.

SONOMA COUNTY WATER AGENCY

CF/45-0-2 Fish Habitat Flows and Water Rights Project (ID 3000)

**To:** Responsible and Trustee Agencies and Interested Parties

**From:** Jessica Martini-Lamb, Environmental Resources Manager

**Date:** January 26, 2017

**Re**: Fish Habitat Flows and Water Rights Project Draft Environmental Impact Report - Errata

The Sonoma County Water Agency (Water Agency) released a Draft Environmental Impact Report (Draft EIR) for the proposed Fish Habitat Flows and Water Rights Project (Fish Flow Project) on August 19, 2016 (State Clearinghouse #2010092087). The Water Agency would like to correct/clarify some inaccuracies in the Draft EIR Appendix G, Modeling Report, that have been identified since publication of the Draft EIR.

The California Environmental Quality Act (CEQA) requires recirculation of an EIR when the lead agency adds significant new information to an EIR regarding changes to the project or the environmental setting as well as additional data or other information after public notice is given of the availability of a Draft EIR for public review under CEQA Guidelines (California Code of Regulations [CCR]) Section 15087, but prior to EIR certification [CEQA Guidelines CCR Section 15088.5(a)]. Recirculation is not required where the new information added to the EIR merely clarifies or amplifies or makes insignificant modifications in an adequate EIR [CEQA Guidelines CCR Section 15088.5(b)].

The corrections/clarifications included in the Draft EIR Errata do not add significant new information or data regarding the project or environmental setting and would not substantially increase the severity of an impact or create a new significant impact. Therefore, recirculation of the Draft EIR is not required.

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404 Aviation Boulevard ▪ Santa Rosa, CA 95403-9019 ▪ (707) 526-5370 ▪ Fax (707) 544-6123 ▪ www.sonomacountywater.org

## Fish Habitat Flows and Water Rights Project Draft Environmental Impact Report Errata

**Draft EIR, Appendix G Errata Table**

| Item Number | Description | Pages | Correction |
|---|---|---|---|
| 1 | Appendix G, Modeling Reports | | Appendix G title page was missing. Title page is included below. |
| 2 | Russian River Hydrologic Modeling for the Fish Habitat Flow and Water Rights Project, Attachment 1 | 15 - 19, 22 - 26, 119 - 163, 177 - 221 | Replaced pages 15 - 19, 22 - 26, 119 - 163, 177 – 221 with correct figures for each model junction. Replaced pages are below. |
| 3 | Russian River Hydrologic Modeling for the Fish Habitat Flow and Water Rights Project, Attachment 2 | 15 - 19, 22 - 26, 119 - 163, 177 - 221 | Replaced pages 15 - 19, 22 - 26, 119 - 163, 177 – 221 with correct figures for each model junction. Replaced pages are below. |
| 4 | Russian River Hydrologic Modeling for the Fish Habitat Flow and Water Rights Project, Attachment 3 | 15 - 19, 22 - 26, 119 - 163, 177 - 221 | Replaced pages 15 - 19, 22 - 26, 119 - 163, 177 – 221 with correct figures for each model junction. Replaced pages are below. |
| 5 | Russian River Hydrologic Modeling for the Fish Habitat Flow and Water Rights Project, Attachment 4 | 15 - 19, 22 - 26, 119 - 163, 177 - 221 | Replaced pages 15 - 19, 22 - 26, 119 - 163, 177 – 221 with correct figures for each model junction. Replaced pages are below. |
| 6 | Russian River Hydrologic Modeling for the Fish Habitat Flow and Water Rights Project, Attachment 5 | 15 - 19, 22 - 26, 119 - 163, 177 - 221 | Replaced pages 15 - 19, 22 - 26, 119 - 163, 177 – 221 with correct figures for each model junction. Replaced pages are below. |
| 7 | Russian River Hydrologic Modeling for the Fish Habitat Flow and Water Rights Project, Attachment 6 | 15 - 19, 22 - 26, 119 - 163, 177 - 221 | Replaced pages 15 - 19, 22 - 26, 119 - 163, 177 – 221 with correct figures for each model junction. Replaced pages are below. |
| 8 | Russian River Hydrologic Modeling for the Fish Habitat Flow and Water Rights Project, Attachment 7 | 15 - 19, 22 - 26, 119 - 163, 177 - 221 | Replaced pages 15 - 19, 22 - 26, 119 - 163, 177 – 221 with correct figures for each model junction. Replaced pages are below. |
| 9 | Development of the Russian River Hydrologic Index for the Fish Habitat Flows and Water Rights Project | 4-2, 4-3, 4-4, 4-5, 4-6, 4-7, 4-8, 4-9, 4-10, 4-11, 4-12, 4-13, 4-14, 4-15,4-16, 4-17, 5-18, 5-19, 5-20, 5-21, 5-22, 5-23, 5-24, 5-25,5-26, 5-27, 5-28, 5-29, 5-1, 5-2, 5-3 | Correct page numbers are as follows: 4-~~2~~1, 4-~~3~~2, 4-~~4~~3, 4-~~5~~4, 4-~~6~~5, 4-~~7~~6, 4-~~8~~7, 4-~~9~~8, 4-~~10~~9, 4-~~11~~10, 4-~~12~~11, 4-~~13~~12, 4-~~14~~13, 4-~~15~~14,4-~~16~~15, 4-~~17~~16, 5-~~18~~1, 5-~~19~~2, 5-~~20~~3, 5-~~21~~4, 5-~~22~~5, 5-~~23~~6, 5-~~24~~7, 5-~~25~~8,5-~~26~~9, 5-~~27~~10, 5-~~28~~11, 5-~~29~~12, 5-~~1~~13, 5-~~2~~14, 5-~~3~~15 |
| 10 | Provisional Simulated Unimpaired Mean Daily Streamflow in the Russian River and Upper Eel River Basins, California, under Historical (1910-2013) and Projected Future (2001-2099) Climates: U.S. Geological Survey Data Release | 6 | Insert missing Figures 1 - 6 after page 6 of provisional report. Figures are provided below. |

**Errata Item 1**

**Appendix G, Modeling Reports**

**Appendix G Title Page**

# APPENDIX G

## Modeling Reports

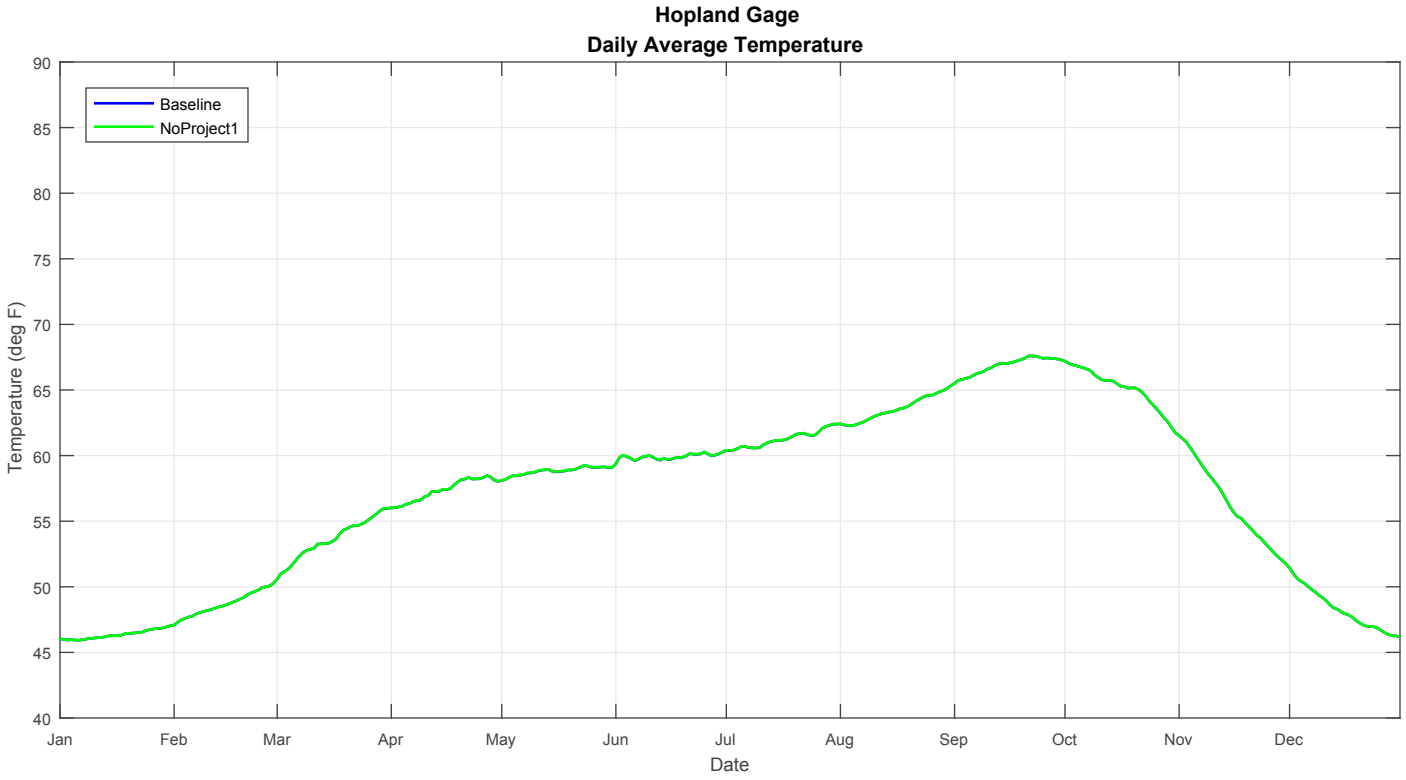
1. Russian River Hydrologic Modeling for the Fish Habitat Flows and Water Rights Project
2. Development of the Russian River Hydrologic Index for the Fish Habitat Flows and Water Rights Project
3. Provisional Simulated Unimpaired Mean Daily Streamflow in the Russian River and Upper Eel River Basins, California, under Historical (1910-2013) and Projected Future (2001-2099) Climates: U.S. Geological Survey Data Release
4. Sonoma County Water Agency Russian River Operations Model: Streamflow Depletion Time Series Development
5. Russian River Applied Water Estimates Development Report
6. HEC-5Q Russian River Basin Model Demonstration
7. Sonoma County Water Agency Russian River Operations Model: Synthetic 1 in 100 Dry Year Inflow Development

**Errata Item 2**

**Appendix G, Modeling Reports**

**Russian River Hydrologic Modeling for the Fish Habitat Flow and Water Rights Project, Attachment 1**

**Pages: 15 - 19, 22 - 26, 119 - 163, 177 - 221**


Hopland Gage
Daily Average Temperature
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NoProject1
Temperature (deg F)
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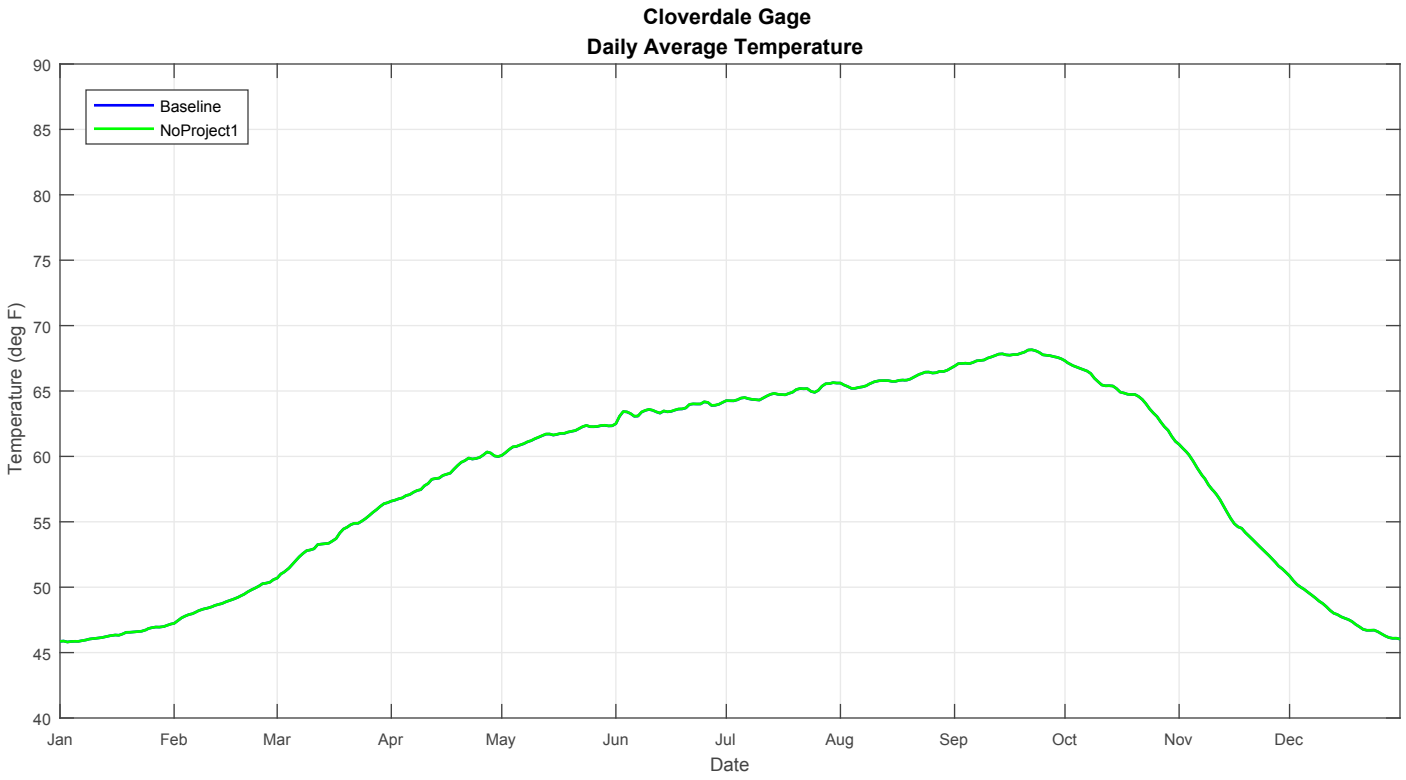
Cloverdale Gage
Daily Average Temperature
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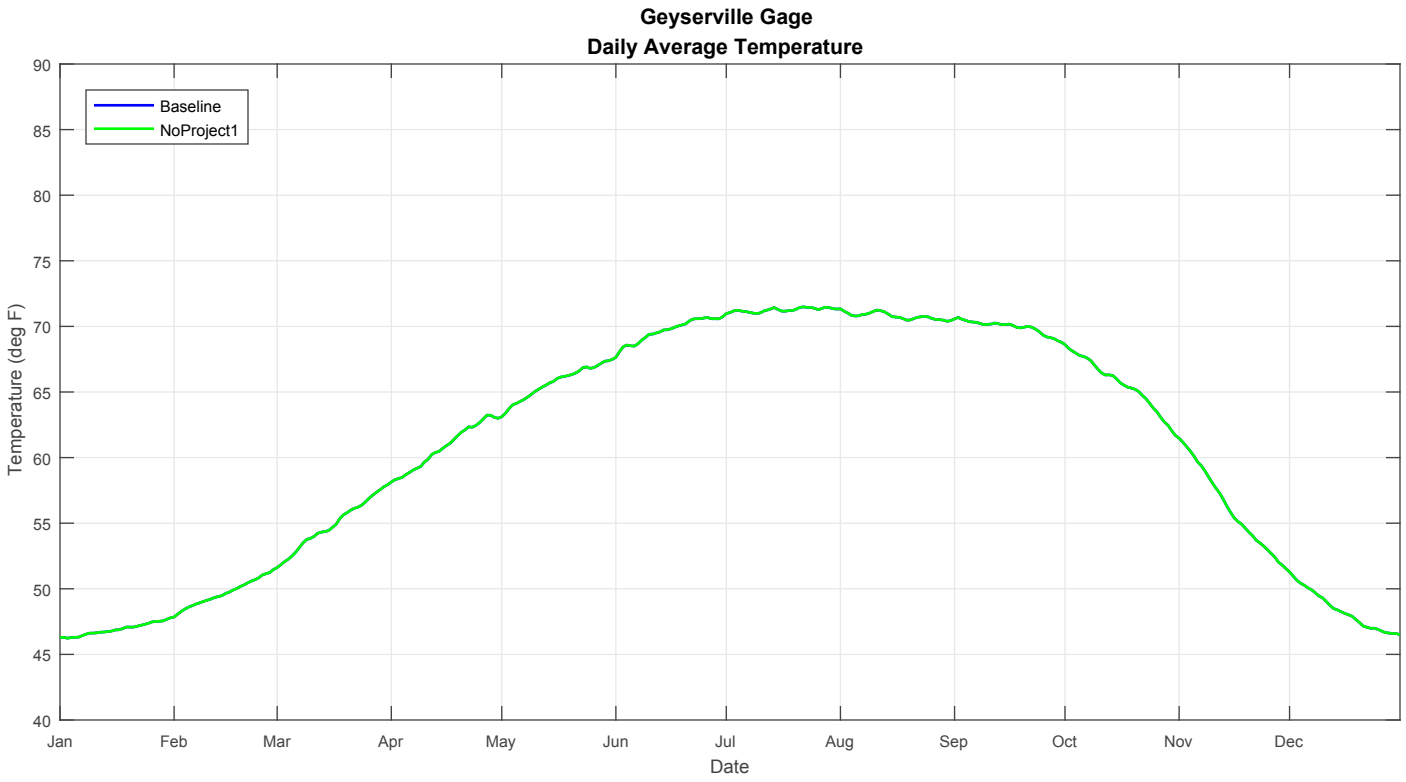
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Daily Average Temperature
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Temperature (deg F)
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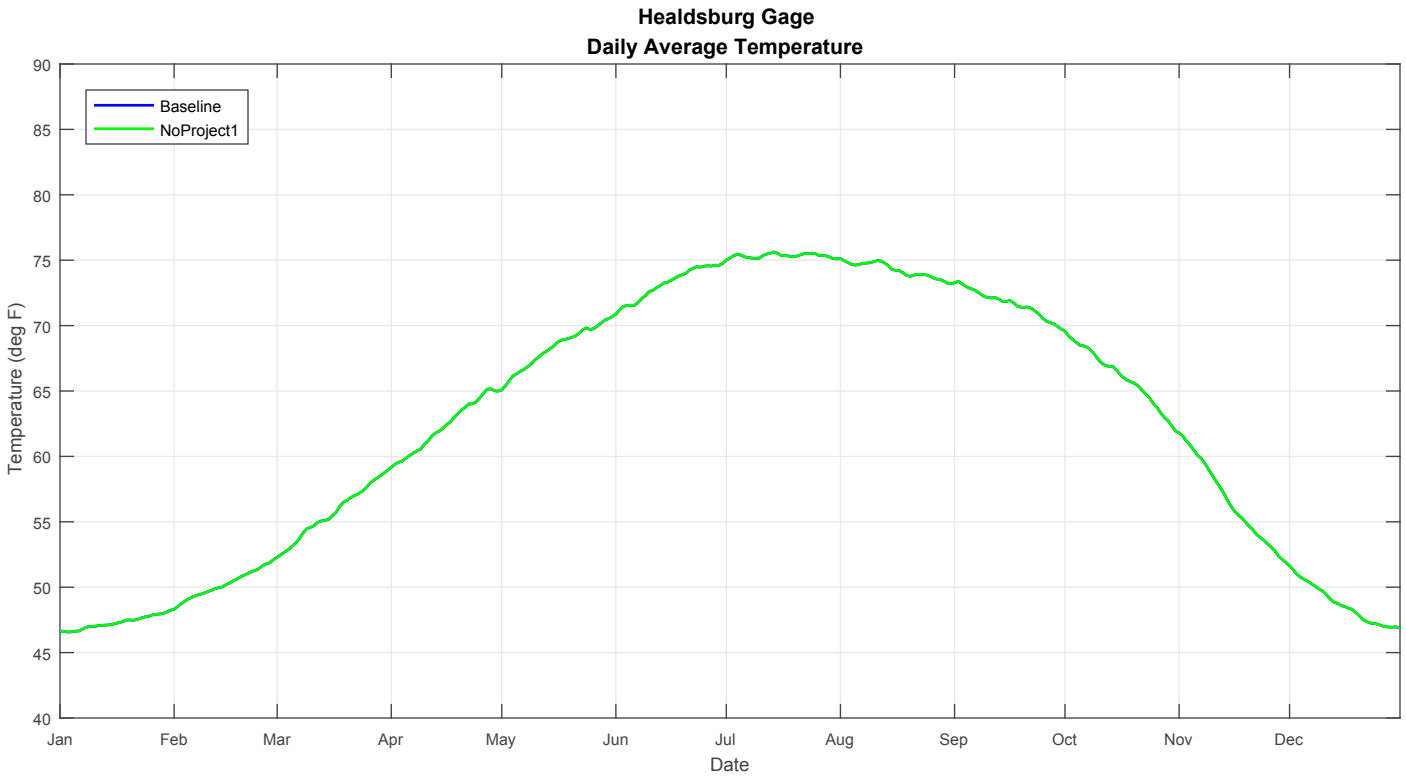
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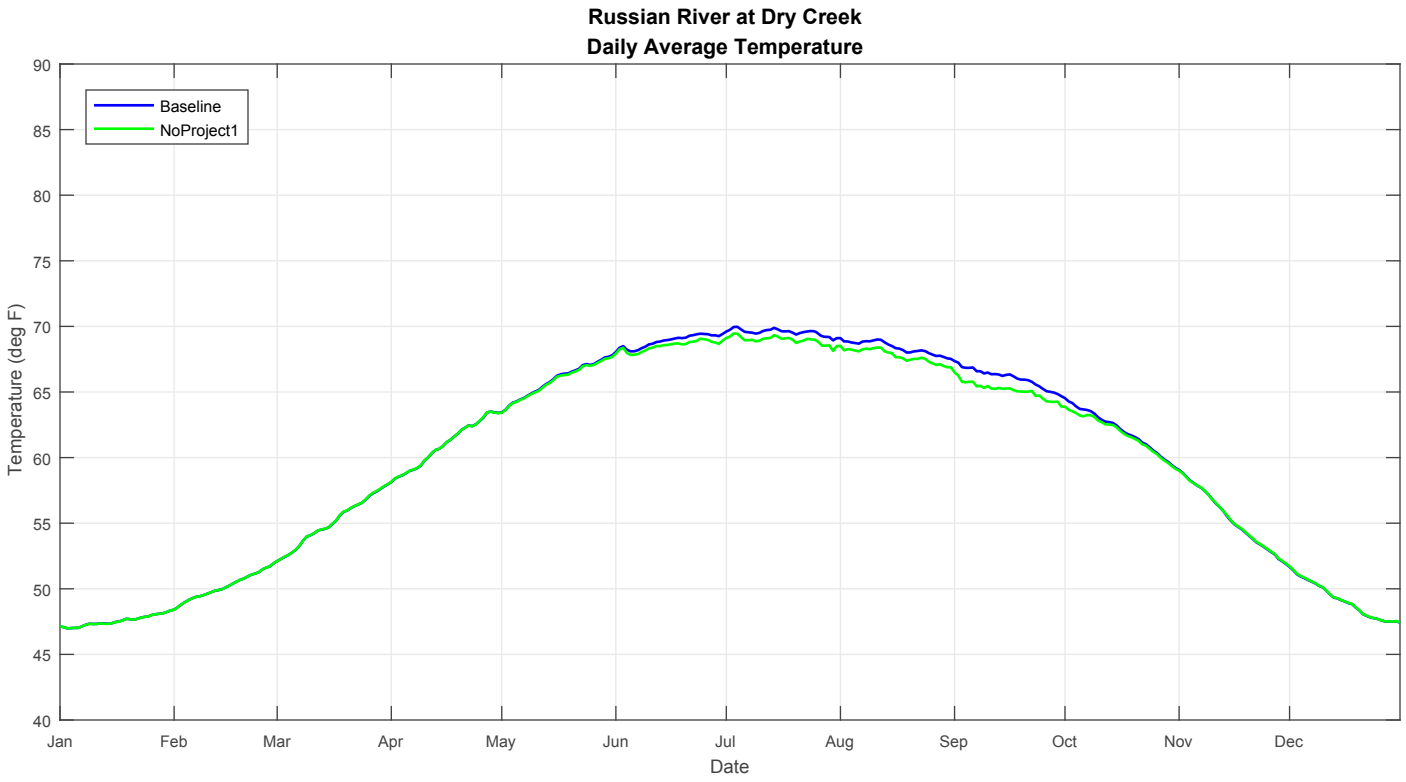
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Temperature (deg F)
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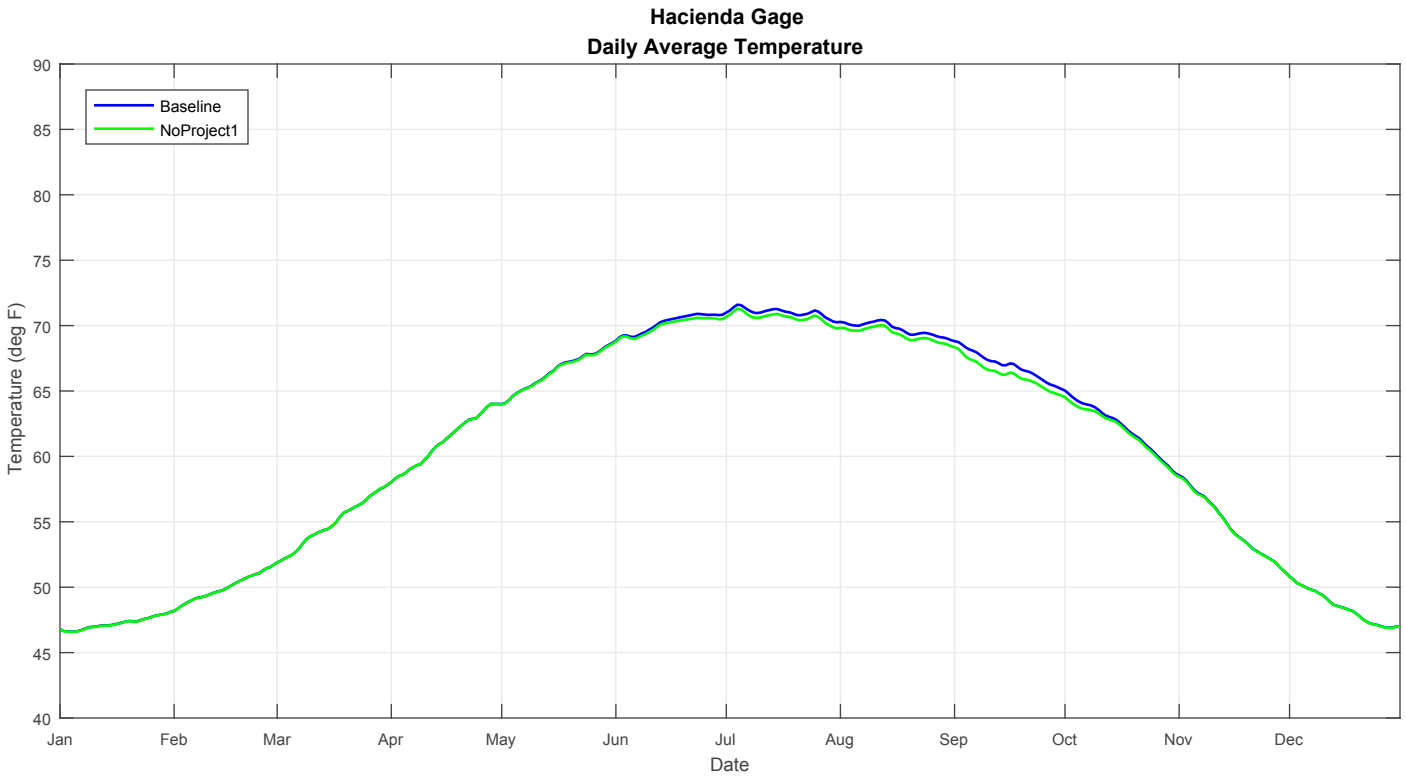
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Daily Average Temperature
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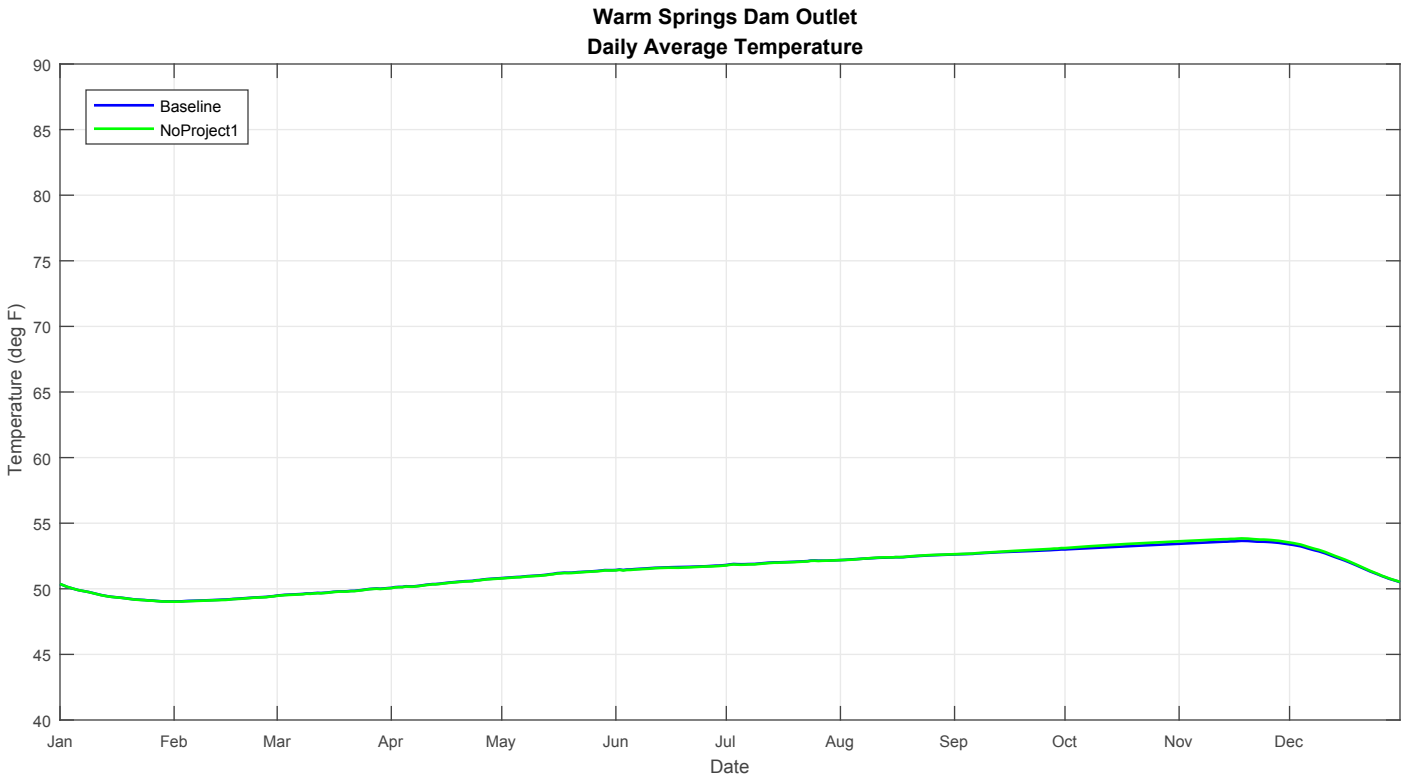
Warm Springs Dam Outlet
Daily Average Temperature
Baseline
NoProject1
Temperature (deg F)
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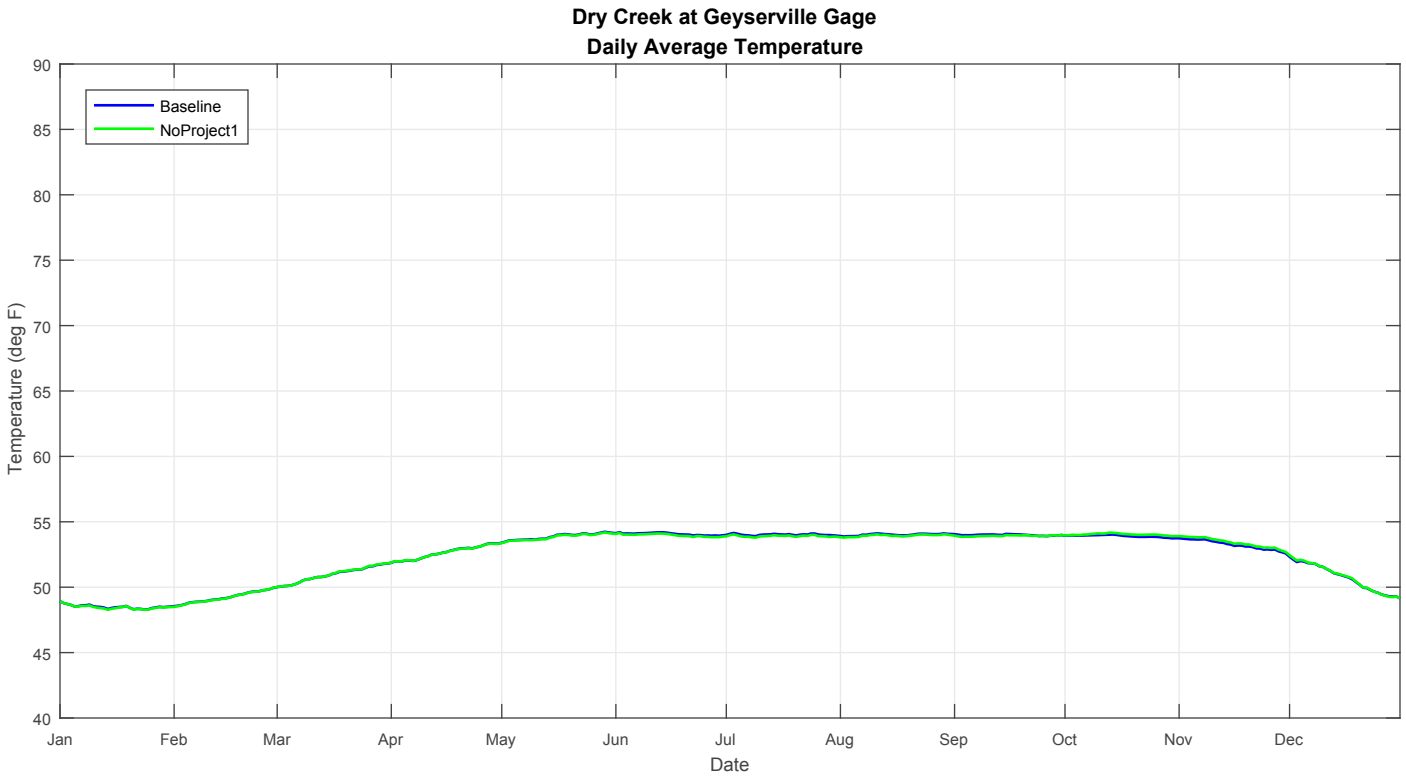
Dry Creek at Geyserville Gage
Daily Average Temperature
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NoProject1
Temperature (deg F)
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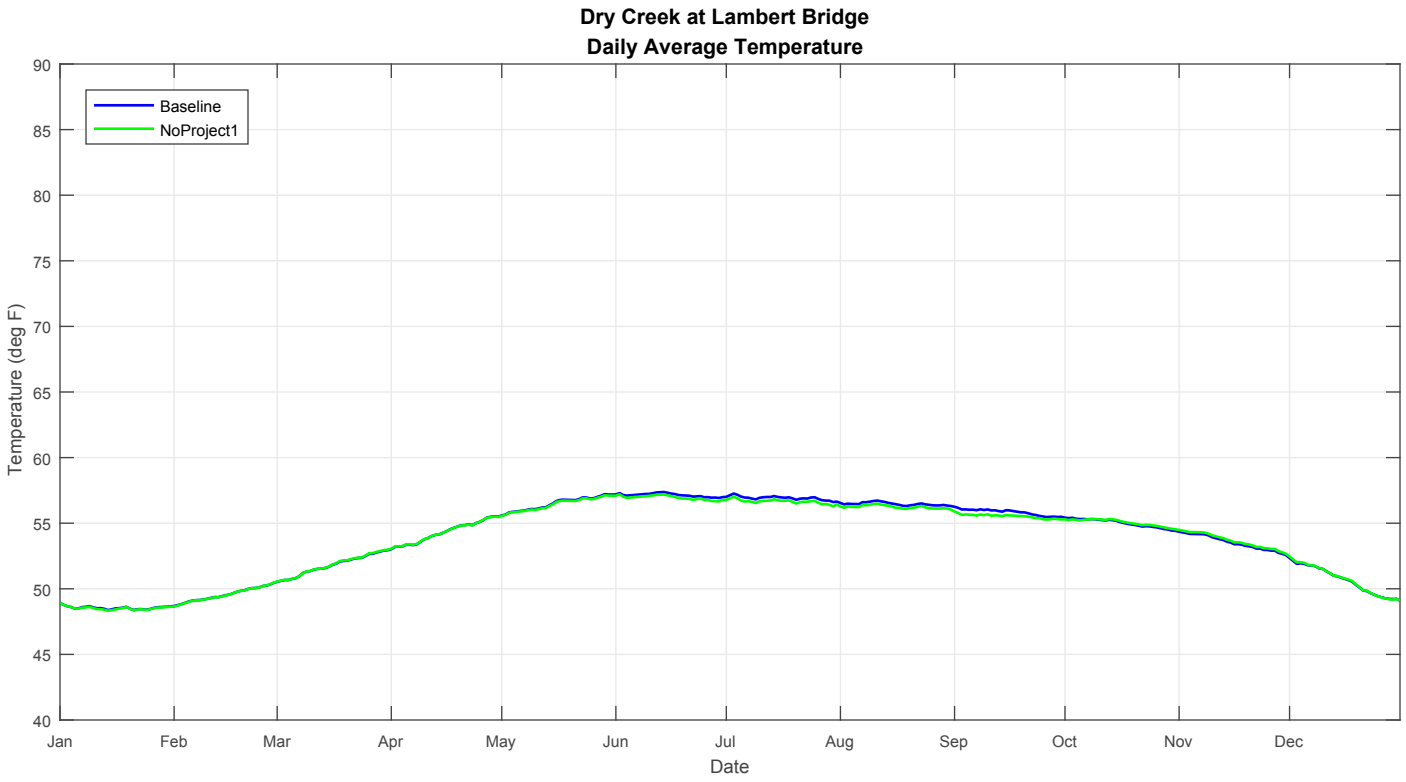
Dry Creek at Lambert Bridge
Daily Average Temperature
Baseline
NoProject1
Temperature (deg F)
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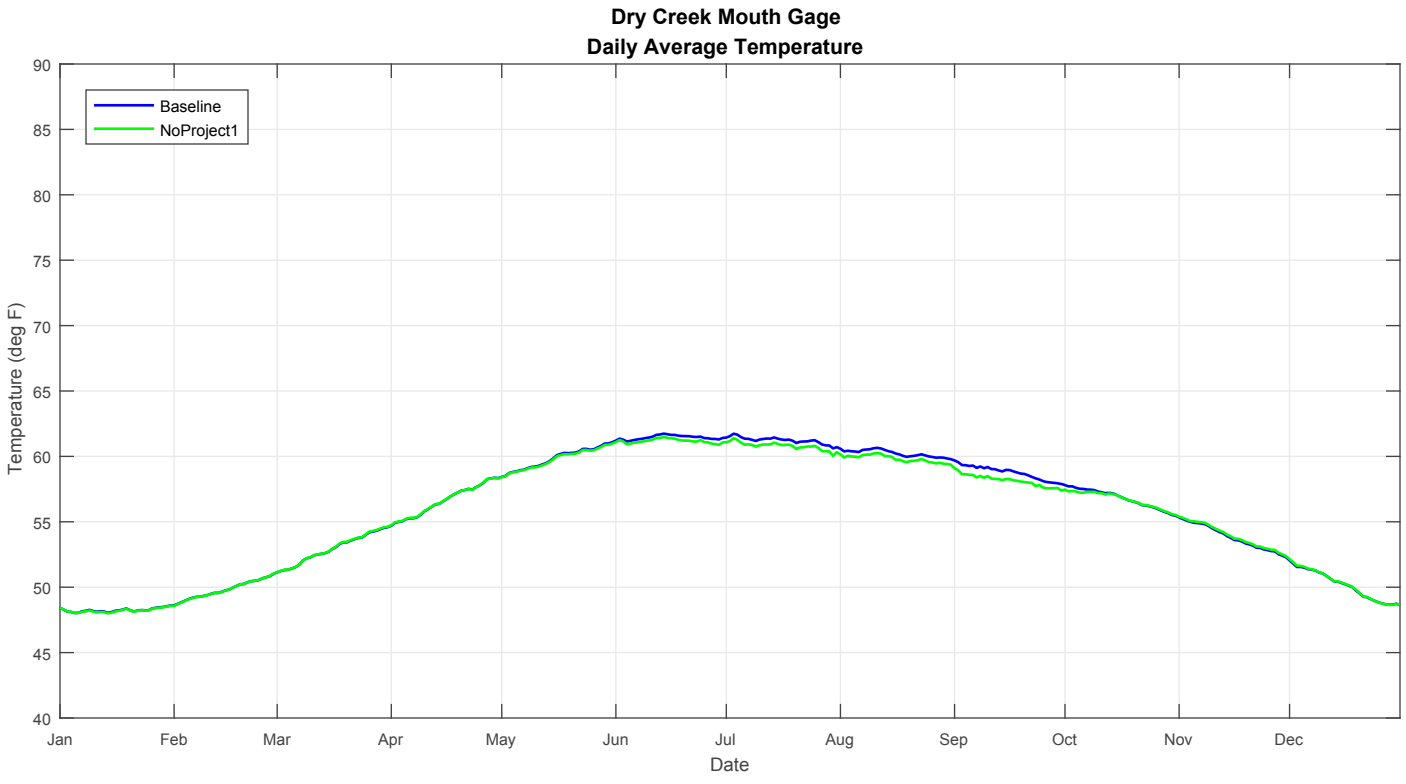
Dry Creek Mouth Gage
Daily Average Temperature
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NoProject1
Temperature (deg F)
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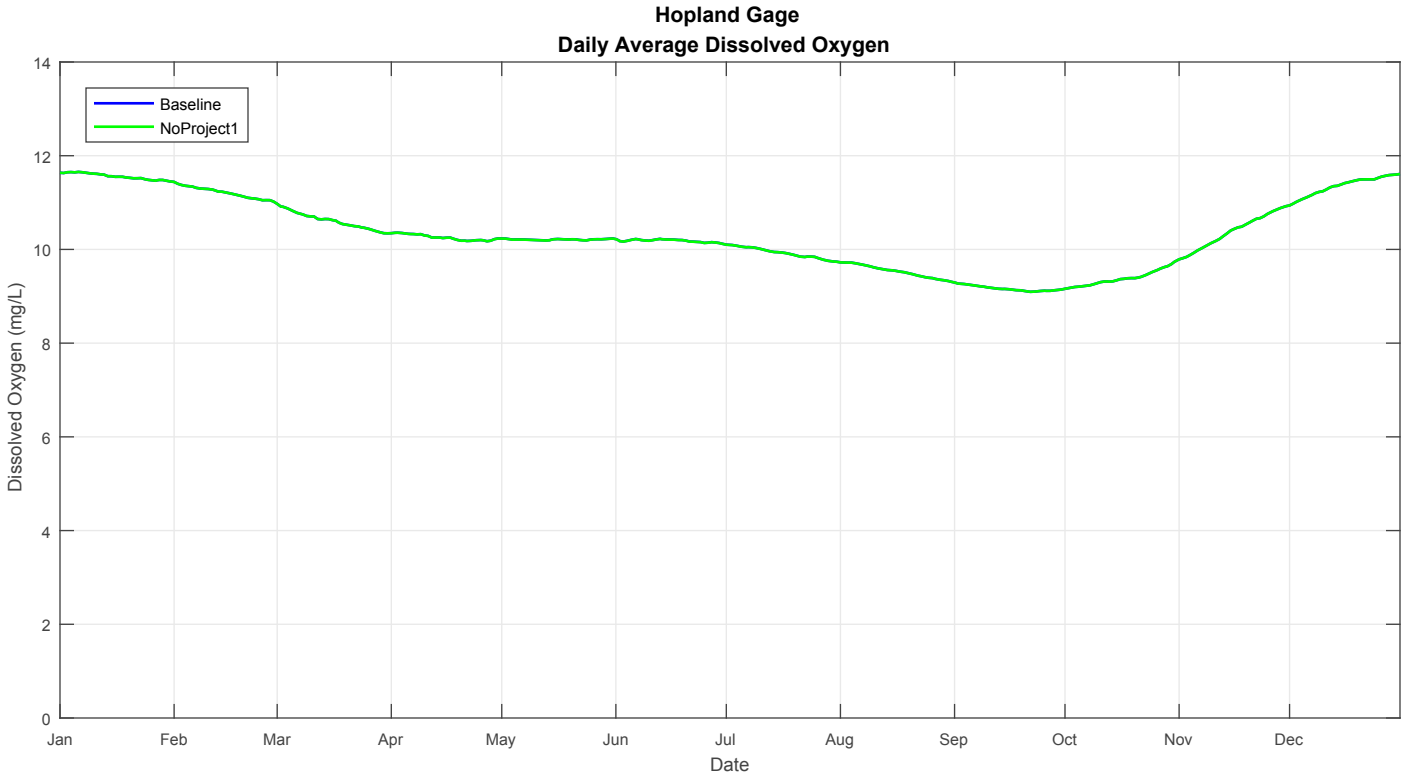
Hopland Gage
Daily Average Dissolved Oxygen
Baseline
NoProject1
Dissolved Oxygen (mg/L)
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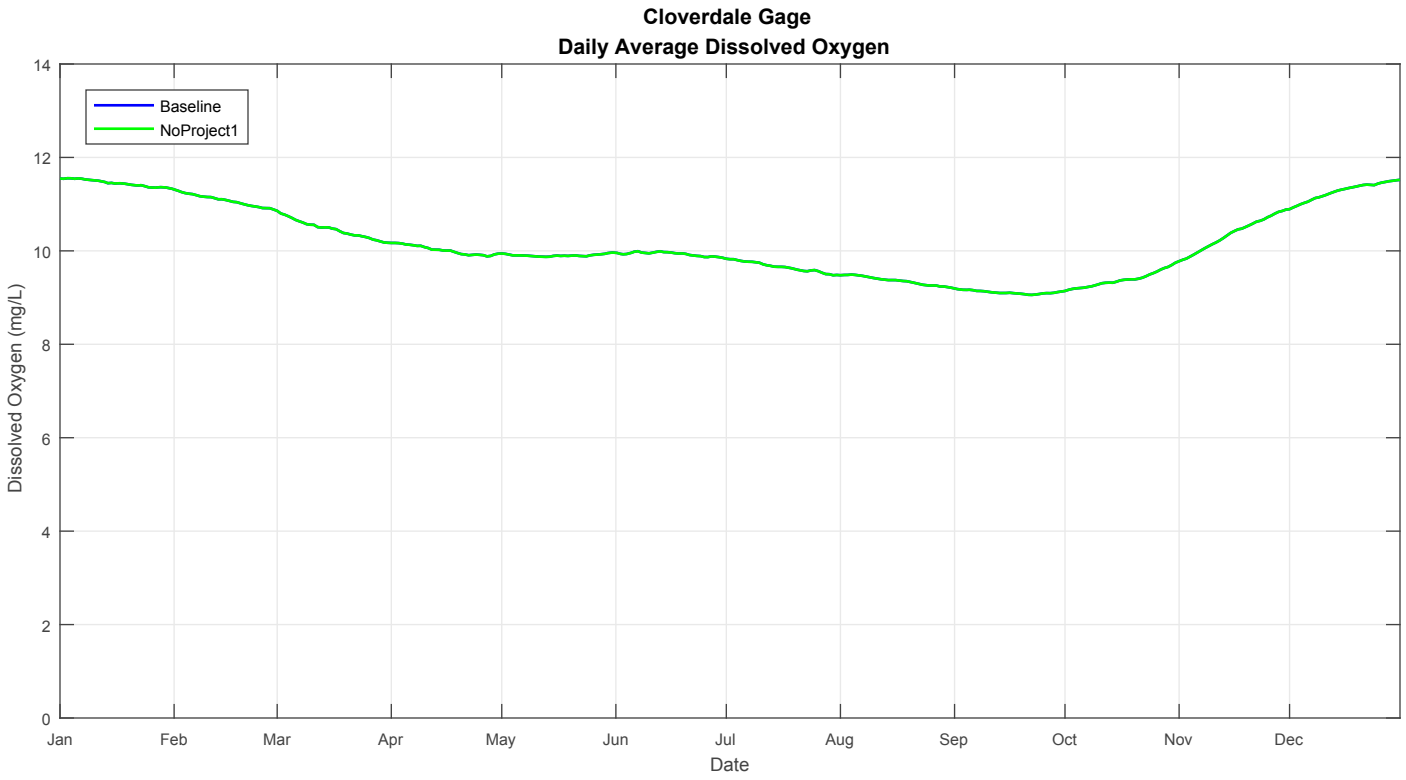
Cloverdale Gage
Daily Average Dissolved Oxygen
Baseline
NoProject1
Dissolved Oxygen (mg/L)
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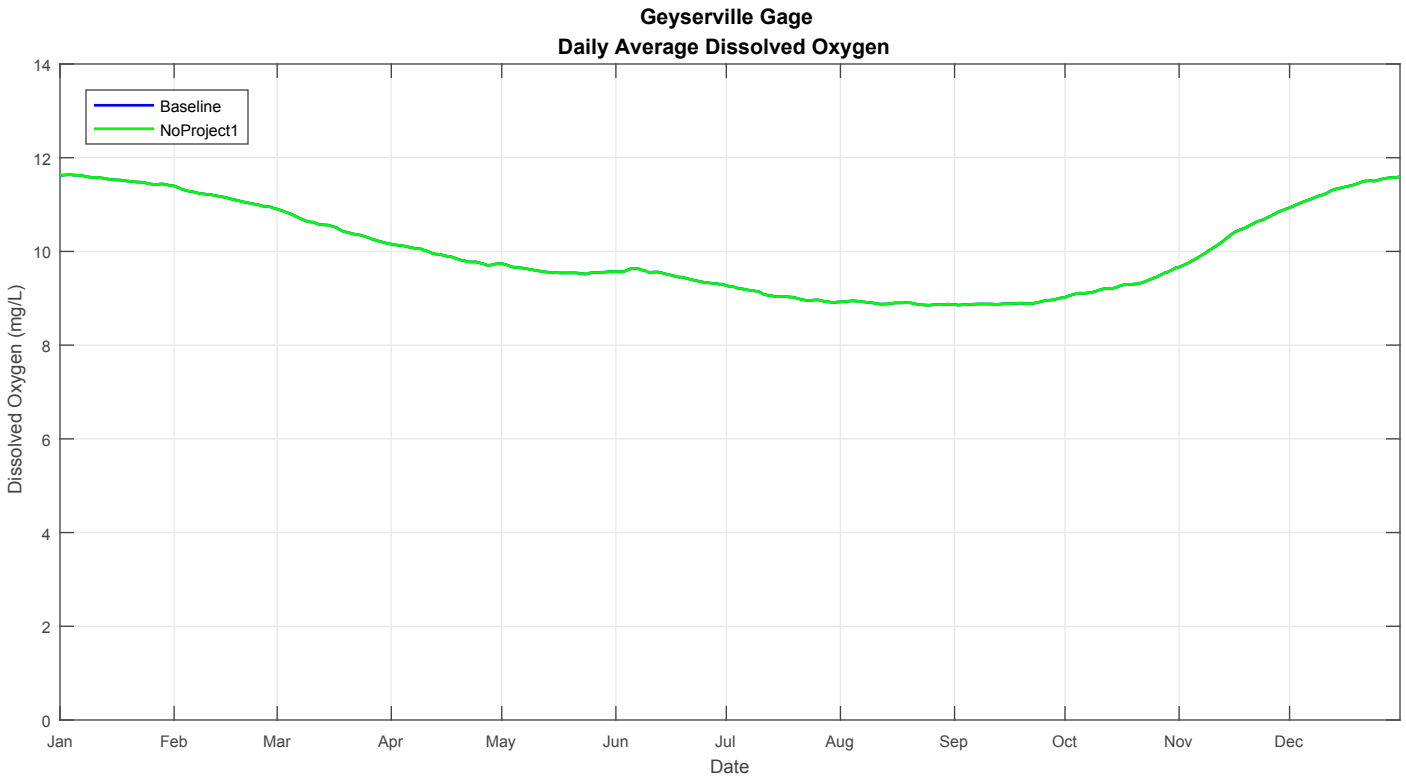
Geyserville Gage
Daily Average Dissolved Oxygen
Baseline
NoProject1
Dissolved Oxygen (mg/L)
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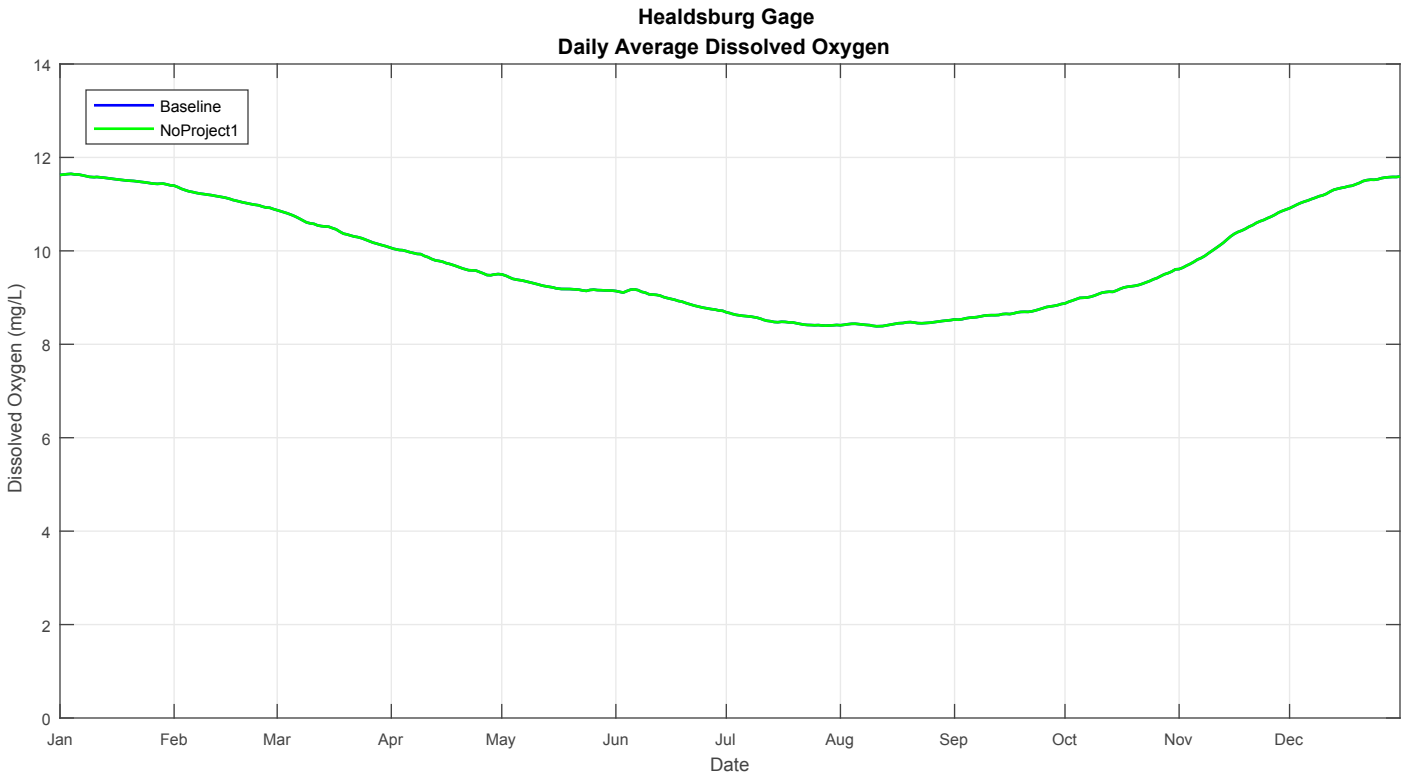
Healdsburg Gage
Daily Average Dissolved Oxygen
Baseline
NoProject1
Dissolved Oxygen (mg/L)
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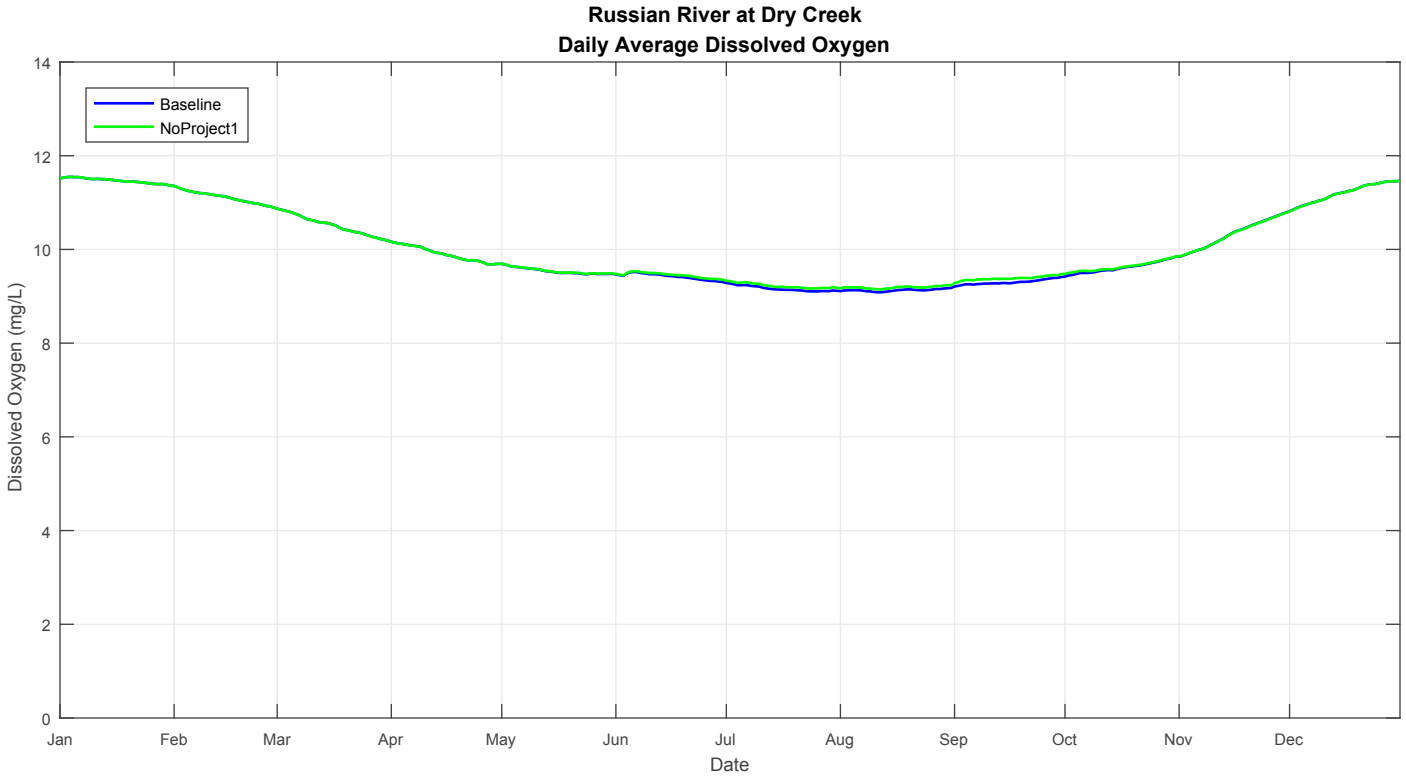
Russian River at Dry Creek
Daily Average Dissolved Oxygen
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NoProject1
Dissolved Oxygen (mg/L)
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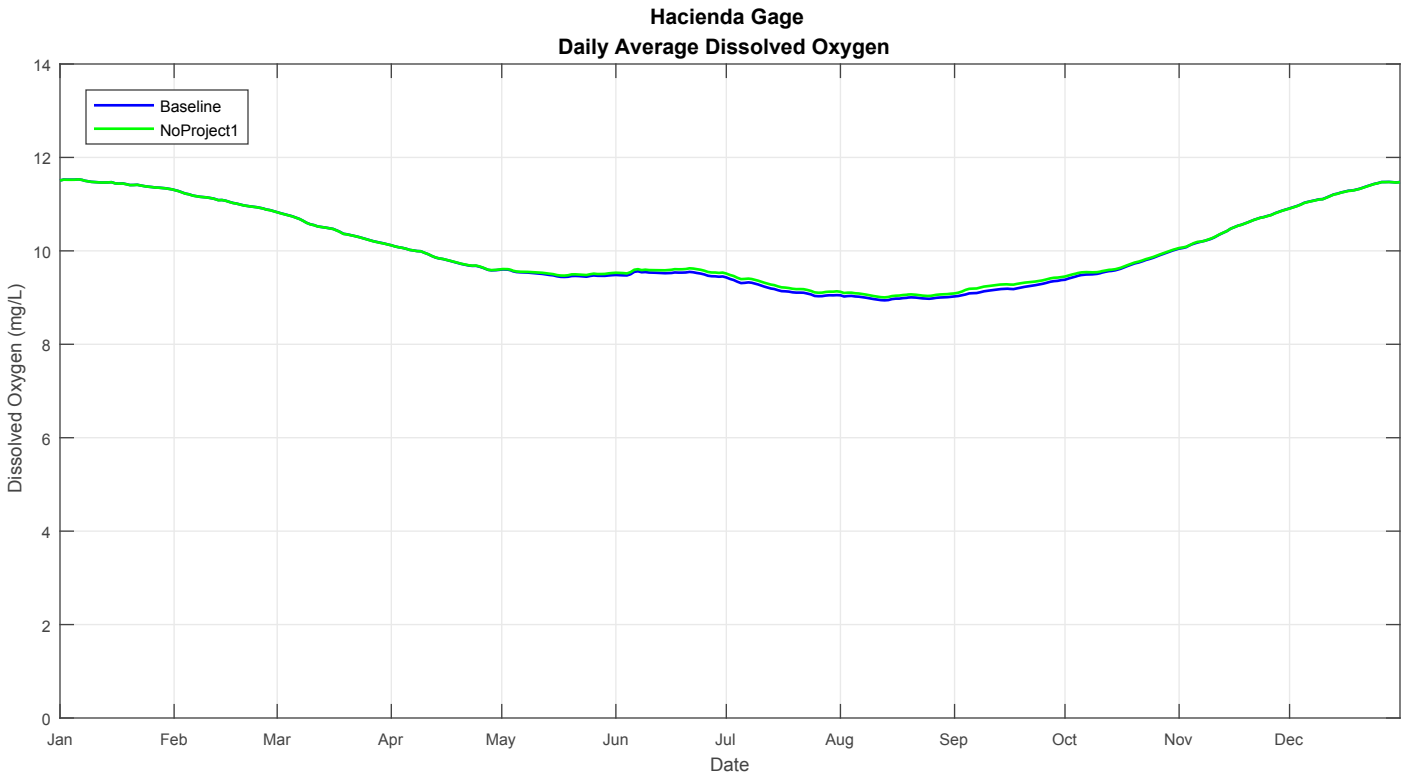
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Daily Average Dissolved Oxygen
Baseline
NoProject1
Dissolved Oxygen (mg/L)
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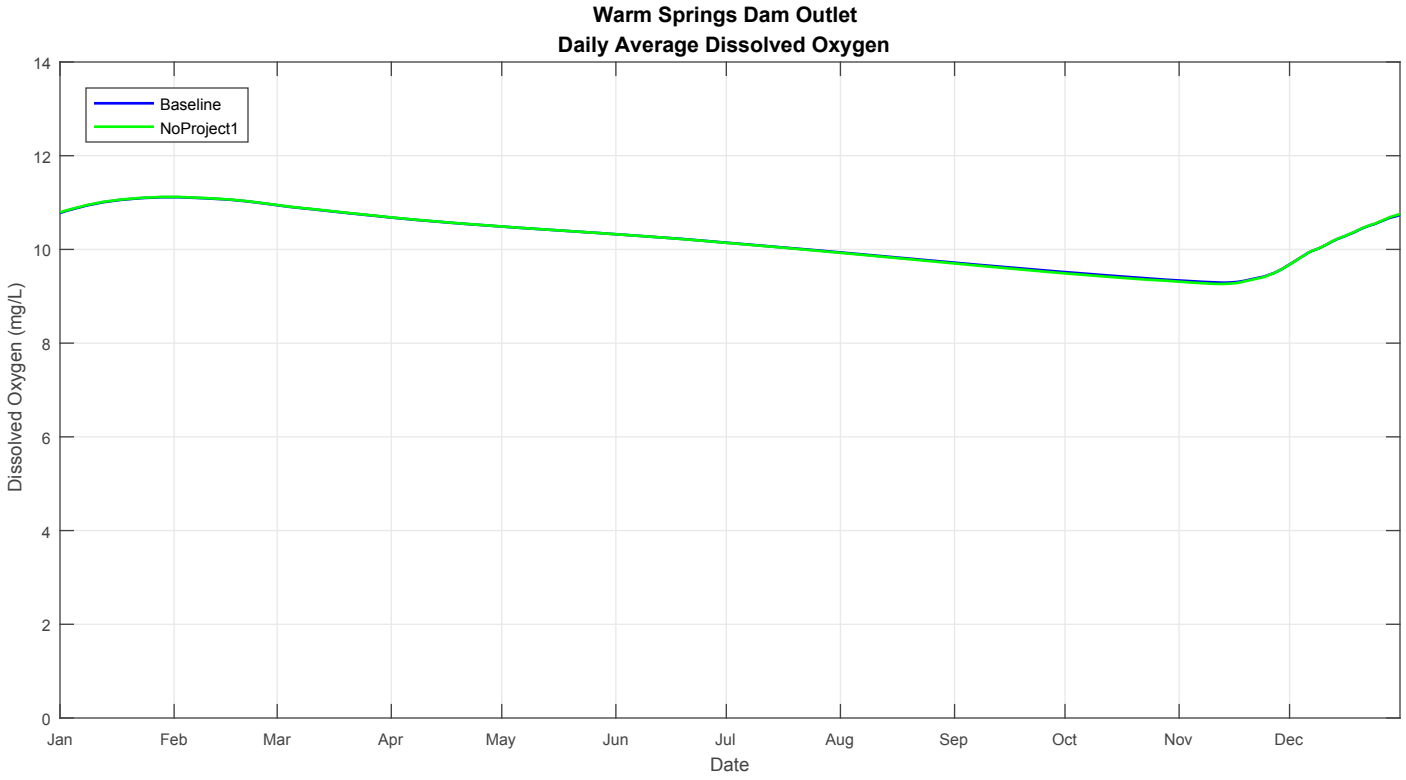
Warm Springs Dam Outlet
Daily Average Dissolved Oxygen
Baseline
NoProject1
Dissolved Oxygen (mg/L)
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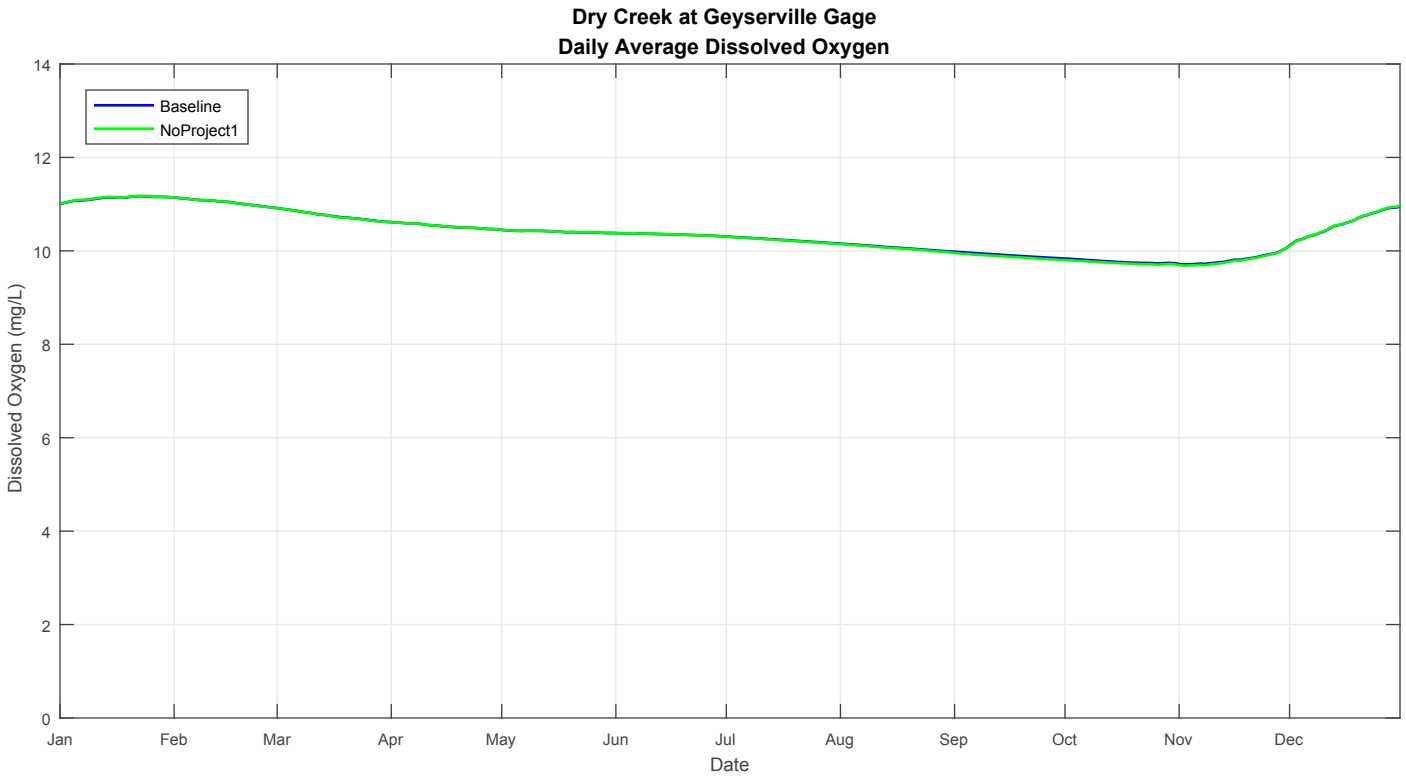
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Daily Average Dissolved Oxygen
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Dissolved Oxygen (mg/L)
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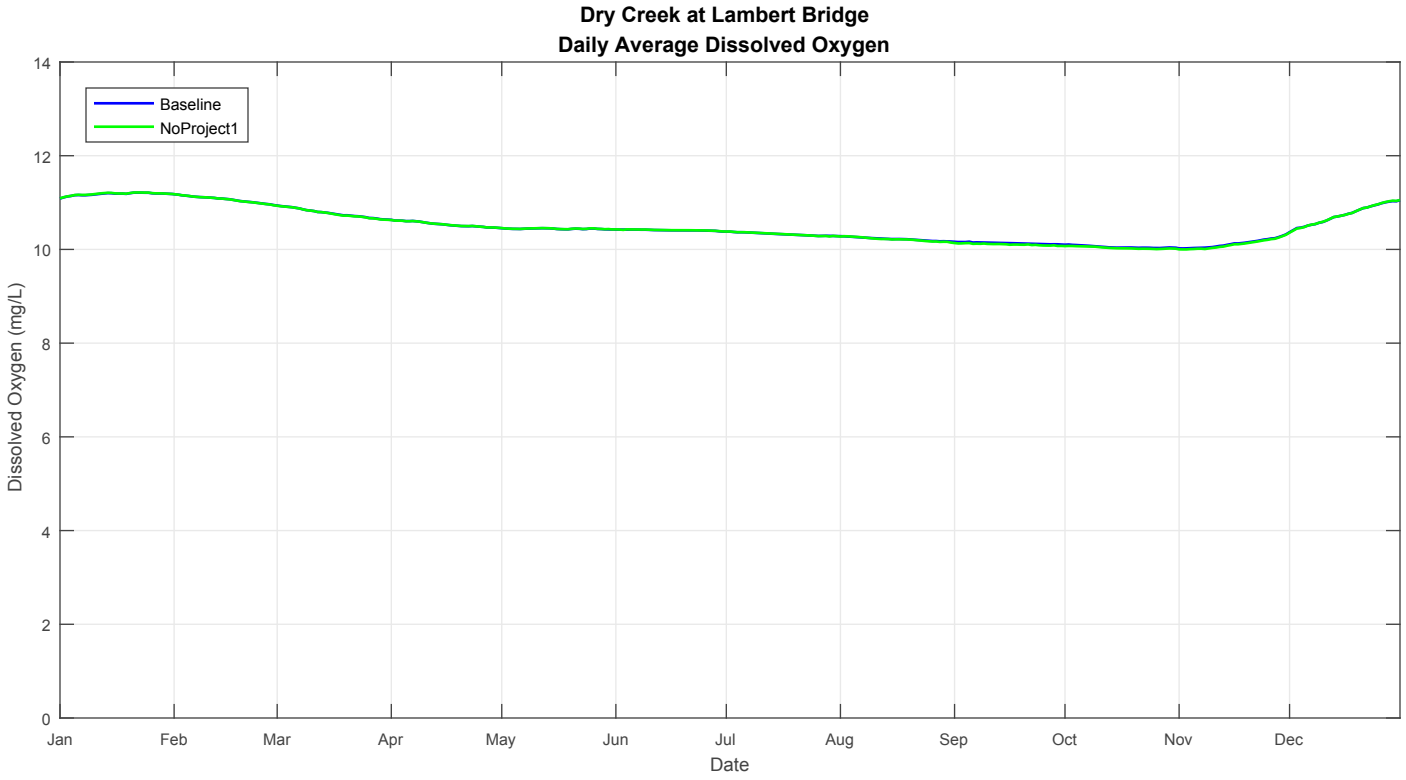
Dry Creek at Lambert Bridge
Daily Average Dissolved Oxygen
Baseline
NoProject1
Dissolved Oxygen (mg/L)
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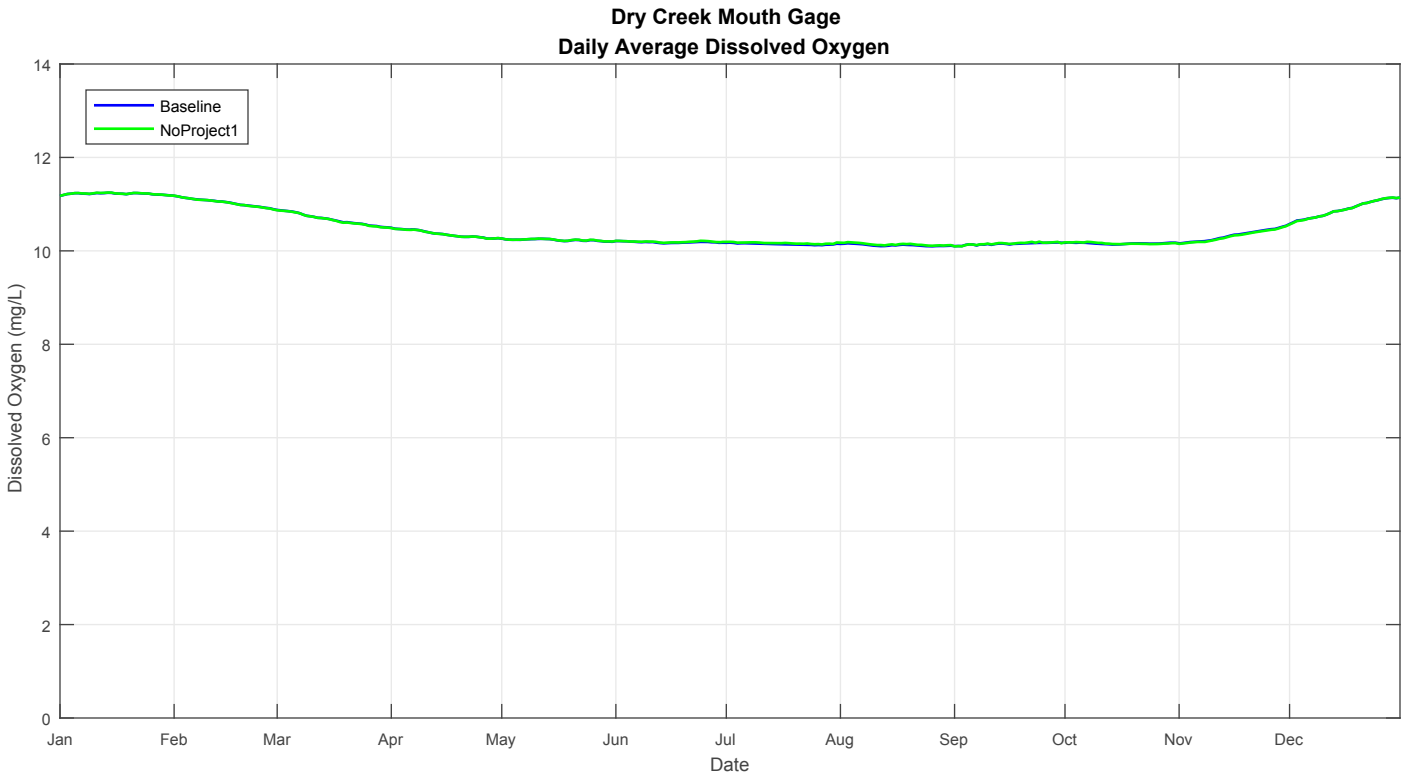
Dry Creek Mouth Gage
Daily Average Dissolved Oxygen
Baseline
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Dissolved Oxygen (mg/L)
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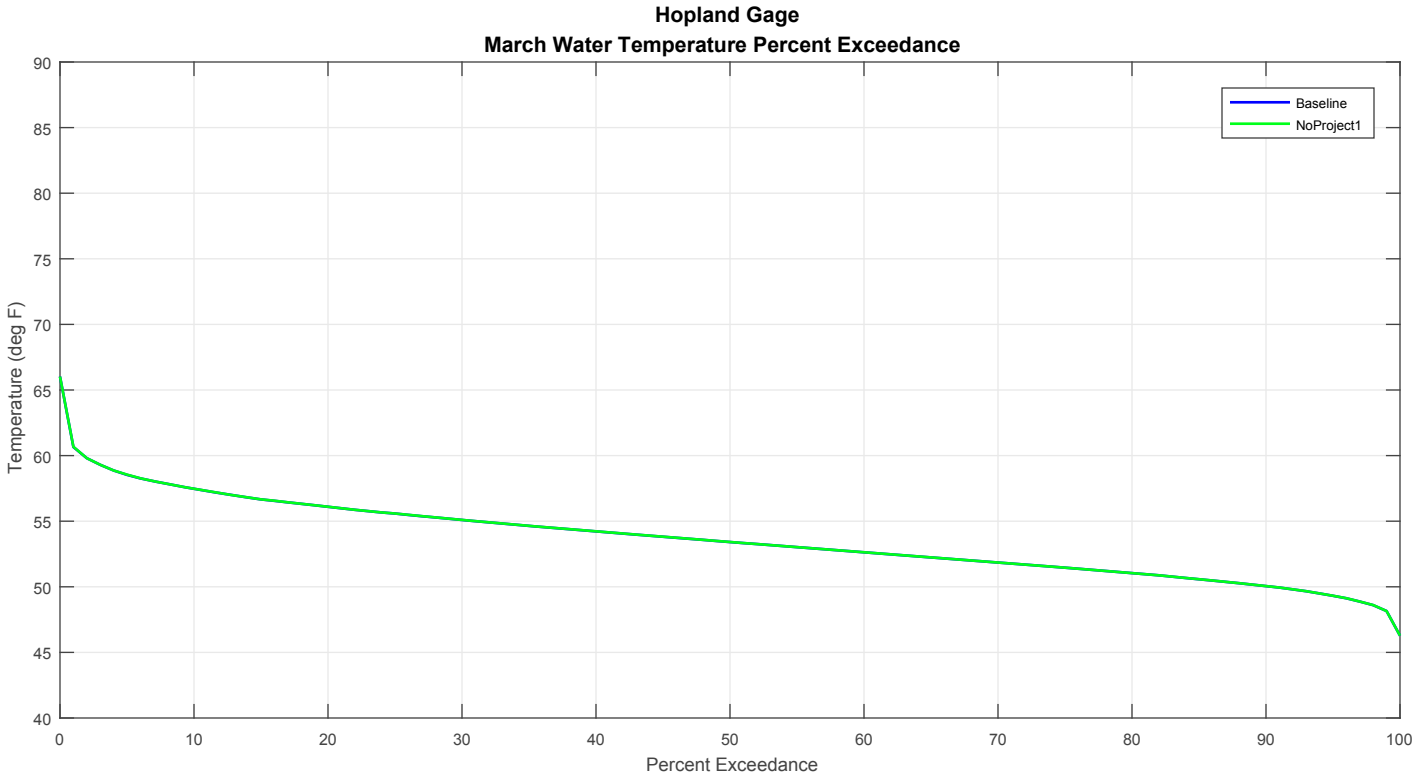
Hopland Gage
March Water Temperature Percent Exceedance
Baseline
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Temperature (deg F)
Percent Exceedance
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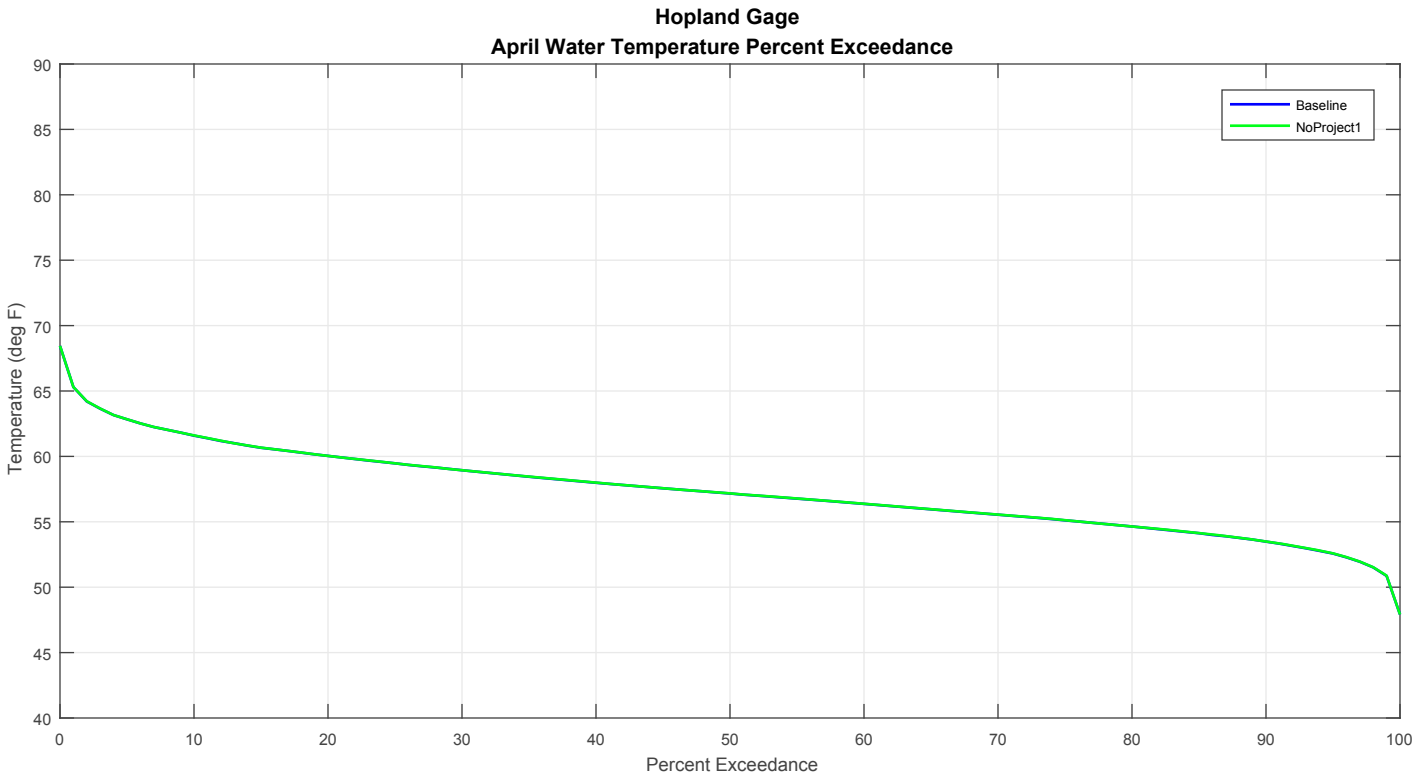
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Temperature (deg F)
Percent Exceedance
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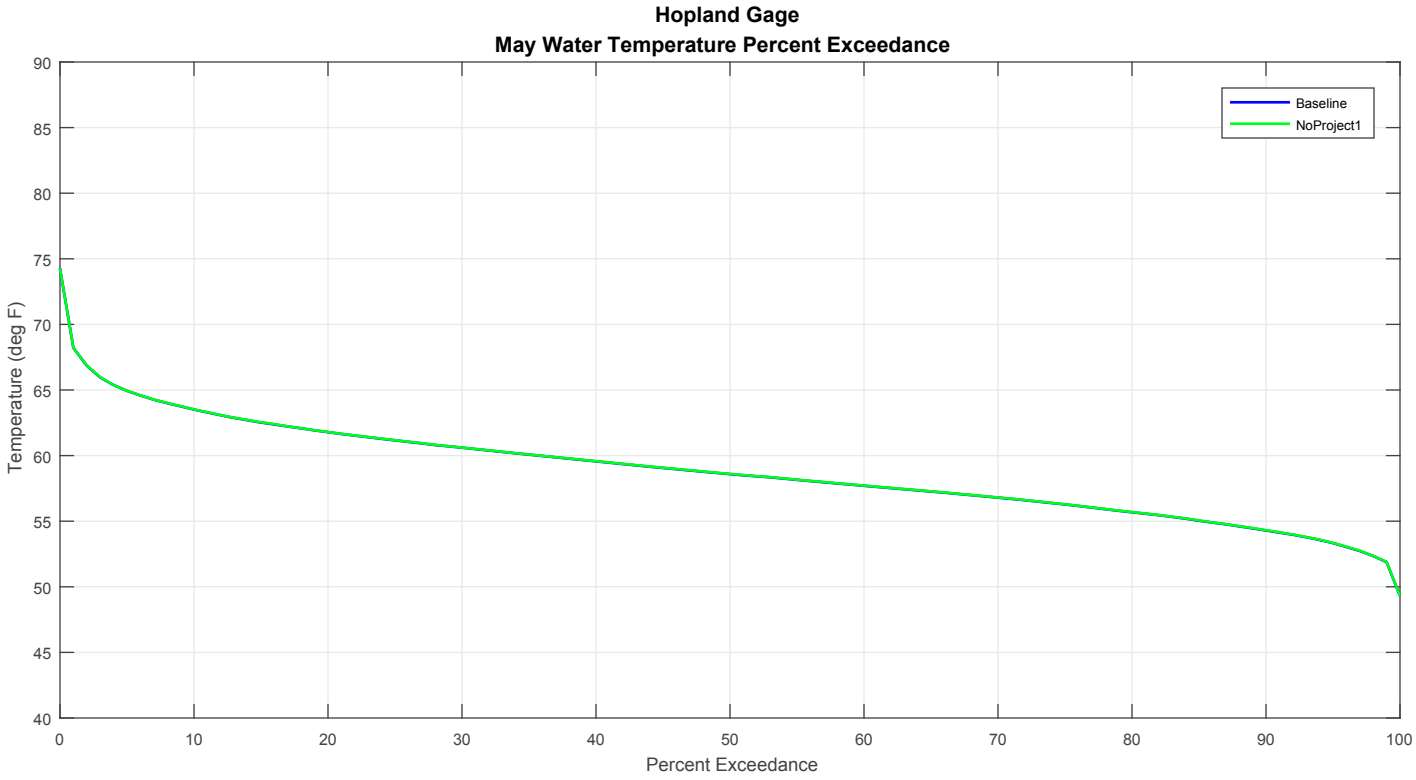
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May Water Temperature Percent Exceedance
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Temperature (deg F)
Percent Exceedance
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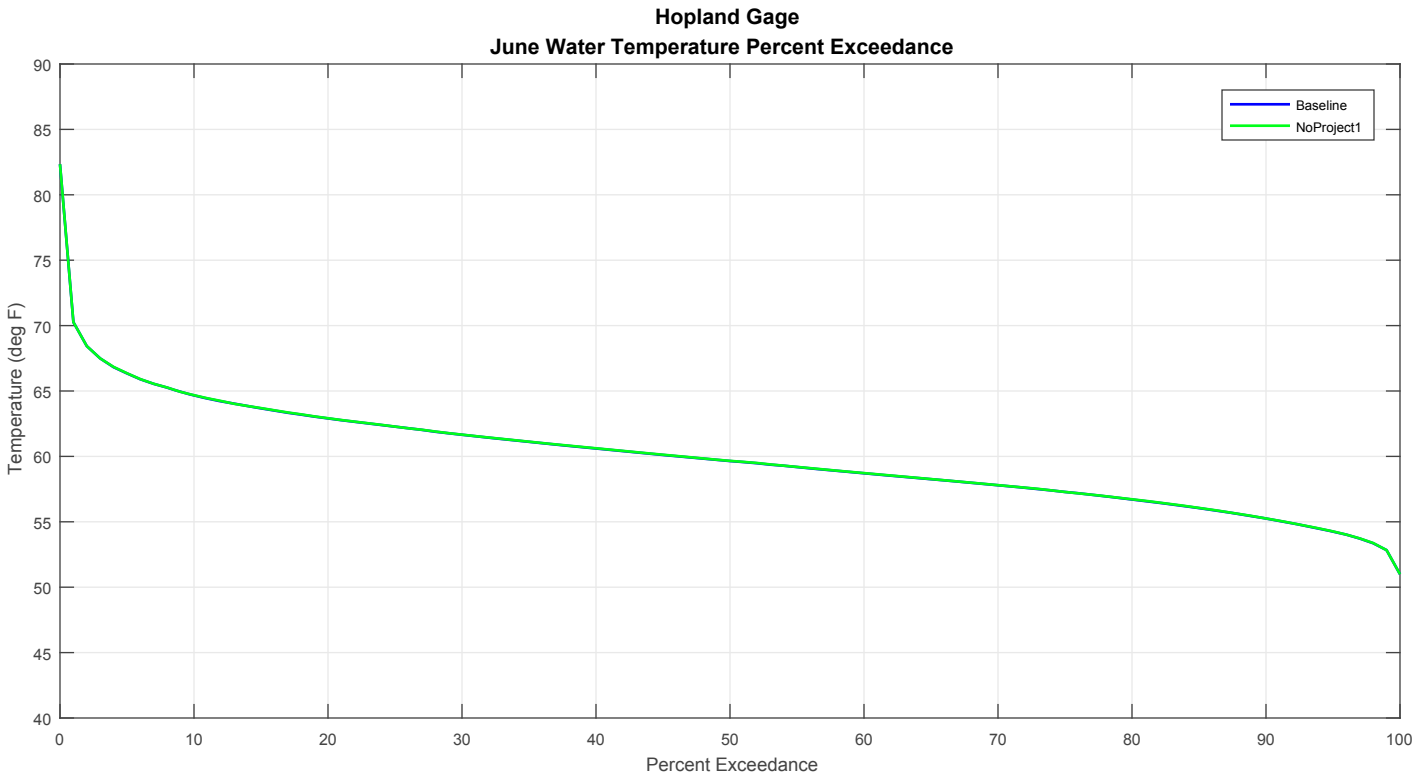
Hopland Gage
June Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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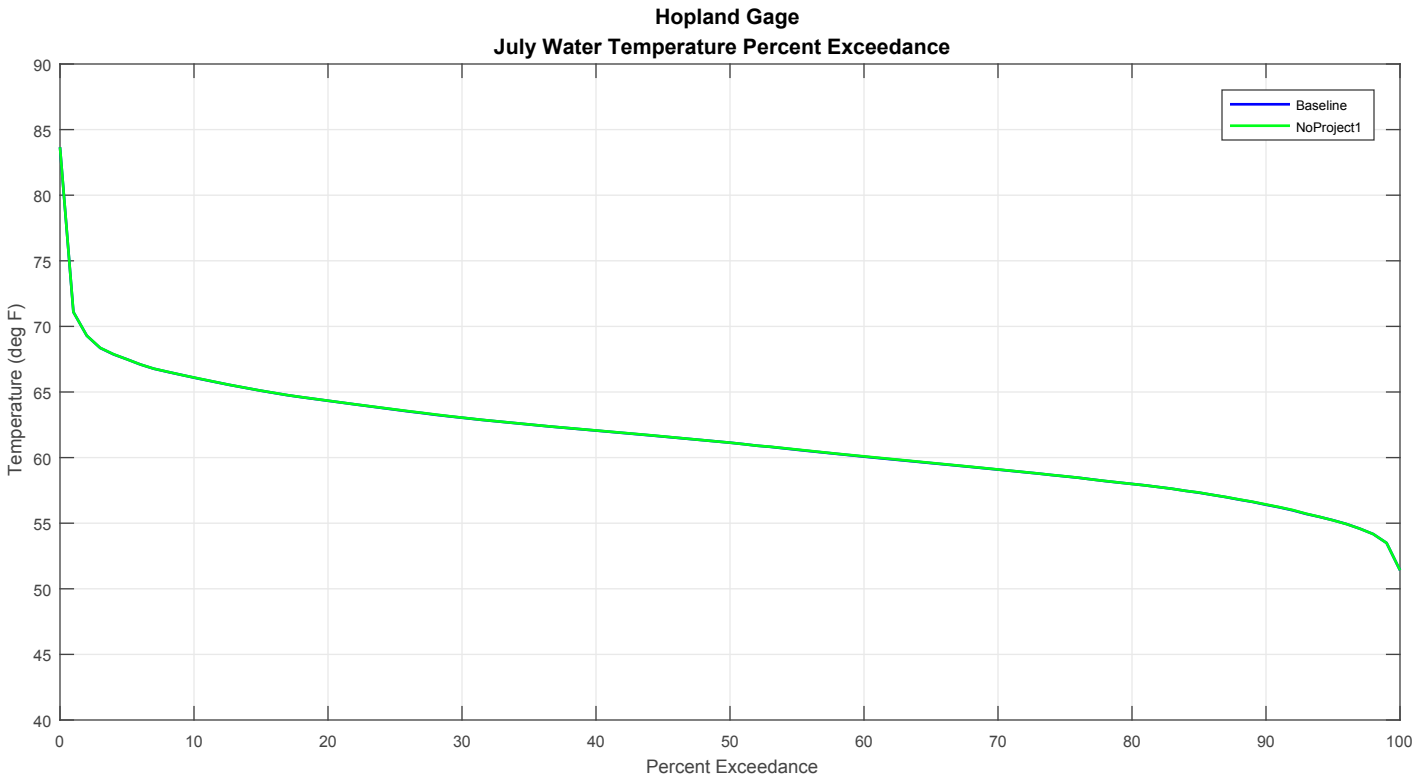
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July Water Temperature Percent Exceedance
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Temperature (deg F)
Percent Exceedance
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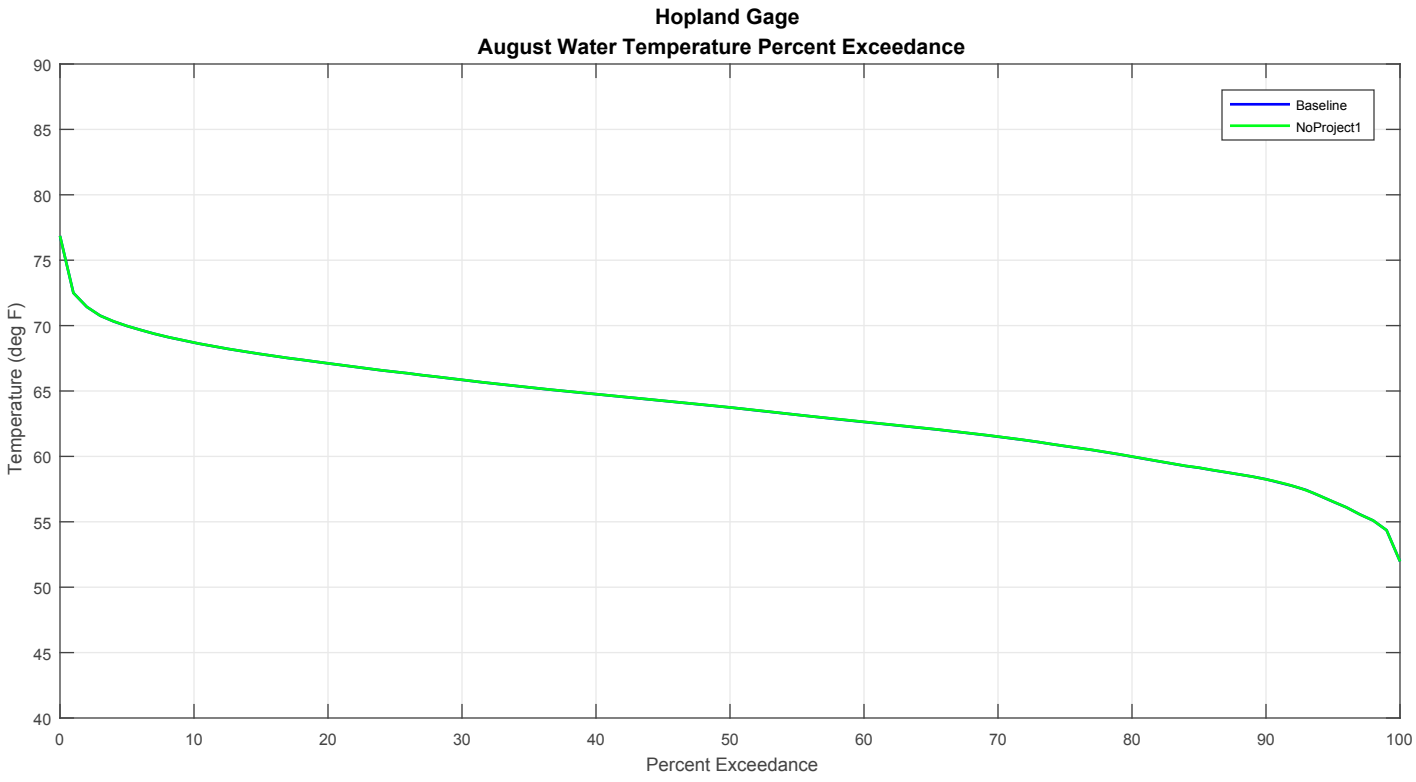
Hopland Gage
August Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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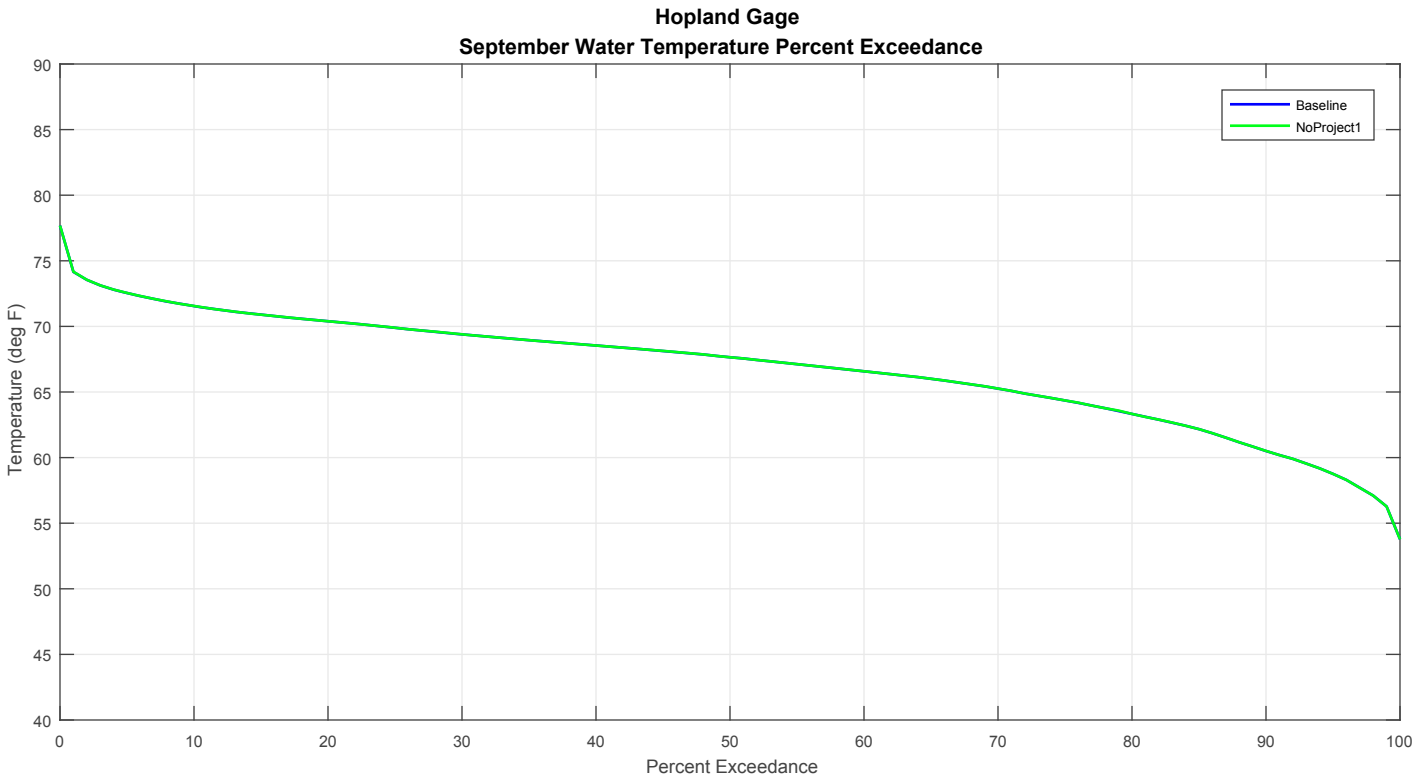
Hopland Gage
September Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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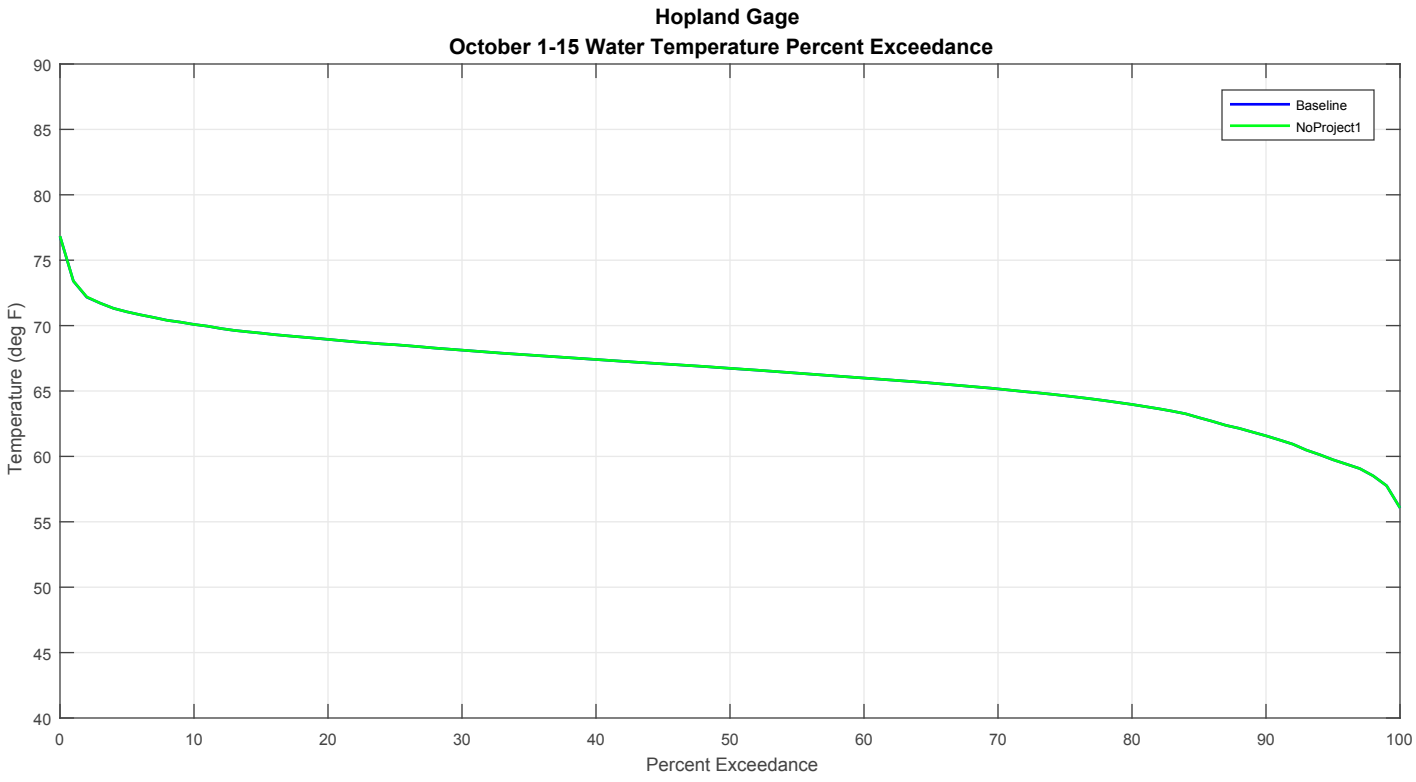
Hopland Gage
October 1-15 Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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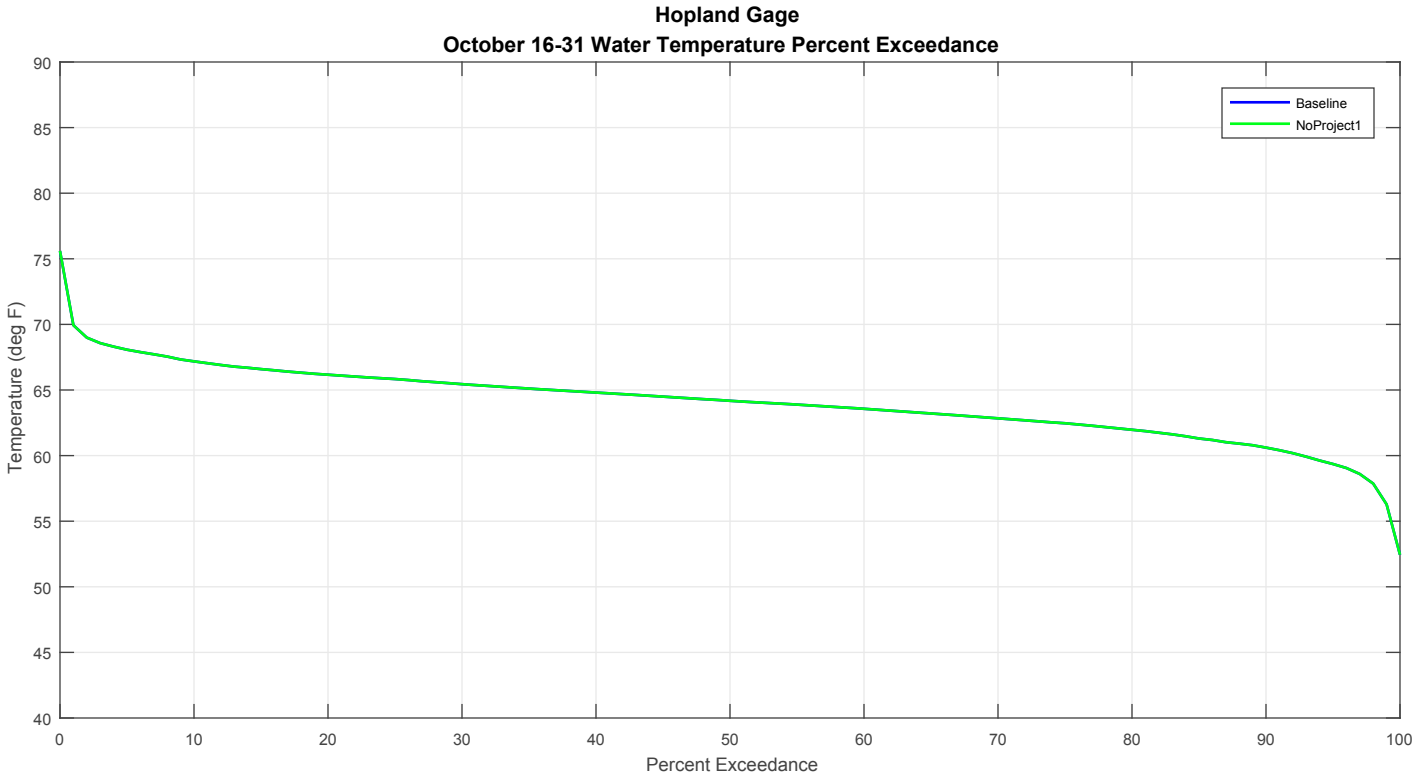
Hopland Gage
October 16-31 Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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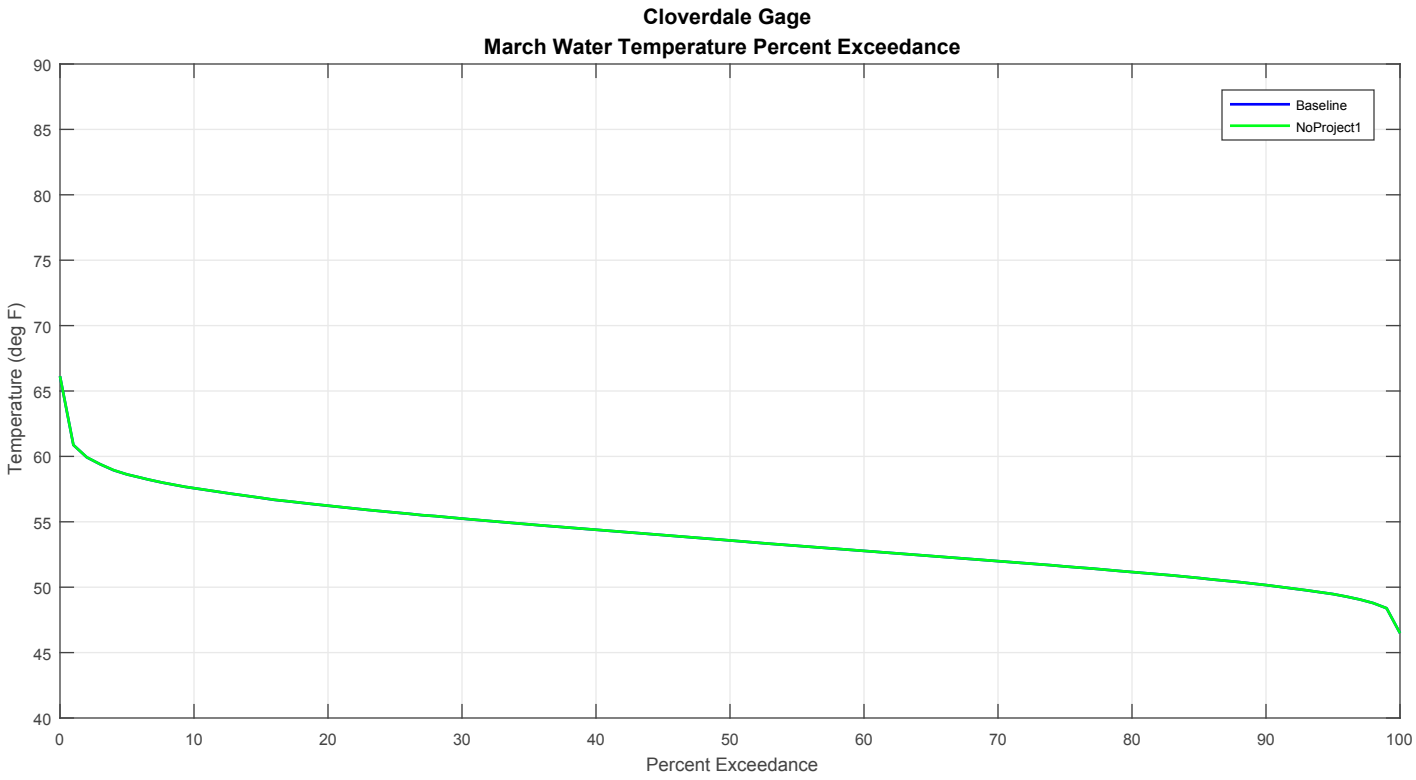
Cloverdale Gage
March Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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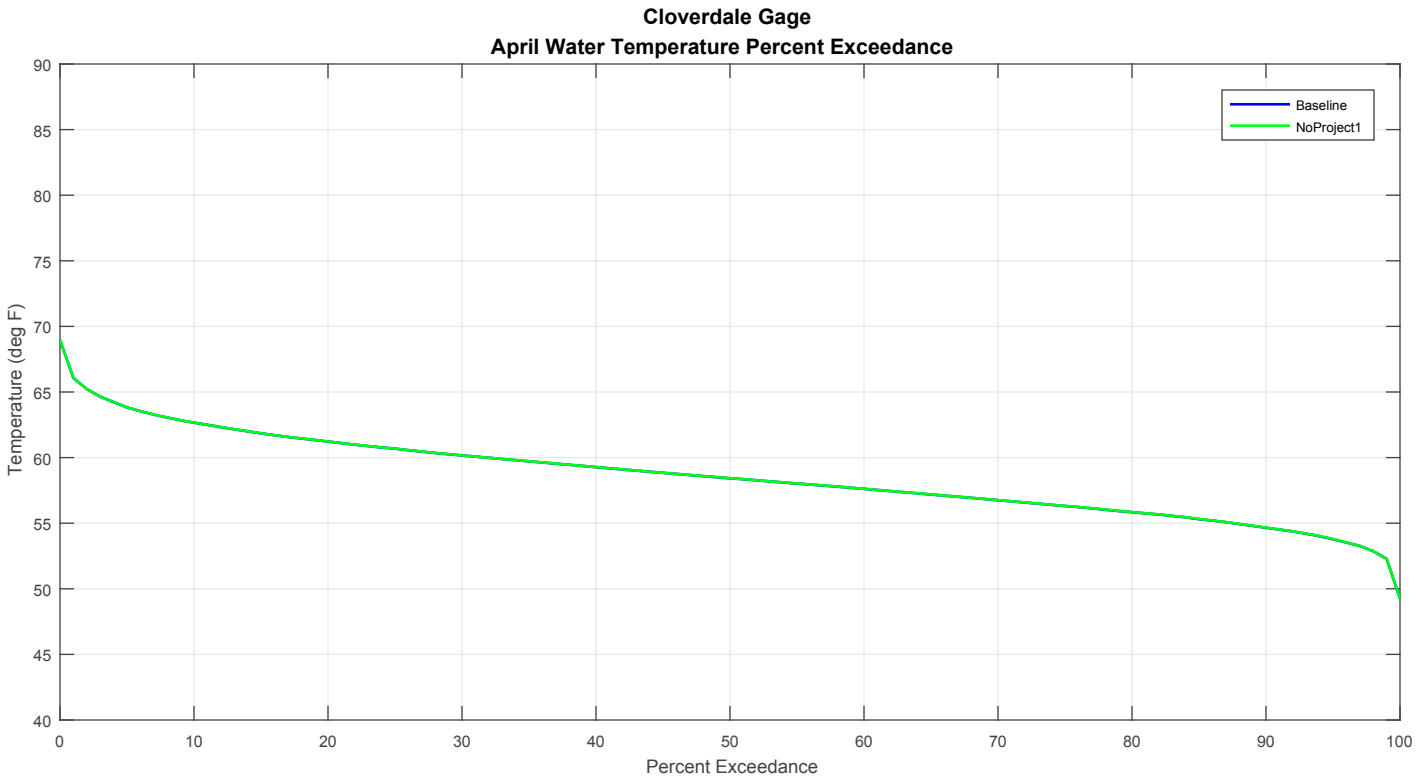
Cloverdale Gage
April Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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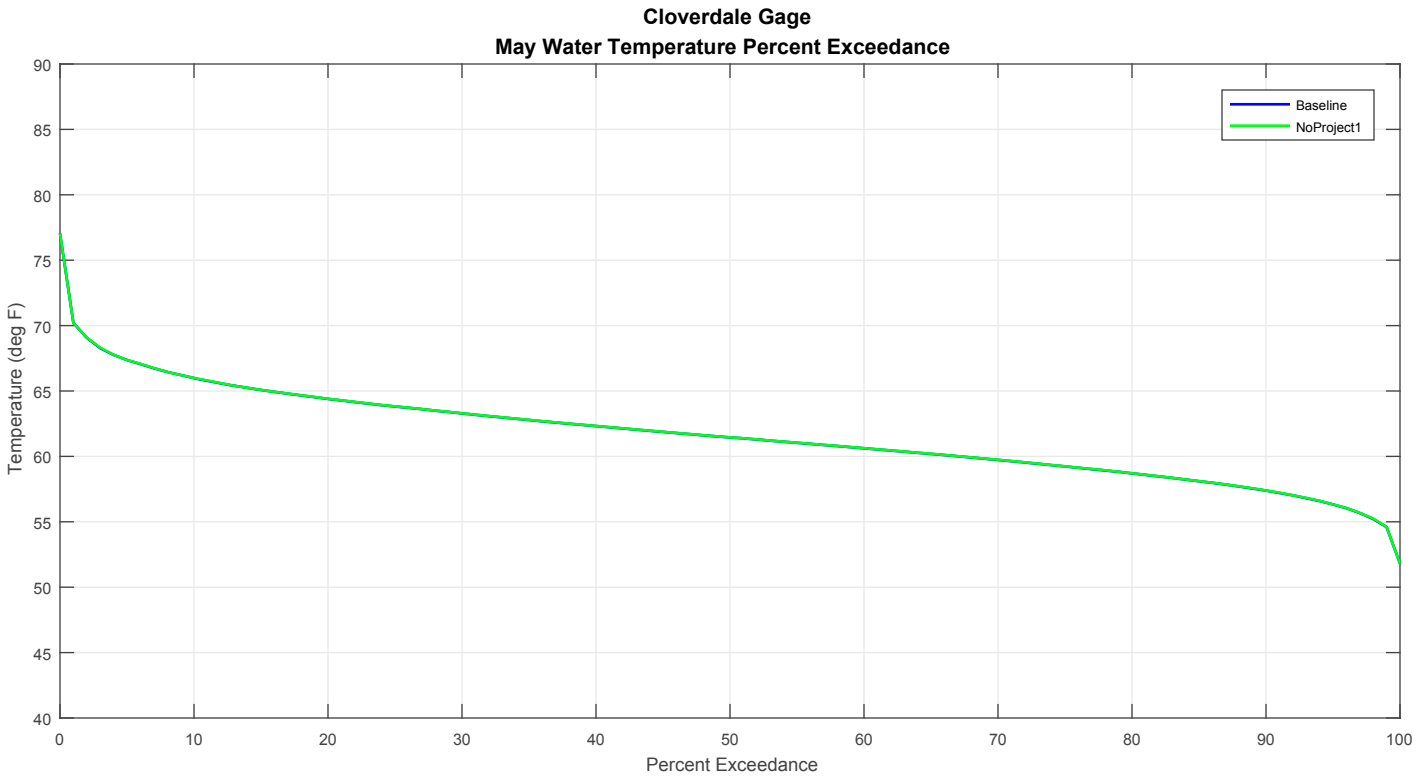
Cloverdale Gage
May Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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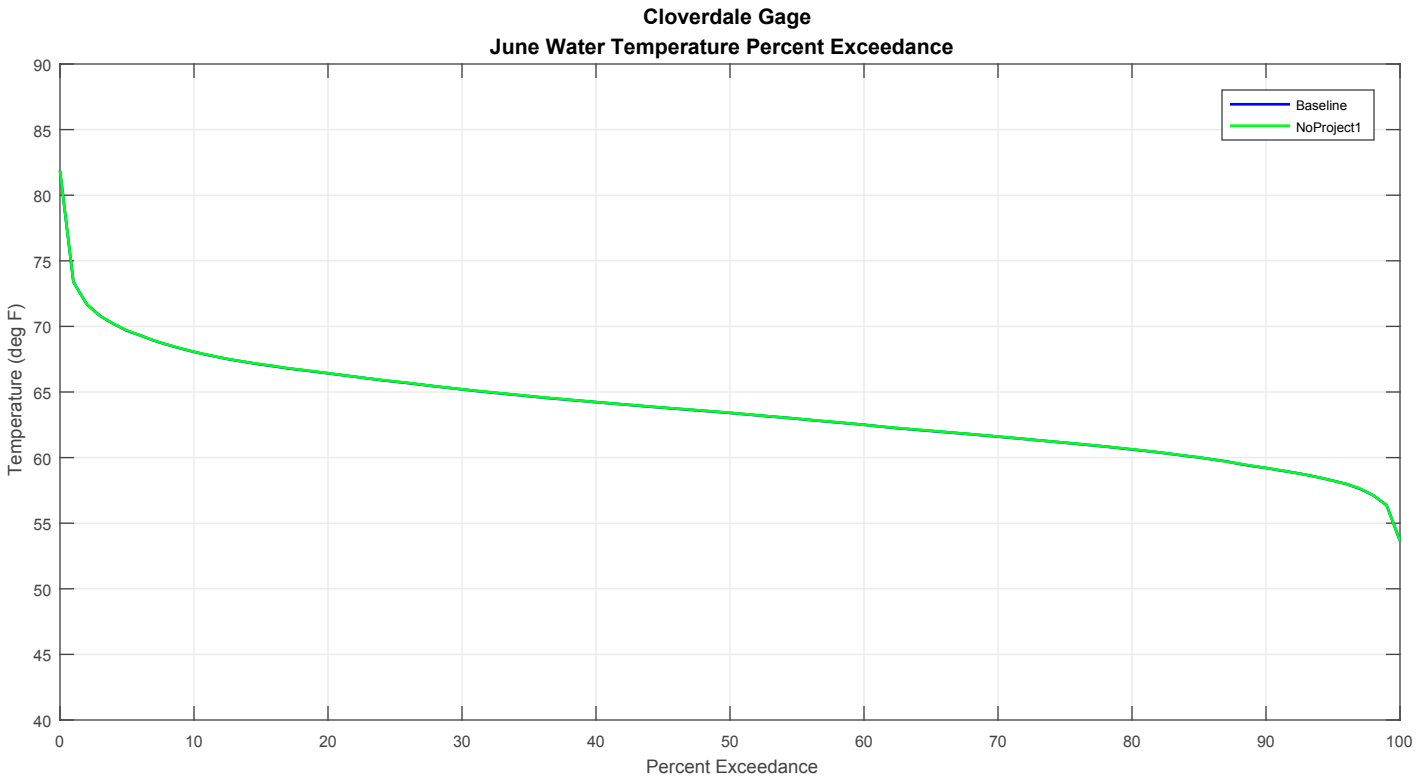
Cloverdale Gage
June Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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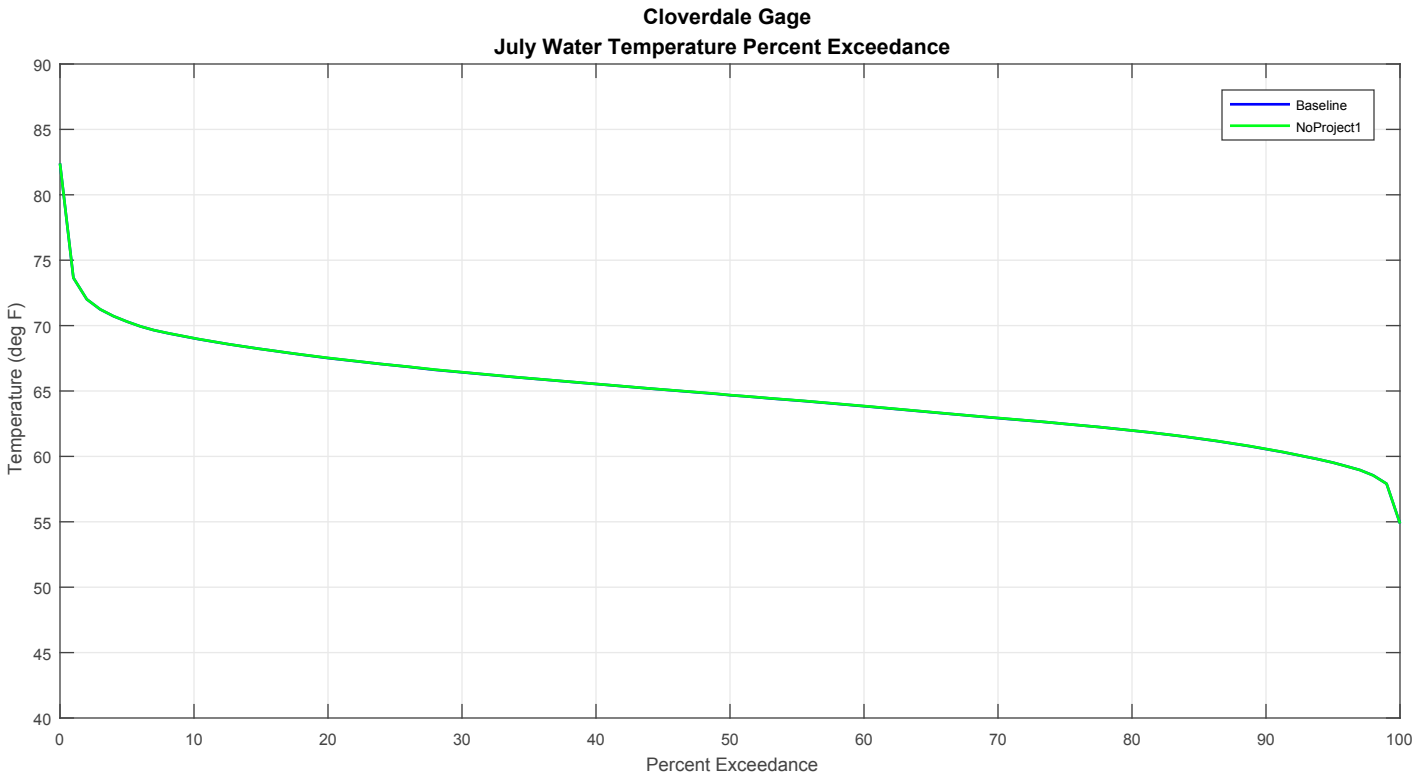
Cloverdale Gage
July Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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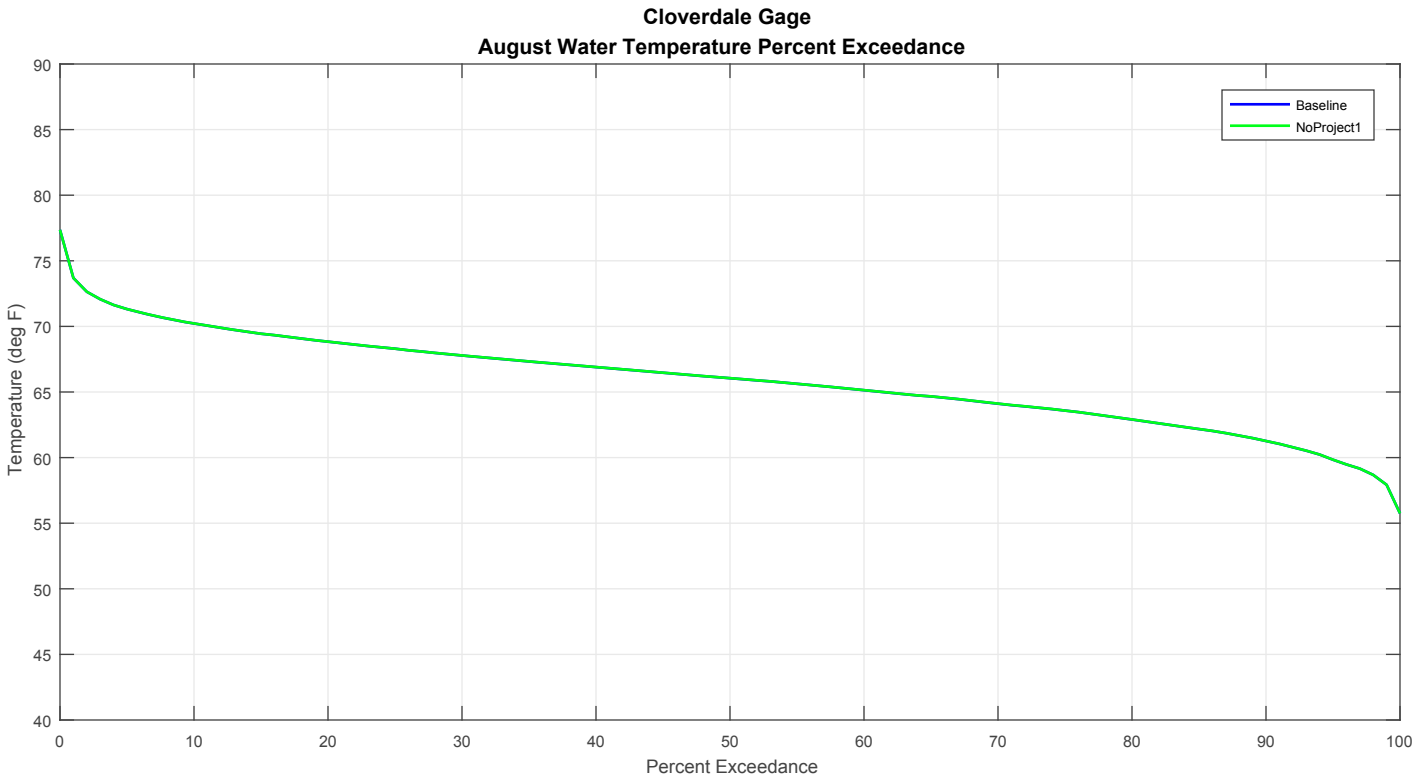
Cloverdale Gage
August Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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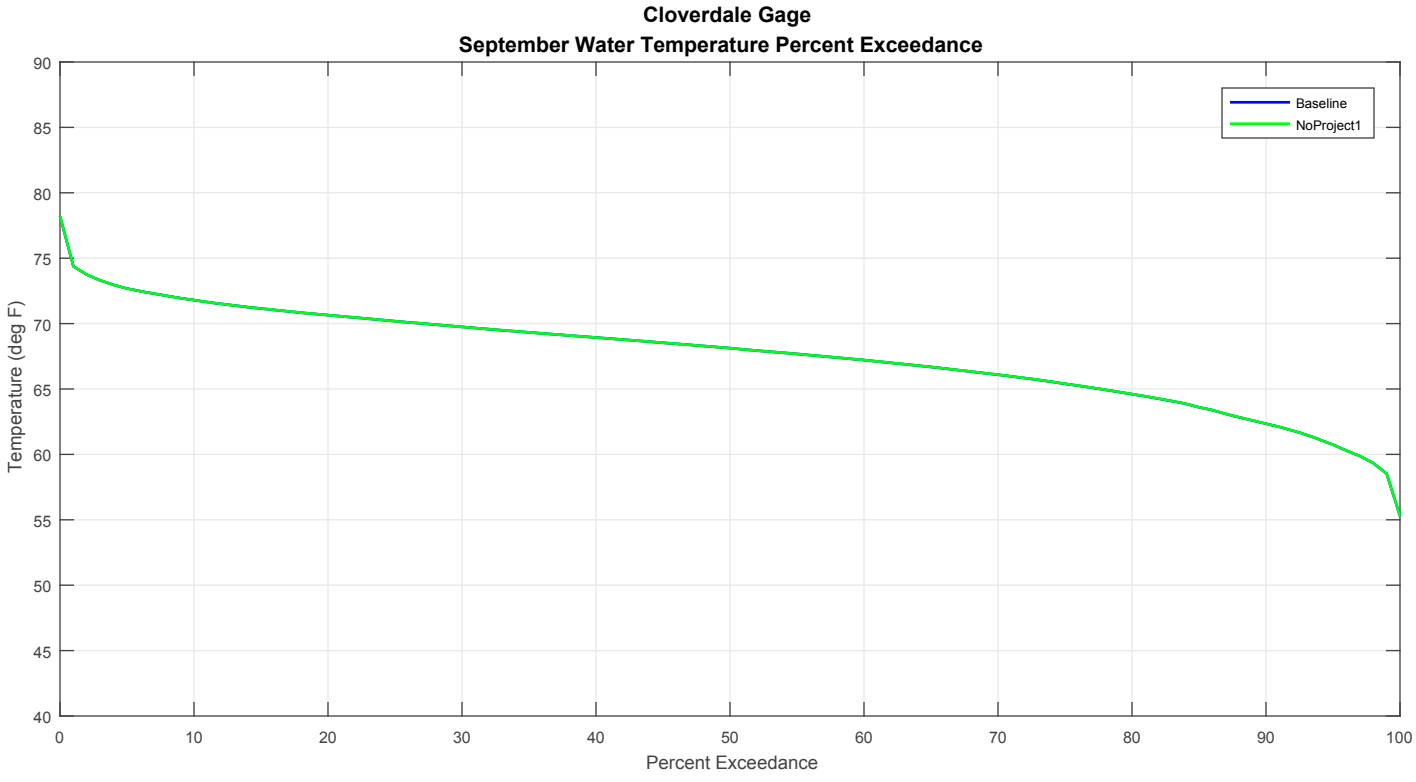
Cloverdale Gage
September Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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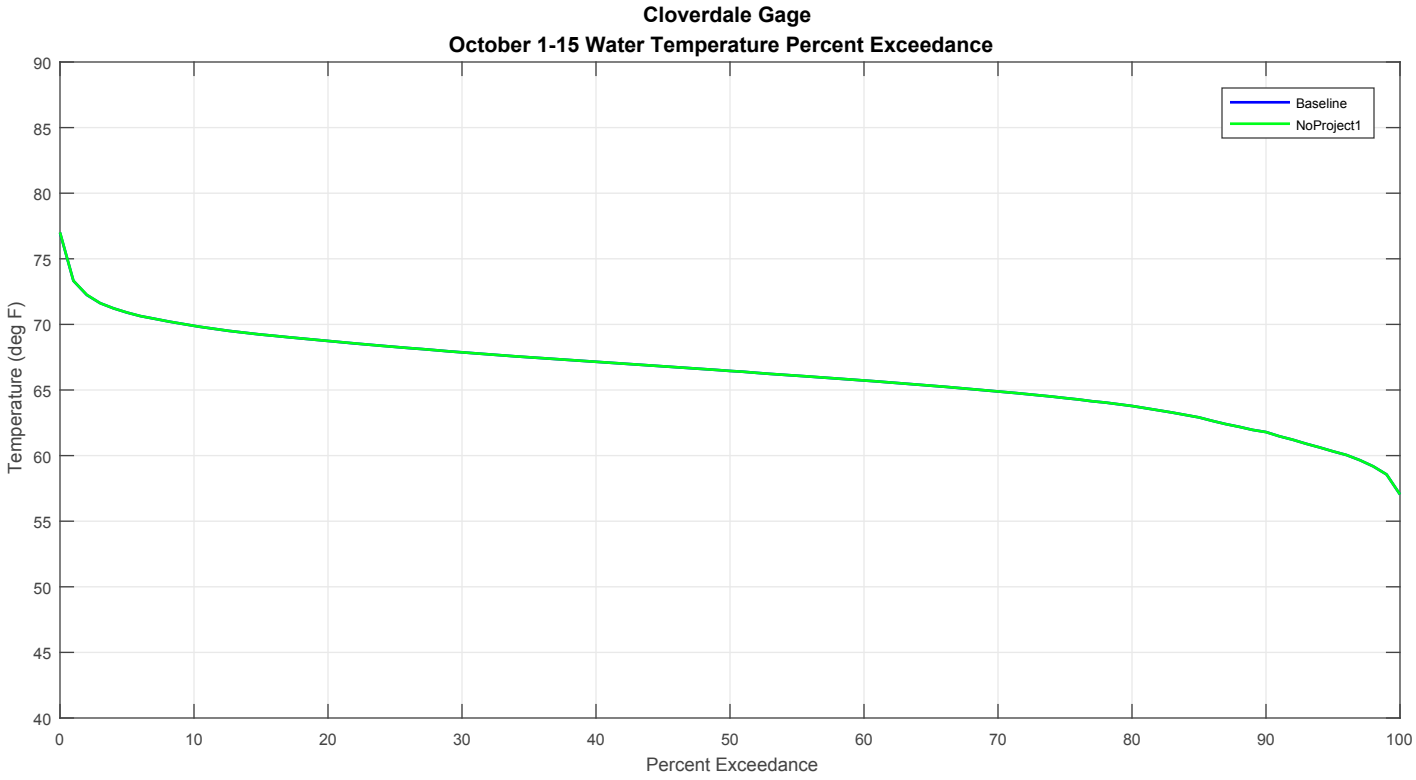
Cloverdale Gage
October 1-15 Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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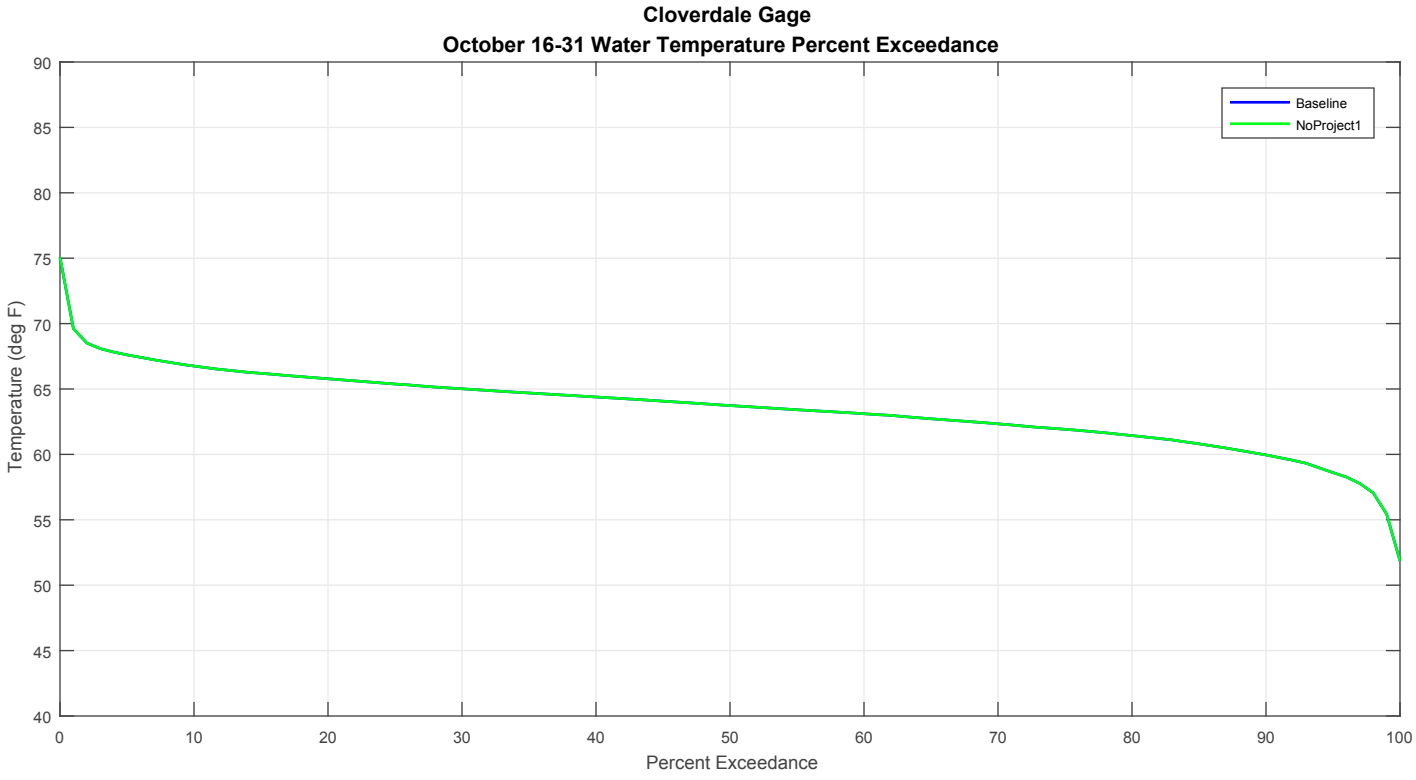
Cloverdale Gage
October 16-31 Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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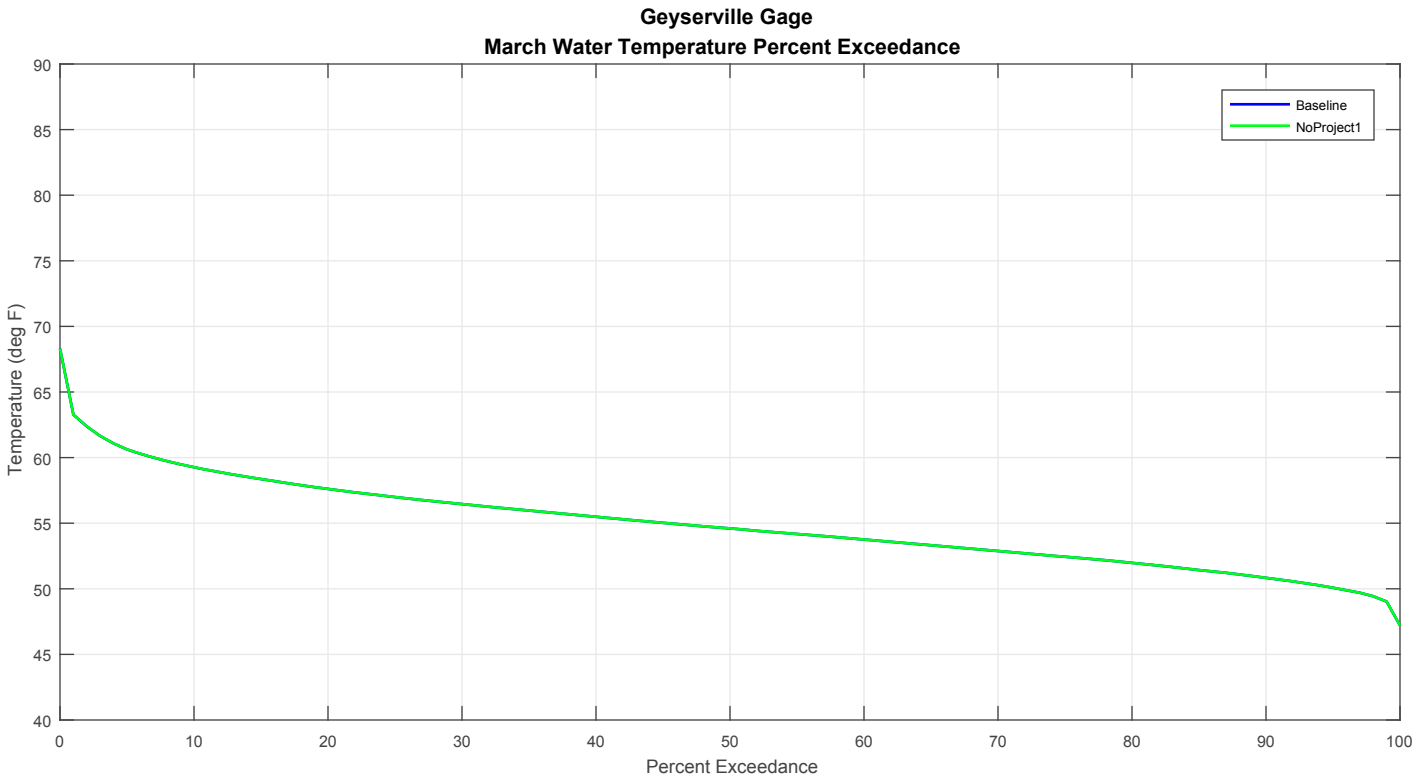
Geyserville Gage
March Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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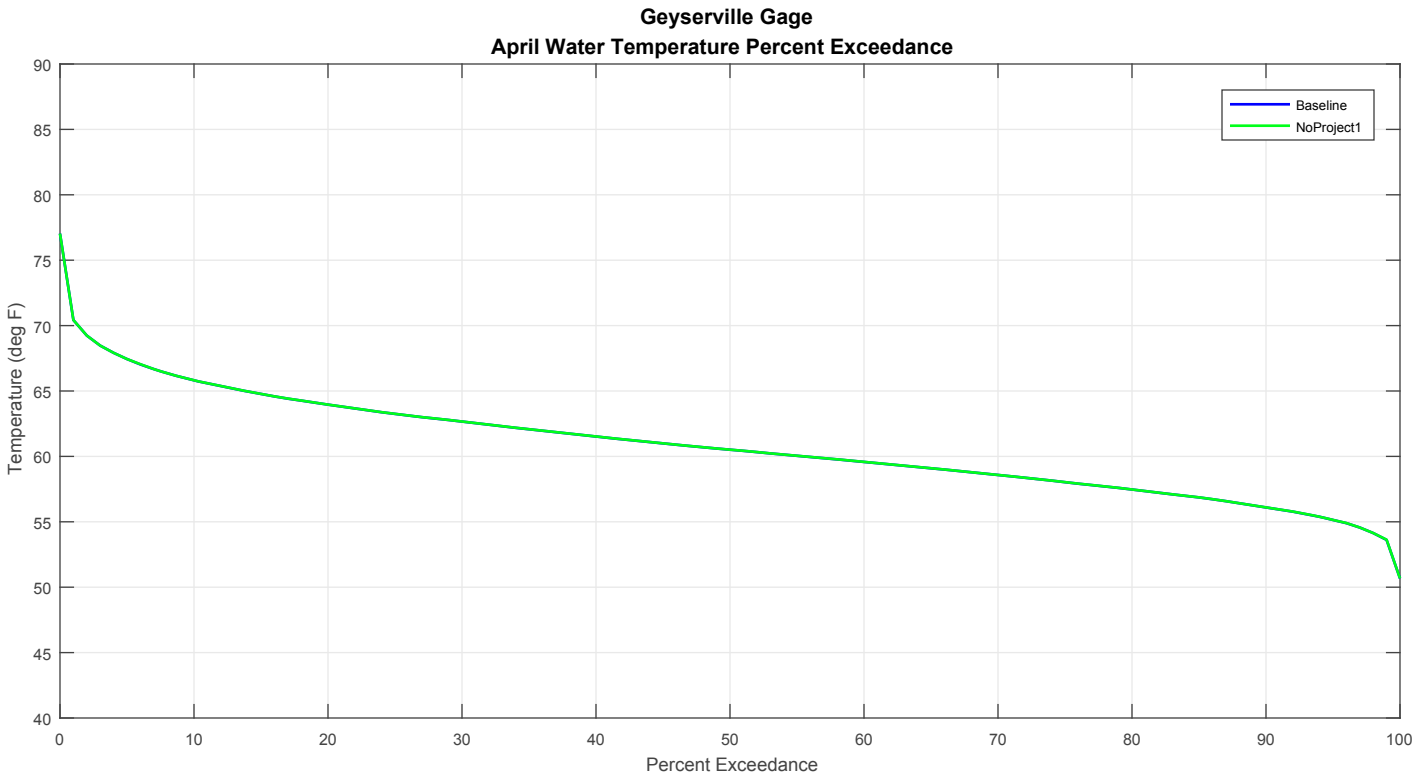
Geyserville Gage
April Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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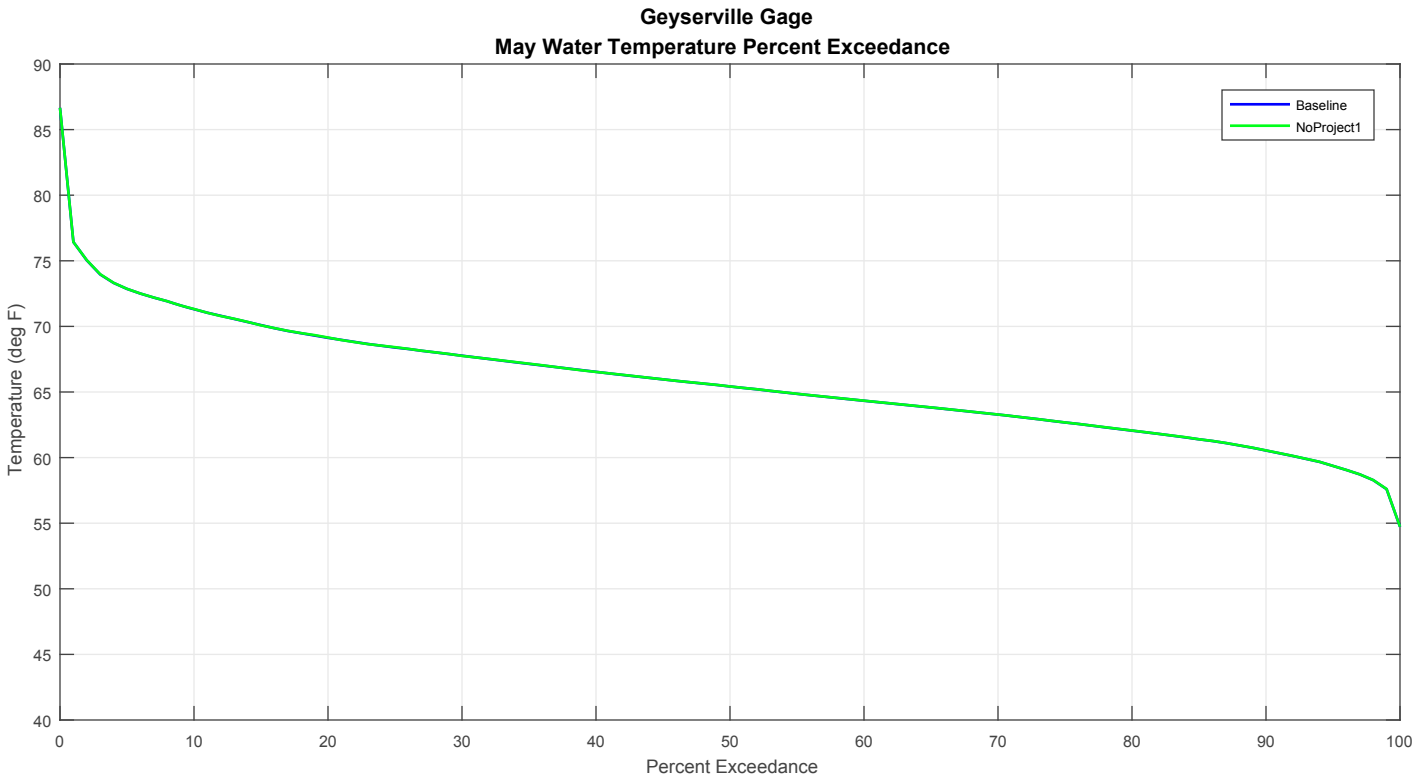
Geyserville Gage
May Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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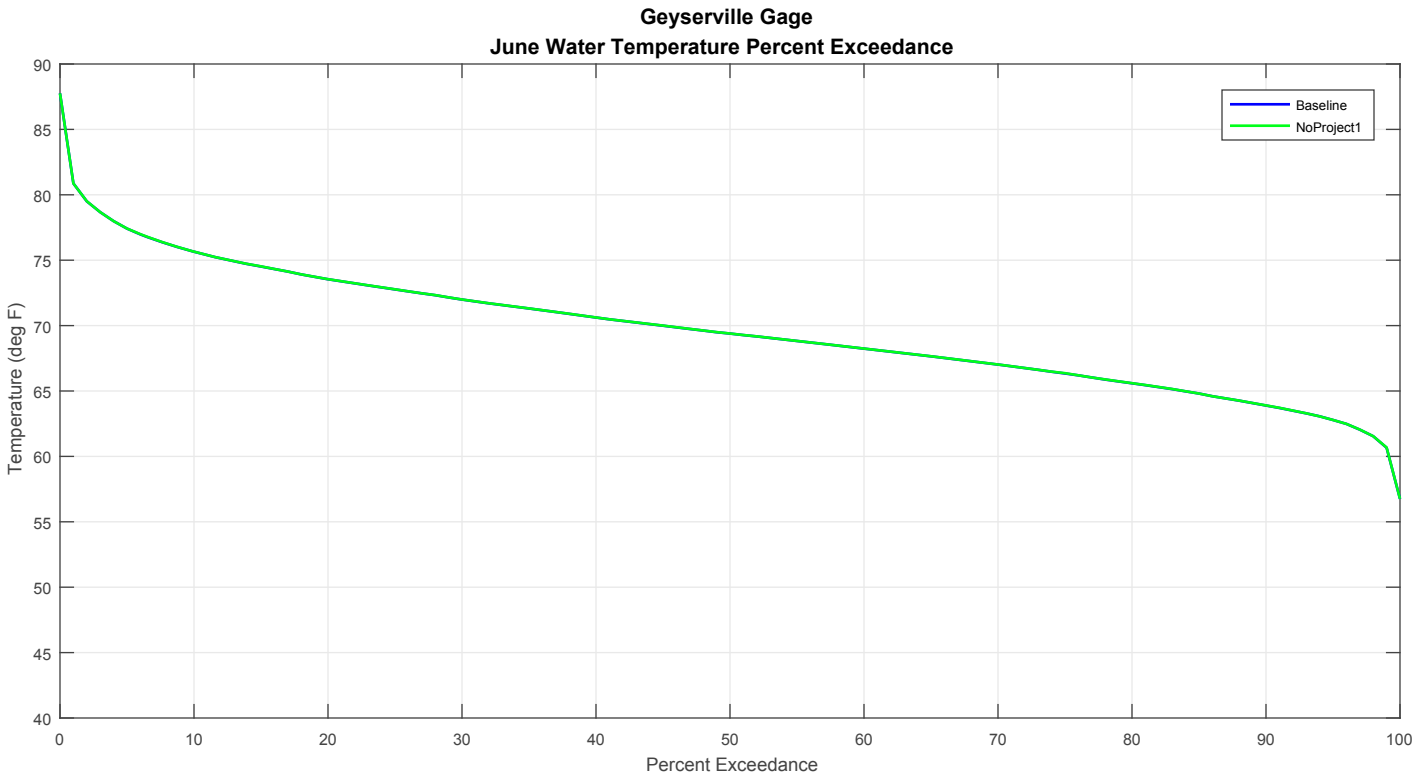
Geyserville Gage
June Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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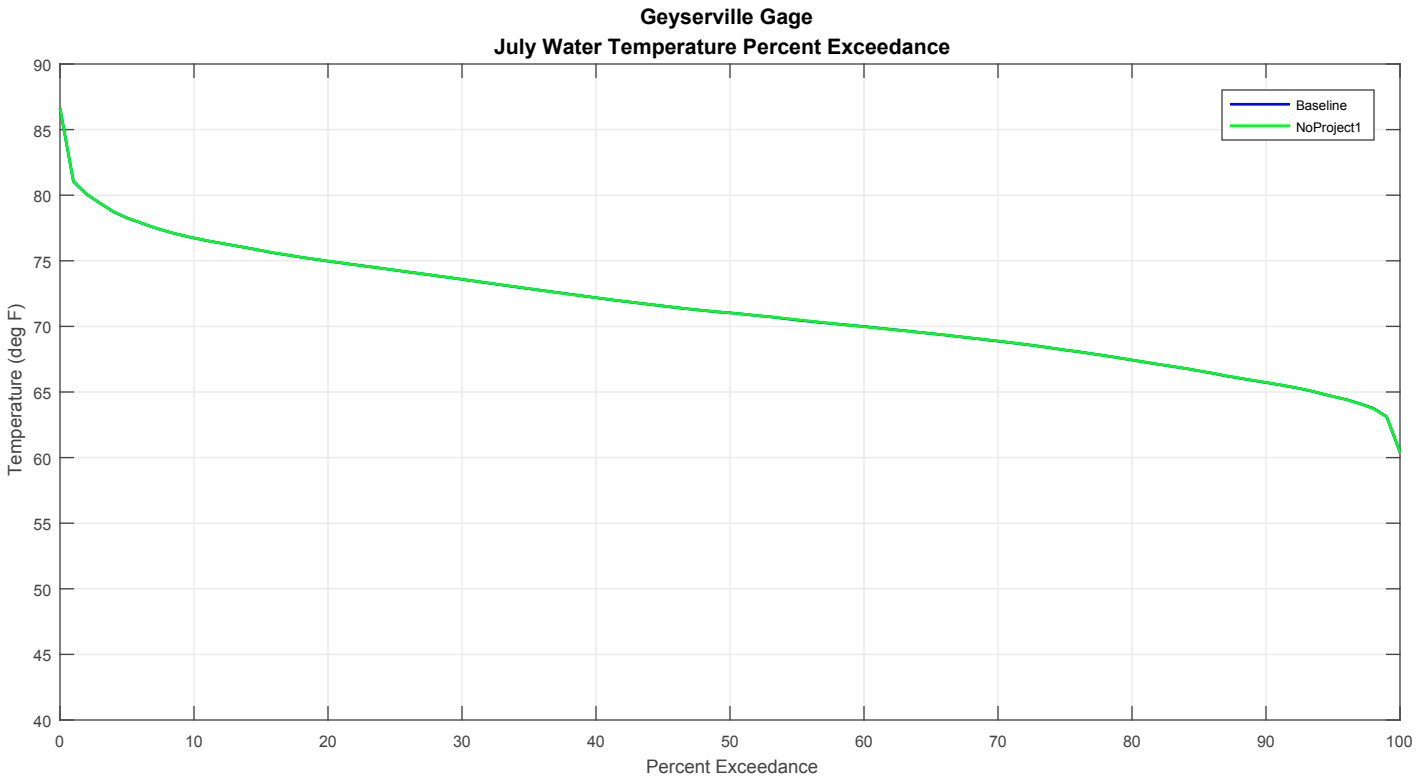
Geyserville Gage
July Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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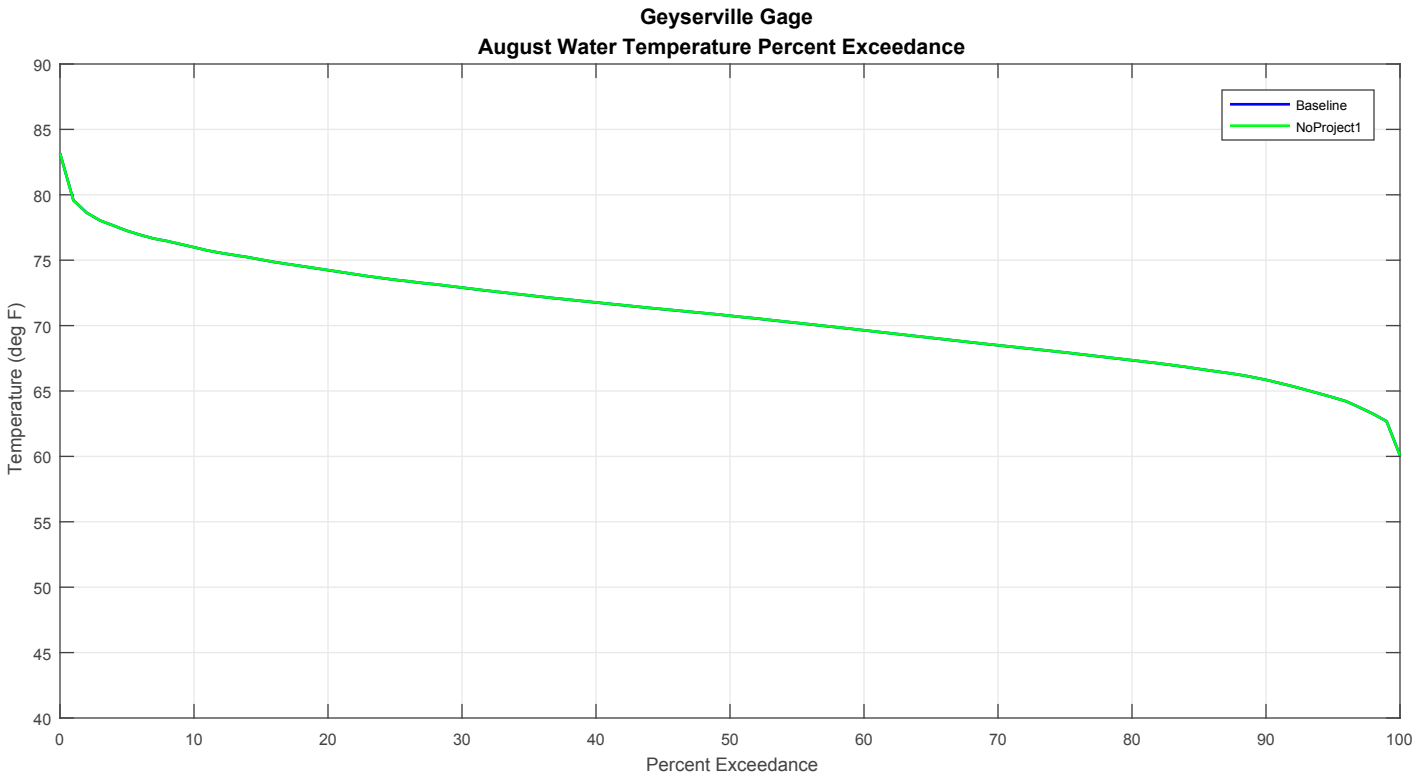
Geyserville Gage
August Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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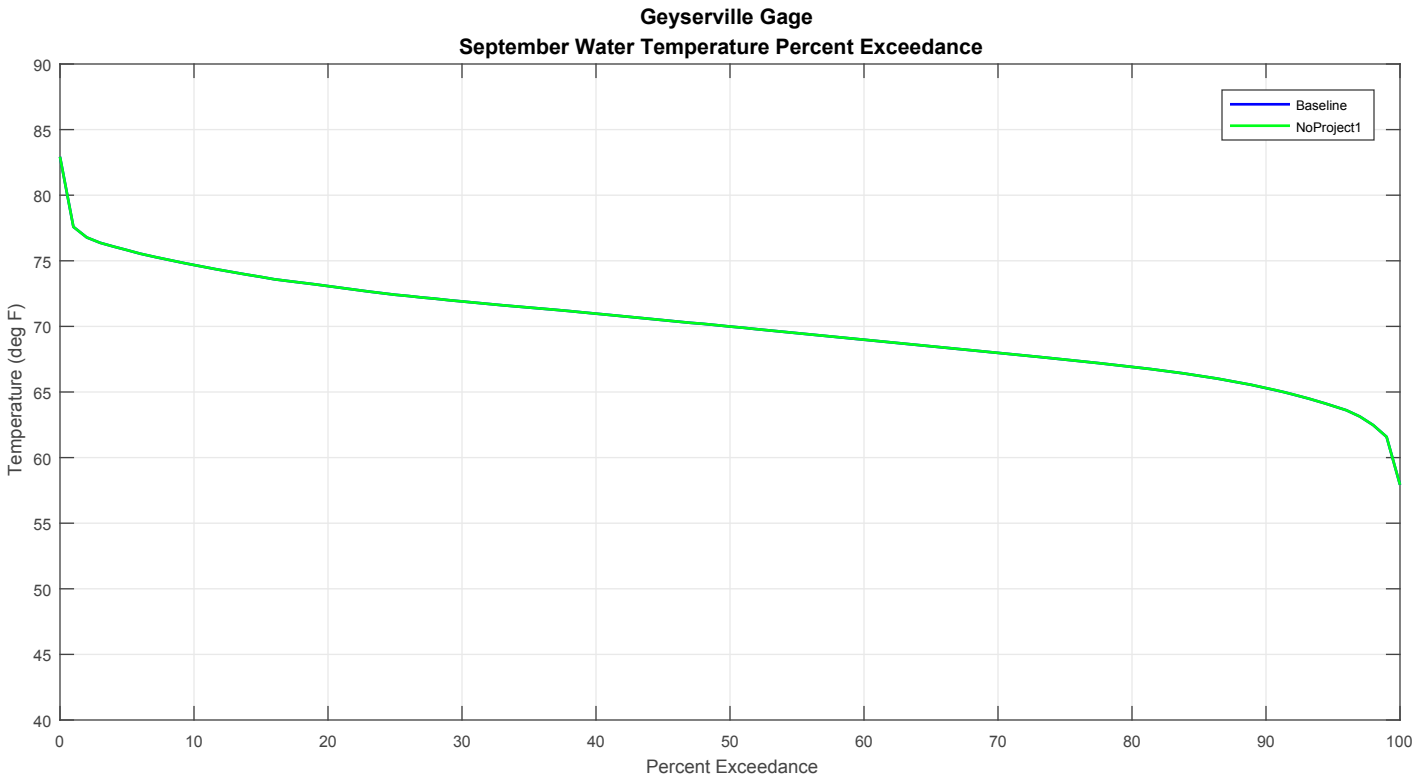
Geyserville Gage
September Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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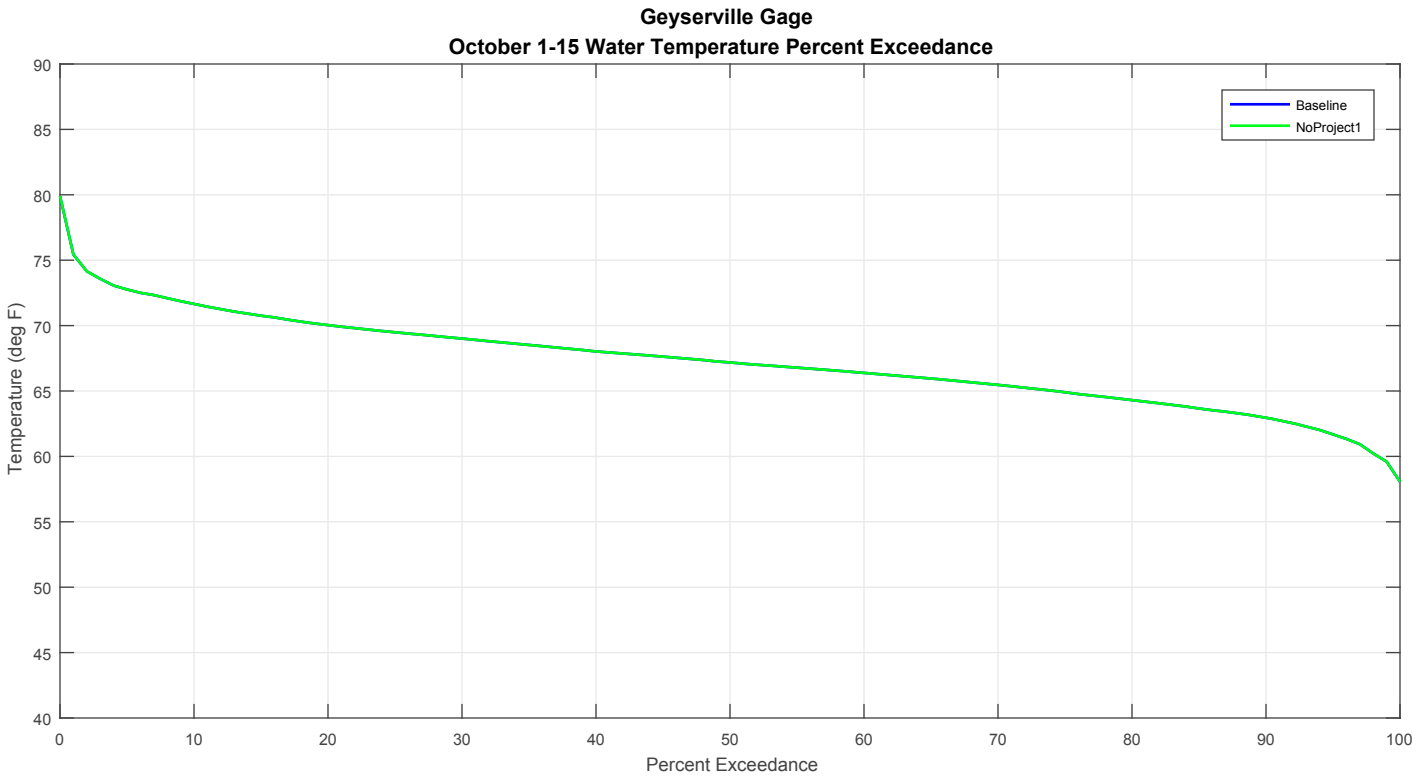
Geyserville Gage
October 1-15 Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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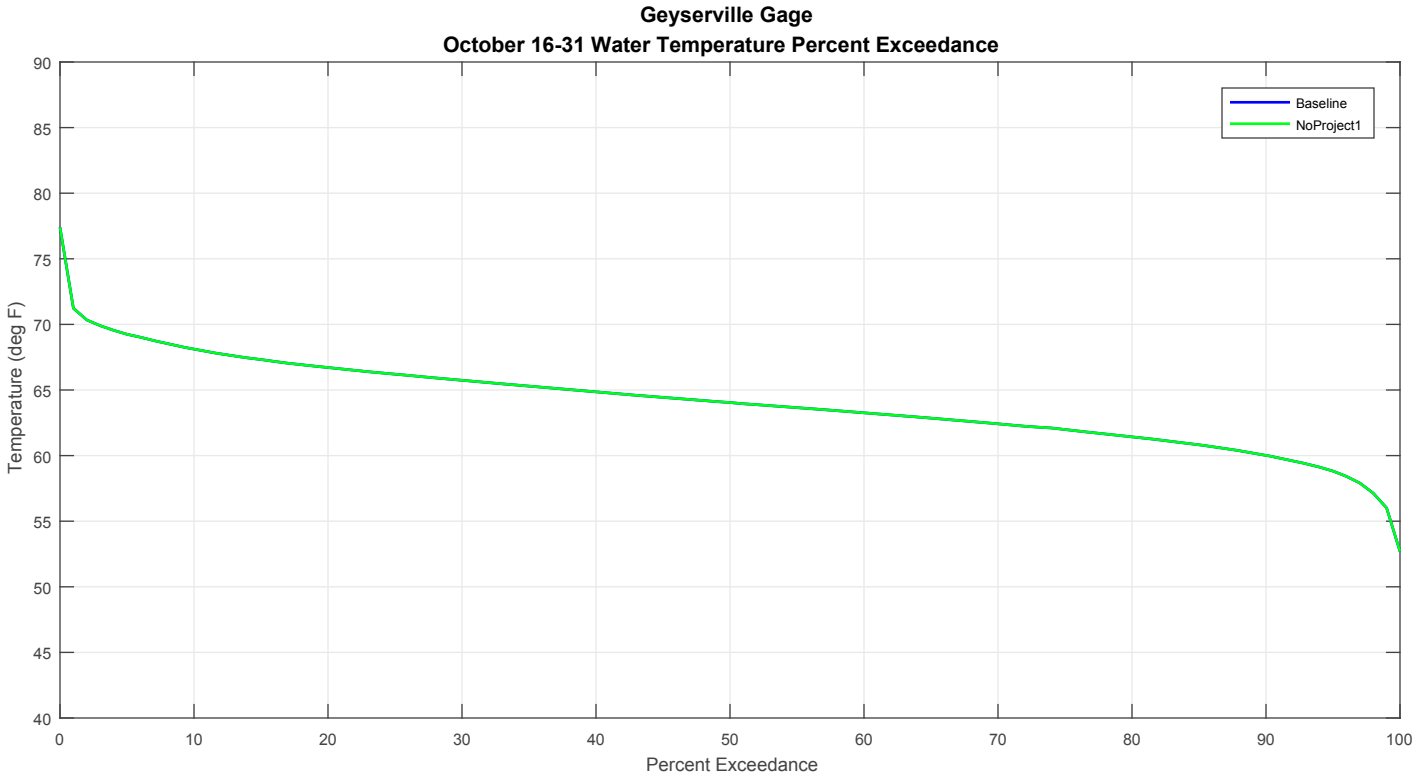
Geyserville Gage
October 16-31 Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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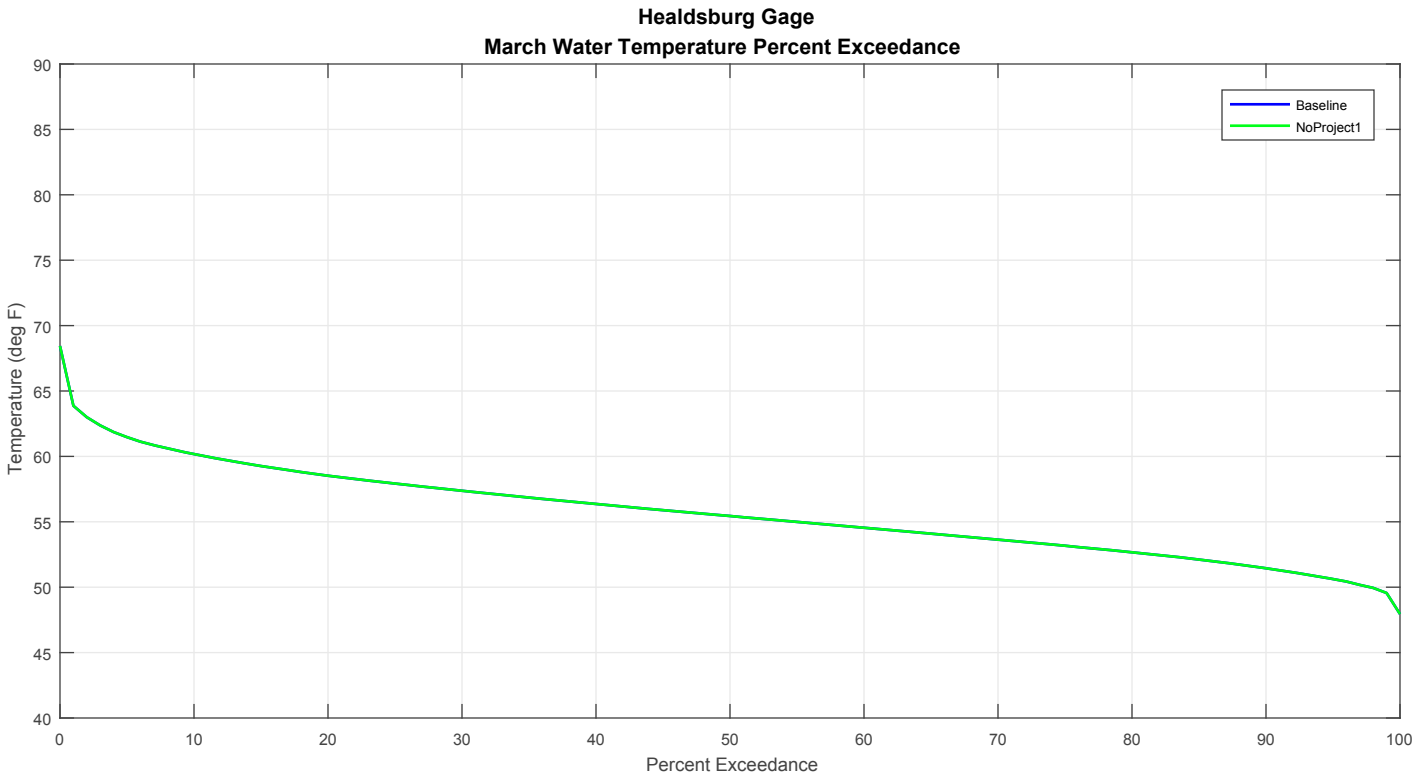
Healdsburg Gage
March Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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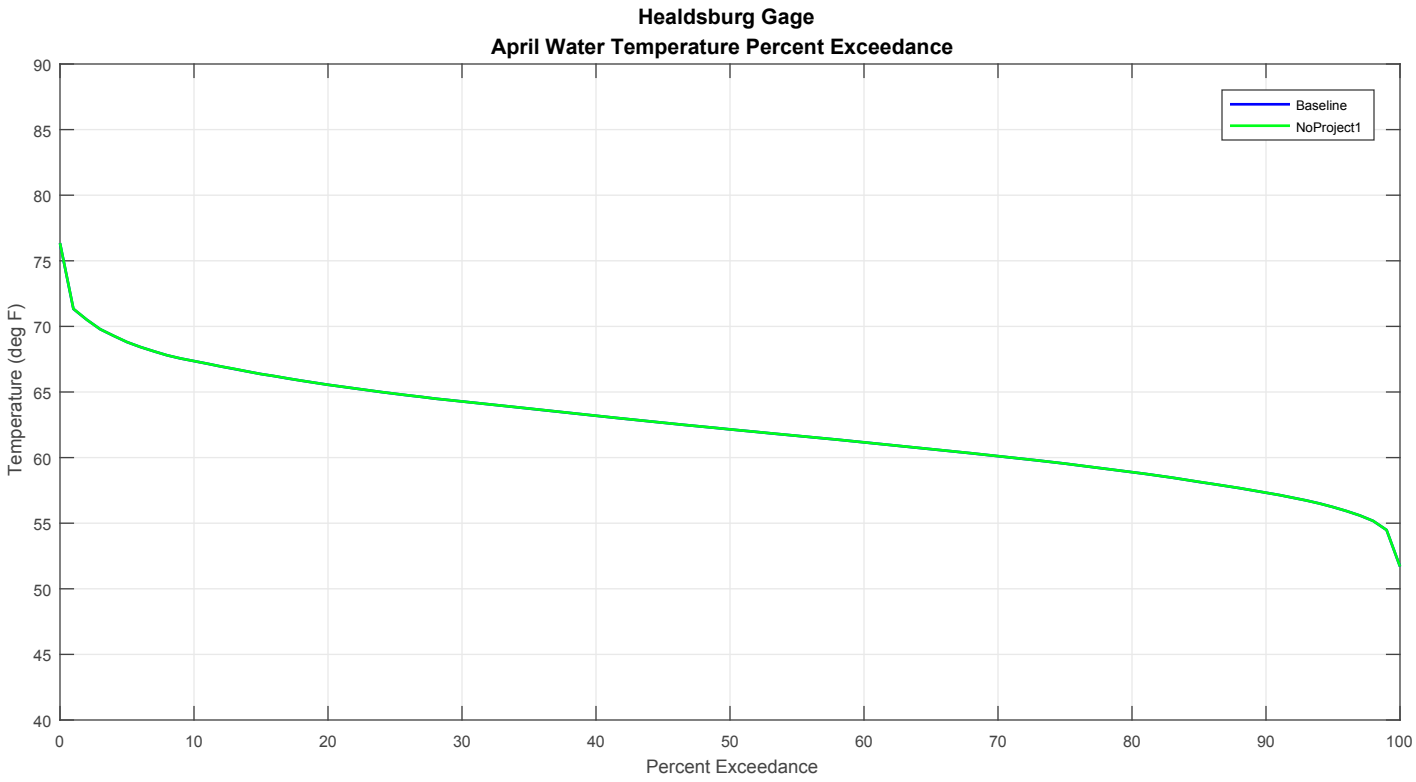
Healdsburg Gage
April Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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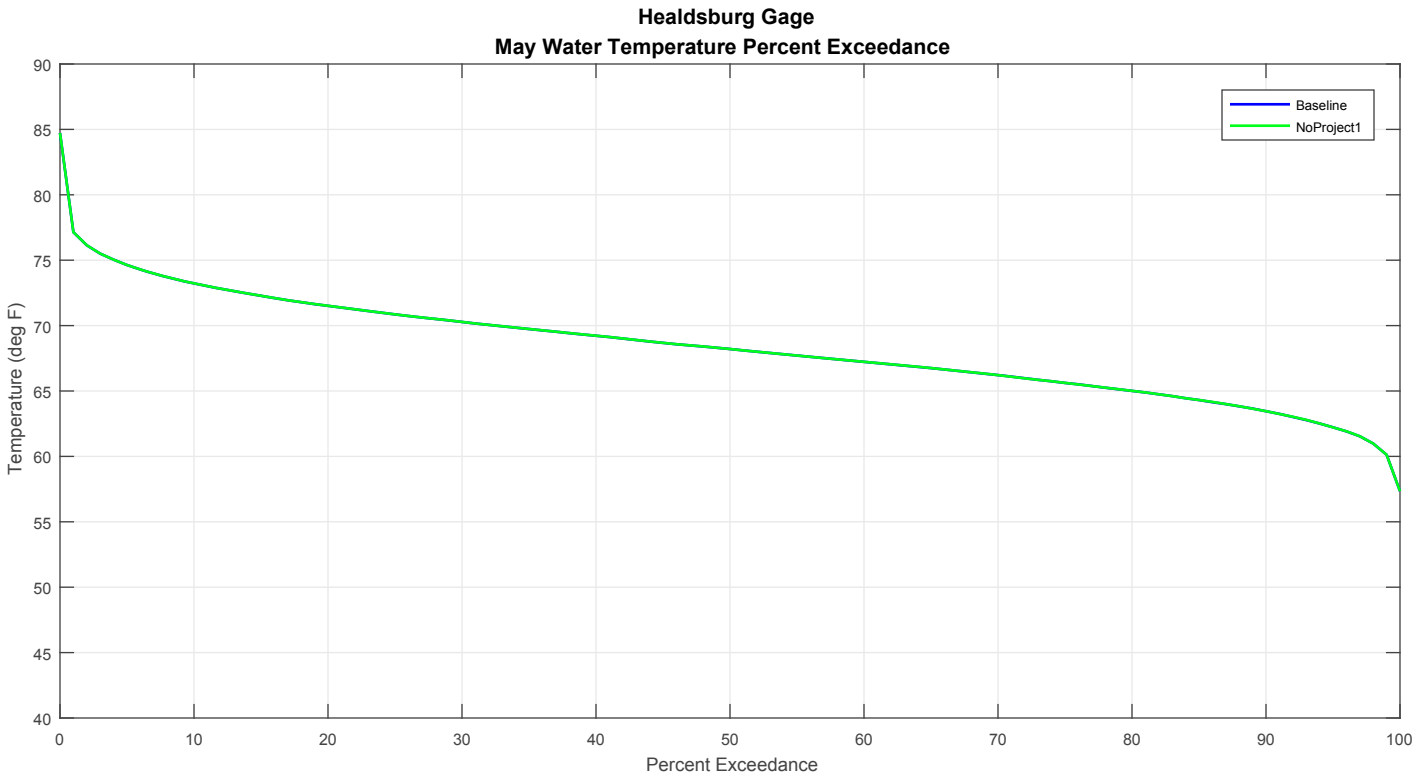
Healdsburg Gage
May Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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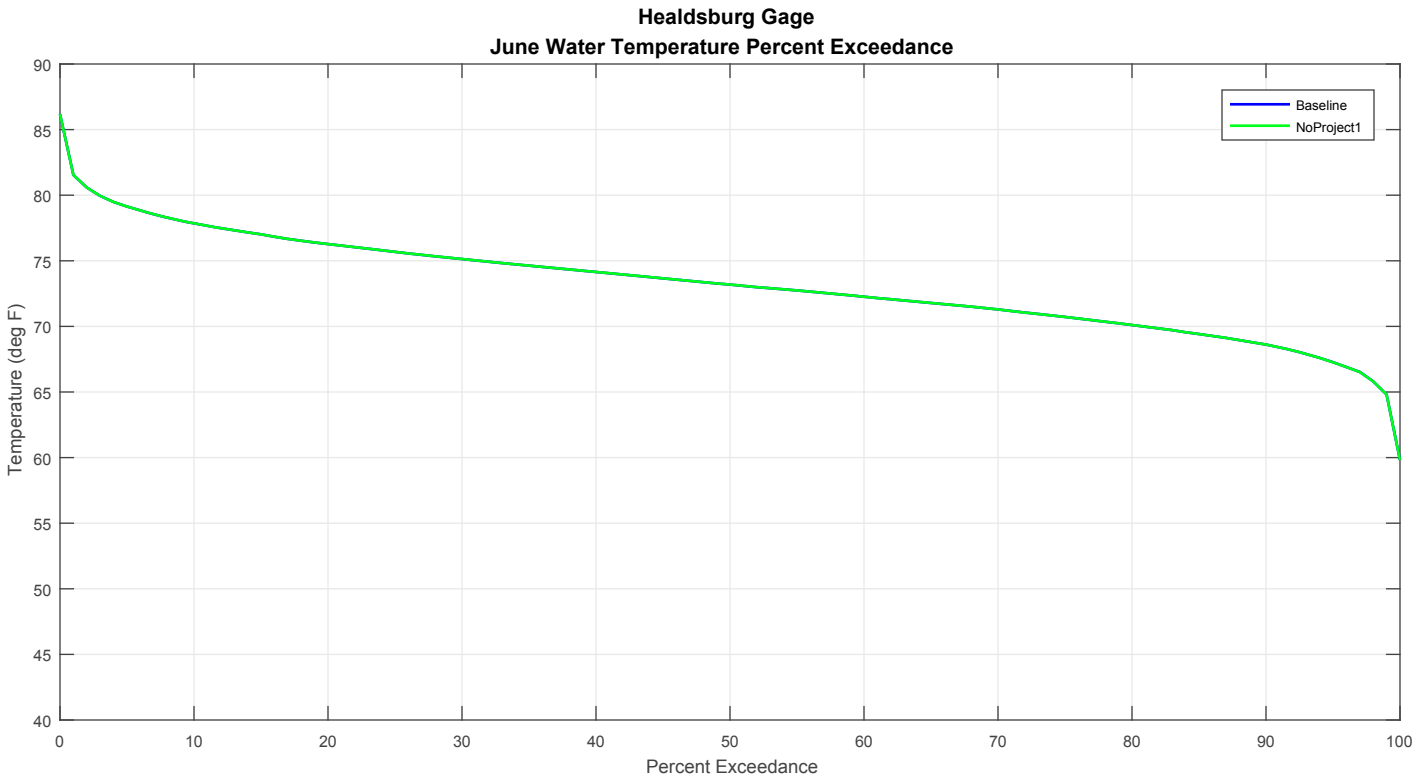
Healdsburg Gage
June Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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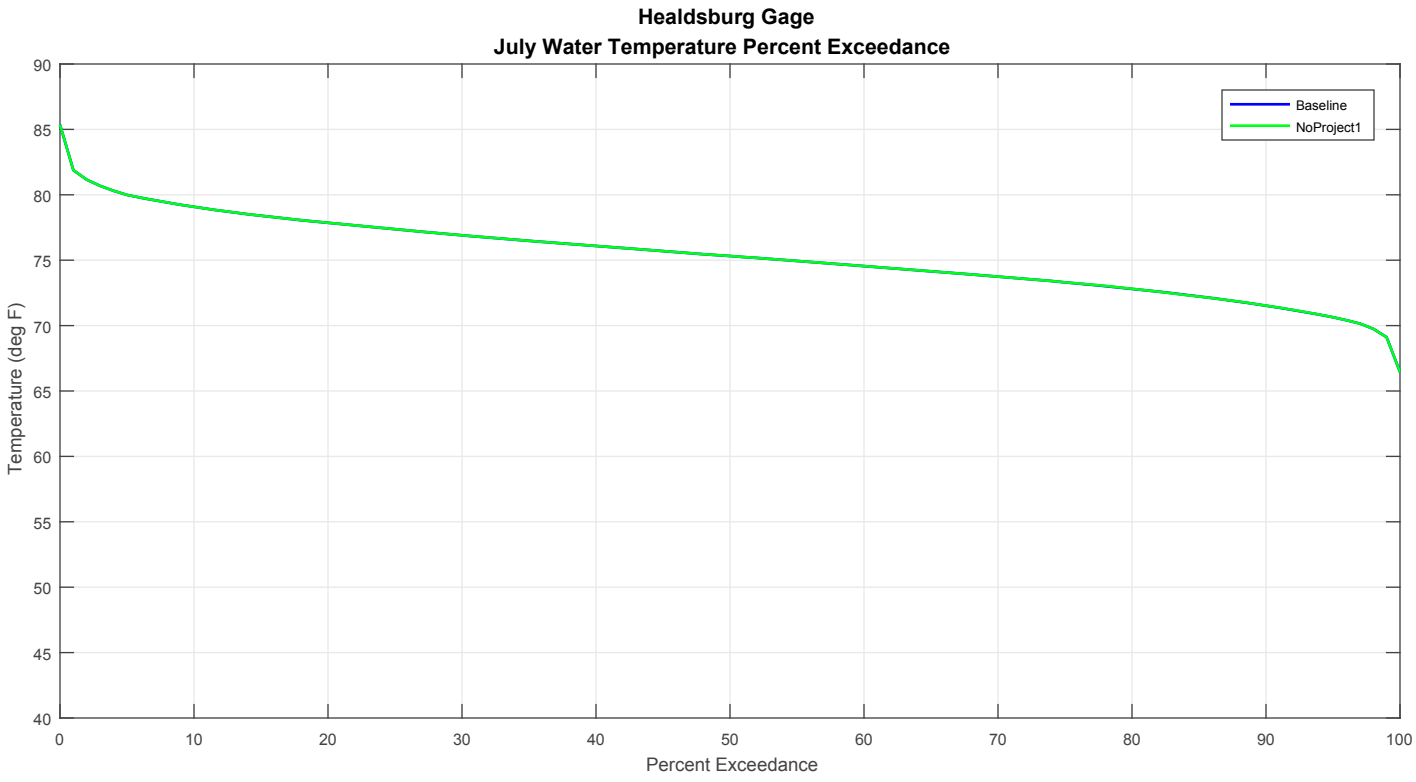
Healdsburg Gage
July Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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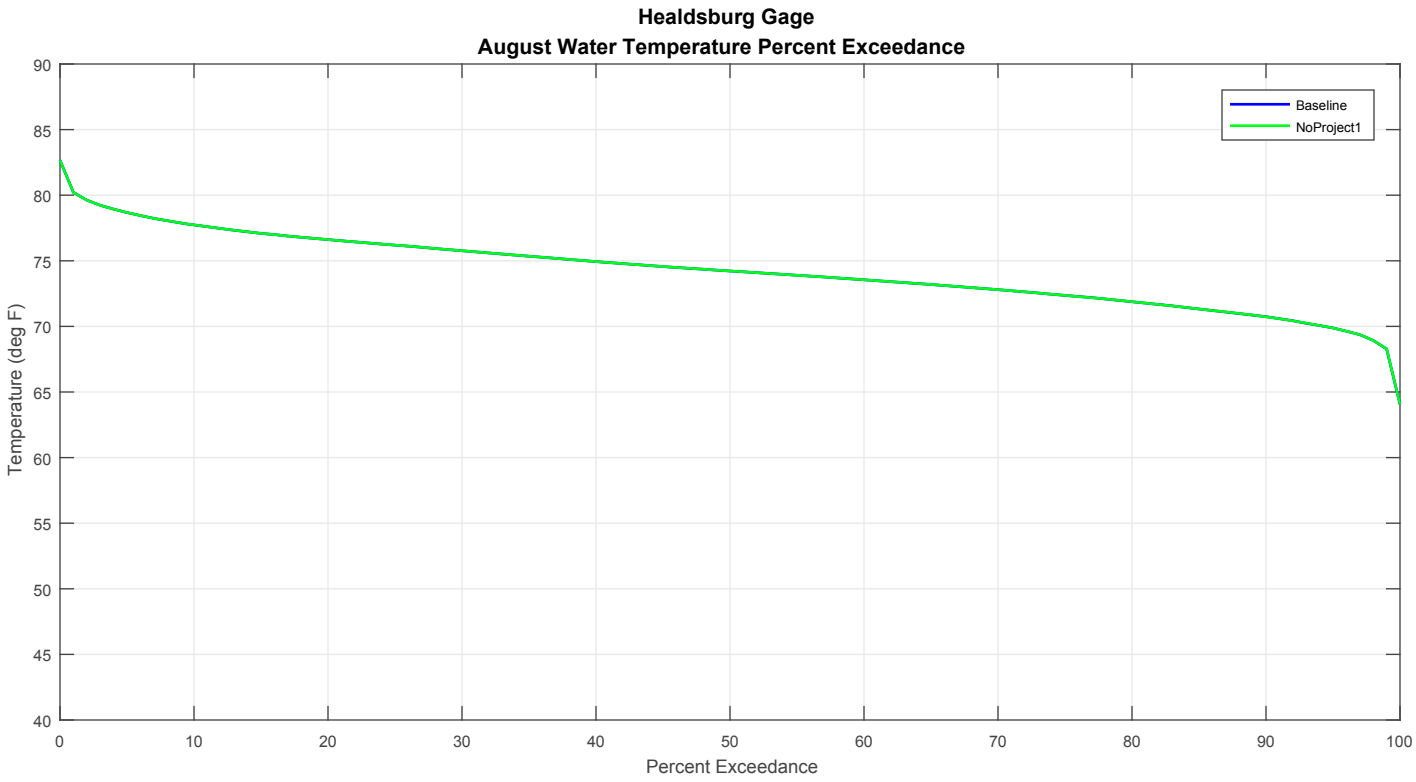
Healdsburg Gage
August Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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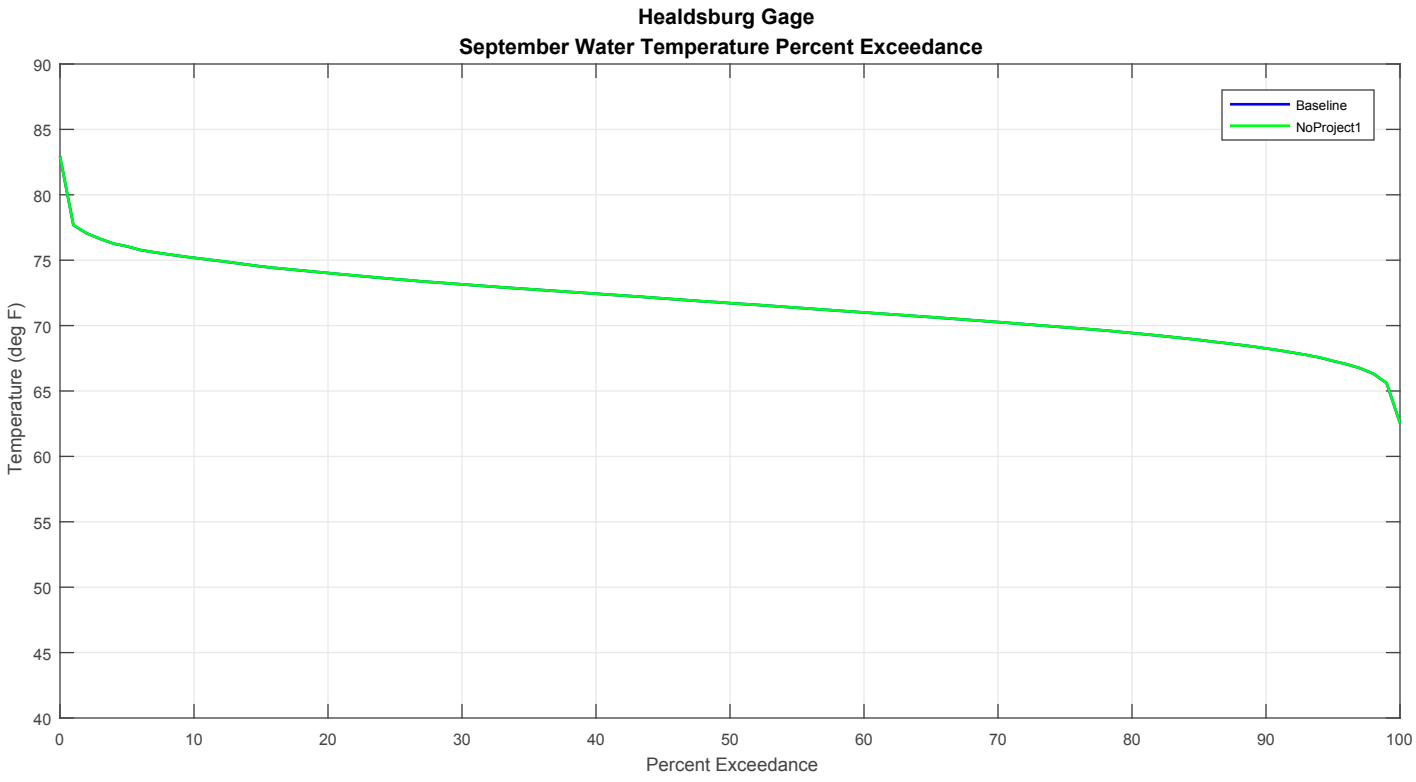
Healdsburg Gage
September Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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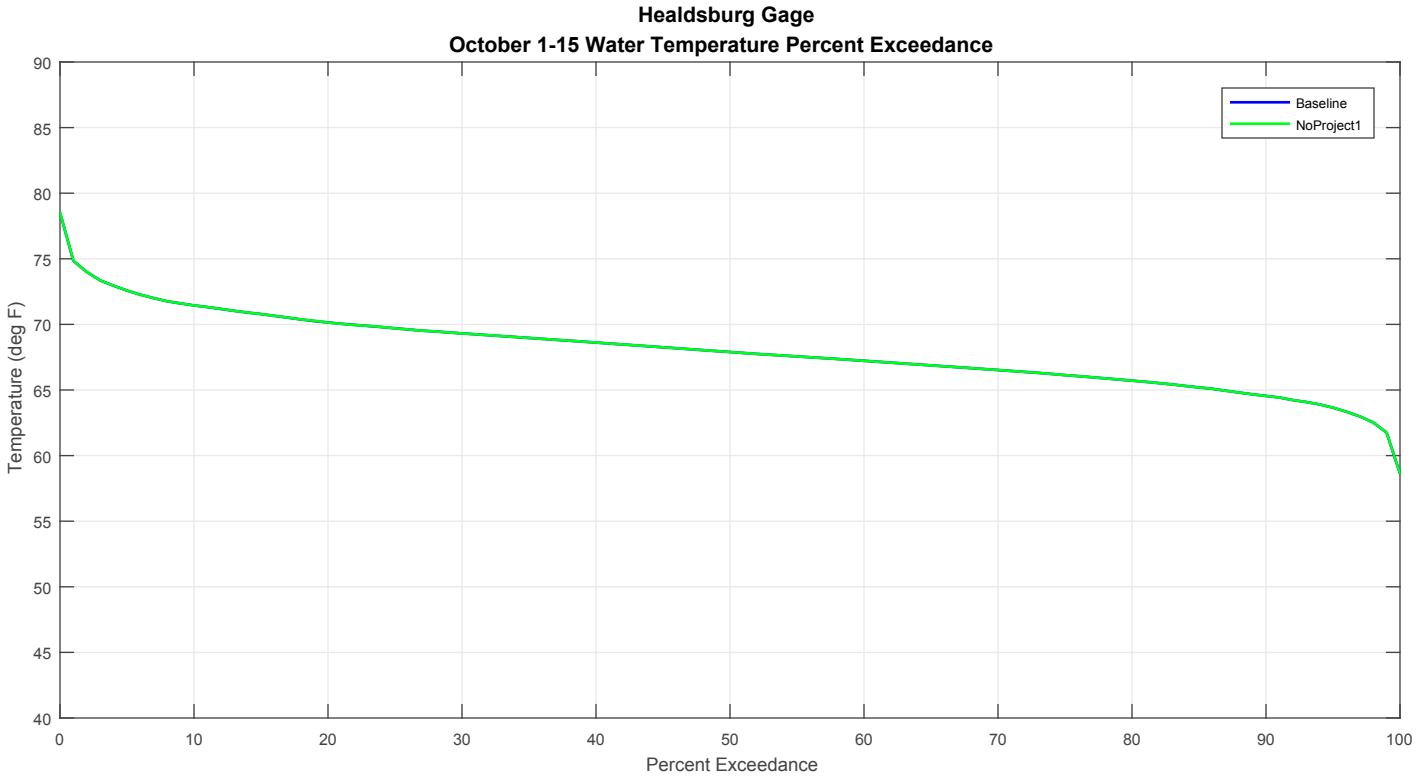
Healdsburg Gage
October 1-15 Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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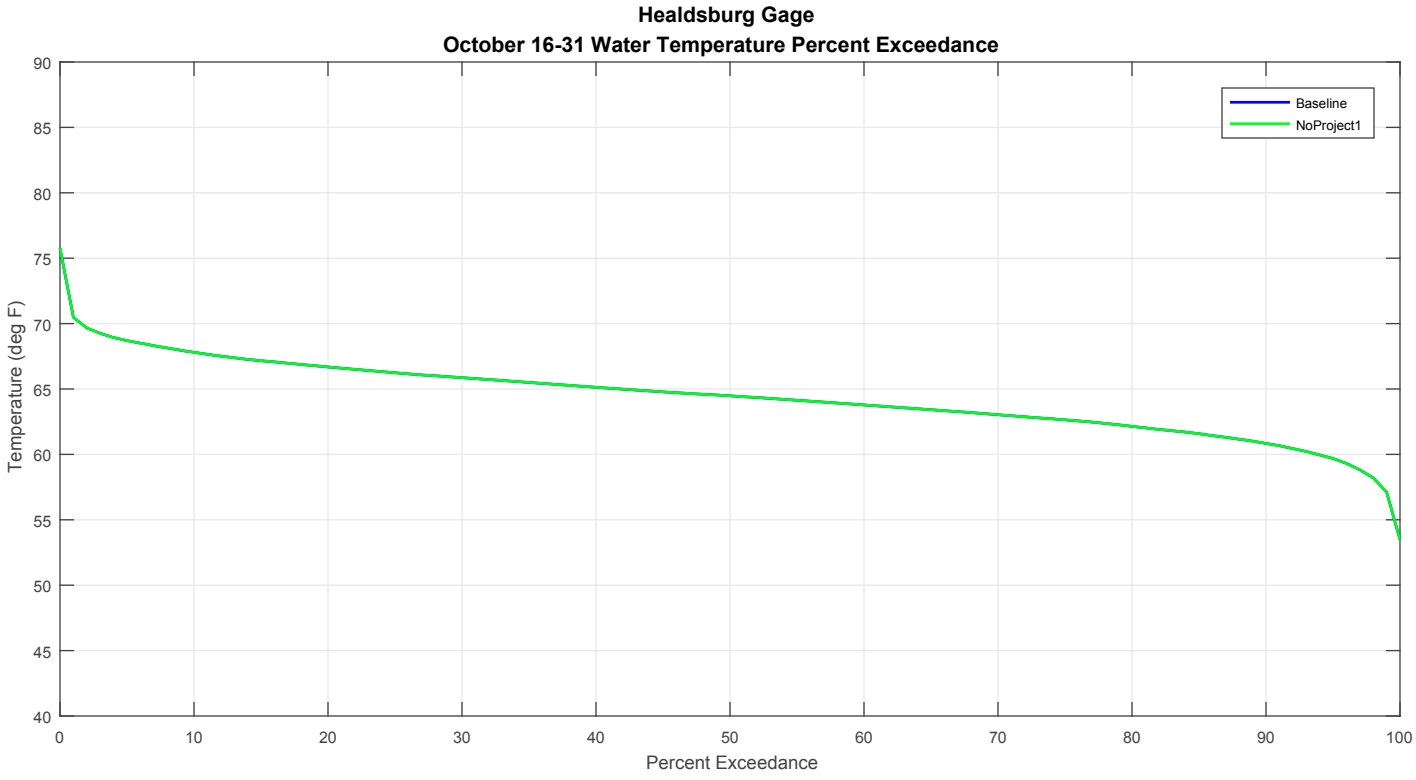
Healdsburg Gage
October 16-31 Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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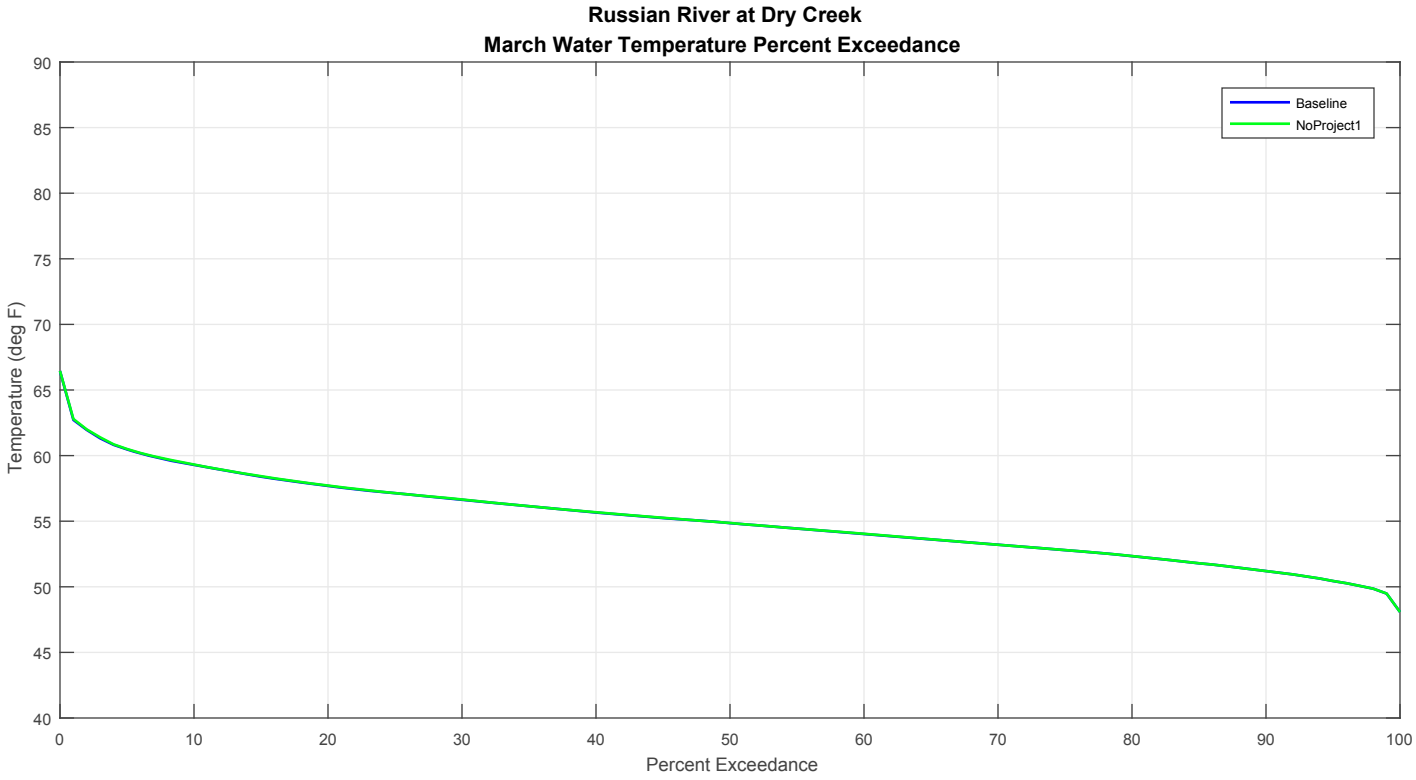
Russian River at Dry Creek
March Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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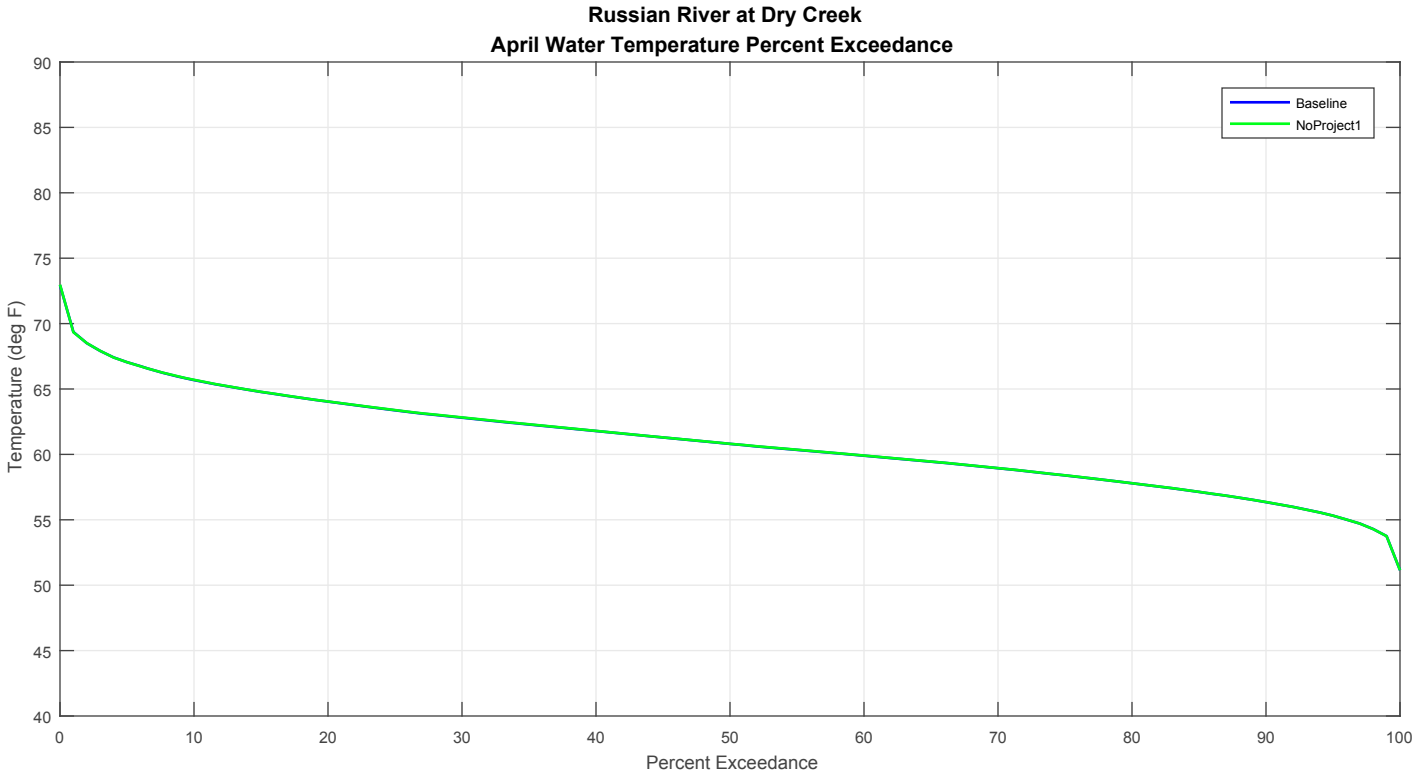
Russian River at Dry Creek
April Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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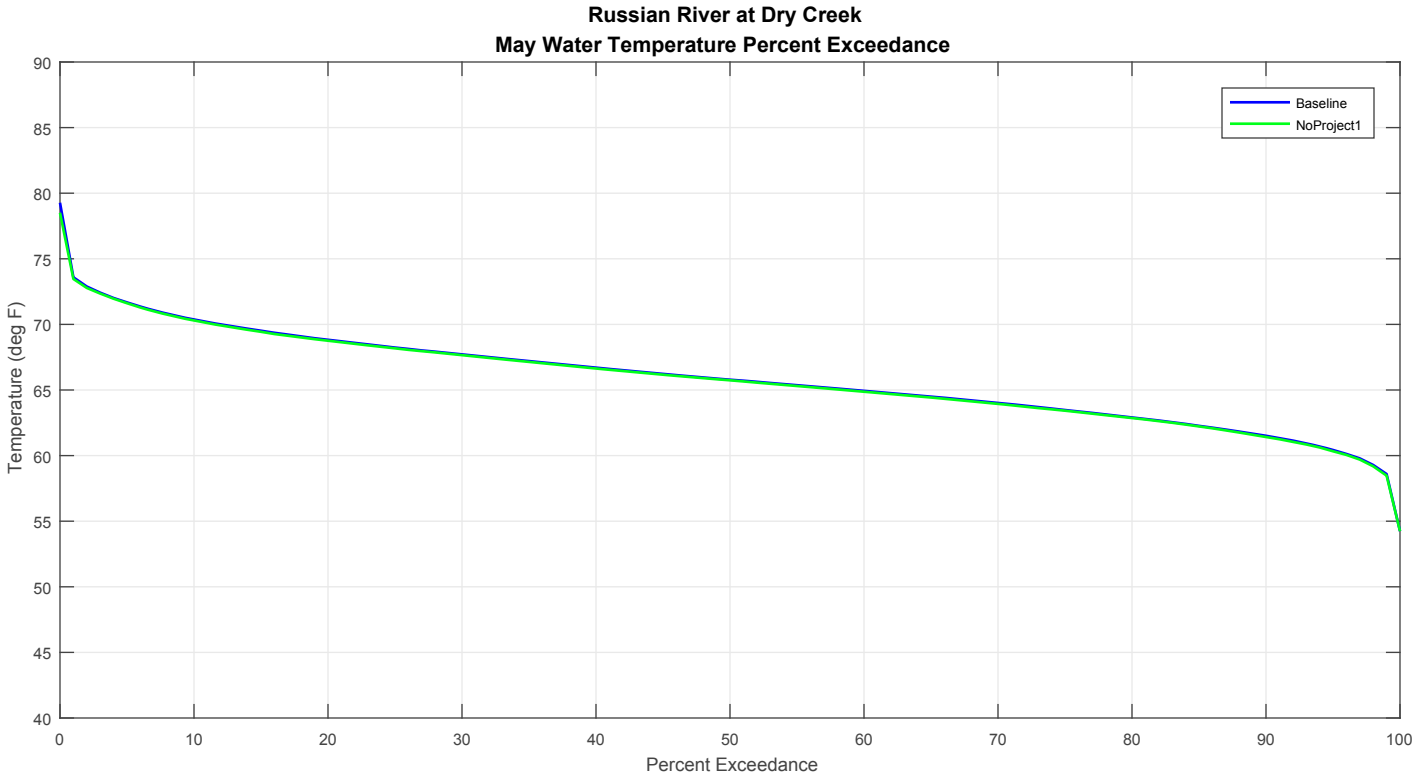
Russian River at Dry Creek
May Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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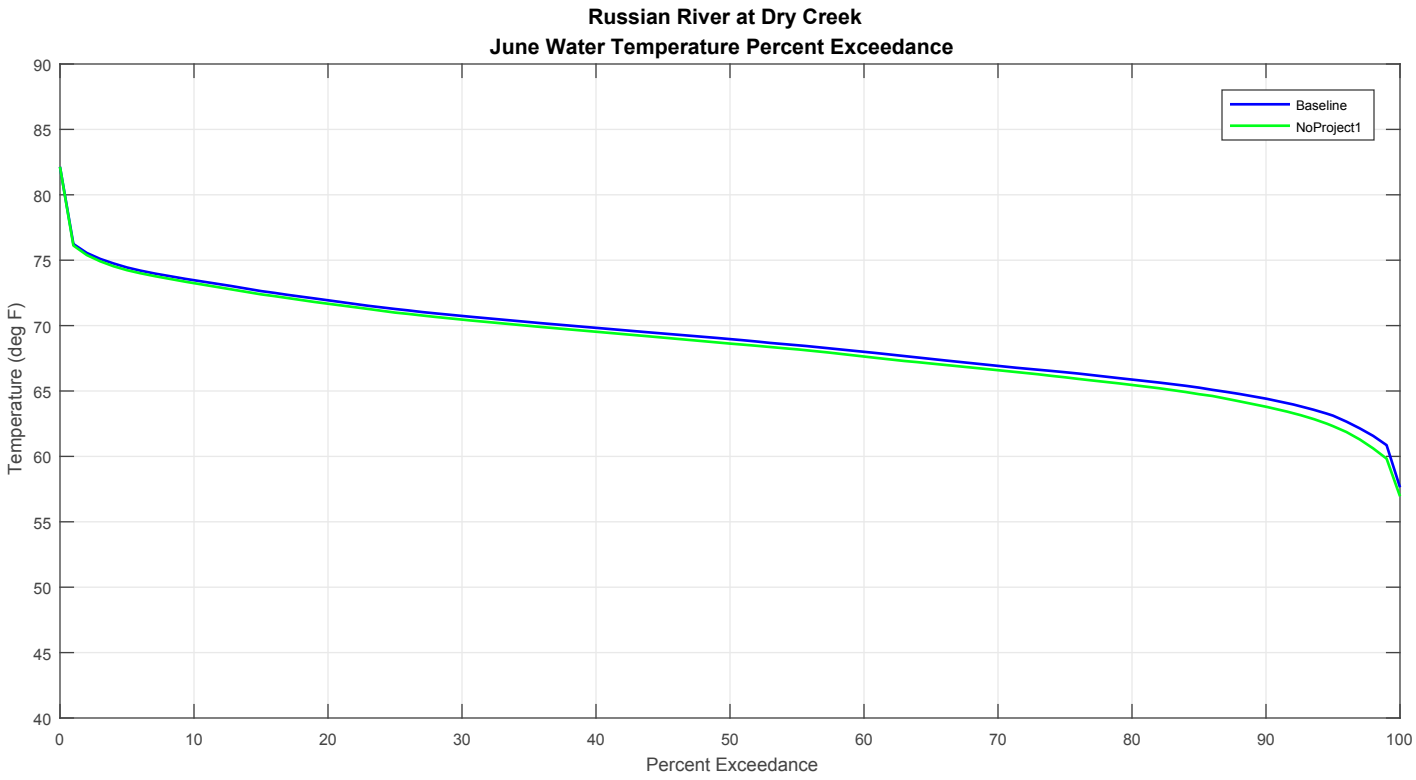
Russian River at Dry Creek
June Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
90
85
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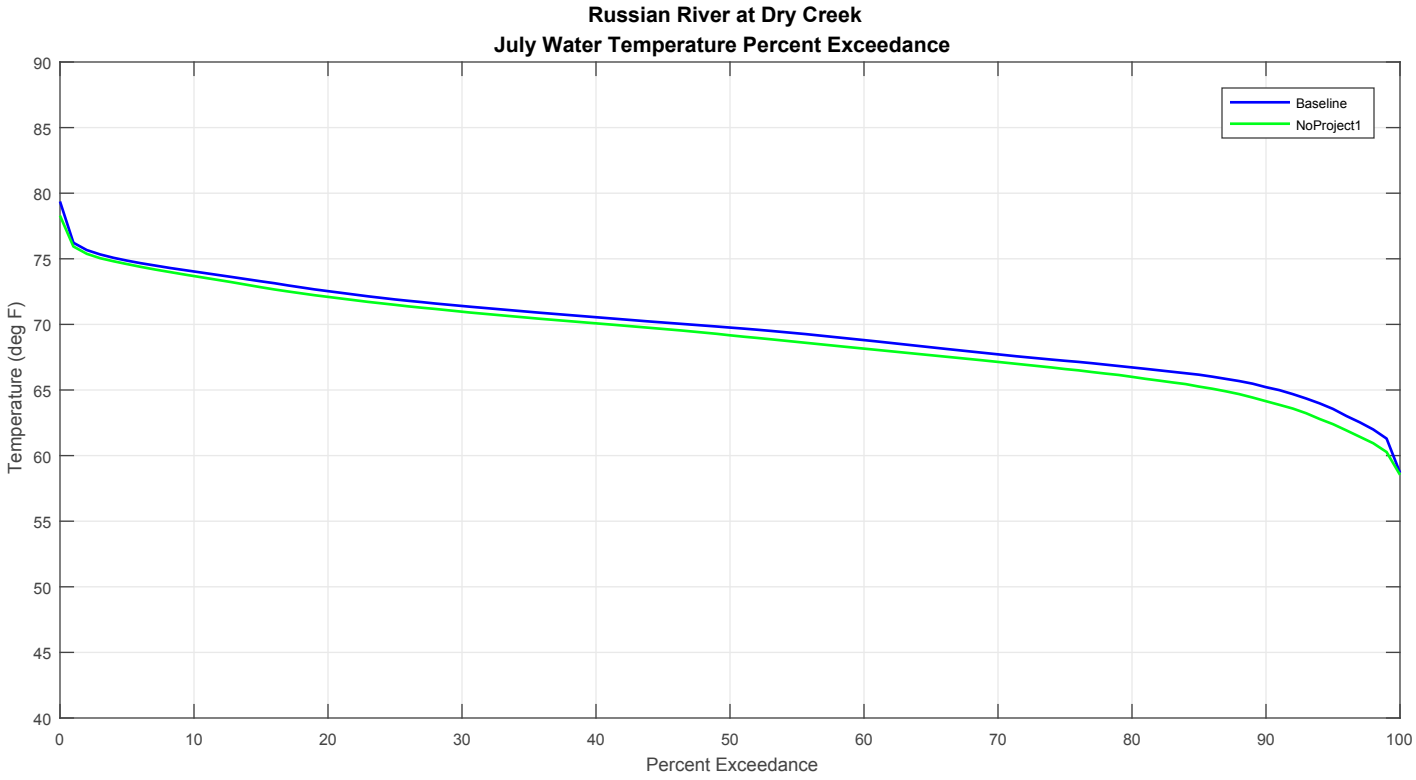
Russian River at Dry Creek
July Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
90
85
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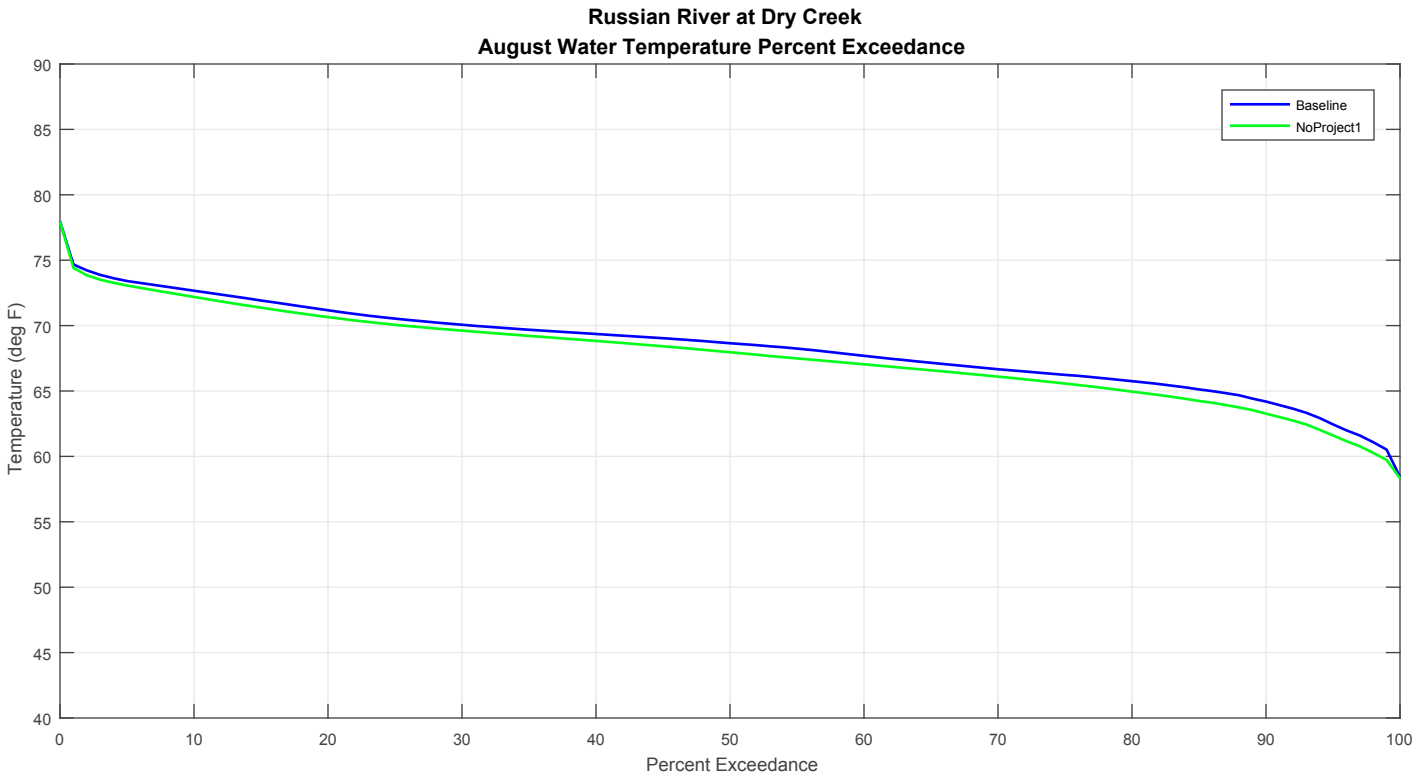
Russian River at Dry Creek
August Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
90
85
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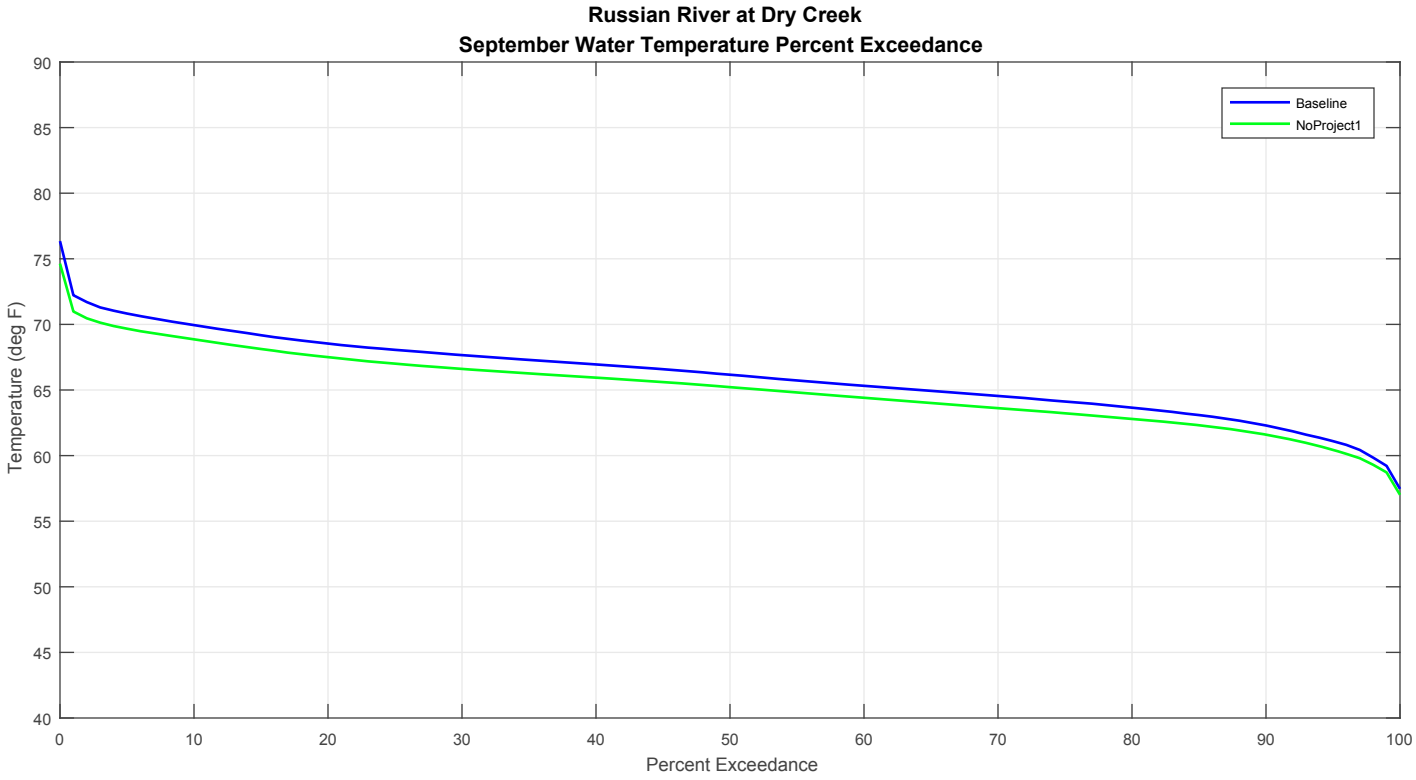
Russian River at Dry Creek
September Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
90
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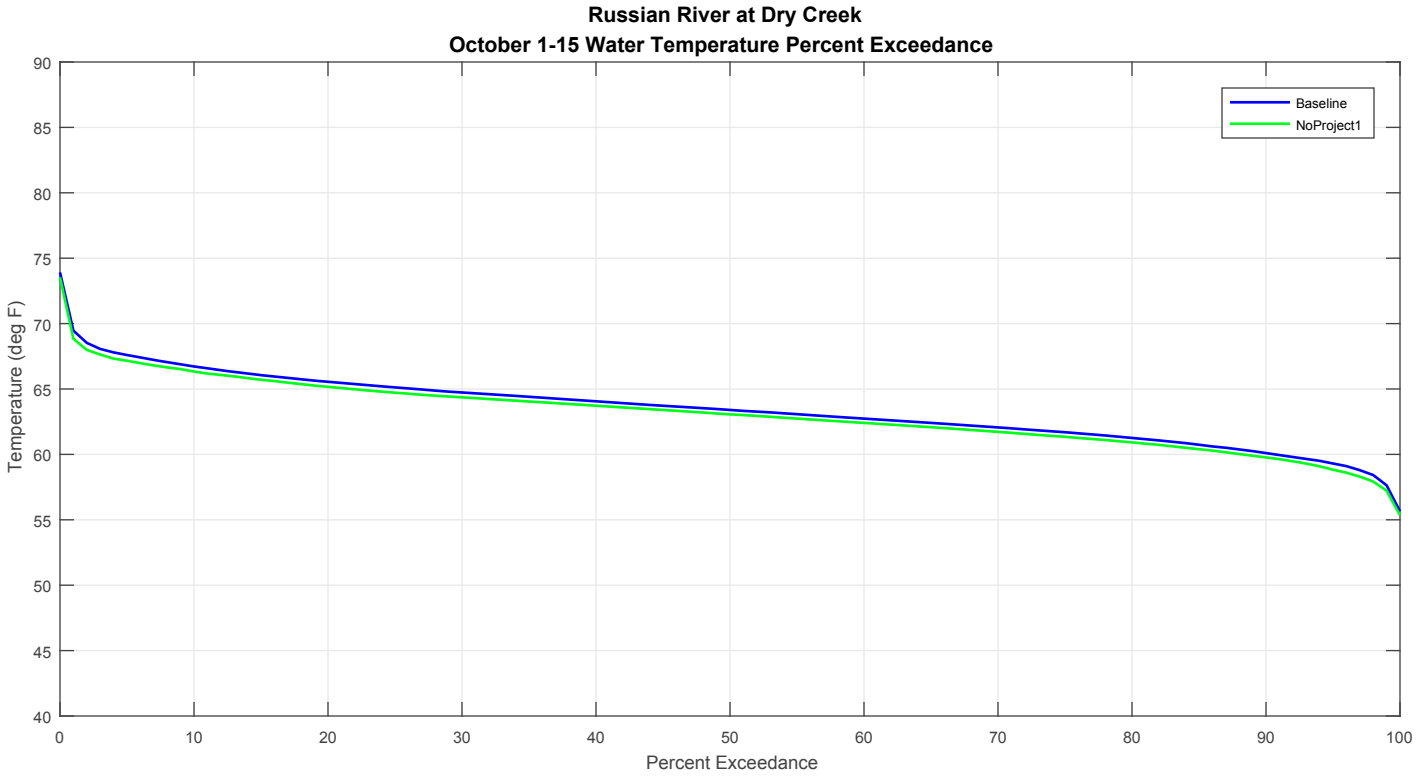
Russian River at Dry Creek
October 1-15 Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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85
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65
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Russian River at Dry Creek
October 16-31 Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
90
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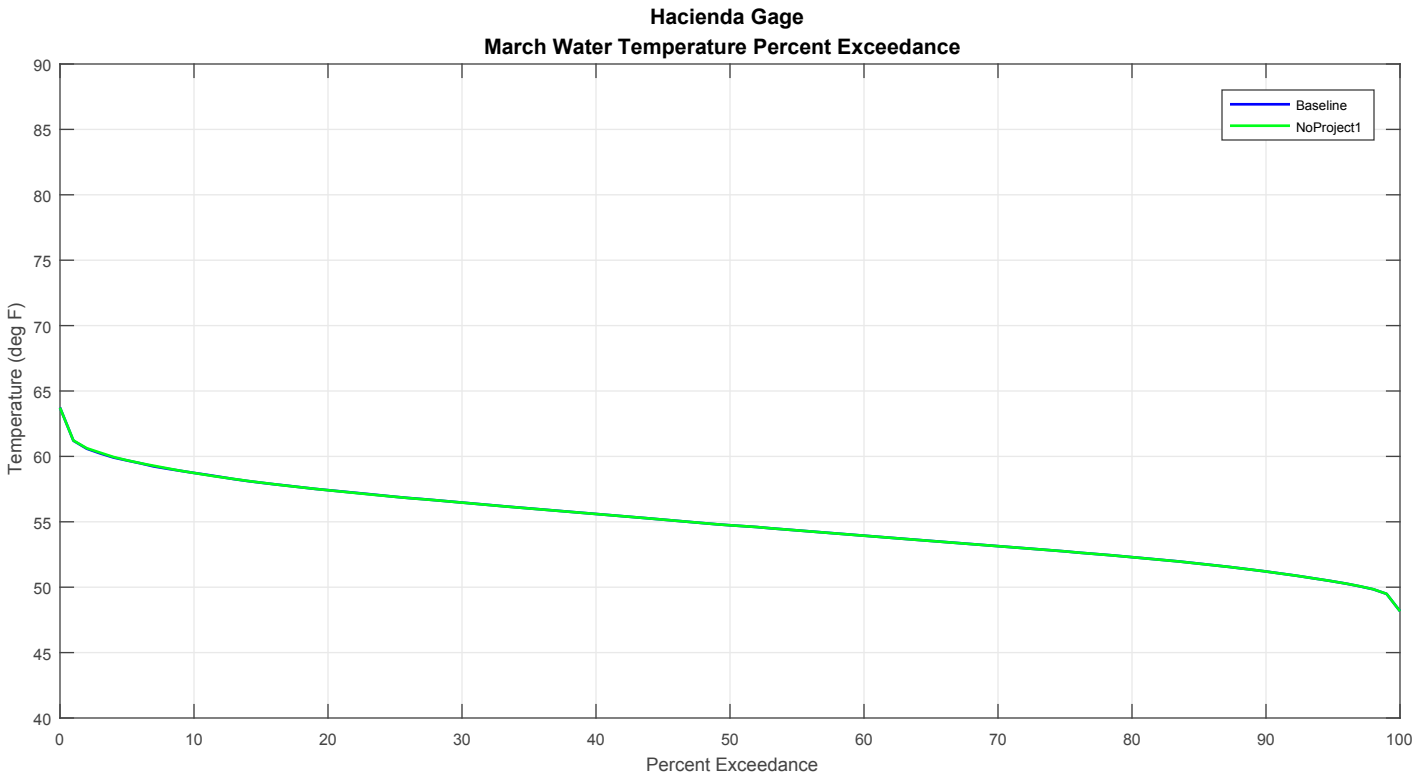
Hacienda Gage
March Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
90
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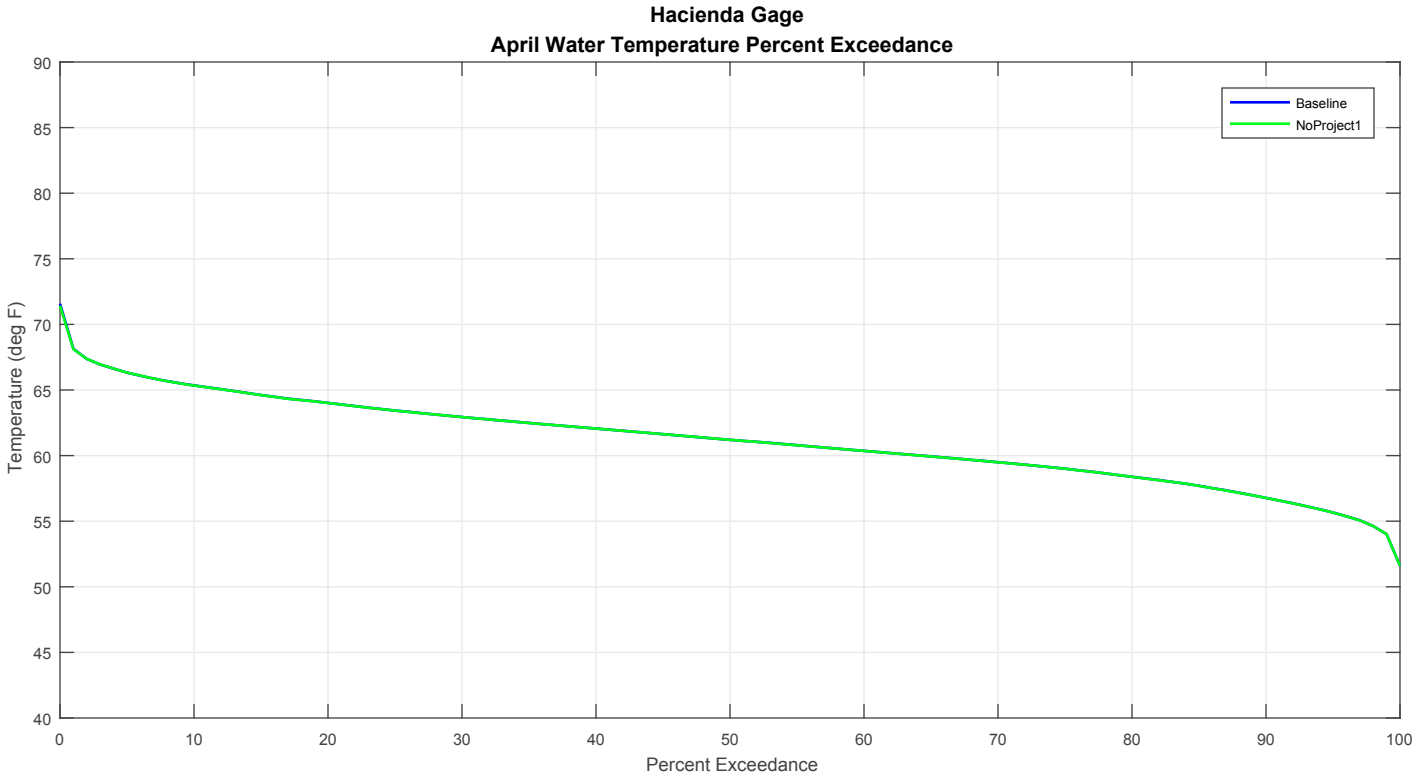
Hacienda Gage
April Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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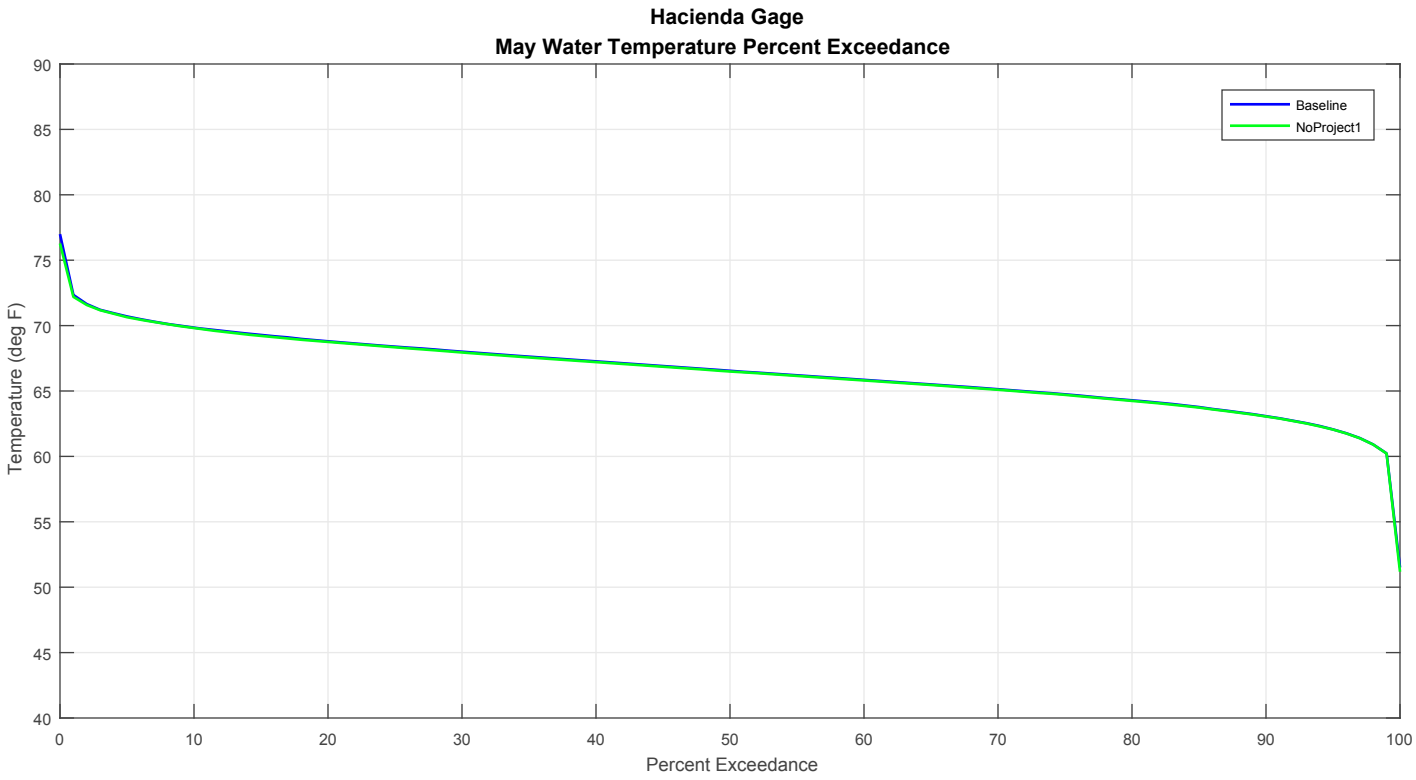
Hacienda Gage
May Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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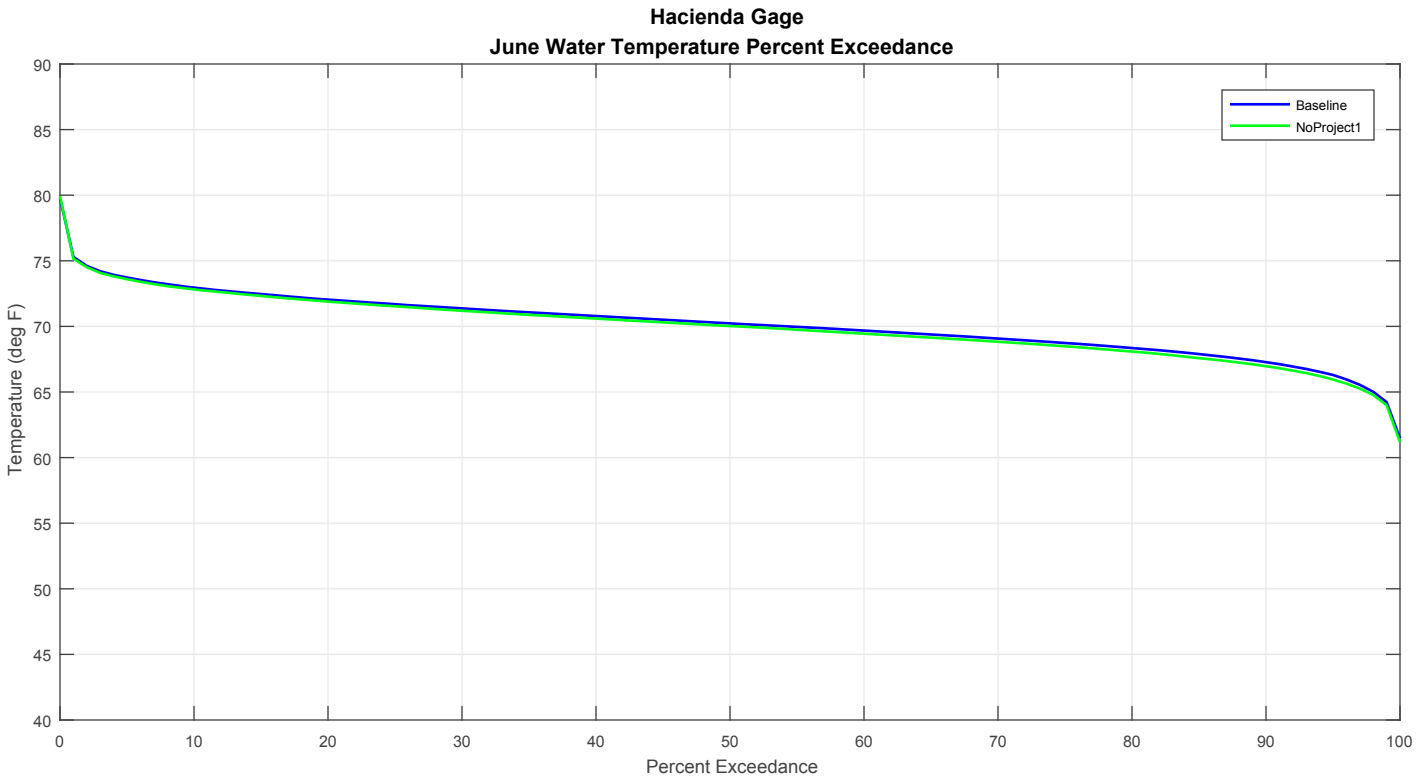
Hacienda Gage
June Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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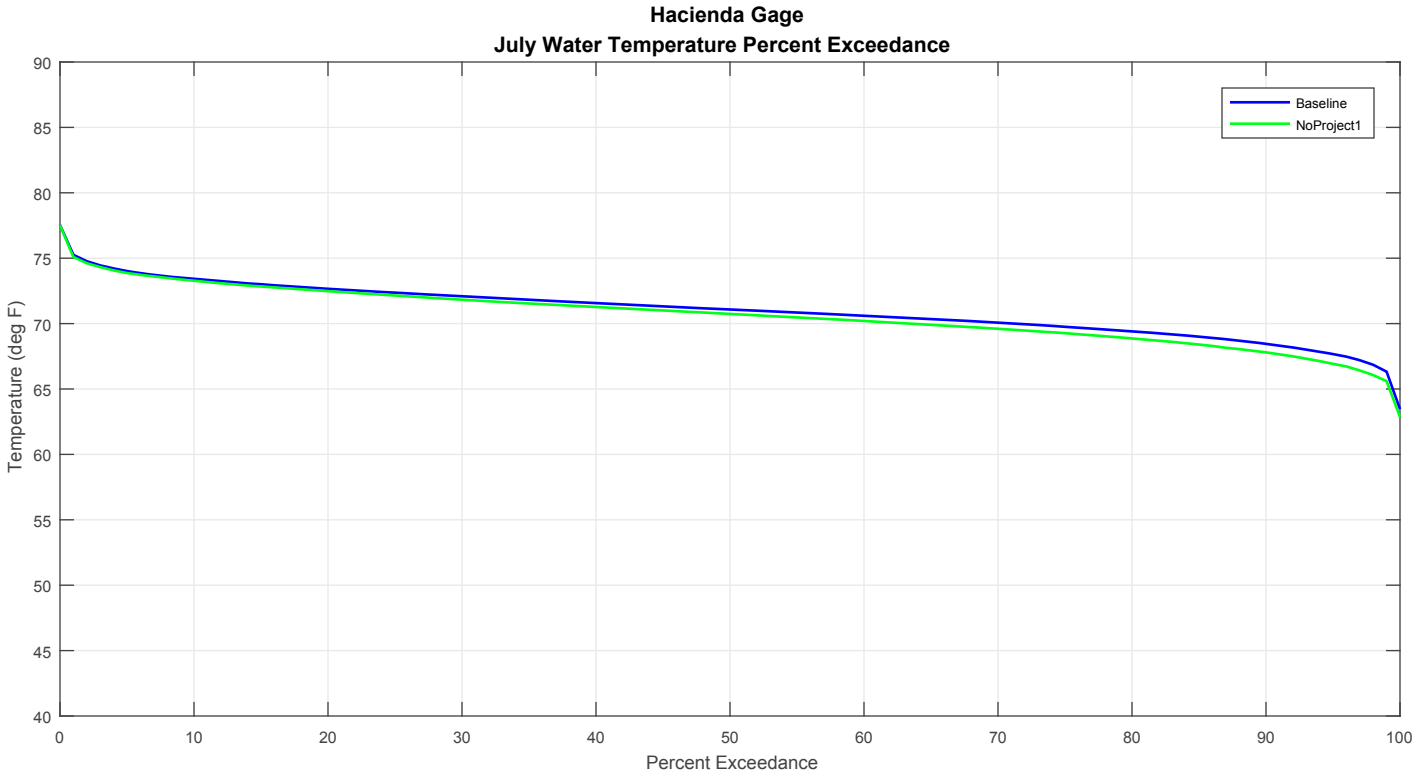
Hacienda Gage
July Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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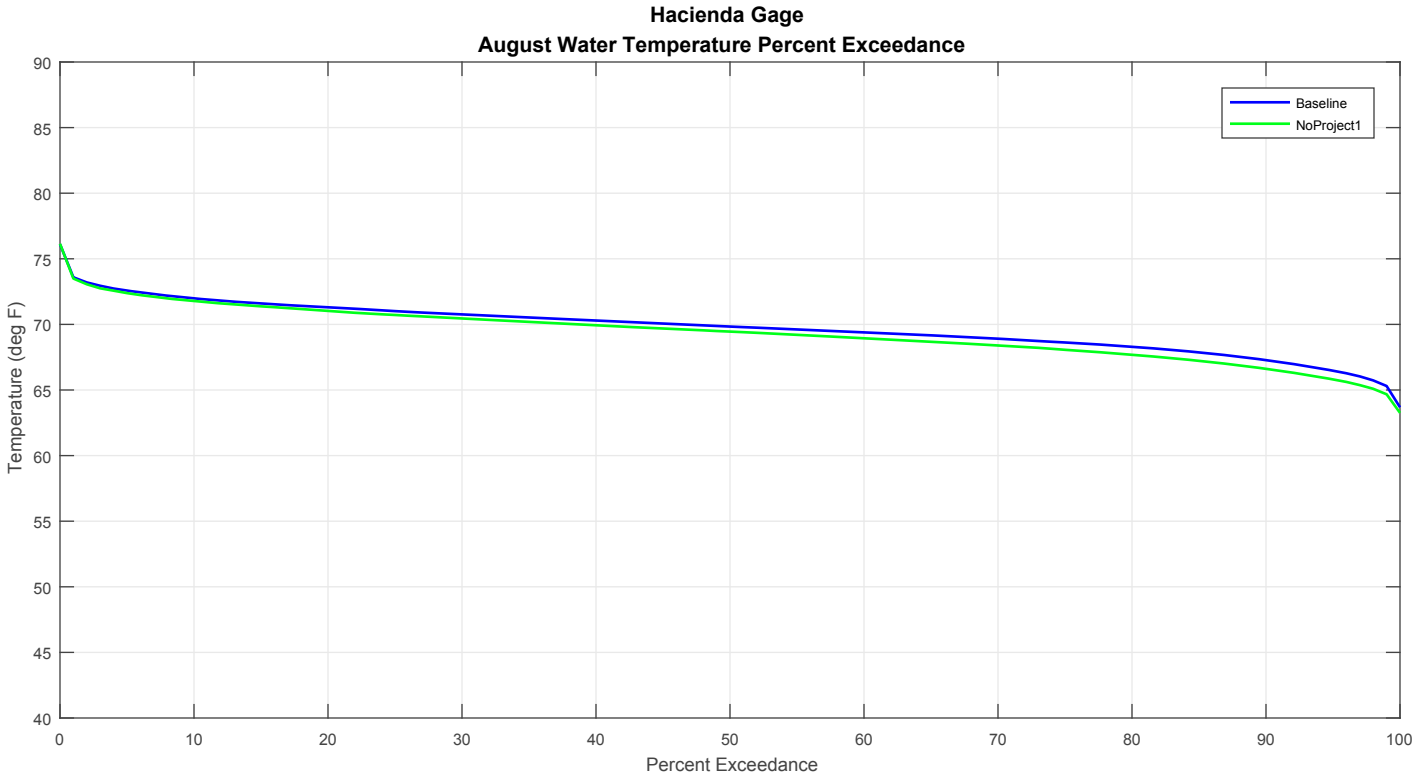
Hacienda Gage
August Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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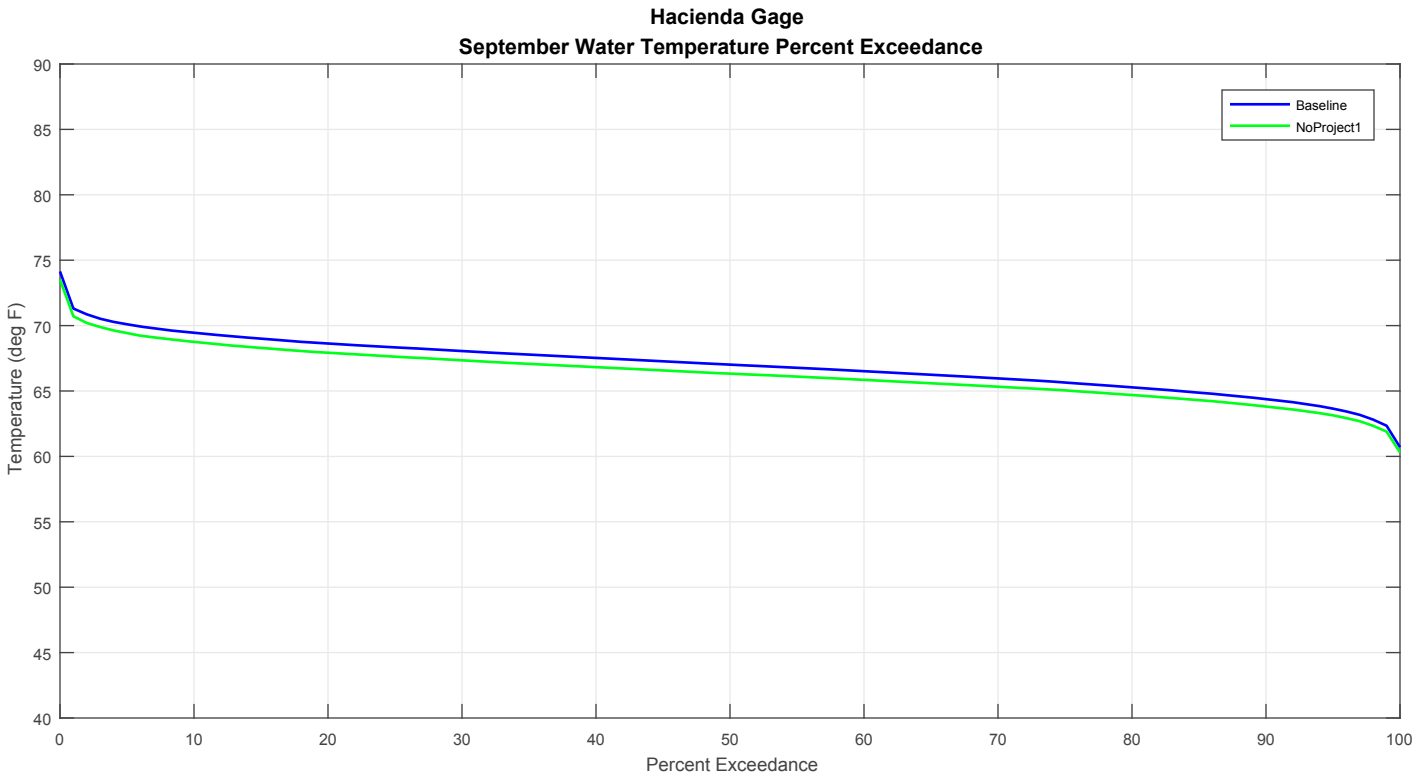
Hacienda Gage
September Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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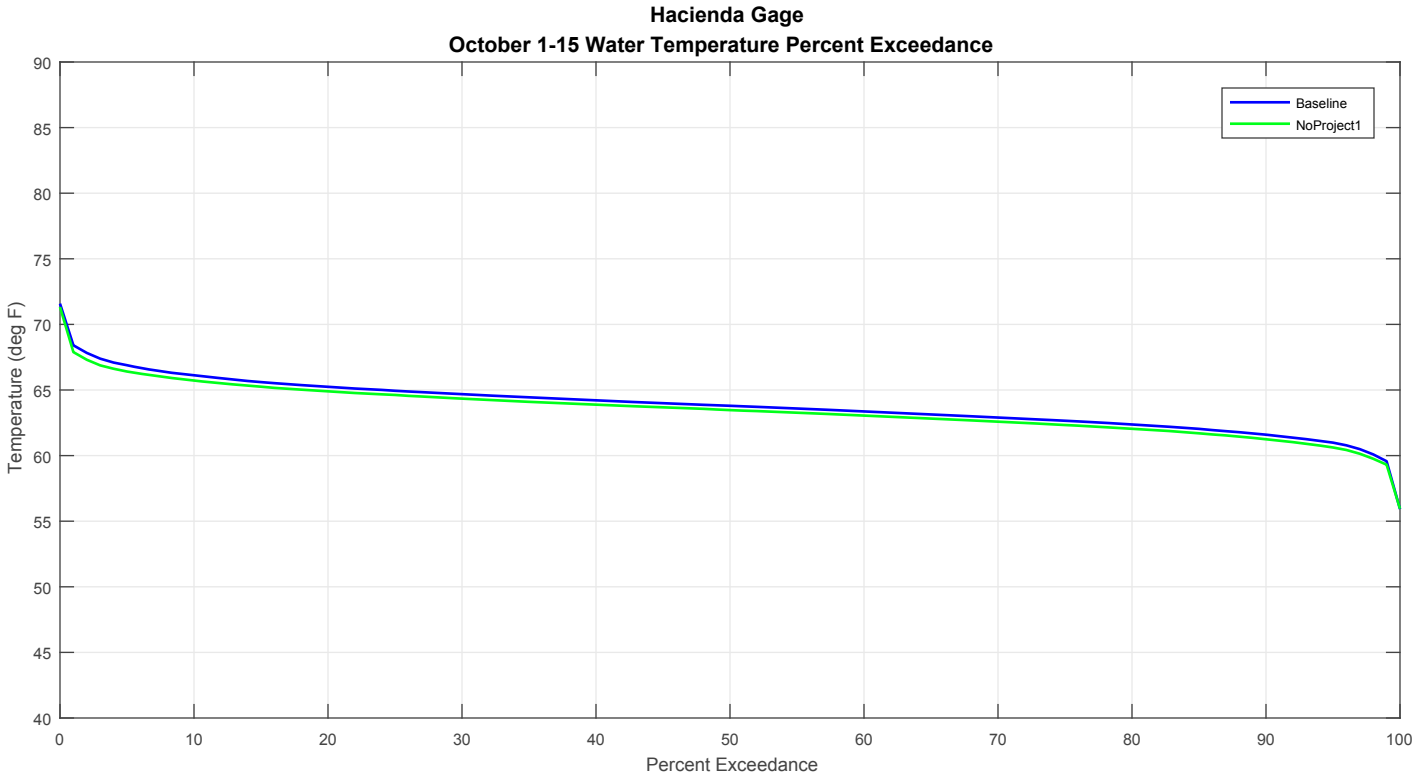
Hacienda Gage
October 1-15 Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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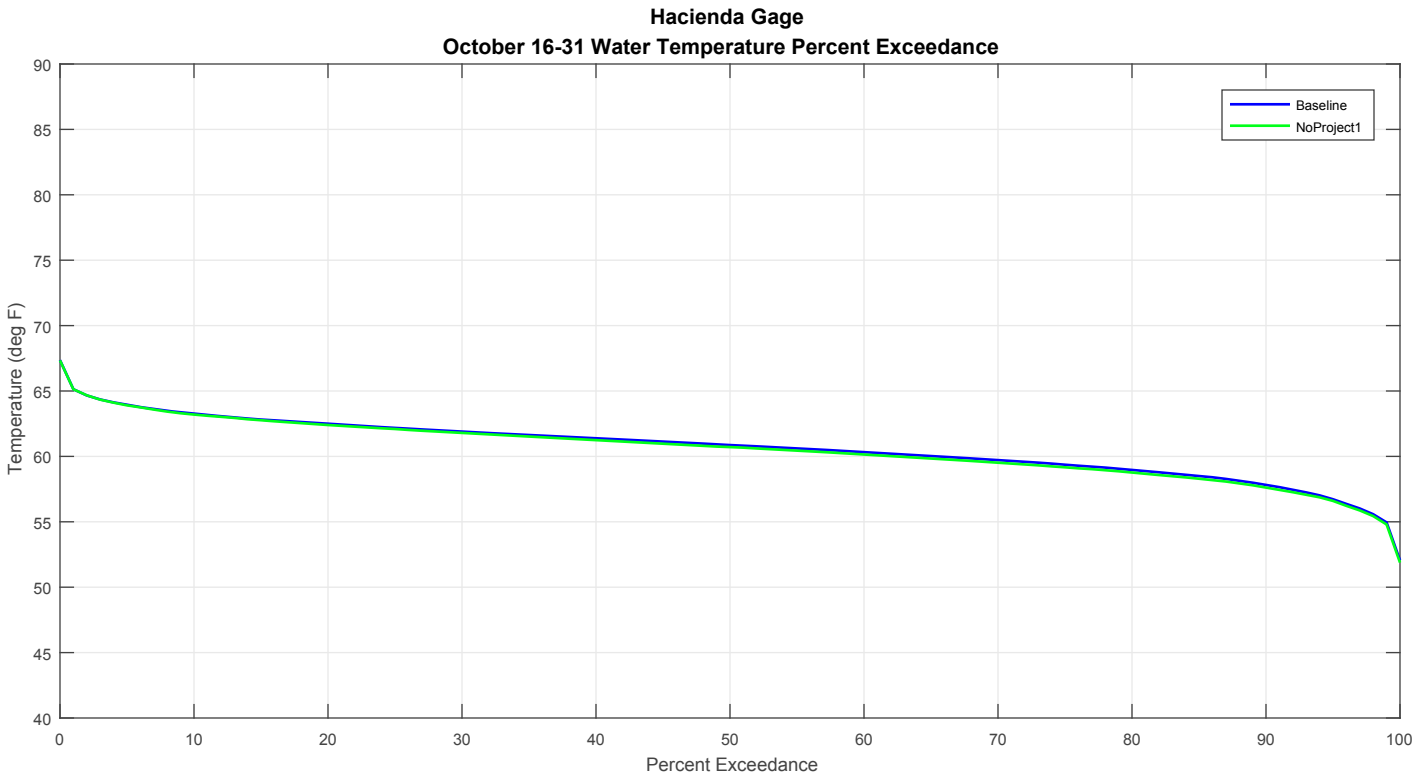
Hacienda Gage
October 16-31 Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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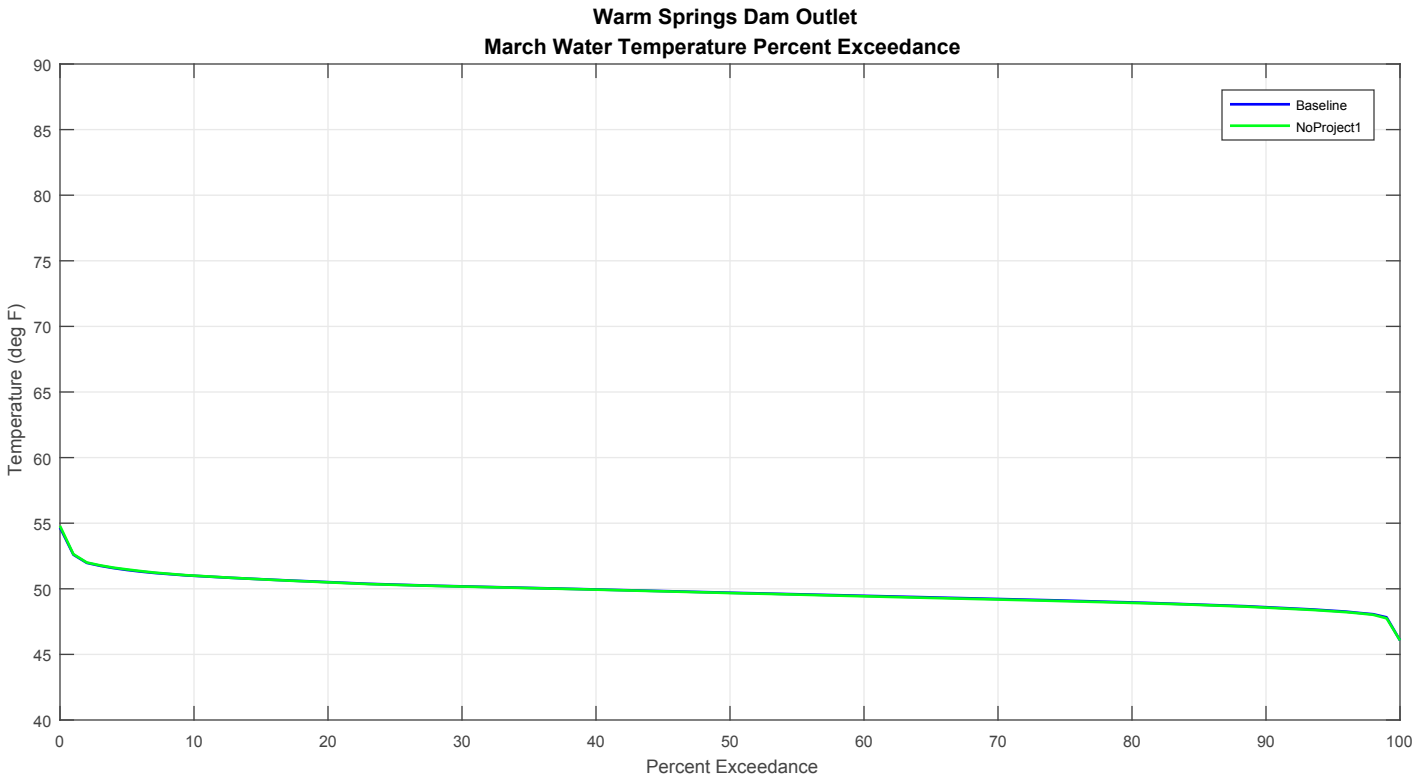
Warm Springs Dam Outlet
March Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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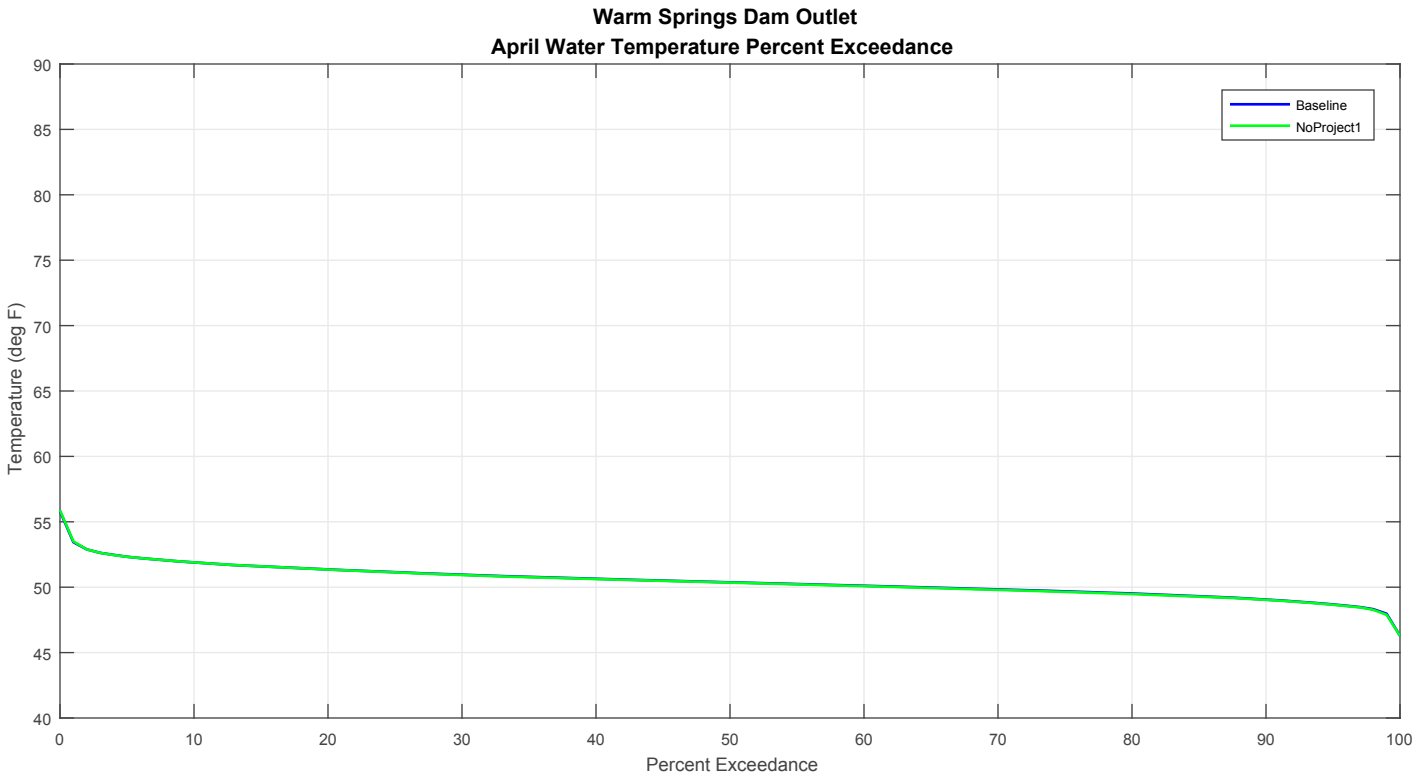
Warm Springs Dam Outlet
April Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
90
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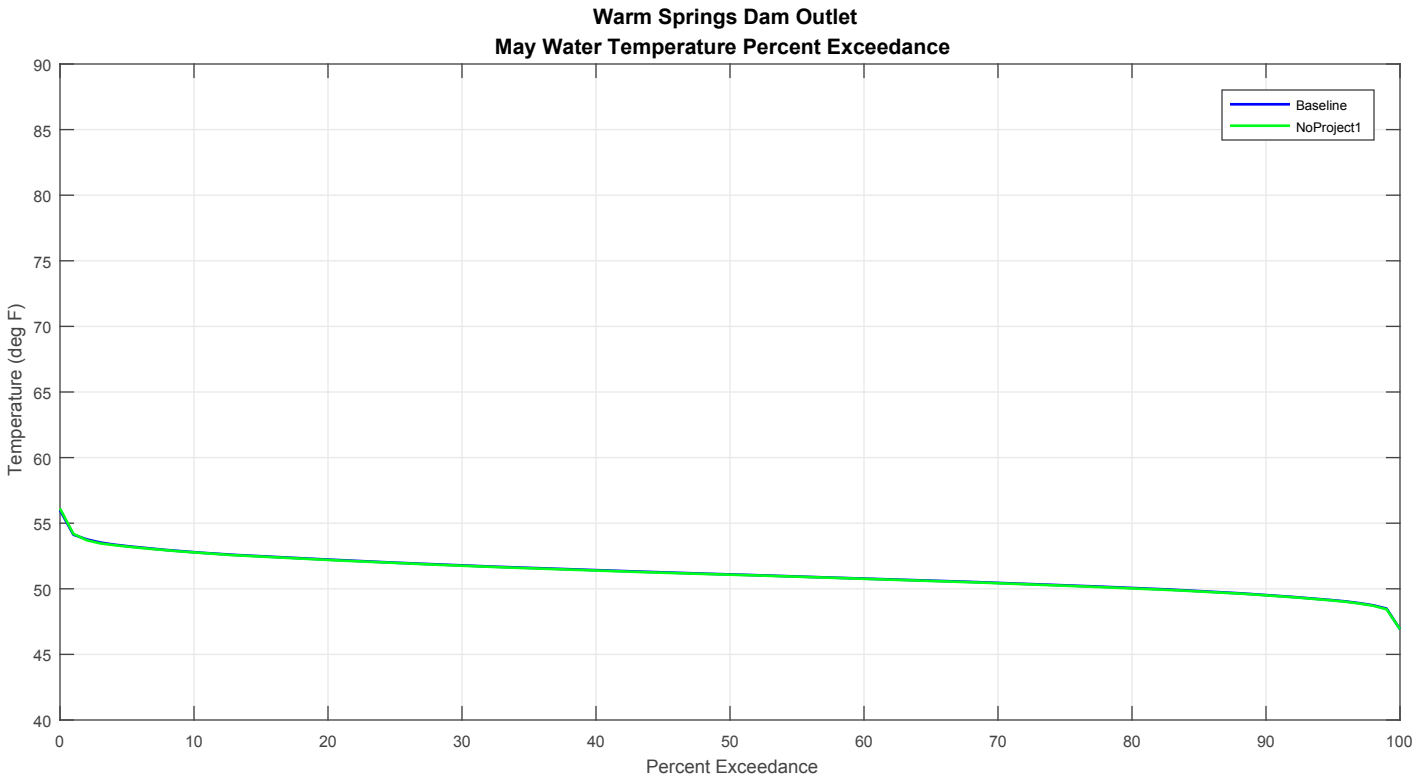
Warm Springs Dam Outlet
May Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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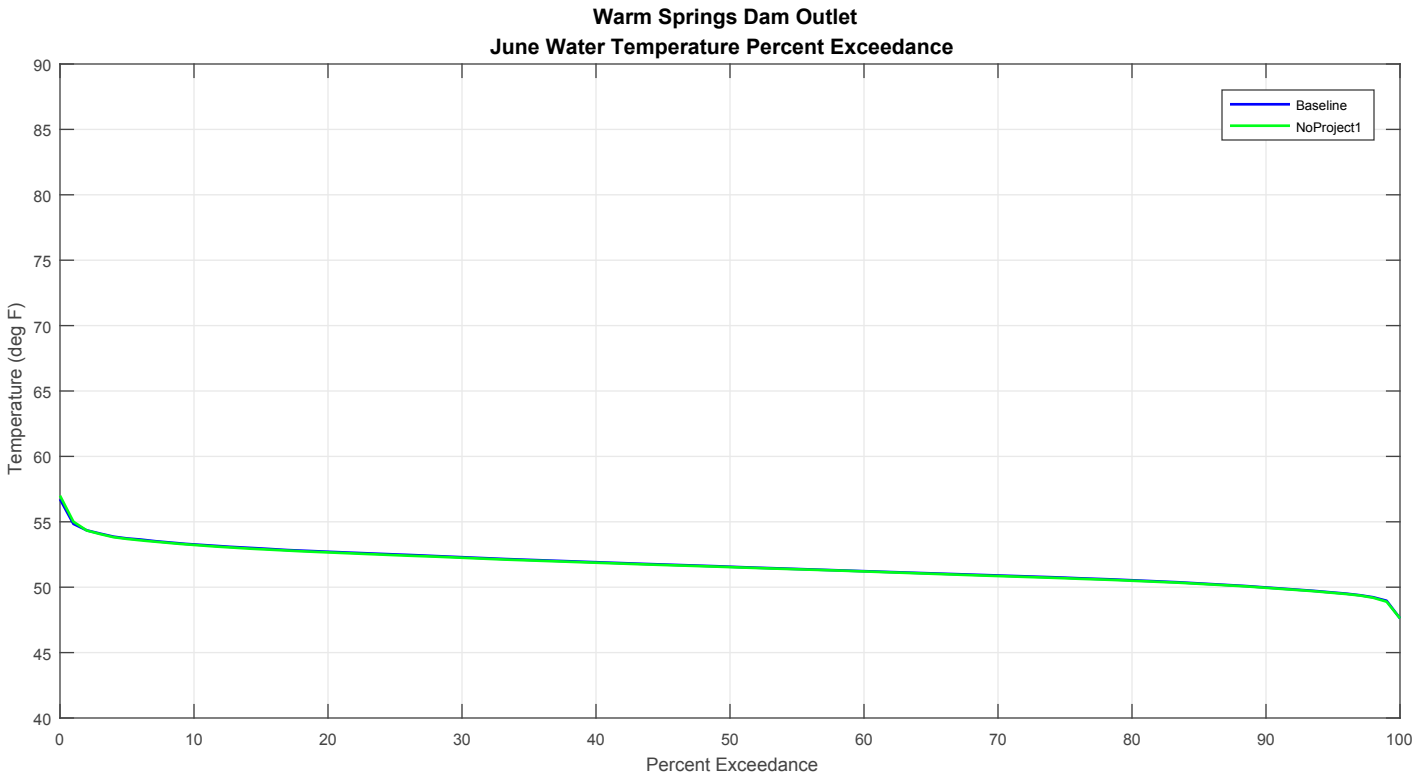
Warm Springs Dam Outlet
June Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
90
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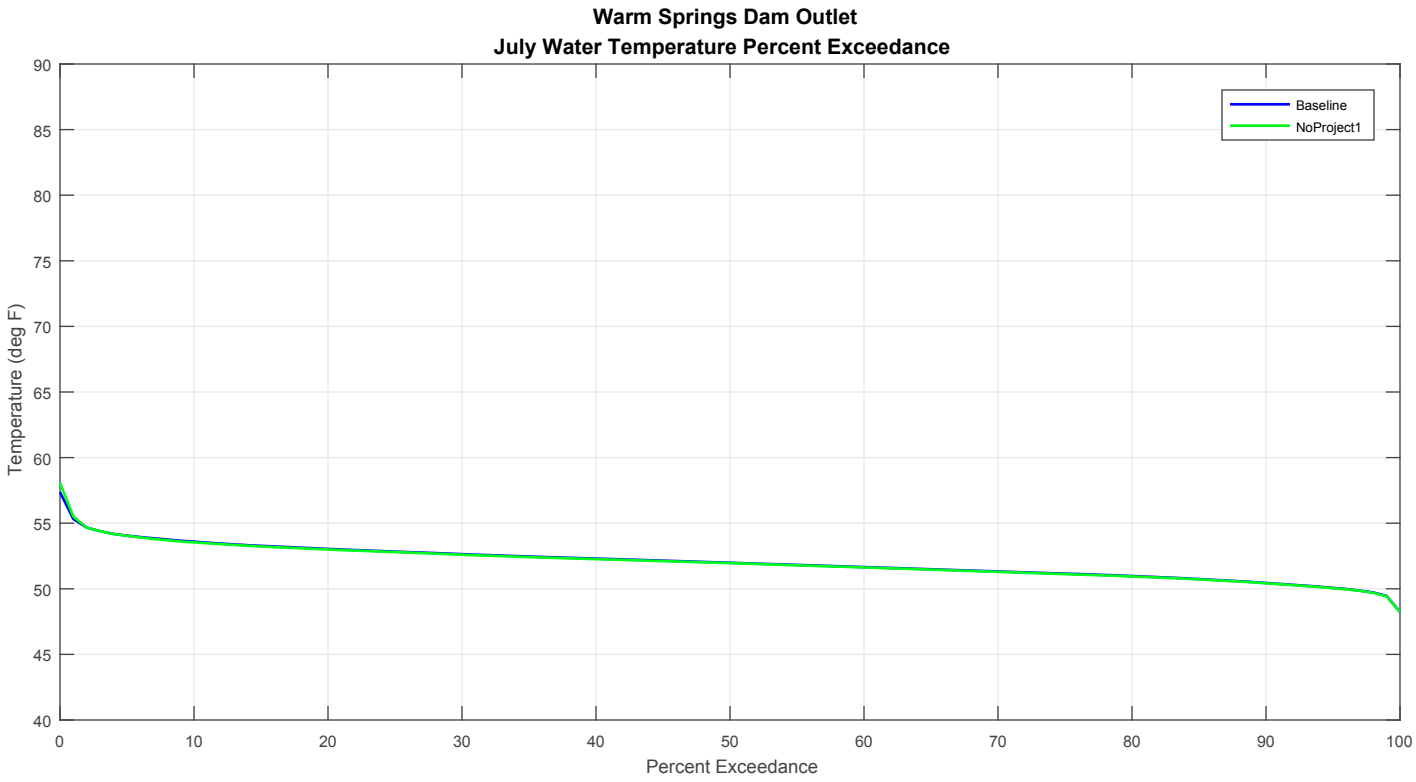
Warm Springs Dam Outlet
July Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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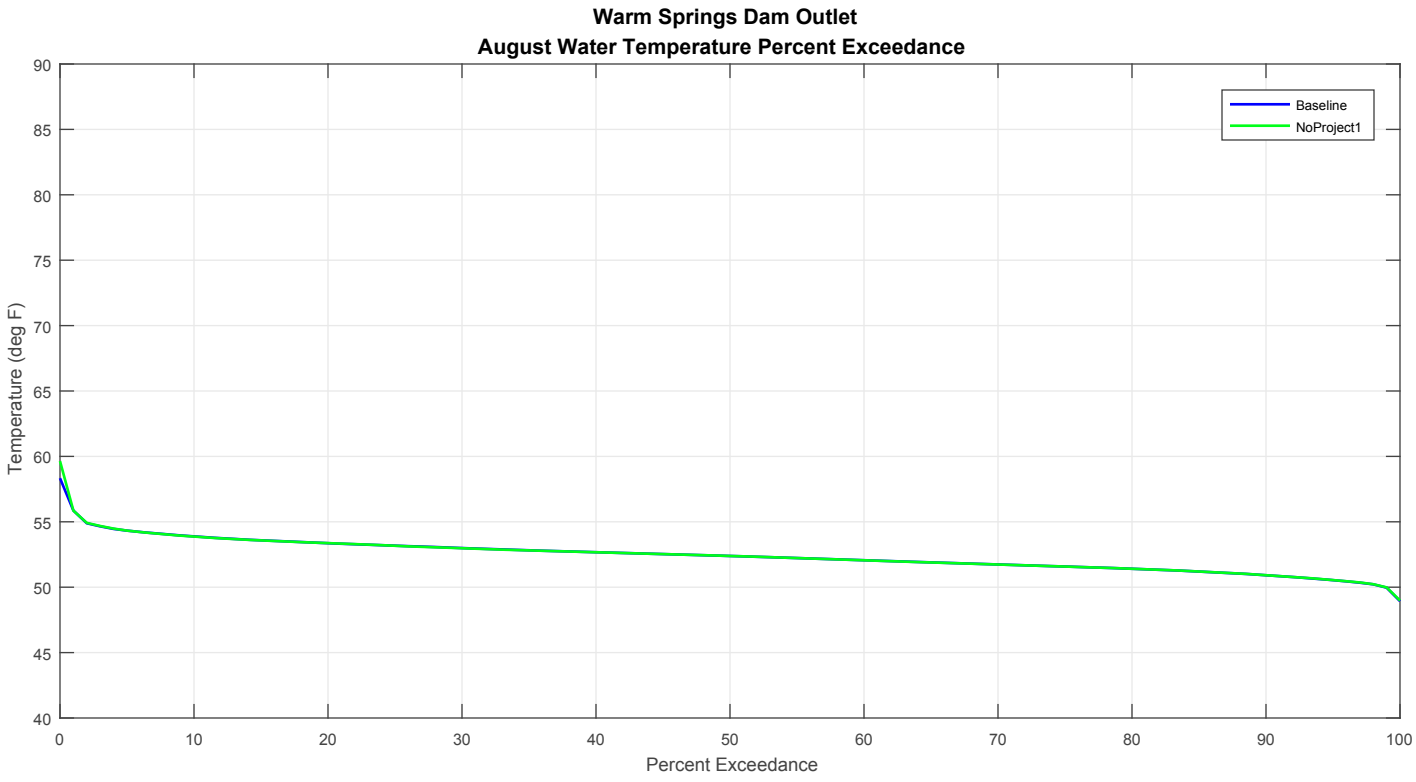
Warm Springs Dam Outlet
August Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
90
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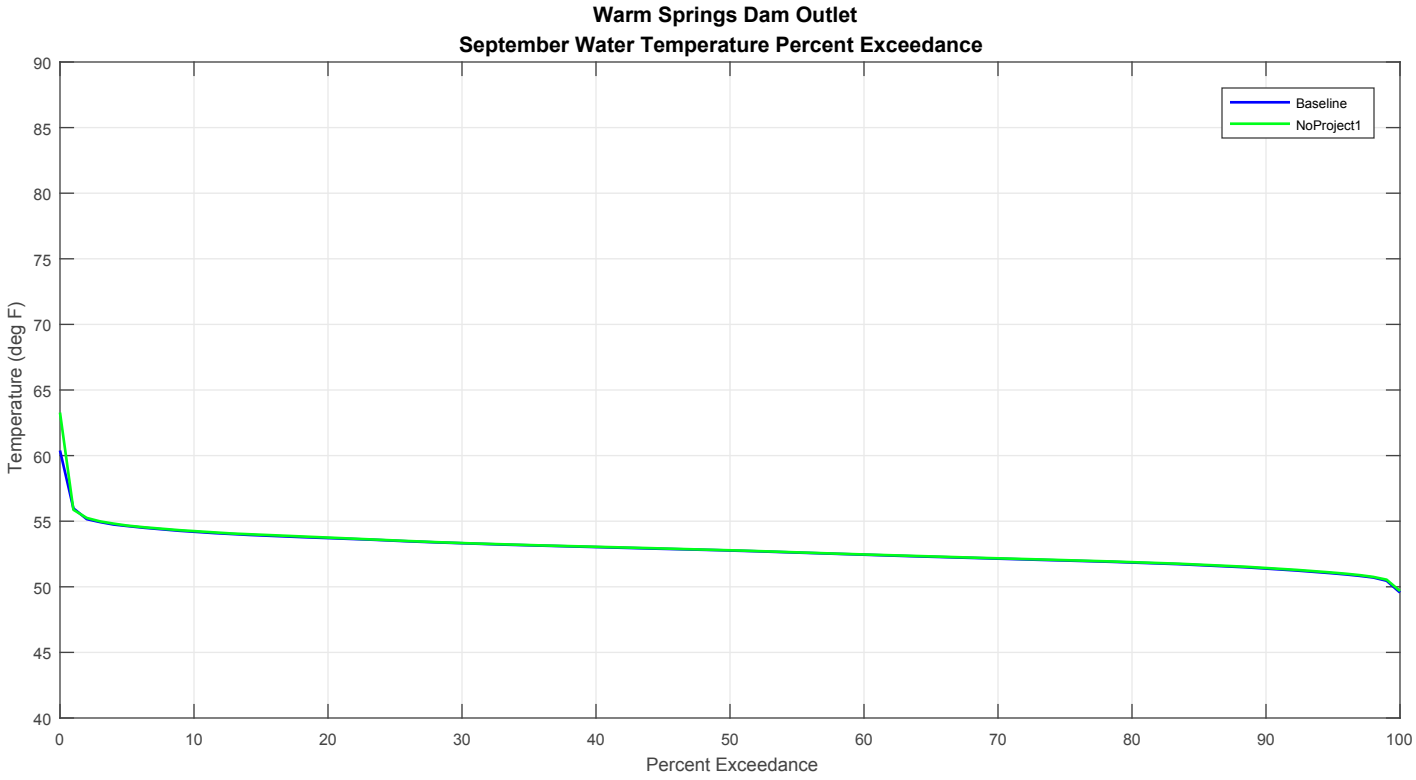
Warm Springs Dam Outlet
September Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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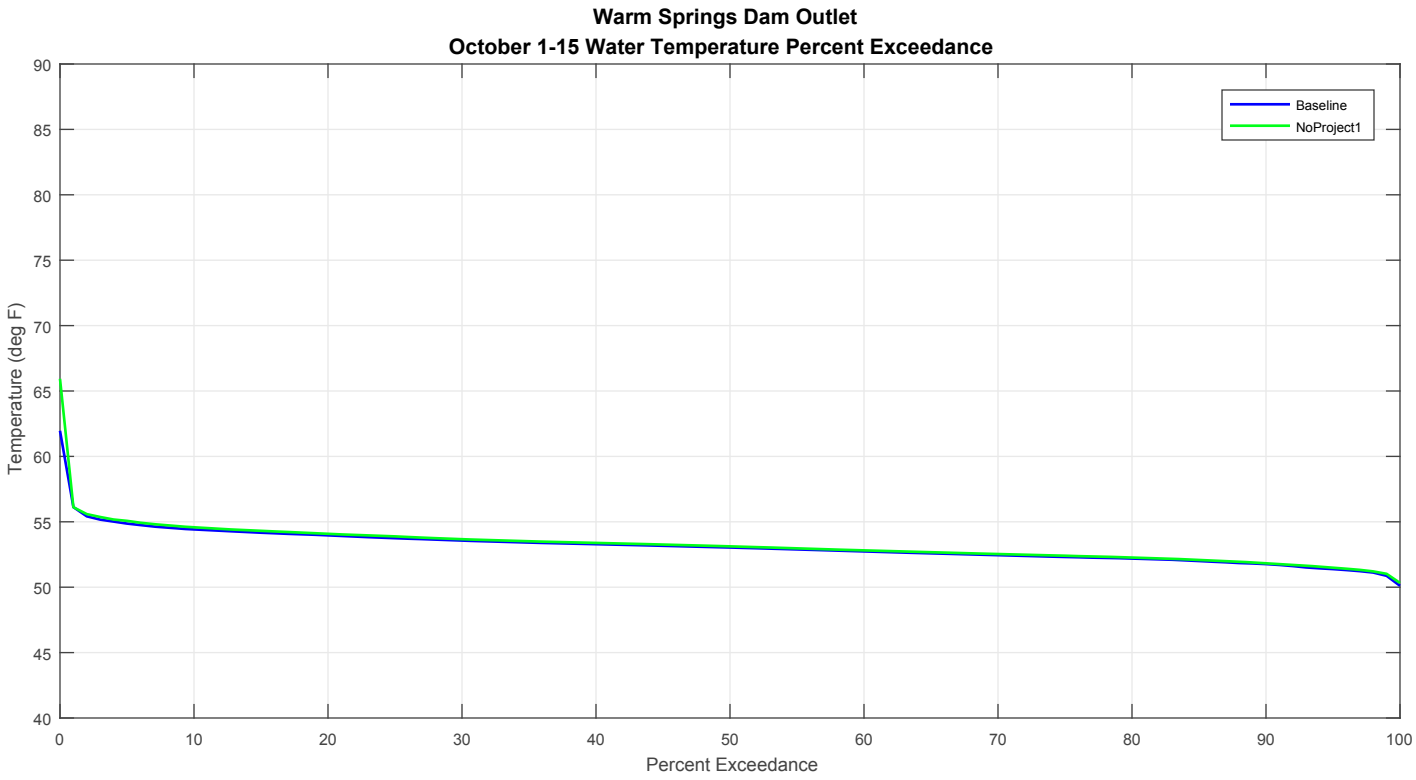
Warm Springs Dam Outlet
October 1-15 Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
90
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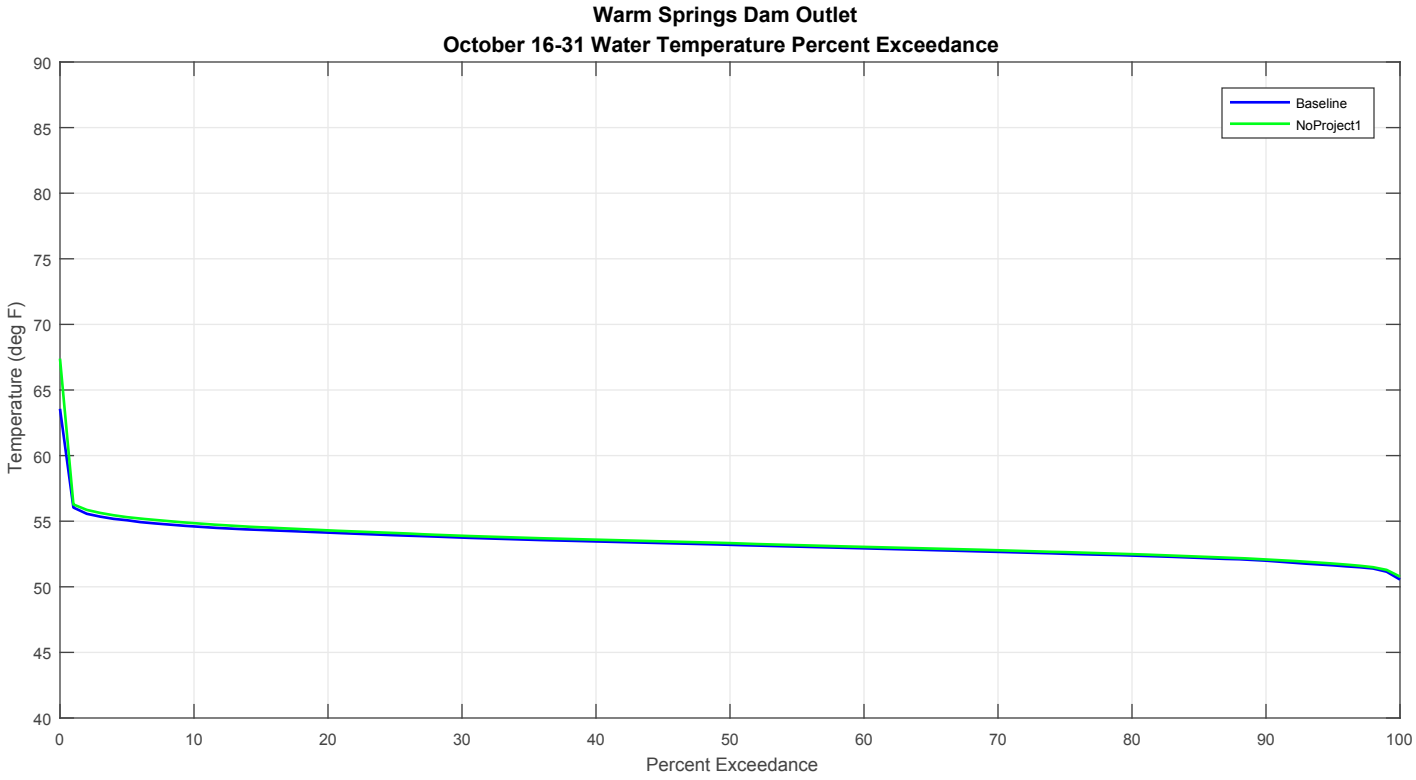
Warm Springs Dam Outlet
October 16-31 Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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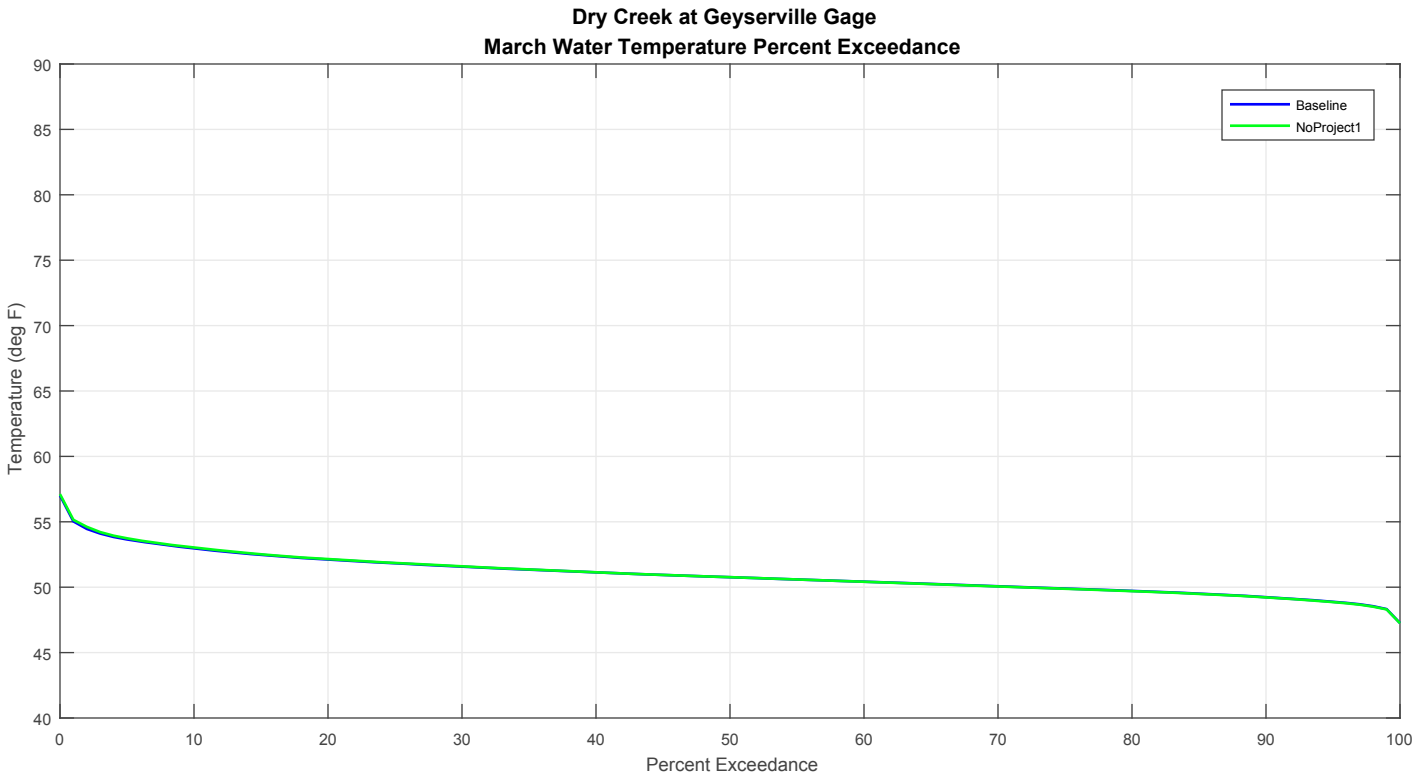
Dry Creek at Geyserville Gage
March Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
90
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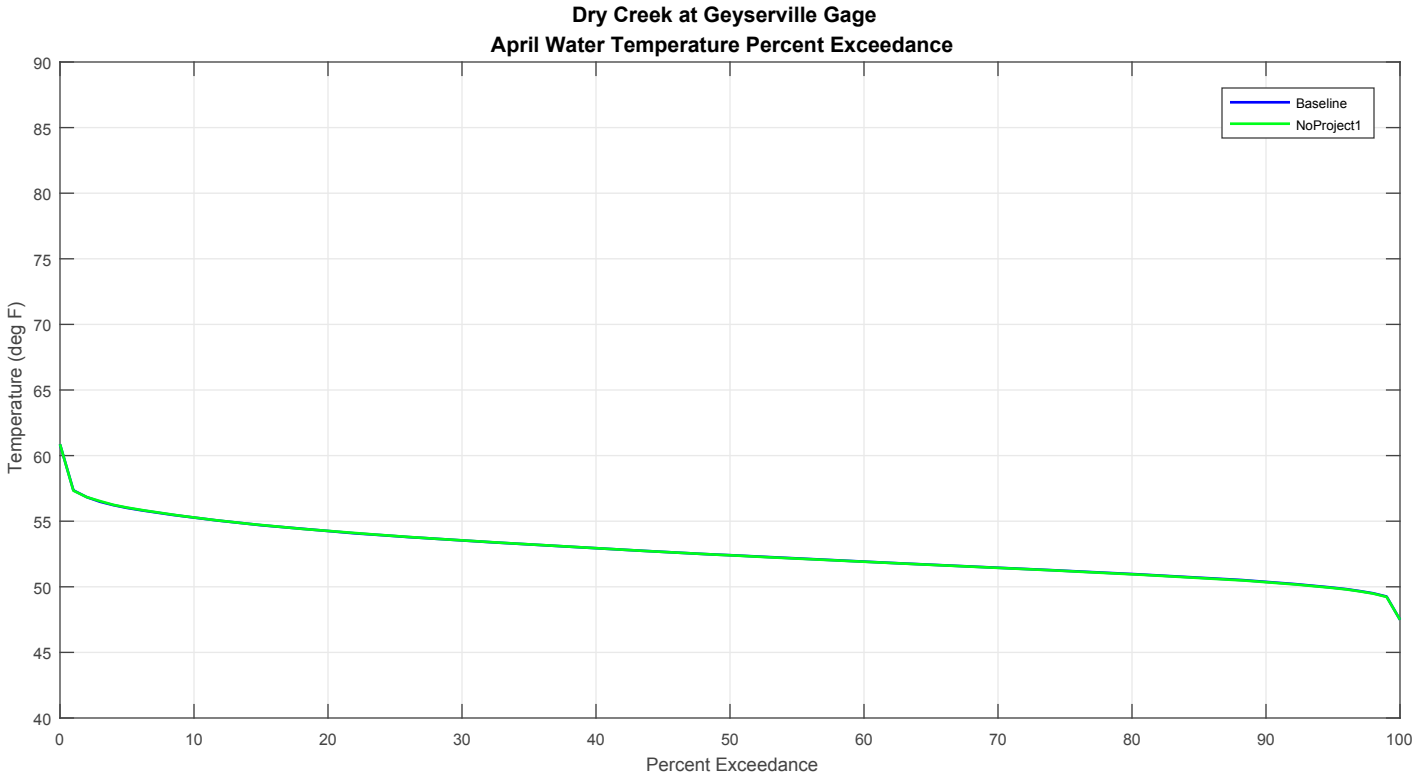
Dry Creek at Geyserville Gage
April Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
90
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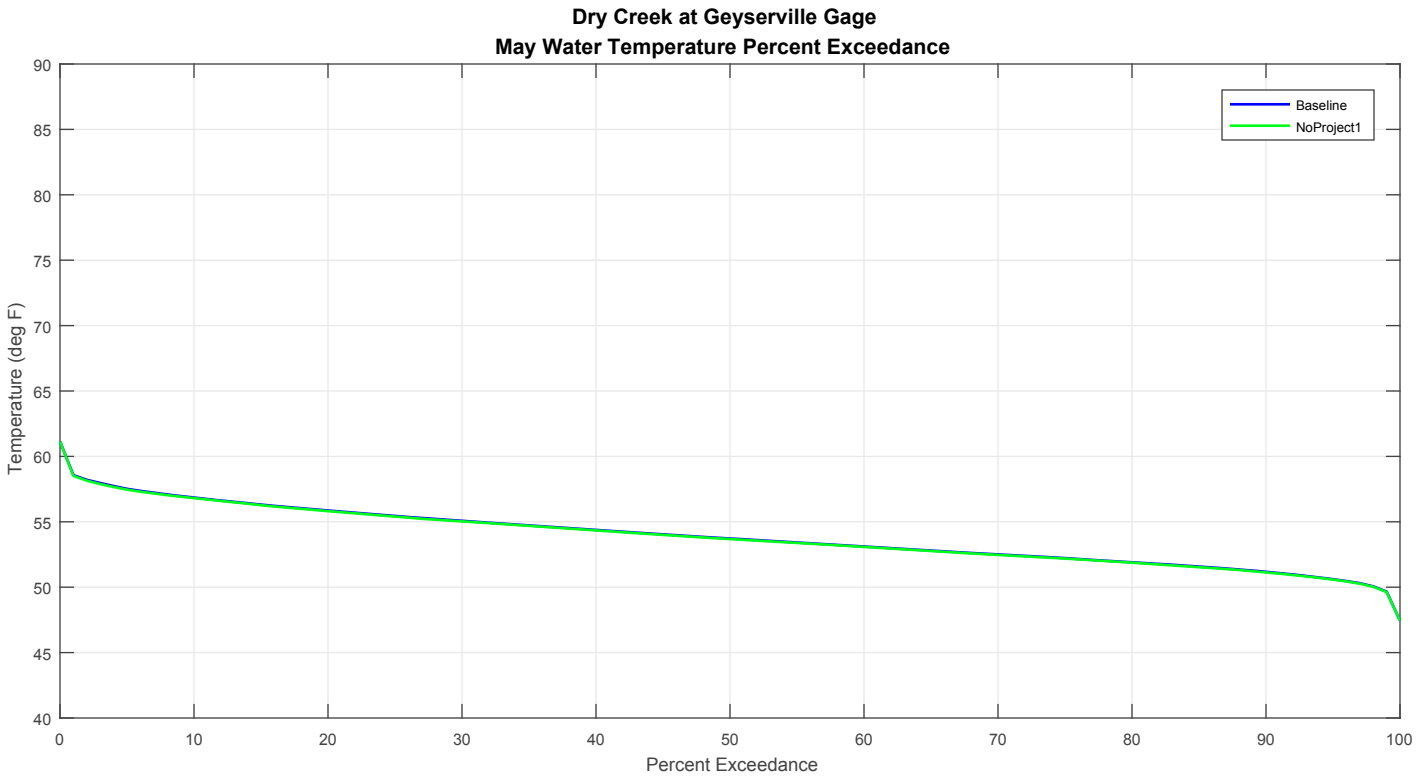
Dry Creek at Geyserville Gage
May Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
90
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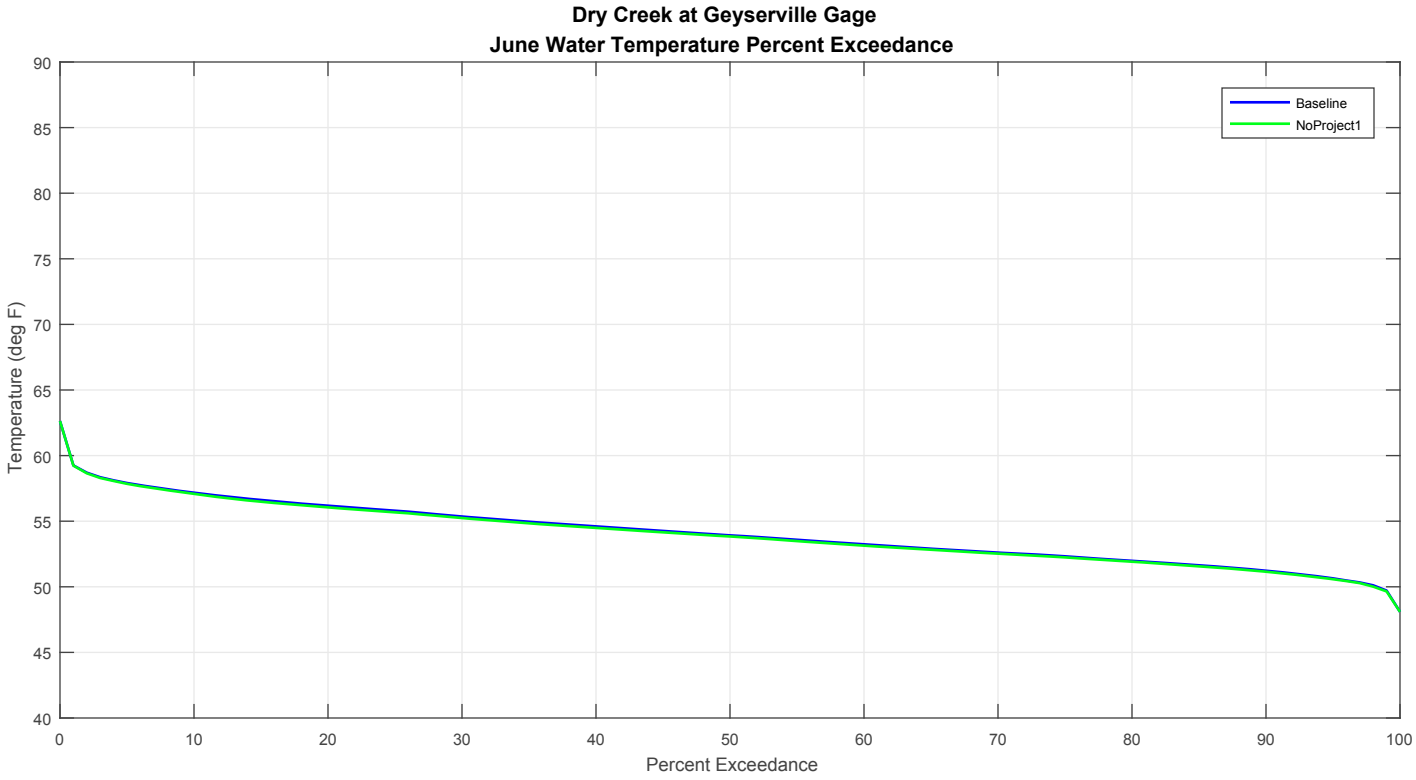
Dry Creek at Geyserville Gage
June Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
90
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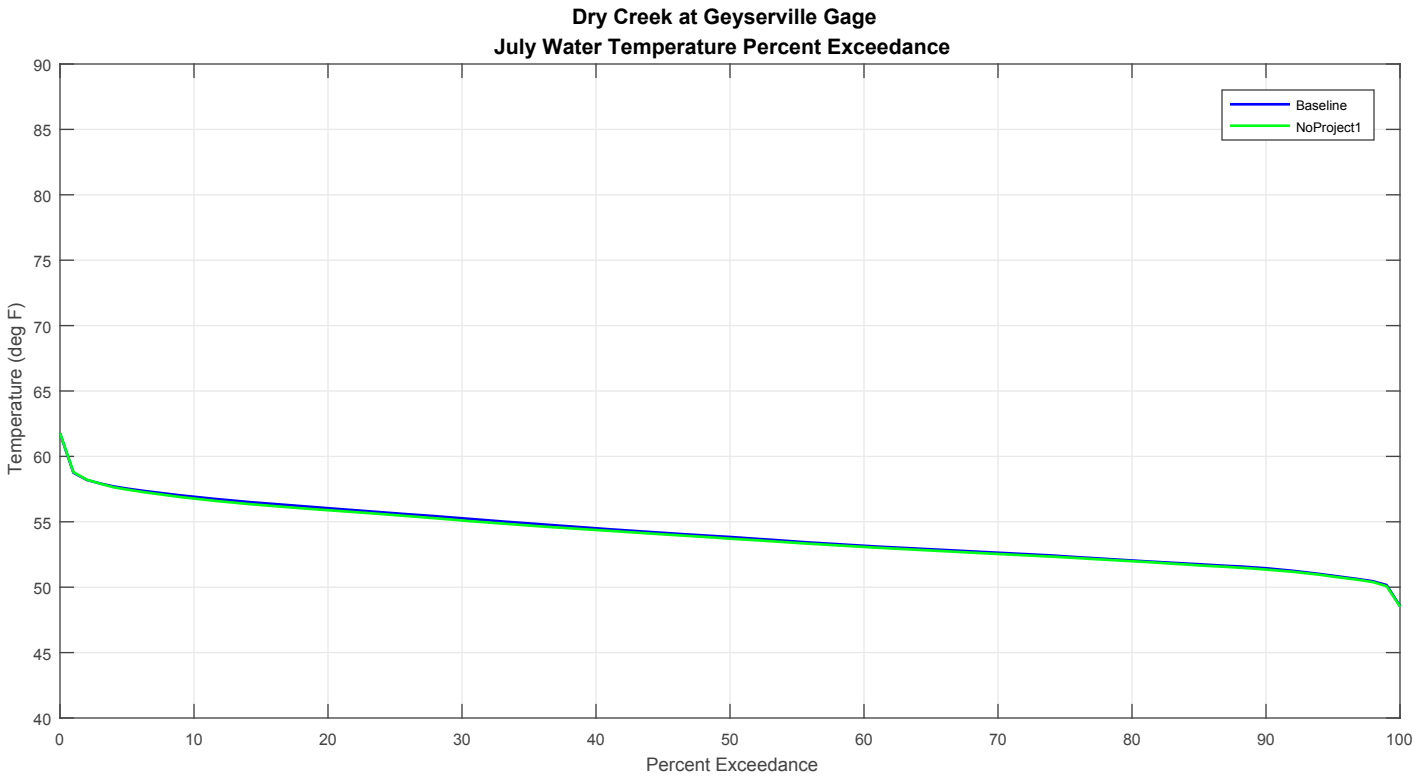
Dry Creek at Geyserville Gage
July Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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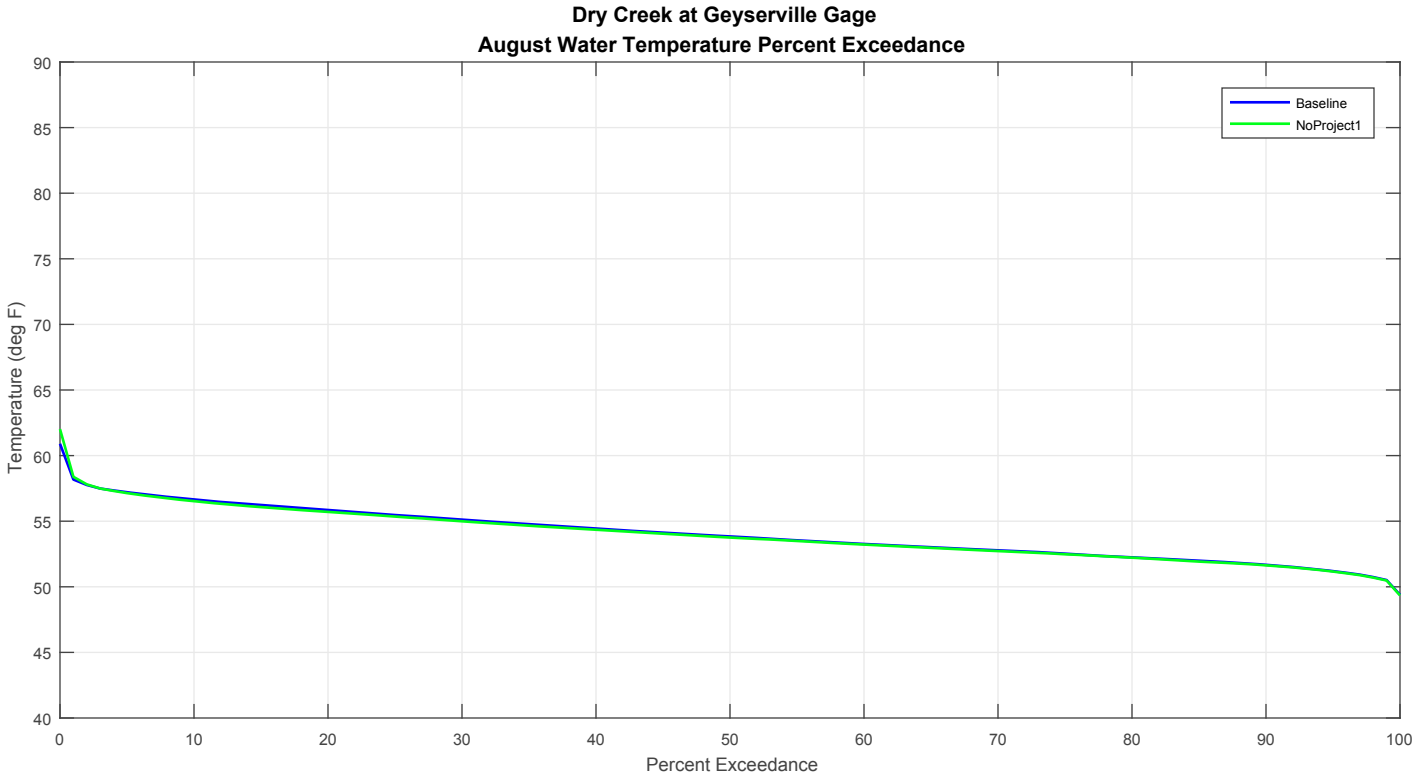
Dry Creek at Geyserville Gage
August Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
90
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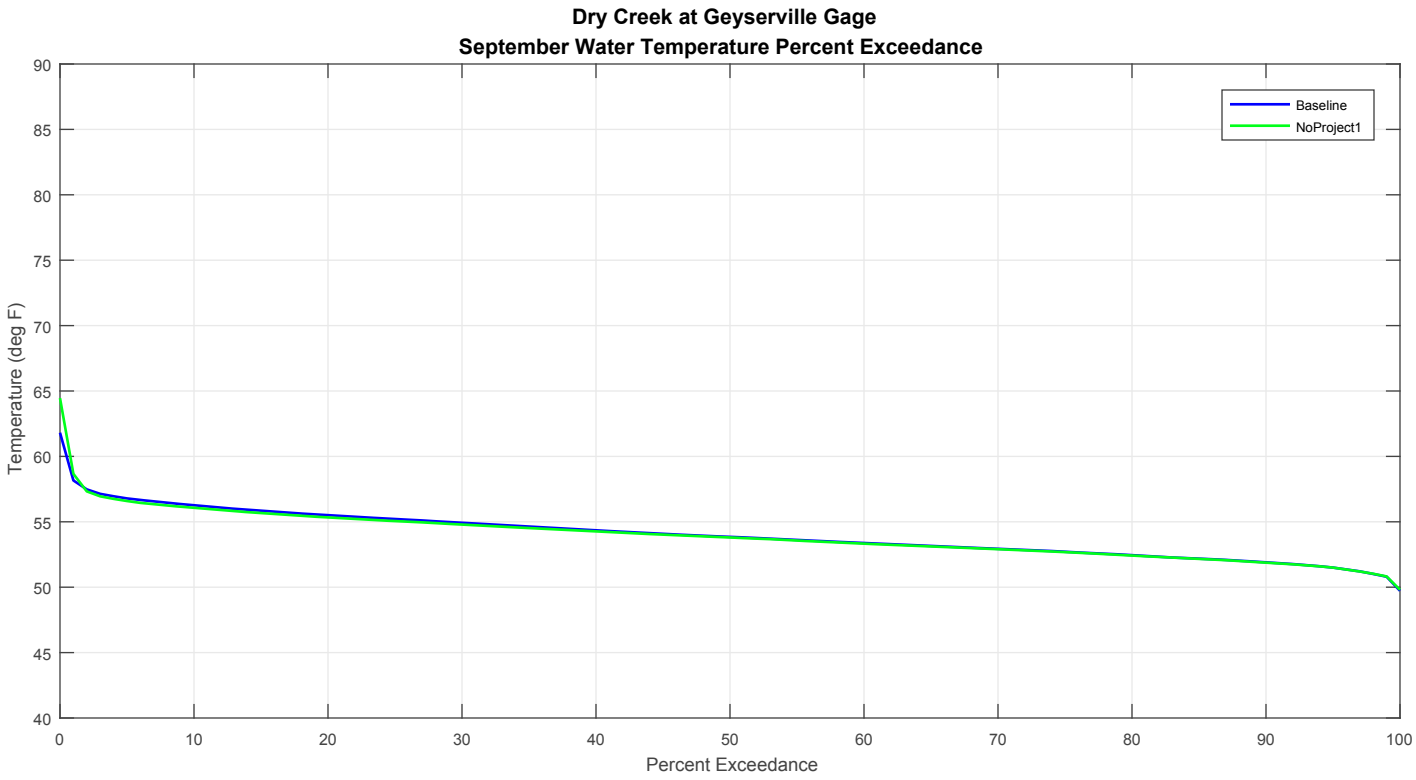
Dry Creek at Geyserville Gage
September Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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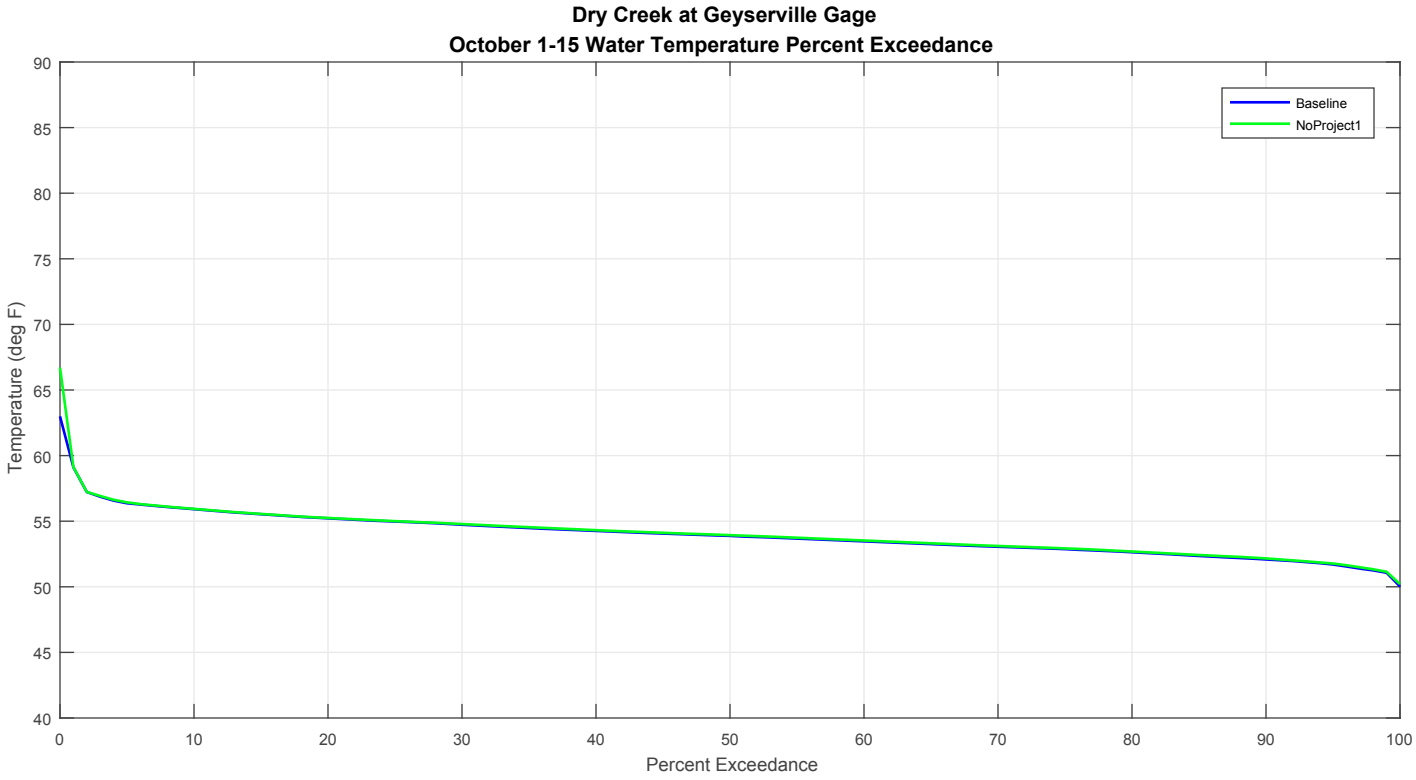
Dry Creek at Geyserville Gage
October 1-15 Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
90
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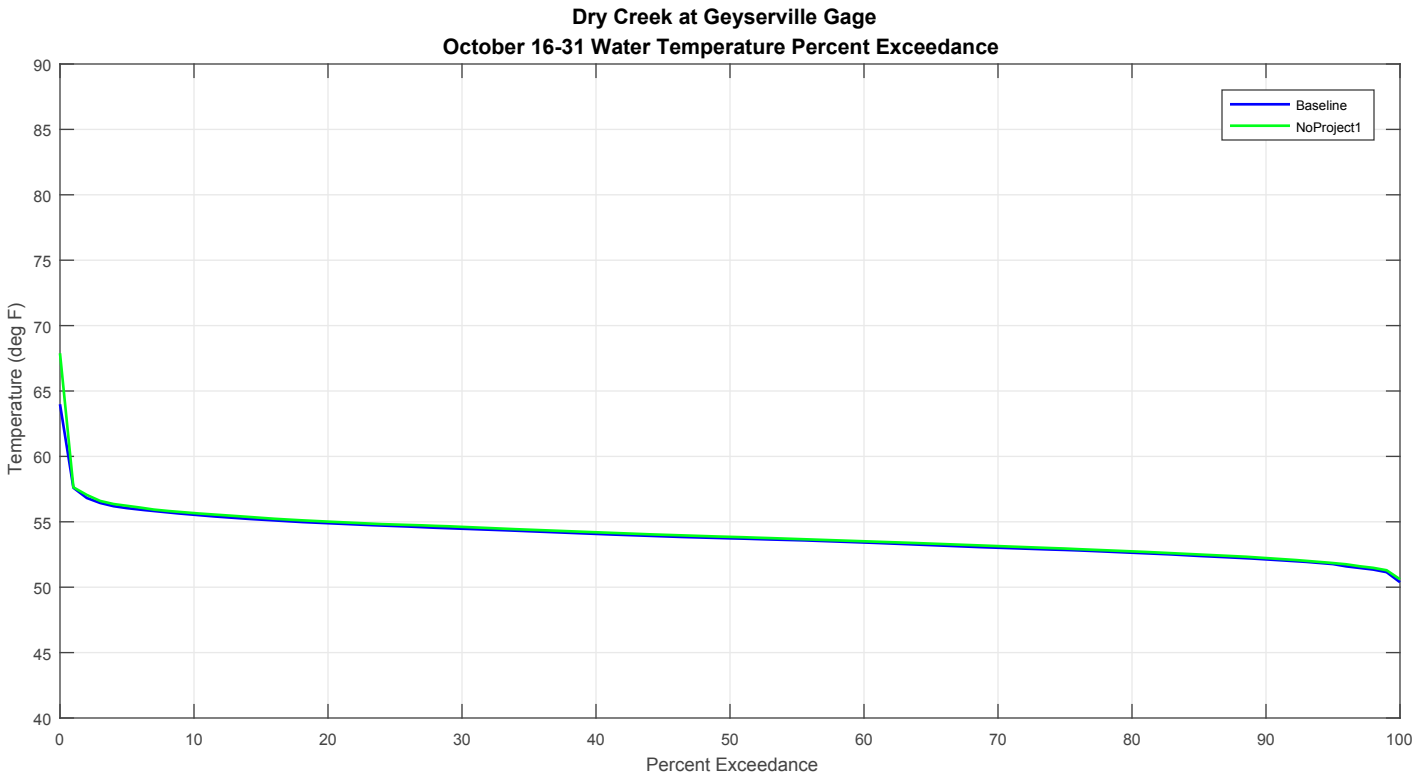
Dry Creek at Geyserville Gage
October 16-31 Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
90
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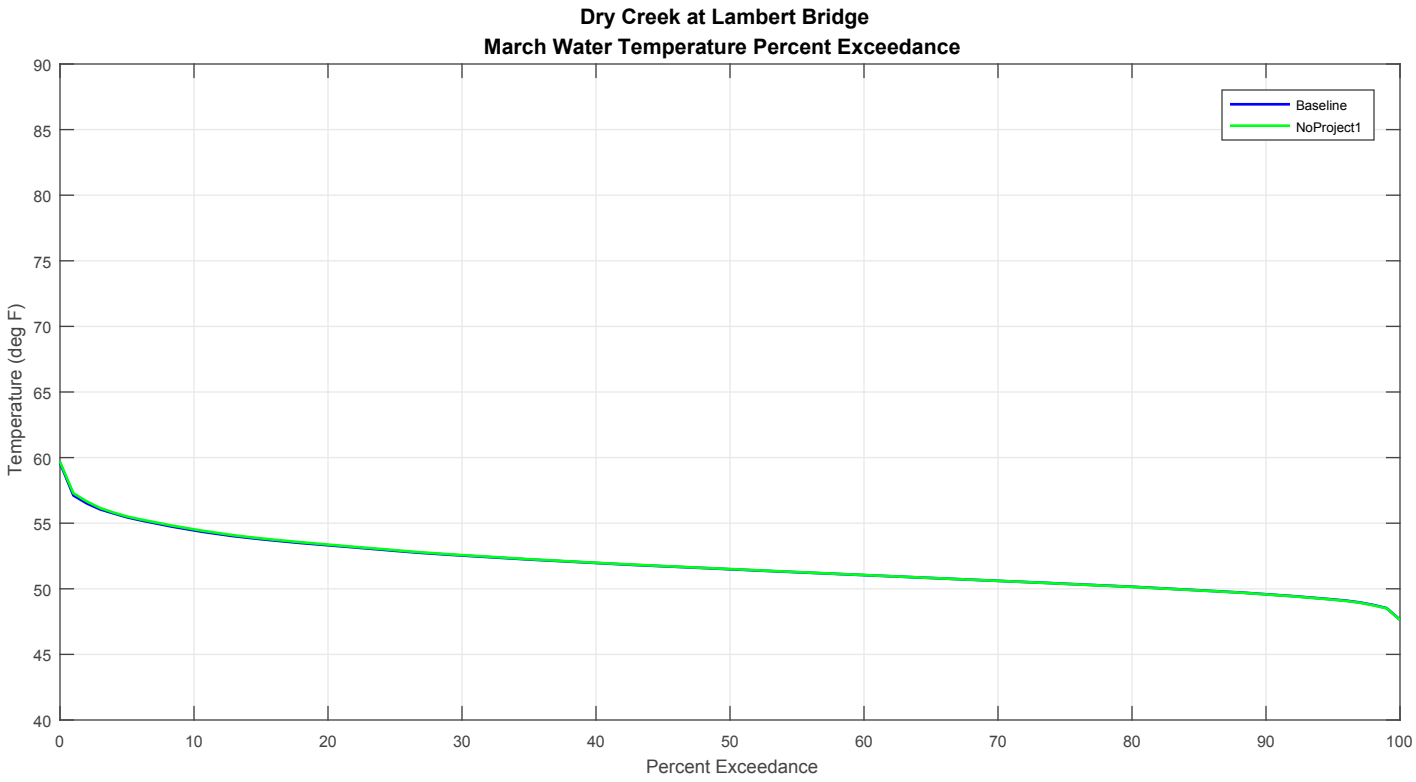
Dry Creek at Lambert Bridge
March Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
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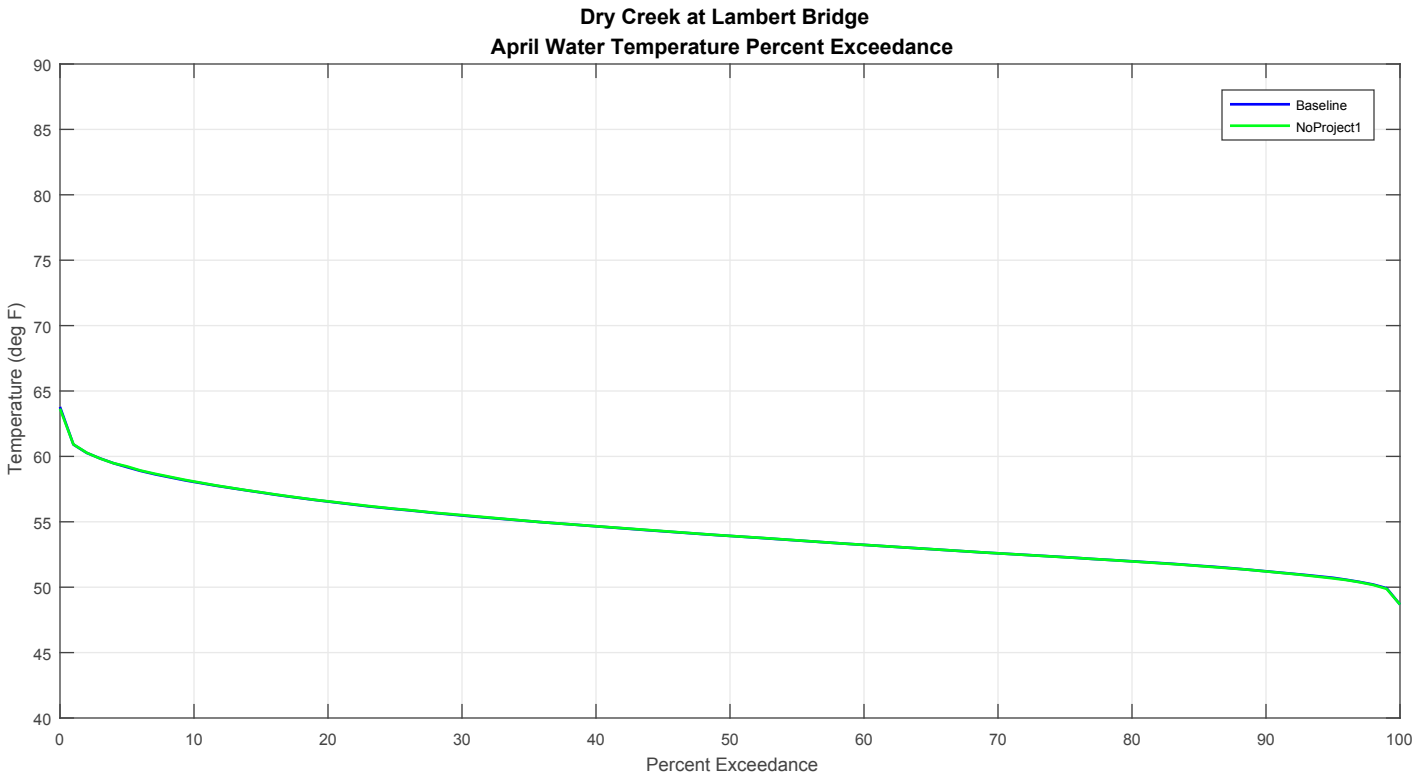
Dry Creek at Lambert Bridge
April Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
90
85
80
75
70
65
60
55
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45
40
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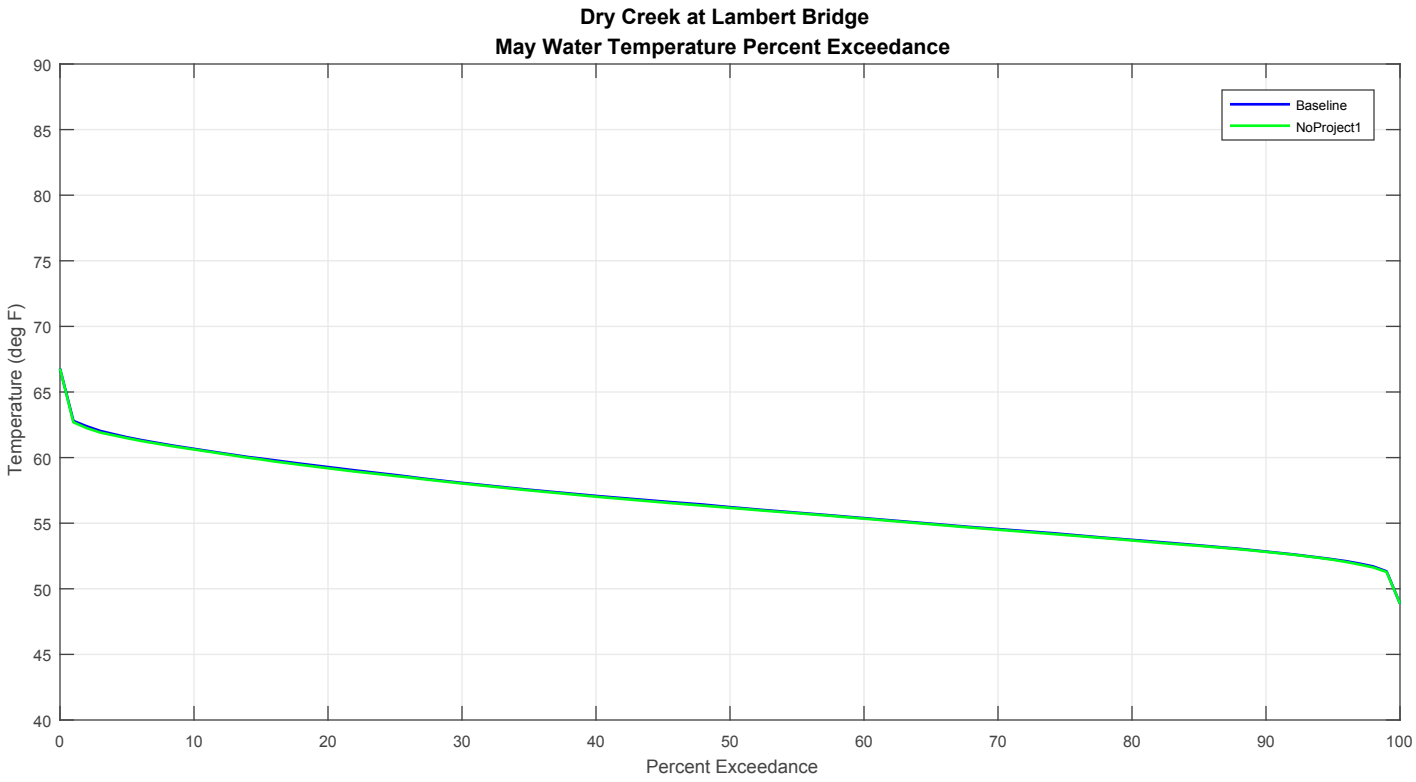
Dry Creek at Lambert Bridge
May Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
90
85
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75
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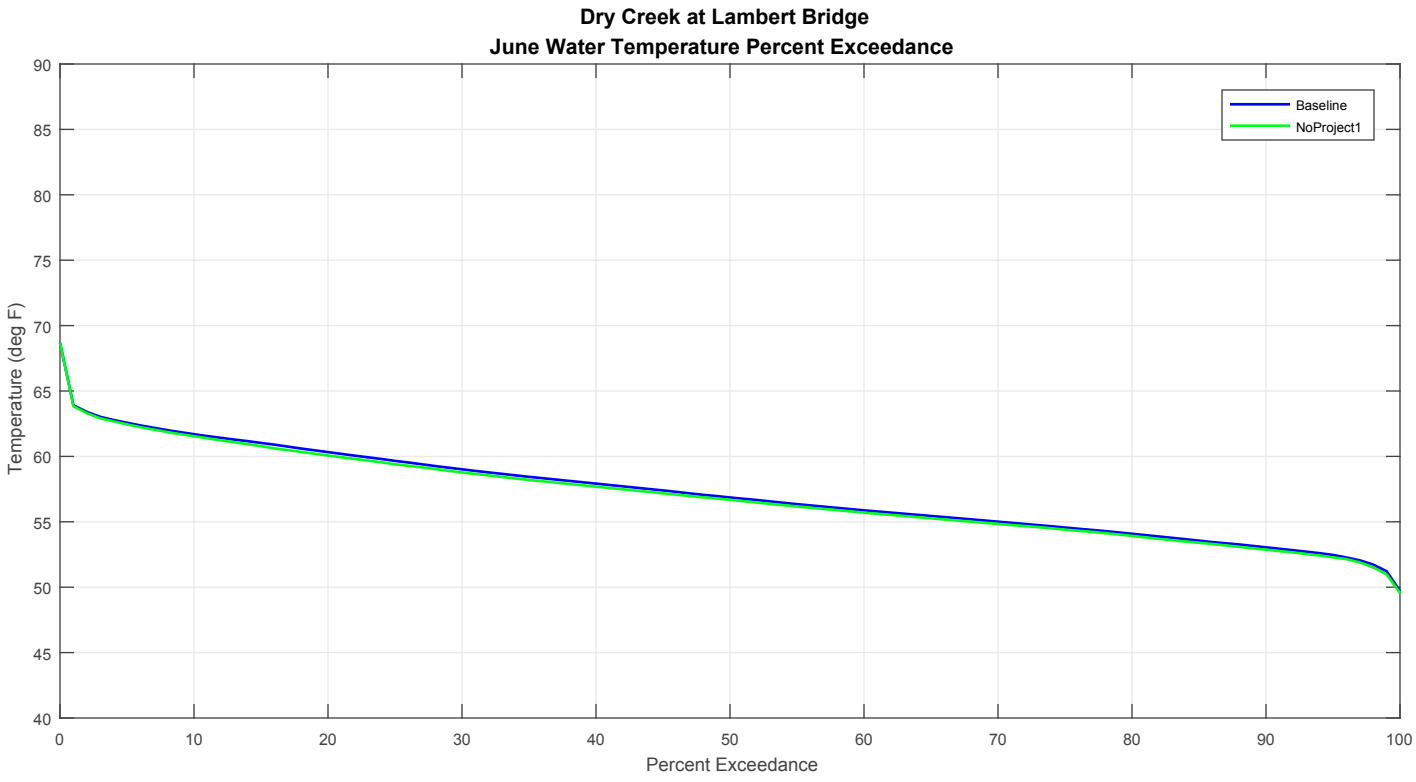
Dry Creek at Lambert Bridge
June Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
90
85
80
75
70
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60
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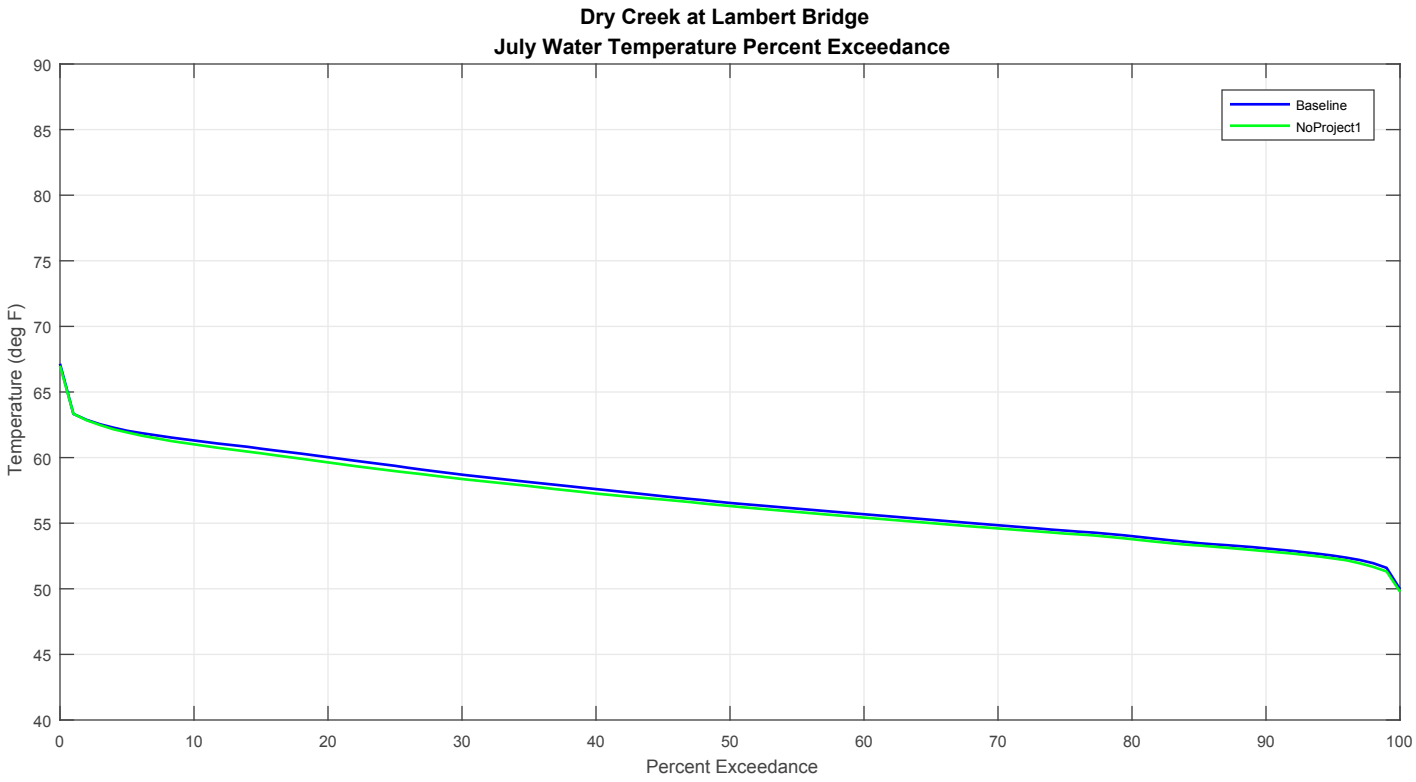
Dry Creek at Lambert Bridge
July Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
90
85
80
75
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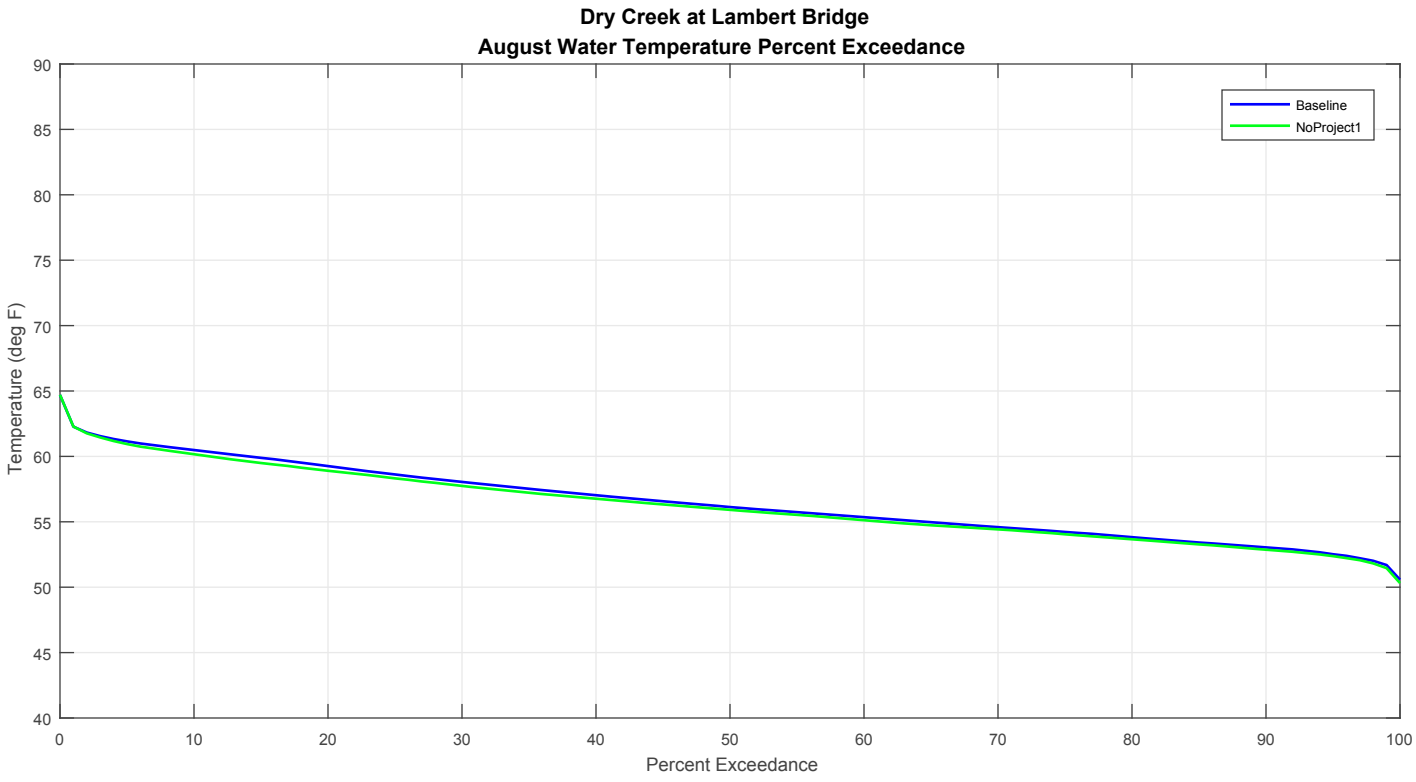
Dry Creek at Lambert Bridge
August Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
90
85
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75
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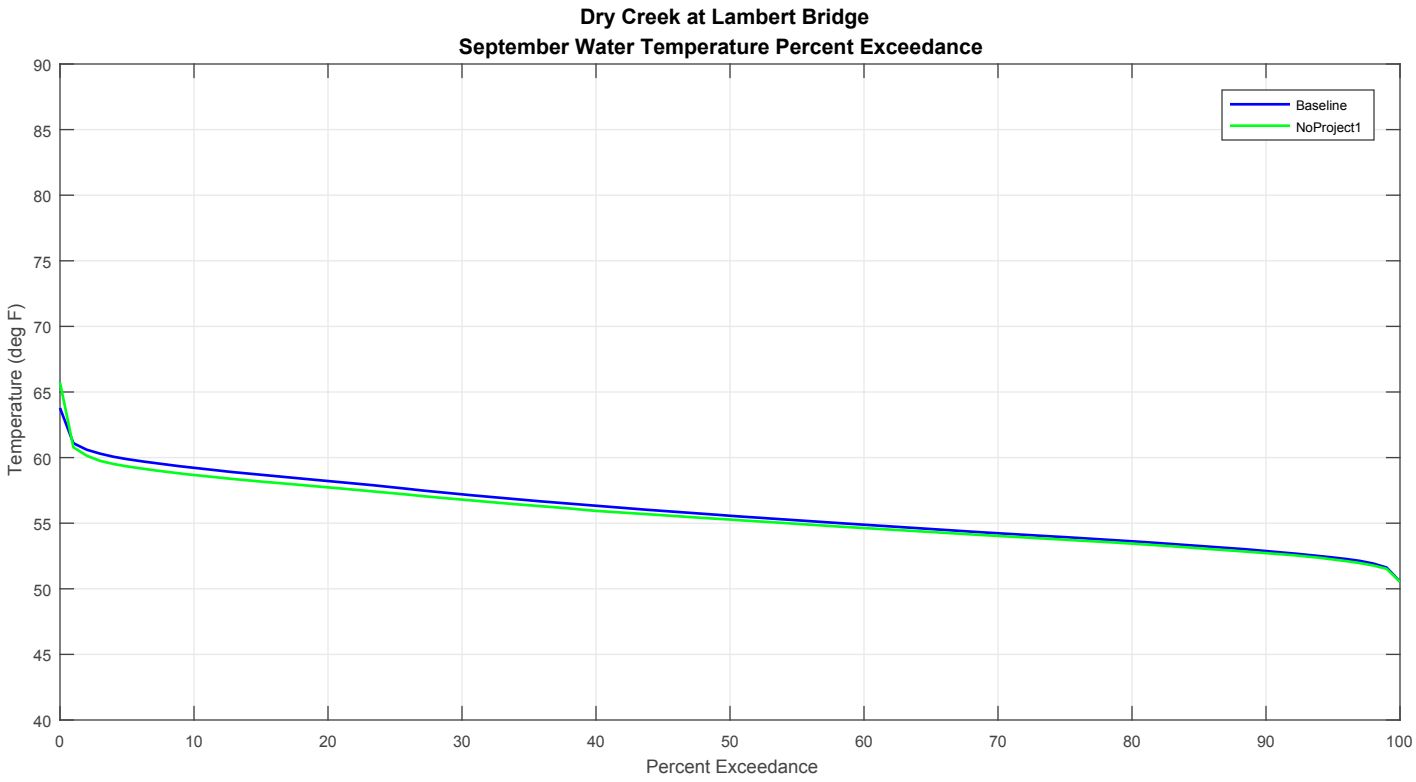
Dry Creek at Lambert Bridge
September Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
90
85
80
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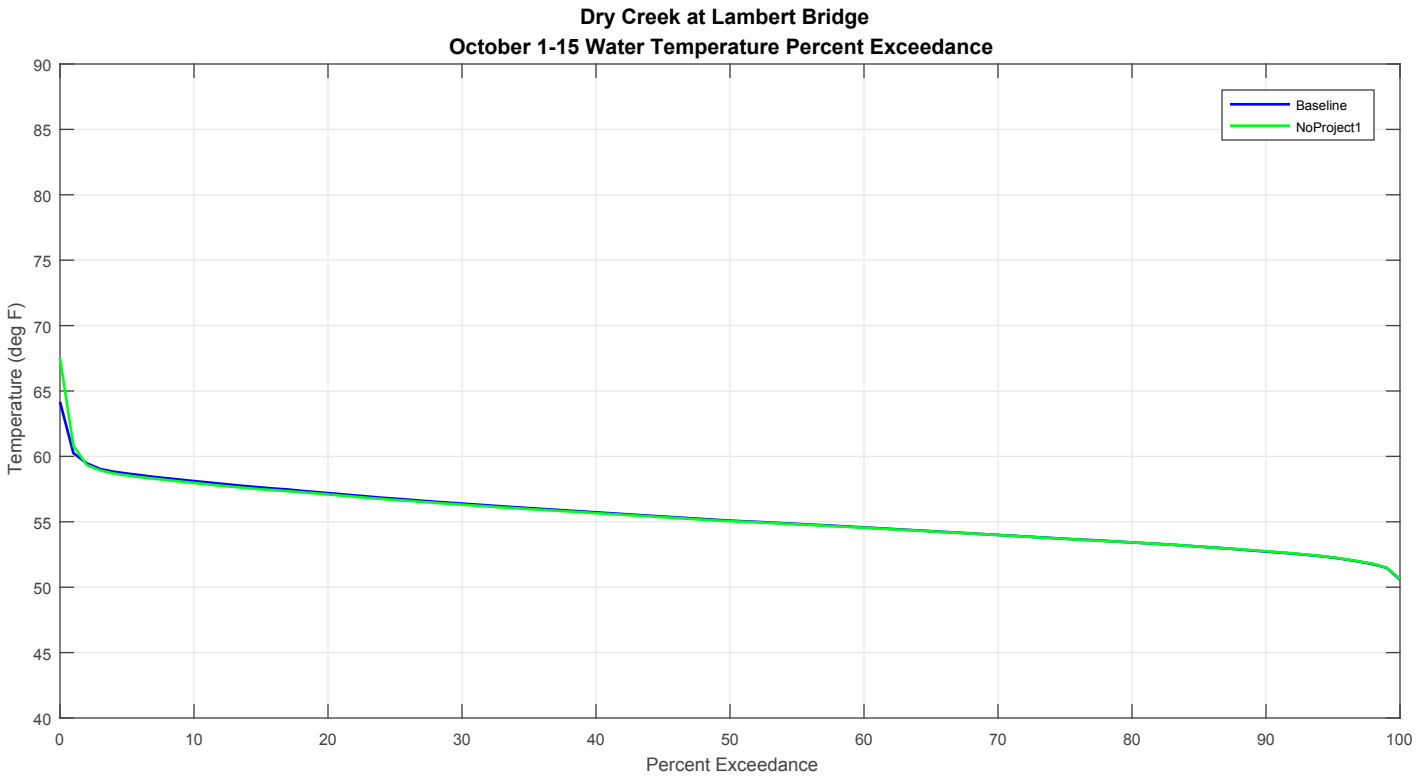
Dry Creek at Lambert Bridge
October 1-15 Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
90
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80
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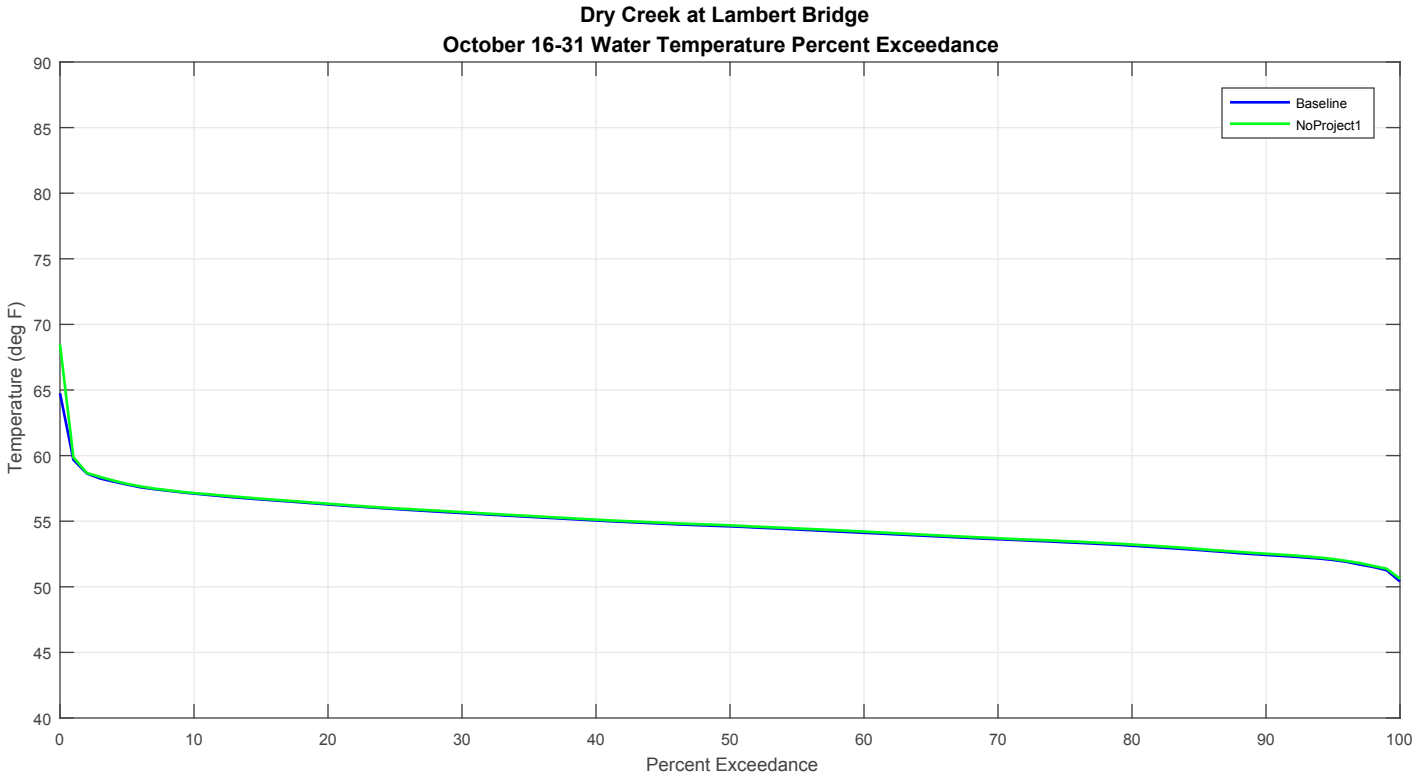
Dry Creek at Lambert Bridge
October 16-31 Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
90
85
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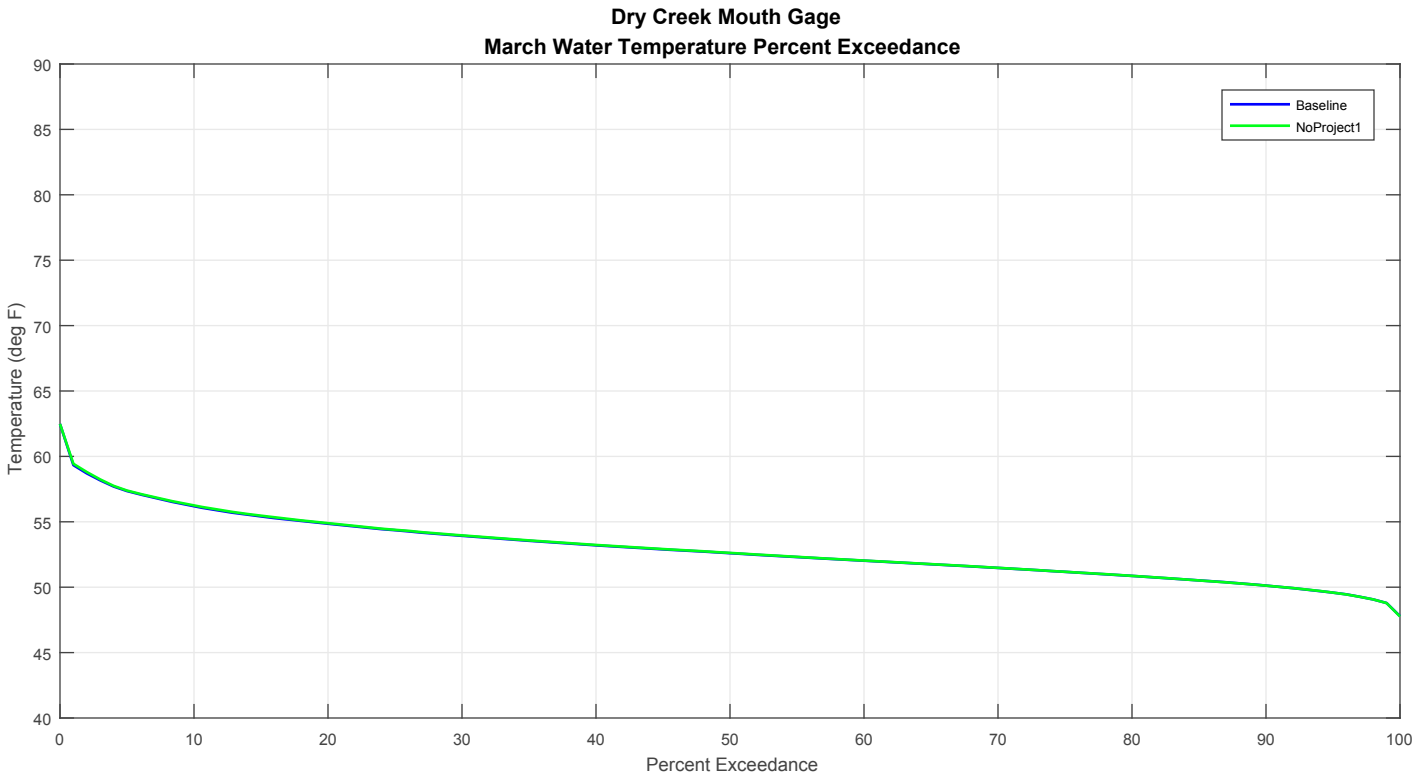
Dry Creek Mouth Gage
March Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
90
85
80
75
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60
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90
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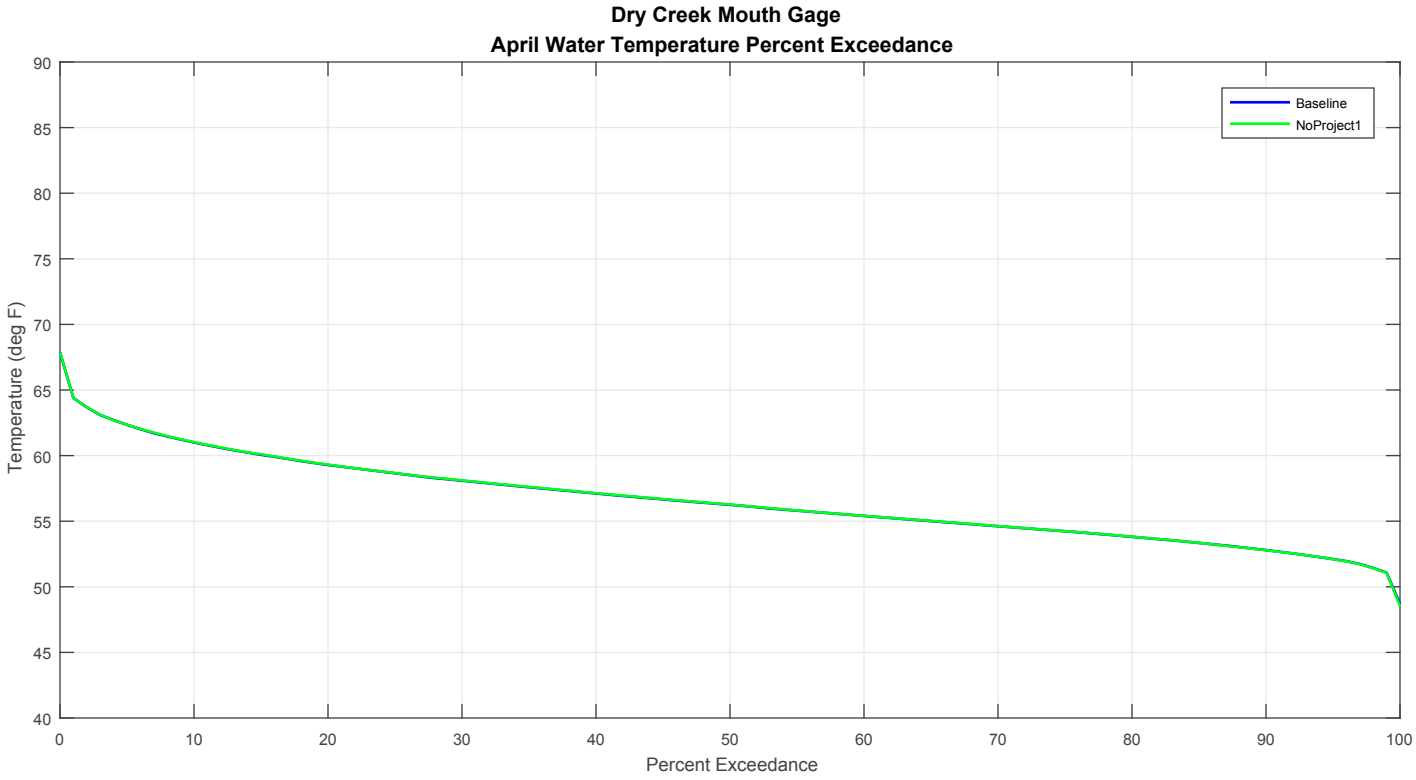
Dry Creek Mouth Gage
April Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
90
85
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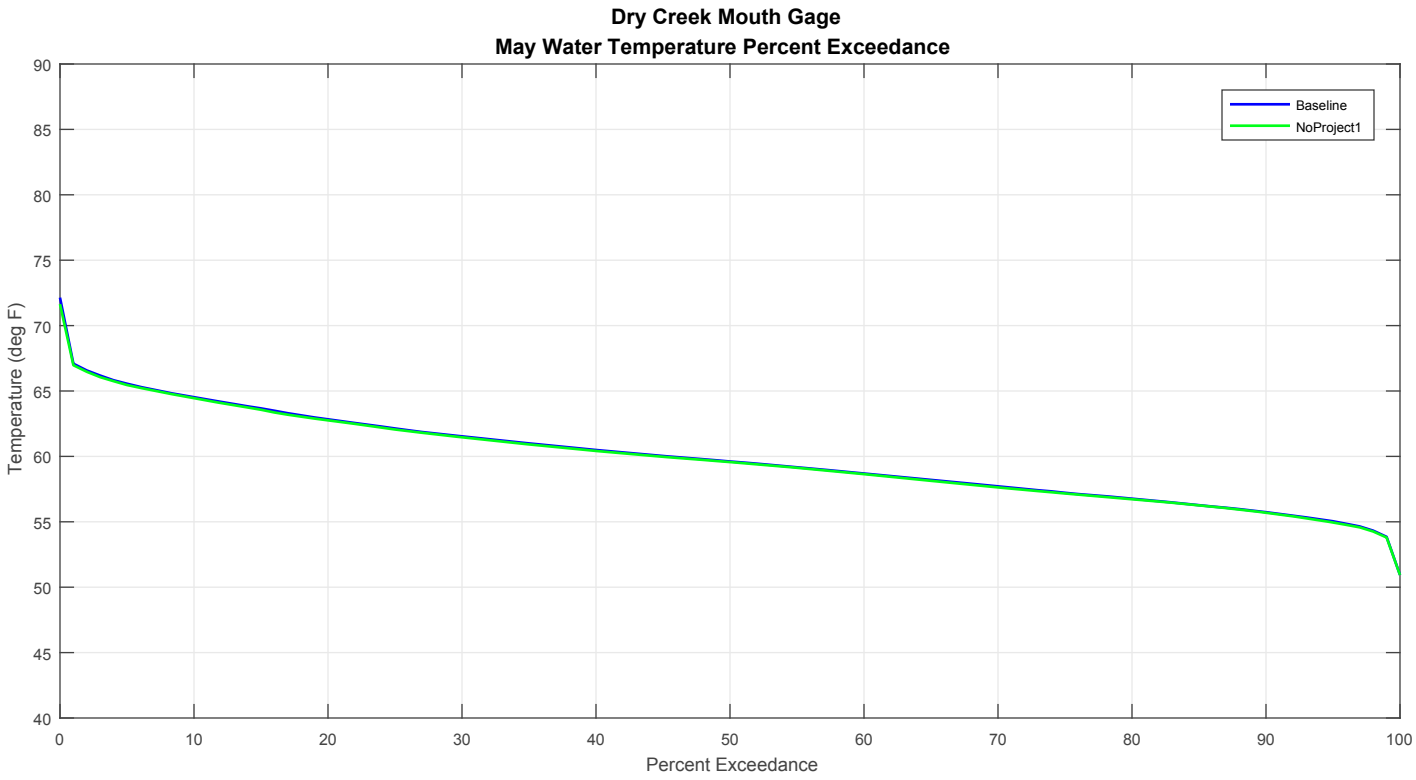
Dry Creek Mouth Gage
May Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
90
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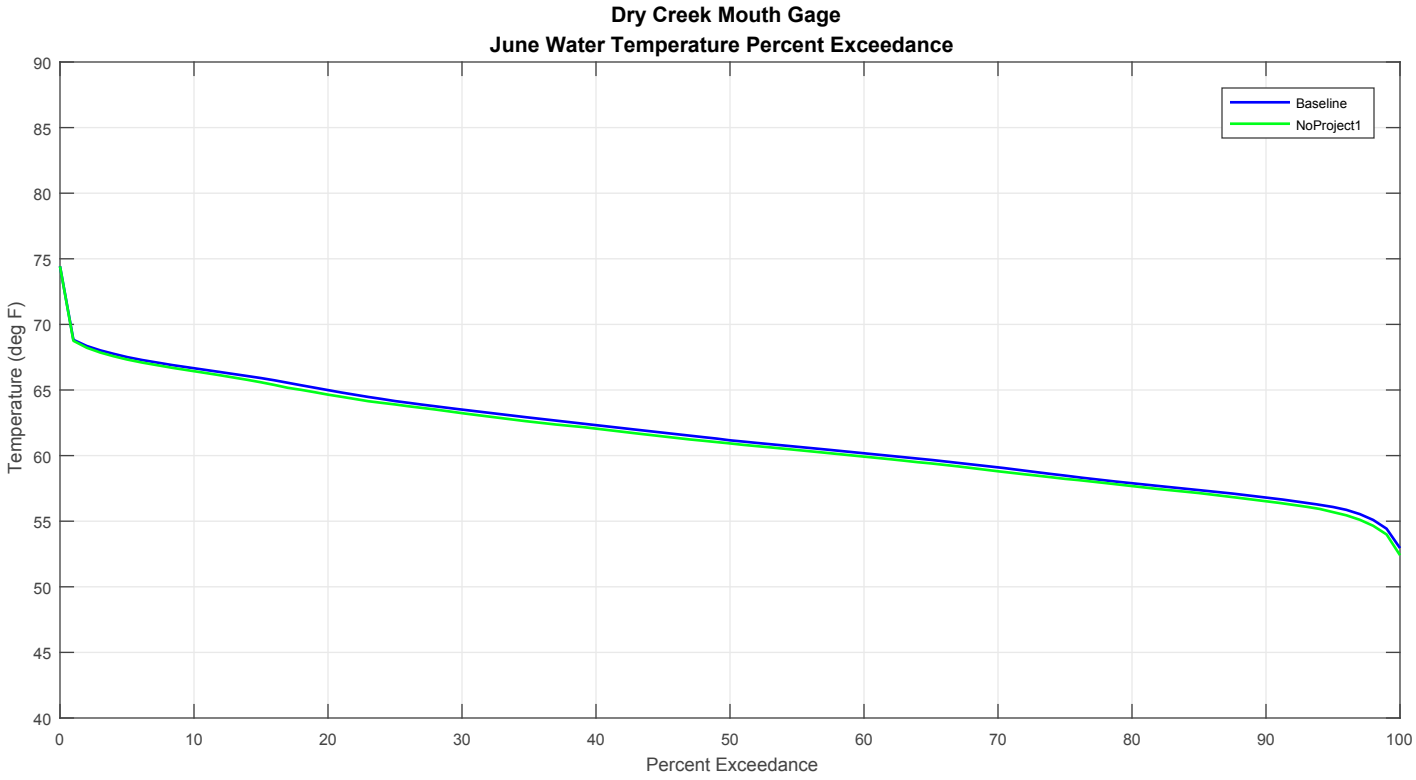
Dry Creek Mouth Gage
June Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
90
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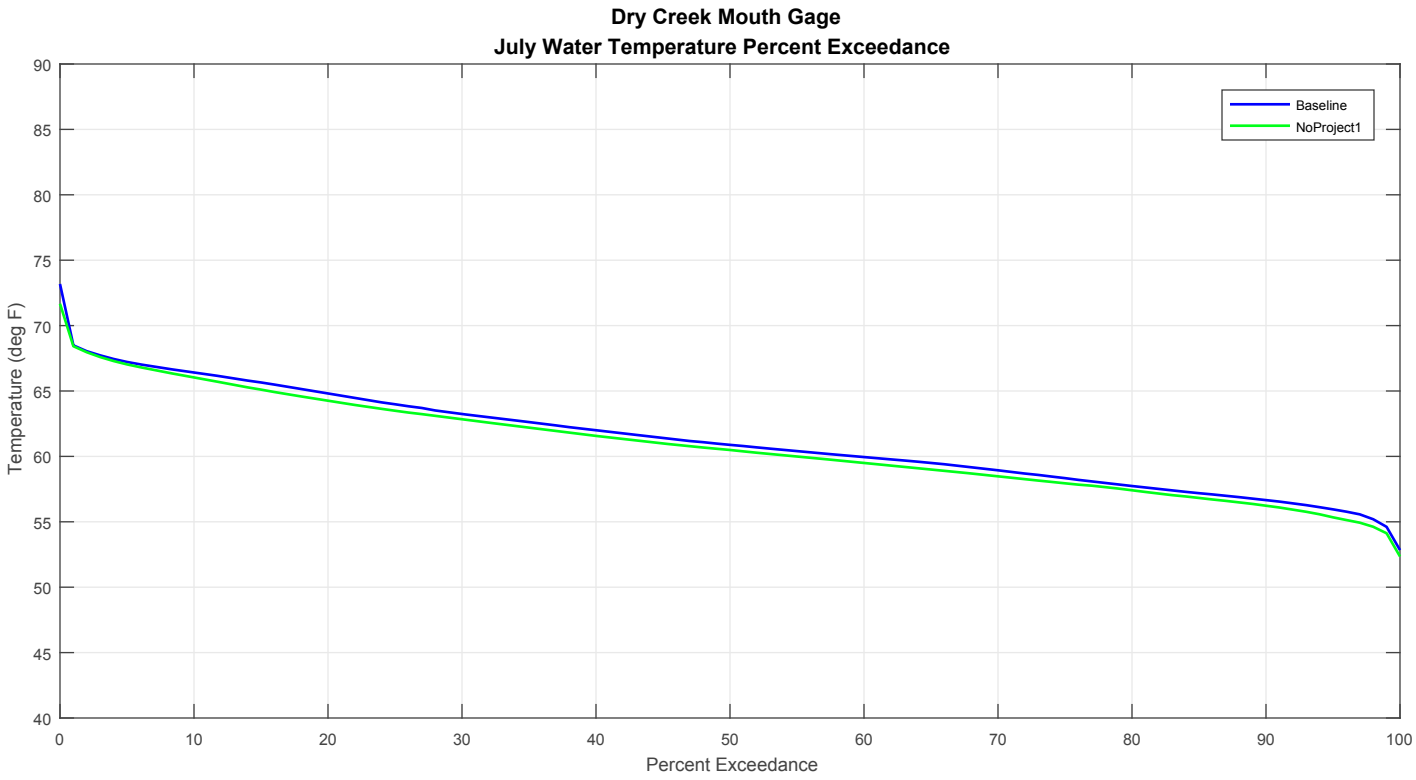
Dry Creek Mouth Gage
July Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
90
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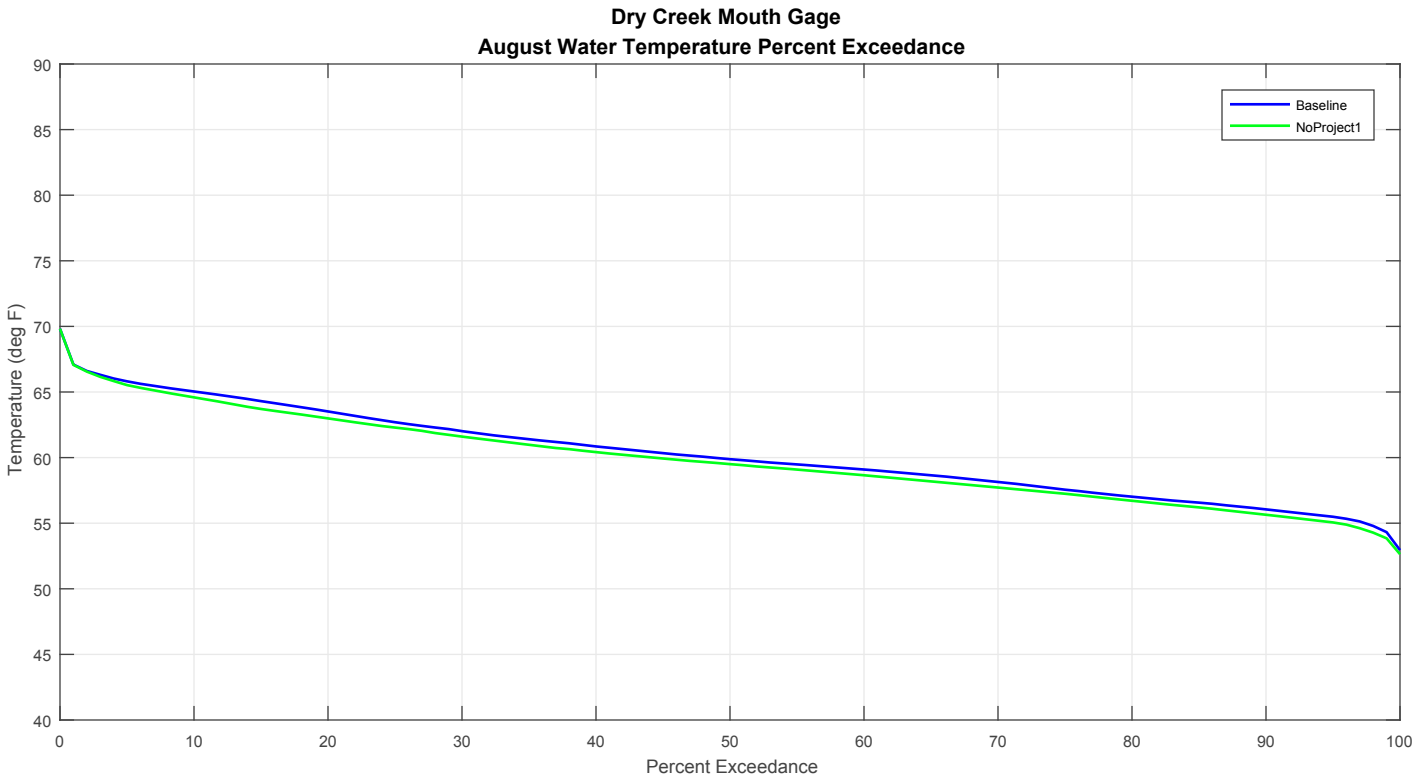
Dry Creek Mouth Gage
August Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
90
85
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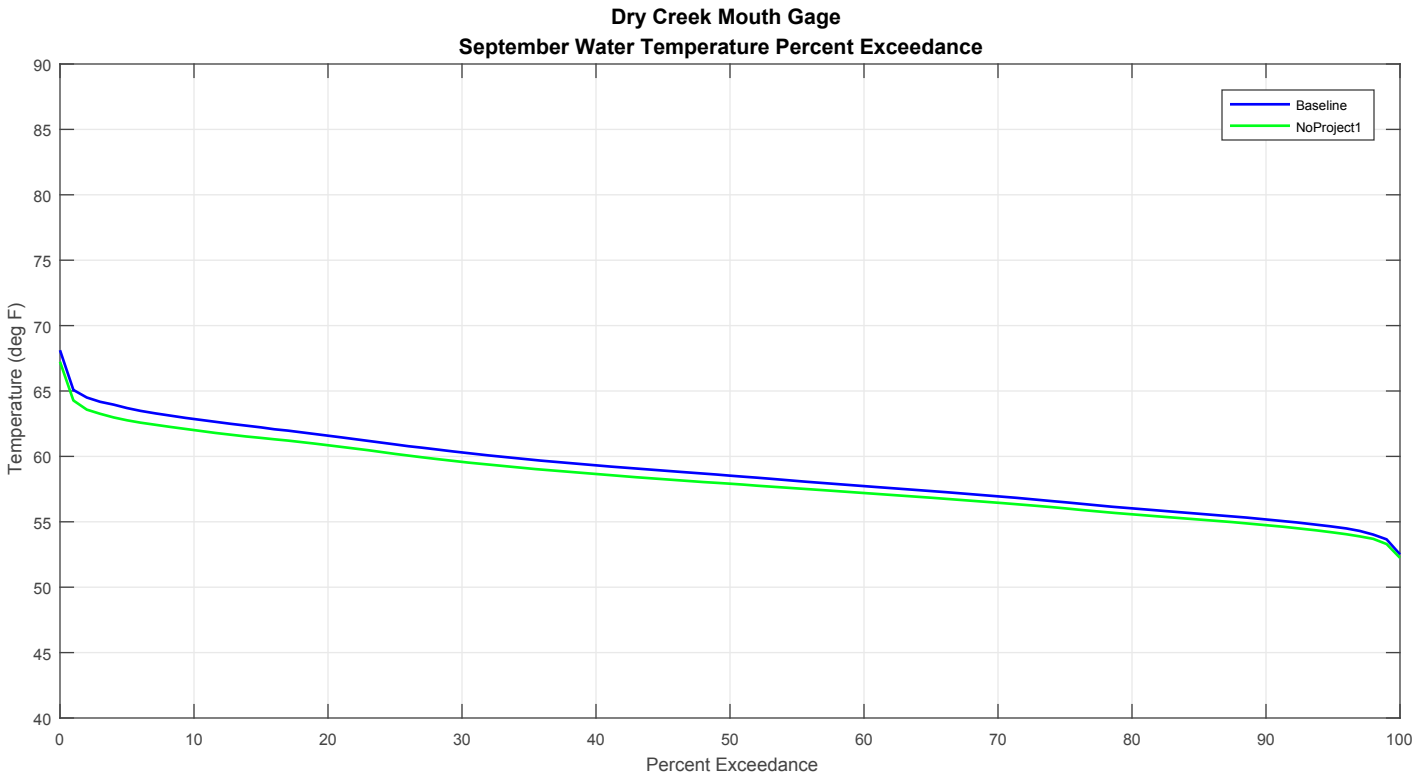
Dry Creek Mouth Gage
September Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
90
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90
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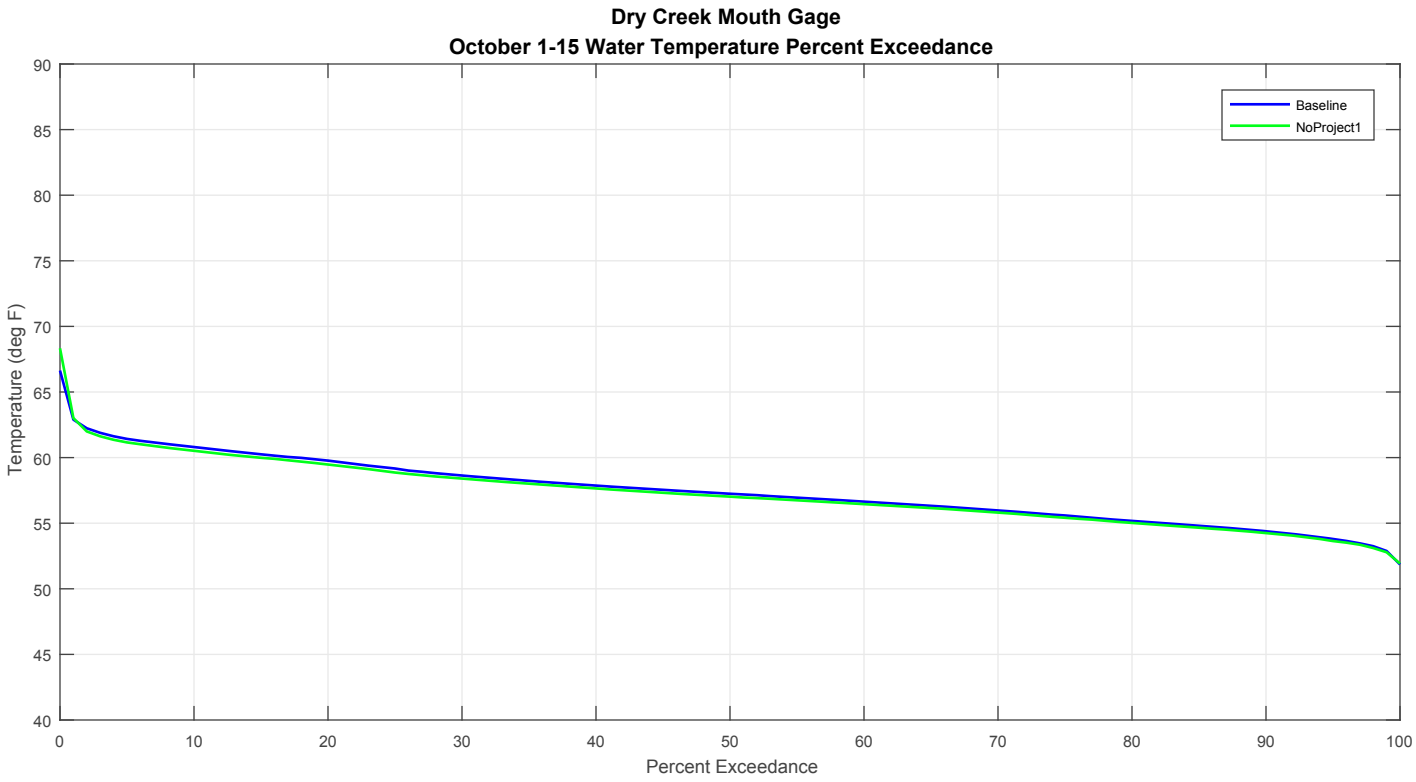
Dry Creek Mouth Gage
October 1-15 Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
90
85
80
75
70
65
60
55
50
45
40
0
10
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30
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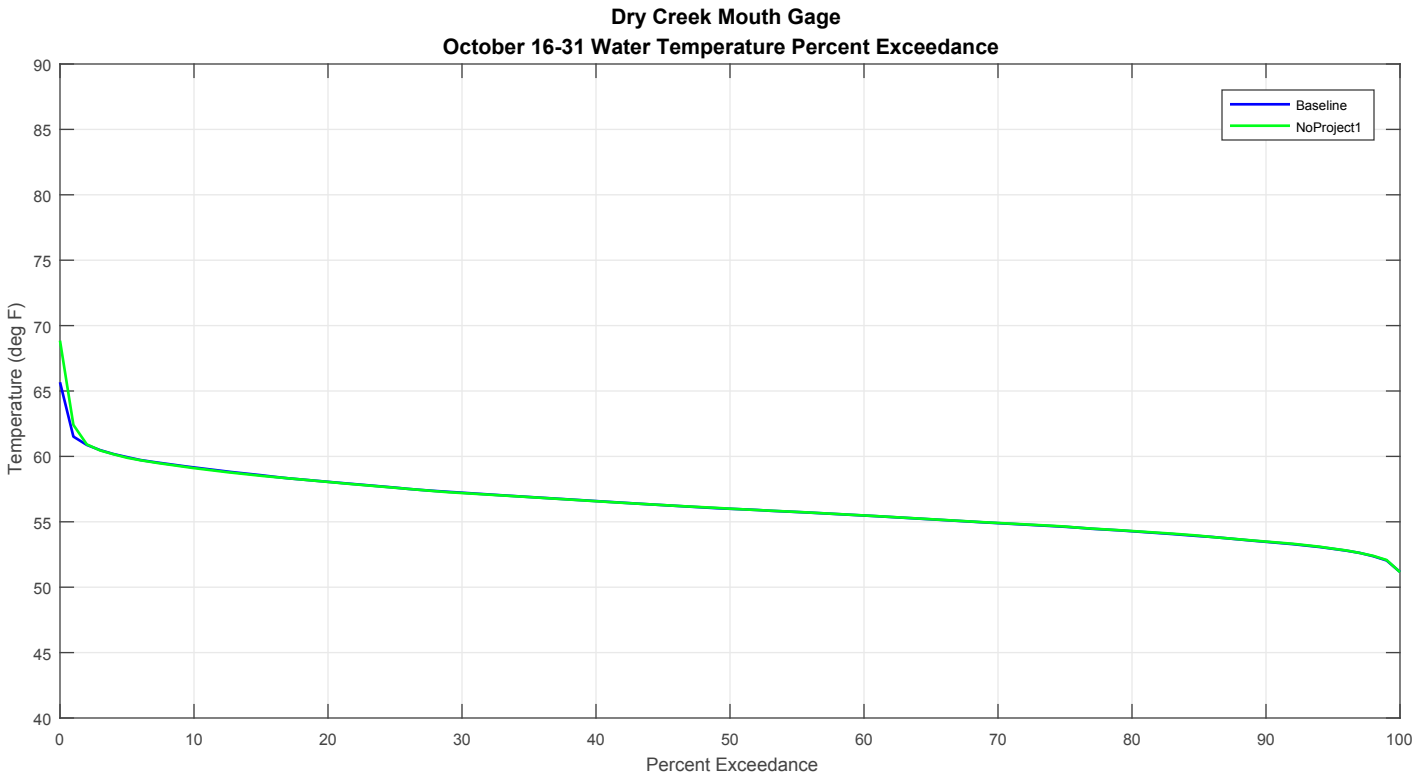
70
80
90
100


