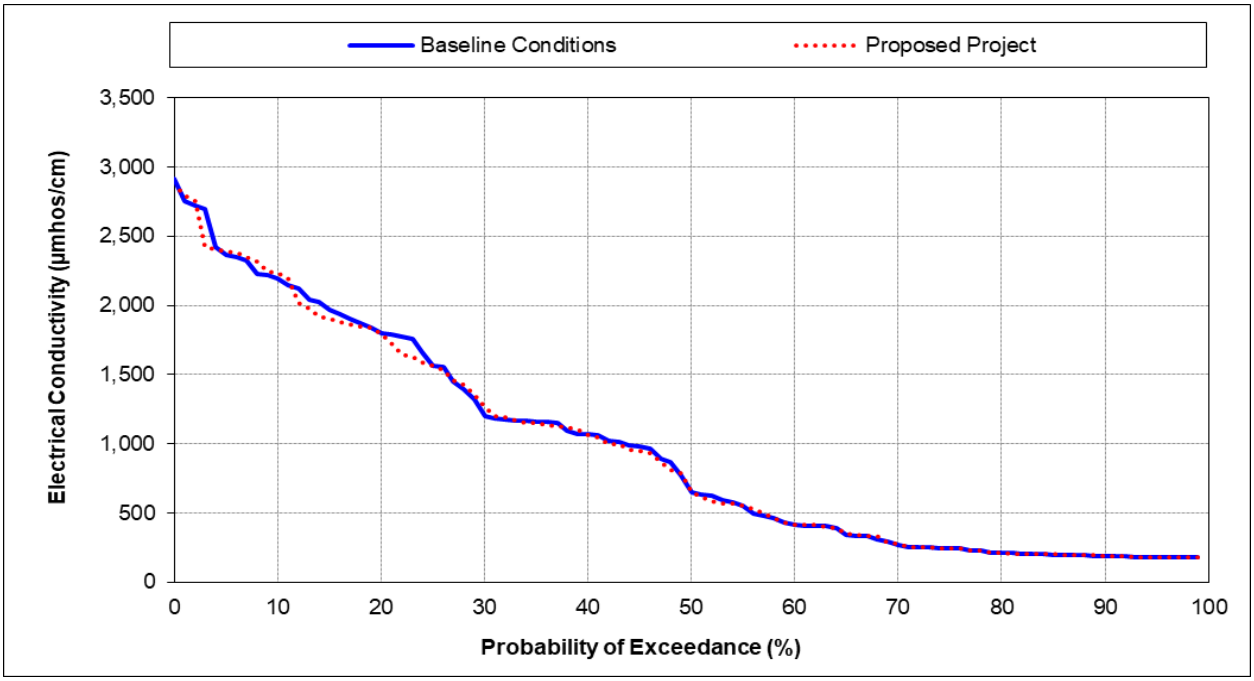

Figure 5B-1r. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), December

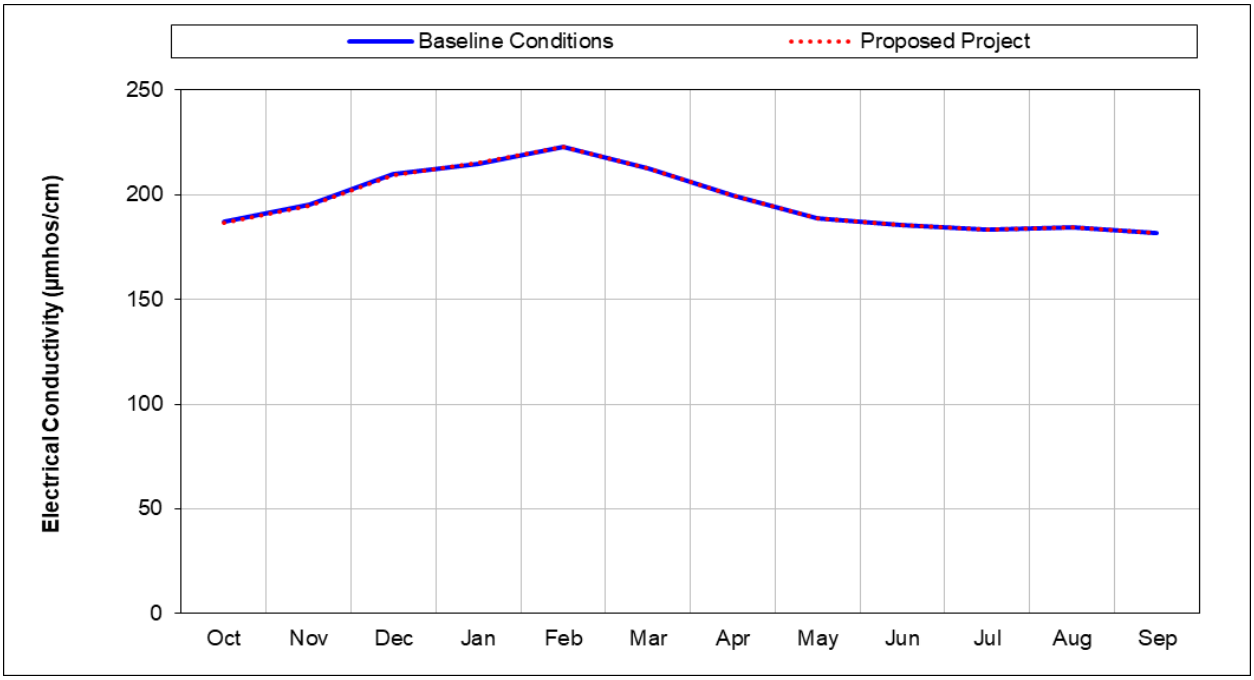

Figure 5B-2a. S. Fork Mokelumne River at Terminous, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)

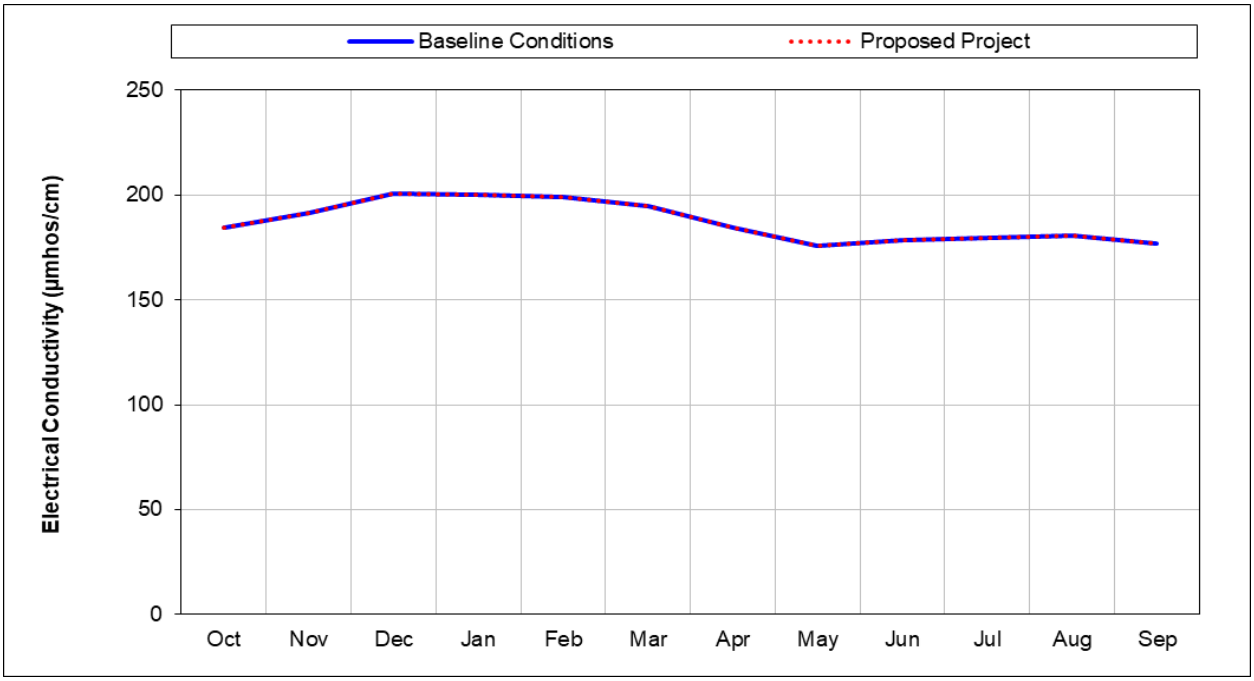

Figure 5B-2b. S. Fork Mokelumne River at Terminous, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

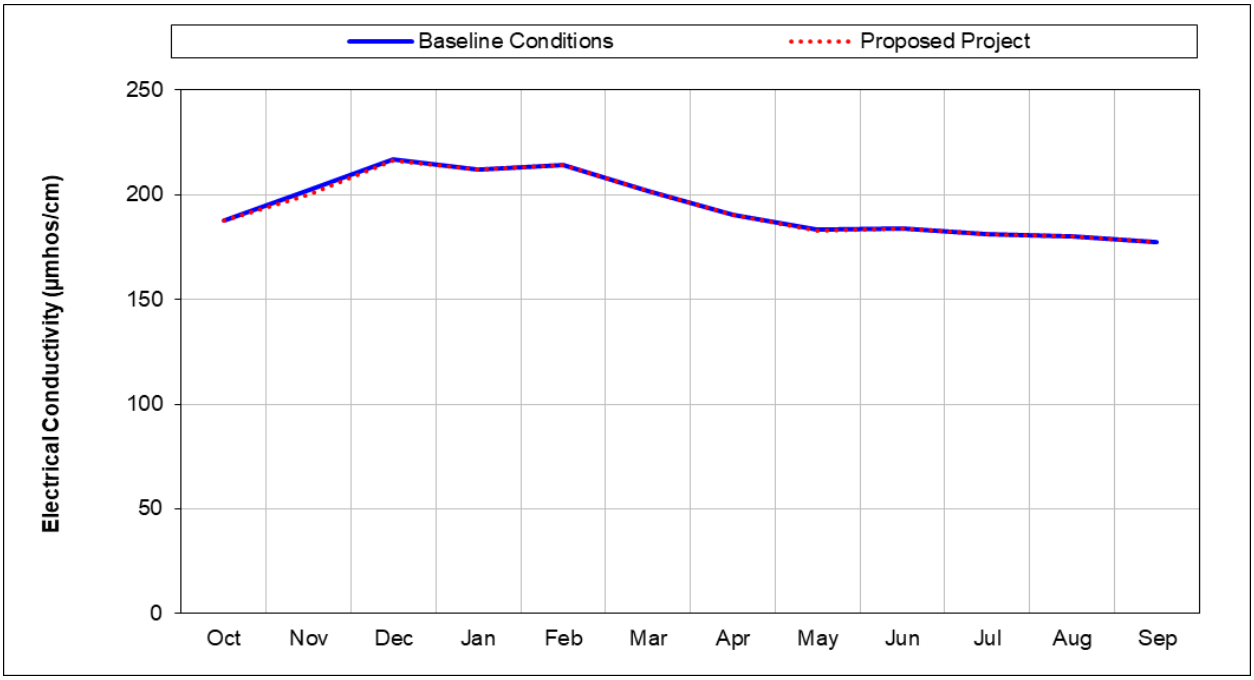

Figure 5B-2c. S. Fork Mokelumne River at Terminous, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

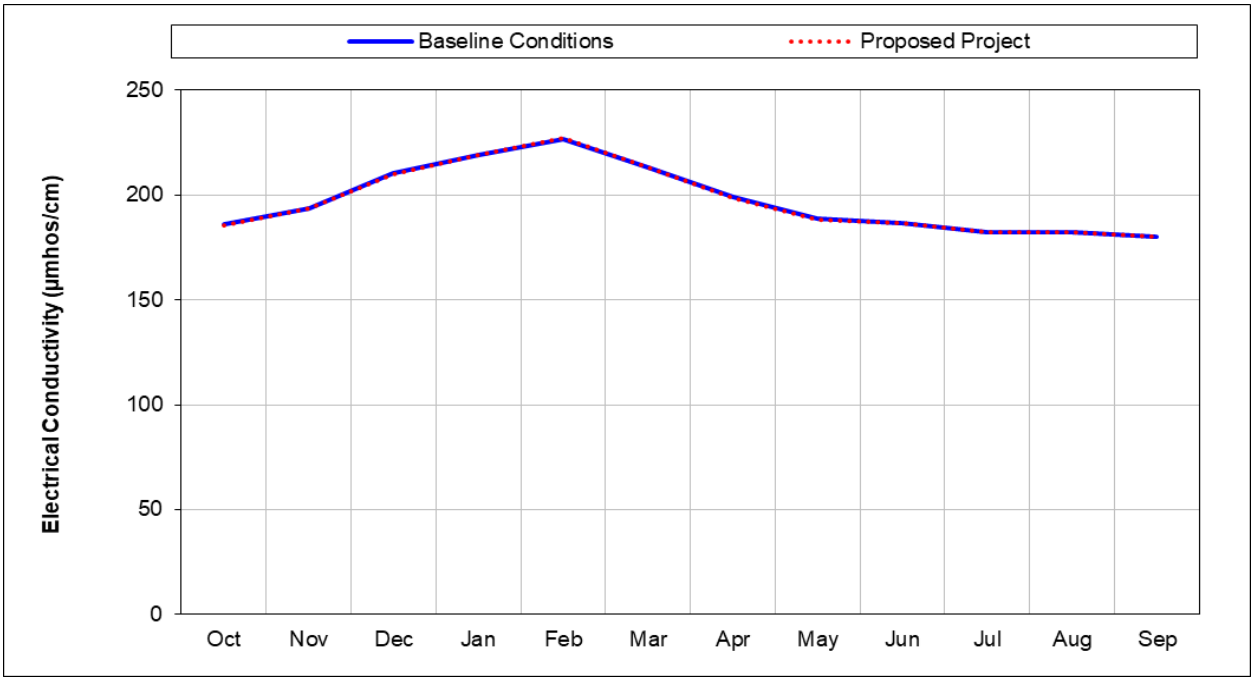

Figure 5B-2d. S. Fork Mokelumne River at Terminous, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

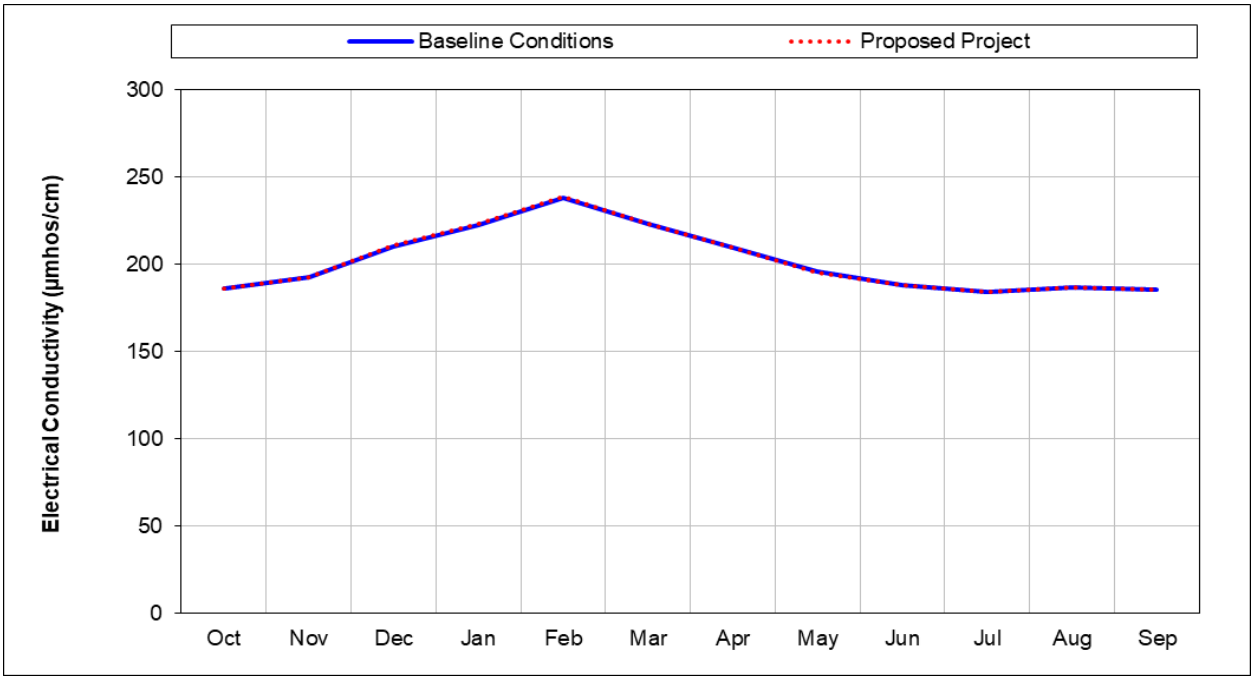

Figure 5B-2e. S. Fork Mokelumne River at Terminous, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

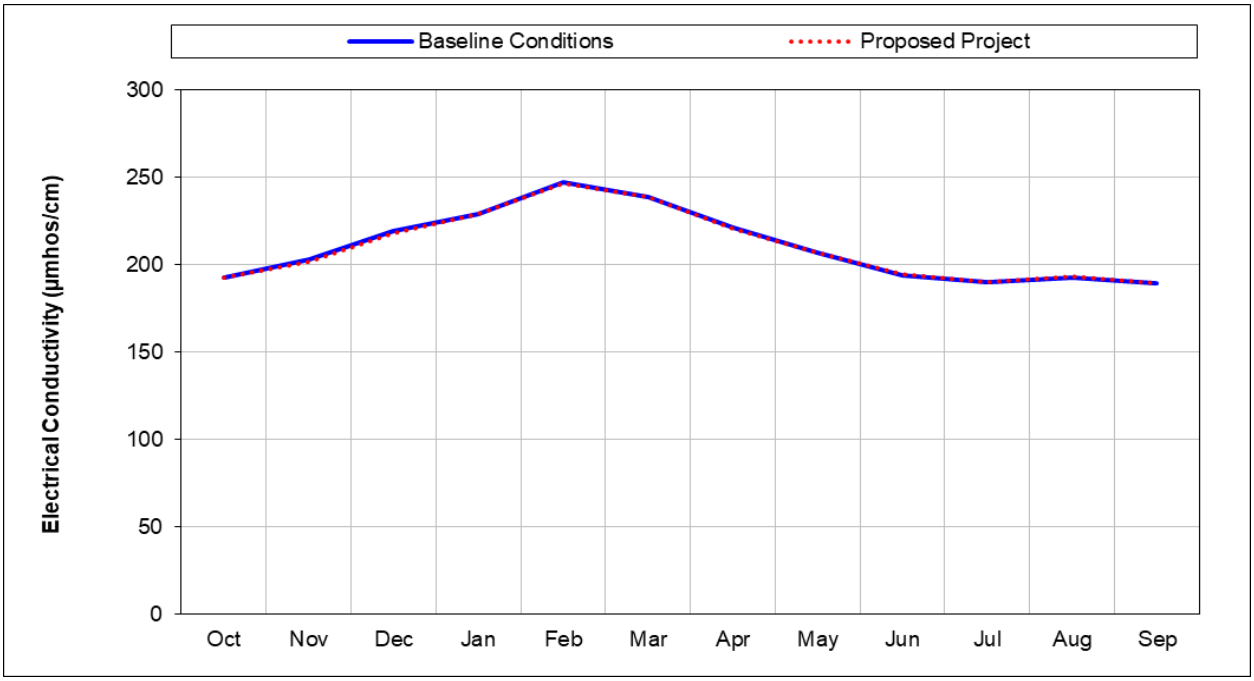

Figure 5B-2f. S. Fork Mokelumne River at Terminous, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

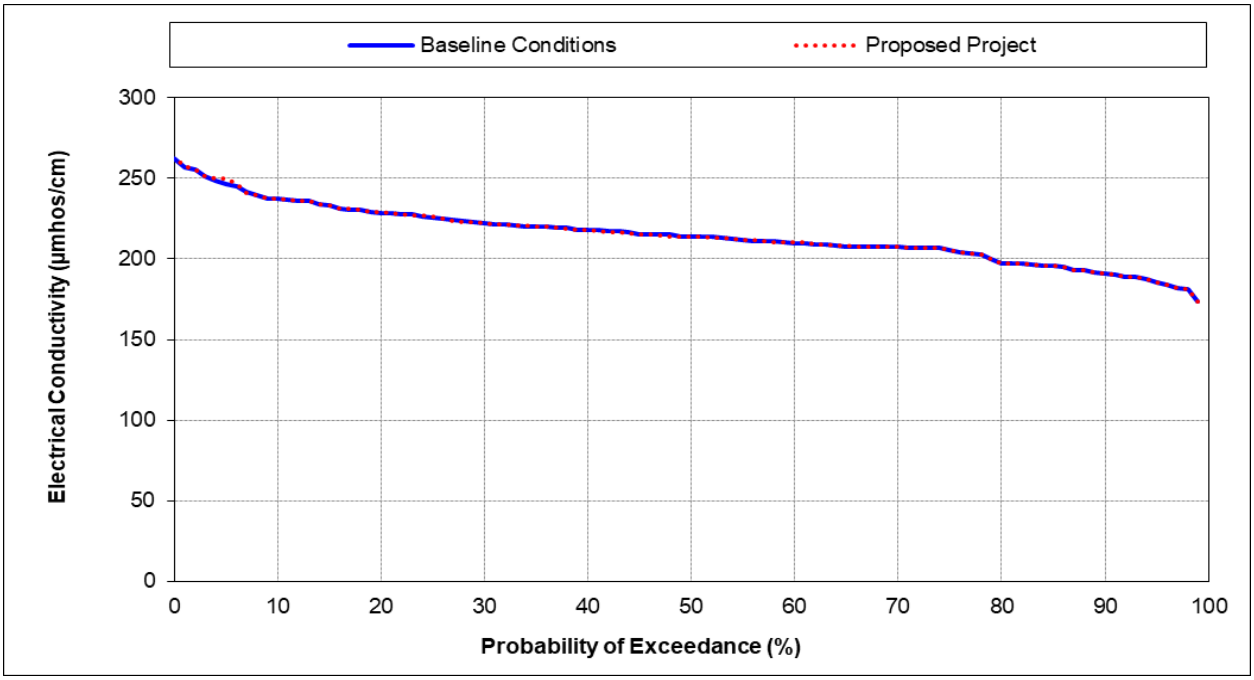

Figure 5B-2g. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), January

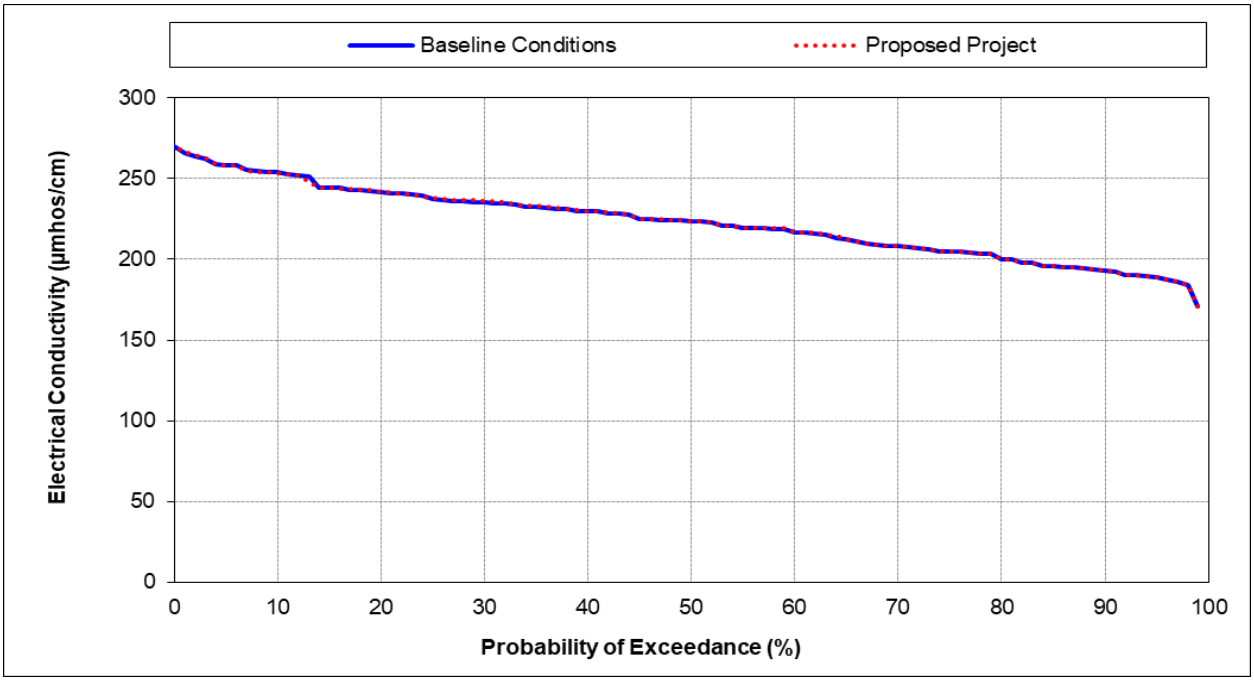

Figure 5B-2h. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), February

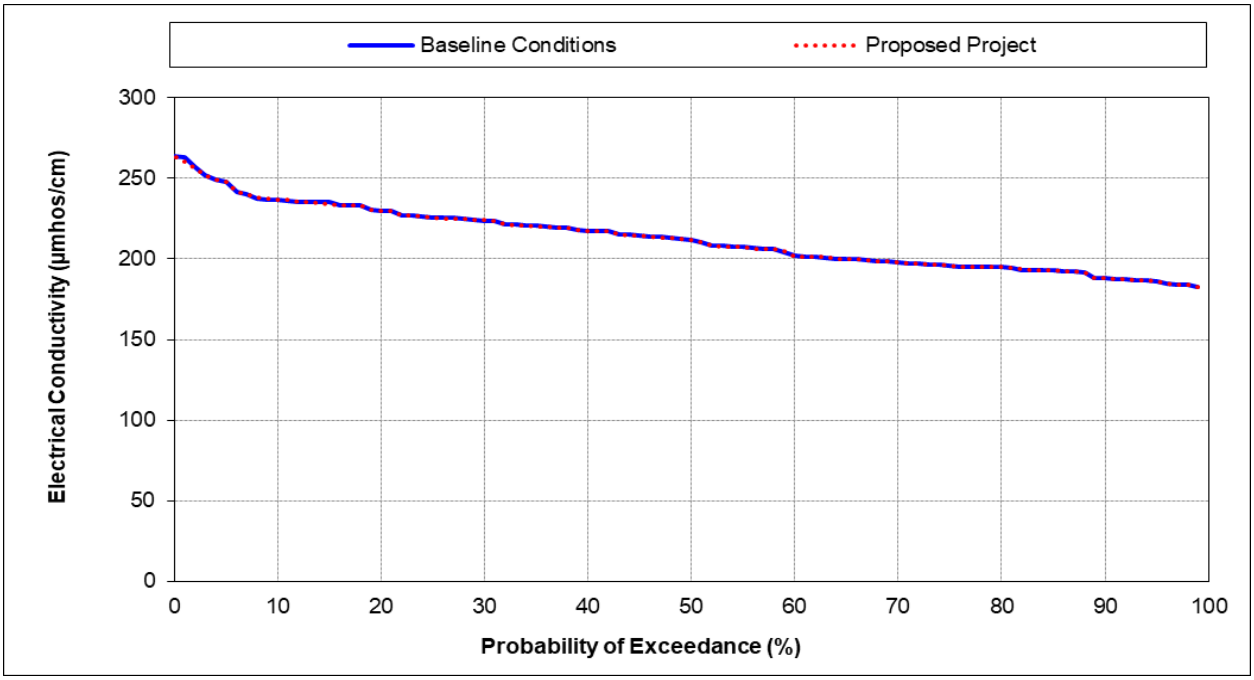

Figure 5B-2i. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), March

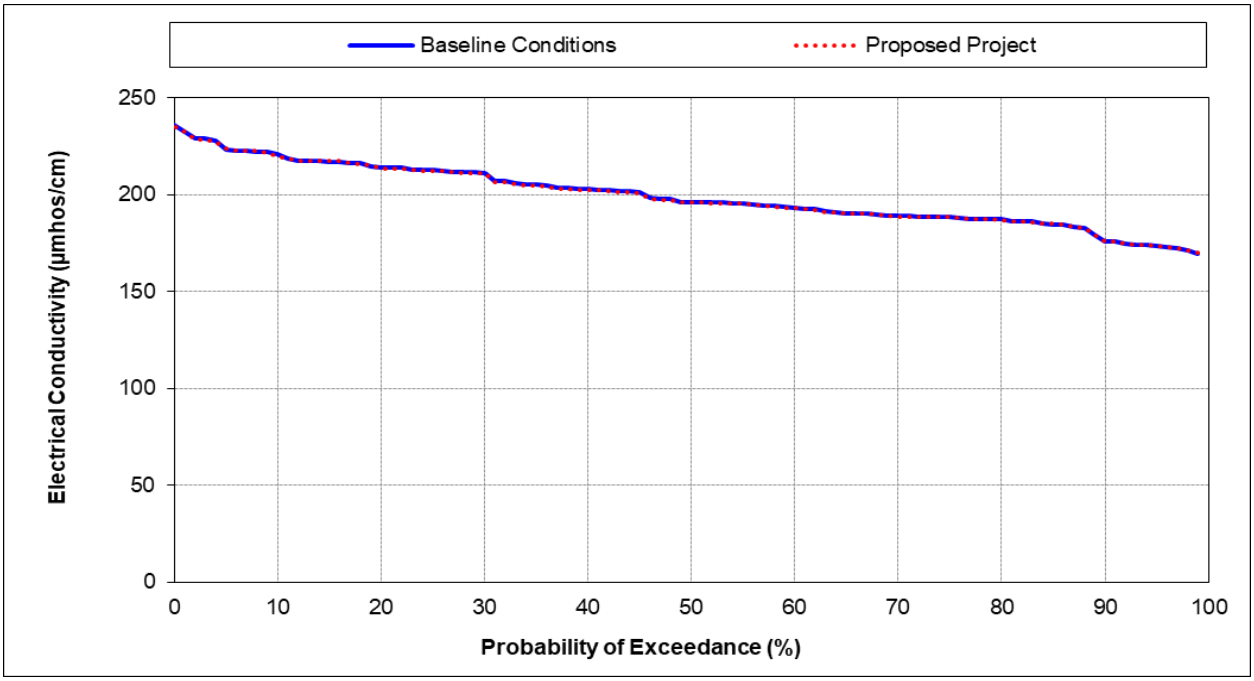

Figure 5B-2j. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), April

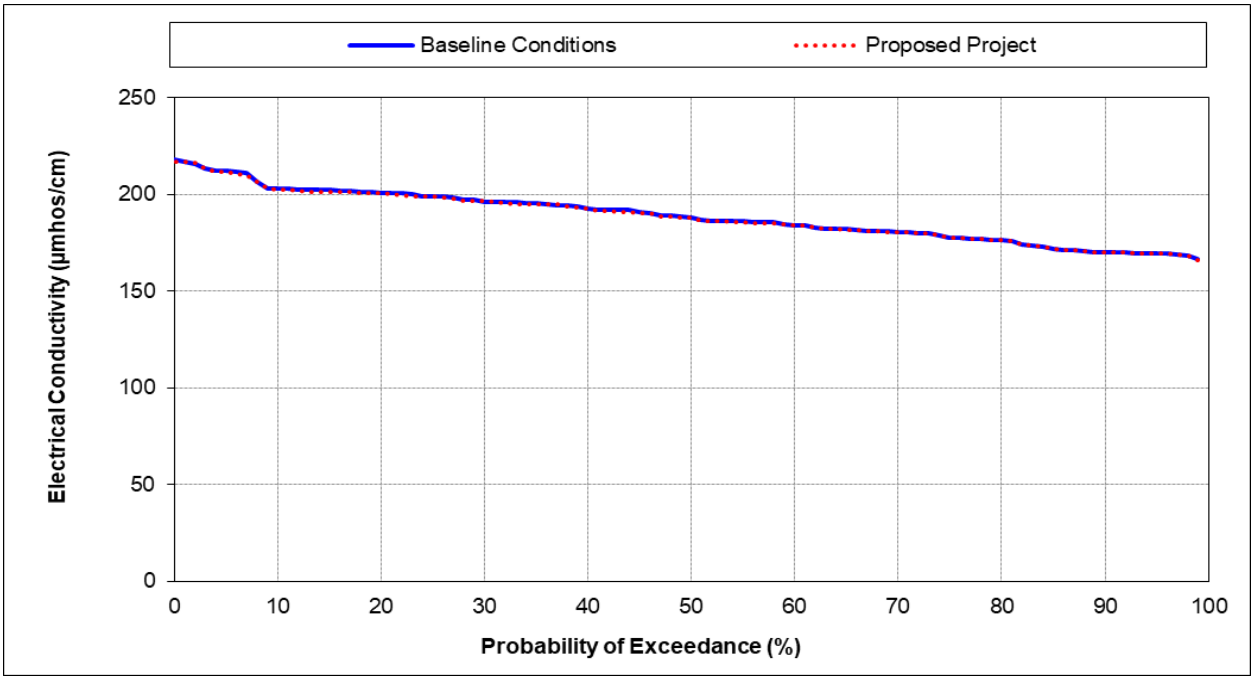

Figure 5B-2k. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), May

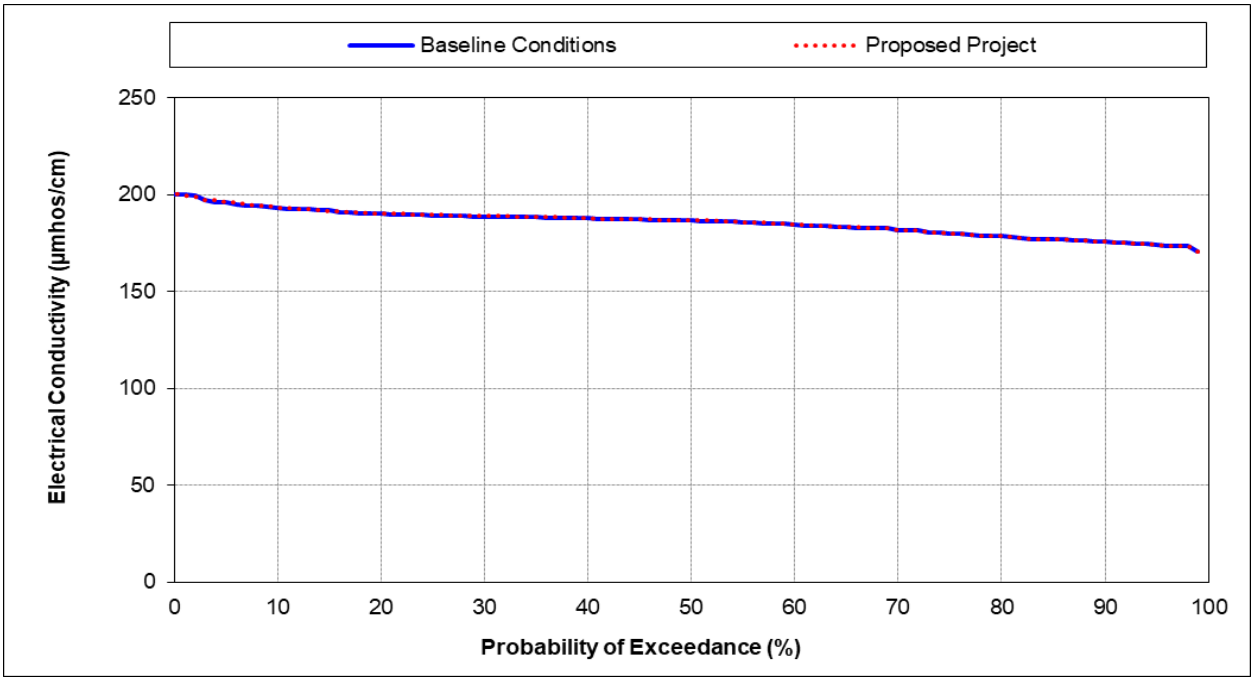

Figure 5B-2l. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), June

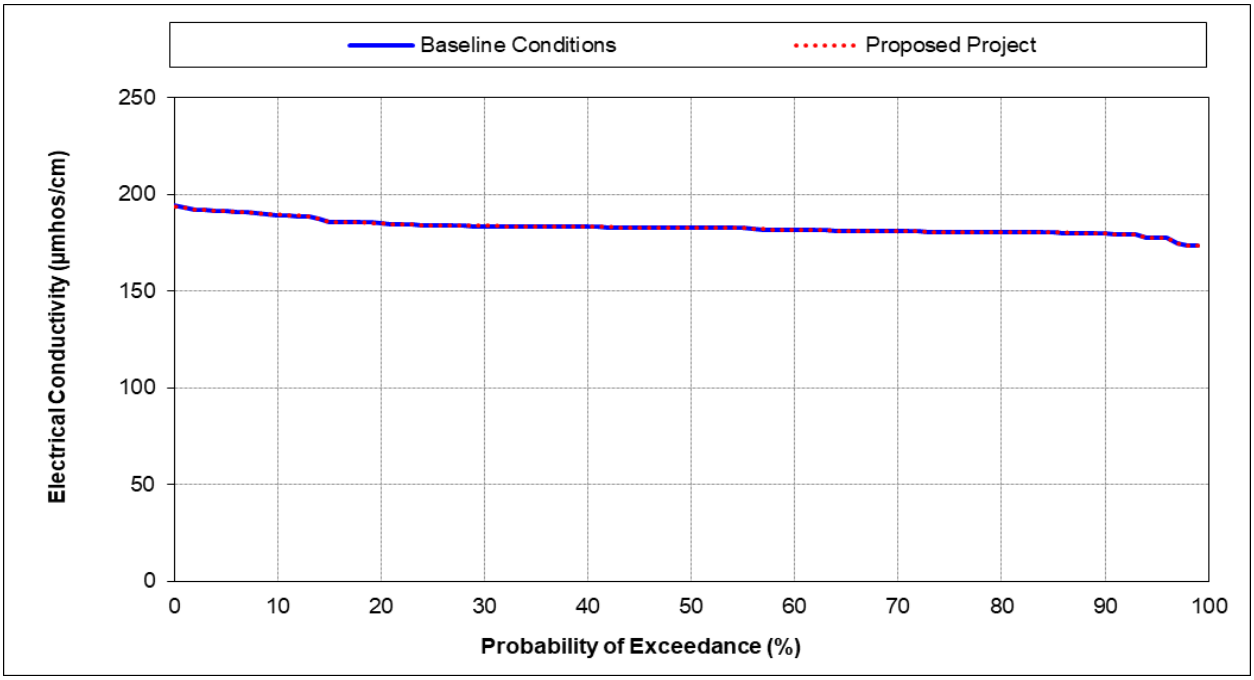

Figure 5B-2m. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), July

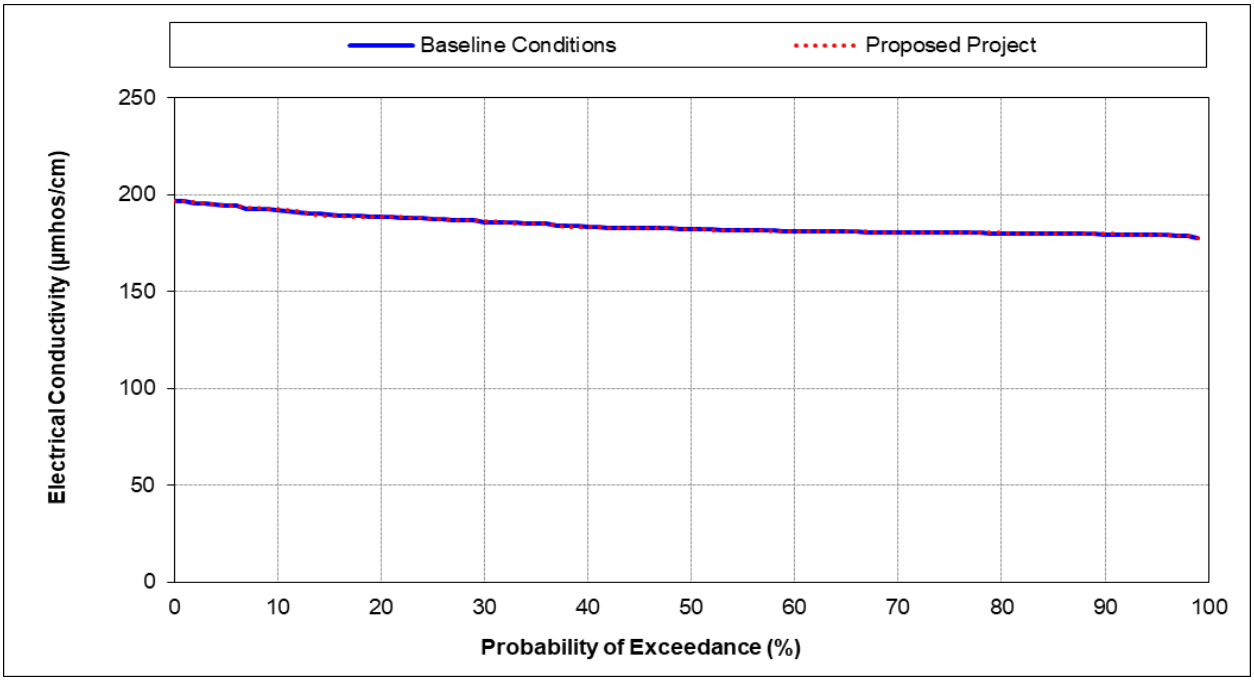

Figure 5B-2n. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), August

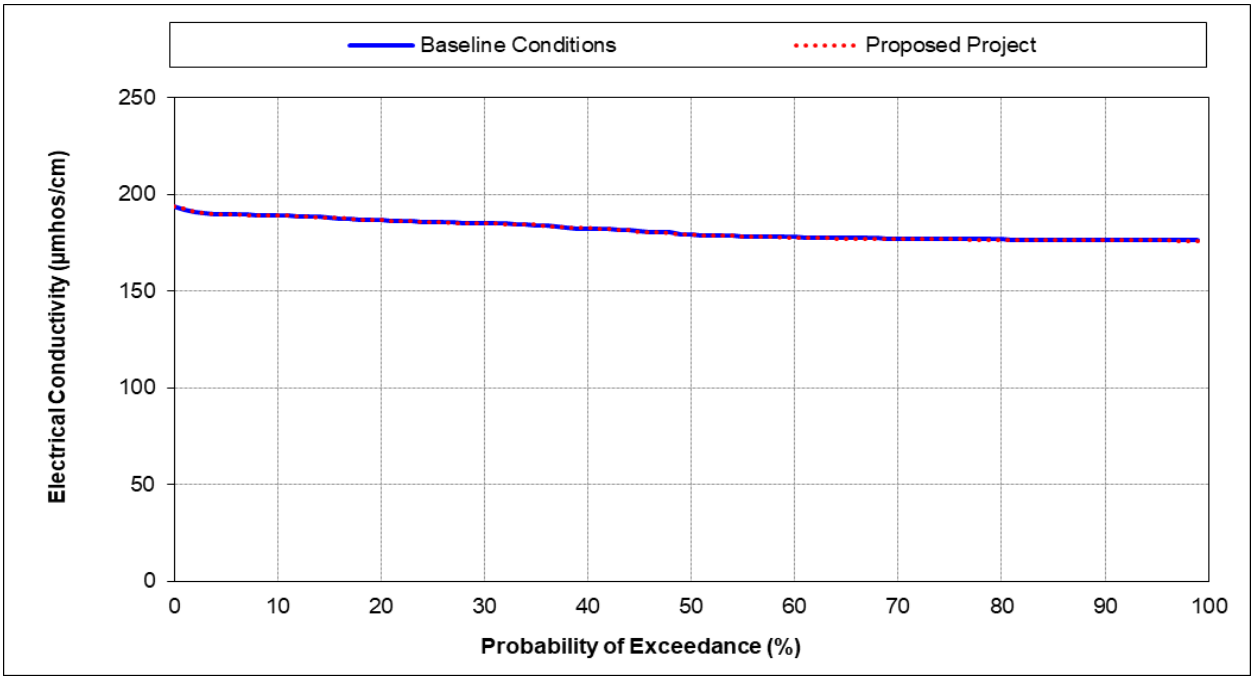

Figure 5B-2o. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), September

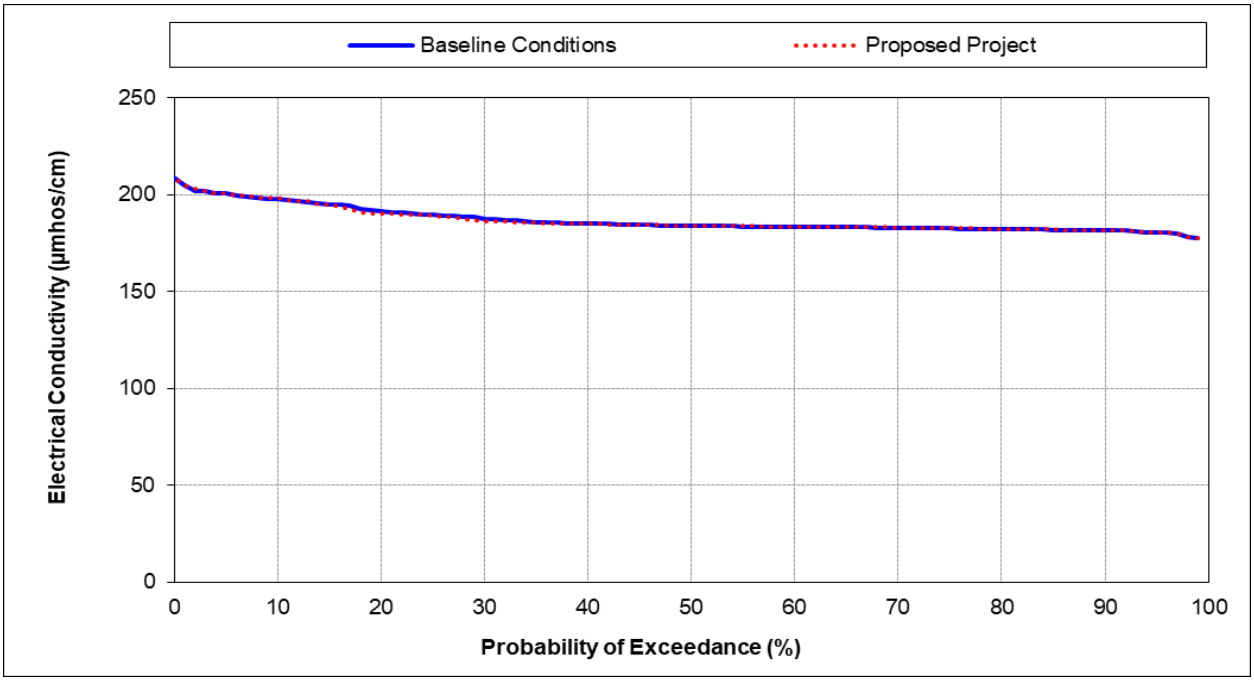

Figure 5B-2p. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), October

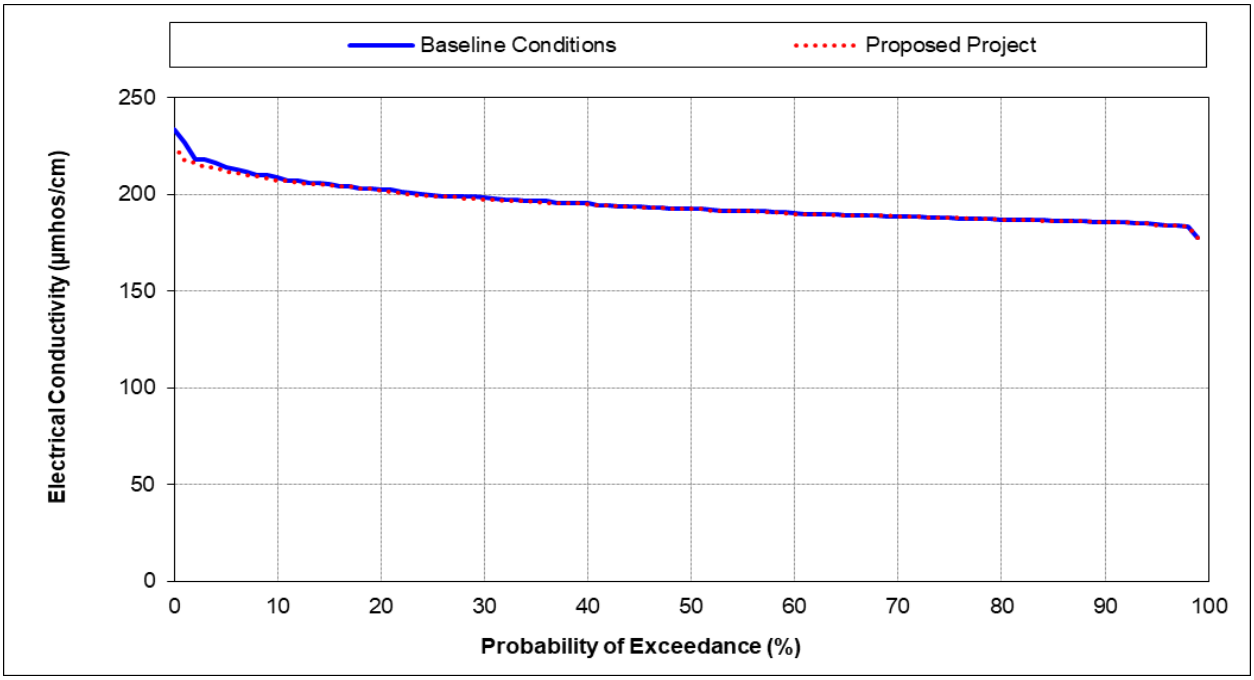

Figure 5B-2q. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), November

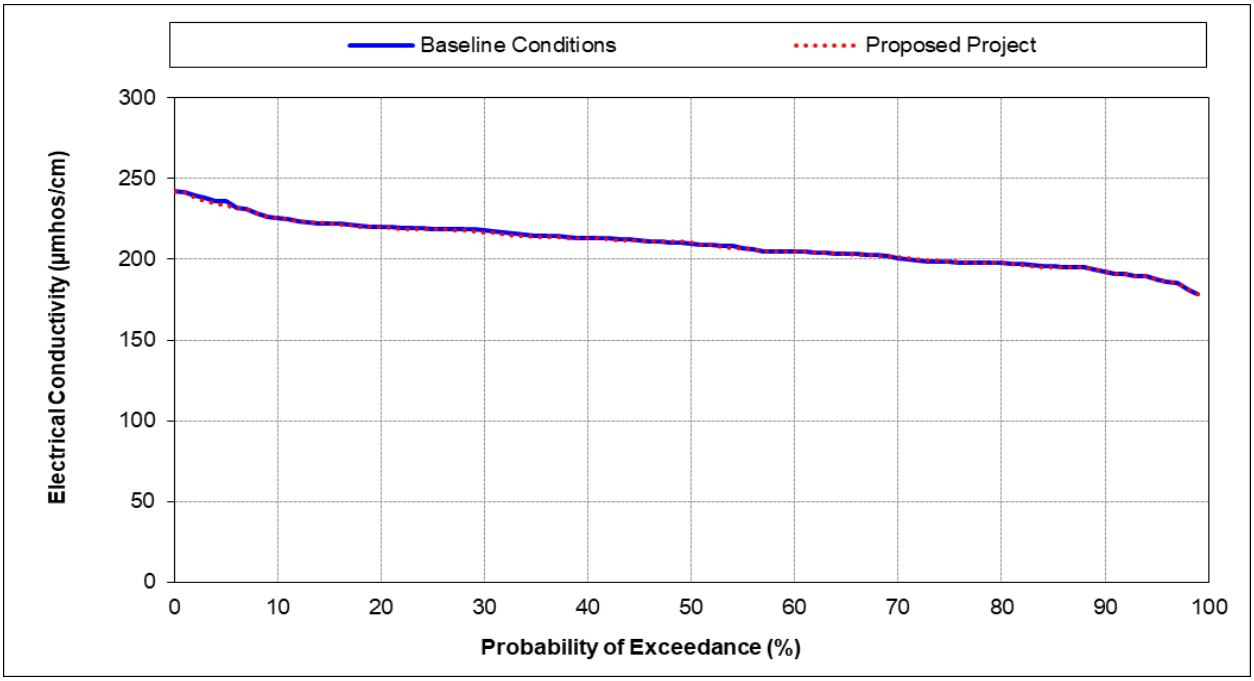

Figure 5B-2r. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), December

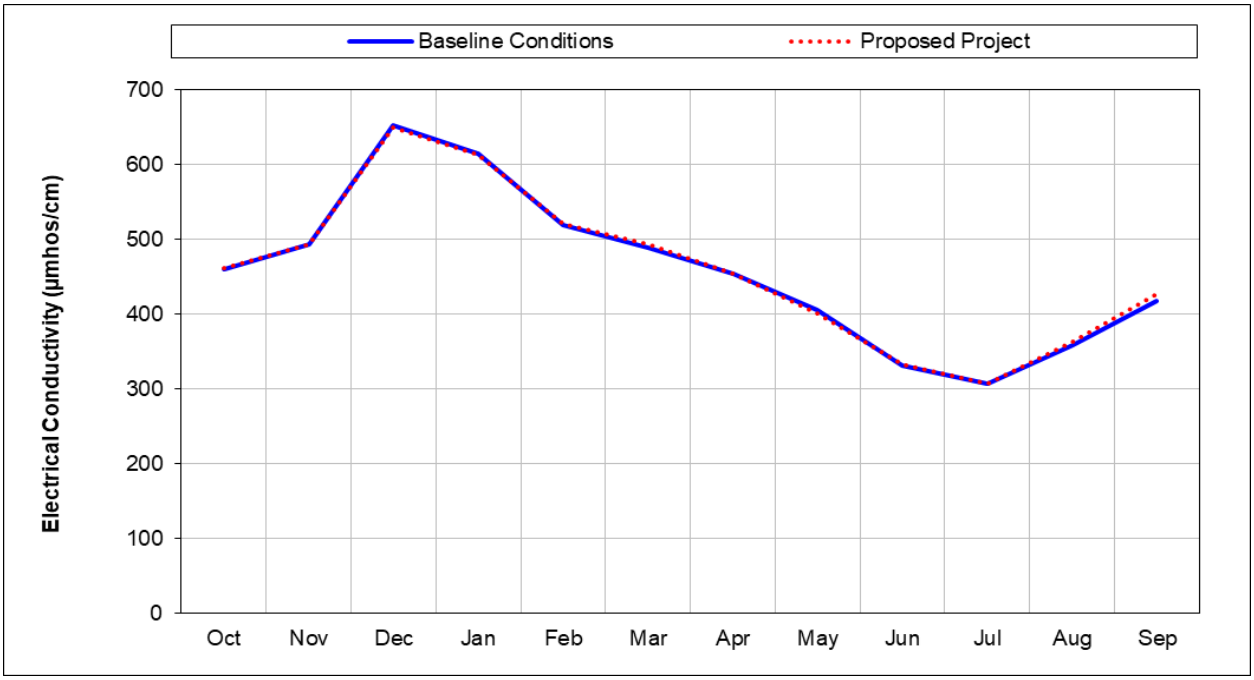

Figure 5B-3a. Banks Pumping Plant, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)

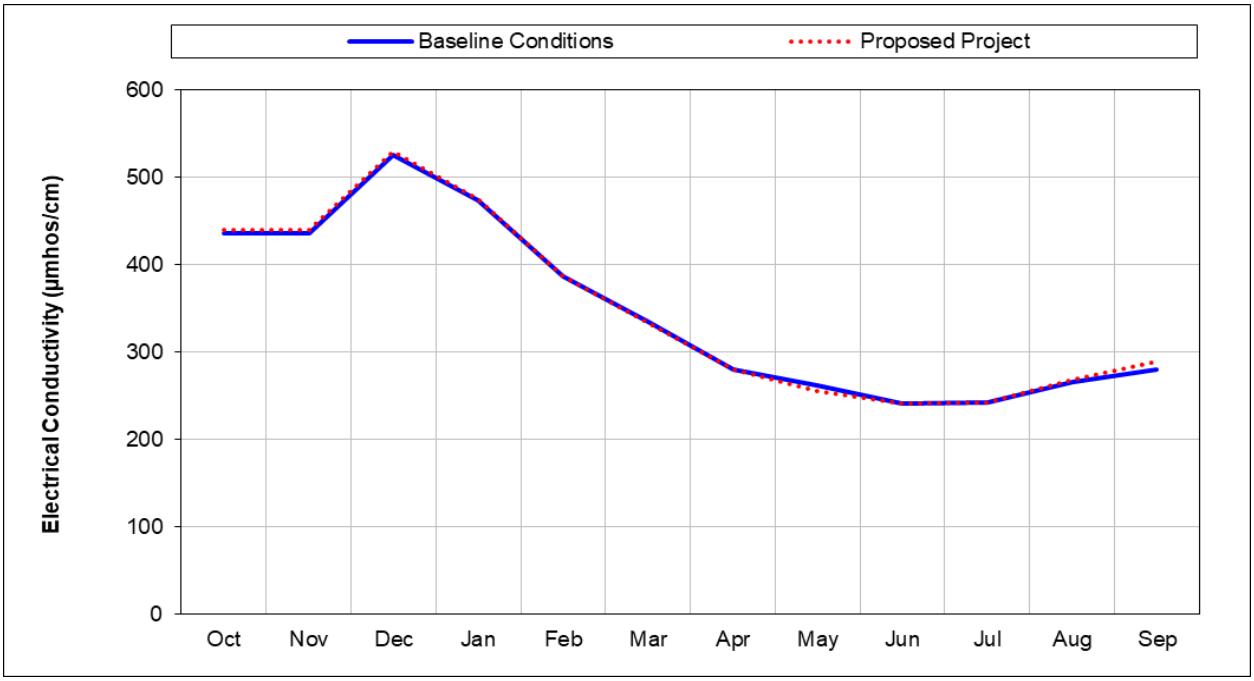

Figure 5B-3b. Banks Pumping Plant, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

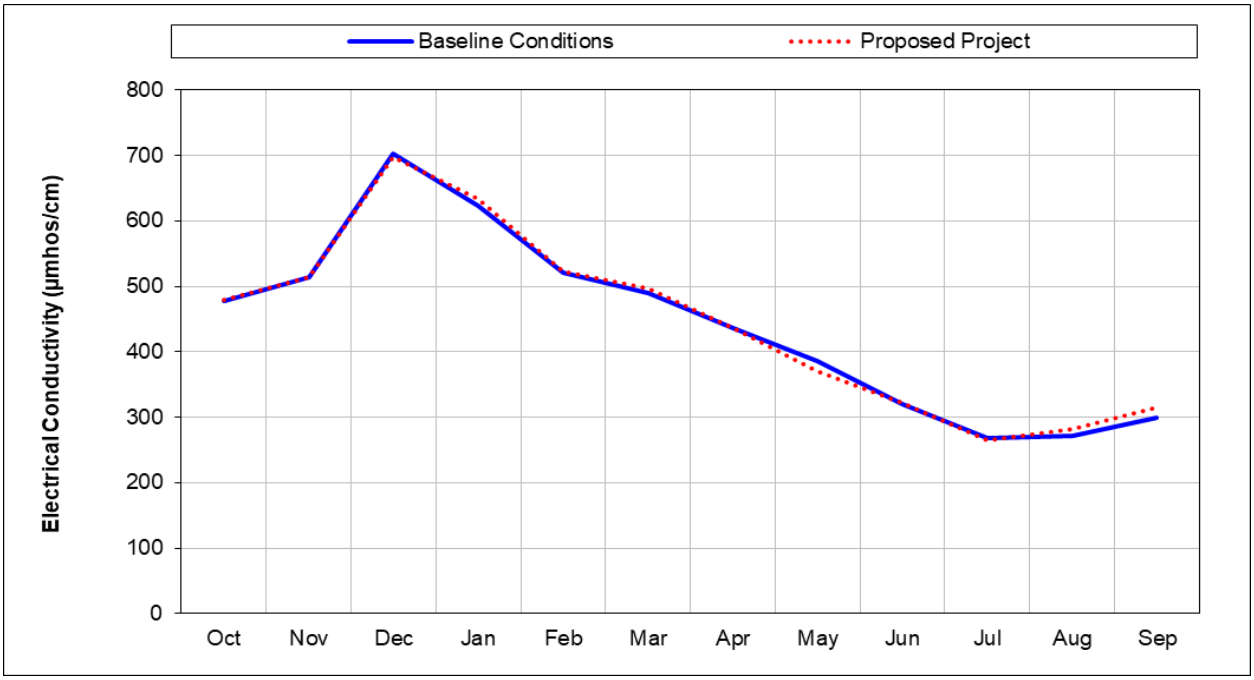

Figure 5B-3c. Banks Pumping Plant, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

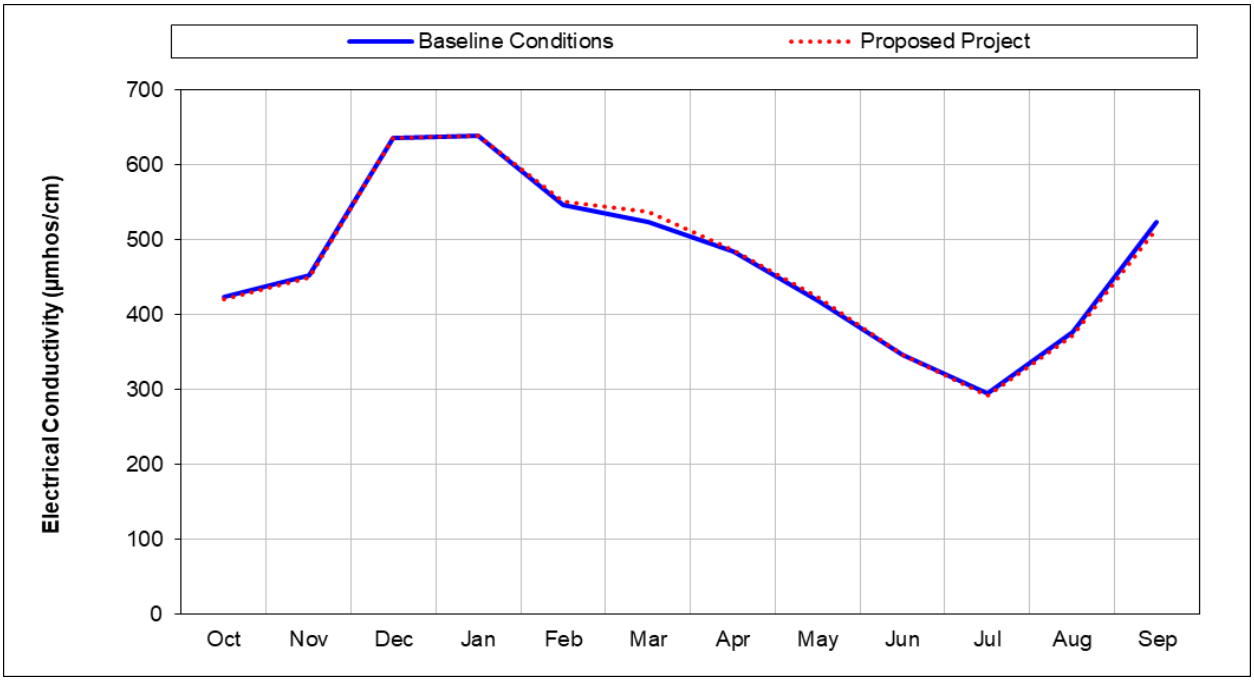

Figure 5B-3d. Banks Pumping Plant, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

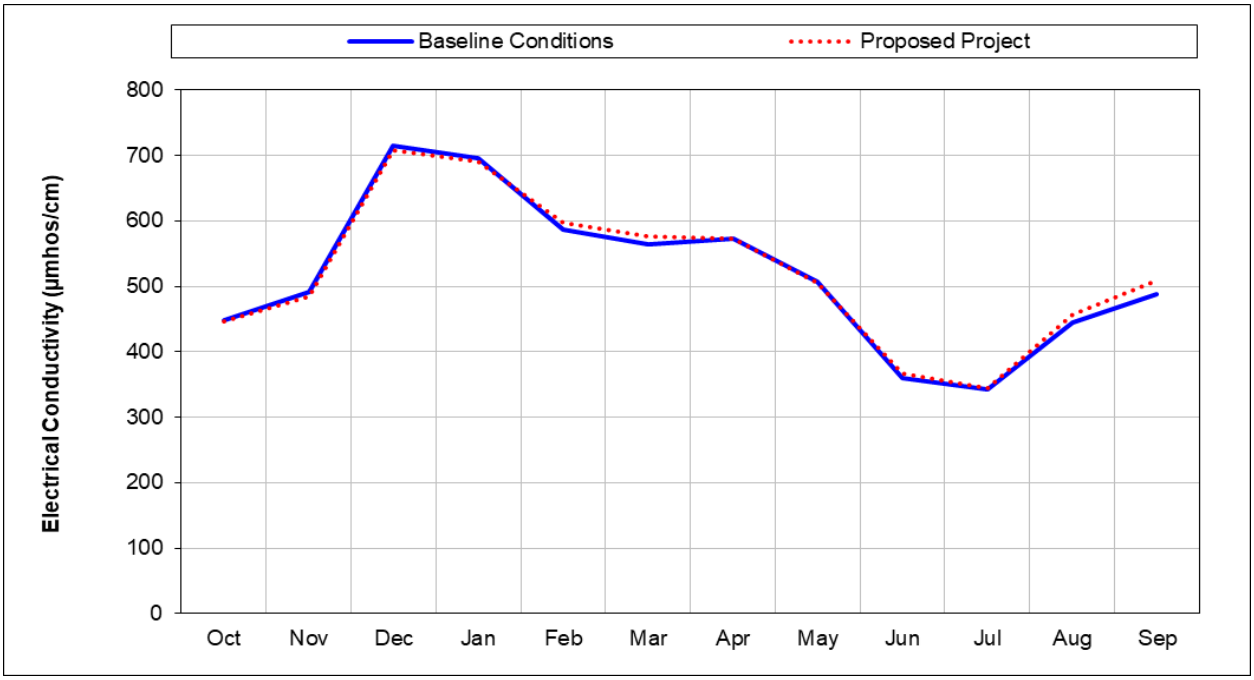

Figure 5B-3e. Banks Pumping Plant, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

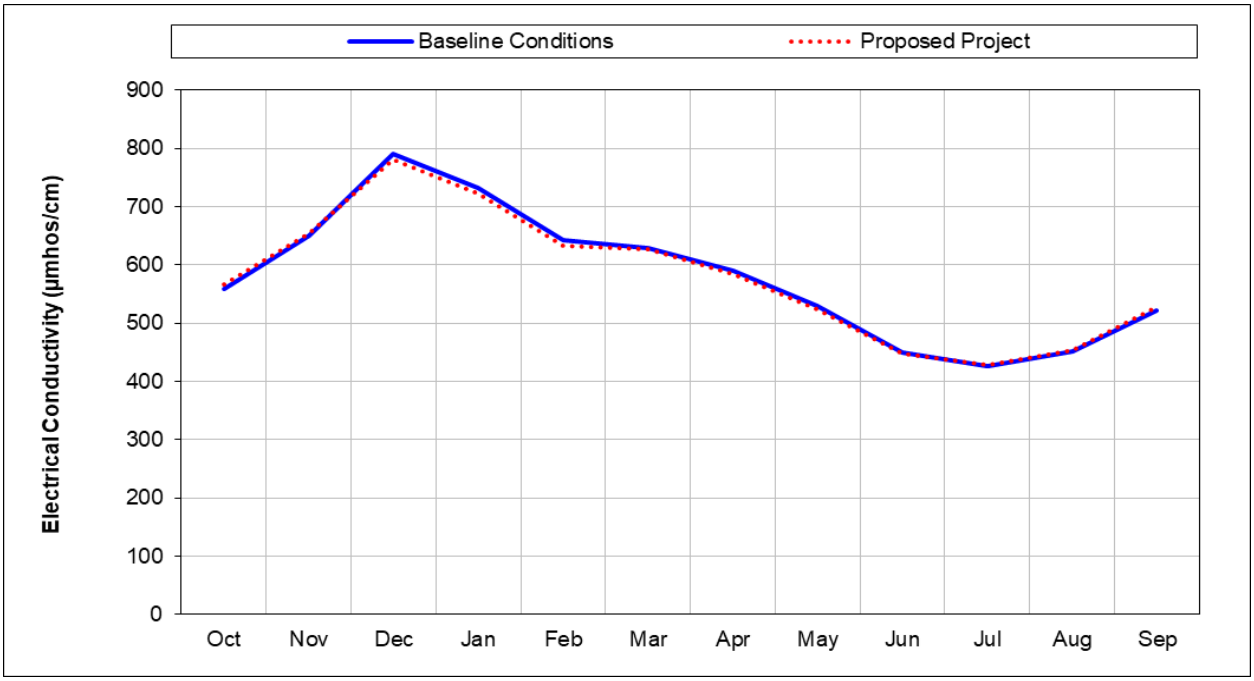

Figure 5B-3f. Banks Pumping Plant, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

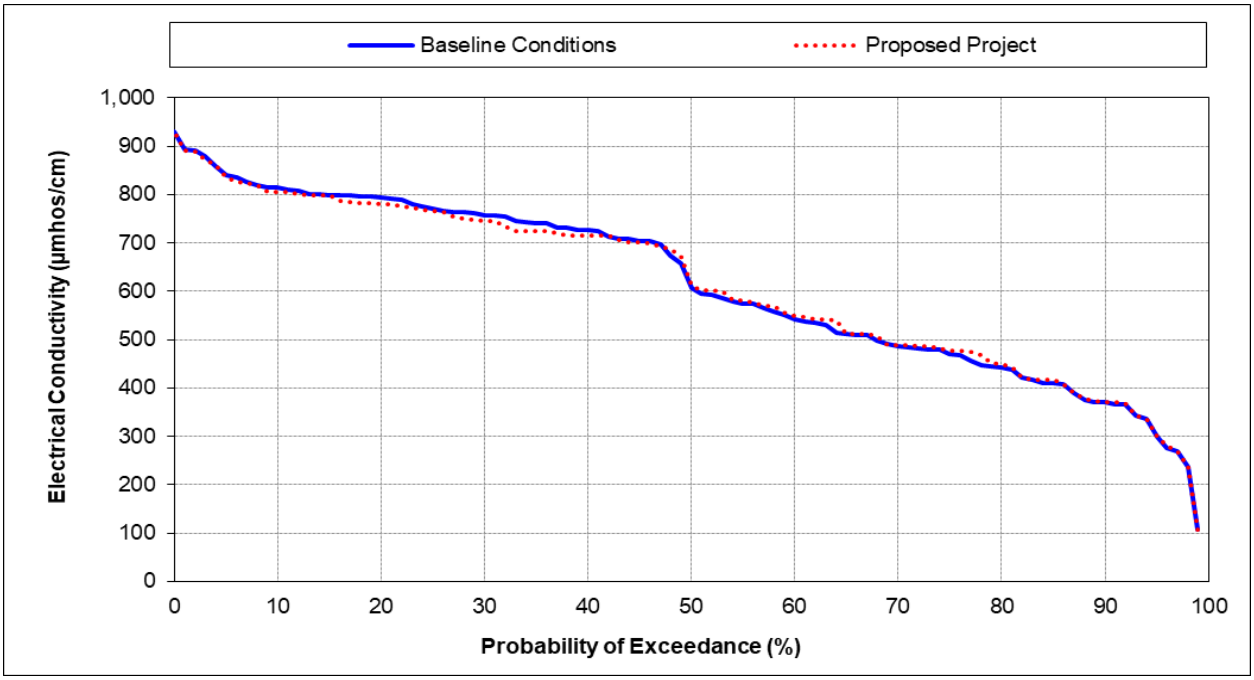

Figure 5B-3g. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), January

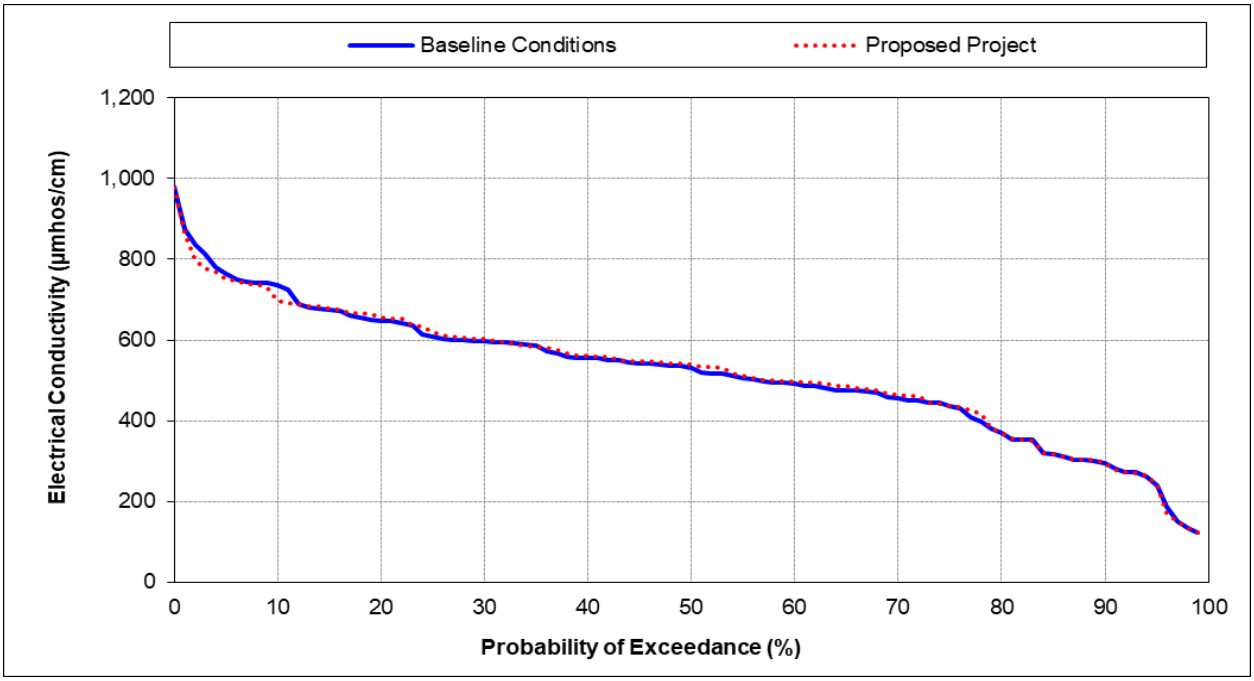

Figure 5B-3h. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), February

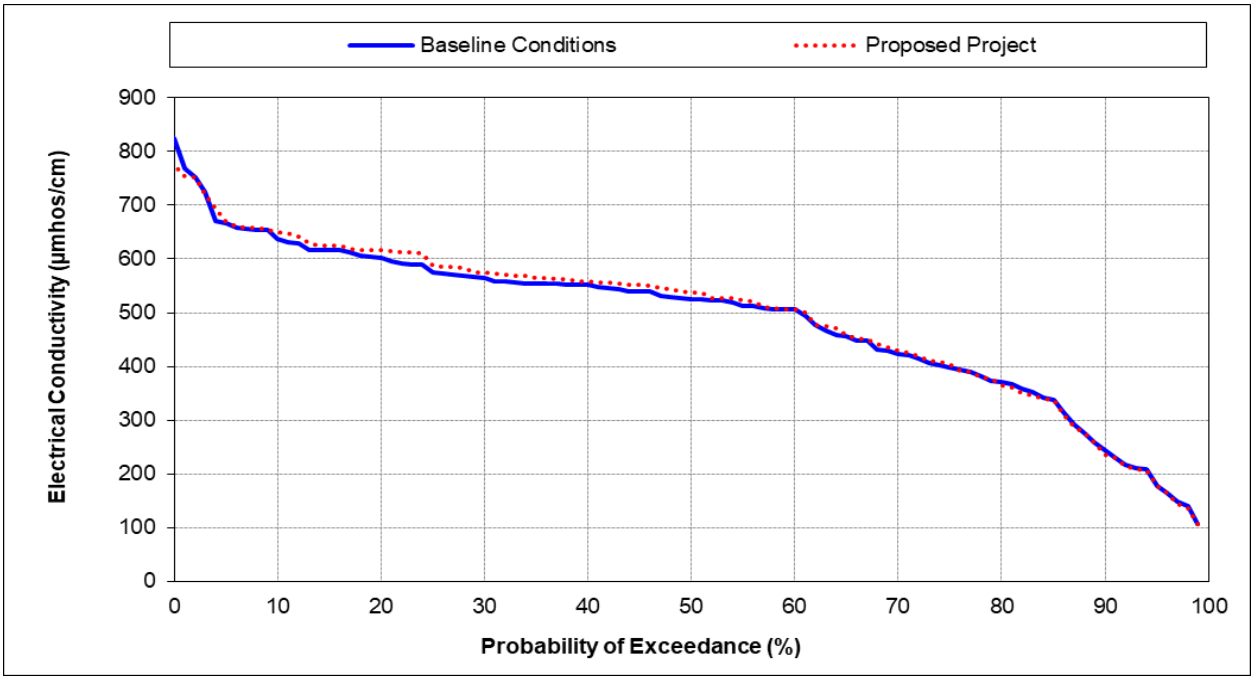

Figure 5B-3i. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), March

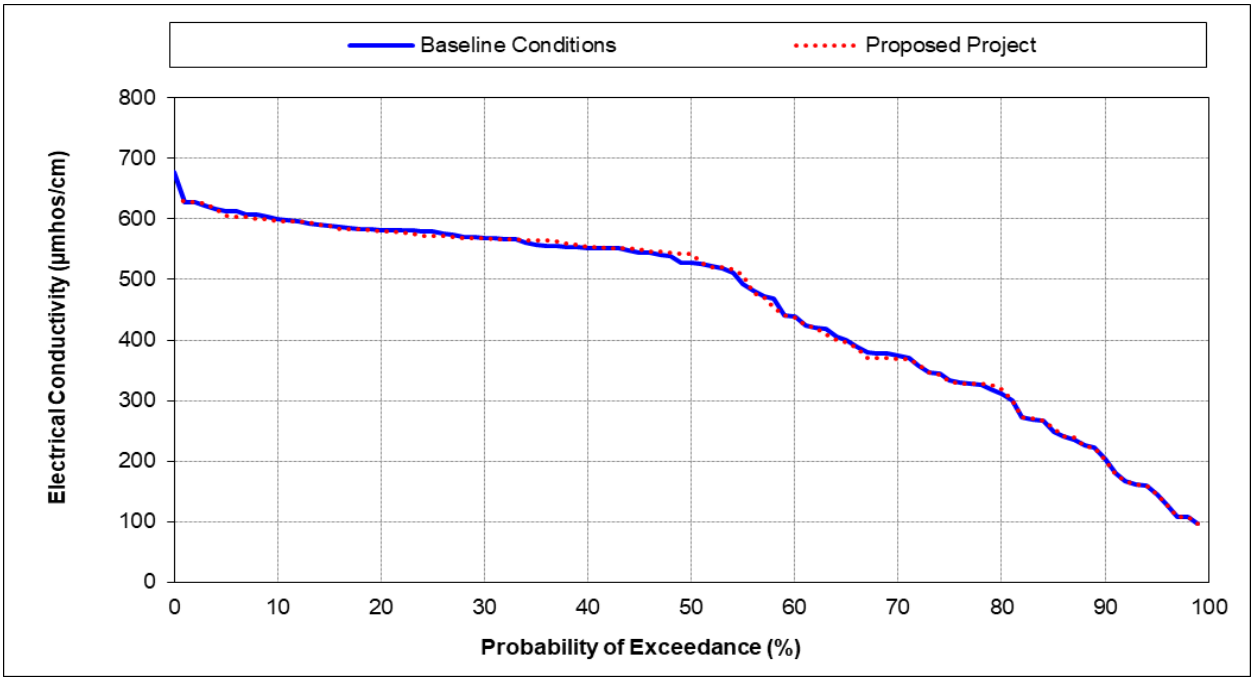

Figure 5B-3j. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), April

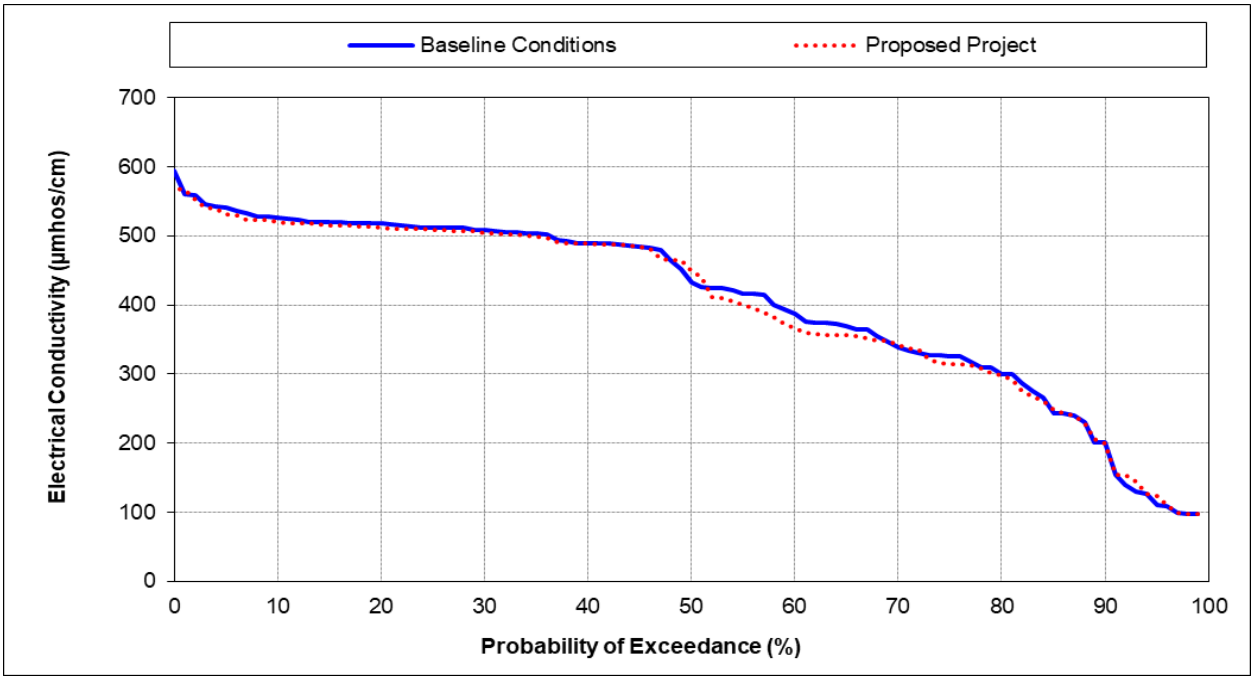

Figure 5B-3k. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), May

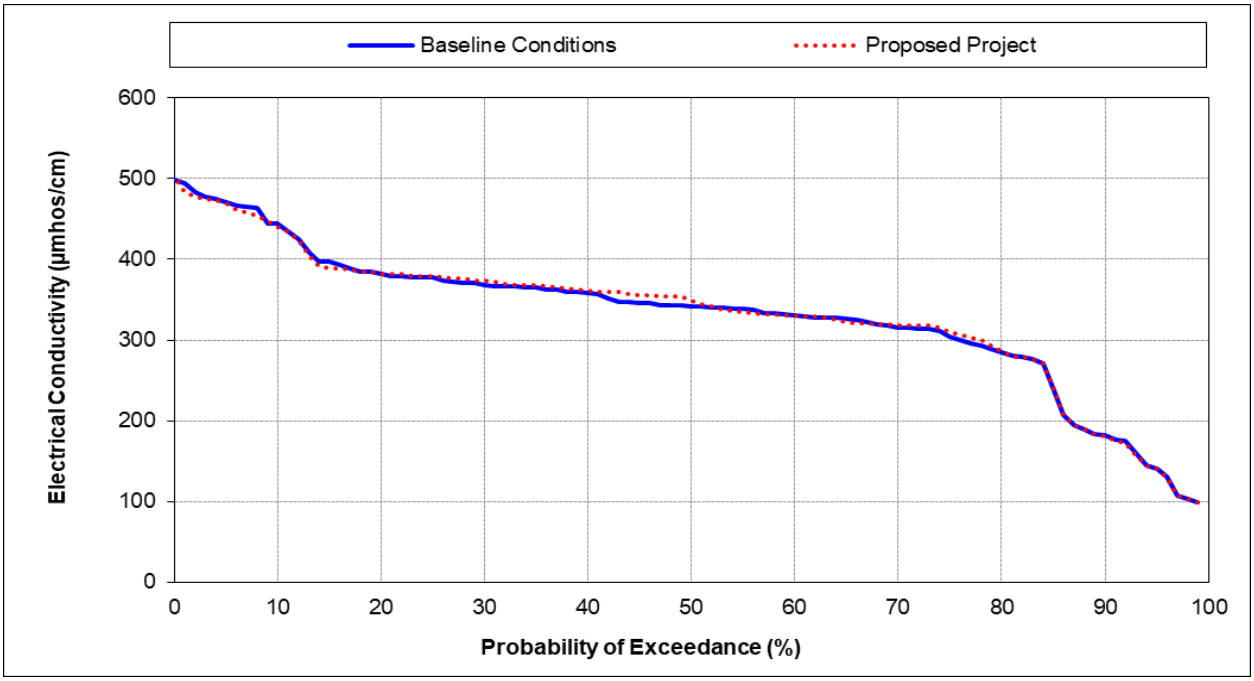

Figure 5B-3l. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), June

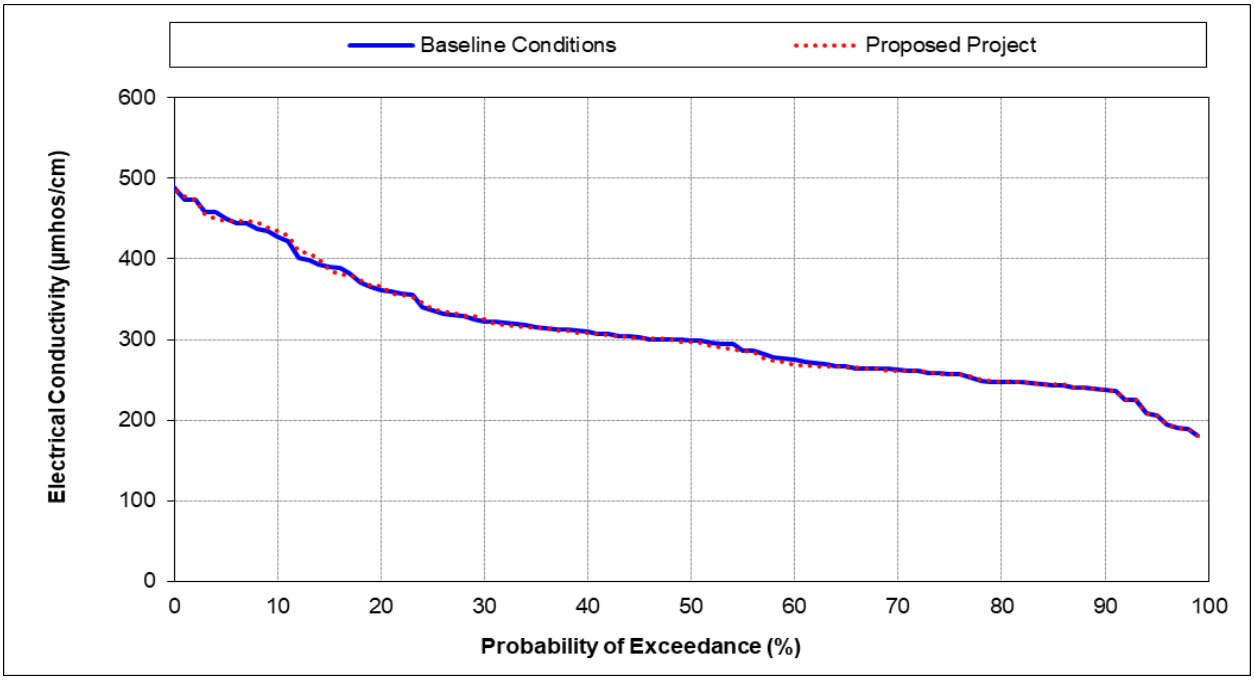

Figure 5B-3m. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), July

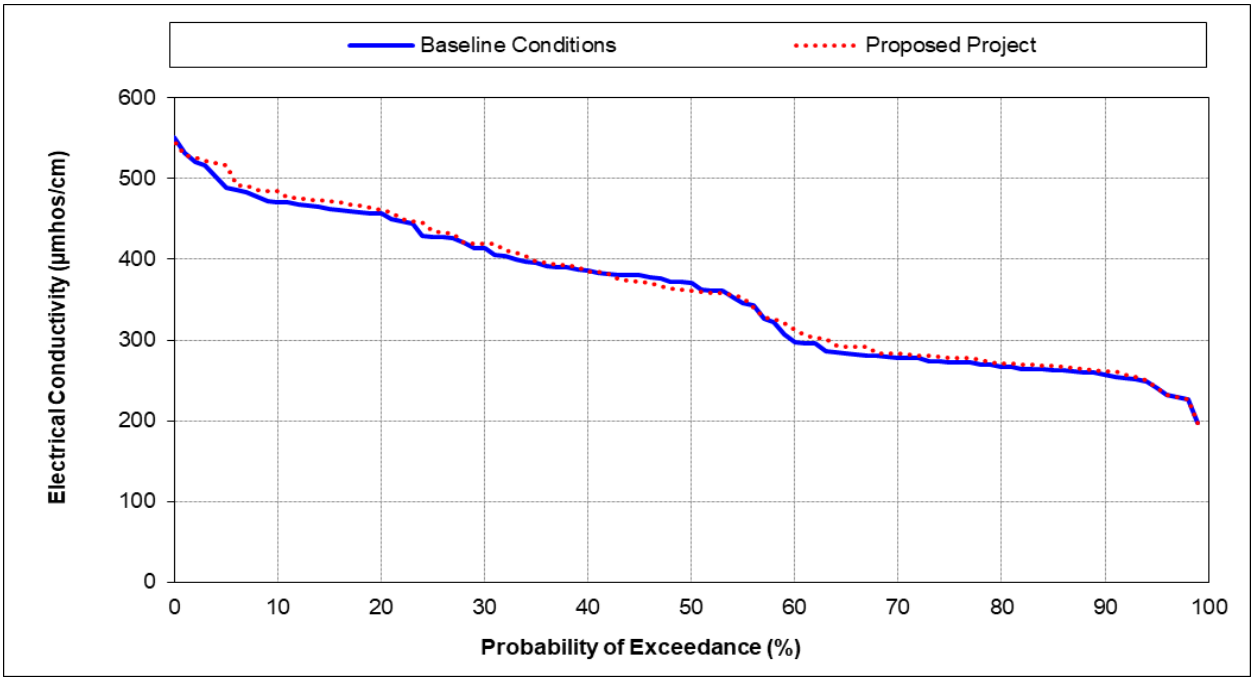

Figure 5B-3n. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), August

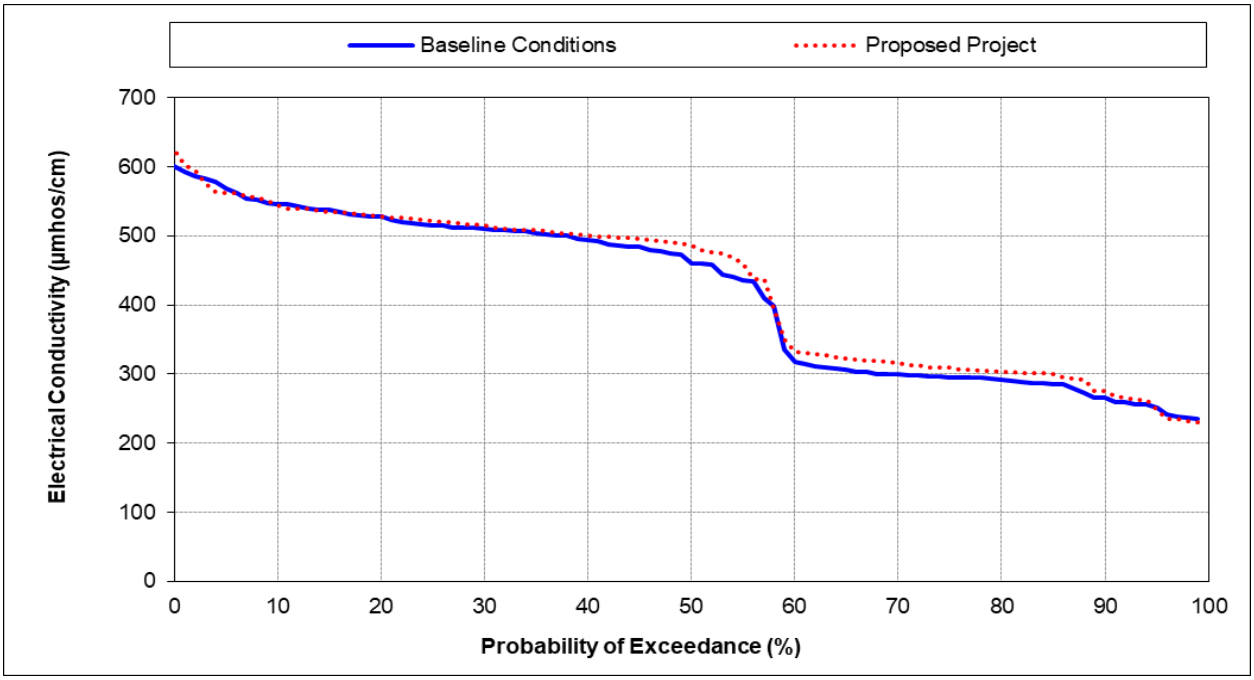

Figure 5B-3o. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), September

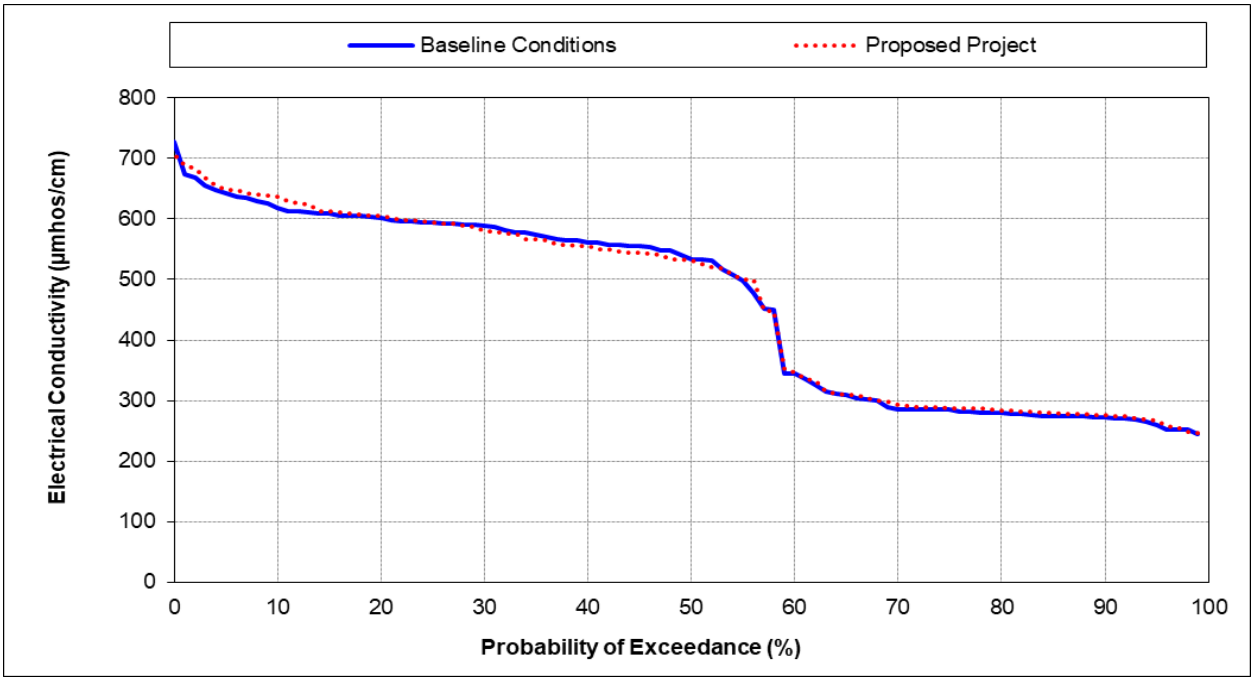

Figure 5B-3p. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), October

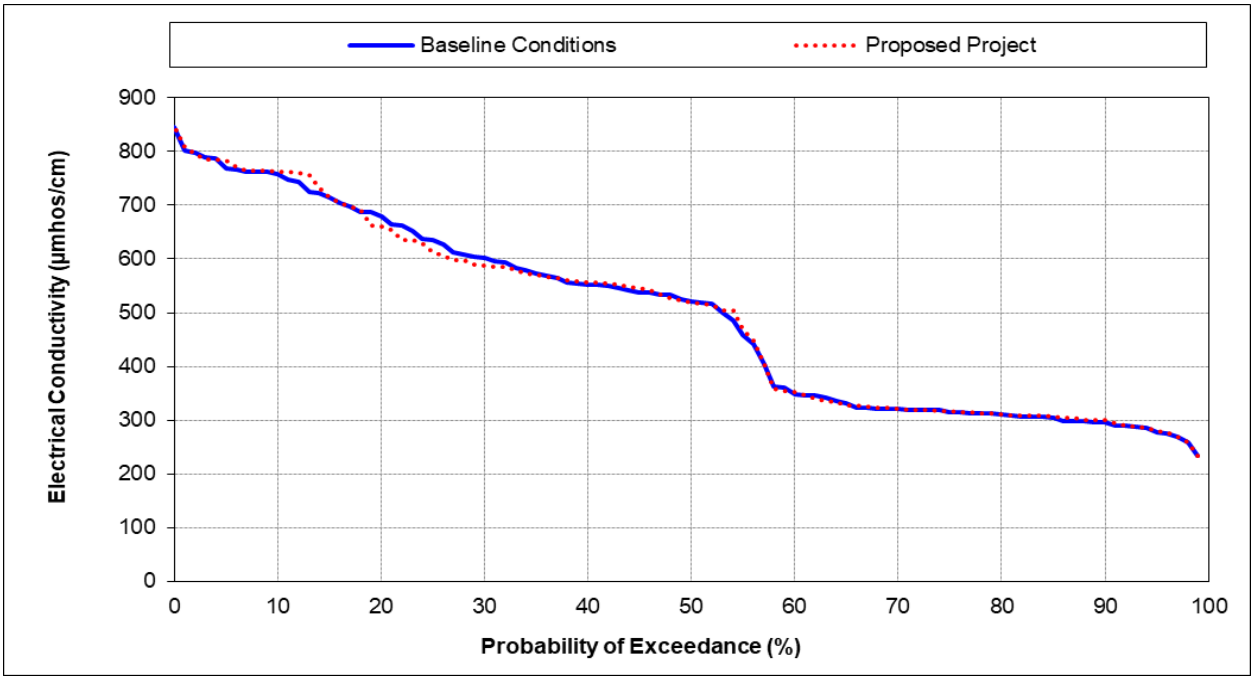

Figure 5B-3q. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), November

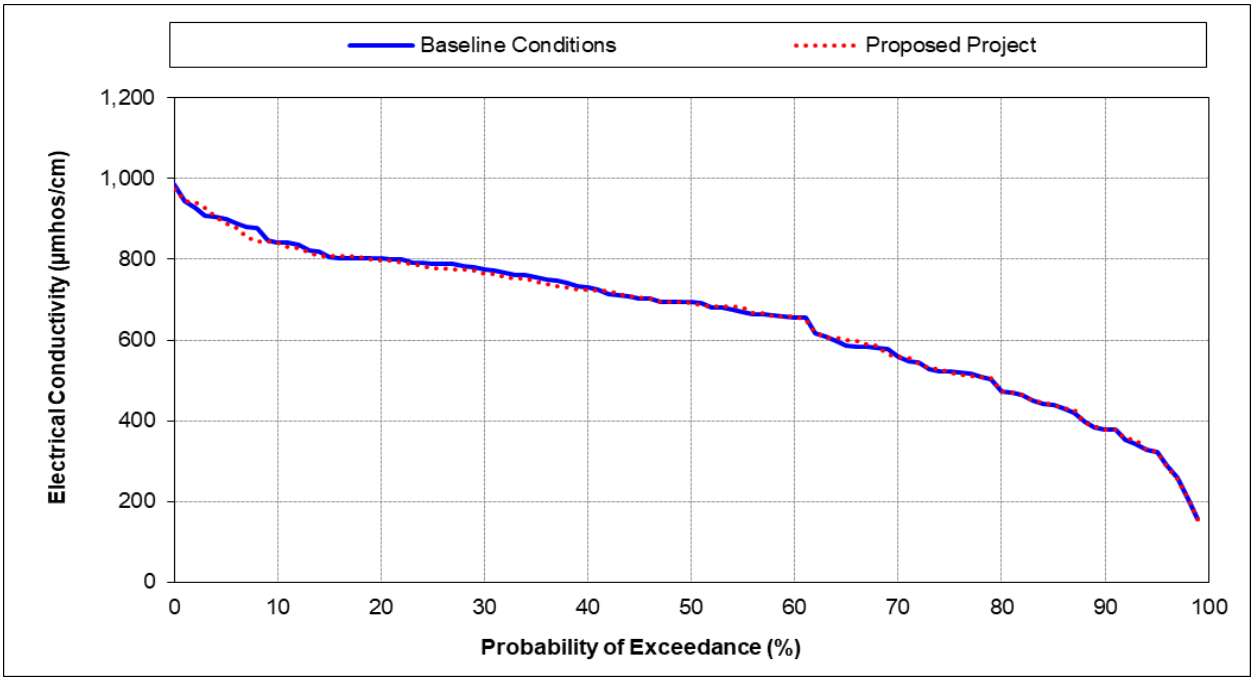

Figure 5B-3r. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), December

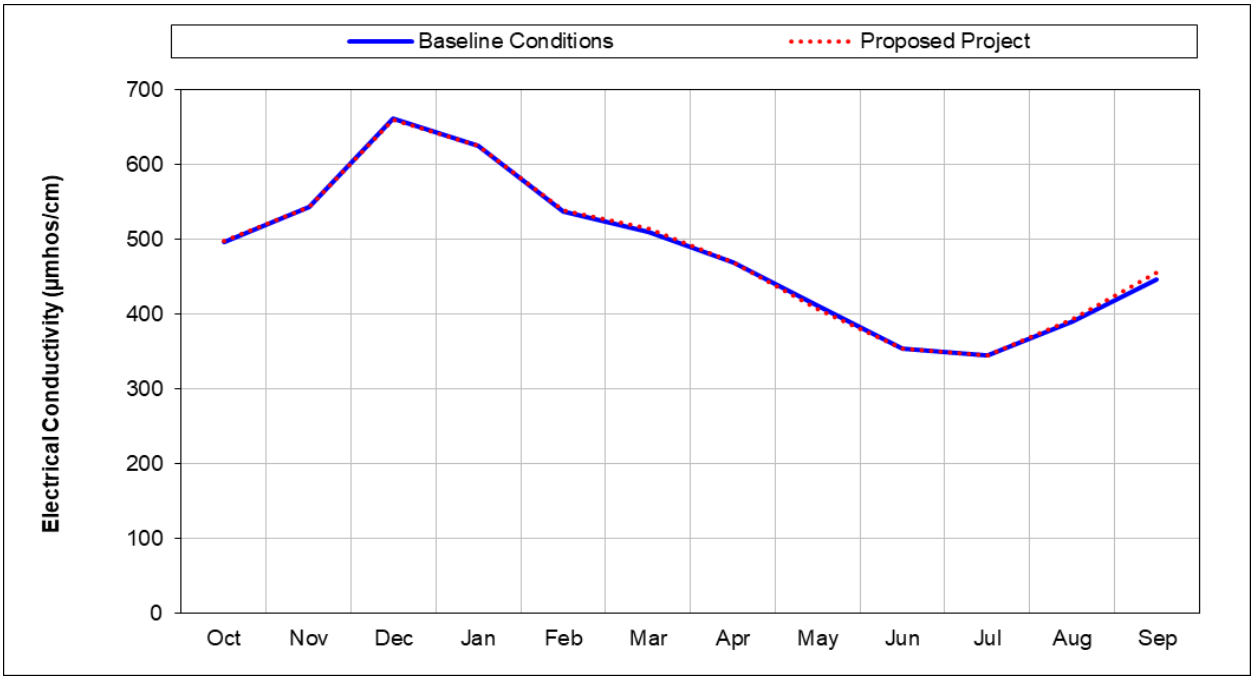

Figure 5B-4a. Jones Pumping Plant, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)

