Appendix 5B2

# Electrical Conductivity

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This appendix is entirely new for the Final Environmental Impact Report (FEIR) and was not included as part of the Draft Environmental Impact Report. This appendix replaces Appendix 5B1 in its entirety in the FEIR. It is presented without strikethrough and underline for clarity and 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% | 4198 | 4651 | 3087 | 2157 | 944 | 930 | 898 | 1482 | 2253 | 2328 | 2925 | 3536 |
| 1% | 4134 | 4032 | 2920 | 1890 | 942 | 924 | 886 | 1447 | 2231 | 2286 | 2847 | 3499 |
| 5% | 3858 | 3767 | 2574 | 1502 | 683 | 464 | 661 | 1213 | 2041 | 2047 | 2648 | 3329 |
| 10% | 3639 | 3135 | 2168 | 1226 | 441 | 345 | 421 | 706 | 1506 | 1947 | 2524 | 3261 |
| 25% | 2872 | 2670 | 1570 | 644 | 267 | 214 | 289 | 359 | 622 | 937 | 1883 | 2641 |
| 50% | 1973 | 1493 | 744 | 272 | 197 | 193 | 202 | 212 | 427 | 484 | 910 | 1636 |
| 75% | 391 | 732 | 266 | 185 | 183 | 182 | 186 | 183 | 200 | 305 | 532 | 409 |
| 99.9% | 179 | 181 | 177 | 177 | 177 | 177 | 176 | 174 | 173 | 175 | 179 | 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 | 1753 | 1665 | 984 | 504 | 268 | 241 | 273 | 359 | 587 | 734 | 1227 | 1590 |
| Wet Water Years | 1359 | 1077 | 358 | 216 | 182 | 182 | 184 | 186 | 219 | 265 | 461 | 363 |
| Above Normal Water Years | 1797 | 1614 | 861 | 237 | 189 | 185 | 191 | 196 | 282 | 310 | 535 | 410 |
| Below Normal Water Years | 1487 | 1534 | 1135 | 463 | 226 | 197 | 221 | 241 | 480 | 518 | 1008 | 1678 |
| Dry Water Years | 1735 | 1775 | 1192 | 761 | 330 | 257 | 305 | 386 | 651 | 952 | 1847 | 2577 |
| Critical Water Years | 2834 | 2825 | 1760 | 927 | 453 | 424 | 518 | 911 | 1538 | 1892 | 2574 | 3230 |

**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% | 4153 | 4630 | 3079 | 2157 | 967 | 935 | 913 | 1695 | 2451 | 2303 | 2926 | 3548 |
| 1% | 4131 | 4032 | 2910 | 1866 | 914 | 866 | 896 | 1433 | 2221 | 2296 | 2840 | 3500 |
| 5% | 3861 | 3776 | 2432 | 1488 | 669 | 456 | 672 | 1259 | 2029 | 2150 | 2661 | 3345 |
| 10% | 3630 | 3093 | 2086 | 1191 | 432 | 311 | 428 | 723 | 1545 | 1973 | 2530 | 3284 |
| 25% | 2888 | 2670 | 1552 | 680 | 270 | 210 | 276 | 344 | 620 | 940 | 1984 | 2797 |
| 50% | 2107 | 1566 | 737 | 272 | 197 | 193 | 202 | 215 | 421 | 481 | 858 | 1673 |
| 75% | 389 | 720 | 268 | 185 | 183 | 182 | 185 | 183 | 197 | 297 | 578 | 416 |
| 99.9% | 179 | 181 | 177 | 177 | 177 | 177 | 176 | 174 | 173 | 175 | 179 | 179 |

**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 | 1793 | 1669 | 978 | 503 | 266 | 237 | 269 | 362 | 585 | 735 | 1246 | 1631 |
| Wet Water Years | 1403 | 1087 | 355 | 212 | 182 | 182 | 184 | 189 | 216 | 263 | 494 | 374 |
| Above Normal Water Years | 1810 | 1575 | 817 | 239 | 189 | 185 | 190 | 198 | 272 | 306 | 578 | 400 |
| Below Normal Water Years | 1539 | 1549 | 1132 | 460 | 226 | 197 | 217 | 242 | 470 | 515 | 961 | 1782 |
| Dry Water Years | 1763 | 1785 | 1195 | 762 | 323 | 248 | 292 | 385 | 650 | 957 | 1918 | 2650 |
| Critical Water Years | 2886 | 2825 | 1761 | 934 | 448 | 416 | 520 | 924 | 1552 | 1896 | 2569 | 3238 |

**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% | -45 | -21 | -8 | 1 | 23 | 6 | 14 | 214 | 198 | -25 | 1 | 12 |
| 1% | -3 | 0 | -10 | -24 | -28 | -58 | 11 | -15 | -10 | 10 | -7 | 1 |
| 5% | 3 | 9 | -142 | -13 | -14 | -8 | 12 | 46 | -12 | 102 | 13 | 16 |
| 10% | -9 | -42 | -82 | -36 | -10 | -34 | 7 | 18 | 39 | 26 | 7 | 24 |
| 25% | 16 | 1 | -18 | 36 | 3 | -4 | -12 | -15 | -2 | 2 | 102 | 156 |
| 50% | 134 | 73 | -7 | 0 | 0 | 0 | -1 | 3 | -6 | -4 | -53 | 36 |
| 75% | -2 | -11 | 3 | 0 | 0 | 0 | 0 | 0 | -4 | -8 | 46 | 7 |
| 99.9% | 0 | 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 | 40 | 4 | -6 | -1 | -2 | -3 | -4 | 3 | -2 | 0 | 20 | 41 |
| Wet Water Years | 43 | 10 | -3 | -4 | 0 | 0 | 0 | 3 | -4 | -2 | 34 | 12 |
| Above Normal Water Years | 13 | -39 | -44 | 2 | 0 | 0 | 0 | 2 | -10 | -4 | 43 | -10 |
| Below Normal Water Years | 52 | 15 | -3 | -3 | 1 | -1 | -5 | 1 | -10 | -2 | -47 | 103 |
| Dry Water Years | 27 | 10 | 2 | 0 | -7 | -9 | -13 | -2 | 0 | 5 | 71 | 73 |
| Critical Water Years | 52 | 0 | 1 | 7 | -6 | -8 | 2 | 12 | 14 | 4 | -5 | 8 |

**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% | 216 | 227 | 248 | 257 | 272 | 269 | 237 | 221 | 202 | 194 | 200 | 203 |
| 1% | 213 | 226 | 242 | 257 | 263 | 266 | 230 | 220 | 201 | 193 | 197 | 203 |
| 5% | 204 | 216 | 229 | 250 | 259 | 243 | 228 | 218 | 198 | 191 | 196 | 192 |
| 10% | 201 | 210 | 224 | 236 | 254 | 238 | 222 | 208 | 195 | 190 | 194 | 190 |
| 25% | 188 | 200 | 218 | 226 | 236 | 225 | 214 | 200 | 190 | 186 | 190 | 187 |
| 50% | 184 | 193 | 207 | 213 | 222 | 208 | 198 | 189 | 187 | 183 | 183 | 181 |
| 75% | 182 | 189 | 201 | 203 | 204 | 193 | 188 | 178 | 180 | 181 | 180 | 177 |
| 99.9% | 178 | 184 | 183 | 173 | 172 | 179 | 169 | 167 | 168 | 173 | 179 | 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 | 196 | 209 | 214 | 221 | 211 | 200 | 190 | 186 | 183 | 185 | 182 |
| Wet Water Years | 185 | 194 | 204 | 197 | 197 | 191 | 183 | 175 | 178 | 179 | 180 | 177 |
| Above Normal Water Years | 189 | 200 | 215 | 211 | 212 | 199 | 191 | 184 | 183 | 181 | 180 | 178 |
| Below Normal Water Years | 187 | 194 | 209 | 219 | 225 | 210 | 200 | 190 | 187 | 183 | 183 | 181 |
| Dry Water Years | 186 | 193 | 210 | 223 | 237 | 224 | 211 | 198 | 188 | 185 | 189 | 186 |
| Critical Water Years | 194 | 202 | 215 | 228 | 246 | 239 | 222 | 211 | 196 | 191 | 195 | 193 |

**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% | 216 | 227 | 248 | 257 | 272 | 269 | 237 | 221 | 202 | 194 | 200 | 203 |
| 1% | 213 | 226 | 242 | 257 | 263 | 266 | 230 | 220 | 201 | 193 | 197 | 203 |
| 5% | 204 | 216 | 229 | 250 | 259 | 243 | 228 | 218 | 198 | 191 | 196 | 192 |
| 10% | 201 | 210 | 224 | 236 | 254 | 238 | 222 | 208 | 195 | 190 | 194 | 190 |
| 25% | 188 | 200 | 218 | 226 | 236 | 225 | 214 | 200 | 190 | 186 | 190 | 187 |
| 50% | 184 | 193 | 207 | 213 | 222 | 208 | 198 | 189 | 187 | 183 | 183 | 181 |
| 75% | 182 | 189 | 201 | 203 | 204 | 193 | 188 | 178 | 180 | 181 | 180 | 177 |
| 99.9% | 178 | 184 | 183 | 173 | 172 | 179 | 169 | 167 | 168 | 173 | 179 | 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 | 214 | 222 | 211 | 200 | 189 | 186 | 183 | 185 | 182 |
| Wet Water Years | 185 | 194 | 204 | 197 | 197 | 191 | 183 | 175 | 178 | 179 | 180 | 177 |
| Above Normal Water Years | 189 | 200 | 215 | 211 | 212 | 199 | 191 | 184 | 183 | 181 | 180 | 178 |
| Below Normal Water Years | 187 | 194 | 209 | 219 | 225 | 210 | 200 | 189 | 187 | 183 | 183 | 181 |
| Dry Water Years | 185 | 192 | 210 | 223 | 238 | 224 | 211 | 197 | 188 | 185 | 189 | 186 |
| Critical Water Years | 194 | 201 | 215 | 228 | 247 | 240 | 222 | 210 | 196 | 191 | 195 | 193 |

**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% | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -1 | 0 | 1 |
| 1% | 1 | 0 | 0 | -1 | 1 | -1 | 0 | 0 | 0 | 0 | 2 | 0 |
| 5% | -1 | 0 | 2 | 0 | -1 | 0 | 0 | -1 | 0 | 0 | 0 | 0 |
| 10% | -1 | -2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25% | 0 | -1 | 0 | 0 | 0 | 0 | 0 | -1 | 0 | 0 | 1 | 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 | 0 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Below Normal Water Years | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dry Water Years | -1 | 0 | 0 | 0 | 0 | 0 | 0 | -1 | 0 | 0 | 0 | 0 |
| Critical Water Years | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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% | 705 | 805 | 833 | 907 | 832 | 683 | 571 | 498 | 493 | 571 | 590 | 683 |
| 1% | 696 | 781 | 796 | 840 | 816 | 682 | 565 | 494 | 480 | 500 | 559 | 601 |
| 5% | 657 | 744 | 774 | 770 | 711 | 638 | 534 | 468 | 460 | 470 | 501 | 576 |
| 10% | 627 | 702 | 743 | 746 | 641 | 598 | 522 | 456 | 434 | 426 | 474 | 547 |
| 25% | 578 | 586 | 718 | 699 | 577 | 539 | 498 | 433 | 347 | 324 | 408 | 508 |
| 50% | 518 | 520 | 648 | 609 | 502 | 491 | 455 | 387 | 317 | 293 | 335 | 433 |
| 75% | 278 | 310 | 525 | 458 | 415 | 366 | 276 | 265 | 273 | 246 | 263 | 294 |
| 99.9% | 192 | 248 | 176 | 113 | 107 | 105 | 98 | 97 | 97 | 119 | 159 | 212 |

**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 | 450 | 478 | 611 | 575 | 487 | 450 | 389 | 342 | 307 | 301 | 345 | 409 |
| Wet Water Years | 419 | 437 | 526 | 457 | 353 | 299 | 233 | 218 | 209 | 225 | 251 | 274 |
| Above Normal Water Years | 470 | 489 | 658 | 589 | 512 | 474 | 379 | 333 | 291 | 260 | 264 | 299 |
| Below Normal Water Years | 417 | 449 | 601 | 591 | 517 | 484 | 409 | 347 | 317 | 293 | 361 | 496 |
| Dry Water Years | 438 | 464 | 645 | 629 | 556 | 522 | 494 | 431 | 344 | 336 | 420 | 474 |
| Critical Water Years | 553 | 604 | 705 | 693 | 587 | 573 | 516 | 456 | 435 | 432 | 451 | 533 |

**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% | 707 | 804 | 834 | 907 | 841 | 686 | 572 | 498 | 506 | 573 | 554 | 683 |
| 1% | 696 | 784 | 799 | 841 | 841 | 679 | 563 | 494 | 490 | 499 | 539 | 590 |
| 5% | 656 | 745 | 776 | 782 | 712 | 644 | 535 | 468 | 464 | 468 | 502 | 561 |
| 10% | 620 | 703 | 751 | 752 | 648 | 610 | 523 | 455 | 435 | 429 | 473 | 547 |
| 25% | 582 | 599 | 713 | 697 | 597 | 555 | 501 | 433 | 348 | 324 | 420 | 512 |
| 50% | 528 | 523 | 654 | 620 | 515 | 508 | 458 | 383 | 324 | 290 | 340 | 451 |
| 75% | 287 | 308 | 529 | 463 | 428 | 367 | 281 | 261 | 289 | 246 | 273 | 311 |
| 99.9% | 191 | 248 | 176 | 113 | 107 | 106 | 98 | 97 | 97 | 119 | 159 | 209 |

**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 | 453 | 480 | 611 | 579 | 497 | 458 | 391 | 342 | 310 | 299 | 349 | 418 |
| Wet Water Years | 422 | 442 | 526 | 459 | 355 | 299 | 234 | 213 | 213 | 225 | 256 | 285 |
| Above Normal Water Years | 477 | 489 | 658 | 600 | 524 | 481 | 384 | 324 | 298 | 257 | 274 | 317 |
| Below Normal Water Years | 422 | 450 | 602 | 595 | 529 | 499 | 412 | 354 | 320 | 289 | 364 | 491 |
| Dry Water Years | 439 | 464 | 645 | 626 | 574 | 535 | 499 | 433 | 348 | 334 | 426 | 494 |
| Critical Water Years | 557 | 608 | 704 | 702 | 596 | 580 | 515 | 455 | 434 | 434 | 451 | 534 |

**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% | 1 | -1 | 0 | 0 | 9 | 3 | 1 | -1 | 13 | 2 | -36 | 0 |
| 1% | 0 | 3 | 3 | 1 | 25 | -4 | -2 | -1 | 11 | -1 | -20 | -10 |
| 5% | -1 | 1 | 2 | 12 | 1 | 6 | 1 | -1 | 4 | -2 | 1 | -15 |
| 10% | -7 | 2 | 8 | 5 | 7 | 12 | 1 | -1 | 2 | 2 | -1 | 0 |
| 25% | 4 | 13 | -5 | -2 | 20 | 17 | 3 | -1 | 1 | 0 | 12 | 4 |
| 50% | 10 | 4 | 6 | 10 | 12 | 17 | 3 | -4 | 7 | -3 | 6 | 18 |
| 75% | 8 | -2 | 4 | 5 | 13 | 2 | 5 | -4 | 16 | 0 | 10 | 17 |
| 99.9% | -1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -2 |

**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 | 4 | 2 | 0 | 4 | 10 | 8 | 3 | -1 | 3 | -1 | 4 | 9 |
| Wet Water Years | 3 | 5 | 1 | 2 | 2 | 0 | 1 | -5 | 4 | 0 | 4 | 12 |
| Above Normal Water Years | 7 | -1 | 0 | 11 | 12 | 7 | 5 | -10 | 7 | -3 | 10 | 18 |
| Below Normal Water Years | 5 | 1 | 2 | 4 | 12 | 15 | 3 | 7 | 3 | -3 | 2 | -5 |
| Dry Water Years | 1 | 0 | -1 | -4 | 18 | 13 | 5 | 2 | 4 | -2 | 6 | 20 |
| Critical Water Years | 5 | 4 | 0 | 10 | 9 | 7 | -1 | -1 | 0 | 1 | 1 | 1 |

**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% | 692 | 794 | 818 | 888 | 888 | 723 | 583 | 495 | 495 | 568 | 591 | 676 |
| 1% | 688 | 772 | 815 | 859 | 864 | 721 | 577 | 491 | 484 | 501 | 564 | 600 |
| 5% | 643 | 739 | 784 | 780 | 740 | 676 | 553 | 474 | 465 | 474 | 501 | 571 |
| 10% | 621 | 697 | 740 | 754 | 663 | 647 | 543 | 466 | 440 | 429 | 483 | 552 |
| 25% | 576 | 612 | 712 | 711 | 602 | 573 | 526 | 442 | 370 | 353 | 420 | 507 |
| 50% | 526 | 544 | 655 | 637 | 527 | 520 | 470 | 386 | 341 | 324 | 347 | 441 |
| 75% | 335 | 383 | 549 | 496 | 445 | 366 | 269 | 262 | 301 | 285 | 306 | 331 |
| 99.9% | 185 | 295 | 184 | 118 | 114 | 110 | 102 | 99 | 99 | 116 | 149 | 227 |

**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 | 471 | 519 | 620 | 591 | 508 | 471 | 401 | 344 | 321 | 326 | 365 | 426 |
| Wet Water Years | 444 | 487 | 545 | 476 | 366 | 302 | 231 | 213 | 216 | 252 | 282 | 309 |
| Above Normal Water Years | 492 | 539 | 673 | 613 | 539 | 490 | 381 | 329 | 309 | 304 | 307 | 332 |
| Below Normal Water Years | 443 | 499 | 607 | 607 | 540 | 505 | 424 | 350 | 338 | 325 | 382 | 502 |
| Dry Water Years | 463 | 500 | 648 | 642 | 581 | 554 | 519 | 437 | 365 | 356 | 427 | 482 |
| Critical Water Years | 554 | 616 | 702 | 702 | 613 | 617 | 540 | 461 | 442 | 436 | 451 | 532 |

**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% | 693 | 793 | 819 | 888 | 894 | 722 | 583 | 495 | 508 | 571 | 557 | 675 |
| 1% | 688 | 774 | 816 | 860 | 881 | 721 | 576 | 491 | 492 | 500 | 548 | 590 |
| 5% | 646 | 740 | 789 | 786 | 723 | 675 | 551 | 473 | 468 | 471 | 510 | 568 |
| 10% | 613 | 699 | 743 | 755 | 666 | 650 | 544 | 464 | 440 | 434 | 480 | 547 |
| 25% | 579 | 628 | 714 | 707 | 621 | 584 | 523 | 439 | 368 | 349 | 426 | 516 |
| 50% | 529 | 546 | 658 | 641 | 535 | 536 | 471 | 382 | 343 | 322 | 351 | 463 |
| 75% | 339 | 383 | 548 | 501 | 451 | 367 | 272 | 258 | 312 | 285 | 310 | 345 |
| 99.9% | 185 | 295 | 184 | 118 | 114 | 110 | 102 | 99 | 99 | 116 | 149 | 226 |

**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 | 473 | 521 | 620 | 594 | 516 | 477 | 402 | 342 | 323 | 324 | 369 | 434 |
| Wet Water Years | 446 | 491 | 546 | 478 | 368 | 302 | 231 | 210 | 218 | 251 | 285 | 319 |
| Above Normal Water Years | 496 | 540 | 673 | 622 | 549 | 495 | 383 | 322 | 314 | 302 | 314 | 349 |
| Below Normal Water Years | 446 | 500 | 608 | 610 | 550 | 516 | 426 | 352 | 340 | 322 | 385 | 499 |
| Dry Water Years | 463 | 500 | 647 | 639 | 595 | 564 | 522 | 438 | 368 | 354 | 433 | 500 |
| Critical Water Years | 558 | 619 | 701 | 711 | 619 | 622 | 540 | 460 | 441 | 438 | 452 | 533 |

**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% | 1 | -1 | 1 | 0 | 6 | -1 | 1 | 0 | 13 | 3 | -34 | 0 |
| 1% | 0 | 2 | 1 | 1 | 17 | 0 | -1 | 0 | 8 | -1 | -16 | -10 |
| 5% | 3 | 1 | 5 | 6 | -16 | -1 | -1 | -1 | 3 | -3 | 9 | -4 |
| 10% | -8 | 2 | 2 | 0 | 3 | 3 | 1 | -2 | 0 | 4 | -3 | -5 |
| 25% | 3 | 16 | 2 | -3 | 19 | 10 | -2 | -3 | -2 | -5 | 6 | 9 |
| 50% | 4 | 2 | 4 | 3 | 8 | 16 | 1 | -4 | 2 | -2 | 4 | 22 |
| 75% | 4 | 0 | -1 | 5 | 6 | 2 | 3 | -3 | 12 | 0 | 4 | 14 |
| 99.9% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -1 |

**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 | 3 | 2 | 0 | 3 | 8 | 6 | 1 | -1 | 2 | -1 | 4 | 8 |
| Wet Water Years | 2 | 4 | 1 | 2 | 2 | 0 | 1 | -3 | 2 | -1 | 3 | 10 |
| Above Normal Water Years | 5 | 1 | 0 | 9 | 10 | 5 | 2 | -7 | 4 | -3 | 7 | 17 |
| Below Normal Water Years | 3 | 1 | 1 | 3 | 10 | 12 | 2 | 2 | 2 | -3 | 2 | -4 |
| Dry Water Years | 1 | 0 | -1 | -3 | 14 | 10 | 3 | 1 | 2 | -2 | 6 | 18 |
| Critical Water Years | 4 | 3 | 0 | 9 | 6 | 6 | 0 | -1 | 0 | 1 | 1 | 1 |

**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% | 2452 | 2463 | 2112 | 2111 | 1002 | 634 | 537 | 771 | 1319 | 1886 | 1740 | 2071 |
| 1% | 2347 | 2277 | 2028 | 1857 | 954 | 565 | 495 | 709 | 1129 | 1347 | 1659 | 2009 |
| 5% | 2215 | 2205 | 1891 | 1397 | 794 | 420 | 400 | 589 | 926 | 1212 | 1457 | 1903 |
| 10% | 1982 | 2080 | 1818 | 1203 | 661 | 342 | 317 | 391 | 688 | 1178 | 1396 | 1846 |
| 25% | 1739 | 1770 | 1680 | 922 | 384 | 269 | 265 | 287 | 380 | 848 | 1208 | 1724 |
| 50% | 1433 | 1529 | 1315 | 487 | 269 | 234 | 239 | 246 | 284 | 595 | 936 | 1502 |
| 75% | 319 | 898 | 621 | 236 | 221 | 219 | 220 | 214 | 206 | 294 | 602 | 520 |
| 99.9% | 187 | 199 | 194 | 170 | 177 | 165 | 150 | 147 | 149 | 162 | 180 | 187 |

**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 | 1135 | 1325 | 1170 | 625 | 349 | 262 | 254 | 279 | 359 | 615 | 908 | 1189 |
| Wet Water Years | 994 | 1120 | 682 | 291 | 221 | 209 | 201 | 192 | 196 | 262 | 482 | 448 |
| Above Normal Water Years | 1158 | 1335 | 1223 | 428 | 242 | 228 | 235 | 226 | 234 | 328 | 610 | 489 |
| Below Normal Water Years | 1005 | 1236 | 1287 | 660 | 315 | 243 | 248 | 254 | 318 | 678 | 1129 | 1709 |
| Dry Water Years | 1074 | 1380 | 1423 | 904 | 460 | 285 | 268 | 300 | 406 | 910 | 1172 | 1644 |
| Critical Water Years | 1641 | 1743 | 1550 | 958 | 555 | 382 | 352 | 482 | 739 | 988 | 1256 | 1749 |

**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% | 2450 | 2467 | 2121 | 2116 | 964 | 598 | 529 | 869 | 1471 | 1754 | 1743 | 2078 |
| 1% | 2352 | 2275 | 2093 | 1866 | 915 | 547 | 508 | 676 | 1136 | 1323 | 1643 | 2010 |
| 5% | 2228 | 2197 | 1922 | 1347 | 734 | 417 | 400 | 595 | 917 | 1226 | 1488 | 1897 |
| 10% | 1981 | 2086 | 1850 | 1207 | 630 | 333 | 322 | 409 | 726 | 1169 | 1439 | 1832 |
| 25% | 1769 | 1769 | 1677 | 950 | 376 | 268 | 263 | 284 | 365 | 851 | 1241 | 1719 |
| 50% | 1525 | 1554 | 1272 | 490 | 268 | 236 | 239 | 248 | 271 | 578 | 974 | 1579 |
| 75% | 328 | 892 | 625 | 235 | 222 | 218 | 220 | 210 | 204 | 290 | 658 | 612 |
| 99.9% | 187 | 199 | 194 | 170 | 177 | 165 | 150 | 147 | 149 | 162 | 180 | 188 |

**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 | 1156 | 1332 | 1170 | 623 | 344 | 260 | 253 | 280 | 354 | 611 | 951 | 1227 |
| Wet Water Years | 1021 | 1134 | 678 | 286 | 221 | 209 | 200 | 192 | 194 | 260 | 537 | 521 |
| Above Normal Water Years | 1176 | 1310 | 1234 | 435 | 244 | 229 | 234 | 223 | 227 | 331 | 693 | 547 |
| Below Normal Water Years | 1020 | 1246 | 1285 | 652 | 312 | 244 | 249 | 251 | 301 | 655 | 1128 | 1698 |
| Dry Water Years | 1089 | 1399 | 1413 | 896 | 452 | 279 | 265 | 301 | 400 | 909 | 1249 | 1700 |
| Critical Water Years | 1669 | 1740 | 1566 | 974 | 540 | 372 | 352 | 491 | 749 | 995 | 1264 | 1750 |

**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% | -2 | 4 | 9 | 5 | -38 | -37 | -8 | 97 | 152 | -132 | 3 | 7 |
| 1% | 5 | -2 | 65 | 9 | -39 | -18 | 14 | -32 | 7 | -24 | -17 | 1 |
| 5% | 13 | -8 | 31 | -50 | -60 | -3 | 0 | 6 | -8 | 13 | 31 | -6 |
| 10% | -2 | 6 | 32 | 3 | -32 | -8 | 5 | 18 | 38 | -10 | 43 | -14 |
| 25% | 30 | -1 | -3 | 28 | -7 | -2 | -2 | -3 | -15 | 3 | 33 | -5 |
| 50% | 92 | 26 | -43 | 4 | -1 | 2 | -1 | 2 | -13 | -18 | 38 | 77 |
| 75% | 8 | -6 | 4 | 0 | 1 | -1 | 0 | -4 | -2 | -5 | 56 | 92 |
| 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 | 21 | 7 | 0 | -2 | -5 | -2 | -1 | 1 | -5 | -5 | 44 | 38 |
| Wet Water Years | 27 | 14 | -4 | -6 | -1 | 0 | -1 | 0 | -2 | -3 | 55 | 73 |
| Above Normal Water Years | 17 | -25 | 11 | 7 | 2 | 2 | -1 | -3 | -7 | 4 | 83 | 59 |
| Below Normal Water Years | 15 | 10 | -1 | -8 | -3 | 2 | 0 | -4 | -17 | -23 | -1 | -11 |
| Dry Water Years | 16 | 19 | -10 | -8 | -9 | -6 | -3 | 2 | -6 | -2 | 78 | 56 |
| Critical Water Years | 28 | -3 | 16 | 16 | -15 | -10 | 0 | 9 | 11 | 6 | 7 | 1 |

**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% | 599 | 645 | 724 | 740 | 528 | 473 | 399 | 342 | 343 | 431 | 464 | 506 |
| 1% | 581 | 587 | 711 | 612 | 493 | 375 | 382 | 341 | 325 | 339 | 424 | 500 |
| 5% | 538 | 572 | 670 | 542 | 432 | 328 | 353 | 328 | 311 | 318 | 375 | 459 |
| 10% | 480 | 529 | 638 | 493 | 383 | 317 | 334 | 315 | 273 | 306 | 341 | 428 |
| 25% | 401 | 435 | 562 | 440 | 331 | 289 | 317 | 291 | 232 | 254 | 318 | 379 |
| 50% | 352 | 372 | 471 | 346 | 285 | 262 | 284 | 270 | 222 | 228 | 265 | 337 |
| 75% | 210 | 267 | 323 | 265 | 251 | 247 | 258 | 235 | 209 | 201 | 222 | 219 |
| 99.9% | 185 | 206 | 198 | 148 | 150 | 136 | 118 | 115 | 112 | 129 | 162 | 187 |

**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 | 328 | 365 | 454 | 360 | 296 | 266 | 275 | 254 | 220 | 235 | 272 | 314 |
| Wet Water Years | 304 | 339 | 362 | 287 | 256 | 234 | 213 | 189 | 178 | 190 | 213 | 214 |
| Above Normal Water Years | 342 | 389 | 489 | 328 | 298 | 291 | 300 | 253 | 215 | 203 | 222 | 219 |
| Below Normal Water Years | 309 | 337 | 465 | 361 | 299 | 278 | 309 | 276 | 222 | 239 | 302 | 399 |
| Dry Water Years | 312 | 351 | 512 | 416 | 317 | 263 | 293 | 287 | 232 | 269 | 314 | 357 |
| Critical Water Years | 408 | 449 | 511 | 437 | 338 | 296 | 307 | 304 | 283 | 289 | 321 | 397 |

**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% | 577 | 648 | 720 | 740 | 531 | 475 | 400 | 341 | 363 | 412 | 465 | 506 |
| 1% | 550 | 587 | 684 | 603 | 465 | 370 | 389 | 335 | 324 | 340 | 421 | 502 |
| 5% | 539 | 572 | 665 | 542 | 422 | 332 | 350 | 322 | 310 | 319 | 380 | 447 |
| 10% | 472 | 535 | 632 | 505 | 380 | 318 | 338 | 304 | 273 | 307 | 353 | 418 |
| 25% | 398 | 442 | 555 | 440 | 338 | 293 | 316 | 287 | 230 | 253 | 322 | 382 |
| 50% | 353 | 373 | 472 | 350 | 290 | 271 | 287 | 267 | 222 | 226 | 268 | 349 |
| 75% | 212 | 263 | 327 | 266 | 253 | 248 | 255 | 228 | 211 | 200 | 229 | 231 |
| 99.9% | 184 | 206 | 198 | 148 | 150 | 136 | 118 | 115 | 112 | 129 | 162 | 185 |

**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 | 328 | 366 | 455 | 360 | 298 | 269 | 277 | 250 | 220 | 234 | 278 | 319 |
| Wet Water Years | 305 | 343 | 362 | 287 | 257 | 234 | 212 | 186 | 179 | 190 | 218 | 223 |
| Above Normal Water Years | 345 | 386 | 495 | 333 | 302 | 296 | 300 | 245 | 216 | 204 | 234 | 228 |
| Below Normal Water Years | 309 | 339 | 465 | 361 | 303 | 287 | 312 | 267 | 221 | 236 | 306 | 393 |
| Dry Water Years | 309 | 352 | 509 | 411 | 317 | 268 | 298 | 285 | 233 | 267 | 324 | 369 |
| Critical Water Years | 411 | 449 | 514 | 443 | 339 | 296 | 306 | 301 | 284 | 290 | 323 | 398 |

**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% | -22 | 3 | -4 | 0 | 3 | 2 | 1 | -1 | 20 | -20 | 1 | 0 |
| 1% | -31 | -1 | -27 | -10 | -27 | -6 | 7 | -5 | 0 | 1 | -3 | 2 |
| 5% | 1 | 1 | -4 | 0 | -10 | 4 | -3 | -6 | -1 | 1 | 6 | -12 |
| 10% | -7 | 6 | -6 | 12 | -3 | 2 | 3 | -11 | 0 | 2 | 12 | -10 |
| 25% | -3 | 7 | -7 | 0 | 7 | 5 | -2 | -4 | -2 | -1 | 4 | 3 |
| 50% | 1 | 1 | 1 | 4 | 5 | 9 | 3 | -3 | 0 | -2 | 4 | 12 |
| 75% | 2 | -4 | 3 | 1 | 2 | 1 | -4 | -7 | 1 | 0 | 7 | 11 |
| 99.9% | -1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -2 |

**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 | 1 | 1 | 0 | 2 | 3 | 1 | -5 | 0 | -1 | 6 | 5 |
| Wet Water Years | 1 | 3 | 0 | 0 | 1 | 0 | -1 | -3 | 1 | 0 | 5 | 9 |
| Above Normal Water Years | 3 | -3 | 6 | 5 | 4 | 4 | -1 | -8 | 1 | 1 | 11 | 9 |
| Below Normal Water Years | 1 | 1 | 1 | 0 | 4 | 9 | 2 | -9 | -1 | -2 | 4 | -6 |
| Dry Water Years | -3 | 1 | -3 | -5 | 0 | 5 | 5 | -3 | 0 | -2 | 11 | 12 |
| Critical Water Years | 3 | 0 | 3 | 6 | 1 | 0 | -1 | -2 | 0 | 1 | 2 | 1 |

**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% | 753 | 813 | 752 | 811 | 471 | 351 | 303 | 331 | 366 | 438 | 560 | 628 |
| 1% | 715 | 695 | 726 | 656 | 446 | 327 | 297 | 321 | 341 | 359 | 448 | 570 |
| 5% | 665 | 646 | 688 | 553 | 368 | 284 | 266 | 292 | 313 | 331 | 397 | 484 |
| 10% | 607 | 591 | 669 | 496 | 334 | 253 | 258 | 261 | 264 | 306 | 373 | 444 |
| 25% | 445 | 485 | 615 | 434 | 269 | 232 | 242 | 241 | 214 | 255 | 331 | 422 |
| 50% | 381 | 419 | 480 | 285 | 225 | 216 | 227 | 225 | 202 | 226 | 271 | 369 |
| 75% | 195 | 284 | 298 | 208 | 200 | 196 | 204 | 195 | 189 | 191 | 218 | 212 |
| 99.9% | 181 | 189 | 181 | 174 | 171 | 175 | 163 | 158 | 153 | 161 | 175 | 179 |

**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 | 360 | 402 | 460 | 323 | 244 | 219 | 223 | 221 | 210 | 232 | 280 | 332 |
| Wet Water Years | 320 | 356 | 329 | 216 | 194 | 191 | 189 | 182 | 180 | 186 | 208 | 206 |
| Above Normal Water Years | 384 | 432 | 487 | 260 | 213 | 205 | 219 | 208 | 194 | 194 | 219 | 210 |
| Below Normal Water Years | 332 | 369 | 489 | 334 | 238 | 217 | 234 | 227 | 205 | 230 | 299 | 406 |
| Dry Water Years | 340 | 392 | 537 | 411 | 283 | 231 | 235 | 240 | 217 | 267 | 330 | 395 |
| Critical Water Years | 481 | 522 | 544 | 433 | 312 | 264 | 258 | 273 | 277 | 300 | 362 | 466 |

**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% | 752 | 817 | 750 | 812 | 438 | 343 | 300 | 344 | 393 | 429 | 558 | 631 |
| 1% | 714 | 695 | 722 | 656 | 416 | 316 | 298 | 318 | 340 | 360 | 425 | 570 |
| 5% | 662 | 636 | 678 | 555 | 355 | 284 | 269 | 291 | 315 | 333 | 402 | 474 |
| 10% | 594 | 587 | 667 | 498 | 335 | 248 | 259 | 256 | 267 | 308 | 383 | 452 |
| 25% | 444 | 493 | 613 | 443 | 267 | 232 | 243 | 238 | 212 | 253 | 332 | 420 |
| 50% | 386 | 422 | 486 | 288 | 226 | 217 | 227 | 221 | 201 | 222 | 280 | 386 |
| 75% | 198 | 281 | 299 | 208 | 200 | 195 | 205 | 192 | 189 | 191 | 228 | 223 |
| 99.9% | 180 | 189 | 181 | 174 | 171 | 175 | 163 | 159 | 153 | 161 | 175 | 179 |

**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 | 361 | 403 | 461 | 323 | 243 | 219 | 223 | 220 | 210 | 232 | 287 | 337 |
| Wet Water Years | 322 | 360 | 328 | 215 | 194 | 191 | 189 | 181 | 179 | 186 | 214 | 214 |
| Above Normal Water Years | 387 | 427 | 494 | 264 | 214 | 206 | 218 | 205 | 193 | 195 | 231 | 217 |
| Below Normal Water Years | 335 | 371 | 489 | 333 | 238 | 219 | 234 | 223 | 203 | 229 | 302 | 404 |
| Dry Water Years | 334 | 395 | 535 | 407 | 280 | 230 | 236 | 239 | 217 | 266 | 343 | 408 |
| Critical Water Years | 485 | 521 | 549 | 440 | 310 | 263 | 257 | 273 | 278 | 301 | 365 | 467 |

**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 | 4 | -2 | 1 | -33 | -8 | -3 | 13 | 27 | -10 | -2 | 2 |
| 1% | -1 | 0 | -5 | 1 | -31 | -11 | 1 | -2 | 0 | 1 | -24 | 0 |
| 5% | -3 | -10 | -10 | 1 | -13 | 0 | 2 | 0 | 2 | 1 | 5 | -10 |
| 10% | -13 | -4 | -2 | 2 | 1 | -5 | 2 | -5 | 3 | 2 | 10 | 8 |
| 25% | -2 | 9 | -2 | 9 | -2 | 0 | 1 | -3 | -2 | -2 | 1 | -2 |
| 50% | 5 | 2 | 5 | 3 | 0 | 1 | 0 | -3 | -1 | -4 | 9 | 16 |
| 75% | 3 | -3 | 1 | 0 | 0 | 0 | 1 | -3 | 0 | 0 | 10 | 10 |
| 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 | 1 | 1 | 0 | -1 | 0 | 0 | -2 | 0 | 0 | 7 | 6 |
| Wet Water Years | 2 | 4 | -1 | -1 | 0 | 0 | -1 | -1 | 0 | 0 | 6 | 8 |
| Above Normal Water Years | 4 | -5 | 7 | 3 | 1 | 1 | -1 | -3 | -1 | 1 | 11 | 7 |
| Below Normal Water Years | 2 | 2 | 0 | -2 | 0 | 2 | 0 | -4 | -2 | -2 | 3 | -2 |
| Dry Water Years | -6 | 3 | -3 | -5 | -3 | 0 | 1 | -1 | 0 | -1 | 13 | 13 |
| Critical Water Years | 4 | -1 | 5 | 7 | -2 | -2 | -1 | 0 | 1 | 1 | 3 | 1 |

**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% | 645 | 989 | 1000 | 989 | 1000 | 889 | 513 | 459 | 561 | 587 | 600 | 566 |
| 1% | 628 | 899 | 1000 | 893 | 1000 | 879 | 512 | 459 | 559 | 583 | 596 | 560 |
| 5% | 614 | 763 | 802 | 833 | 789 | 809 | 505 | 455 | 550 | 580 | 591 | 555 |
| 10% | 603 | 733 | 715 | 773 | 732 | 790 | 501 | 451 | 544 | 573 | 588 | 552 |
| 25% | 584 | 701 | 679 | 752 | 710 | 770 | 490 | 424 | 532 | 557 | 567 | 537 |
| 50% | 562 | 684 | 659 | 725 | 684 | 693 | 428 | 354 | 484 | 526 | 555 | 524 |
| 75% | 439 | 651 | 616 | 634 | 432 | 329 | 254 | 245 | 349 | 451 | 494 | 486 |
| 99.9% | 178 | 276 | 152 | 100 | 96 | 95 | 95 | 95 | 95 | 110 | 141 | 245 |

**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 | 519 | 675 | 643 | 661 | 575 | 564 | 370 | 325 | 415 | 474 | 508 | 493 |
| Wet Water Years | 501 | 657 | 608 | 531 | 371 | 297 | 214 | 199 | 243 | 337 | 396 | 415 |
| Above Normal Water Years | 540 | 716 | 712 | 705 | 628 | 534 | 354 | 302 | 396 | 474 | 517 | 493 |
| Below Normal Water Years | 503 | 672 | 635 | 692 | 611 | 601 | 388 | 330 | 459 | 511 | 542 | 517 |
| Dry Water Years | 517 | 670 | 646 | 717 | 690 | 759 | 481 | 419 | 528 | 553 | 567 | 536 |
| Critical Water Years | 562 | 695 | 671 | 757 | 715 | 771 | 497 | 440 | 536 | 573 | 586 | 551 |

**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% | 644 | 989 | 1000 | 989 | 1000 | 889 | 513 | 460 | 561 | 587 | 599 | 567 |
| 1% | 629 | 899 | 1000 | 893 | 1000 | 879 | 512 | 459 | 559 | 583 | 596 | 561 |
| 5% | 613 | 763 | 802 | 835 | 789 | 809 | 505 | 455 | 551 | 579 | 591 | 555 |
| 10% | 604 | 739 | 715 | 774 | 732 | 790 | 501 | 451 | 545 | 573 | 588 | 552 |
| 25% | 583 | 700 | 679 | 752 | 710 | 770 | 490 | 425 | 532 | 557 | 568 | 538 |
| 50% | 562 | 684 | 659 | 725 | 684 | 693 | 428 | 354 | 484 | 527 | 556 | 524 |
| 75% | 439 | 651 | 616 | 634 | 432 | 329 | 254 | 245 | 349 | 451 | 494 | 486 |
| 99.9% | 178 | 276 | 152 | 100 | 96 | 95 | 95 | 95 | 95 | 110 | 141 | 245 |

**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 | 519 | 675 | 644 | 661 | 575 | 564 | 370 | 325 | 415 | 474 | 508 | 493 |
| Wet Water Years | 501 | 658 | 608 | 531 | 371 | 297 | 214 | 199 | 243 | 337 | 396 | 415 |
| Above Normal Water Years | 540 | 715 | 712 | 706 | 629 | 534 | 354 | 302 | 397 | 474 | 517 | 493 |
| Below Normal Water Years | 502 | 671 | 635 | 692 | 611 | 601 | 389 | 330 | 459 | 512 | 542 | 517 |
| Dry Water Years | 517 | 670 | 646 | 717 | 690 | 759 | 481 | 419 | 528 | 553 | 567 | 536 |
| Critical Water Years | 562 | 695 | 671 | 757 | 715 | 771 | 497 | 440 | 536 | 573 | 586 | 552 |

**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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -1 | 0 |
| 1% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 5% | -1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | -1 | 0 | 0 |
| 10% | 1 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25% | -1 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 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-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 | 0 | 0 |
| Wet Water Years | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Above Normal Water Years | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Below Normal Water Years | -1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dry Water Years | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical Water Years | 0 | 0 | 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% | 639 | 972 | 989 | 976 | 995 | 877 | 538 | 467 | 554 | 589 | 607 | 575 |
| 1% | 624 | 881 | 988 | 886 | 992 | 871 | 535 | 467 | 554 | 588 | 603 | 573 |
| 5% | 611 | 752 | 801 | 831 | 795 | 804 | 527 | 463 | 547 | 582 | 597 | 567 |
| 10% | 600 | 725 | 737 | 780 | 740 | 786 | 521 | 458 | 541 | 577 | 592 | 563 |
| 25% | 581 | 693 | 687 | 749 | 718 | 768 | 508 | 431 | 530 | 560 | 570 | 545 |
| 50% | 561 | 676 | 666 | 718 | 692 | 694 | 438 | 360 | 481 | 530 | 550 | 531 |
| 75% | 443 | 641 | 619 | 637 | 436 | 334 | 255 | 247 | 348 | 450 | 492 | 489 |
| 99.9% | 180 | 279 | 157 | 103 | 98 | 96 | 95 | 96 | 96 | 110 | 142 | 244 |

**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 | 518 | 667 | 650 | 660 | 581 | 565 | 382 | 329 | 413 | 475 | 508 | 499 |
| Wet Water Years | 500 | 649 | 615 | 534 | 377 | 300 | 217 | 200 | 243 | 336 | 396 | 417 |
| Above Normal Water Years | 538 | 706 | 720 | 708 | 634 | 538 | 361 | 306 | 395 | 474 | 516 | 498 |
| Below Normal Water Years | 502 | 664 | 640 | 689 | 617 | 602 | 399 | 334 | 456 | 511 | 535 | 521 |
| Dry Water Years | 517 | 661 | 652 | 713 | 697 | 757 | 500 | 425 | 525 | 556 | 569 | 544 |
| Critical Water Years | 561 | 686 | 678 | 753 | 724 | 770 | 518 | 447 | 534 | 576 | 592 | 562 |

**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% | 638 | 972 | 989 | 976 | 995 | 877 | 538 | 467 | 554 | 589 | 606 | 575 |
| 1% | 624 | 881 | 988 | 886 | 992 | 871 | 535 | 467 | 554 | 588 | 603 | 573 |
| 5% | 610 | 752 | 801 | 833 | 795 | 805 | 527 | 463 | 547 | 582 | 597 | 567 |
| 10% | 601 | 730 | 738 | 780 | 740 | 786 | 521 | 458 | 541 | 576 | 591 | 562 |
| 25% | 581 | 691 | 687 | 749 | 720 | 768 | 508 | 431 | 530 | 560 | 571 | 546 |
| 50% | 561 | 676 | 666 | 718 | 692 | 694 | 438 | 360 | 482 | 530 | 549 | 531 |
| 75% | 443 | 641 | 619 | 637 | 436 | 334 | 255 | 247 | 348 | 450 | 492 | 489 |
| 99.9% | 180 | 279 | 157 | 103 | 98 | 96 | 95 | 96 | 96 | 110 | 142 | 244 |

**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 | 518 | 667 | 650 | 661 | 582 | 565 | 382 | 329 | 413 | 475 | 507 | 499 |
| Wet Water Years | 500 | 650 | 616 | 535 | 377 | 300 | 217 | 200 | 243 | 336 | 396 | 417 |
| Above Normal Water Years | 538 | 706 | 720 | 709 | 635 | 538 | 361 | 306 | 395 | 474 | 516 | 498 |
| Below Normal Water Years | 502 | 663 | 639 | 689 | 617 | 602 | 399 | 334 | 456 | 511 | 533 | 521 |
| Dry Water Years | 517 | 661 | 652 | 713 | 697 | 757 | 500 | 426 | 525 | 555 | 567 | 544 |
| Critical Water Years | 561 | 686 | 679 | 753 | 723 | 770 | 518 | 447 | 534 | 576 | 592 | 562 |

**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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -1 | 0 |
| 1% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5% | -2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10% | 0 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | -1 | 0 | 0 |
| 25% | 0 | -2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 50% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -1 | 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-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 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Above Normal Water Years | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Below Normal Water Years | -1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -2 | 0 |
| Dry Water Years | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -1 | 0 |
| Critical Water Years | 0 | 0 | 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% | 643 | 974 | 991 | 980 | 997 | 886 | 534 | 469 | 562 | 595 | 605 | 579 |
| 1% | 626 | 886 | 990 | 892 | 995 | 877 | 530 | 468 | 562 | 595 | 602 | 577 |
| 5% | 614 | 757 | 805 | 833 | 797 | 811 | 524 | 463 | 553 | 591 | 596 | 573 |
| 10% | 603 | 729 | 721 | 782 | 742 | 793 | 517 | 459 | 548 | 586 | 589 | 567 |
| 25% | 584 | 697 | 687 | 755 | 721 | 773 | 506 | 431 | 534 | 564 | 573 | 549 |
| 50% | 563 | 680 | 666 | 728 | 696 | 698 | 438 | 360 | 486 | 532 | 555 | 533 |
| 75% | 443 | 645 | 620 | 639 | 439 | 335 | 257 | 248 | 351 | 453 | 497 | 491 |
| 99.9% | 181 | 281 | 159 | 105 | 100 | 98 | 96 | 96 | 96 | 111 | 142 | 245 |

**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 | 520 | 671 | 650 | 666 | 585 | 569 | 381 | 330 | 417 | 479 | 509 | 501 |
| Wet Water Years | 501 | 653 | 614 | 538 | 379 | 302 | 218 | 201 | 245 | 338 | 398 | 418 |
| Above Normal Water Years | 540 | 710 | 717 | 711 | 636 | 541 | 362 | 307 | 398 | 476 | 520 | 499 |
| Below Normal Water Years | 504 | 667 | 641 | 696 | 621 | 606 | 399 | 335 | 460 | 516 | 545 | 524 |
| Dry Water Years | 519 | 665 | 652 | 721 | 701 | 763 | 497 | 426 | 530 | 560 | 575 | 546 |
| Critical Water Years | 564 | 690 | 678 | 761 | 727 | 774 | 516 | 448 | 541 | 584 | 573 | 567 |

**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% | 642 | 974 | 991 | 980 | 997 | 886 | 534 | 469 | 563 | 598 | 606 | 579 |
| 1% | 627 | 886 | 990 | 892 | 995 | 877 | 530 | 468 | 562 | 595 | 603 | 578 |
| 5% | 612 | 758 | 806 | 835 | 798 | 811 | 524 | 463 | 553 | 592 | 597 | 573 |
| 10% | 603 | 734 | 721 | 782 | 742 | 793 | 517 | 459 | 548 | 586 | 590 | 567 |
| 25% | 583 | 697 | 687 | 755 | 722 | 773 | 506 | 432 | 534 | 565 | 574 | 547 |
| 50% | 564 | 680 | 666 | 728 | 696 | 698 | 439 | 361 | 486 | 532 | 555 | 533 |
| 75% | 444 | 645 | 620 | 639 | 439 | 335 | 257 | 248 | 351 | 453 | 497 | 491 |
| 99.9% | 181 | 281 | 159 | 105 | 100 | 98 | 96 | 96 | 96 | 111 | 143 | 245 |

**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 | 520 | 671 | 650 | 666 | 585 | 569 | 381 | 330 | 417 | 479 | 509 | 501 |
| Wet Water Years | 502 | 654 | 615 | 538 | 380 | 302 | 218 | 201 | 245 | 338 | 398 | 418 |
| Above Normal Water Years | 540 | 709 | 717 | 713 | 637 | 541 | 362 | 307 | 398 | 476 | 520 | 499 |
| Below Normal Water Years | 503 | 667 | 641 | 696 | 621 | 606 | 399 | 335 | 460 | 516 | 545 | 524 |
| Dry Water Years | 519 | 665 | 652 | 721 | 701 | 763 | 498 | 426 | 530 | 560 | 575 | 546 |
| Critical Water Years | 564 | 690 | 678 | 761 | 727 | 775 | 516 | 448 | 541 | 585 | 573 | 567 |

**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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 |
| 1% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| 5% | -2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| 10% | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 |
| 25% | -1 | -1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | -2 |
| 50% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 75% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 | 0 | 0 |
| Wet Water Years | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Above Normal Water Years | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Below Normal Water Years | -1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dry Water Years | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical Water Years | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 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% | 650 | 949 | 982 | 971 | 1007 | 899 | 578 | 491 | 508 | 562 | 594 | 658 |
| 1% | 642 | 866 | 980 | 920 | 1002 | 882 | 572 | 489 | 501 | 559 | 541 | 582 |
| 5% | 609 | 748 | 829 | 867 | 837 | 828 | 563 | 484 | 491 | 533 | 523 | 540 |
| 10% | 598 | 717 | 745 | 824 | 785 | 810 | 557 | 477 | 477 | 520 | 507 | 529 |
| 25% | 585 | 686 | 704 | 775 | 760 | 791 | 539 | 449 | 464 | 488 | 475 | 498 |
| 50% | 566 | 668 | 680 | 736 | 725 | 724 | 463 | 377 | 444 | 431 | 425 | 471 |
| 75% | 452 | 622 | 640 | 661 | 470 | 363 | 268 | 258 | 358 | 357 | 358 | 433 |
| 99.9% | 185 | 291 | 179 | 114 | 108 | 107 | 101 | 98 | 98 | 115 | 146 | 246 |

**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 | 522 | 657 | 666 | 685 | 619 | 590 | 405 | 343 | 384 | 411 | 415 | 461 |
| Wet Water Years | 503 | 648 | 634 | 560 | 408 | 321 | 229 | 209 | 251 | 348 | 384 | 409 |
| Above Normal Water Years | 543 | 686 | 732 | 738 | 670 | 567 | 381 | 319 | 397 | 475 | 408 | 427 |
| Below Normal Water Years | 505 | 658 | 654 | 712 | 658 | 629 | 424 | 349 | 429 | 451 | 418 | 477 |
| Dry Water Years | 522 | 652 | 667 | 736 | 737 | 782 | 532 | 443 | 453 | 397 | 425 | 492 |
| Critical Water Years | 566 | 661 | 693 | 775 | 765 | 795 | 552 | 467 | 471 | 454 | 457 | 517 |

**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% | 650 | 949 | 982 | 972 | 1007 | 899 | 578 | 491 | 514 | 579 | 565 | 657 |
| 1% | 641 | 866 | 980 | 930 | 1002 | 882 | 572 | 489 | 506 | 559 | 538 | 565 |
| 5% | 609 | 749 | 830 | 867 | 837 | 828 | 563 | 484 | 490 | 534 | 523 | 546 |
| 10% | 600 | 719 | 745 | 831 | 786 | 810 | 557 | 477 | 476 | 520 | 516 | 536 |
| 25% | 585 | 685 | 703 | 775 | 761 | 792 | 539 | 449 | 459 | 486 | 477 | 503 |
| 50% | 566 | 668 | 681 | 736 | 726 | 724 | 463 | 377 | 442 | 433 | 433 | 478 |
| 75% | 452 | 621 | 640 | 661 | 470 | 363 | 268 | 258 | 358 | 357 | 357 | 437 |
| 99.9% | 185 | 291 | 180 | 114 | 108 | 107 | 100 | 98 | 98 | 115 | 146 | 246 |

**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 | 522 | 657 | 666 | 685 | 619 | 590 | 405 | 344 | 382 | 412 | 417 | 465 |
| Wet Water Years | 504 | 648 | 634 | 560 | 408 | 321 | 229 | 209 | 251 | 348 | 385 | 411 |
| Above Normal Water Years | 543 | 685 | 731 | 739 | 671 | 568 | 381 | 319 | 394 | 477 | 413 | 434 |
| Below Normal Water Years | 504 | 658 | 654 | 712 | 658 | 629 | 424 | 349 | 424 | 451 | 423 | 481 |
| Dry Water Years | 522 | 652 | 667 | 737 | 738 | 782 | 533 | 443 | 450 | 398 | 428 | 502 |
| Critical Water Years | 566 | 661 | 693 | 775 | 765 | 795 | 552 | 467 | 470 | 455 | 457 | 518 |

**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% | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 6 | 17 | -30 | -1 |
| 1% | -1 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 6 | 0 | -3 | -18 |
| 5% | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | -1 | 0 | 0 | 6 |
| 10% | 1 | 2 | 0 | 7 | 1 | 0 | 0 | 0 | -1 | 0 | 9 | 7 |
| 25% | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | -6 | -2 | 2 | 5 |
| 50% | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | -1 | 2 | 8 | 7 |
| 75% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -2 | 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 | -2 | 1 | 3 | 5 |
| Wet Water Years | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| Above Normal Water Years | 0 | -1 | 0 | 1 | 1 | 1 | 0 | 0 | -3 | 3 | 5 | 8 |
| Below Normal Water Years | -1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -5 | 0 | 4 | 4 |
| Dry Water Years | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | -4 | 1 | 3 | 10 |
| Critical Water Years | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -1 | 1 | 1 | 1 |

**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 | 730 | 504 | 362 | 255 | 245 | 230 | 287 | 386 | 383 | 456 | 481 |
| 1% | 572 | 607 | 476 | 318 | 239 | 236 | 228 | 286 | 383 | 371 | 444 | 467 |
| 5% | 535 | 548 | 415 | 286 | 223 | 208 | 214 | 255 | 350 | 334 | 411 | 453 |
| 10% | 509 | 454 | 361 | 260 | 209 | 200 | 200 | 213 | 301 | 318 | 387 | 423 |
| 25% | 402 | 380 | 288 | 217 | 195 | 190 | 194 | 191 | 202 | 221 | 299 | 365 |
| 50% | 308 | 273 | 229 | 192 | 186 | 185 | 187 | 184 | 192 | 193 | 220 | 275 |
| 75% | 186 | 209 | 189 | 182 | 181 | 180 | 180 | 178 | 180 | 183 | 194 | 189 |
| 99.9% | 177 | 178 | 177 | 177 | 176 | 177 | 177 | 176 | 176 | 177 | 177 | 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 | 308 | 302 | 251 | 208 | 191 | 188 | 189 | 192 | 209 | 215 | 256 | 282 |
| Wet Water Years | 268 | 244 | 194 | 183 | 180 | 180 | 180 | 178 | 180 | 181 | 190 | 186 |
| Above Normal Water Years | 309 | 304 | 239 | 187 | 184 | 181 | 182 | 181 | 184 | 183 | 193 | 189 |
| Below Normal Water Years | 283 | 287 | 263 | 205 | 189 | 186 | 188 | 185 | 195 | 194 | 226 | 284 |
| Dry Water Years | 308 | 302 | 267 | 230 | 198 | 192 | 193 | 194 | 207 | 222 | 304 | 352 |
| Critical Water Years | 416 | 430 | 327 | 243 | 207 | 205 | 206 | 232 | 301 | 319 | 395 | 429 |

**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% | 596 | 723 | 503 | 362 | 238 | 242 | 231 | 301 | 390 | 378 | 455 | 481 |
| 1% | 566 | 607 | 475 | 316 | 238 | 237 | 227 | 287 | 390 | 372 | 442 | 469 |
| 5% | 535 | 554 | 409 | 286 | 222 | 208 | 215 | 256 | 345 | 343 | 408 | 453 |
| 10% | 509 | 452 | 345 | 261 | 210 | 199 | 198 | 215 | 304 | 320 | 386 | 425 |
| 25% | 400 | 379 | 286 | 218 | 195 | 190 | 193 | 190 | 202 | 221 | 329 | 372 |
| 50% | 323 | 275 | 229 | 192 | 186 | 185 | 186 | 184 | 191 | 193 | 218 | 281 |
| 75% | 187 | 209 | 189 | 182 | 181 | 180 | 180 | 178 | 180 | 182 | 197 | 189 |
| 99.9% | 177 | 178 | 177 | 177 | 176 | 177 | 177 | 176 | 176 | 177 | 177 | 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 | 311 | 302 | 250 | 208 | 190 | 188 | 189 | 192 | 209 | 215 | 258 | 286 |
| Wet Water Years | 272 | 245 | 194 | 182 | 180 | 180 | 180 | 178 | 180 | 181 | 192 | 187 |
| Above Normal Water Years | 311 | 299 | 232 | 187 | 184 | 181 | 182 | 181 | 183 | 183 | 197 | 189 |
| Below Normal Water Years | 287 | 288 | 263 | 204 | 189 | 185 | 187 | 185 | 195 | 194 | 225 | 289 |
| Dry Water Years | 309 | 302 | 267 | 229 | 197 | 191 | 193 | 194 | 207 | 223 | 313 | 360 |
| Critical Water Years | 421 | 429 | 326 | 244 | 208 | 205 | 206 | 233 | 303 | 319 | 394 | 431 |

**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% | 13 | -6 | -1 | 0 | -17 | -4 | 1 | 14 | 4 | -4 | -1 | 0 |
| 1% | -7 | 0 | 0 | -3 | -1 | 1 | -1 | 1 | 8 | 1 | -2 | 2 |
| 5% | 0 | 6 | -6 | 0 | -1 | 0 | 1 | 1 | -4 | 10 | -4 | 0 |
| 10% | 0 | -1 | -15 | 1 | 1 | -1 | -2 | 2 | 3 | 2 | -2 | 2 |
| 25% | -1 | -1 | -3 | 1 | 0 | 0 | 0 | -1 | 0 | 1 | 31 | 8 |
| 50% | 15 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | -1 | -1 | -3 | 7 |
| 75% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 |
| 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 | 3 | 0 | -1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 |
| Wet Water Years | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 |
| Above Normal Water Years | 2 | -5 | -6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| Below Normal Water Years | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | -1 | 0 | -1 | 6 |
| Dry Water Years | 1 | 0 | 0 | 0 | -1 | -1 | -1 | 0 | 1 | 1 | 9 | 8 |
| Critical Water Years | 5 | -1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | -1 | 1 |

**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% | 2135 | 2474 | 1583 | 1045 | 496 | 471 | 449 | 731 | 1120 | 1143 | 1489 | 1754 |
| 1% | 2094 | 2059 | 1458 | 895 | 462 | 461 | 438 | 704 | 1105 | 1109 | 1438 | 1718 |
| 5% | 1913 | 1917 | 1246 | 714 | 383 | 287 | 359 | 601 | 996 | 982 | 1323 | 1621 |
| 10% | 1842 | 1523 | 1036 | 595 | 283 | 237 | 262 | 367 | 772 | 925 | 1234 | 1560 |
| 25% | 1378 | 1256 | 740 | 363 | 217 | 198 | 220 | 236 | 327 | 443 | 873 | 1233 |
| 50% | 905 | 700 | 406 | 221 | 191 | 190 | 195 | 196 | 257 | 275 | 439 | 757 |
| 75% | 237 | 365 | 219 | 183 | 181 | 181 | 184 | 181 | 186 | 211 | 287 | 251 |
| 99.9% | 178 | 179 | 177 | 177 | 176 | 177 | 176 | 175 | 174 | 175 | 178 | 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 | 871 | 811 | 520 | 312 | 216 | 205 | 216 | 248 | 339 | 388 | 608 | 777 |
| Wet Water Years | 679 | 534 | 252 | 194 | 181 | 180 | 182 | 181 | 191 | 201 | 264 | 236 |
| Above Normal Water Years | 888 | 798 | 464 | 207 | 186 | 183 | 187 | 187 | 211 | 213 | 285 | 253 |
| Below Normal Water Years | 743 | 743 | 582 | 295 | 202 | 191 | 201 | 204 | 281 | 283 | 477 | 790 |
| Dry Water Years | 866 | 840 | 603 | 415 | 243 | 212 | 227 | 254 | 346 | 452 | 879 | 1199 |
| Critical Water Years | 1396 | 1386 | 867 | 483 | 287 | 273 | 301 | 467 | 774 | 912 | 1274 | 1555 |

**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% | 2108 | 2457 | 1579 | 1045 | 475 | 465 | 459 | 820 | 1207 | 1128 | 1488 | 1756 |
| 1% | 2092 | 2059 | 1457 | 883 | 452 | 448 | 437 | 703 | 1121 | 1113 | 1434 | 1727 |
| 5% | 1914 | 1926 | 1193 | 715 | 370 | 284 | 364 | 617 | 1007 | 1019 | 1326 | 1633 |
| 10% | 1836 | 1498 | 973 | 578 | 285 | 228 | 261 | 376 | 790 | 942 | 1239 | 1562 |
| 25% | 1364 | 1255 | 727 | 378 | 217 | 199 | 221 | 232 | 327 | 446 | 965 | 1304 |
| 50% | 966 | 726 | 399 | 222 | 192 | 190 | 194 | 196 | 255 | 272 | 423 | 779 |
| 75% | 240 | 362 | 220 | 184 | 181 | 181 | 183 | 181 | 186 | 209 | 305 | 255 |
| 99.9% | 178 | 179 | 177 | 177 | 176 | 177 | 176 | 175 | 174 | 175 | 178 | 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 | 889 | 812 | 517 | 311 | 216 | 204 | 214 | 249 | 339 | 389 | 619 | 796 |
| Wet Water Years | 699 | 539 | 251 | 193 | 181 | 180 | 181 | 181 | 190 | 200 | 277 | 242 |
| Above Normal Water Years | 894 | 777 | 439 | 208 | 186 | 183 | 187 | 187 | 208 | 213 | 304 | 252 |
| Below Normal Water Years | 767 | 750 | 581 | 293 | 202 | 191 | 200 | 203 | 277 | 284 | 463 | 829 |
| Dry Water Years | 875 | 844 | 603 | 414 | 240 | 209 | 224 | 254 | 348 | 455 | 918 | 1236 |
| Critical Water Years | 1420 | 1385 | 866 | 487 | 286 | 270 | 302 | 472 | 780 | 913 | 1270 | 1560 |

**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% | -27 | -17 | -4 | 0 | -21 | -6 | 10 | 89 | 87 | -14 | -2 | 1 |
| 1% | -1 | 0 | -1 | -12 | -11 | -14 | -2 | 0 | 16 | 5 | -4 | 9 |
| 5% | 2 | 8 | -53 | 1 | -14 | -3 | 4 | 16 | 11 | 37 | 3 | 12 |
| 10% | -6 | -25 | -63 | -16 | 3 | -8 | -1 | 9 | 19 | 17 | 5 | 1 |
| 25% | -14 | -1 | -13 | 15 | 1 | 1 | 0 | -4 | 0 | 3 | 92 | 71 |
| 50% | 62 | 26 | -7 | 1 | 0 | 0 | 0 | 0 | -2 | -3 | -16 | 22 |
| 75% | 3 | -3 | 1 | 0 | 0 | 0 | 0 | 0 | -1 | -2 | 18 | 4 |
| 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 | 17 | 1 | -3 | 0 | -1 | -1 | -1 | 1 | 0 | 1 | 11 | 19 |
| Wet Water Years | 20 | 5 | -1 | -1 | 0 | 0 | 0 | 1 | -1 | -1 | 13 | 6 |
| Above Normal Water Years | 6 | -21 | -25 | 1 | 0 | 0 | 0 | 0 | -3 | 0 | 19 | -1 |
| Below Normal Water Years | 24 | 7 | -1 | -1 | 0 | 0 | -2 | -1 | -4 | 0 | -14 | 39 |
| Dry Water Years | 9 | 3 | 1 | -1 | -3 | -3 | -4 | 0 | 1 | 4 | 39 | 37 |
| Critical Water Years | 24 | -1 | -1 | 4 | -1 | -3 | 1 | 5 | 6 | 1 | -4 | 5 |

**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% | 12.3 | 12.9 | 9.9 | 8.3 | 4.8 | 4.7 | 4.7 | 6.1 | 7.8 | 8.3 | 9.3 | 11.4 |
| 1% | 12.3 | 12.1 | 9.8 | 7.9 | 4.6 | 4.6 | 4.7 | 6.0 | 7.6 | 8.2 | 9.1 | 11.3 |
| 5% | 12.1 | 11.6 | 9.4 | 6.6 | 3.7 | 2.6 | 3.1 | 5.0 | 7.2 | 7.8 | 8.8 | 11.0 |
| 10% | 11.6 | 10.8 | 8.4 | 5.9 | 2.5 | 1.9 | 2.3 | 3.4 | 5.8 | 7.6 | 8.6 | 10.9 |
| 25% | 10.1 | 9.8 | 7.2 | 3.6 | 1.2 | 0.6 | 1.3 | 1.9 | 3.3 | 5.1 | 7.5 | 9.7 |
| 50% | 7.9 | 6.9 | 4.3 | 1.0 | 0.3 | 0.3 | 0.3 | 0.6 | 2.3 | 3.4 | 5.5 | 7.1 |
| 75% | 2.4 | 4.4 | 0.9 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.6 | 1.9 | 3.5 | 2.6 |
| 99.9% | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.2 |

**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 | 6.5 | 6.7 | 4.3 | 2.1 | 0.9 | 0.7 | 0.9 | 1.4 | 2.5 | 3.7 | 5.4 | 6.3 |
| Wet Water Years | 5.5 | 5.0 | 1.6 | 0.5 | 0.2 | 0.2 | 0.2 | 0.3 | 0.6 | 1.4 | 2.8 | 2.2 |
| Above Normal Water Years | 6.7 | 6.7 | 4.2 | 0.7 | 0.2 | 0.2 | 0.2 | 0.4 | 1.2 | 2.0 | 3.6 | 2.5 |
| Below Normal Water Years | 5.8 | 6.4 | 5.0 | 2.1 | 0.7 | 0.4 | 0.5 | 0.8 | 2.4 | 3.5 | 5.6 | 7.3 |
| Dry Water Years | 6.5 | 7.3 | 5.4 | 3.6 | 1.4 | 0.9 | 1.3 | 1.9 | 3.3 | 5.1 | 7.4 | 9.6 |
| Critical Water Years | 9.6 | 9.7 | 7.0 | 4.4 | 2.3 | 2.1 | 2.6 | 4.1 | 5.8 | 7.2 | 8.7 | 10.9 |

**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% | 12.3 | 12.9 | 9.9 | 8.3 | 4.9 | 4.7 | 4.7 | 6.6 | 8.2 | 8.3 | 9.3 | 11.3 |
| 1% | 12.3 | 12.1 | 9.8 | 7.9 | 4.5 | 4.4 | 4.7 | 6.1 | 7.6 | 8.3 | 9.1 | 11.3 |
| 5% | 12.1 | 11.6 | 9.0 | 6.6 | 3.7 | 2.6 | 3.2 | 5.2 | 7.2 | 7.8 | 8.8 | 11.0 |
| 10% | 11.6 | 10.8 | 8.4 | 5.7 | 2.3 | 1.7 | 2.4 | 3.6 | 5.9 | 7.6 | 8.6 | 10.9 |
| 25% | 10.2 | 9.8 | 7.1 | 3.8 | 1.2 | 0.6 | 1.1 | 1.9 | 3.3 | 5.0 | 7.7 | 10.0 |
| 50% | 8.7 | 7.1 | 4.3 | 1.0 | 0.3 | 0.3 | 0.3 | 0.7 | 2.2 | 3.2 | 5.2 | 7.5 |
| 75% | 2.4 | 4.3 | 0.9 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.6 | 1.8 | 3.7 | 2.6 |
| 99.9% | 0.2 | 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 | 6.7 | 6.8 | 4.3 | 2.1 | 0.9 | 0.7 | 0.9 | 1.4 | 2.4 | 3.6 | 5.5 | 6.5 |
| Wet Water Years | 5.6 | 5.0 | 1.5 | 0.4 | 0.2 | 0.2 | 0.2 | 0.3 | 0.6 | 1.3 | 3.0 | 2.3 |
| Above Normal Water Years | 6.7 | 6.6 | 4.1 | 0.7 | 0.2 | 0.2 | 0.2 | 0.4 | 1.1 | 1.9 | 3.7 | 2.5 |
| Below Normal Water Years | 6.0 | 6.4 | 4.9 | 2.1 | 0.6 | 0.3 | 0.5 | 0.9 | 2.3 | 3.4 | 5.3 | 7.8 |
| Dry Water Years | 6.6 | 7.3 | 5.4 | 3.7 | 1.4 | 0.8 | 1.2 | 1.8 | 3.2 | 5.1 | 7.5 | 9.8 |
| Critical Water Years | 9.7 | 9.7 | 7.1 | 4.3 | 2.2 | 2.0 | 2.6 | 4.1 | 5.9 | 7.2 | 8.7 | 10.9 |

**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 | 0.0 | 0.1 | 0.0 | 0.0 | 0.5 | 0.4 | 0.0 | 0.0 | 0.0 |
| 1% | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.2 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 |
| 5% | 0.0 | 0.0 | -0.4 | 0.0 | 0.0 | -0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10% | 0.0 | 0.0 | 0.0 | -0.2 | -0.2 | -0.3 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 |
| 25% | 0.0 | 0.0 | -0.1 | 0.2 | 0.1 | -0.1 | -0.2 | -0.1 | 0.0 | -0.1 | 0.1 | 0.3 |
| 50% | 0.8 | 0.2 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | -0.1 | -0.2 | -0.3 | 0.4 |
| 75% | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.2 |
| Wet Water Years | 0.1 | 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 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.1 | 0.0 |
| Below Normal Water Years | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 | -0.3 | 0.5 |
| Dry Water Years | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 |
| Critical Water Years | 0.2 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 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% | 11.9 | 12.3 | 10.8 | 8.1 | 4.5 | 4.2 | 5.9 | 7.9 | 10.4 | 11.6 | 12.6 | 10.9 |
| 1% | 11.9 | 11.7 | 10.5 | 7.9 | 4.4 | 4.2 | 5.8 | 7.3 | 10.2 | 11.6 | 12.4 | 10.9 |
| 5% | 11.7 | 11.2 | 9.5 | 7.0 | 3.6 | 3.7 | 4.2 | 6.3 | 9.6 | 11.3 | 12.3 | 10.7 |
| 10% | 11.1 | 10.4 | 9.1 | 6.2 | 3.2 | 3.0 | 3.8 | 5.0 | 7.9 | 10.6 | 12.1 | 10.5 |
| 25% | 9.9 | 9.4 | 8.1 | 4.5 | 1.7 | 1.0 | 1.9 | 3.4 | 4.8 | 6.8 | 9.1 | 9.6 |
| 50% | 8.3 | 7.5 | 5.2 | 2.0 | 0.5 | 0.4 | 0.6 | 1.0 | 2.9 | 3.7 | 5.4 | 8.1 |
| 75% | 4.5 | 6.4 | 1.5 | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.8 | 2.1 | 4.6 | 5.1 |
| 99.9% | 0.4 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 | 0.4 |

**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 | 7.4 | 7.4 | 5.1 | 2.6 | 1.1 | 0.9 | 1.3 | 2.0 | 3.4 | 4.6 | 6.6 | 7.3 |
| Wet Water Years | 6.4 | 5.8 | 2.2 | 0.6 | 0.2 | 0.2 | 0.2 | 0.4 | 0.8 | 2.0 | 4.1 | 4.3 |
| Above Normal Water Years | 7.4 | 7.4 | 5.4 | 1.5 | 0.3 | 0.3 | 0.3 | 0.6 | 1.6 | 2.2 | 3.7 | 4.2 |
| Below Normal Water Years | 6.8 | 7.2 | 5.7 | 2.6 | 0.9 | 0.6 | 0.8 | 1.3 | 3.0 | 3.4 | 5.3 | 8.4 |
| Dry Water Years | 7.6 | 8.0 | 6.3 | 4.5 | 1.8 | 1.3 | 1.9 | 3.0 | 4.8 | 6.6 | 8.8 | 9.4 |
| Critical Water Years | 9.7 | 9.6 | 7.6 | 4.6 | 2.5 | 2.4 | 3.5 | 5.3 | 7.9 | 10.2 | 11.9 | 10.5 |

**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% | 11.9 | 12.3 | 10.8 | 8.1 | 5.6 | 4.3 | 5.8 | 7.3 | 10.2 | 11.7 | 12.6 | 10.9 |
| 1% | 11.8 | 11.7 | 10.6 | 7.6 | 4.6 | 4.1 | 5.7 | 7.3 | 10.2 | 11.7 | 12.5 | 10.9 |
| 5% | 11.7 | 11.2 | 9.7 | 7.0 | 3.6 | 3.5 | 4.2 | 6.2 | 9.6 | 11.3 | 12.3 | 10.7 |
| 10% | 11.1 | 10.4 | 9.1 | 6.5 | 3.2 | 2.9 | 3.6 | 5.1 | 8.1 | 10.6 | 12.1 | 10.5 |
| 25% | 9.8 | 9.3 | 8.0 | 4.4 | 1.6 | 0.8 | 1.7 | 3.1 | 4.7 | 6.5 | 8.6 | 9.5 |
| 50% | 8.3 | 7.5 | 5.2 | 1.9 | 0.5 | 0.3 | 0.6 | 1.1 | 3.0 | 3.7 | 5.4 | 7.3 |
| 75% | 4.6 | 5.5 | 1.7 | 0.3 | 0.2 | 0.2 | 0.2 | 0.3 | 0.7 | 2.1 | 4.7 | 5.2 |
| 99.9% | 0.4 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 | 0.4 |

**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 | 7.1 | 7.3 | 5.1 | 2.6 | 1.1 | 0.8 | 1.2 | 2.0 | 3.4 | 4.6 | 6.6 | 7.1 |
| Wet Water Years | 6.2 | 5.7 | 2.2 | 0.7 | 0.2 | 0.2 | 0.3 | 0.4 | 0.8 | 2.0 | 4.3 | 4.5 |
| Above Normal Water Years | 7.2 | 7.2 | 5.3 | 1.3 | 0.3 | 0.2 | 0.3 | 0.6 | 1.6 | 2.1 | 3.9 | 3.2 |
| Below Normal Water Years | 6.6 | 7.1 | 5.8 | 2.6 | 0.9 | 0.5 | 0.7 | 1.4 | 3.0 | 3.4 | 5.1 | 7.5 |
| Dry Water Years | 7.2 | 8.0 | 6.3 | 4.3 | 1.7 | 1.2 | 1.8 | 2.8 | 4.7 | 6.4 | 8.7 | 9.4 |
| Critical Water Years | 9.4 | 9.5 | 7.6 | 4.8 | 2.6 | 2.4 | 3.5 | 5.5 | 8.1 | 10.2 | 12.0 | 10.5 |

**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 | 0.0 | 1.1 | 0.0 | 0.0 | -0.6 | -0.2 | 0.1 | 0.0 | 0.0 |
| 1% | 0.0 | 0.0 | 0.0 | -0.3 | 0.2 | -0.2 | -0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 5% | 0.0 | 0.0 | 0.2 | 0.0 | 0.1 | -0.2 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10% | 0.0 | 0.1 | 0.0 | 0.3 | 0.0 | -0.1 | -0.2 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 |
| 25% | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.1 | -0.3 | -0.1 | -0.4 | -0.5 | -0.1 |
| 50% | 0.0 | 0.1 | 0.0 | -0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | -0.8 |
| 75% | 0.1 | -0.8 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.1 | 0.1 |
| 99.9% | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

**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 | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.2 |
| Wet Water Years | -0.2 | -0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 |
| Above Normal Water Years | -0.2 | -0.2 | -0.1 | -0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.2 | -1.0 |
| Below Normal Water Years | -0.3 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | -0.2 | -0.9 |
| Dry Water Years | -0.4 | 0.0 | 0.0 | -0.2 | -0.1 | -0.1 | -0.2 | -0.2 | -0.1 | -0.2 | -0.1 | 0.0 |
| Critical Water Years | -0.4 | -0.1 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 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% | 14.9 | 12.9 | 13.2 | 10.1 | 5.5 | 6.7 | 8.5 | 10.6 | 13.3 | 15.2 | 16.2 | 12.2 |
| 1% | 14.5 | 12.2 | 13.2 | 10.0 | 5.4 | 6.3 | 8.4 | 9.8 | 13.2 | 15.1 | 16.2 | 12.1 |
| 5% | 12.9 | 11.1 | 12.7 | 8.5 | 4.9 | 4.5 | 6.5 | 8.6 | 12.3 | 14.6 | 16.0 | 11.5 |
| 10% | 11.6 | 10.5 | 12.0 | 7.9 | 4.2 | 3.9 | 5.9 | 6.8 | 10.3 | 13.7 | 15.6 | 11.1 |
| 25% | 10.2 | 9.9 | 8.5 | 6.5 | 2.8 | 2.1 | 3.0 | 5.4 | 7.1 | 9.5 | 12.3 | 10.6 |
| 50% | 8.8 | 9.2 | 6.9 | 3.5 | 1.1 | 0.7 | 1.2 | 2.2 | 4.3 | 4.6 | 6.9 | 9.4 |
| 75% | 7.9 | 8.0 | 3.4 | 0.6 | 0.3 | 0.3 | 0.4 | 0.6 | 1.5 | 2.5 | 4.9 | 8.5 |
| 99.9% | 1.3 | 0.6 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.8 | 1.1 |

**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 | 9.0 | 8.6 | 6.4 | 3.7 | 1.7 | 1.5 | 2.1 | 3.1 | 4.8 | 6.0 | 8.2 | 9.1 |
| Wet Water Years | 8.2 | 7.3 | 3.6 | 1.1 | 0.3 | 0.3 | 0.4 | 0.7 | 1.3 | 3.3 | 6.3 | 7.9 |
| Above Normal Water Years | 8.9 | 8.7 | 7.2 | 3.2 | 0.9 | 0.5 | 0.6 | 1.2 | 2.7 | 2.6 | 4.0 | 7.0 |
| Below Normal Water Years | 8.7 | 8.6 | 7.1 | 3.8 | 1.6 | 1.3 | 1.6 | 2.5 | 4.3 | 3.4 | 5.1 | 10.2 |
| Dry Water Years | 9.5 | 9.4 | 7.8 | 6.0 | 2.8 | 2.3 | 3.4 | 5.0 | 7.0 | 8.6 | 10.4 | 9.6 |
| Critical Water Years | 10.3 | 10.0 | 8.5 | 5.5 | 3.3 | 3.4 | 5.1 | 7.3 | 10.5 | 13.2 | 15.4 | 10.7 |

**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% | 11.8 | 12.2 | 13.2 | 10.4 | 7.6 | 6.5 | 8.4 | 9.8 | 13.3 | 15.3 | 16.2 | 11.2 |
| 1% | 11.8 | 11.6 | 13.2 | 10.0 | 6.0 | 6.0 | 8.3 | 9.8 | 13.0 | 15.1 | 16.2 | 11.1 |
| 5% | 11.6 | 11.1 | 12.6 | 8.6 | 4.9 | 4.4 | 6.4 | 8.5 | 12.0 | 14.6 | 16.0 | 10.9 |
| 10% | 11.0 | 10.6 | 11.8 | 8.0 | 3.8 | 3.9 | 5.6 | 7.0 | 10.6 | 13.8 | 15.6 | 10.7 |
| 25% | 9.8 | 9.8 | 8.6 | 6.4 | 2.5 | 2.0 | 2.8 | 5.1 | 6.9 | 8.9 | 11.5 | 9.7 |
| 50% | 8.5 | 9.0 | 6.9 | 3.3 | 1.1 | 0.7 | 1.2 | 2.3 | 4.3 | 4.4 | 7.6 | 9.3 |
| 75% | 7.9 | 7.4 | 3.8 | 0.7 | 0.3 | 0.3 | 0.4 | 0.7 | 1.4 | 2.8 | 5.1 | 7.5 |
| 99.9% | 1.4 | 0.6 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.8 | 1.2 |

**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 | 8.2 | 8.4 | 6.5 | 3.7 | 1.7 | 1.4 | 2.0 | 3.1 | 4.8 | 6.0 | 8.3 | 8.3 |
| Wet Water Years | 7.5 | 7.1 | 3.9 | 1.3 | 0.4 | 0.3 | 0.4 | 0.8 | 1.4 | 3.2 | 6.4 | 8.1 |
| Above Normal Water Years | 8.3 | 8.4 | 7.1 | 2.8 | 0.8 | 0.5 | 0.6 | 1.3 | 2.7 | 2.8 | 4.5 | 4.6 |
| Below Normal Water Years | 7.9 | 8.4 | 7.2 | 3.8 | 1.6 | 1.2 | 1.5 | 2.5 | 4.3 | 4.0 | 5.2 | 7.6 |
| Dry Water Years | 8.4 | 9.2 | 7.6 | 5.7 | 2.6 | 2.2 | 3.1 | 4.5 | 6.8 | 8.3 | 10.3 | 9.4 |
| Critical Water Years | 9.4 | 9.7 | 8.4 | 5.8 | 3.5 | 3.5 | 5.1 | 7.5 | 10.7 | 13.3 | 15.4 | 10.7 |

**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% | -3.1 | -0.8 | 0.0 | 0.3 | 2.1 | -0.1 | -0.2 | -0.7 | 0.0 | 0.1 | 0.0 | -1.0 |
| 1% | -2.8 | -0.6 | 0.0 | 0.0 | 0.6 | -0.3 | -0.1 | -0.1 | -0.2 | 0.1 | 0.1 | -1.0 |
| 5% | -1.3 | -0.1 | 0.0 | 0.1 | 0.0 | -0.1 | -0.1 | -0.1 | -0.3 | 0.0 | 0.0 | -0.5 |
| 10% | -0.6 | 0.0 | -0.2 | 0.1 | -0.4 | 0.0 | -0.3 | 0.1 | 0.3 | 0.1 | 0.0 | -0.4 |
| 25% | -0.4 | -0.1 | 0.0 | 0.0 | -0.4 | -0.1 | -0.2 | -0.3 | -0.2 | -0.6 | -0.9 | -0.9 |
| 50% | -0.3 | -0.2 | 0.0 | -0.2 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | -0.2 | 0.7 | -0.1 |
| 75% | 0.0 | -0.6 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.2 | -1.0 |
| 99.9% | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |

**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 | -0.8 | -0.2 | 0.1 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | -0.8 |
| Wet Water Years | -0.7 | -0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -0.1 | 0.1 | 0.3 |
| Above Normal Water Years | -0.6 | -0.3 | -0.1 | -0.4 | -0.1 | 0.0 | 0.0 | 0.1 | 0.1 | 0.2 | 0.5 | -2.4 |
| Below Normal Water Years | -0.8 | -0.2 | 0.2 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.5 | 0.1 | -2.6 |
| Dry Water Years | -1.0 | -0.1 | -0.1 | -0.3 | -0.2 | -0.2 | -0.2 | -0.4 | -0.2 | -0.3 | -0.2 | -0.2 |
| Critical Water Years | -1.0 | -0.3 | 0.0 | 0.3 | 0.2 | 0.1 | 0.0 | 0.2 | 0.2 | 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% | 14.5 | 13.3 | 14.5 | 12.4 | 8.4 | 7.5 | 9.2 | 11.1 | 13.9 | 16.1 | 16.9 | 14.3 |
| 1% | 14.4 | 13.2 | 14.0 | 11.8 | 7.4 | 7.2 | 8.9 | 10.6 | 13.7 | 15.8 | 16.9 | 14.2 |
| 5% | 13.4 | 12.8 | 13.3 | 10.6 | 7.0 | 6.7 | 7.4 | 9.7 | 12.6 | 15.4 | 16.3 | 13.7 |
| 10% | 13.2 | 12.2 | 12.1 | 9.4 | 6.8 | 5.7 | 6.9 | 8.1 | 11.4 | 14.5 | 16.0 | 13.5 |
| 25% | 12.1 | 11.3 | 10.7 | 8.2 | 5.1 | 3.9 | 4.9 | 6.6 | 8.2 | 10.7 | 12.8 | 12.2 |
| 50% | 10.3 | 10.3 | 9.0 | 5.6 | 3.1 | 2.7 | 2.8 | 3.4 | 5.6 | 6.5 | 8.1 | 10.4 |
| 75% | 8.6 | 9.5 | 5.9 | 2.2 | 1.4 | 1.5 | 1.8 | 1.7 | 2.4 | 4.4 | 6.1 | 9.2 |
| 99.9% | 2.0 | 1.4 | 0.7 | 0.6 | 0.6 | 0.7 | 0.6 | 0.6 | 0.5 | 0.7 | 1.4 | 1.8 |

**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 | 10.2 | 9.9 | 8.3 | 5.6 | 3.5 | 3.0 | 3.4 | 4.2 | 5.9 | 7.4 | 9.0 | 10.3 |
| Wet Water Years | 9.4 | 8.7 | 5.4 | 2.4 | 1.4 | 1.4 | 1.5 | 1.6 | 2.2 | 4.2 | 7.1 | 8.6 |
| Above Normal Water Years | 10.2 | 10.1 | 8.7 | 4.7 | 2.2 | 2.0 | 2.2 | 2.4 | 3.8 | 4.3 | 5.1 | 7.8 |
| Below Normal Water Years | 9.7 | 9.7 | 8.8 | 6.0 | 3.5 | 2.9 | 3.0 | 3.6 | 5.6 | 5.8 | 6.2 | 10.7 |
| Dry Water Years | 10.5 | 10.6 | 9.7 | 8.0 | 5.2 | 4.0 | 4.8 | 6.1 | 8.1 | 10.0 | 11.4 | 11.3 |
| Critical Water Years | 11.7 | 11.6 | 10.6 | 8.1 | 5.8 | 5.3 | 6.6 | 8.5 | 11.5 | 14.1 | 15.8 | 13.6 |

**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% | 13.5 | 13.3 | 14.5 | 12.3 | 9.2 | 7.5 | 9.1 | 10.6 | 13.9 | 16.0 | 17.0 | 14.3 |
| 1% | 13.4 | 13.2 | 13.9 | 11.5 | 8.7 | 7.2 | 9.0 | 10.4 | 13.8 | 15.8 | 16.9 | 14.1 |
| 5% | 13.2 | 12.6 | 13.3 | 10.6 | 7.0 | 6.9 | 7.3 | 9.6 | 12.8 | 15.4 | 16.3 | 13.8 |
| 10% | 12.9 | 12.2 | 12.0 | 10.0 | 6.8 | 5.6 | 6.8 | 8.3 | 11.7 | 14.6 | 16.1 | 13.5 |
| 25% | 11.2 | 11.1 | 10.6 | 8.3 | 5.0 | 3.7 | 4.7 | 6.3 | 8.1 | 10.2 | 12.1 | 11.1 |
| 50% | 9.7 | 10.2 | 9.0 | 5.6 | 2.9 | 2.6 | 2.8 | 3.7 | 5.9 | 7.4 | 8.7 | 10.2 |
| 75% | 8.7 | 8.8 | 6.2 | 2.3 | 1.4 | 1.5 | 1.8 | 1.8 | 2.4 | 4.8 | 7.3 | 9.0 |
| 99.9% | 2.1 | 1.5 | 0.7 | 0.6 | 0.6 | 0.6 | 0.5 | 0.6 | 0.5 | 0.7 | 1.4 | 1.9 |

**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 | 9.6 | 9.7 | 8.3 | 5.6 | 3.4 | 2.9 | 3.4 | 4.2 | 5.9 | 7.7 | 9.6 | 10.0 |
| Wet Water Years | 8.9 | 8.5 | 5.6 | 2.6 | 1.4 | 1.4 | 1.6 | 1.7 | 2.2 | 4.2 | 7.2 | 8.8 |
| Above Normal Water Years | 9.7 | 9.8 | 8.6 | 4.5 | 2.1 | 1.9 | 2.2 | 2.5 | 3.8 | 4.9 | 6.4 | 7.0 |
| Below Normal Water Years | 9.2 | 9.5 | 8.8 | 6.0 | 3.5 | 2.8 | 2.9 | 3.7 | 5.6 | 6.8 | 7.7 | 9.3 |
| Dry Water Years | 9.8 | 10.4 | 9.6 | 7.8 | 5.0 | 3.8 | 4.5 | 5.8 | 8.0 | 10.1 | 11.9 | 11.2 |
| Critical Water Years | 11.1 | 11.3 | 10.6 | 8.3 | 5.9 | 5.4 | 6.6 | 8.7 | 11.7 | 14.1 | 15.8 | 13.6 |

**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% | -1.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | -0.1 | -0.5 | 0.0 | -0.1 | 0.0 | 0.0 |
| 1% | -0.9 | 0.0 | 0.0 | -0.3 | 1.3 | 0.0 | 0.0 | -0.2 | 0.1 | 0.1 | 0.1 | -0.1 |
| 5% | -0.2 | -0.2 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | -0.1 | 0.2 | 0.0 | 0.1 | 0.0 |
| 10% | -0.2 | 0.0 | -0.1 | 0.5 | 0.0 | -0.1 | -0.1 | 0.3 | 0.2 | 0.1 | 0.1 | 0.0 |
| 25% | -0.8 | -0.2 | -0.1 | 0.0 | -0.1 | -0.2 | -0.1 | -0.3 | -0.2 | -0.5 | -0.7 | -1.1 |
| 50% | -0.6 | -0.1 | 0.0 | 0.0 | -0.2 | -0.1 | 0.0 | 0.3 | 0.2 | 1.0 | 0.6 | -0.2 |
| 75% | 0.1 | -0.7 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.4 | 1.2 | -0.1 |
| 99.9% | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |

**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 | -0.6 | -0.2 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.3 | 0.6 | -0.3 |
| Wet Water Years | -0.5 | -0.2 | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | -0.1 | 0.1 | 0.3 |
| Above Normal Water Years | -0.6 | -0.2 | -0.1 | -0.2 | -0.1 | -0.1 | 0.0 | 0.1 | 0.0 | 0.6 | 1.3 | -0.7 |
| Below Normal Water Years | -0.6 | -0.2 | 0.1 | 0.0 | 0.0 | -0.1 | -0.1 | 0.1 | 0.1 | 1.0 | 1.5 | -1.4 |
| Dry Water Years | -0.7 | -0.2 | -0.1 | -0.2 | -0.2 | -0.2 | -0.2 | -0.3 | -0.2 | 0.1 | 0.5 | -0.1 |
| Critical Water Years | -0.7 | -0.3 | -0.1 | 0.2 | 0.2 | 0.1 | 0.0 | 0.2 | 0.2 | 0.1 | 0.0 | 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% | 14.3 | 13.0 | 12.9 | 11.0 | 7.4 | 6.7 | 8.5 | 10.3 | 12.9 | 15.0 | 16.0 | 13.0 |
| 1% | 14.1 | 12.3 | 12.8 | 10.8 | 6.9 | 6.6 | 8.2 | 9.6 | 12.9 | 14.8 | 15.9 | 13.0 |
| 5% | 12.8 | 11.8 | 12.6 | 9.3 | 6.2 | 5.3 | 6.6 | 8.5 | 11.9 | 14.3 | 15.7 | 12.6 |
| 10% | 12.1 | 11.4 | 11.7 | 8.8 | 5.8 | 5.0 | 6.0 | 7.0 | 10.0 | 13.4 | 15.2 | 12.4 |
| 25% | 11.2 | 10.4 | 9.7 | 7.6 | 4.4 | 3.3 | 3.7 | 5.5 | 7.3 | 9.4 | 12.0 | 11.0 |
| 50% | 9.7 | 9.7 | 8.2 | 5.1 | 3.0 | 1.7 | 1.9 | 2.6 | 4.6 | 5.1 | 6.9 | 9.6 |
| 75% | 8.6 | 8.8 | 5.7 | 2.0 | 1.3 | 1.1 | 1.0 | 1.1 | 1.8 | 3.2 | 4.8 | 8.4 |
| 99.9% | 1.6 | 1.2 | 0.5 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.3 | 0.5 | 1.0 | 1.4 |

**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 | 9.6 | 9.3 | 7.7 | 5.1 | 3.0 | 2.3 | 2.6 | 3.4 | 4.9 | 6.3 | 8.0 | 9.5 |
| Wet Water Years | 8.9 | 8.1 | 5.3 | 2.4 | 1.2 | 0.9 | 0.9 | 1.1 | 1.6 | 3.3 | 6.1 | 8.1 |
| Above Normal Water Years | 9.6 | 9.3 | 8.2 | 4.8 | 2.1 | 1.4 | 1.3 | 1.6 | 2.9 | 3.3 | 4.1 | 6.9 |
| Below Normal Water Years | 9.3 | 9.2 | 8.1 | 5.4 | 3.0 | 2.3 | 2.2 | 2.9 | 4.5 | 4.5 | 5.0 | 9.5 |
| Dry Water Years | 10.0 | 10.0 | 9.0 | 7.2 | 4.6 | 3.3 | 3.9 | 5.3 | 7.1 | 8.8 | 10.4 | 10.3 |
| Critical Water Years | 10.9 | 10.7 | 9.7 | 7.1 | 4.9 | 4.3 | 5.5 | 7.4 | 10.2 | 12.9 | 15.0 | 12.5 |

**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% | 12.5 | 12.3 | 12.9 | 11.0 | 8.0 | 6.6 | 8.3 | 9.6 | 12.9 | 14.8 | 16.0 | 13.0 |
| 1% | 12.3 | 12.3 | 12.9 | 10.7 | 7.4 | 6.4 | 8.2 | 9.5 | 12.6 | 14.8 | 16.0 | 13.0 |
| 5% | 12.1 | 11.8 | 12.6 | 9.5 | 6.5 | 5.9 | 6.5 | 8.4 | 11.6 | 14.3 | 15.8 | 12.6 |
| 10% | 11.8 | 11.3 | 11.4 | 9.0 | 5.7 | 4.8 | 5.9 | 7.1 | 10.2 | 13.5 | 15.3 | 12.5 |
| 25% | 10.3 | 10.3 | 9.6 | 7.7 | 4.4 | 3.1 | 3.5 | 5.4 | 7.1 | 8.8 | 11.0 | 10.1 |
| 50% | 8.9 | 9.4 | 8.1 | 4.9 | 2.8 | 1.7 | 1.8 | 2.7 | 4.7 | 5.8 | 7.6 | 9.5 |
| 75% | 8.4 | 8.1 | 5.7 | 2.1 | 1.3 | 1.1 | 1.0 | 1.2 | 1.8 | 3.5 | 5.8 | 7.9 |
| 99.9% | 1.7 | 1.2 | 0.5 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 | 0.3 | 0.5 | 1.0 | 1.5 |

**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 | 8.8 | 9.0 | 7.7 | 5.1 | 3.0 | 2.3 | 2.6 | 3.4 | 5.0 | 6.5 | 8.4 | 9.1 |
| Wet Water Years | 8.2 | 7.8 | 5.4 | 2.5 | 1.3 | 0.9 | 0.9 | 1.1 | 1.6 | 3.3 | 6.2 | 8.4 |
| Above Normal Water Years | 8.9 | 9.0 | 8.0 | 4.5 | 1.9 | 1.3 | 1.3 | 1.7 | 3.0 | 3.7 | 5.0 | 5.9 |
| Below Normal Water Years | 8.5 | 8.8 | 8.2 | 5.4 | 3.0 | 2.2 | 2.1 | 2.9 | 4.5 | 5.3 | 6.0 | 7.9 |
| Dry Water Years | 9.1 | 9.7 | 8.8 | 6.9 | 4.4 | 3.2 | 3.7 | 4.9 | 6.9 | 8.7 | 10.5 | 10.2 |
| Critical Water Years | 10.0 | 10.3 | 9.5 | 7.3 | 5.1 | 4.4 | 5.6 | 7.6 | 10.5 | 13.0 | 15.0 | 12.5 |

**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% | -1.8 | -0.6 | 0.1 | 0.0 | 0.6 | -0.1 | -0.1 | -0.7 | 0.0 | -0.2 | 0.0 | 0.0 |
| 1% | -1.8 | 0.0 | 0.1 | -0.1 | 0.5 | -0.3 | 0.0 | -0.1 | -0.3 | 0.0 | 0.0 | 0.0 |
| 5% | -0.7 | 0.0 | 0.0 | 0.2 | 0.3 | 0.6 | -0.1 | -0.1 | -0.3 | 0.0 | 0.0 | 0.0 |
| 10% | -0.3 | -0.1 | -0.3 | 0.2 | -0.1 | -0.2 | 0.0 | 0.1 | 0.2 | 0.1 | 0.1 | 0.1 |
| 25% | -0.9 | -0.1 | -0.1 | 0.1 | 0.1 | -0.1 | -0.2 | -0.1 | -0.2 | -0.7 | -1.0 | -0.9 |
| 50% | -0.7 | -0.3 | -0.1 | -0.3 | -0.2 | -0.1 | -0.1 | 0.1 | 0.1 | 0.7 | 0.6 | -0.1 |
| 75% | -0.1 | -0.6 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 1.0 | -0.5 |
| 99.9% | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |

**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 | -0.8 | -0.3 | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | 0.2 | 0.4 | -0.4 |
| Wet Water Years | -0.7 | -0.3 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | -0.1 | 0.1 | 0.3 |
| Above Normal Water Years | -0.7 | -0.3 | -0.2 | -0.3 | -0.2 | -0.1 | 0.0 | 0.1 | 0.1 | 0.4 | 0.9 | -1.1 |
| Below Normal Water Years | -0.8 | -0.3 | 0.0 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.1 | 0.7 | 1.0 | -1.6 |
| Dry Water Years | -0.9 | -0.3 | -0.1 | -0.3 | -0.2 | -0.2 | -0.2 | -0.3 | -0.2 | -0.1 | 0.2 | -0.1 |
| Critical Water Years | -0.9 | -0.4 | -0.1 | 0.2 | 0.2 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 |