Dry Creek Mouth Gage
October 16-31 Water Temperature Percent Exceedance
Baseline
NoProject1
Temperature (deg F)
Percent Exceedance
90
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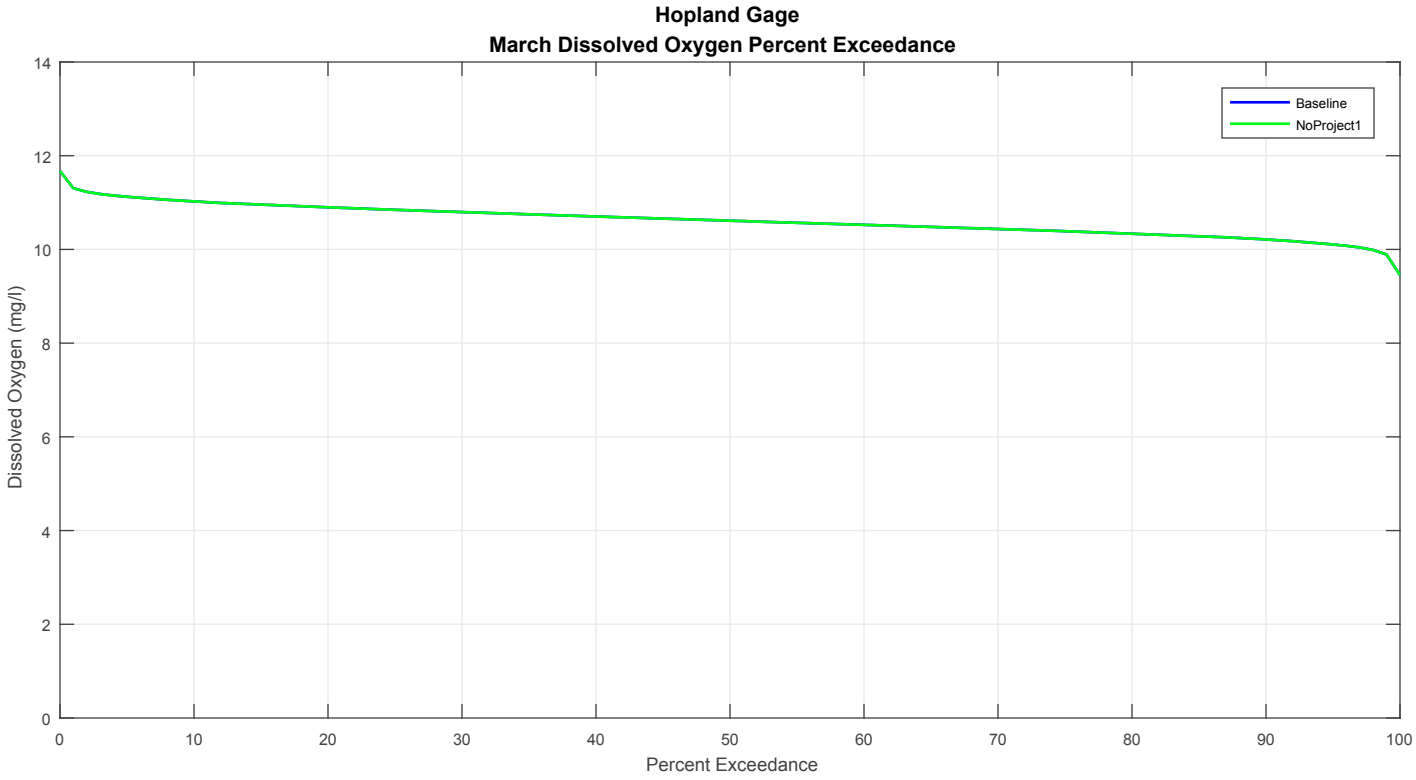
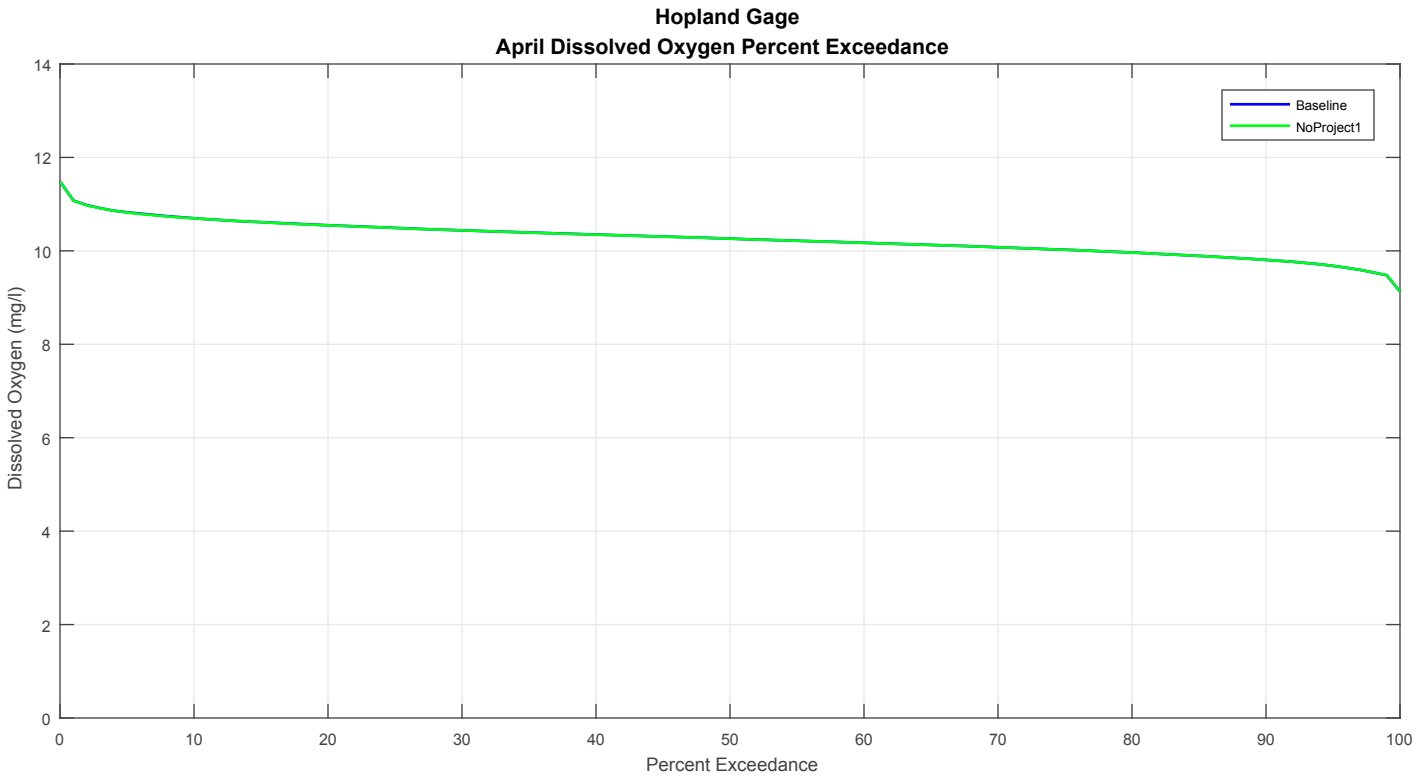
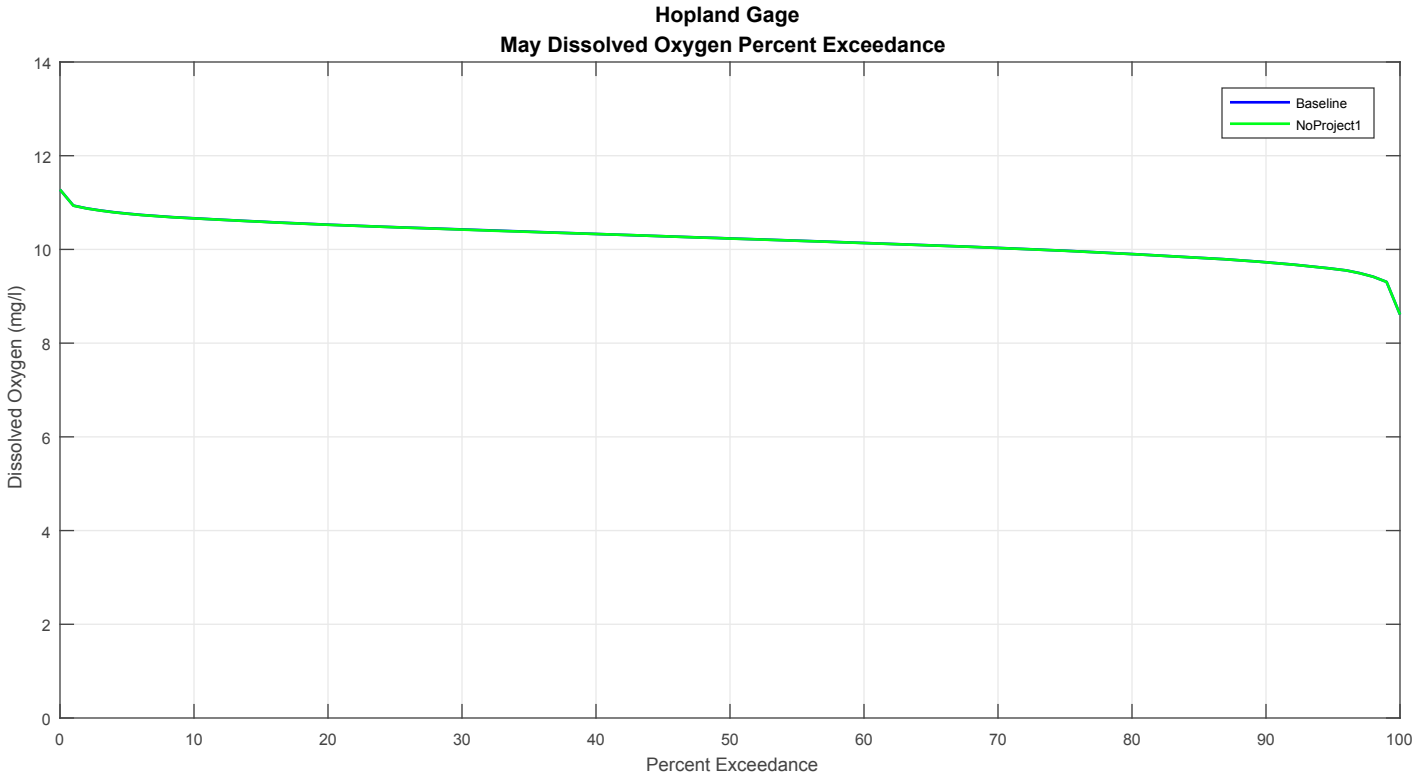

Hopland Gage
March Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
14
0
10
20
30
40
50
60
70
80
90
100


Hopland Gage
April Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
14
0
10
20
30
40
50
60
70
80
90
100


Hopland Gage
May Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
14
0
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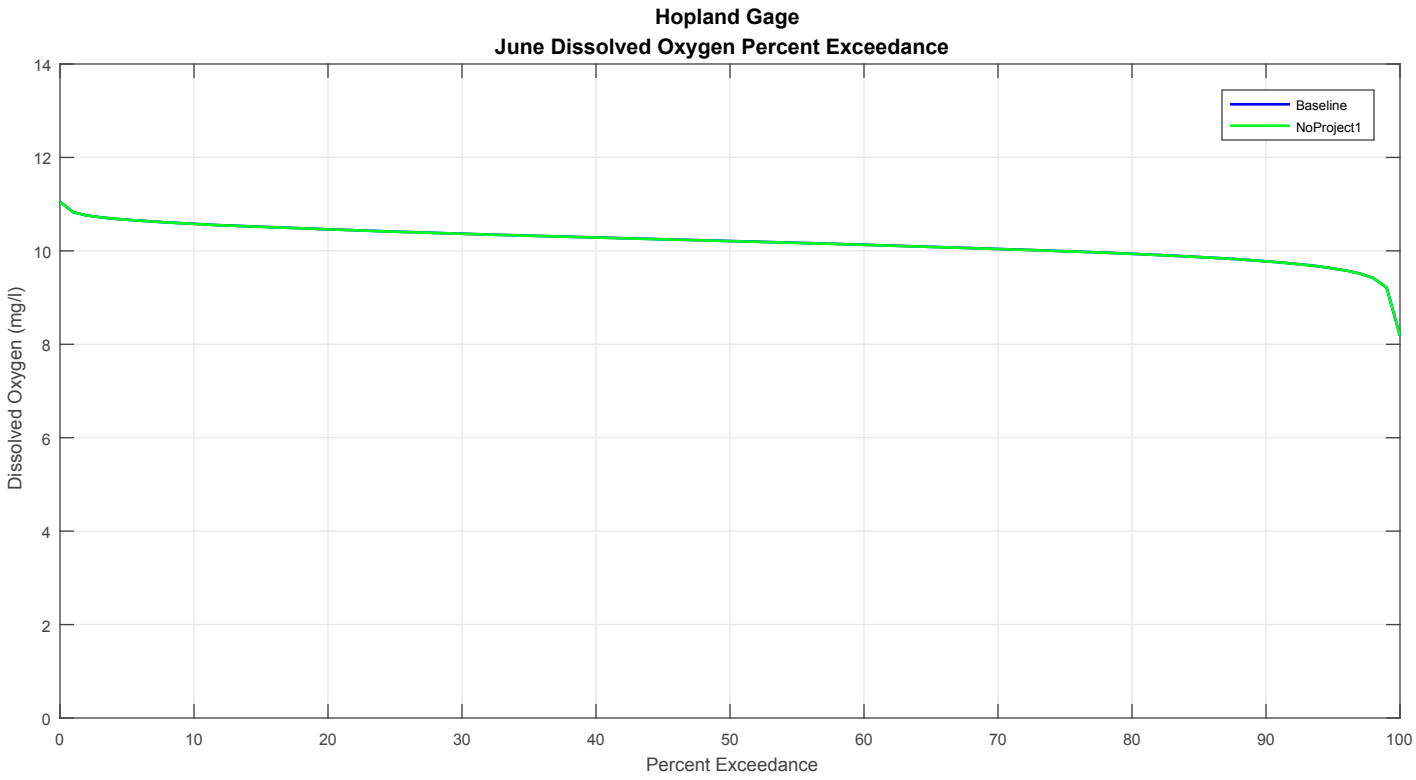
Hopland Gage
June Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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10
12
14
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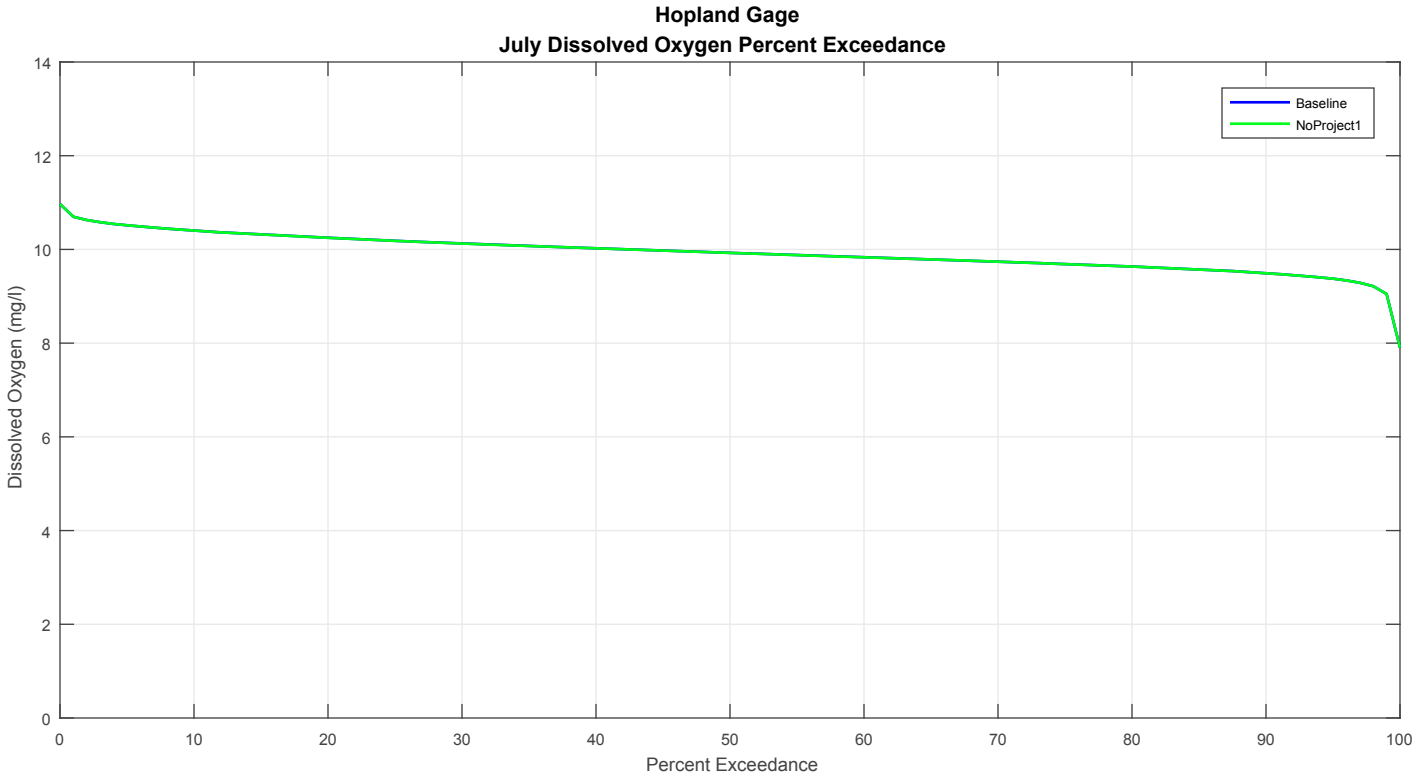
Hopland Gage
July Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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12
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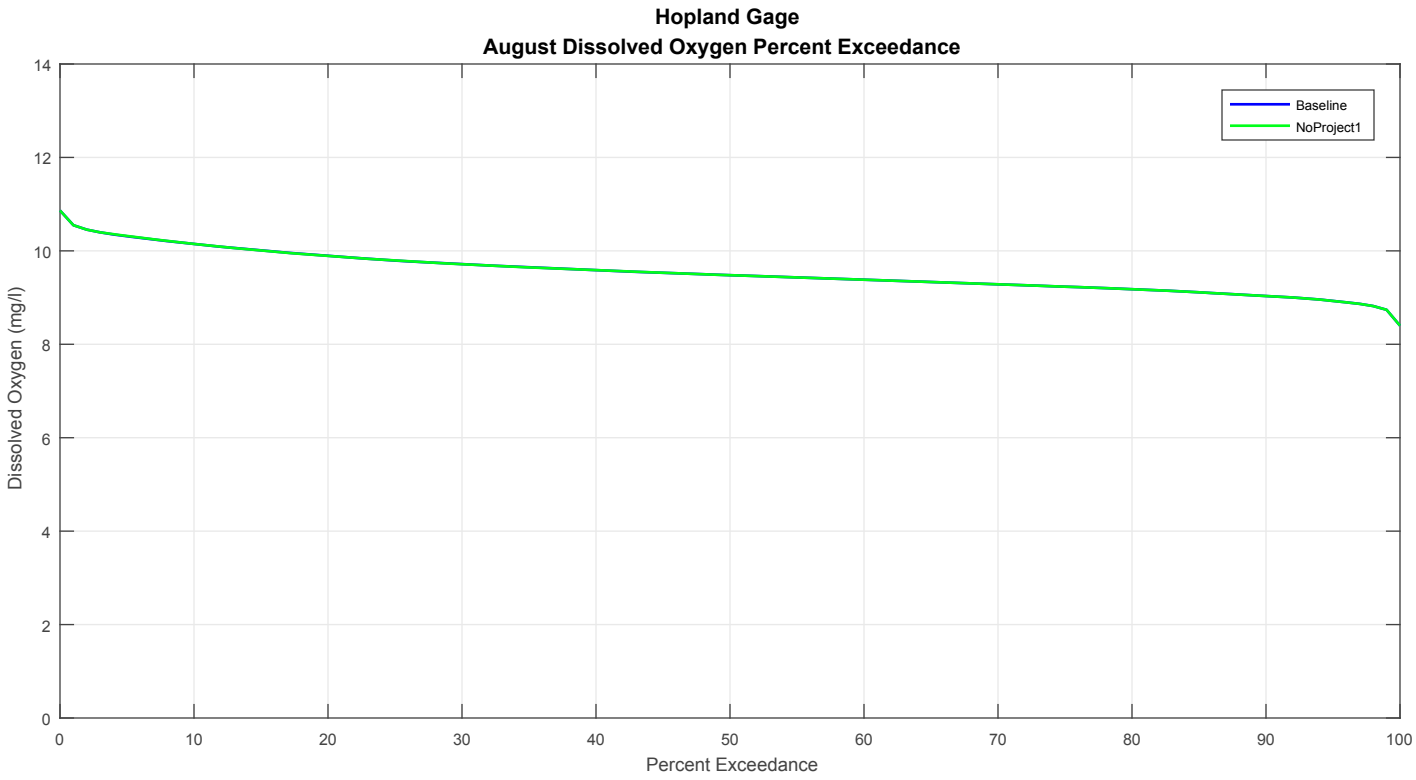
Hopland Gage
August Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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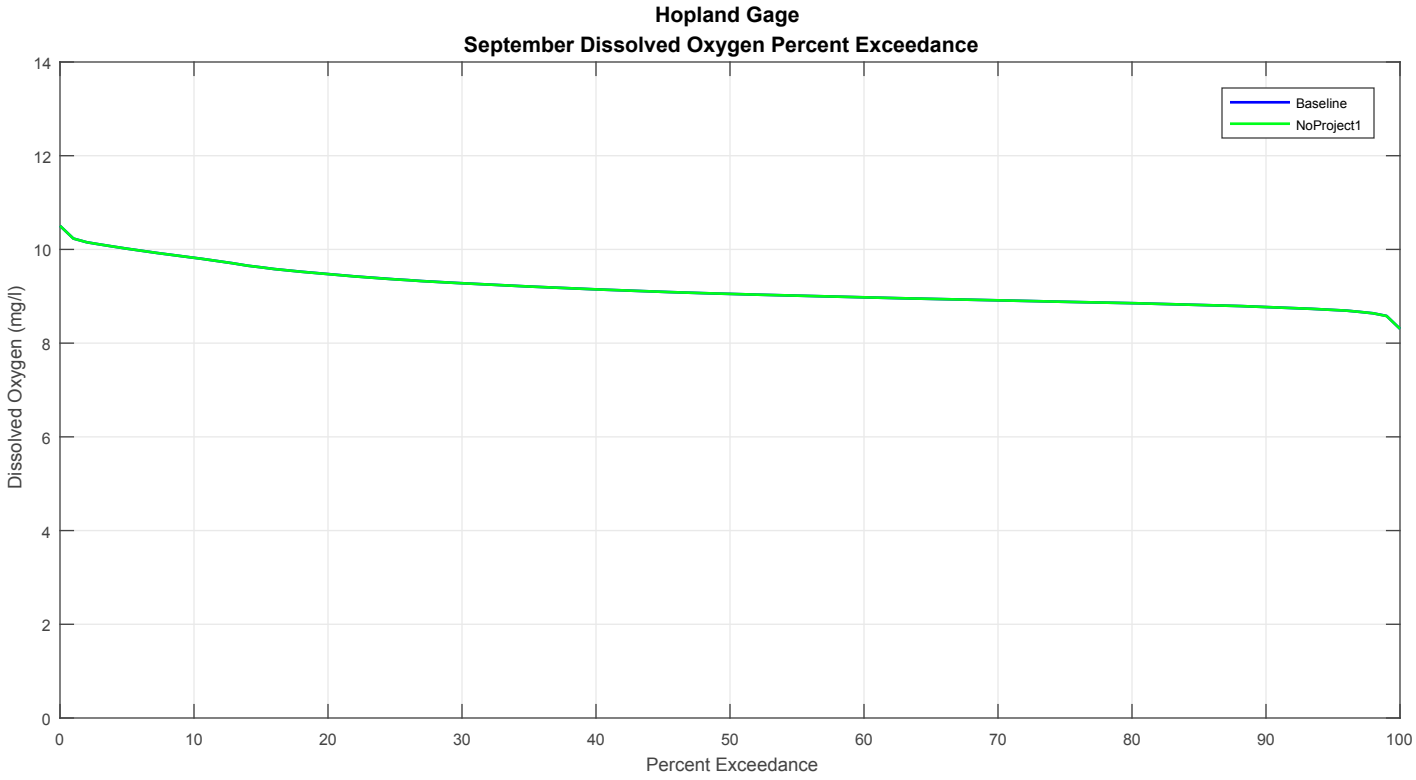
Hopland Gage
September Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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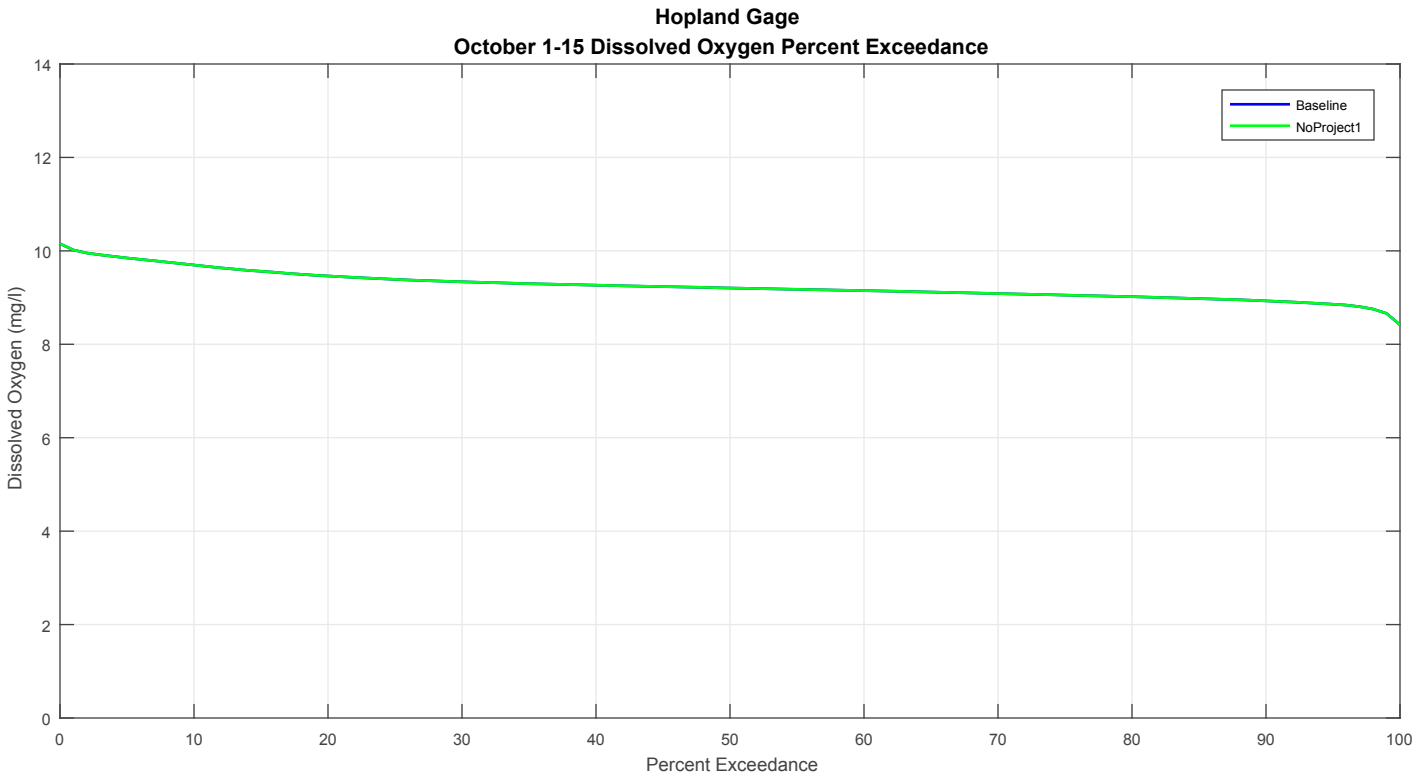
Hopland Gage
October 1-15 Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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6
8
10
12
14
0
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30
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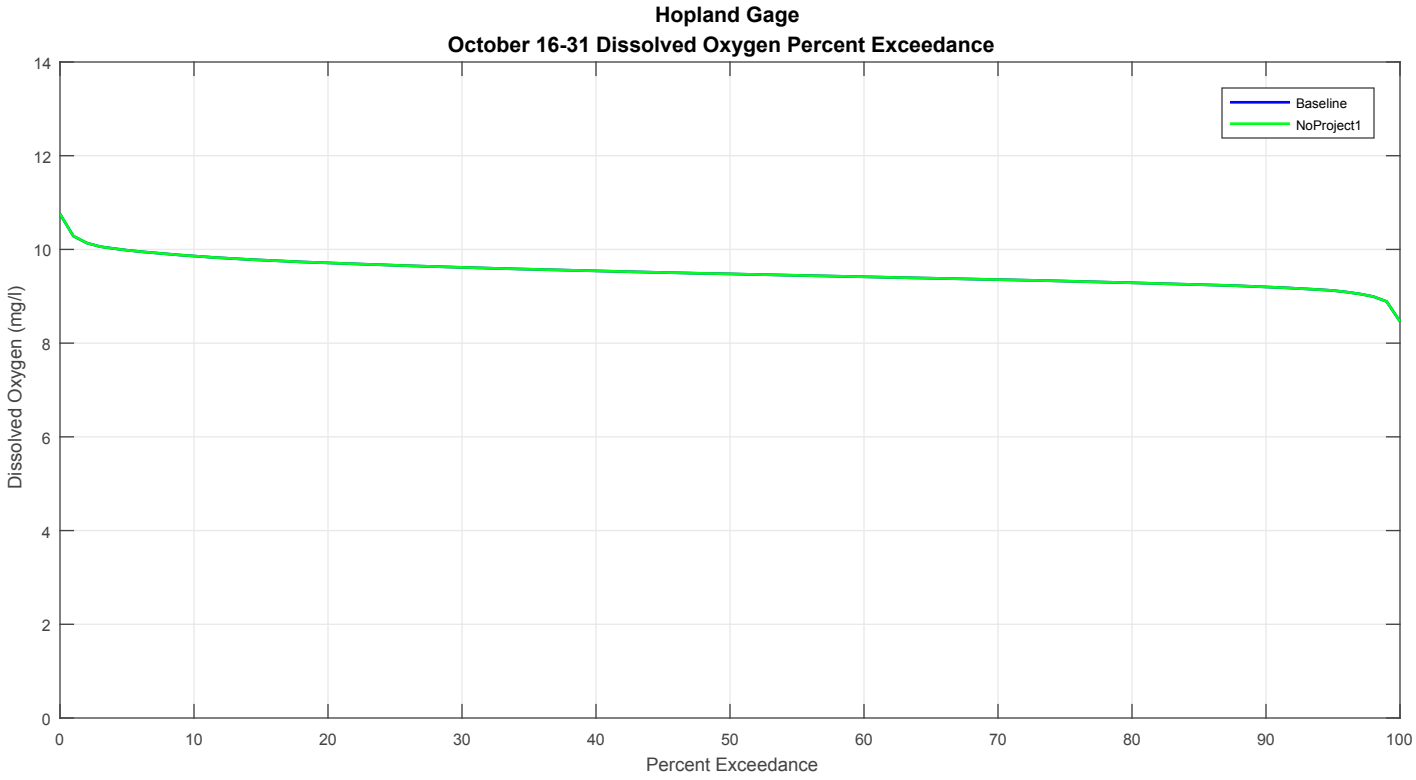
90
100


Hopland Gage
October 16-31 Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
0
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6
8
10
12
14
0
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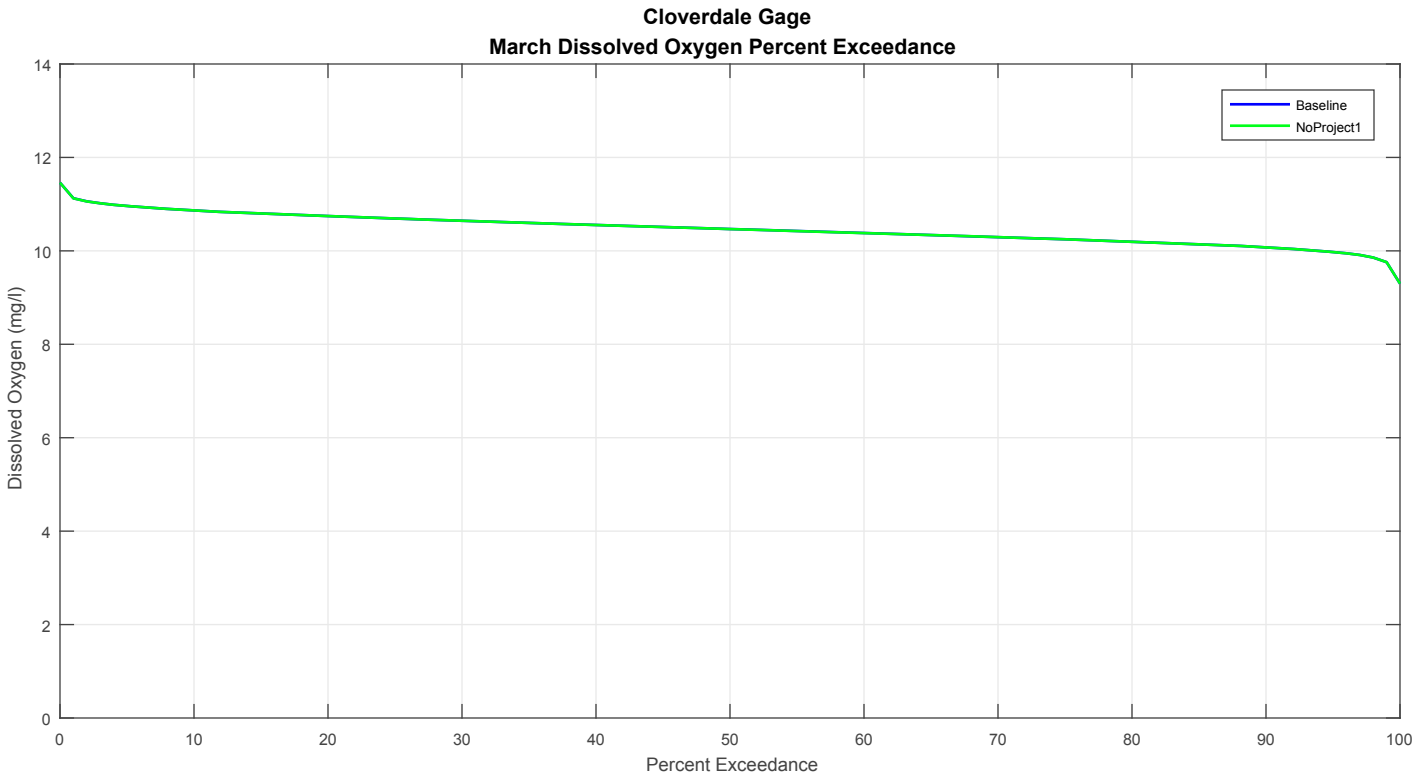
Cloverdale Gage
March Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
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6
8
10
12
14
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30
40
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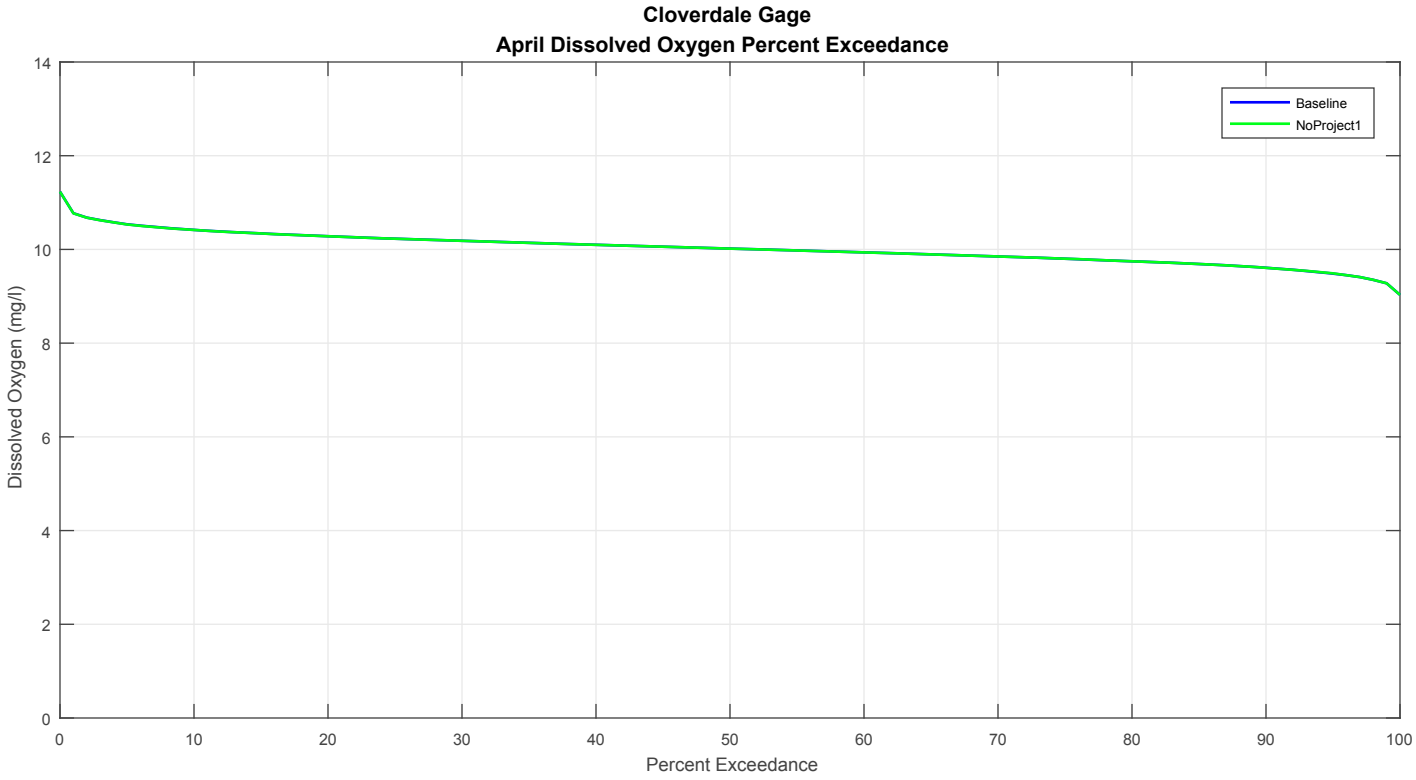
90
100