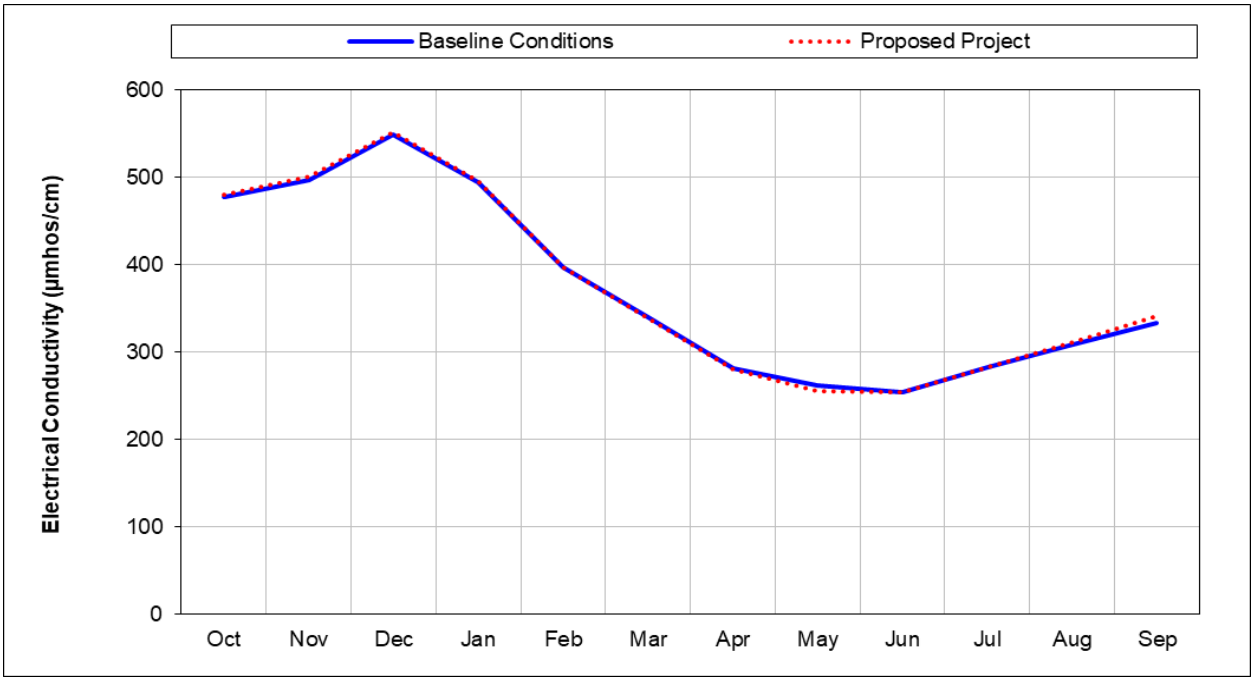

Figure 5B-4b. Jones Pumping Plant, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

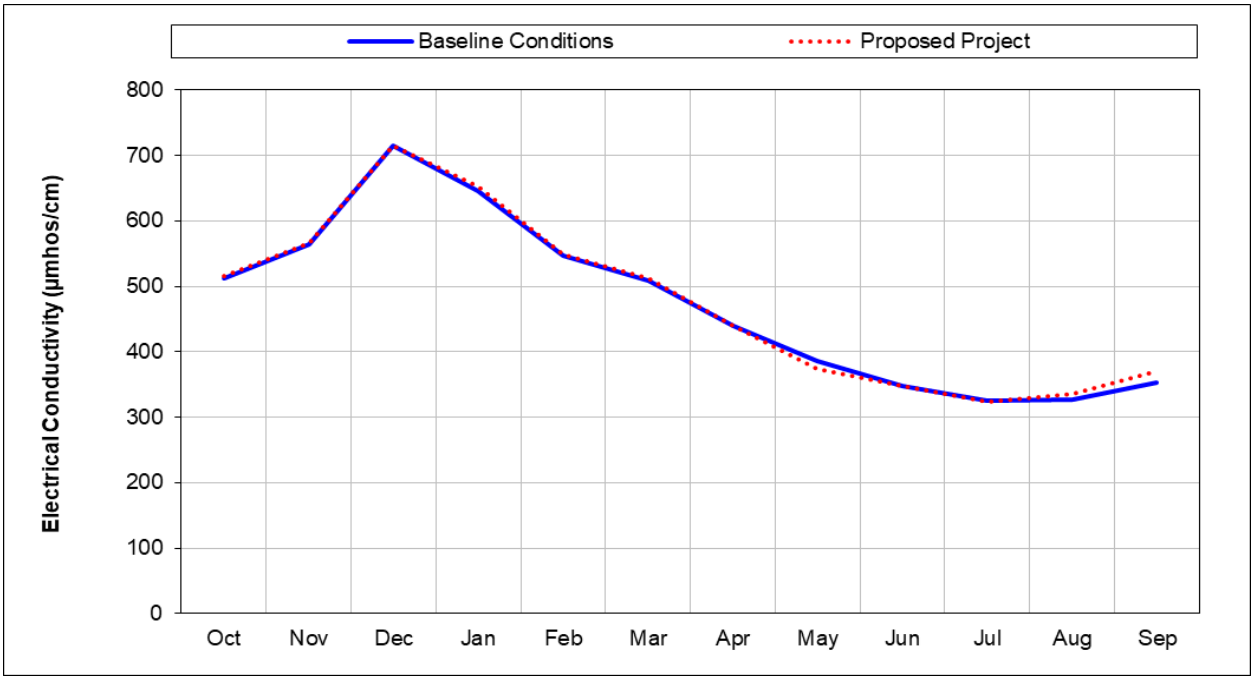

Figure 5B-4c. Jones Pumping Plant, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

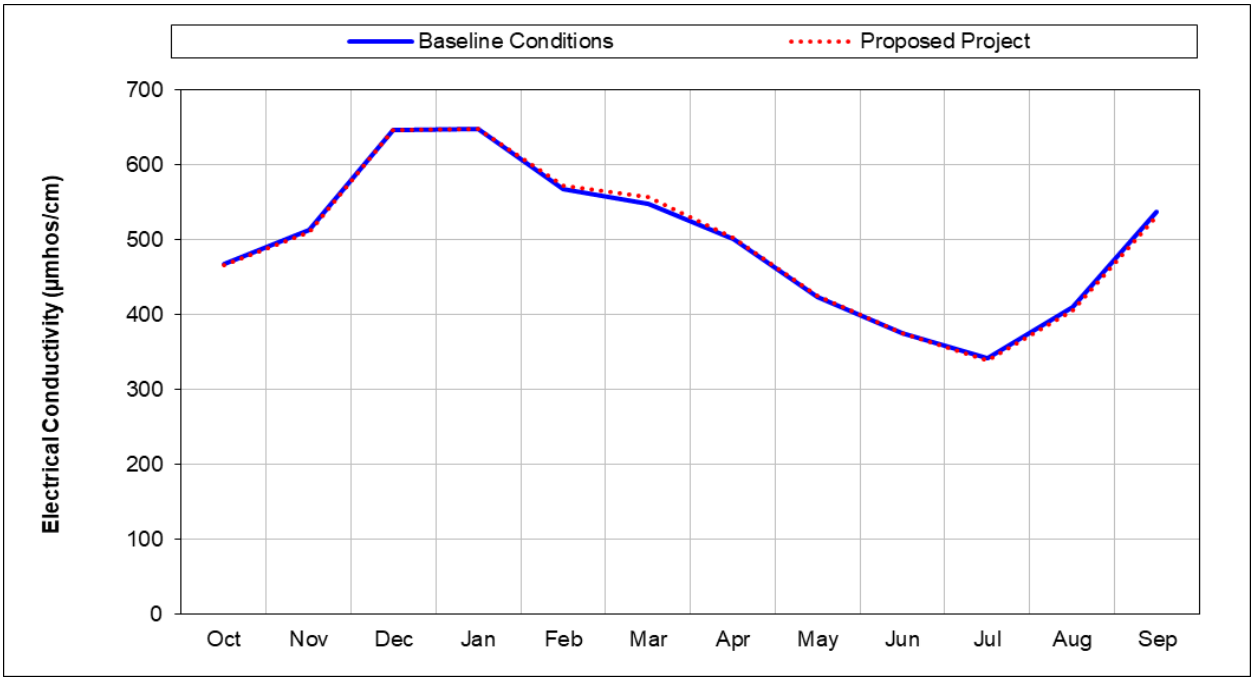

Figure 5B-4d. Jones Pumping Plant, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

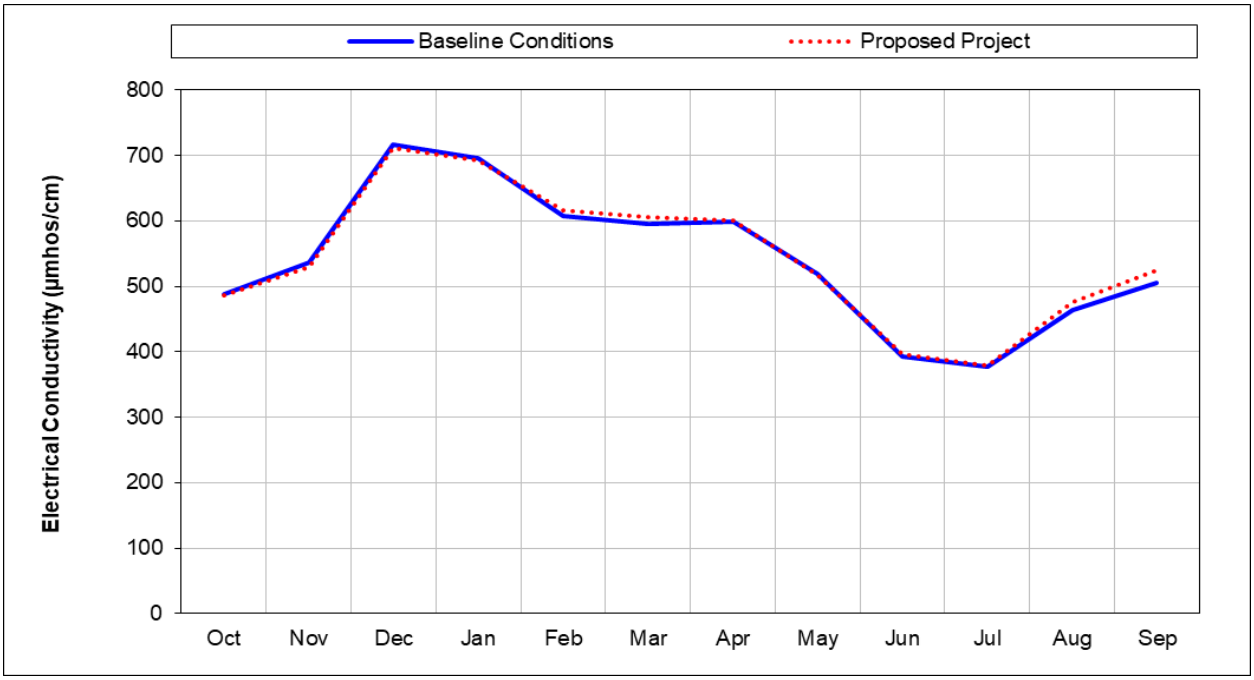

Figure 5B-4e. Jones Pumping Plant, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

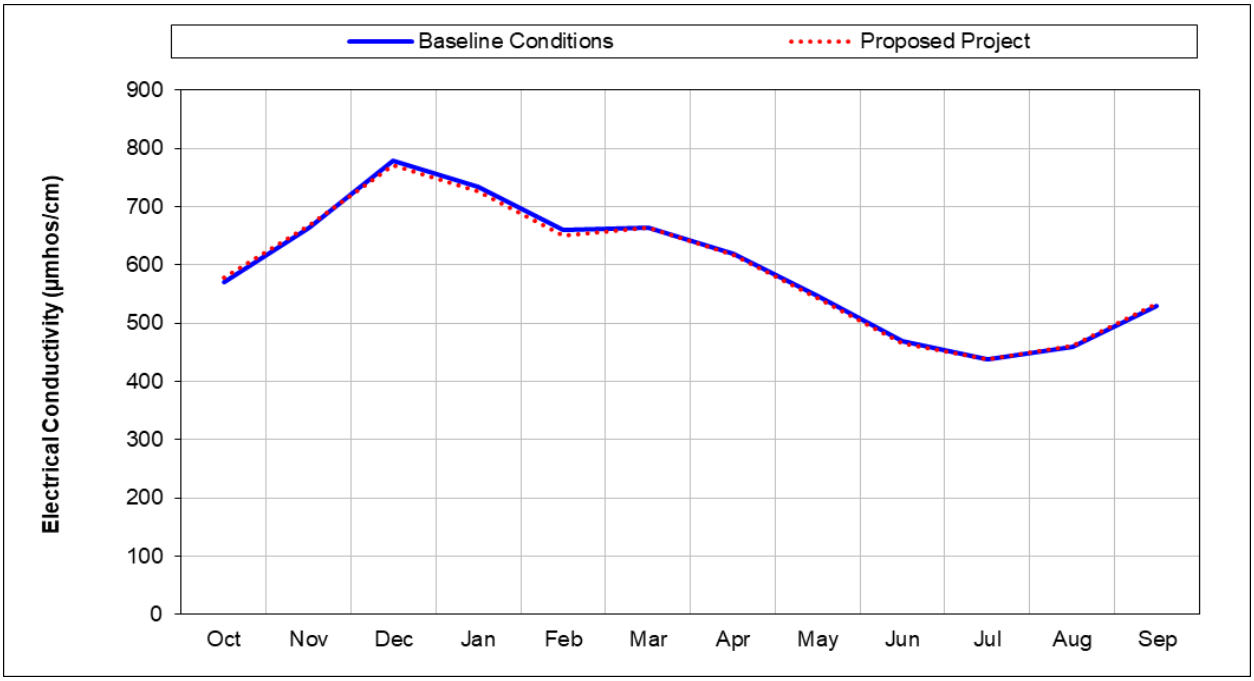

Figure 5B-4f. Jones Pumping Plant, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

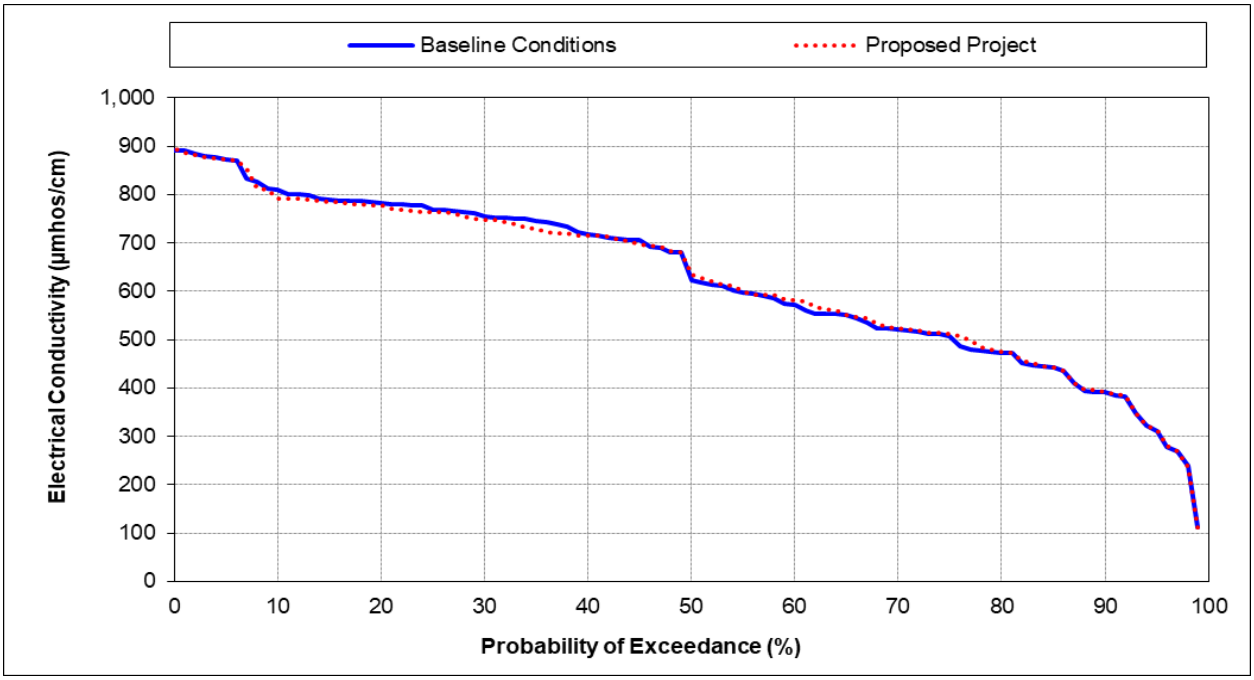

Figure 5B-4g. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), January

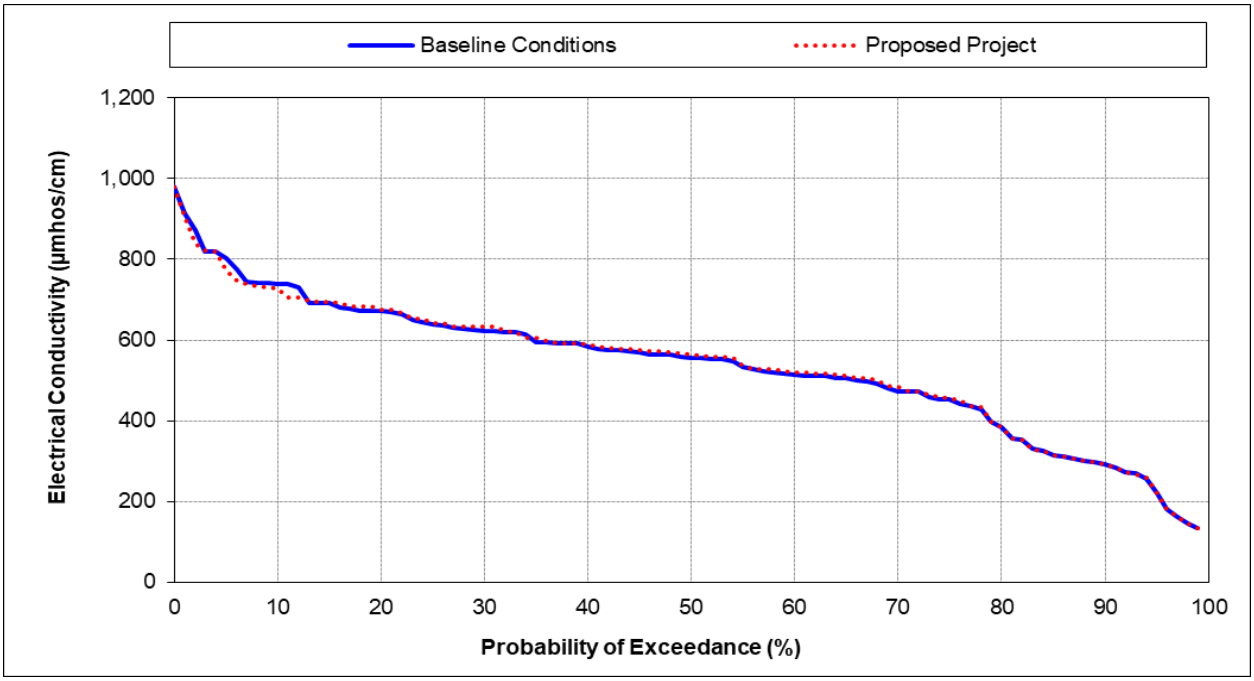

Figure 5B-4h. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), February

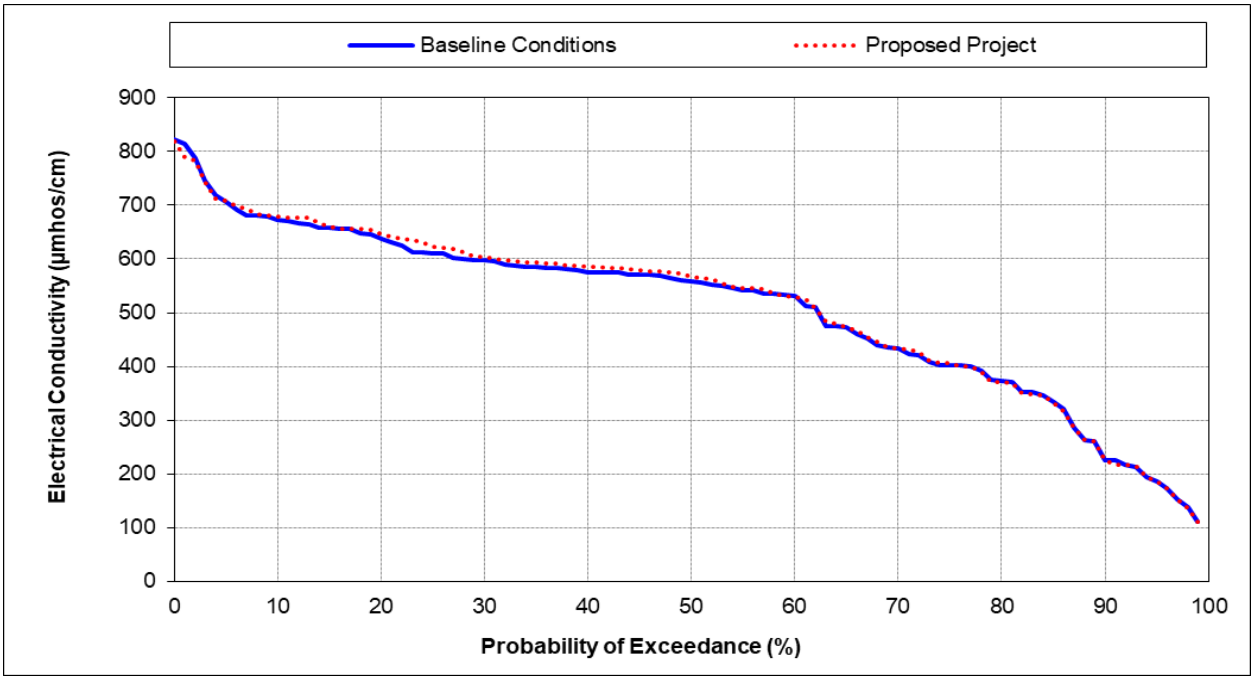

Figure 5B-4i. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), March

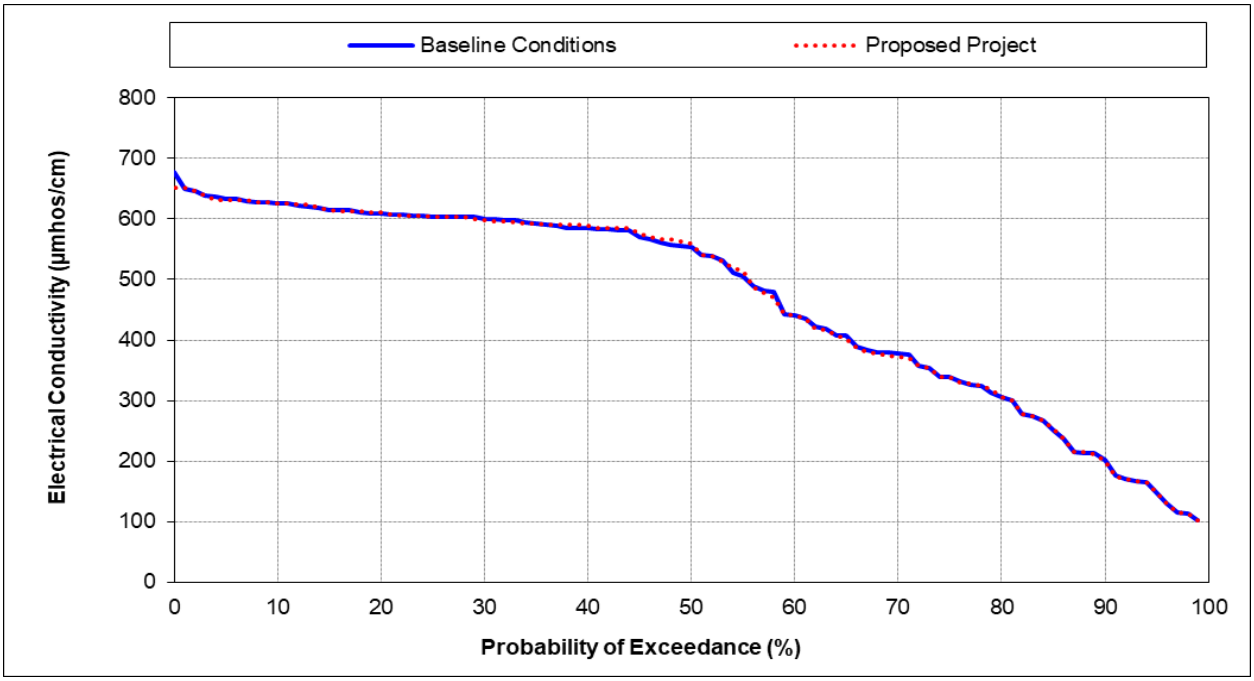

Figure 5B-4j. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), April

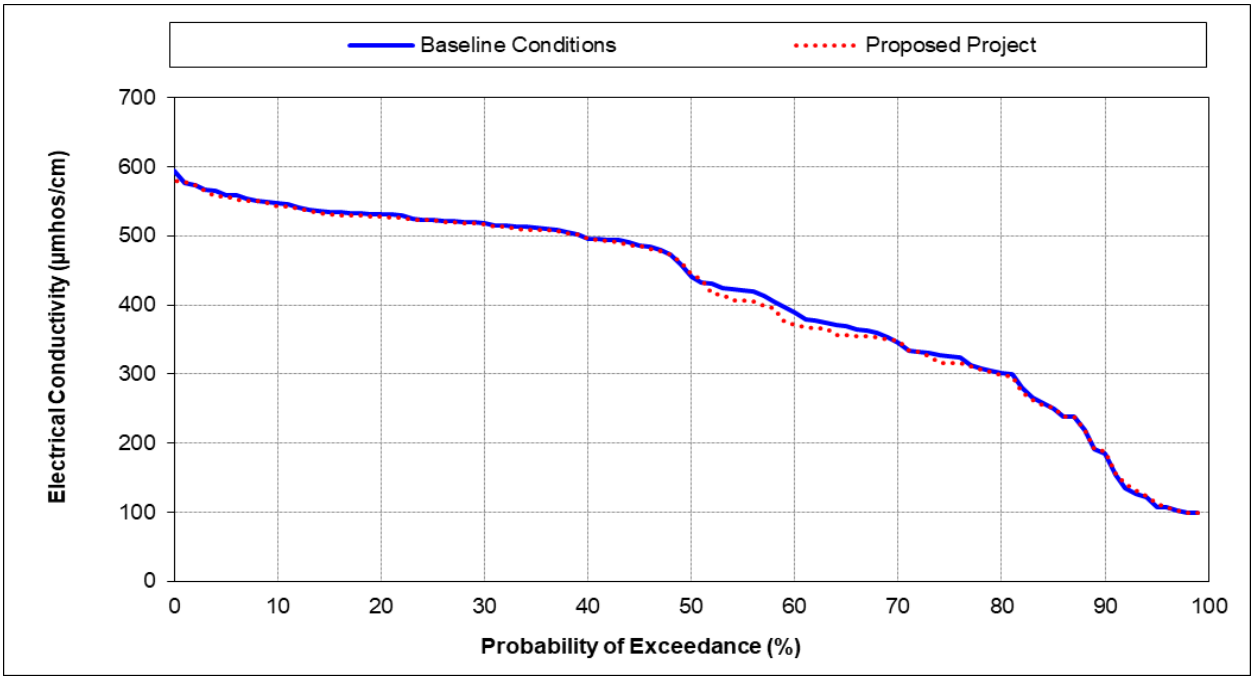

Figure 5B-4k. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), May

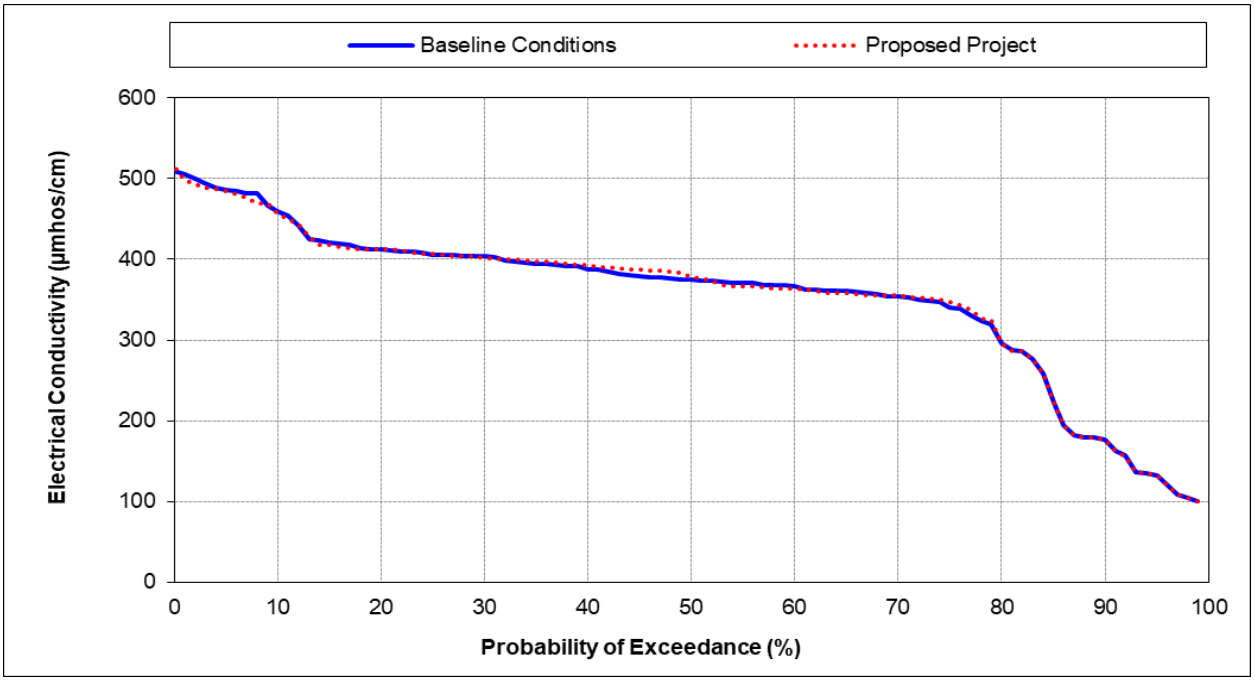

Figure 5B-4l. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), June

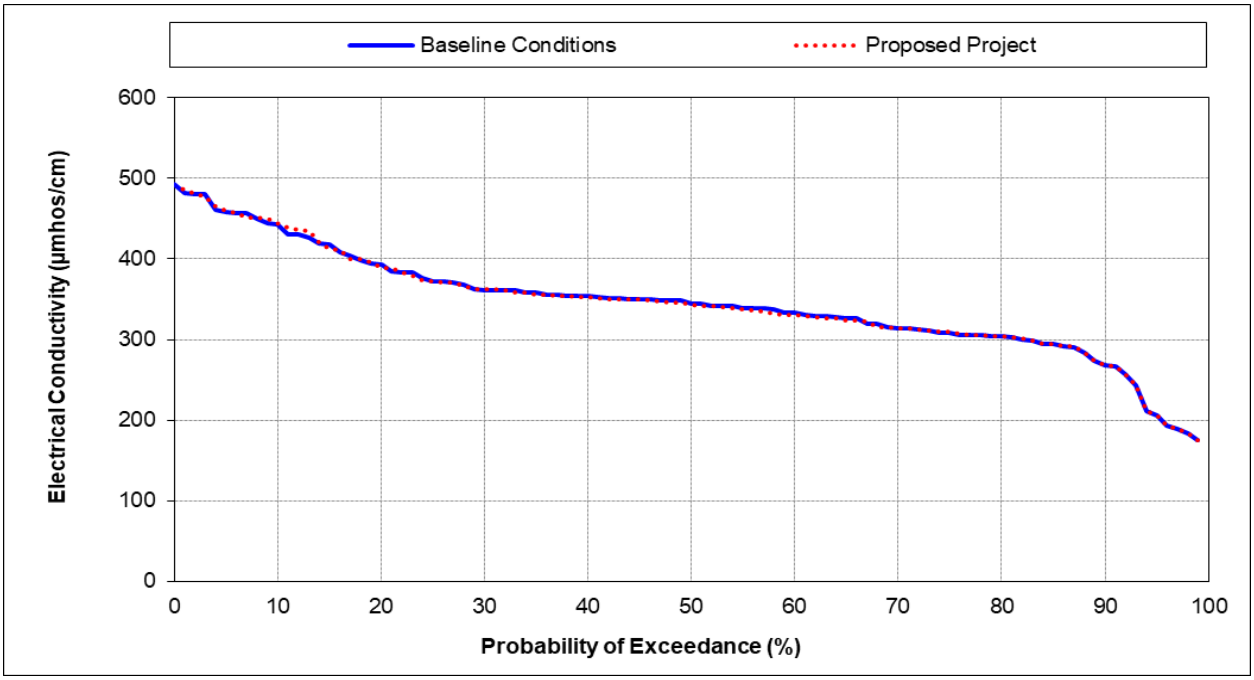

Figure 5B-4m. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), July

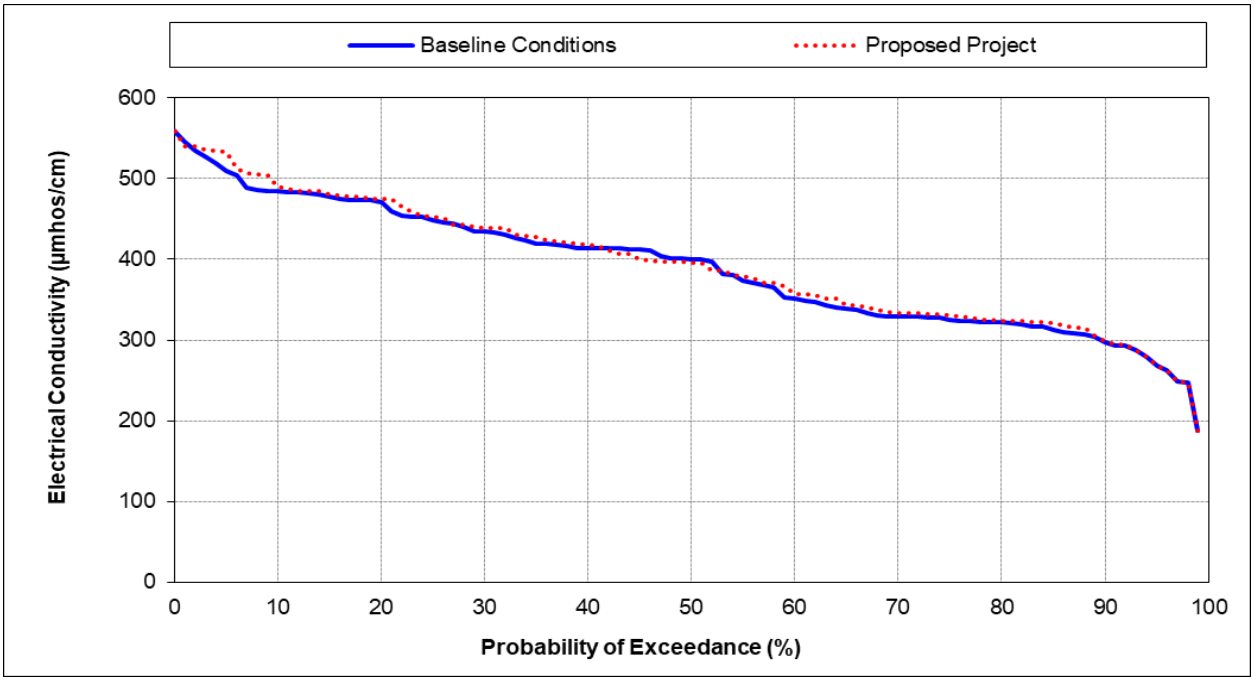

Figure 5B-4n. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), August

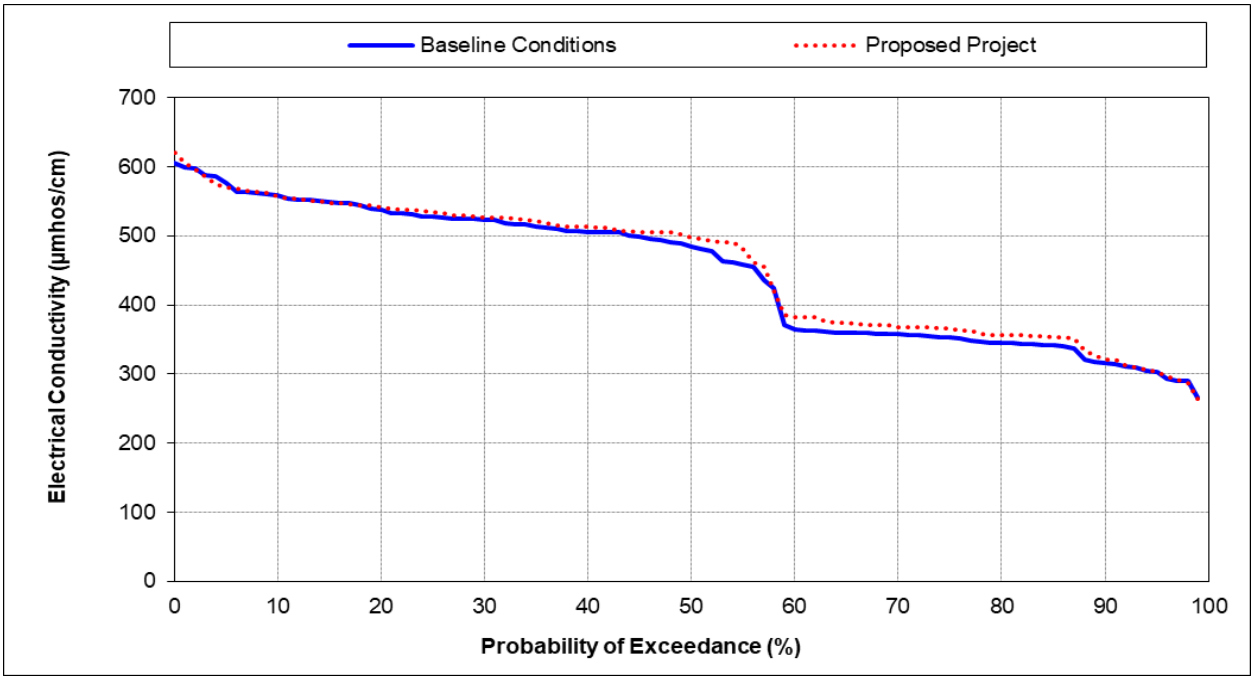

Figure 5B-4o. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), September

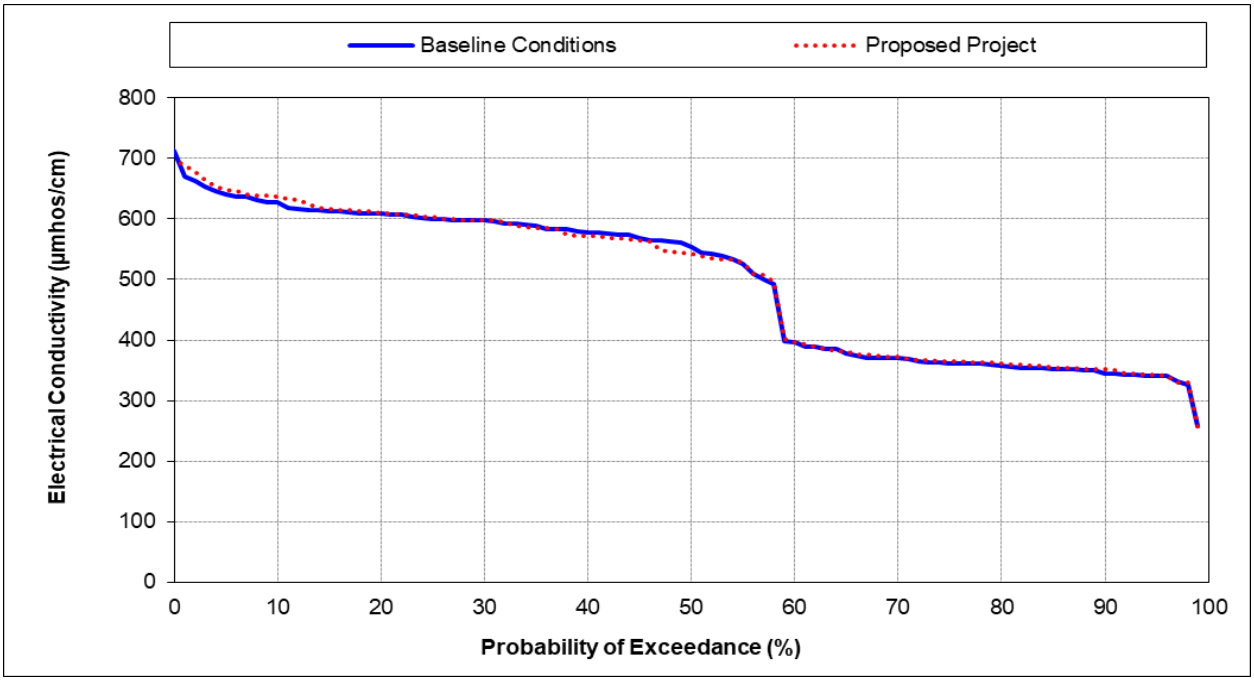

Figure 5B-4p. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), October

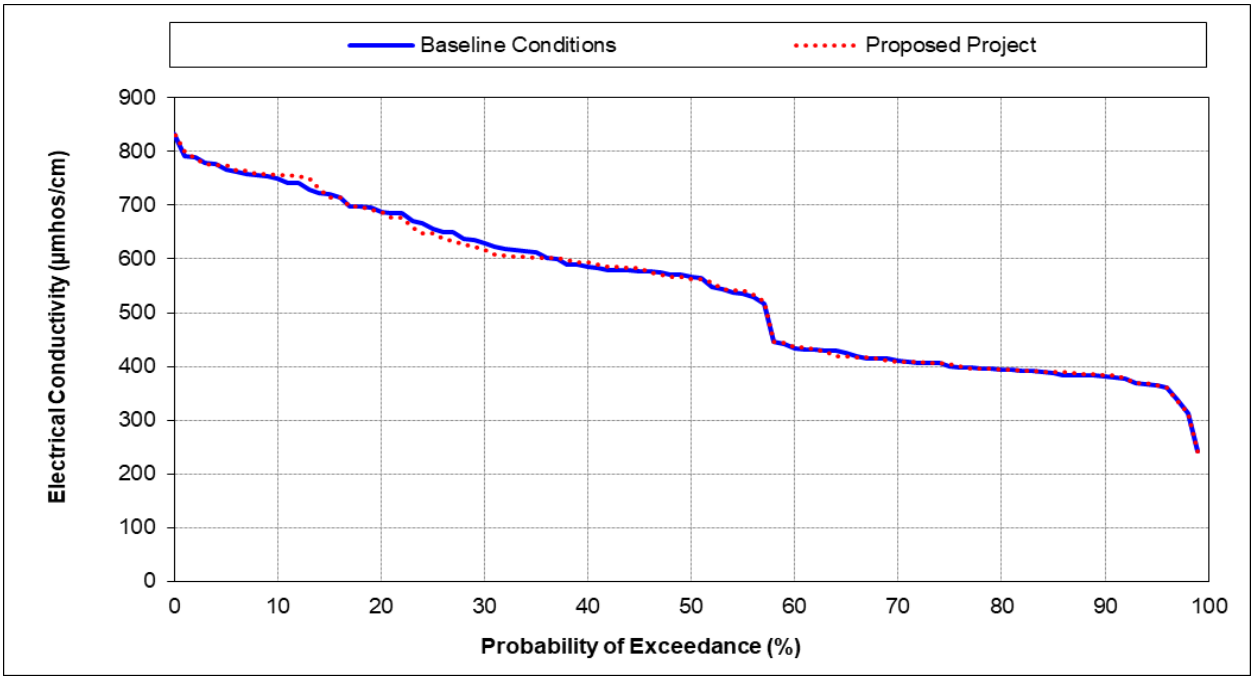

Figure 5B-4q. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), November

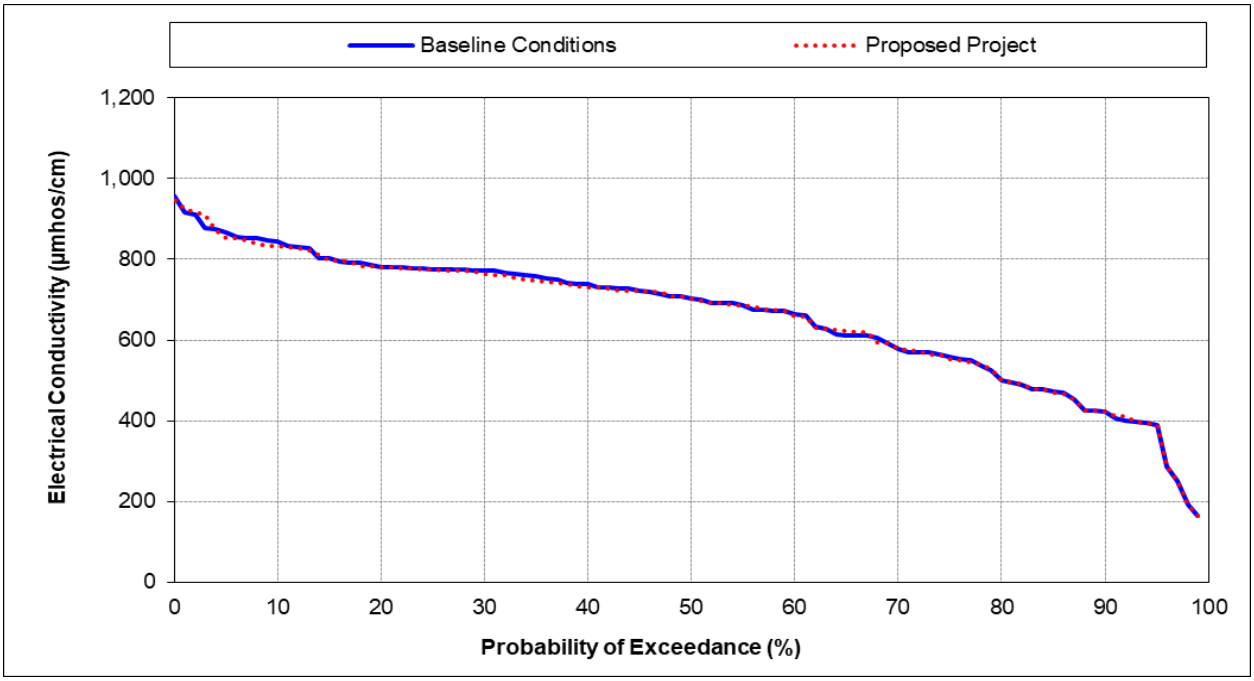

Figure 5B-4r. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), December

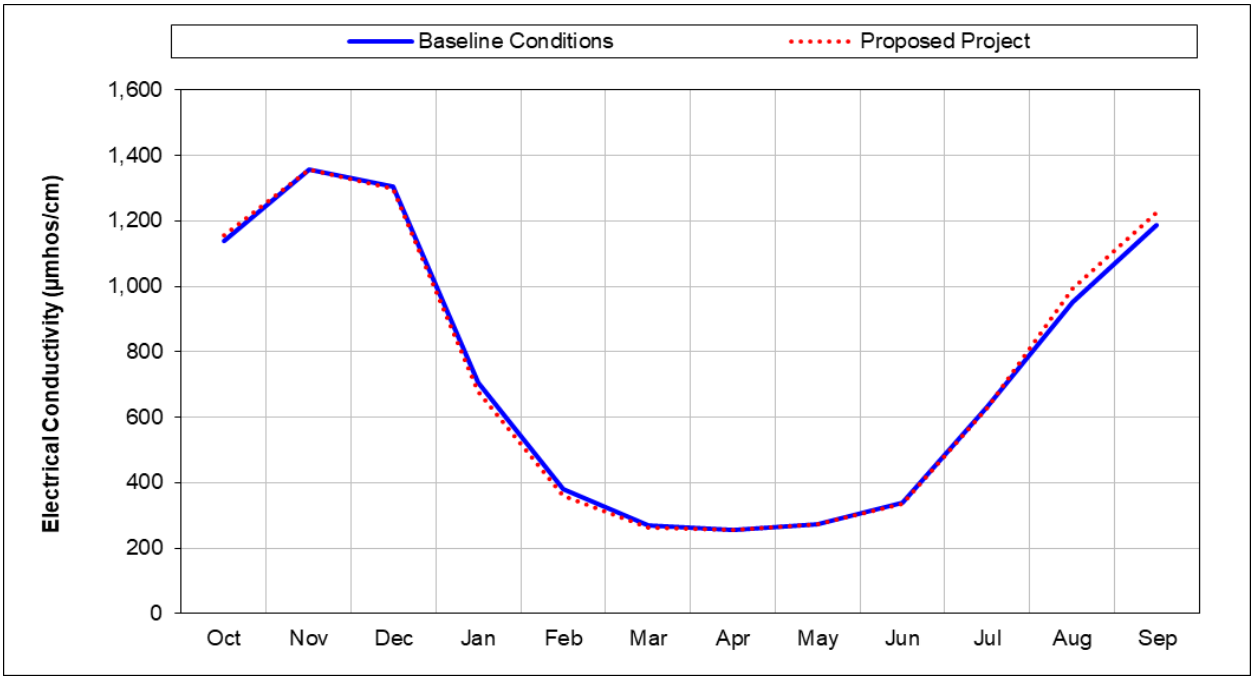

Figure 5B-5a. San Joaquin River at Jersey Point, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)

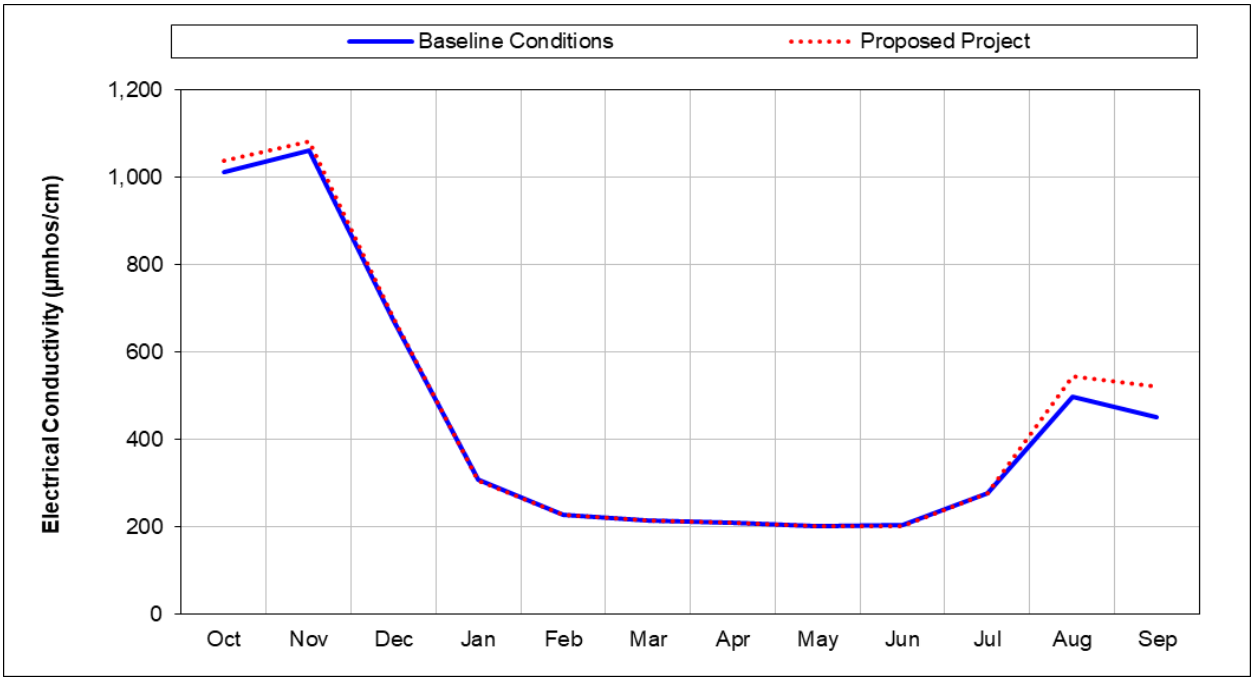

Figure 5B-5b. San Joaquin River at Jersey Point, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

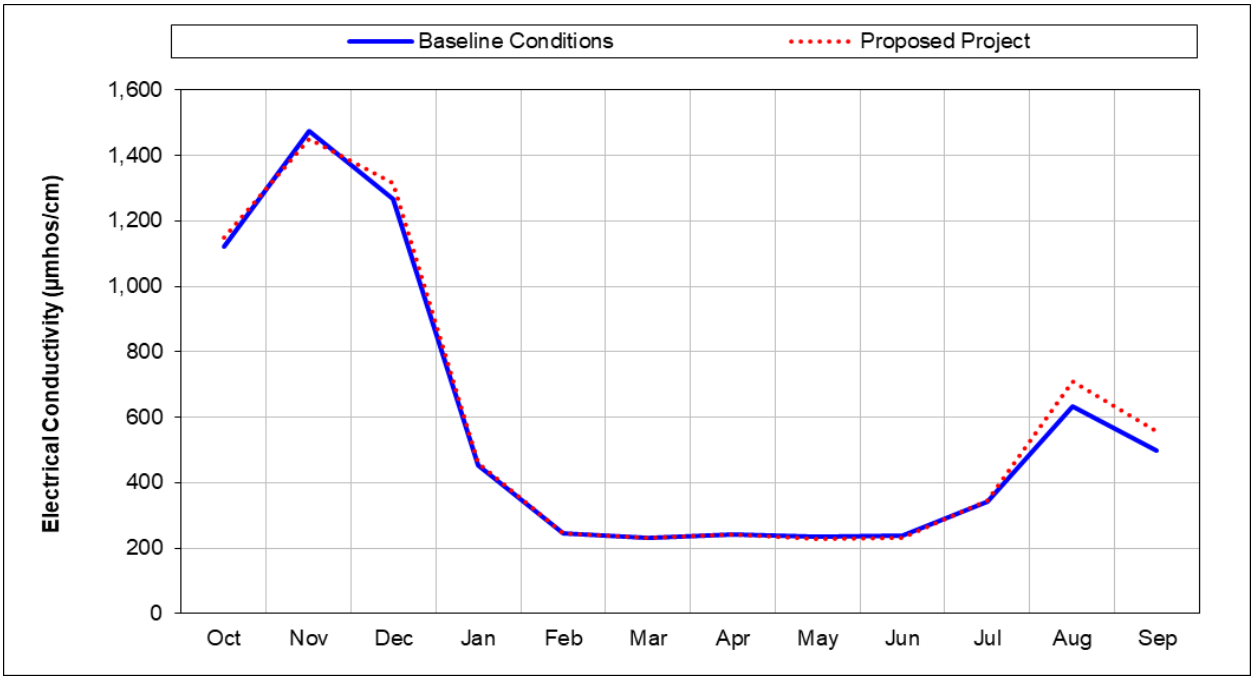

Figure 5B-5c. San Joaquin River at Jersey Point, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

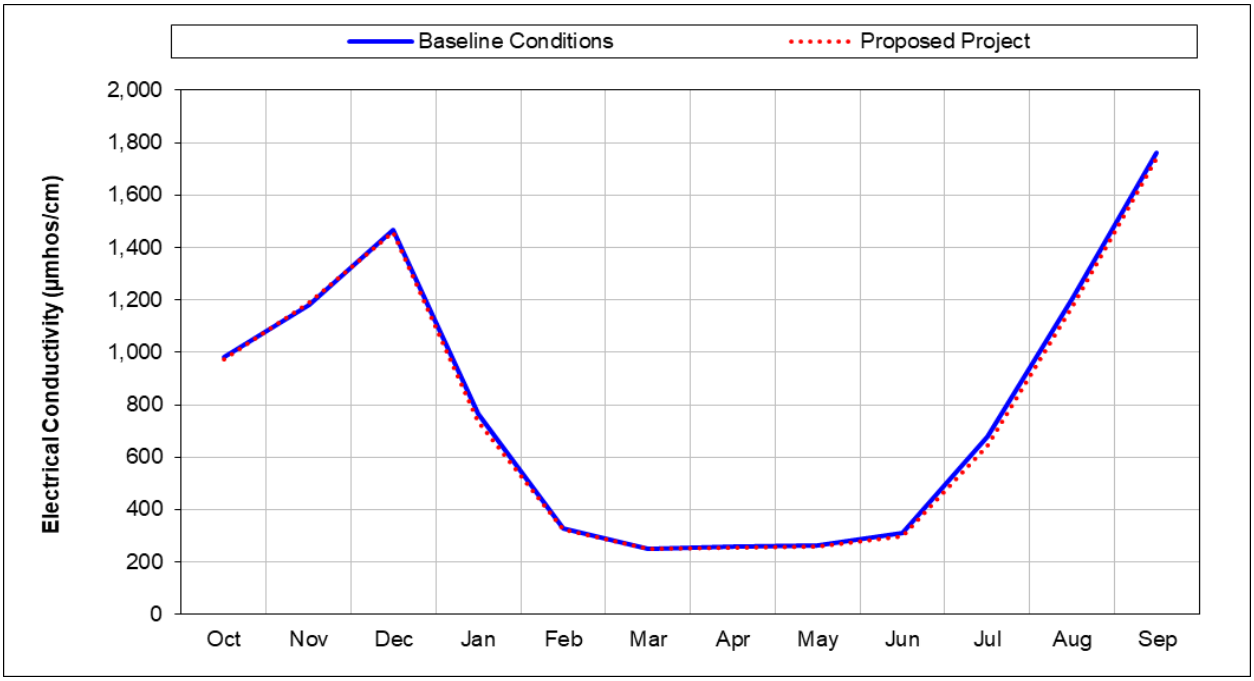

Figure 5B-5d. San Joaquin River at Jersey Point, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

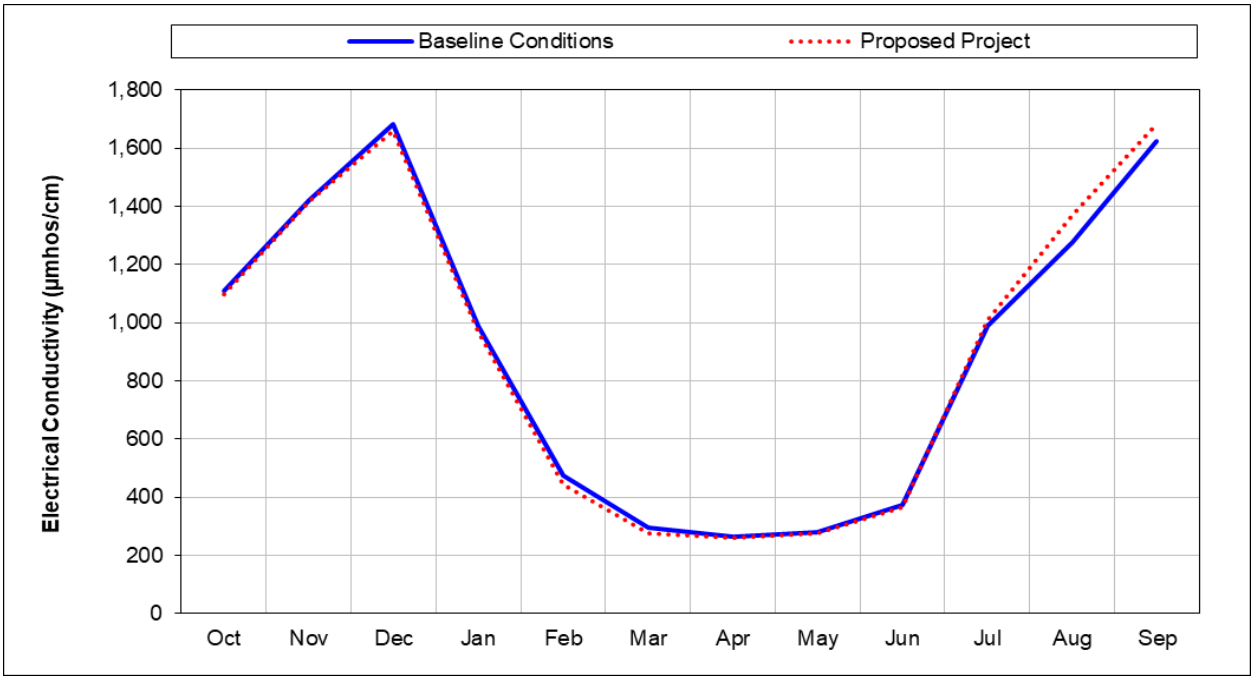

Figure 5B-5e. San Joaquin River at Jersey Point, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

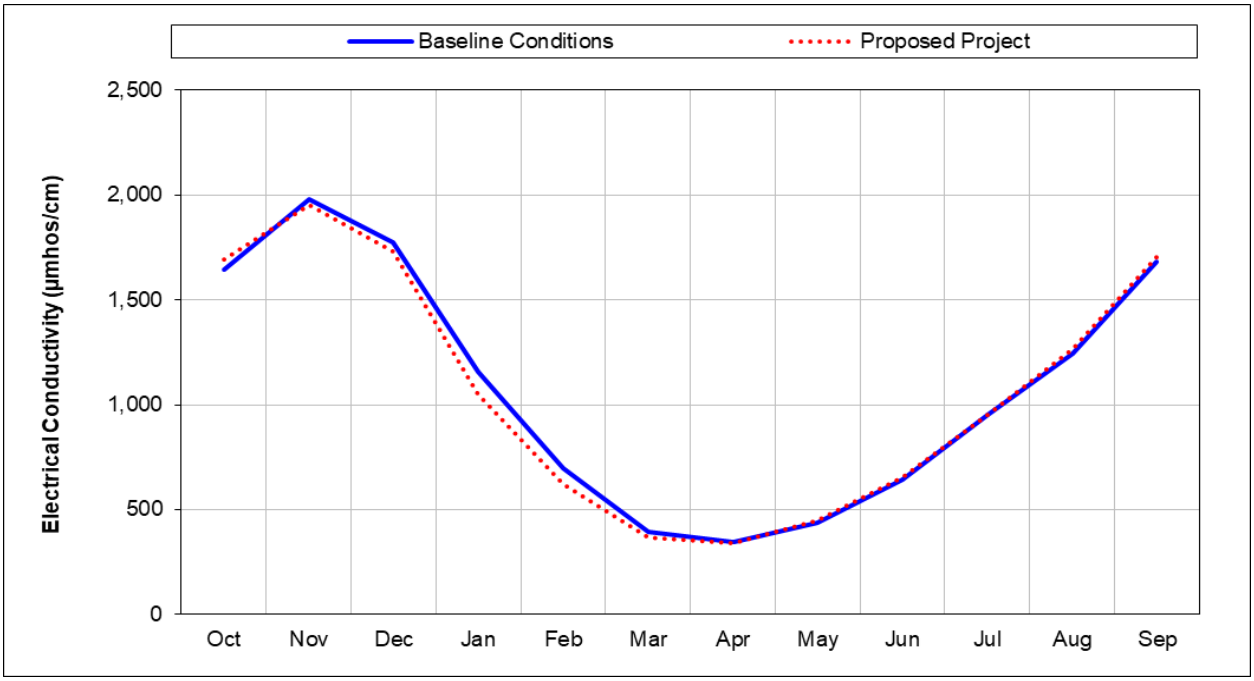

Figure 5B-5f. San Joaquin River at Jersey Point, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

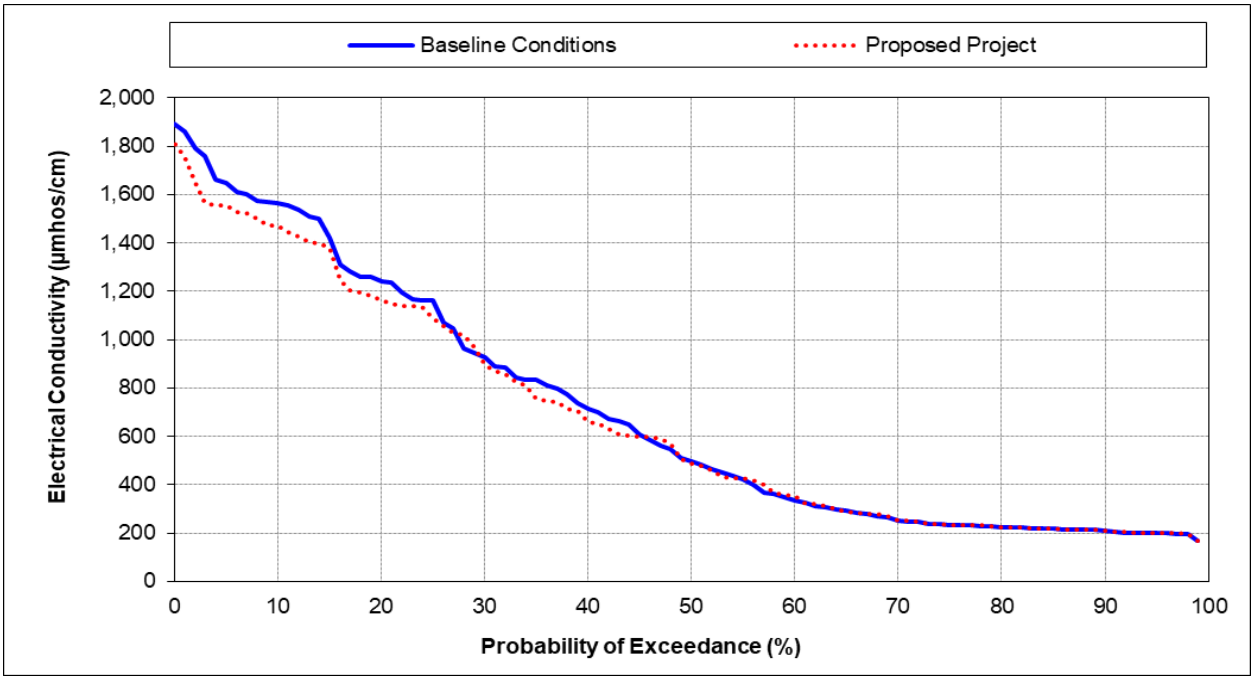

Figure 5B-5g. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), January

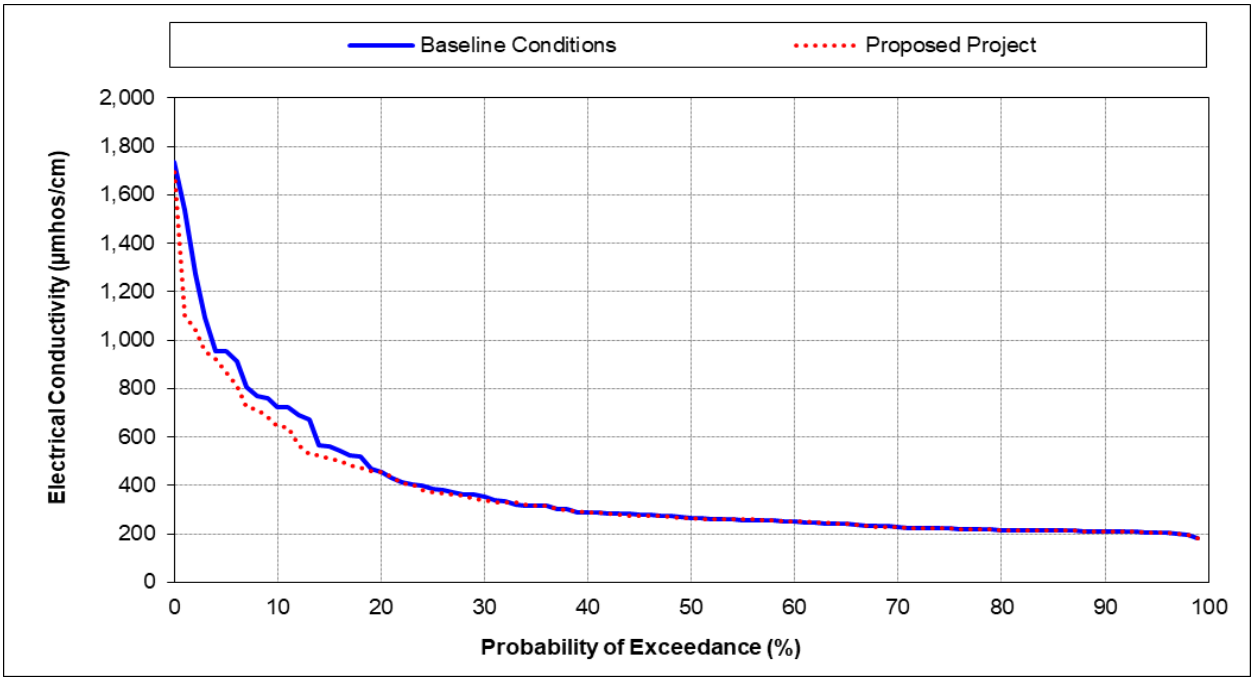

Figure 5B-5h. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), February

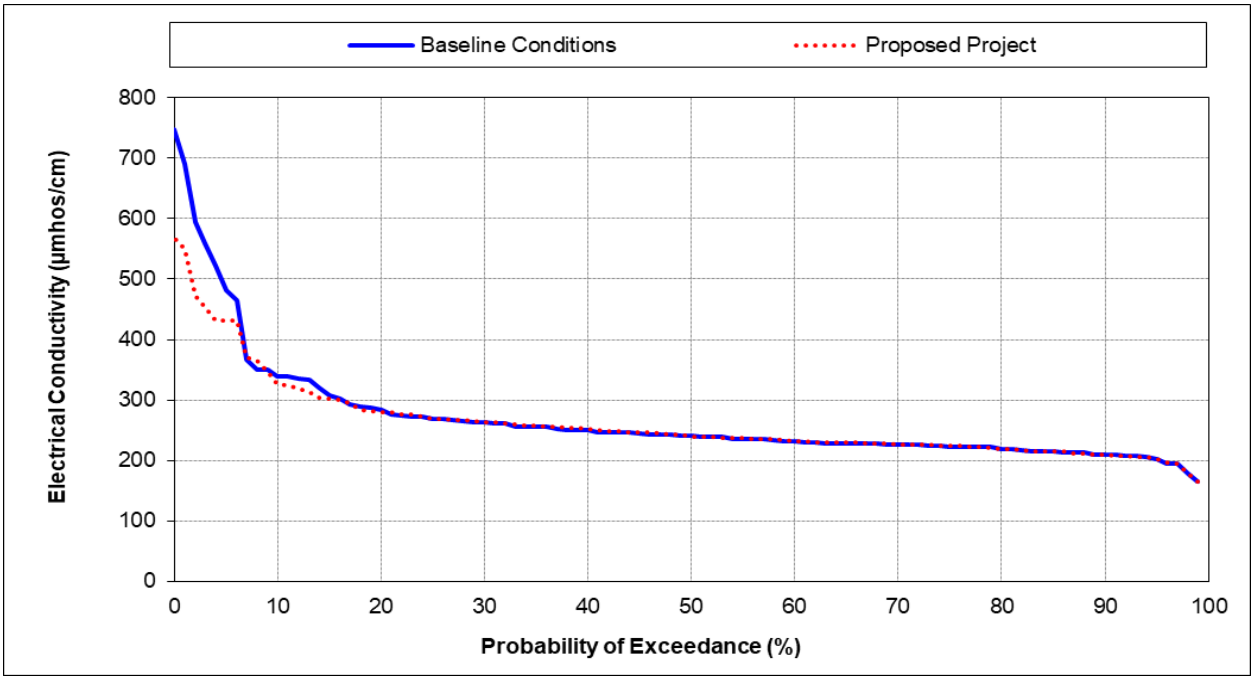

Figure 5B-5i. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), March

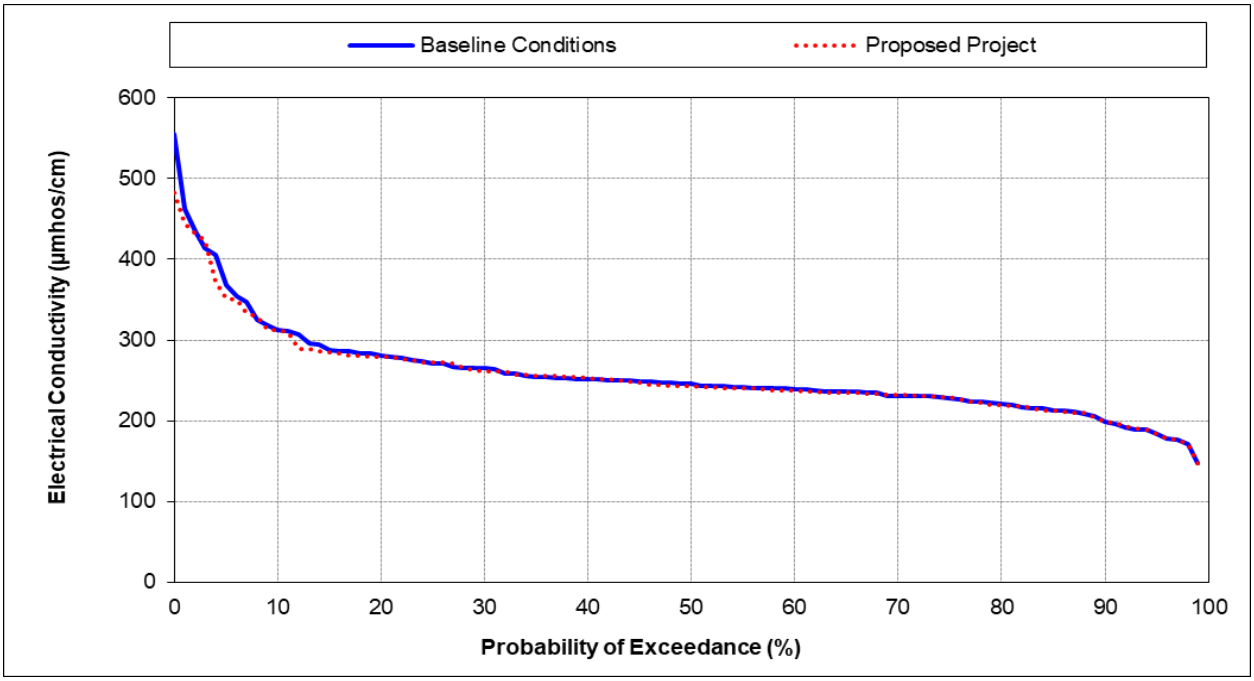

Figure 5B-5j. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), April

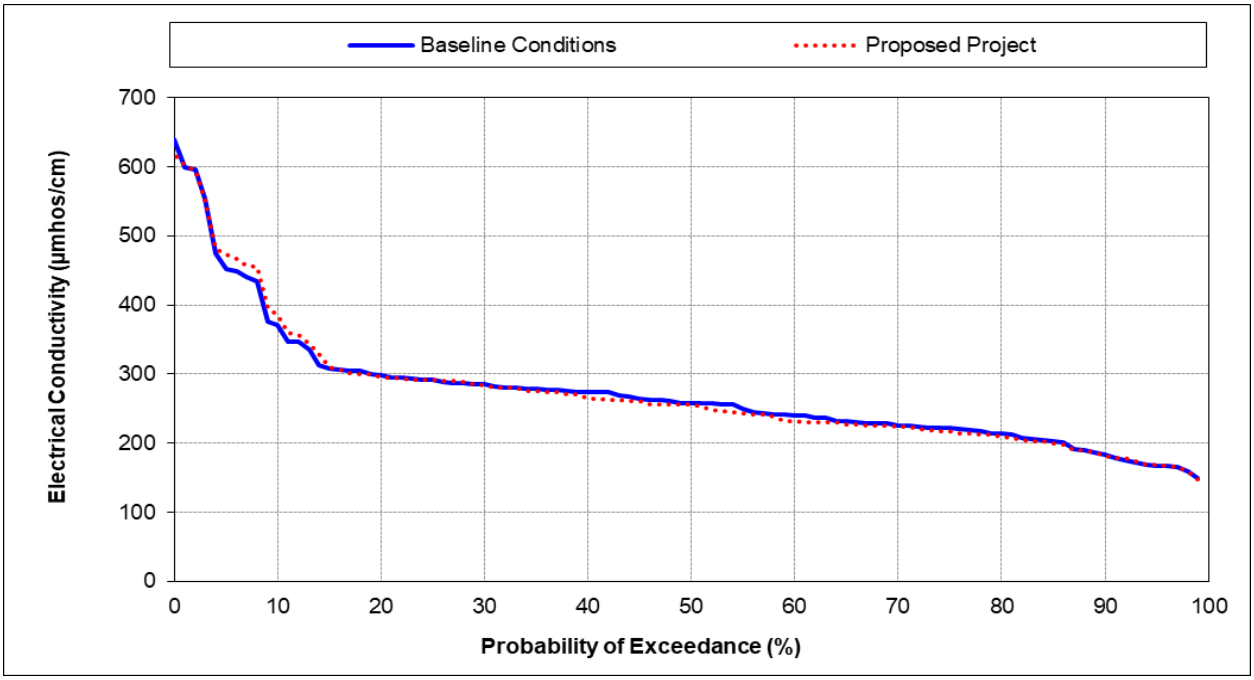

Figure 5B-5k. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), May

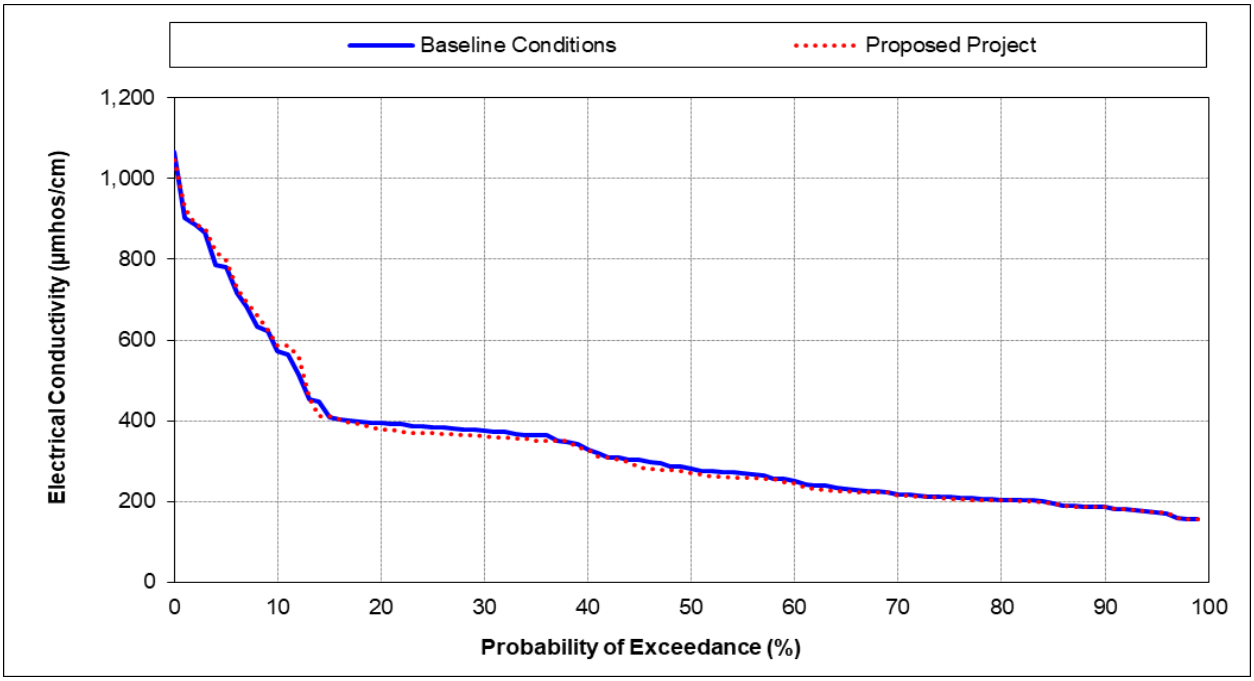

Figure 5B-5l. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), June

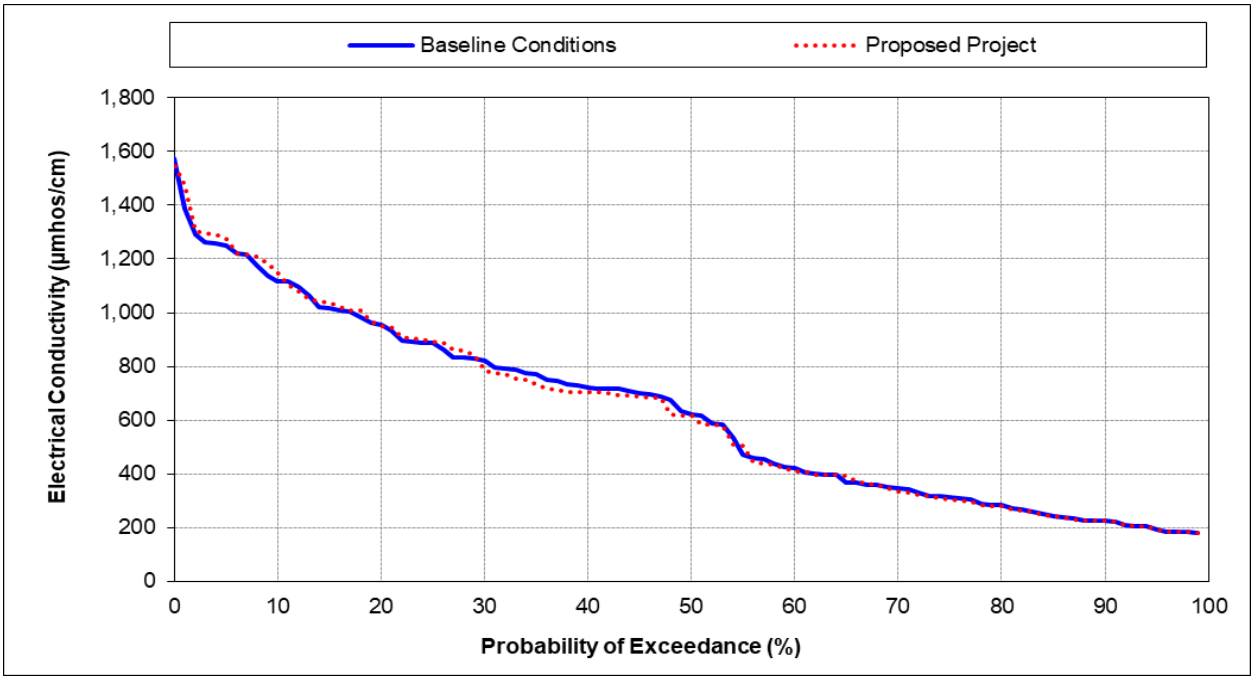

Figure 5B-5m. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), July

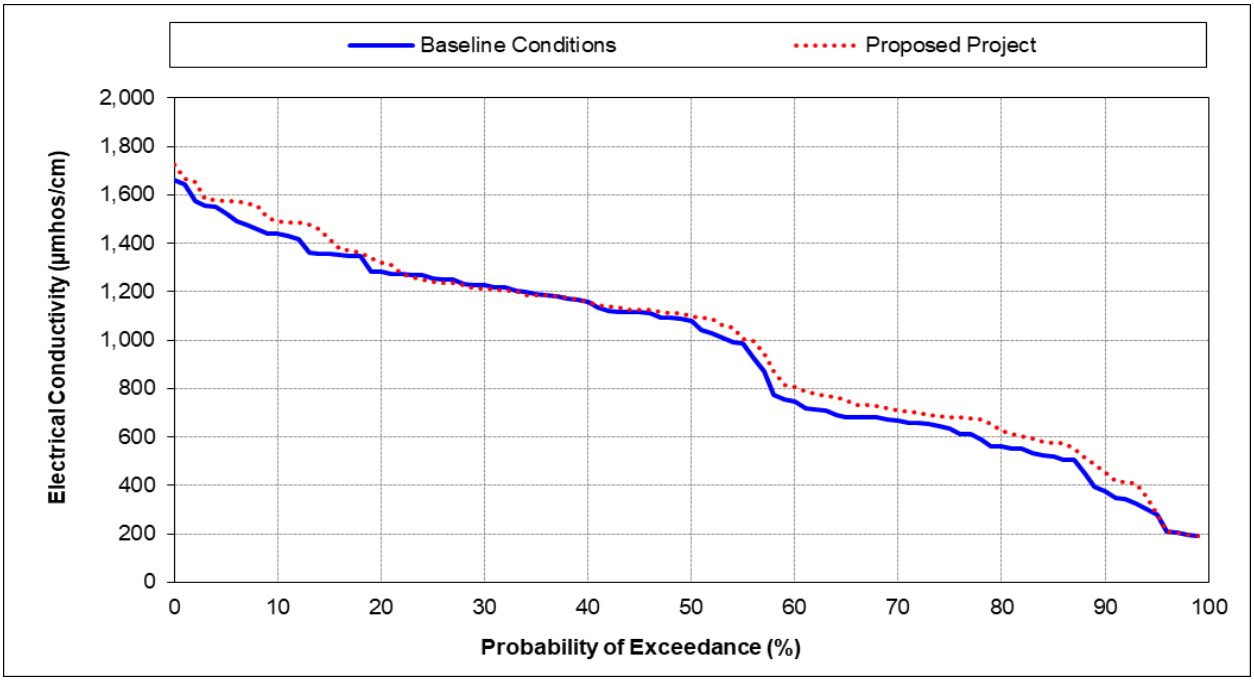

Figure 5B-5n. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), August

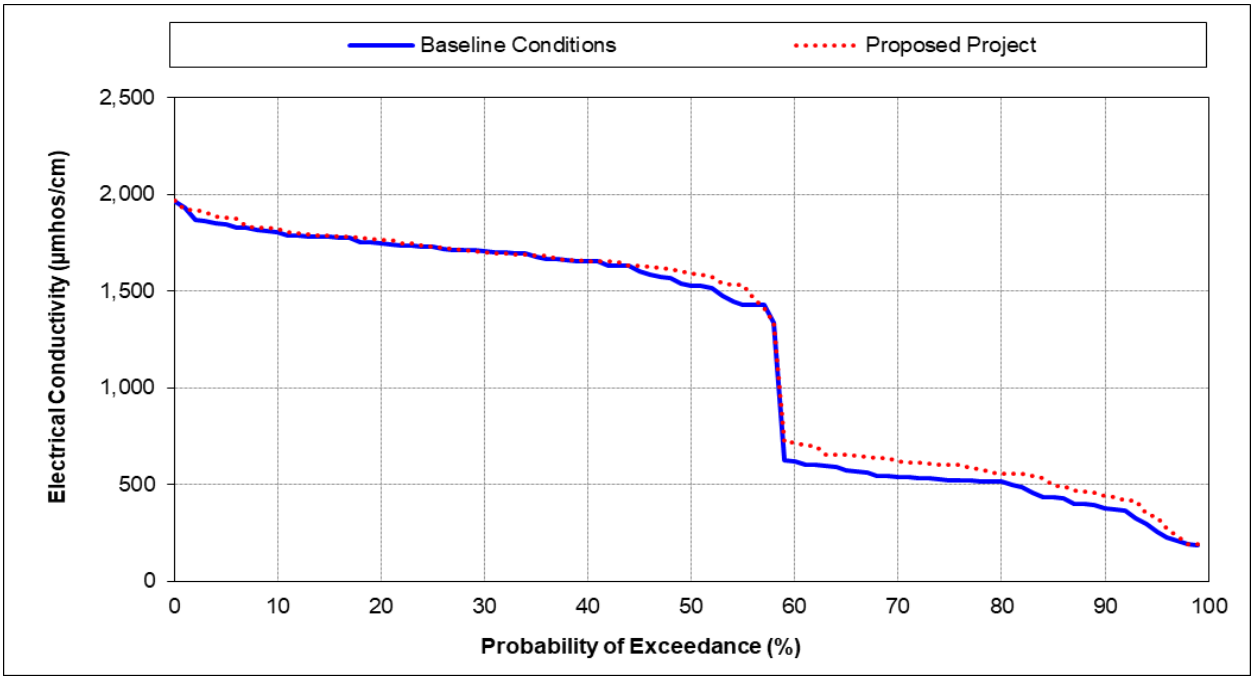

Figure 5B-5o. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), September

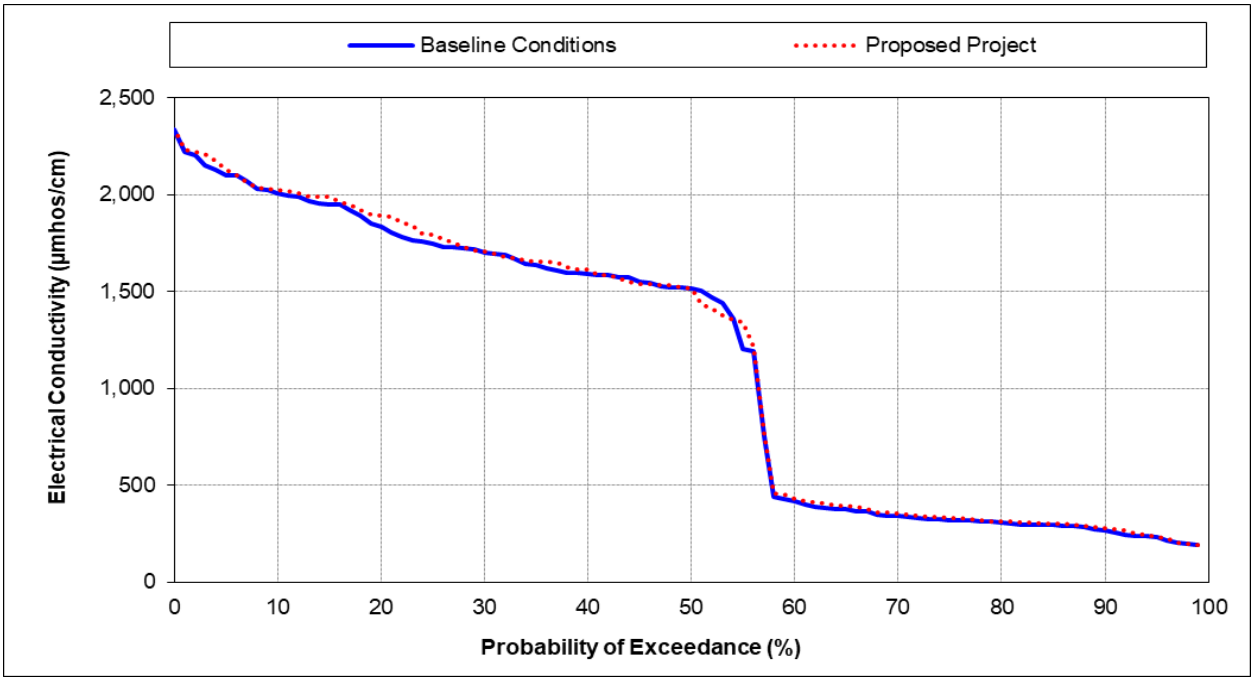

Figure 5B-5p. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), October

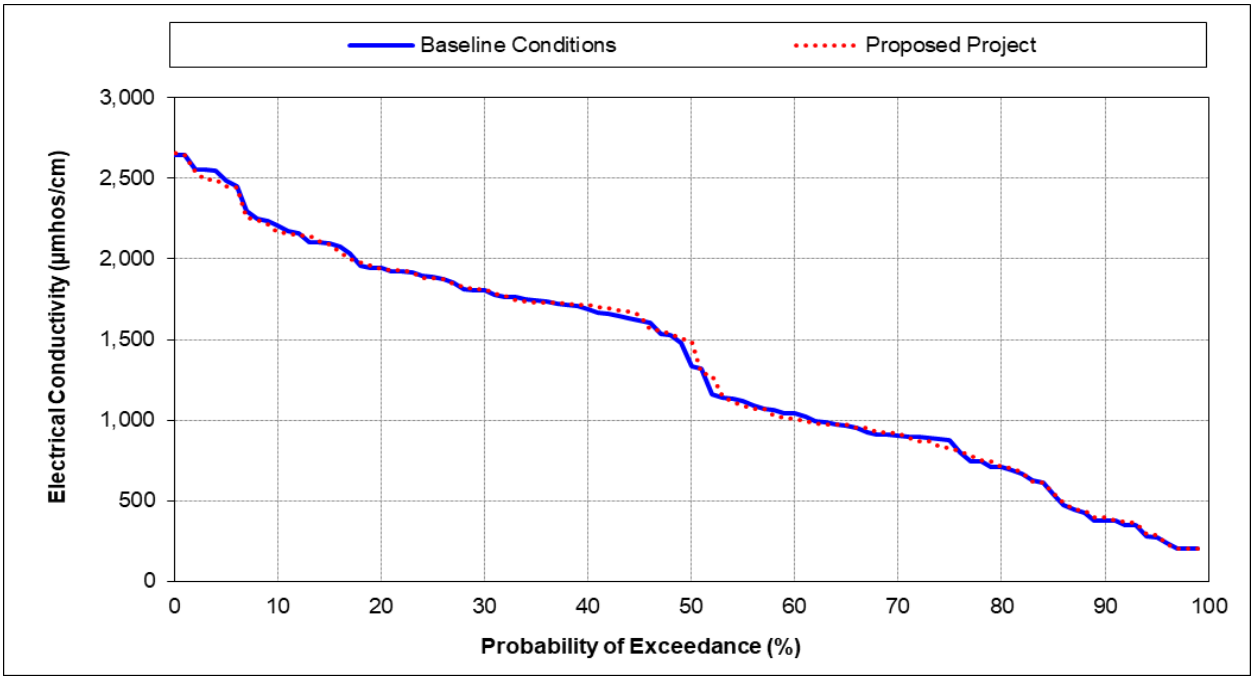

Figure 5B-5q. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), November

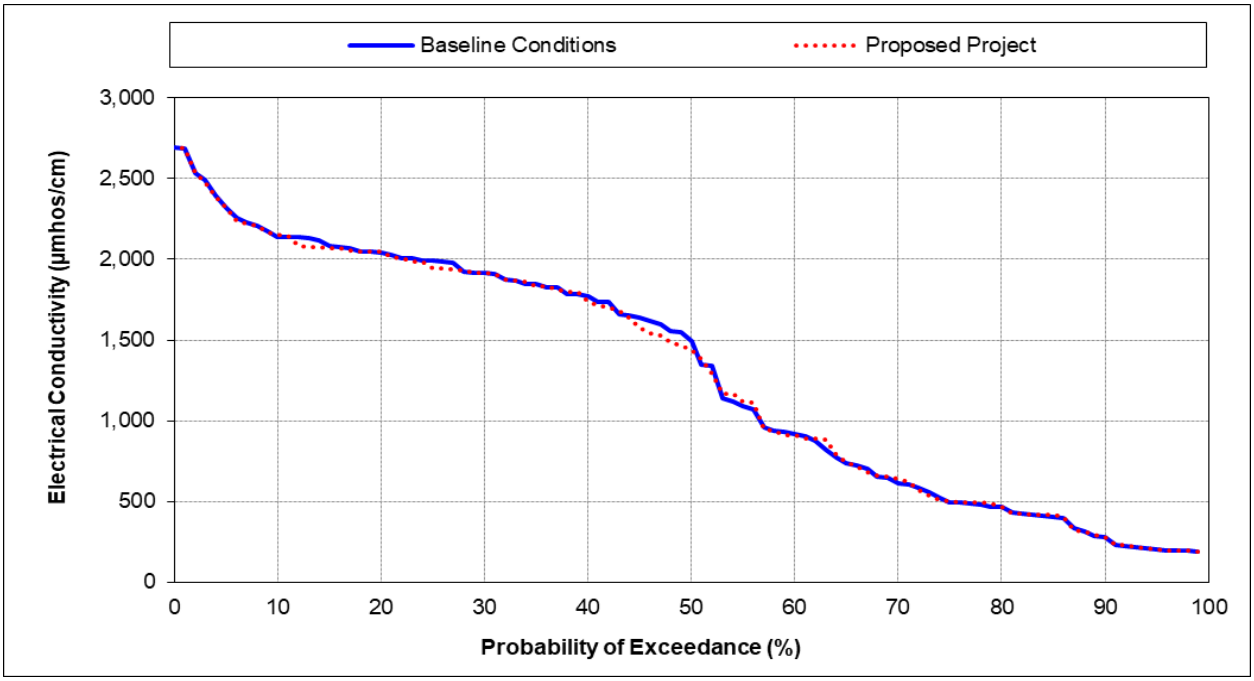

Figure 5B-5r. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), December

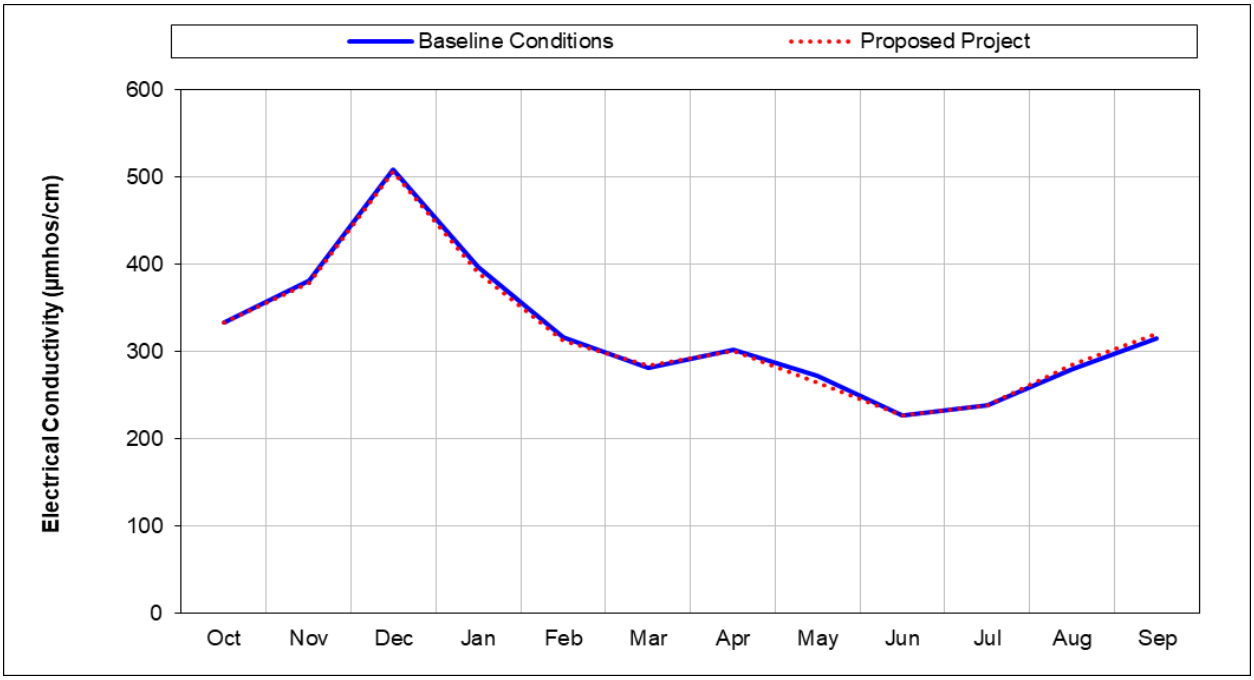

Figure 5B-6a. San Joaquin River at Prisoners Point, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)

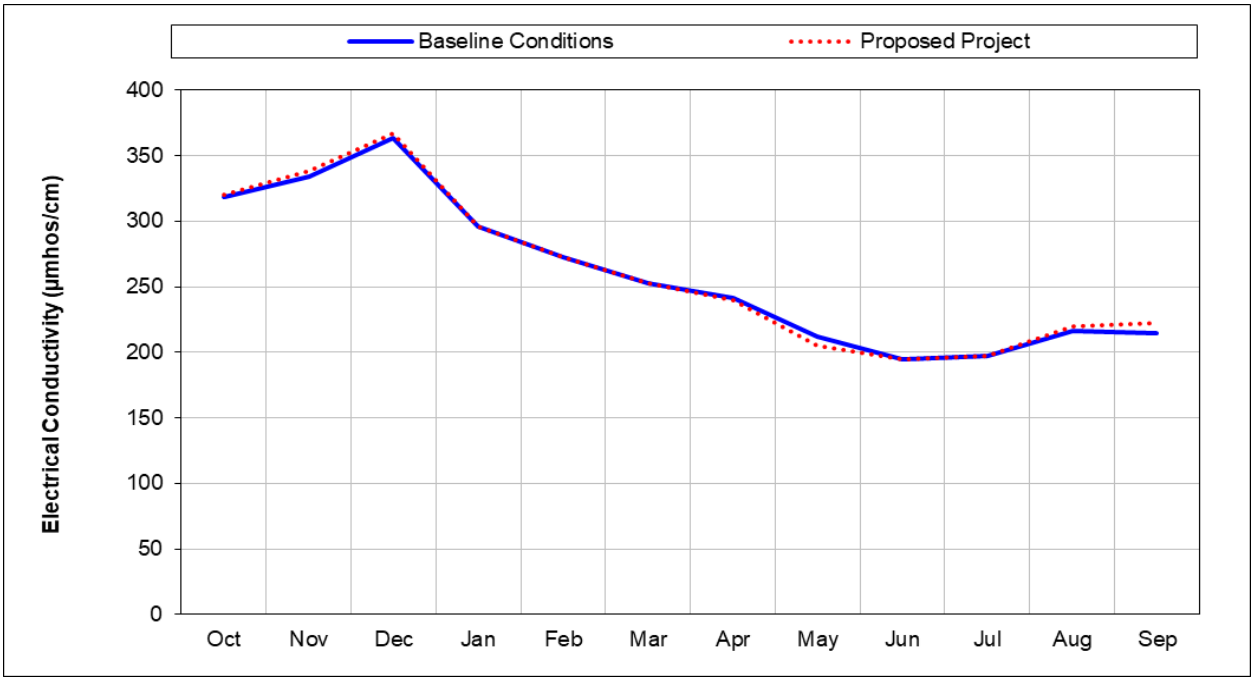

Figure 5B-6b. San Joaquin River at Prisoners Point, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

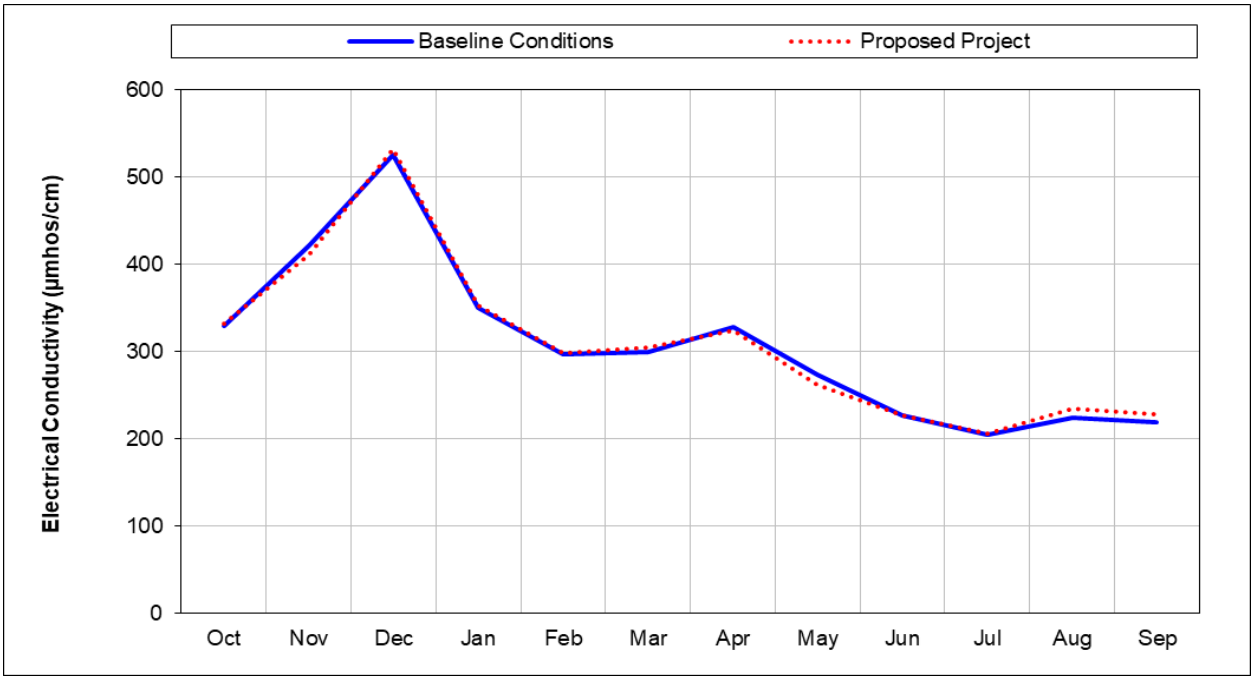

Figure 5B-6c. San Joaquin River at Prisoners Point, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

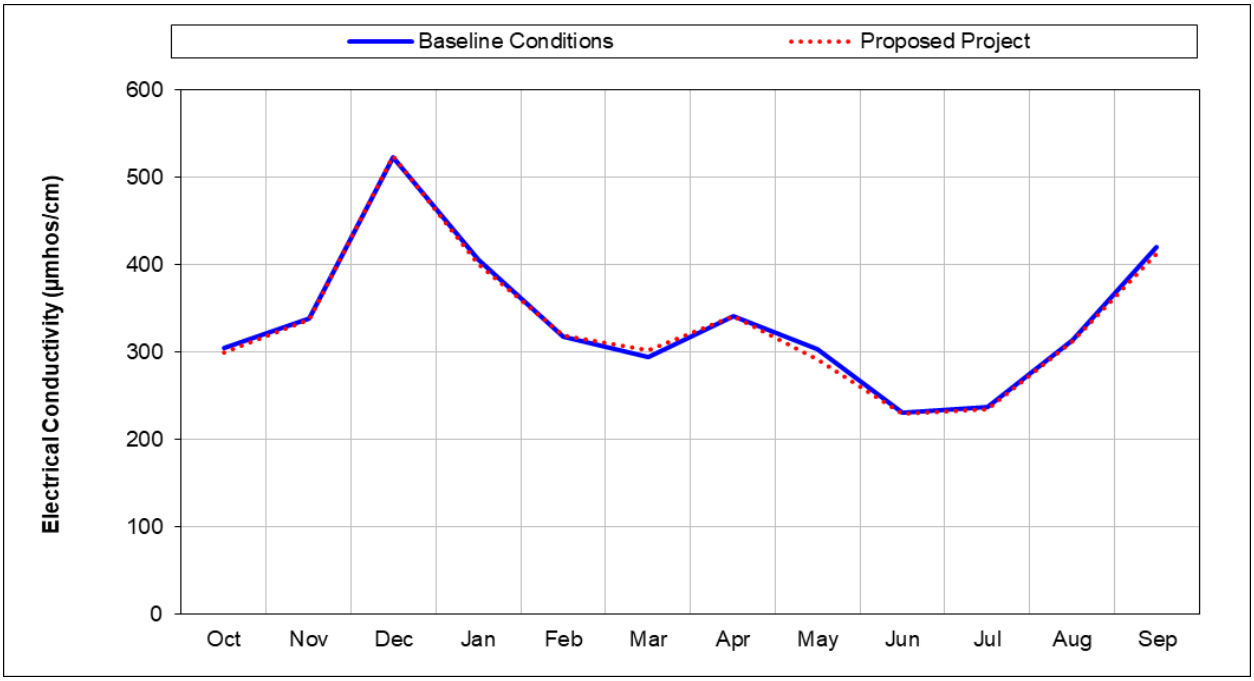

Figure 5B-6d. San Joaquin River at Prisoners Point, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