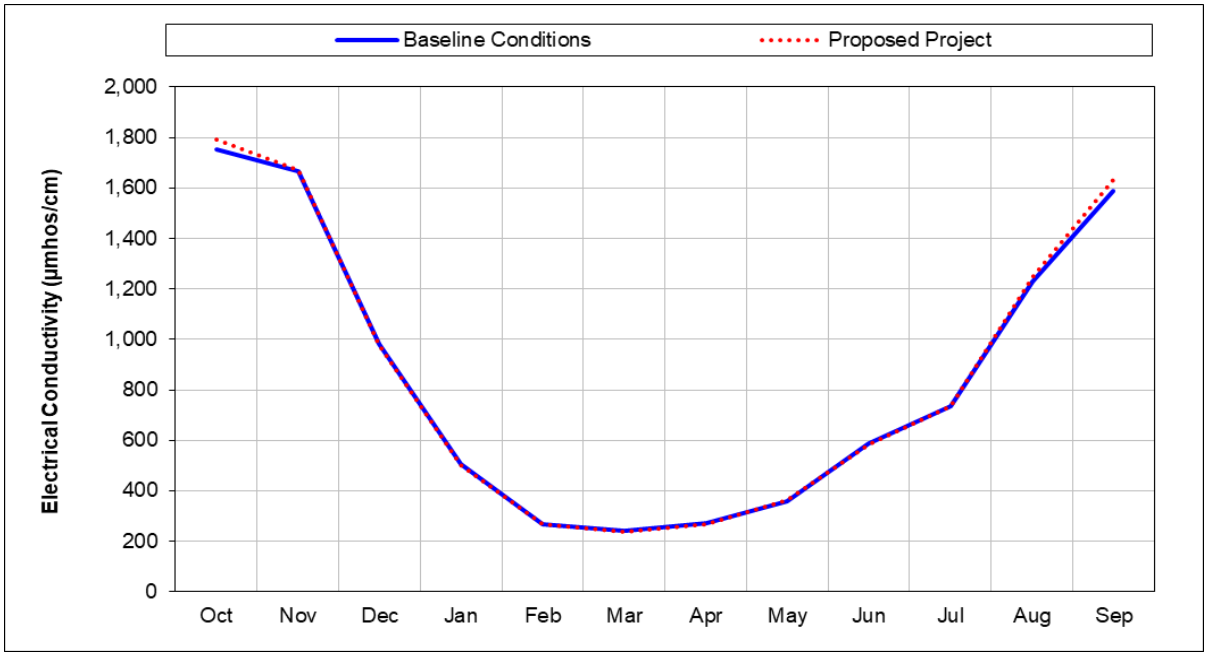


**Figure 5B-1a. Sacramento River at Emmaton, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)**

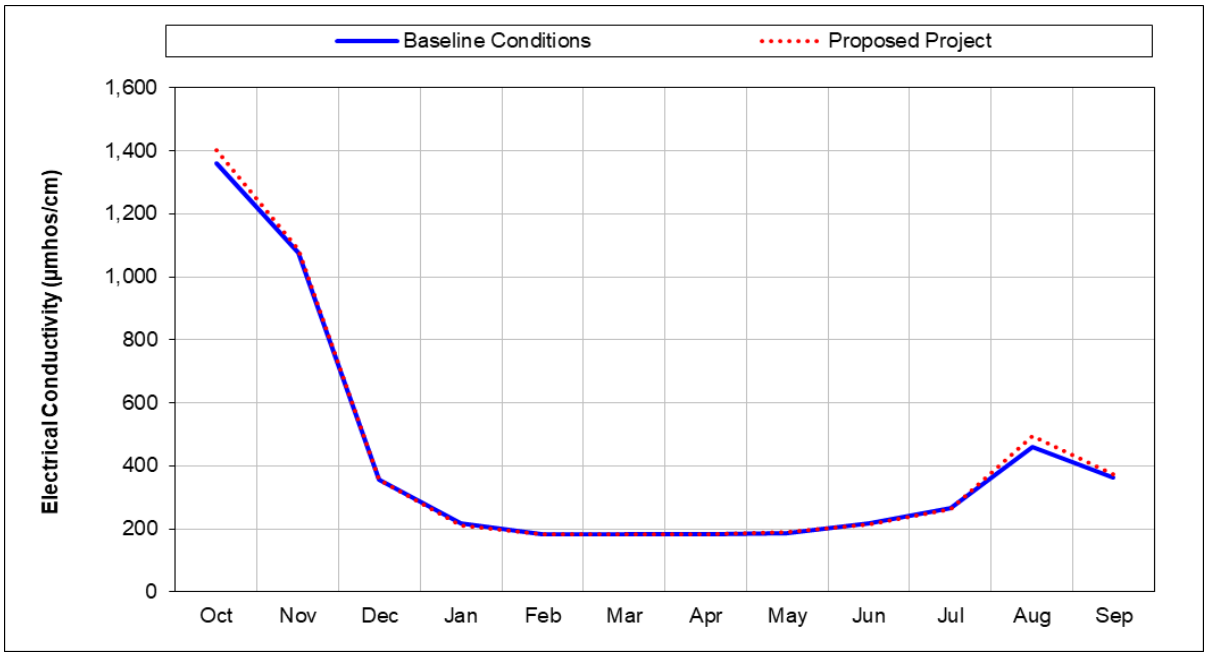


**Figure 5B-1b. Sacramento River at Emmaton, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

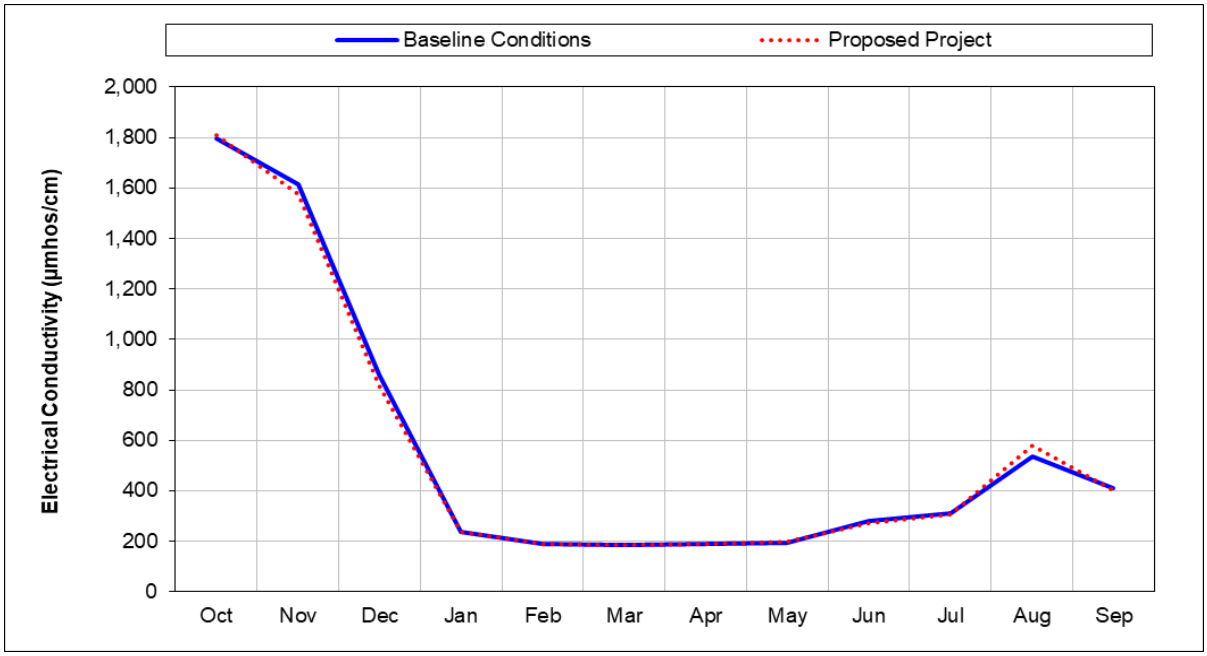


**Figure 5B-1c. Sacramento River at Emmaton, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

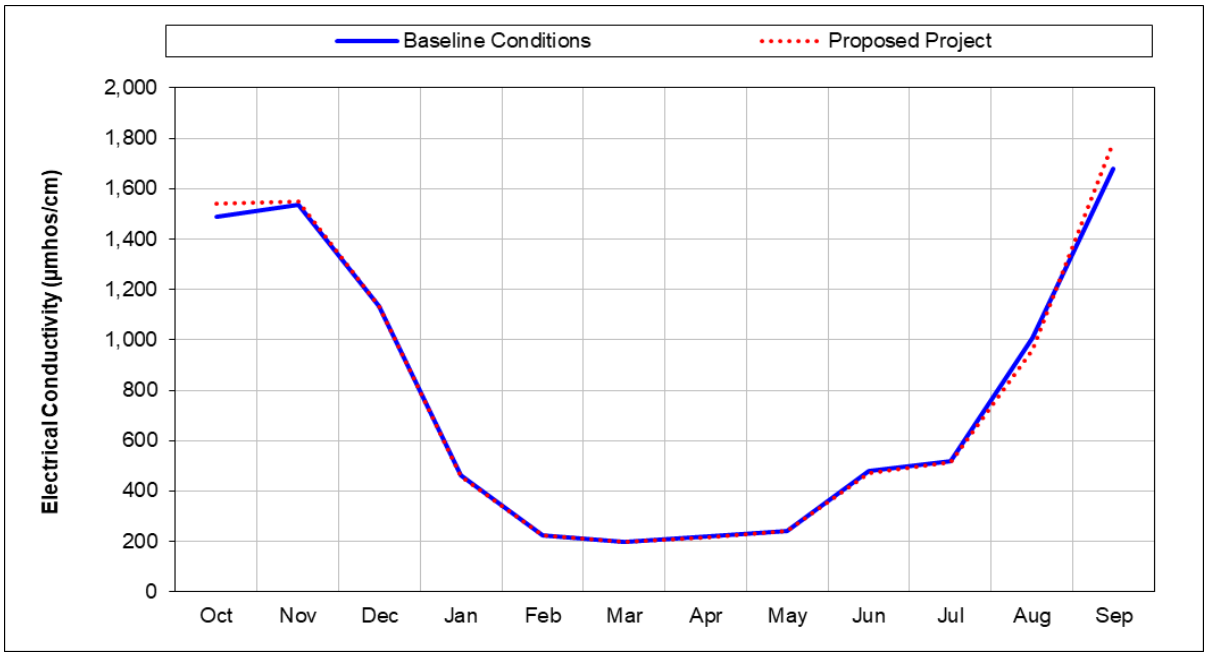


**Figure 5B-1d. Sacramento River at Emmaton, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

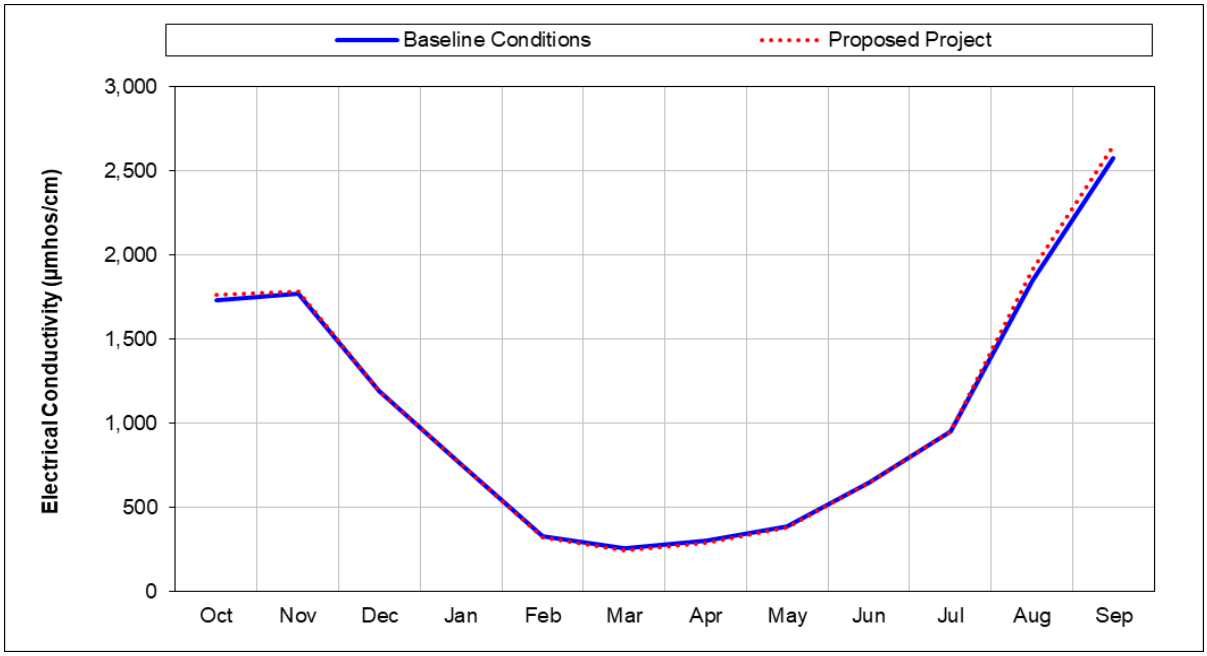


**Figure 5B-1e. Sacramento River at Emmaton, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

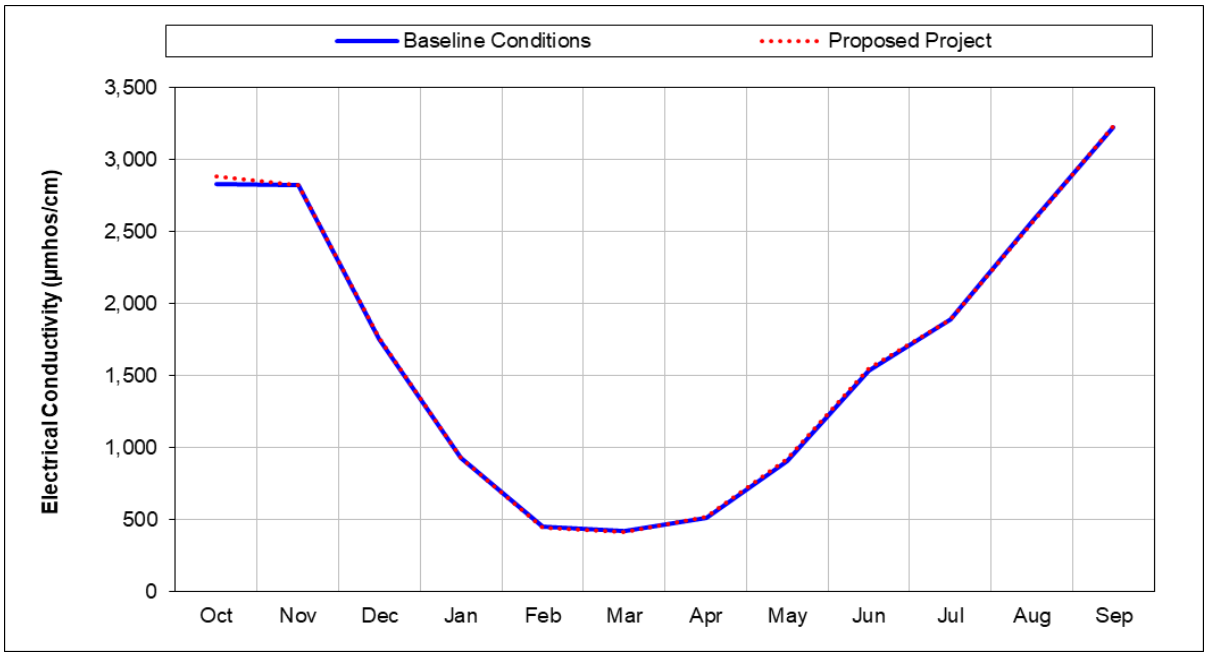


**Figure 5B-1f. Sacramento River at Emmaton, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

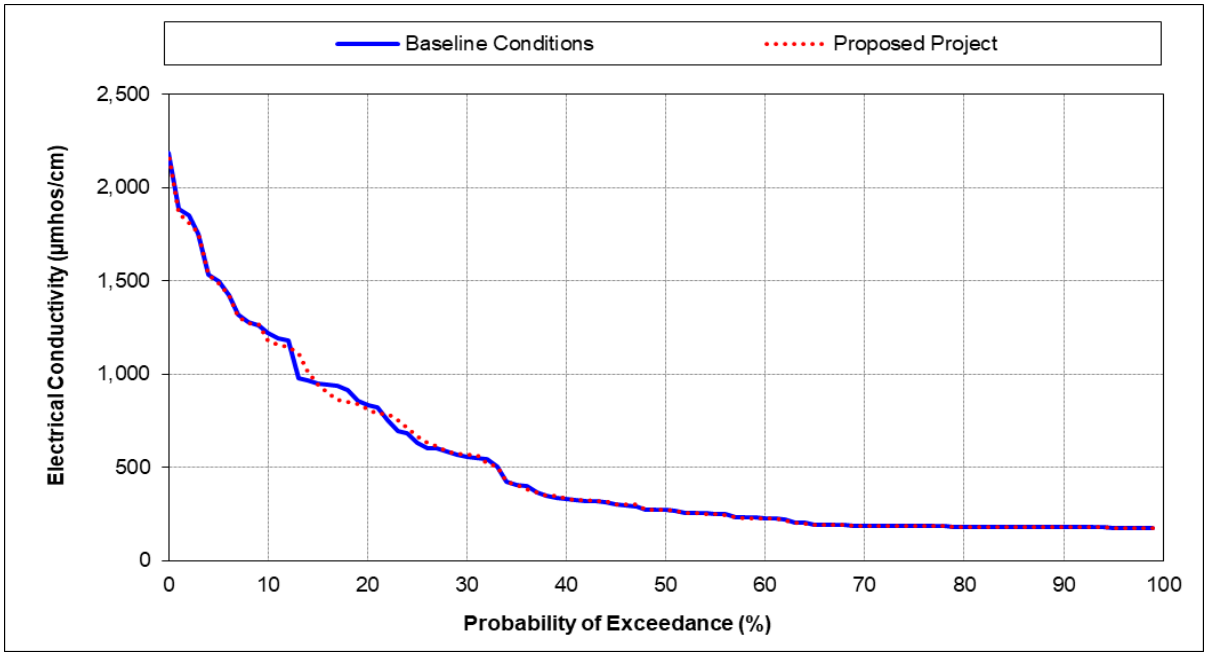


**Figure 5B-1g. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), January**

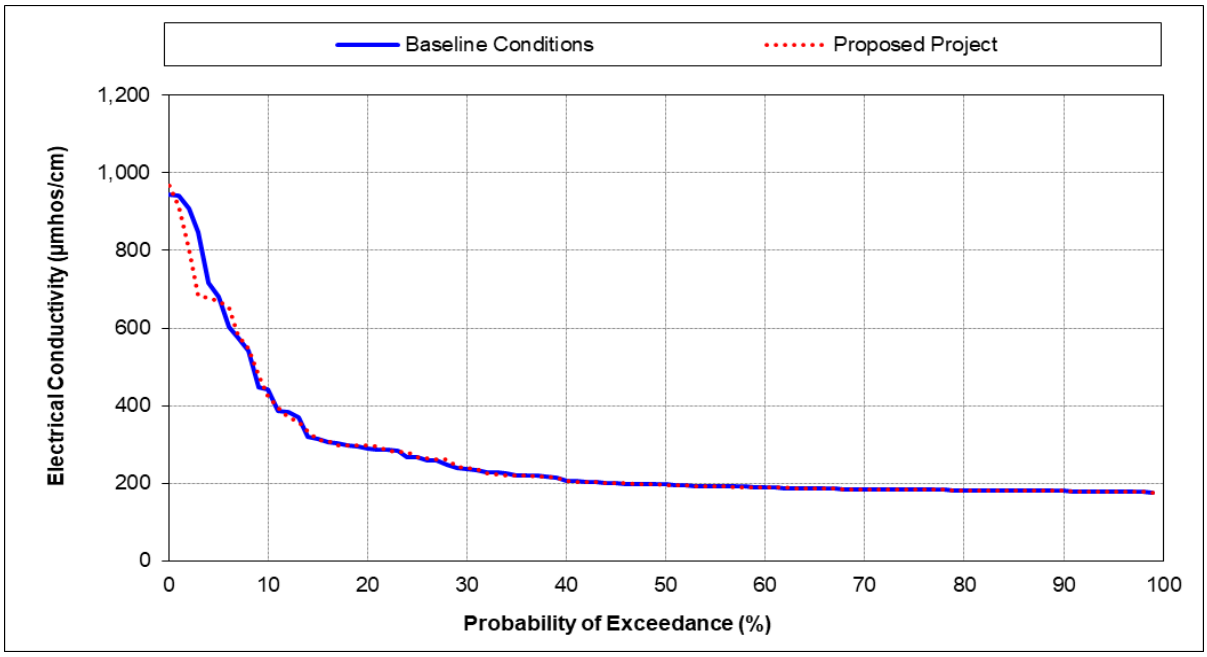


**Figure 5B-1h. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), February**

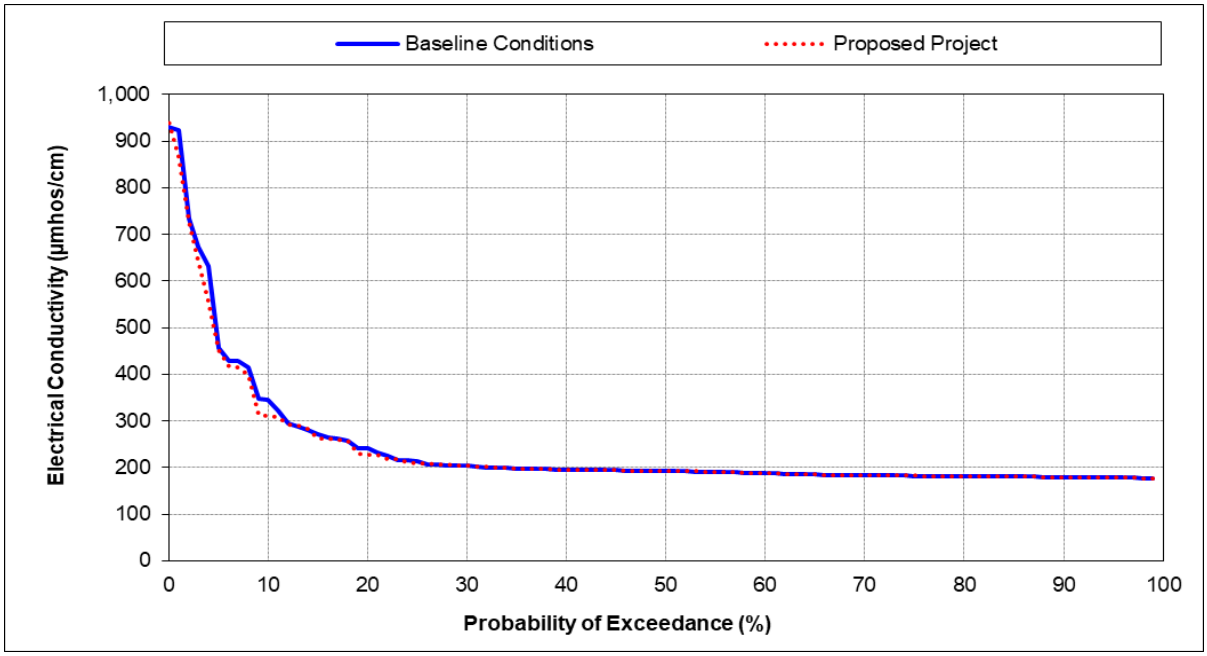


**Figure 5B-1i. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), March**

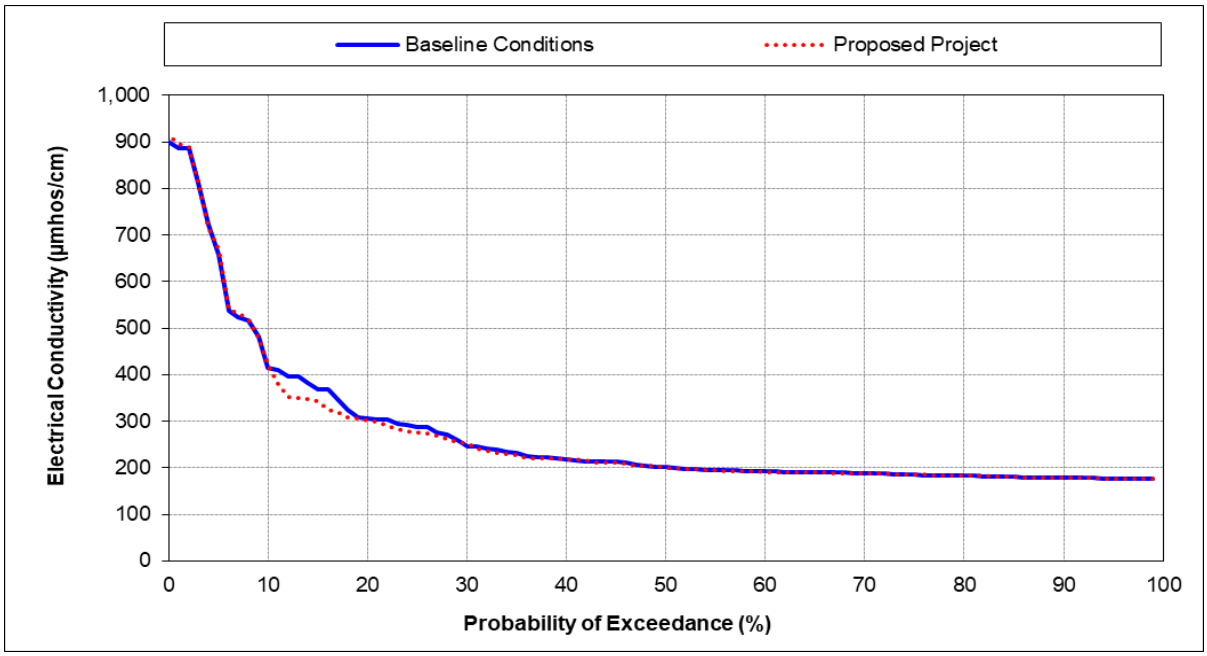


**Figure 5B-1j. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), April**

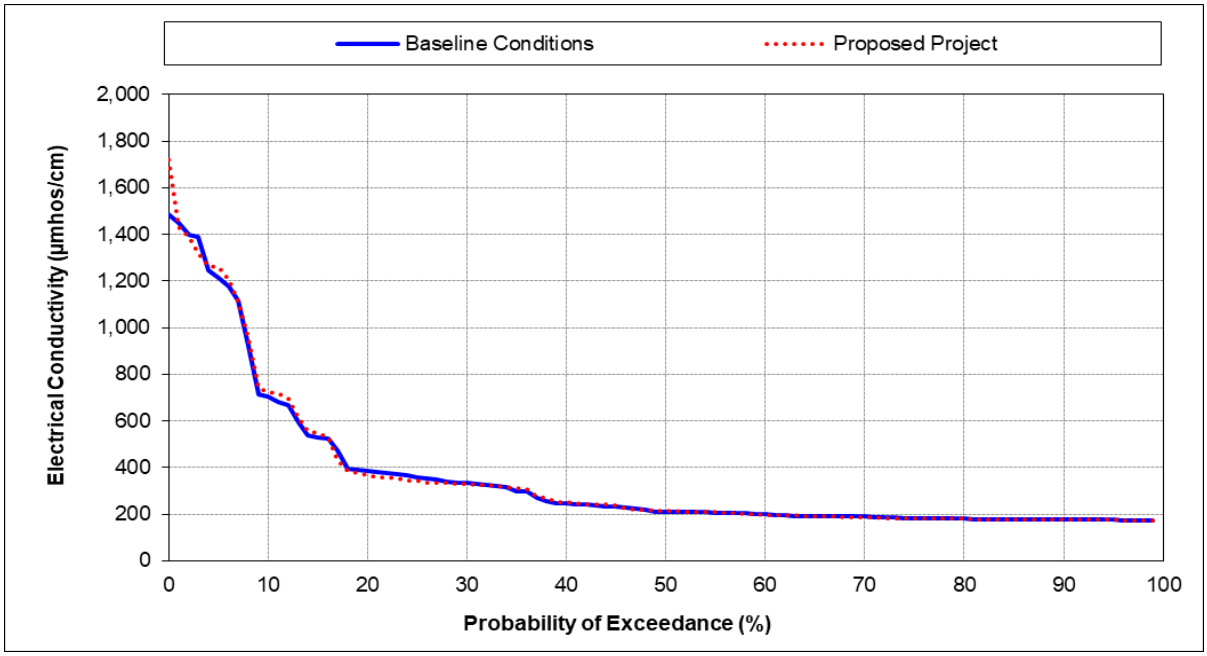


**Figure 5B-1k. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), May**

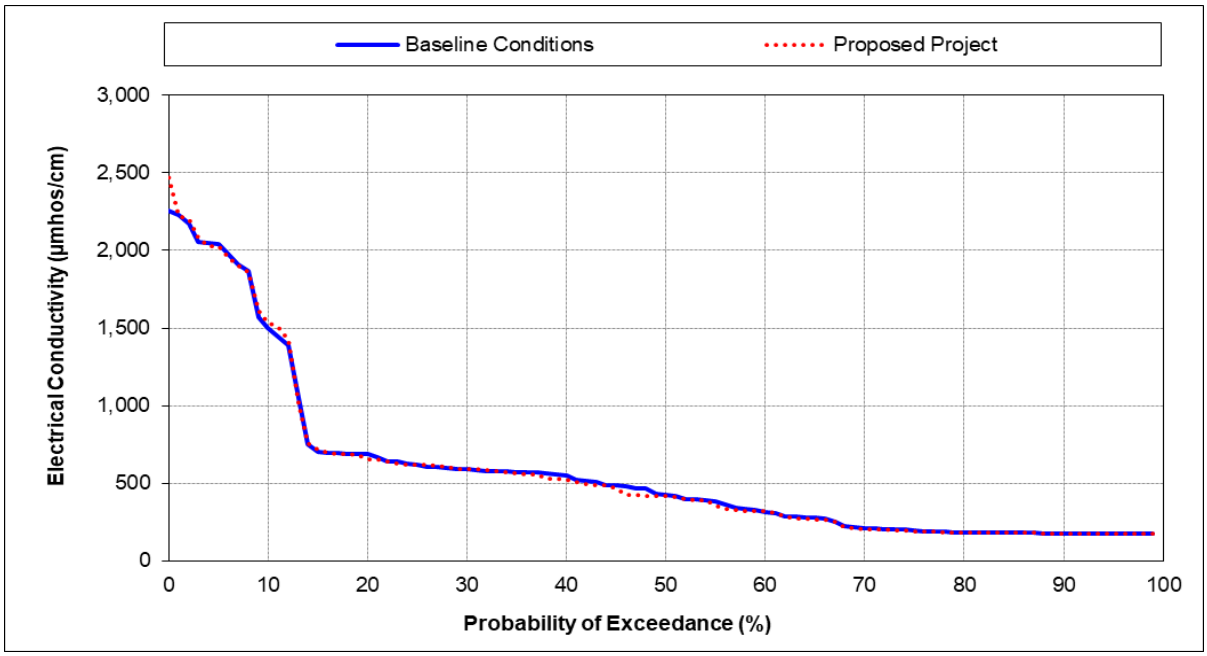


**Figure 5B-1l. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), June**

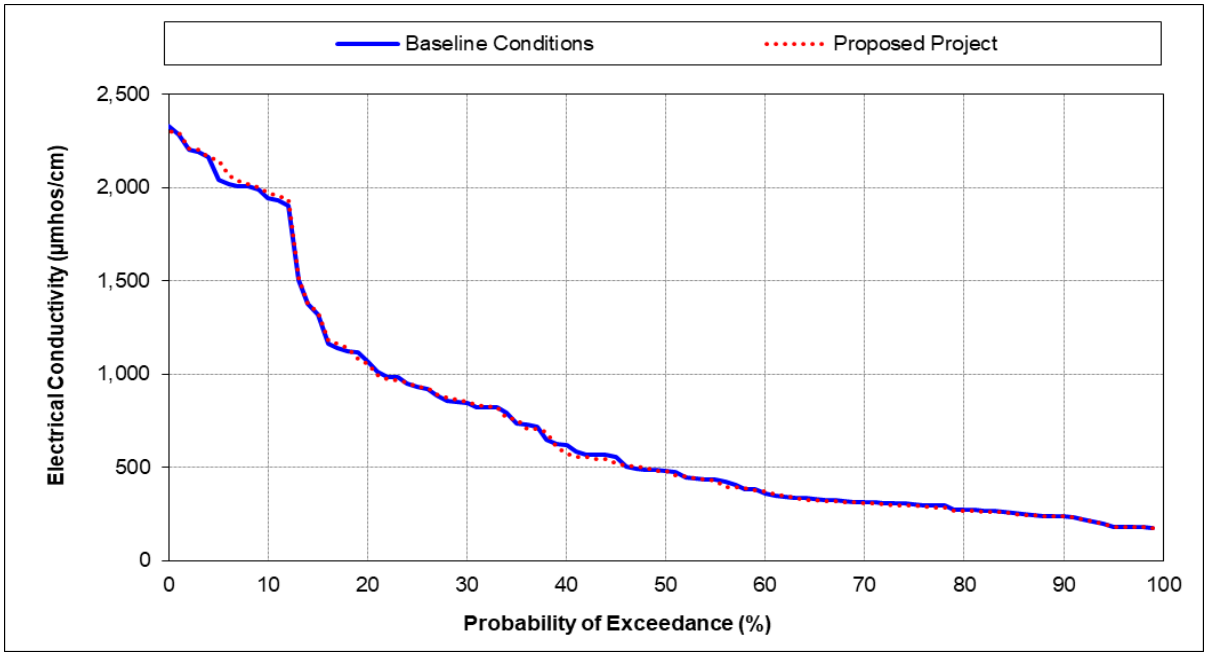


**Figure 5B-1m. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), July**

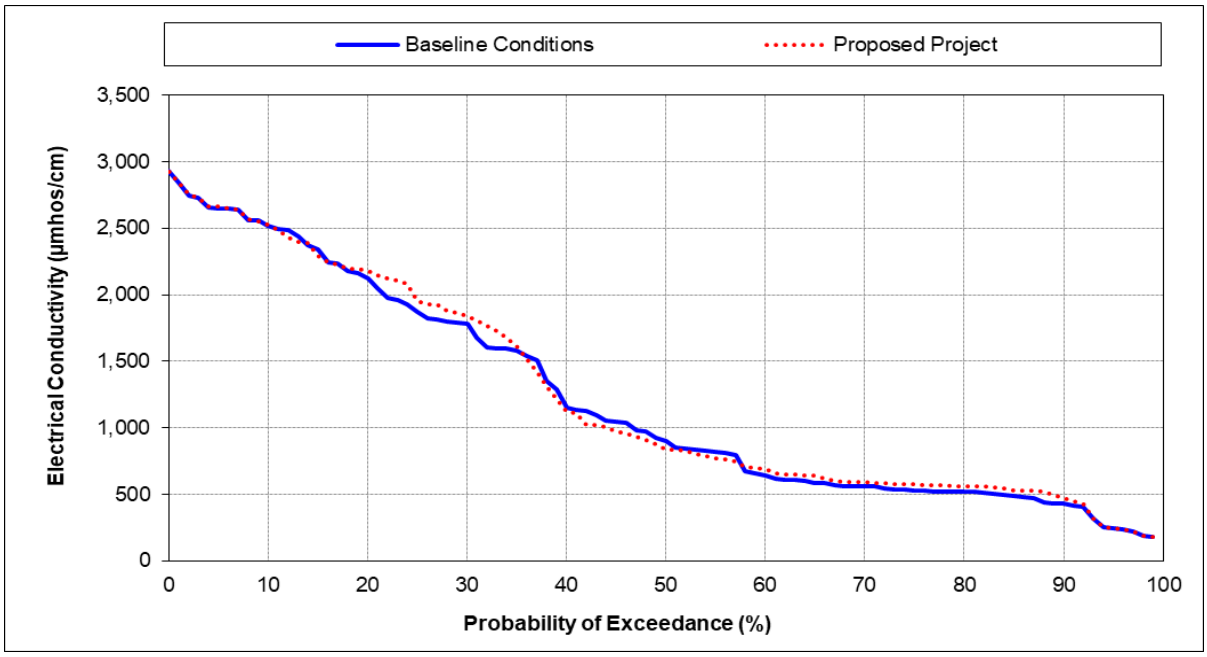


**Figure 5B-1n. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), August**

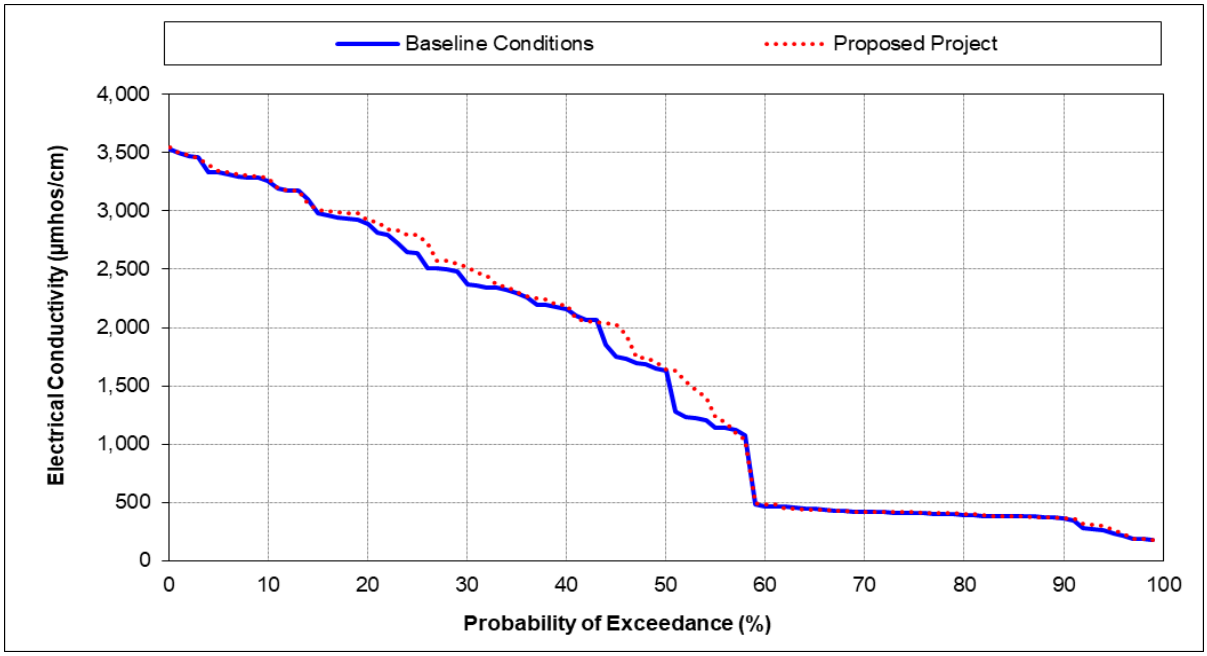


**Figure 5B-1o. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), September**

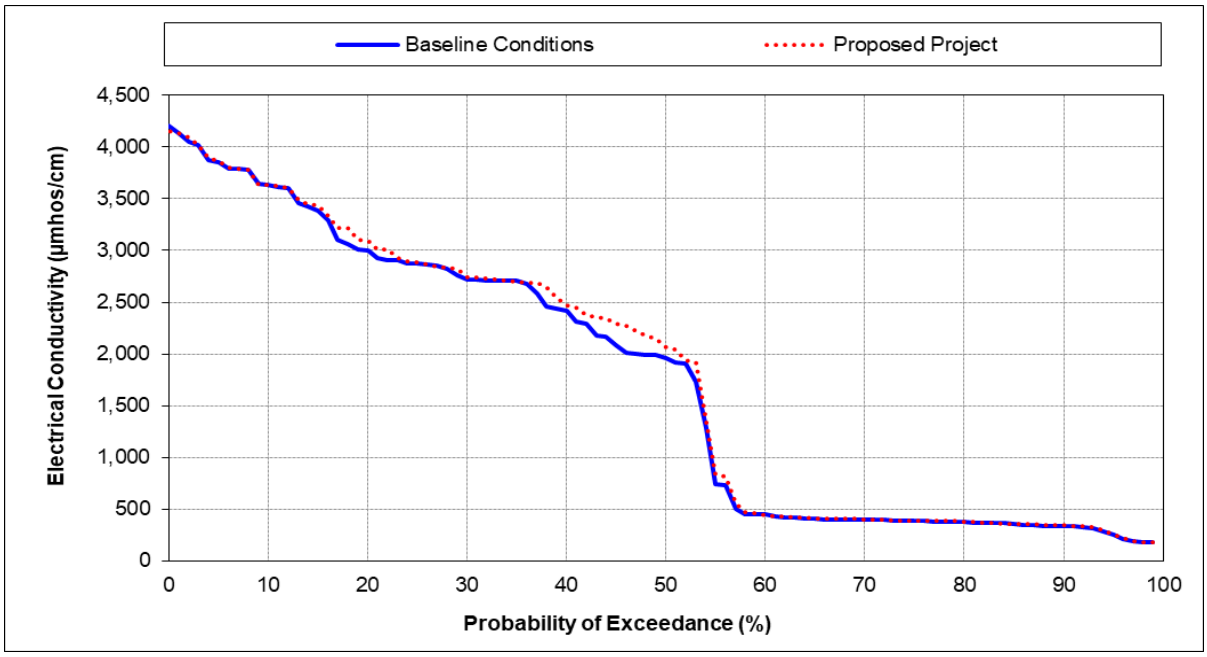


**Figure 5B-1p. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), October**

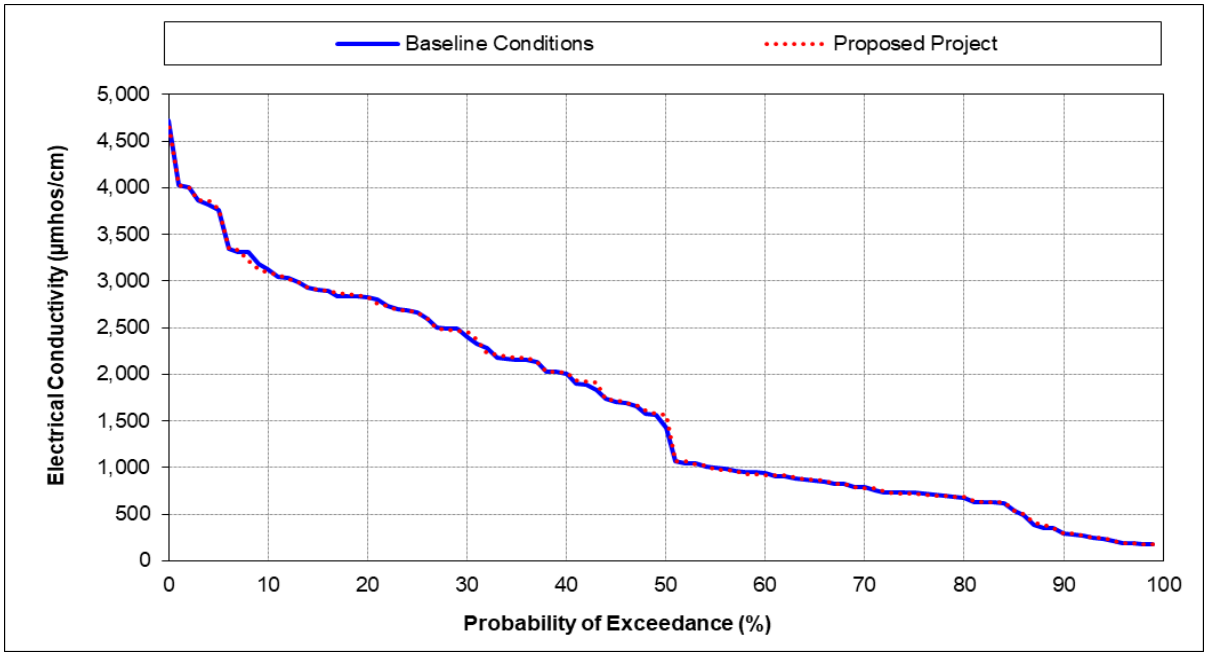


**Figure 5B-1q. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), November**

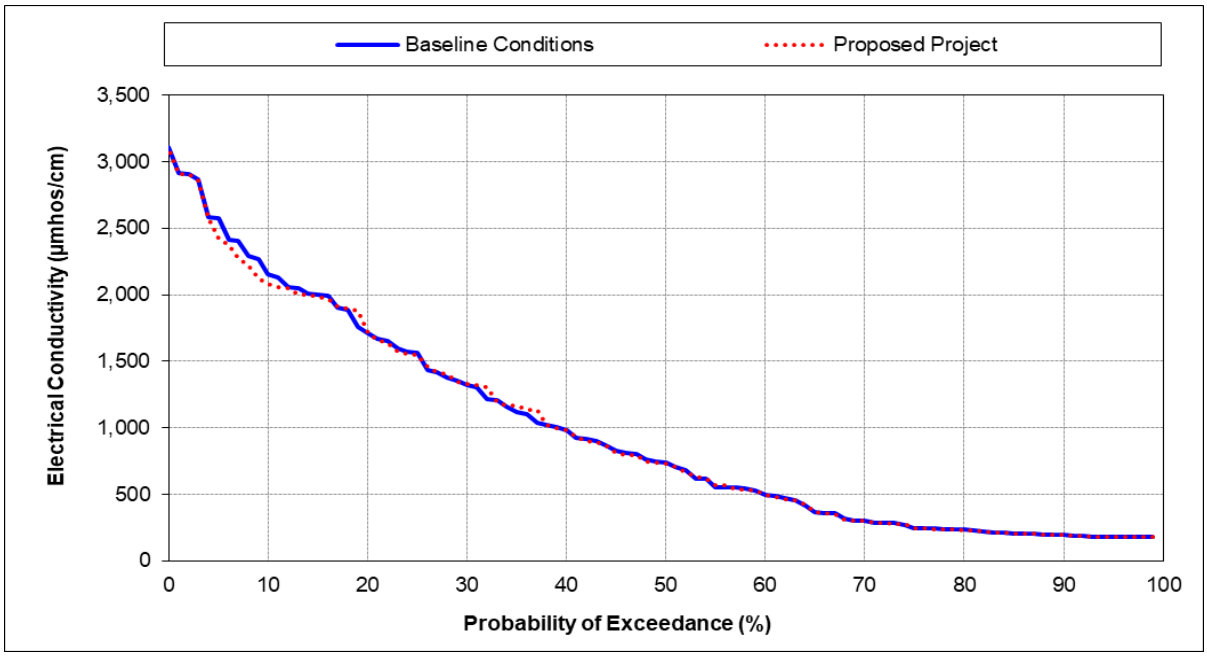


**Figure 5B-1r. Sacramento River at Emmaton, Monthly Average Electrical Conductivity (in micromhos per centimeter), December**

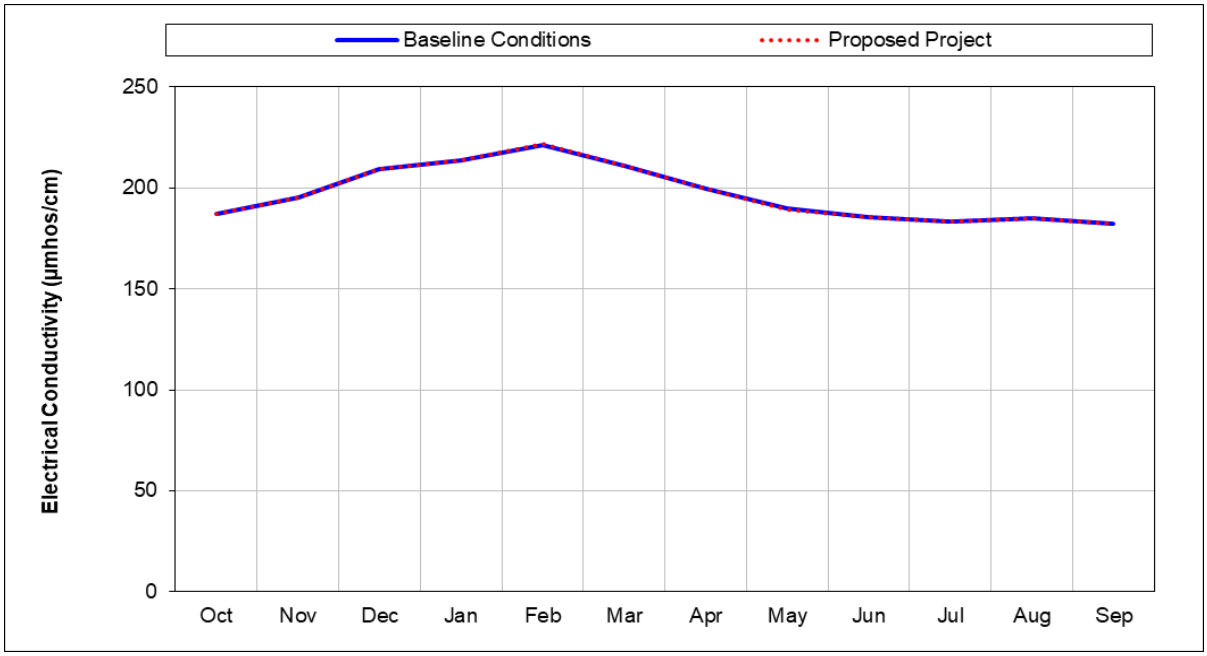


**Figure 5B-2a. S. Fork Mokelumne River at Terminous, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)**

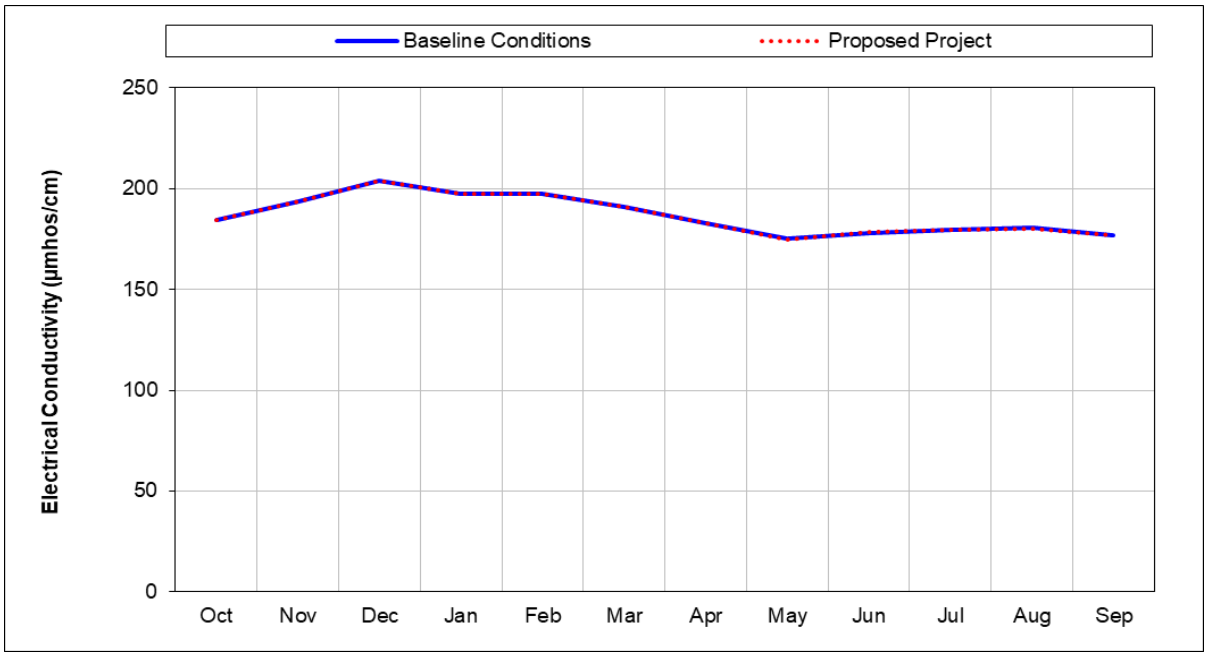


**Figure 5B-2b. S. Fork Mokelumne River at Terminous, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

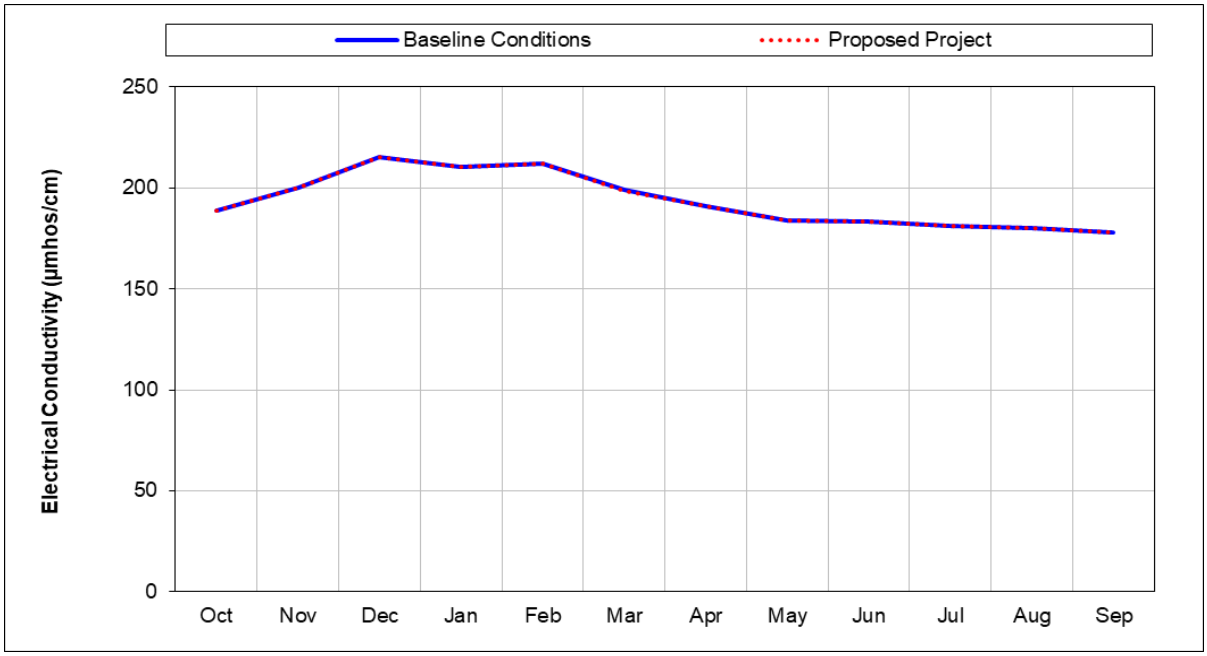


**Figure 5B-2c. S. Fork Mokelumne River at Terminous, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

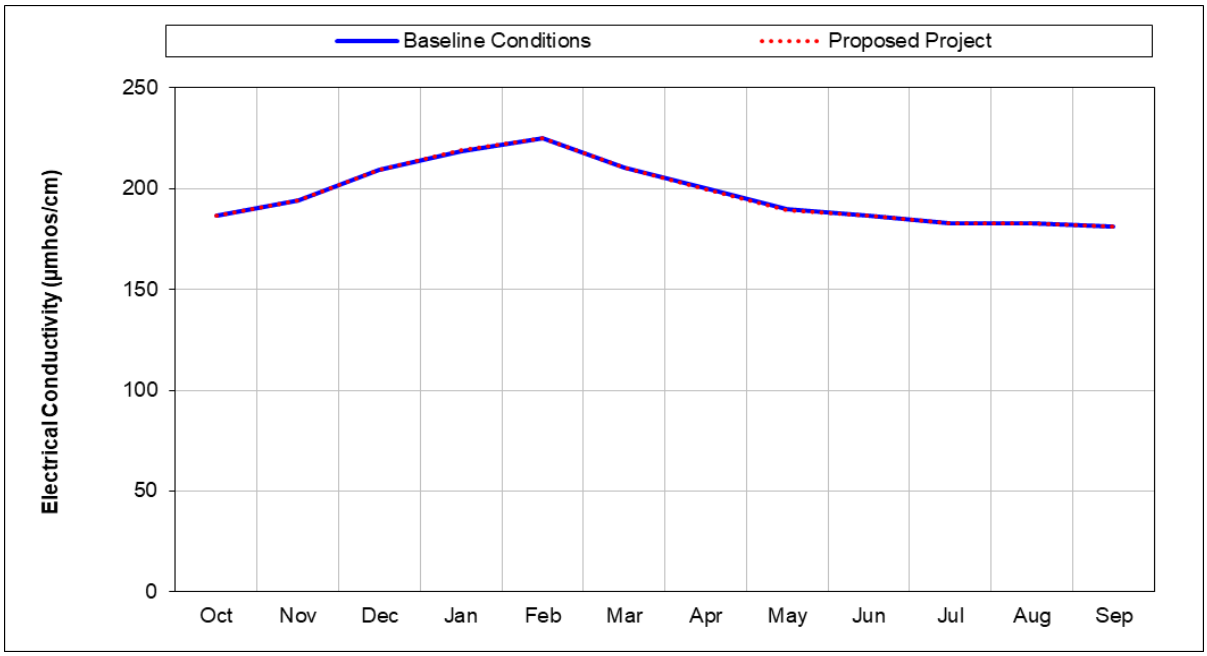


**Figure 5B-2d. S. Fork Mokelumne River at Terminous, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

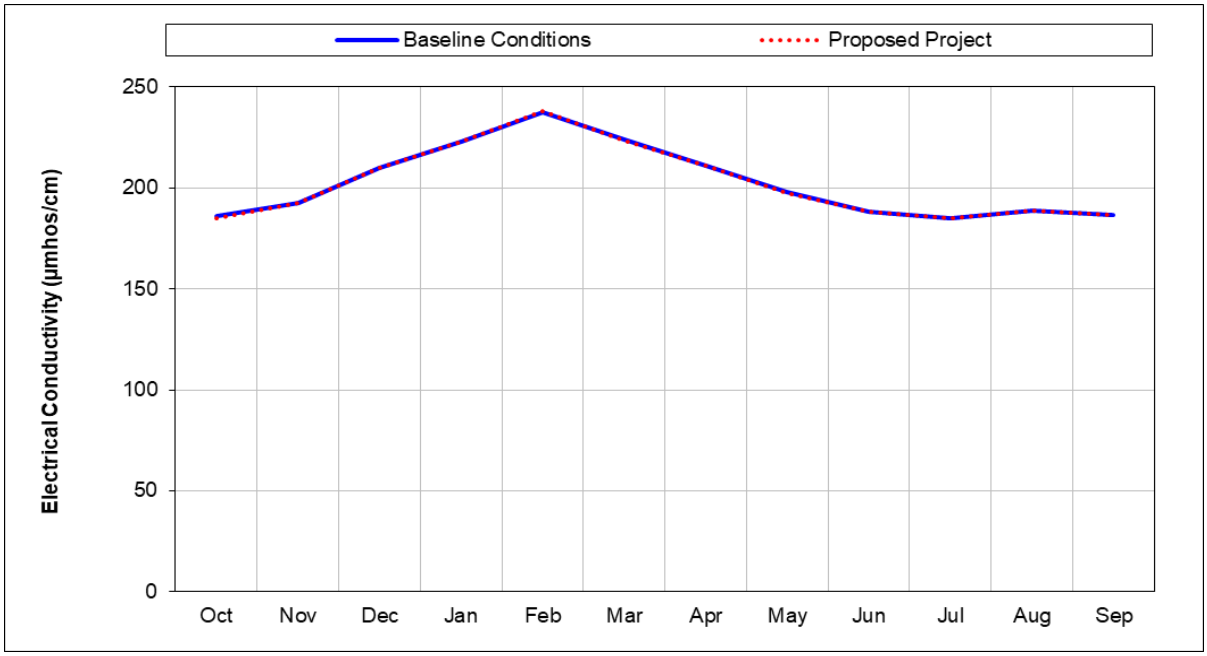


**Figure 5B-2e. S. Fork Mokelumne River at Terminous, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

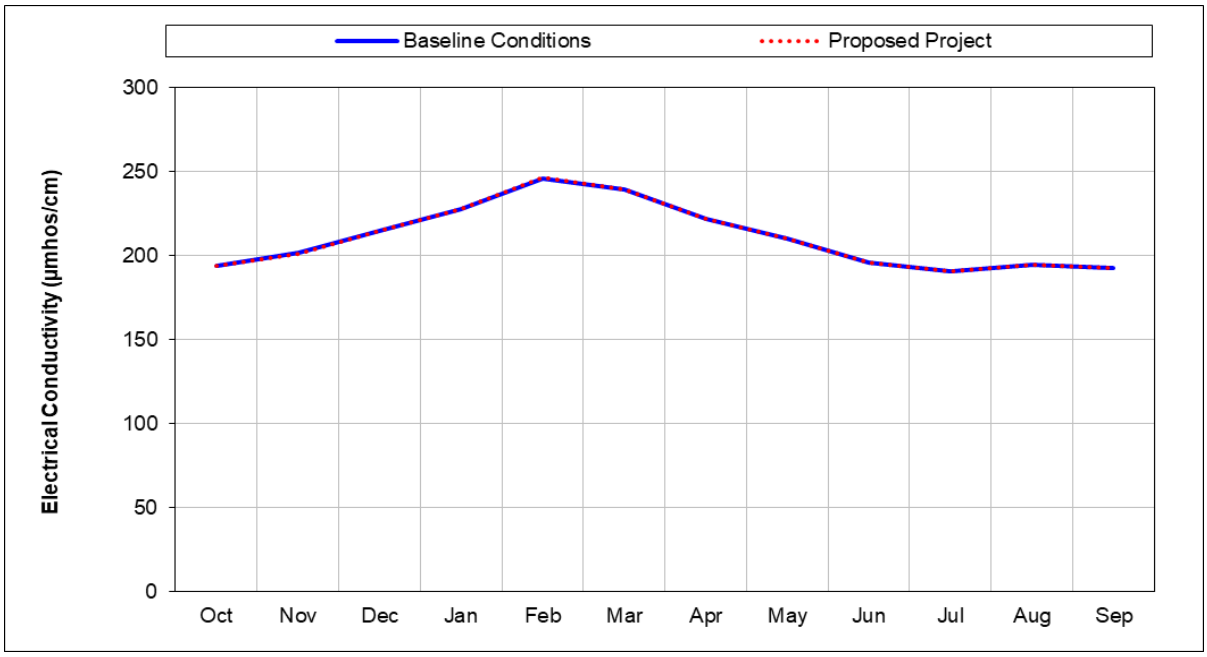


**Figure 5B-2f. S. Fork Mokelumne River at Terminous, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

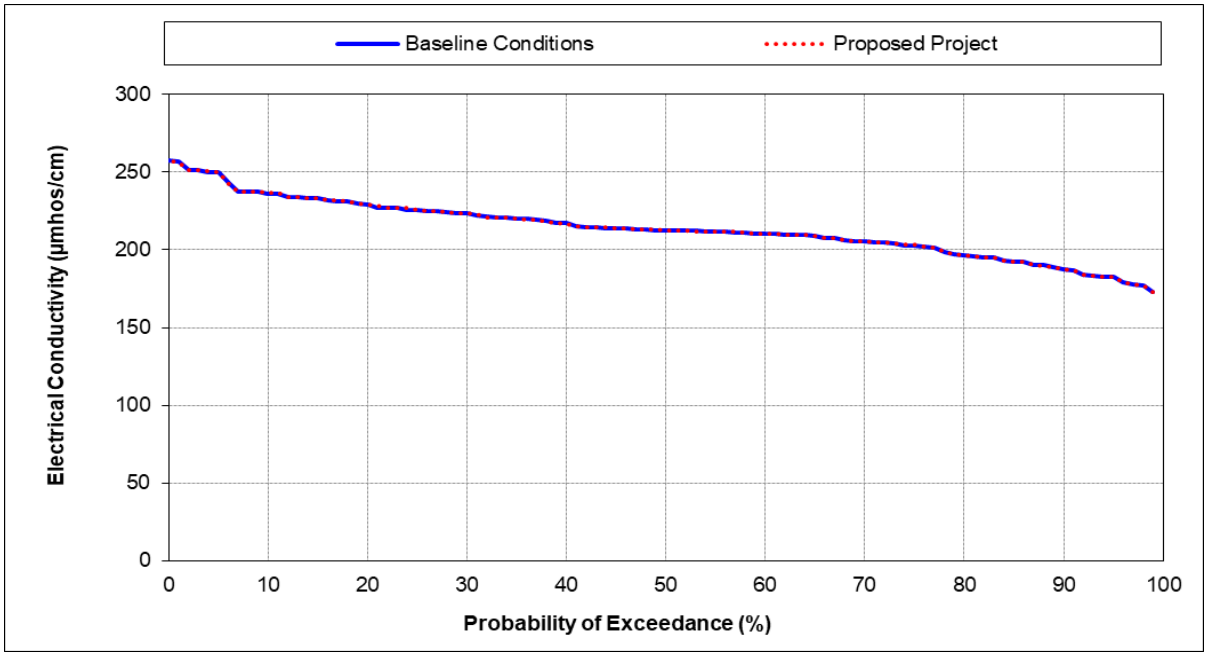


**Figure 5B-2g. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), January**

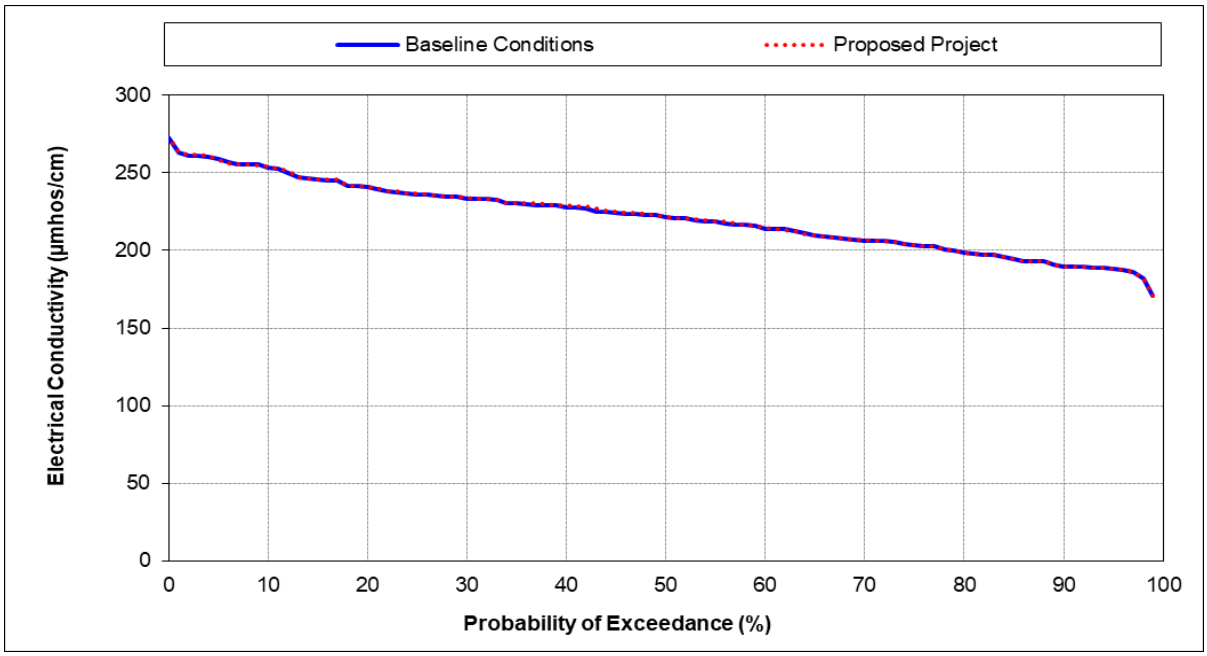


**Figure 5B-2h. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), February**

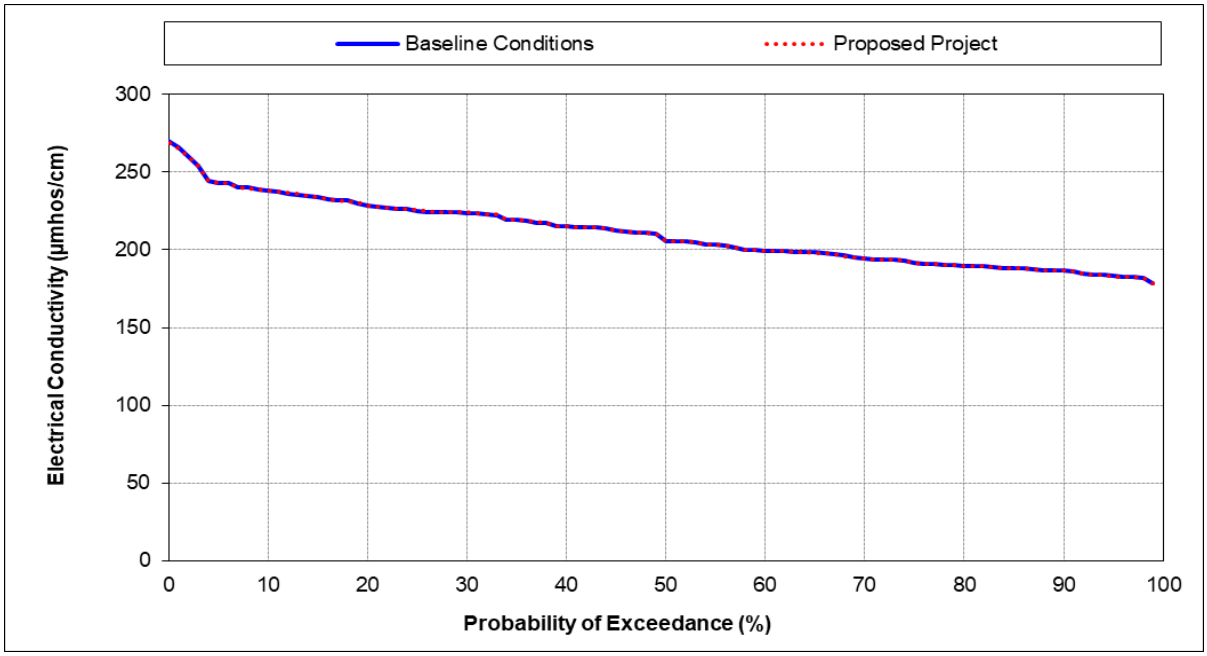


**Figure 5B-2i. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), March**

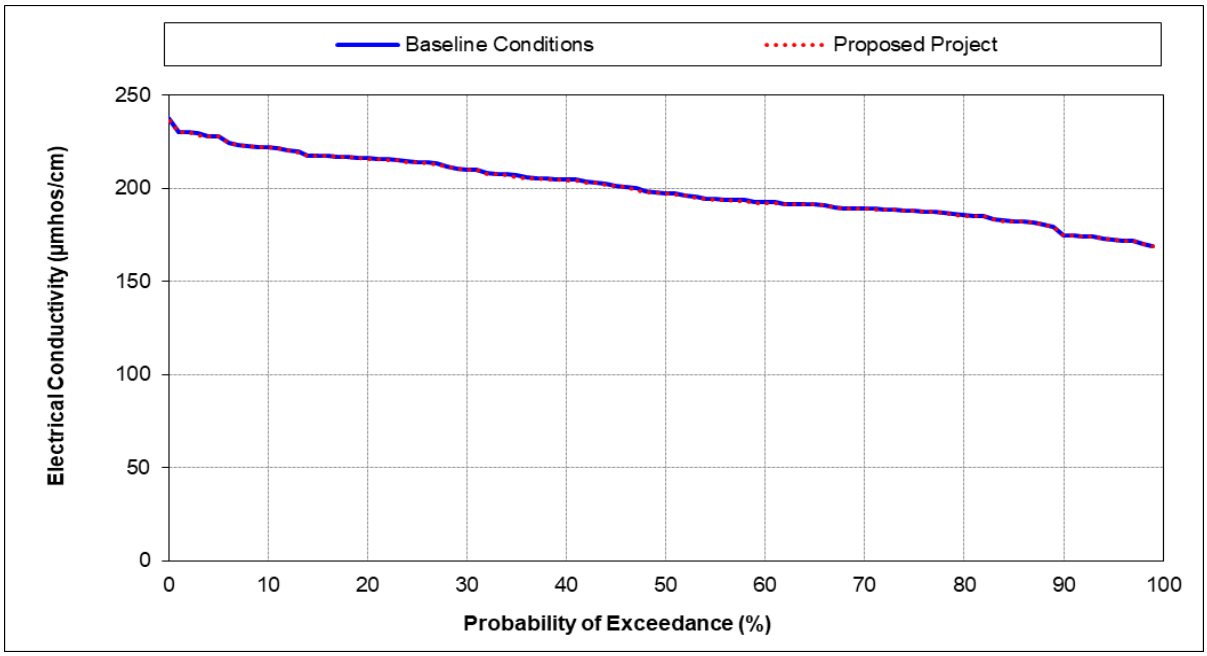


**Figure 5B-2j. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), April**

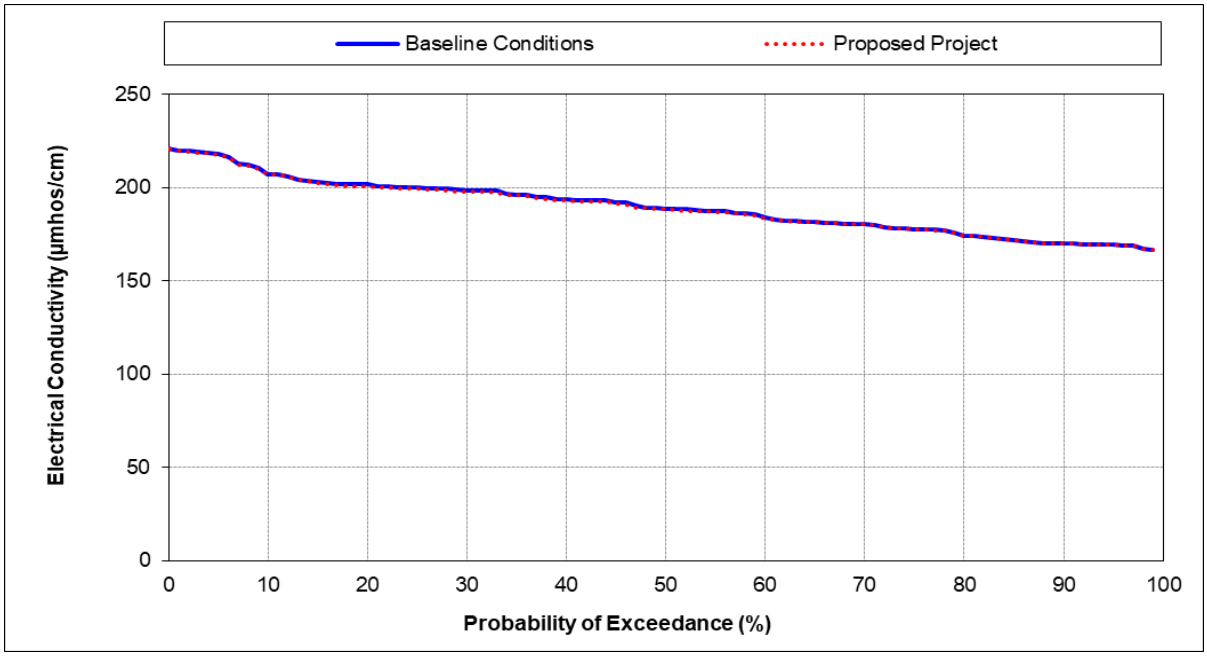


**Figure 5B-2k. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), May**

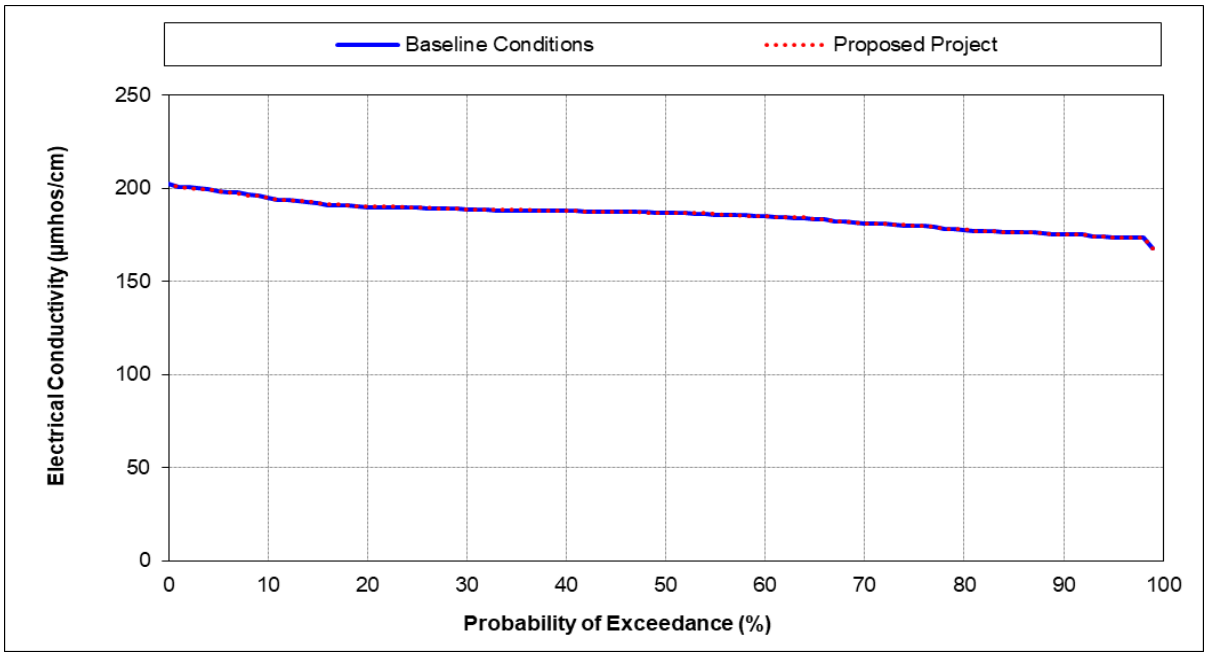


**Figure 5B-2l. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), June**

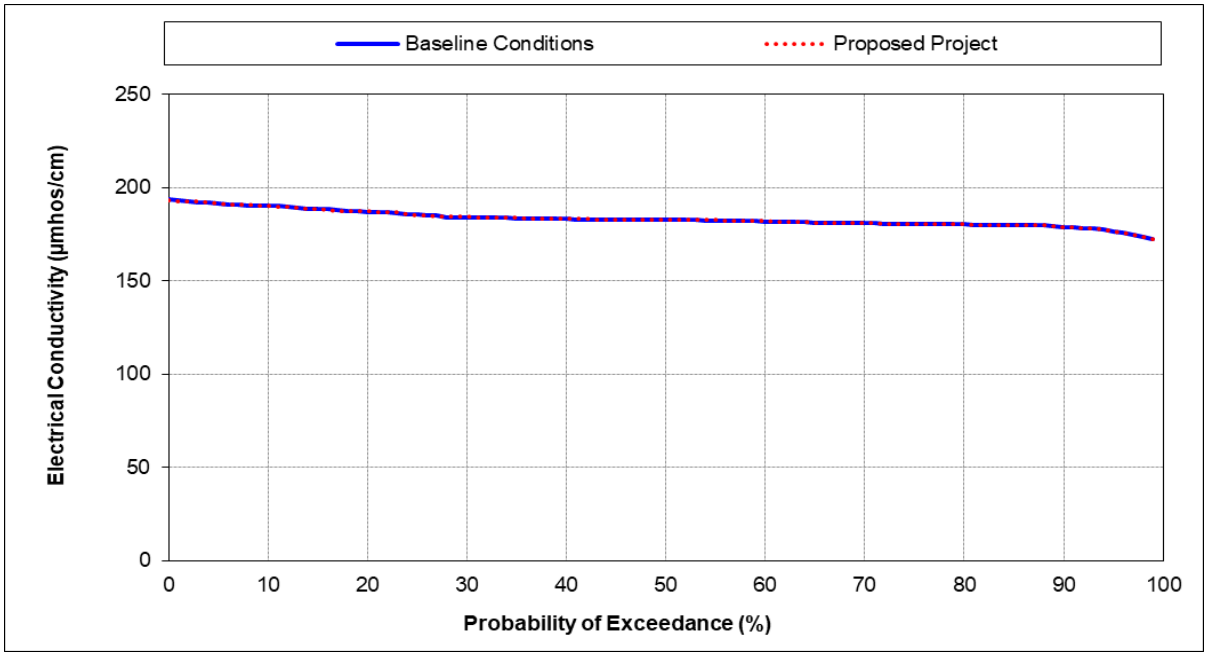


**Figure 5B-2m. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), July**

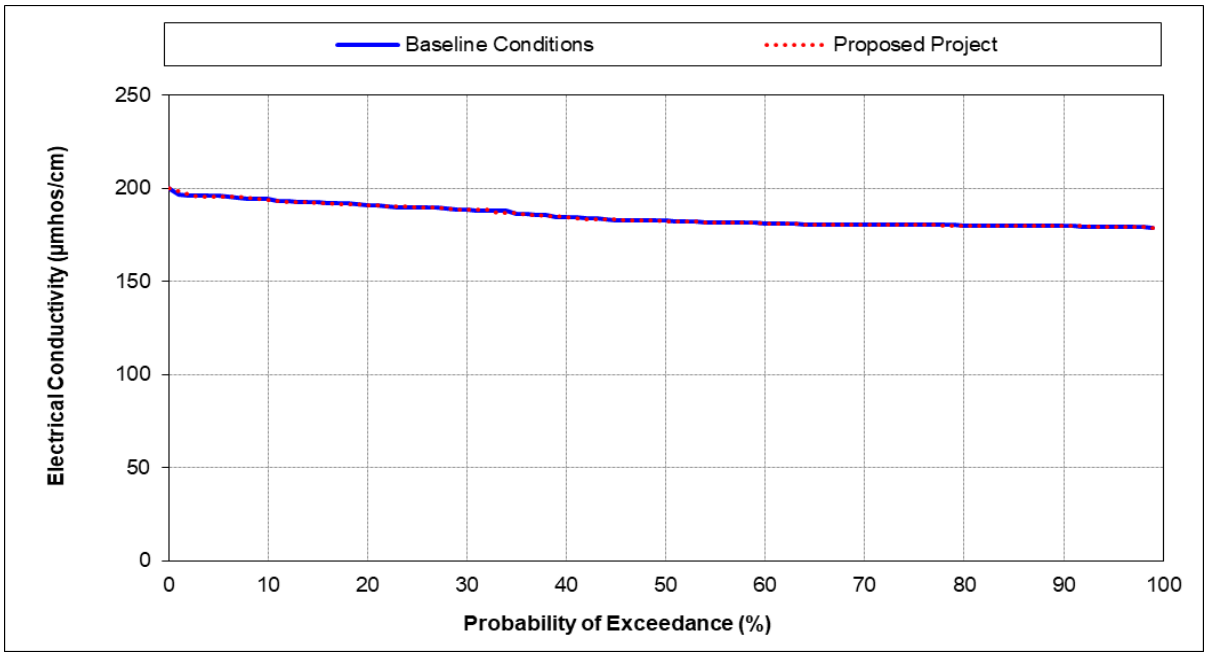


**Figure 5B-2n. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), August**

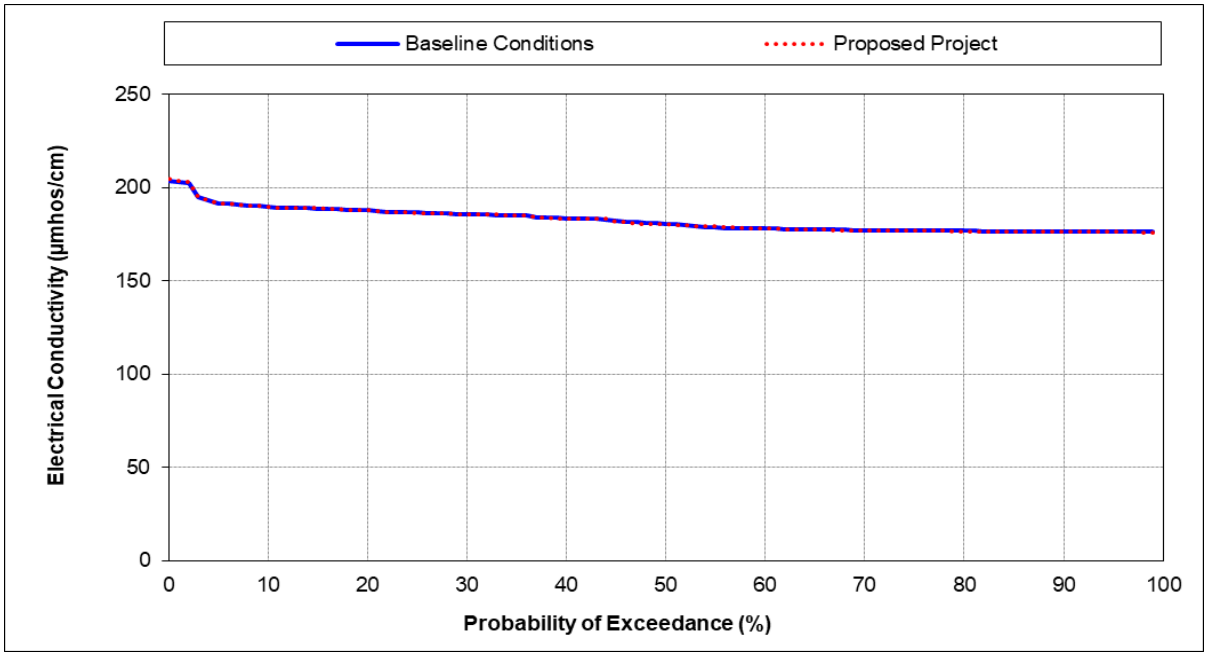


**Figure 5B-2o. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), September**

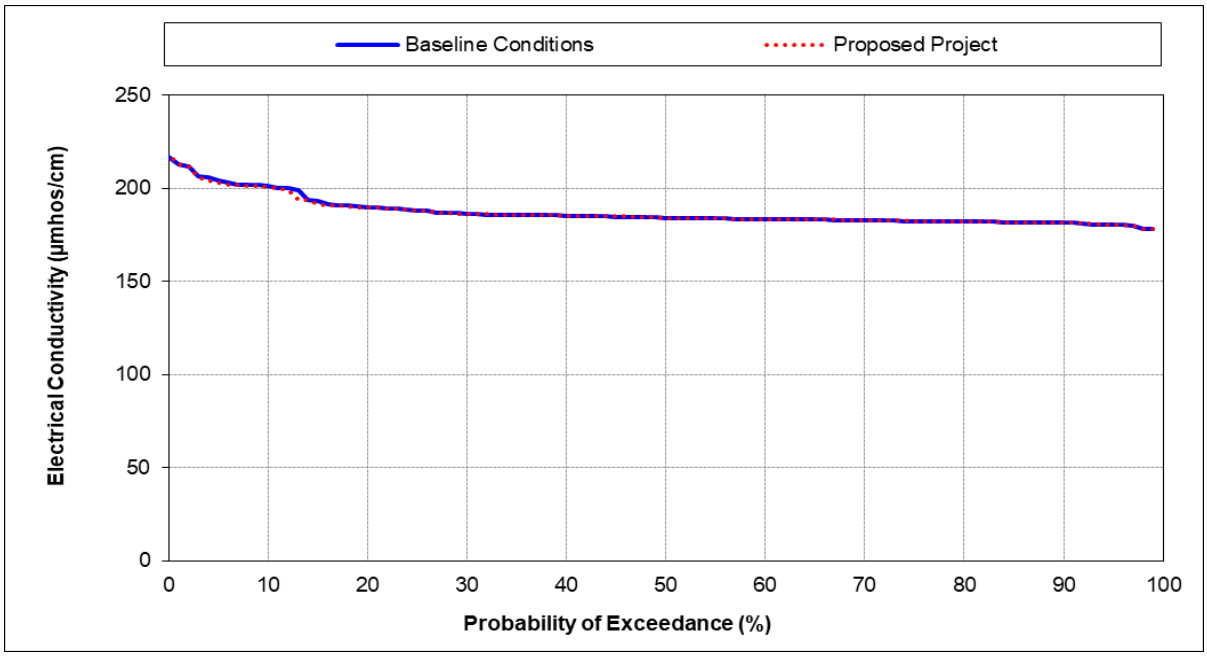


**Figure 5B-2p. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), October**

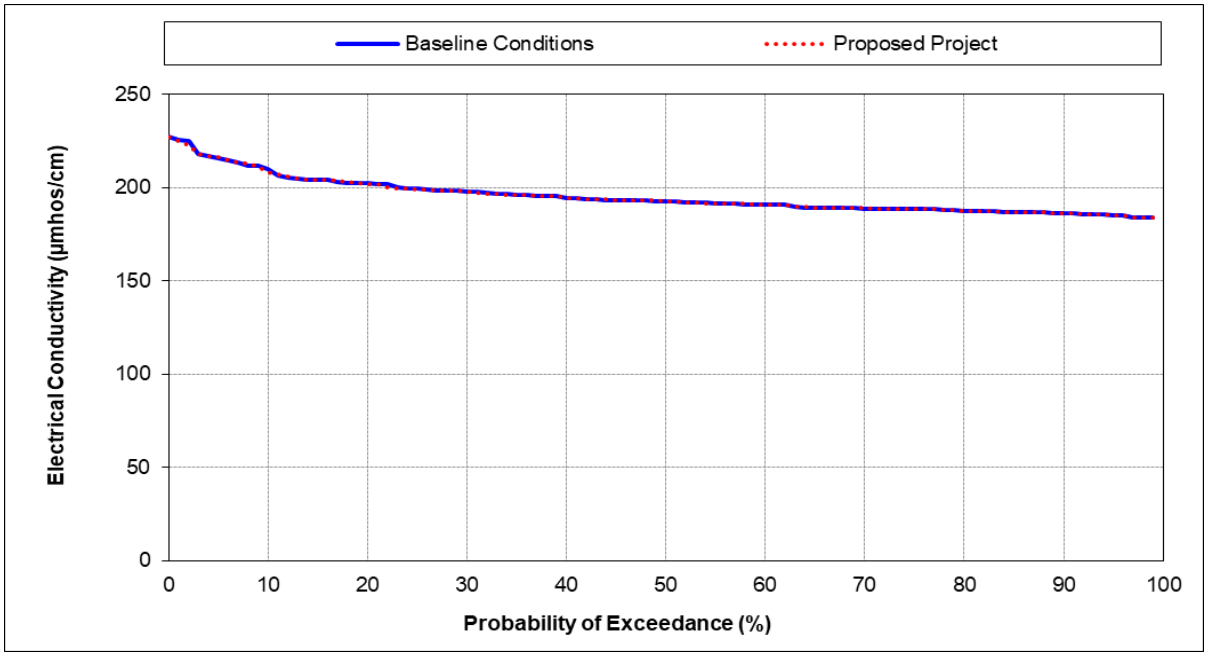


**Figure 5B-2q. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), November**

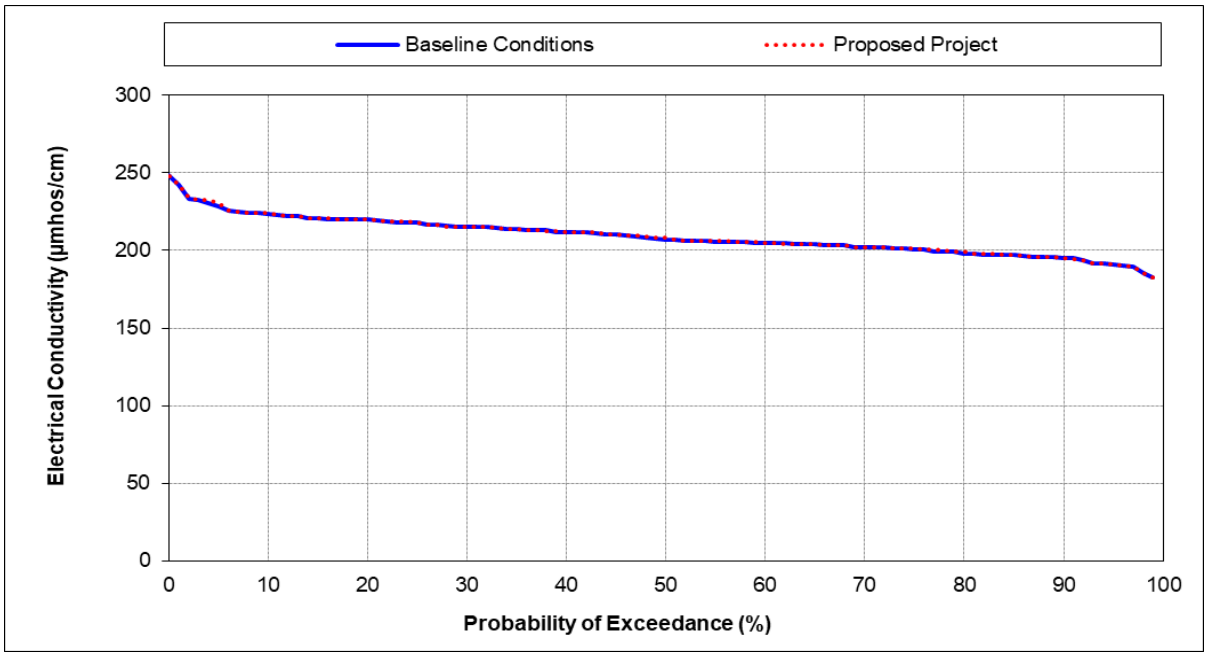


**Figure 5B-2r. S. Fork Mokelumne River at Terminous, Monthly Average Electrical Conductivity (in micromhos per centimeter), December**