Cloverdale Gage
April Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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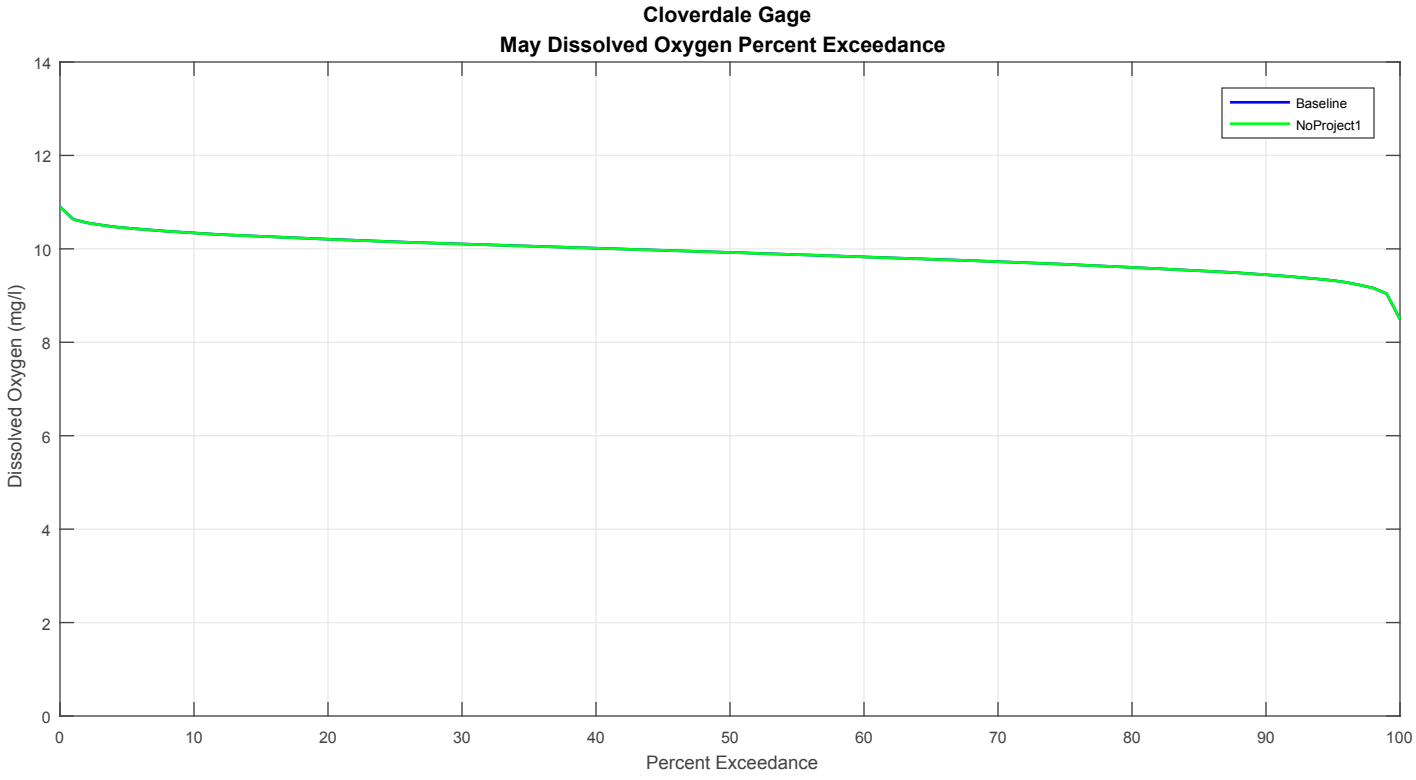
Cloverdale Gage
May Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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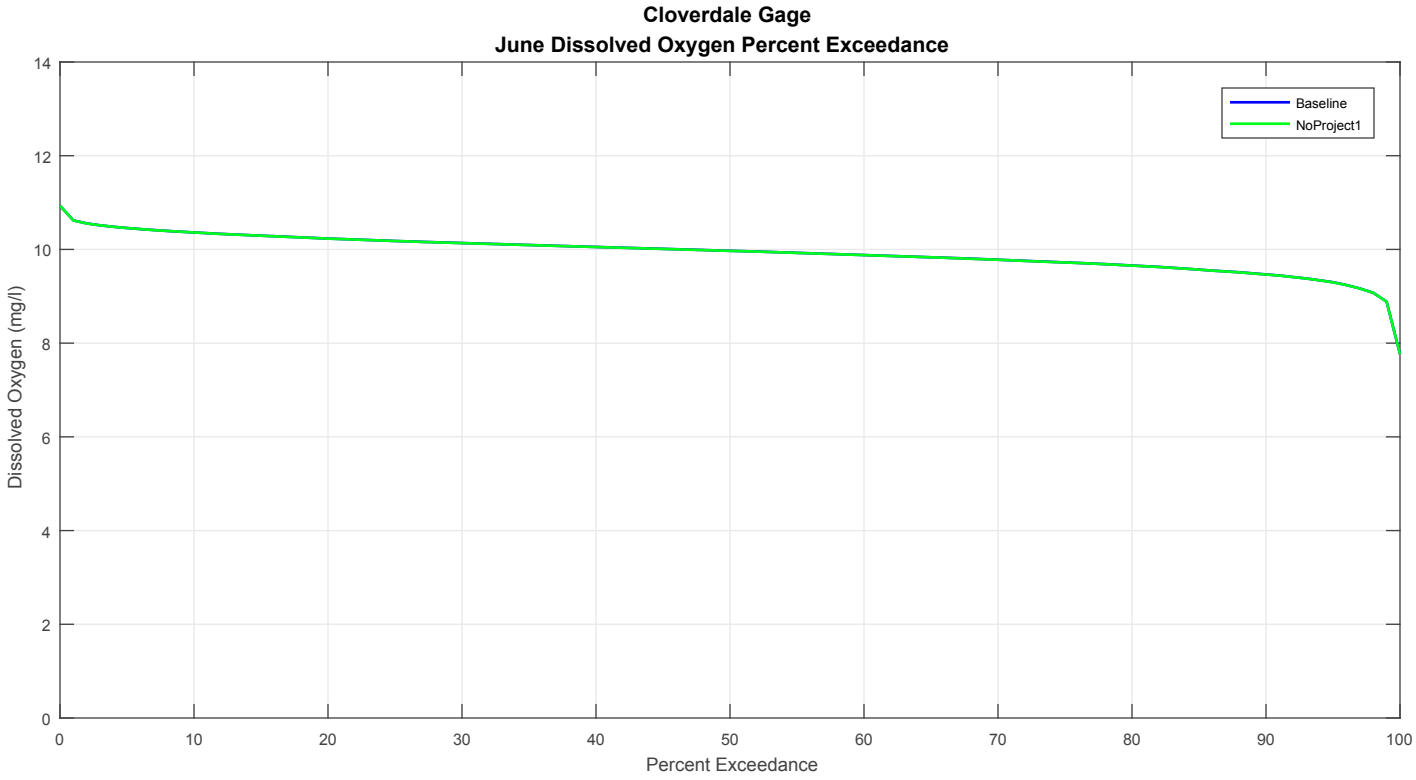
Cloverdale Gage
June Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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6
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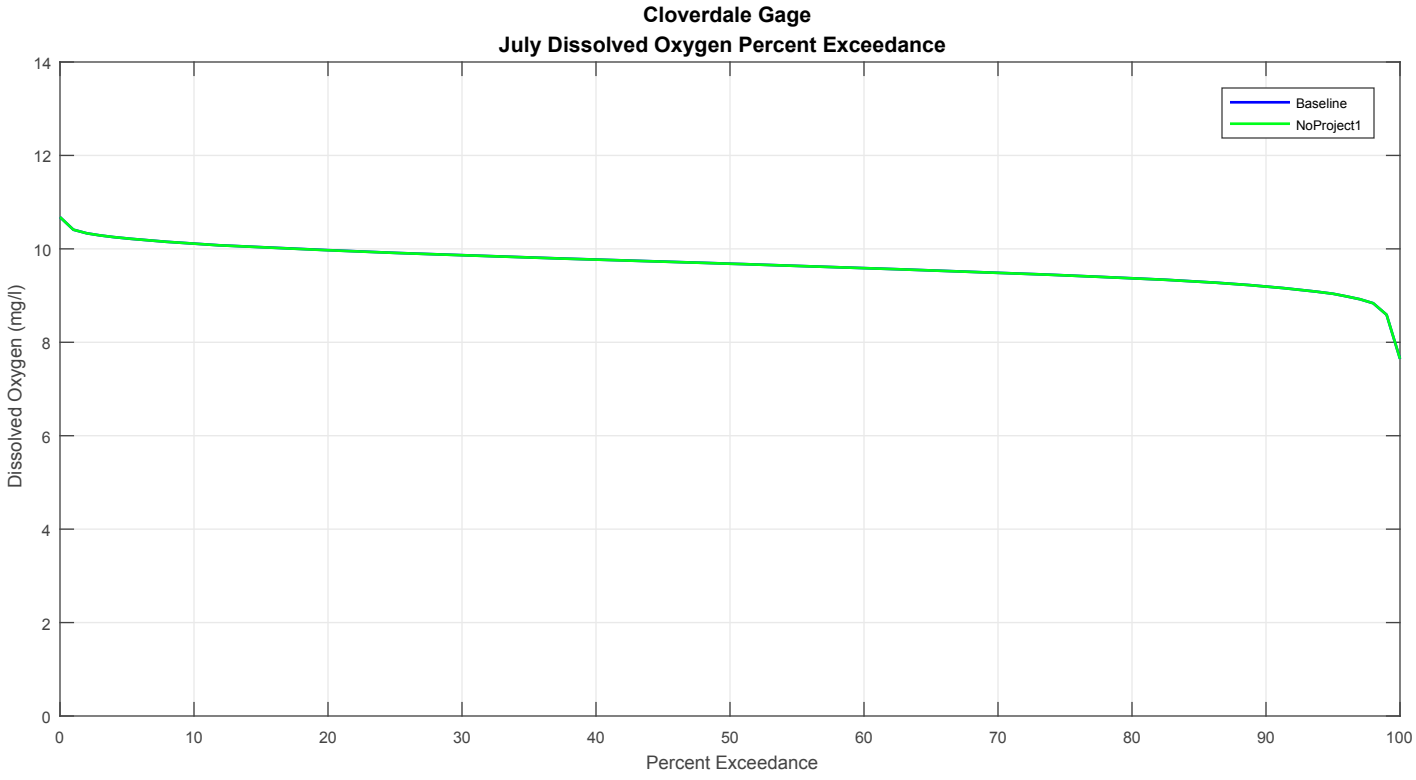
Cloverdale Gage
July Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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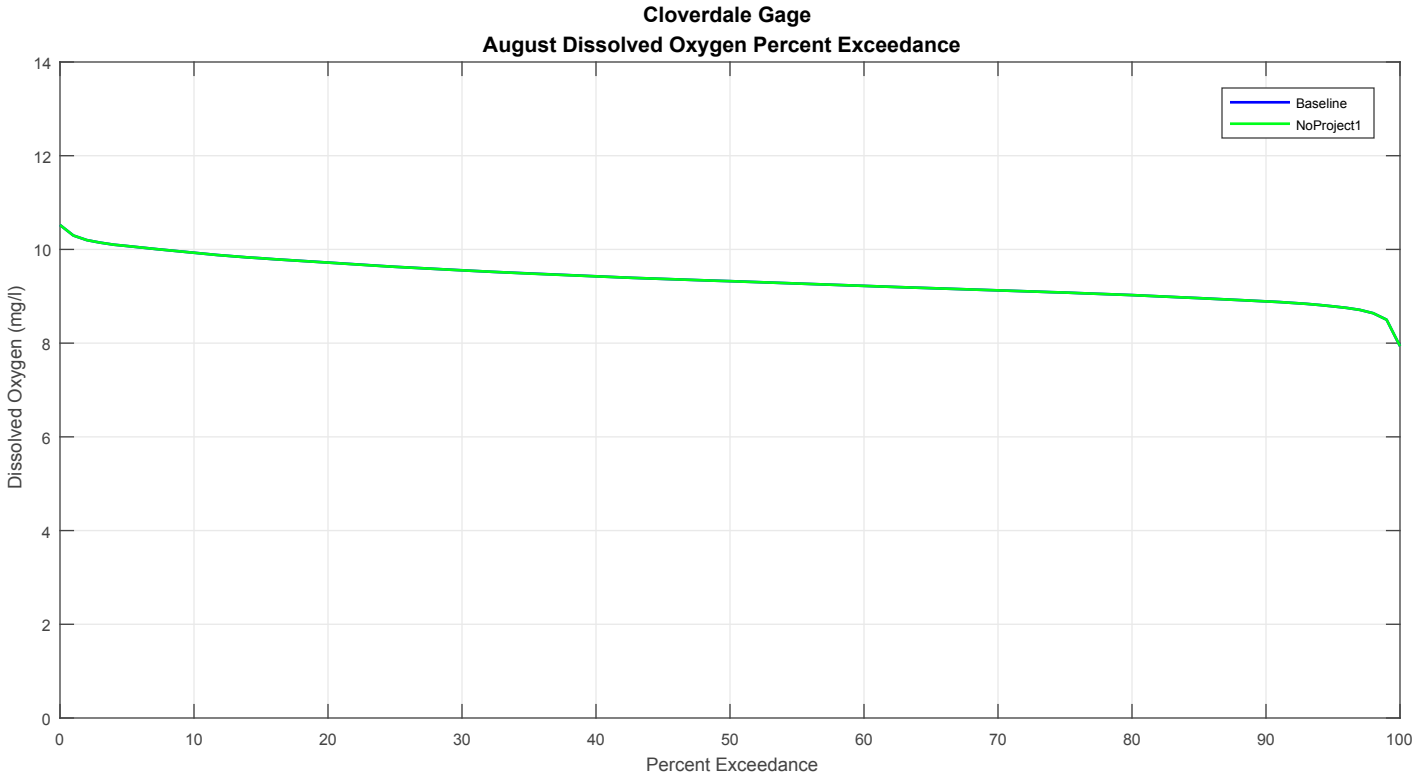
Cloverdale Gage
August Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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8
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12
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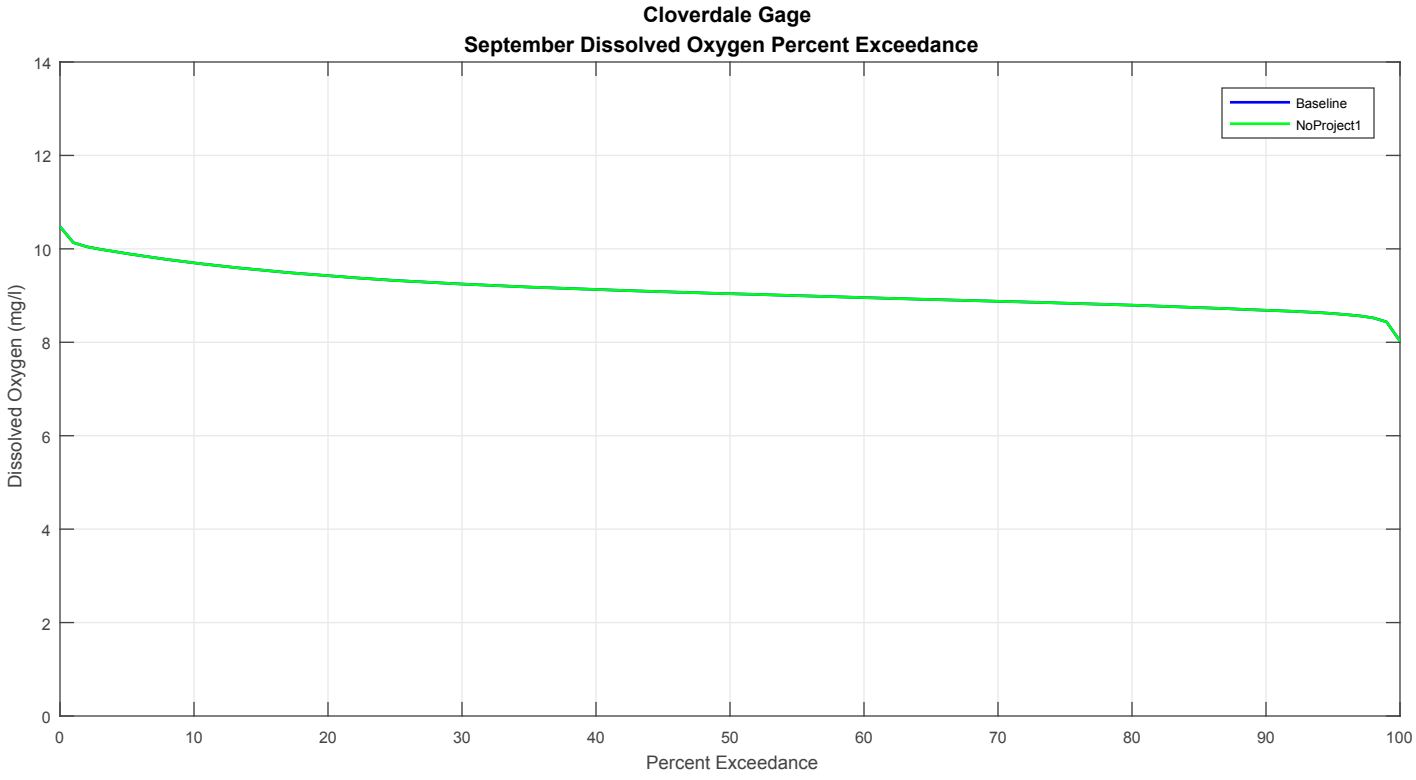
Cloverdale Gage
September Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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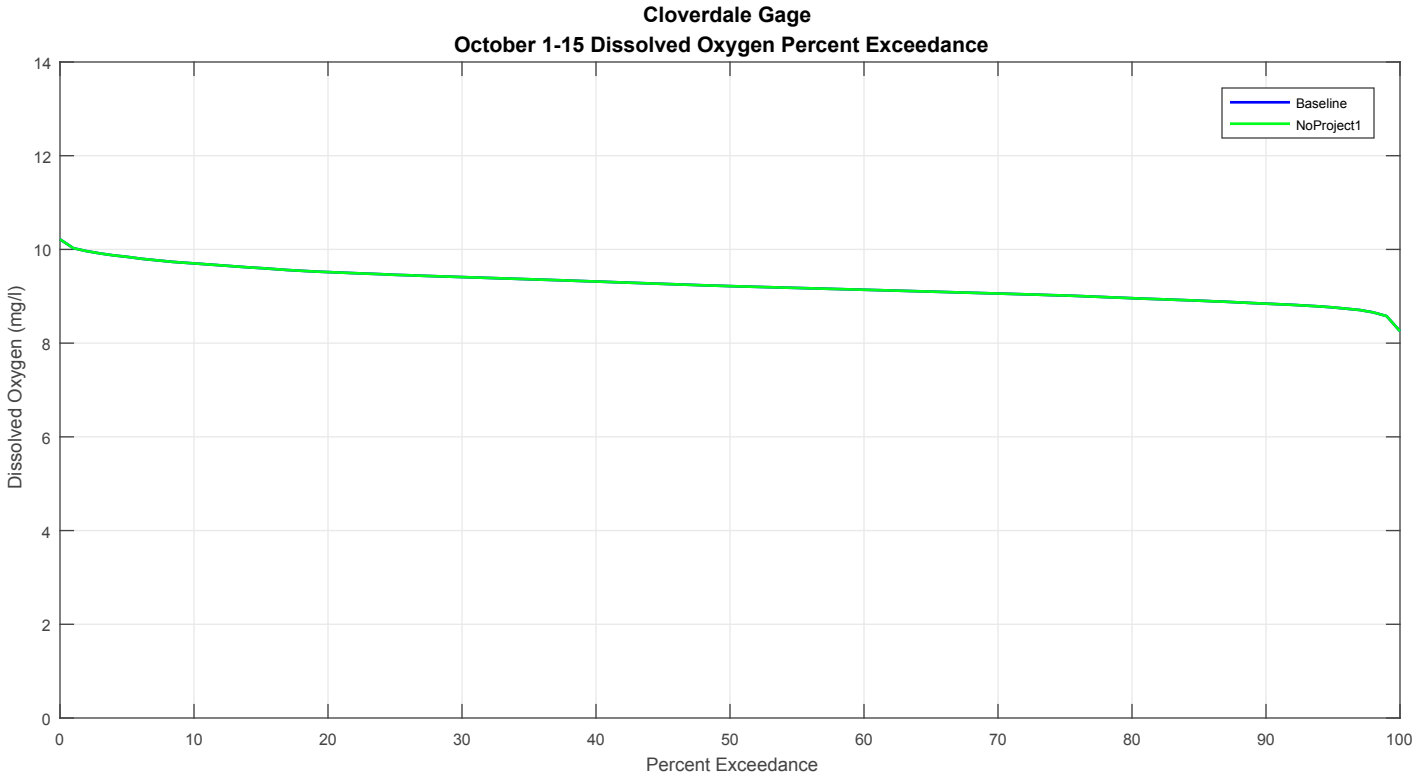
Cloverdale Gage
October 1-15 Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
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6
8
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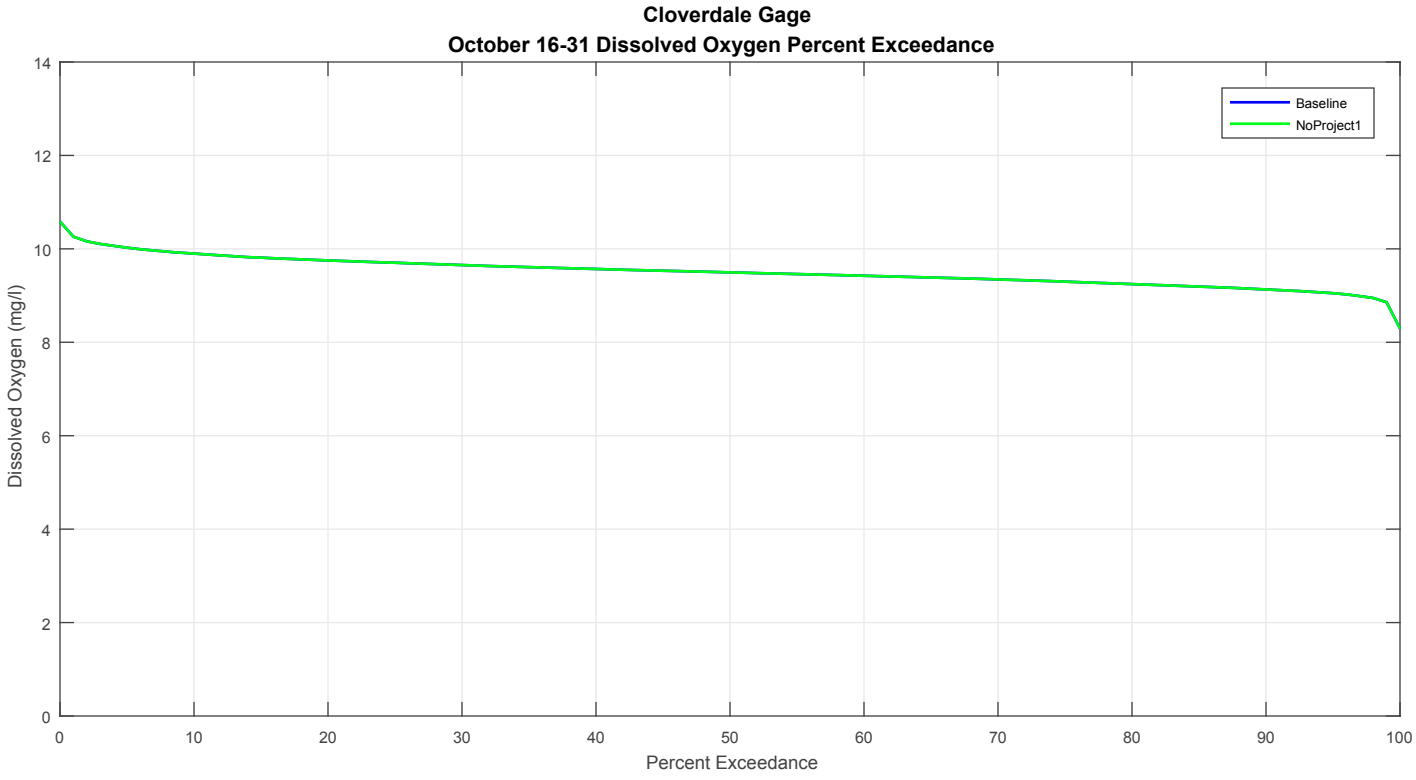
Cloverdale Gage
October 16-31 Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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8
10
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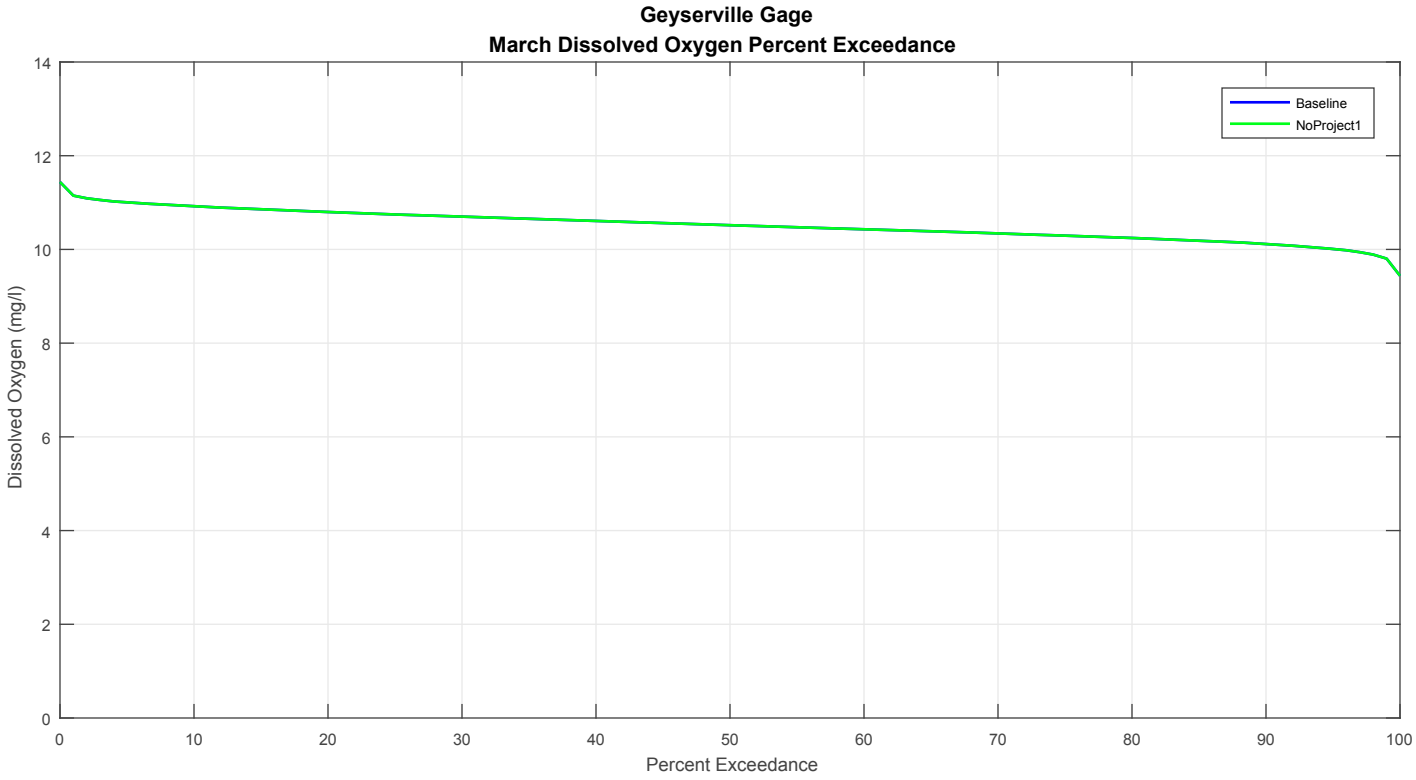
Geyserville Gage
March Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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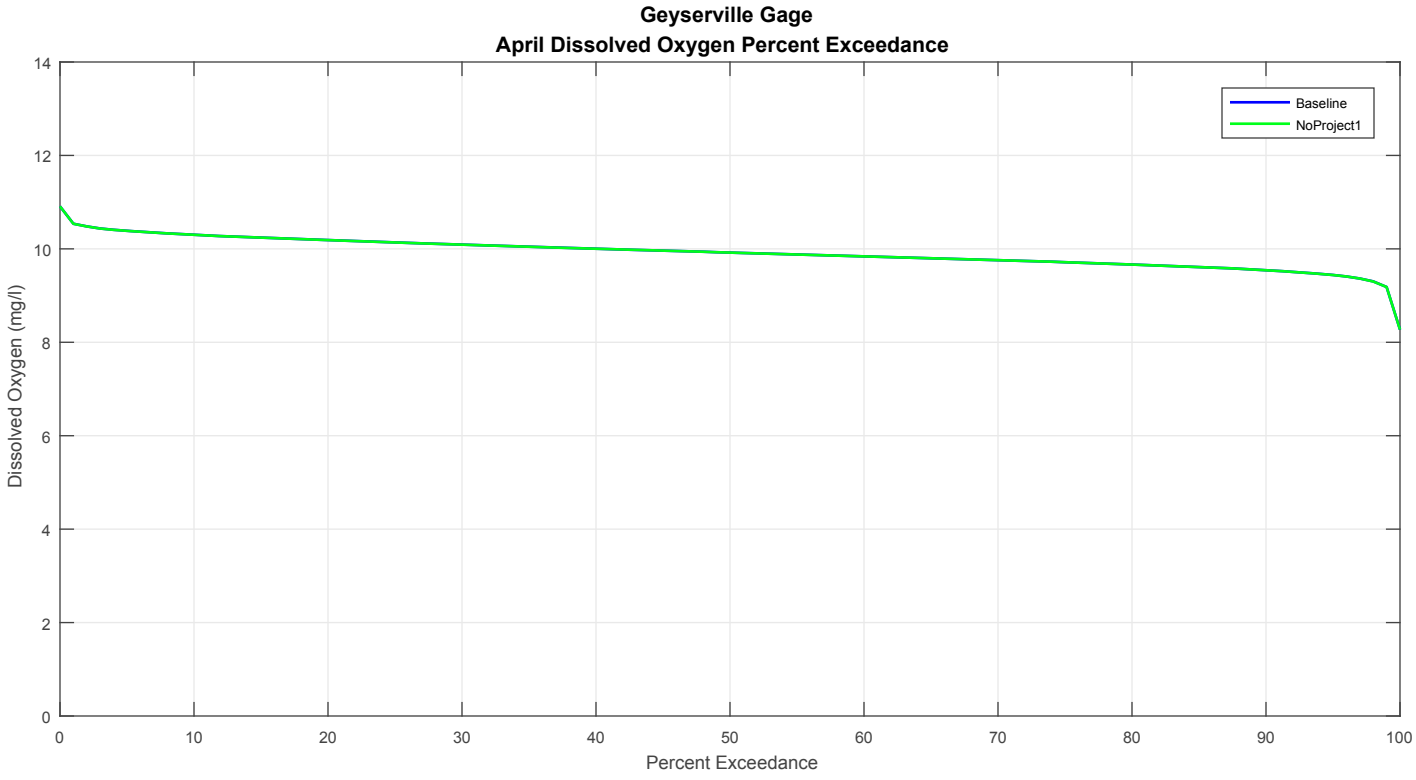
Geyserville Gage
April Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
0
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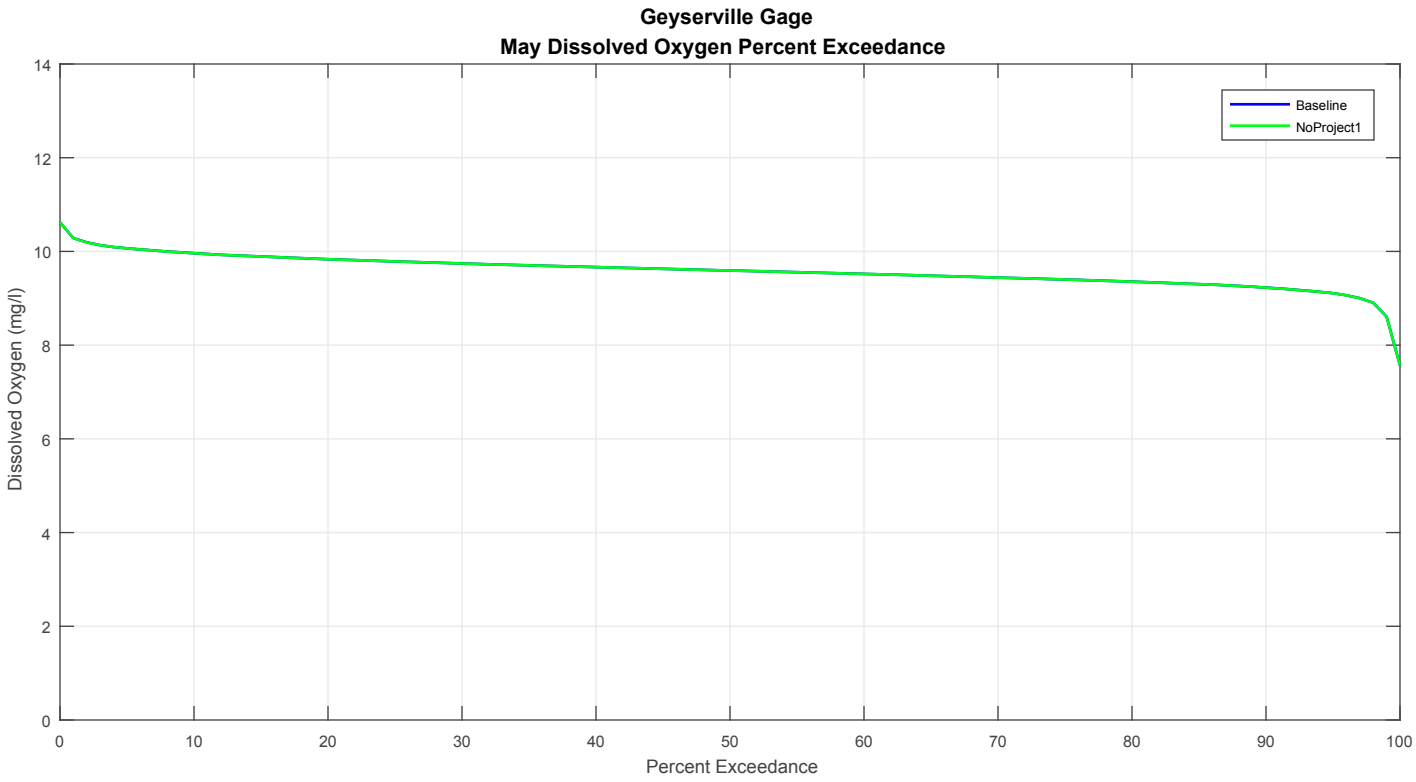
Geyserville Gage
May Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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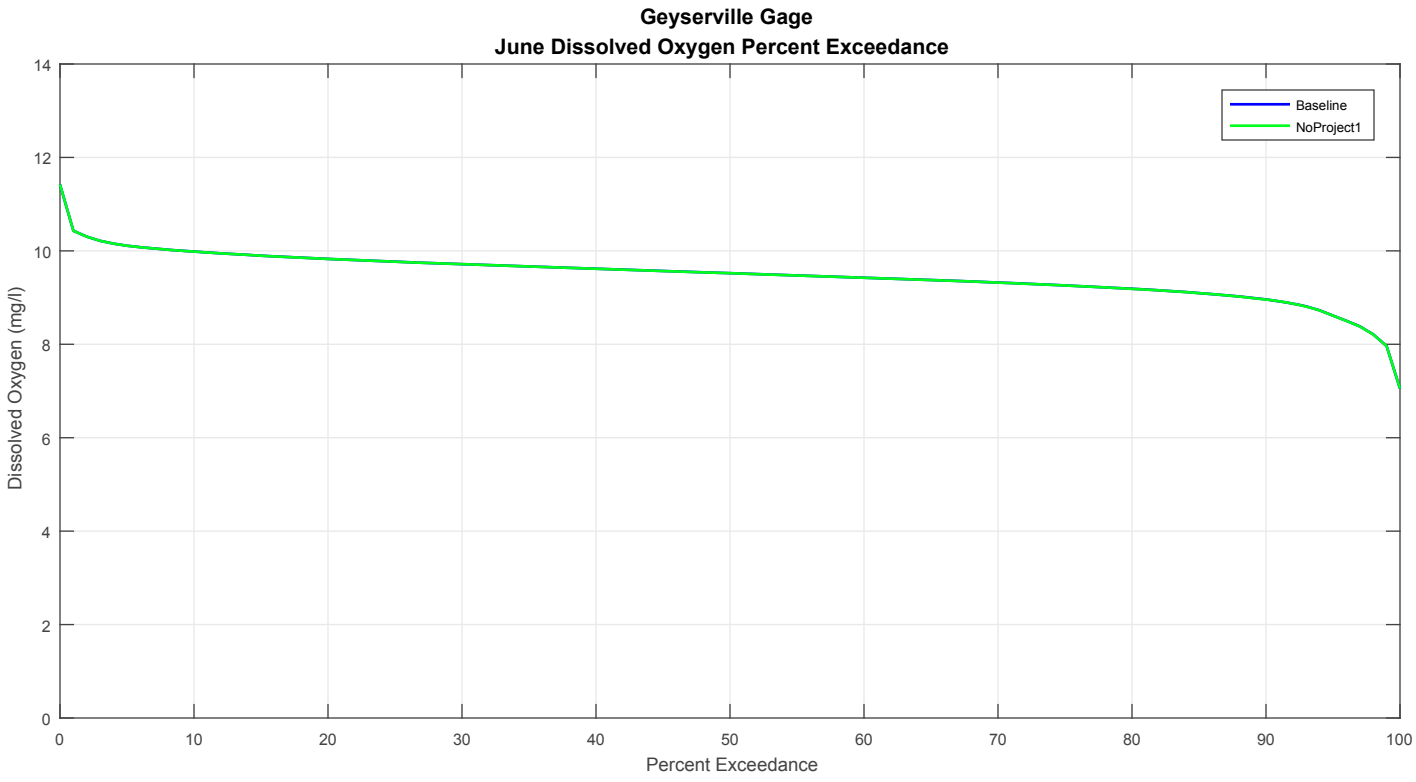
Geyserville Gage
June Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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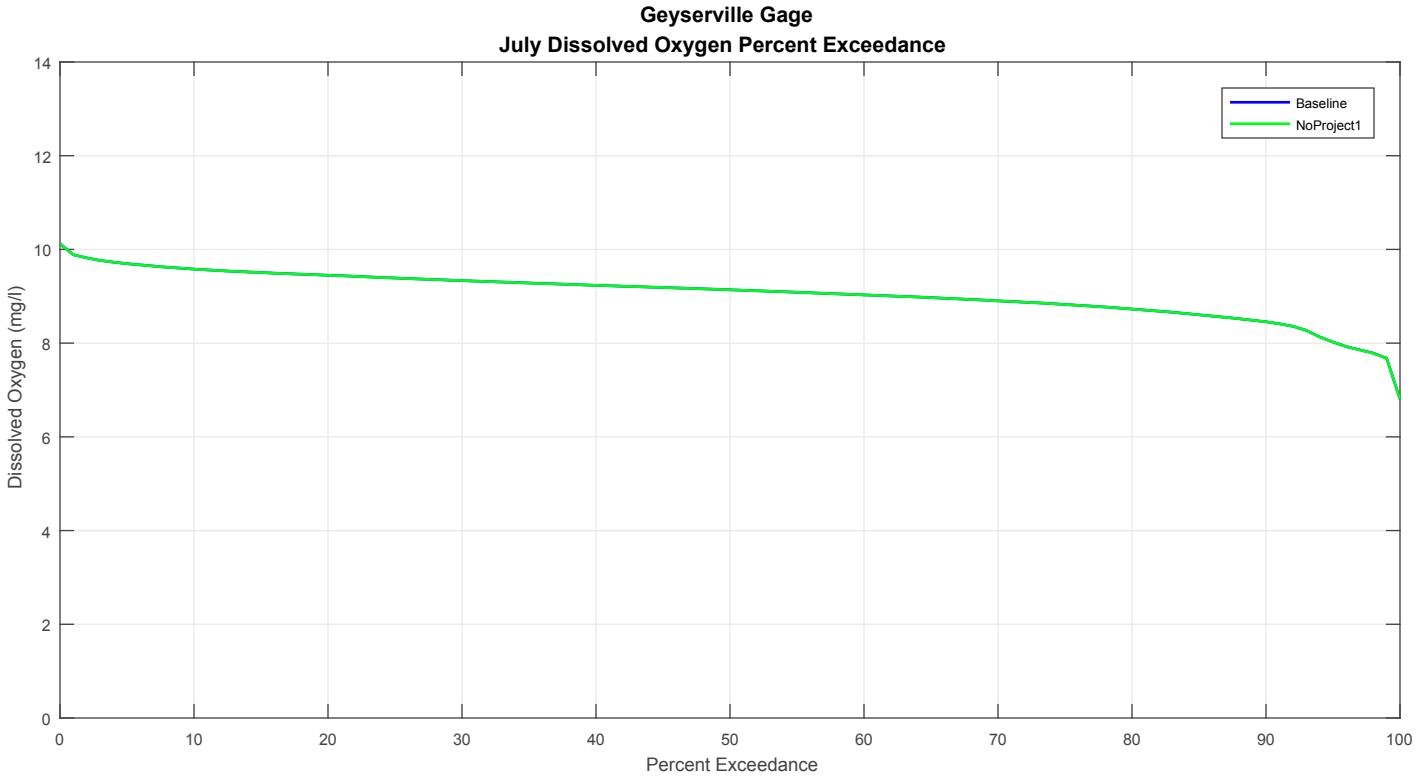
Geyserville Gage
July Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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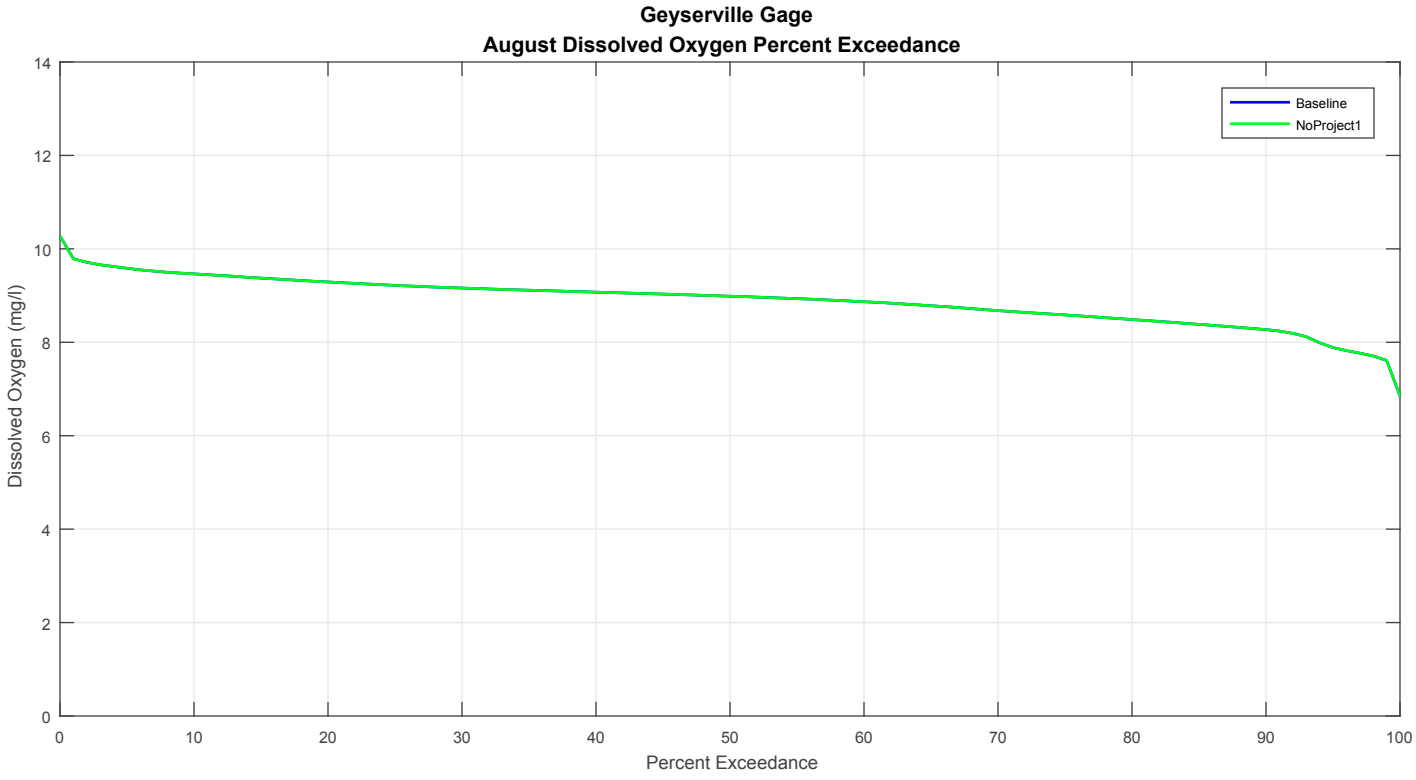
Geyserville Gage
August Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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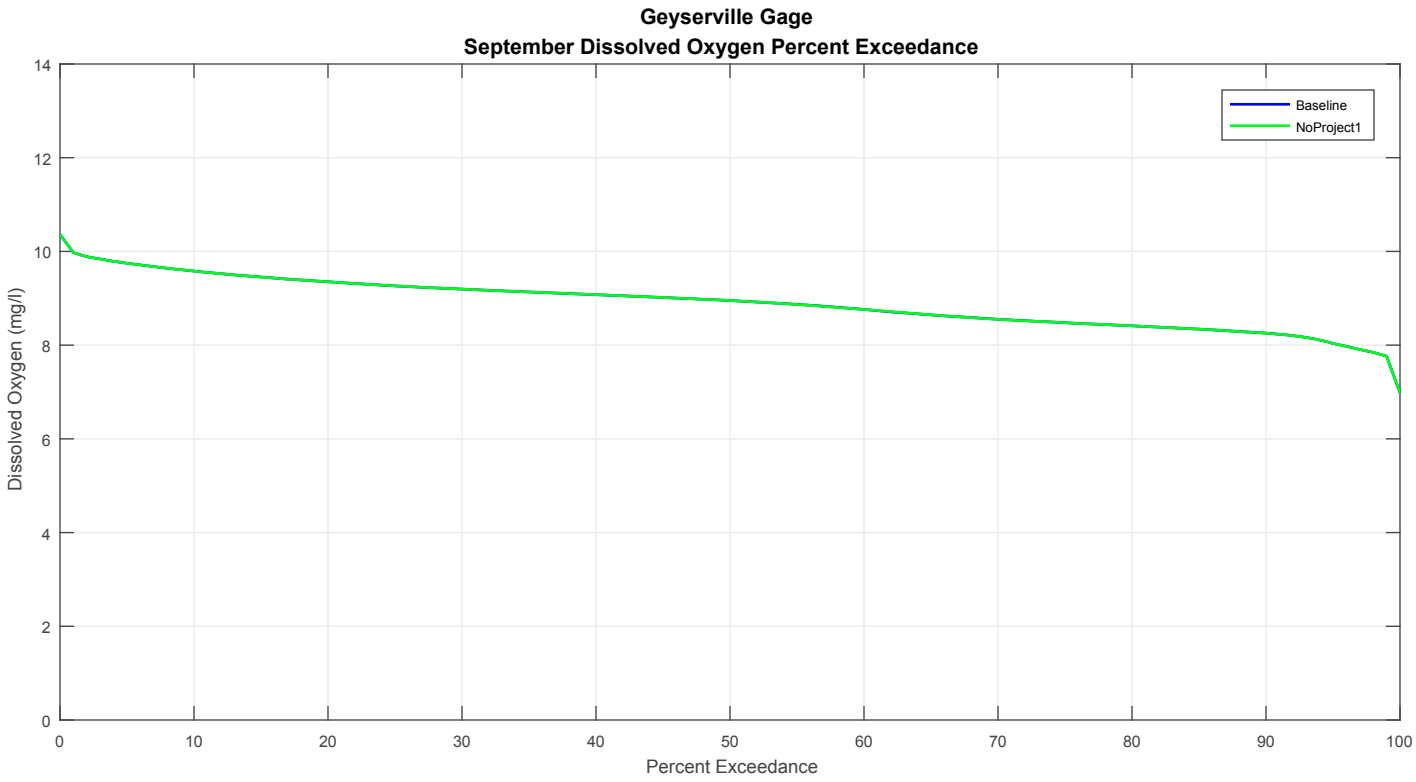
Geyserville Gage
September Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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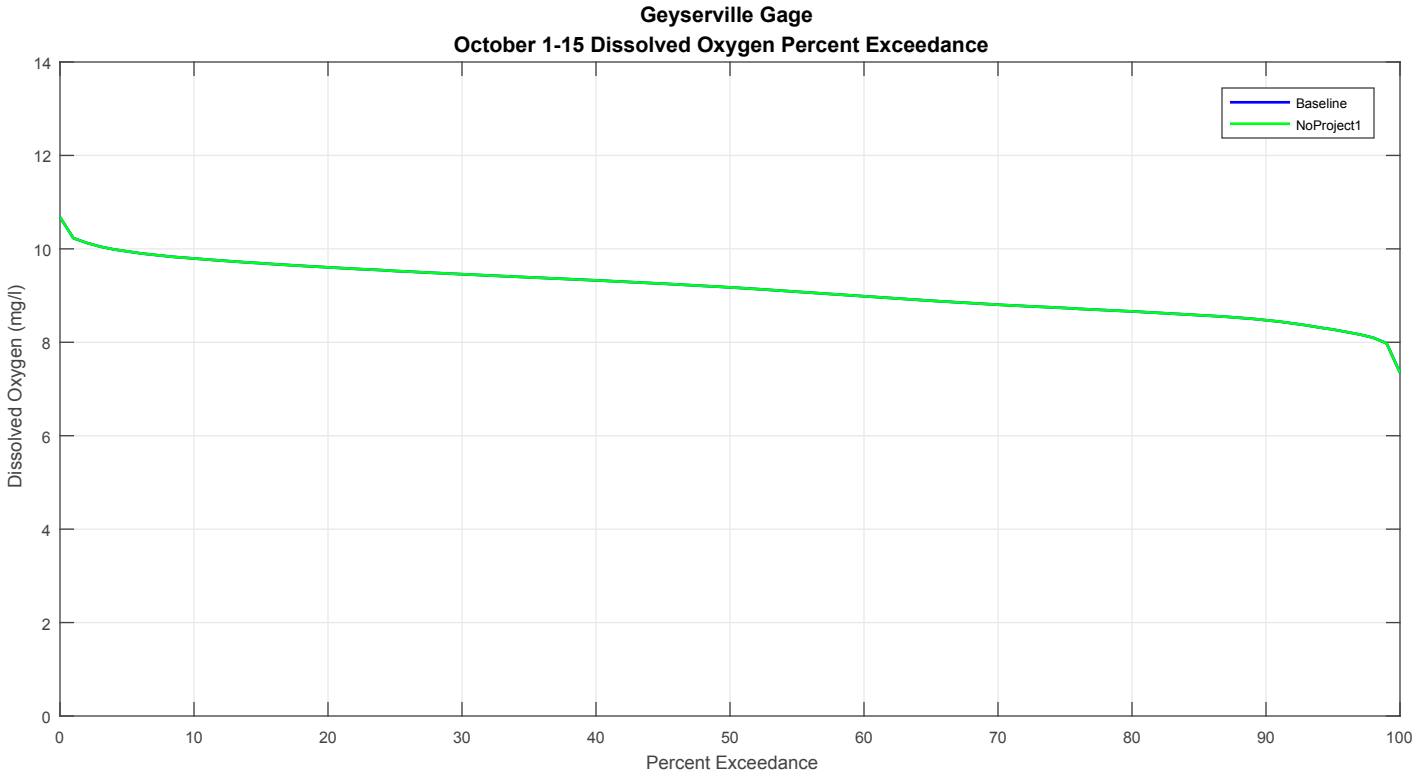
Geyserville Gage
October 1-15 Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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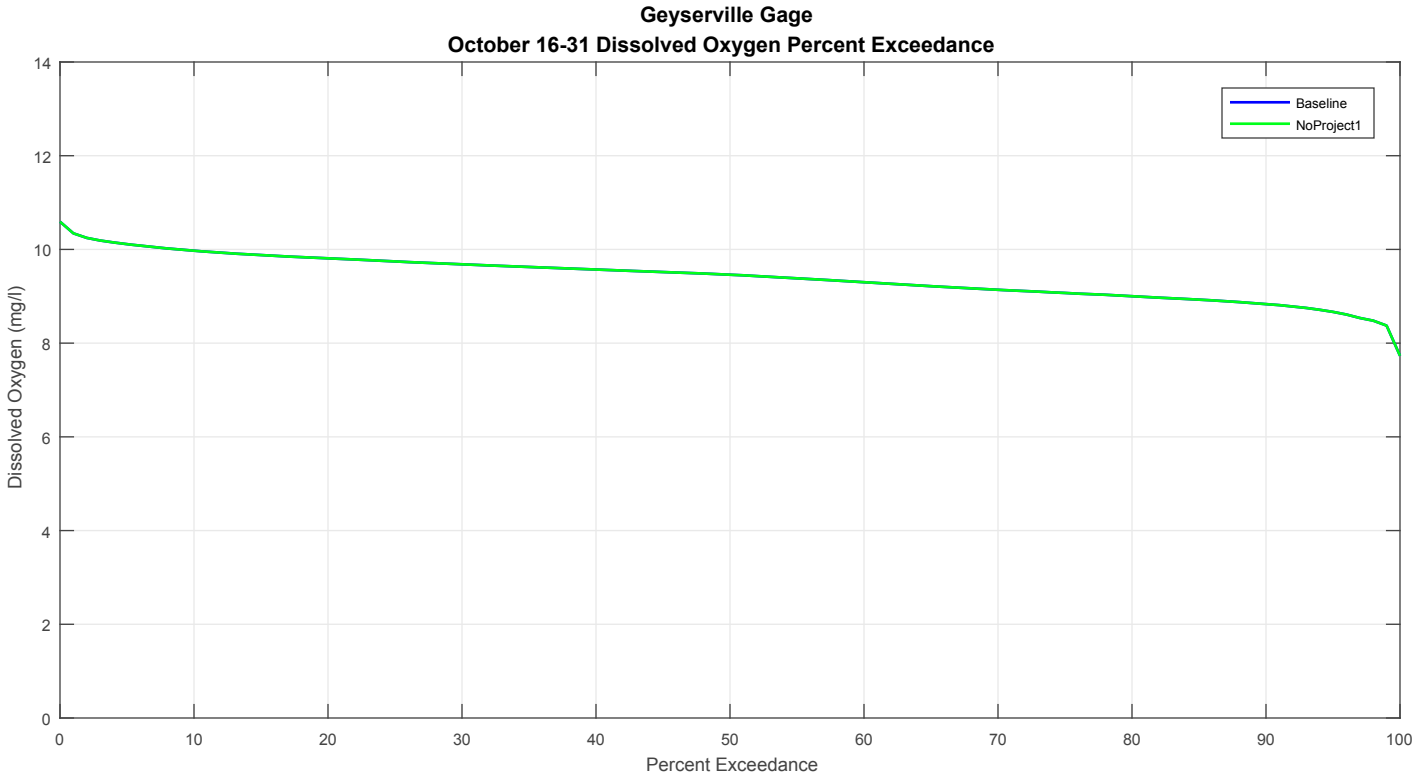
Geyserville Gage
October 16-31 Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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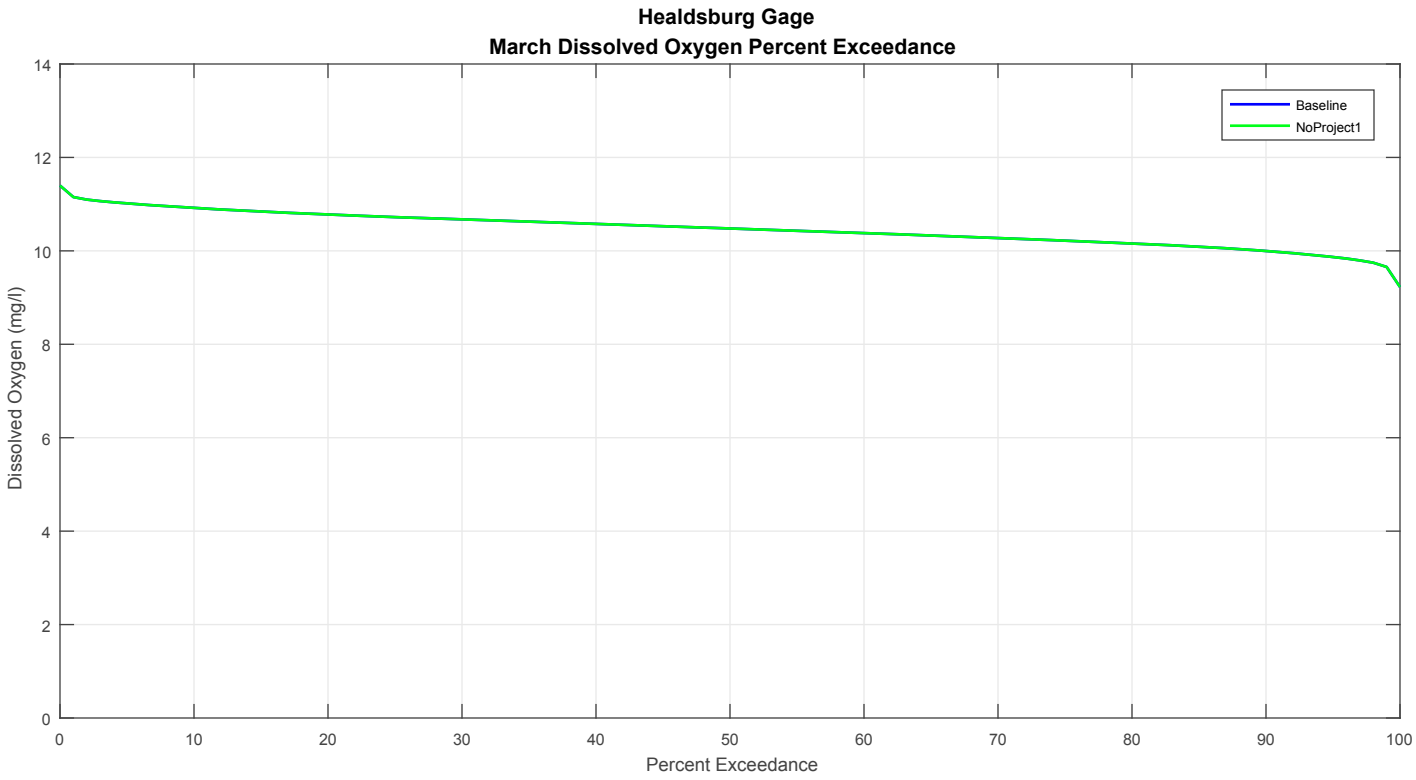
Healdsburg Gage
March Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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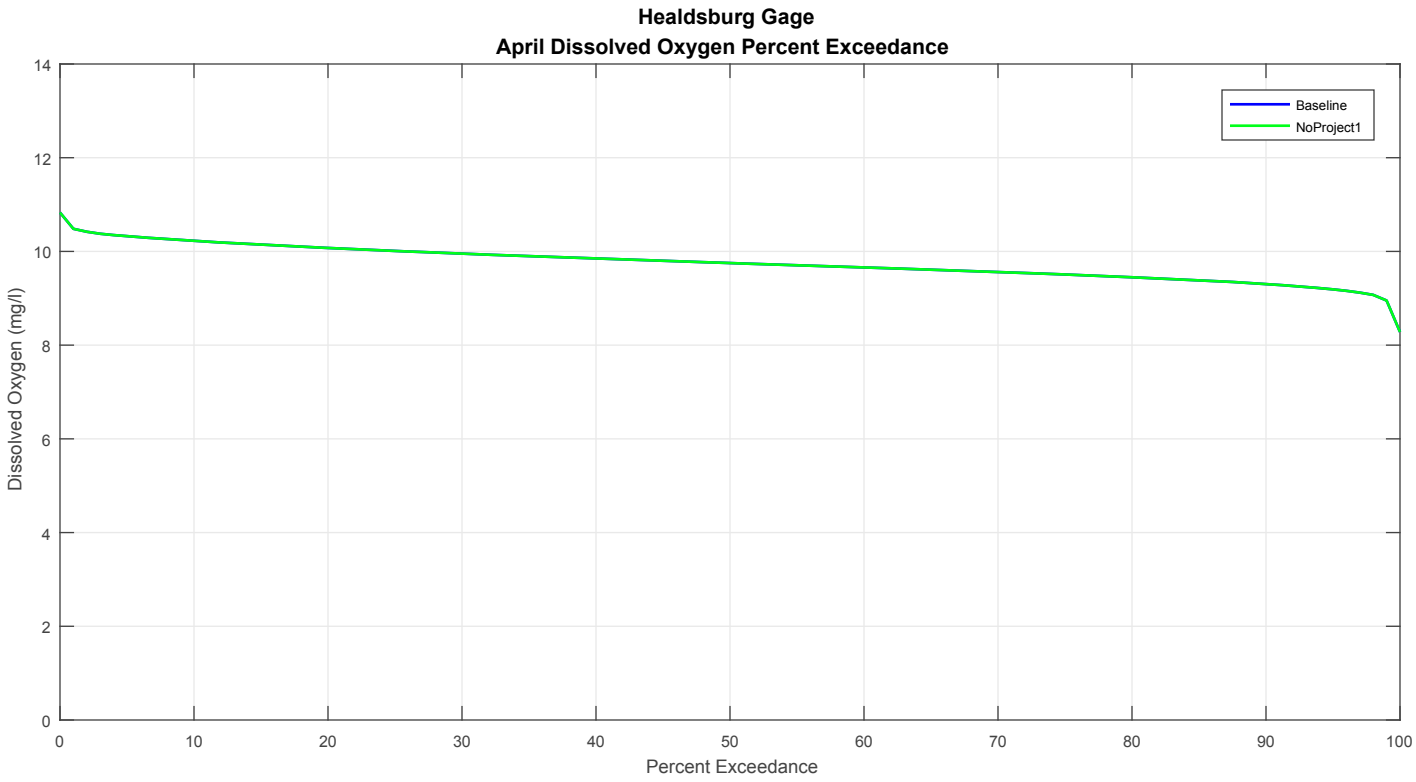
Healdsburg Gage
April Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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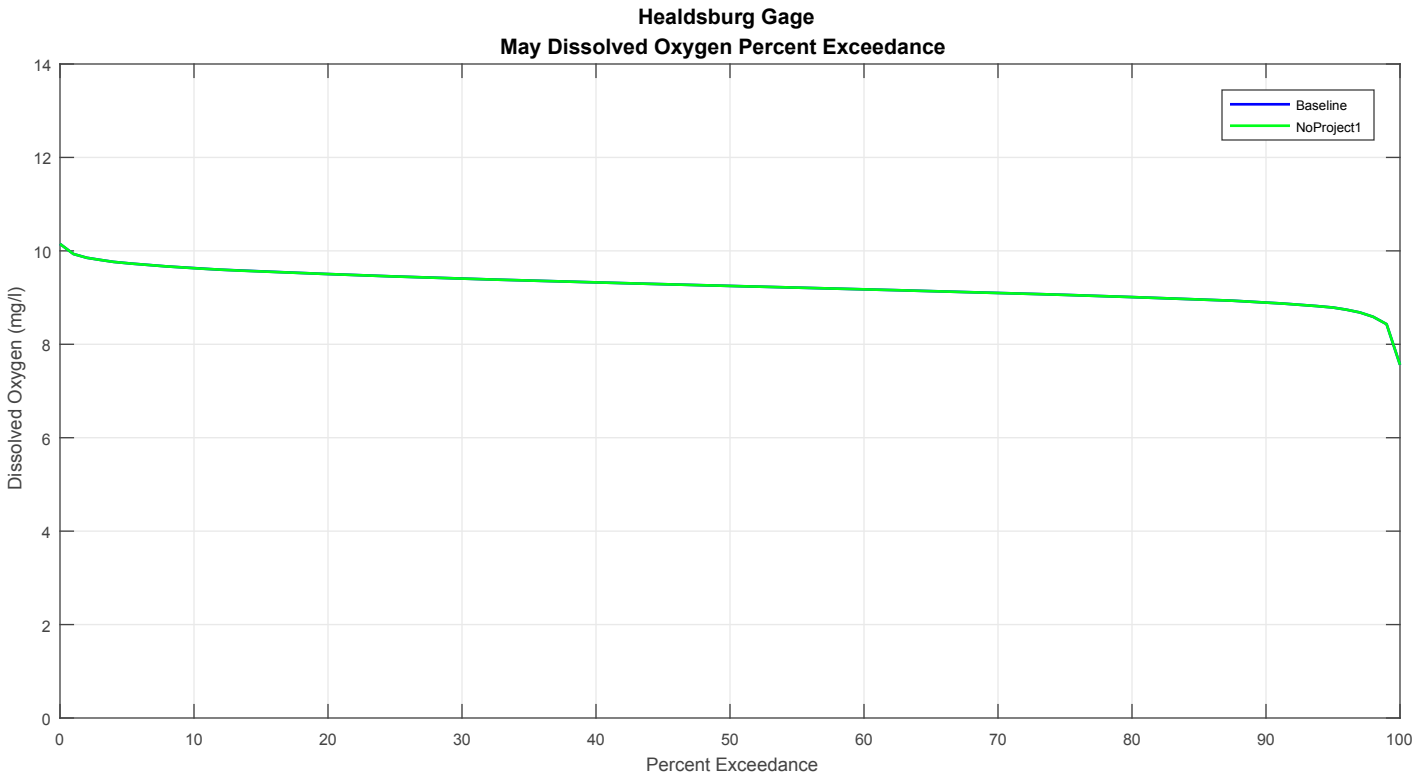
Healdsburg Gage
May Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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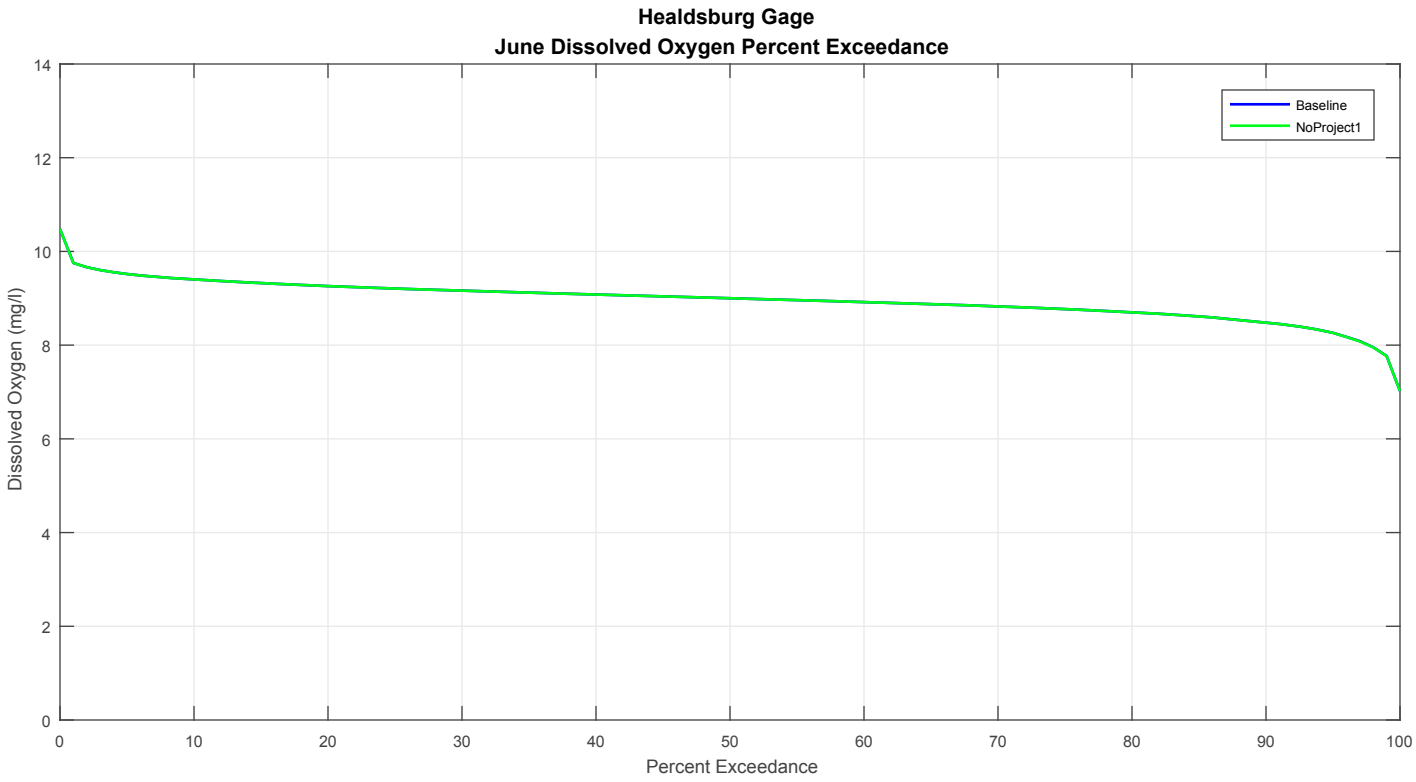
Healdsburg Gage
June Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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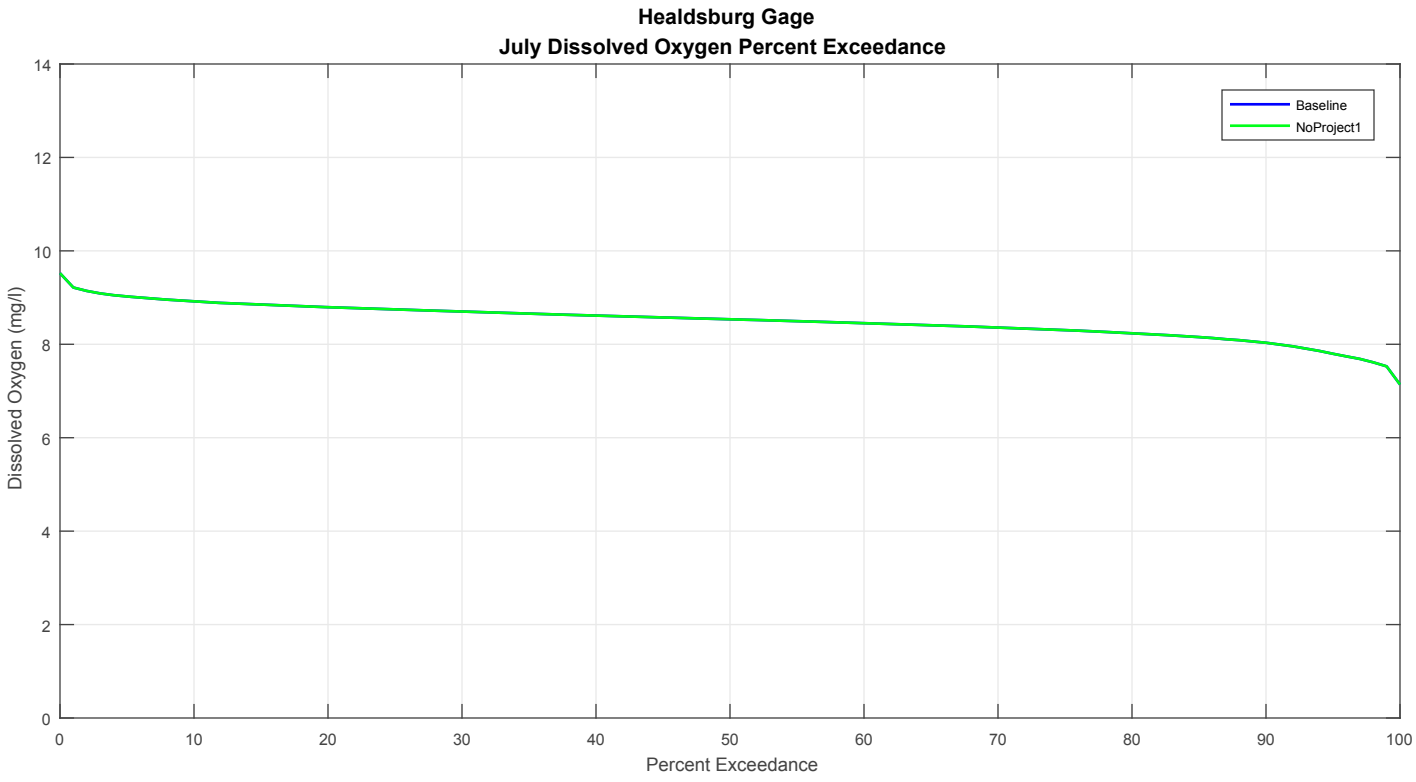
Healdsburg Gage
July Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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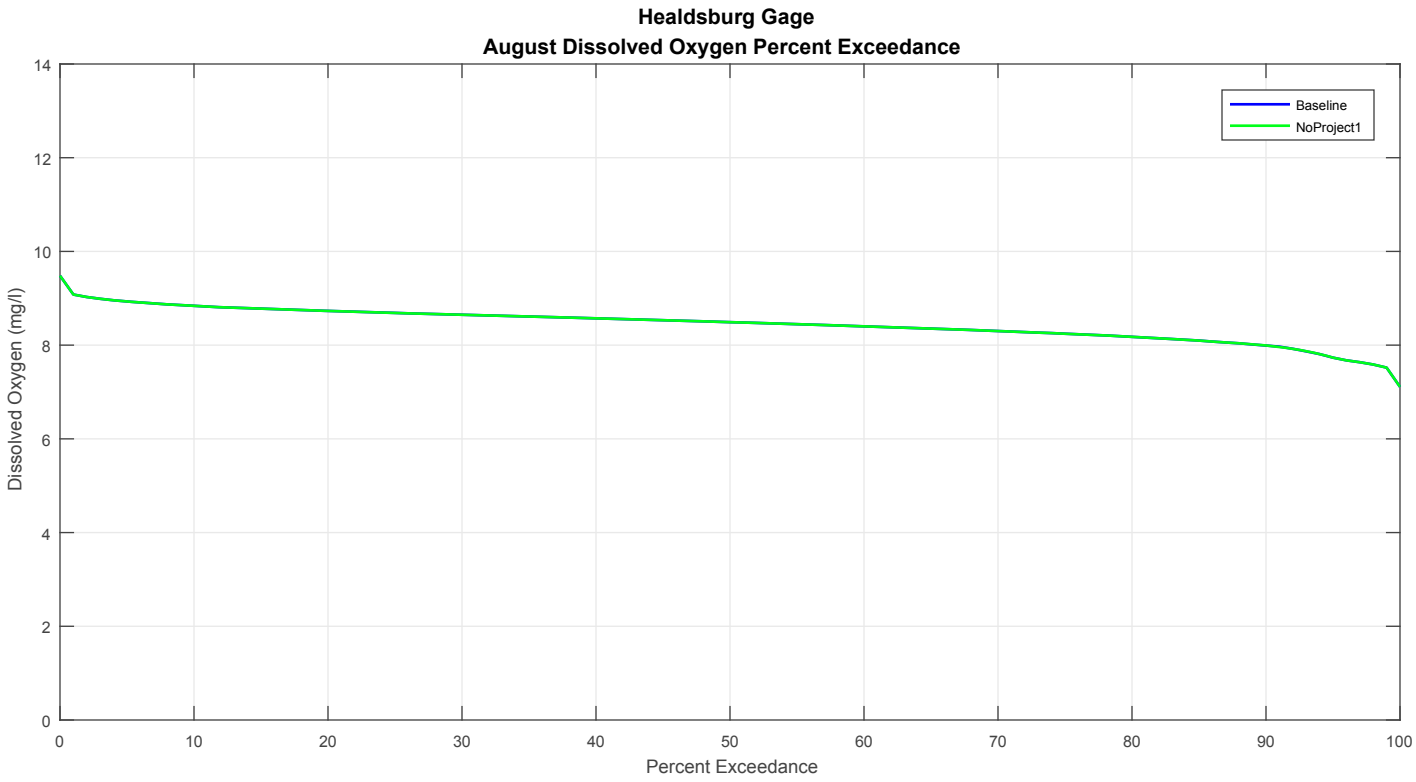
Healdsburg Gage
August Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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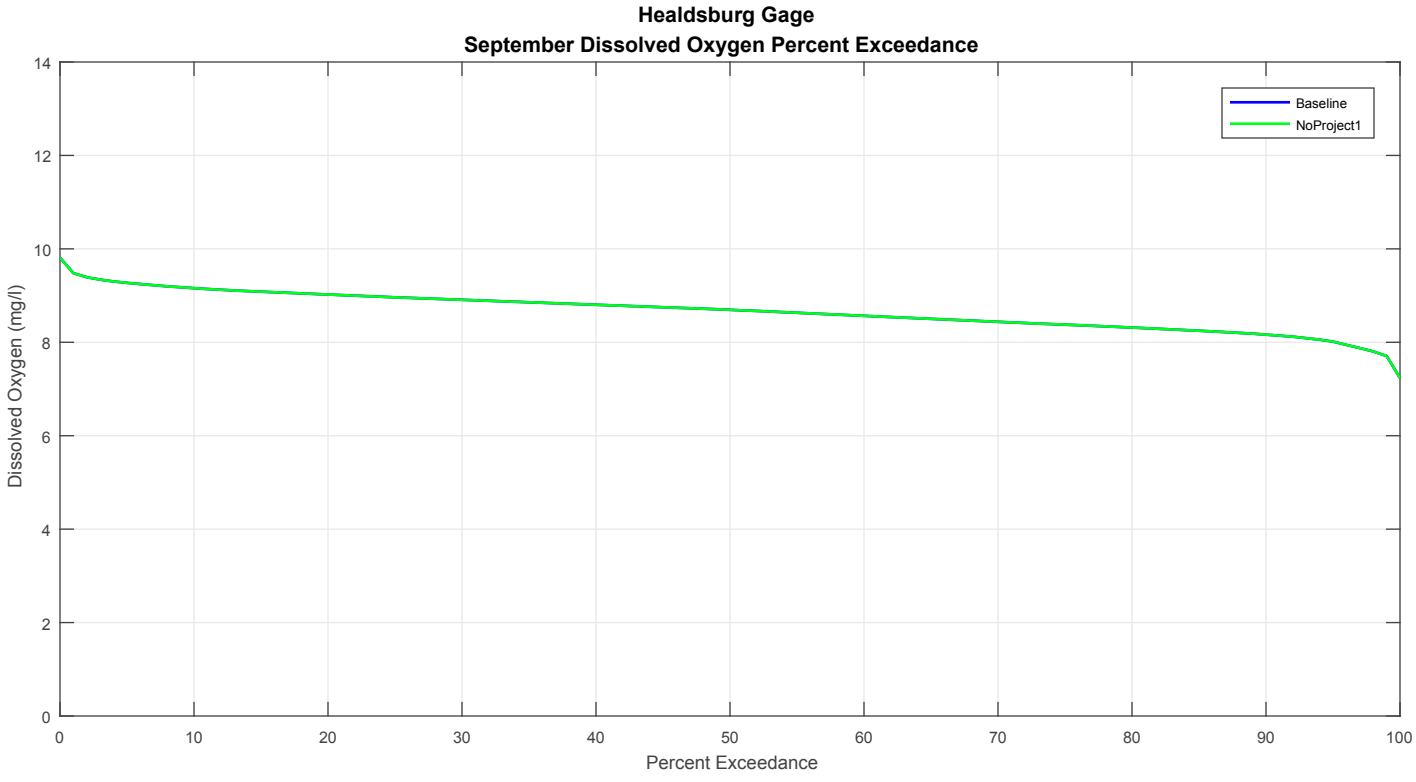
Healdsburg Gage
September Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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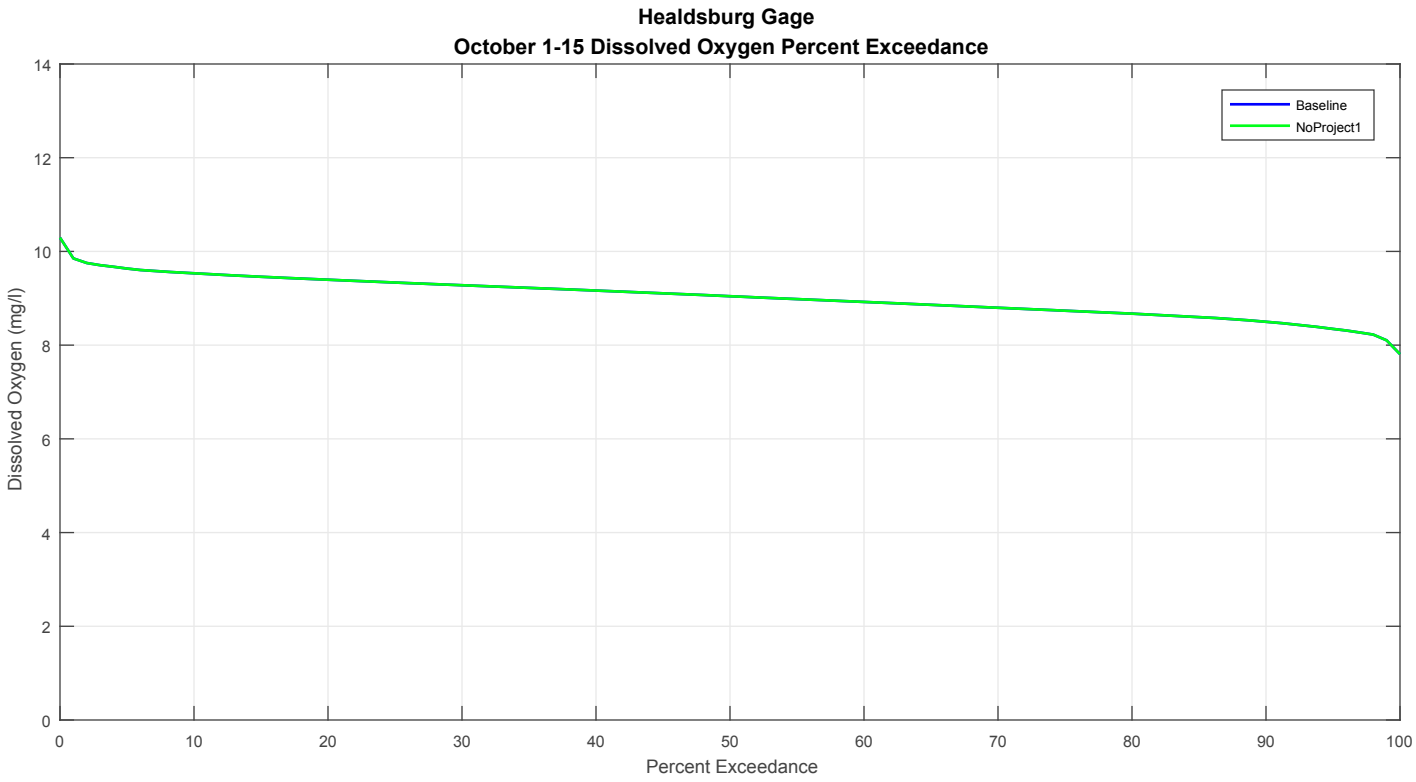
Healdsburg Gage
October 1-15 Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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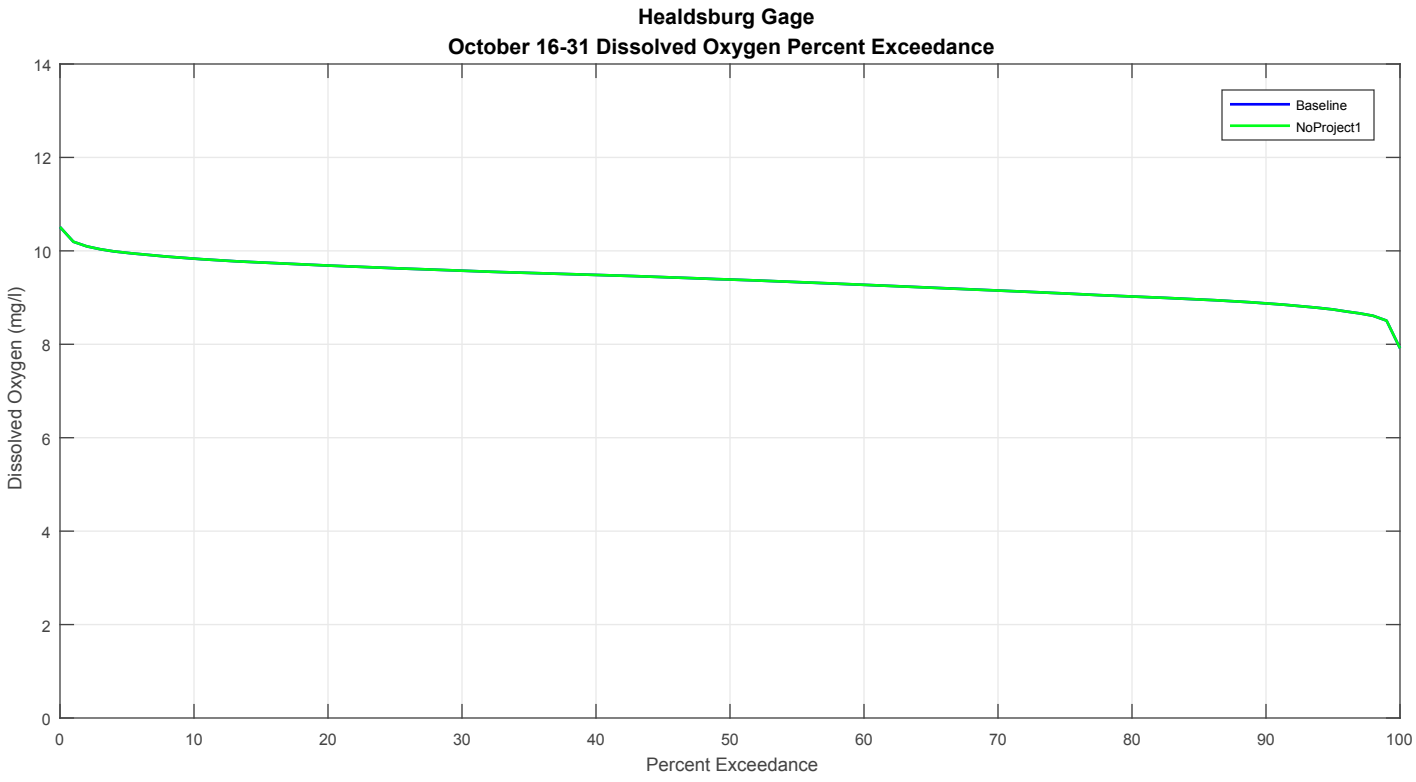
Healdsburg Gage
October 16-31 Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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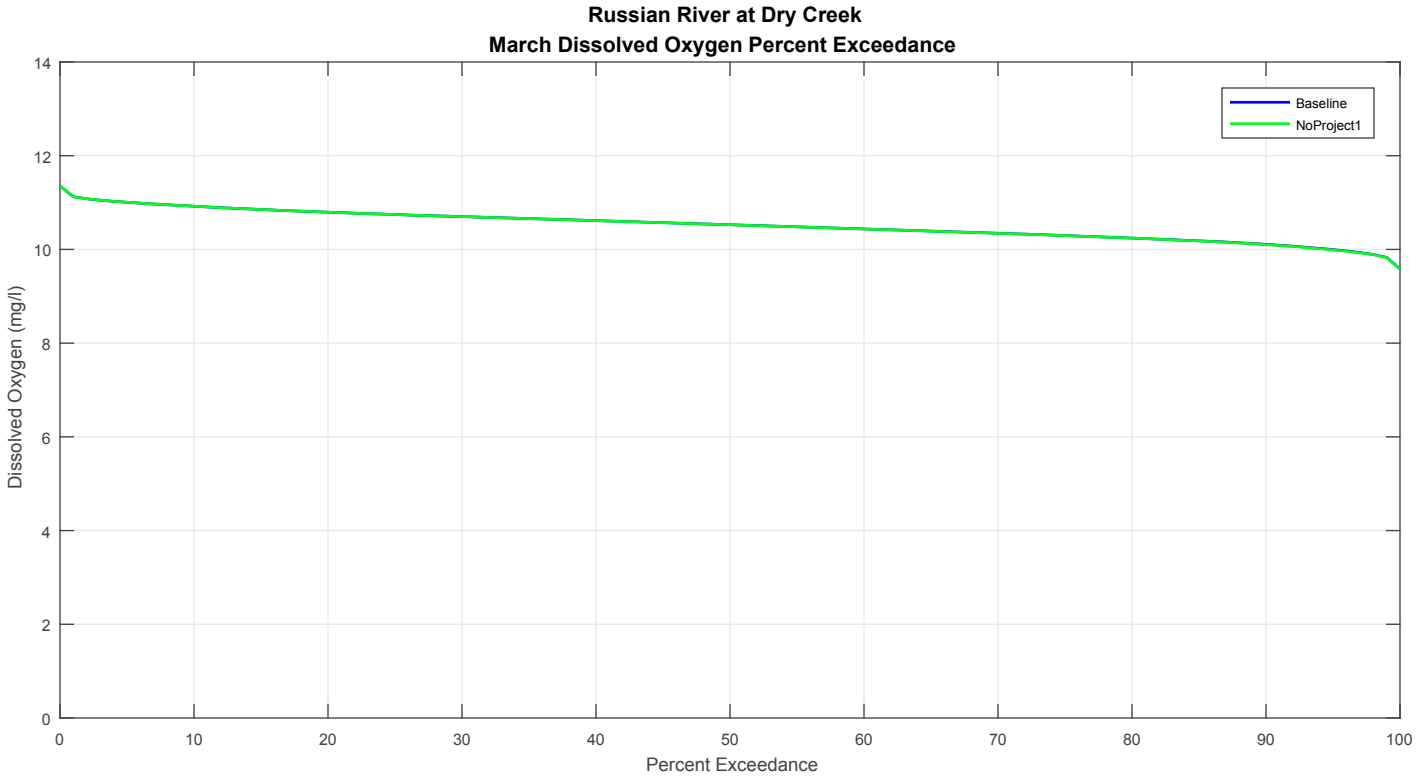
Russian River at Dry Creek
March Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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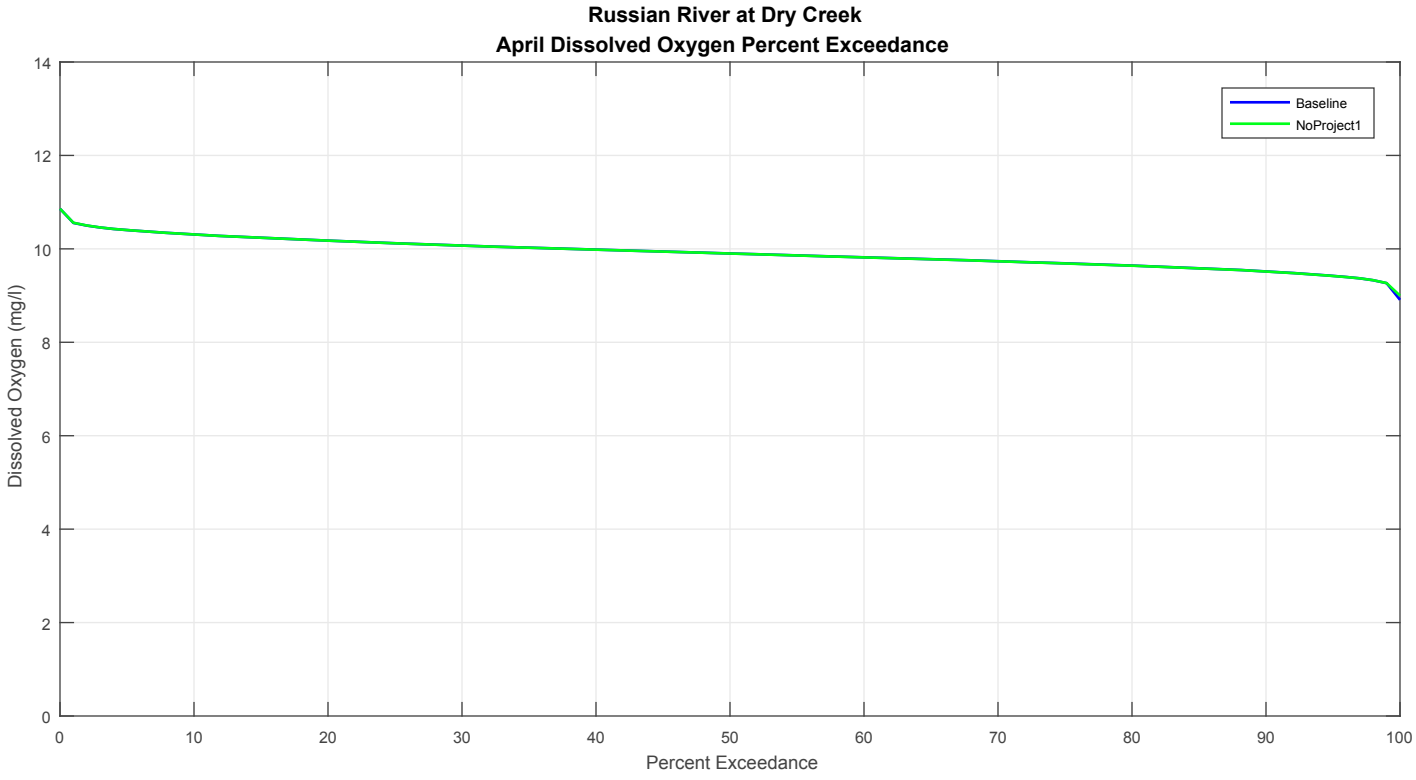
Russian River at Dry Creek
April Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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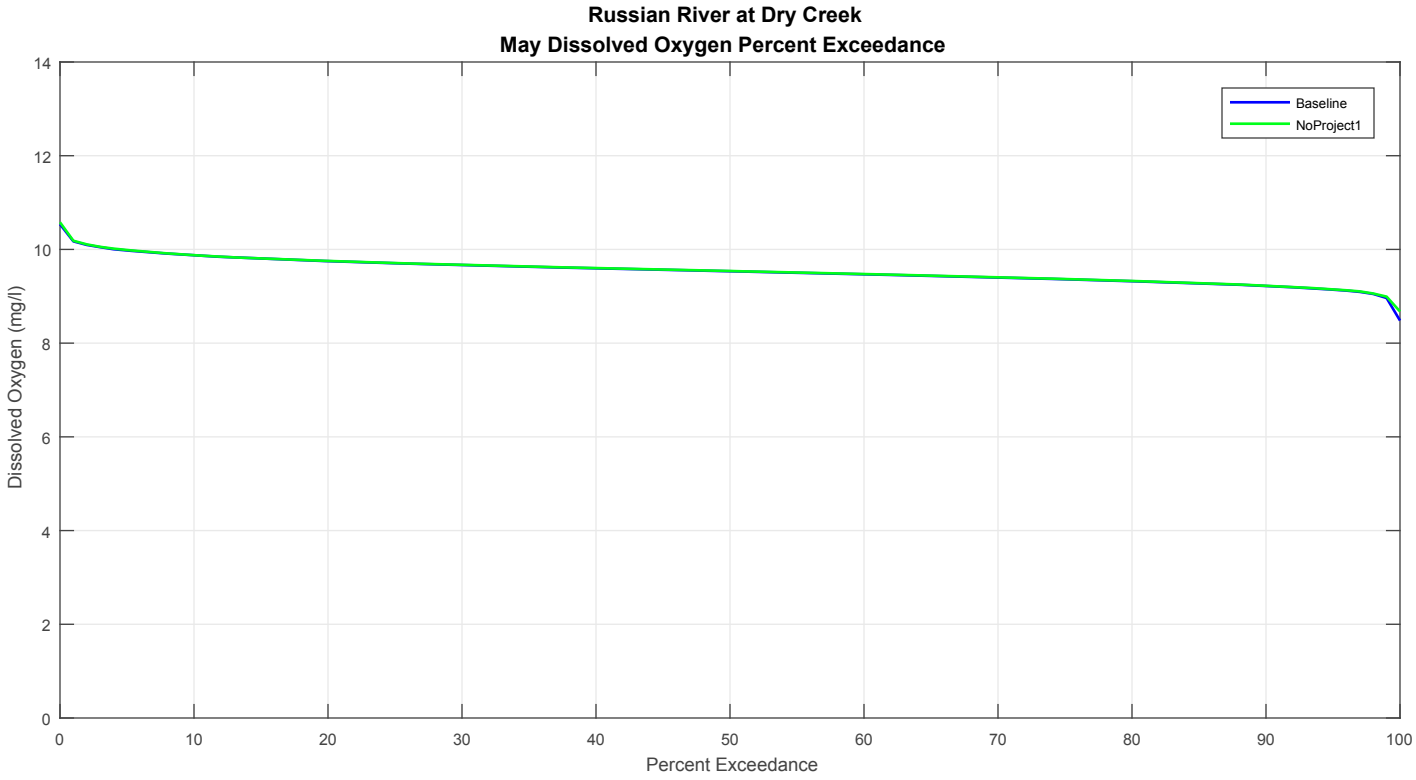
Russian River at Dry Creek
May Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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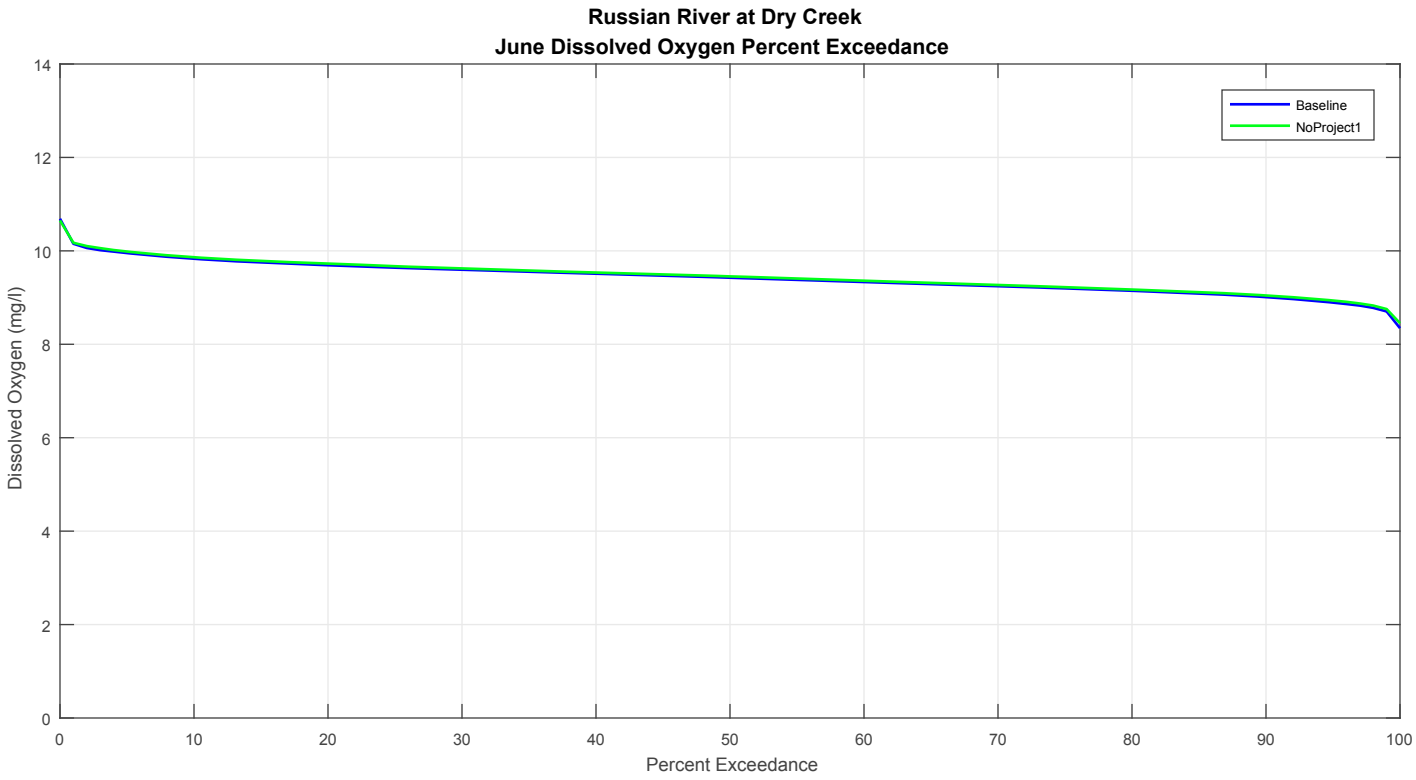
Russian River at Dry Creek
June Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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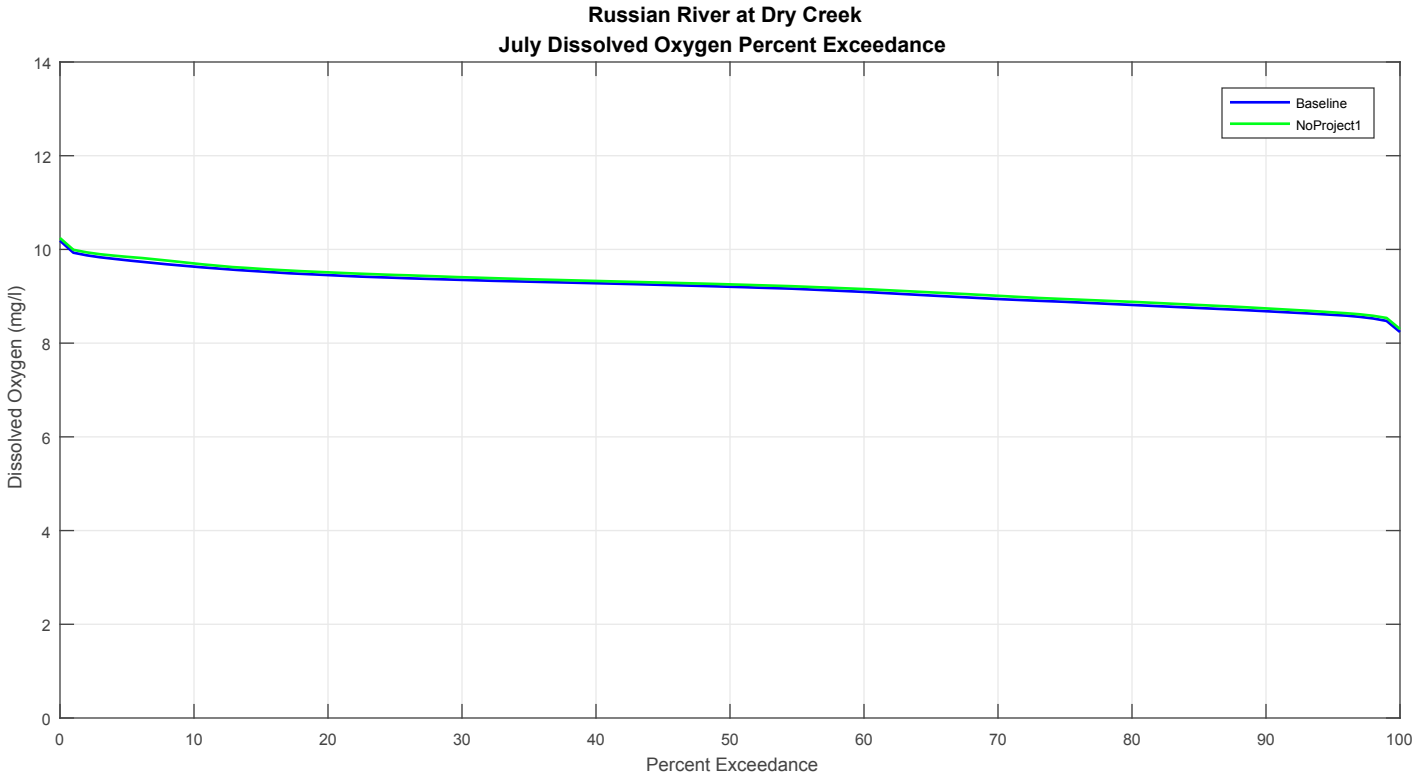
Russian River at Dry Creek
July Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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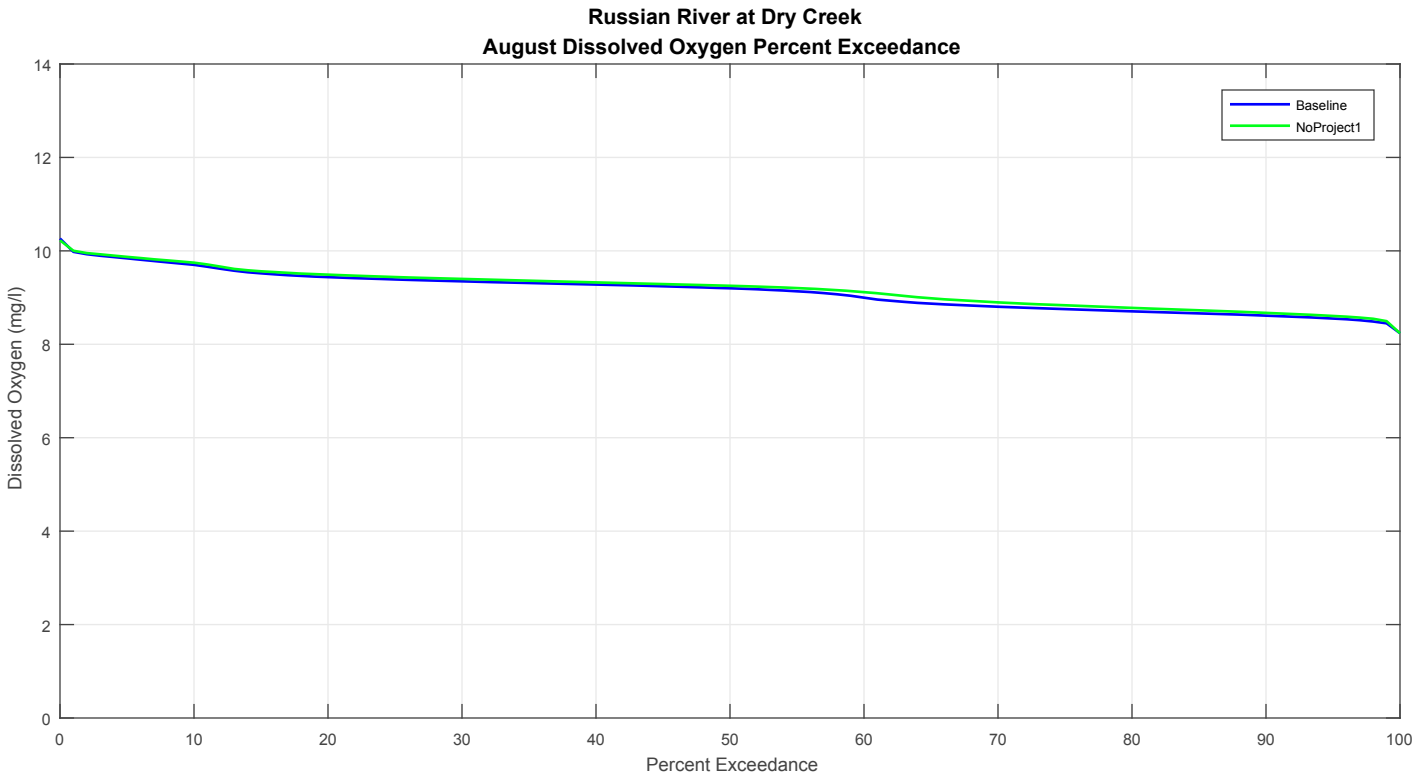
Russian River at Dry Creek
August Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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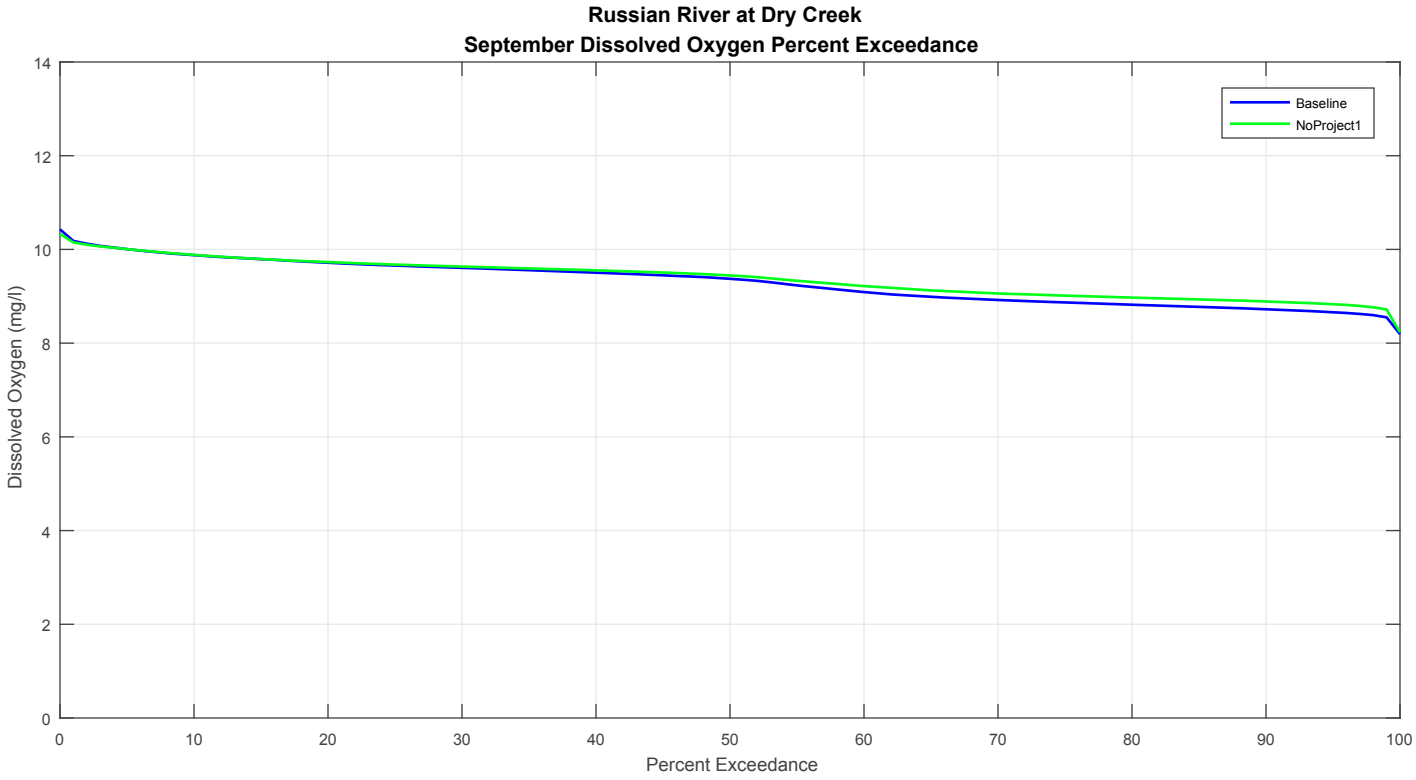
Russian River at Dry Creek
September Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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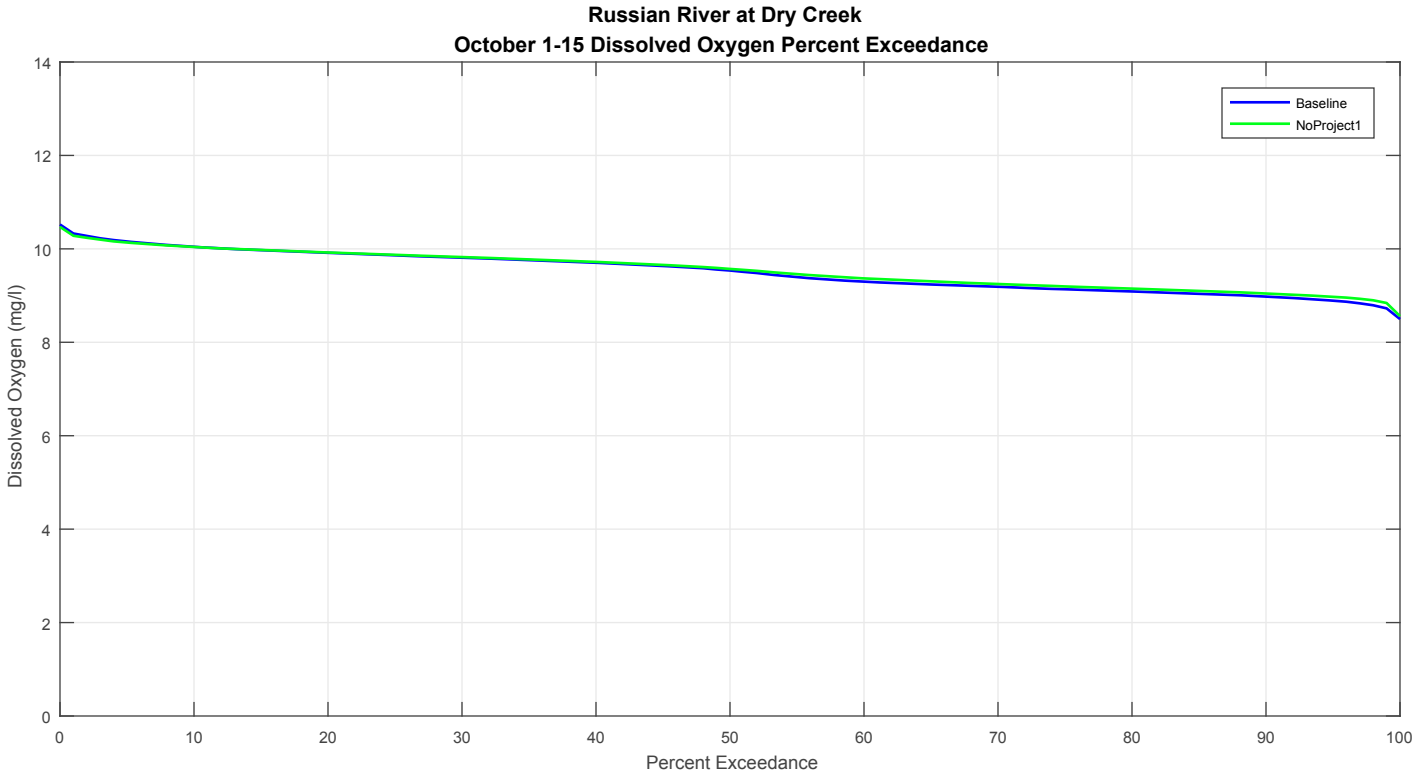
Russian River at Dry Creek
October 1-15 Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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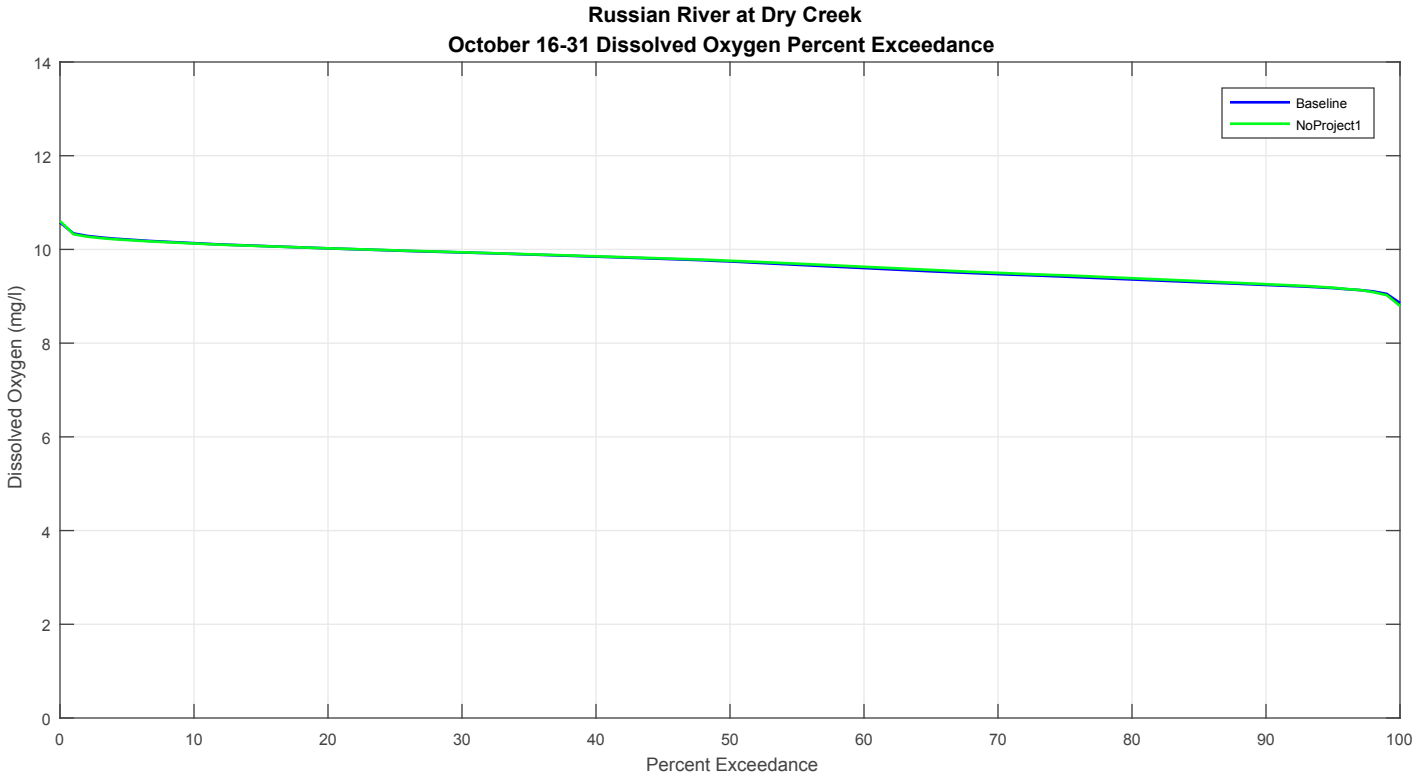
Russian River at Dry Creek
October 16-31 Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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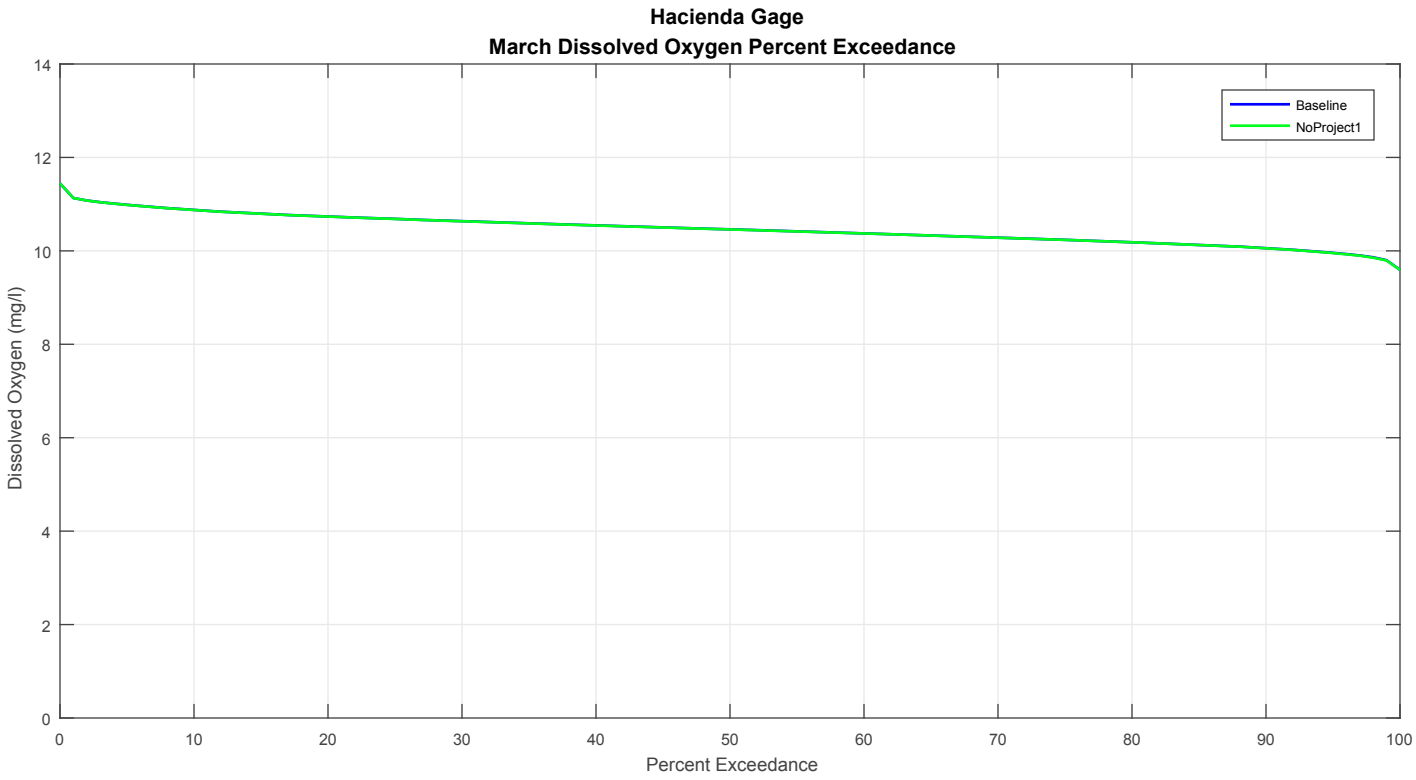
Hacienda Gage
March Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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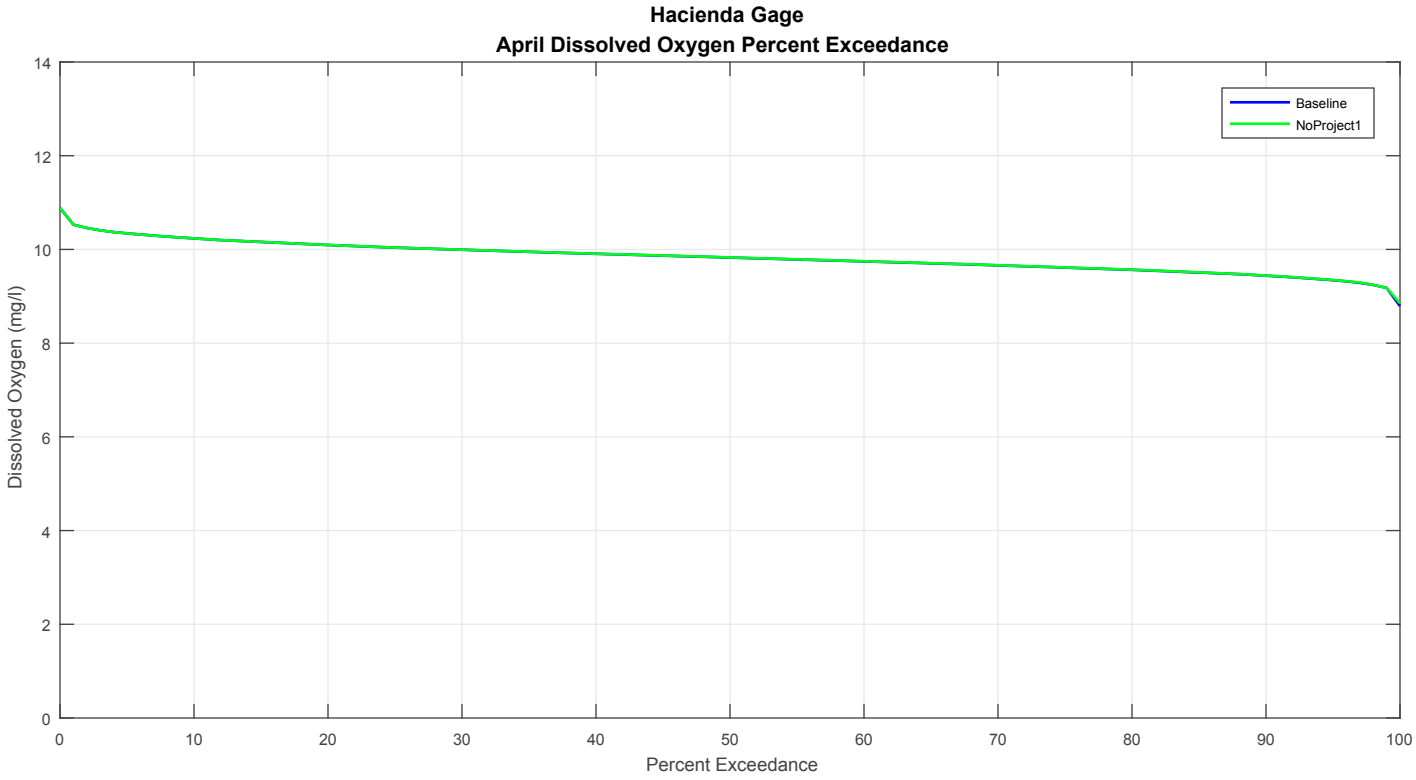
Hacienda Gage
April Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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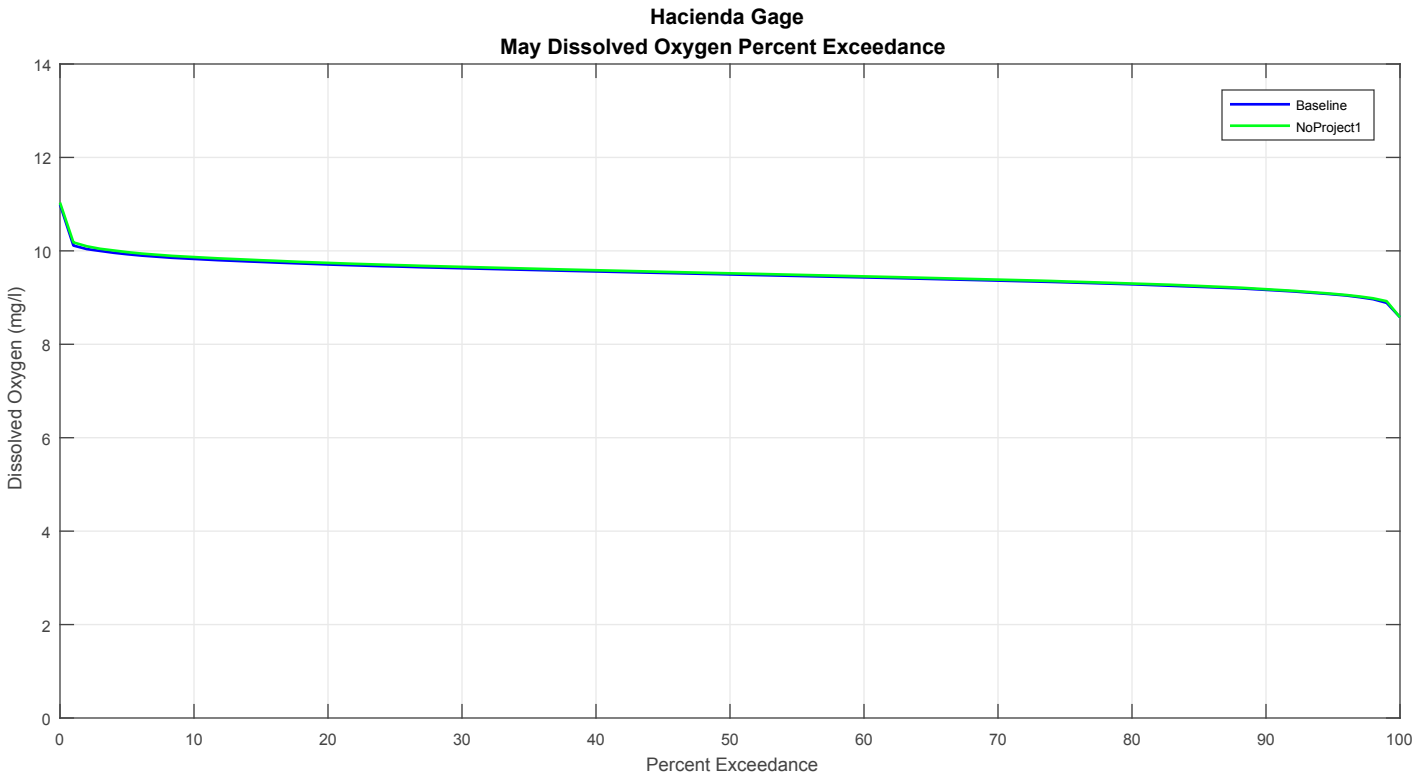
Hacienda Gage
May Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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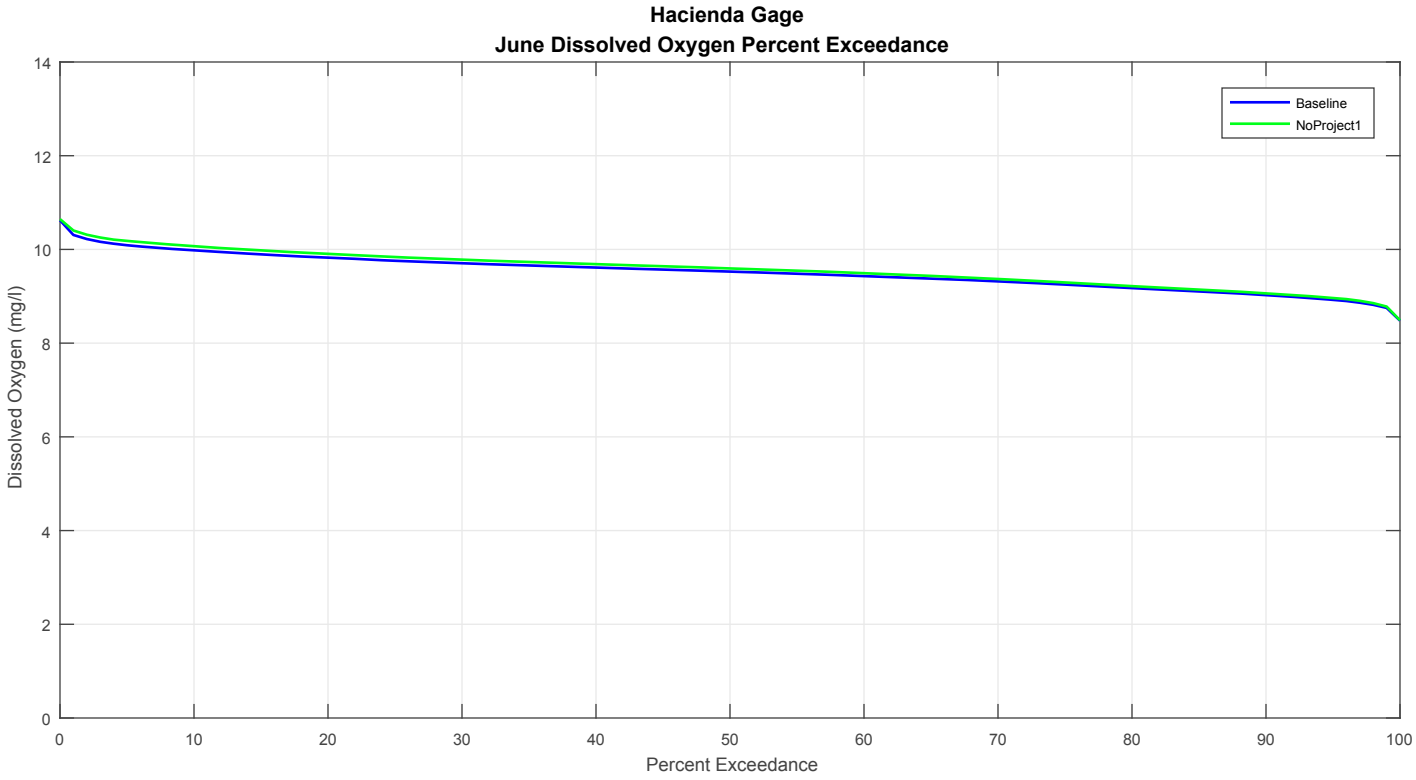
Hacienda Gage
June Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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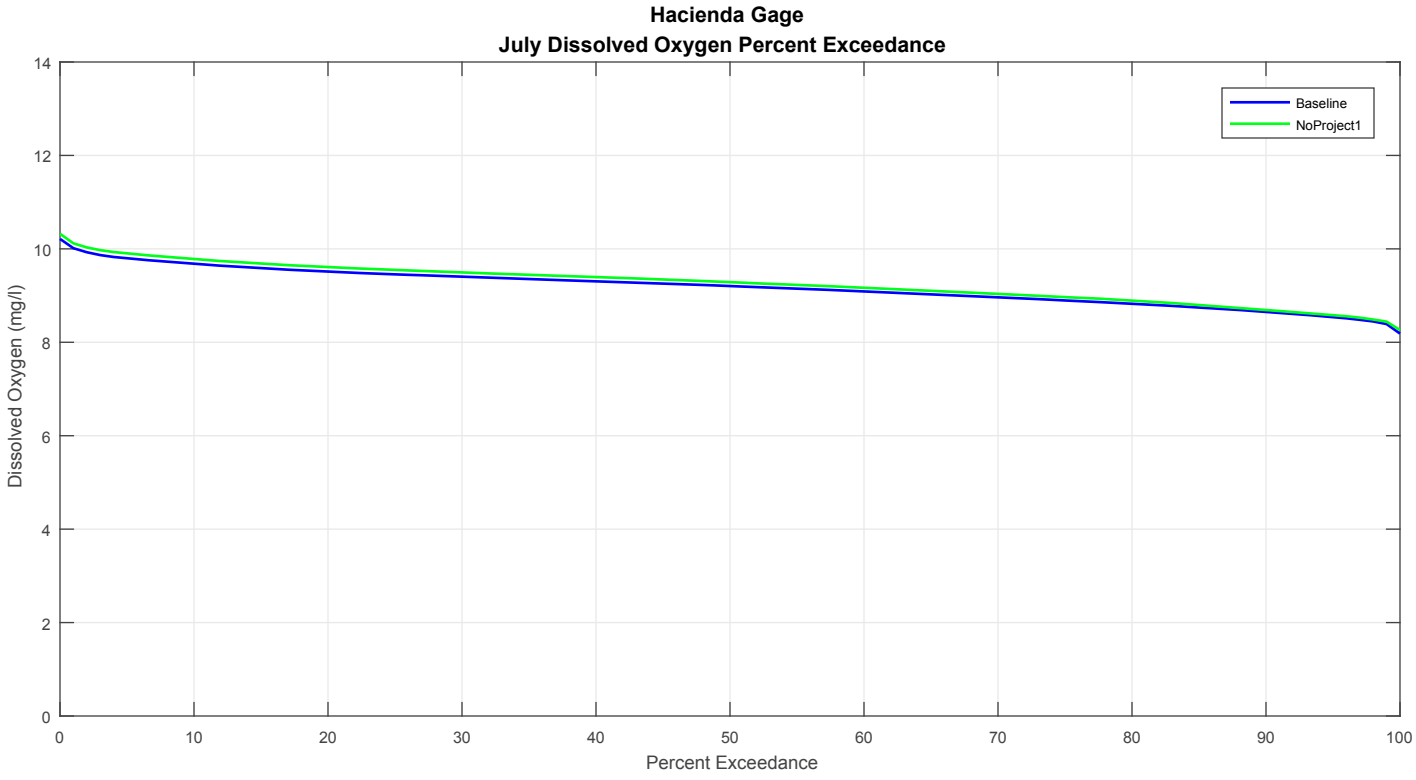
Hacienda Gage
July Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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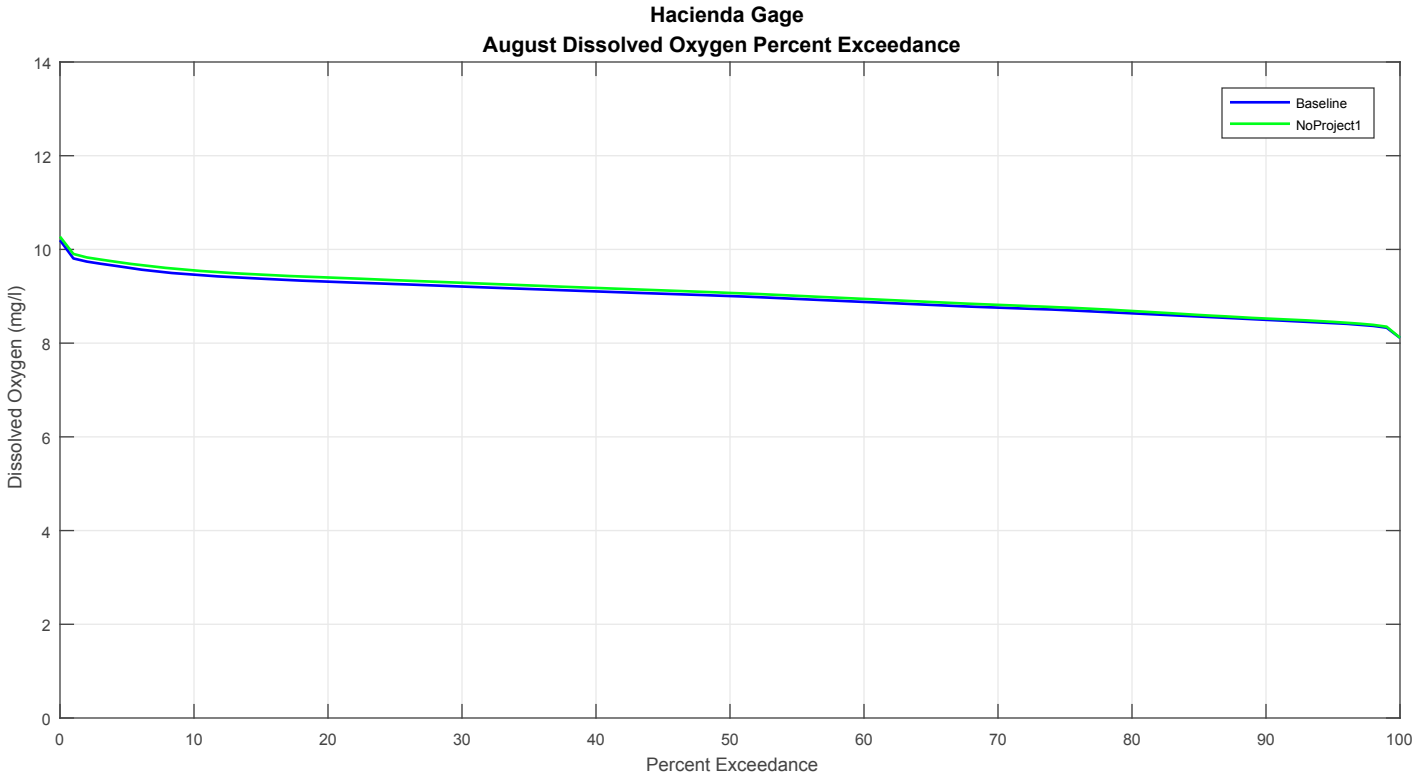
Hacienda Gage
August Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
14
0
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30
40
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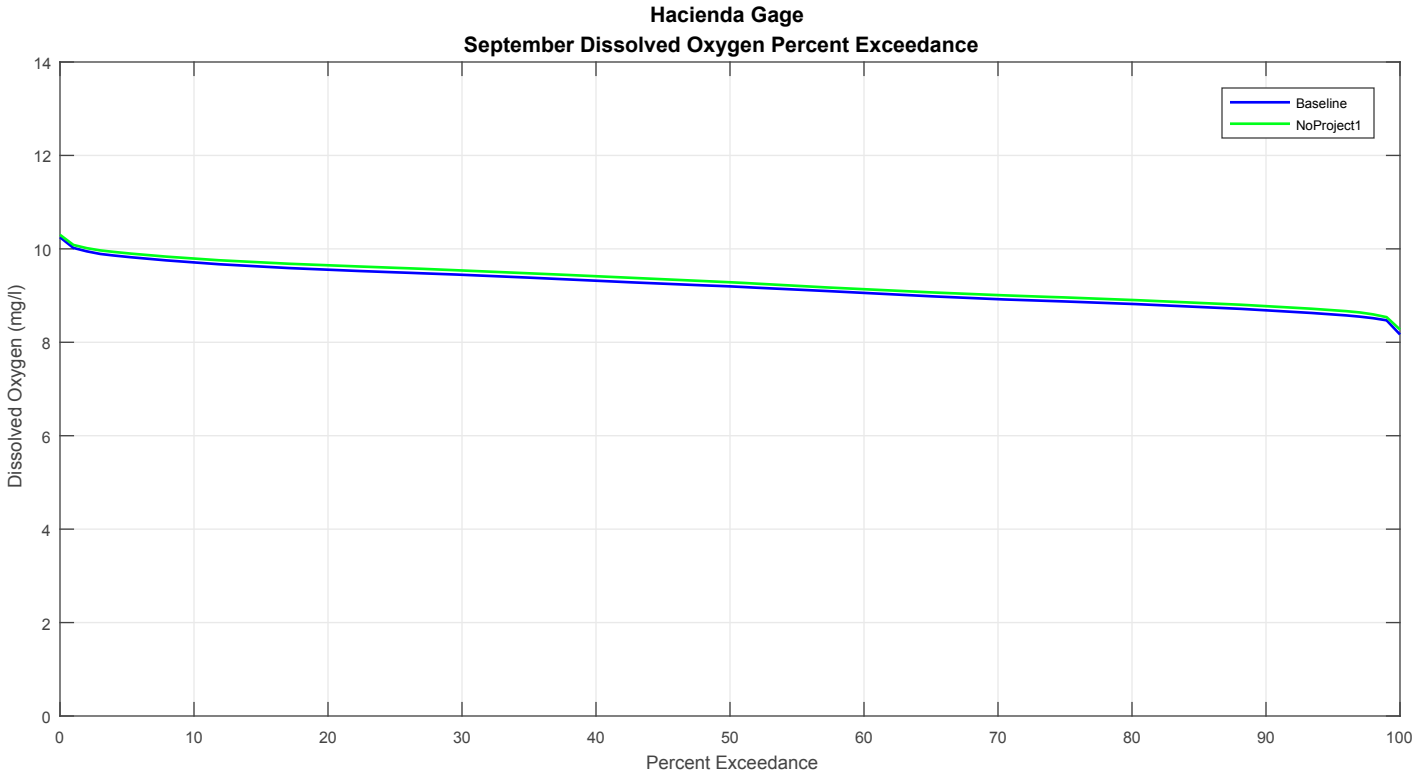
Hacienda Gage
September Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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2
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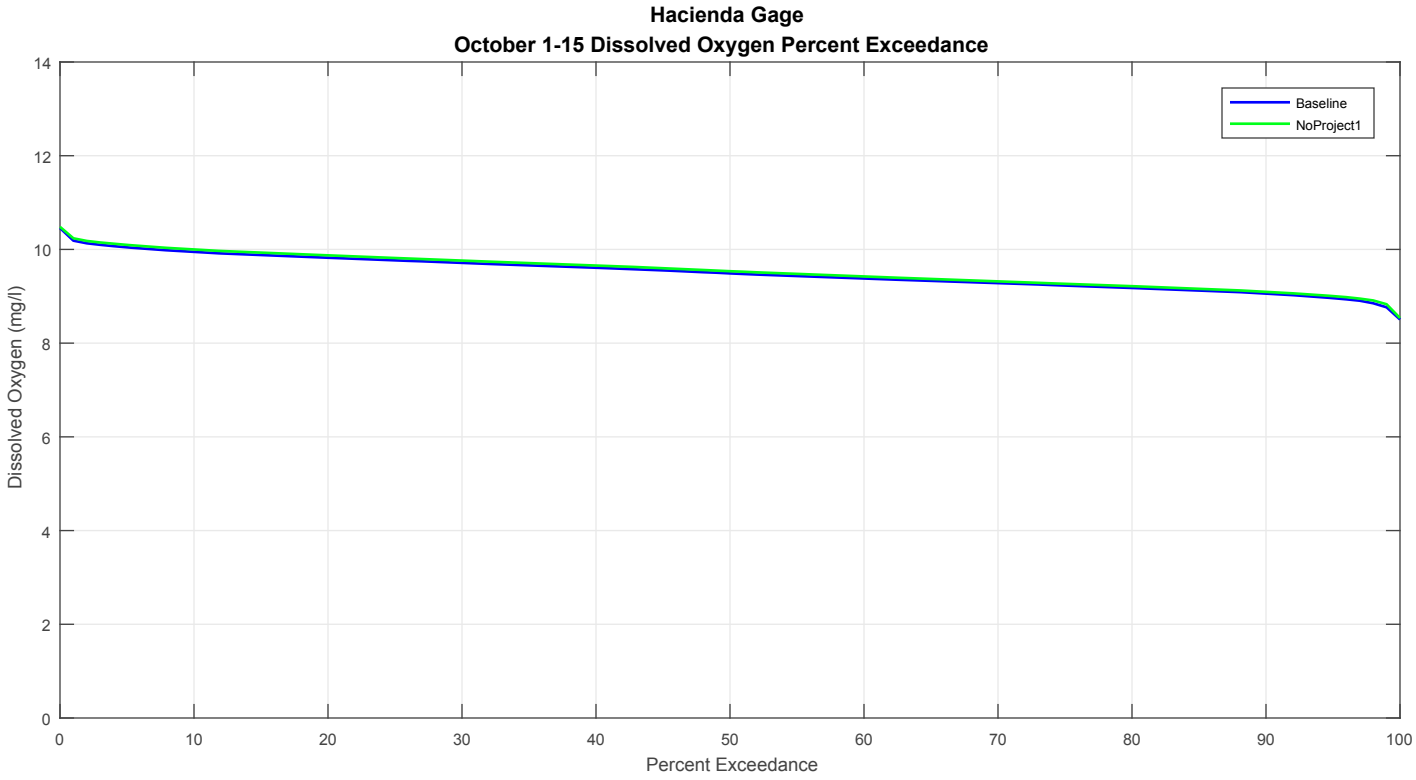
Hacienda Gage
October 1-15 Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
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6
8
10
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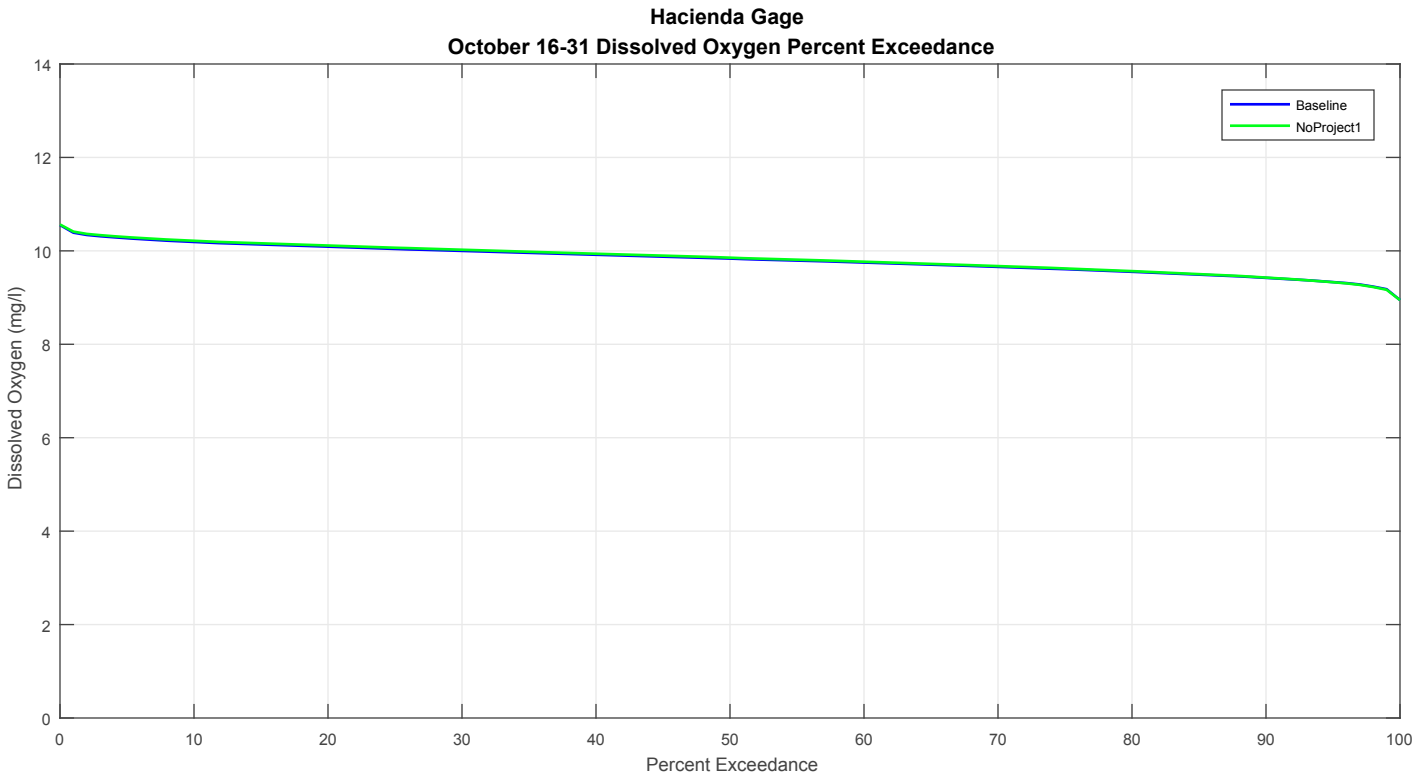
Hacienda Gage
October 16-31 Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
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14
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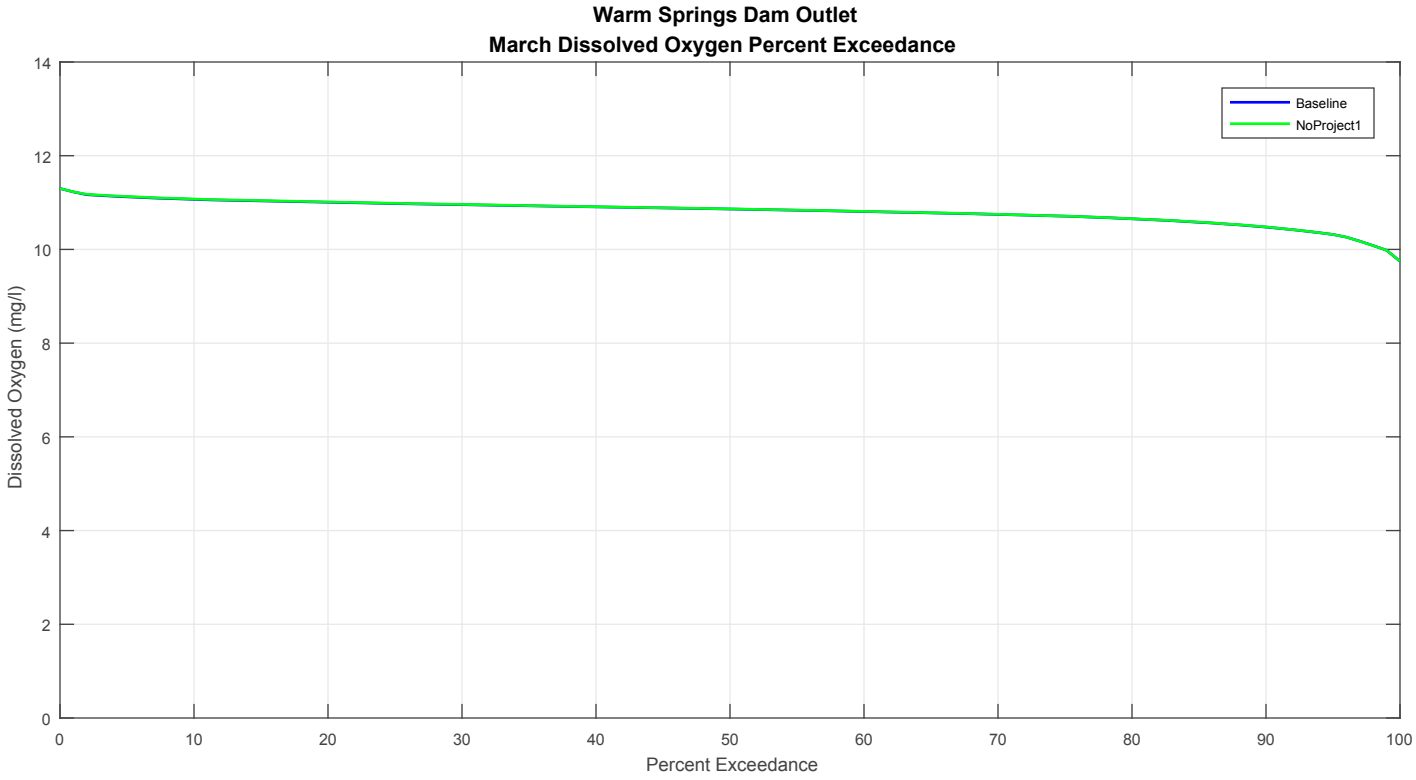
Warm Springs Dam Outlet
March Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
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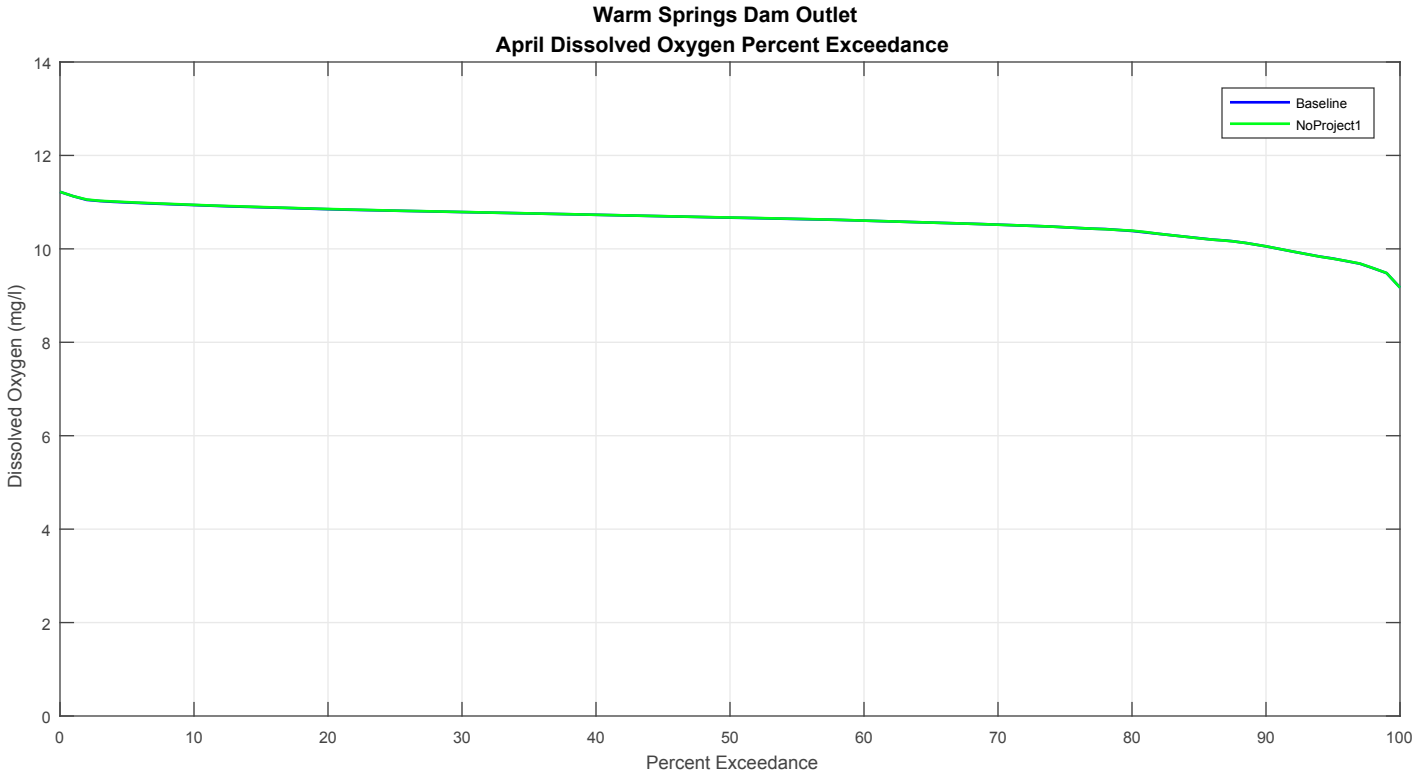
Warm Springs Dam Outlet
April Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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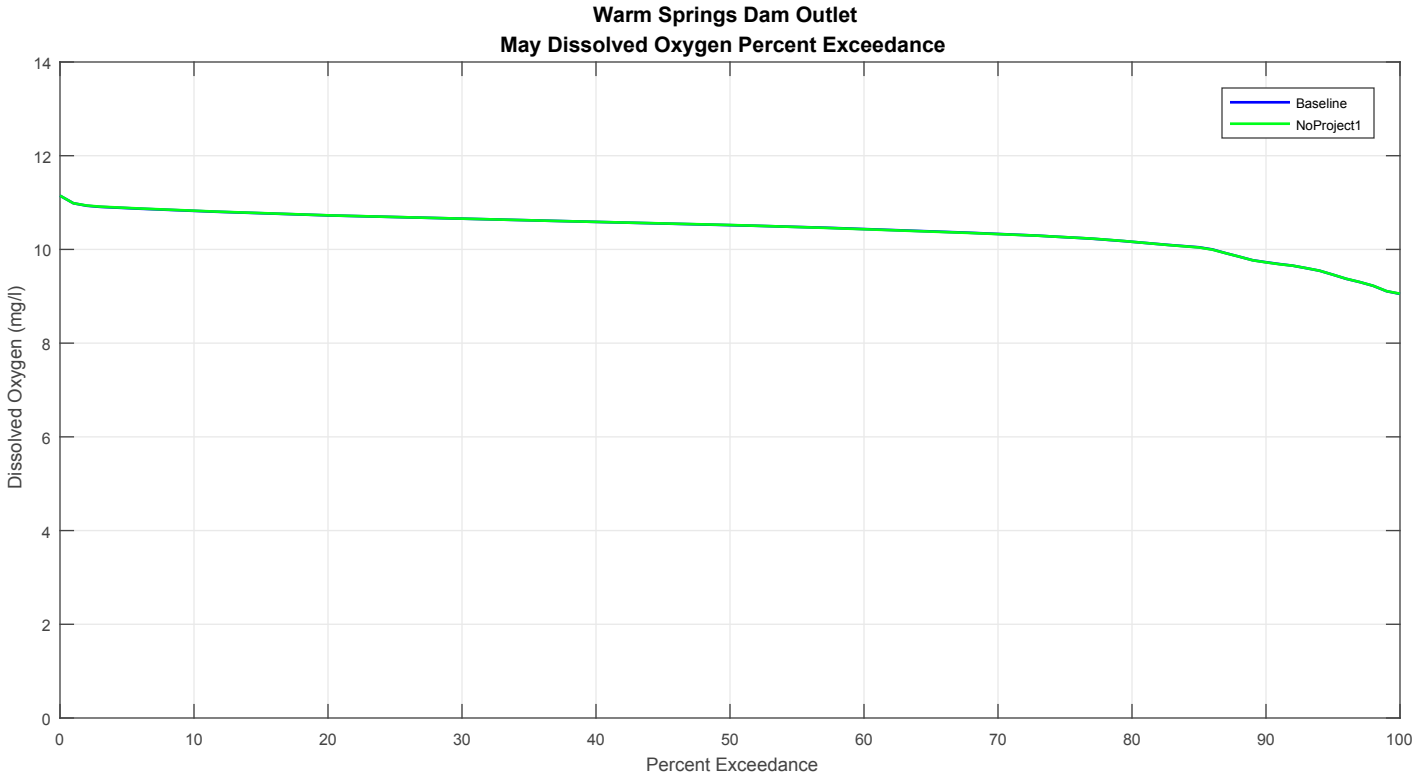
Warm Springs Dam Outlet
May Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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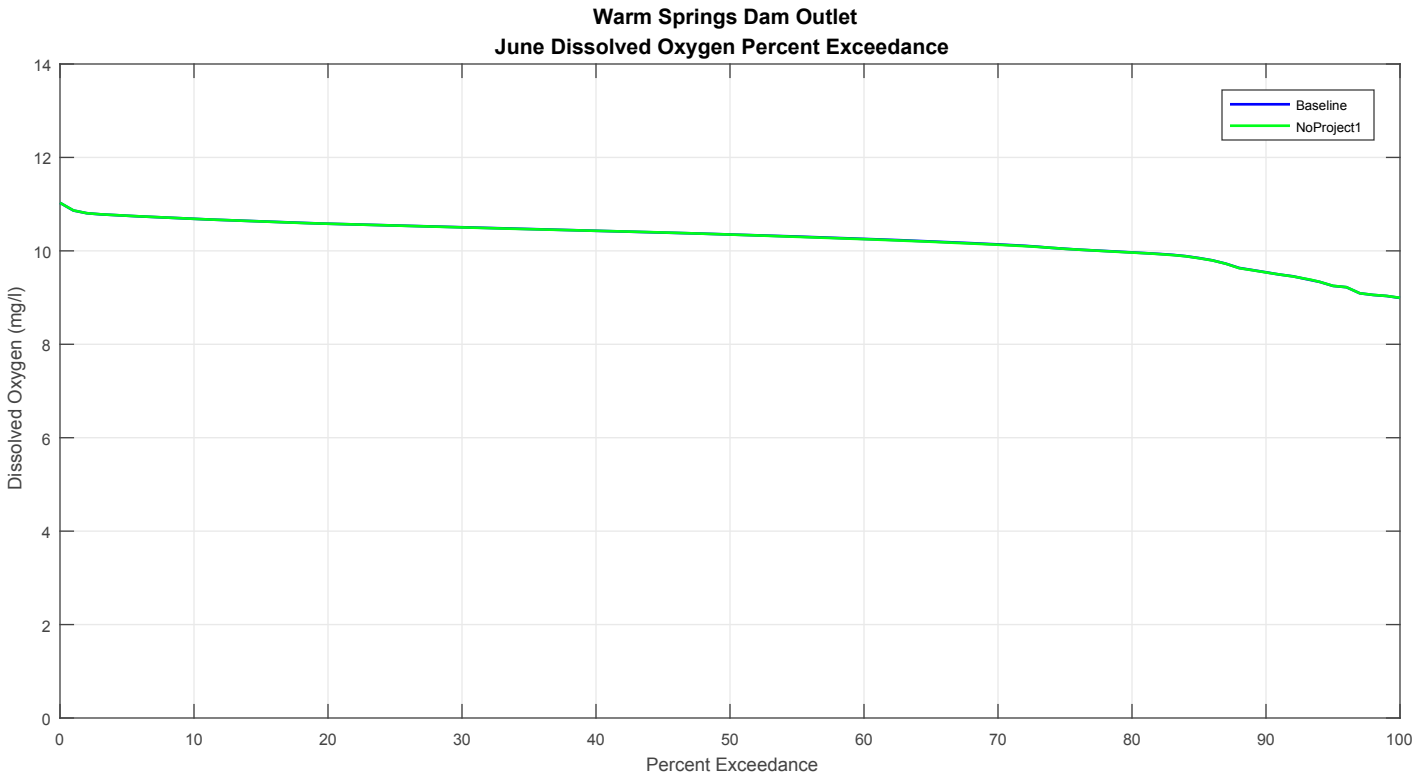
Warm Springs Dam Outlet
June Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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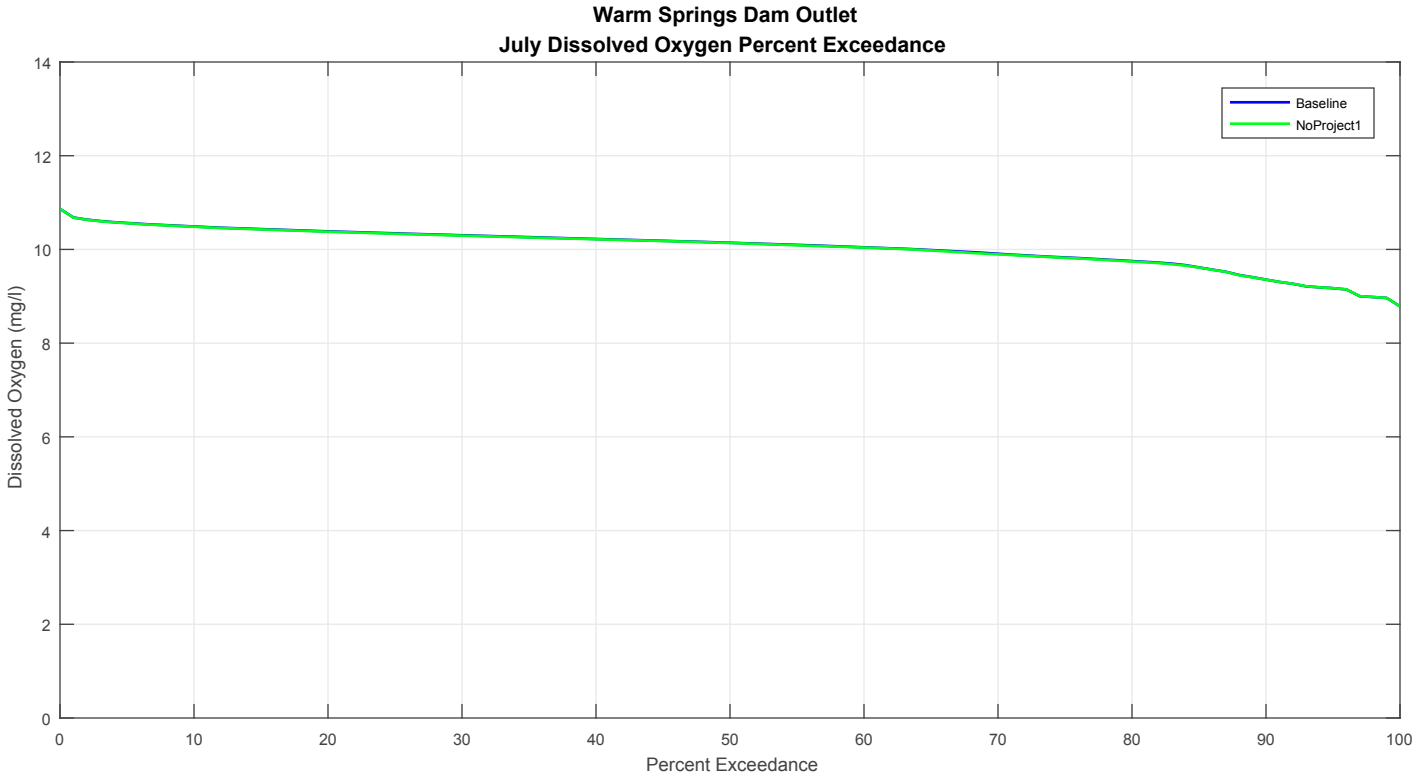
Warm Springs Dam Outlet
July Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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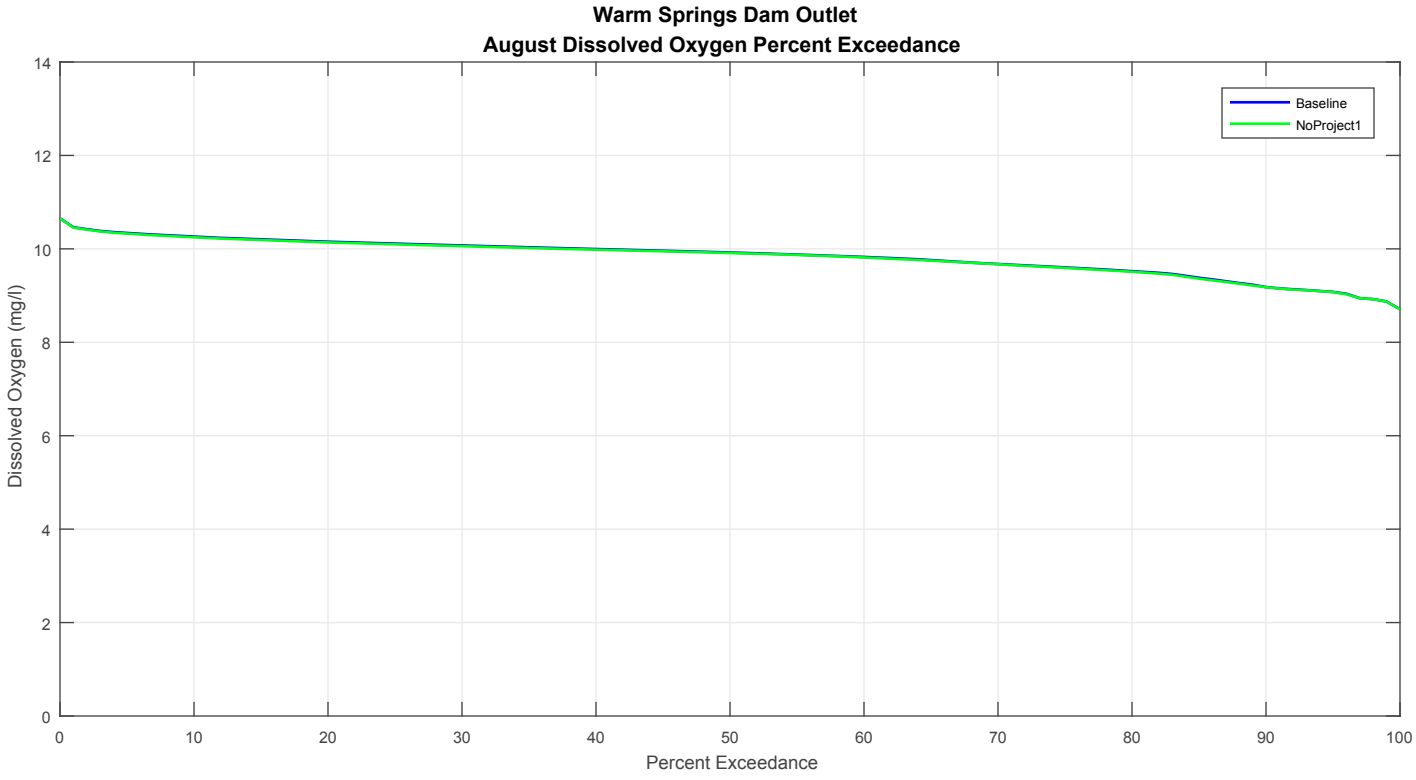
Warm Springs Dam Outlet
August Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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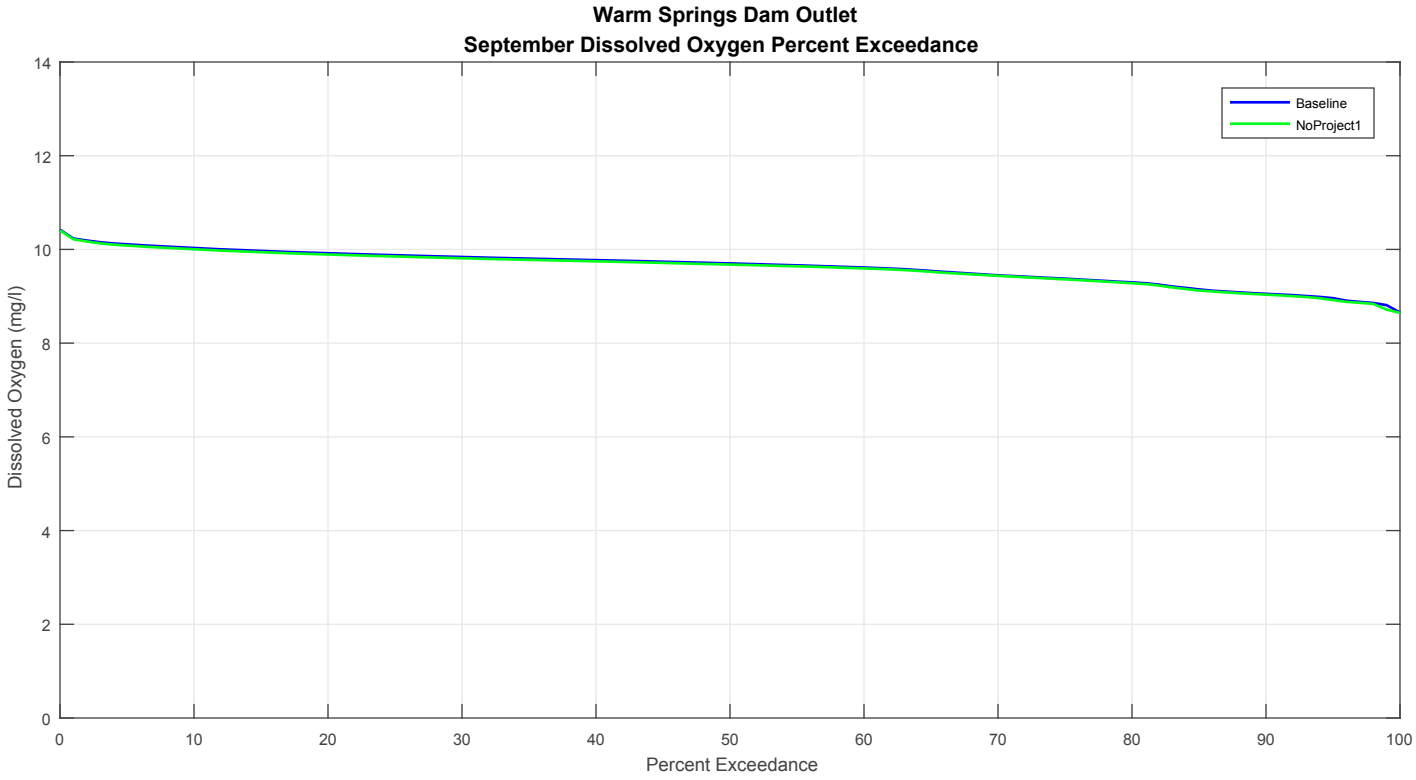
Warm Springs Dam Outlet
September Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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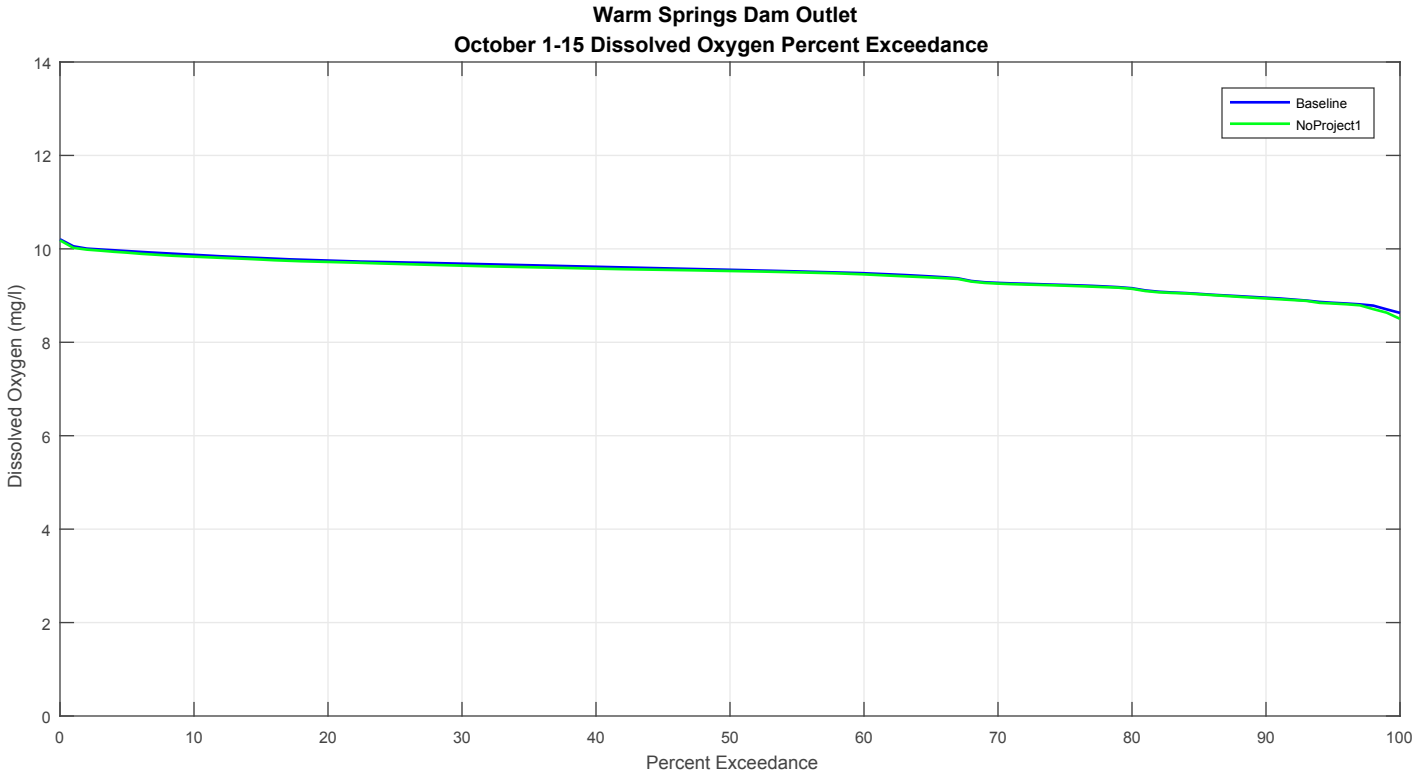
Warm Springs Dam Outlet
October 1-15 Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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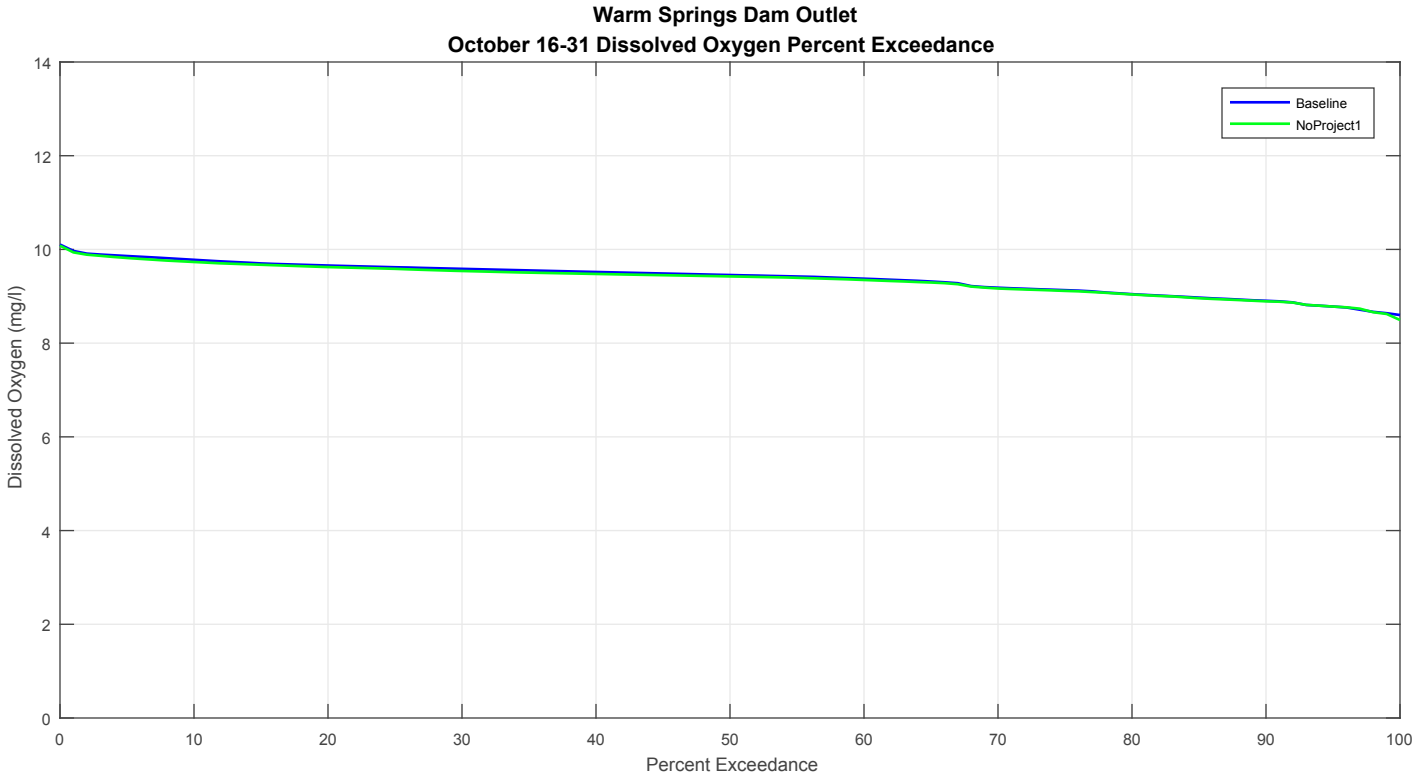
Warm Springs Dam Outlet
October 16-31 Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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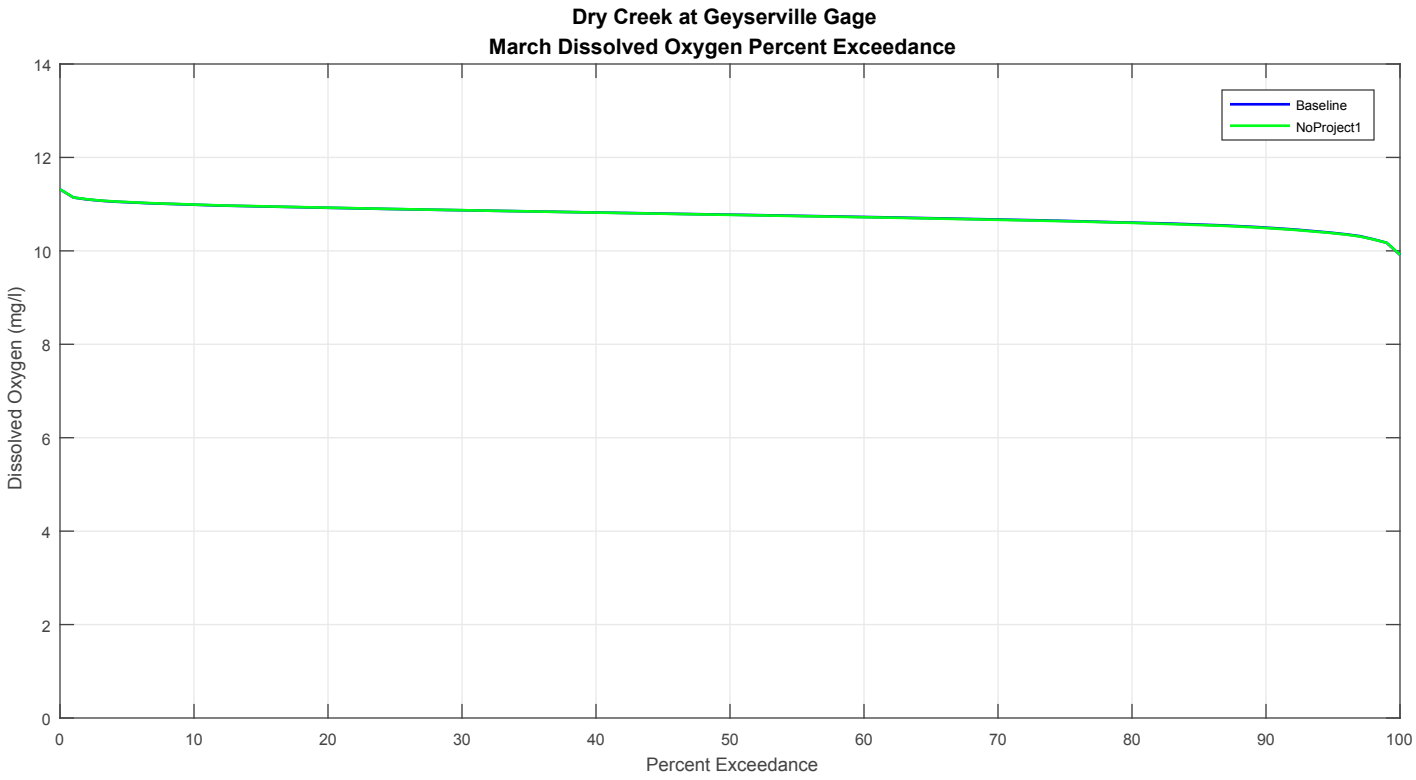
Dry Creek at Geyserville Gage
March Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
0
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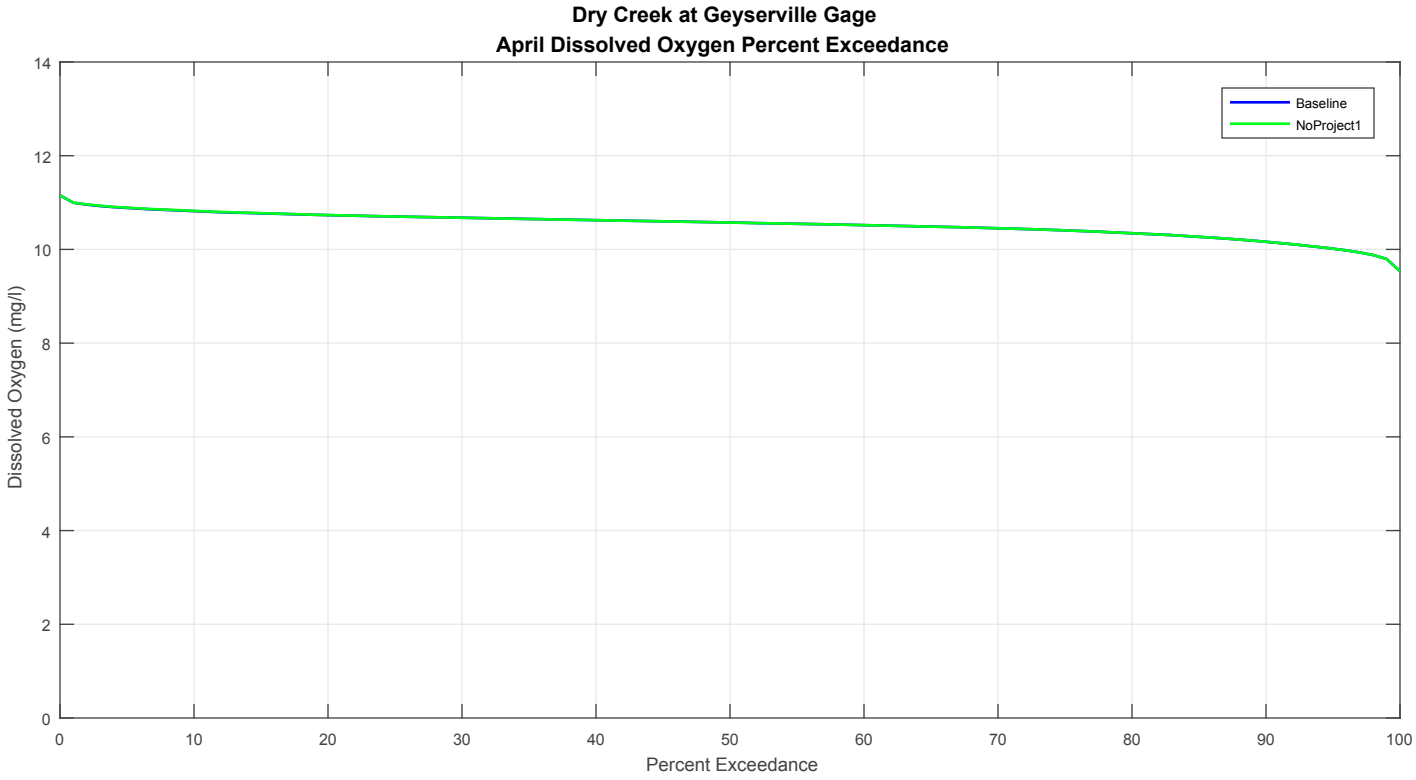
Dry Creek at Geyserville Gage
April Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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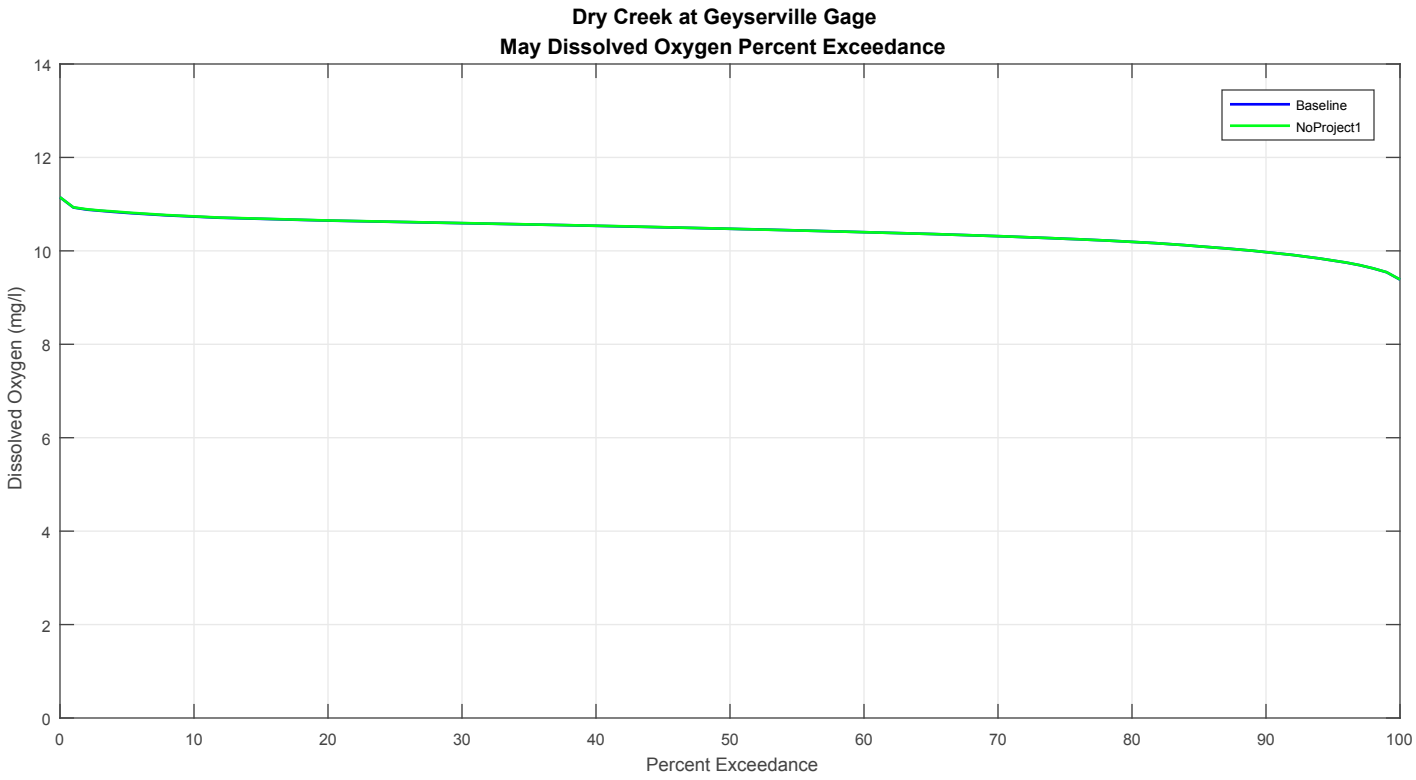
Dry Creek at Geyserville Gage
May Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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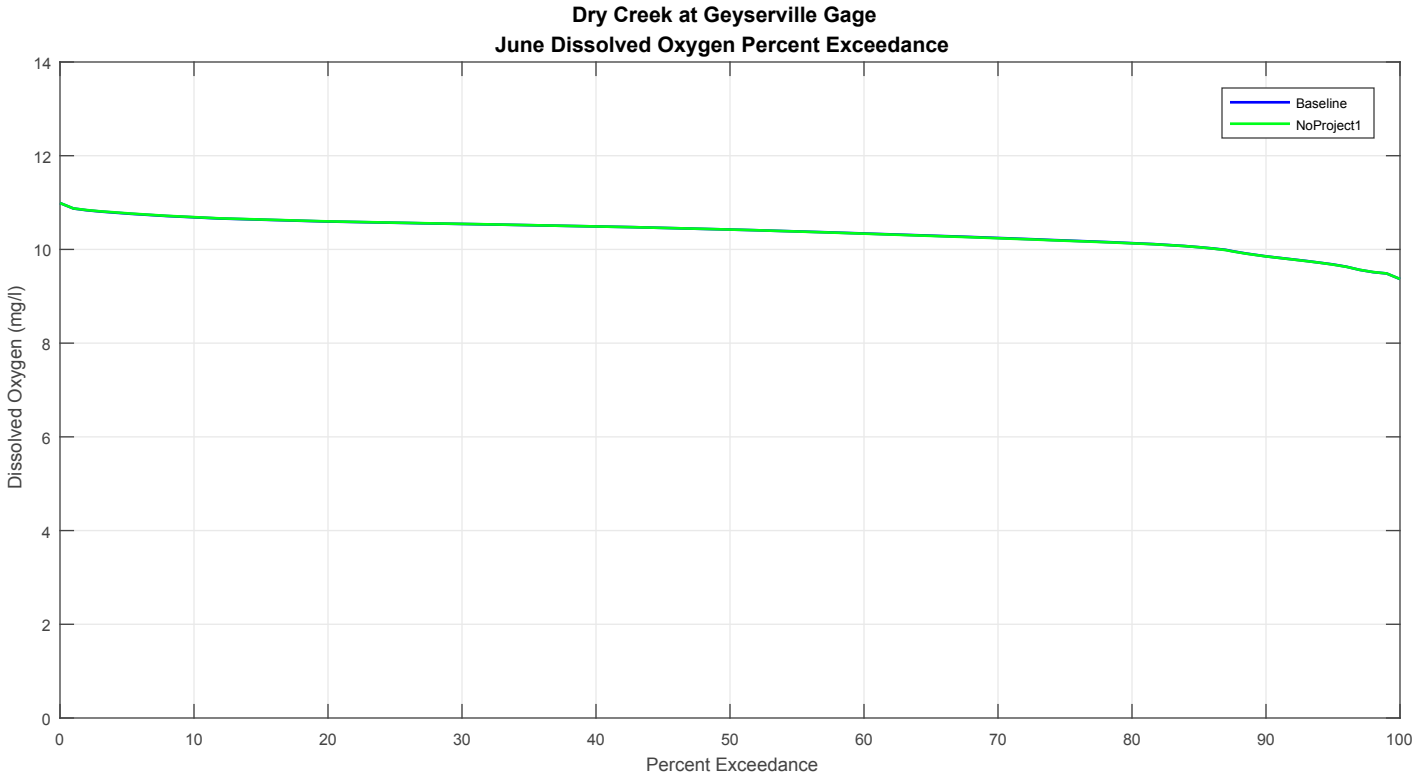
Dry Creek at Geyserville Gage
June Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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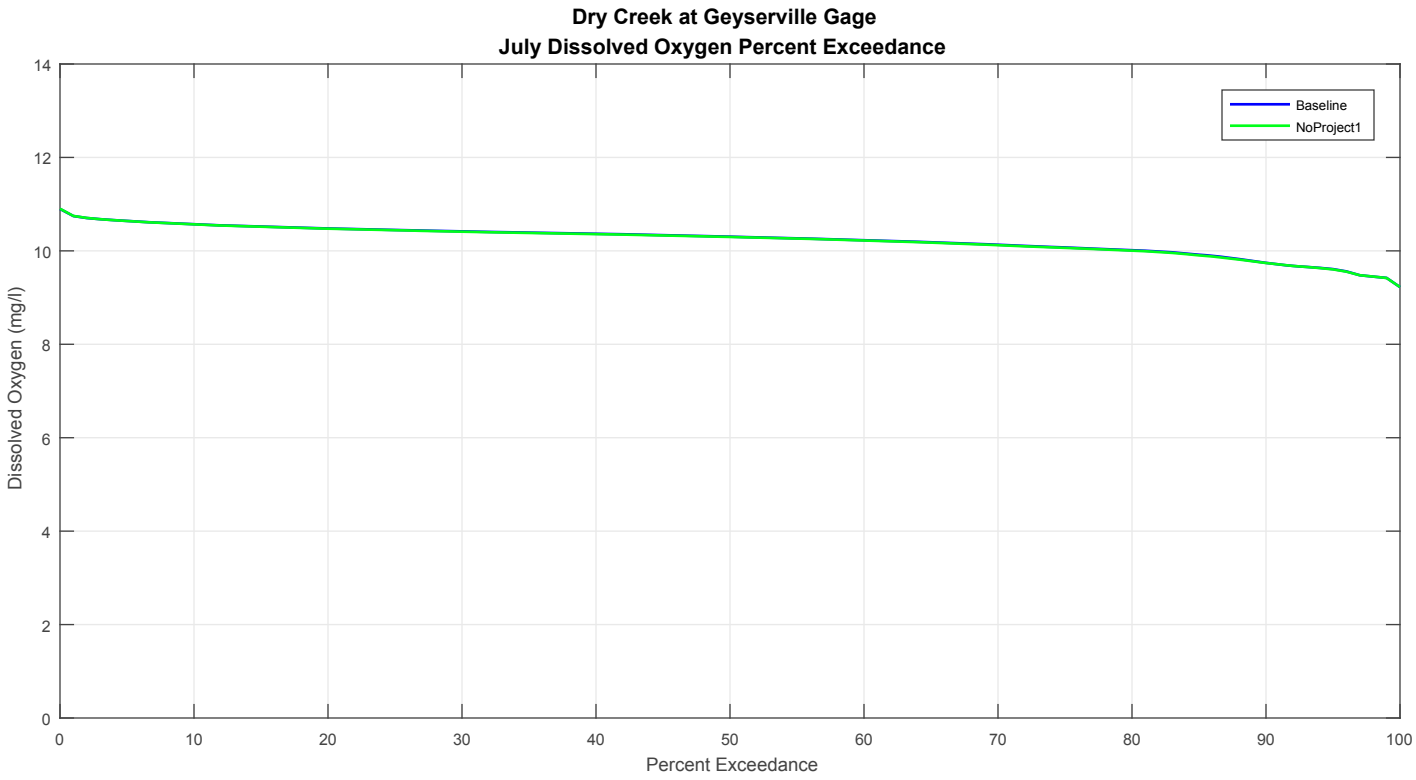
Dry Creek at Geyserville Gage
July Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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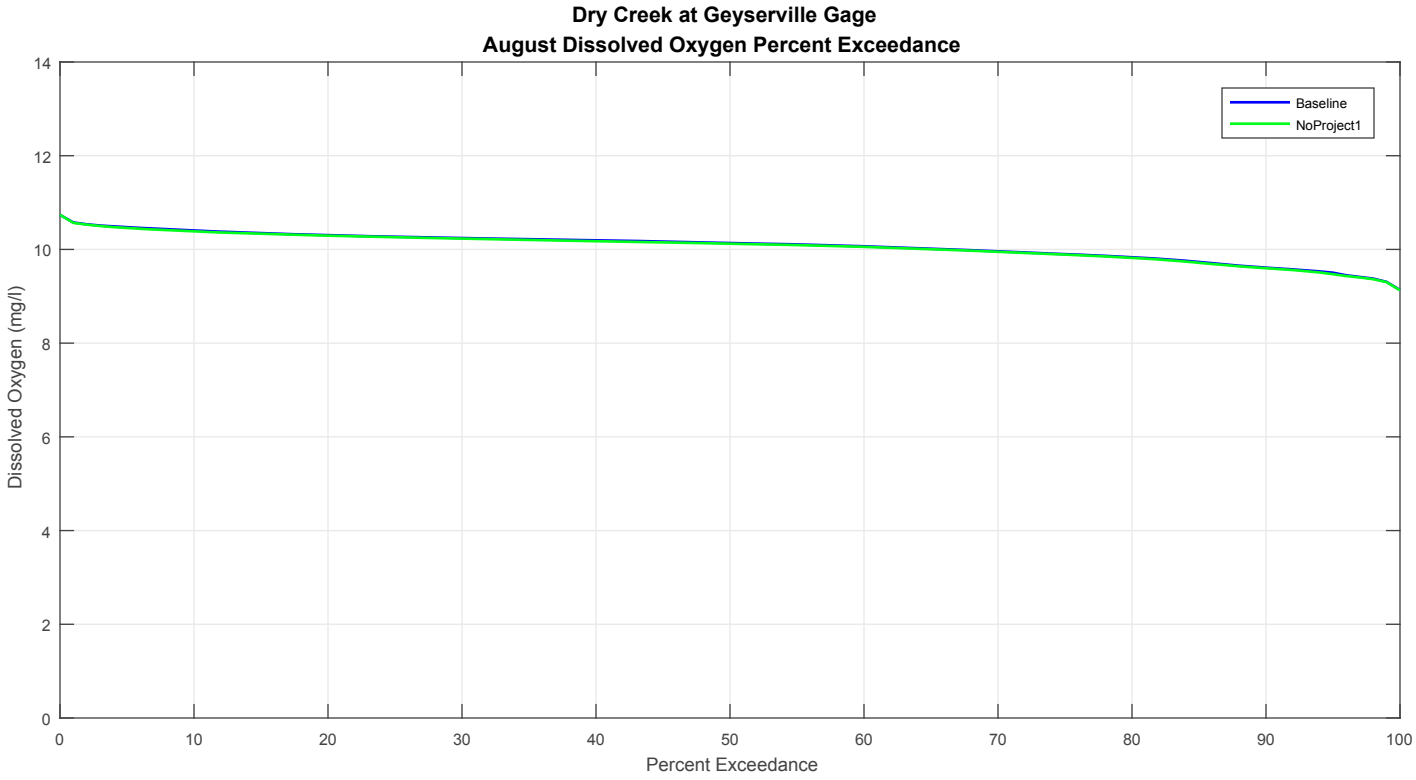
Dry Creek at Geyserville Gage
August Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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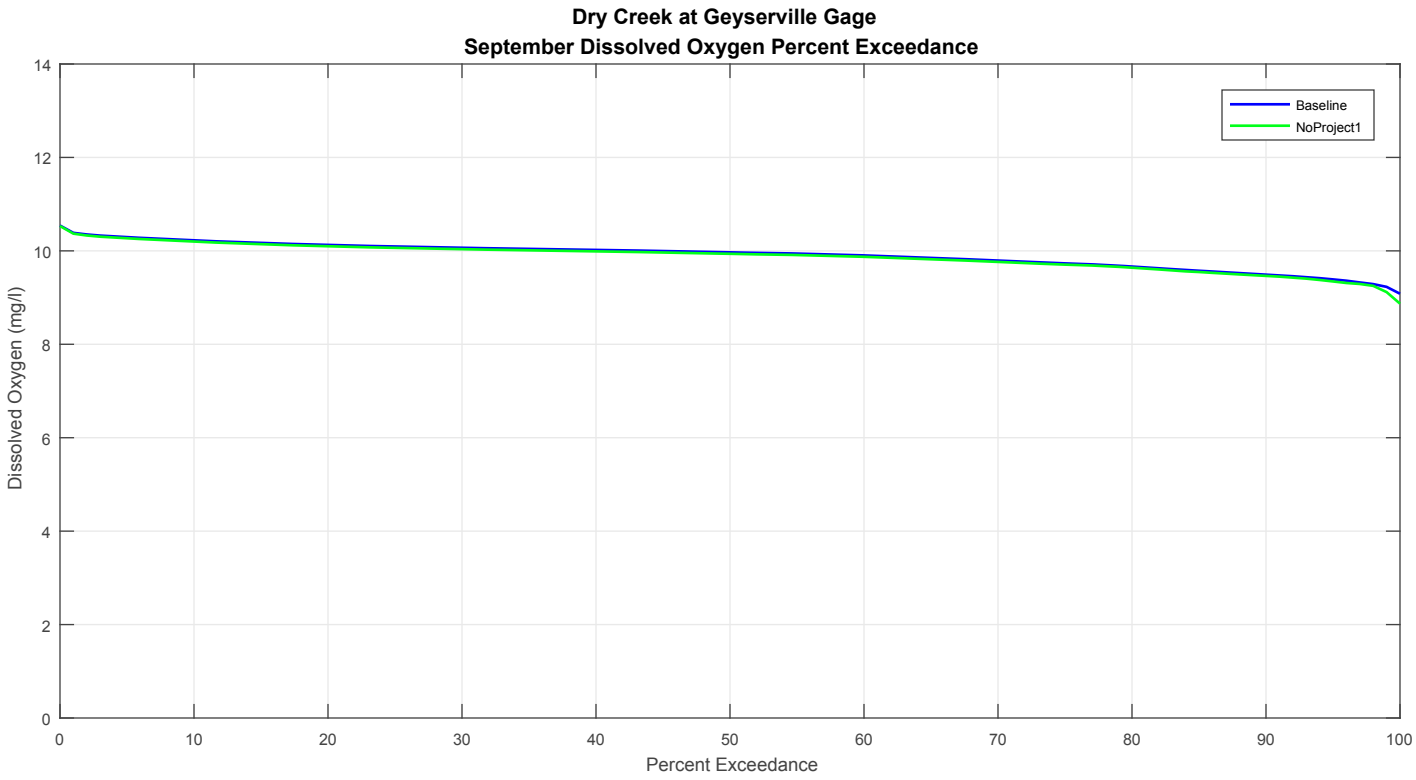
Dry Creek at Geyserville Gage
September Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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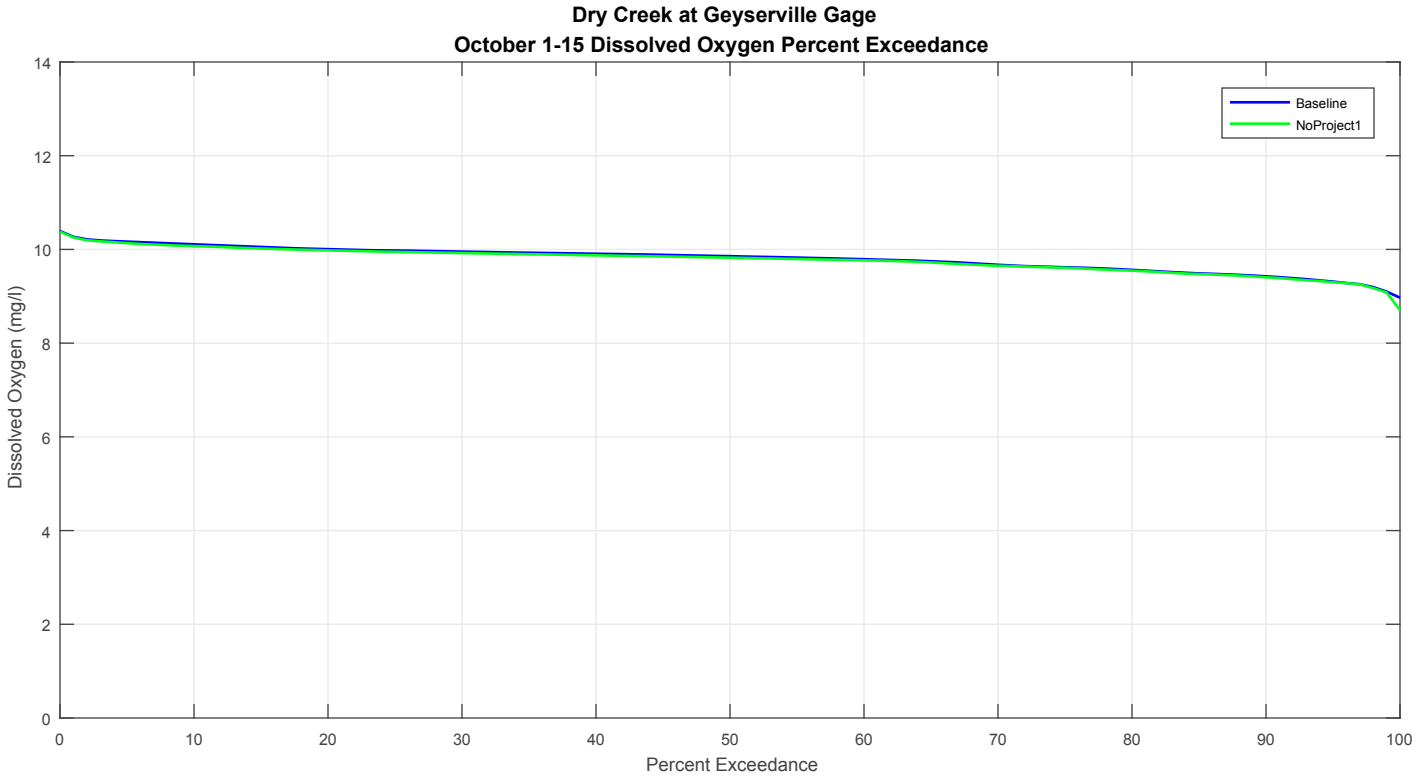
Dry Creek at Geyserville Gage
October 1-15 Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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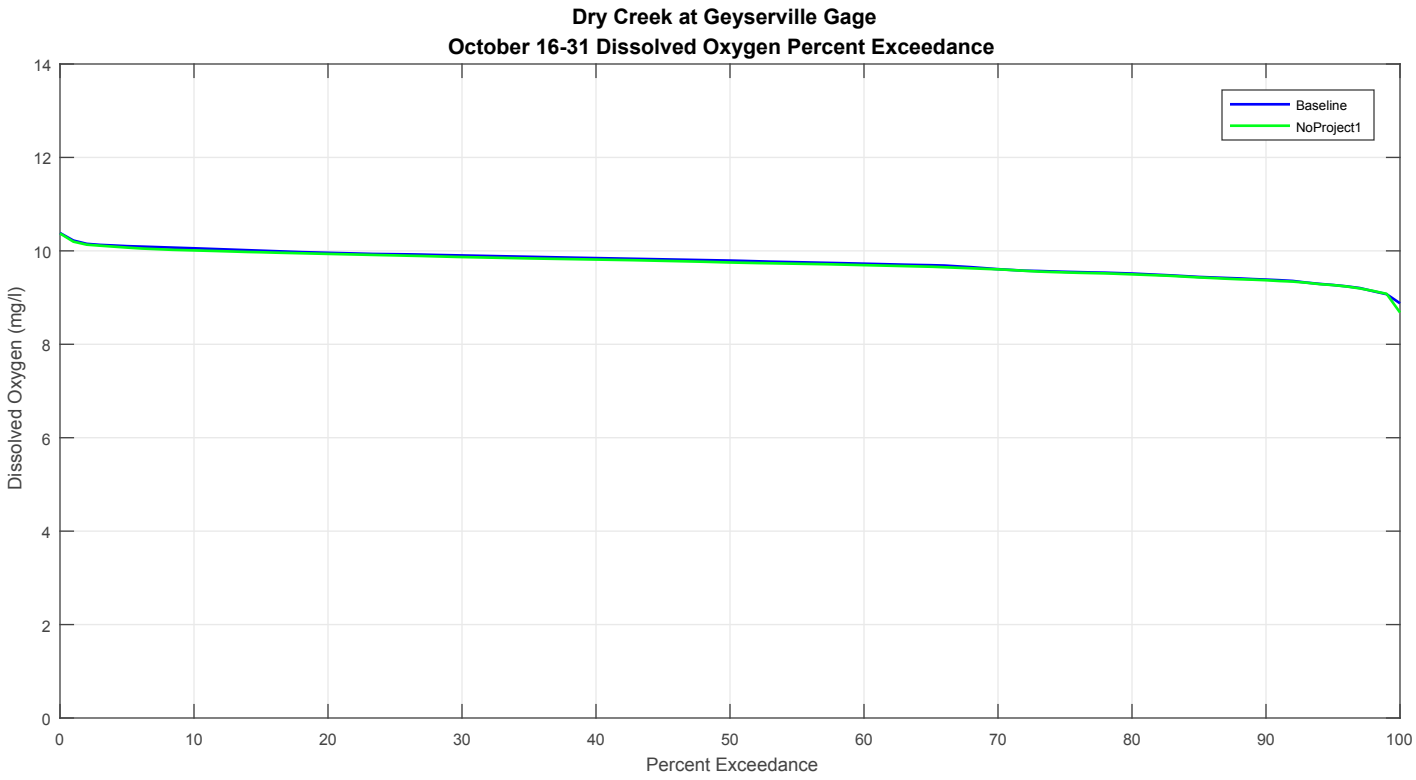
Dry Creek at Geyserville Gage
October 16-31 Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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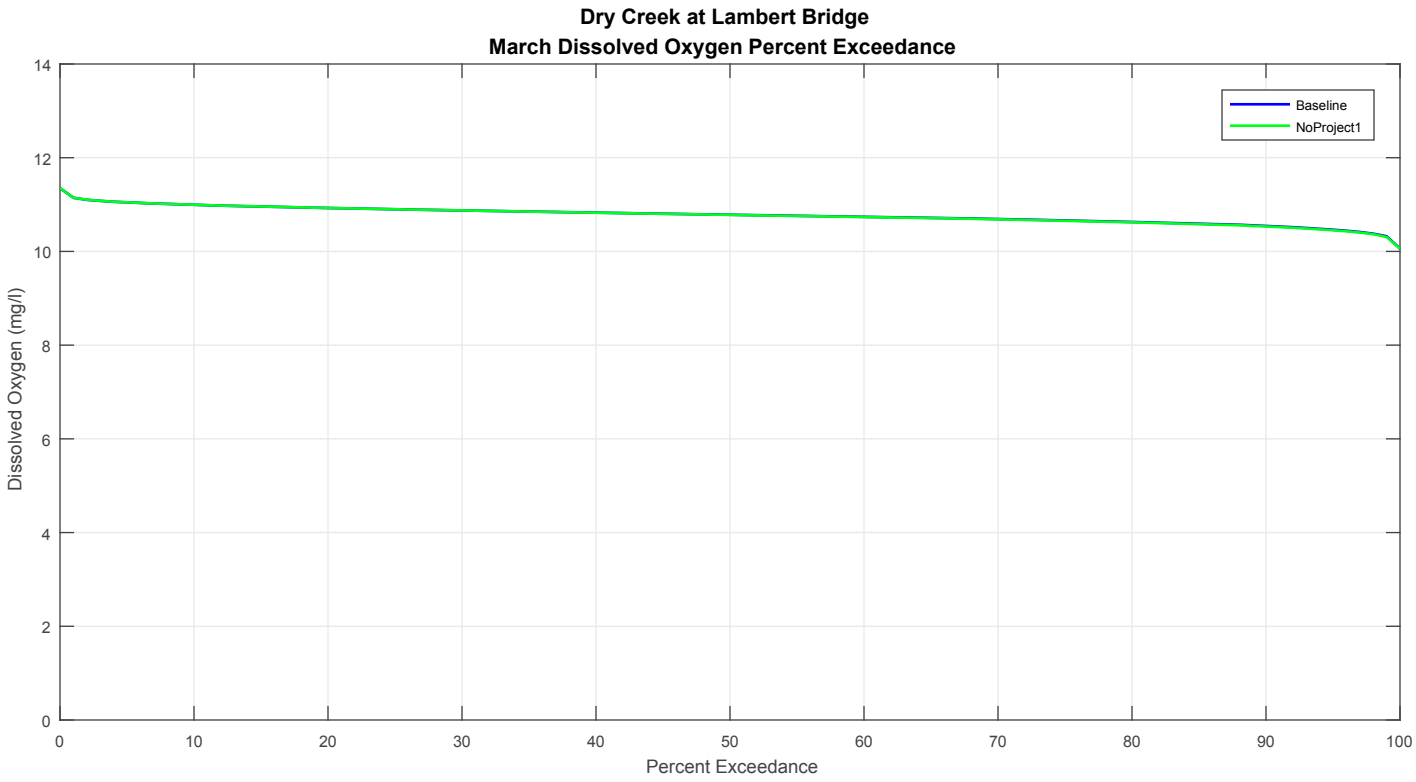
Dry Creek at Lambert Bridge
March Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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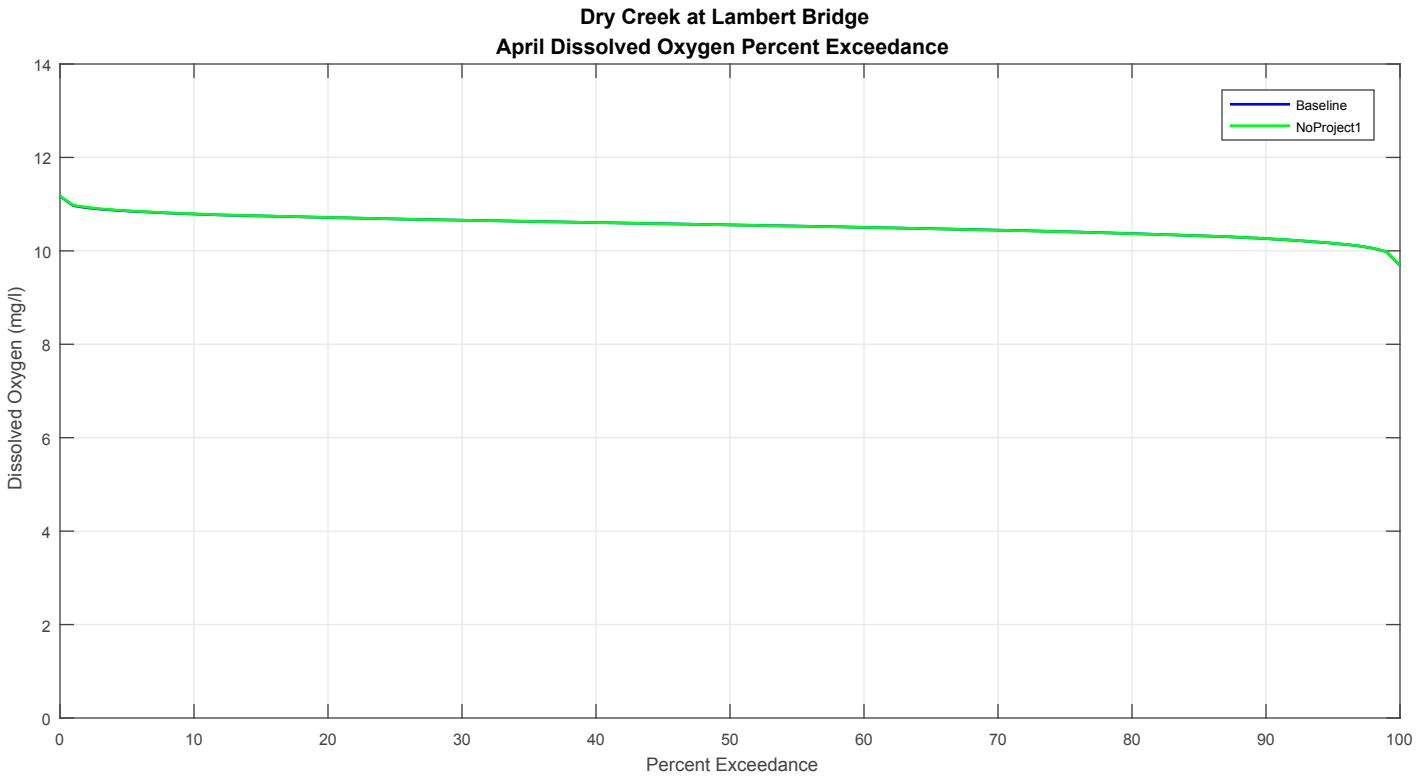
Dry Creek at Lambert Bridge
April Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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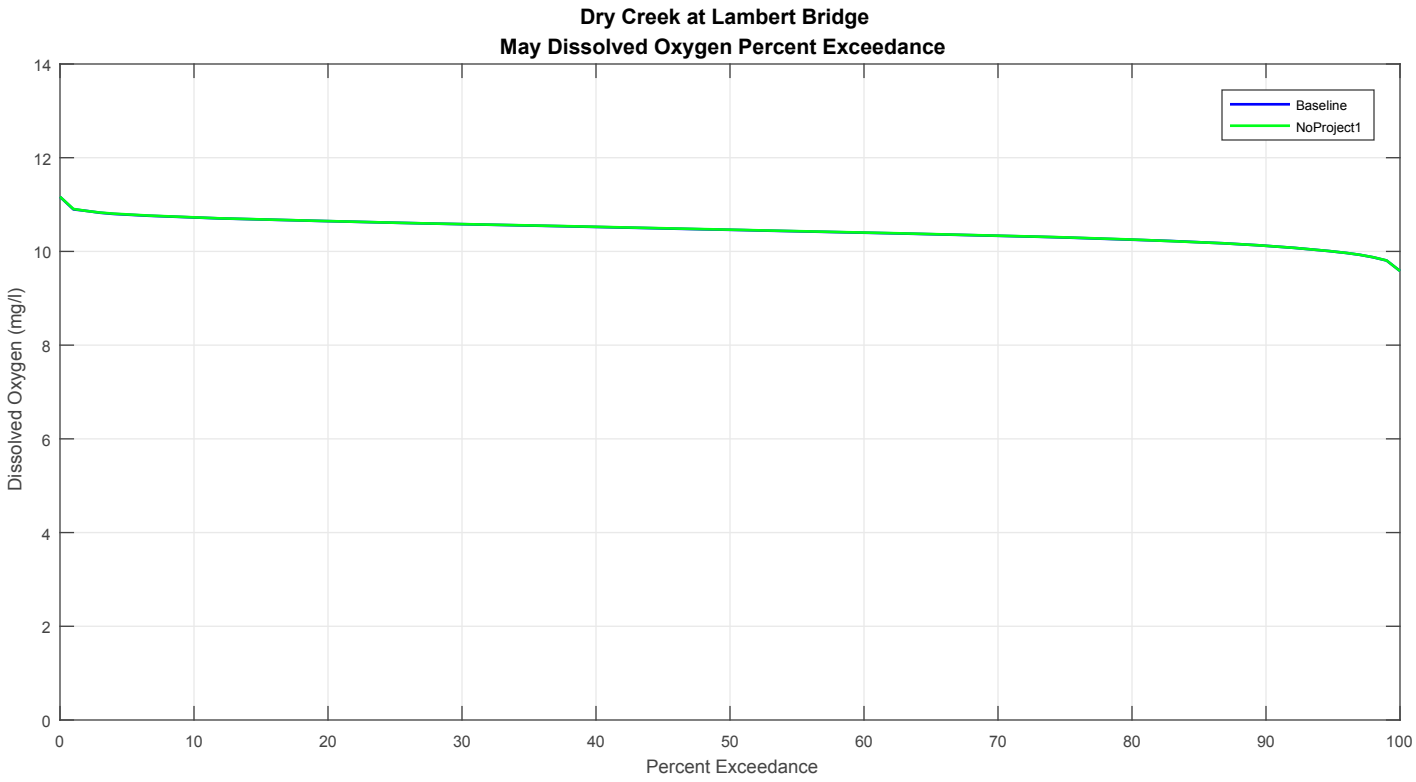
Dry Creek at Lambert Bridge
May Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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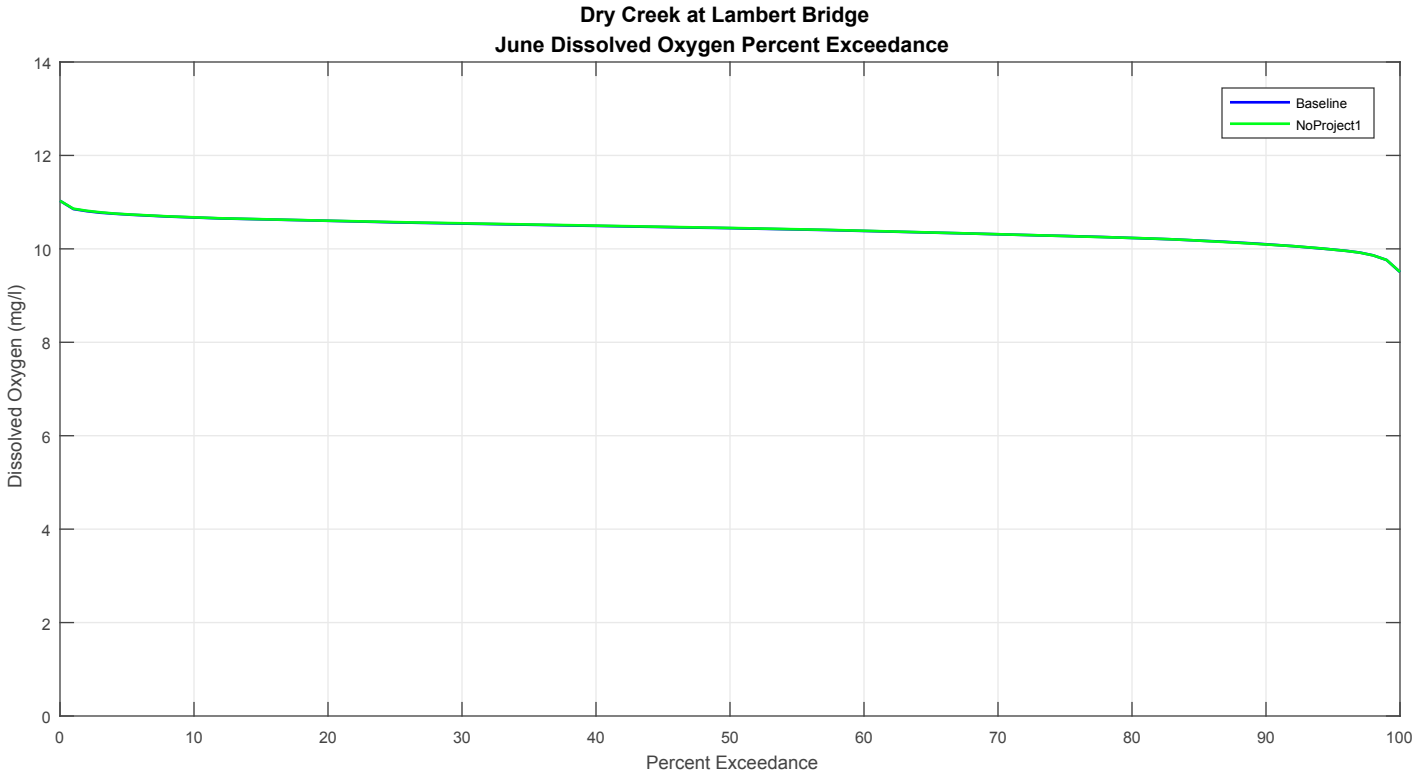
Dry Creek at Lambert Bridge
June Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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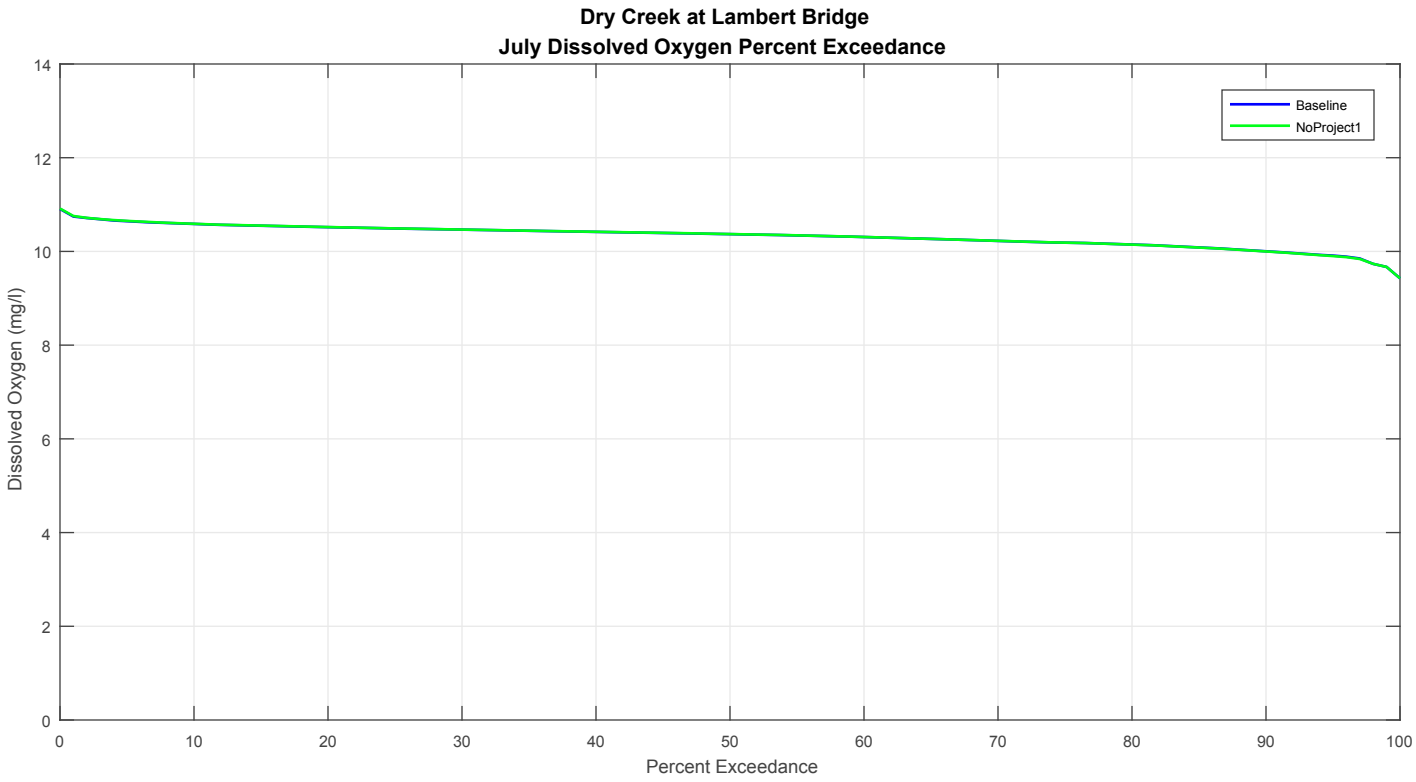
Dry Creek at Lambert Bridge
July Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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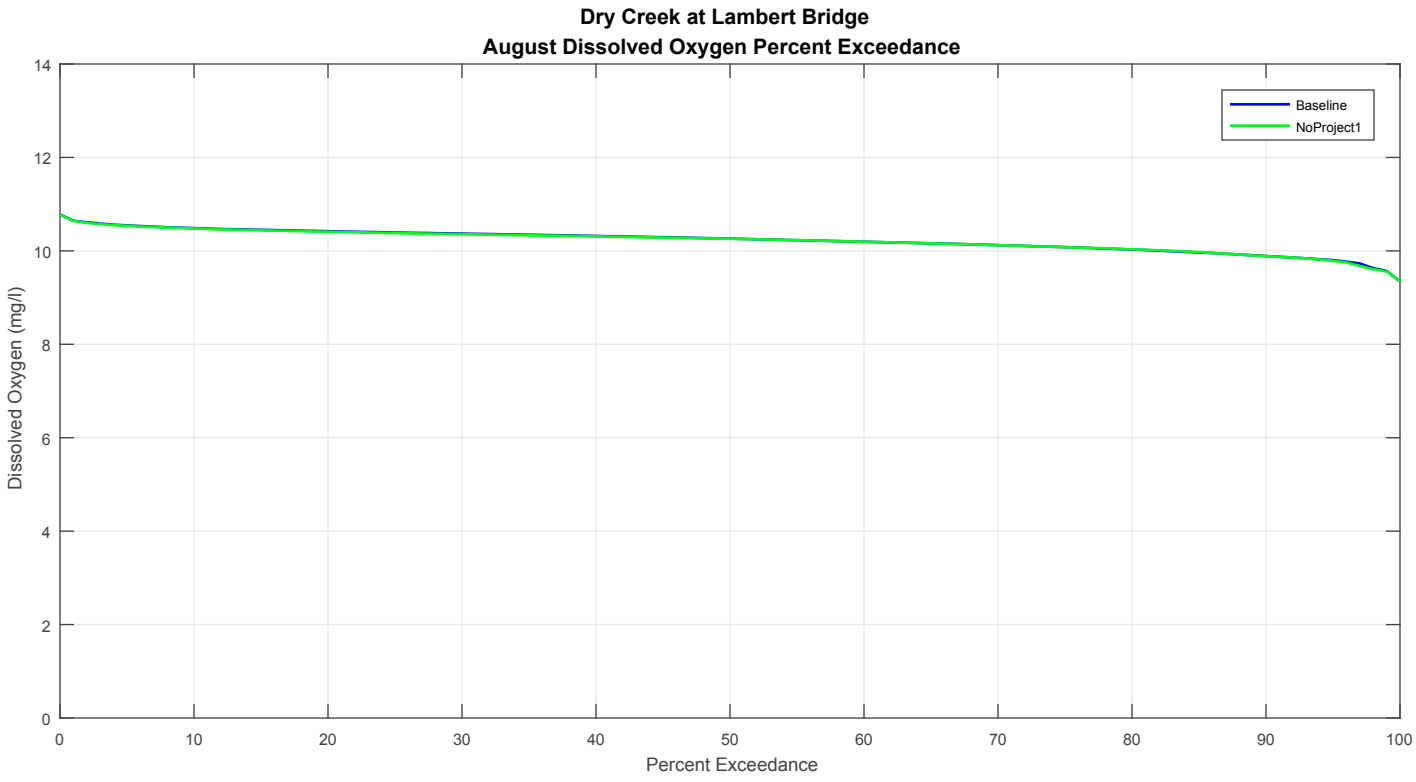
Dry Creek at Lambert Bridge
August Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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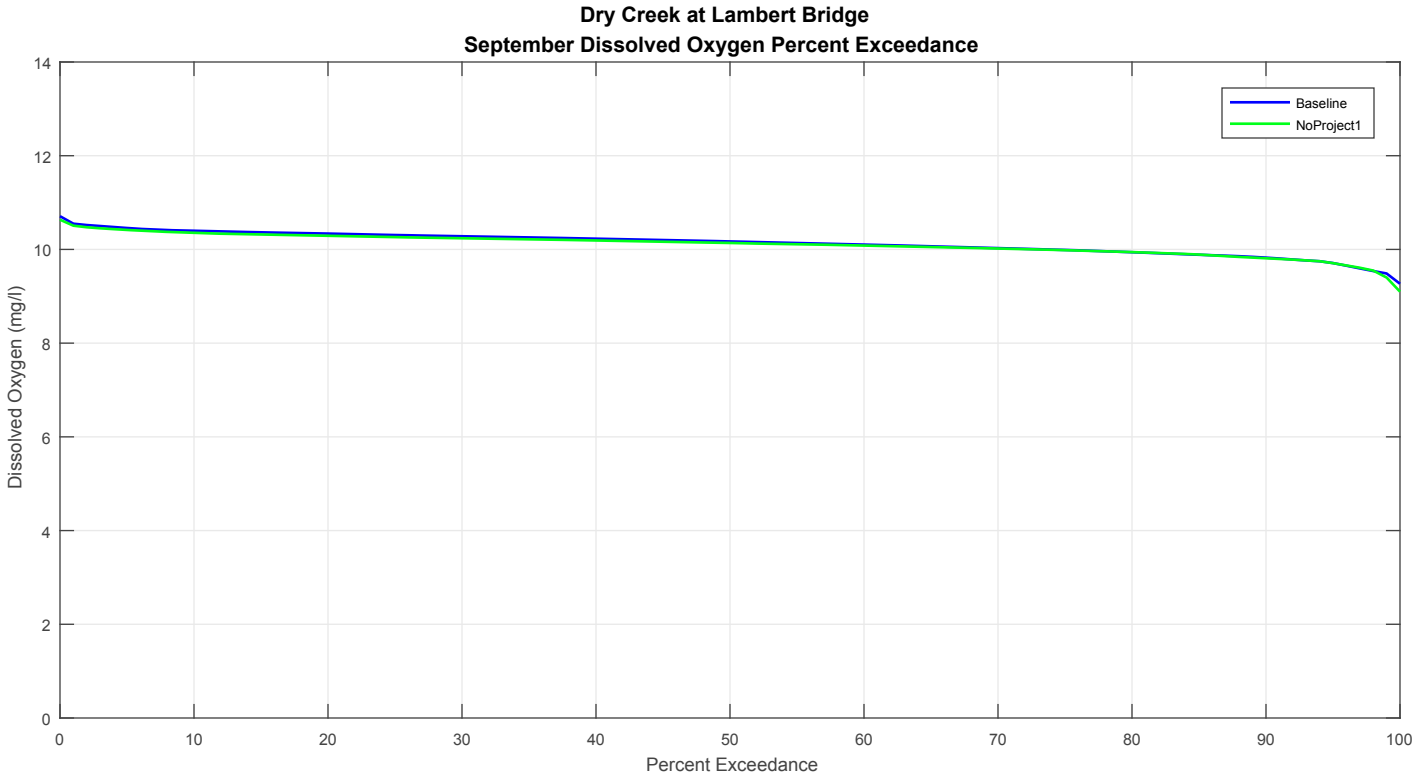
Dry Creek at Lambert Bridge
September Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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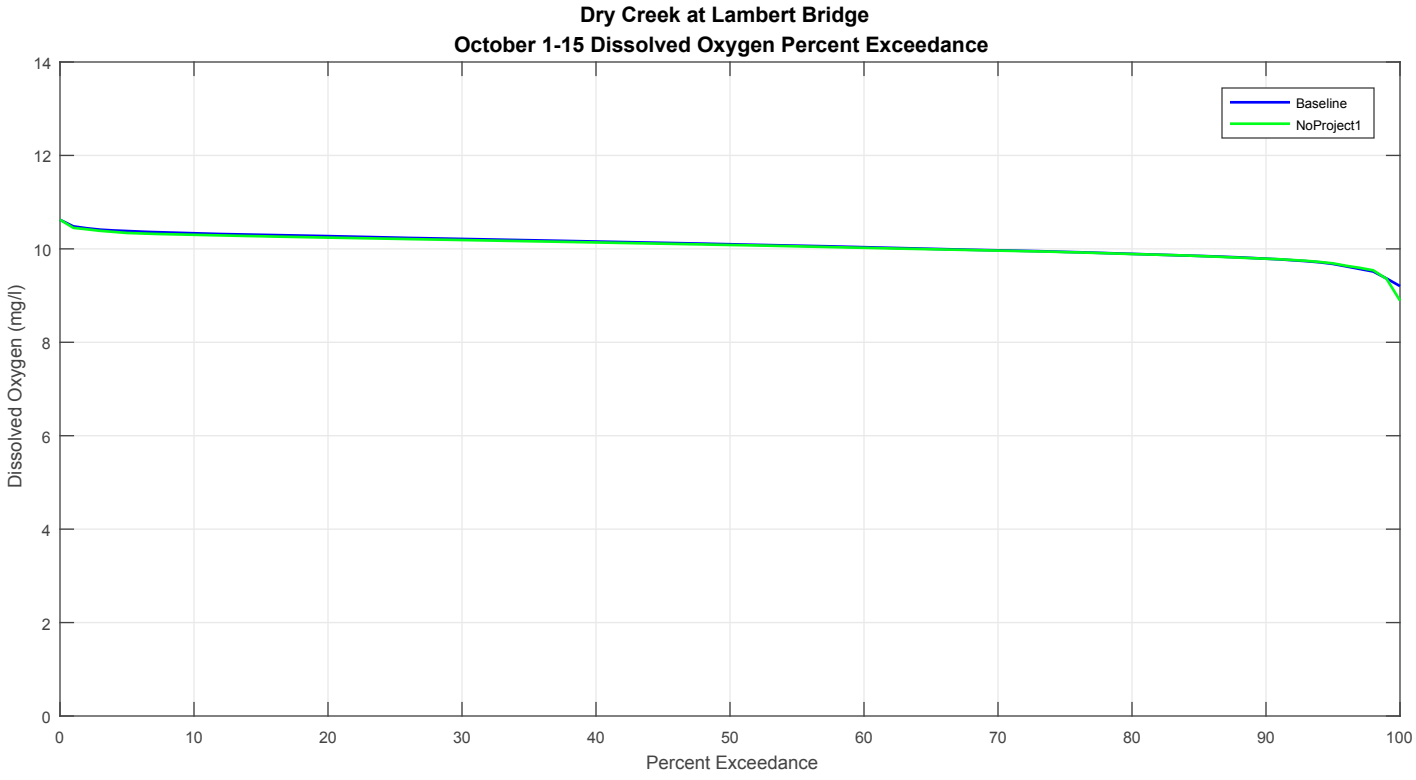
Dry Creek at Lambert Bridge
October 1-15 Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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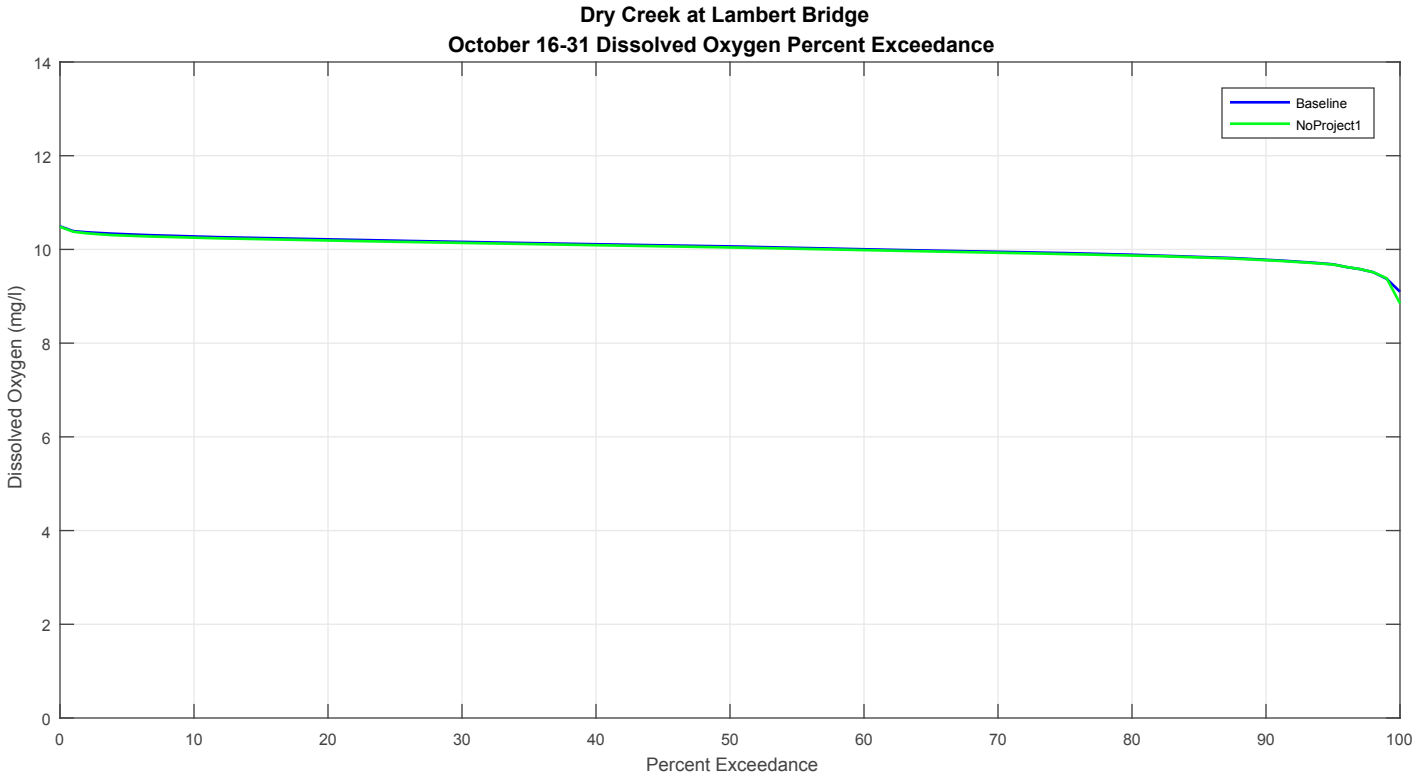
Dry Creek at Lambert Bridge
October 16-31 Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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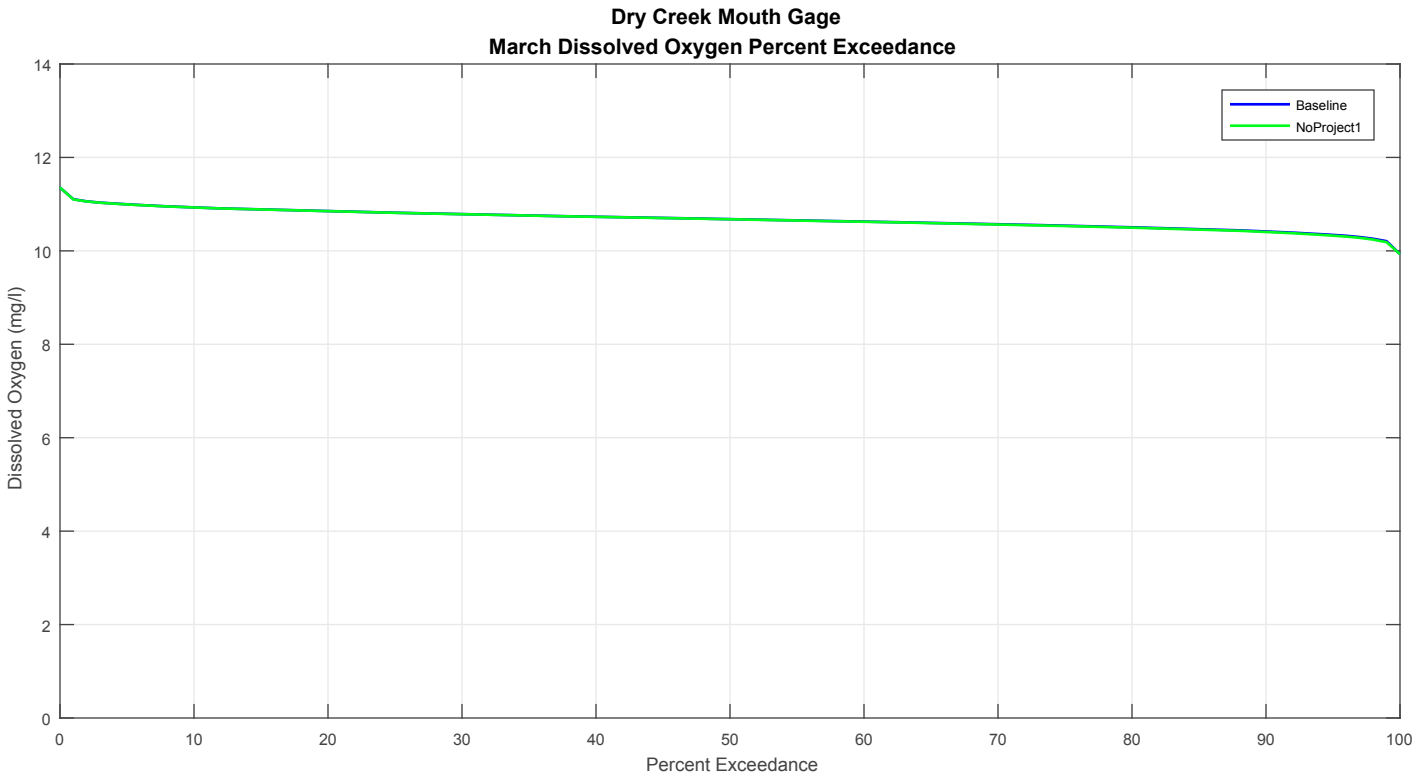
Dry Creek Mouth Gage
March Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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10
12
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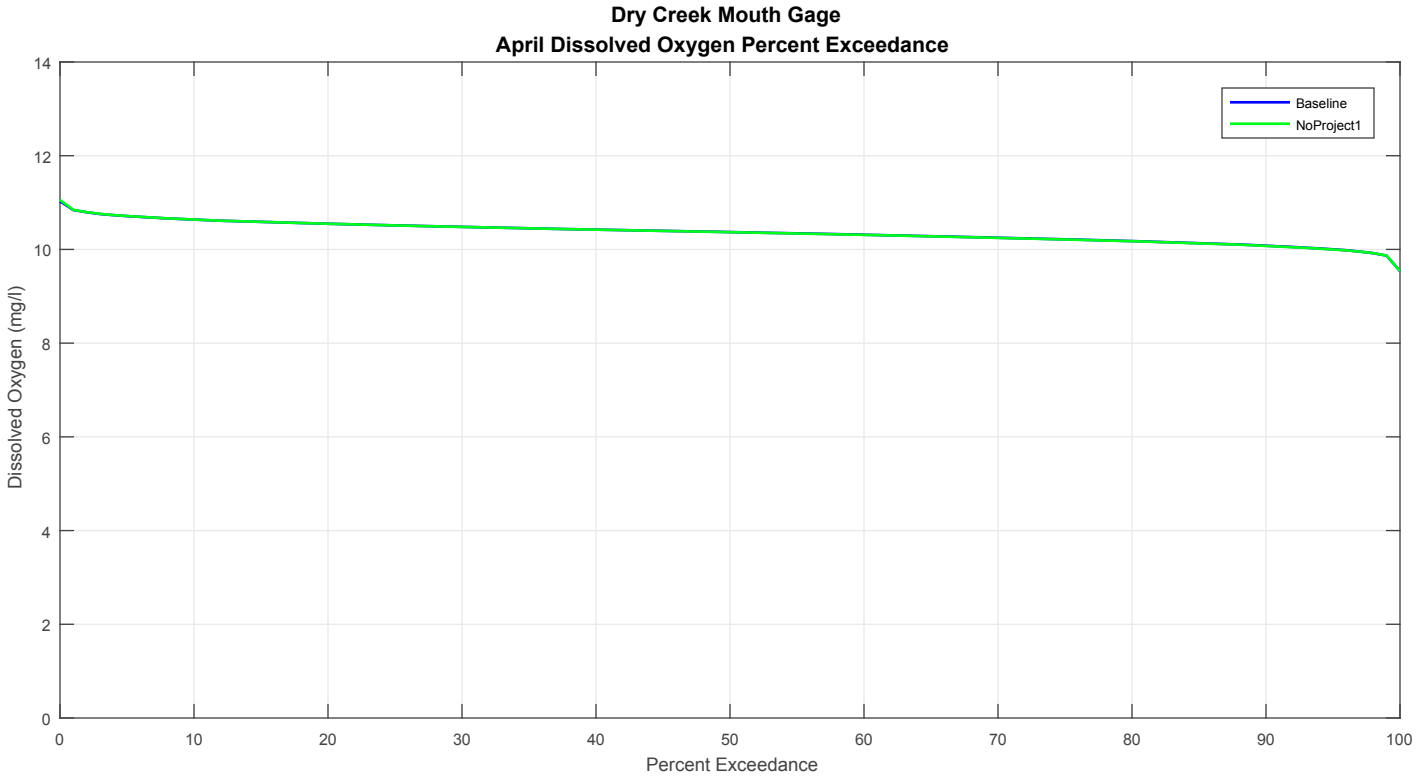
Dry Creek Mouth Gage
April Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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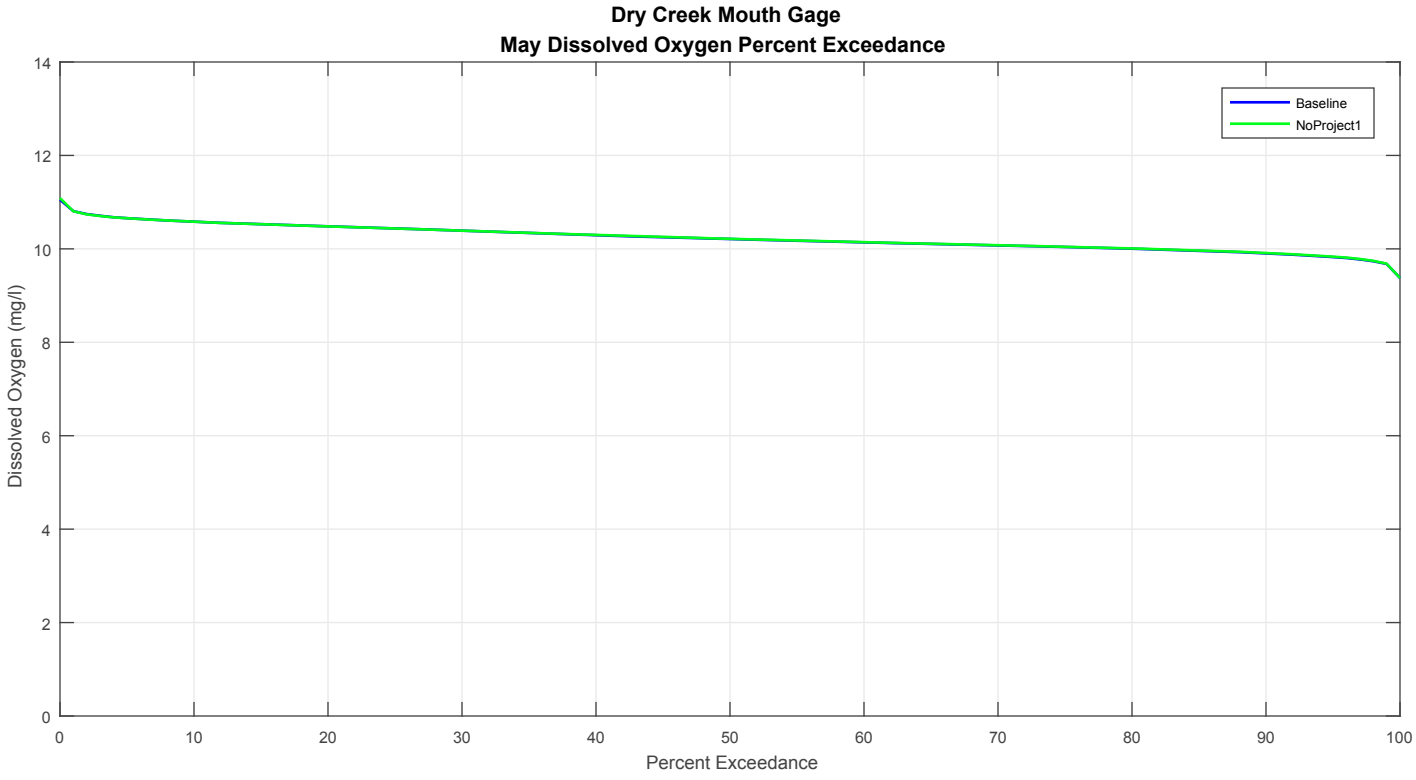
Dry Creek Mouth Gage
May Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
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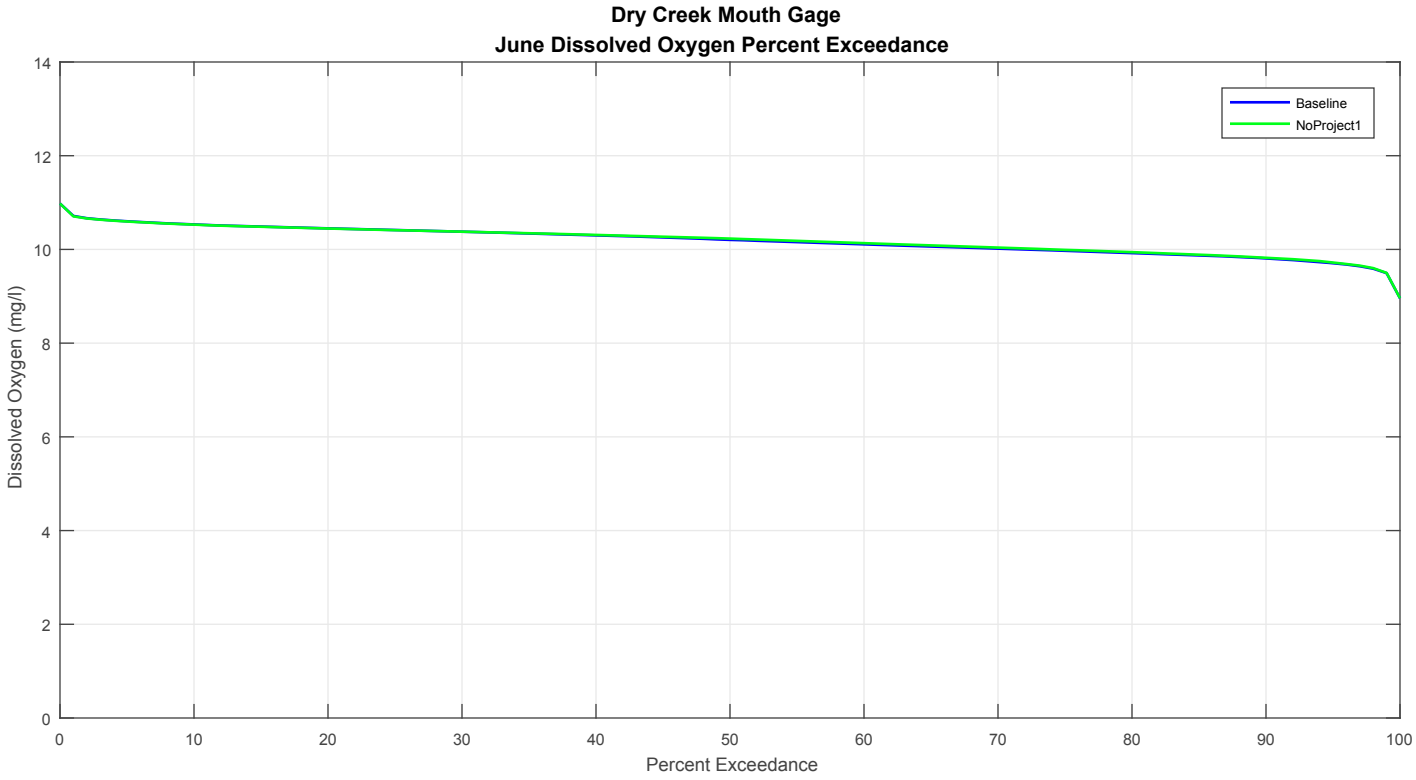
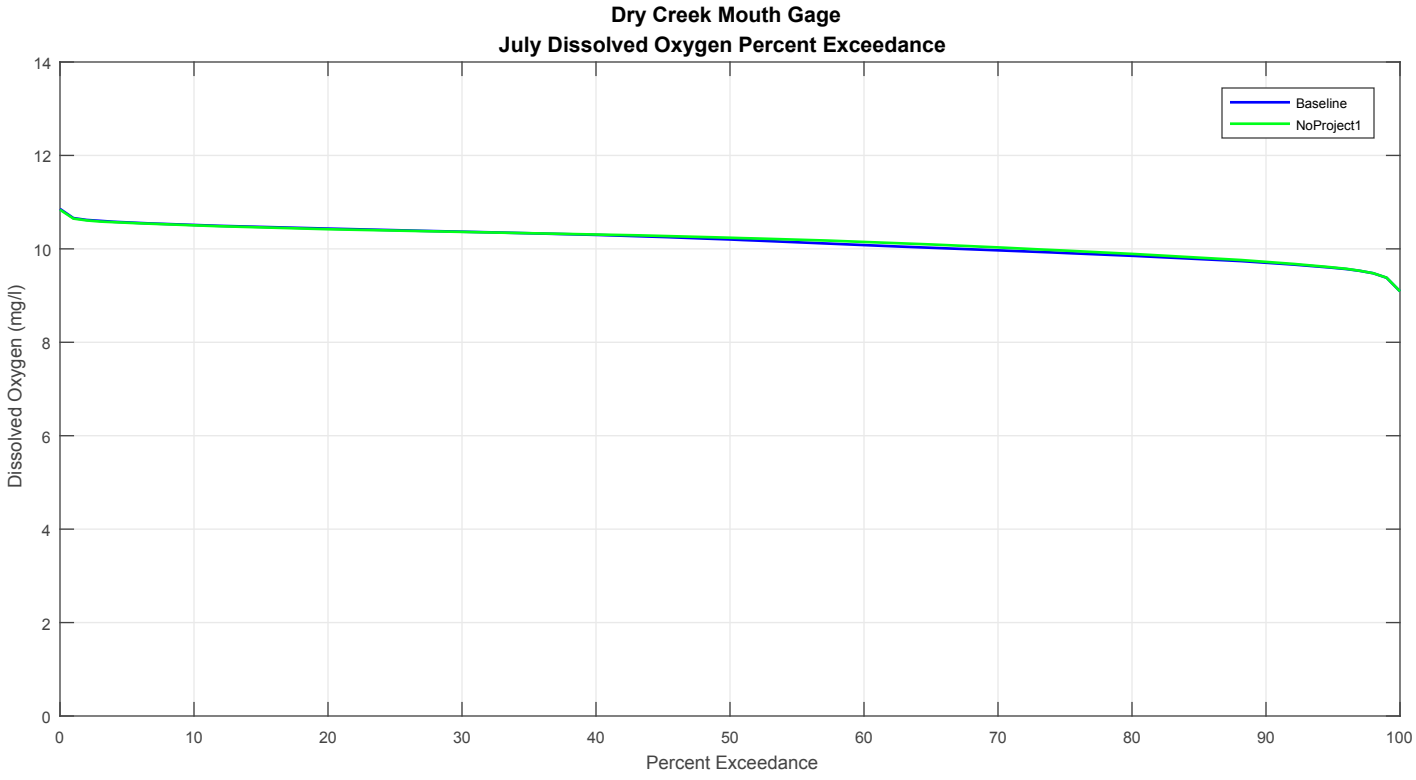
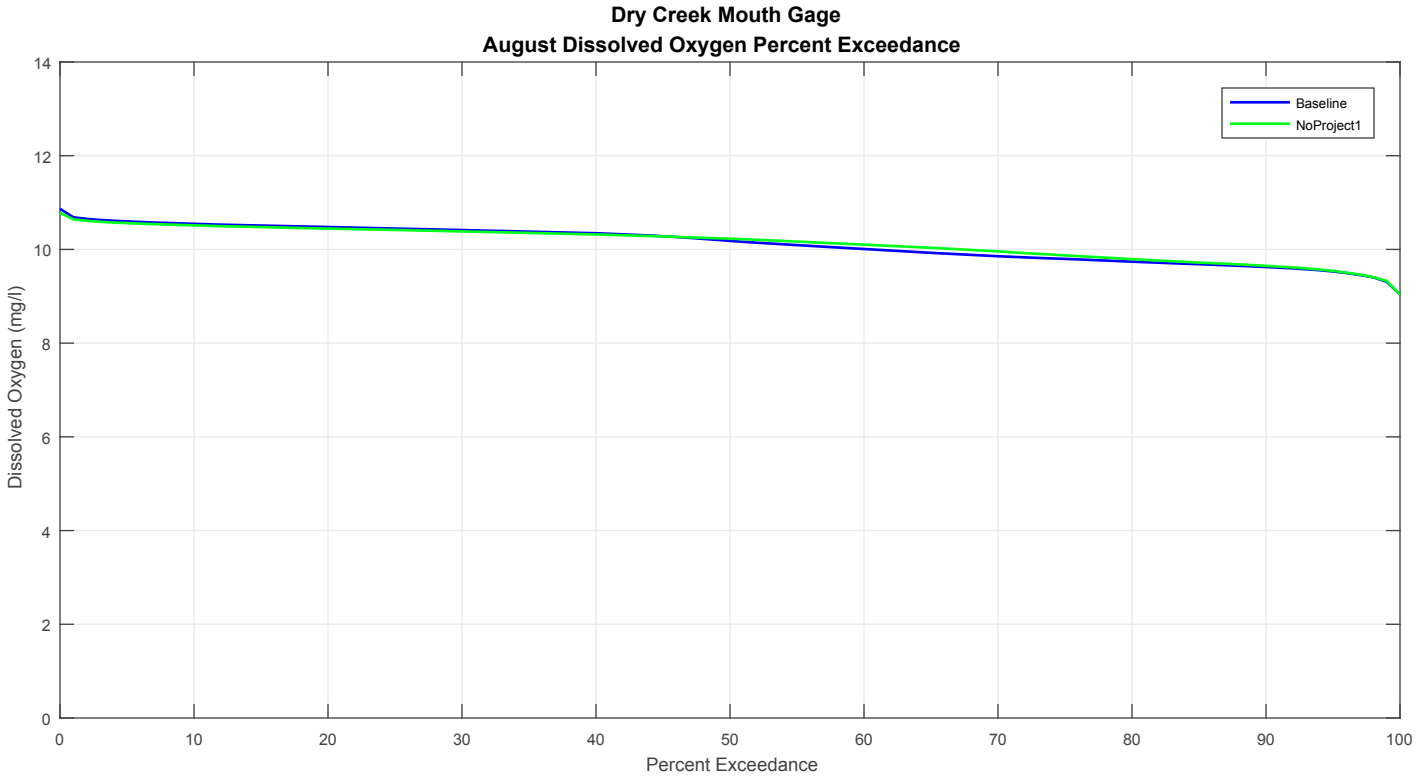
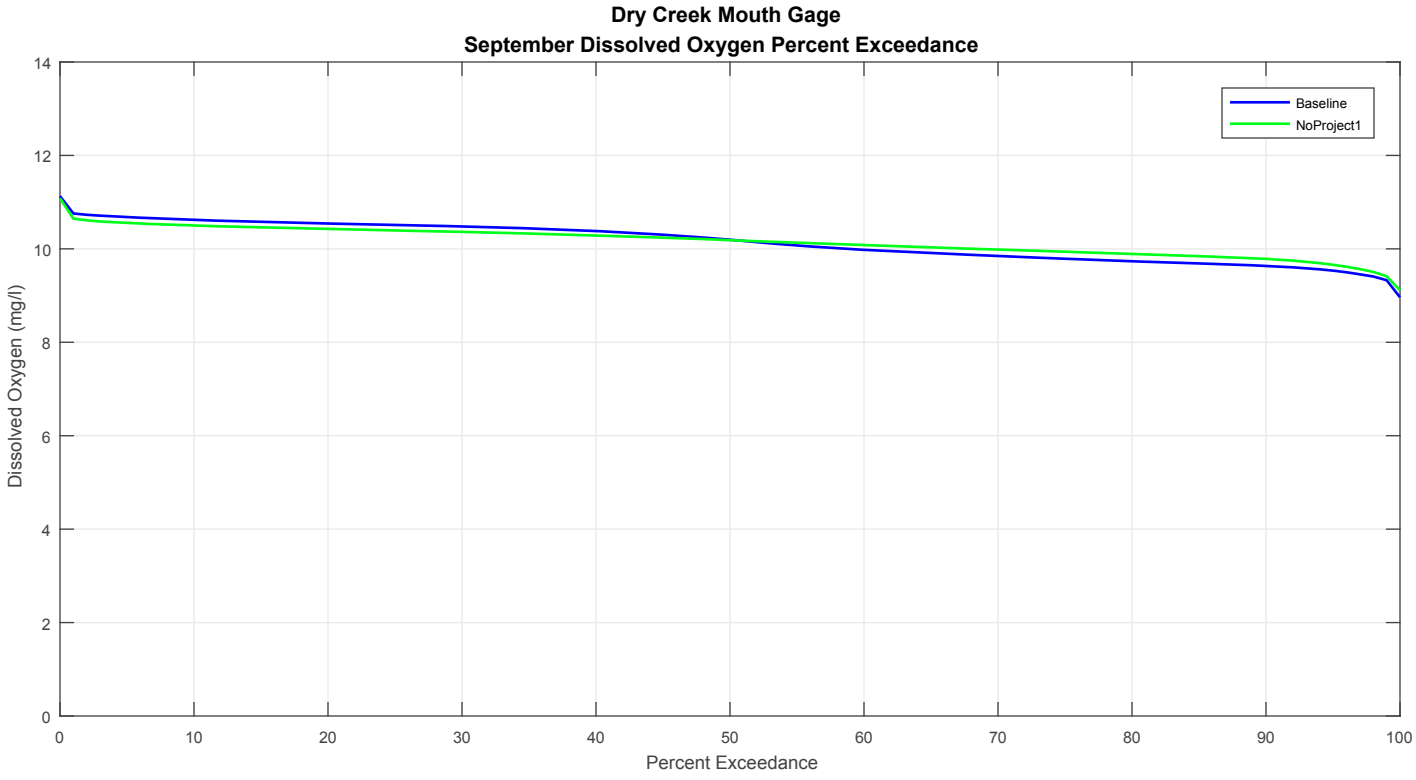
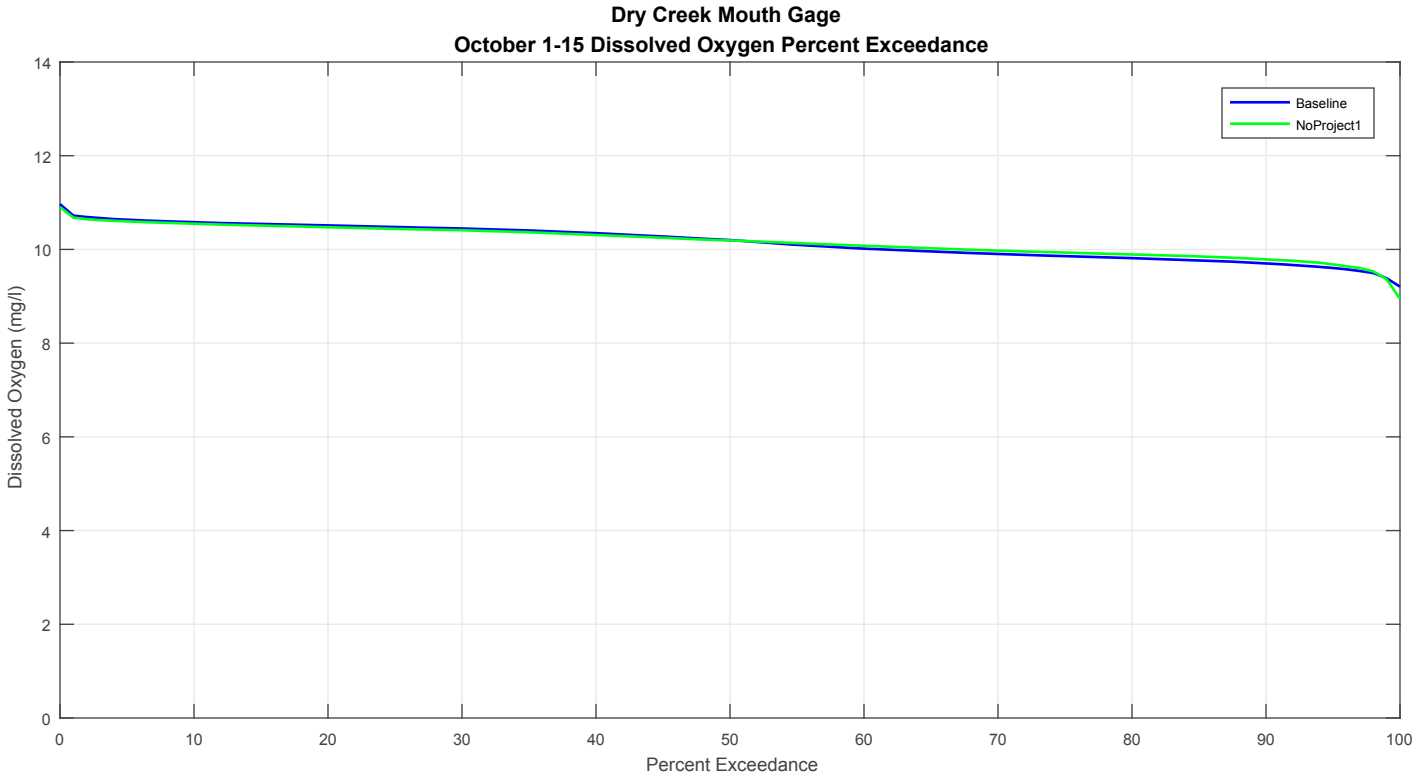
90
100