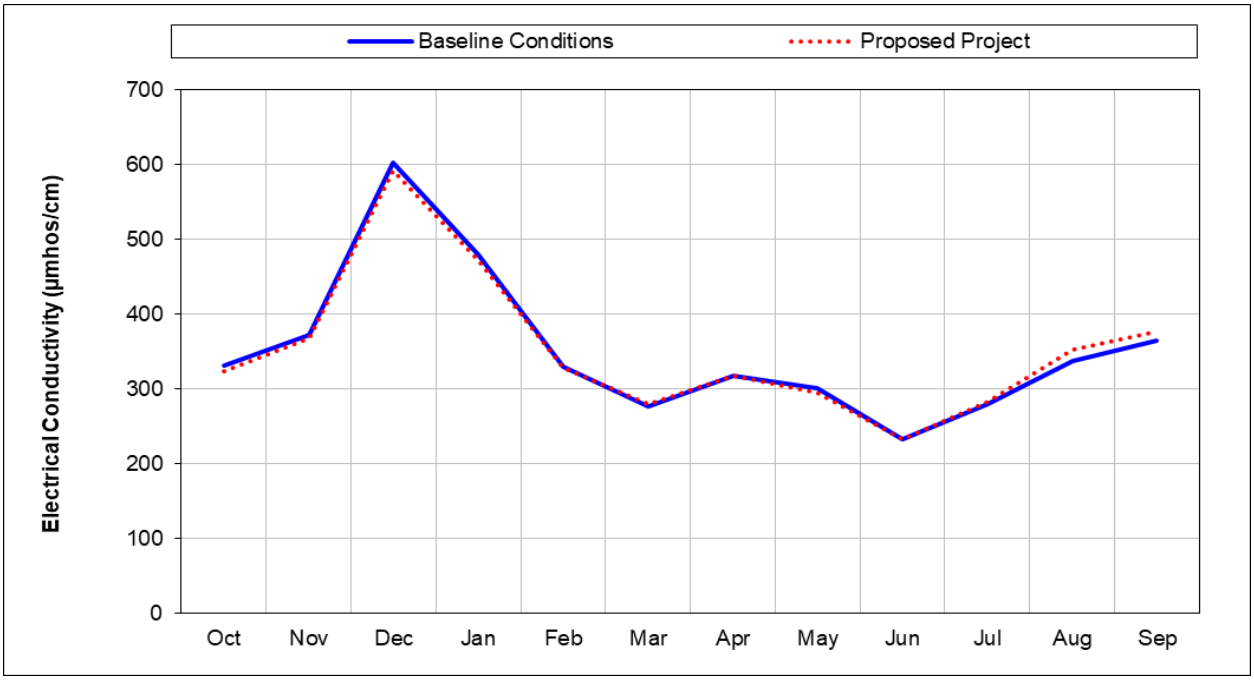

Figure 5B-6e. San Joaquin River at Prisoners Point, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

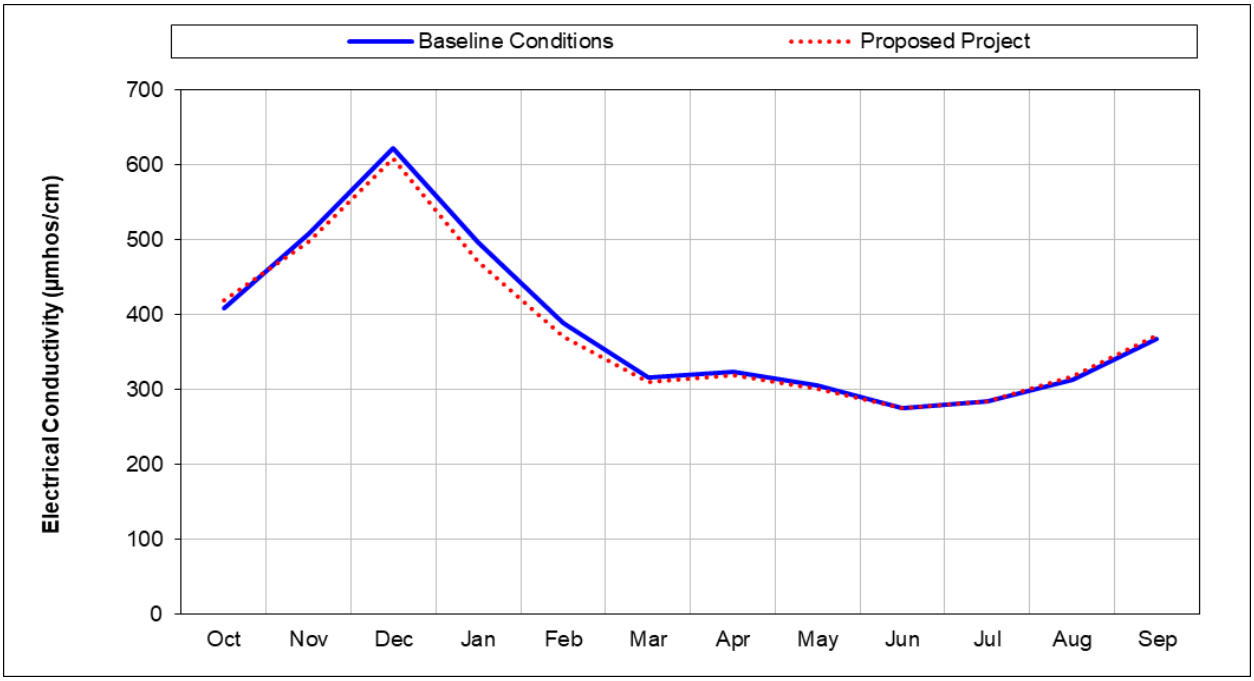

Figure 5B-6f. San Joaquin River at Prisoners Point, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

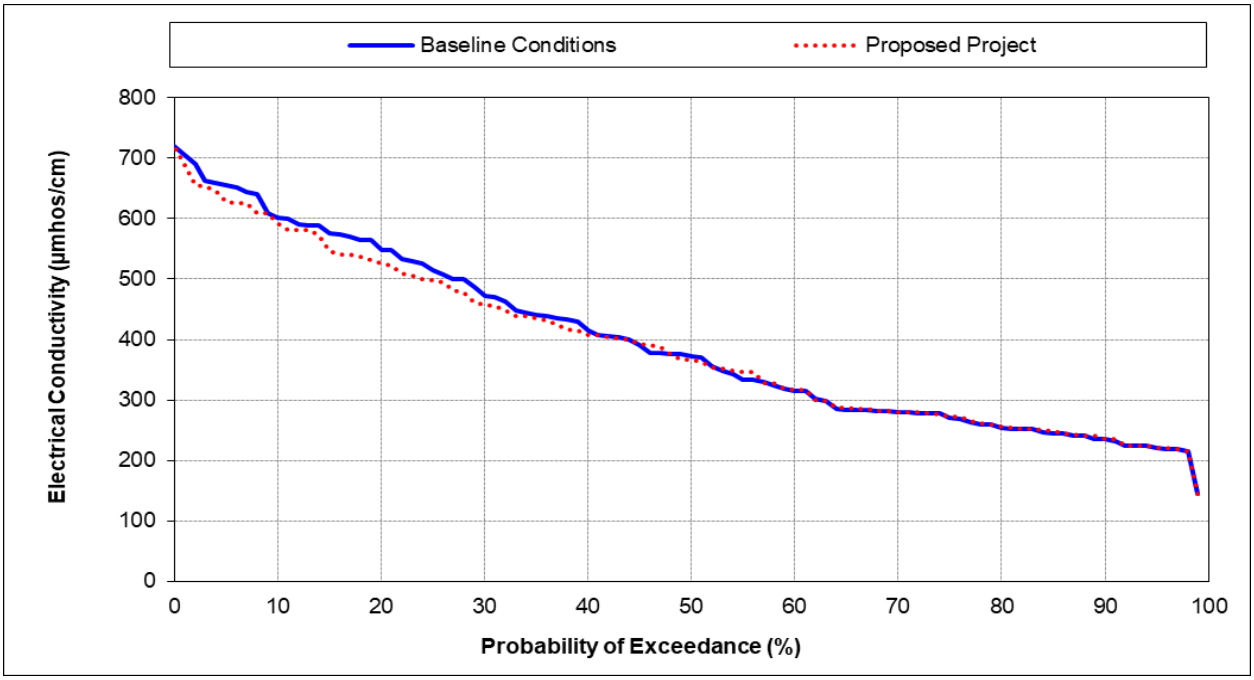

Figure 5B-6g. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), January

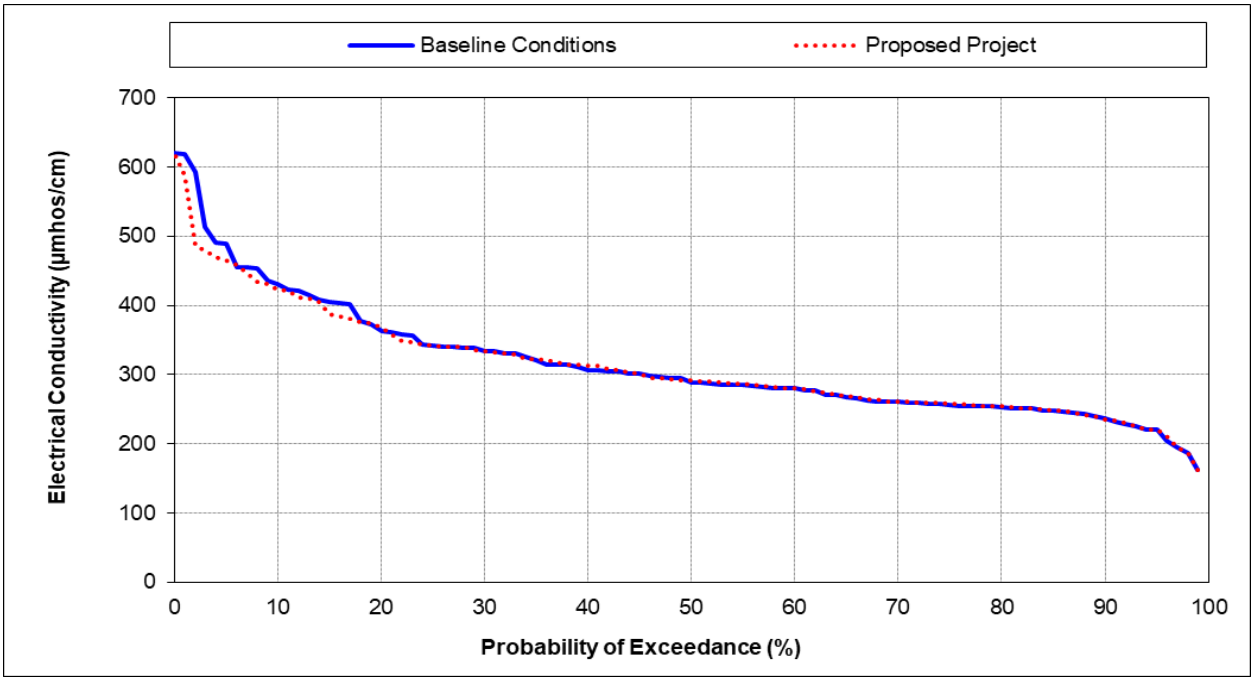

Figure 5B-6h. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), February

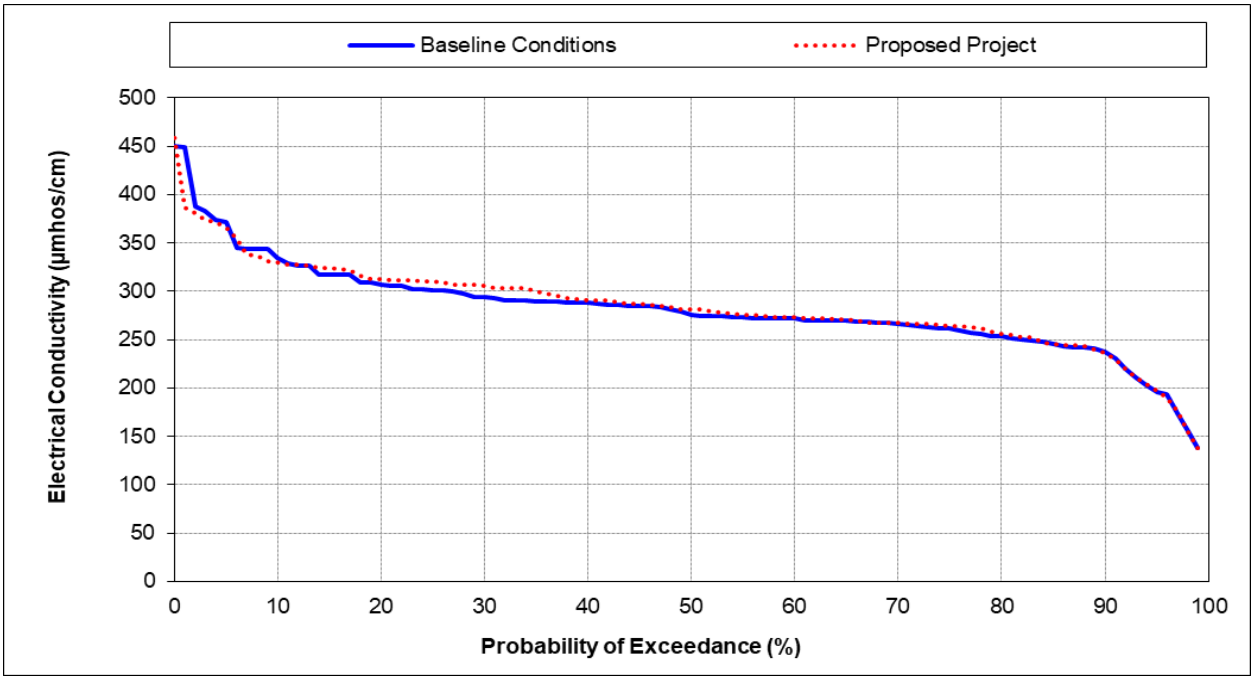

Figure 5B-6i. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), March

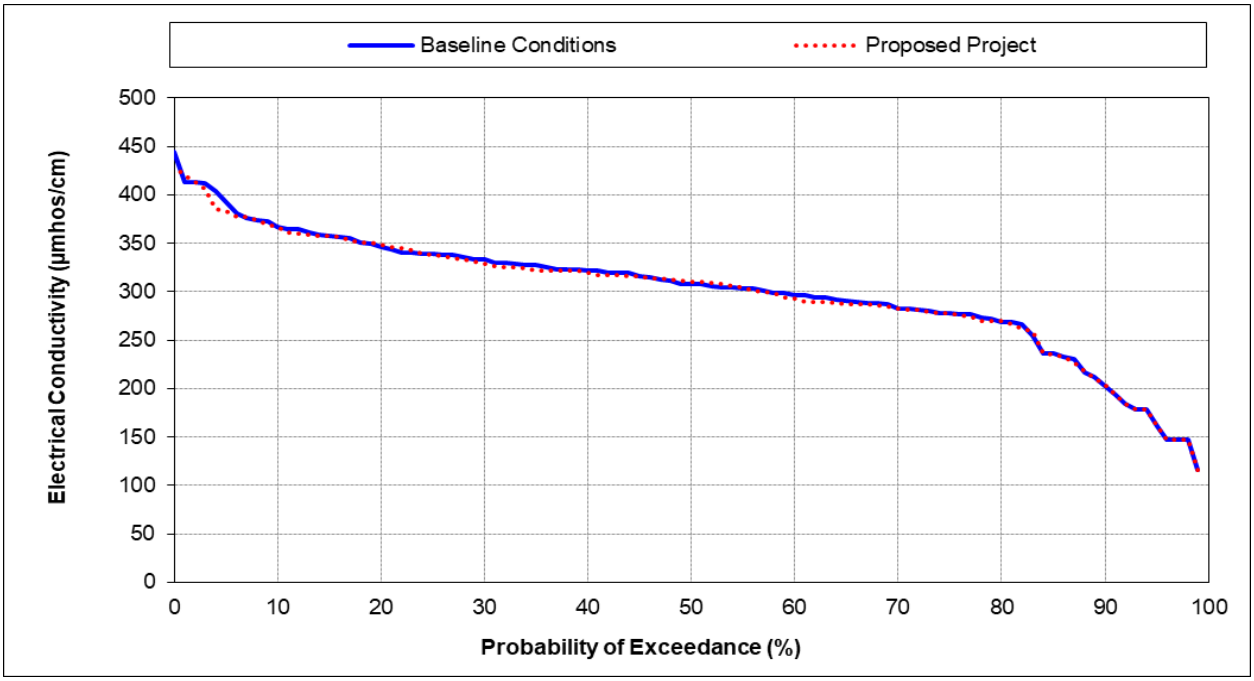

Figure 5B-6j. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), April

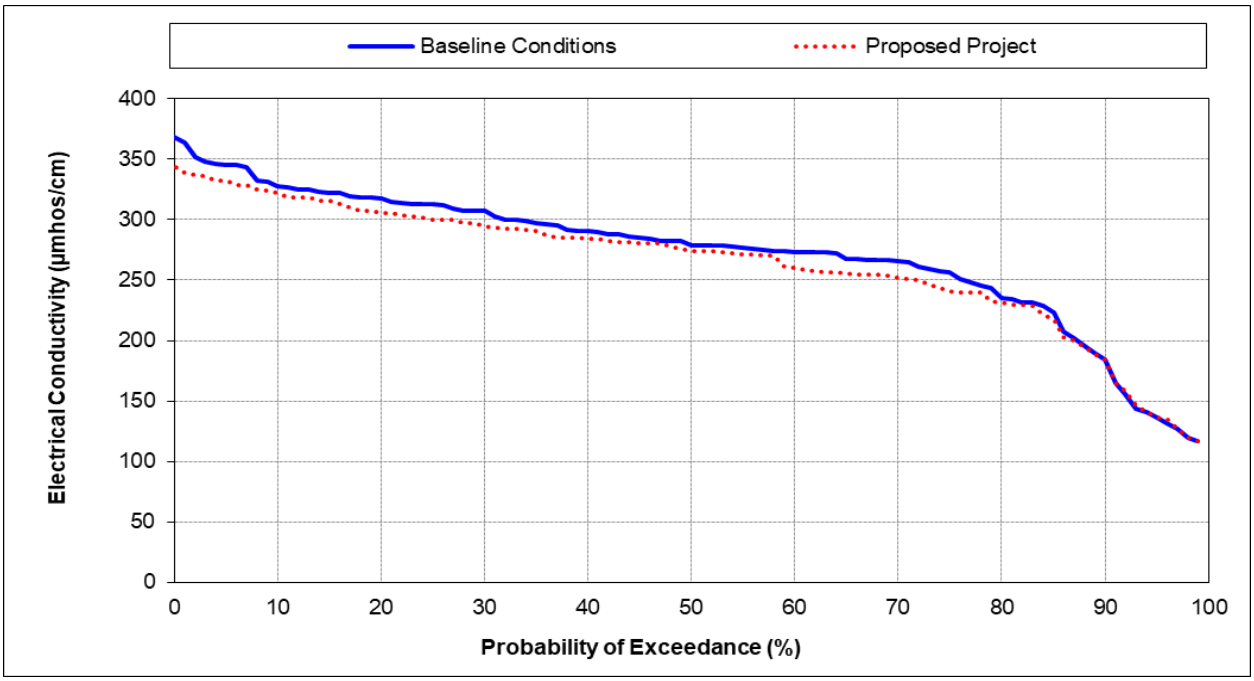

Figure 5B-6k. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), May

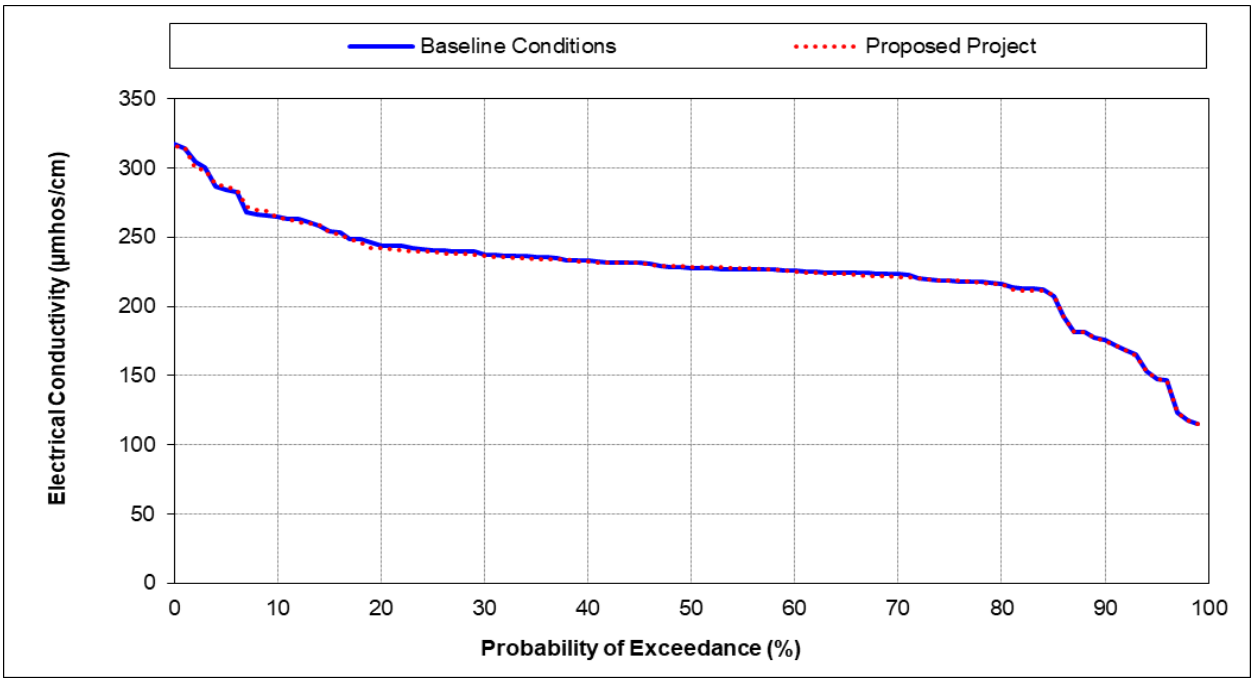

Figure 5B-6l. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), June

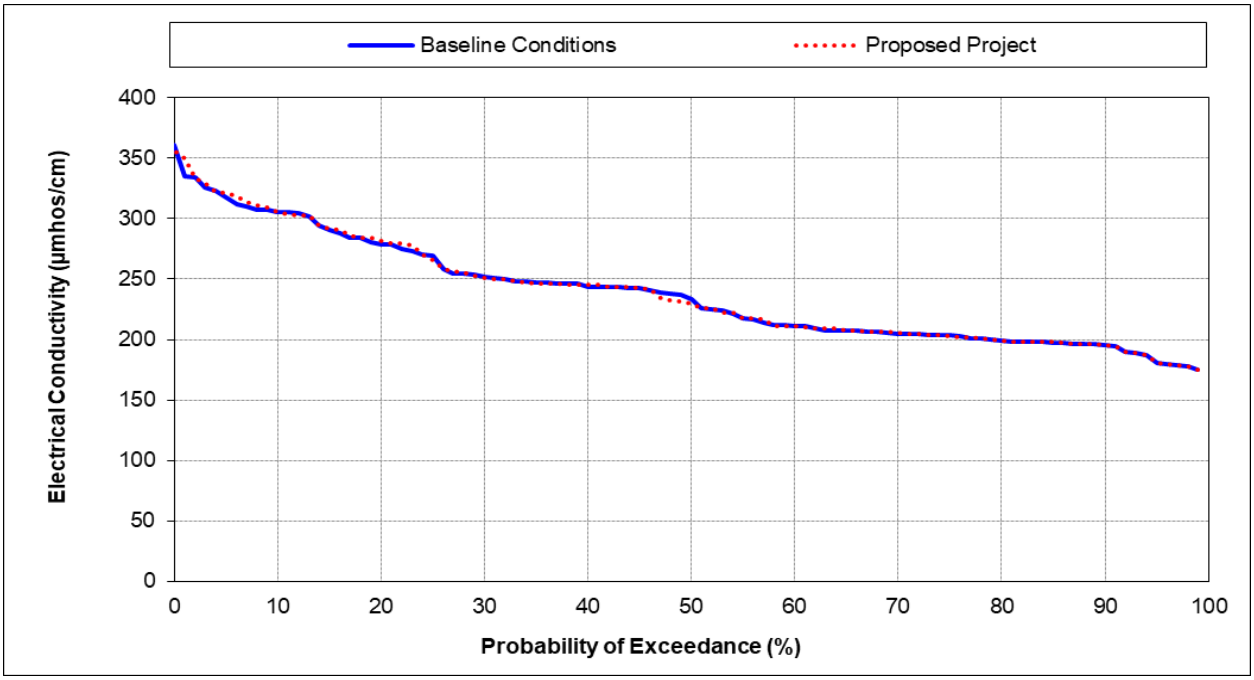

Figure 5B-6m. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), July

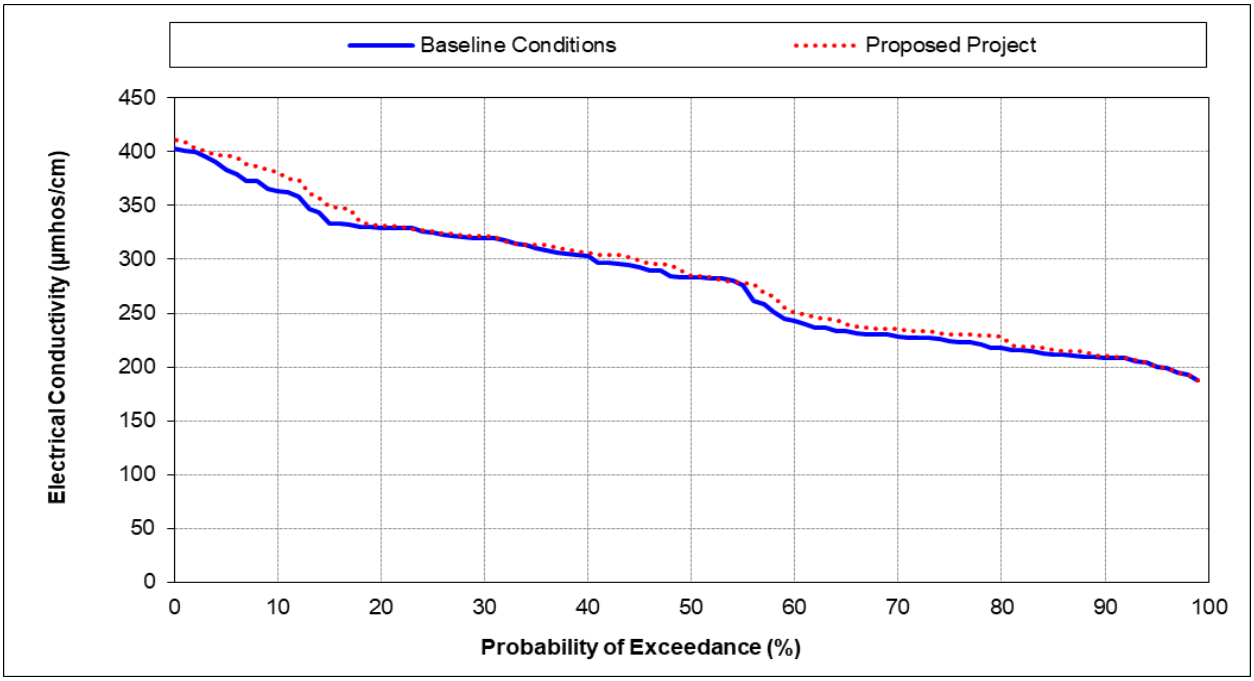

Figure 5B-6n. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), August

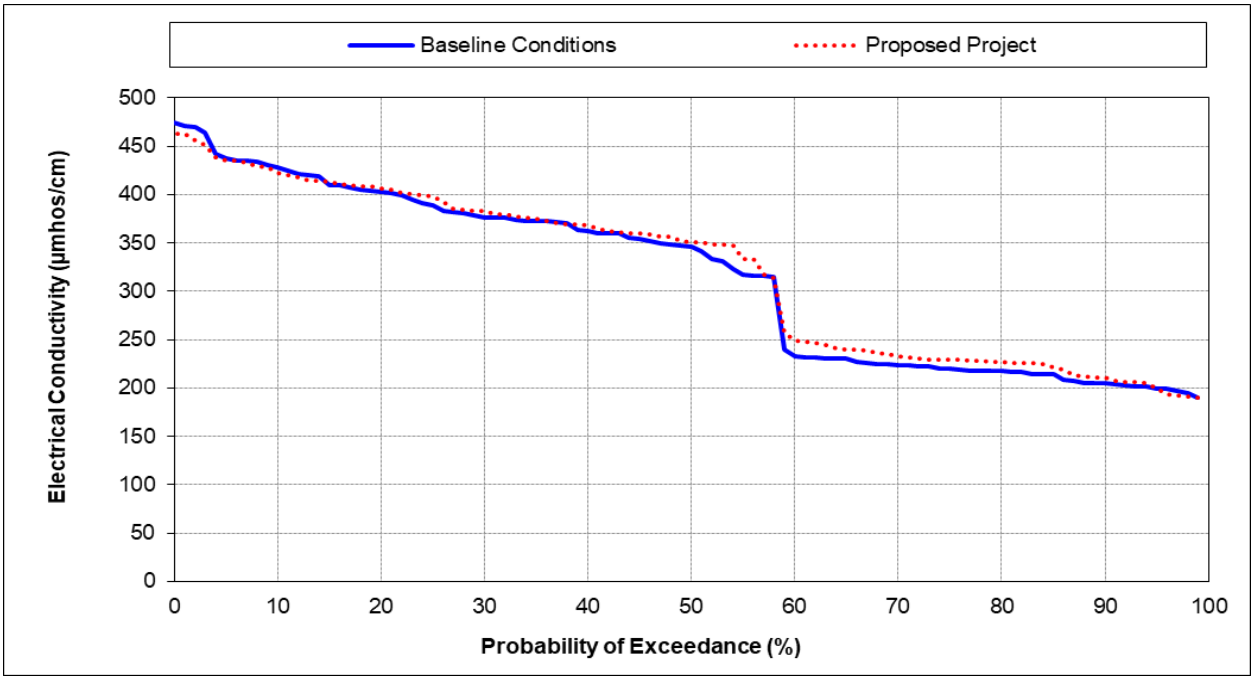

Figure 5B-6o. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), September

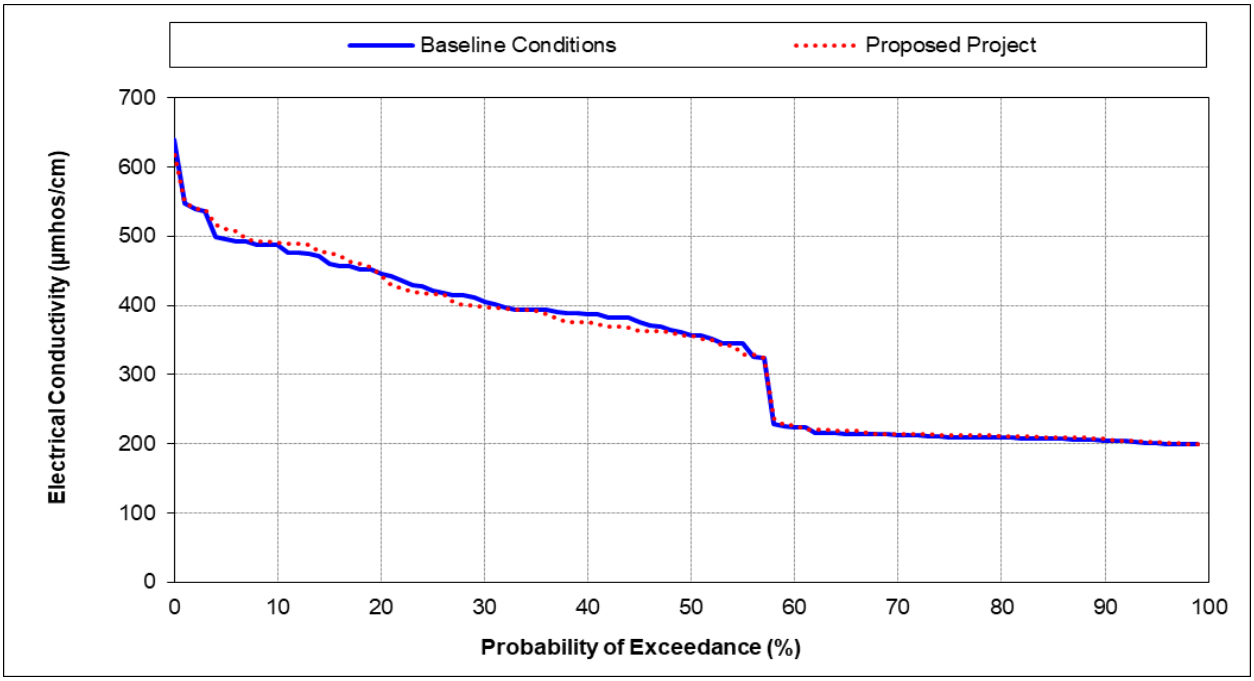

Figure 5B-6p. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), October

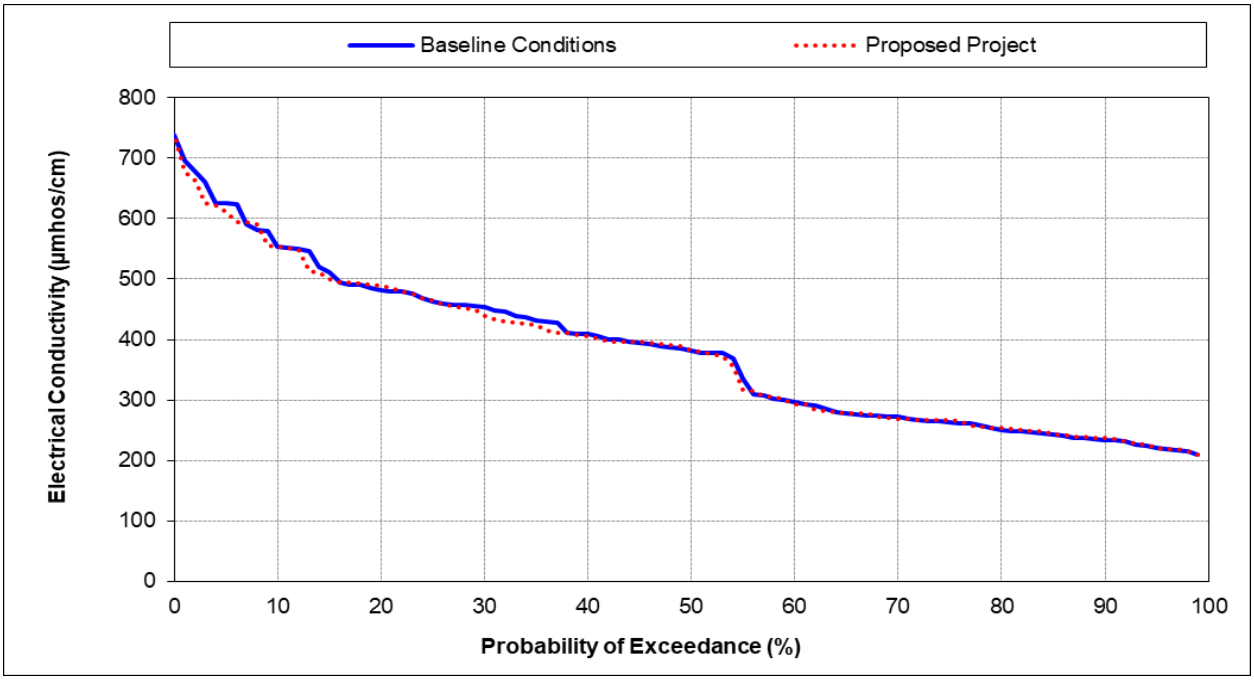

Figure 5B-6q. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), November

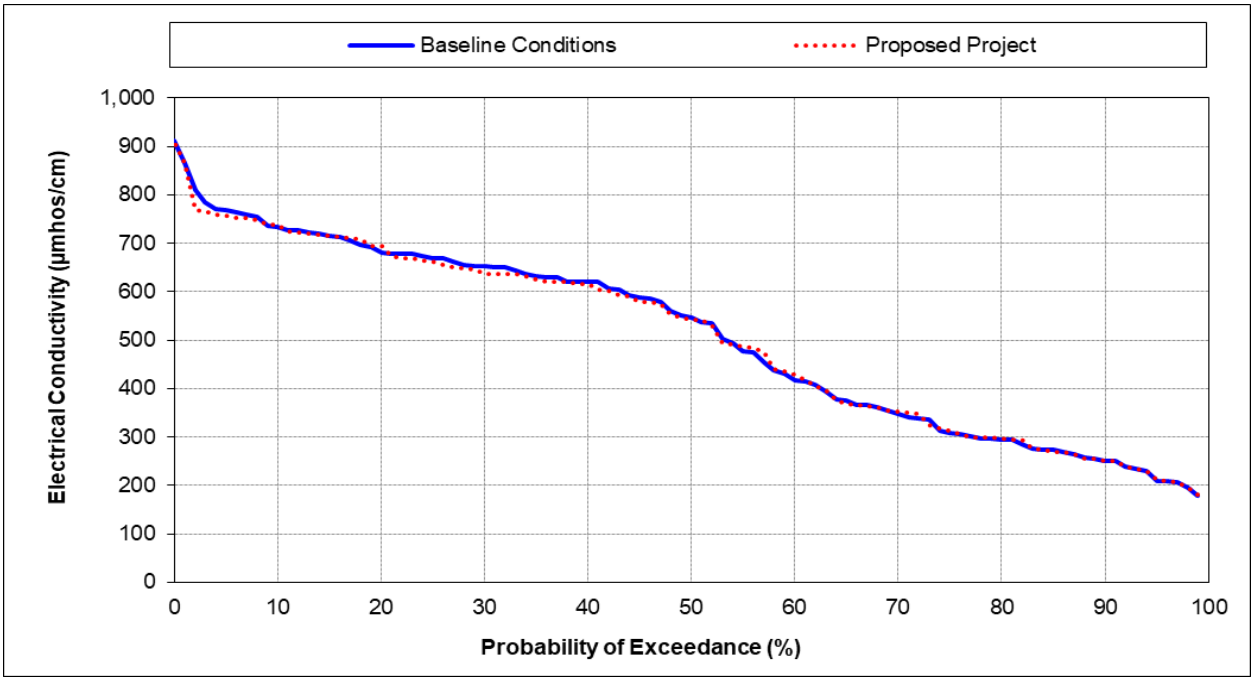

Figure 5B-6r. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), December

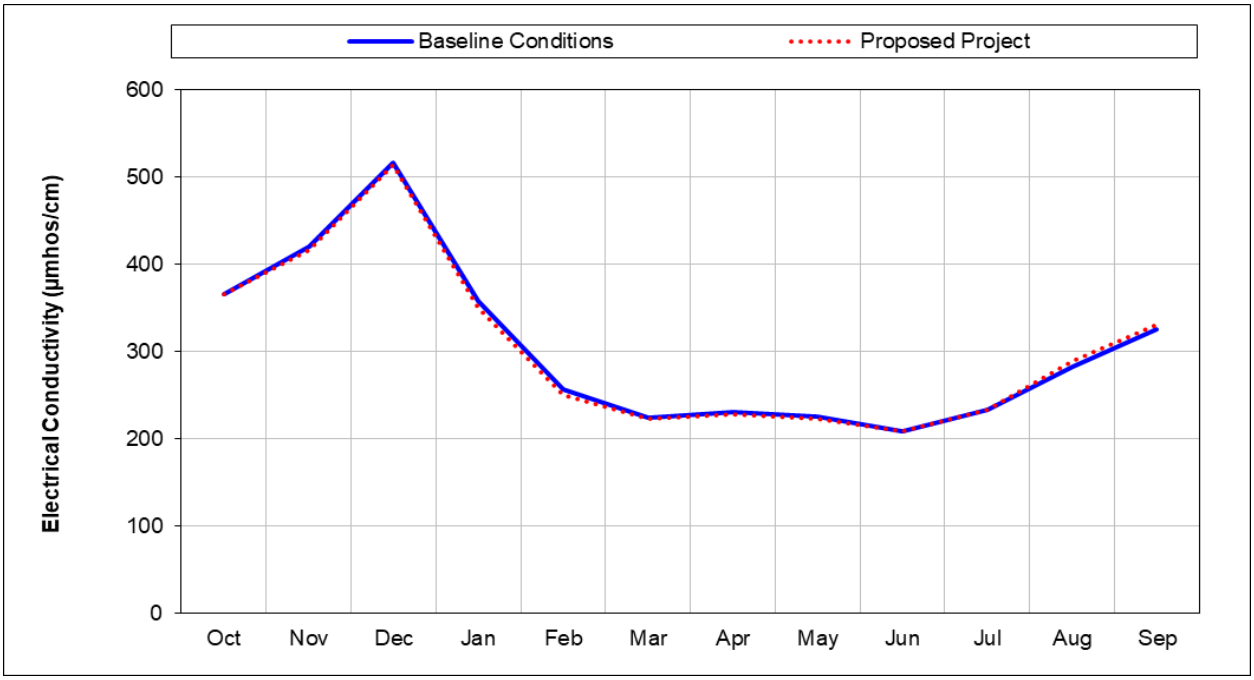

Figure 5B-7a. San Joaquin River at San Andreas Landing, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)

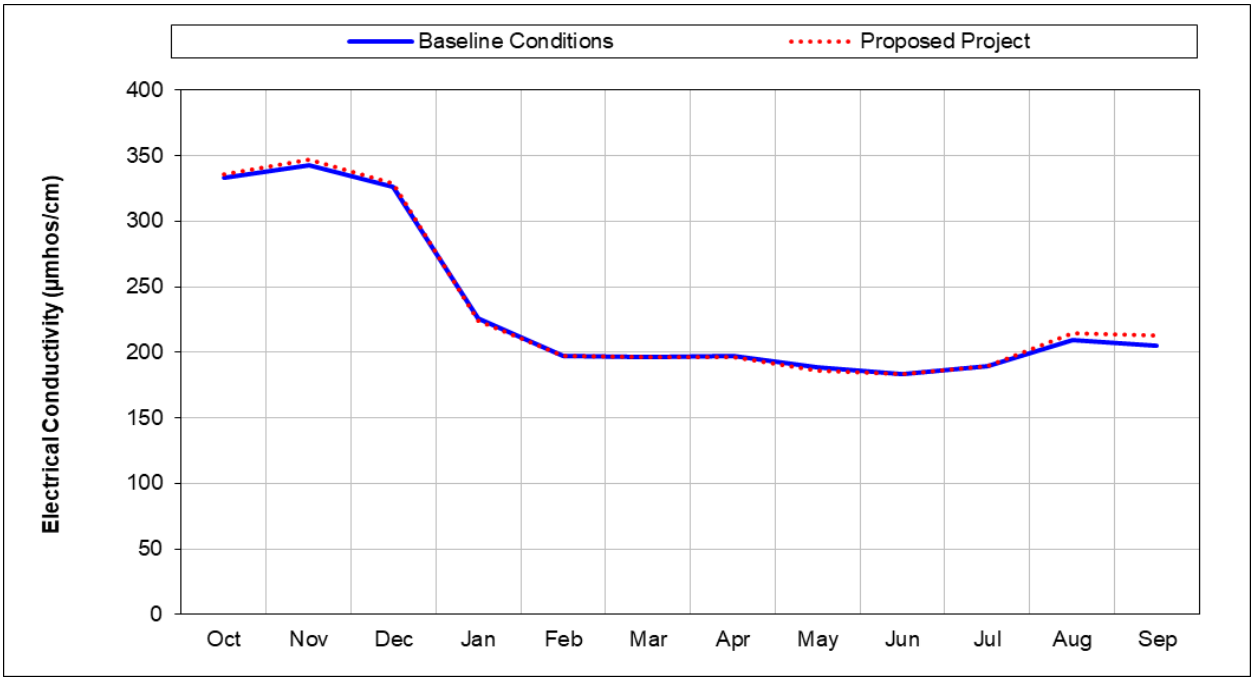

Figure 5B-7b. San Joaquin River at San Andreas Landing, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

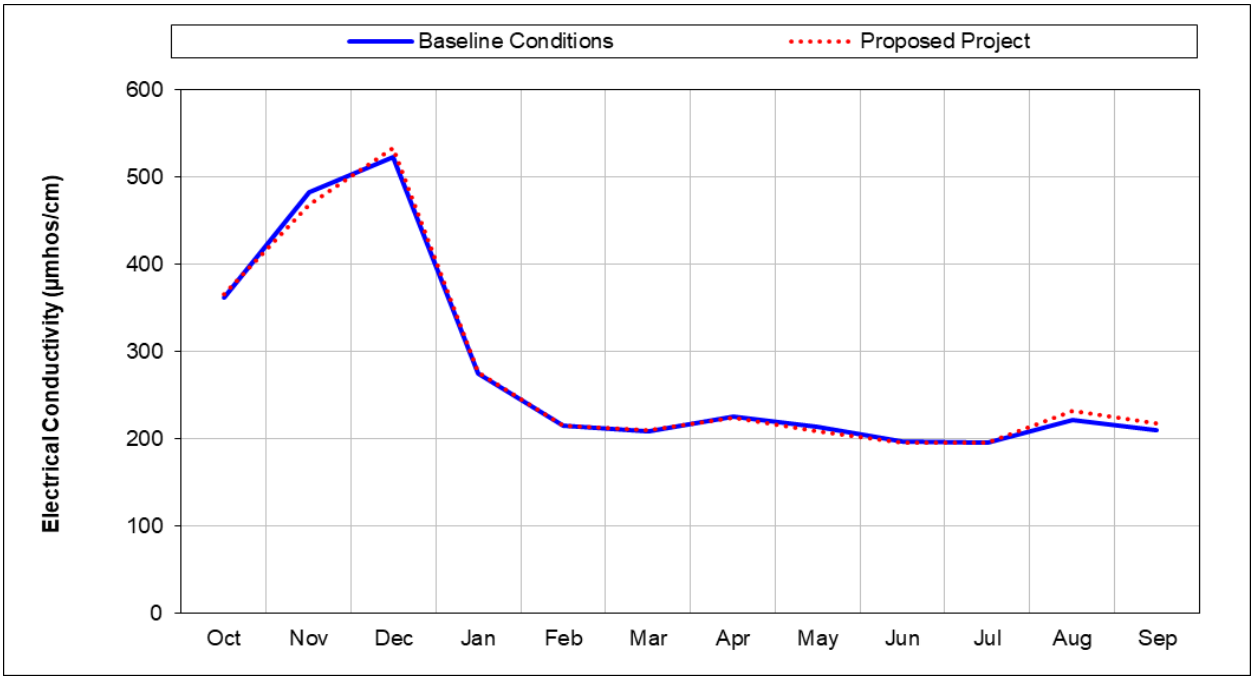

Figure 5B-7c. San Joaquin River at San Andreas Landing, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

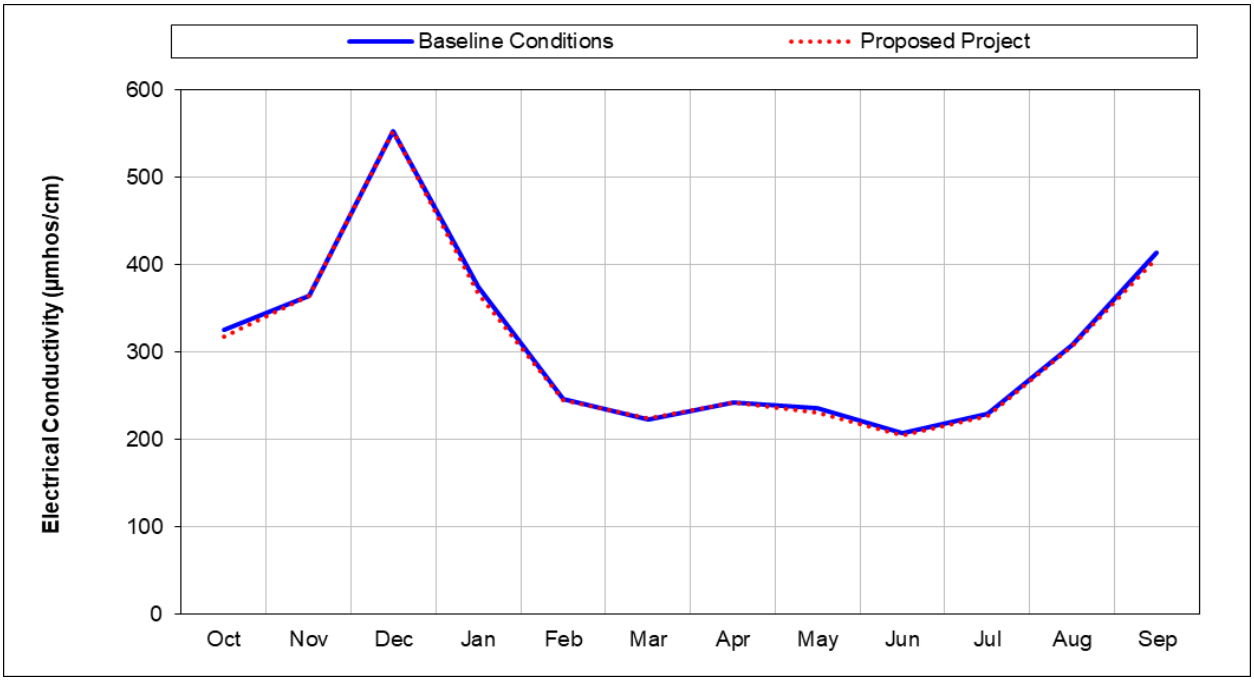

Figure 5B-7d. San Joaquin River at San Andreas Landing, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

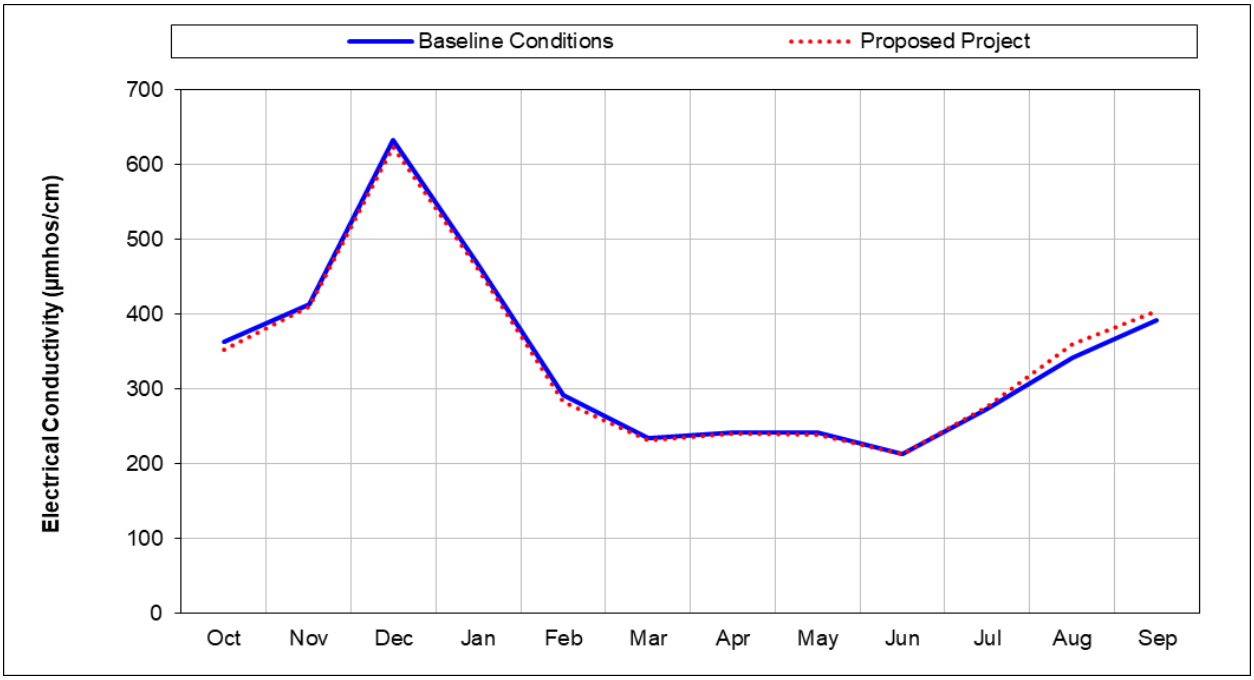

Figure 5B-7e. San Joaquin River at San Andreas Landing, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

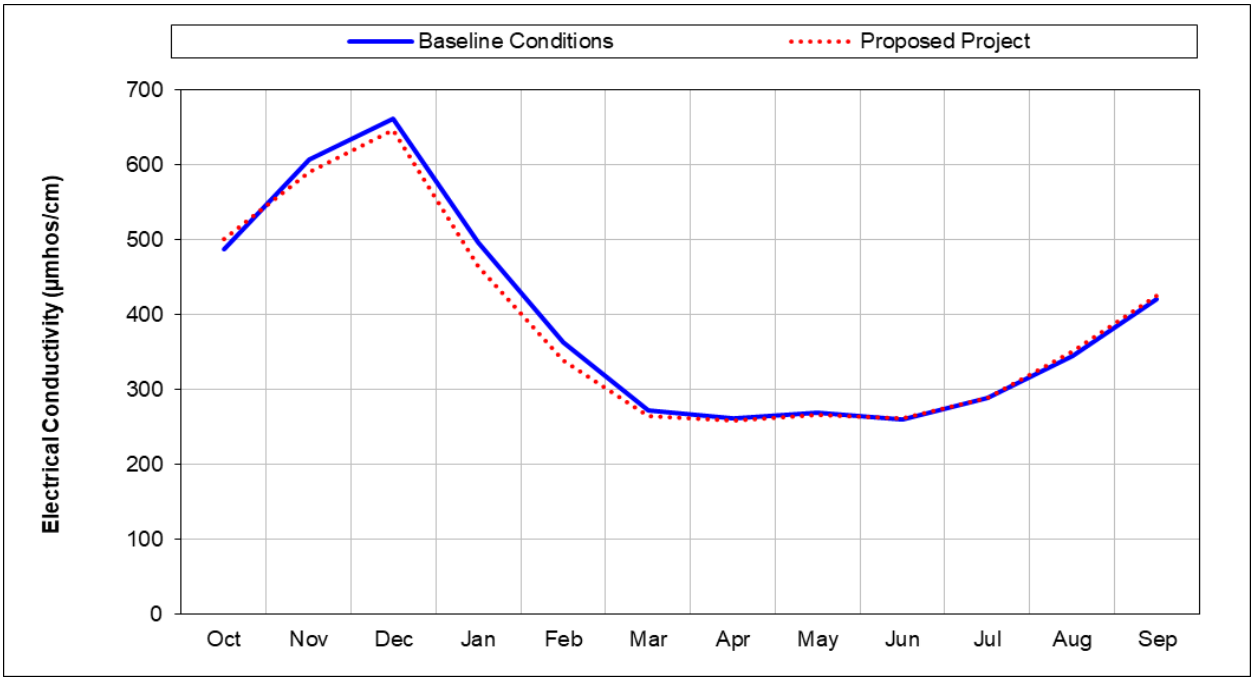

Figure 5B-7f. San Joaquin River at San Andreas Landing, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

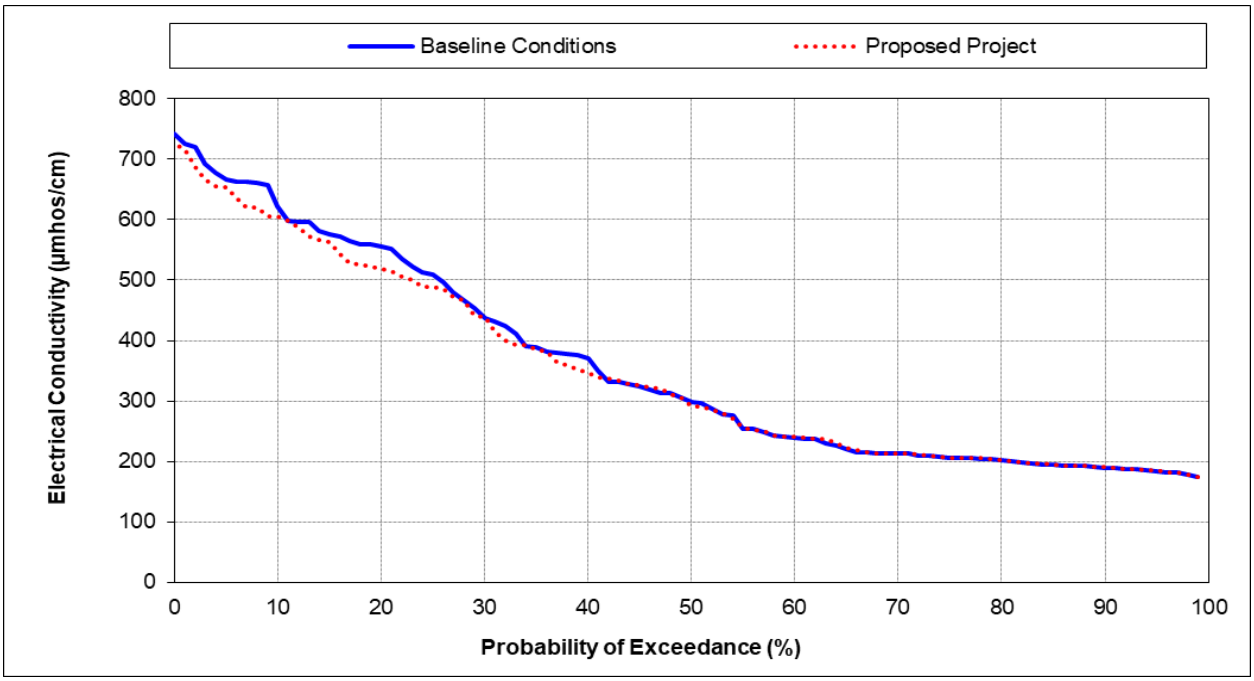

Figure 5B-7g. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), January

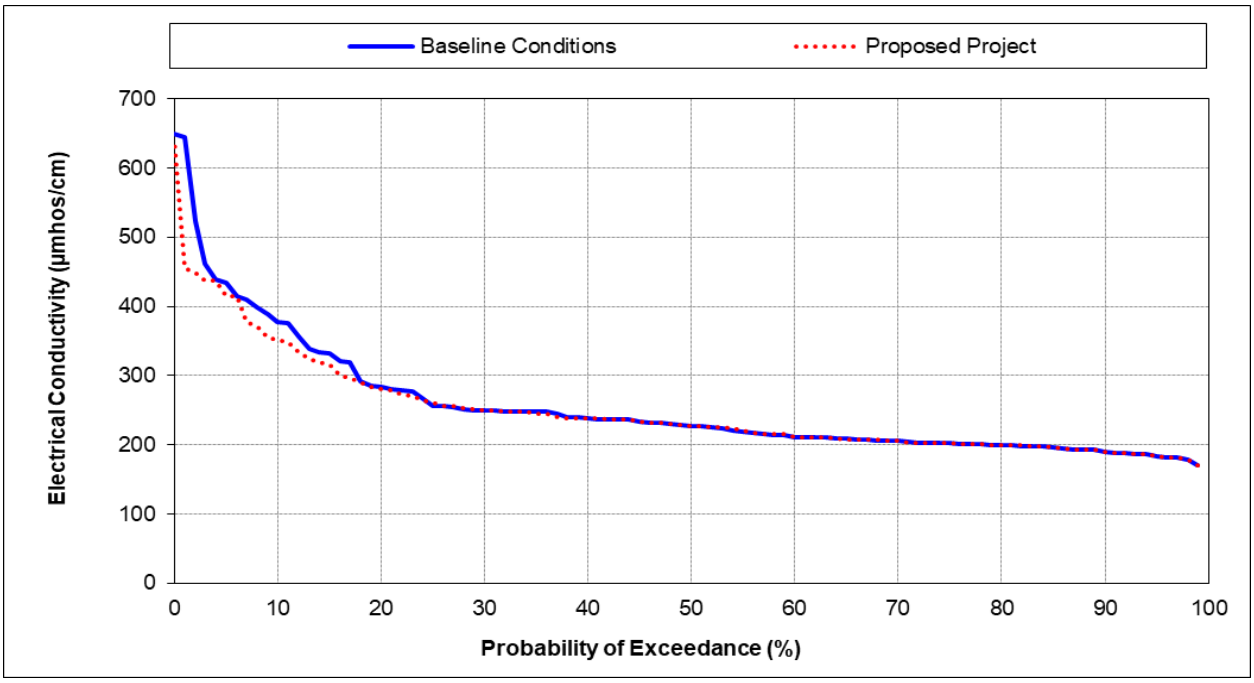

Figure 5B-7h. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), February

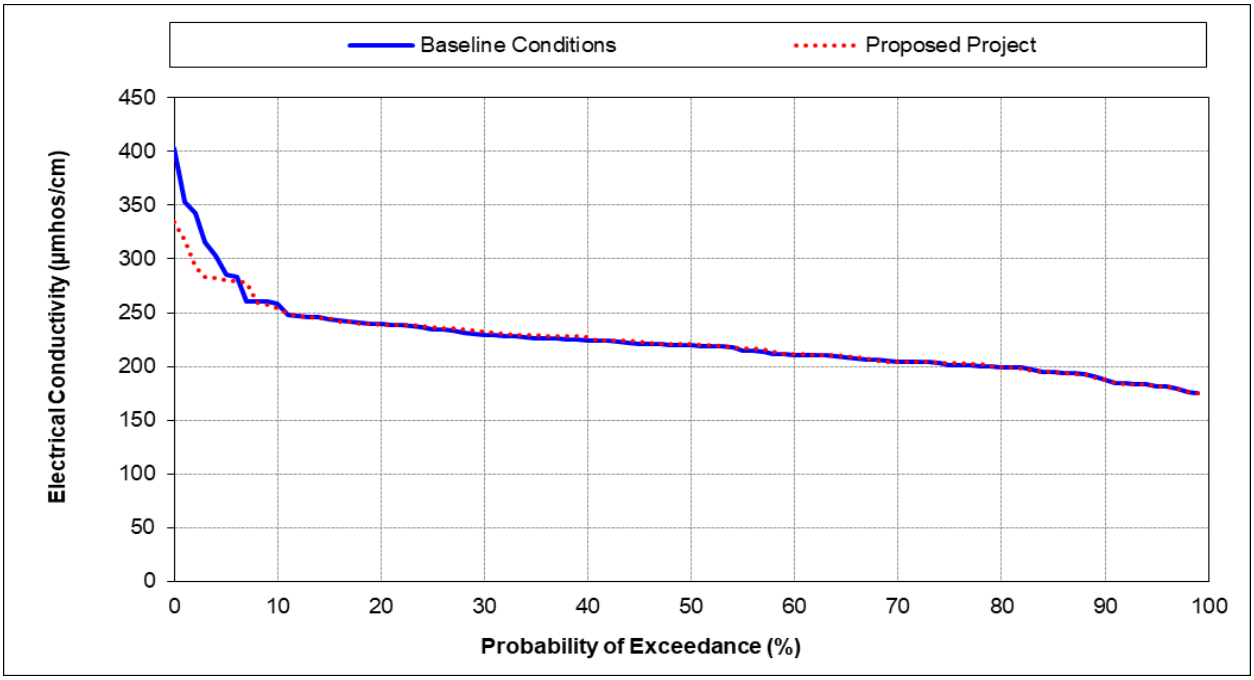

Figure 5B-7i. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), March

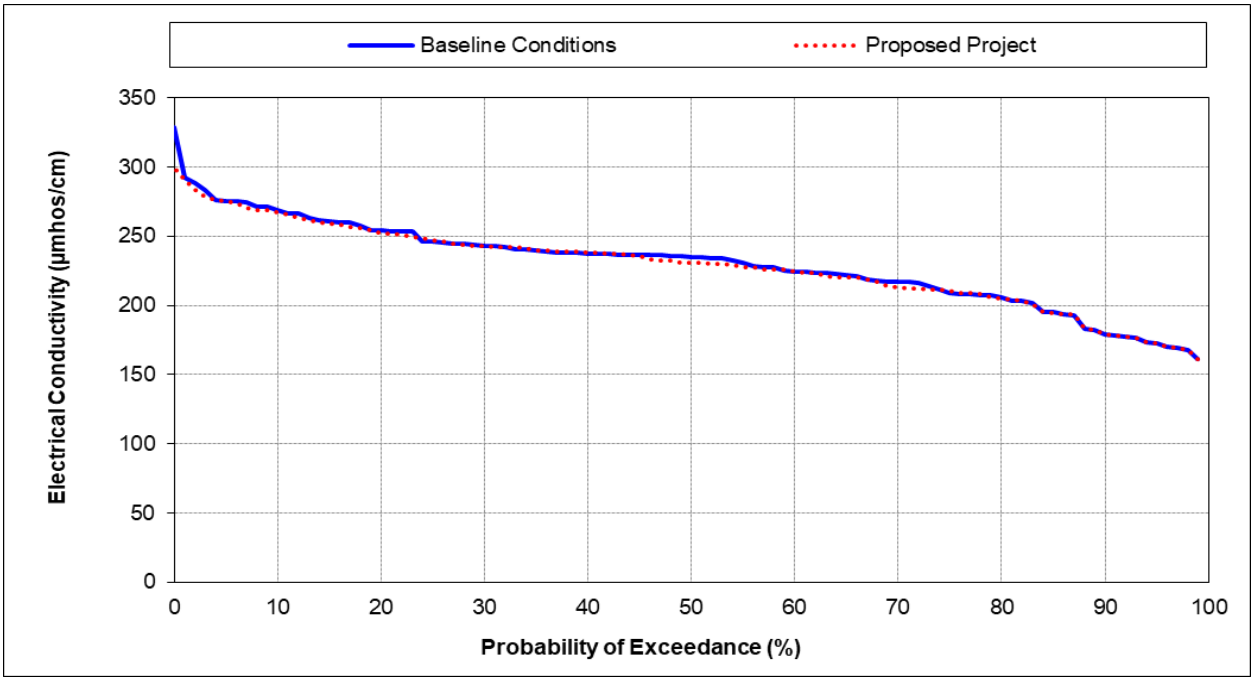

Figure 5B-7j. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), April

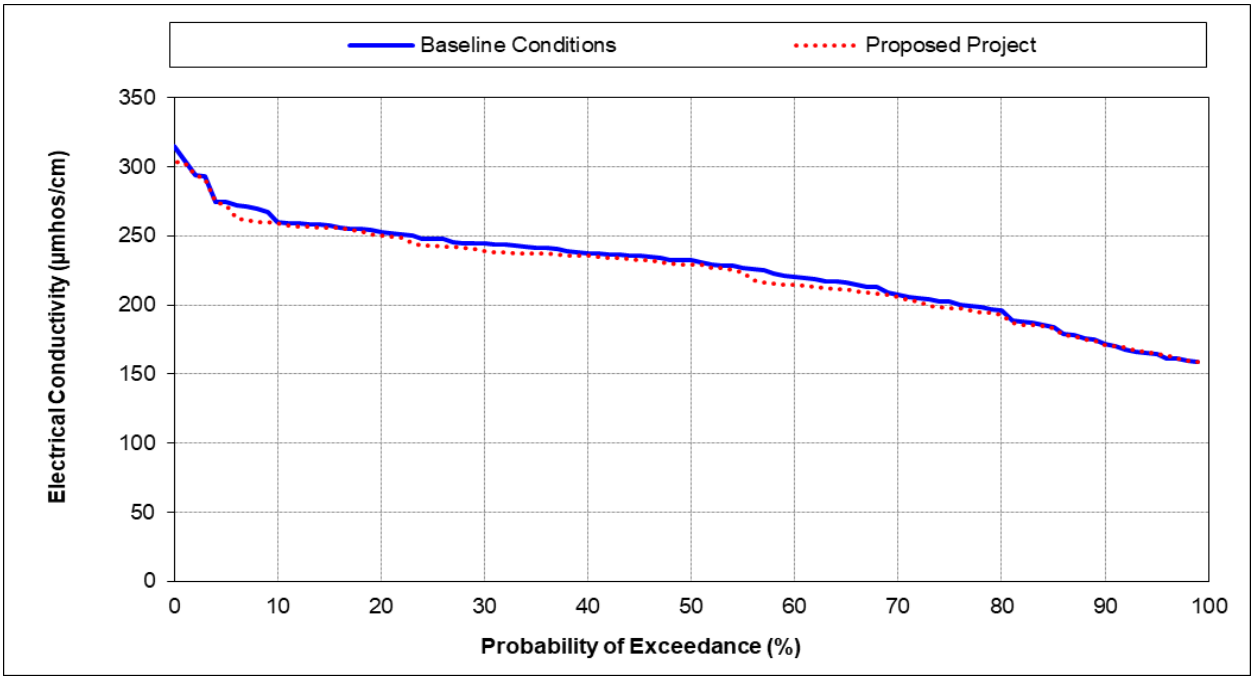

Figure 5B-7k. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), May

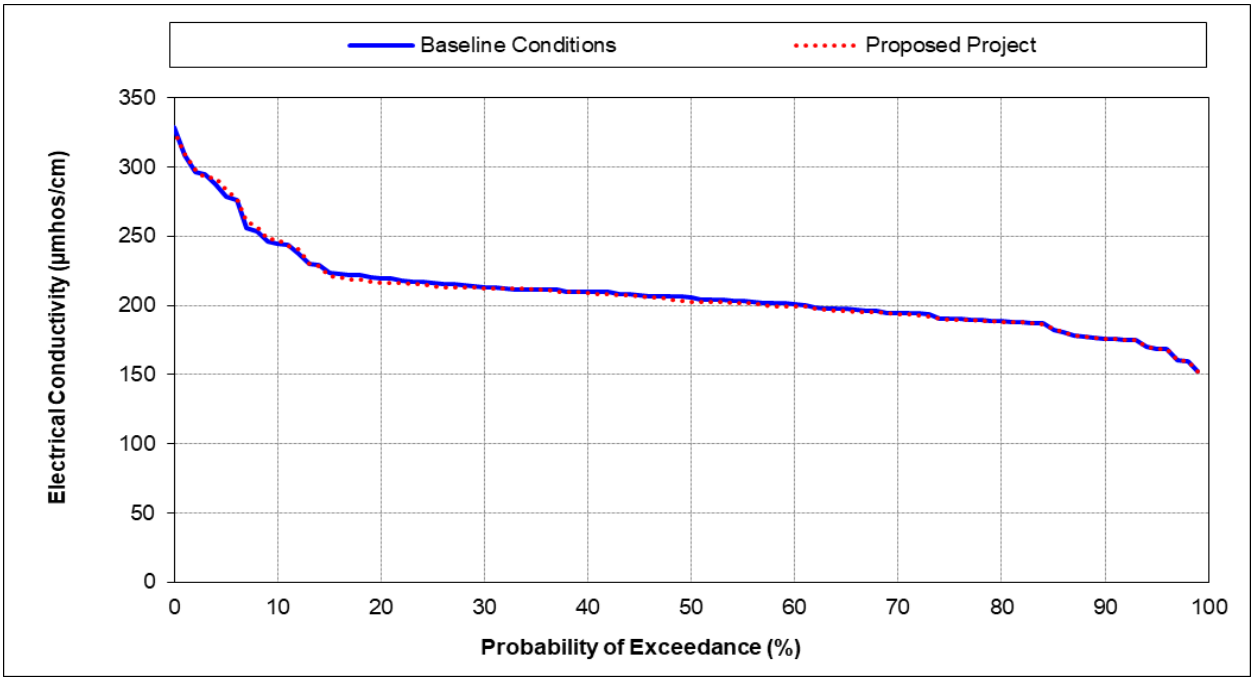

Figure 5B-7l. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), June

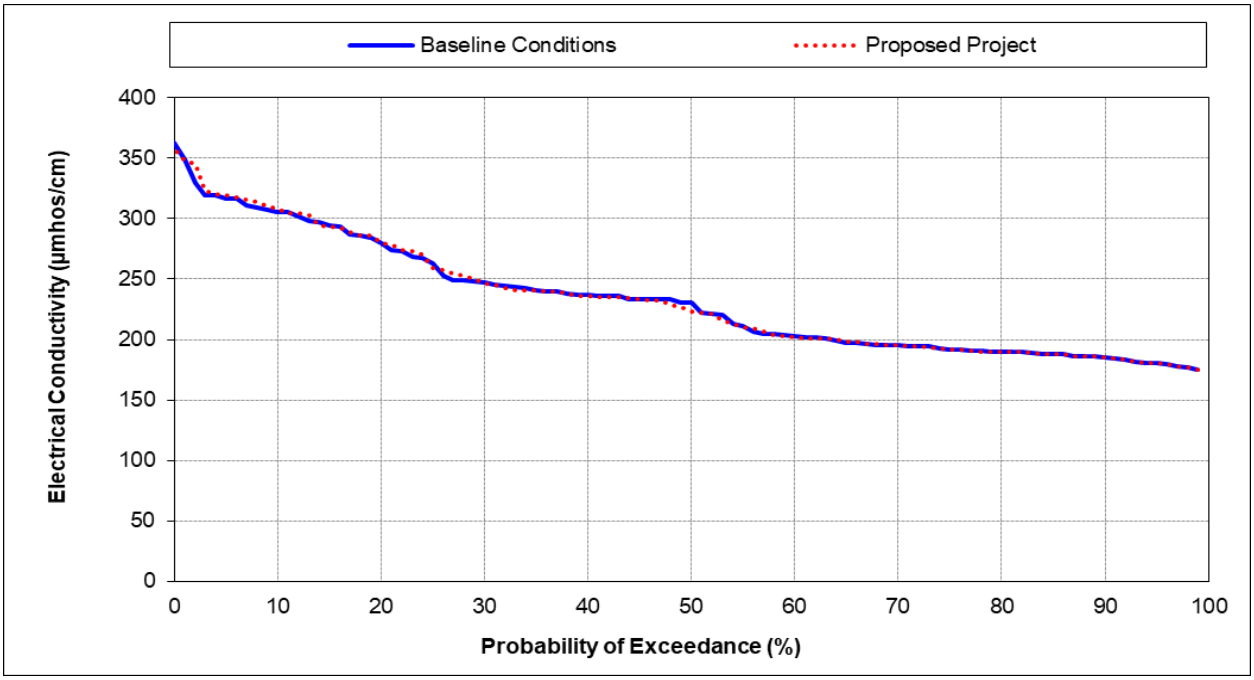

Figure 5B-7m. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), July

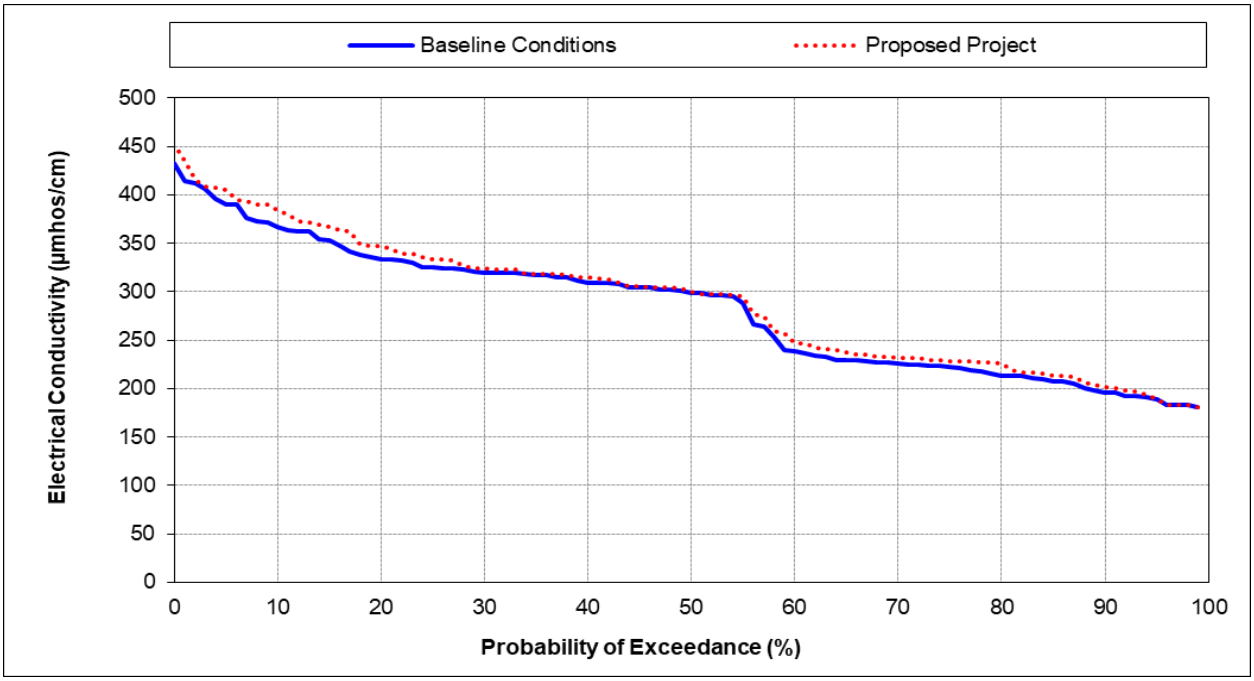

Figure 5B-7n. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), August

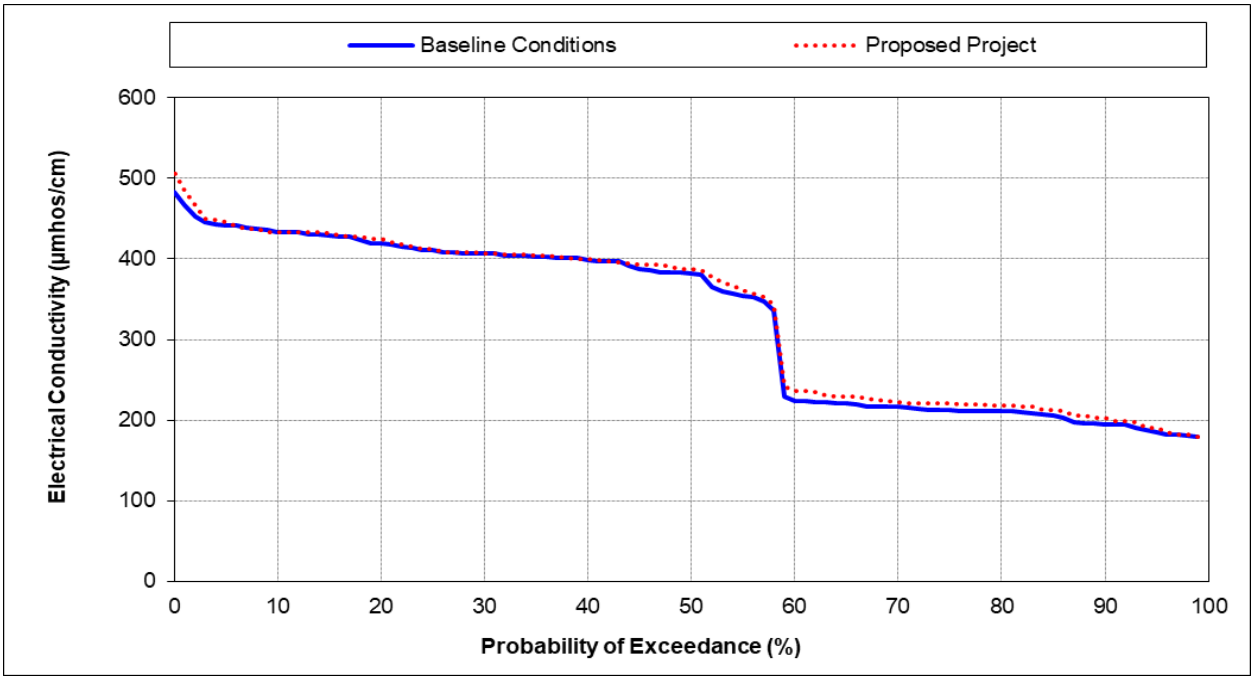

Figure 5B-7o. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), September

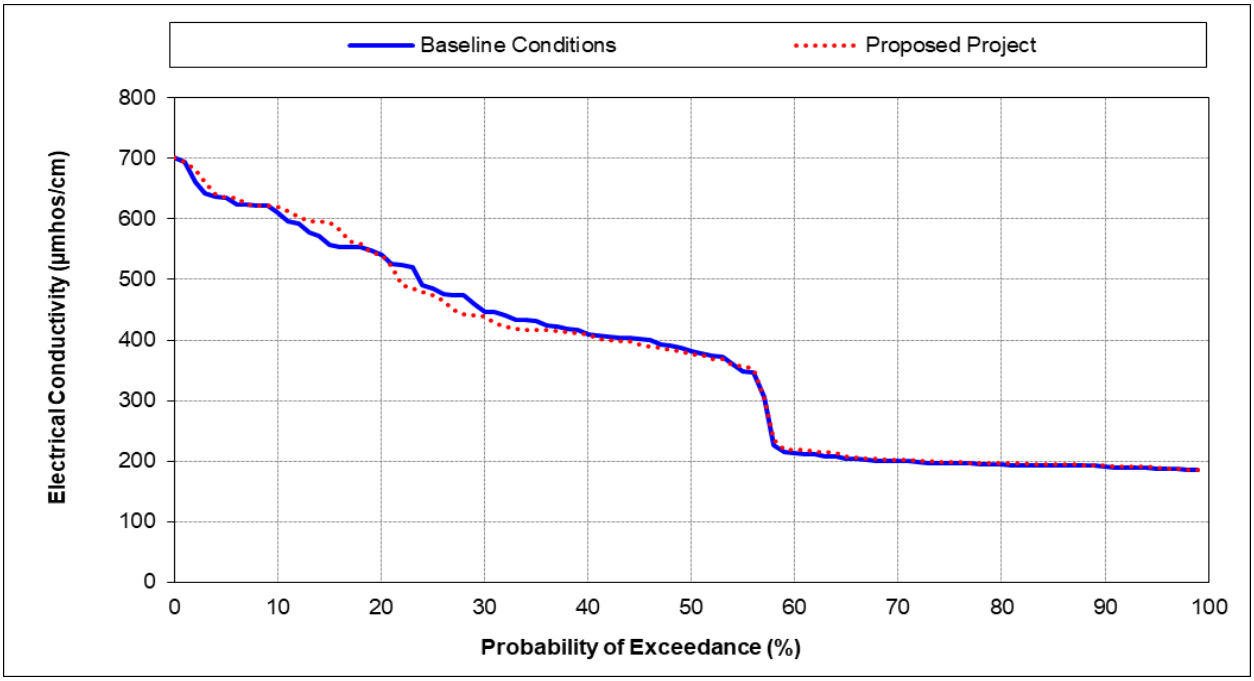

Figure 5B-7p. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), October

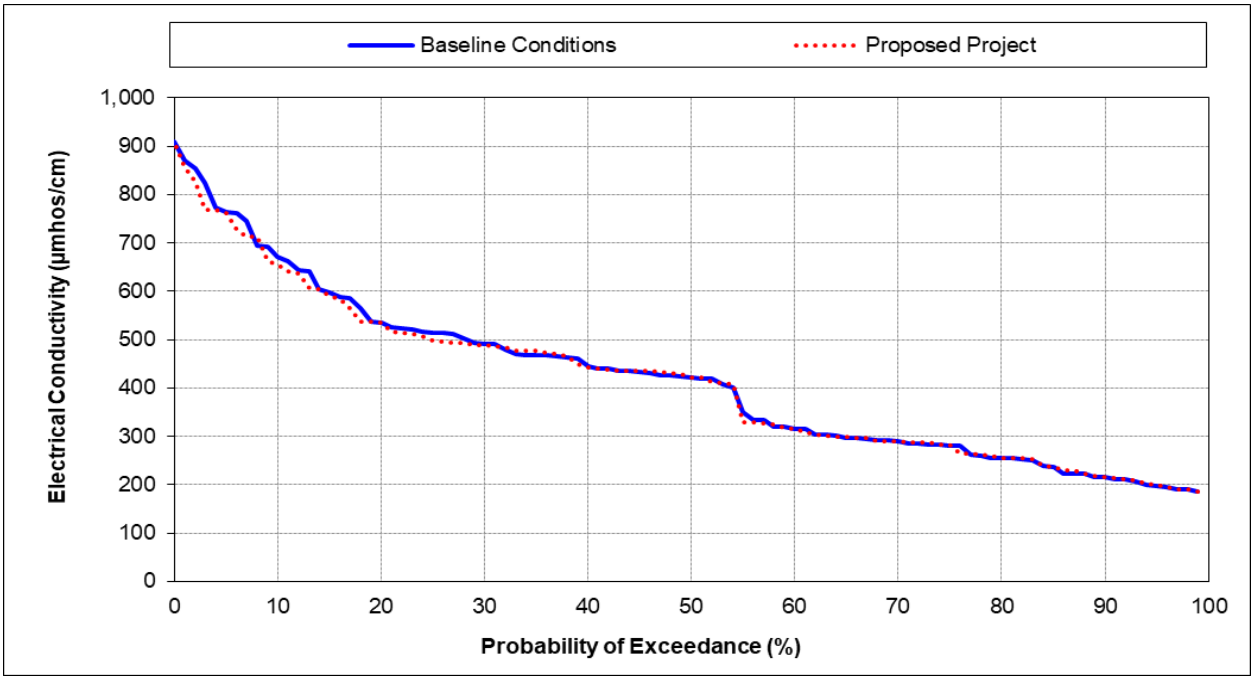

Figure 5B-7q. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), November

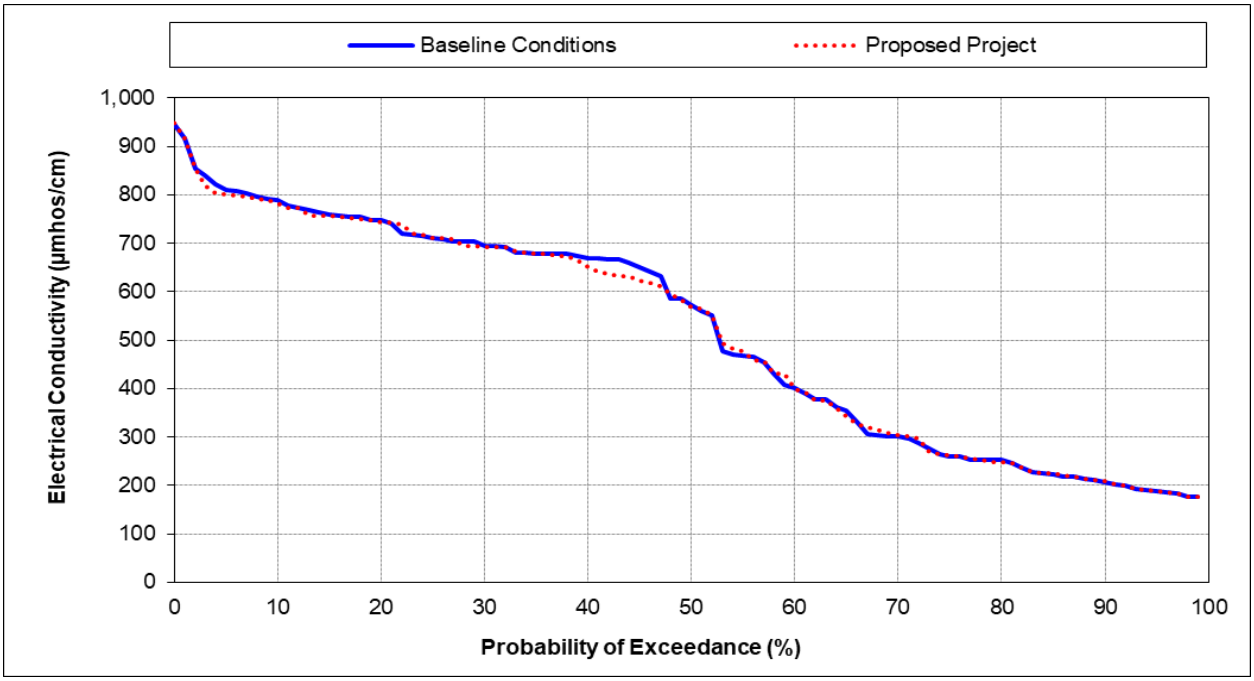

Figure 5B-7r. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), December

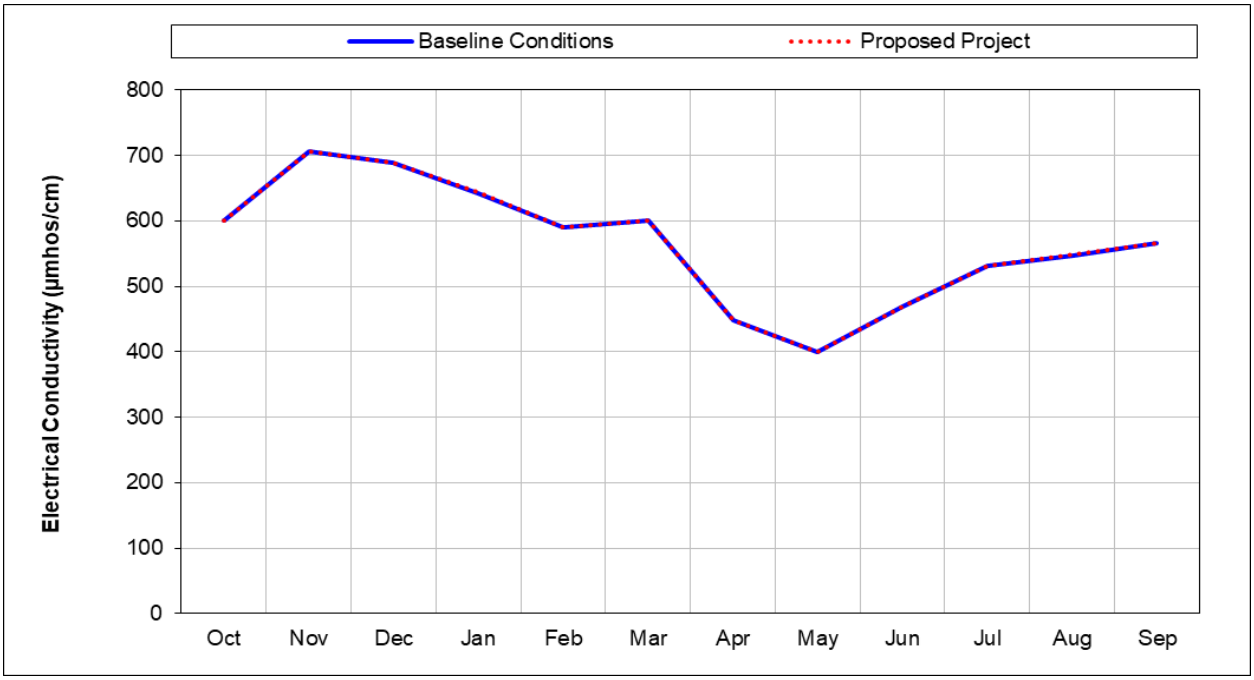

Figure 5B-8a. San Joaquin River at Vernalis, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)

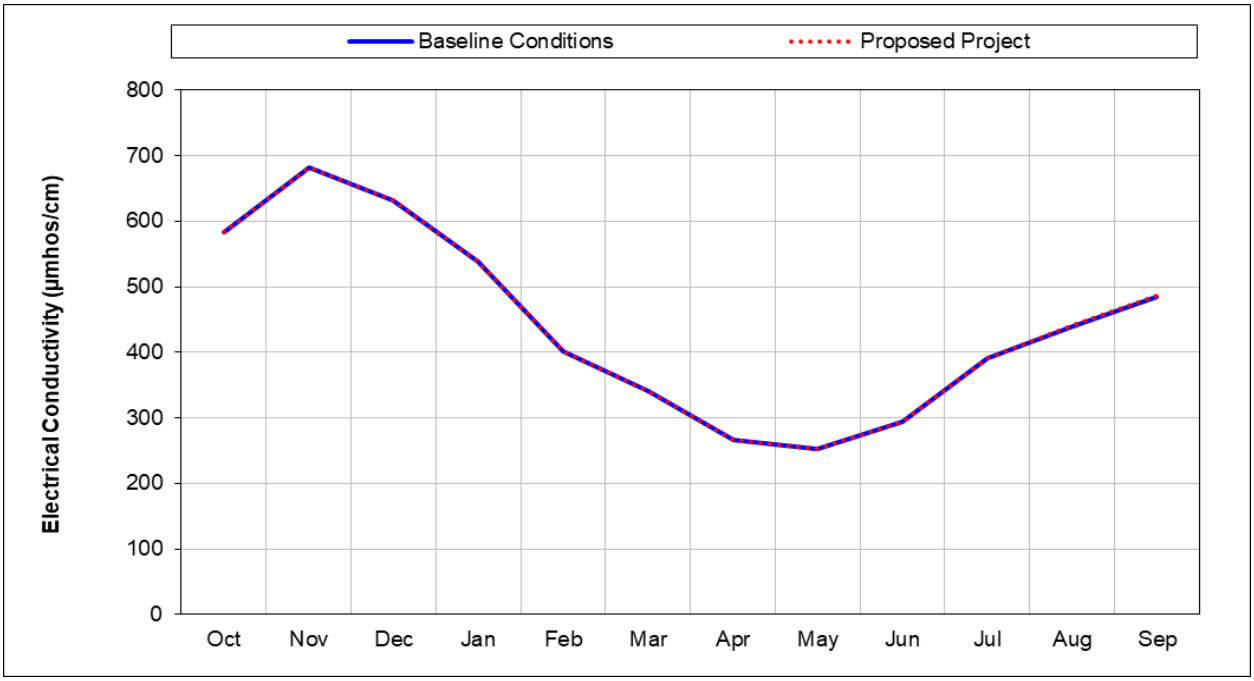

Figure 5B-8b. San Joaquin River at Vernalis, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

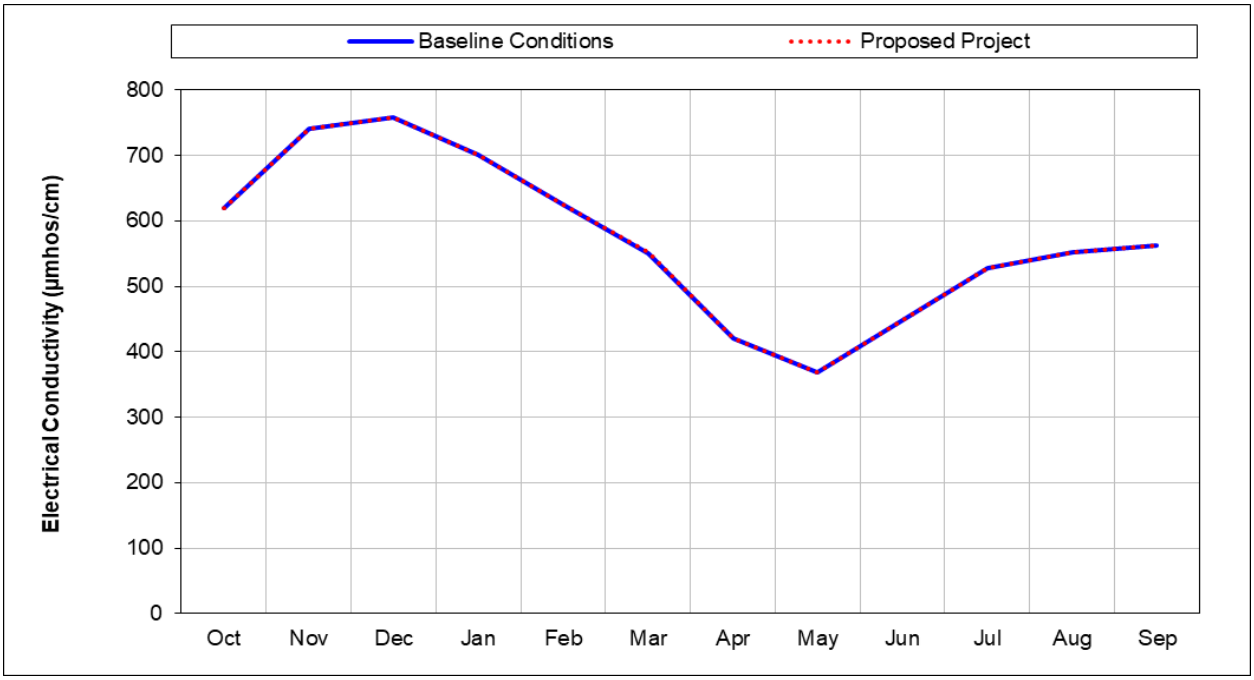

Figure 5B-8c. San Joaquin River at Vernalis, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

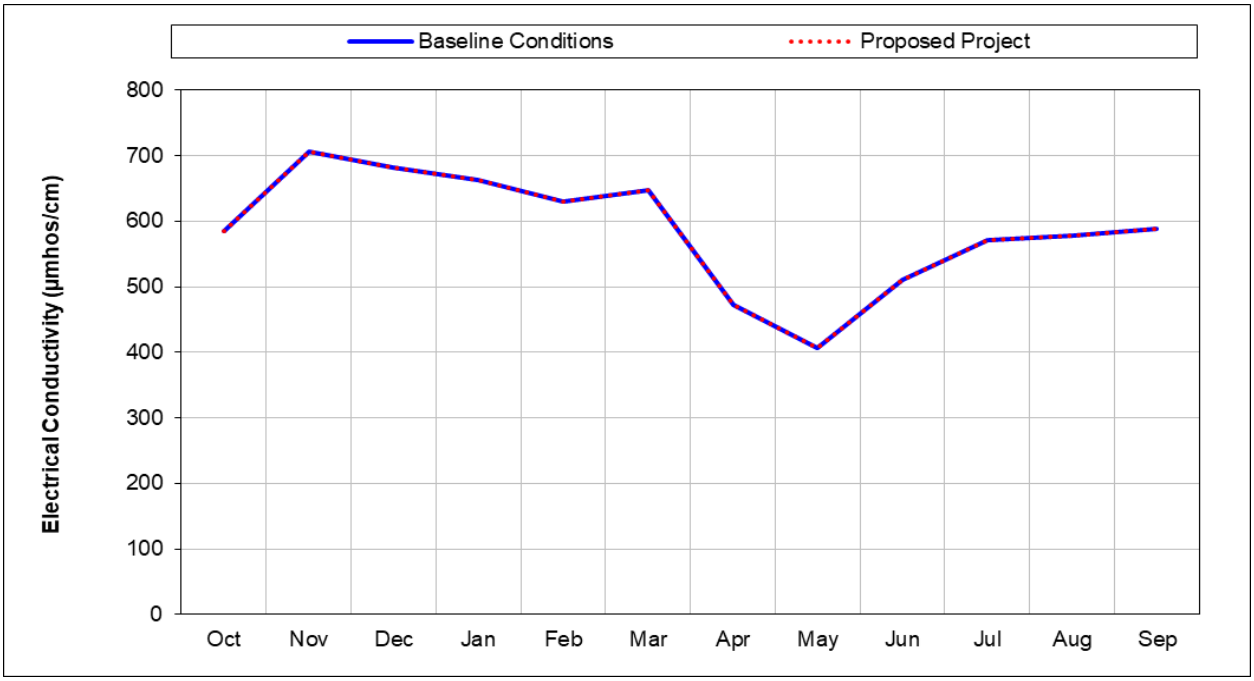

Figure 5B-8d. San Joaquin River at Vernalis, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

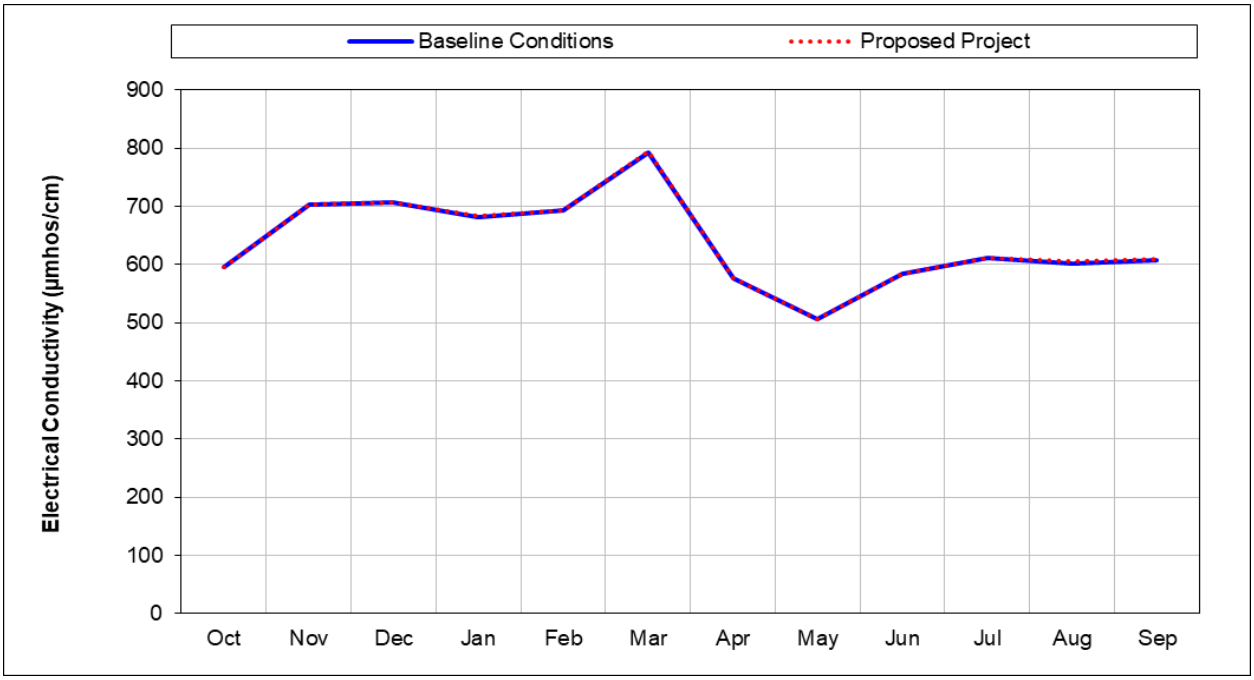

Figure 5B-8e. San Joaquin River at Vernalis, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

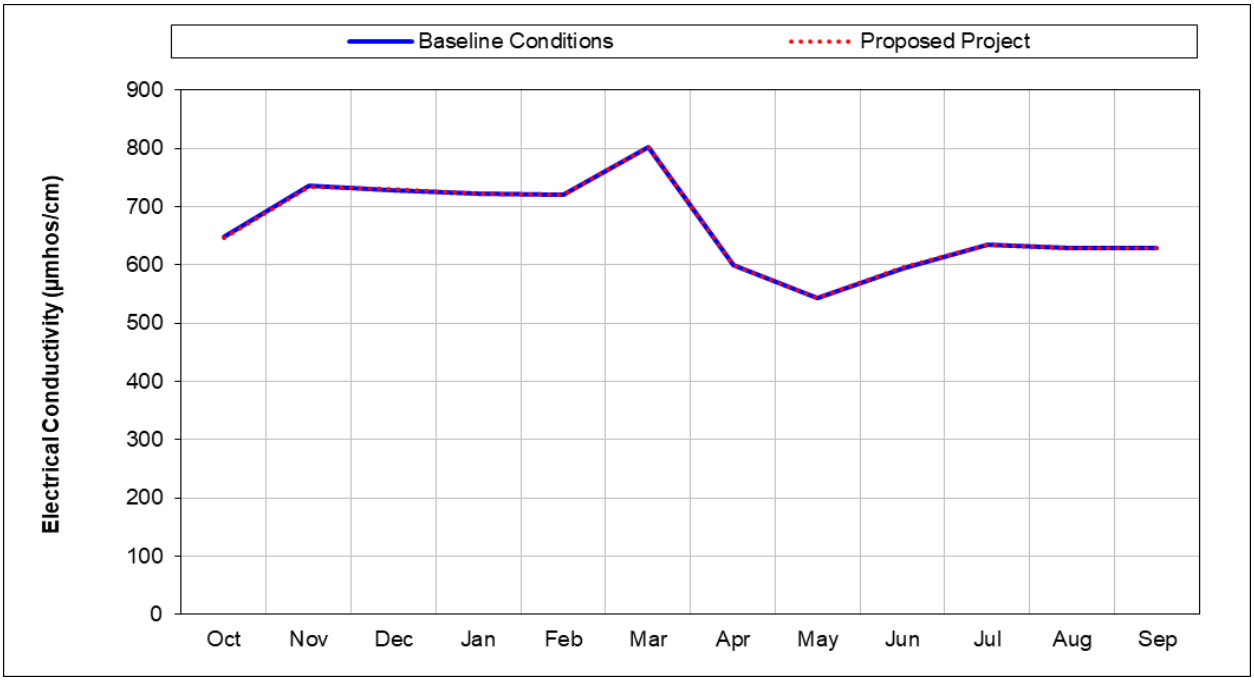

Figure 5B-8f. San Joaquin River at Vernalis, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