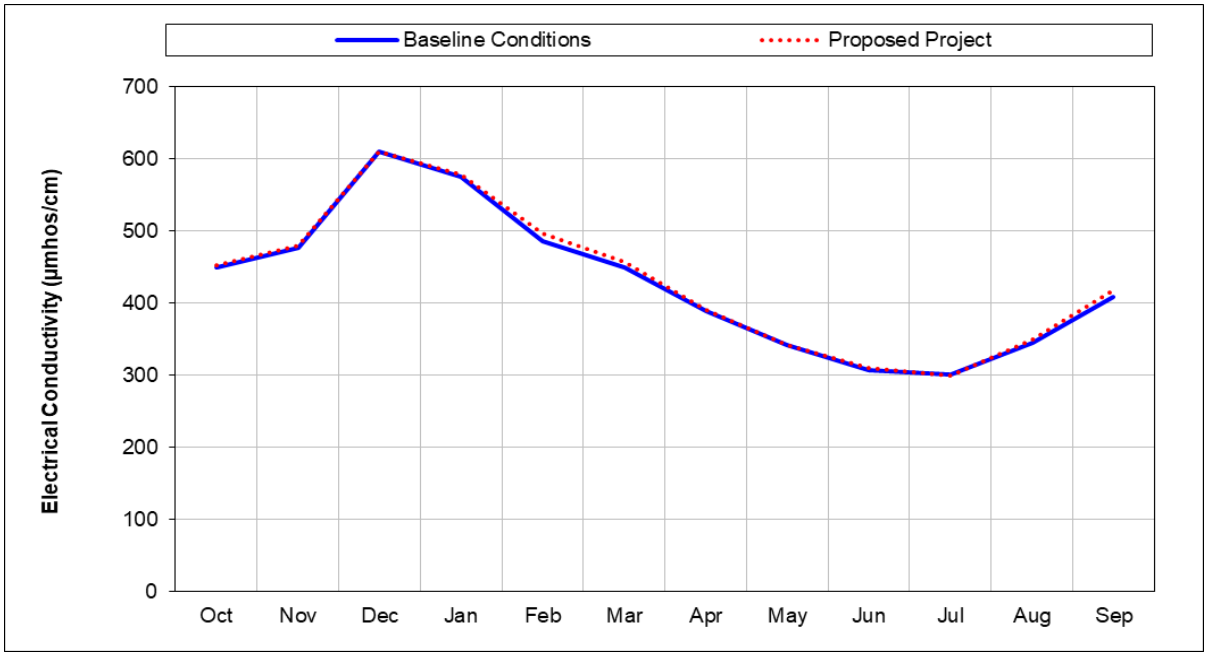


**Figure 5B-3a. Banks Pumping Plant, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)**

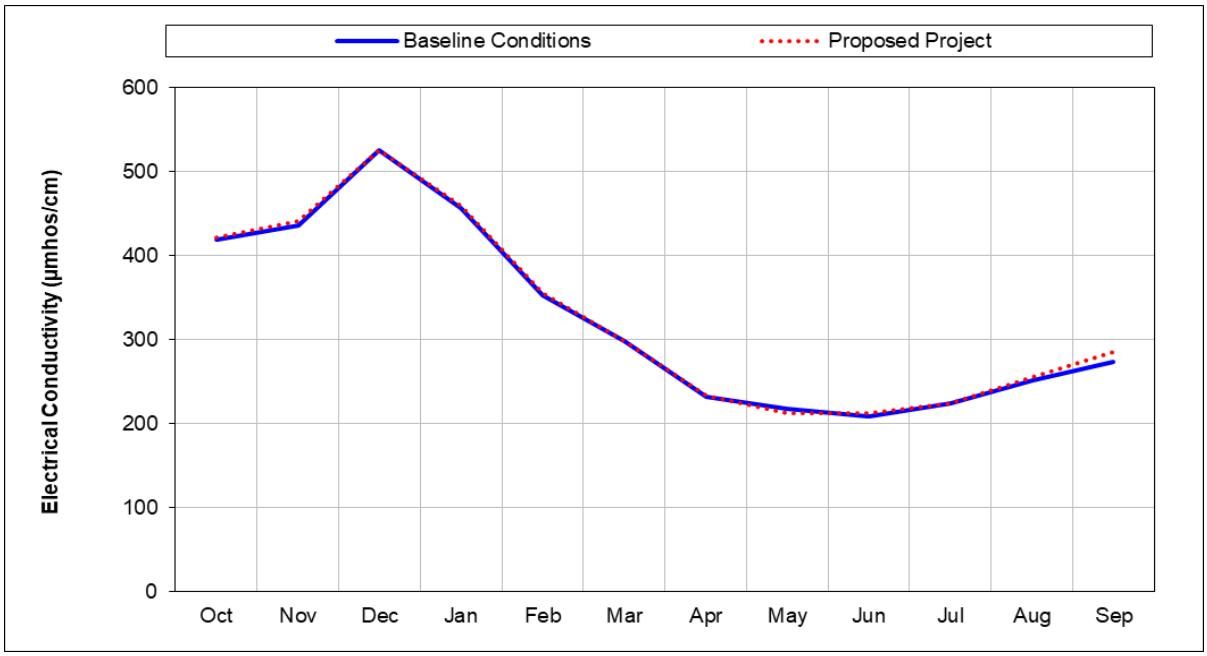


**Figure 5B-3b. Banks Pumping Plant, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

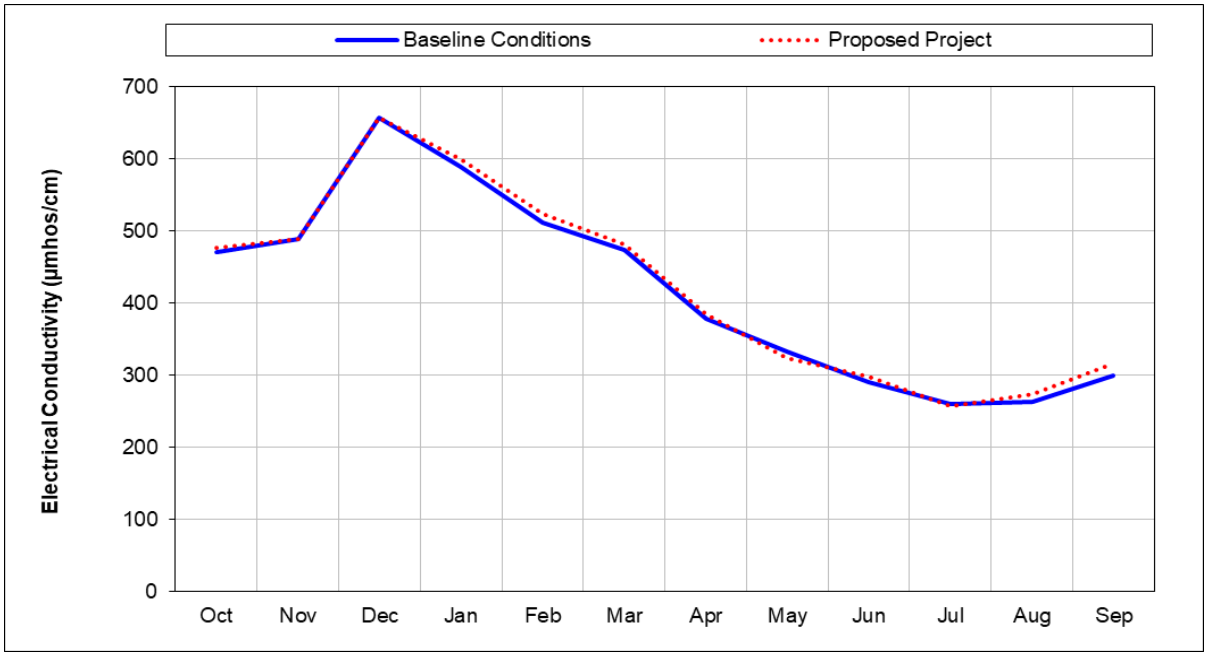


**Figure 5B-3c. Banks Pumping Plant, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

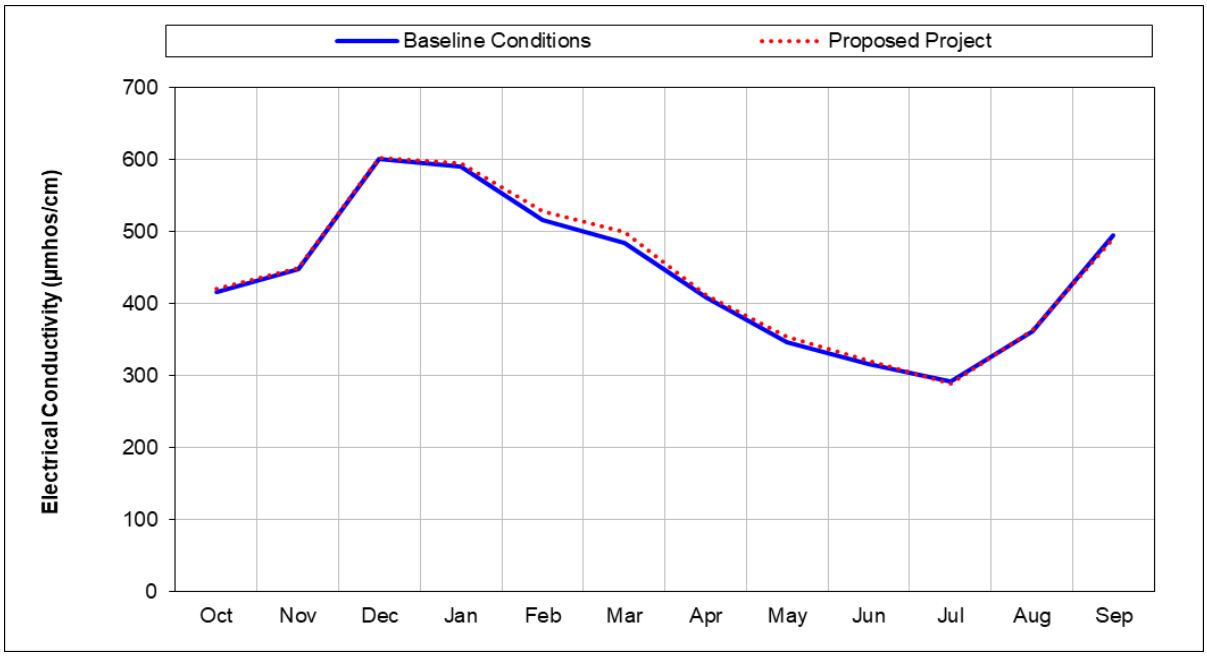


**Figure 5B-3d. Banks Pumping Plant, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

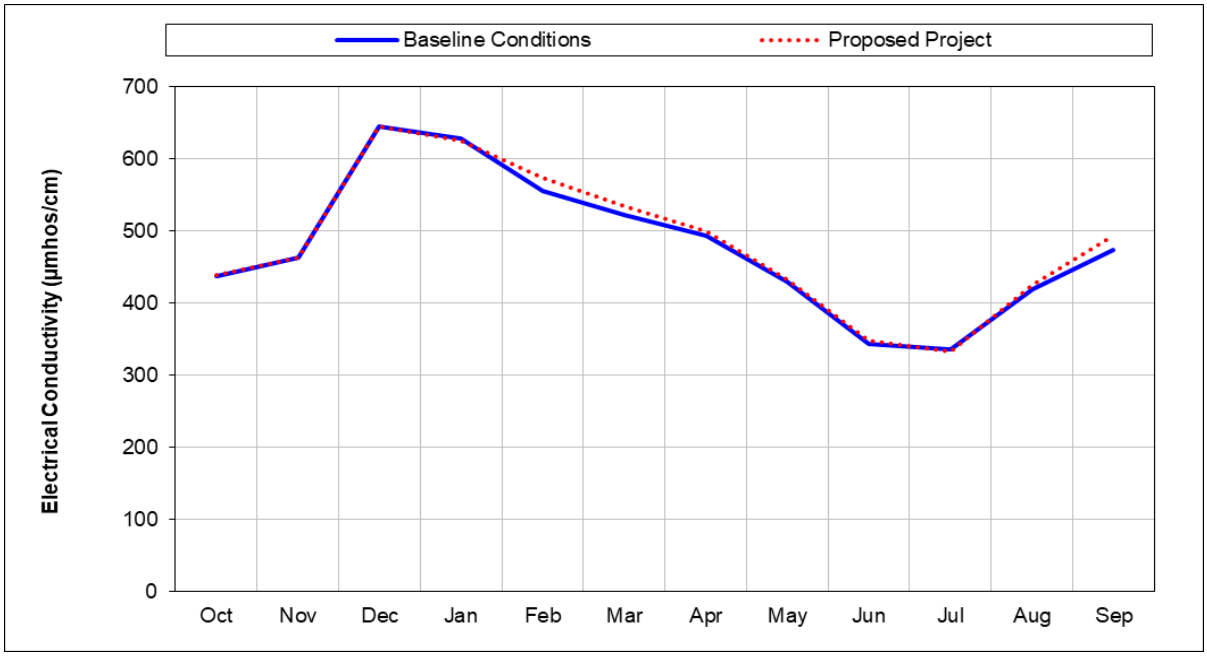


**Figure 5B-3e. Banks Pumping Plant, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

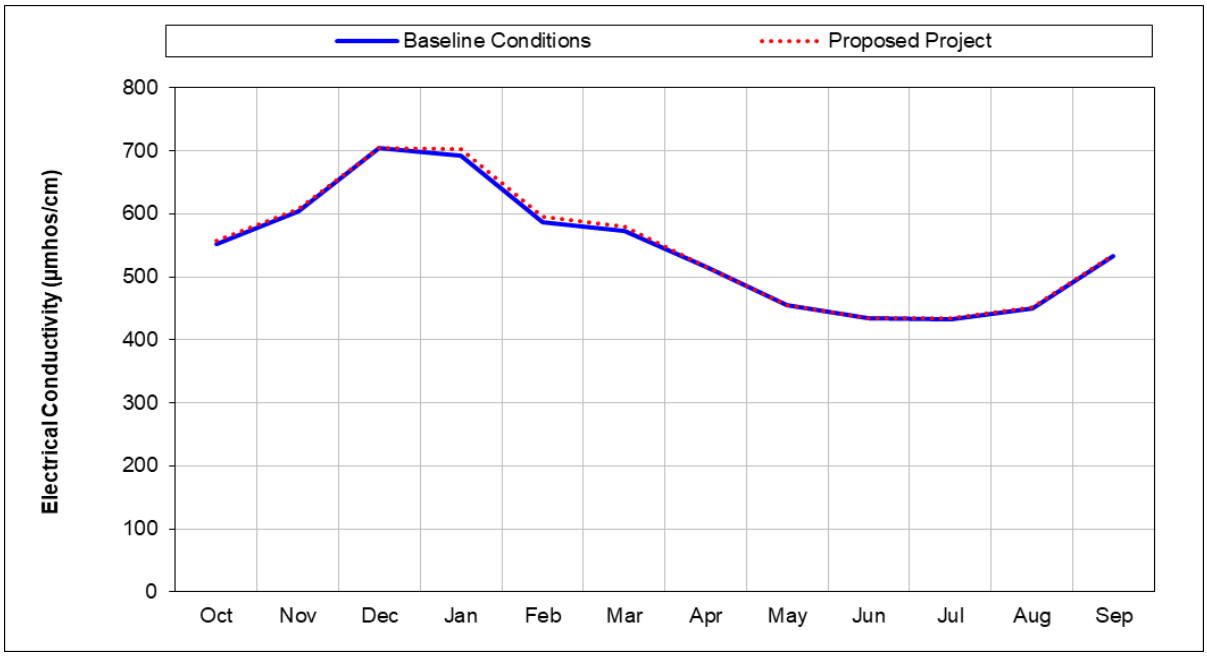


**Figure 5B-3f. Banks Pumping Plant, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

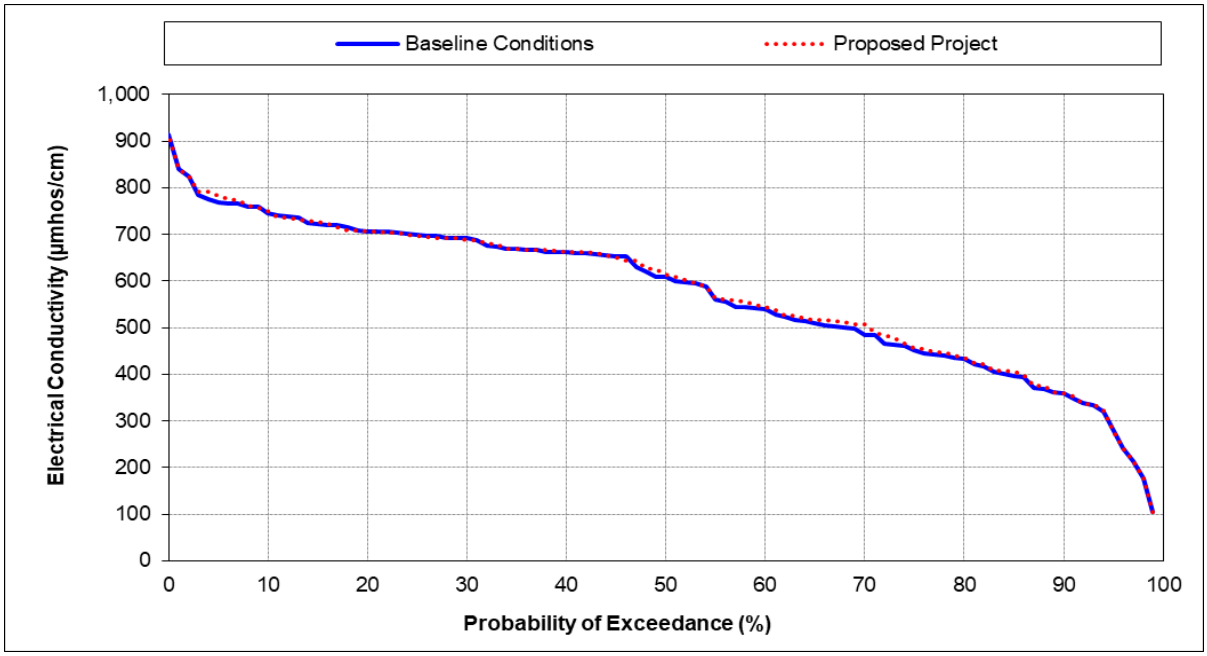


**Figure 5B-3g. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), January**

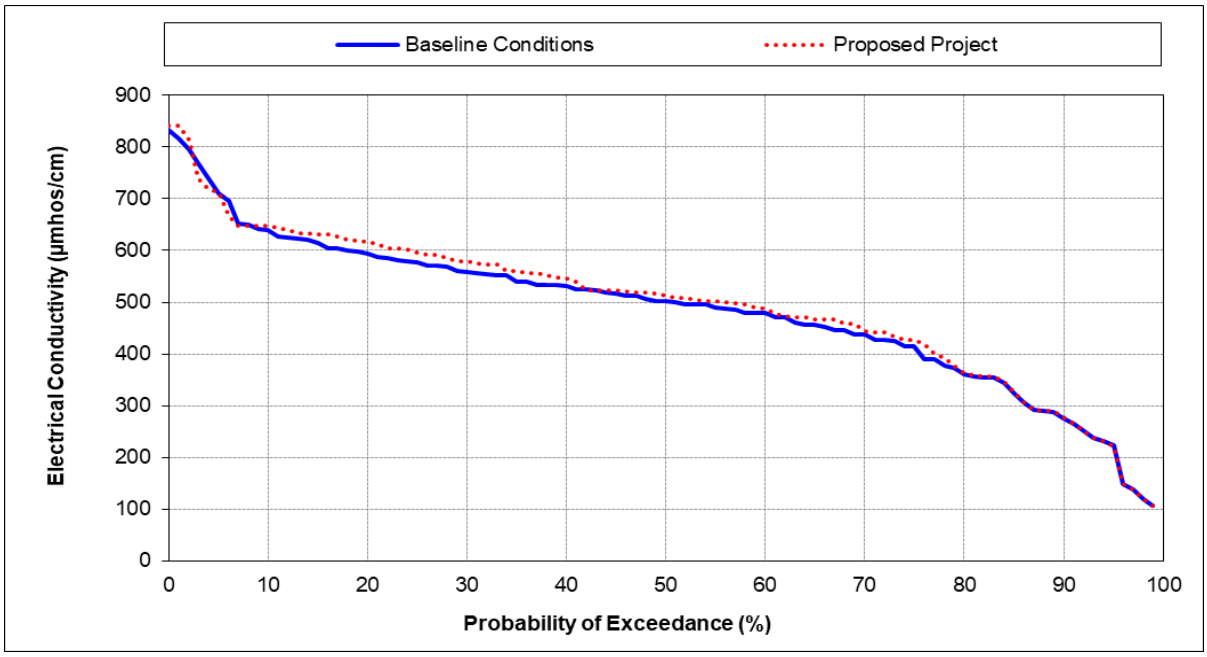


**Figure 5B-3h. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), February**

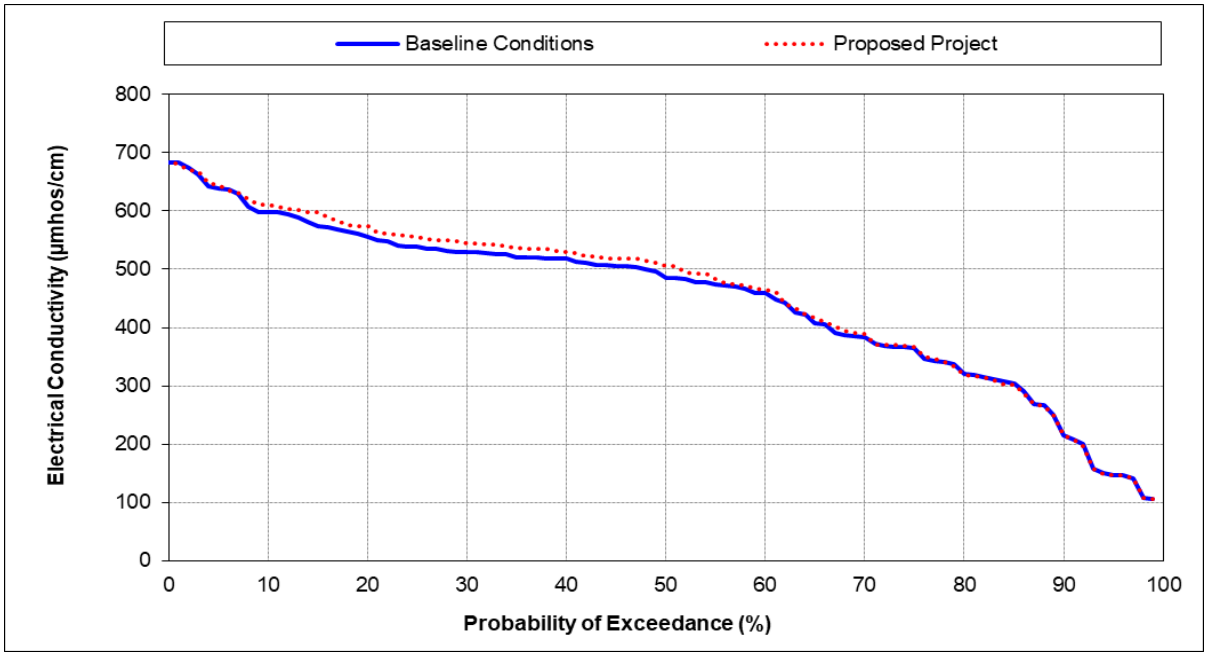


**Figure 5B-3i. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), March**

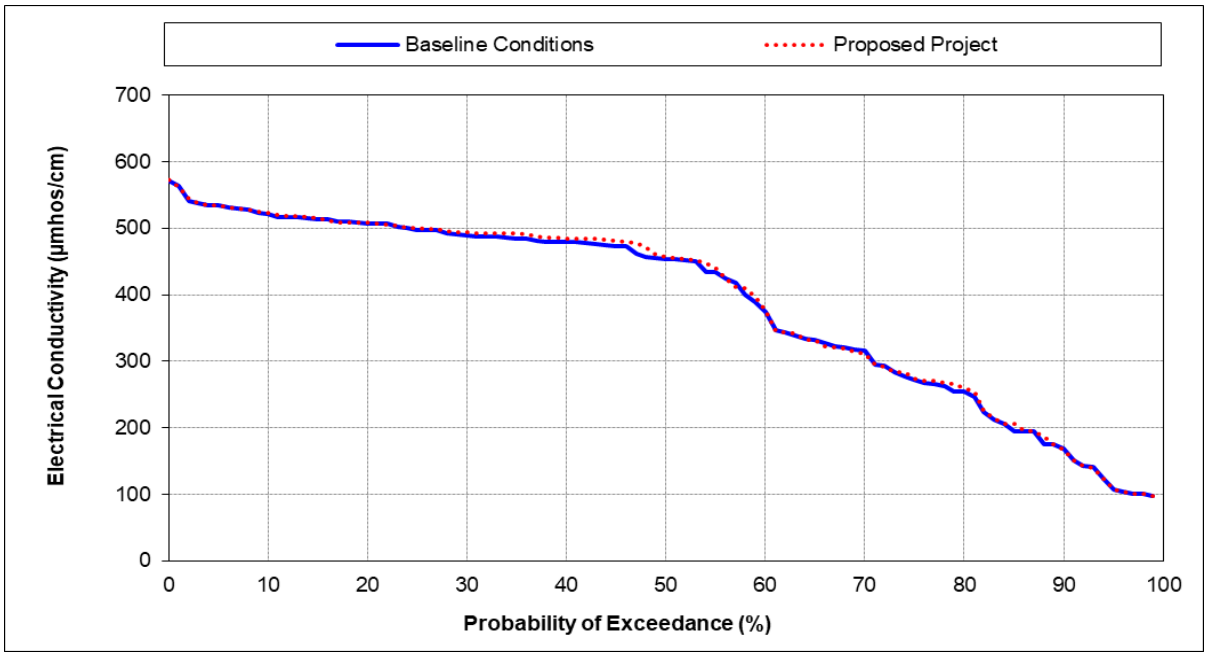


**Figure 5B-3j. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), April**

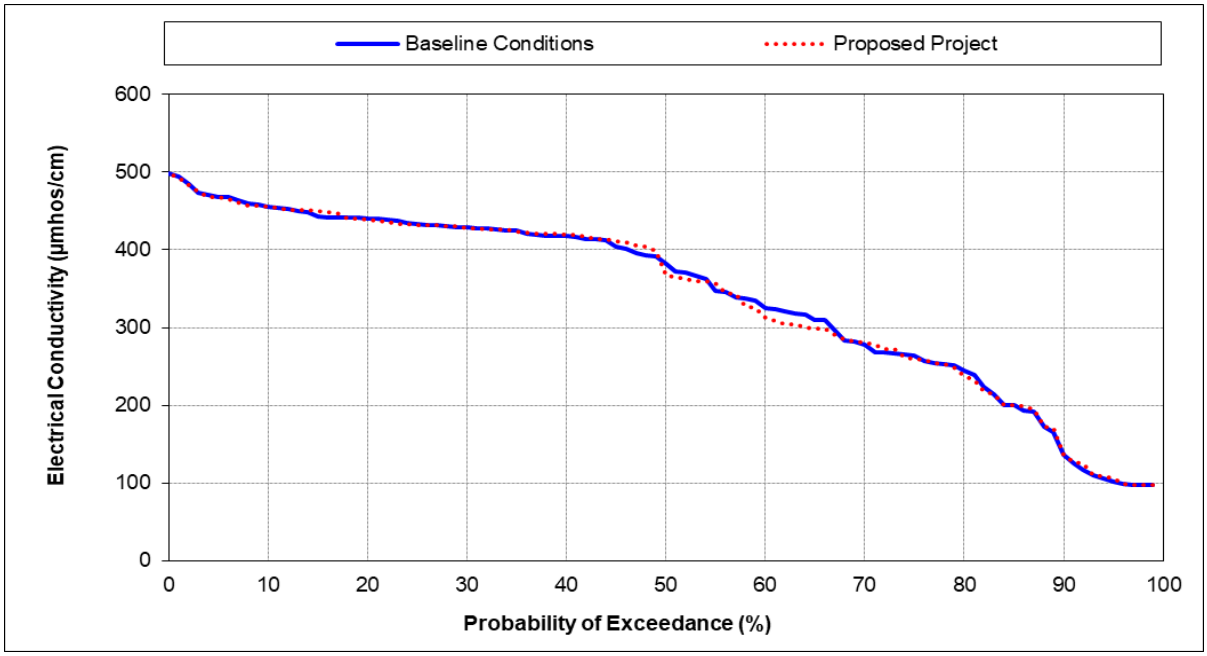


**Figure 5B-3k. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), May**

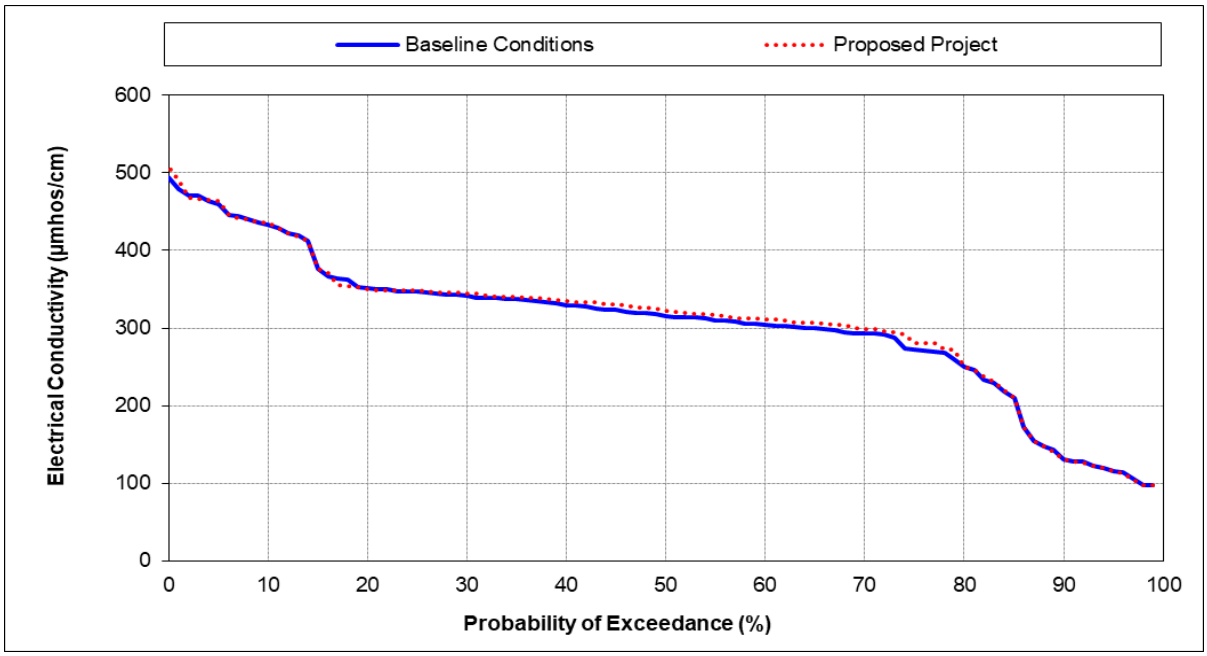


**Figure 5B-3l. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), June**

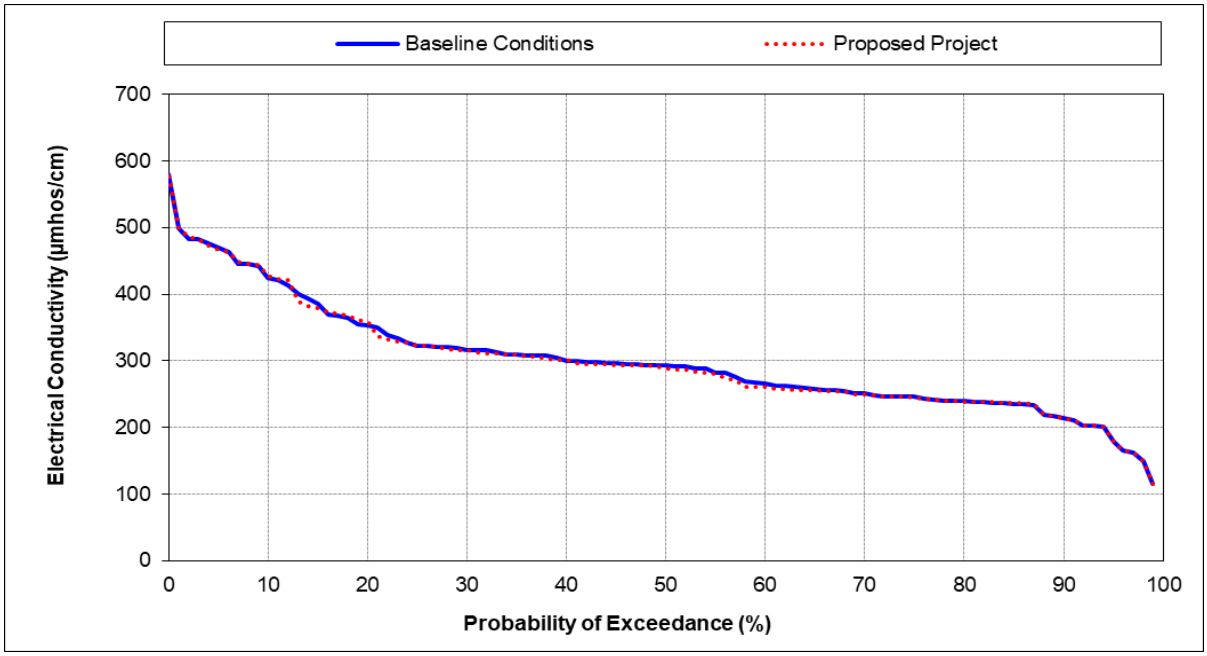


**Figure 5B-3m. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), July**

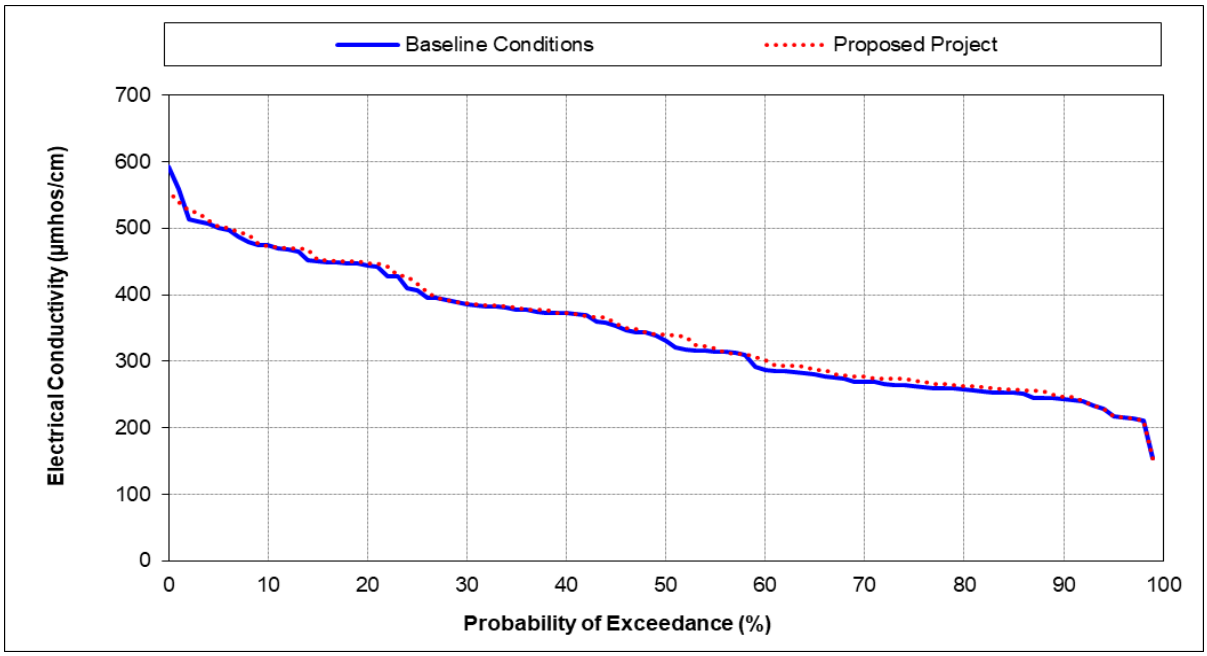


**Figure 5B-3n. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), August**

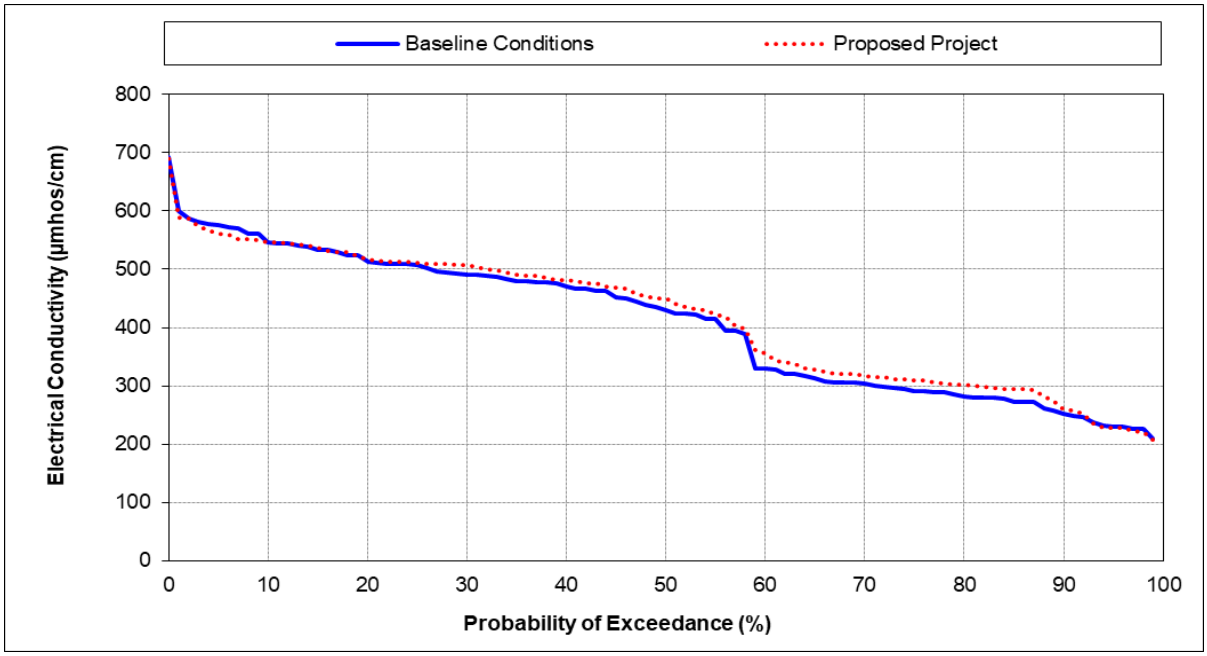


**Figure 5B-3o. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), September**

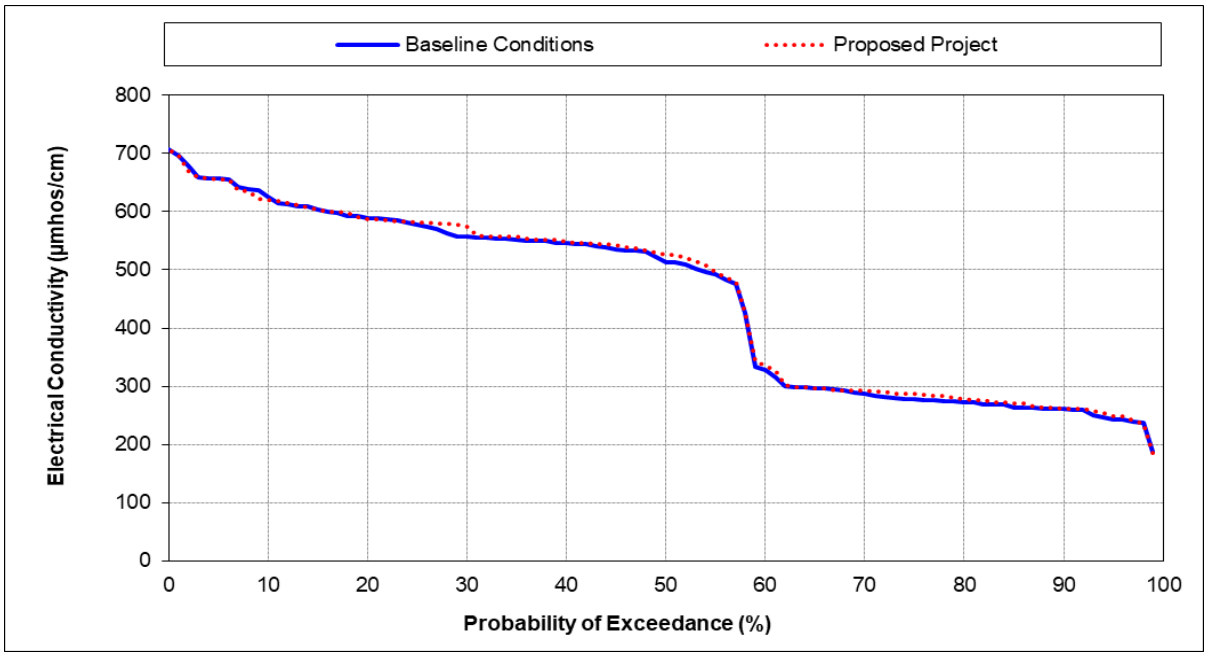


**Figure 5B-3p. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), October**

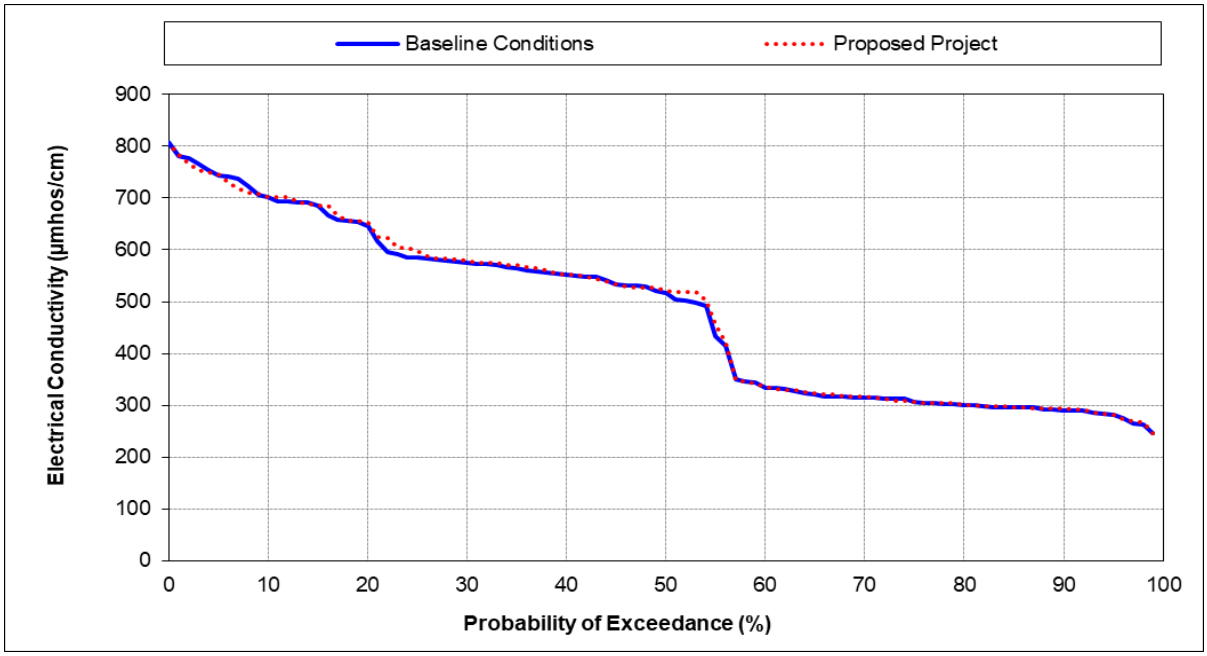


**Figure 5B-3q. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), November**

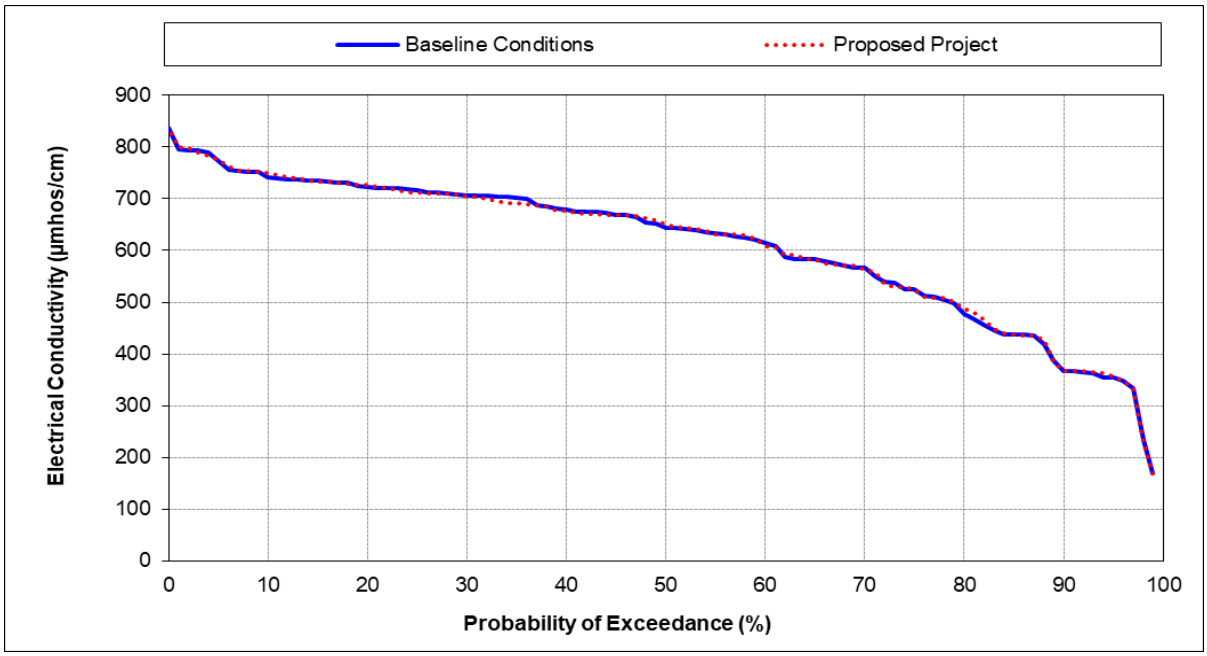


**Figure 5B-3r. Banks Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), December**

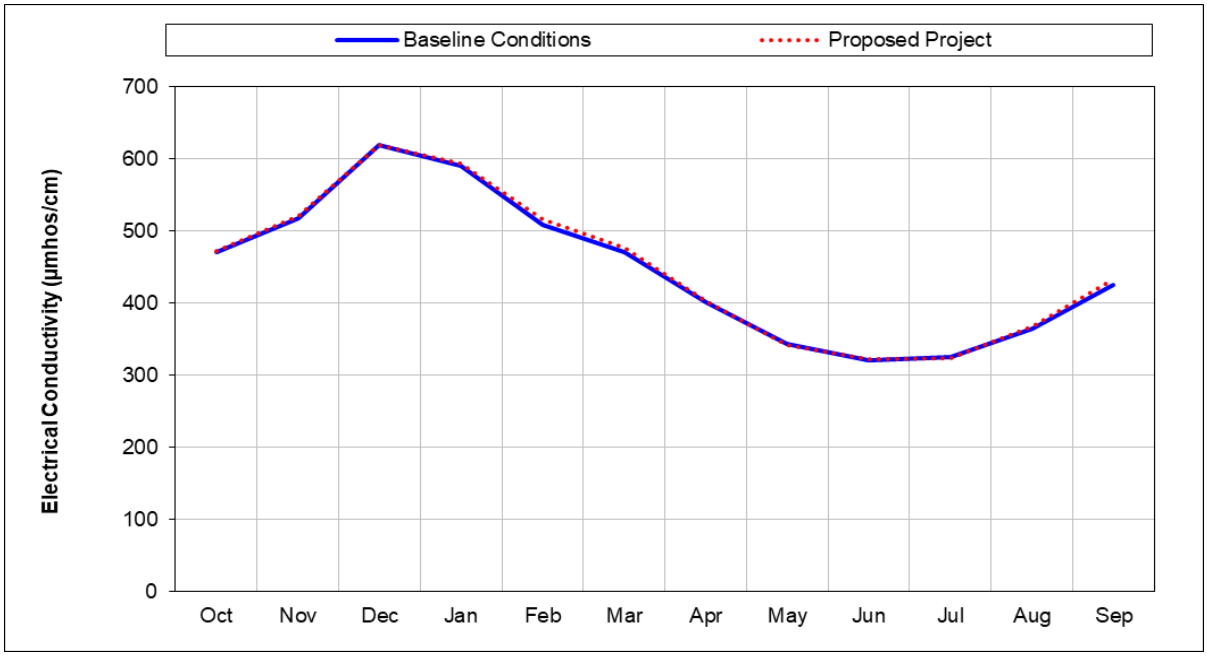


**Figure 5B-4a. Jones Pumping Plant, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)**

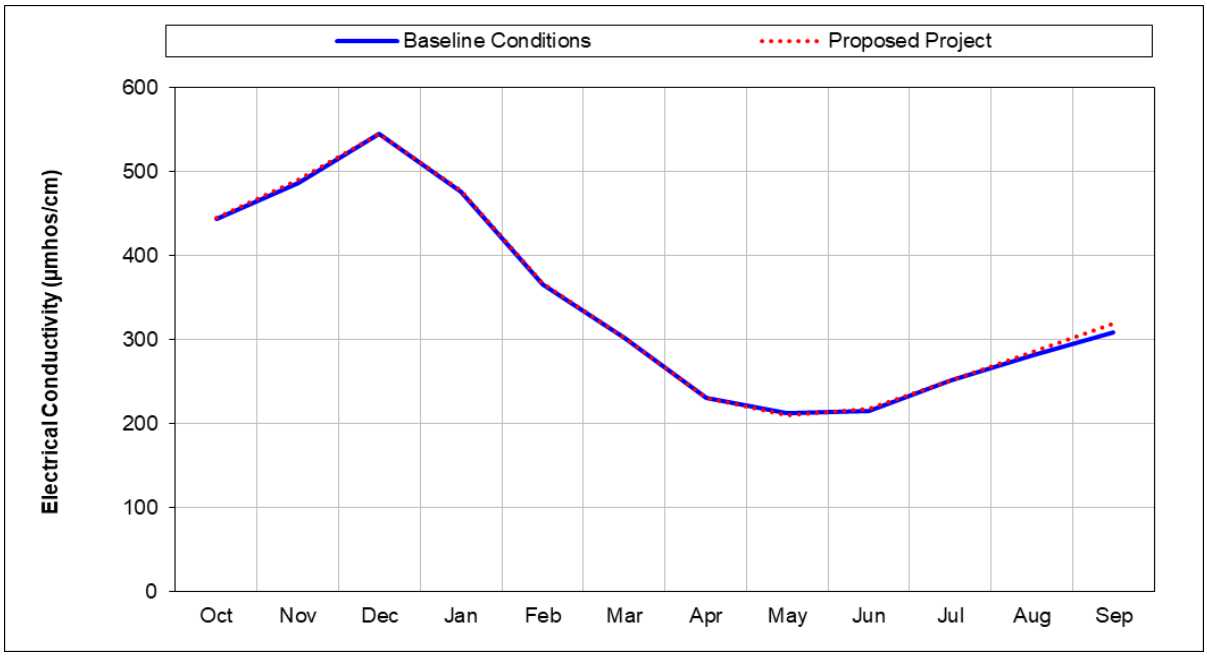


**Figure 5B-4b. Jones Pumping Plant, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

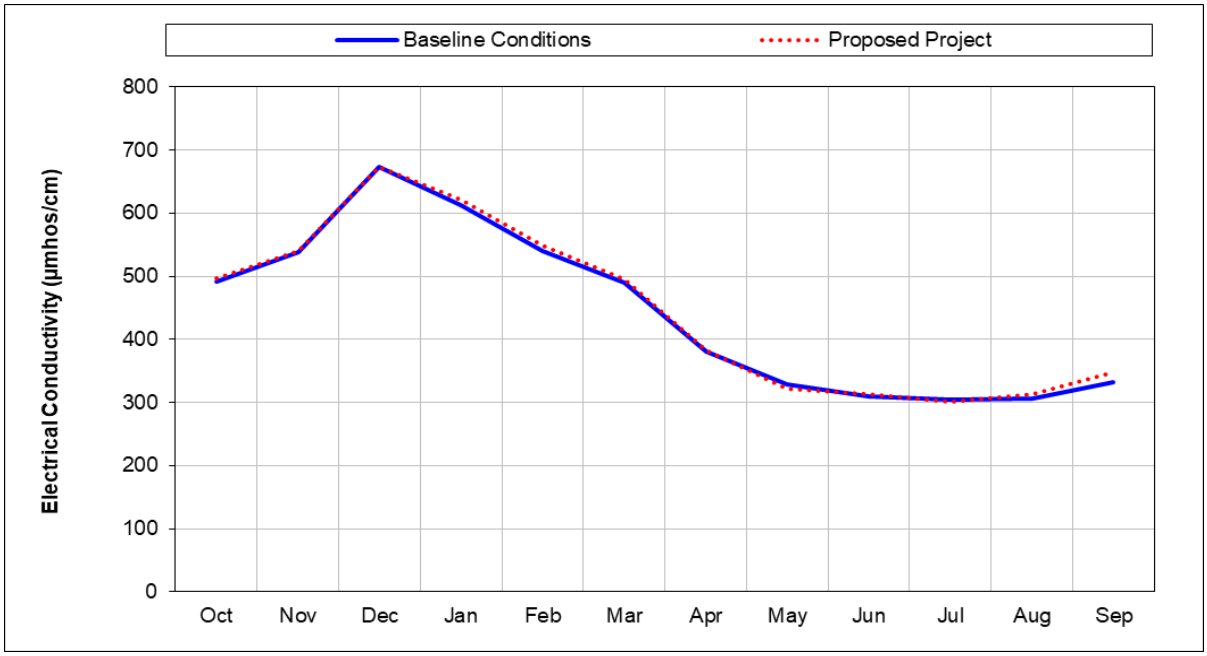


**Figure 5B-4c. Jones Pumping Plant, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

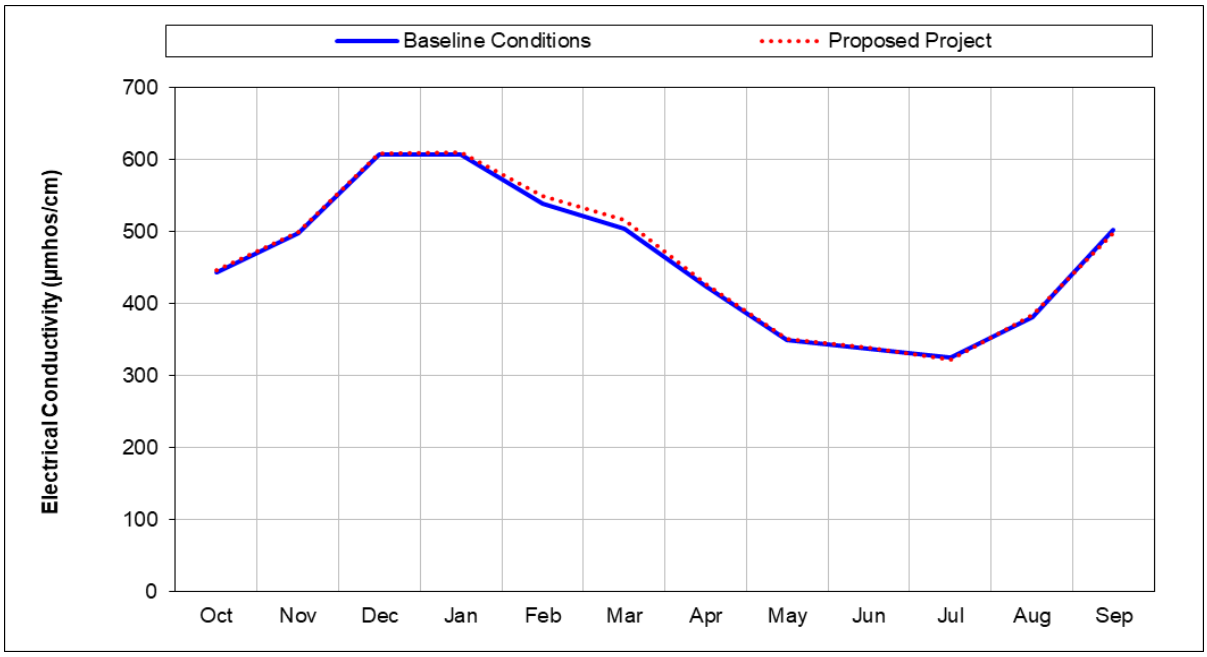


**Figure 5B-4d. Jones Pumping Plant, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

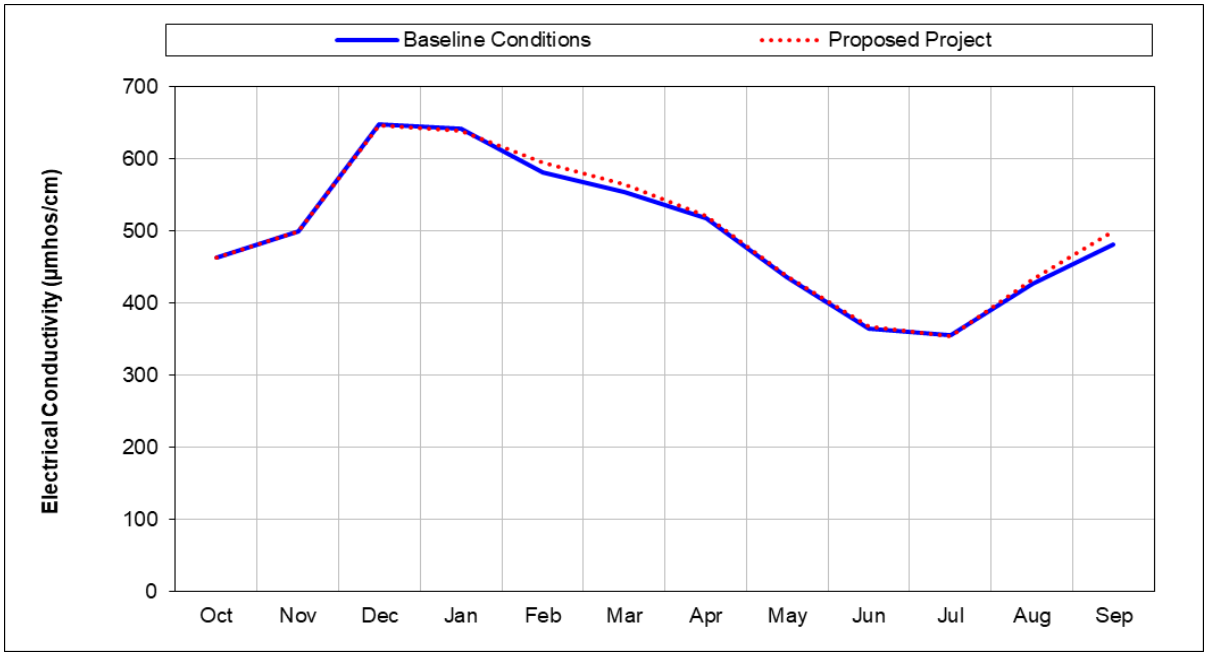


**Figure 5B-4e. Jones Pumping Plant, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

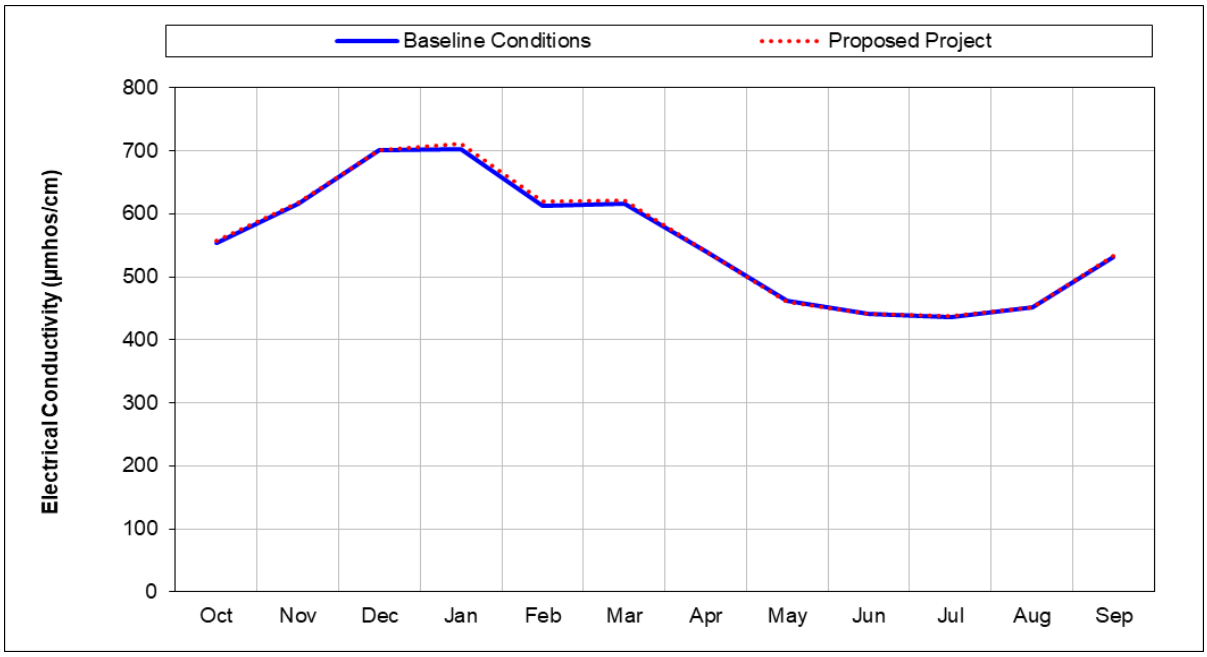


**Figure 5B-4f. Jones Pumping Plant, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

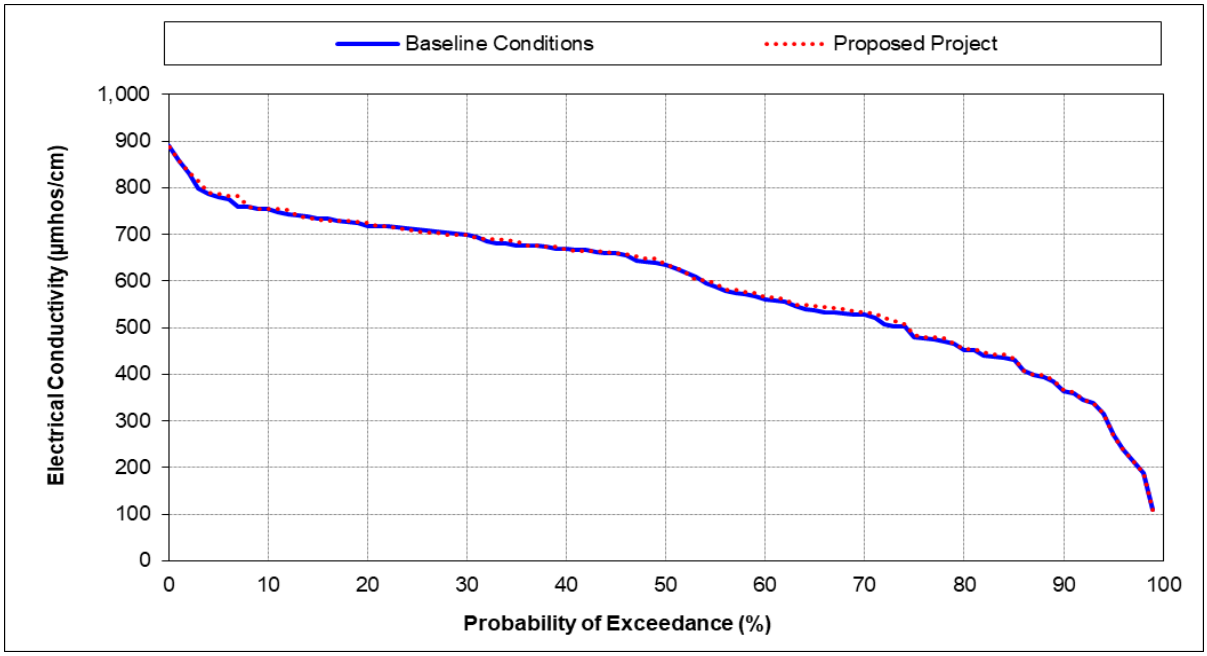


**Figure 5B-4g. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), January**

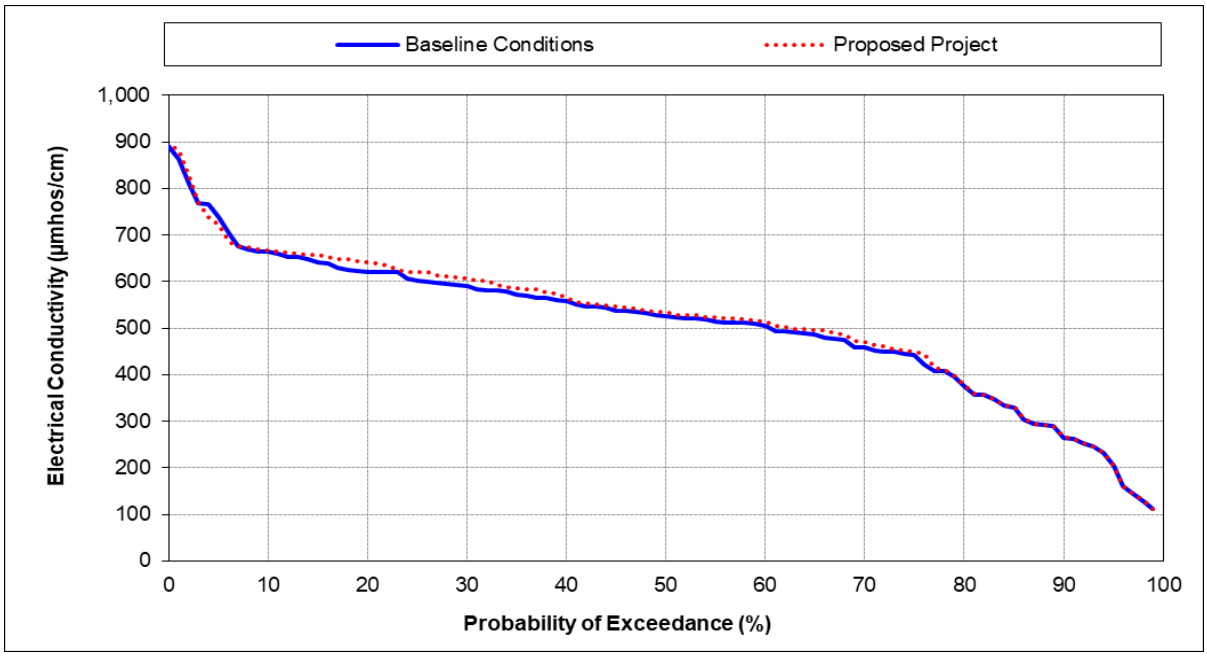


**Figure 5B-4h. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), February**

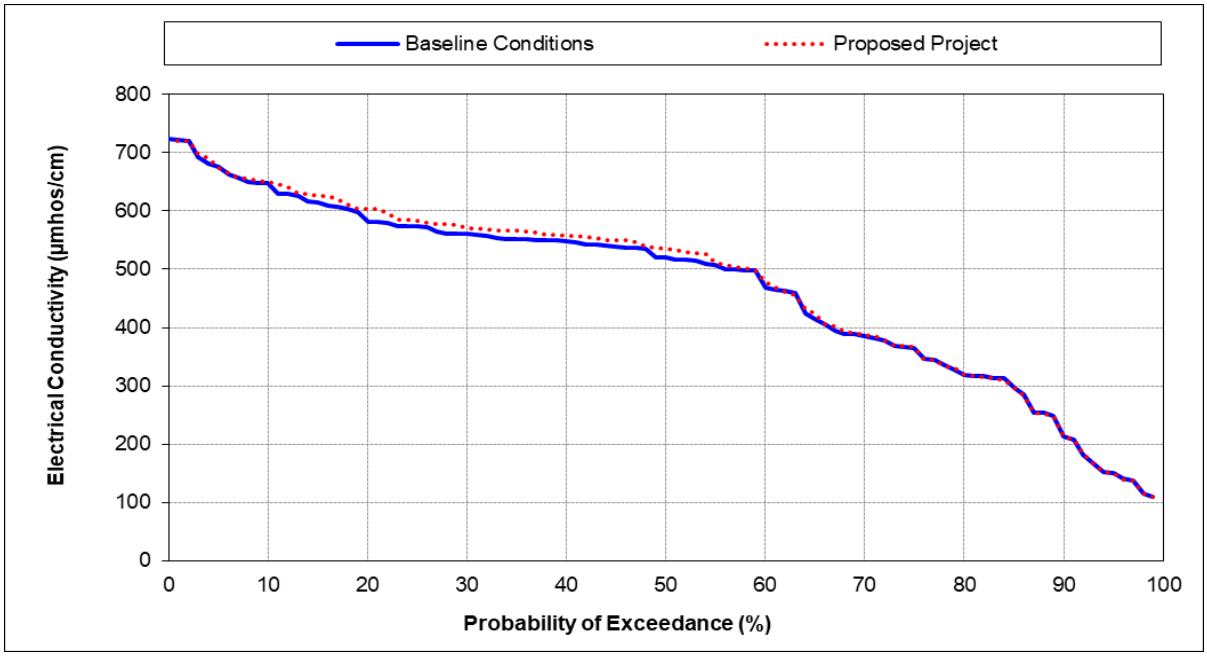


**Figure 5B-4i. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), March**

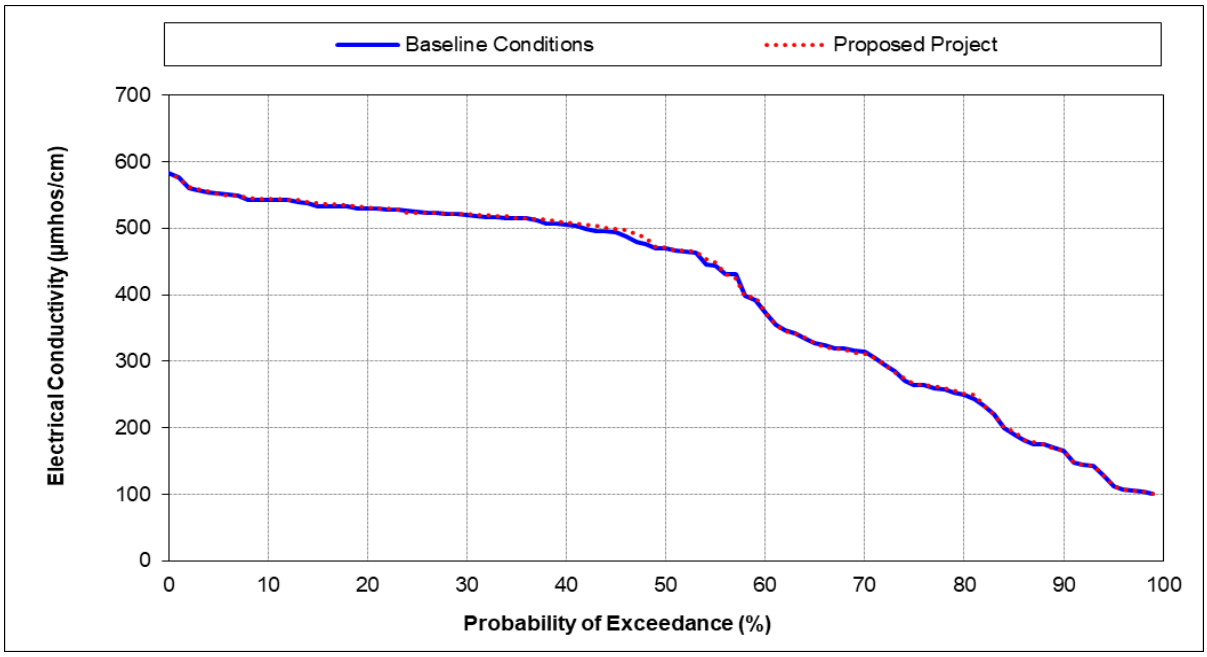


**Figure 5B-4j. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), April**

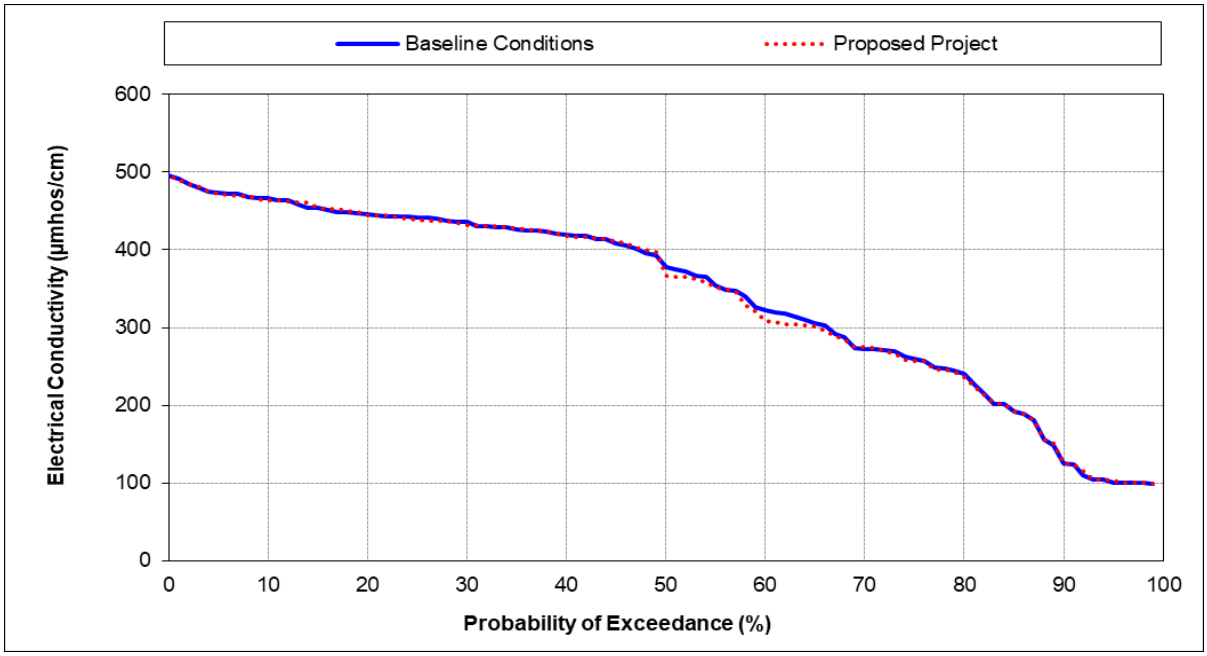


**Figure 5B-4k. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), May**

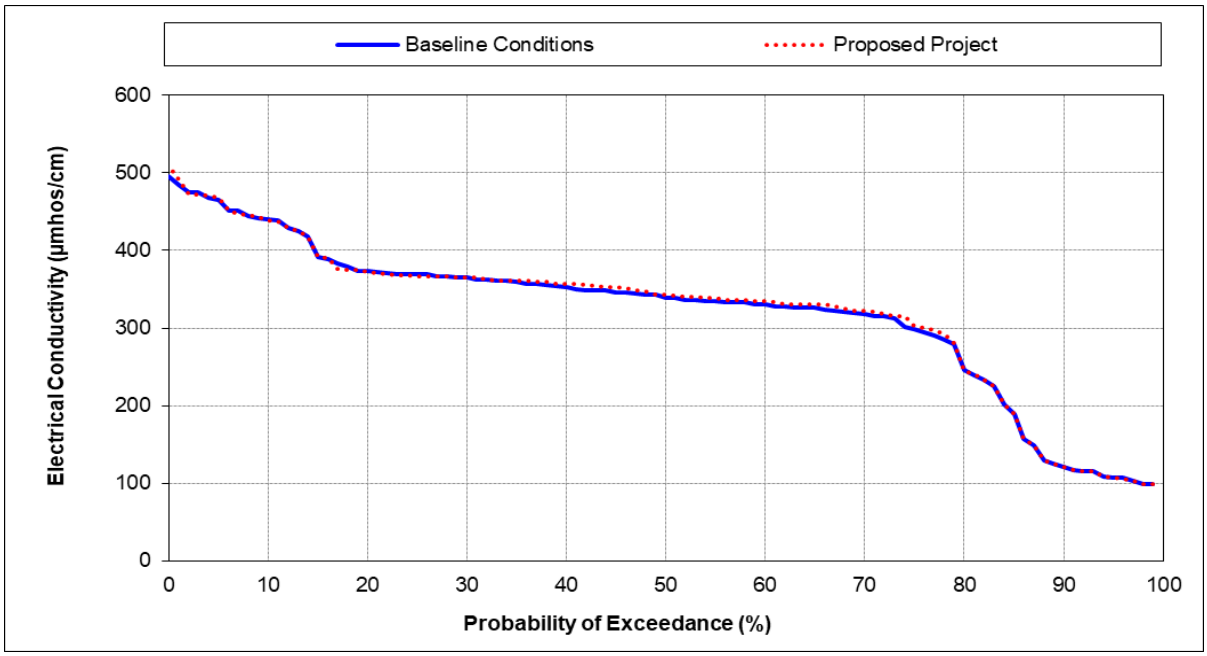


**Figure 5B-4l. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), June**

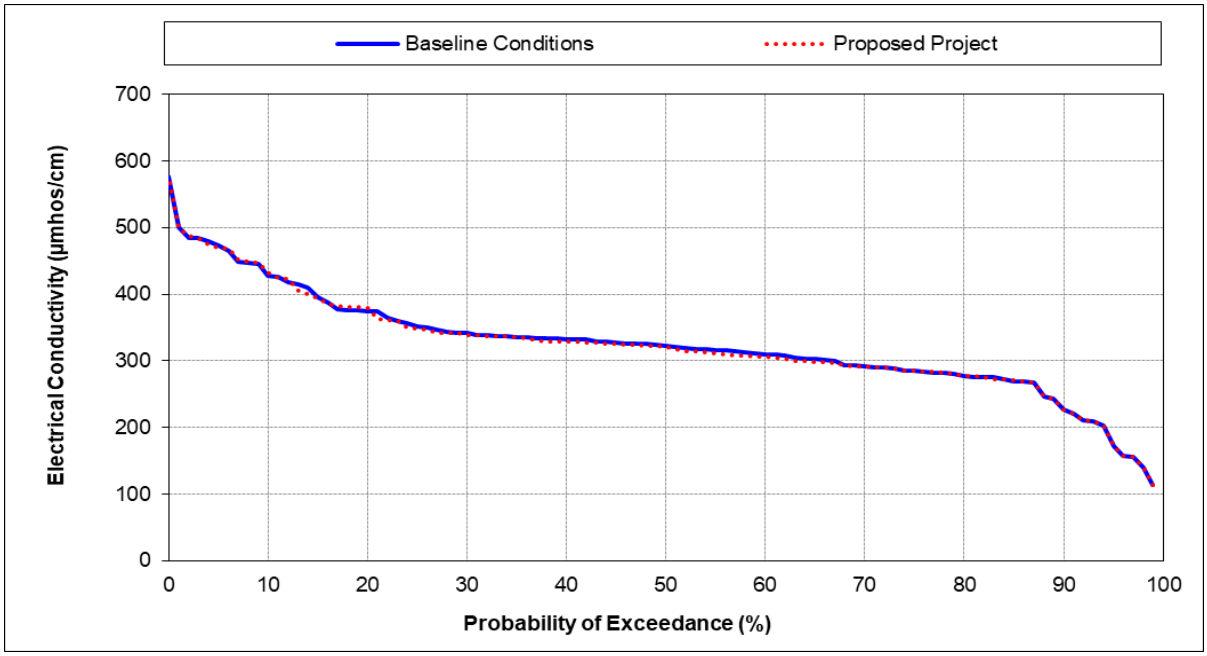


**Figure 5B-4m. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), July**

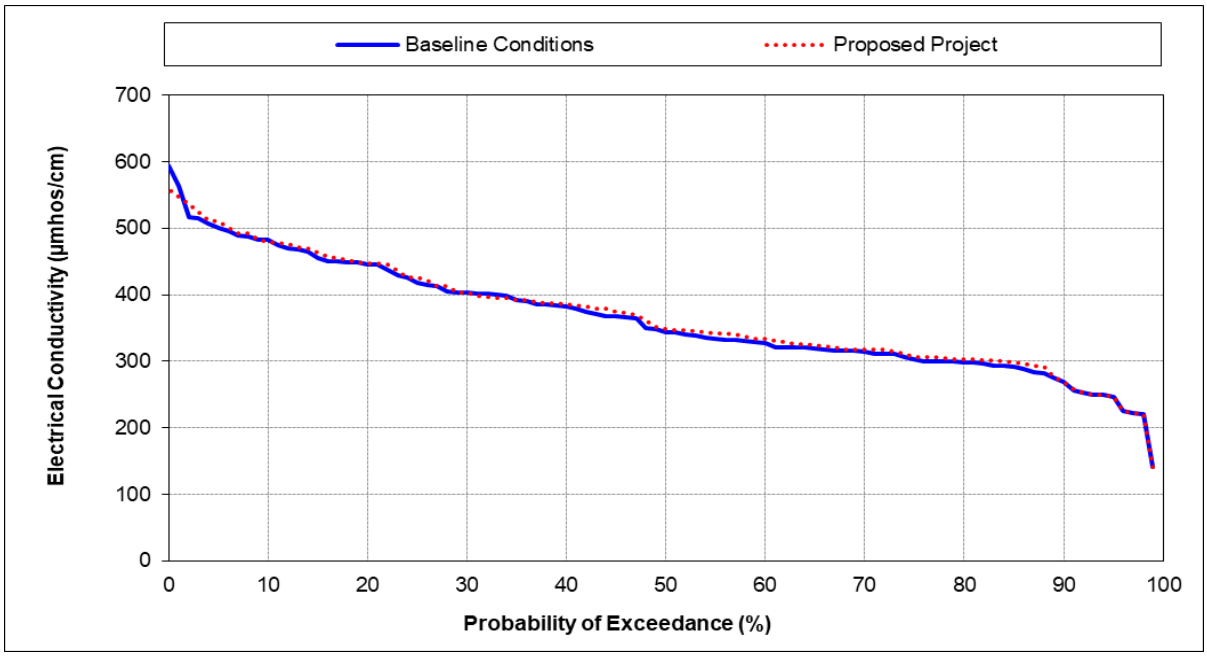


**Figure 5B-4n. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), August**

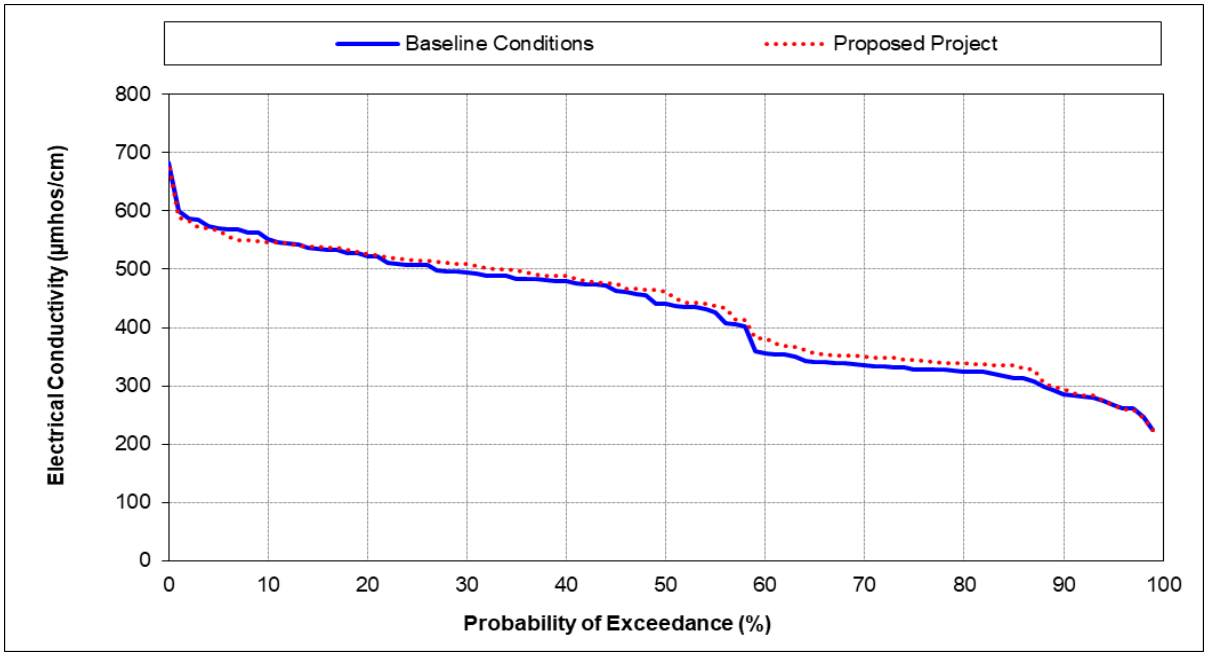


**Figure 5B-4o. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), September**

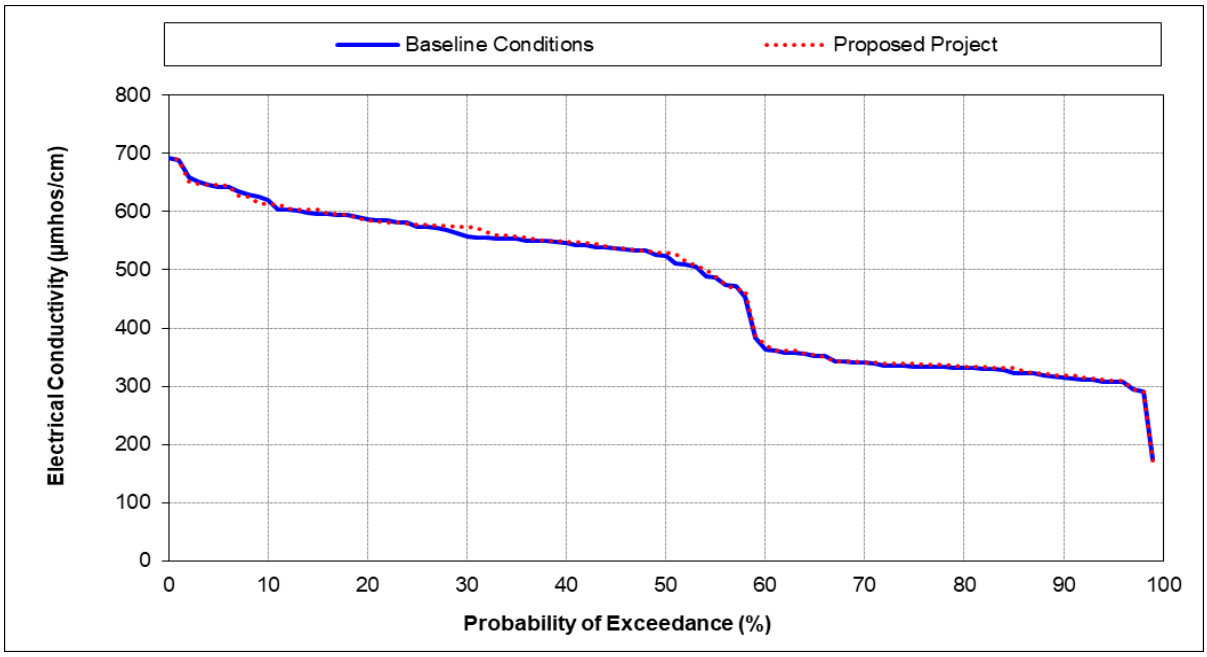


**Figure 5B-4p. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), October**

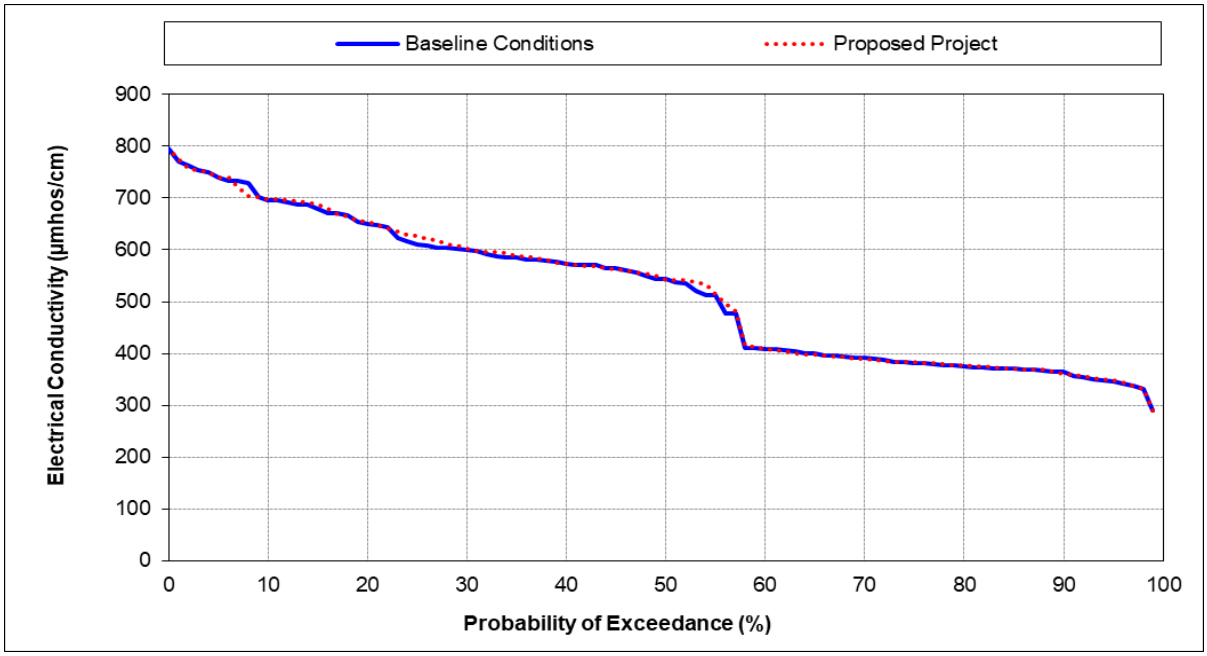


**Figure 5B-4q. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), November**

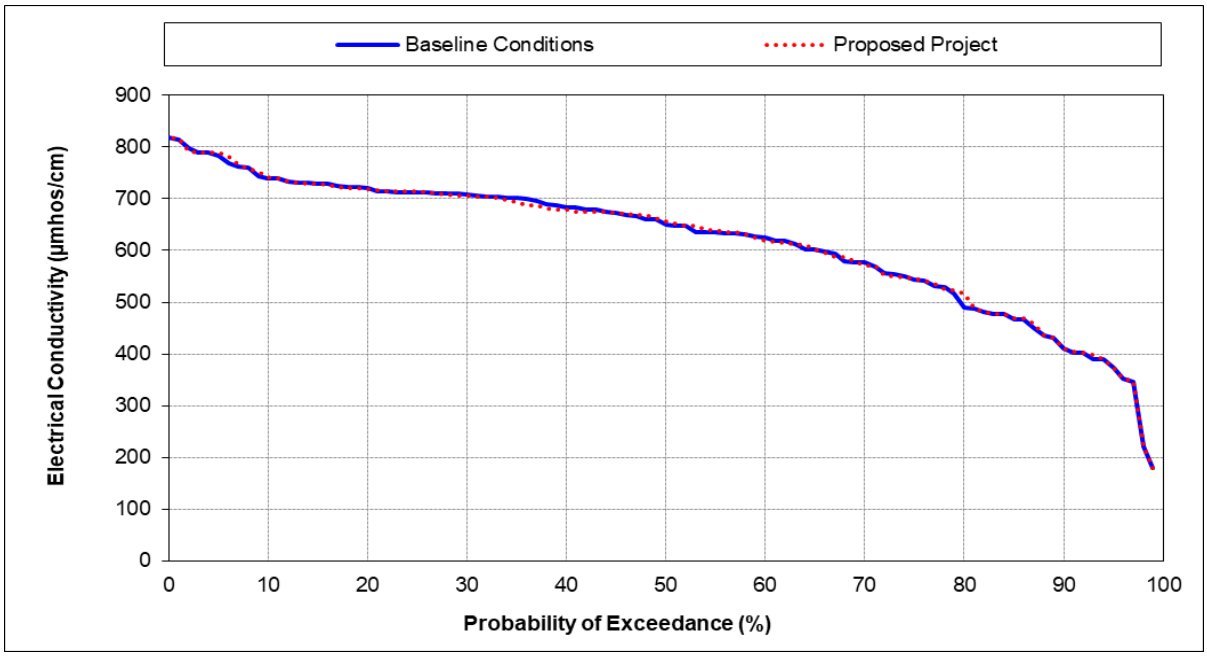


**Figure 5B-4r. Jones Pumping Plant, Monthly Average Electrical Conductivity (in micromhos per centimeter), December**

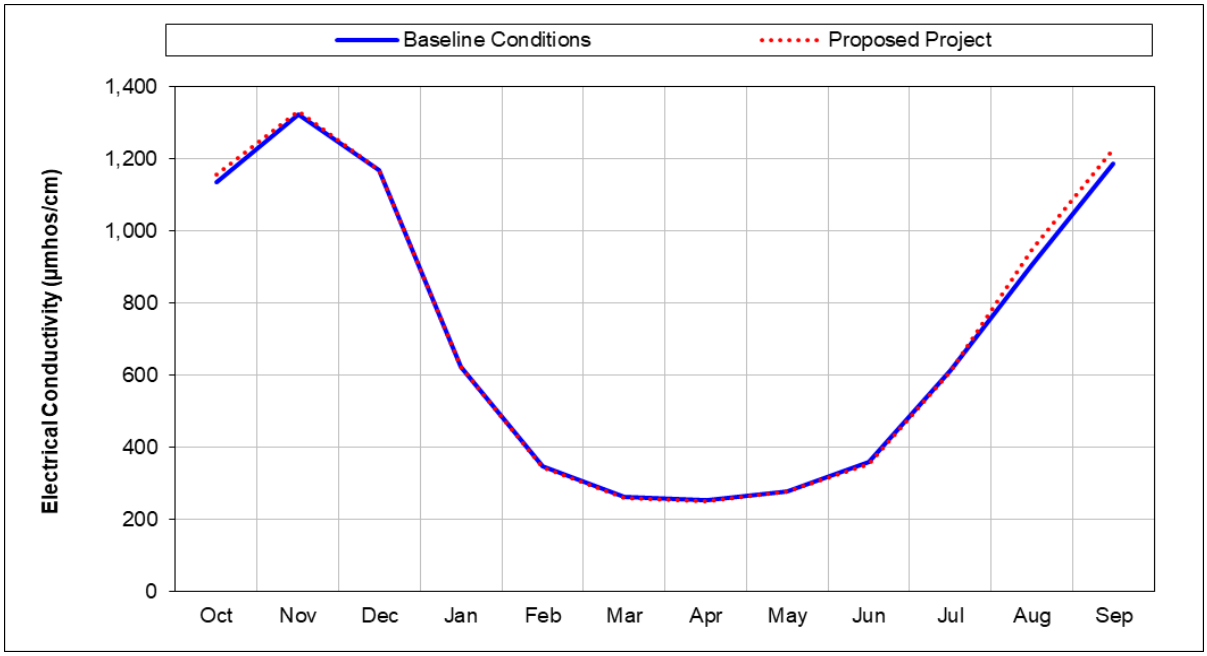


**Figure 5B-5a. San Joaquin River at Jersey Point, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)**

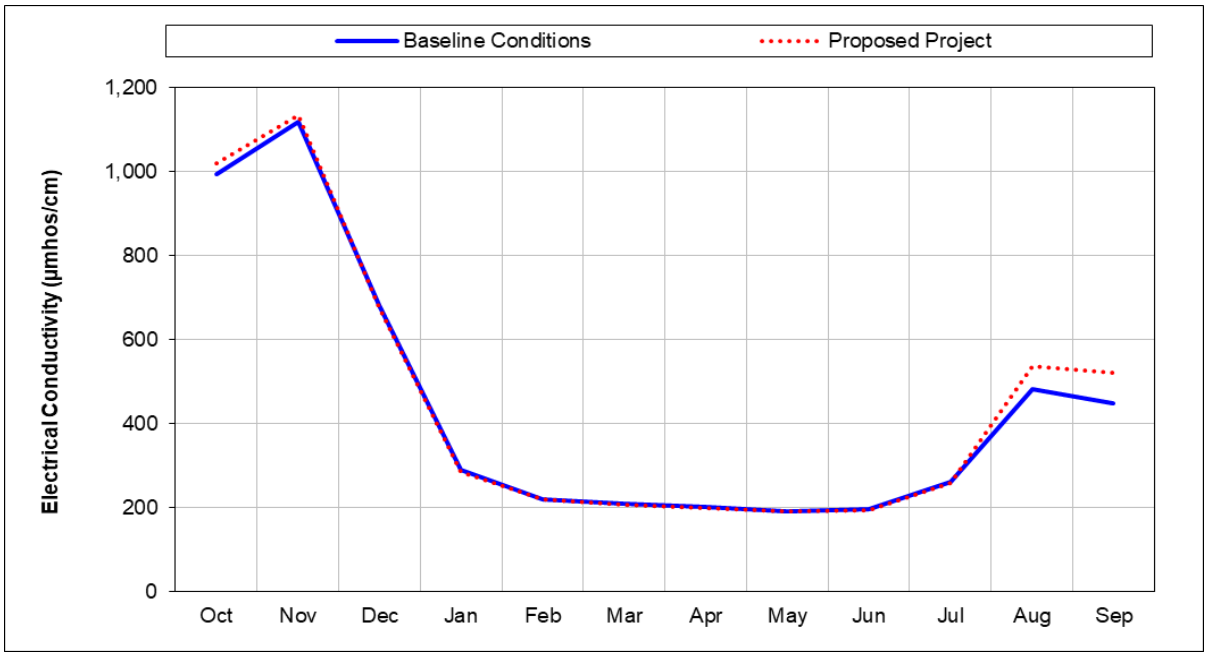


**Figure 5B-5b. San Joaquin River at Jersey Point, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

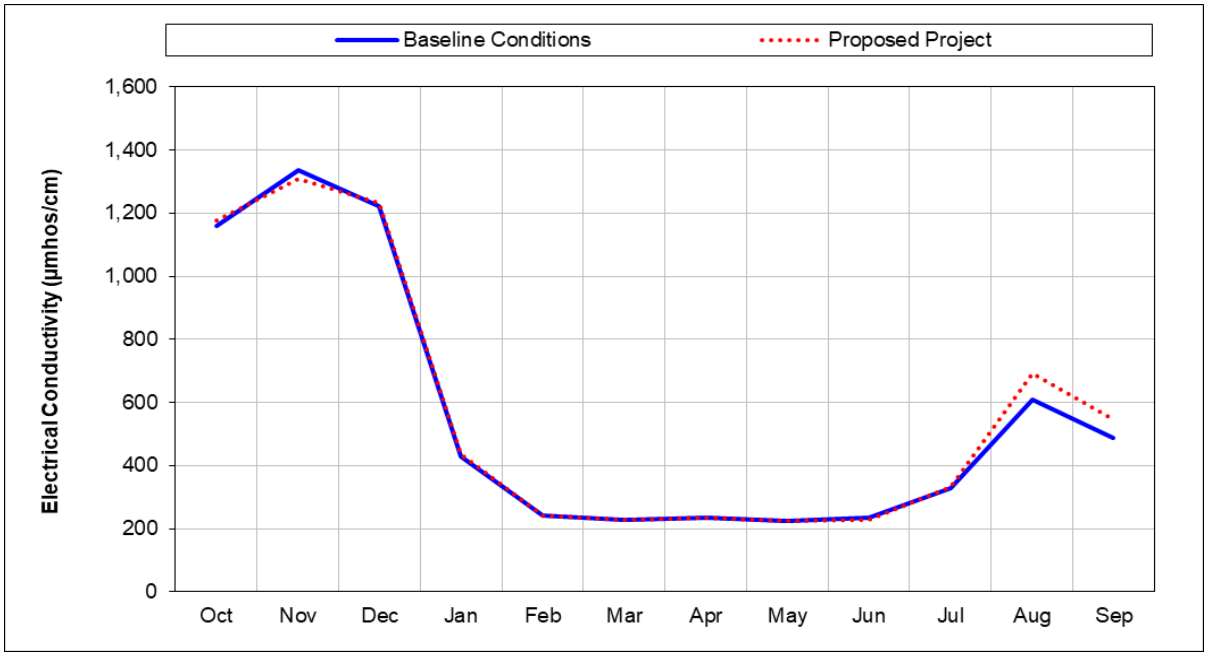


**Figure 5B-5c. San Joaquin River at Jersey Point, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

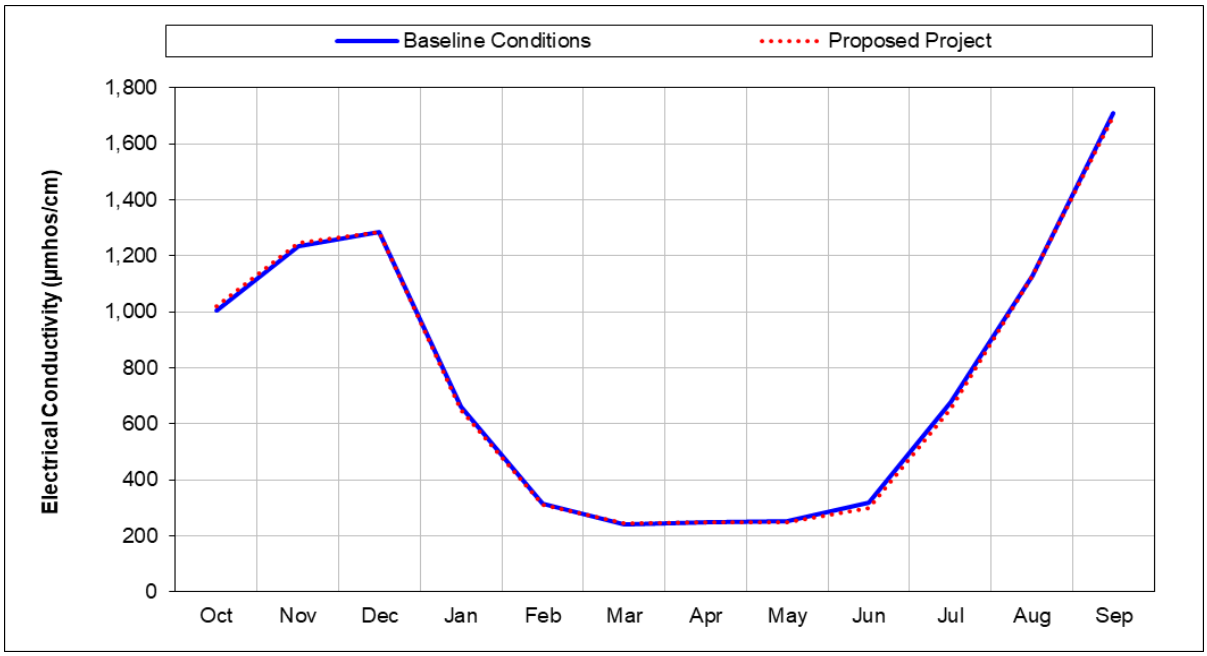


**Figure 5B-5d. San Joaquin River at Jersey Point, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

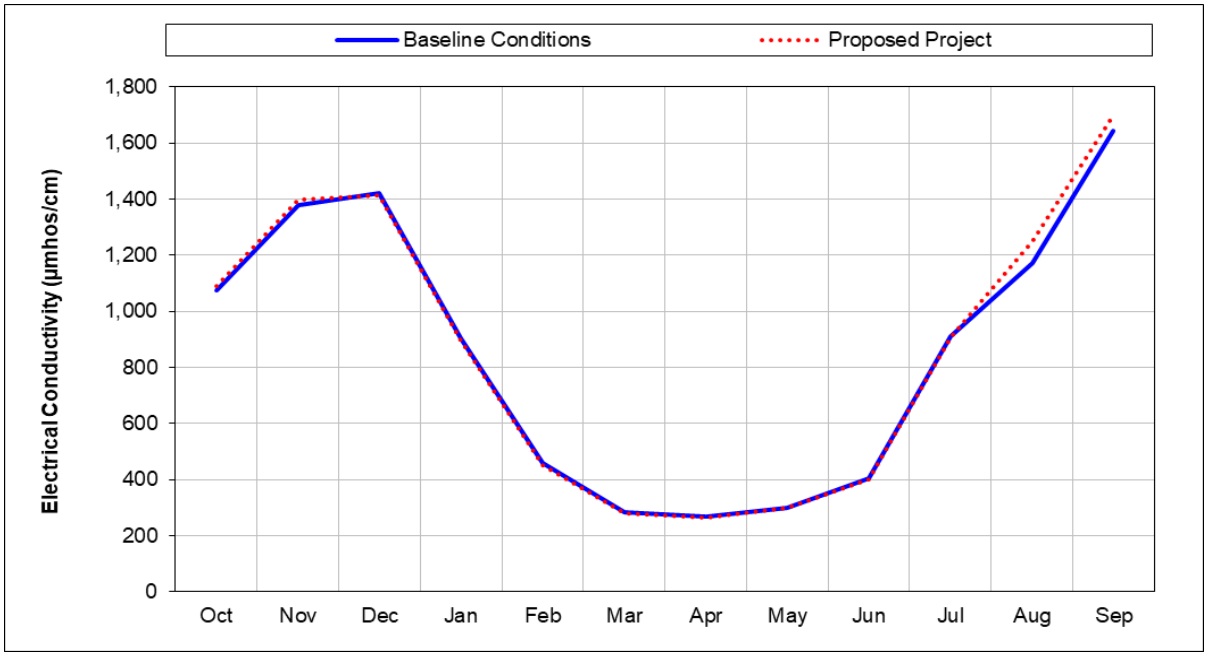


**Figure 5B-5e. San Joaquin River at Jersey Point, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

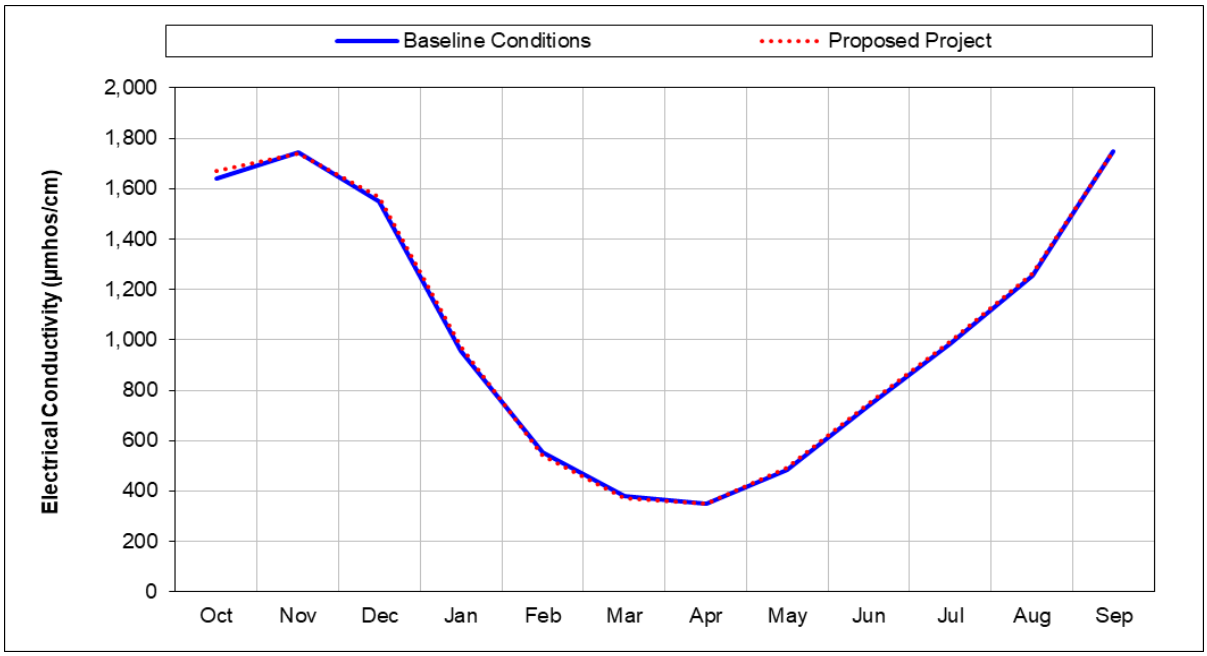


**Figure 5B-5f. San Joaquin River at Jersey Point, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

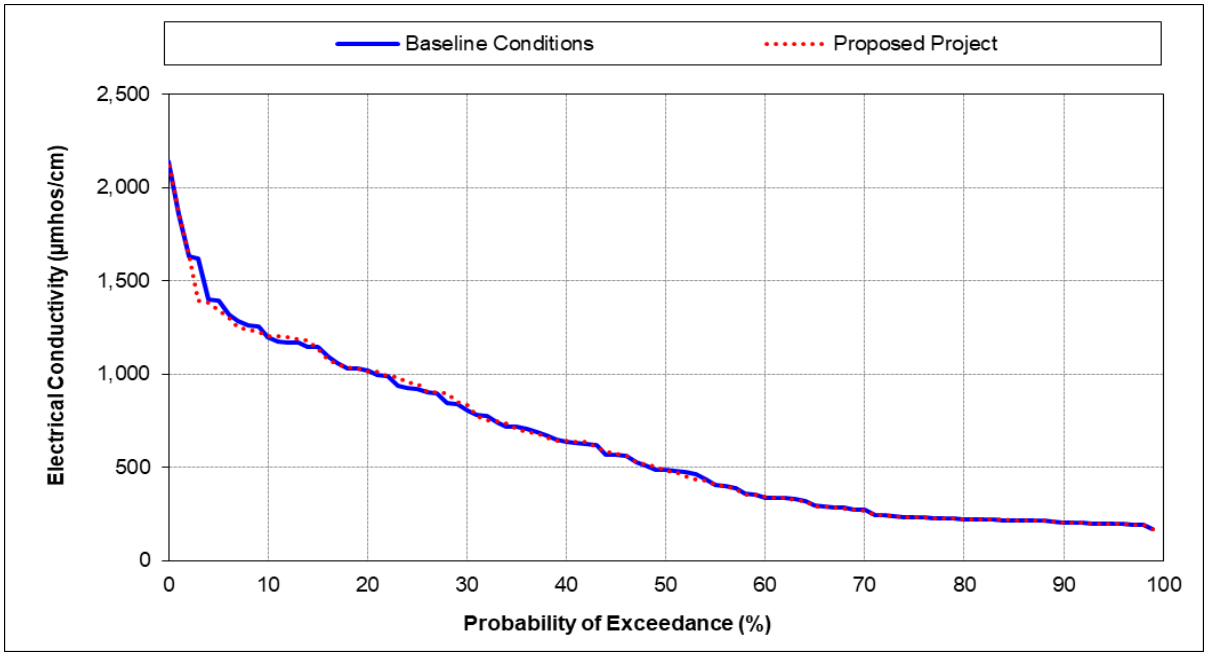


**Figure 5B-5g. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), January**

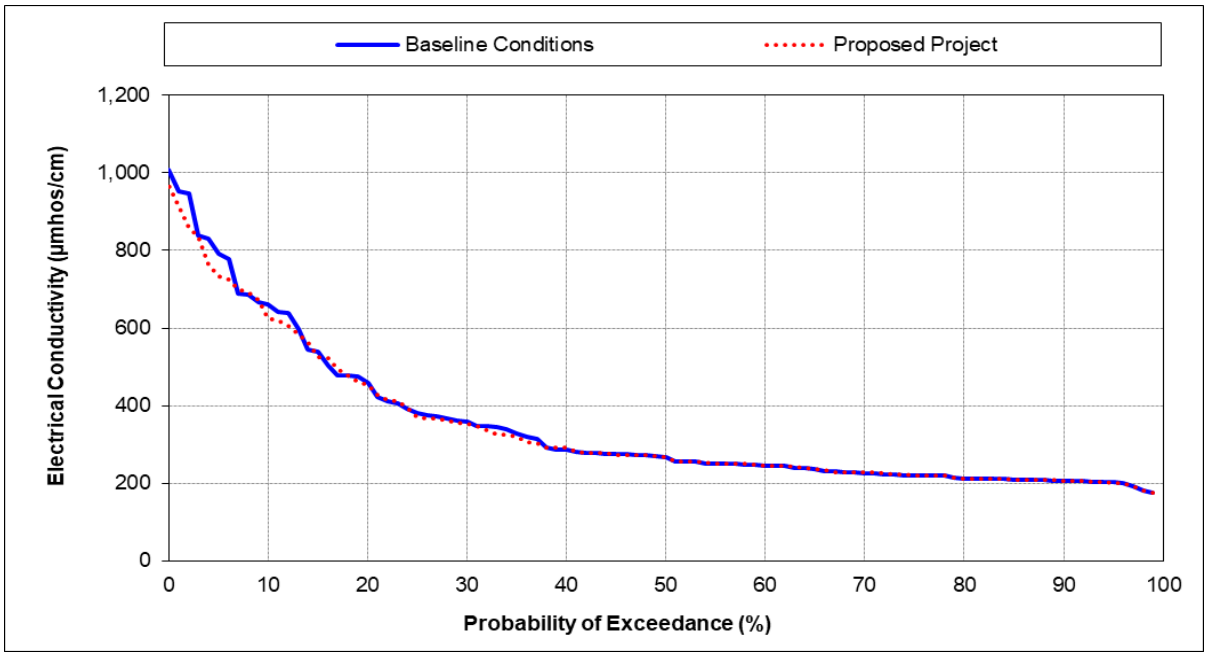


**Figure 5B-5h. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), February**

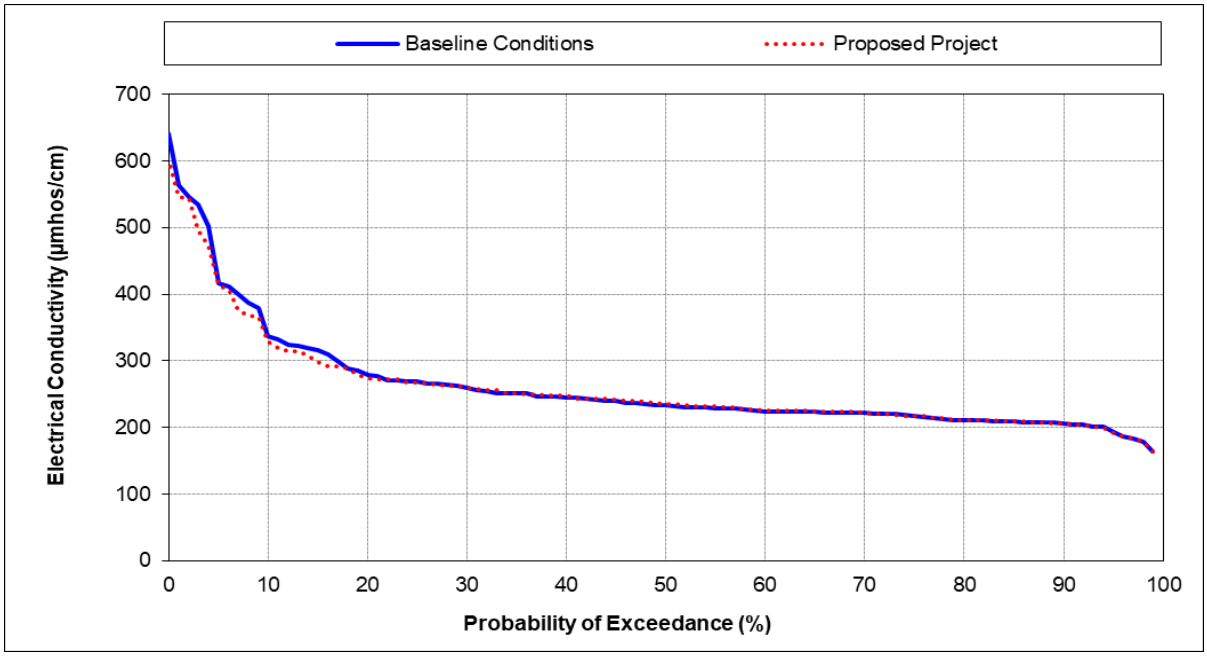


**Figure 5B-5i. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), March**

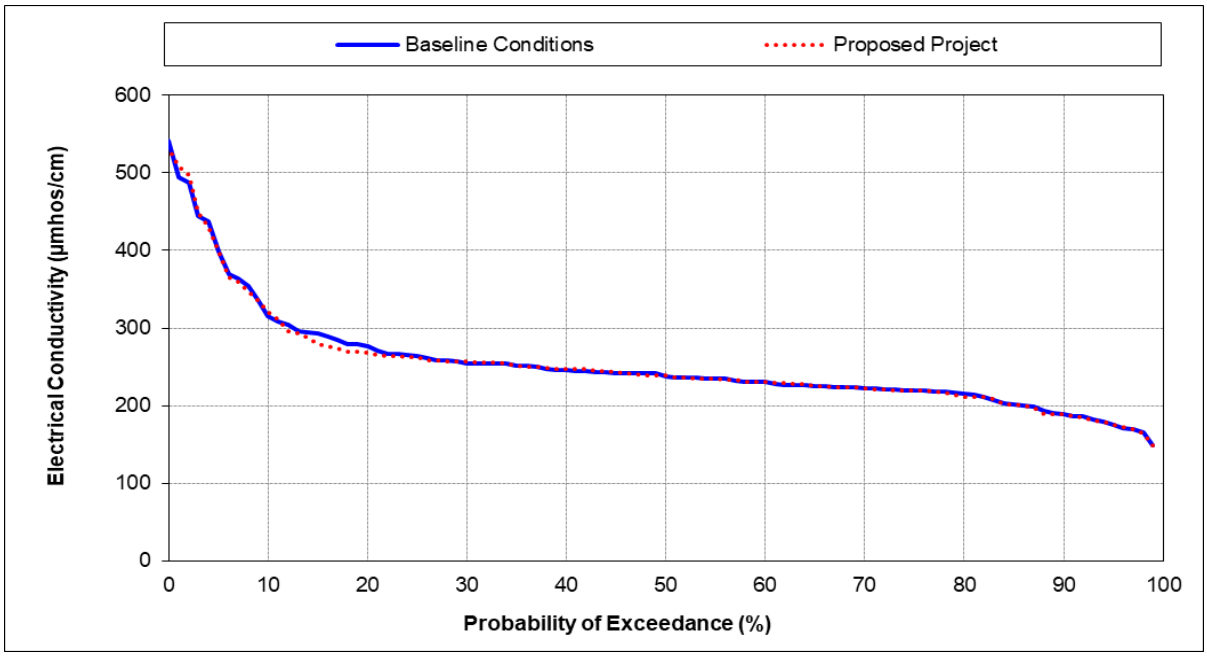


**Figure 5B-5j. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), April**

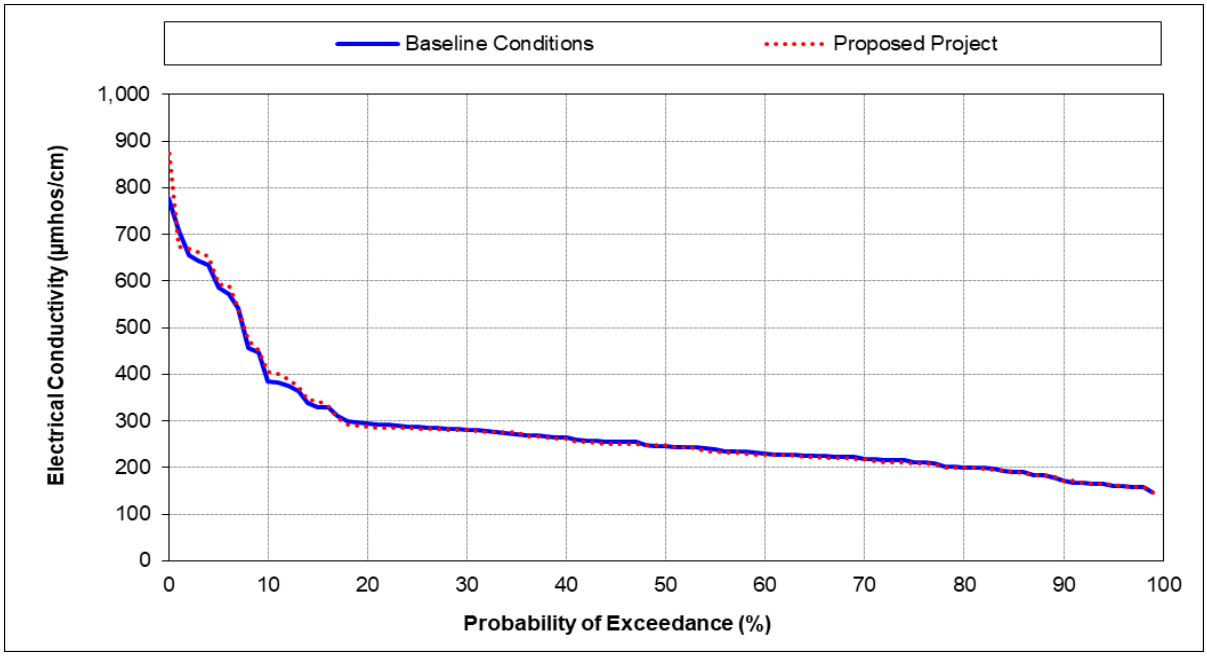


**Figure 5B-5k. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), May**

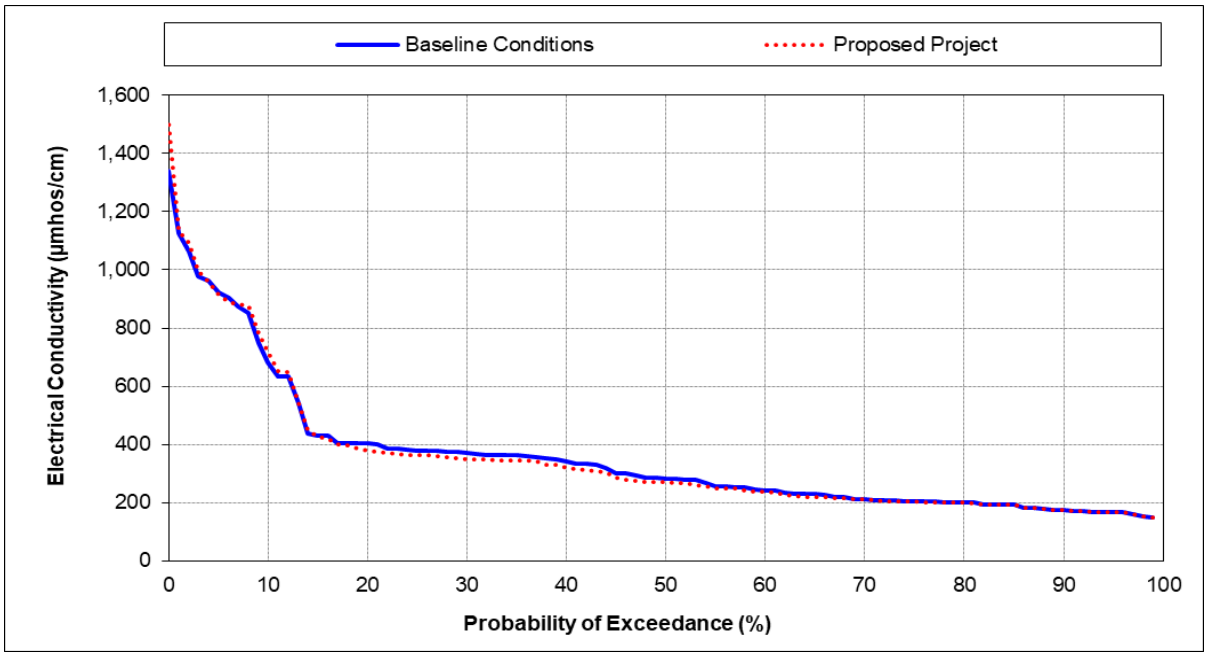


**Figure 5B-5l. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), June**

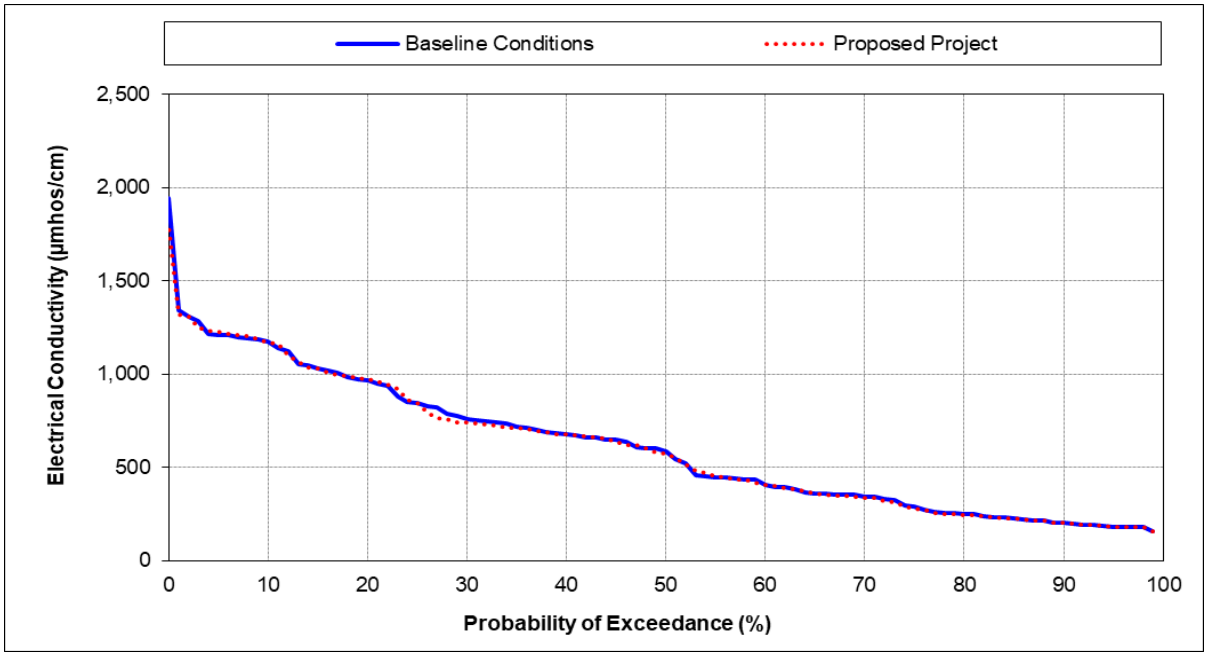


**Figure 5B-5m. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), July**

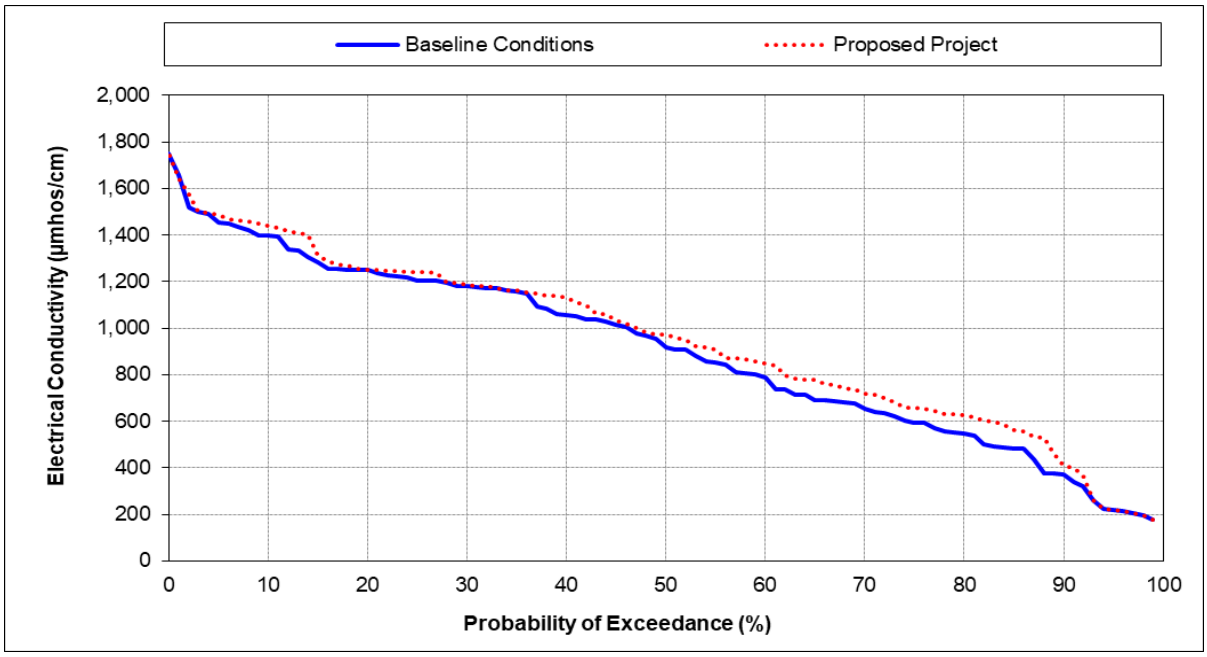


**Figure 5B-5n. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), August**

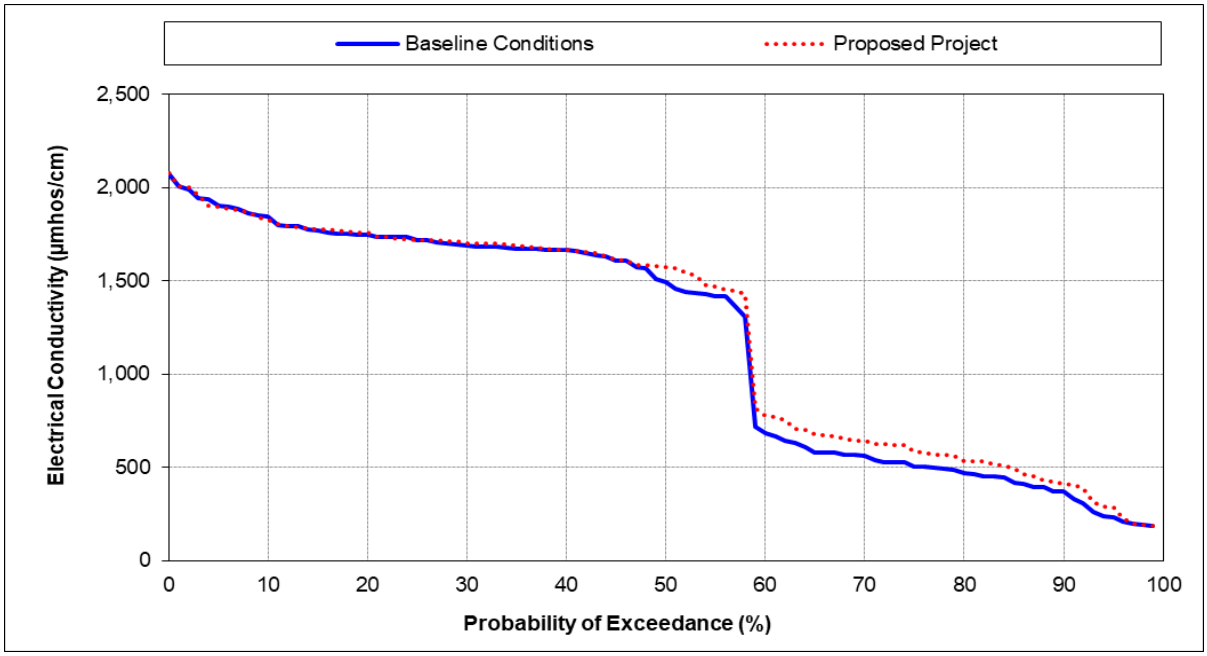


**Figure 5B-5o. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), September**

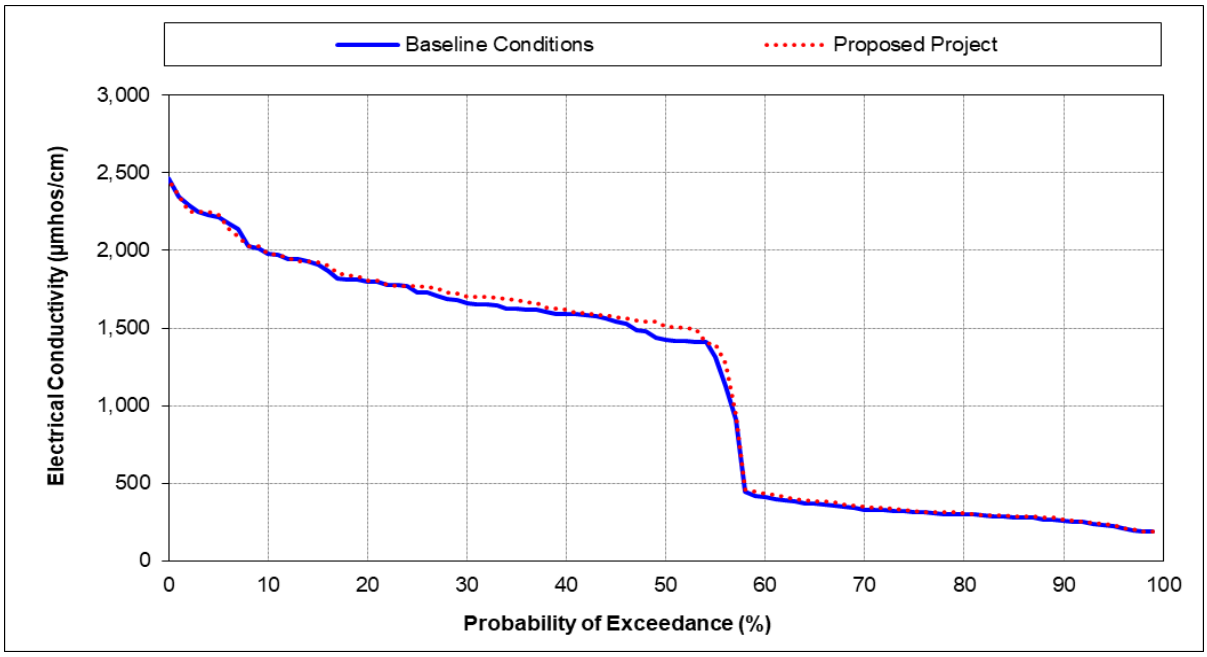


**Figure 5B-5p. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), October**

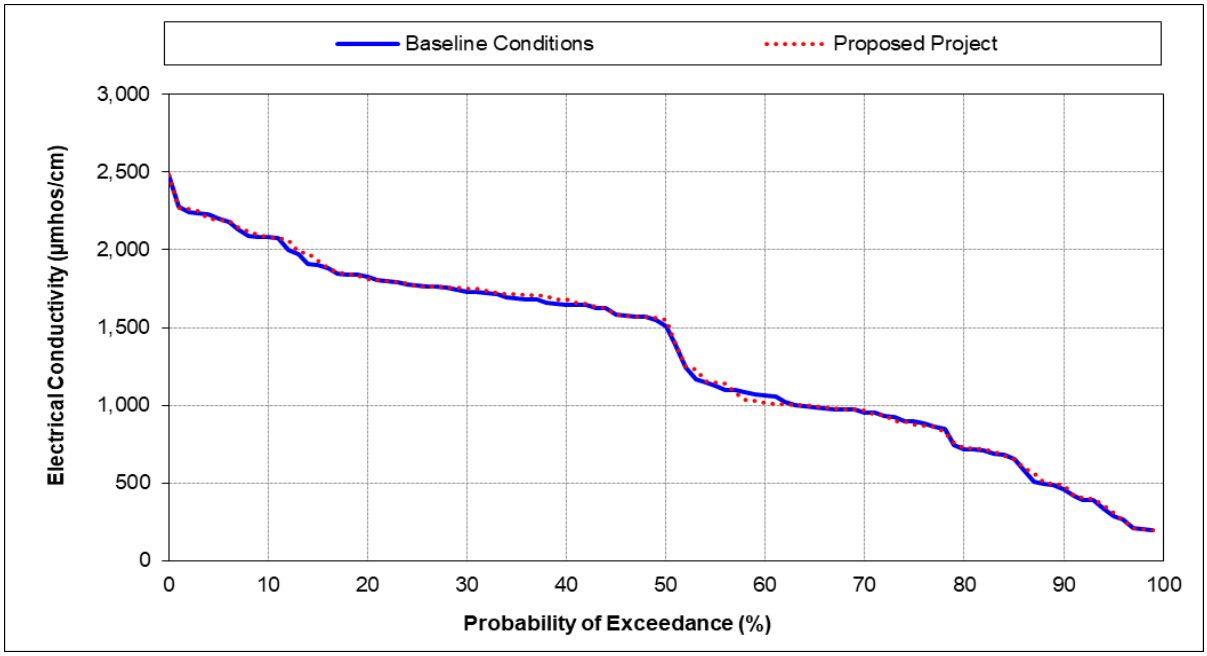


**Figure 5B-5q. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), November**

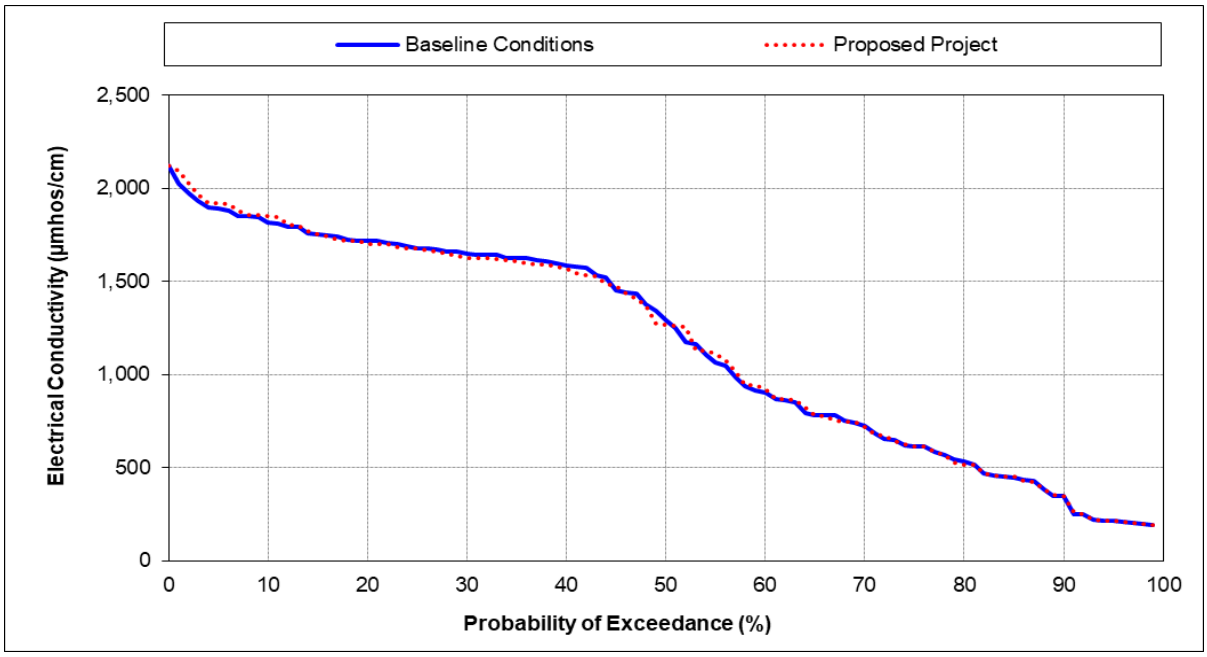


**Figure 5B-5r. San Joaquin River at Jersey Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), December**

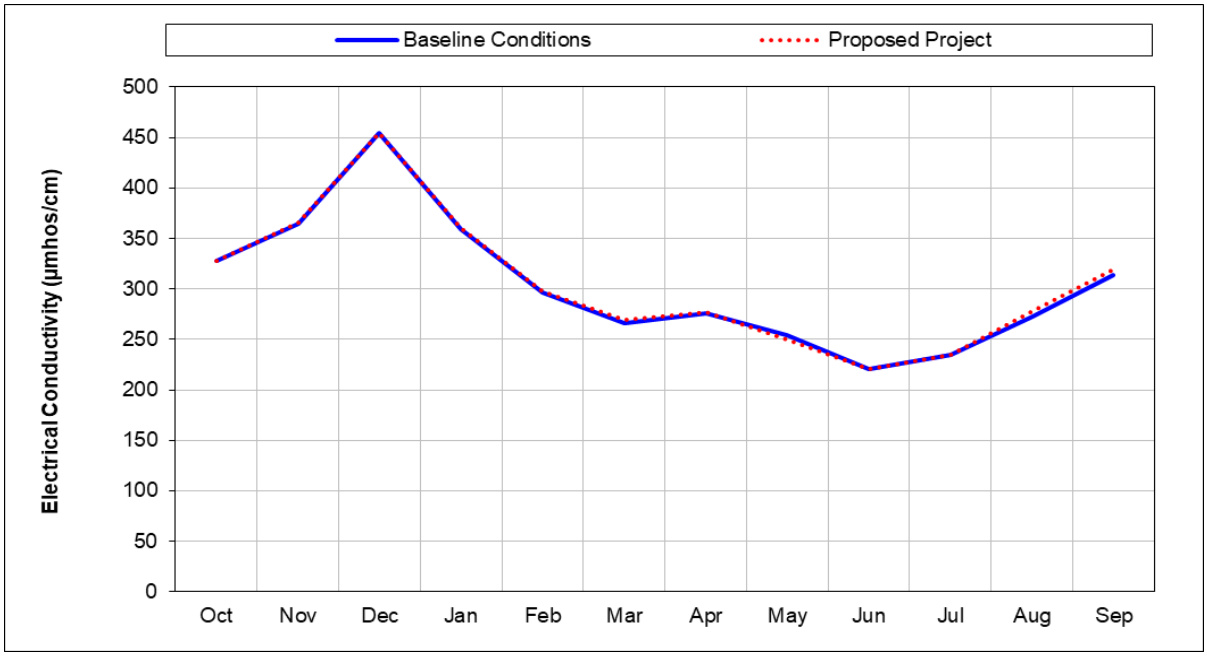


**Figure 5B-6a. San Joaquin River at Prisoners Point, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)**

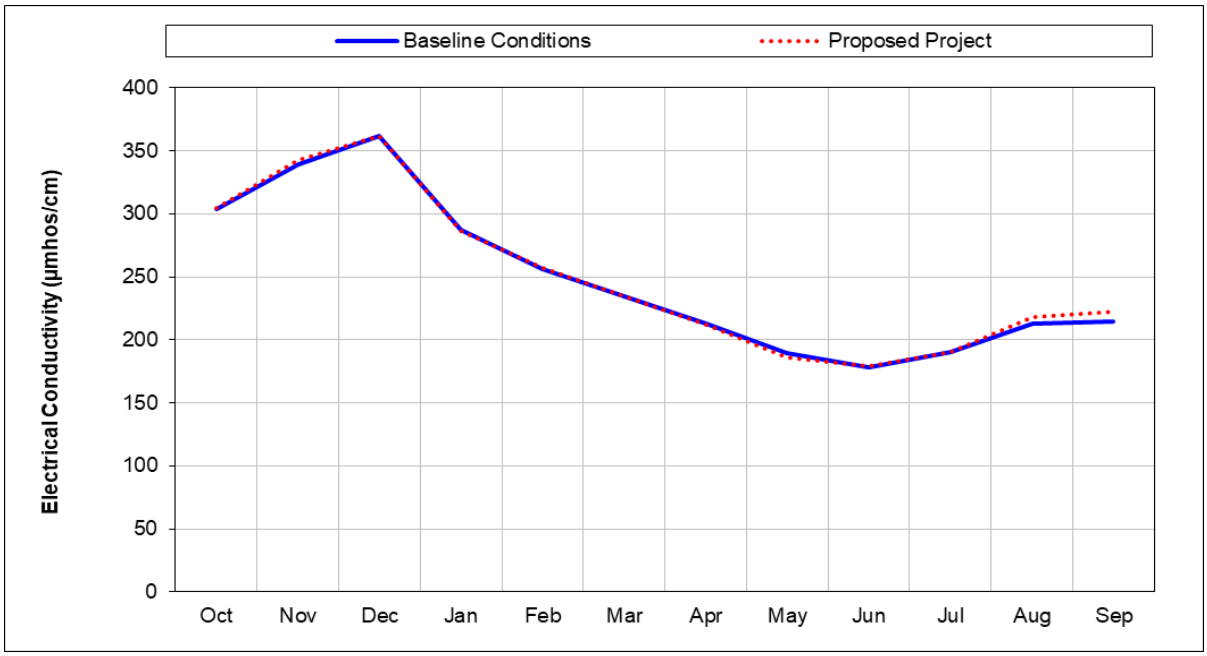