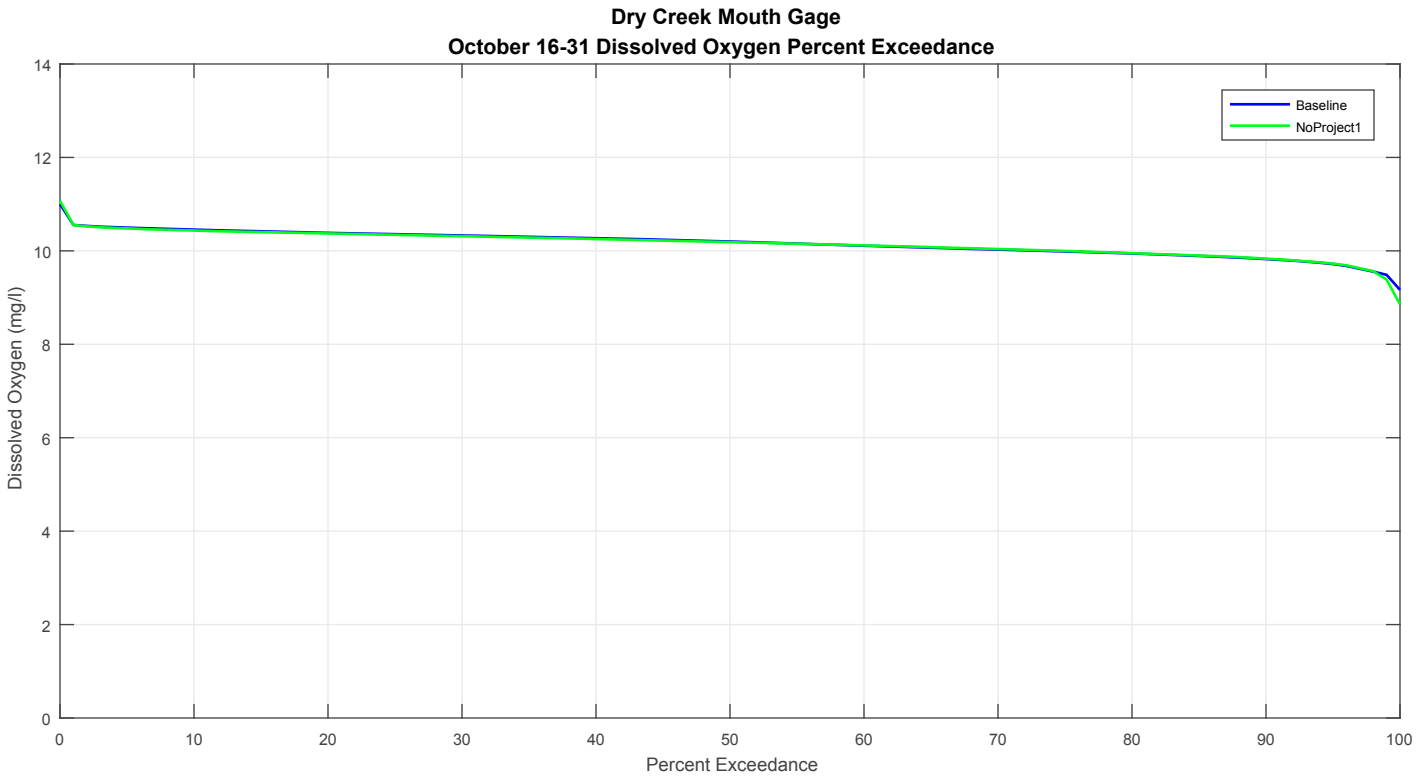

Dry Creek Mouth Gage
June Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
14
0
10
20
30
40
50
60
70
80
90
100


Dry Creek Mouth Gage
July Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
14
0
10
20
30
40
50
60
70
80
90
100


Dry Creek Mouth Gage
August Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
14
0
10
20
30
40
50
60
70
80
90
100


Dry Creek Mouth Gage
September Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
14
0
10
20
30
40
50
60
70
80
90
100


Dry Creek Mouth Gage
October 1-15 Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
14
0
10
20
30
40
50
60
70
80
90
100

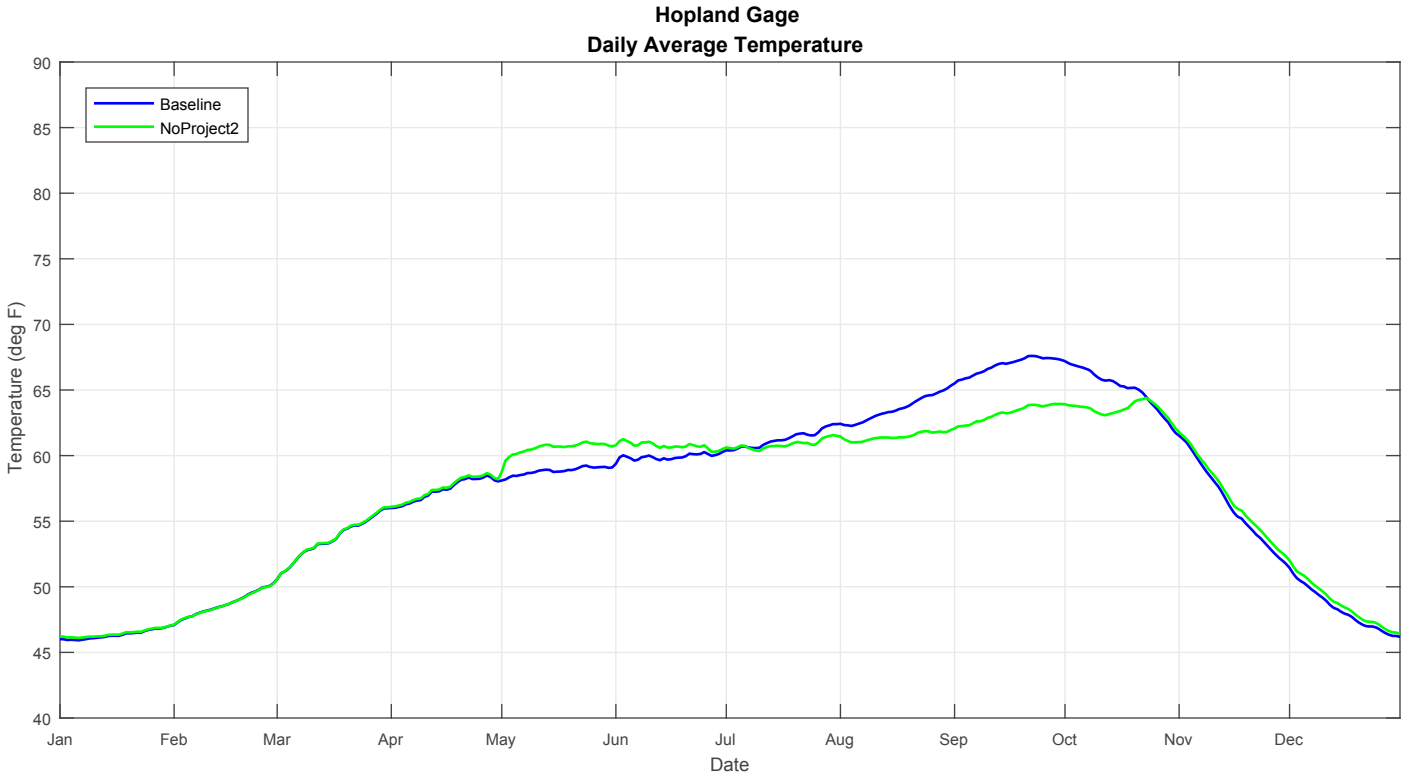

Dry Creek Mouth Gage
October 16-31 Dissolved Oxygen Percent Exceedance
Baseline
NoProject1
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
14
0
10
20
30
40
50
60
70
80
90
100

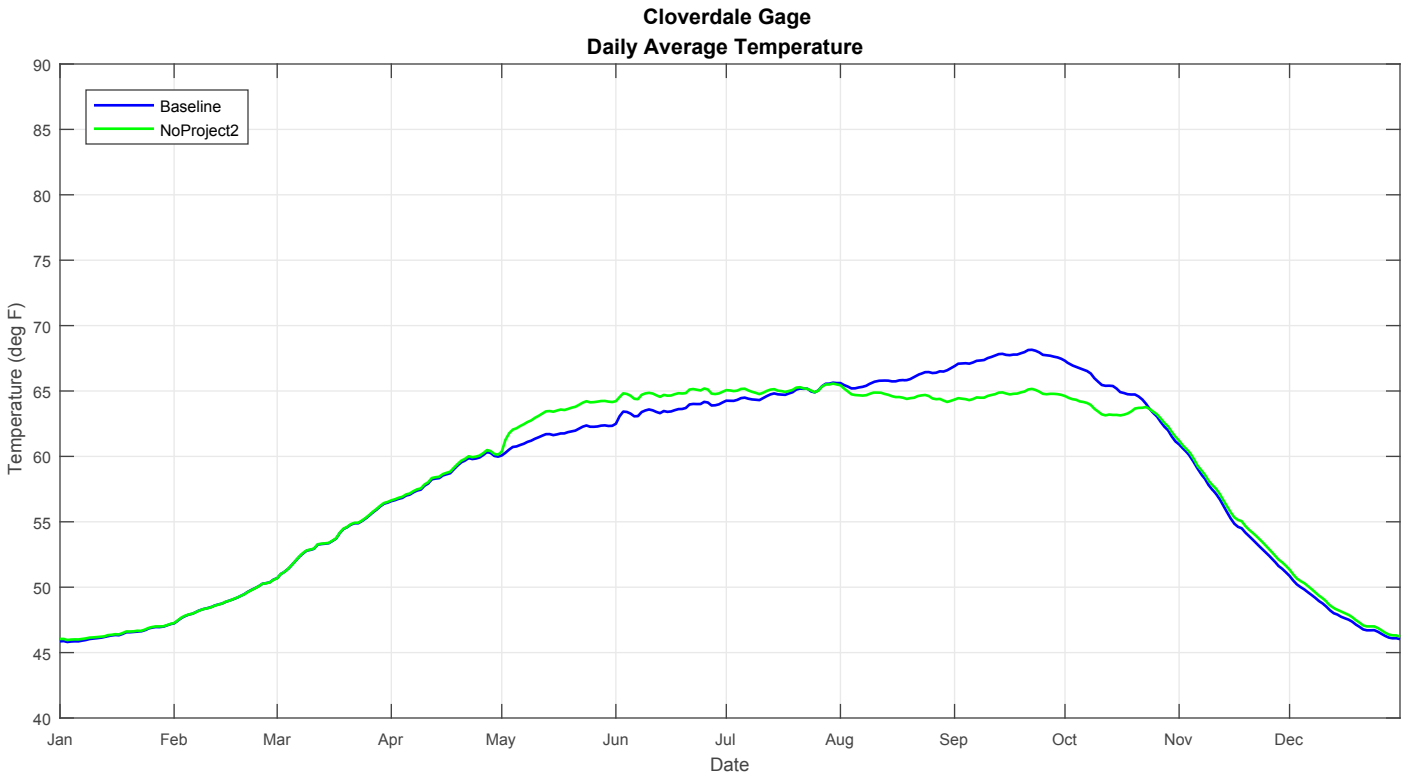
**Errata Item 3**

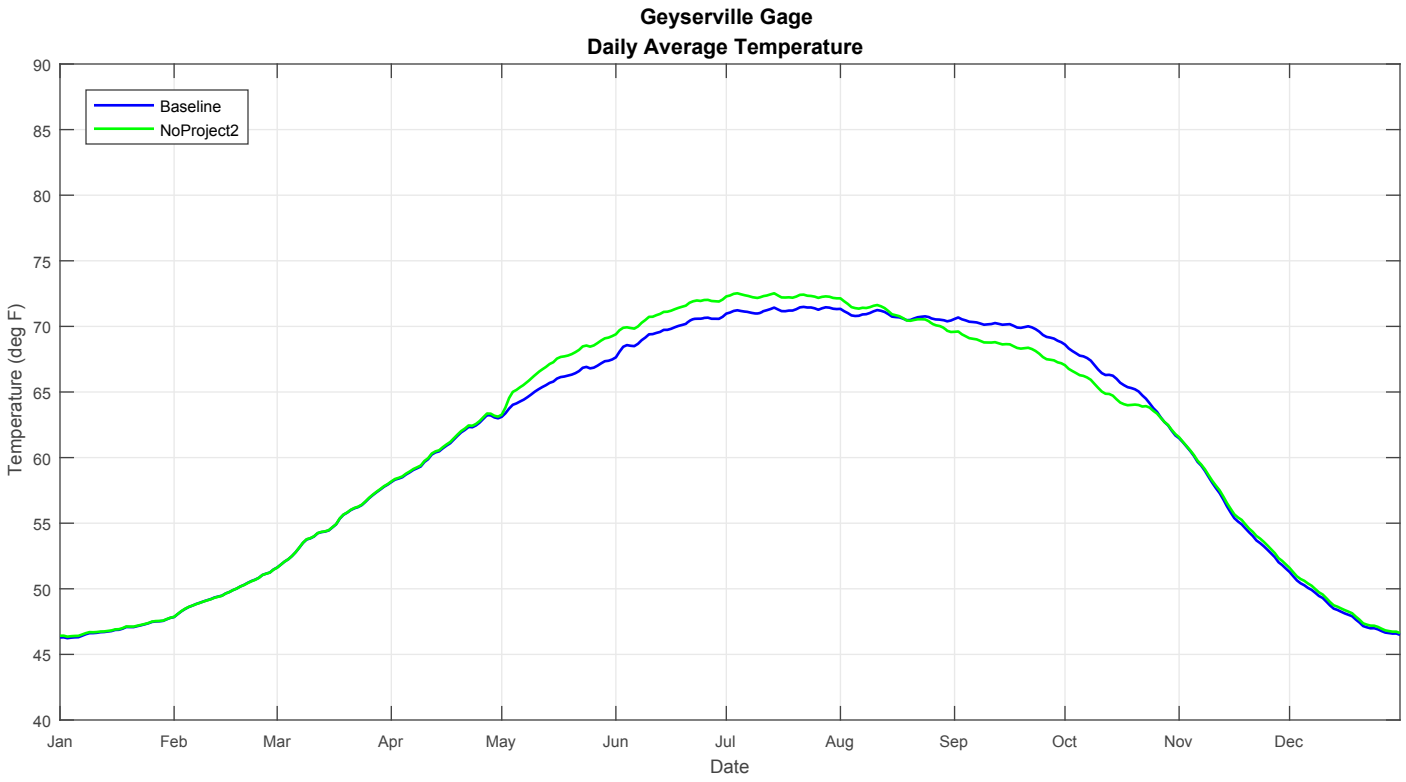
**Appendix G, Modeling Reports**

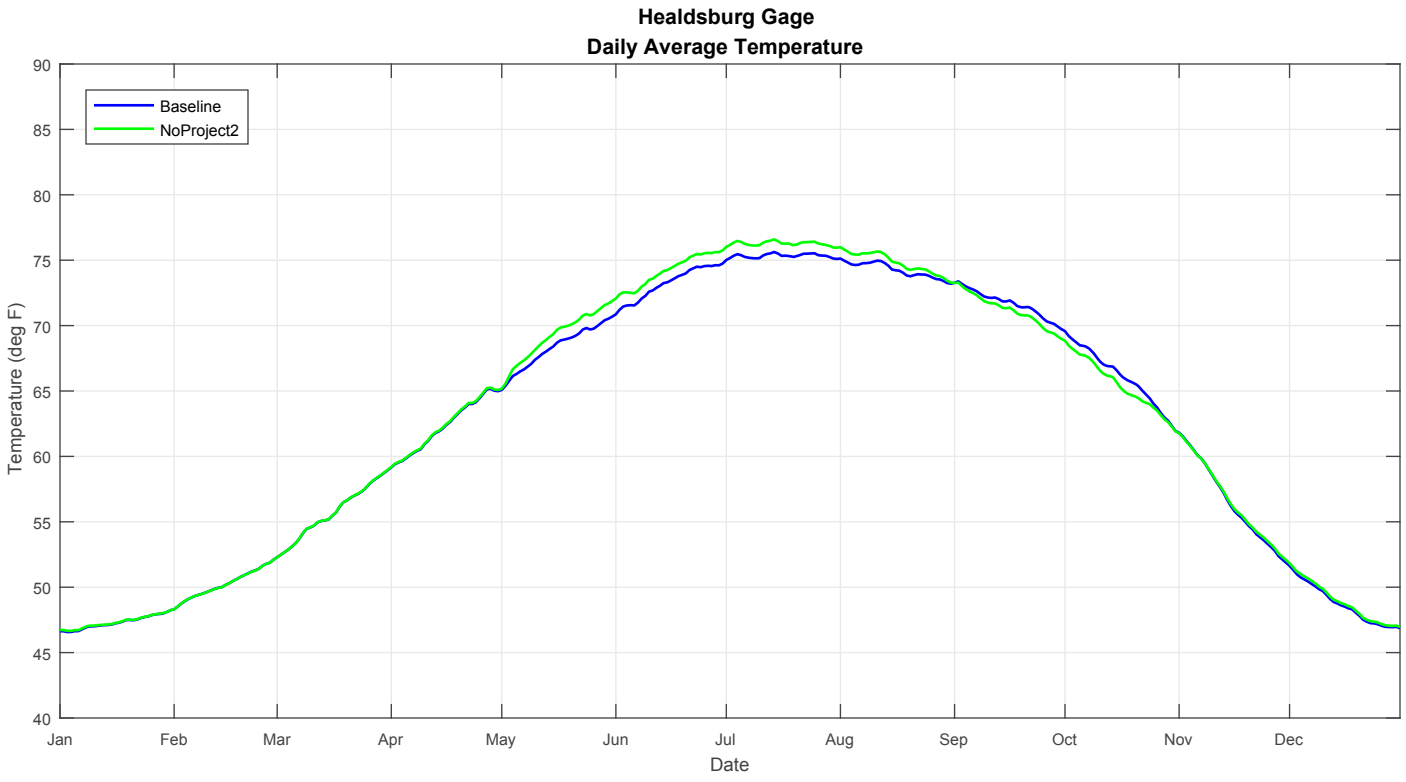
**Russian River Hydrologic Modeling for the Fish Habitat Flow and Water Rights Project, Attachment 2**

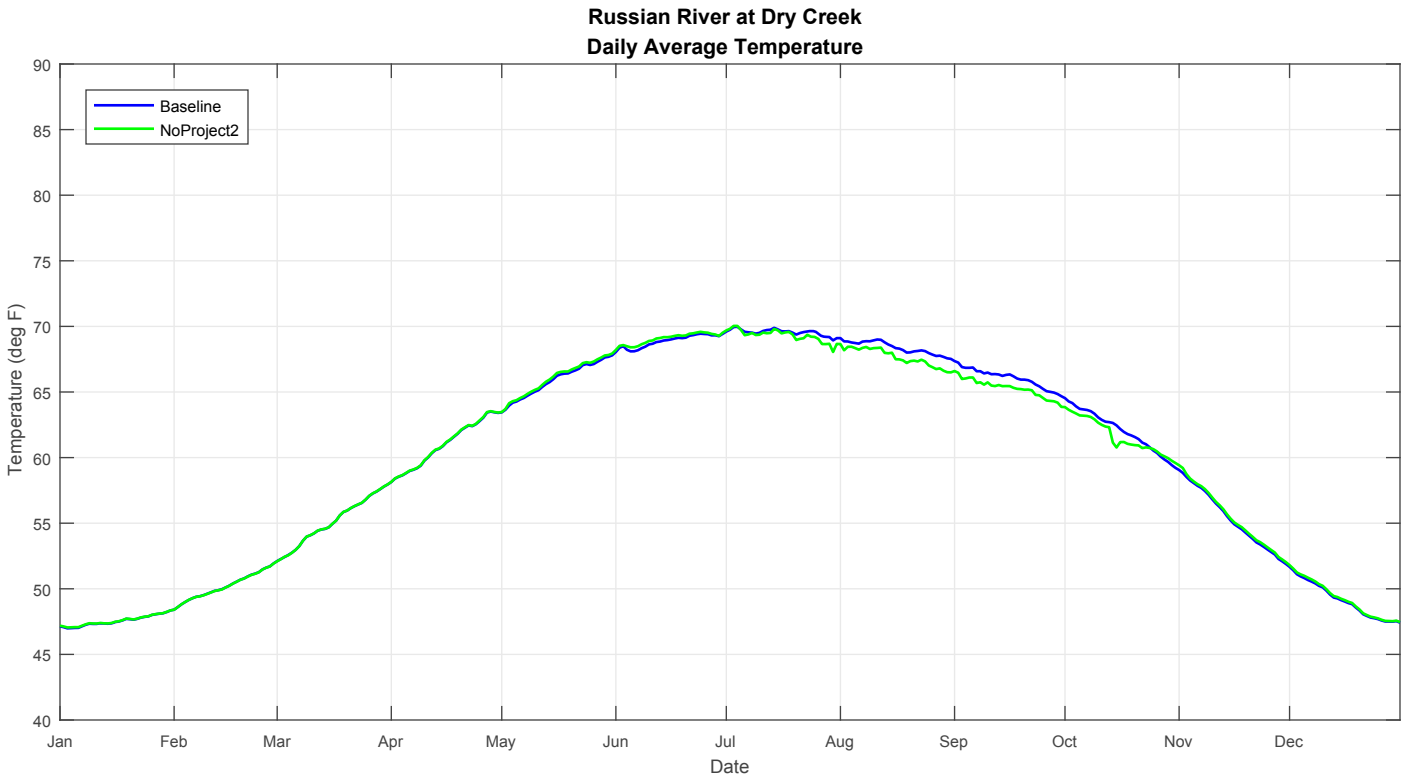
**Pages: 15 - 19, 22 - 26, 119 - 163, 177 - 221**

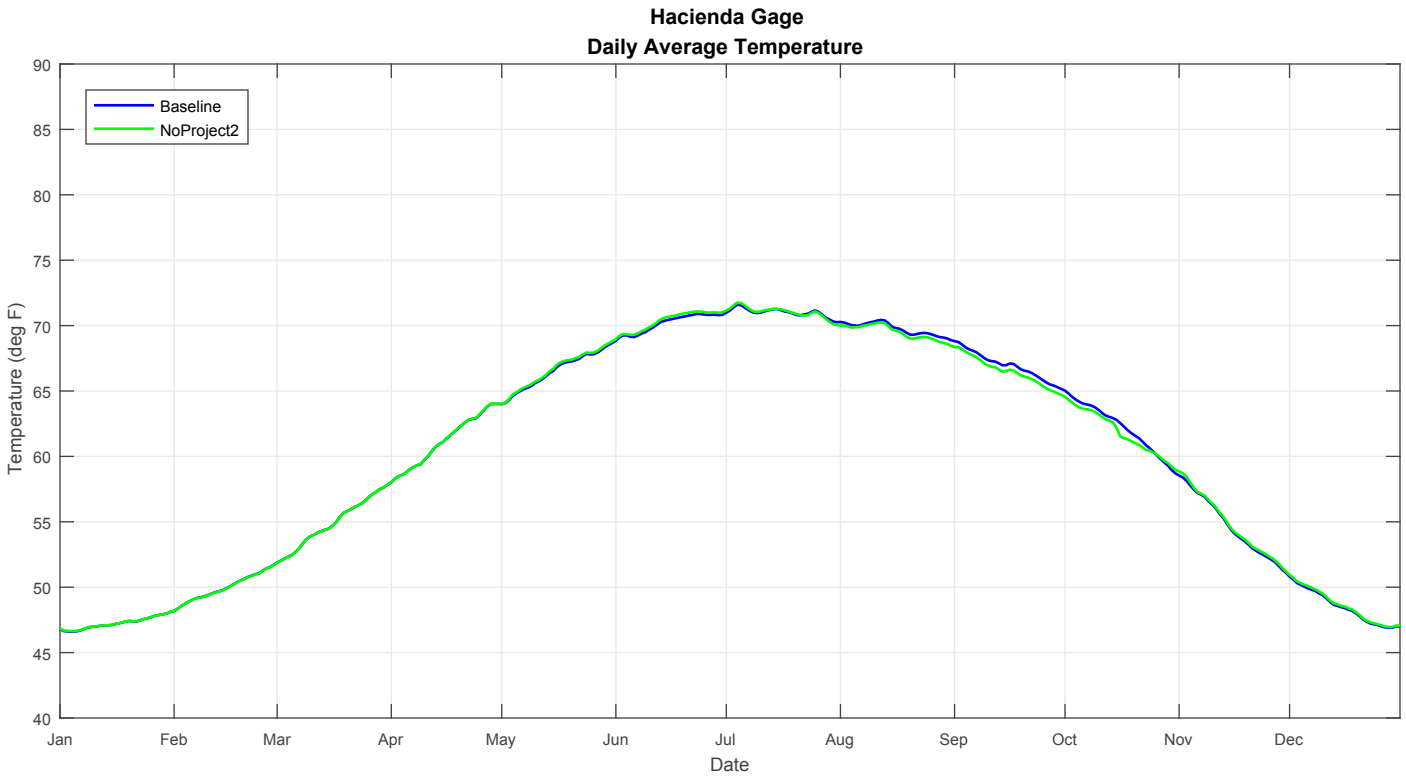

Hopland Gage
Daily Average Temperature
Baseline
NoProject2
Temperature (deg F)
90
85
80
75
70
65
60
55
50
45
40
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date

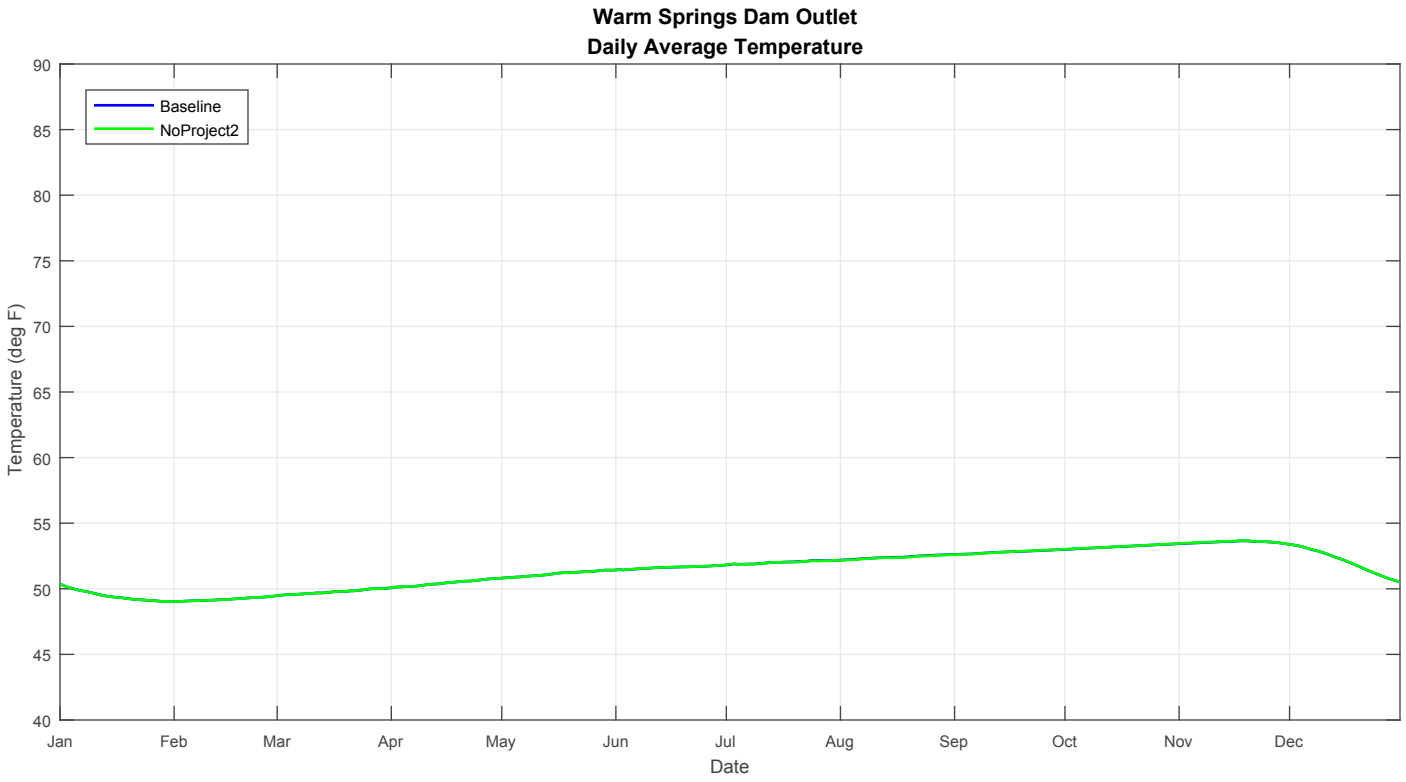

Cloverdale Gage
Daily Average Temperature
Baseline
NoProject2
Temperature (deg F)
90
85
80
75
70
65
60
55
50
45
40
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date

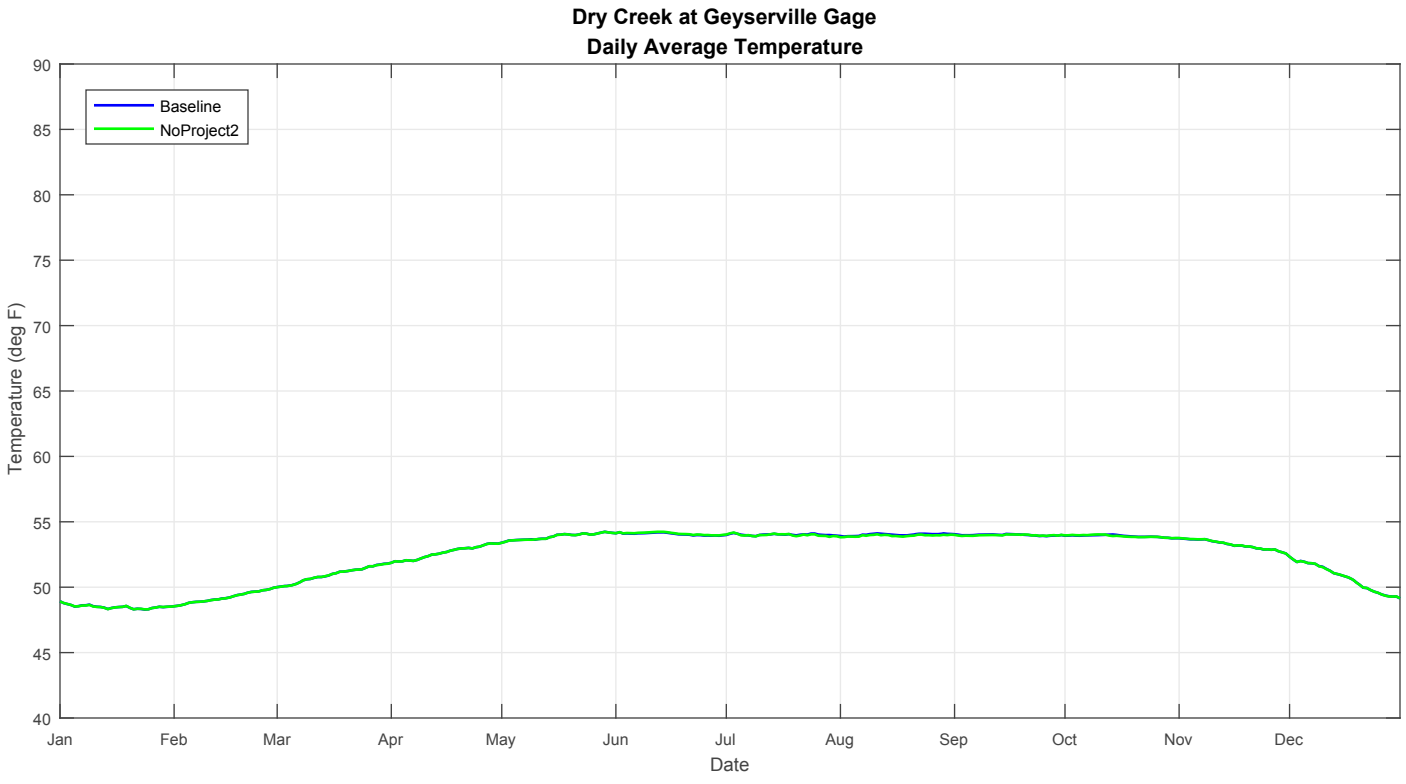

Geyserville Gage
Daily Average Temperature
Baseline
NoProject2
Temperature (deg F)
90
85
80
75
70
65
60
55
50
45
40
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date

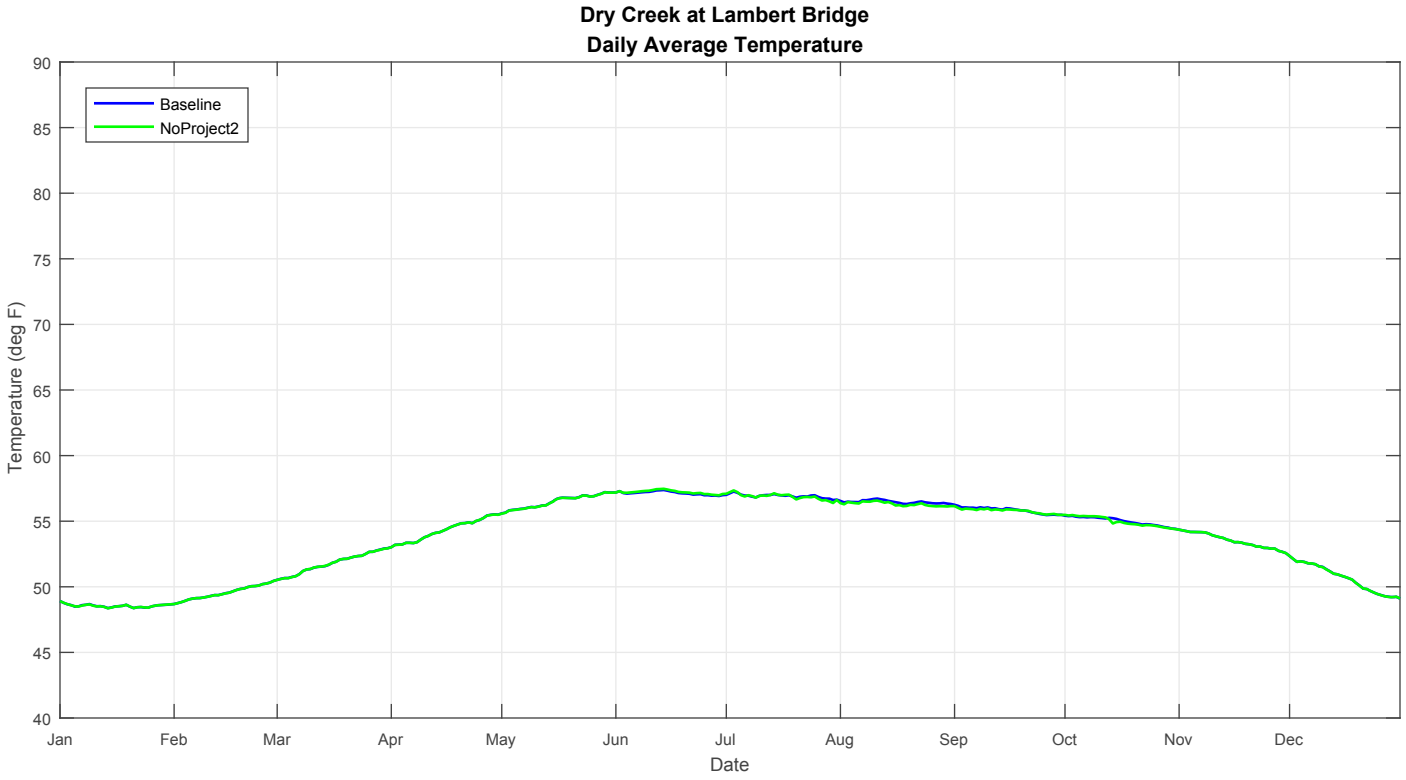

Healdsburg Gage
Daily Average Temperature
Baseline
NoProject2
Temperature (deg F)
90
85
80
75
70
65
60
55
50
45
40
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date

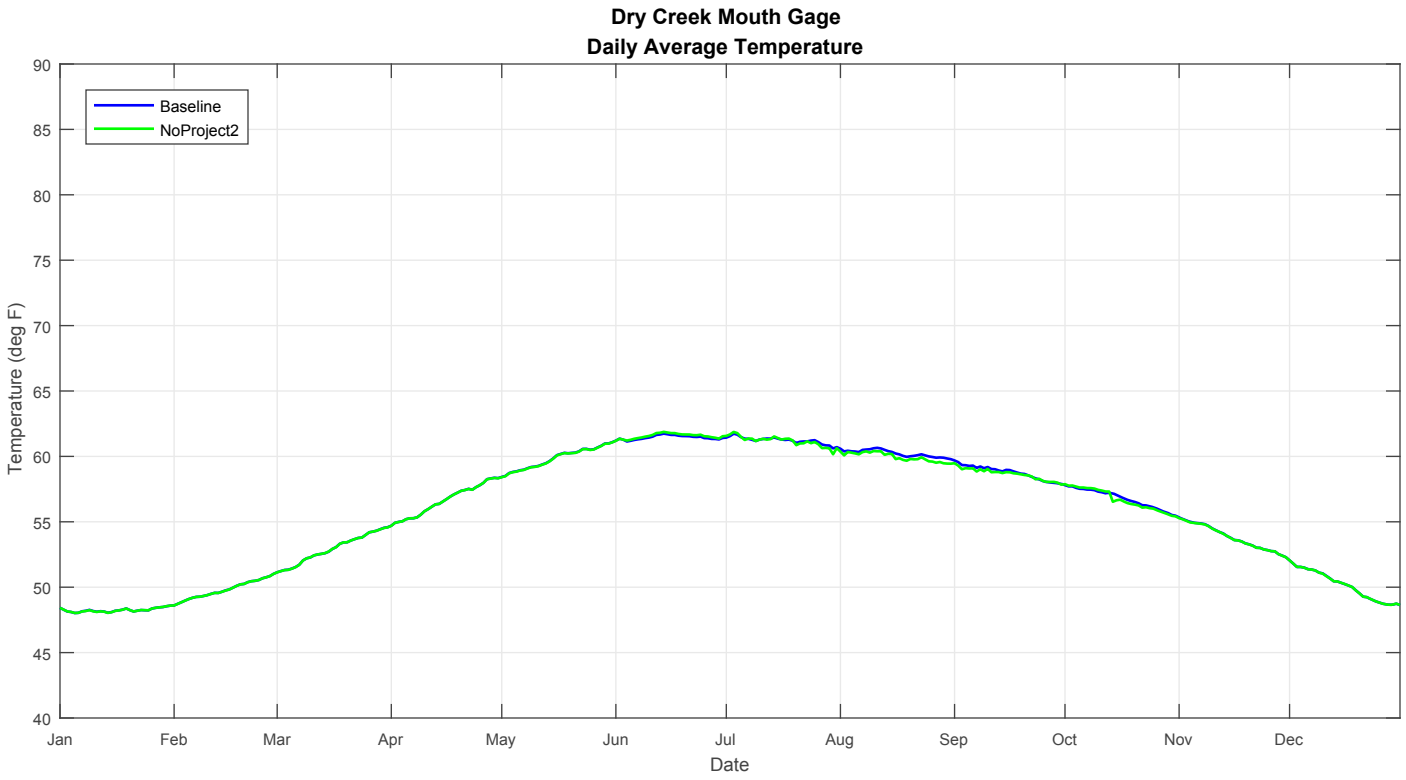

Russian River at Dry Creek
Daily Average Temperature
Baseline
NoProject2
Temperature (deg F)
90
85
80
75
70
65
60
55
50
45
40
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date

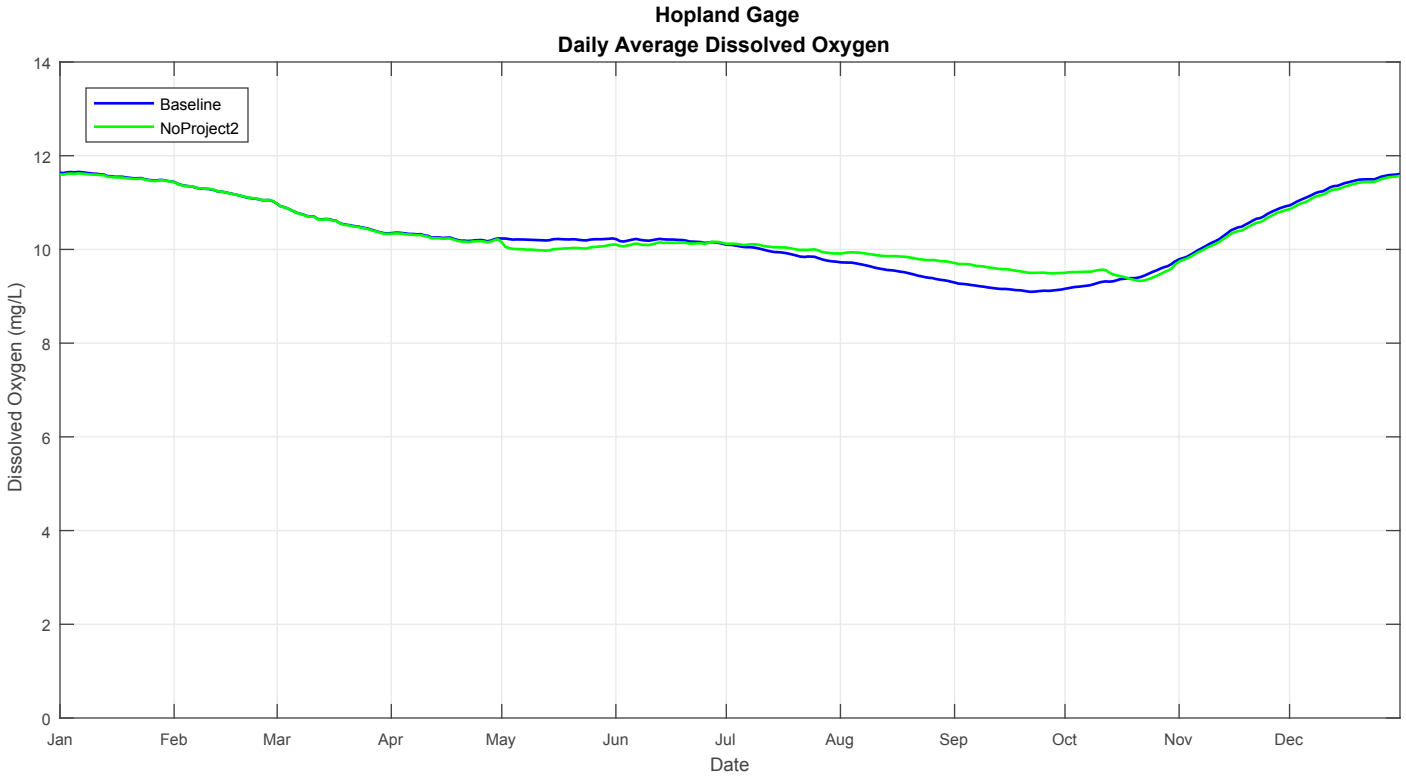

Hacienda Gage
Daily Average Temperature
Baseline
NoProject2
Temperature (deg F)
90
85
80
75
70
65
60
55
50
45
40
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date

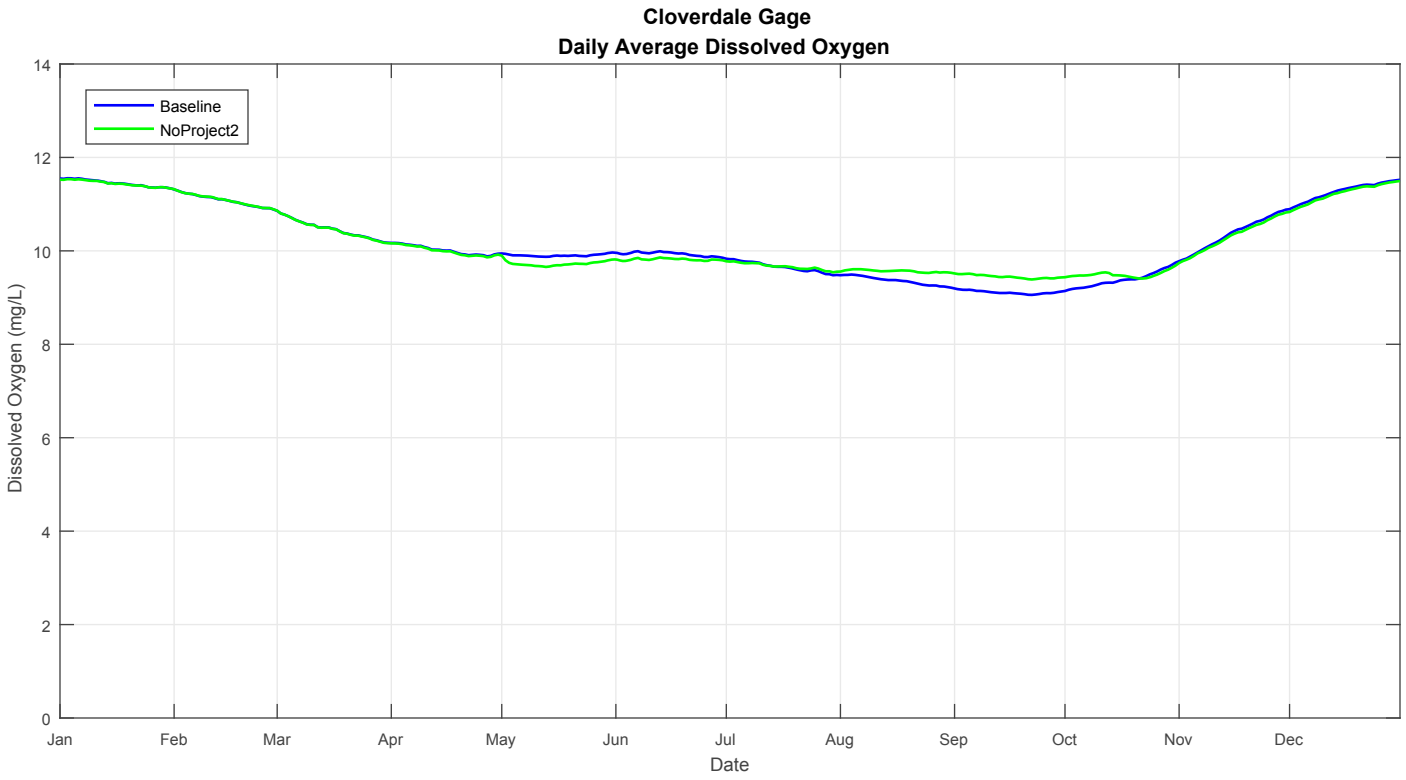

Warm Springs Dam Outlet
Daily Average Temperature
Baseline
NoProject2
Temperature (deg F)
90
85
80
75
70
65
60
55
50
45
40
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date

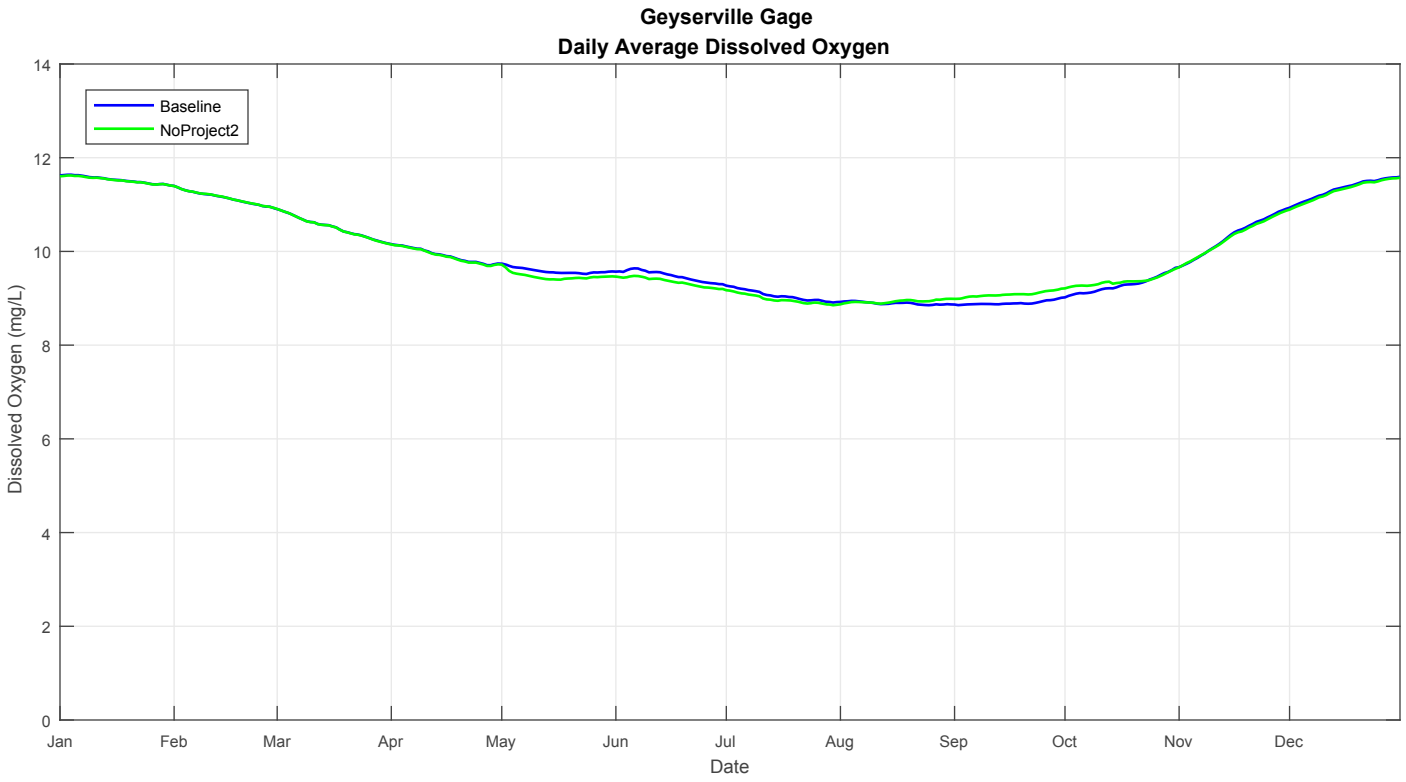

Dry Creek at Geyserville Gage
Daily Average Temperature
Baseline
NoProject2
Temperature (deg F)
90
85
80
75
70
65
60
55
50
45
40
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date

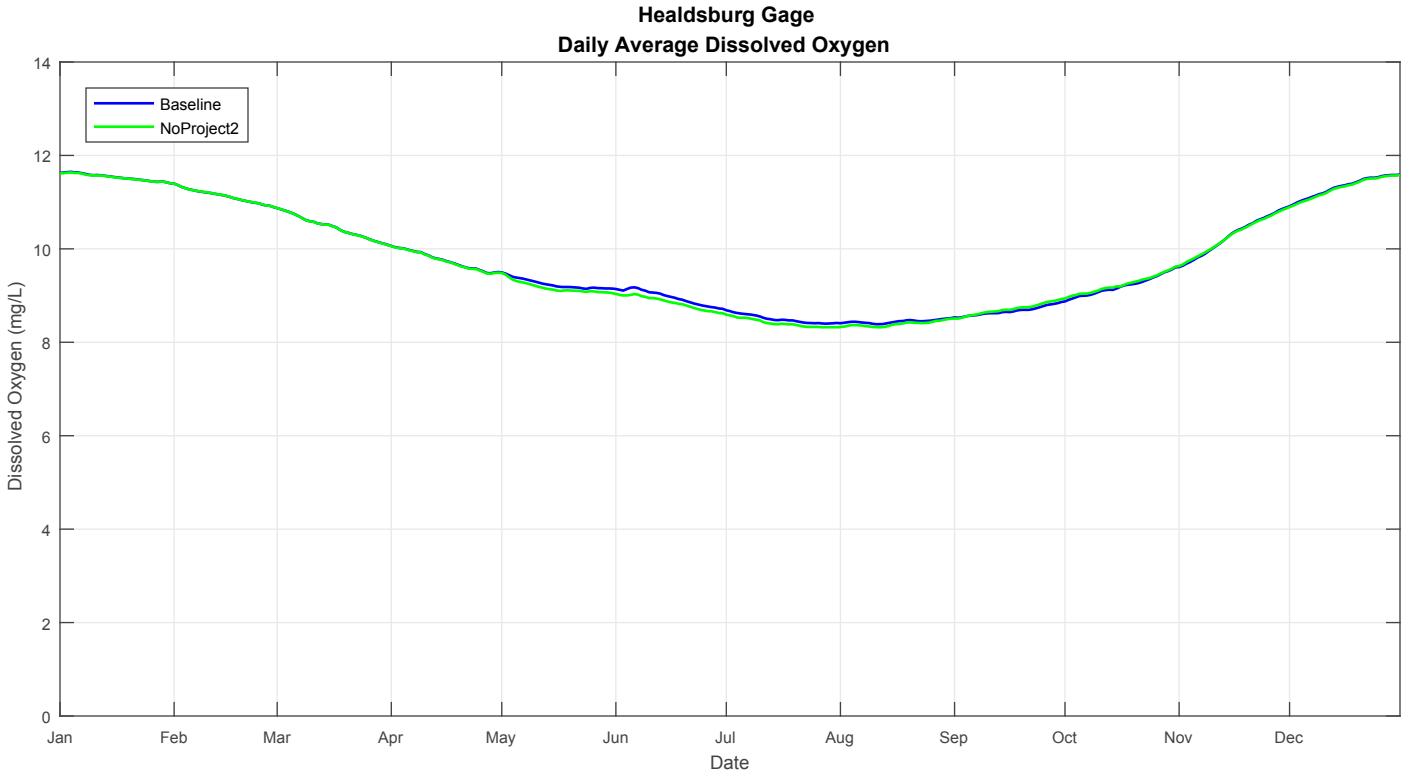

Dry Creek at Lambert Bridge
Daily Average Temperature
Baseline
NoProject2
Temperature (deg F)
90
85
80
75
70
65
60
55
50
45
40
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date

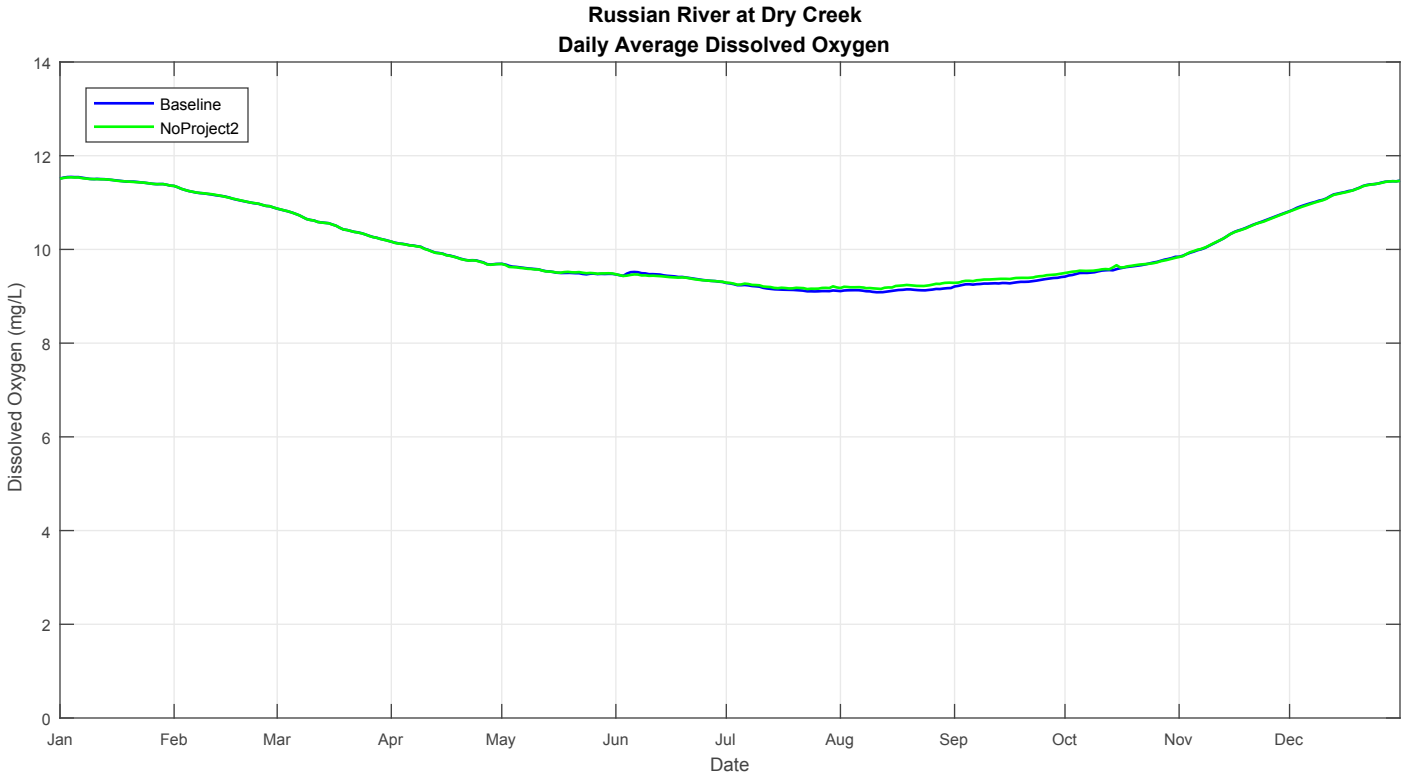

Dry Creek Mouth Gage
Daily Average Temperature
Baseline
NoProject2
Temperature (deg F)
90
85
80
75
70
65
60
55
50
45
40
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date

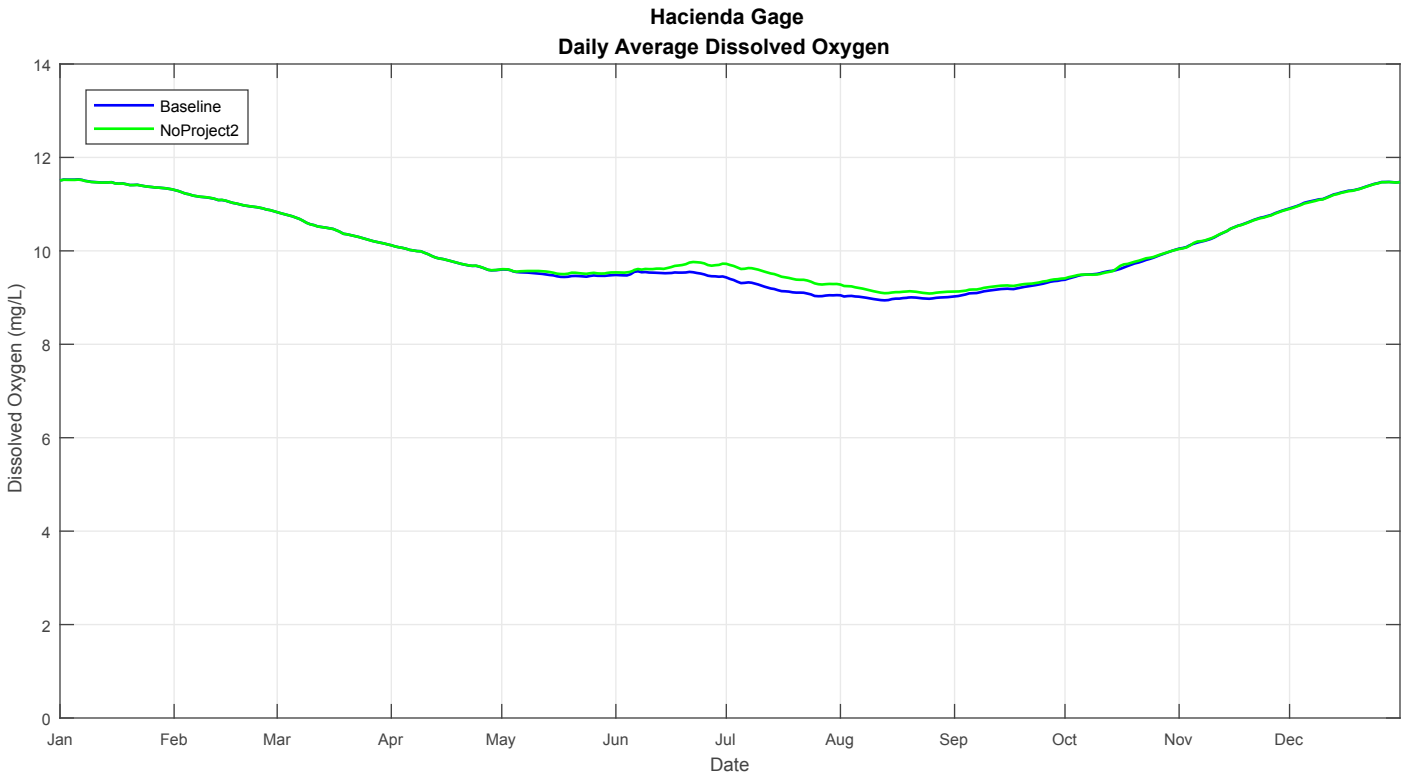

Hopland Gage
Daily Average Dissolved Oxygen
Baseline
NoProject2
Dissolved Oxygen (mg/L)
0
2
4
6
8
10
12
14
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date

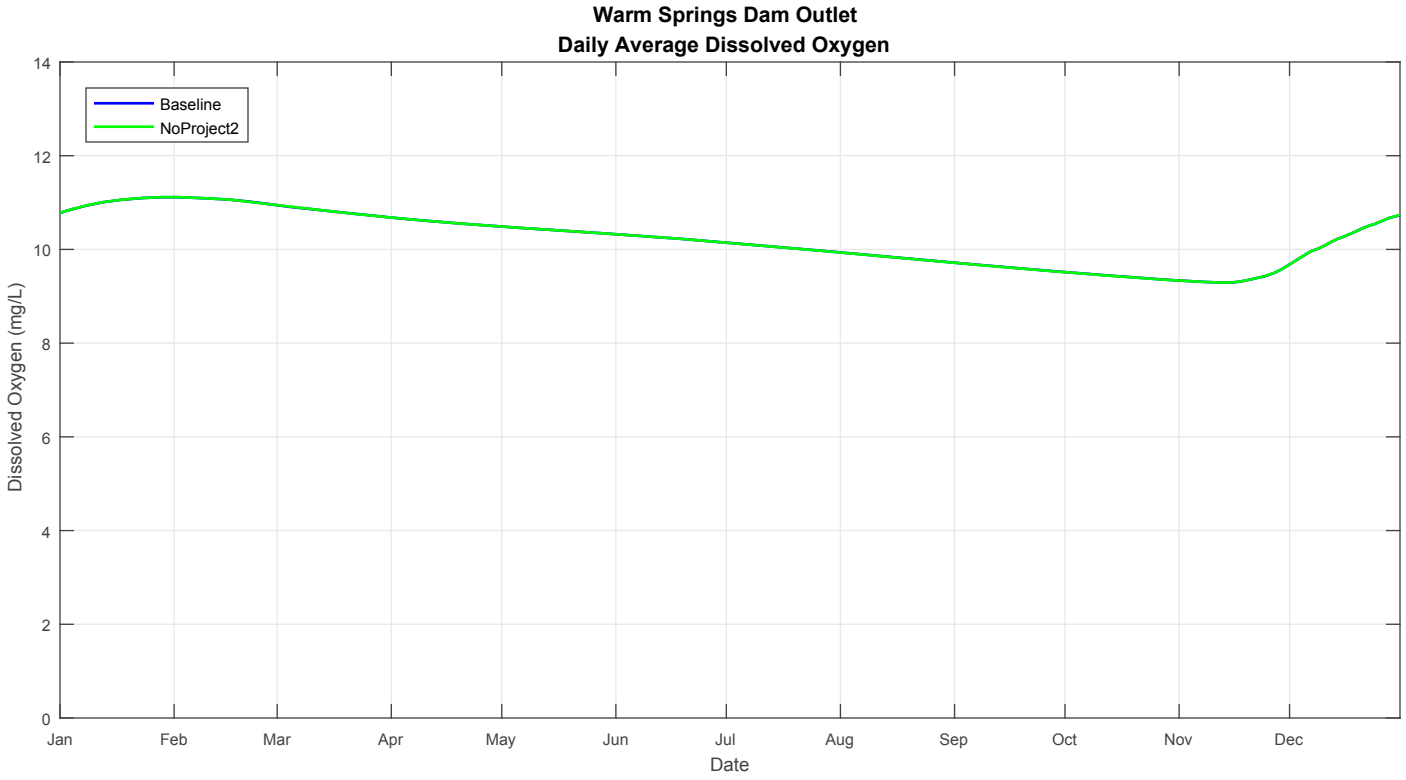

Cloverdale Gage
Daily Average Dissolved Oxygen
Baseline
NoProject2
Dissolved Oxygen (mg/L)
0
2
4
6
8
10
12
14
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date

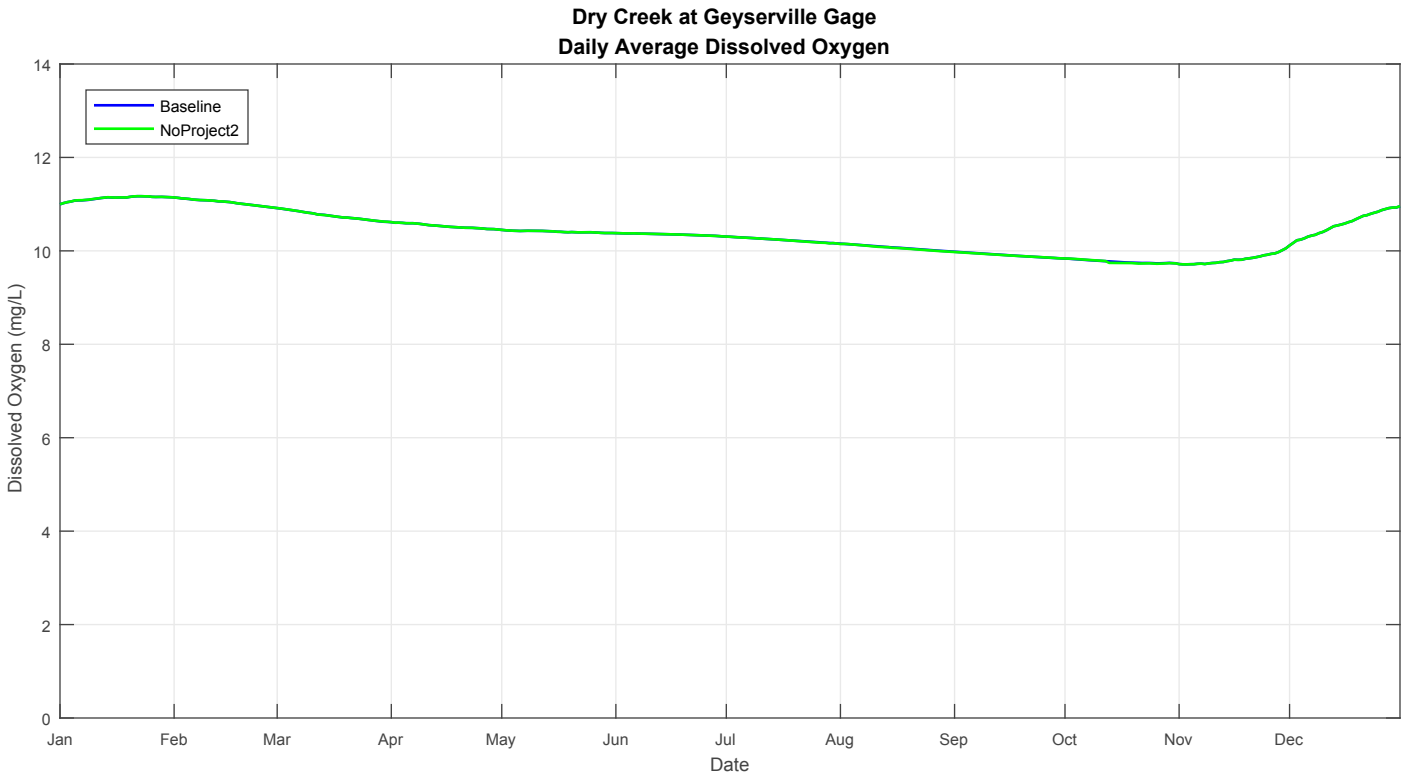

Geyserville Gage
Daily Average Dissolved Oxygen
Baseline
NoProject2
Dissolved Oxygen (mg/L)
0
2
4
6
8
10
12
14
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date

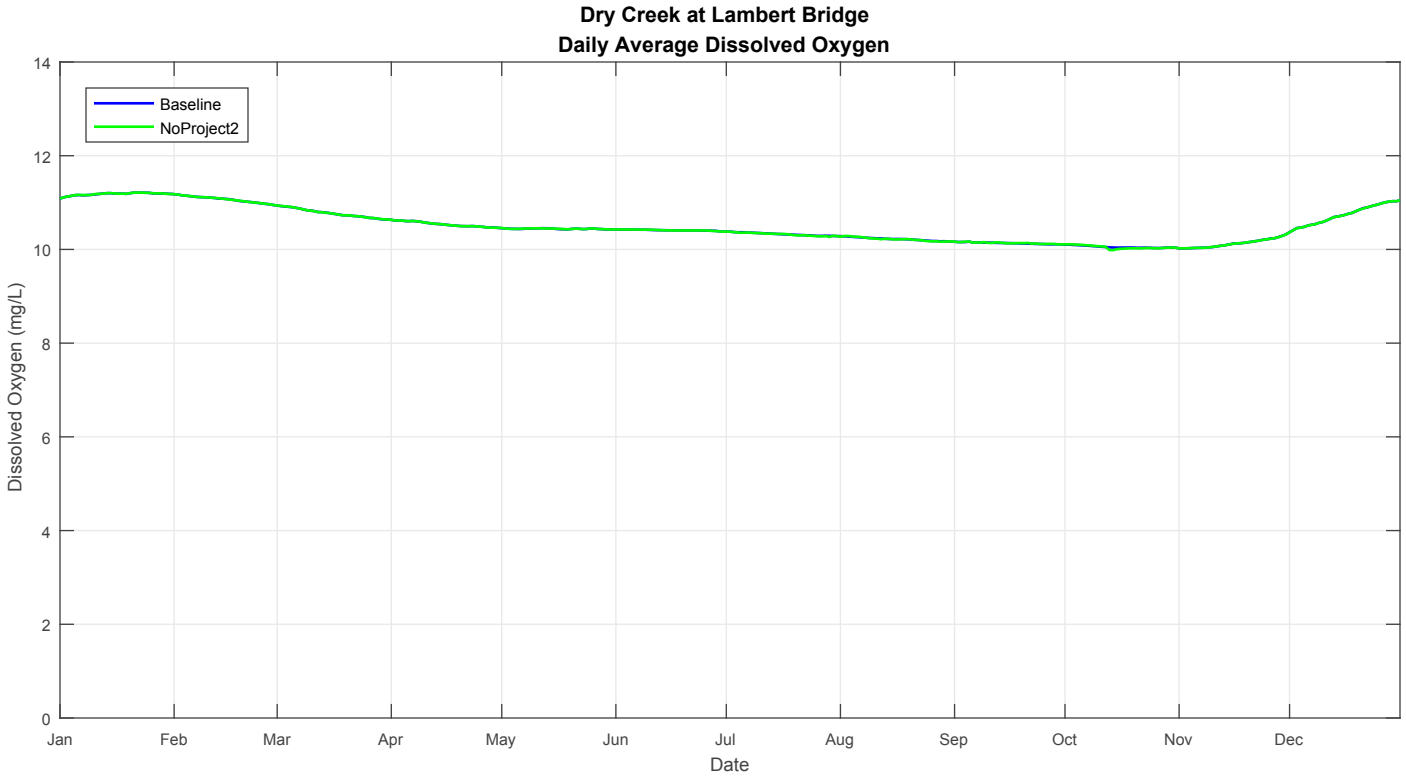

Healdsburg Gage
Daily Average Dissolved Oxygen
Baseline
NoProject2
Dissolved Oxygen (mg/L)
0
2
4
6
8
10
12
14
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date

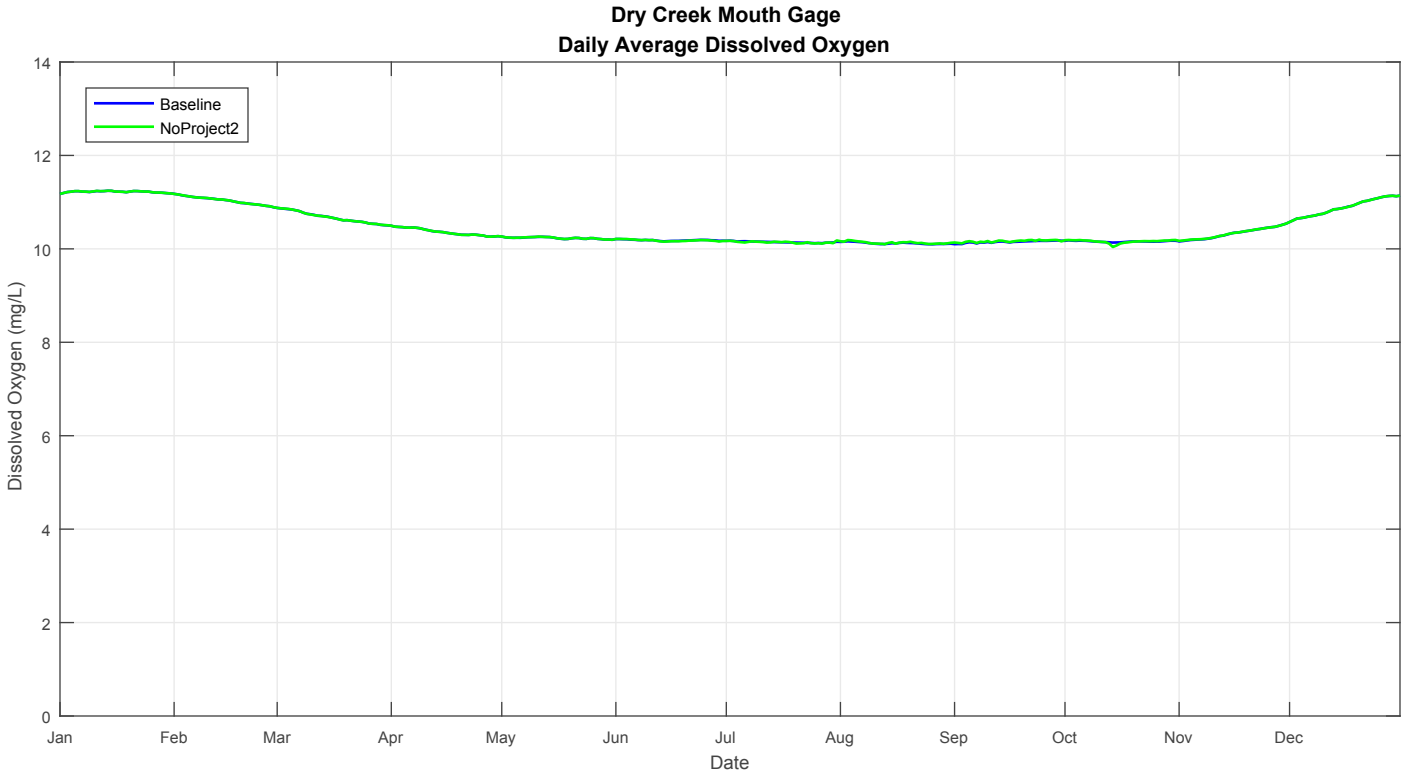

Russian River at Dry Creek
Daily Average Dissolved Oxygen
Baseline
NoProject2
Dissolved Oxygen (mg/L)
0
2
4
6
8
10
12
14
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date

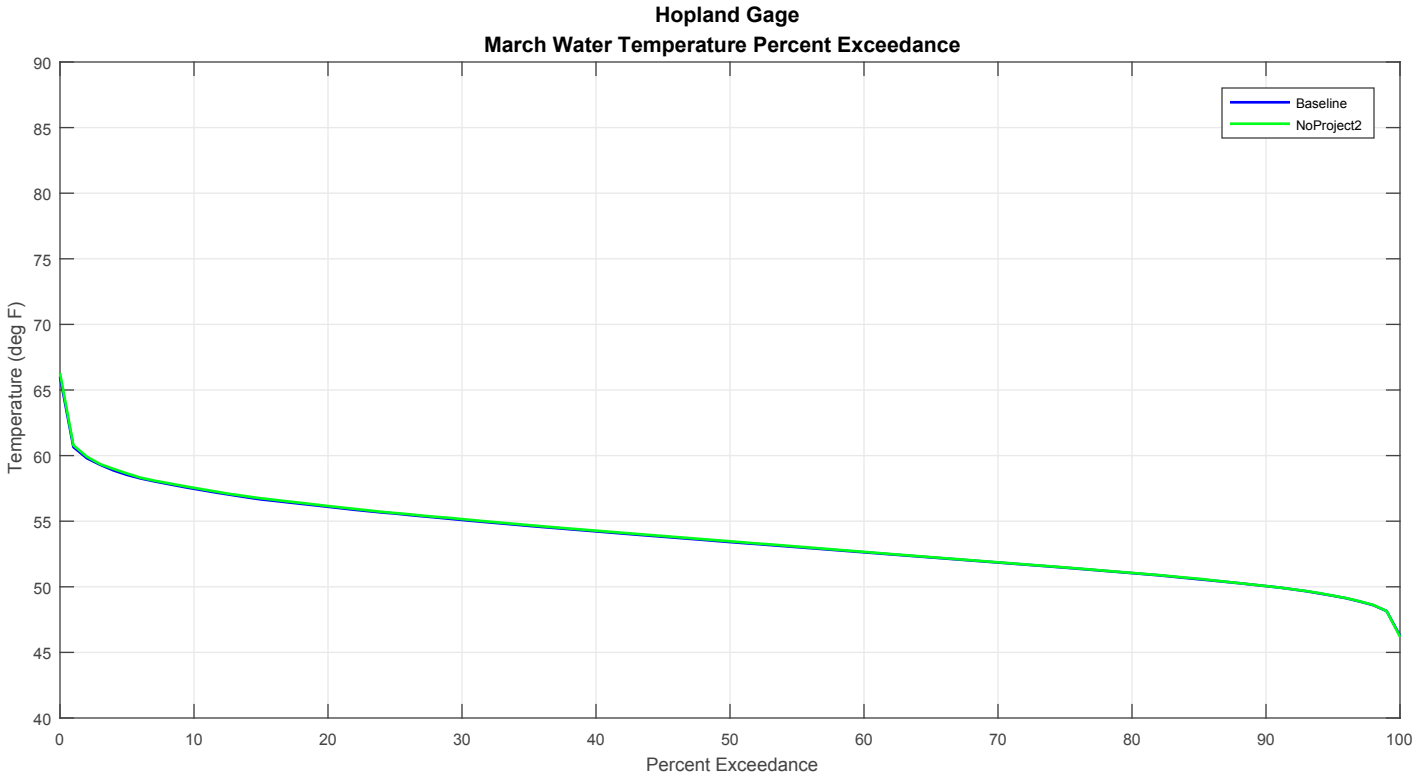

Hacienda Gage
Daily Average Dissolved Oxygen
Baseline
NoProject2
Dissolved Oxygen (mg/L)
0
2
4
6
8
10
12
14
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date

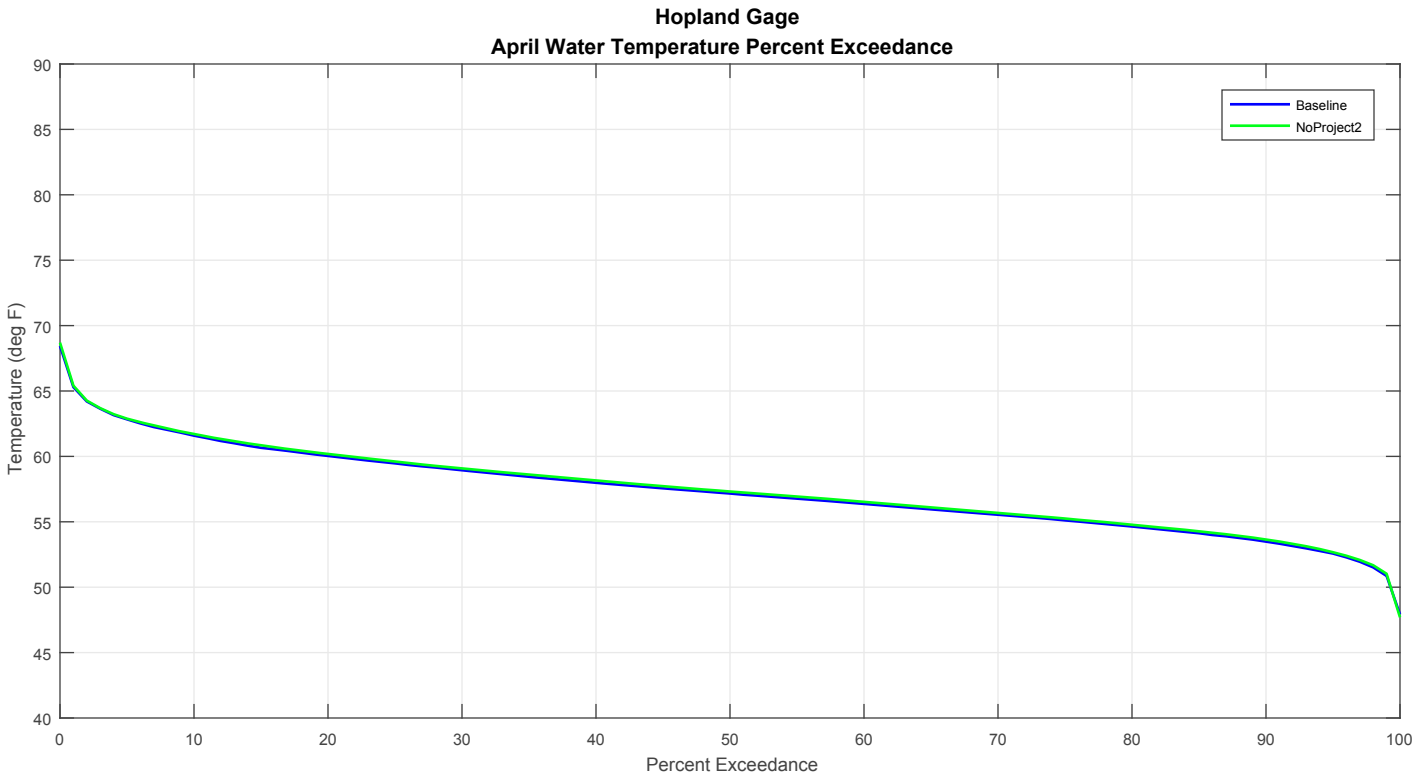

Warm Springs Dam Outlet
Daily Average Dissolved Oxygen
Baseline
NoProject2
Dissolved Oxygen (mg/L)
0
2
4
6
8
10
12
14
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date


Dry Creek at Geyserville Gage
Daily Average Dissolved Oxygen
Baseline
NoProject2
Dissolved Oxygen (mg/L)
0
2
4
6
8
10
12
14
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date


Dry Creek at Lambert Bridge
Daily Average Dissolved Oxygen
Baseline
NoProject2
Dissolved Oxygen (mg/L)
0
2
4
6
8
10
12
14
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date


Dry Creek Mouth Gage
Daily Average Dissolved Oxygen
Baseline
NoProject2
Dissolved Oxygen (mg/L)
0
2
4
6
8
10
12
14
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date


Hopland Gage
March Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
90
85
80
75
70
65
60
55
50
45
40
0
10
20
30
40
50
60
70
80
90
100


Hopland Gage
April Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
90
85
80
75
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55
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30
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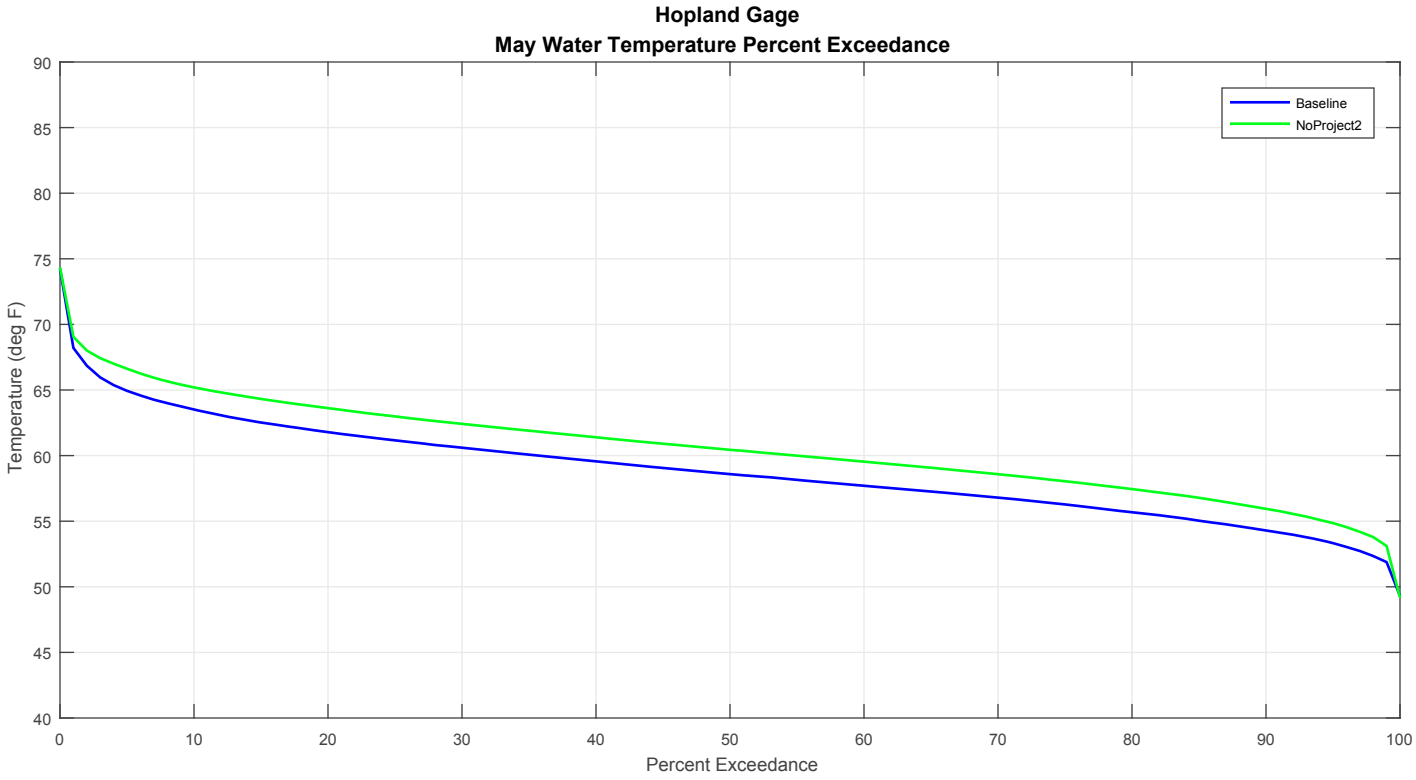
70
80
90
100


Hopland Gage
May Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
90
85
80
75
70
65
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55
50
45
40
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10
20
30
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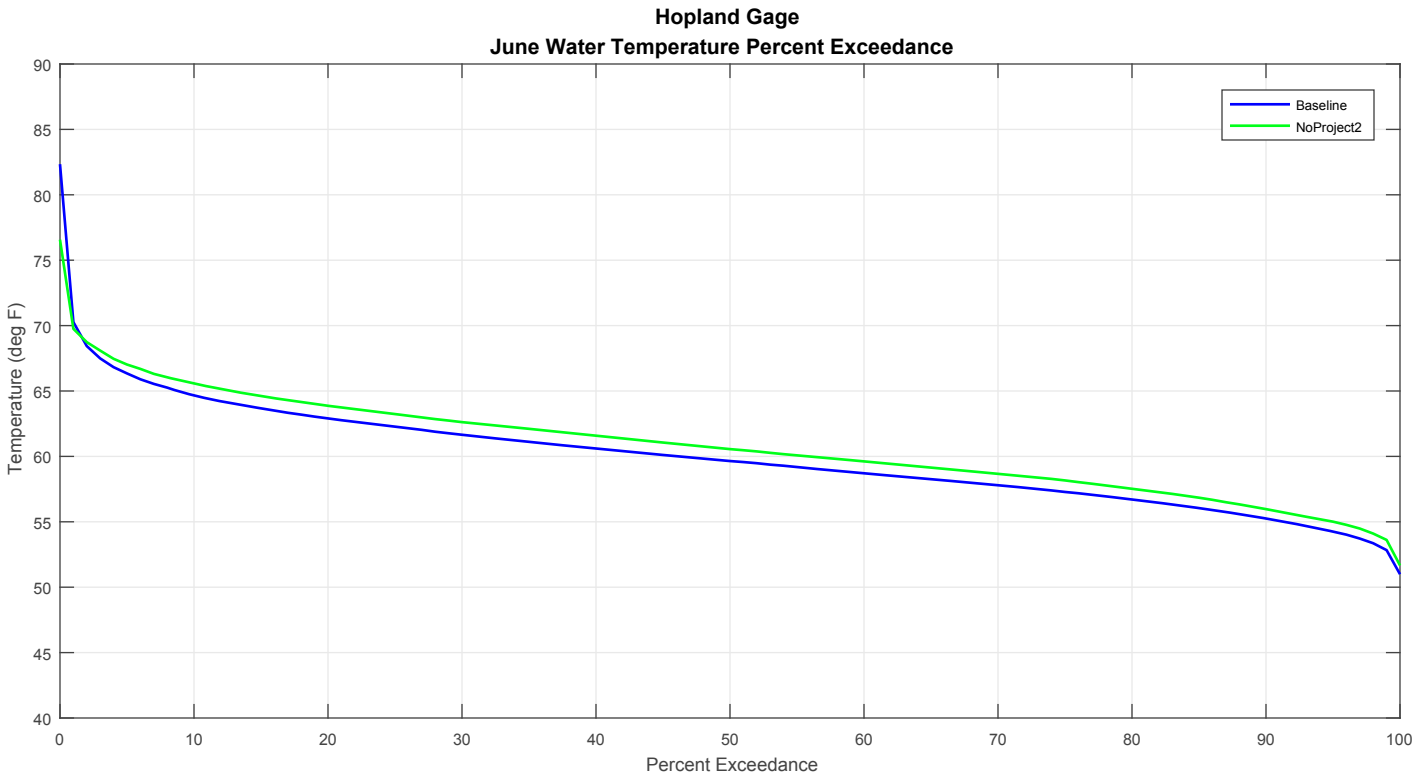
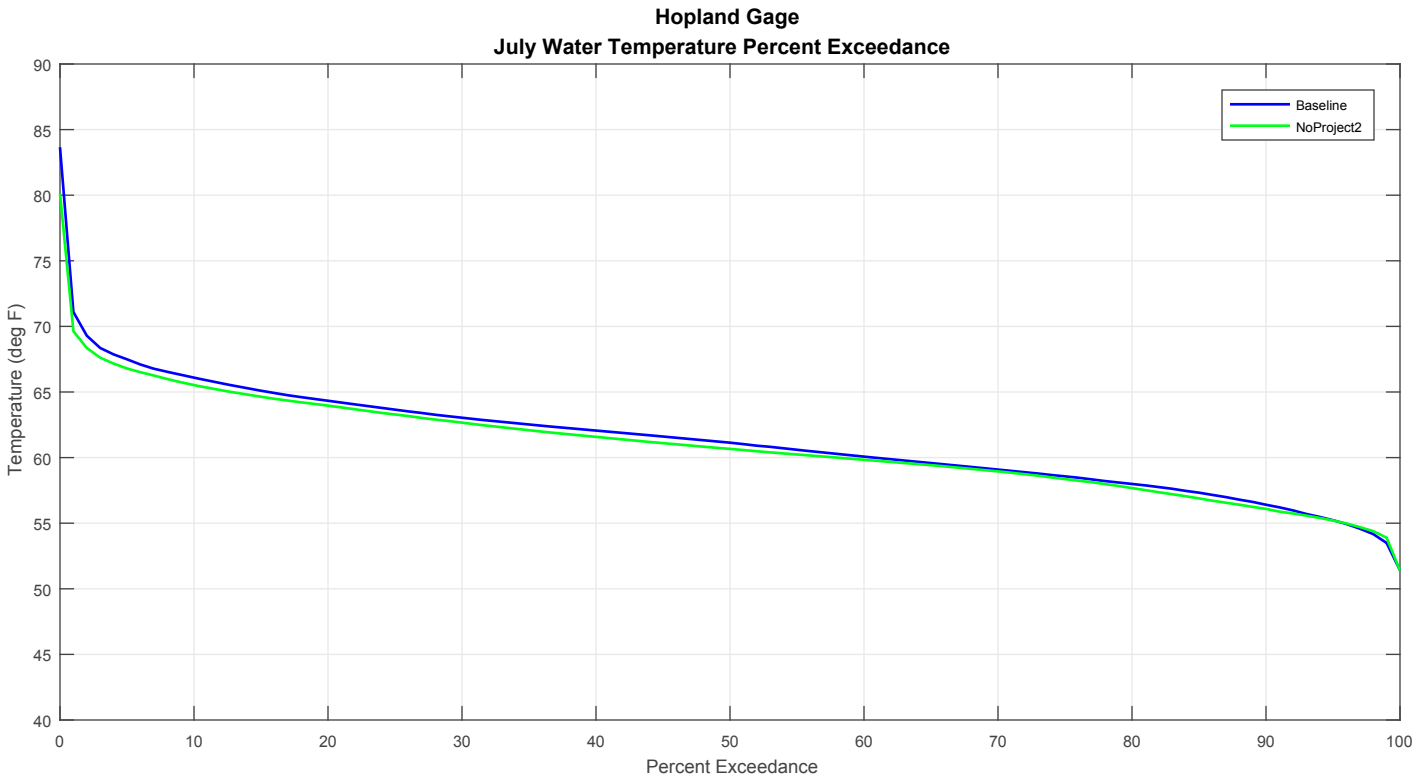
60
70
80
90
100


Hopland Gage
June Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
90
85
80
75
70
65
60
55
50
45
40
0
10
20
30
40
50
60
70
80
90
100


Hopland Gage
July Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
90
85
80
75
70
65
60
55
50
45
40
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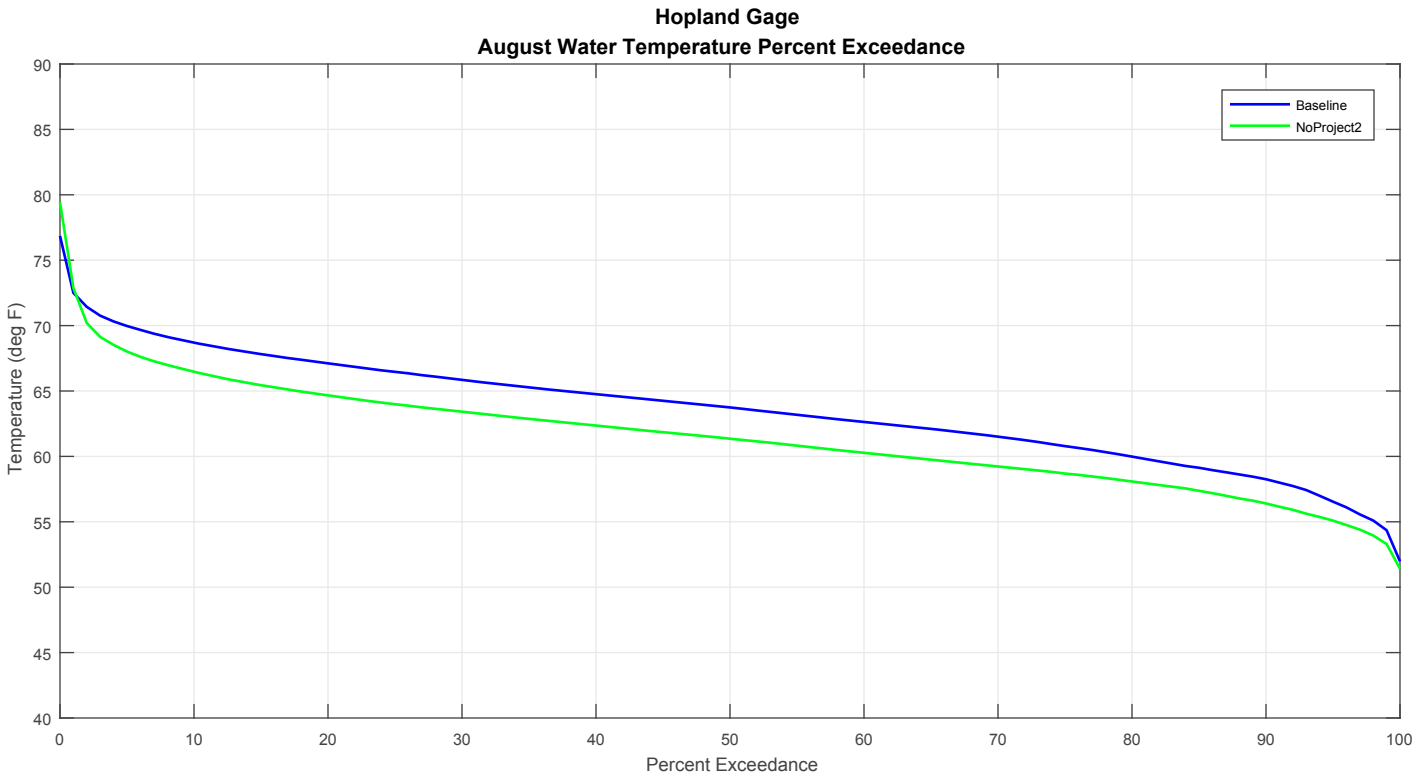
10
20
30
40
50
60
70
80
90
100


Hopland Gage
August Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
90
85
80
75
70
65
60
55
50
45
40
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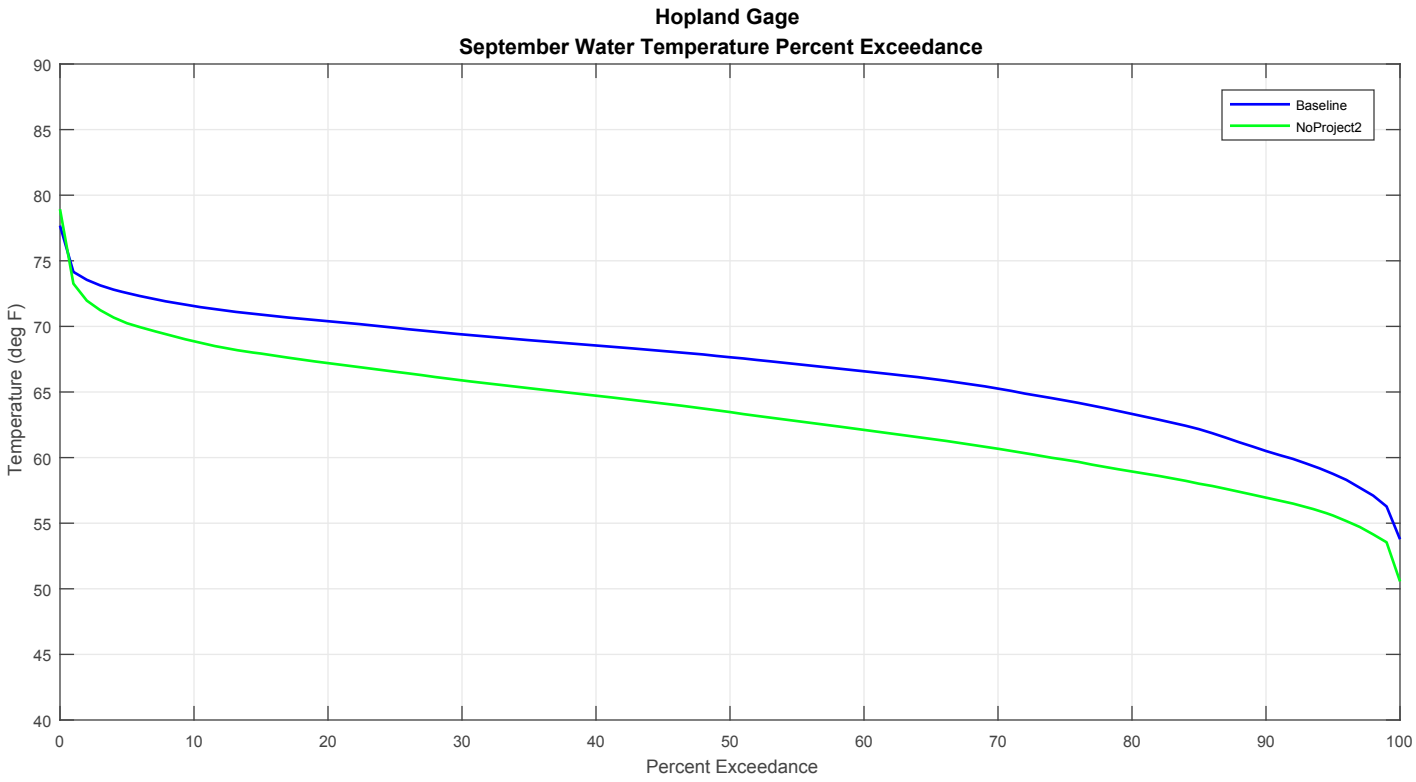
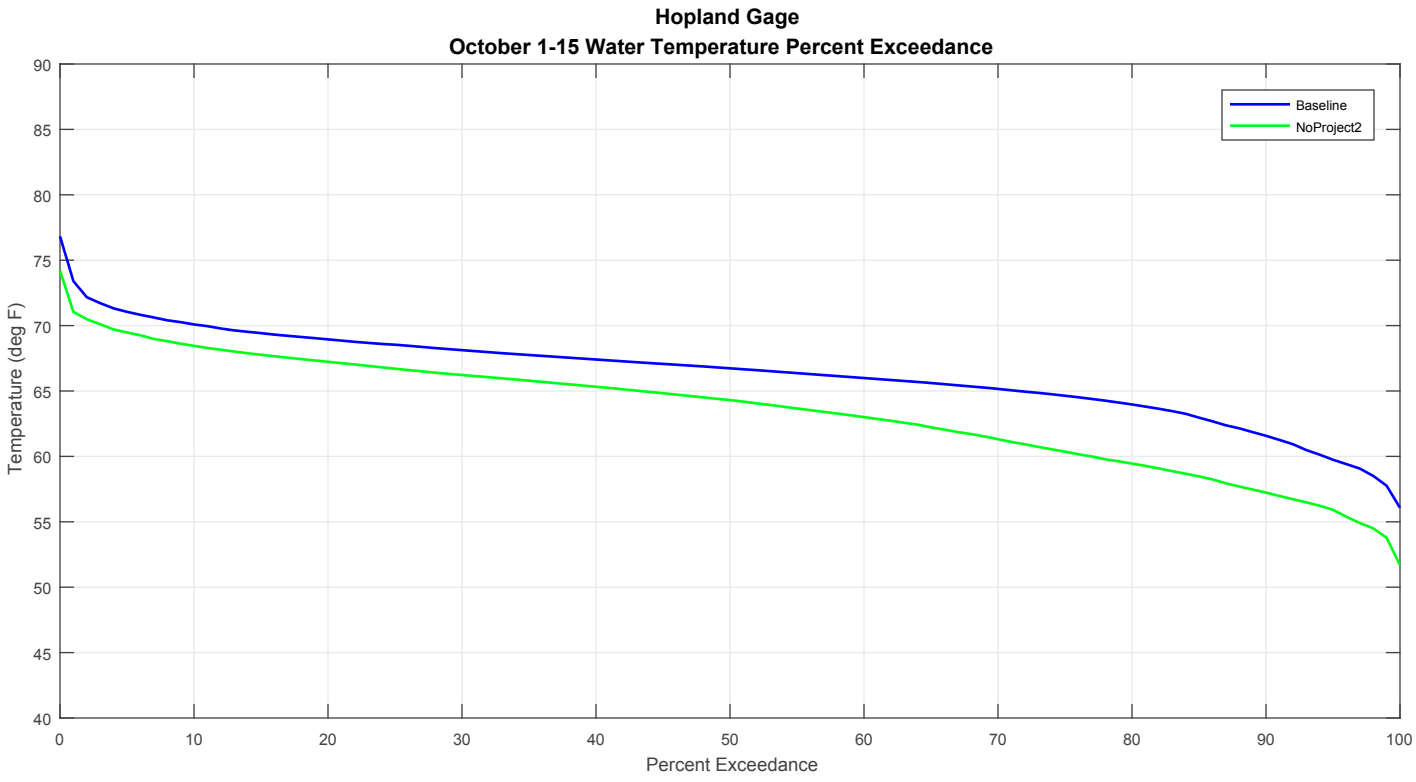
10
20
30
40
50
60
70
80
90
100


Hopland Gage
September Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
90
85
80
75
70
65
60
55
50
45
40
0
10
20
30
40
50
60
70
80
90
100