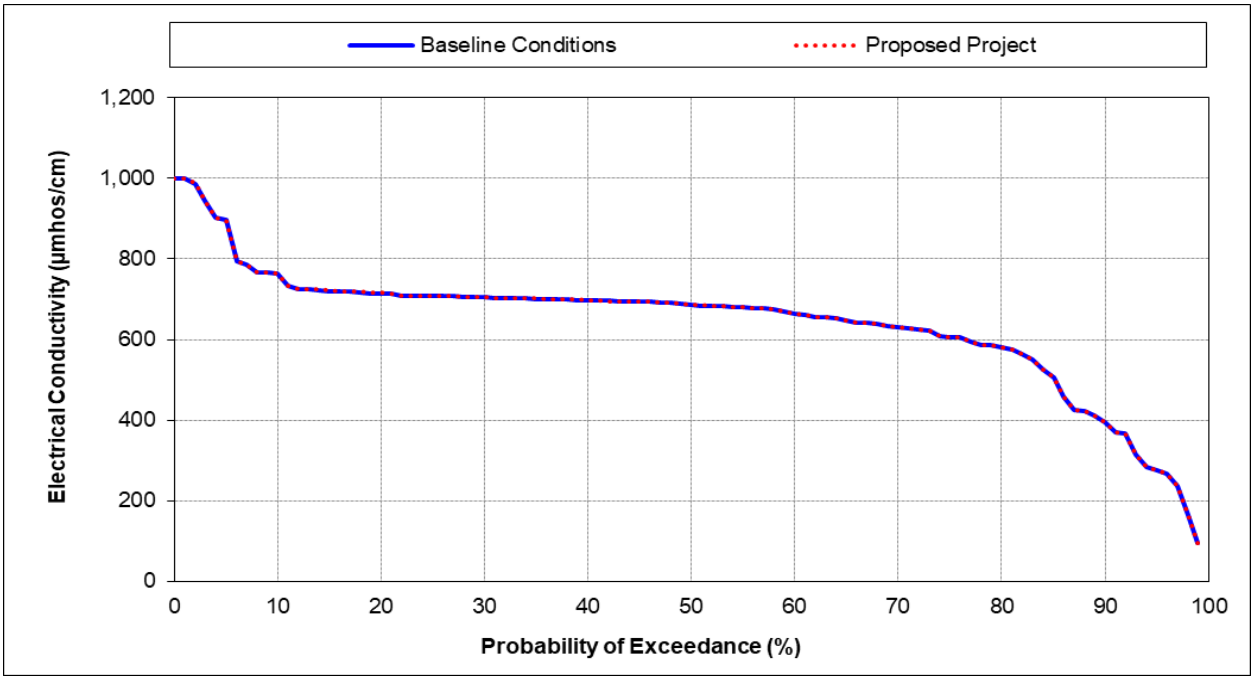

Figure 5B-8g. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), January

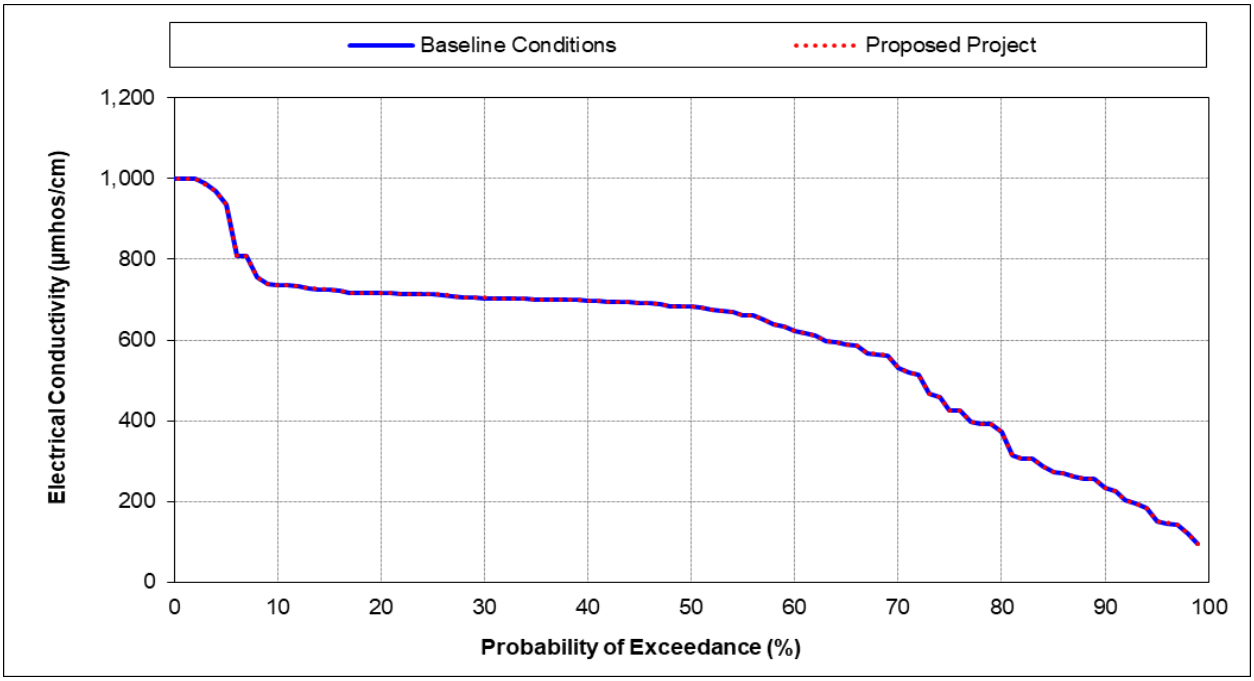

Figure 5B-8h. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), February

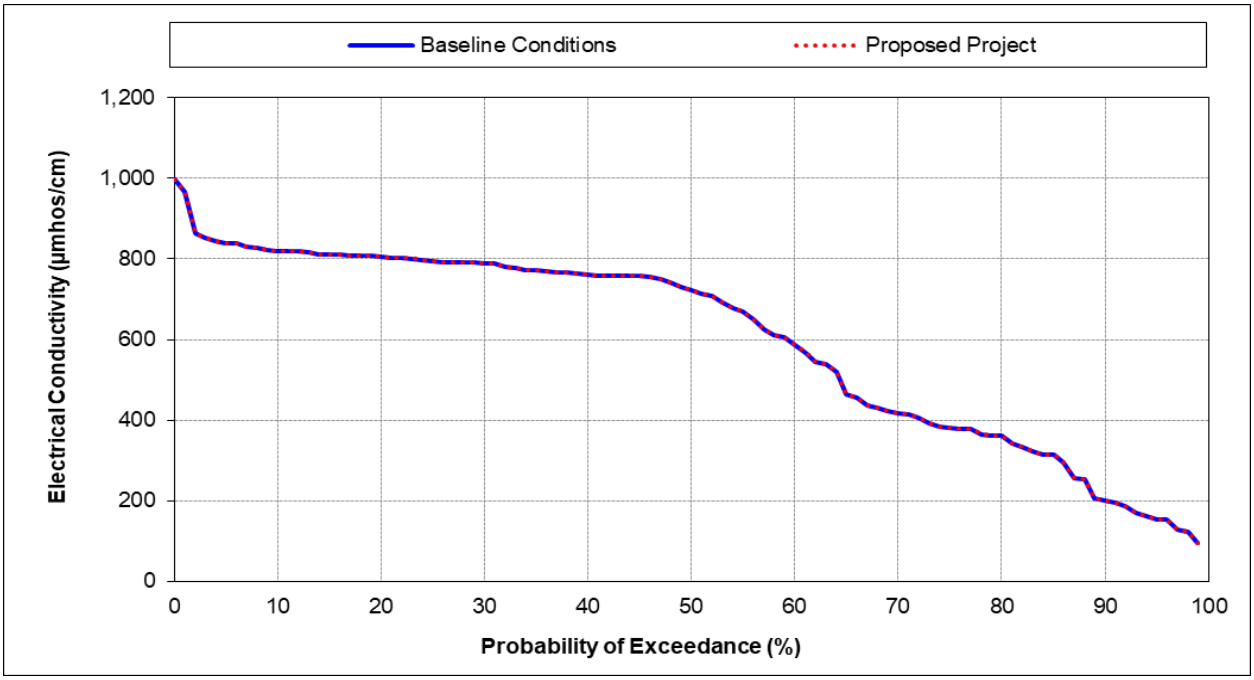

Figure 5B-8i. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), March

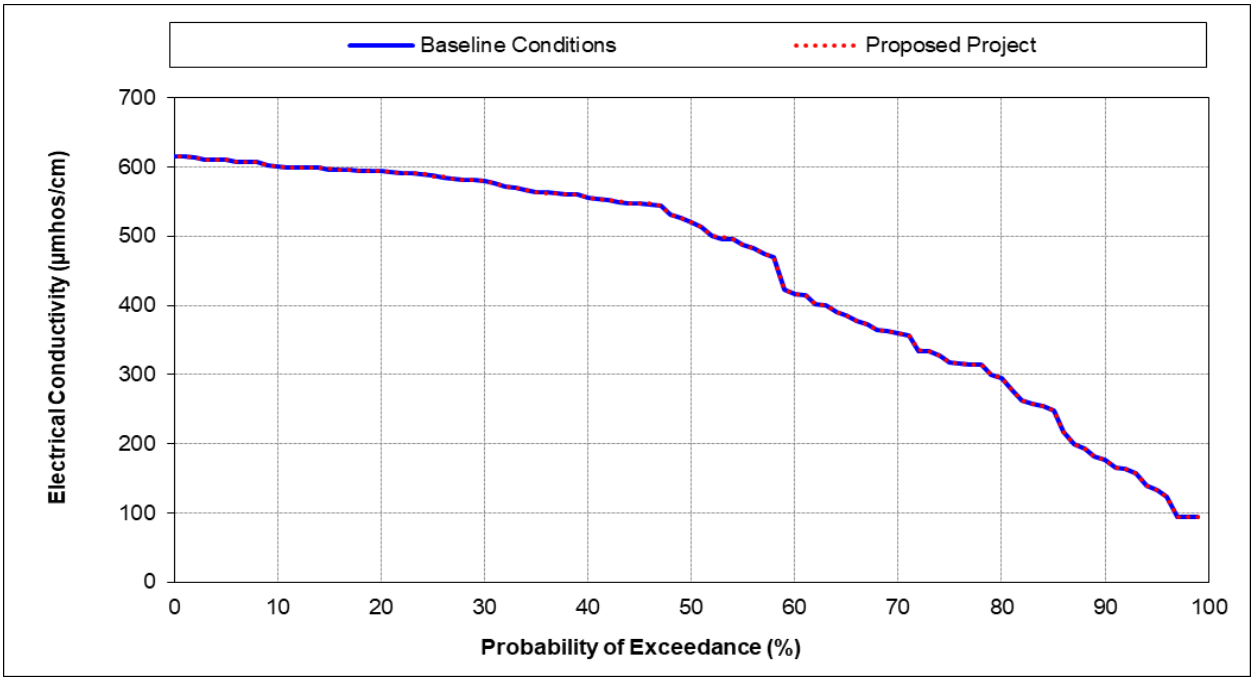

Figure 5B-8j. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), April

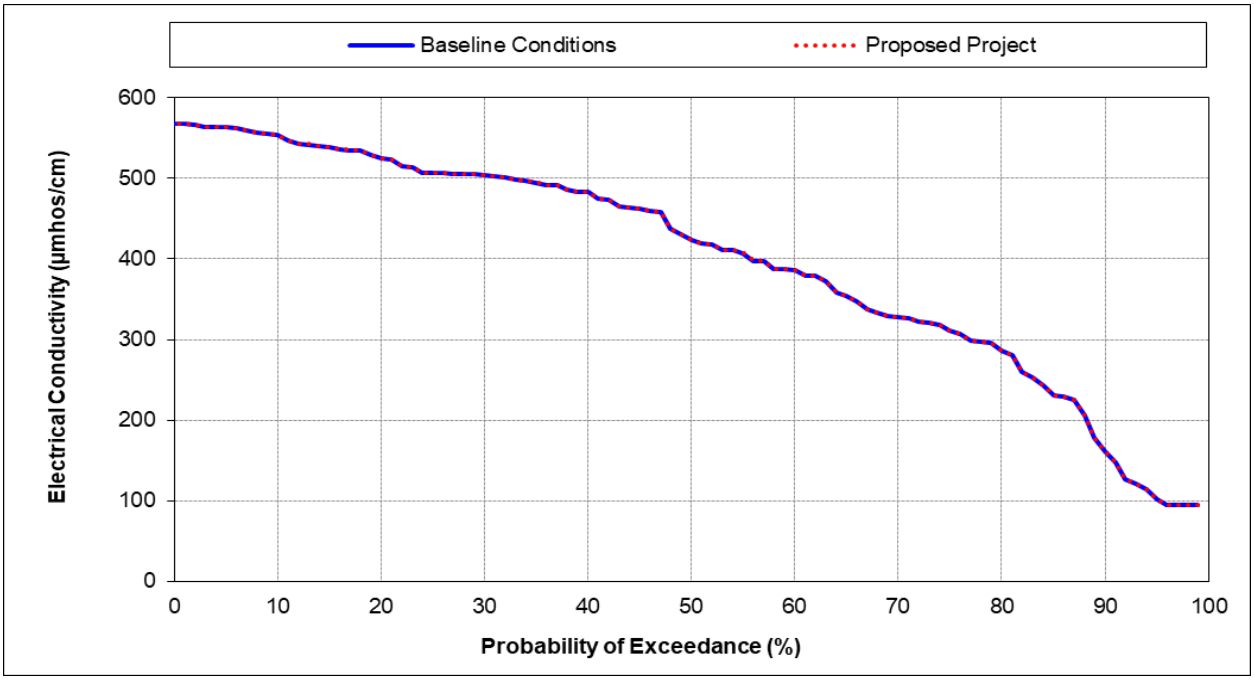

Figure 5B-8k. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), May

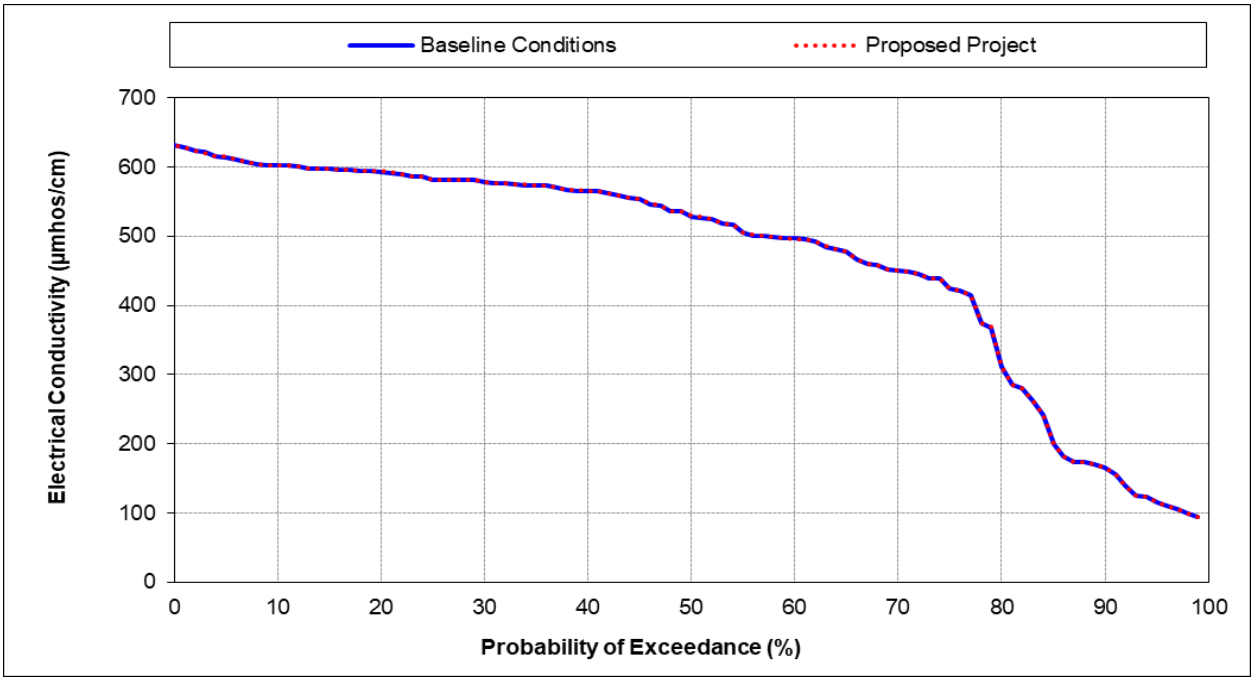

Figure 5B-8l. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), June

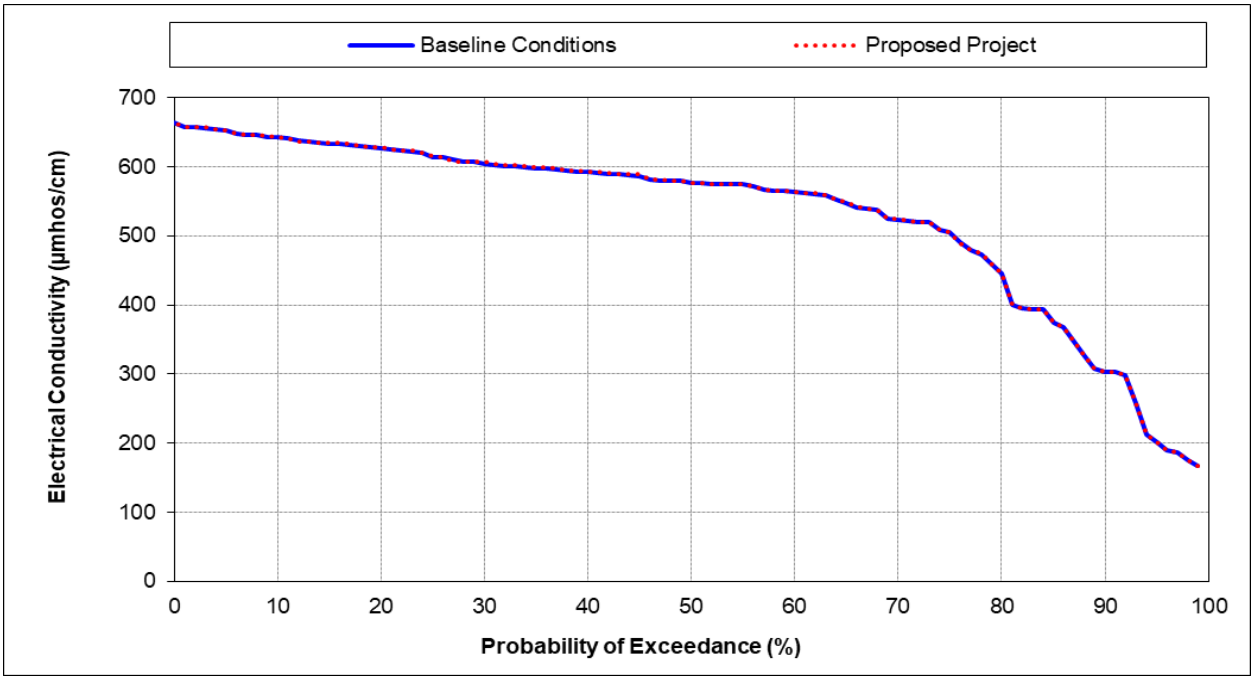

Figure 5B-8m. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), July

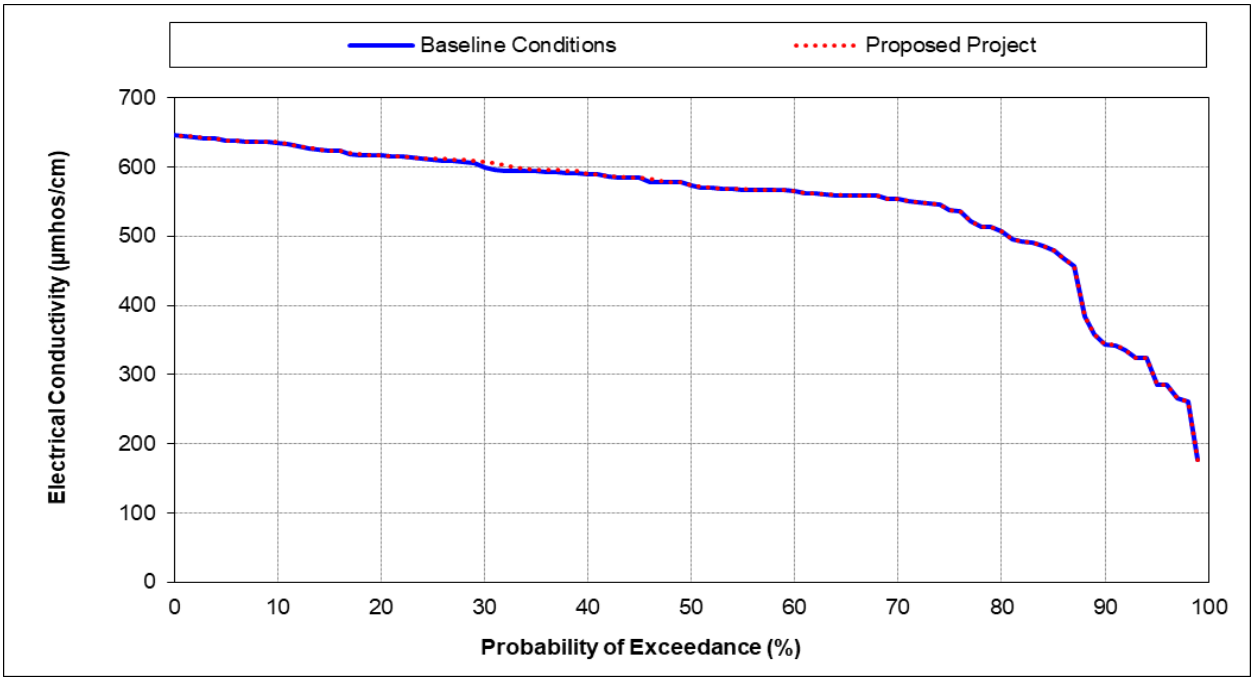

Figure 5B-8n. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), August

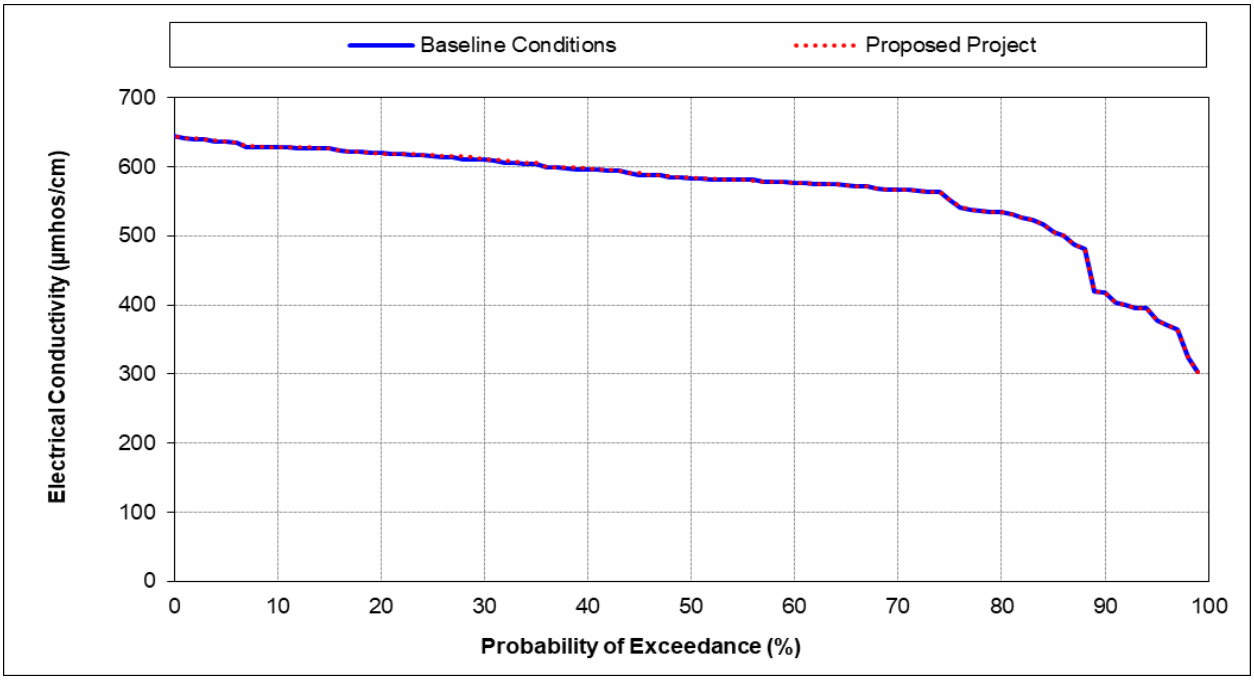

Figure 5B-8o. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), September

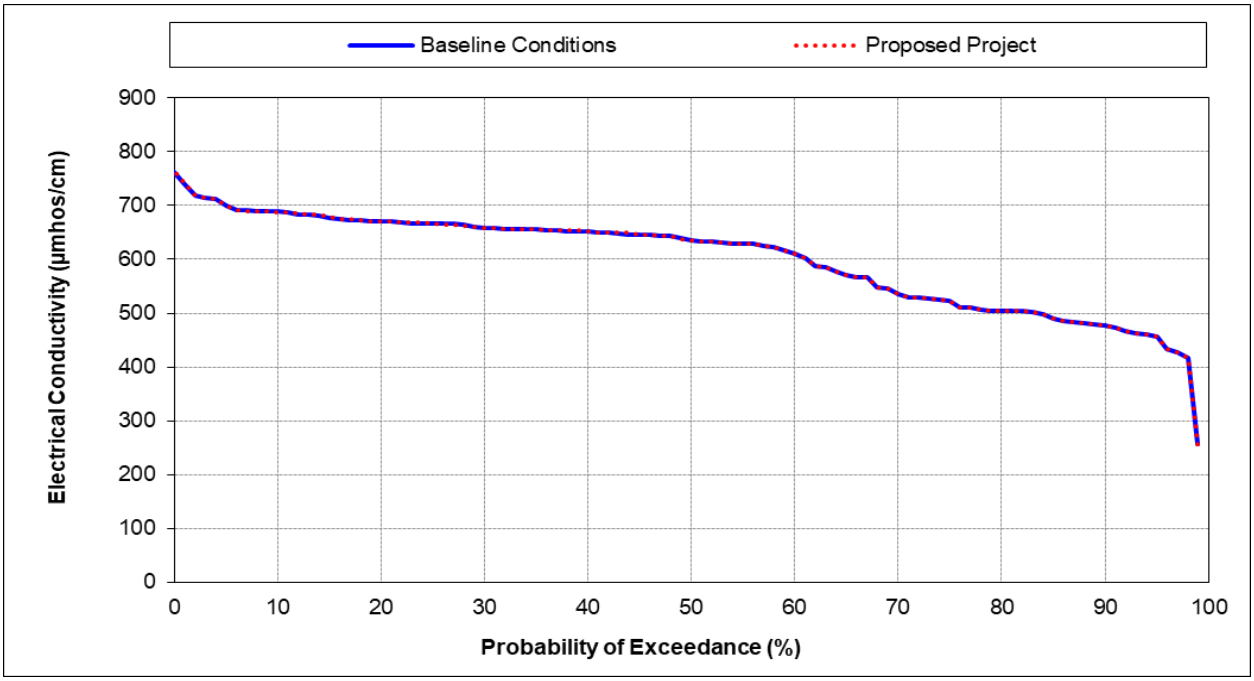

Figure 5B-8p. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), October

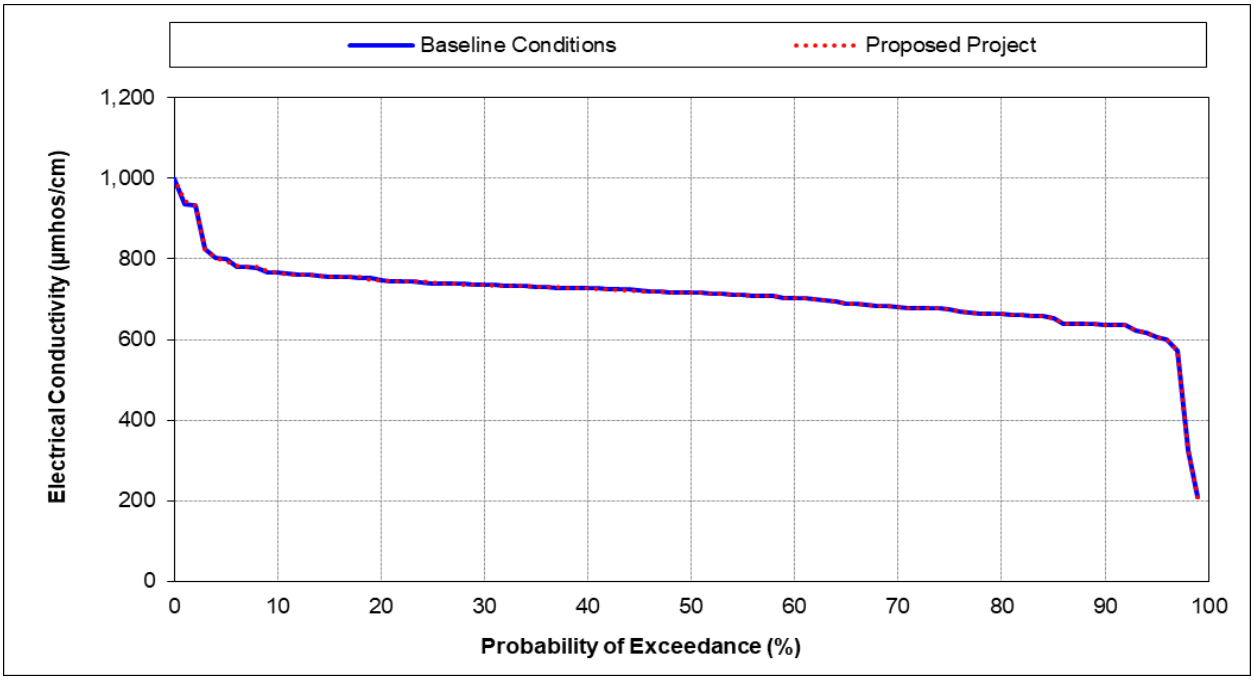

Figure 5B-8q. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), November

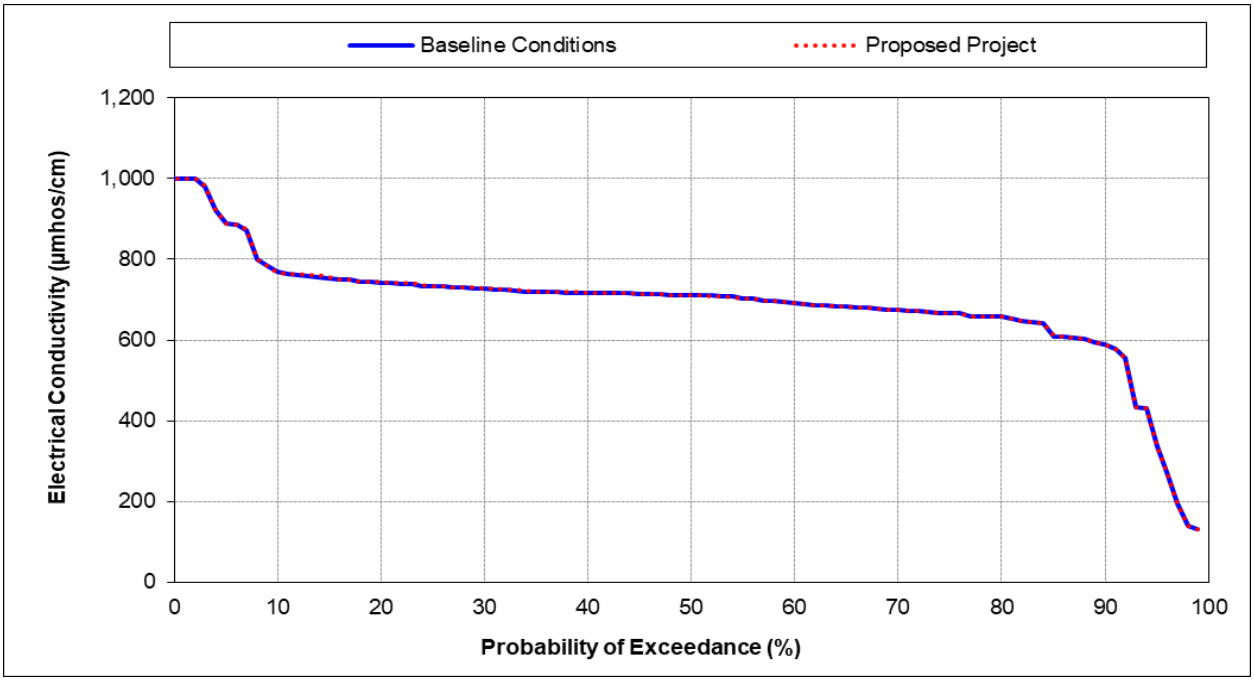

Figure 5B-8r. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), December

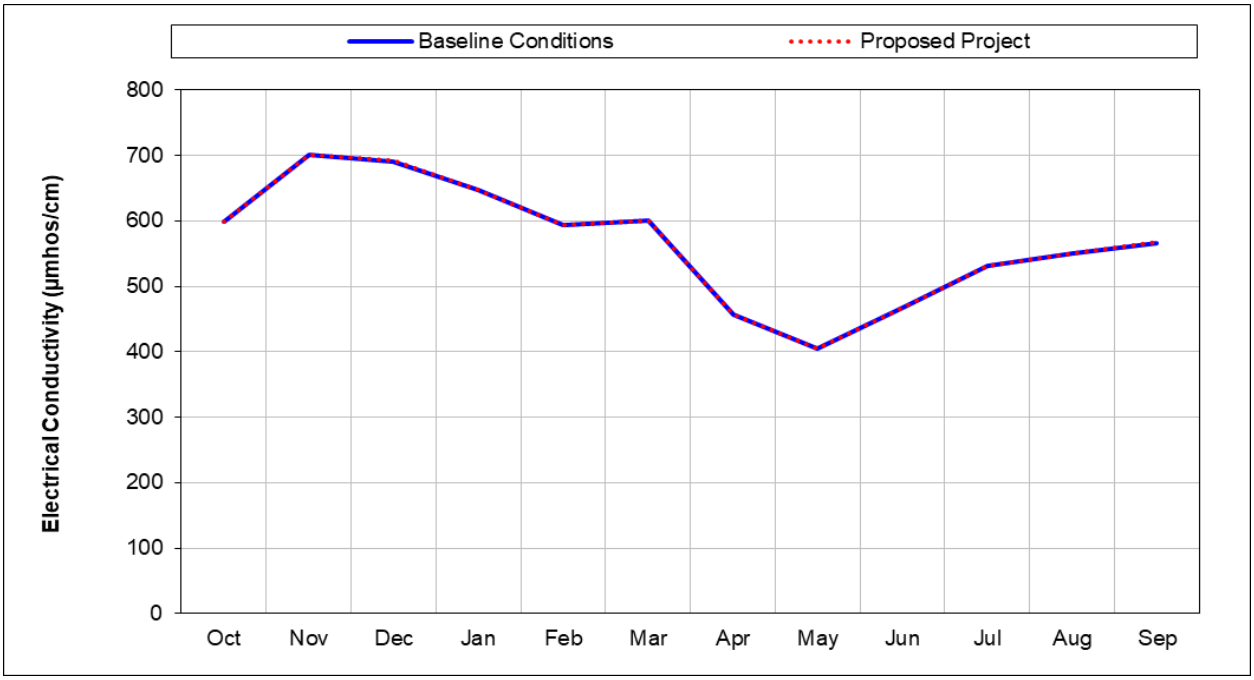

Figure 5B-9a. San Joaquin River at Brandt Bridge, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)

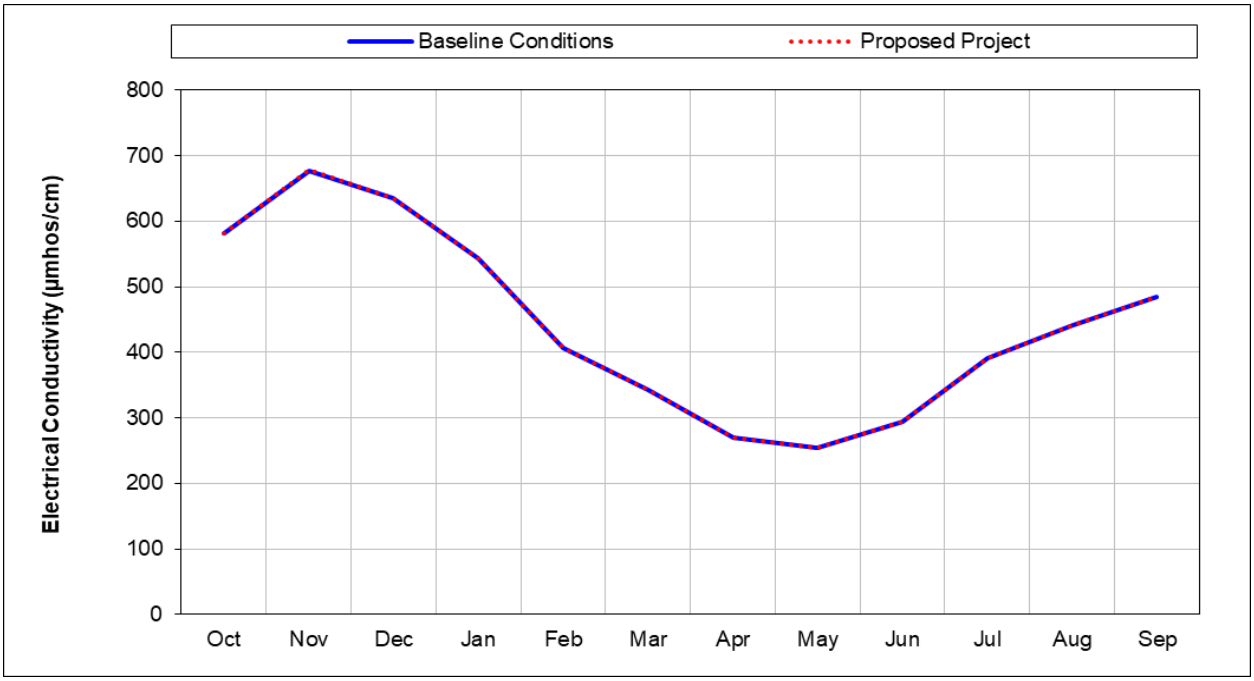

Figure 5B-9b. San Joaquin River at Brandt Bridge, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

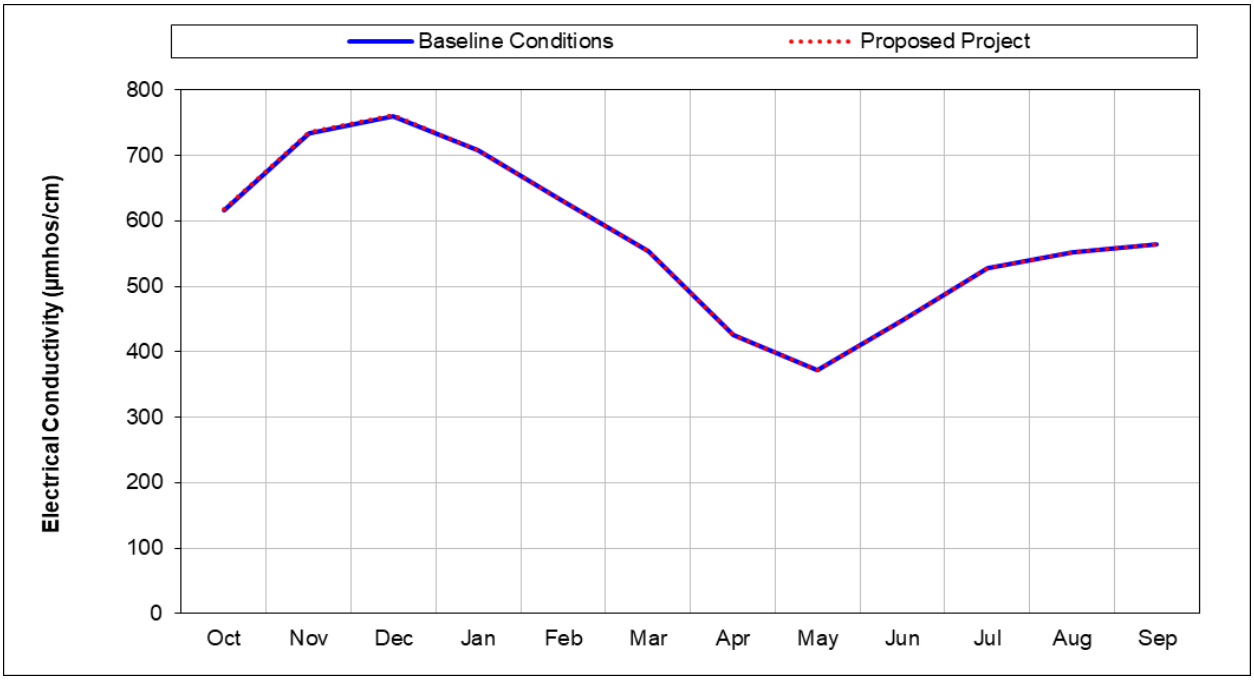

Figure 5B-9c. San Joaquin River at Brandt Bridge, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

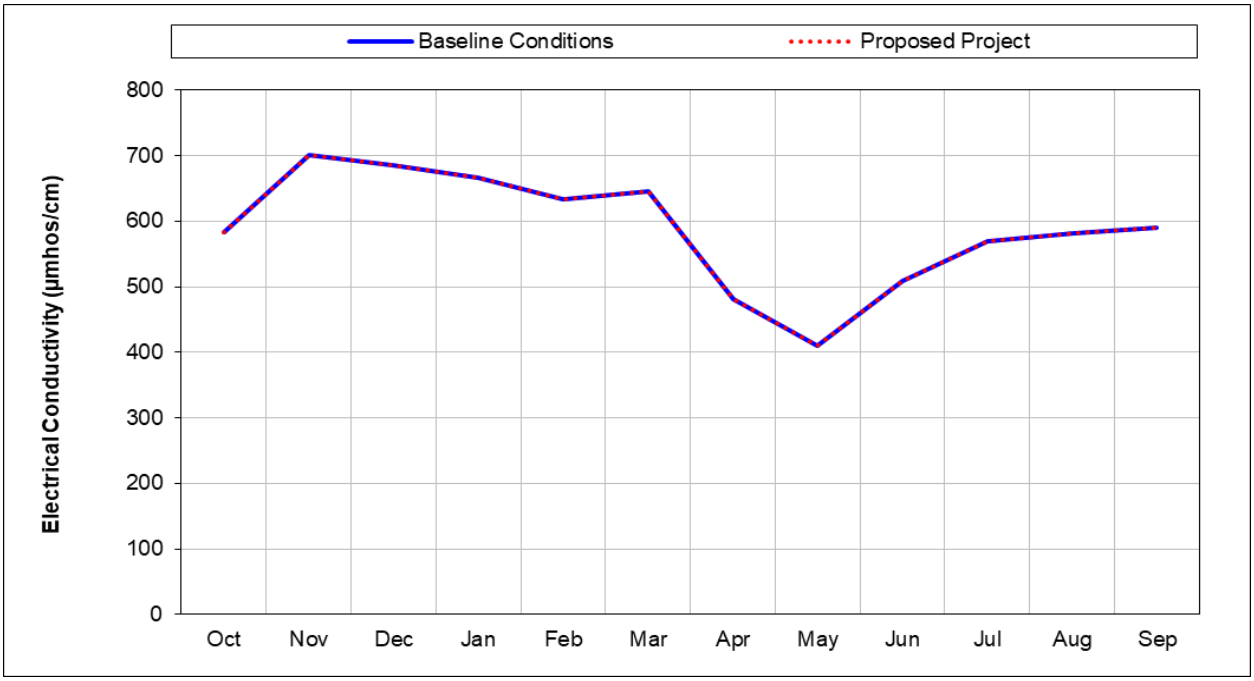

Figure 5B-9d. San Joaquin River at Brandt Bridge, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

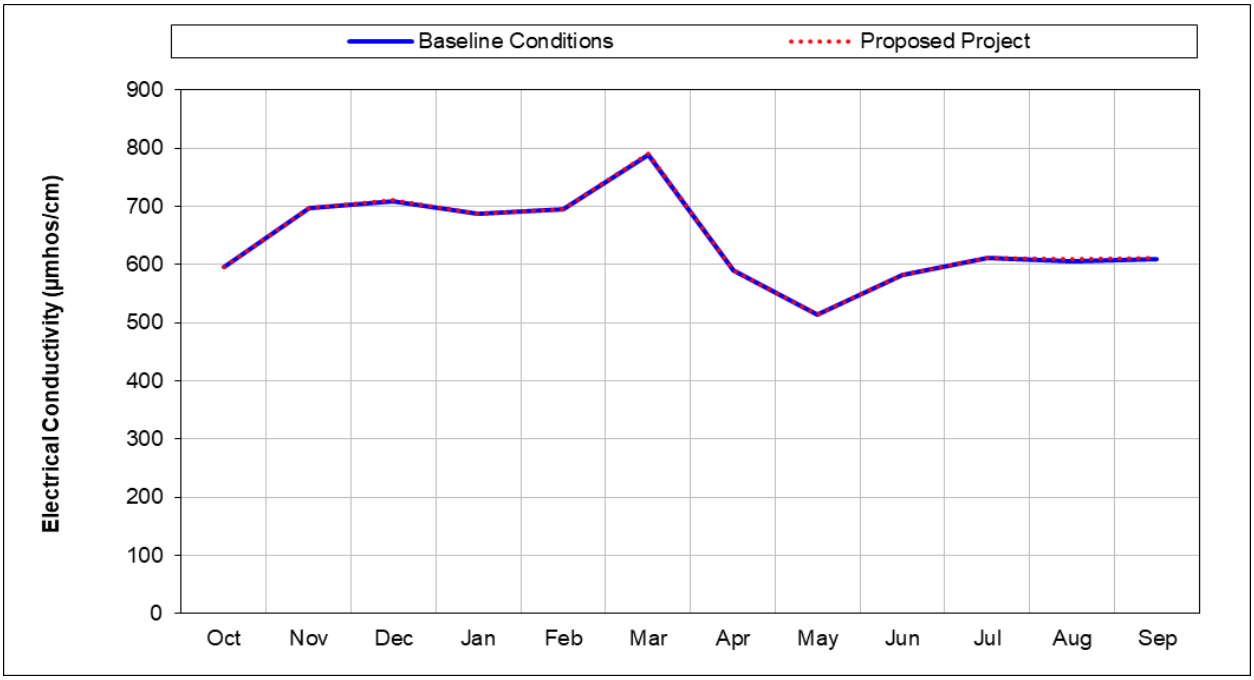

Figure 5B-9e. San Joaquin River at Brandt Bridge, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

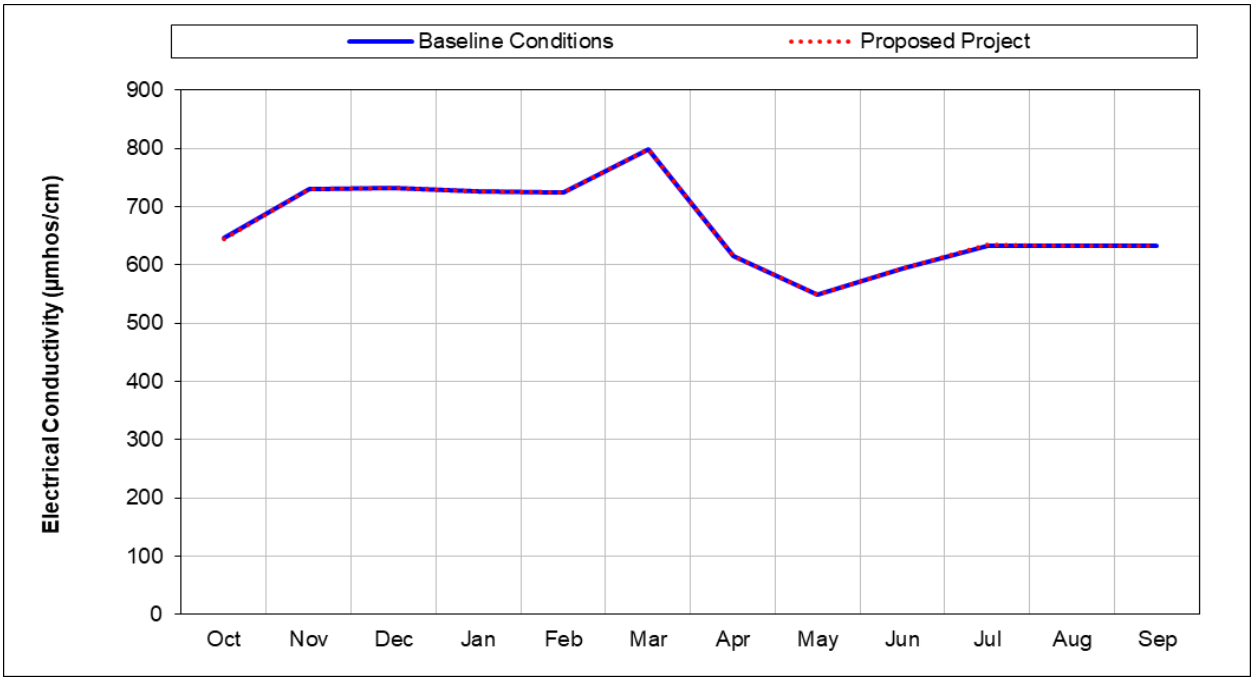

Figure 5B-9f. San Joaquin River at Brandt Bridge, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

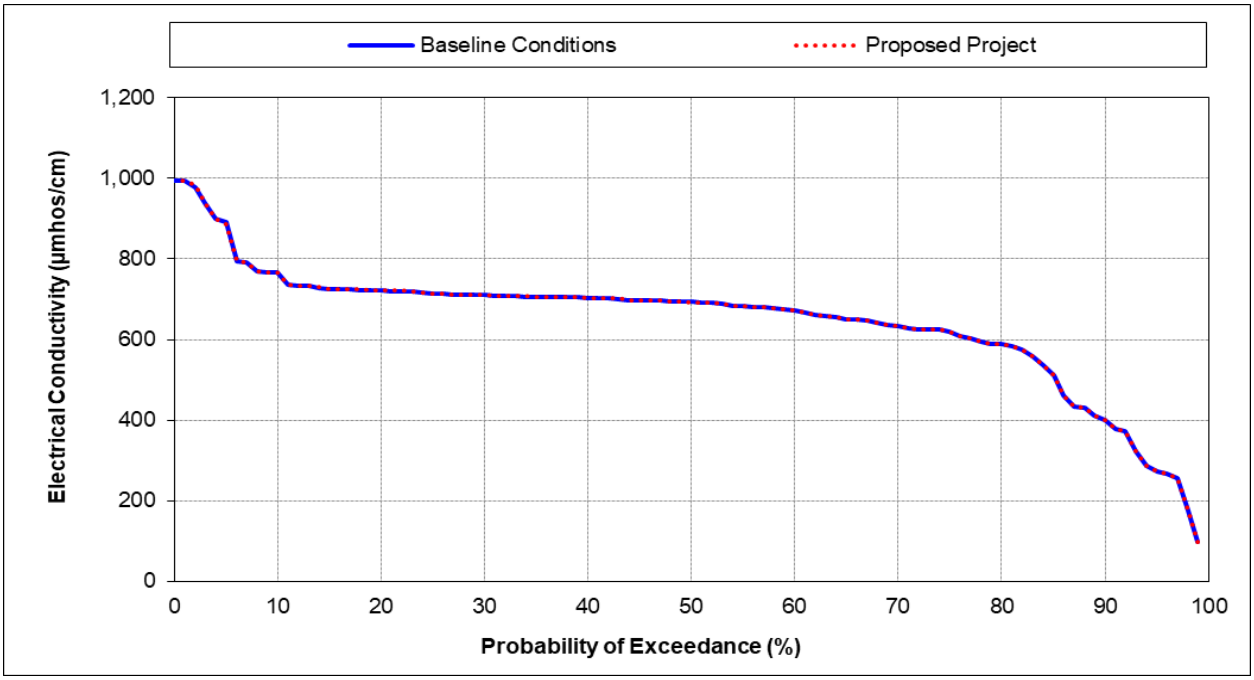

Figure 5B-9g. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), January

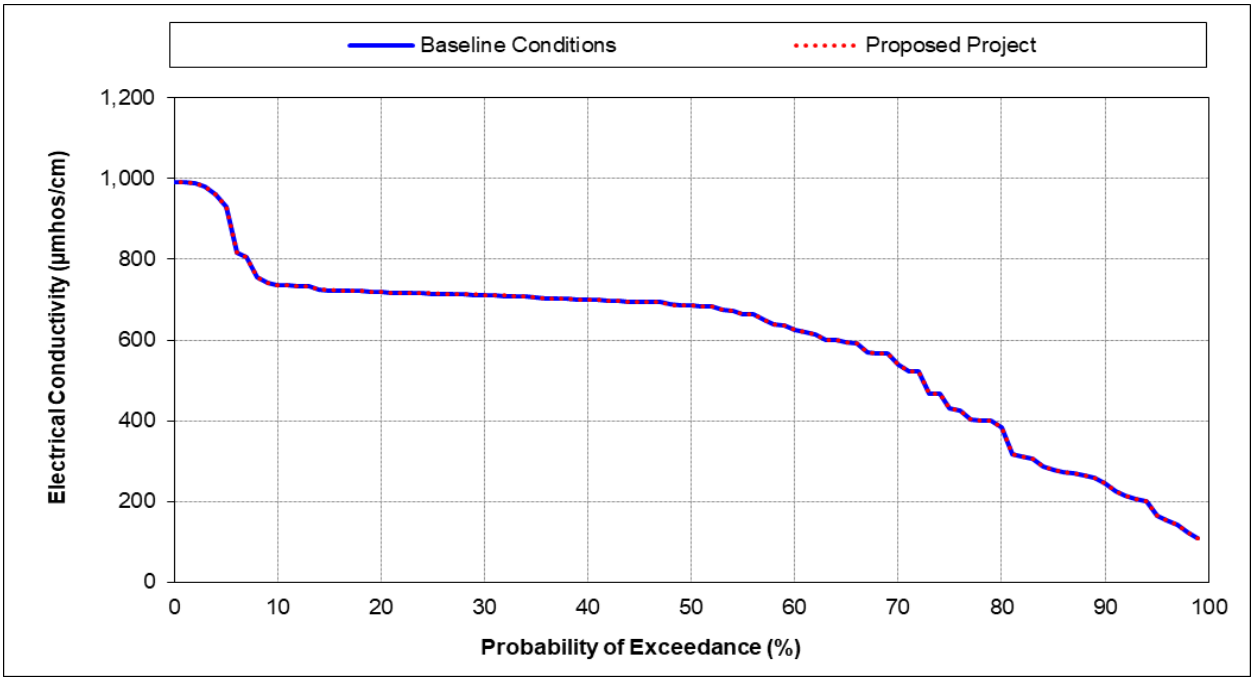

Figure 5B-9h. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), February

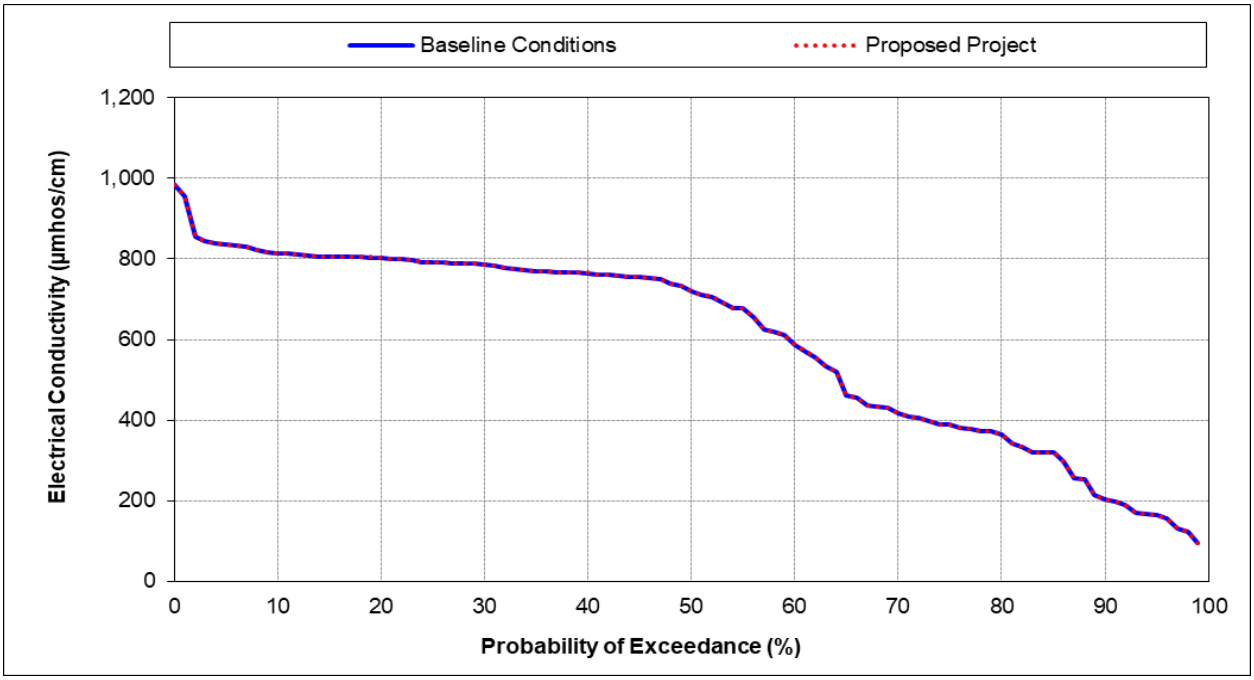

Figure 5B-9i. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), March

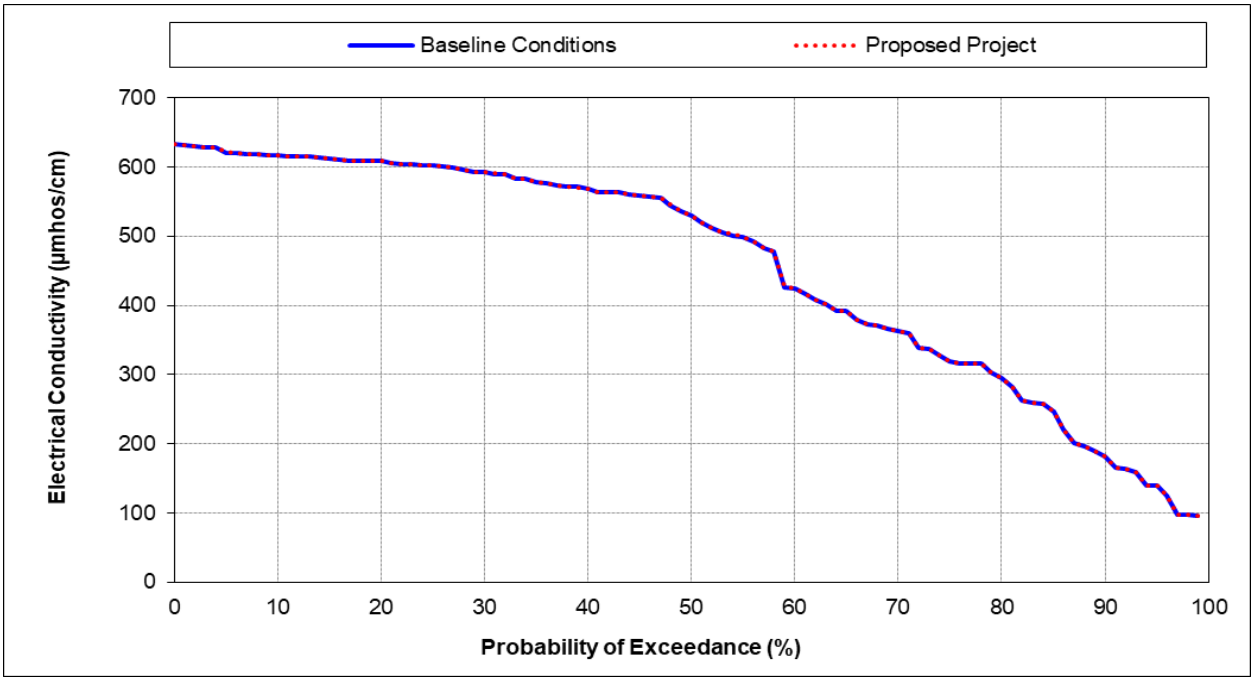

Figure 5B-9j. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), April

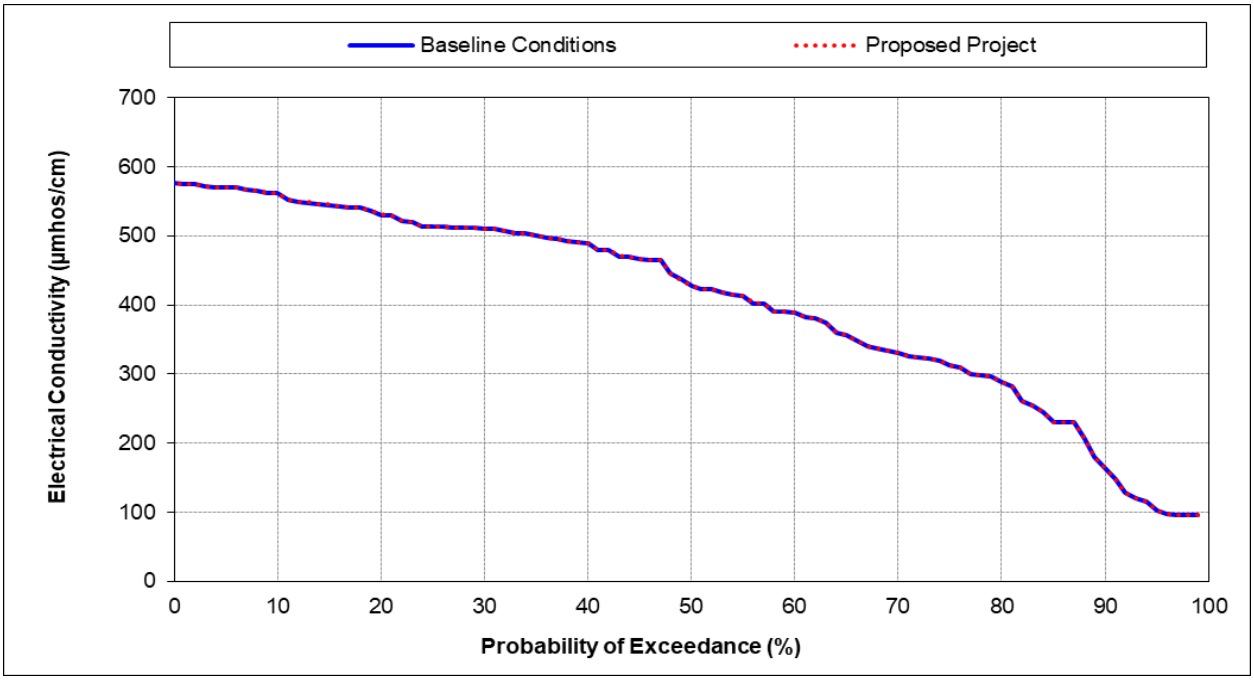

Figure 5B-9k. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), May

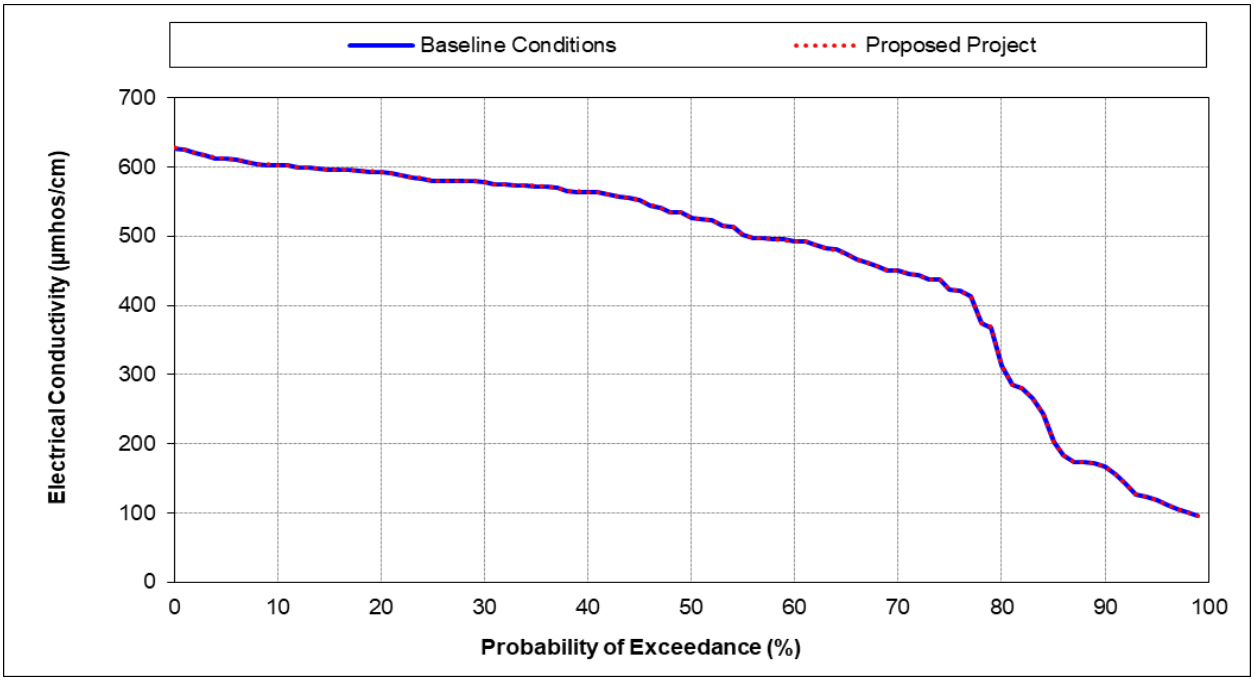

Figure 5B-9l. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), June

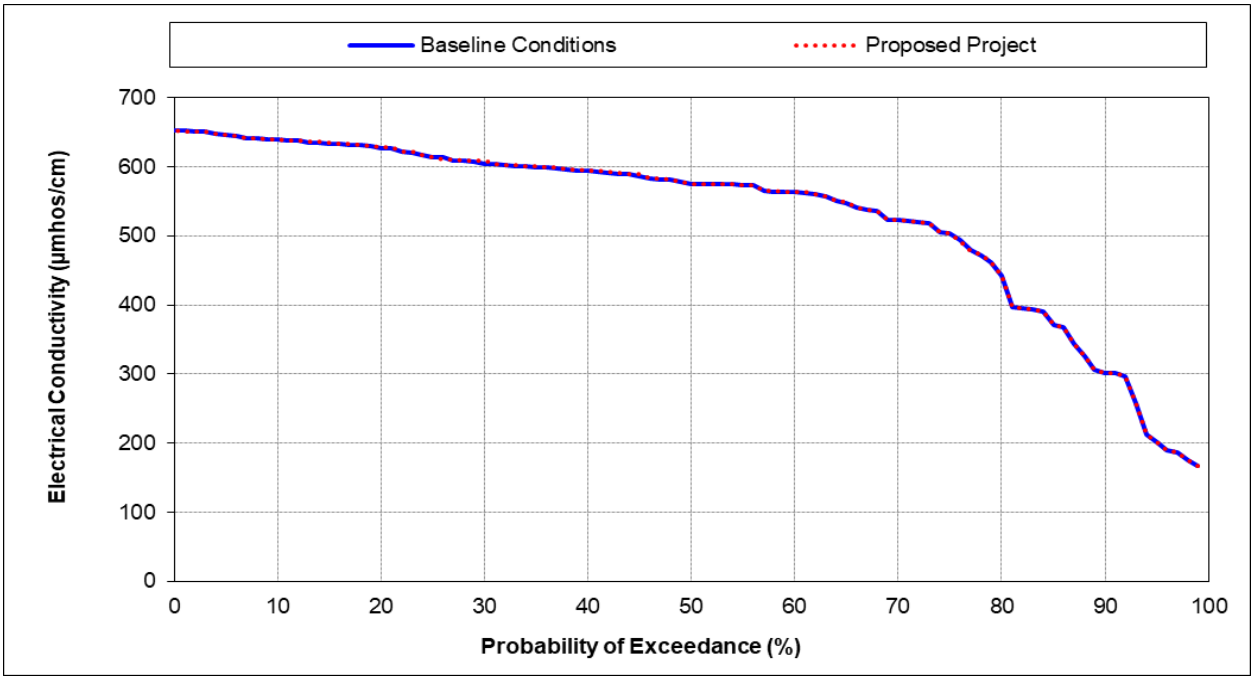

Figure 5B-9m. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), July

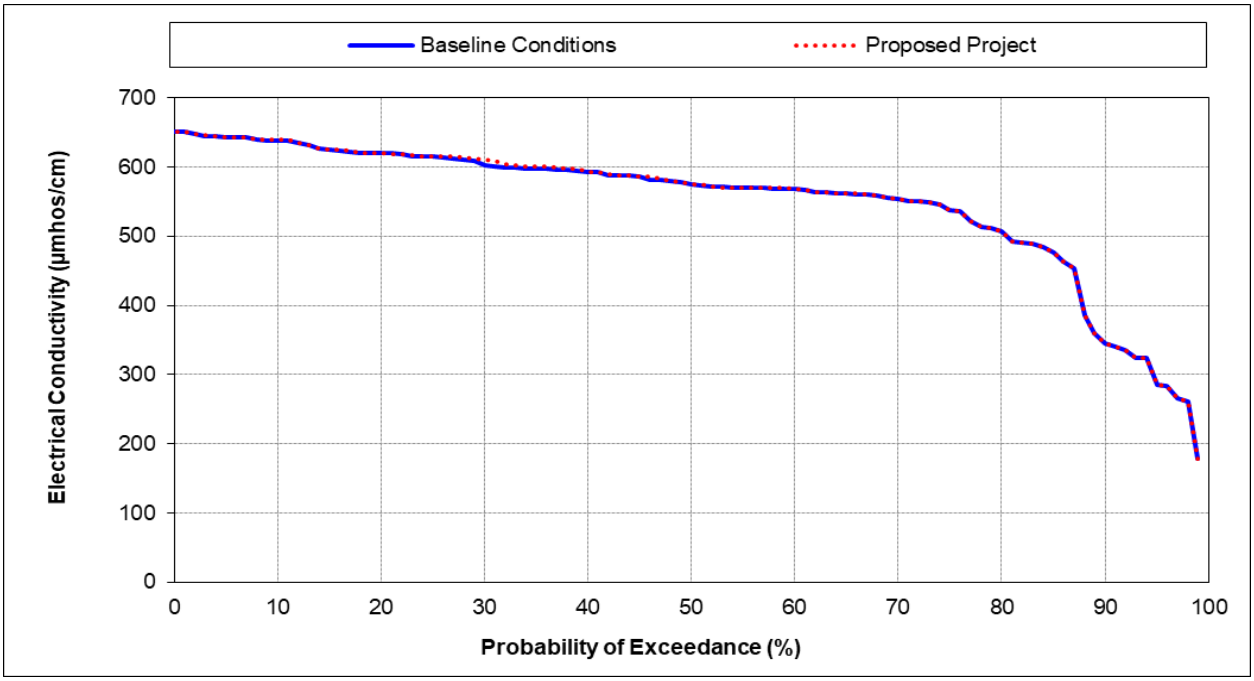

Figure 5B-9n. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), August

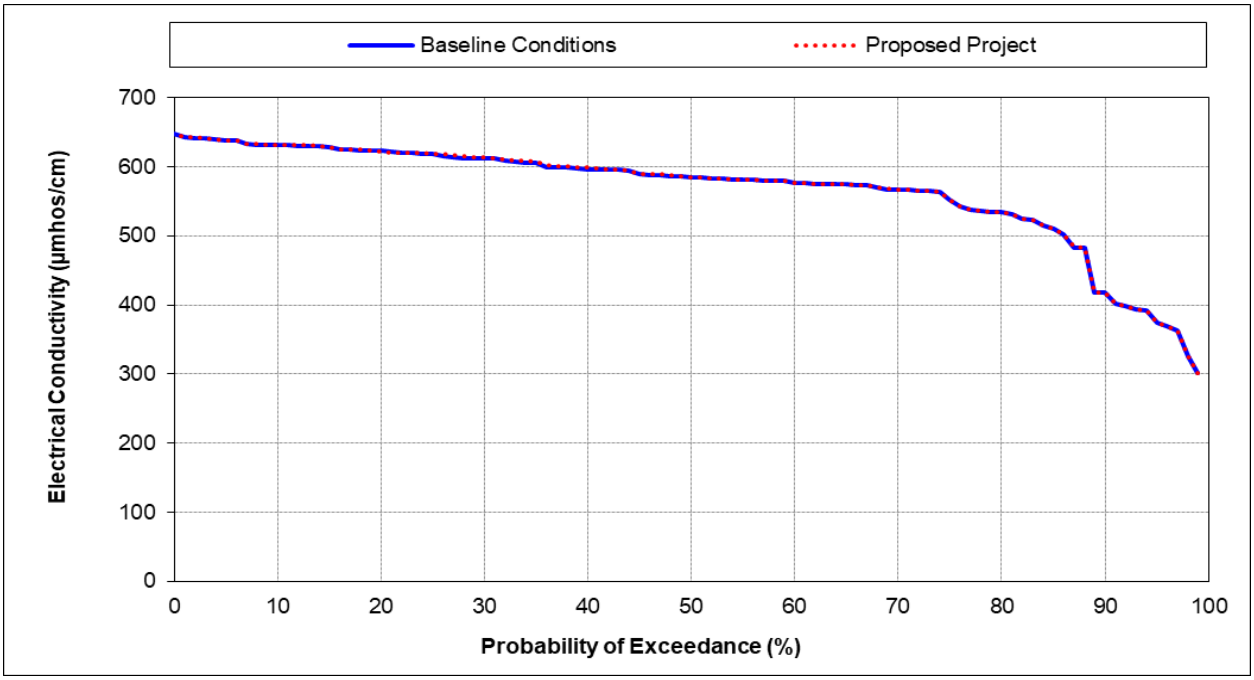

Figure 5B-9o. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), September

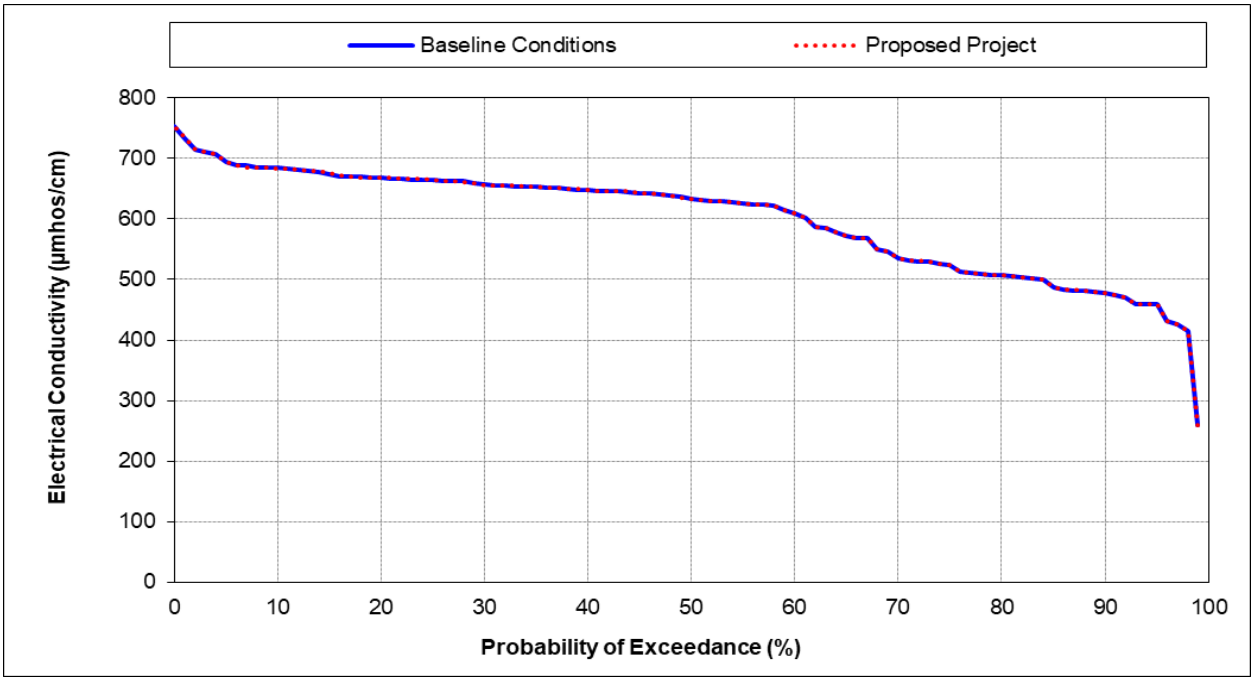

Figure 5B-9p. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), October

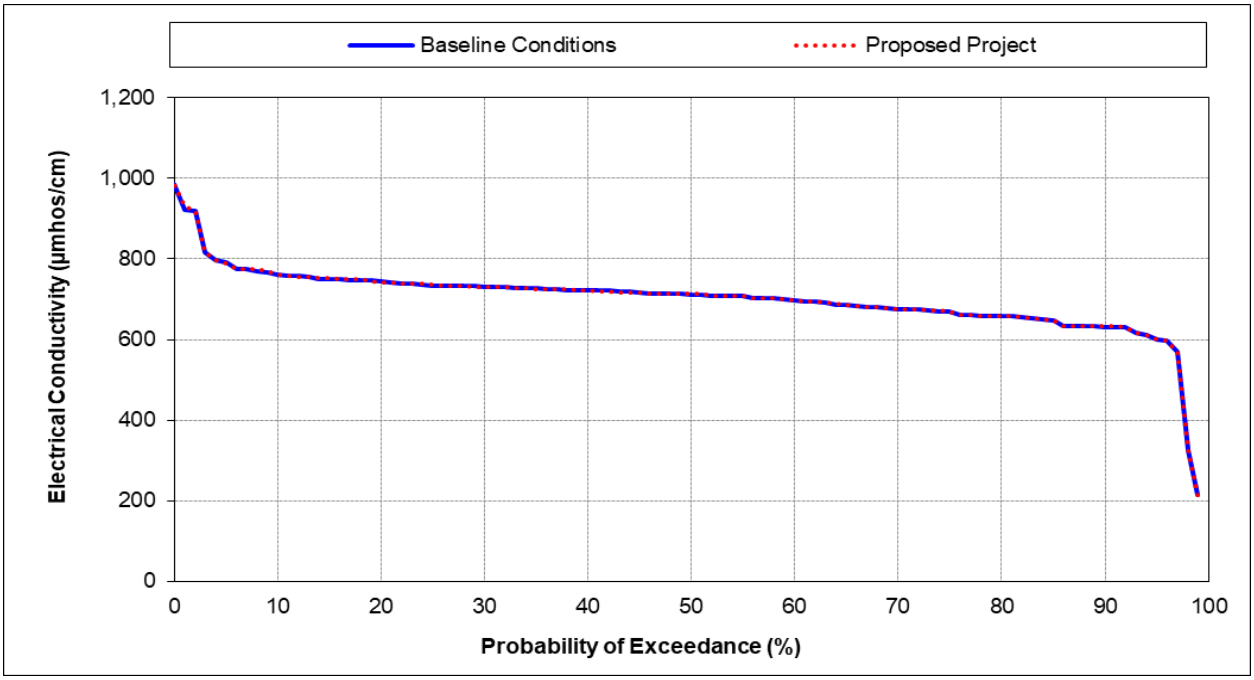

Figure 5B-9q. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), November

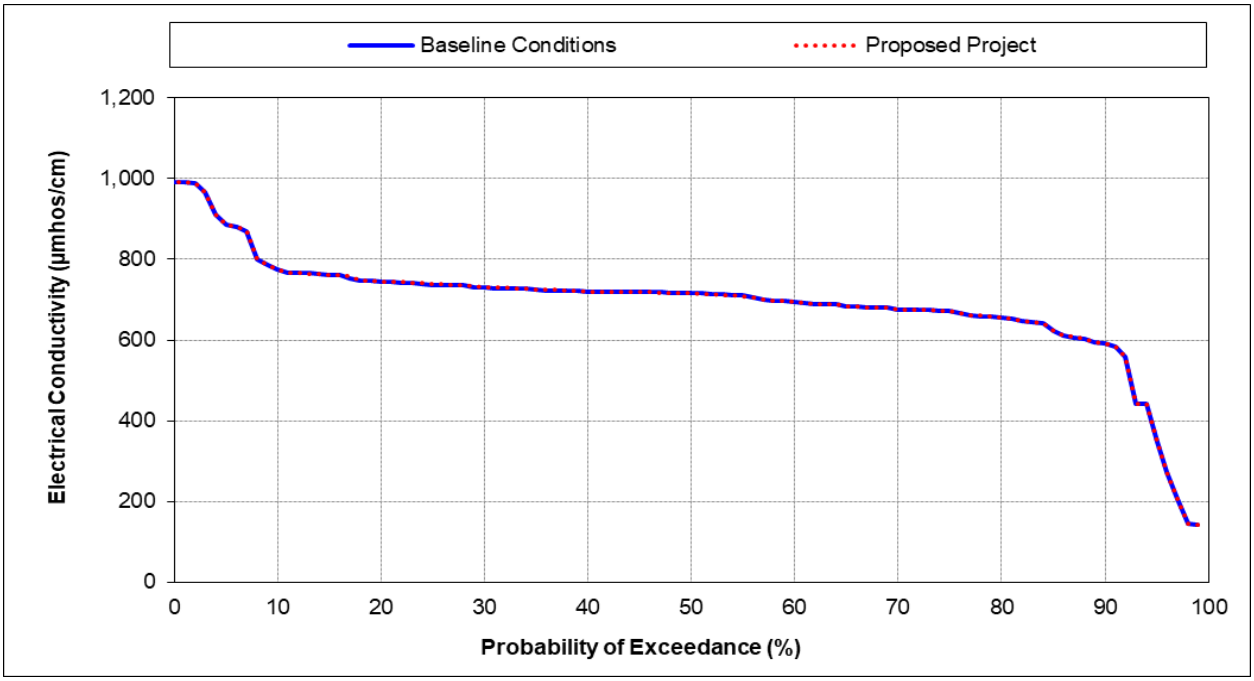

Figure 5B-9r. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), December

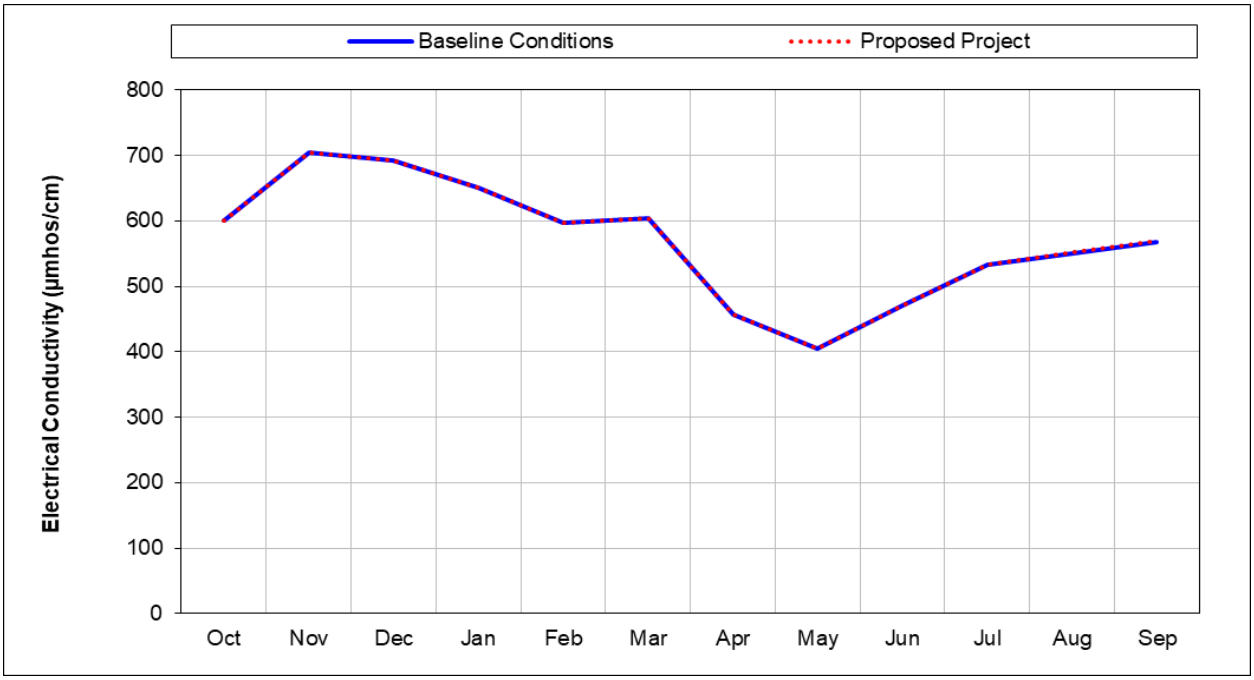

Figure 5B-10a. Old River near Middle River, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)

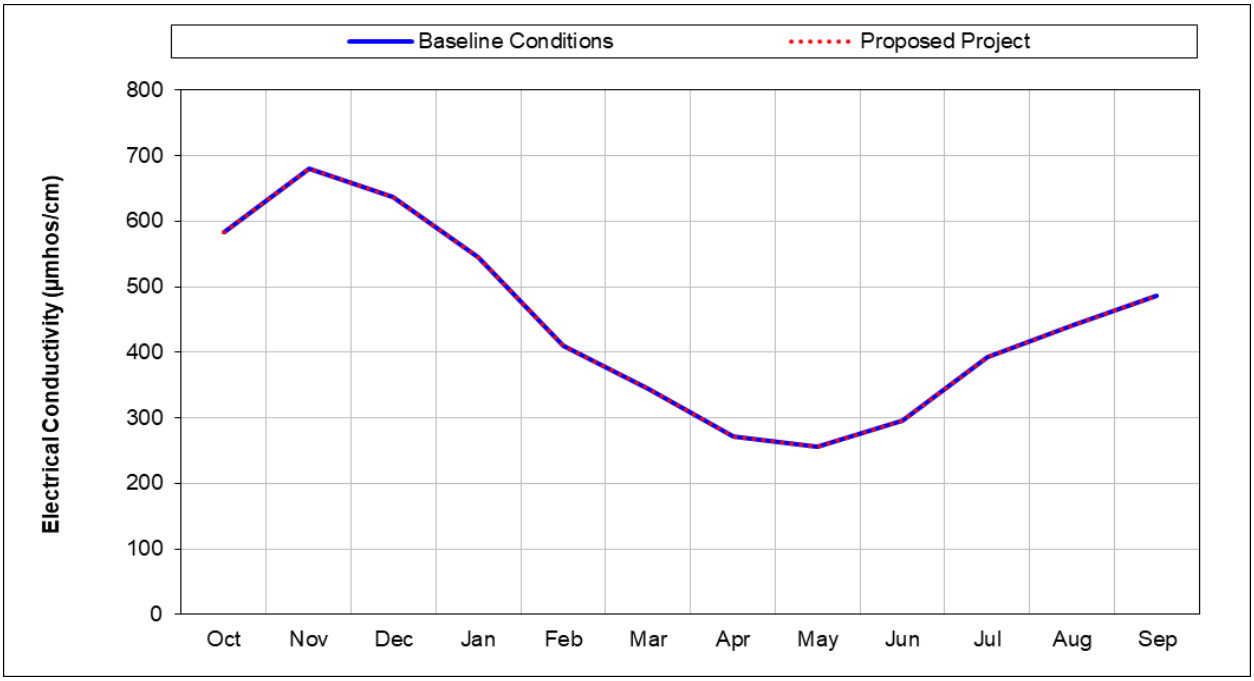

Figure 5B-10b. Old River near Middle River, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

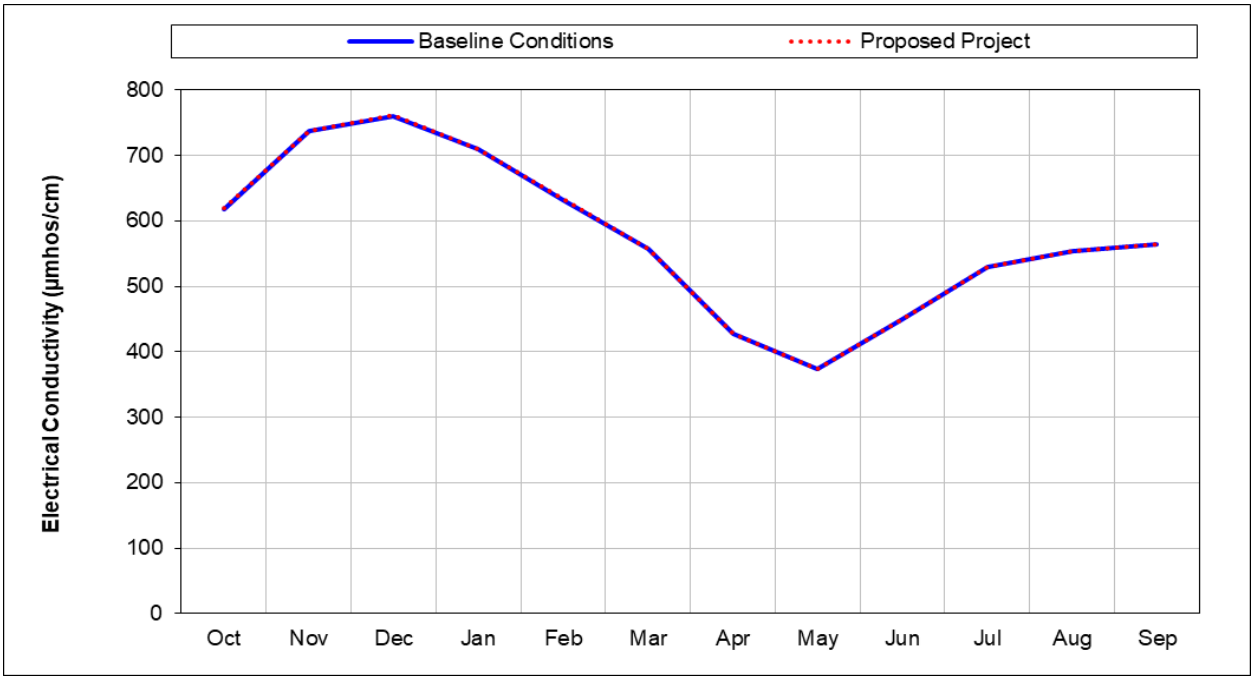

Figure 5B-10c. Old River near Middle River, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

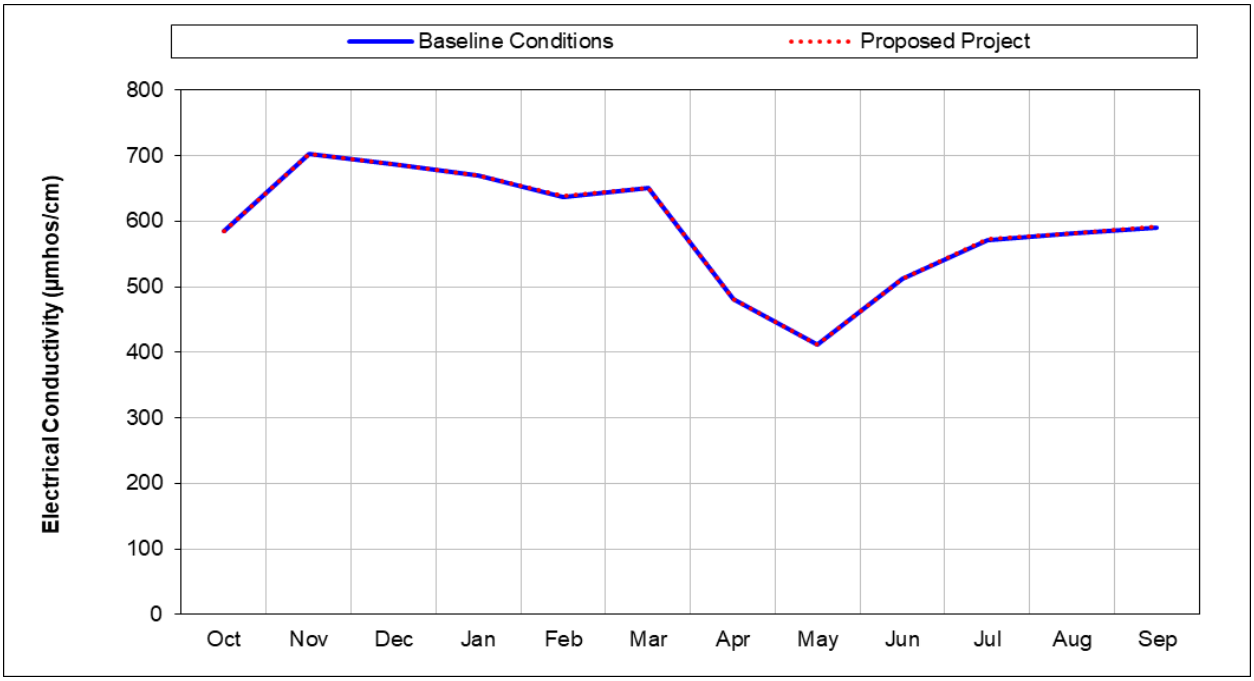

Figure 5B-10d. Old River near Middle River, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

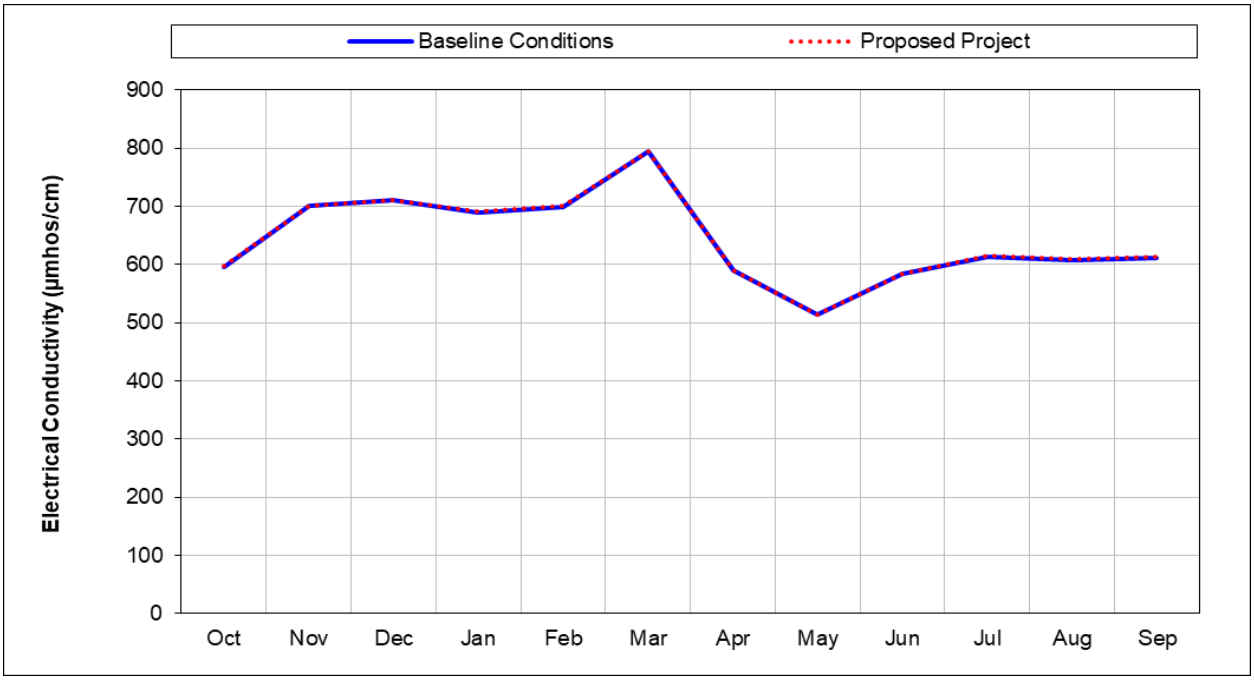

Figure 5B-10e. Old River near Middle River, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

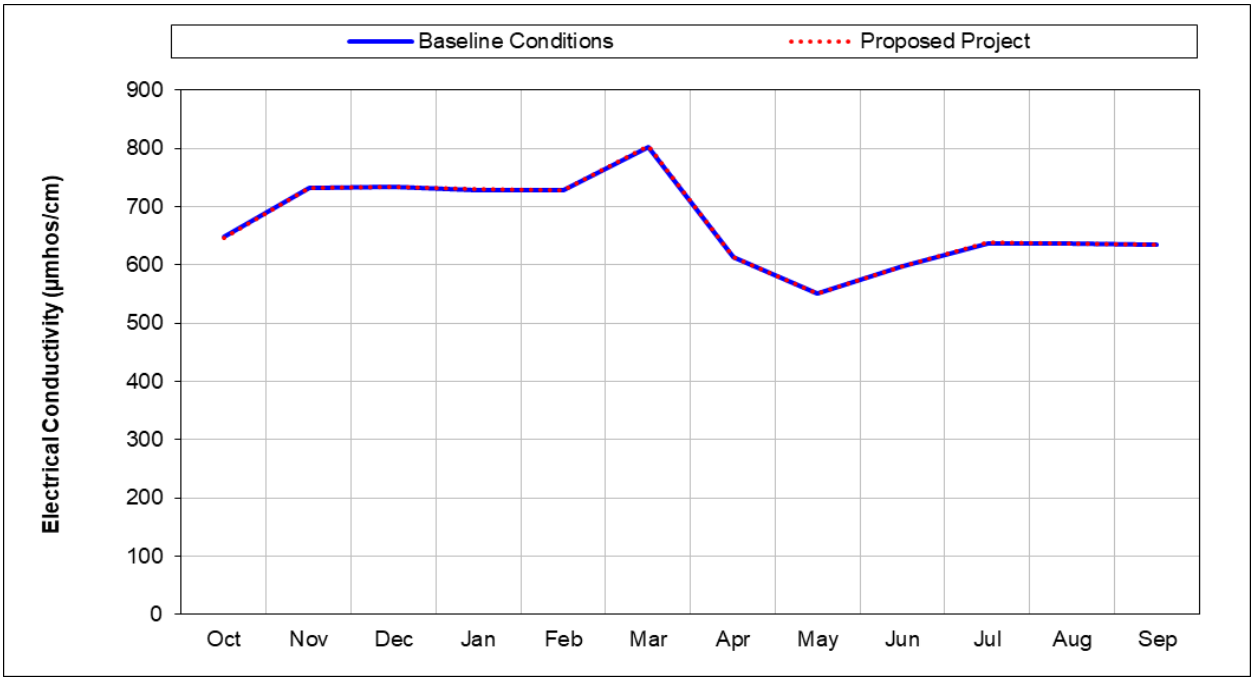

Figure 5B-10f. Old River near Middle River, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