**Figure 5B-6b. San Joaquin River at Prisoners Point, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

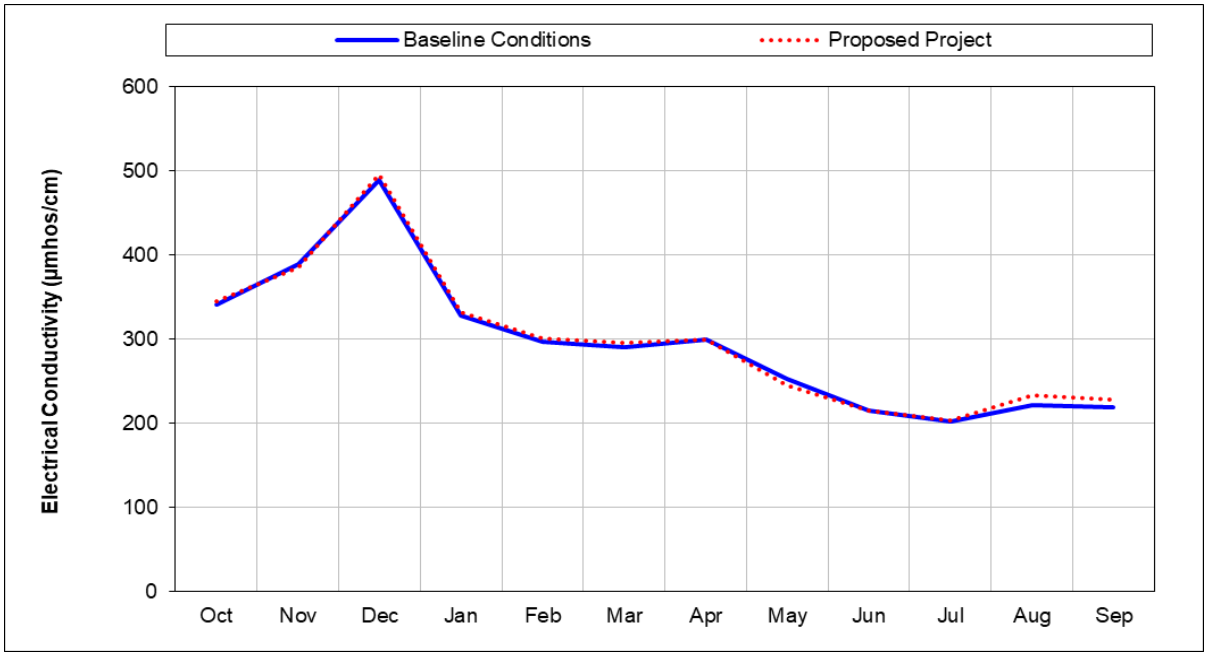


**Figure 5B-6c. San Joaquin River at Prisoners Point, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

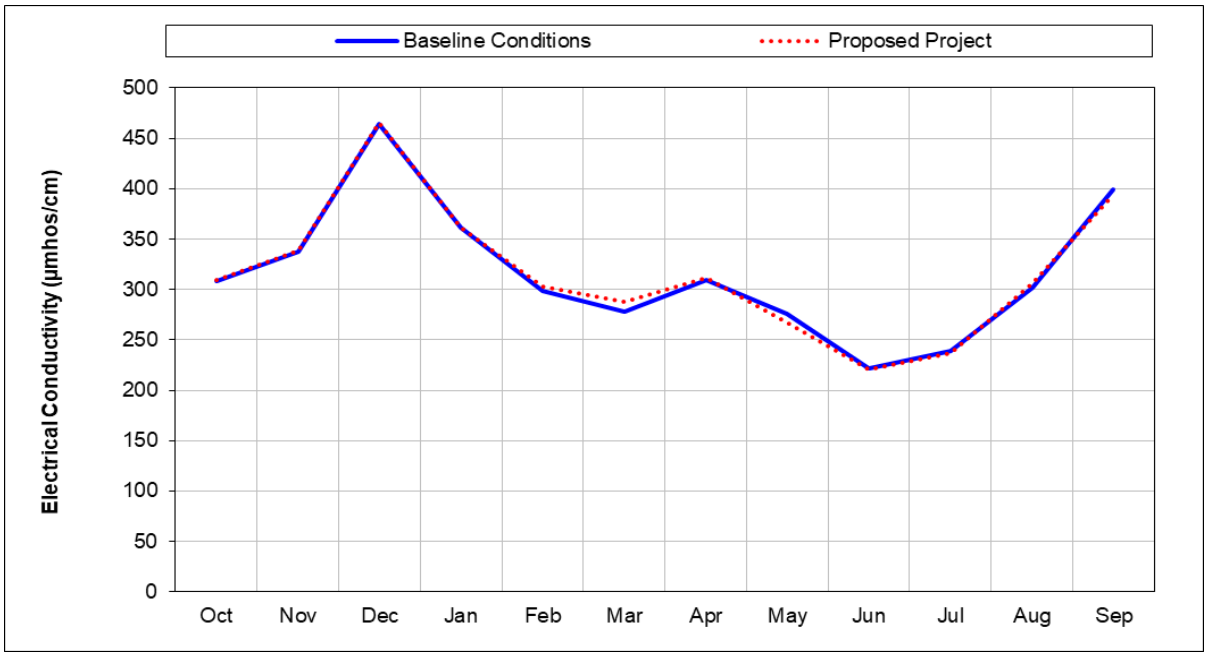


**Figure 5B-6d. San Joaquin River at Prisoners Point, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

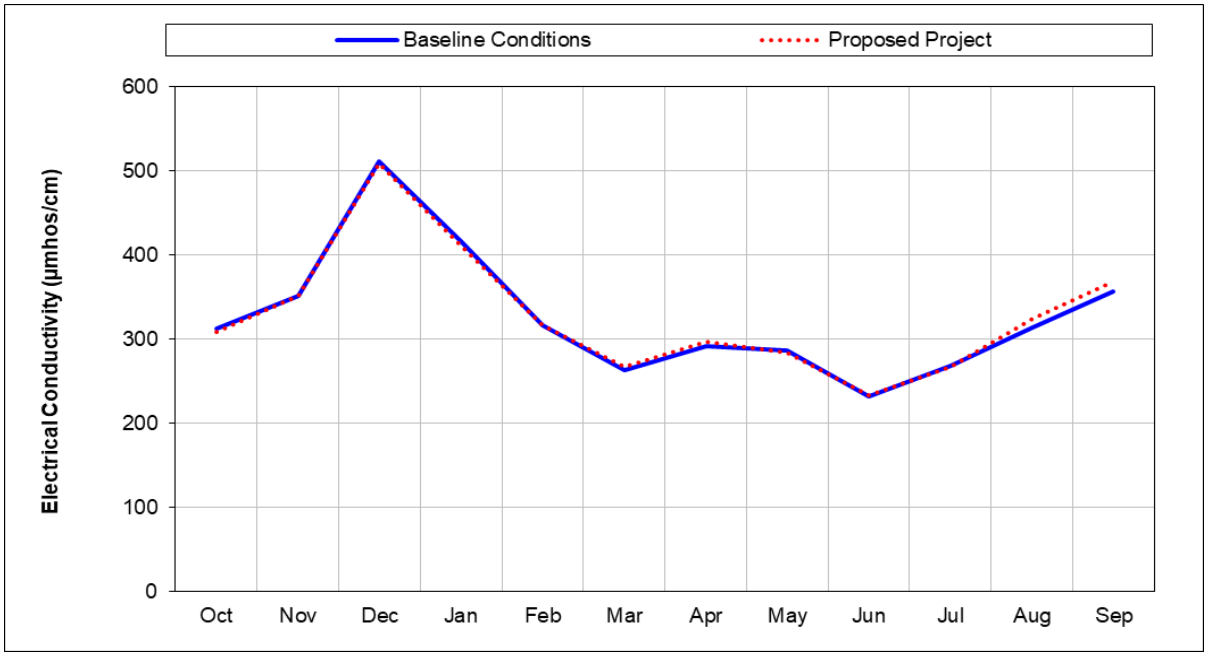


**Figure 5B-6e. San Joaquin River at Prisoners Point, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

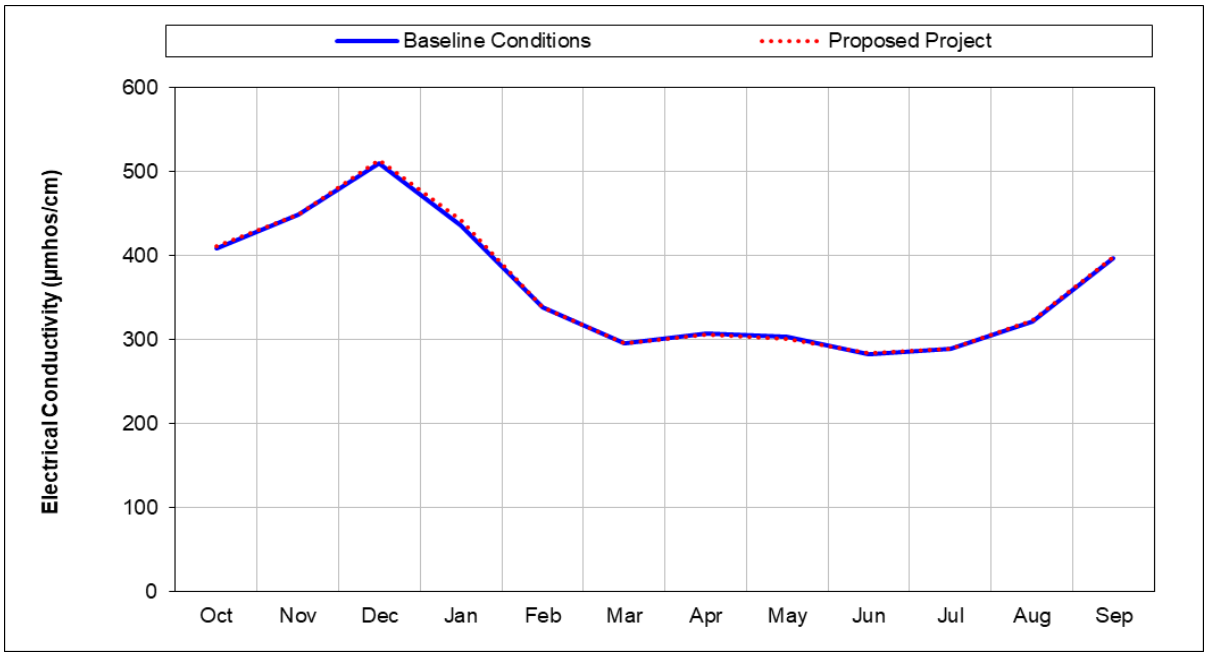


**Figure 5B-6f. San Joaquin River at Prisoners Point, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

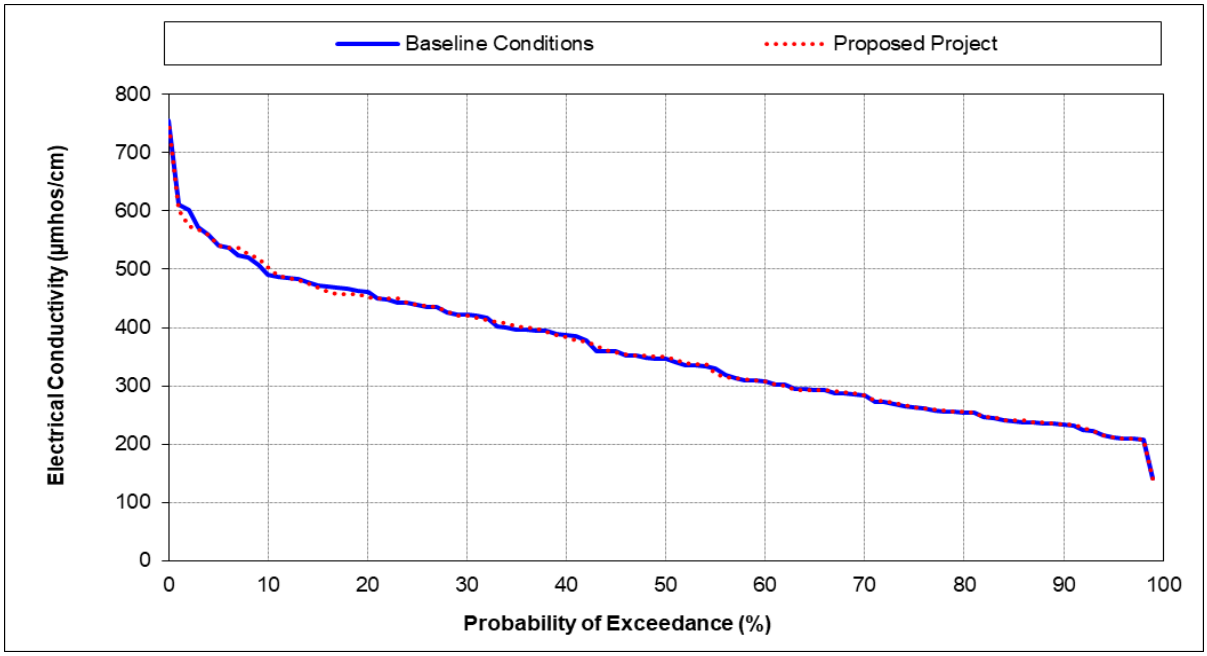


**Figure 5B-6g. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), January**

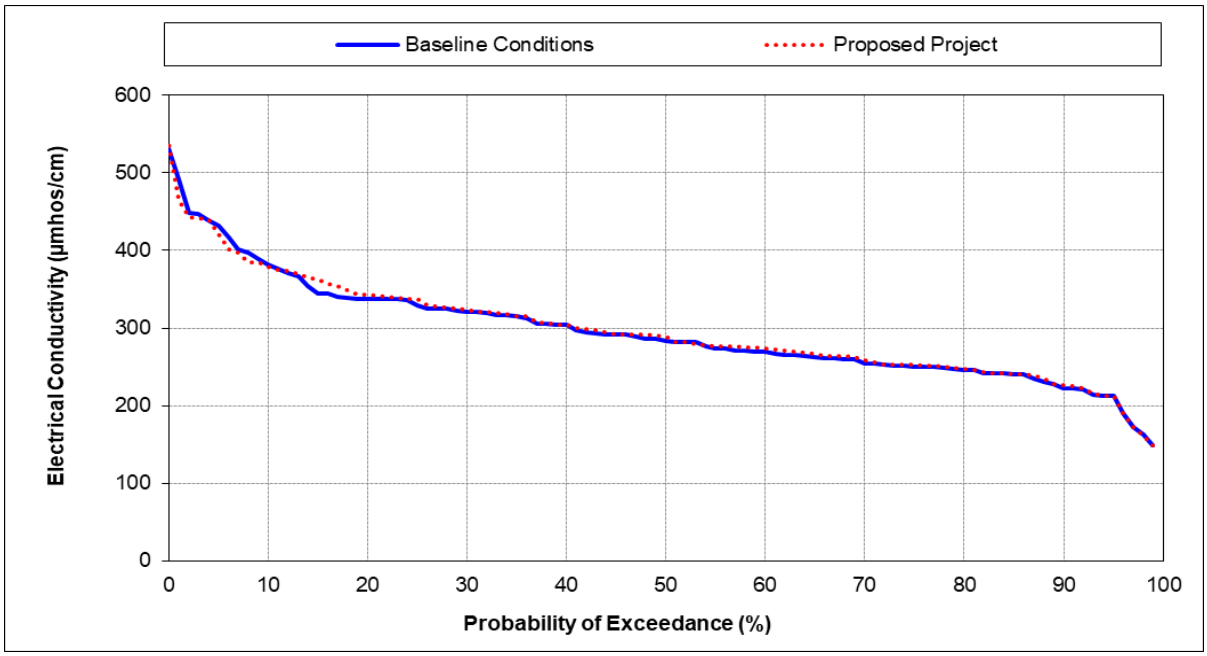


**Figure 5B-6h. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), February**

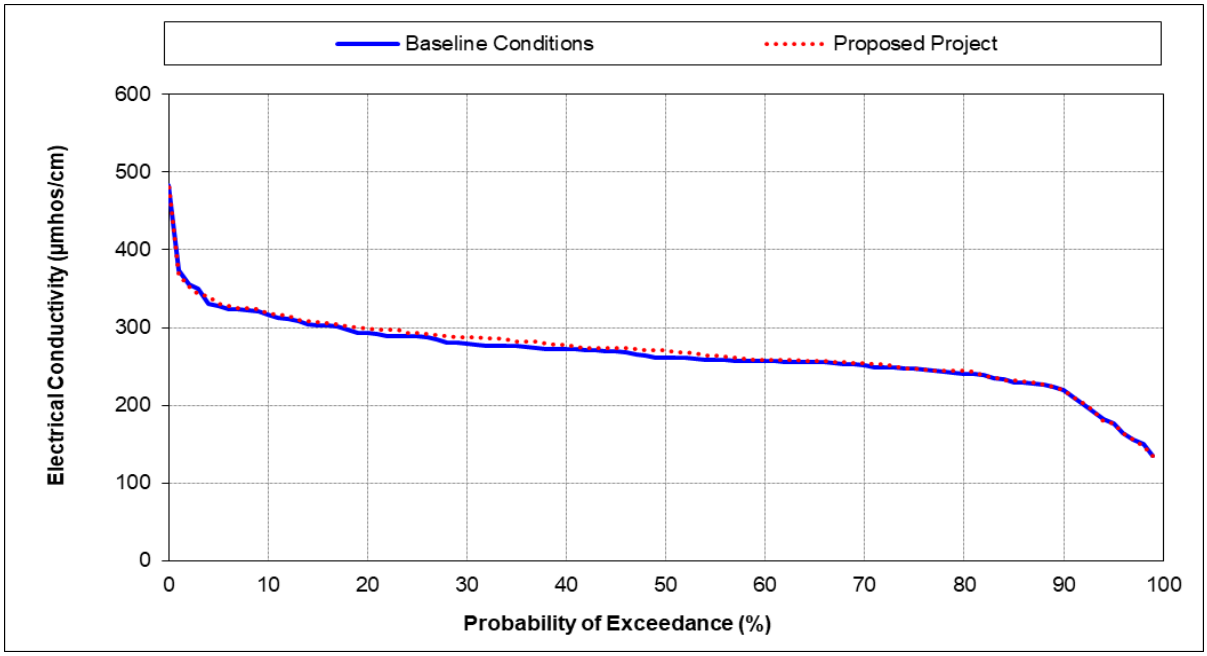


**Figure 5B-6i. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), March**

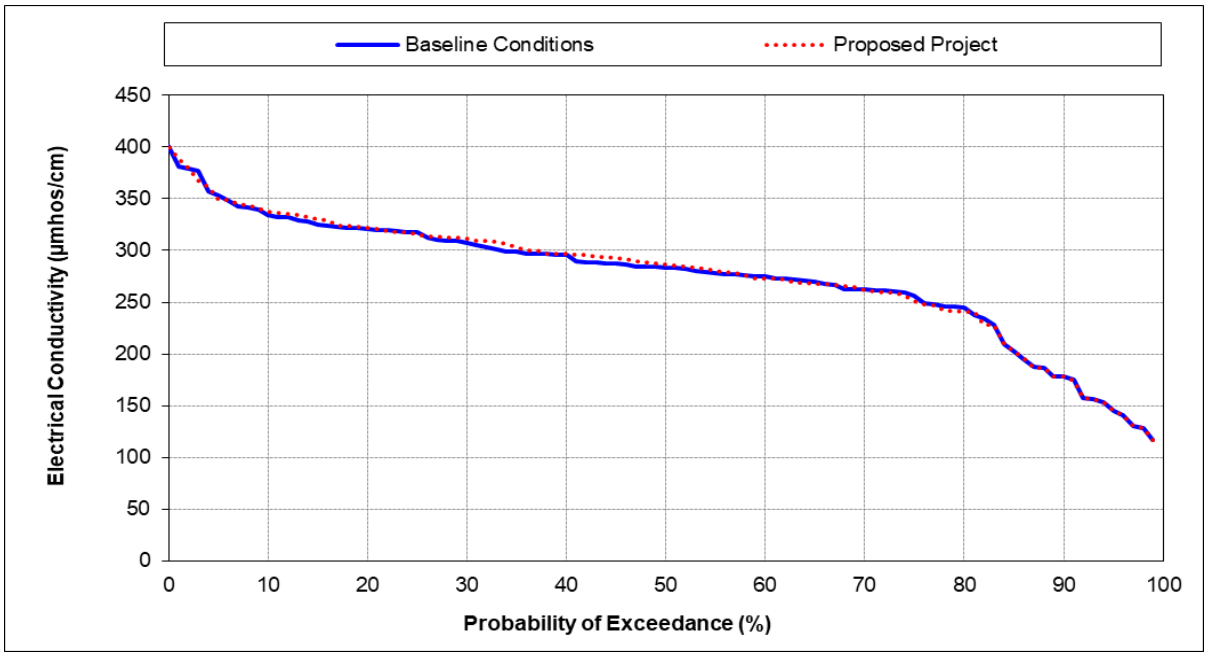


**Figure 5B-6j. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), April**

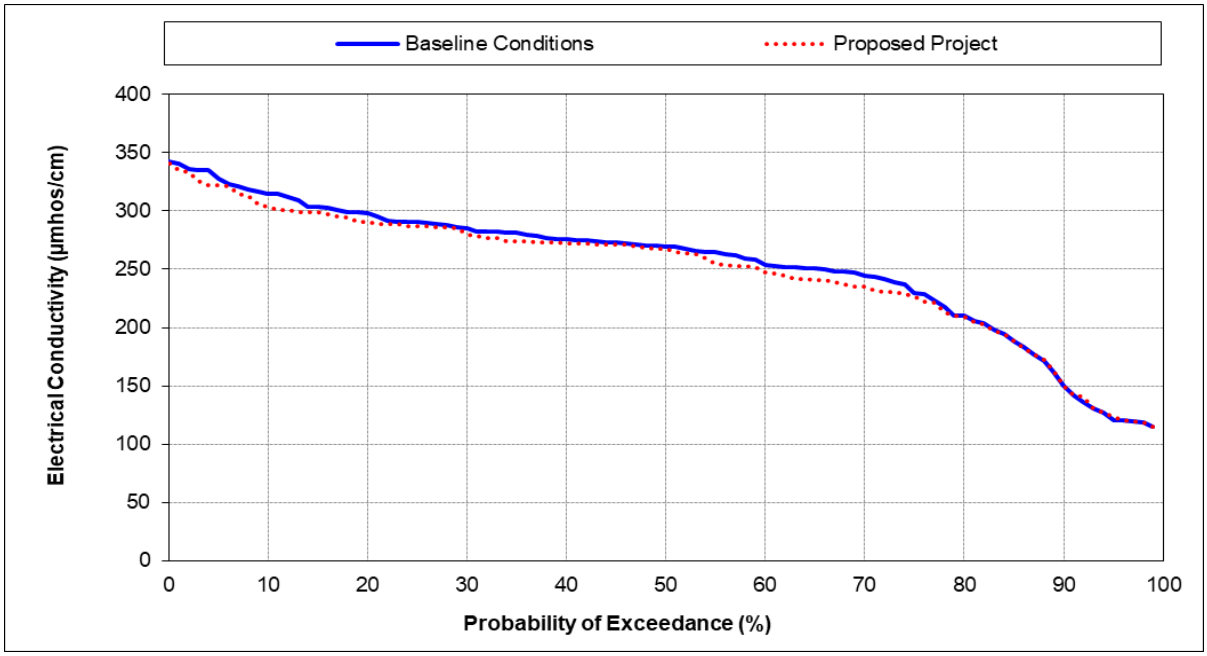


**Figure 5B-6k. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), May**

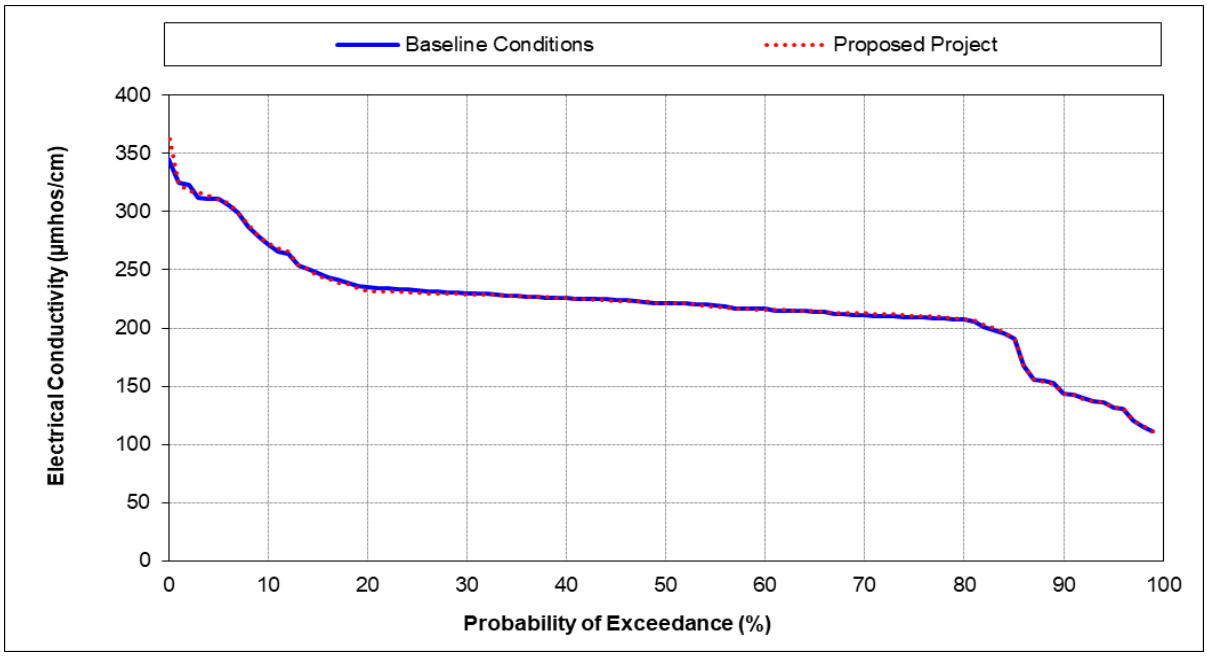


**Figure 5B-6l. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), June**

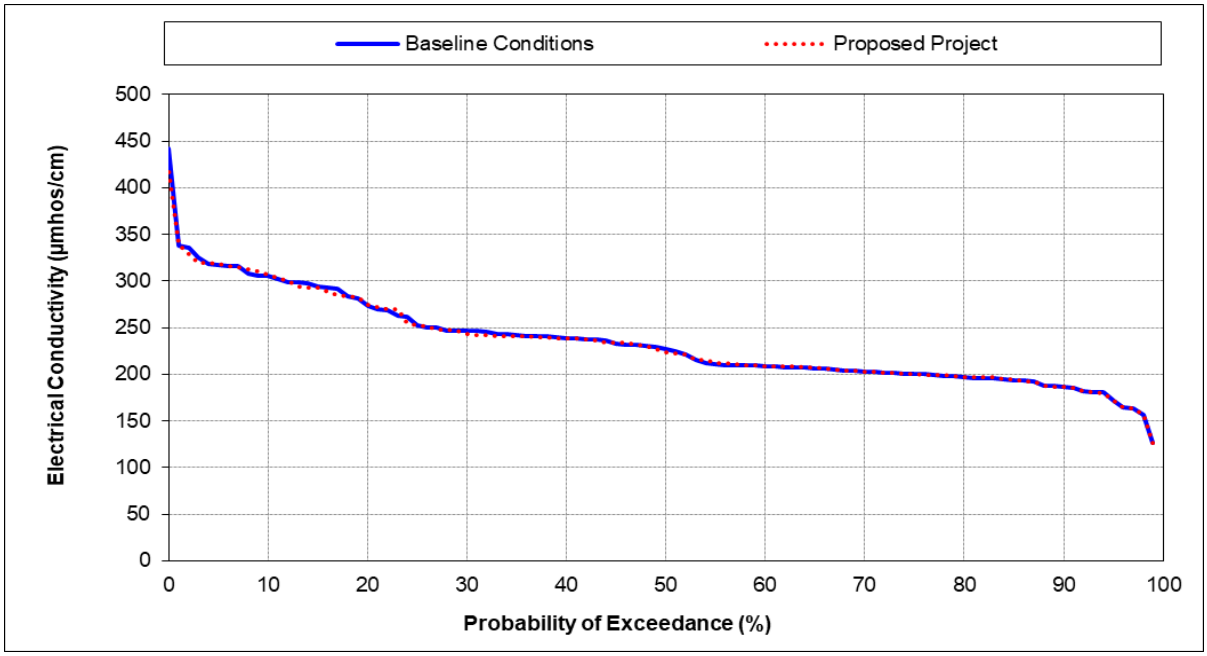


**Figure 5B-6m. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), July**

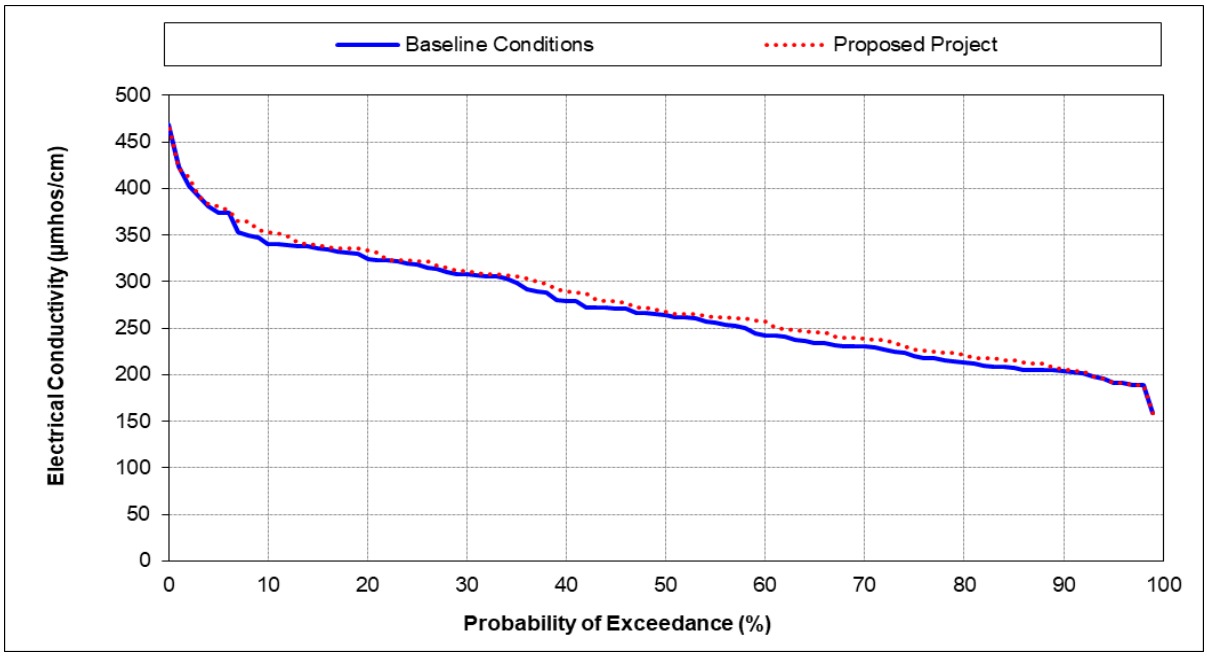


**Figure 5B-6n. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), August**

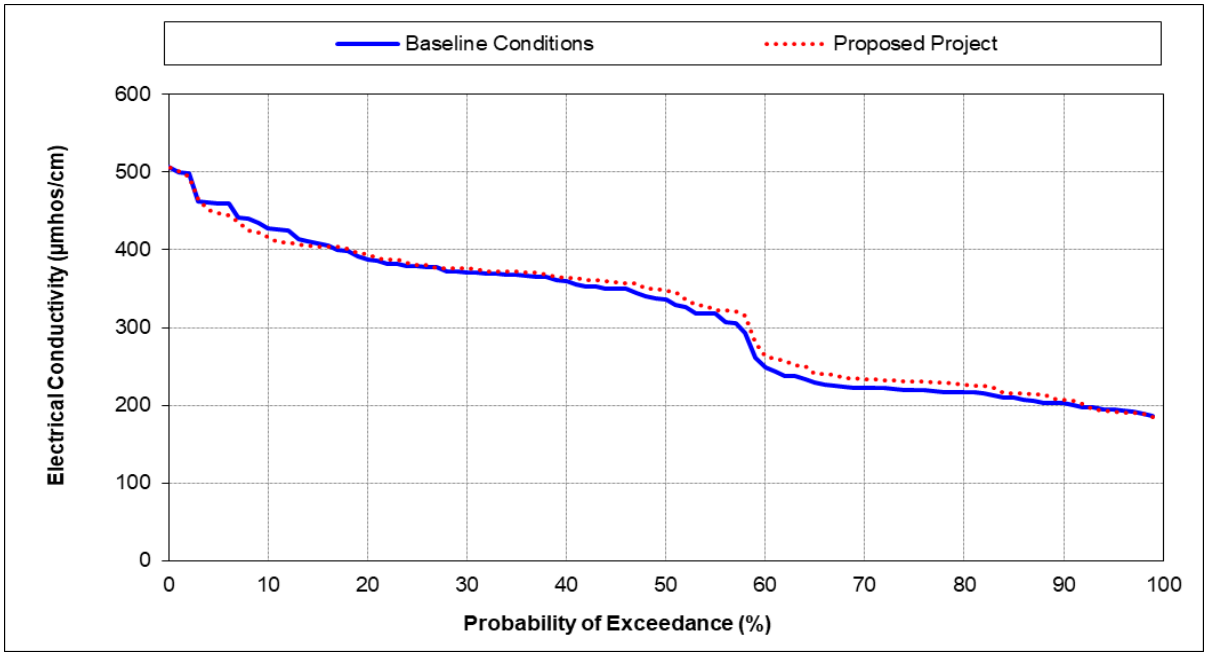


**Figure 5B-6o. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), September**

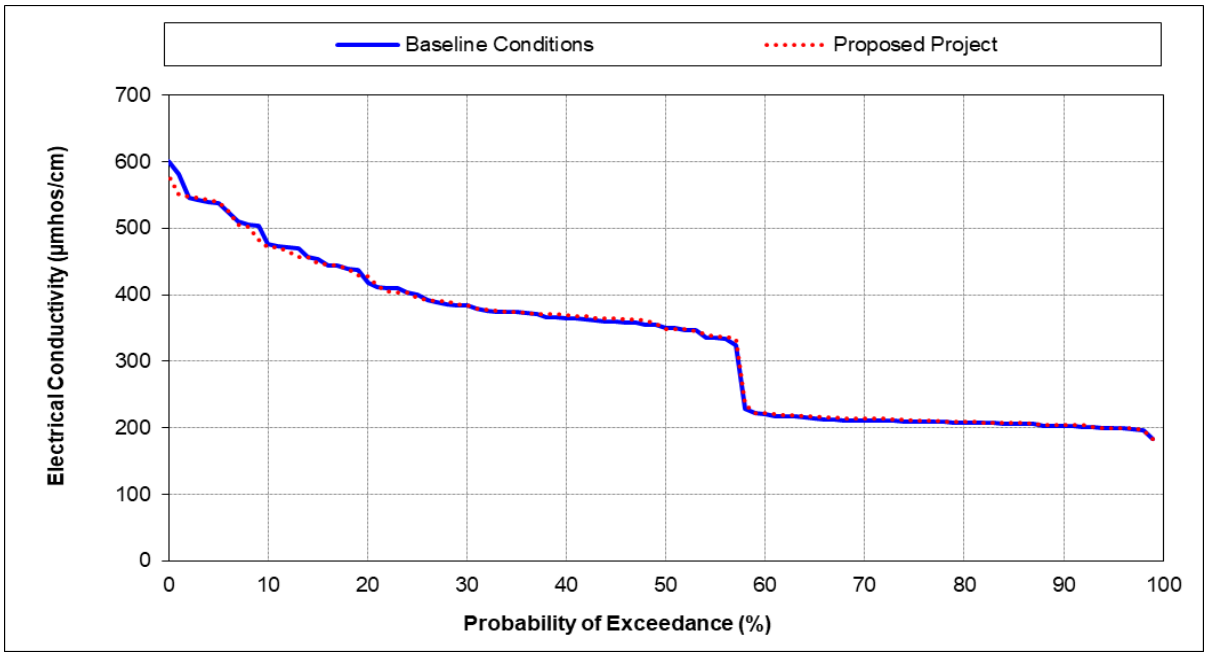


**Figure 5B-6p. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), October**

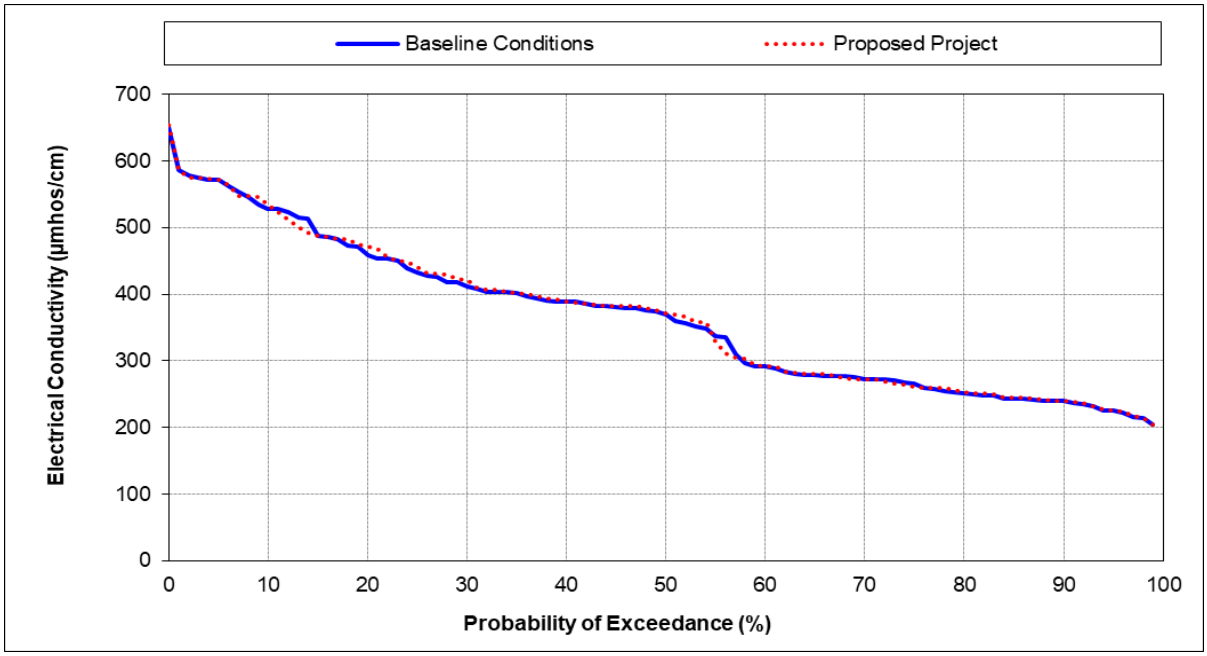


**Figure 5B-6q. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), November**

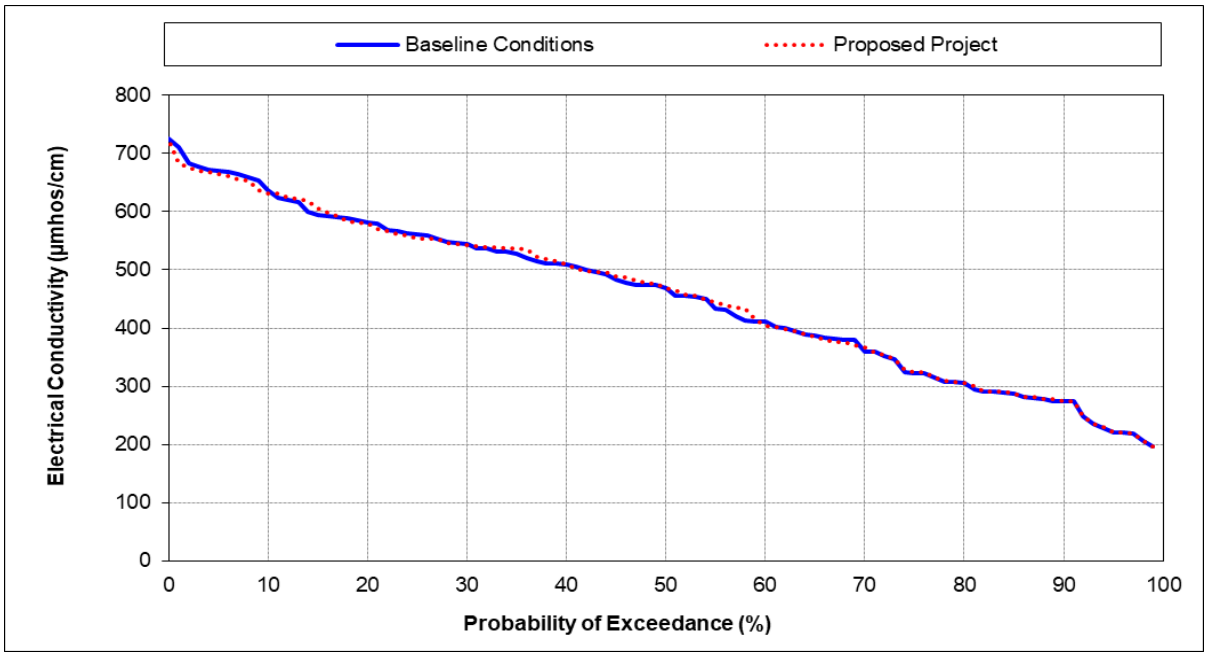


**Figure 5B-6r. San Joaquin River at Prisoners Point, Monthly Average Electrical Conductivity (in micromhos per centimeter), December**

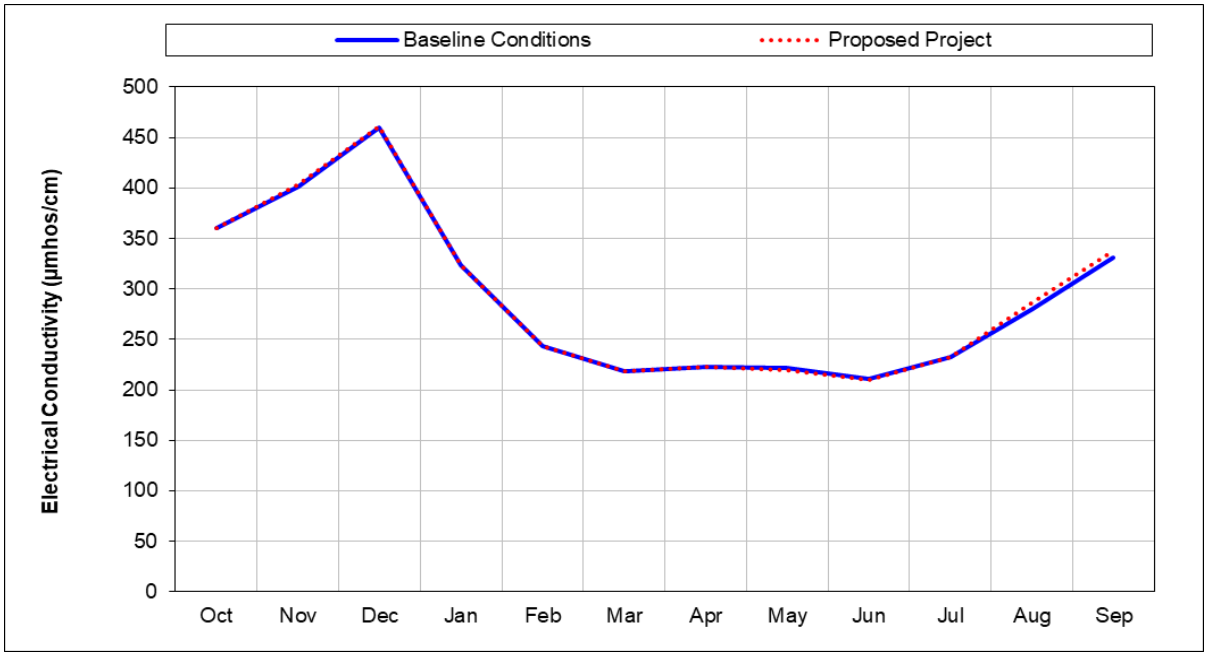


**Figure 5B-7a. San Joaquin River at San Andreas Landing, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)**

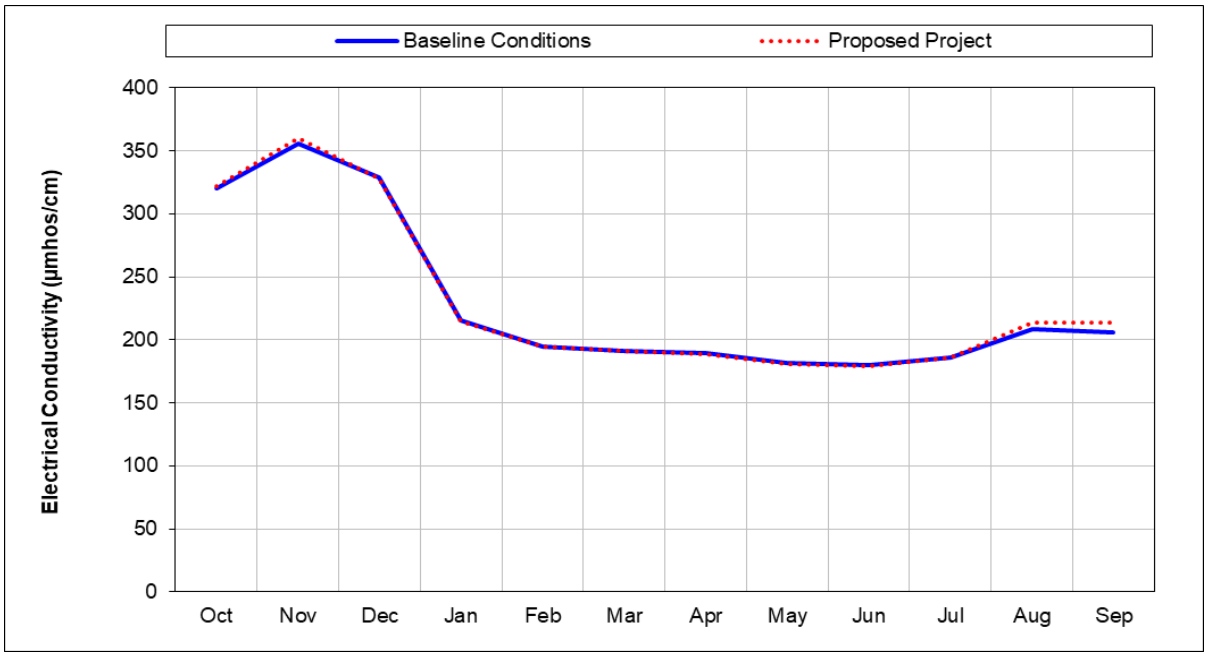


**Figure 5B-7b. San Joaquin River at San Andreas Landing, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

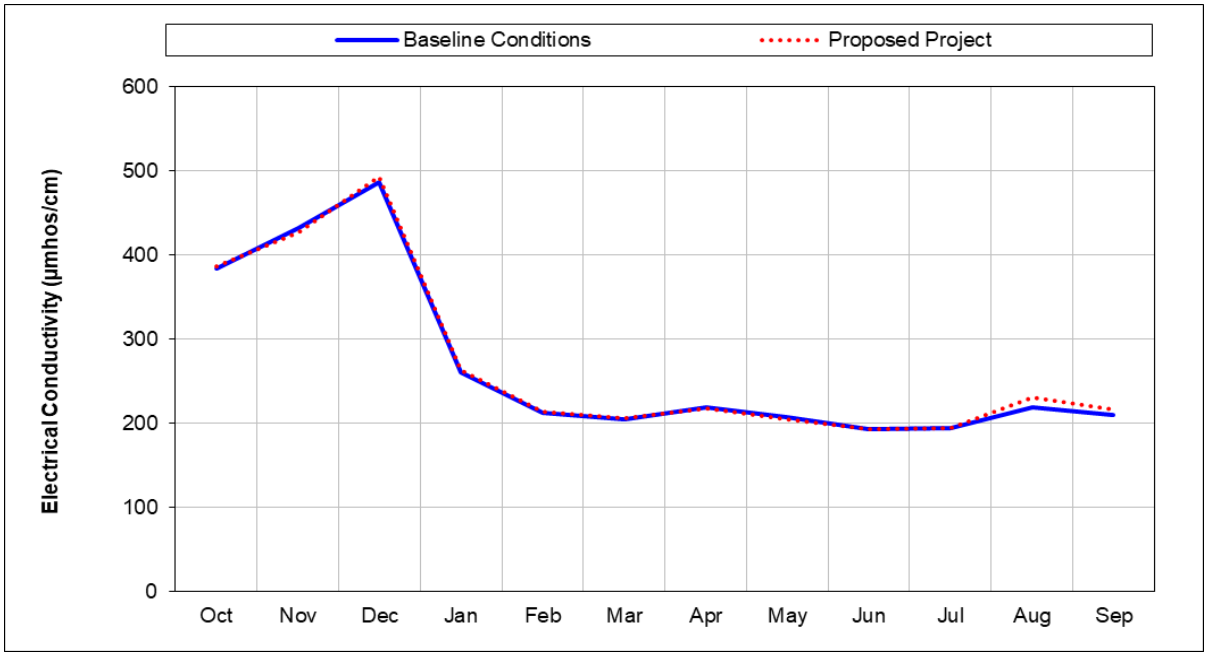


**Figure 5B-7c. San Joaquin River at San Andreas Landing, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

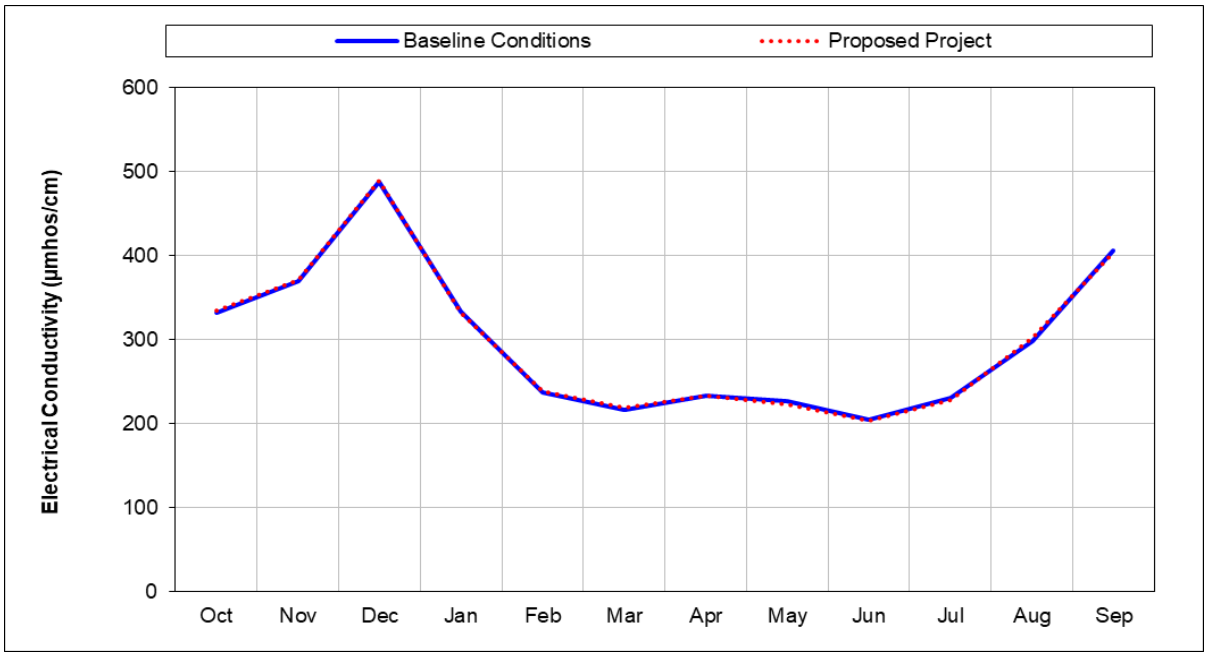


**Figure 5B-7d. San Joaquin River at San Andreas Landing, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

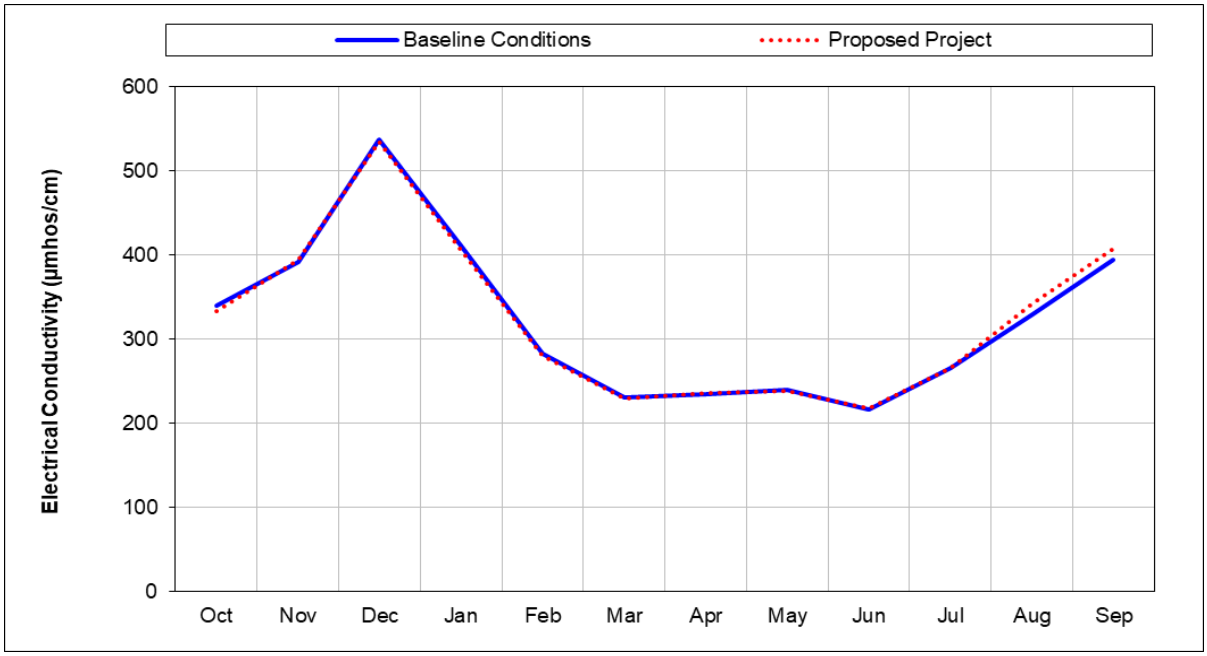


**Figure 5B-7e. San Joaquin River at San Andreas Landing, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

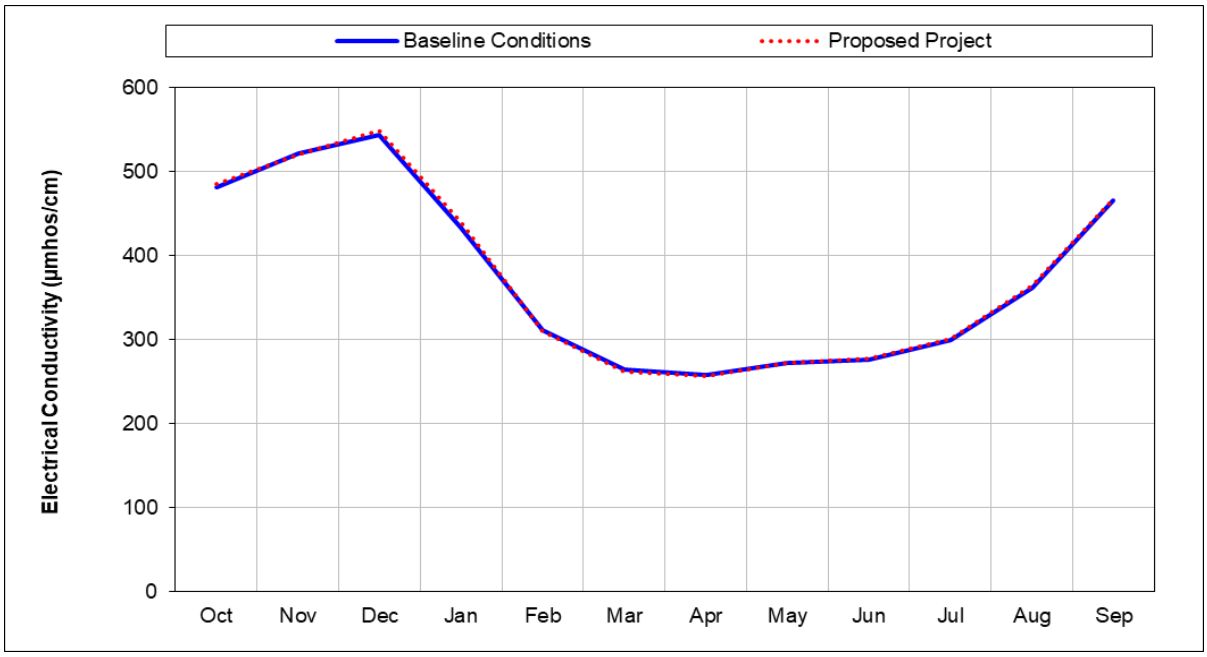


**Figure 5B-7f. San Joaquin River at San Andreas Landing, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

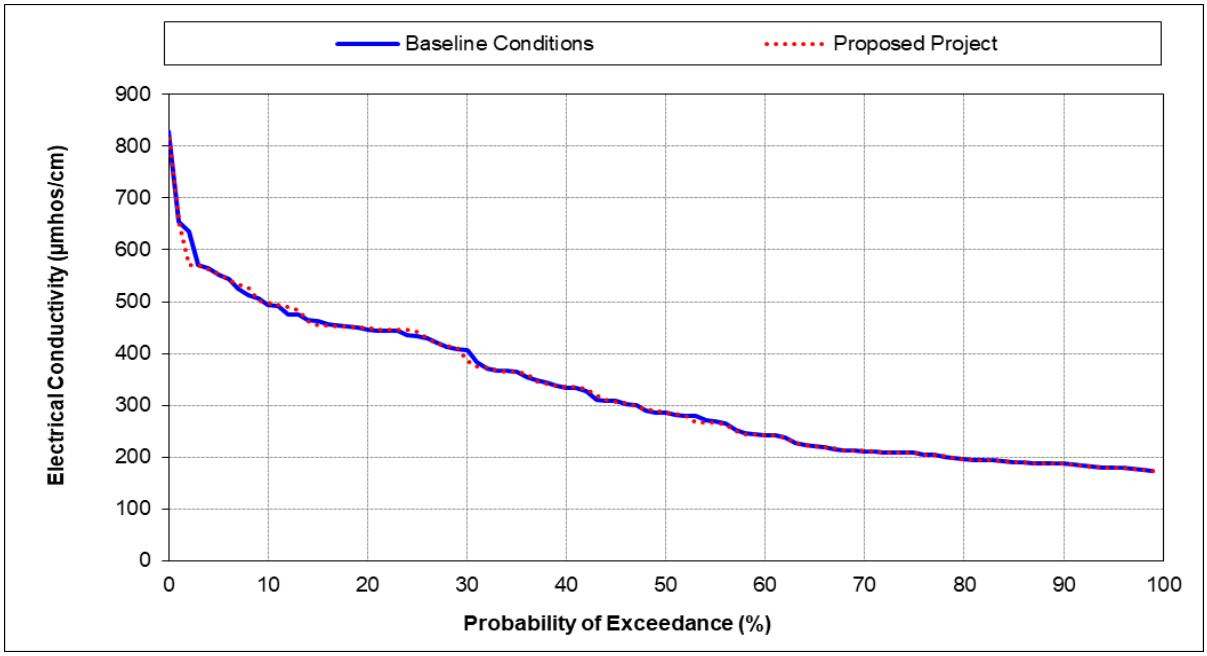


**Figure 5B-7g. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), January**

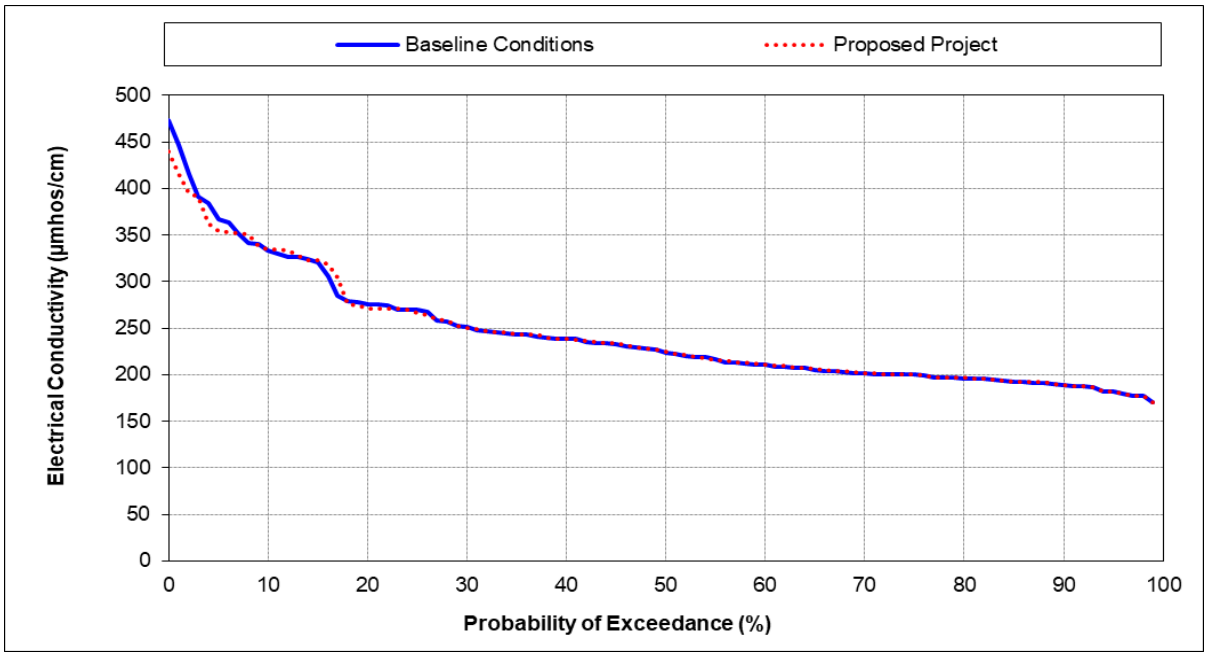


**Figure 5B-7h. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), February**

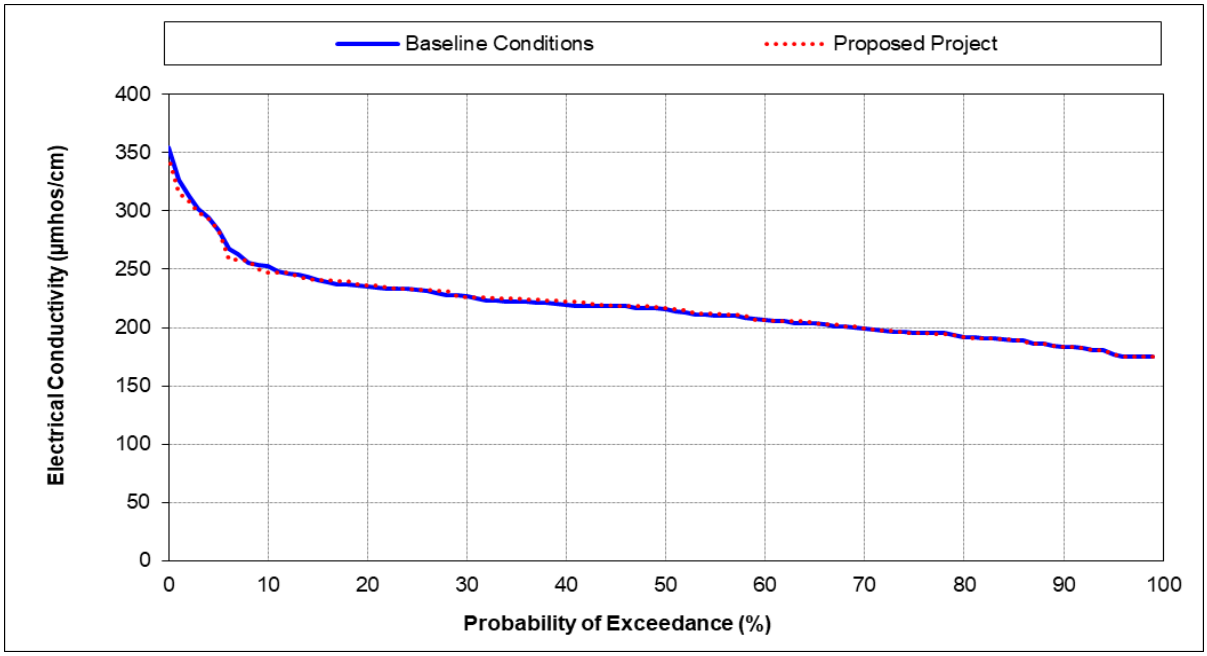


**Figure 5B-7i. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), March**

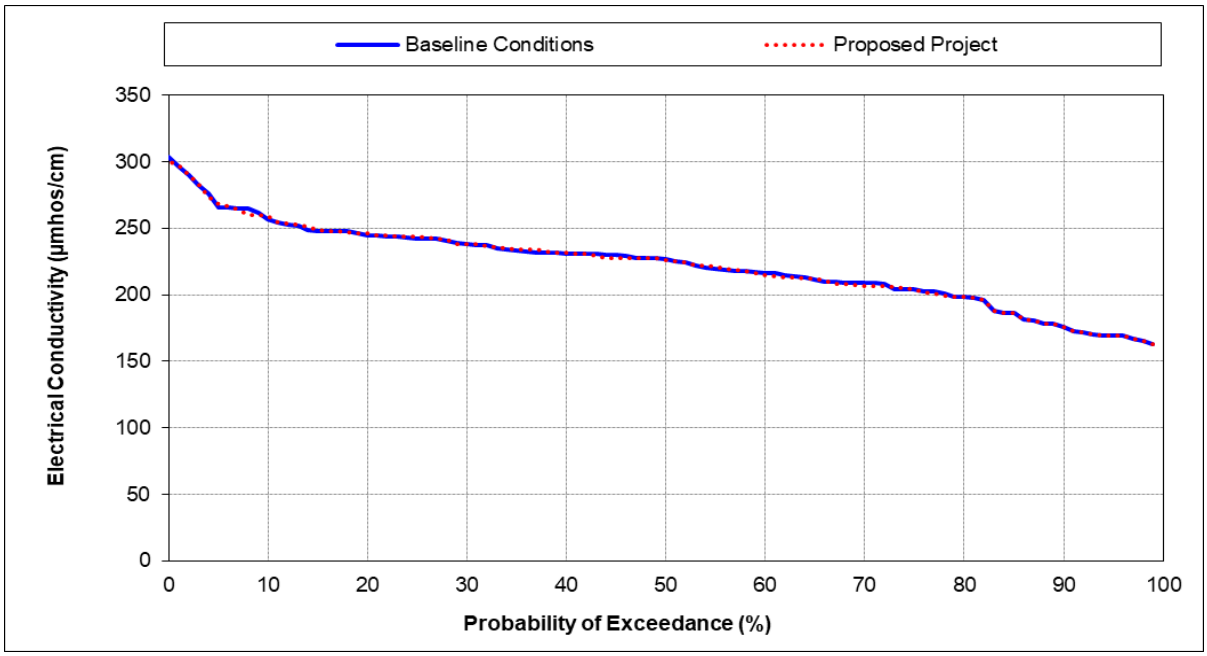


**Figure 5B-7j. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), April**

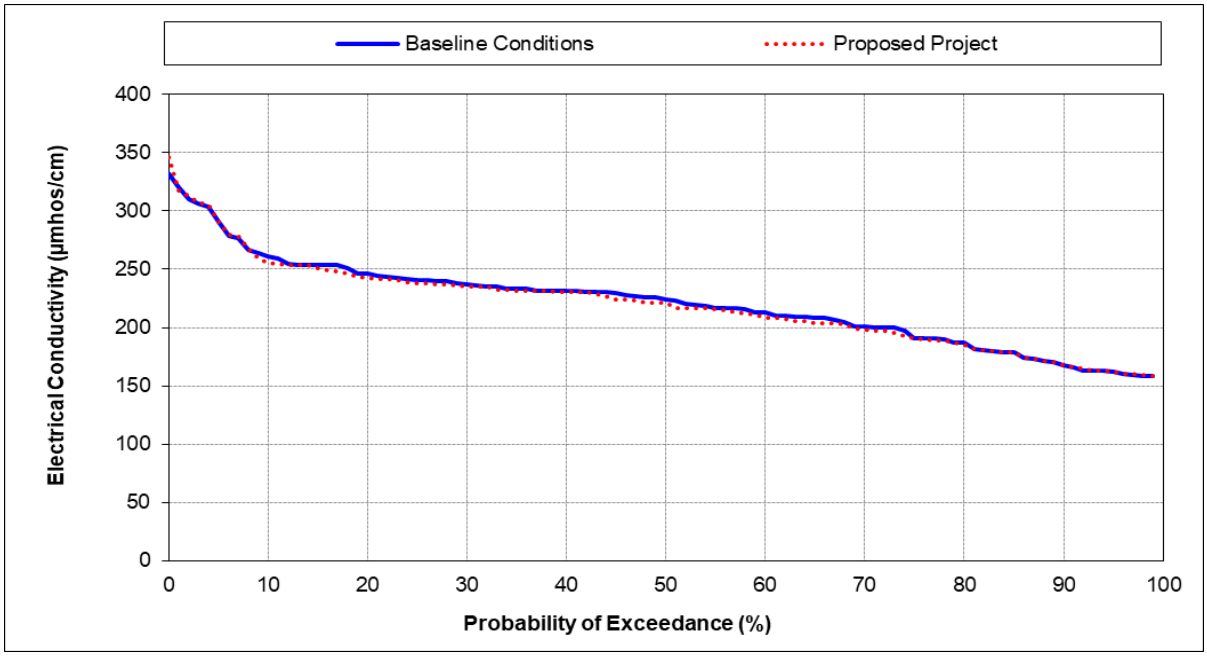


**Figure 5B-7k. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), May**

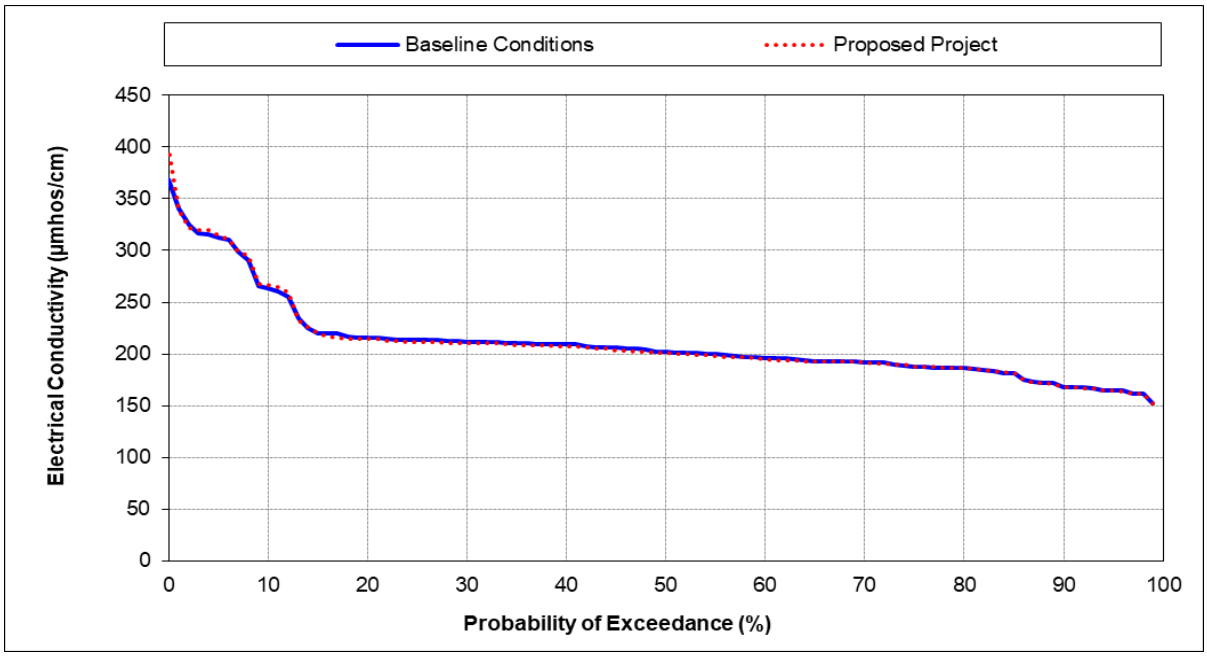


**Figure 5B-7l. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), June**

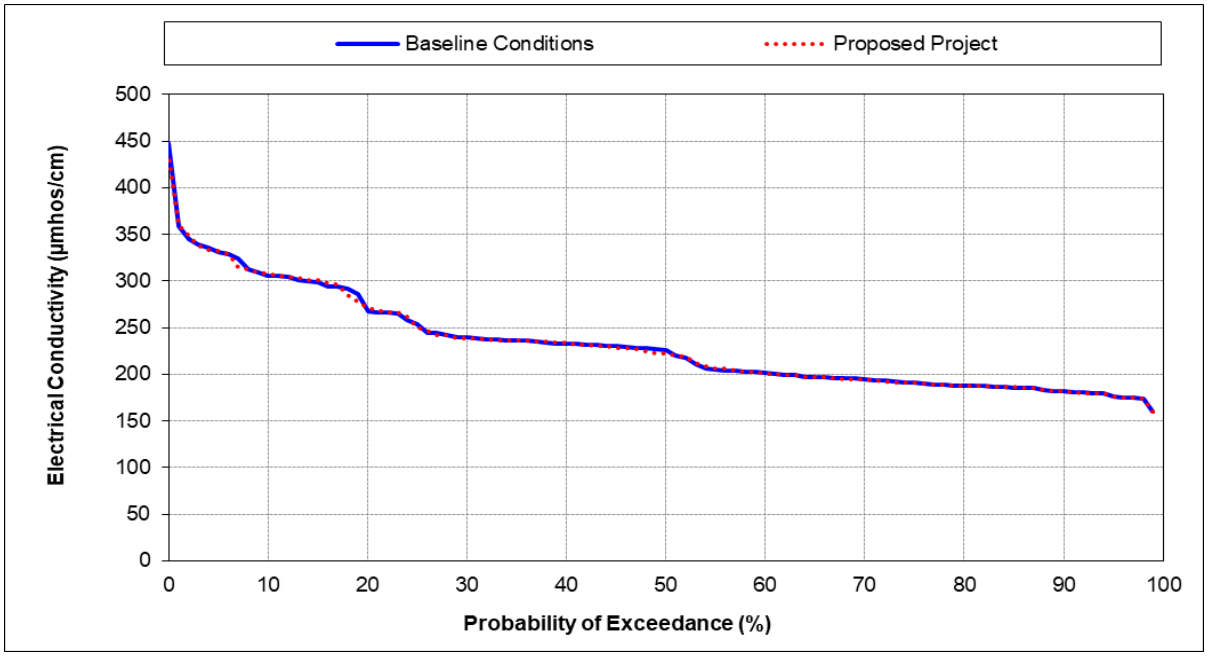


**Figure 5B-7m. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), July**

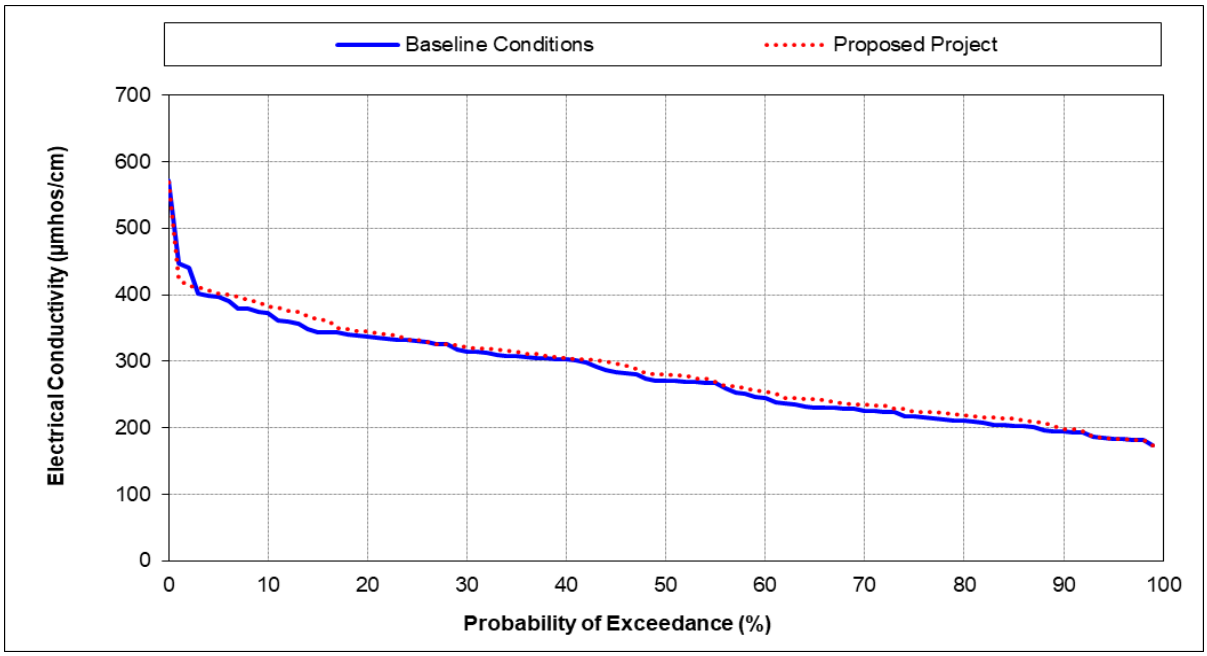


**Figure 5B-7n. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), August**

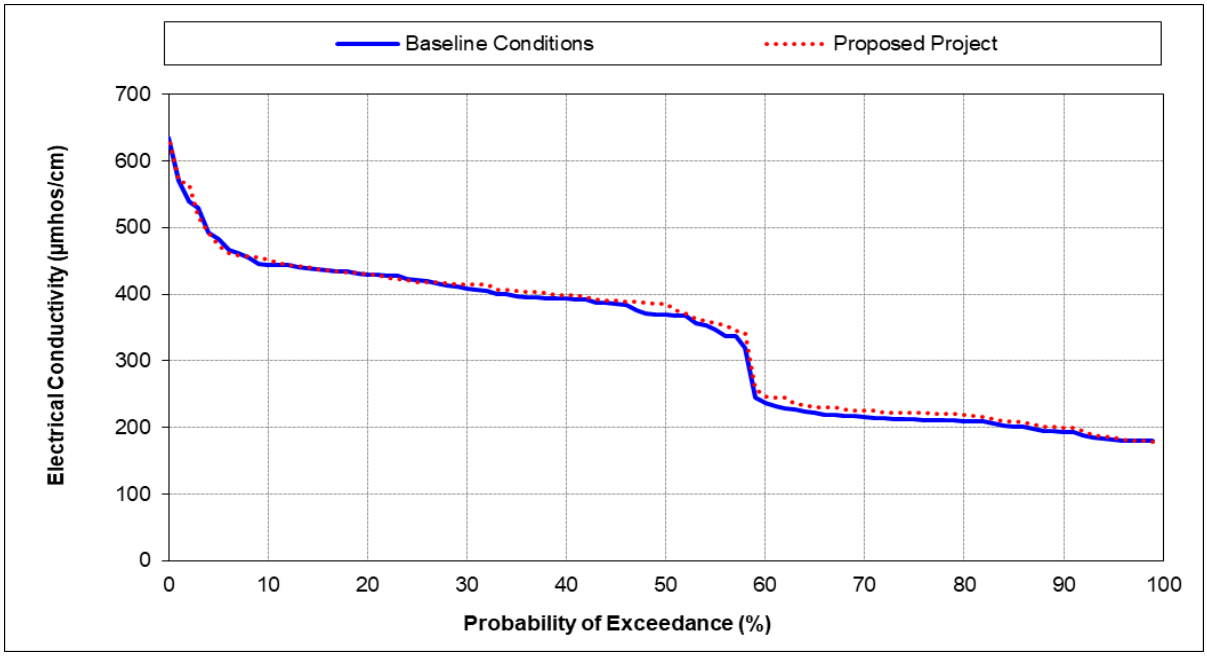


**Figure 5B-7o. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), September**

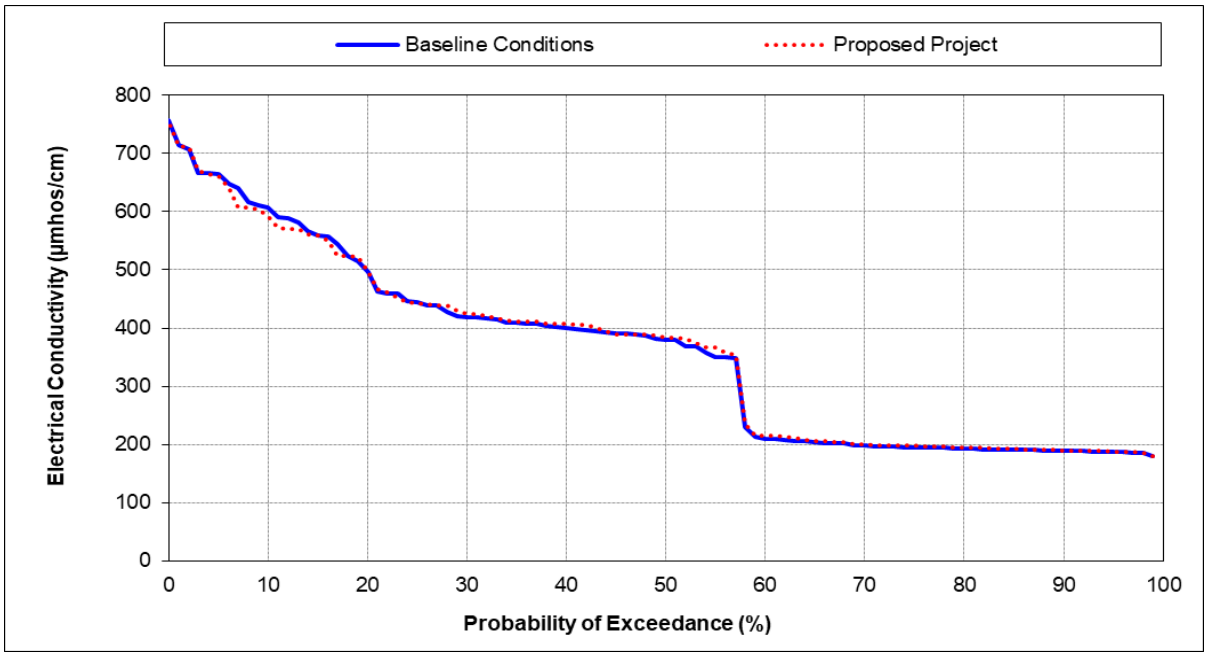


**Figure 5B-7p. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), October**

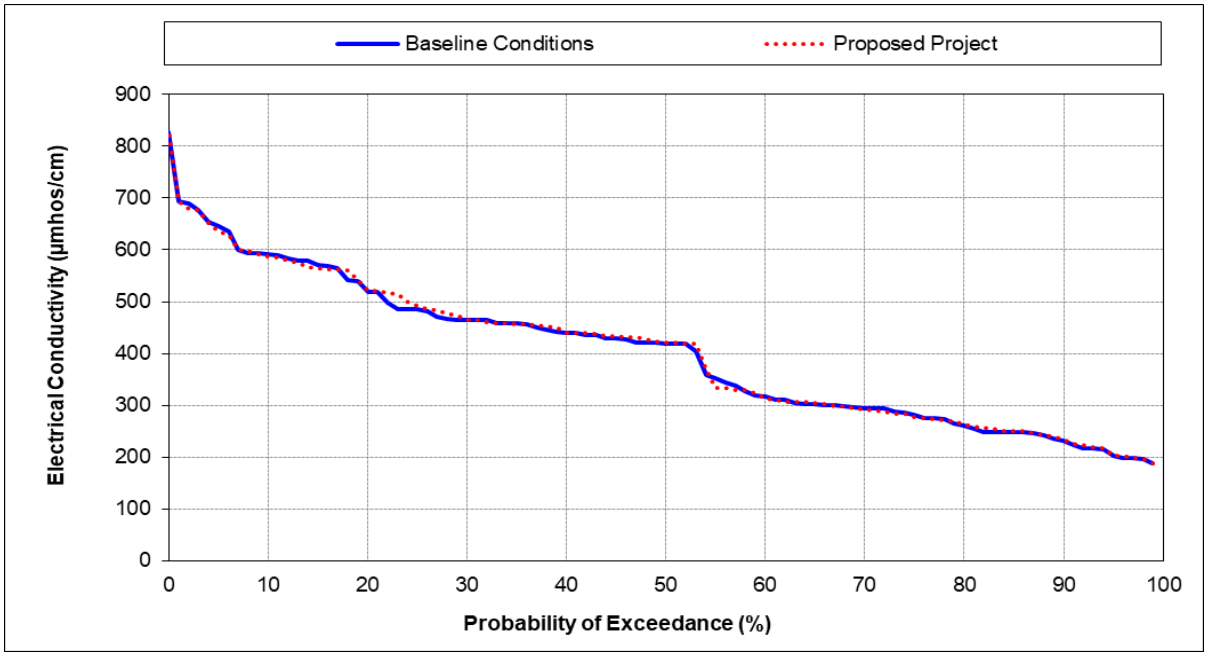


**Figure 5B-7q. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), November**

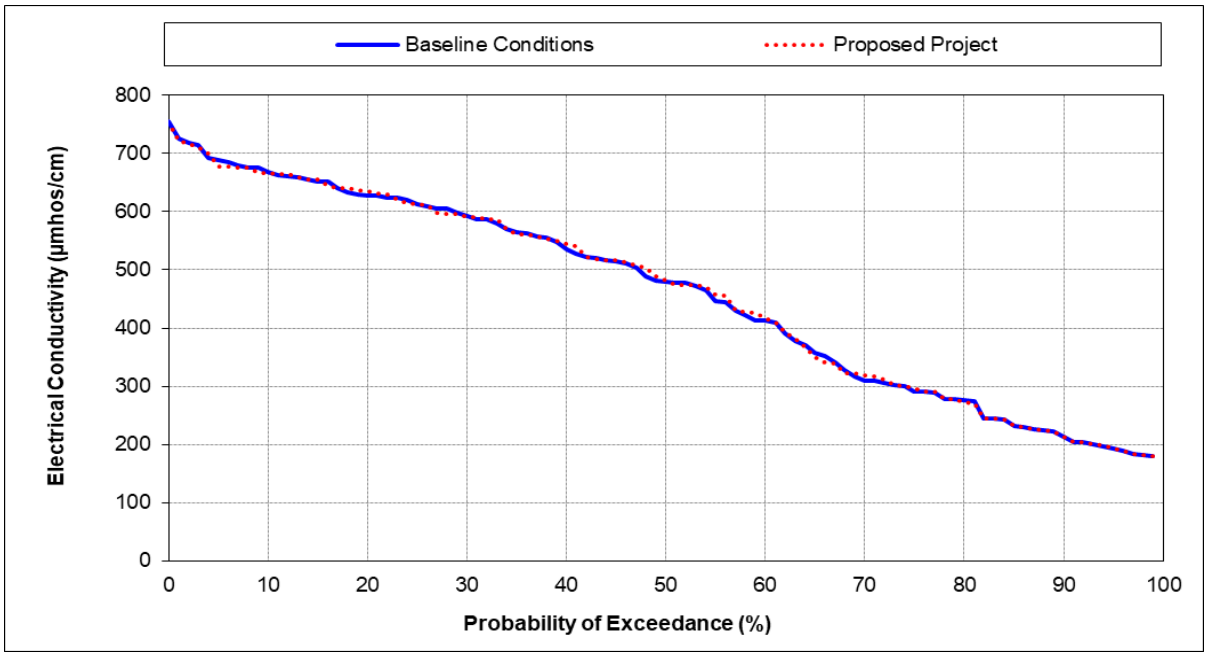


**Figure 5B-7r. San Joaquin River at San Andreas Landing, Monthly Average Electrical Conductivity (in micromhos per centimeter), December**

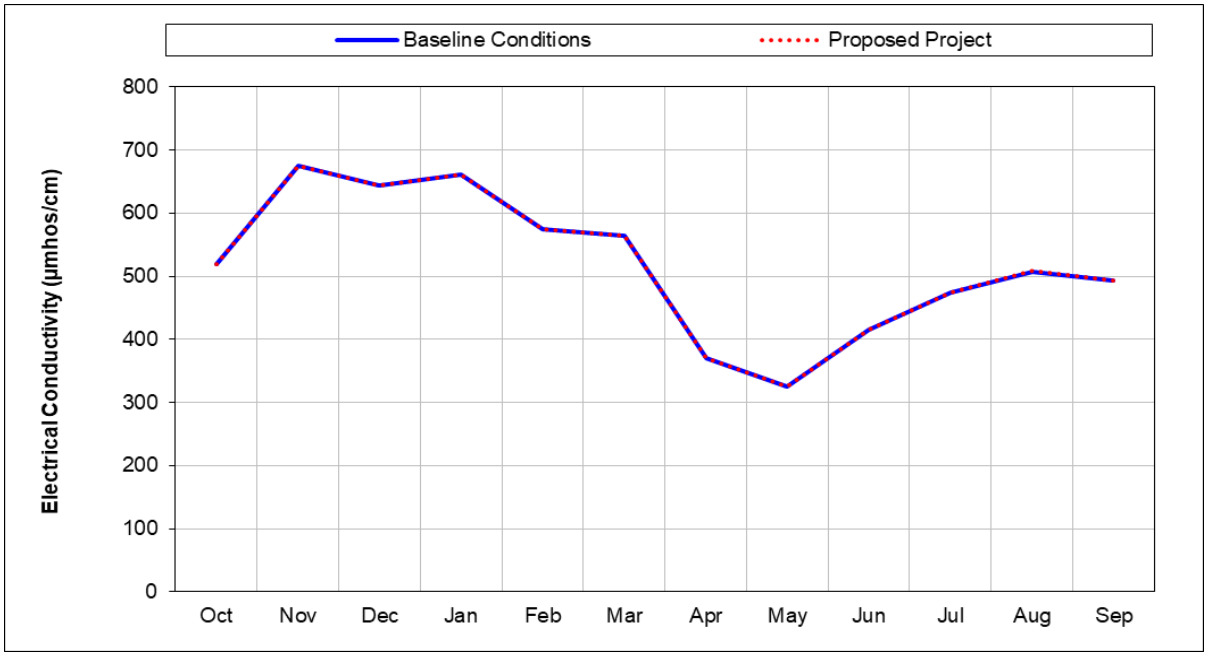


**Figure 5B-8a. San Joaquin River at Vernalis, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)**

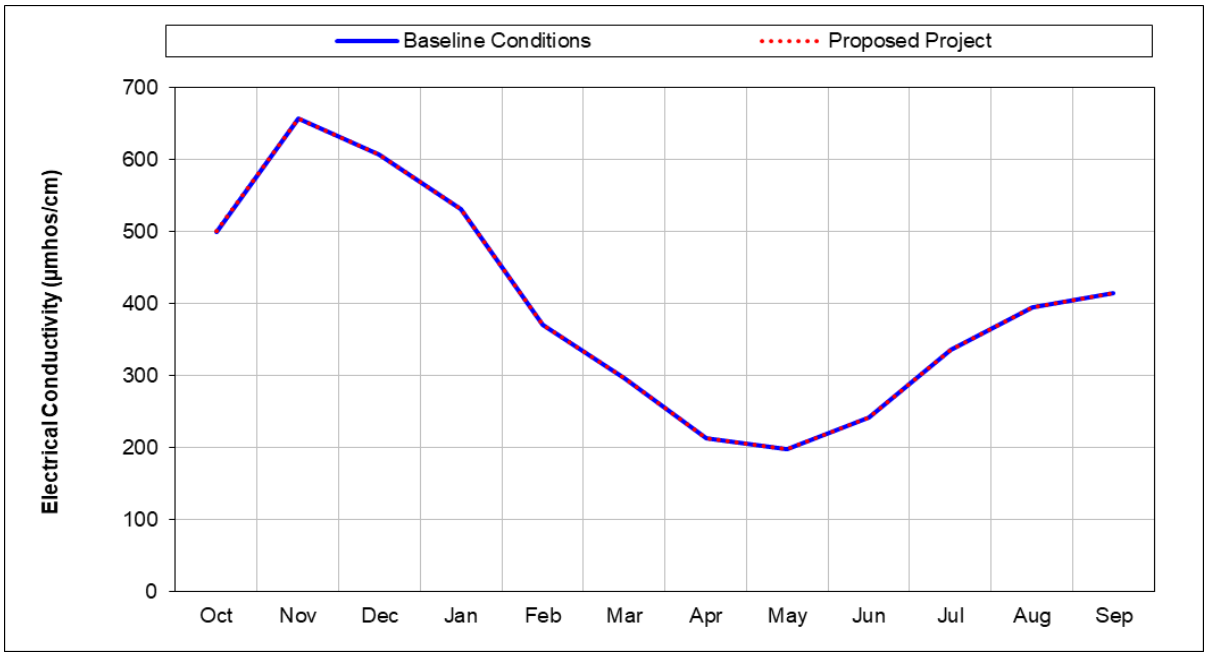


**Figure 5B-8b. San Joaquin River at Vernalis, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

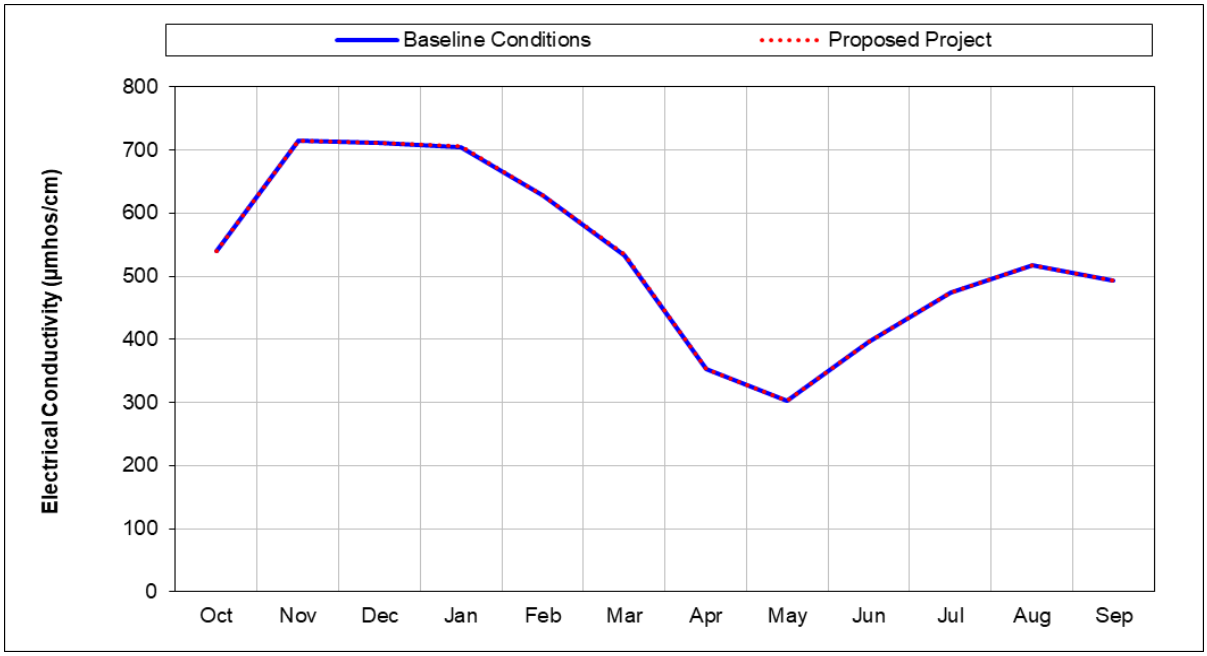


**Figure 5B-8c. San Joaquin River at Vernalis, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

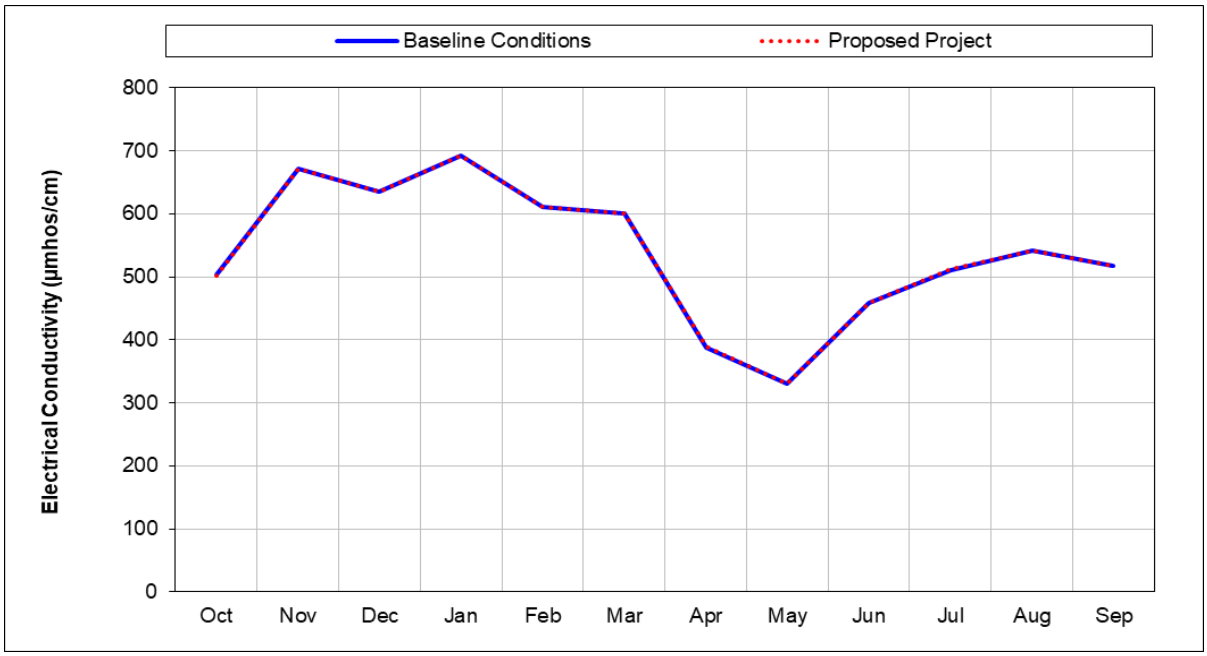


**Figure 5B-8d. San Joaquin River at Vernalis, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

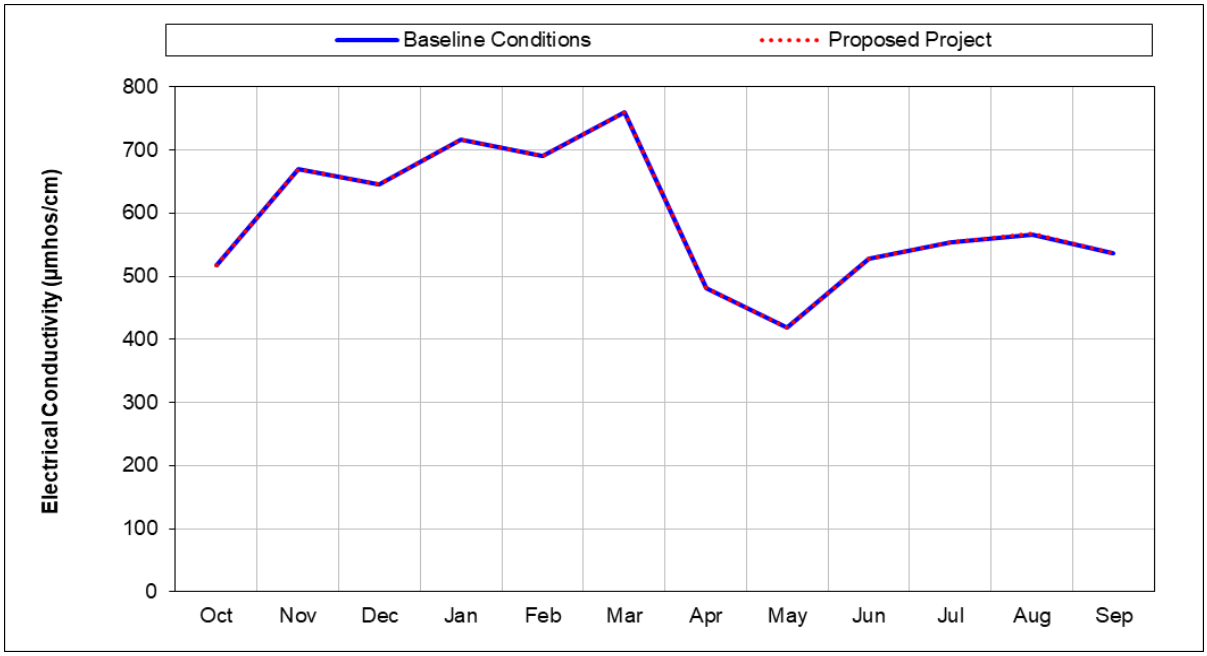


**Figure 5B-8e. San Joaquin River at Vernalis, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

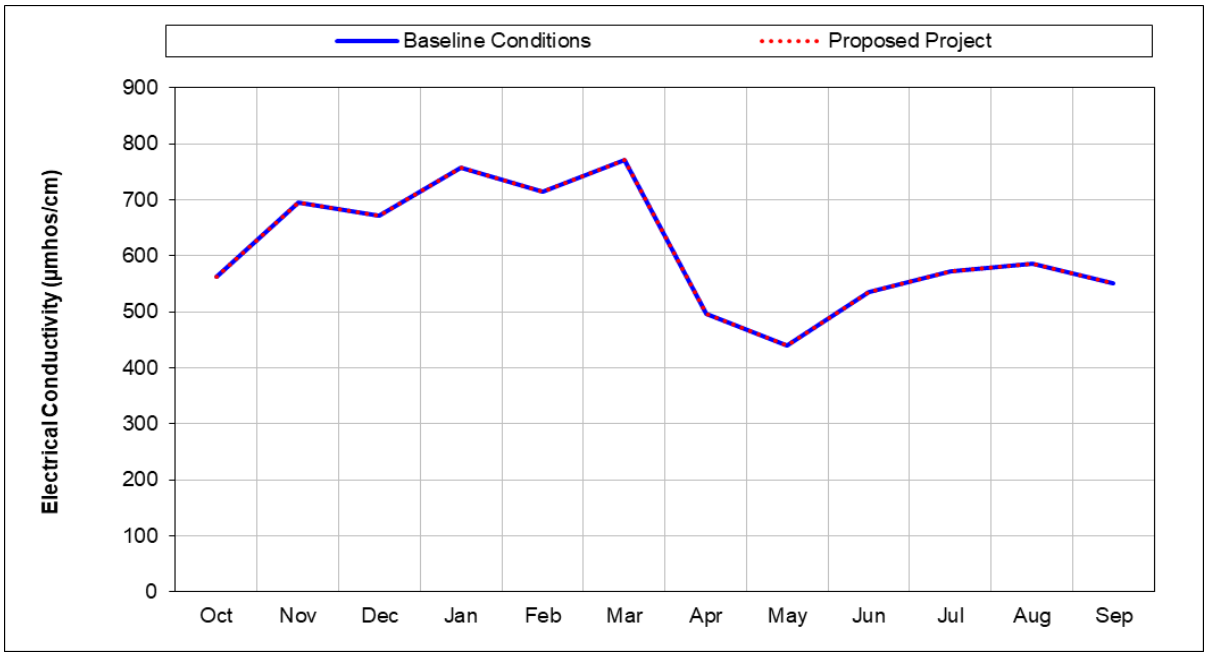


**Figure 5B-8f. San Joaquin River at Vernalis, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

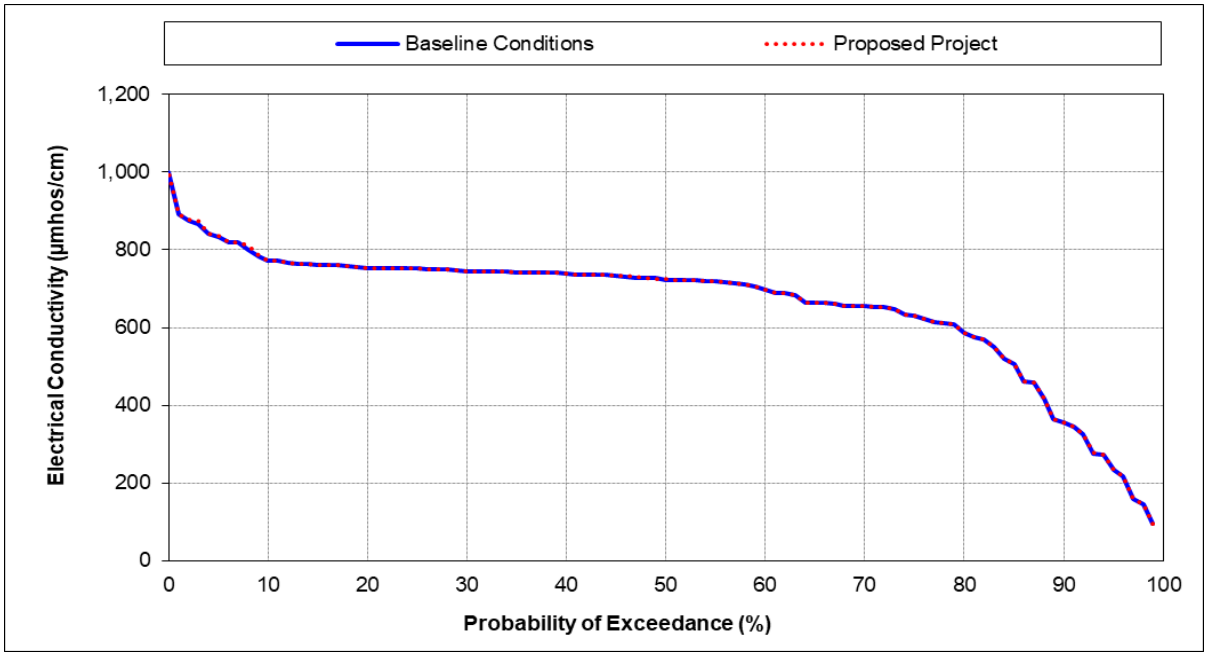


**Figure 5B-8g. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), January**

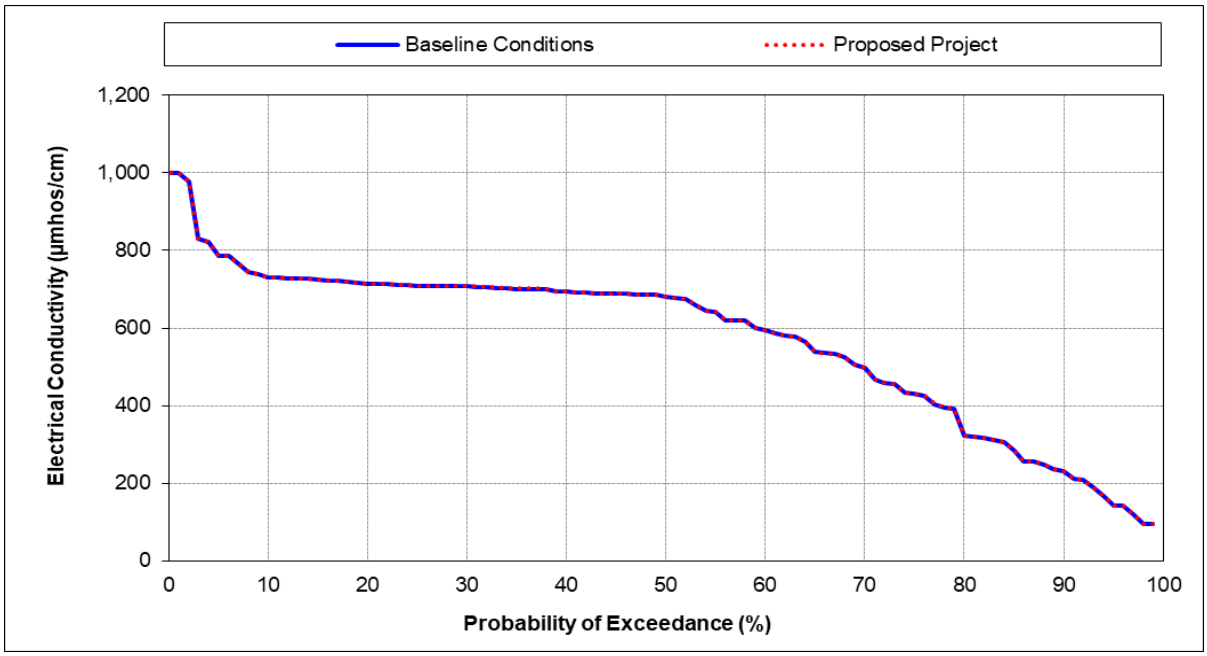


**Figure 5B-8h. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), February**

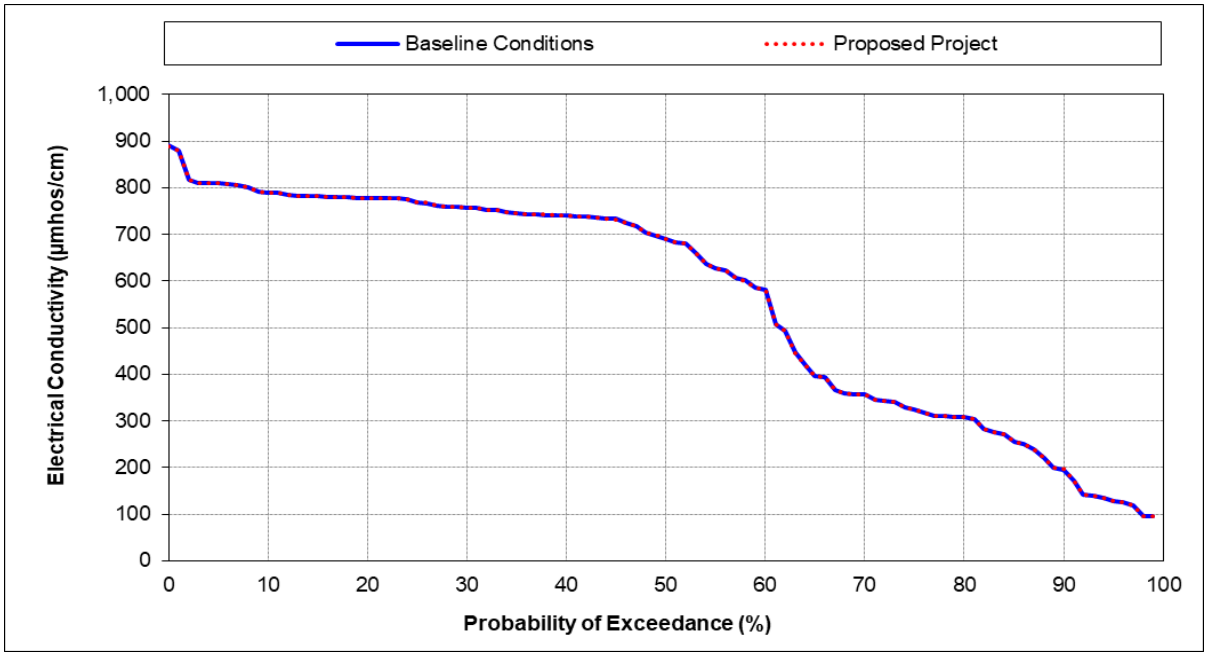


**Figure 5B-8i. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), March**

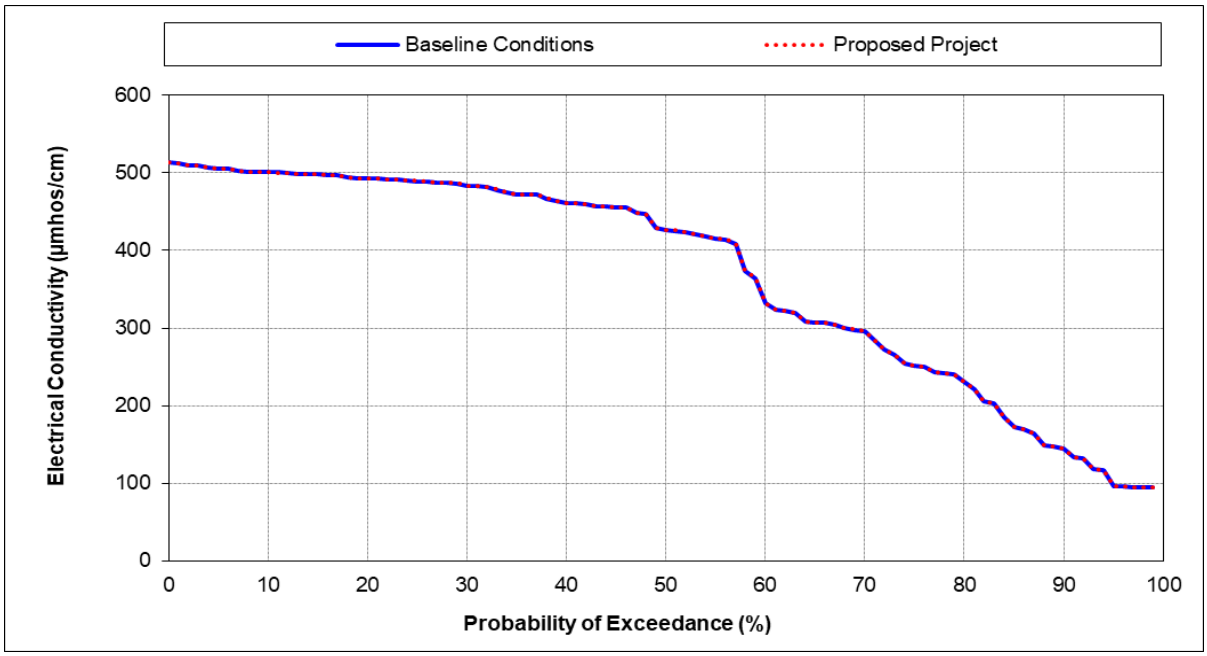


**Figure 5B-8j. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), April**

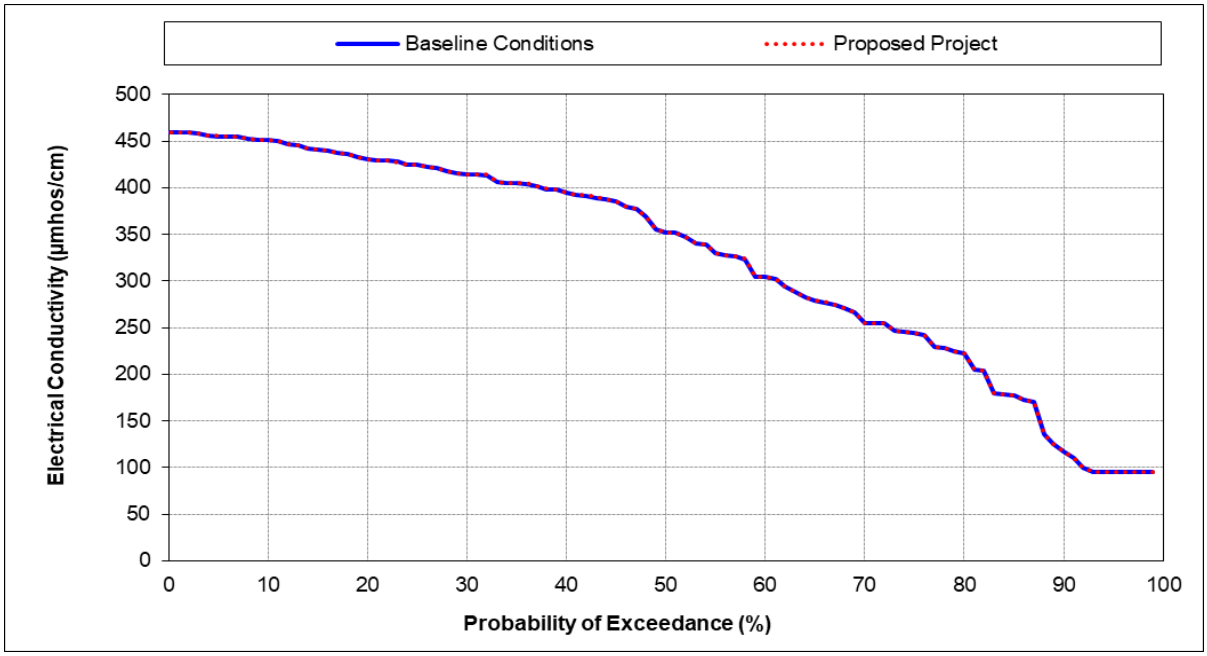


**Figure 5B-8k. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), May**

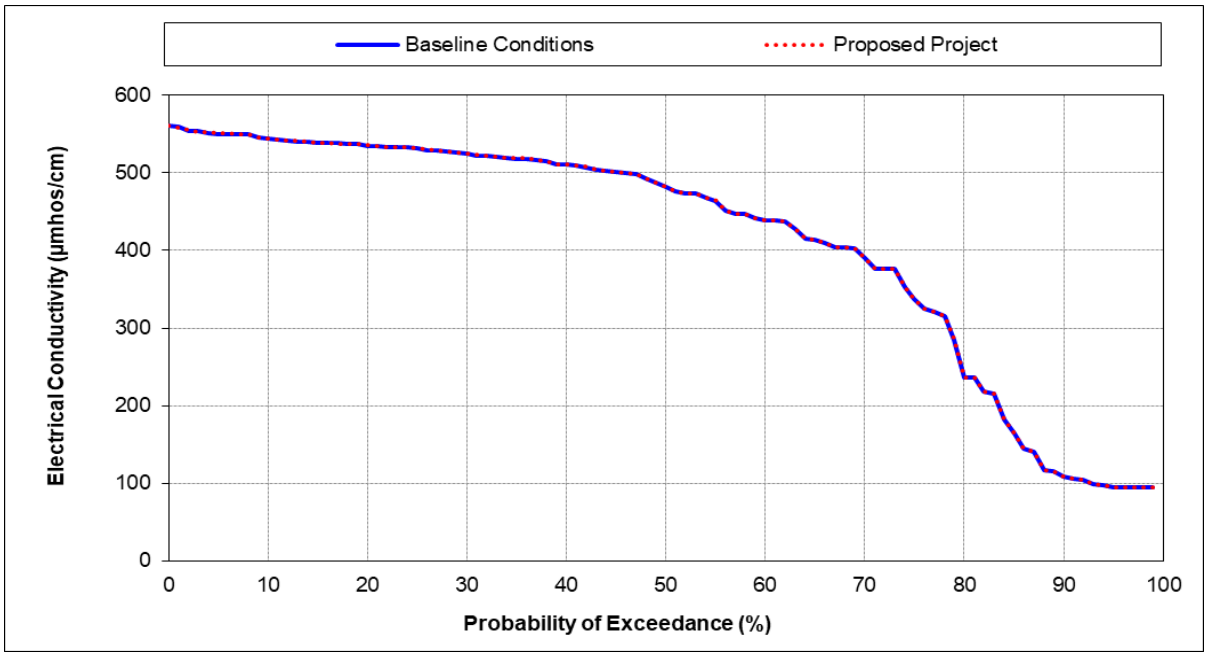


**Figure 5B-8l. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), June**

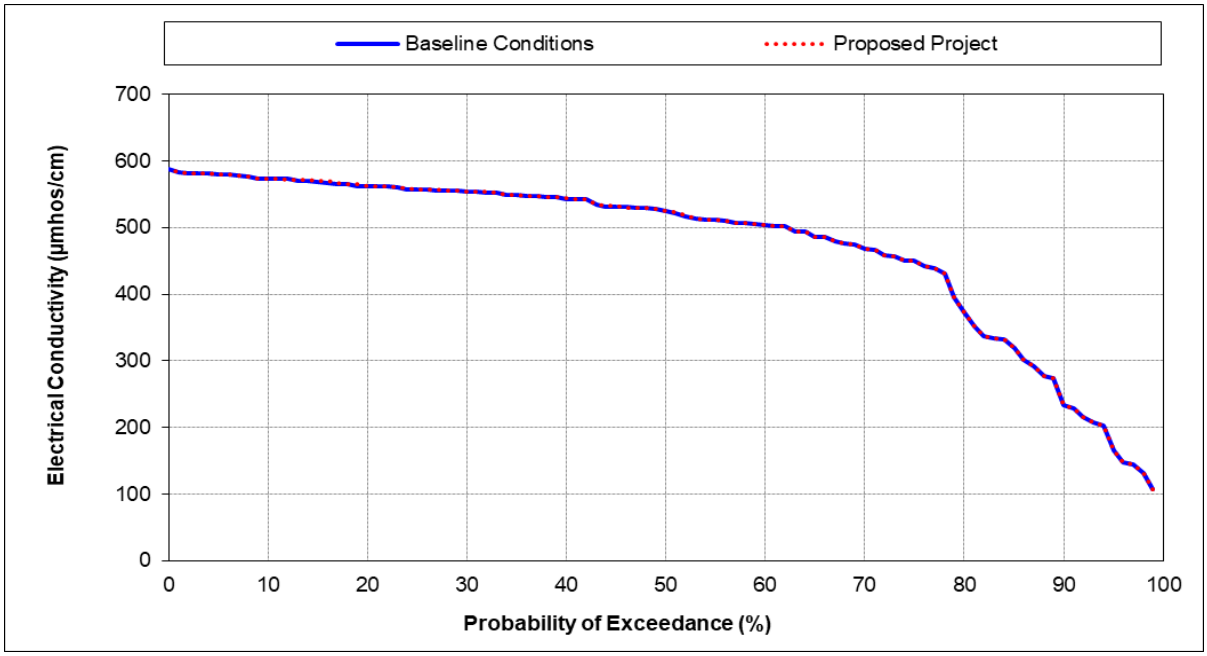


**Figure 5B-8m. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), July**

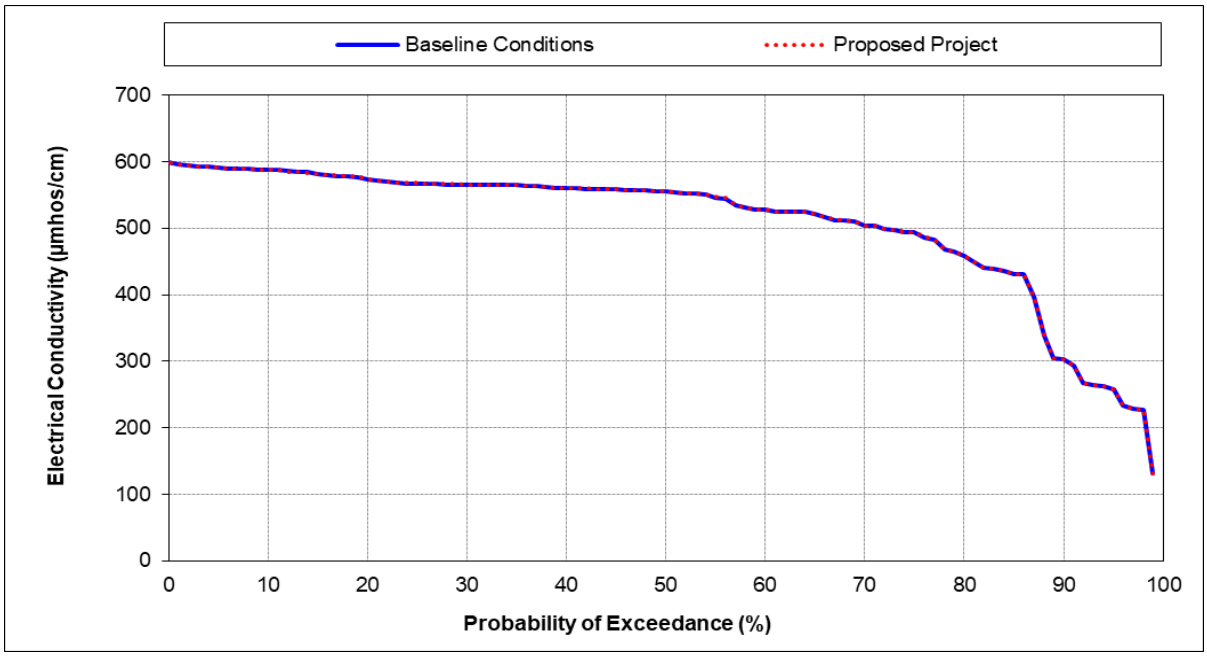


**Figure 5B-8n. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), August**

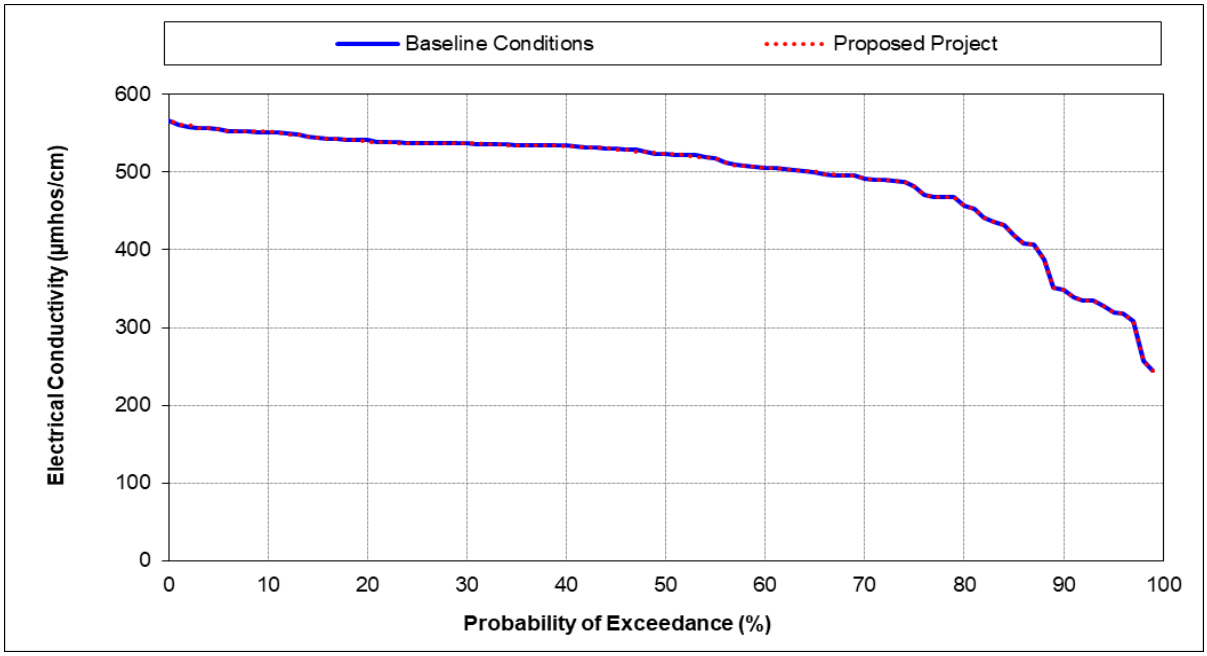


**Figure 5B-8o. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), September**

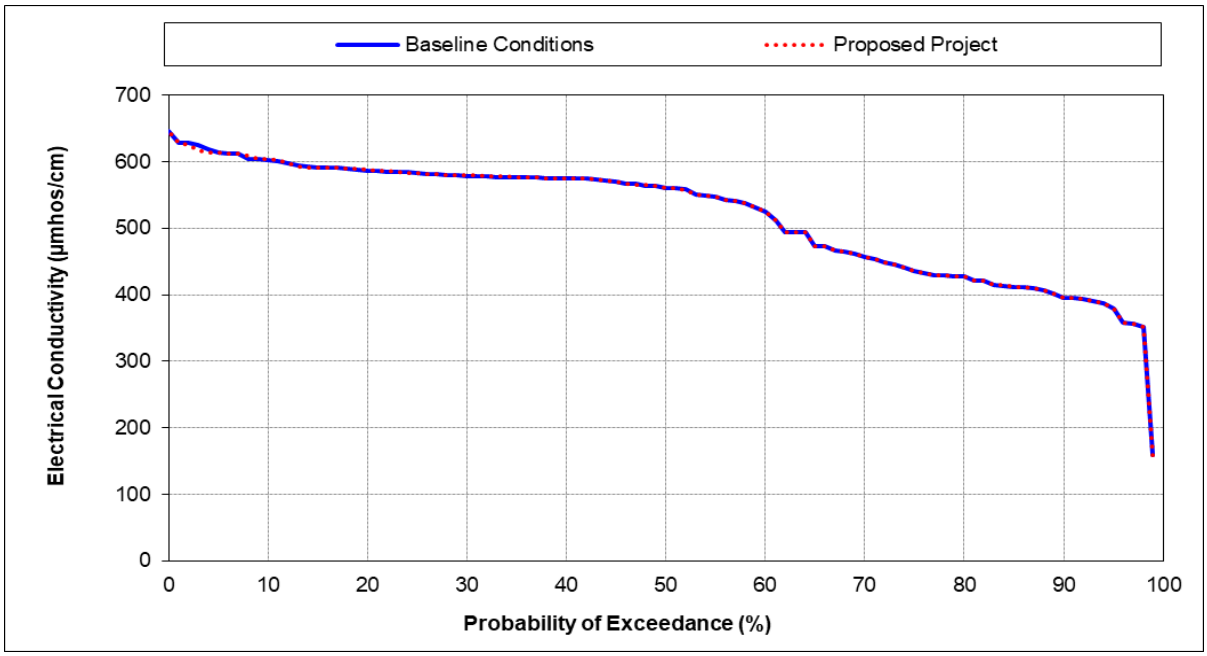


**Figure 5B-8p. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), October**

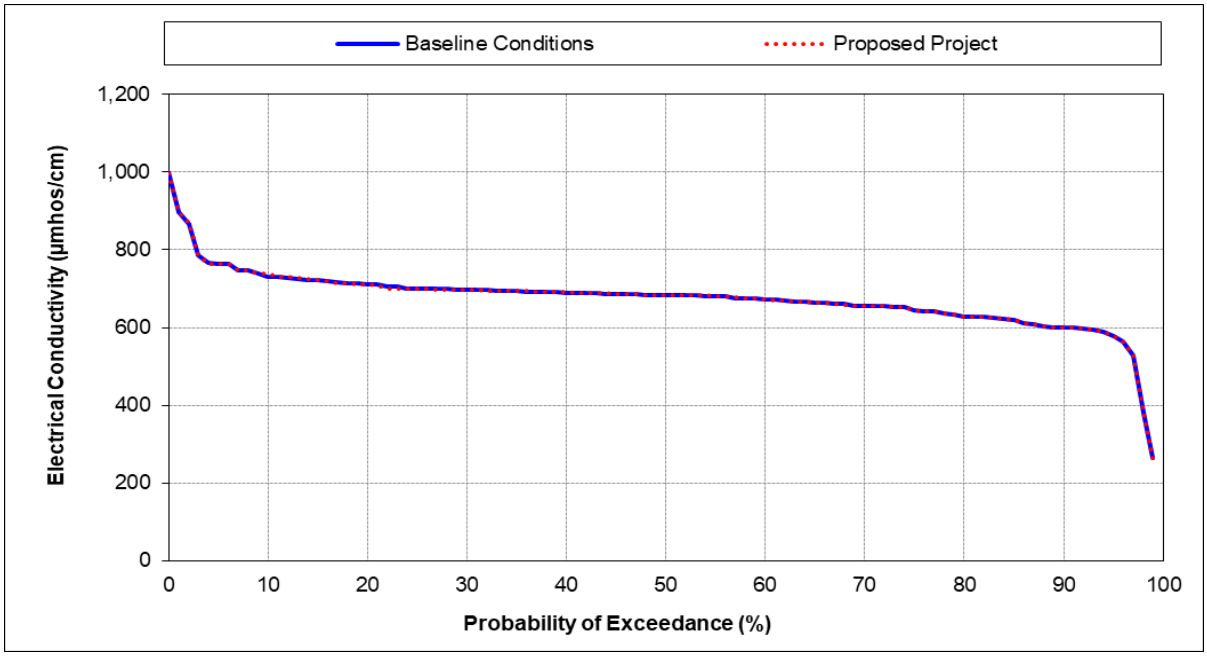


**Figure 5B-8q. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), November**

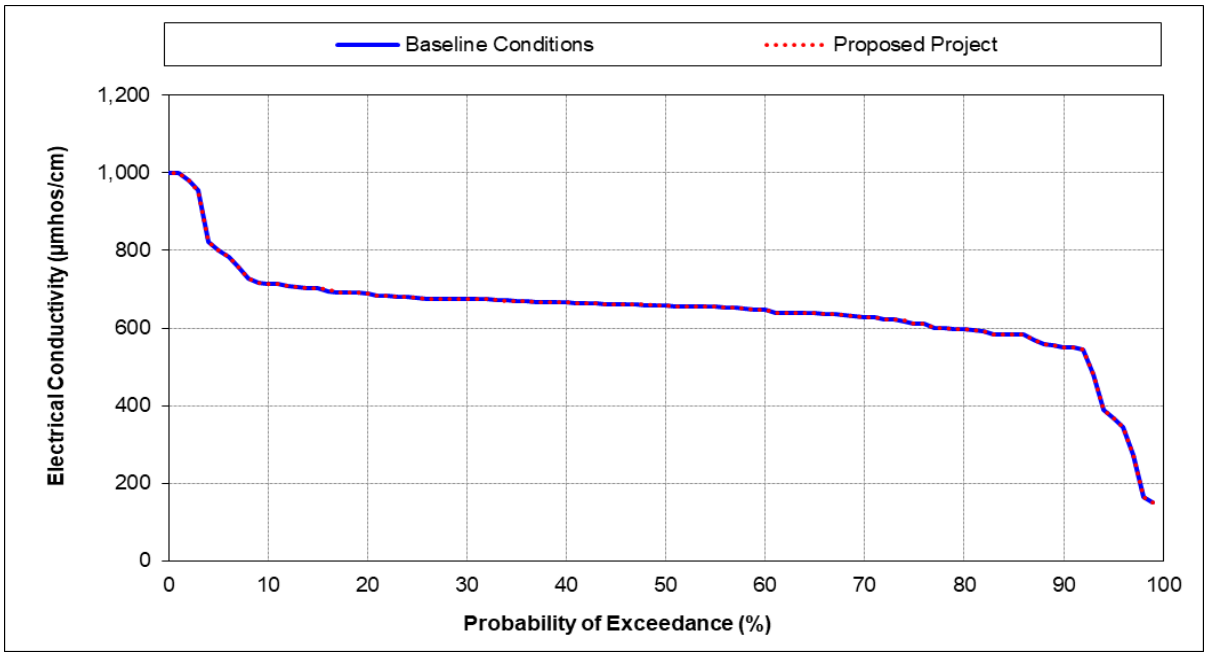


**Figure 5B-8r. San Joaquin River at Vernalis, Monthly Average Electrical Conductivity (in micromhos per centimeter), December**