Hopland Gage
October 1-15 Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
90
85
80
75
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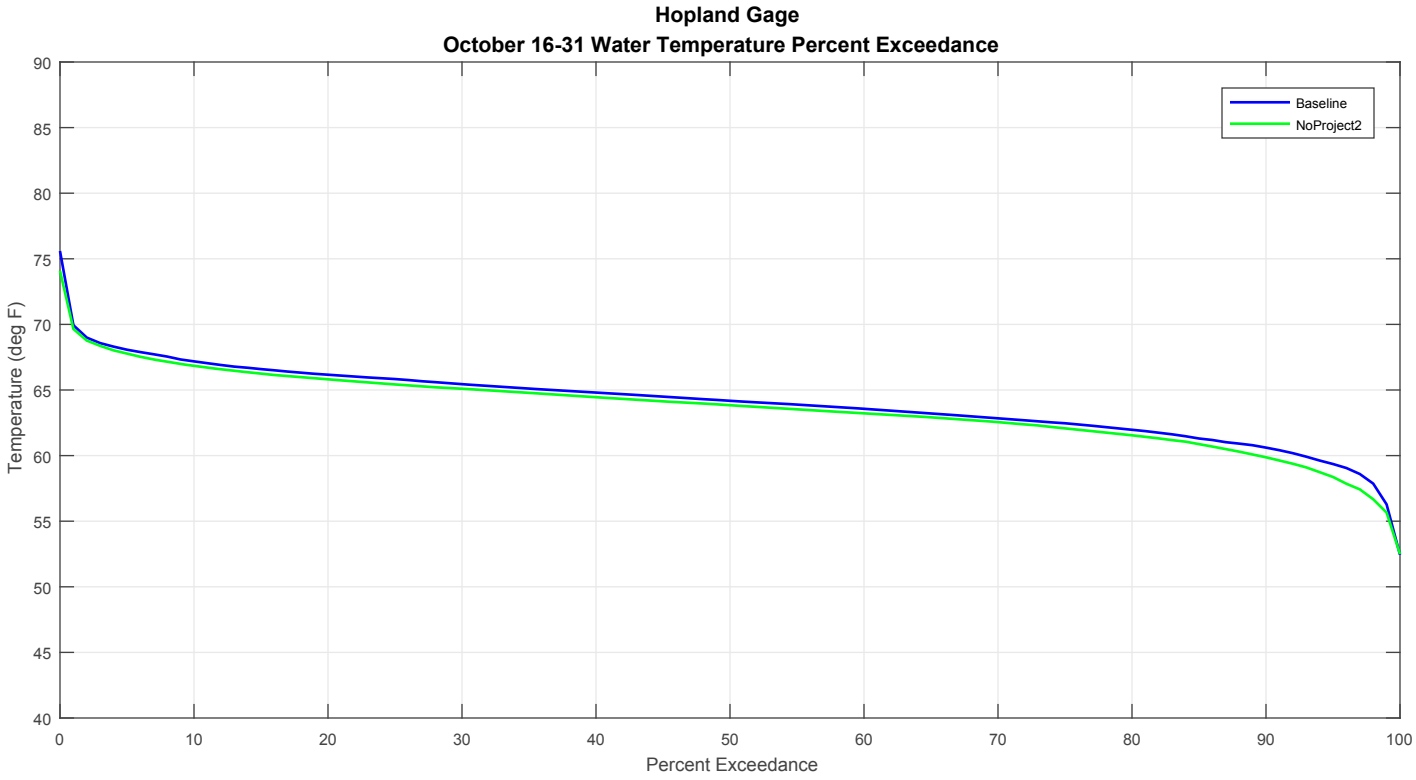
Hopland Gage
October 16-31 Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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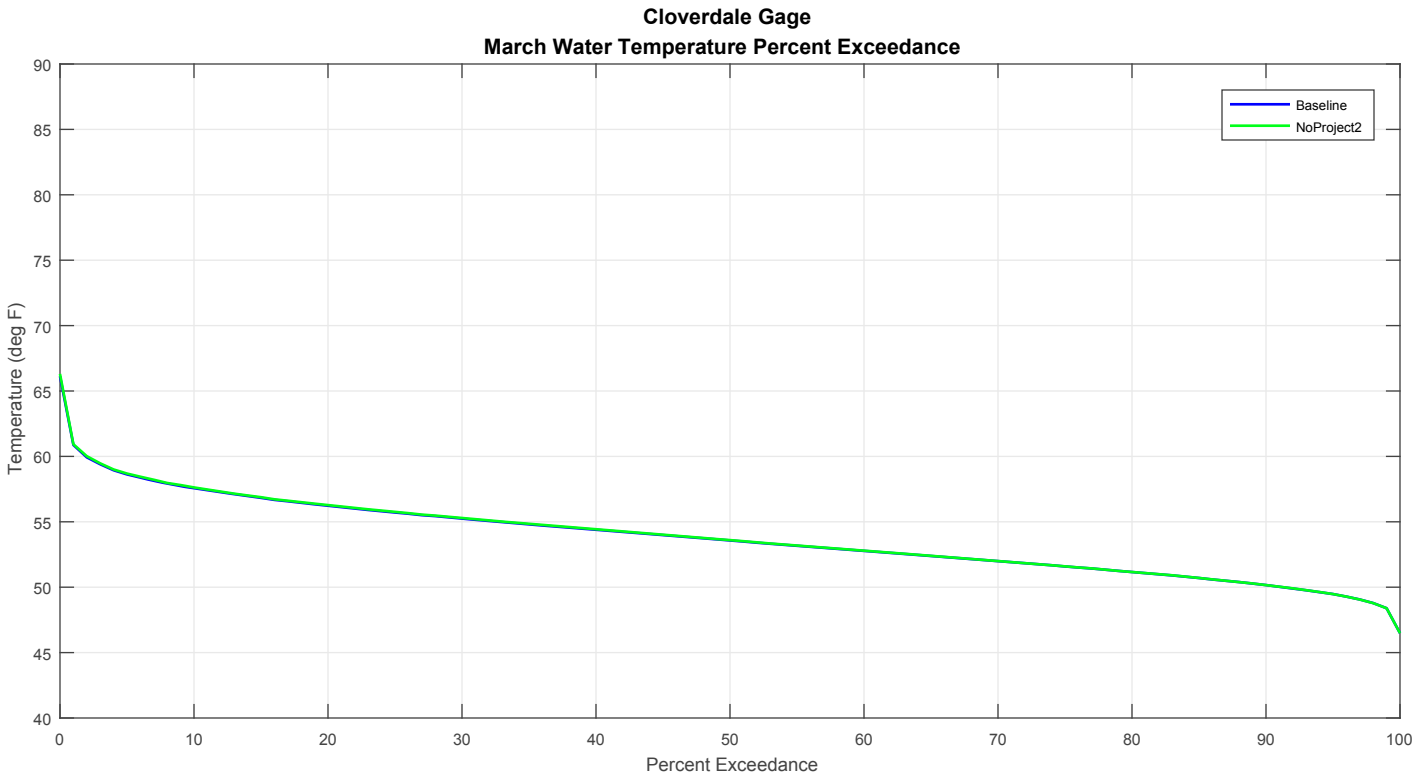
Cloverdale Gage
March Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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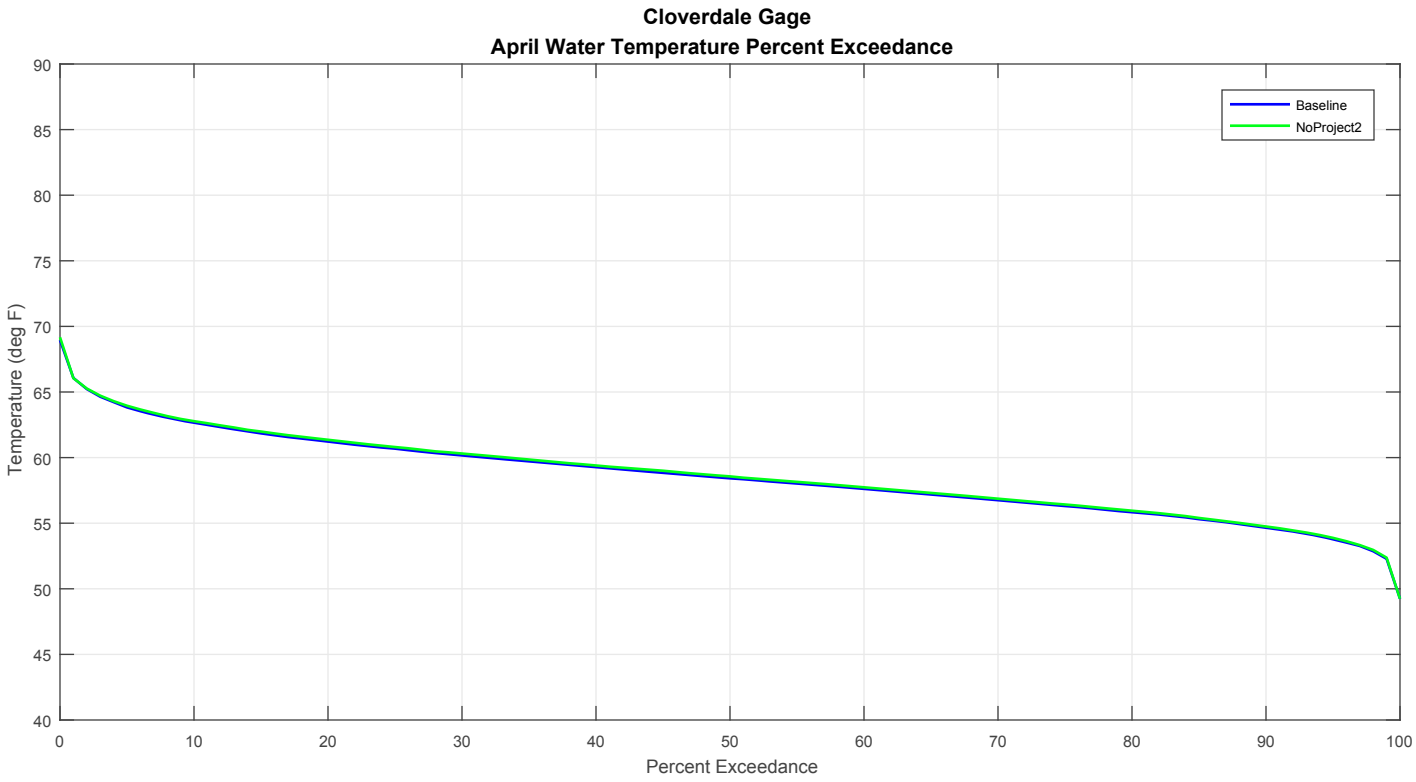
Cloverdale Gage
April Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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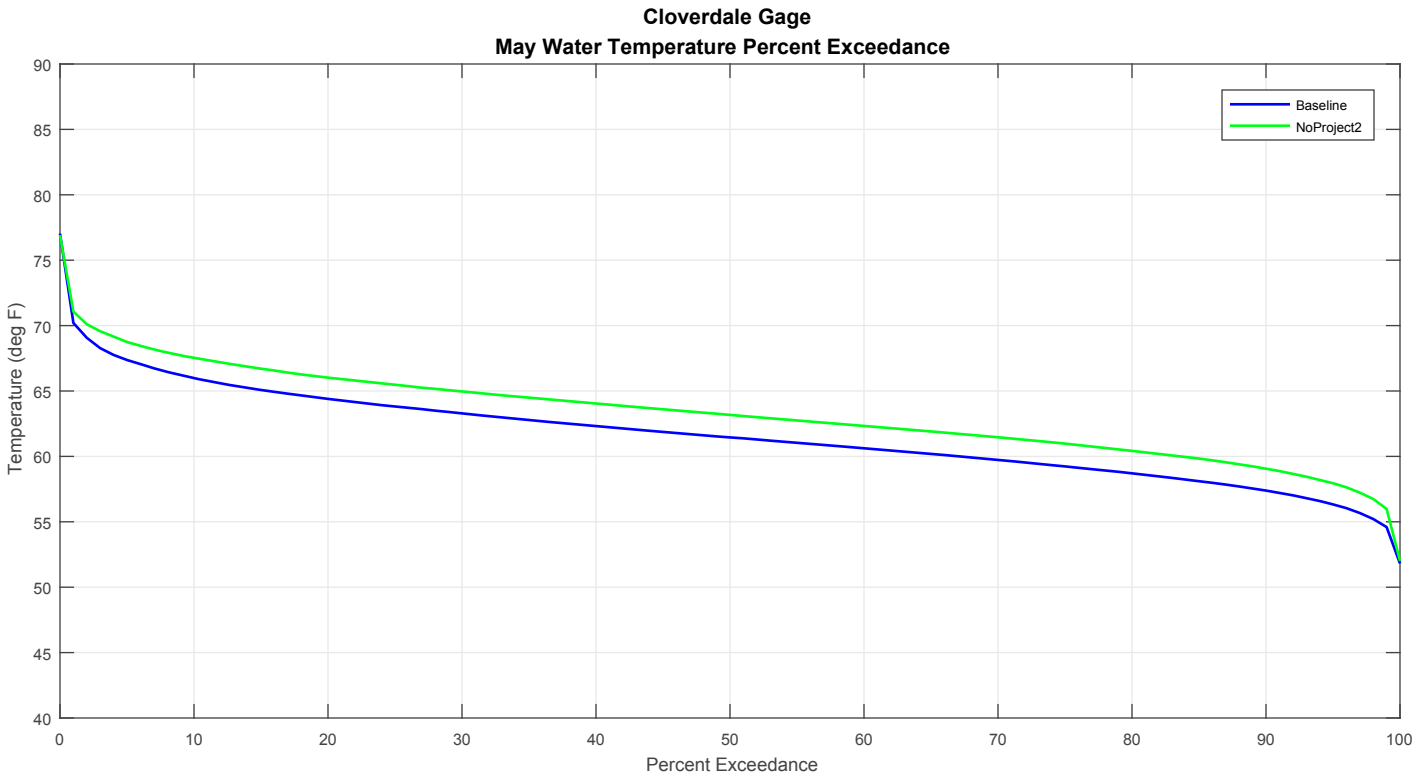
Cloverdale Gage
May Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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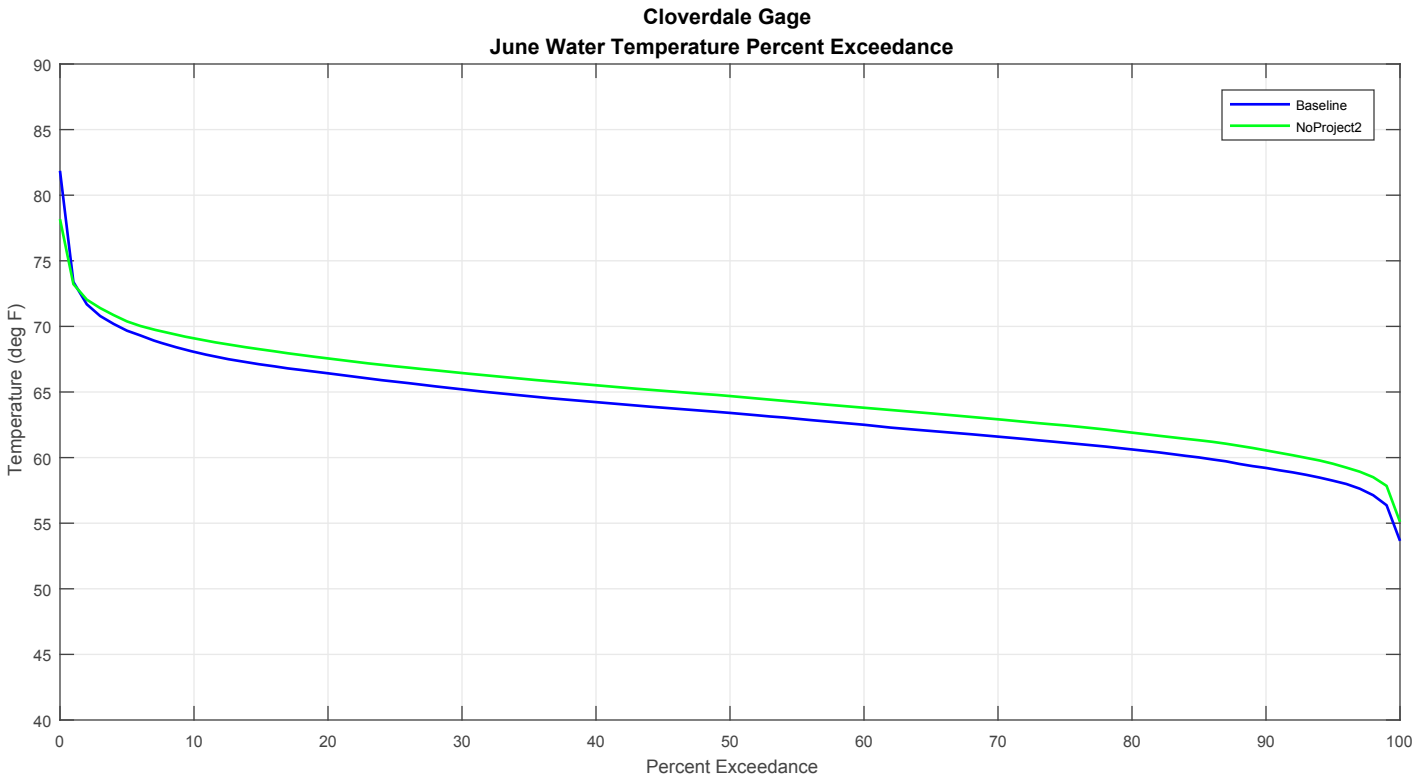
Cloverdale Gage
June Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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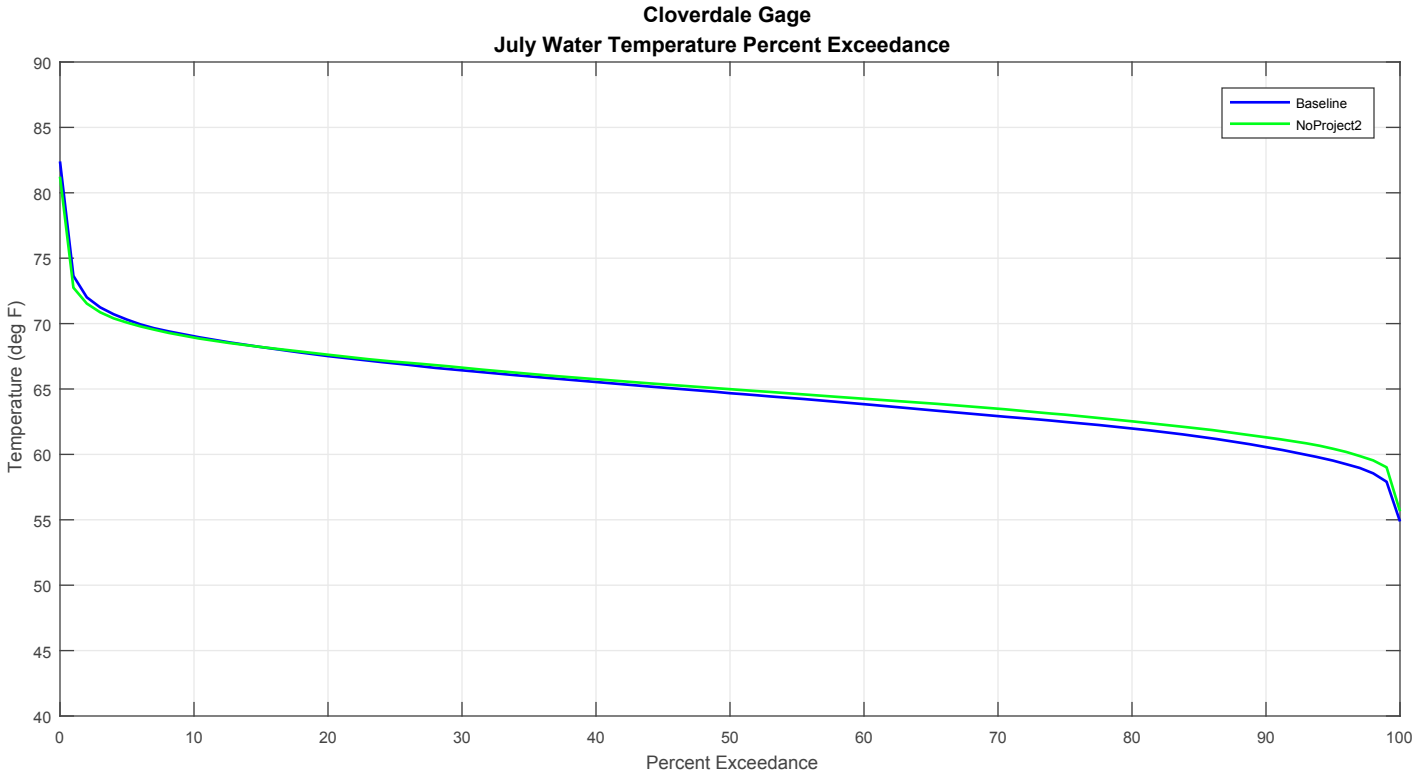
Cloverdale Gage
July Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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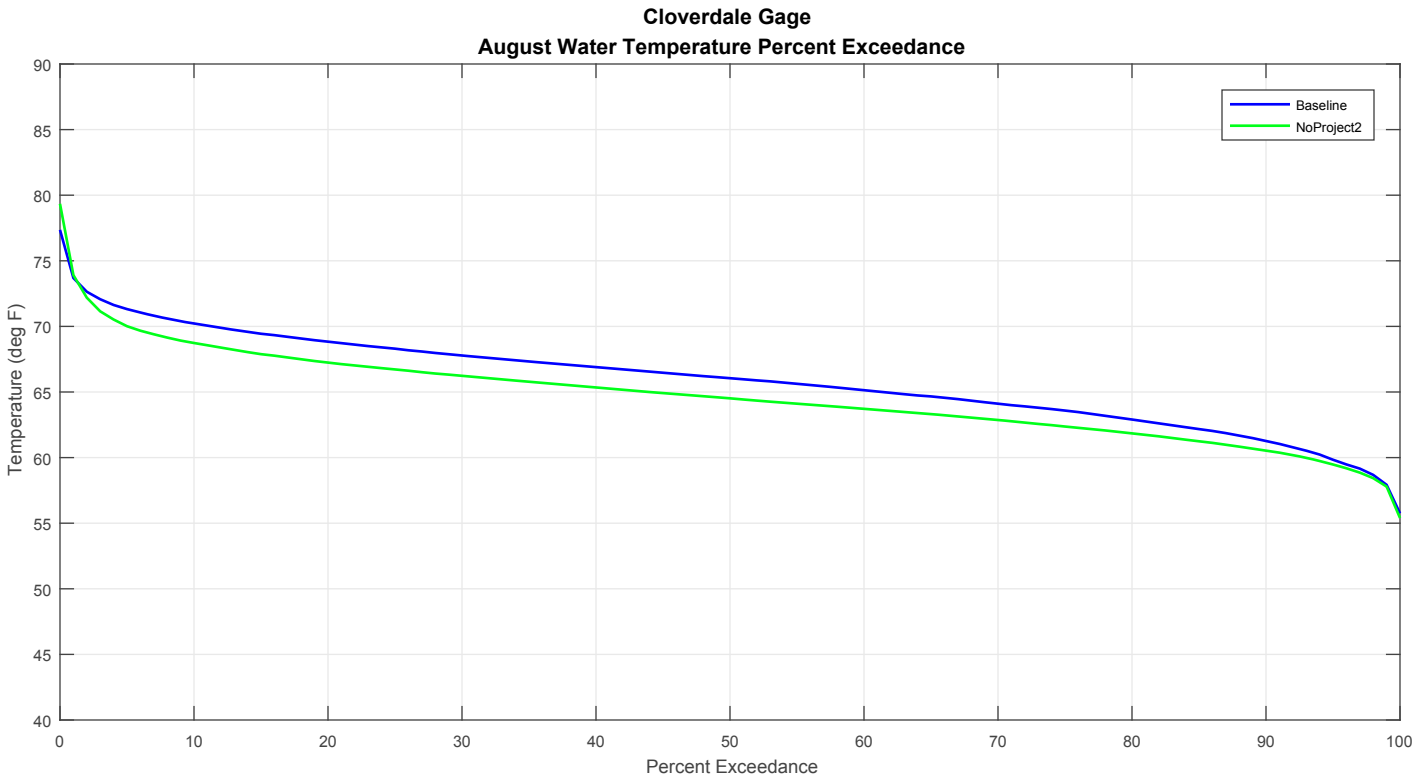
Cloverdale Gage
August Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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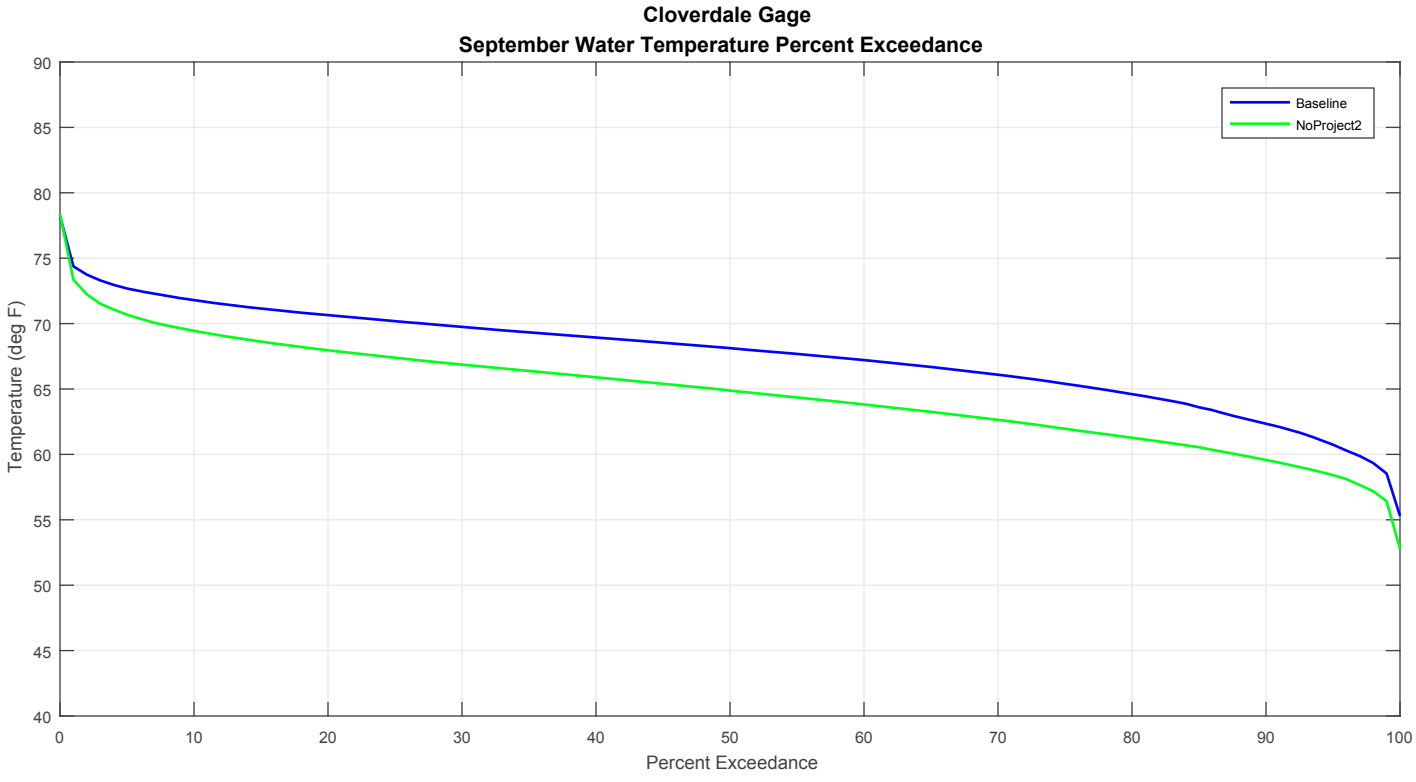
Cloverdale Gage
September Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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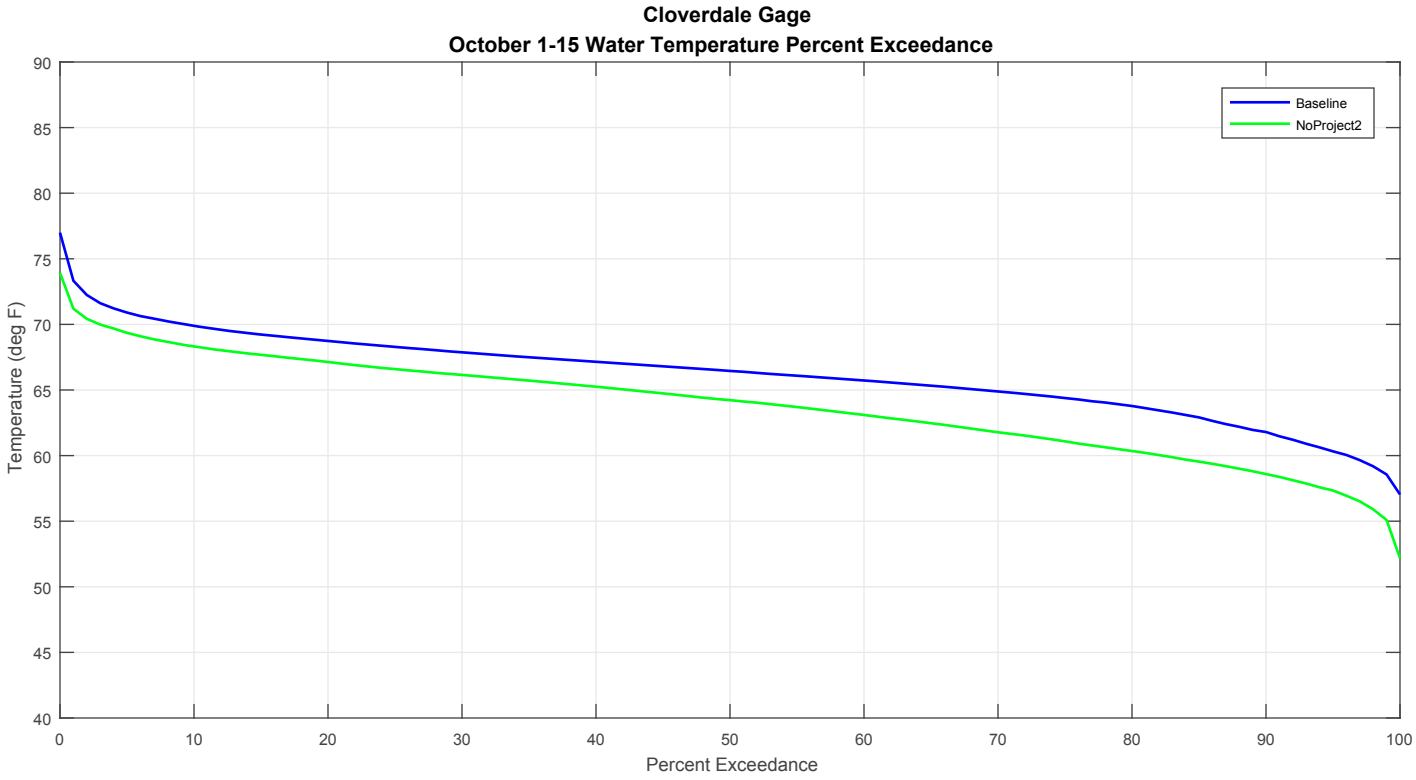
Cloverdale Gage
October 1-15 Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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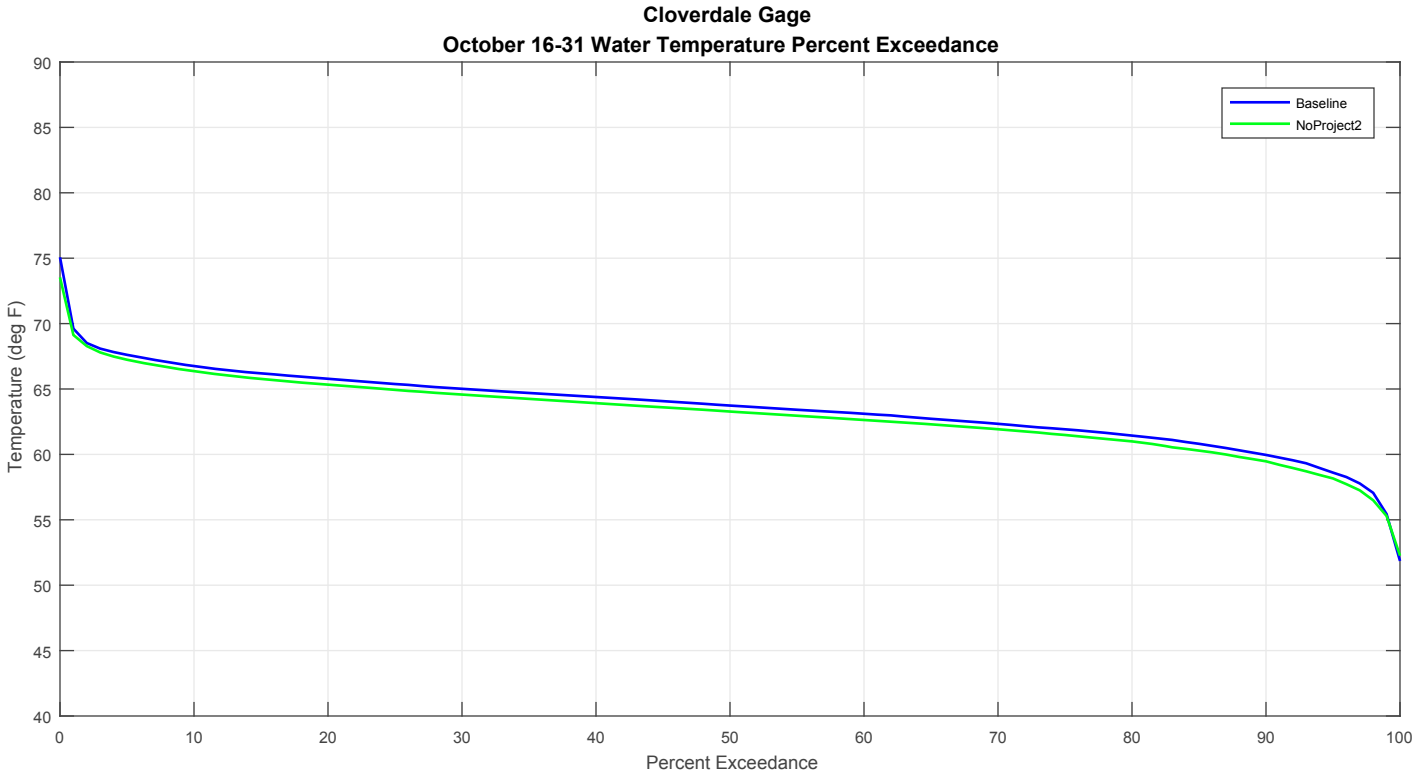
Cloverdale Gage
October 16-31 Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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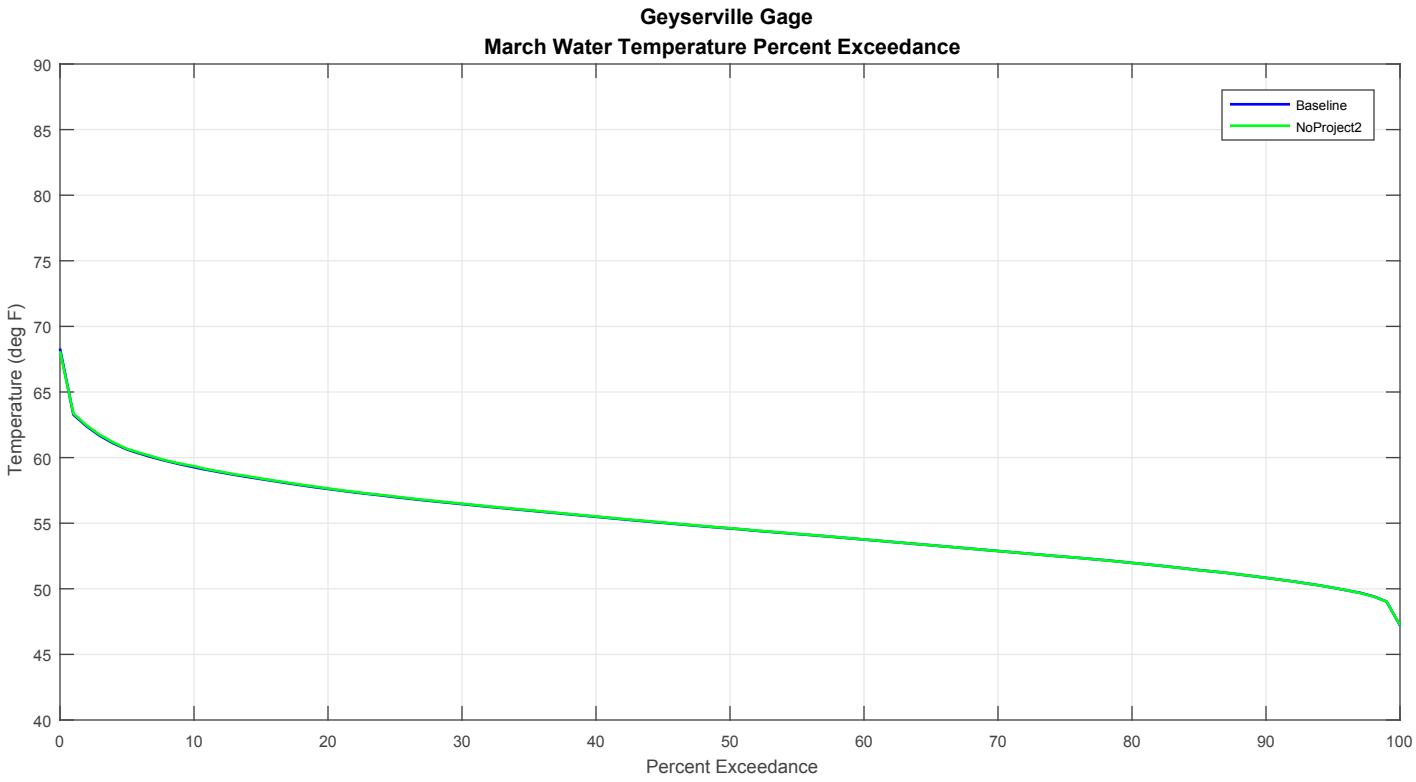
Geyserville Gage
March Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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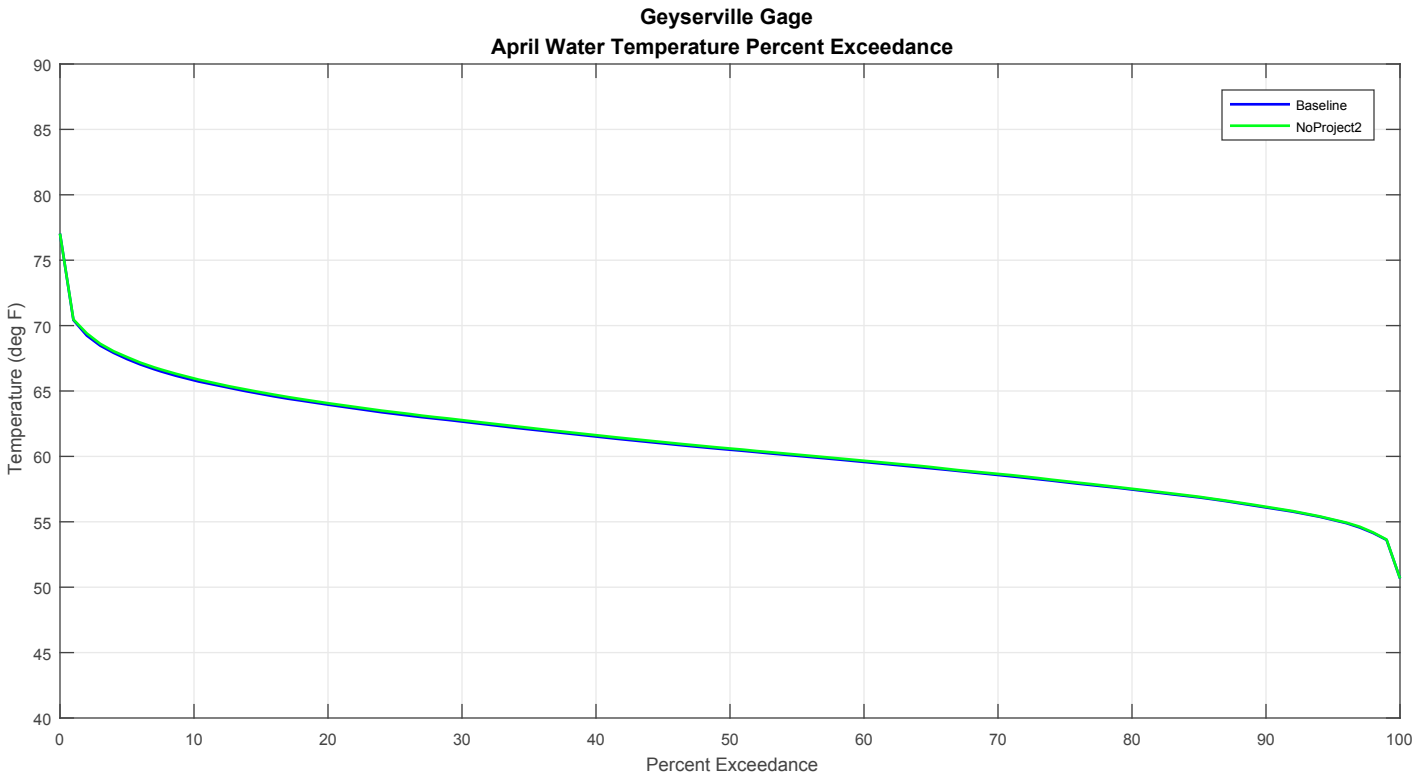
Geyserville Gage
April Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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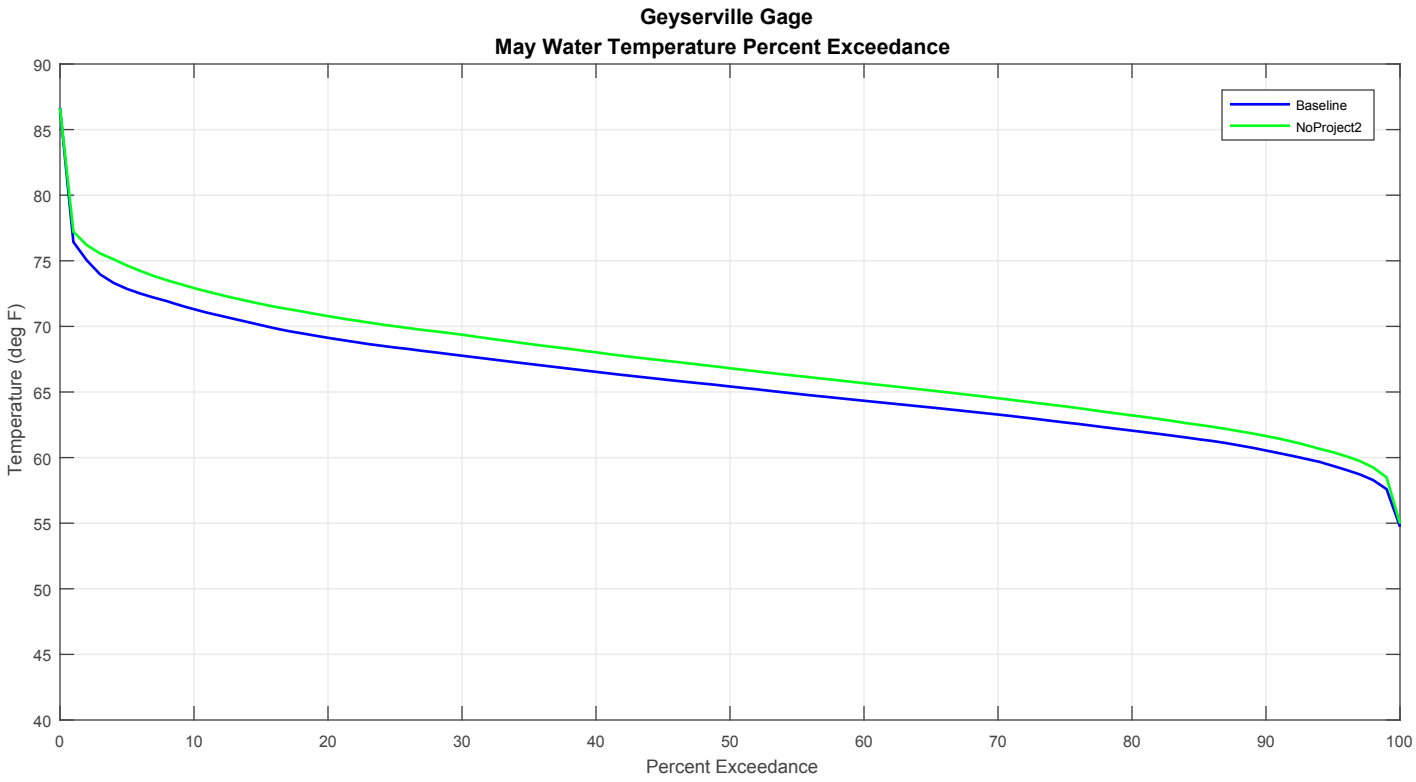
Geyserville Gage
May Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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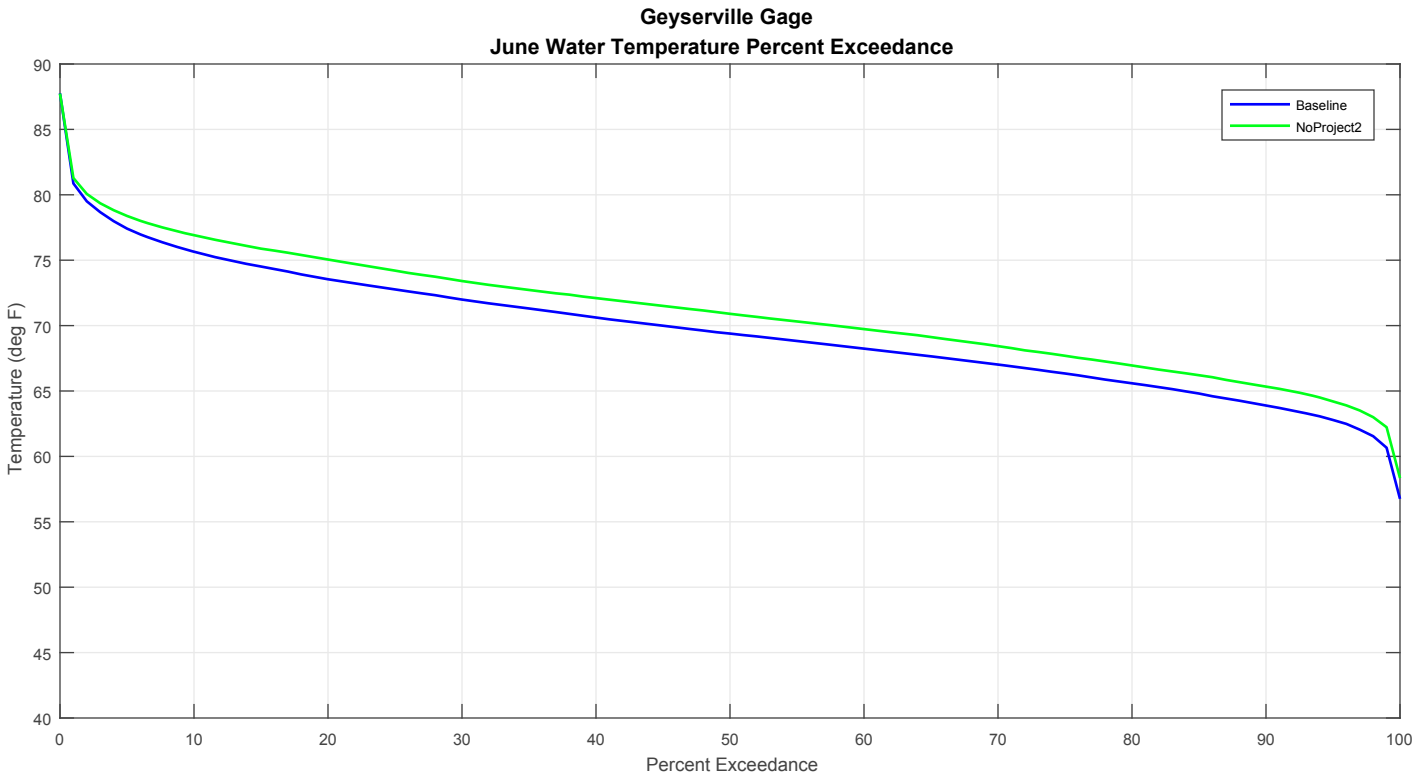
Geyserville Gage
June Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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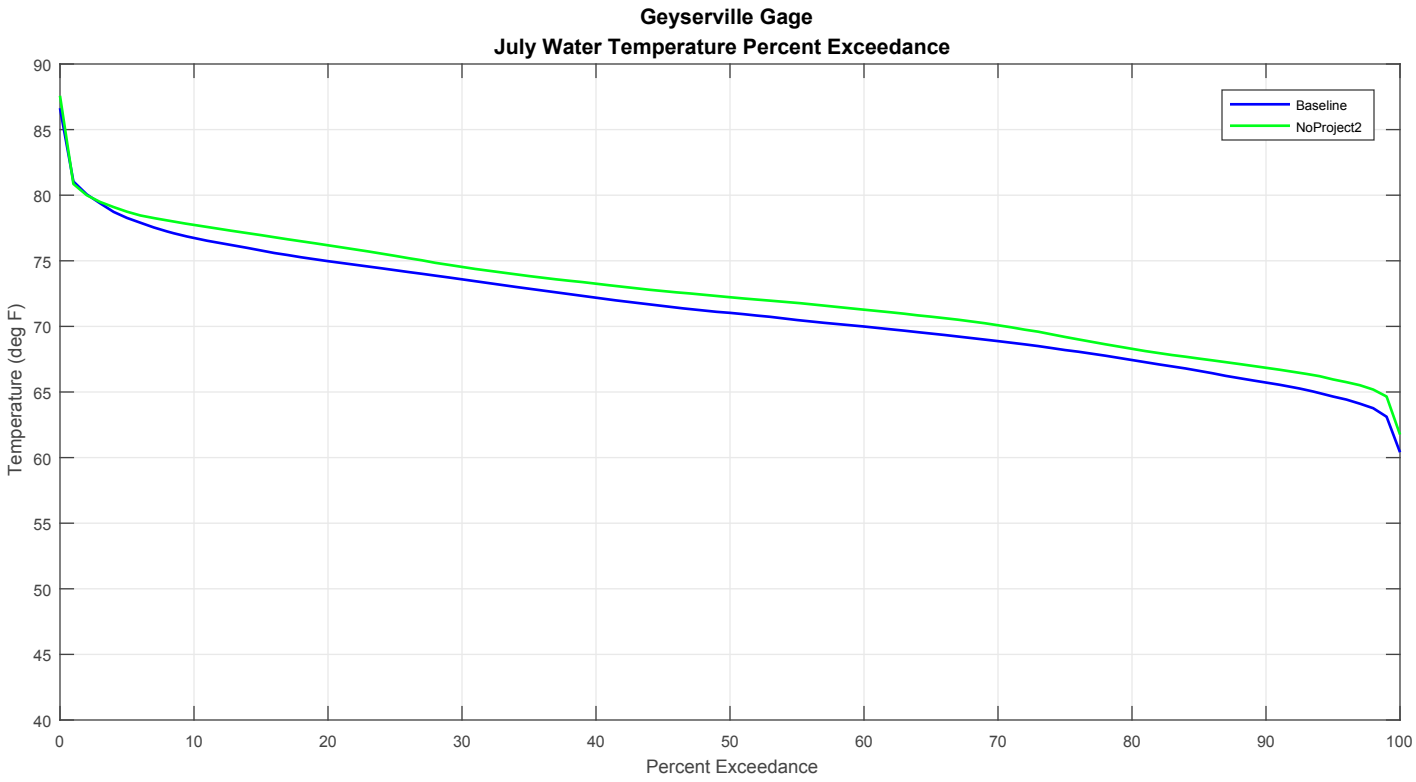
Geyserville Gage
July Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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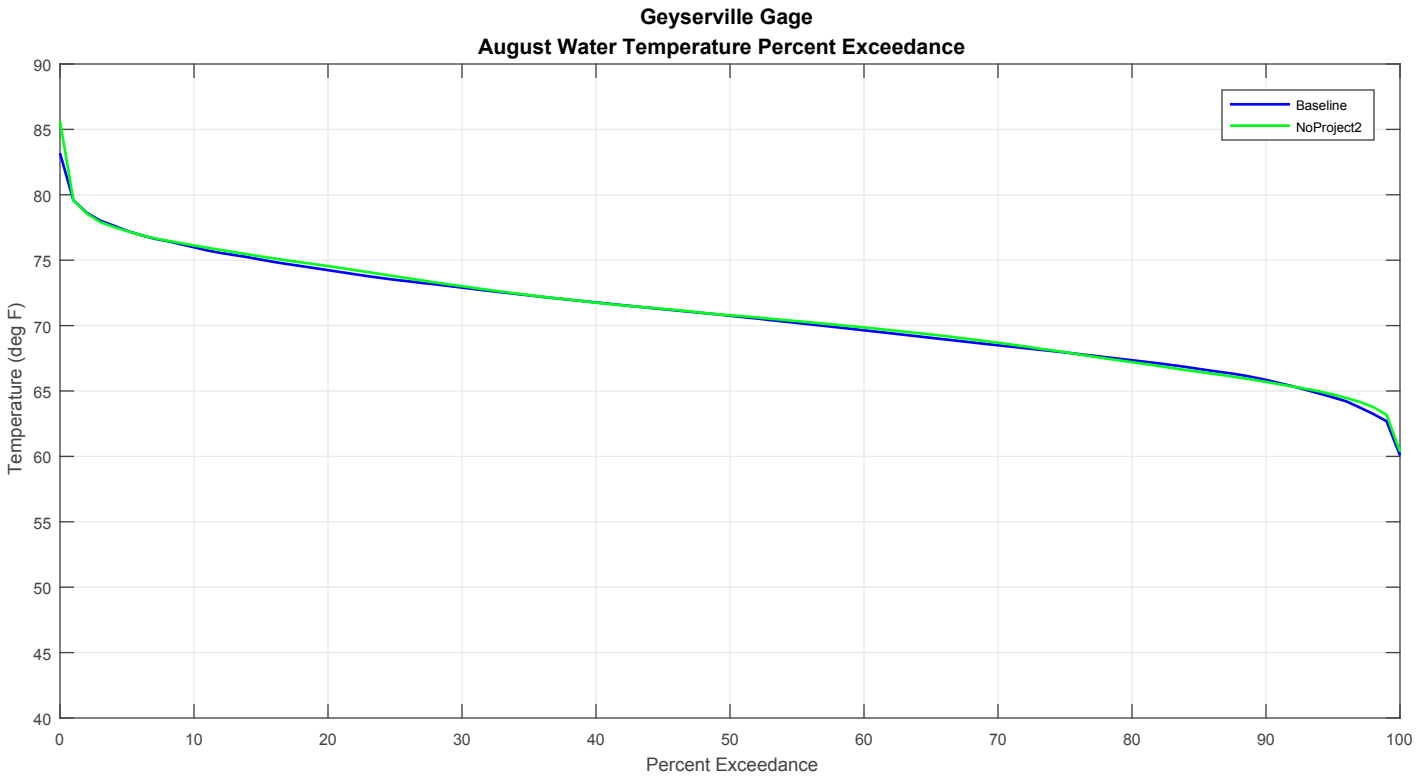
Geyserville Gage
August Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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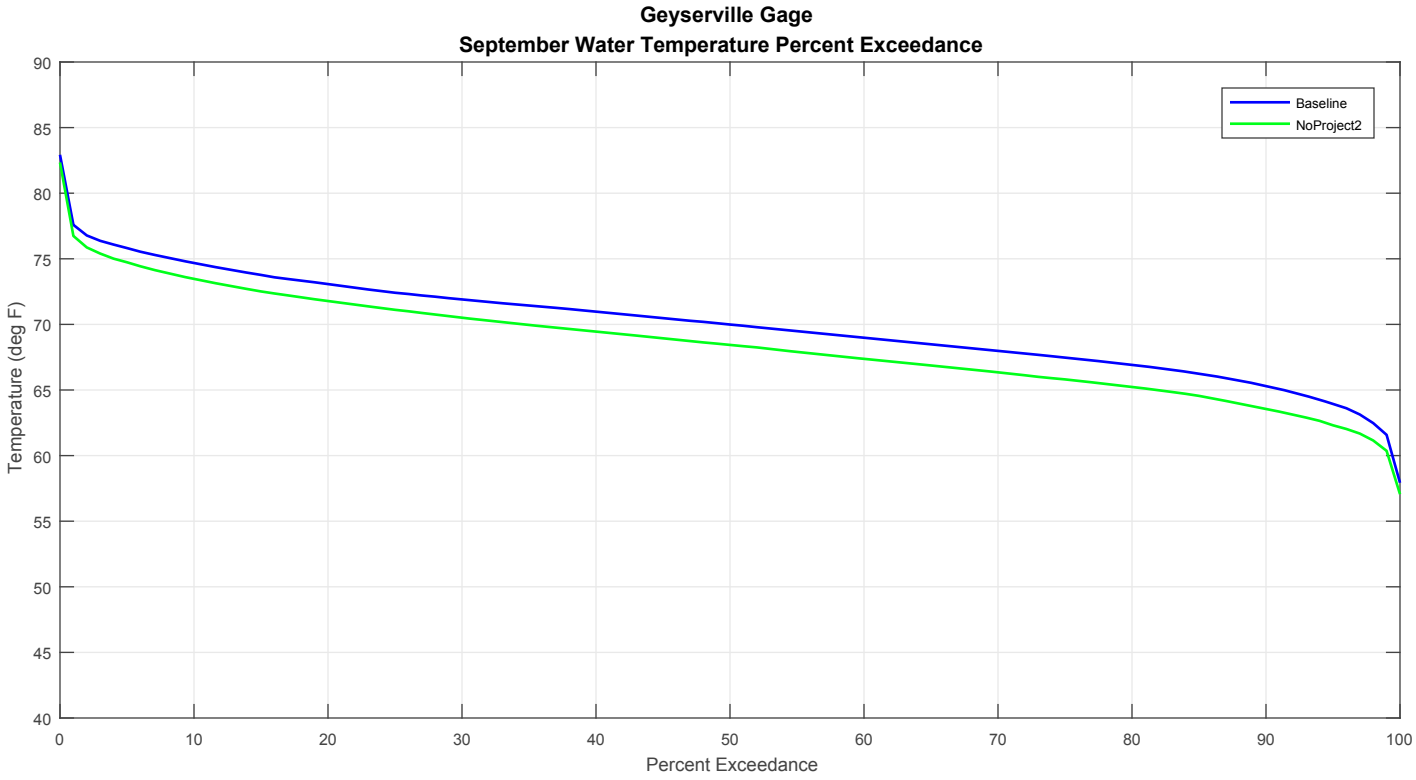
Geyserville Gage
September Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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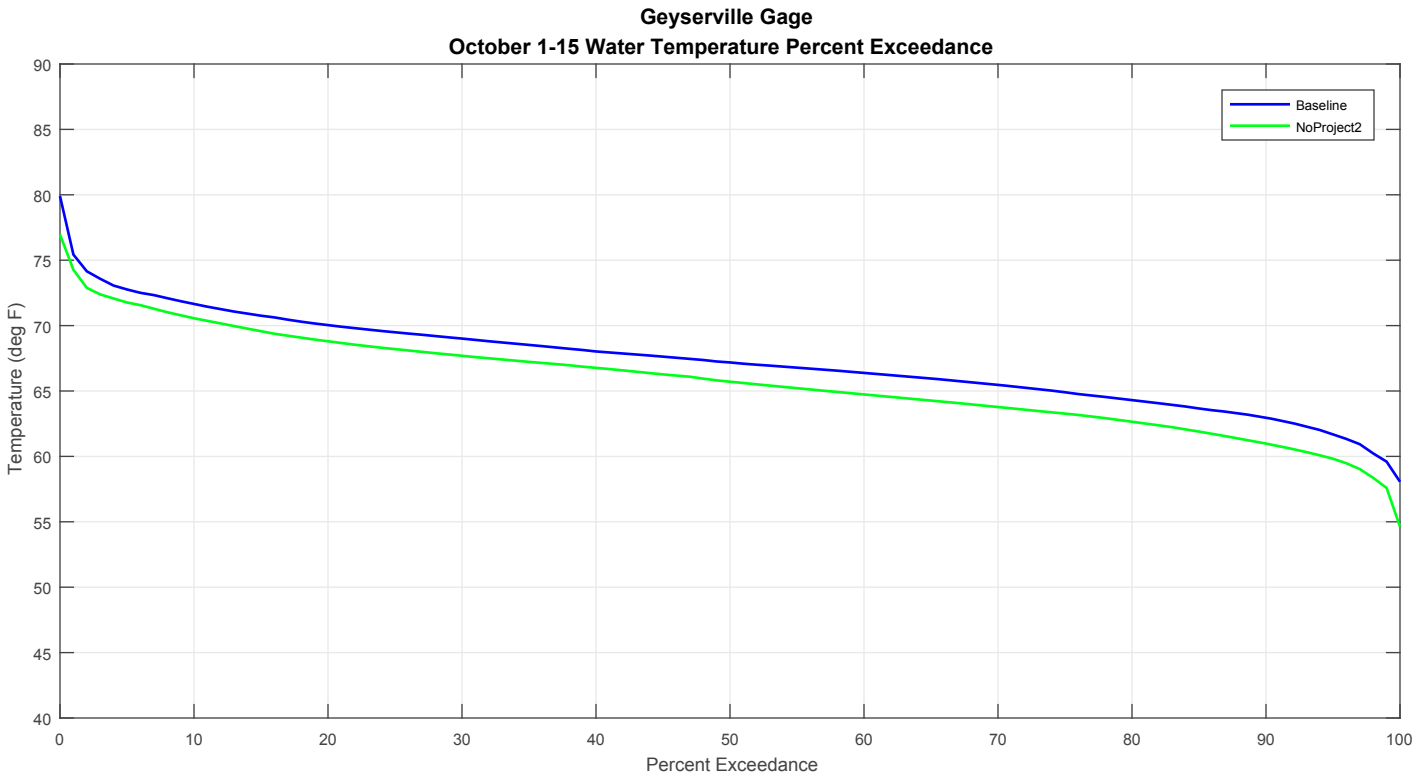
Geyserville Gage
October 1-15 Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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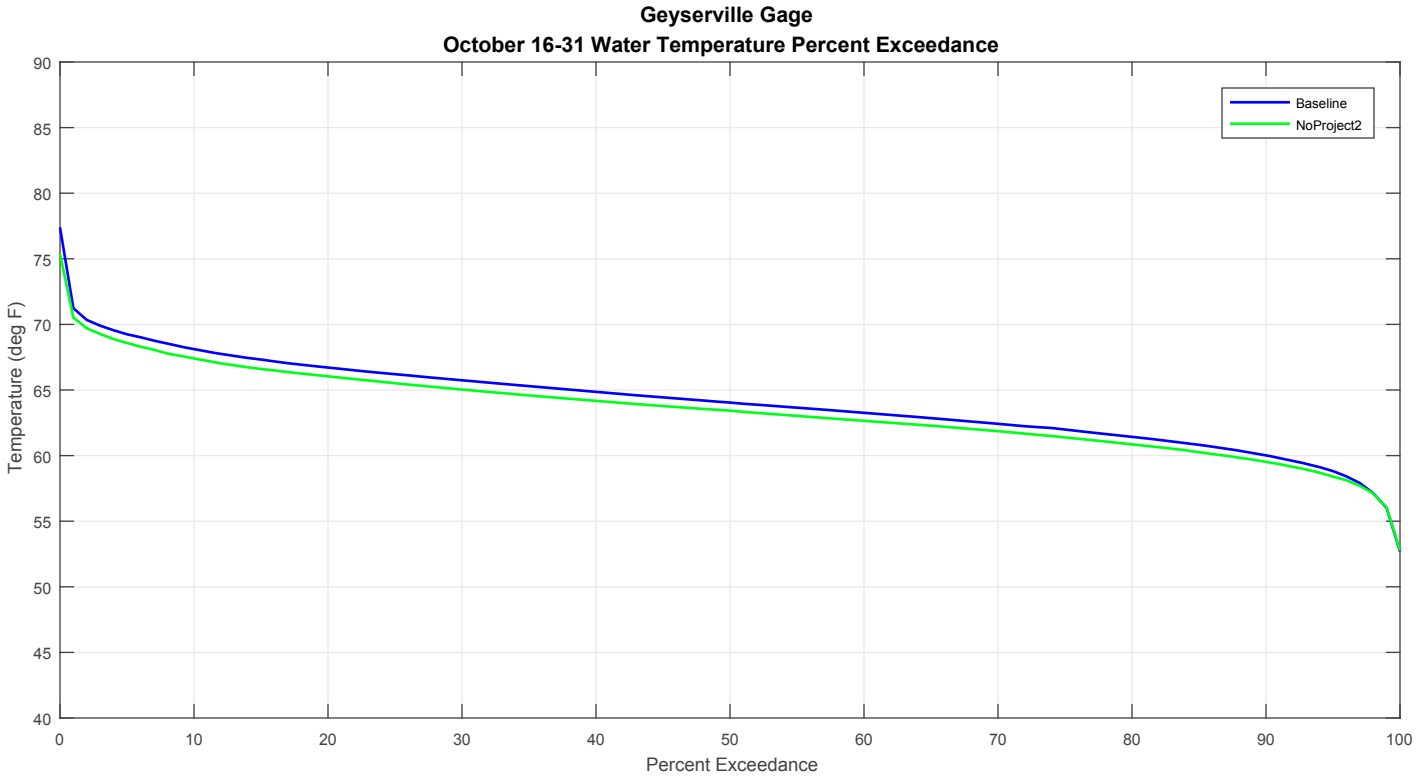
Geyserville Gage
October 16-31 Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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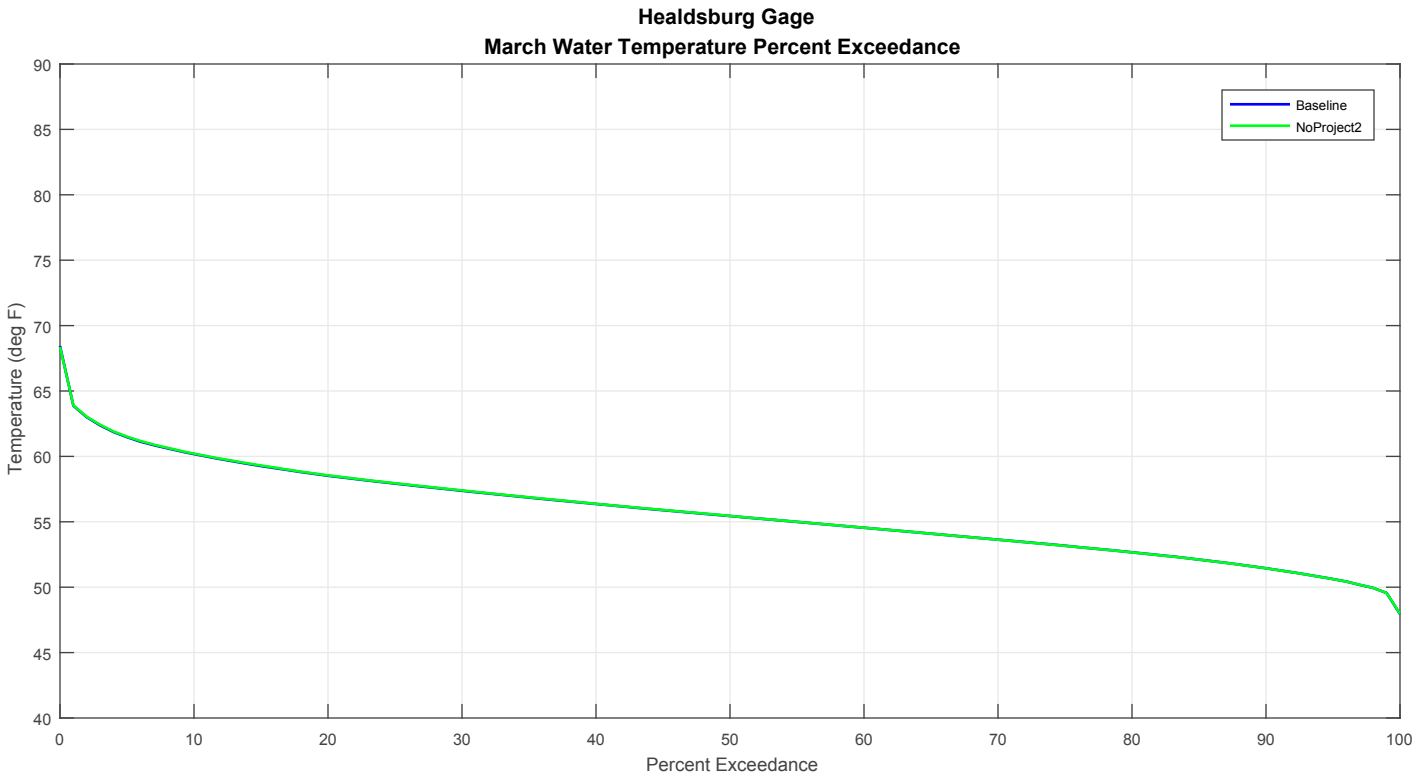
Healdsburg Gage
March Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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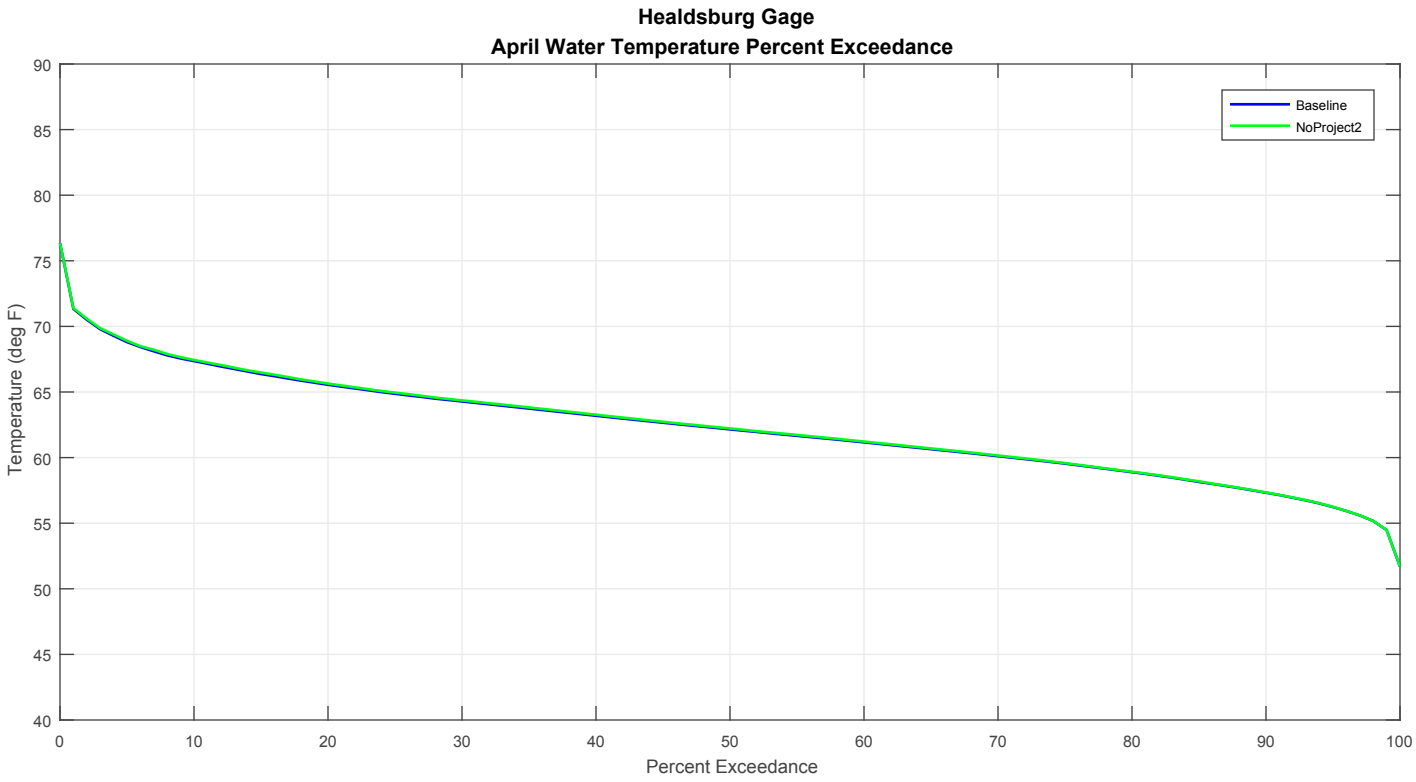
Healdsburg Gage
April Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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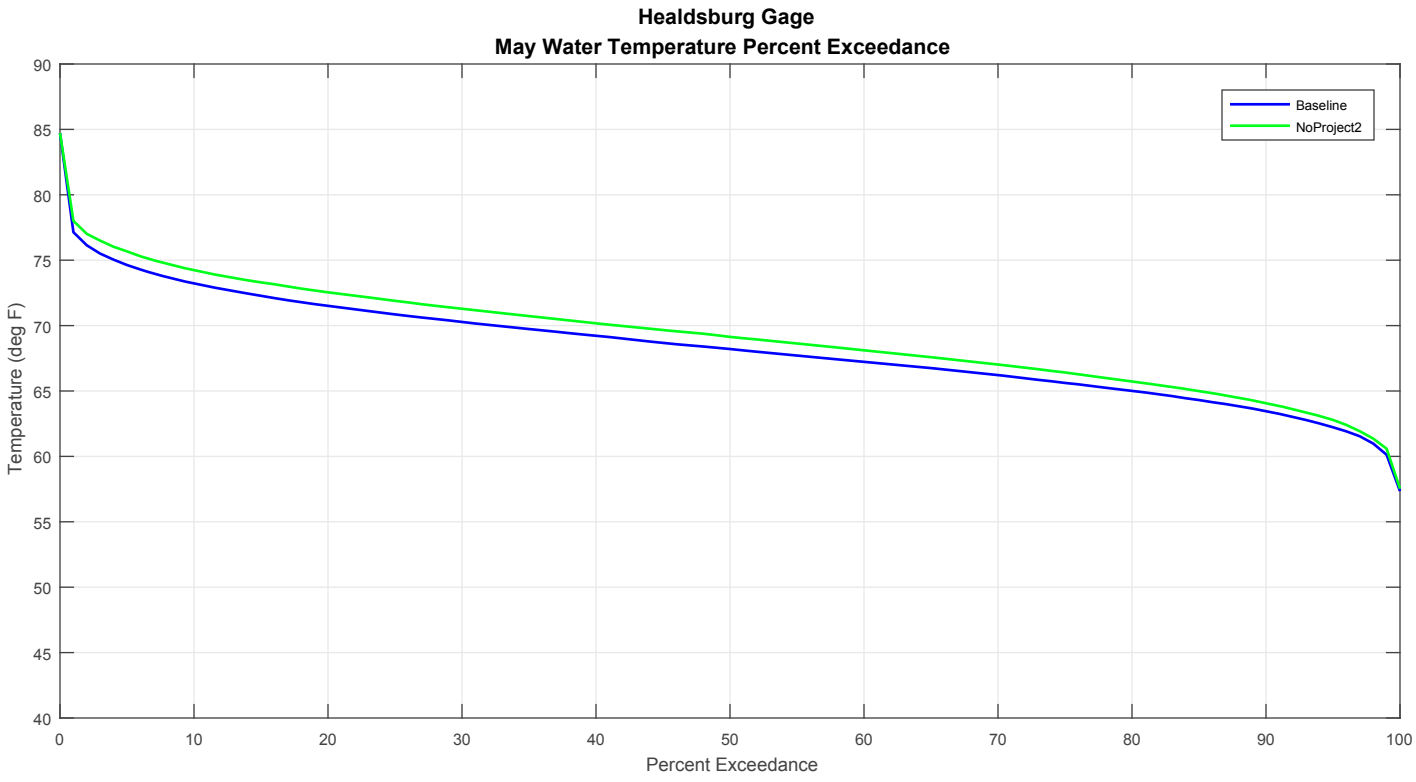
Healdsburg Gage
May Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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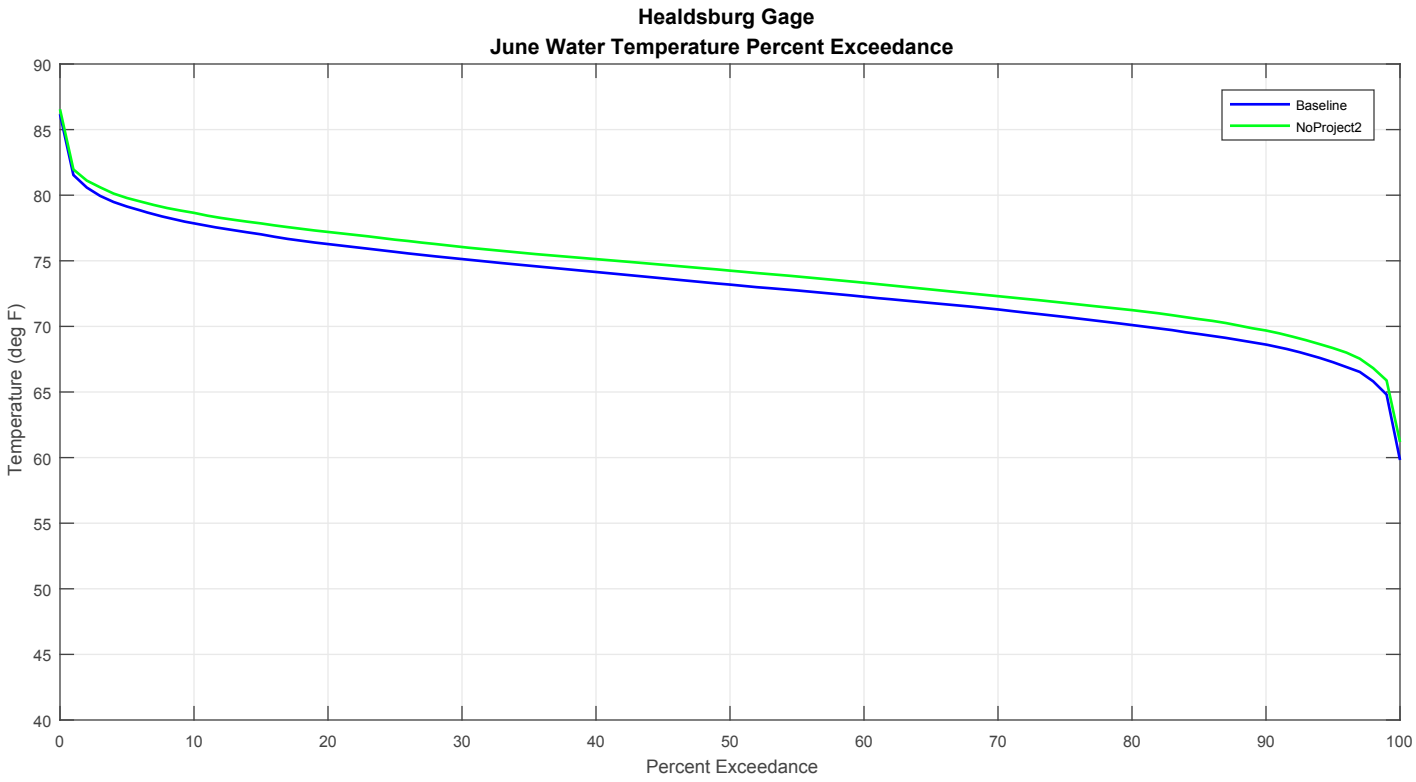
Healdsburg Gage
June Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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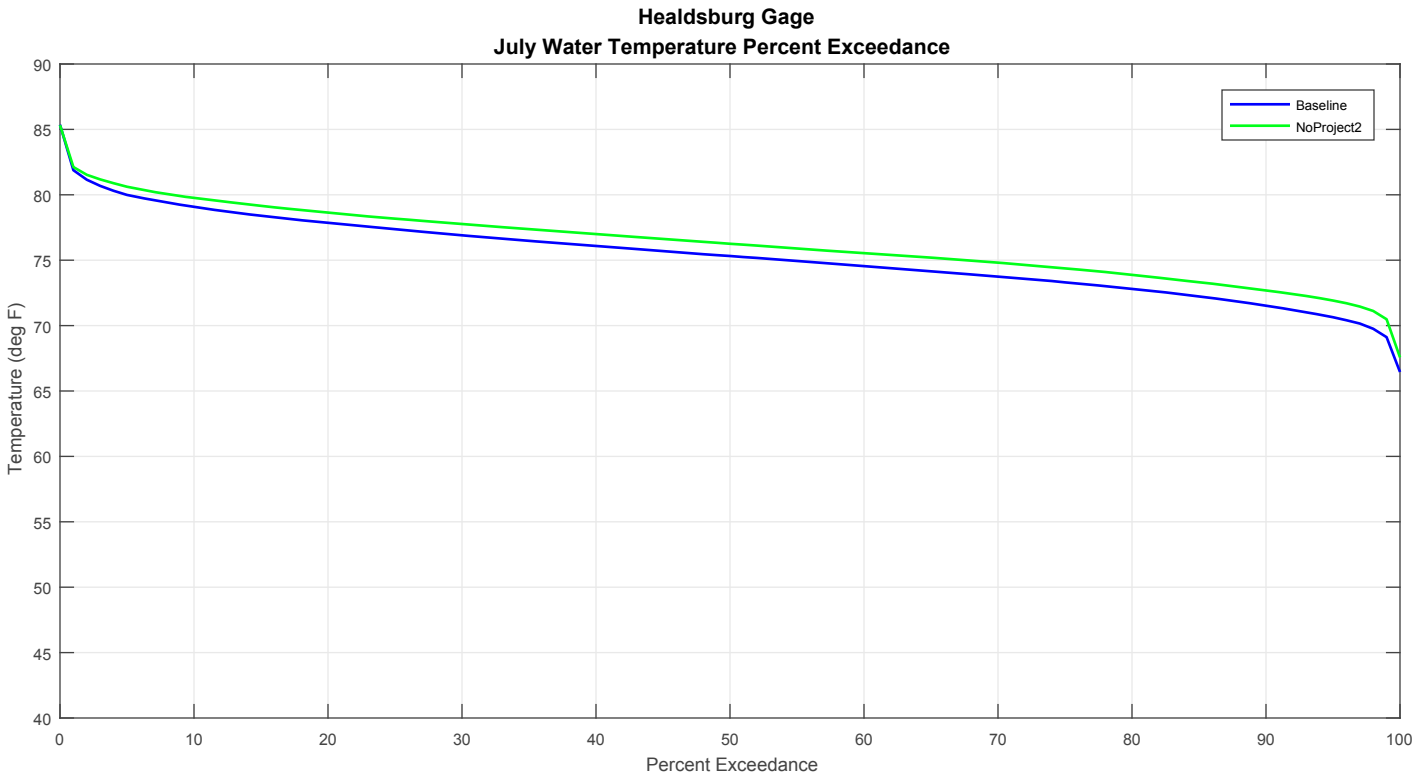
Healdsburg Gage
July Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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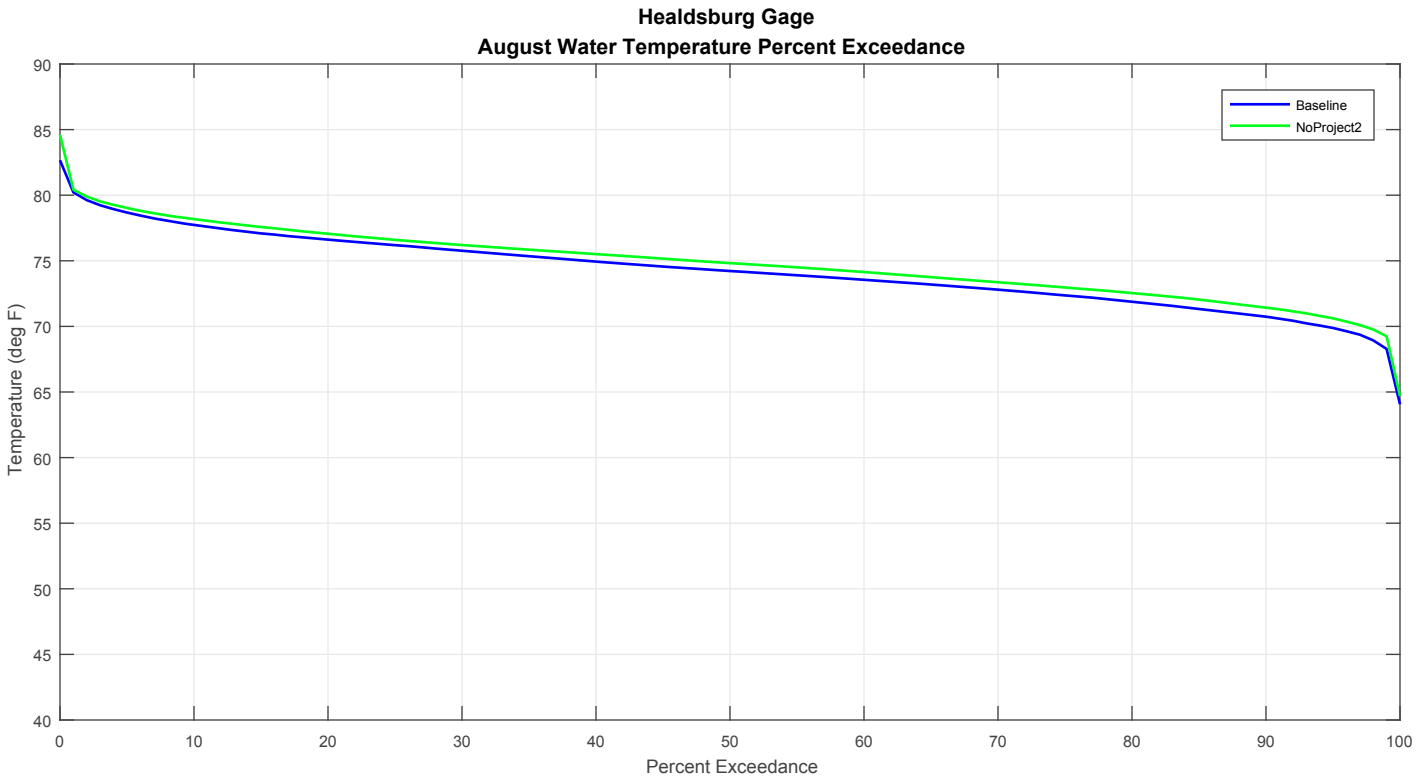
Healdsburg Gage
August Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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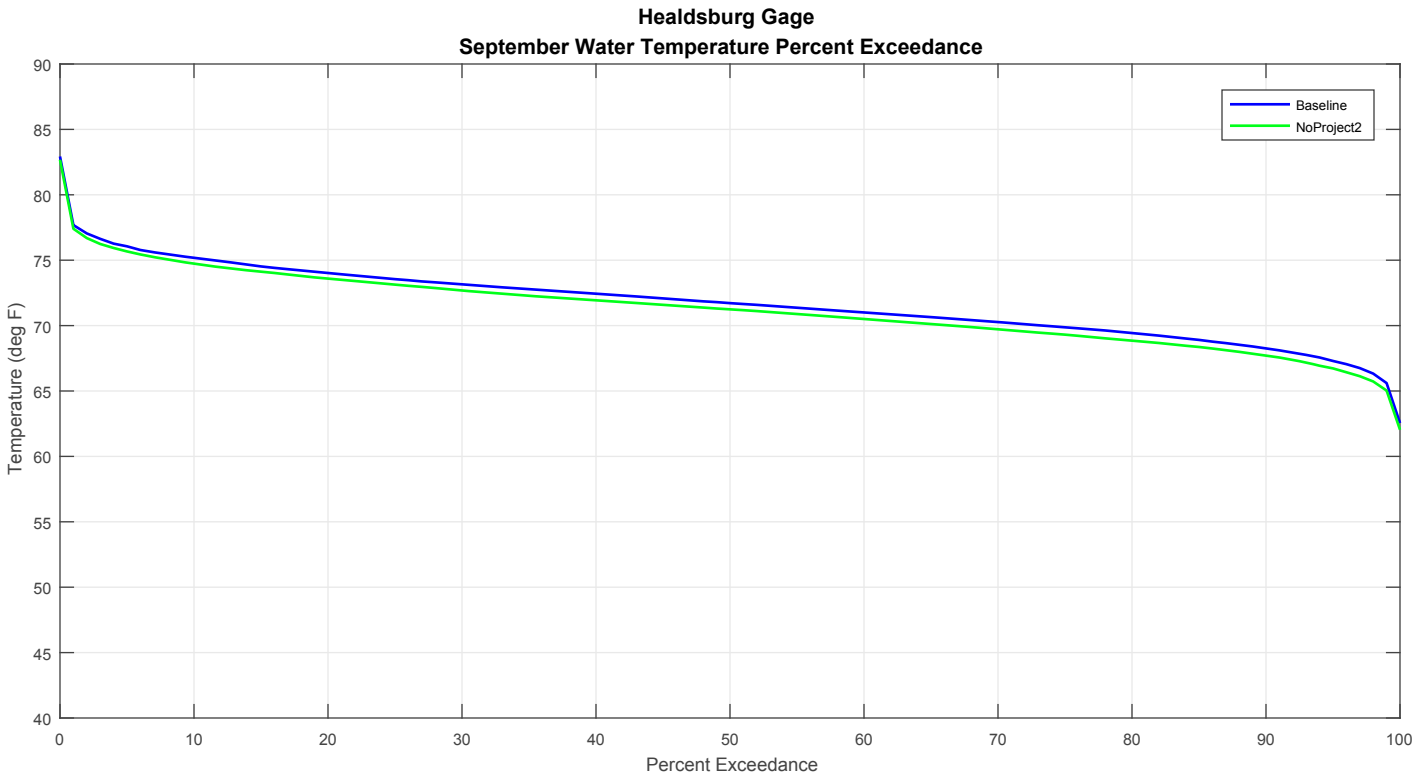
Healdsburg Gage
September Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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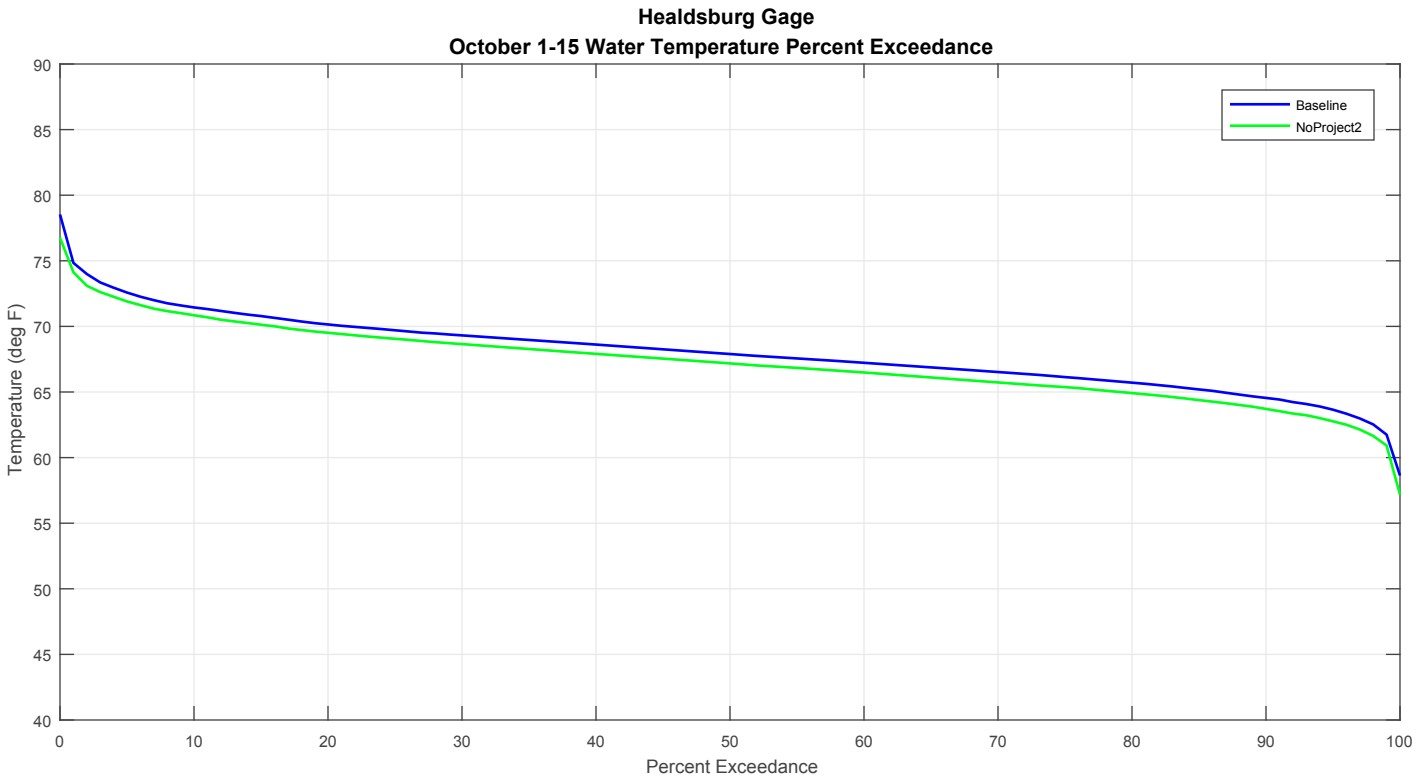
Healdsburg Gage
October 1-15 Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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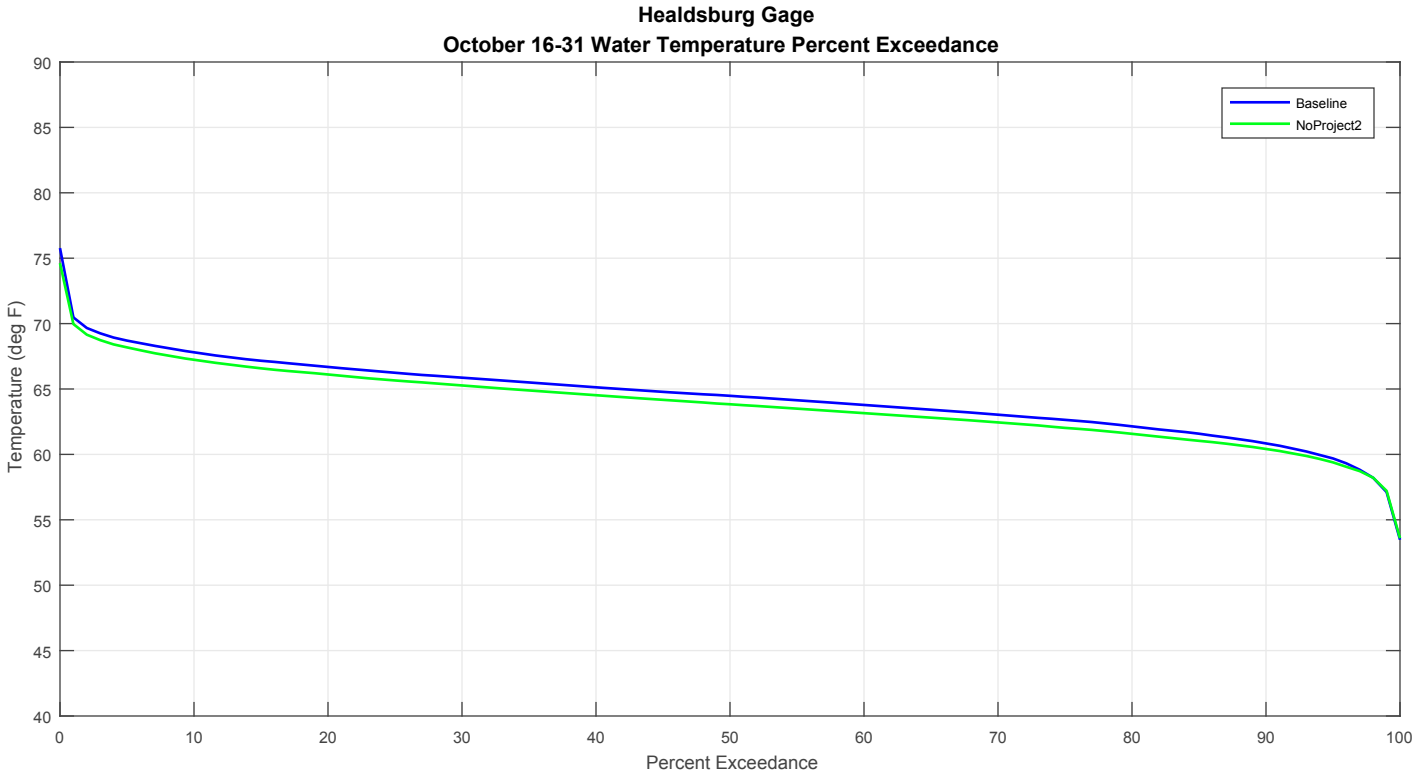
Healdsburg Gage
October 16-31 Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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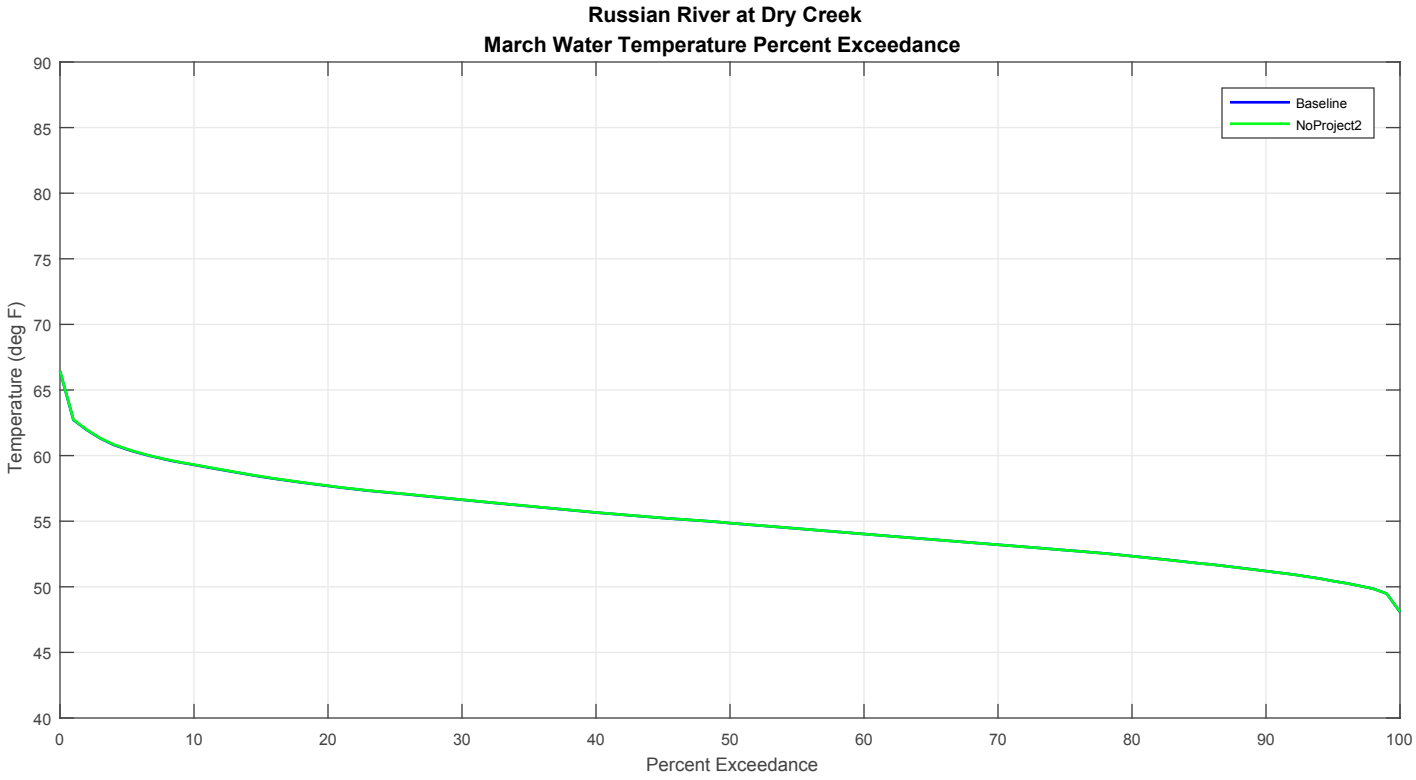
Russian River at Dry Creek
March Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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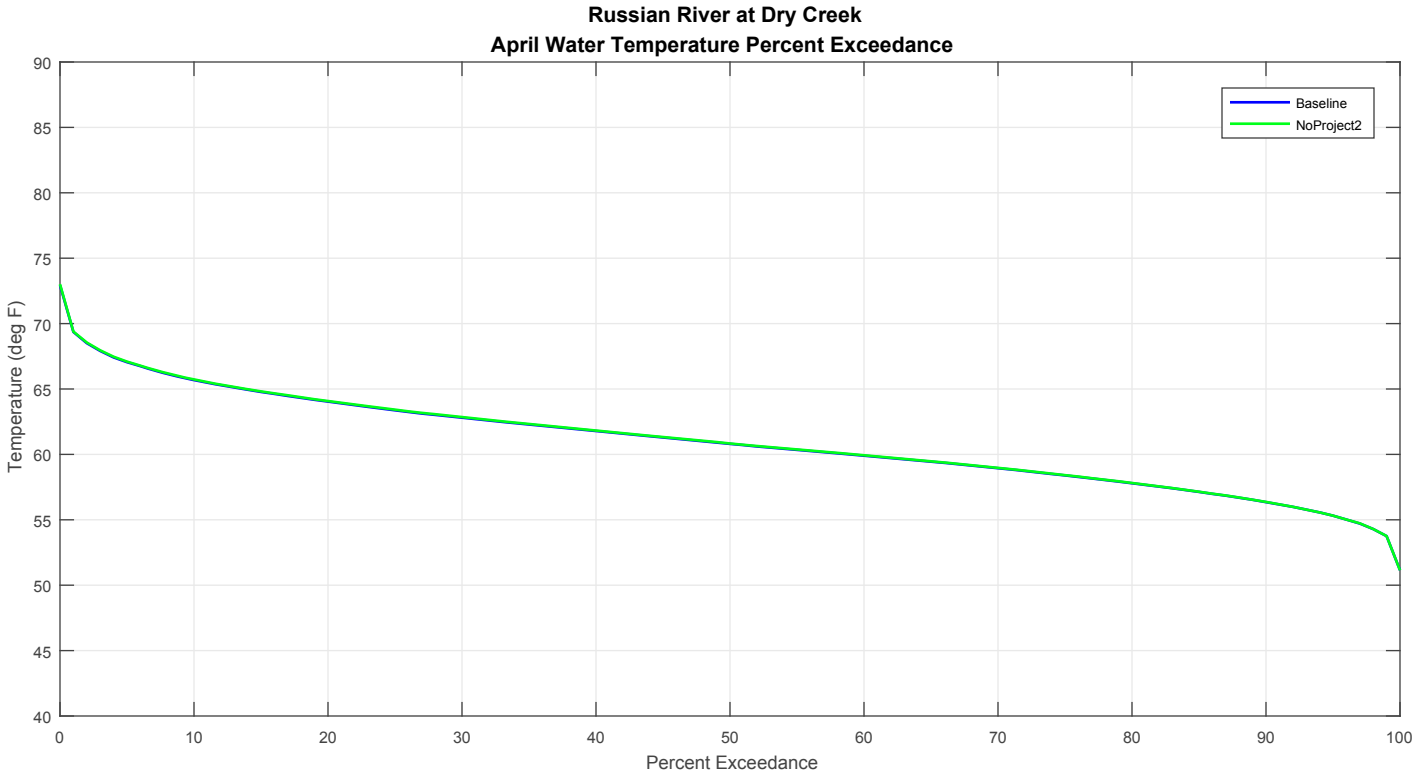
Russian River at Dry Creek
April Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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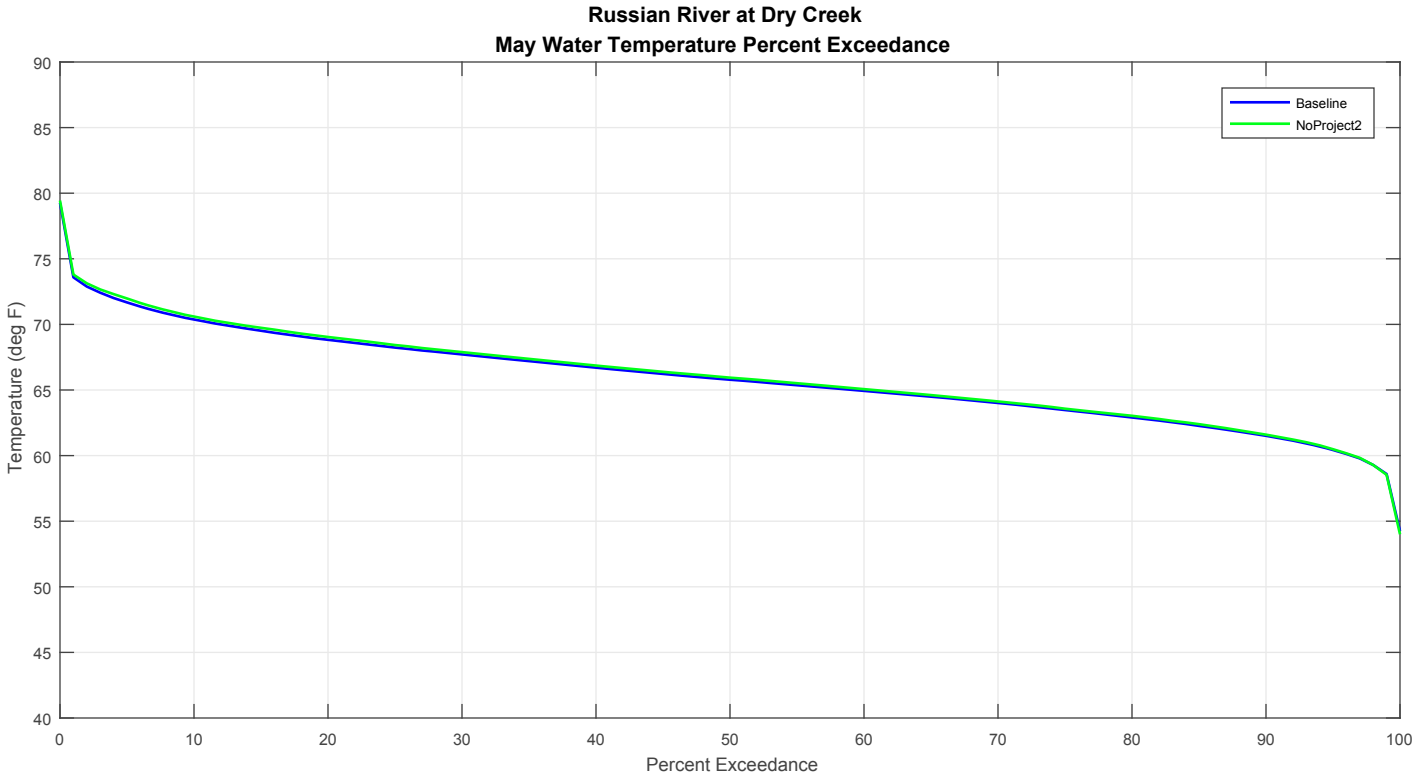
Russian River at Dry Creek
May Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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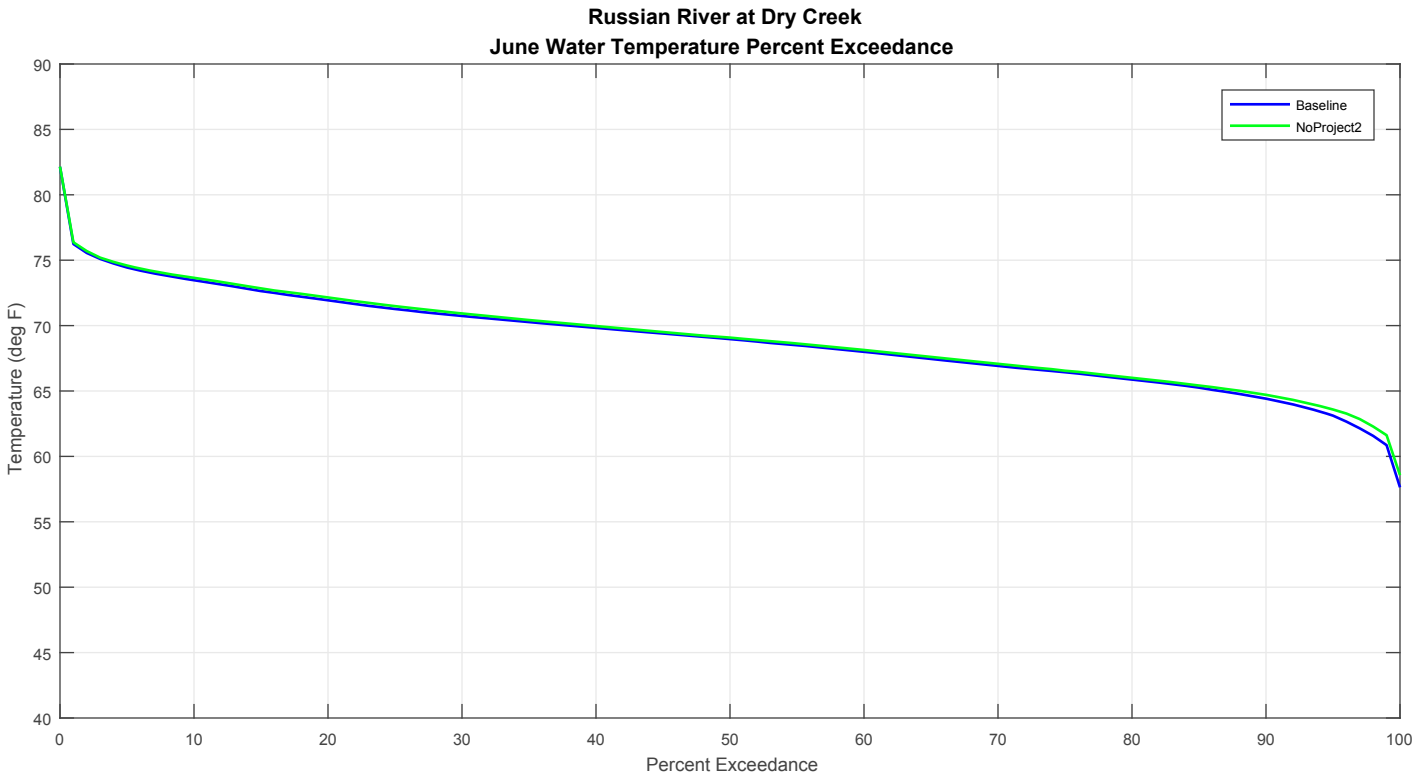
Russian River at Dry Creek
June Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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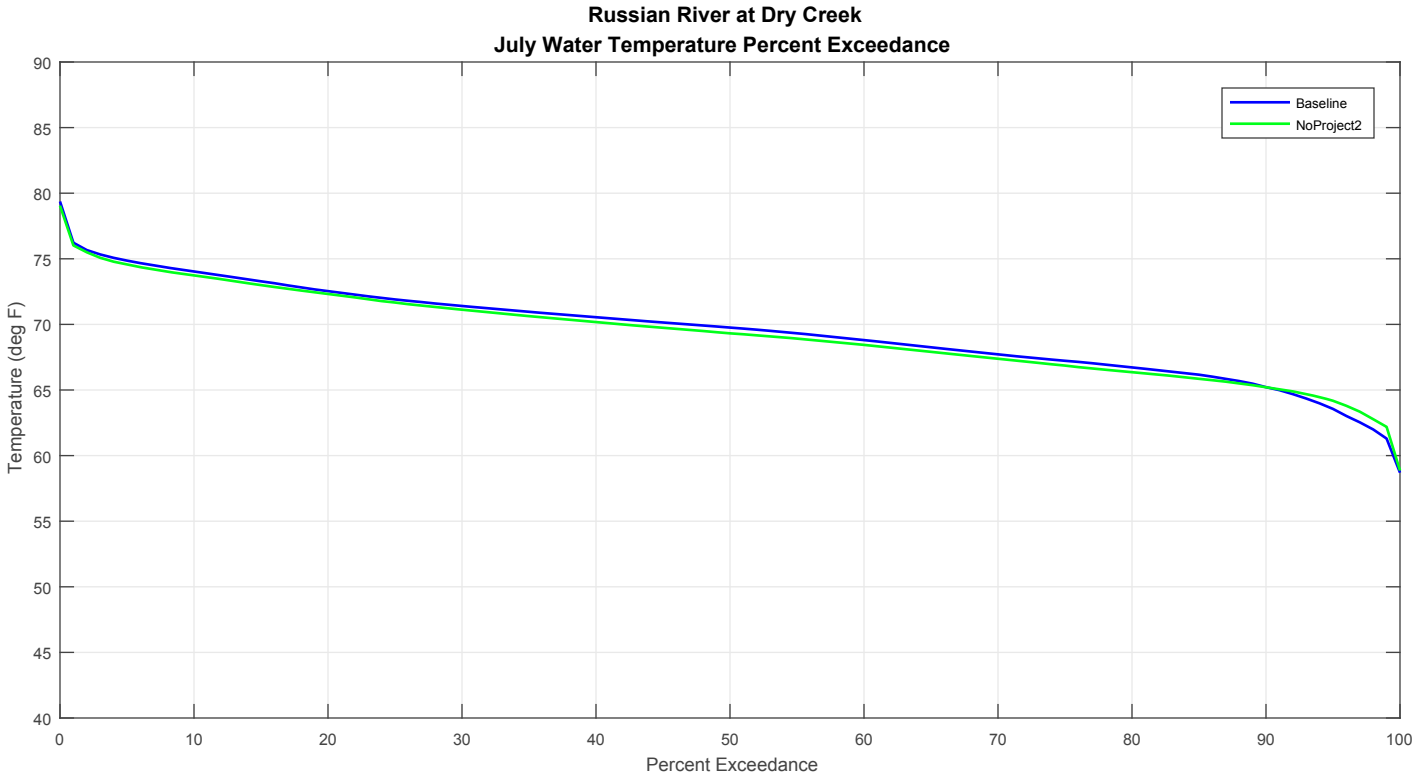
Russian River at Dry Creek
July Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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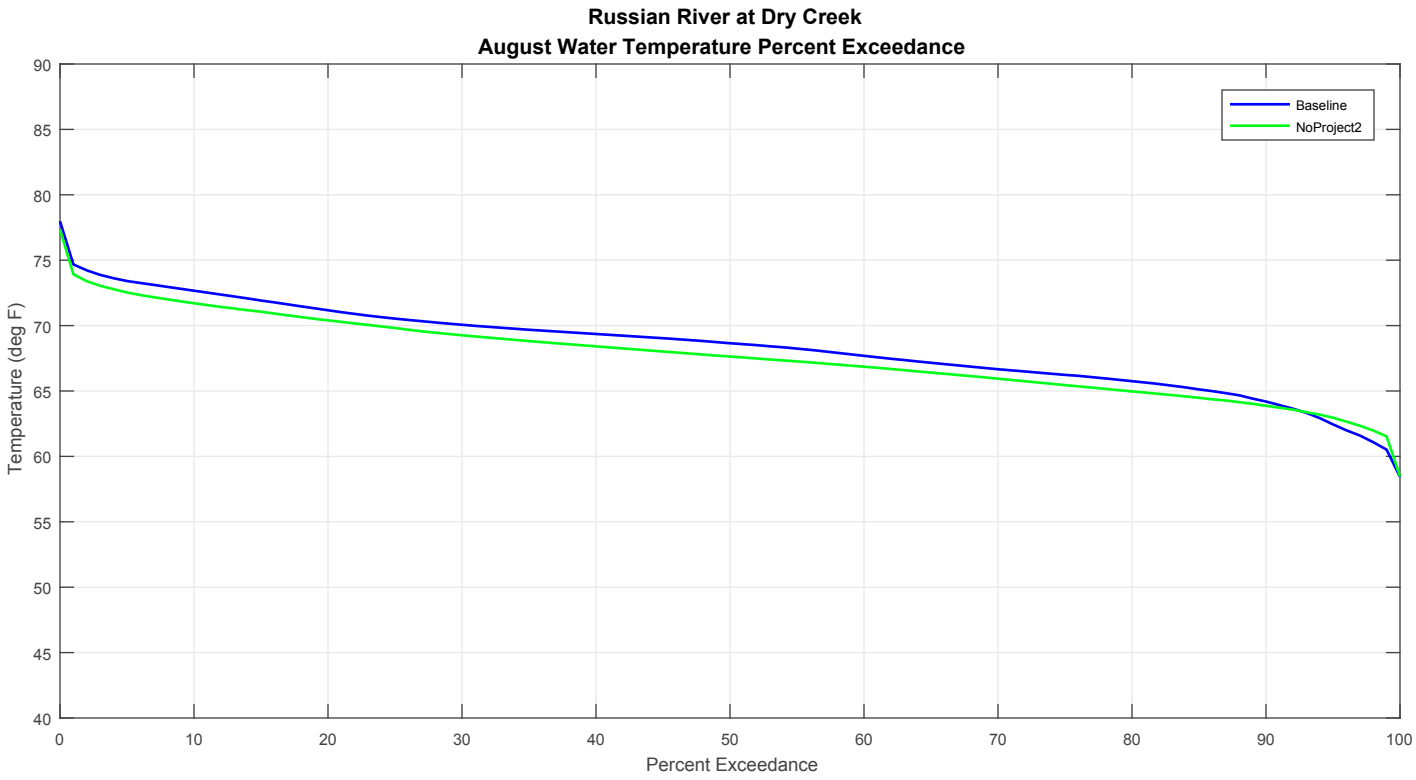
Russian River at Dry Creek
August Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
90
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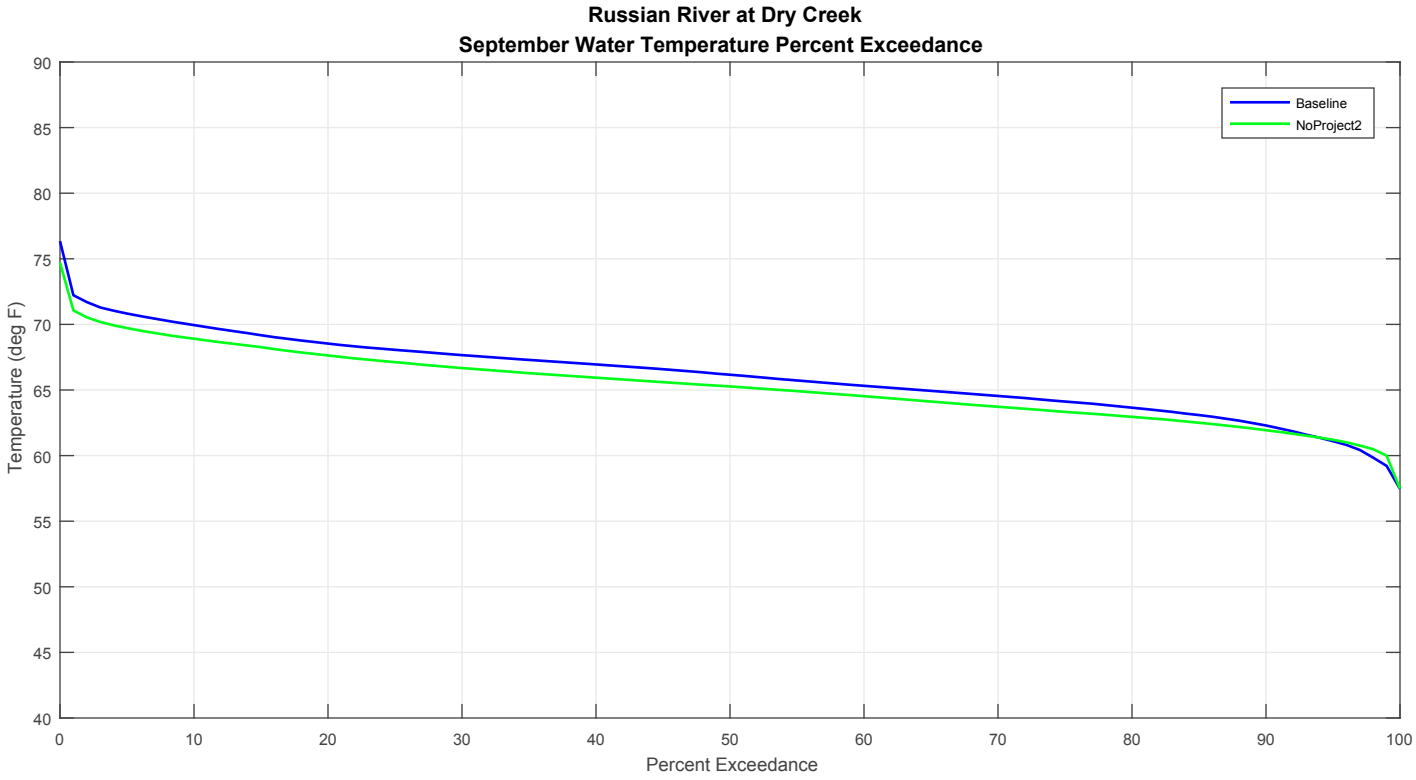
Russian River at Dry Creek
September Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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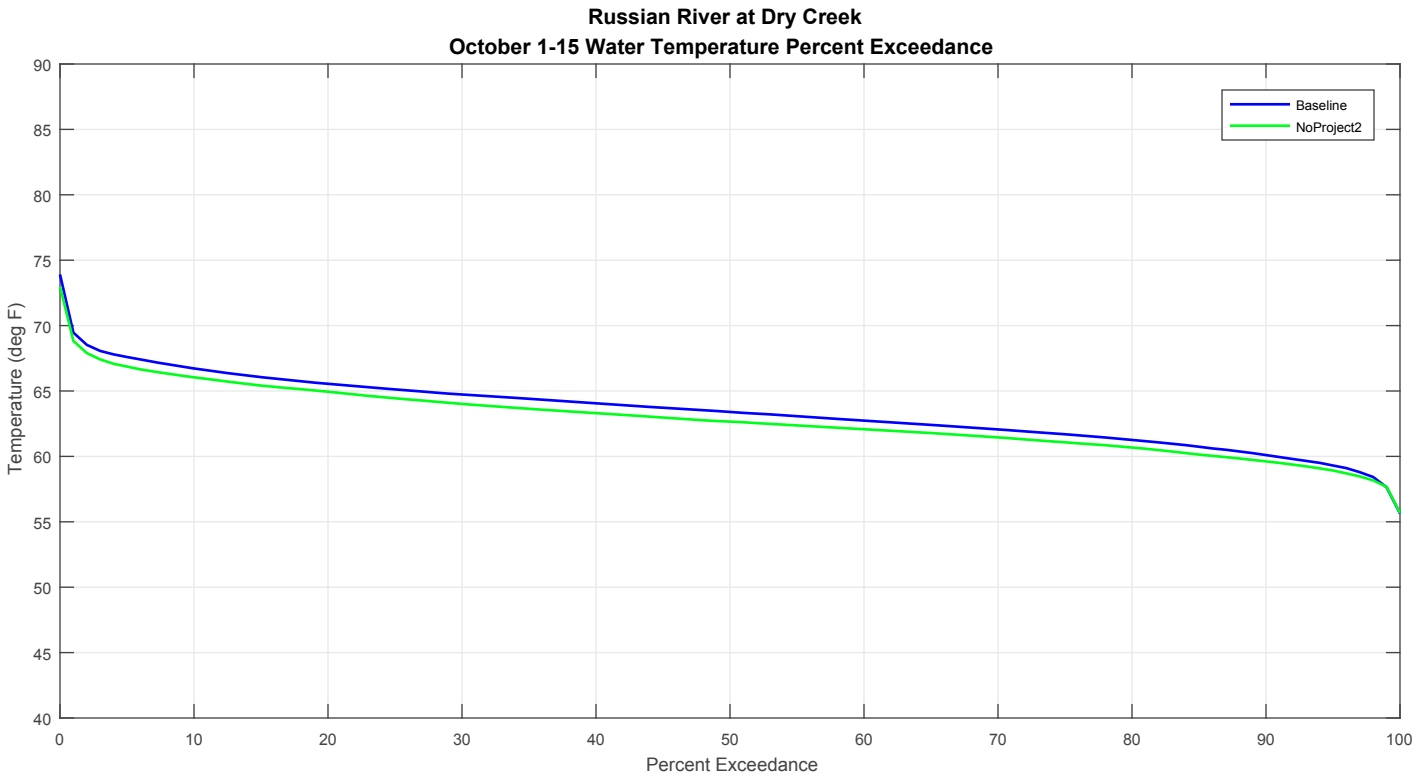
Russian River at Dry Creek
October 1-15 Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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Russian River at Dry Creek
October 16-31 Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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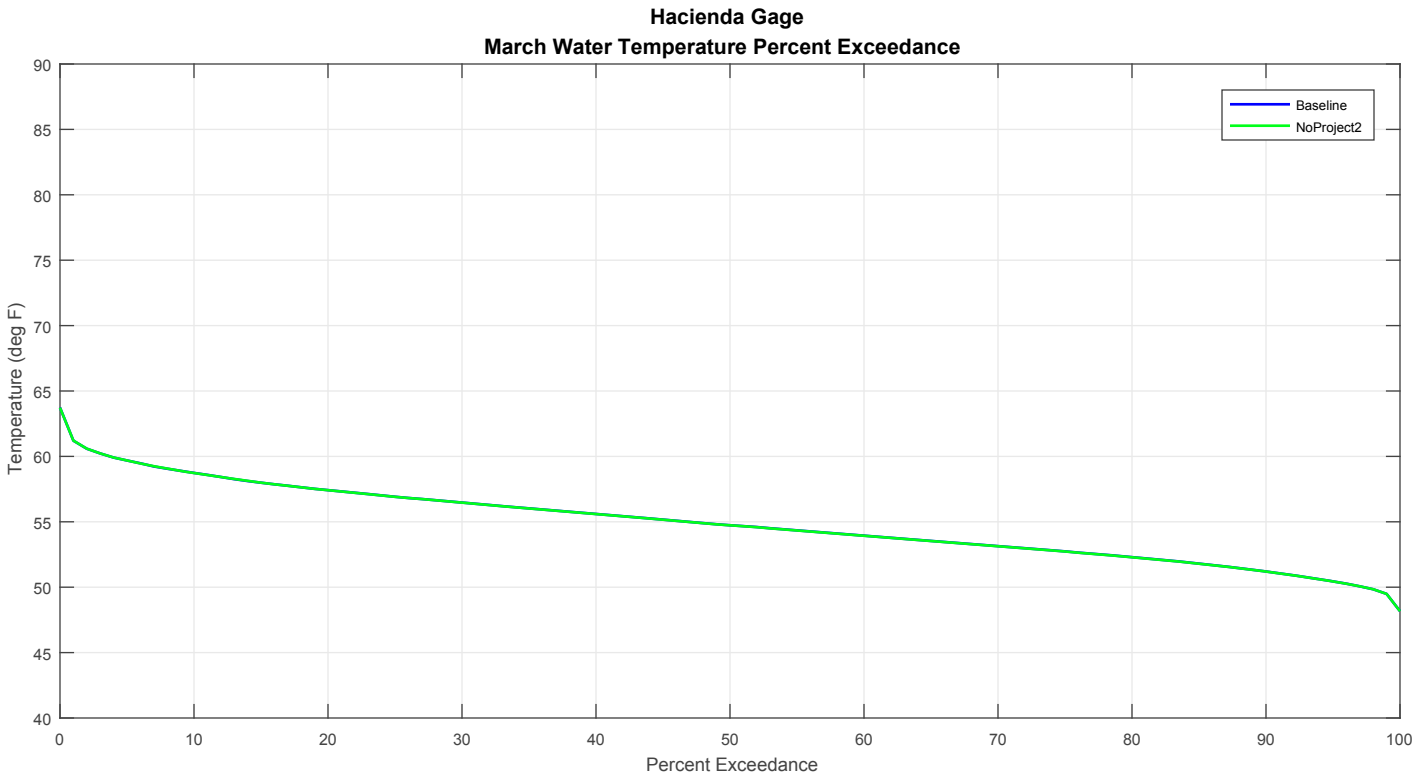
Hacienda Gage
March Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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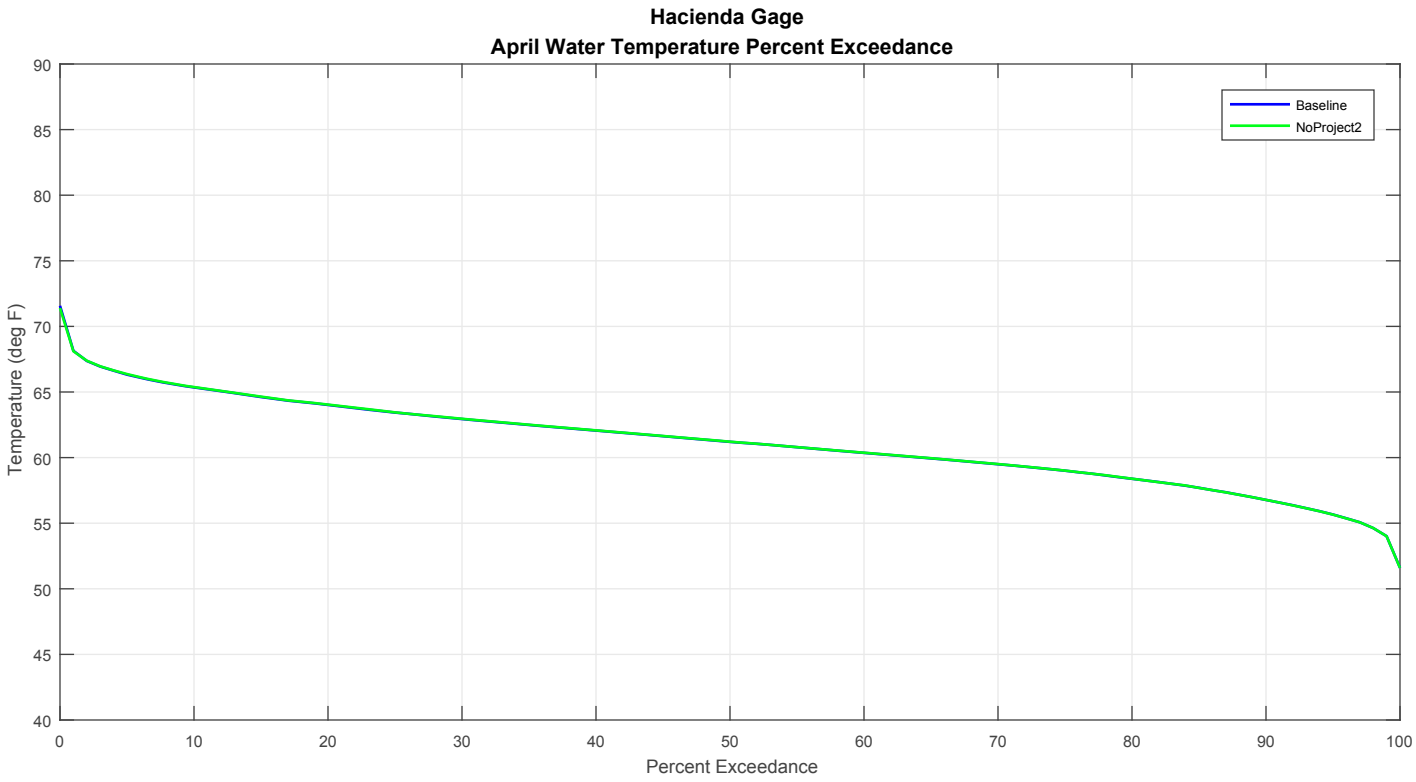
Hacienda Gage
April Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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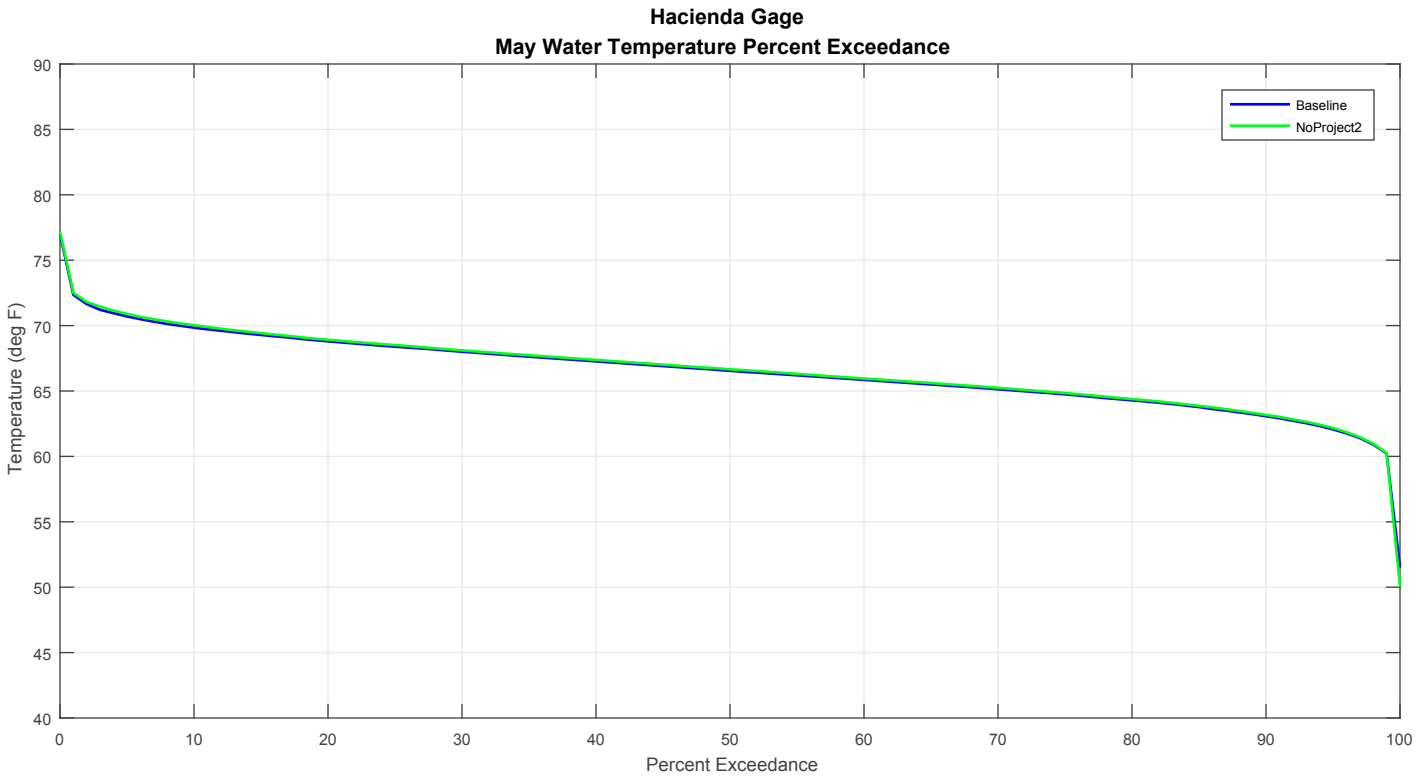
Hacienda Gage
May Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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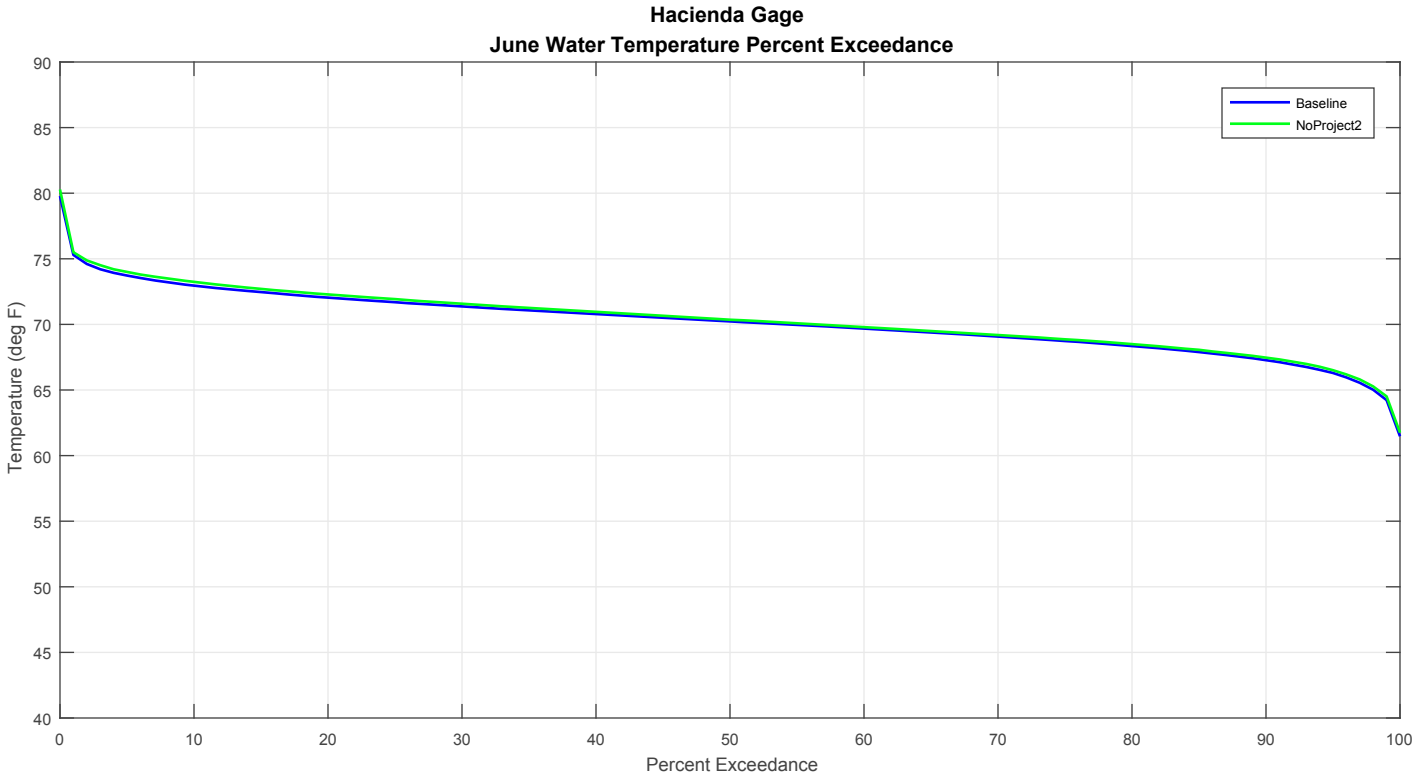
Hacienda Gage
June Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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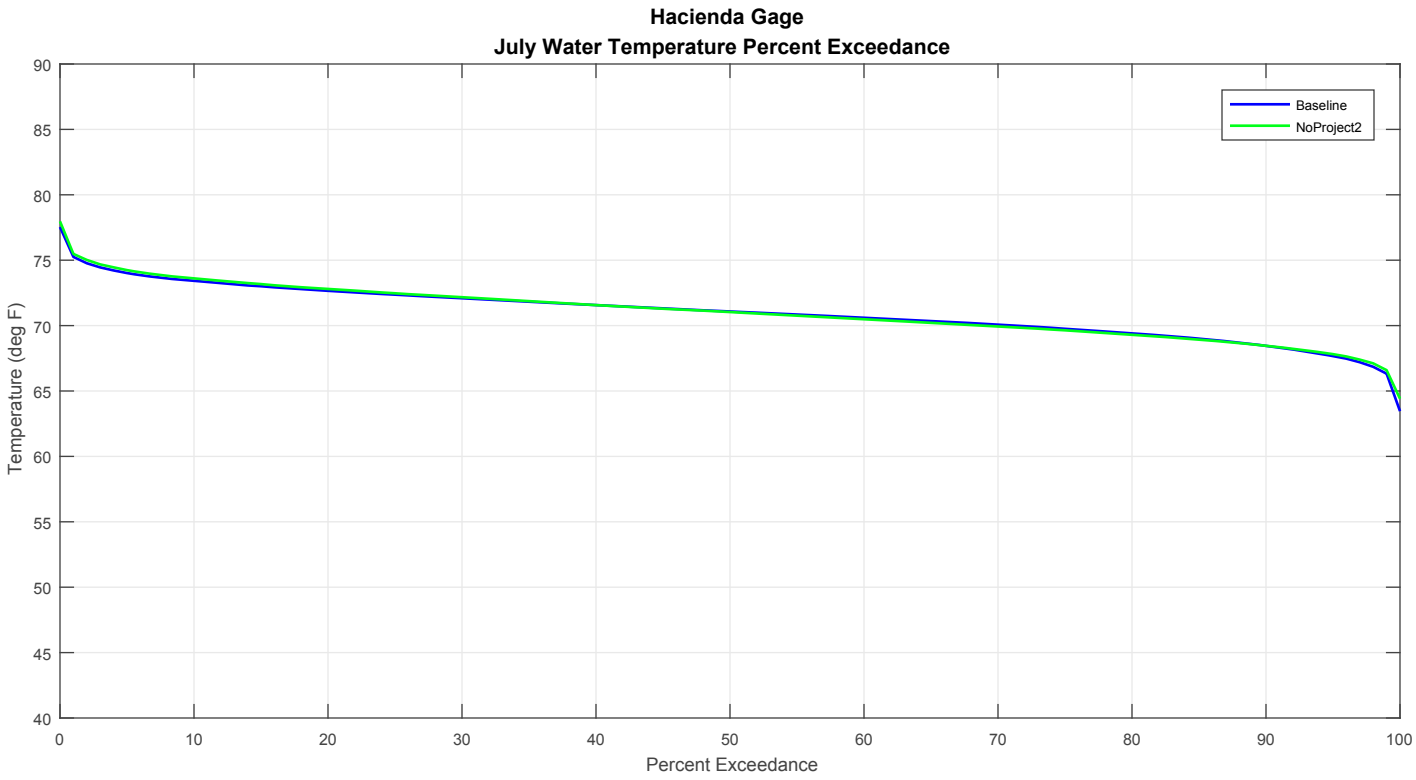
Hacienda Gage
July Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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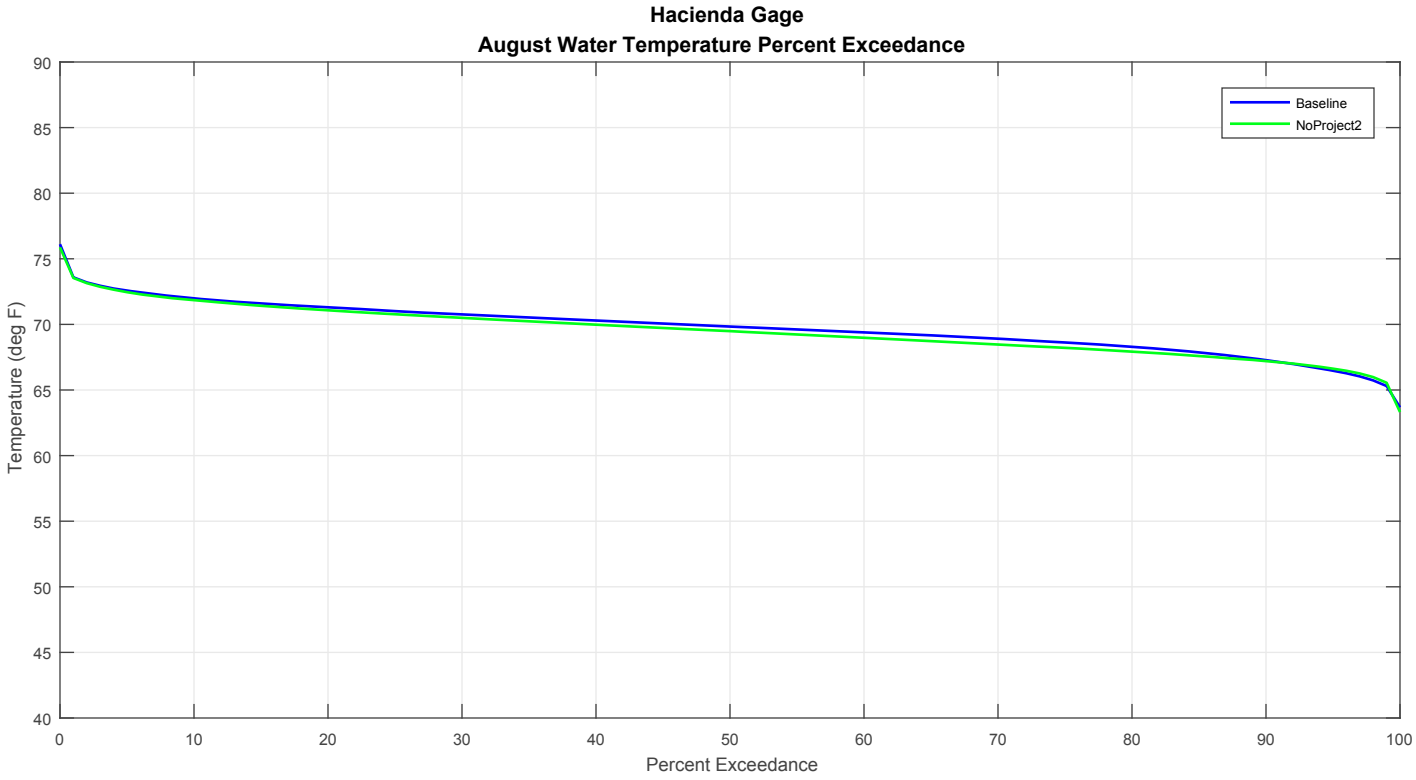
Hacienda Gage
August Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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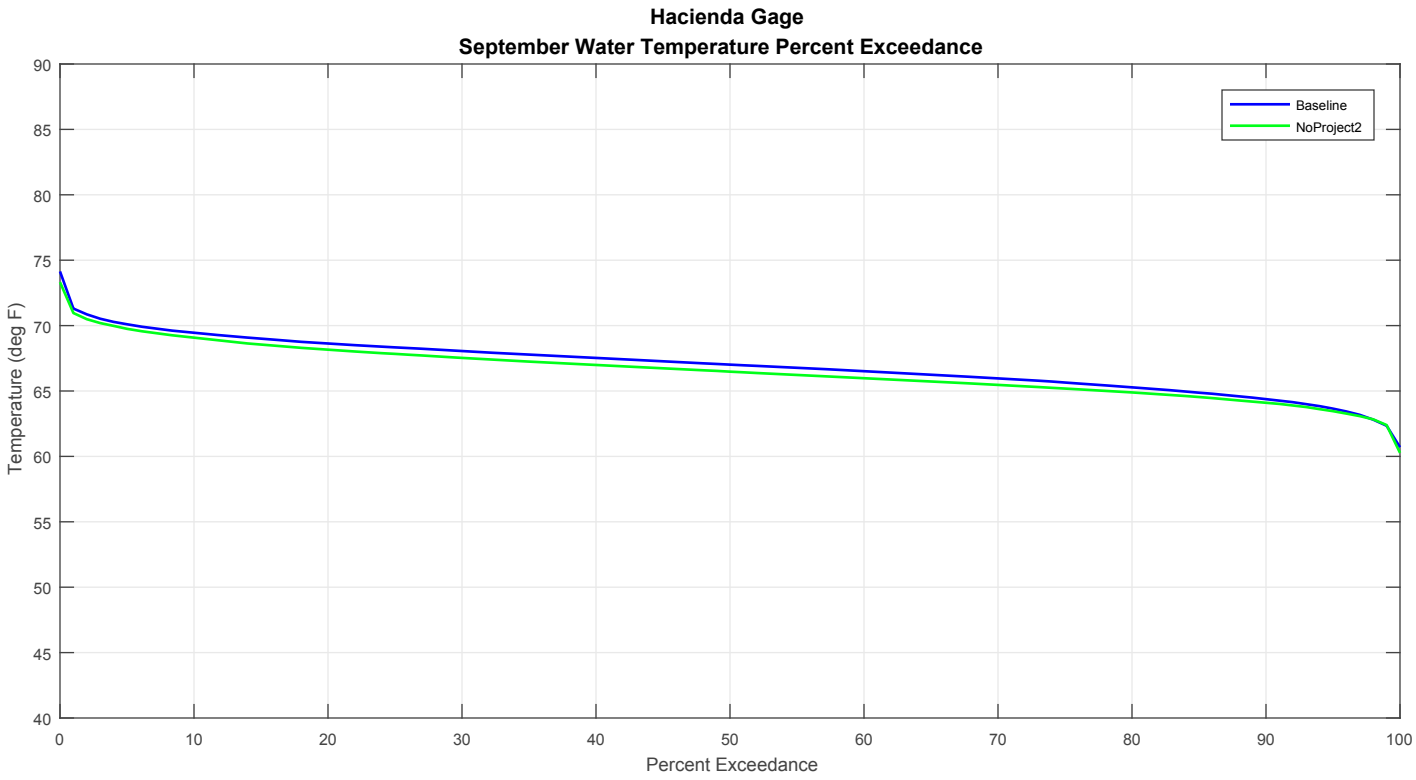
Hacienda Gage
September Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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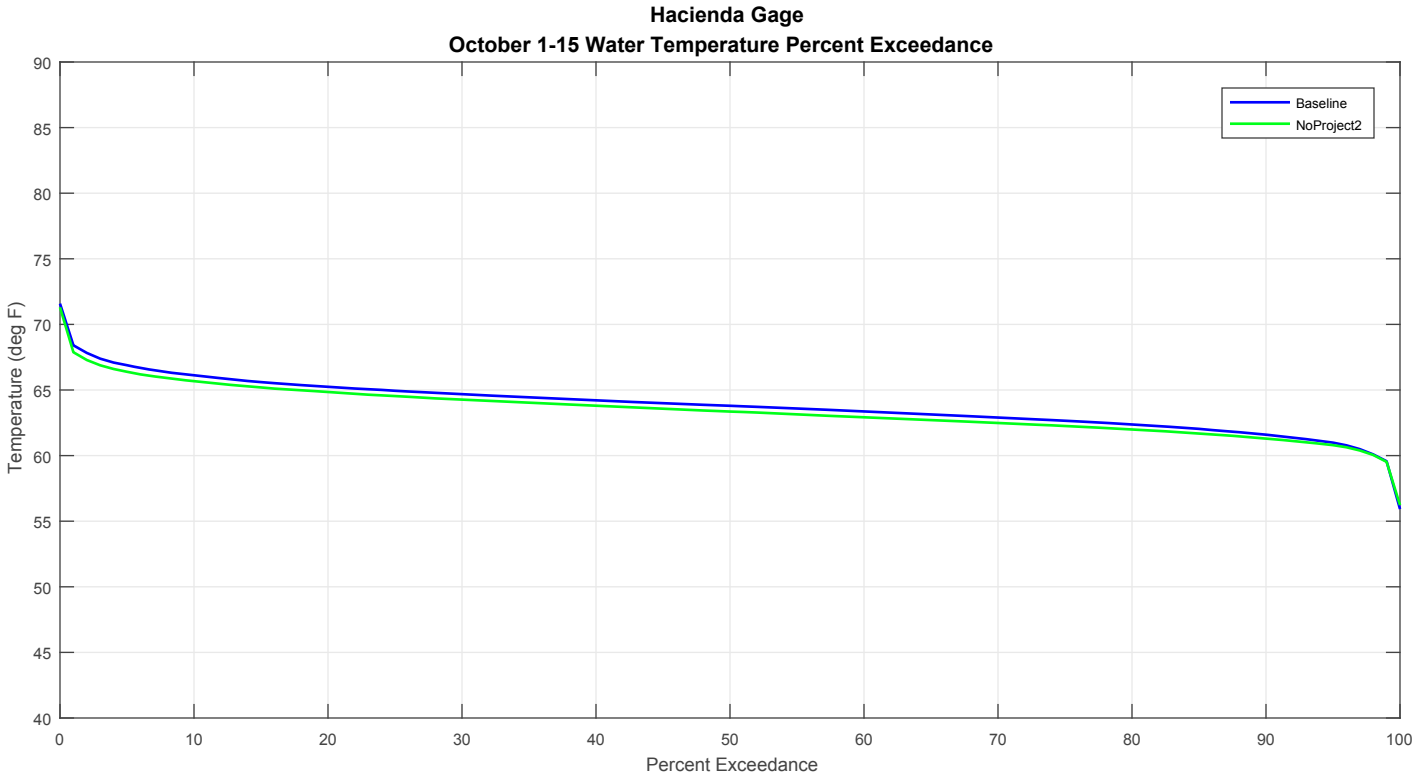
Hacienda Gage
October 1-15 Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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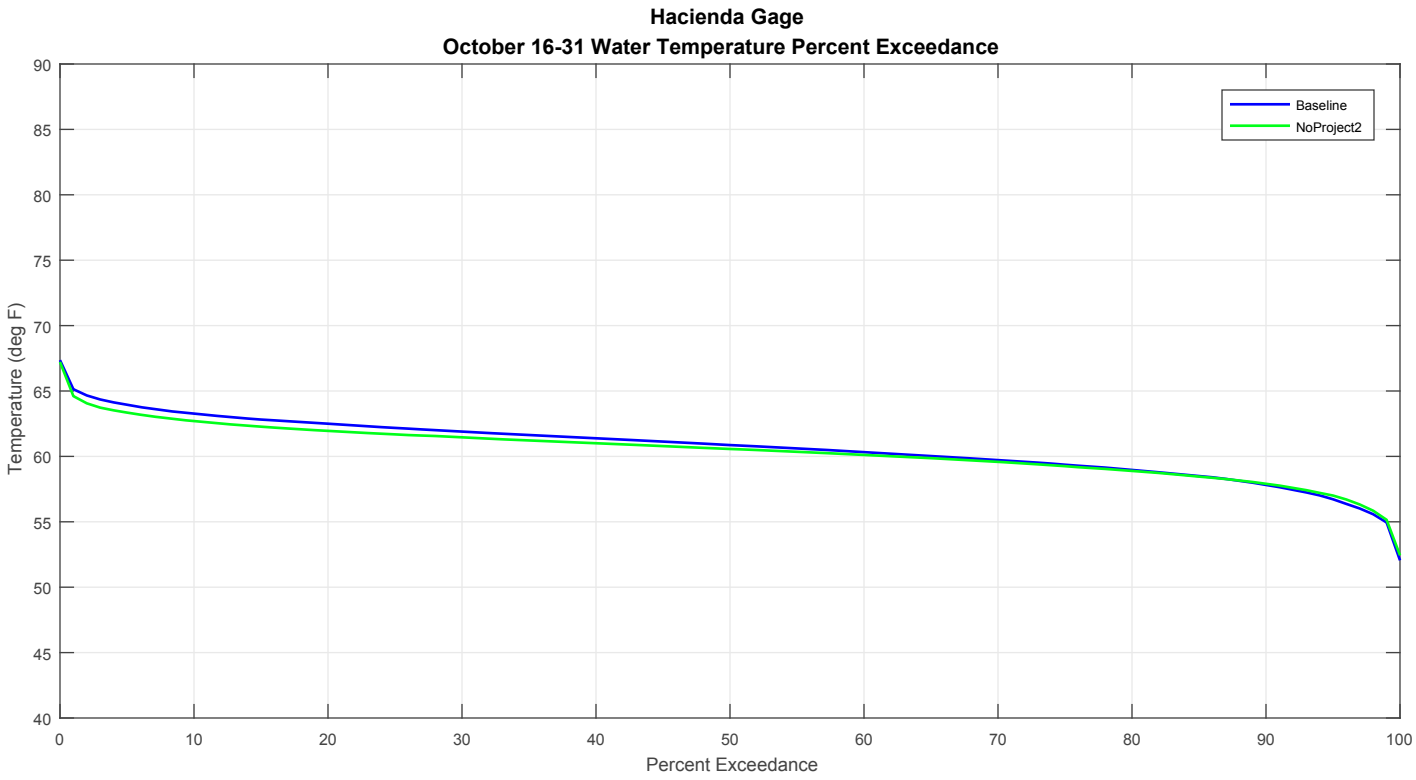
Hacienda Gage
October 16-31 Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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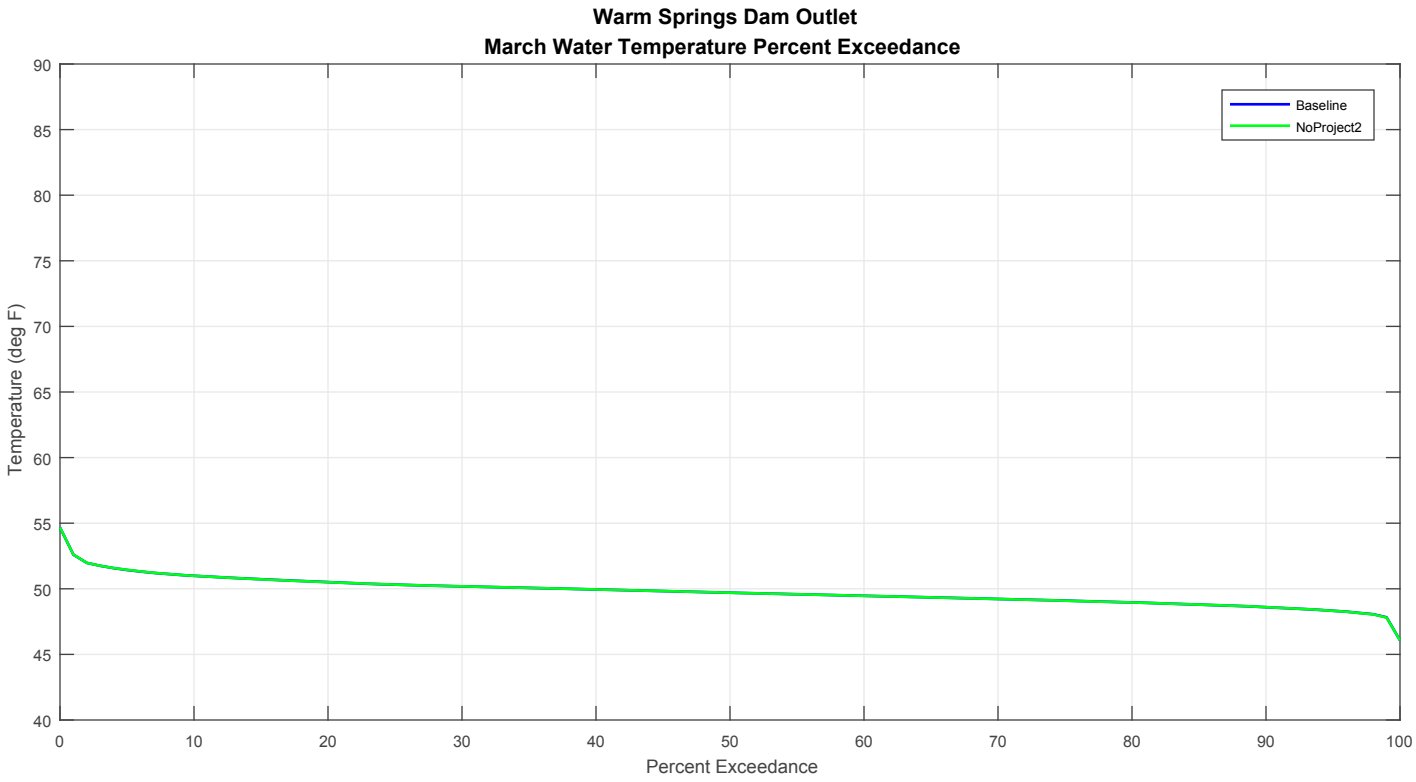
Warm Springs Dam Outlet
March Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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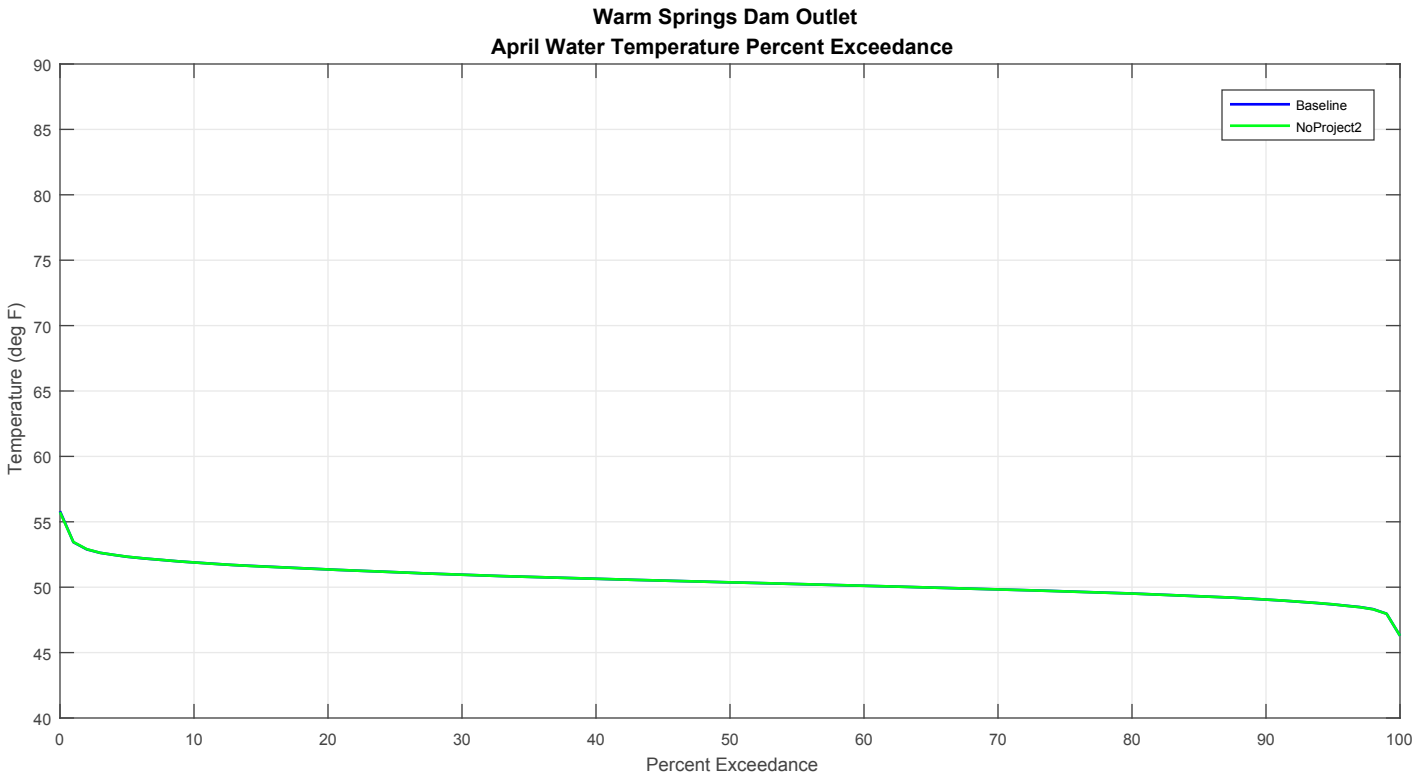
Warm Springs Dam Outlet
April Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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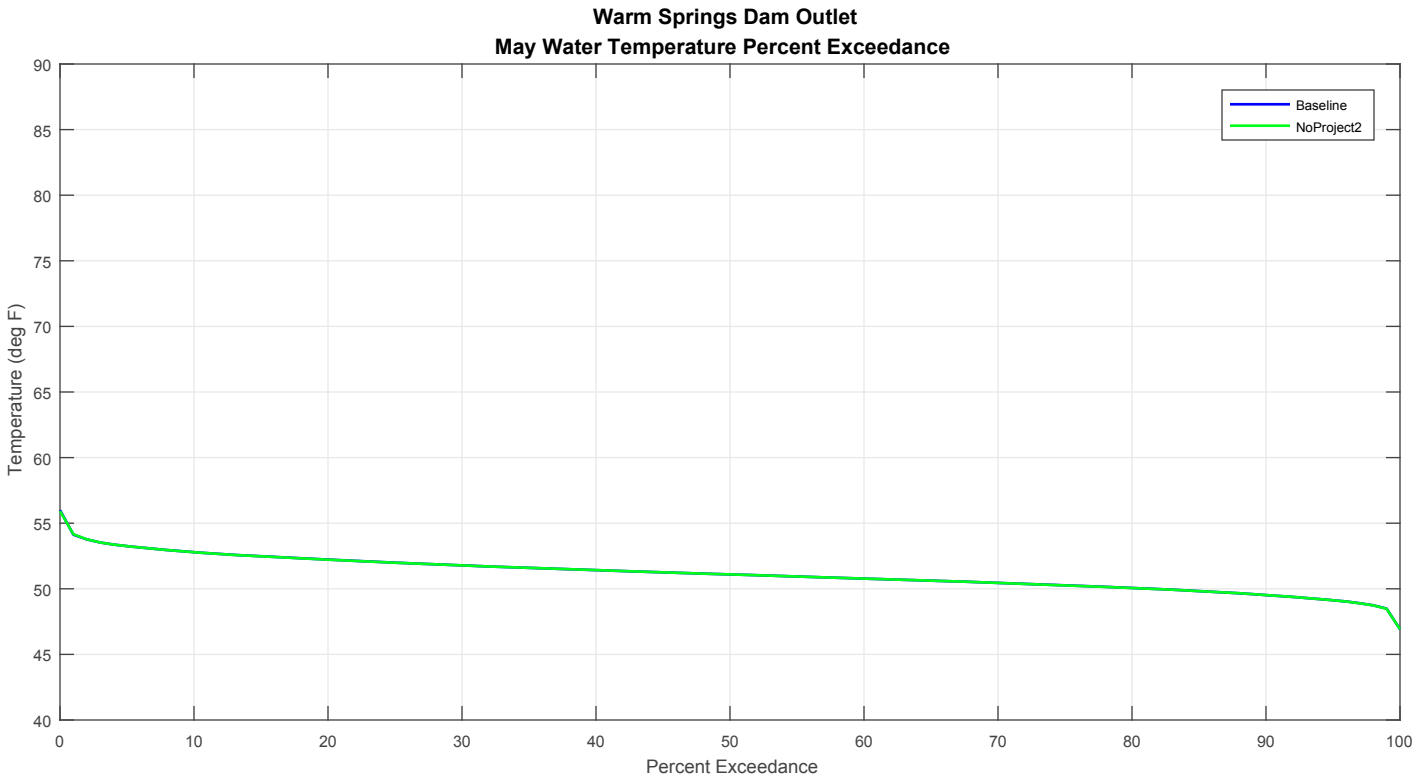
Warm Springs Dam Outlet
May Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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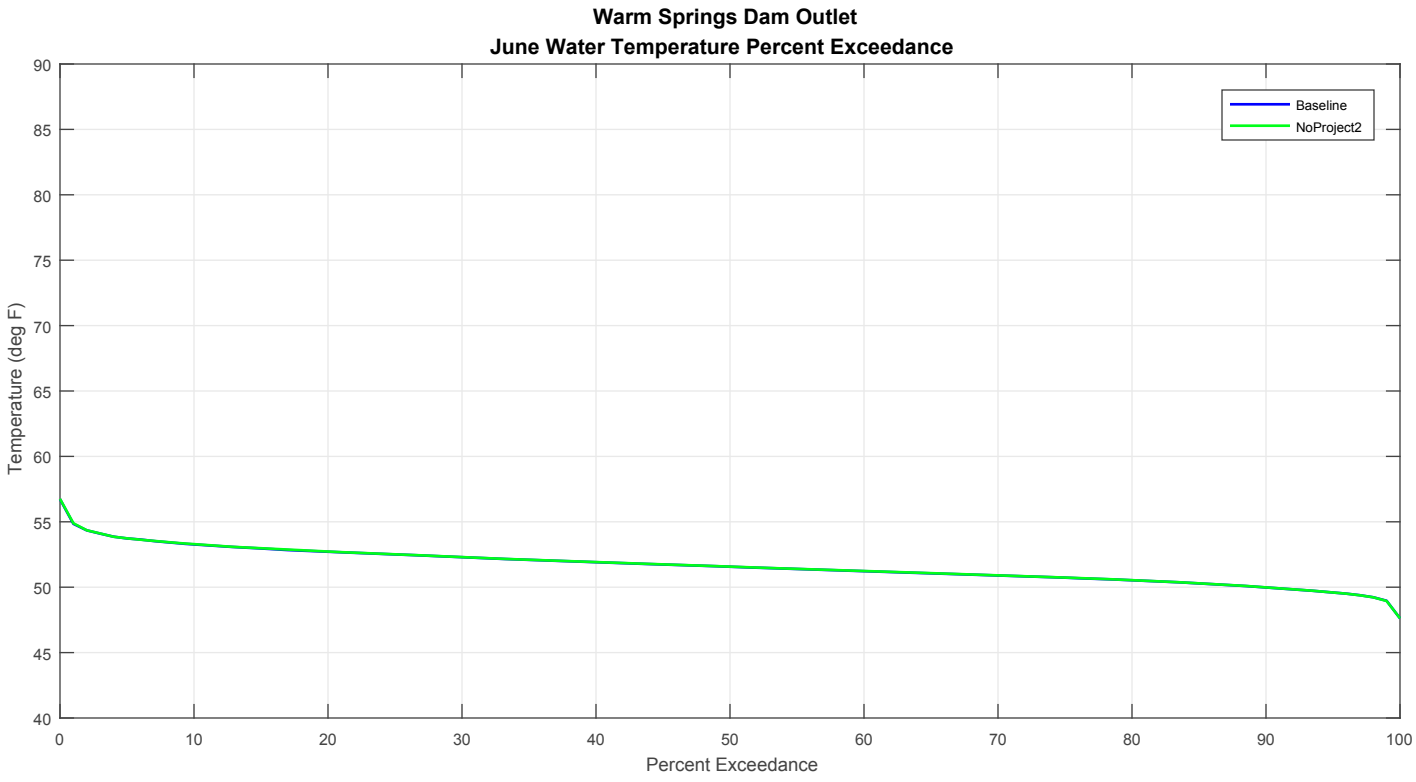
Warm Springs Dam Outlet
June Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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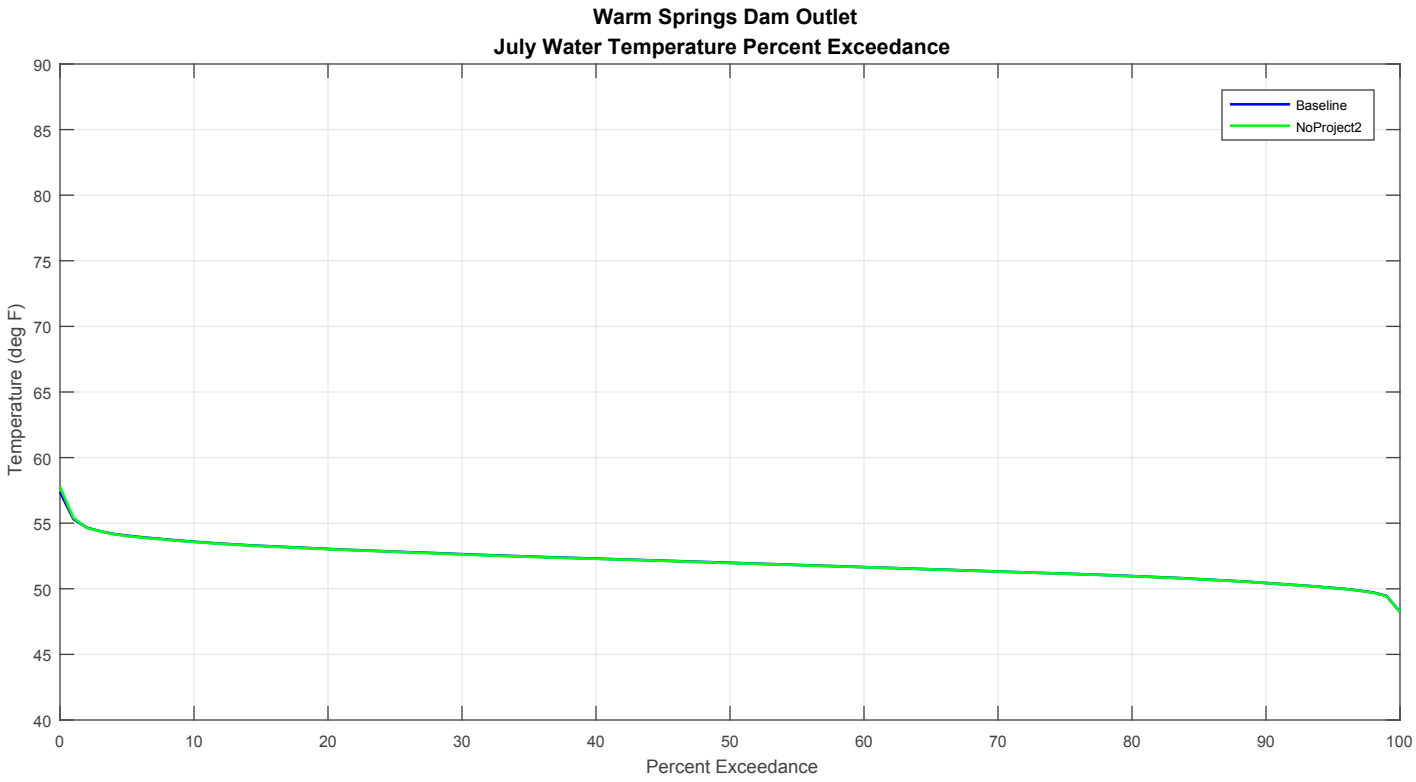
Warm Springs Dam Outlet
July Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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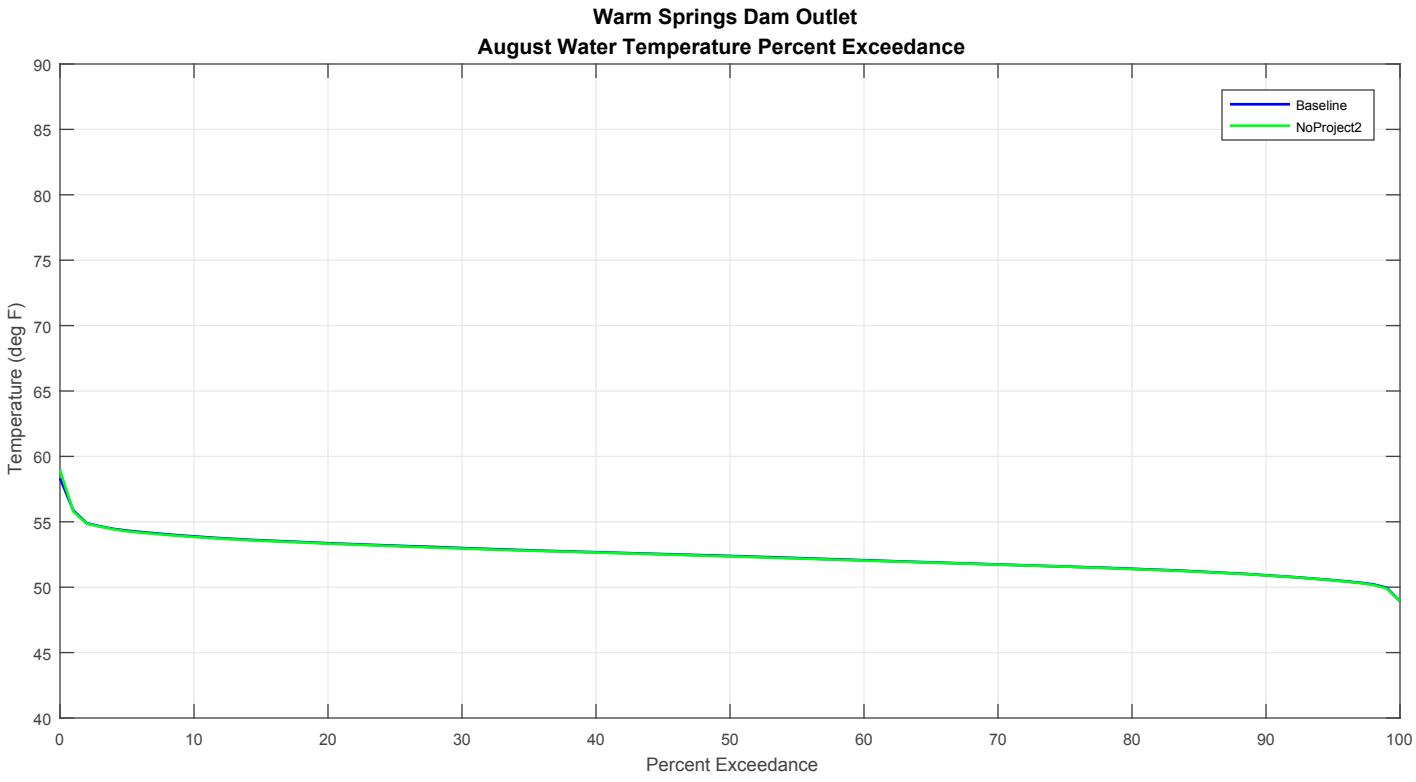
Warm Springs Dam Outlet
August Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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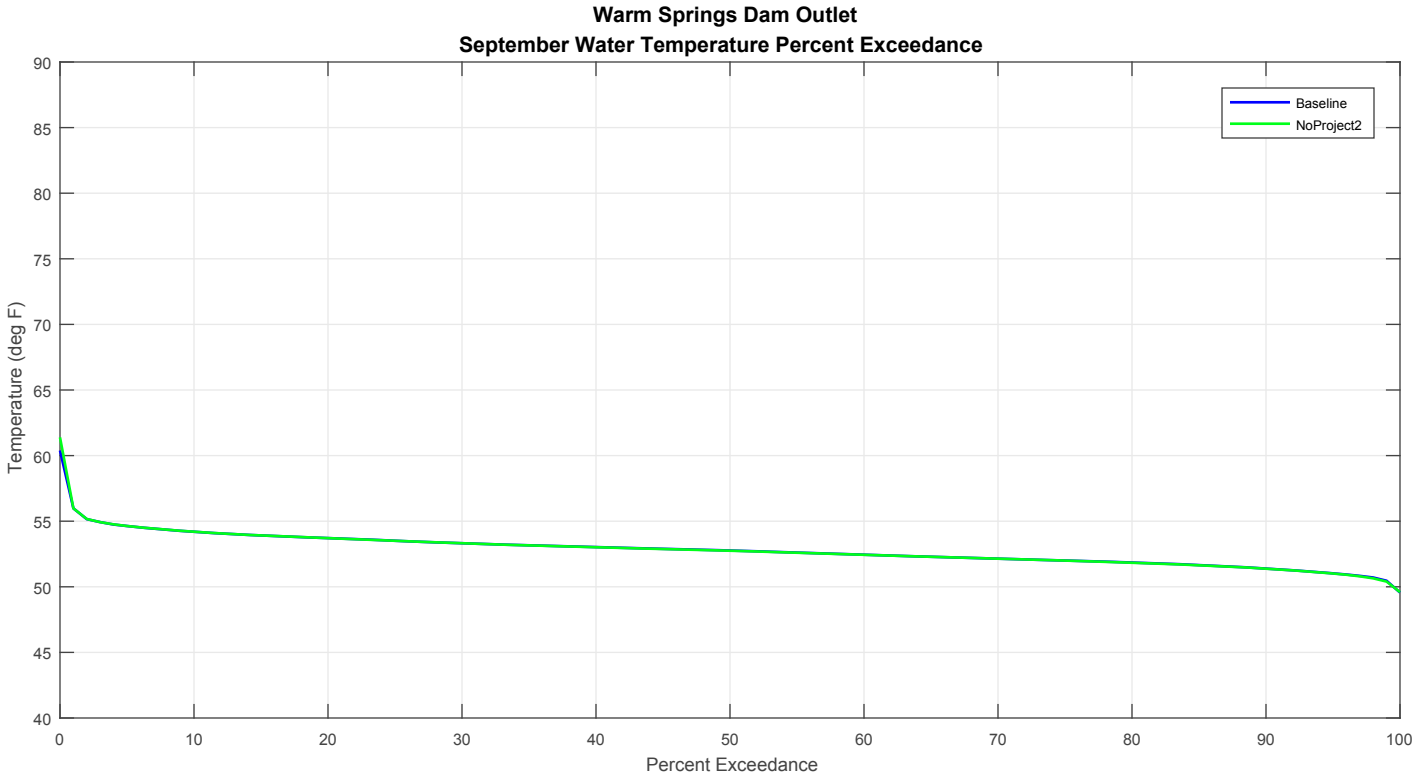
Warm Springs Dam Outlet
September Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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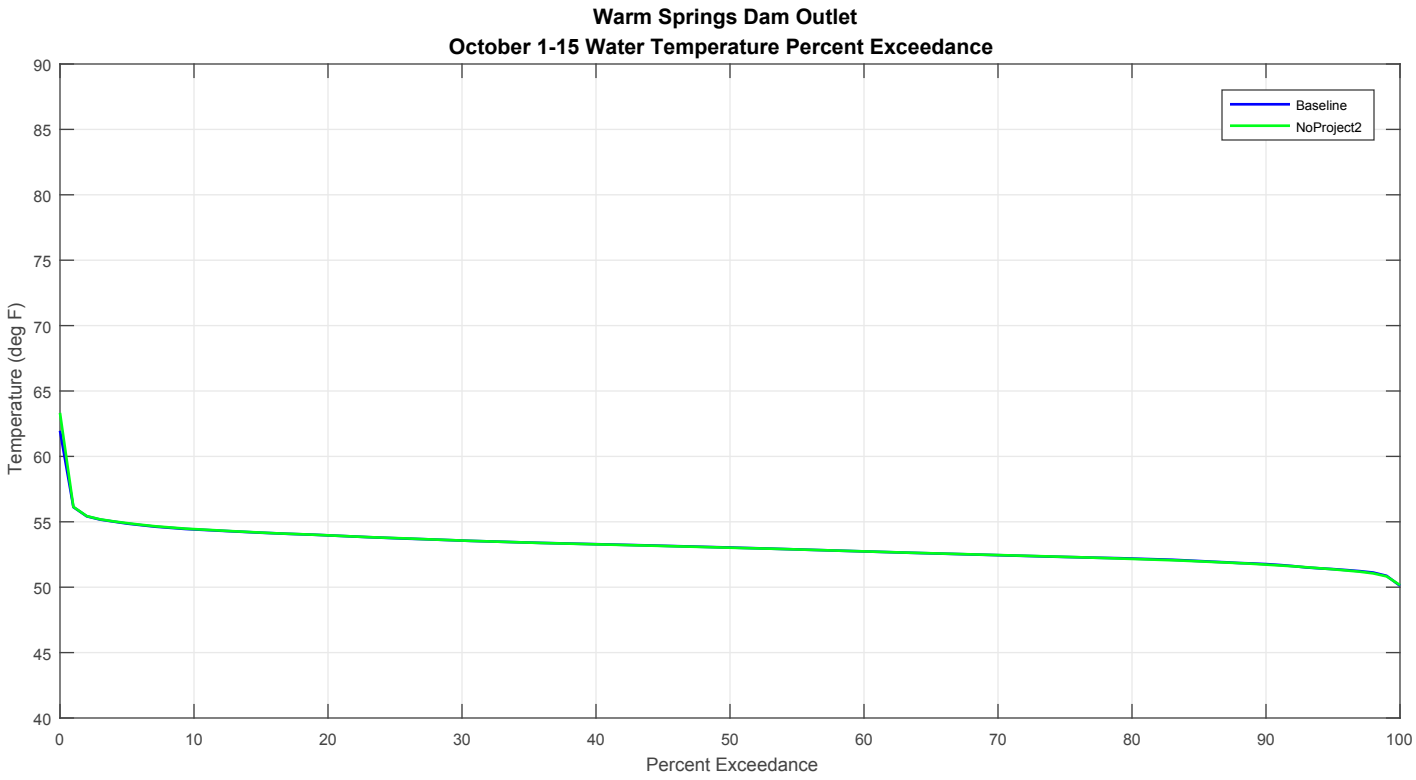
Warm Springs Dam Outlet
October 1-15 Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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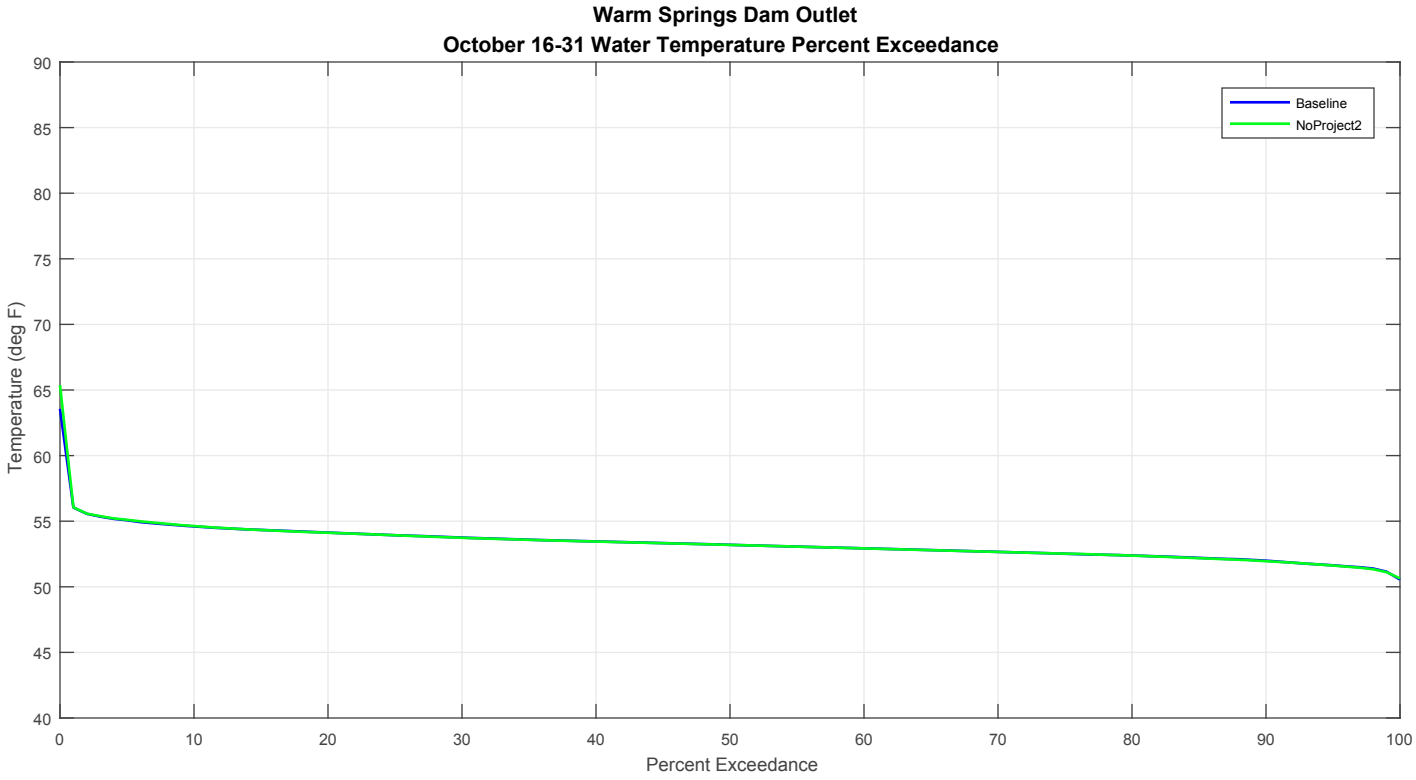
Warm Springs Dam Outlet
October 16-31 Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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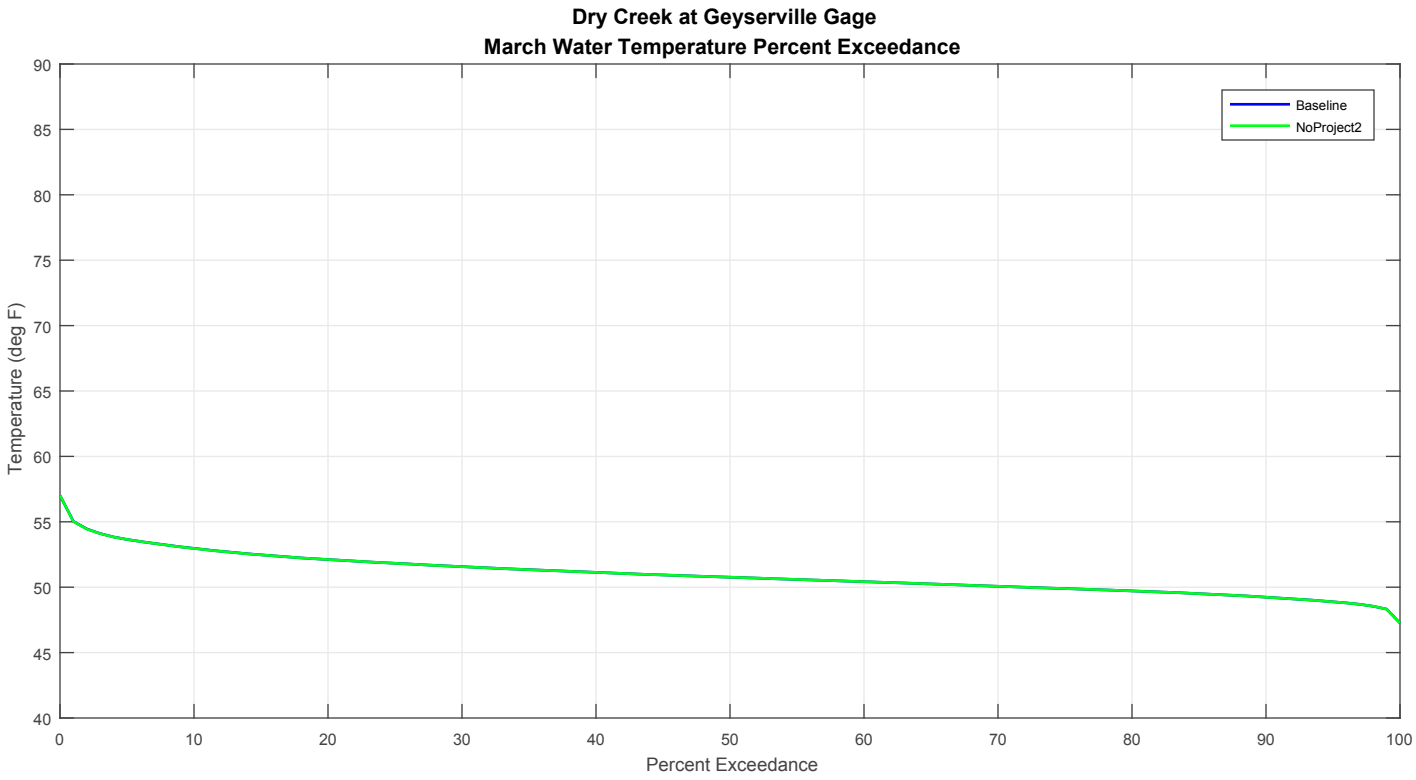
Dry Creek at Geyserville Gage
March Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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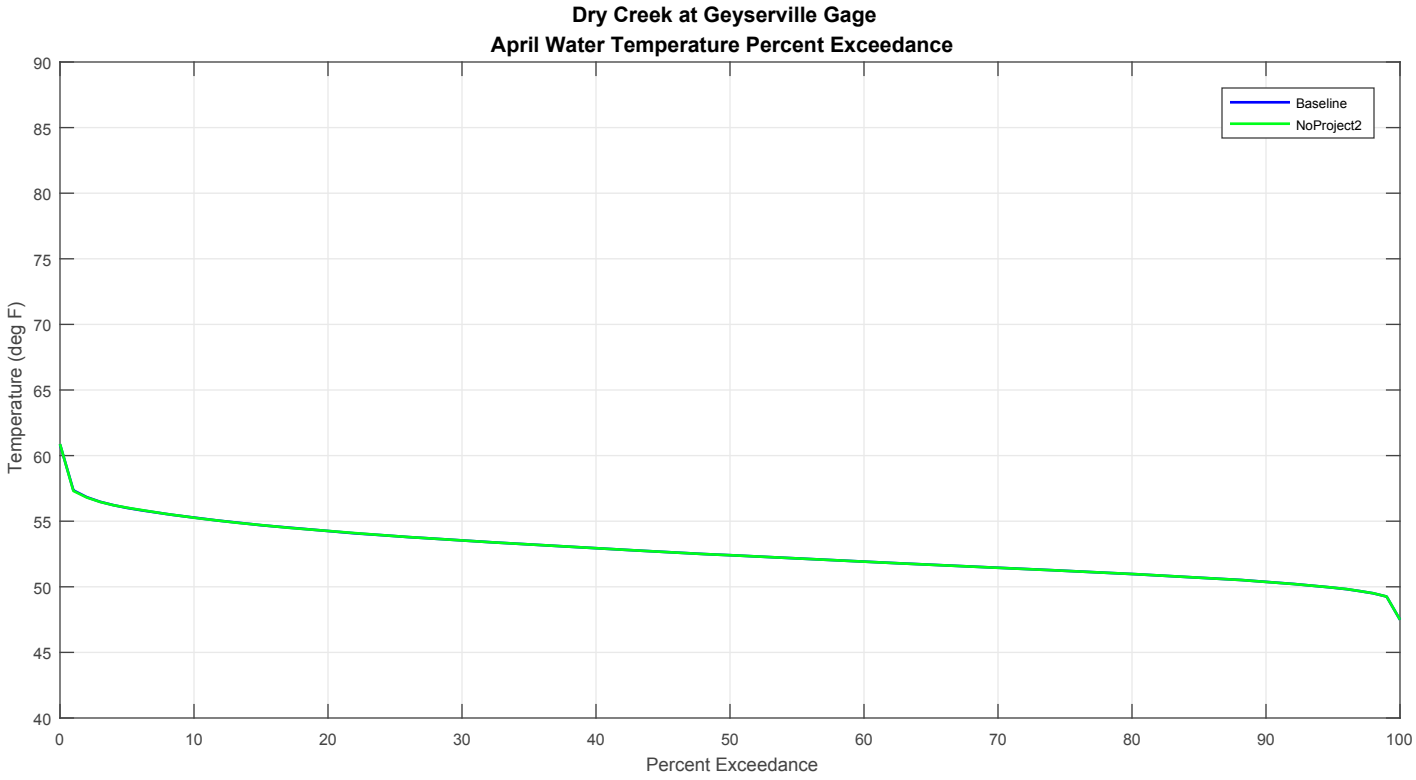
Dry Creek at Geyserville Gage
April Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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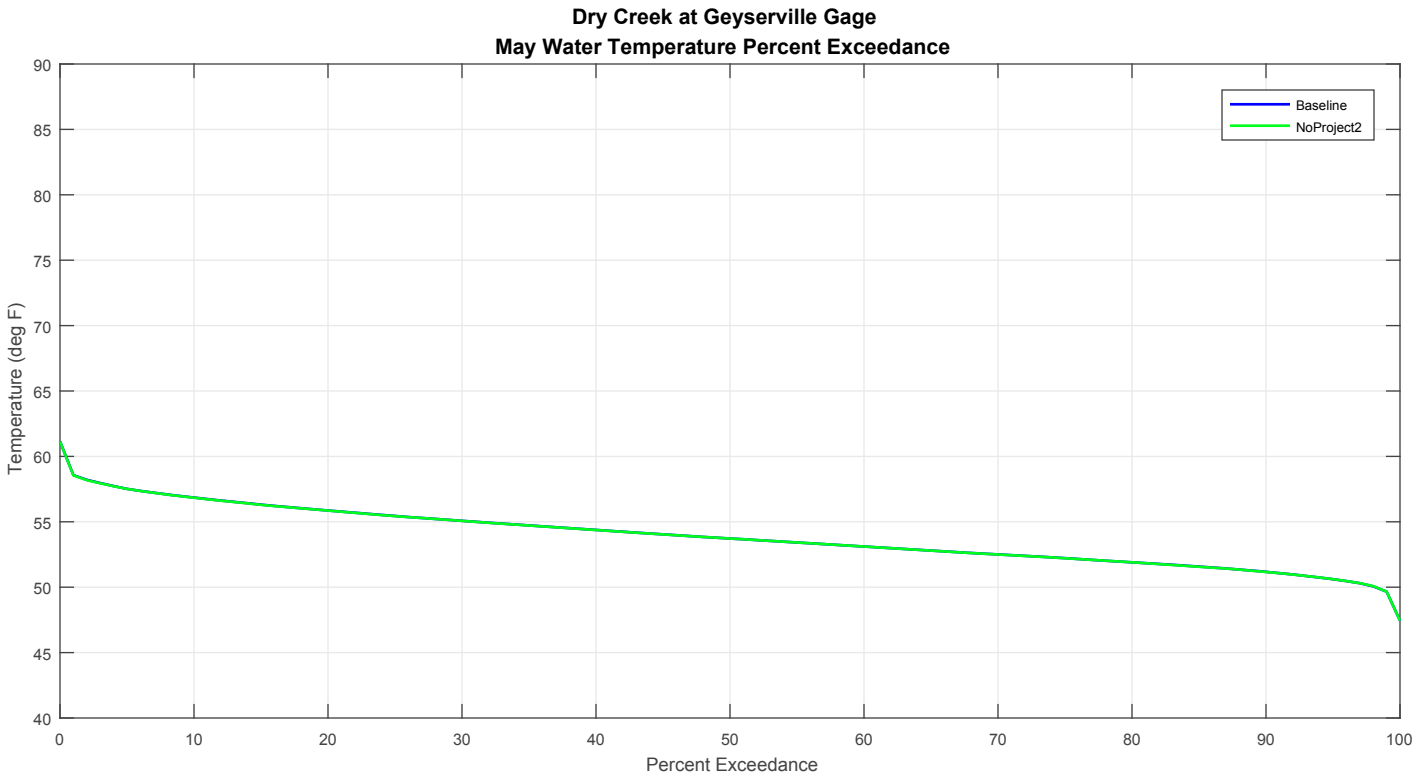
Dry Creek at Geyserville Gage
May Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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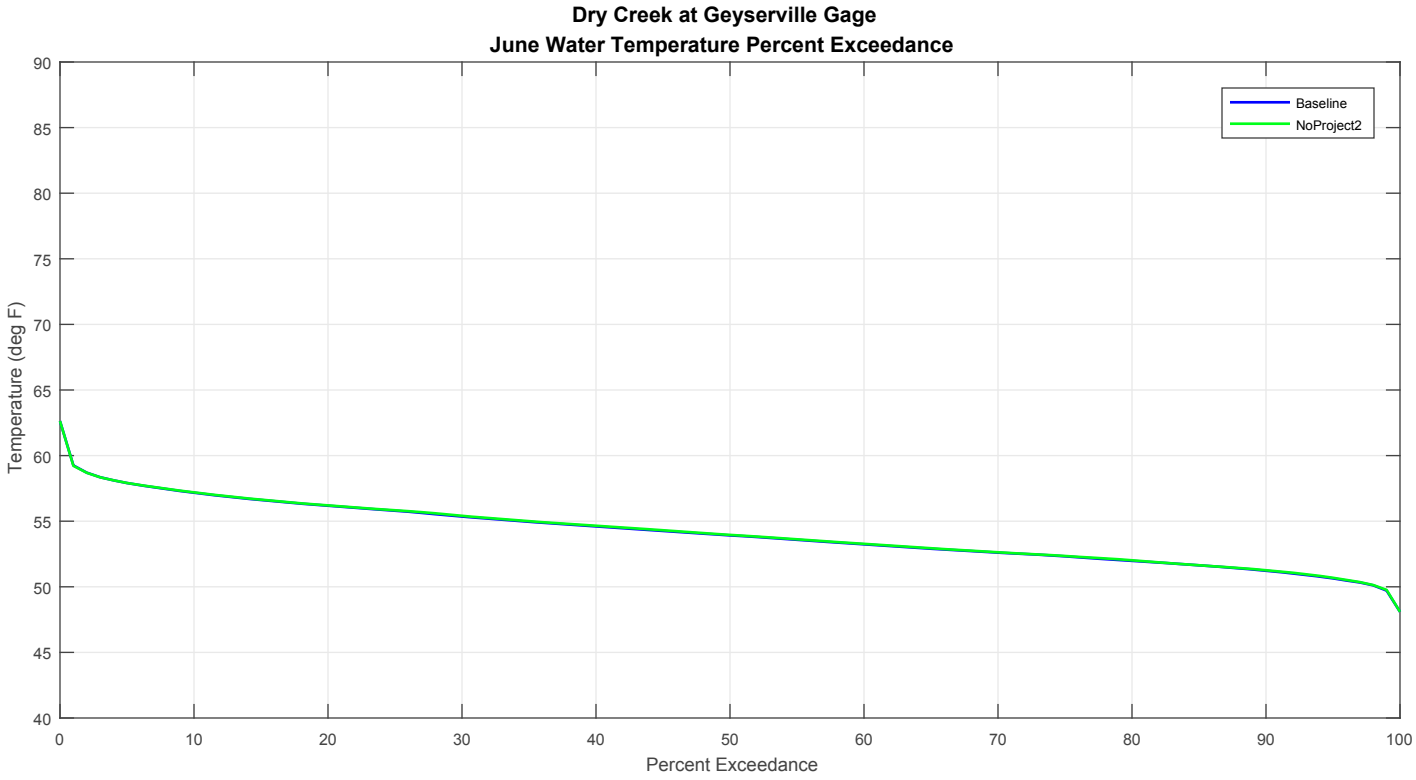
Dry Creek at Geyserville Gage
June Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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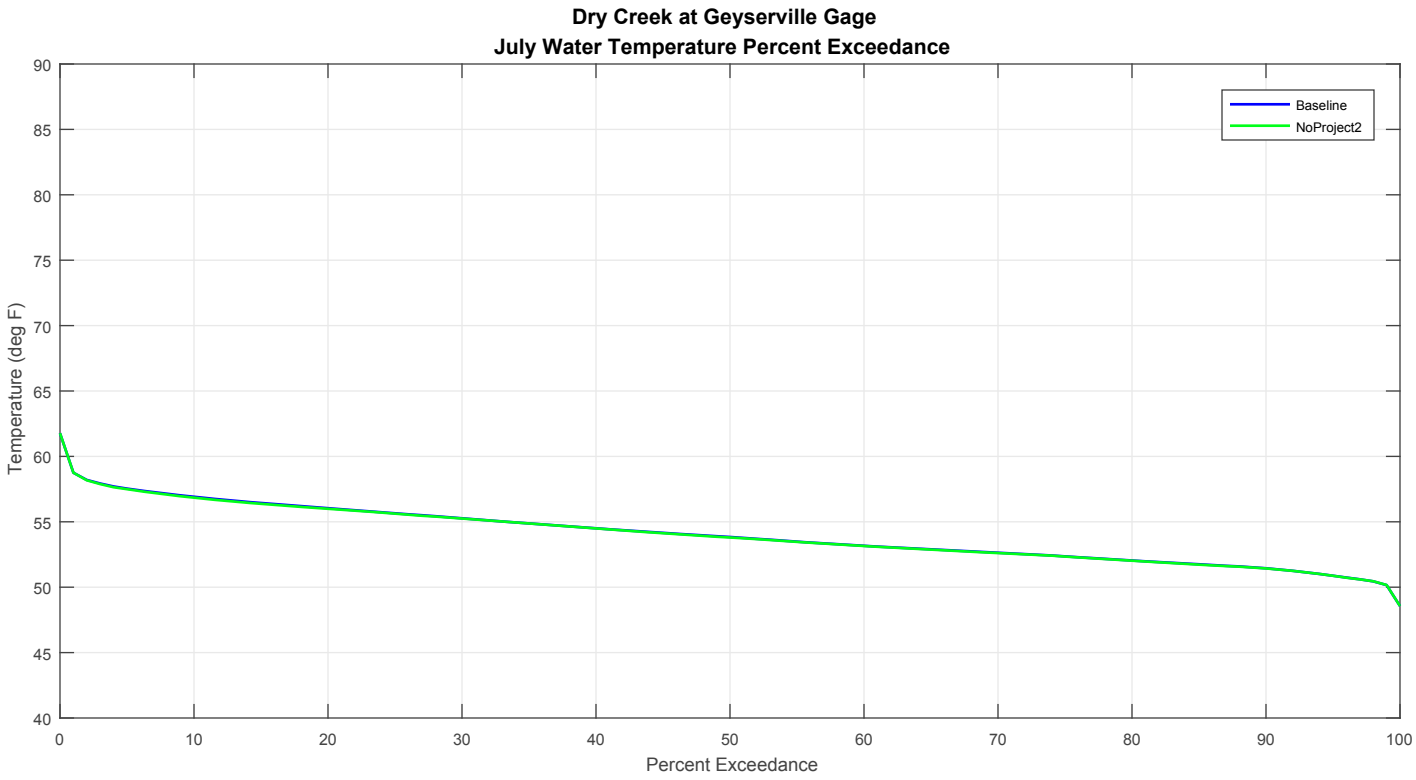
Dry Creek at Geyserville Gage
July Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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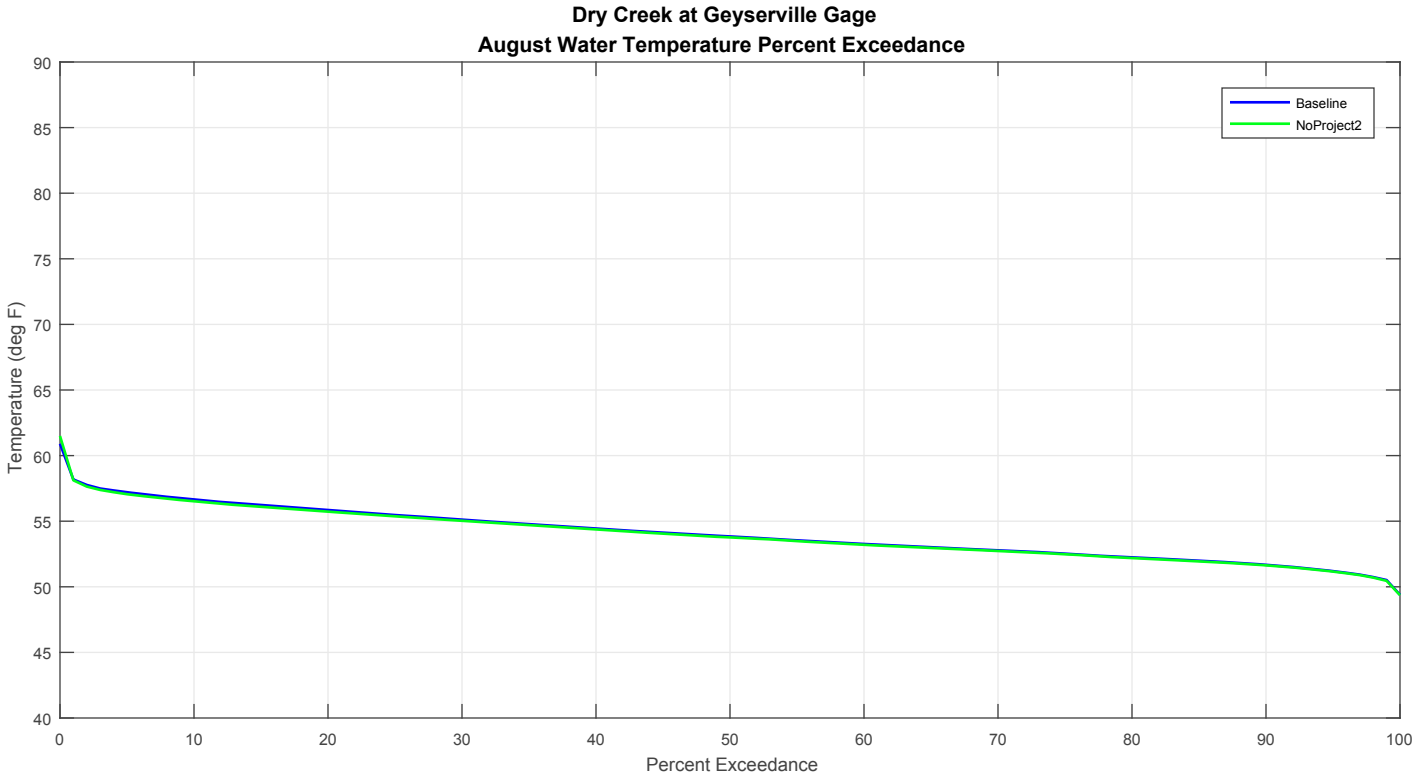
Dry Creek at Geyserville Gage
August Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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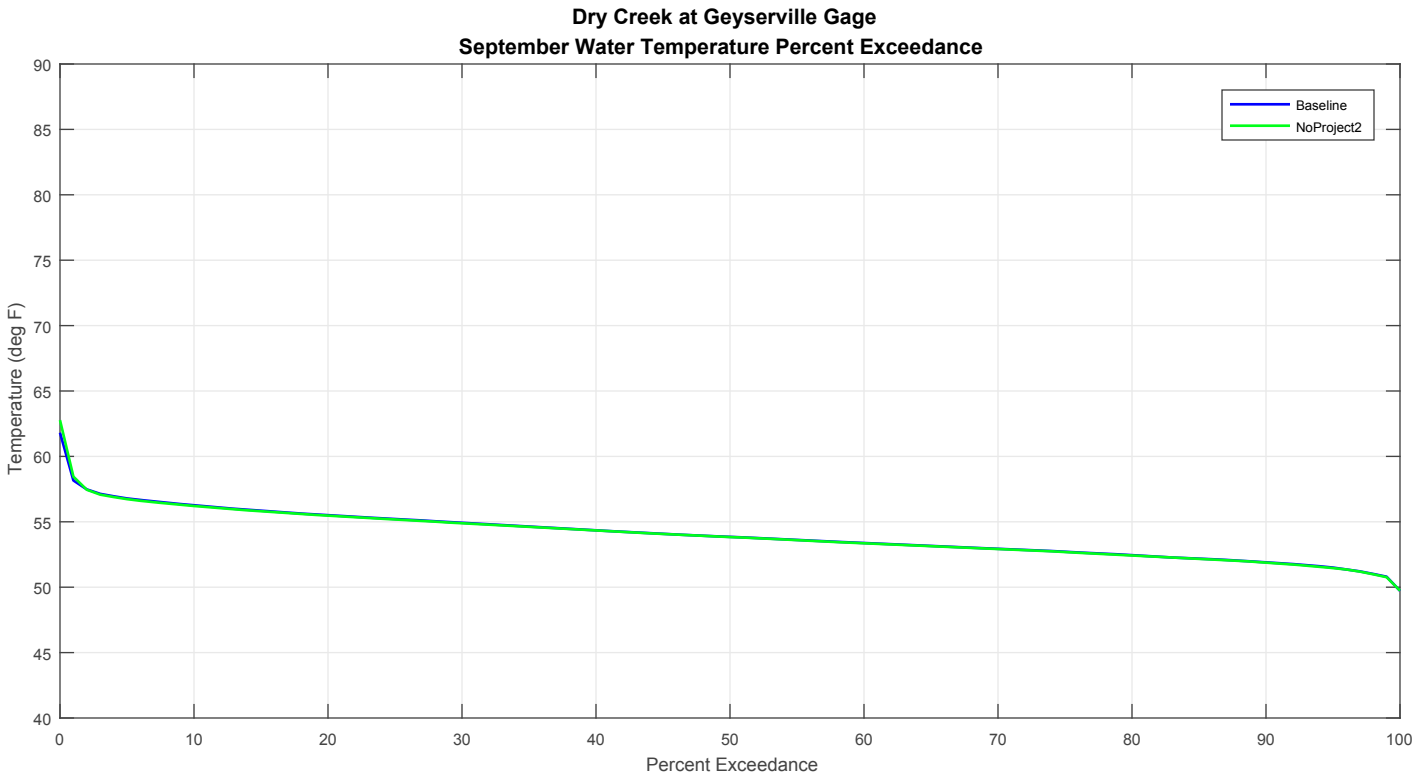
Dry Creek at Geyserville Gage
September Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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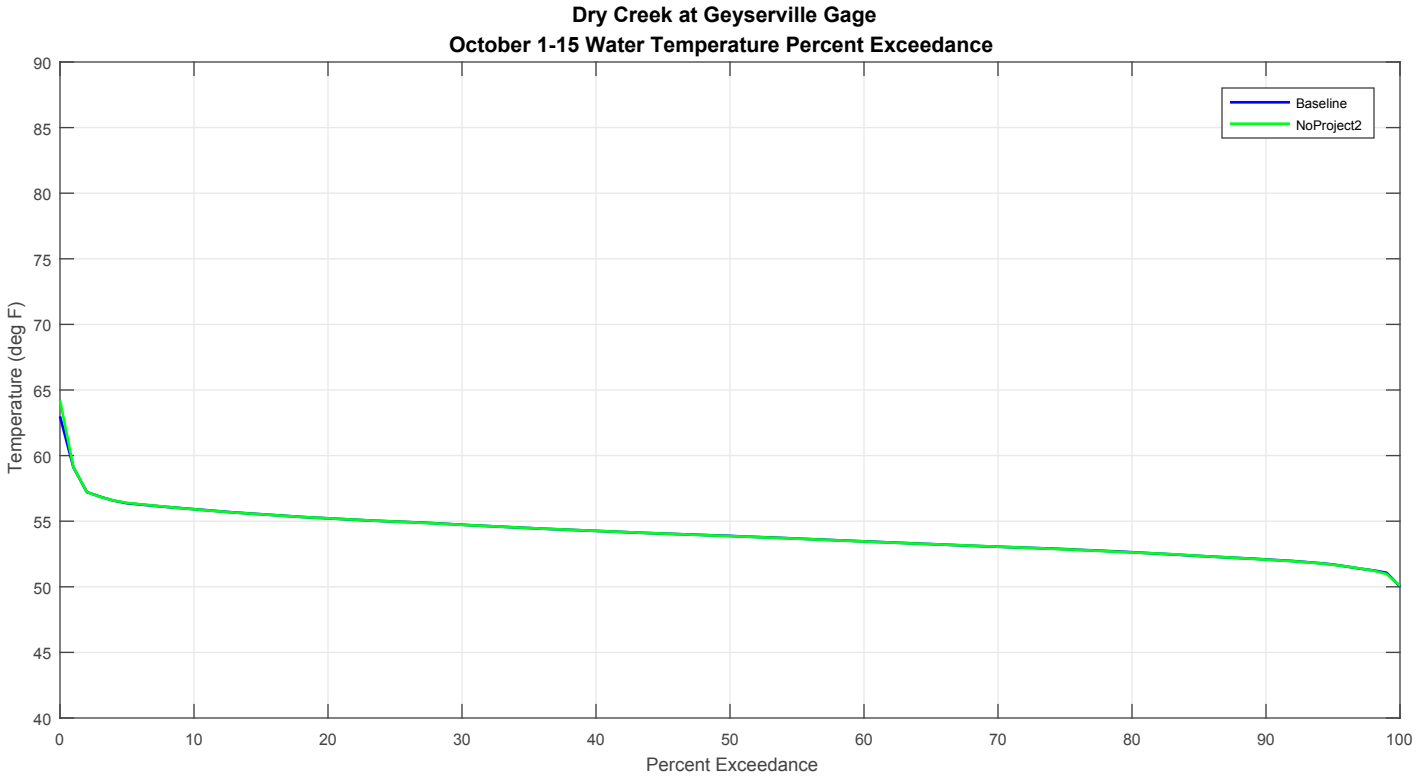
Dry Creek at Geyserville Gage
October 1-15 Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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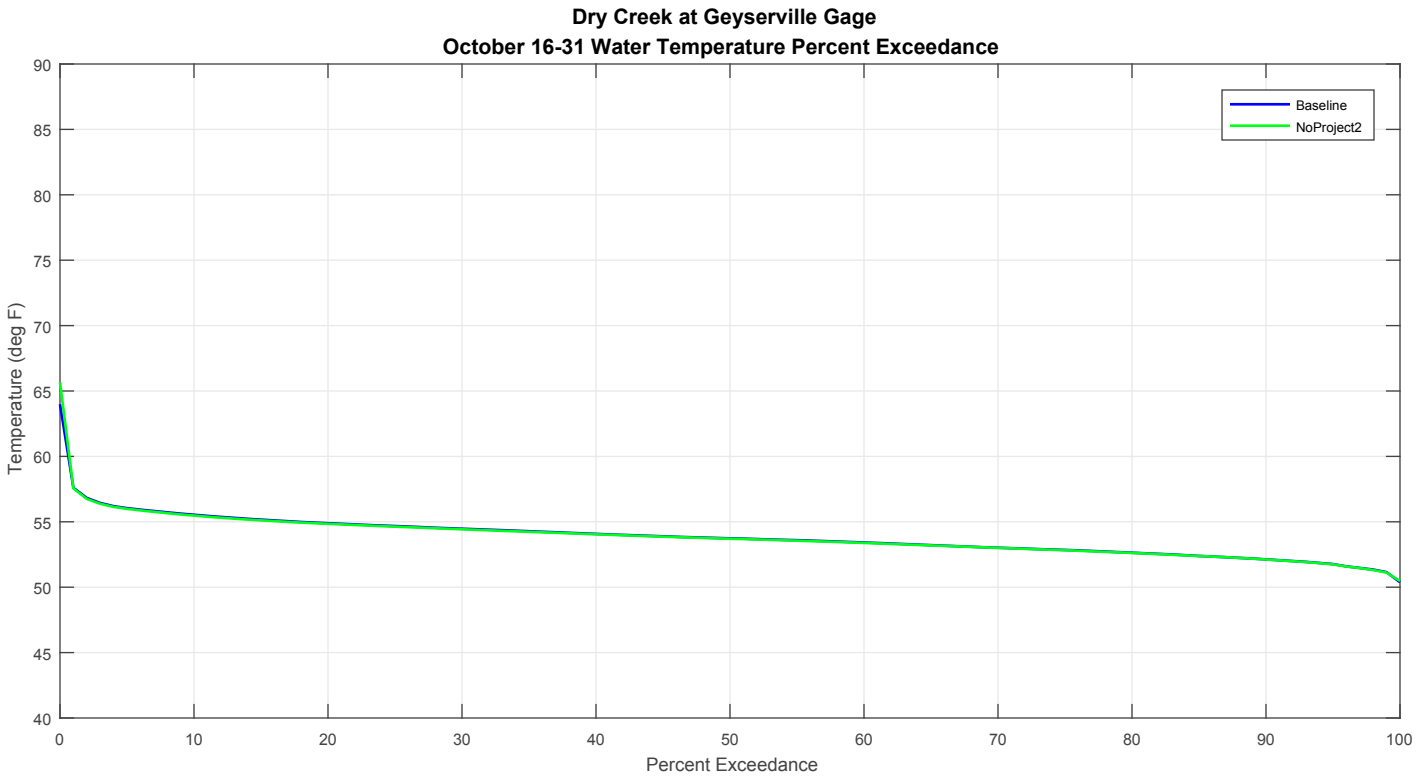
Dry Creek at Geyserville Gage
October 16-31 Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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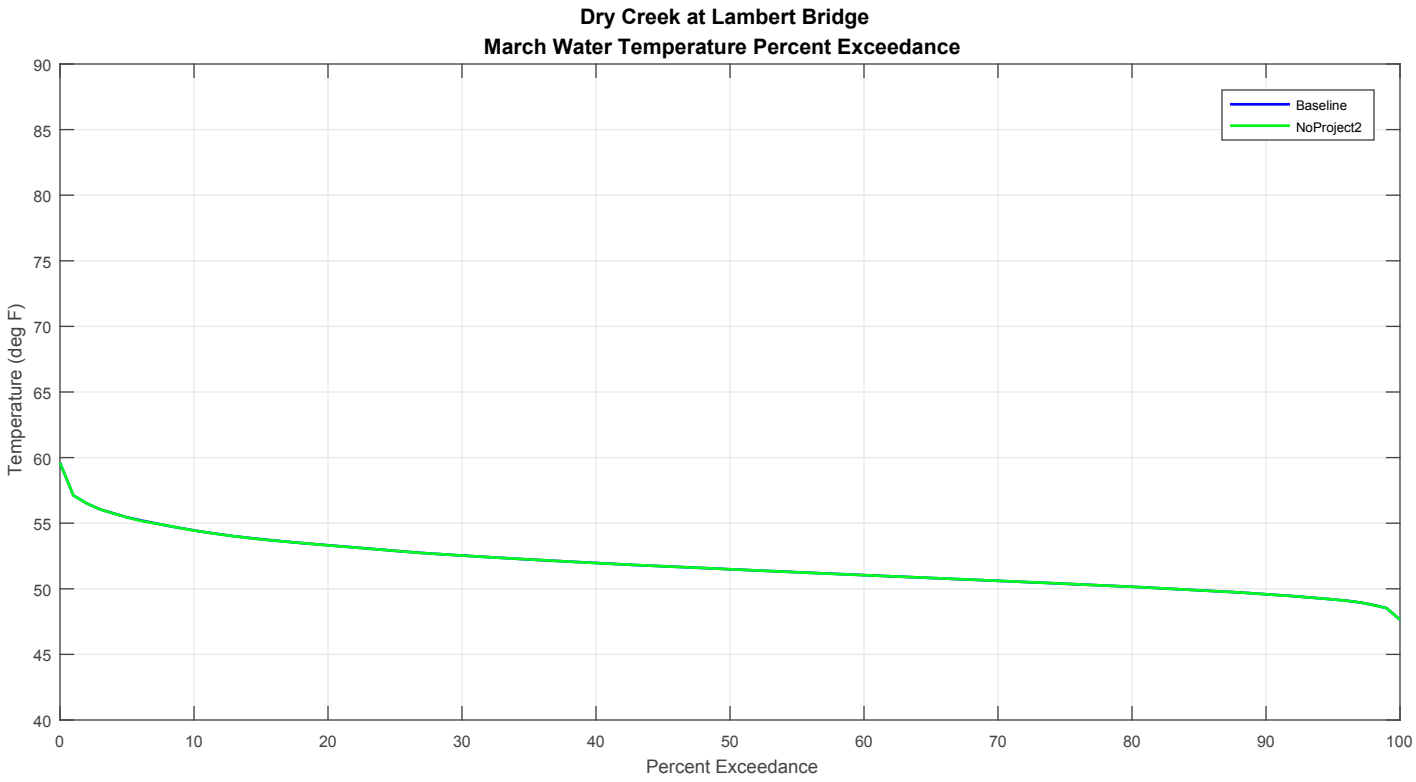
Dry Creek at Lambert Bridge
March Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
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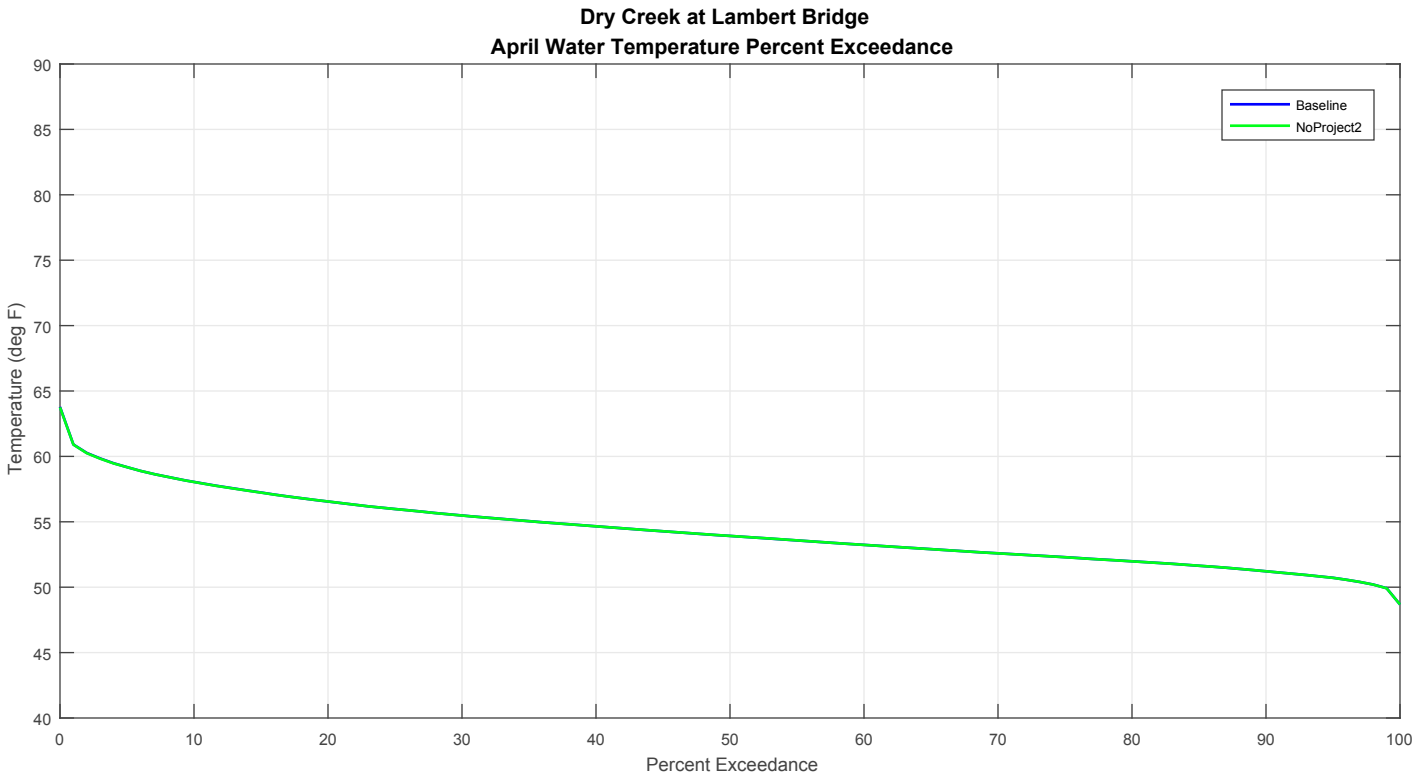
Dry Creek at Lambert Bridge
April Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
90
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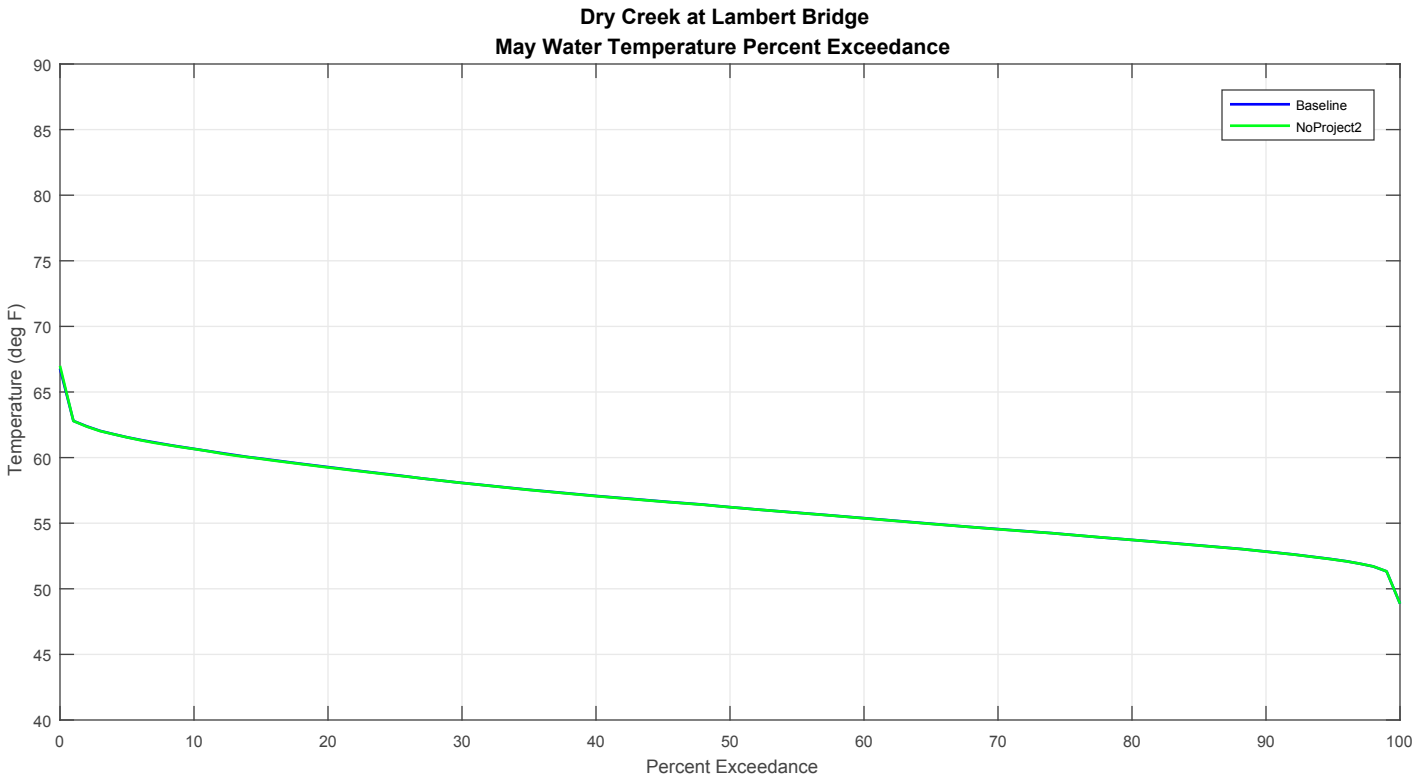
Dry Creek at Lambert Bridge
May Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
90
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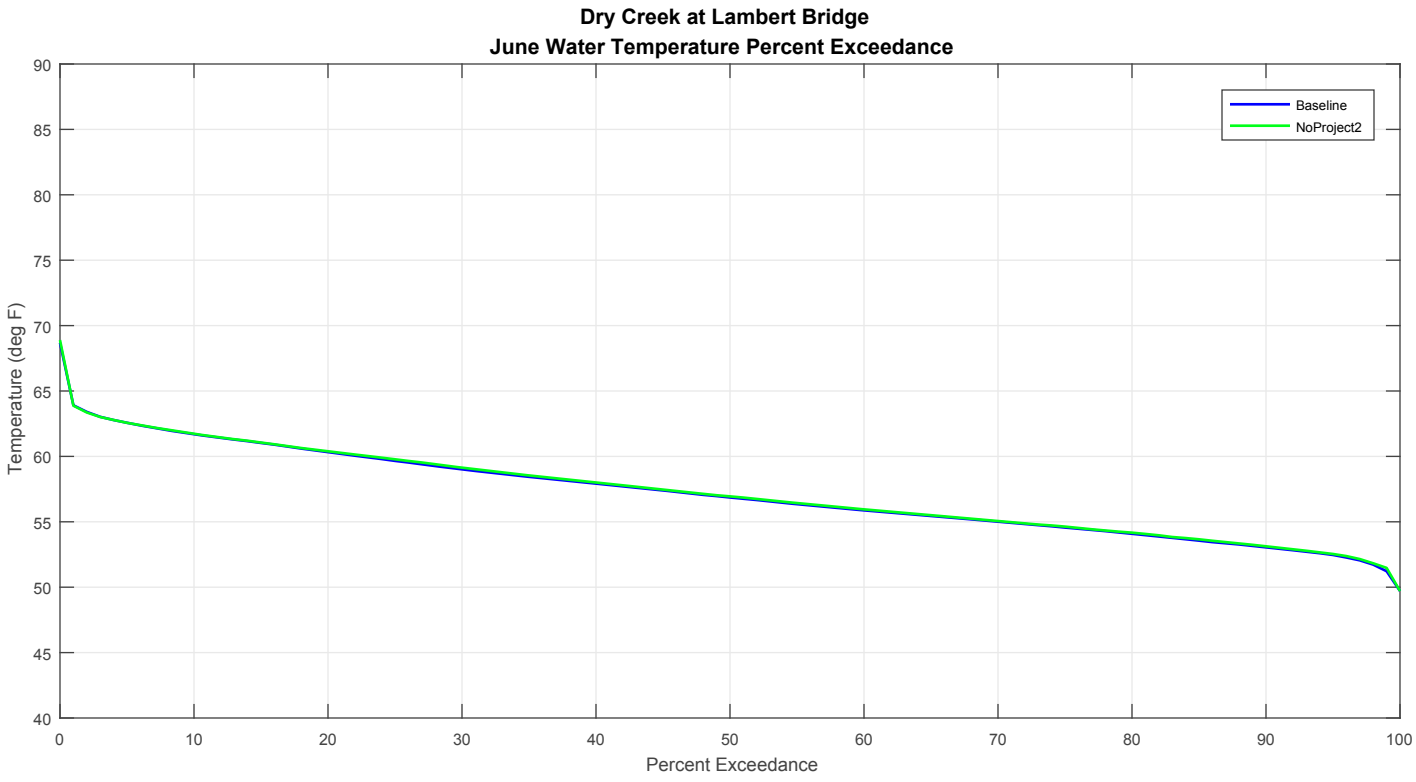
Dry Creek at Lambert Bridge
June Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
90
85
80
75
70
65
60
55
50
45
40
0
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30
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90
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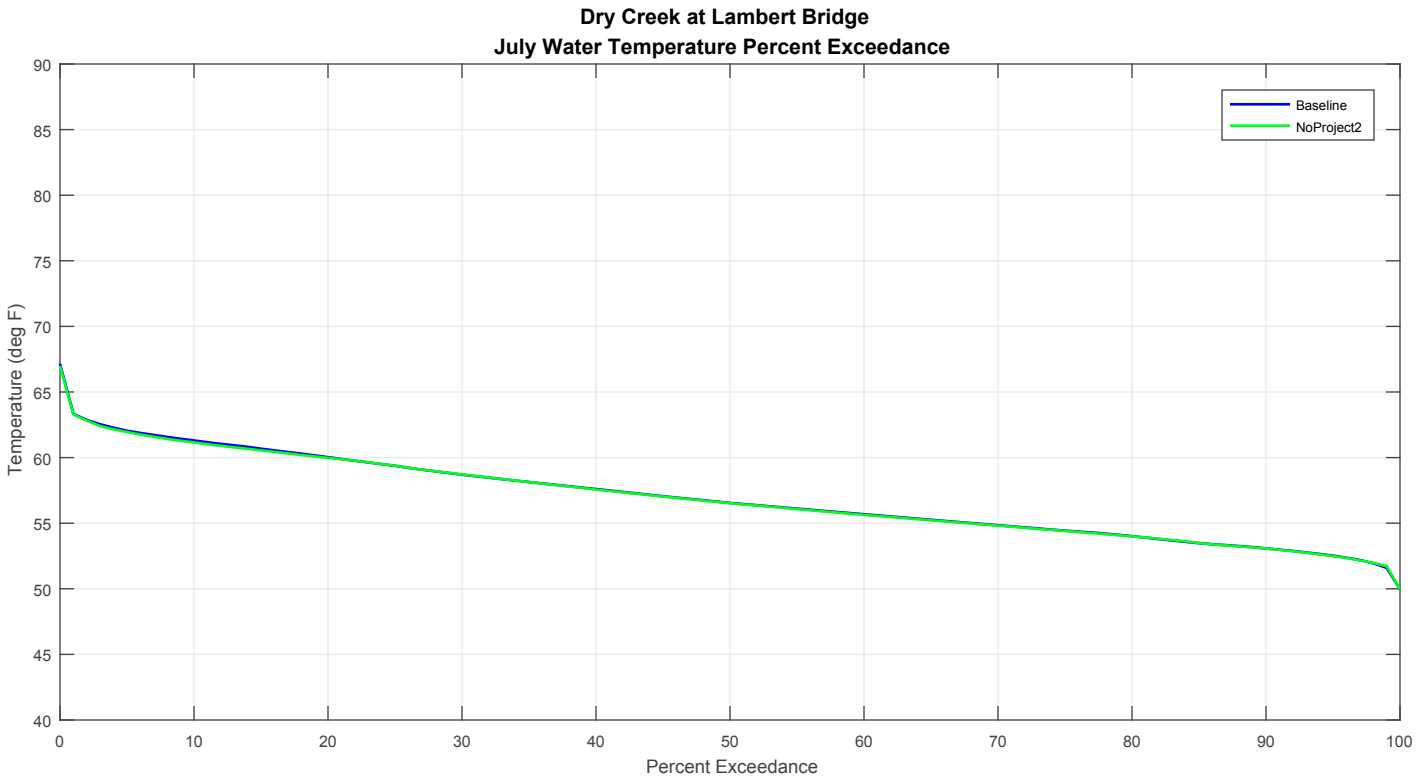
Dry Creek at Lambert Bridge
July Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
90
85
80
75
70
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60
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40
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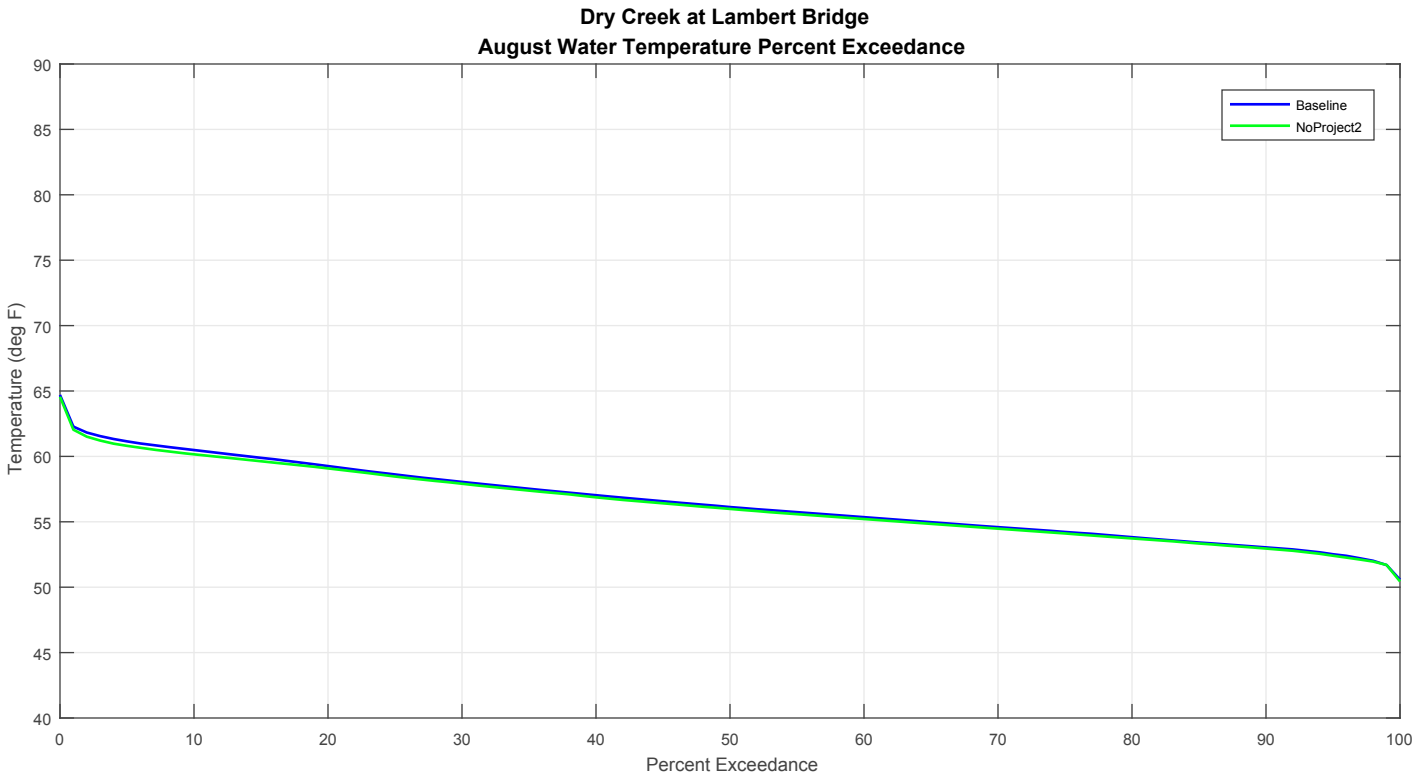
Dry Creek at Lambert Bridge
August Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
90
85
80
75
70
65
60
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45
40
0
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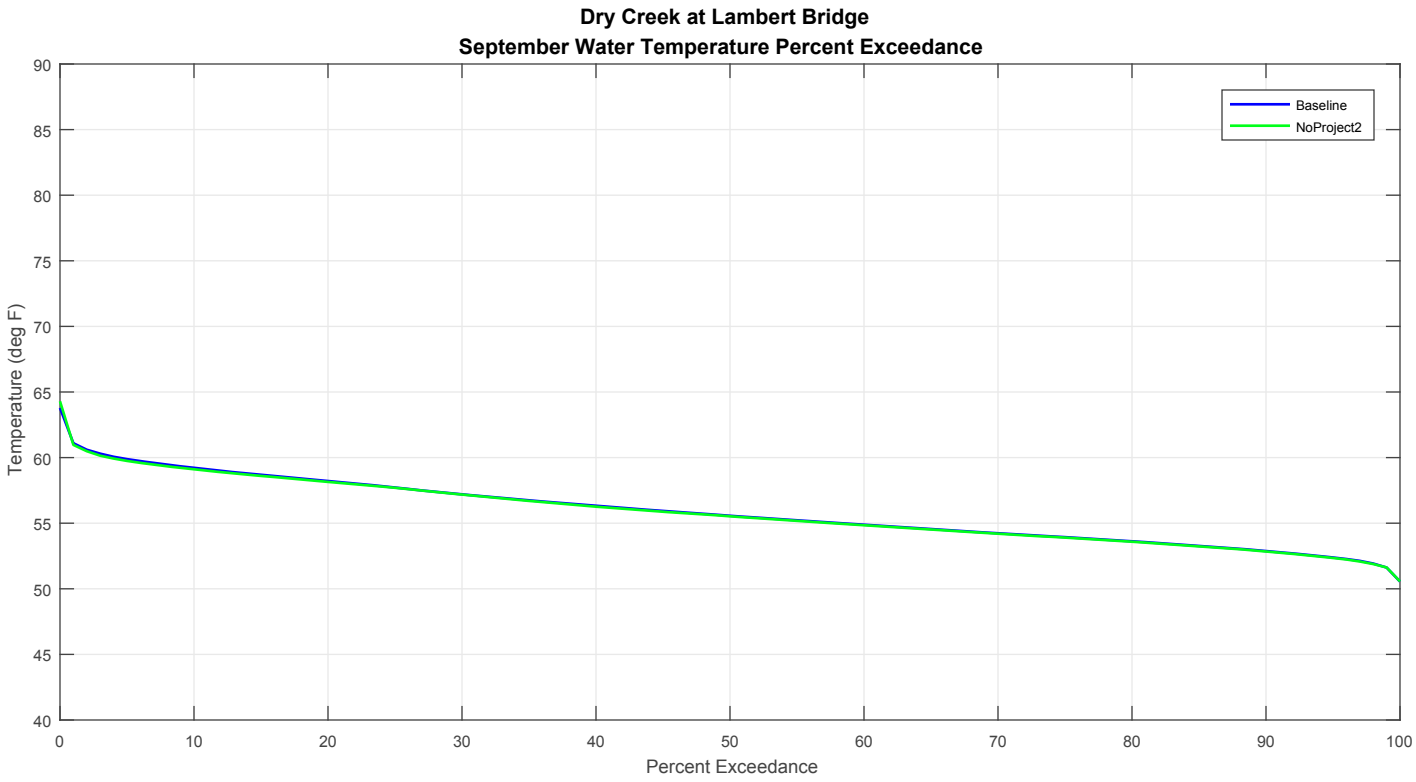
90
100


Dry Creek at Lambert Bridge
September Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
90
85
80
75
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40
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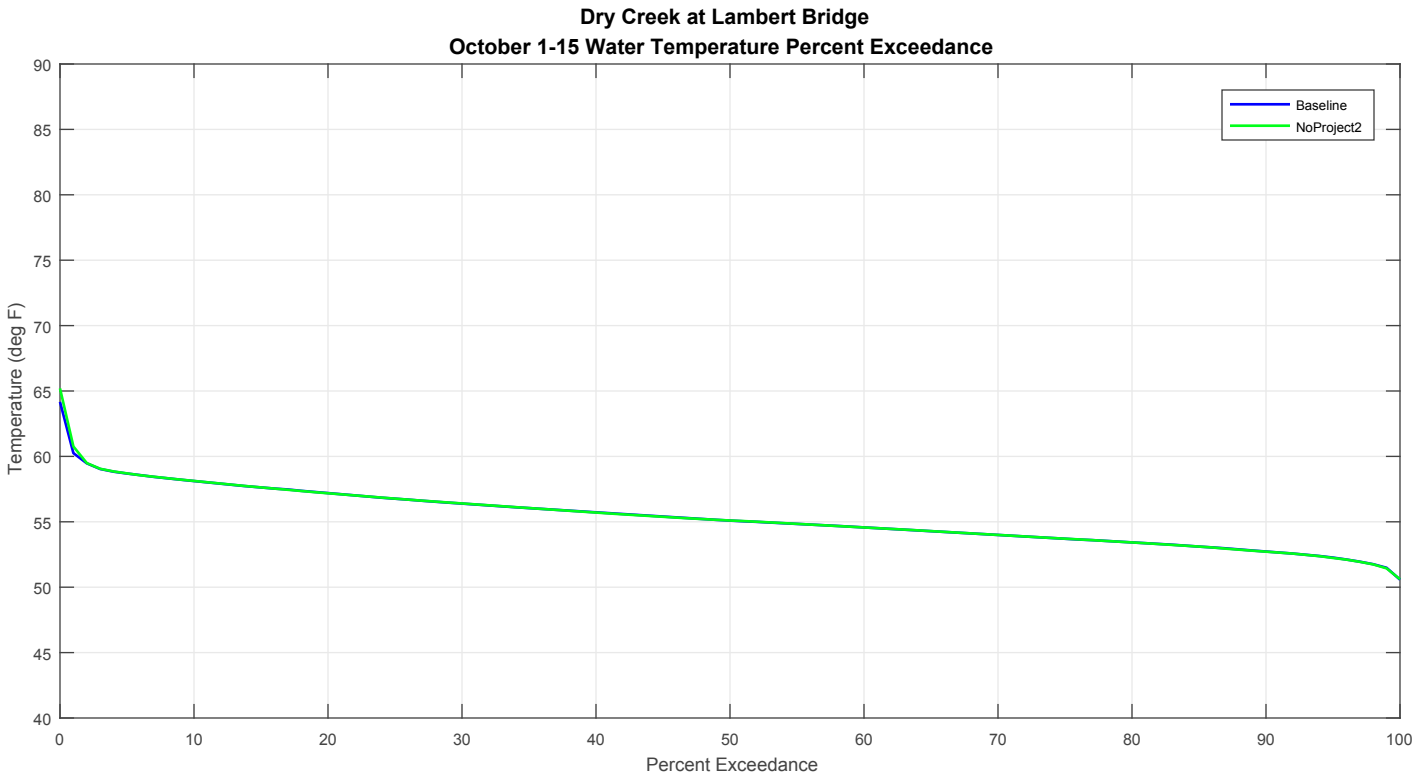
Dry Creek at Lambert Bridge
October 1-15 Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
90
85
80
75
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60
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30
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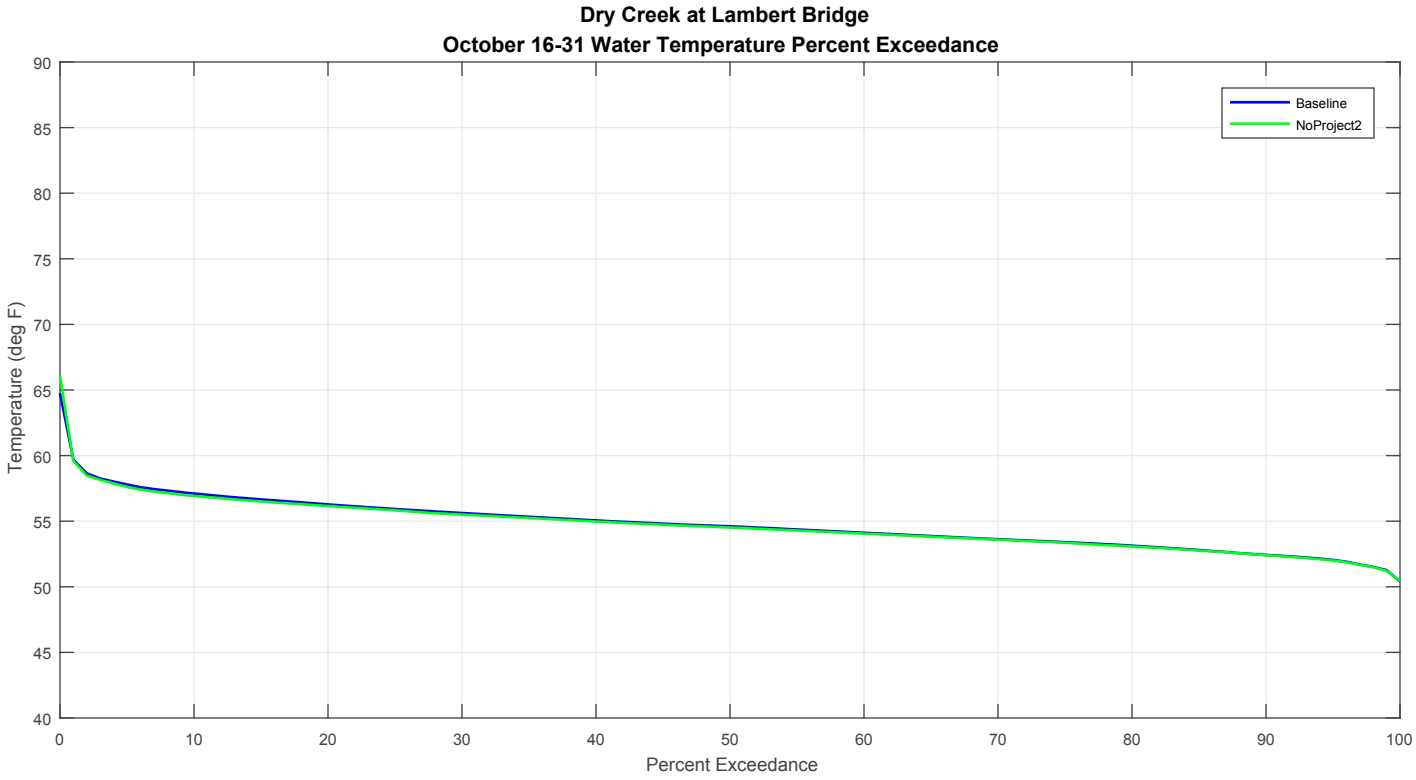
Dry Creek at Lambert Bridge
October 16-31 Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
90
85
80
75
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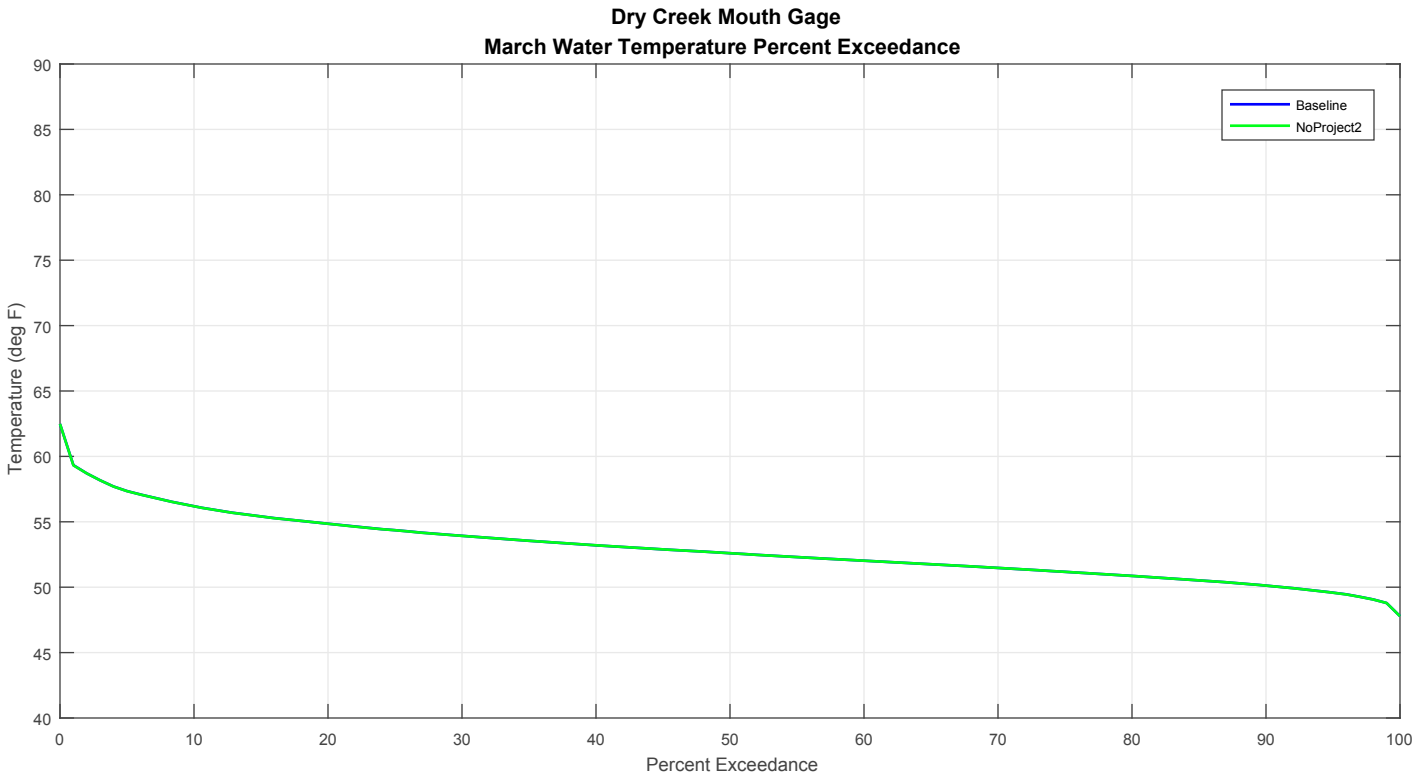
Dry Creek Mouth Gage
March Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
90
85
80
75
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60
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40
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30
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90
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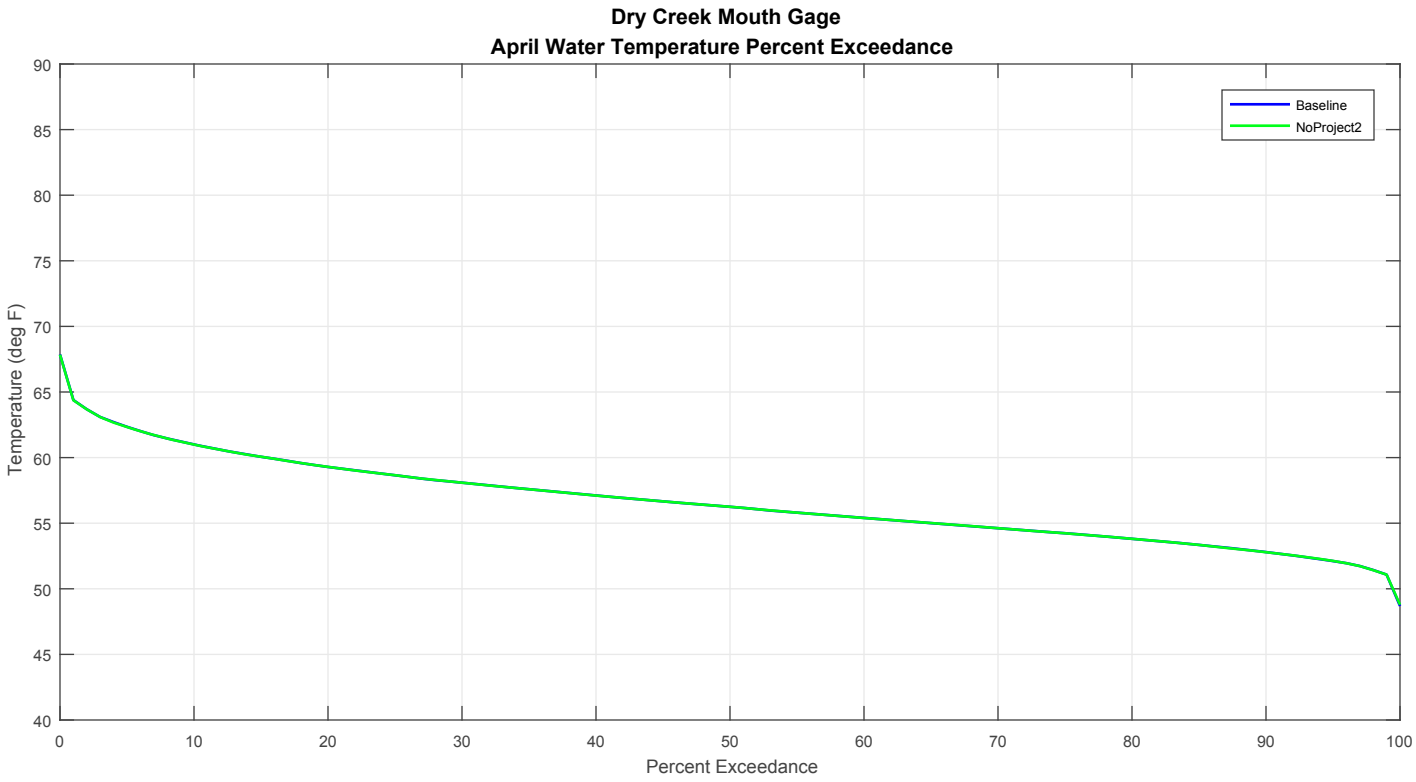
Dry Creek Mouth Gage
April Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
90
85
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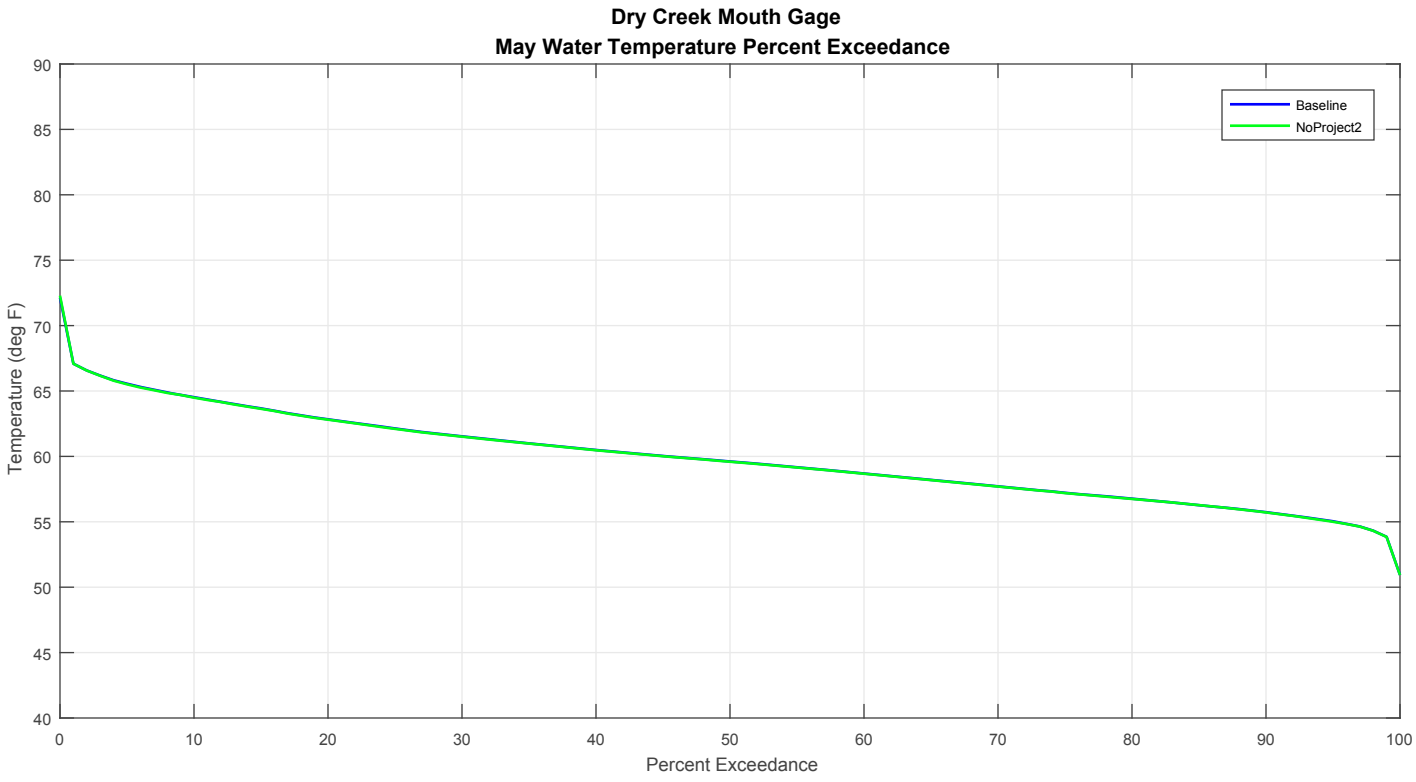
Dry Creek Mouth Gage
May Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
90
85
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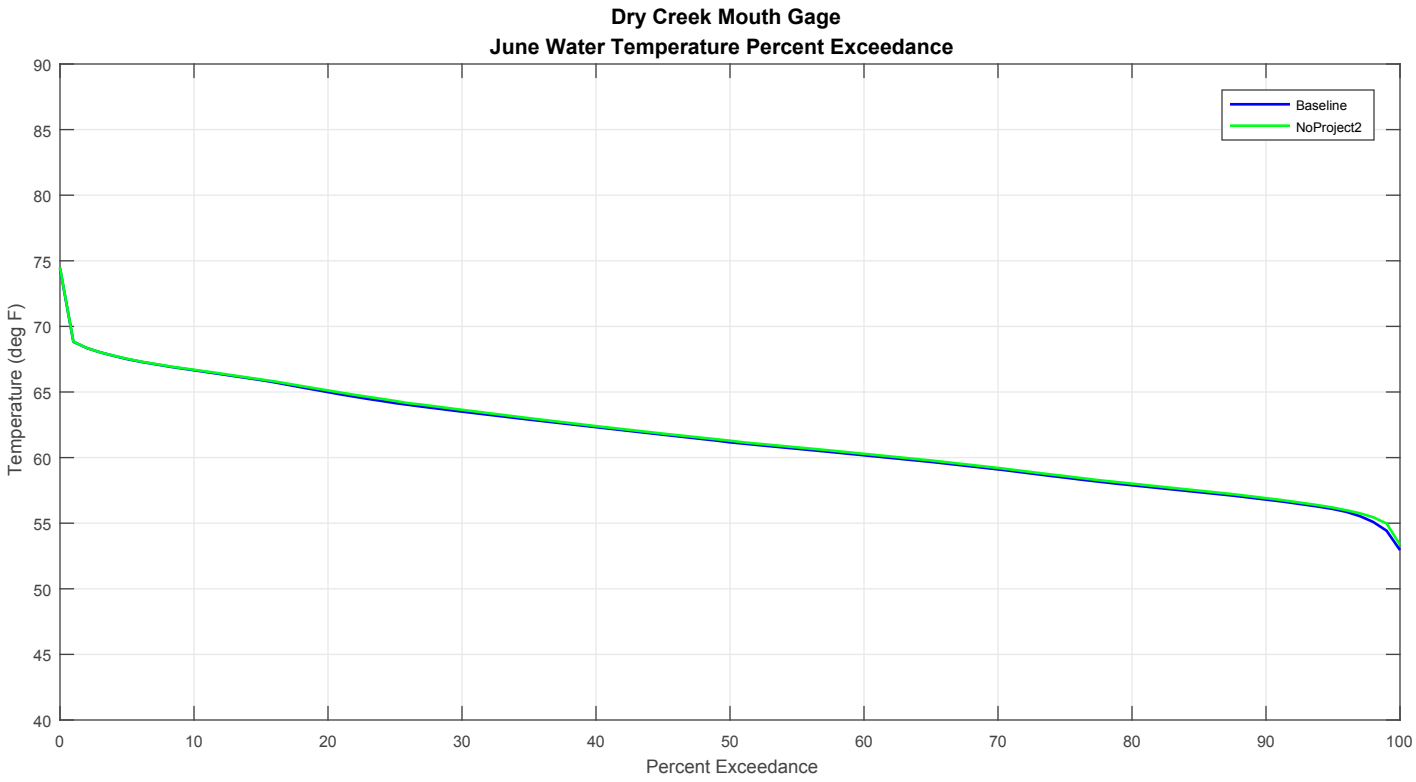
Dry Creek Mouth Gage
June Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
90
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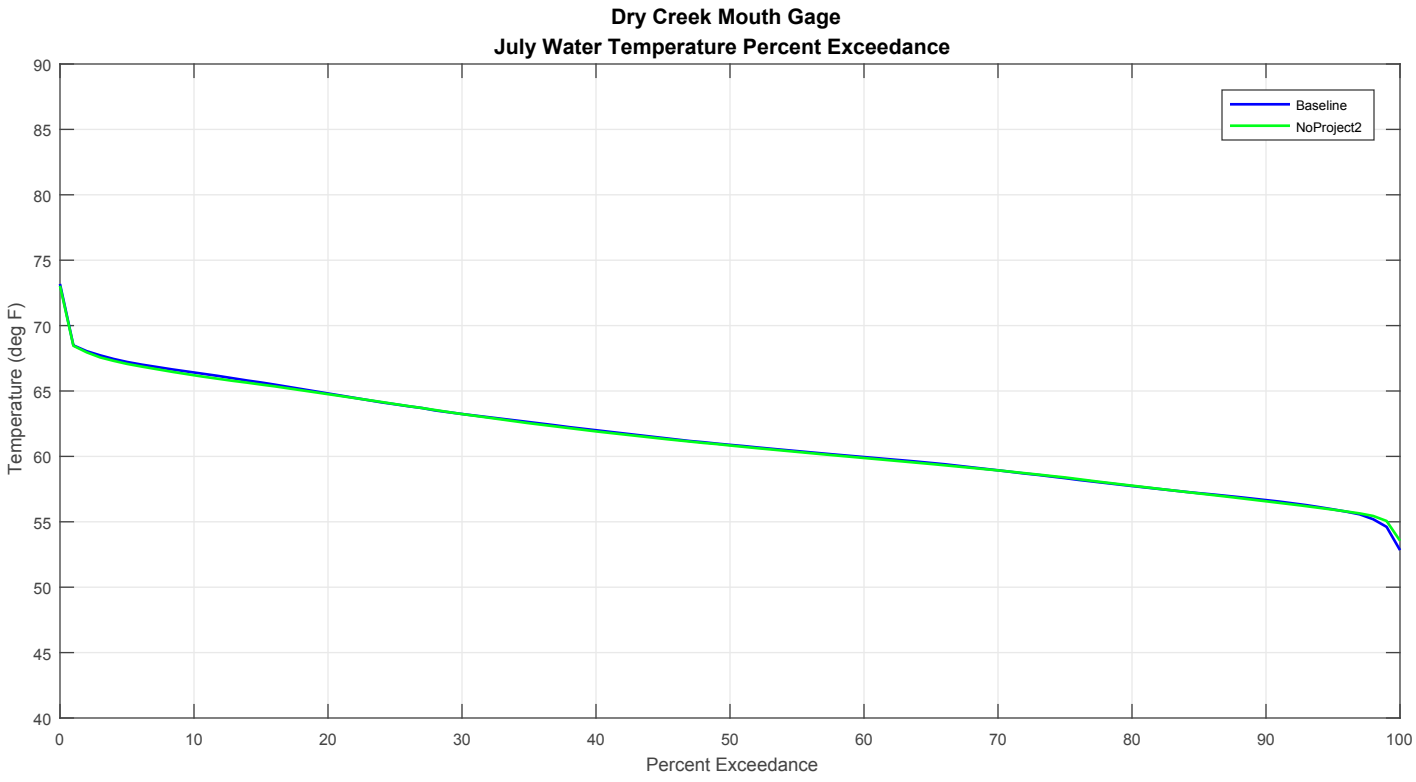
Dry Creek Mouth Gage
July Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
90
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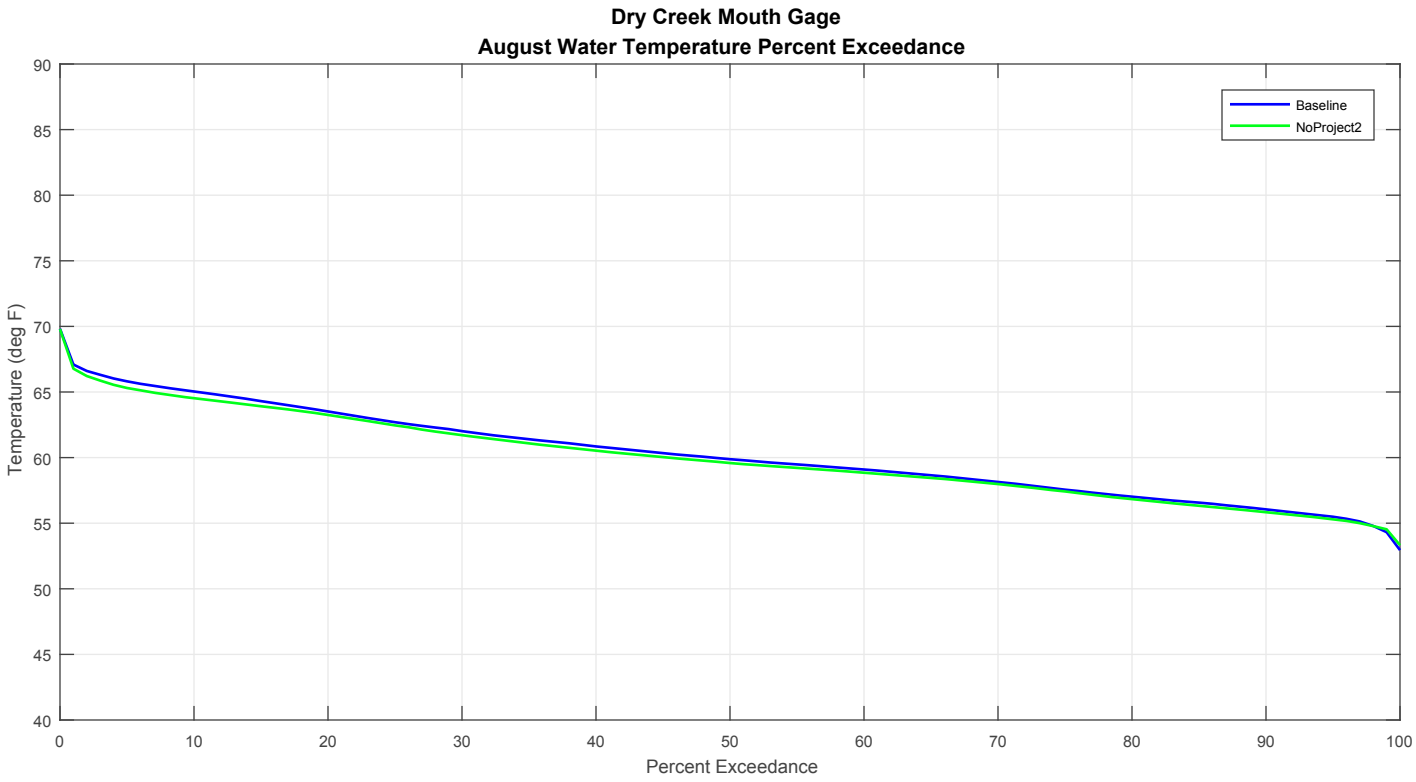
Dry Creek Mouth Gage
August Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
90
85
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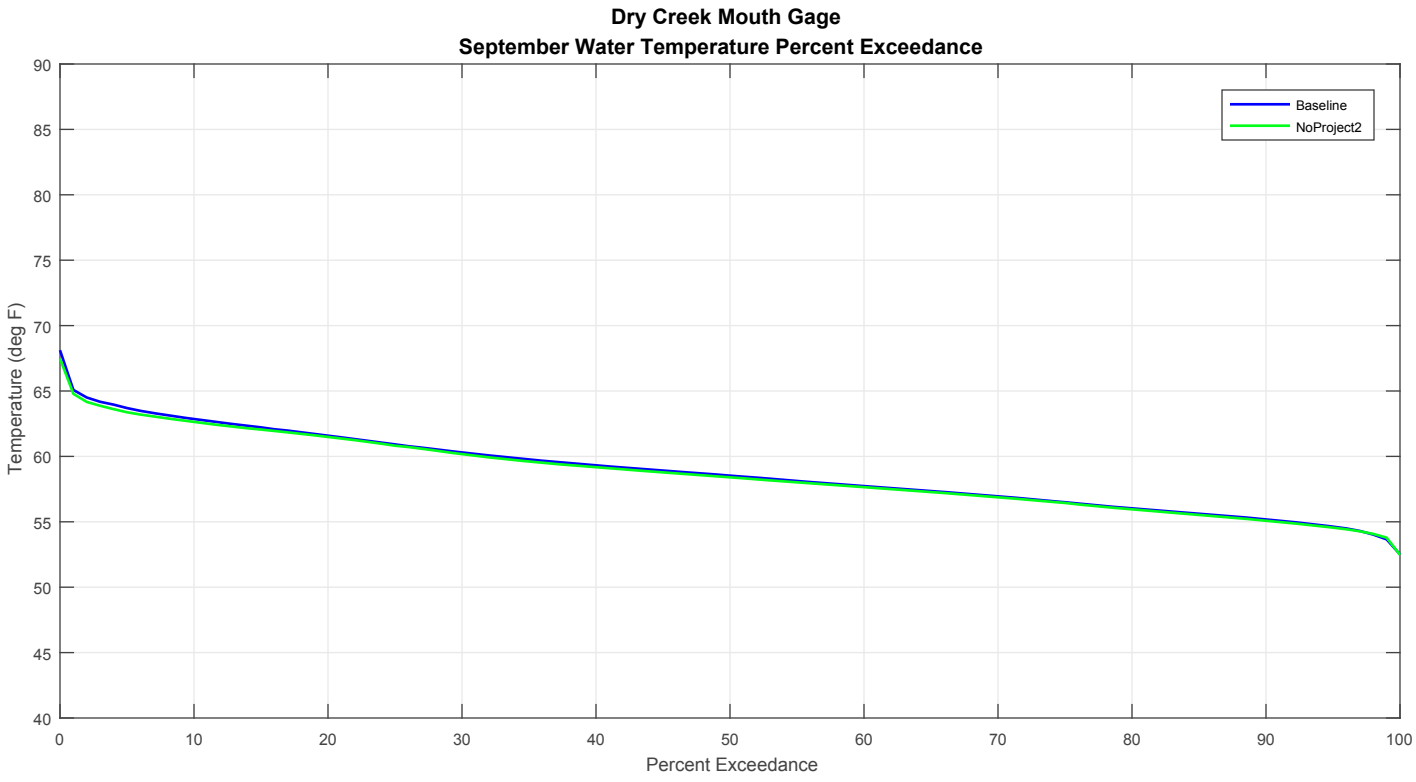
Dry Creek Mouth Gage
September Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
90
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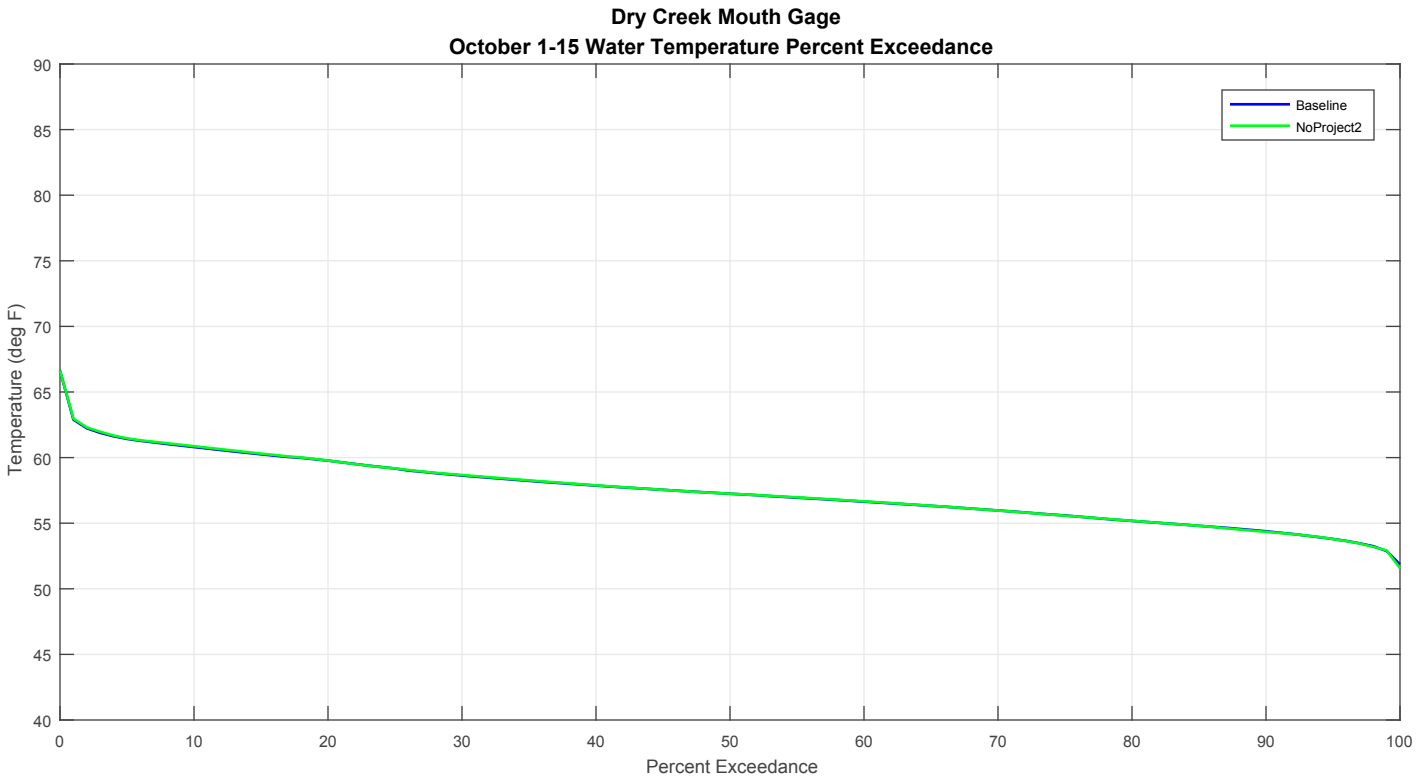
Dry Creek Mouth Gage
October 1-15 Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
90
85
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60
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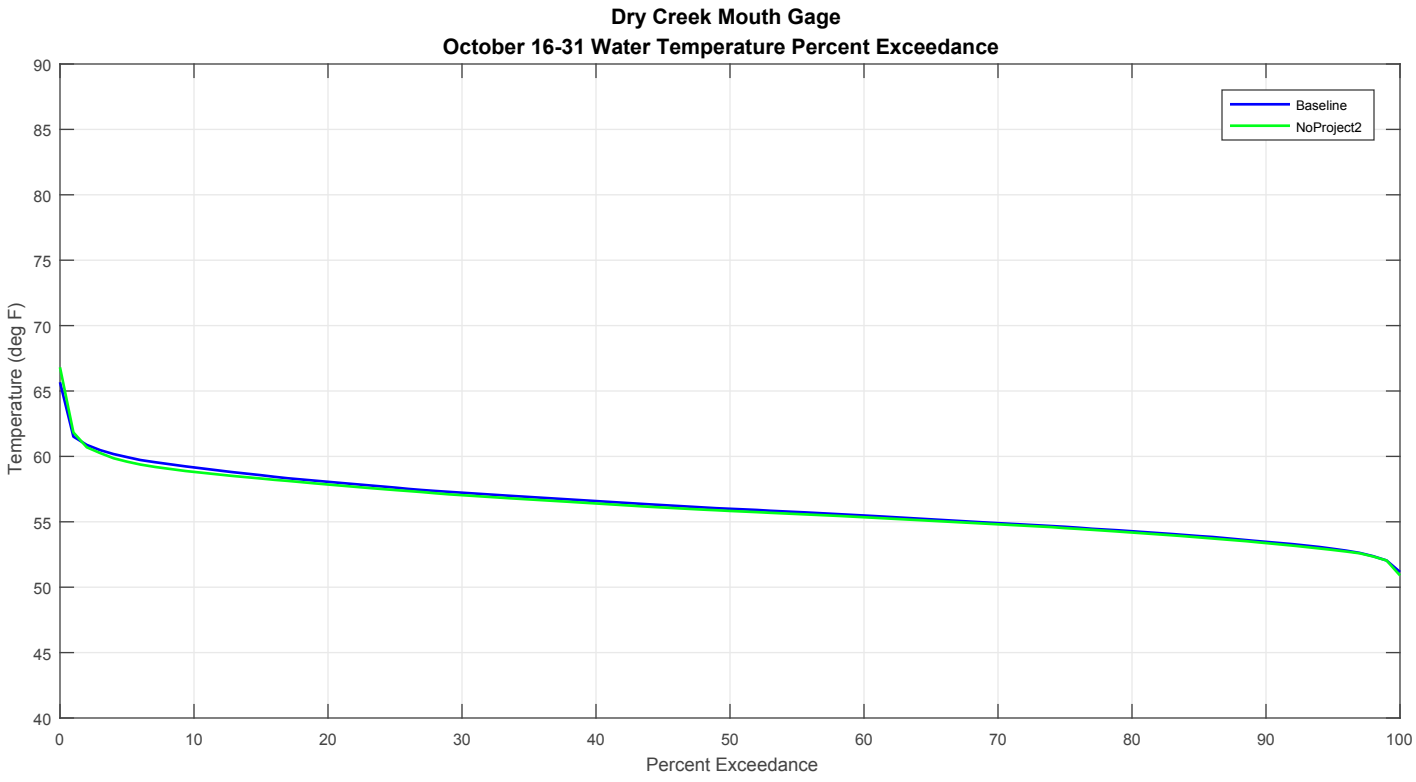
100


Dry Creek Mouth Gage
October 16-31 Water Temperature Percent Exceedance
Baseline
NoProject2
Temperature (deg F)
Percent Exceedance
90
85
80
75
70
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60
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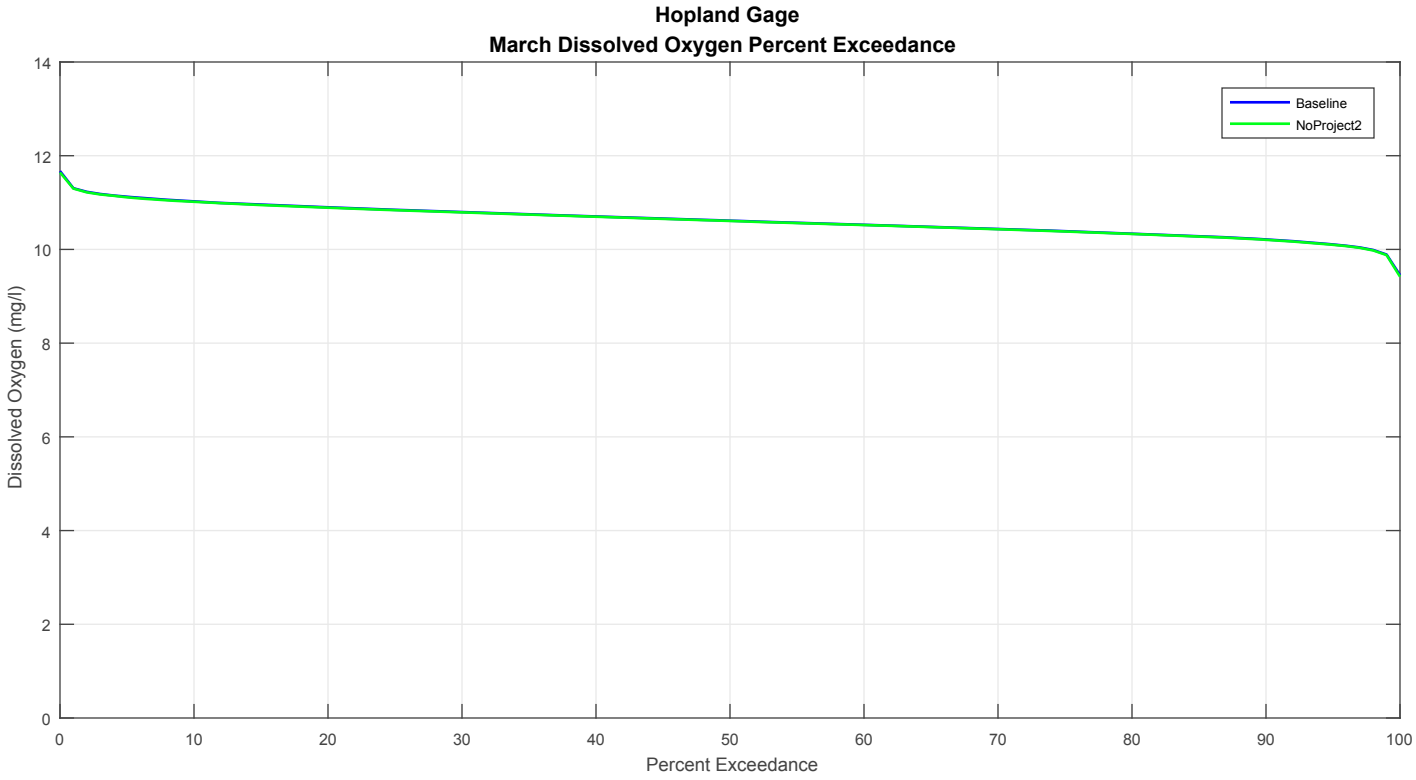
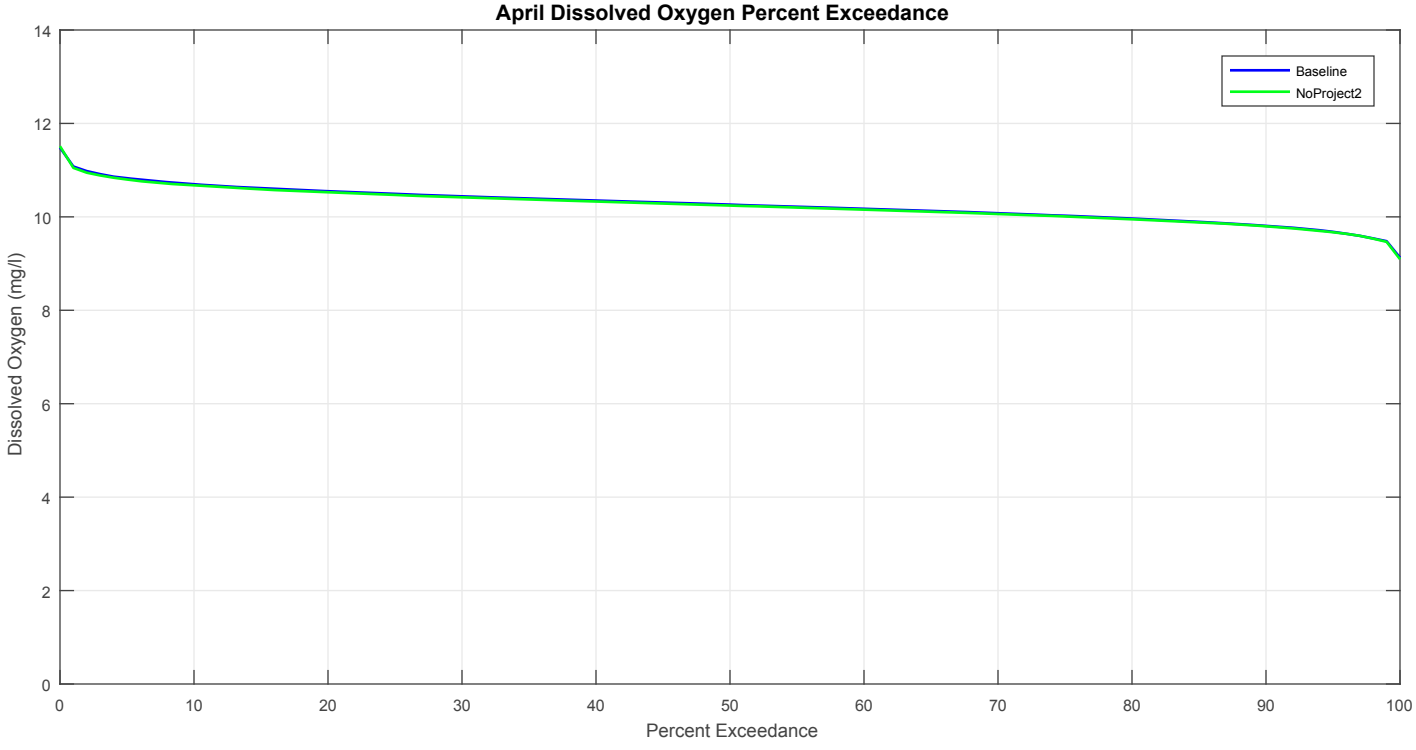

Hopland Gage
March Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
14
0
10
20
30
40
50
60
70
80
90
100


Hopland Gage
April Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
14
0
10
20
30
40
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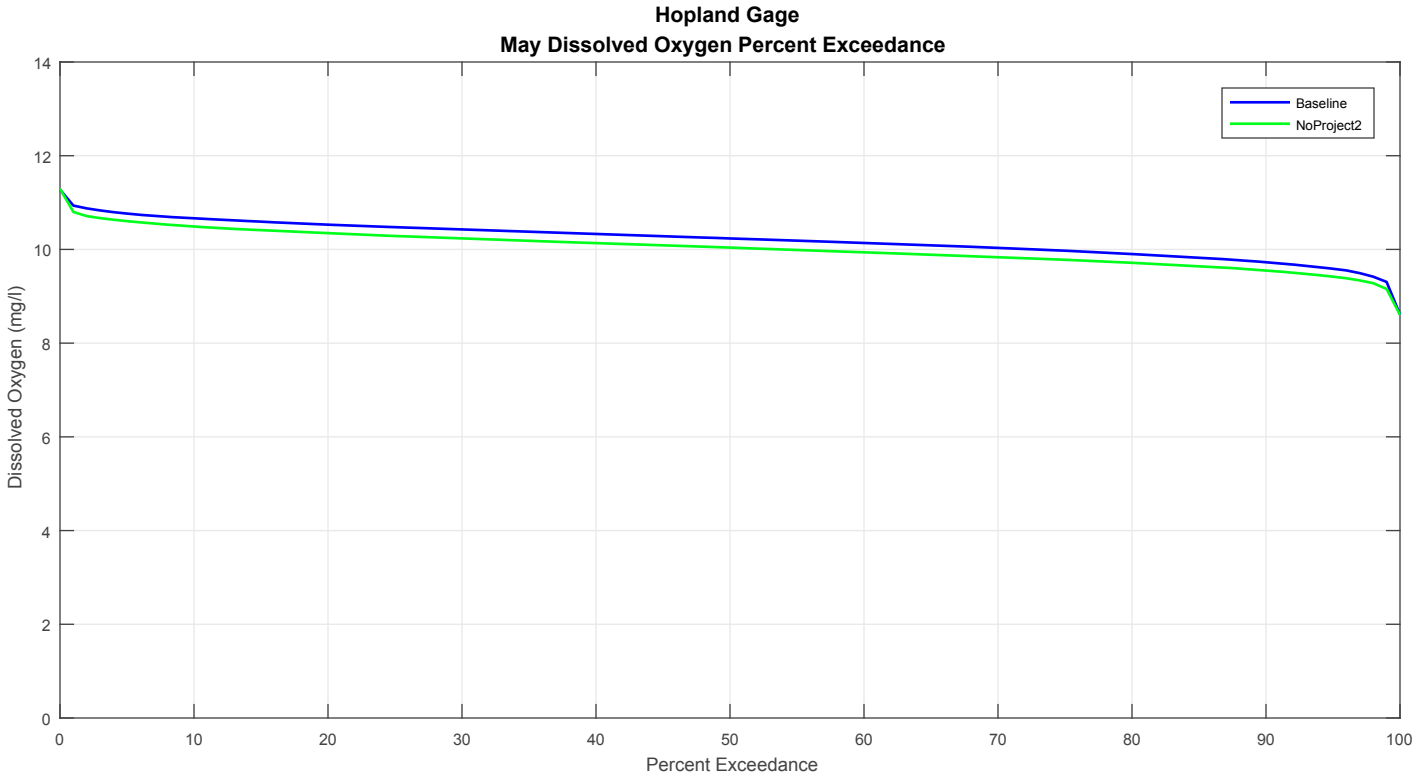
70
80
90
100


Hopland Gage
May Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
0
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10
12
14
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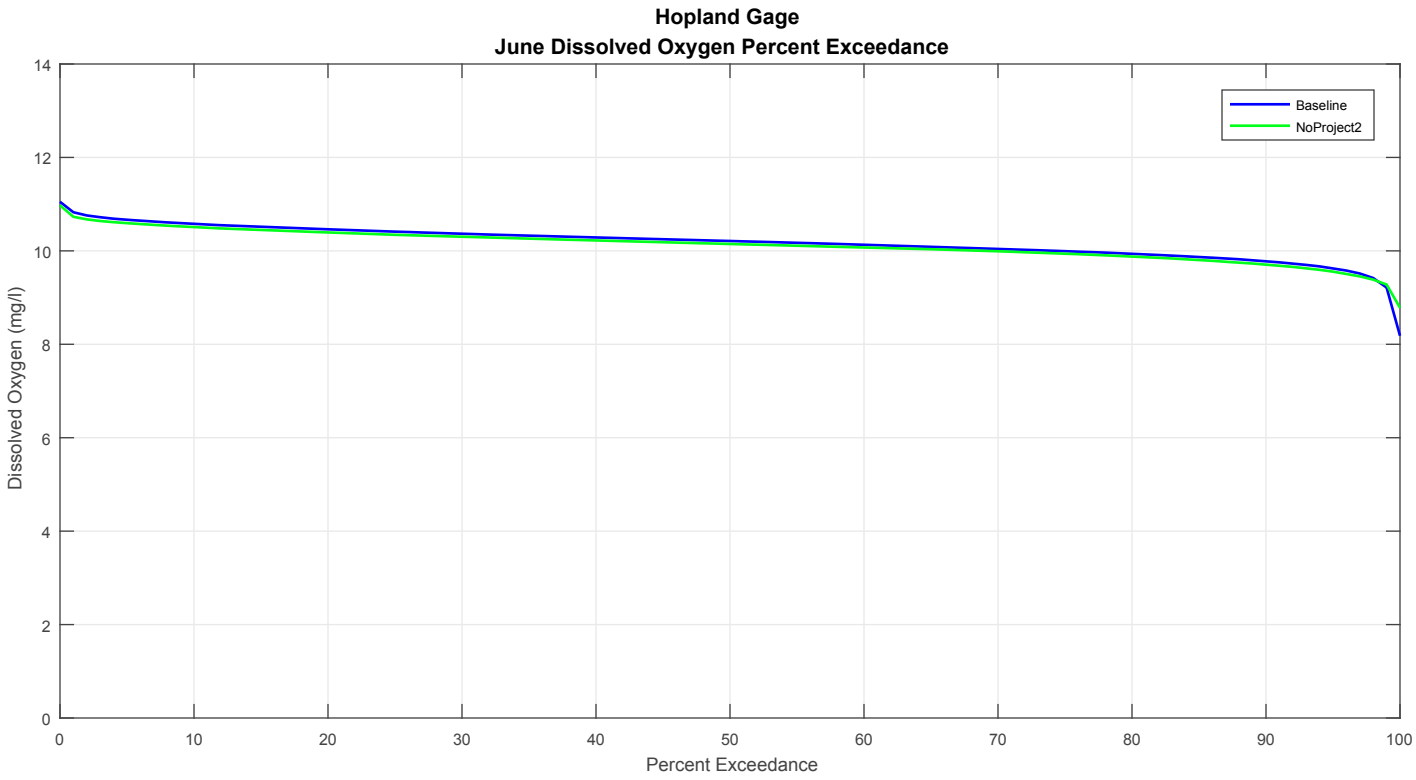
Hopland Gage
June Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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2
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10
12
14
0
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20
30
40
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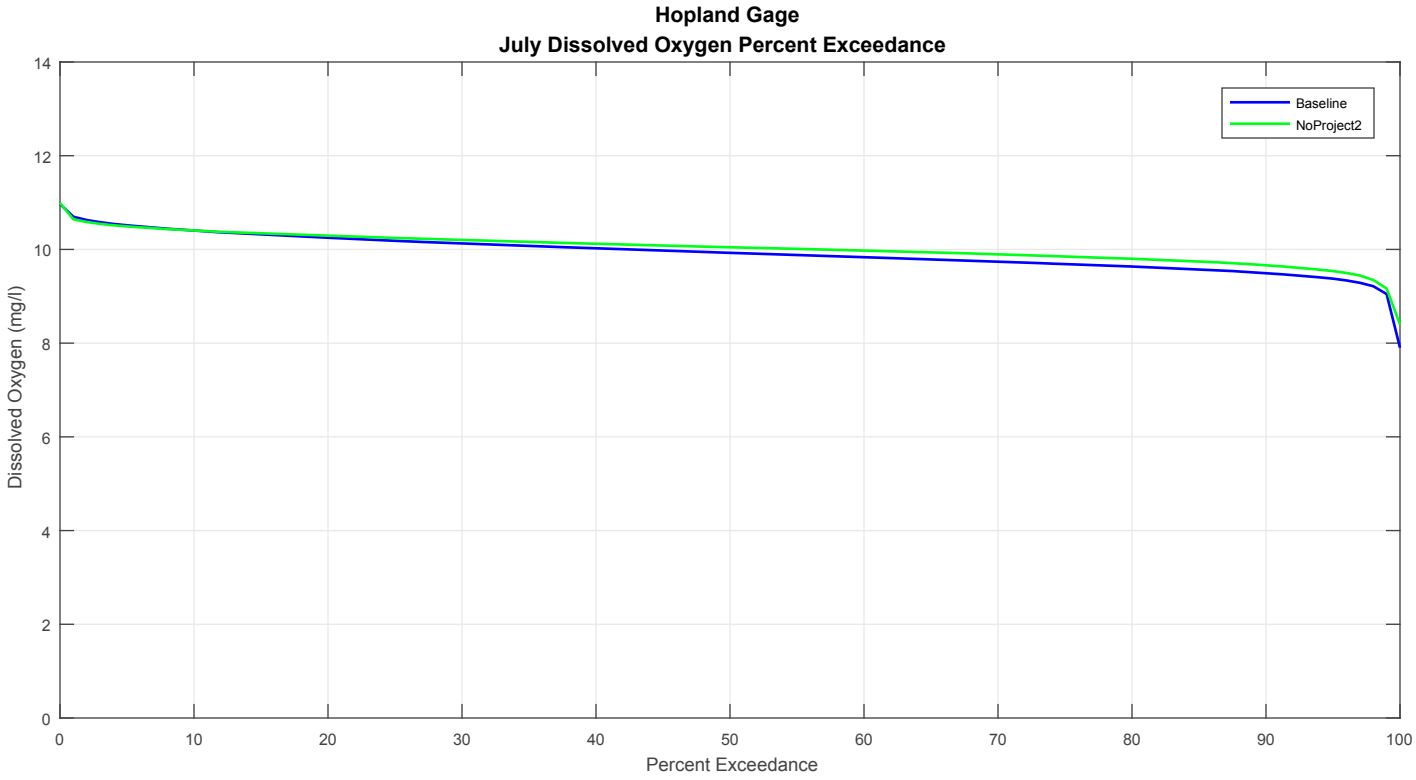
90
100


Hopland Gage
July Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
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12
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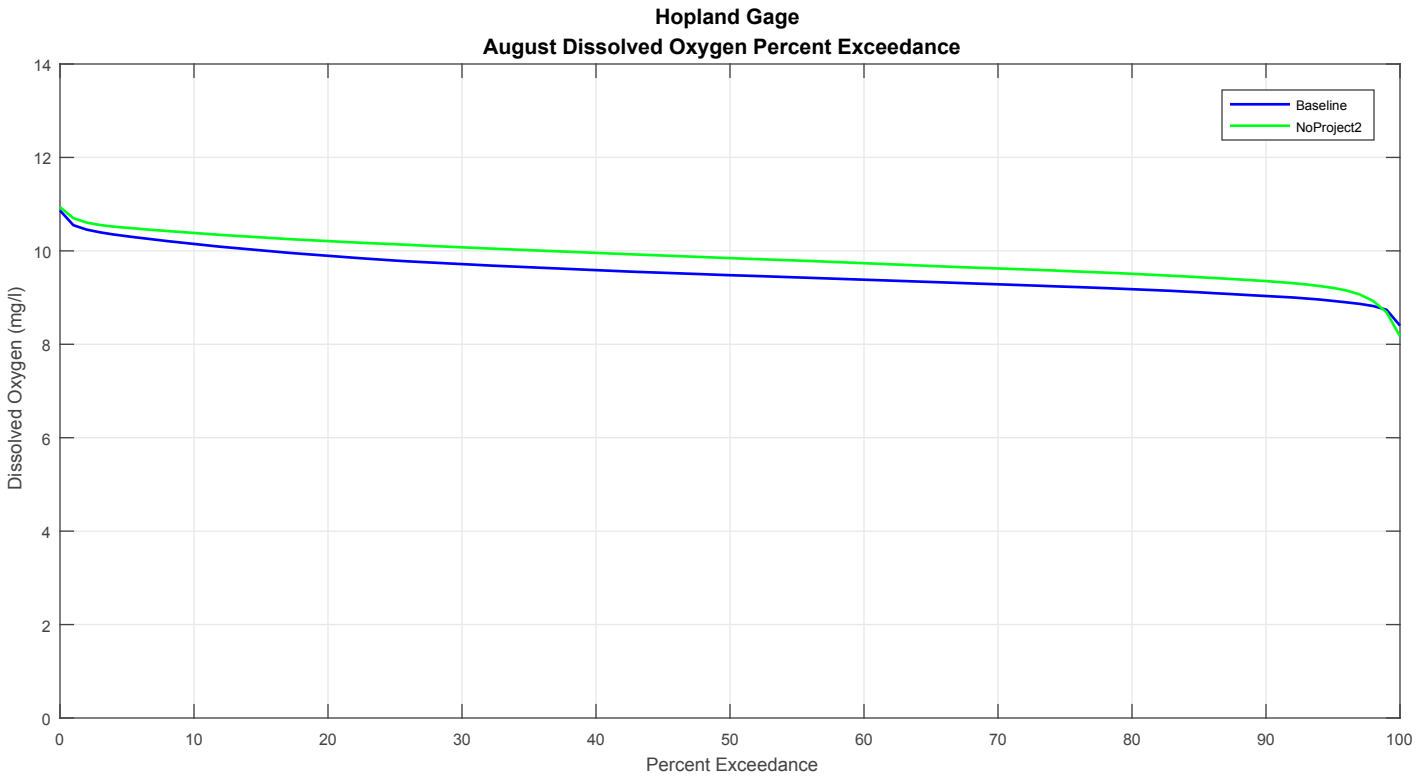
Hopland Gage
August Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
0
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8
10
12
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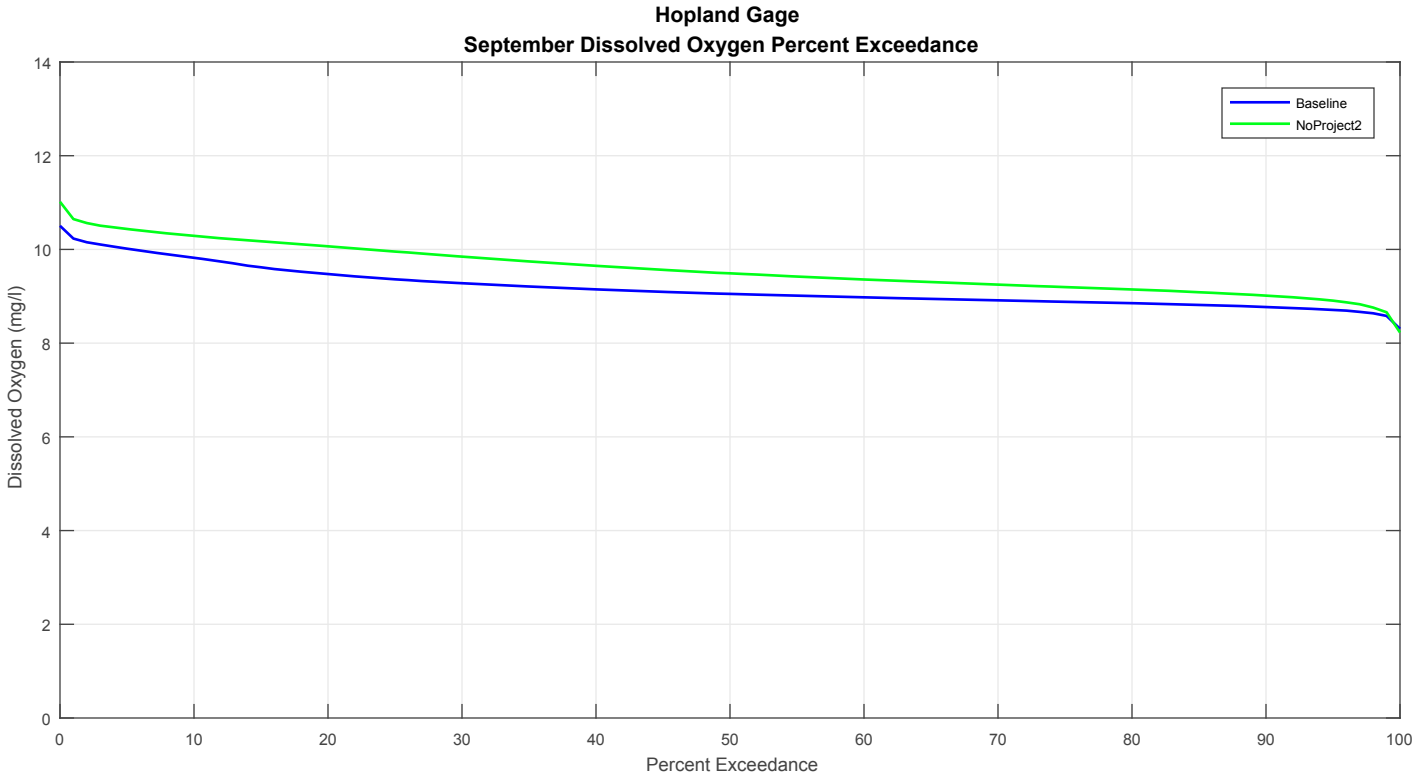
Hopland Gage
September Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
0
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8
10
12
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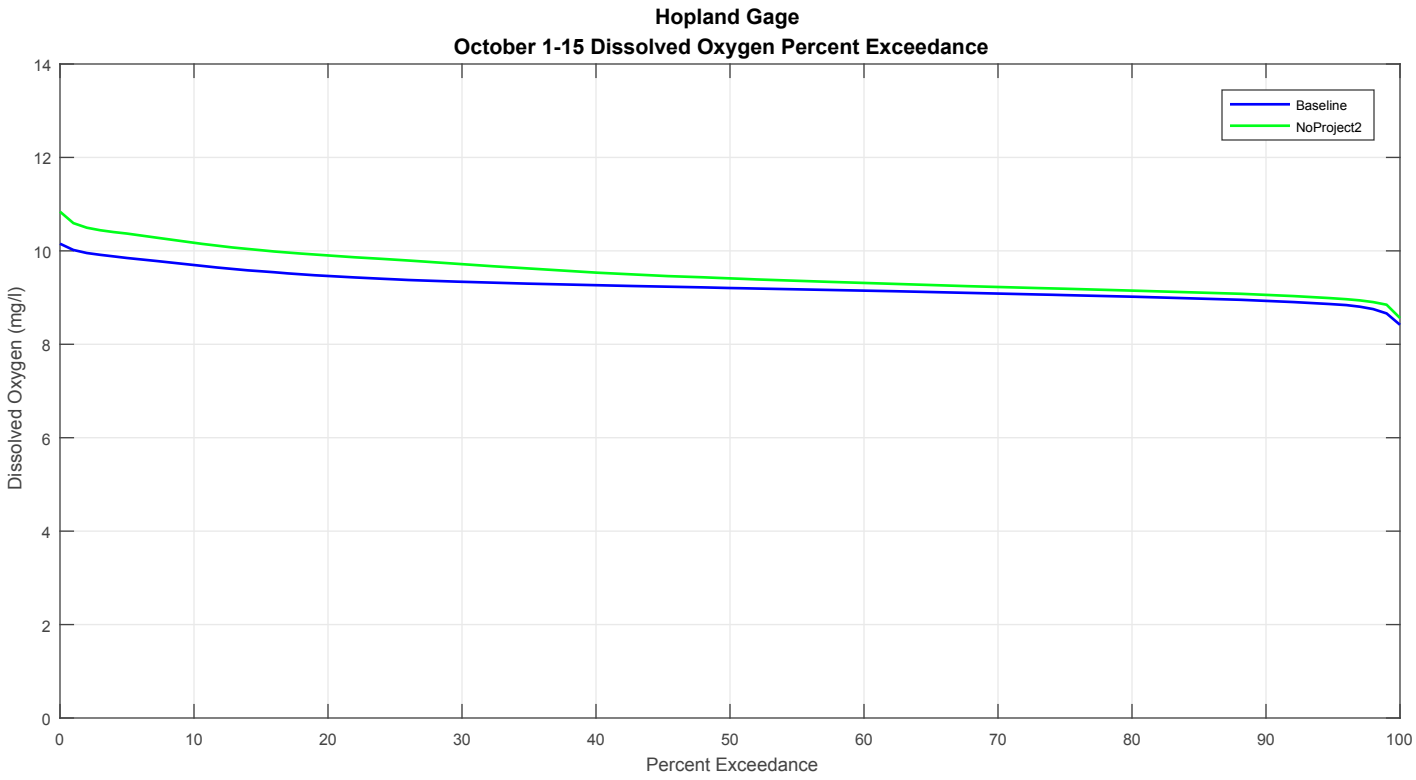
Hopland Gage
October 1-15 Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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6
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10
12
14
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30
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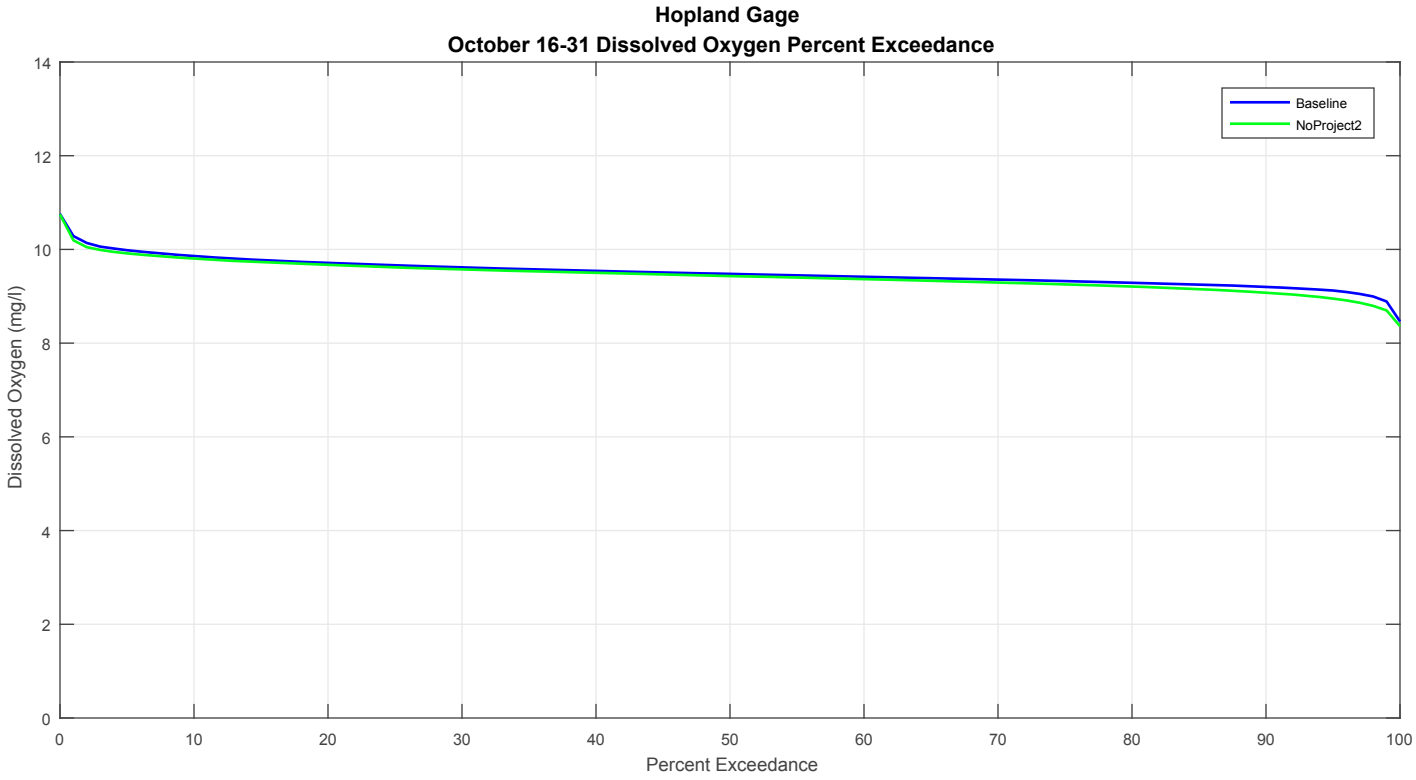
100