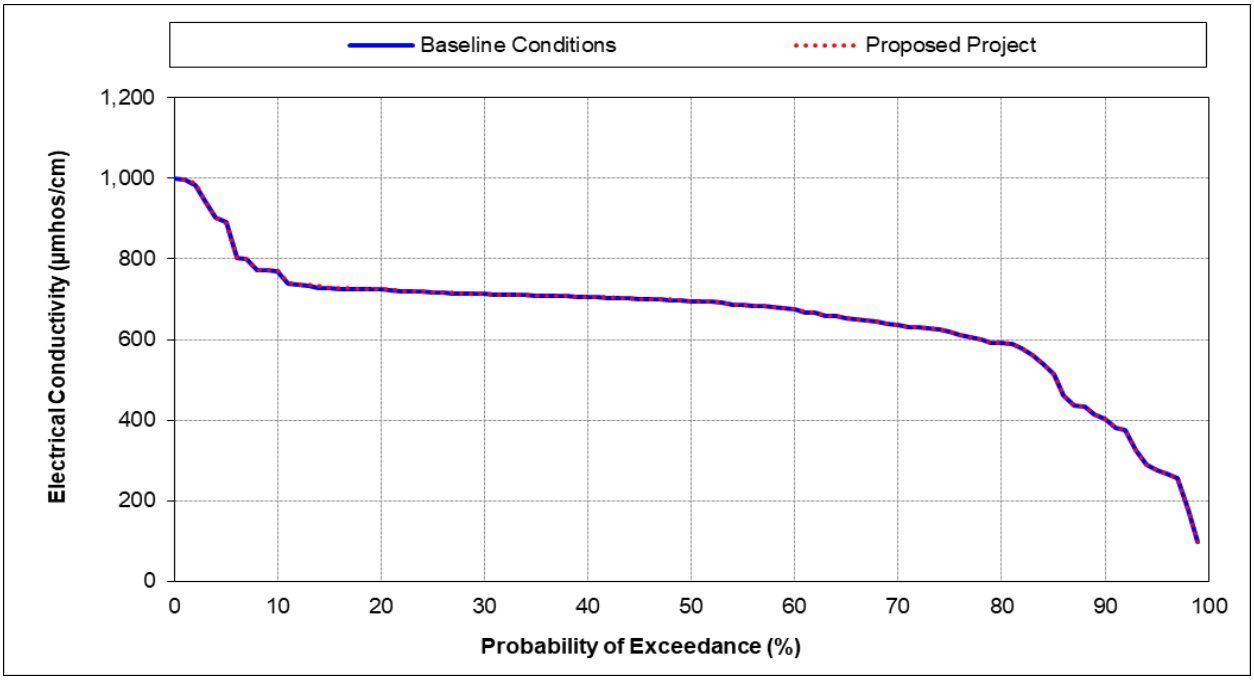

Figure 5B-10g. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), January

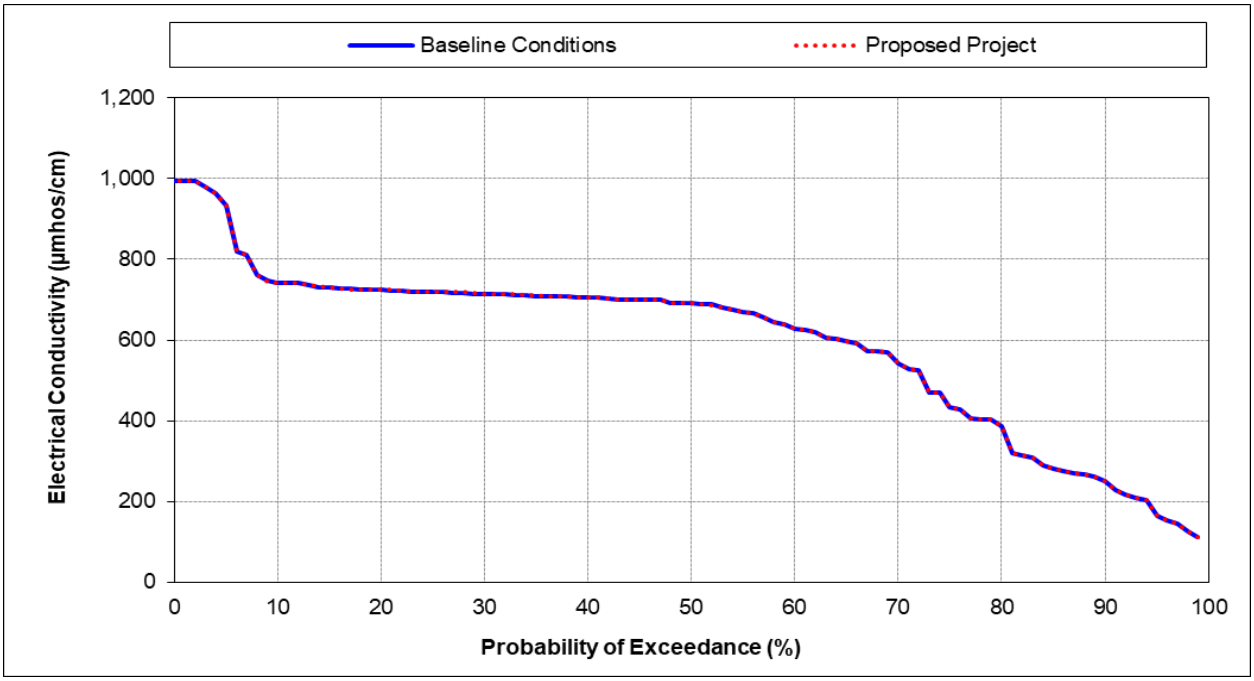

Figure 5B-10h. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), February

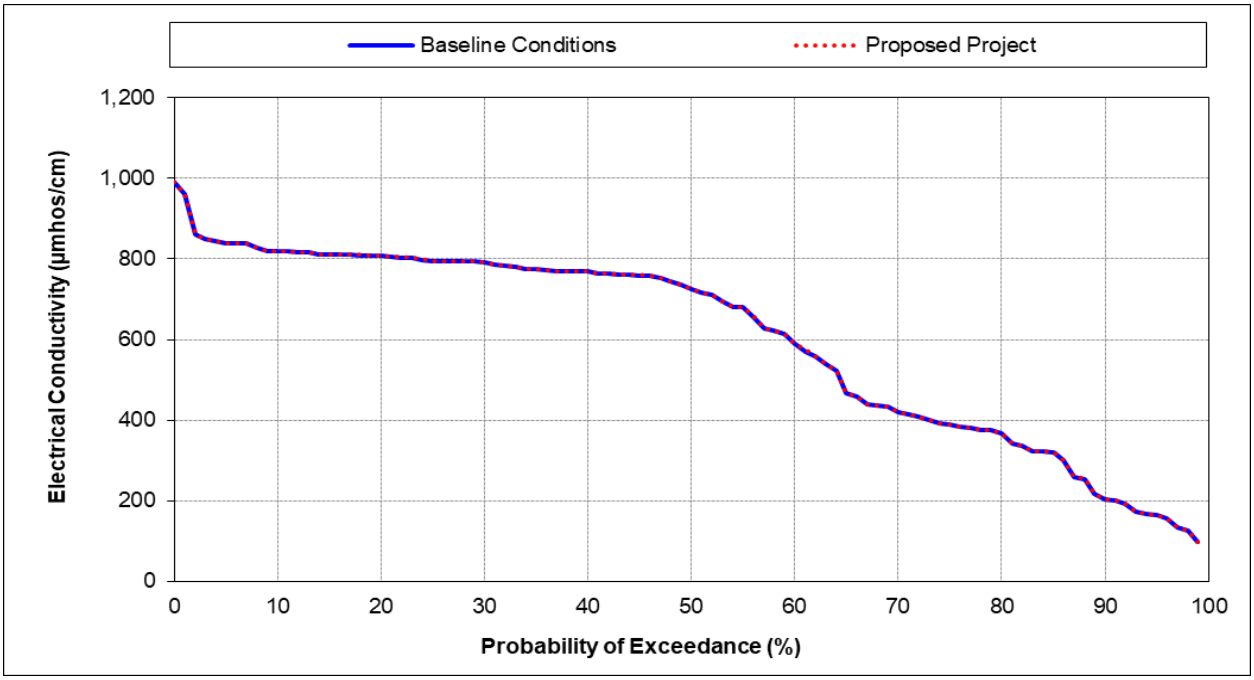

Figure 5B-10i. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), March

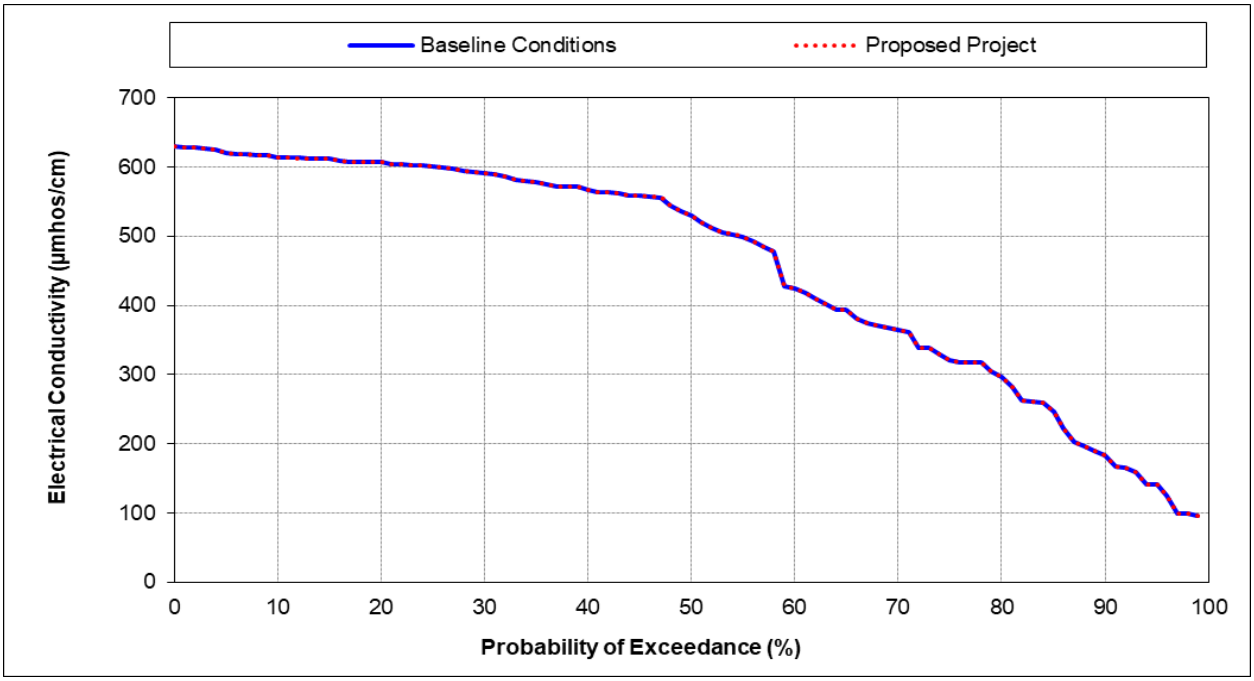

Figure 5B-10j. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), April

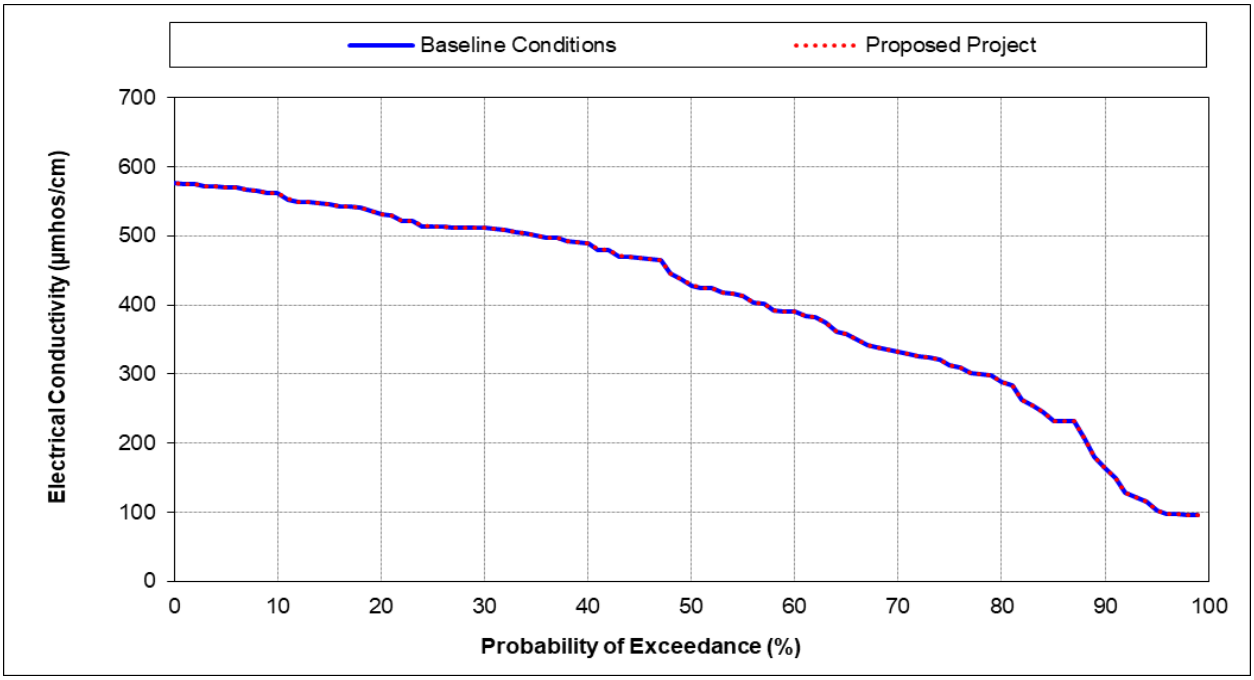

Figure 5B-10k. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), May

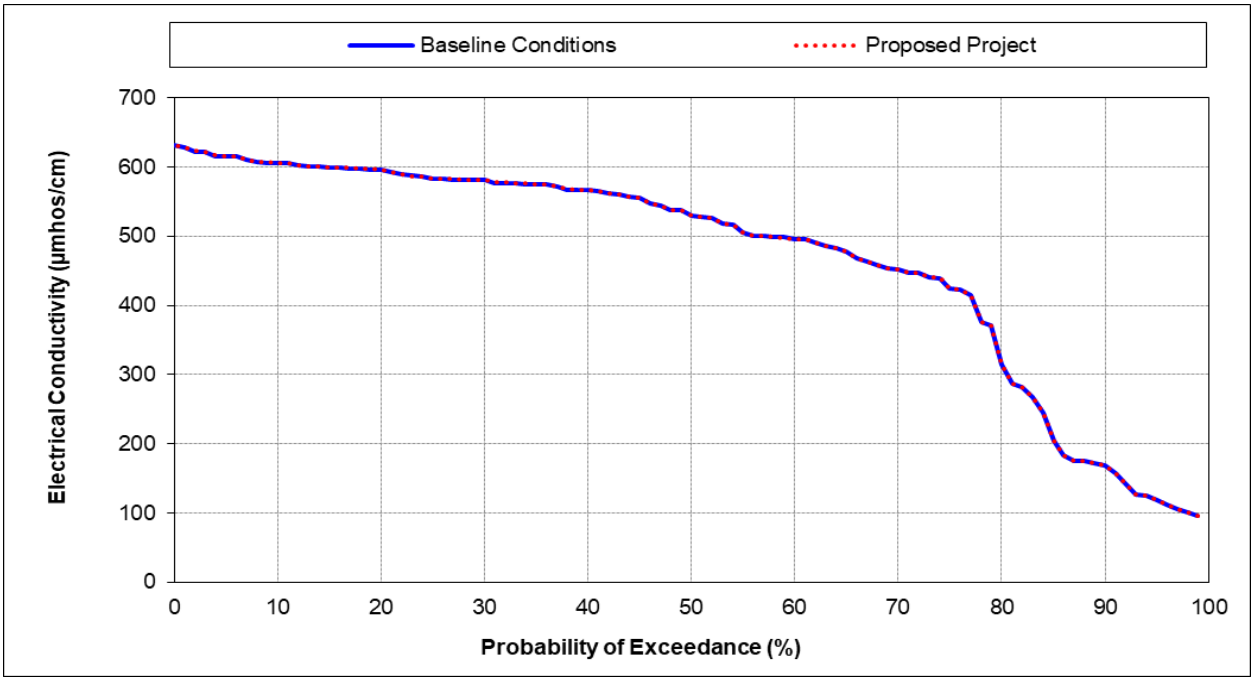

Figure 5B-10l. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), June

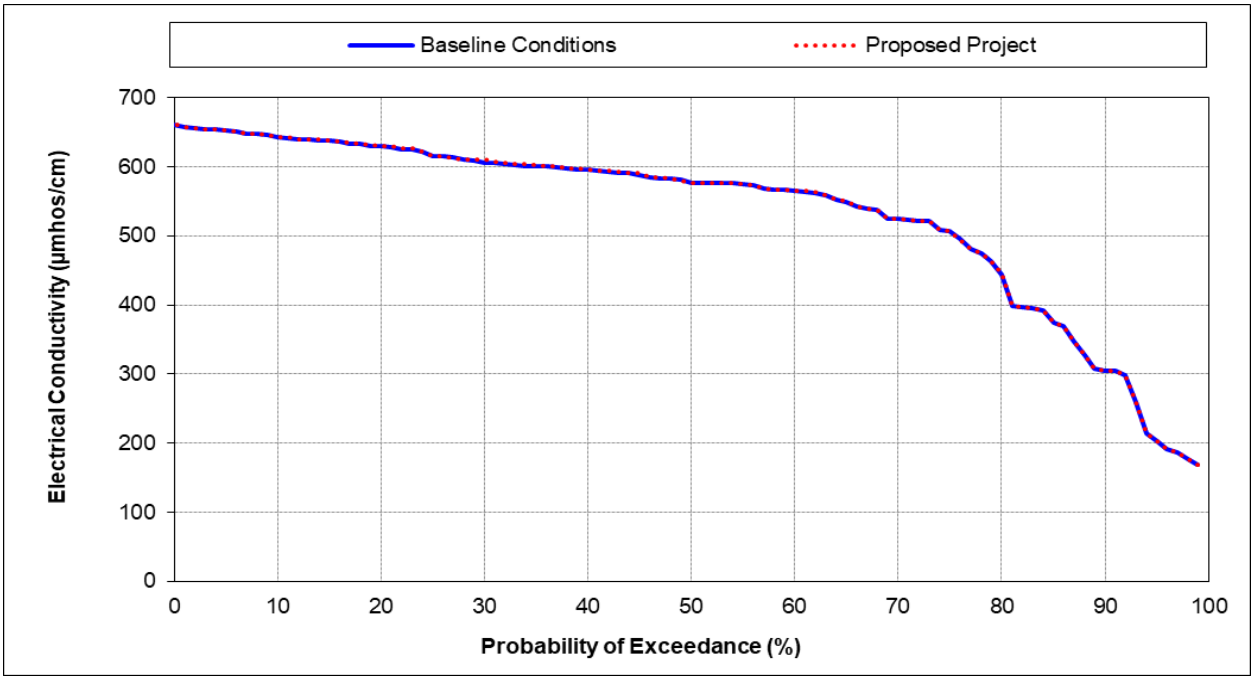

Figure 5B-10m. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), July

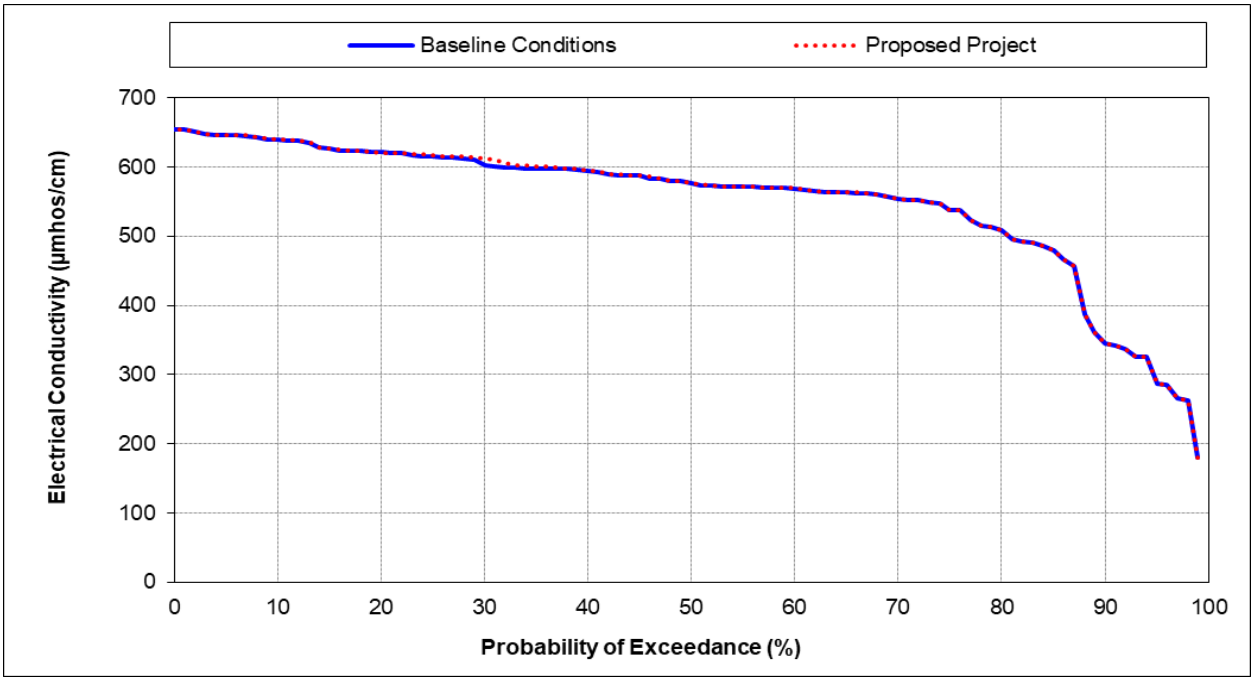

Figure 5B-10n. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), August

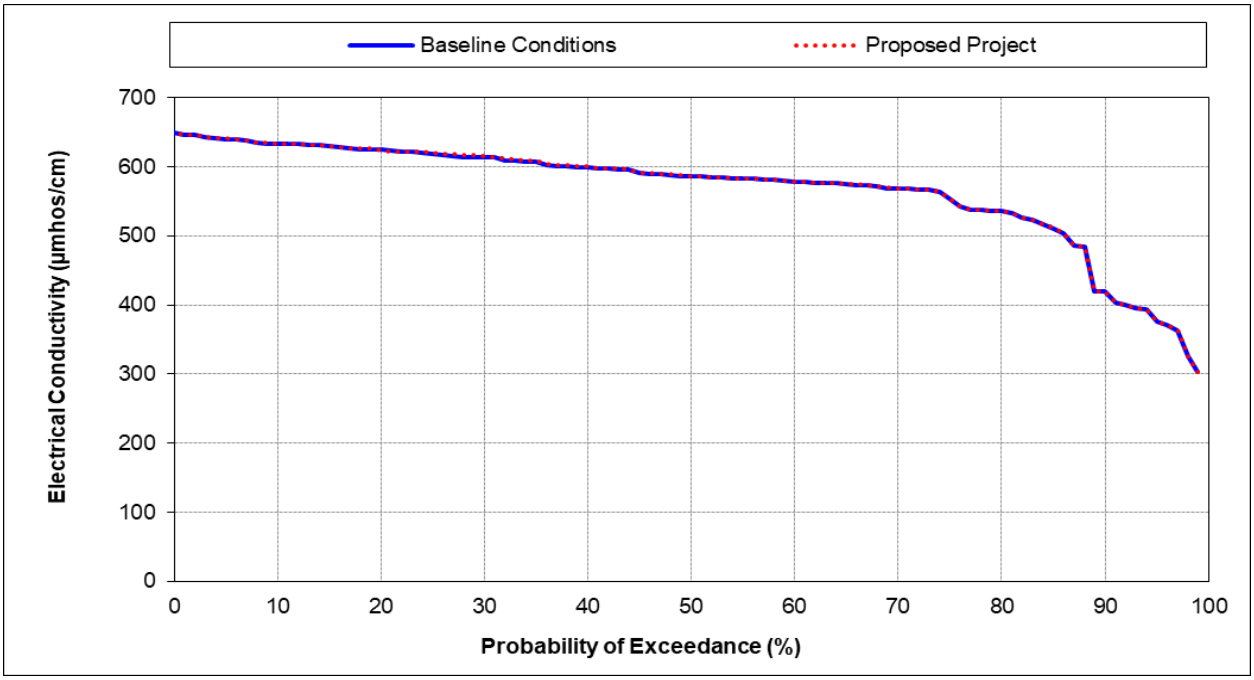

Figure 5B-10o. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), September

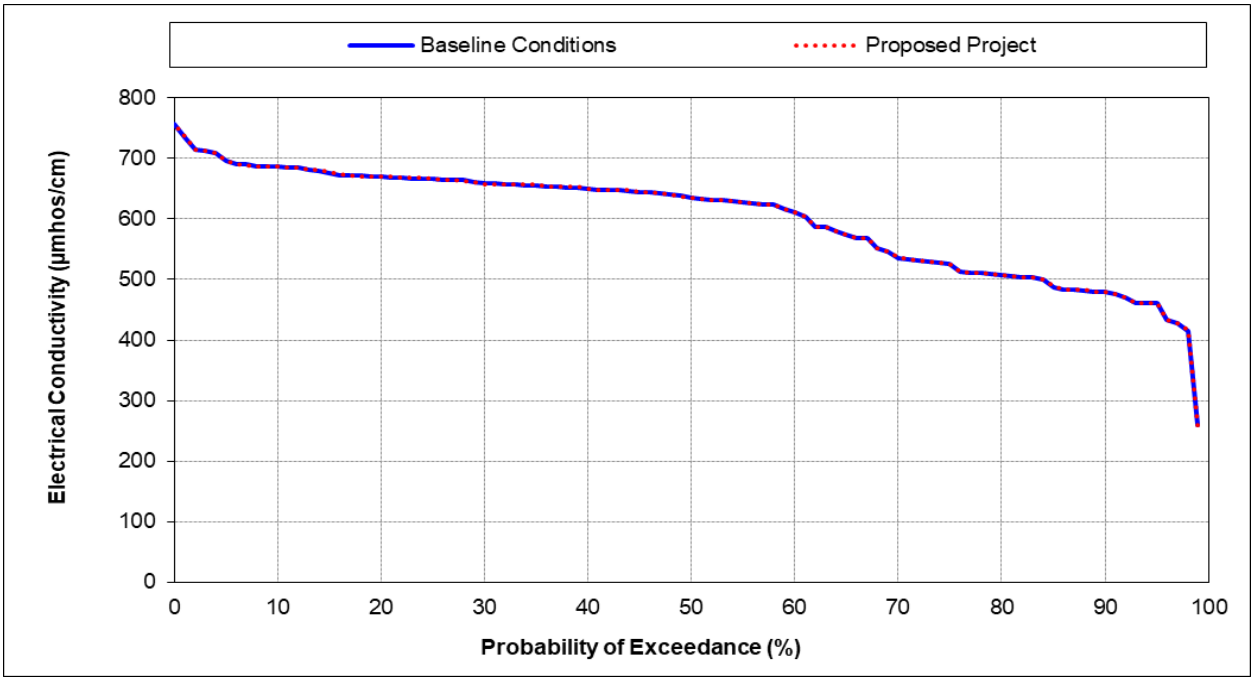

Figure 5B-10p. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), October

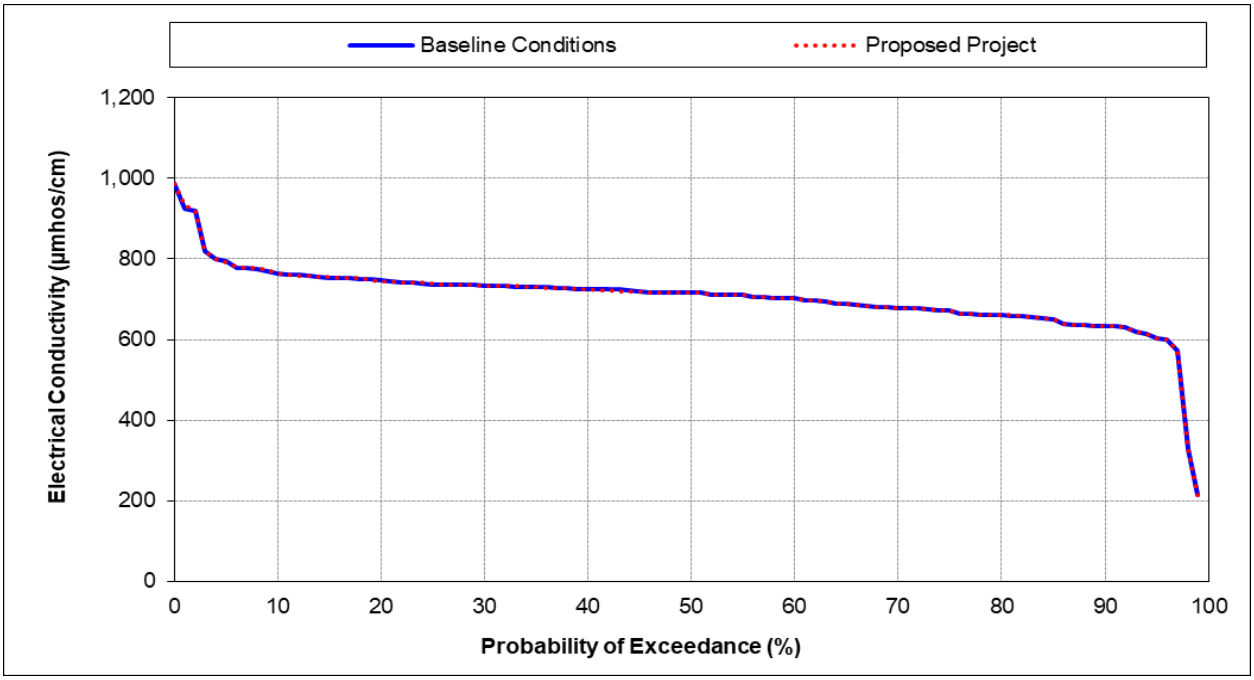

Figure 5B-10q. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), November

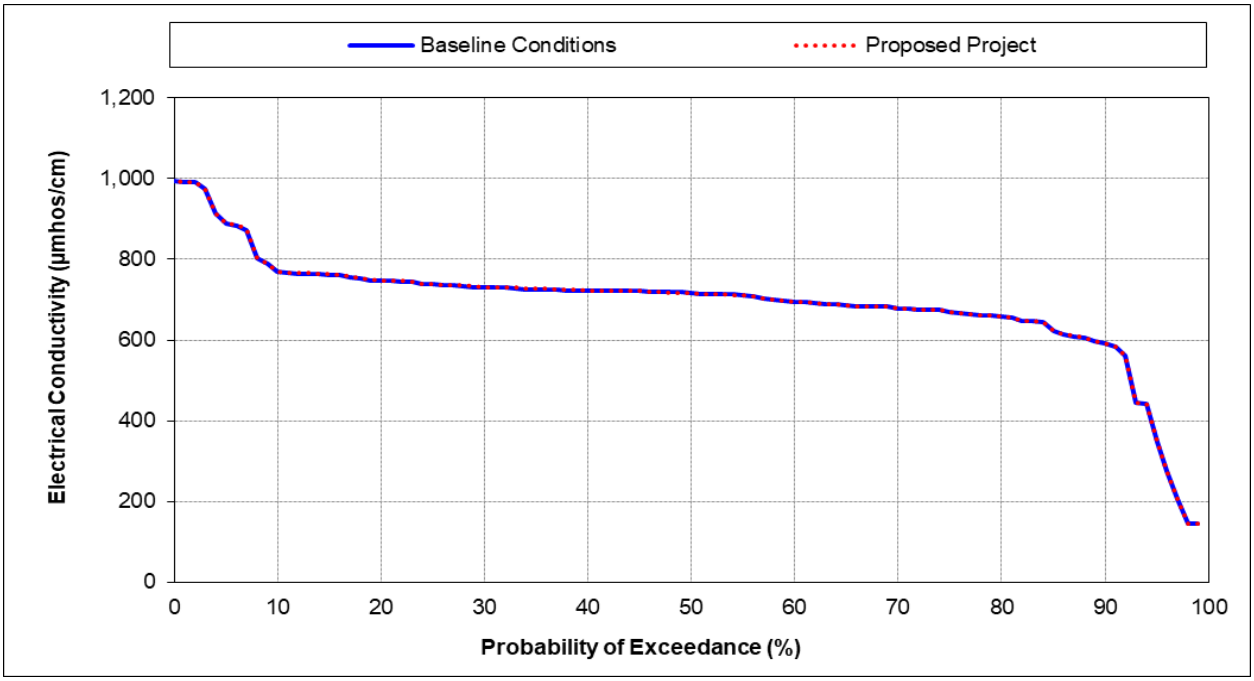

Figure 5B-10r. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), December

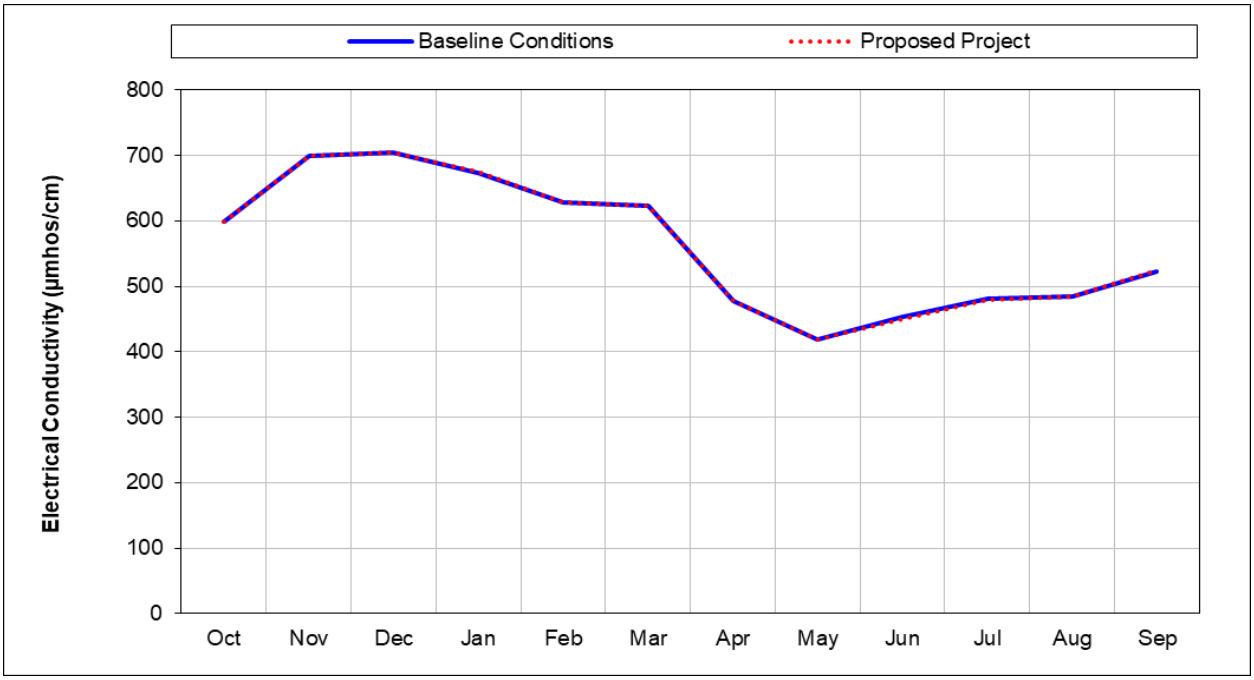

Figure 5B-11a. Old River at Tracy Bridge, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)

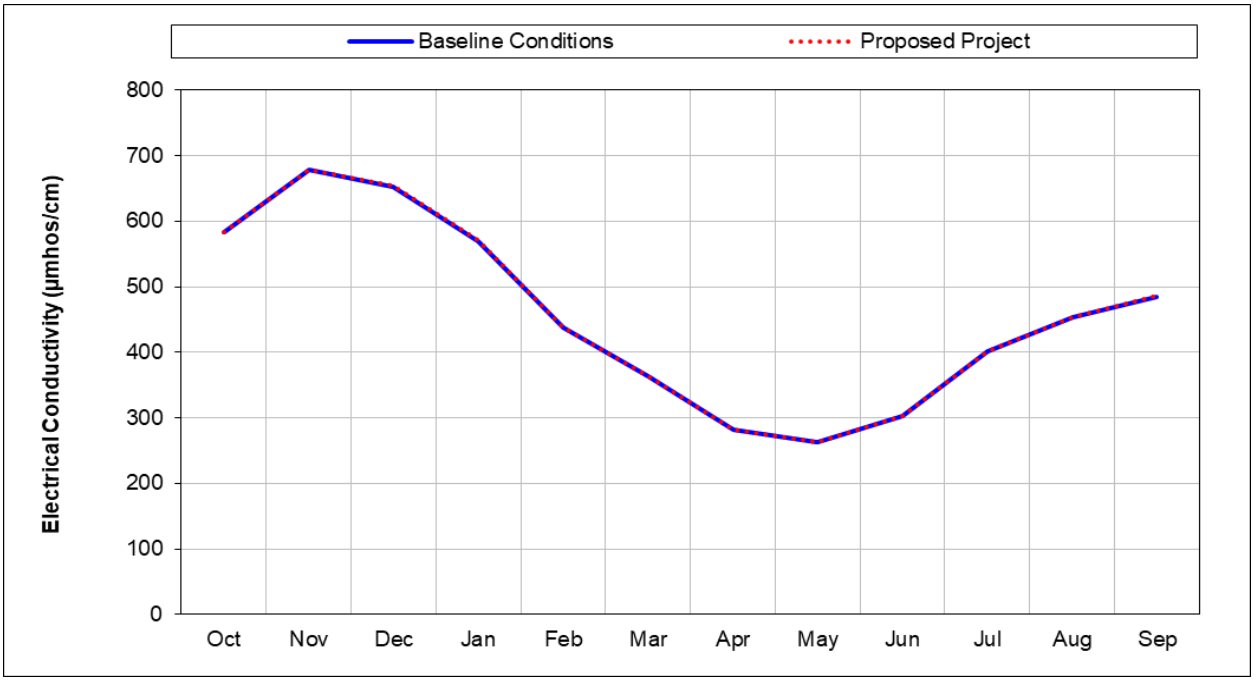

Figure 5B-11b. Old River at Tracy Bridge, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

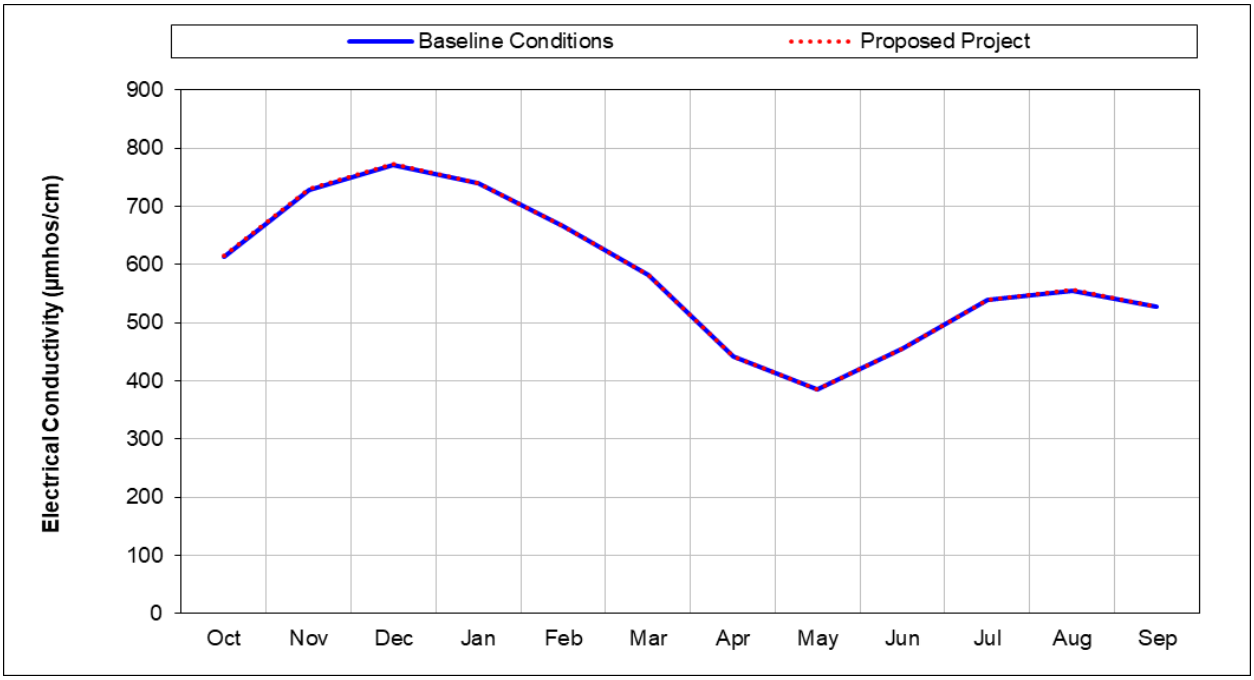

Figure 5B-11c. Old River at Tracy Bridge, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

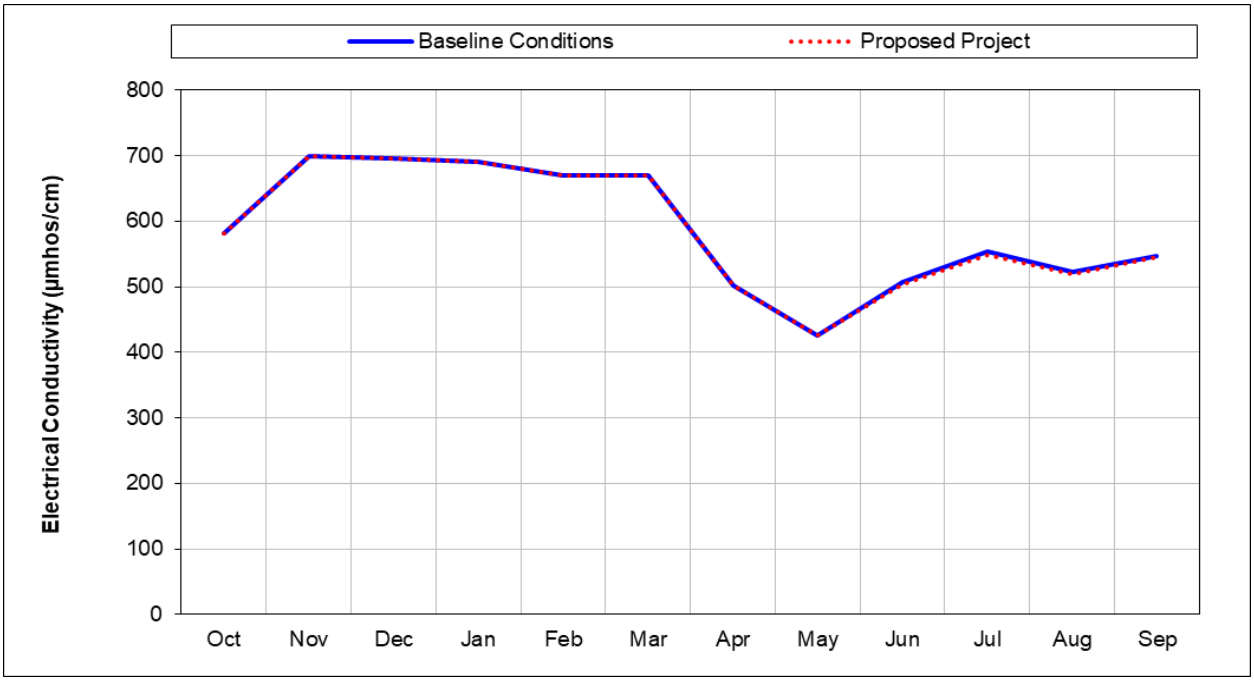

Figure 5B-11d. Old River at Tracy Bridge, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

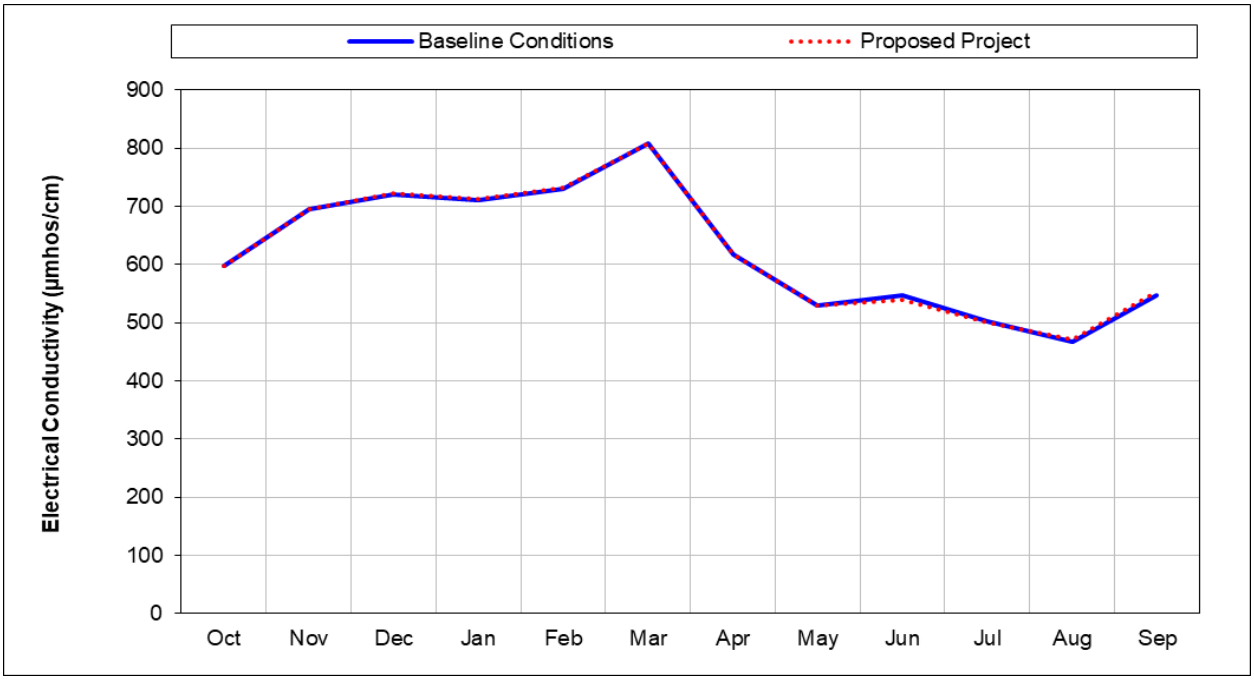

Figure 5B-11e. Old River at Tracy Bridge, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

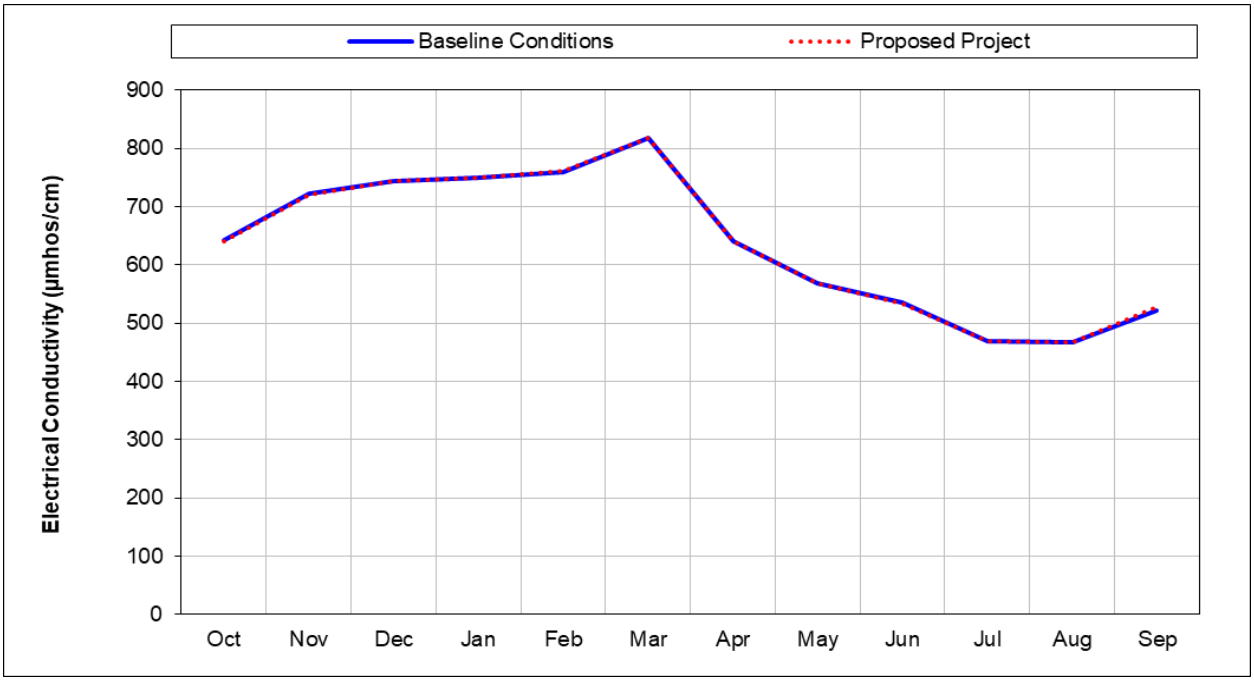

Figure 5B-11f. Old River at Tracy Bridge, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

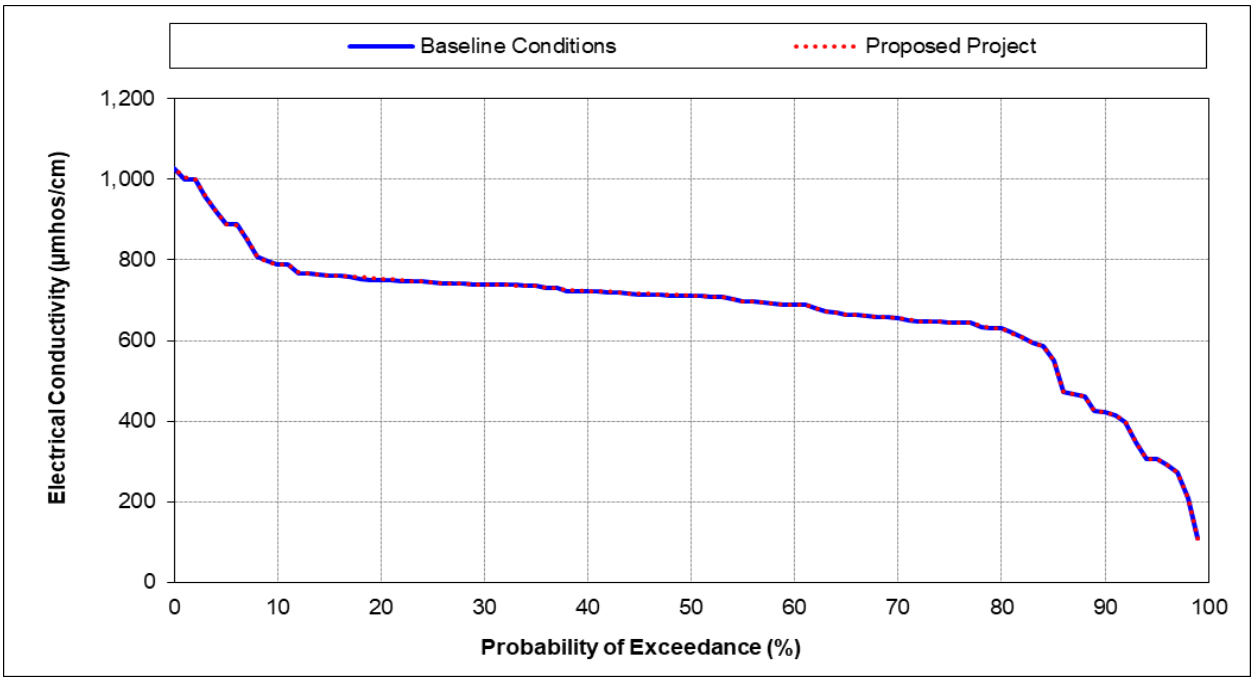

Figure 5B-11g. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), January

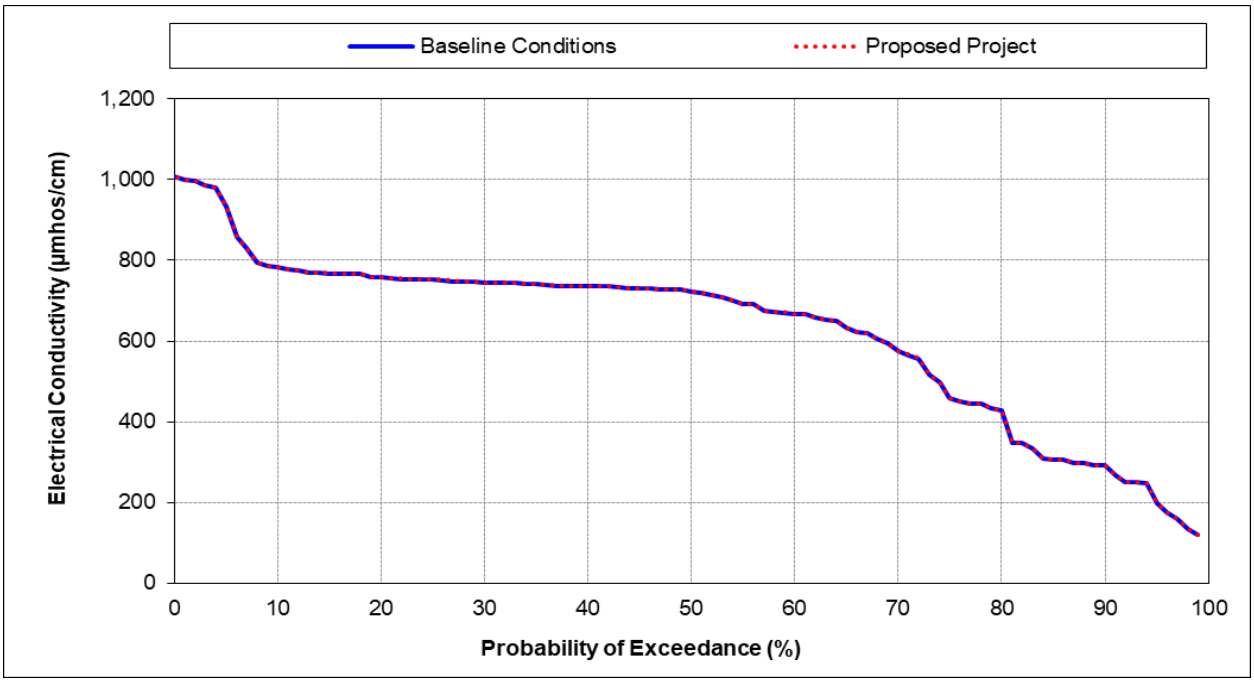

Figure 5B-11h. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), February

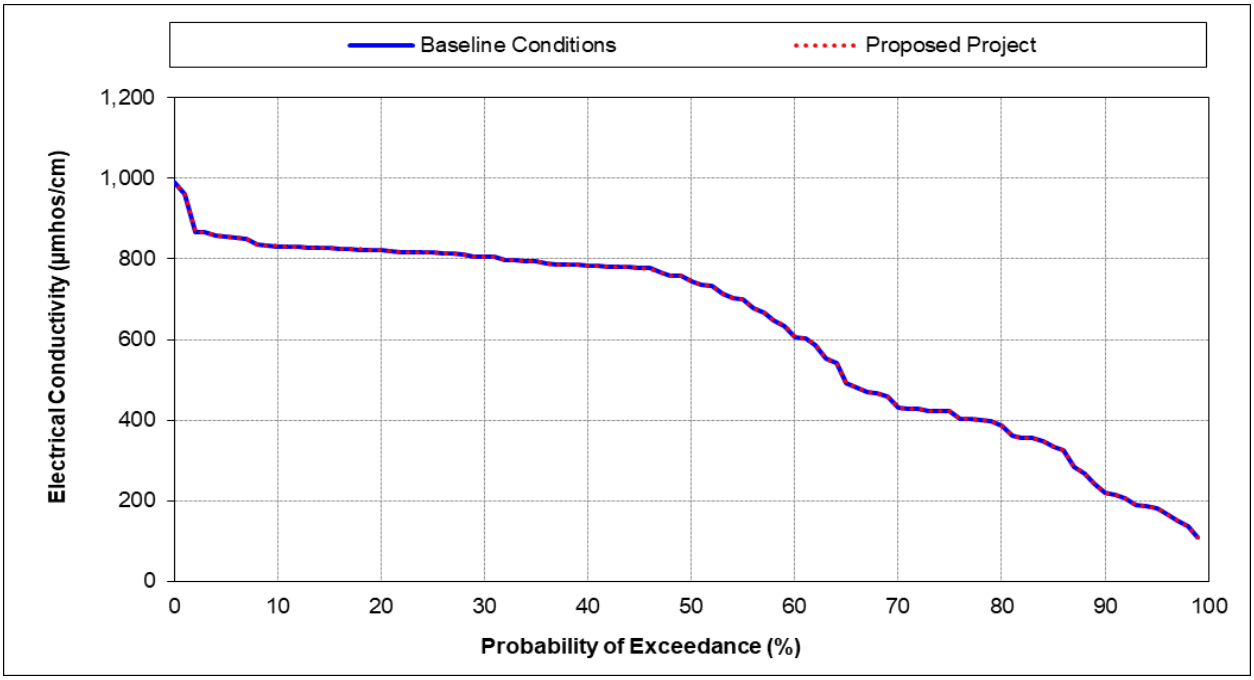

Figure 5B-11i. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), March

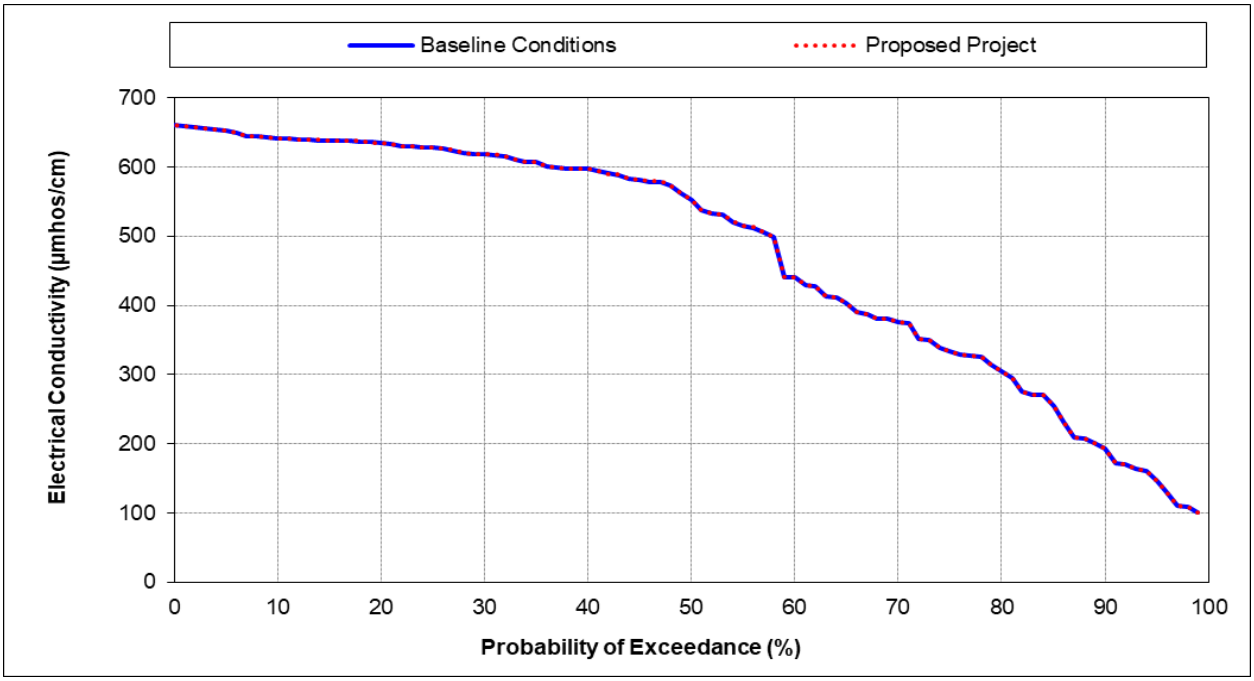

Figure 5B-11j. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), April

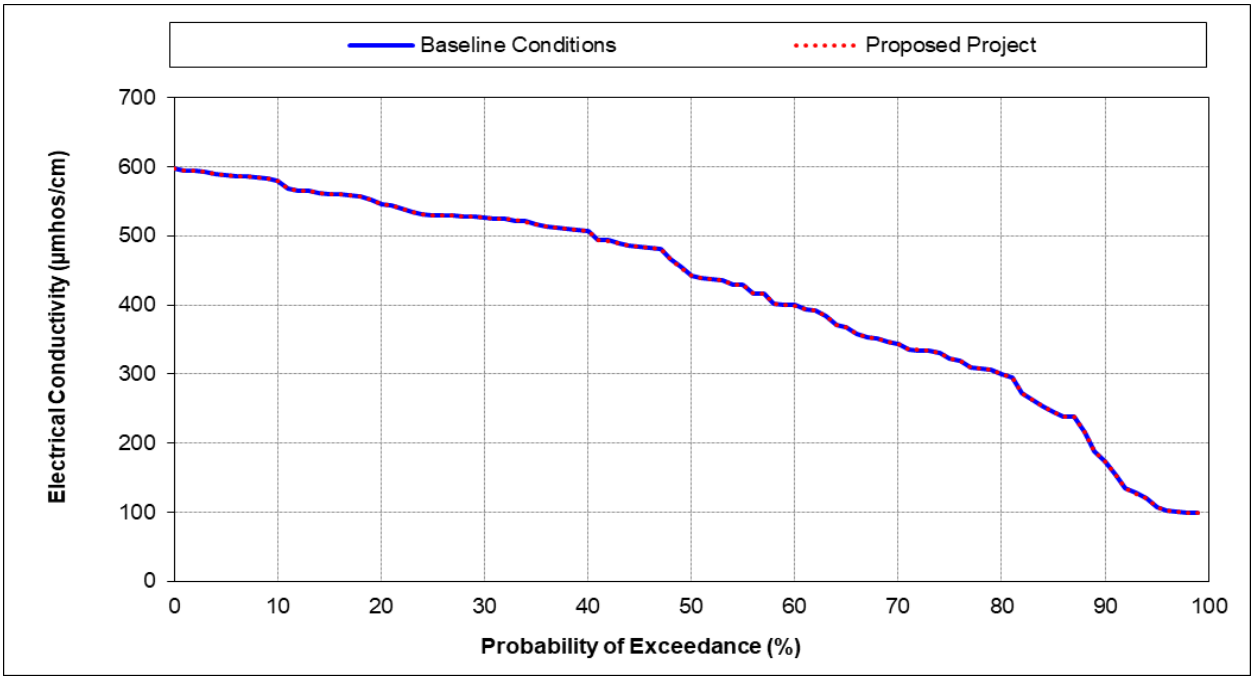

Figure 5B-11k. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), May

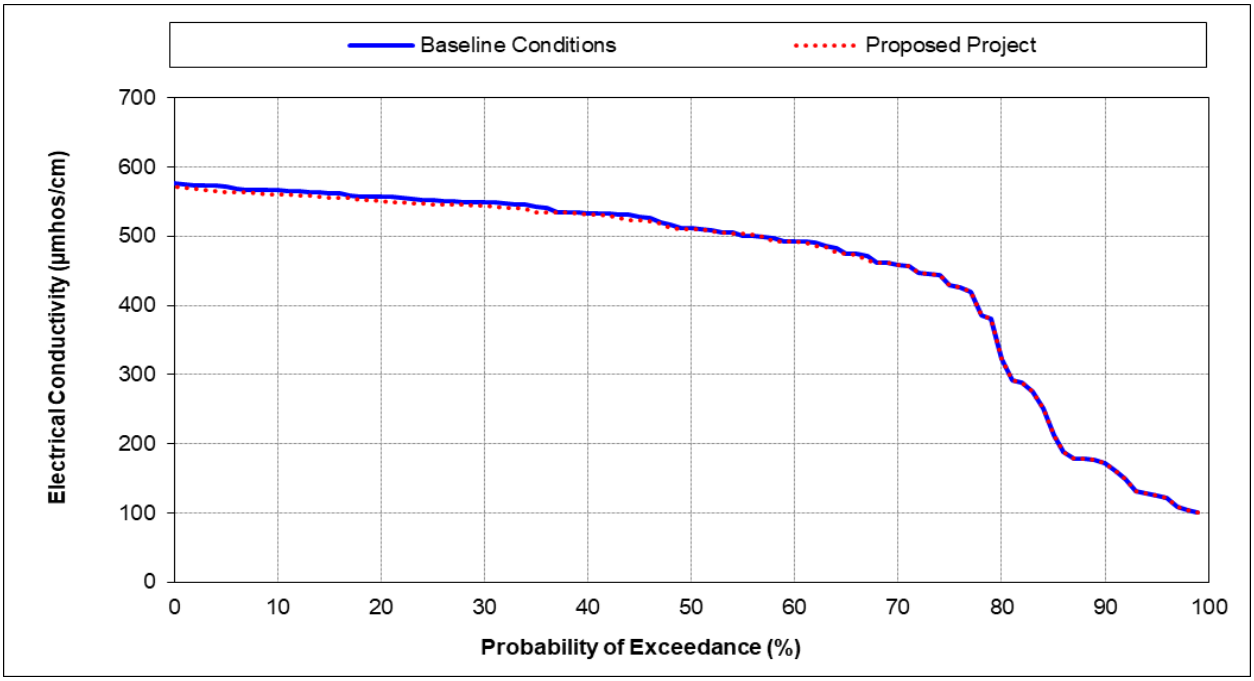

Figure 5B-11l. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), June

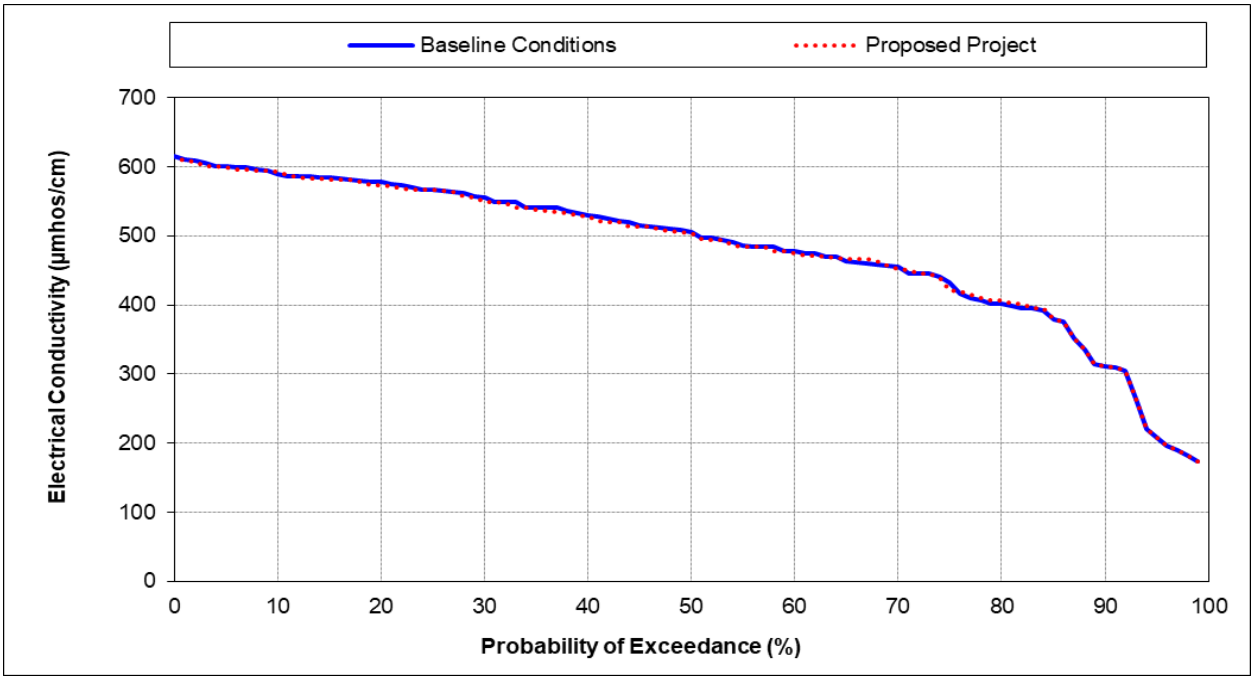

Figure 5B-11m. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), July

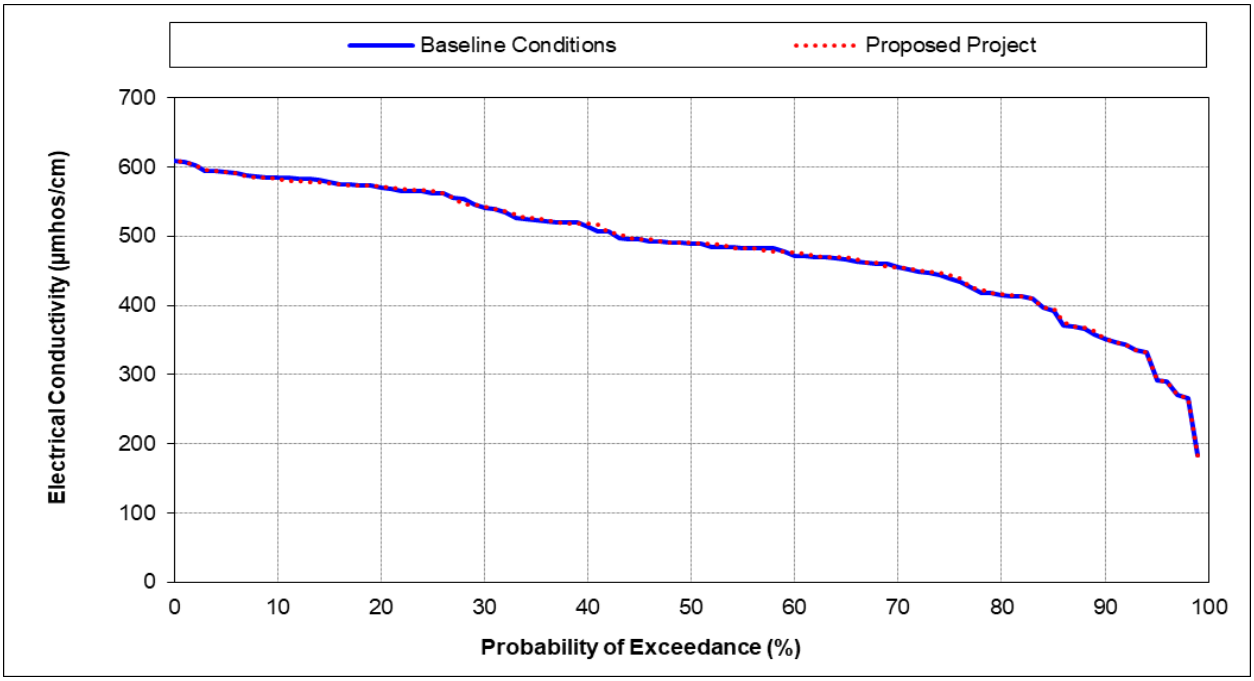

Figure 5B-11n. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), August

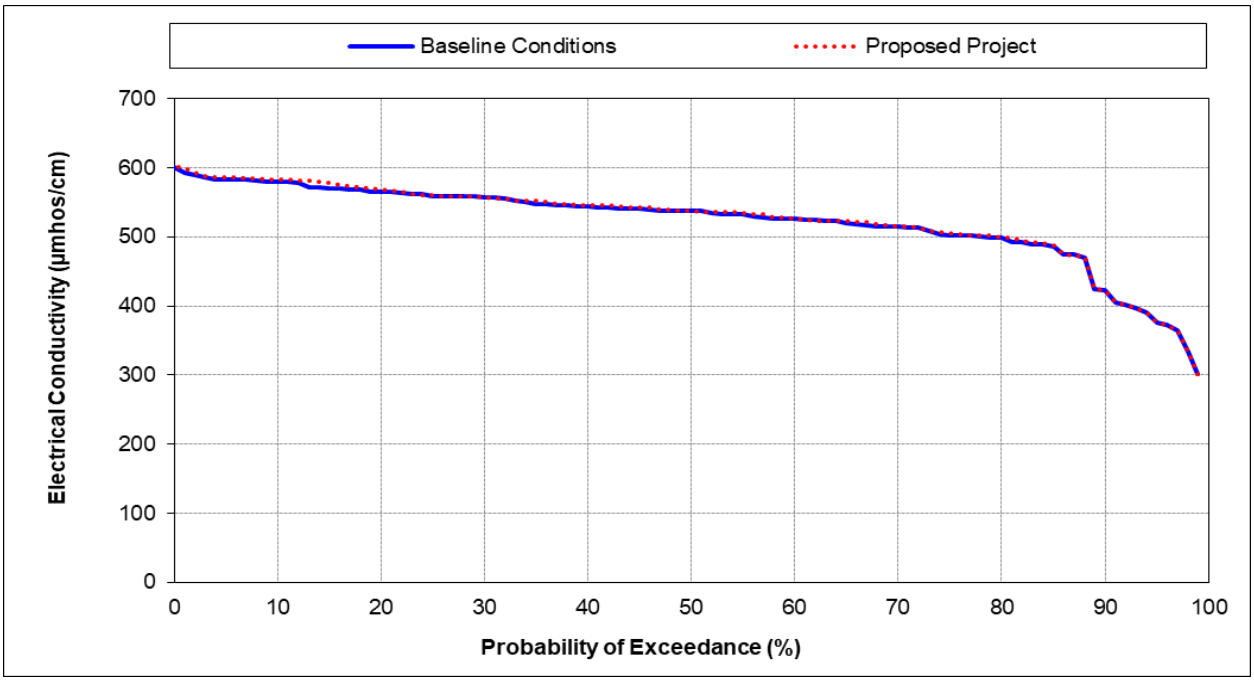

Figure 5B-11o. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), September

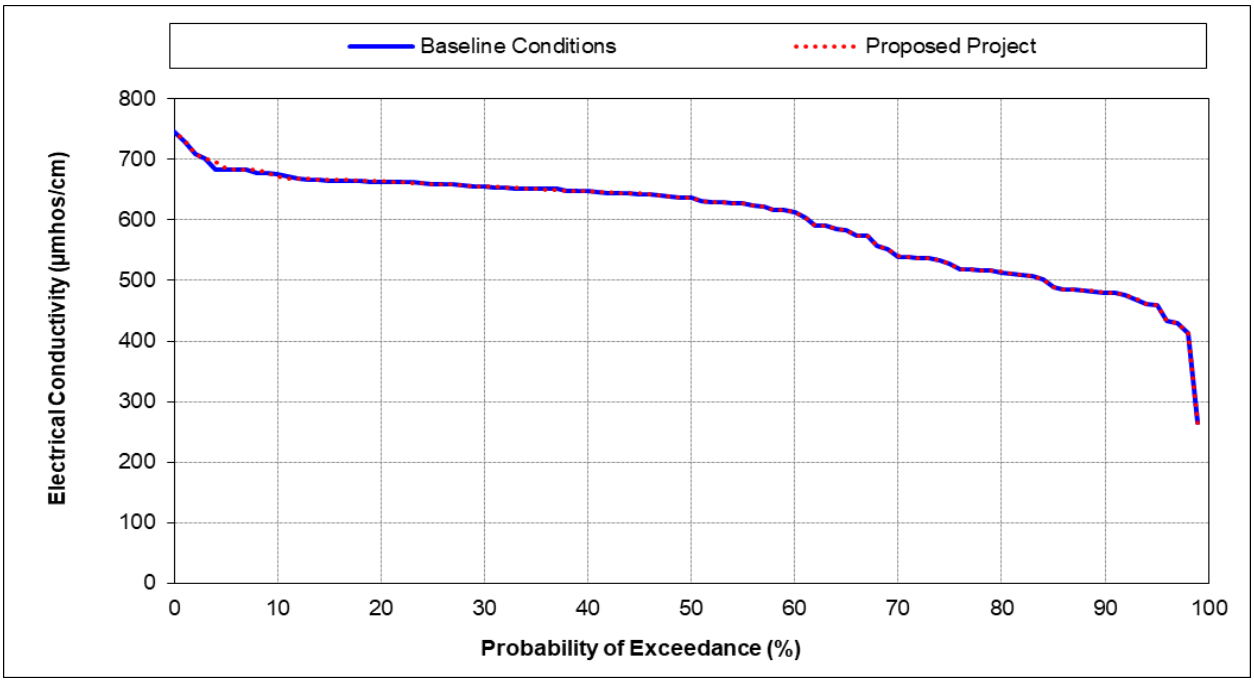

Figure 5B-11p. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), October

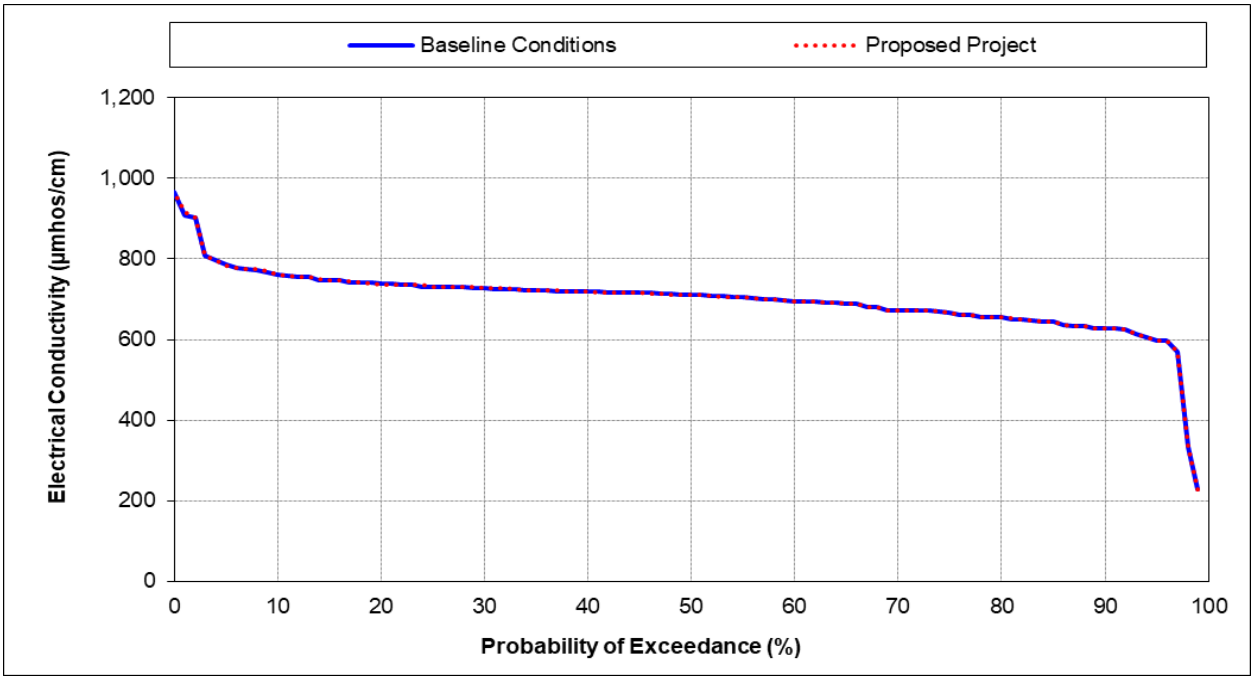

Figure 5B-11q. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), November

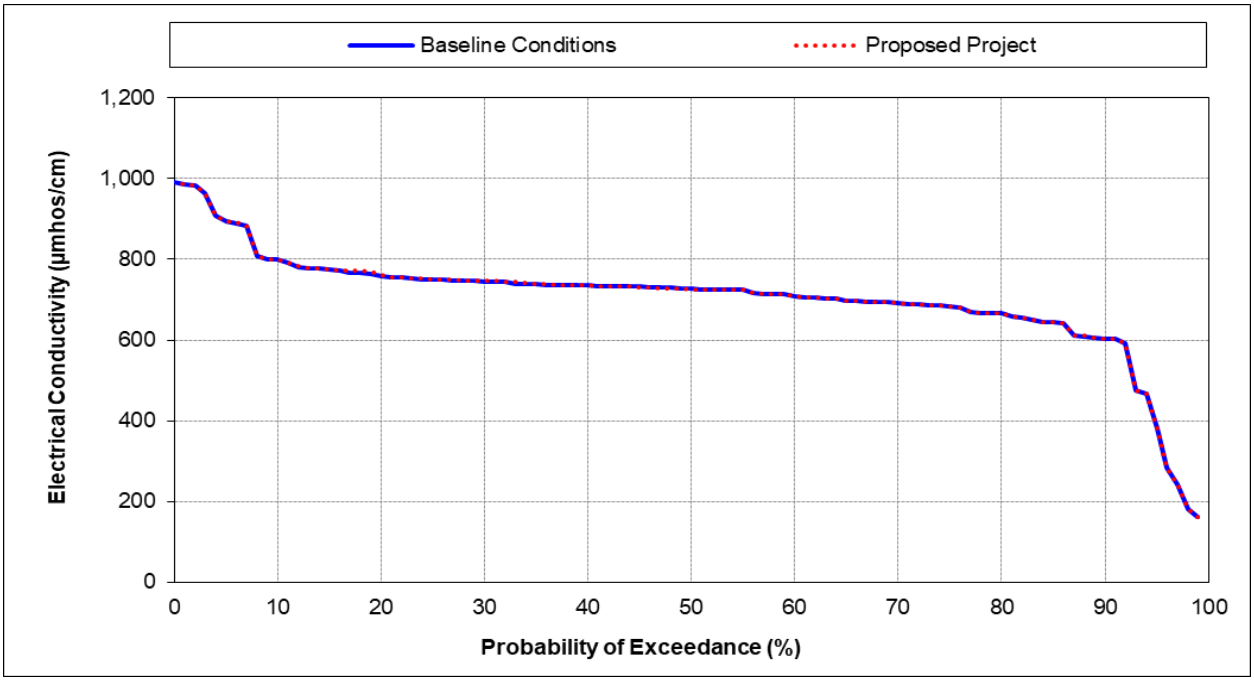

Figure 5B-11r. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), December

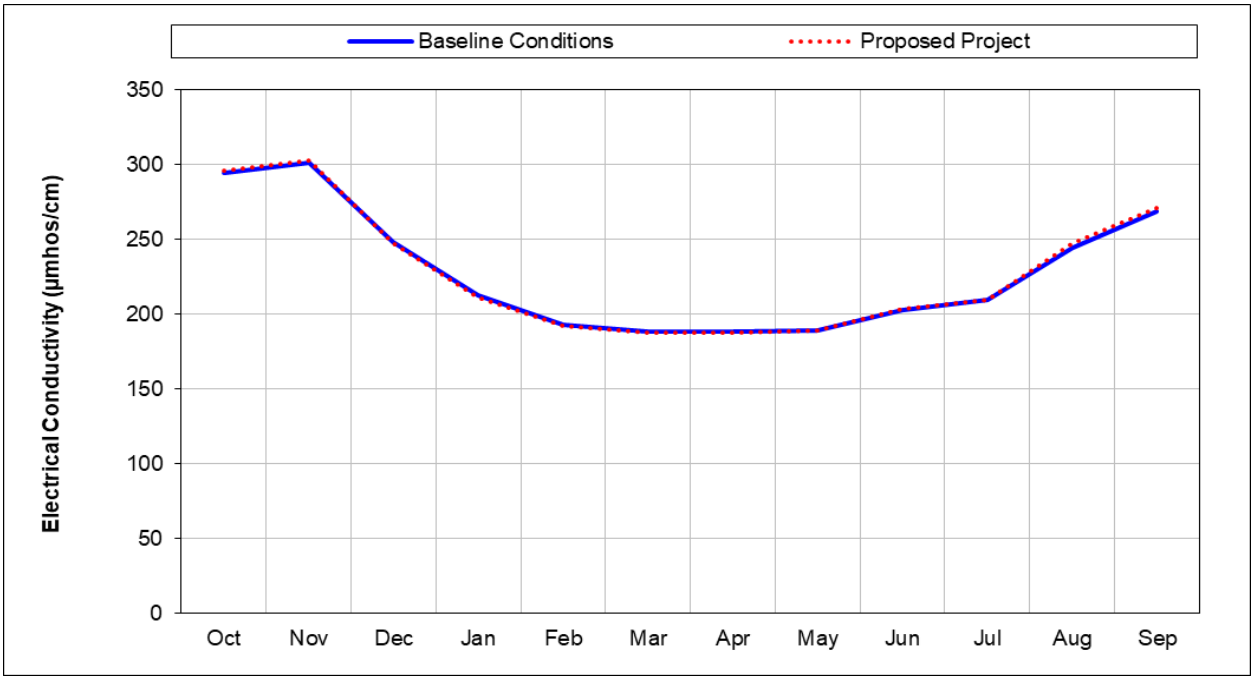

Figure 5B-12a. Sacramento River at Rio Vista, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)

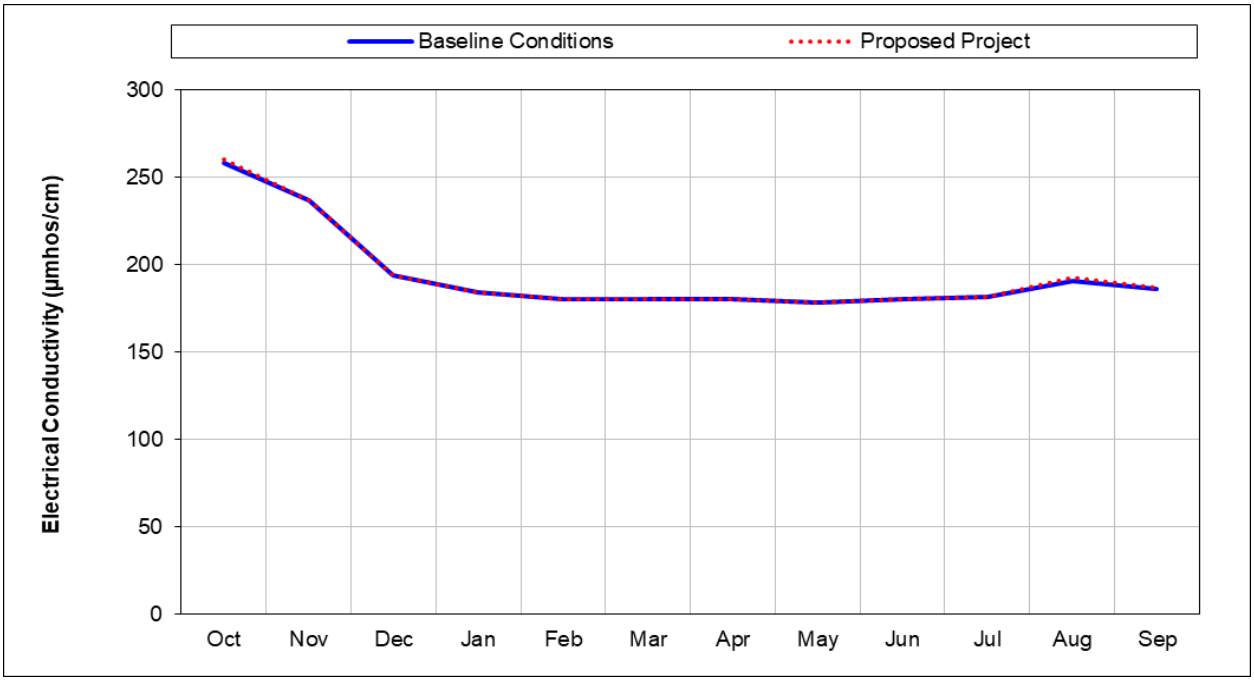

Figure 5B-12b. Sacramento River at Rio Vista, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

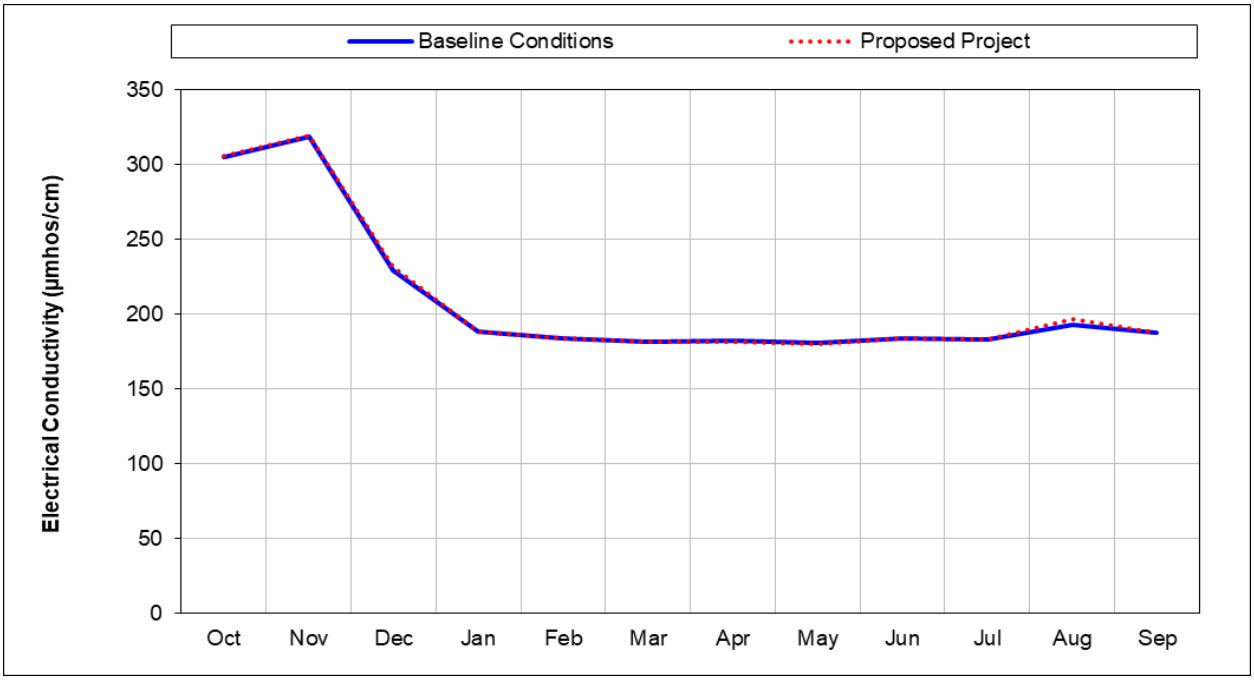

Figure 5B-12c. Sacramento River at Rio Vista, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

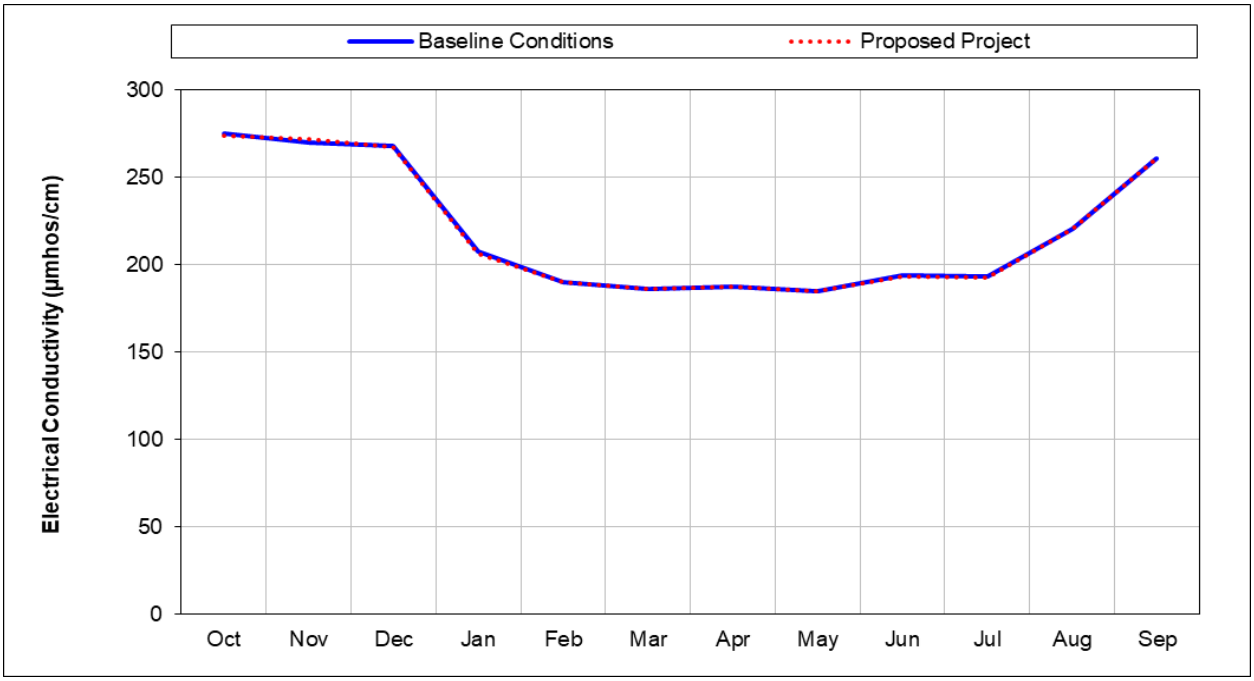

Figure 5B-12d. Sacramento River at Rio Vista, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

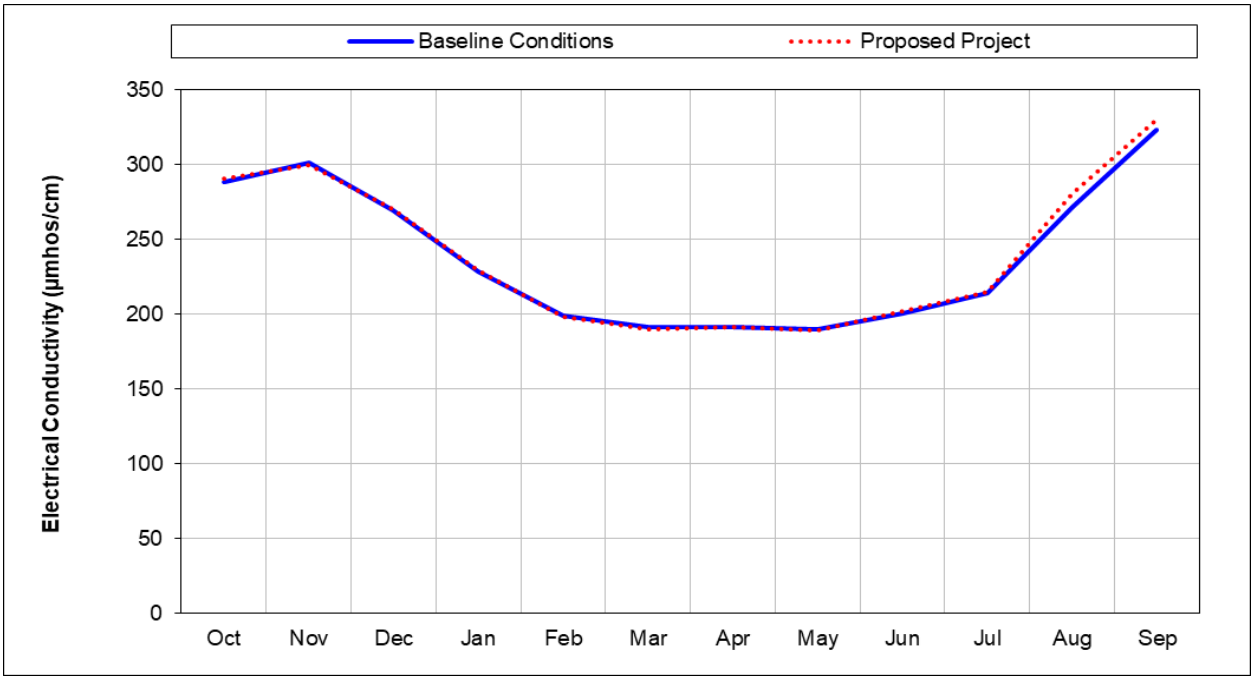

Figure 5B-12e. Sacramento River at Rio Vista, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

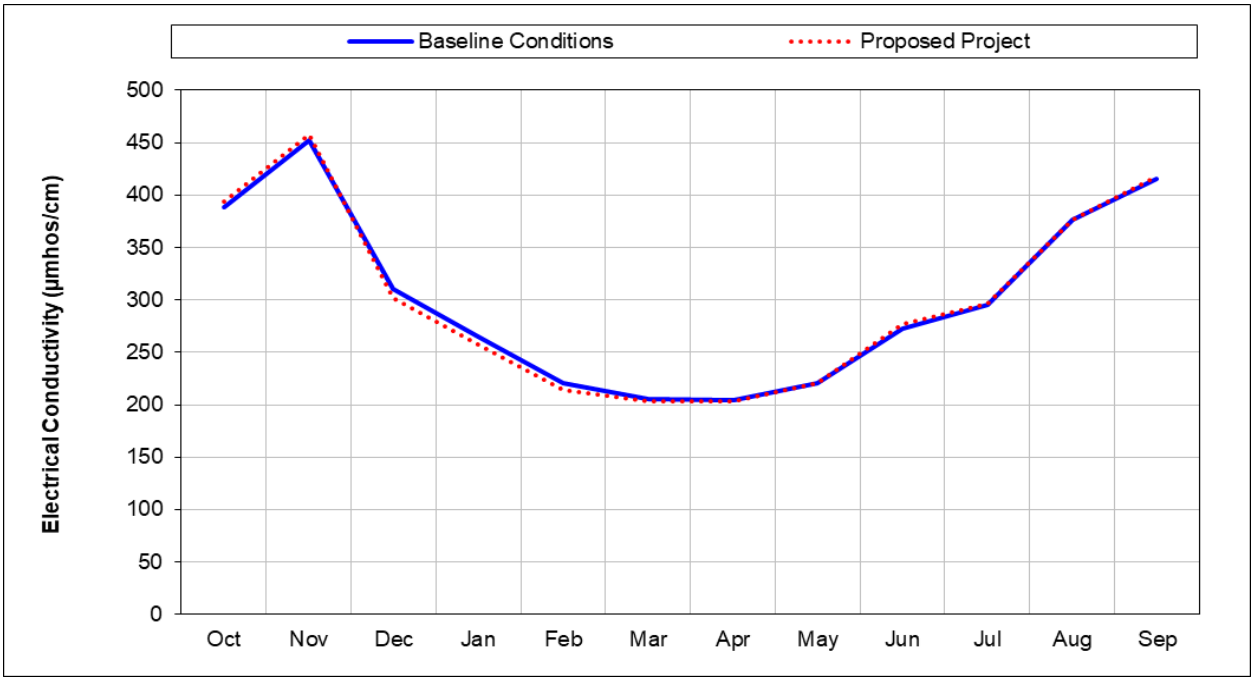

Figure 5B-12f. Sacramento River at Rio Vista, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