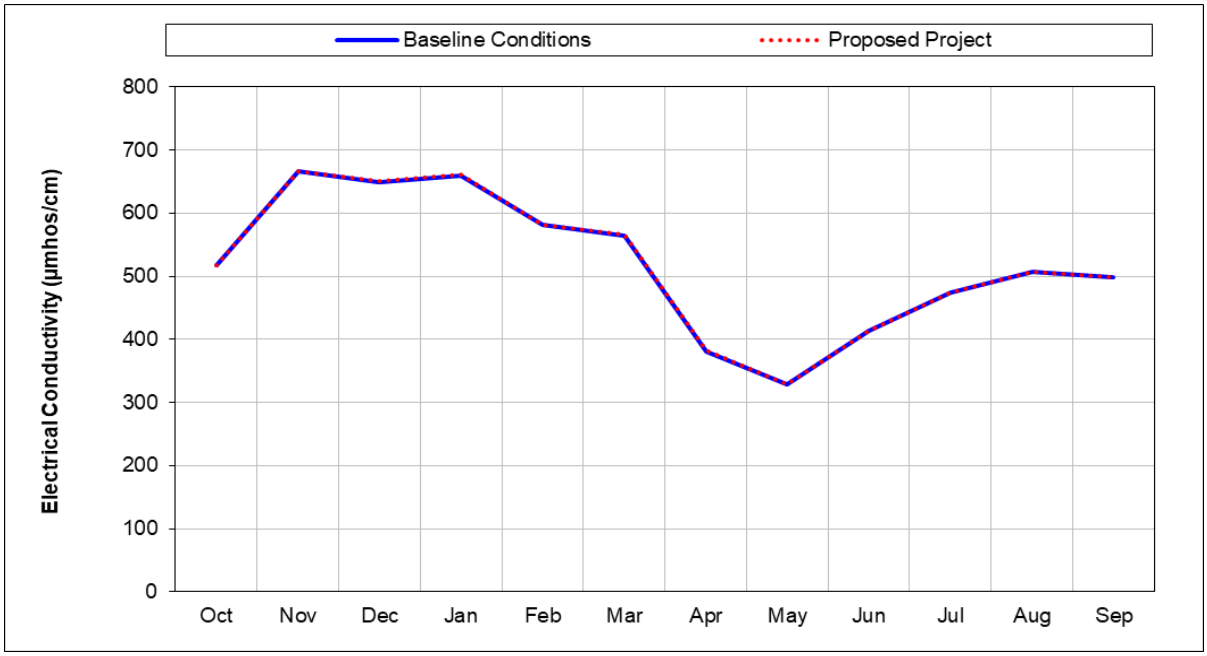


**Figure 5B-9a. San Joaquin River at Brandt Bridge, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)**

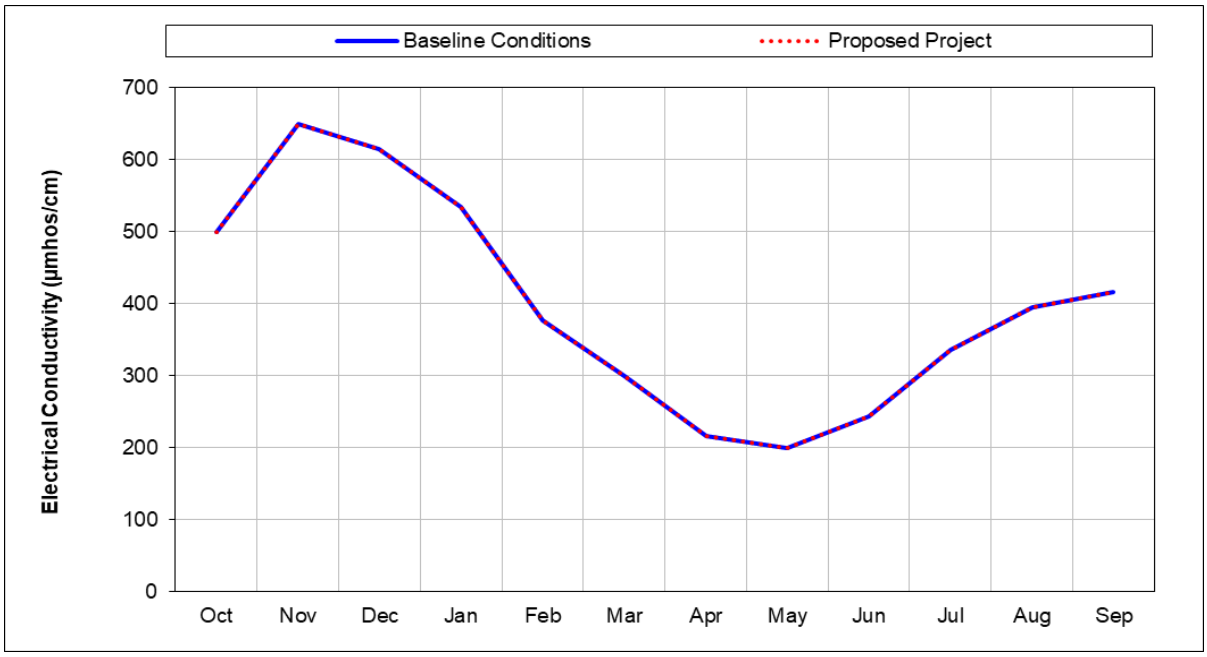


**Figure 5B-9b. San Joaquin River at Brandt Bridge, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

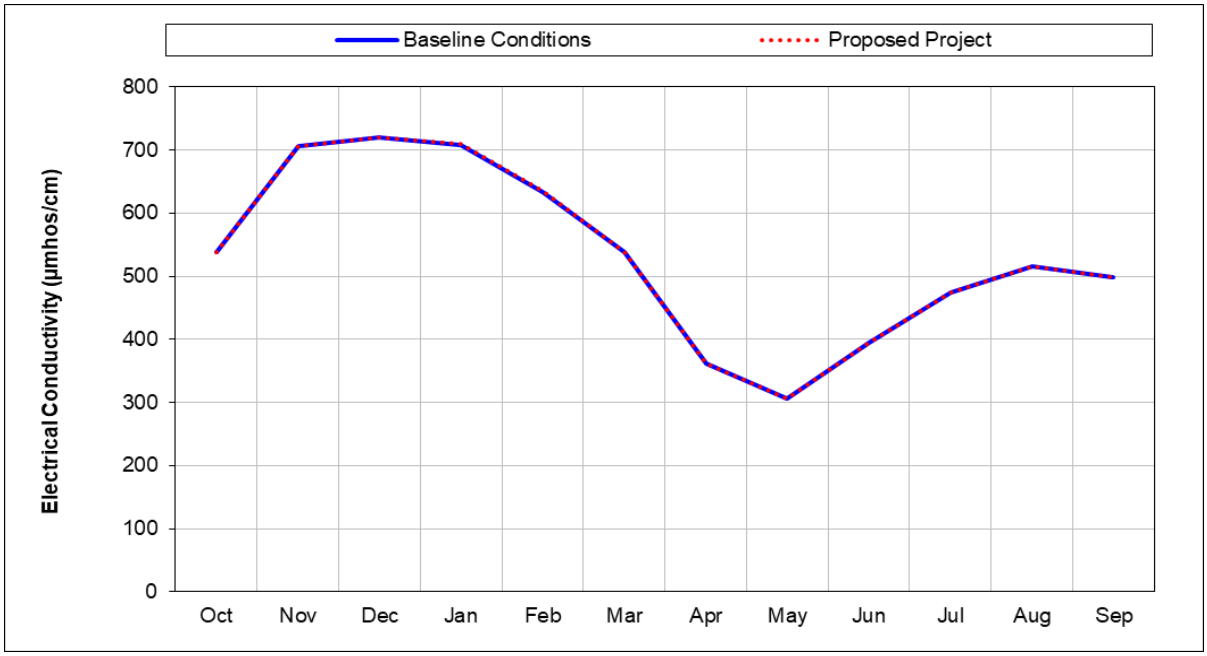


**Figure 5B-9c. San Joaquin River at Brandt Bridge, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

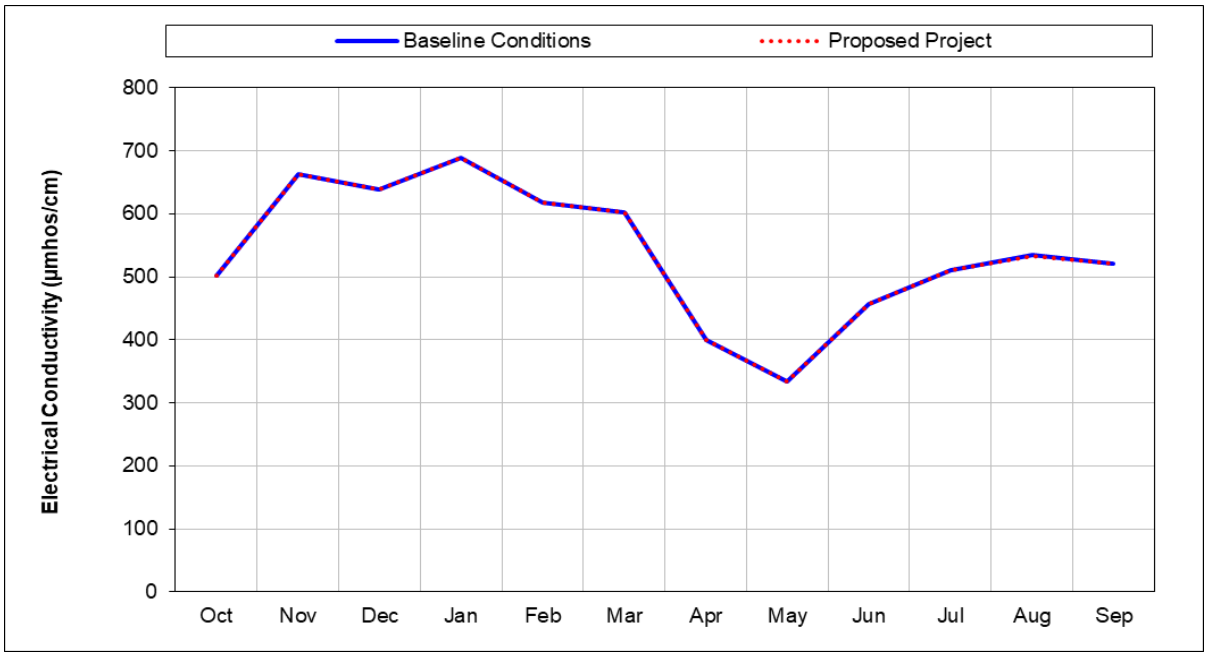


**Figure 5B-9d. San Joaquin River at Brandt Bridge, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

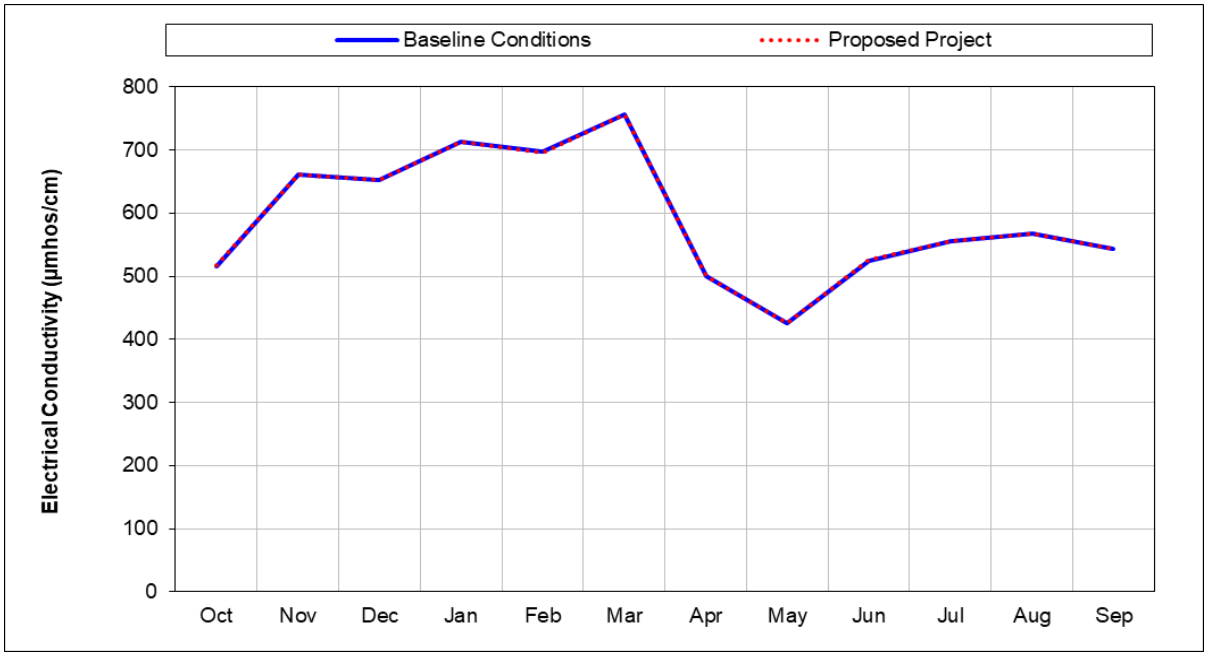


**Figure 5B-9e. San Joaquin River at Brandt Bridge, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

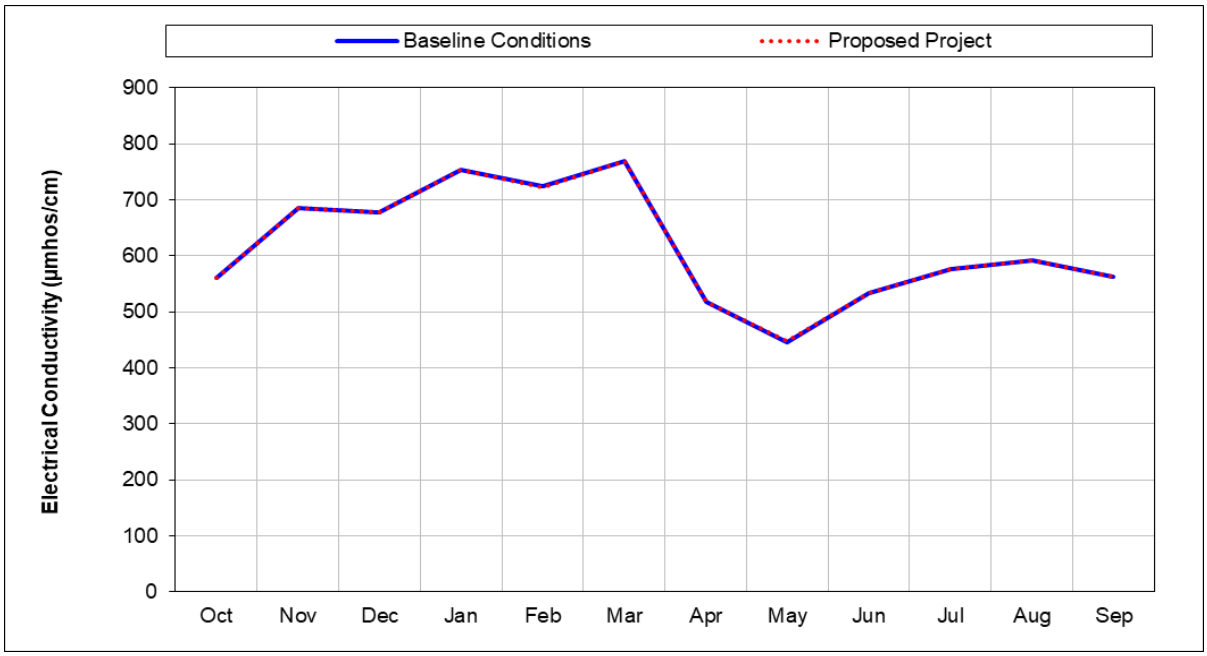


**Figure 5B-9f. San Joaquin River at Brandt Bridge, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

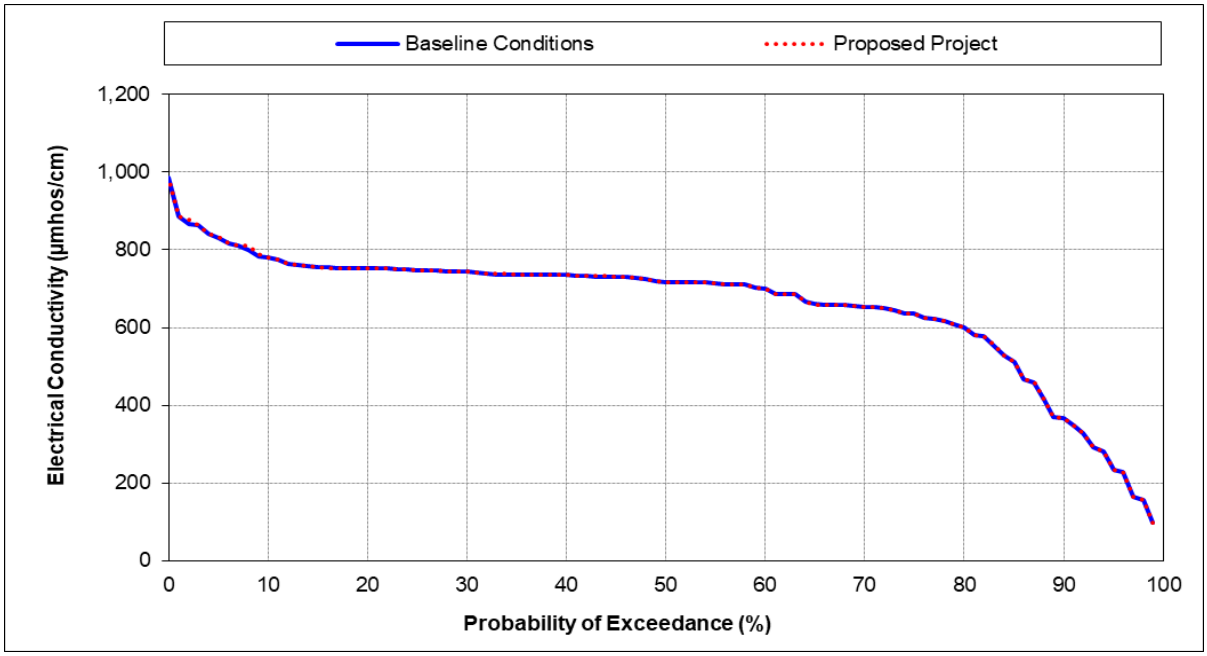


**Figure 5B-9g. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), January**

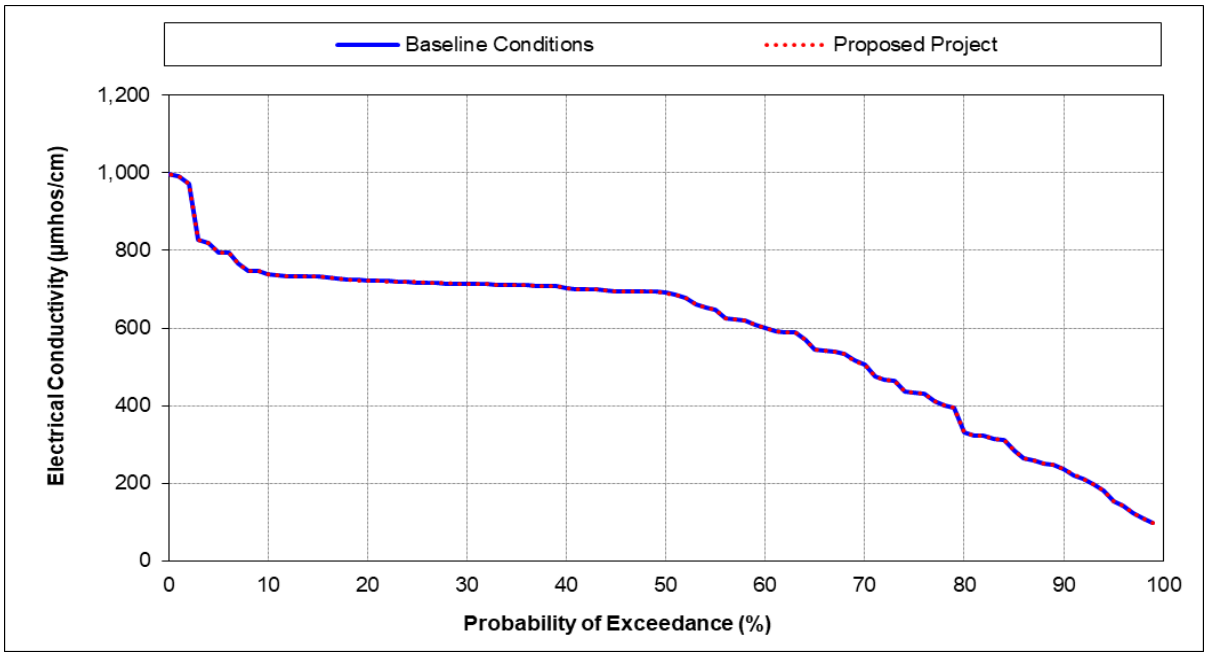


**Figure 5B-9h. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), February**

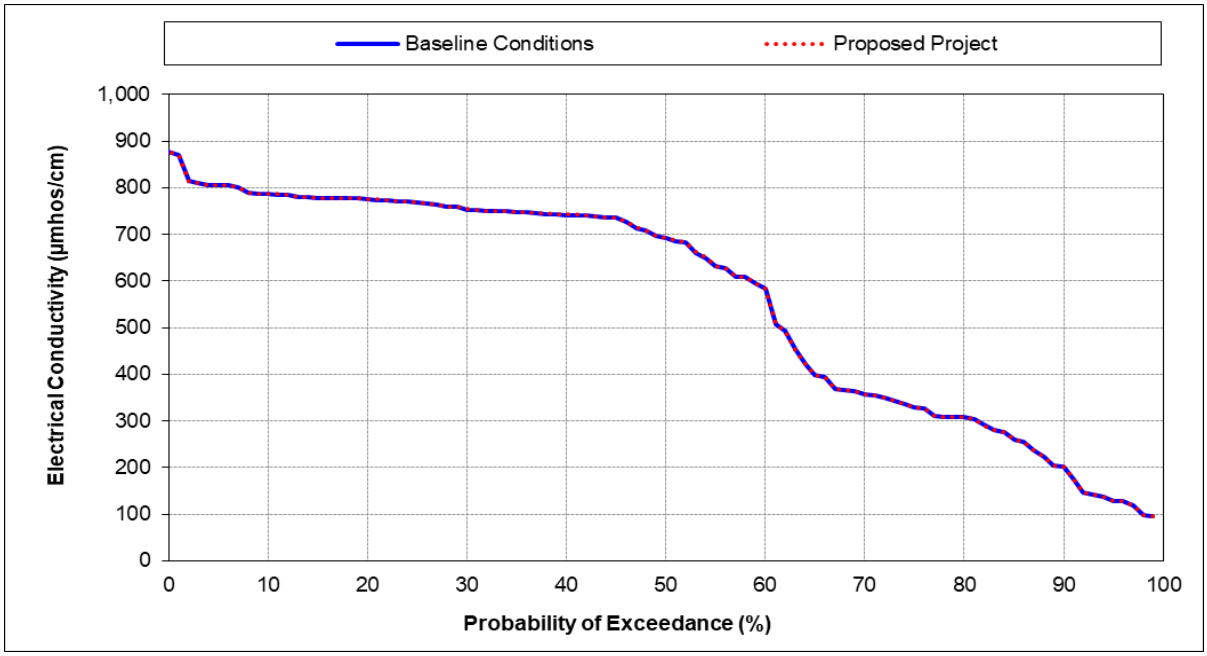


**Figure 5B-9i. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), March**

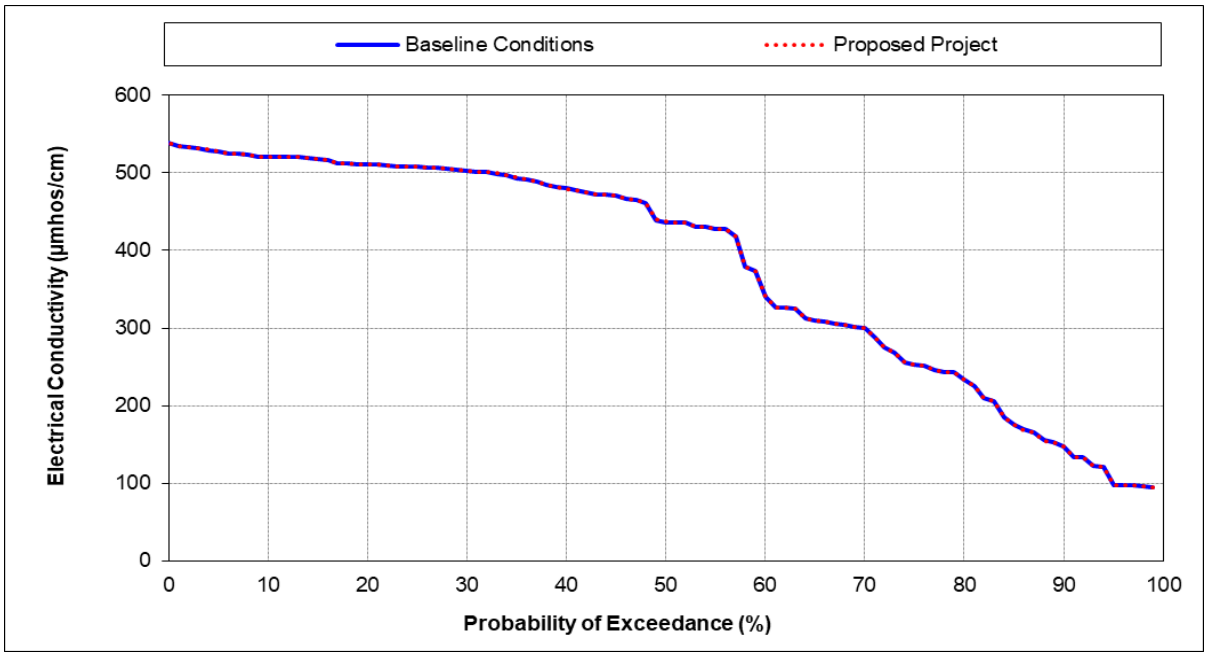


**Figure 5B-9j. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), April**

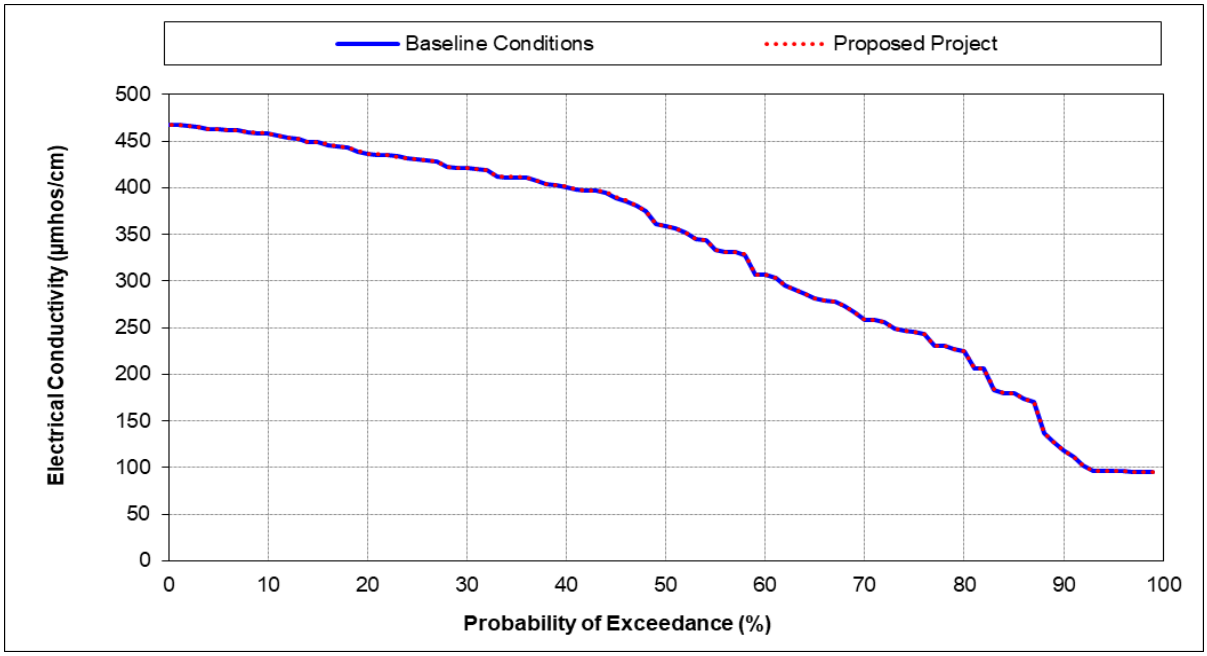


**Figure 5B-9k. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), May**

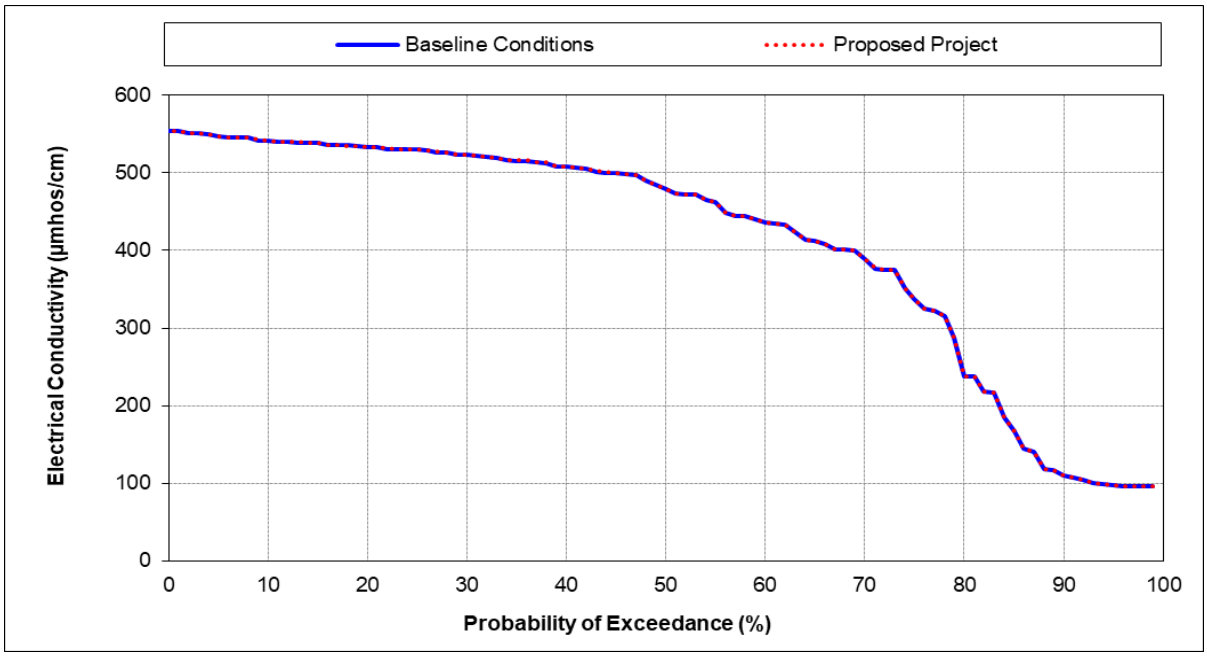


**Figure 5B-9l. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), June**

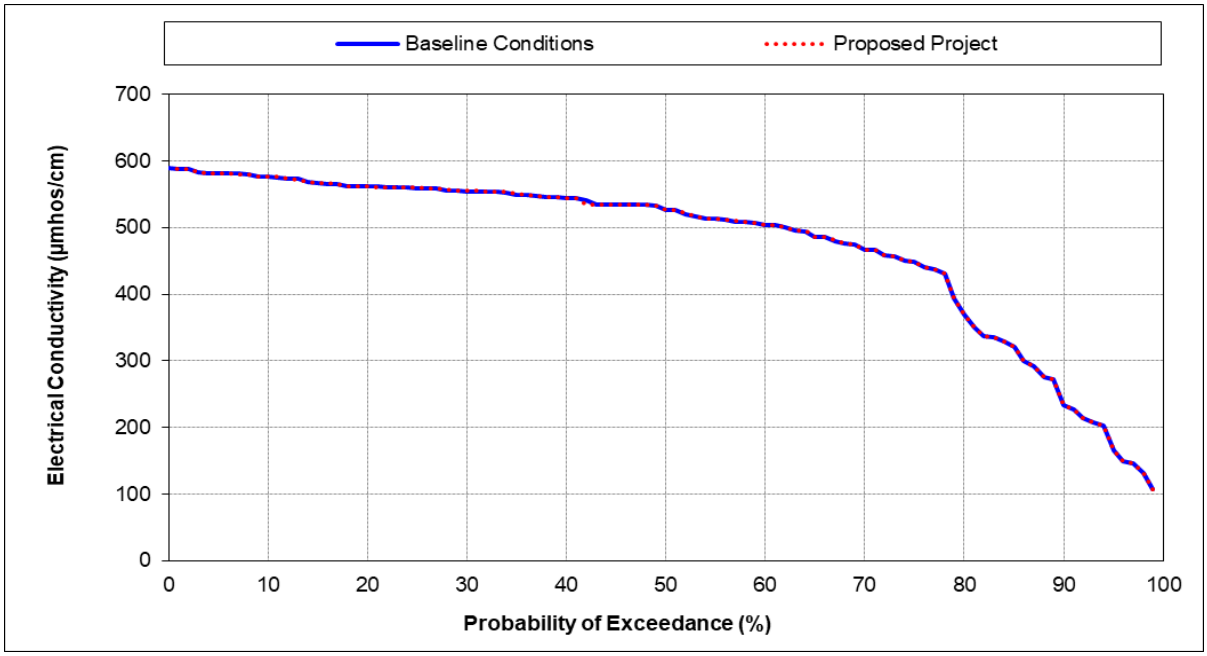


**Figure 5B-9m. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), July**

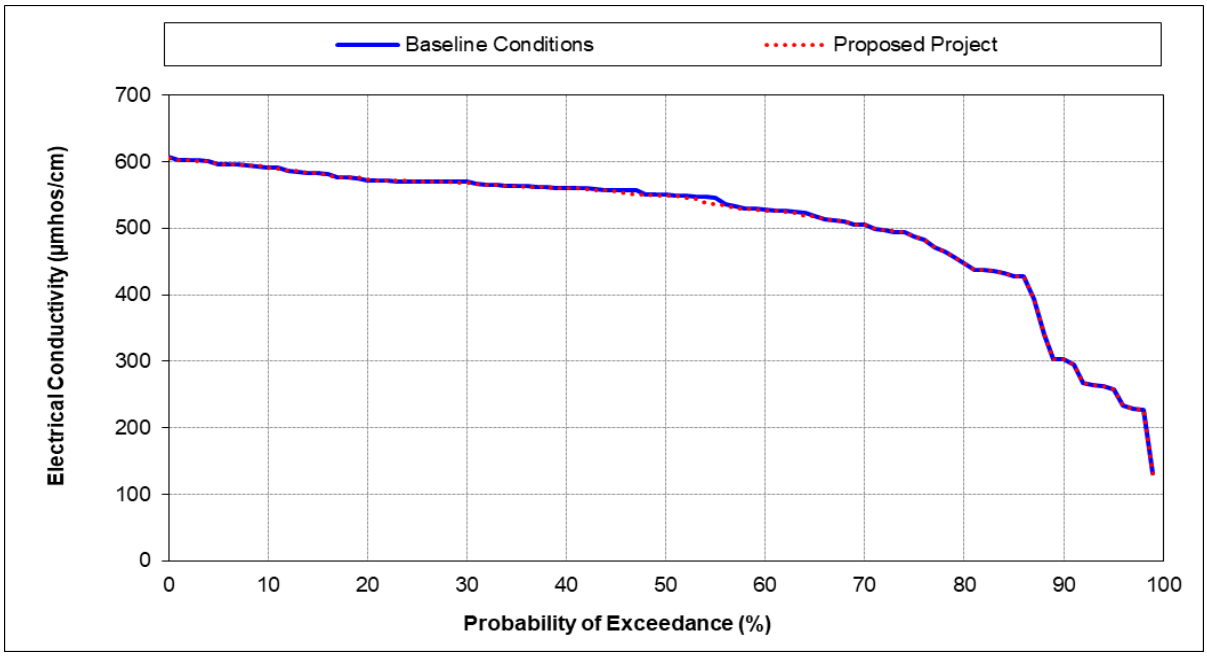


**Figure 5B-9n. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), August**

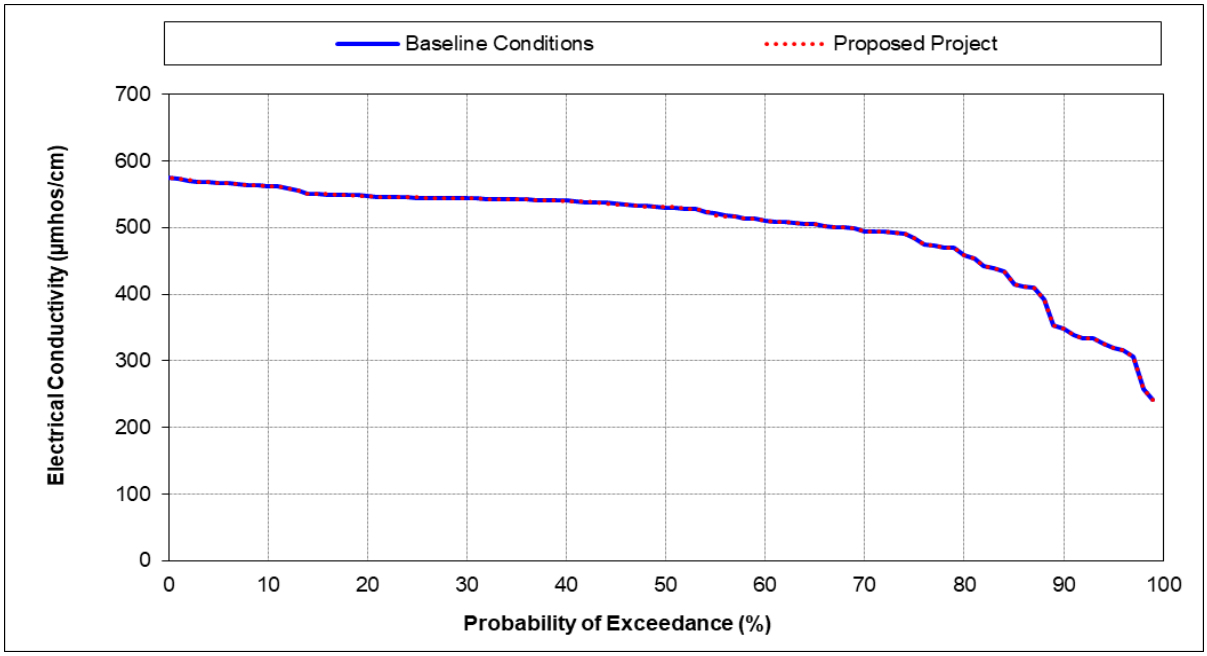


**Figure 5B-9o. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), September**

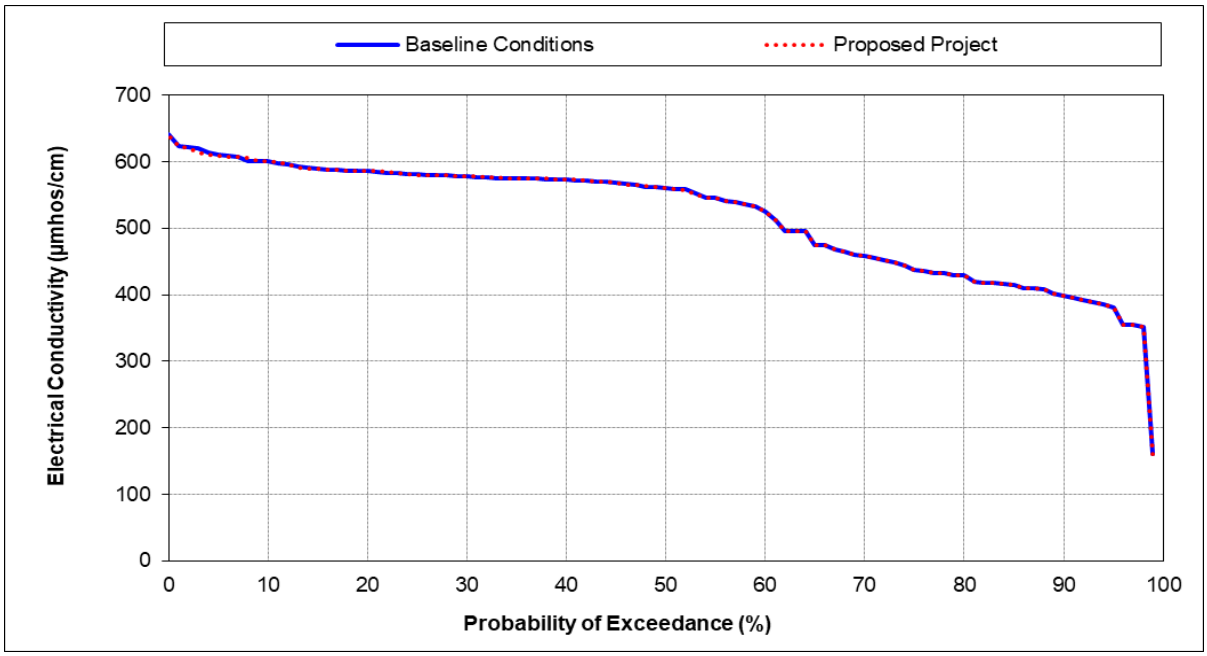


**Figure 5B-9p. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), October**

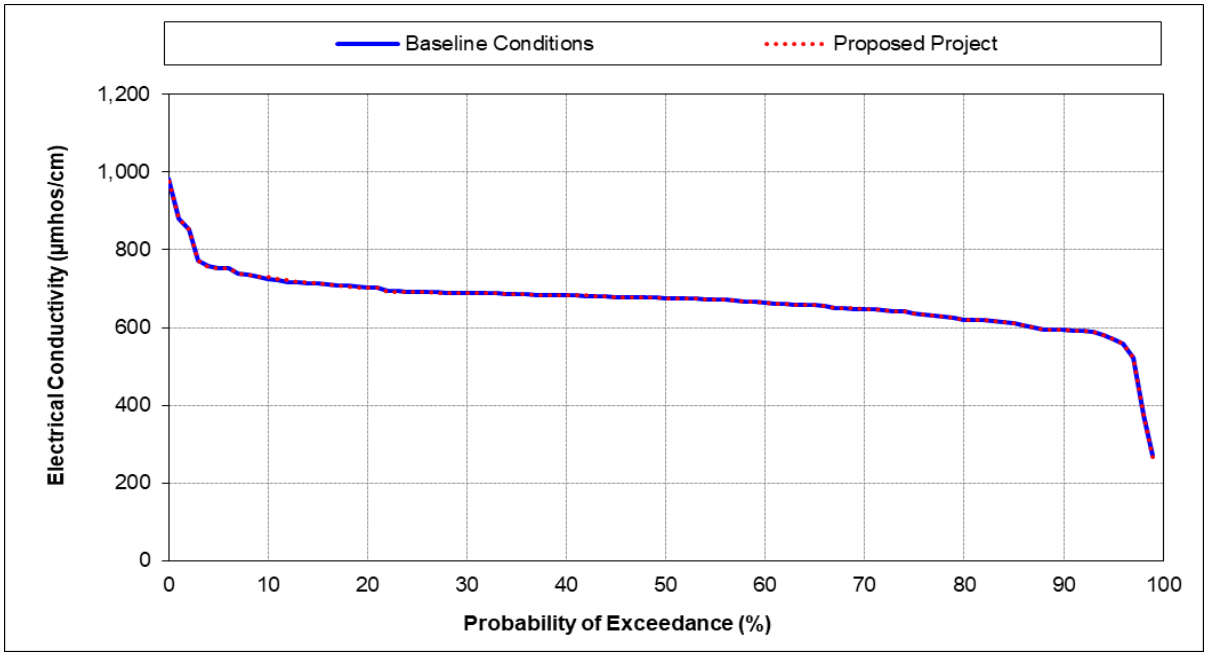


**Figure 5B-9q. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), November**

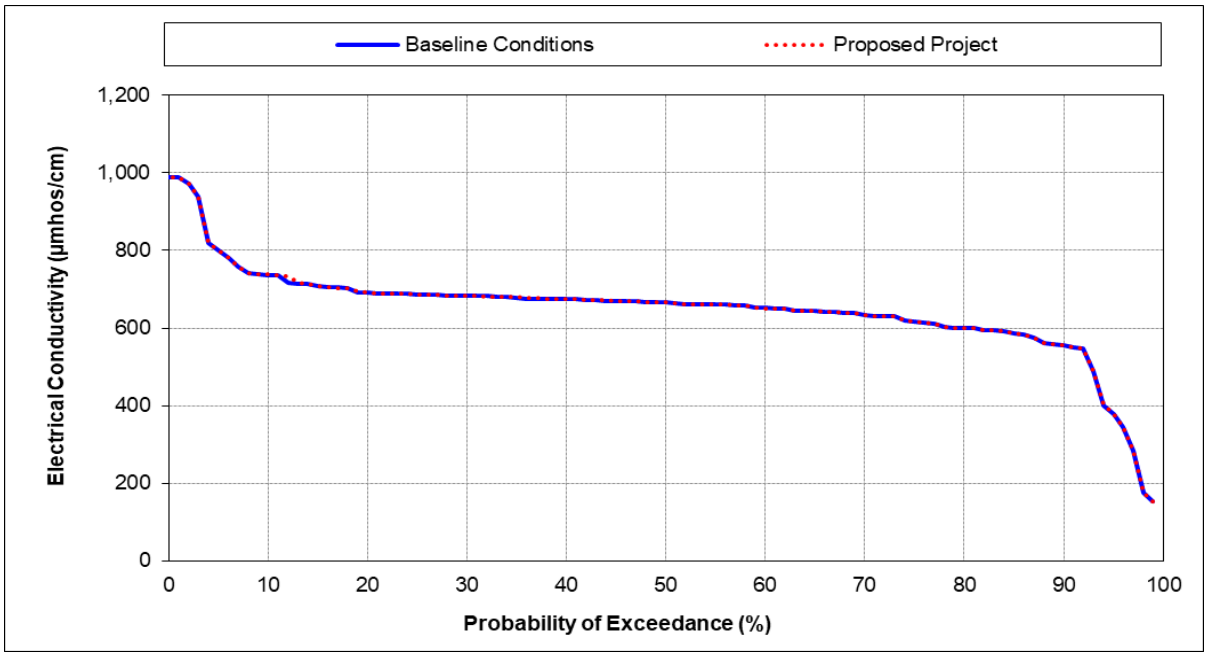


**Figure 5B-9r. San Joaquin River at Brandt Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), December**

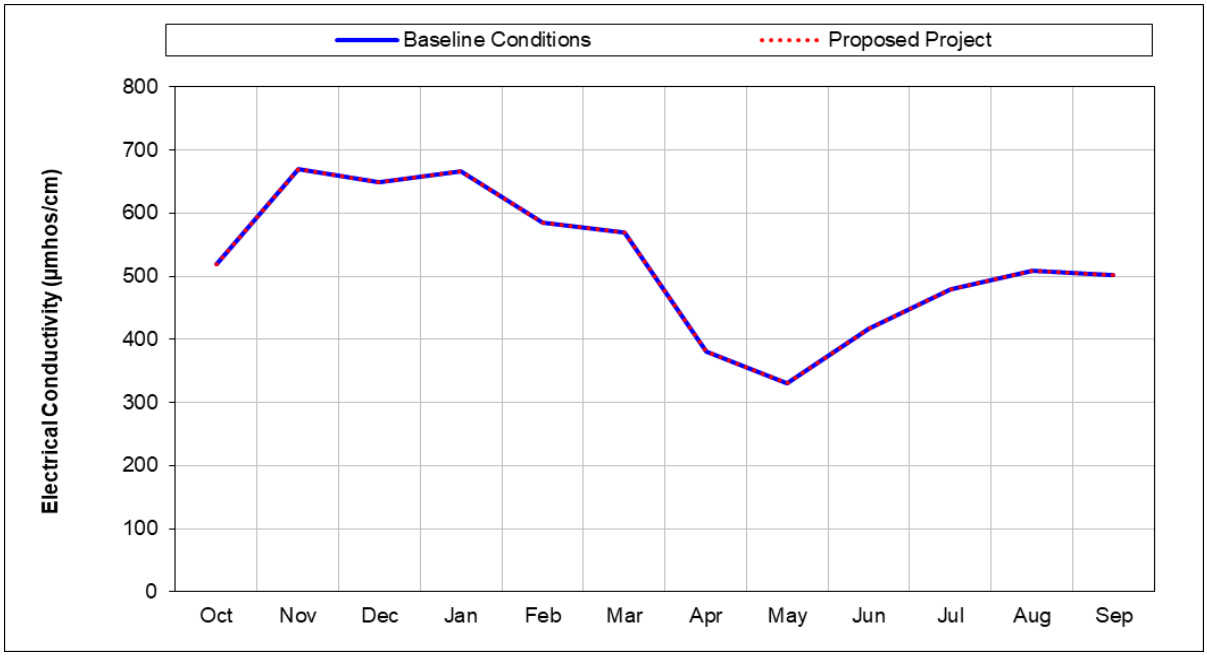


**Figure 5B-10a. Old River near Middle River, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)**

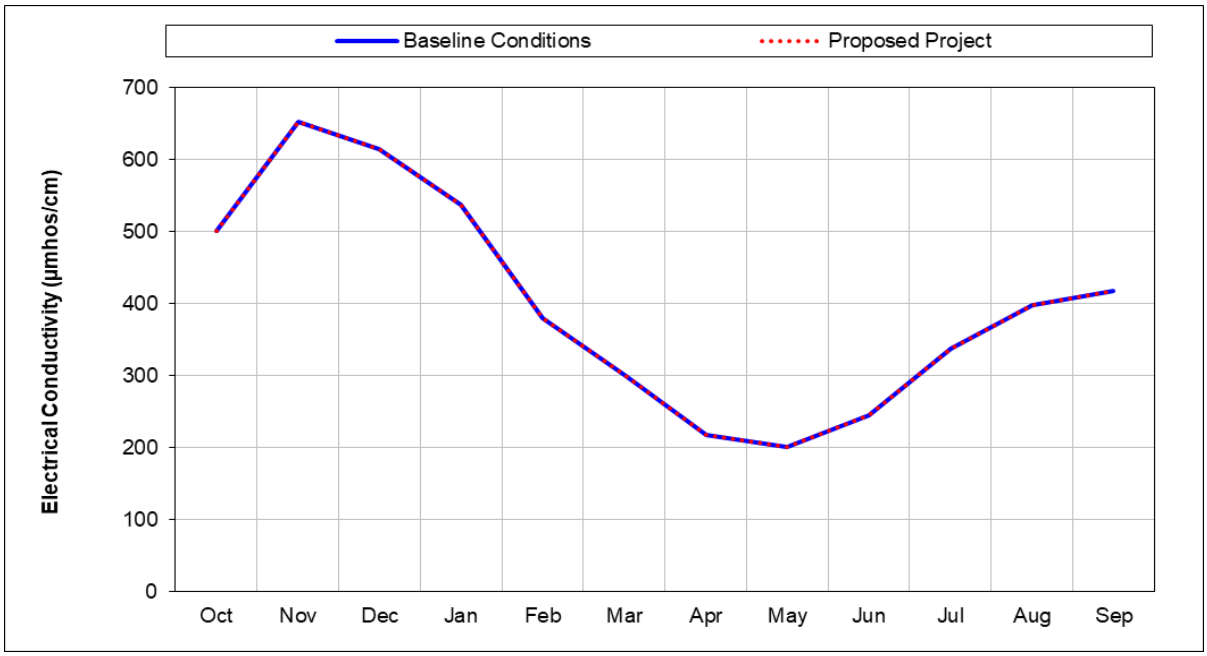


**Figure 5B-10b. Old River near Middle River, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

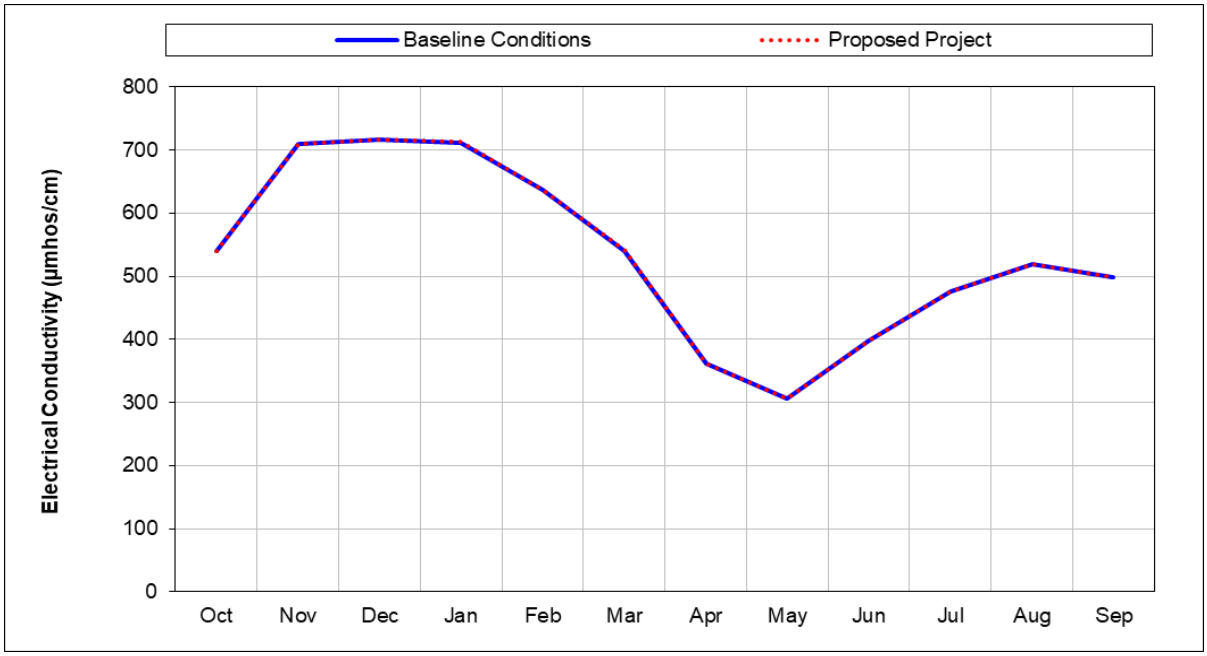


**Figure 5B-10c. Old River near Middle River, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

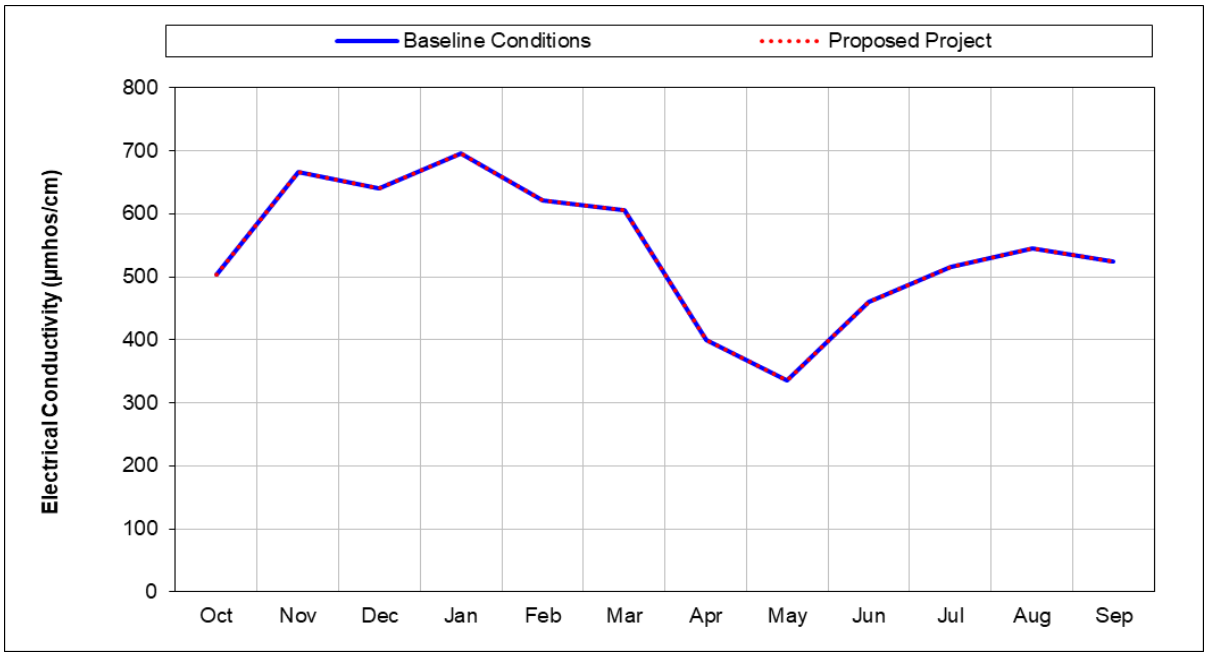


**Figure 5B-10d. Old River near Middle River, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

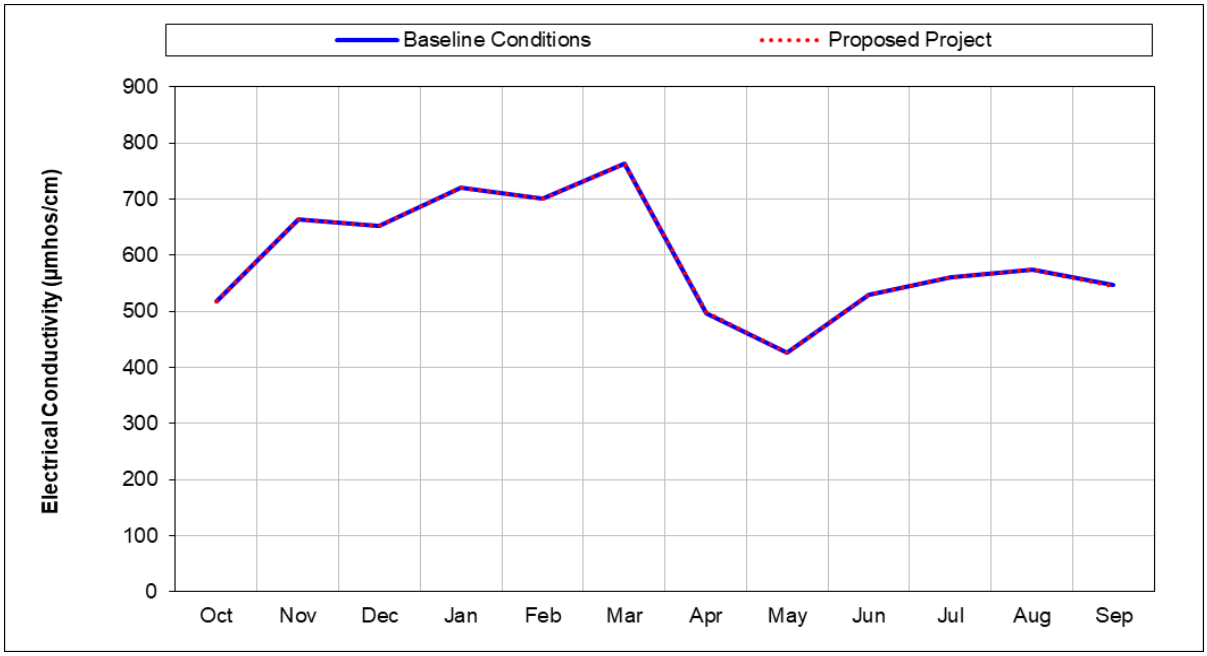


**Figure 5B-10e. Old River near Middle River, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

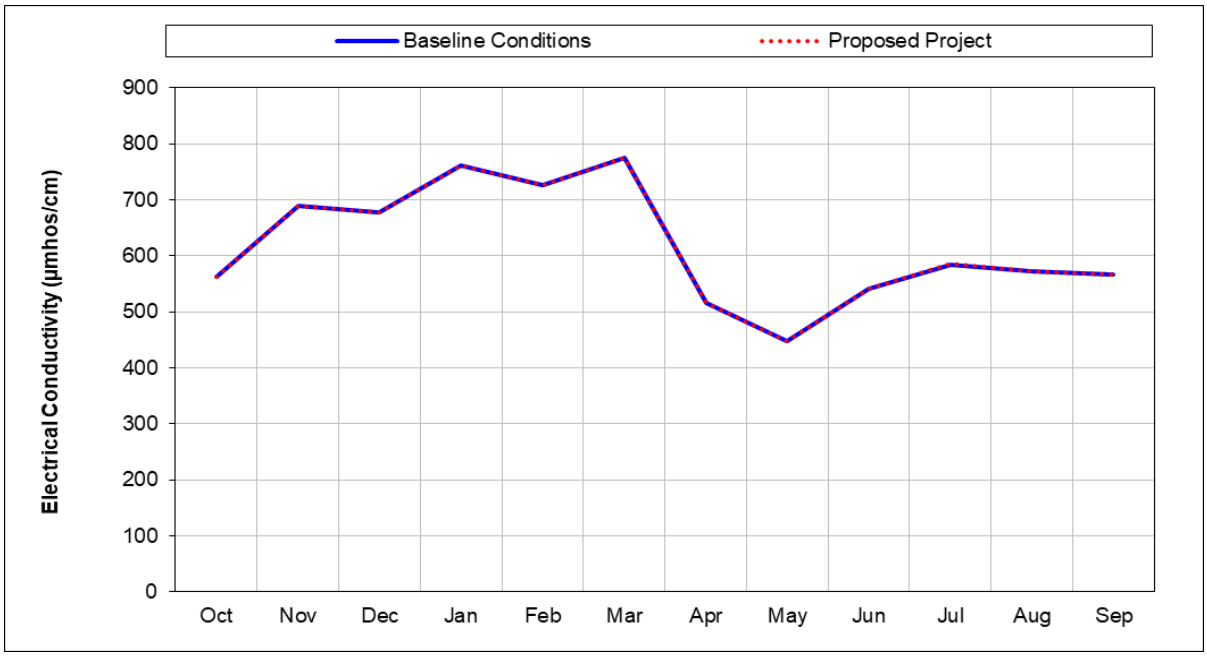


**Figure 5B-10f. Old River near Middle River, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

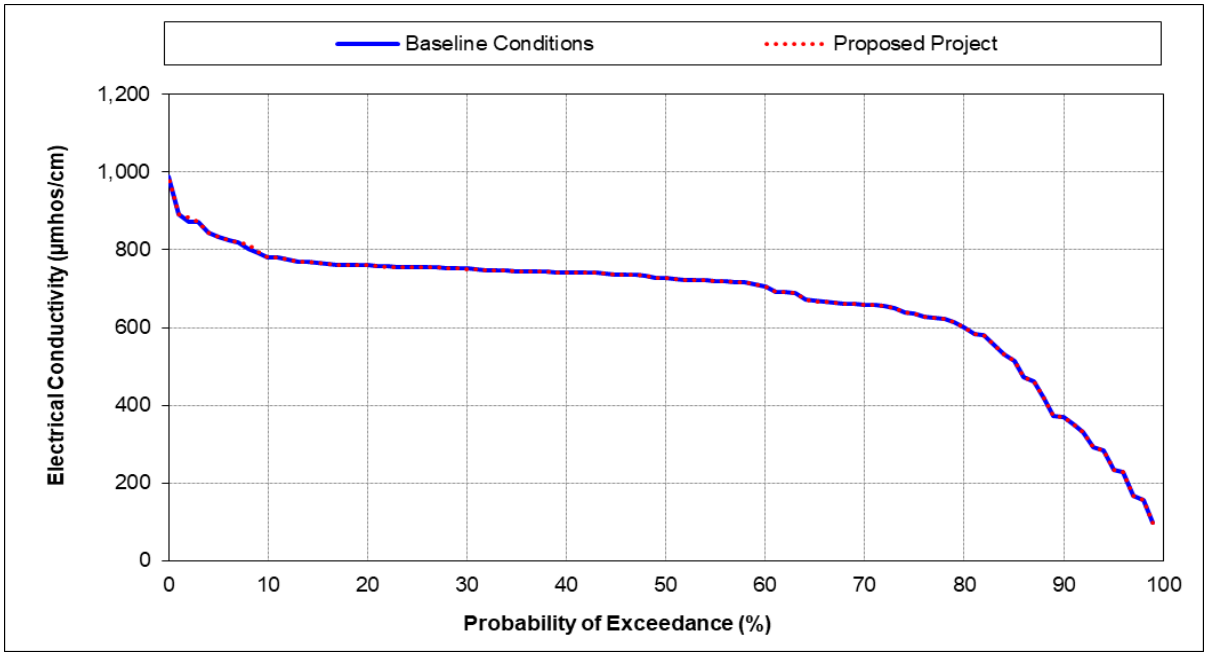


**Figure 5B-10g. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), January**

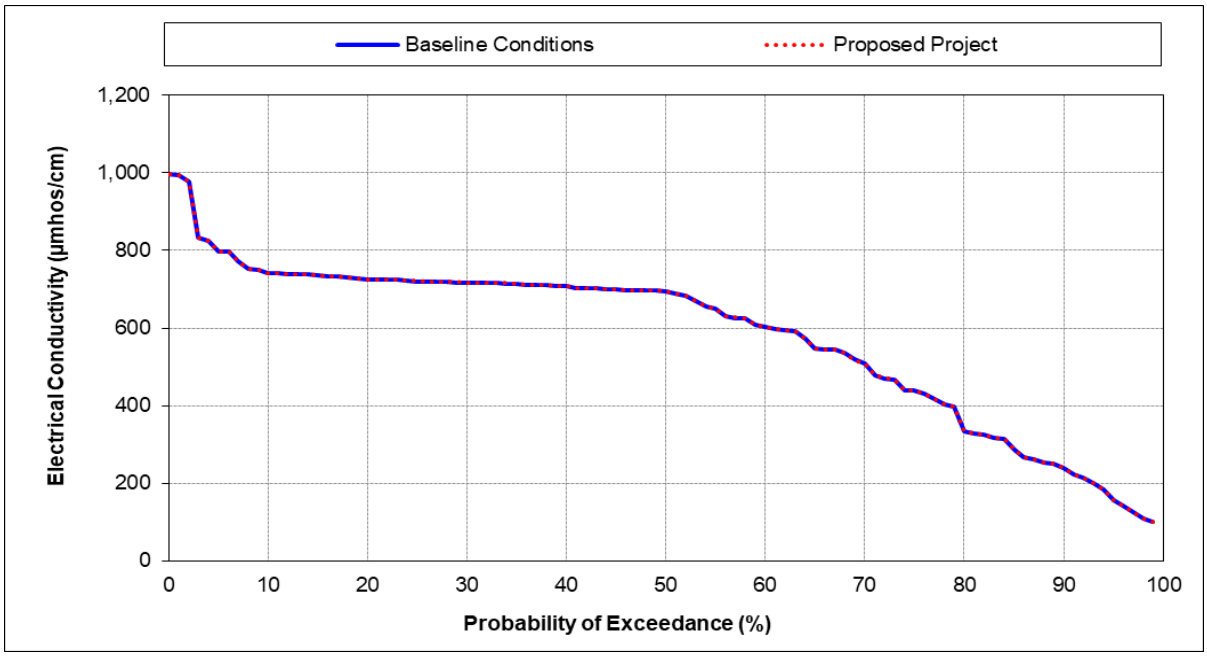


**Figure 5B-10h. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), February**

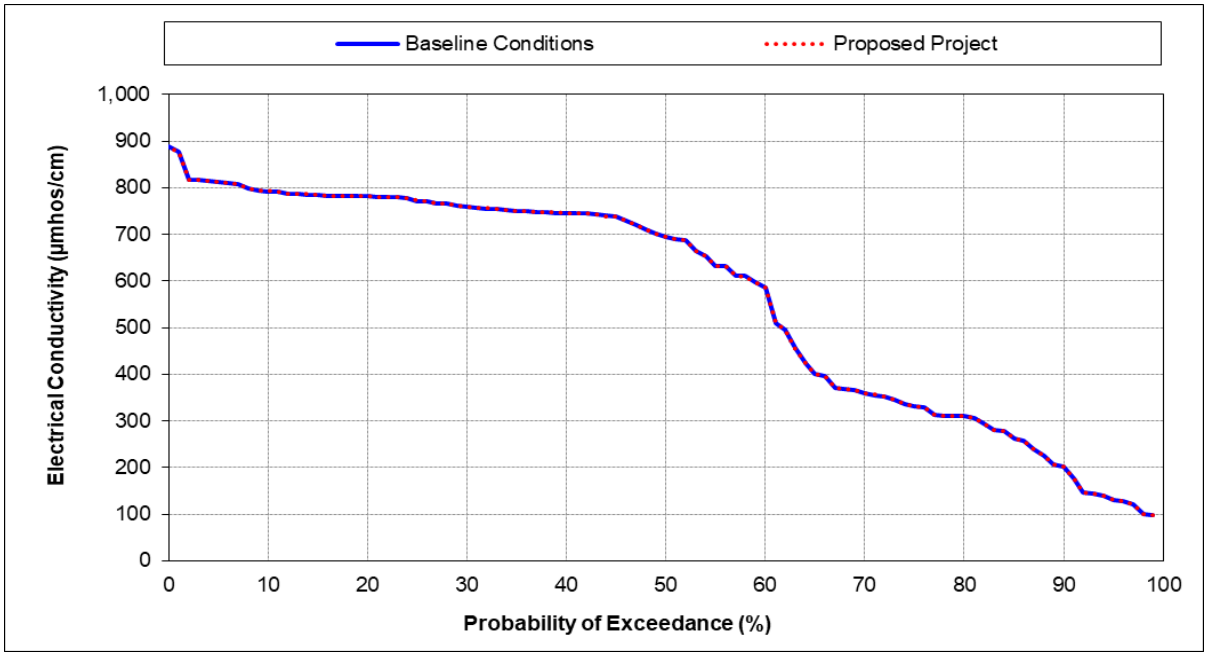


**Figure 5B-10i. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), March**

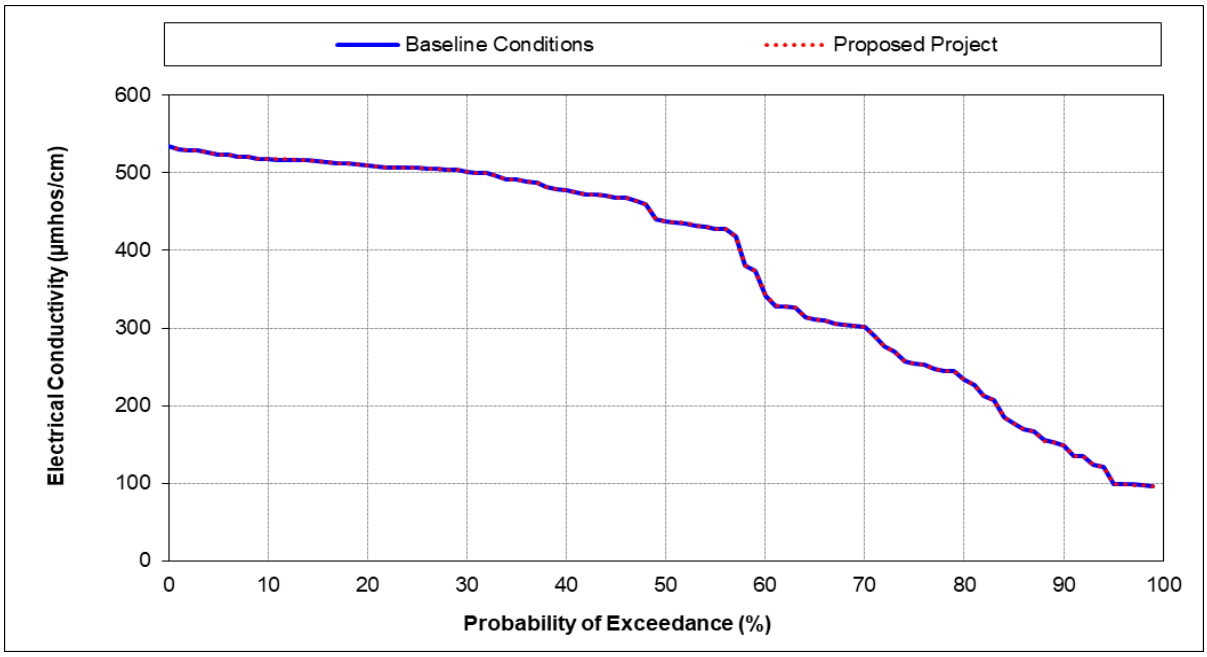


**Figure 5B-10j. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), April**

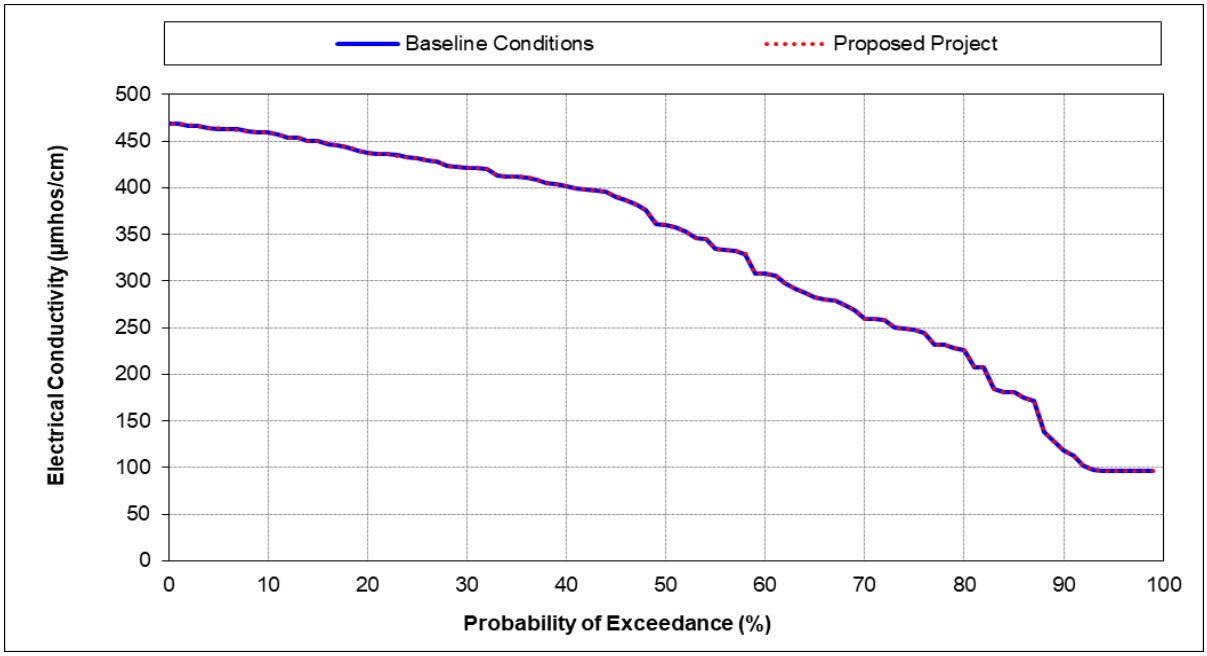


**Figure 5B-10k. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), May**

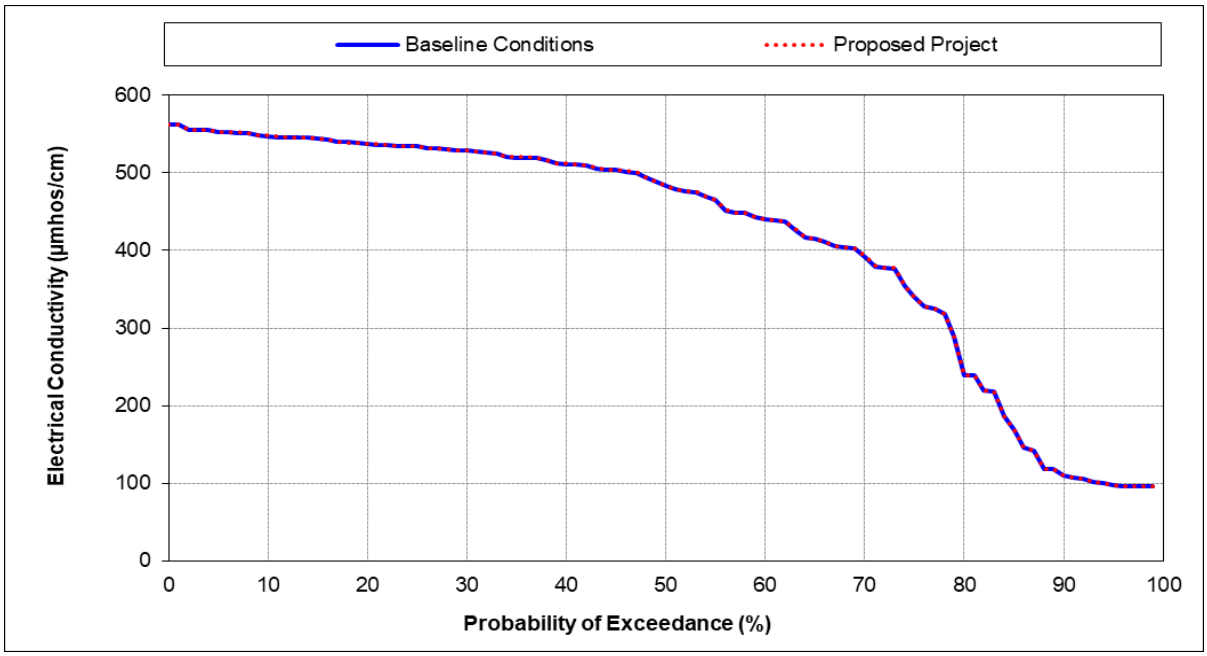


**Figure 5B-10l. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), June**

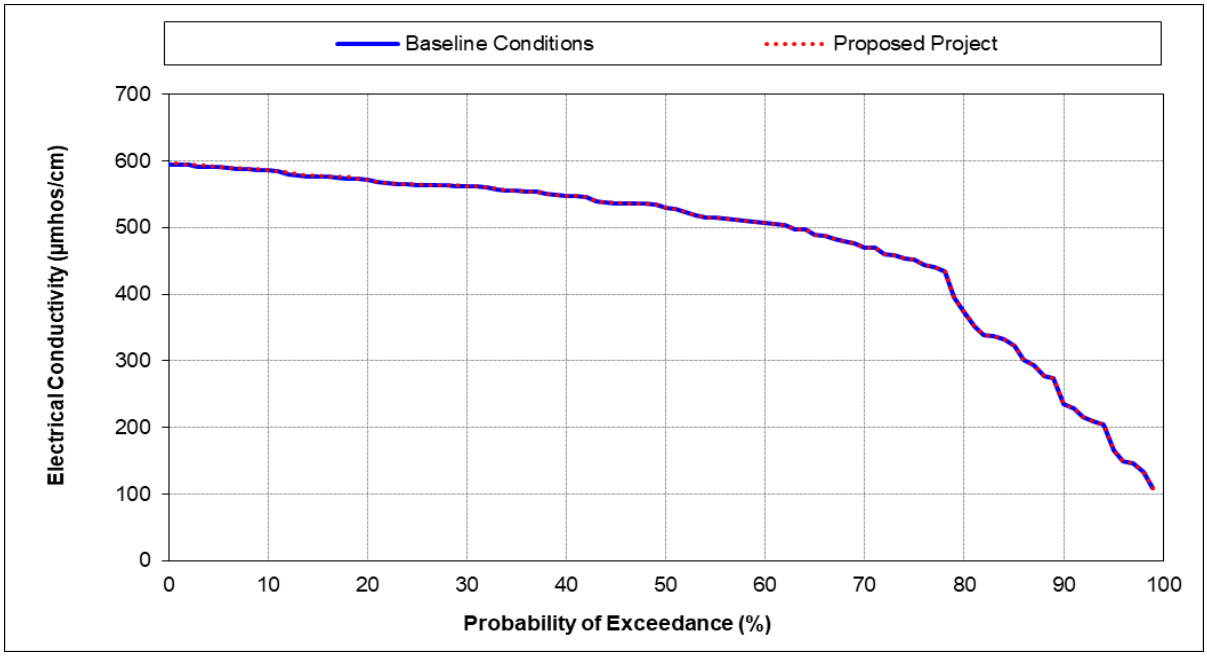


**Figure 5B-10m. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), July**

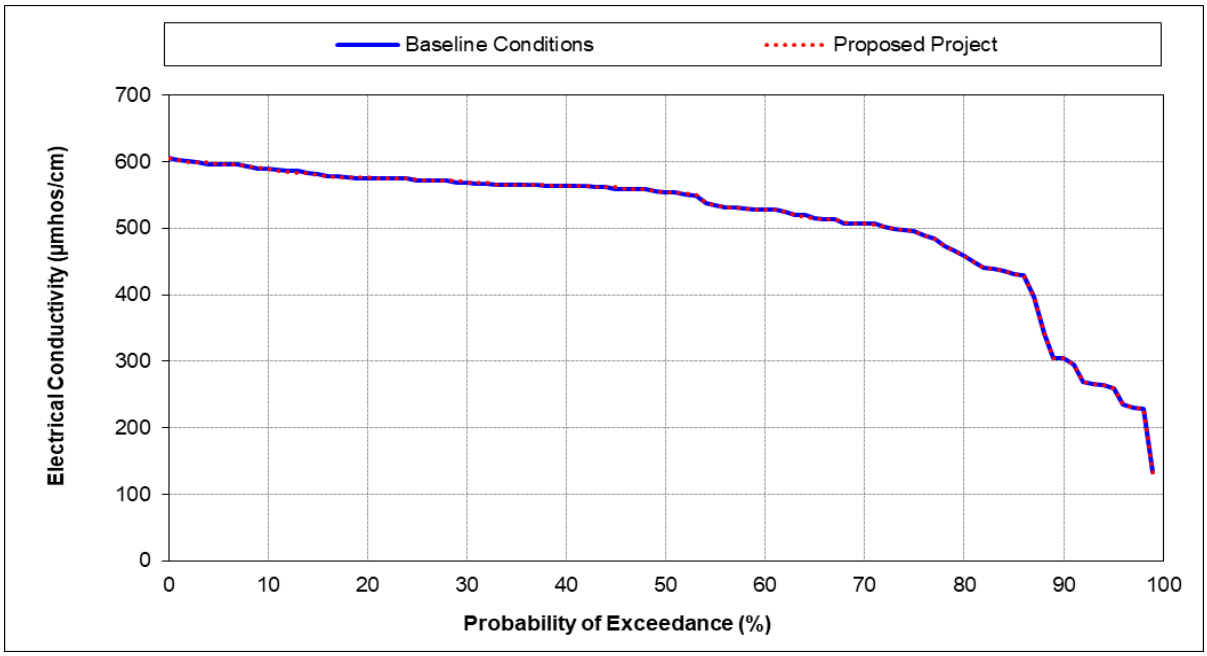


**Figure 5B-10n. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), August**

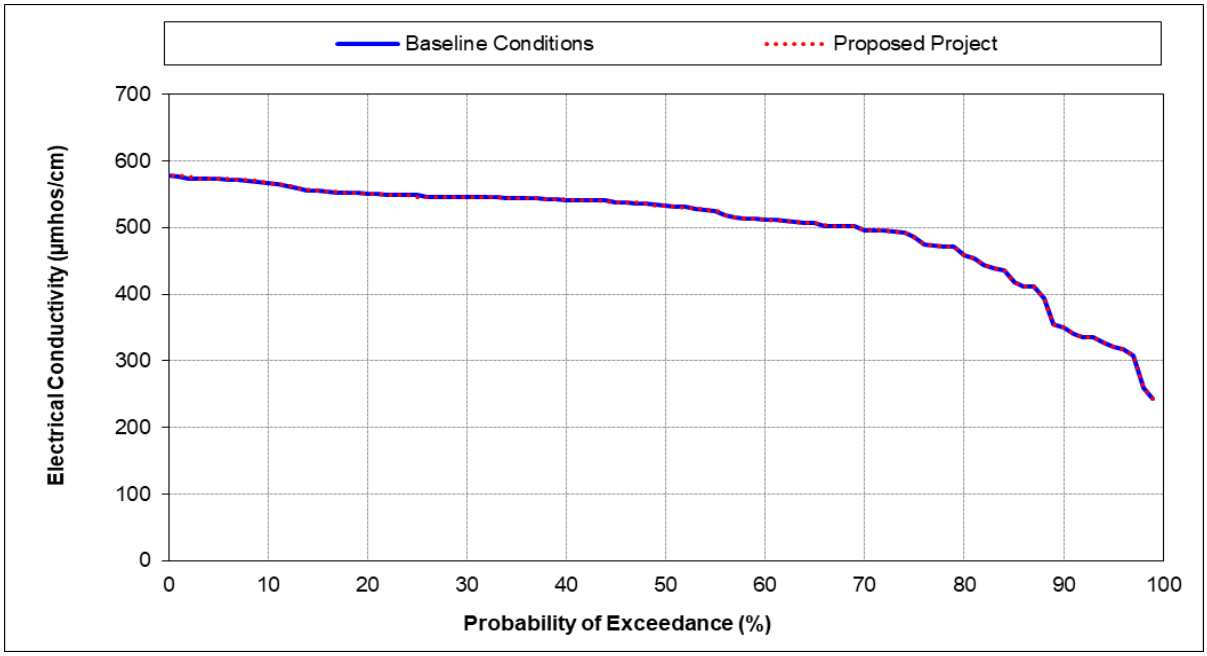


**Figure 5B-10o. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), September**

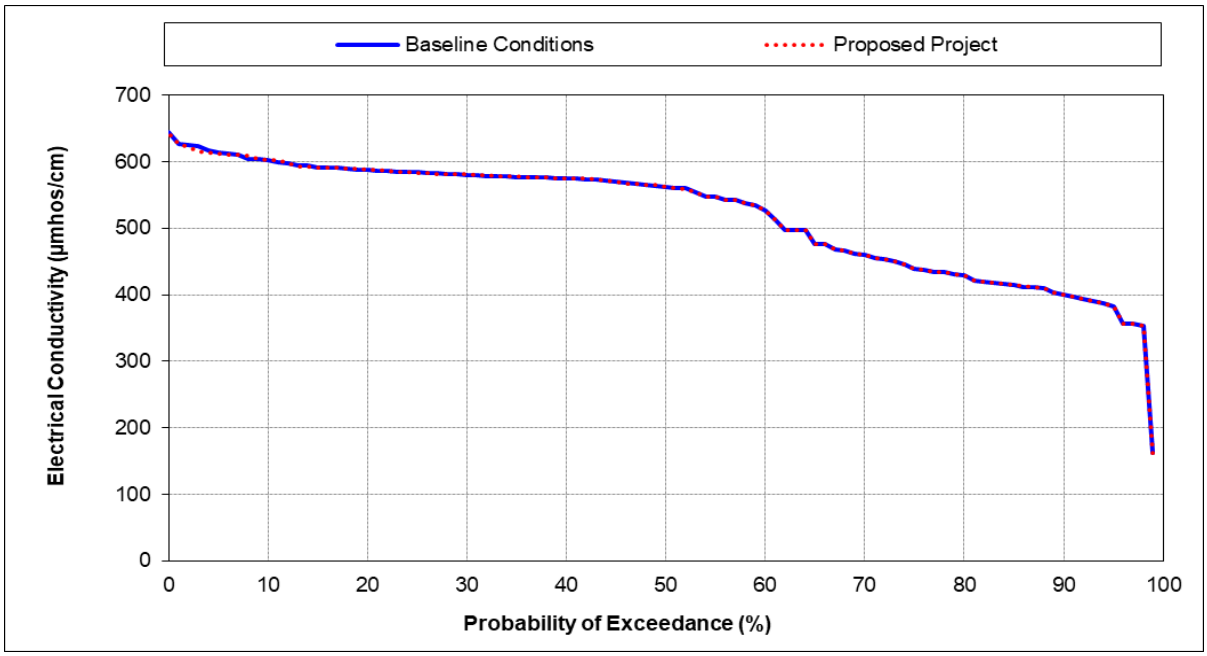


**Figure 5B-10p. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), October**

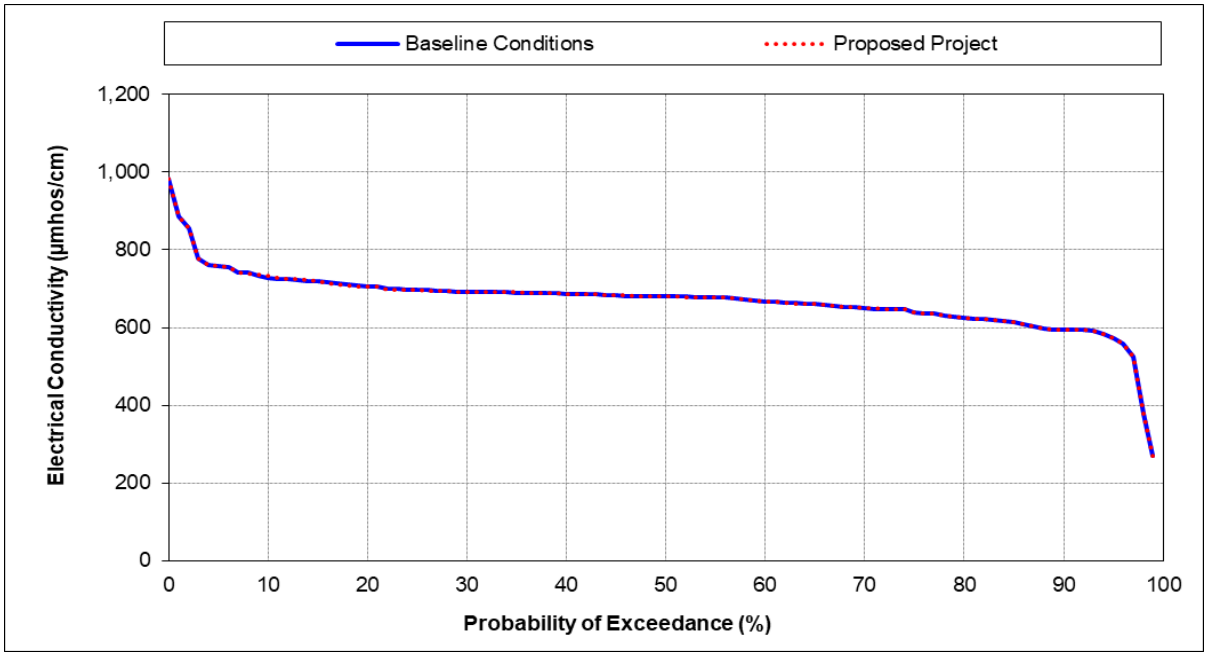


**Figure 5B-10q. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), November**

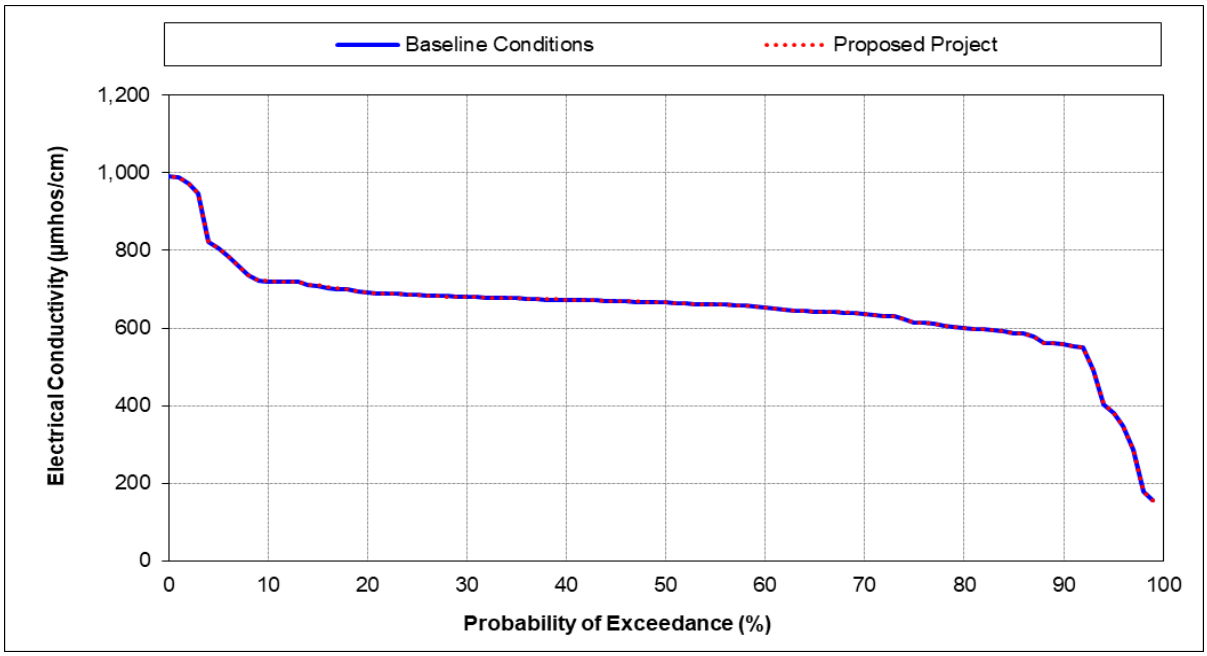


**Figure 5B-10r. Old River near Middle River, Monthly Average Electrical Conductivity (in micromhos per centimeter), December**