Hopland Gage
October 16-31 Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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14
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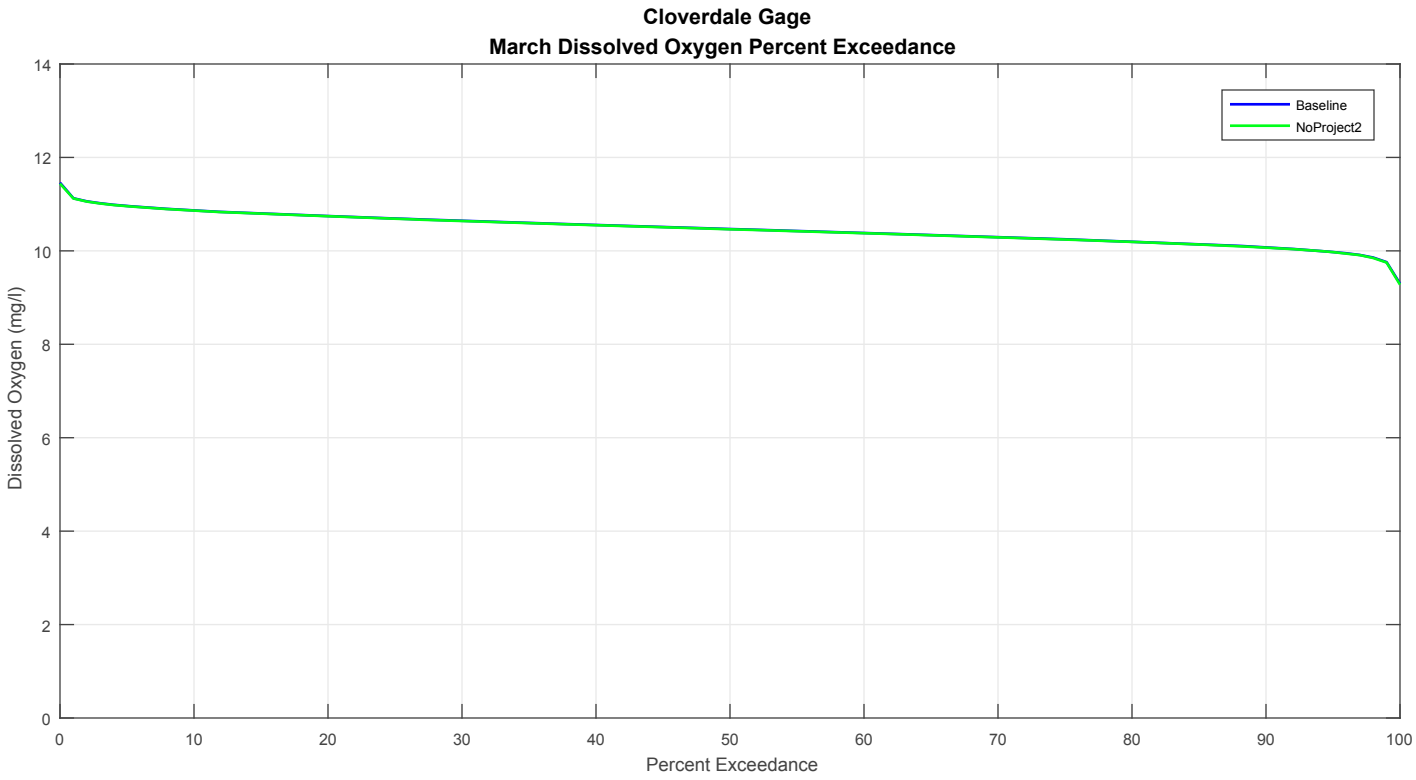
Cloverdale Gage
March Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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6
8
10
12
14
0
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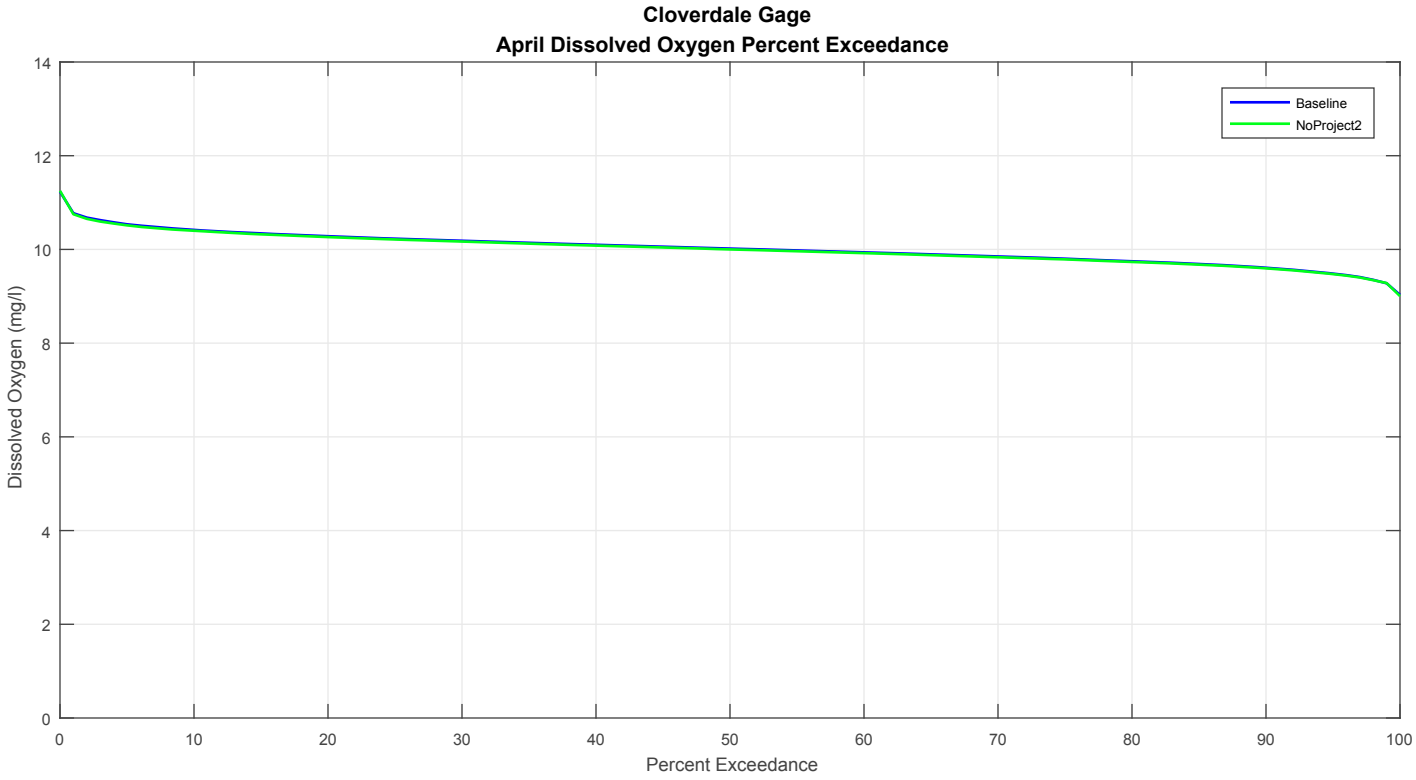
100


Cloverdale Gage
April Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
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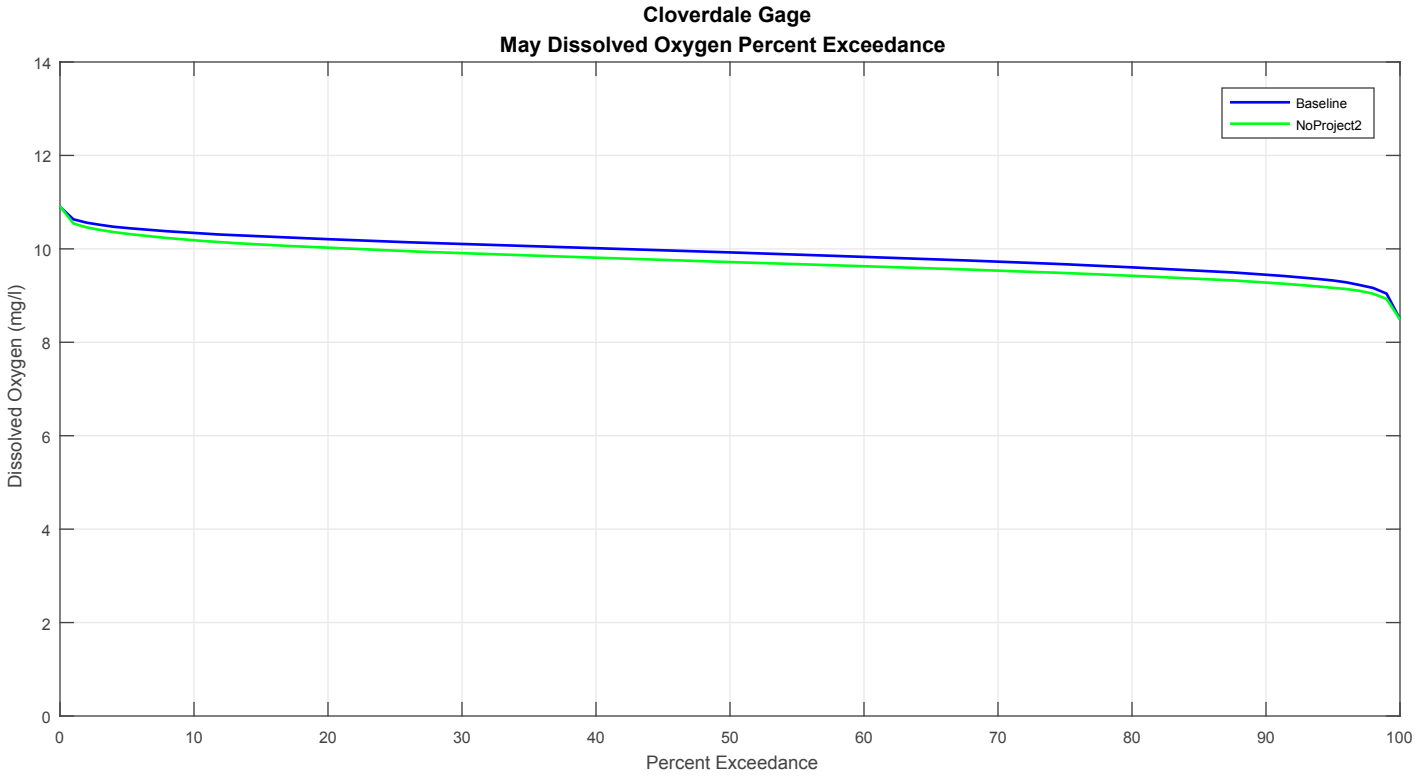
Cloverdale Gage
May Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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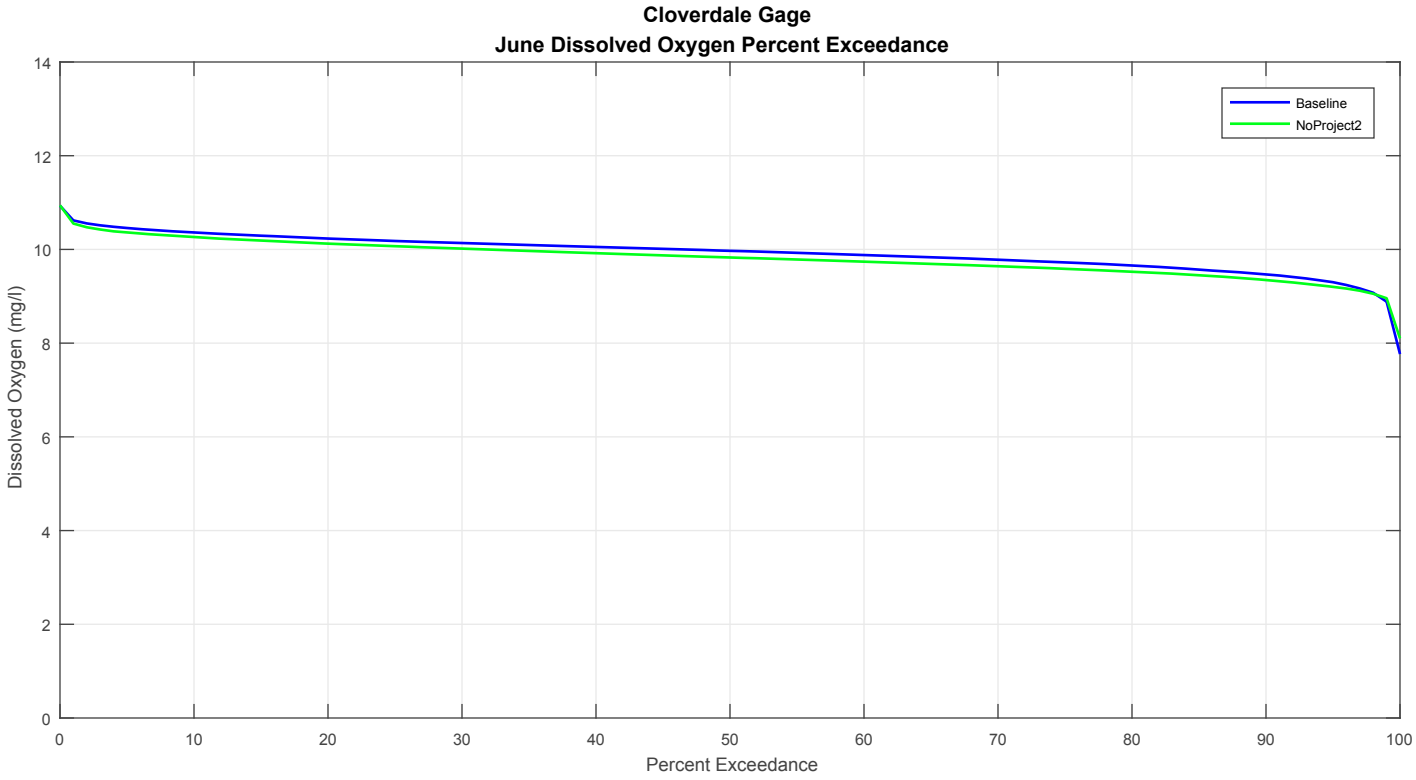
Cloverdale Gage
June Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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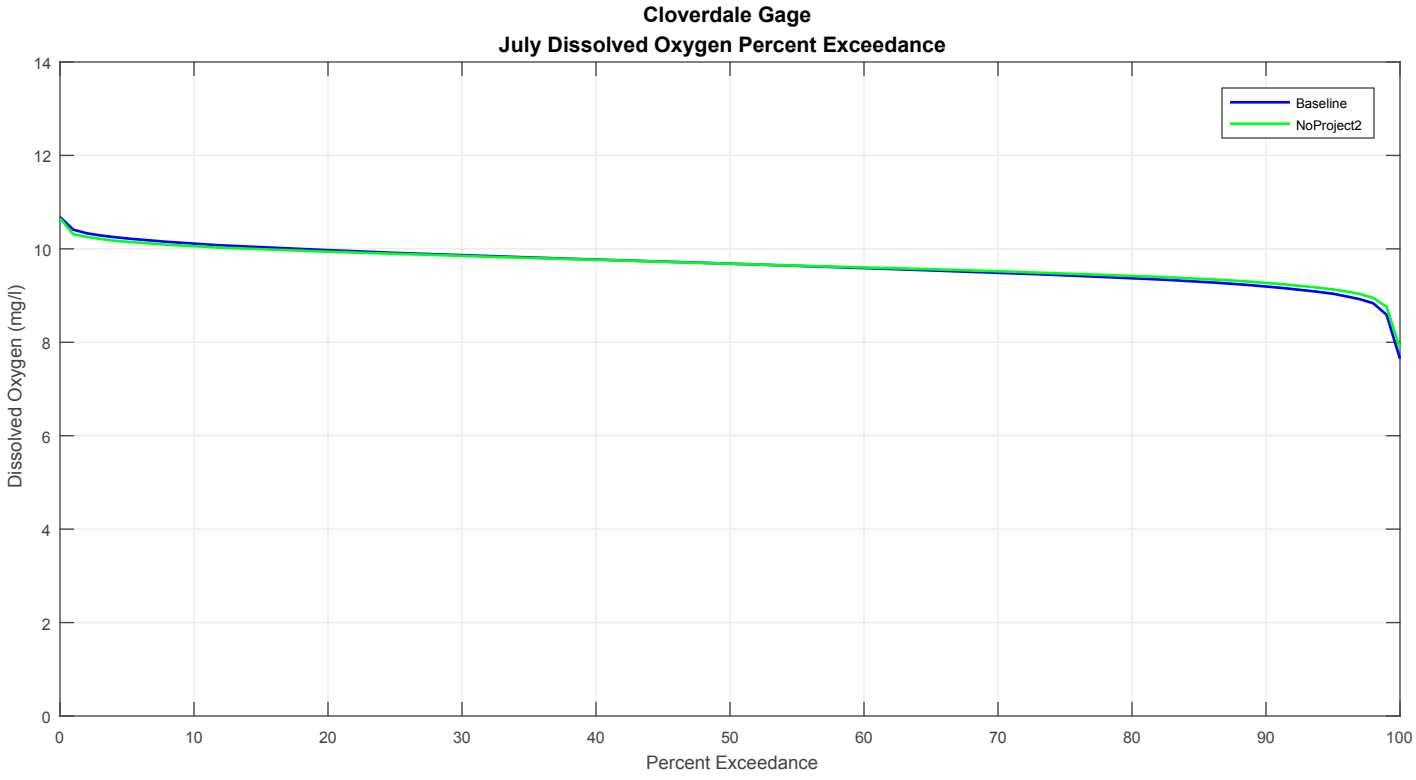
Cloverdale Gage
July Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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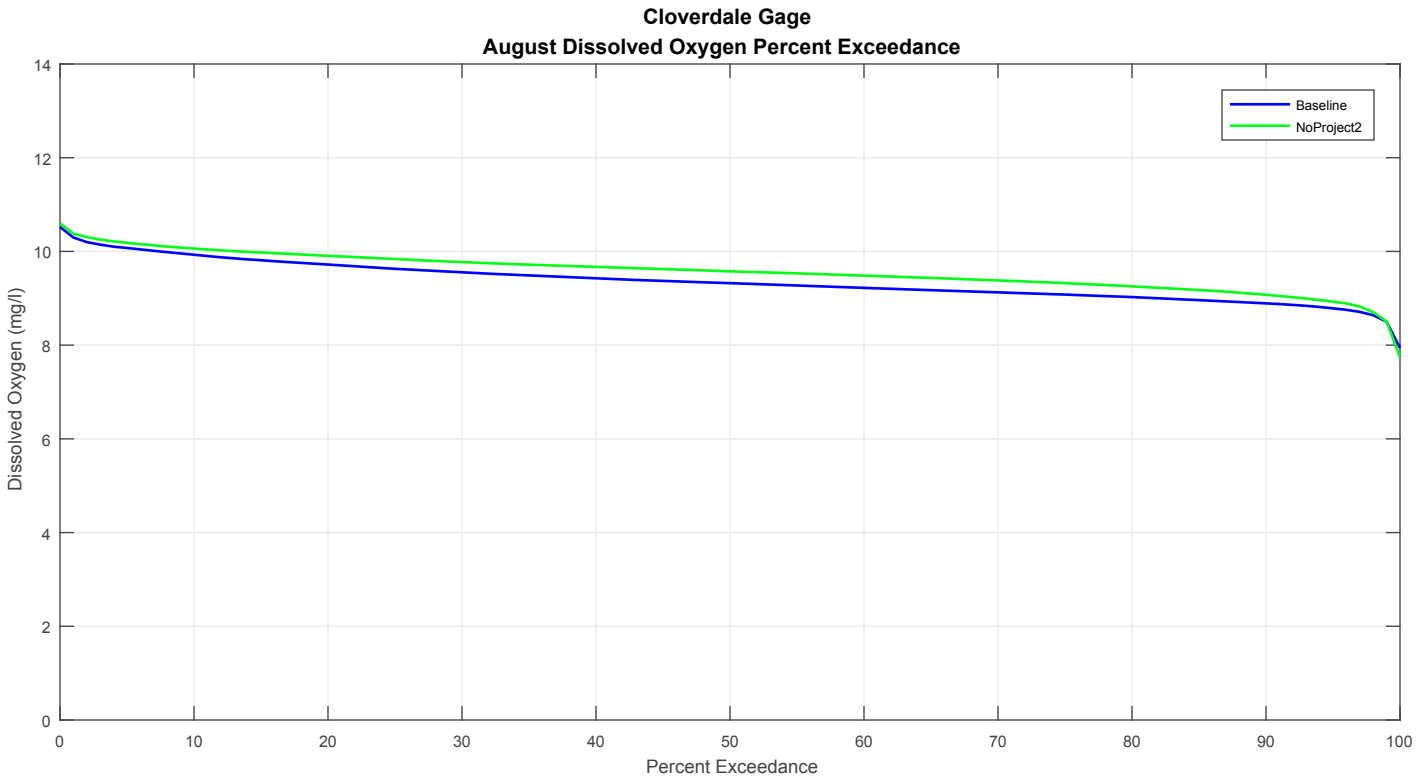
Cloverdale Gage
August Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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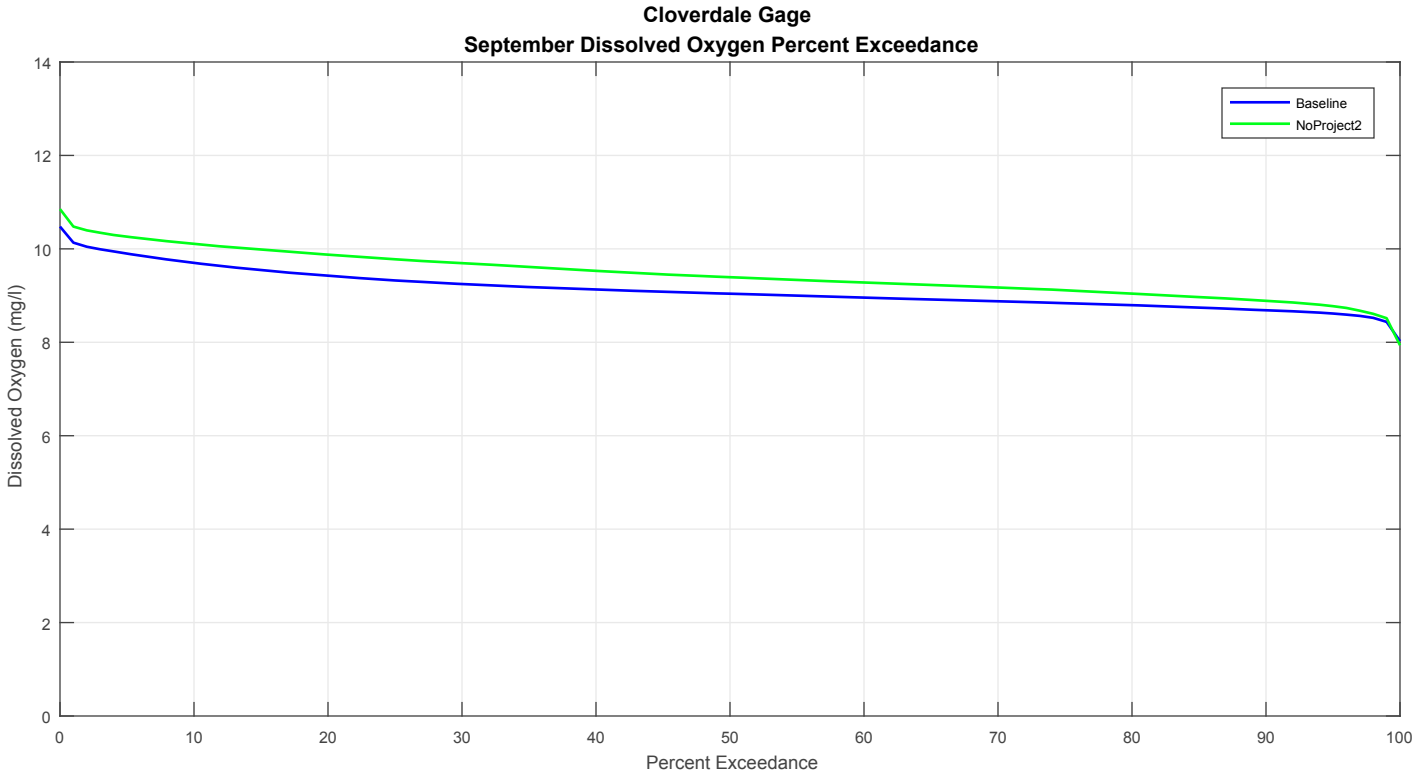
Cloverdale Gage
September Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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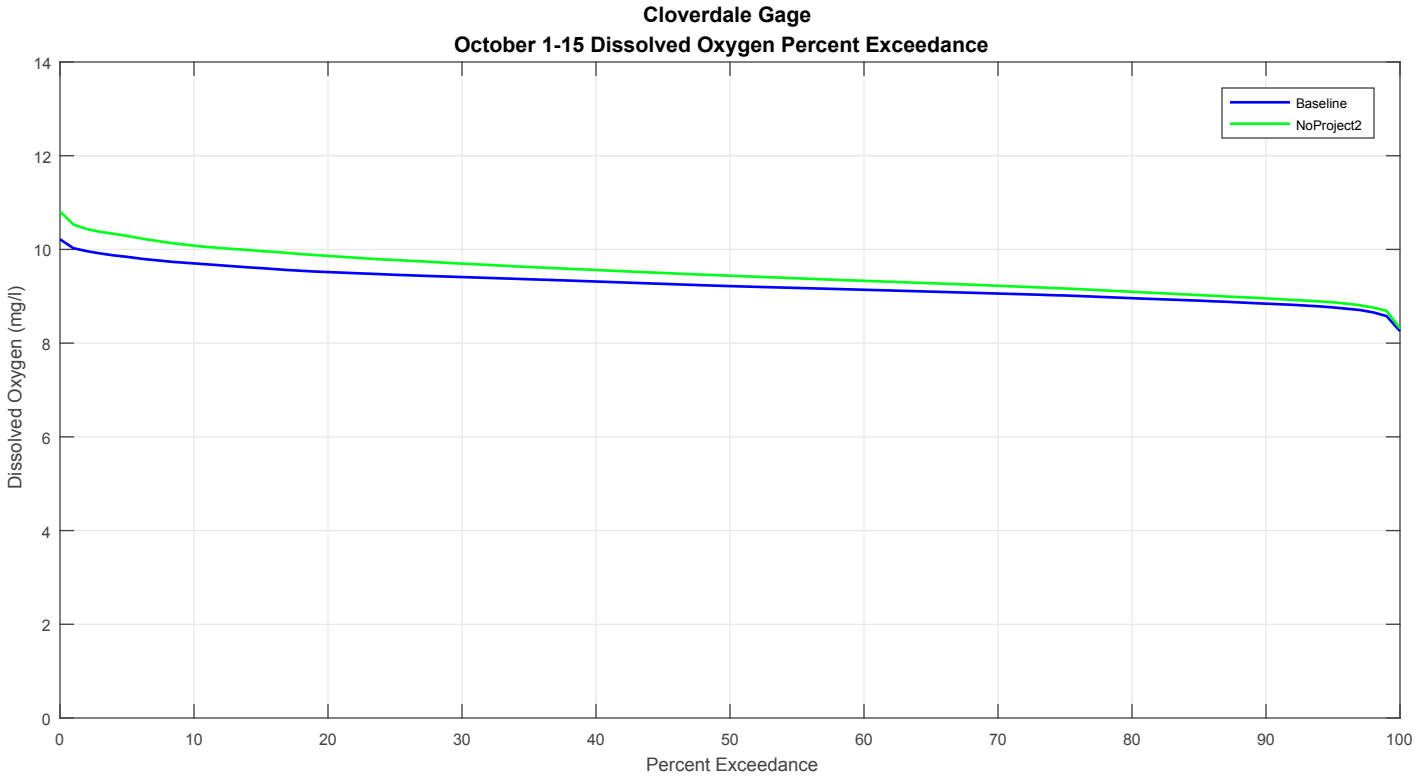
Cloverdale Gage
October 1-15 Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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6
8
10
12
14
0
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20
30
40
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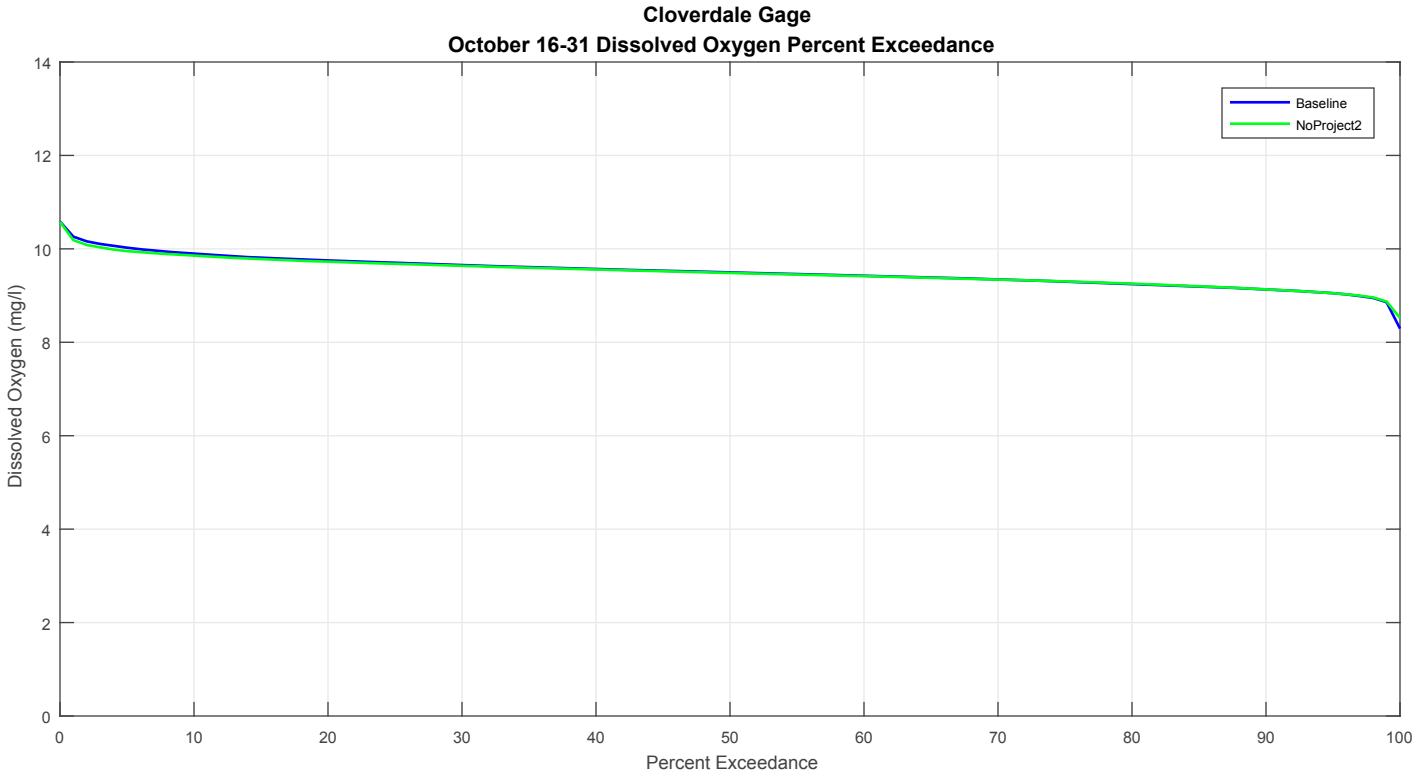
Cloverdale Gage
October 16-31 Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
0
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12
14
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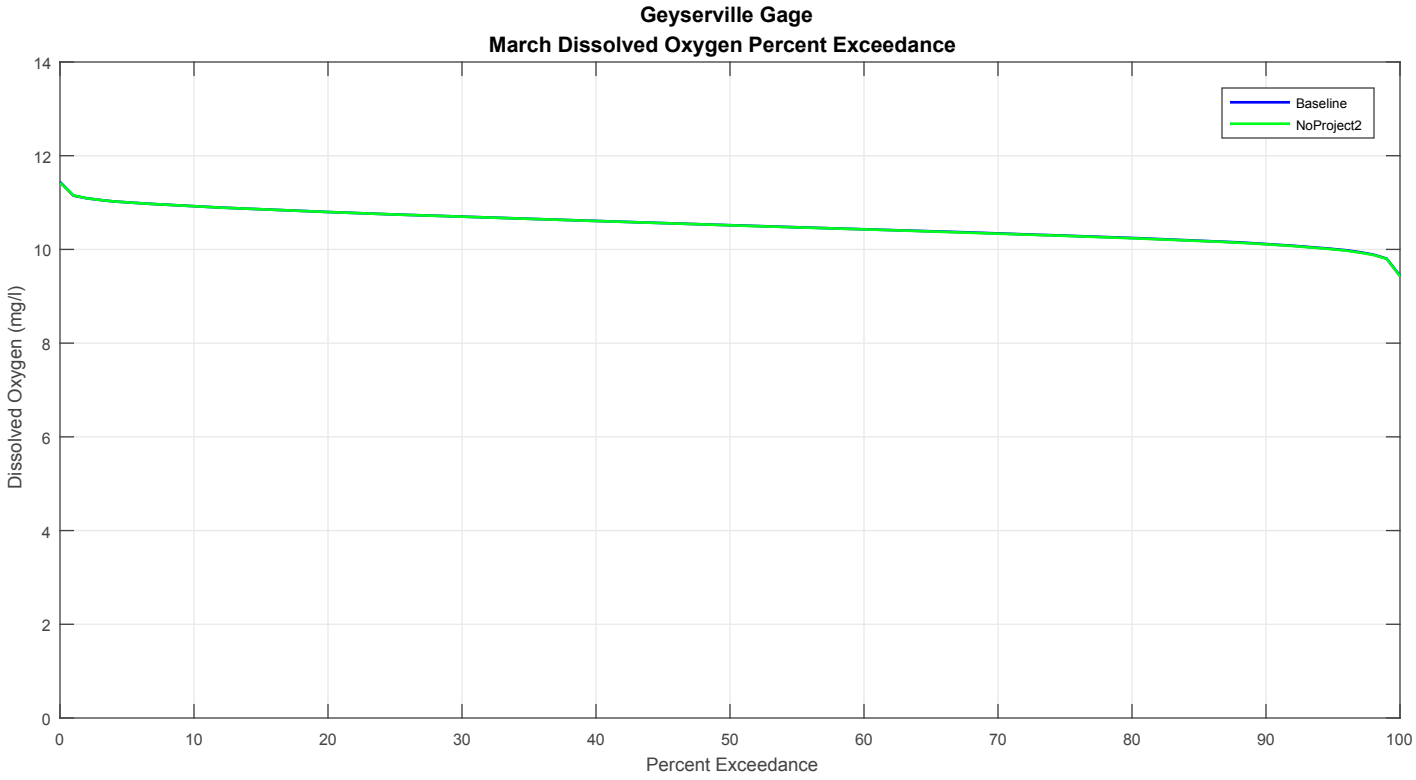
Geyserville Gage
March Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
0
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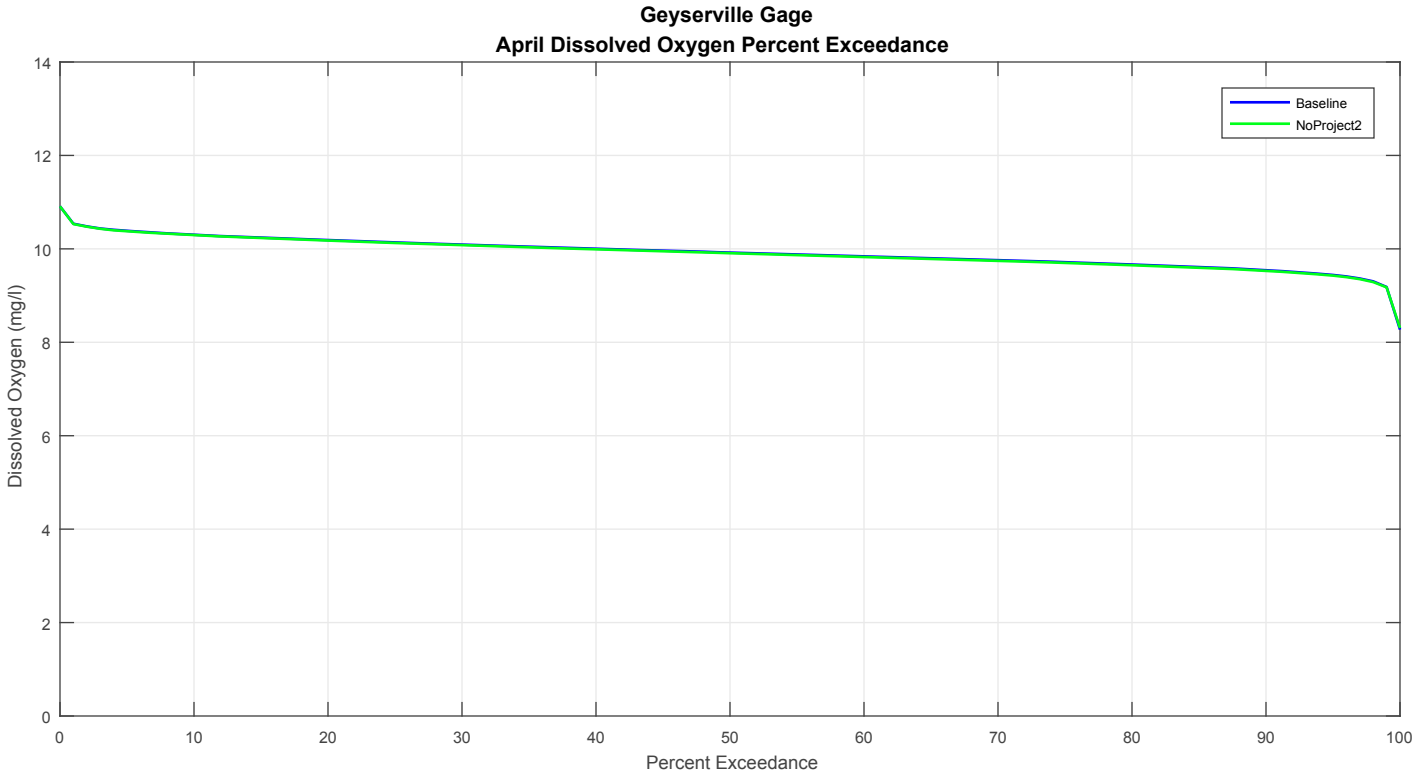
Geyserville Gage
April Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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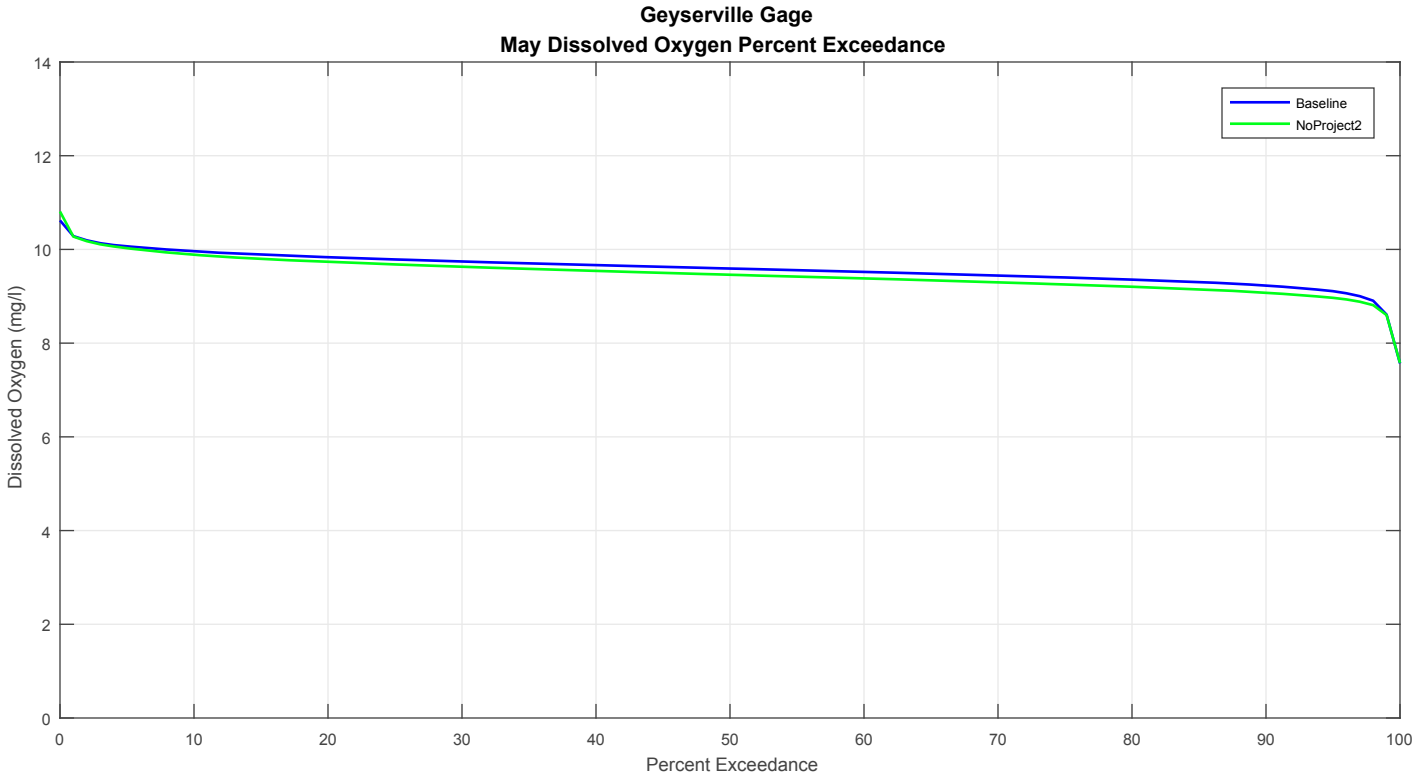
Geyserville Gage
May Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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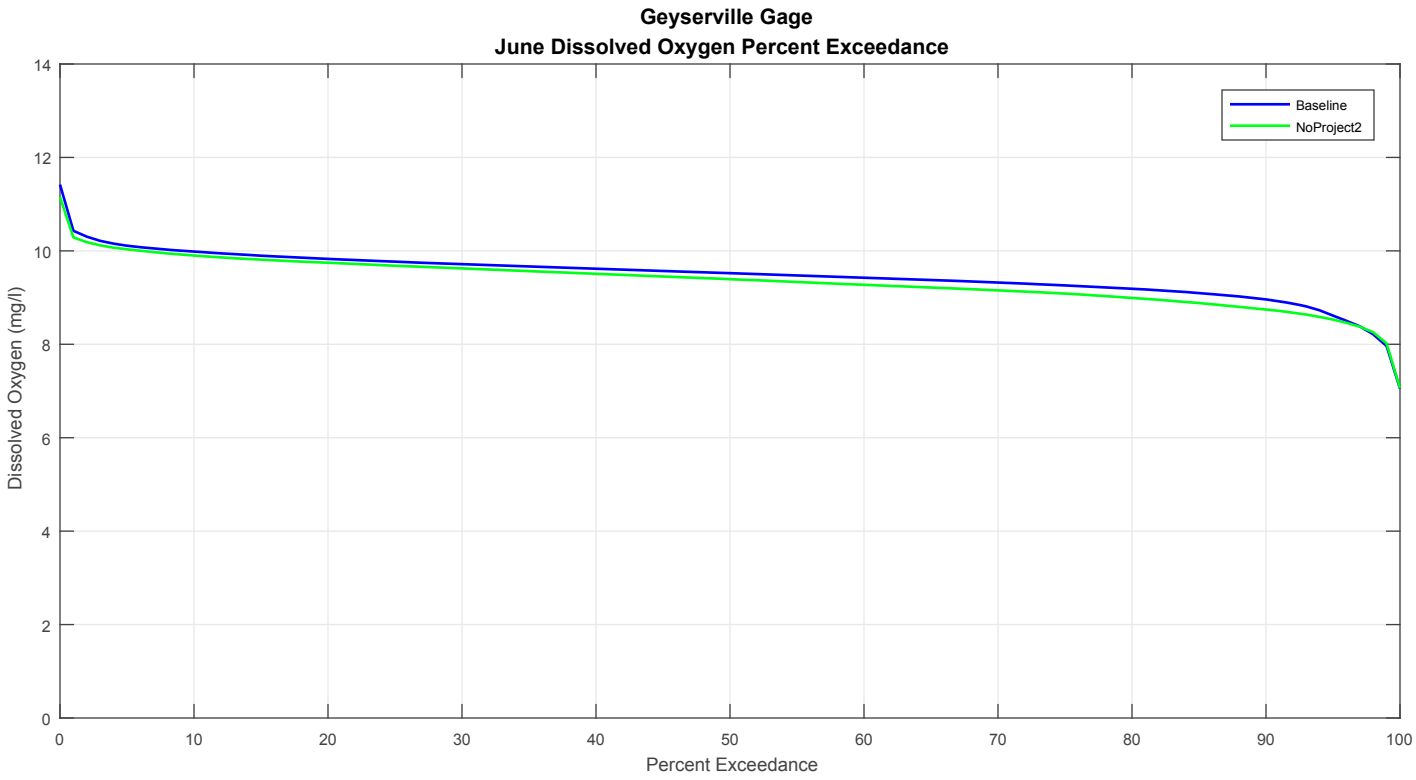
Geyserville Gage
June Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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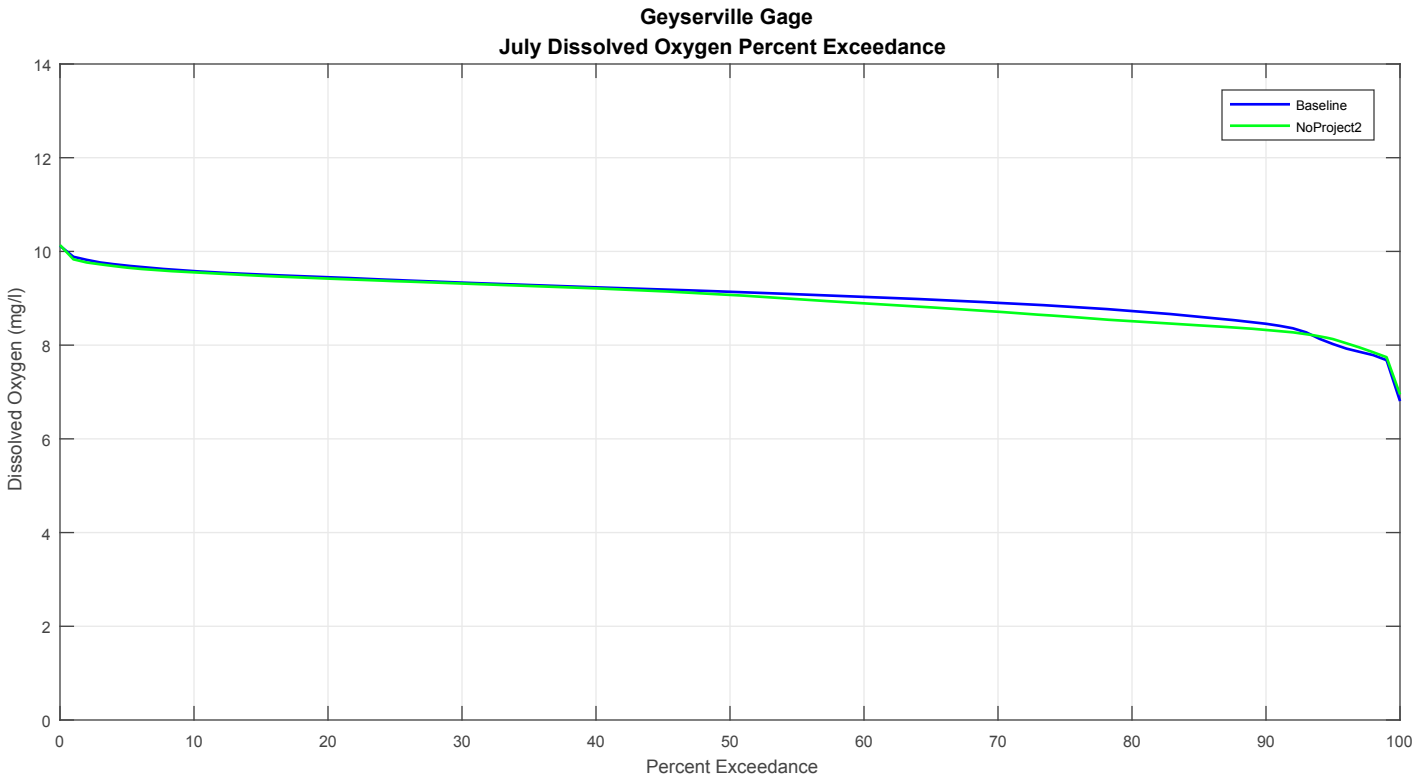
Geyserville Gage
July Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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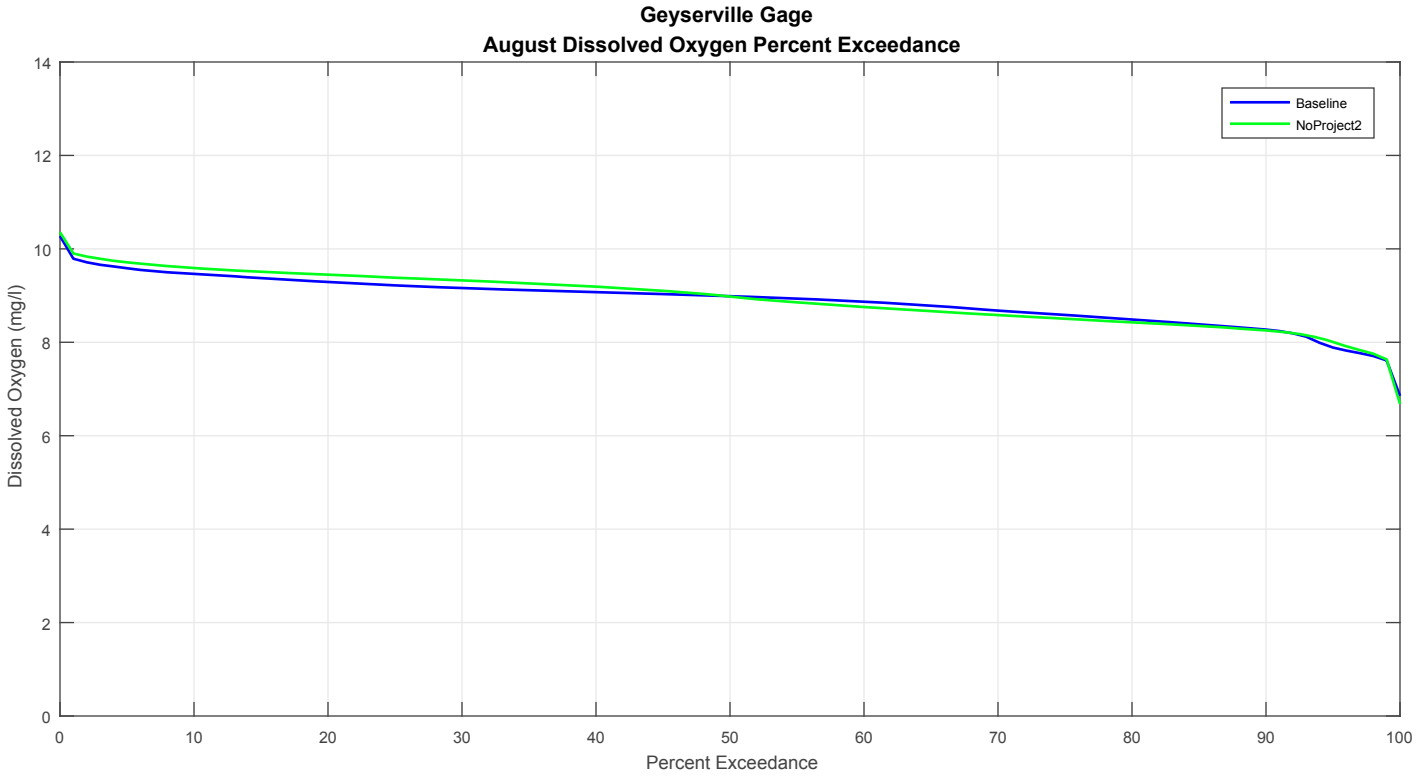
Geyserville Gage
August Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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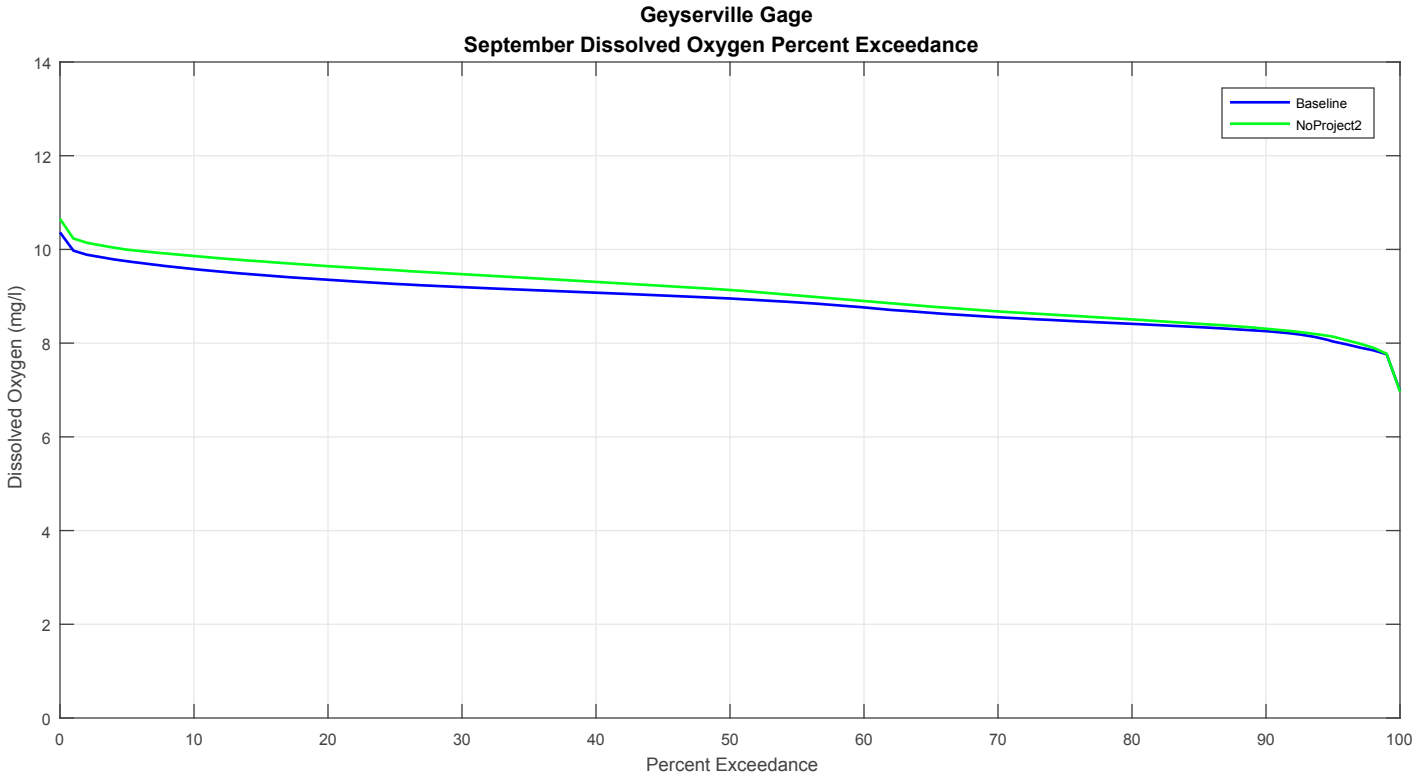
Geyserville Gage
September Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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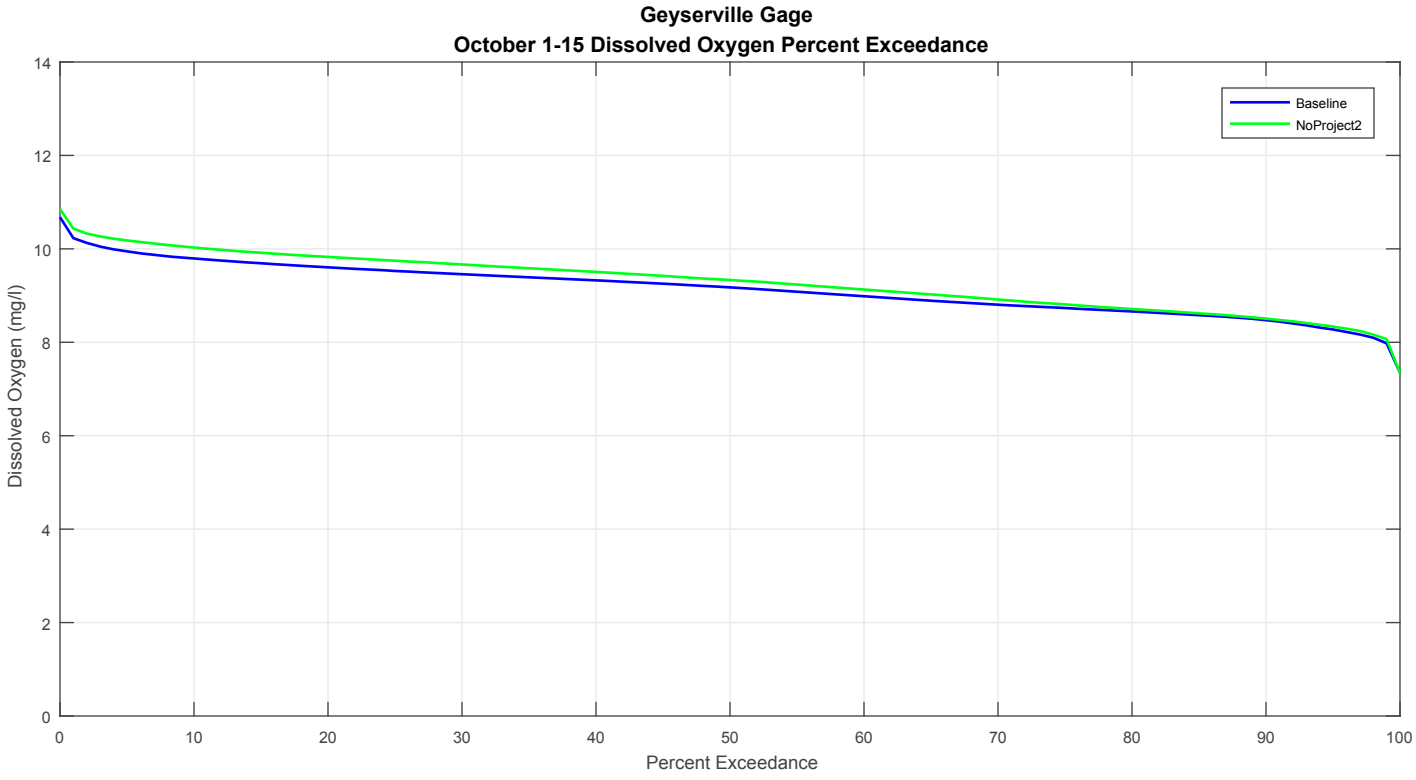
Geyserville Gage
October 1-15 Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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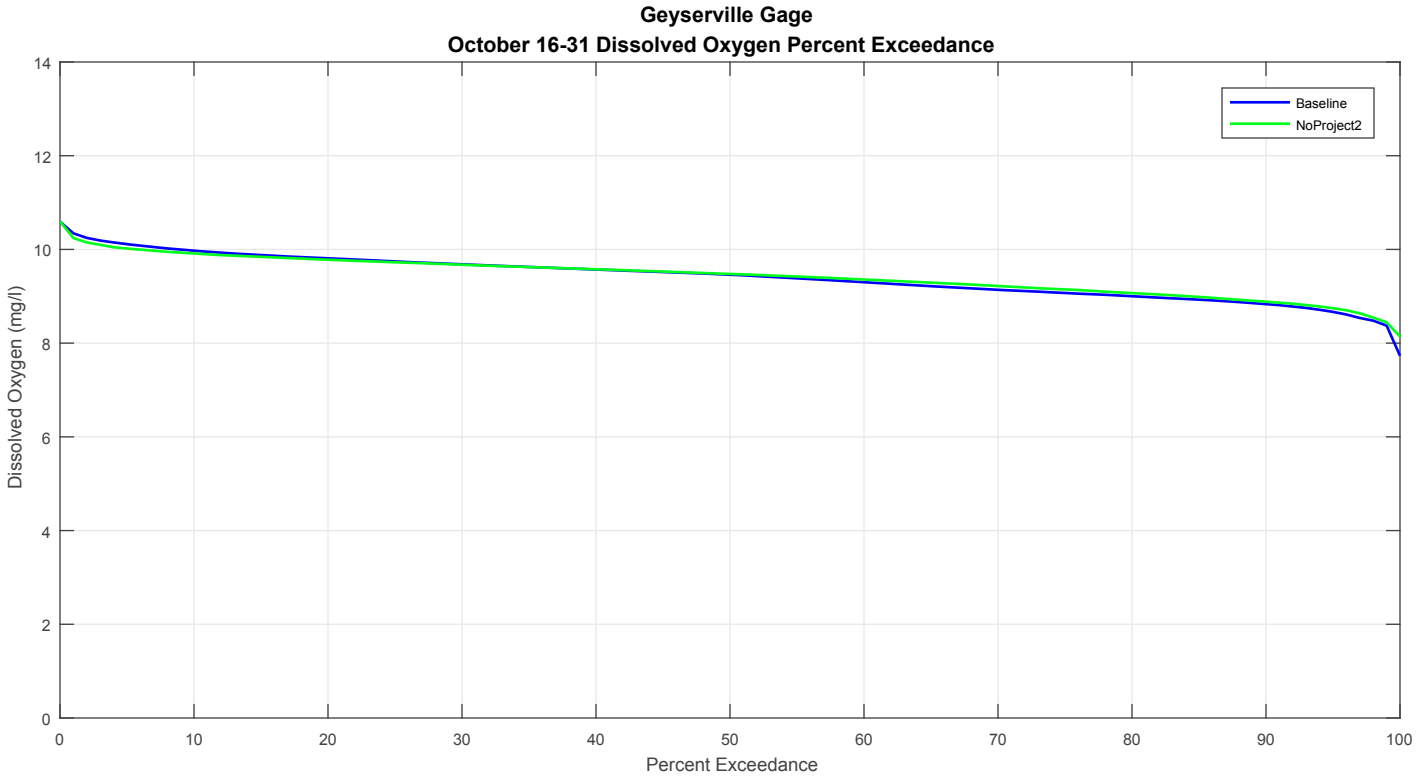
Geyserville Gage
October 16-31 Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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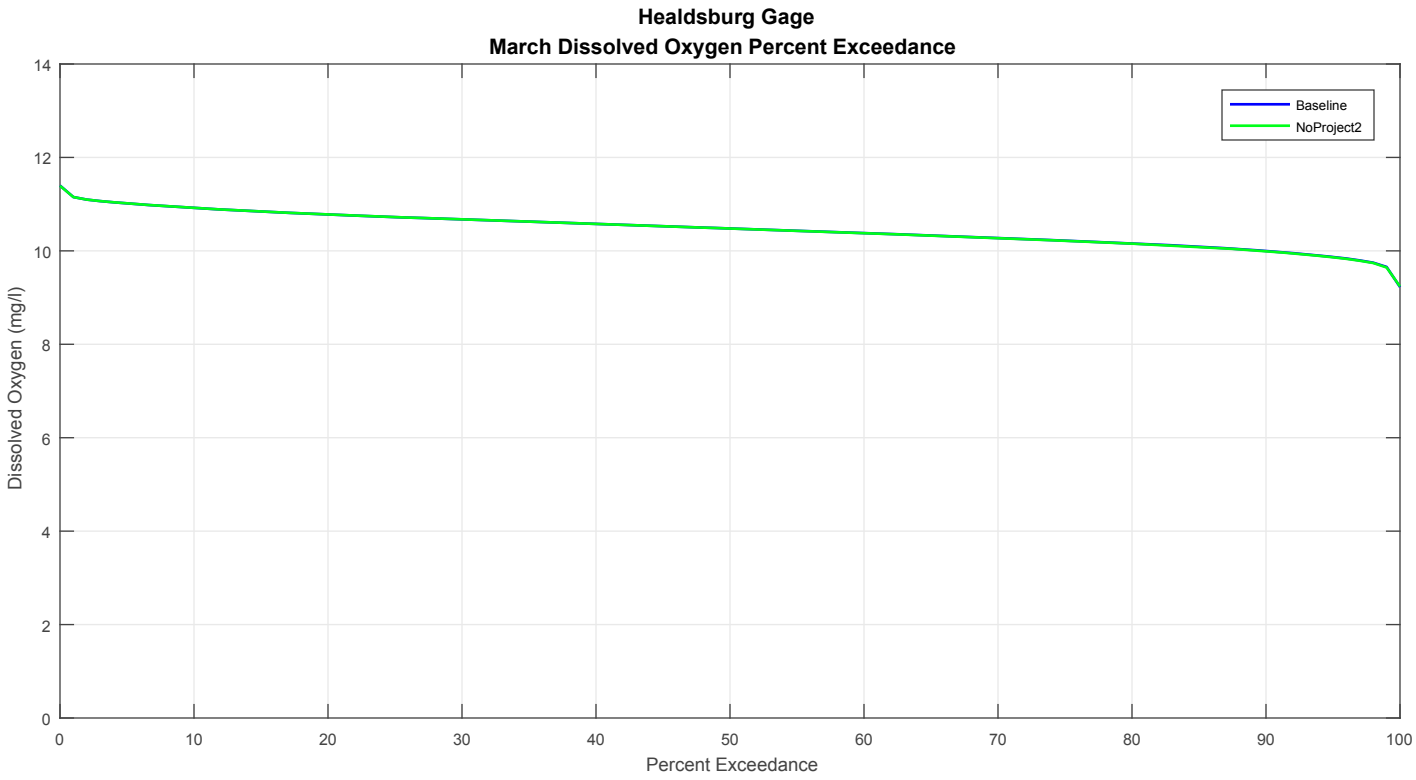
Healdsburg Gage
March Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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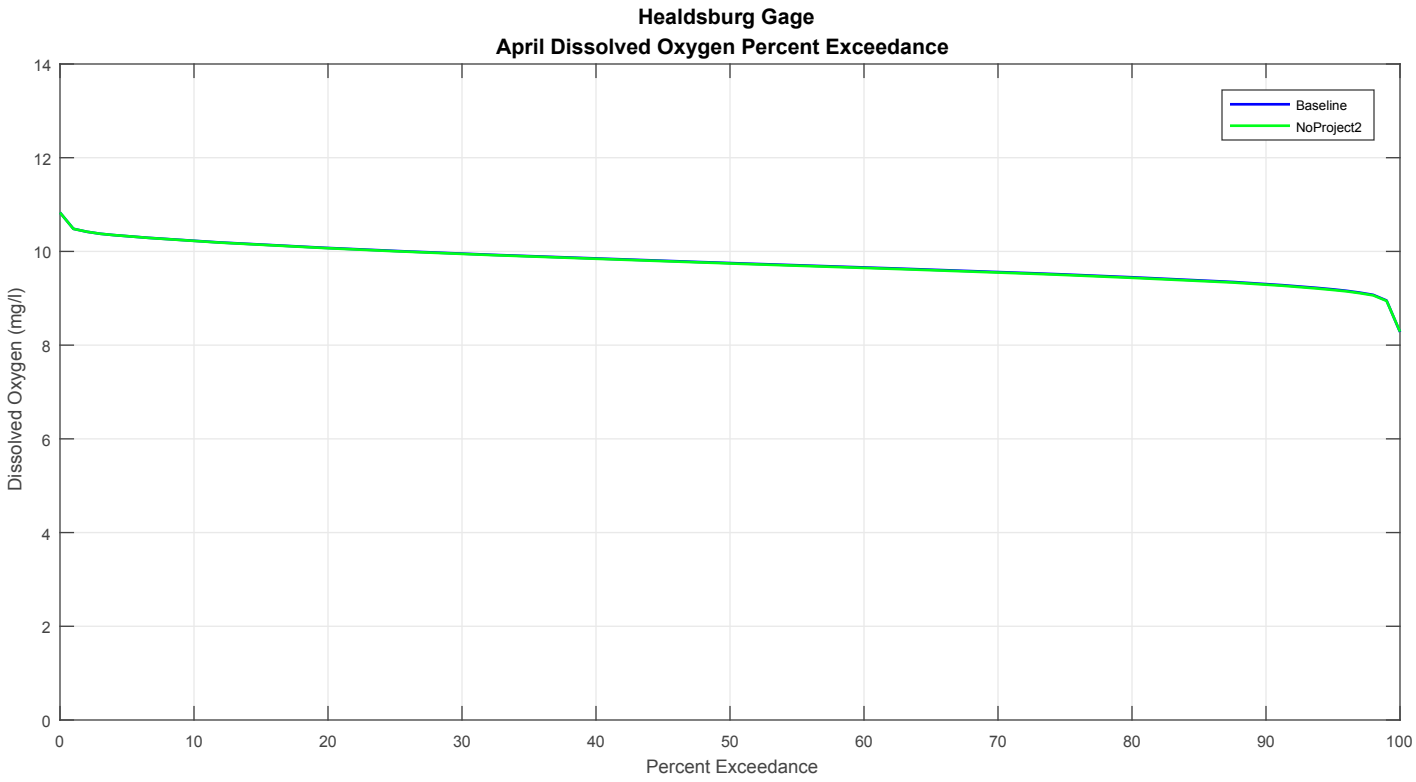
Healdsburg Gage
April Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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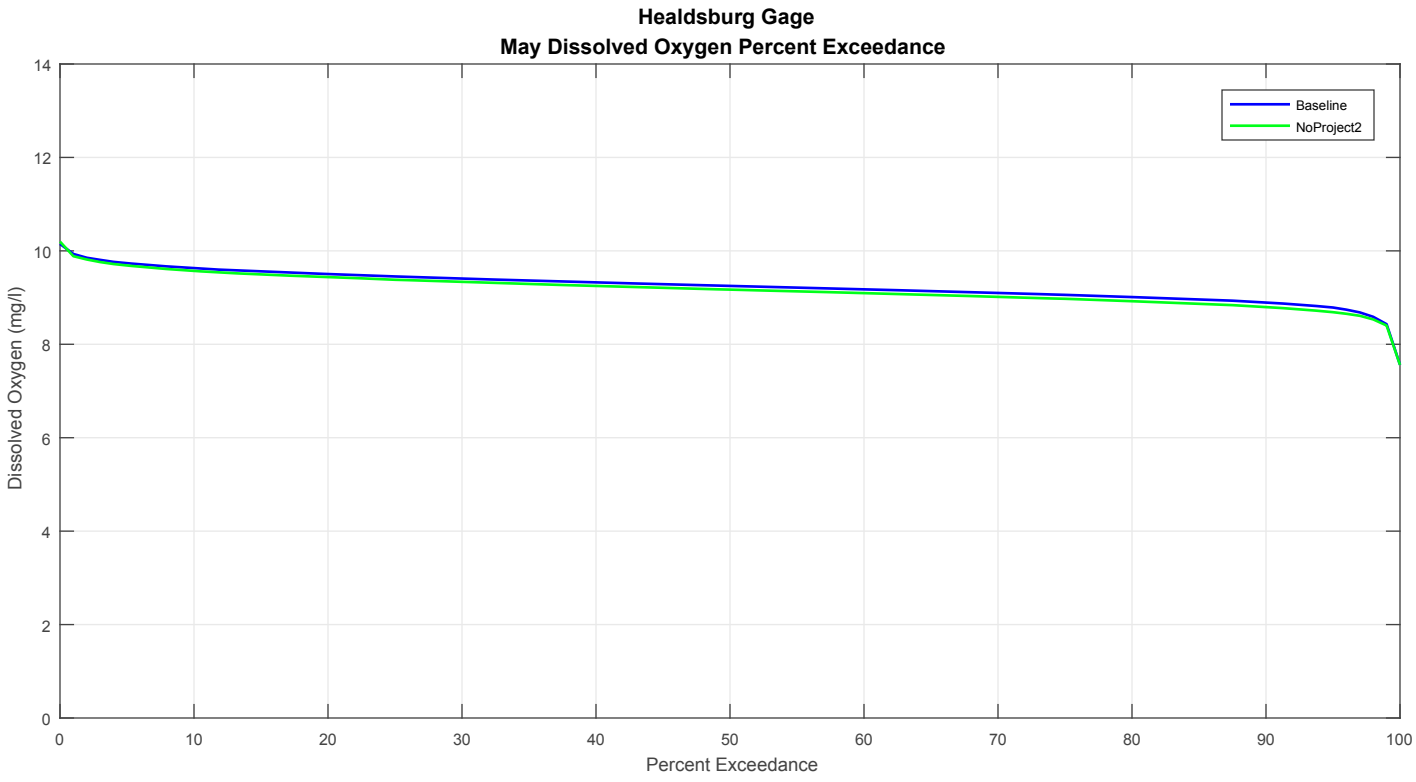
Healdsburg Gage
May Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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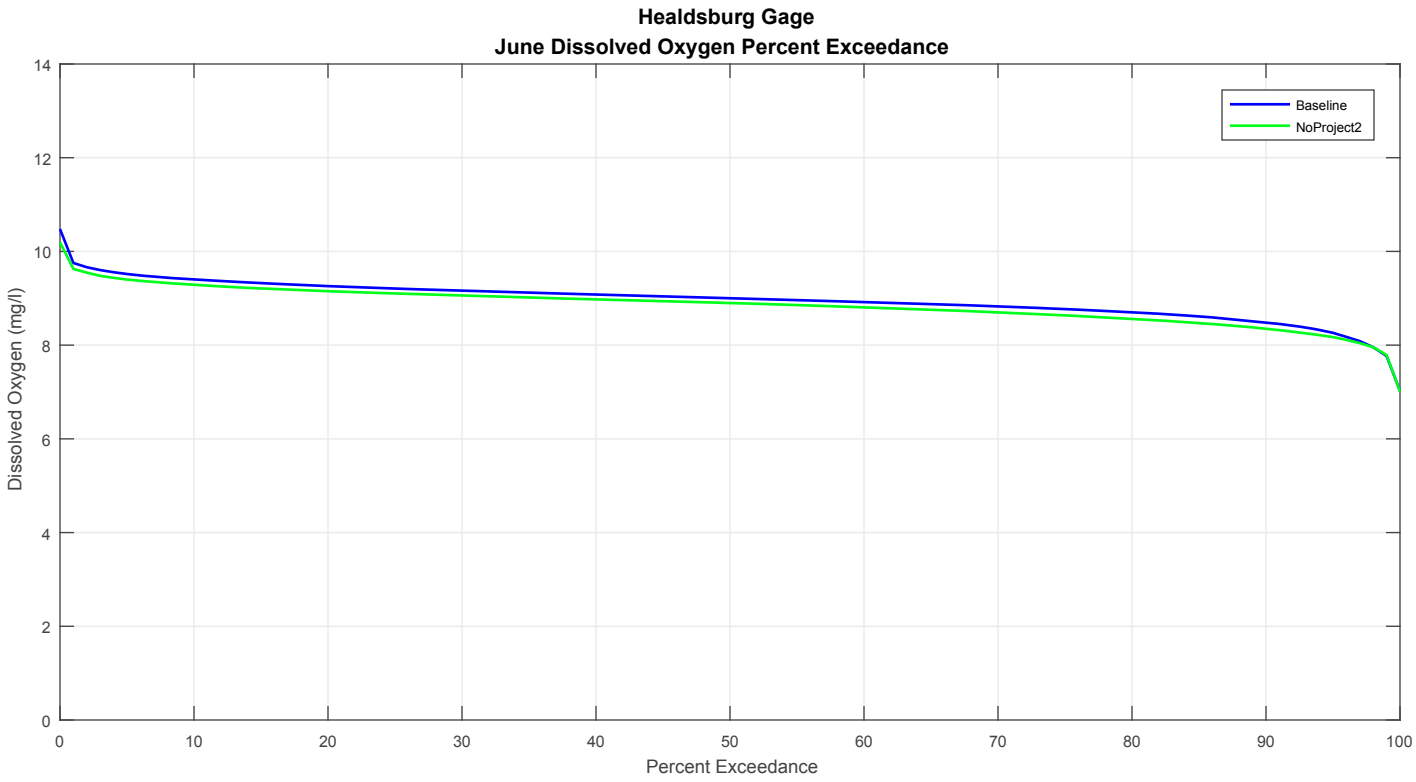
Healdsburg Gage
June Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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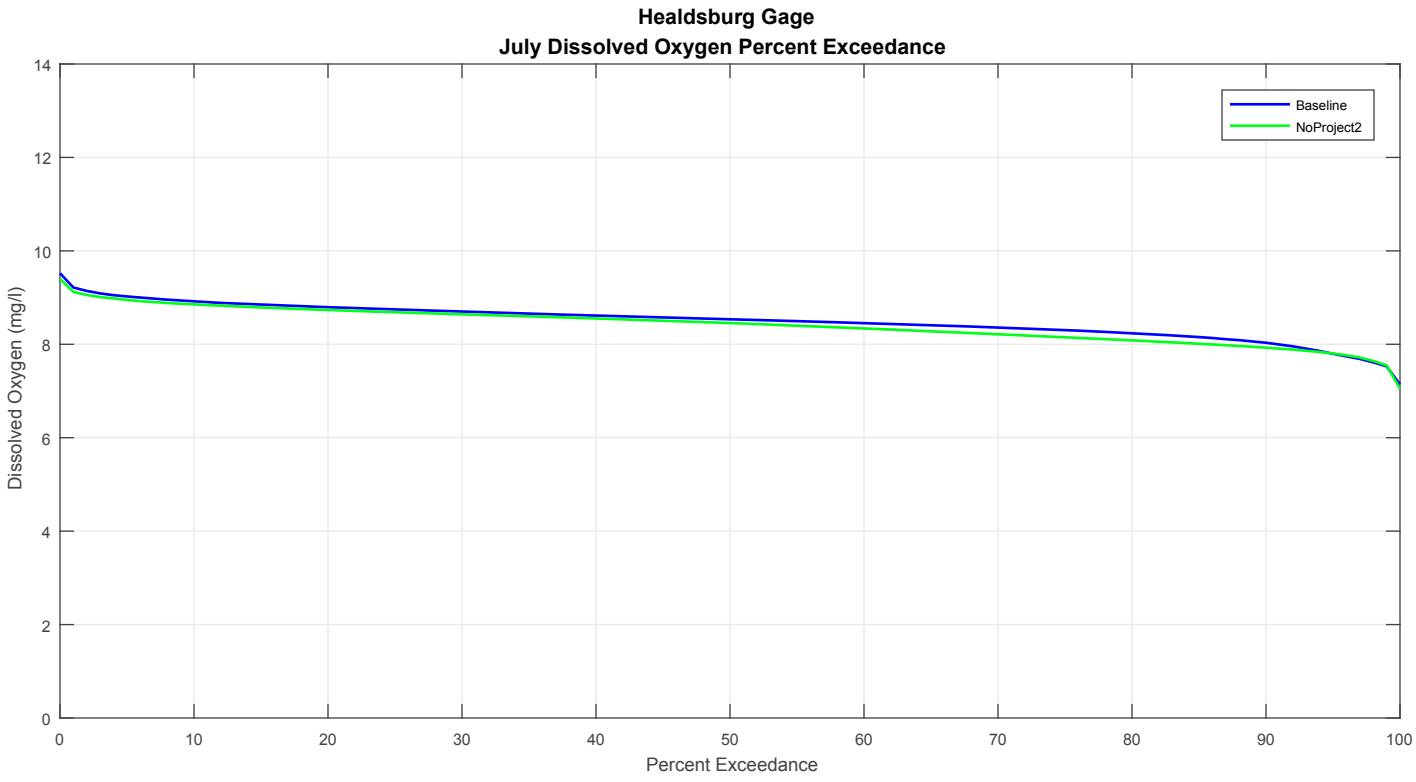
Healdsburg Gage
July Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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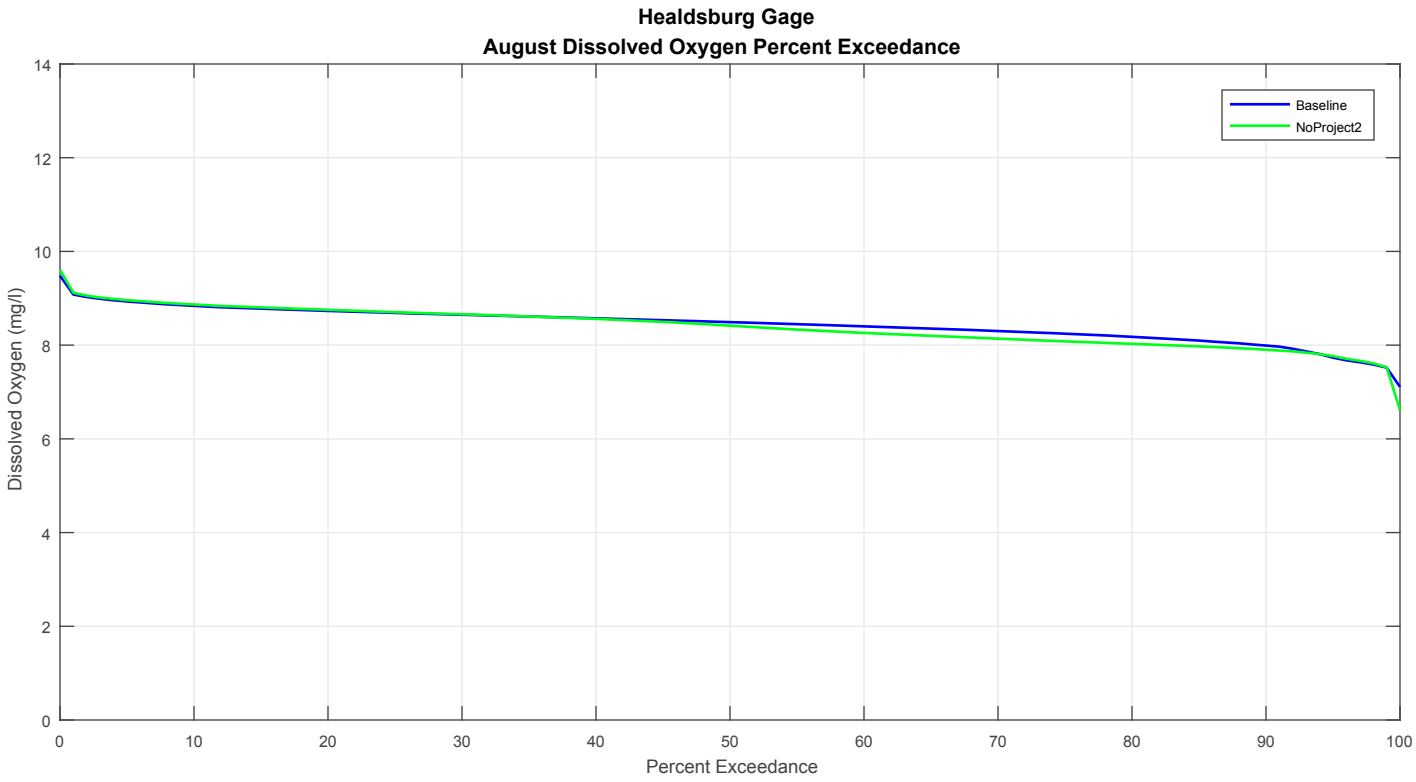
Healdsburg Gage
August Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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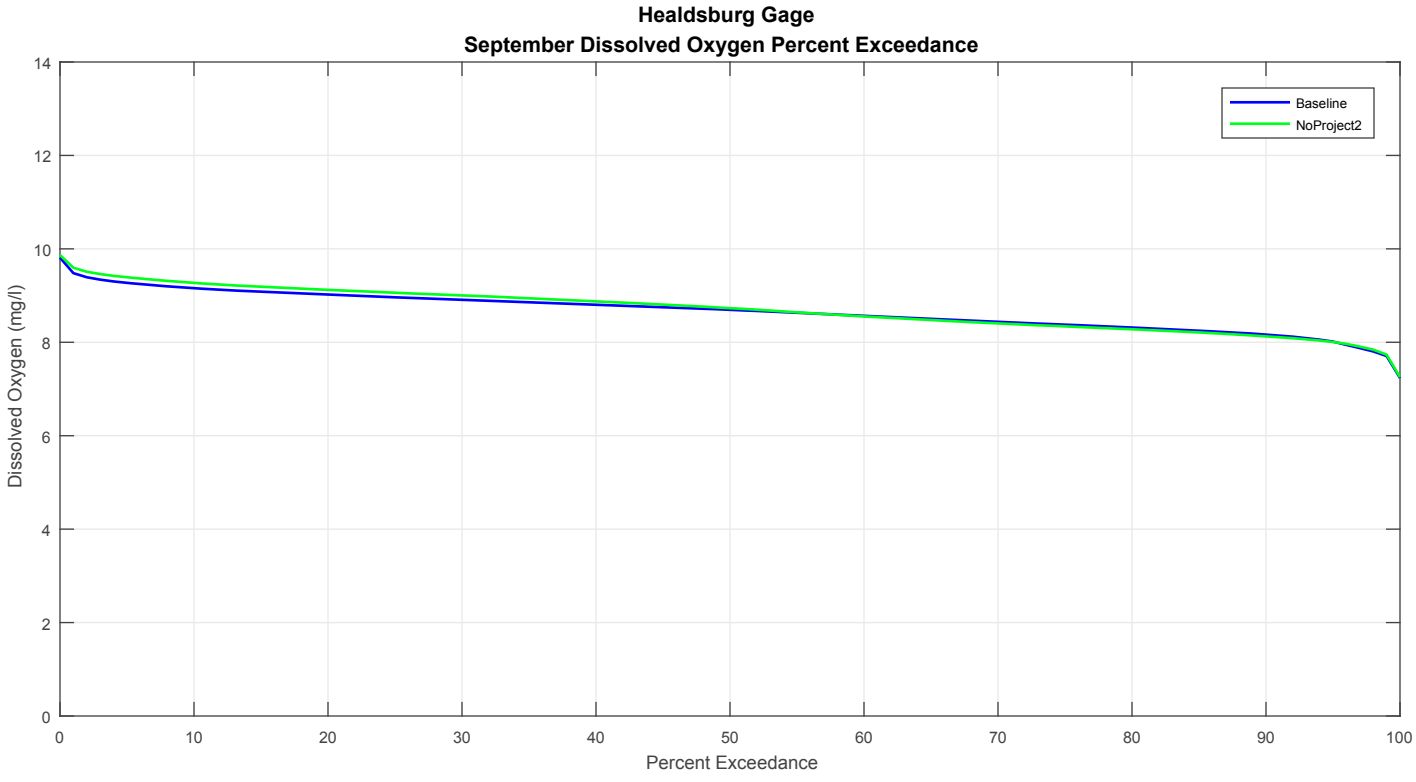
Healdsburg Gage
September Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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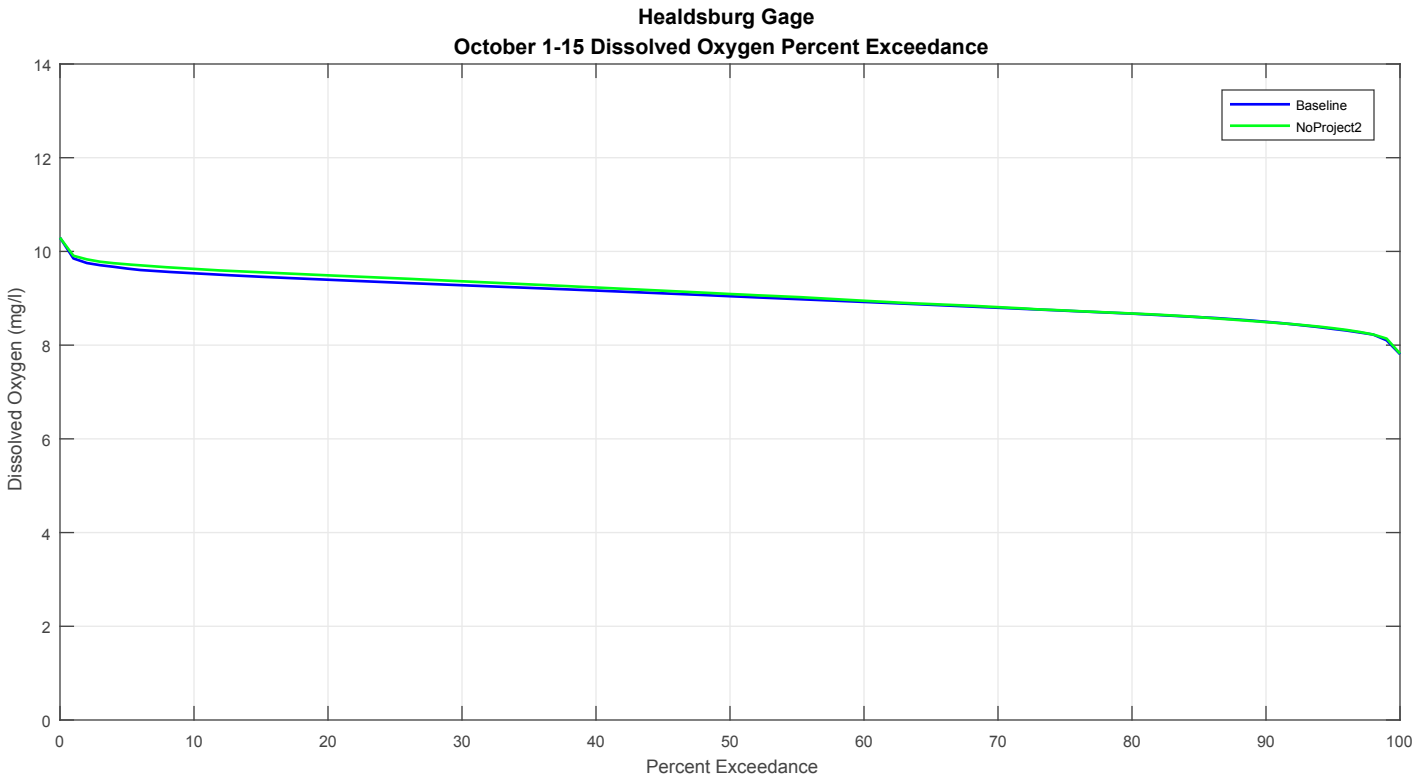
Healdsburg Gage
October 1-15 Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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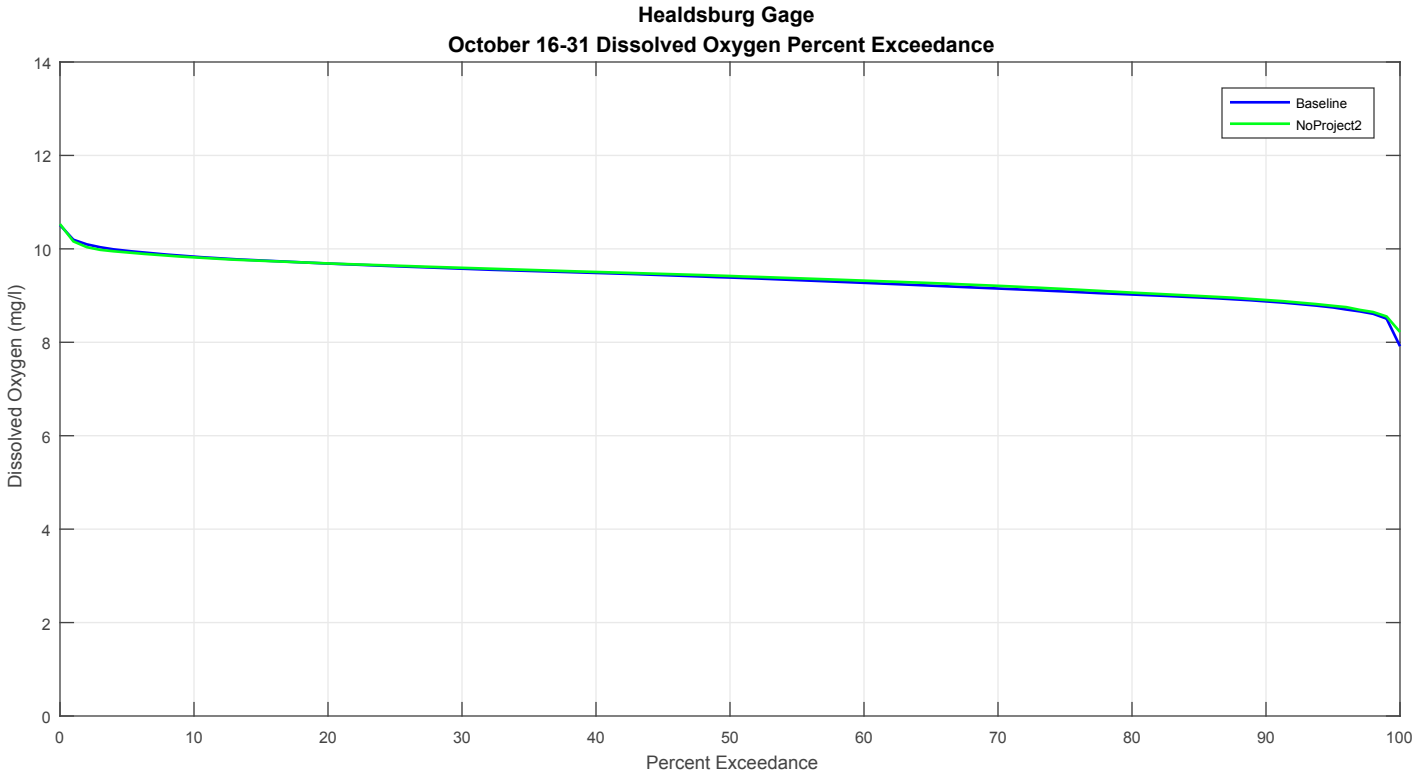
Healdsburg Gage
October 16-31 Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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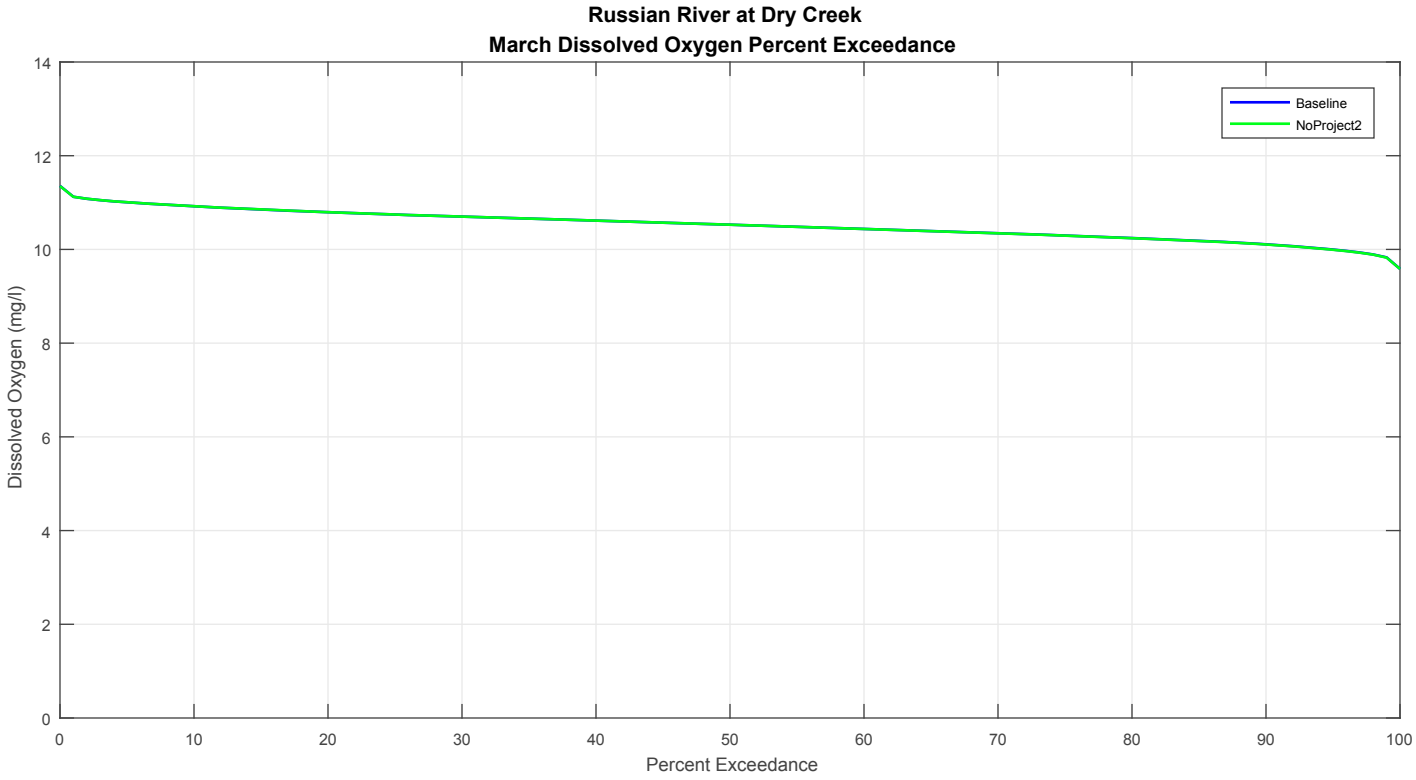
Russian River at Dry Creek
March Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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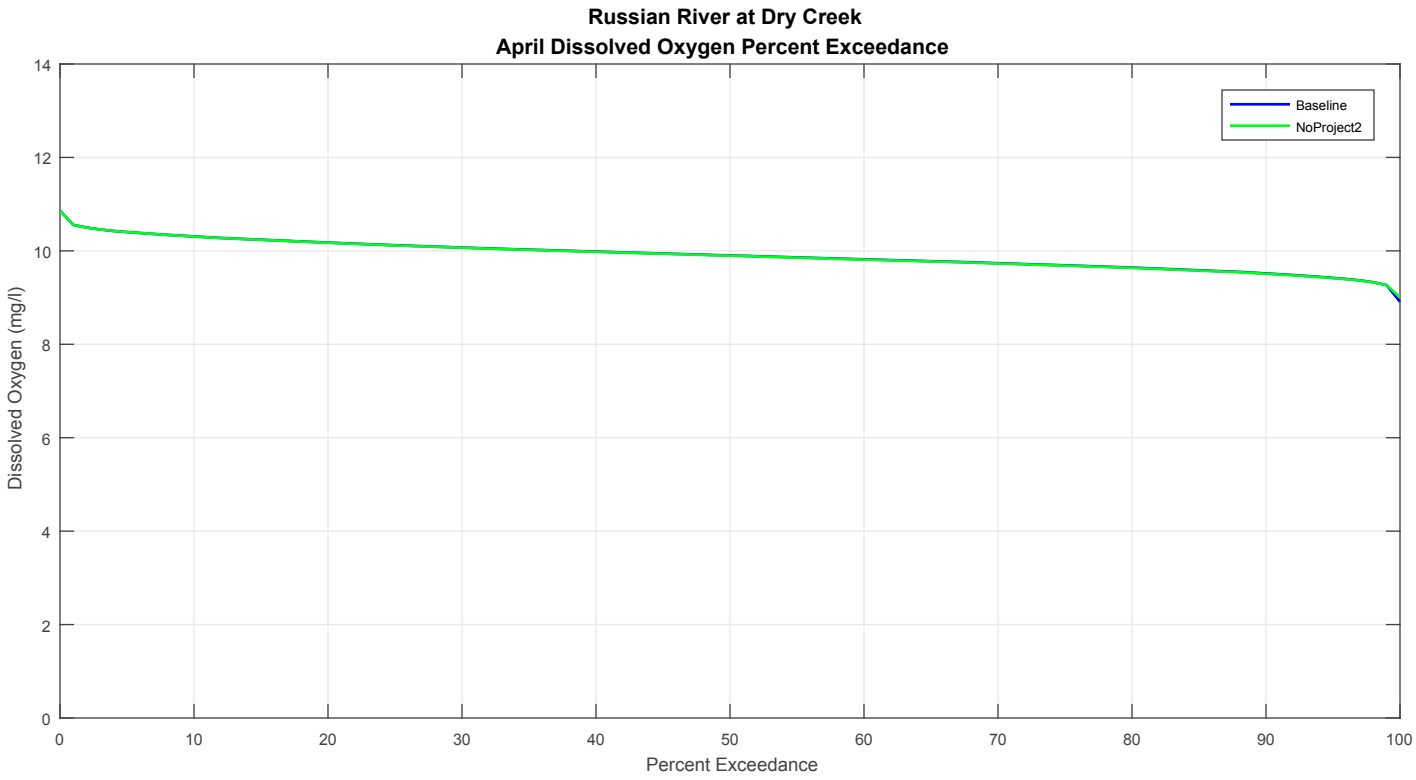
Russian River at Dry Creek
April Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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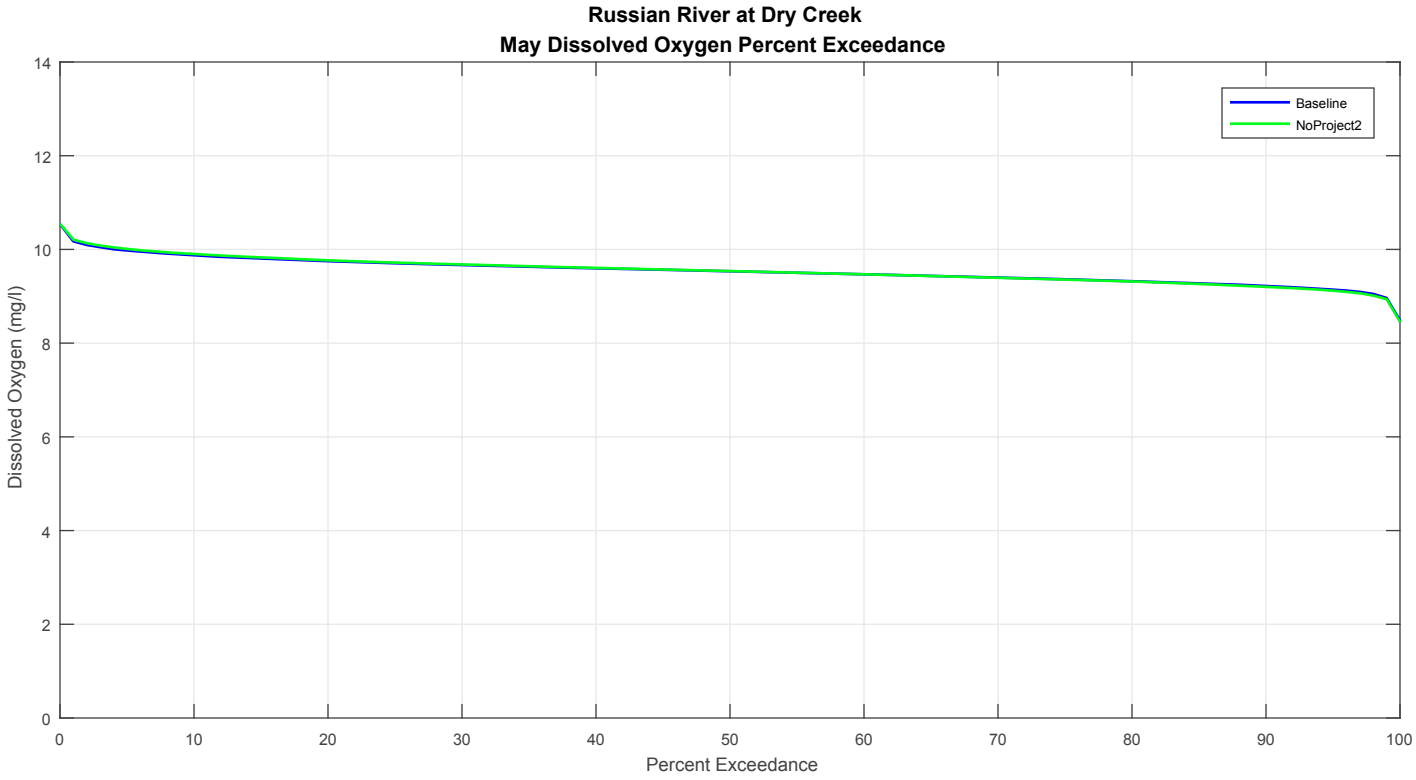
Russian River at Dry Creek
May Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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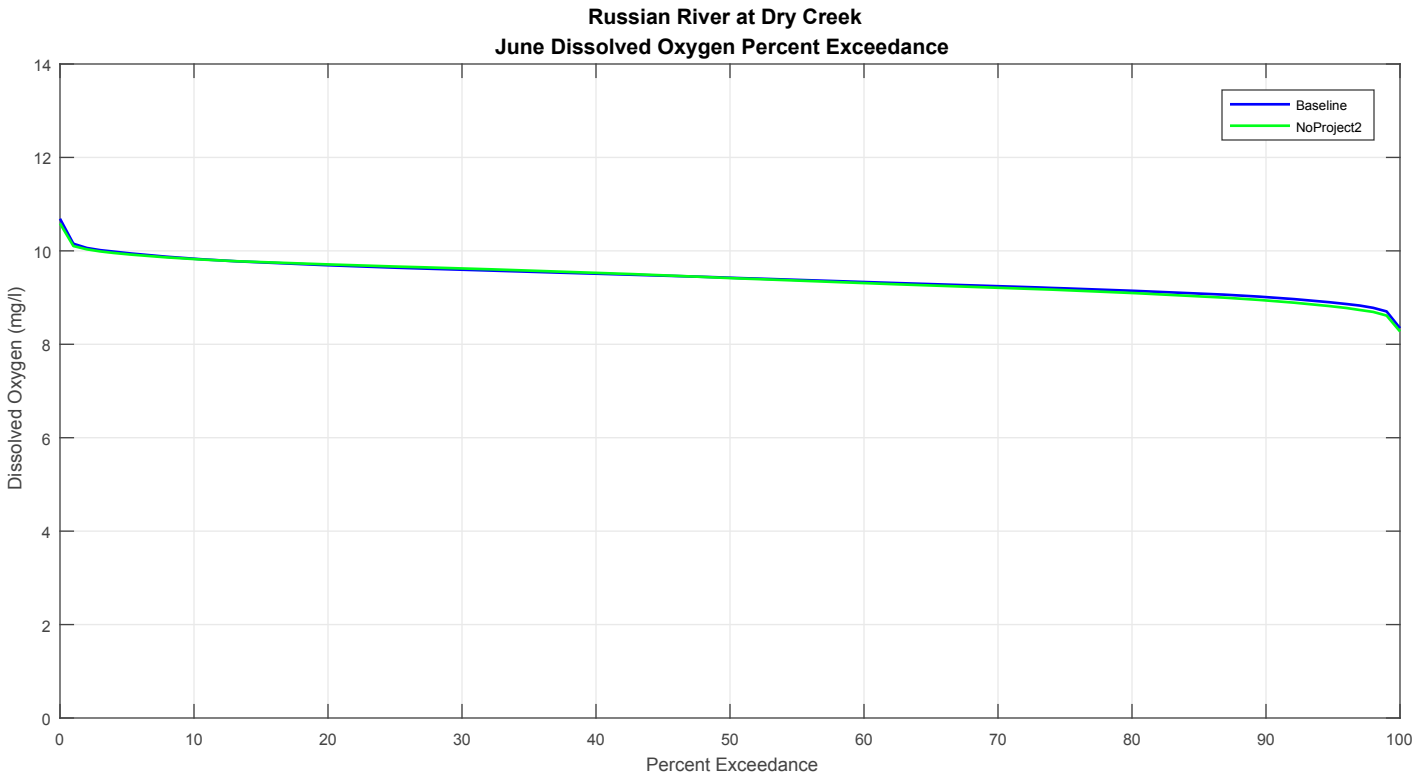
Russian River at Dry Creek
June Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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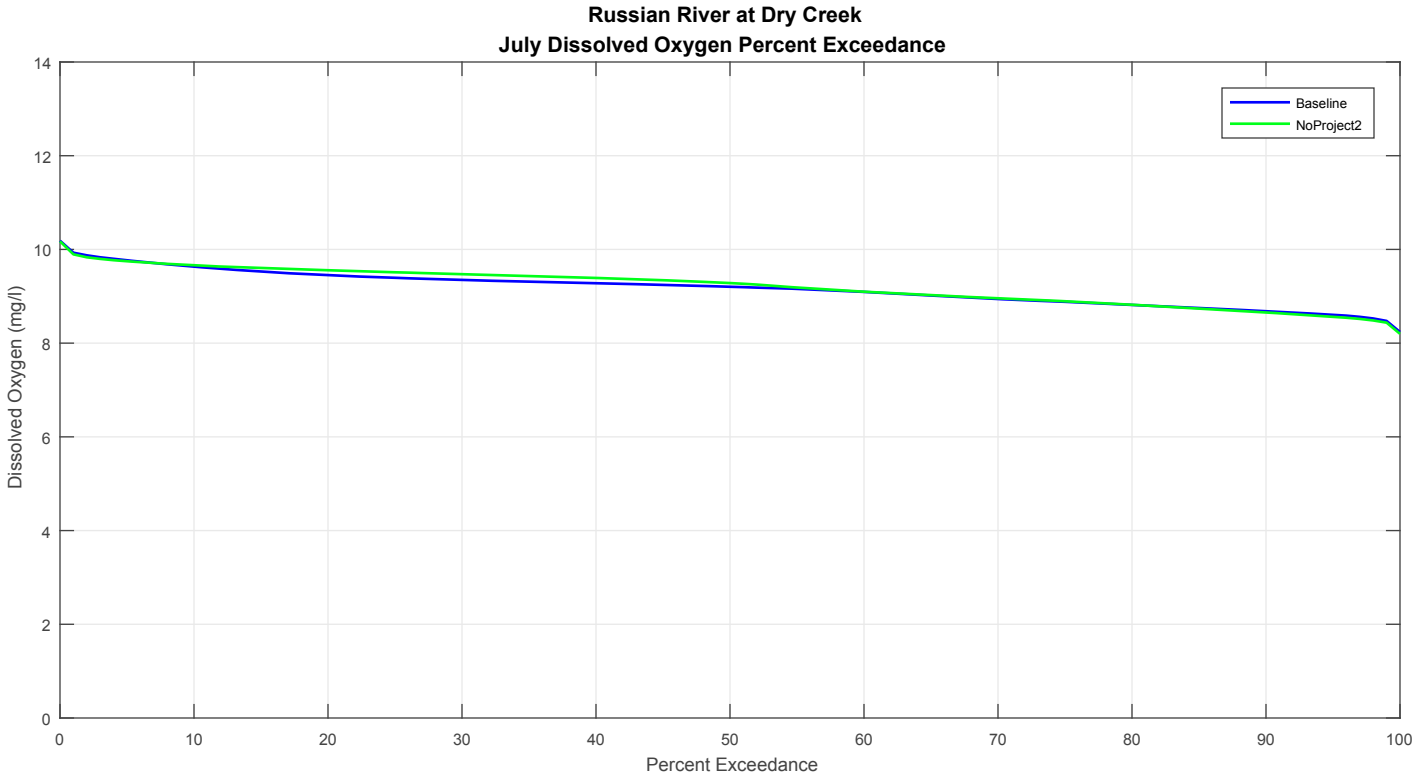
Russian River at Dry Creek
July Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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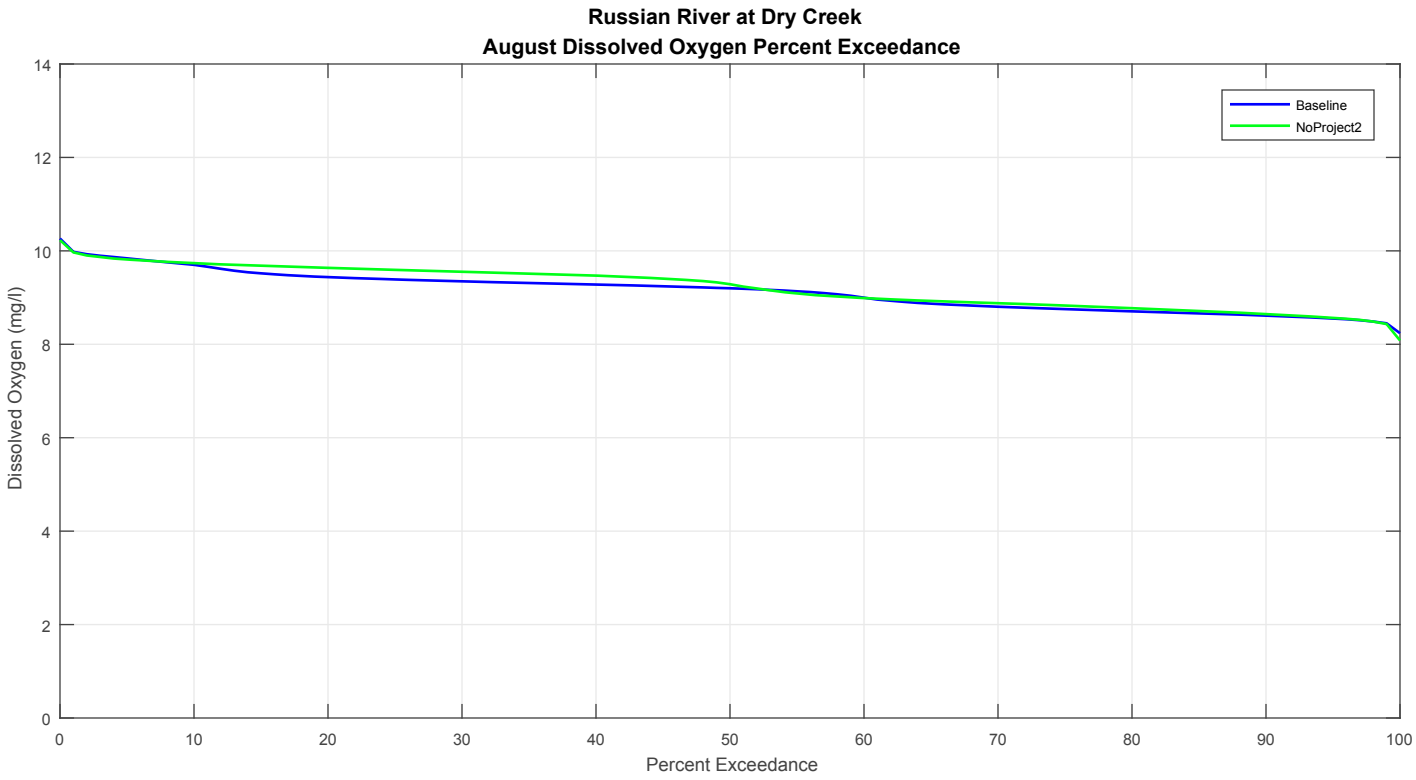
Russian River at Dry Creek
August Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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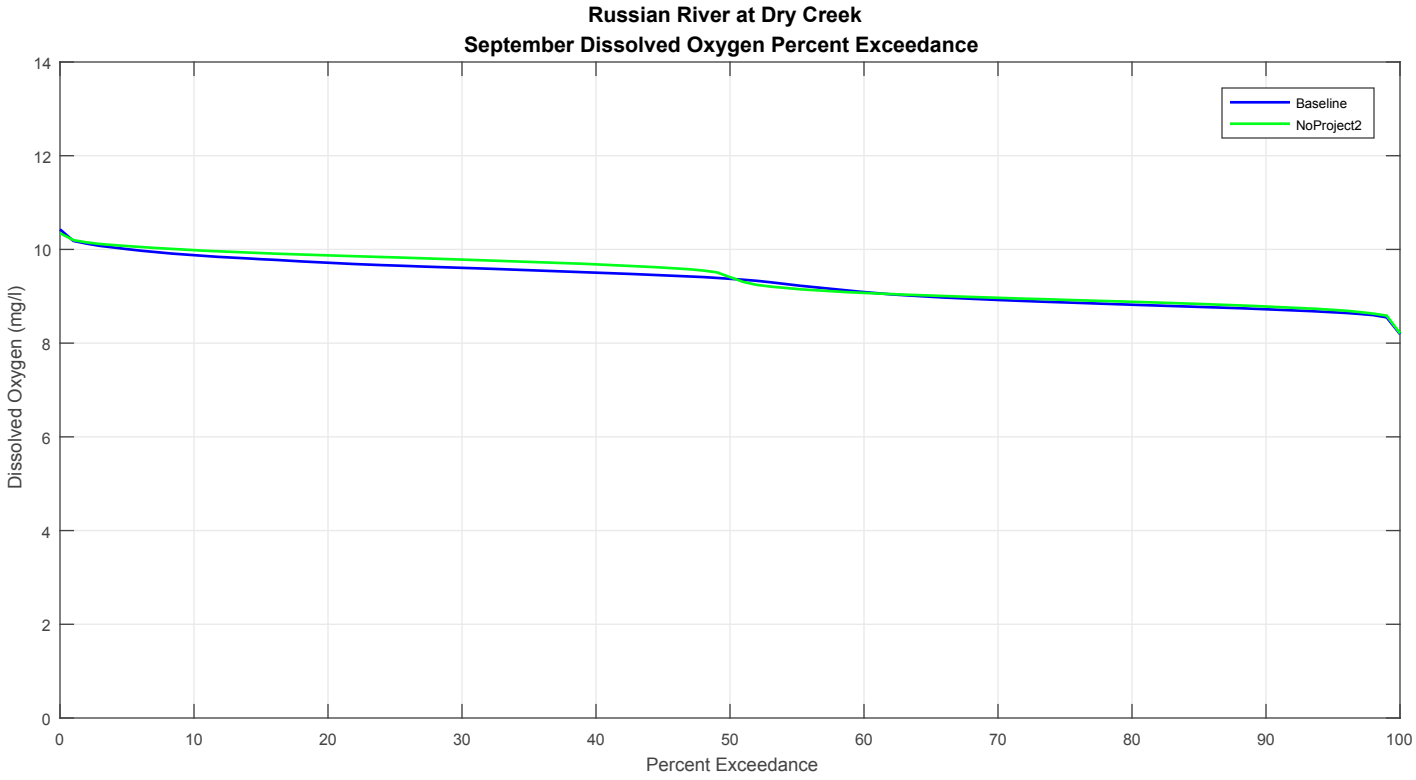
Russian River at Dry Creek
September Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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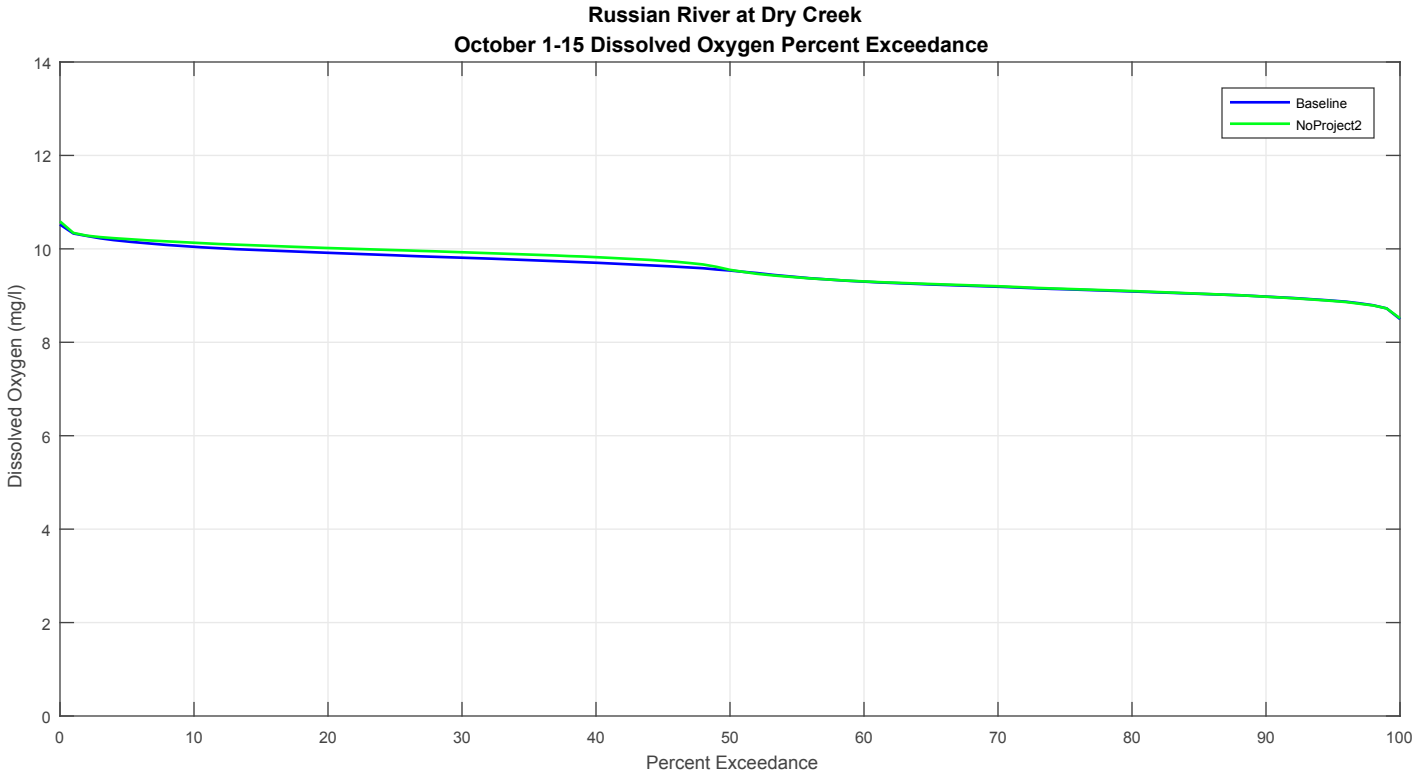
Russian River at Dry Creek
October 1-15 Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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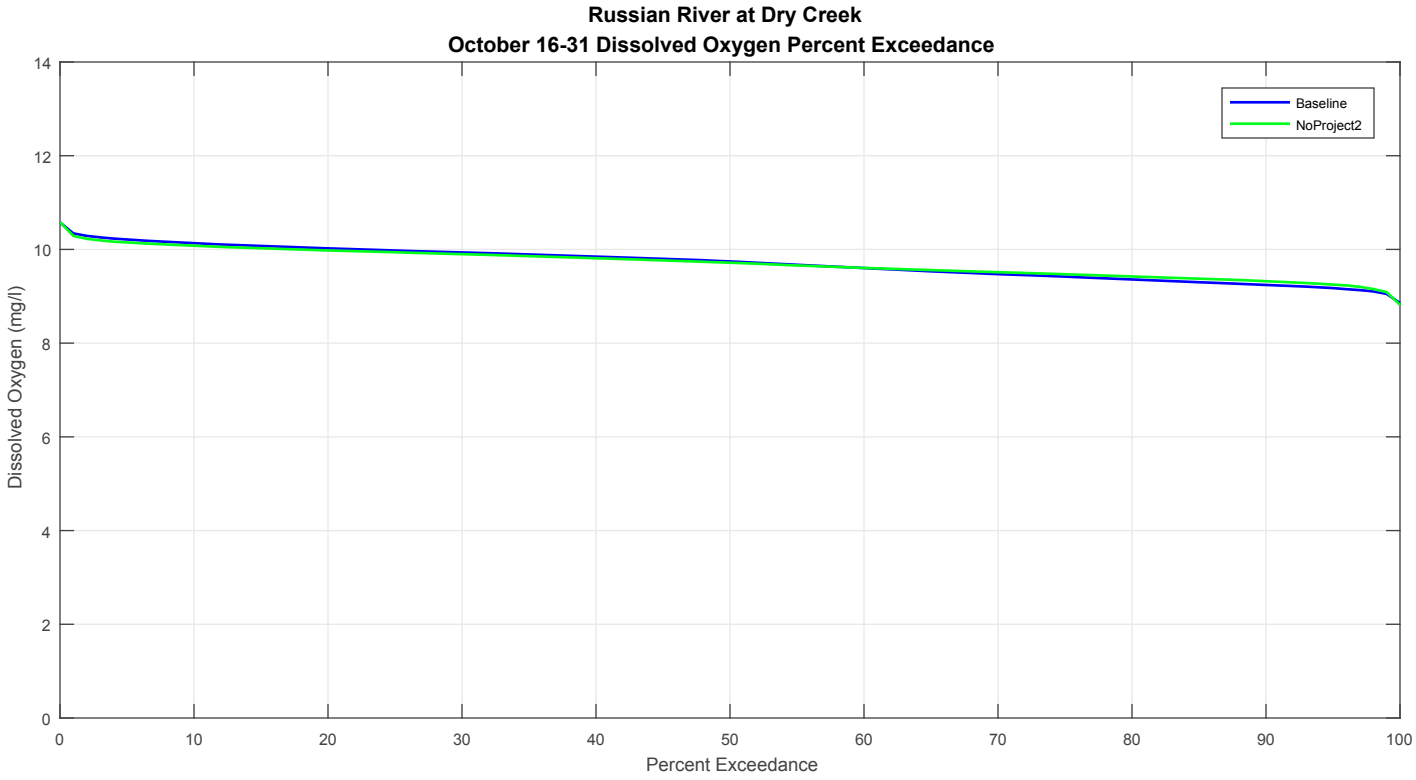
Russian River at Dry Creek
October 16-31 Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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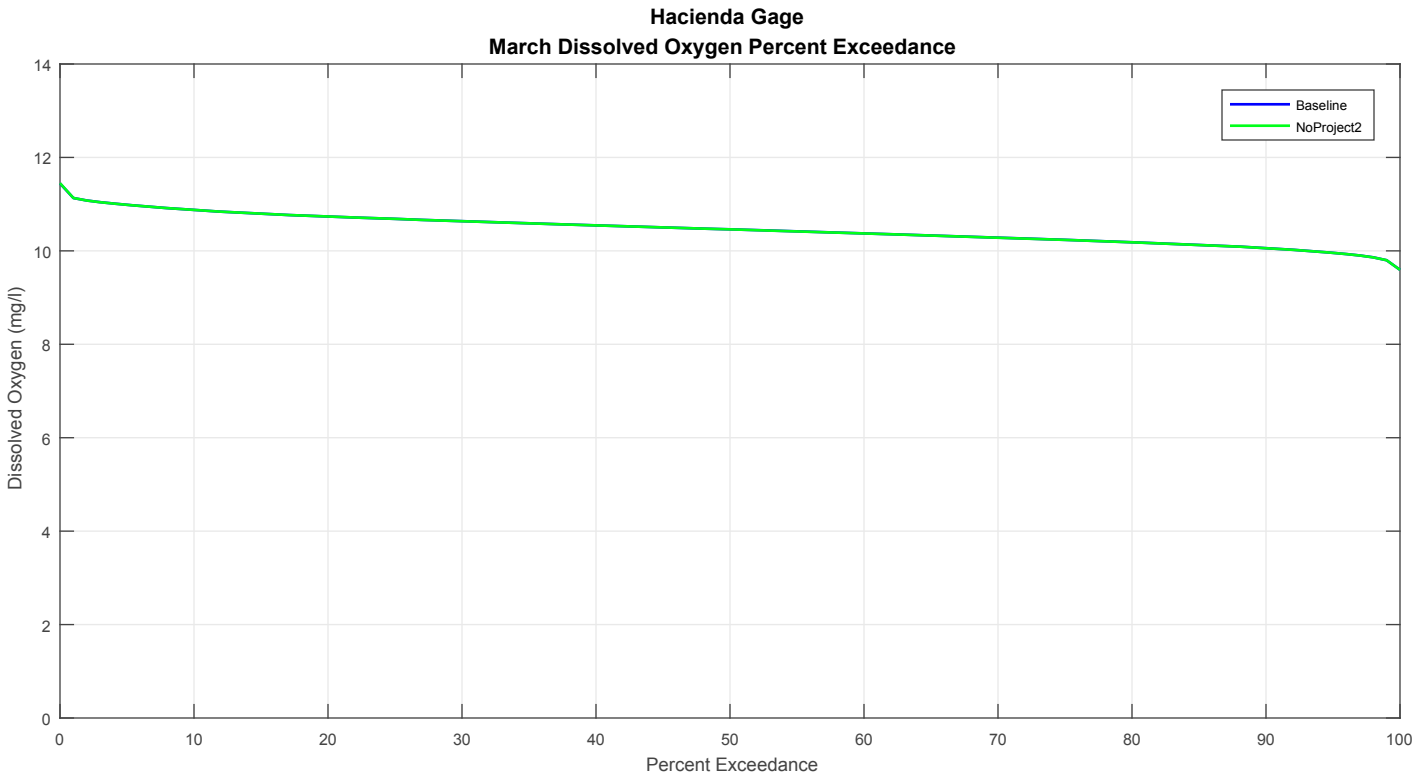
Hacienda Gage
March Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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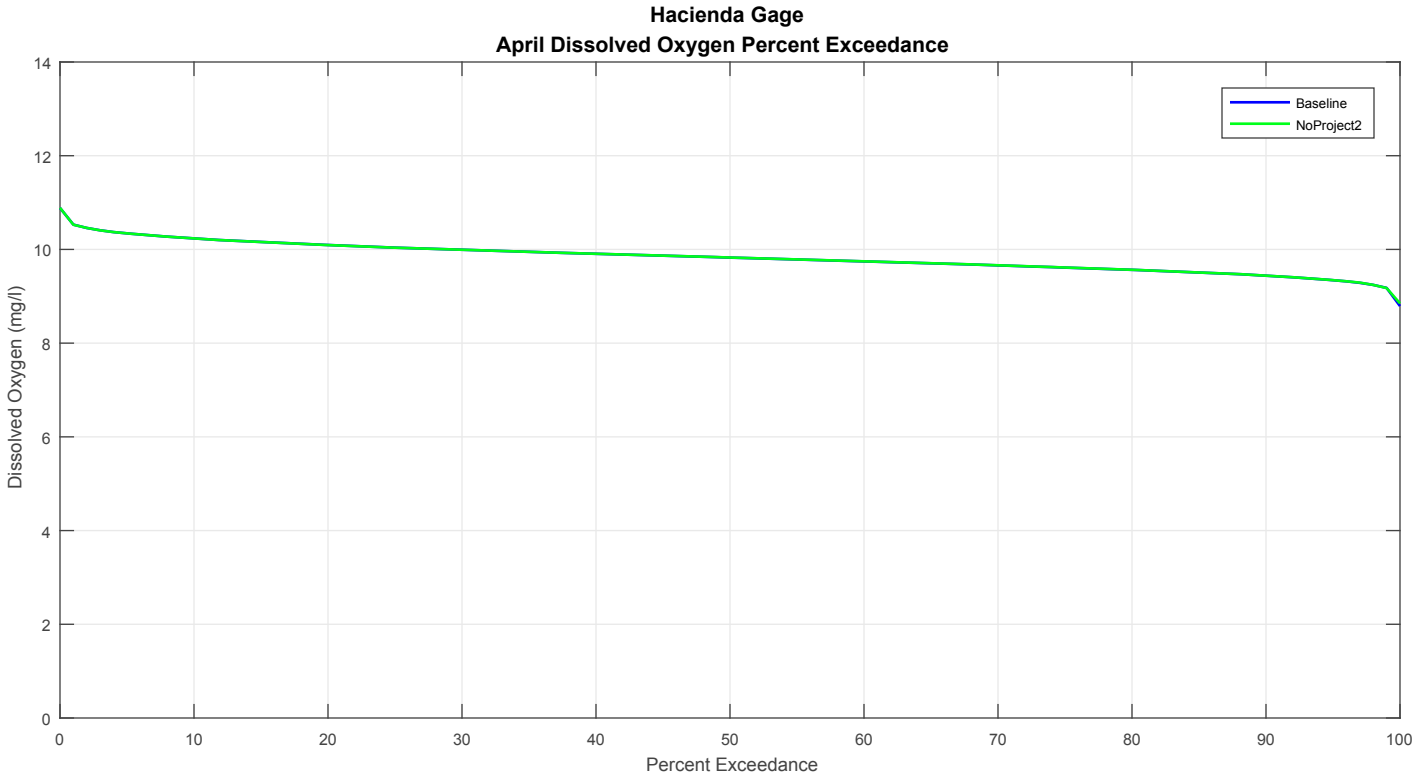
Hacienda Gage
April Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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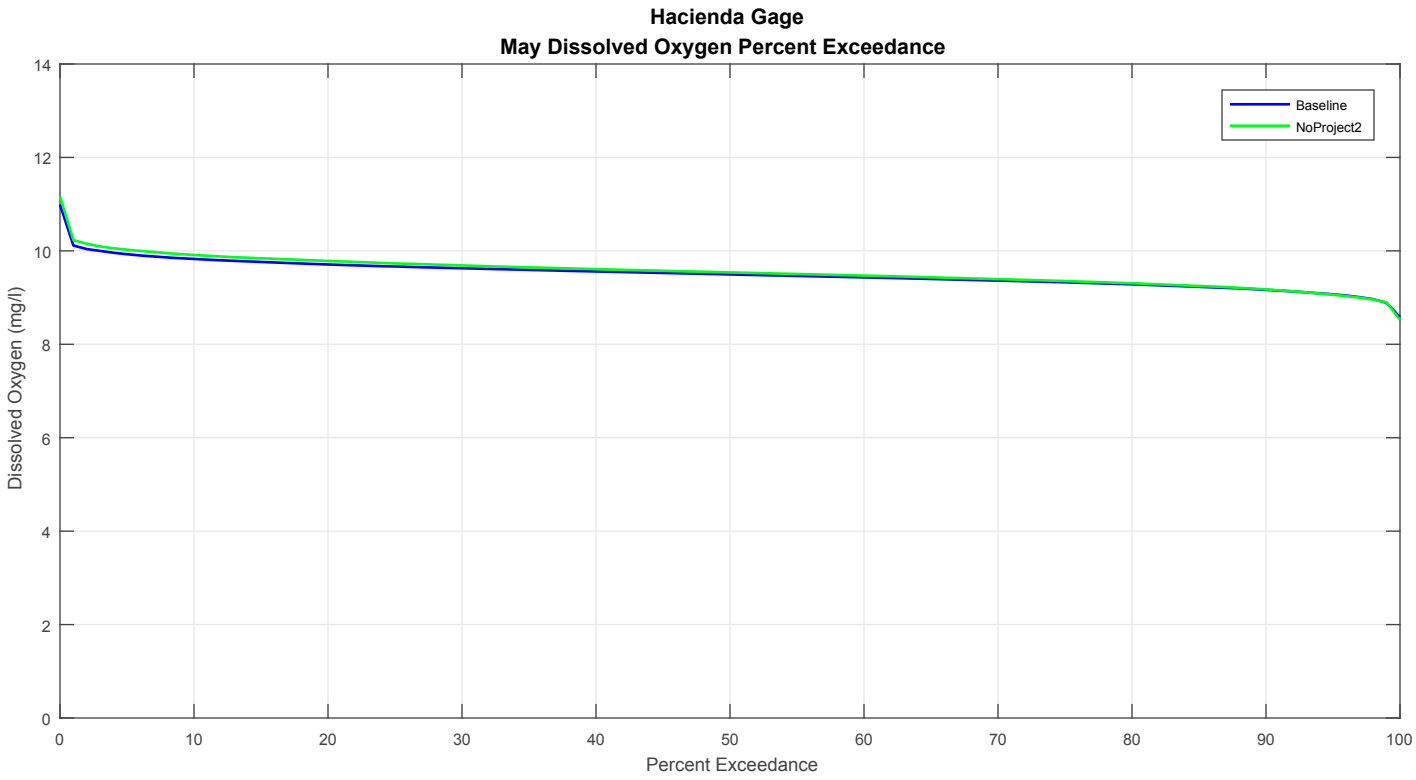
Hacienda Gage
May Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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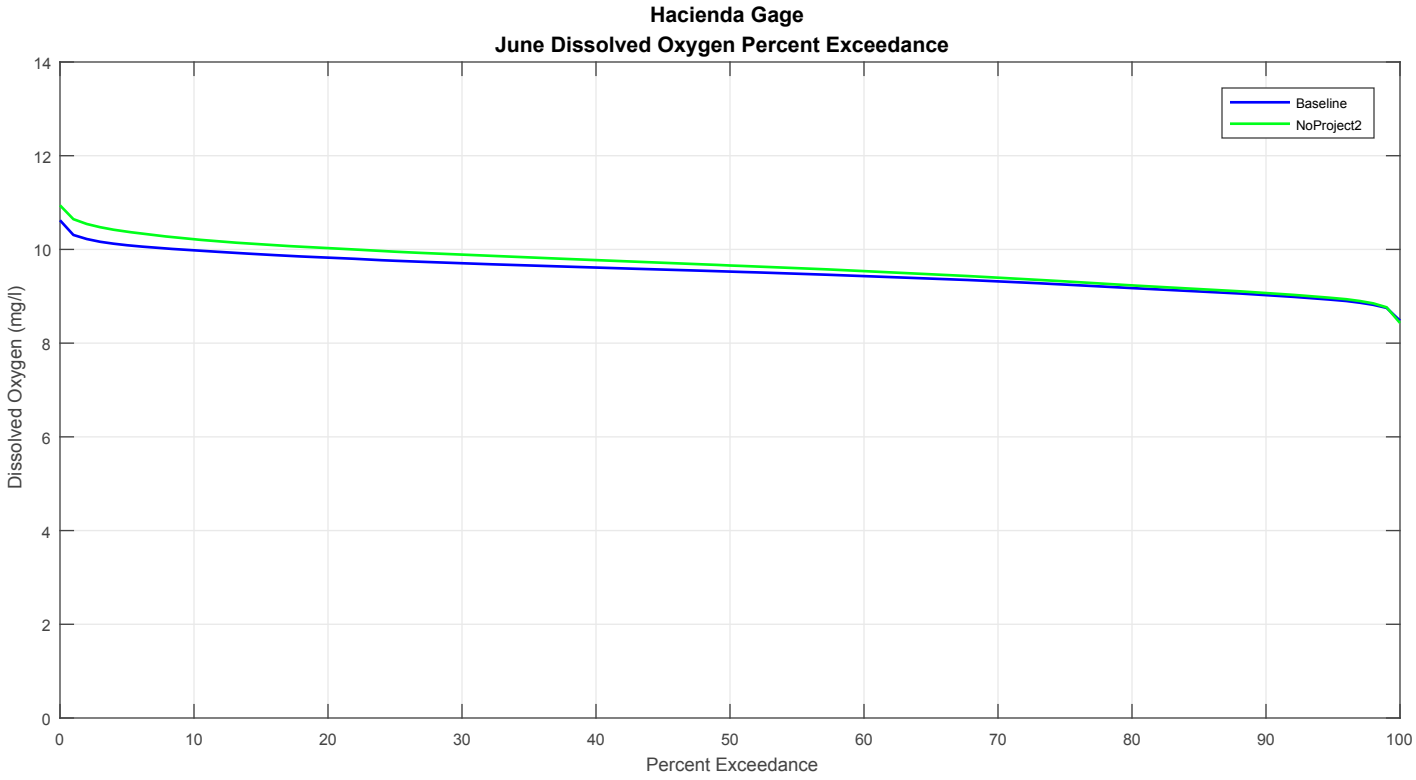
Hacienda Gage
June Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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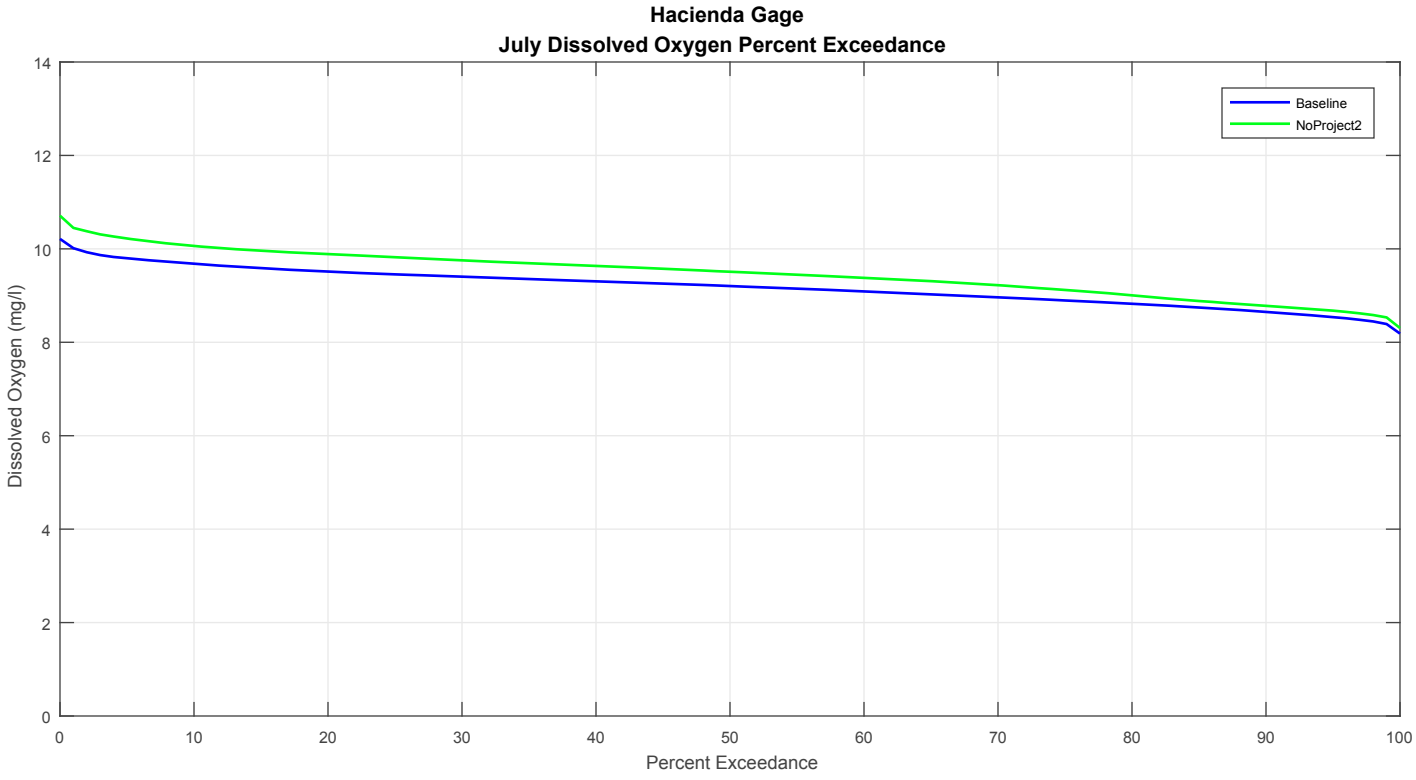
Hacienda Gage
July Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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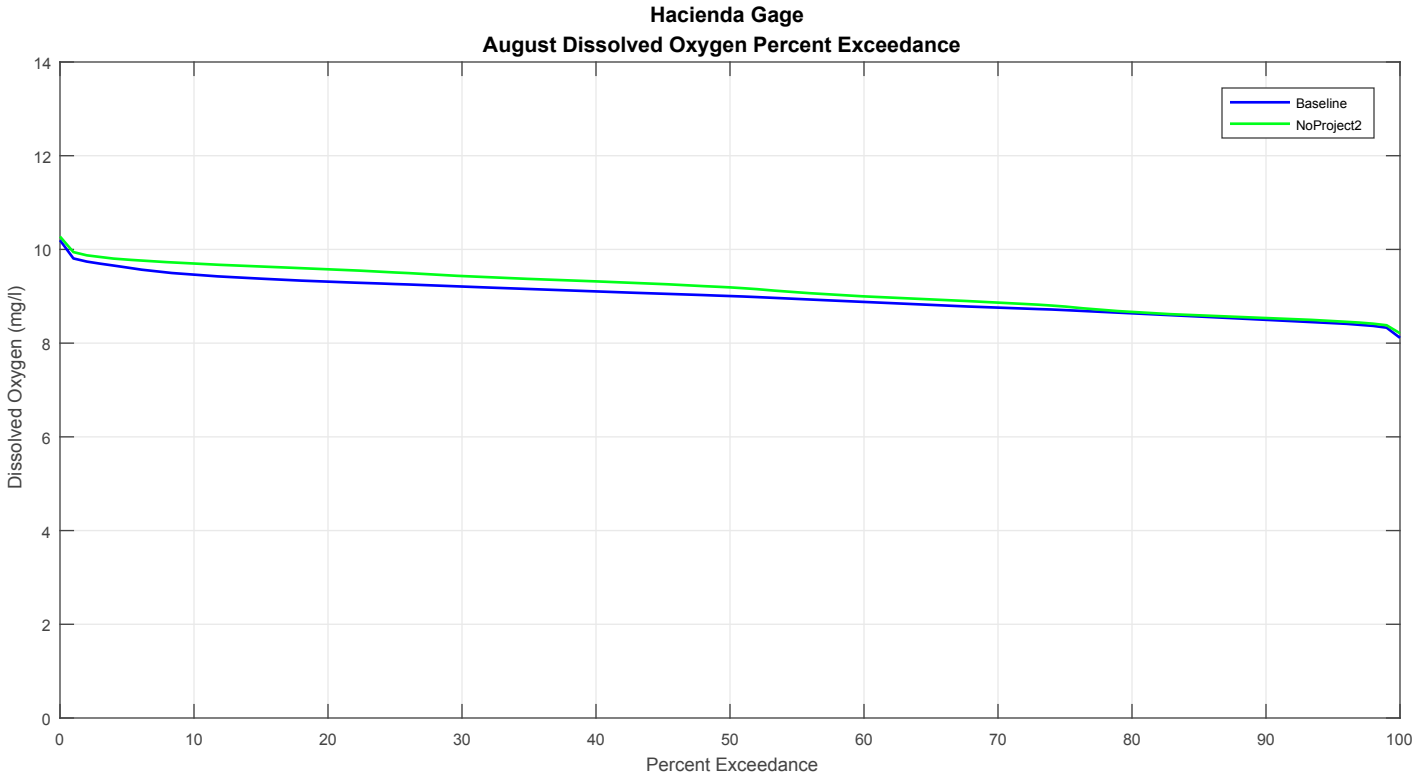
Hacienda Gage
August Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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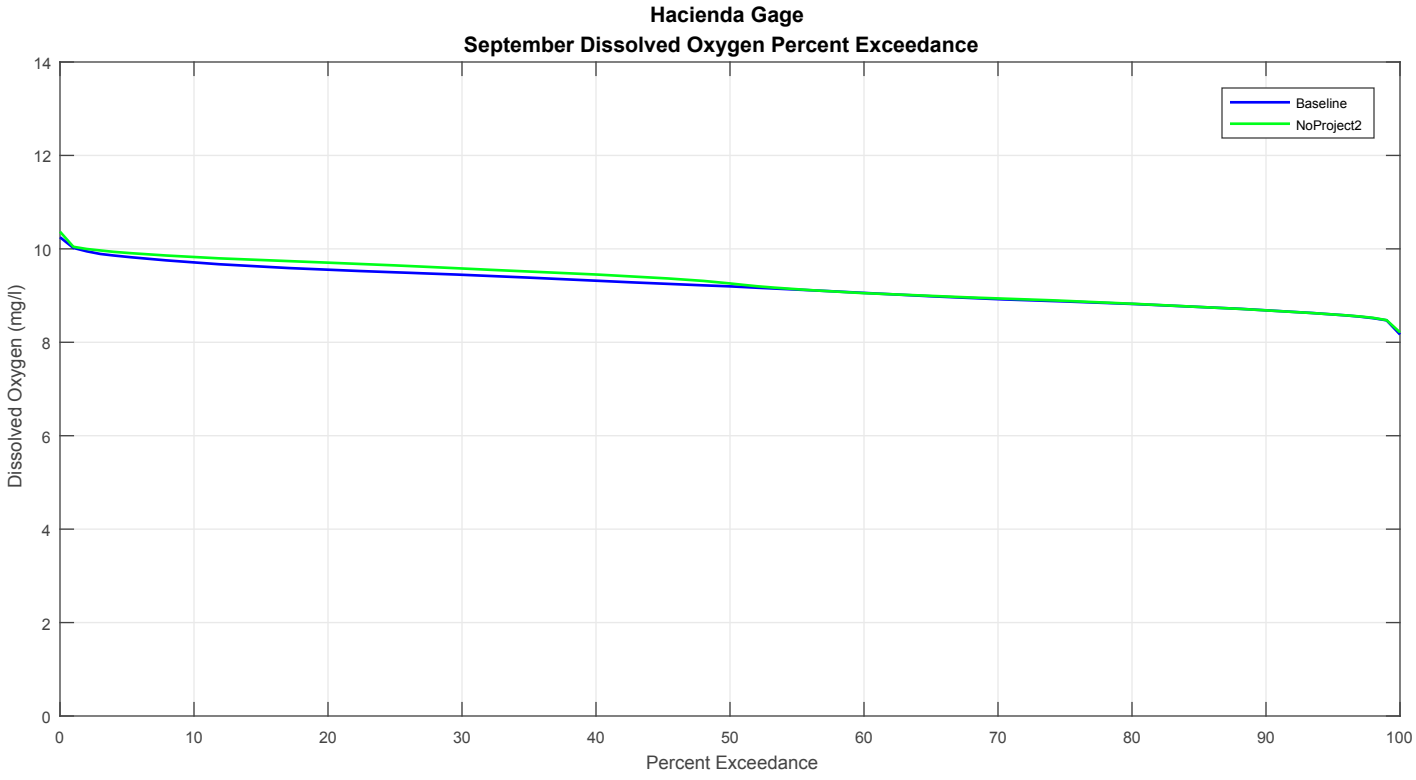
Hacienda Gage
September Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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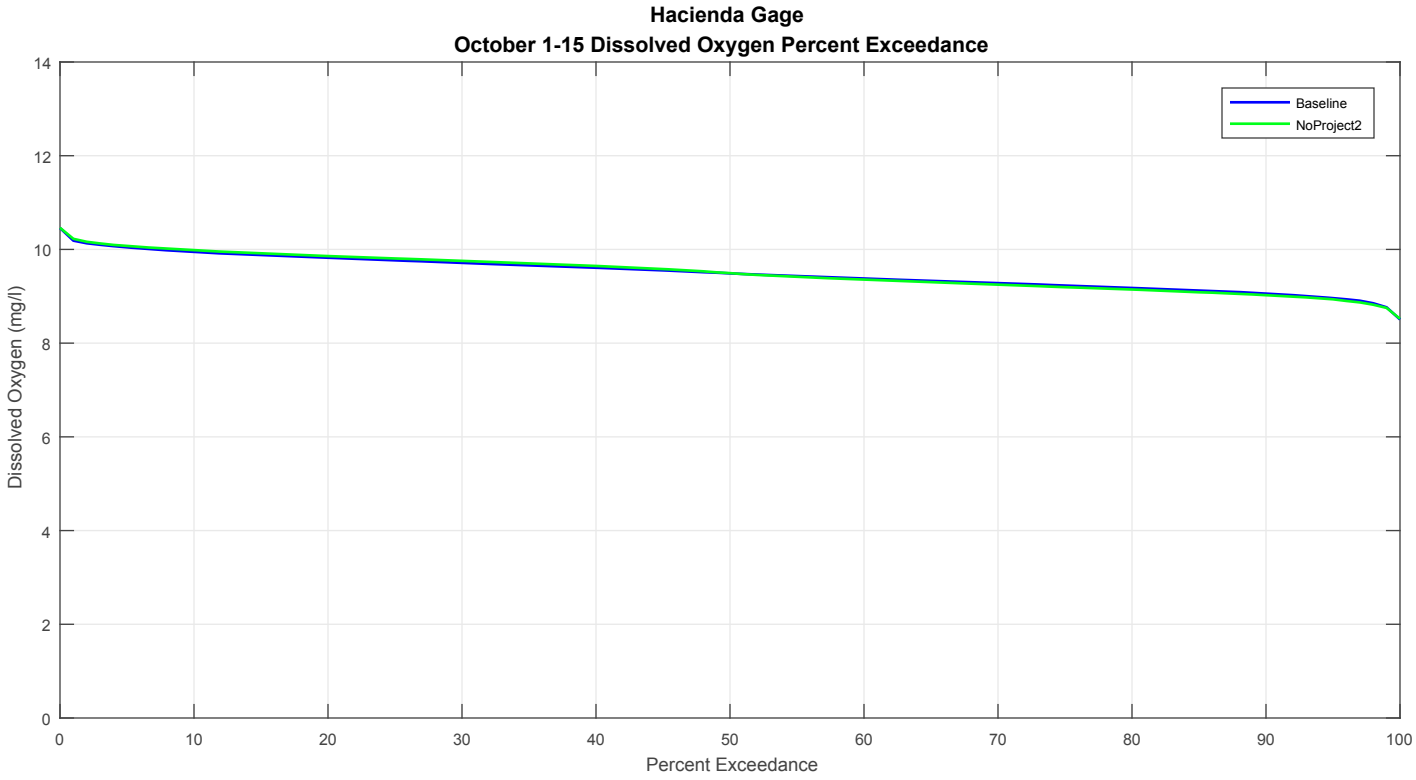
Hacienda Gage
October 1-15 Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
14
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30
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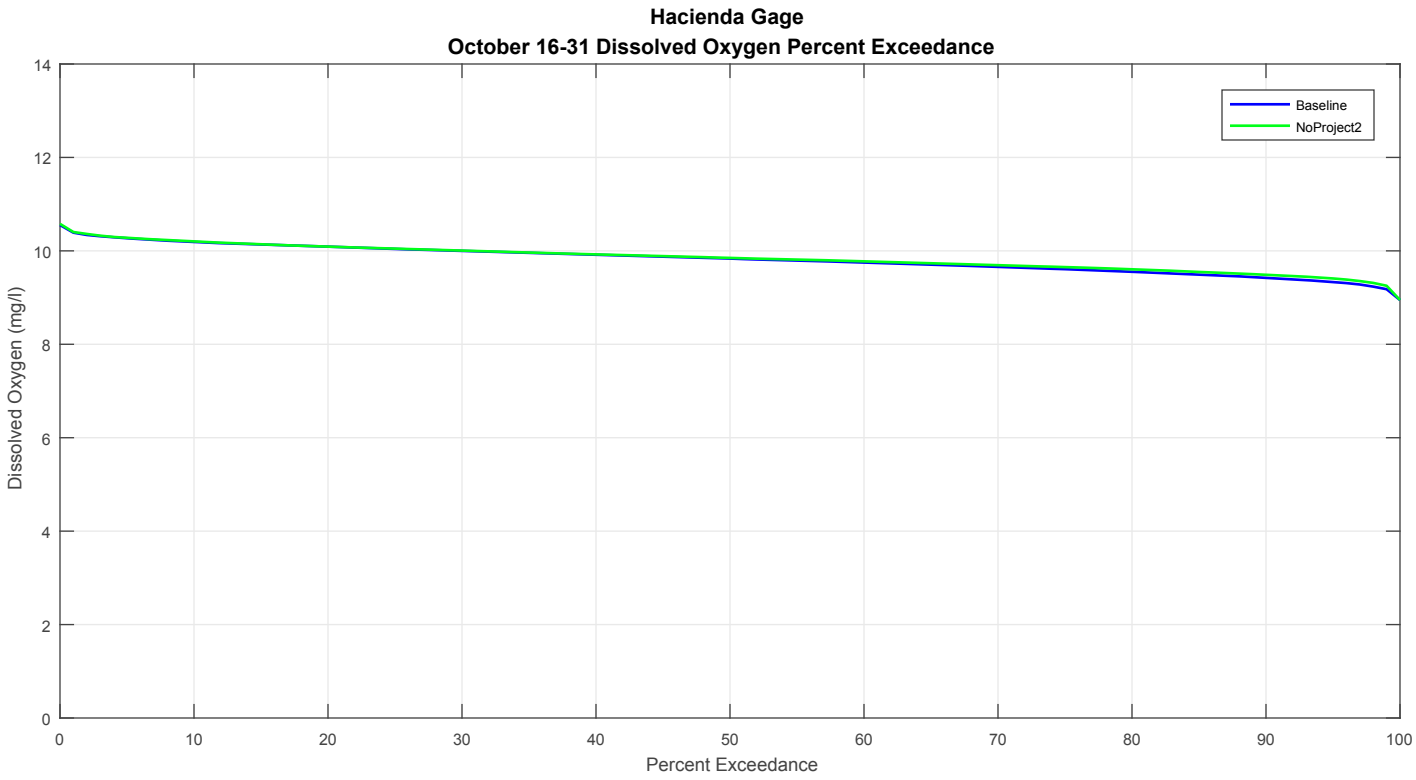
90
100


Hacienda Gage
October 16-31 Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
14
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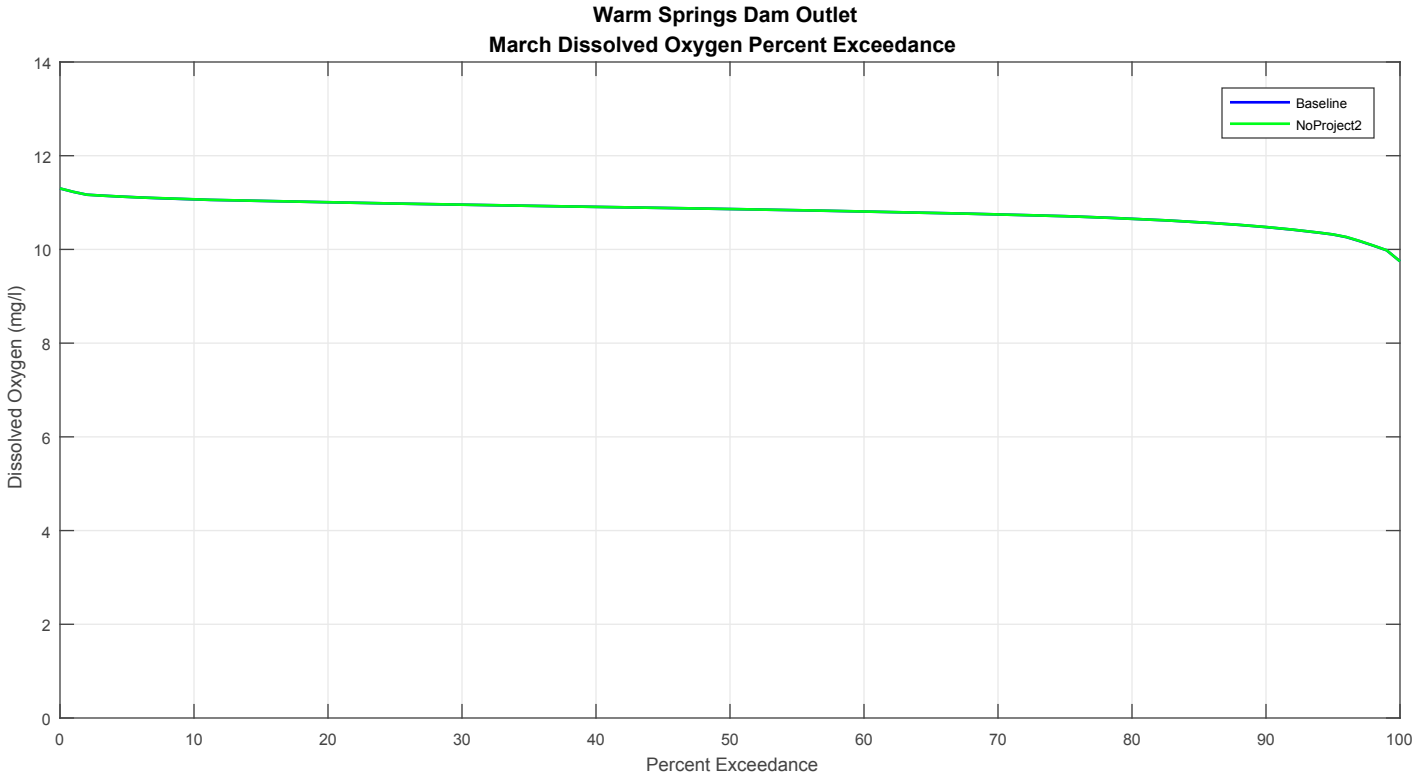
Warm Springs Dam Outlet
March Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
14
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30
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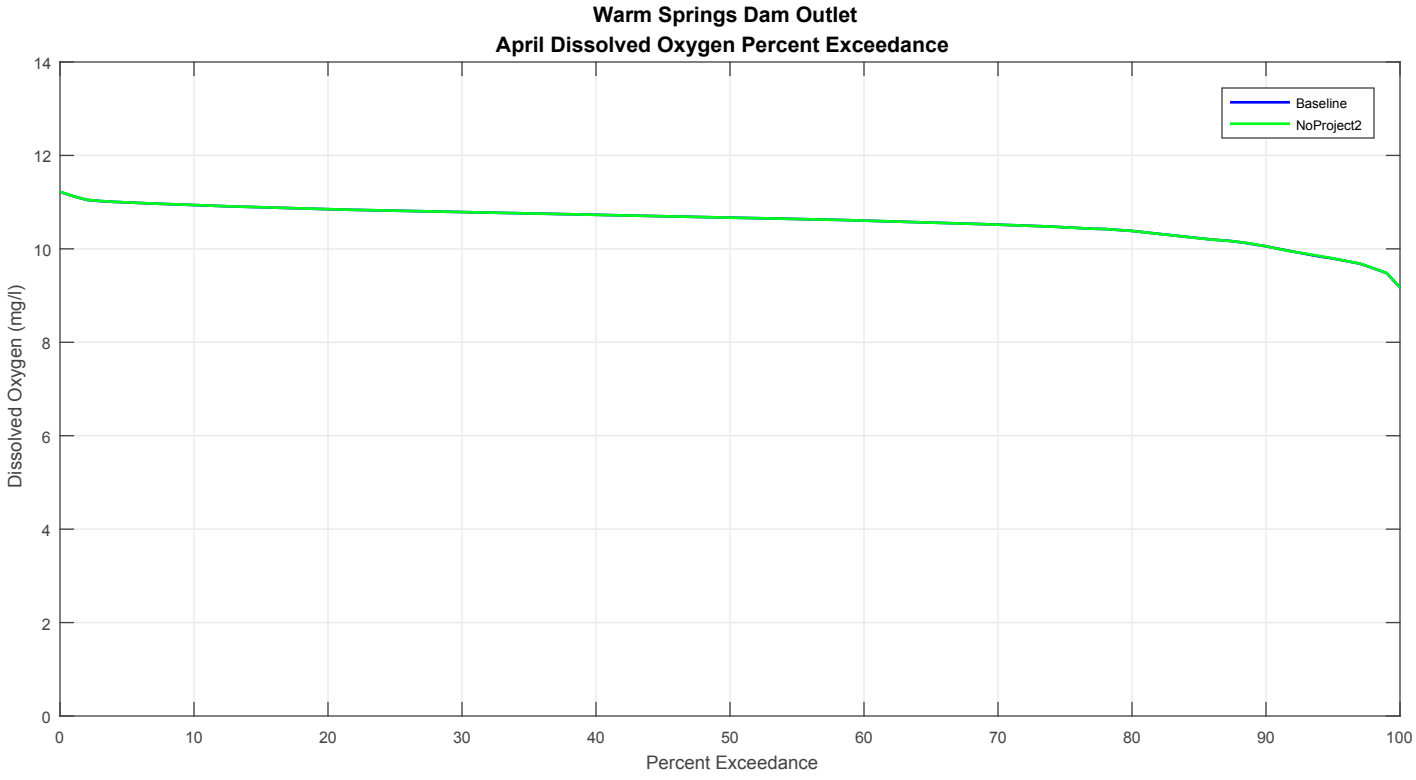
Warm Springs Dam Outlet
April Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
14
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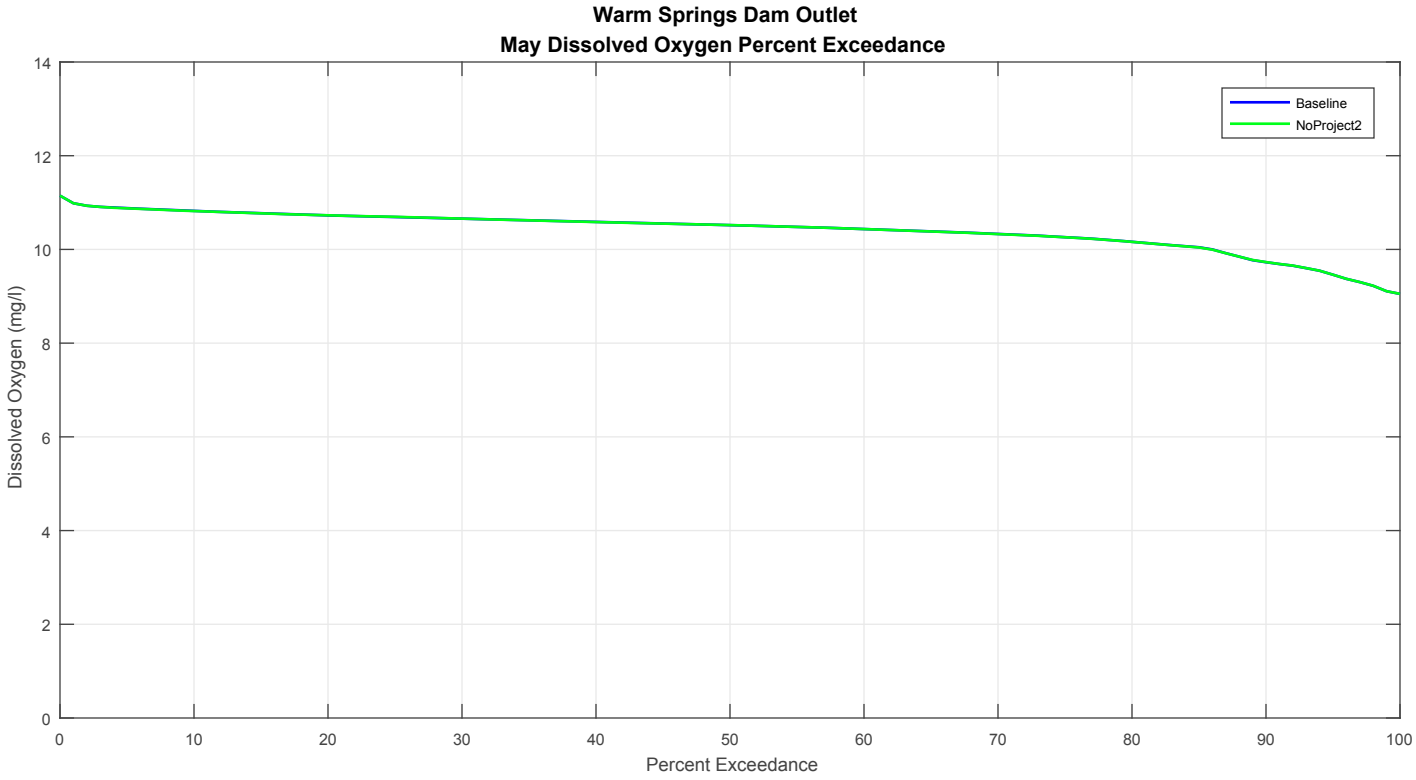
Warm Springs Dam Outlet
May Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
0
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4
6
8
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12
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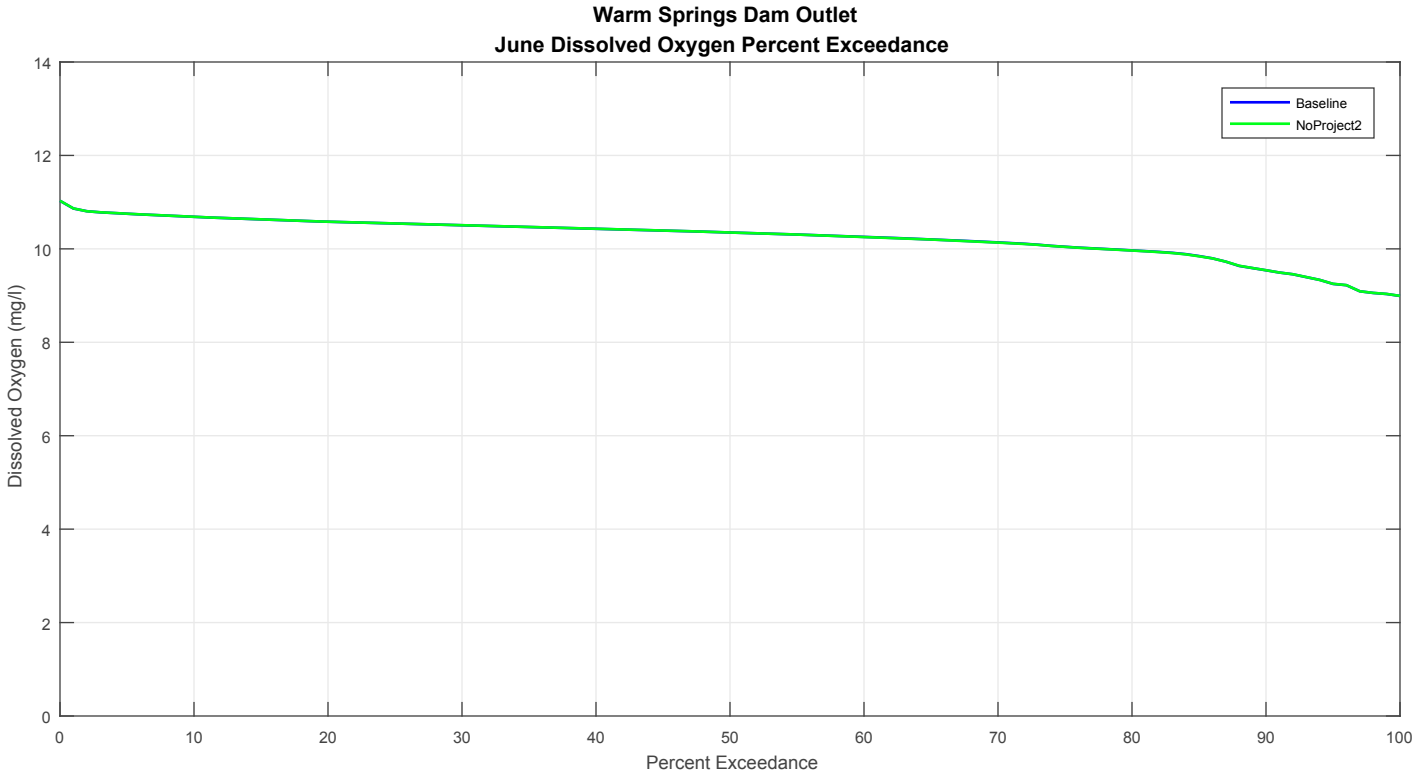
Warm Springs Dam Outlet
June Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
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10
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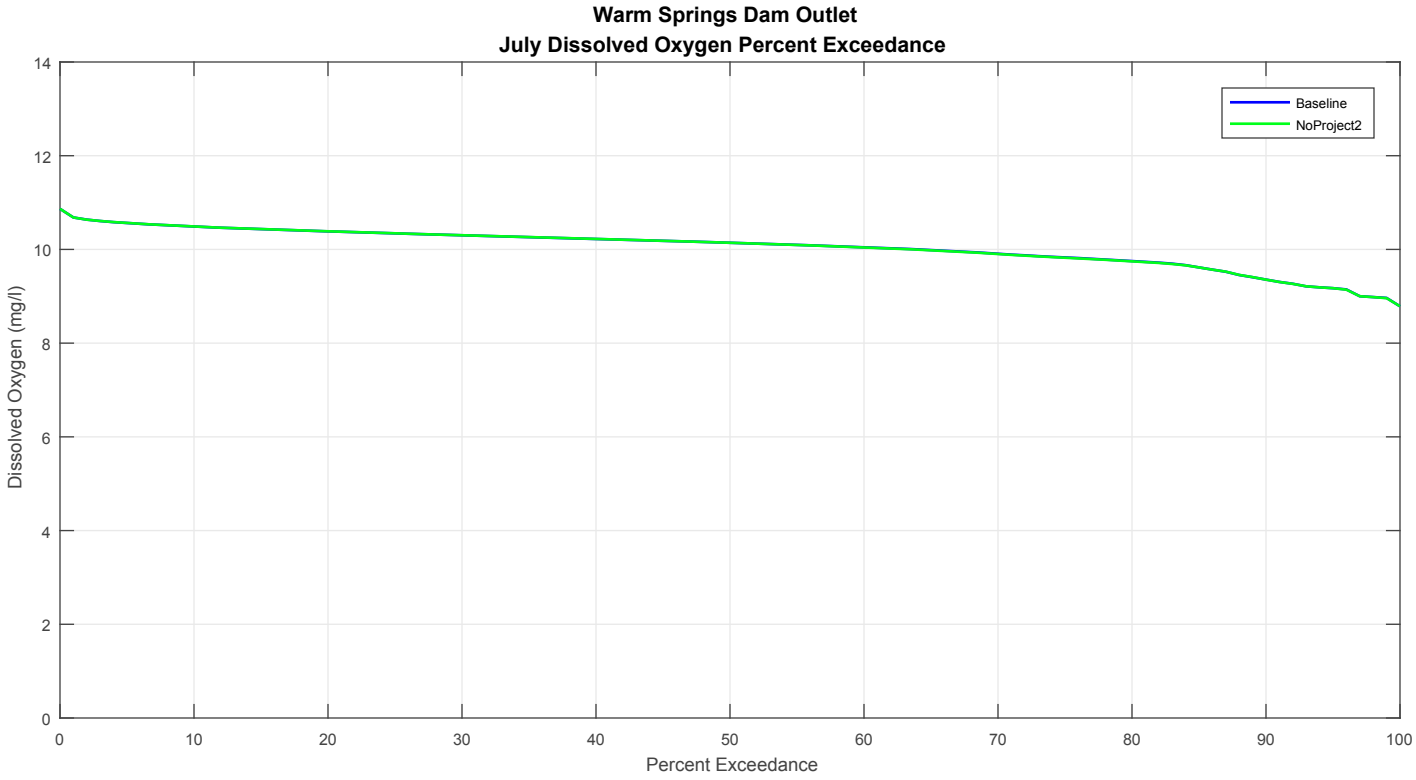
Warm Springs Dam Outlet
July Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
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6
8
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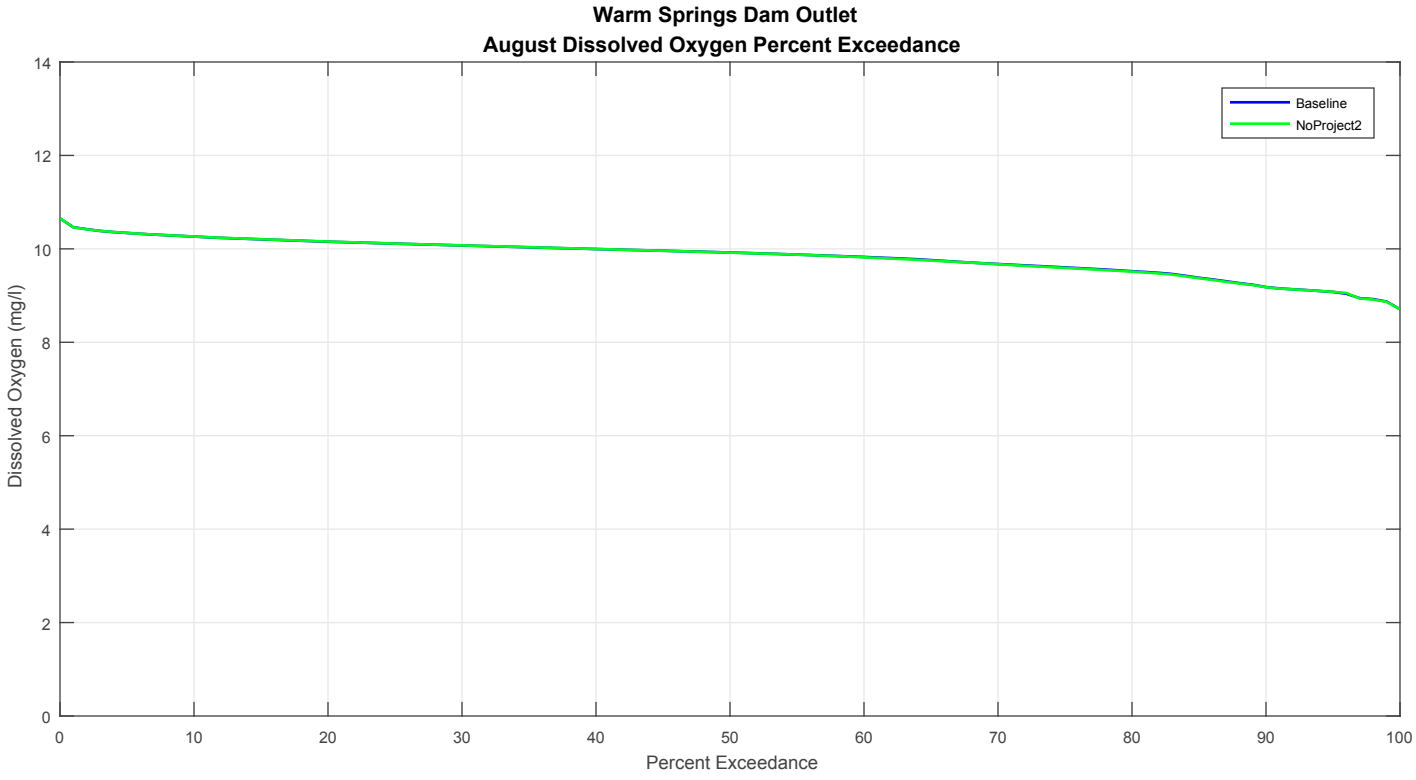
Warm Springs Dam Outlet
August Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
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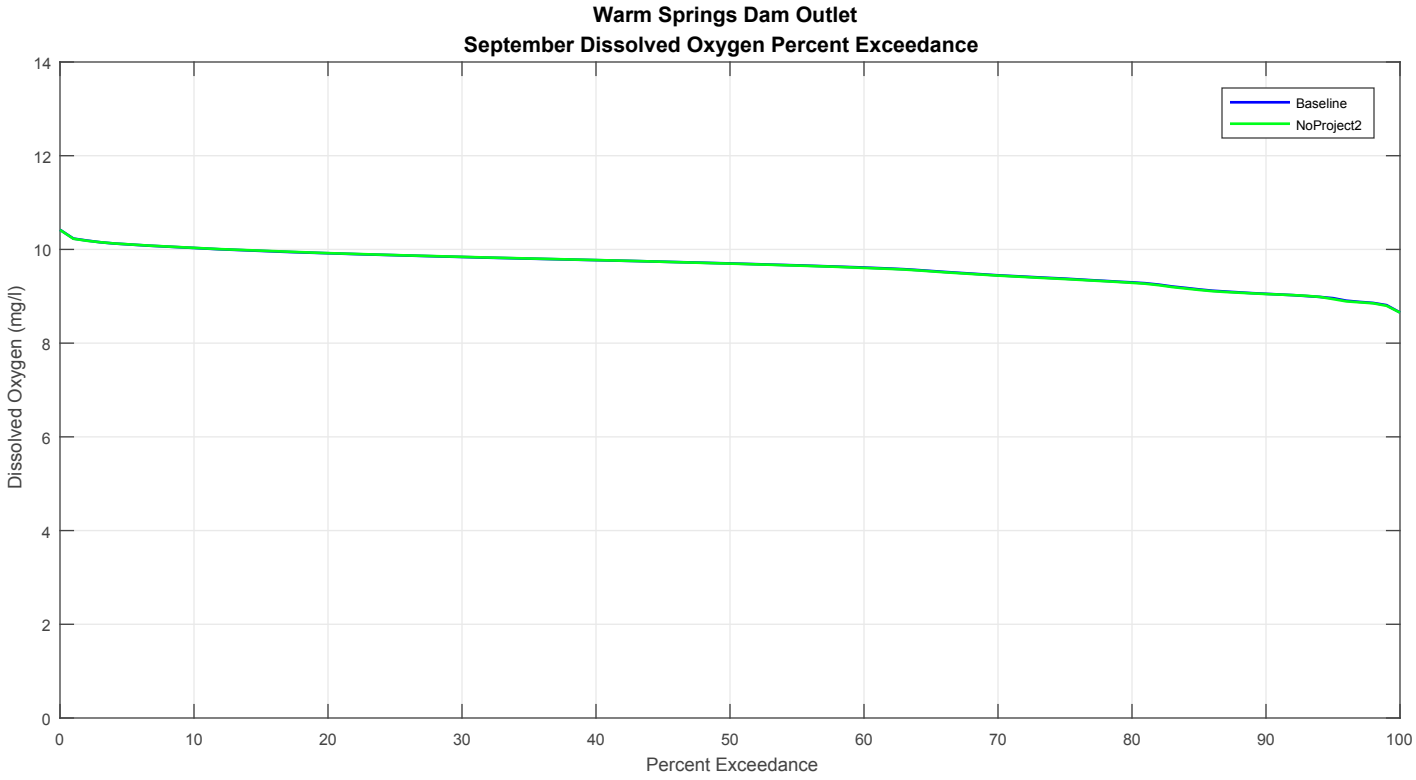
Warm Springs Dam Outlet
September Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
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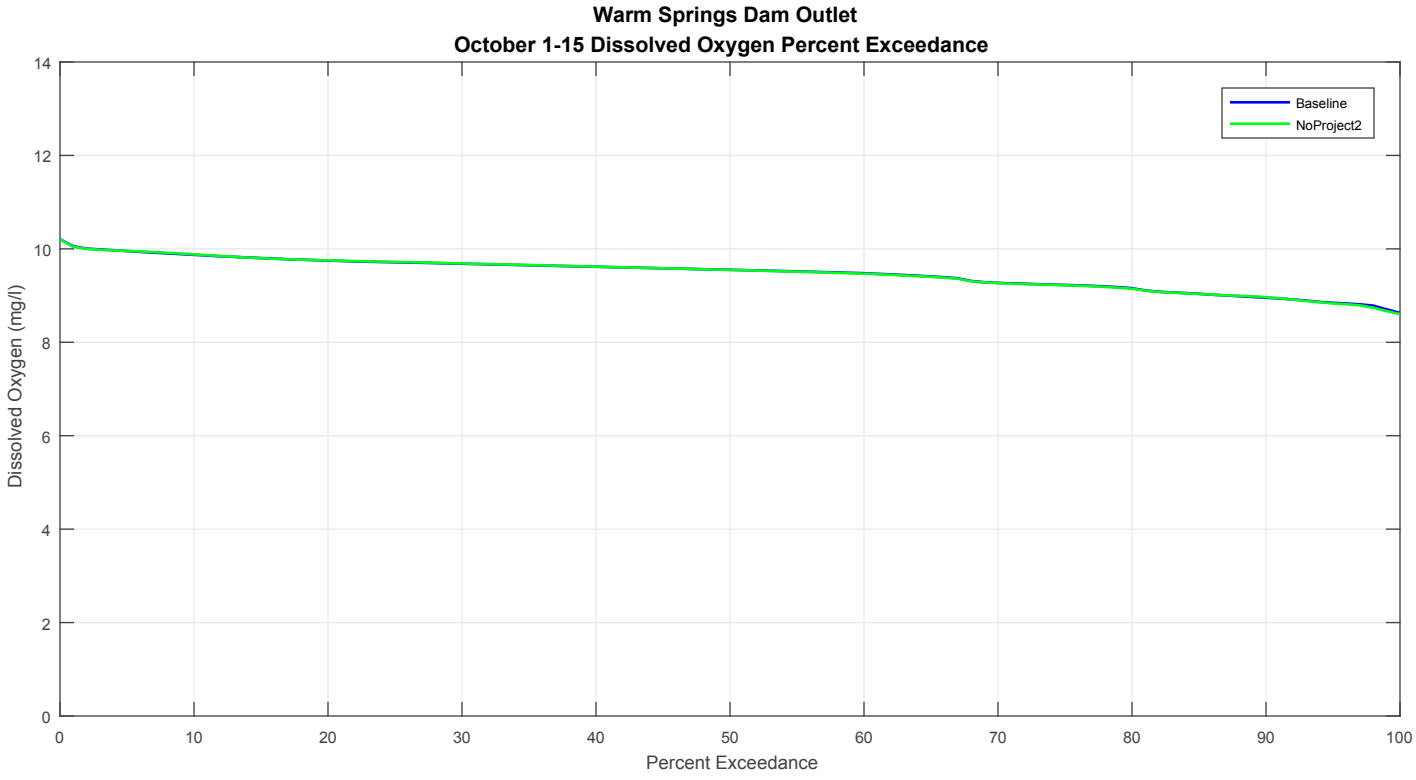
Warm Springs Dam Outlet
October 1-15 Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
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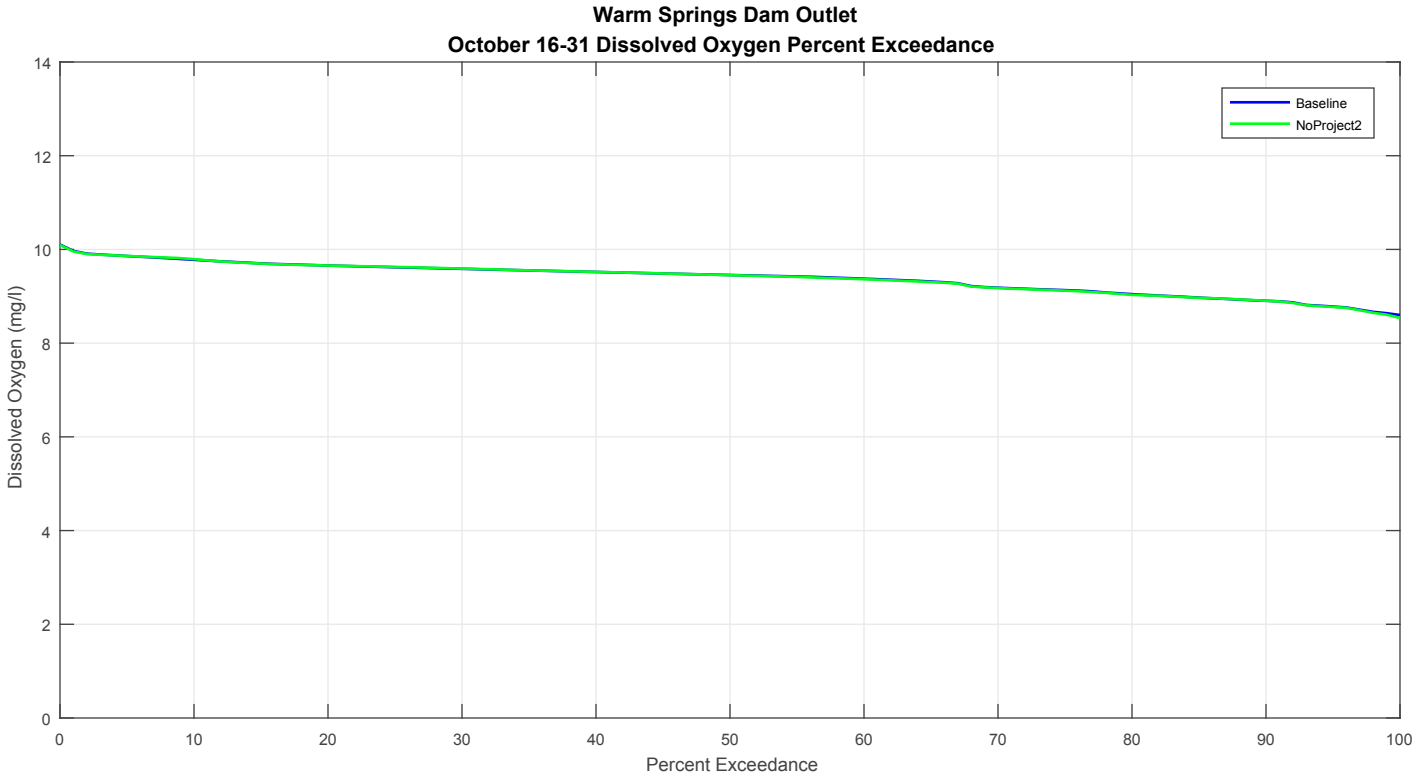
Warm Springs Dam Outlet
October 16-31 Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
0
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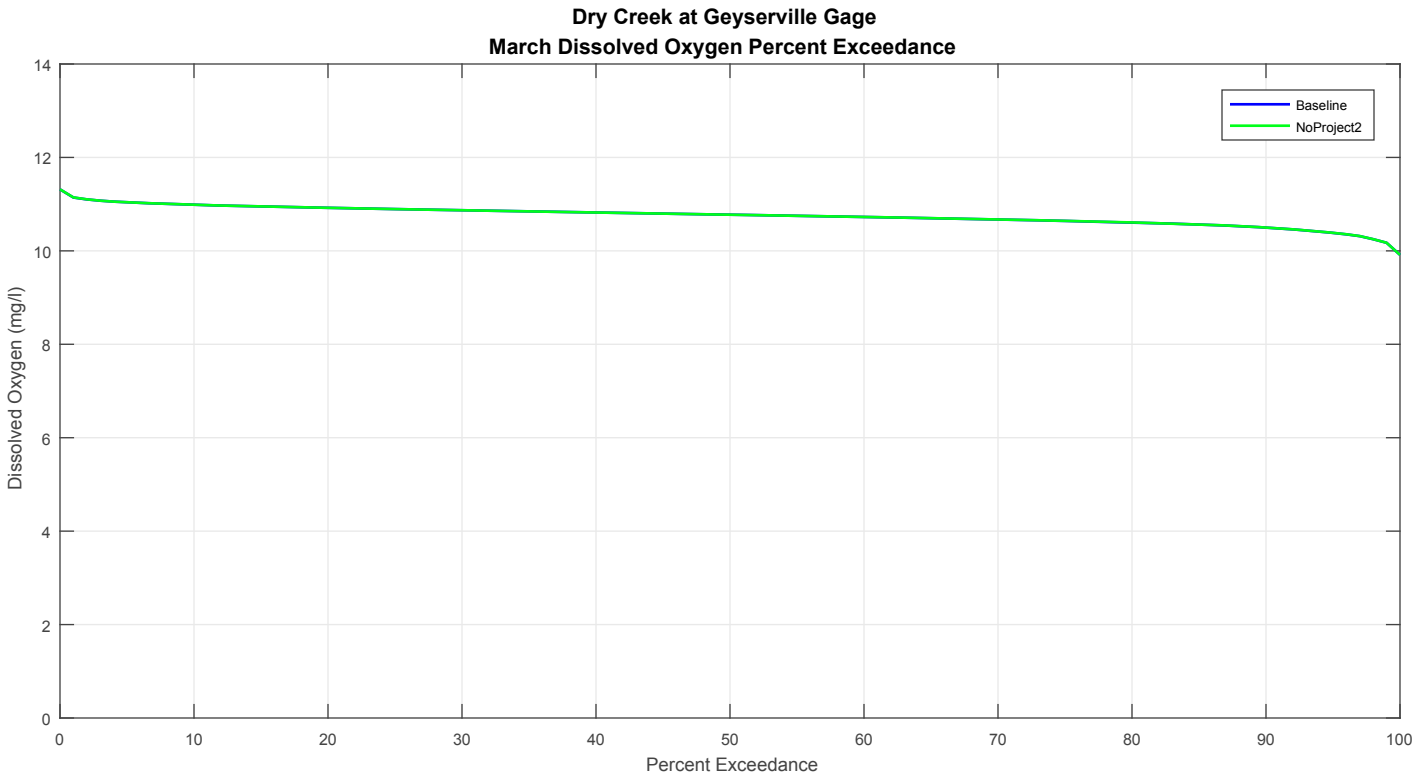
Dry Creek at Geyserville Gage
March Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
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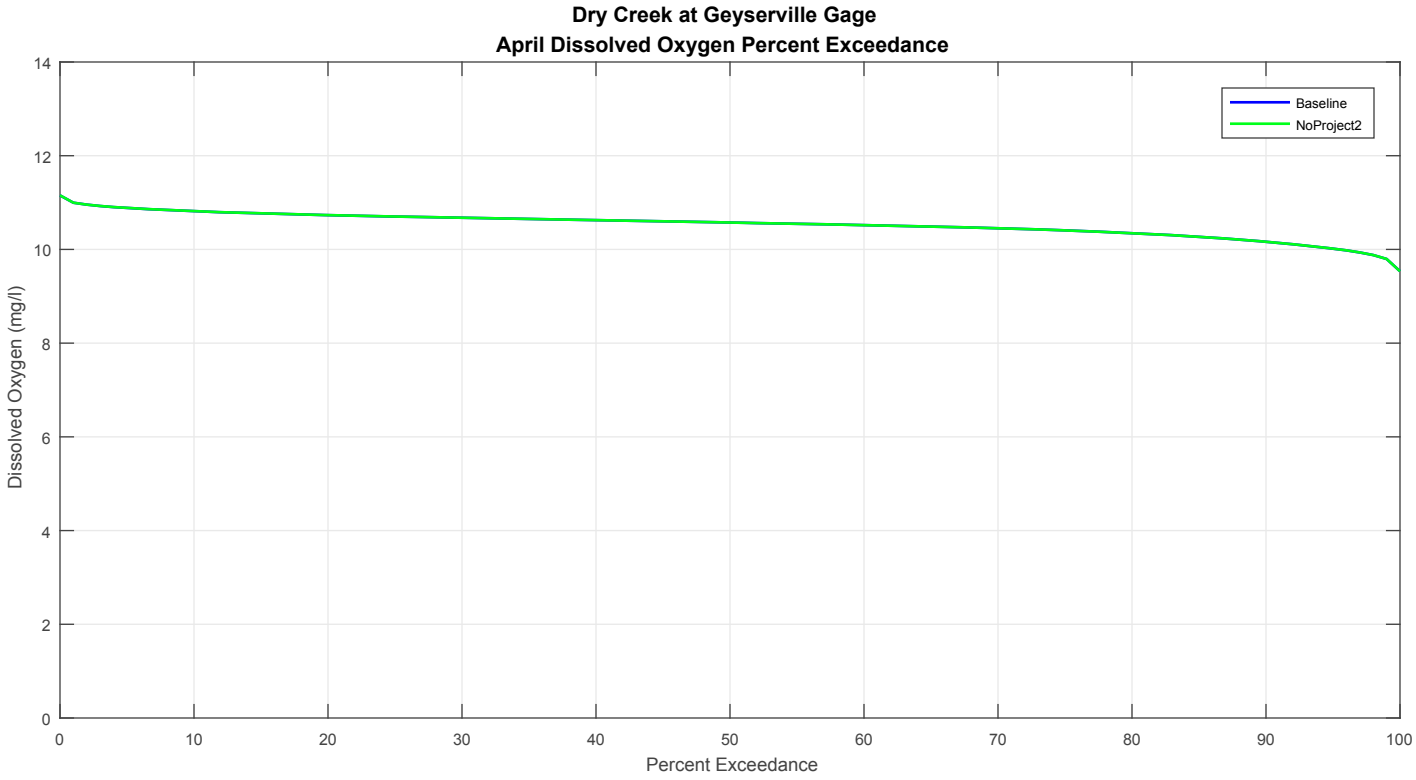
Dry Creek at Geyserville Gage
April Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
0
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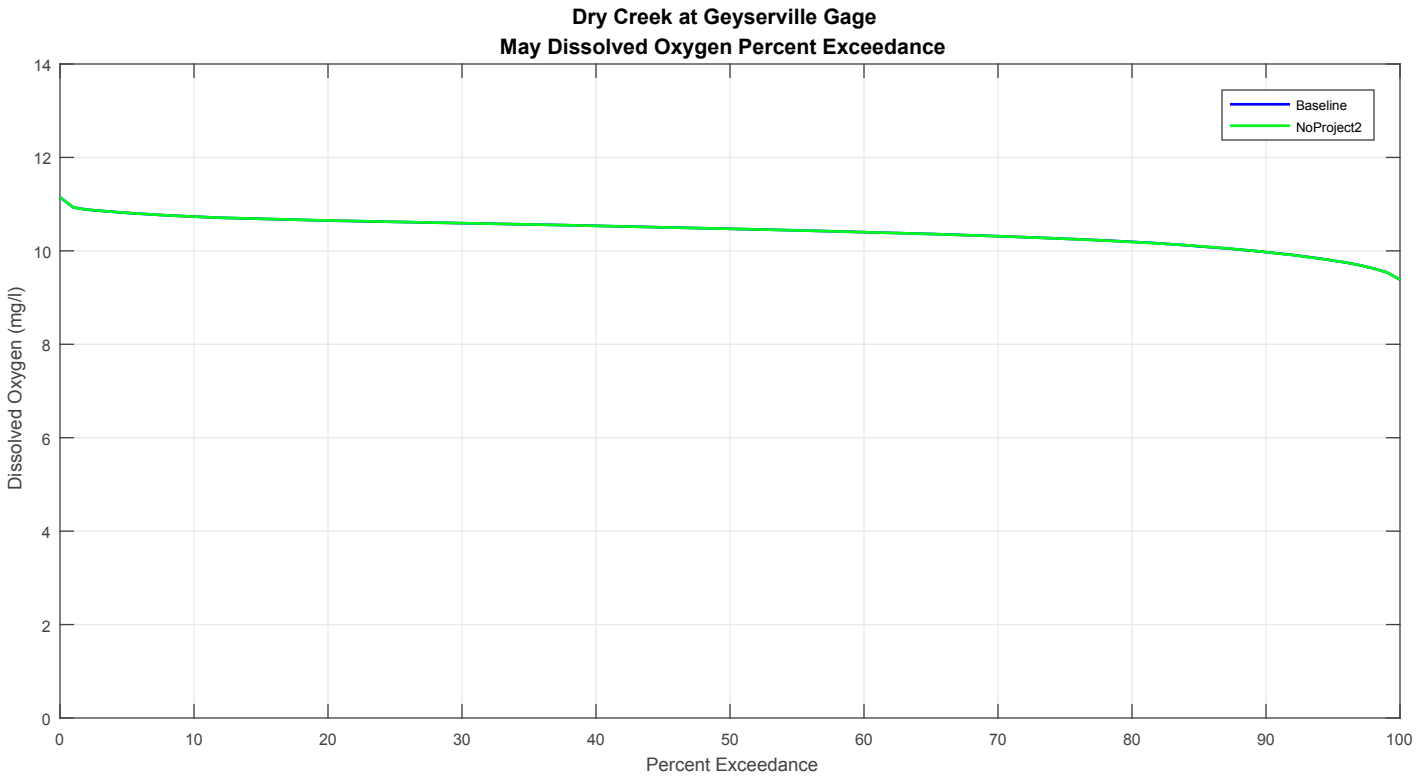
Dry Creek at Geyserville Gage
May Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
0
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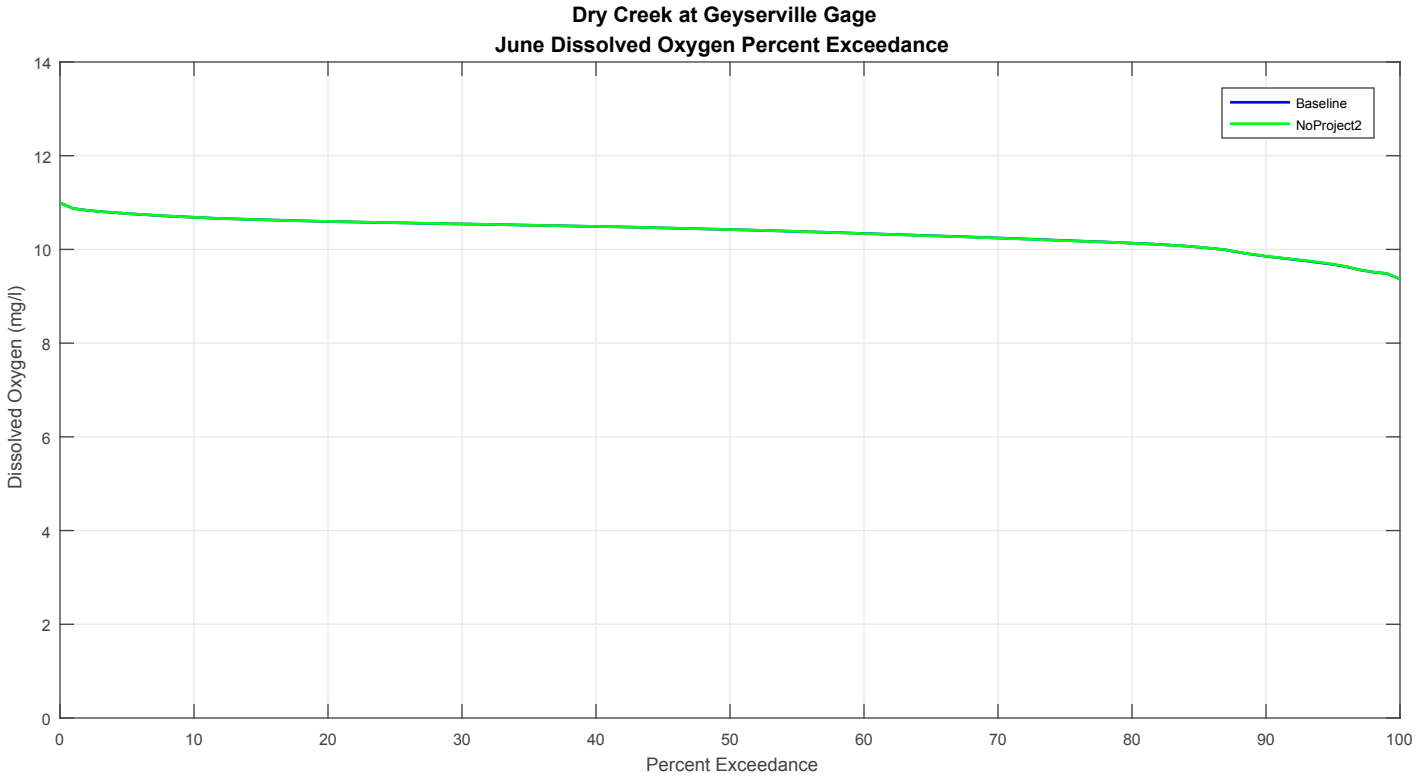
Dry Creek at Geyserville Gage
June Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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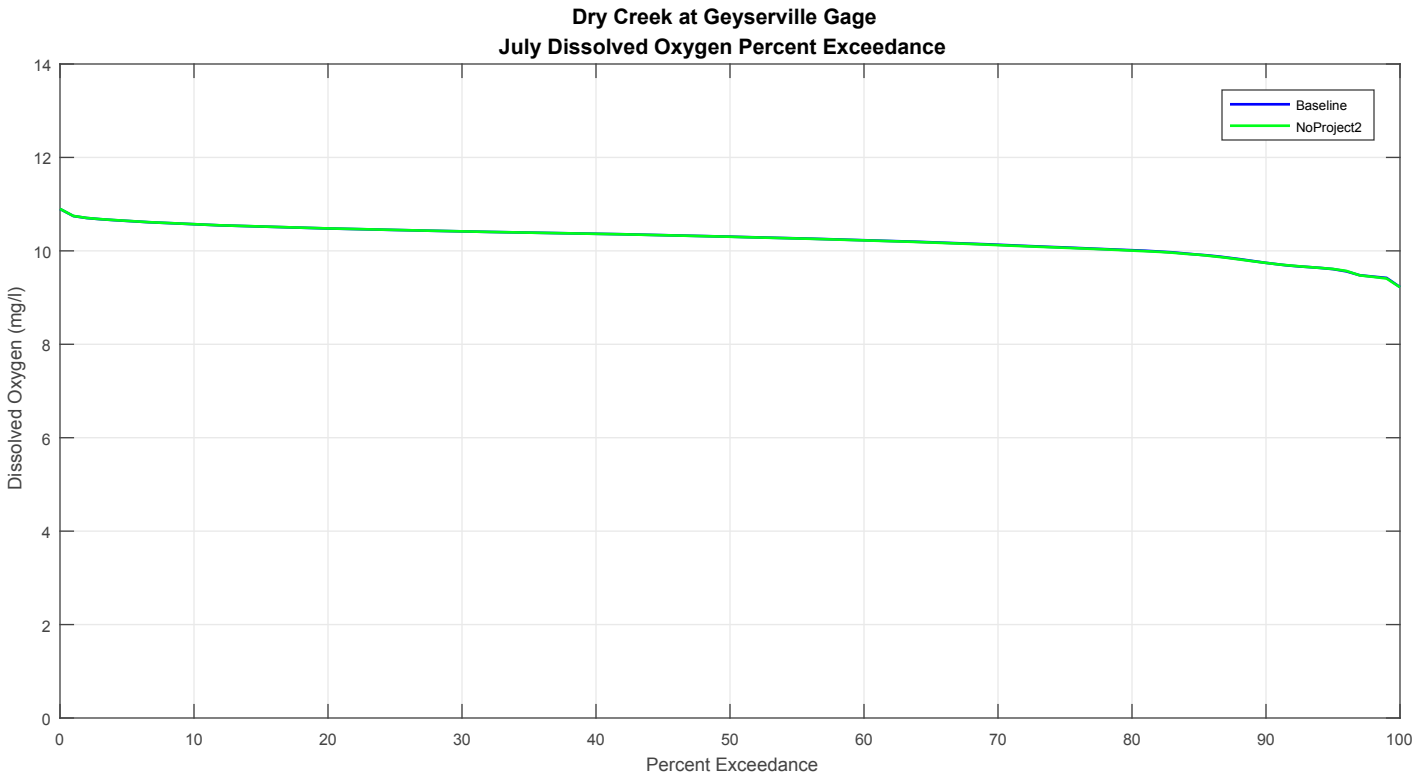
Dry Creek at Geyserville Gage
July Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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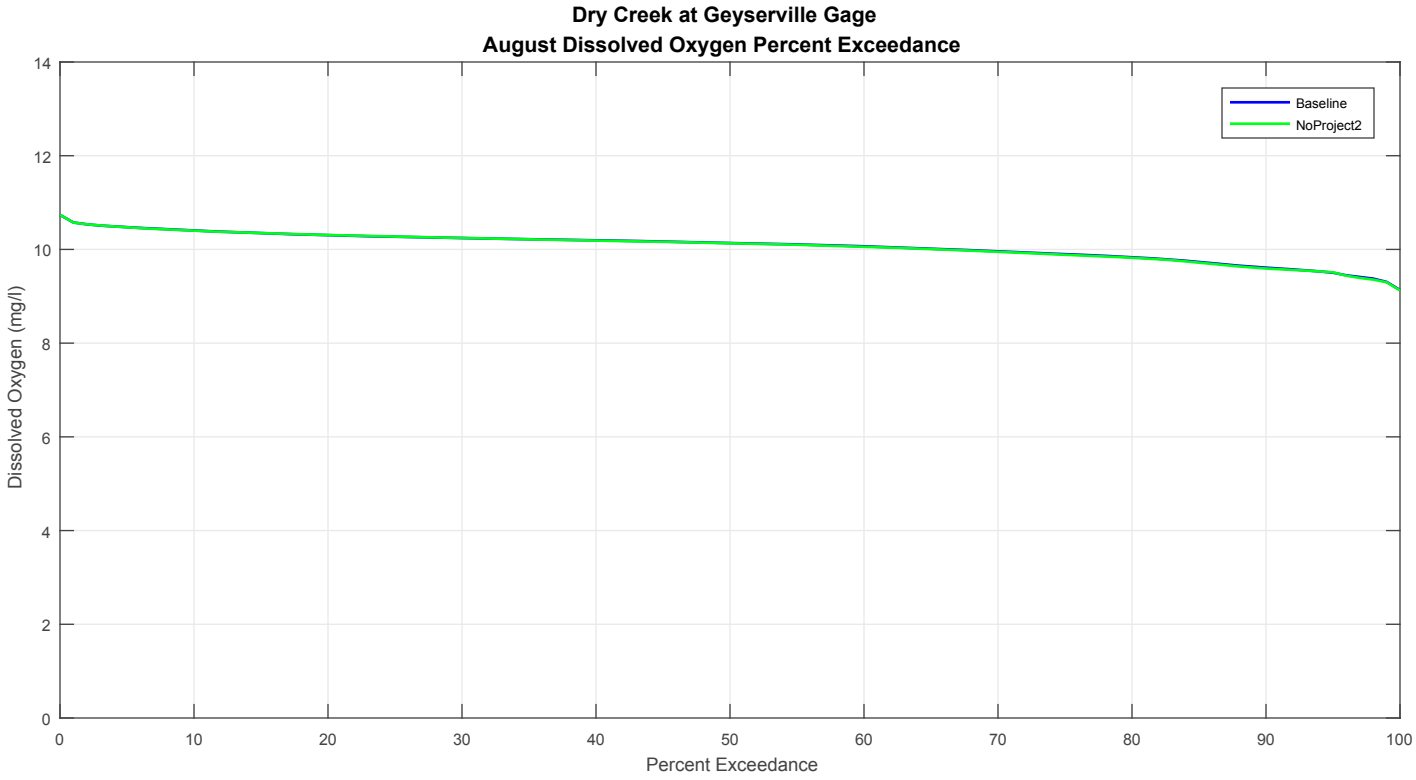
Dry Creek at Geyserville Gage
August Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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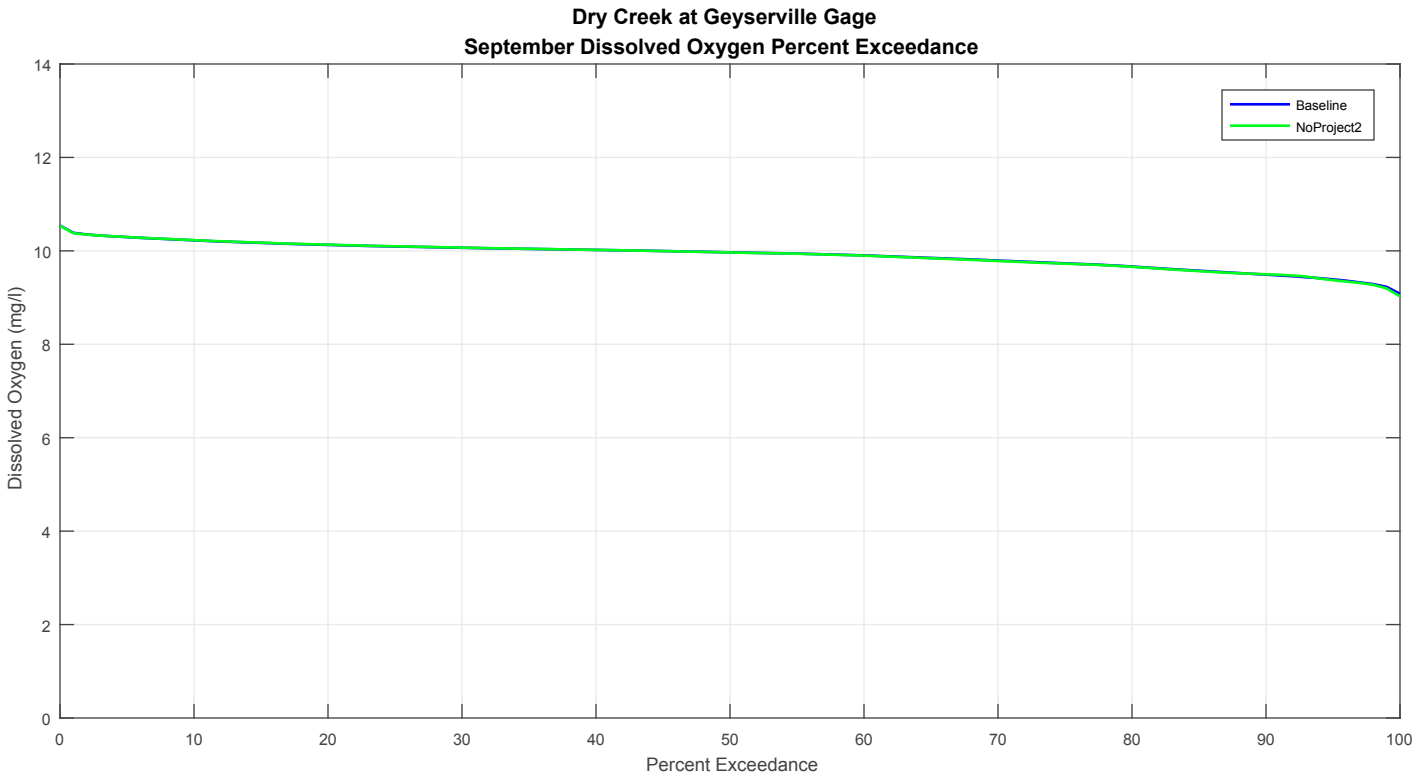
Dry Creek at Geyserville Gage
September Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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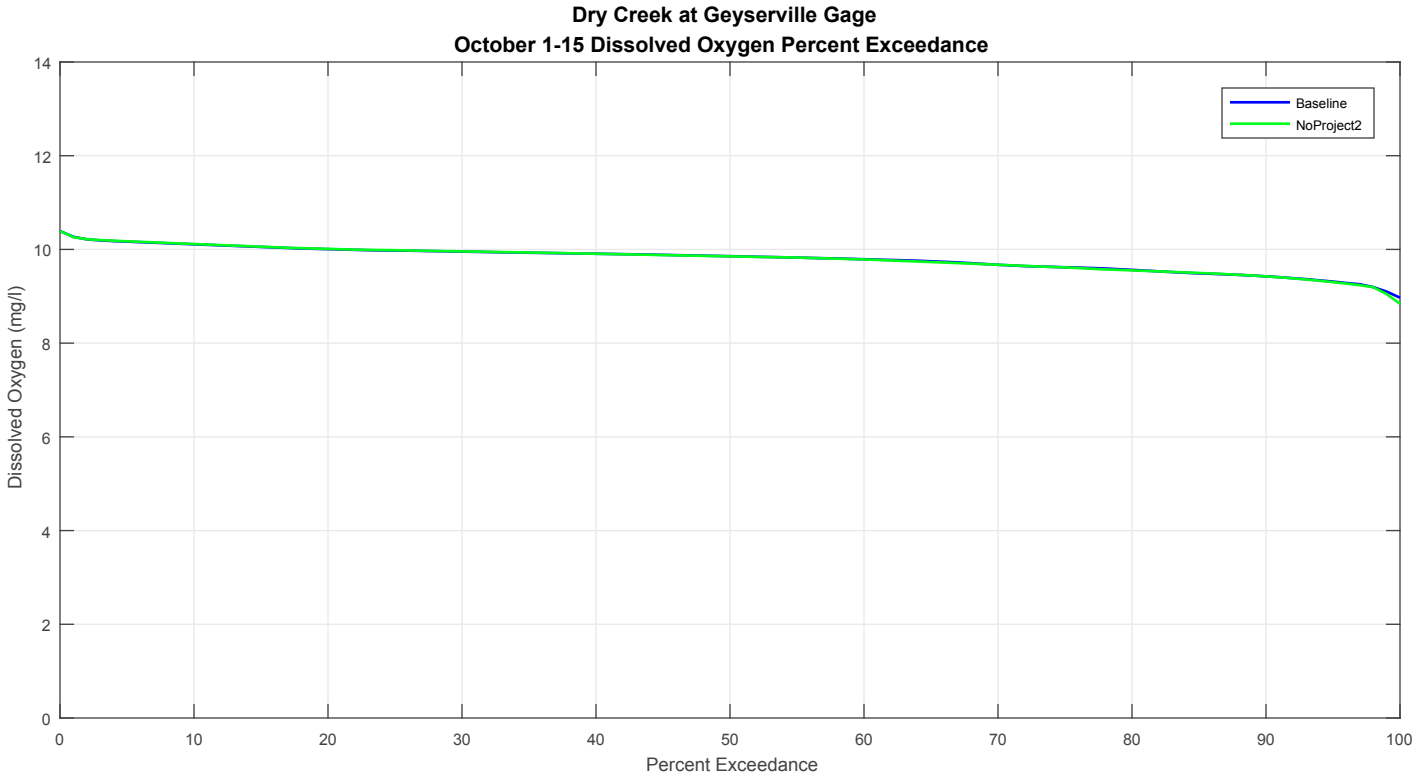
Dry Creek at Geyserville Gage
October 1-15 Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
0
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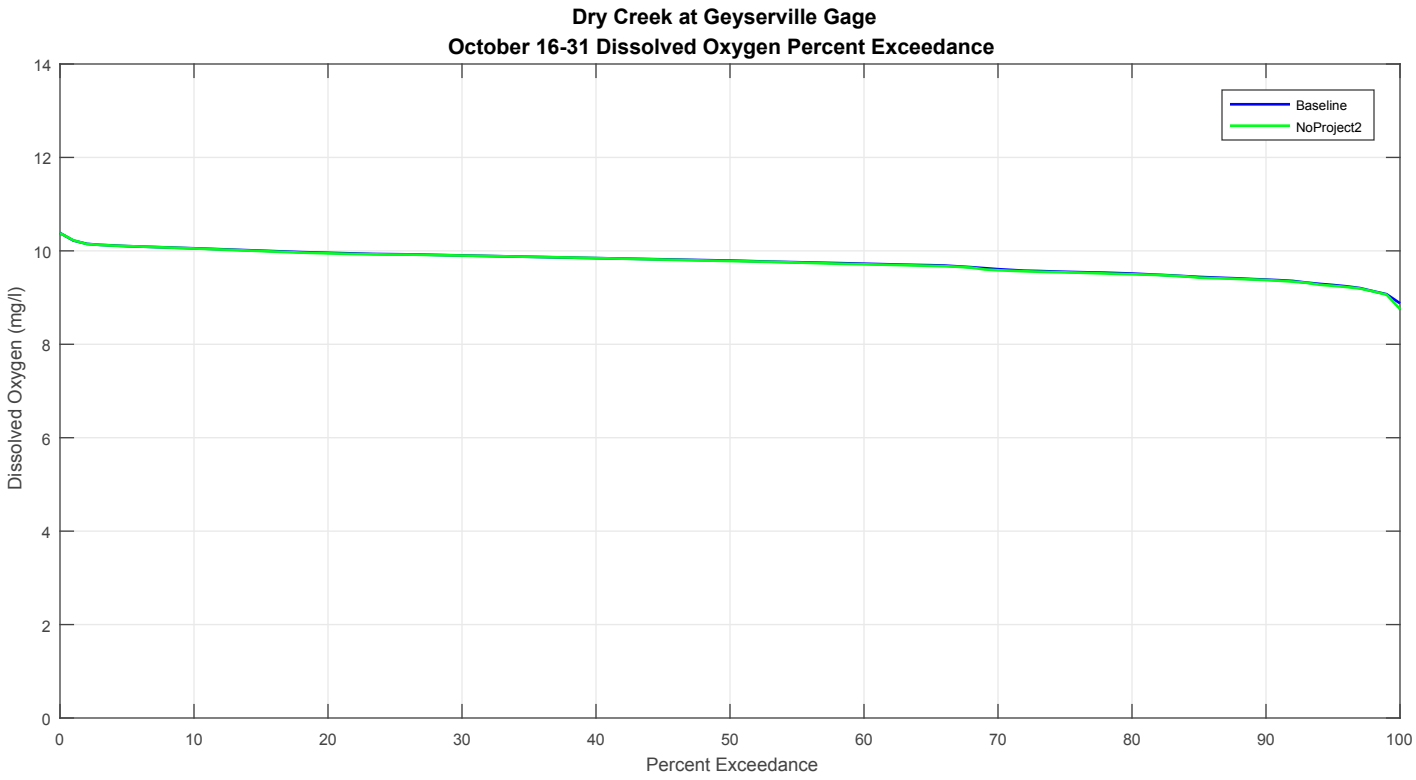
Dry Creek at Geyserville Gage
October 16-31 Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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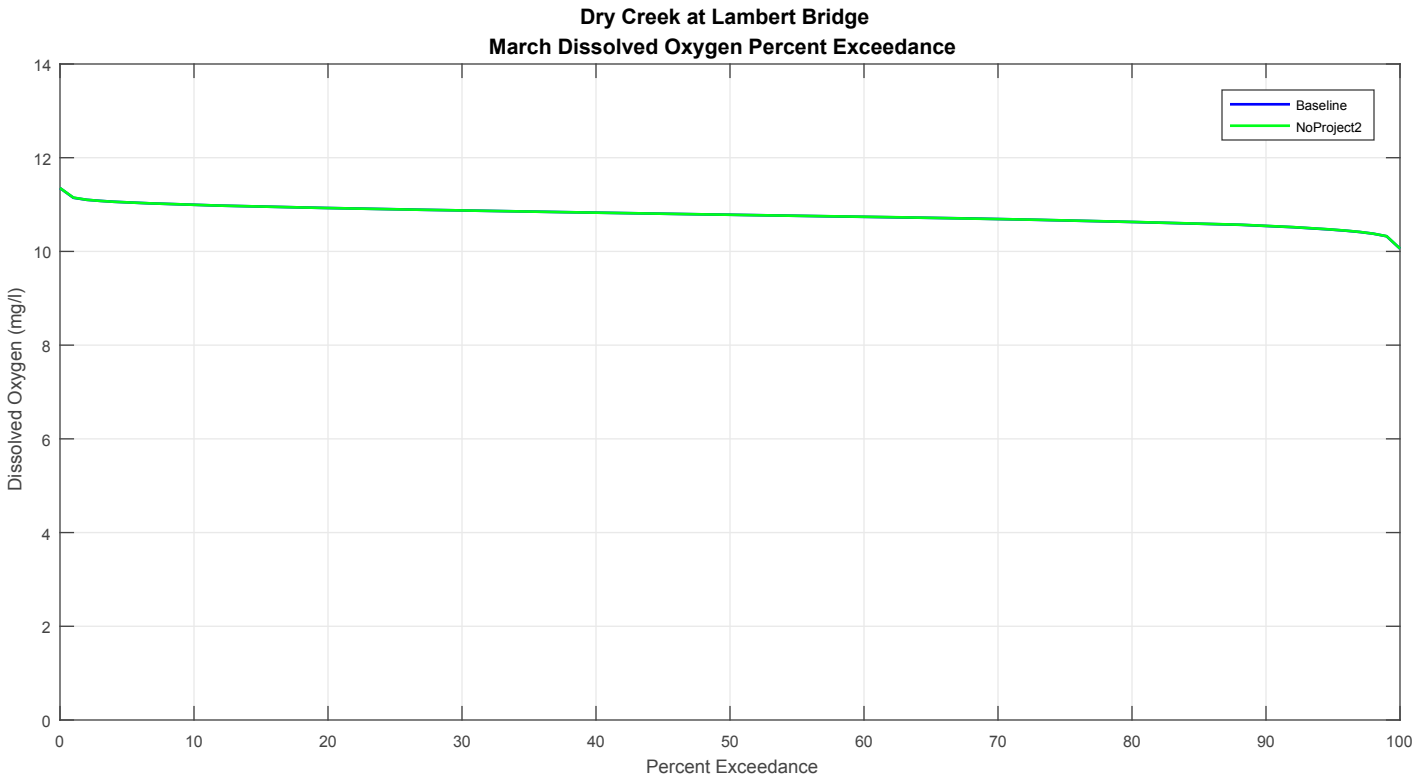
Dry Creek at Lambert Bridge
March Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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6
8
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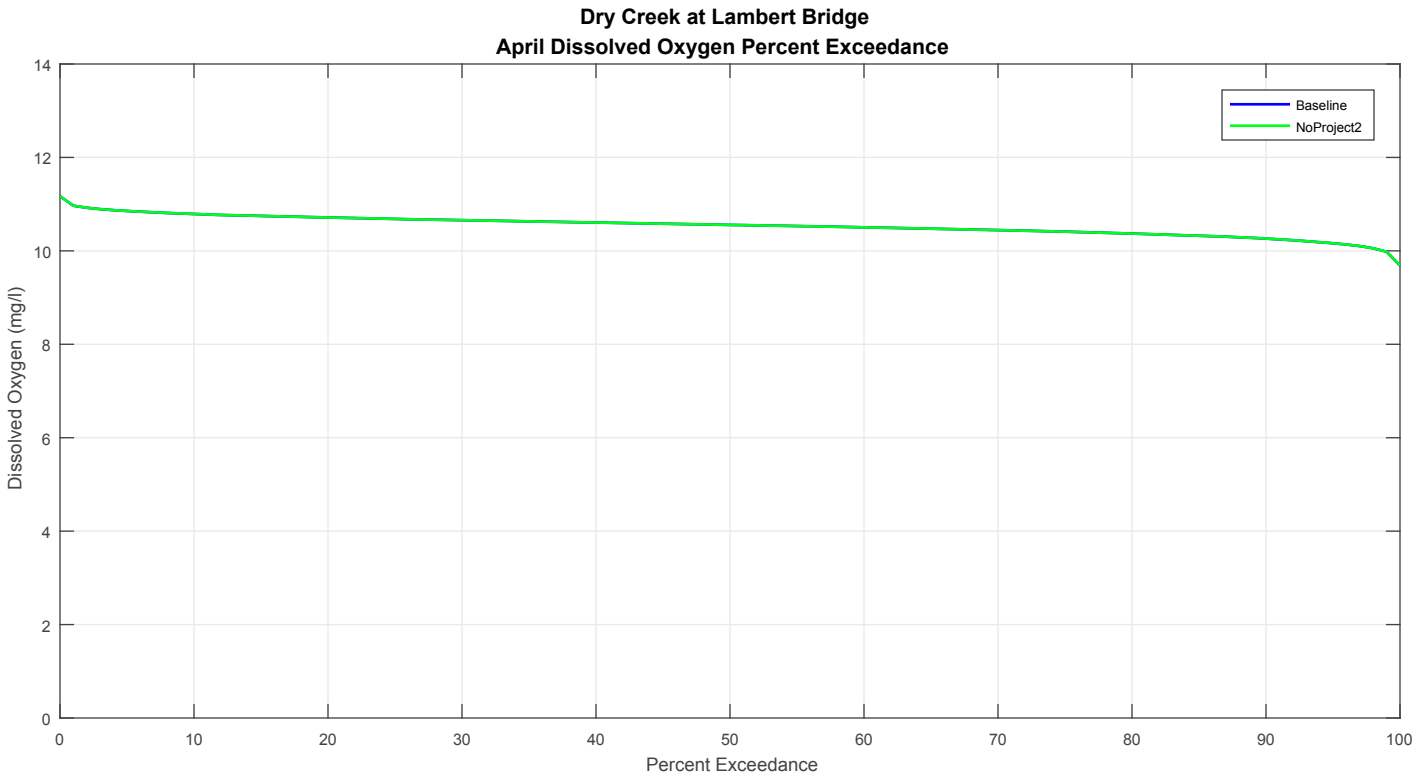
Dry Creek at Lambert Bridge
April Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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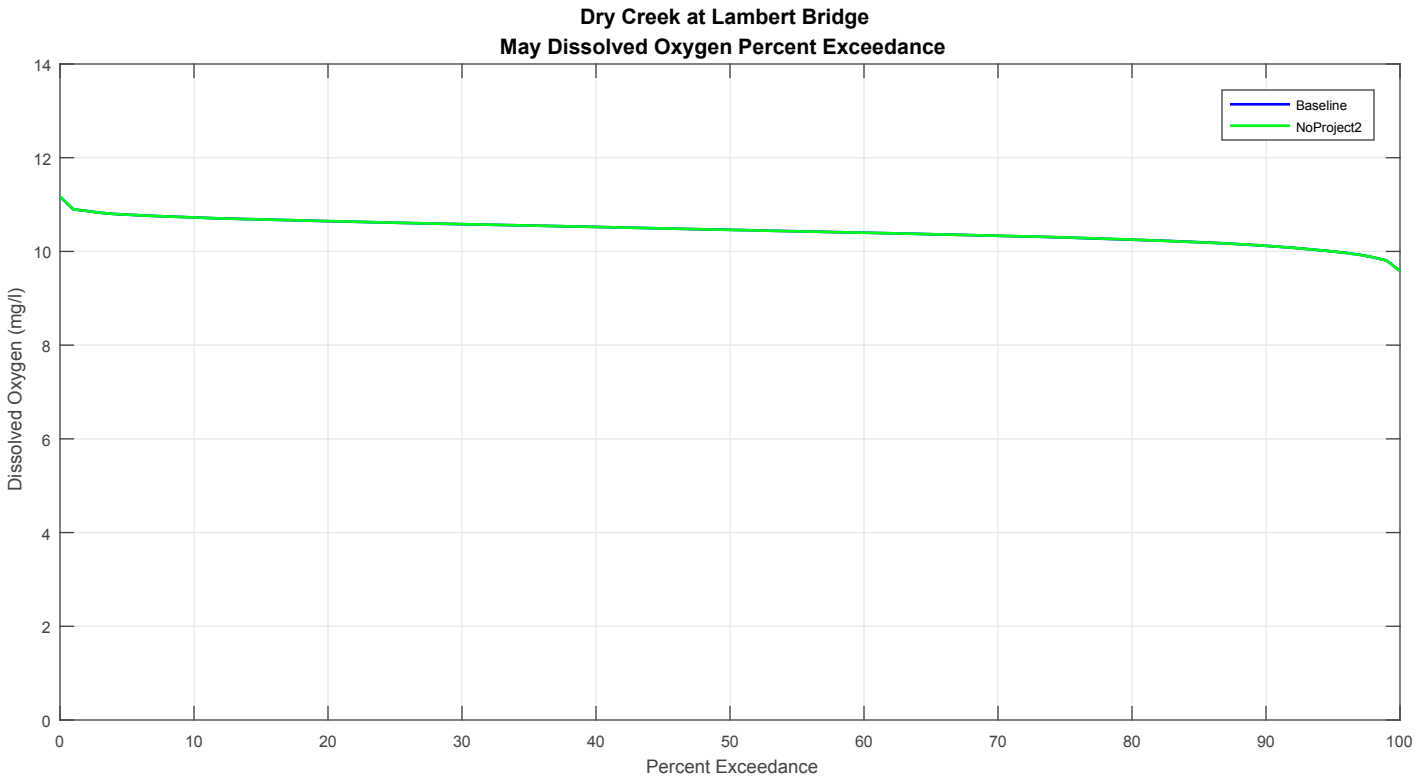
Dry Creek at Lambert Bridge
May Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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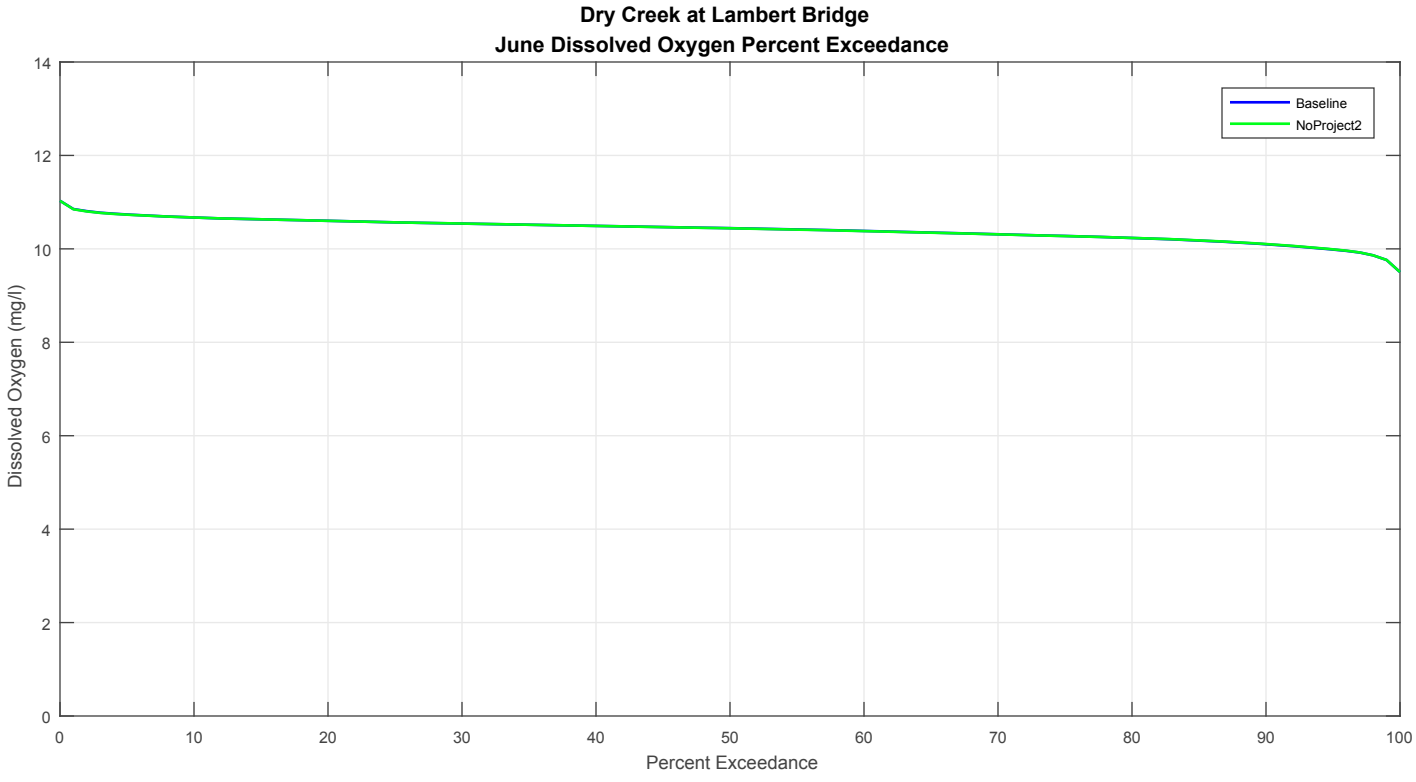
Dry Creek at Lambert Bridge
June Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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8
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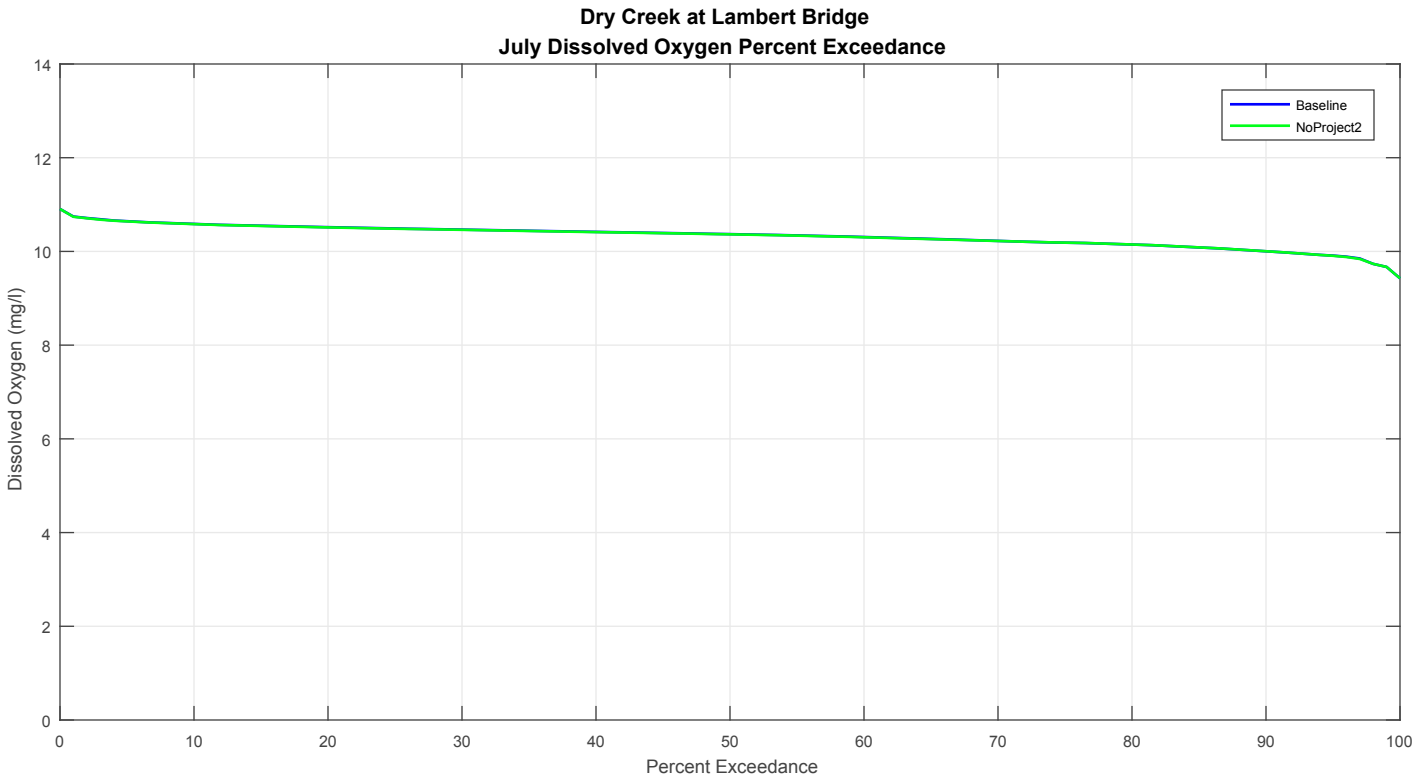
Dry Creek at Lambert Bridge
July Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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8
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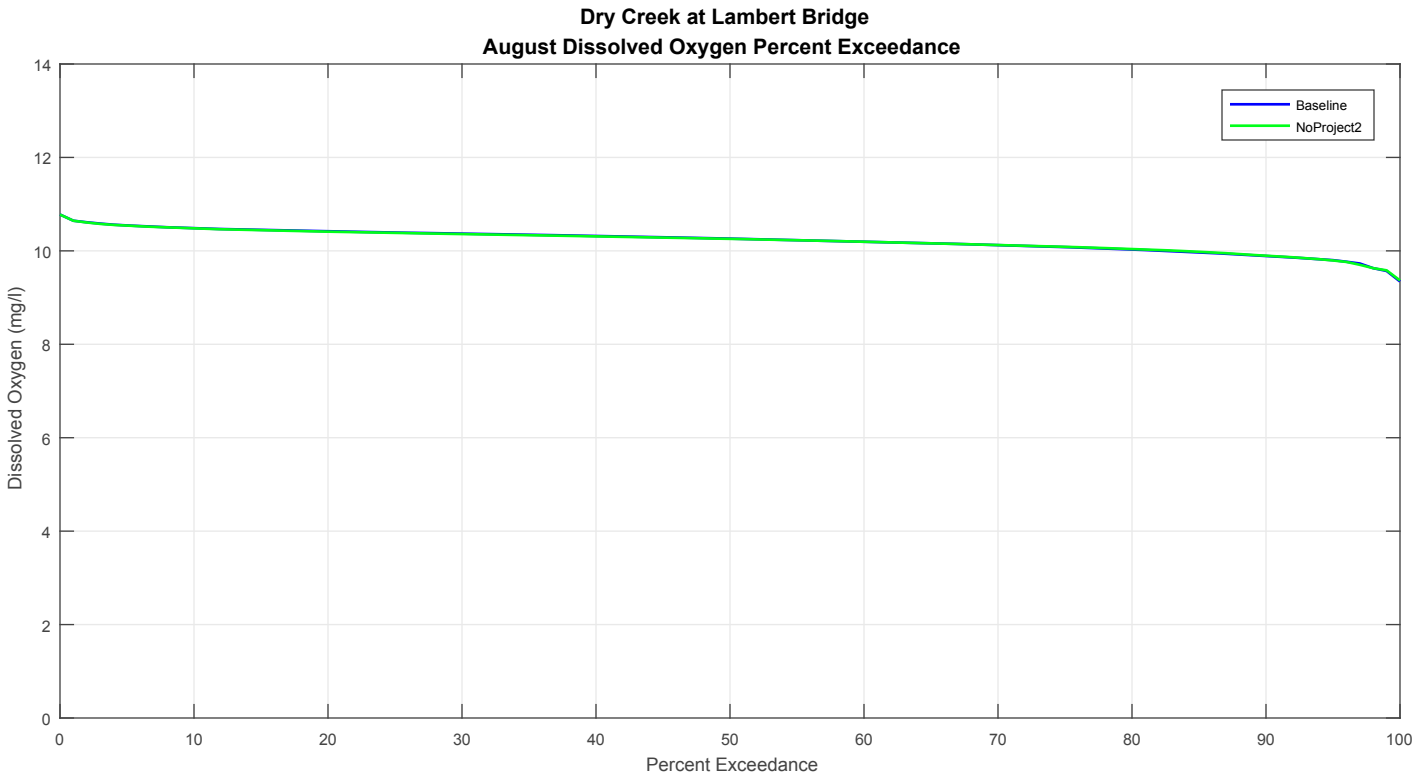
Dry Creek at Lambert Bridge
August Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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6
8
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12
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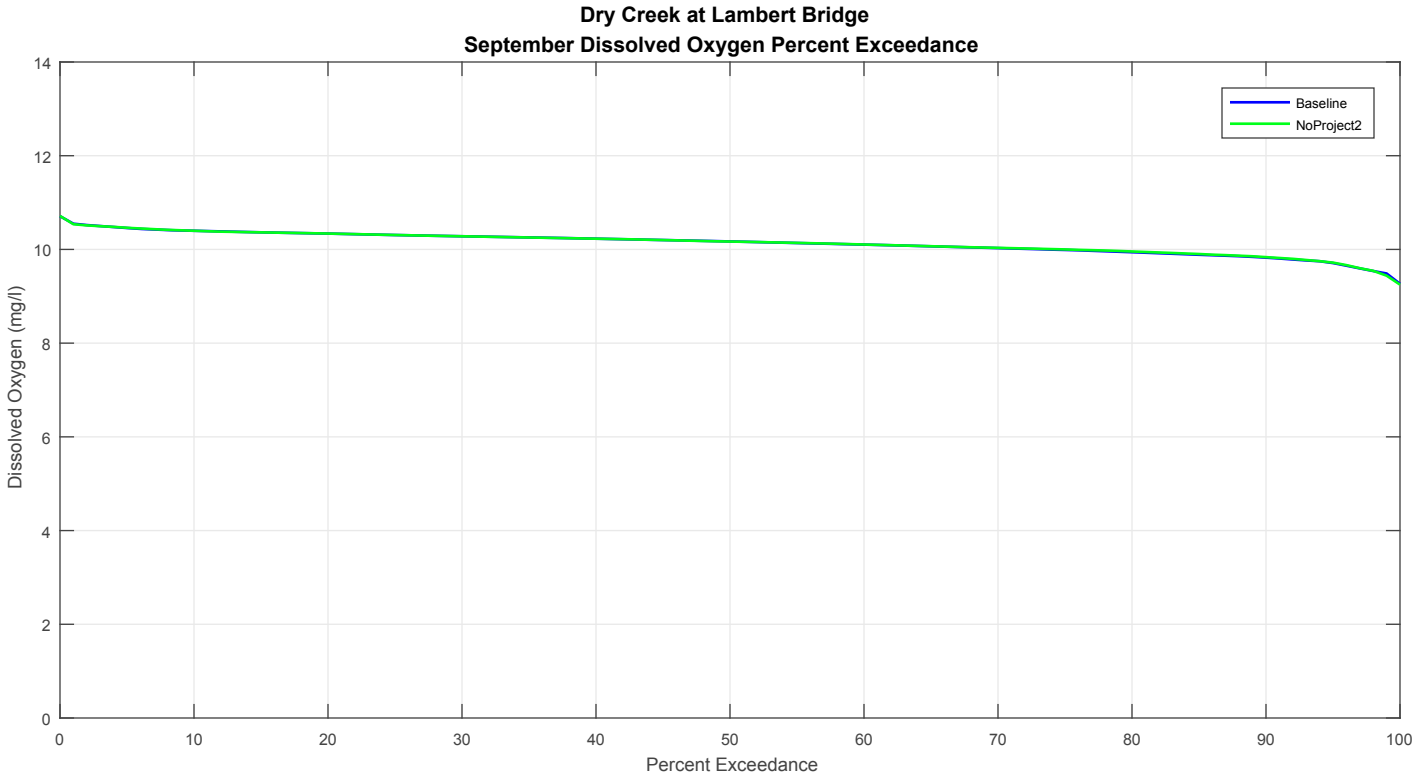
100