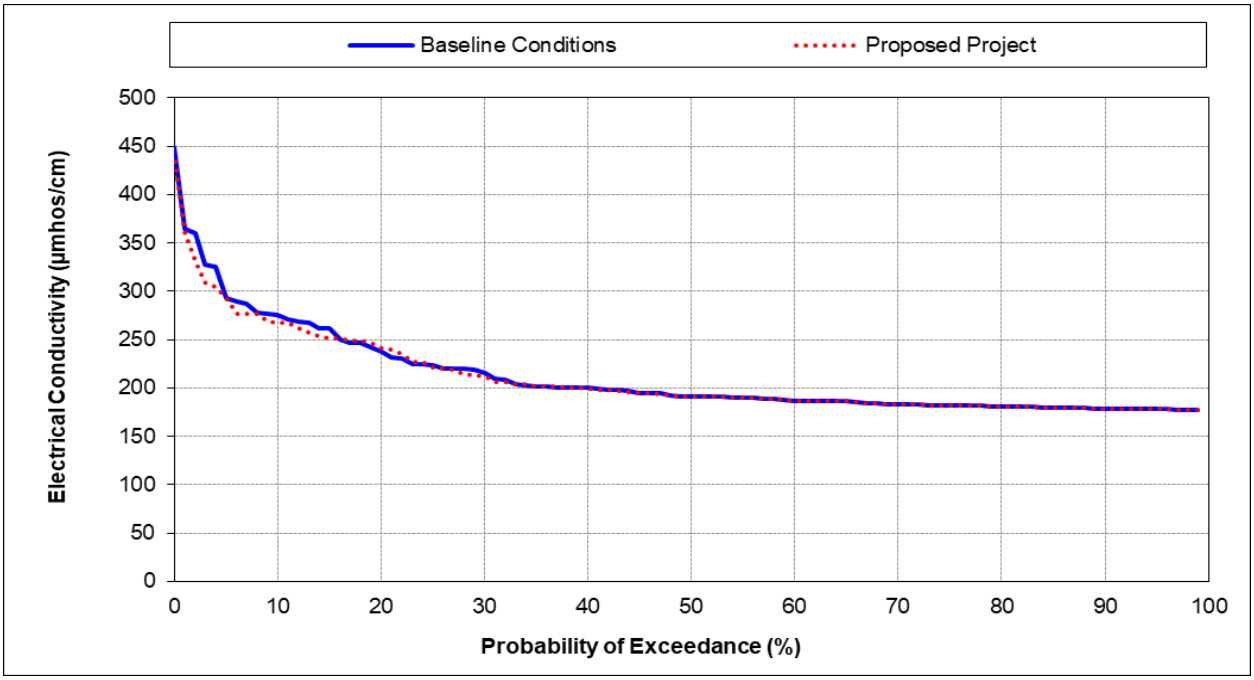

Figure 5B-12g. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), January

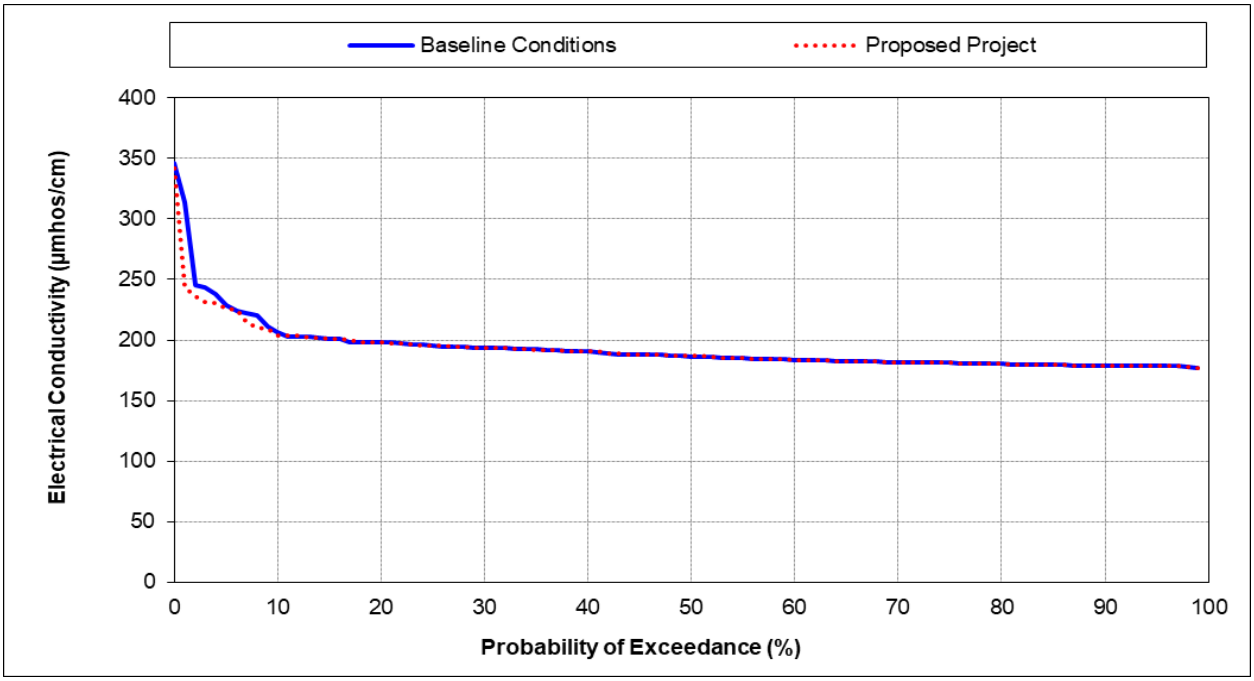

Figure 5B-12h. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), February

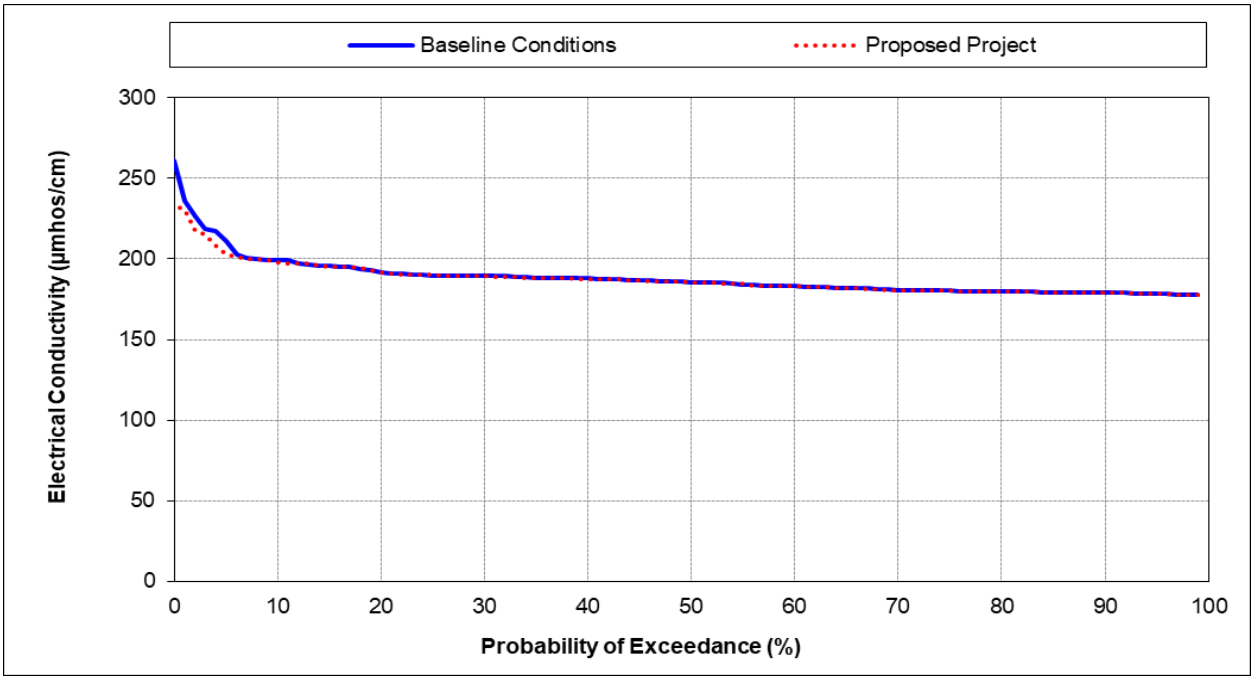

Figure 5B-12i. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), March

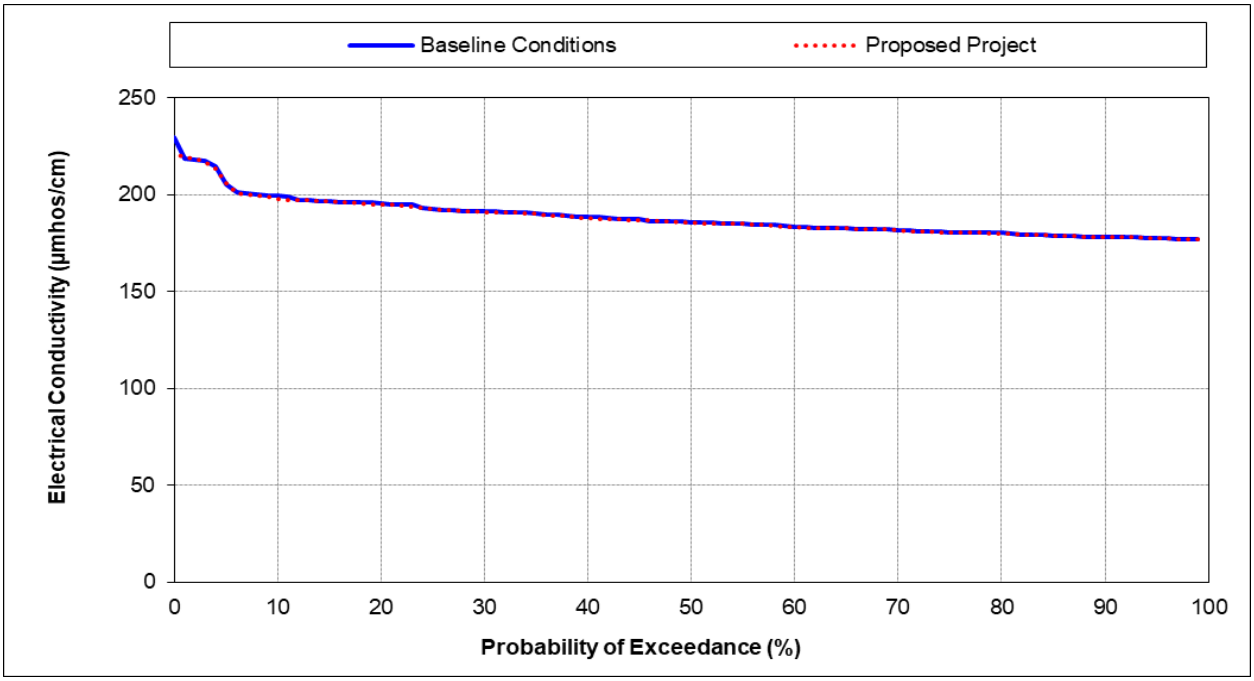

Figure 5B-12j. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), April

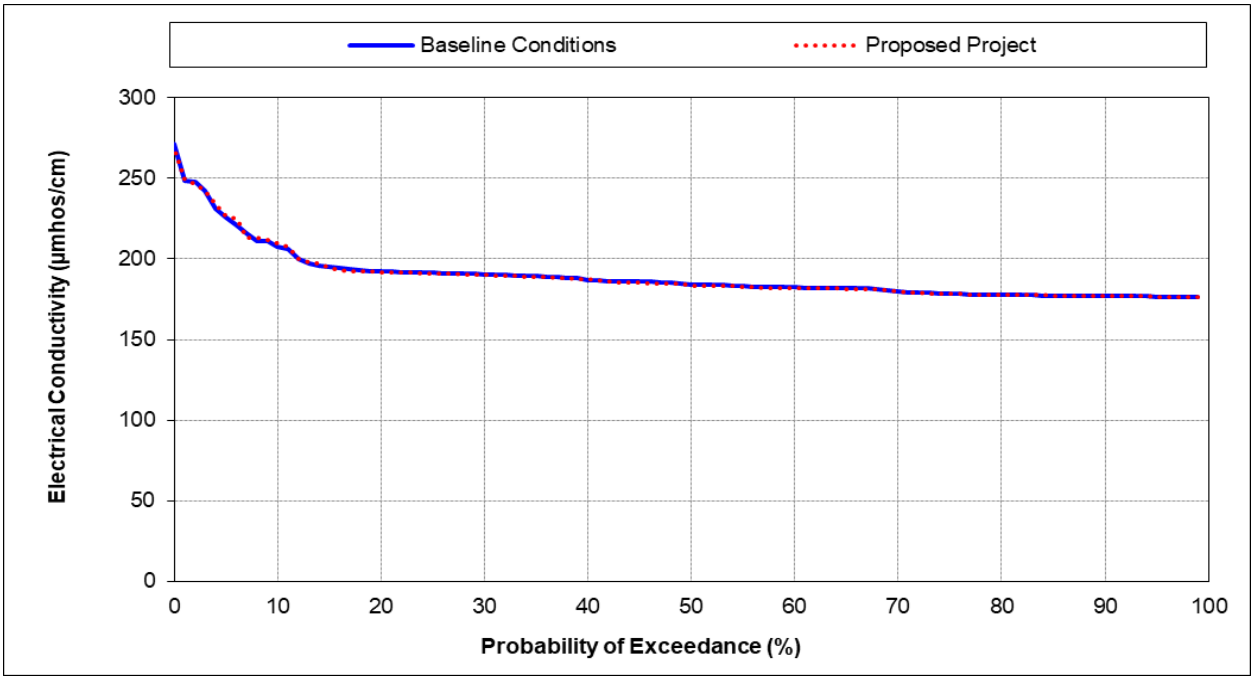

Figure 5B-12k. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), May

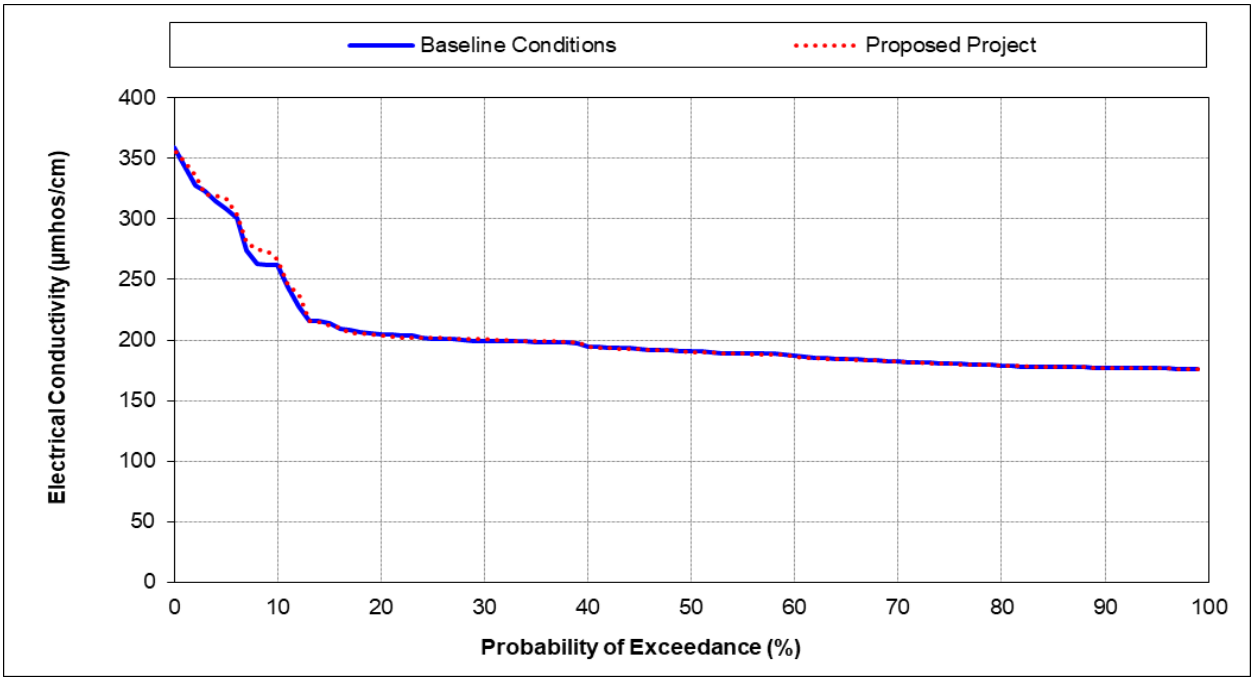

Figure 5B-12l. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), June

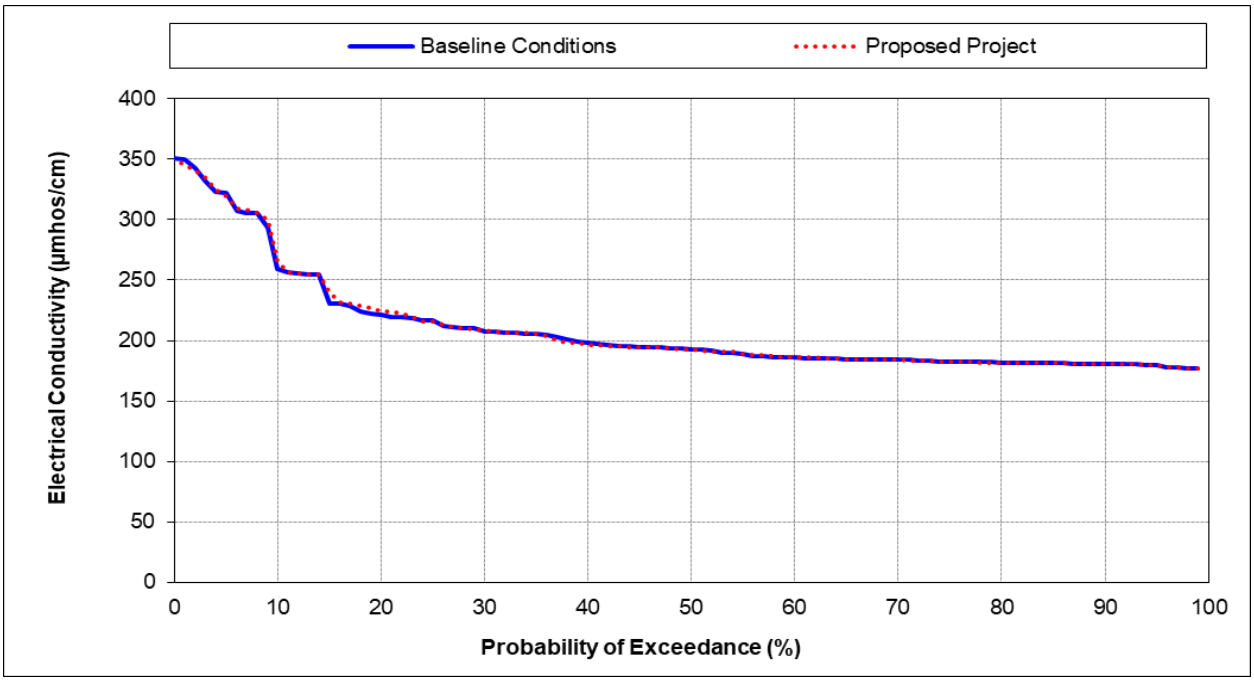

Figure 5B-12m. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), July

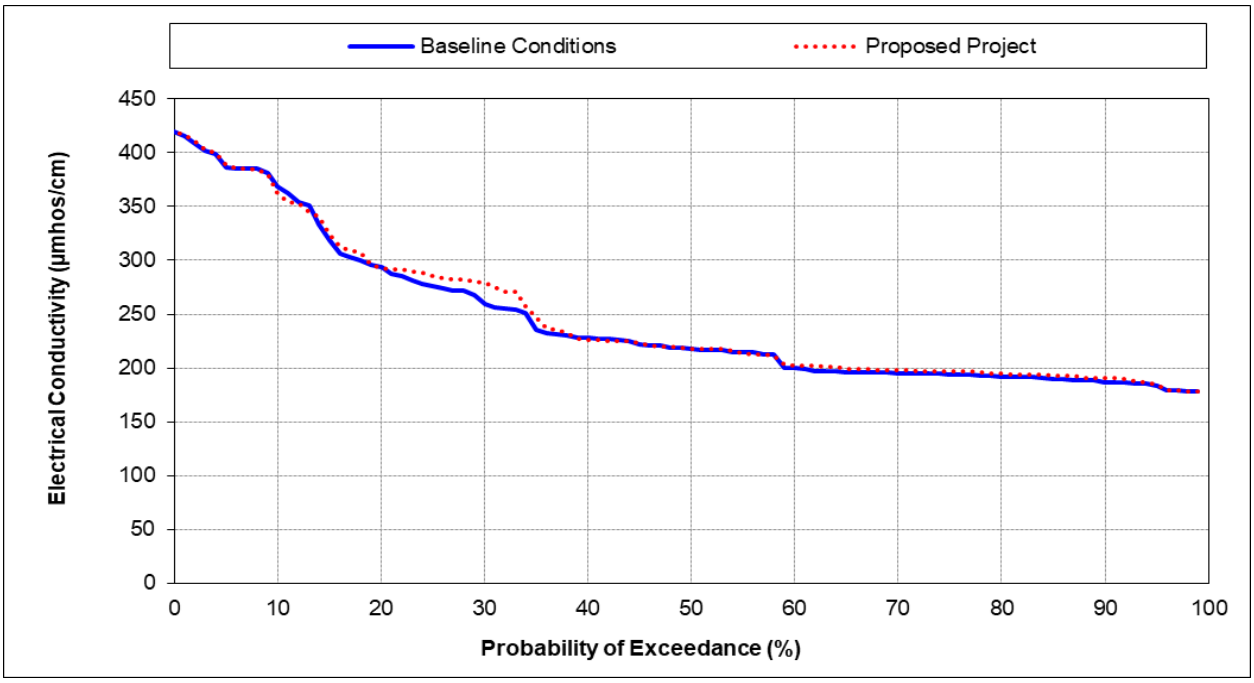

Figure 5B-12n. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), August

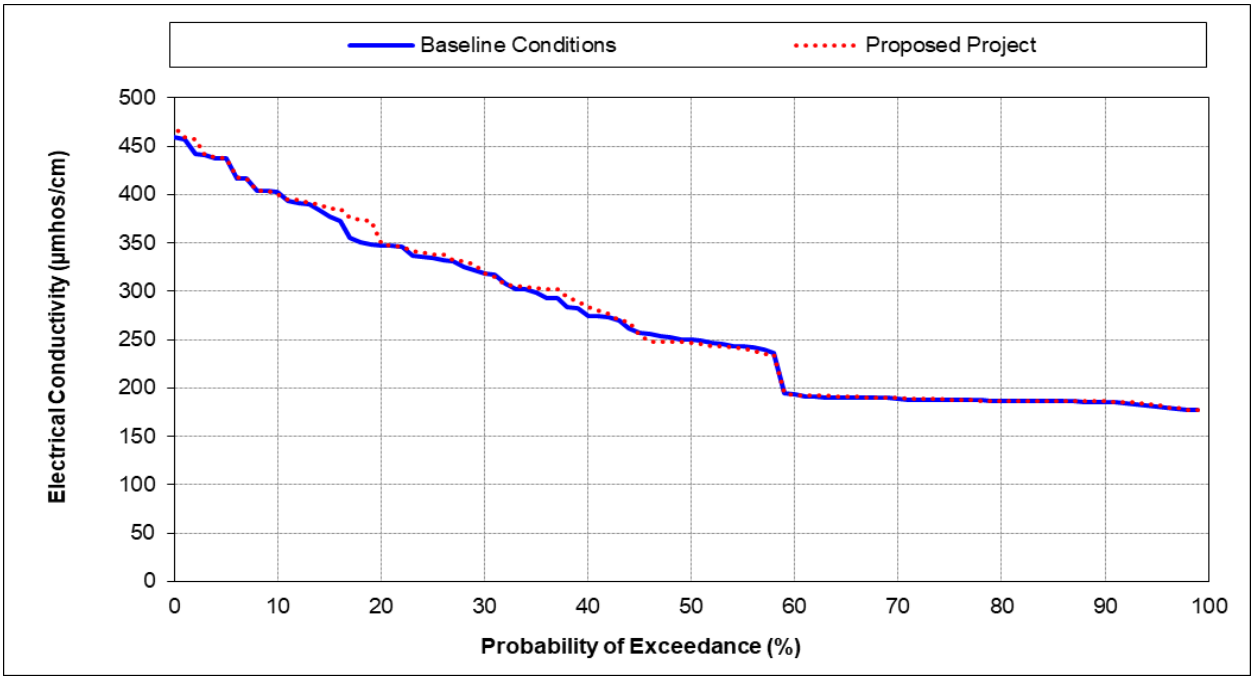

Figure 5B-12o. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), September

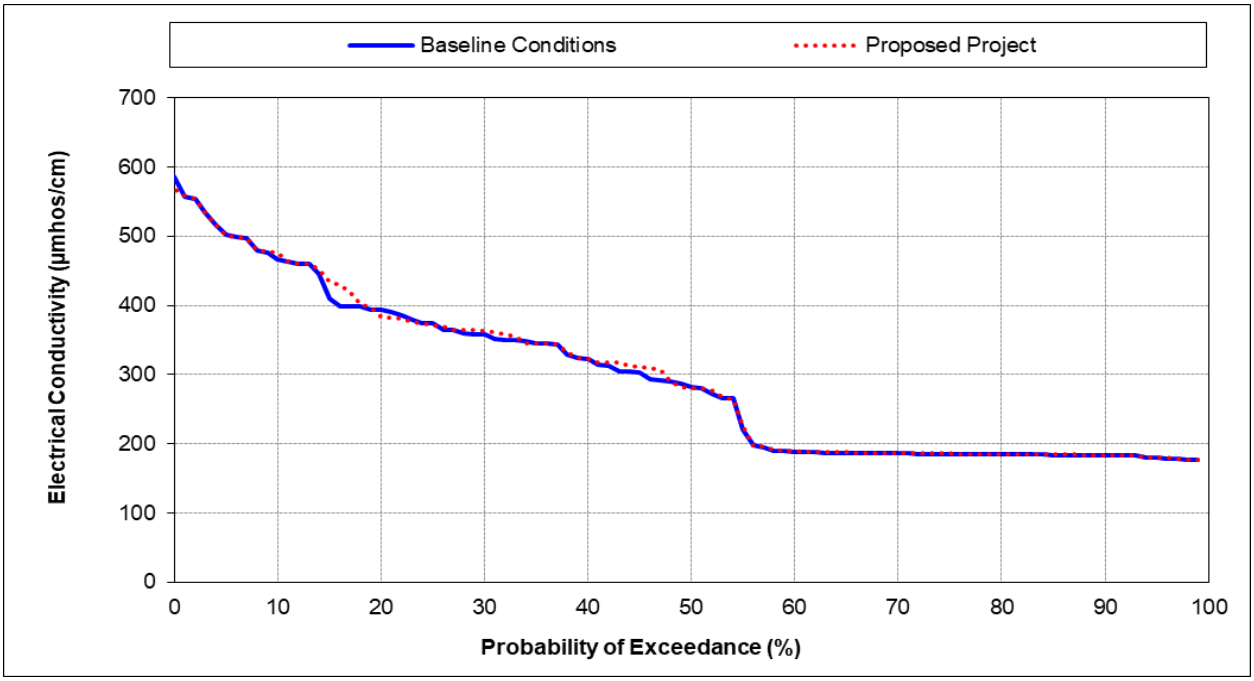

Figure 5B-12p. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), October

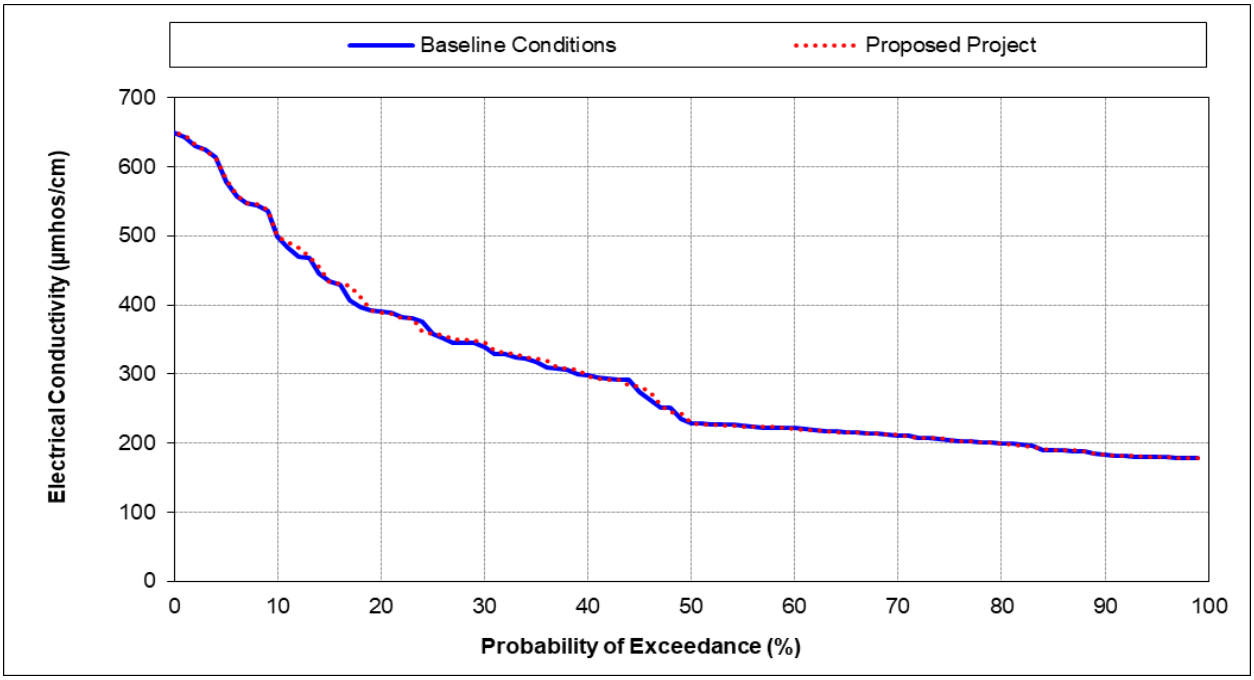

Figure 5B-12q. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), November

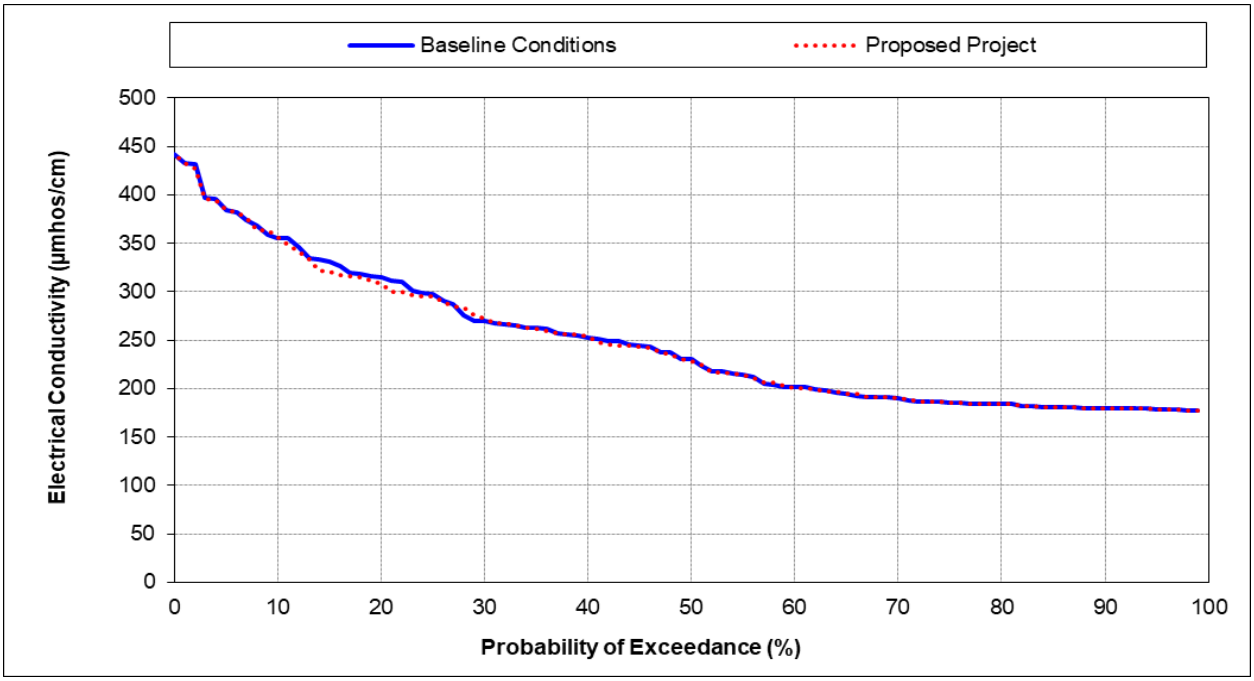

Figure 5B-12r. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), December

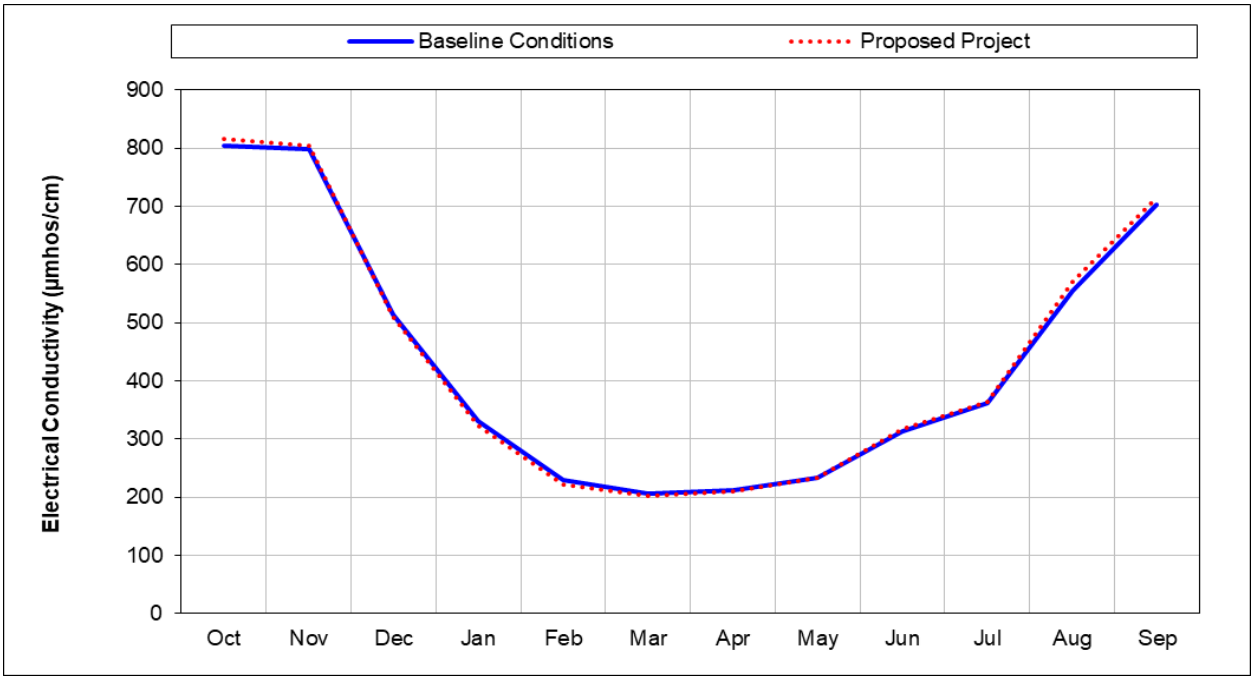

Figure 5B-13a. Sacramento River at Threemile Slough, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)

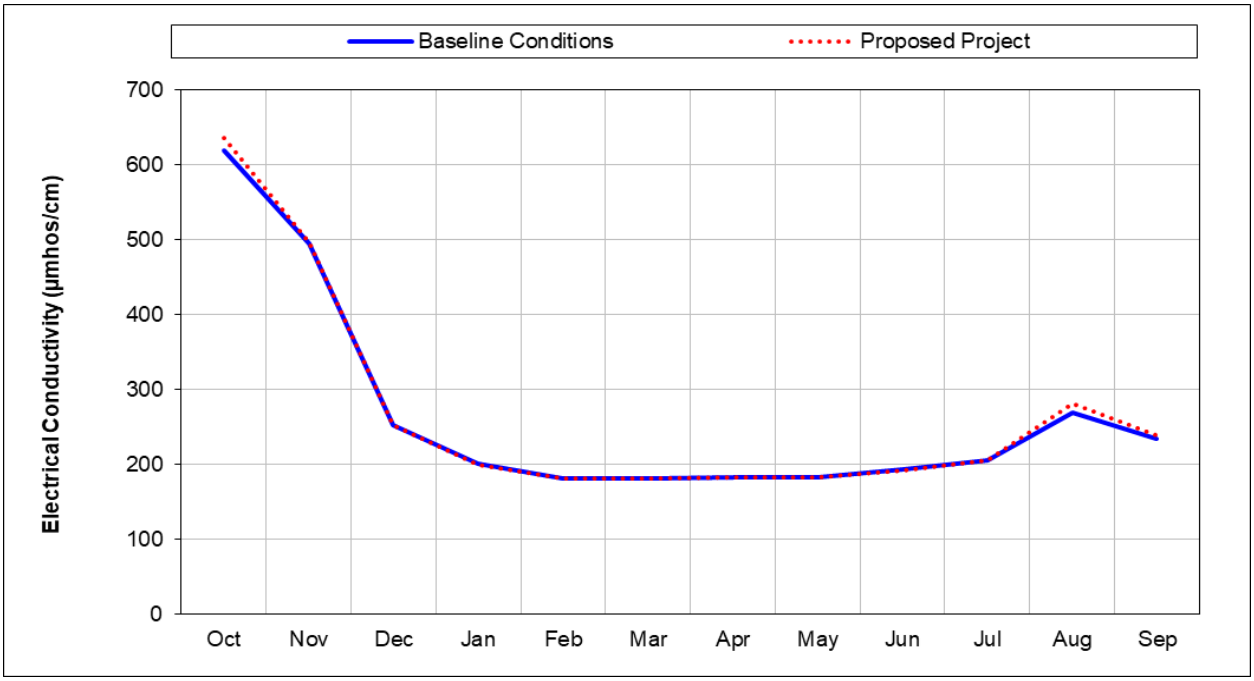

Figure 5B-13b. Sacramento River at Threemile Slough, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

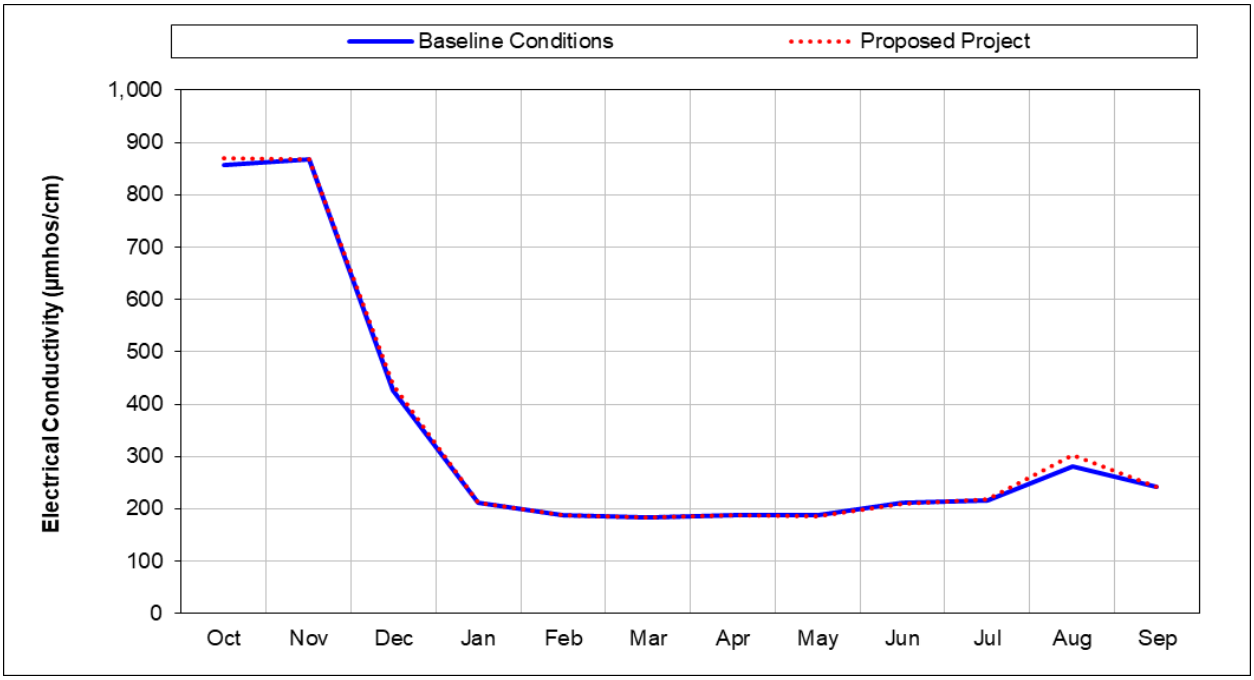

Figure 5B-13c. Sacramento River at Threemile Slough, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

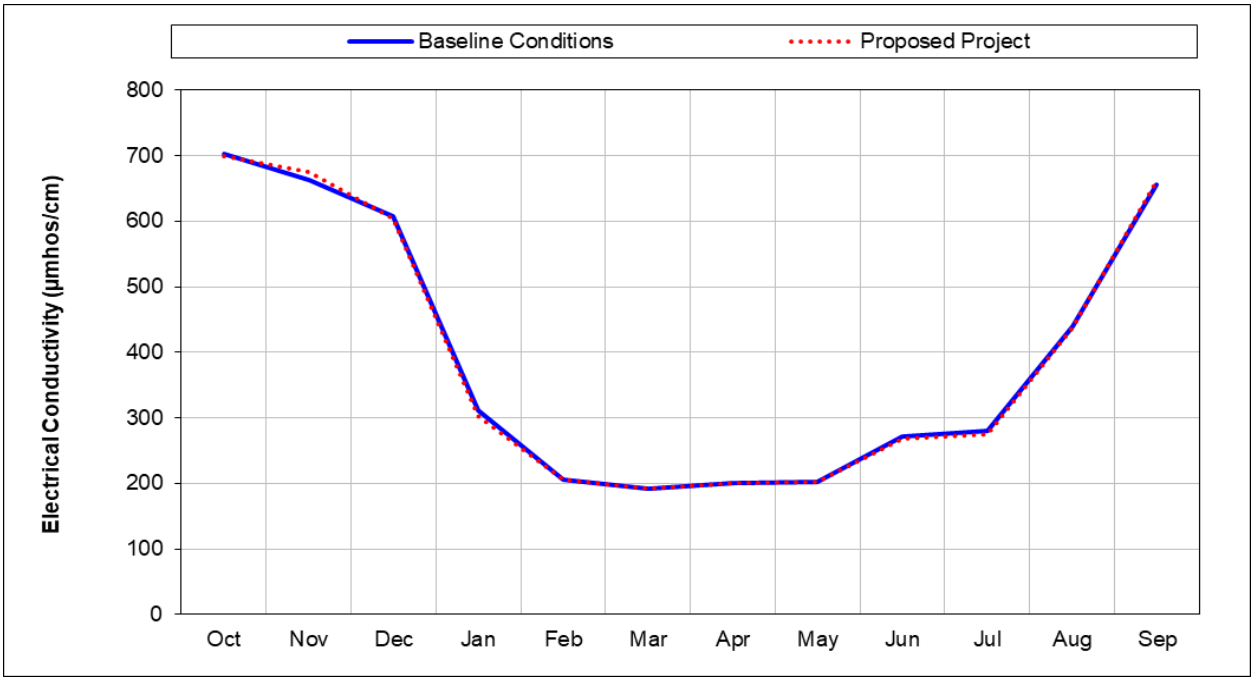

Figure 5B-13d. Sacramento River at Threemile Slough, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

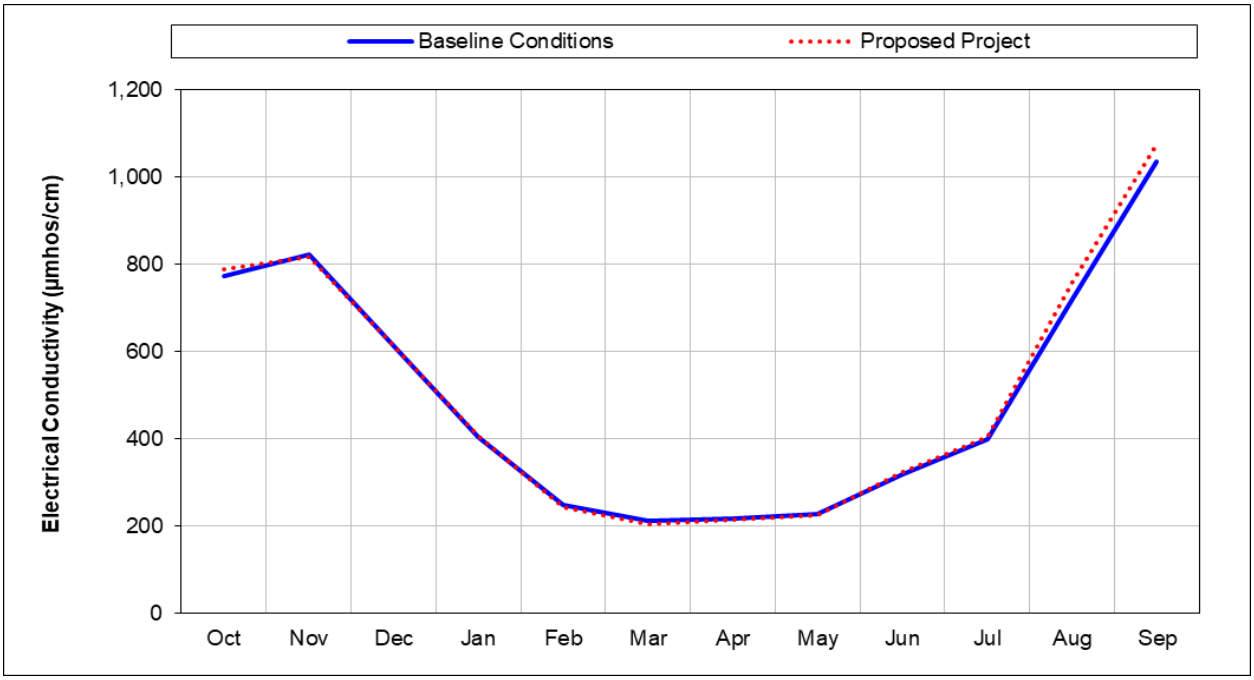

Figure 5B-13e. Sacramento River at Threemile Slough, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

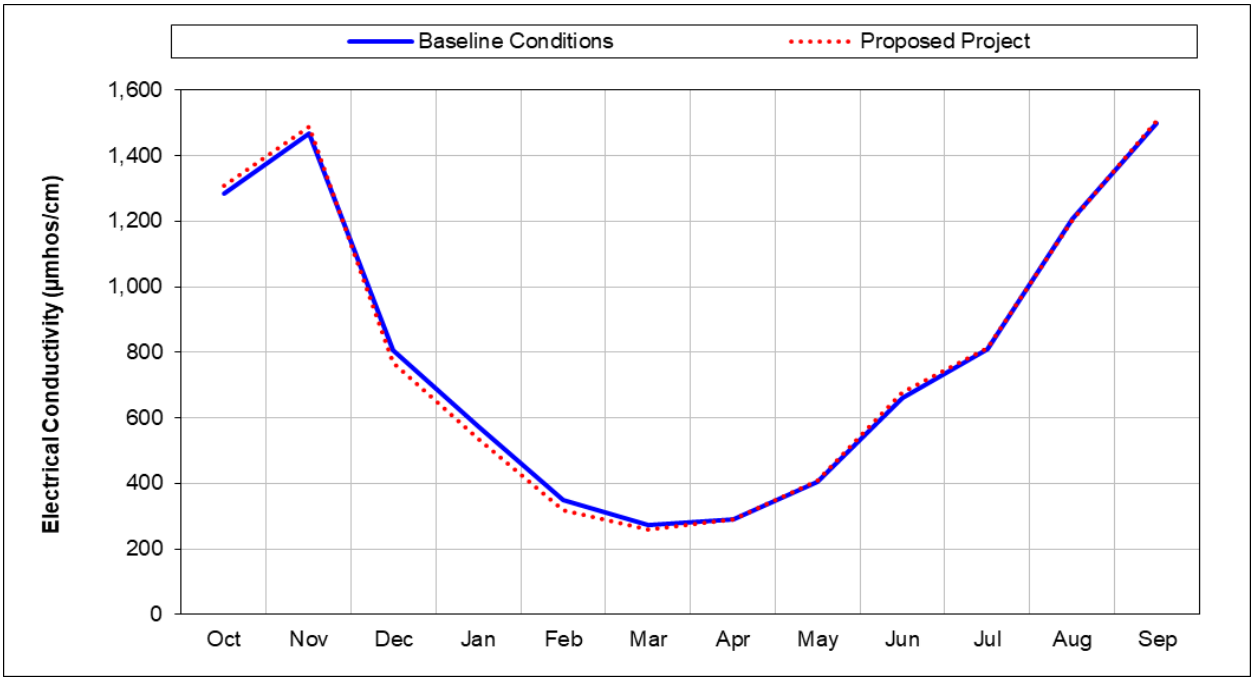

Figure 5B-13f. Sacramento River at Threemile Slough, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)

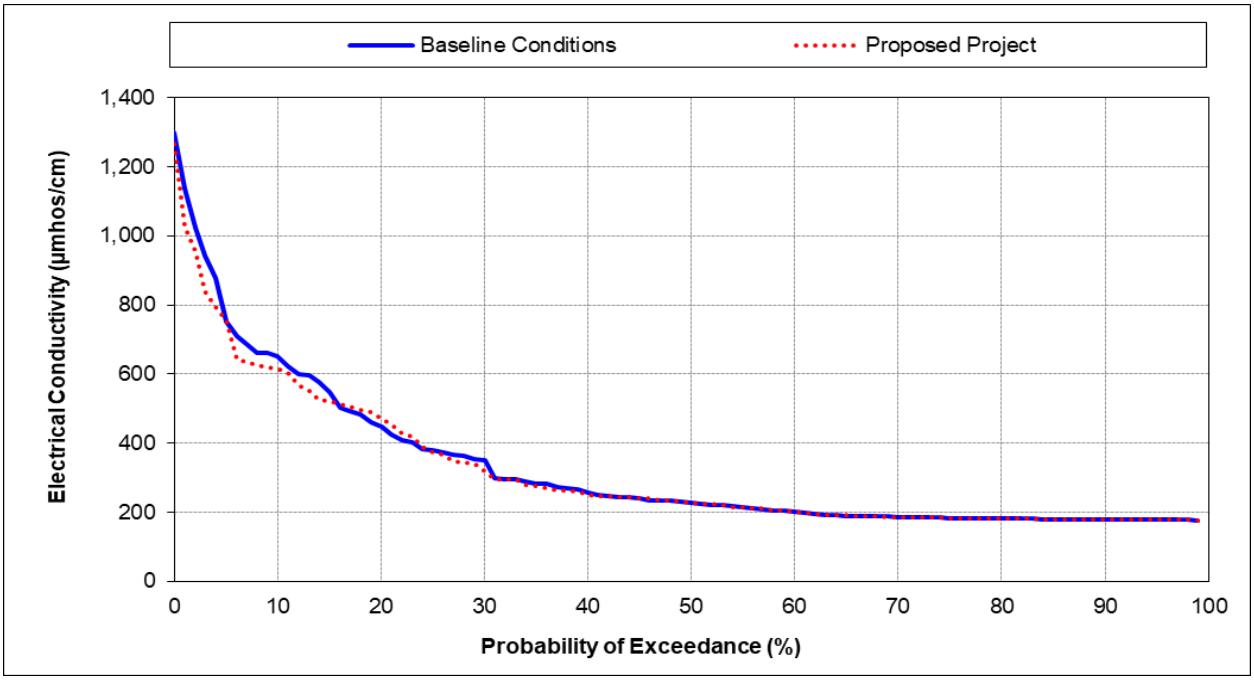

Figure 5B-13g. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), January

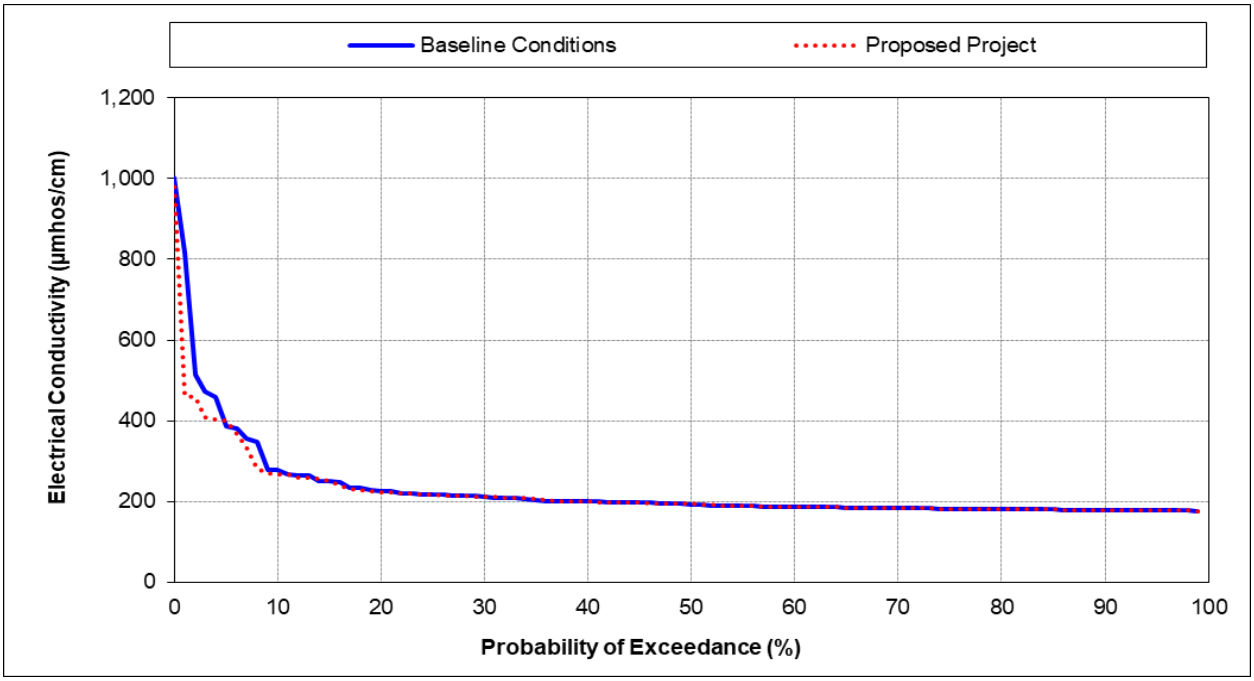

Figure 5B-13h. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), February

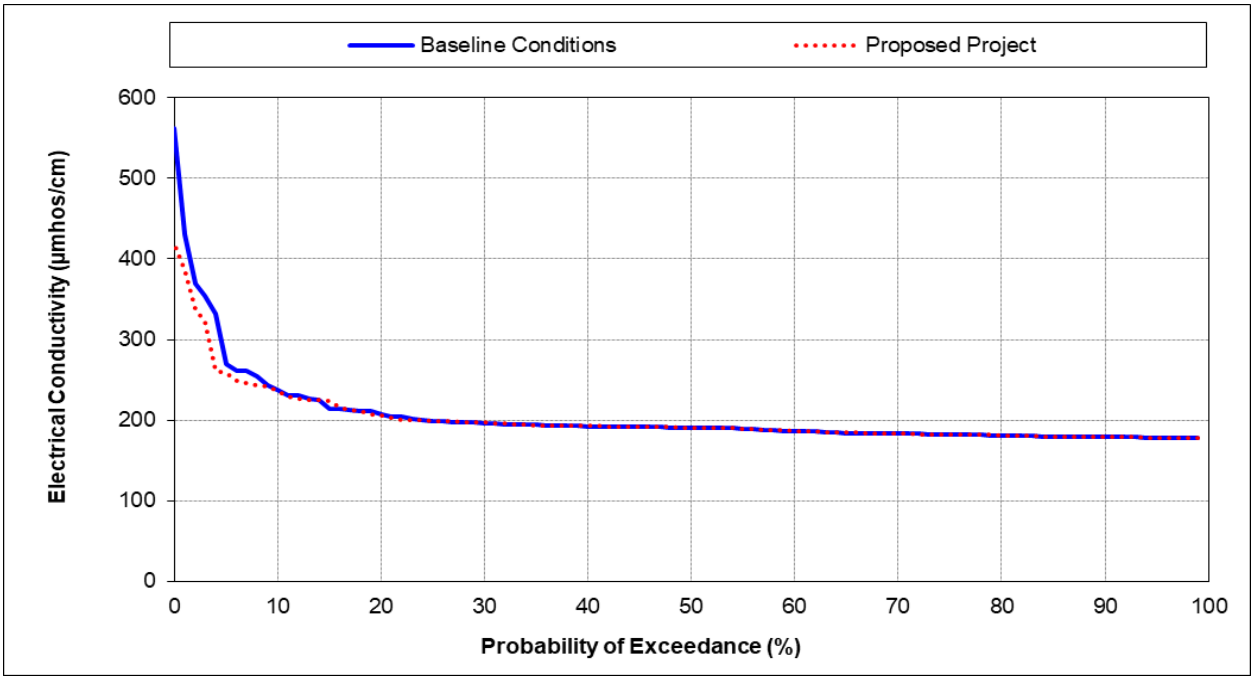

Figure 5B-13i. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), March

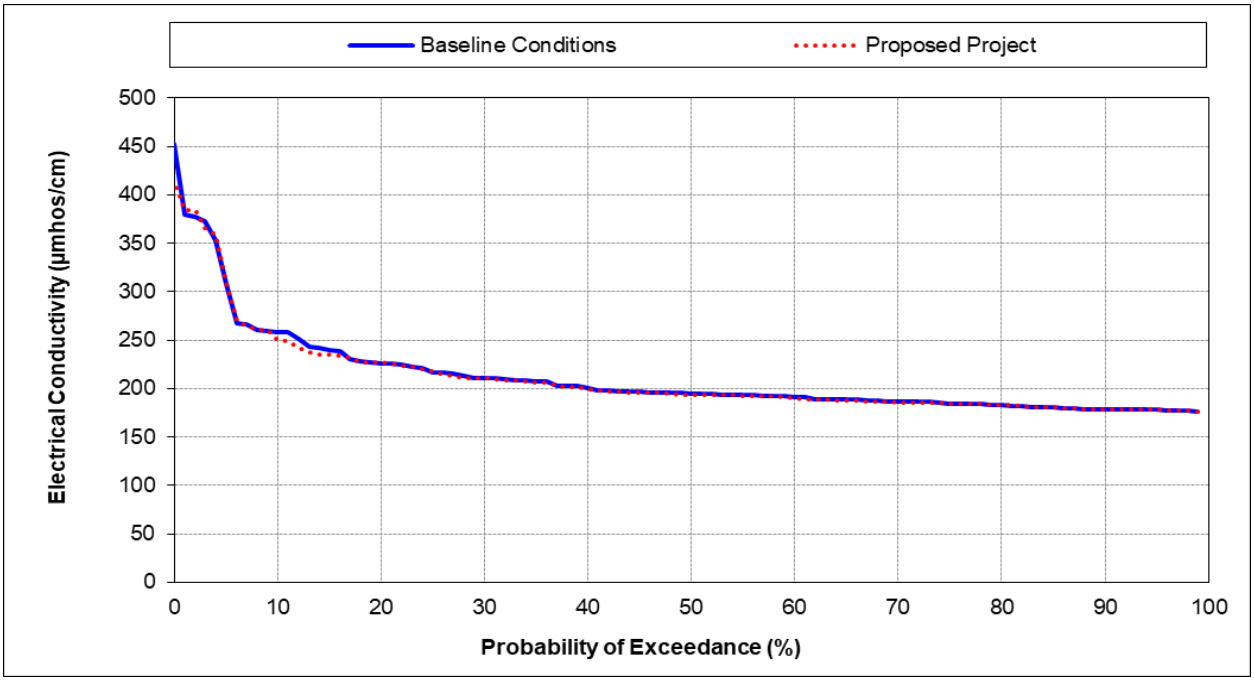

Figure 5B-13j. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), April

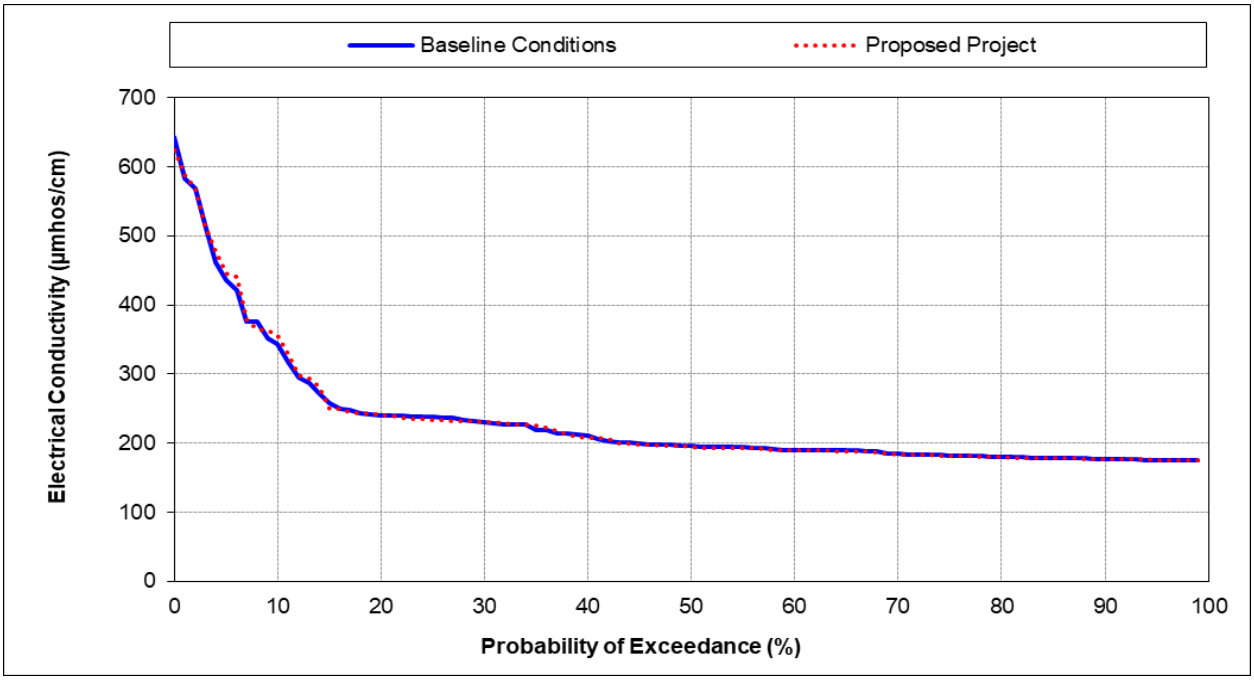

Figure 5B-13k. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), May

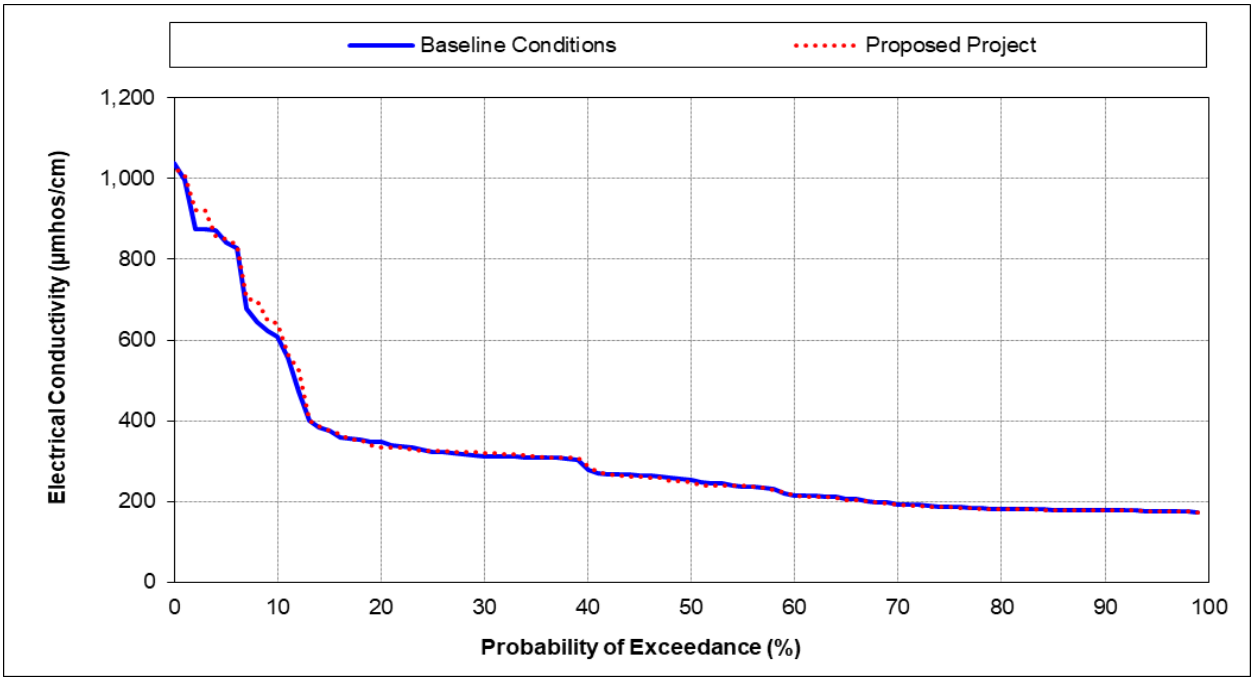

Figure 5B-13l. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), June

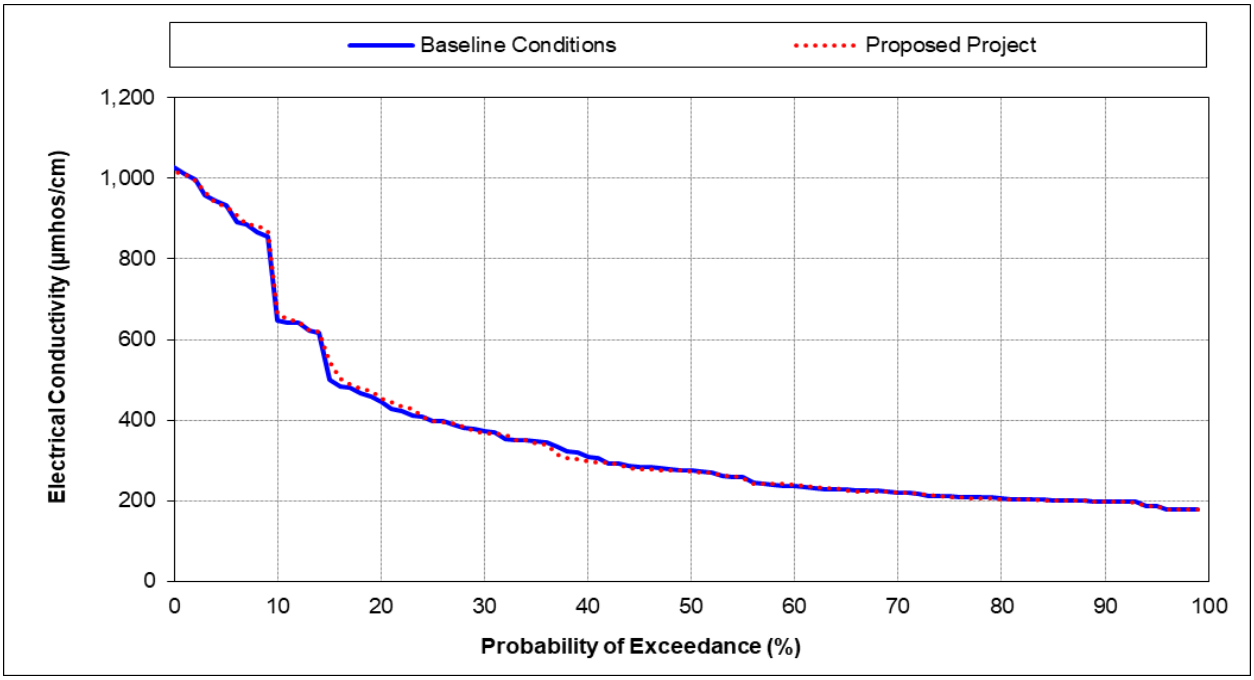

Figure 5B-13m. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), July

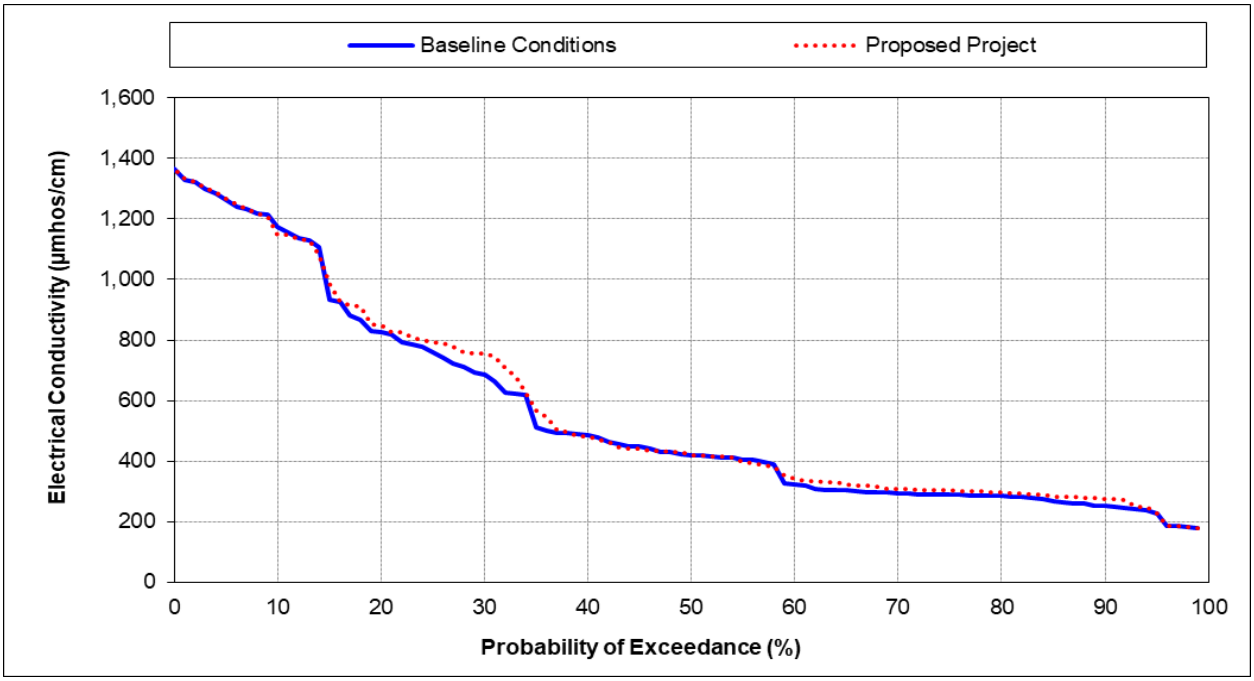

Figure 5B-13n. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), August

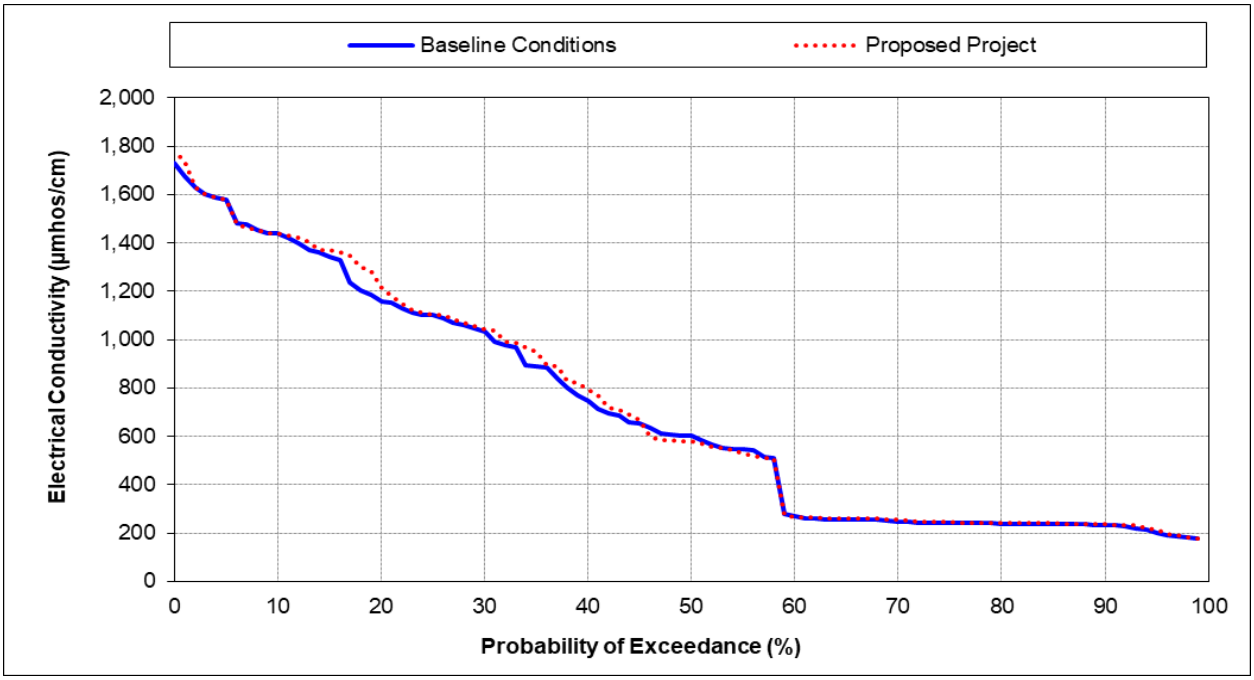

Figure 5B-13o. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), September

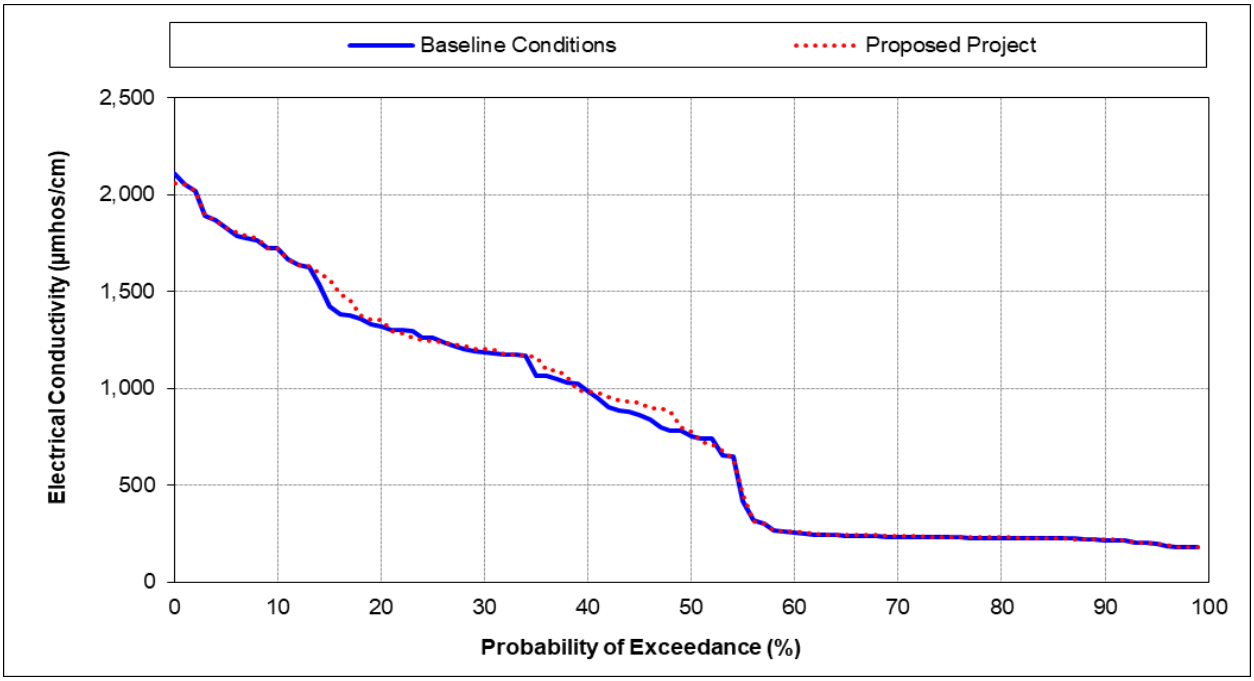

Figure 5B-13p. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), October

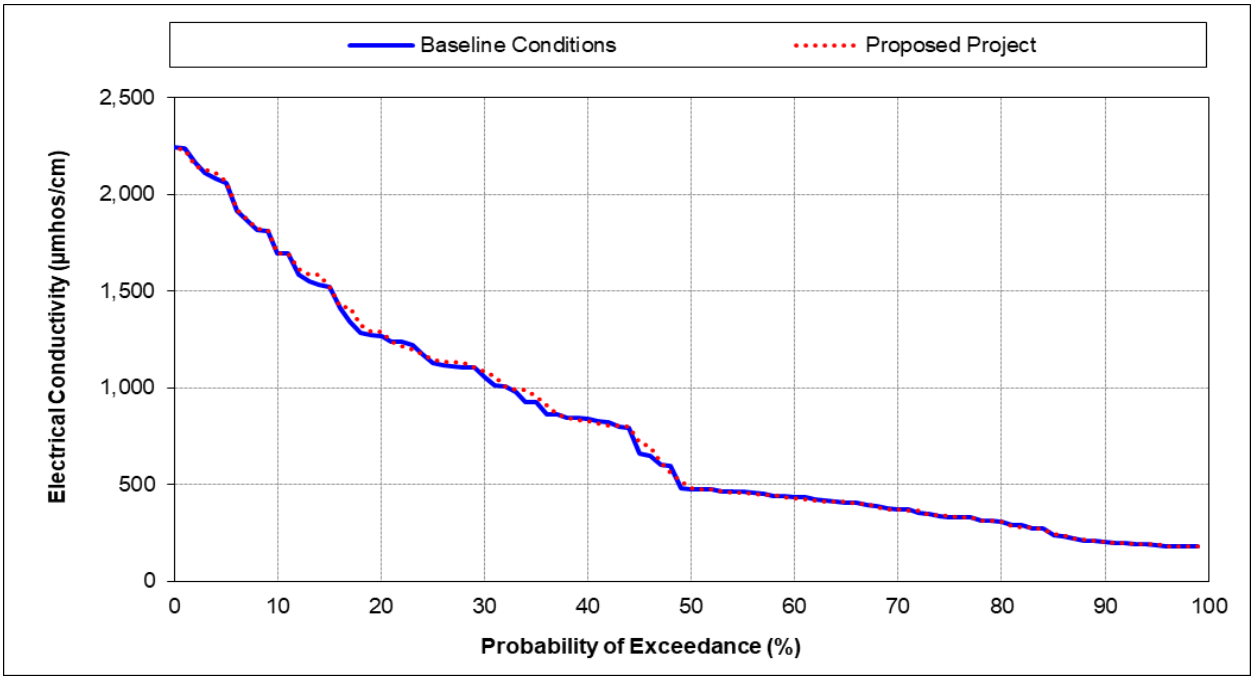

Figure 5B-13q. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), November

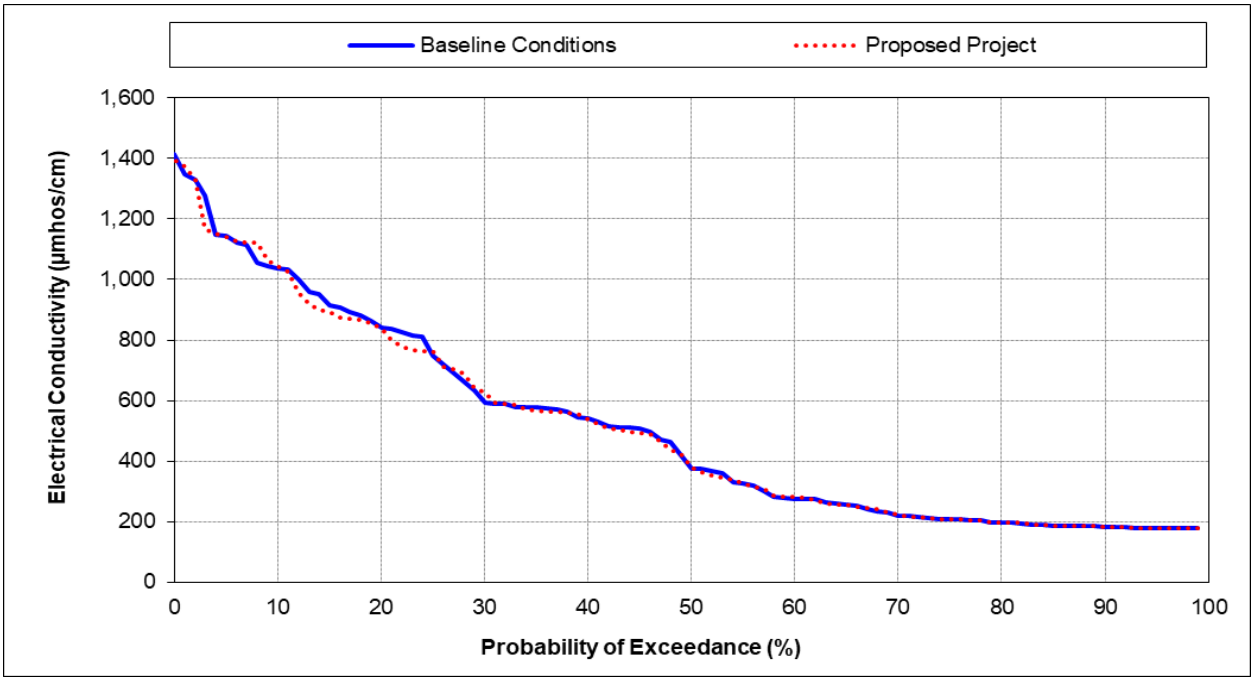

Figure 5B-13r. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), December

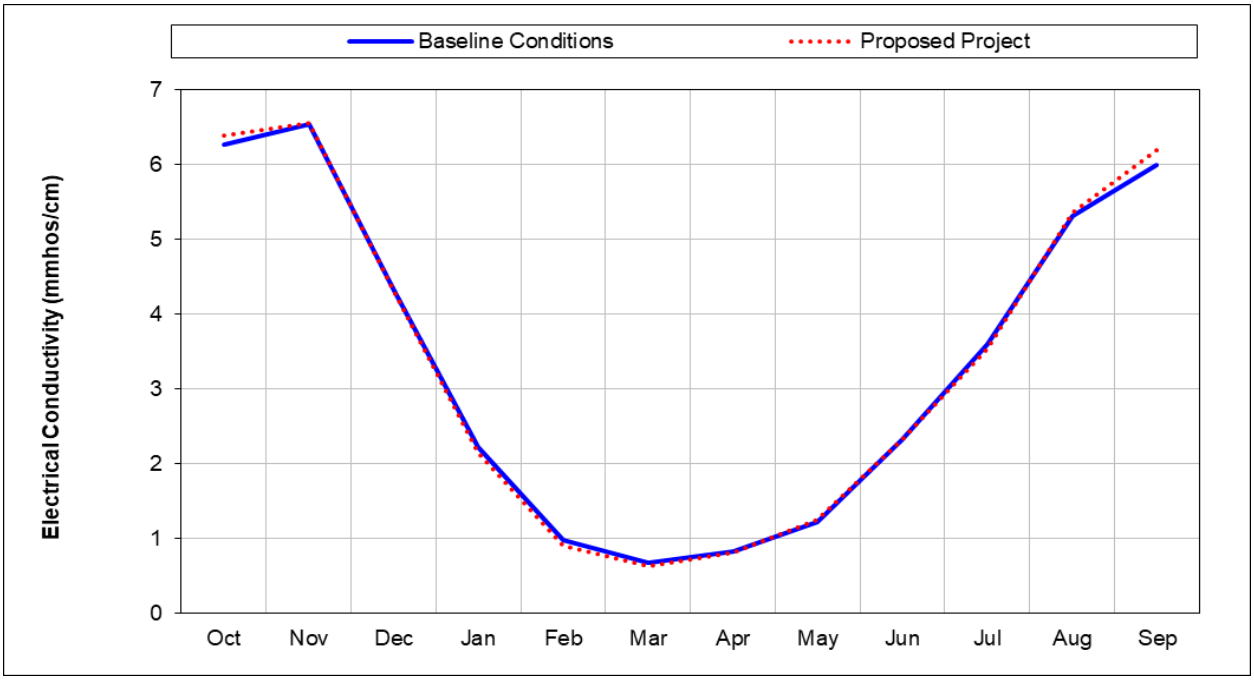

Figure 5B-14a. Sacramento River at Collinsville, Long term Monthly Average Electrical Conductivity (in millimhos per centimeter)

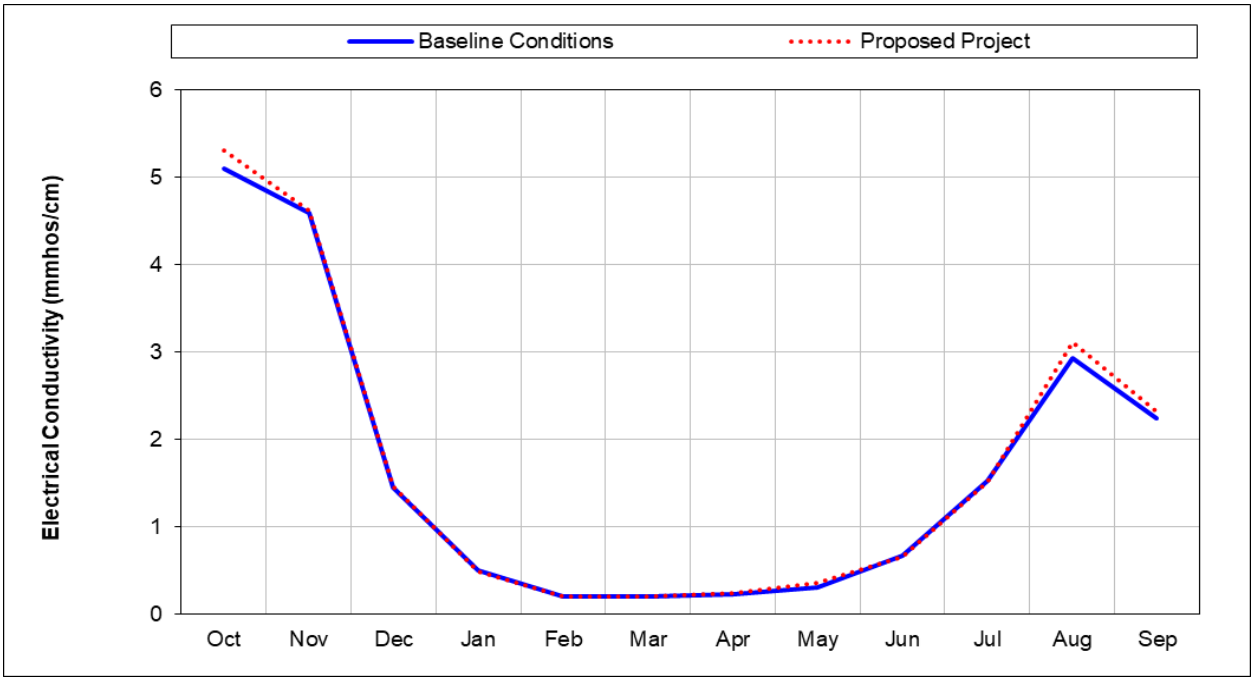

Figure 5B-14b. Sacramento River at Collinsville, Wet Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

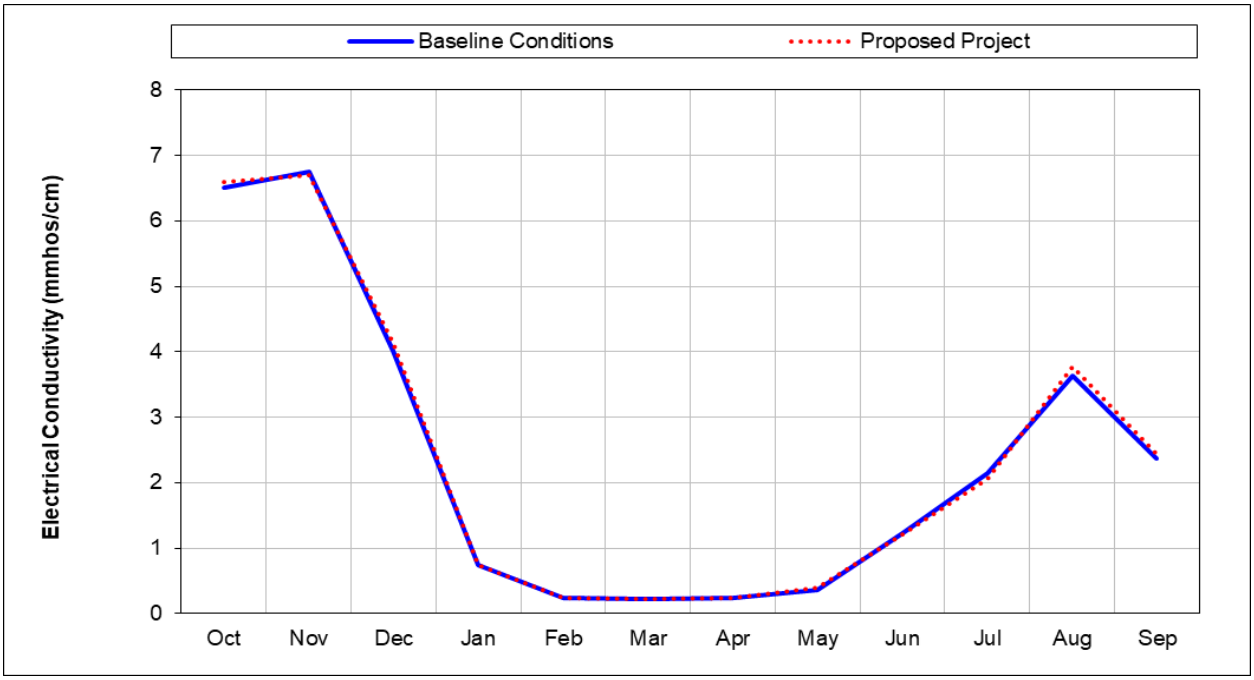

Figure 5B-14c. Sacramento River at Collinsville, Above Normal Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

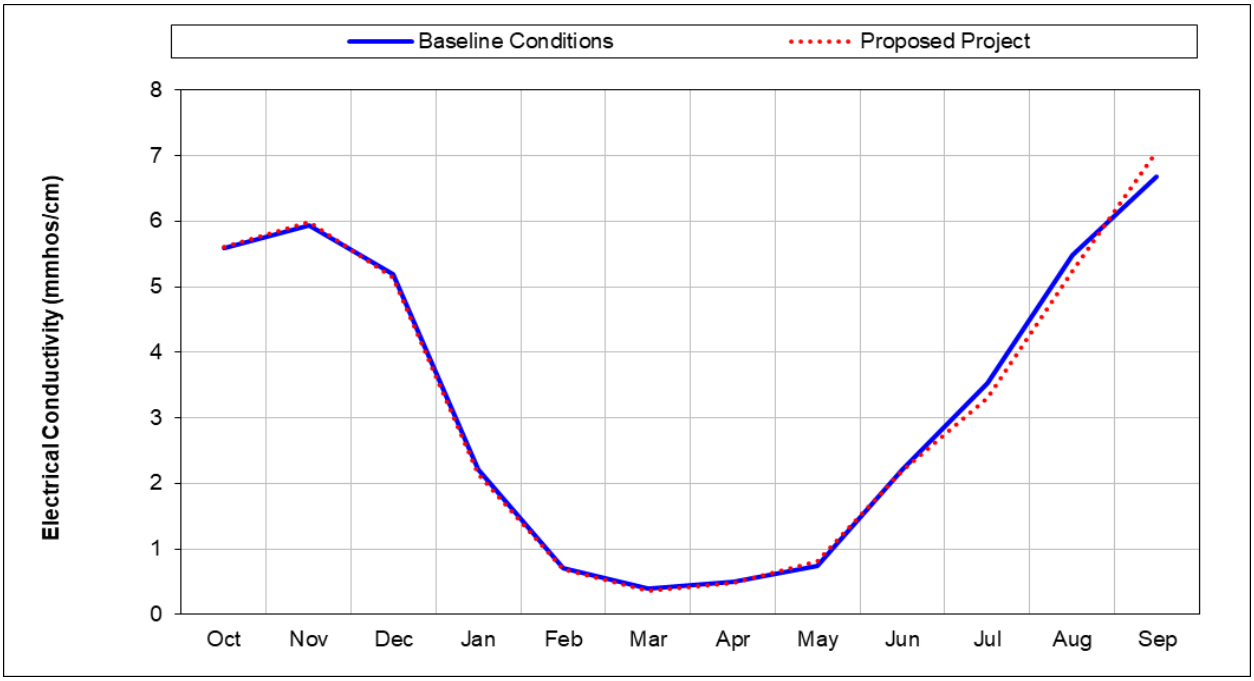

Figure 5B-14d. Sacramento River at Collinsville, Below Normal Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

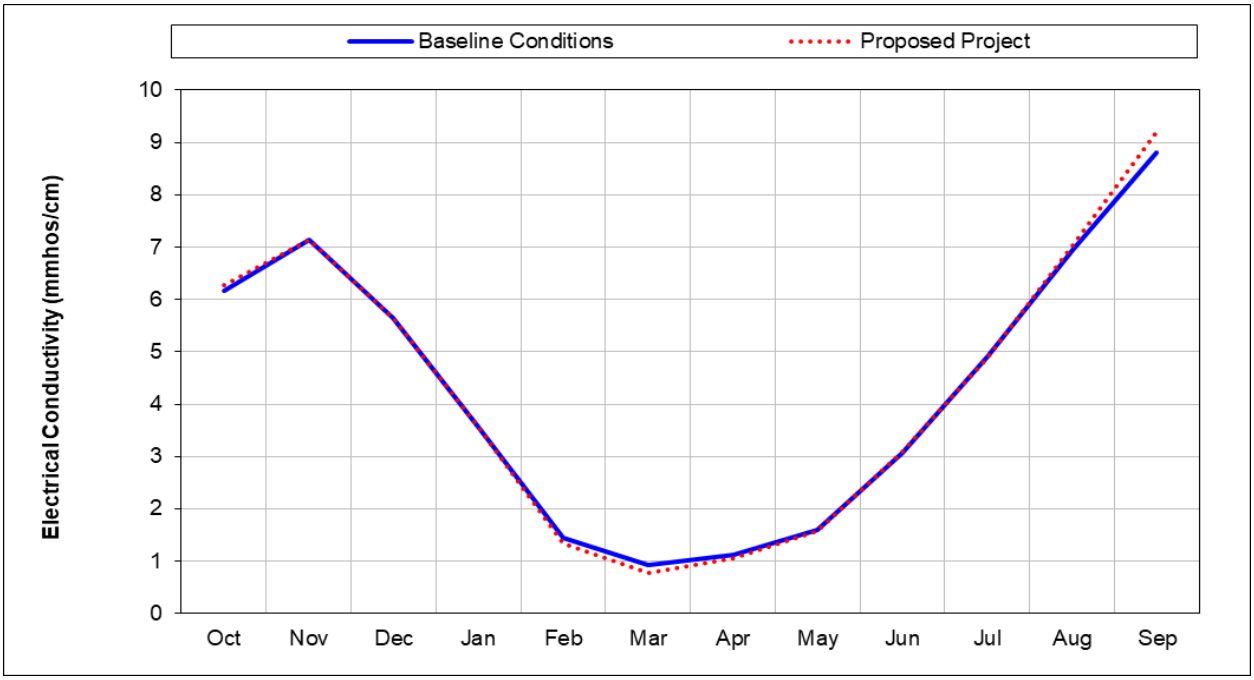

Figure 5B-14e. Sacramento River at Collinsville, Dry Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

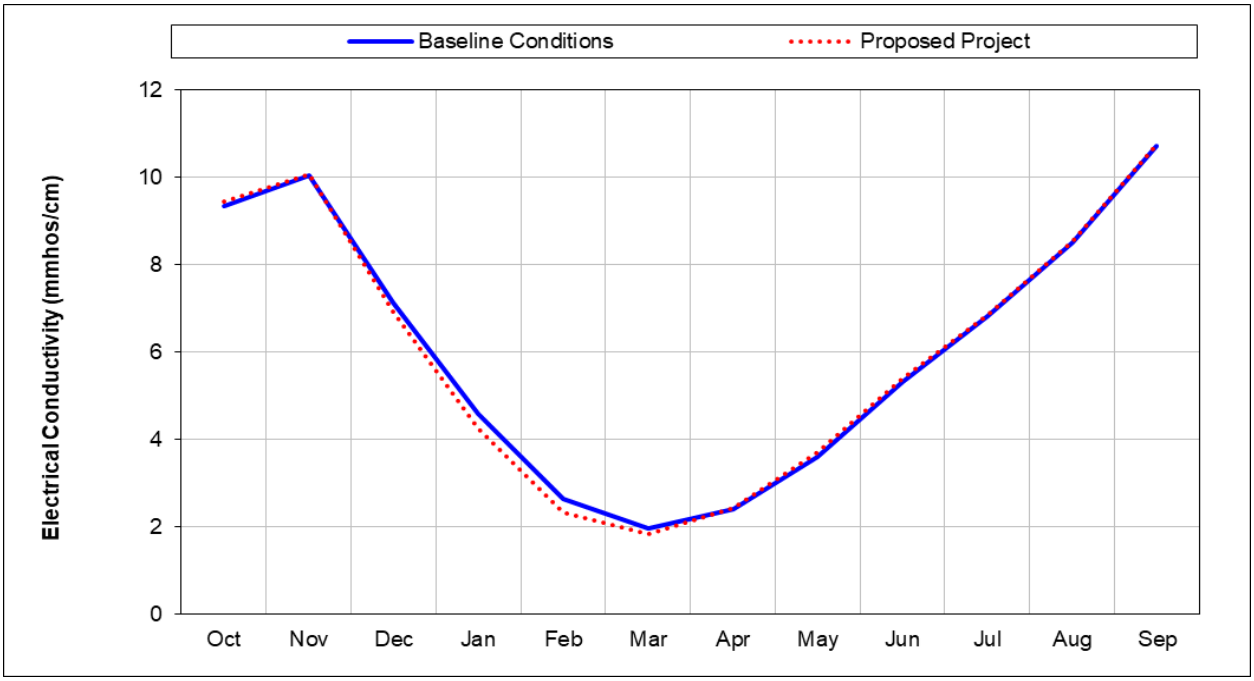

Figure 5B-14f. Sacramento River at Collinsville, Critical Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

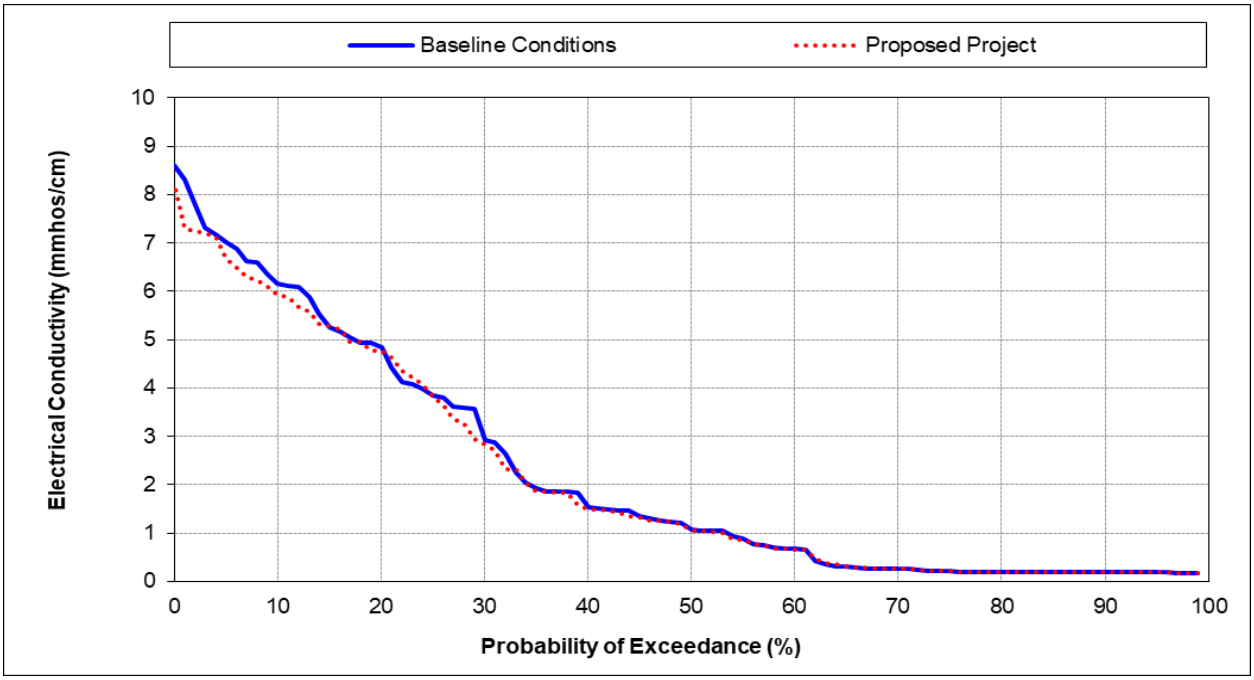

Figure 5B-14g. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), January

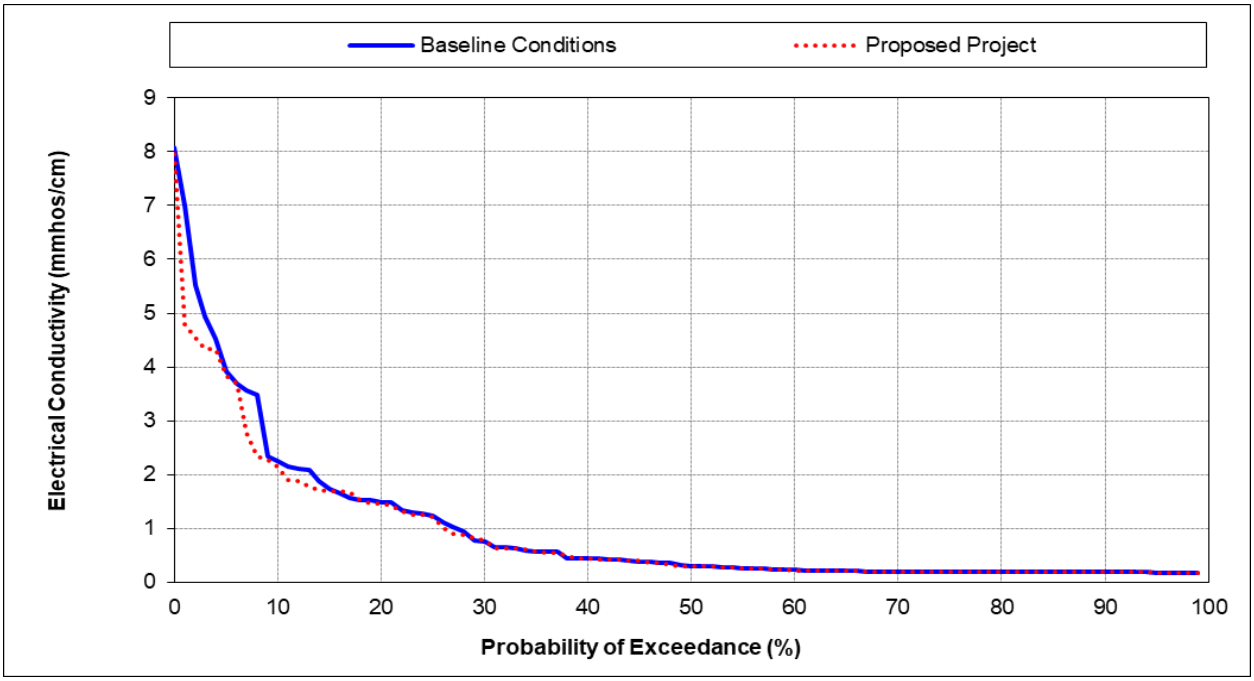

Figure 5B-14h. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), February

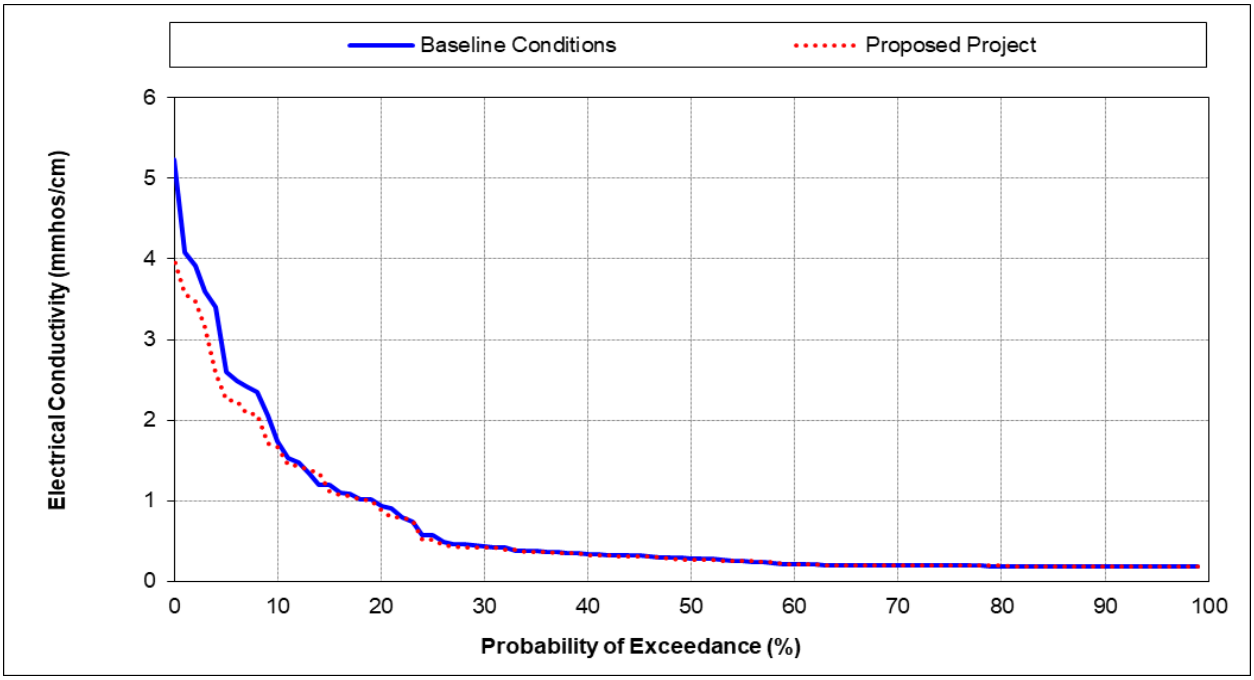

Figure 5B-14i. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), March

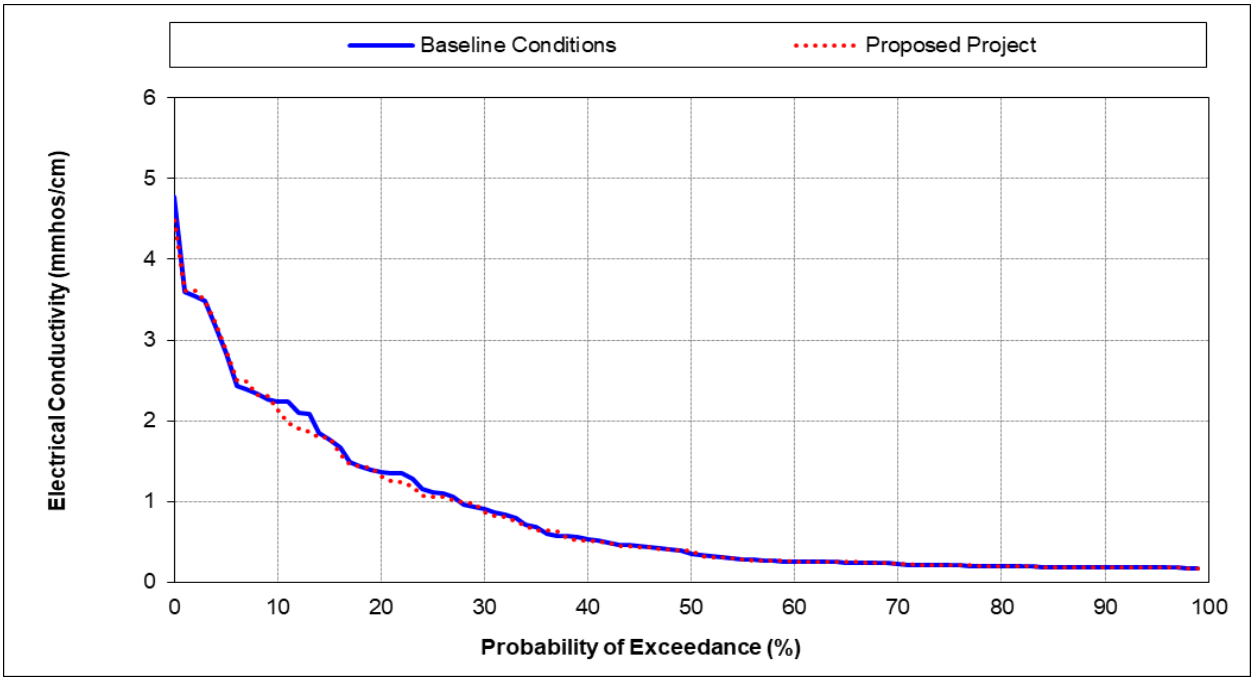

Figure 5B-14j. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), April

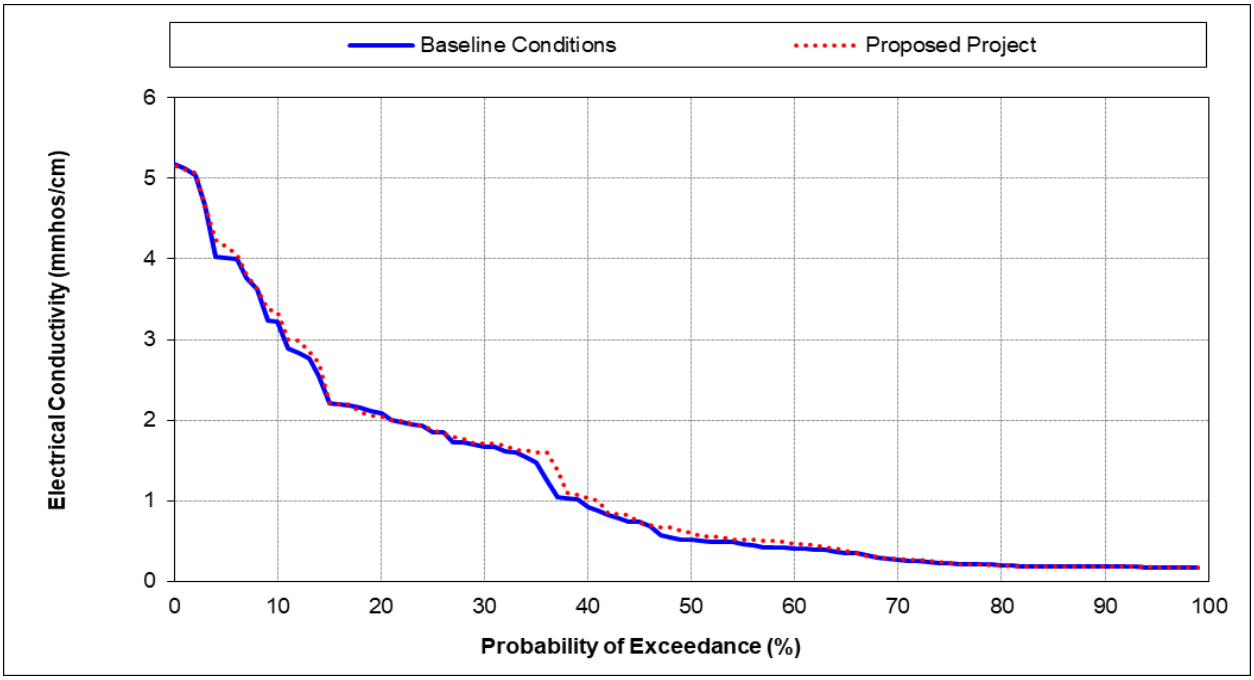

Figure 5B-14k. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), May

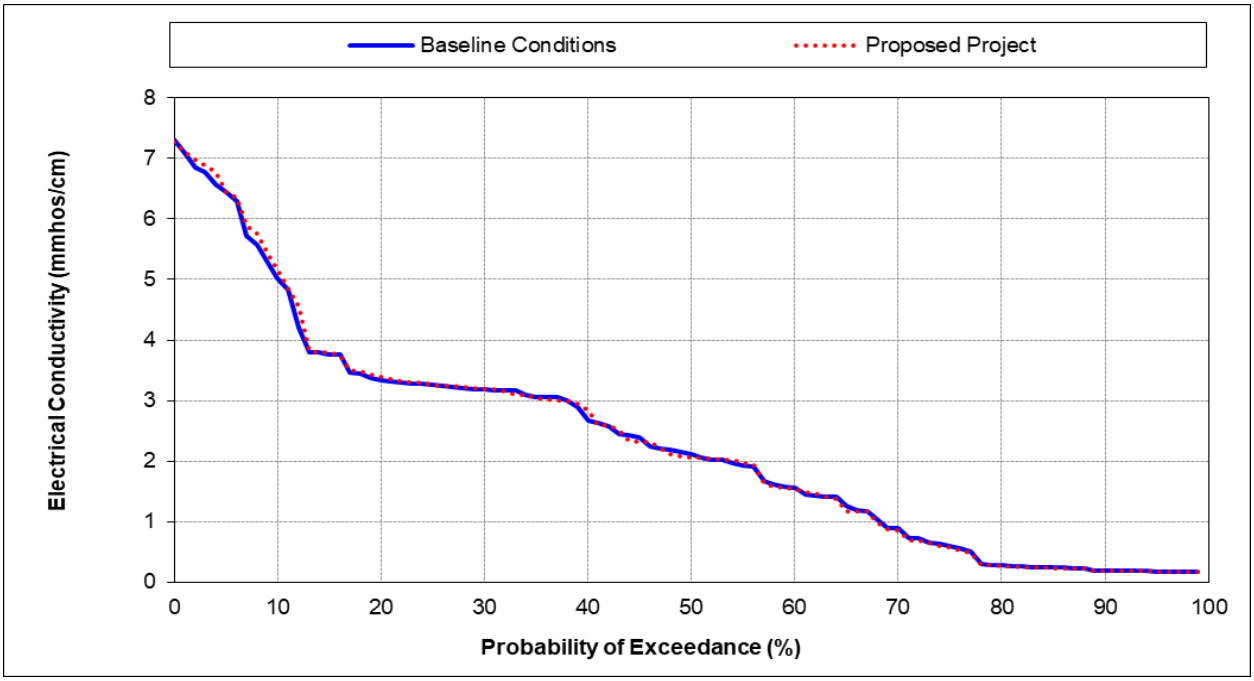

Figure 5B-14l. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), June

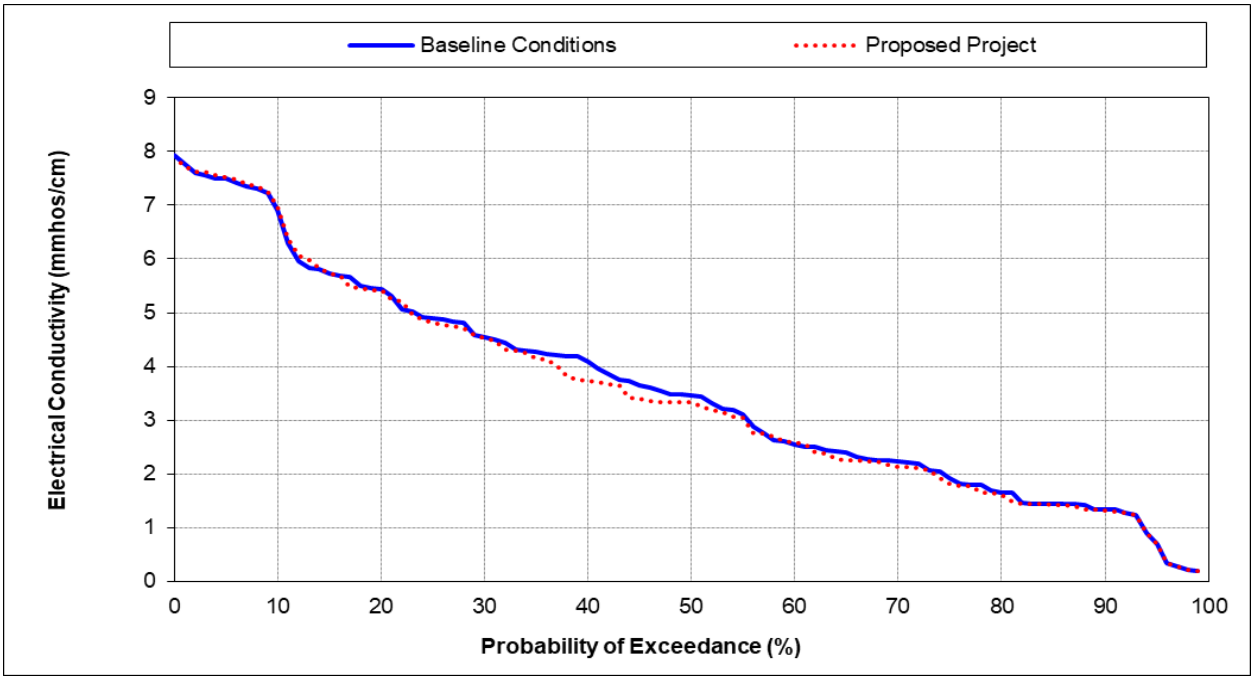

Figure 5B-14m. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), July

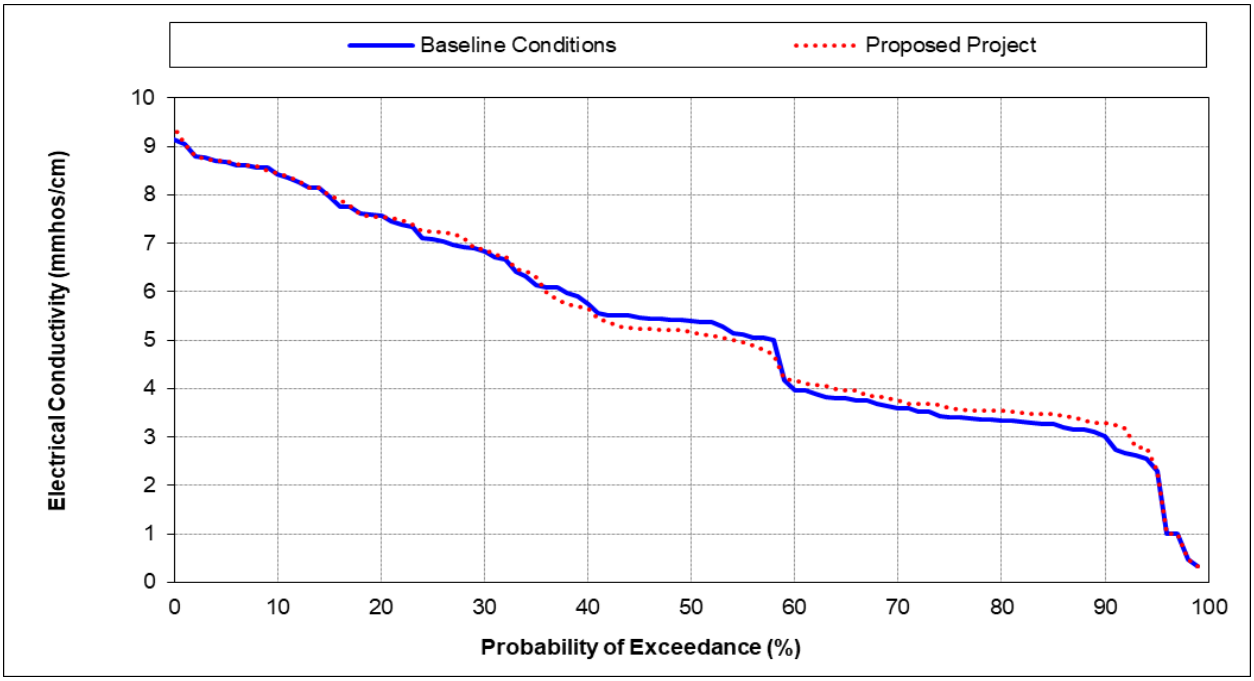

Figure 5B-14n. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), August

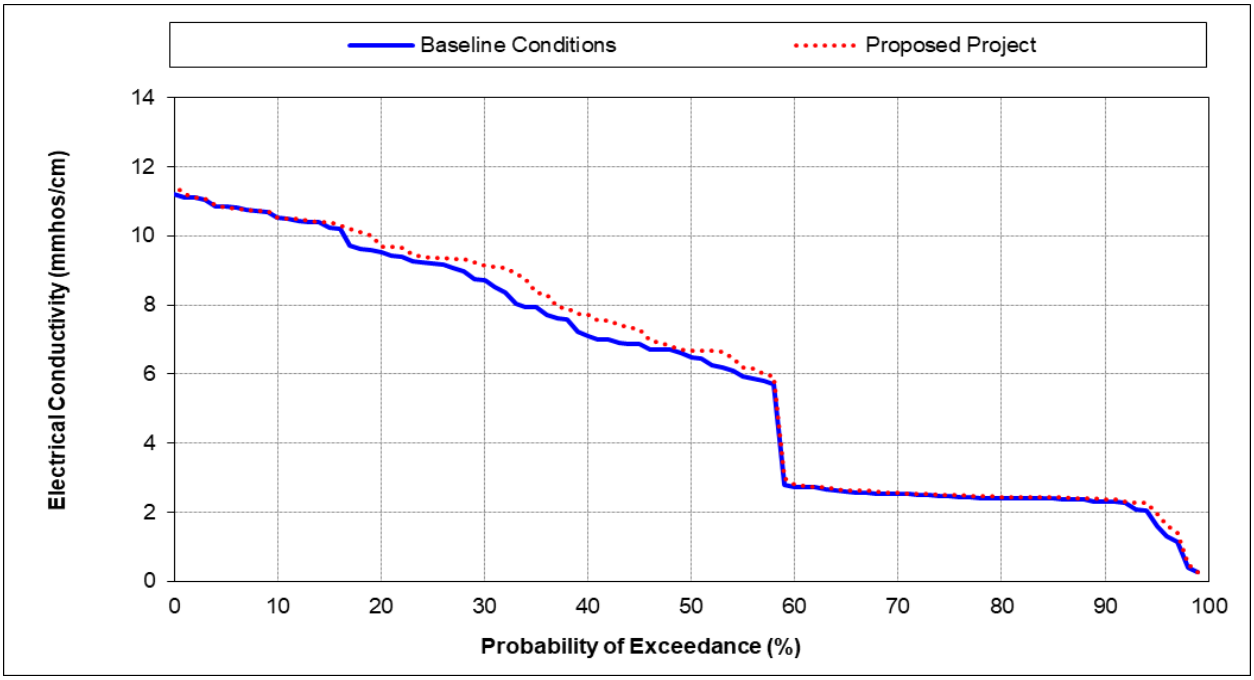

Figure 5B-14o. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), September

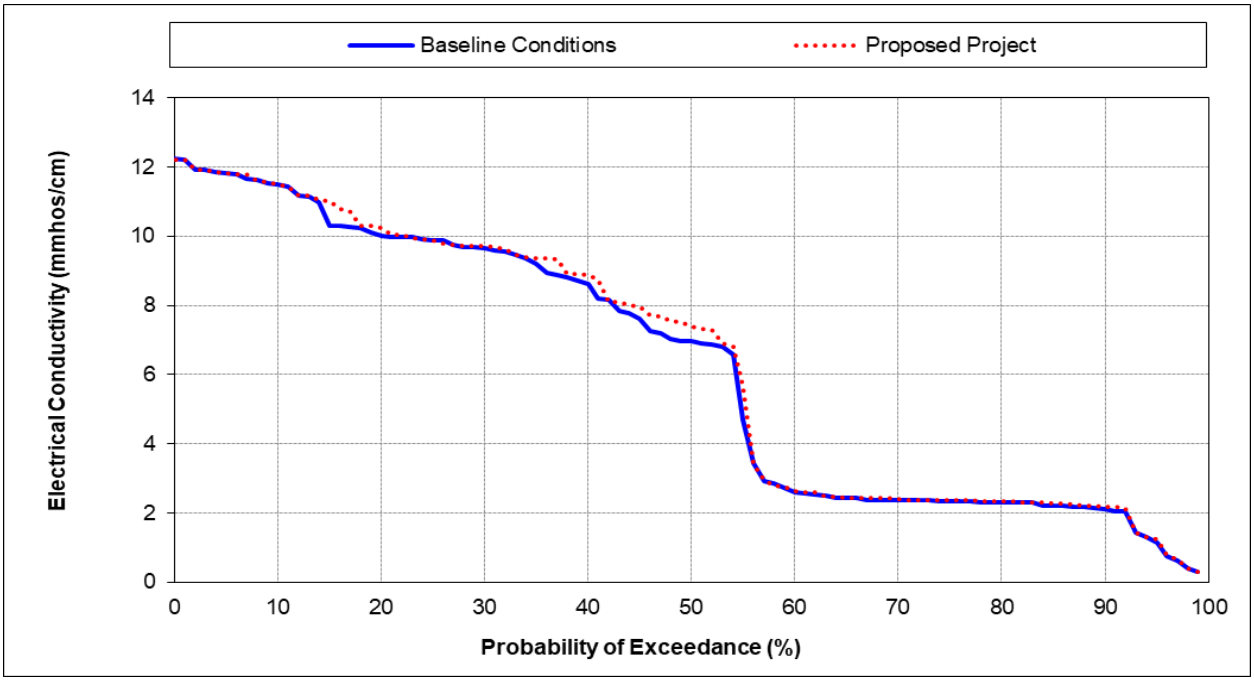

Figure 5B-14p. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), October

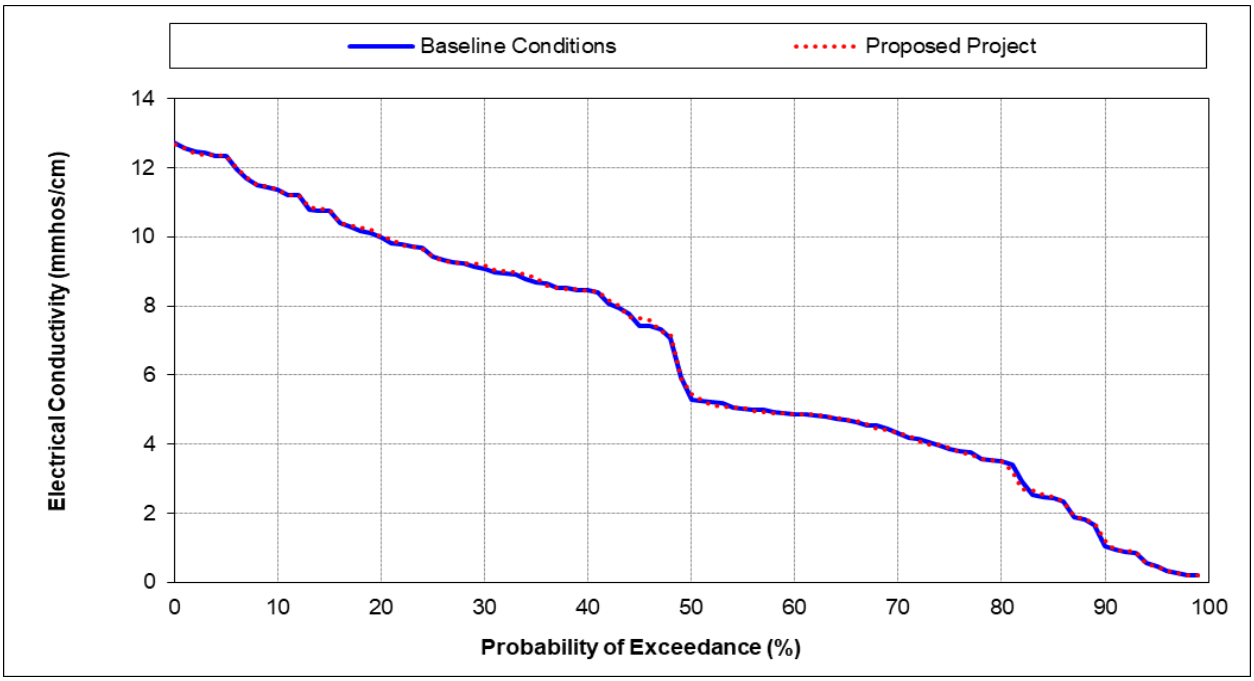

Figure 5B-14q. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), November

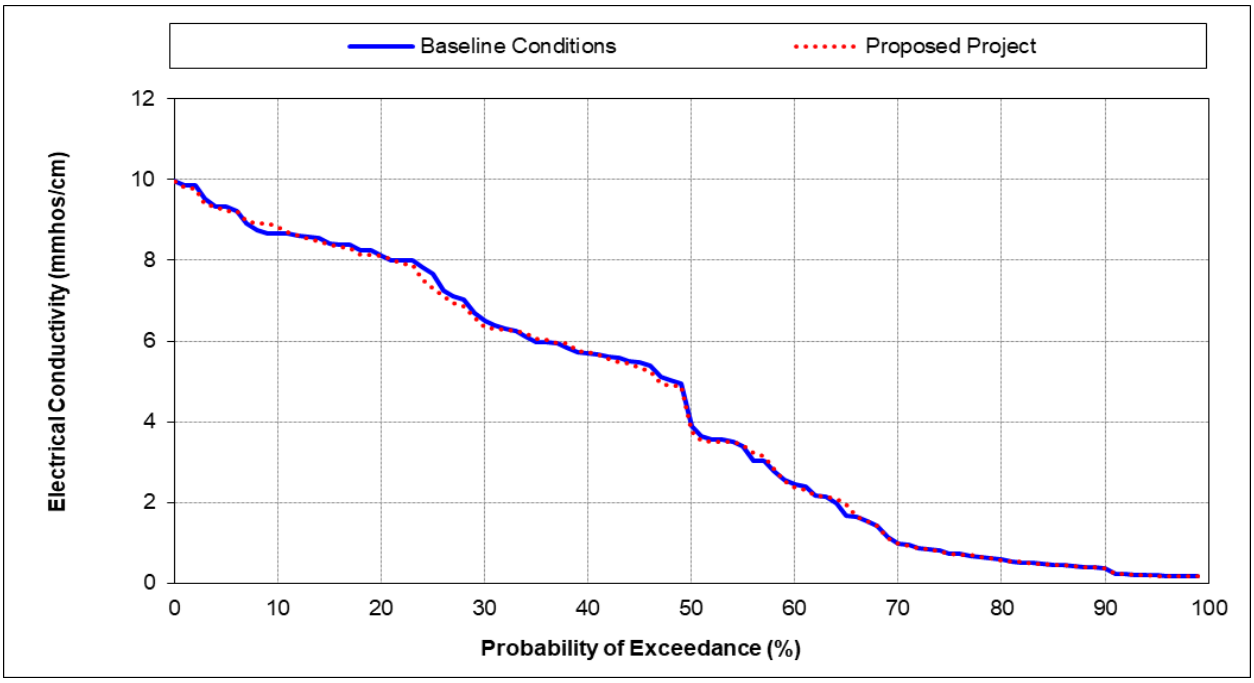

Figure 5B-14r. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), December

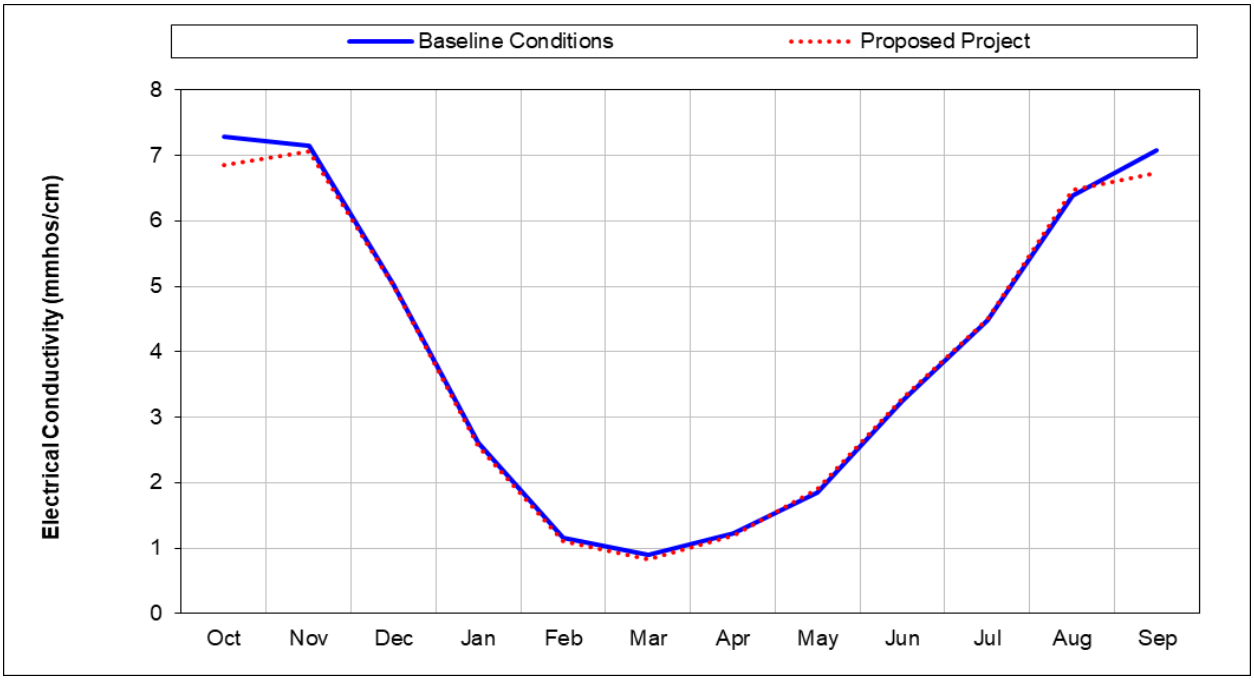

Figure 5B-15a. Montezuma Slough at National Steel, Long term Monthly Average Electrical Conductivity (in millimhos per centimeter)