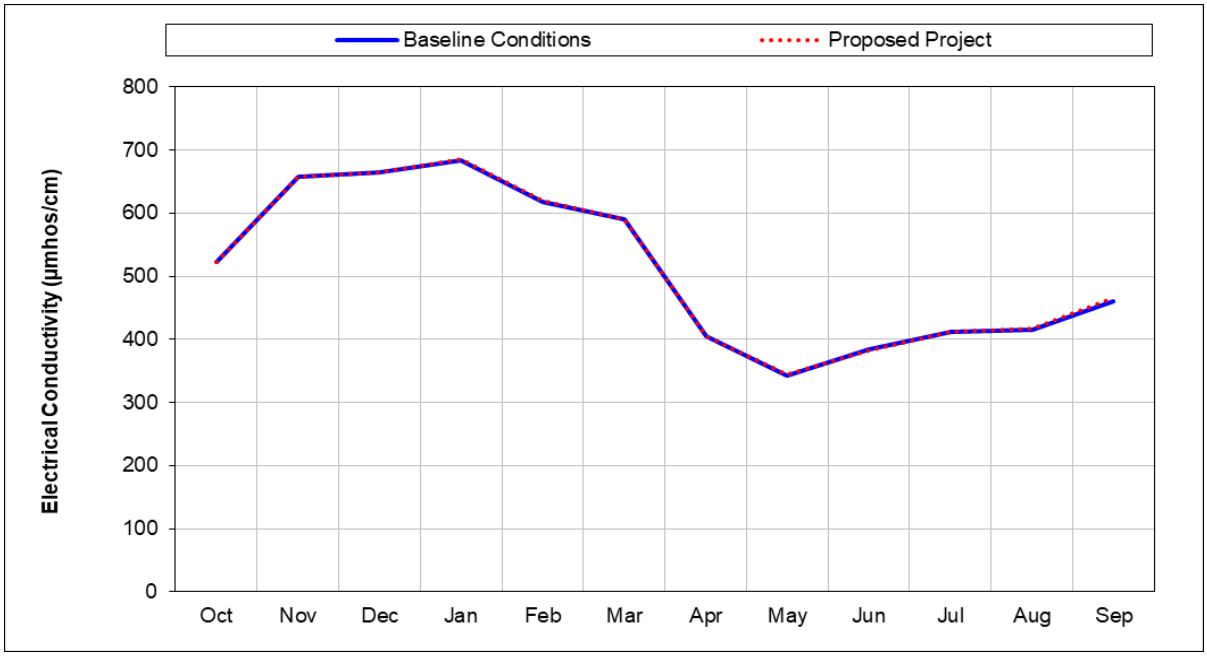


**Figure 5B-11a. Old River at Tracy Bridge, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)**

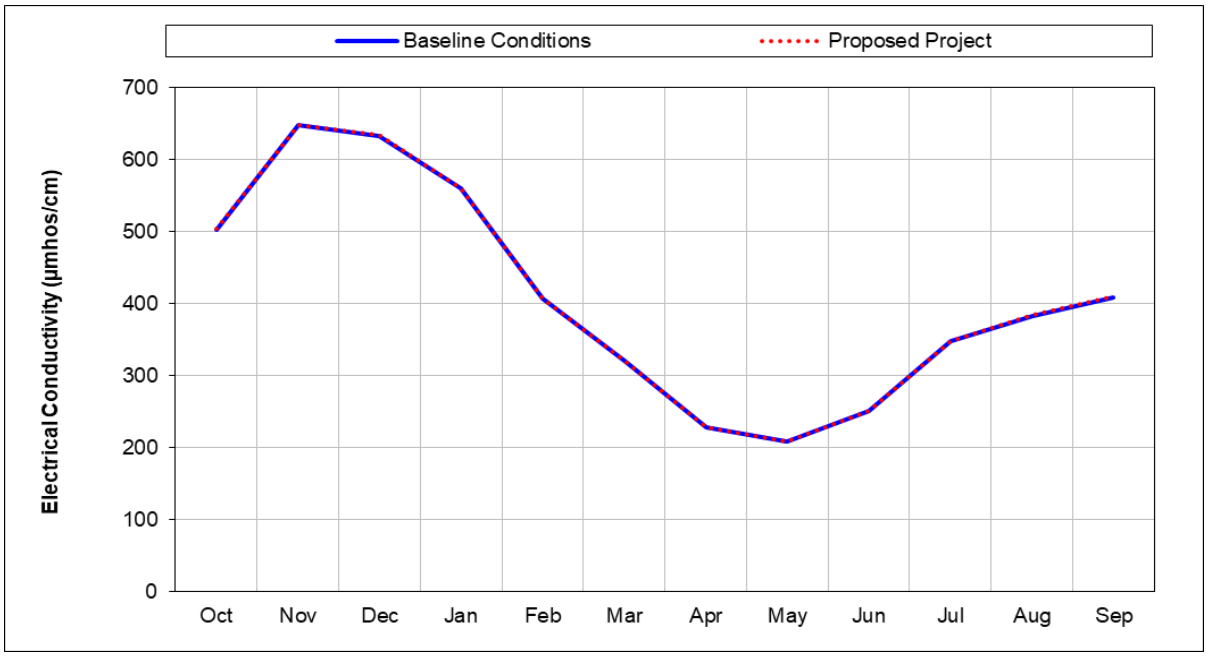


**Figure 5B-11b. Old River at Tracy Bridge, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

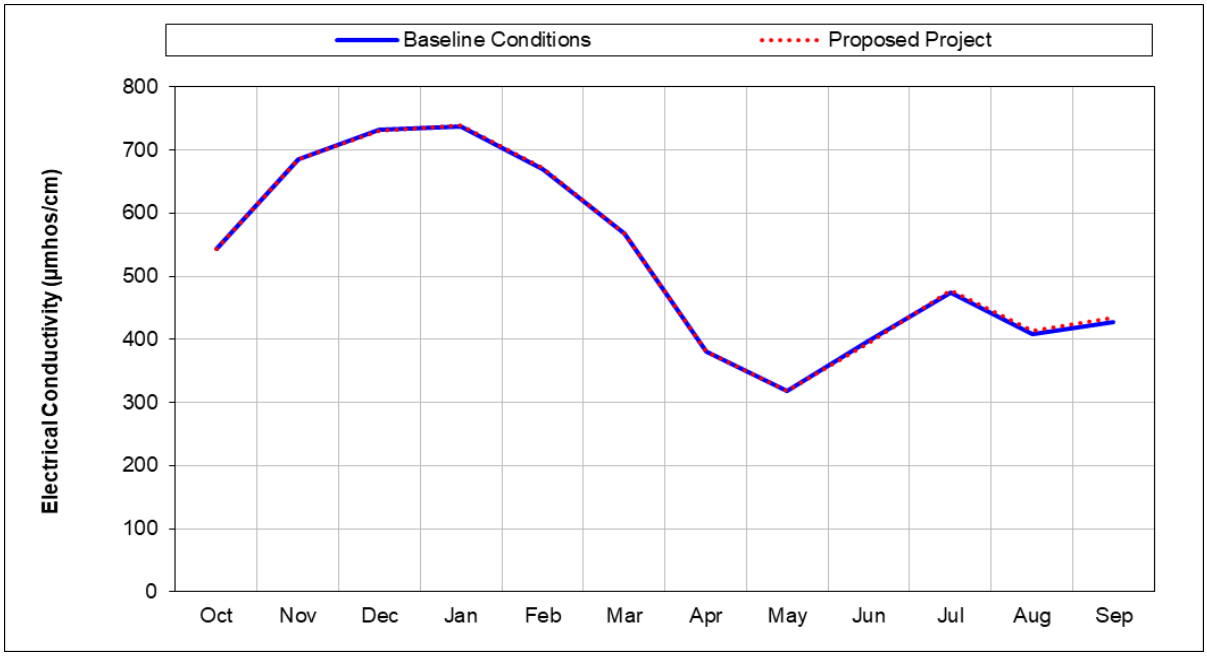


**Figure 5B-11c. Old River at Tracy Bridge, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

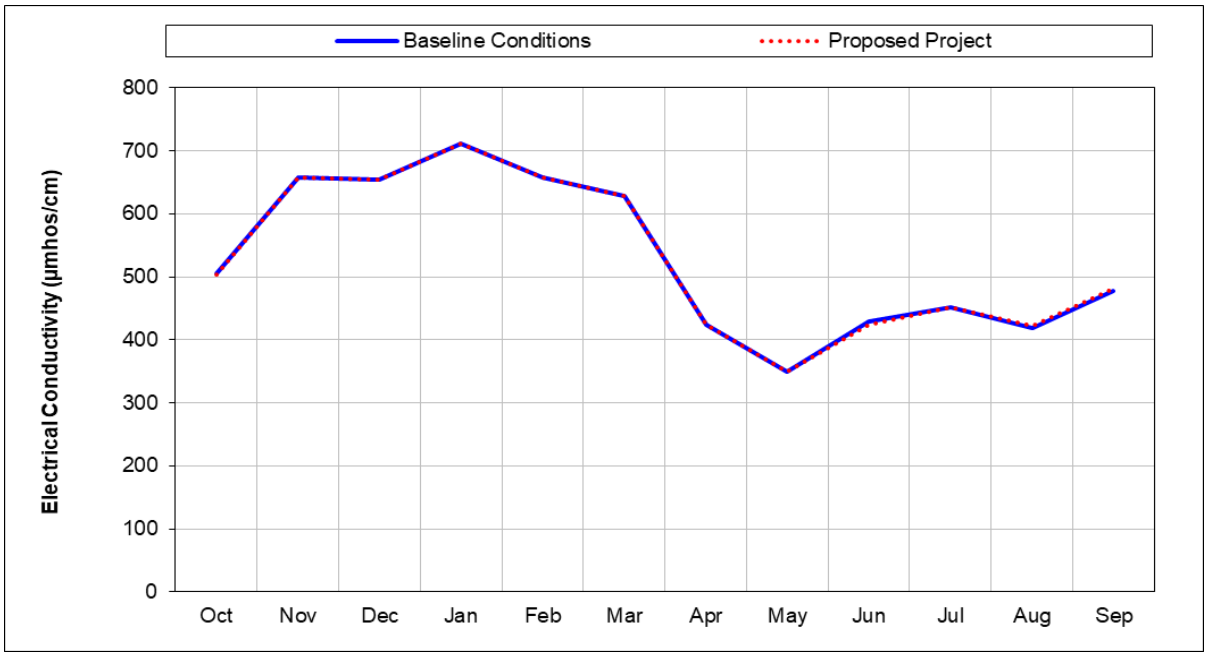


**Figure 5B-11d. Old River at Tracy Bridge, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

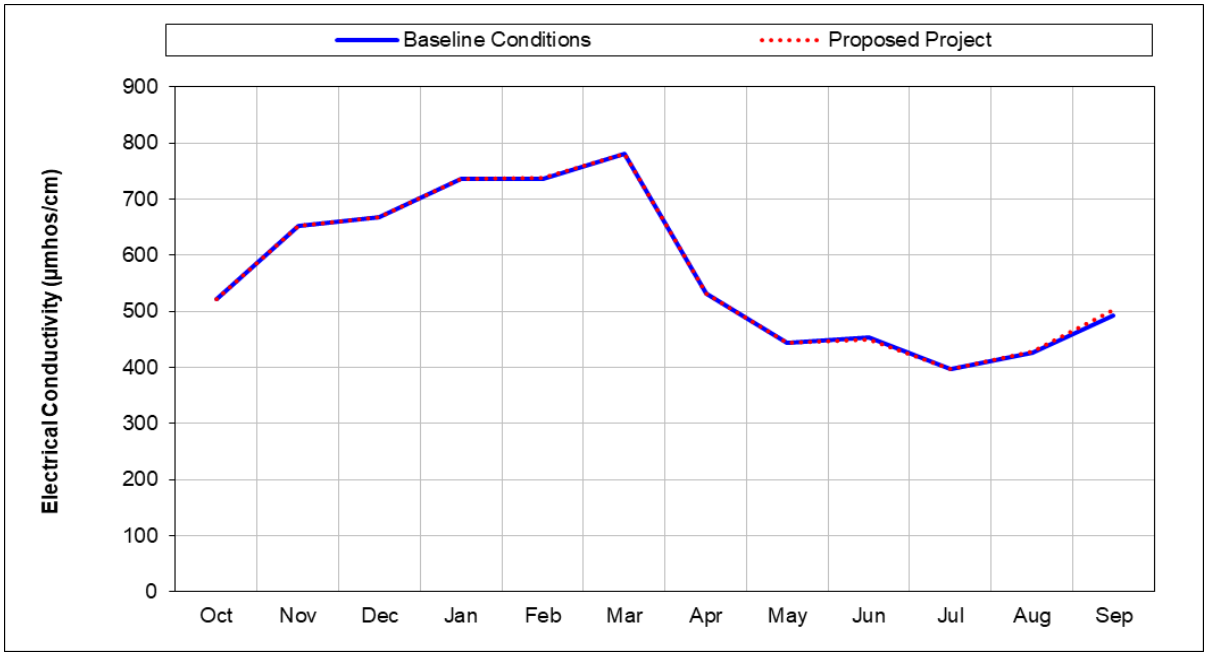


**Figure 5B-11e. Old River at Tracy Bridge, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

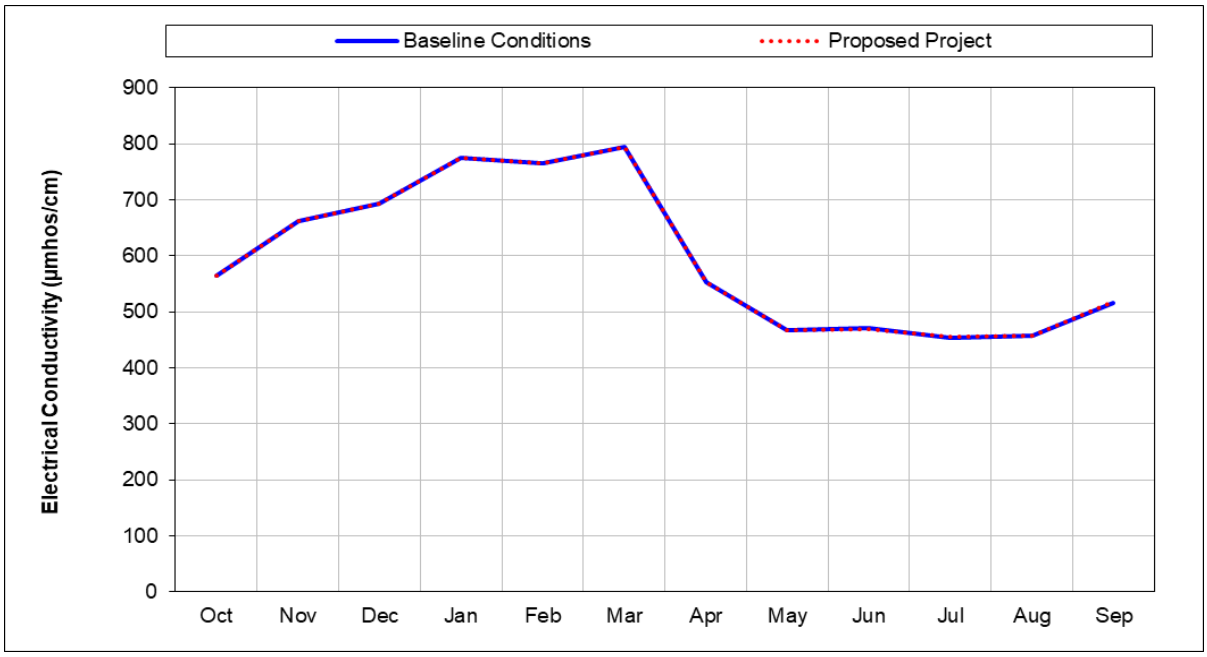


**Figure 5B-11f. Old River at Tracy Bridge, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

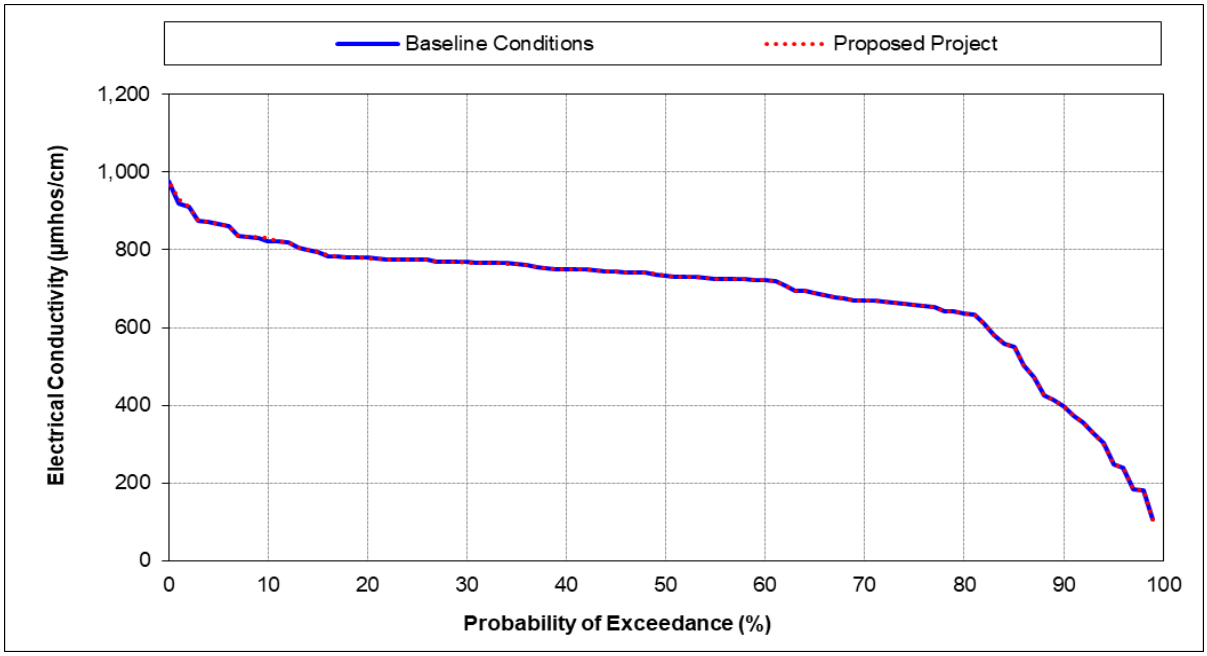


**Figure 5B-11g. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), January**

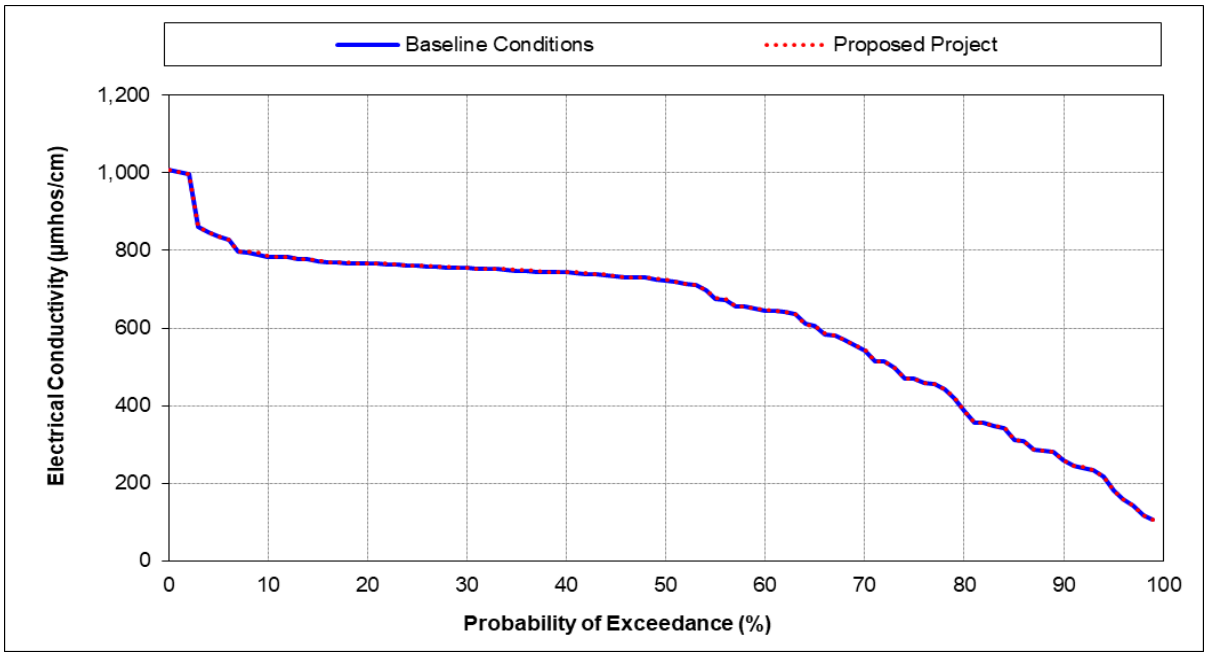


**Figure 5B-11h. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), February**

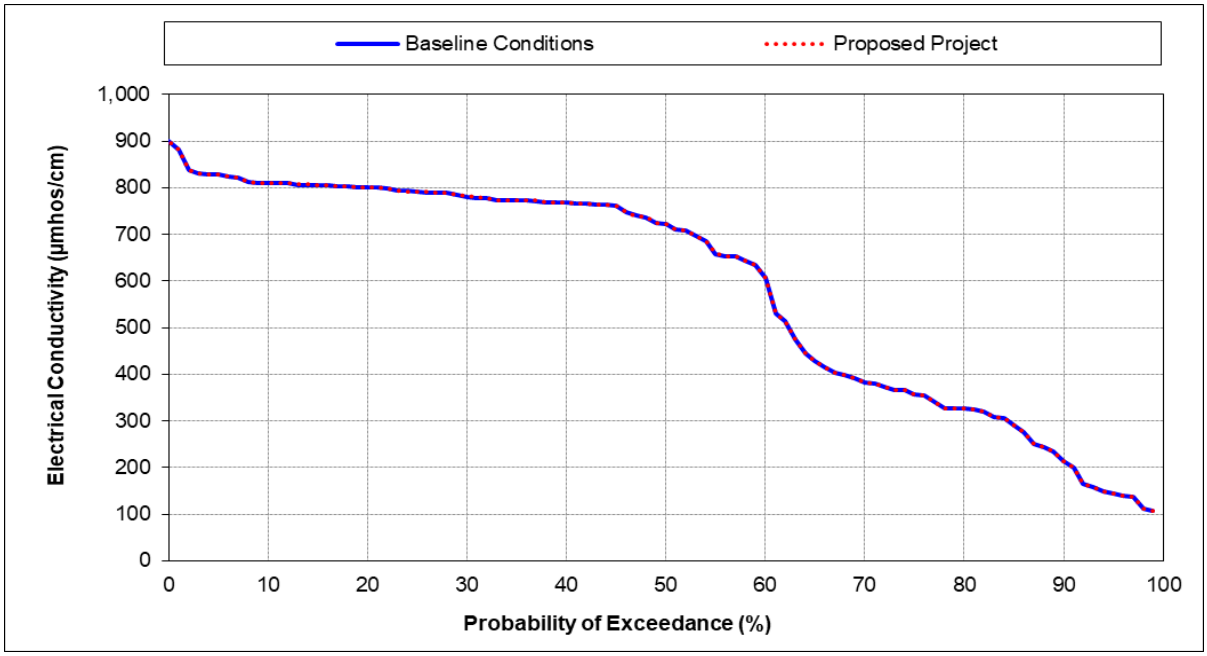


**Figure 5B-11i. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), March**

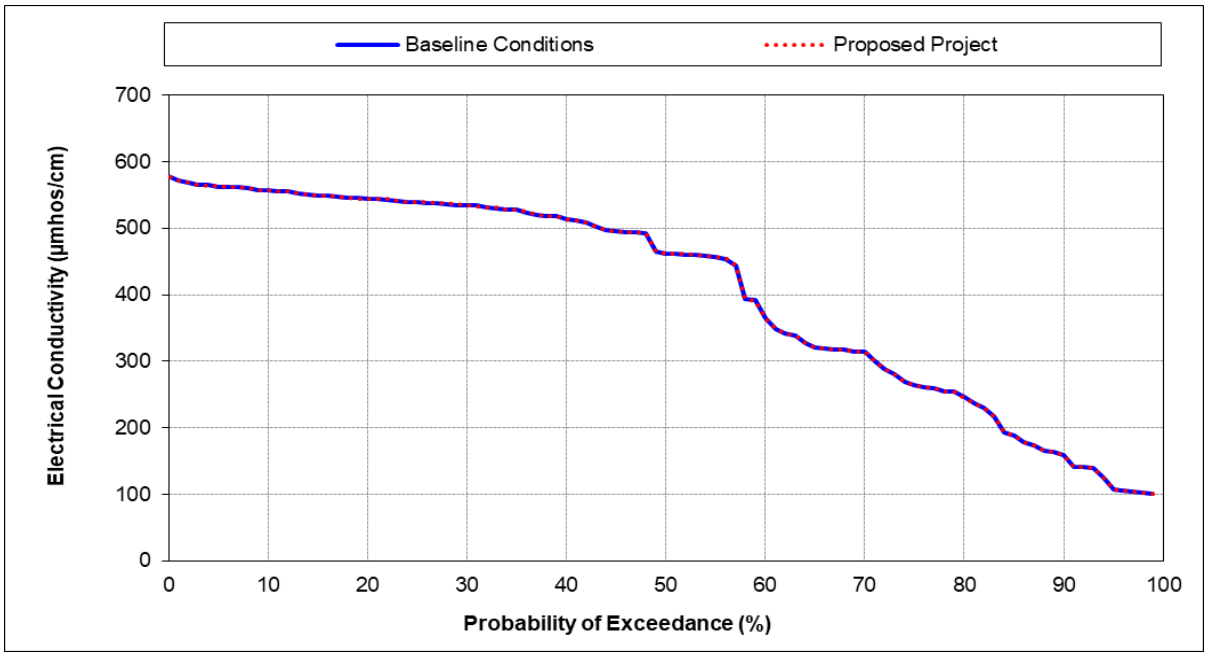


**Figure 5B-11j. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), April**

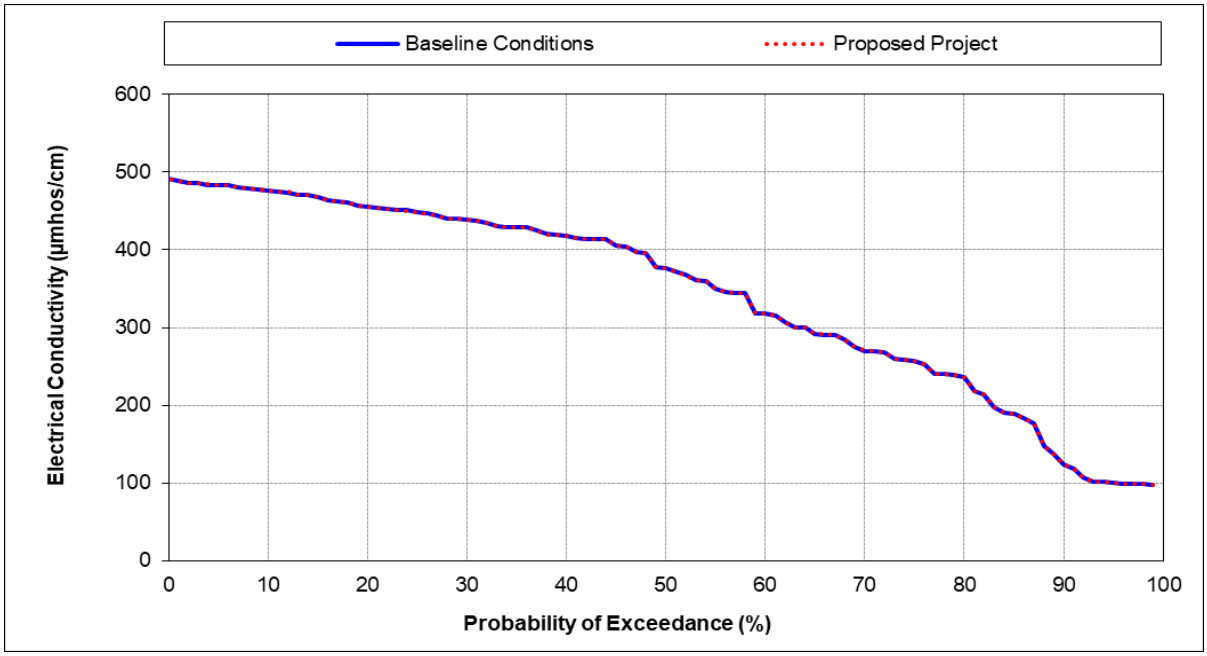


**Figure 5B-11k. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), May**

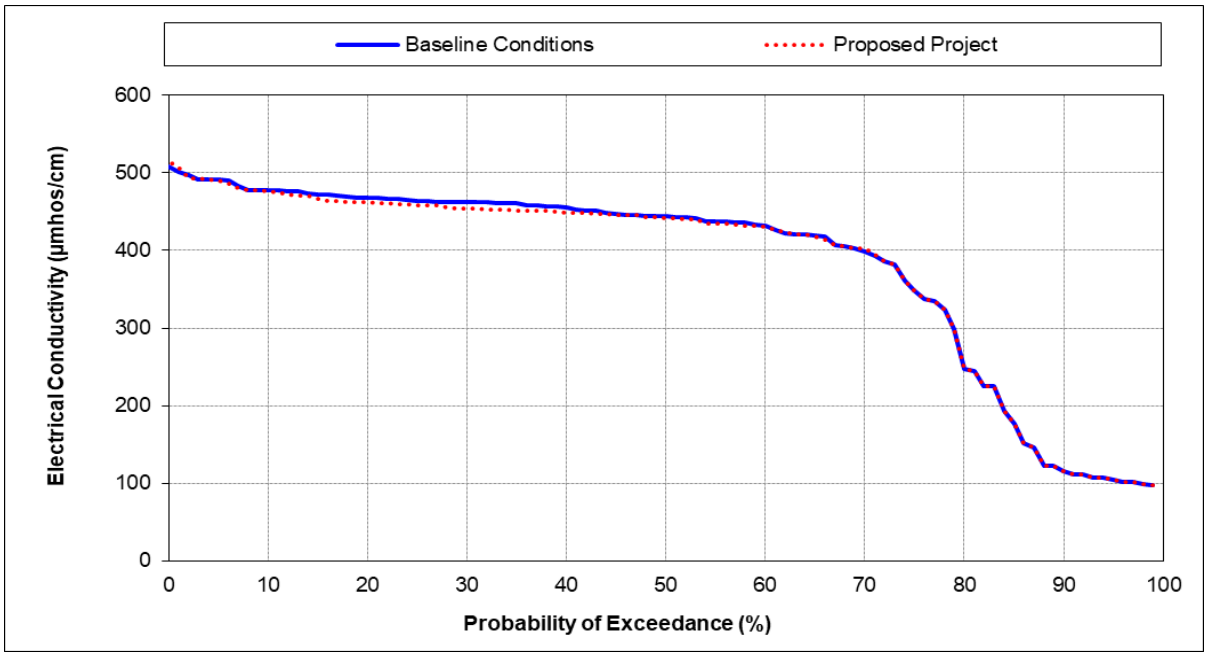


**Figure 5B-11l. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), June**

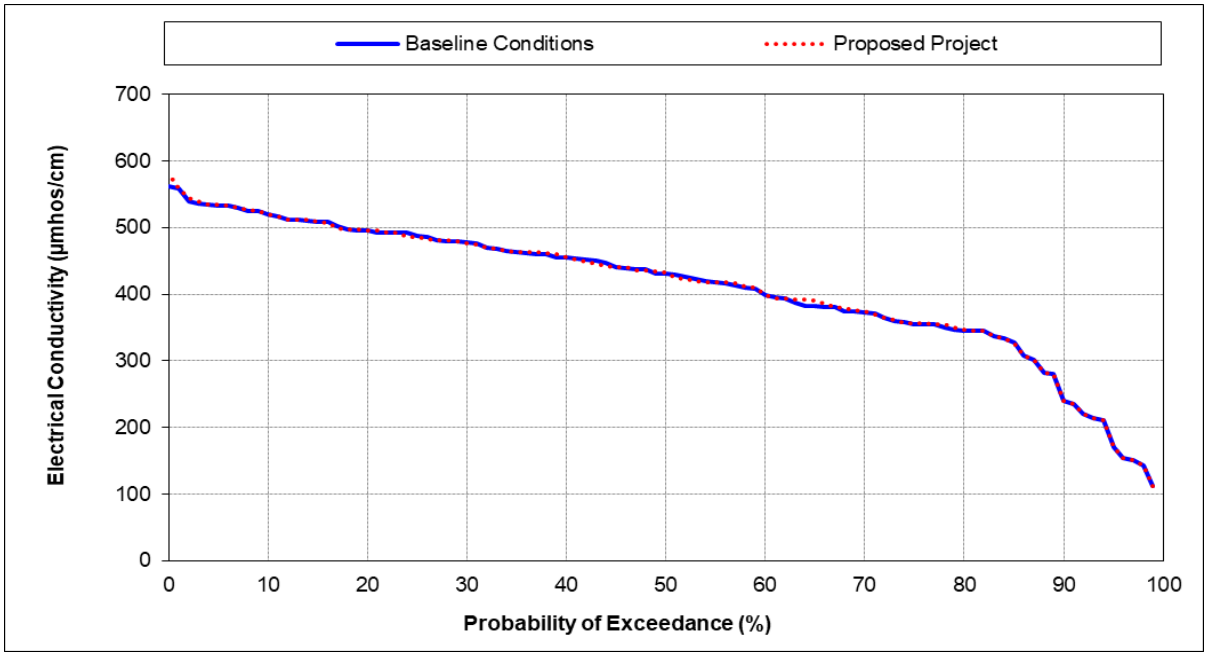


**Figure 5B-11m. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), July**

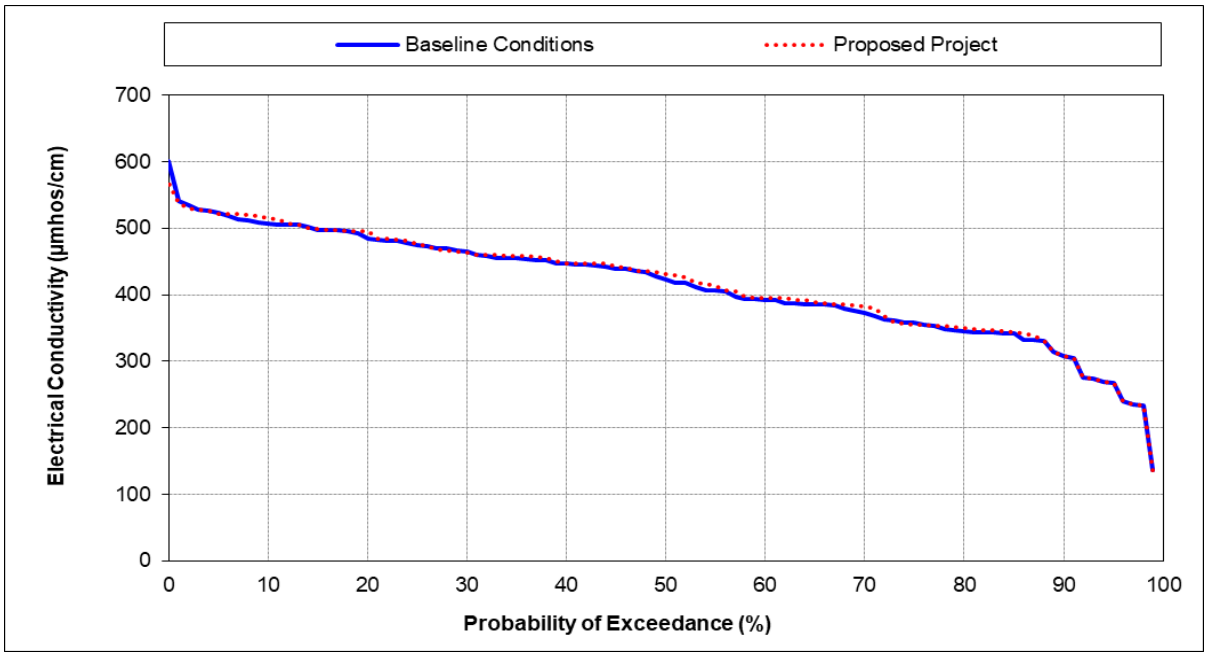


**Figure 5B-11n. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), August**

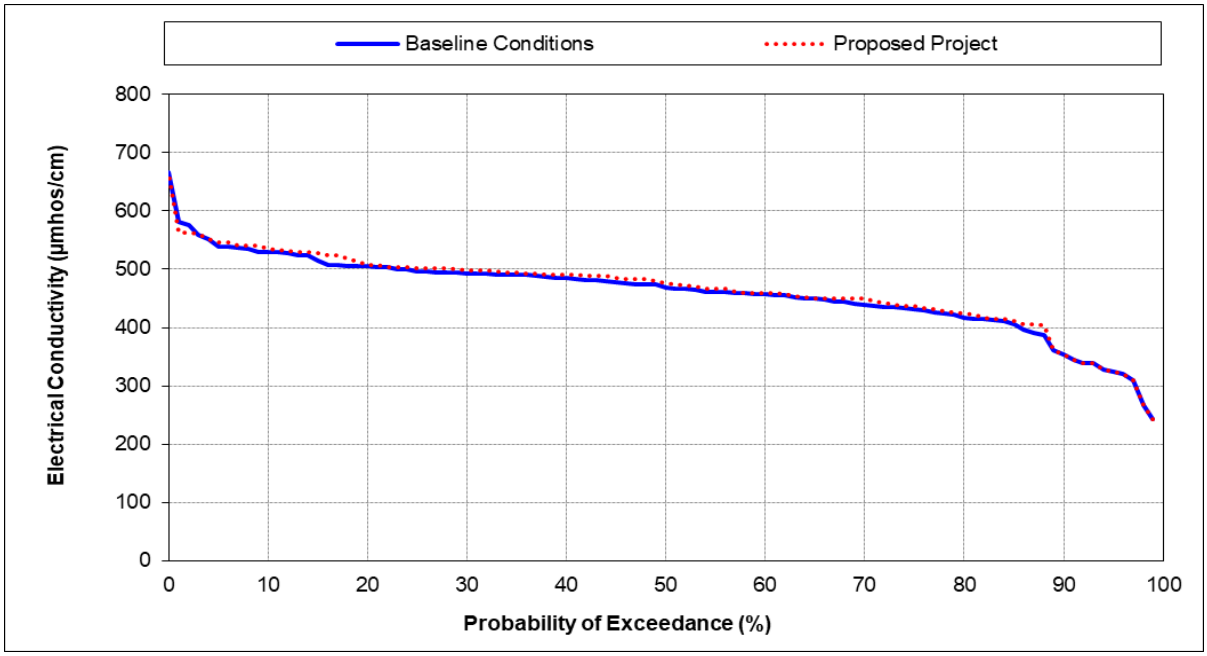


**Figure 5B-11o. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), September**

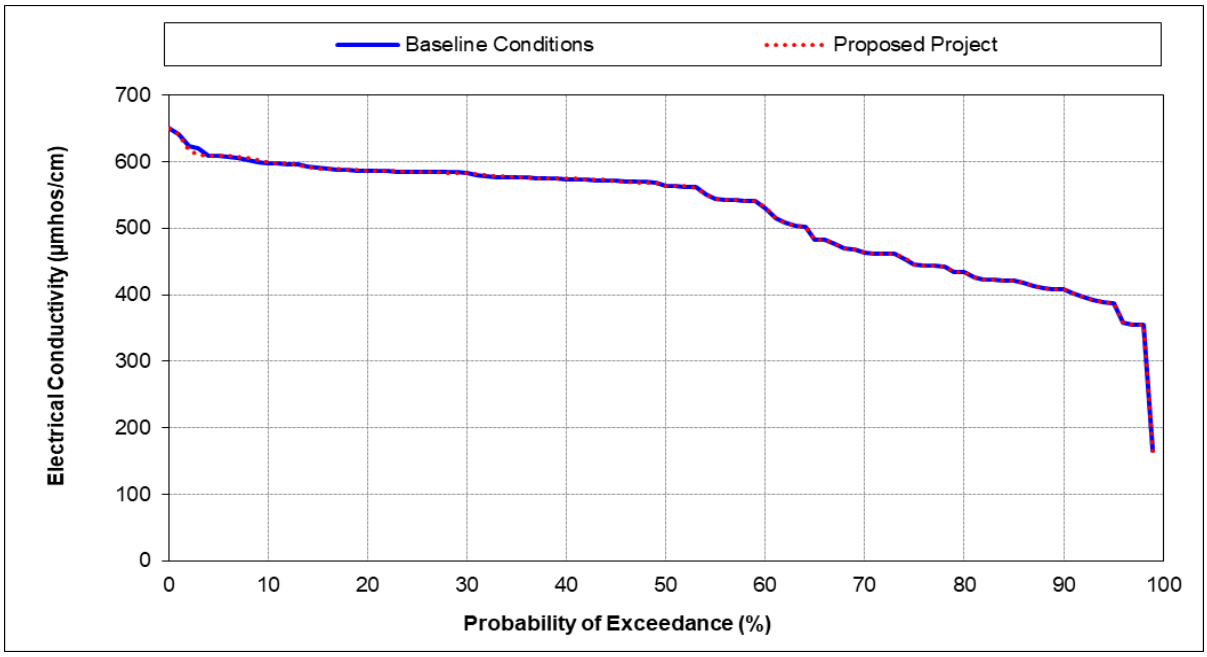


**Figure 5B-11p. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), October**

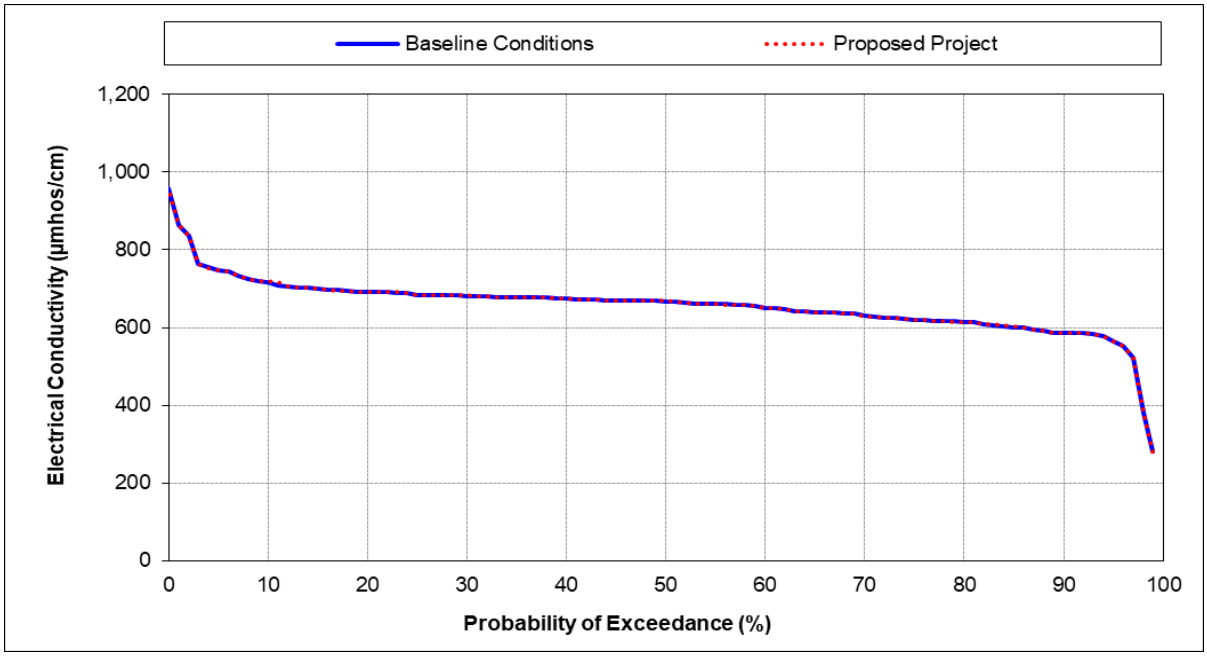


**Figure 5B-11q. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), November**

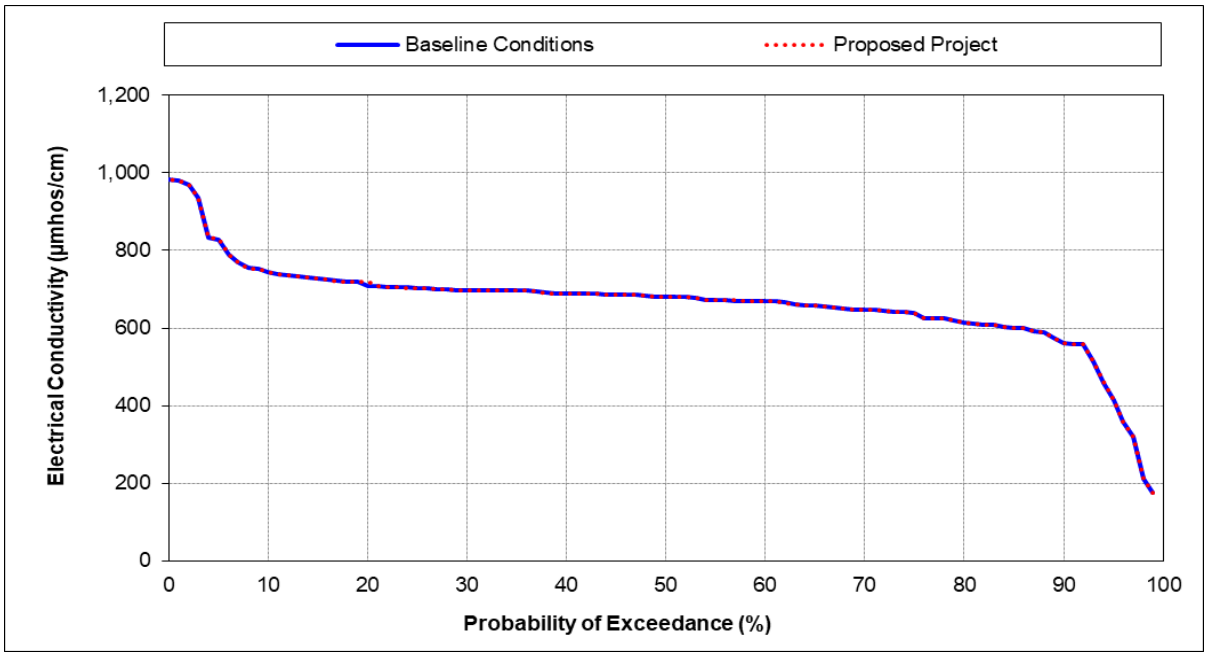


**Figure 5B-11r. Old River at Tracy Bridge, Monthly Average Electrical Conductivity (in micromhos per centimeter), December**

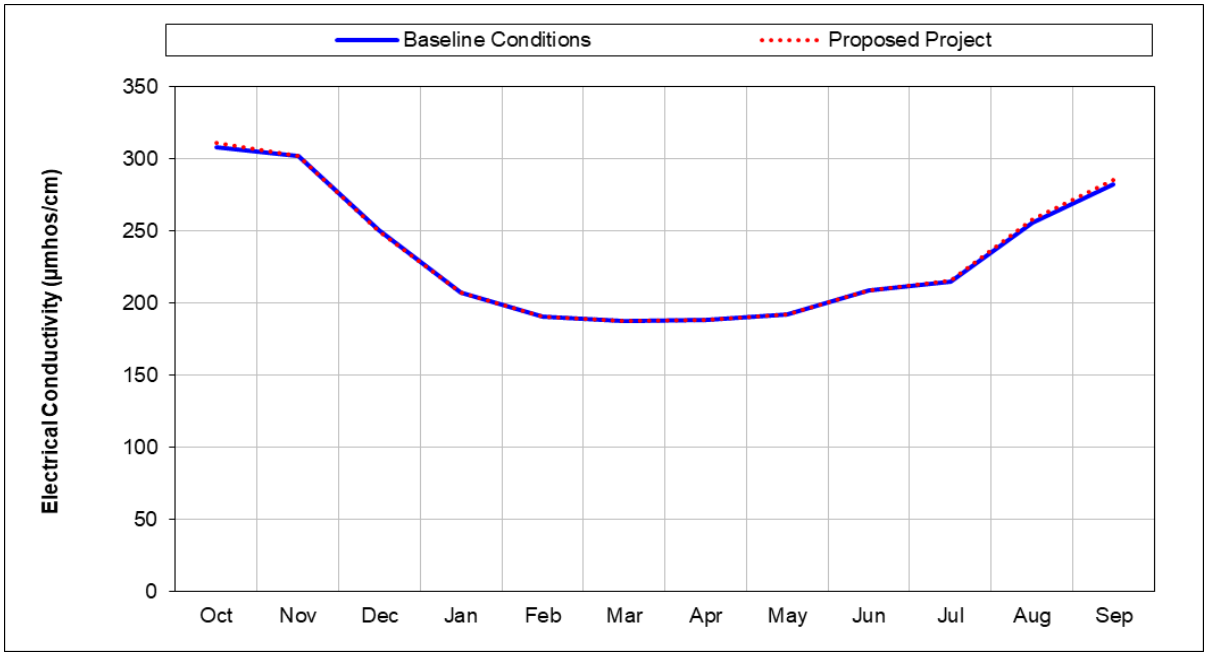


**Figure 5B-12a. Sacramento River at Rio Vista, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)**

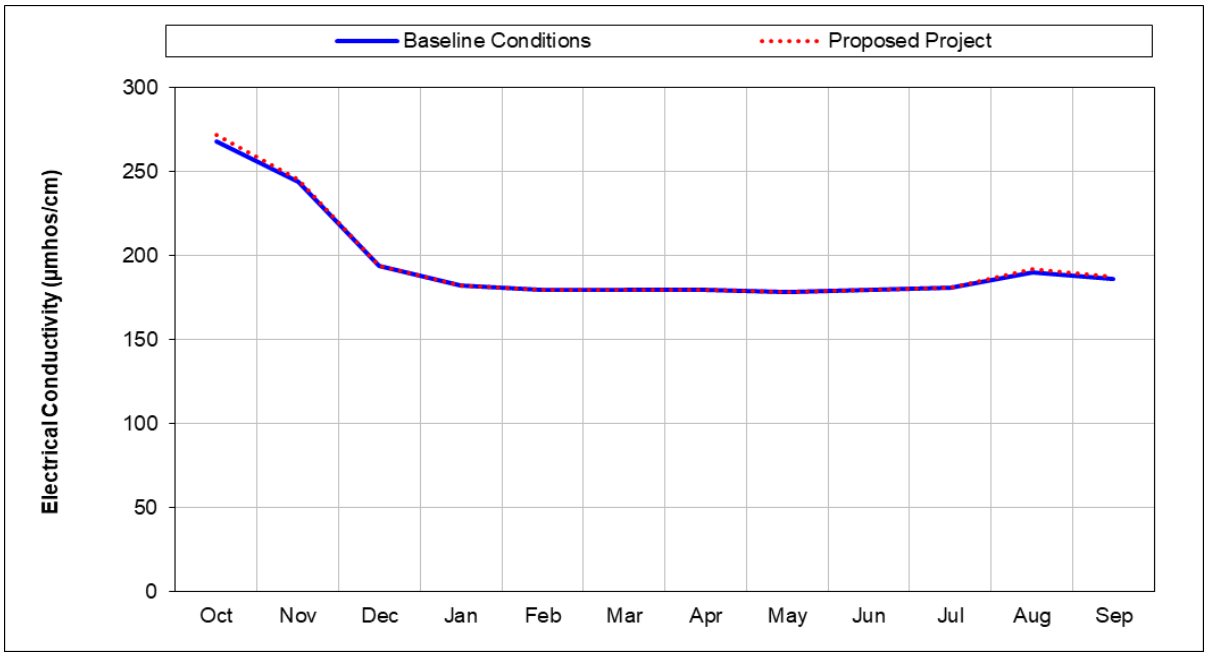


**Figure 5B-12b. Sacramento River at Rio Vista, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

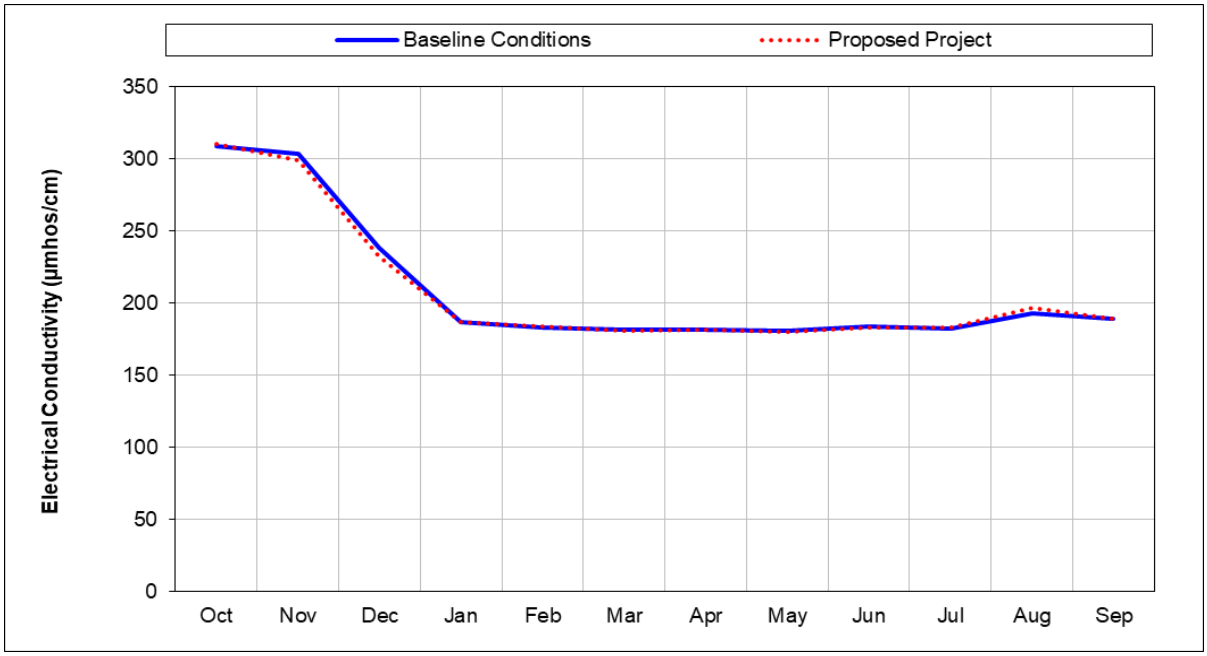


**Figure 5B-12c. Sacramento River at Rio Vista, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

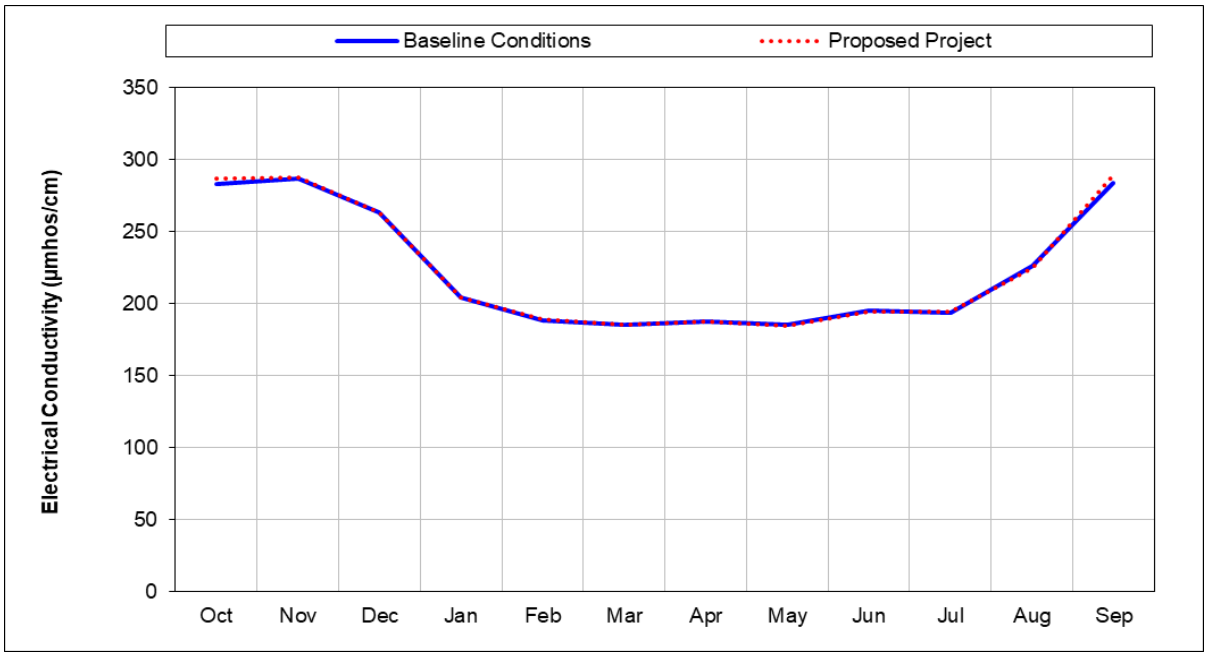


**Figure 5B-12d. Sacramento River at Rio Vista, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

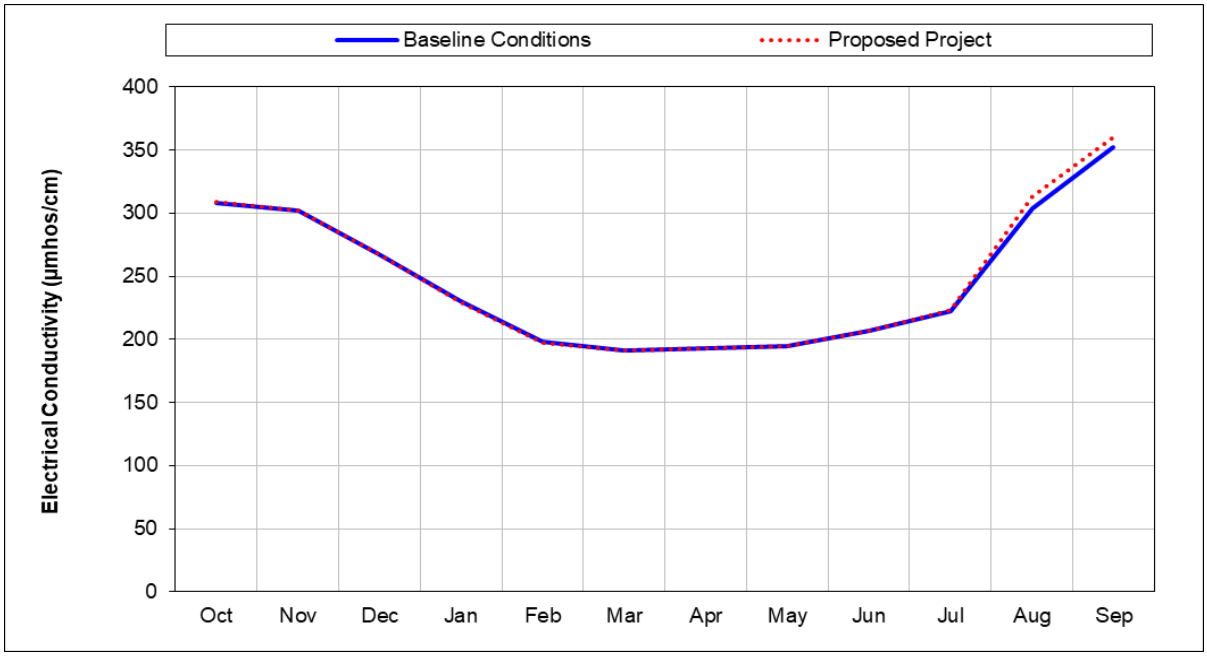


**Figure 5B-12e. Sacramento River at Rio Vista, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

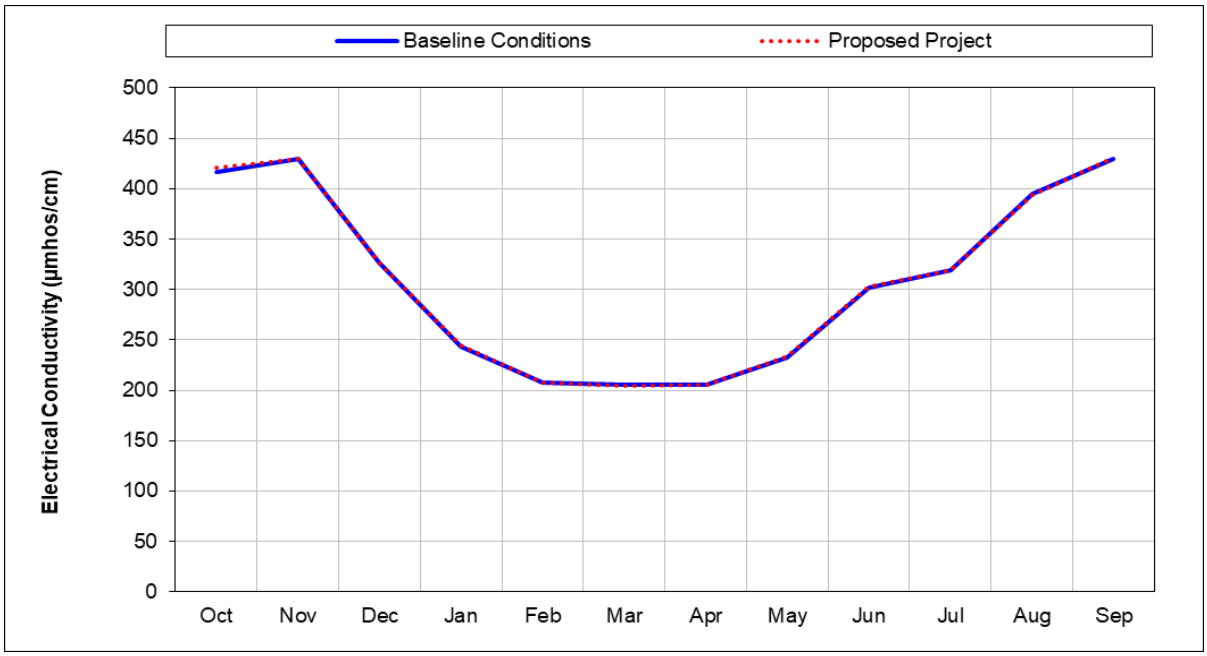


**Figure 5B-12f. Sacramento River at Rio Vista, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

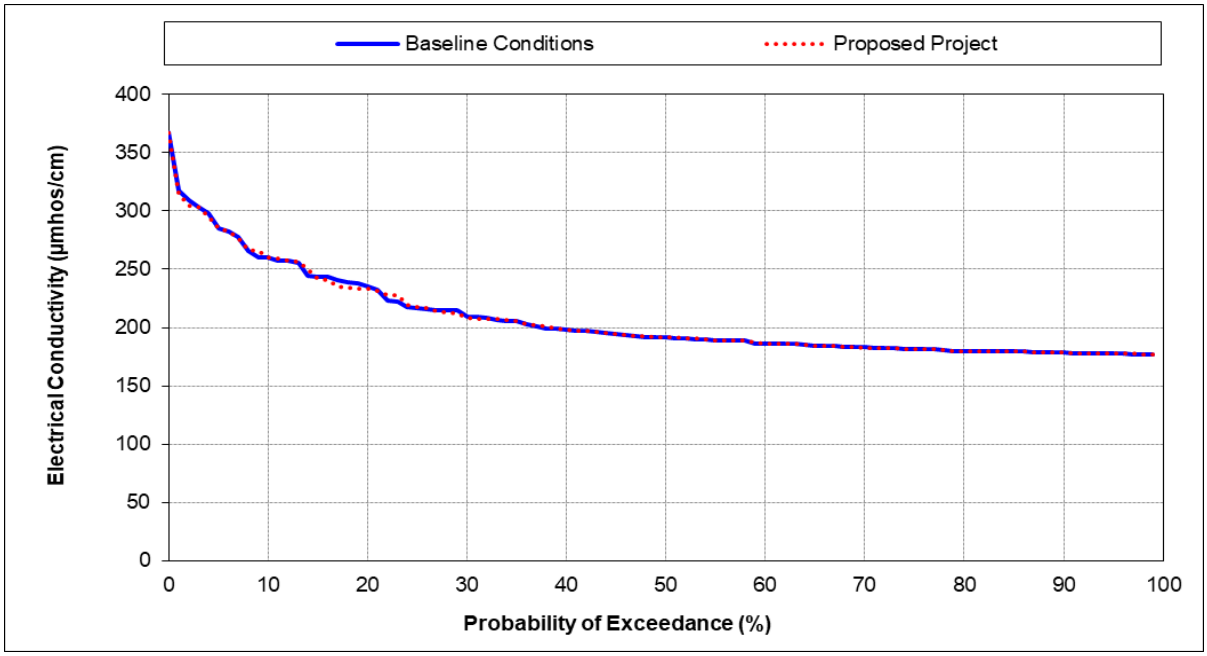


**Figure 5B-12g. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), January**

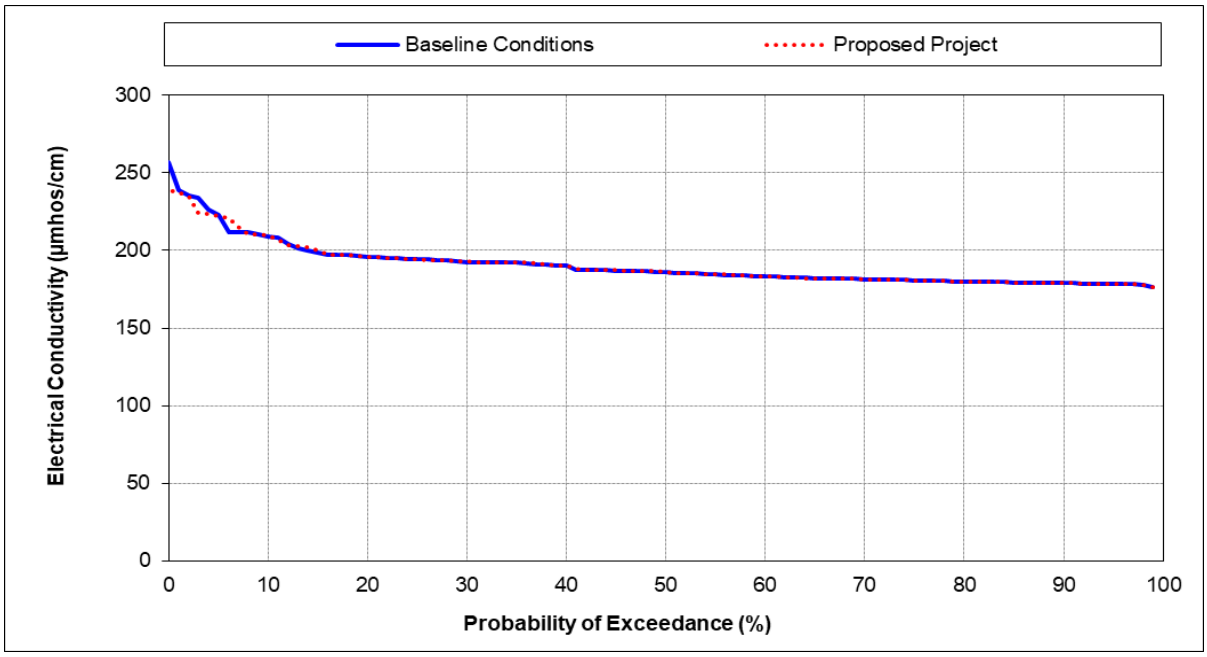


**Figure 5B-12h. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), February**

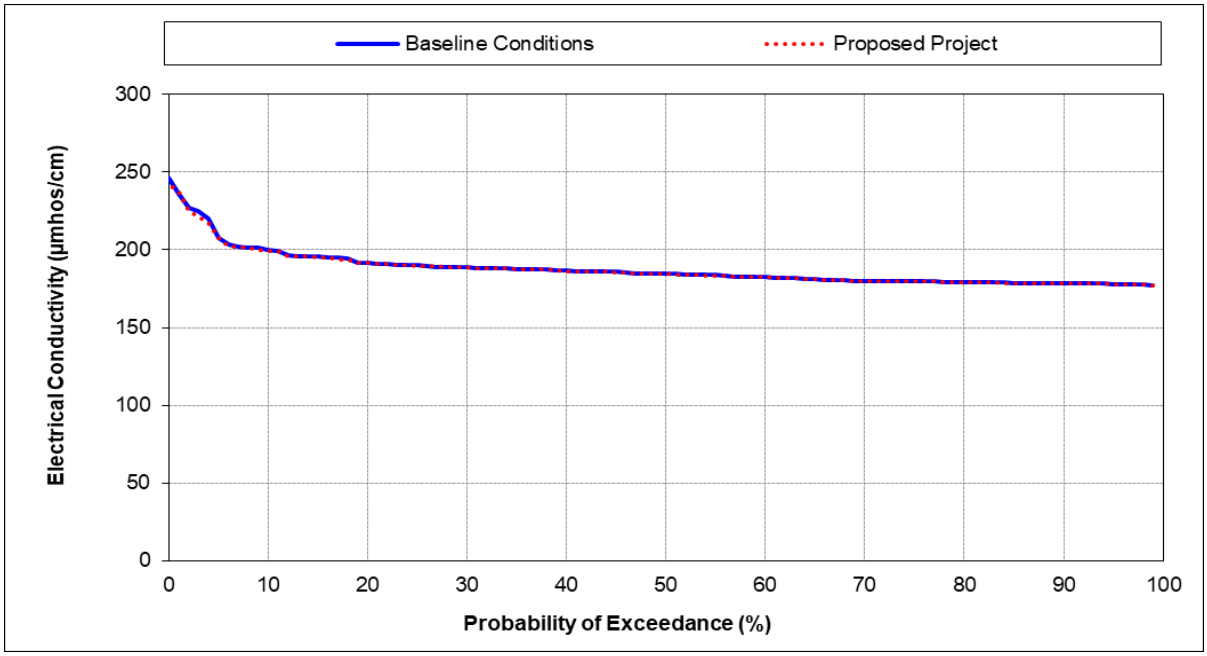


**Figure 5B-12i. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), March**

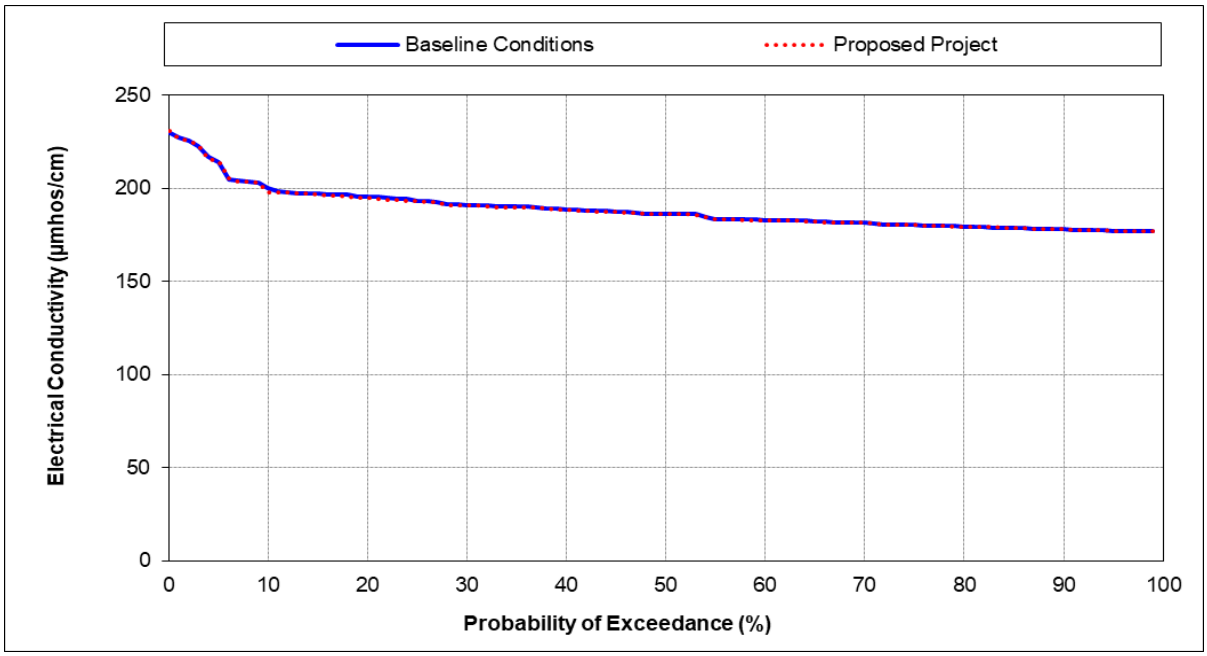


**Figure 5B-12j. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), April**

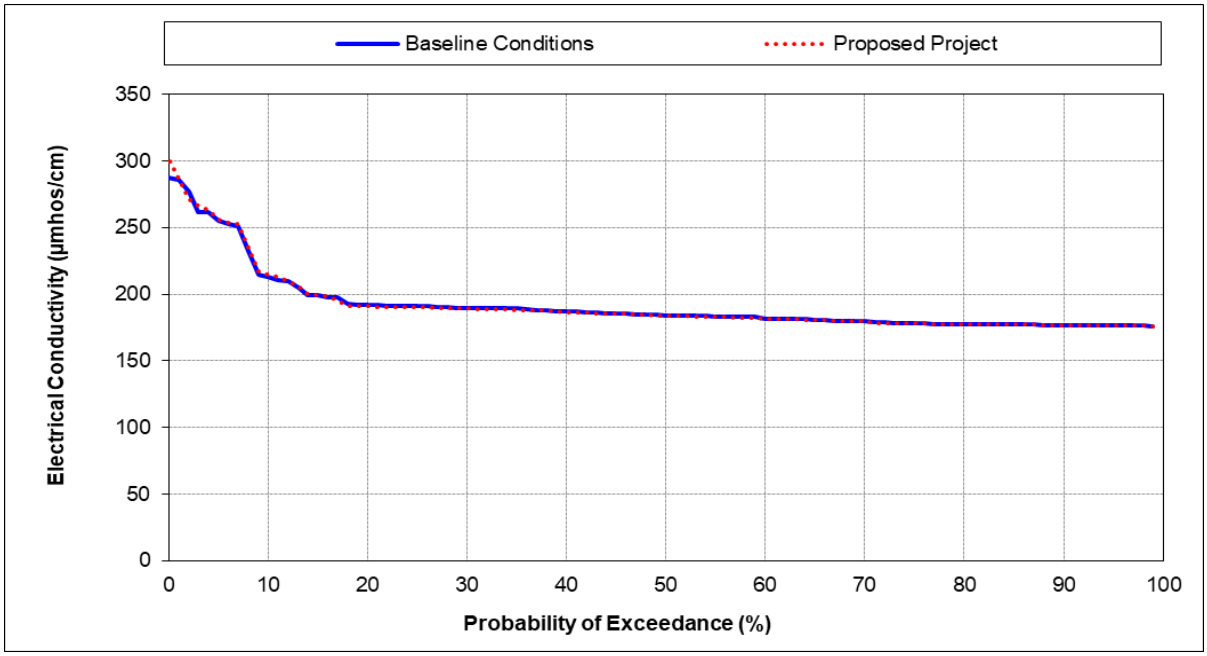


**Figure 5B-12k. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), May**

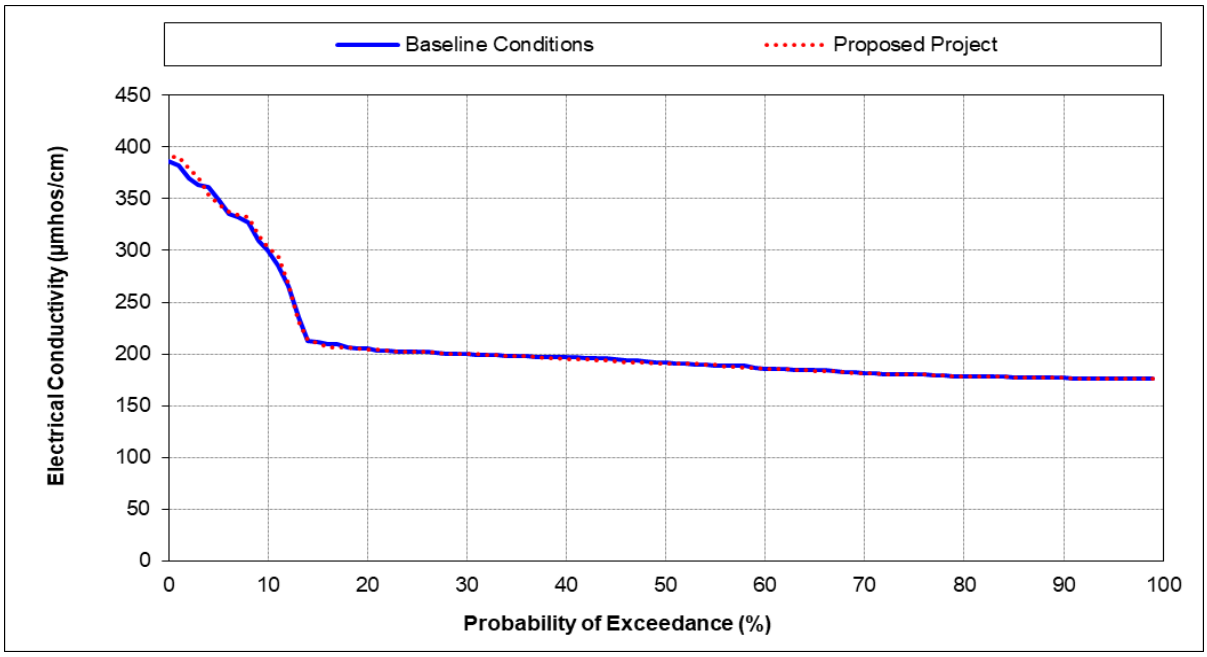


**Figure 5B-12l. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), June**

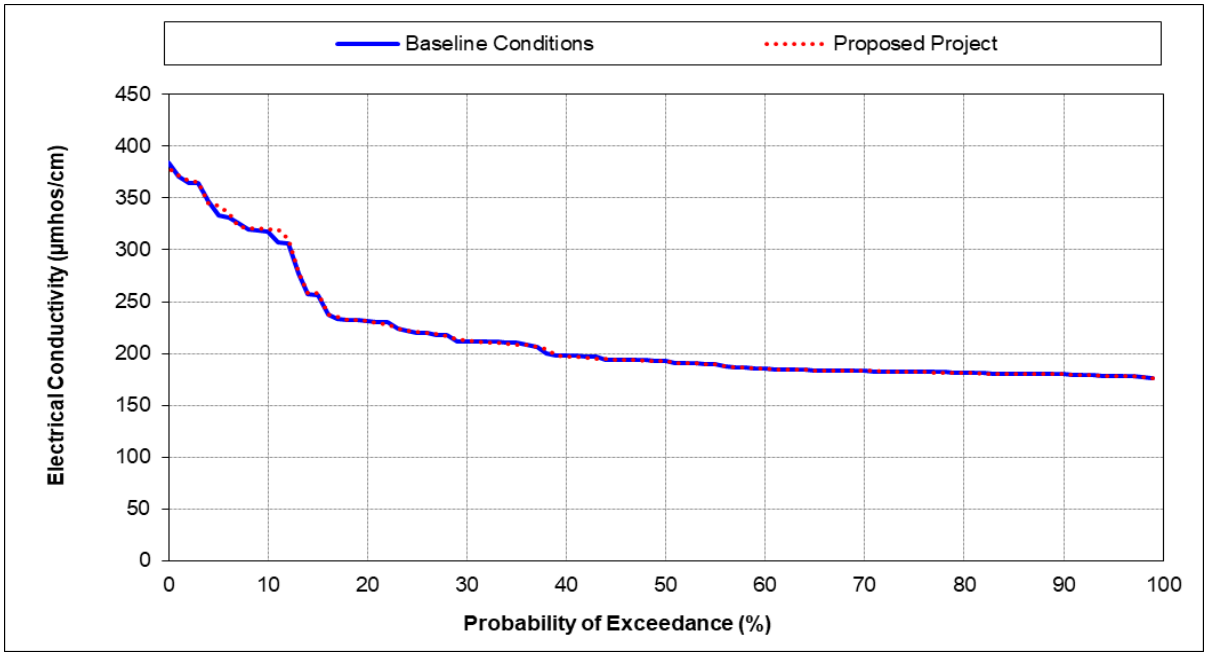


**Figure 5B-12m. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), July**

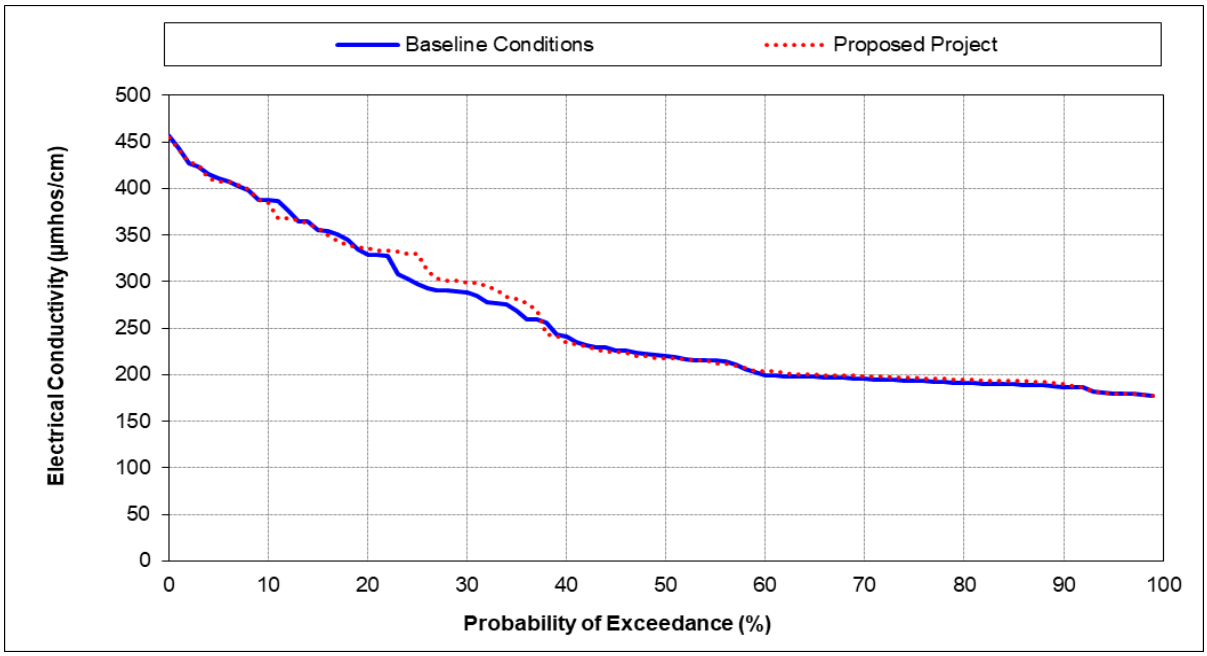


**Figure 5B-12n. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), August**

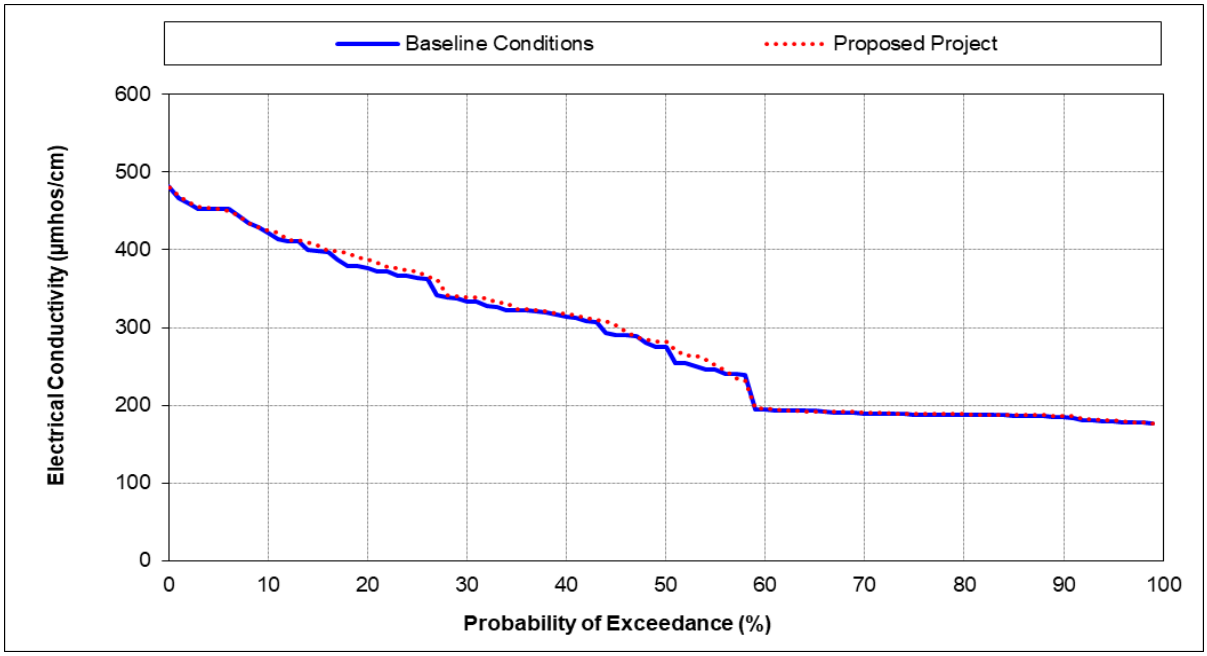


**Figure 5B-12o. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), September**

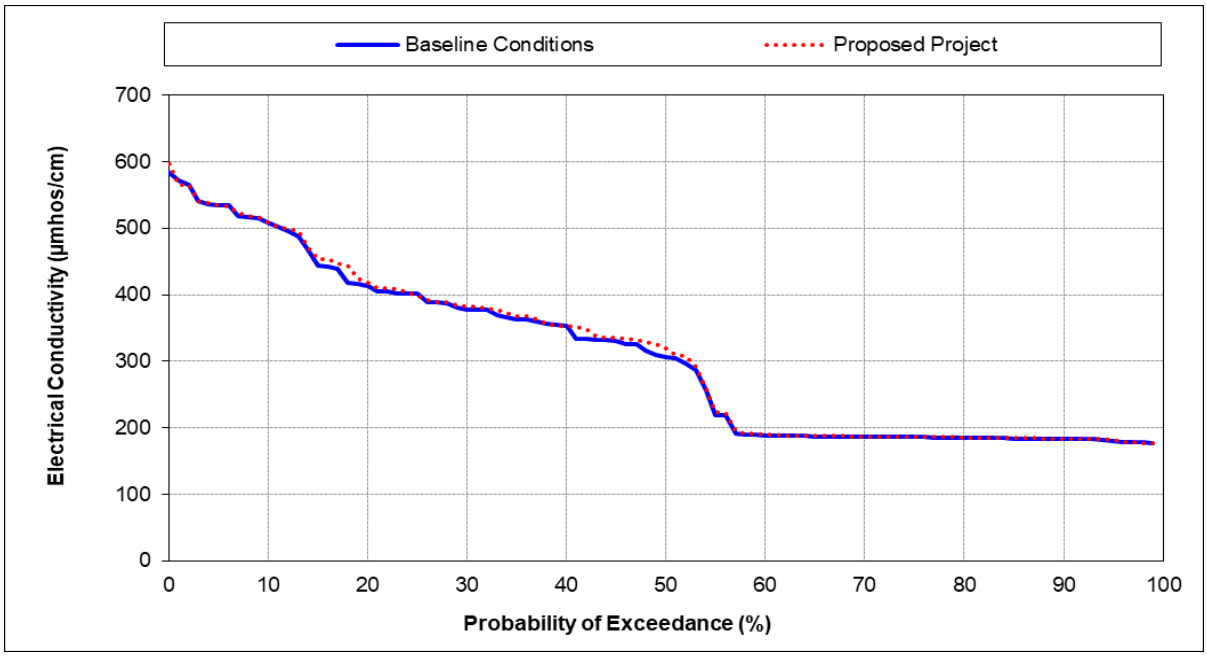


**Figure 5B-12p. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), October**

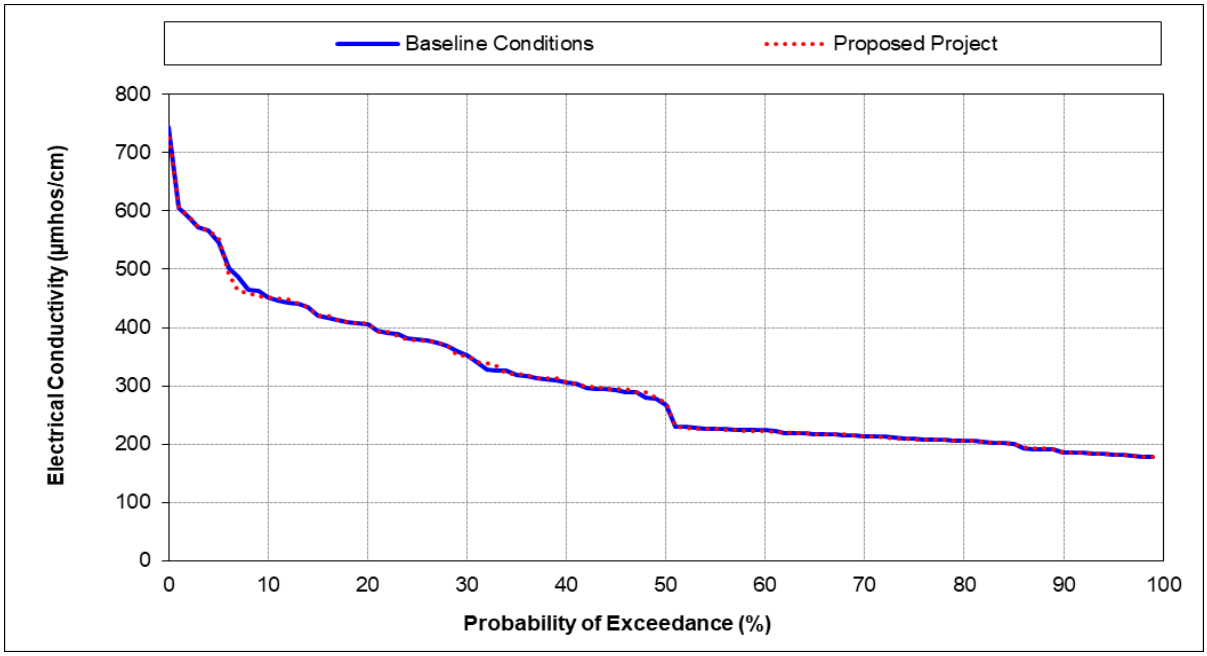


**Figure 5B-12q. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), November**

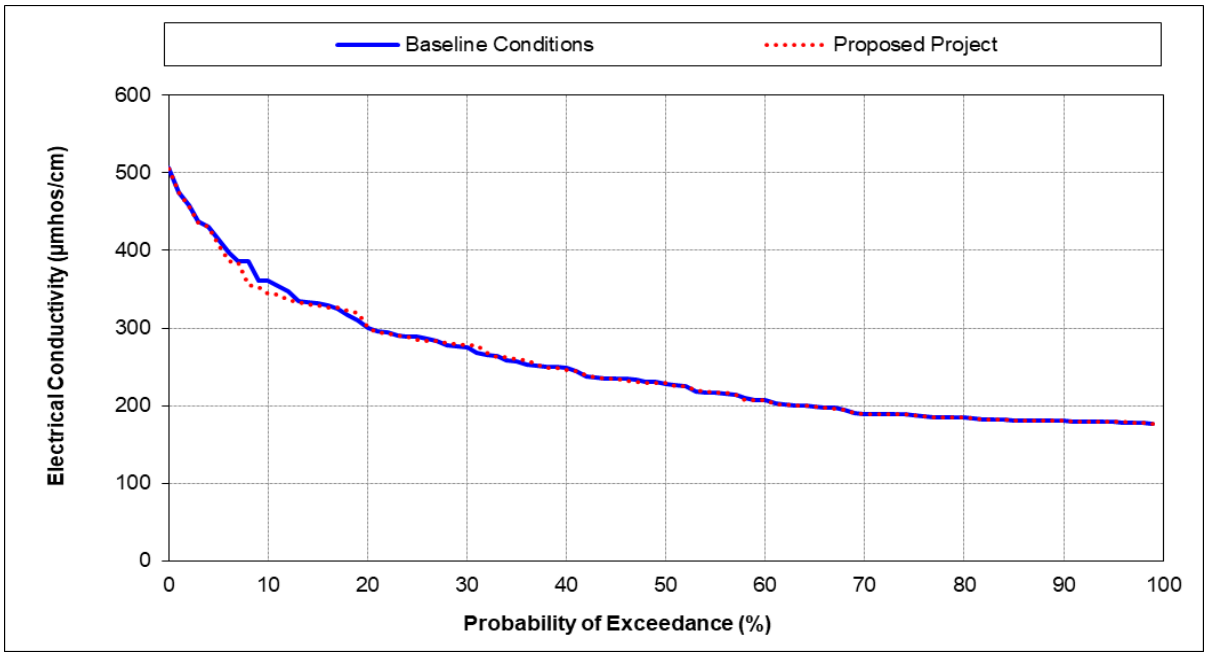


**Figure 5B-12r. Sacramento River at Rio Vista, Monthly Average Electrical Conductivity (in micromhos per centimeter), December**

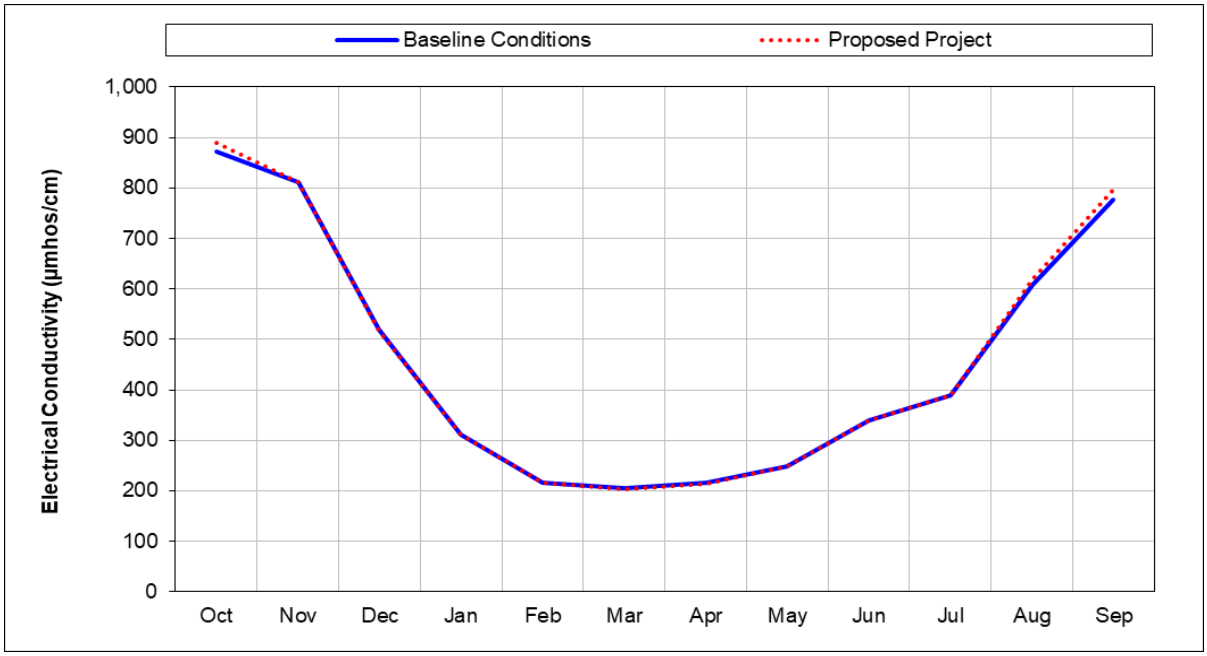


**Figure 5B-13a. Sacramento River at Threemile Slough, Long term Monthly Average Electrical Conductivity (in micromhos per centimeter)**

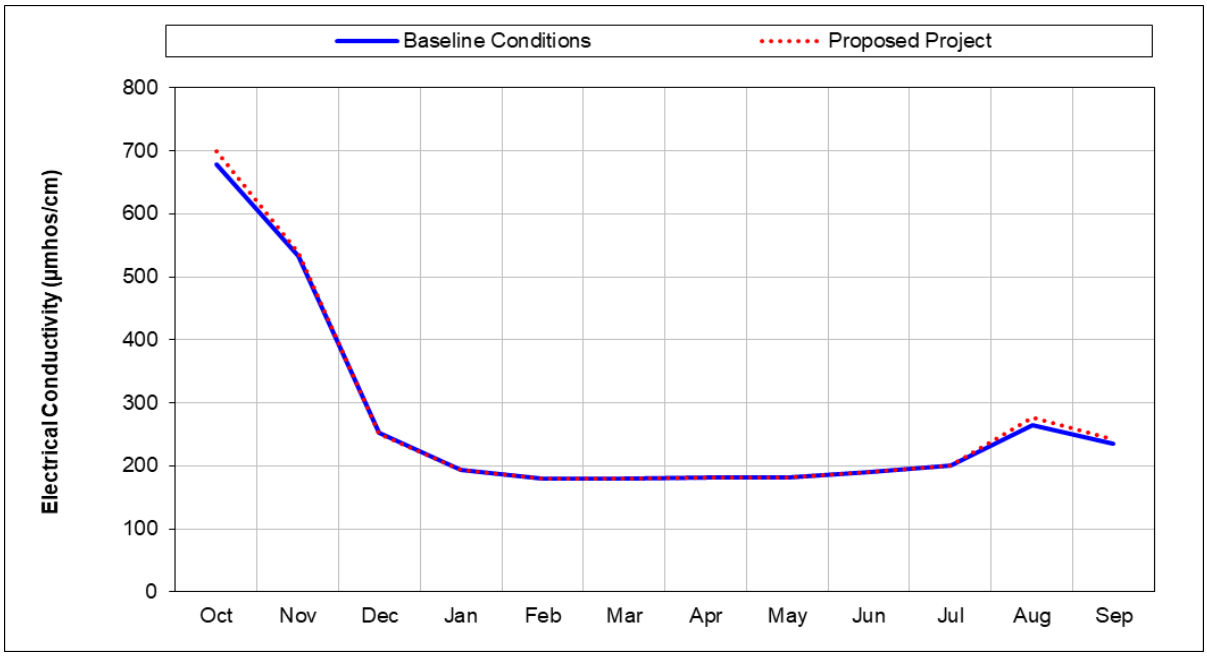


**Figure 5B-13b. Sacramento River at Threemile Slough, Wet Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

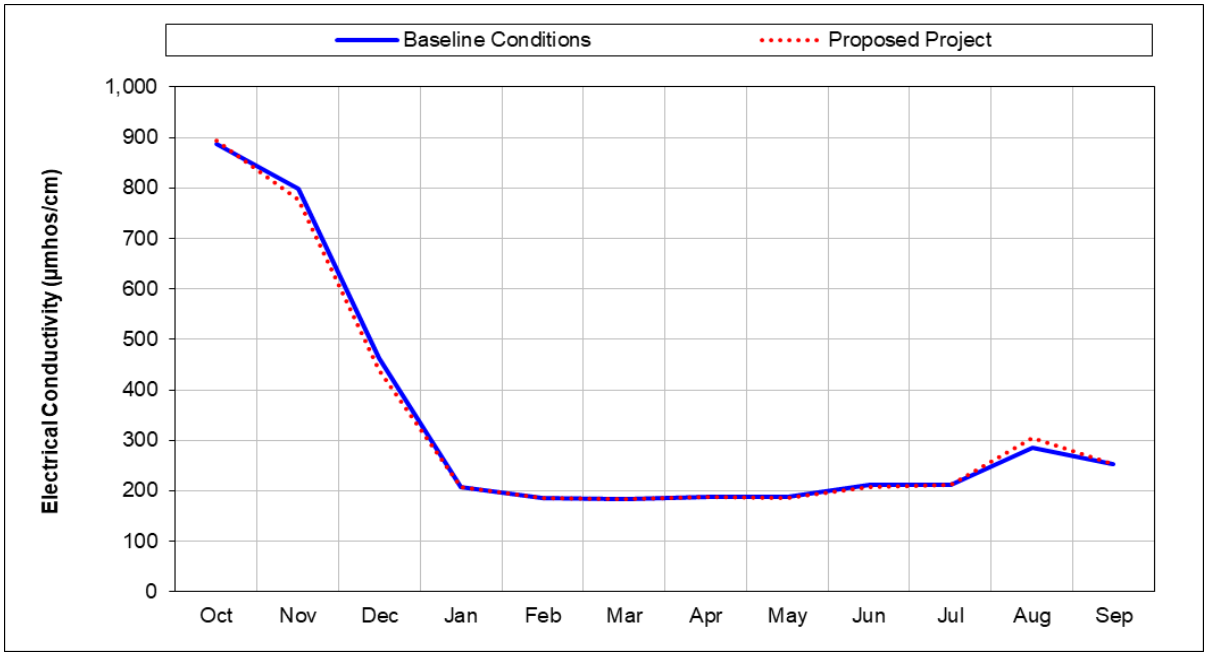


**Figure 5B-13c. Sacramento River at Threemile Slough, Above Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

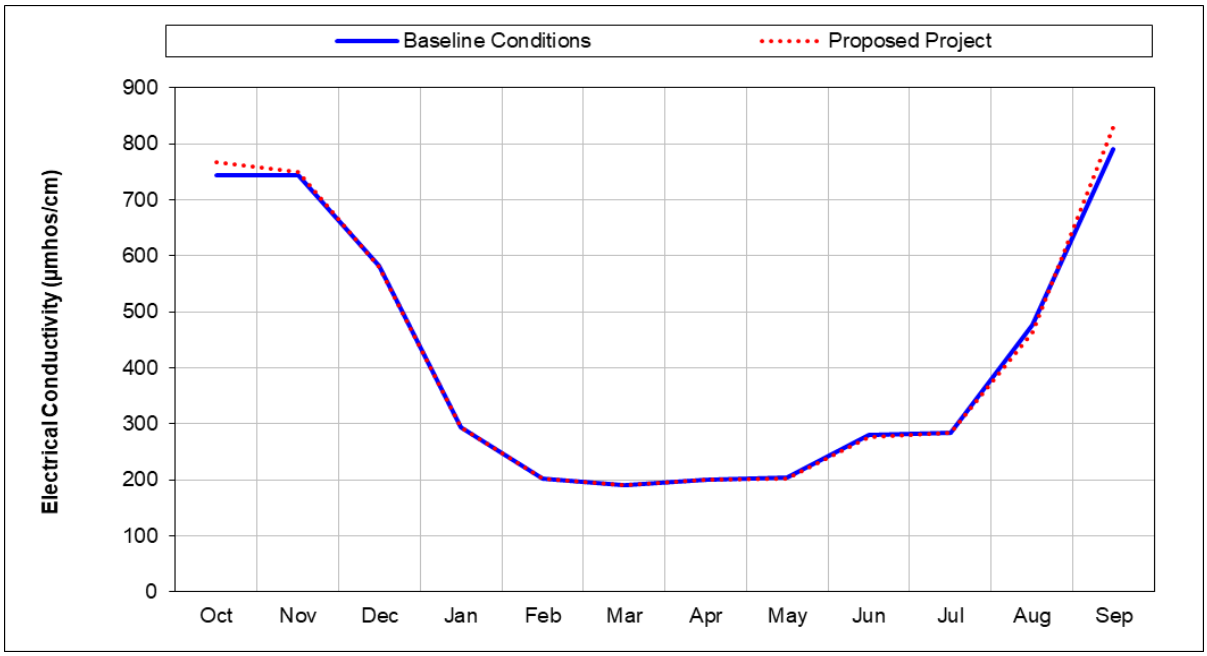


**Figure 5B-13d. Sacramento River at Threemile Slough, Below Normal Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

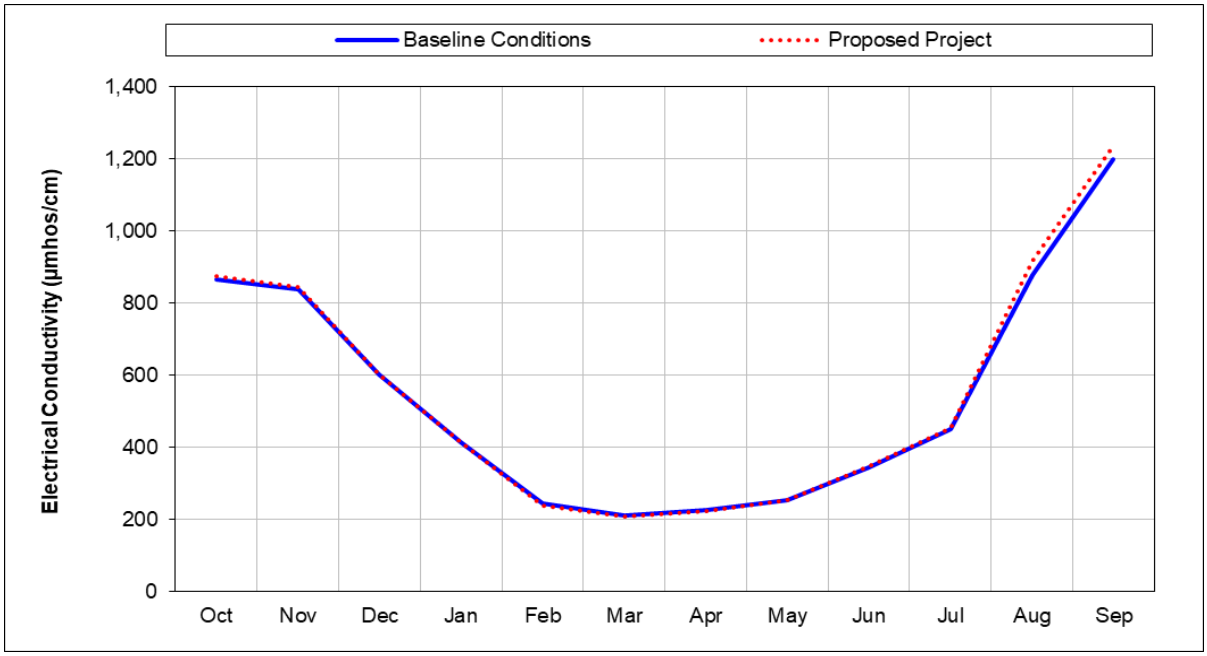


**Figure 5B-13e. Sacramento River at Threemile Slough, Dry Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

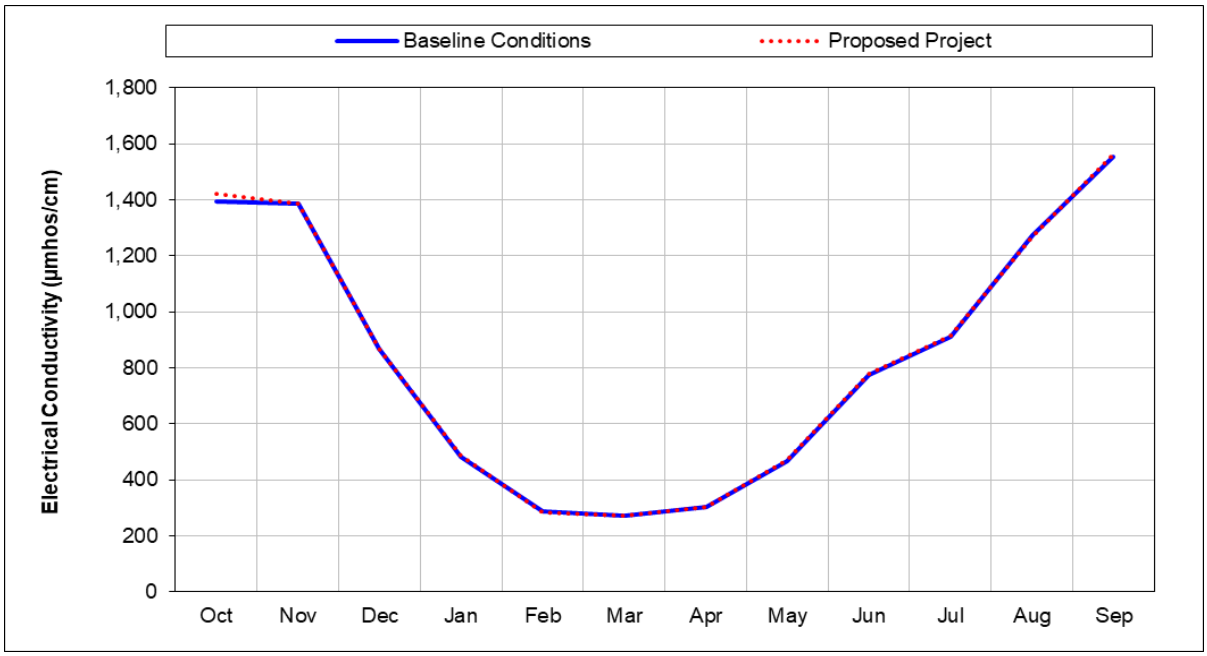


**Figure 5B-13f. Sacramento River at Threemile Slough, Critical Year Monthly Average Electrical Conductivity (in micromhos per centimeter)**

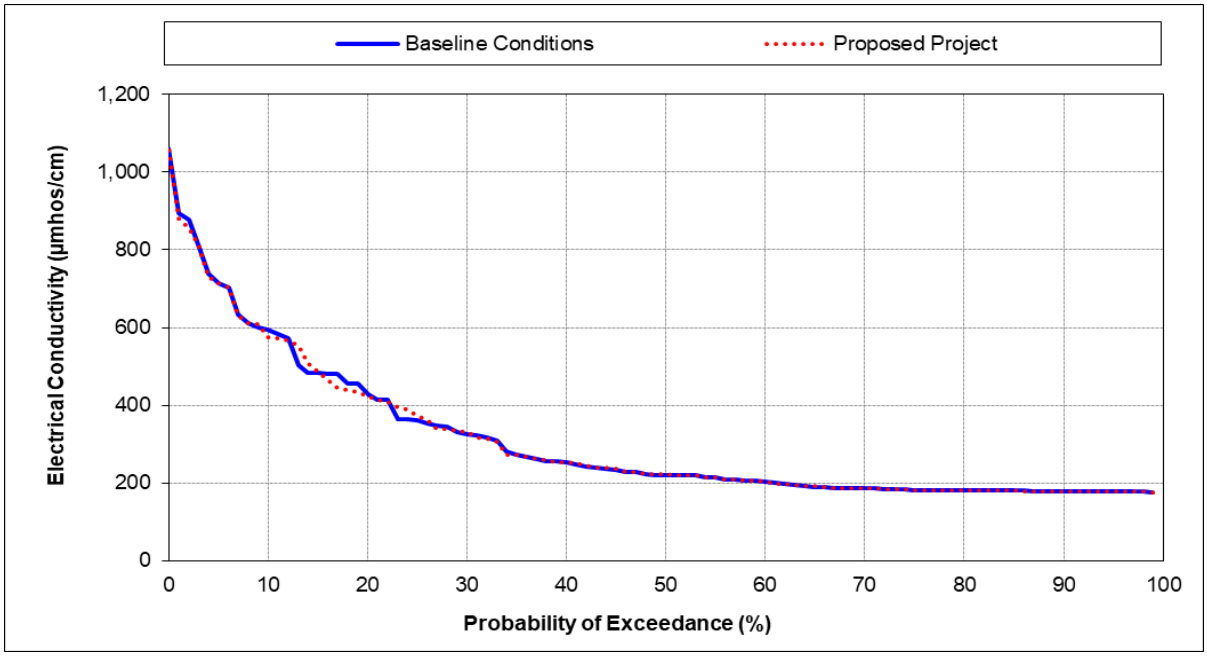


**Figure 5B-13g. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), January**

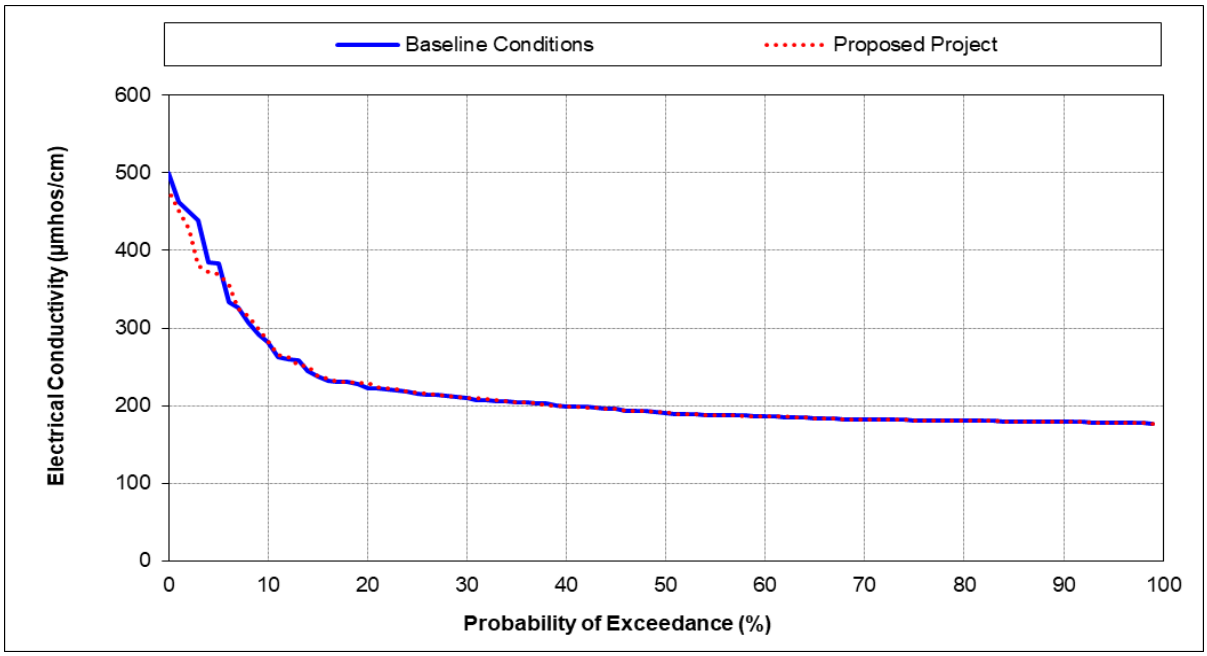


**Figure 5B-13h. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), February**

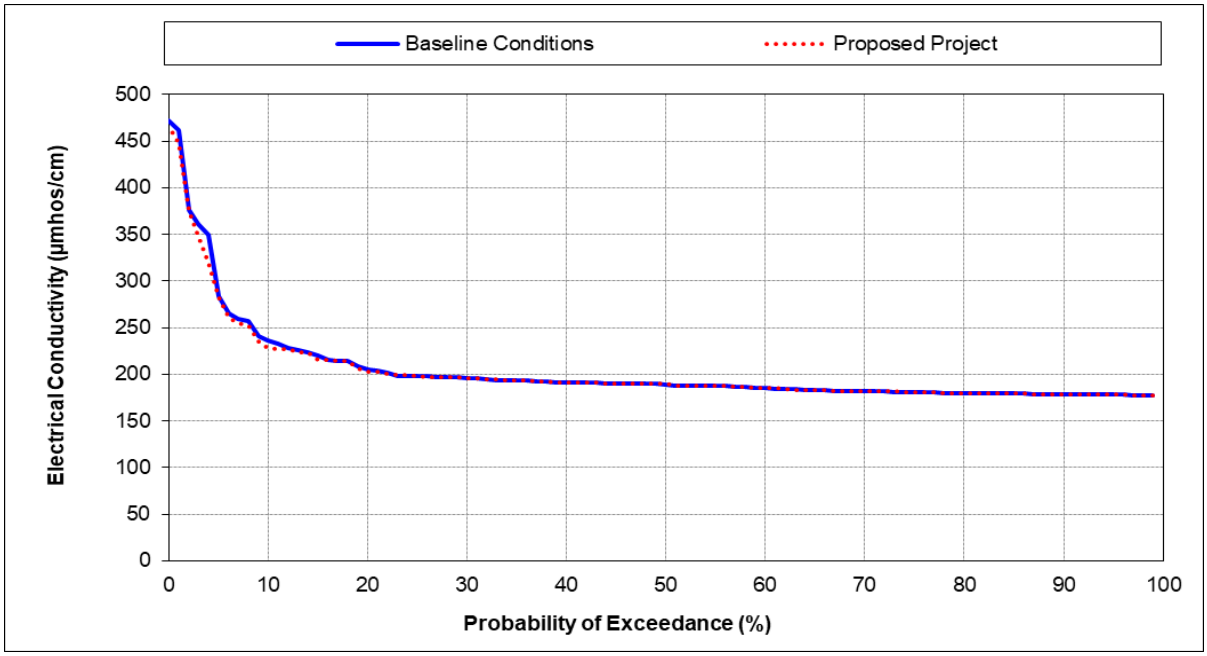


**Figure 5B-13i. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), March**

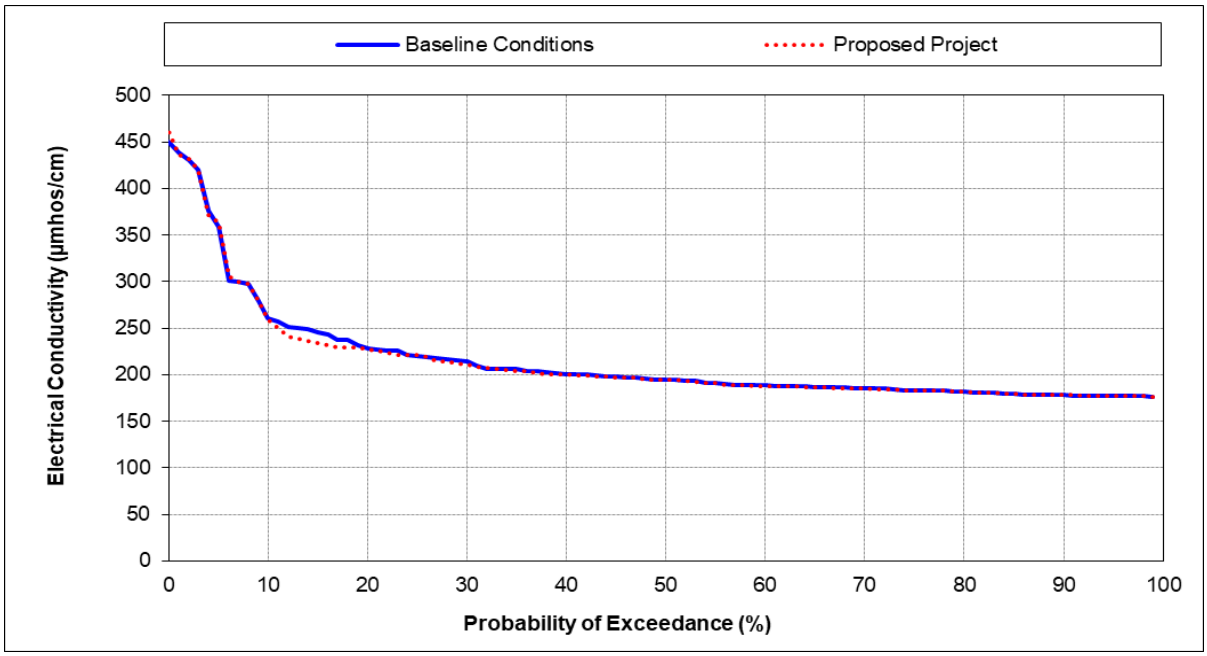


**Figure 5B-13j. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), April**

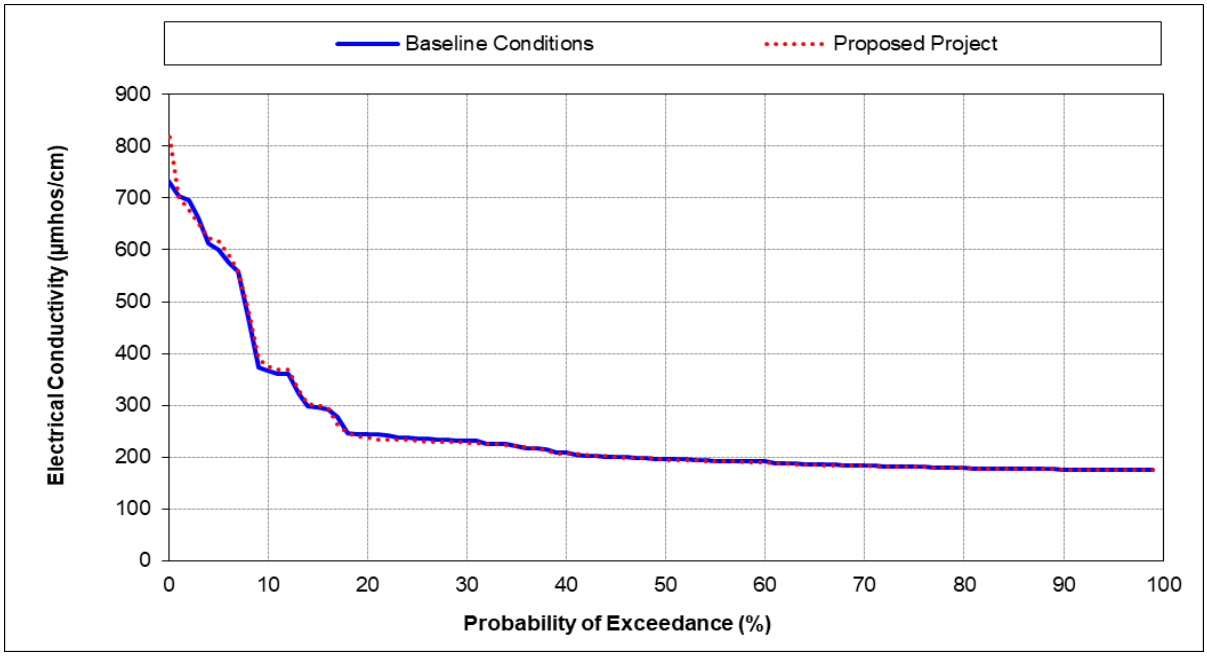


**Figure 5B-13k. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), May**

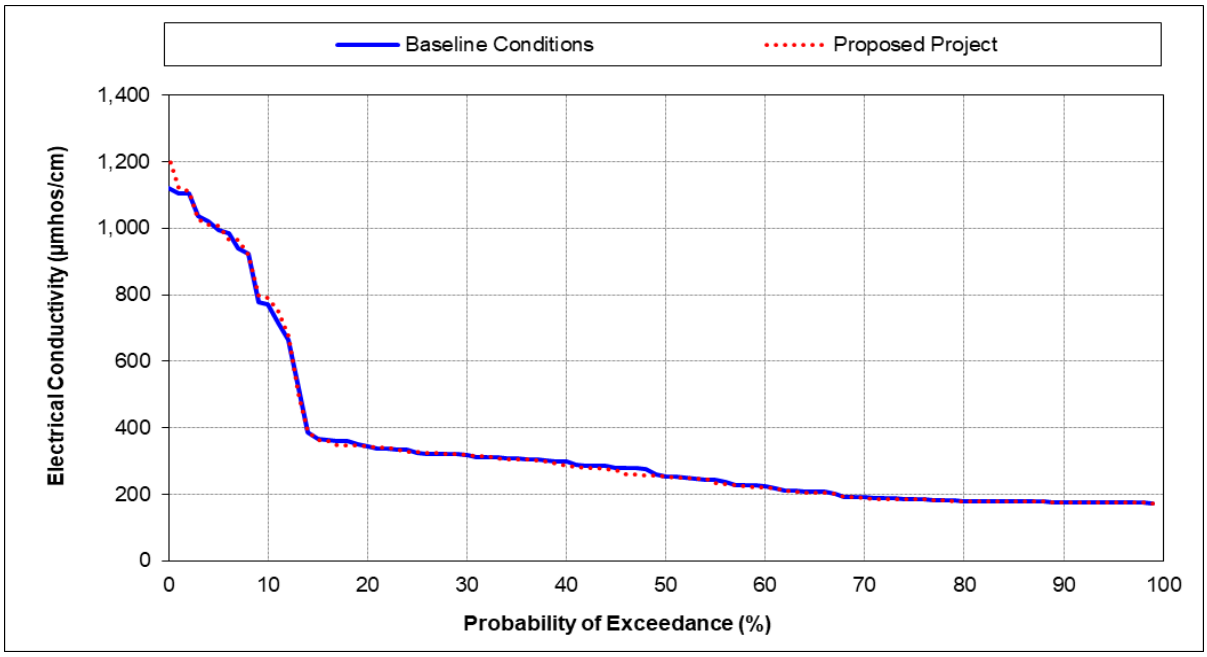


**Figure 5B-13l. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), June**

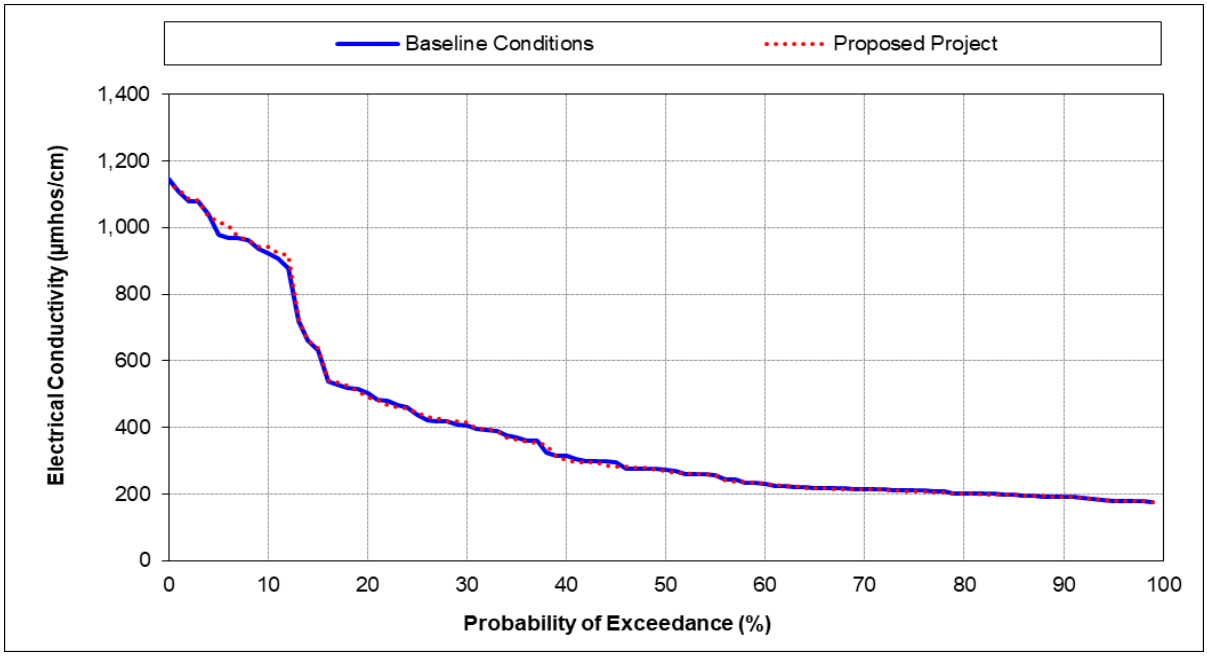


**Figure 5B-13m. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), July**

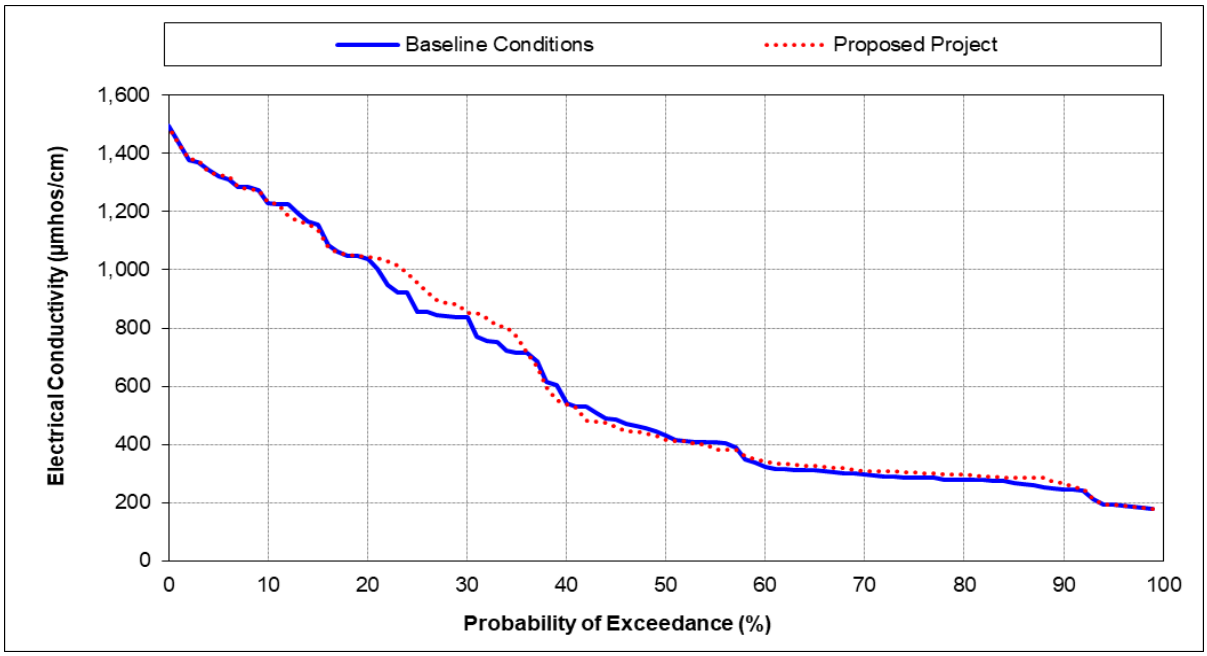


**Figure 5B-13n. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), August**

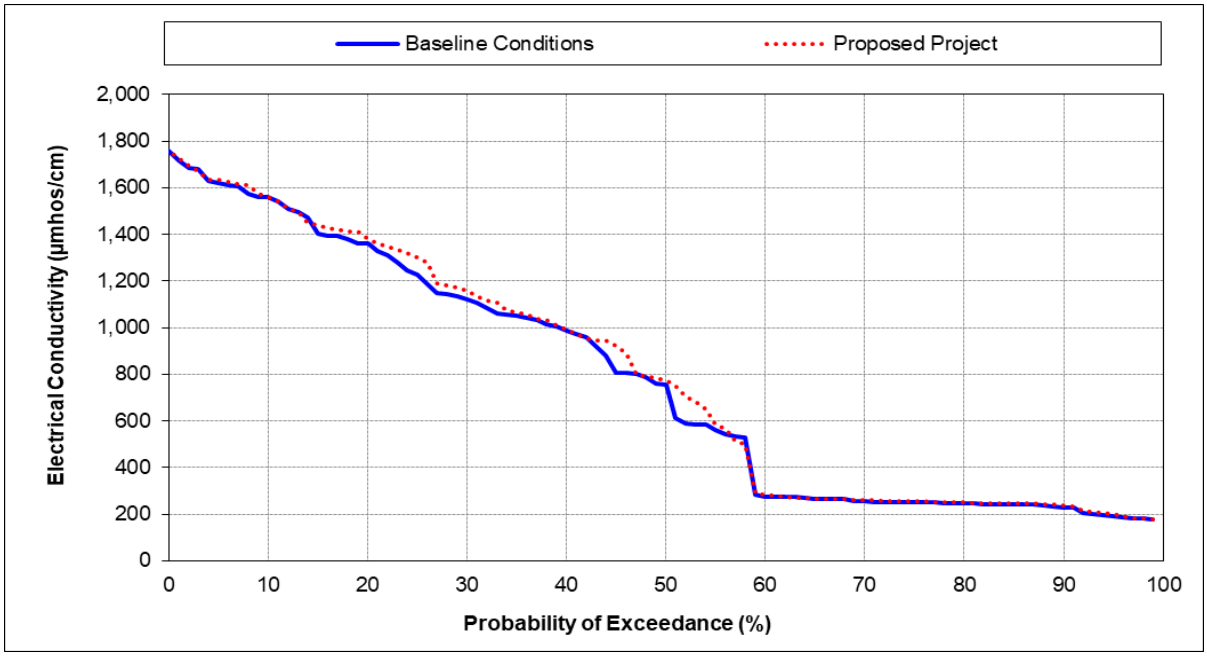


**Figure 5B-13o. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), September**

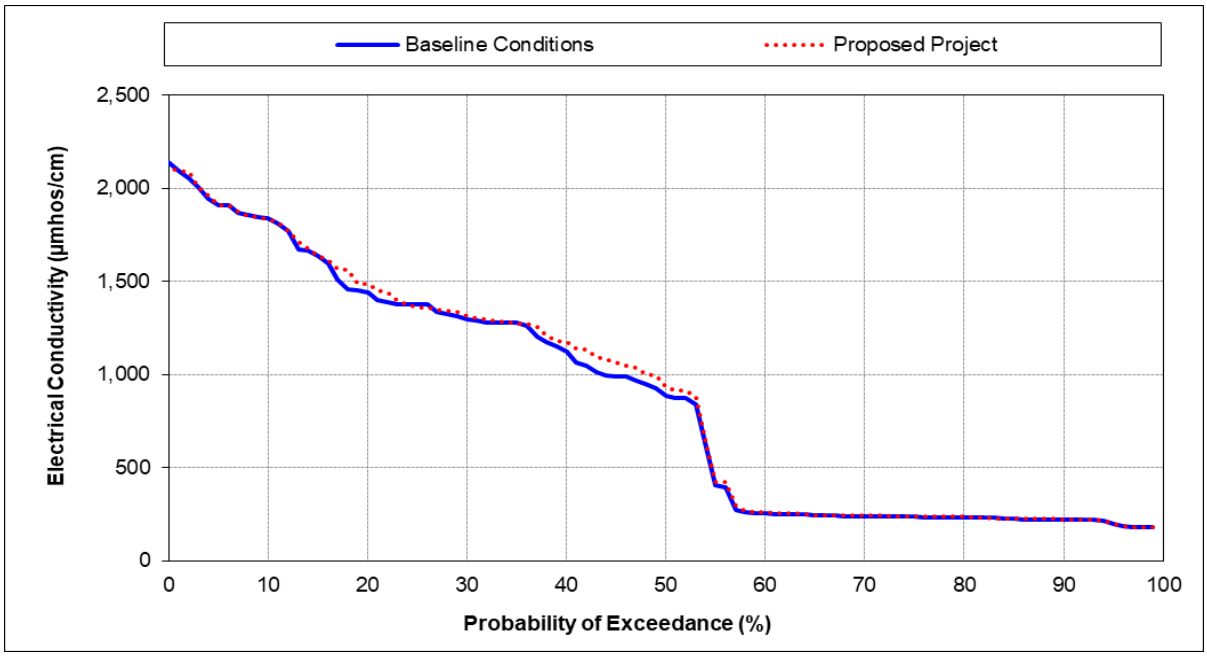


**Figure 5B-13p. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), October**

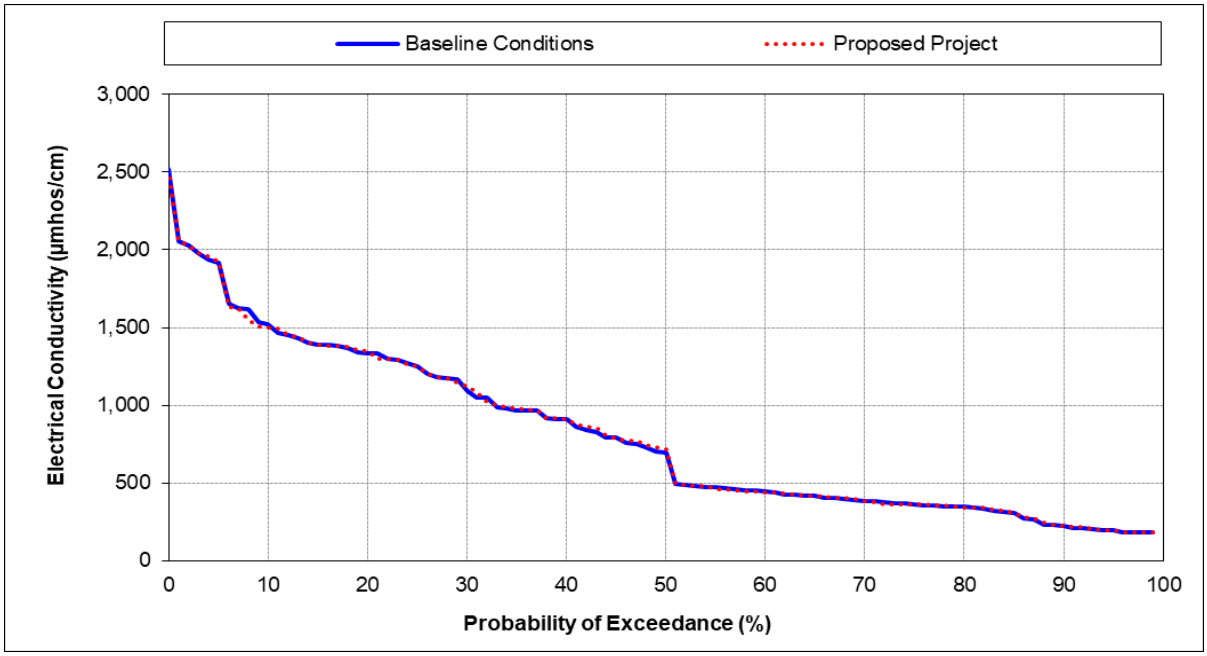


**Figure 5B-13q. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), November**

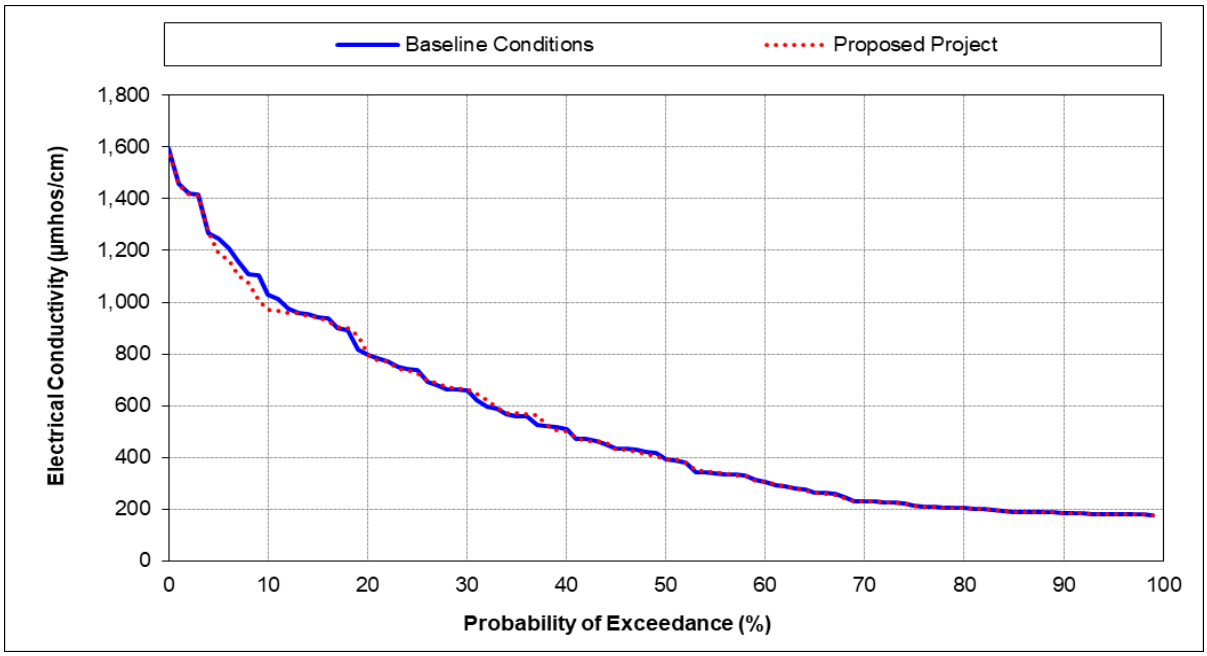


**Figure 5B-13r. Sacramento River at Threemile Slough, Monthly Average Electrical Conductivity (in micromhos per centimeter), December**