Dry Creek at Lambert Bridge
September Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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6
8
10
12
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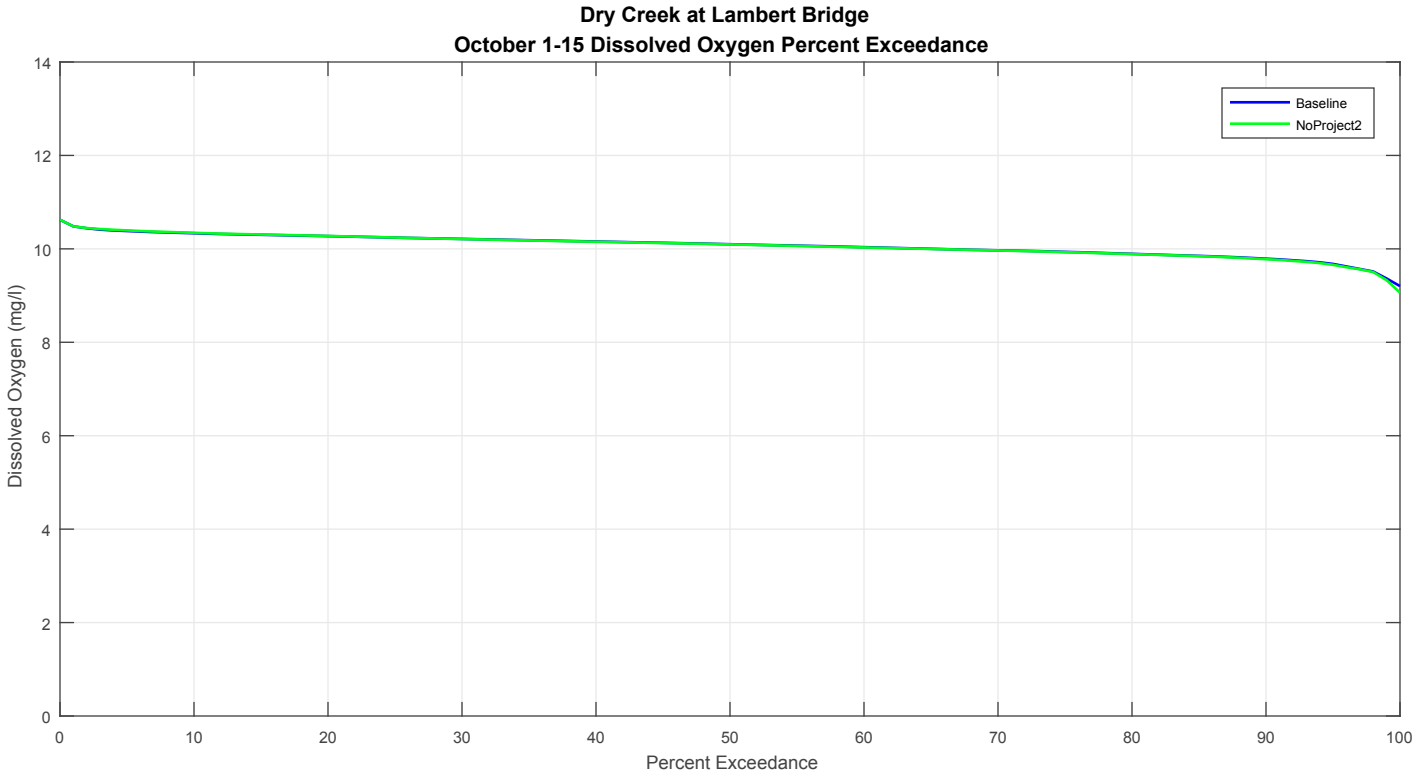
Dry Creek at Lambert Bridge
October 1-15 Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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6
8
10
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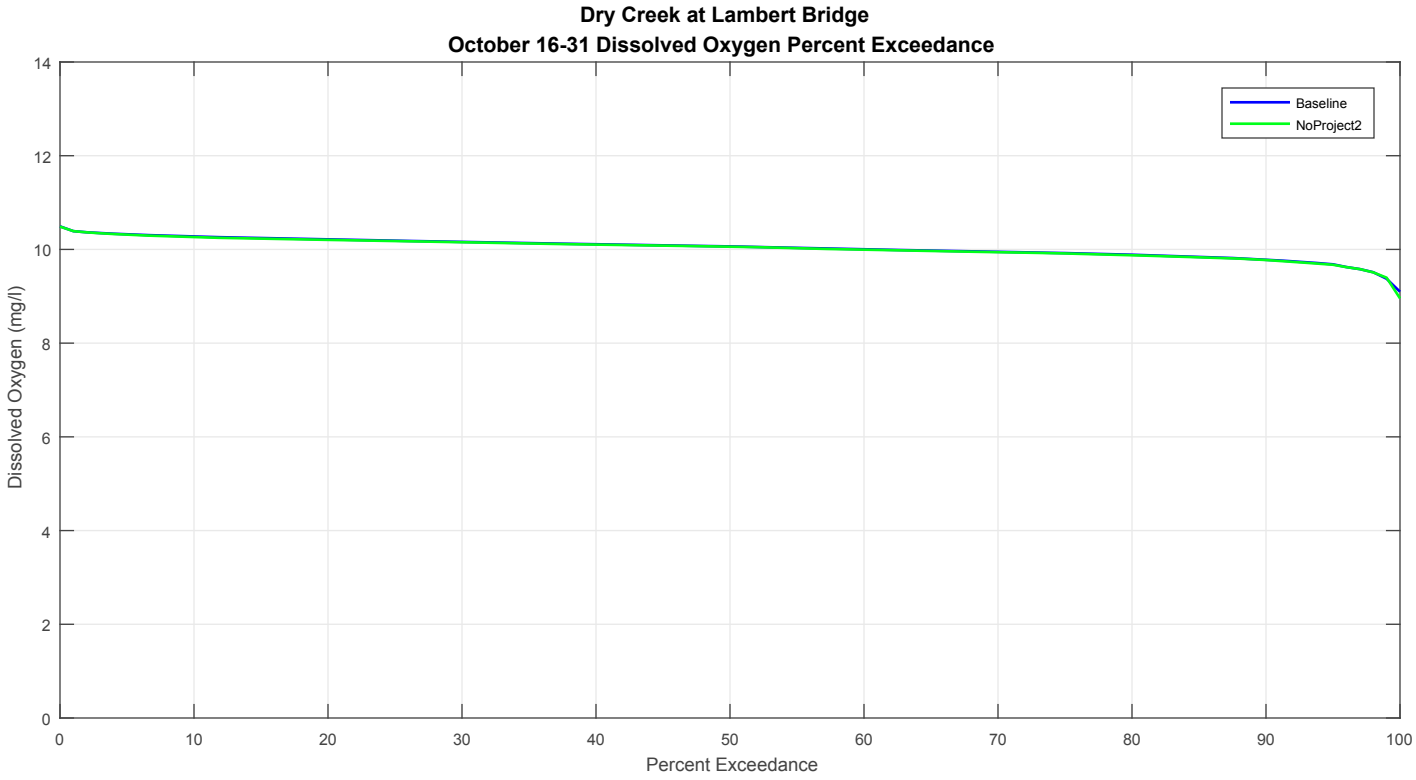
Dry Creek at Lambert Bridge
October 16-31 Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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6
8
10
12
14
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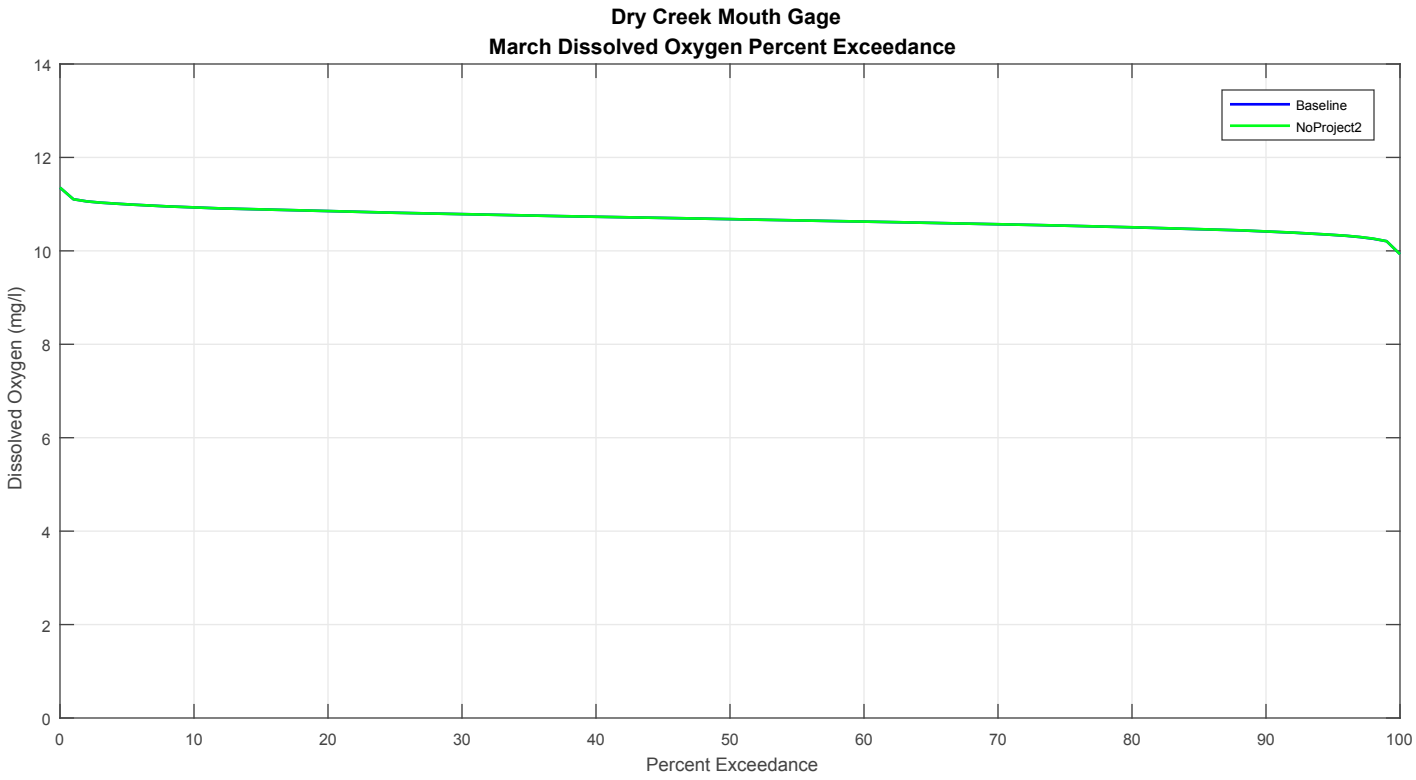
Dry Creek Mouth Gage
March Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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2
4
6
8
10
12
14
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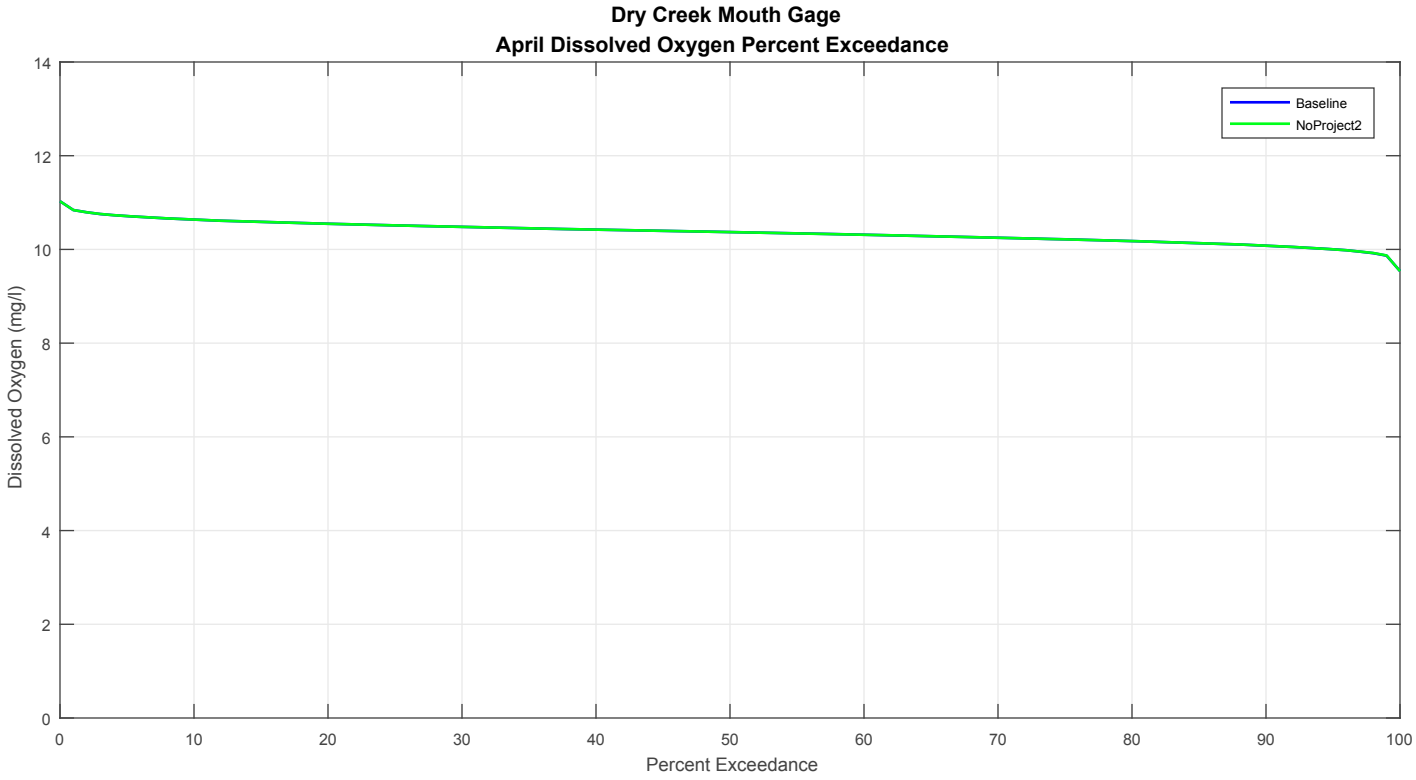
Dry Creek Mouth Gage
April Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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6
8
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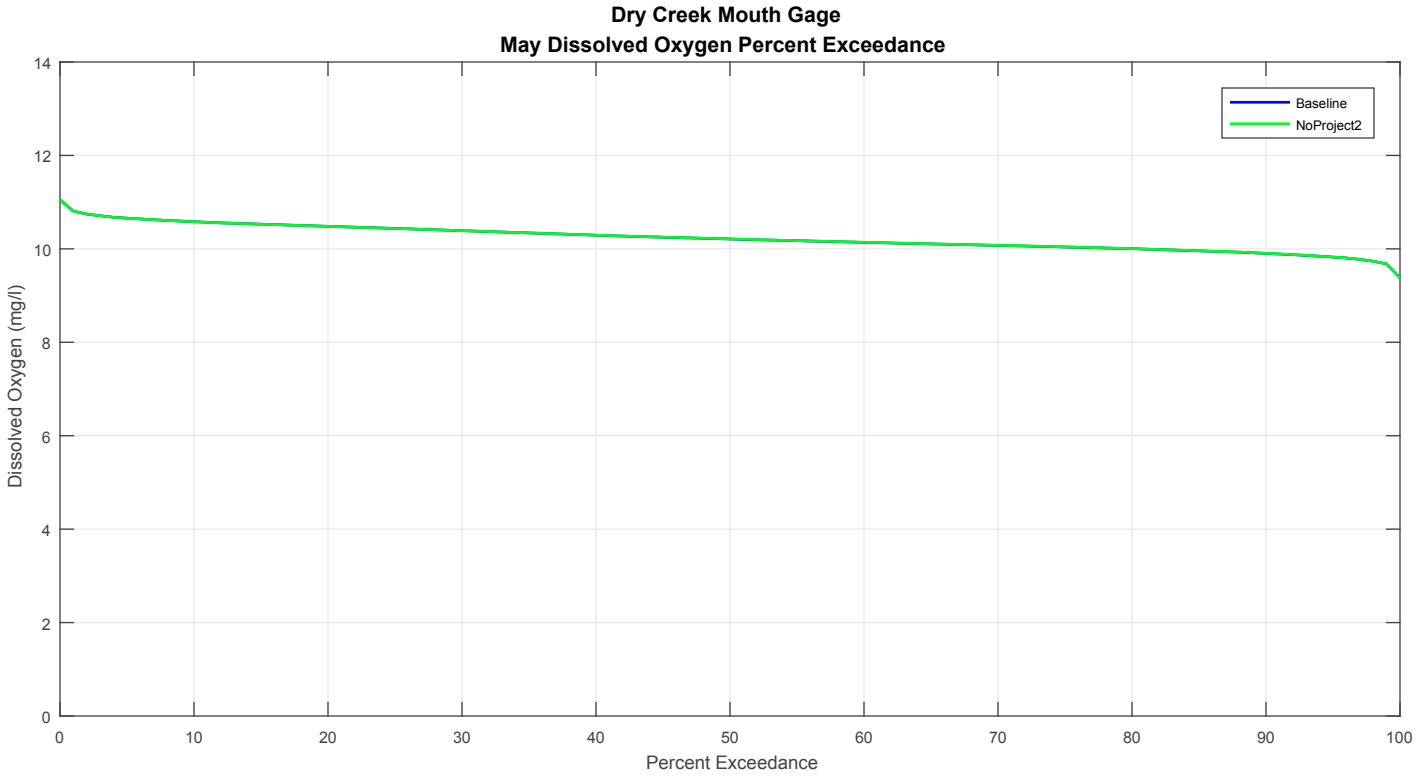
Dry Creek Mouth Gage
May Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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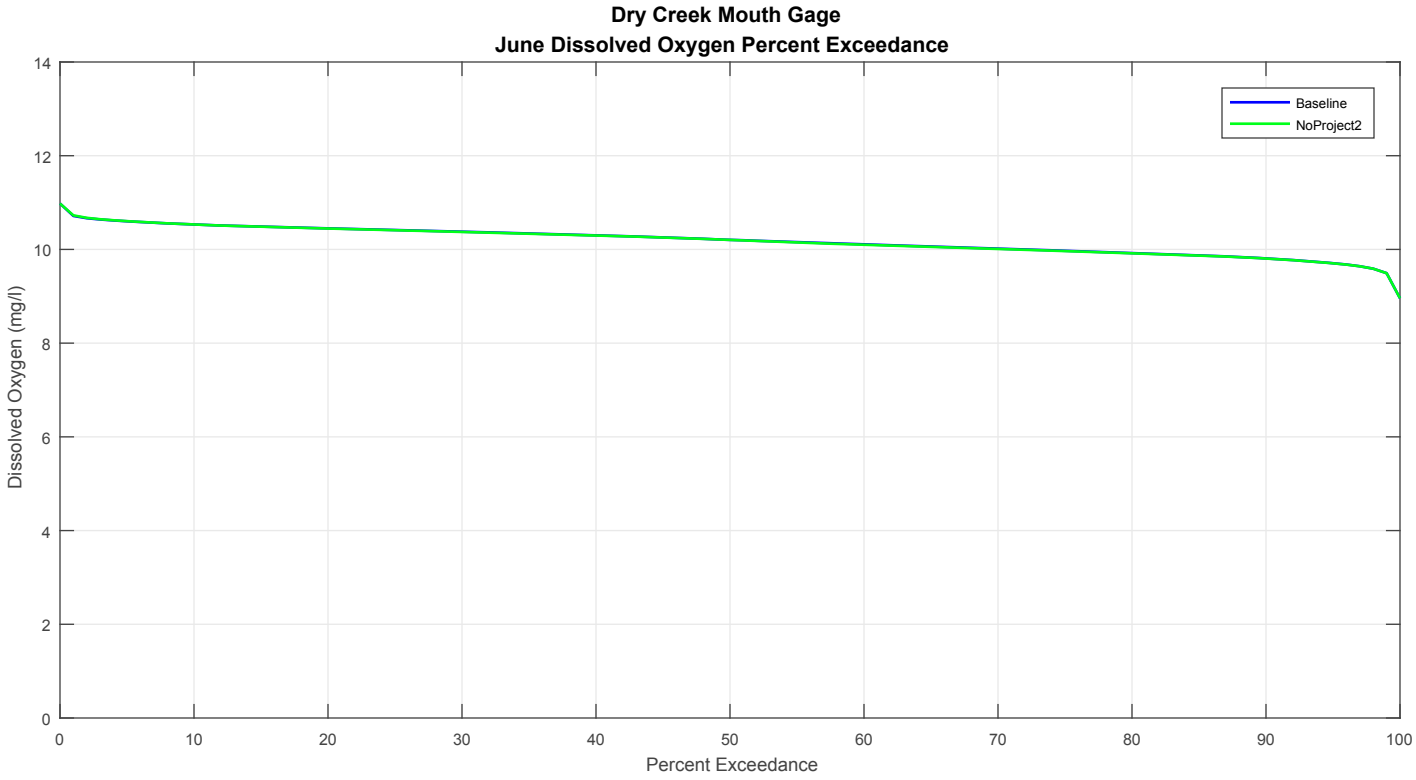
Dry Creek Mouth Gage
June Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
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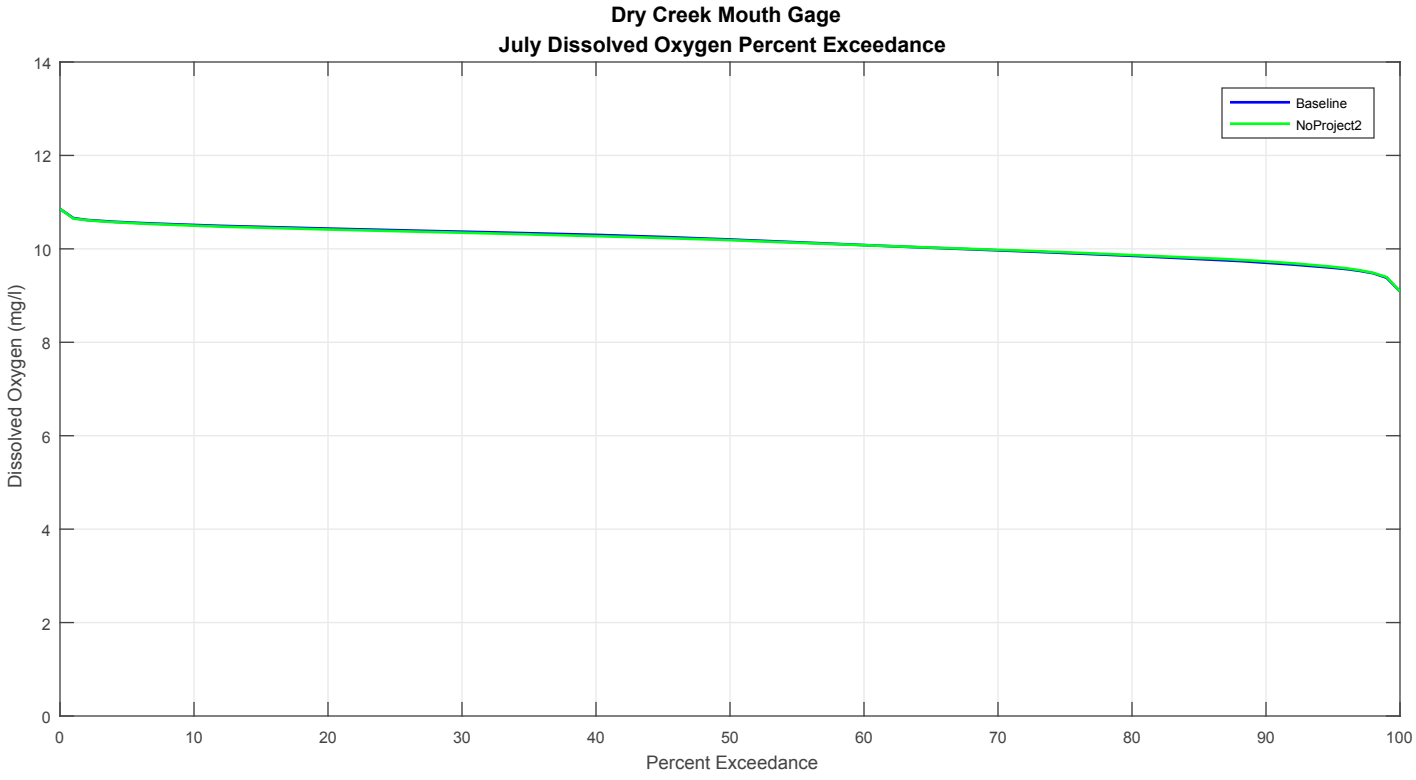
Dry Creek Mouth Gage
July Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
0
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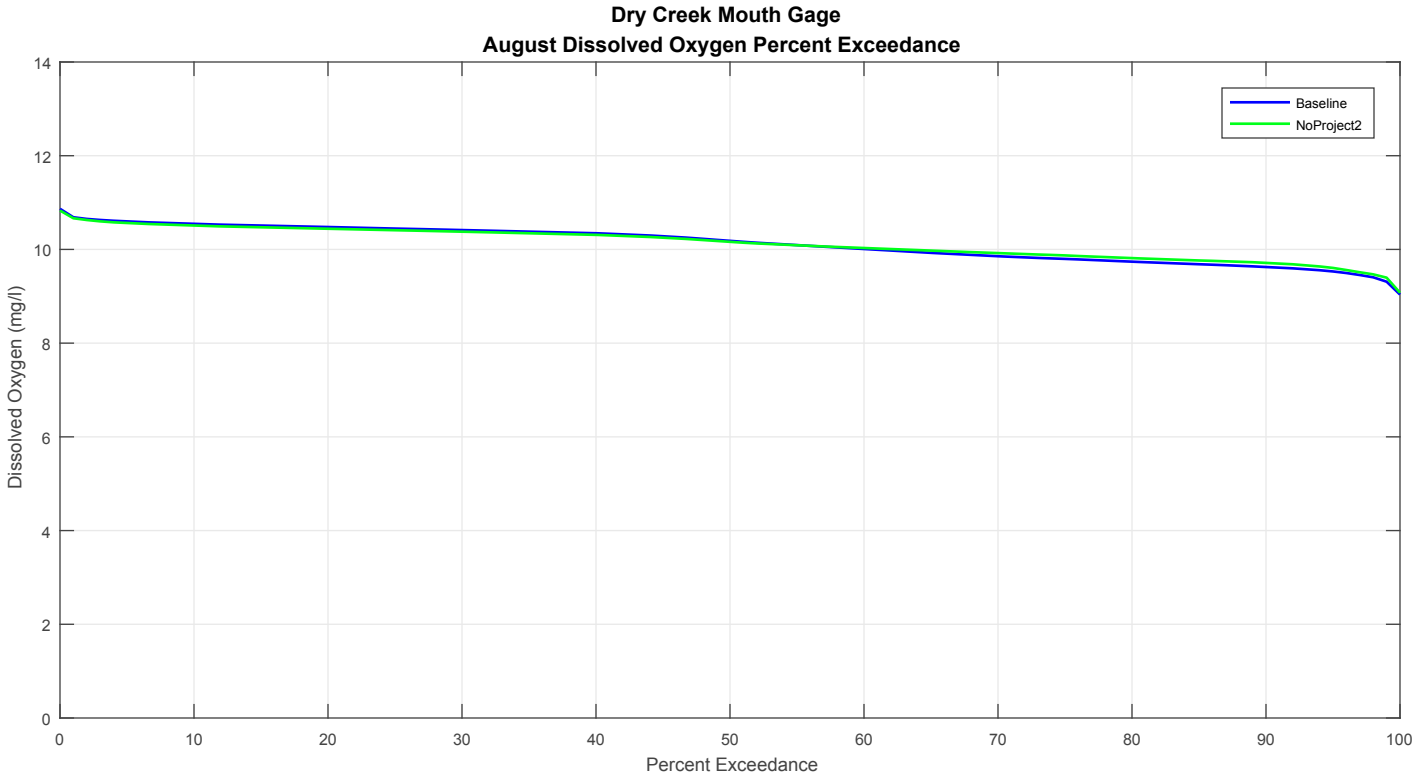
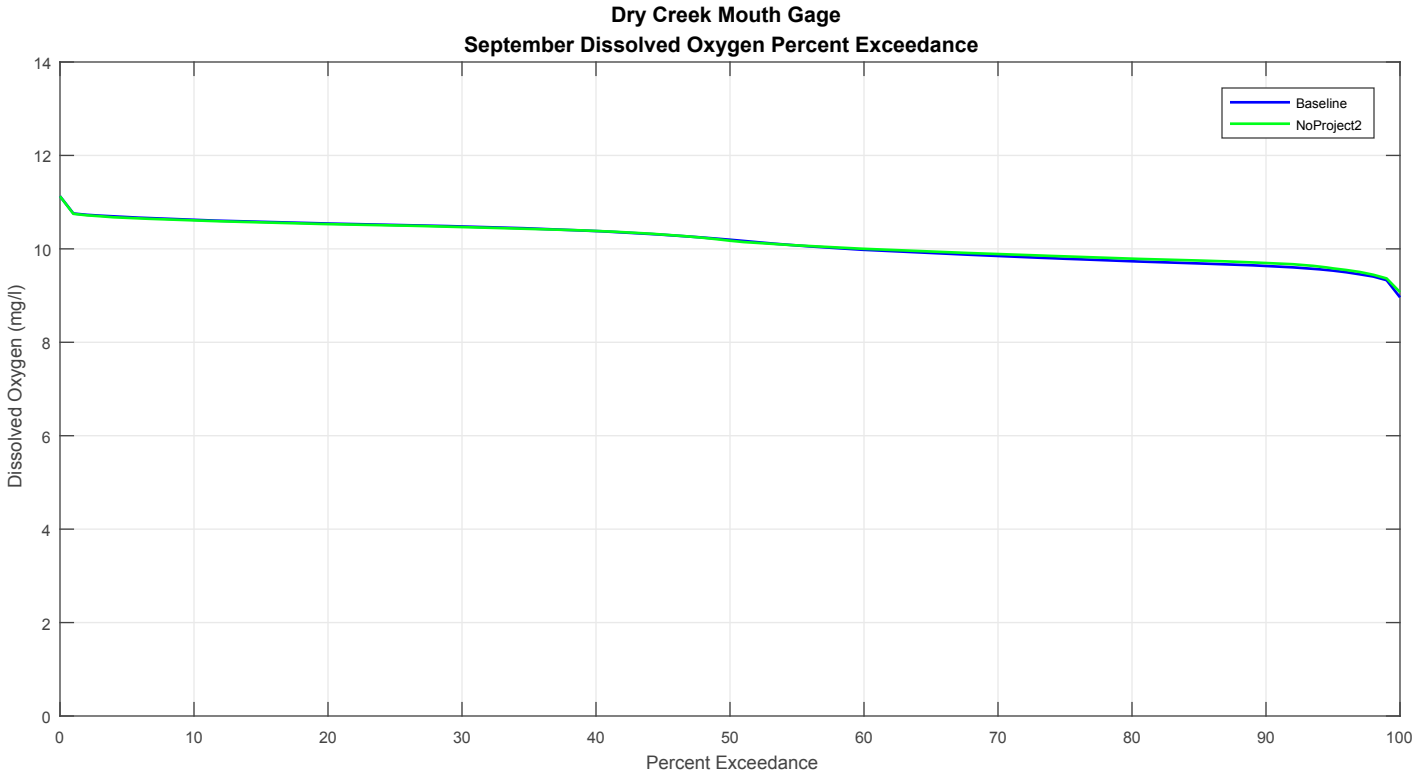
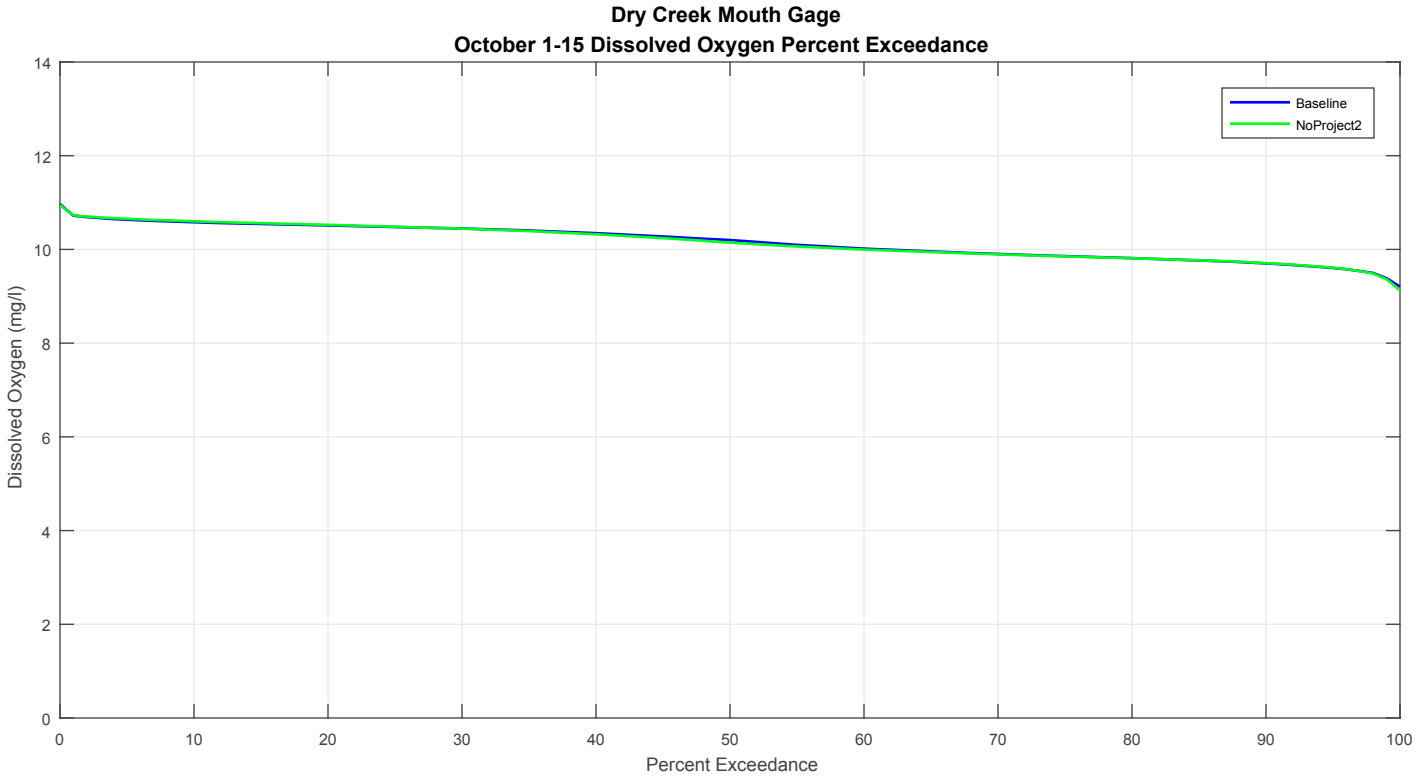
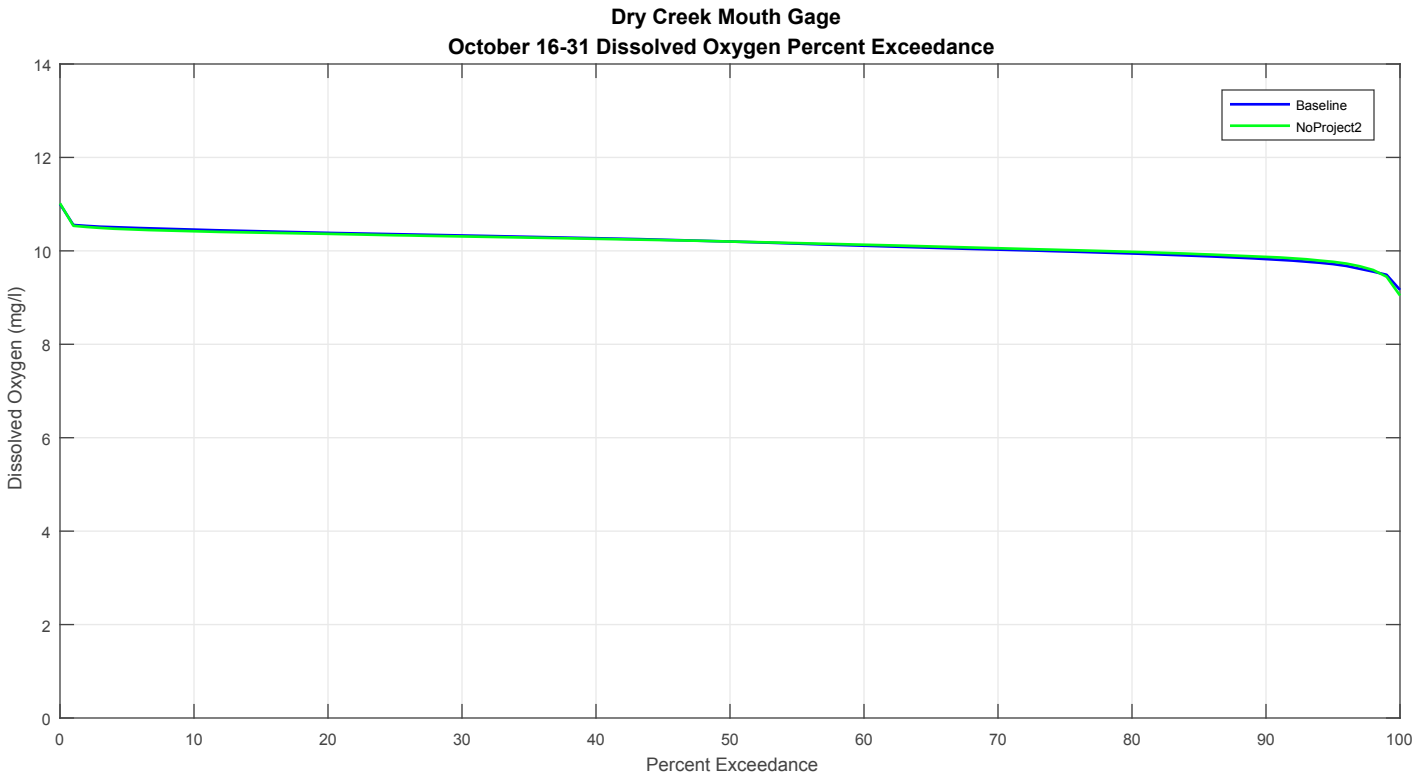
90
100


Dry Creek Mouth Gage
August Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
14
0
10
20
30
40
50
60
70
80
90
100


Dry Creek Mouth Gage
September Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
14
0
10
20
30
40
50
60
70
80
90
100


Dry Creek Mouth Gage
October 1-15 Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
14
0
10
20
30
40
50
60
70
80
90
100

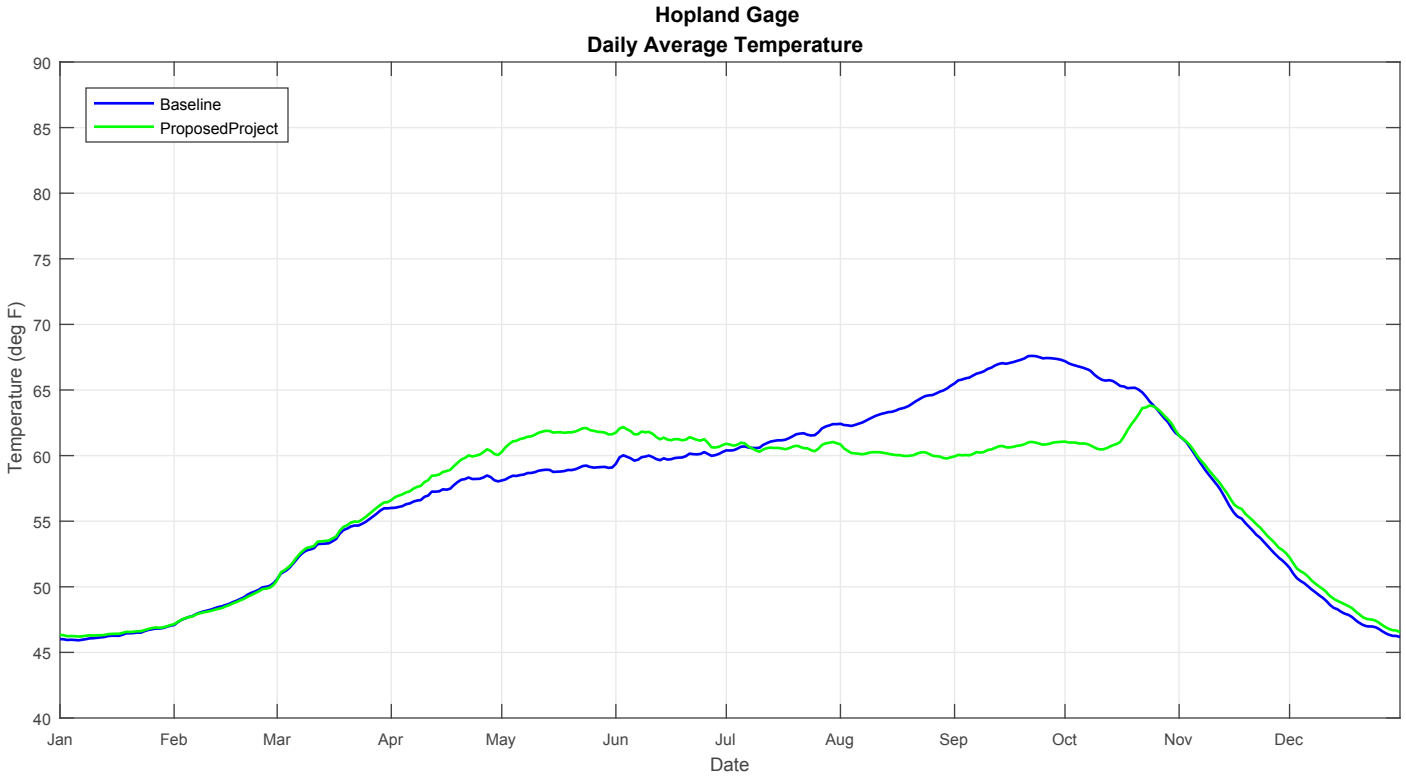

Dry Creek Mouth Gage
October 16-31 Dissolved Oxygen Percent Exceedance
Baseline
NoProject2
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
14
0
10
20
30
40
50
60
70
80
90
100

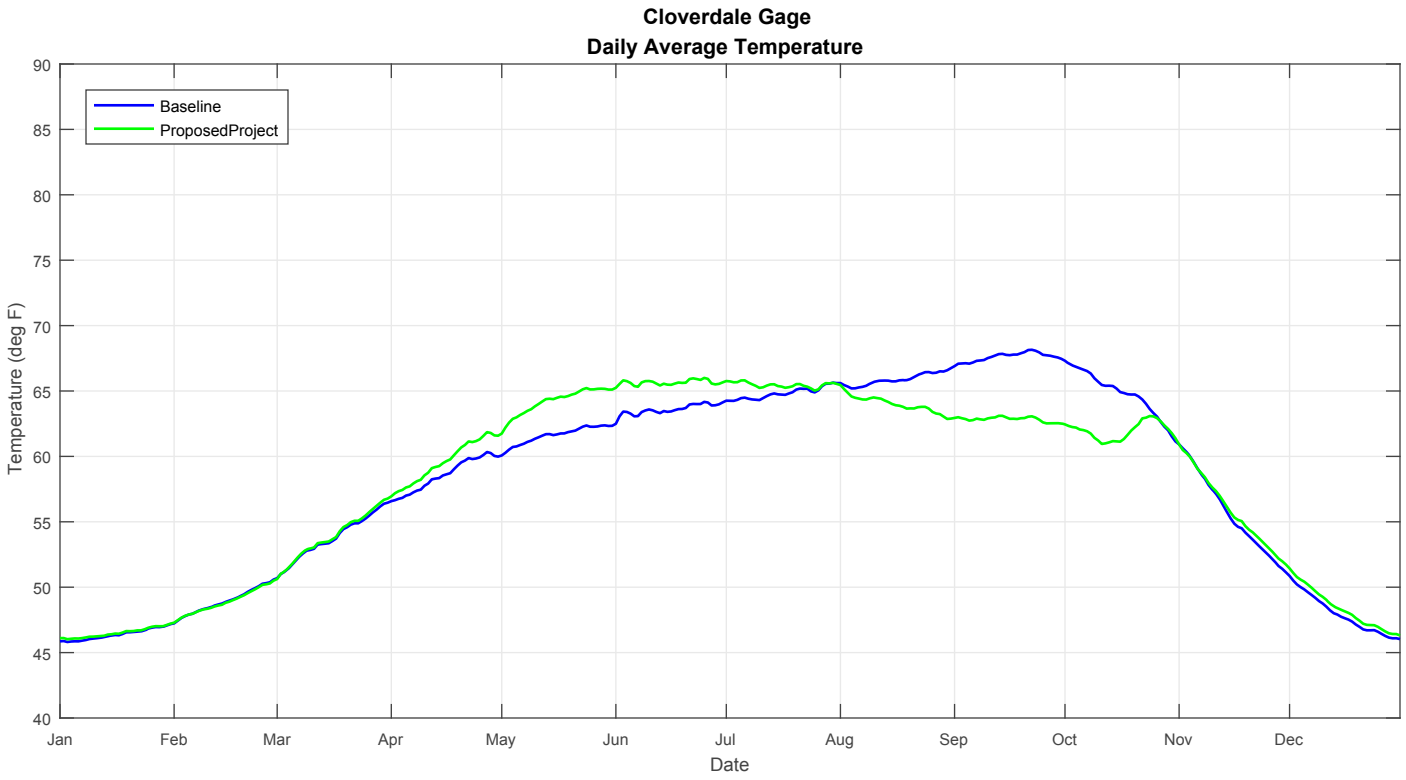
**Errata Item 4**

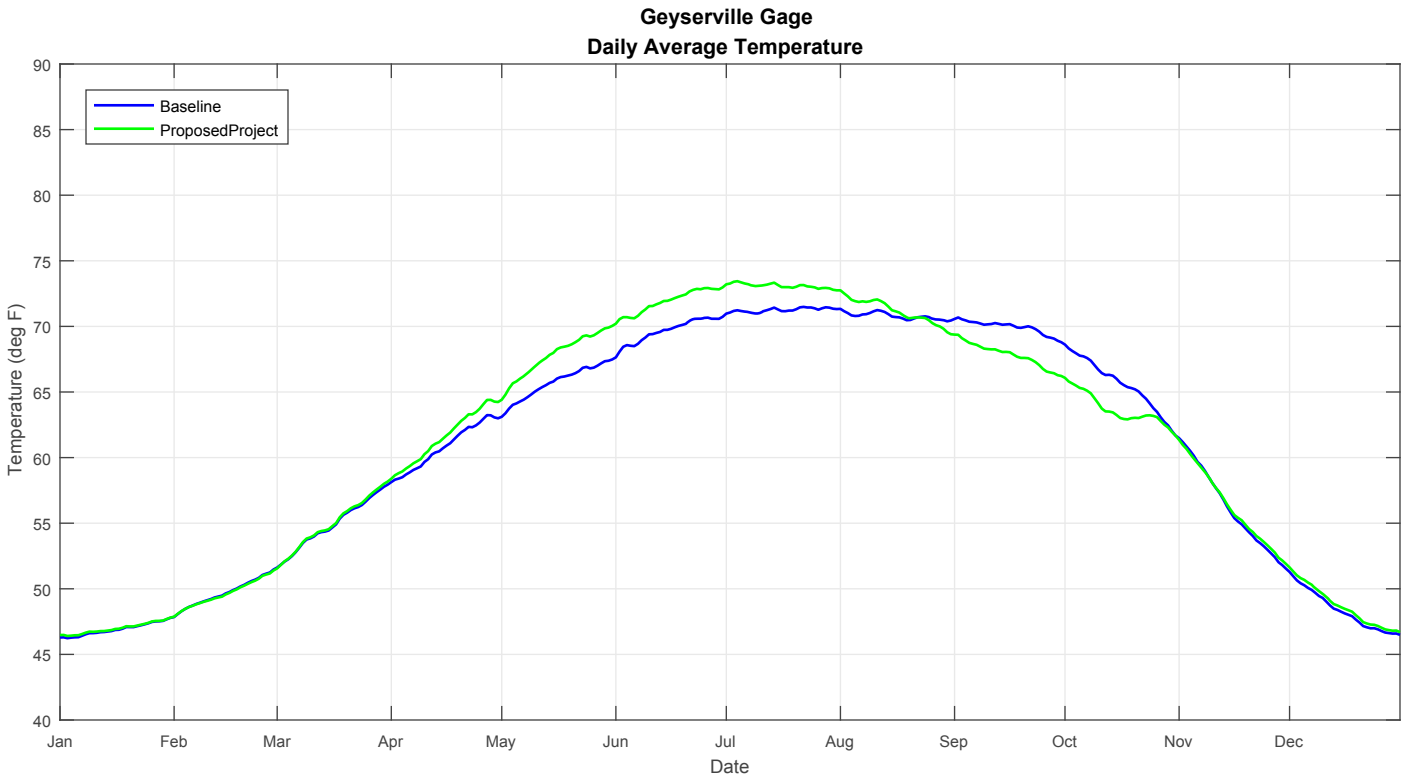
**Appendix G, Modeling Reports**

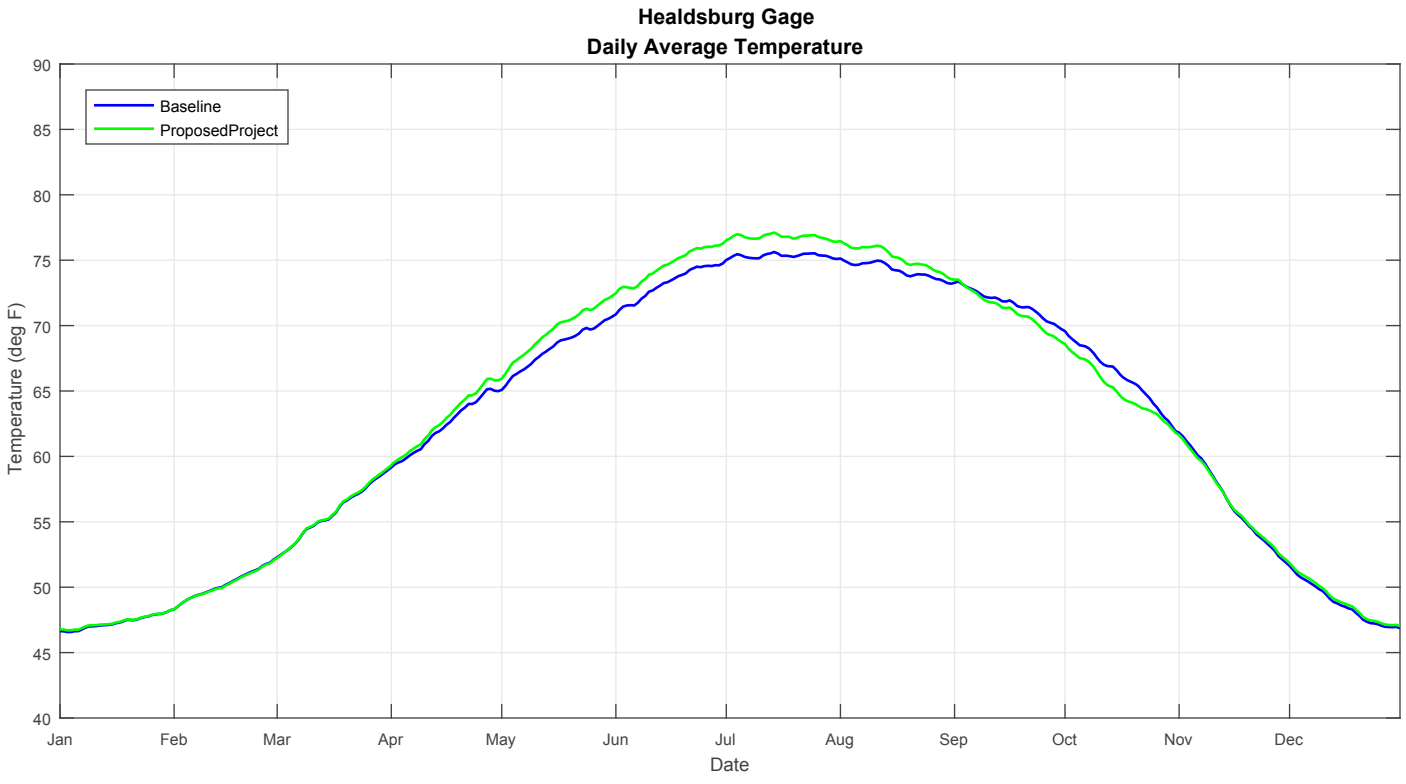
**Russian River Hydrologic Modeling for the Fish Habitat Flow and Water Rights Project, Attachment 3**

**Pages: 15 - 19, 22 - 26, 119 - 163, 177 - 221**


Hopland Gage
Daily Average Temperature
Baseline
ProposedProject
Temperature (deg F)
90
85
80
75
70
65
60
55
50
45
40
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date


Cloverdale Gage
Daily Average Temperature
Baseline
ProposedProject
Temperature (deg F)
90
85
80
75
70
65
60
55
50
45
40
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date


Geyserville Gage
Daily Average Temperature
Baseline
ProposedProject
Temperature (deg F)
90
85
80
75
70
65
60
55
50
45
40
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date


Healdsburg Gage
Daily Average Temperature
Baseline
ProposedProject
Temperature (deg F)
90
85
80
75
70
65
60
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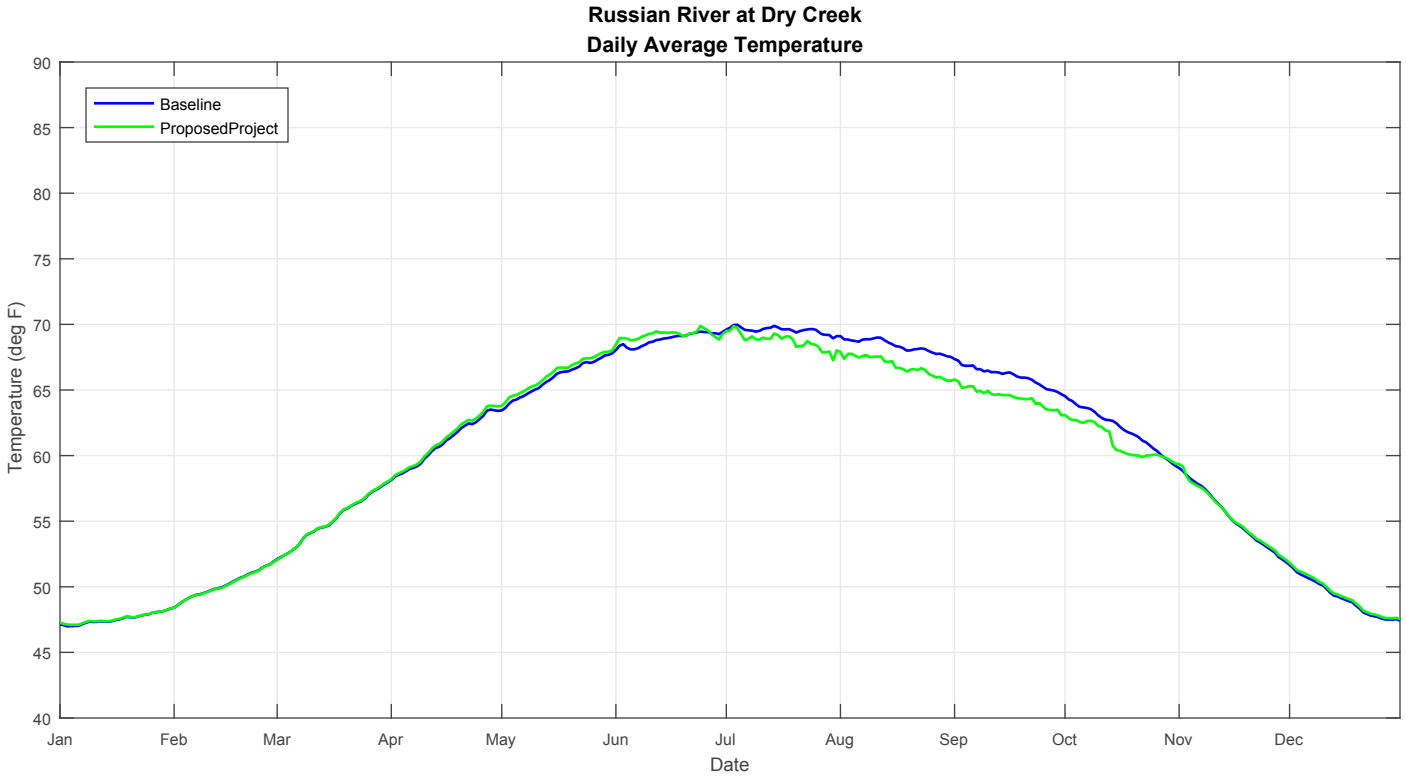
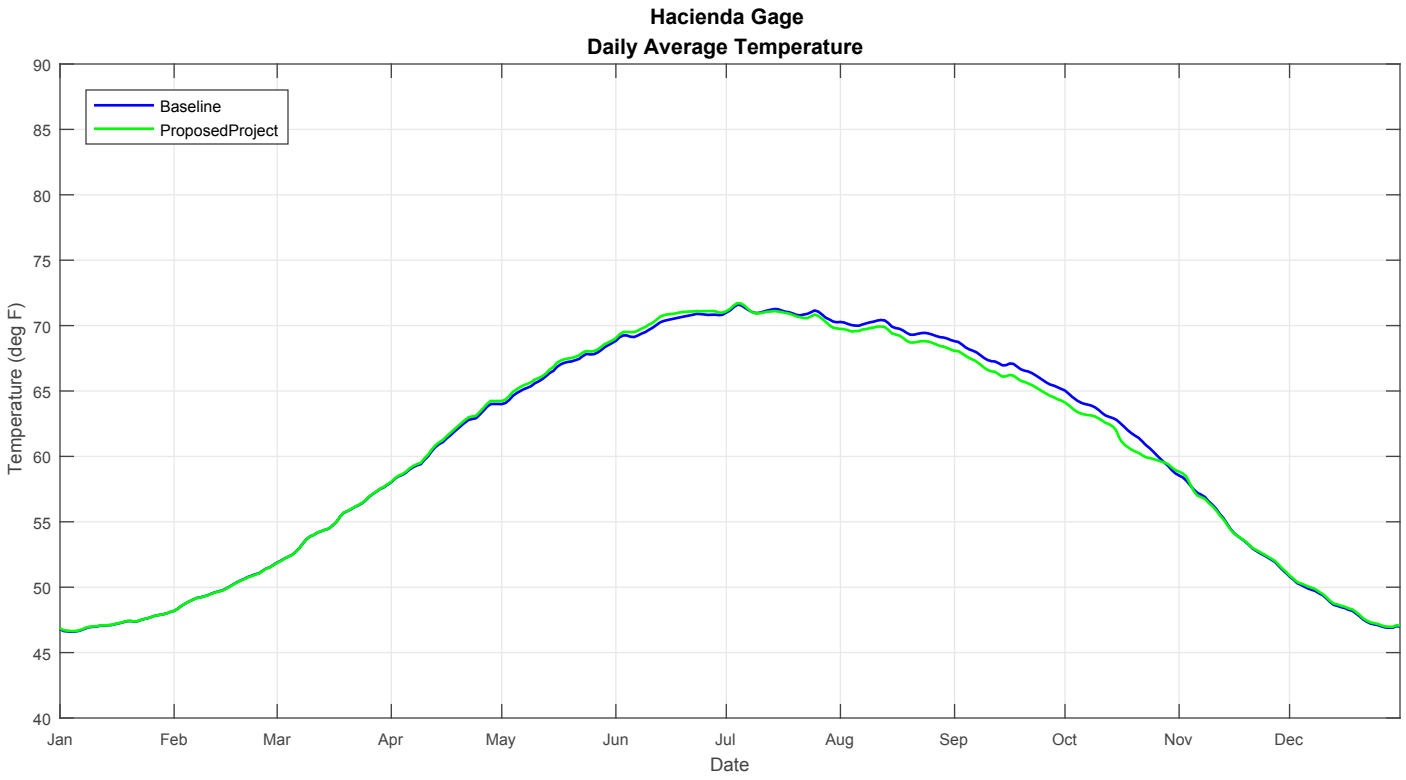
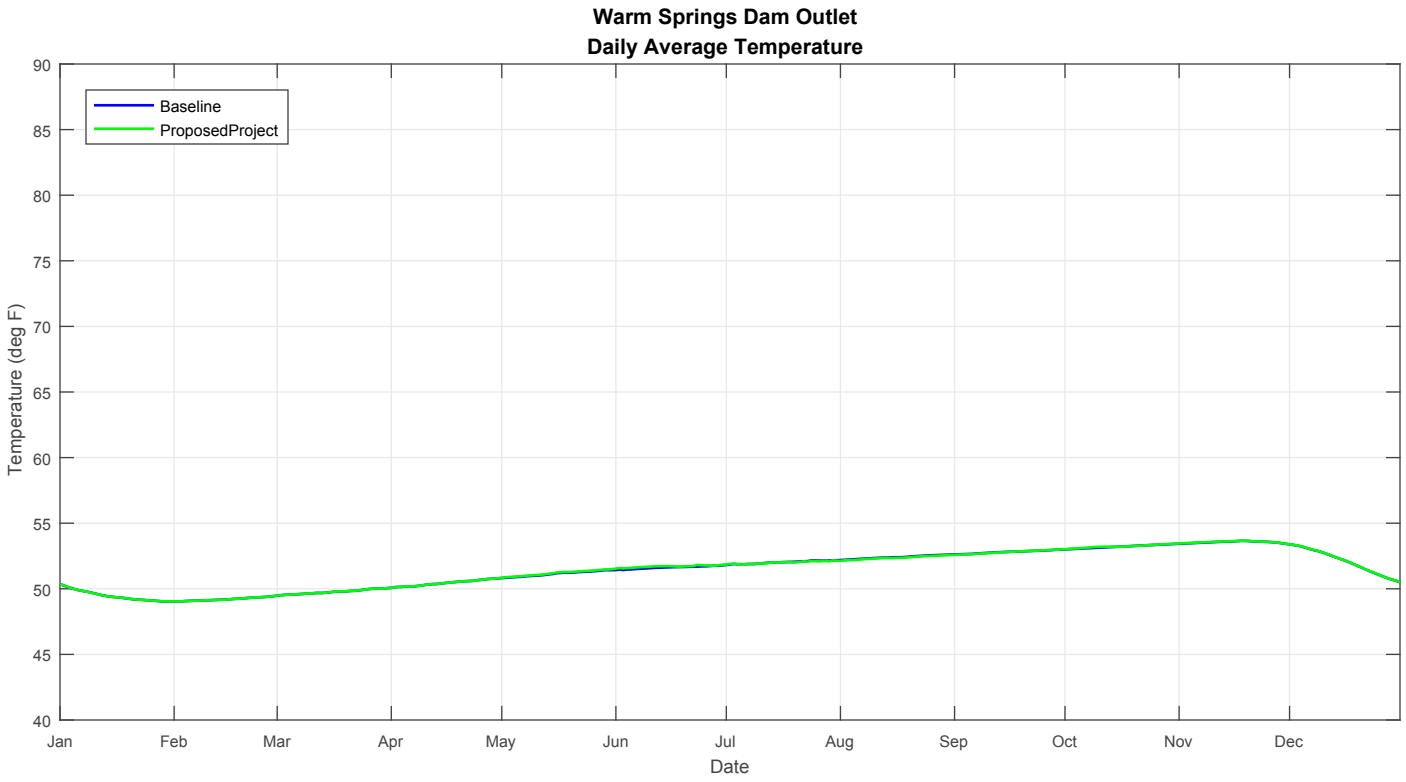
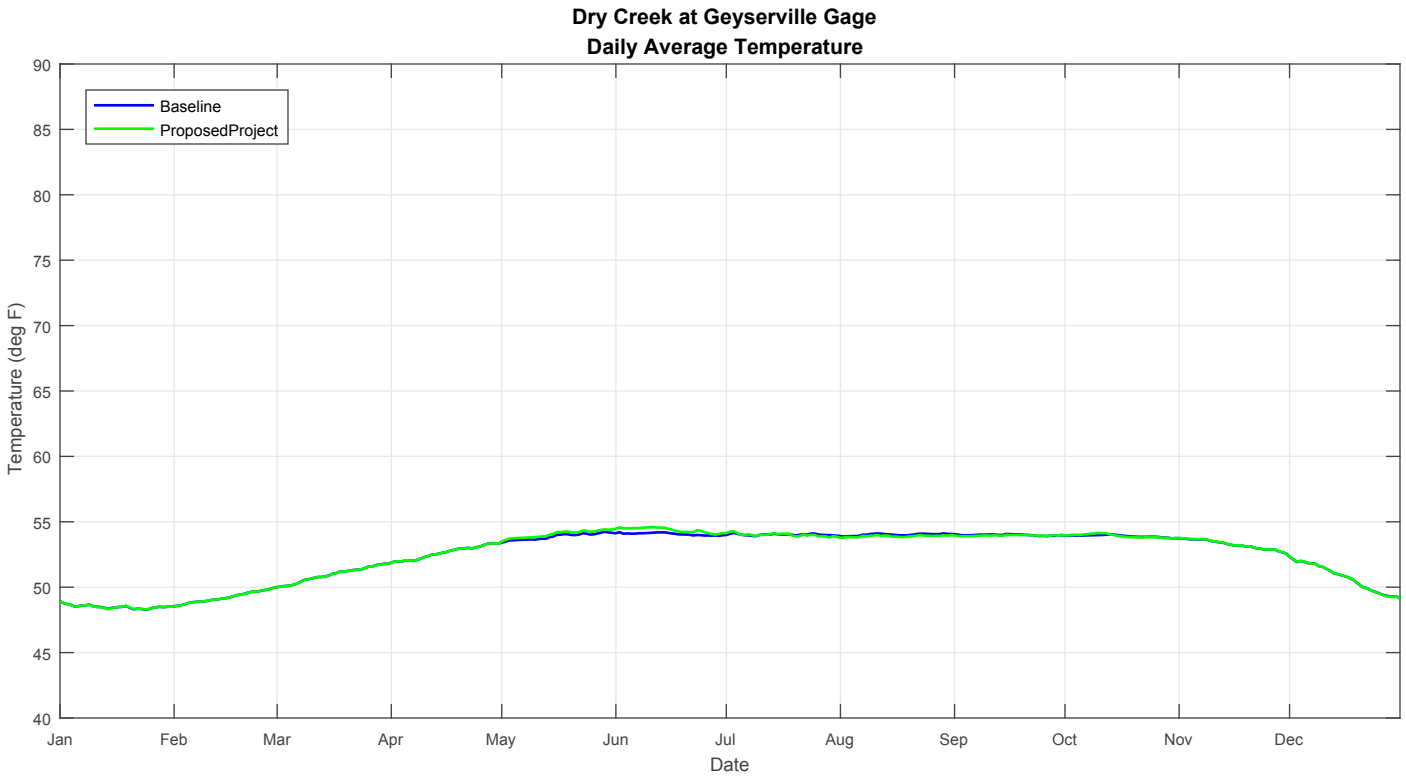
50
45
40
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date


Russian River at Dry Creek
Daily Average Temperature
Baseline
ProposedProject
Temperature (deg F)
90
85
80
75
70
65
60
55
50
45
40
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date


Hacienda Gage
Daily Average Temperature
Baseline
ProposedProject
Temperature (deg F)
90
85
80
75
70
65
60
55
50
45
40
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date


Warm Springs Dam Outlet
Daily Average Temperature
Baseline
ProposedProject
Temperature (deg F)
90
85
80
75
70
65
60
55
50
45
40
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date


Dry Creek at Geyserville Gage
Daily Average Temperature
Baseline
ProposedProject
Temperature (deg F)
90
85
80
75
70
65
60
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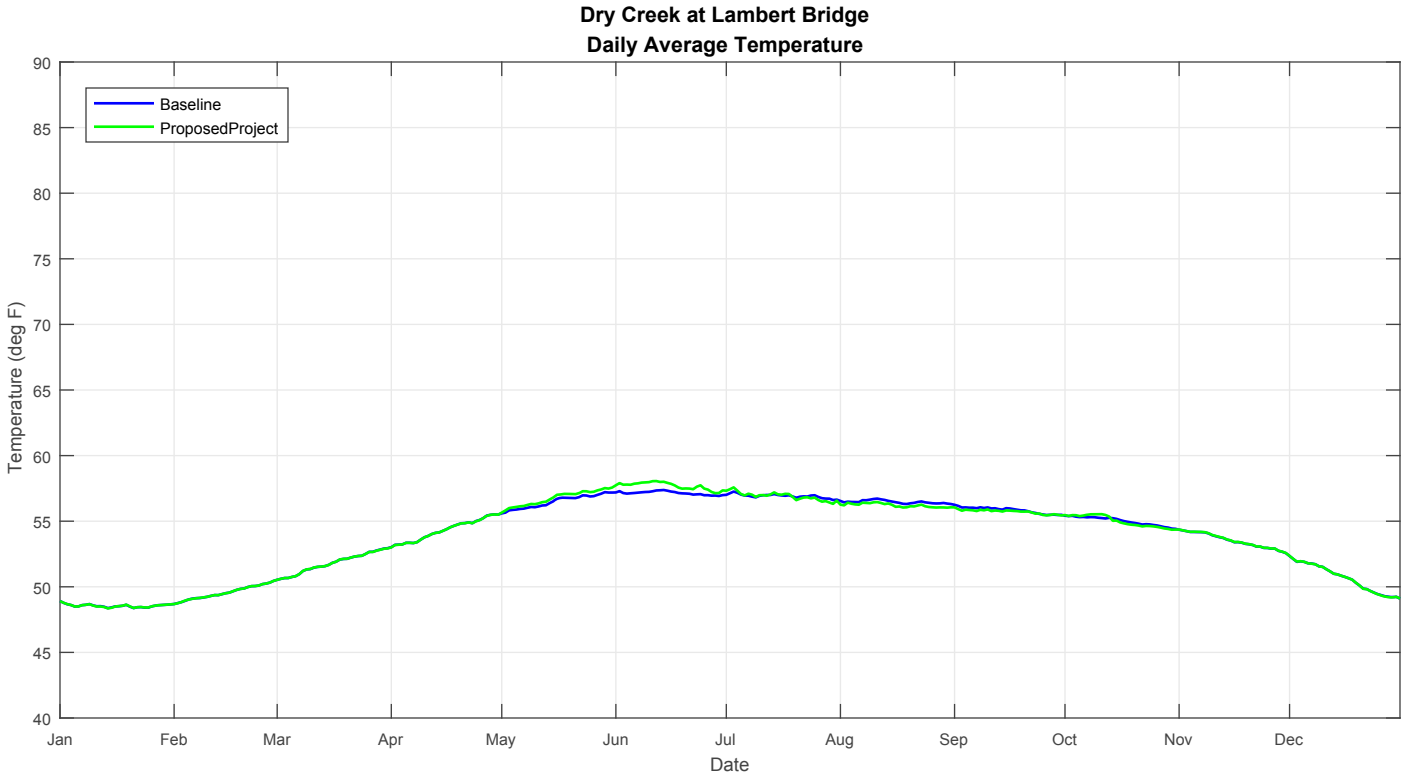
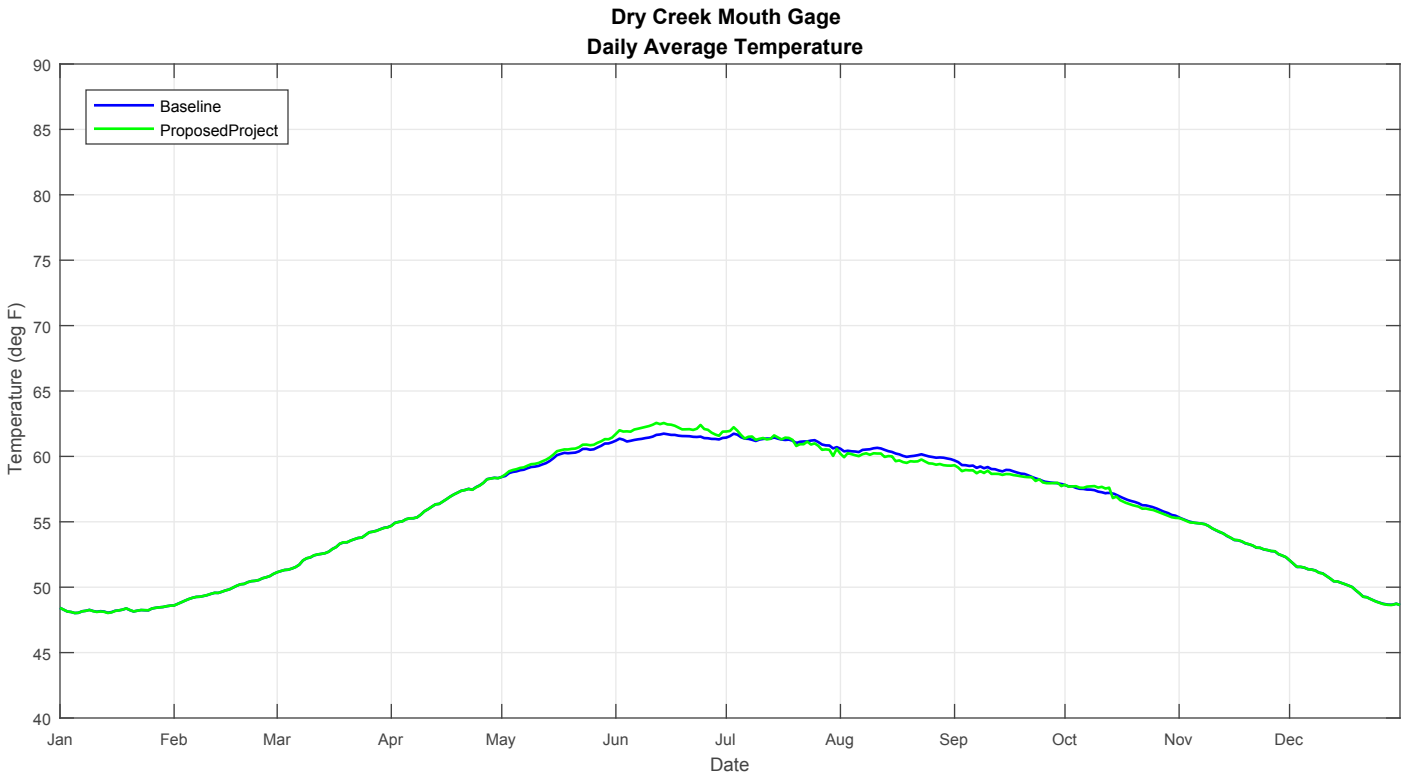
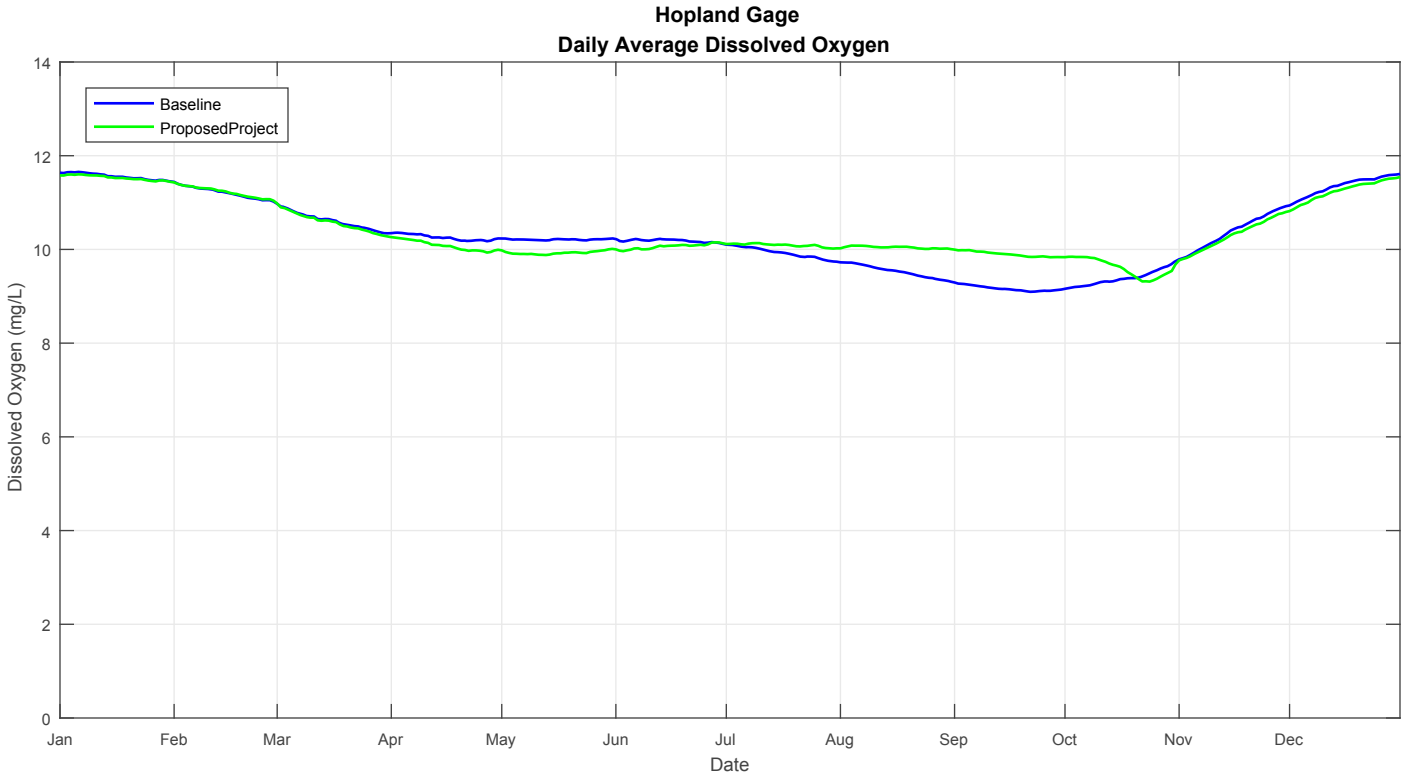
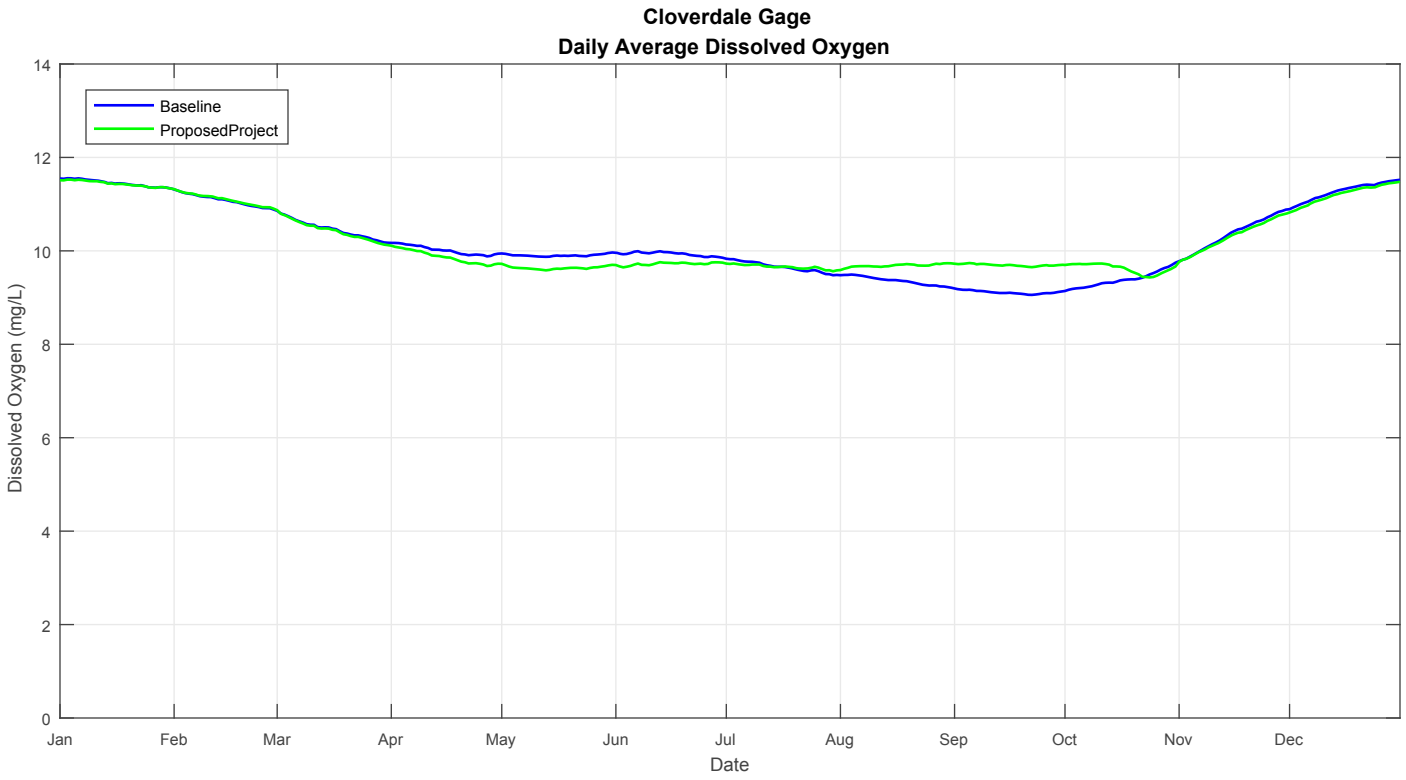
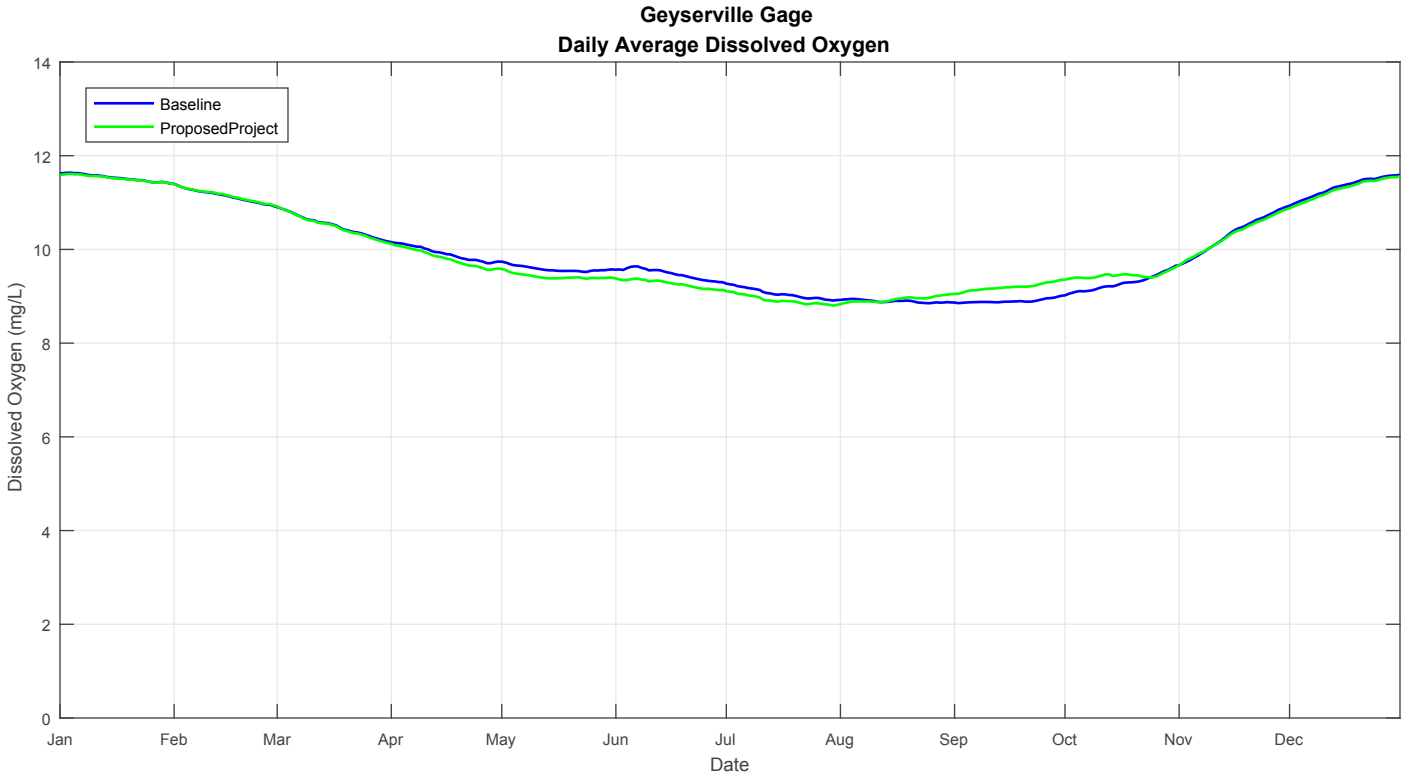
50
45
40
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date

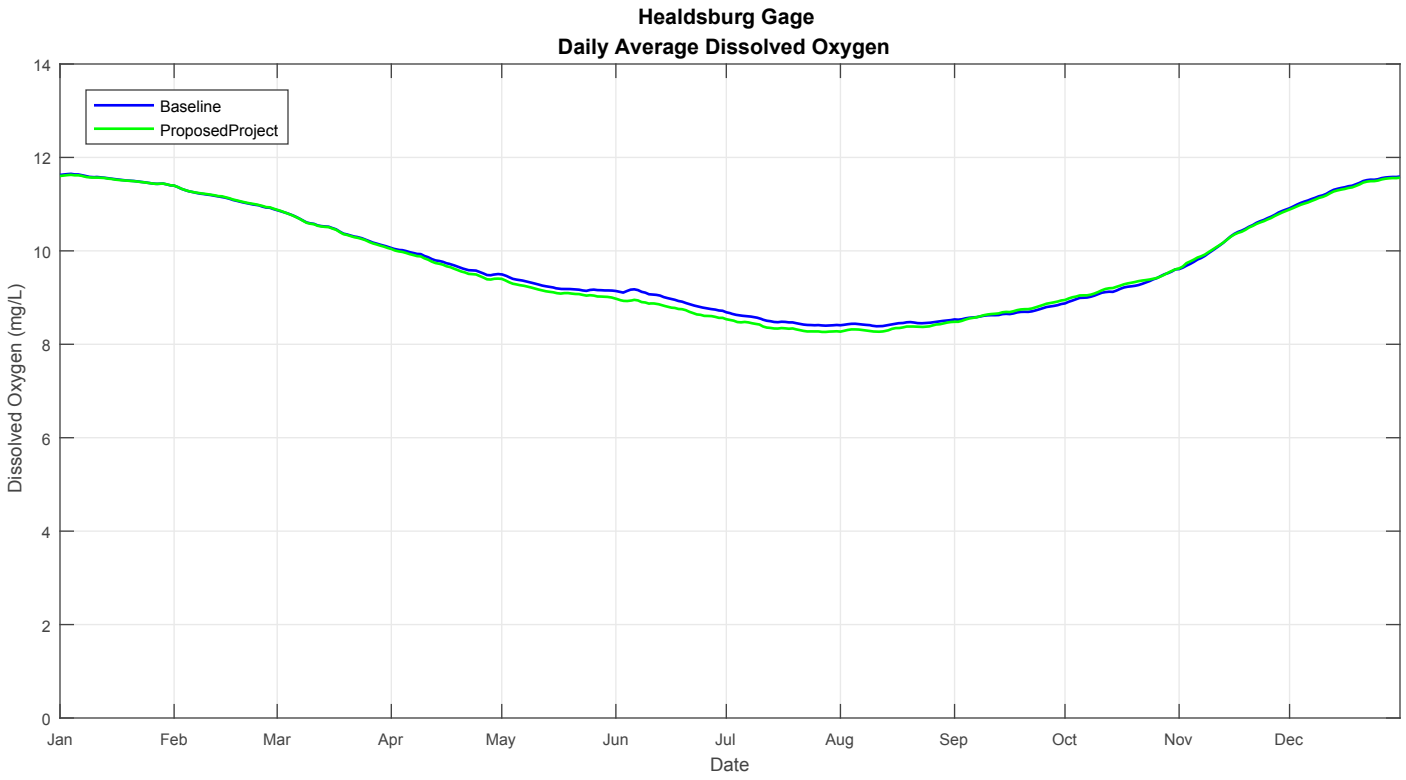

Dry Creek at Lambert Bridge
Daily Average Temperature
Baseline
ProposedProject
Temperature (deg F)
90
85
80
75
70
65
60
55
50
45
40
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date

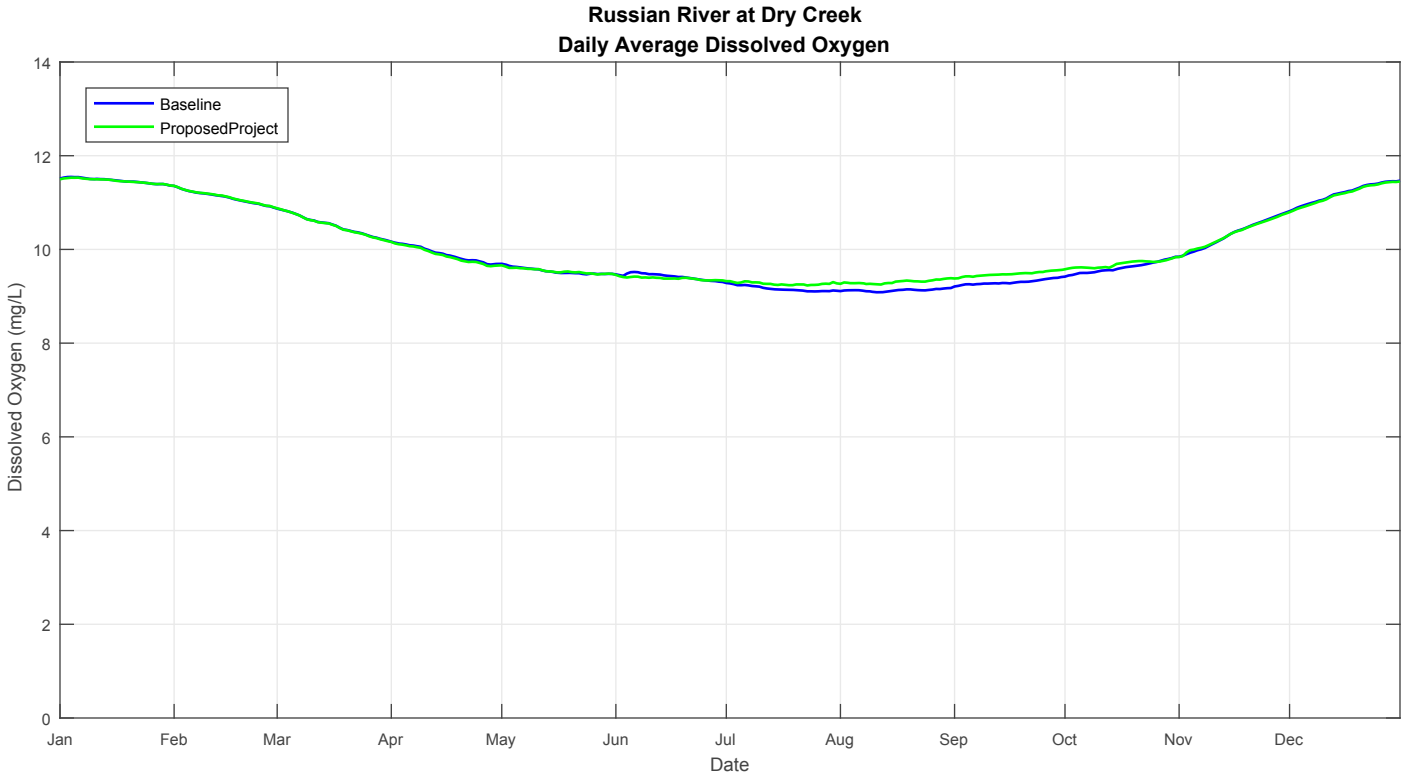

Dry Creek Mouth Gage
Daily Average Temperature
Baseline
ProposedProject
Temperature (deg F)
90
85
80
75
70
65
60
55
50
45
40
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date

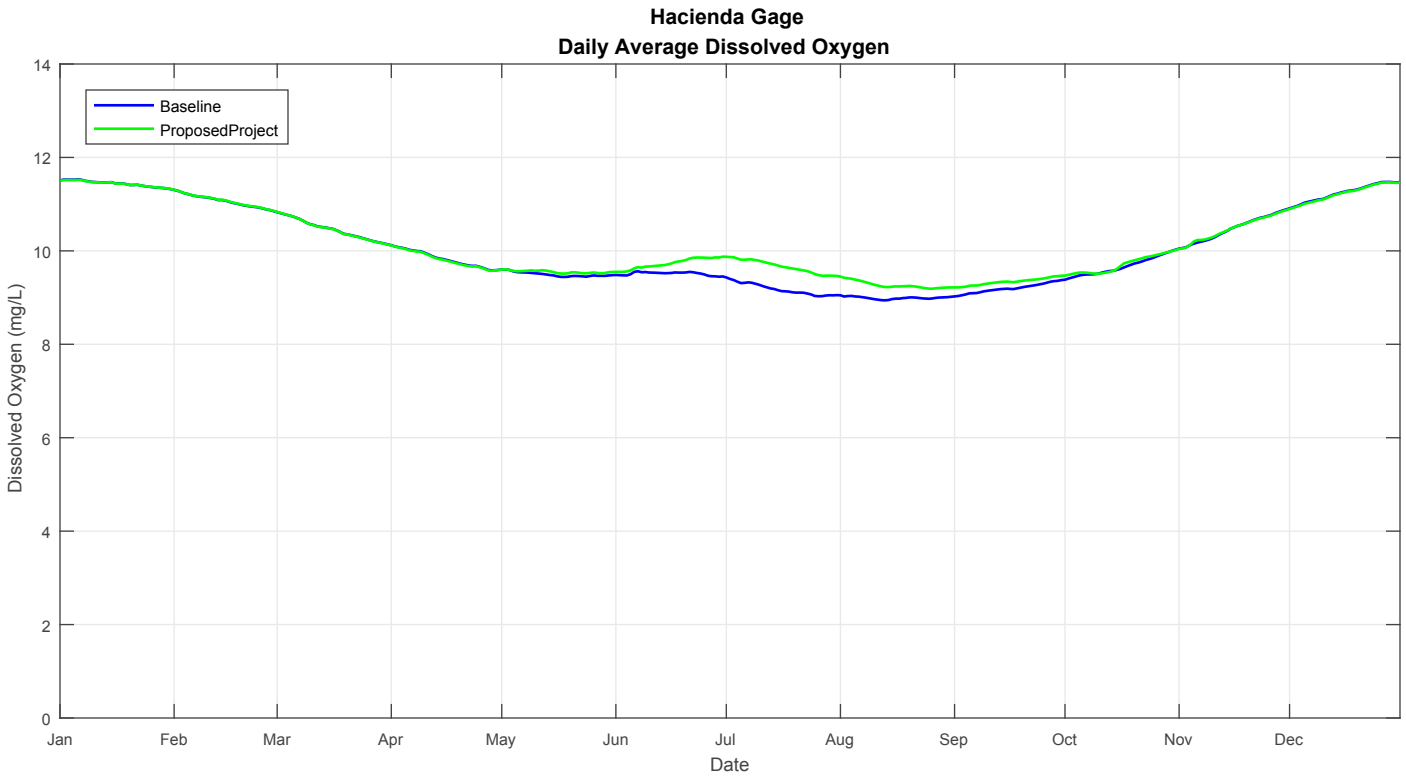

Hopland Gage
Daily Average Dissolved Oxygen
Baseline
ProposedProject
Dissolved Oxygen (mg/L)
0
2
4
6
8
10
12
14
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date

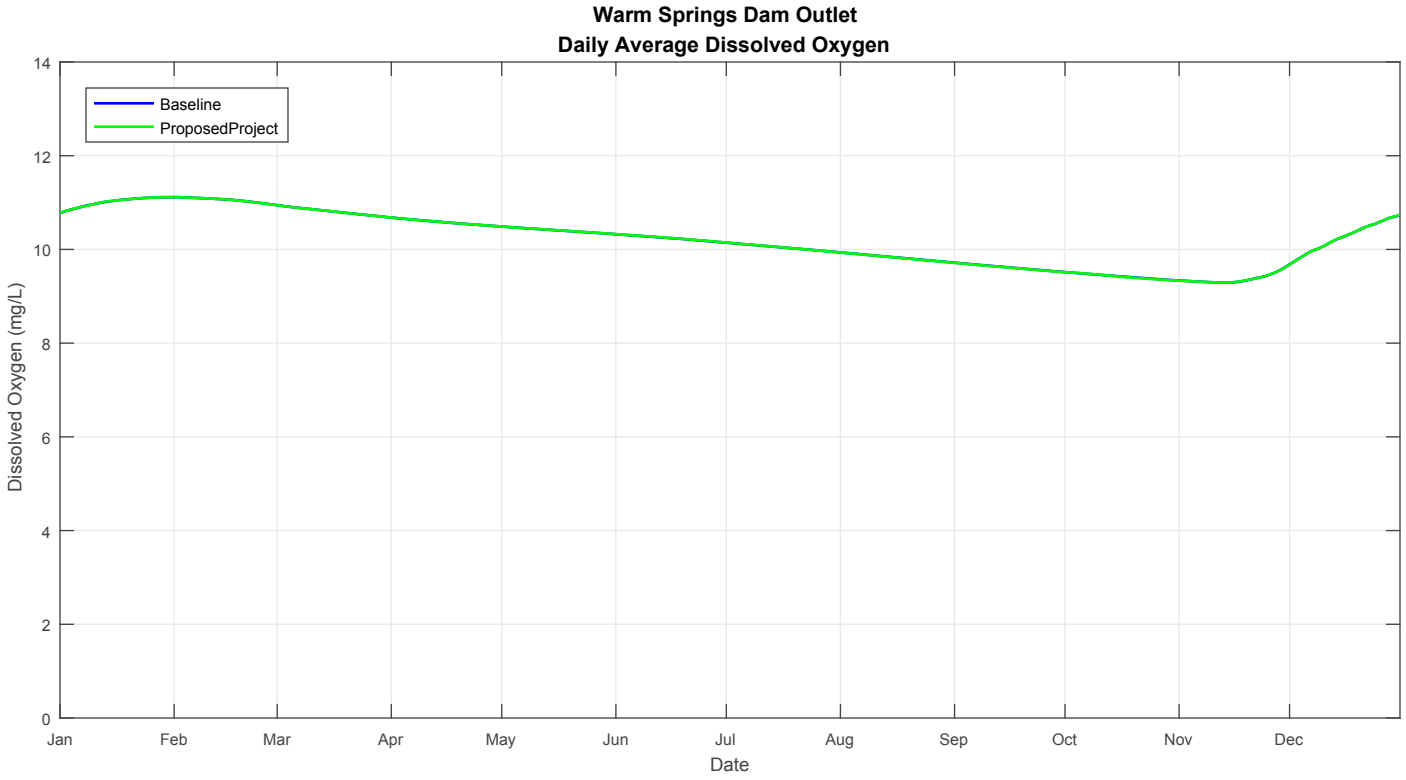

Cloverdale Gage
Daily Average Dissolved Oxygen
Baseline
ProposedProject
Dissolved Oxygen (mg/L)
0
2
4
6
8
10
12
14
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date

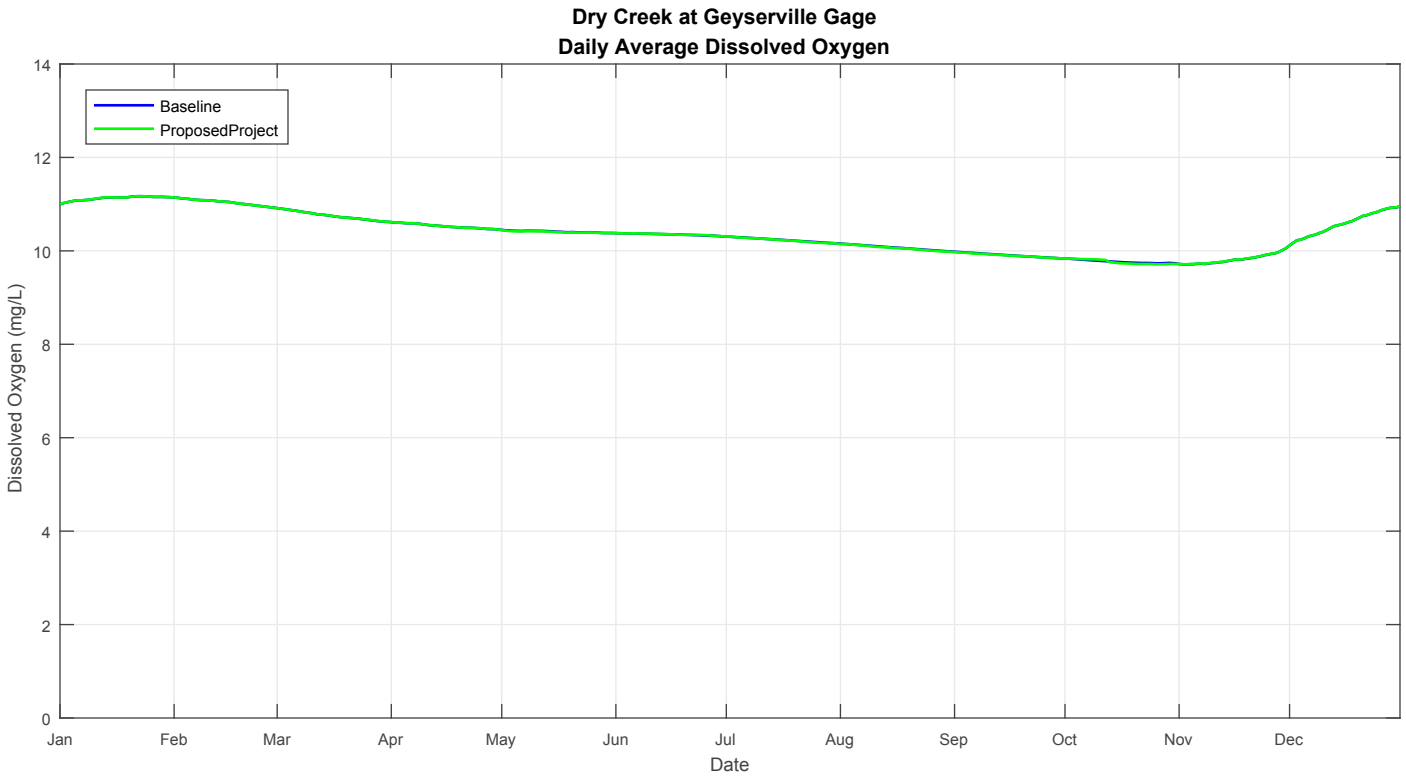

Geyserville Gage
Daily Average Dissolved Oxygen
Baseline
ProposedProject
Dissolved Oxygen (mg/L)
0
2
4
6
8
10
12
14
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date

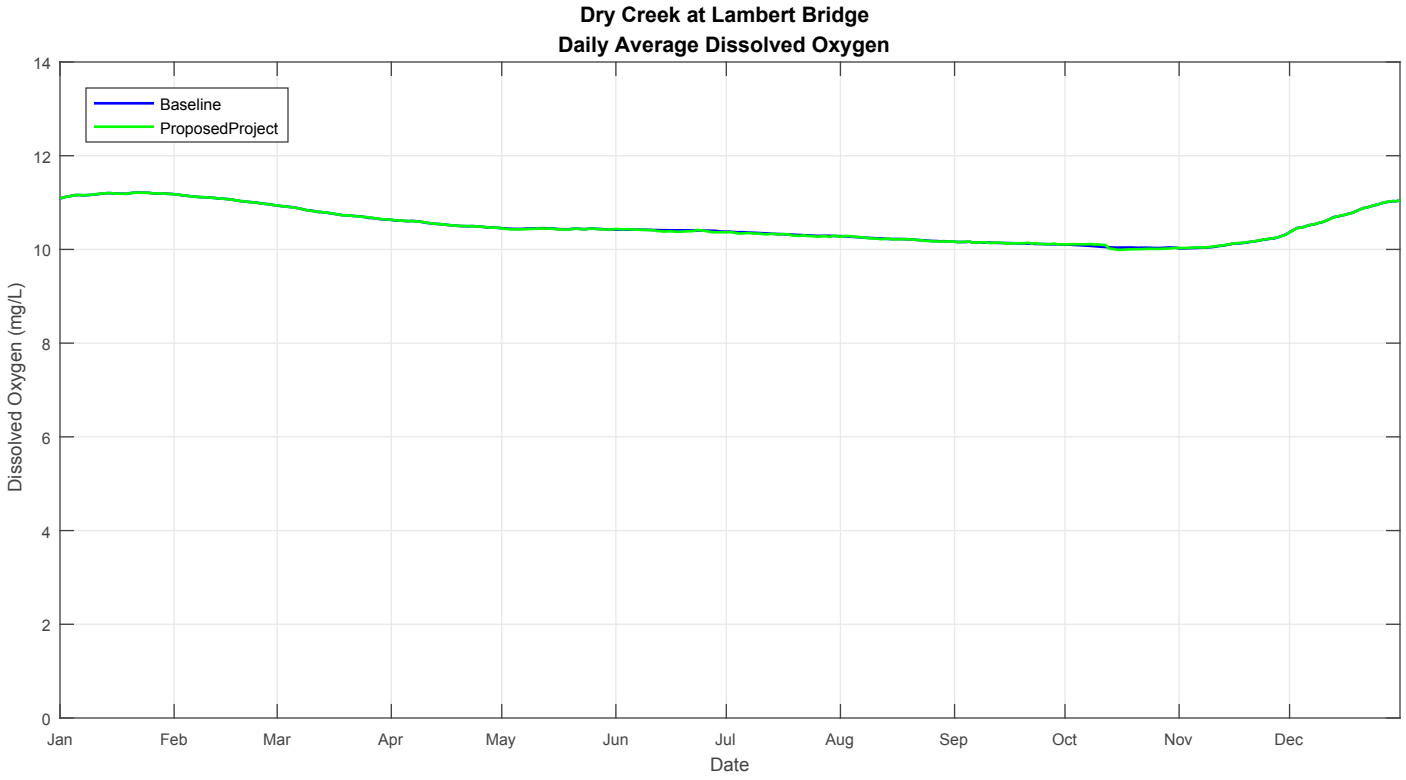

Healdsburg Gage
Daily Average Dissolved Oxygen
Baseline
ProposedProject
Dissolved Oxygen (mg/L)
0
2
4
6
8
10
12
14
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date

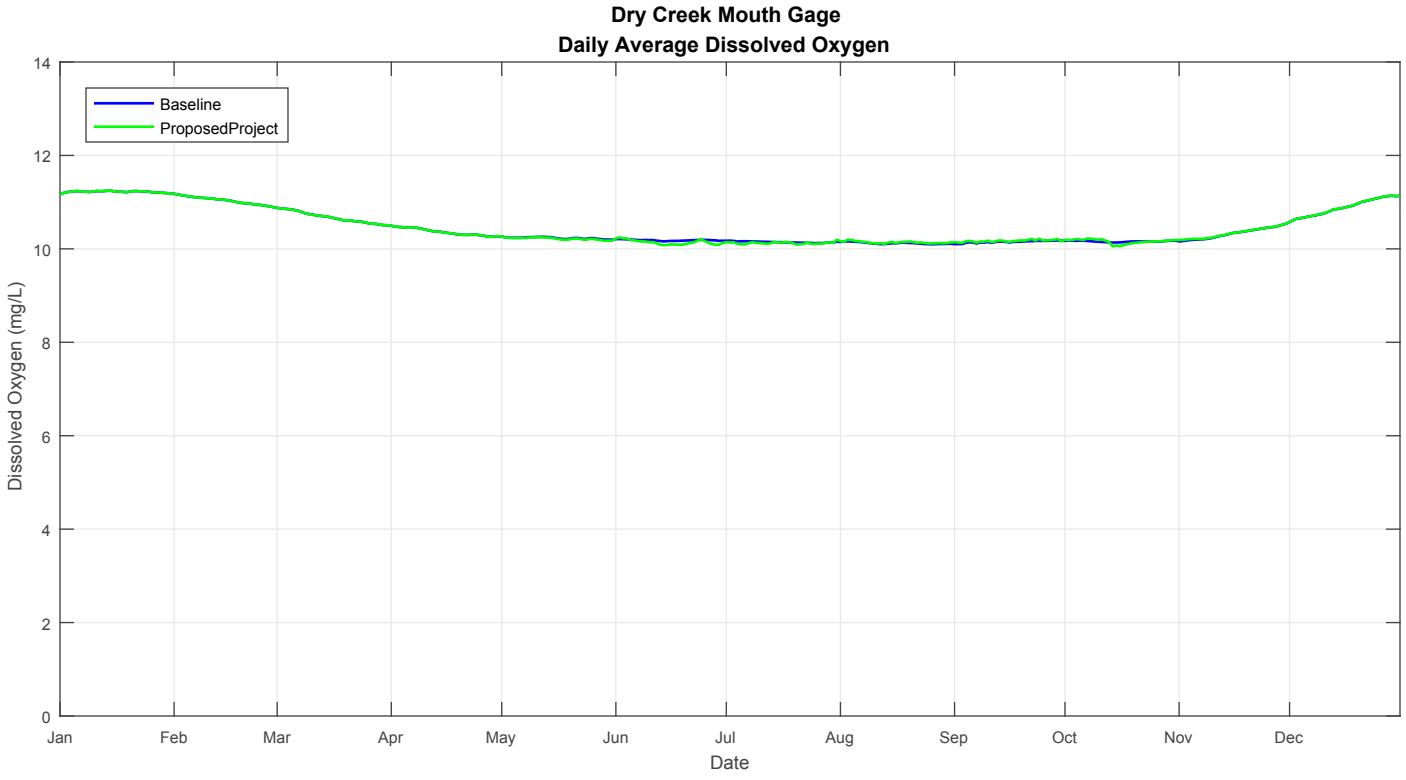

Russian River at Dry Creek
Daily Average Dissolved Oxygen
Baseline
ProposedProject
Dissolved Oxygen (mg/L)
0
2
4
6
8
10
12
14
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date

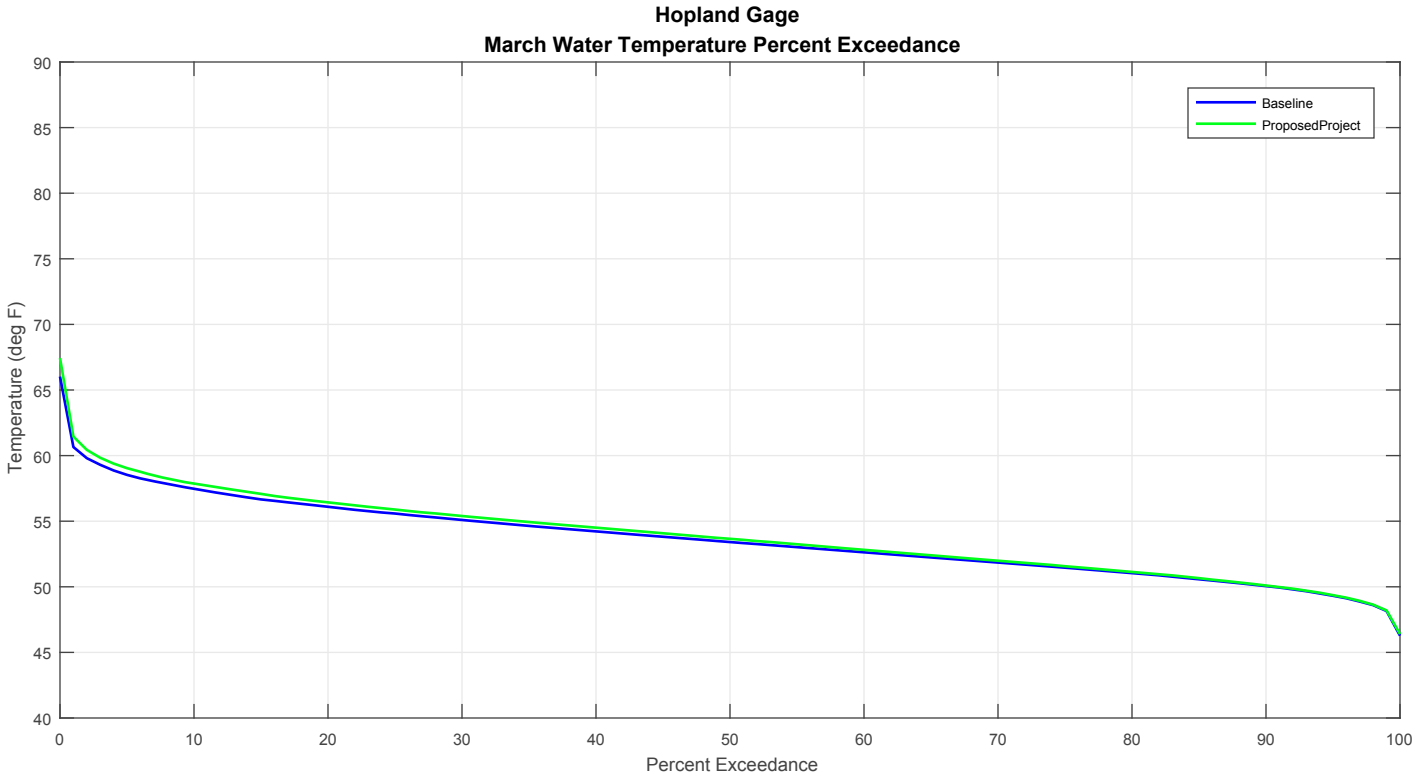

Hacienda Gage
Daily Average Dissolved Oxygen
Baseline
ProposedProject
Dissolved Oxygen (mg/L)
0
2
4
6
8
10
12
14
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date


Warm Springs Dam Outlet
Daily Average Dissolved Oxygen
Baseline
ProposedProject
Dissolved Oxygen (mg/L)
0
2
4
6
8
10
12
14
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date


Dry Creek at Geyserville Gage
Daily Average Dissolved Oxygen
Baseline
ProposedProject
Dissolved Oxygen (mg/L)
0
2
4
6
8
10
12
14
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date


Dry Creek at Lambert Bridge
Daily Average Dissolved Oxygen
Baseline
ProposedProject
Dissolved Oxygen (mg/L)
0
2
4
6
8
10
12
14
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date


Dry Creek Mouth Gage
Daily Average Dissolved Oxygen
Baseline
ProposedProject
Dissolved Oxygen (mg/L)
0
2
4
6
8
10
12
14
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date


Hopland Gage
March Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
90
85
80
75
70
65
60
55
50
45
40
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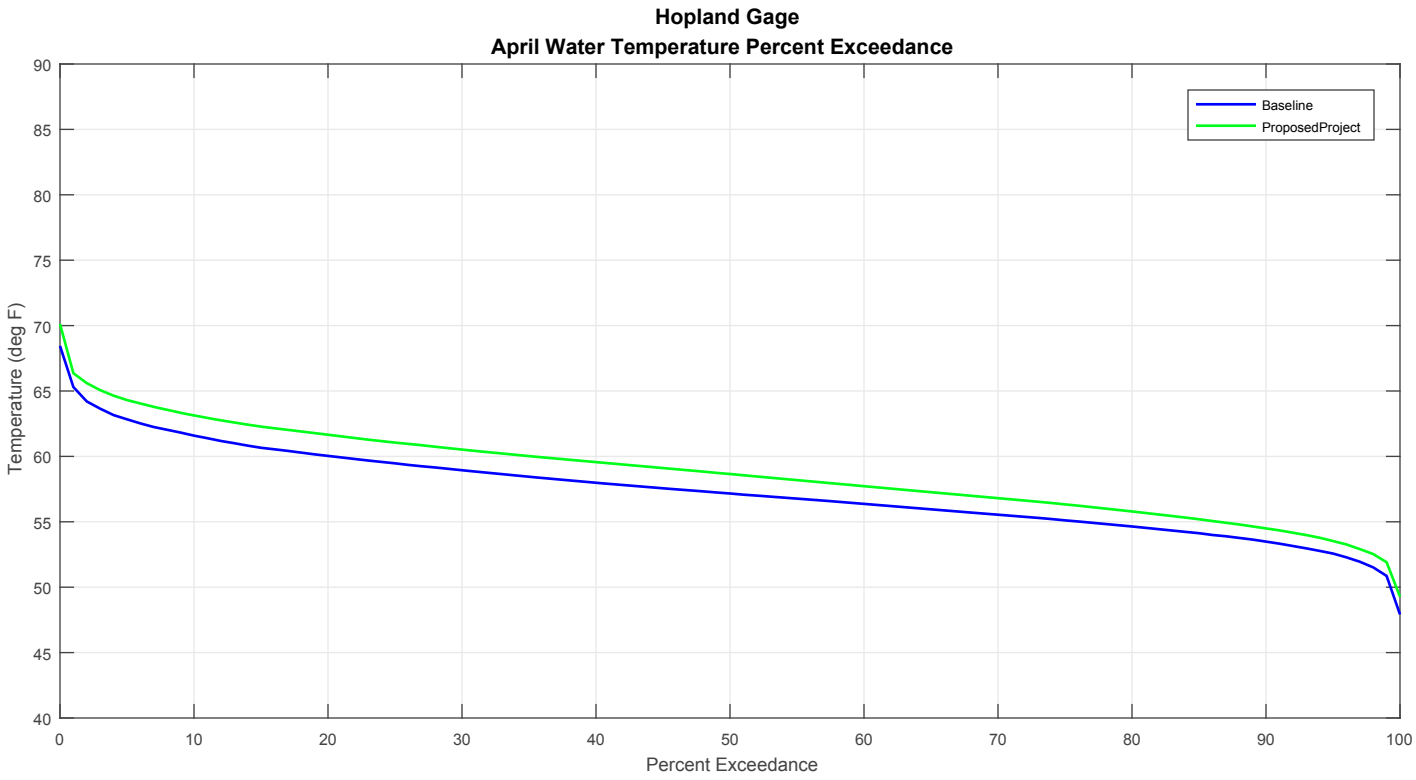
10
20
30
40
50
60
70
80
90
100


Hopland Gage
April Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
90
85
80
75
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70
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90
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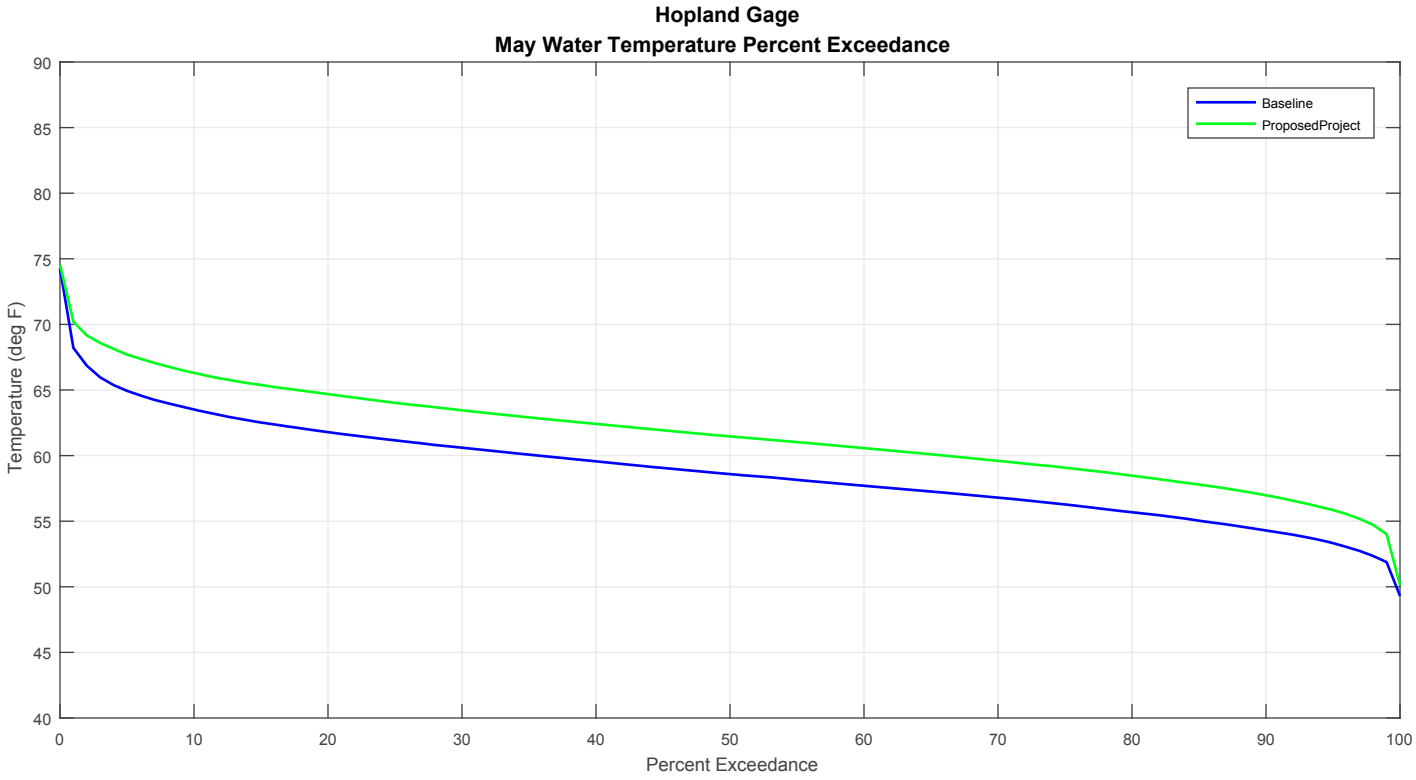
Hopland Gage
May Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
90
85
80
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30
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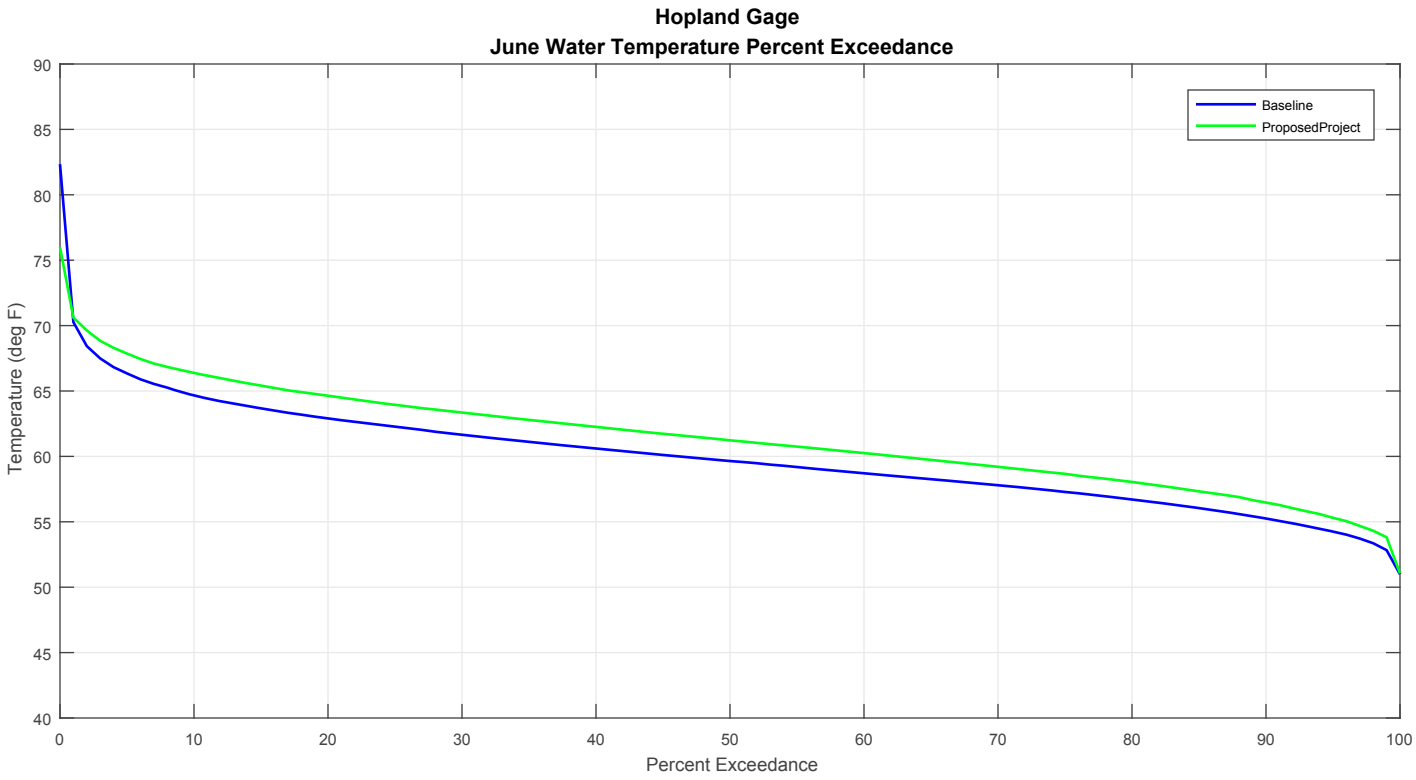
70
80
90
100


Hopland Gage
June Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
90
85
80
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30
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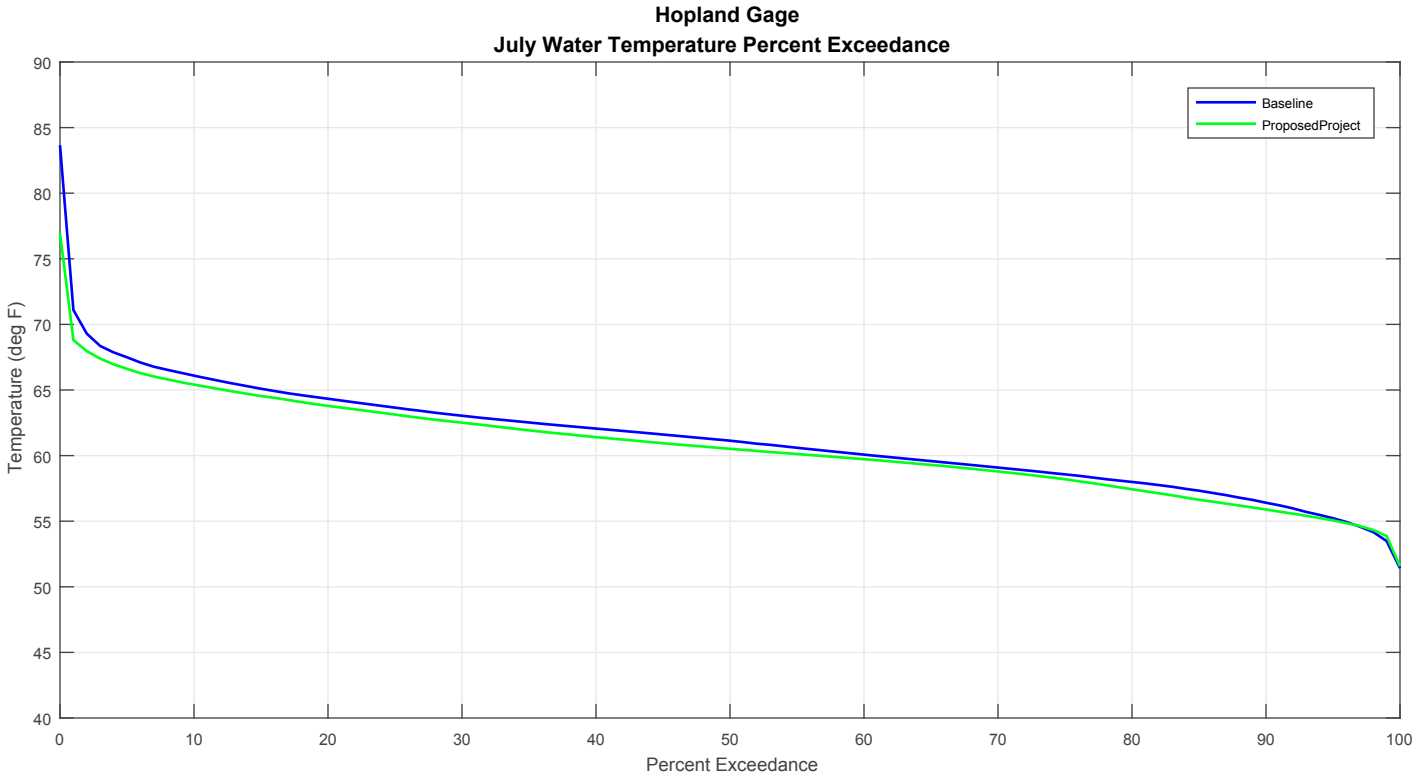
70
80
90
100


Hopland Gage
July Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
90
85
80
75
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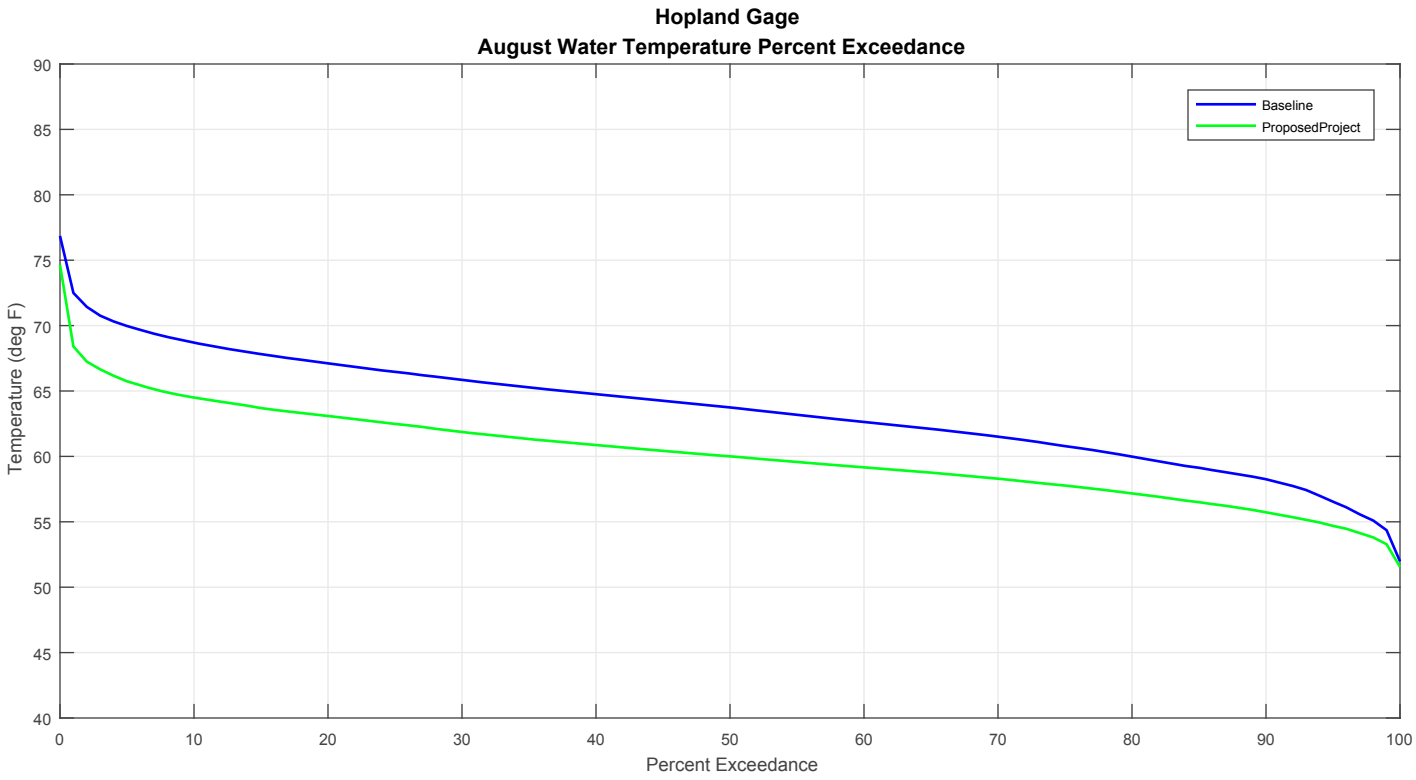
10
20
30
40
50
60
70
80
90
100


Hopland Gage
August Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
90
85
80
75
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55
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30
40
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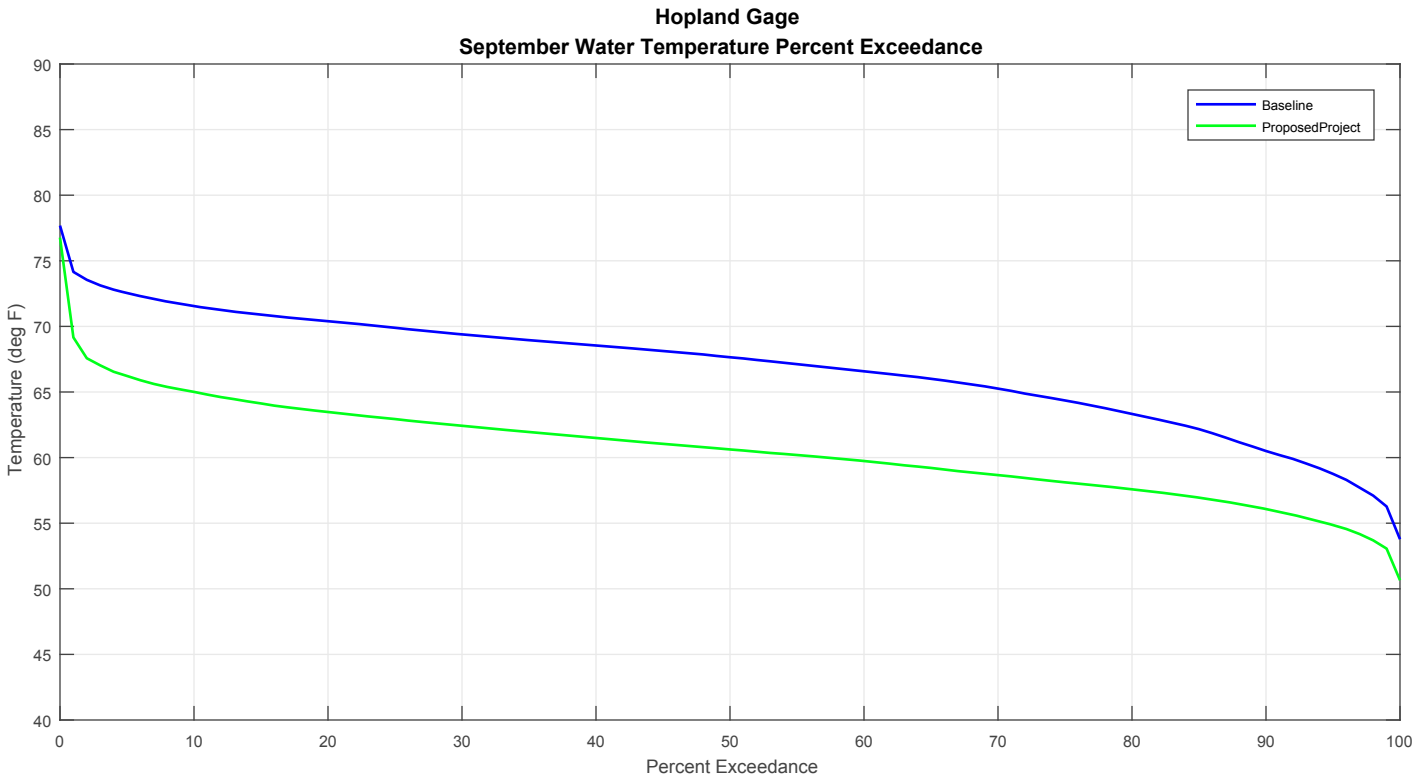
60
70
80
90
100


Hopland Gage
September Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
90
85
80
75
70
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55
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45
40
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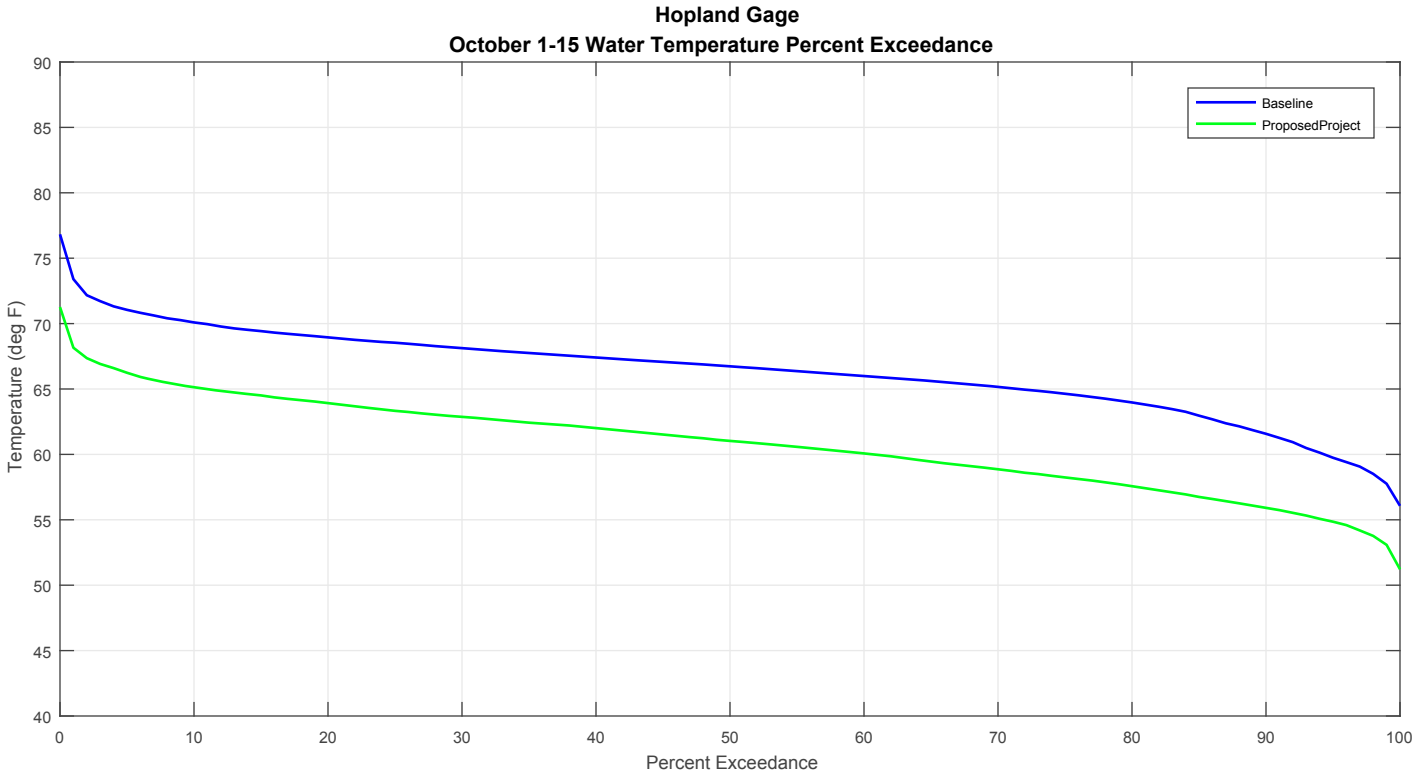
10
20
30
40
50
60
70
80
90
100


Hopland Gage
October 1-15 Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
90
85
80
75
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60
55
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10
20
30
40
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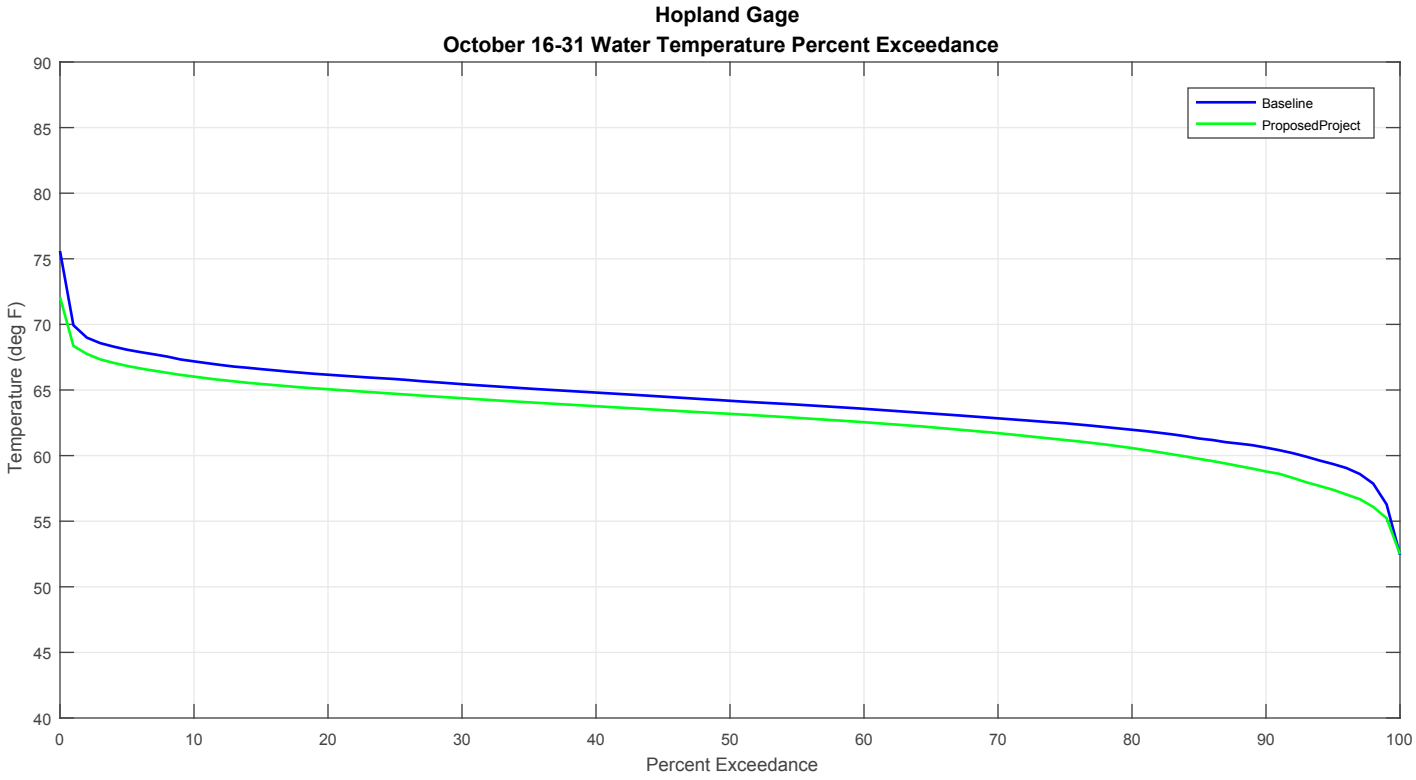
60
70
80
90
100


Hopland Gage
October 16-31 Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
90
85
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75
70
65
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45
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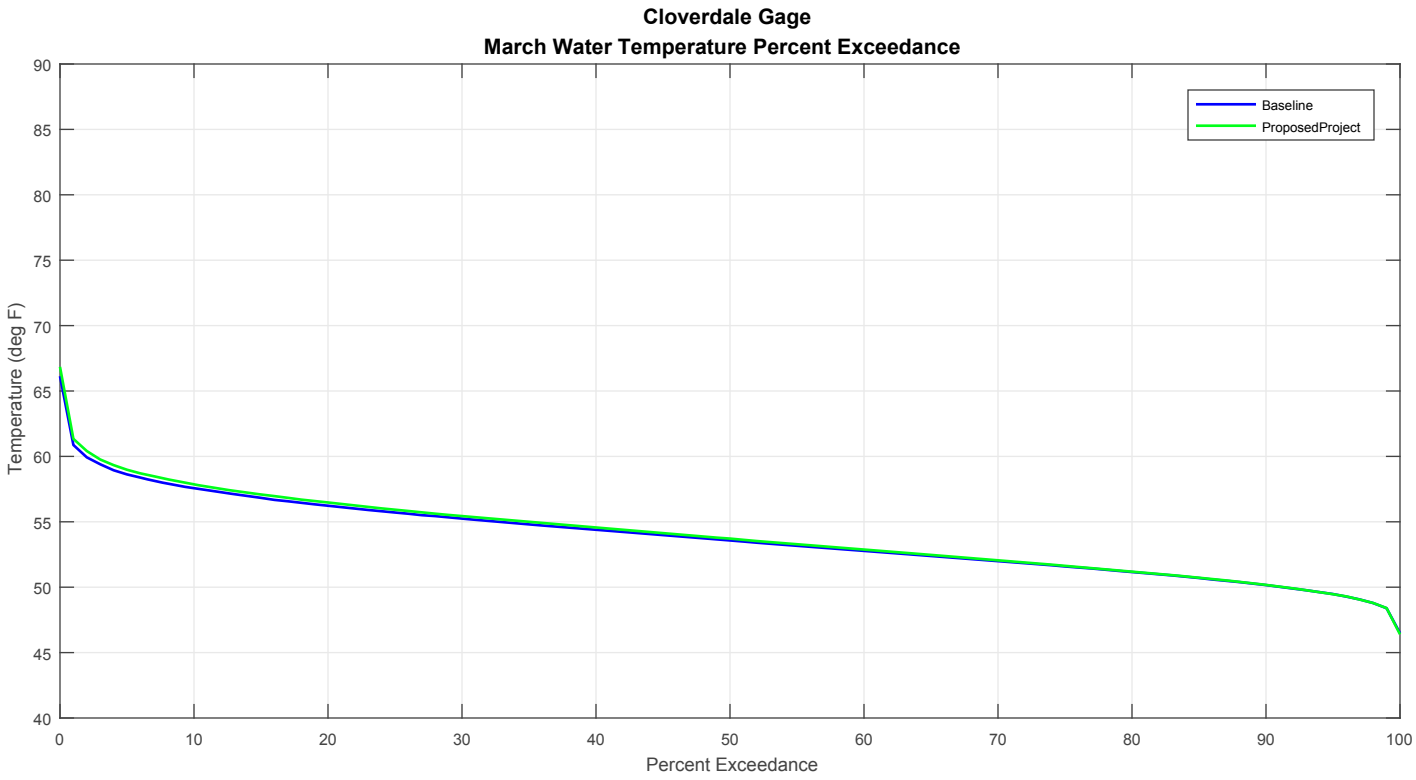
0
10
20
30
40
50
60
70
80
90
100