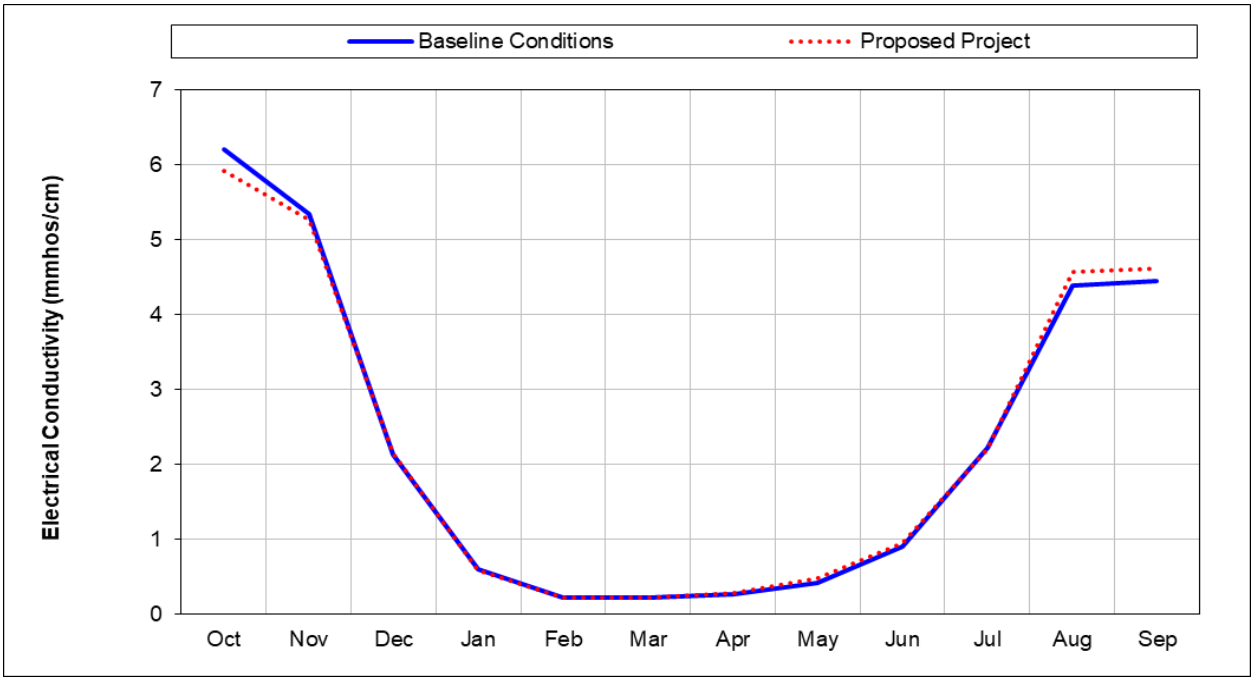

Figure 5B-15b. Montezuma Slough at National Steel, Wet Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

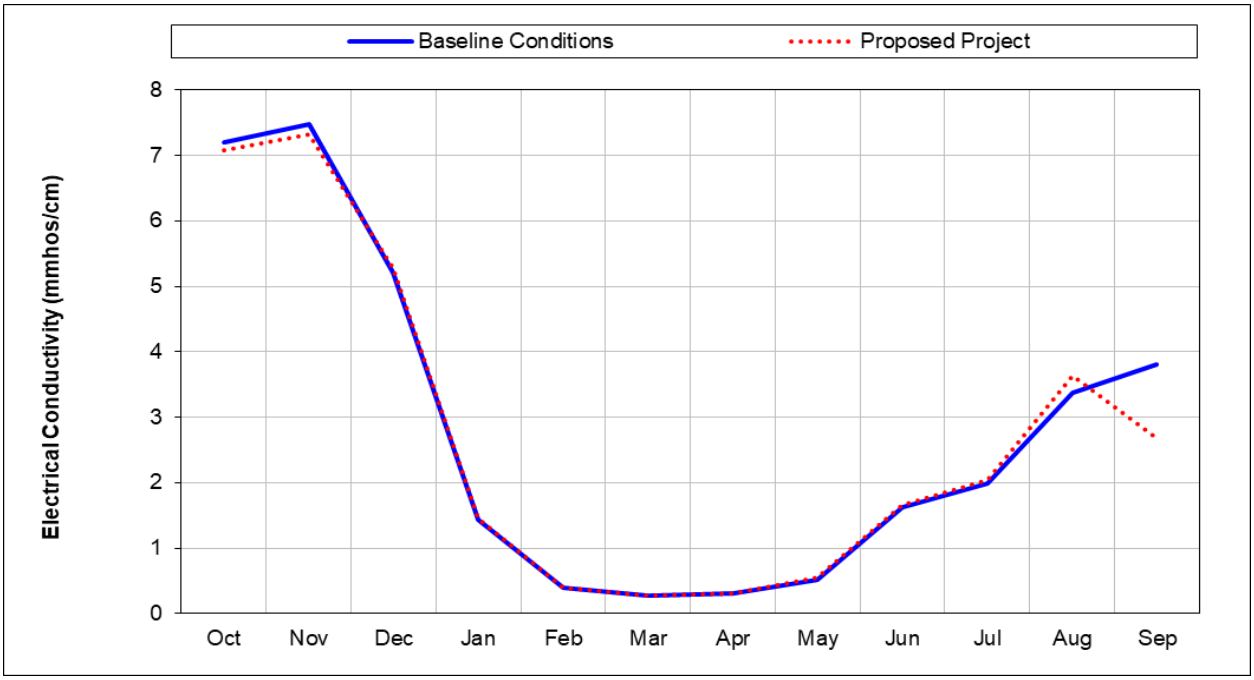

Figure 5B-15c. Montezuma Slough at National Steel, Above Normal Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

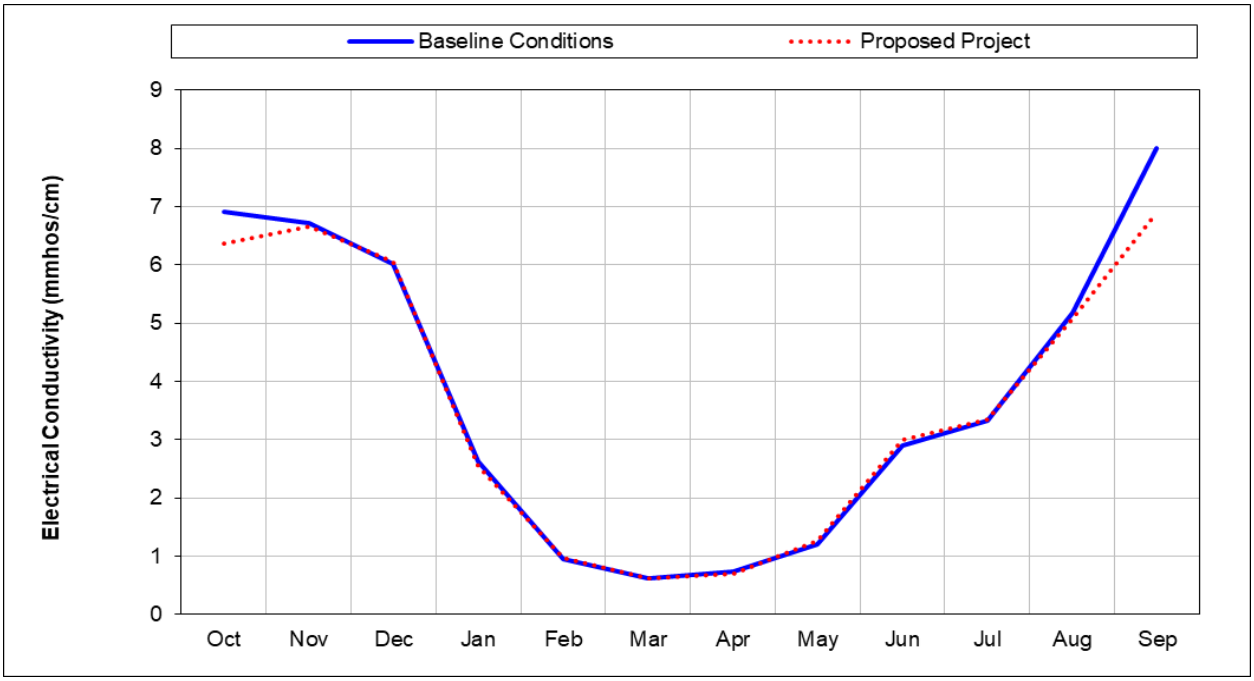

Figure 5B-15d. Montezuma Slough at National Steel, Below Normal Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

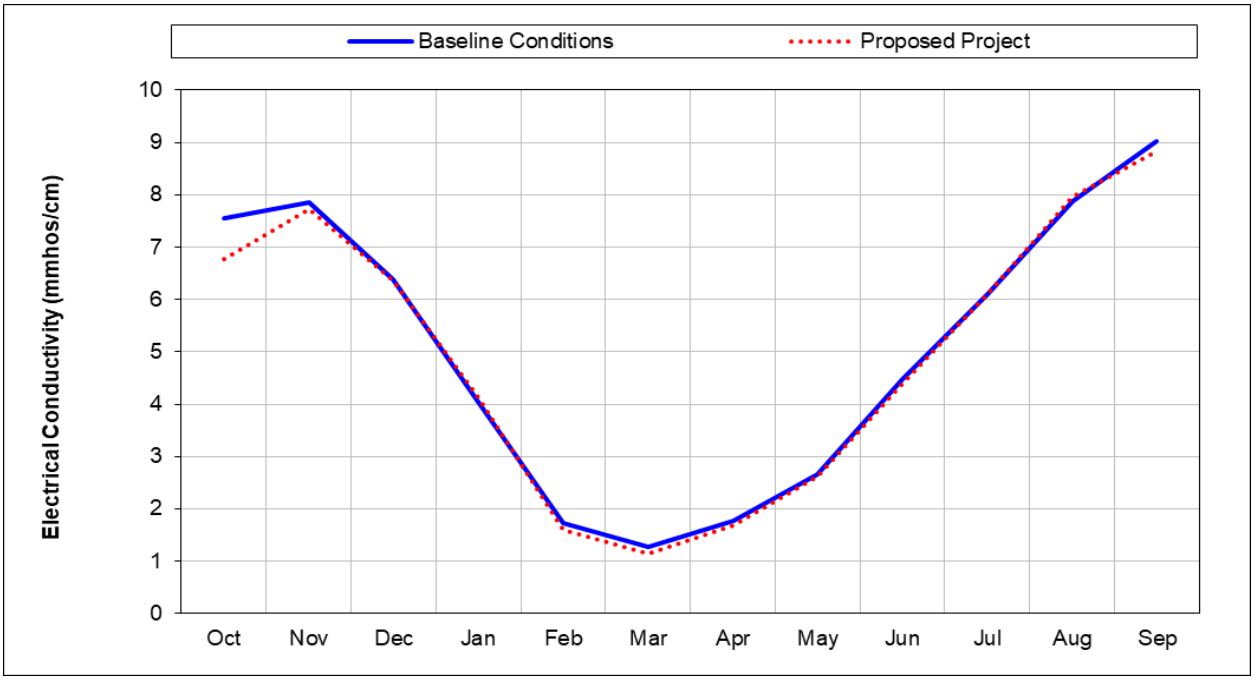

Figure 5B-15e. Montezuma Slough at National Steel, Dry Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

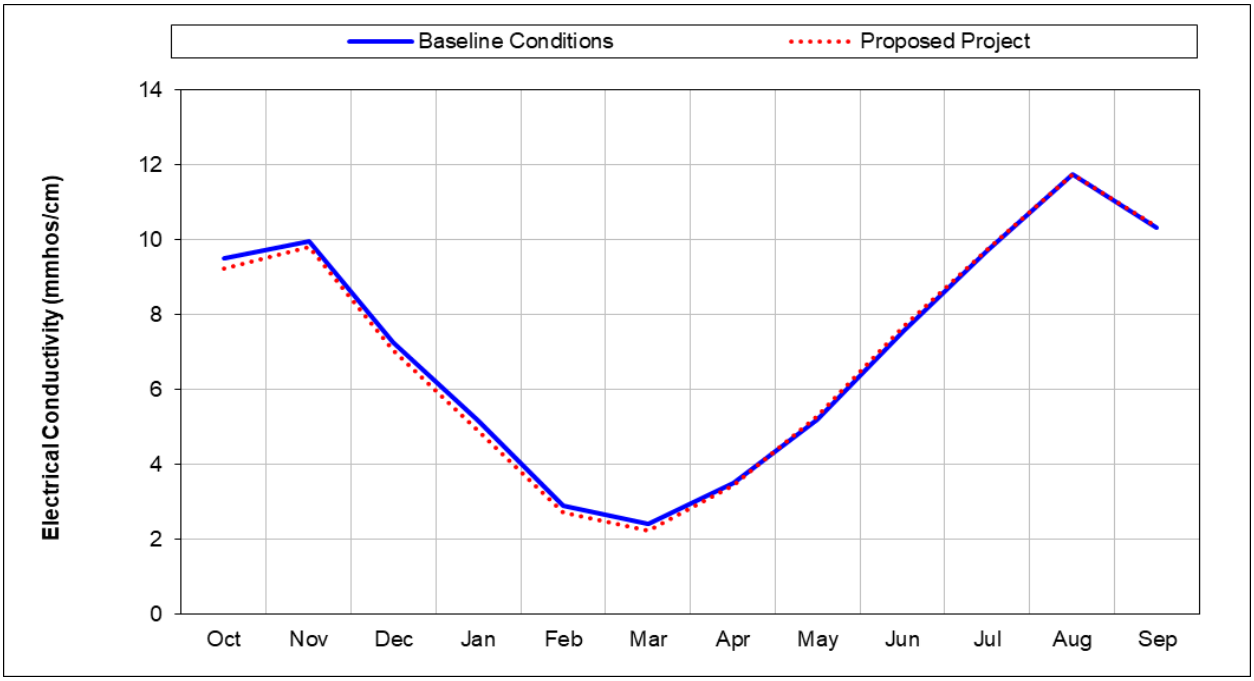

Figure 5B-15f. Montezuma Slough at National Steel, Critical Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

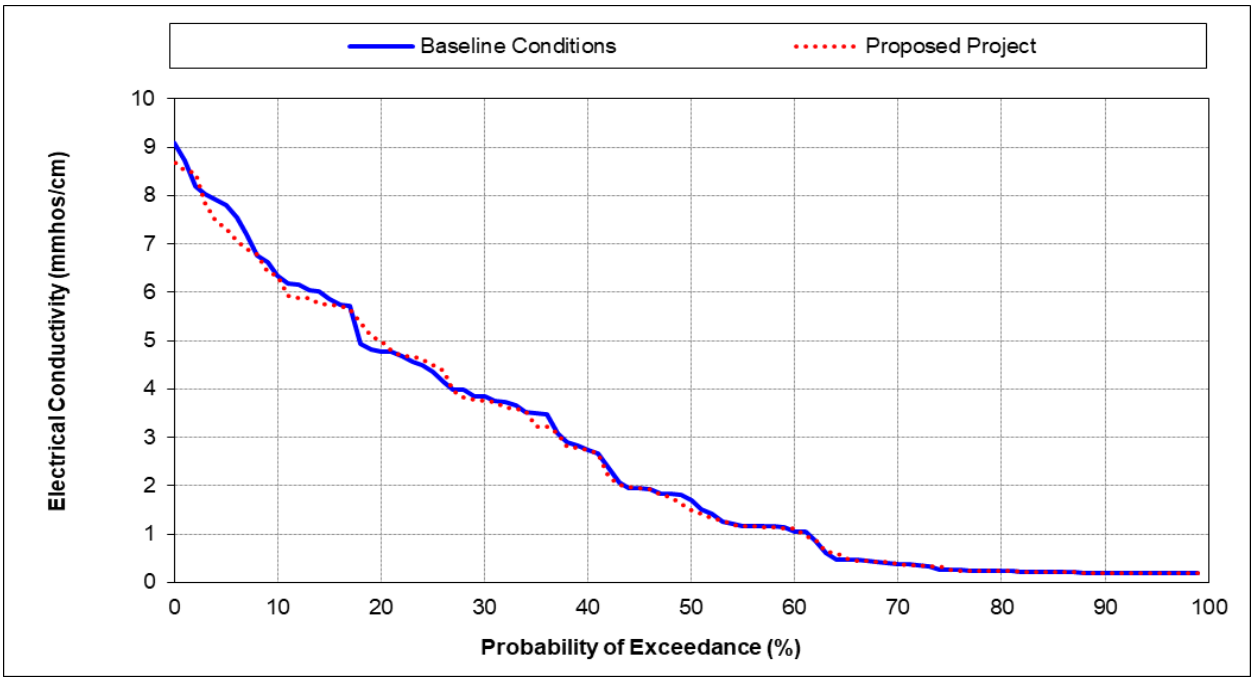

Figure 5B-15g. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), January

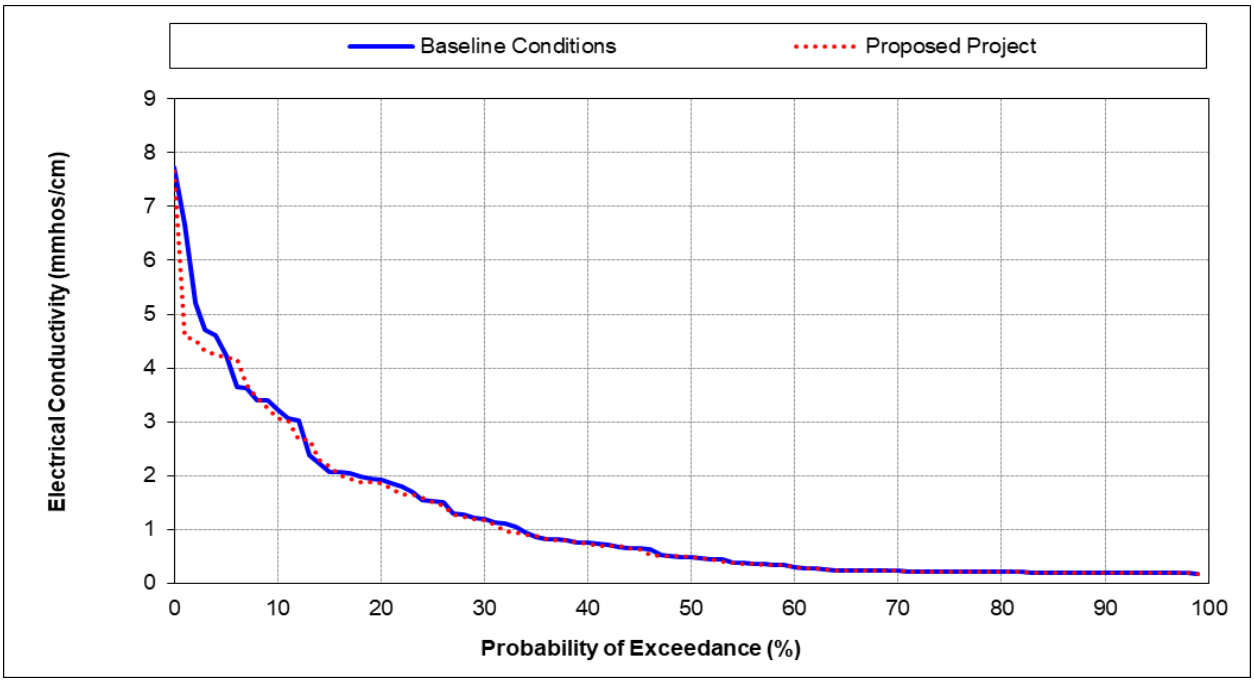

Figure 5B-15h. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), February

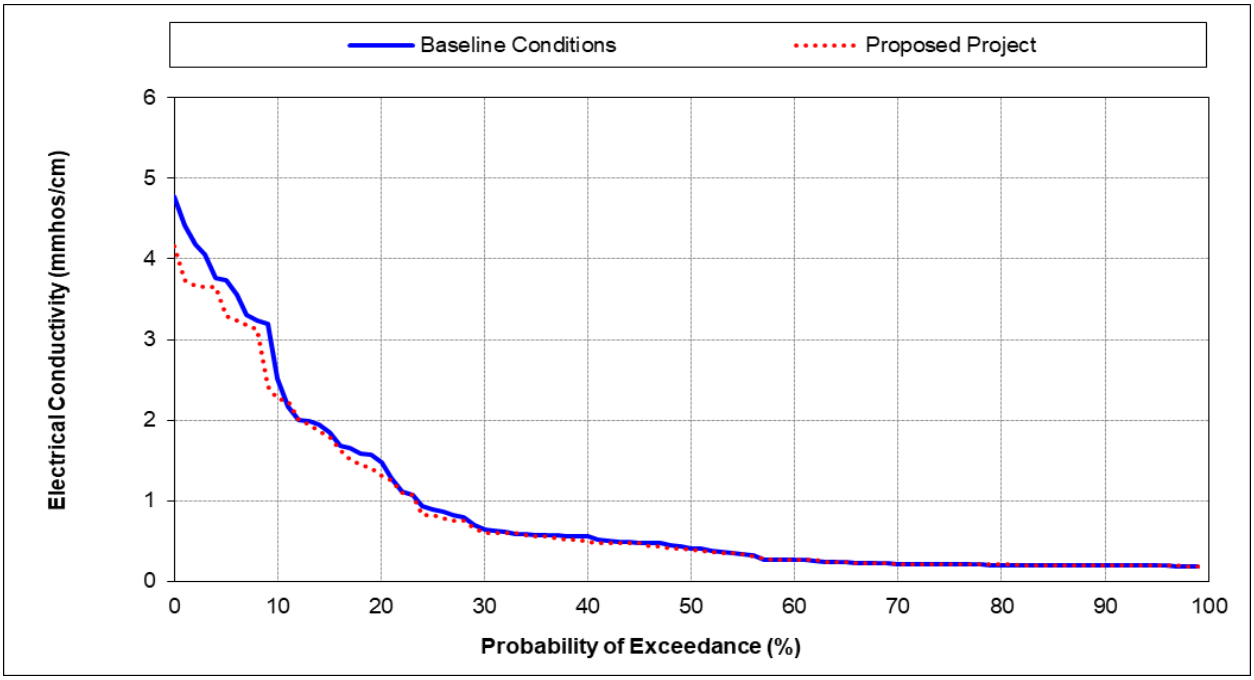

Figure 5B-15i. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), March

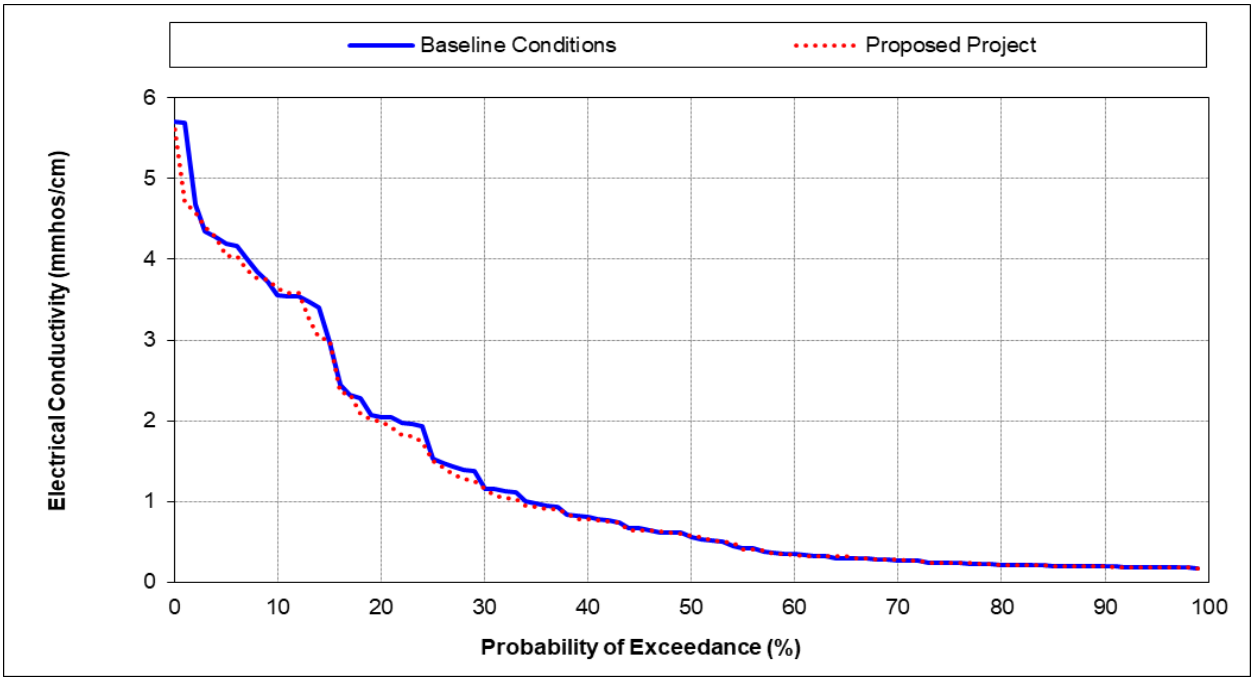

Figure 5B-15j. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), April

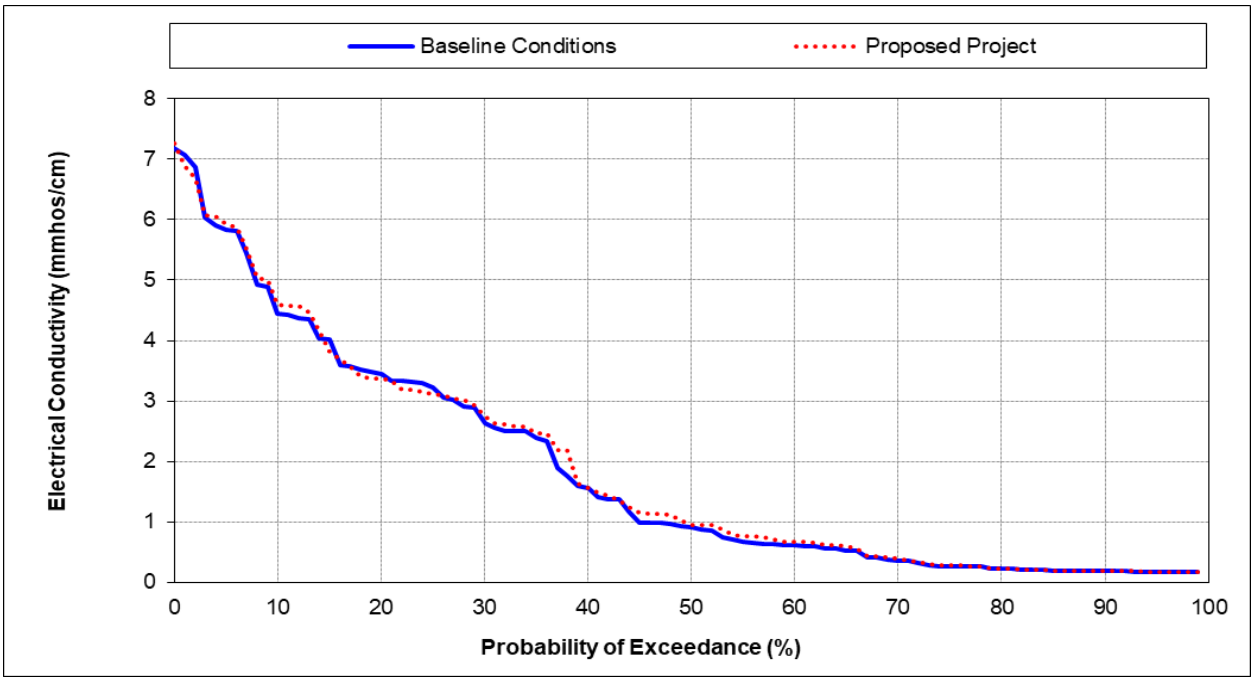

Figure 5B-15k. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), May

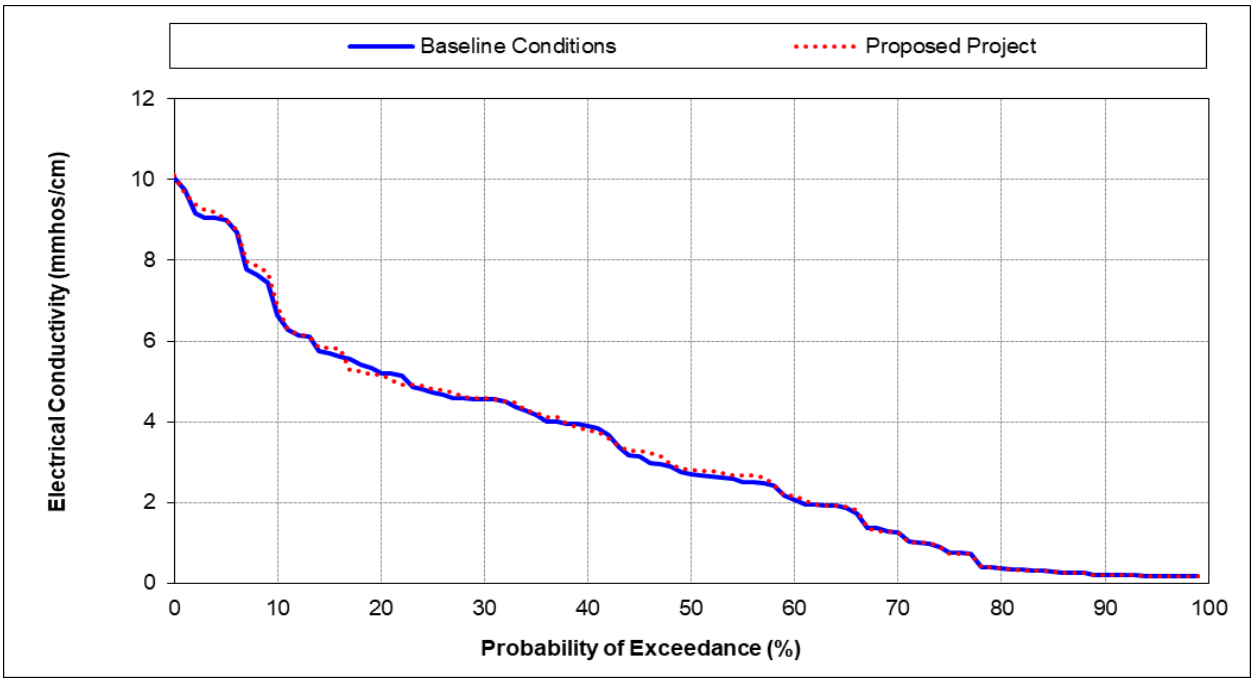

Figure 5B-15l. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), June

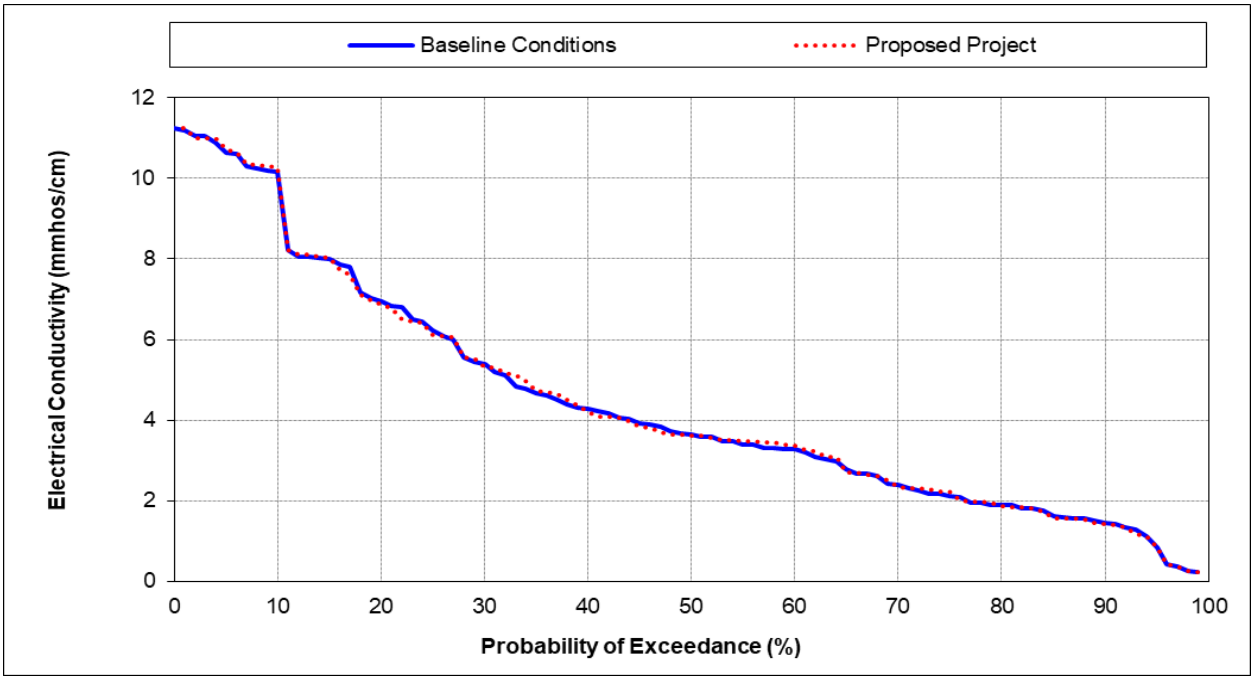

Figure 5B-15m. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), July

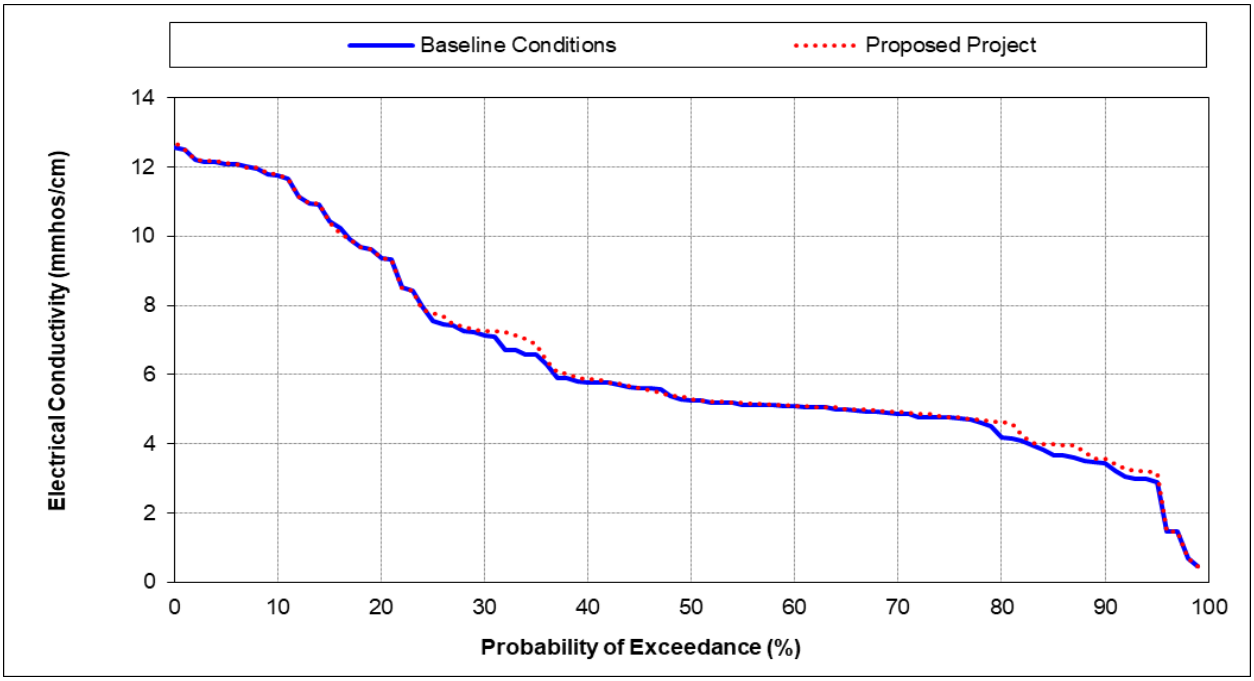

Figure 5B-15n. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), August

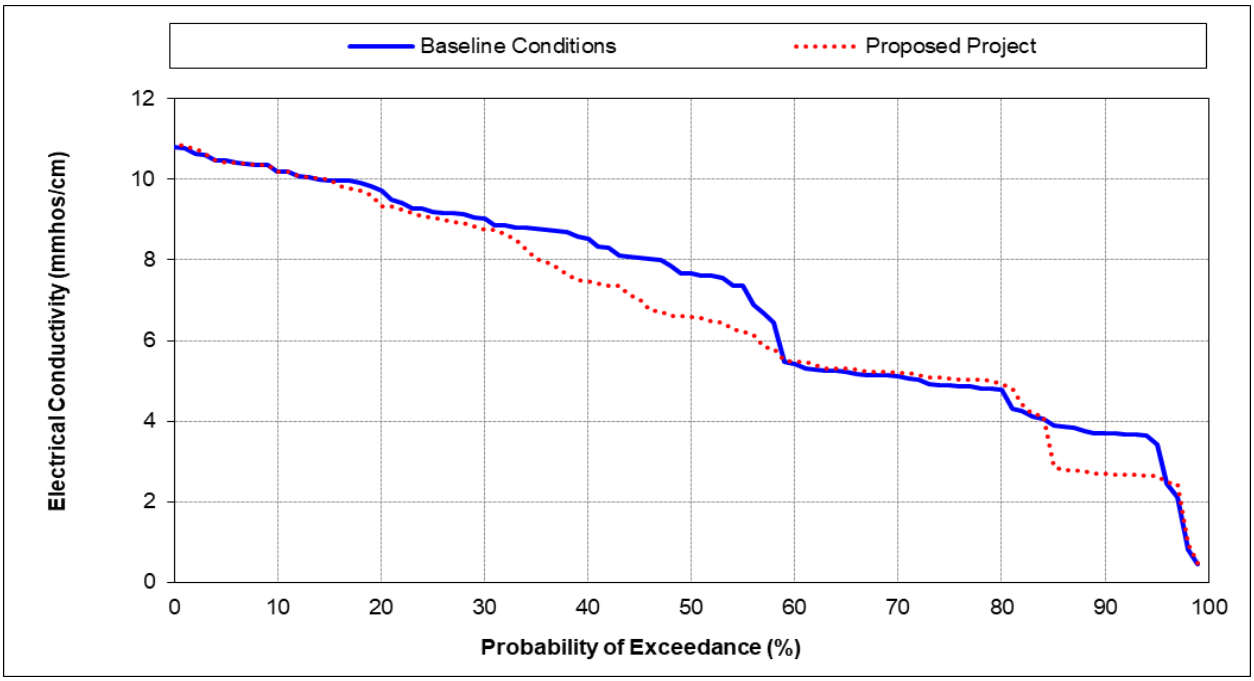

Figure 5B-15o. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), September

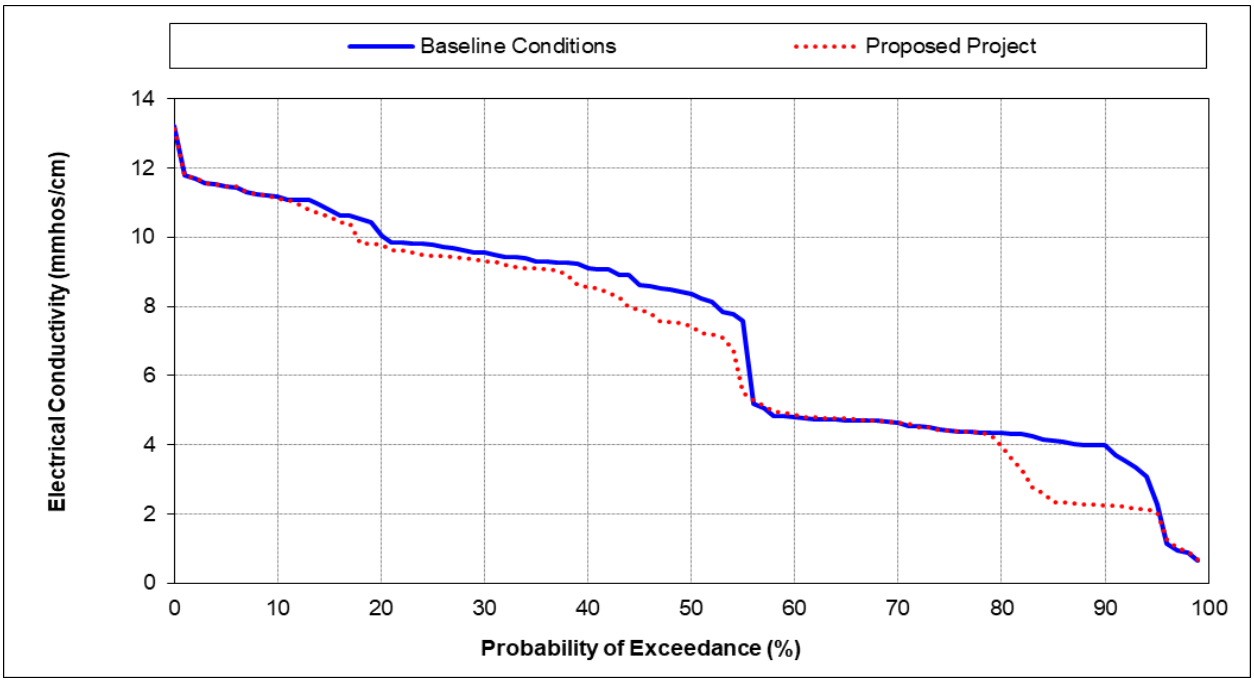

Figure 5B-15p. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), October

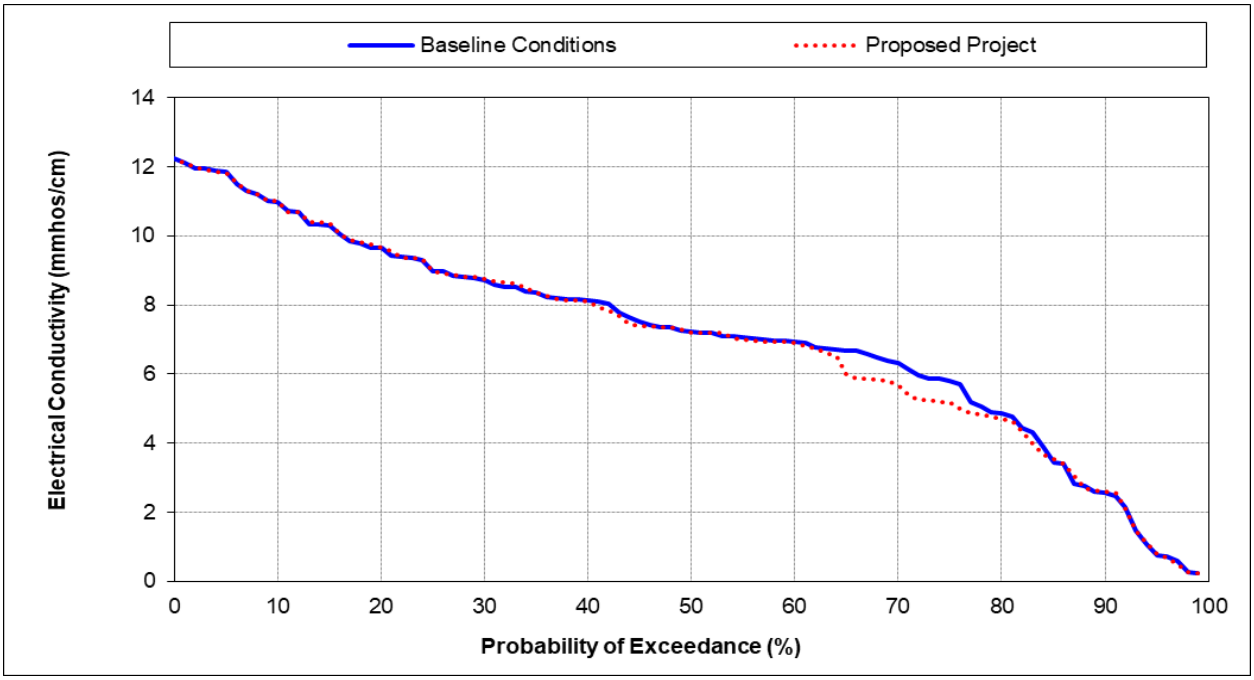

Figure 5B-15q. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), November

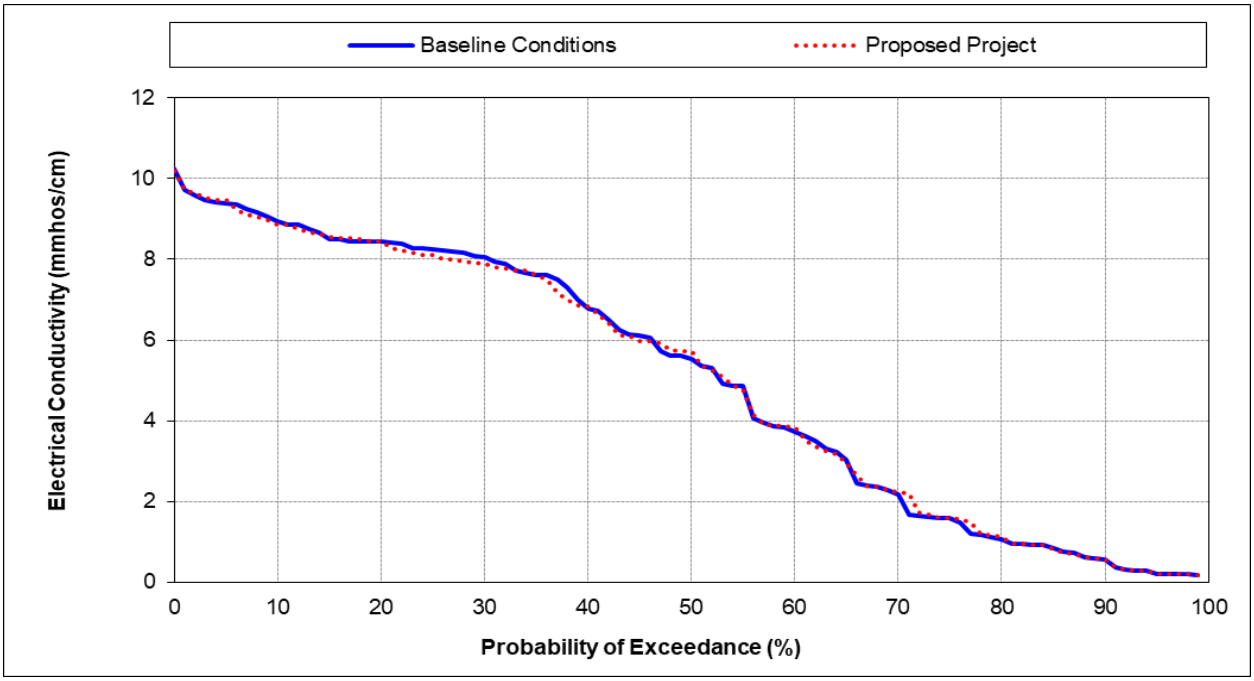

Figure 5B-15r. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), December

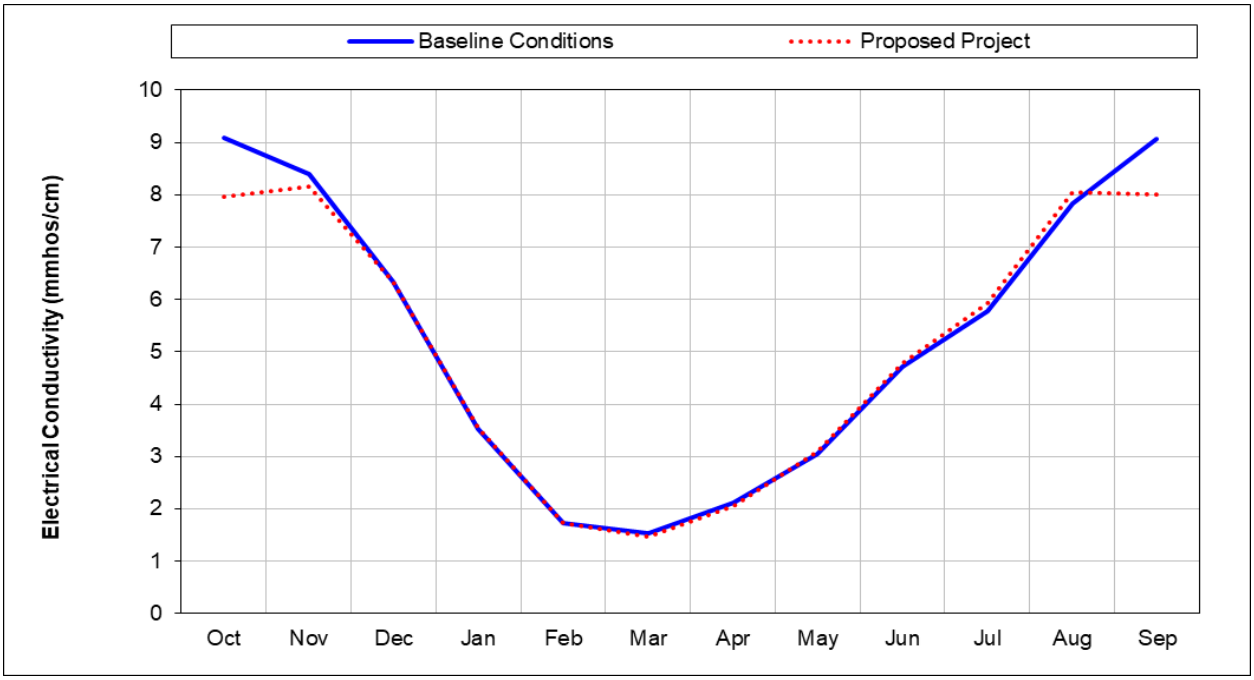

Figure 5B-16a. Montezuma Slough near Beldon Landing, Long term Monthly Average Electrical Conductivity (in millimhos per centimeter)

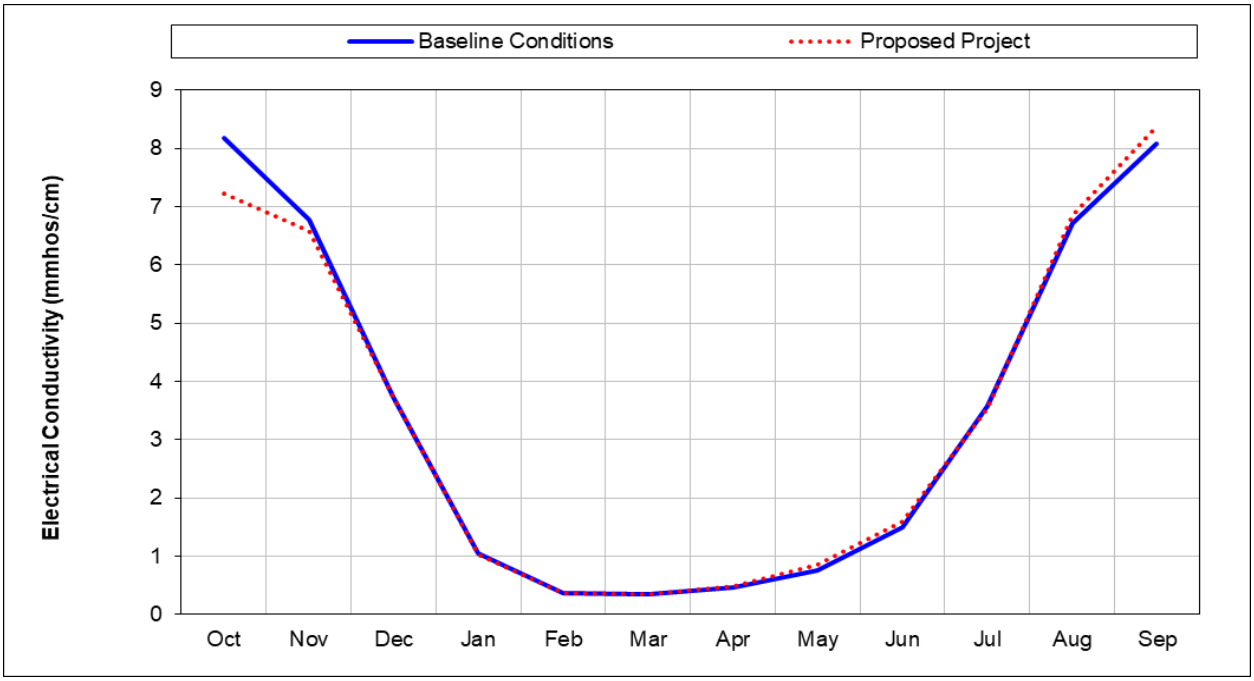

Figure 5B-16b. Montezuma Slough near Beldon Landing, Wet Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

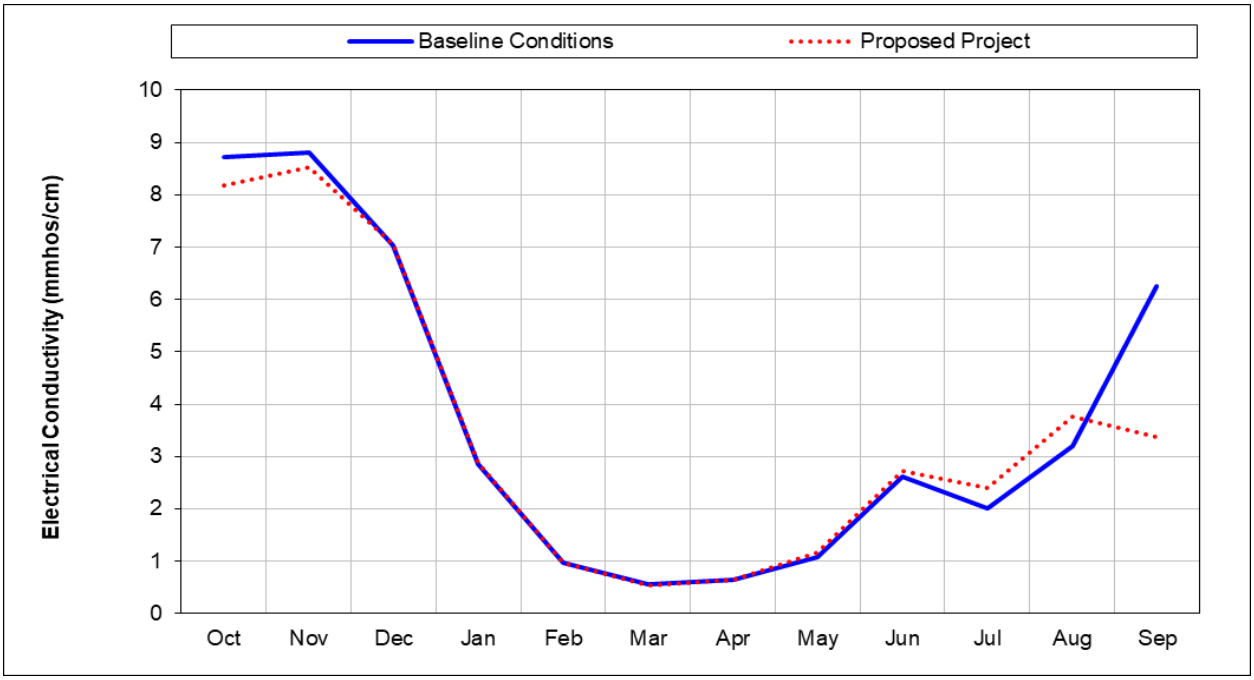

Figure 5B-16c. Montezuma Slough near Beldon Landing, Above Normal Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

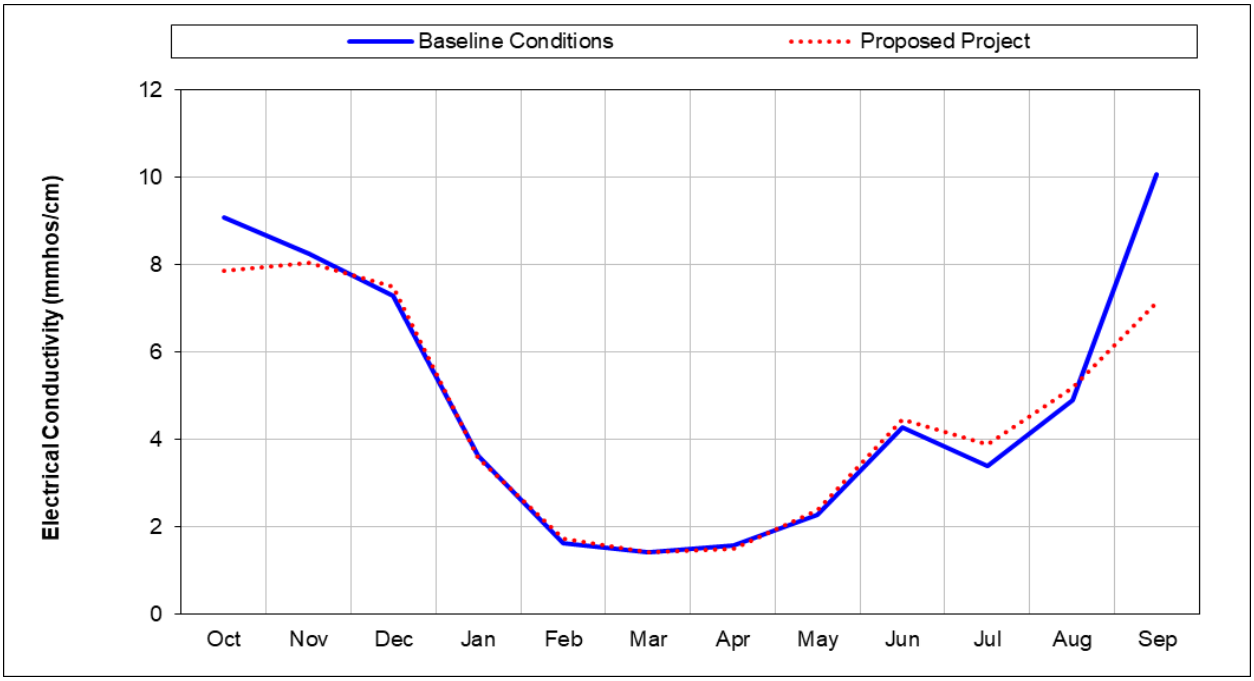

Figure 5B-16d. Montezuma Slough near Beldon Landing, Below Normal Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

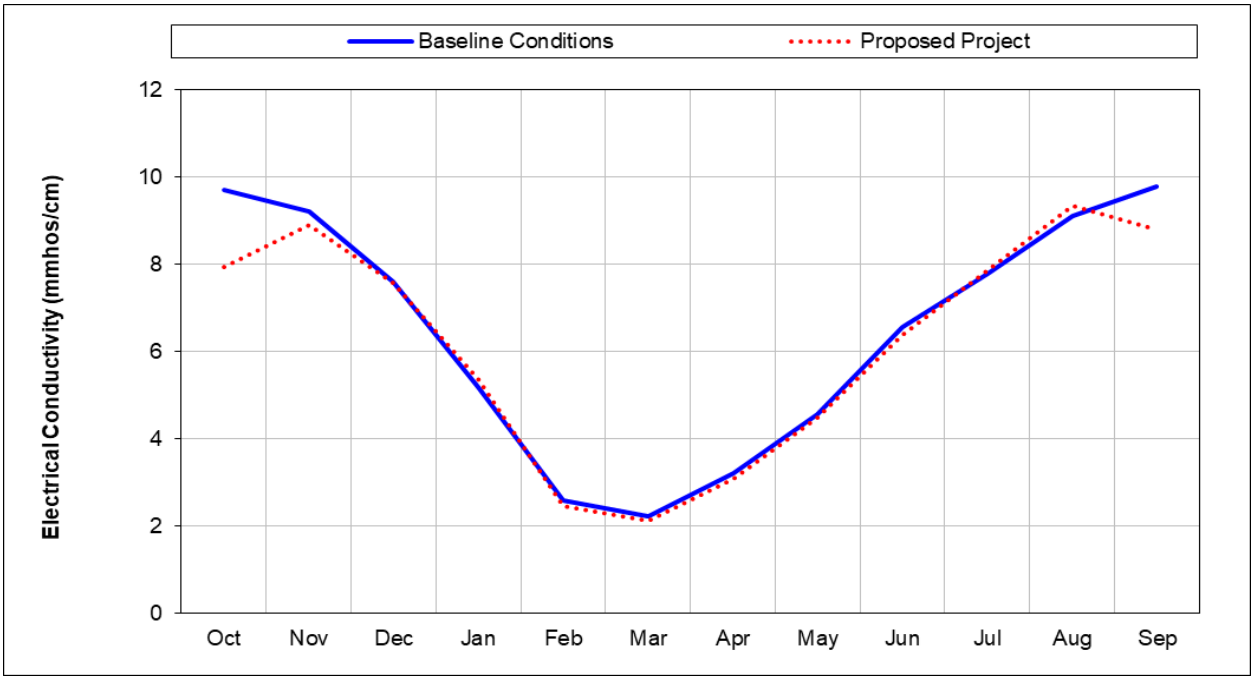

Figure 5B-16e. Montezuma Slough near Beldon Landing, Dry Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

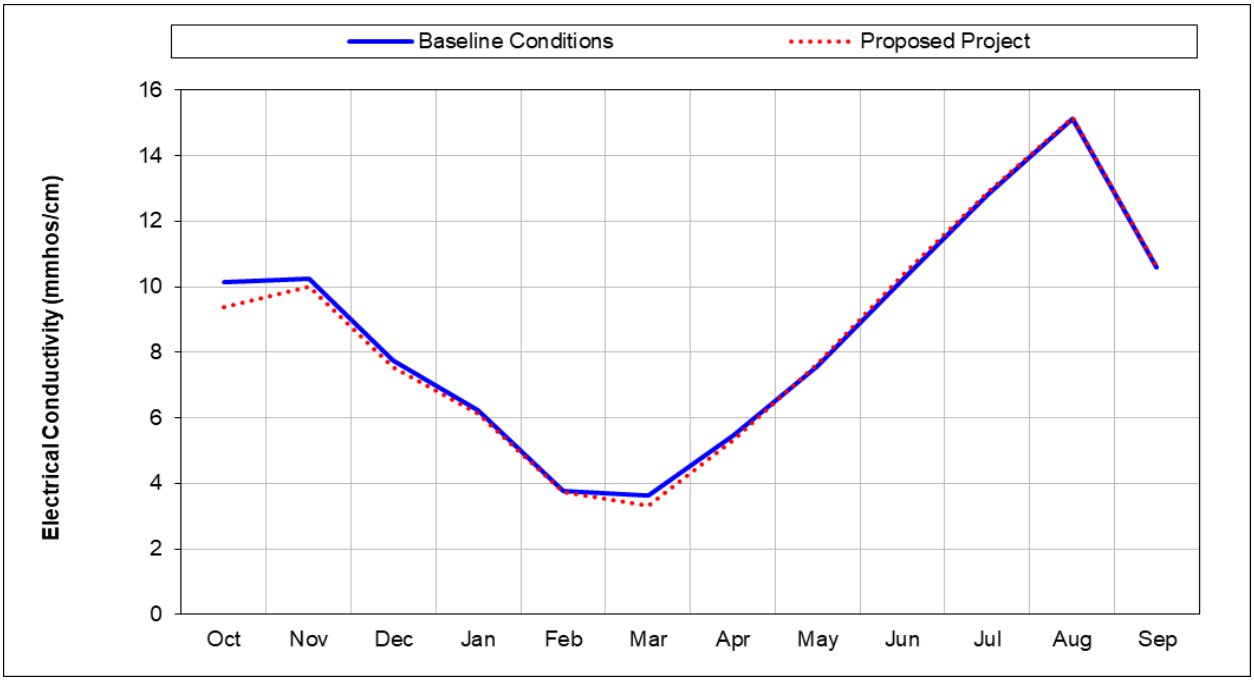

Figure 5B-16f. Montezuma Slough near Beldon Landing, Critical Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

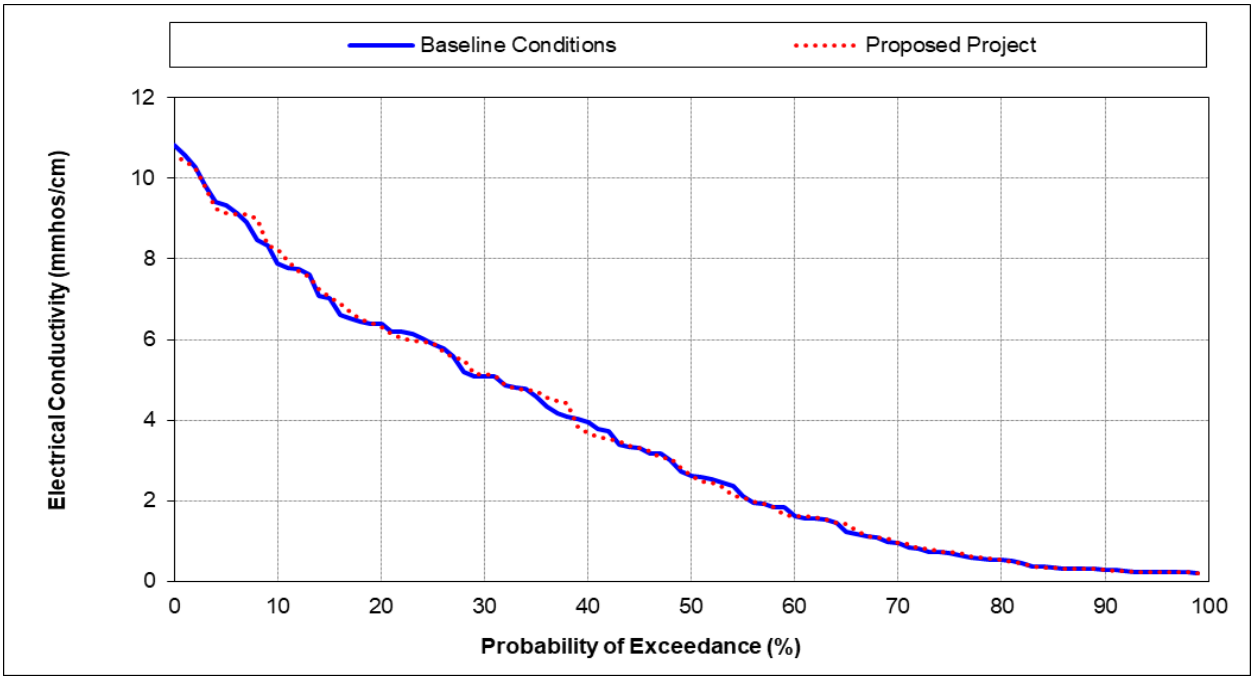

Figure 5B-16g. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), January

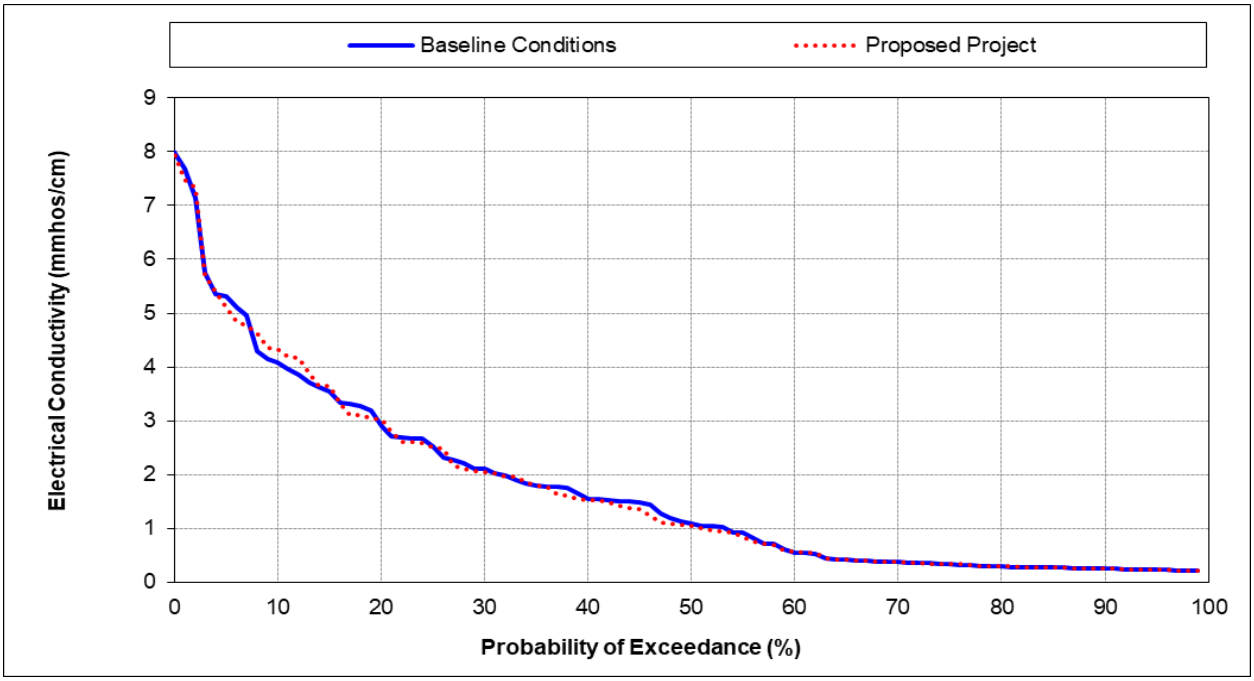

Figure 5B-16h. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), February

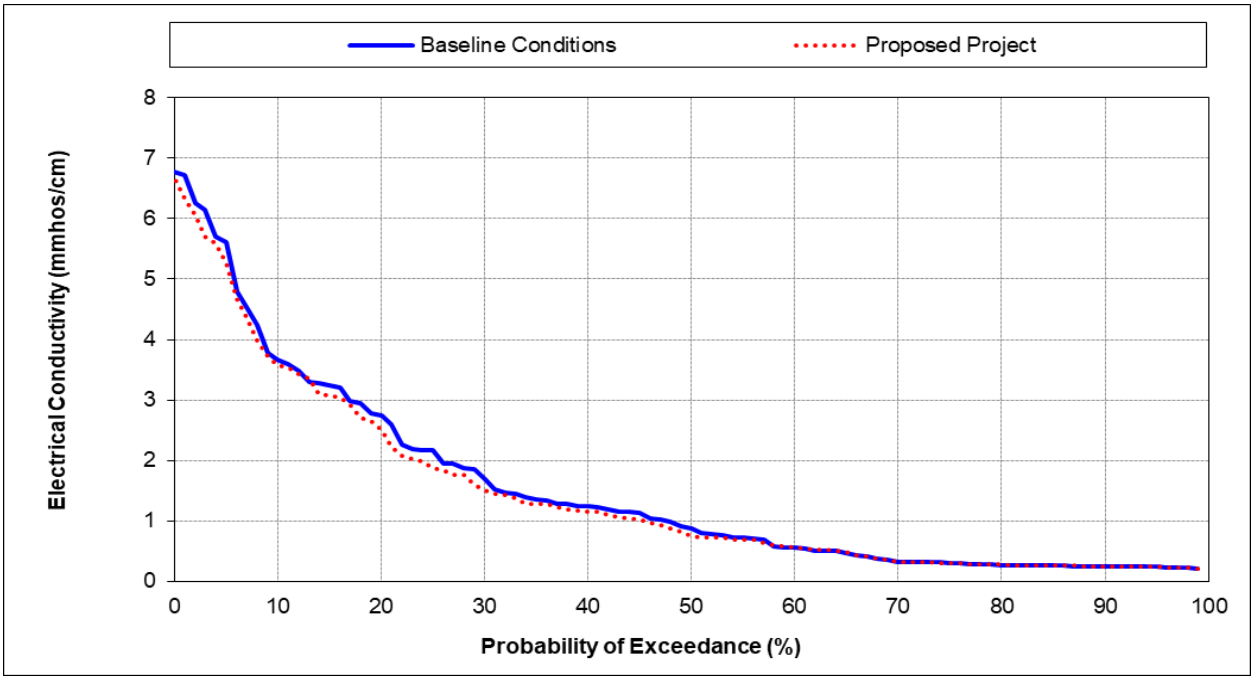

Figure 5B-16i. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), March

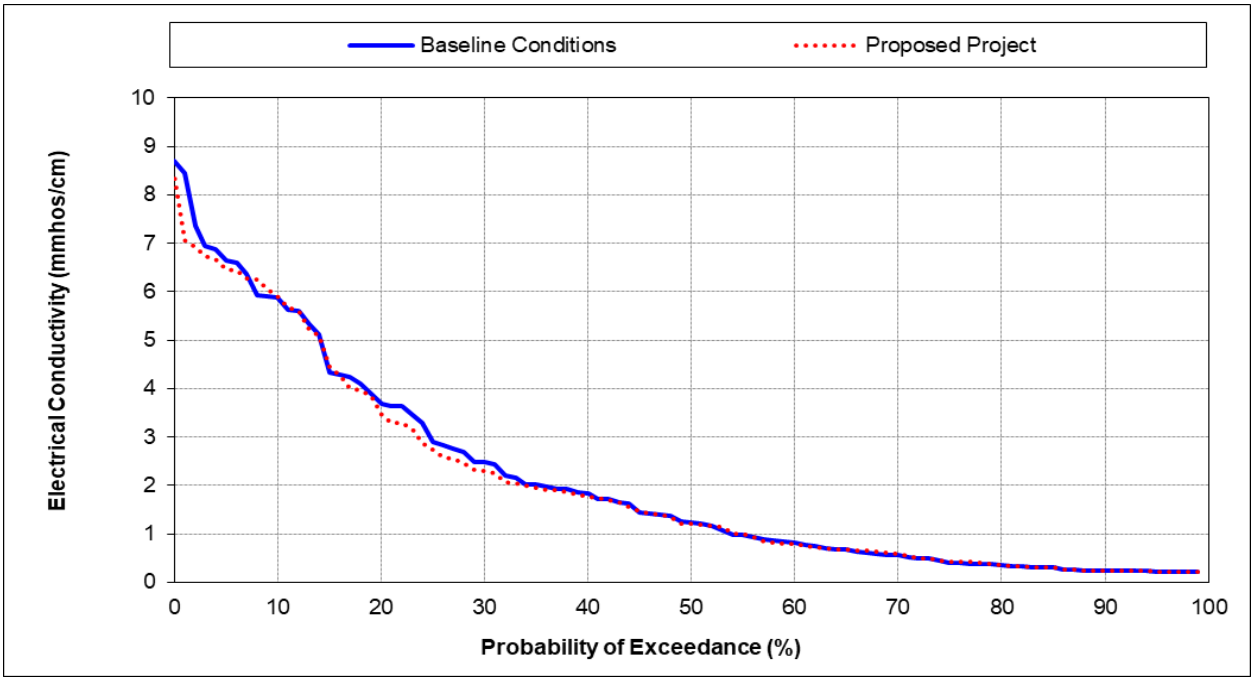

Figure 5B-16j. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), April

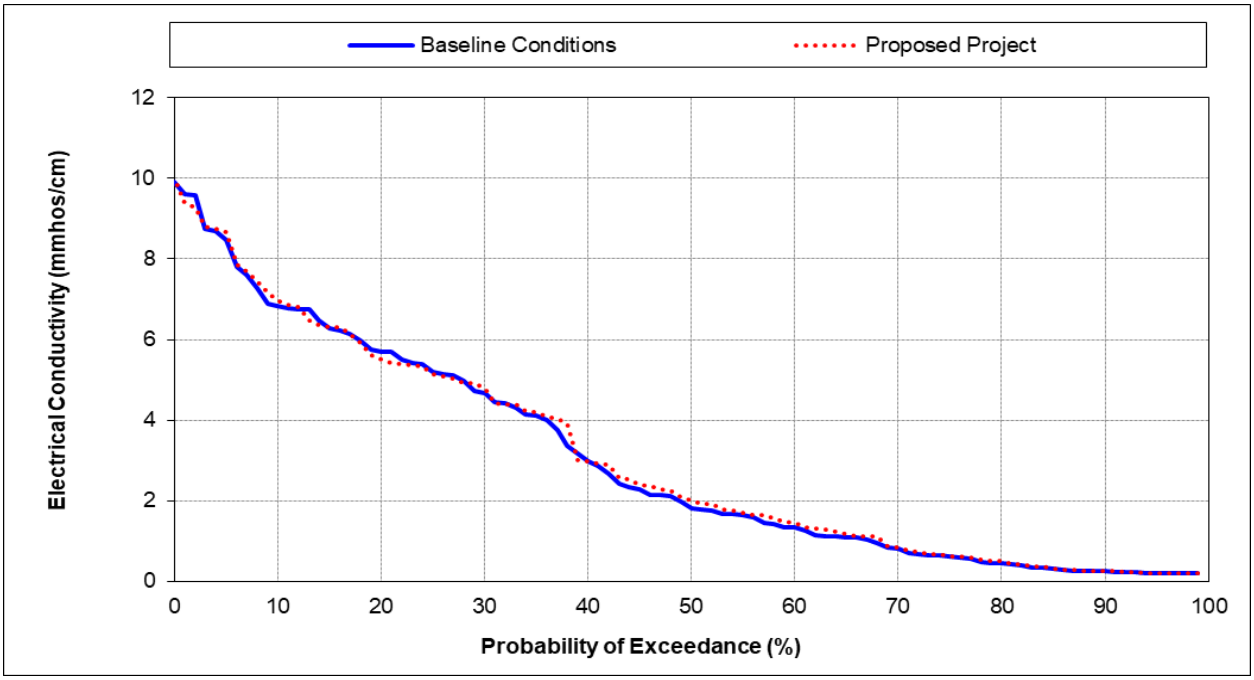

Figure 5B-16k. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), May

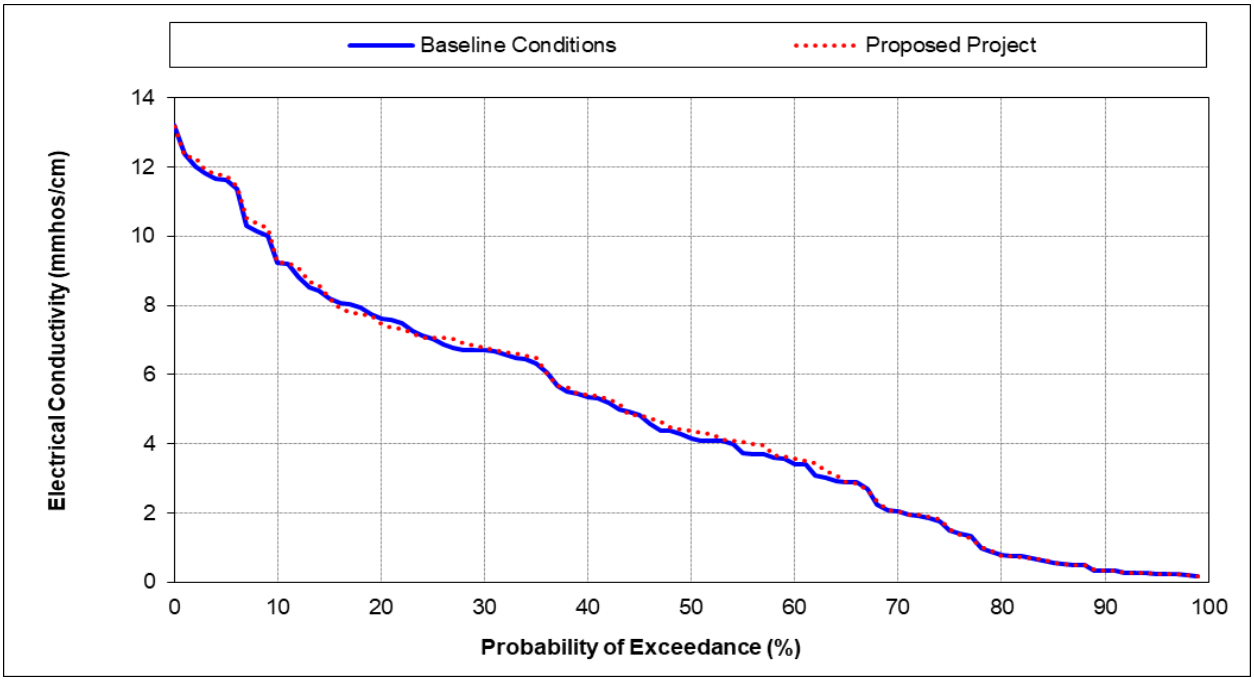

Figure 5B-16l. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), June

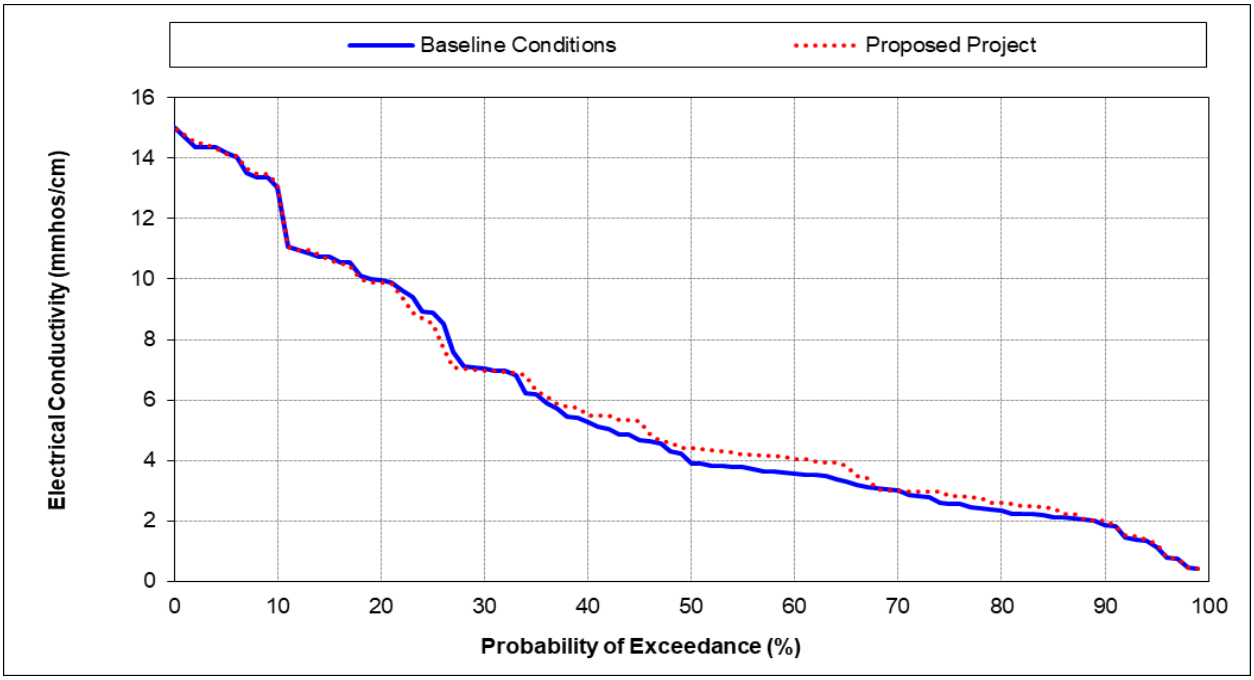

Figure 5B-16m. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), July

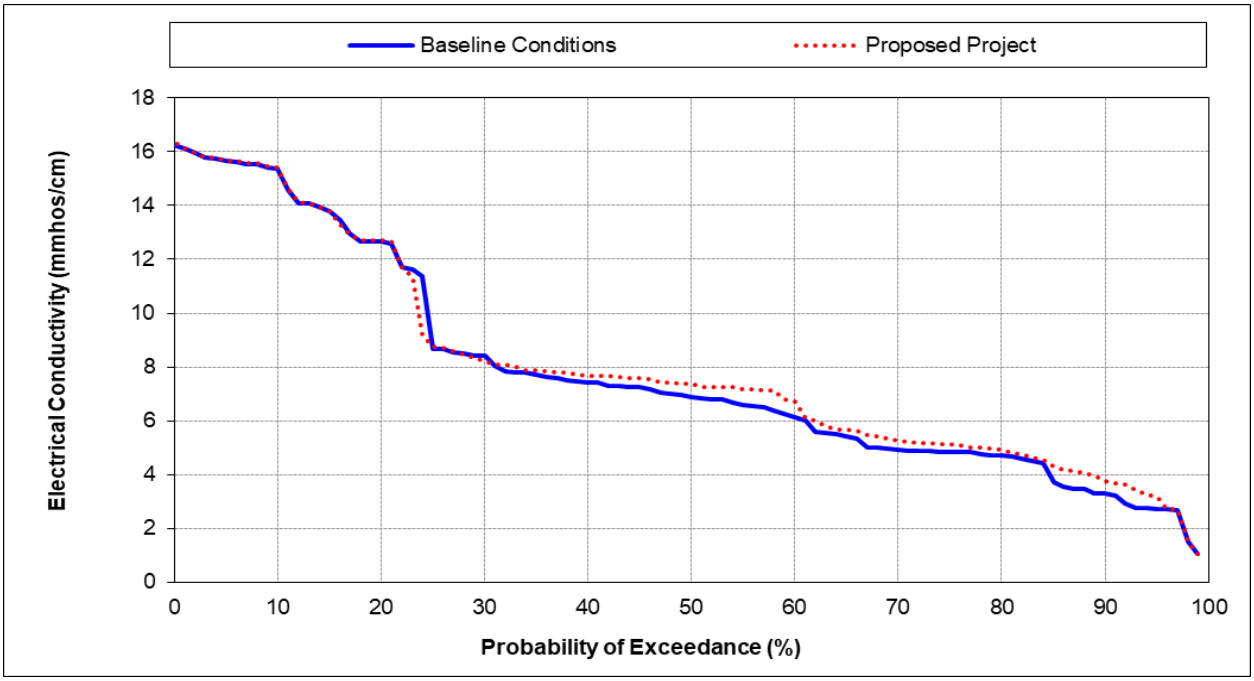

Figure 5B-16n. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), August

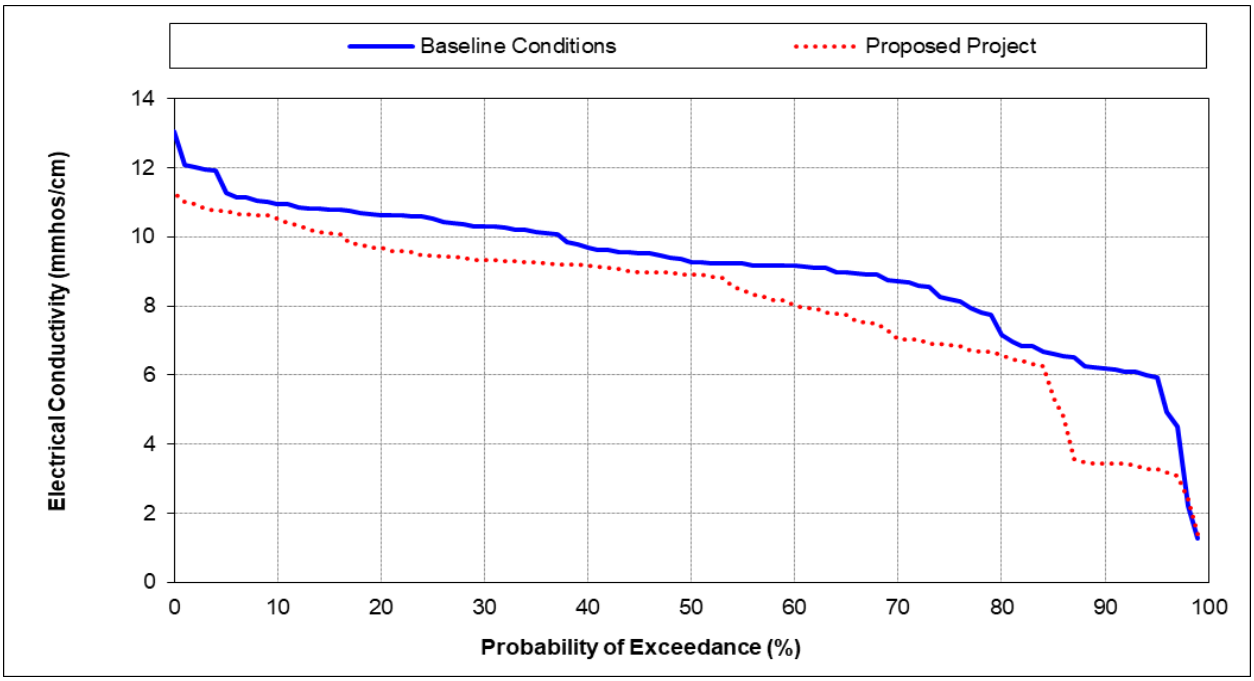

Figure 5B-16o. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), September

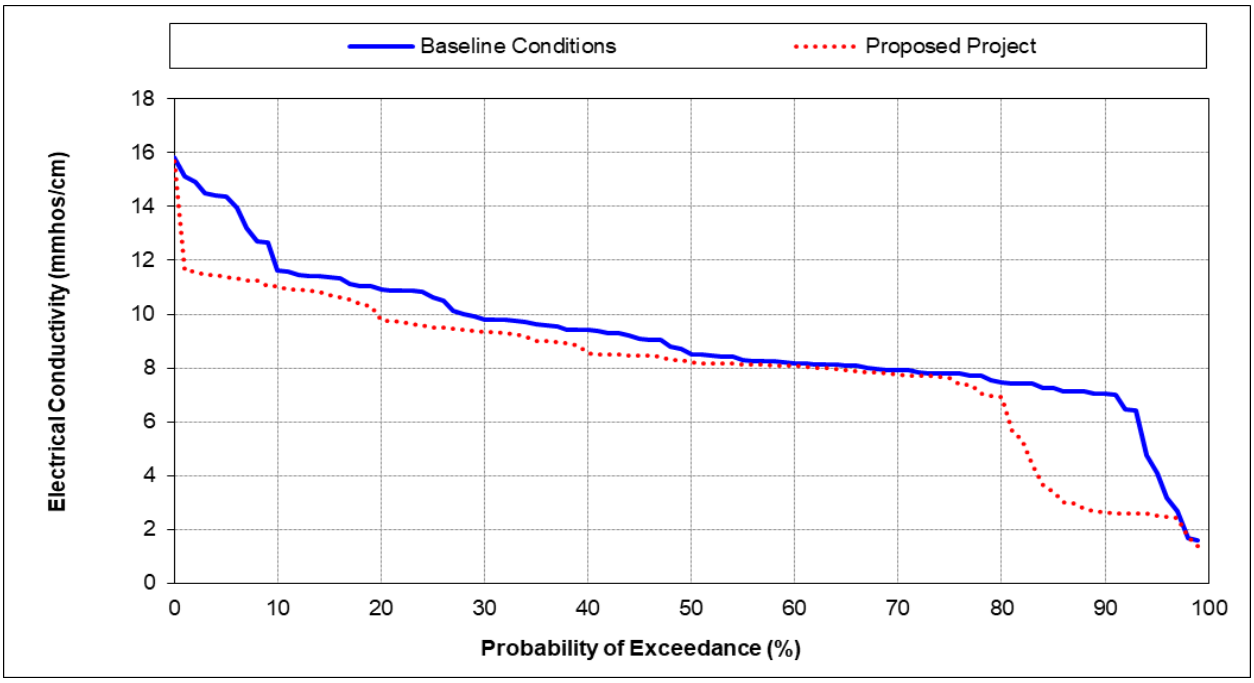

Figure 5B-16p. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), October

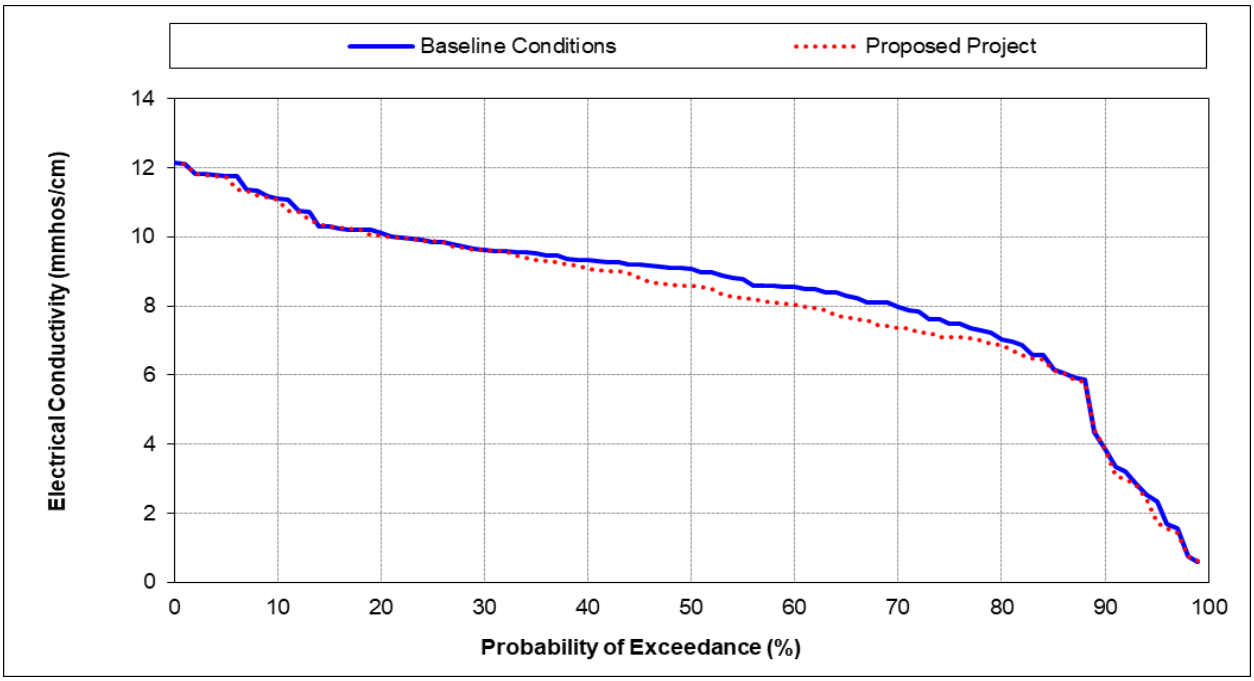

Figure 5B-16q. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), November

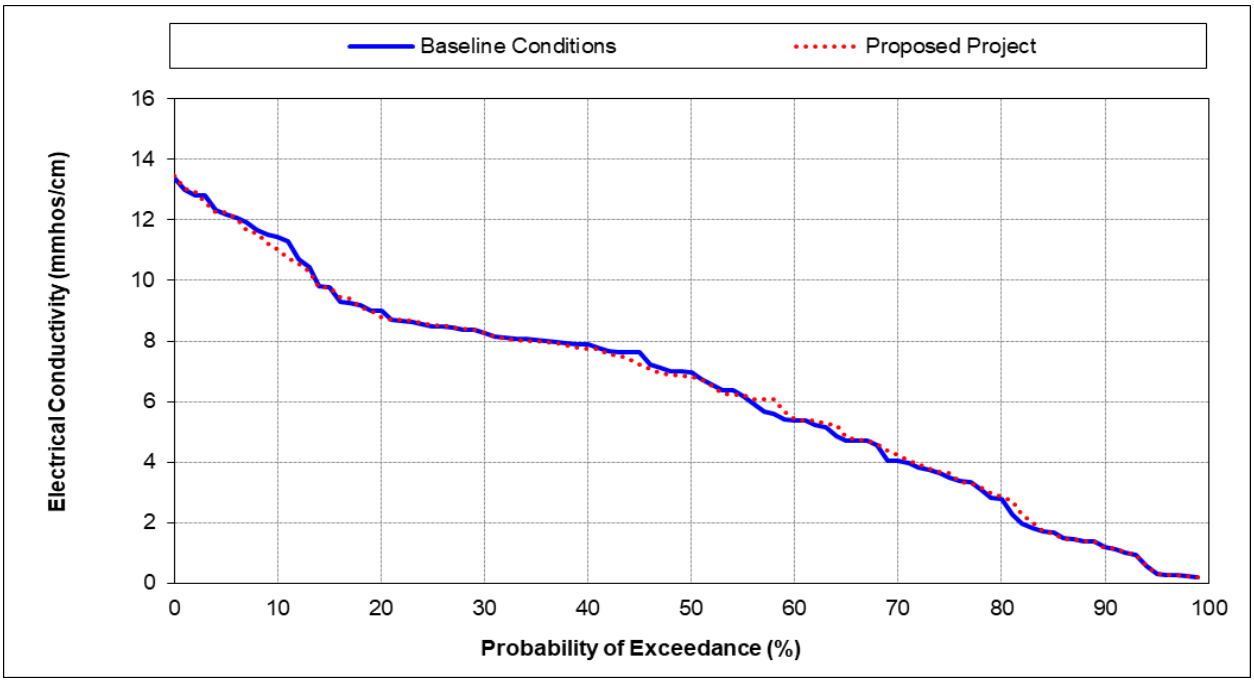

Figure 5B-16r. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), December

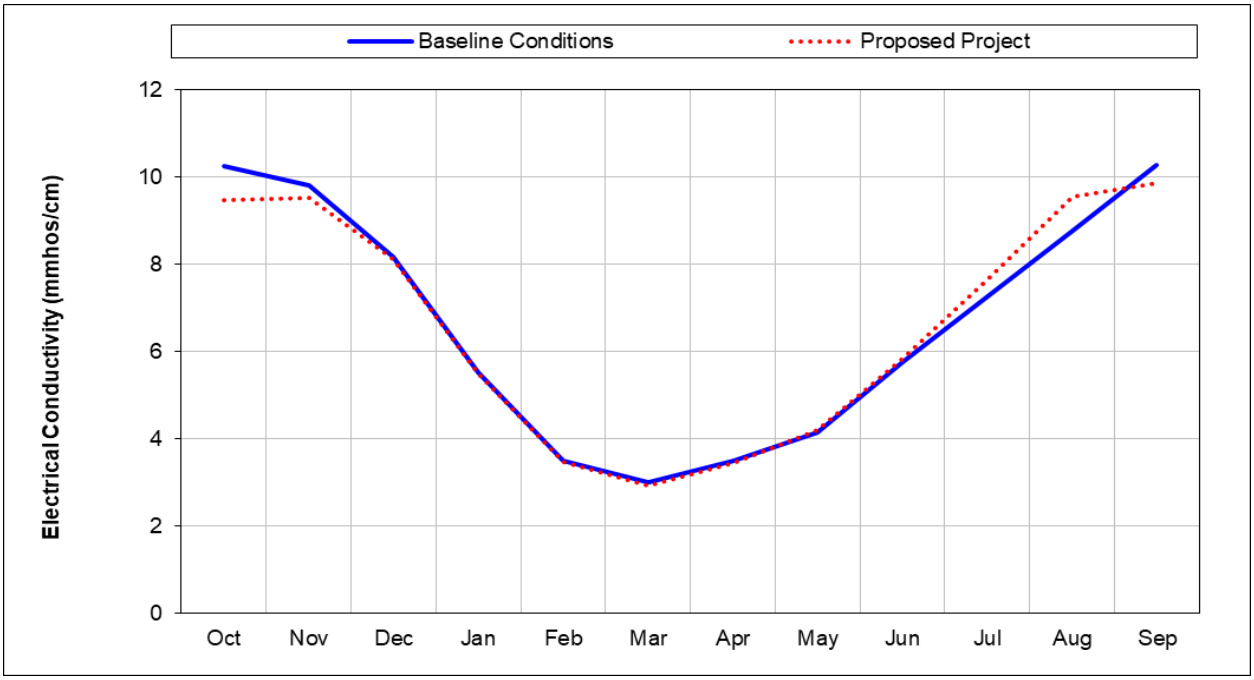

Figure 5B-17a. Chadbourne Slough near Sunrise Duck Club, Long term Monthly Average Electrical Conductivity (in millimhos per centimeter)