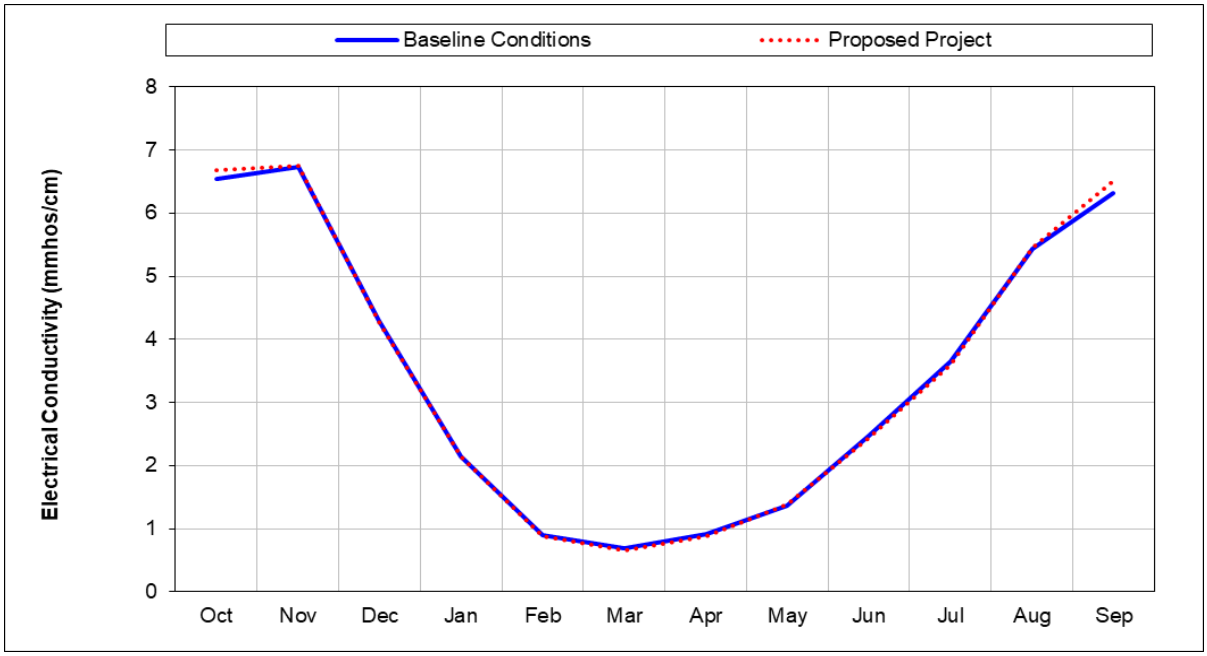


**Figure 5B-14a. Sacramento River at Collinsville, Long term Monthly Average Electrical Conductivity (in millimhos per centimeter)**

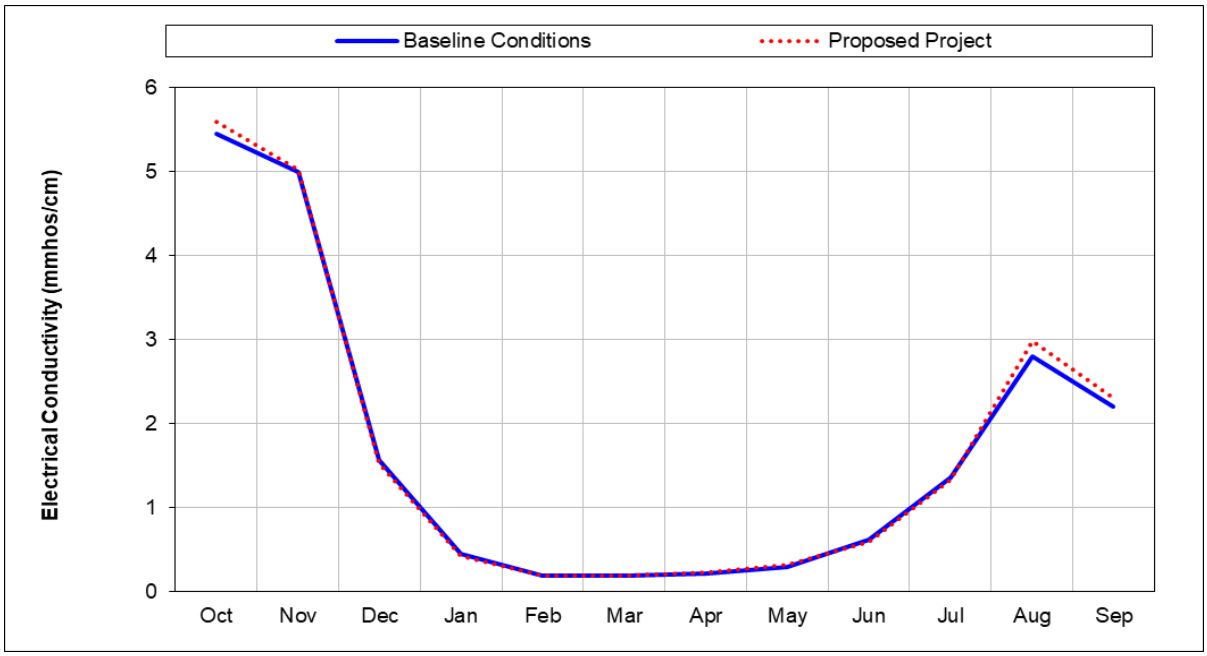


**Figure 5B-14b. Sacramento River at Collinsville, Wet Year Monthly Average Electrical Conductivity (in millimhos per centimeter)**

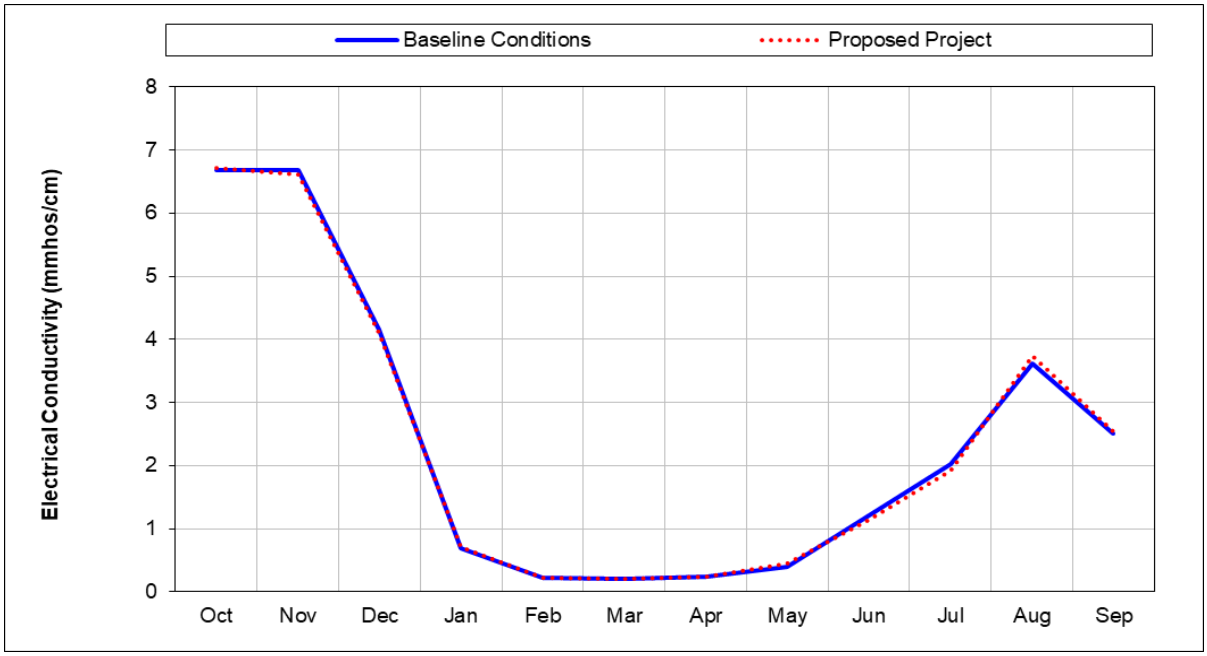


**Figure 5B-14c. Sacramento River at Collinsville, Above Normal Year Monthly Average Electrical Conductivity (in millimhos per centimeter)**

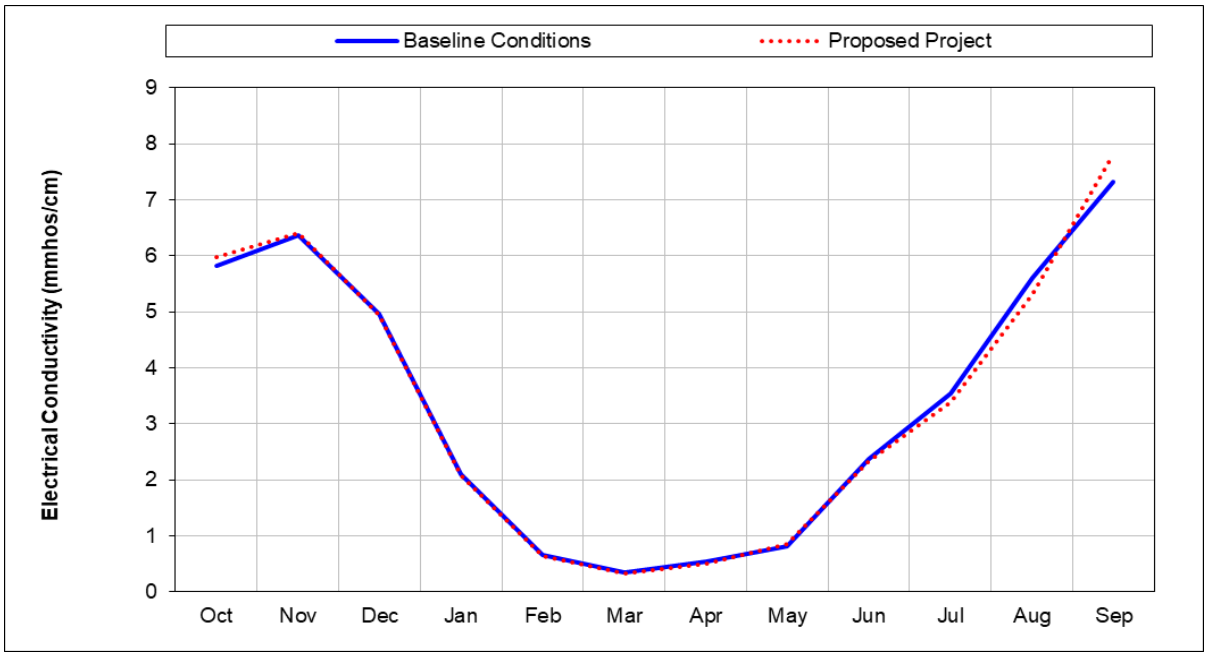


**Figure 5B-14d. Sacramento River at Collinsville, Below Normal Year Monthly Average Electrical Conductivity (in millimhos per centimeter)**

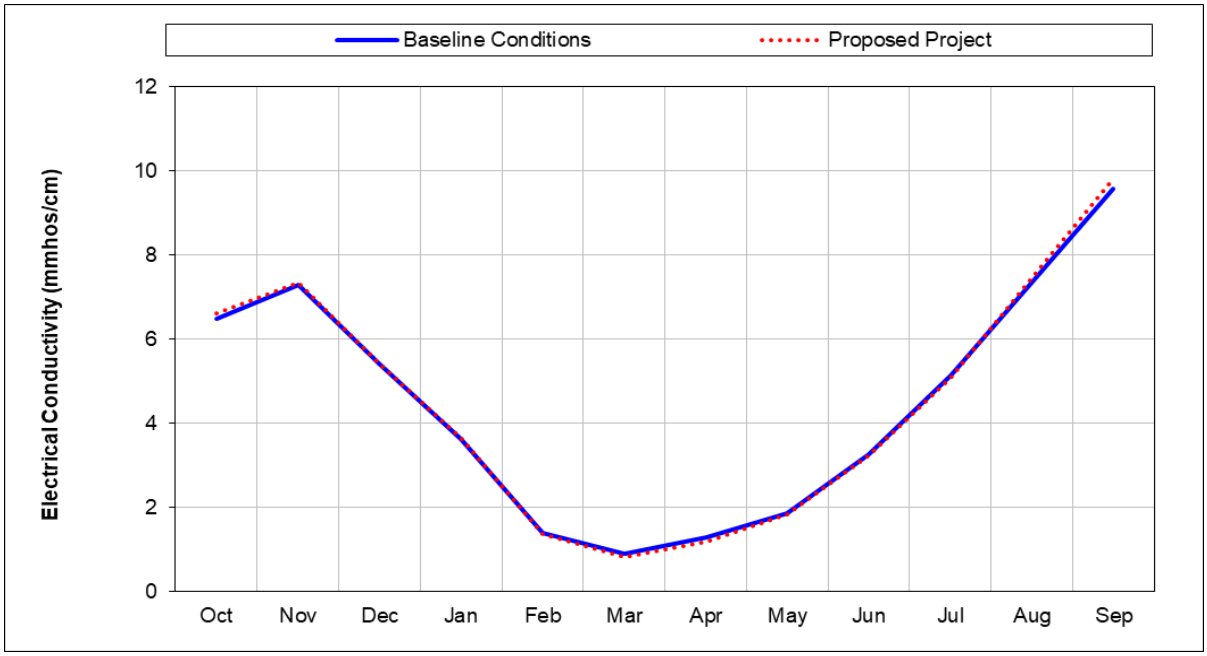


**Figure 5B-14e. Sacramento River at Collinsville, Dry Year Monthly Average Electrical Conductivity (in millimhos per centimeter)**

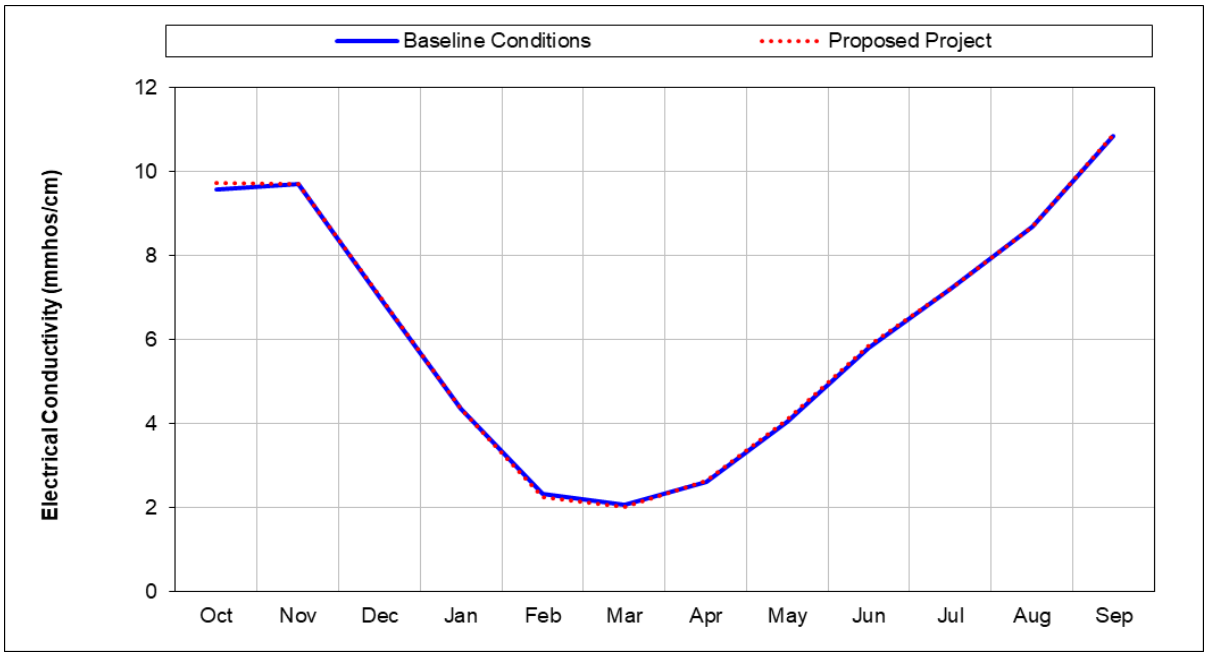


**Figure 5B-14f. Sacramento River at Collinsville, Critical Year Monthly Average Electrical Conductivity (in millimhos per centimeter)**

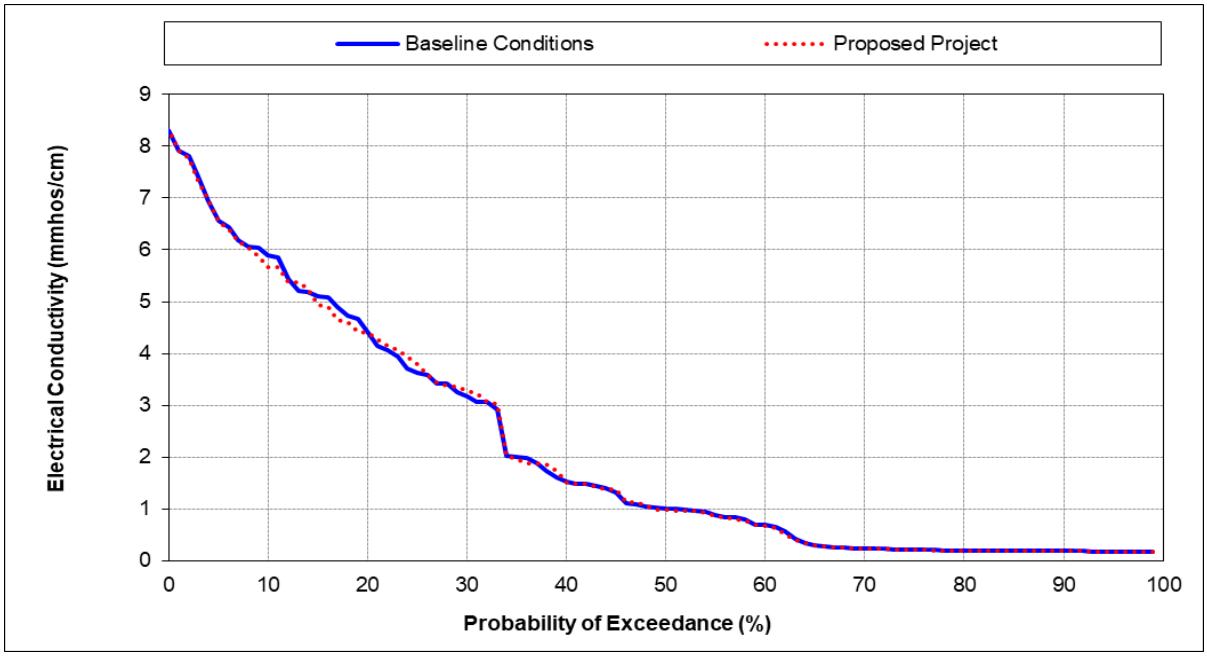


**Figure 5B-14g. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), January**

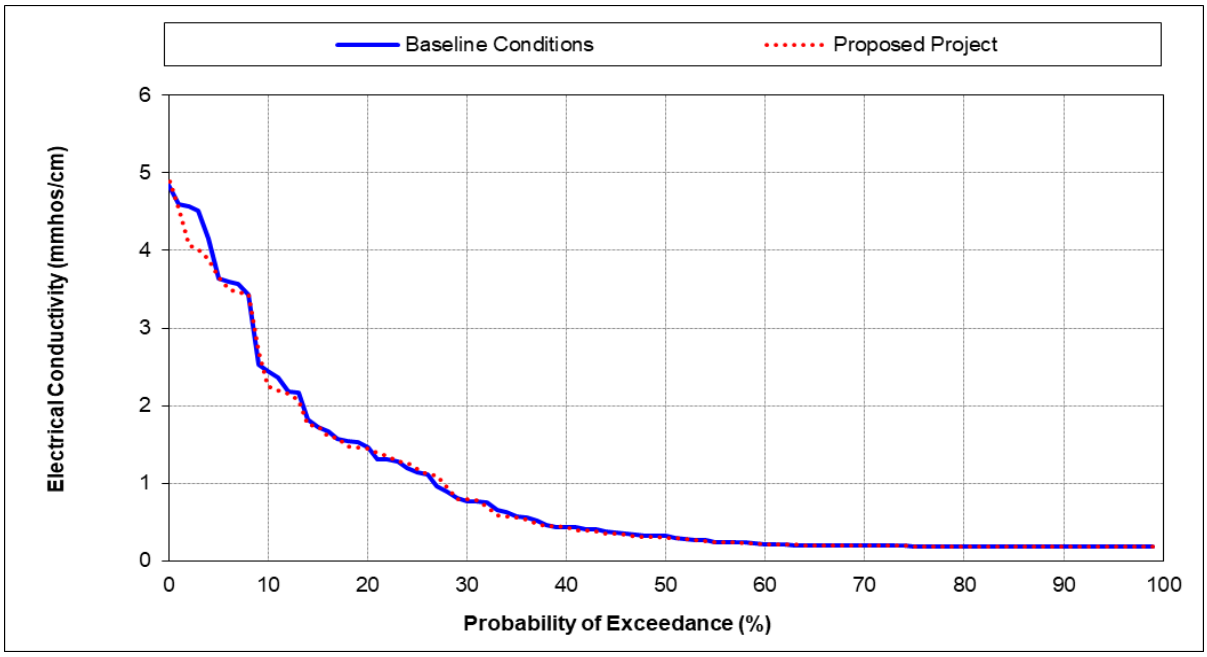


**Figure 5B-14h. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), February**

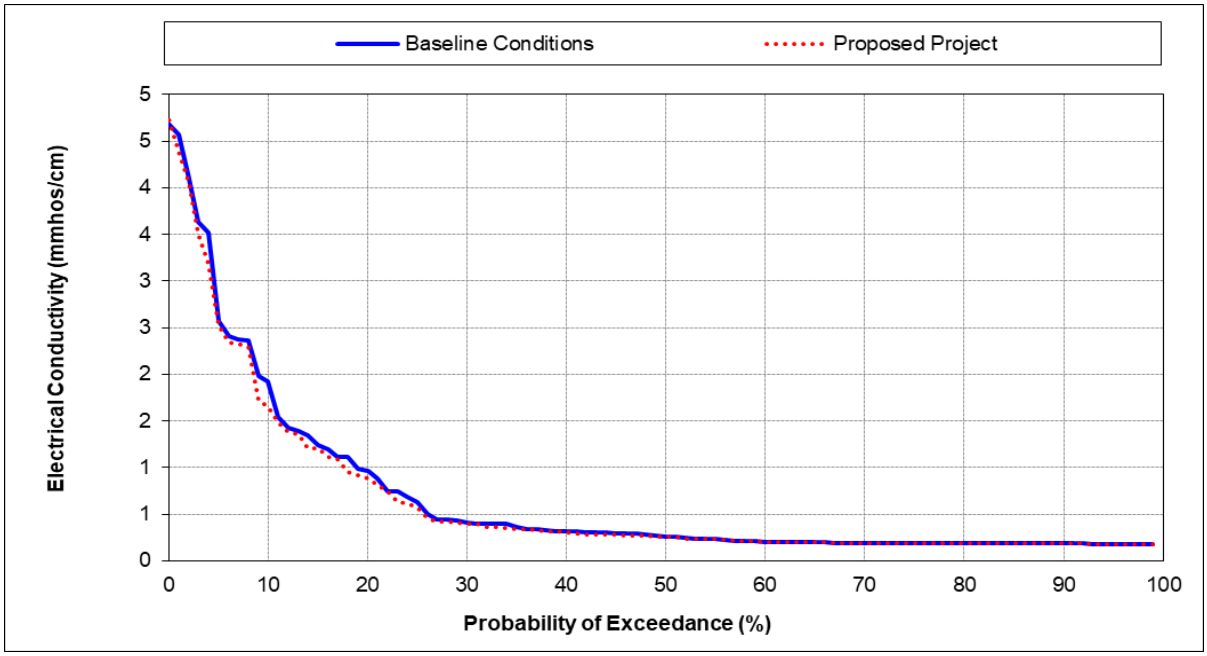


**Figure 5B-14i. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), March**

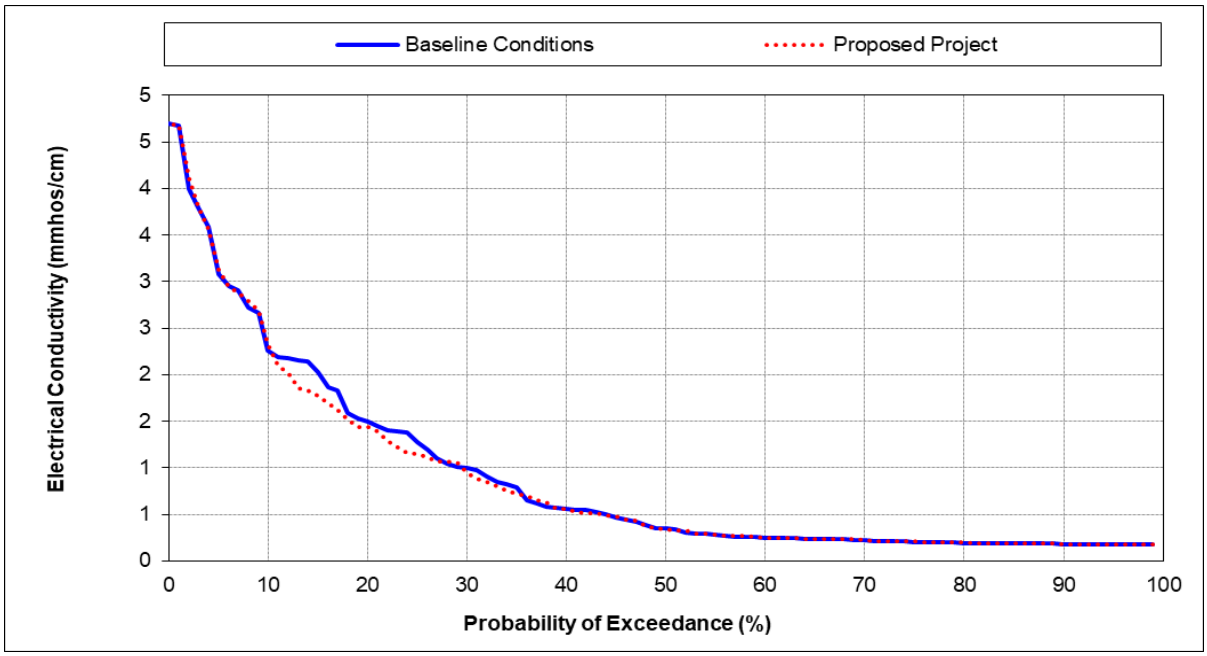


**Figure 5B-14j. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), April**

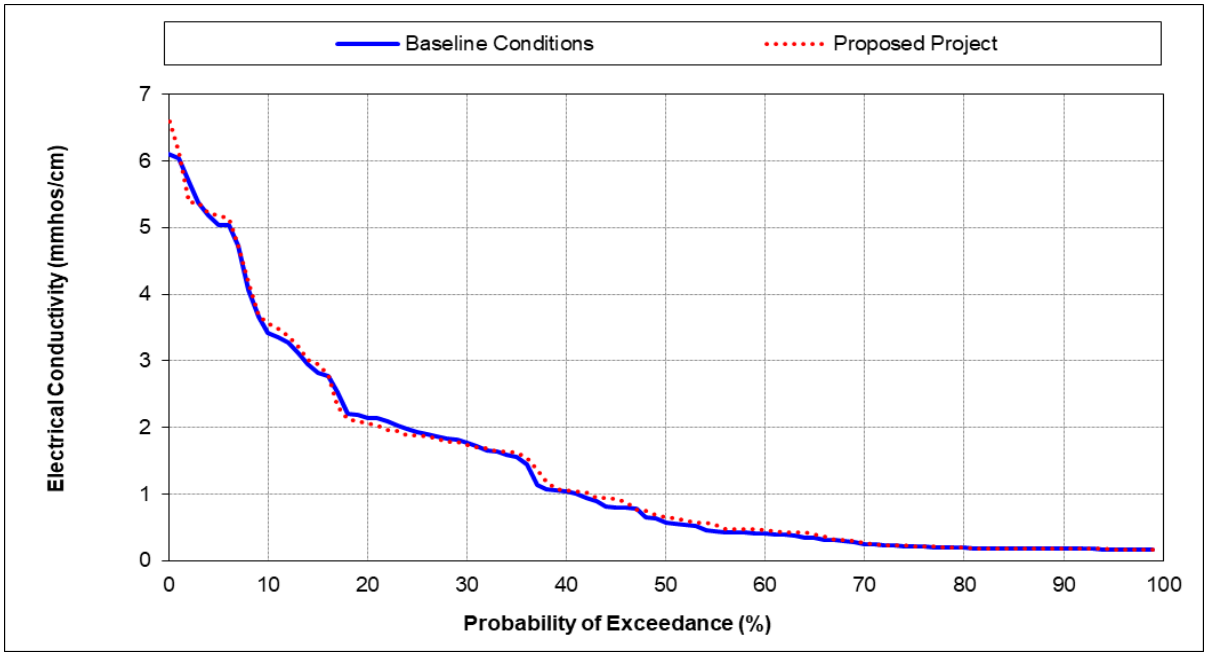


**Figure 5B-14k. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), May**

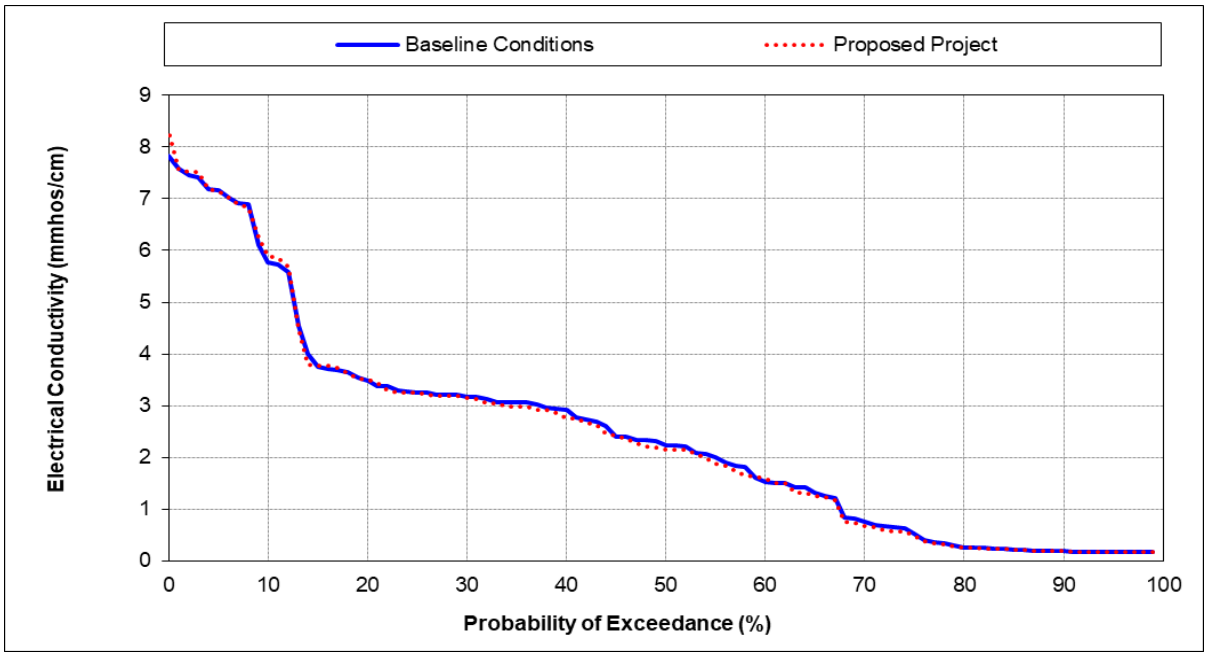


**Figure 5B-14l. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), June**

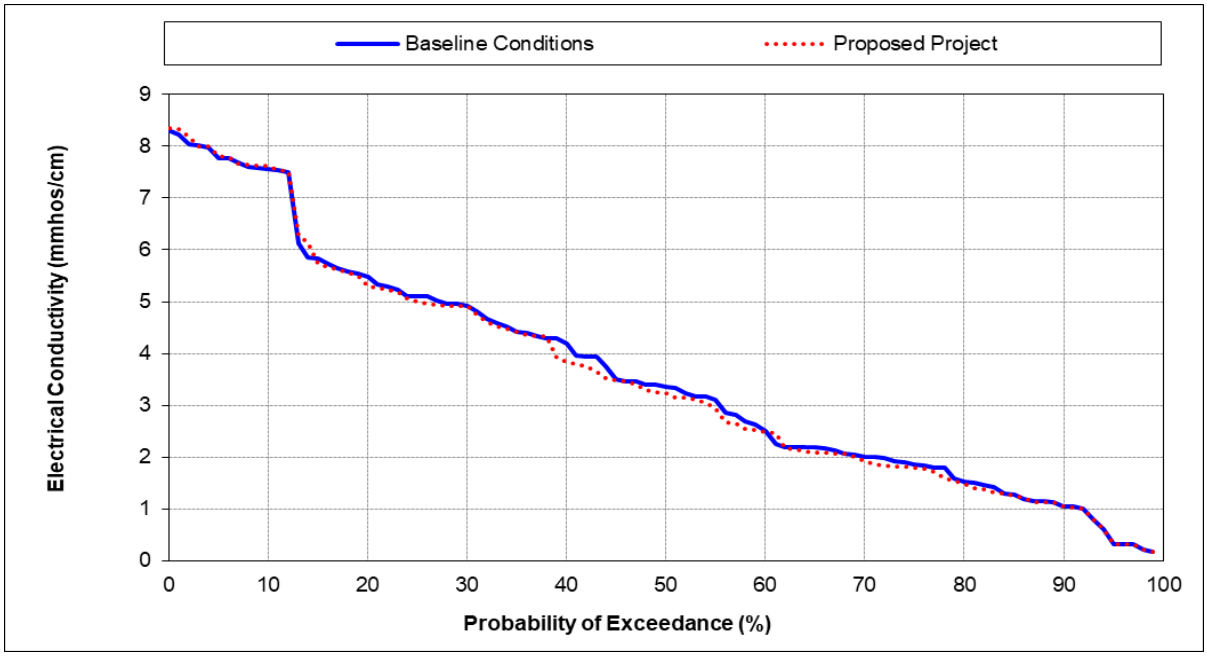


**Figure 5B-14m. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), July**

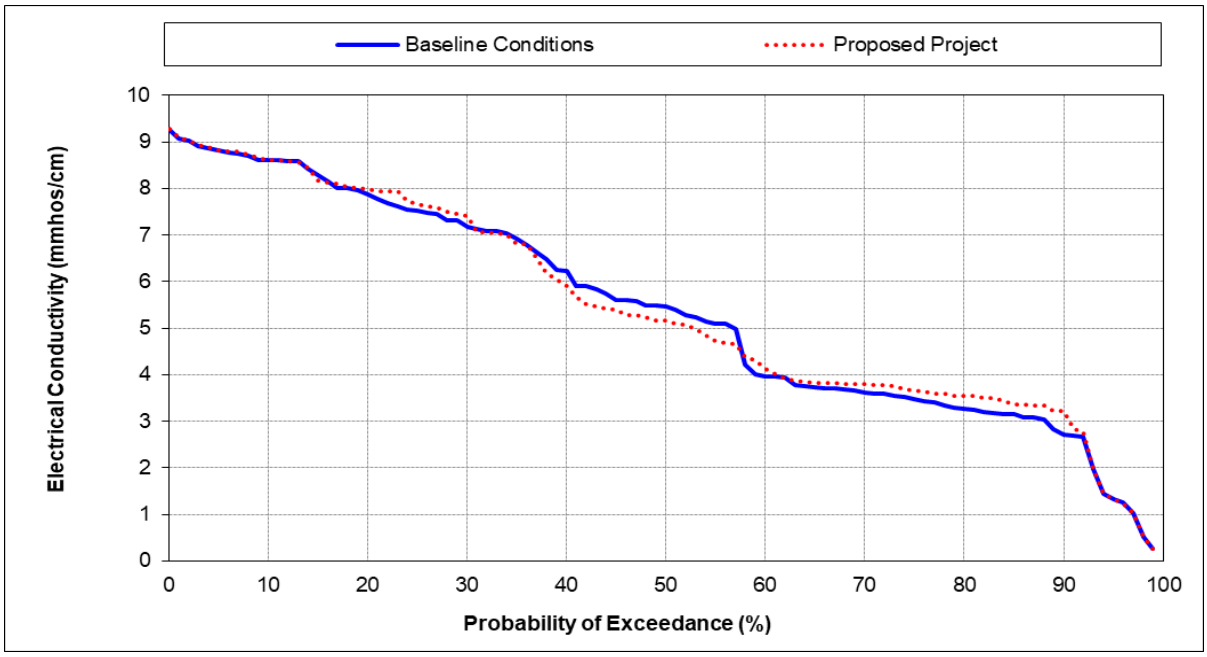


**Figure 5B-14n. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), August**

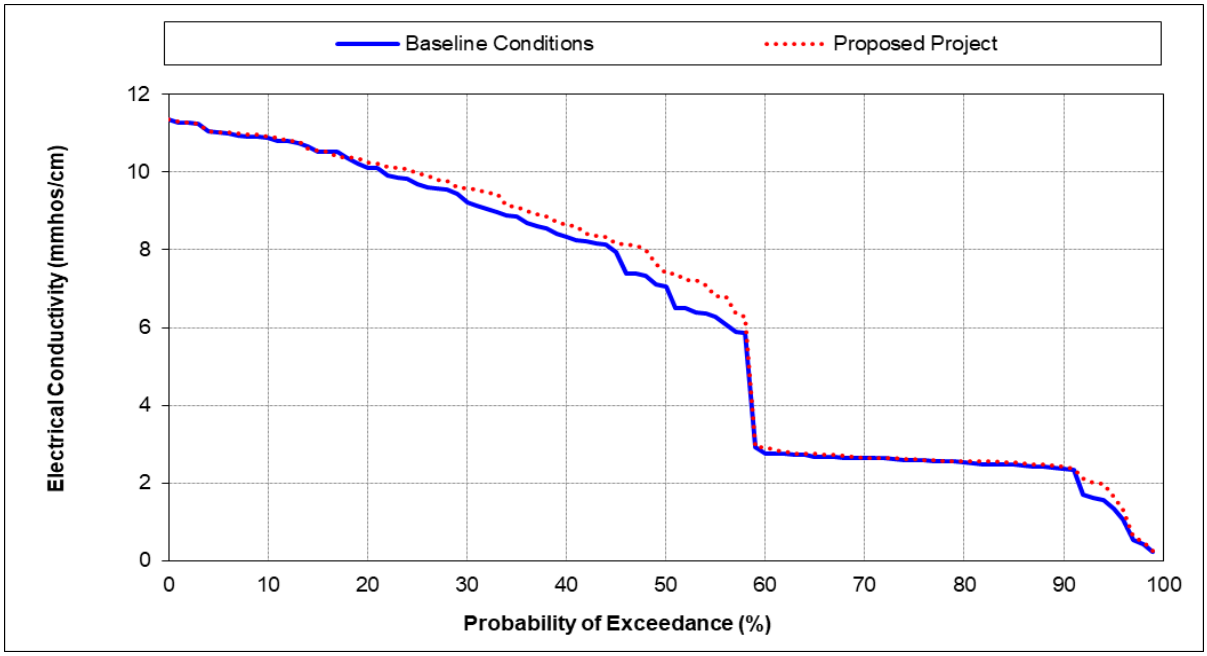


**Figure 5B-14o. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), September**

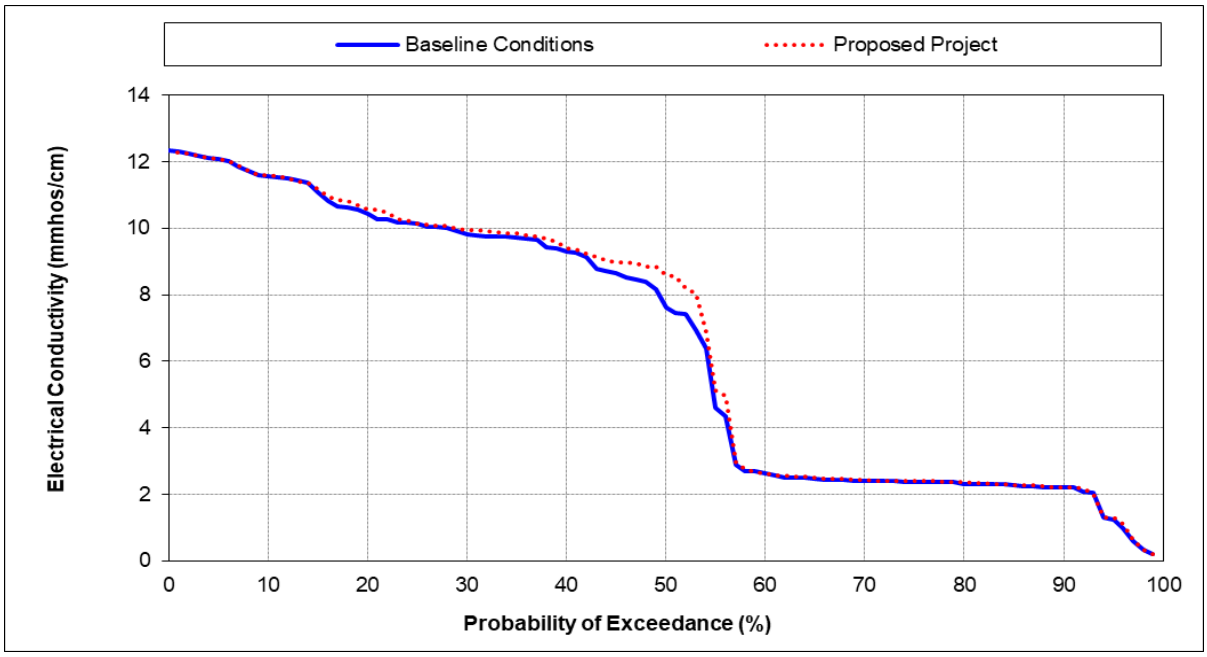


**Figure 5B-14p. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), October**

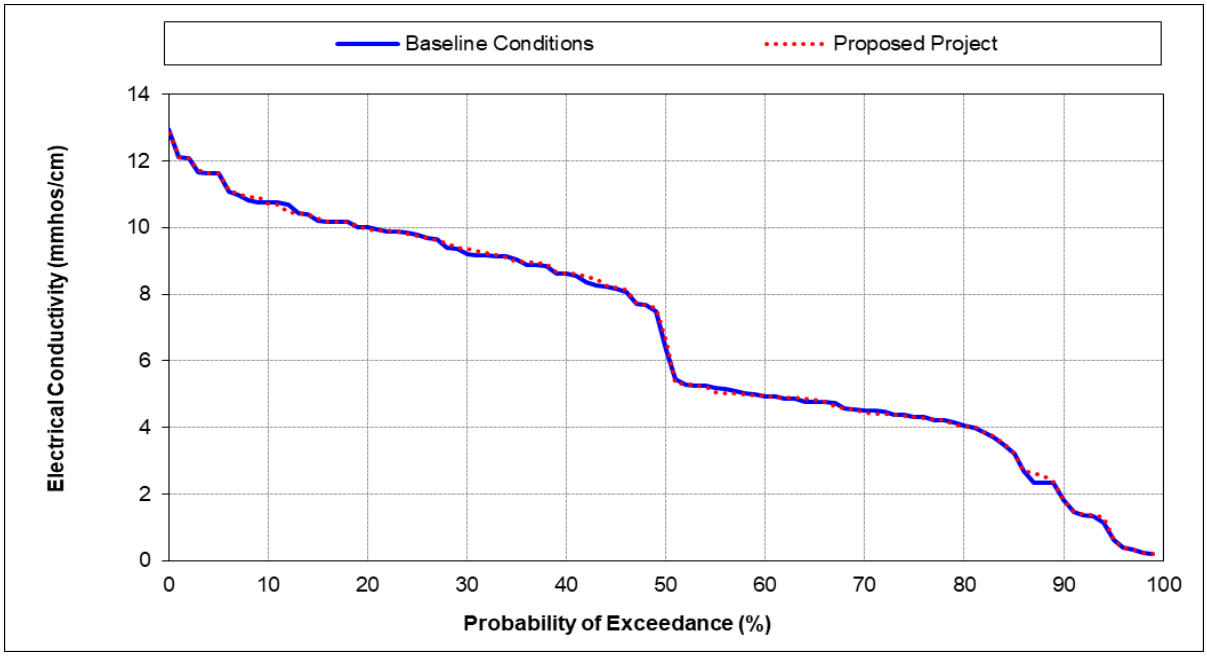


**Figure 5B-14q. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), November**

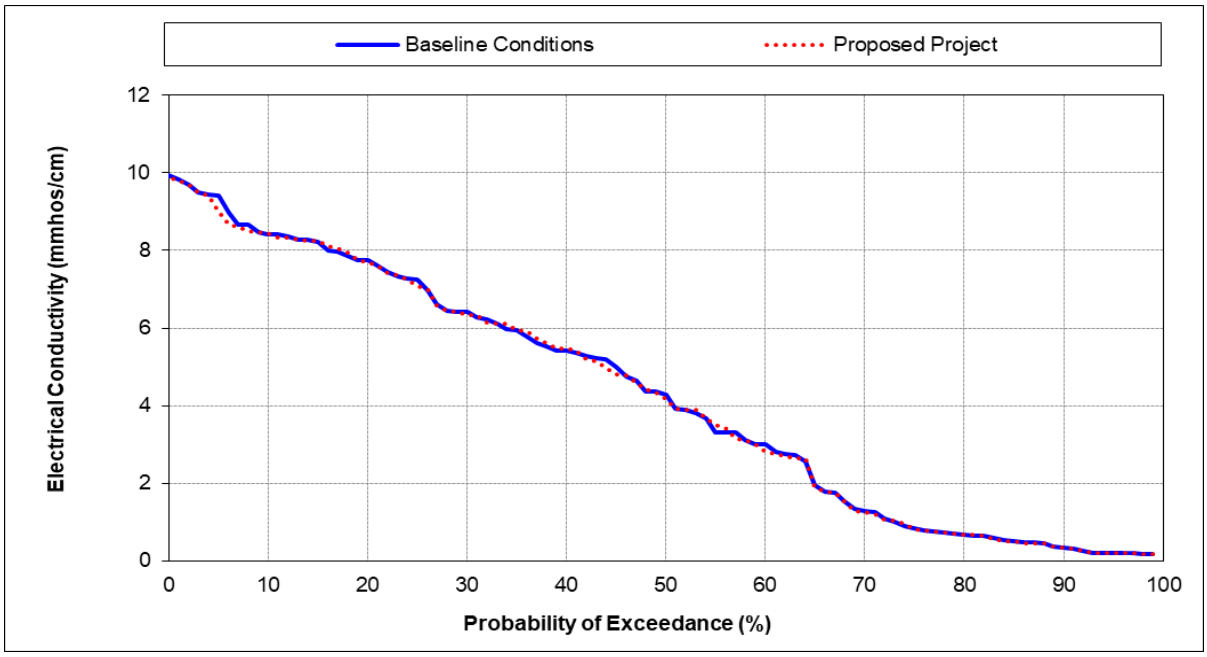


**Figure 5B-14r. Sacramento River at Collinsville, Monthly Average Electrical Conductivity (in millimhos per centimeter), December**

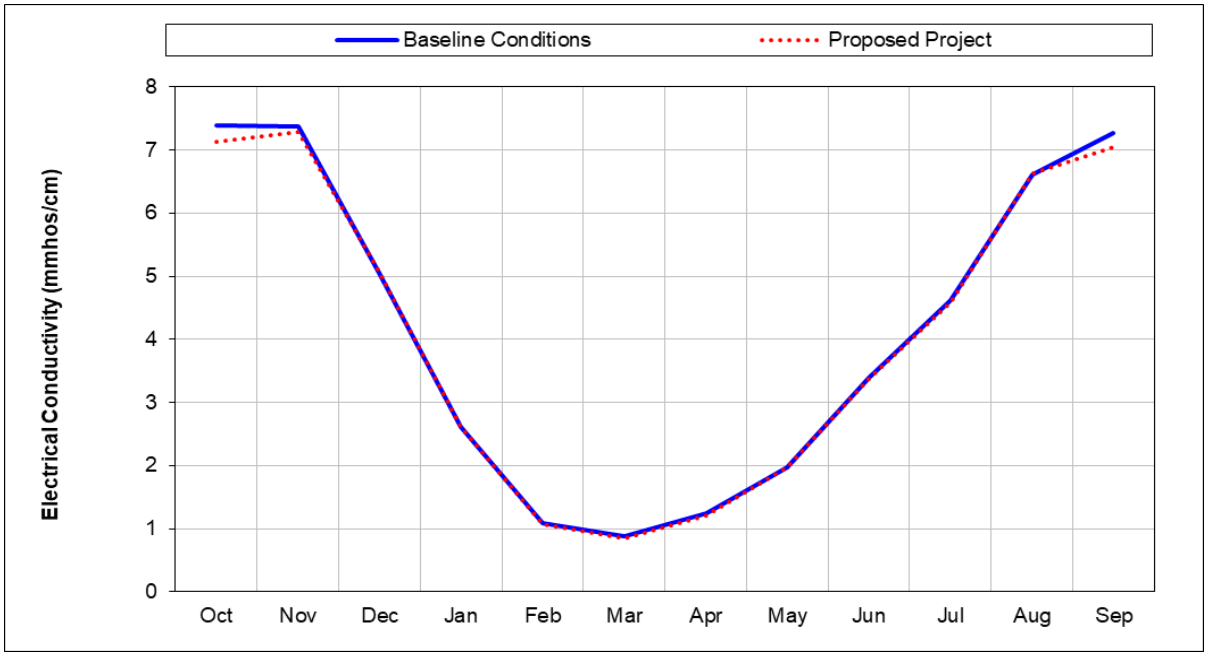


**Figure 5B-15a. Montezuma Slough at National Steel, Long term Monthly Average Electrical Conductivity (in millimhos per centimeter)**

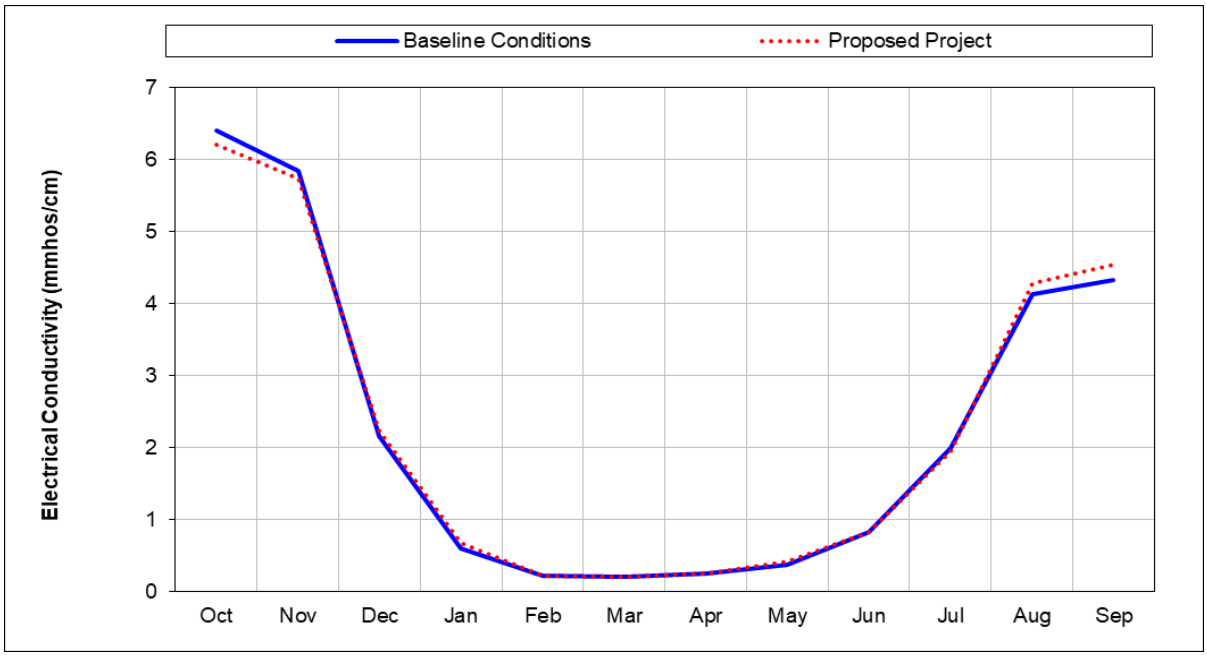


**Figure 5B-15b. Montezuma Slough at National Steel, Wet Year Monthly Average Electrical Conductivity (in millimhos per centimeter)**

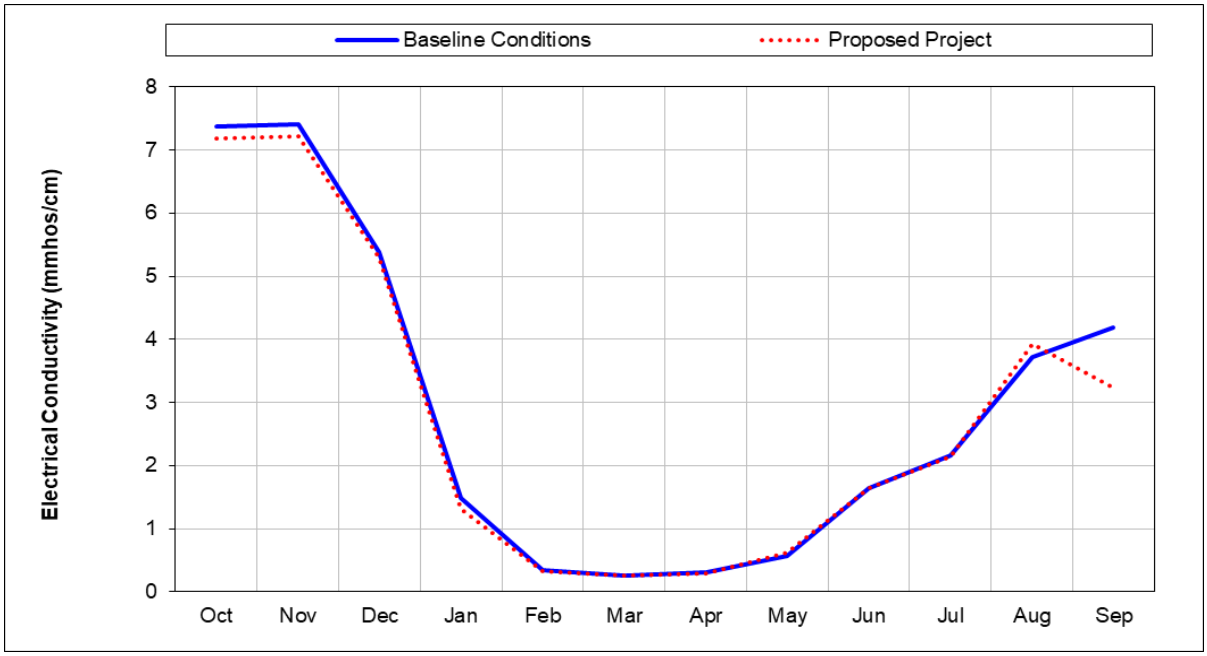


**Figure 5B-15c. Montezuma Slough at National Steel, Above Normal Year Monthly Average Electrical Conductivity (in millimhos per centimeter)**

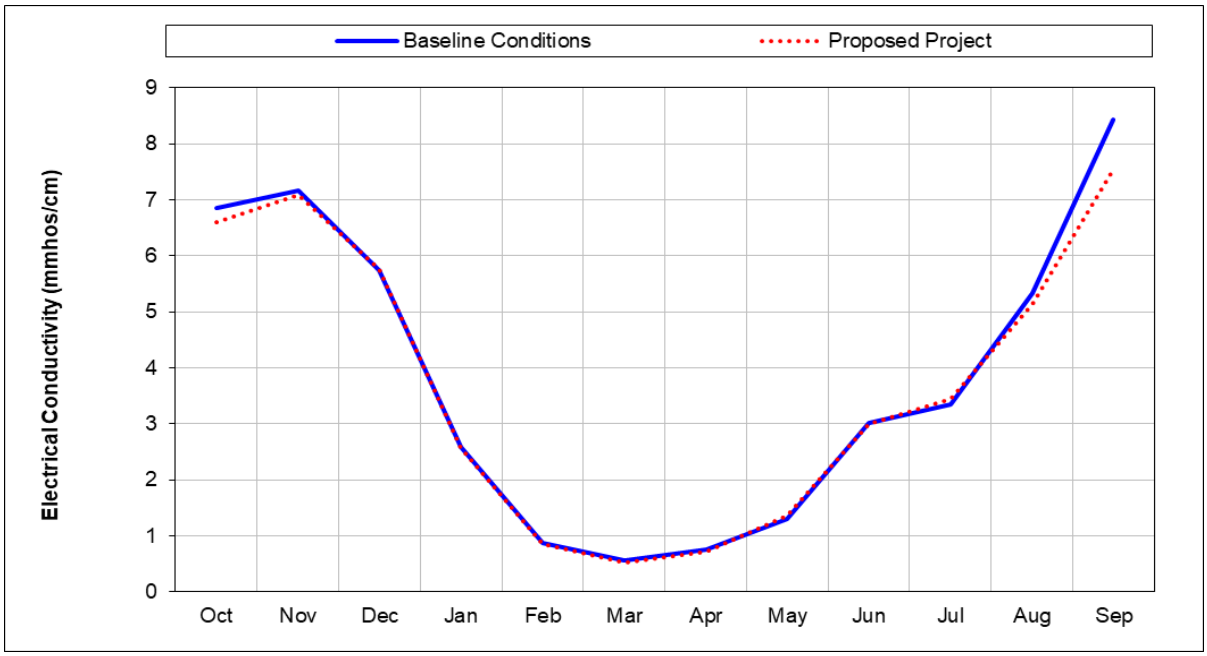


**Figure 5B-15d. Montezuma Slough at National Steel, Below Normal Year Monthly Average Electrical Conductivity (in millimhos per centimeter)**

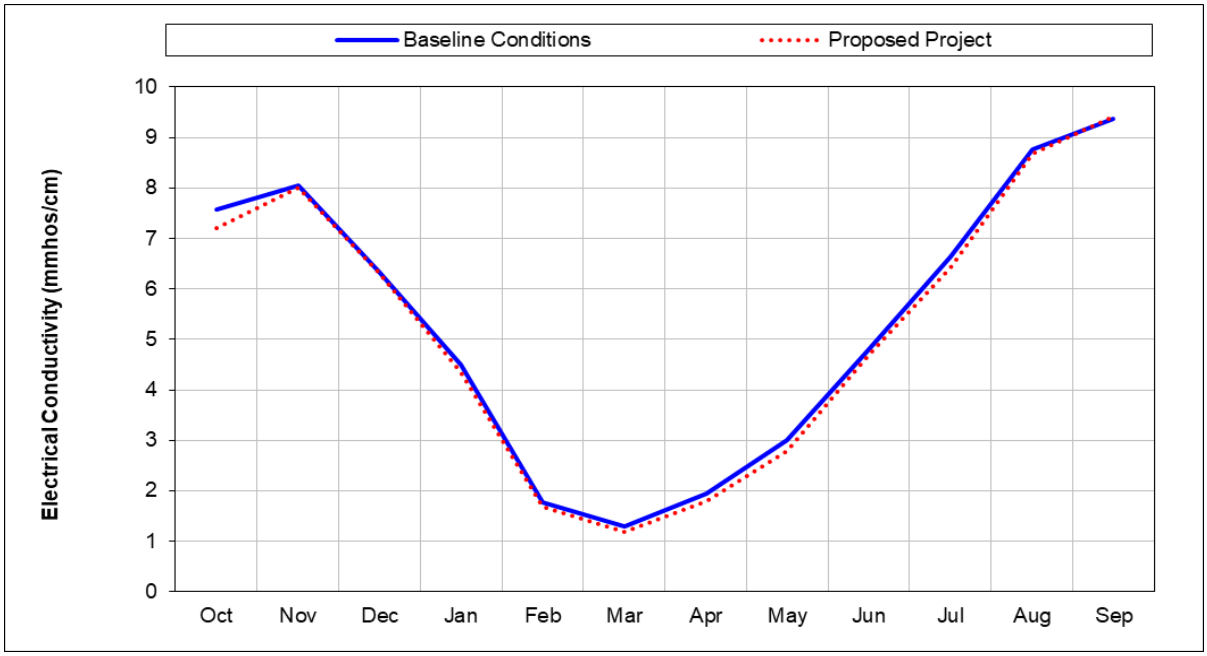


**Figure 5B-15e. Montezuma Slough at National Steel, Dry Year Monthly Average Electrical Conductivity (in millimhos per centimeter)**

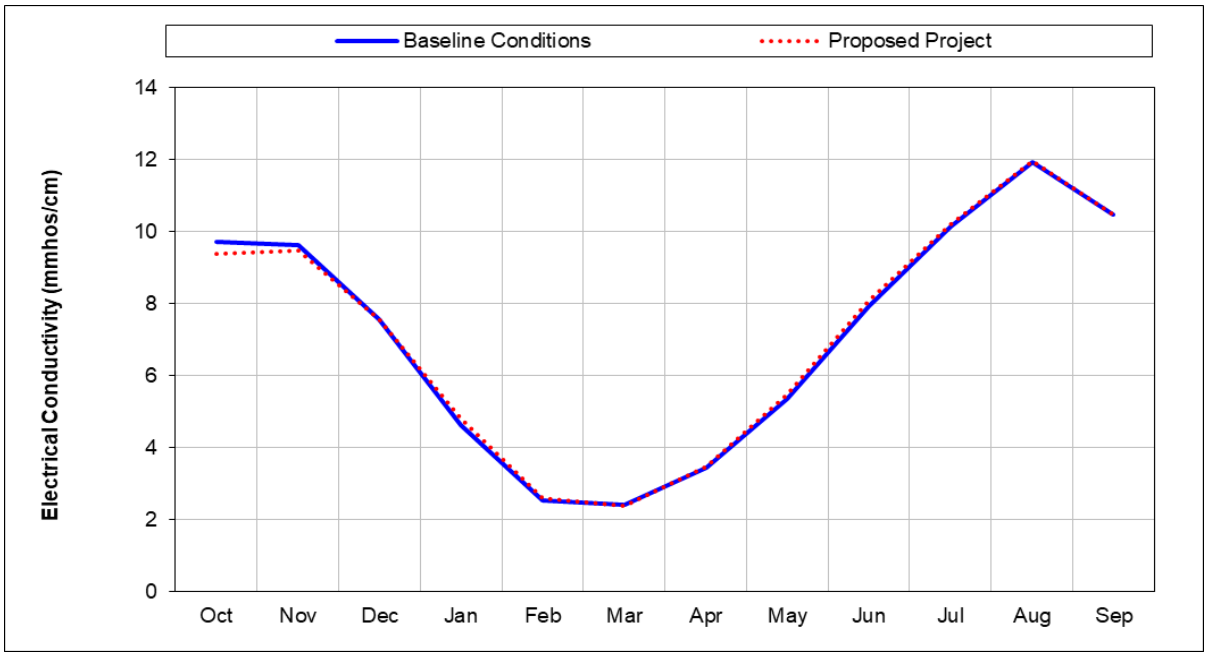


**Figure 5B-15f. Montezuma Slough at National Steel, Critical Year Monthly Average Electrical Conductivity (in millimhos per centimeter)**

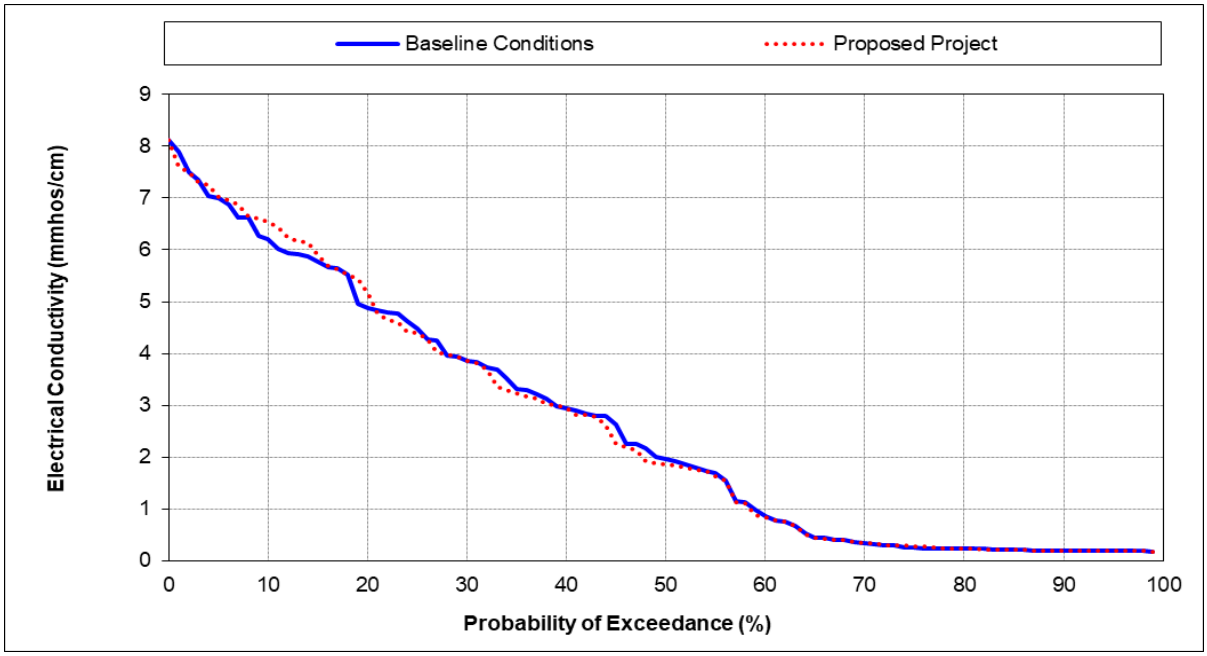


**Figure 5B-15g. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), January**

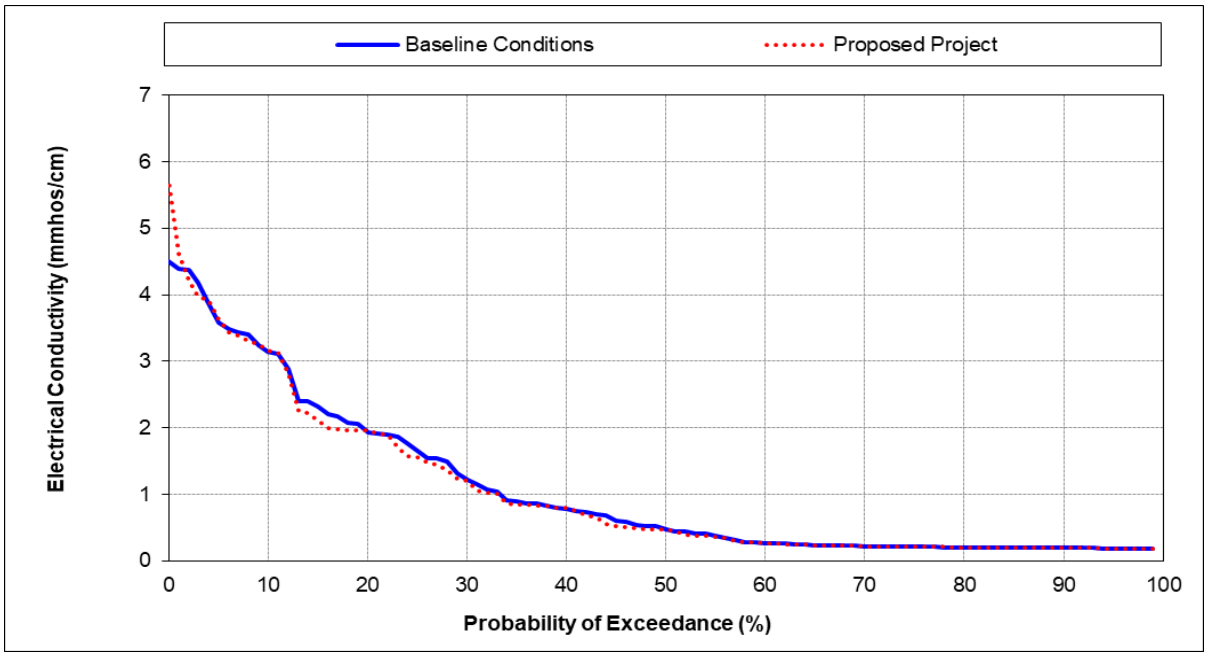


**Figure 5B-15h. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), February**

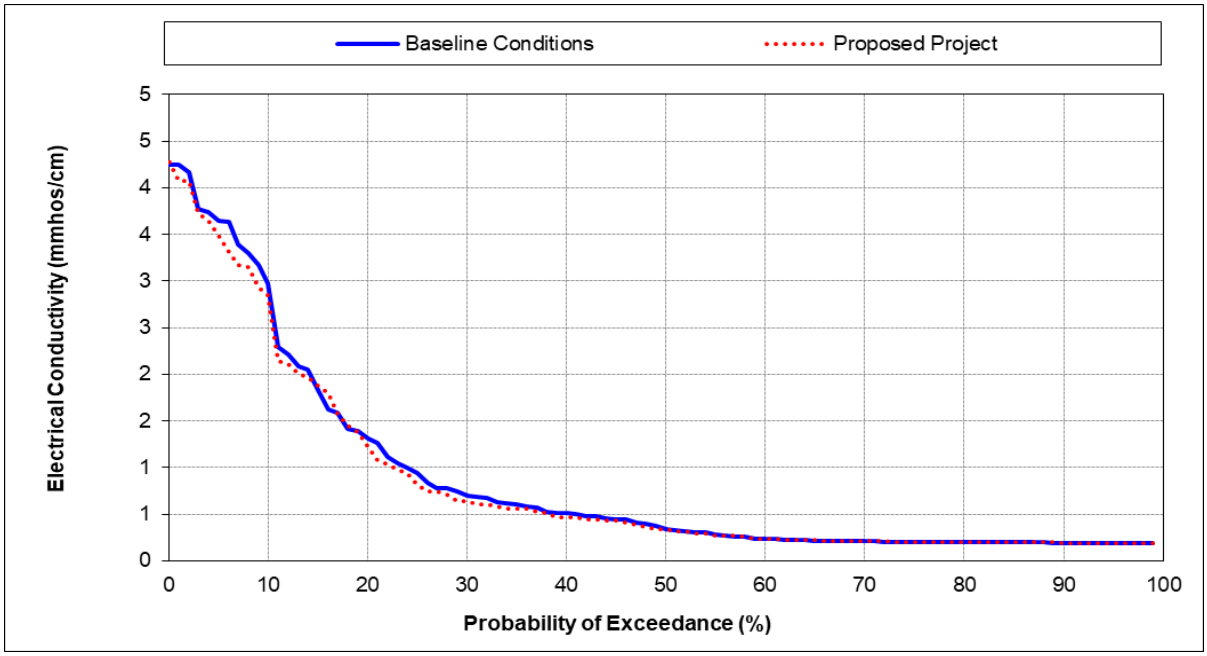


**Figure 5B-15i. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), March**

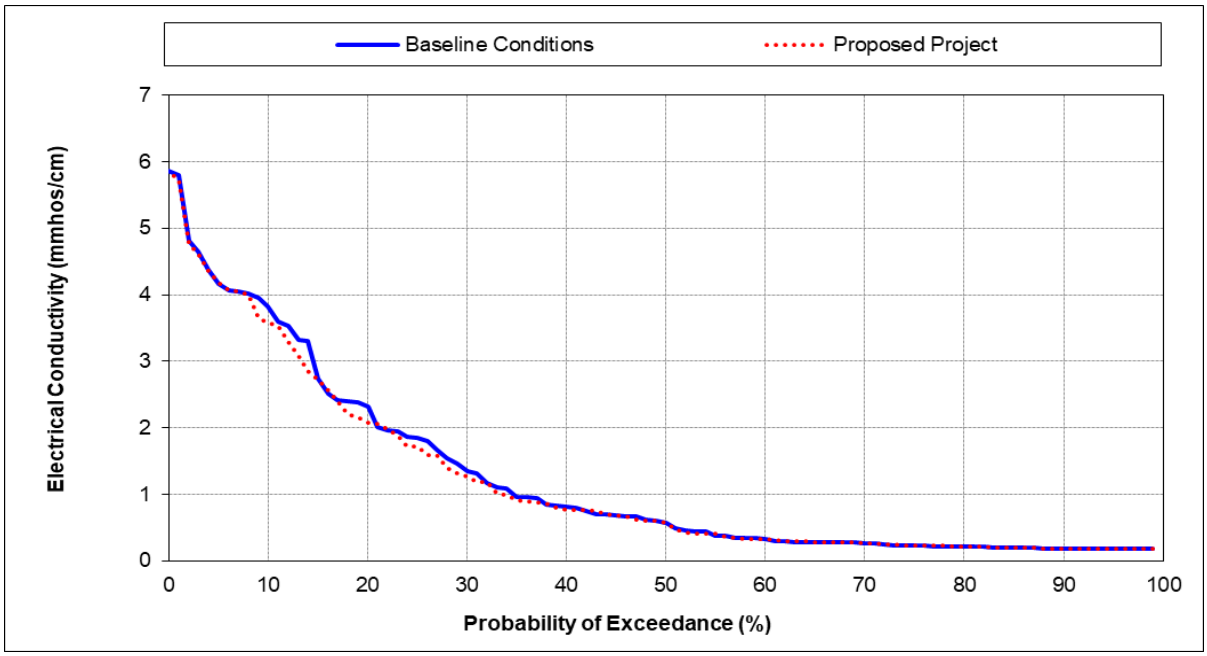


**Figure 5B-15j. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), April**

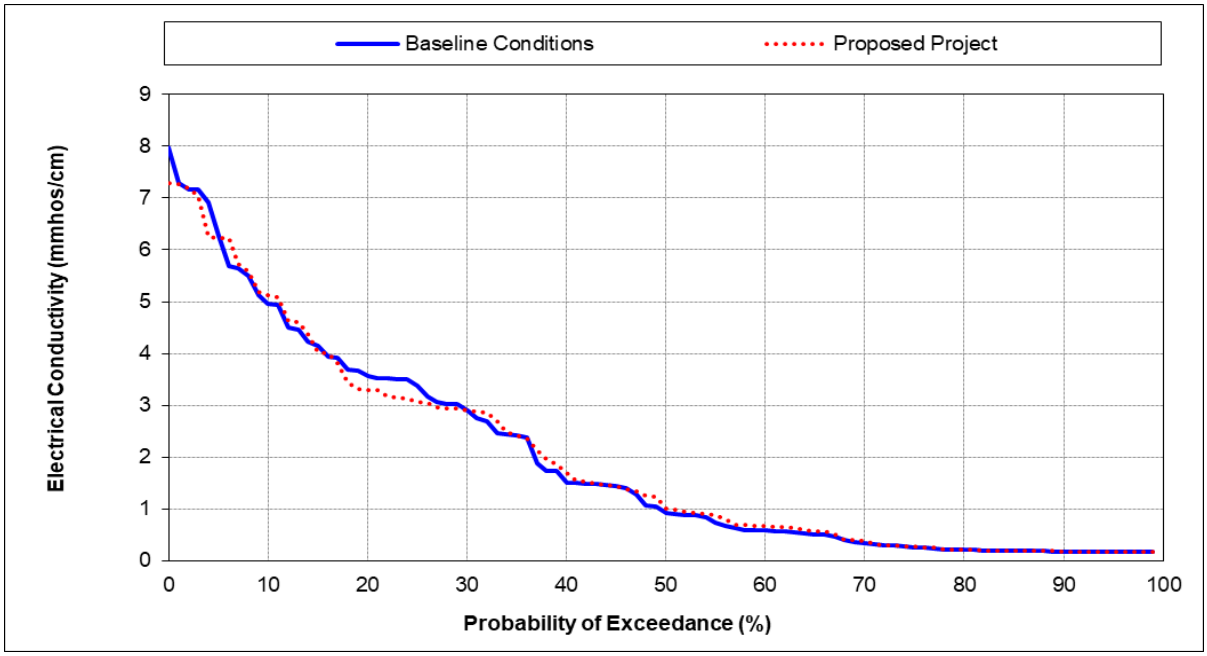


**Figure 5B-15k. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), May**

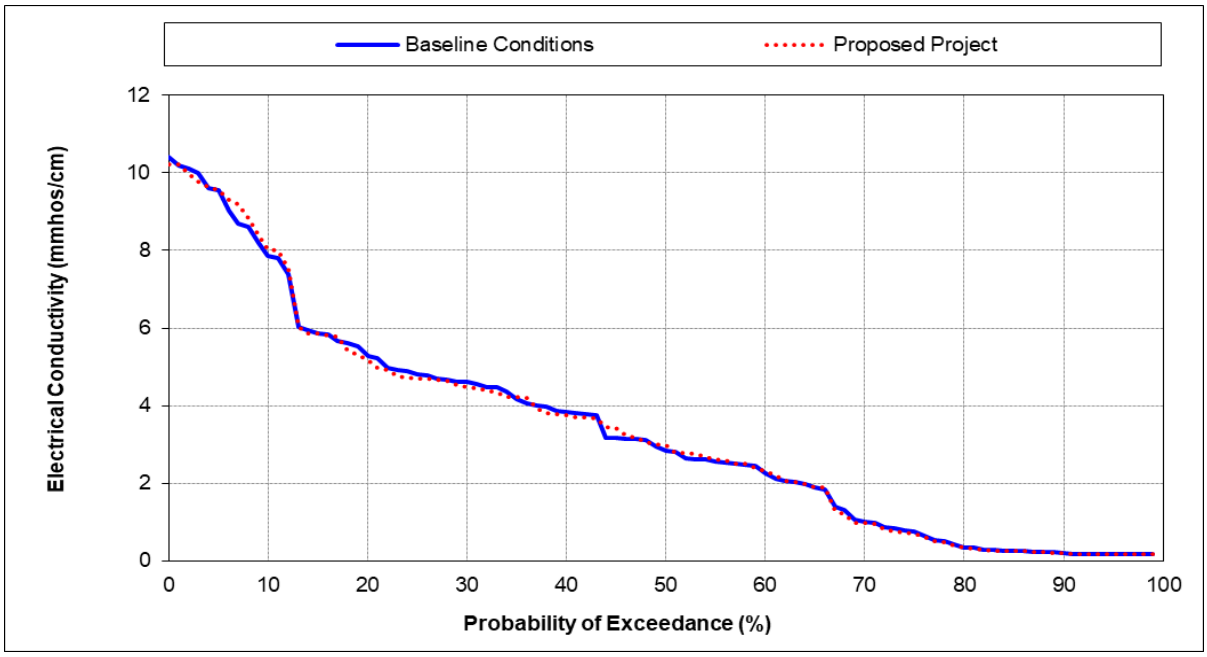


**Figure 5B-15l. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), June**

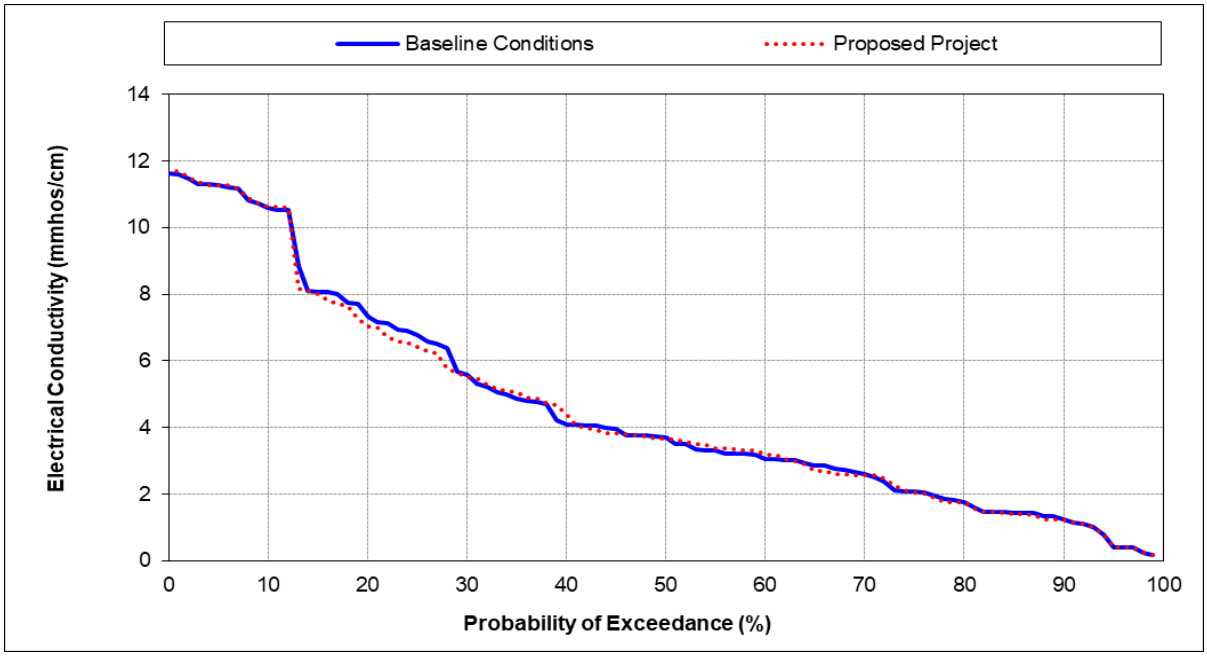


**Figure 5B-15m. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), July**

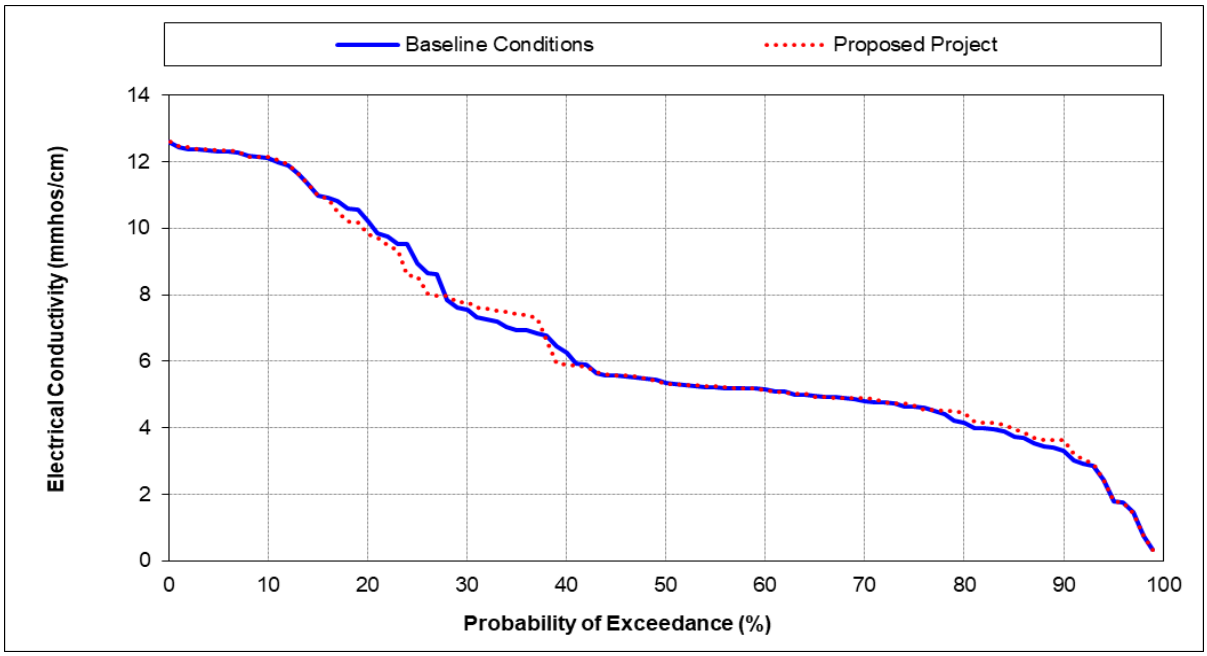


**Figure 5B-15n. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), August**

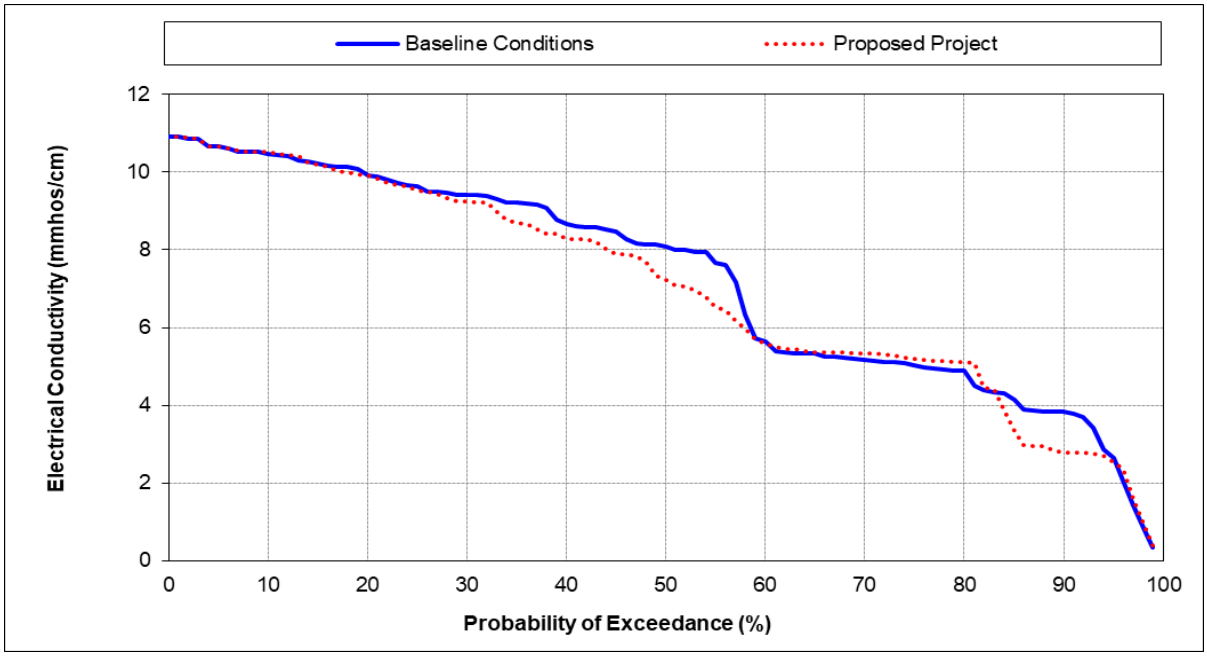


**Figure 5B-15o. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), September**

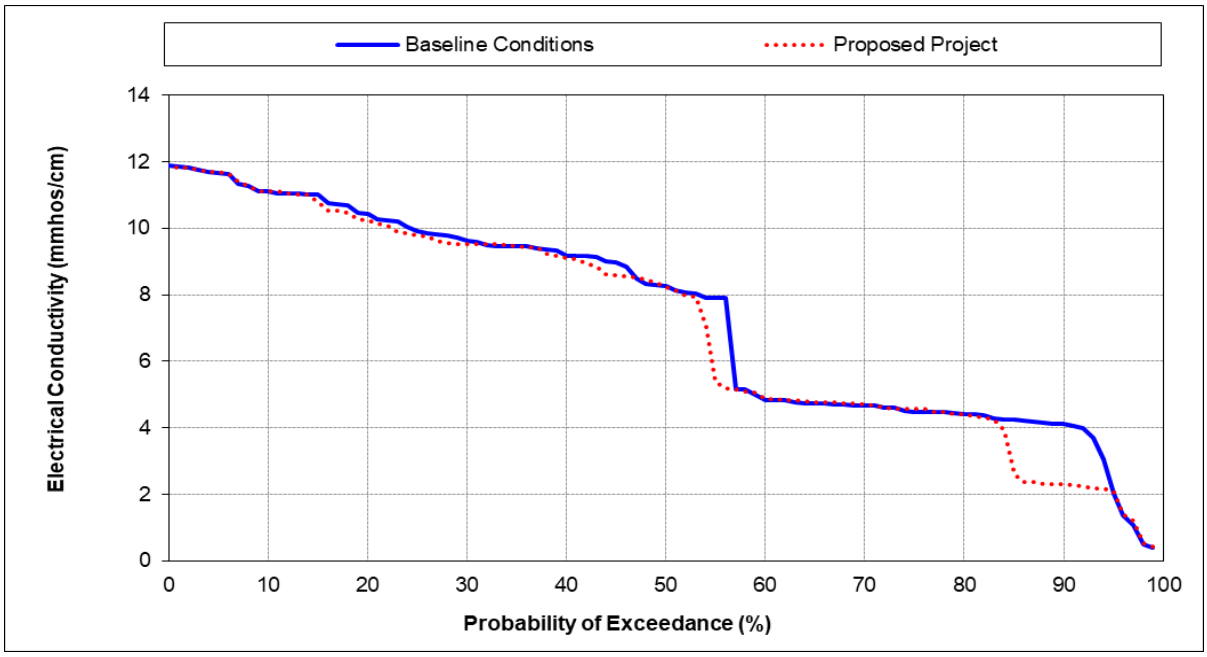


**Figure 5B-15p. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), October**

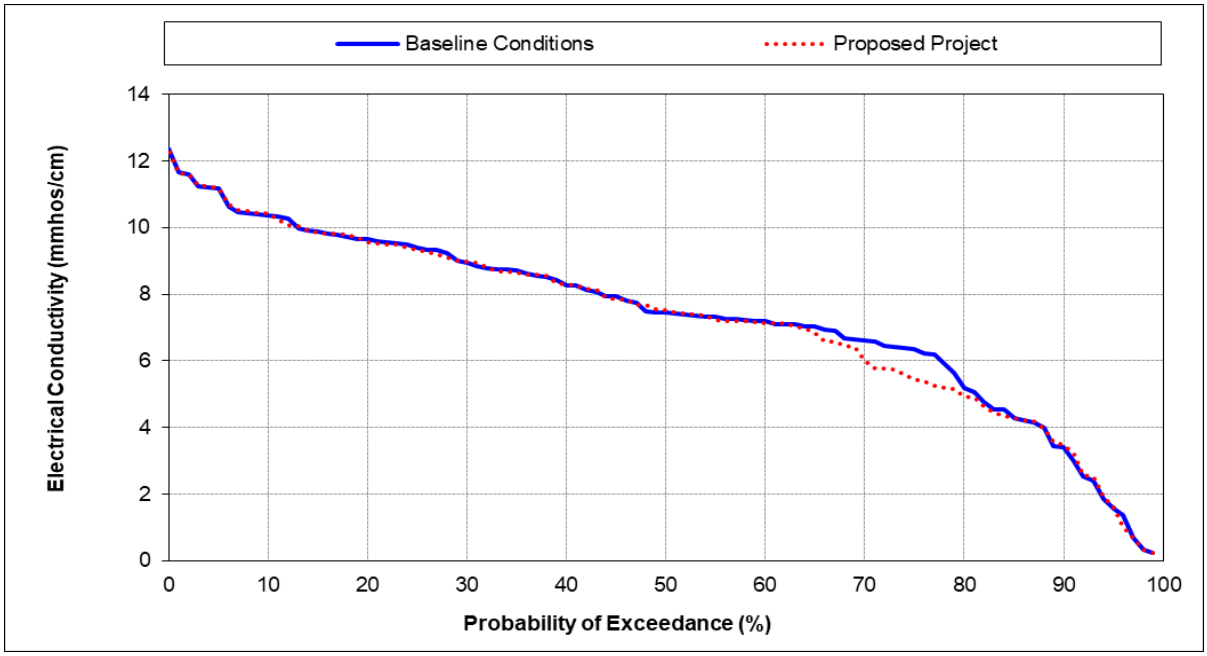


**Figure 5B-15q. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), November**

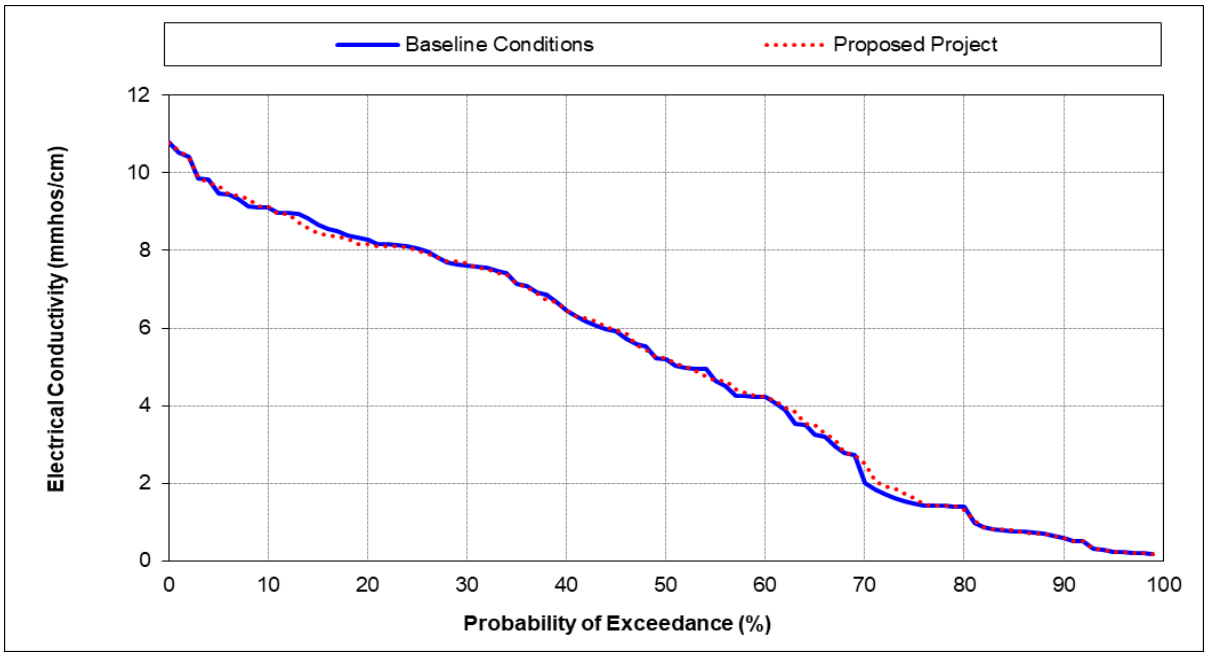


**Figure 5B-15r. Montezuma Slough at National Steel, Monthly Average Electrical Conductivity (in millimhos per centimeter), December**

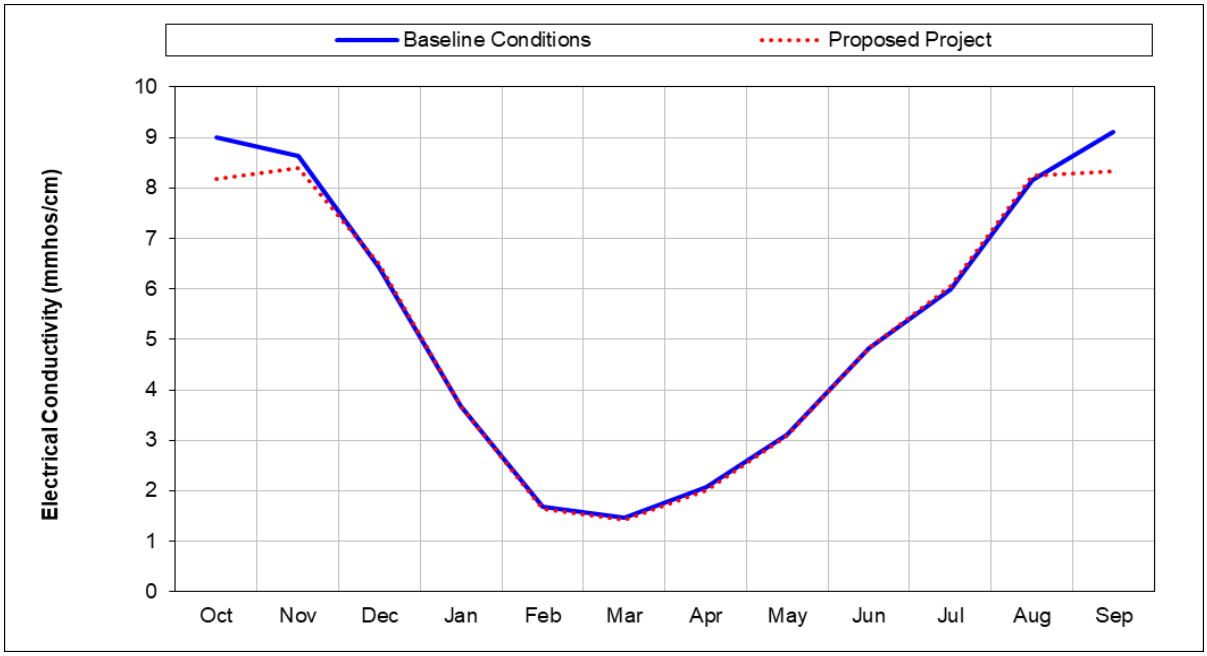


**Figure 5B-16a. Montezuma Slough near Beldon Landing, Long term Monthly Average Electrical Conductivity (in millimhos per centimeter)**

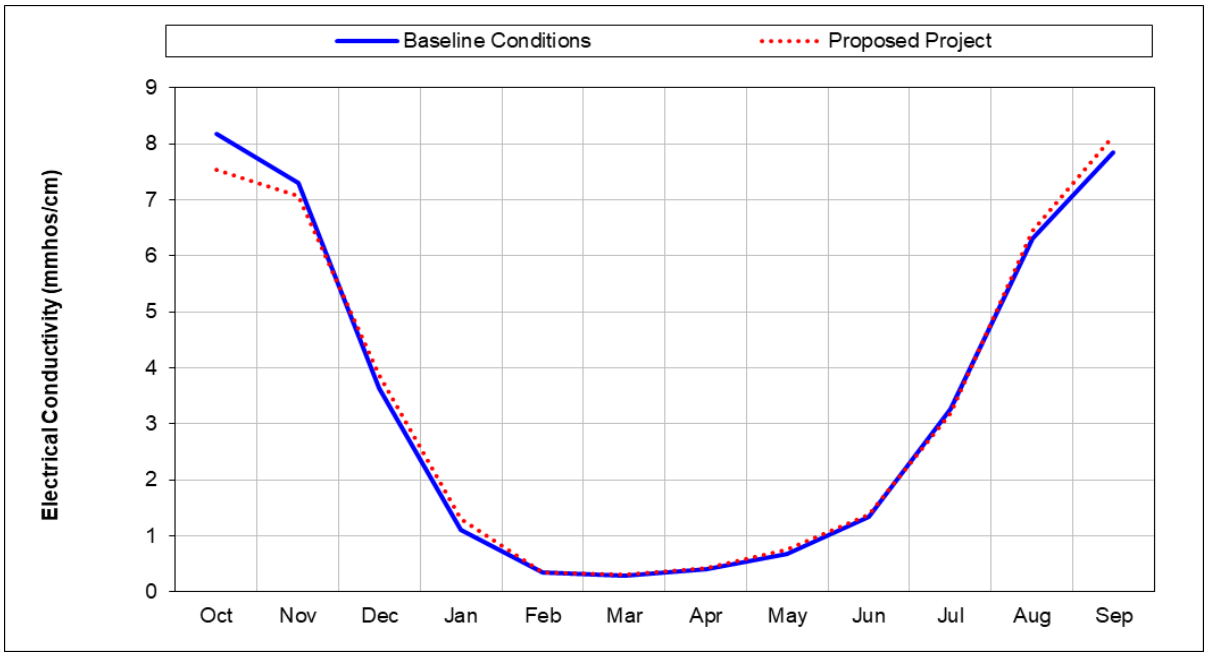


**Figure 5B-16b. Montezuma Slough near Beldon Landing, Wet Year Monthly Average Electrical Conductivity (in millimhos per centimeter)**

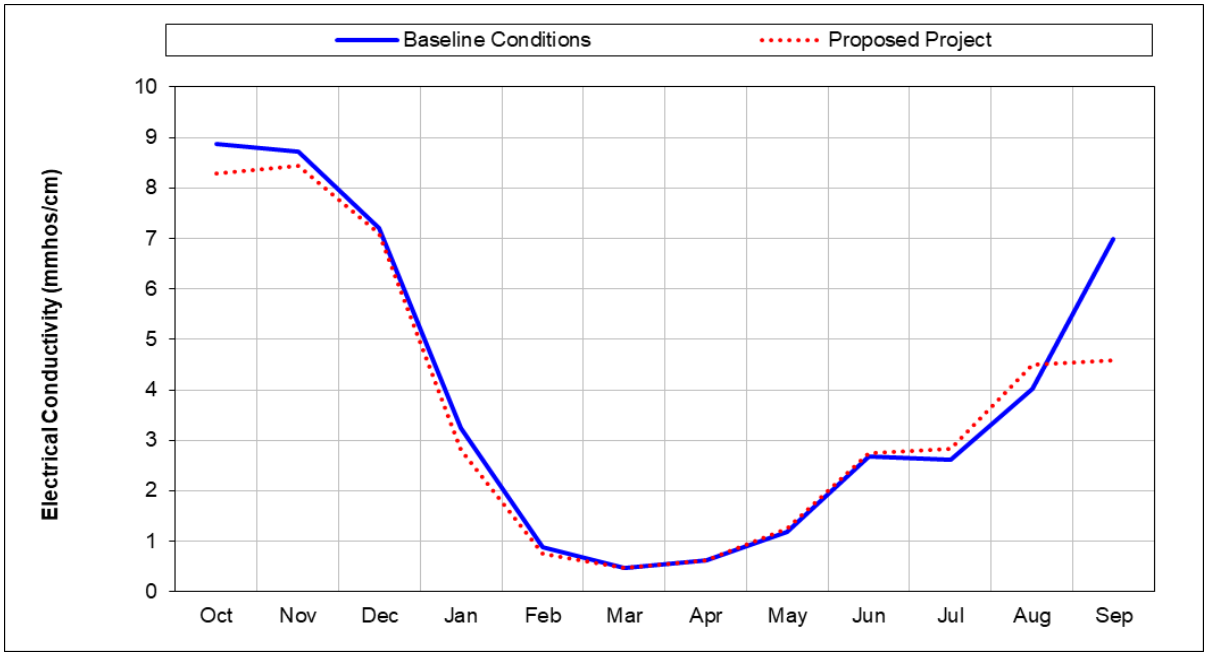


**Figure 5B-16c. Montezuma Slough near Beldon Landing, Above Normal Year Monthly Average Electrical Conductivity (in millimhos per centimeter)**

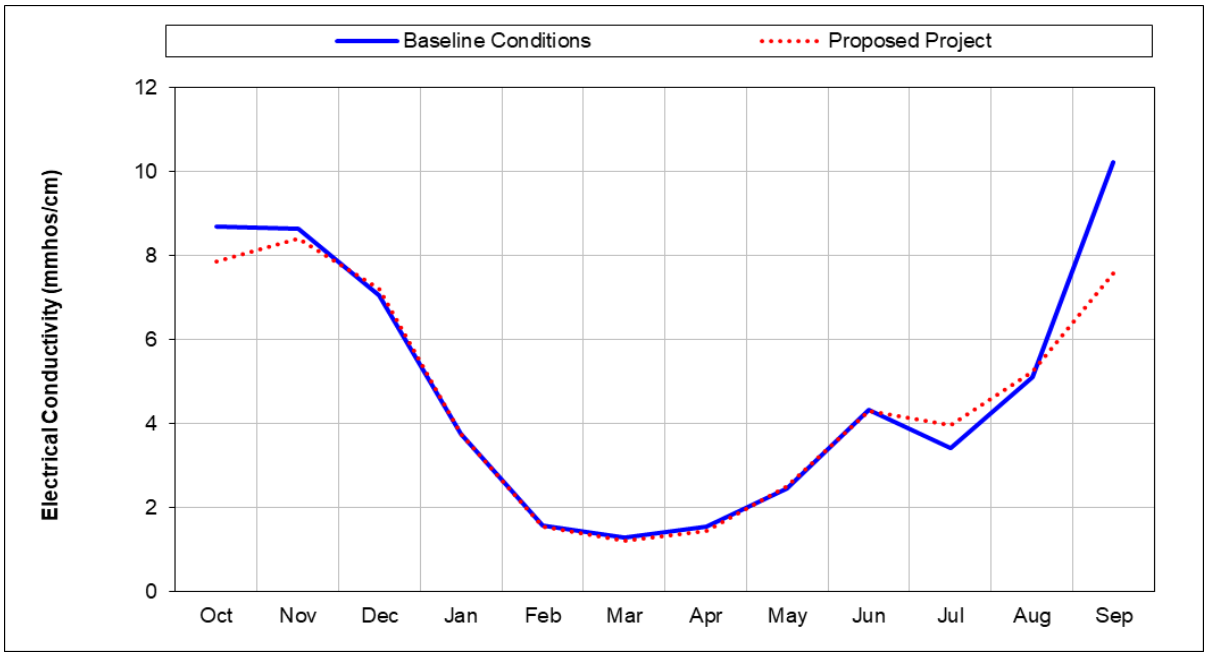


**Figure 5B-16d. Montezuma Slough near Beldon Landing, Below Normal Year Monthly Average Electrical Conductivity (in millimhos per centimeter)**

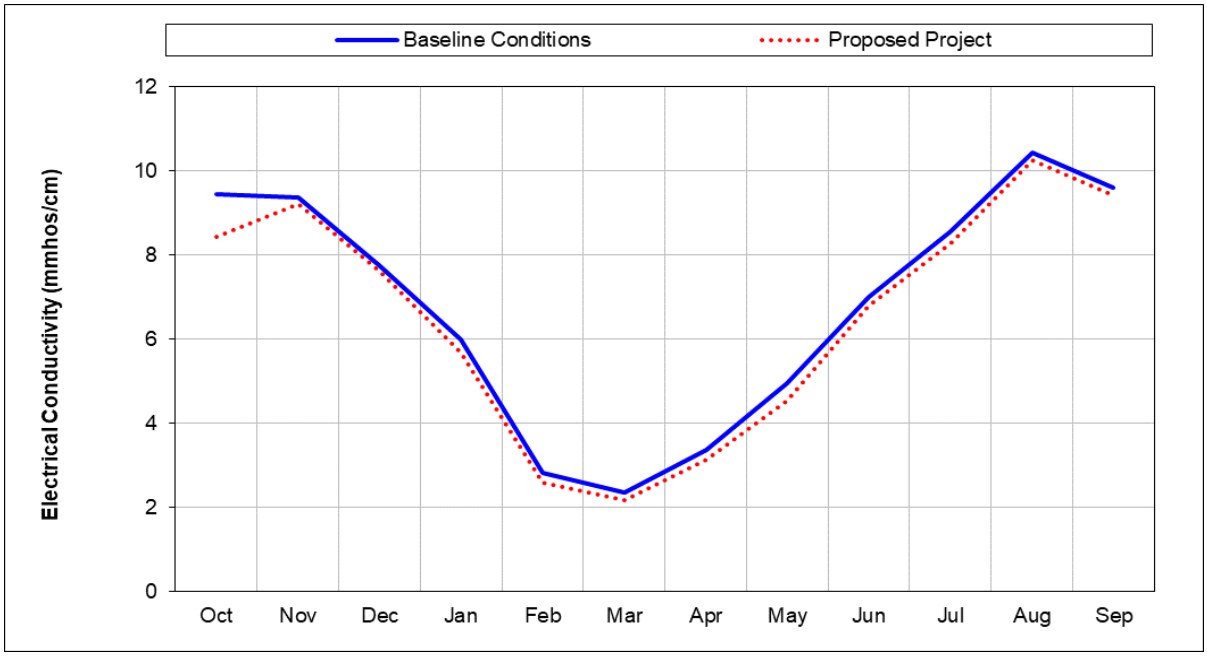


**Figure 5B-16e. Montezuma Slough near Beldon Landing, Dry Year Monthly Average Electrical Conductivity (in millimhos per centimeter)**

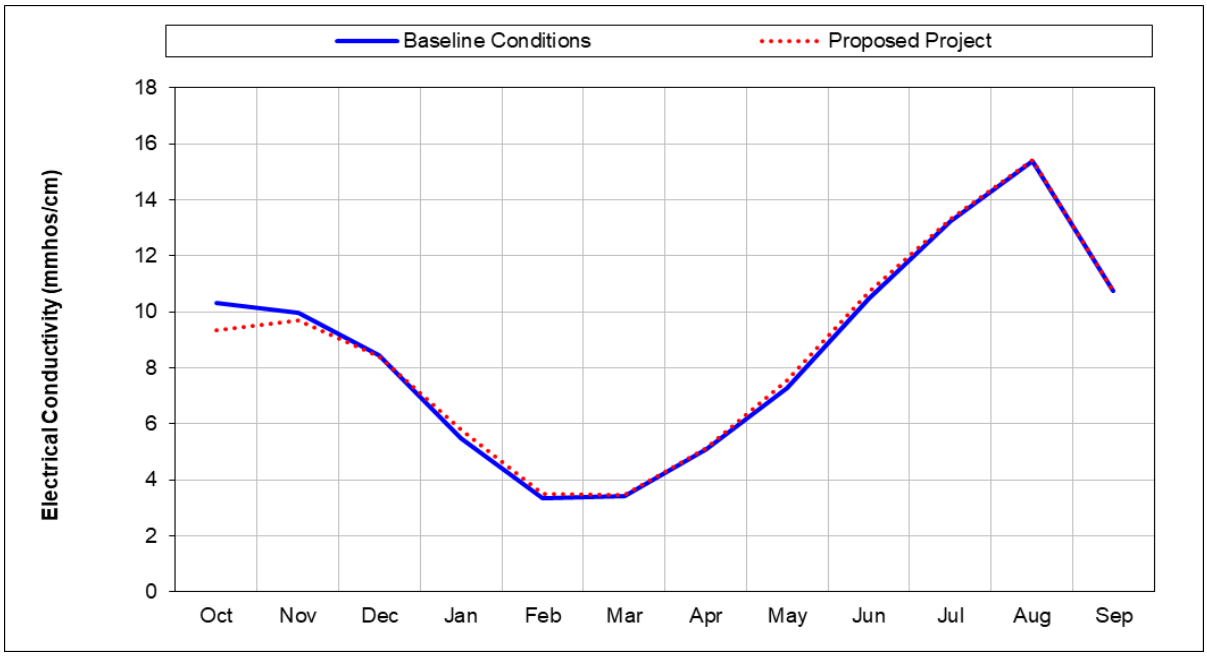


**Figure 5B-16f. Montezuma Slough near Beldon Landing, Critical Year Monthly Average Electrical Conductivity (in millimhos per centimeter)**

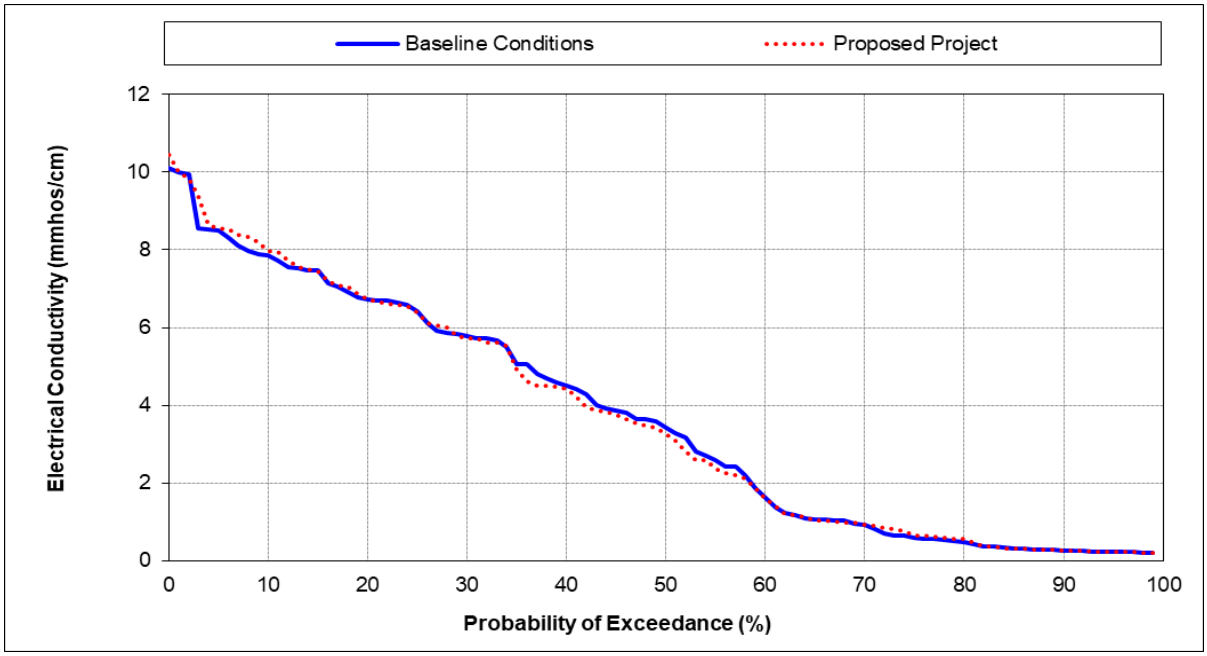


**Figure 5B-16g. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), January**

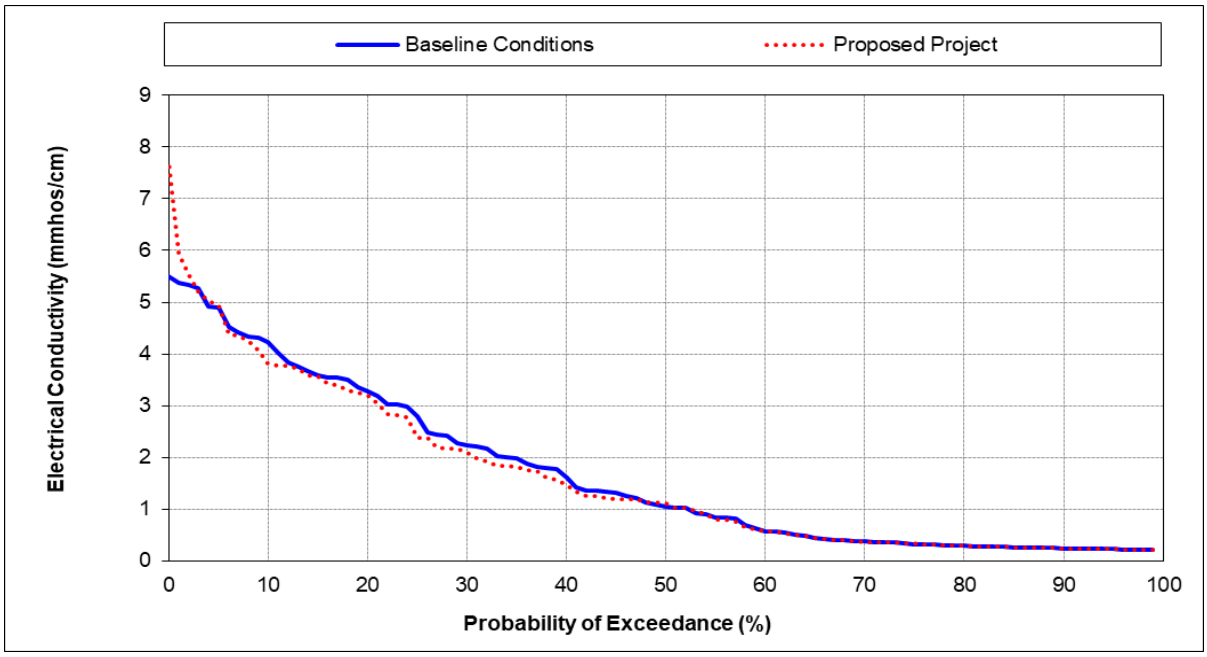


**Figure 5B-16h. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), February**

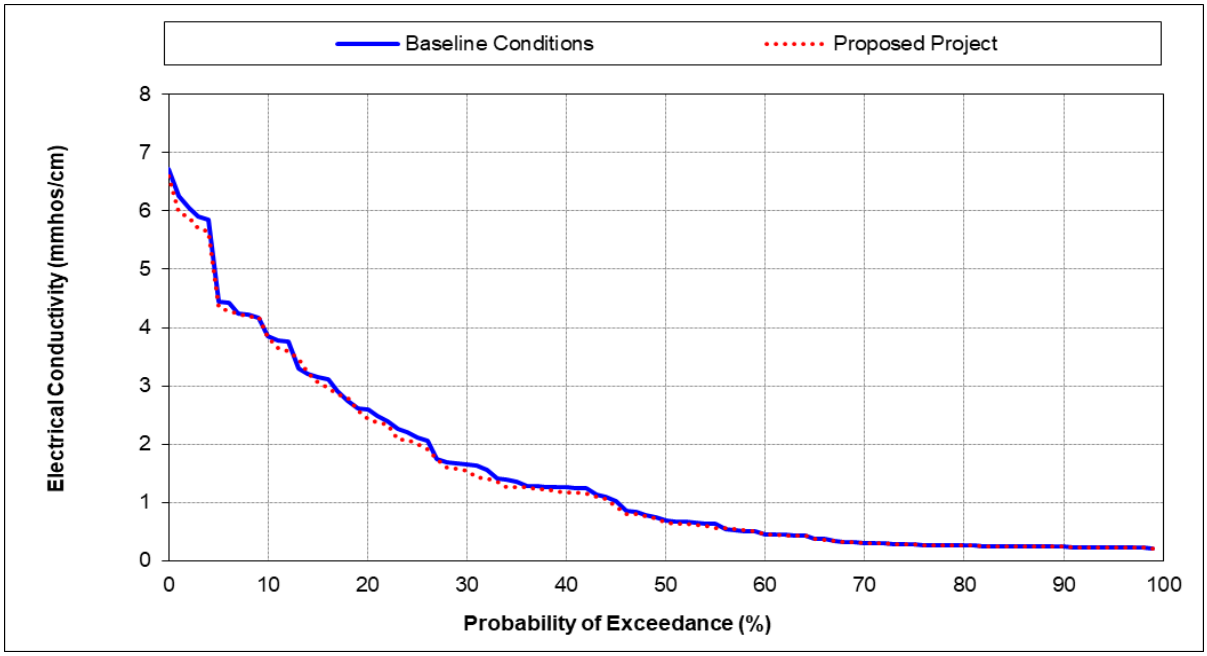


**Figure 5B-16i. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), March**

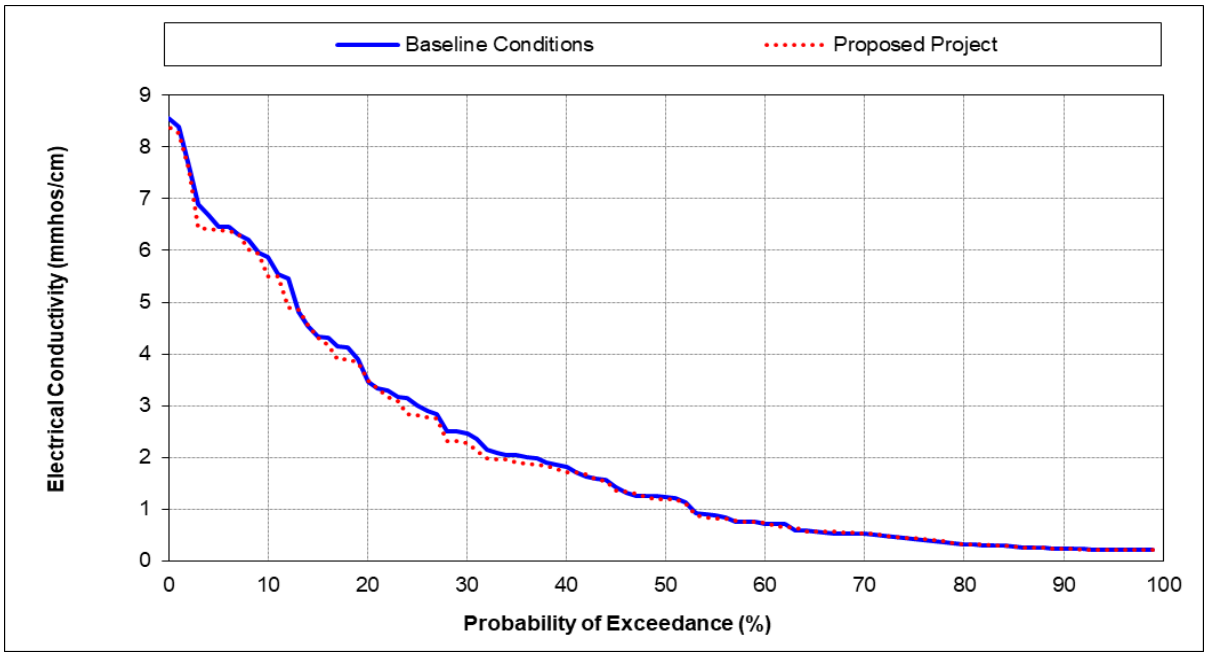


**Figure 5B-16j. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), April**

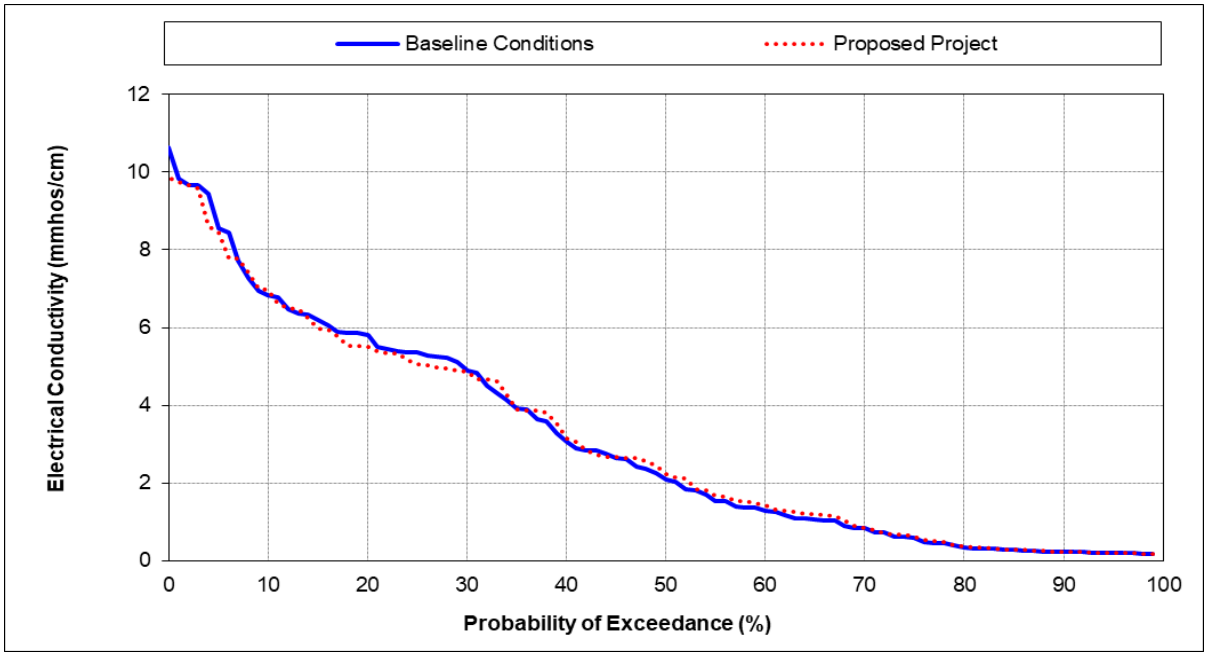


**Figure 5B-16k. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), May**

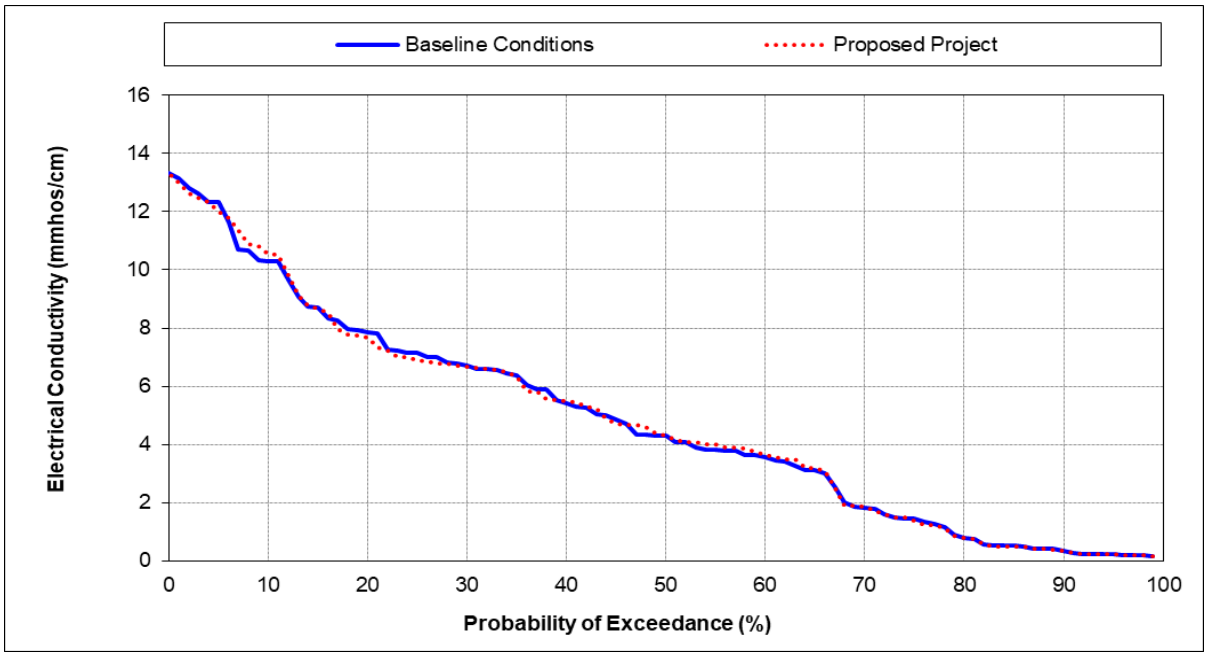


**Figure 5B-16l. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), June**

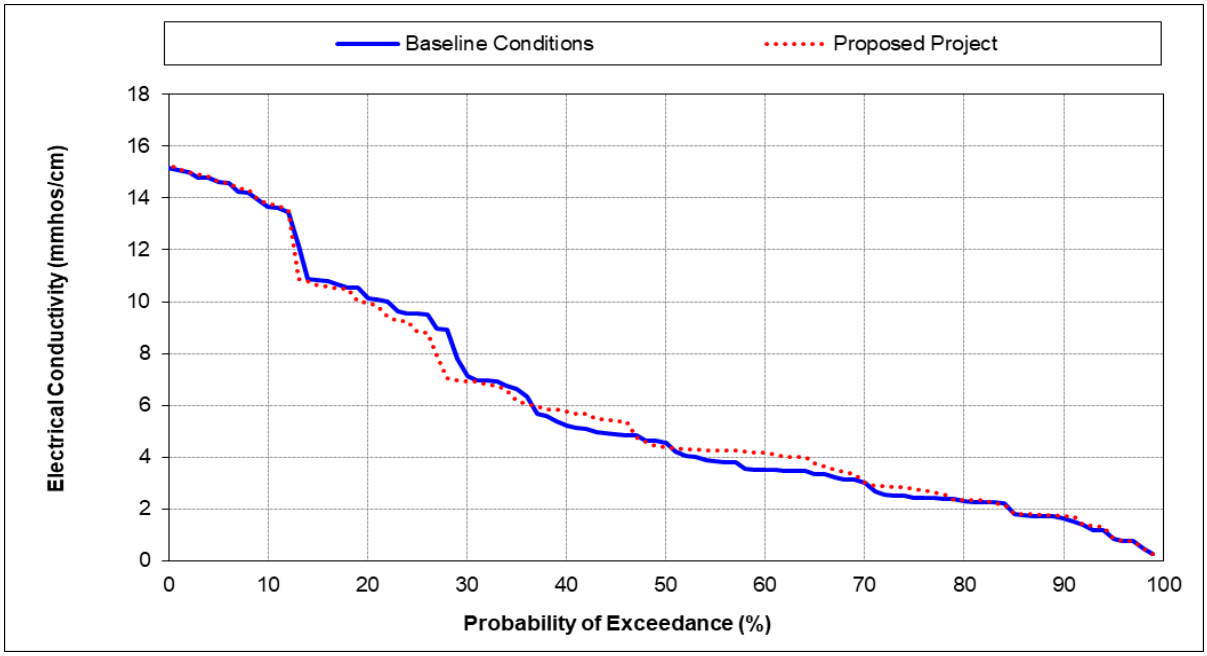


**Figure 5B-16m. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), July**

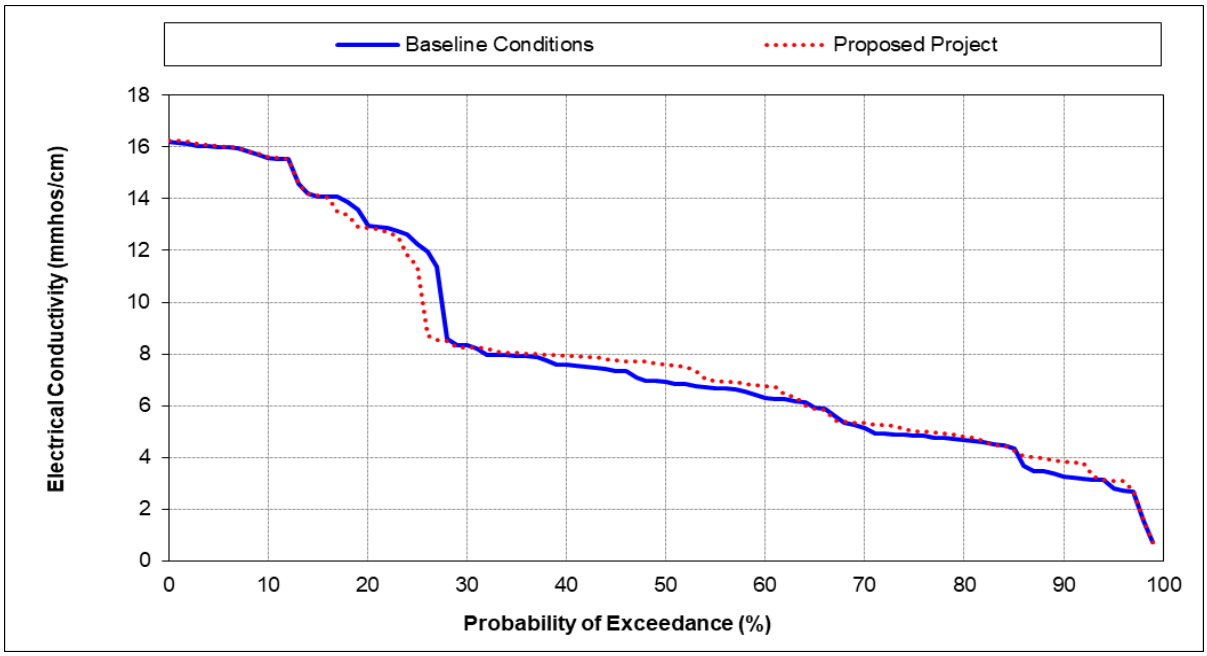


**Figure 5B-16n. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), August**

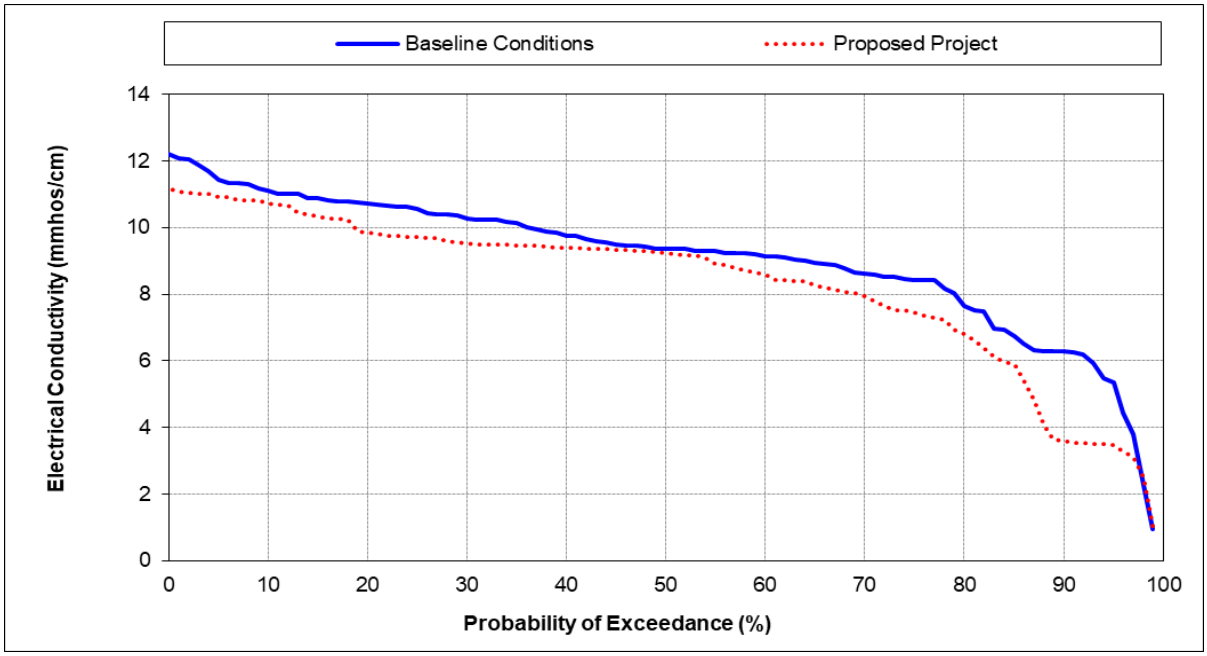


**Figure 5B-16o. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), September**

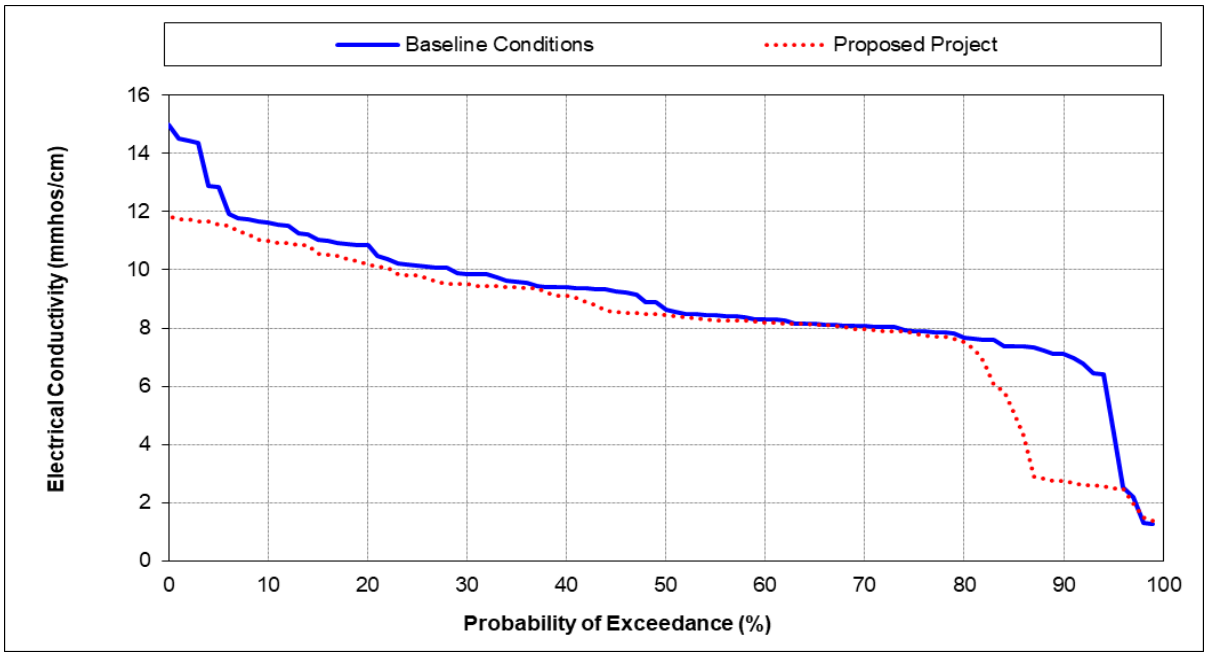


**Figure 5B-16p. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), October**

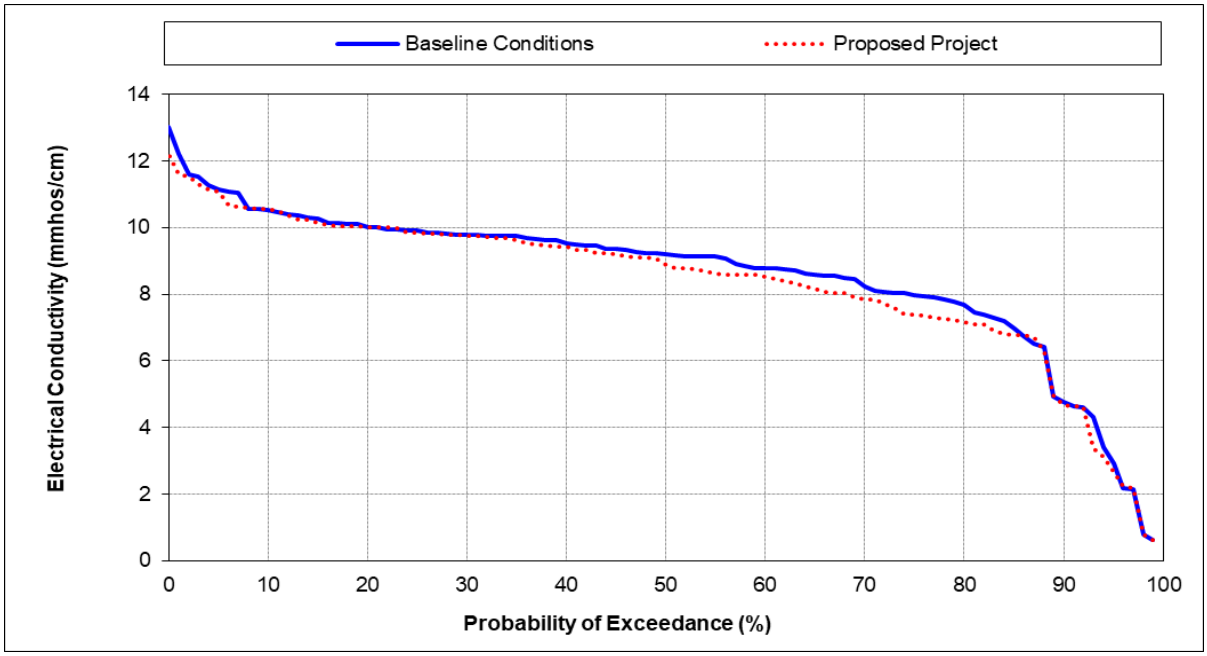


**Figure 5B-16q. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), November**

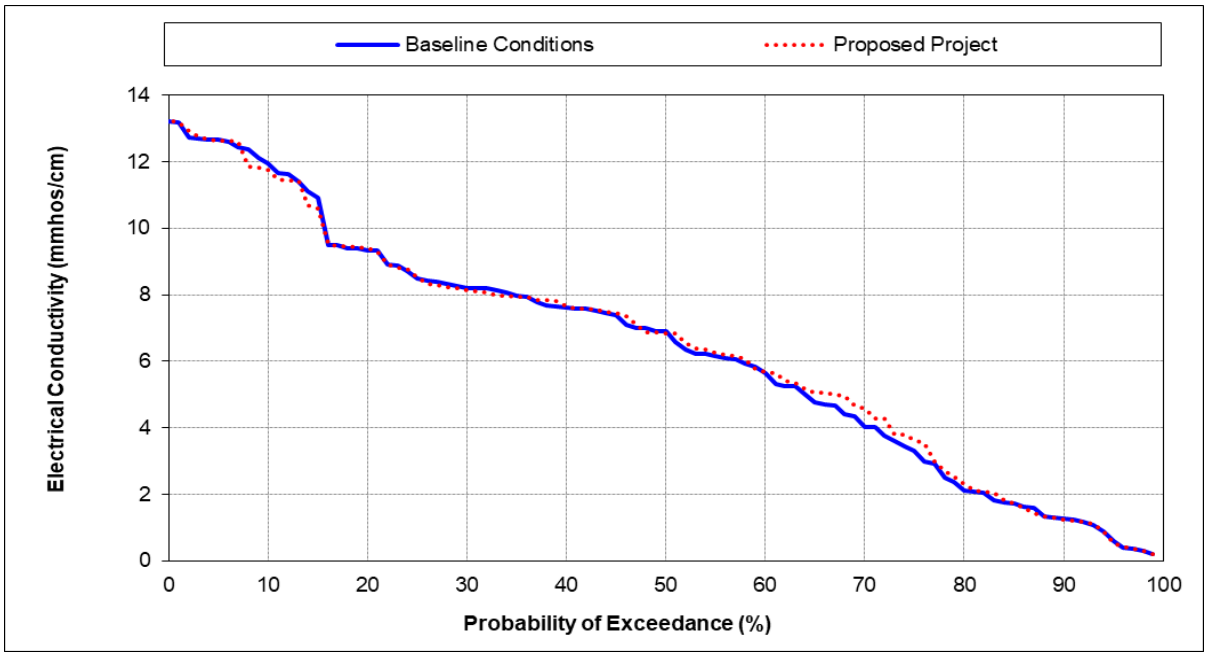


**Figure 5B-16r. Montezuma Slough near Beldon Landing, Monthly Average Electrical Conductivity (in millimhos per centimeter), December**

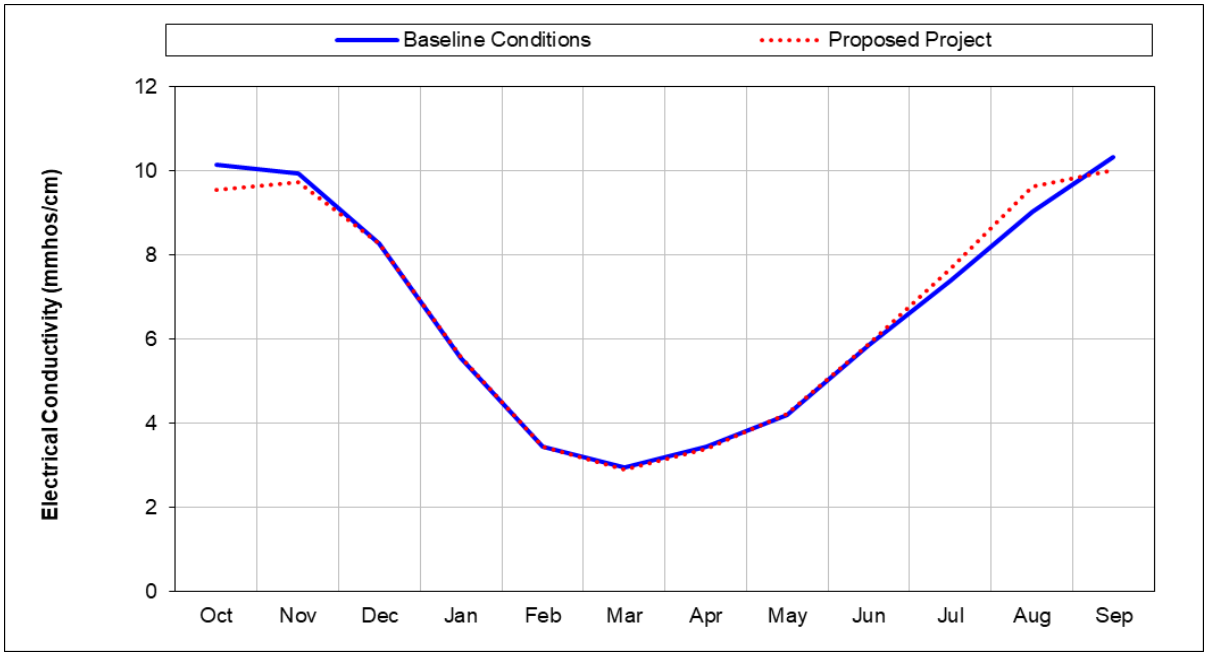


**Figure 5B-17a. Chadbourne Slough near Sunrise Duck Club, Long term Monthly Average Electrical Conductivity (in millimhos per centimeter)**

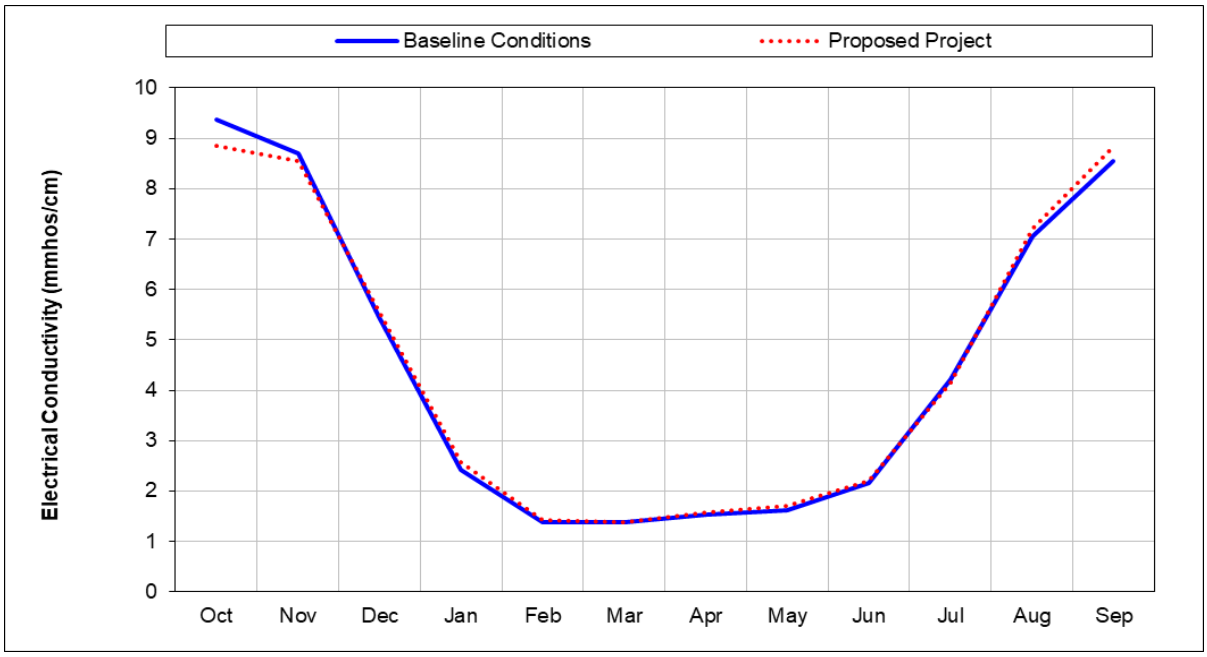


**Figure 5B-17b. Chadbourne Slough near Sunrise Duck Club, Wet Year Monthly Average Electrical Conductivity (in millimhos per centimeter)**

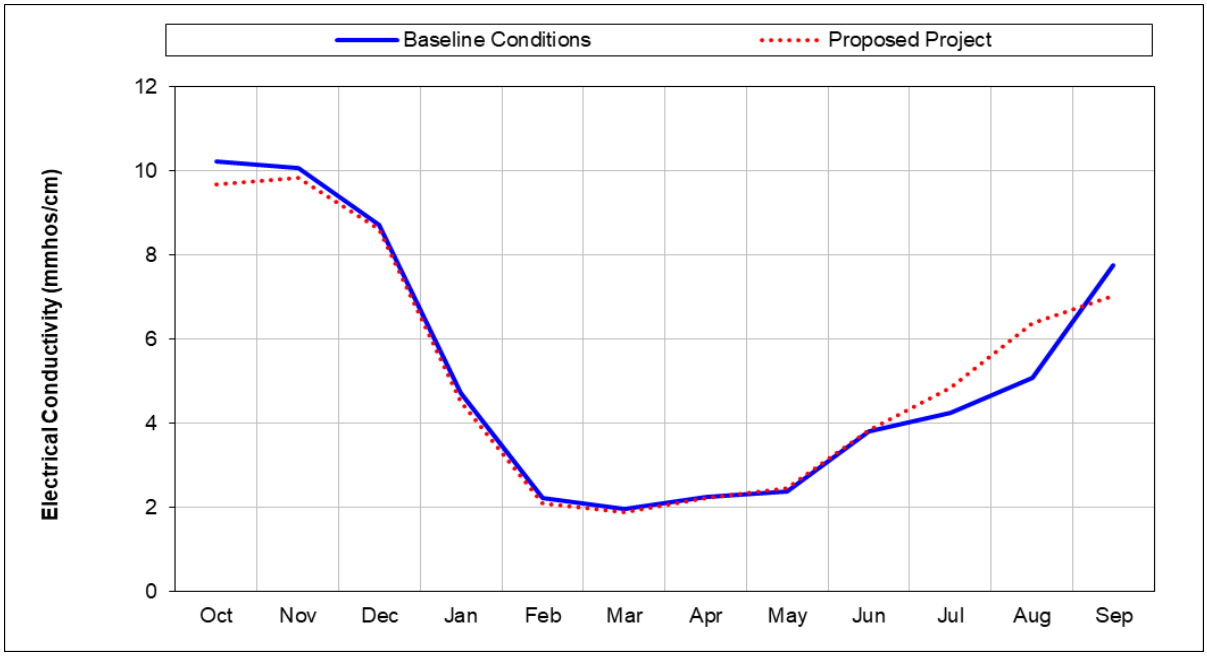


**Figure 5B-17c. Chadbourne Slough near Sunrise Duck Club, Above Normal Year Monthly Average Electrical Conductivity (in millimhos per centimeter)**

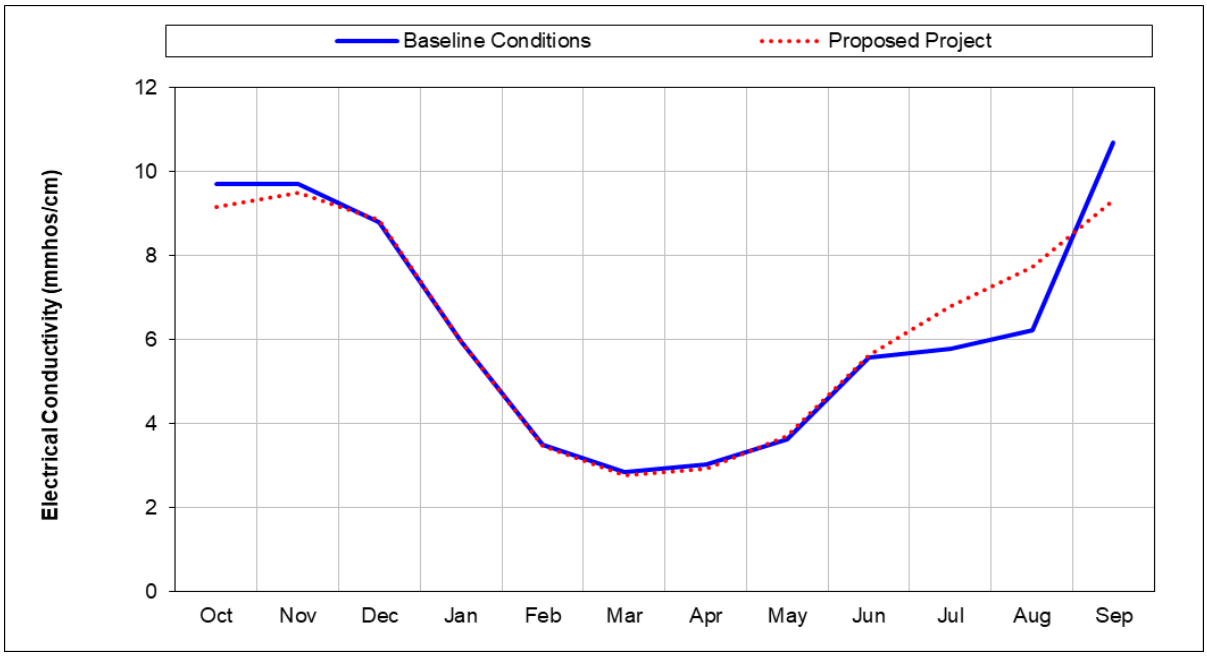


**Figure 5B-17d. Chadbourne Slough near Sunrise Duck Club, Below Normal Year Monthly Average Electrical Conductivity (in millimhos per centimeter)**

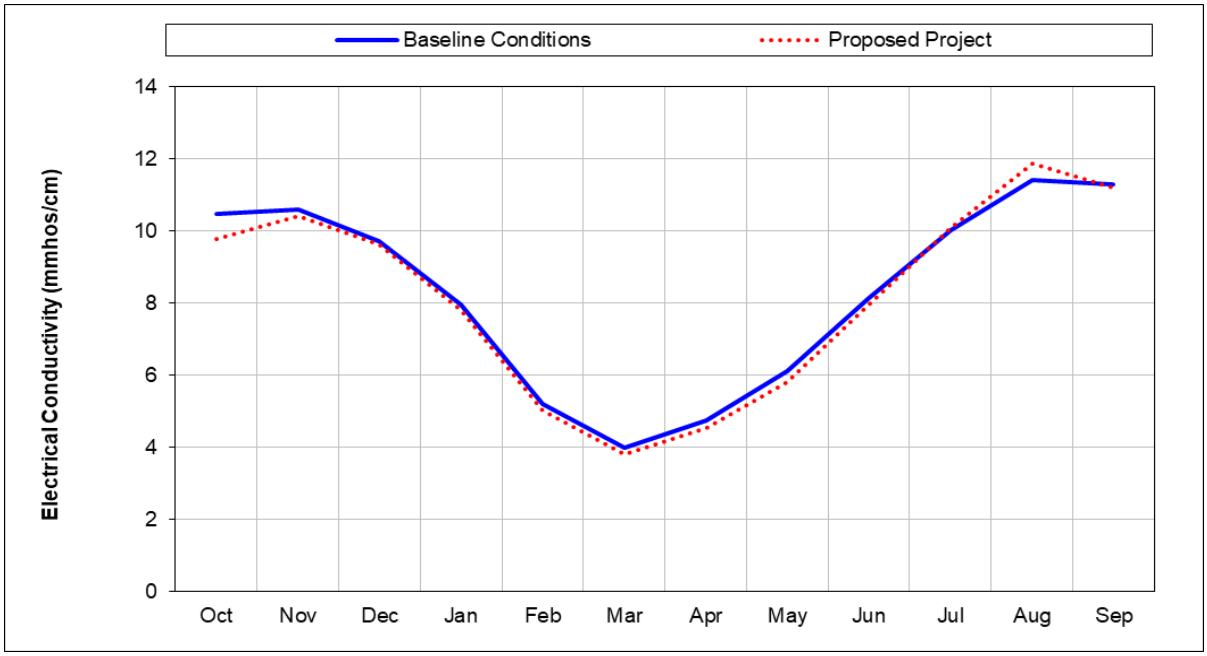


**Figure 5B-17e. Chadbourne Slough near Sunrise Duck Club, Dry Year Monthly Average Electrical Conductivity (in millimhos per centimeter)**

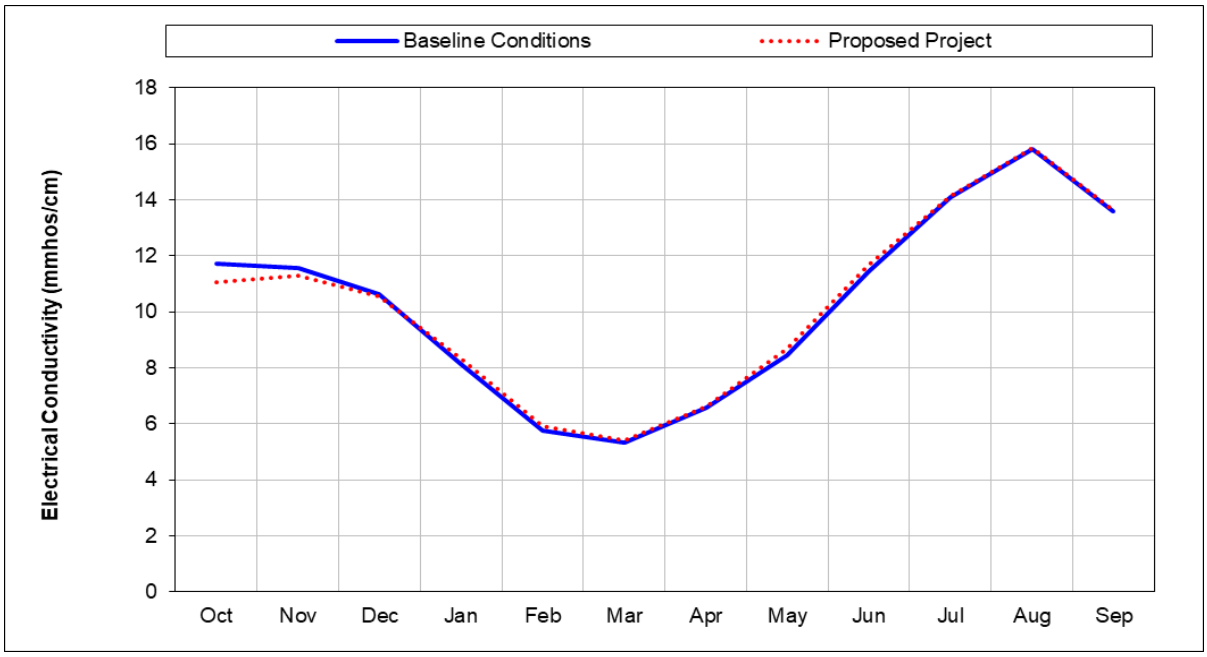


**Figure 5B-17f. Chadbourne Slough near Sunrise Duck Club, Critical Year Monthly Average Electrical Conductivity (in millimhos per centimeter)**

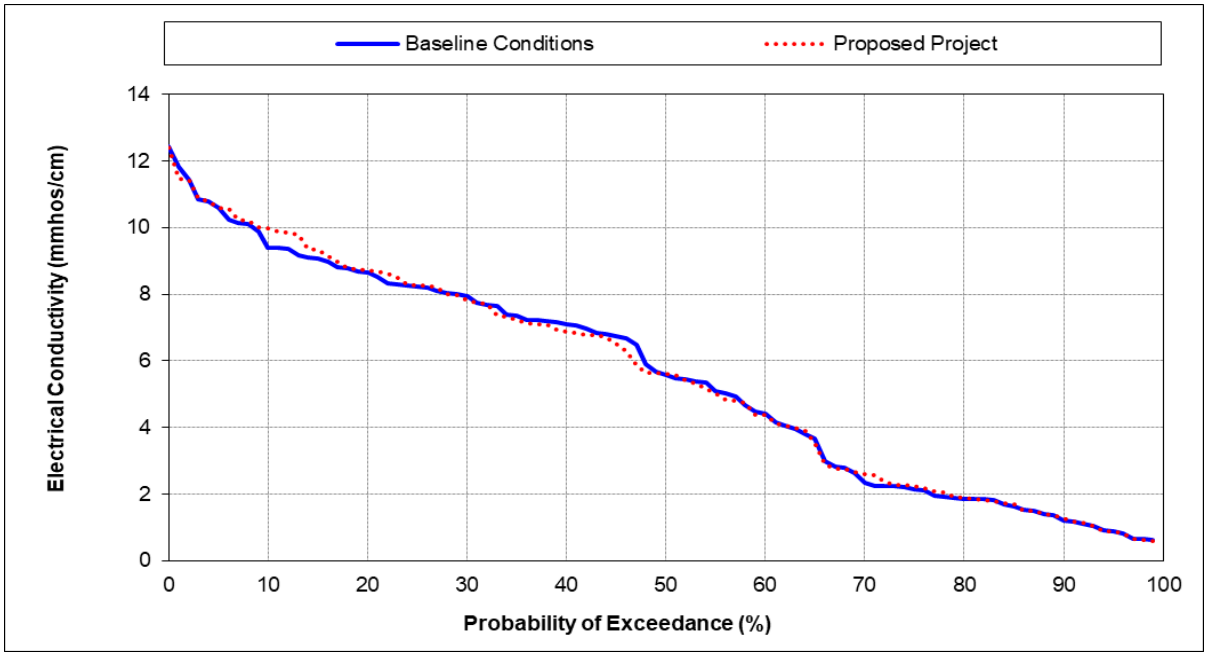


**Figure 5B-17g. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), January**

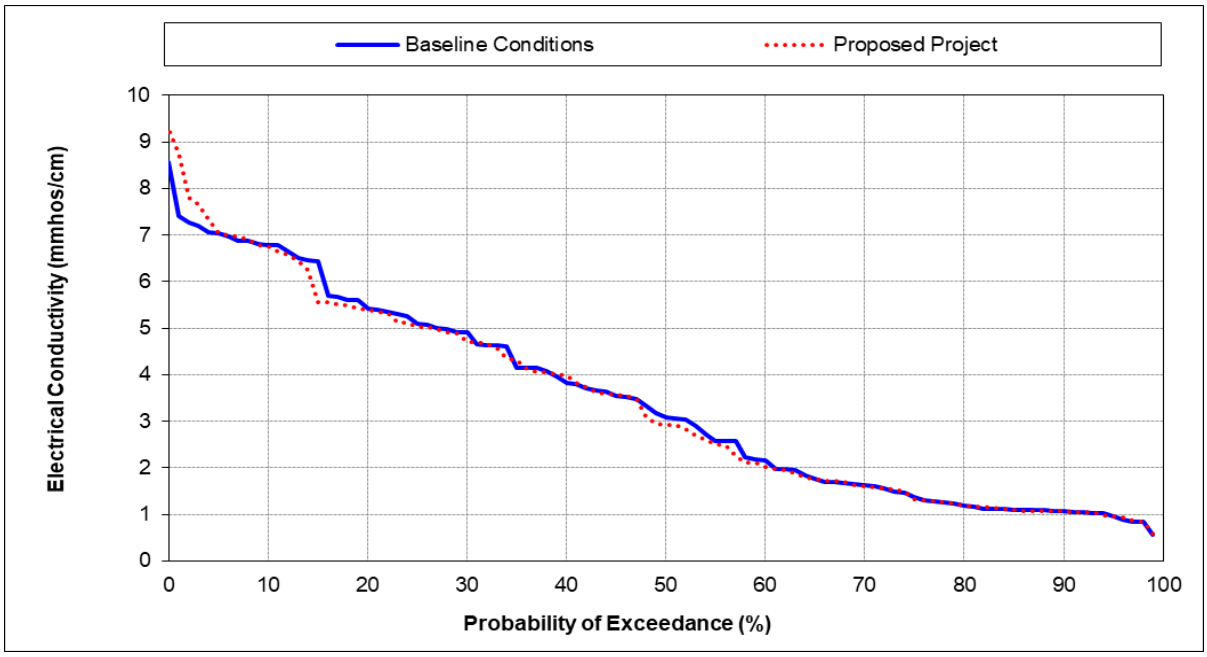


**Figure 5B-17h. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), February**

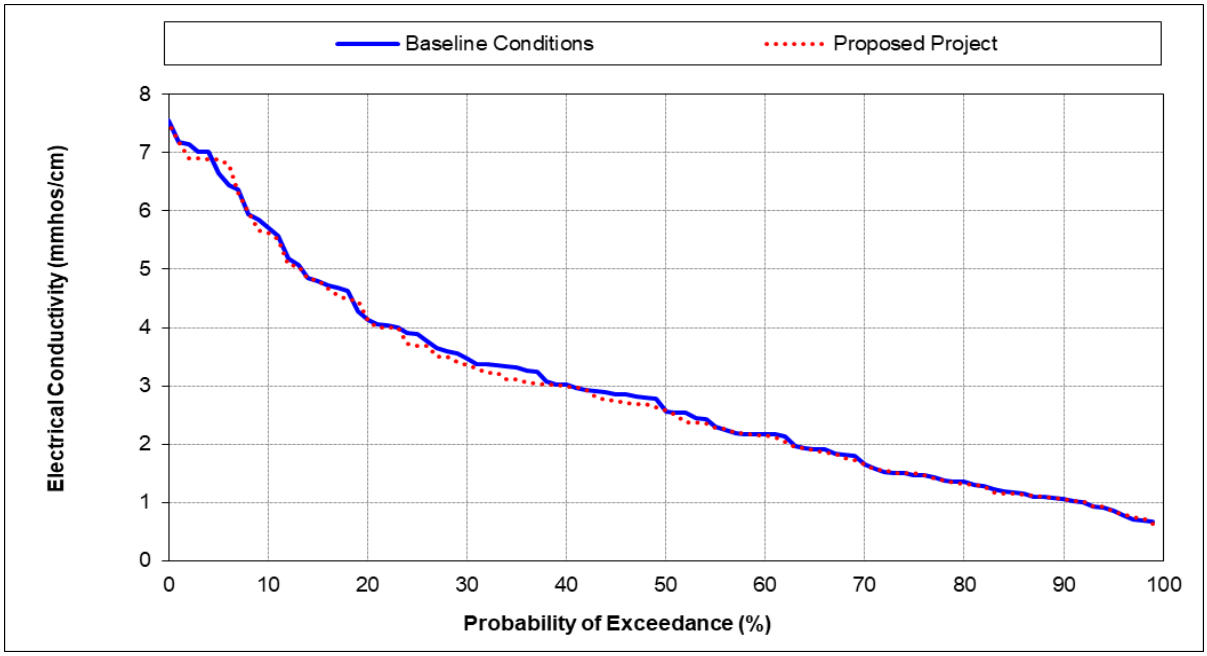


**Figure 5B-17i. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), March**

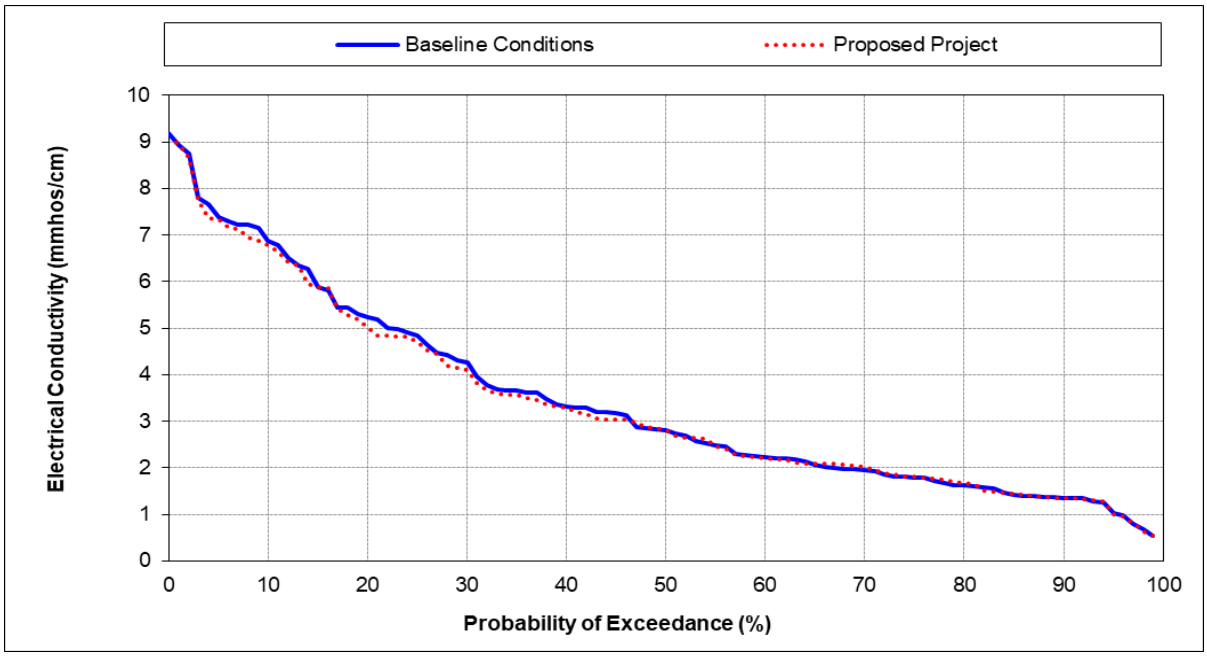


**Figure 5B-17j. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), April**

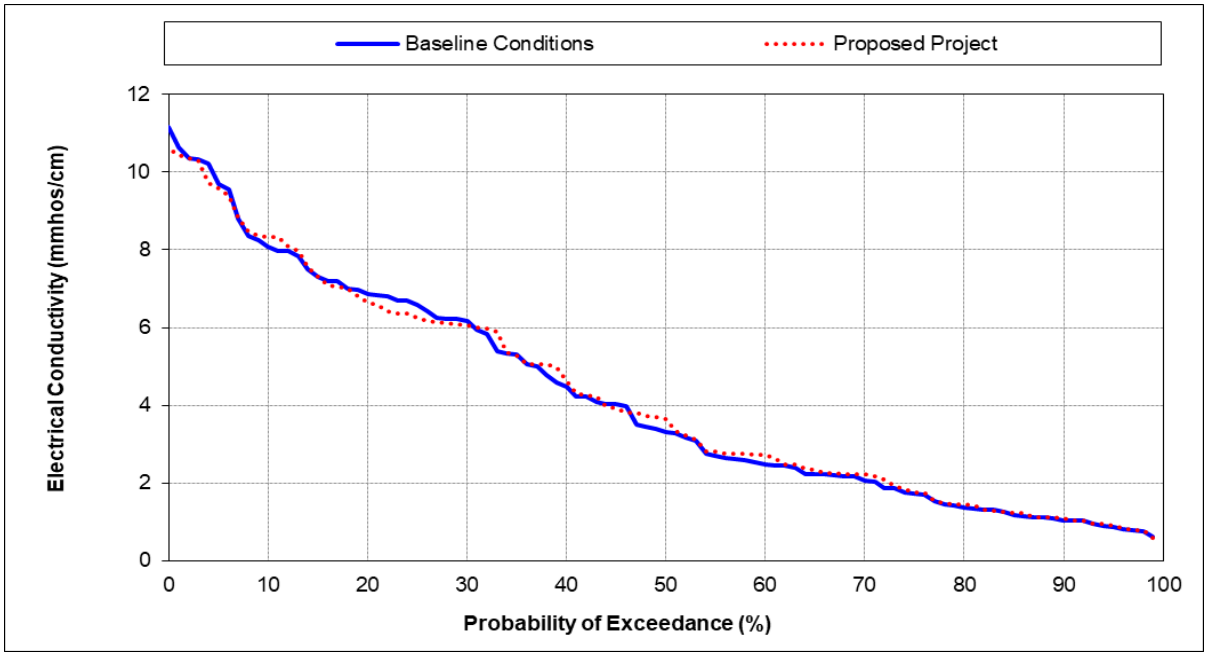


**Figure 5B-17k. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), May**

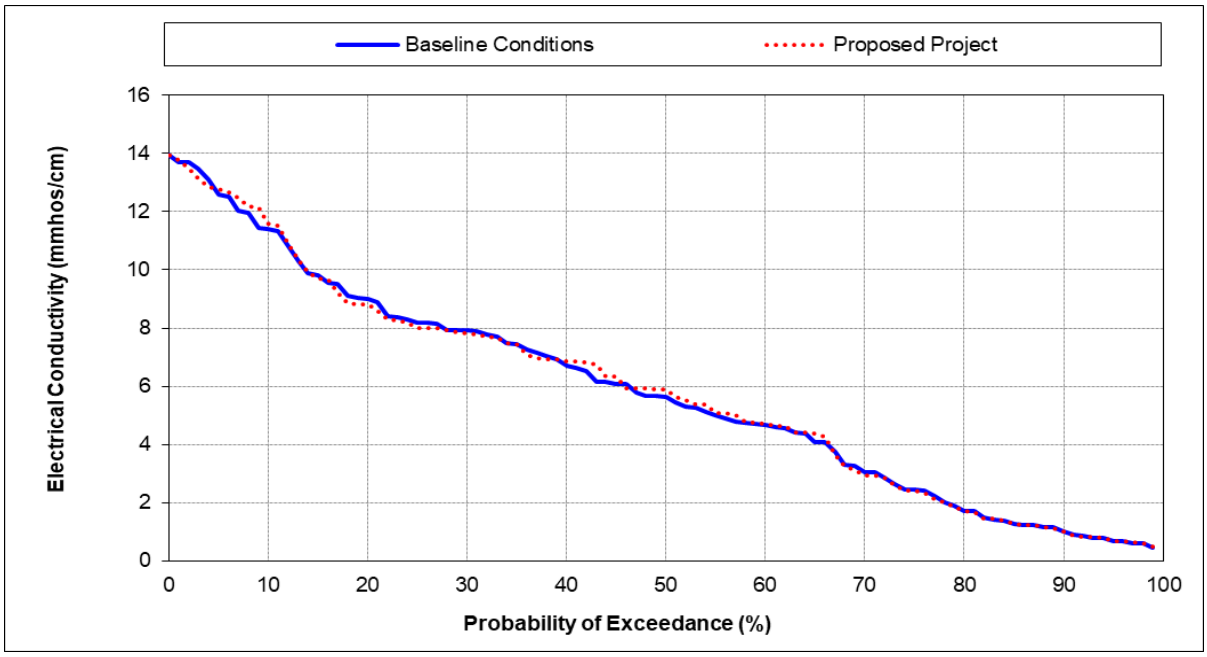


**Figure 5B-17l. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), June**

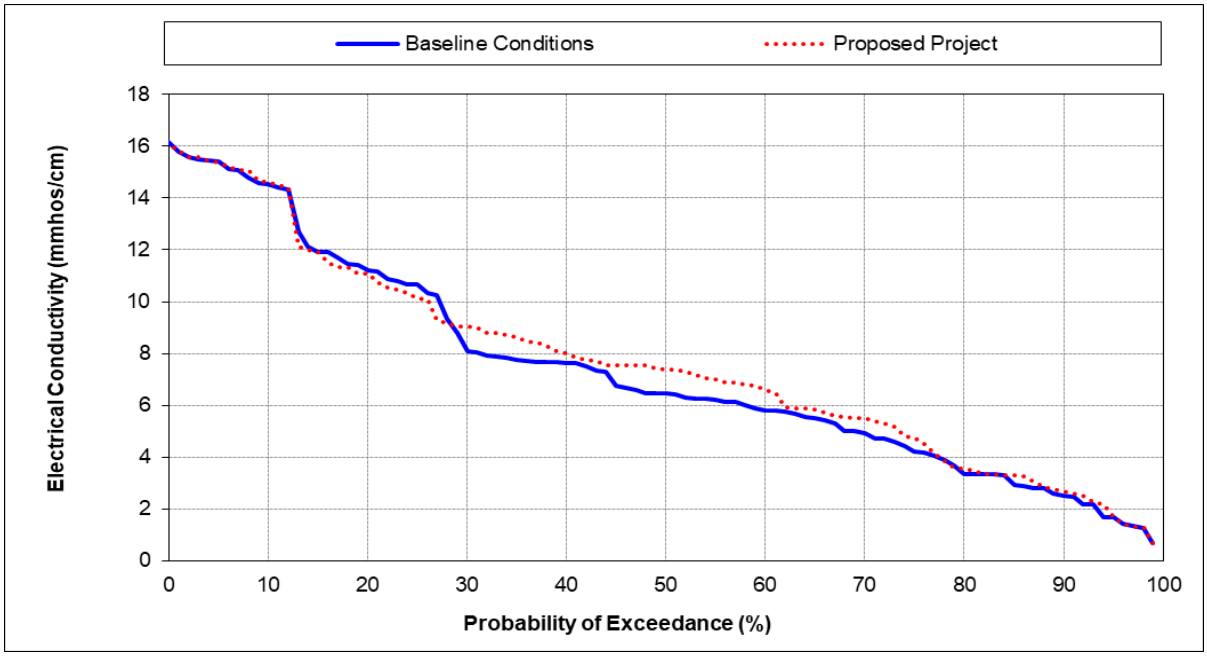


**Figure 5B-17m. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), July**

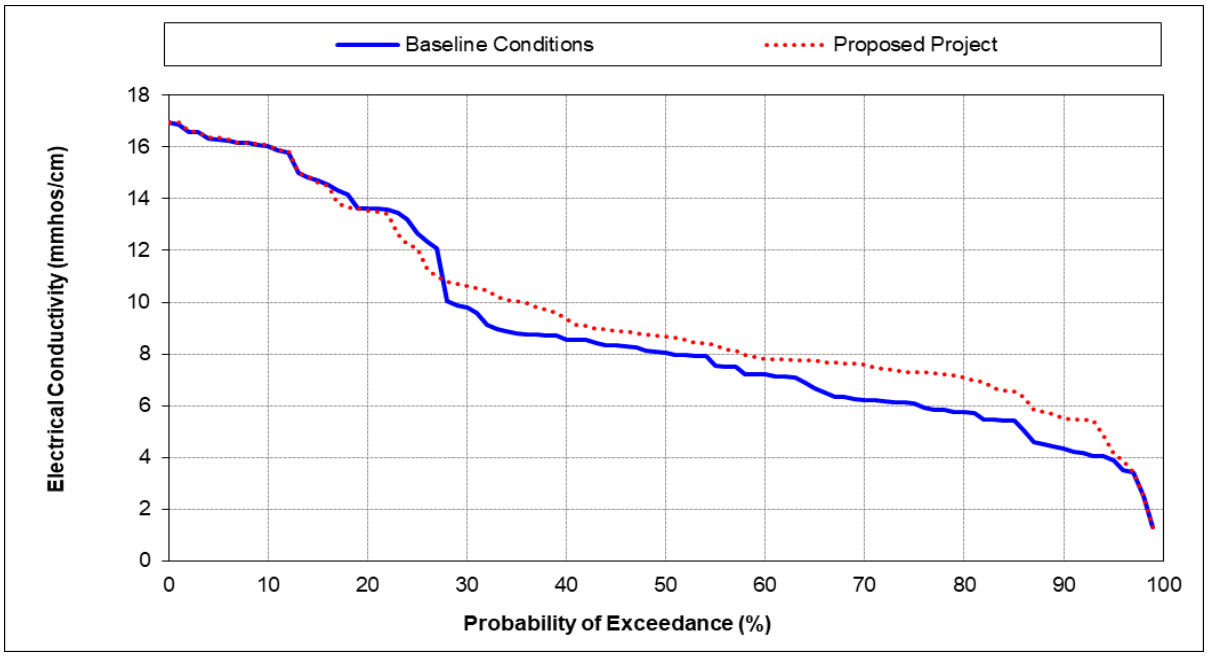


**Figure 5B-17n. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), August**

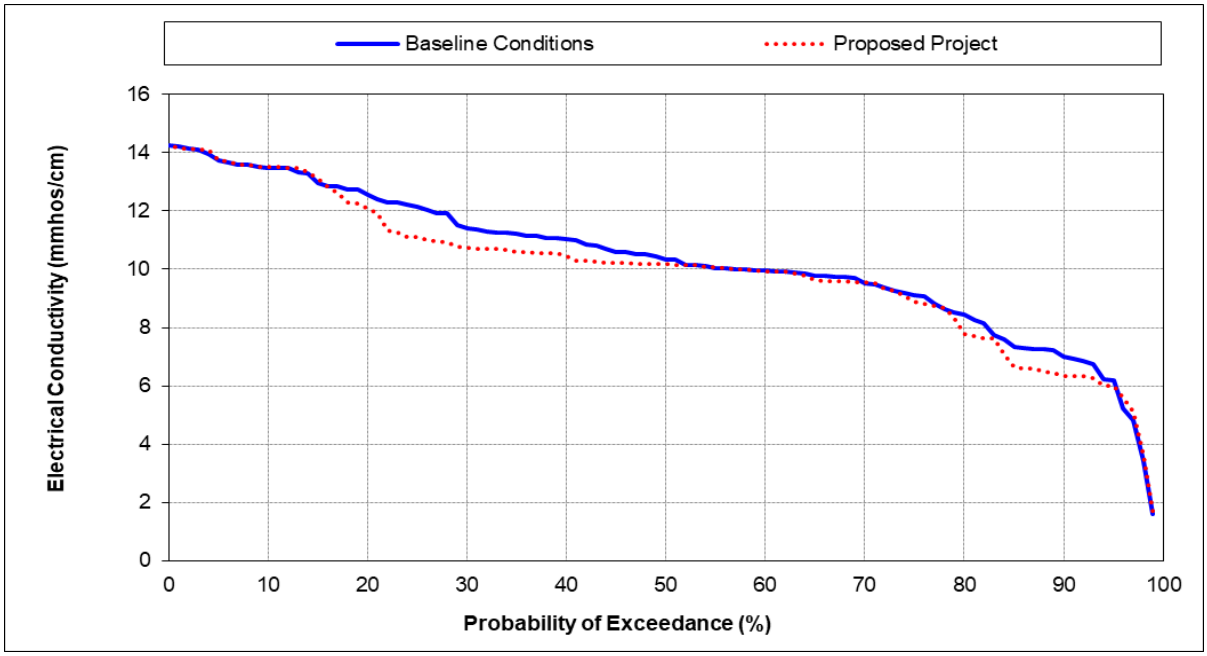


**Figure 5B-17o. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), September**

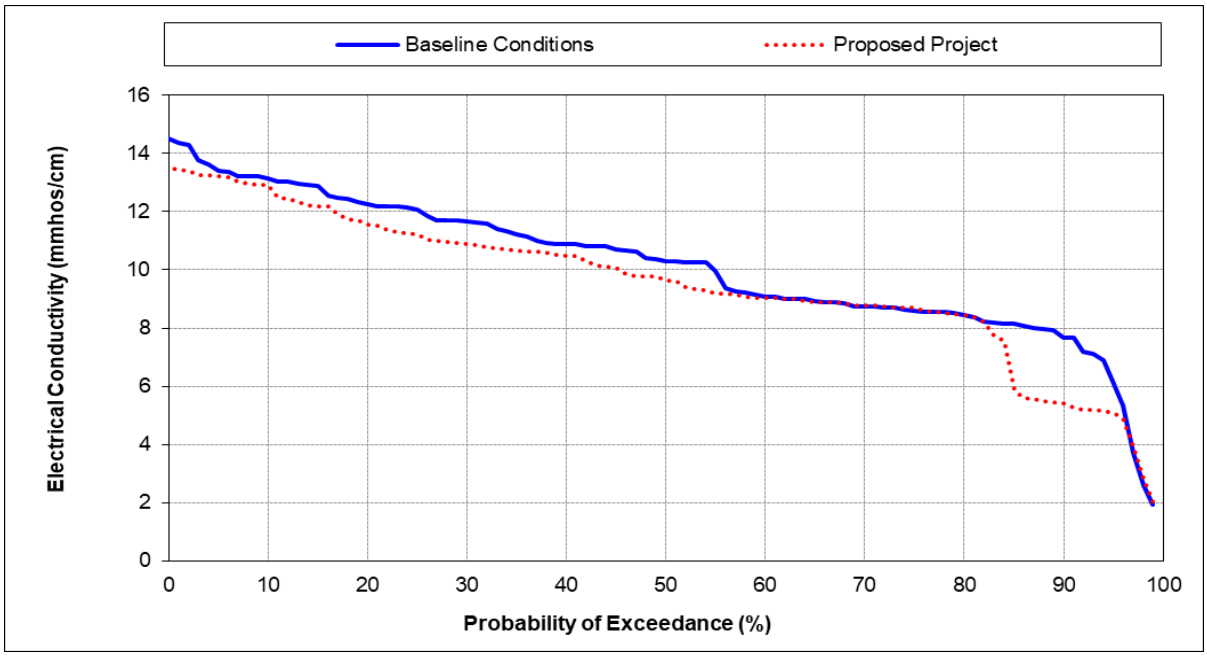


**Figure 5B-17p. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), October**

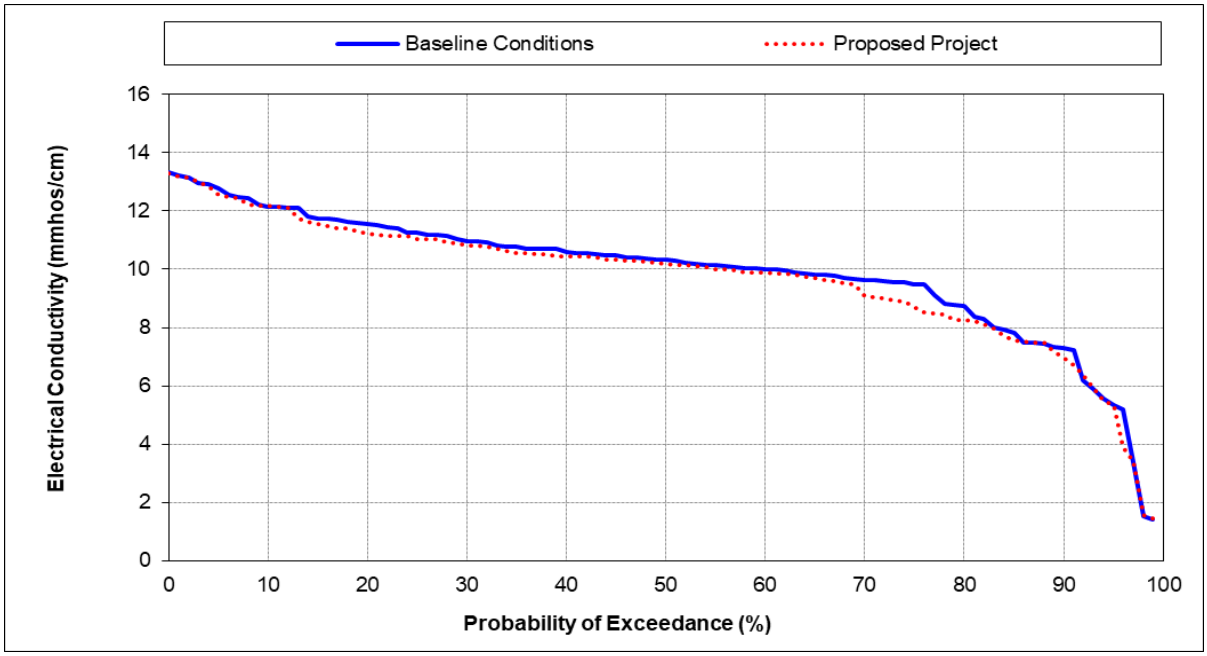


**Figure 5B-17q. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), November**

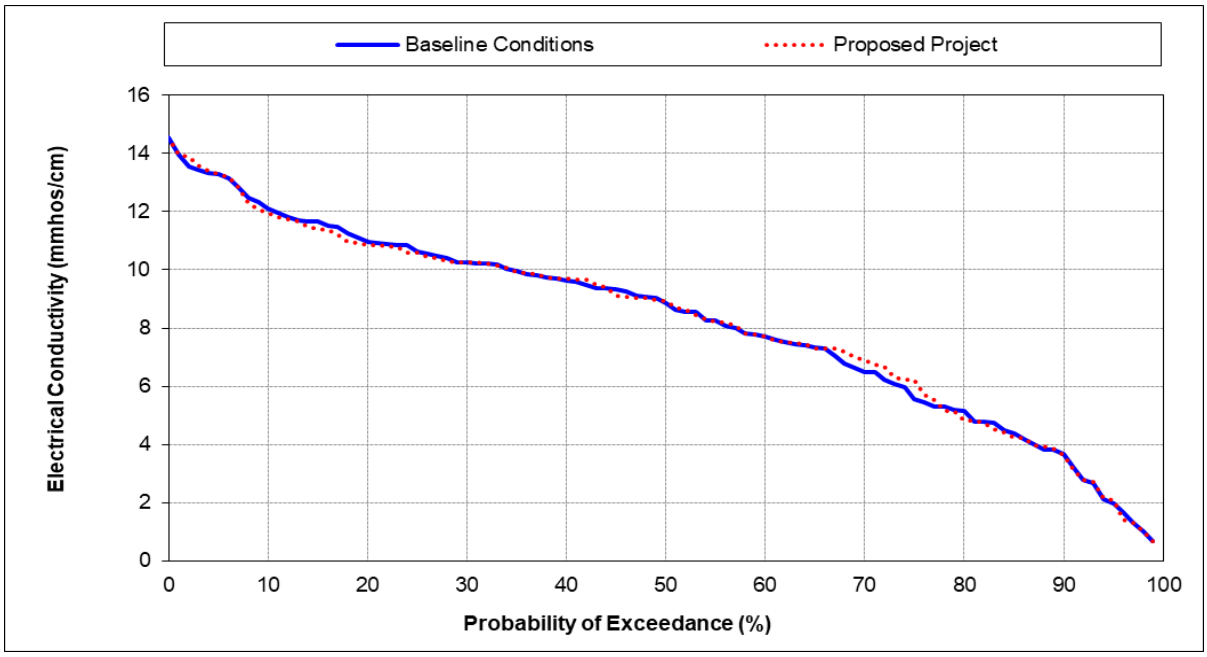


**Figure 5B-17r. Chadbourne Slough near Sunrise Duck Club, Monthly Average Electrical Conductivity (in millimhos per centimeter), December**

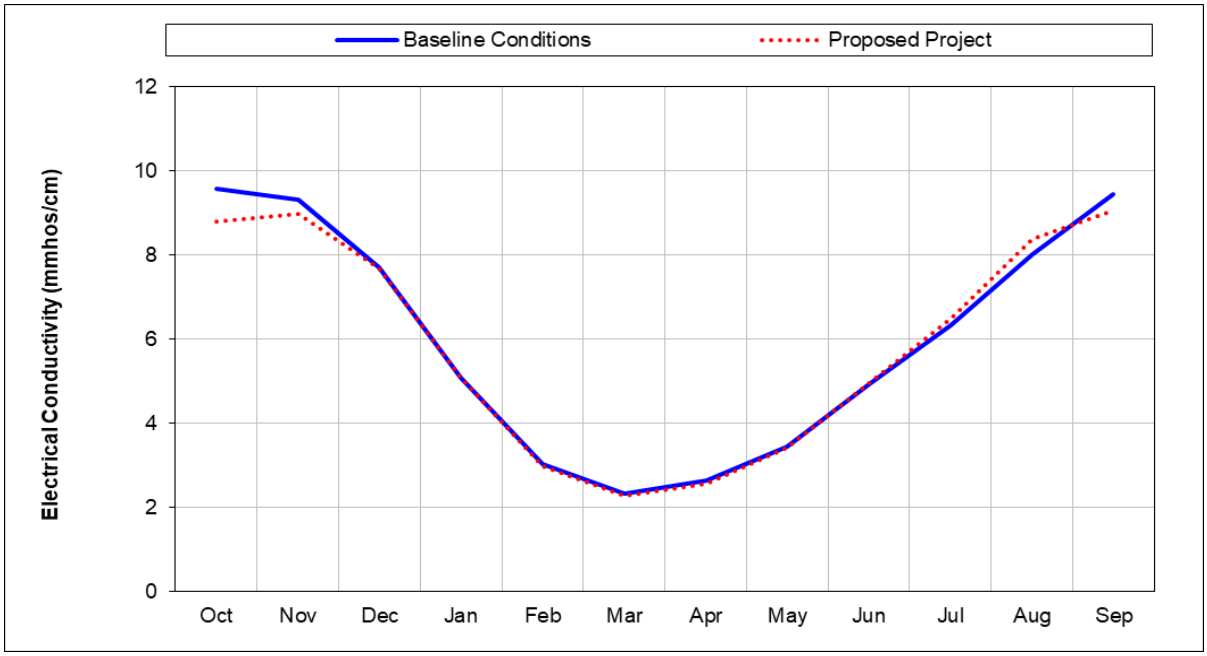


**Figure 5B-18a. Suisun Slough 300 ft south of Volanti Slough, Long term Monthly Average Electrical Conductivity (in millimhos per centimeter)**

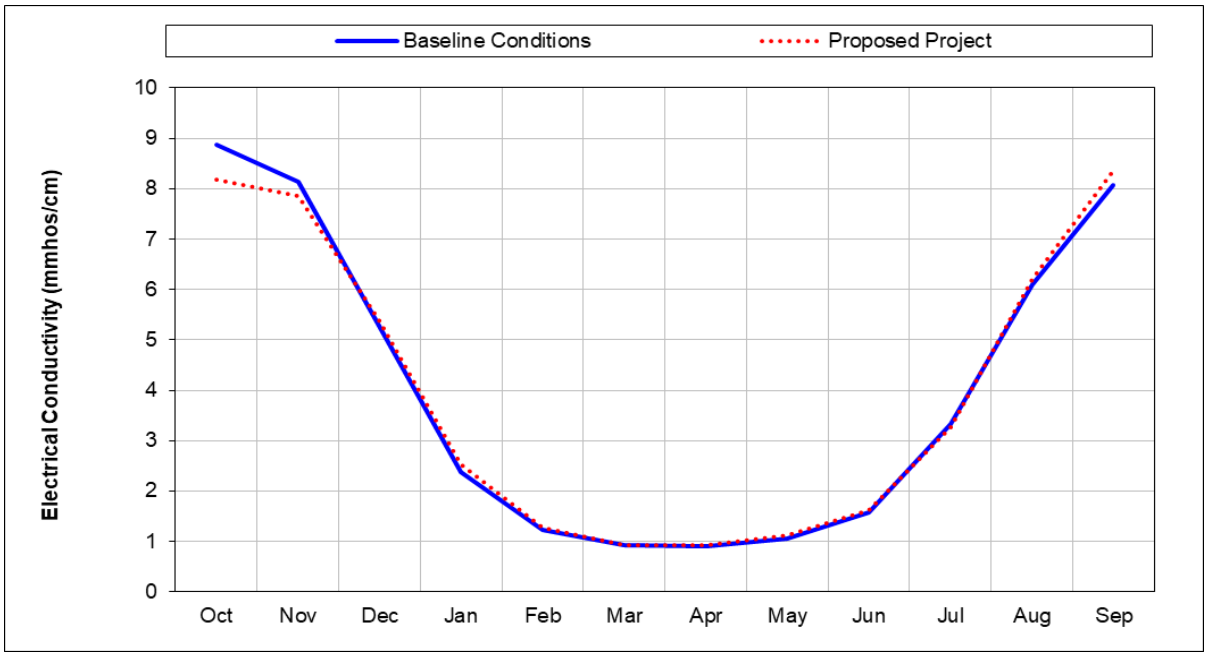


**Figure 5B-18b. Suisun Slough 300 ft south of Volanti Slough, Wet Year Monthly Average Electrical Conductivity (in millimhos per centimeter)**

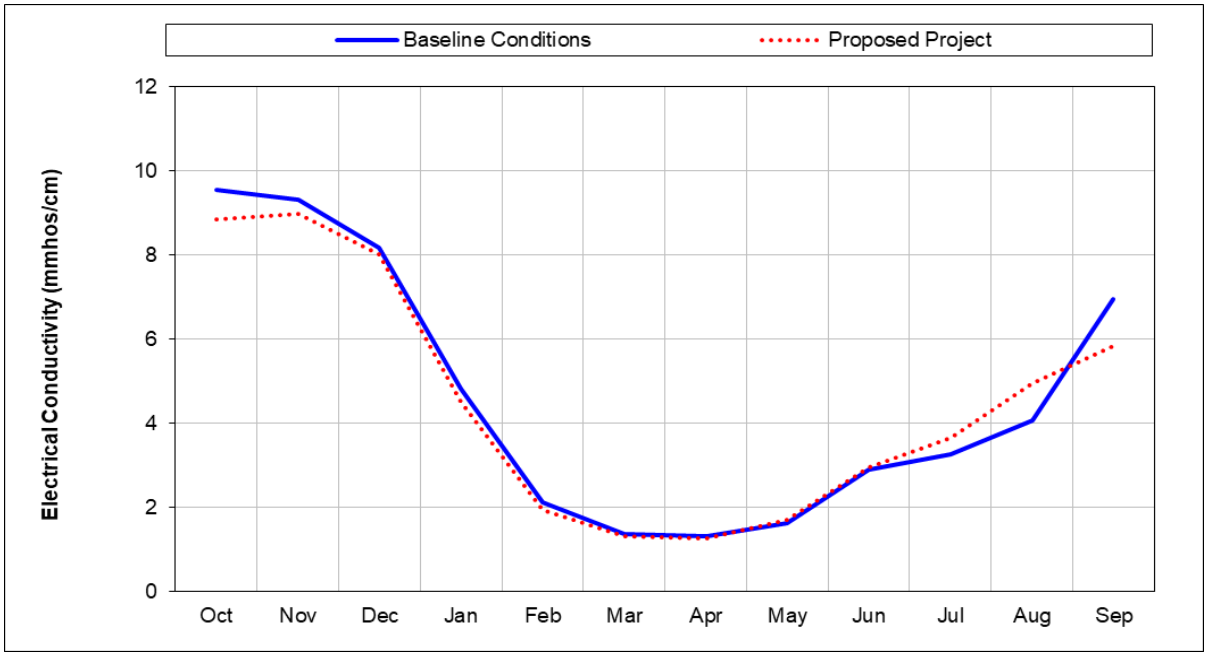


**Figure 5B-18c. Suisun Slough 300 ft south of Volanti Slough, Above Normal Year Monthly Average Electrical Conductivity (in millimhos per centimeter)**

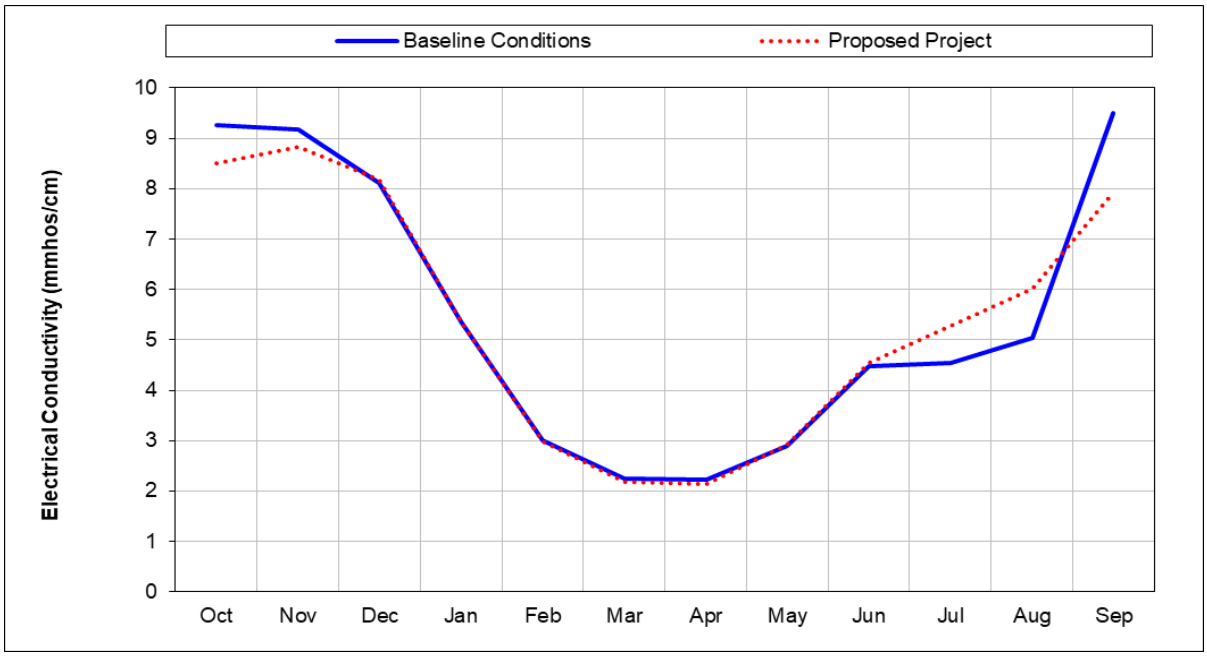


**Figure 5B-18d. Suisun Slough 300 ft south of Volanti Slough, Below Normal Year Monthly Average Electrical Conductivity (in millimhos per centimeter)**

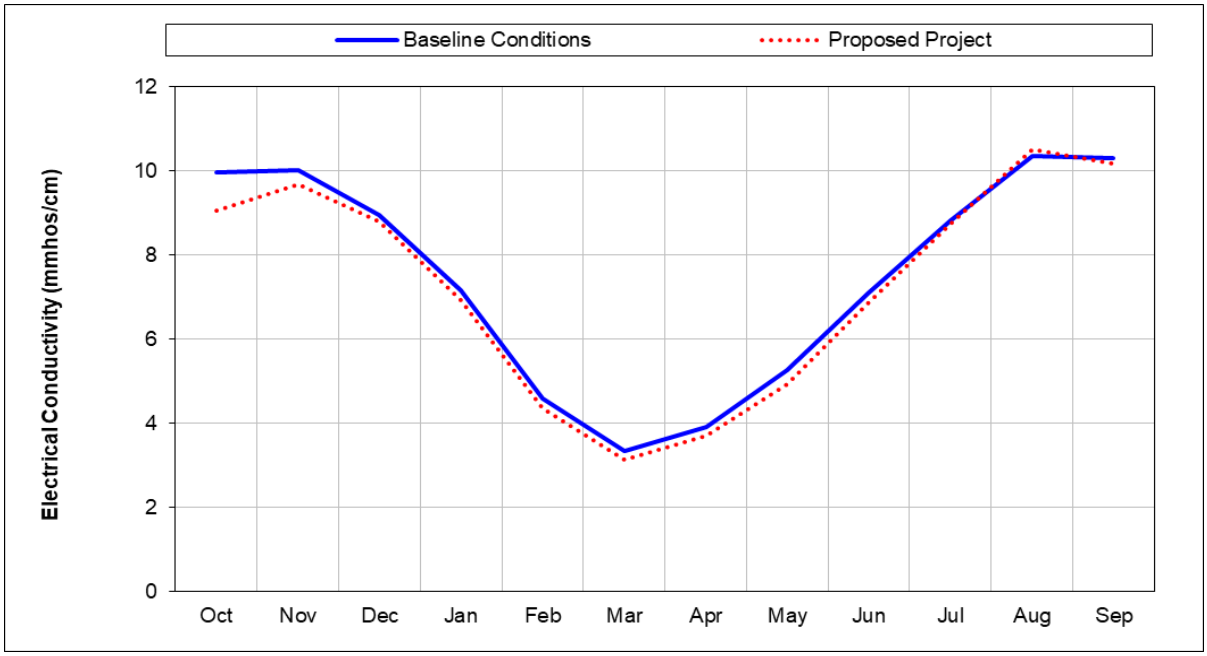


**Figure 5B-18e. Suisun Slough 300 ft south of Volanti Slough, Dry Year Monthly Average Electrical Conductivity (in millimhos per centimeter)**

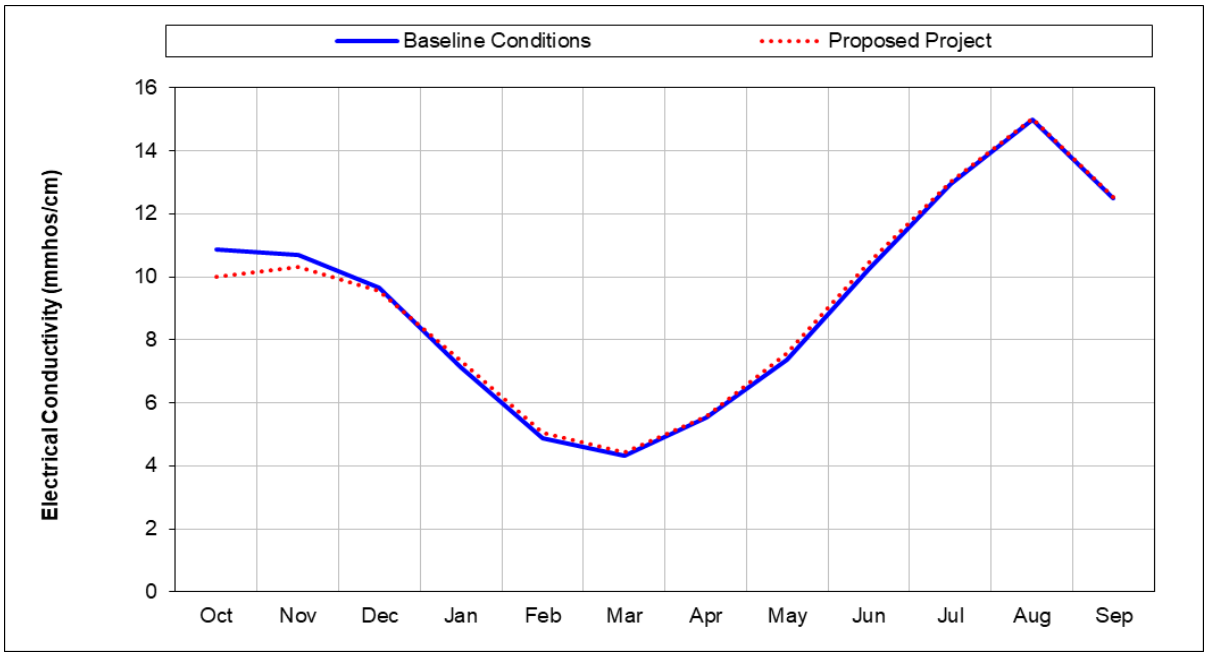


**Figure 5B-18f. Suisun Slough 300 ft south of Volanti Slough, Critical Year Monthly Average Electrical Conductivity (in millimhos per centimeter)**

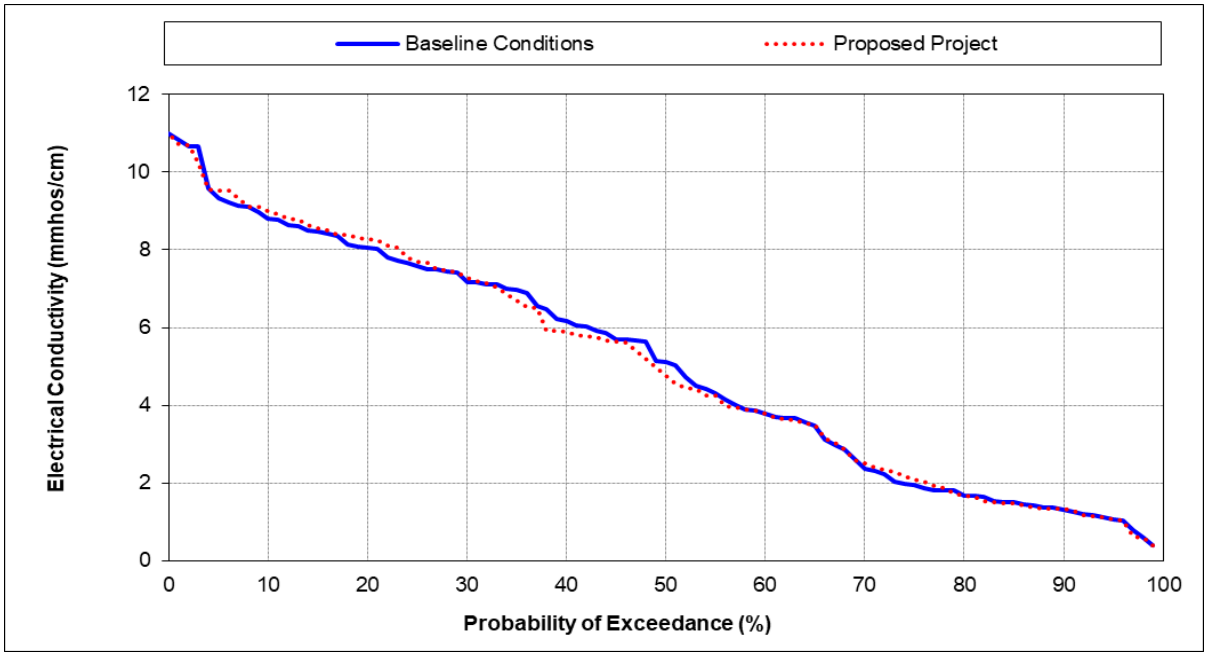


**Figure 5B-18g. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), January**

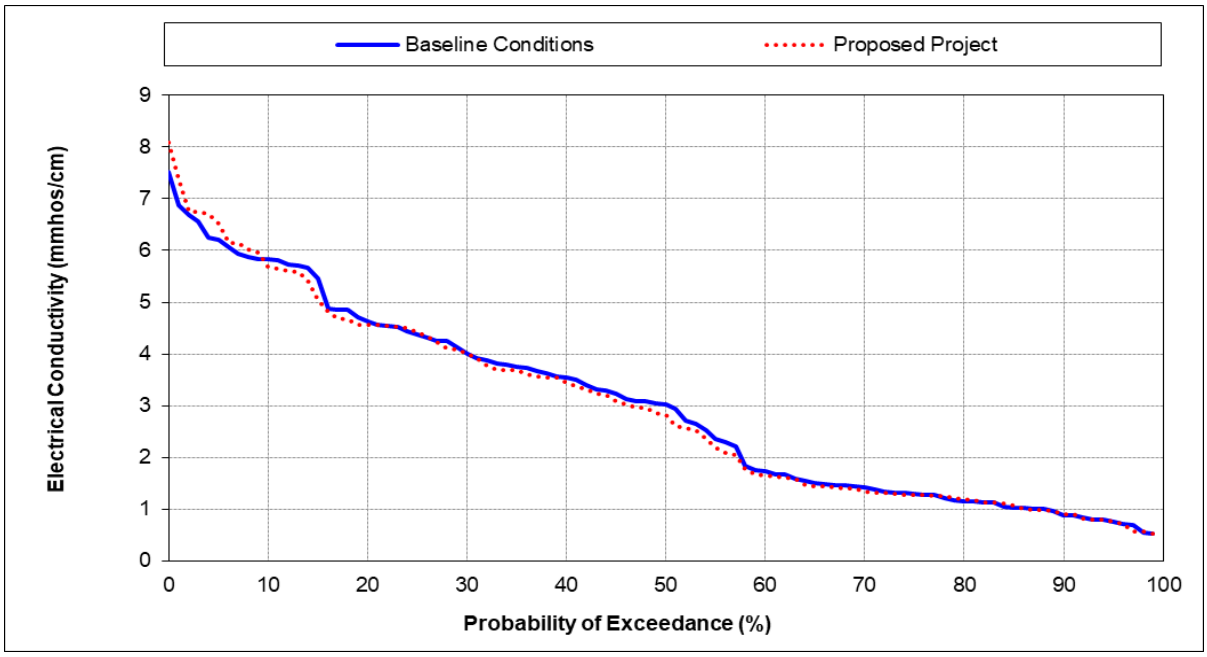


**Figure 5B-18h. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), February**

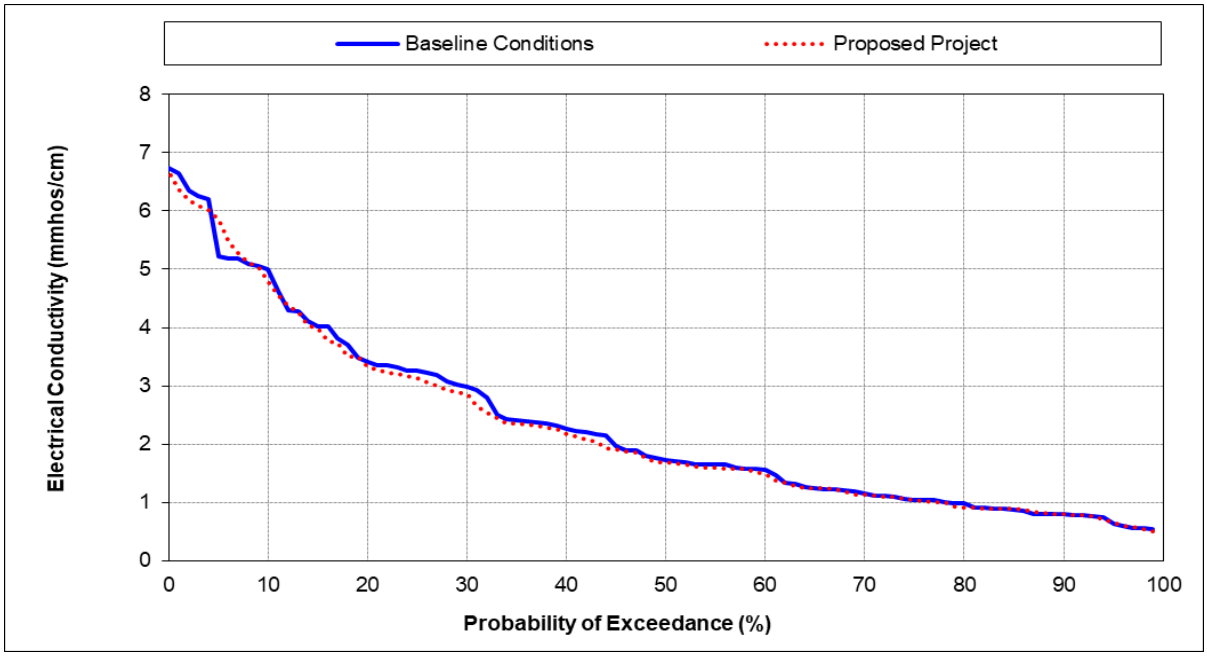


**Figure 5B-18i. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), March**

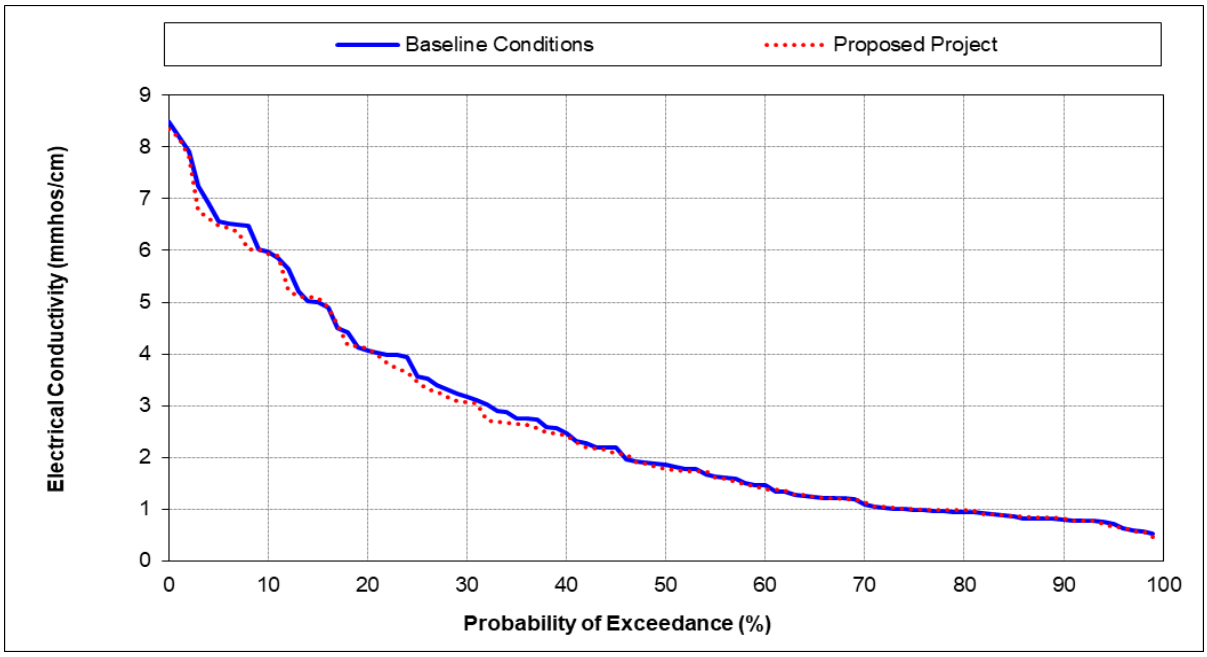


**Figure 5B-18j. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), April**

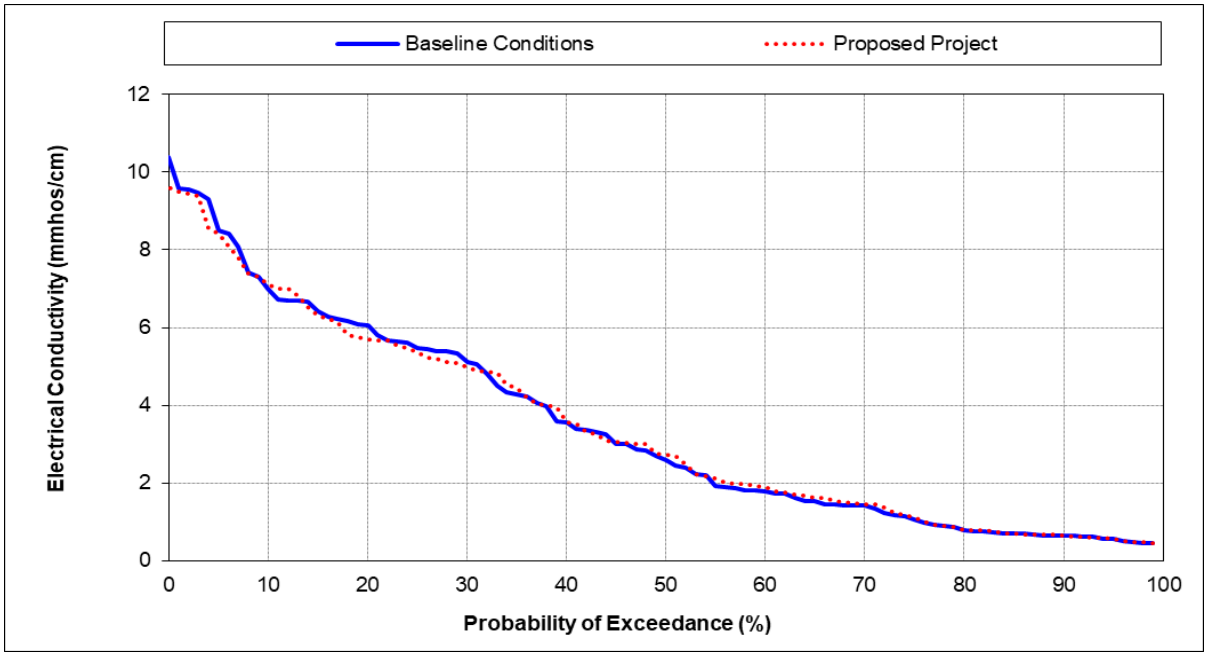


**Figure 5B-18k. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), May**

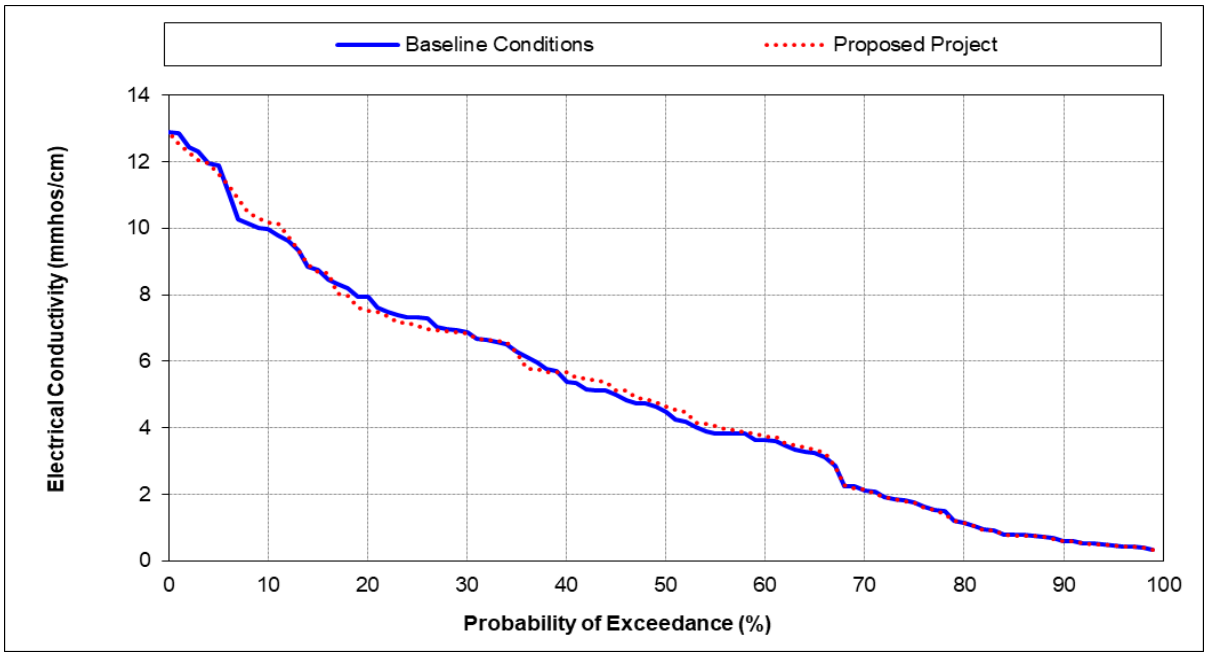


**Figure 5B-18l. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), June**

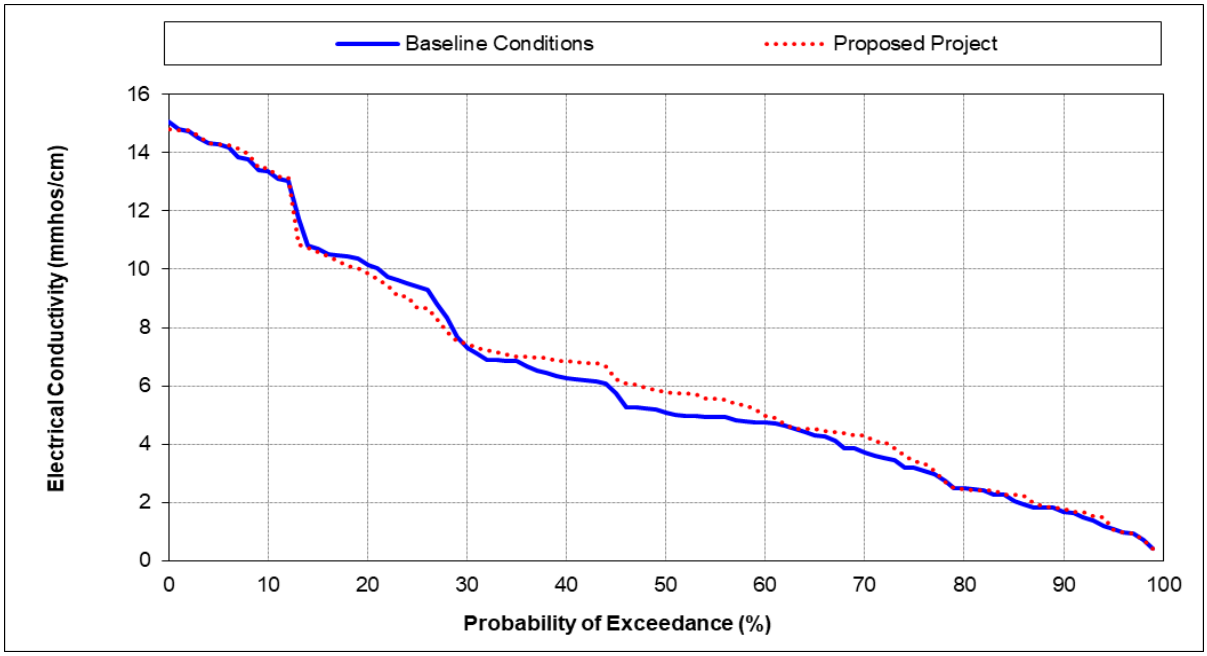


**Figure 5B-18m. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), July**

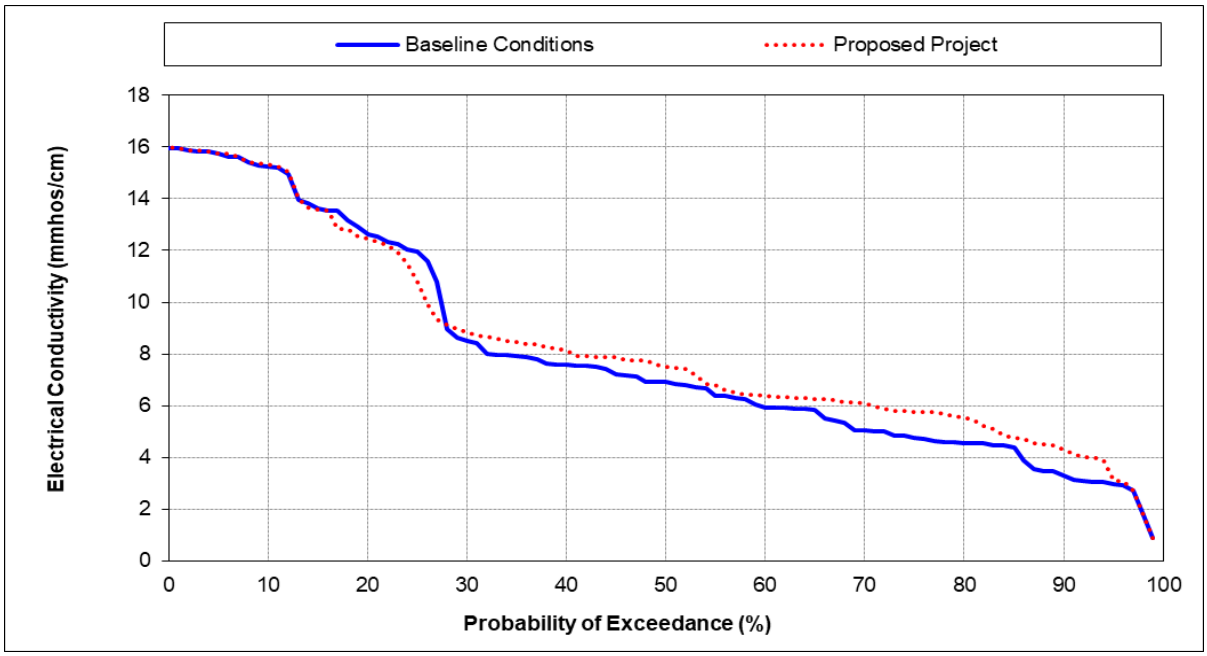


**Figure 5B-18n. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), August**

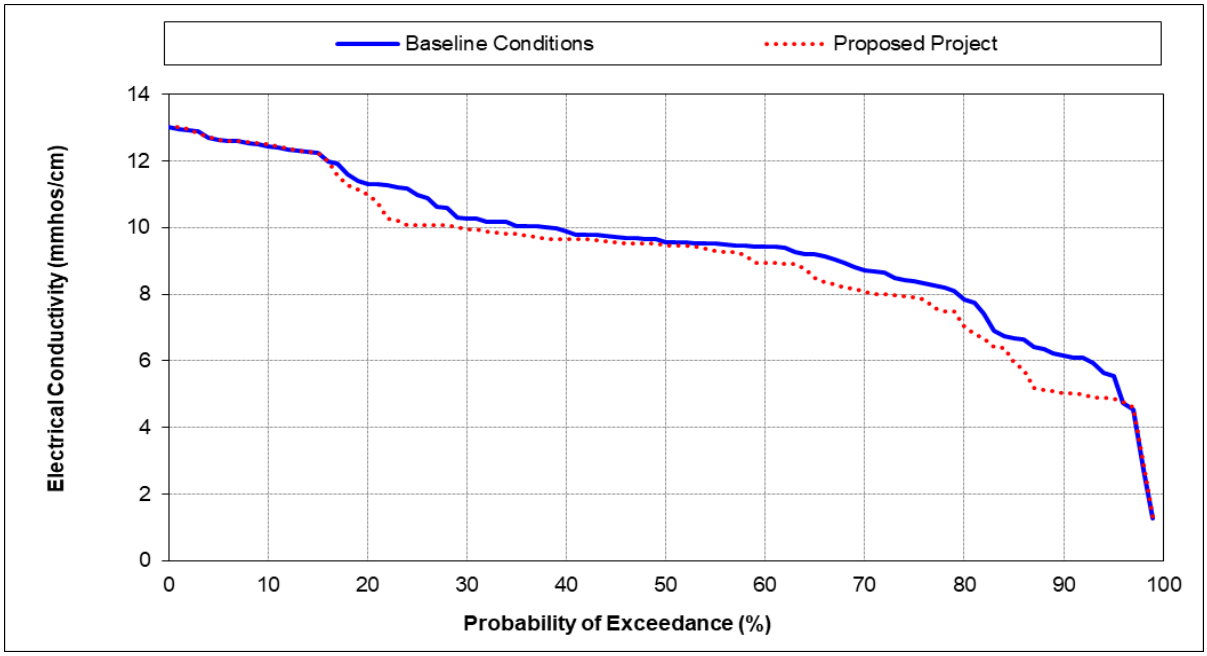


**Figure 5B-18o. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), September**

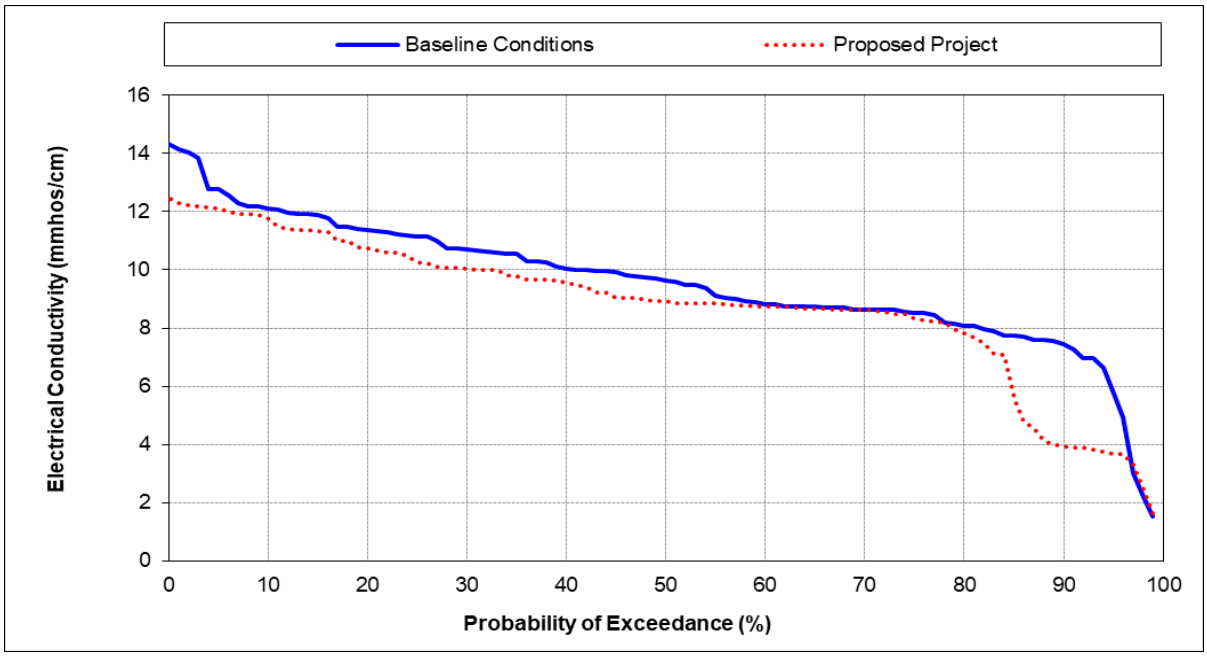


**Figure 5B-18p. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), October**

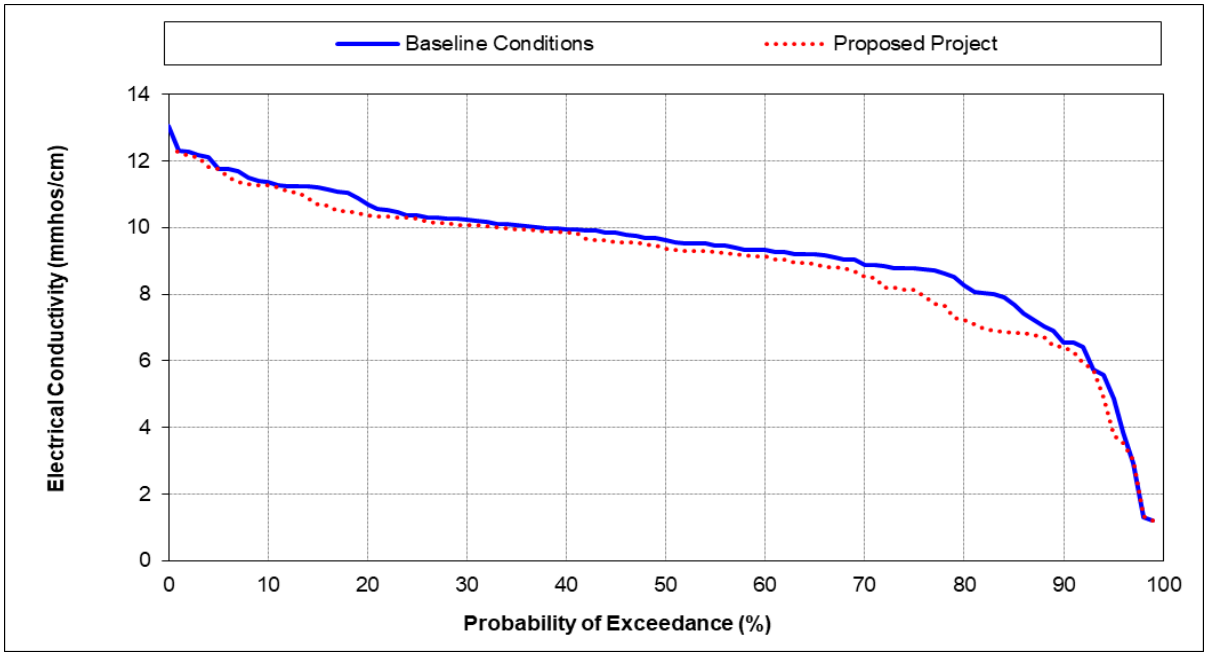


**Figure 5B-18q. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), November**

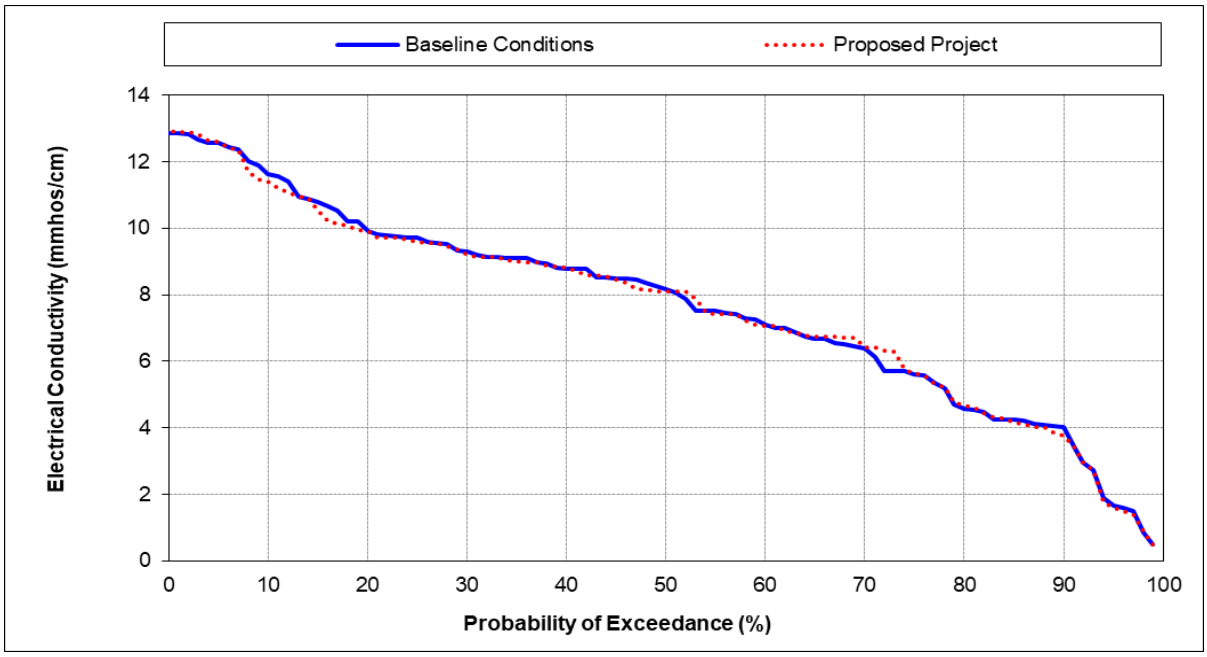


**Figure 5B-18r. Suisun Slough 300 ft south of Volanti Slough, Monthly Average Electrical Conductivity (in millimhos per centimeter), December**