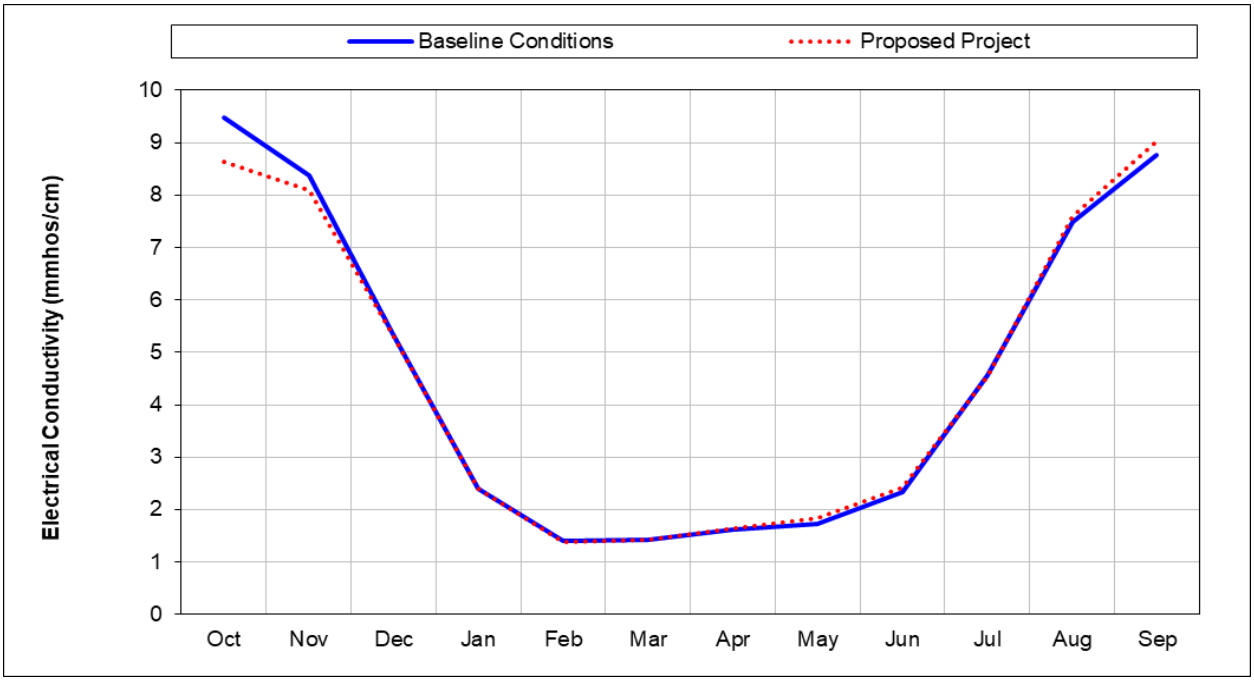

Figure 5B-17b. Chadbourne Slough near Sunrise Duck Club, Wet Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

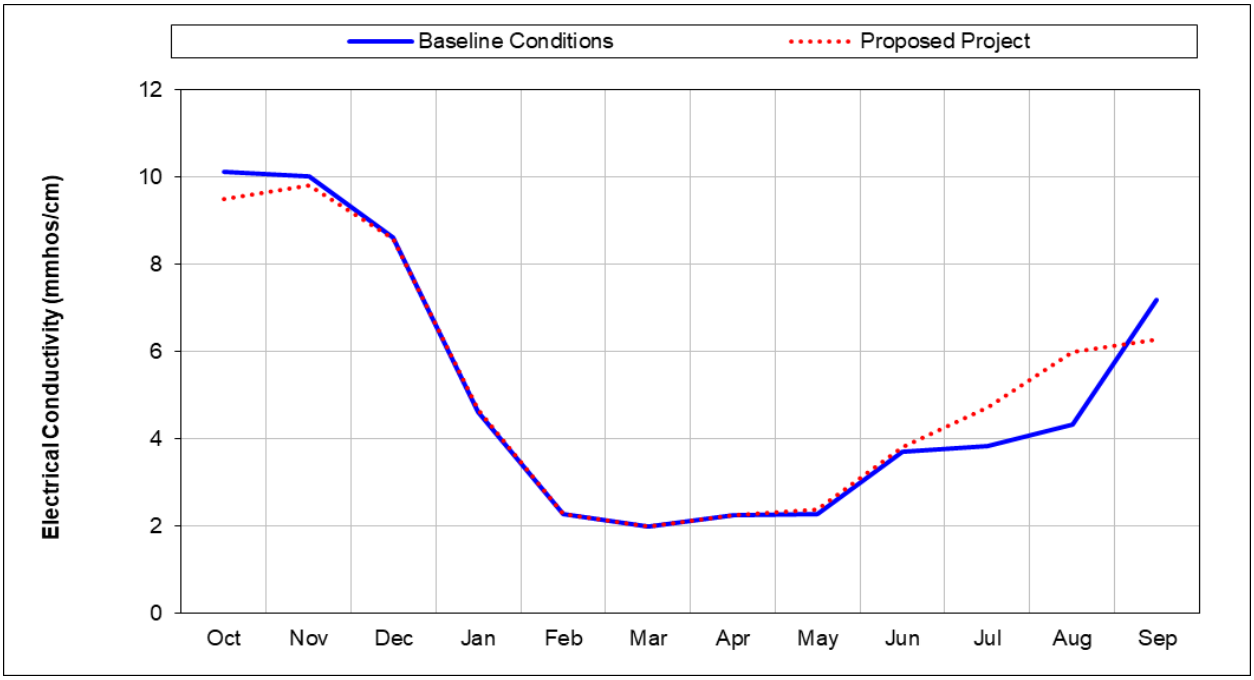

Figure 5B-17c. Chadbourne Slough near Sunrise Duck Club, Above Normal Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

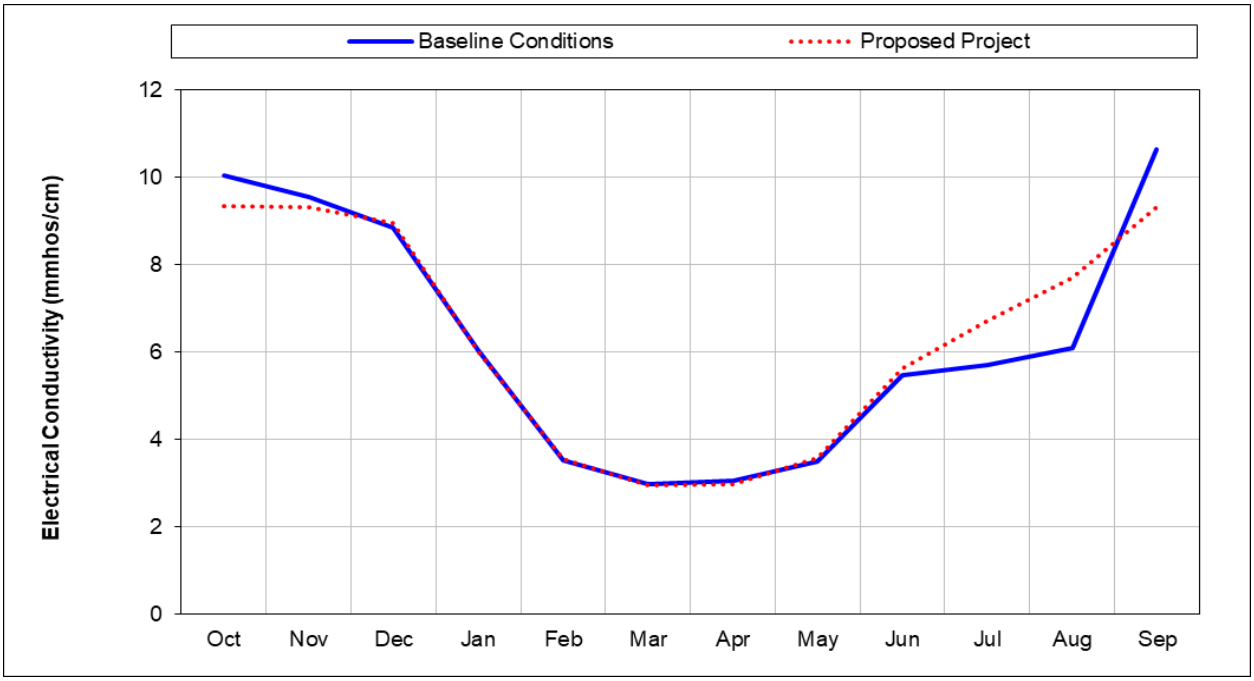

Figure 5B-17d. Chadbourne Slough near Sunrise Duck Club, Below Normal Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

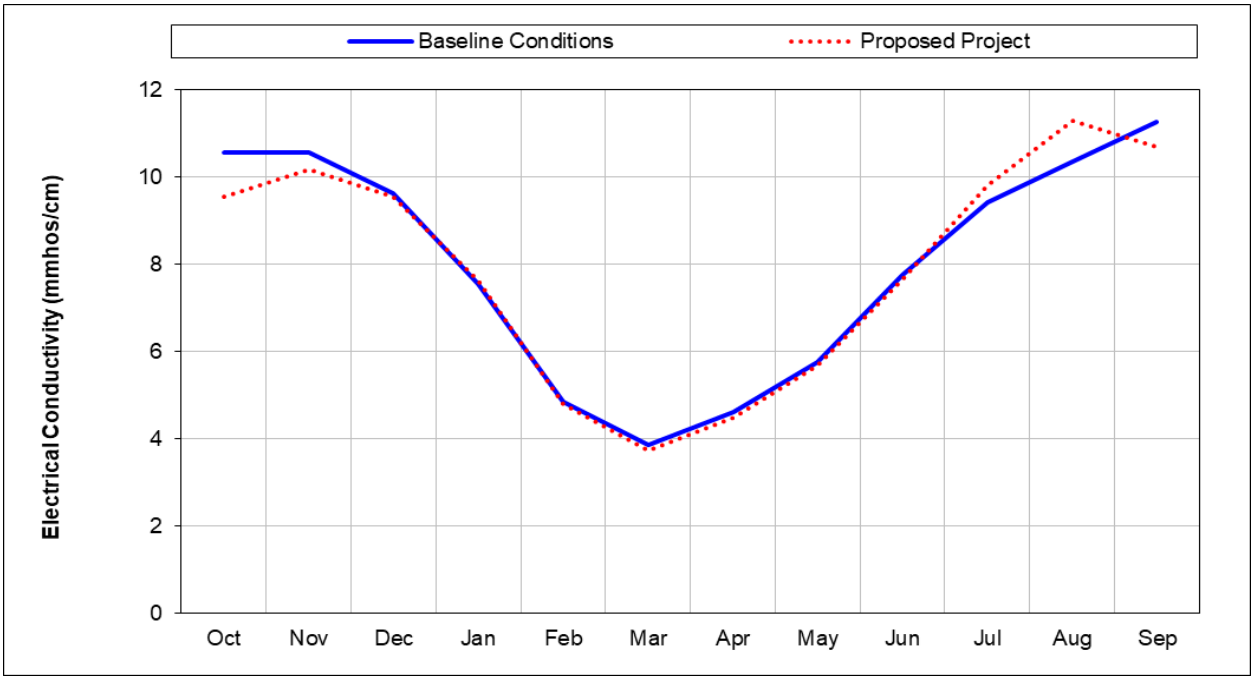

Figure 5B-17e. Chadbourne Slough near Sunrise Duck Club, Dry Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

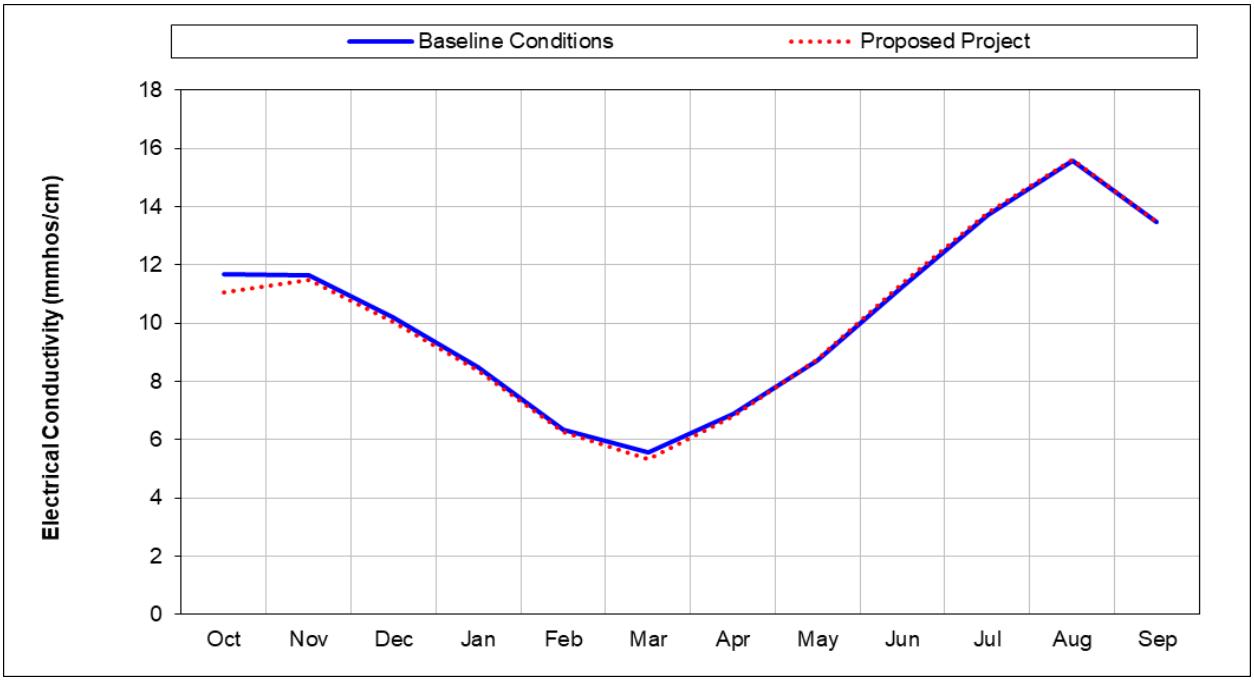

Figure 5B-17f. Chadbourne Slough near Sunrise Duck Club, Critical Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

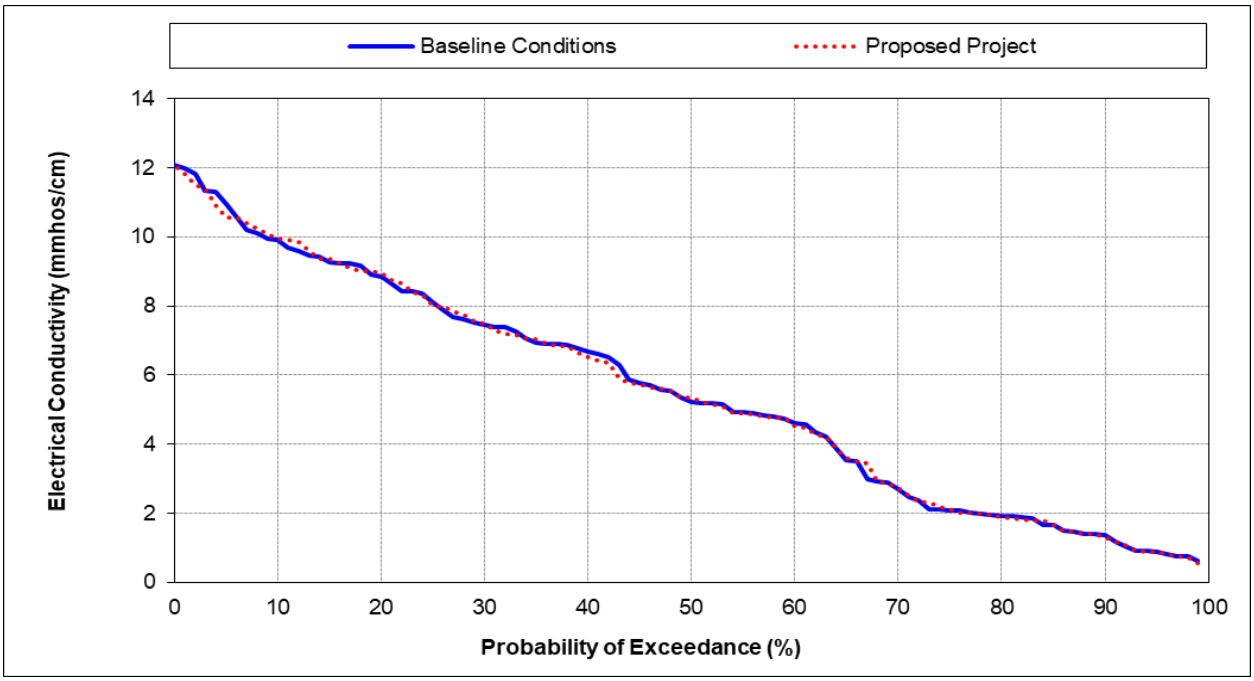

Figure 5B-17g. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), January

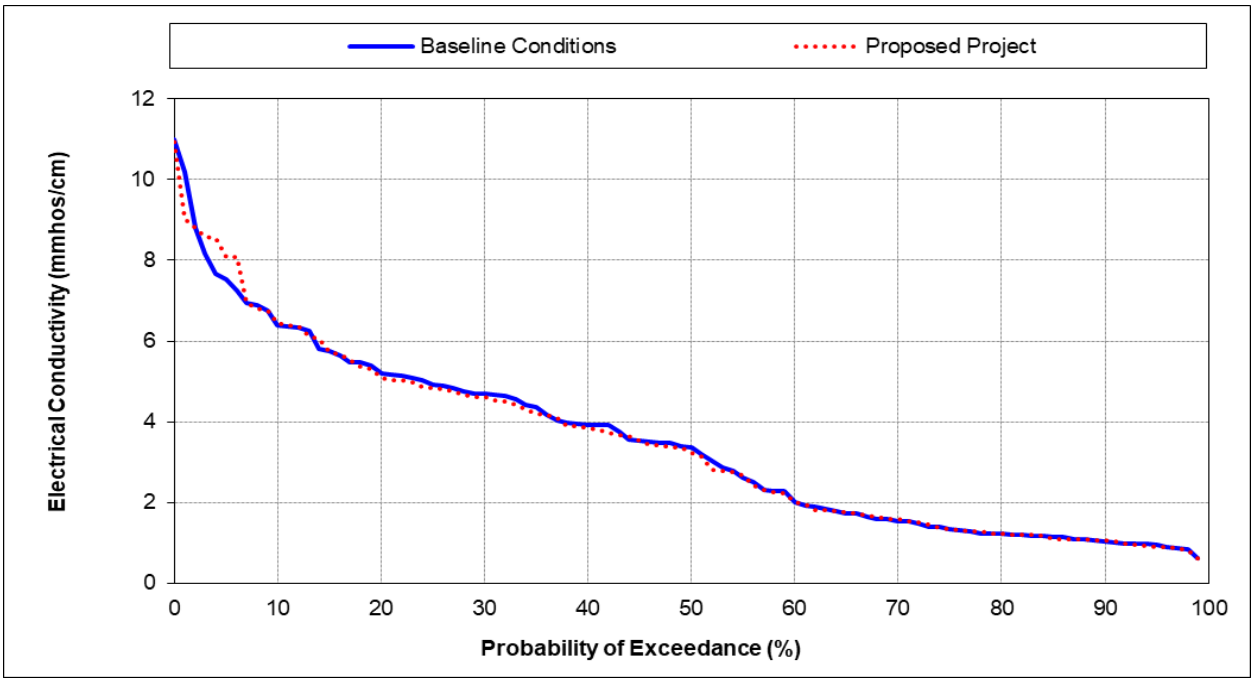

Figure 5B-17h. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), February

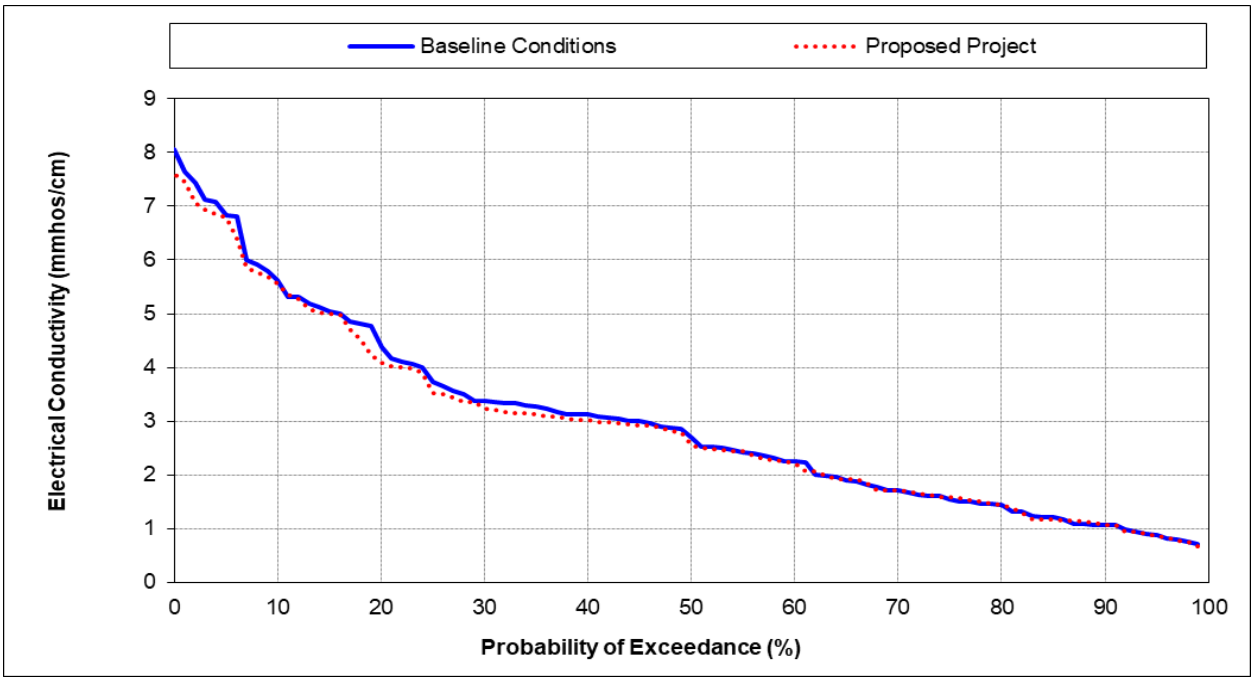

Figure 5B-17i. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), March

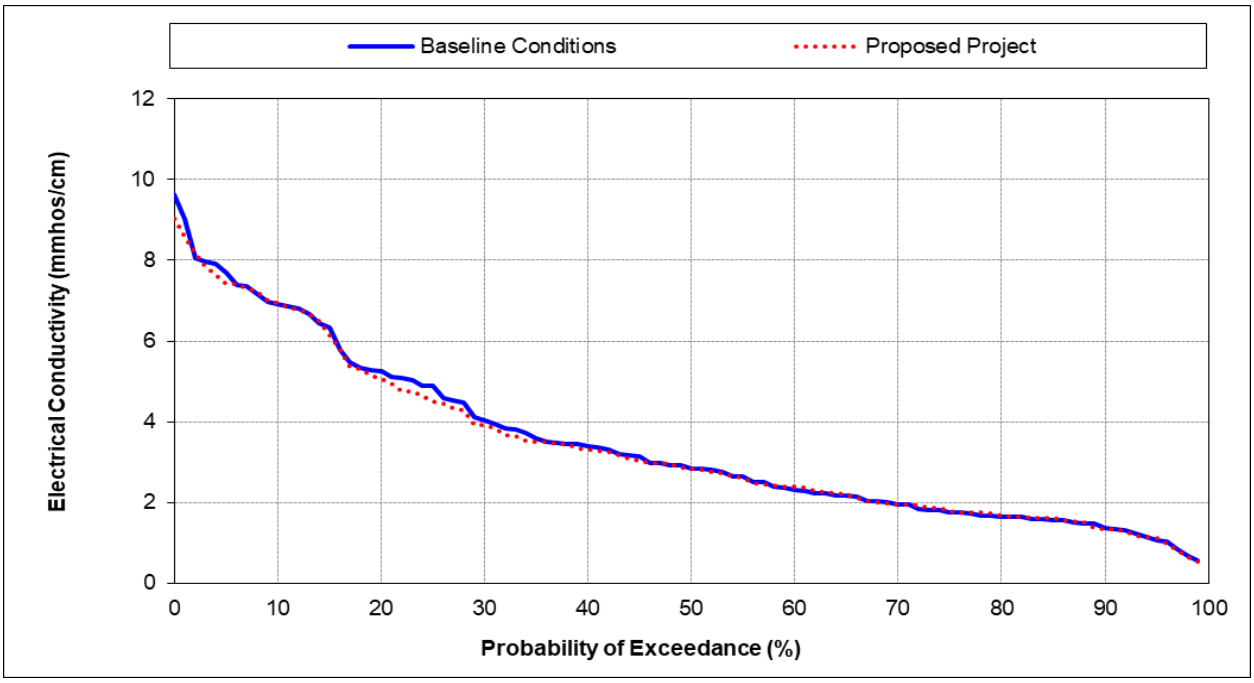

Figure 5B-17j. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), April

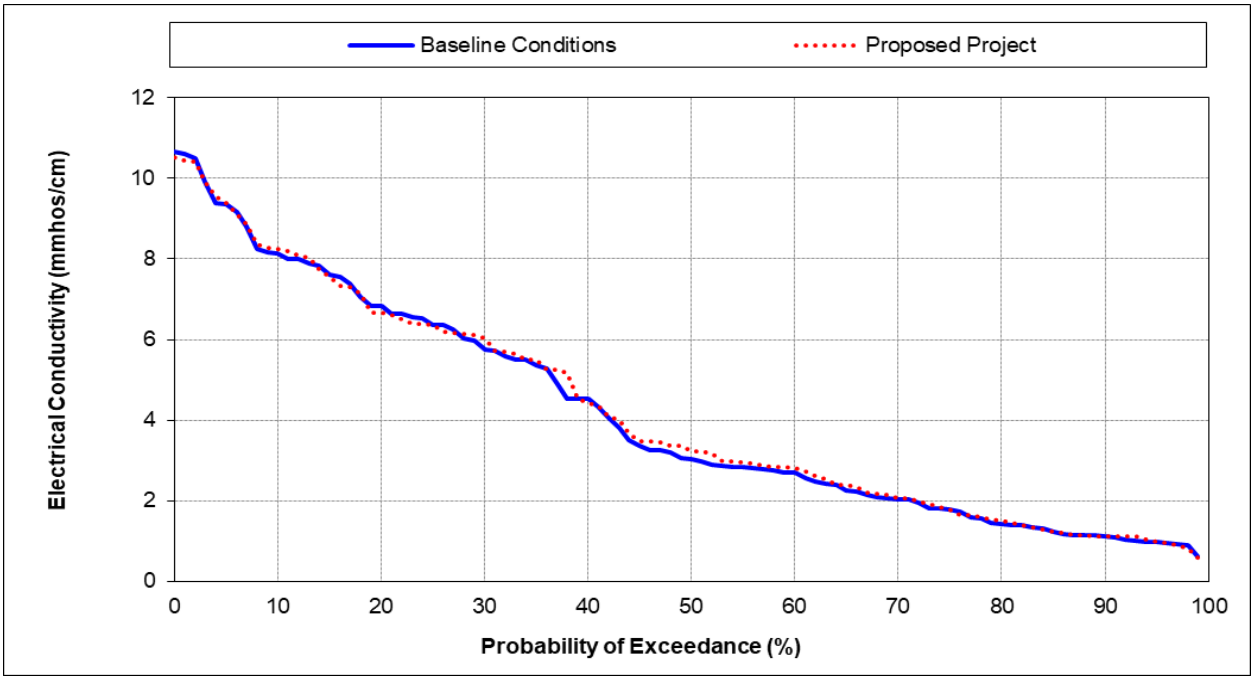

Figure 5B-17k. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), May

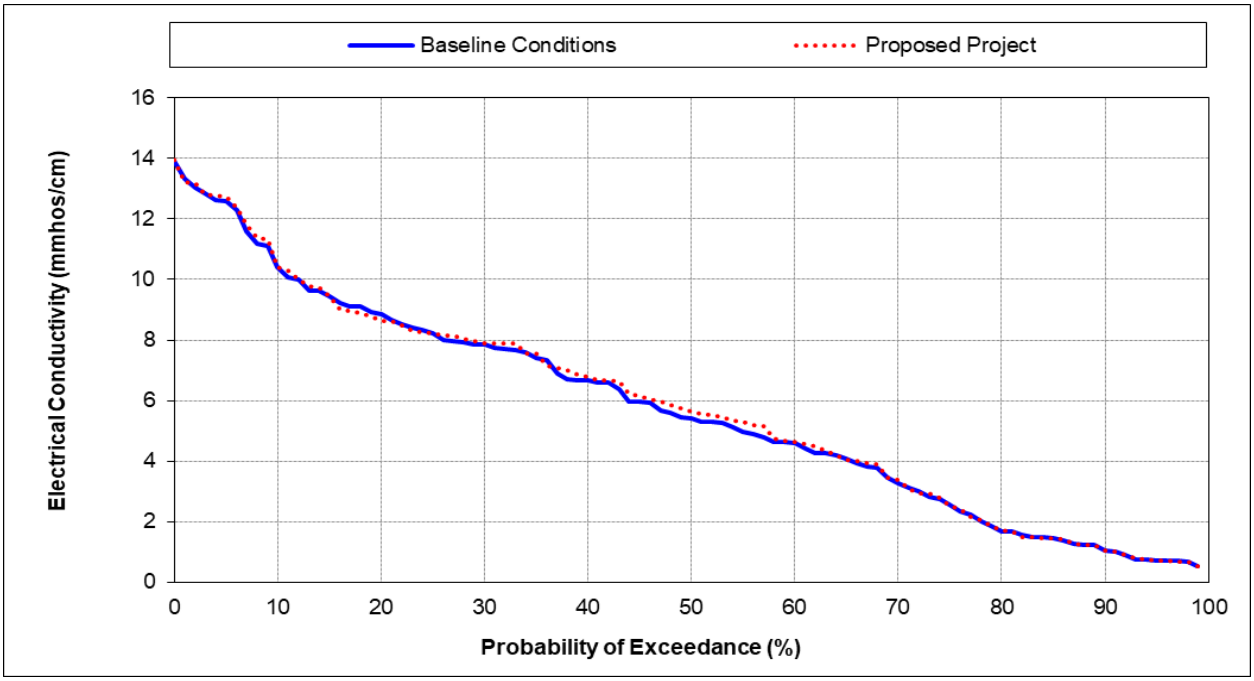

Figure 5B-17l. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), June

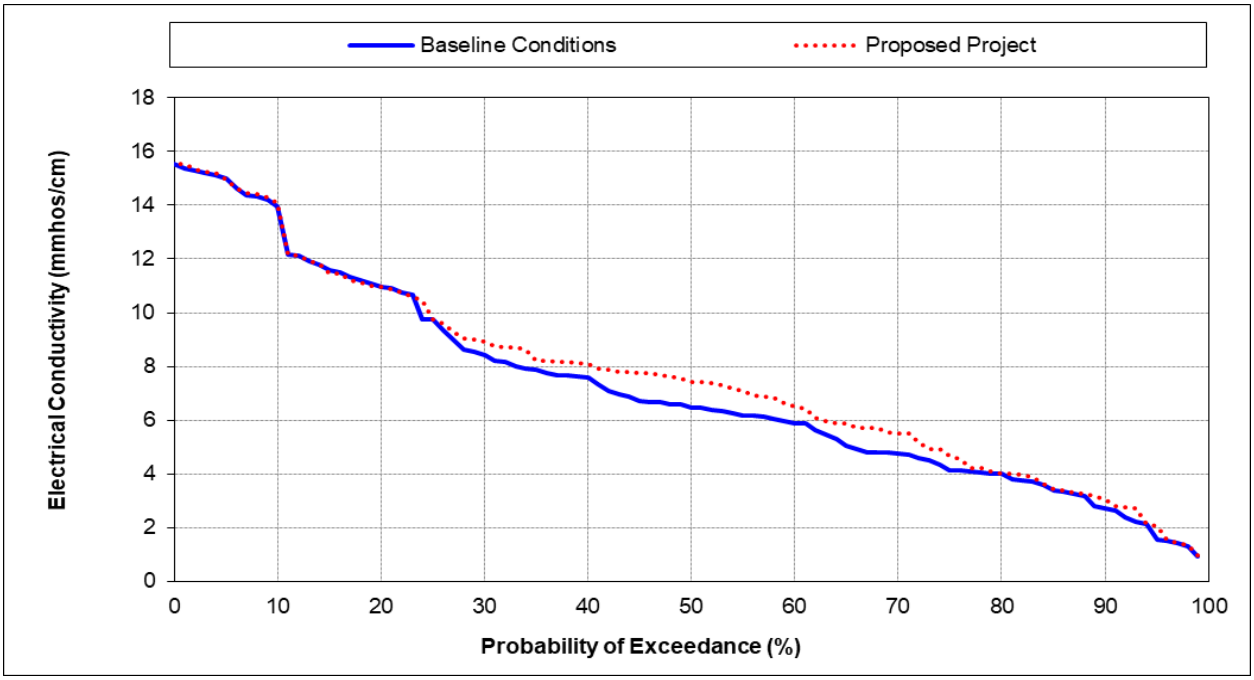

Figure 5B-17m. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), July

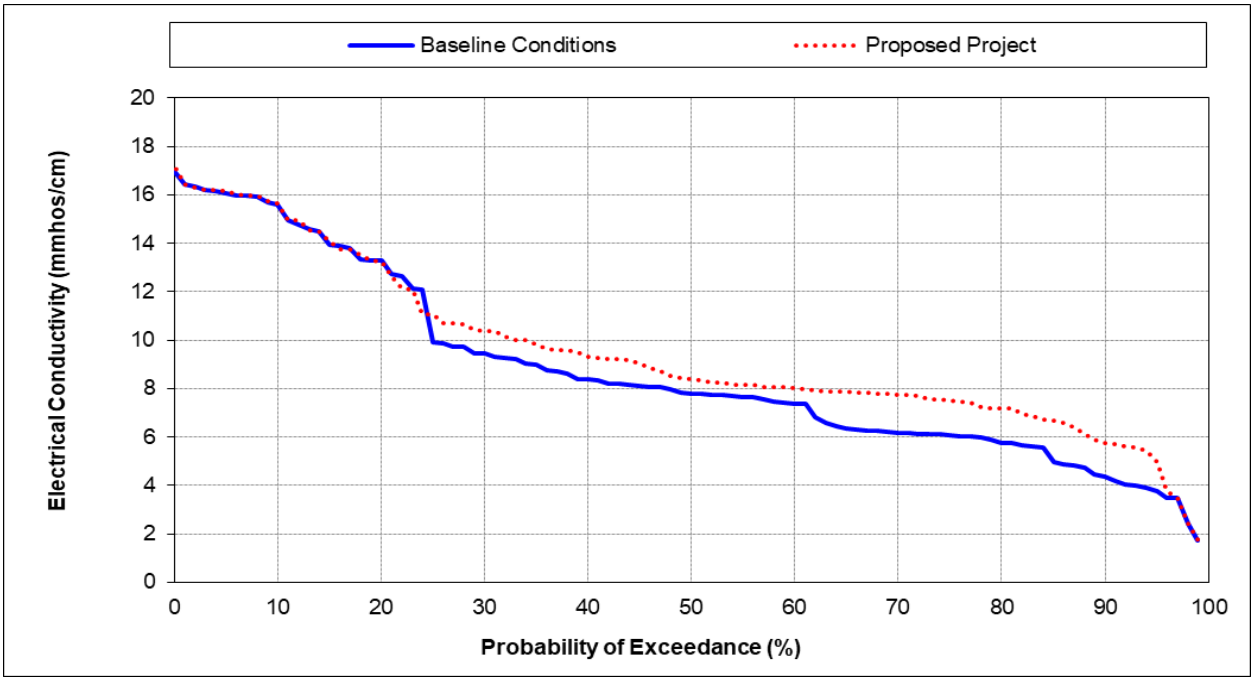

Figure 5B-17n. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), August

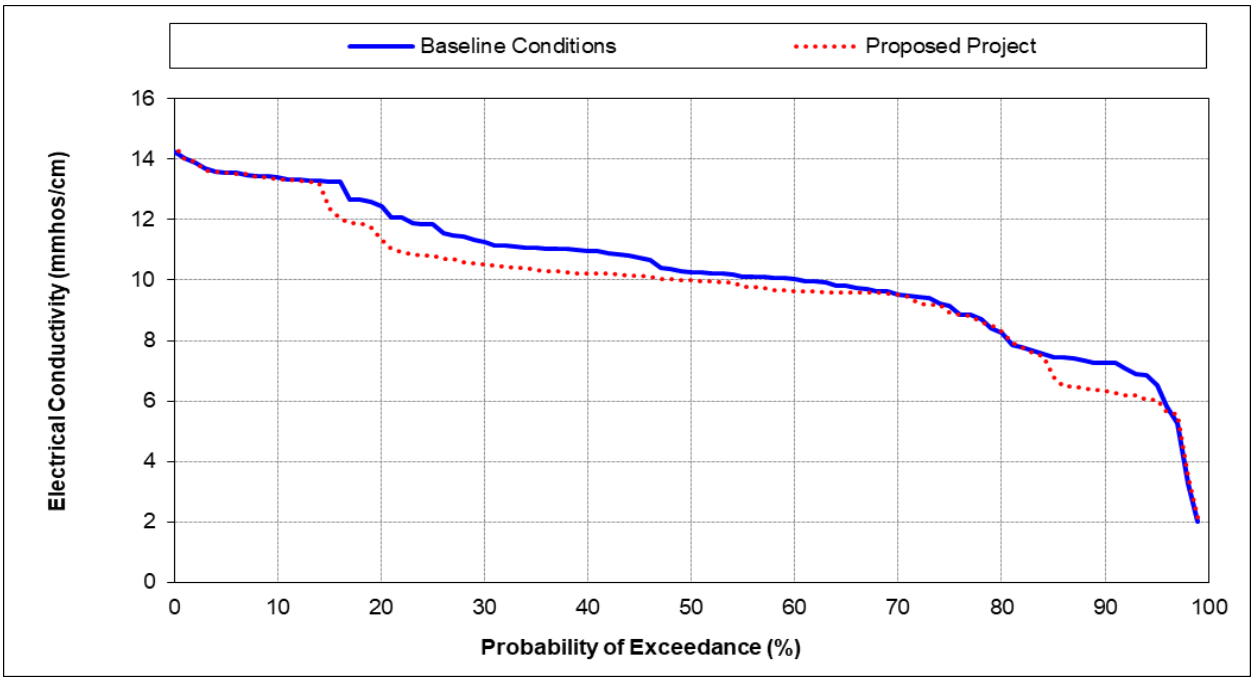

Figure 5B-17o. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), September

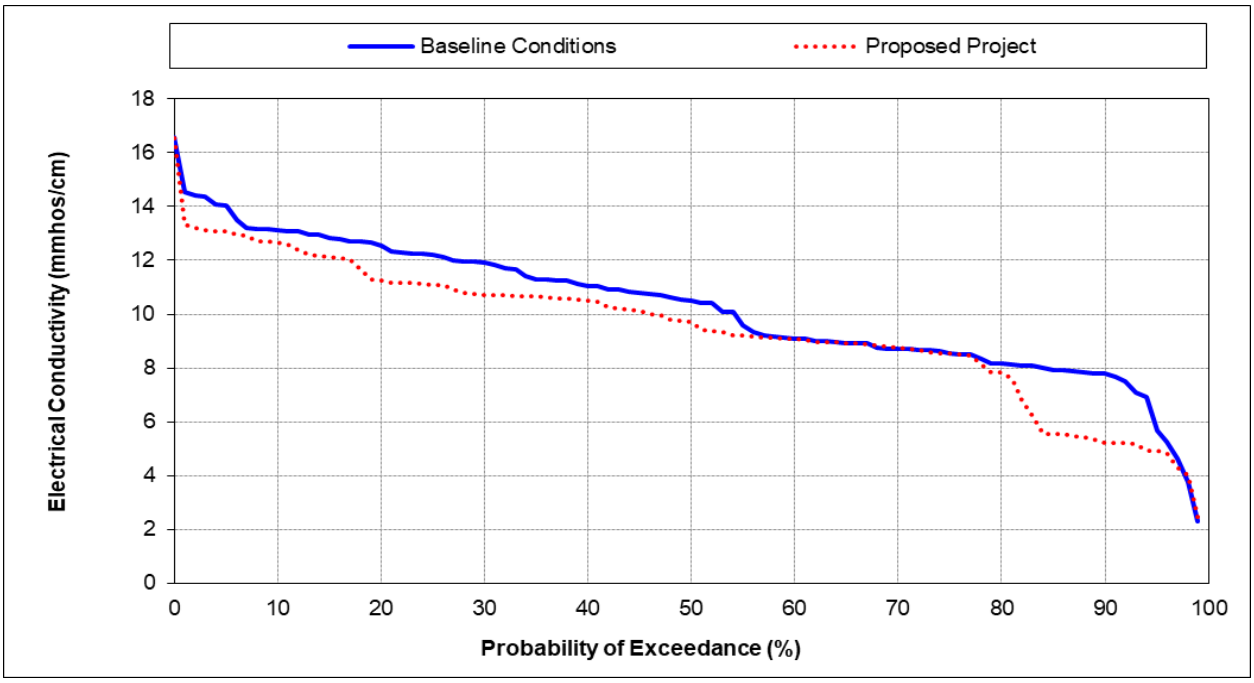

Figure 5B-17p. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), October

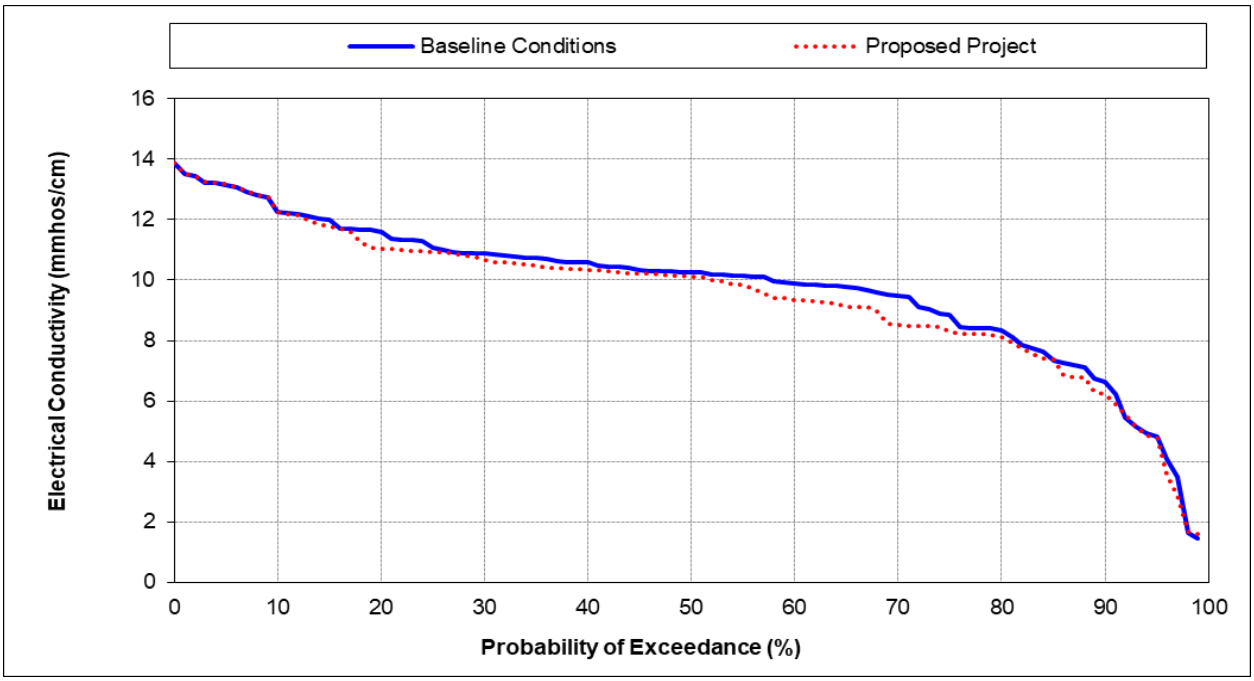

Figure 5B-17q. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), November

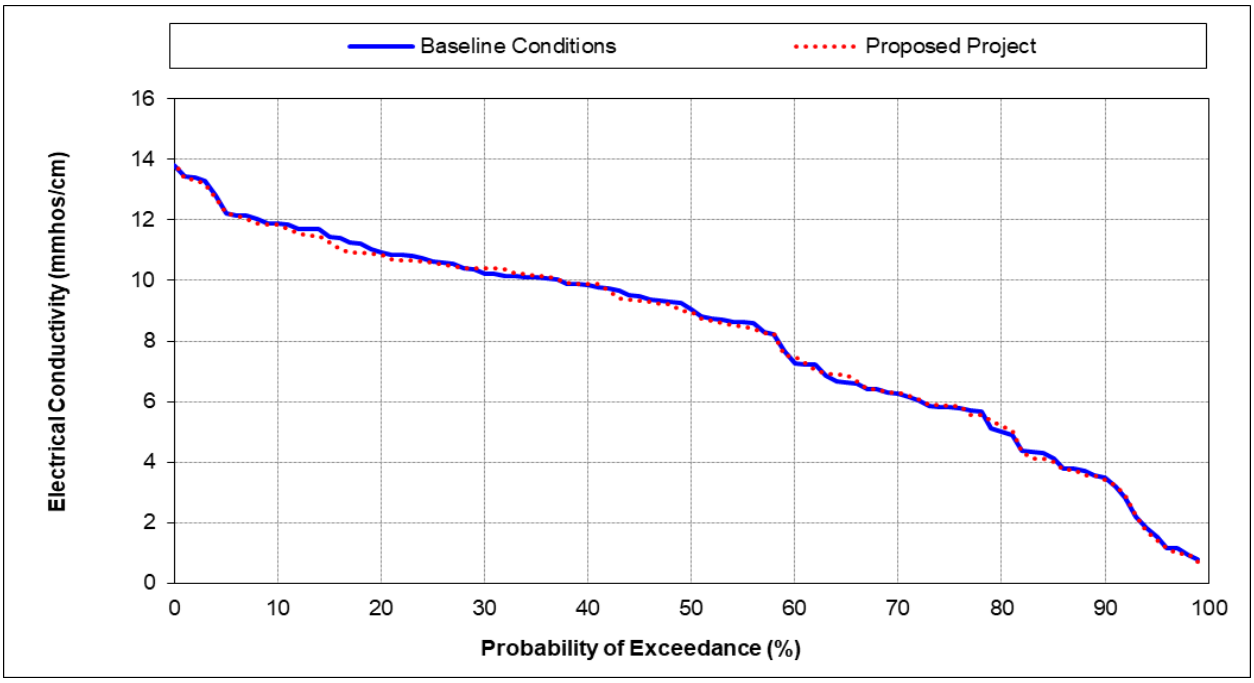

Figure 5B-17r. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), December

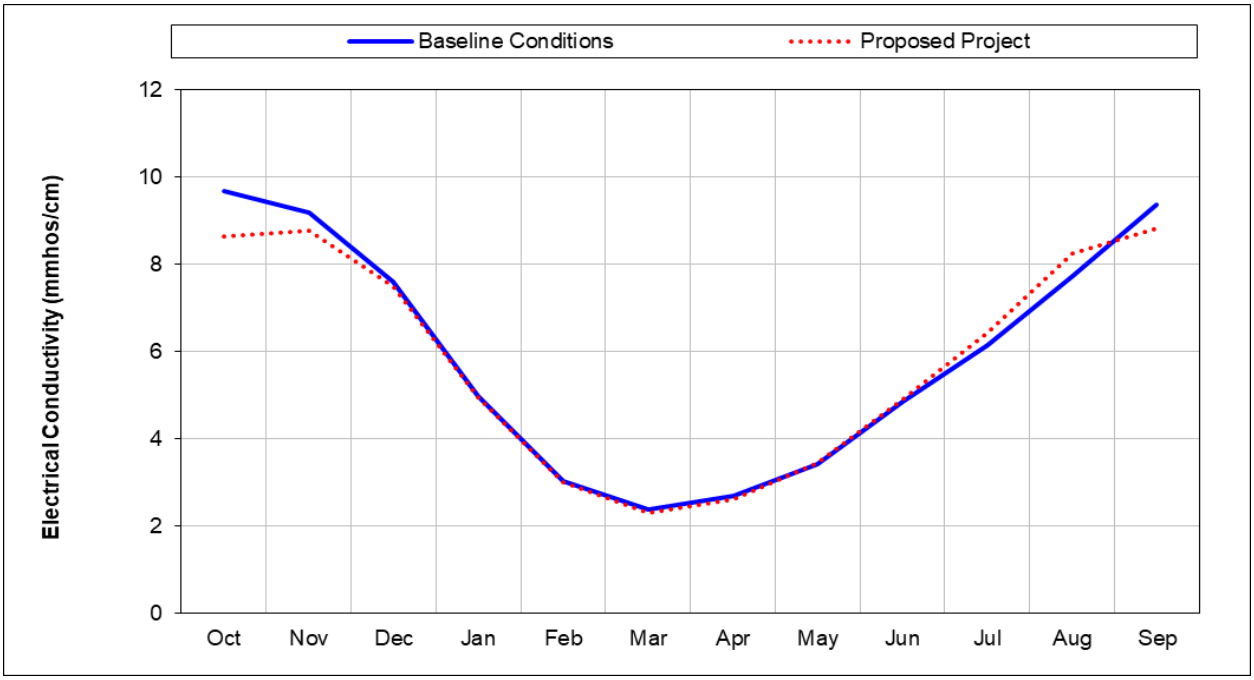

Figure 5B-18a. Suisun Slough 300 ft south of Volanti Slough, Long term Monthly Average Electrical Conductivity (in millimhos per centimeter)

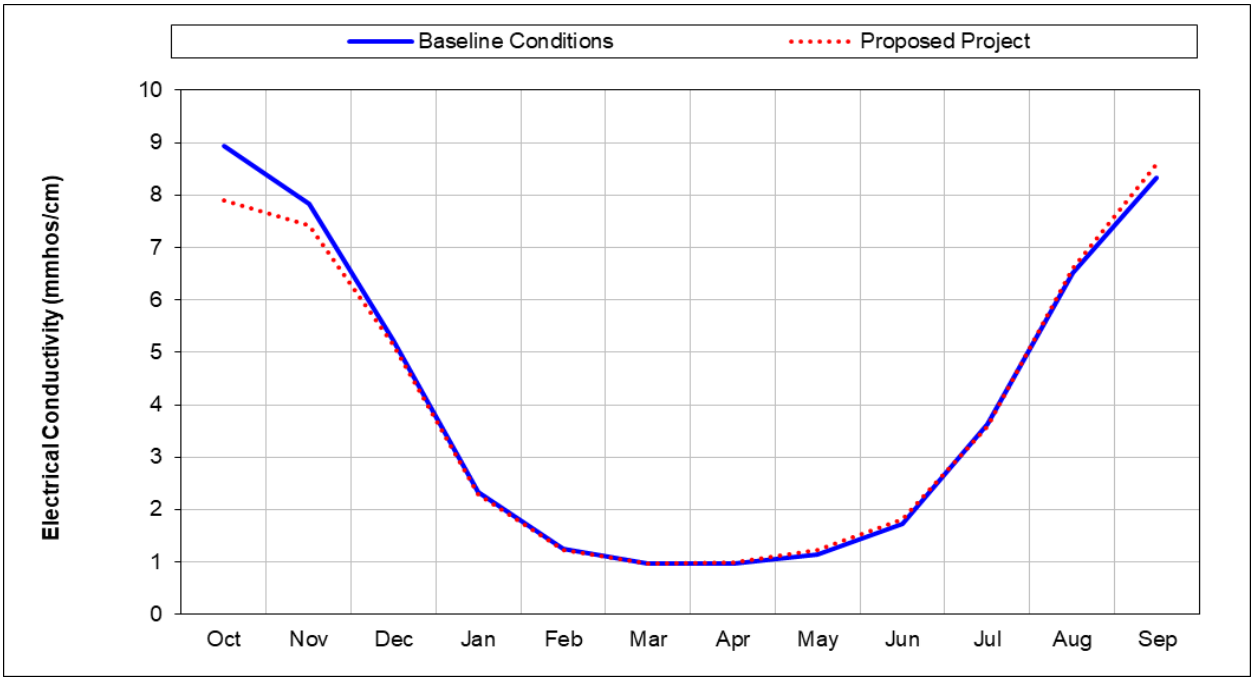

Figure 5B-18b. Suisun Slough 300 ft south of Volanti Slough, Wet Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

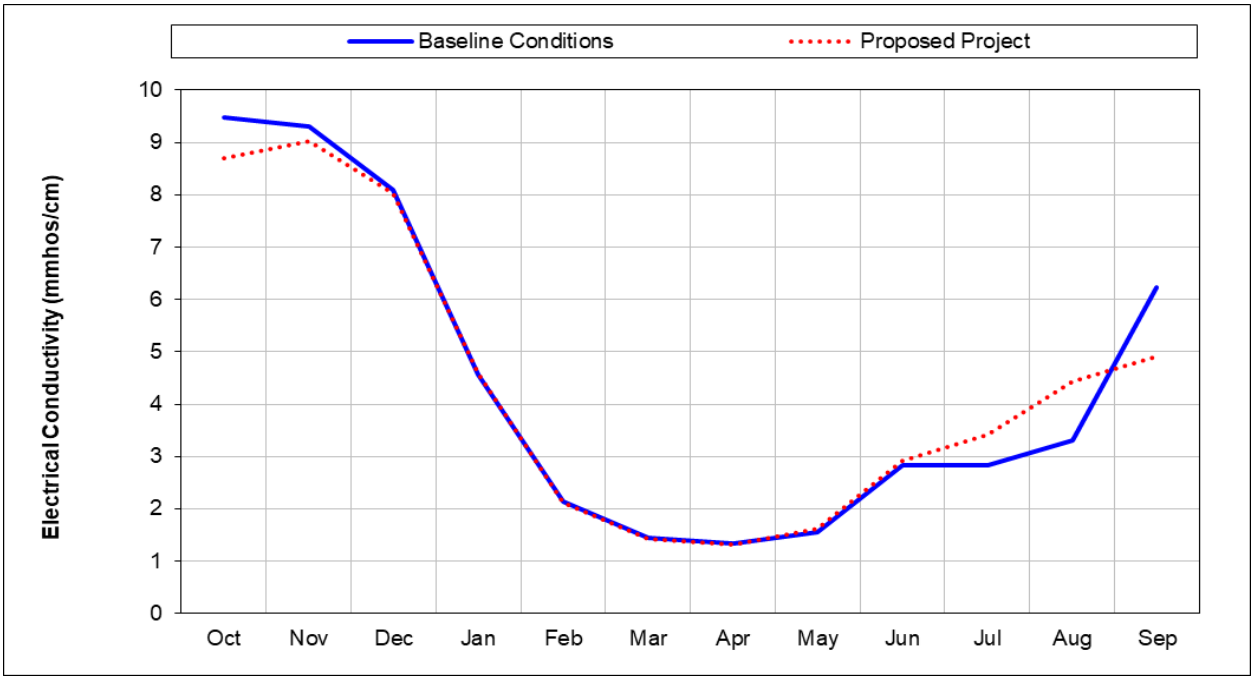

Figure 5B-18c. Suisun Slough 300 ft south of Volanti Slough, Above Normal Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

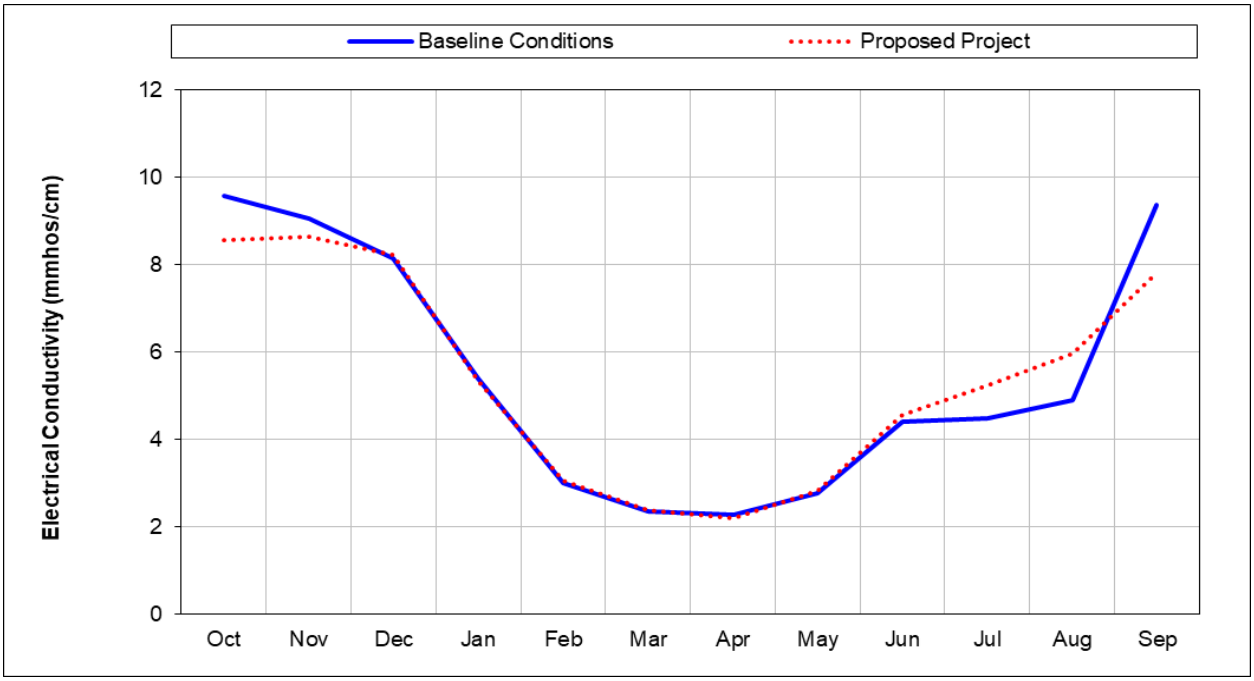

Figure 5B-18d. Suisun Slough 300 ft south of Volanti Slough, Below Normal Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

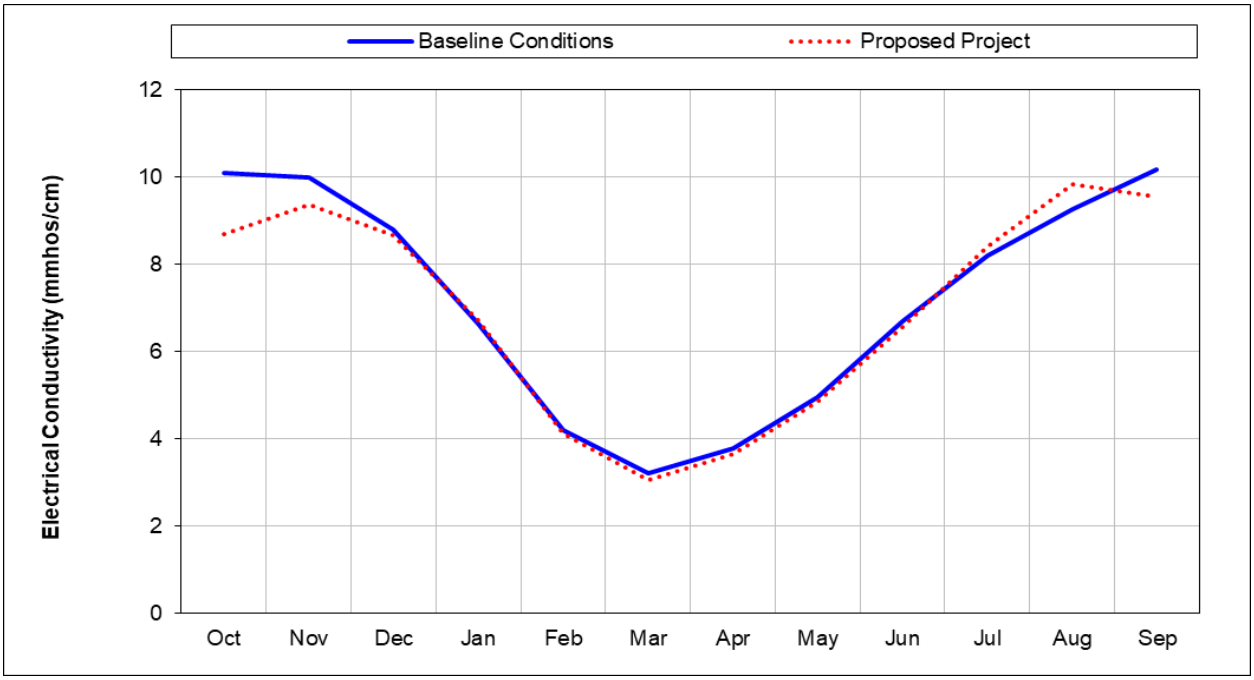

Figure 5B-18e. Suisun Slough 300 ft south of Volanti Slough, Dry Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

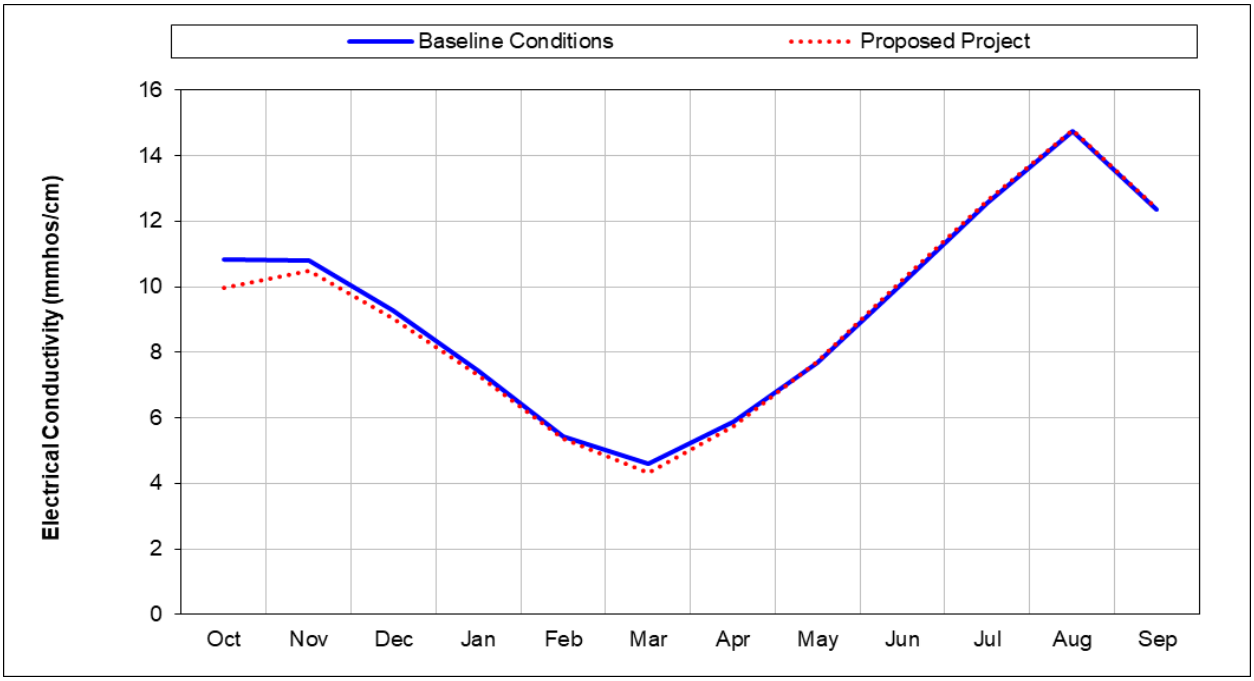

Figure 5B-18f. Suisun Slough 300 ft south of Volanti Slough, Critical Year Monthly Average Electrical Conductivity (in millimhos per centimeter)

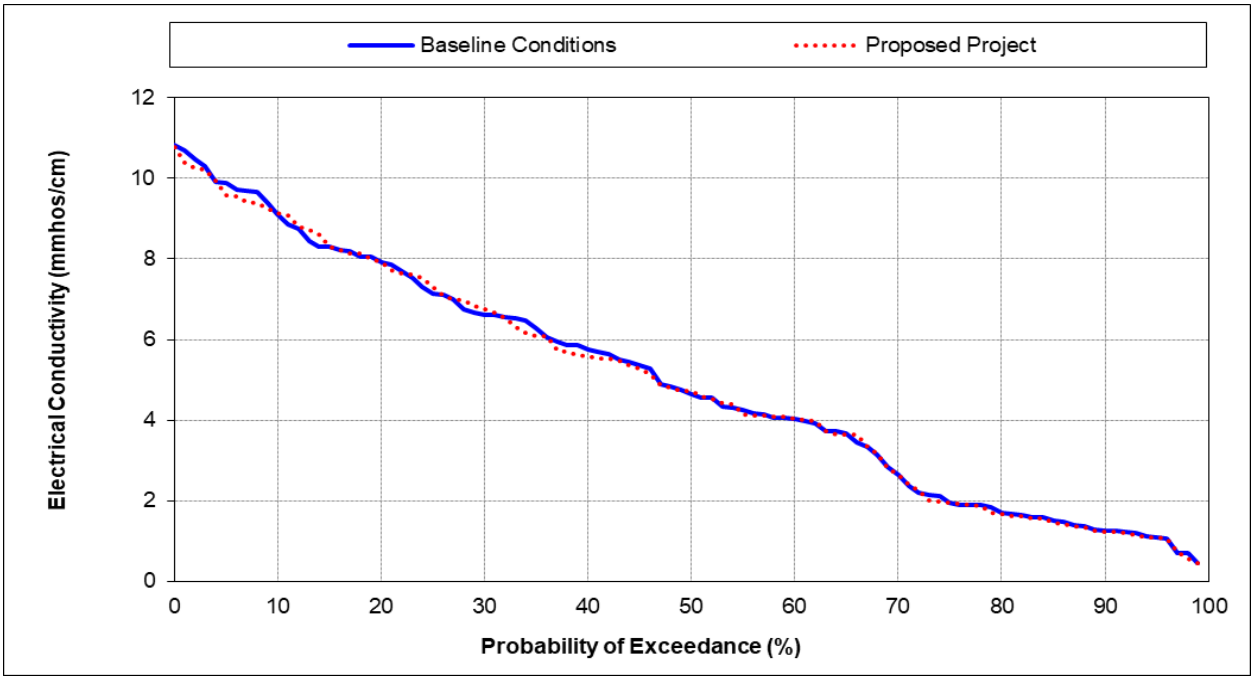

Figure 5B-18g. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), January

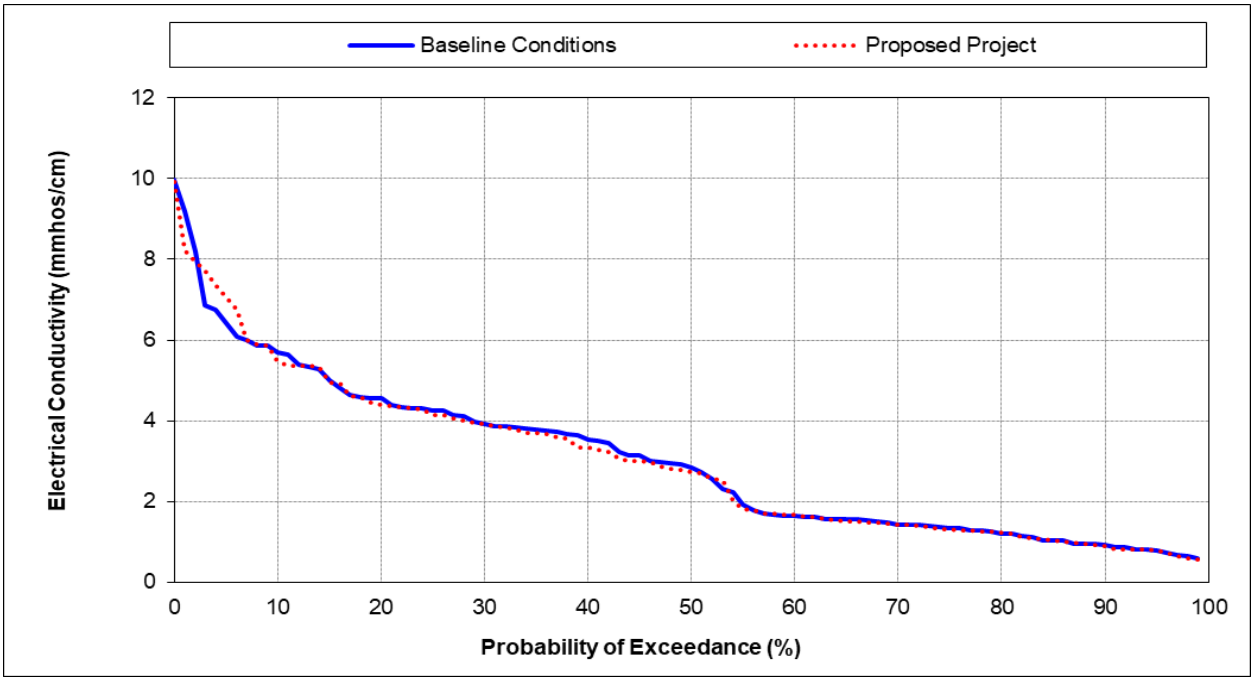

Figure 5B-18h. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), February

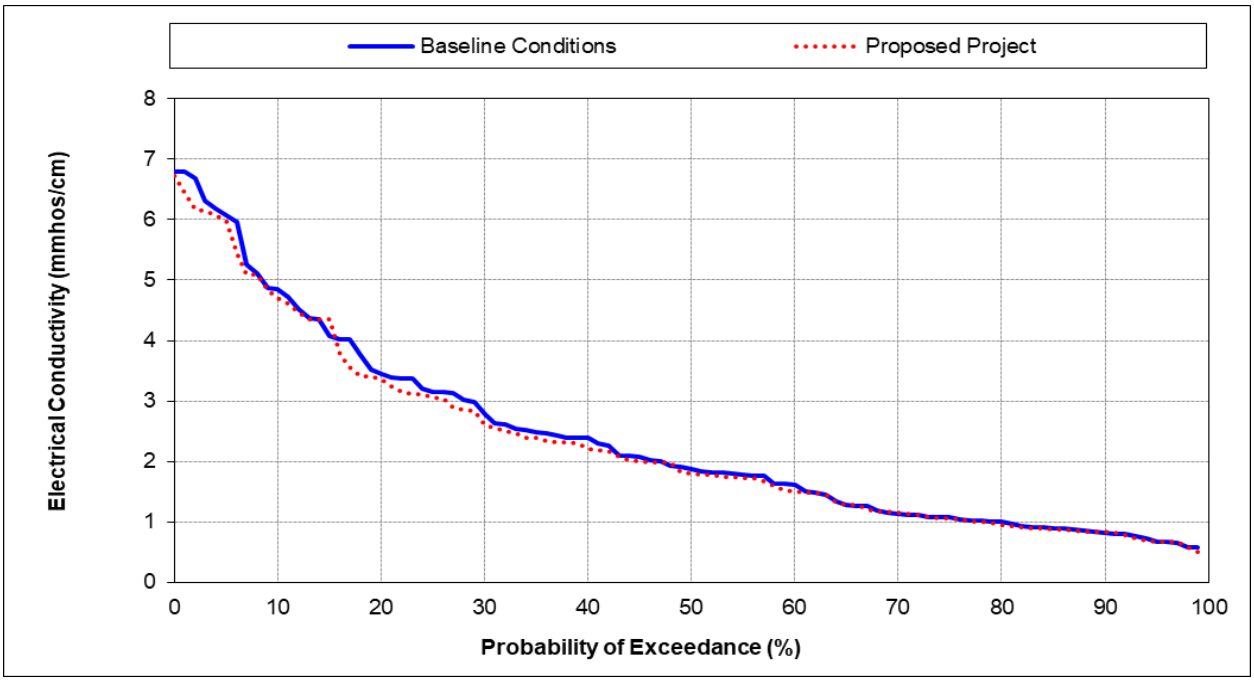

Figure 5B-18i. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), March

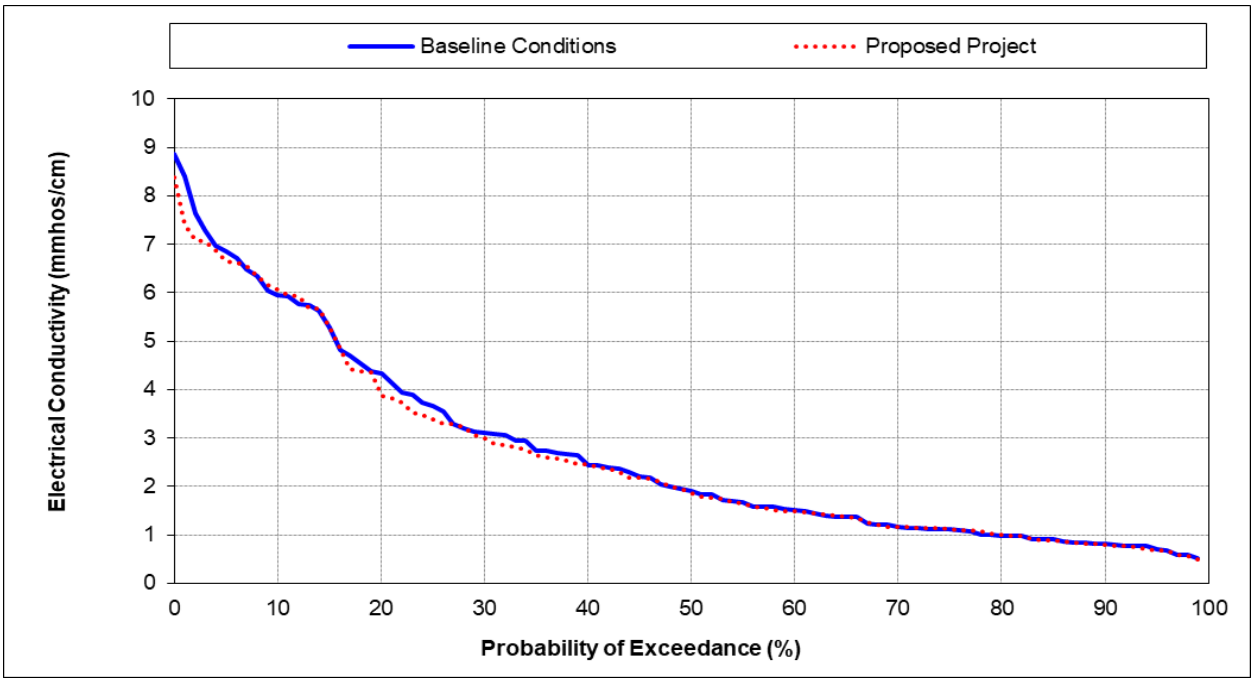

Figure 5B-18j. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), April

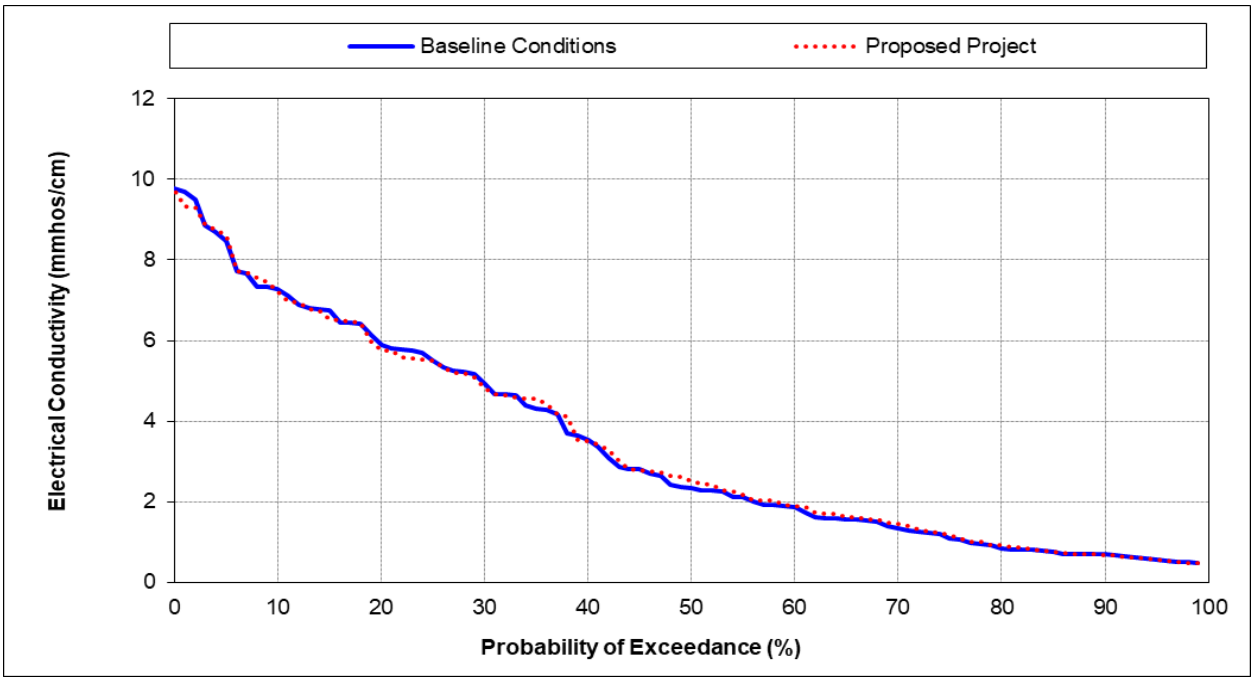

Figure 5B-18k. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), May

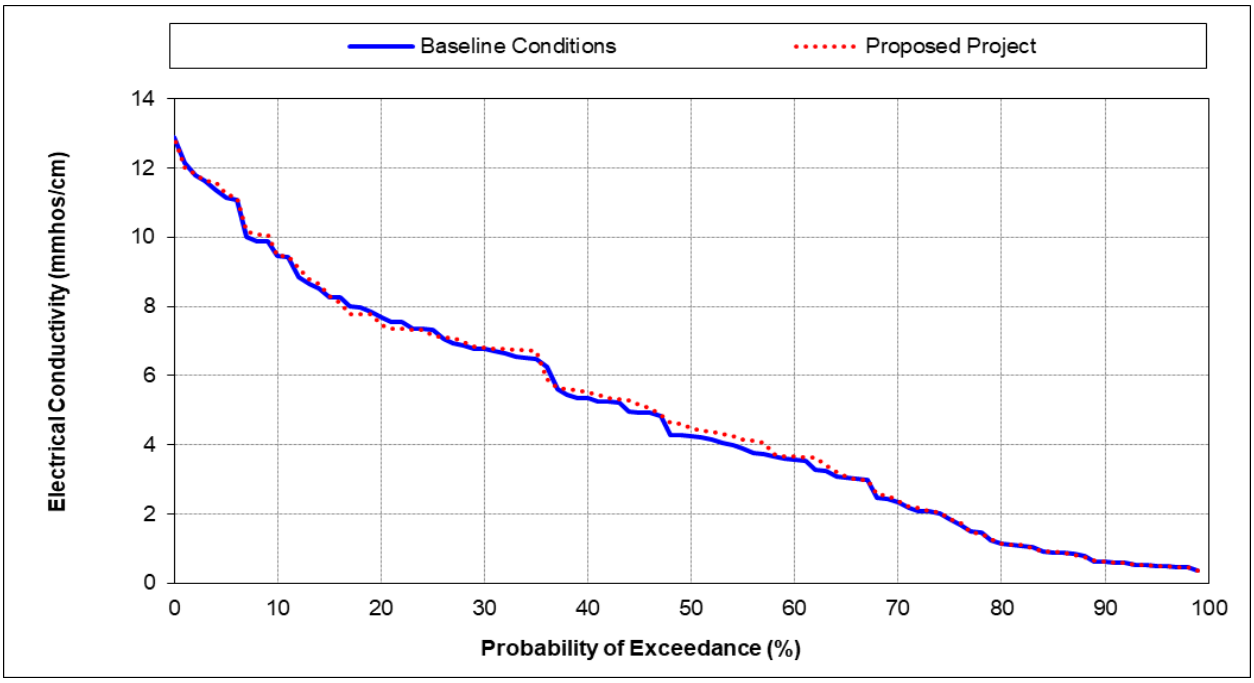

Figure 5B-18l. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), June

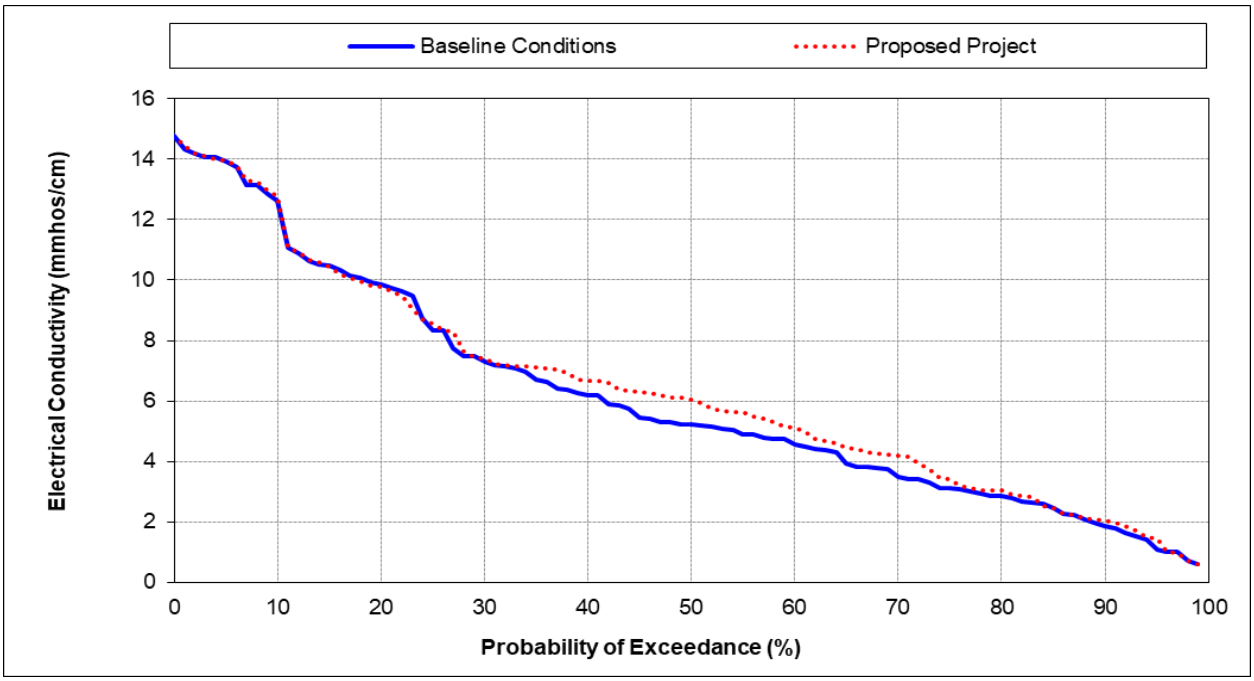

Figure 5B-18m. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), July

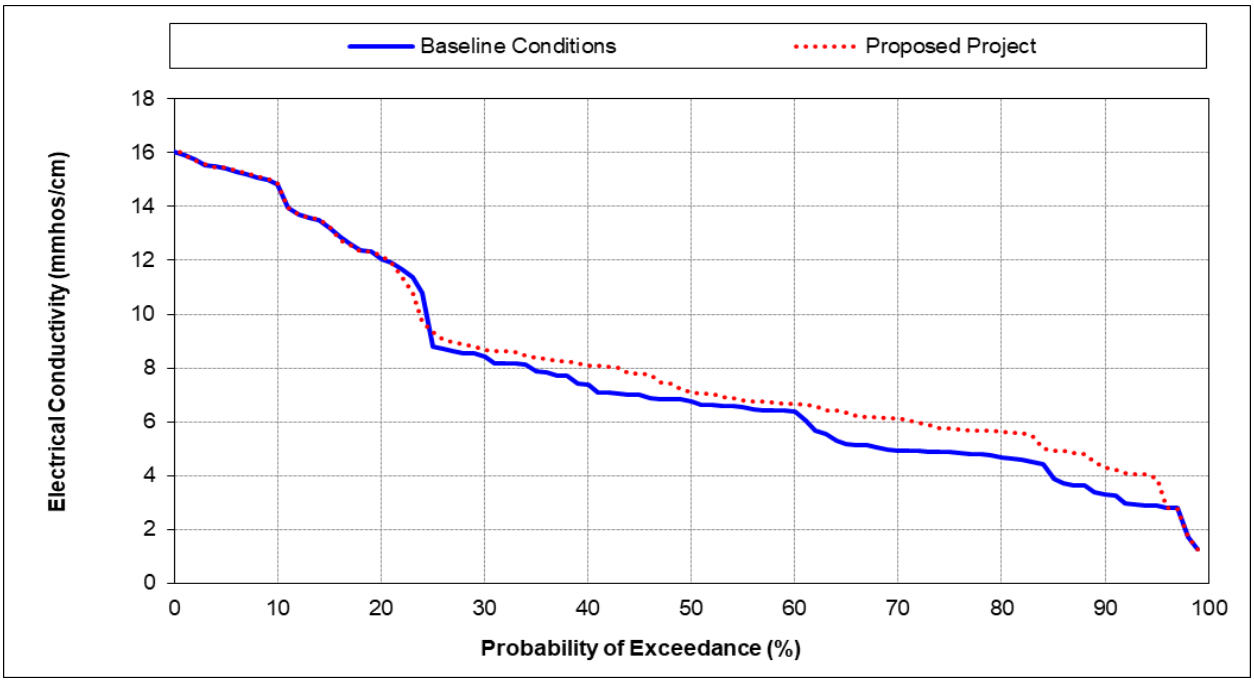

Figure 5B-18n. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), August

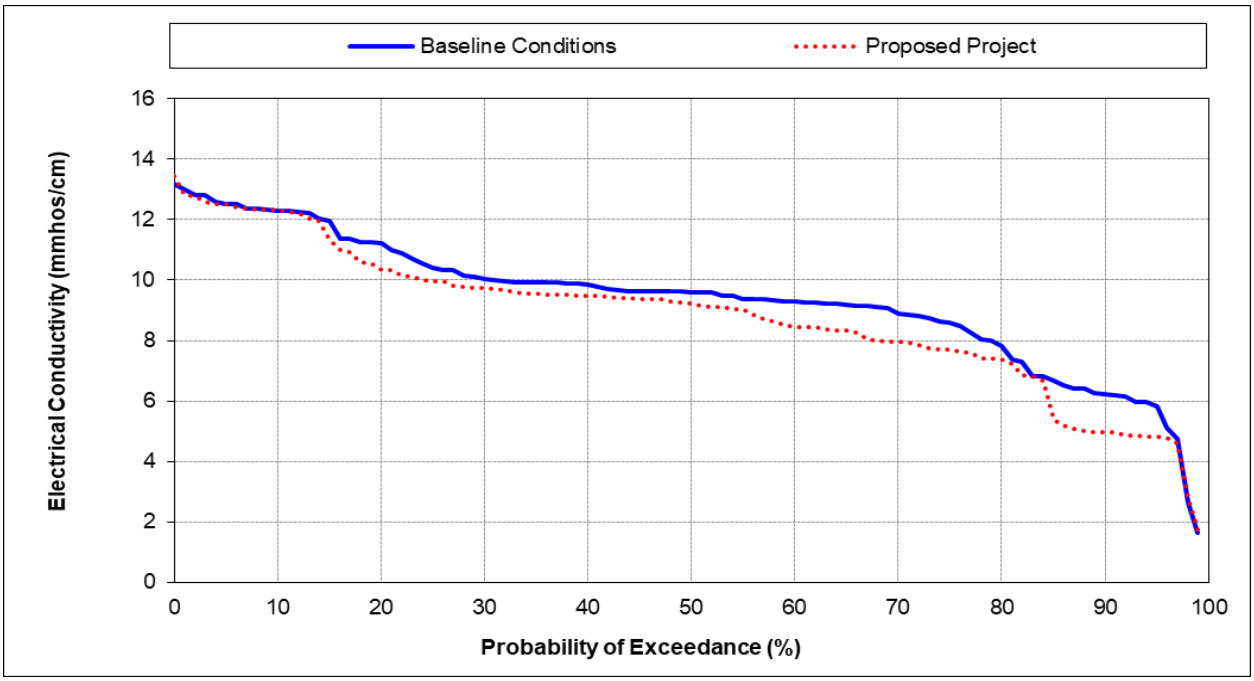

Figure 5B-18o. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), September

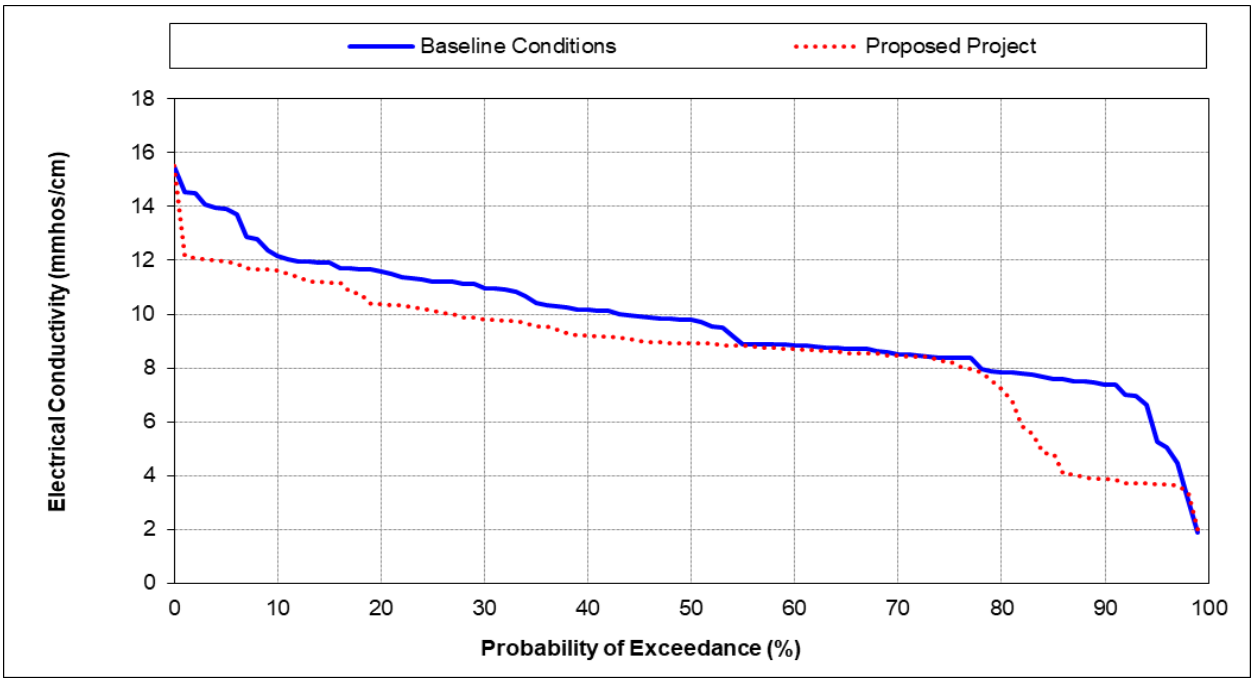

Figure 5B-18p. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), October

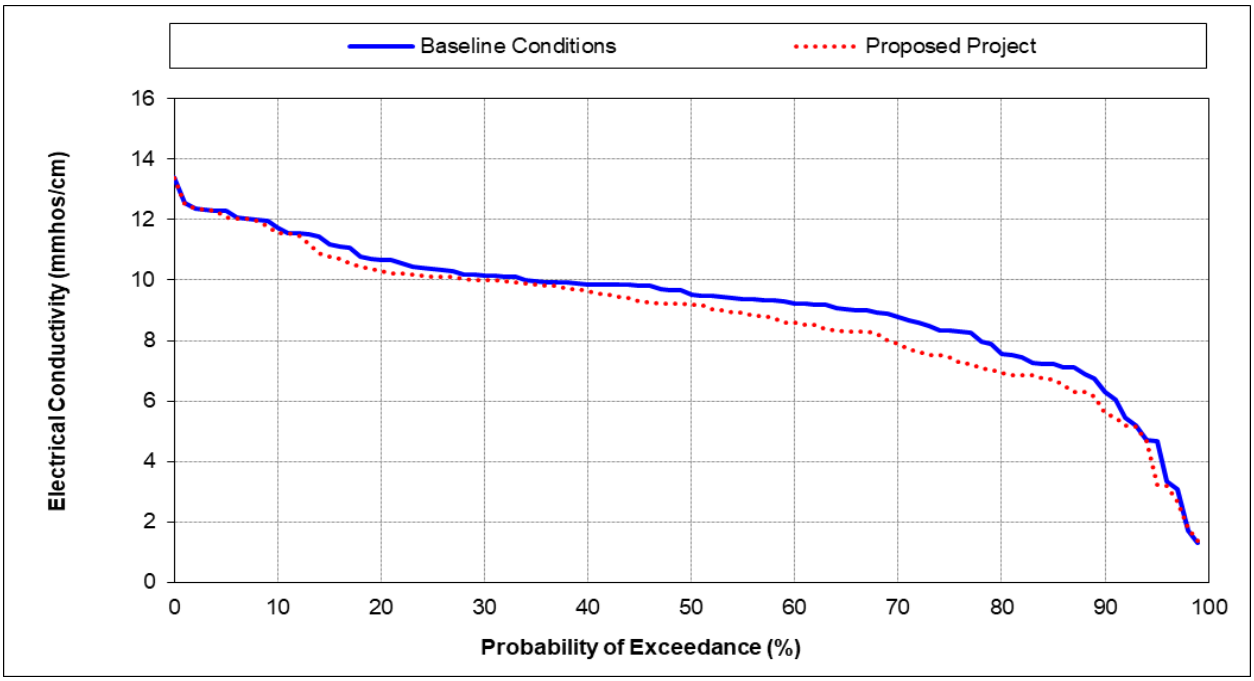

Figure 5B-18q. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), November

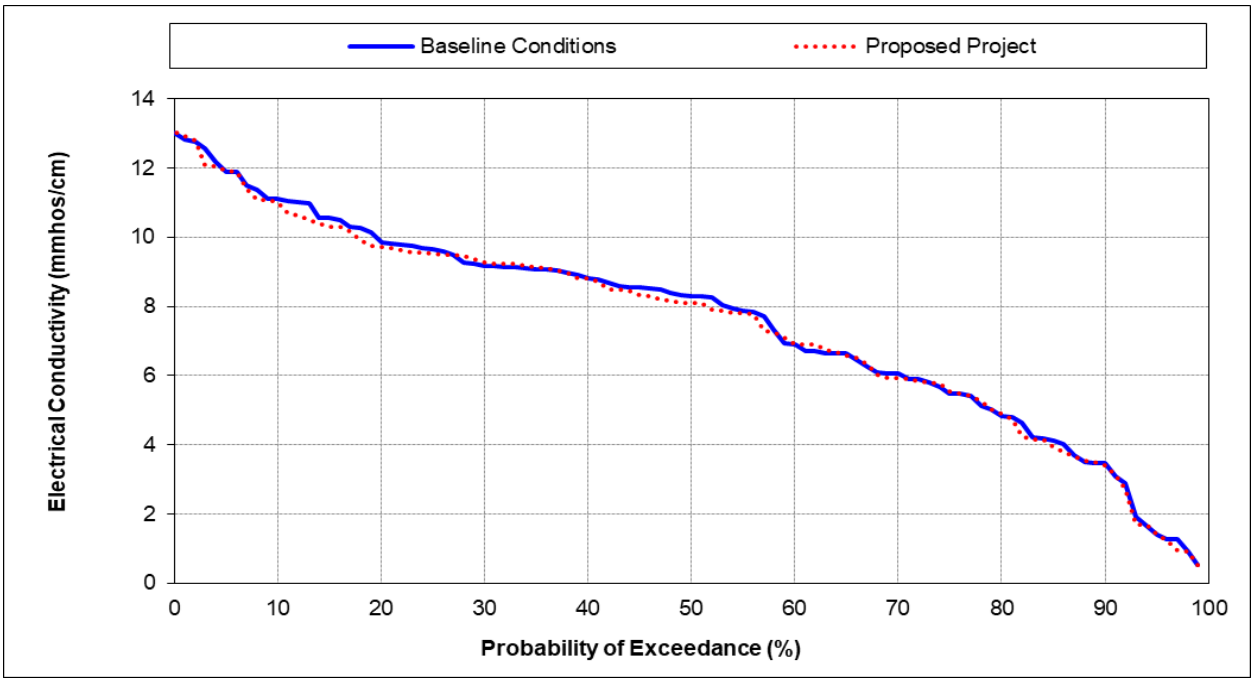

Figure 5B-18r. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), December