Cloverdale Gage
March Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
90
85
80
75
70
65
60
55
50
45
40
0
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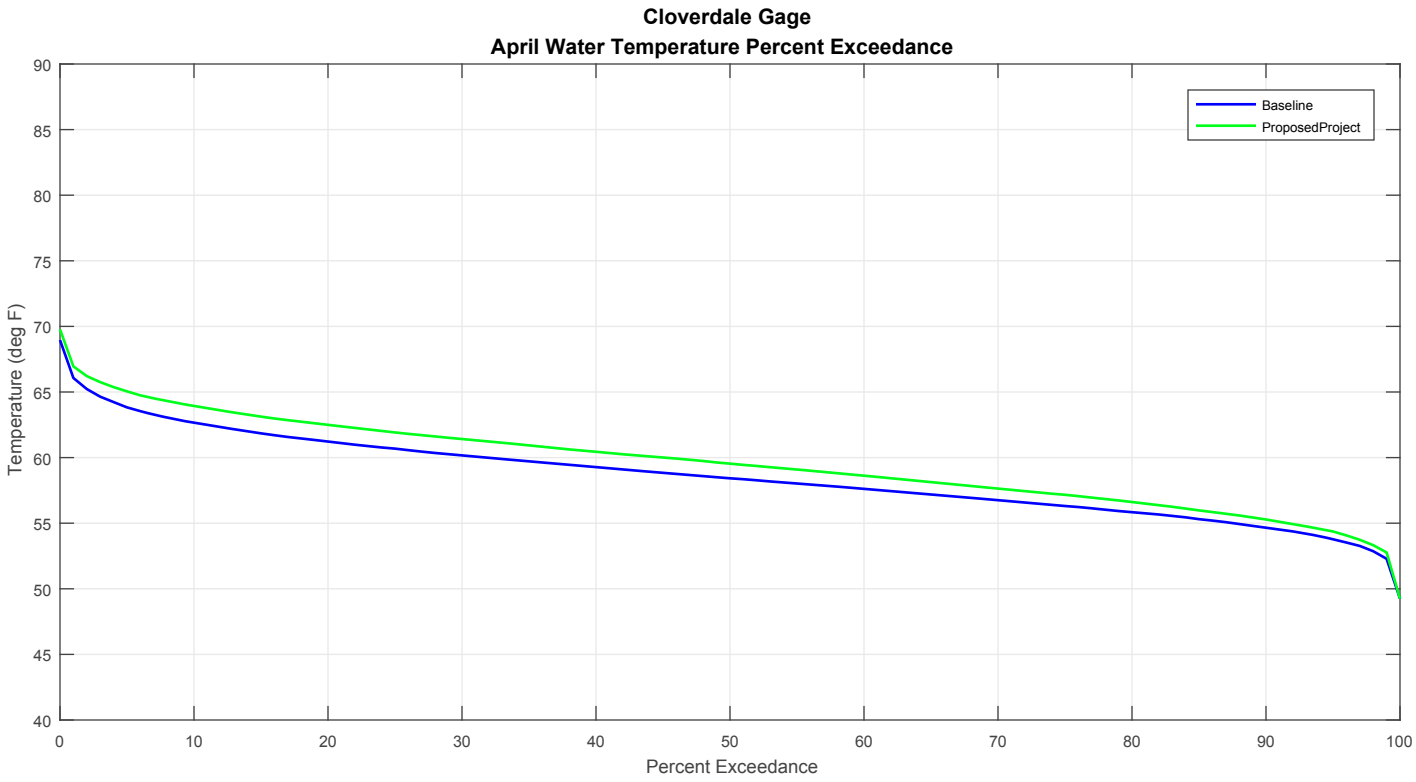
Cloverdale Gage
April Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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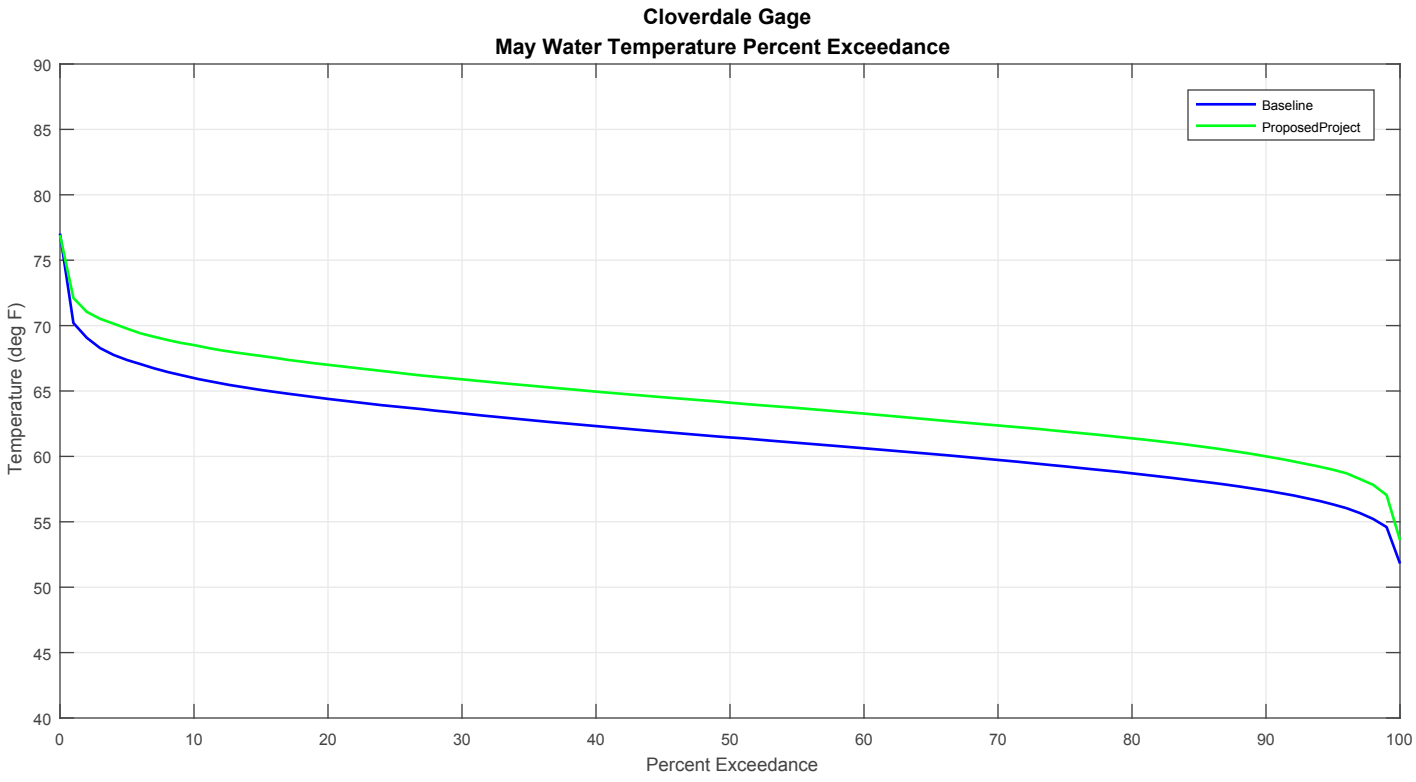
Cloverdale Gage
May Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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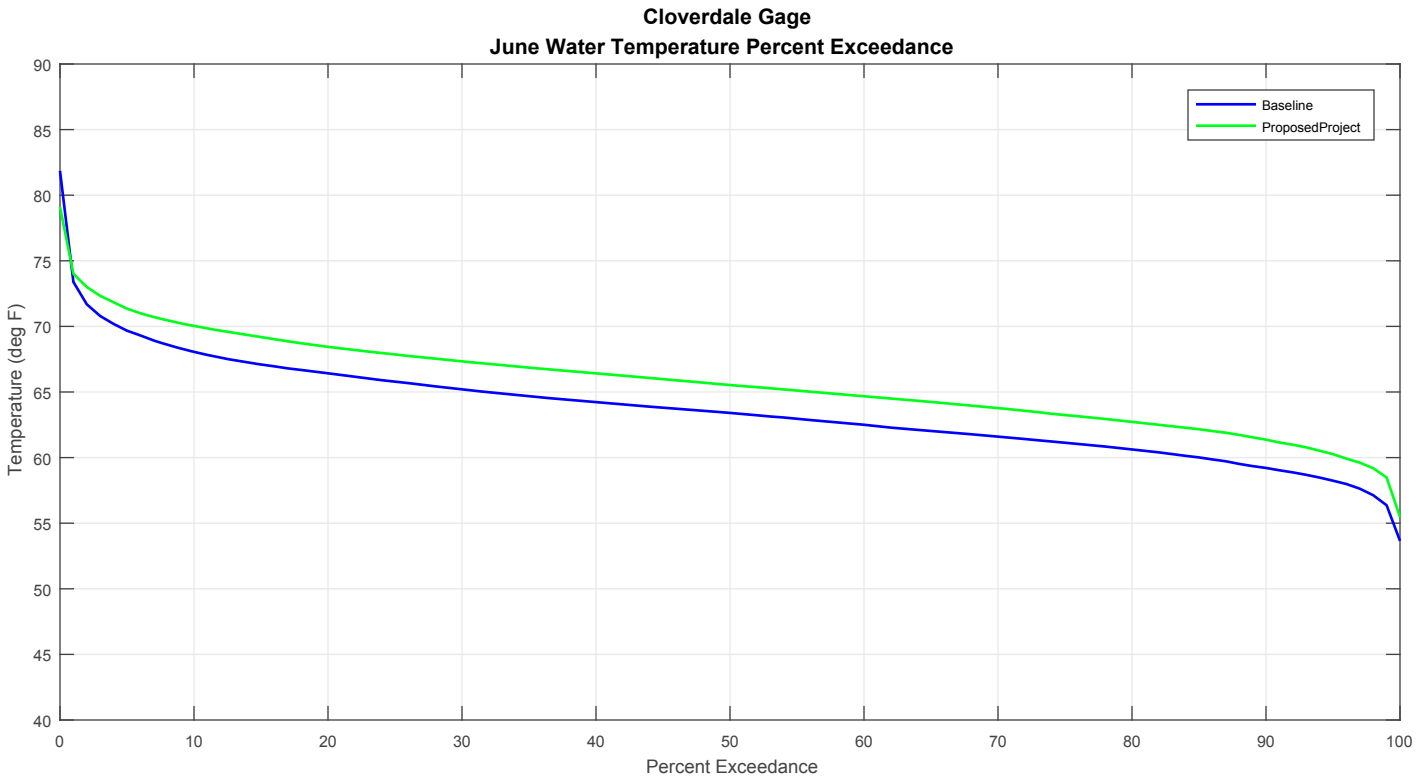
Cloverdale Gage
June Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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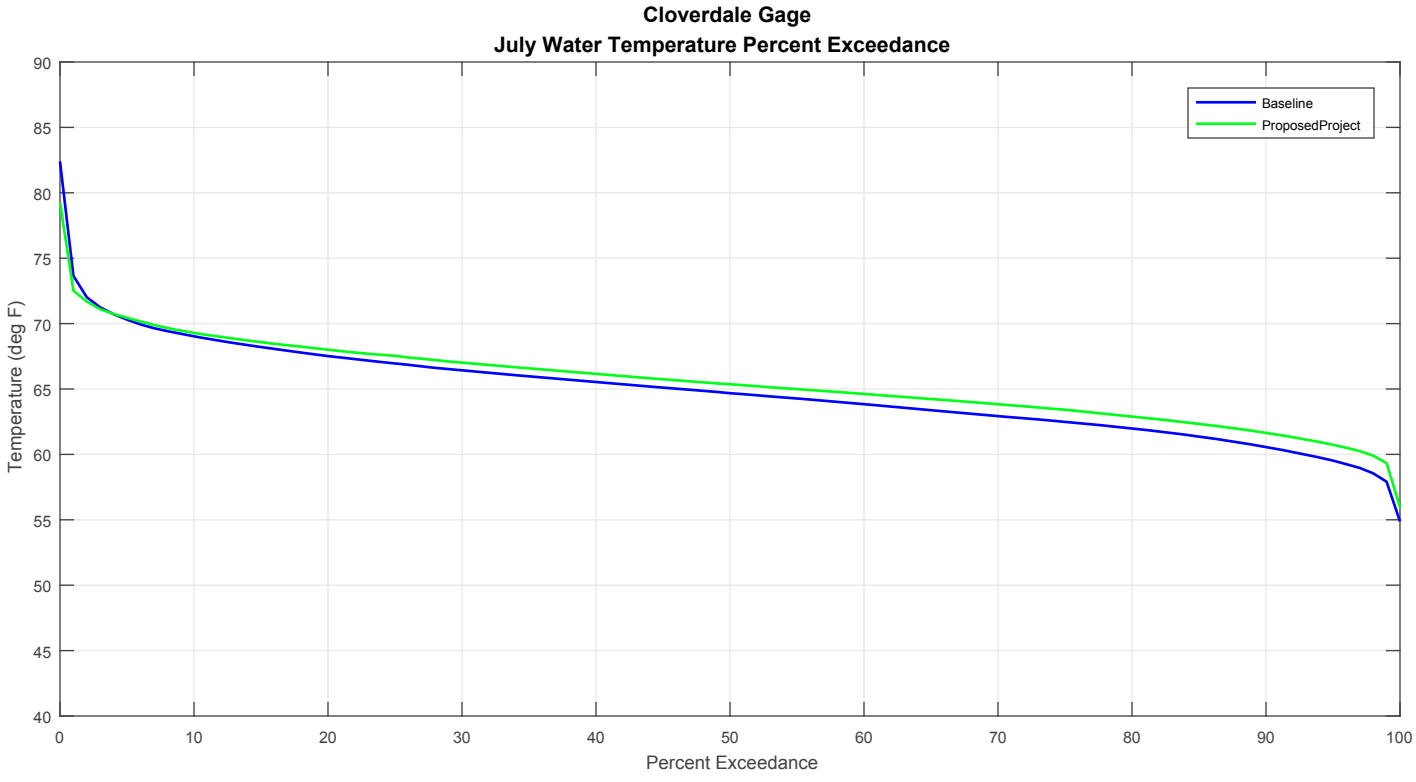
Cloverdale Gage
July Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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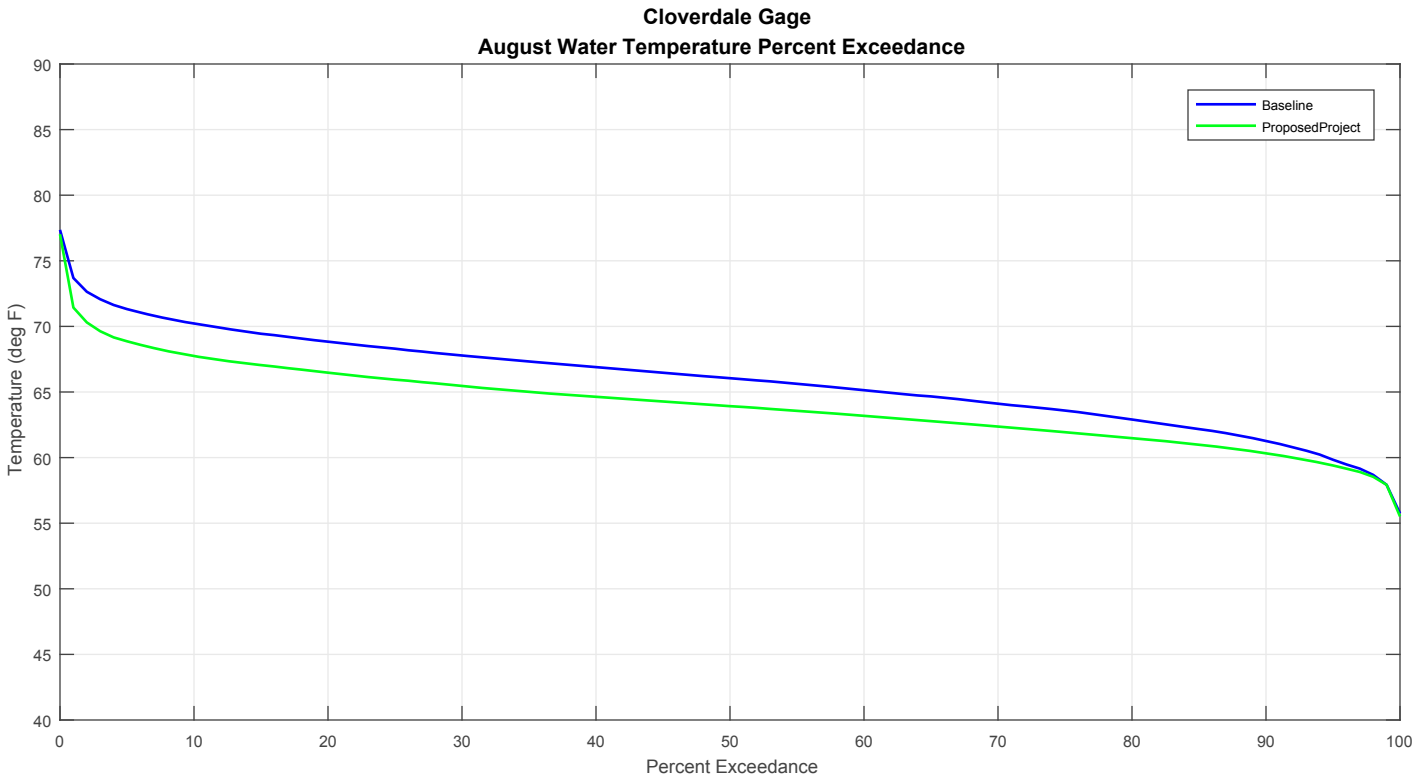
Cloverdale Gage
August Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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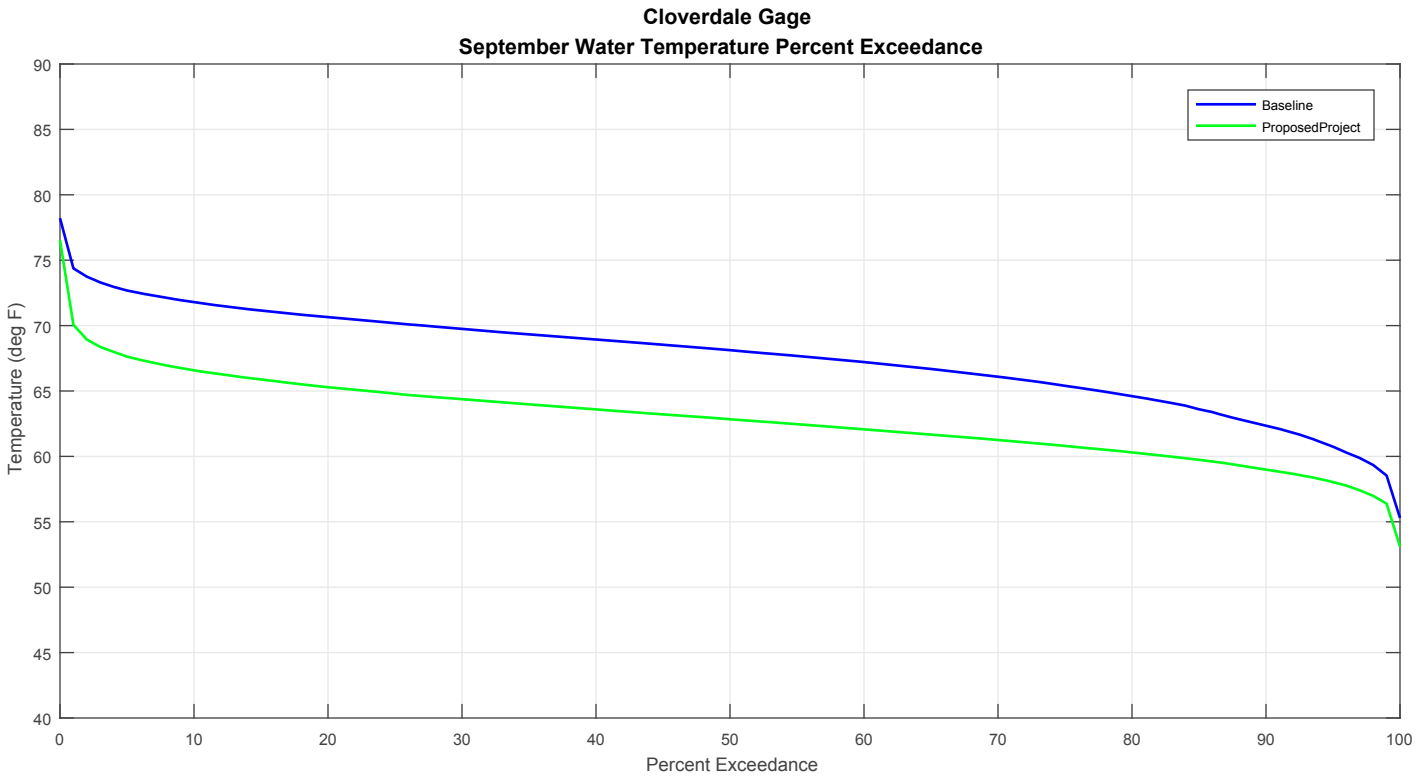
Cloverdale Gage
September Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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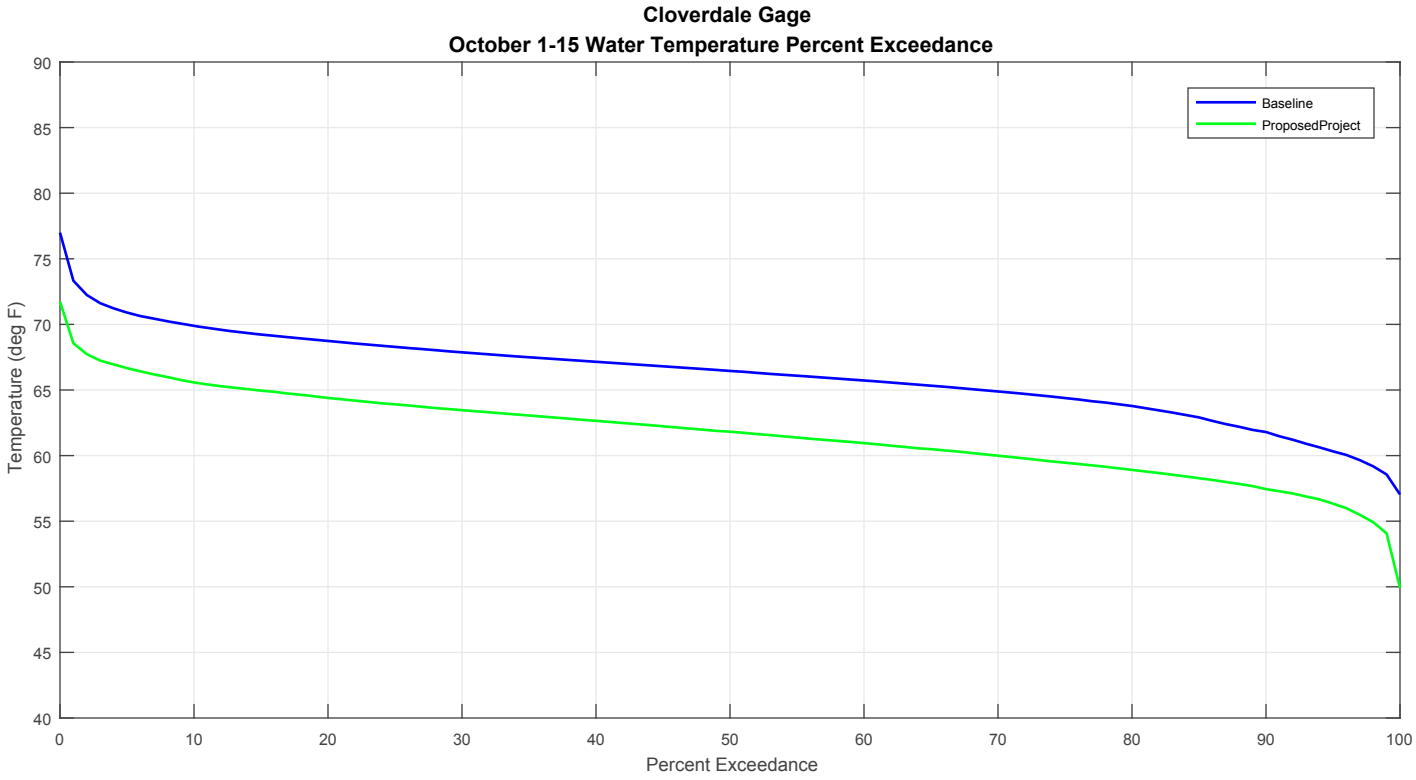
Cloverdale Gage
October 1-15 Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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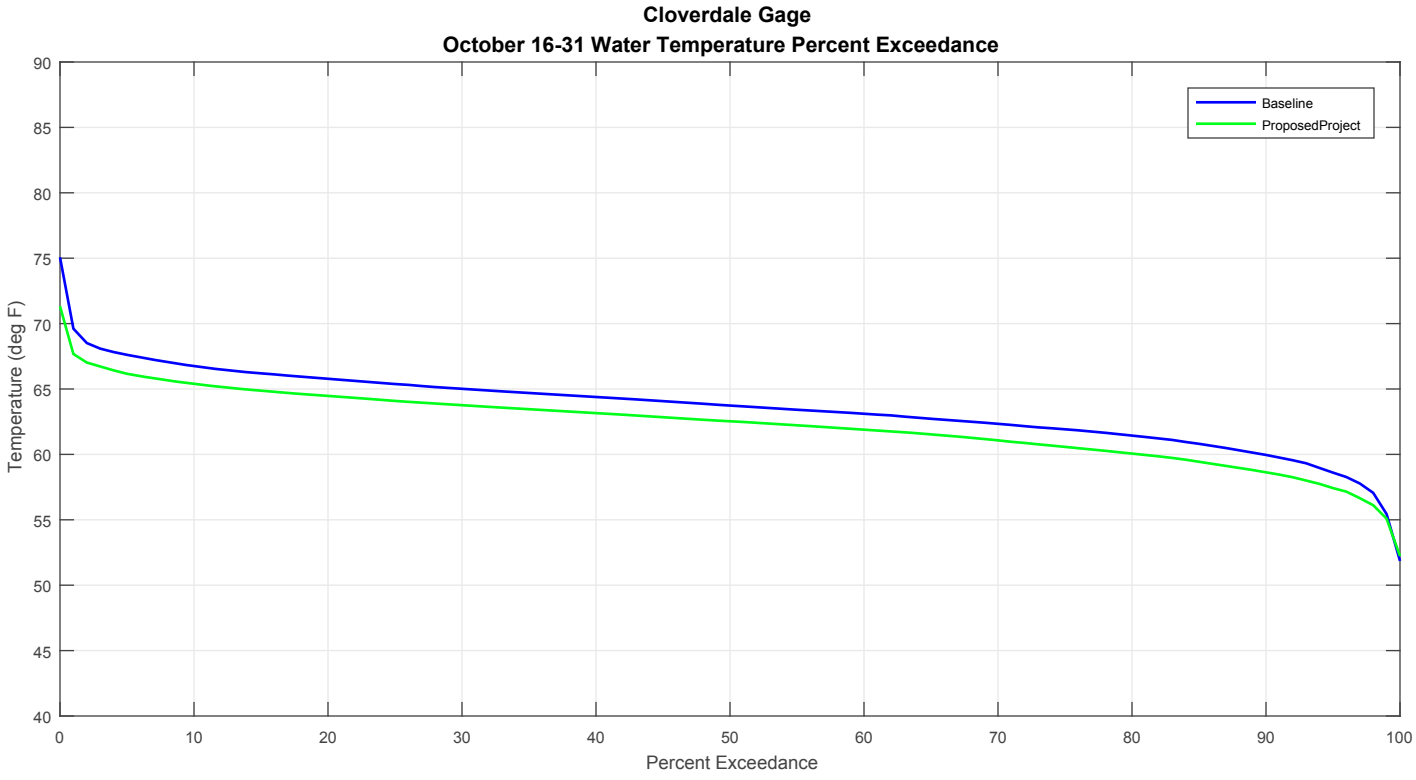
Cloverdale Gage
October 16-31 Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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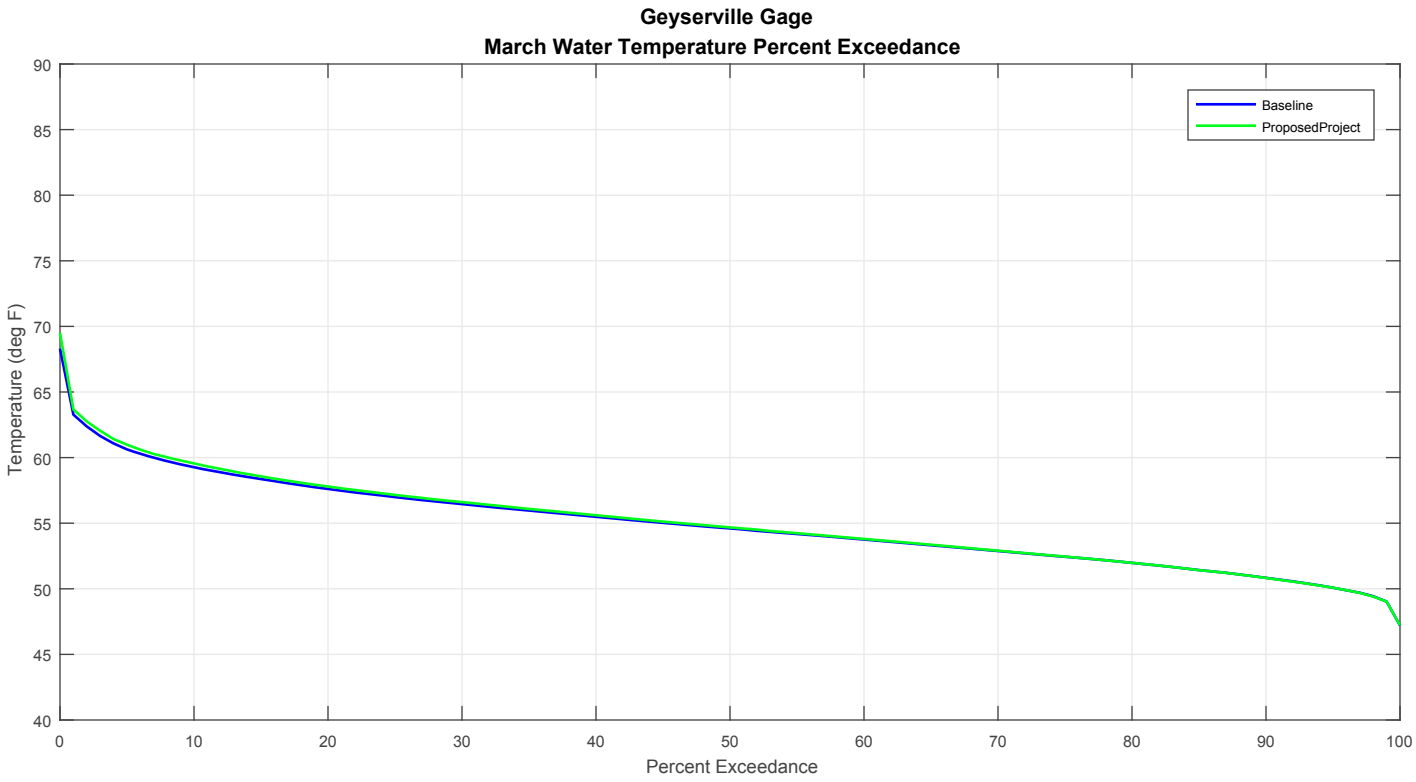
Geyserville Gage
March Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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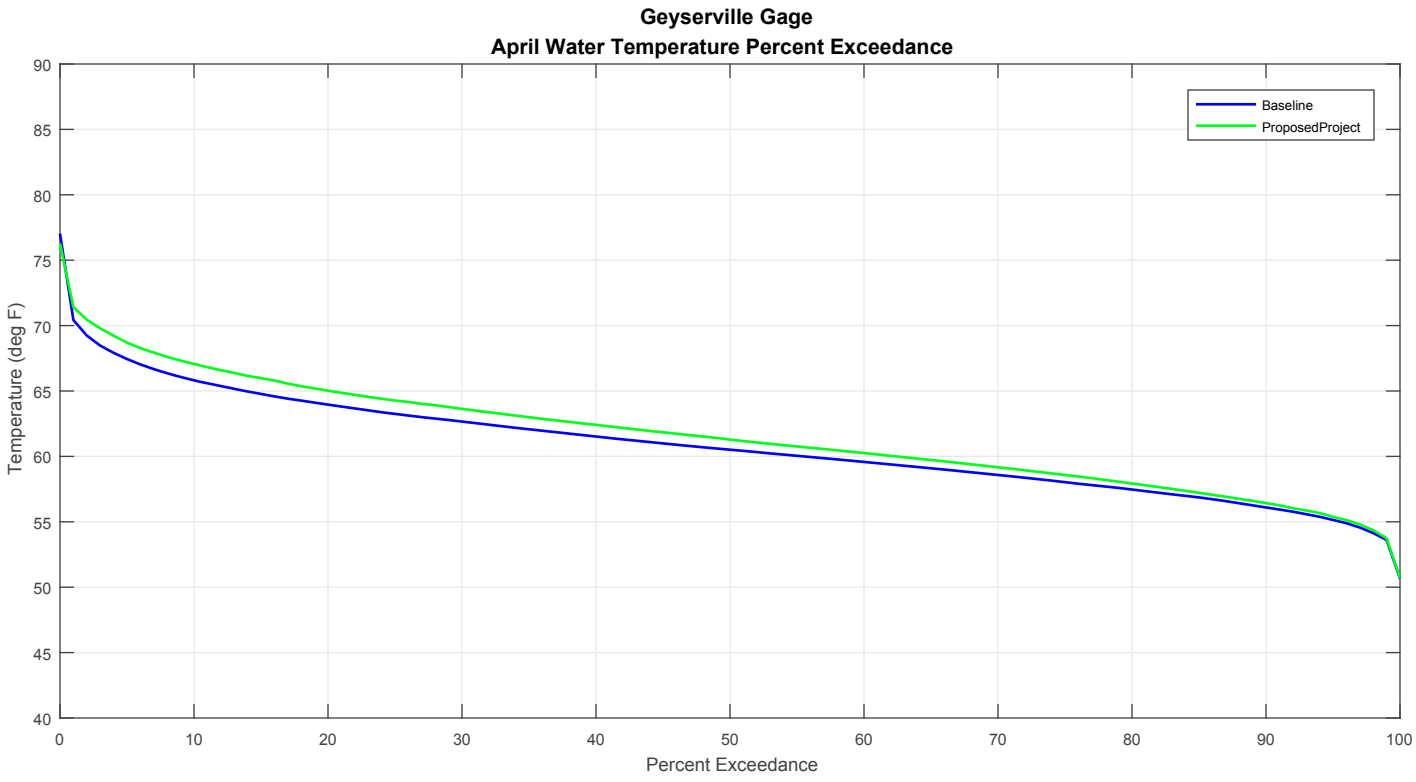
Geyserville Gage
April Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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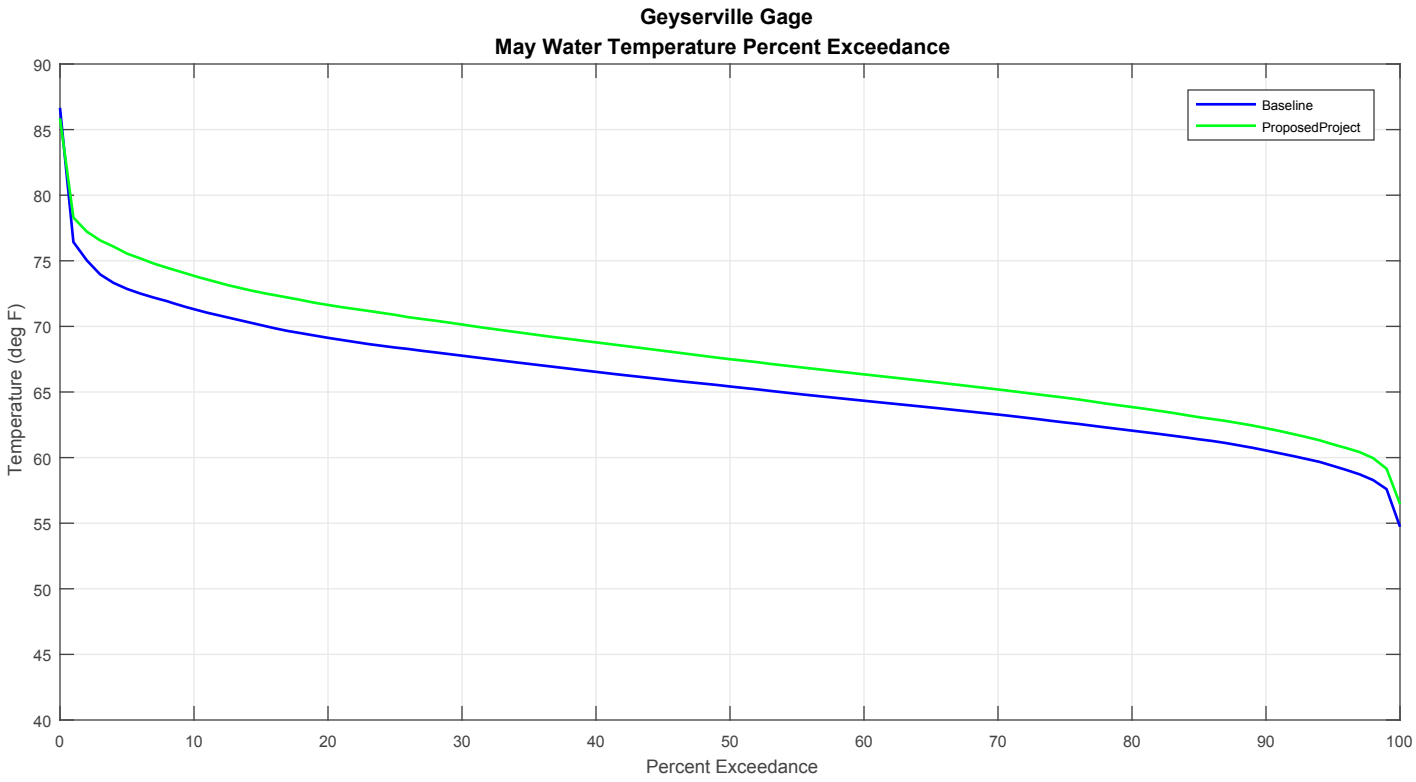
Geyserville Gage
May Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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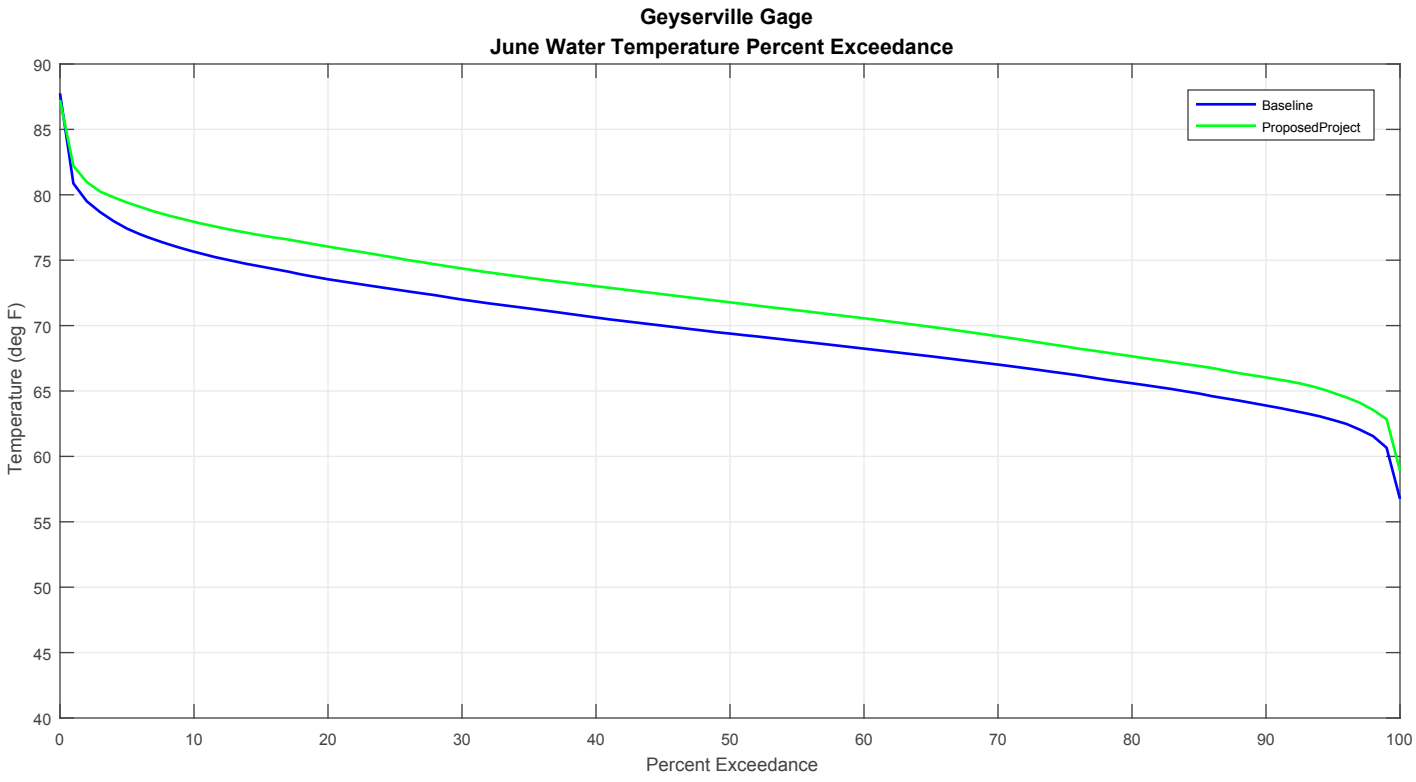
Geyserville Gage
June Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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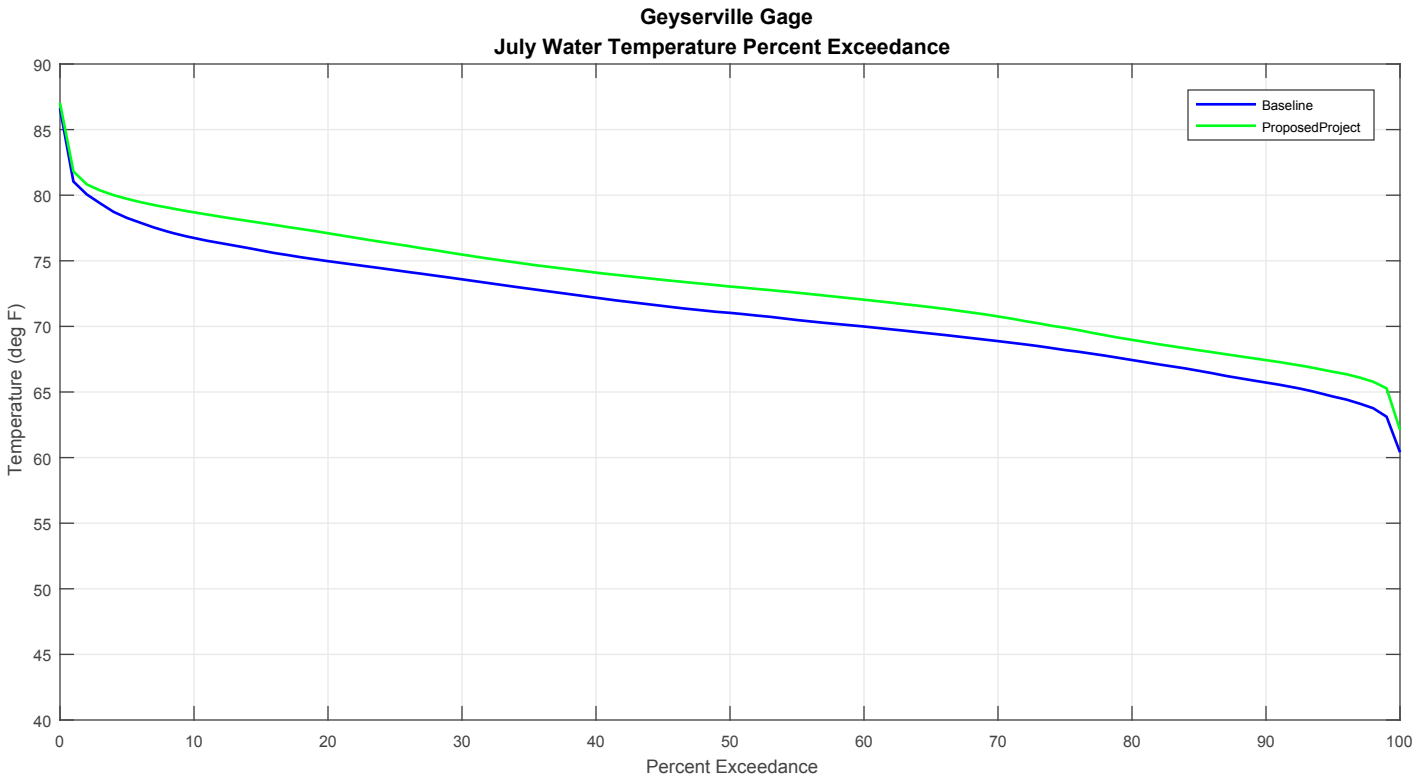
Geyserville Gage
July Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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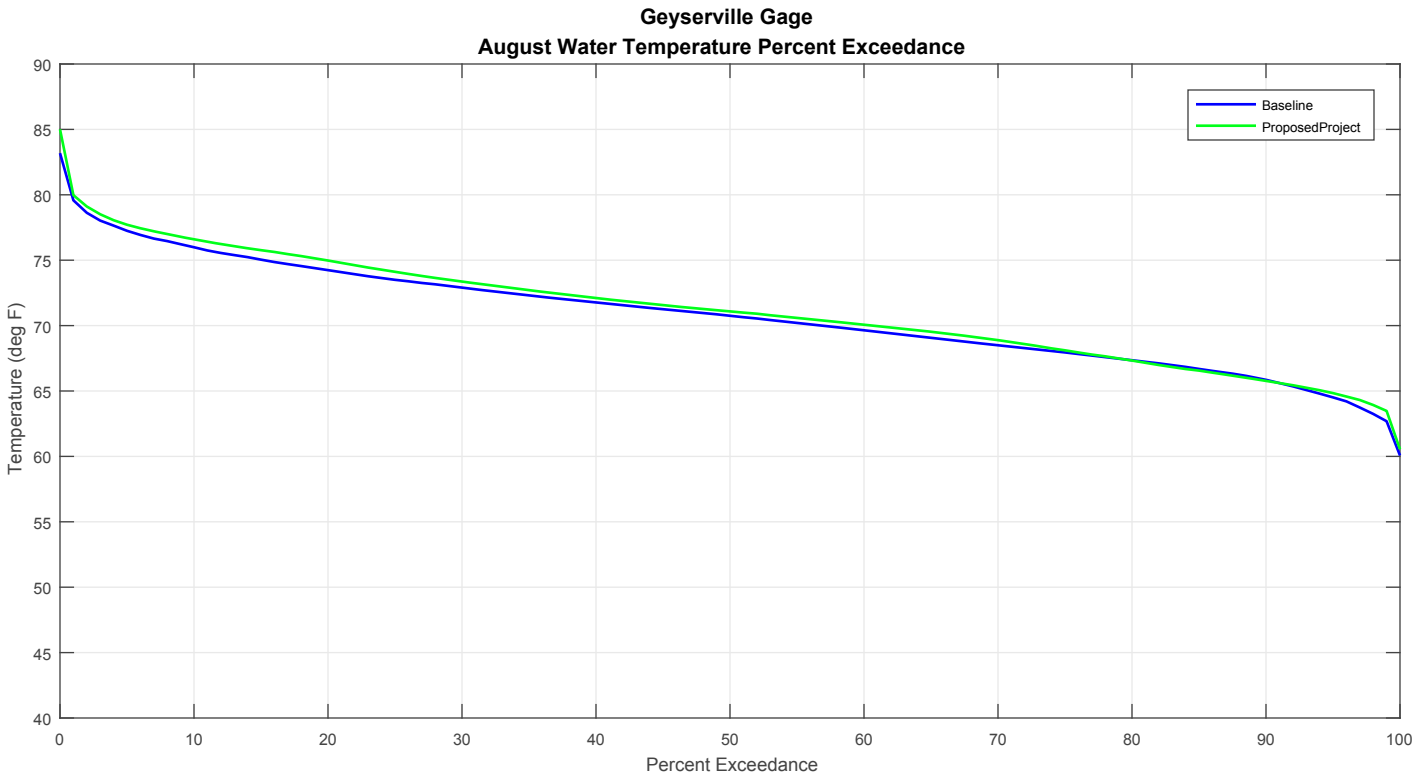
Geyserville Gage
August Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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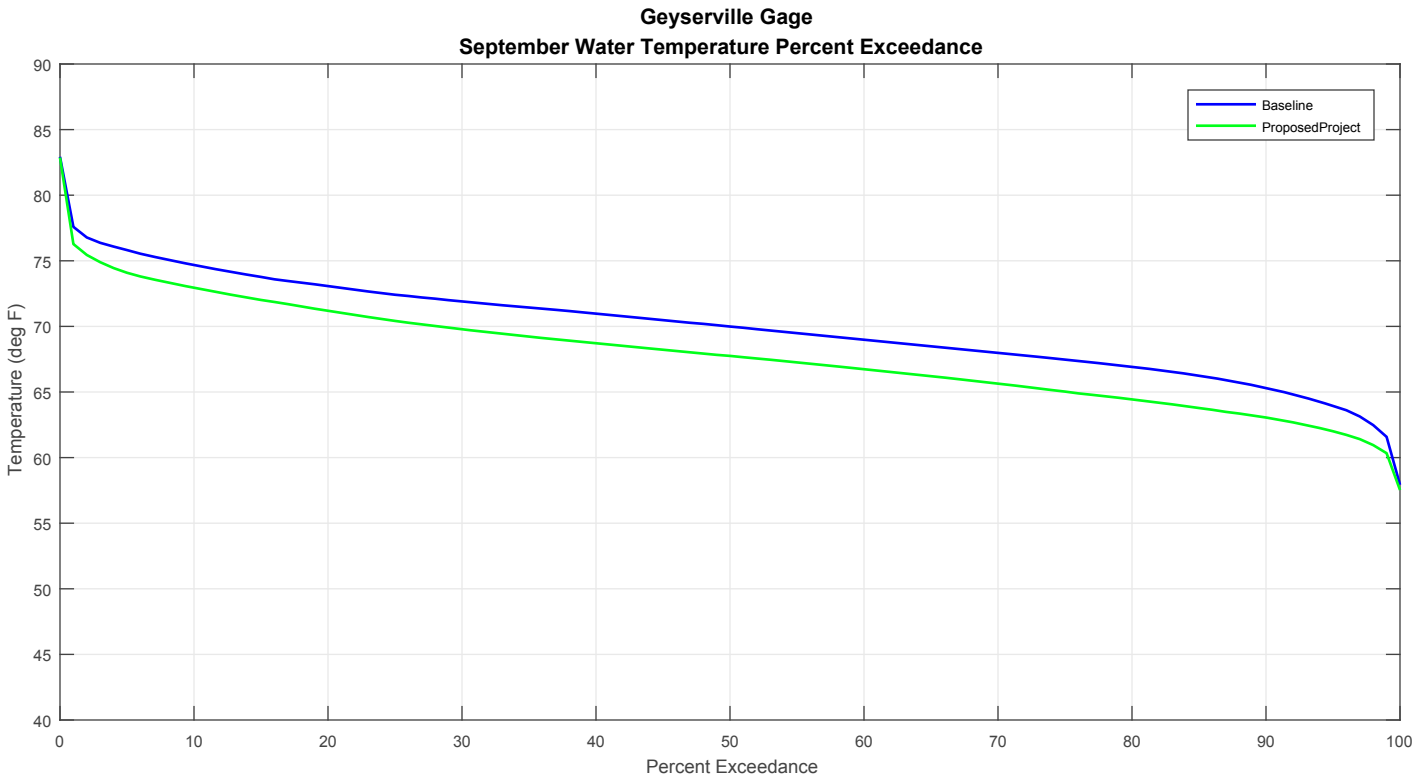
Geyserville Gage
September Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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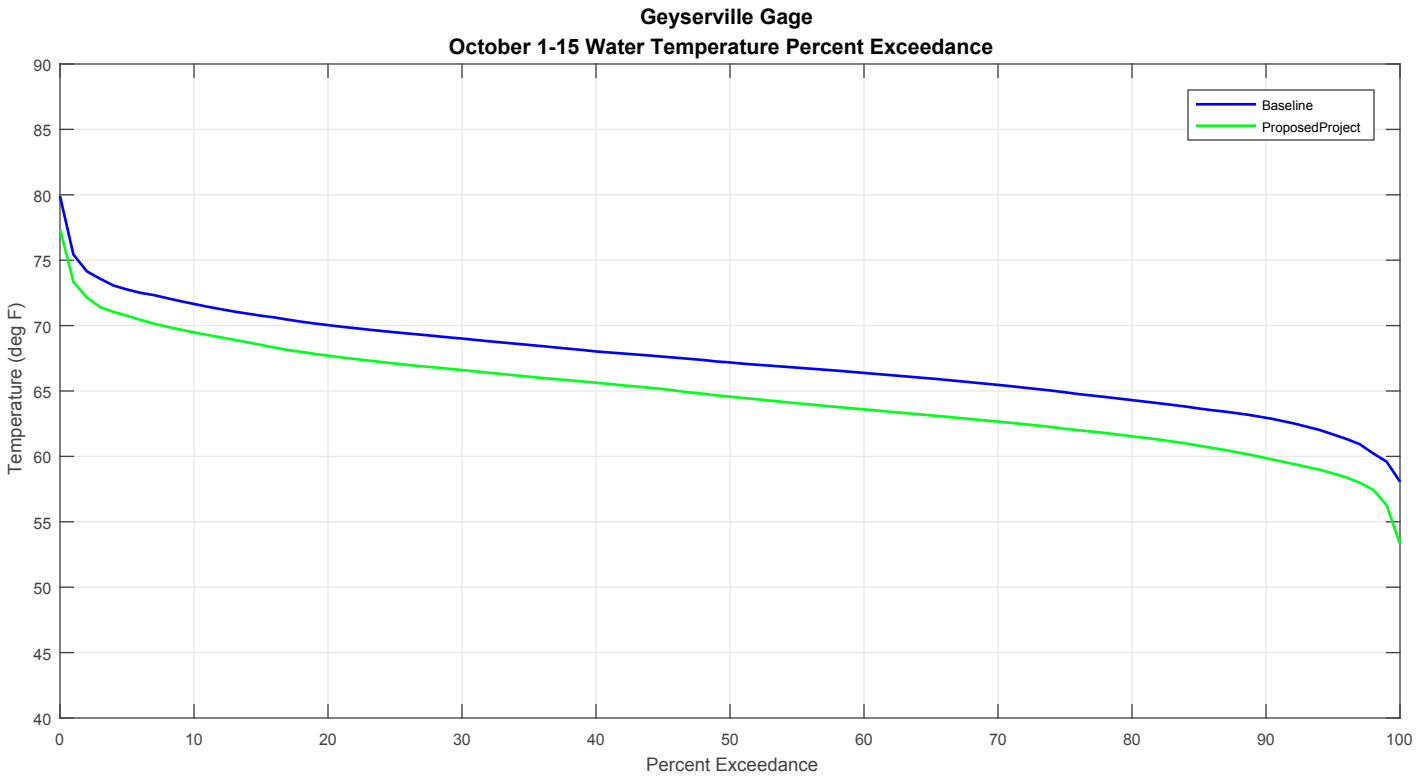
Geyserville Gage
October 1-15 Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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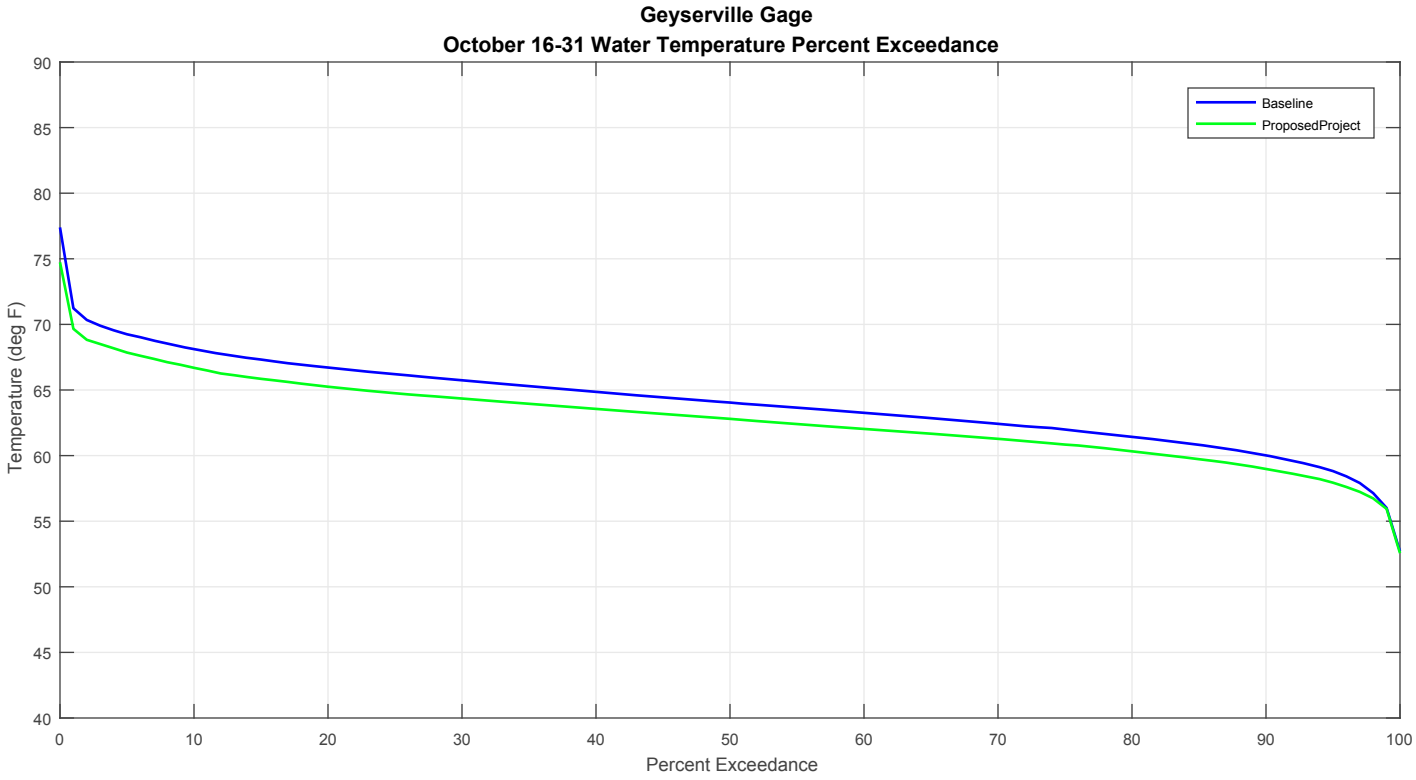
Geyserville Gage
October 16-31 Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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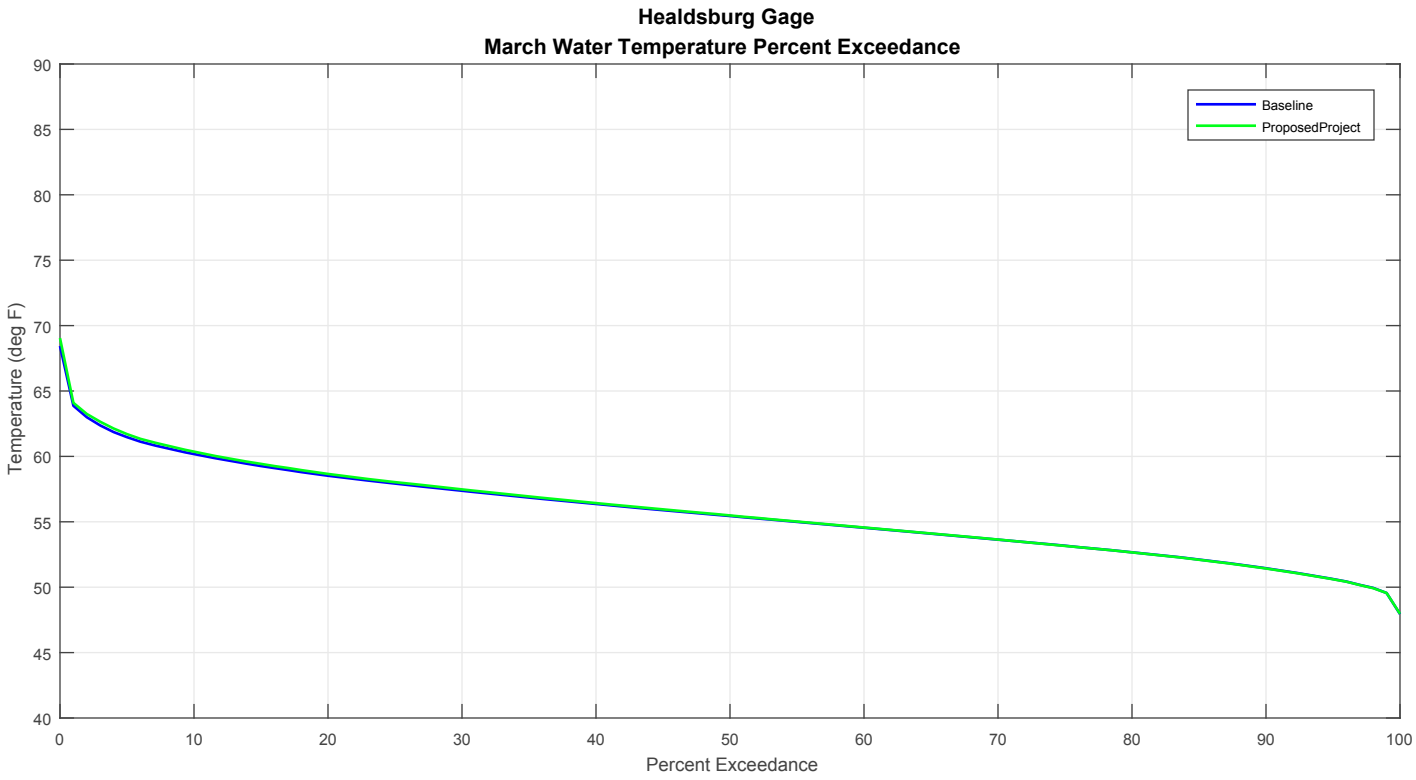
Healdsburg Gage
March Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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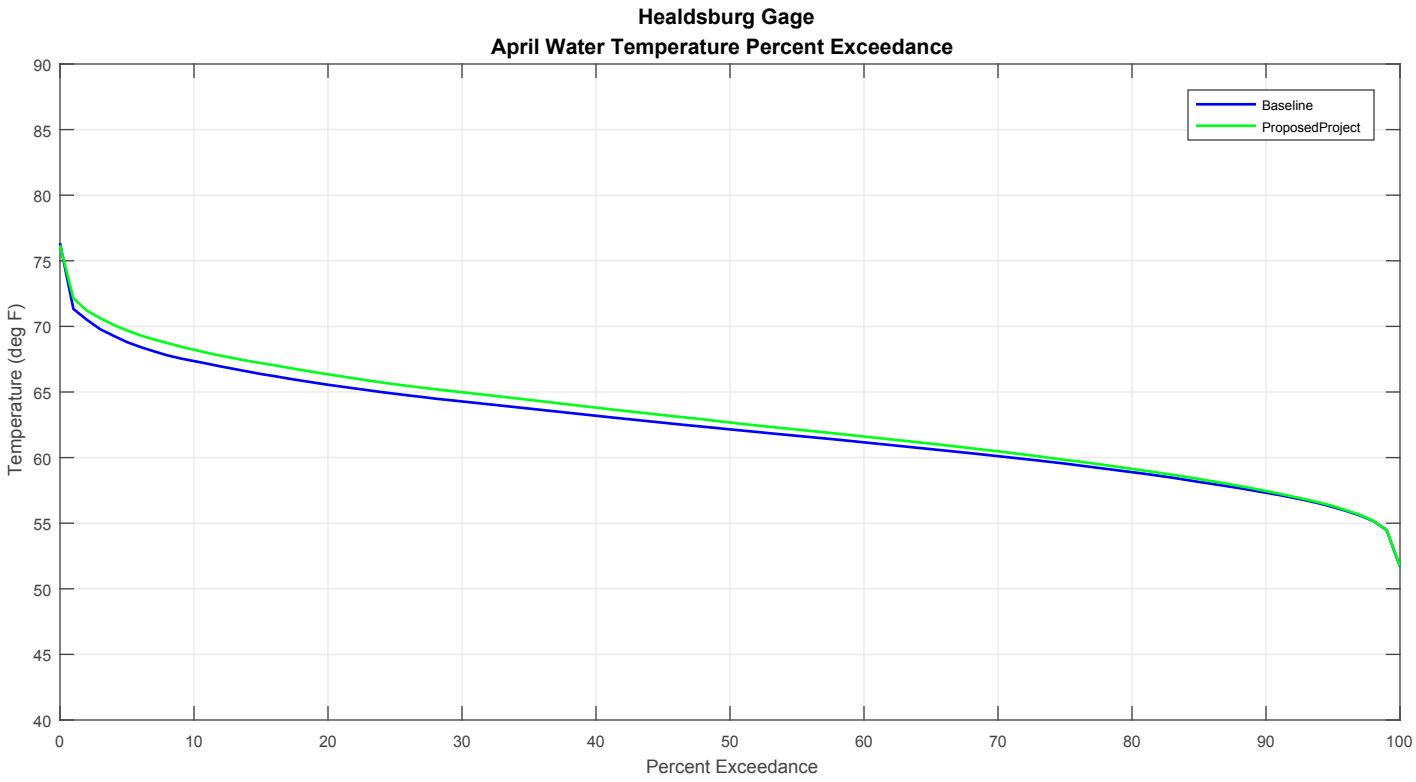
Healdsburg Gage
April Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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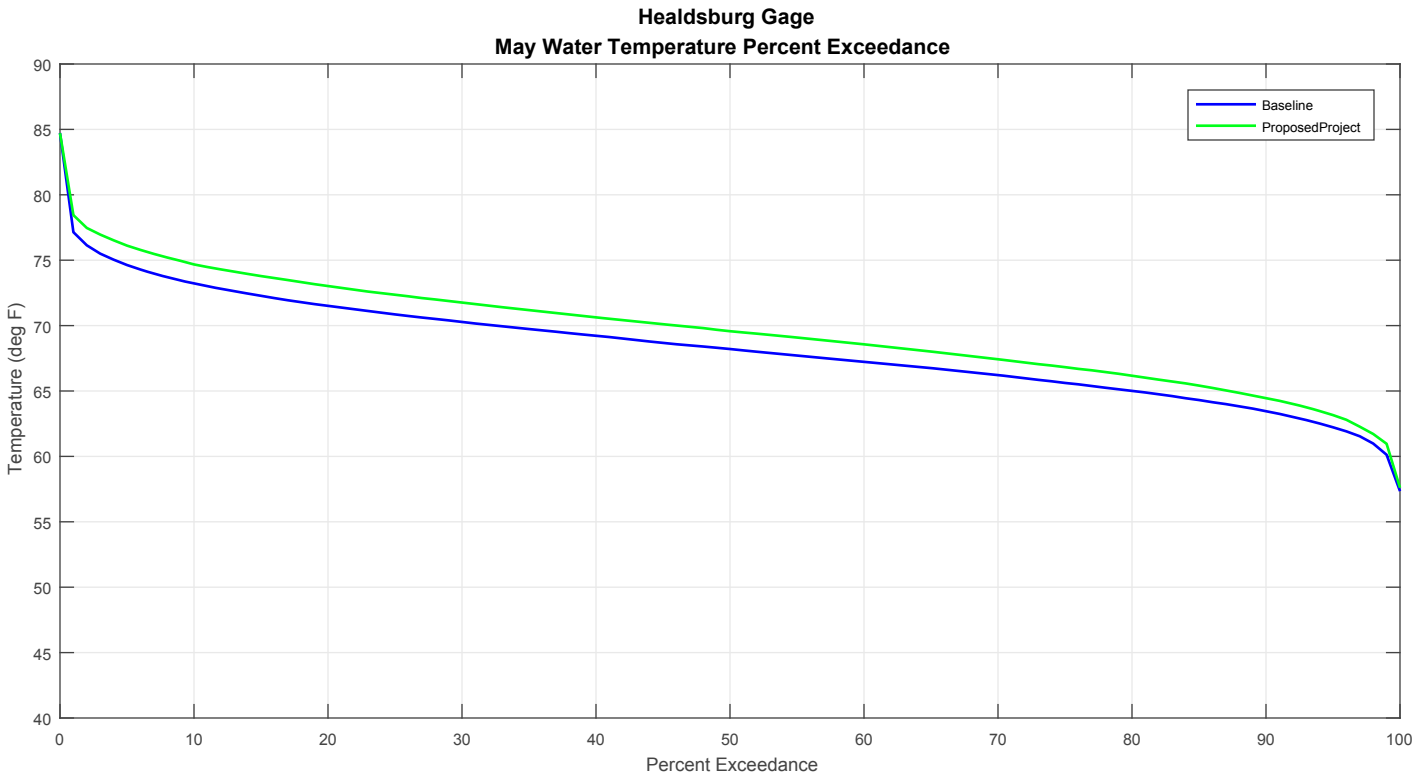
Healdsburg Gage
May Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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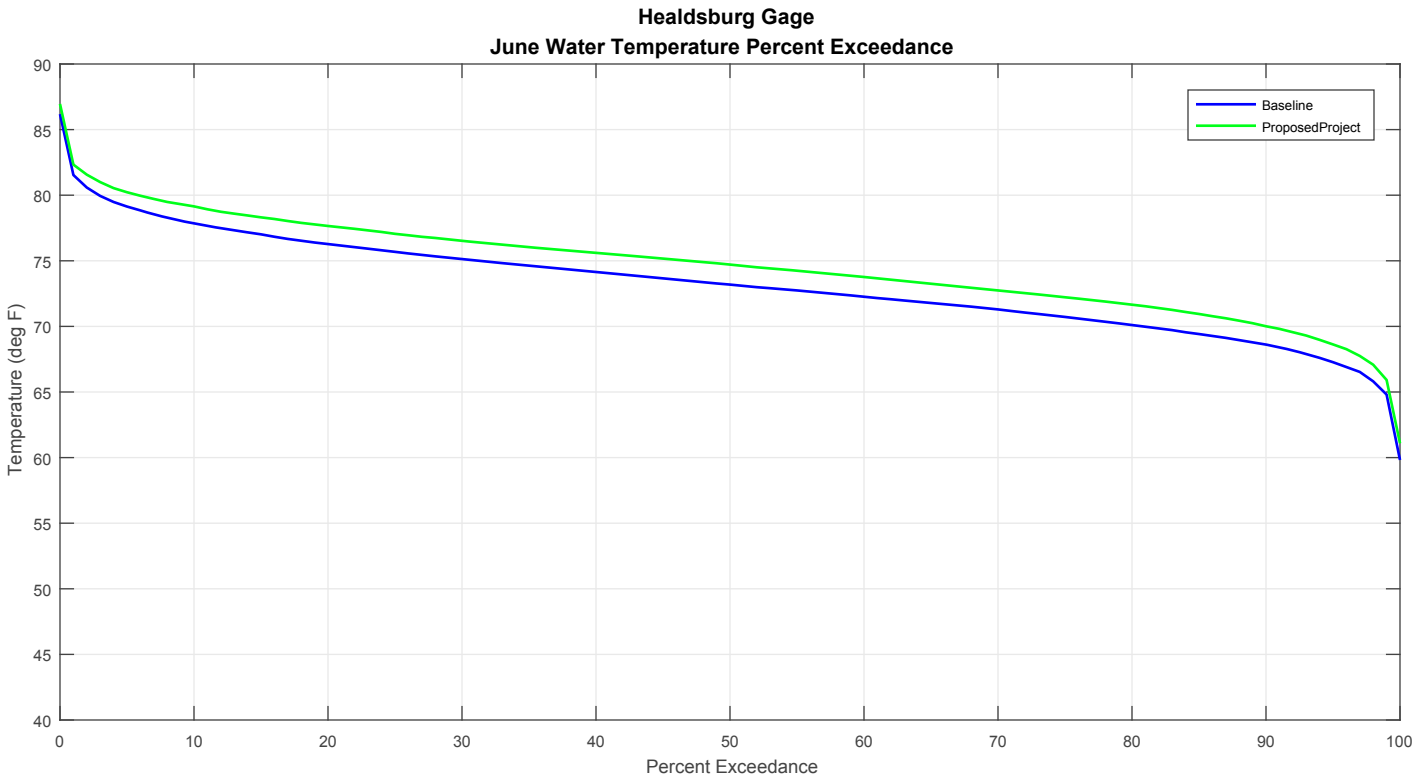
Healdsburg Gage
June Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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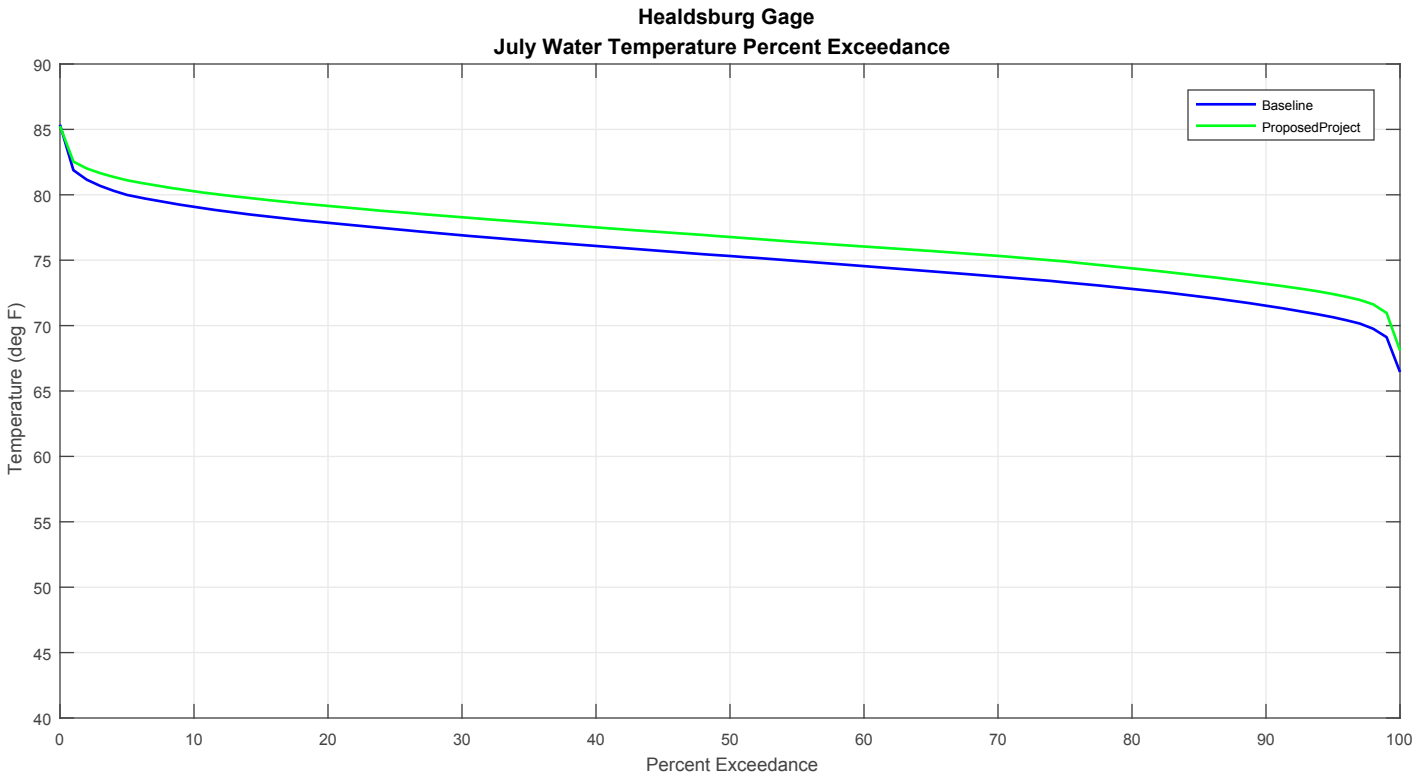
Healdsburg Gage
July Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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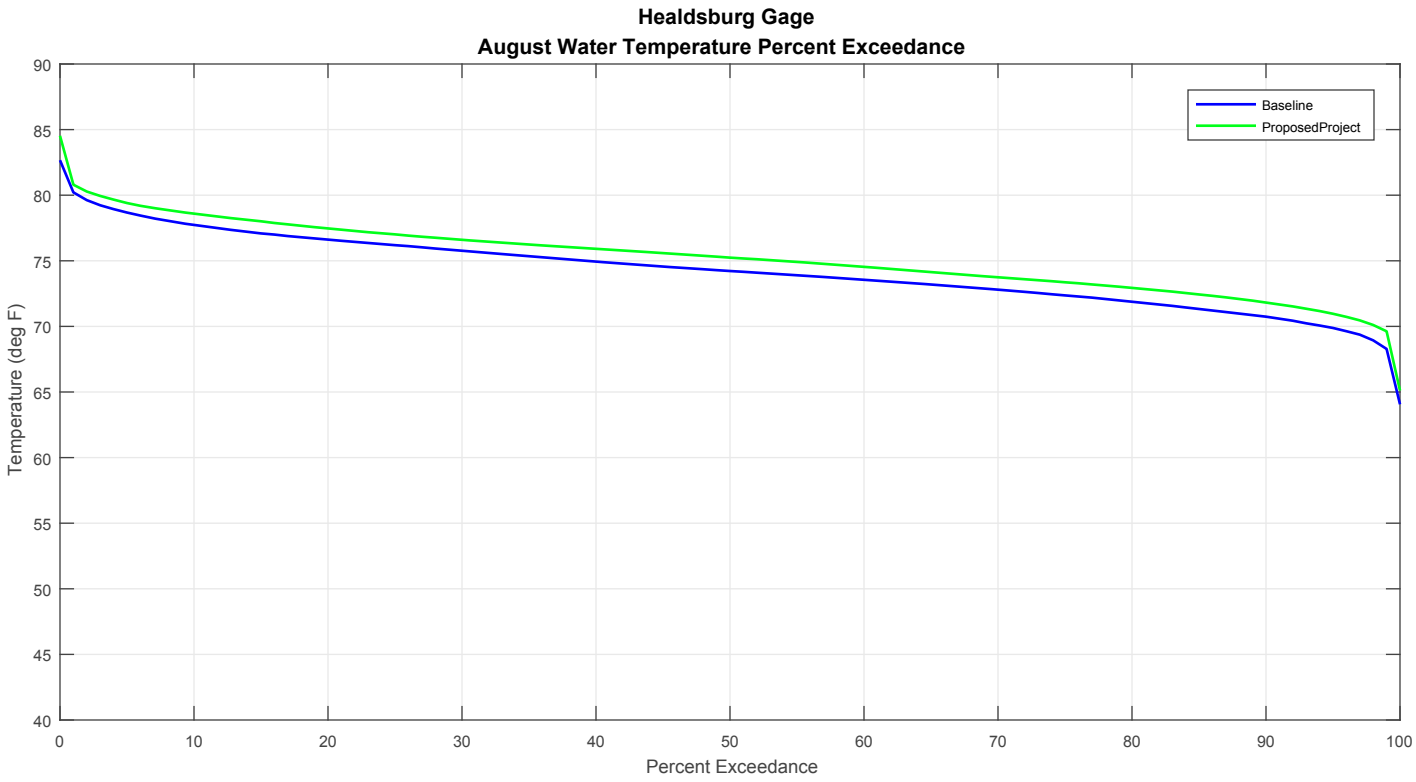
Healdsburg Gage
August Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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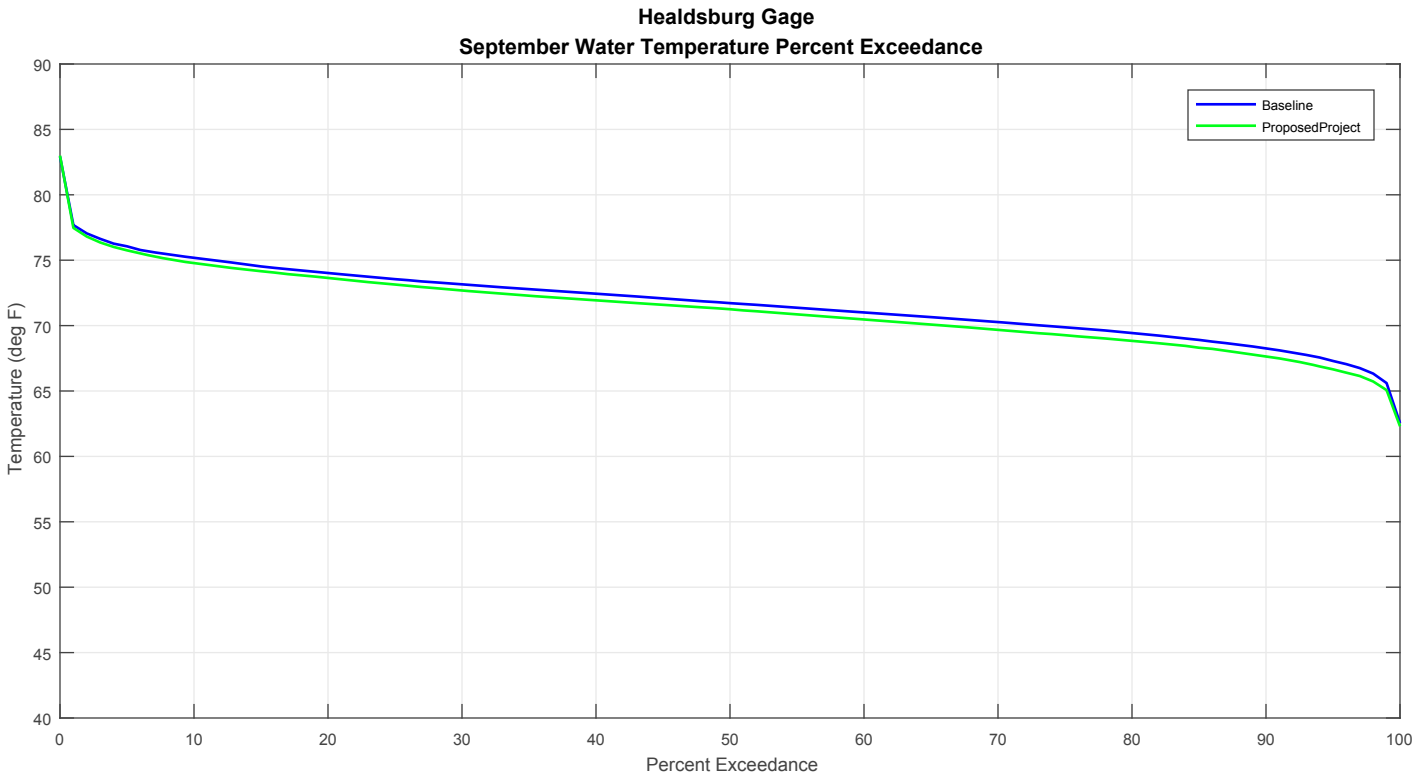
Healdsburg Gage
September Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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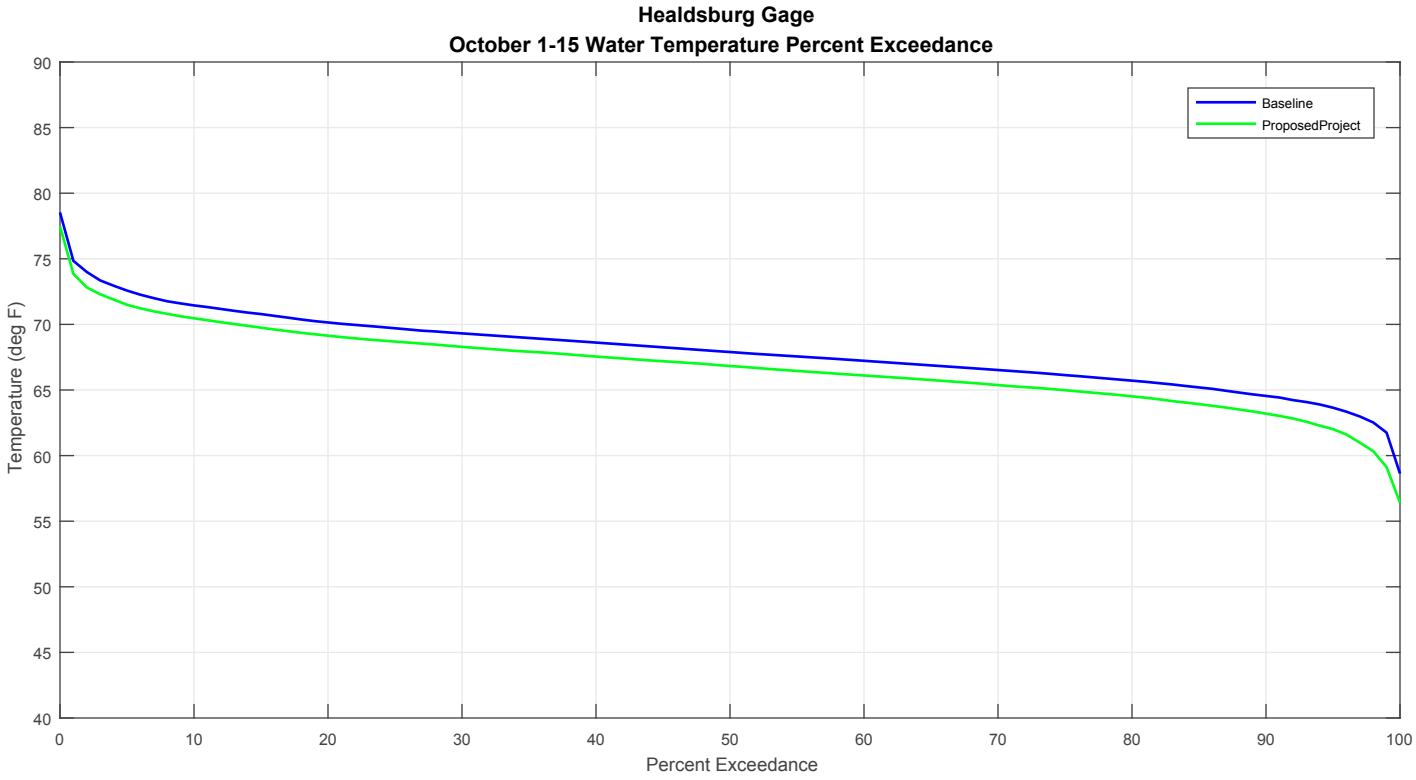
Healdsburg Gage
October 1-15 Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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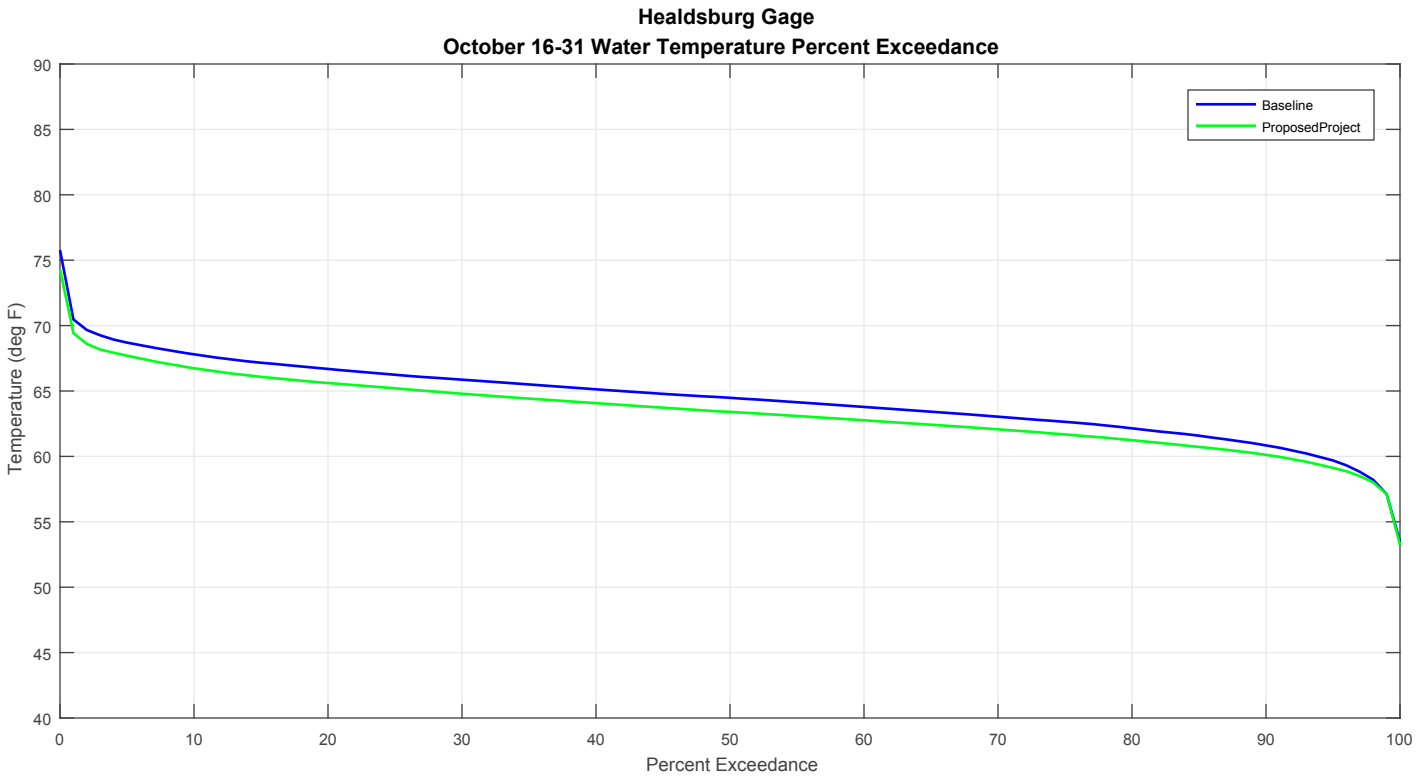
Healdsburg Gage
October 16-31 Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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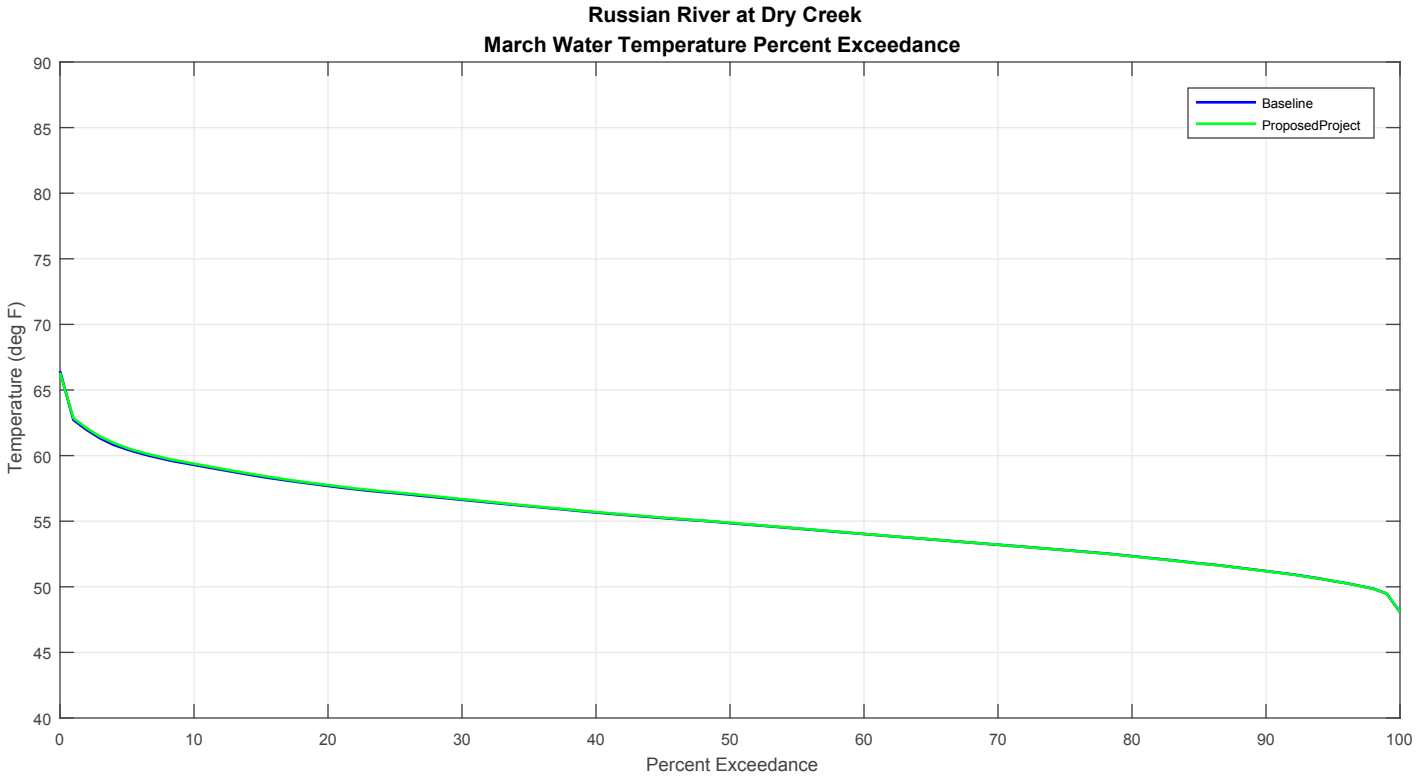
Russian River at Dry Creek
March Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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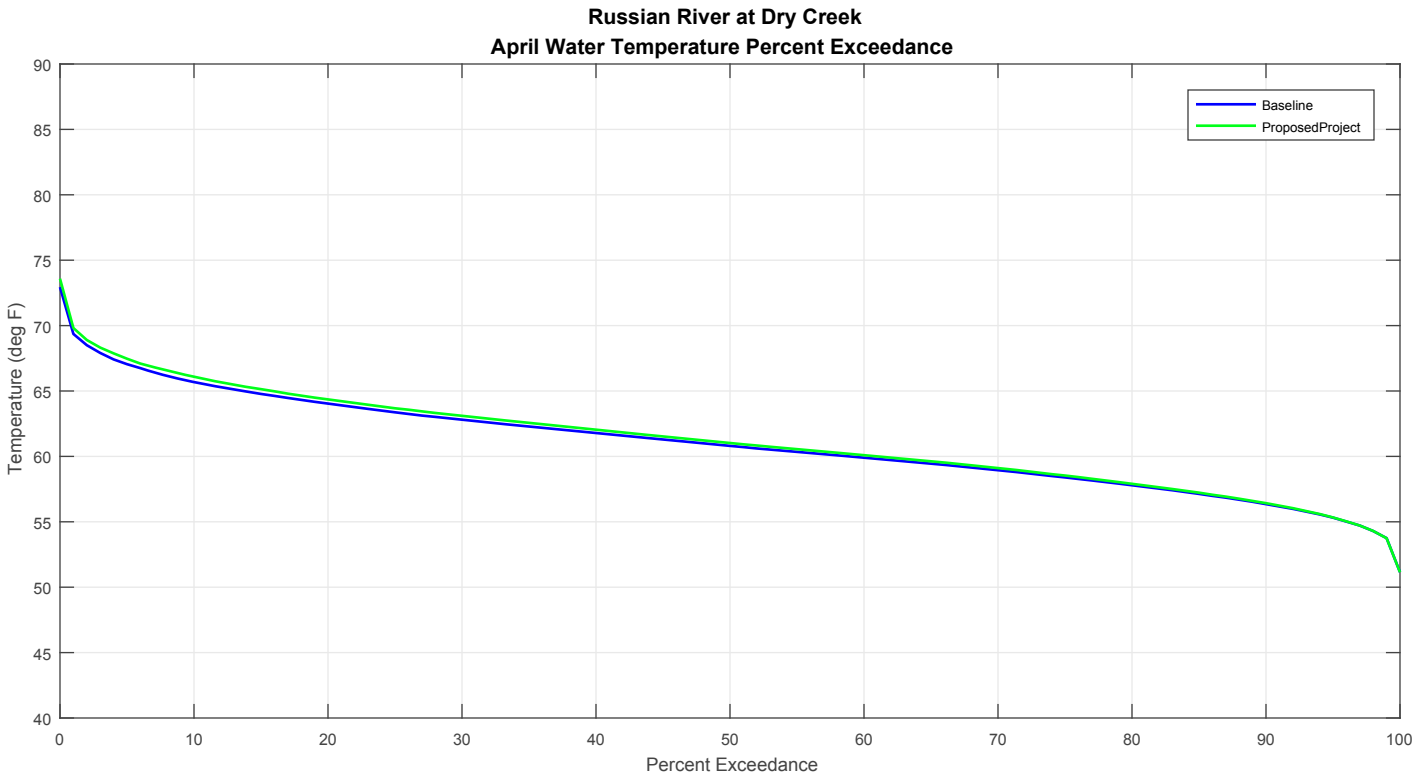
Russian River at Dry Creek
April Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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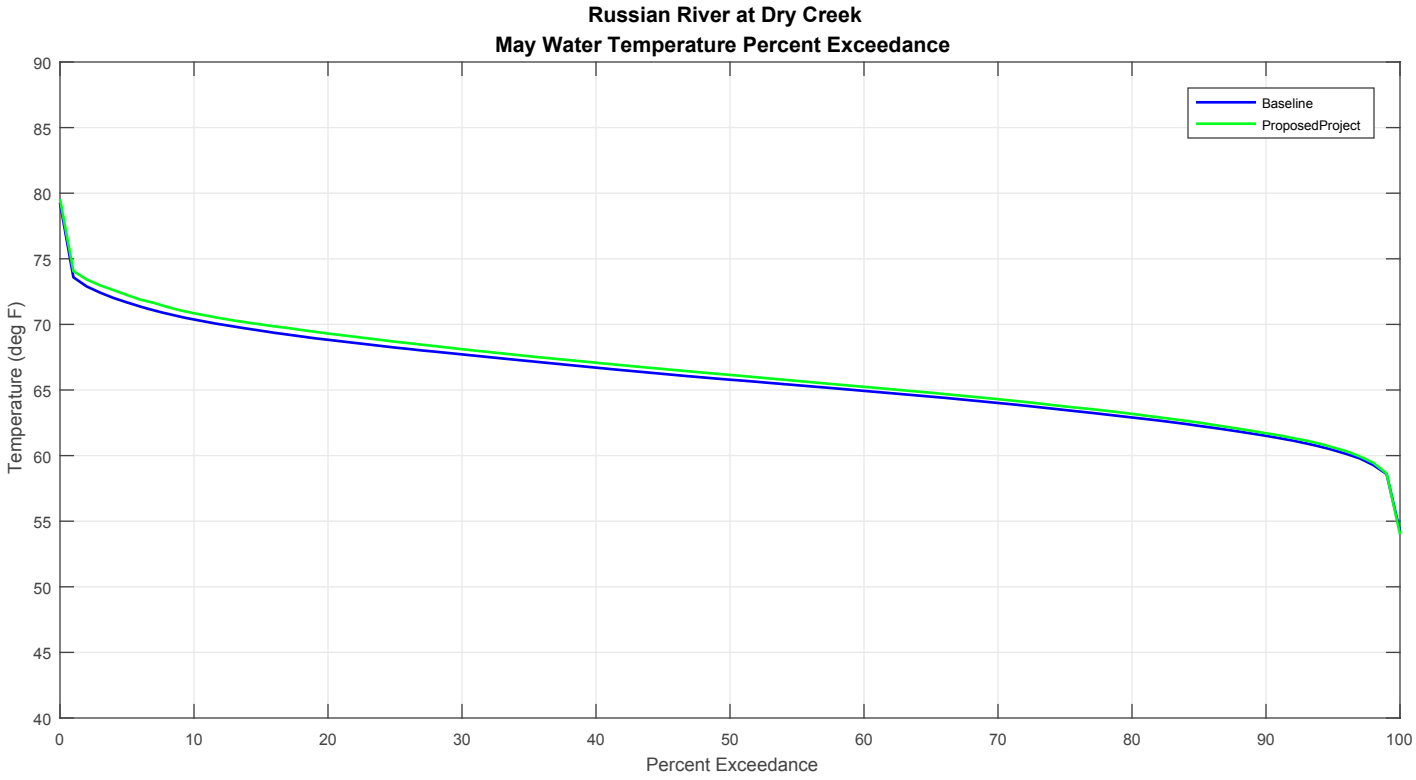
Russian River at Dry Creek
May Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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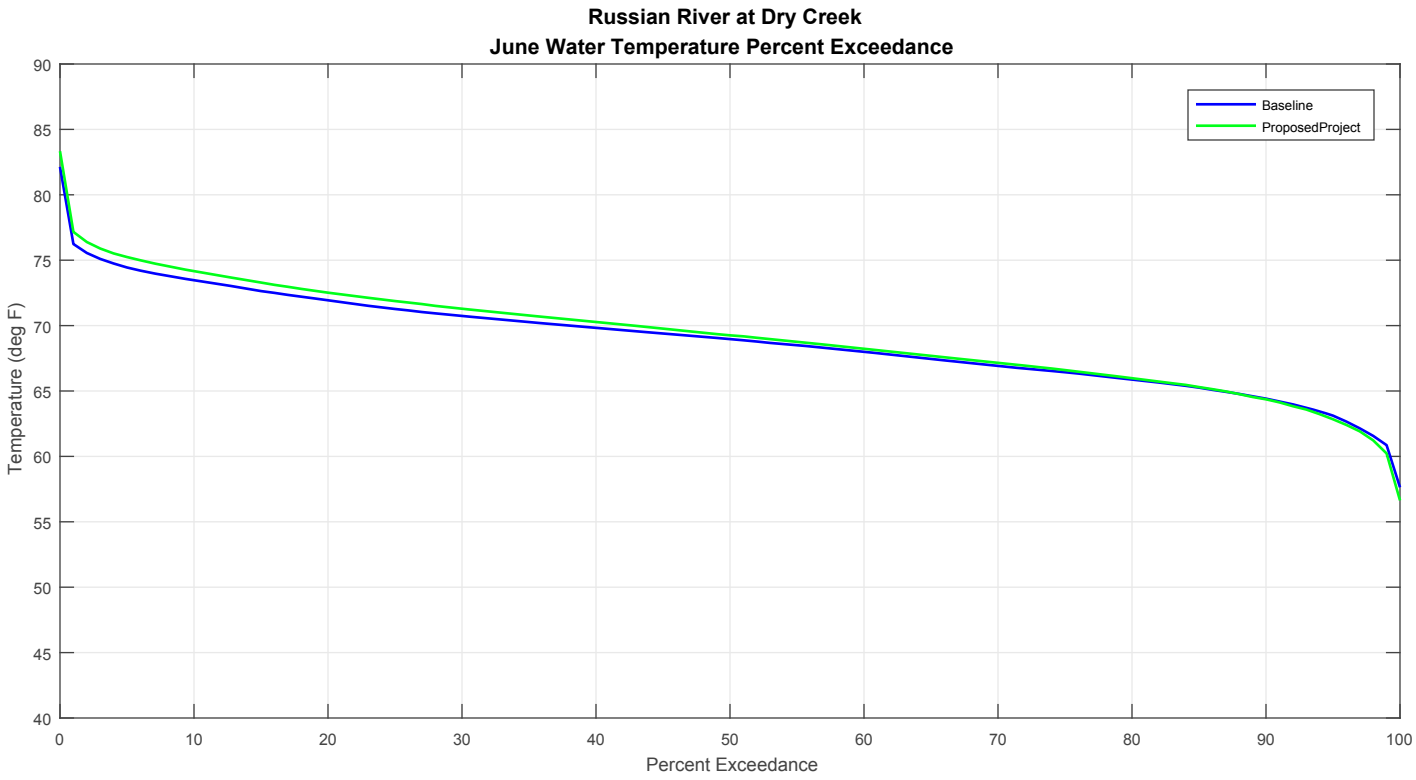
Russian River at Dry Creek
June Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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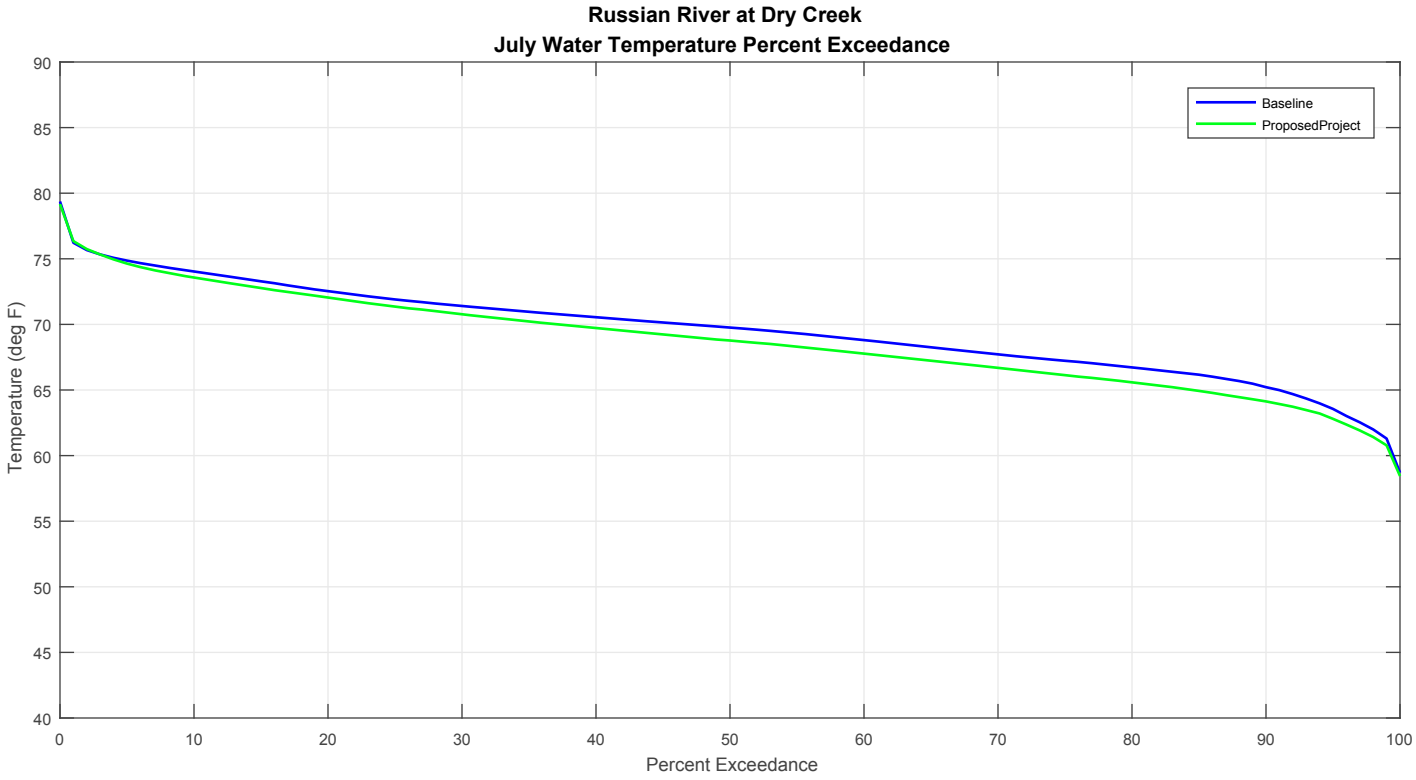
Russian River at Dry Creek
July Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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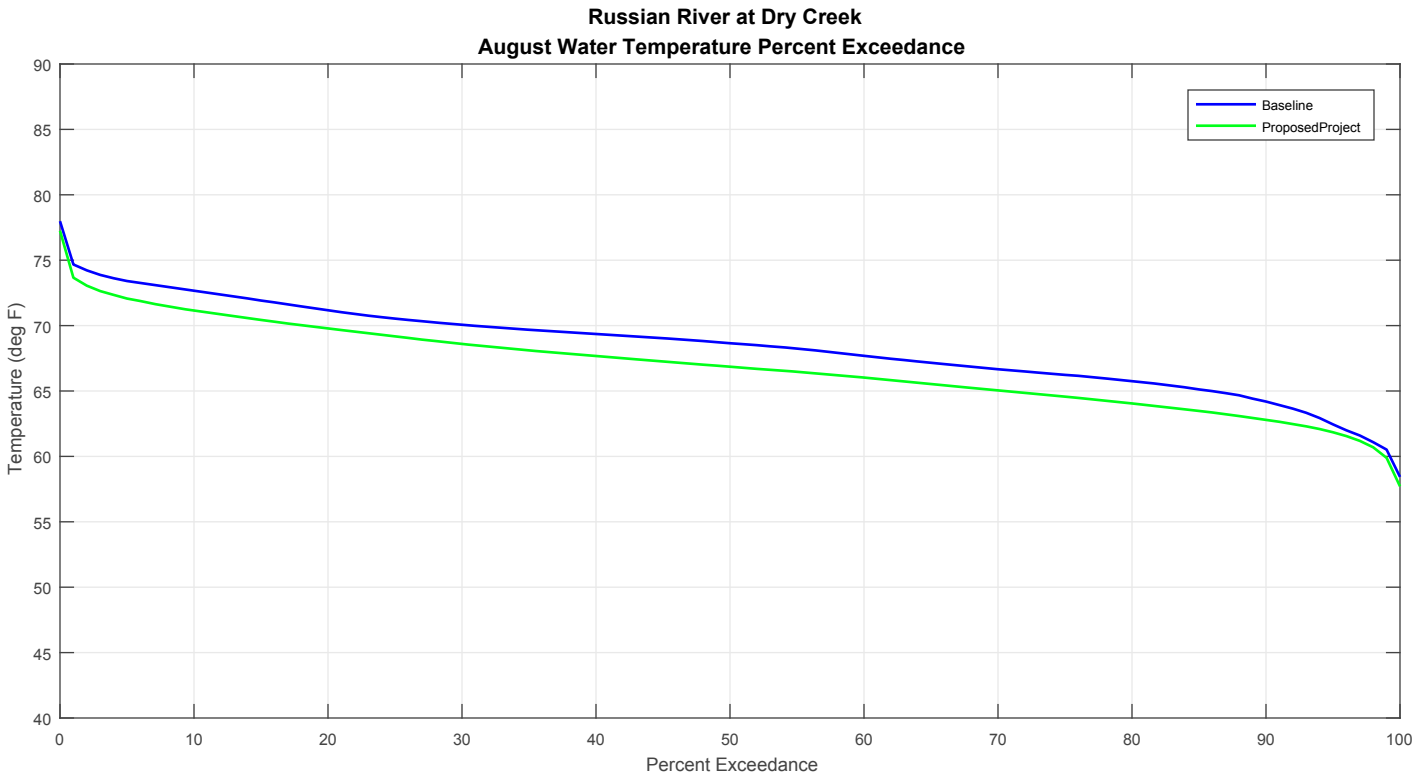
Russian River at Dry Creek
August Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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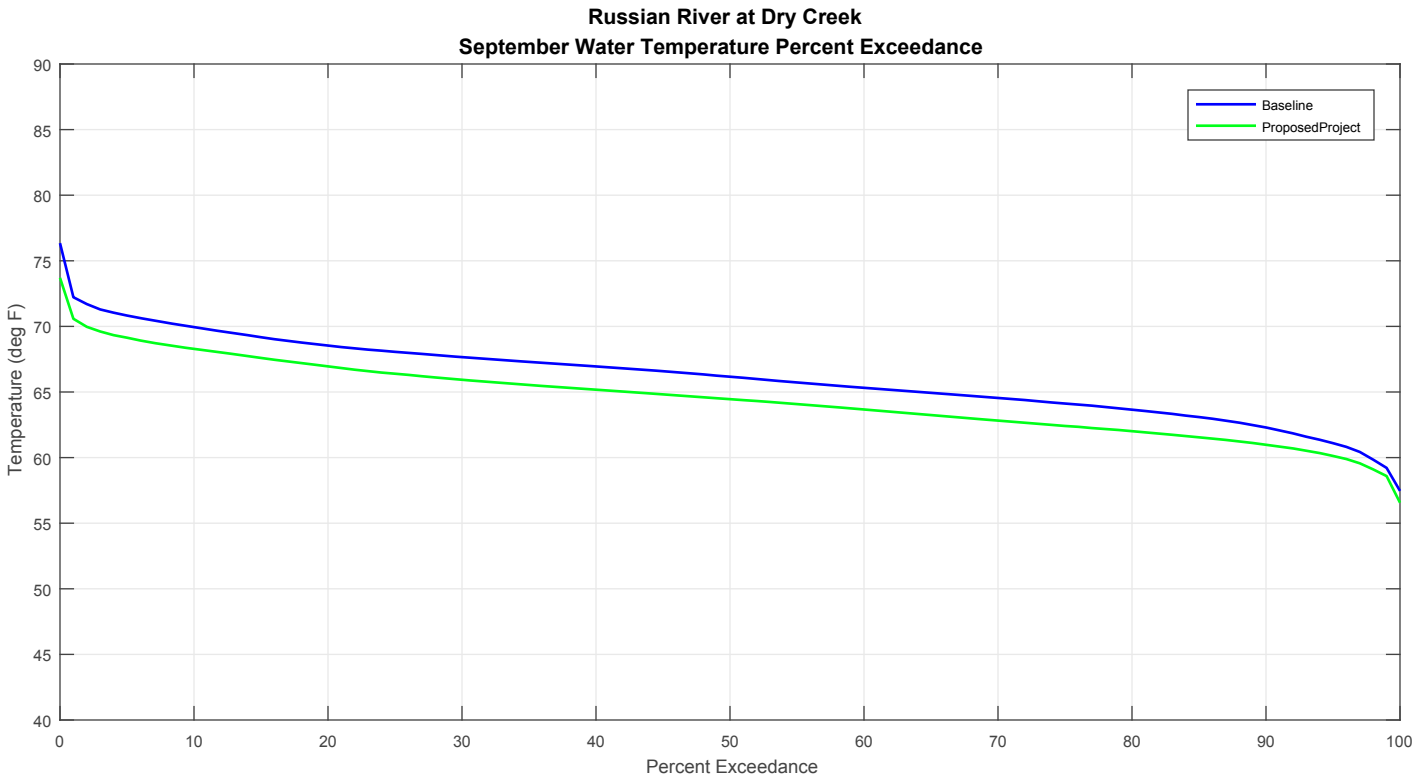
Russian River at Dry Creek
September Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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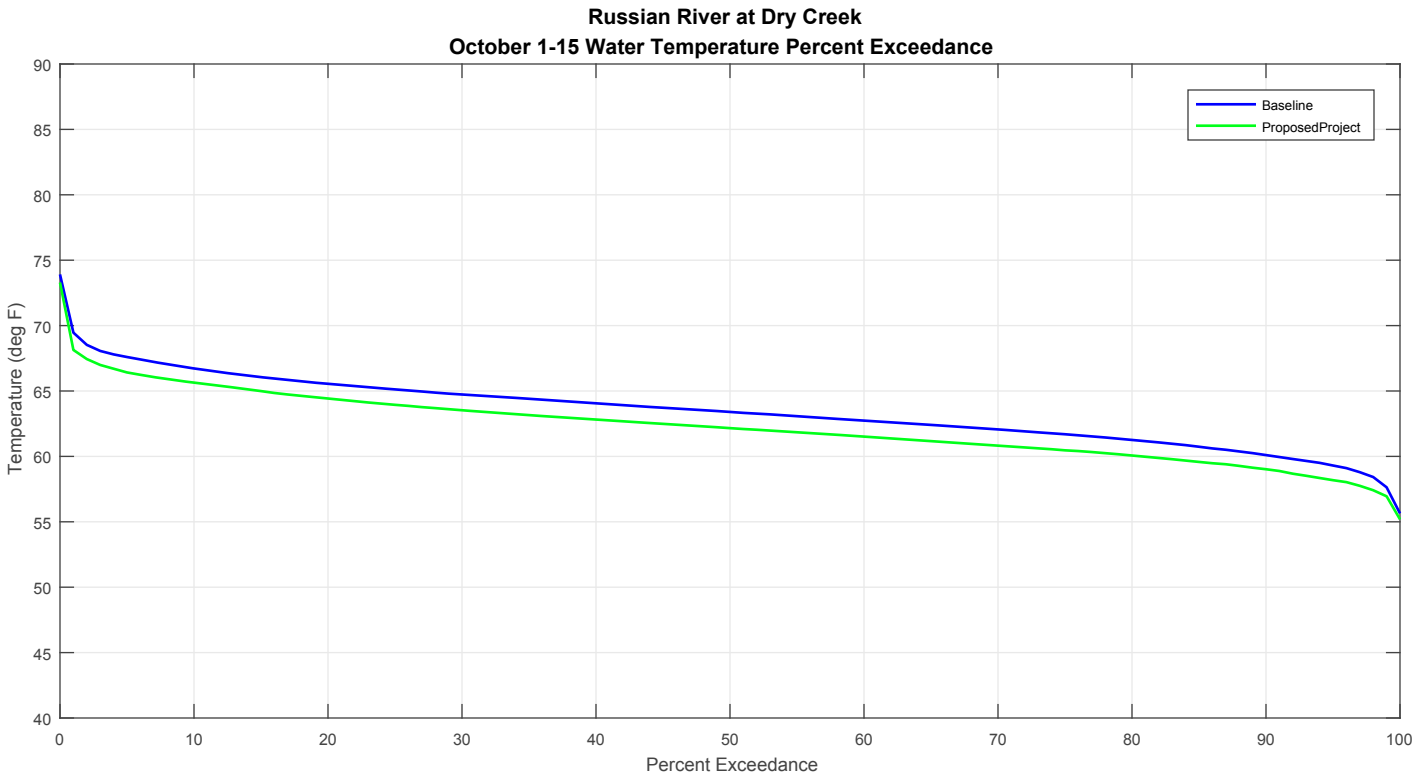
Russian River at Dry Creek
October 1-15 Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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Russian River at Dry Creek
October 16-31 Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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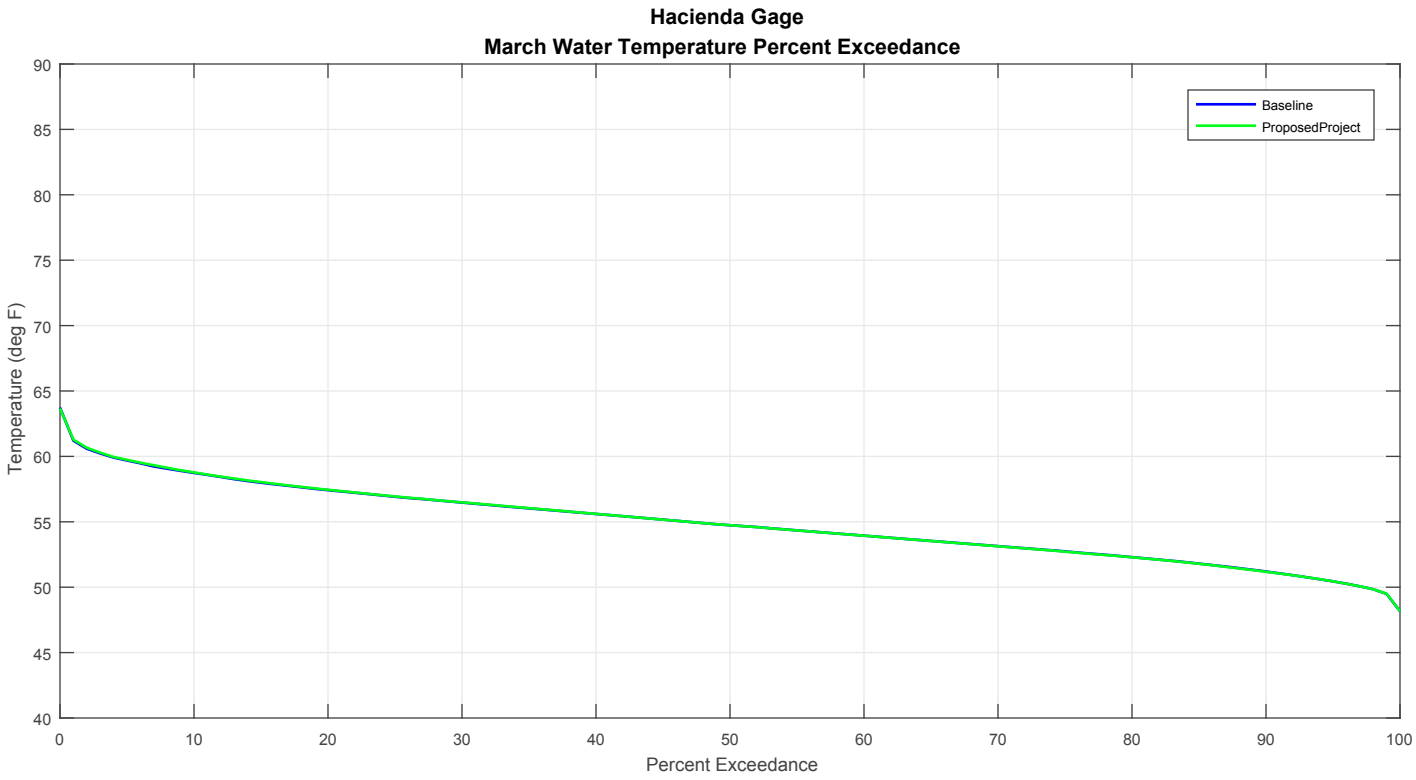
Hacienda Gage
March Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
90
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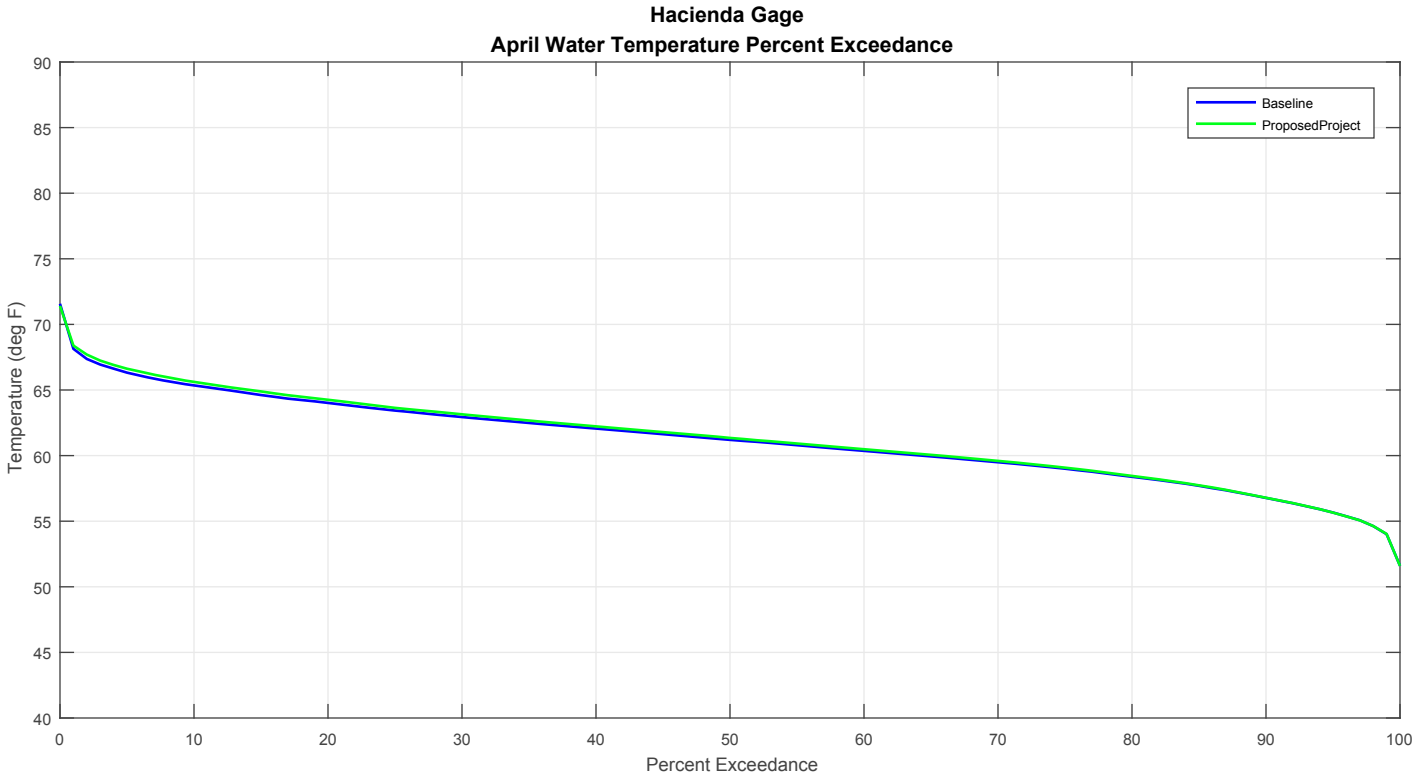
Hacienda Gage
April Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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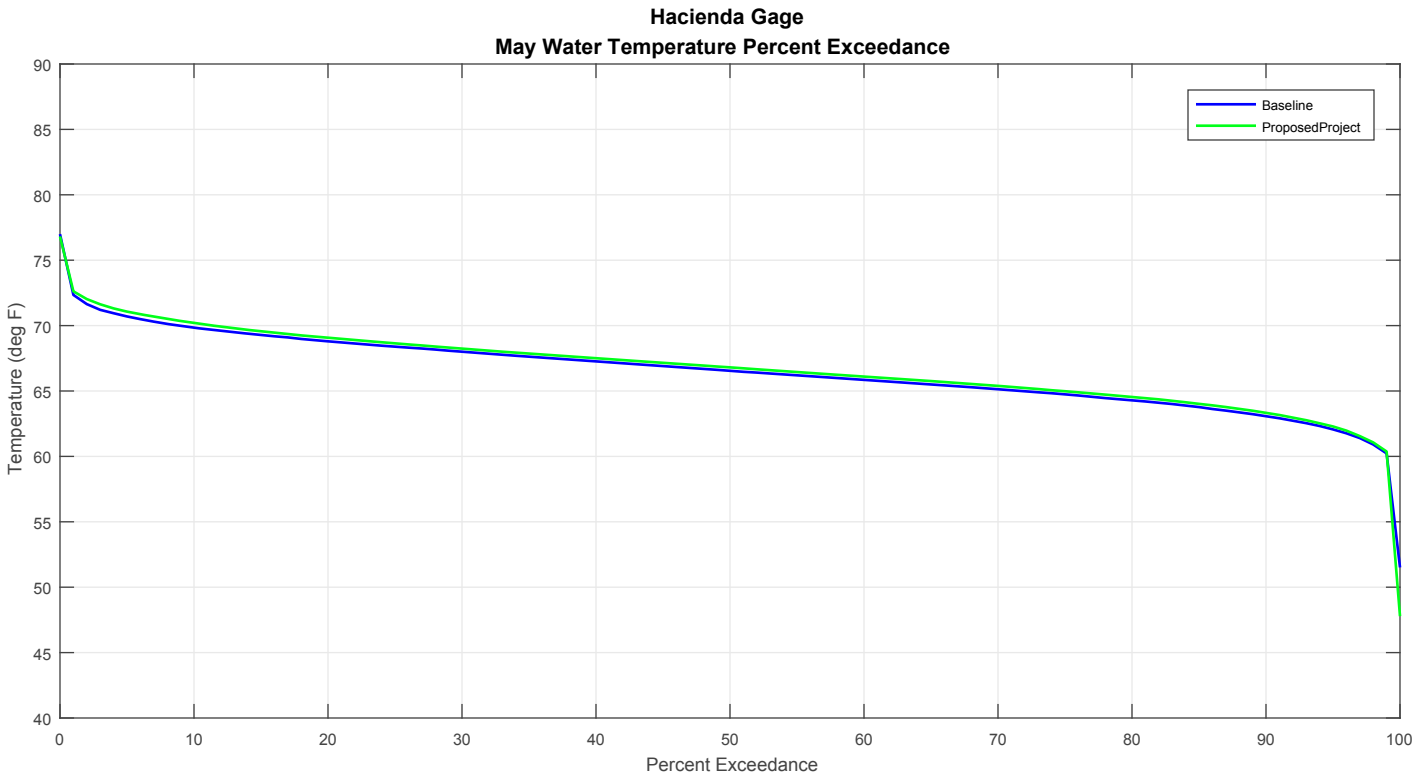
Hacienda Gage
May Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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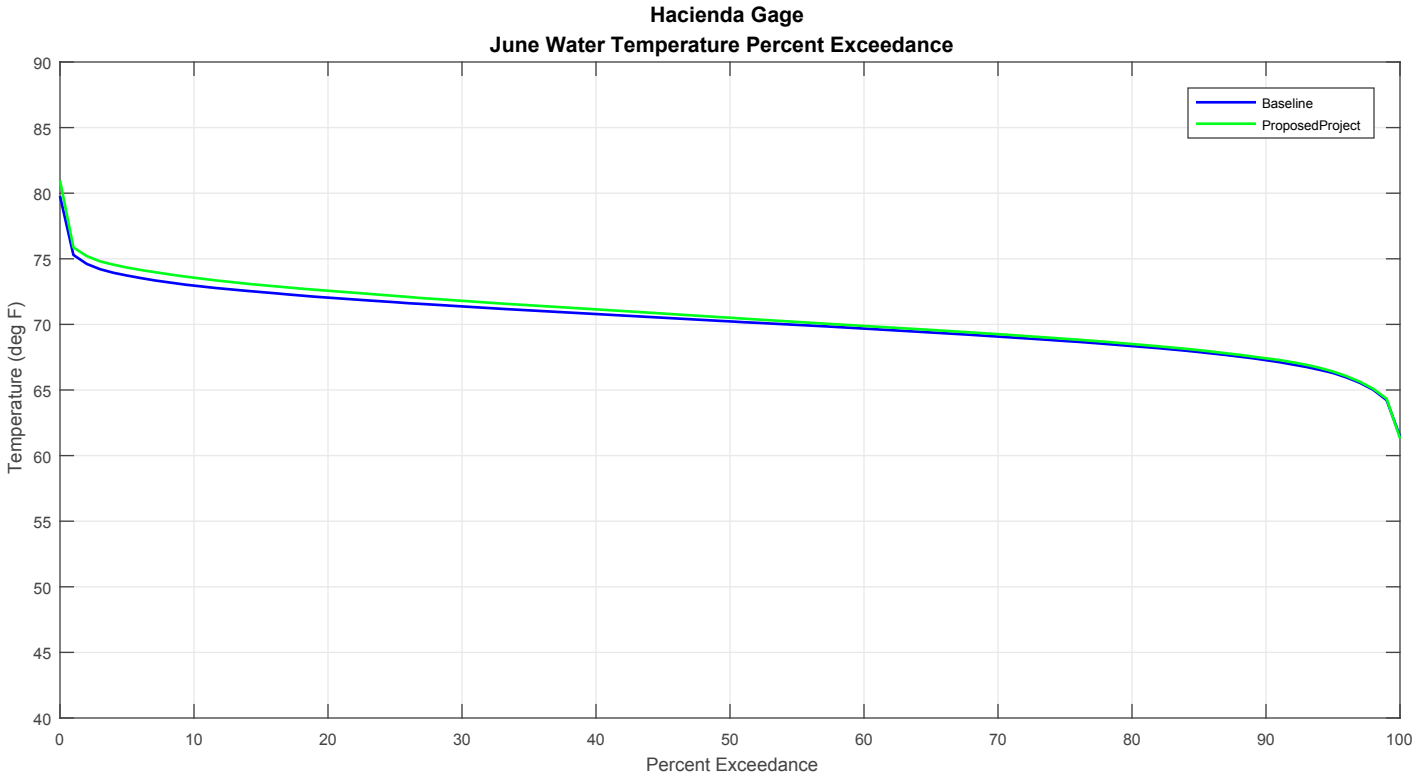
Hacienda Gage
June Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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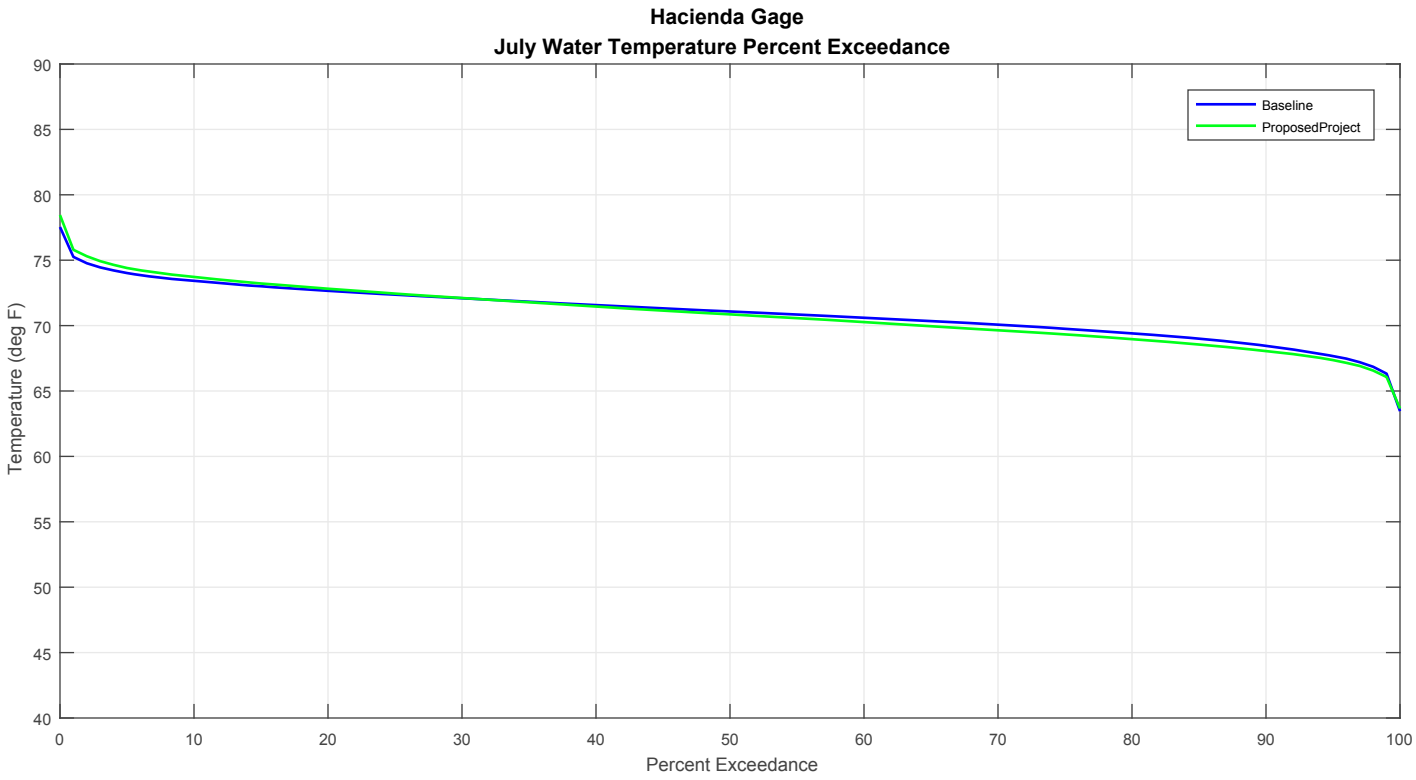
Hacienda Gage
July Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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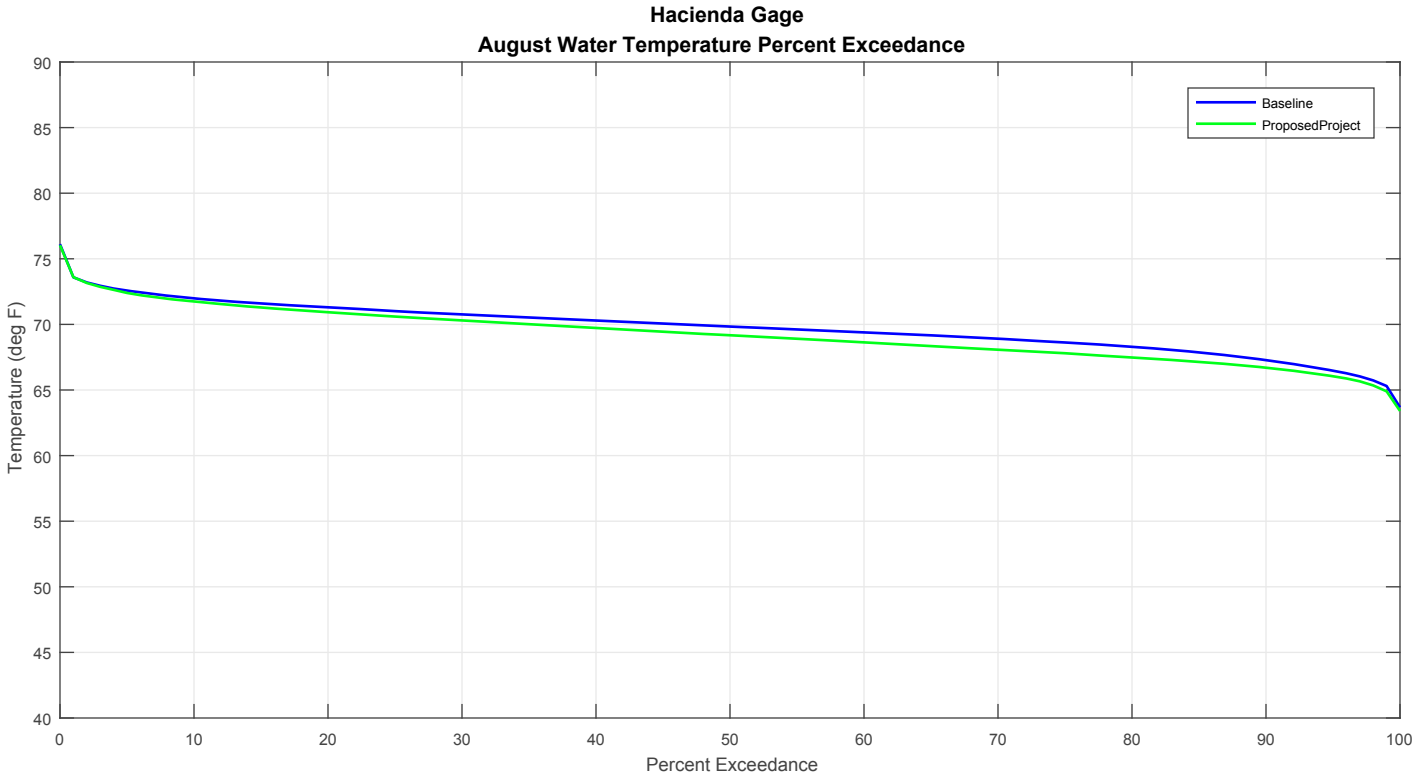
Hacienda Gage
August Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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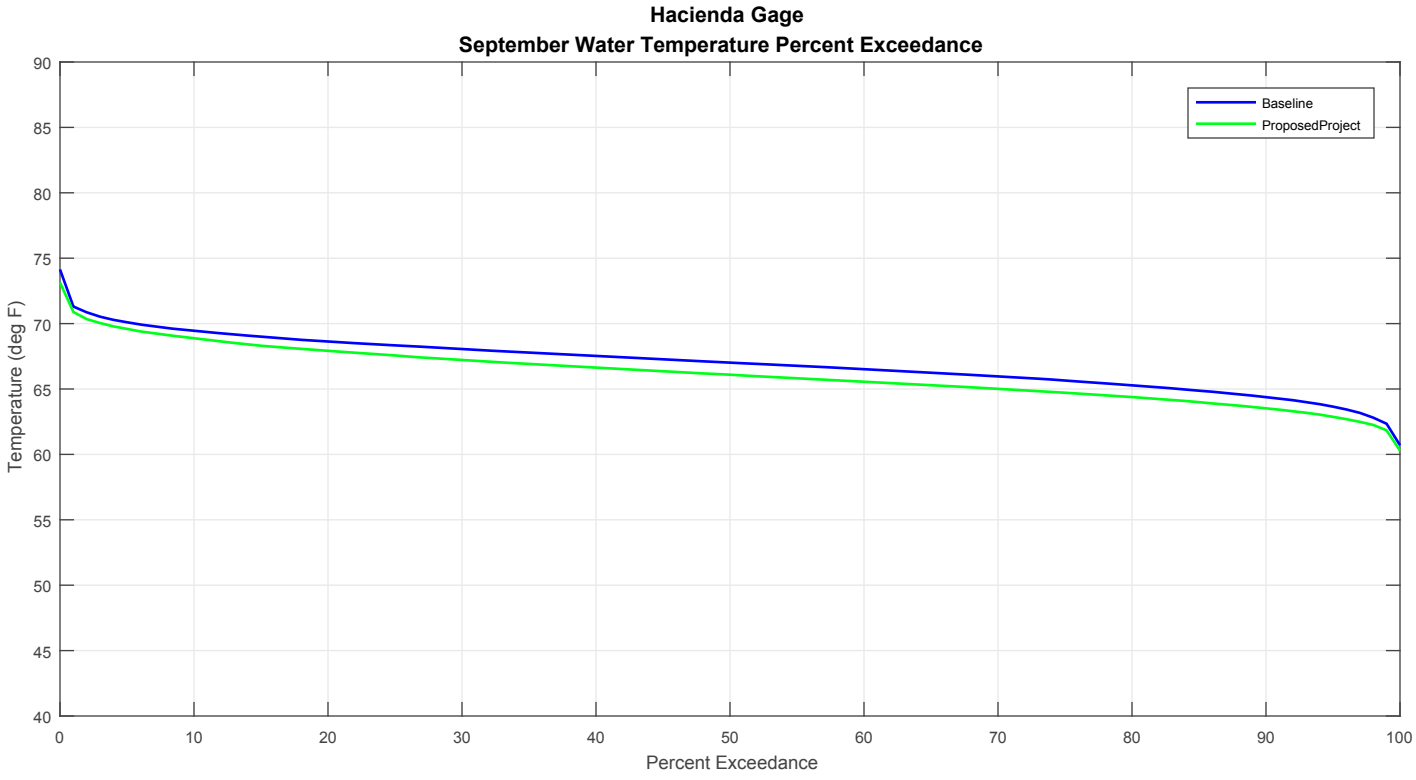
Hacienda Gage
September Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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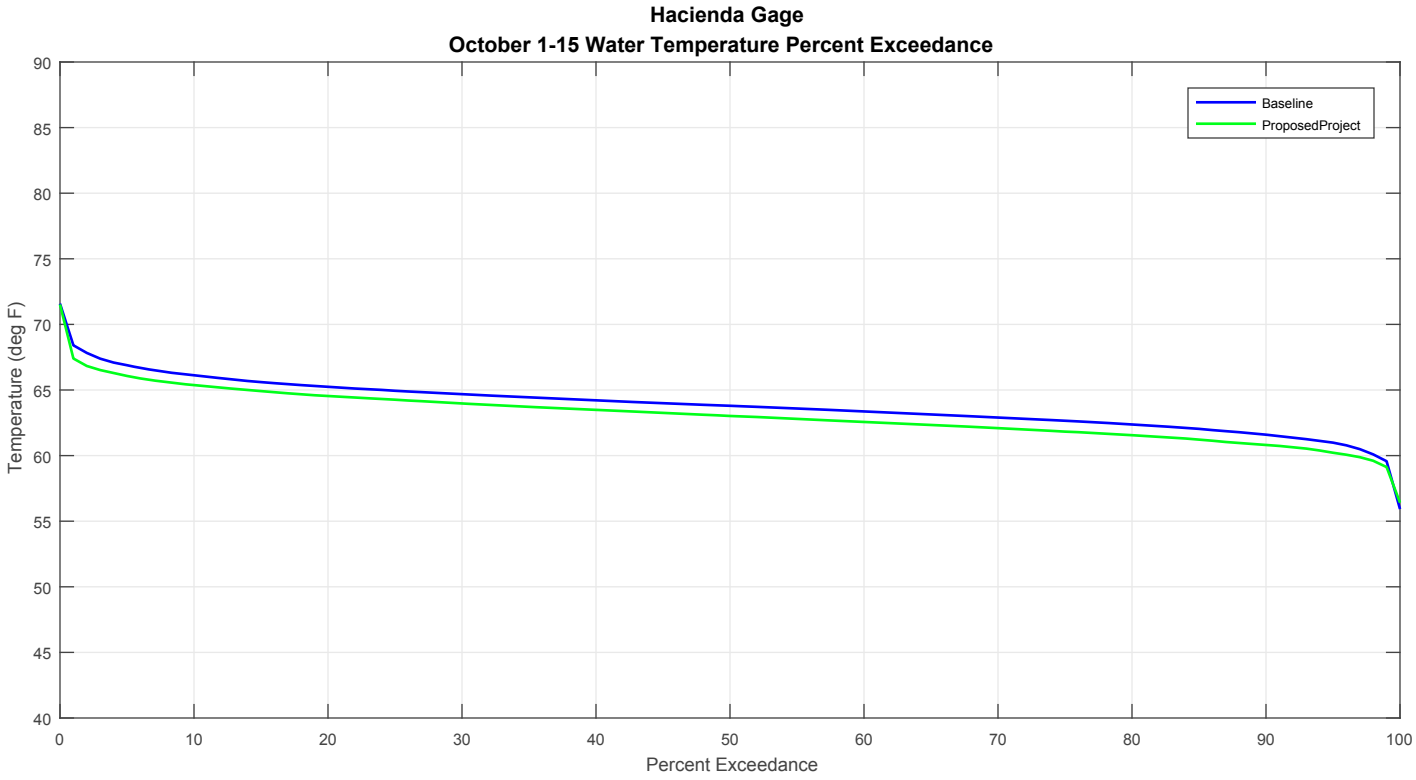
Hacienda Gage
October 1-15 Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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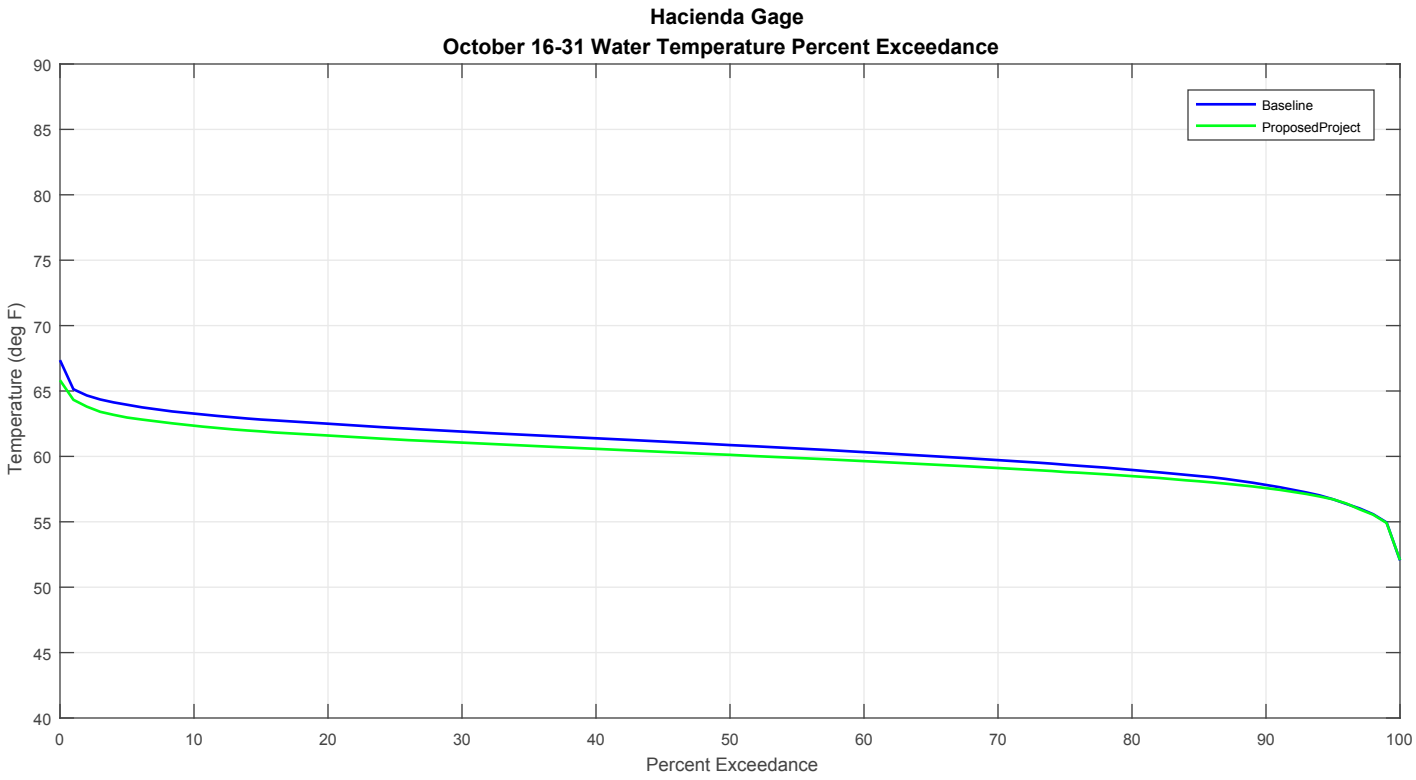
Hacienda Gage
October 16-31 Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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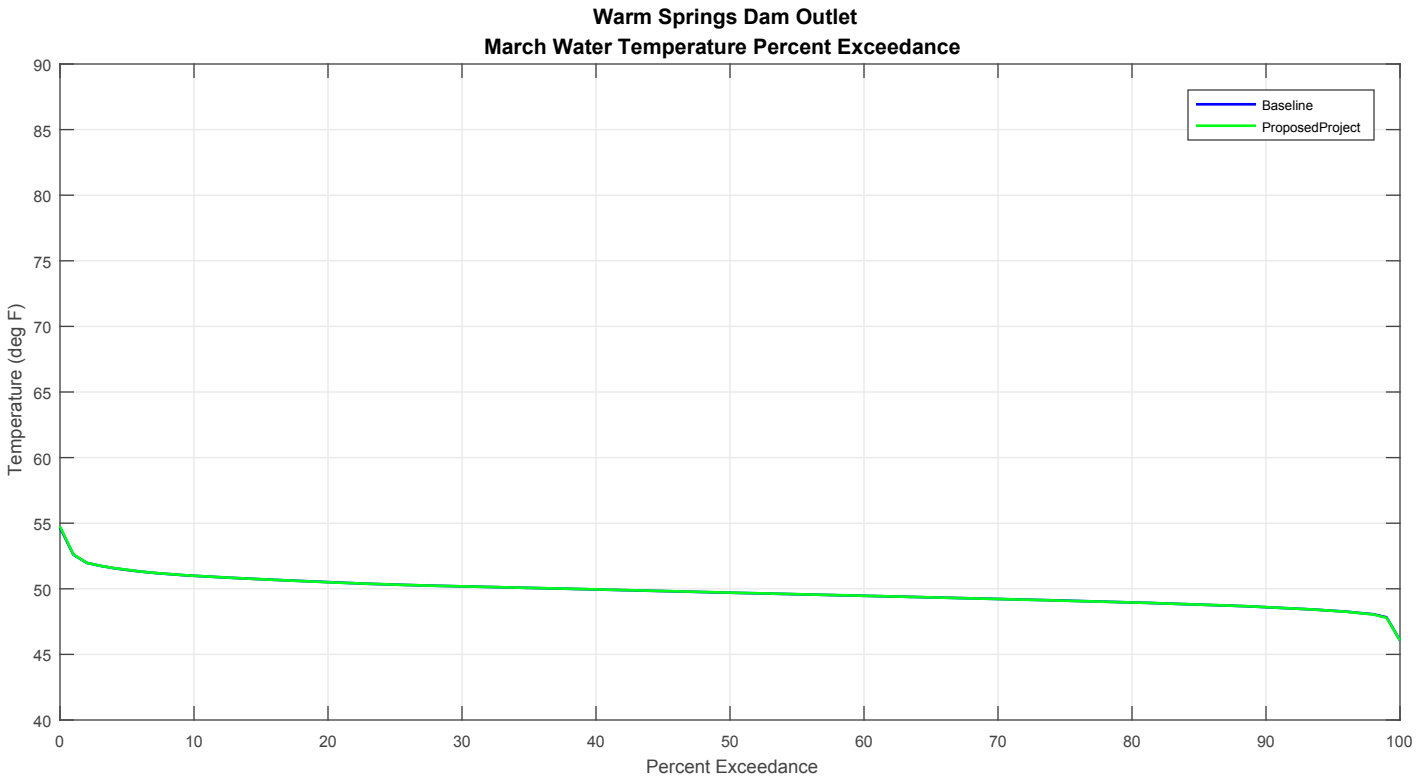
Warm Springs Dam Outlet
March Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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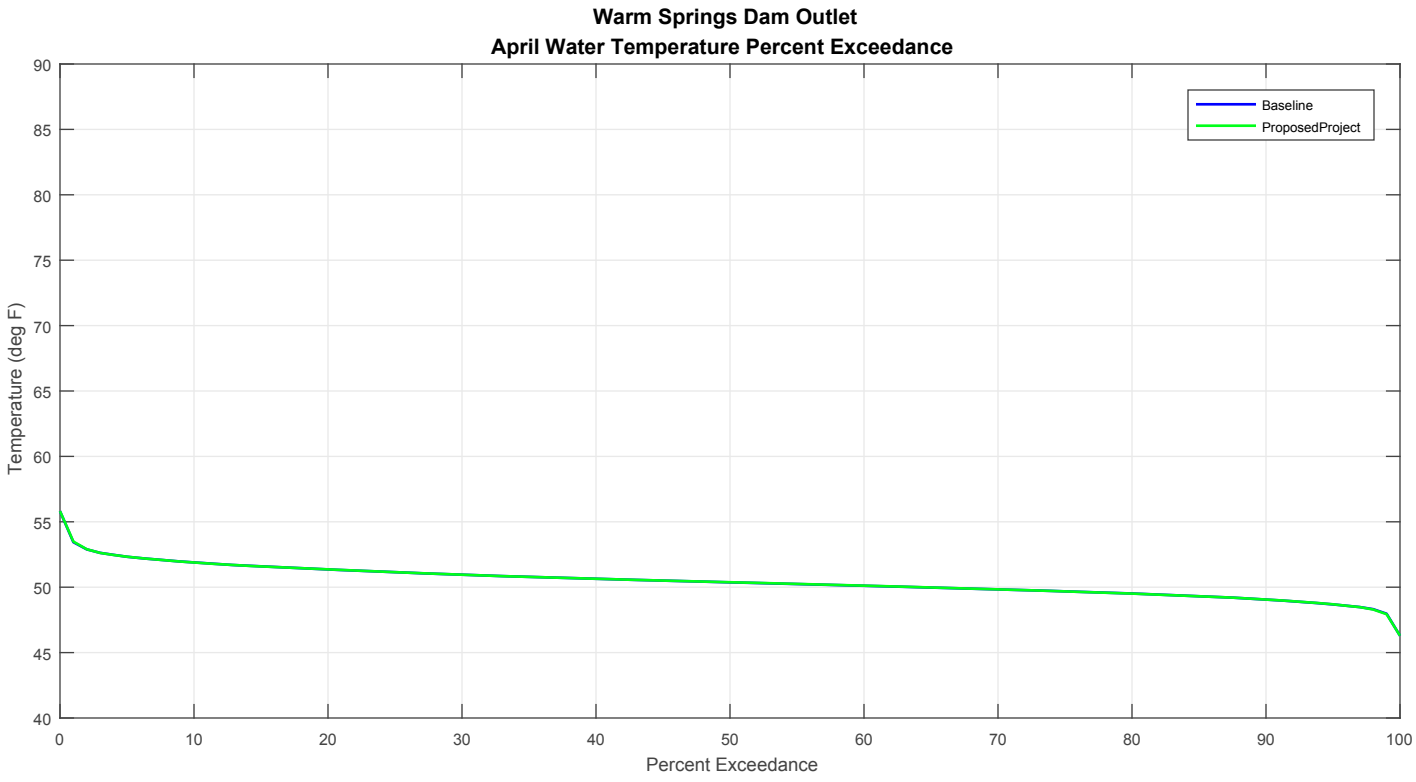
Warm Springs Dam Outlet
April Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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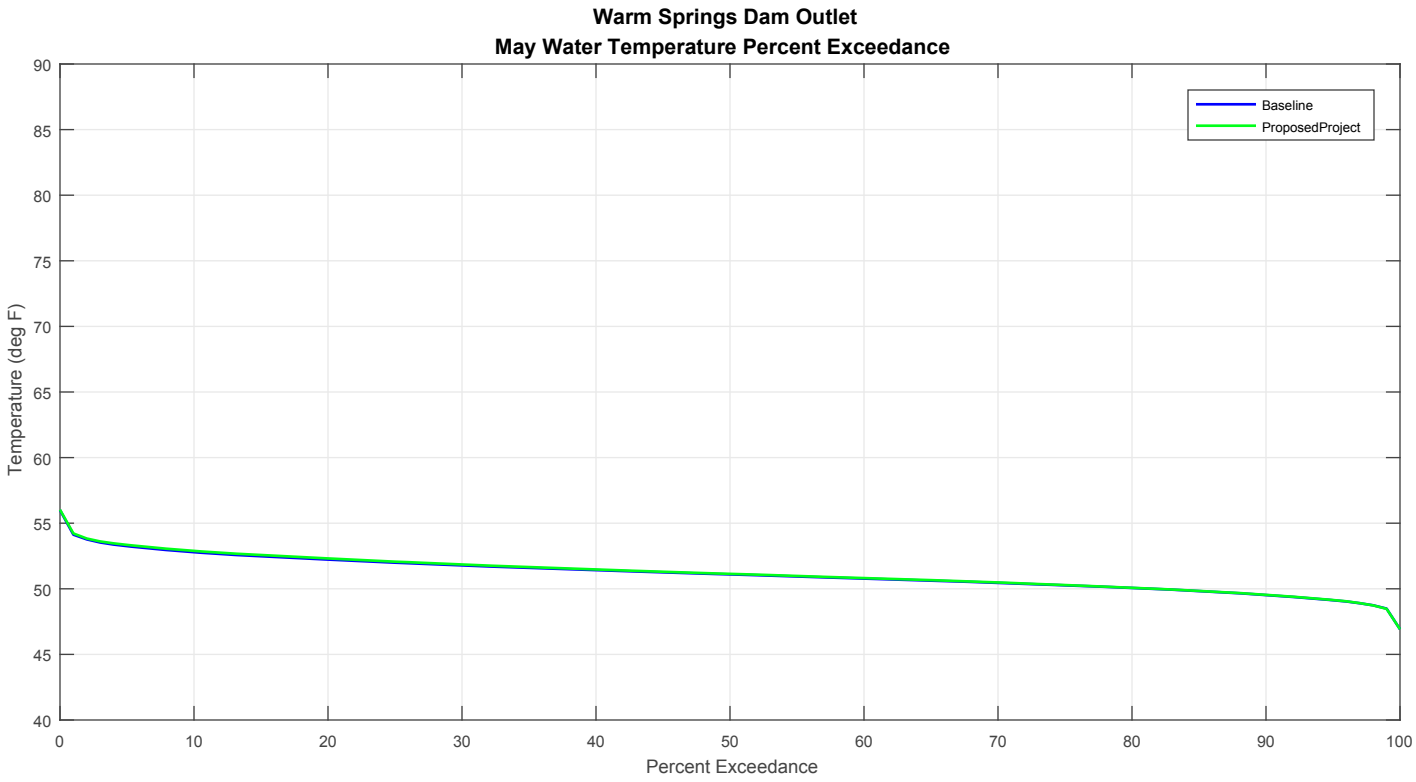
Warm Springs Dam Outlet
May Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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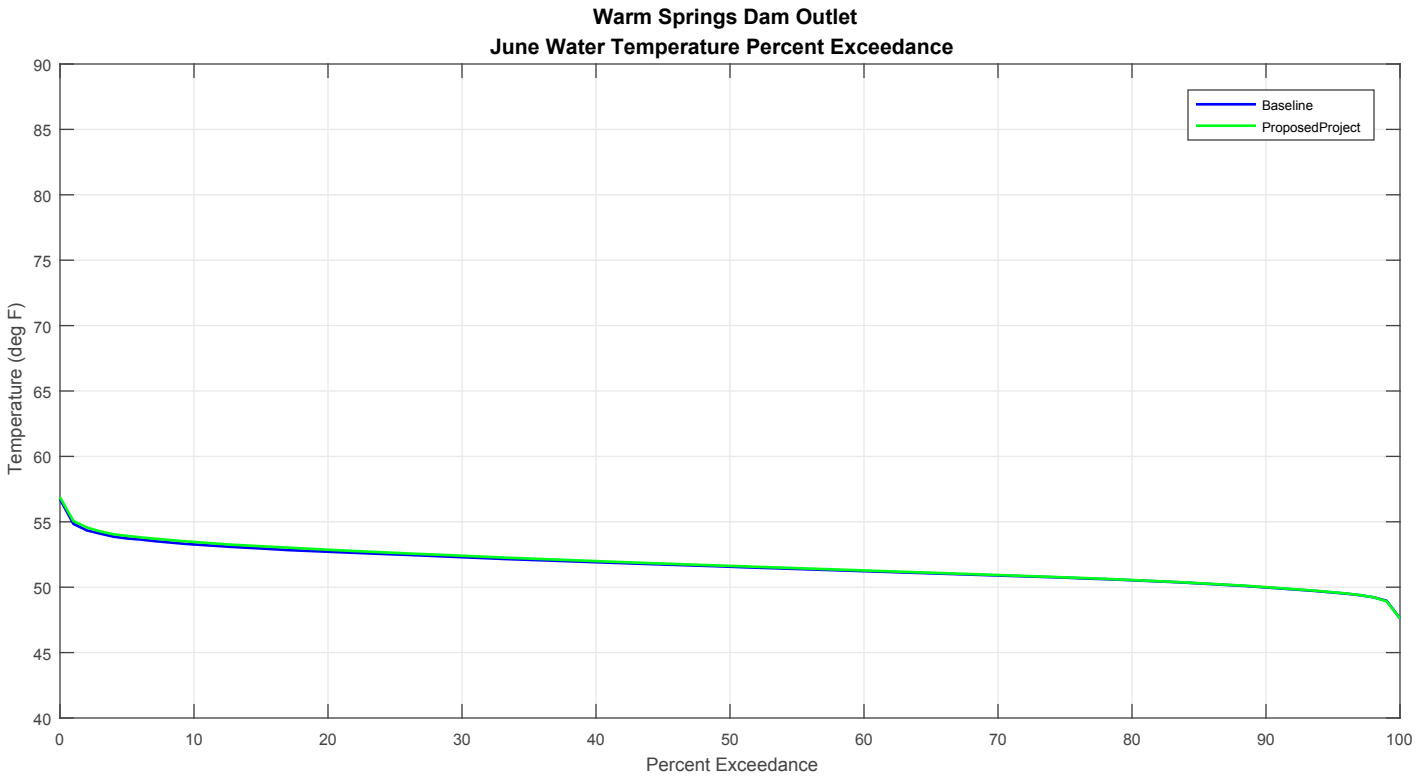
Warm Springs Dam Outlet
June Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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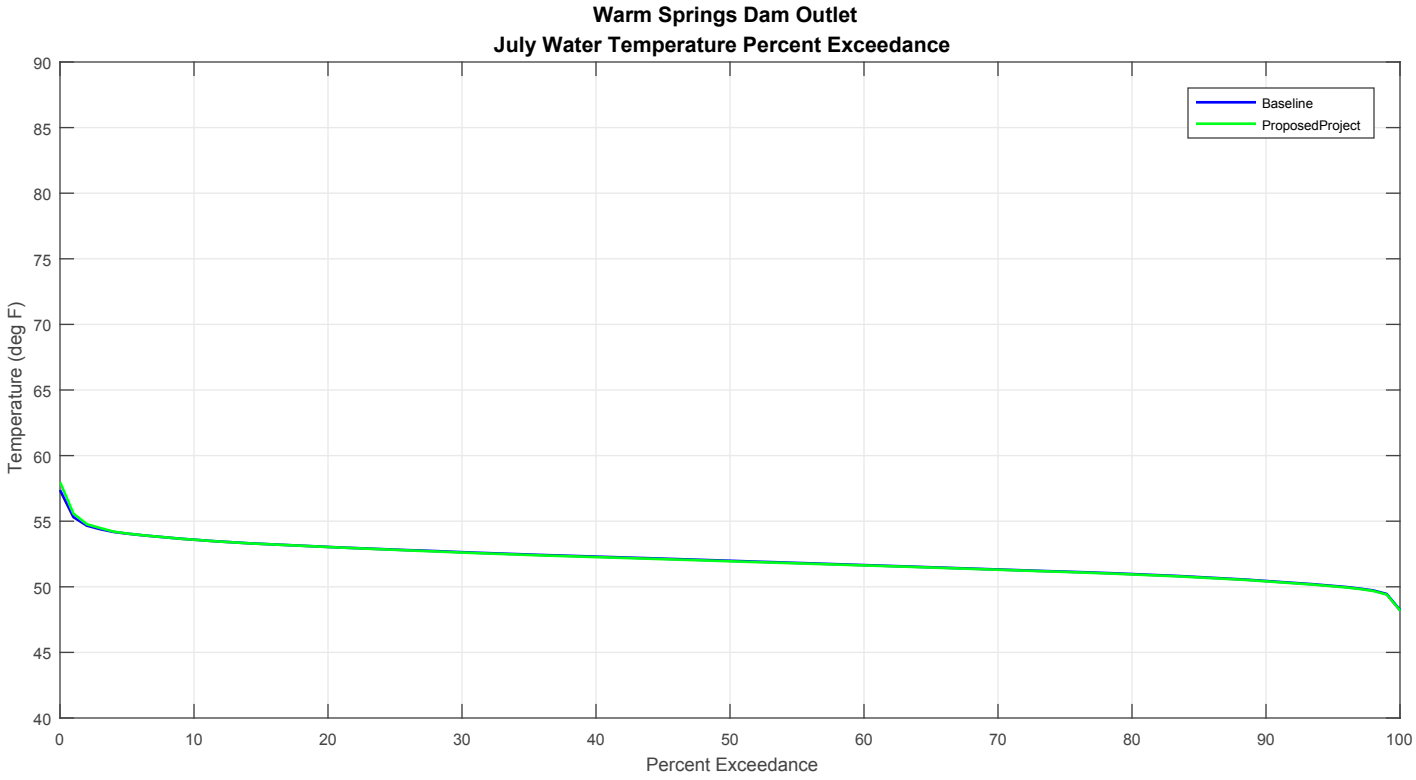
Warm Springs Dam Outlet
July Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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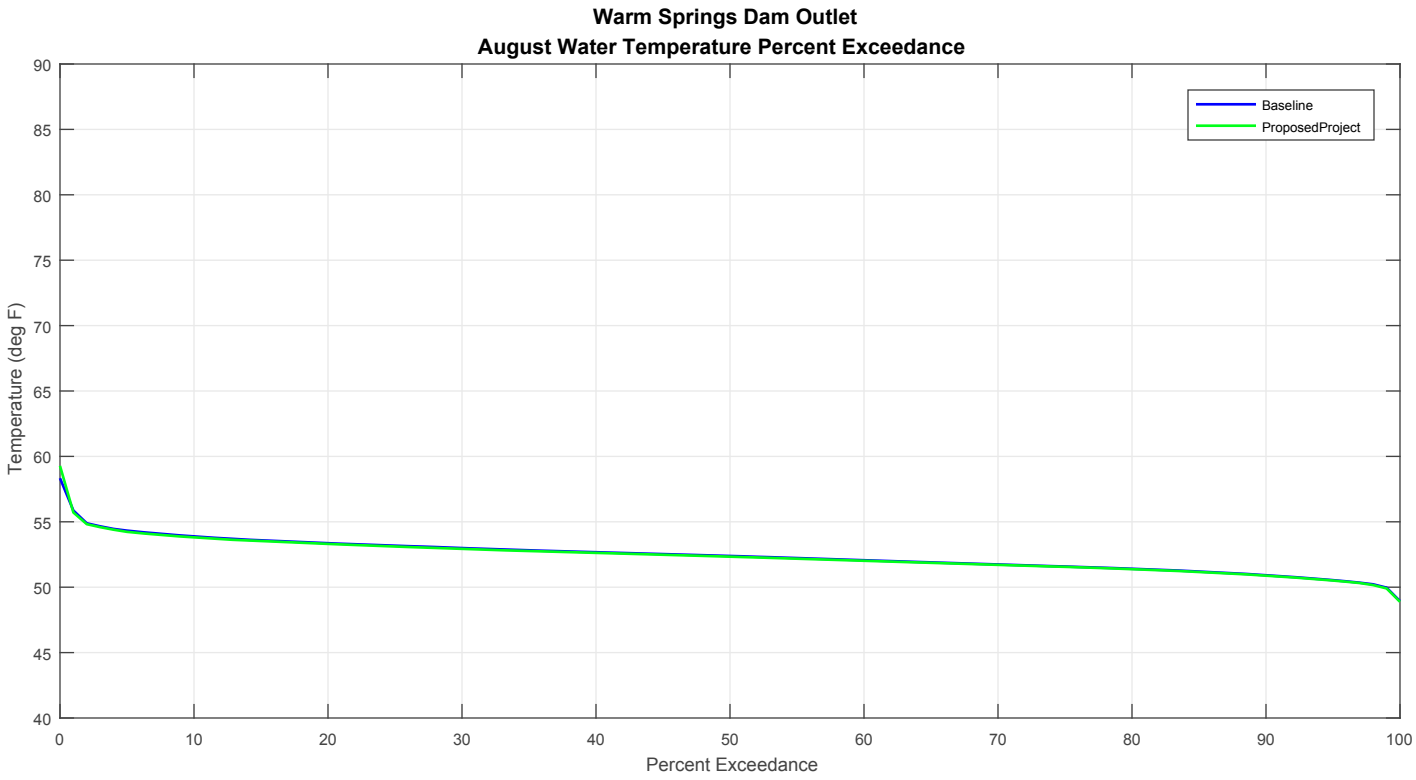
Warm Springs Dam Outlet
August Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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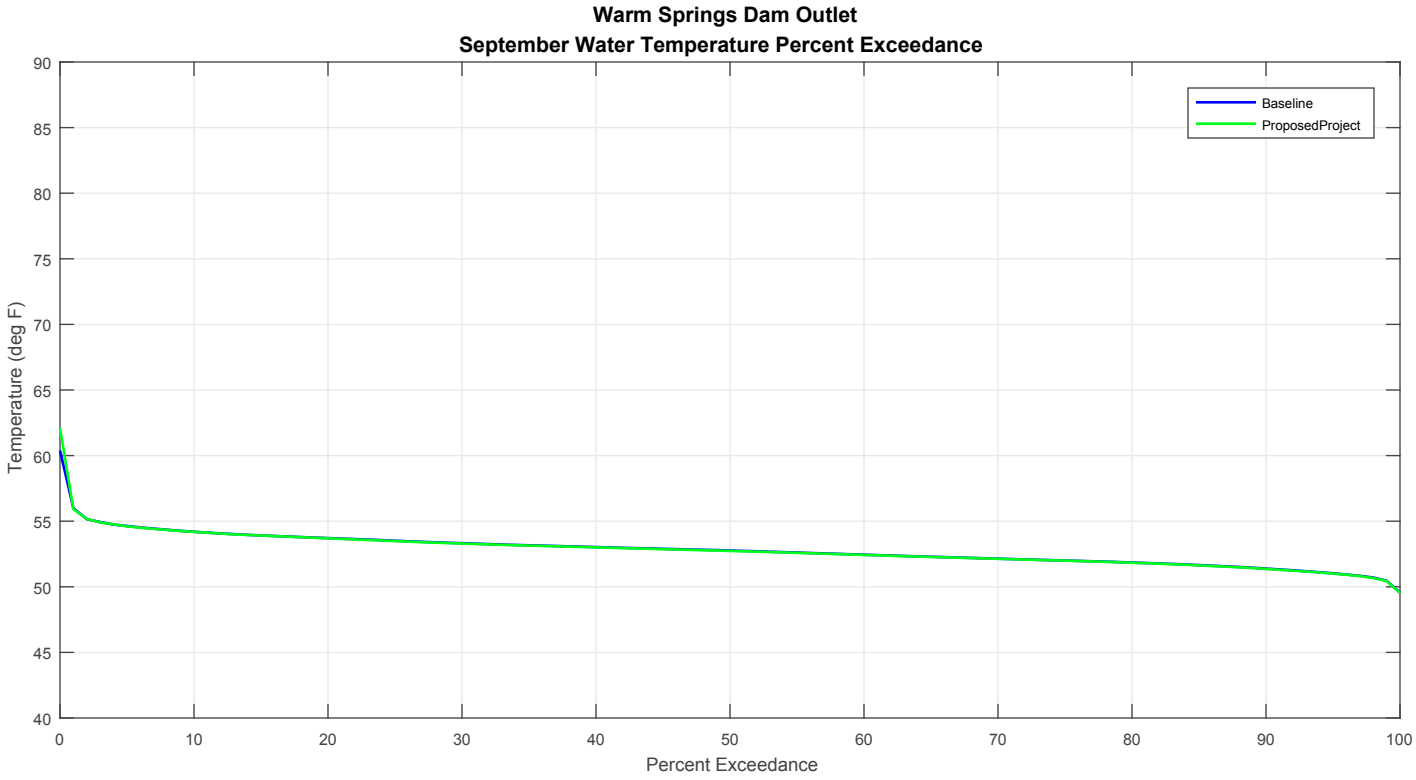
Warm Springs Dam Outlet
September Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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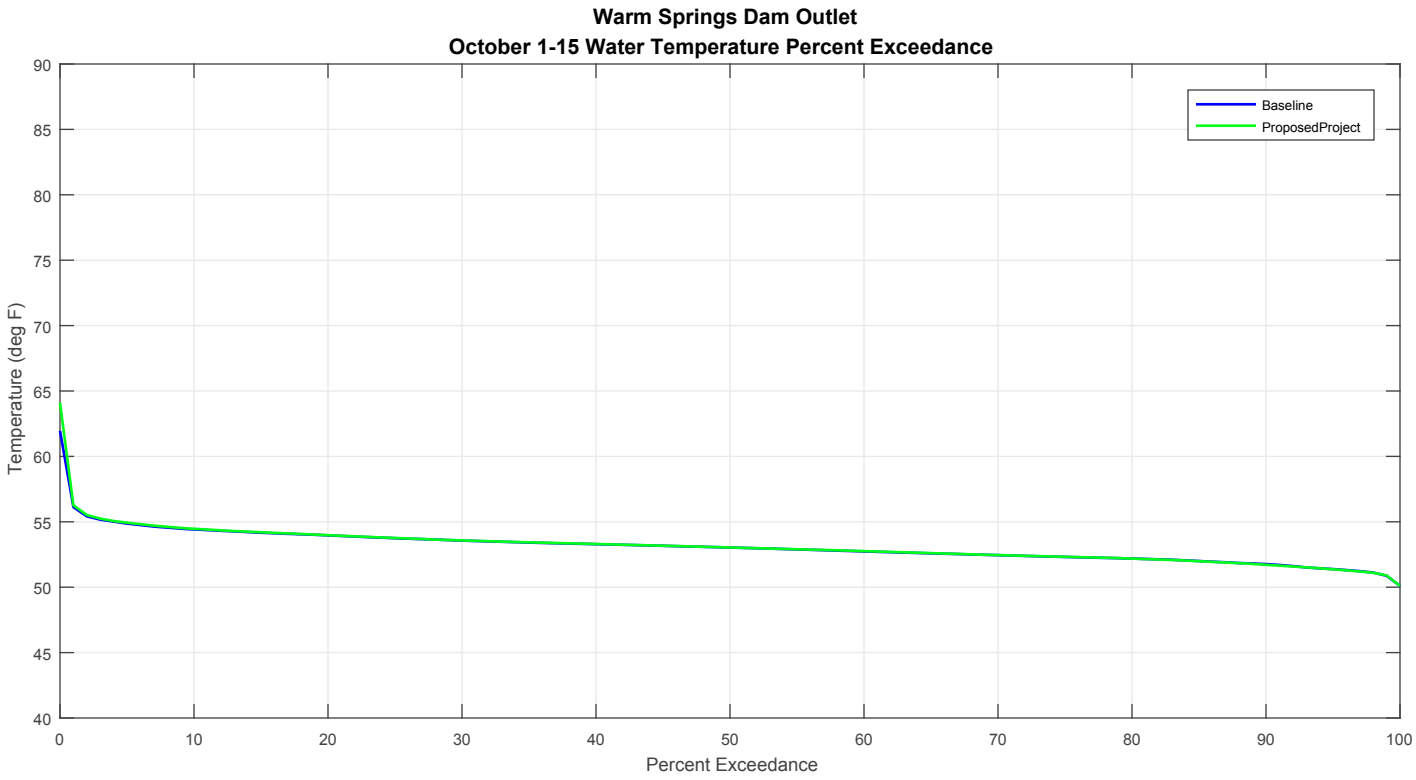
Warm Springs Dam Outlet
October 1-15 Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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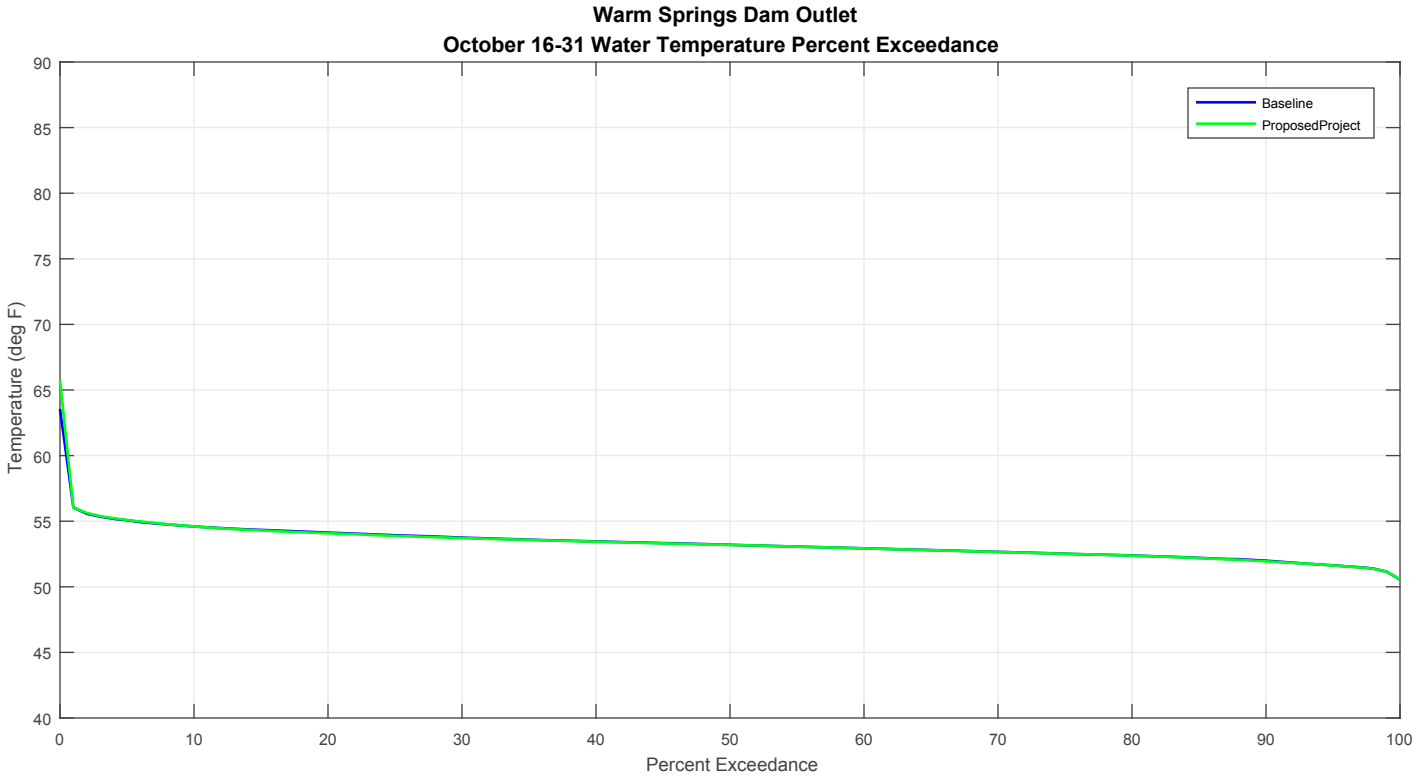
Warm Springs Dam Outlet
October 16-31 Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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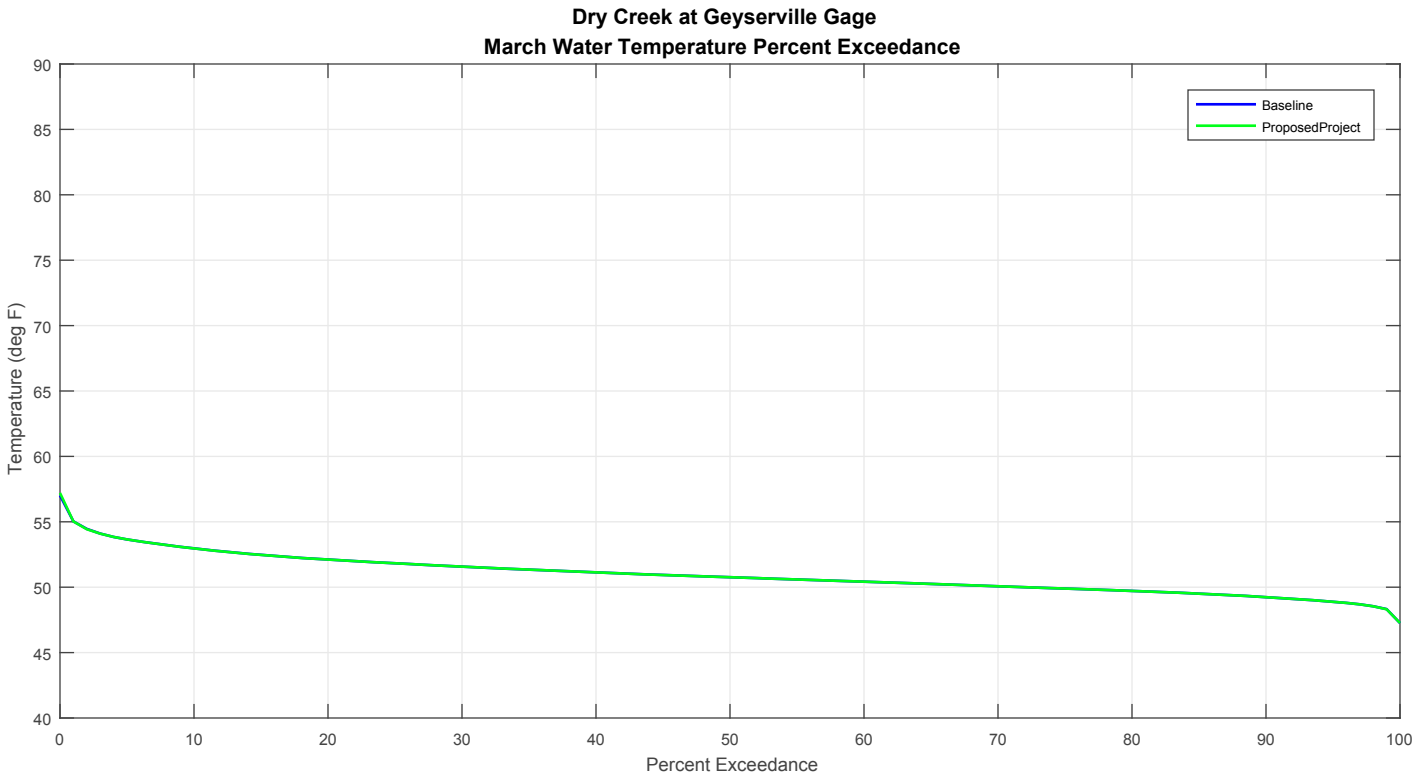
Dry Creek at Geyserville Gage
March Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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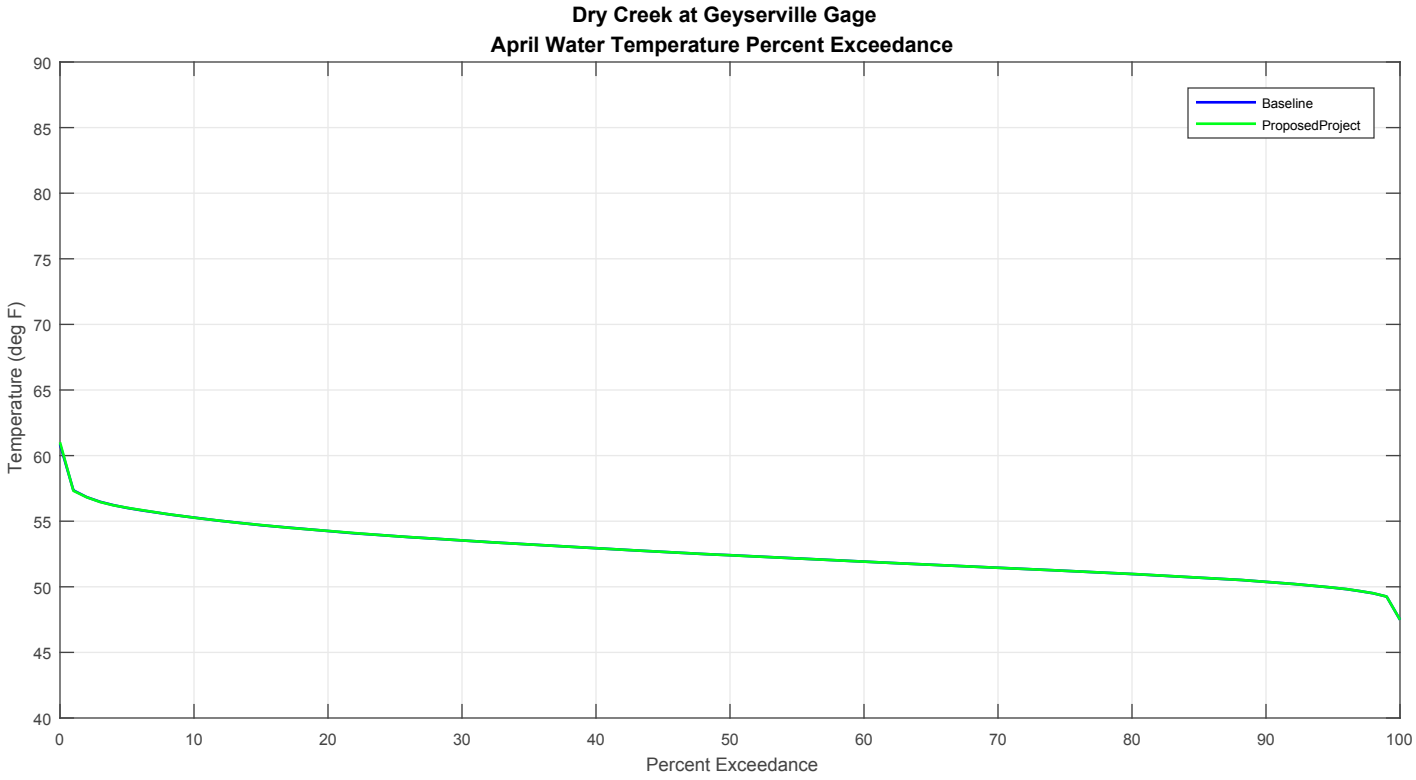
Dry Creek at Geyserville Gage
April Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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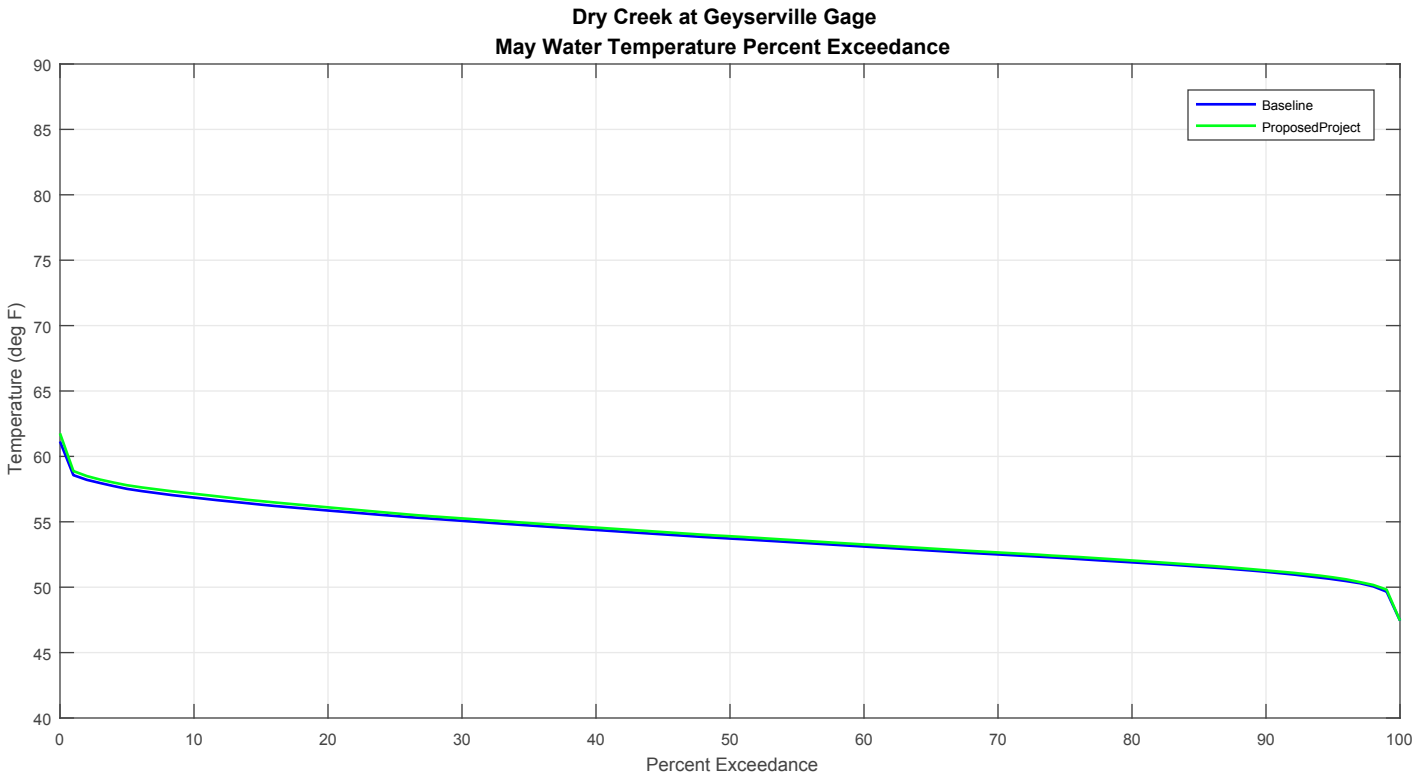
Dry Creek at Geyserville Gage
May Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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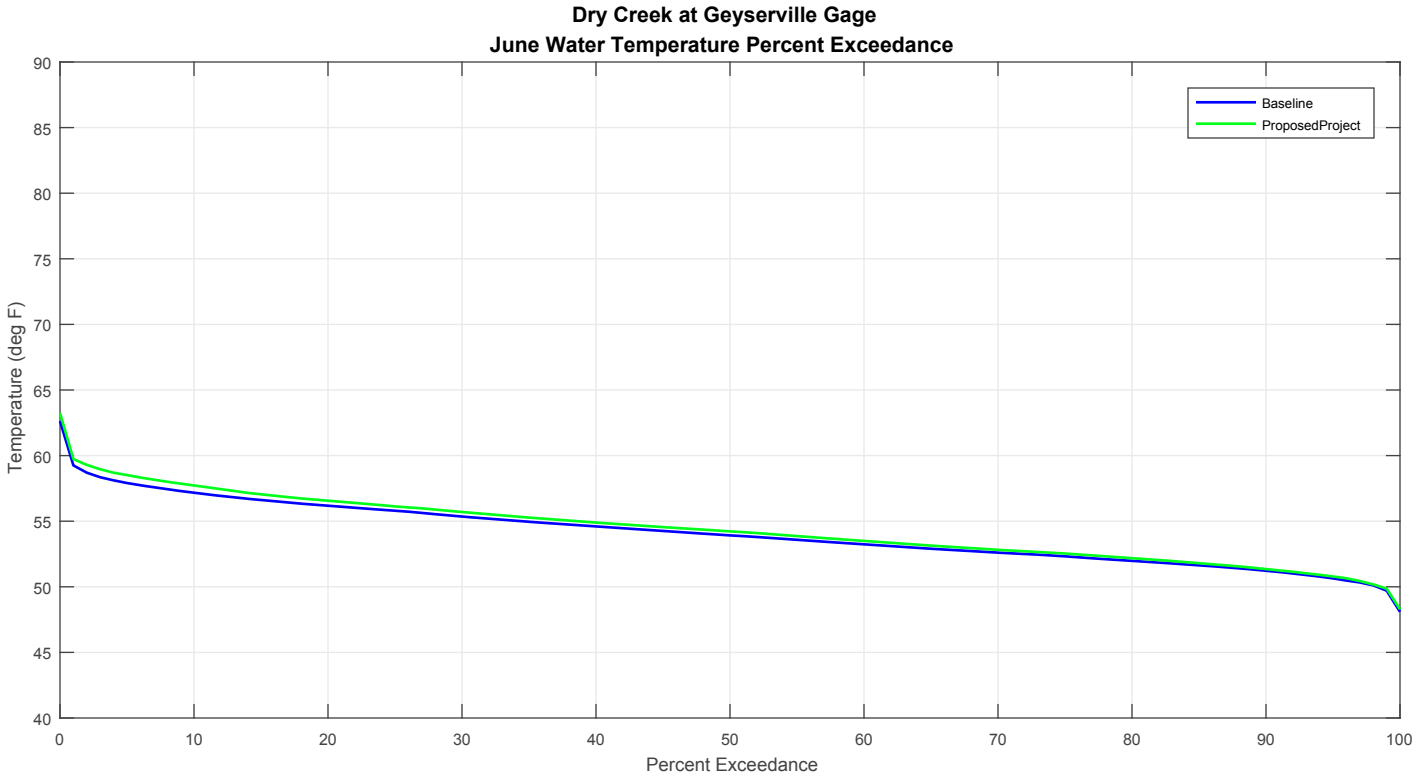
Dry Creek at Geyserville Gage
June Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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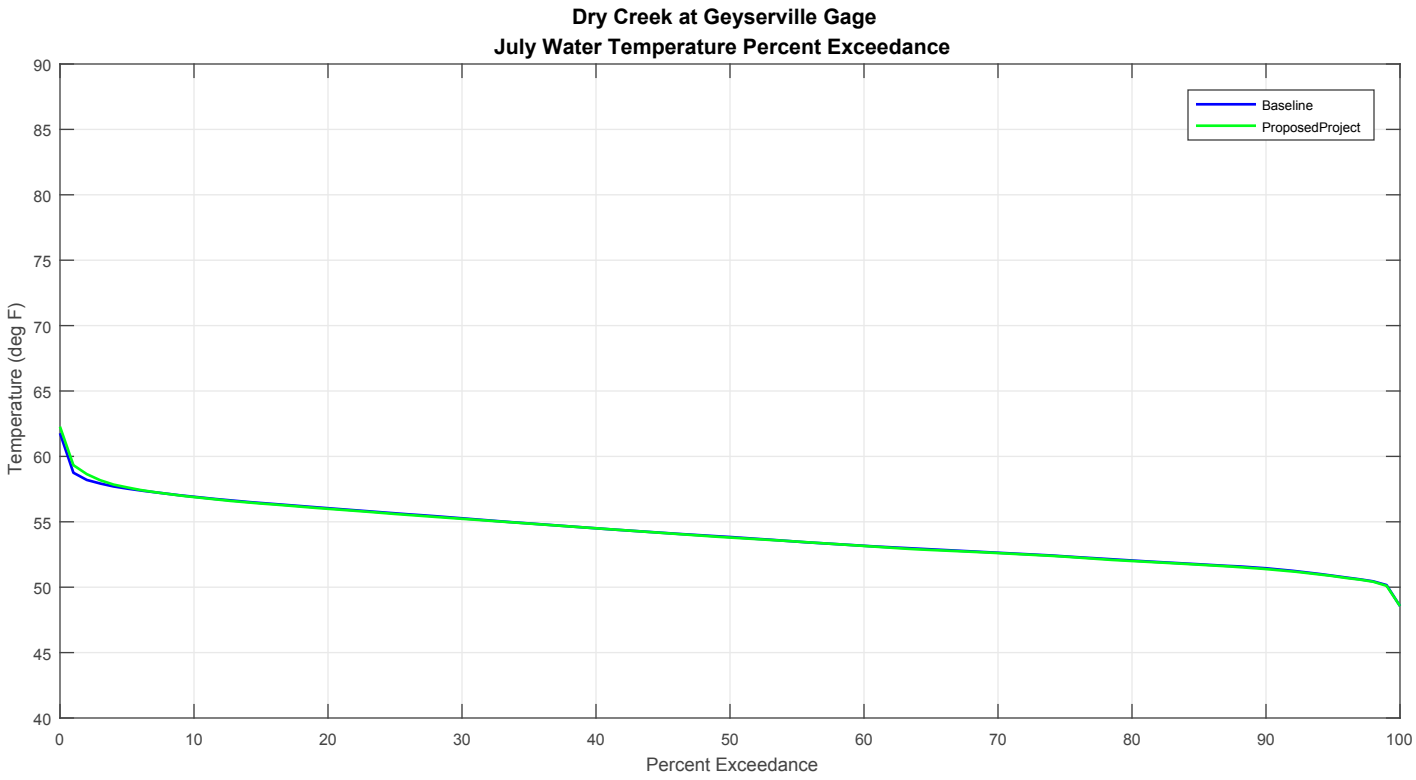
Dry Creek at Geyserville Gage
July Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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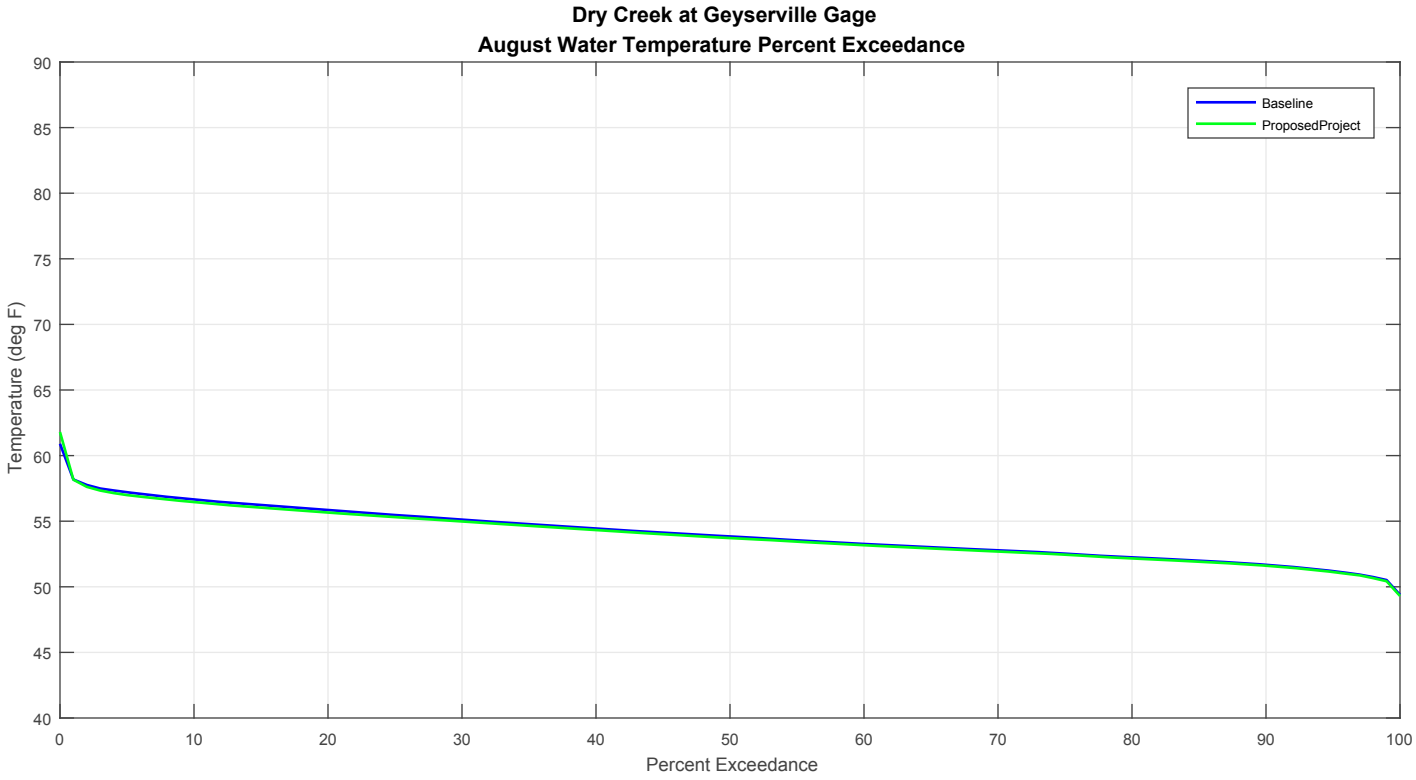
Dry Creek at Geyserville Gage
August Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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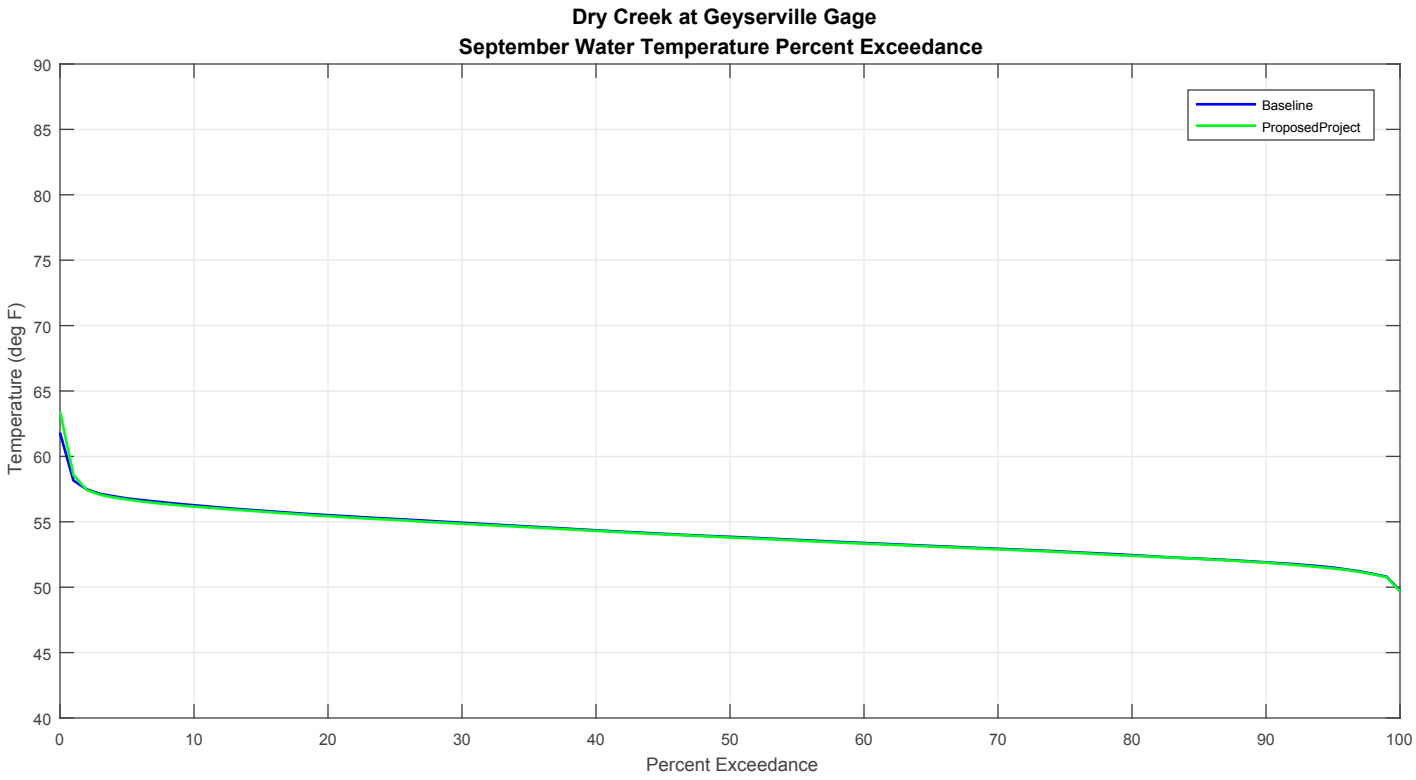
Dry Creek at Geyserville Gage
September Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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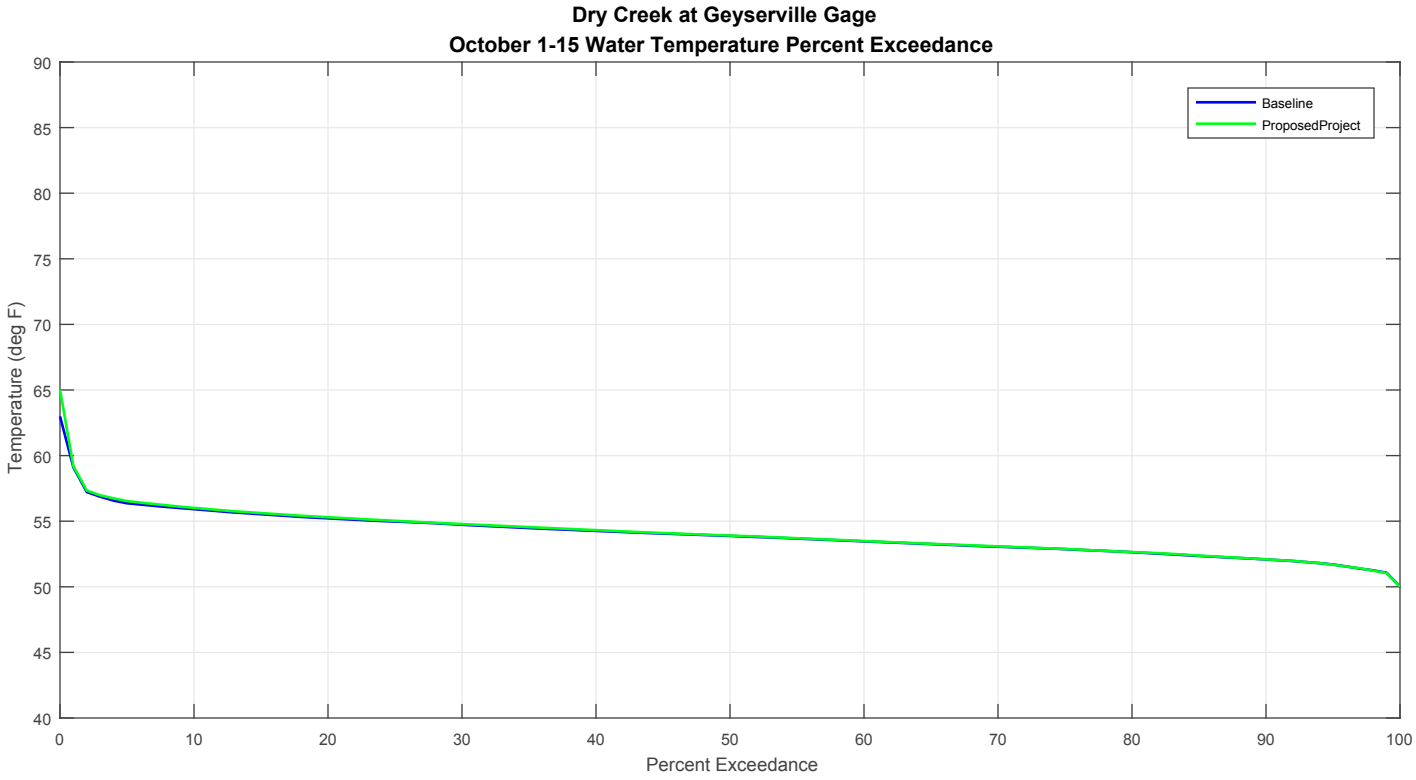
Dry Creek at Geyserville Gage
October 1-15 Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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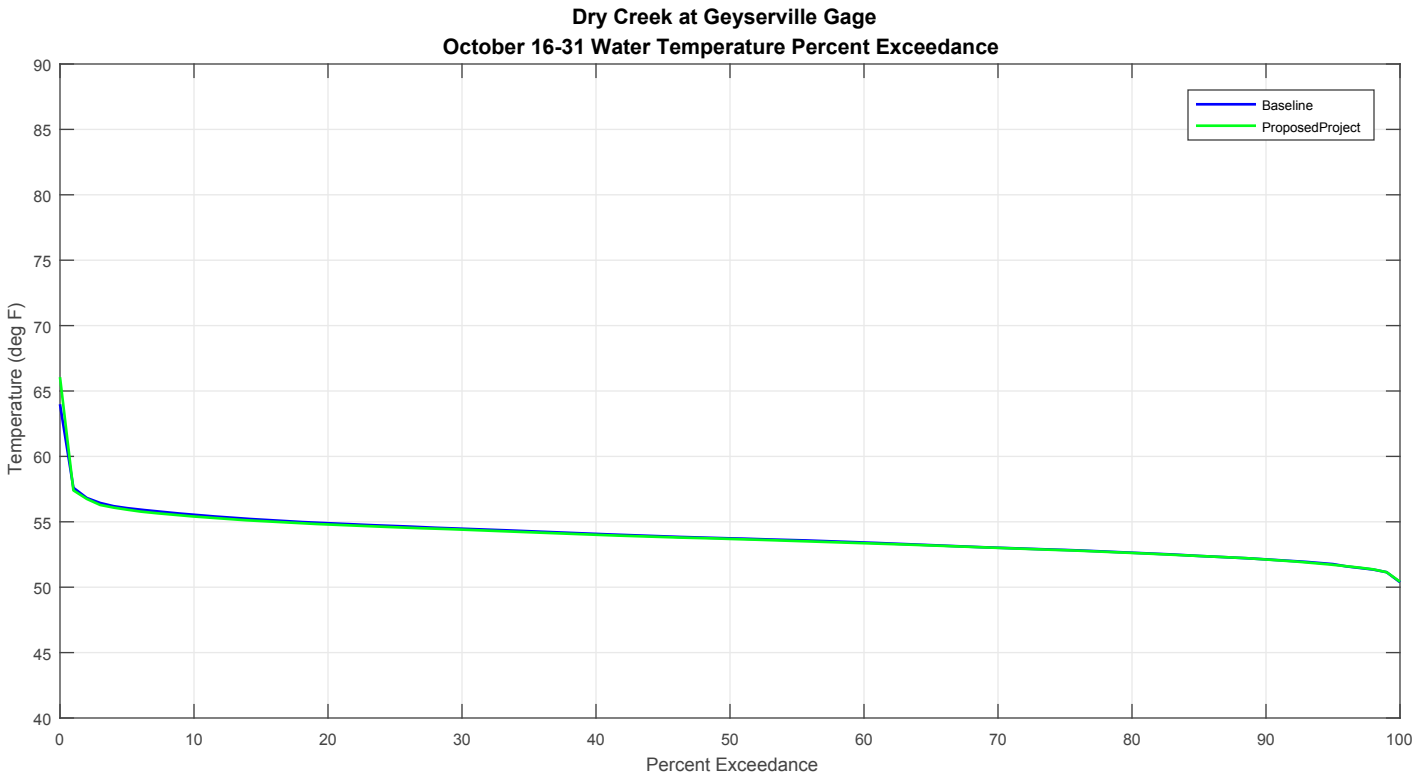
Dry Creek at Geyserville Gage
October 16-31 Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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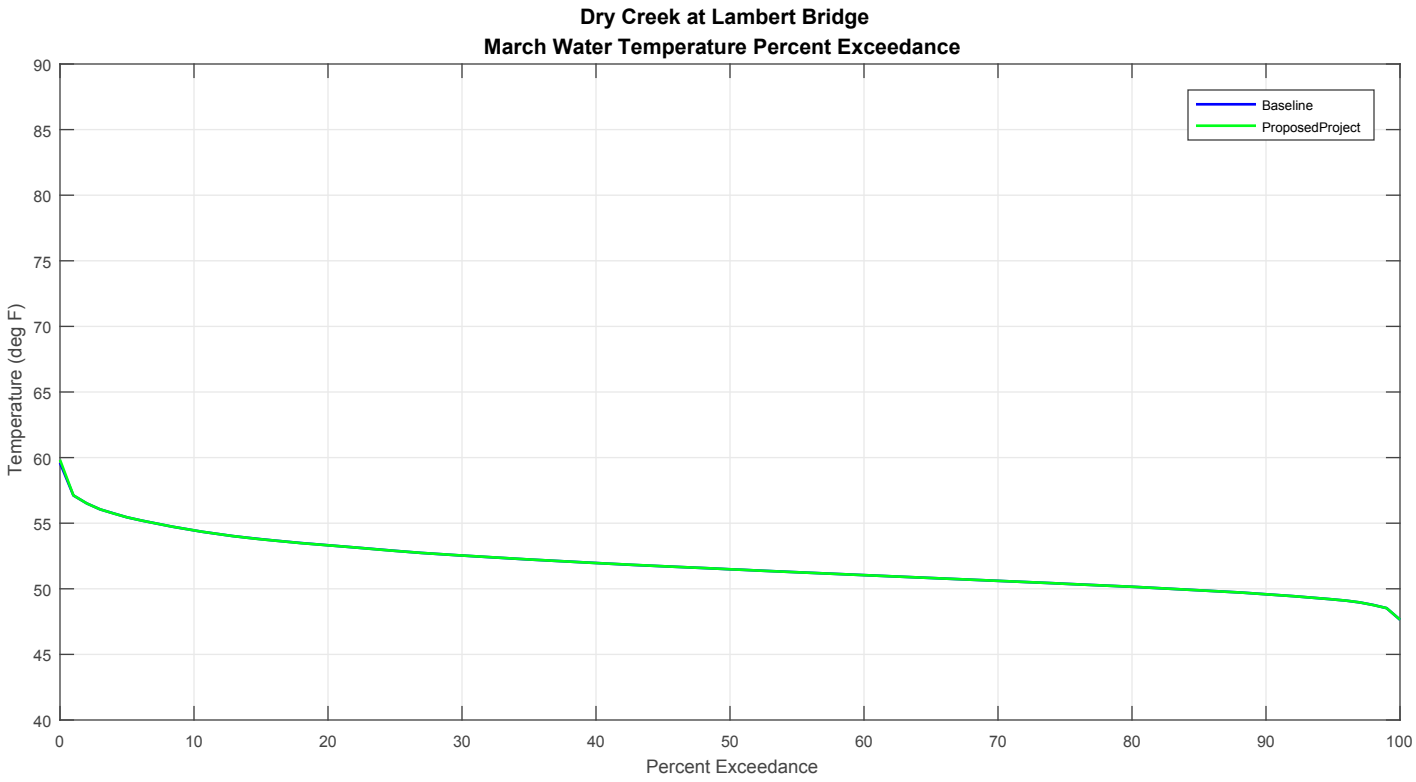
Dry Creek at Lambert Bridge
March Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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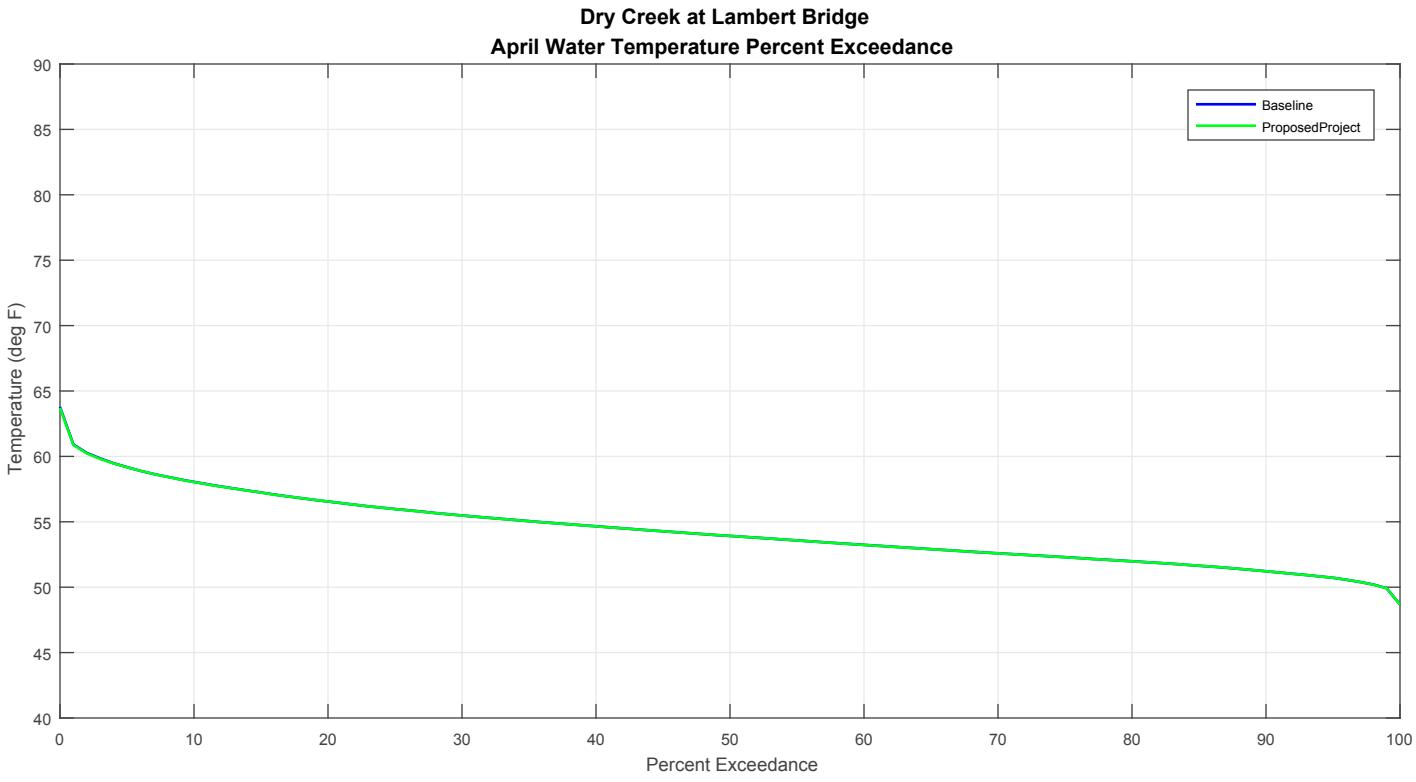
Dry Creek at Lambert Bridge
April Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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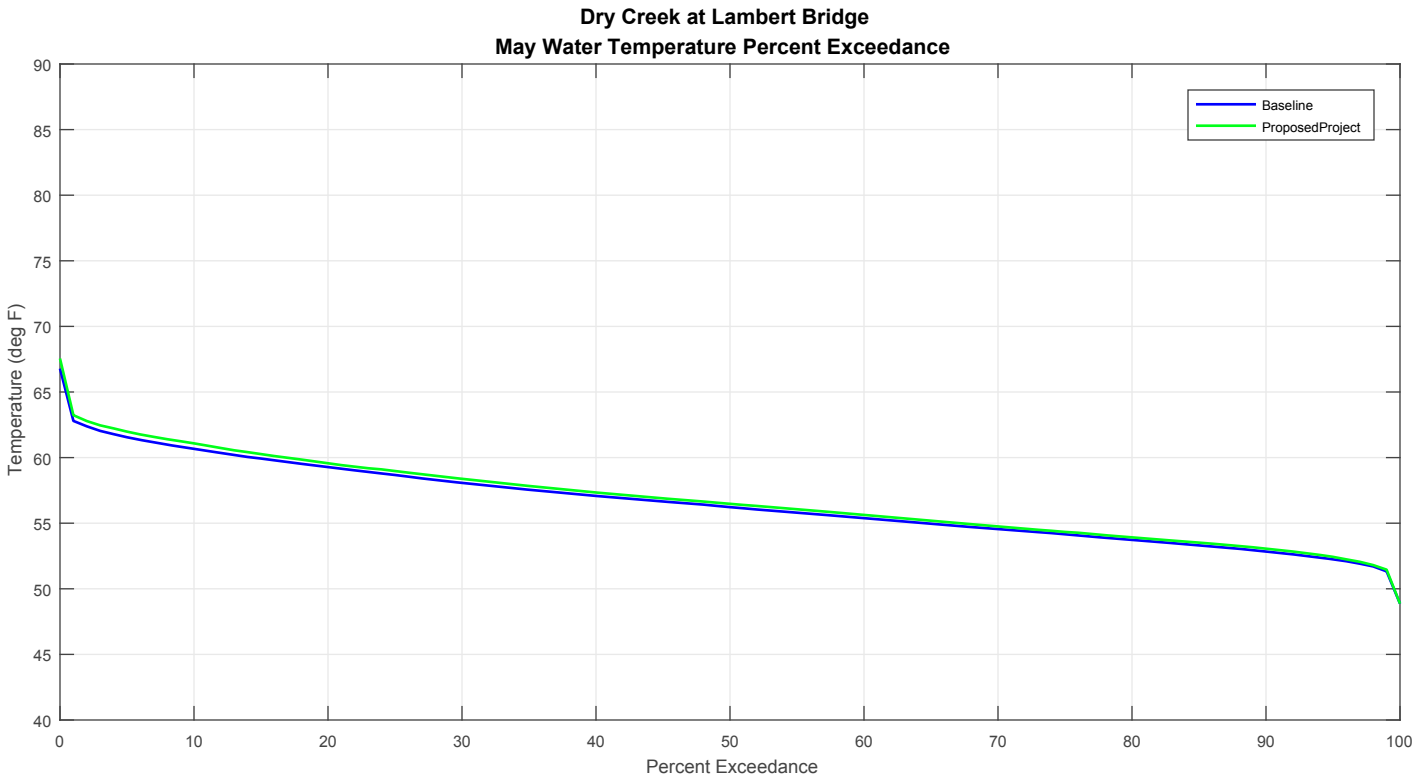
Dry Creek at Lambert Bridge
May Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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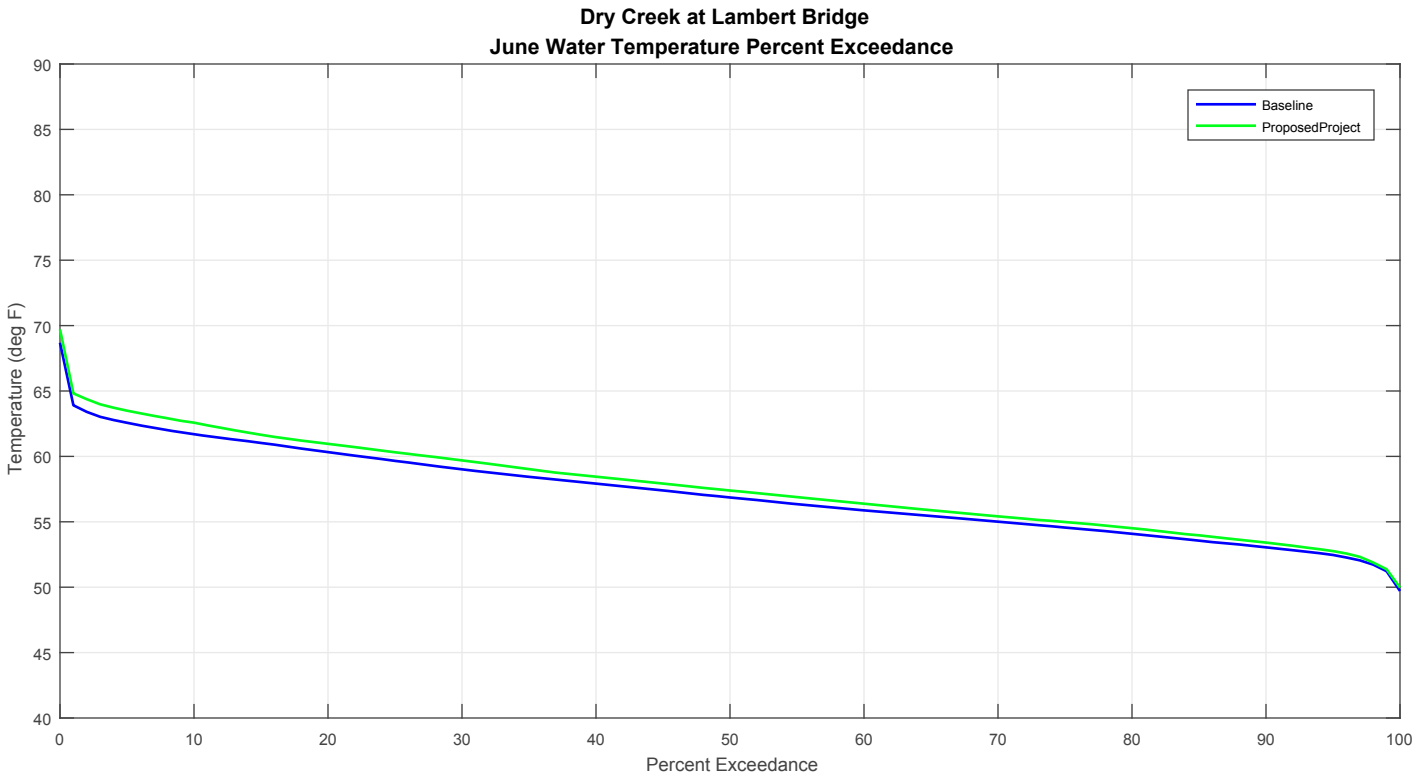
Dry Creek at Lambert Bridge
June Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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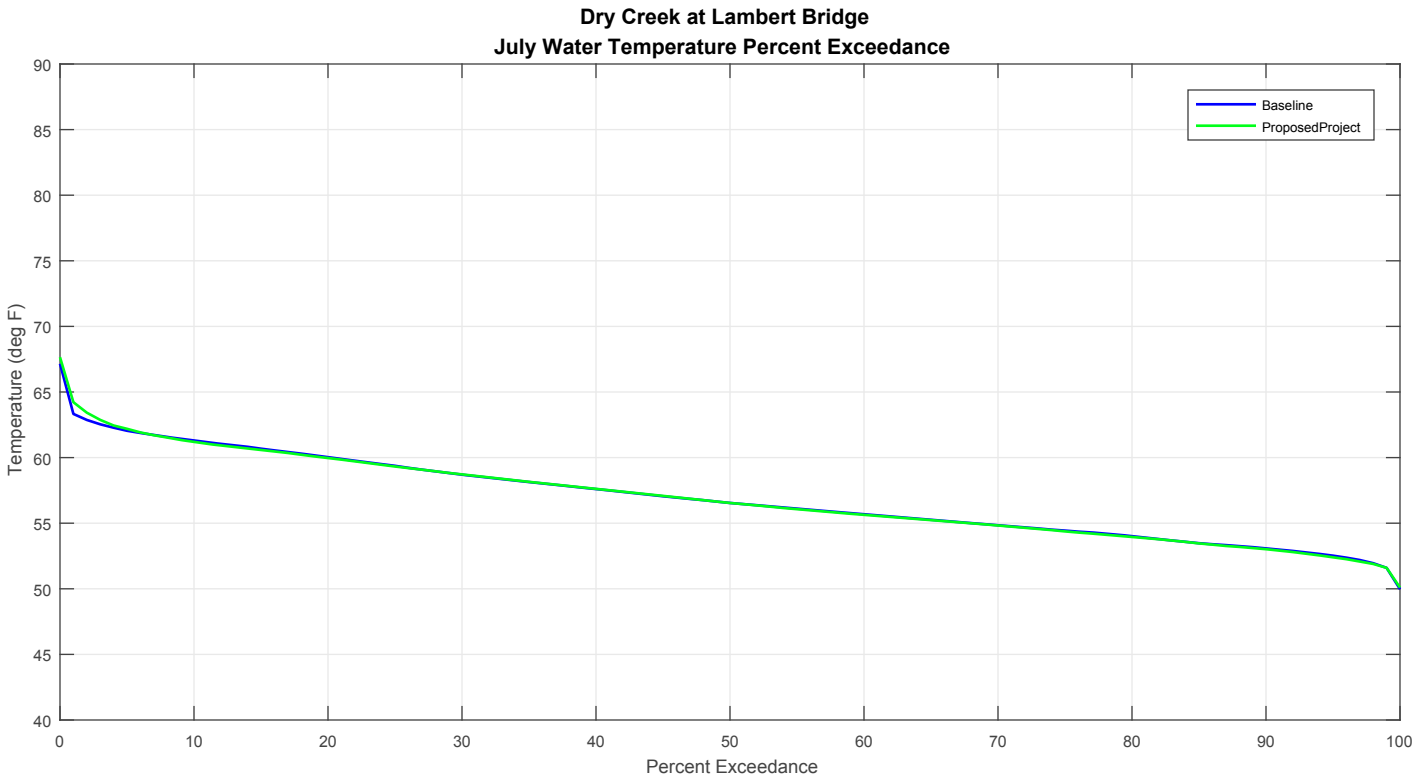
Dry Creek at Lambert Bridge
July Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
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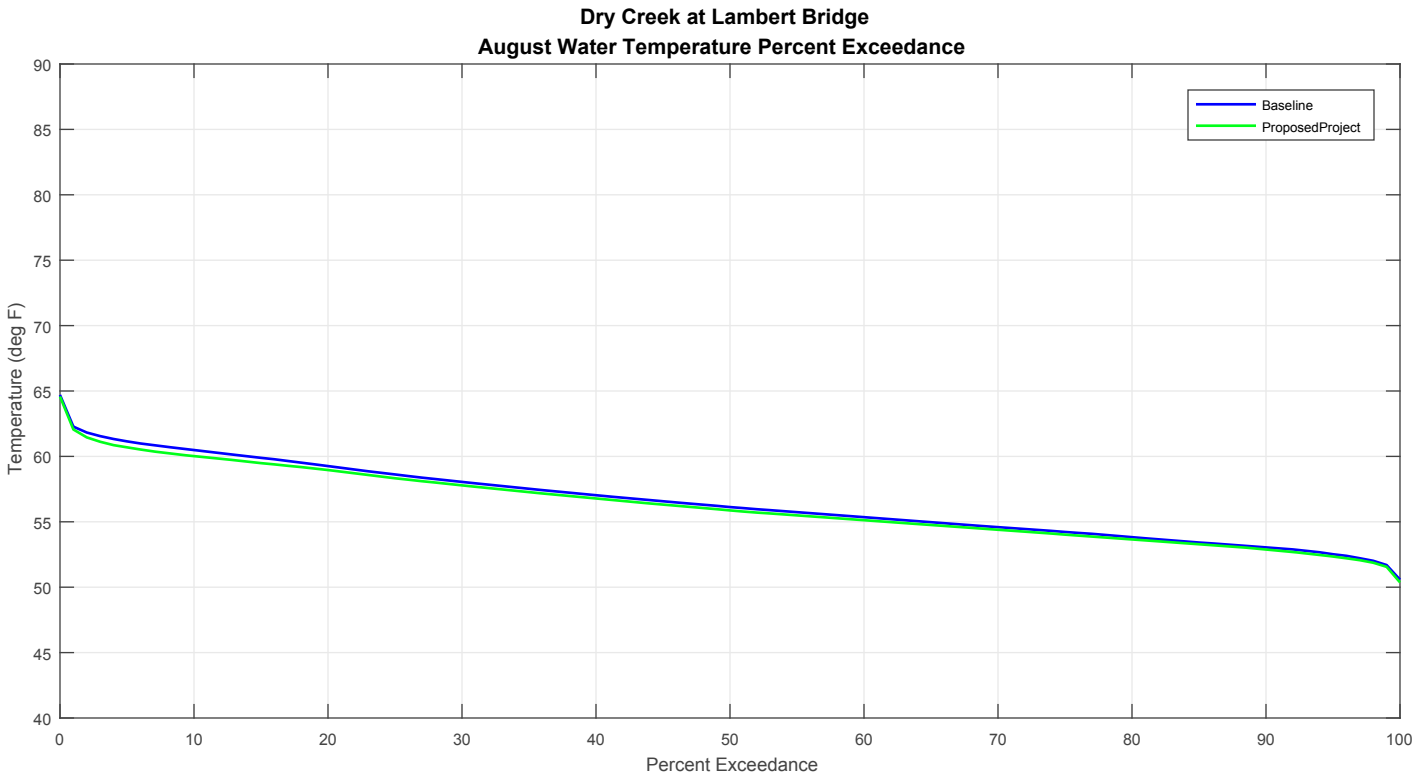
Dry Creek at Lambert Bridge
August Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
90
85
80
75
70
65
60
55
50
45
40
0
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30
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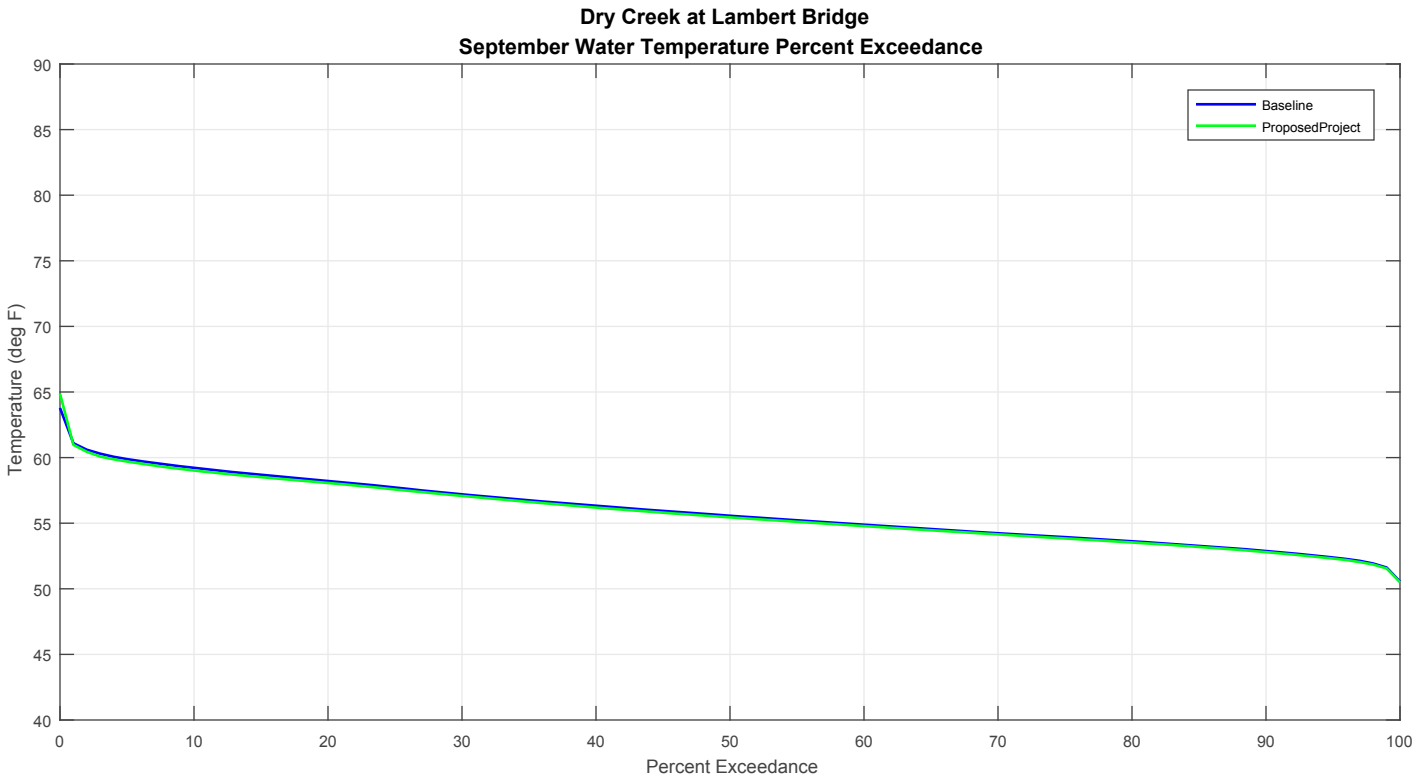
80
90
100


Dry Creek at Lambert Bridge
September Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
90
85
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75
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60
55
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40
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90
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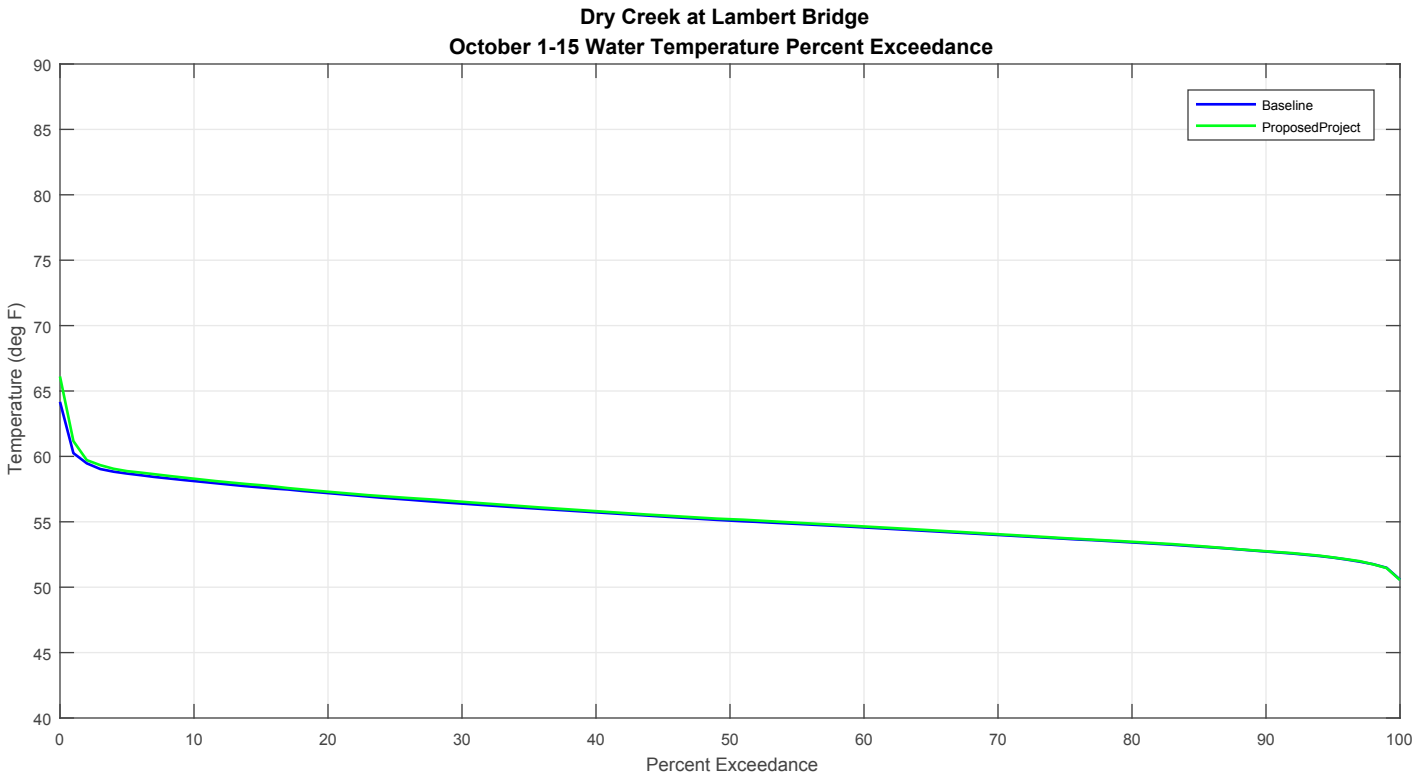
Dry Creek at Lambert Bridge
October 1-15 Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
90
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75
70
65
60
55
50
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40
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30
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90
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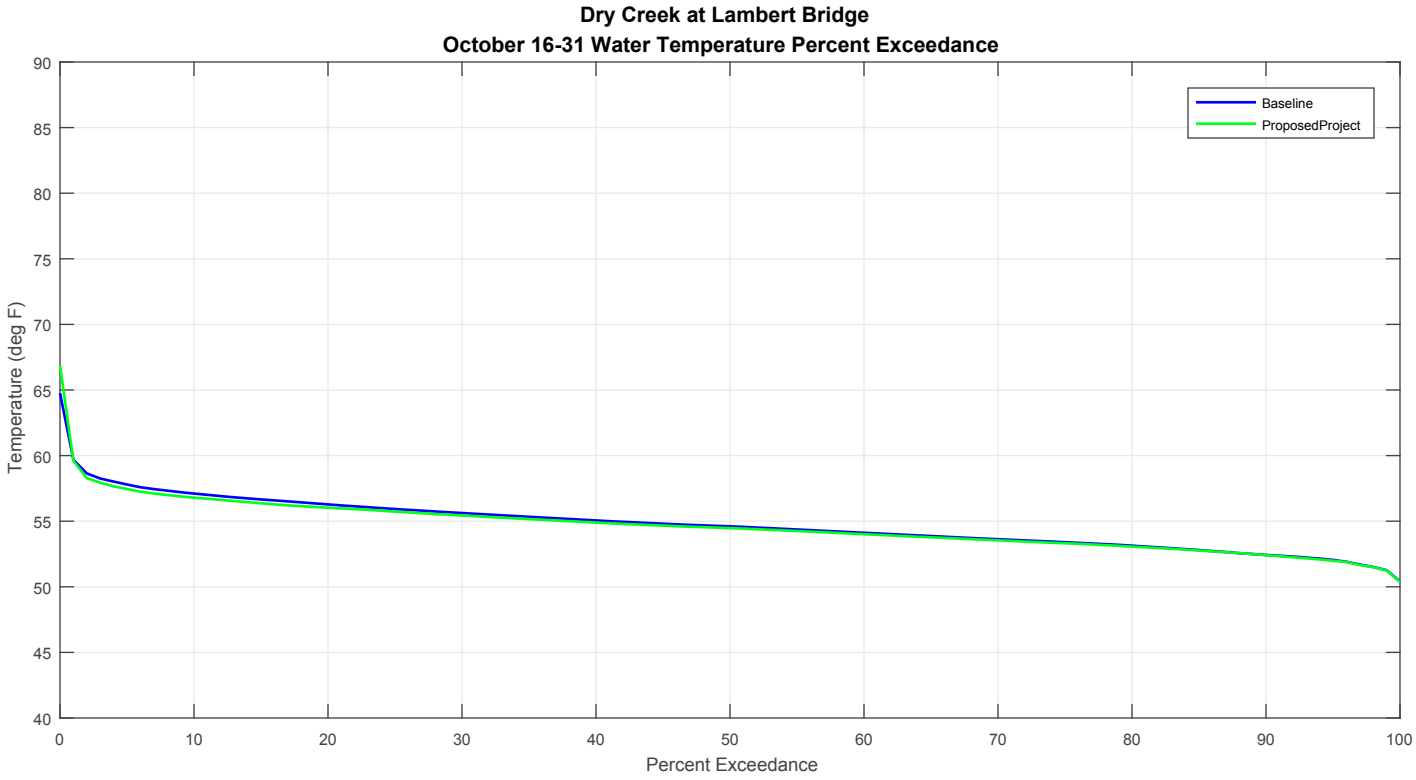
Dry Creek at Lambert Bridge
October 16-31 Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
90
85
80
75
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60
55
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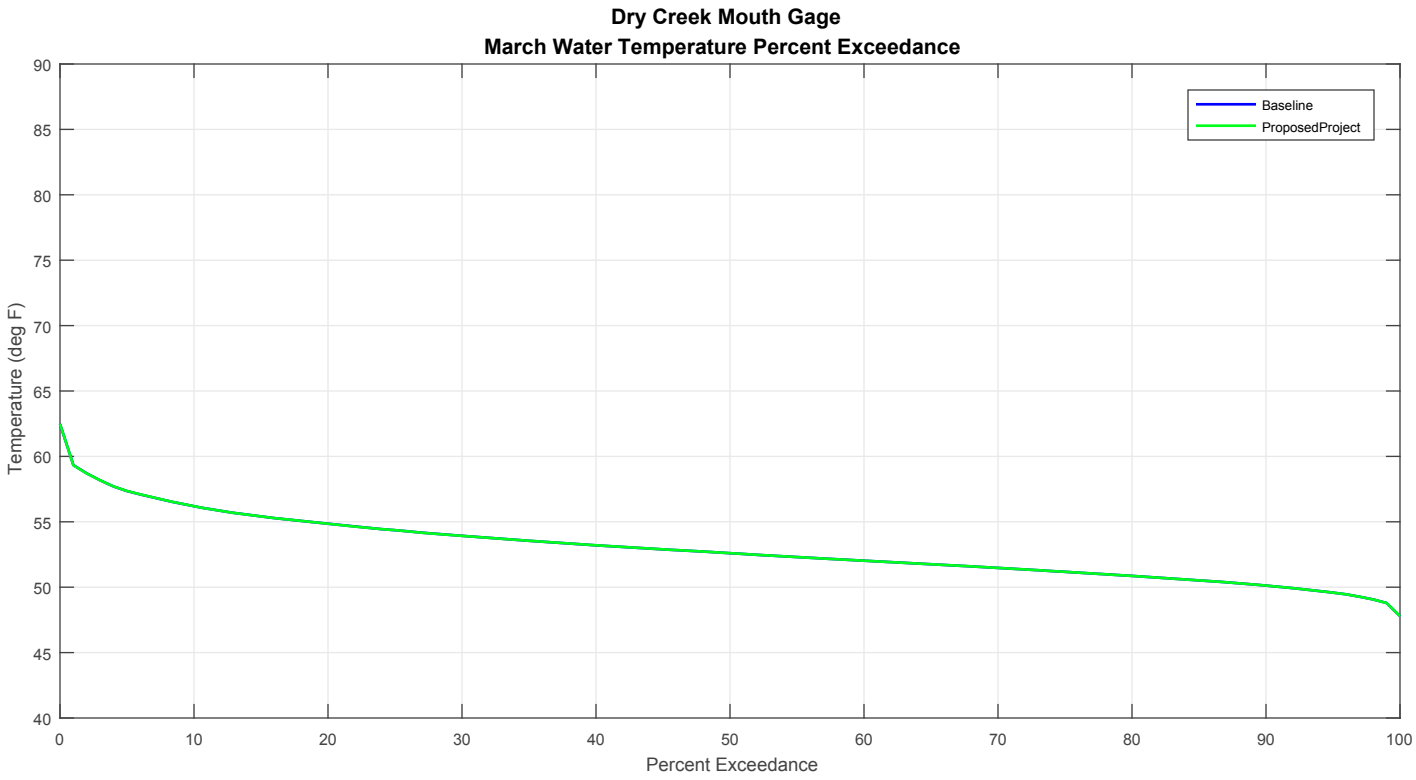
Dry Creek Mouth Gage
March Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
90
85
80
75
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60
55
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40
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90
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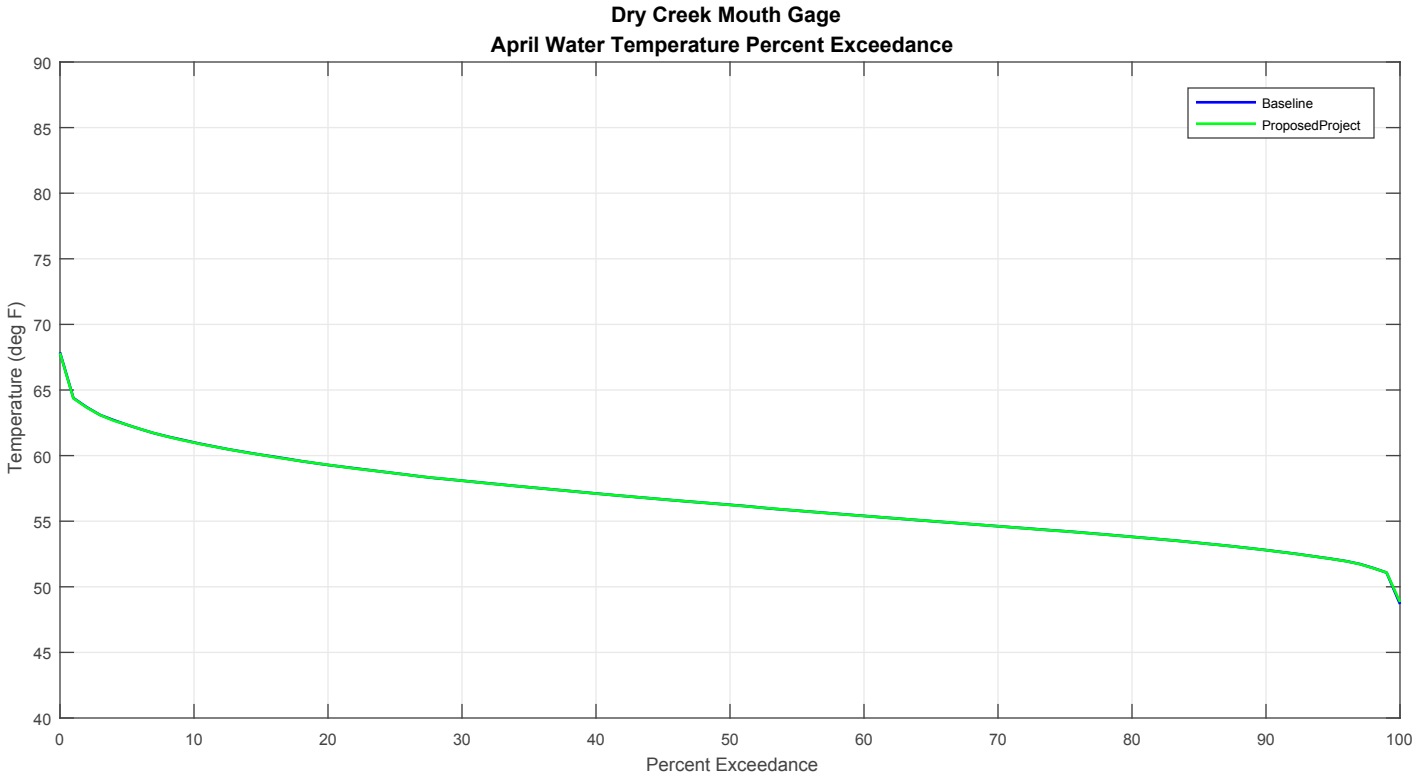
Dry Creek Mouth Gage
April Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
90
85
80
75
70
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60
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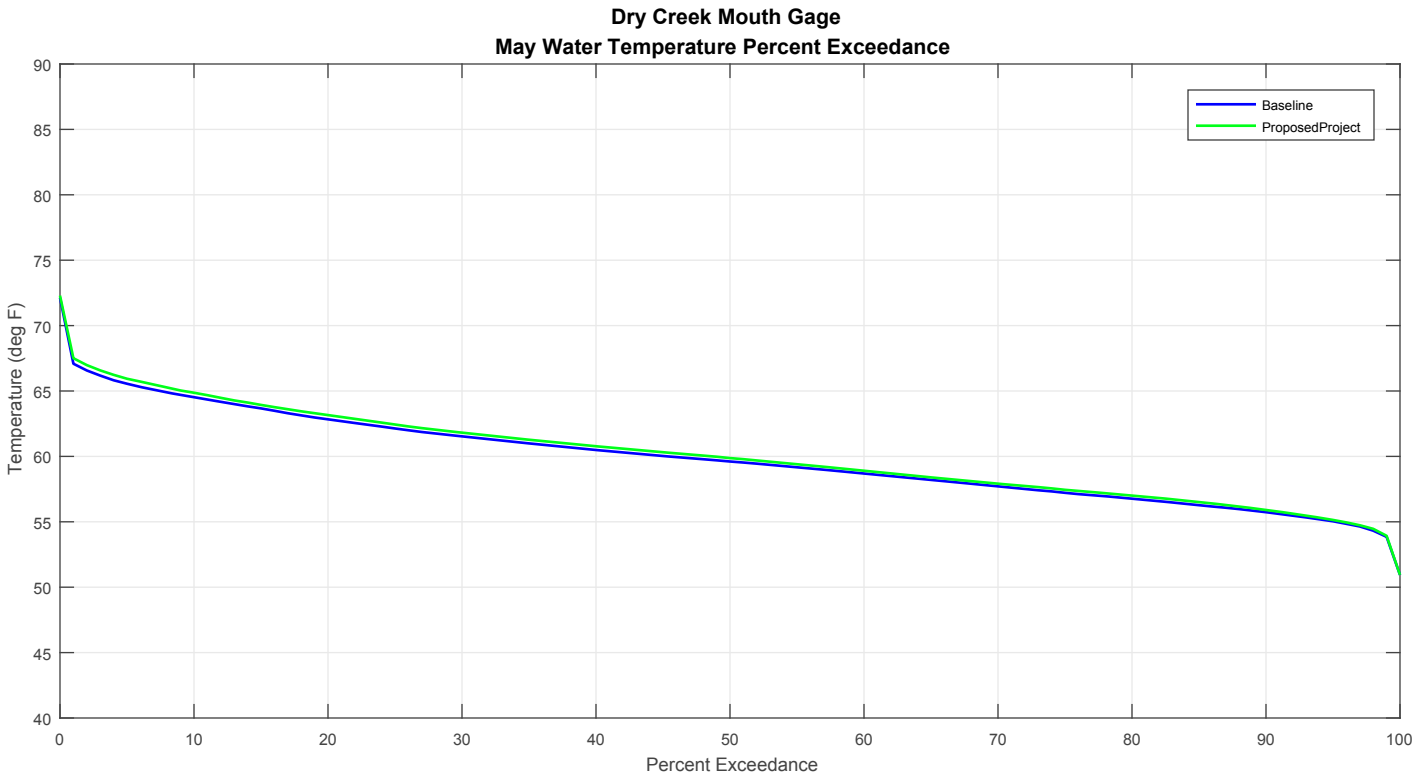
Dry Creek Mouth Gage
May Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
90
85
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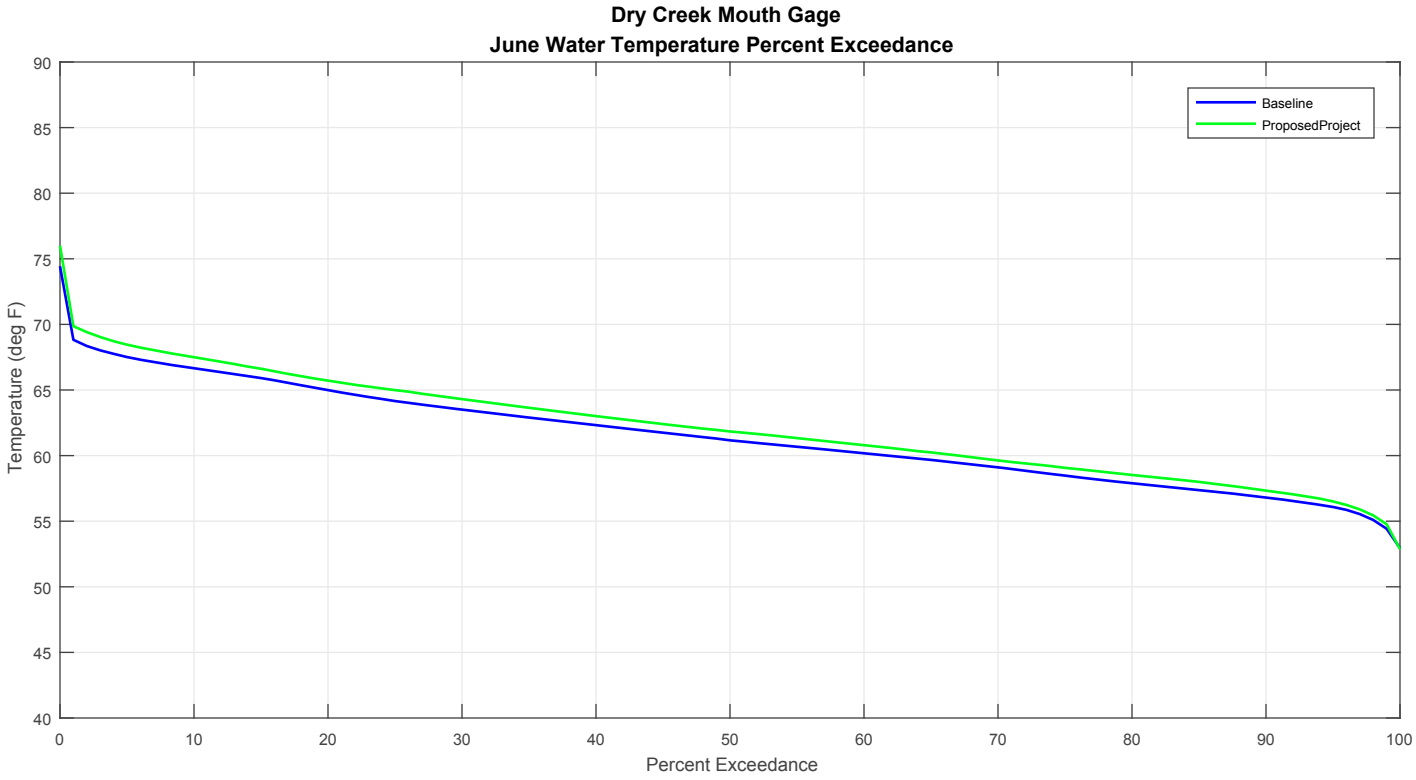
Dry Creek Mouth Gage
June Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
90
85
80
75
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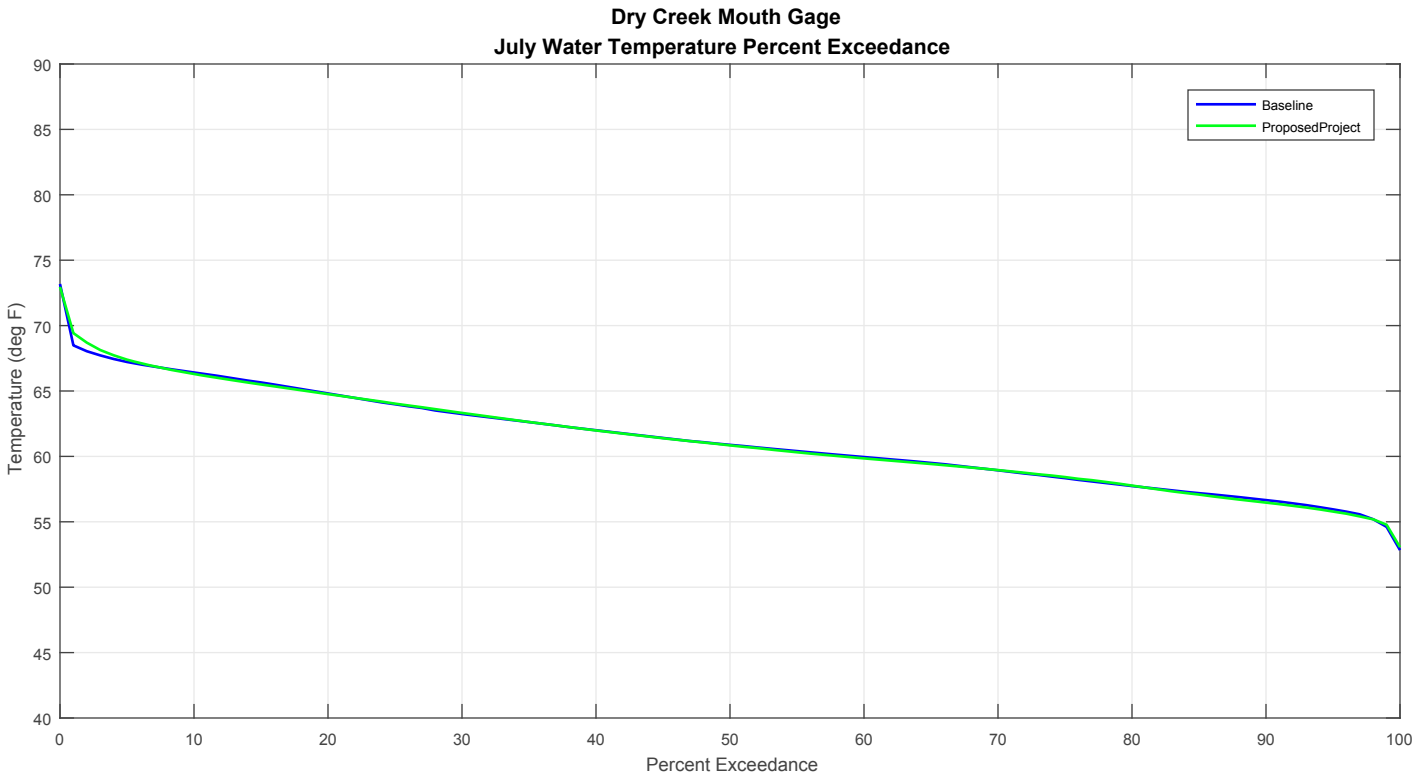
Dry Creek Mouth Gage
July Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
90
85
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75
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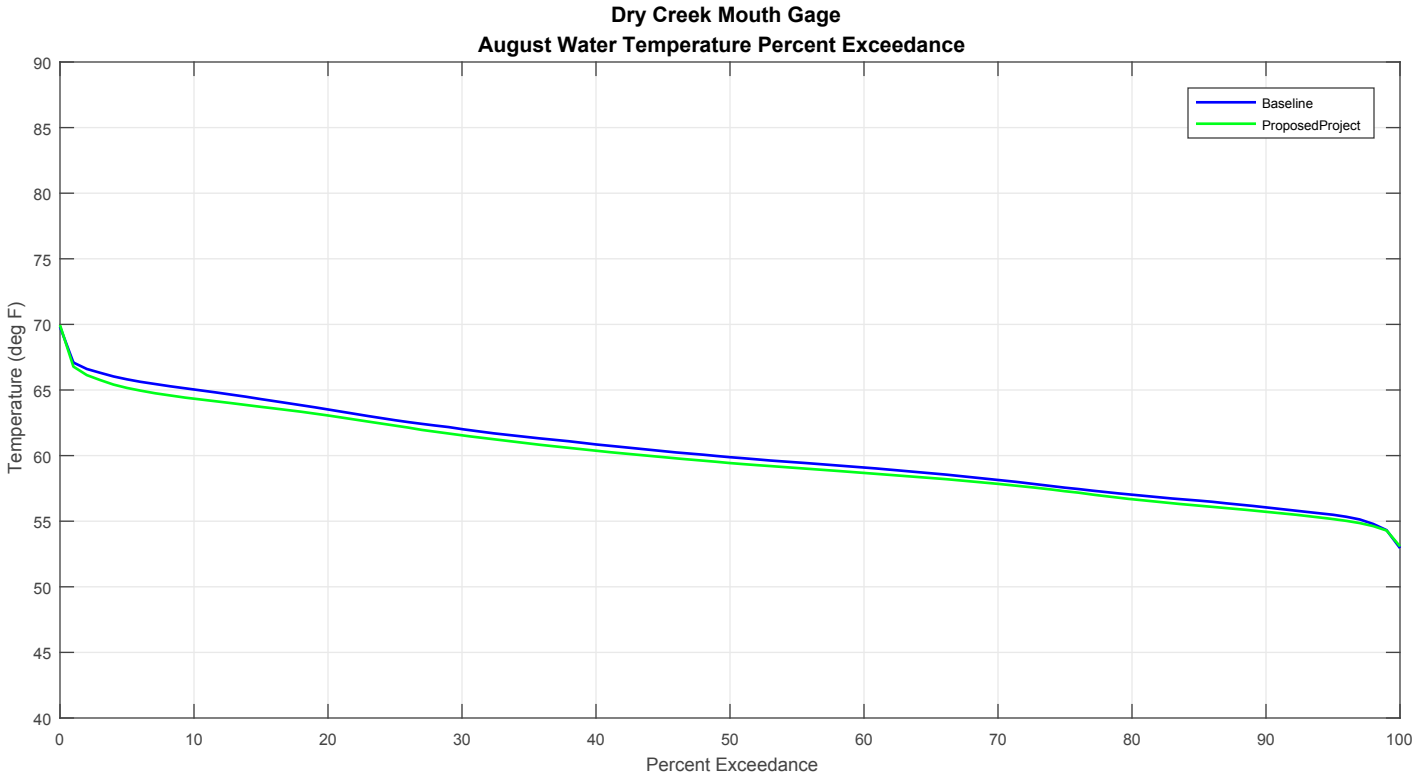
Dry Creek Mouth Gage
August Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
90
85
80
75
70
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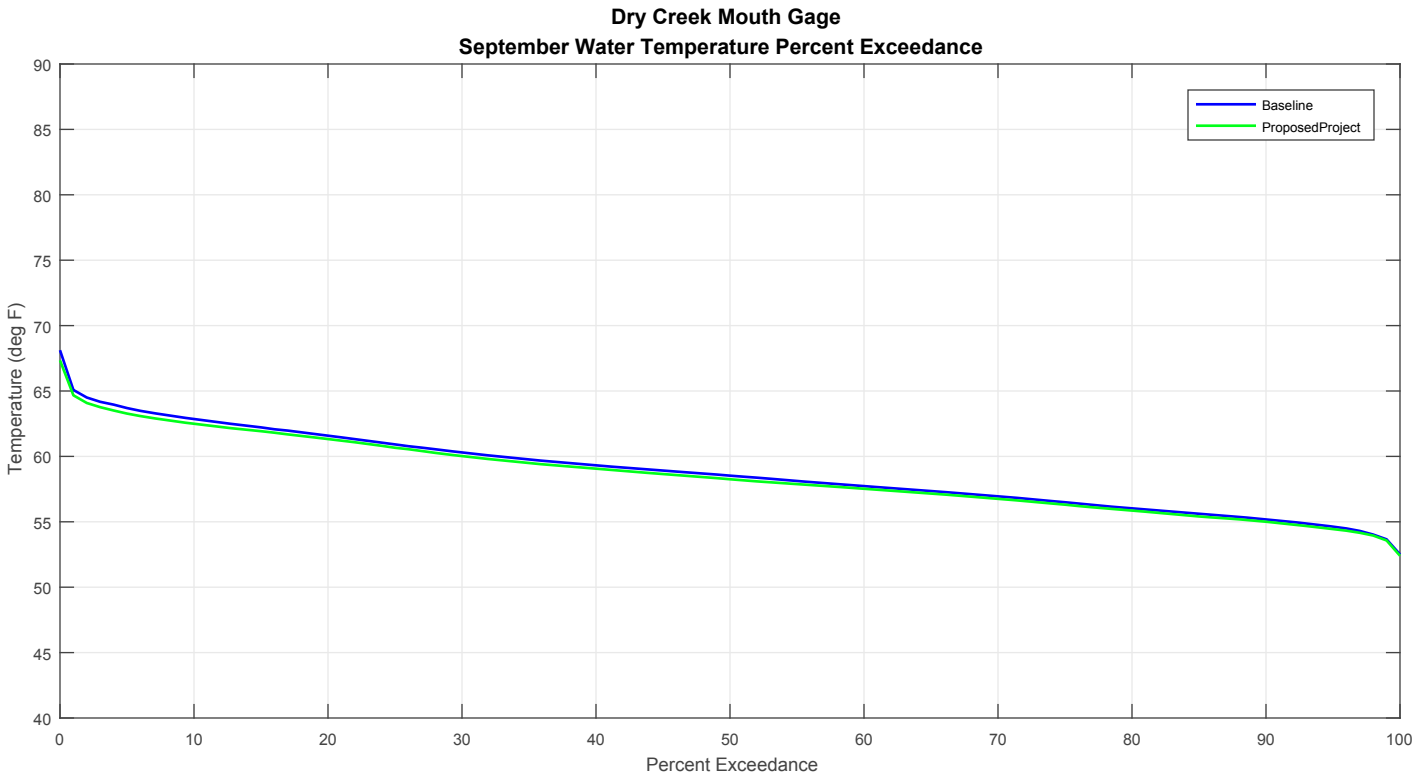
Dry Creek Mouth Gage
September Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
90
85
80
75
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90
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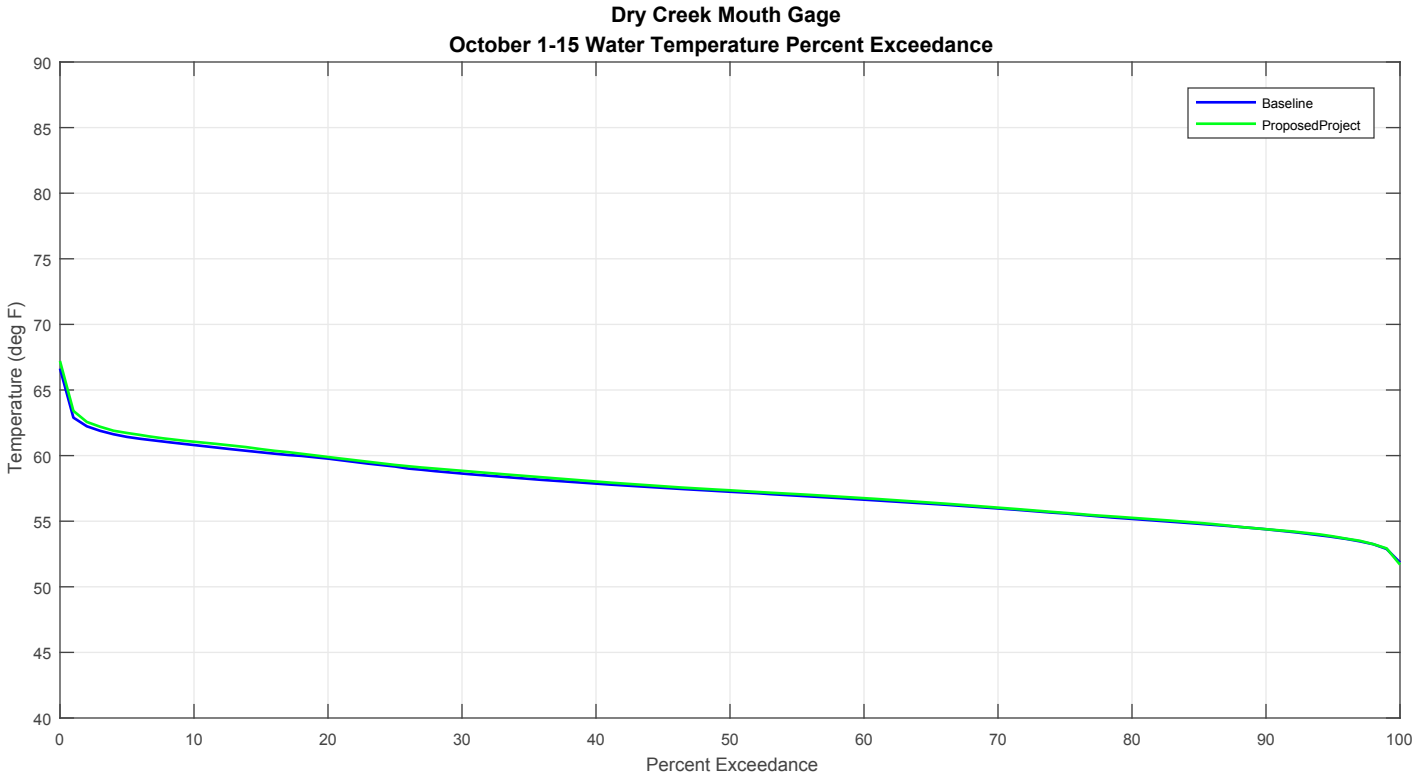
Dry Creek Mouth Gage
October 1-15 Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
90
85
80
75
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0
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30
40
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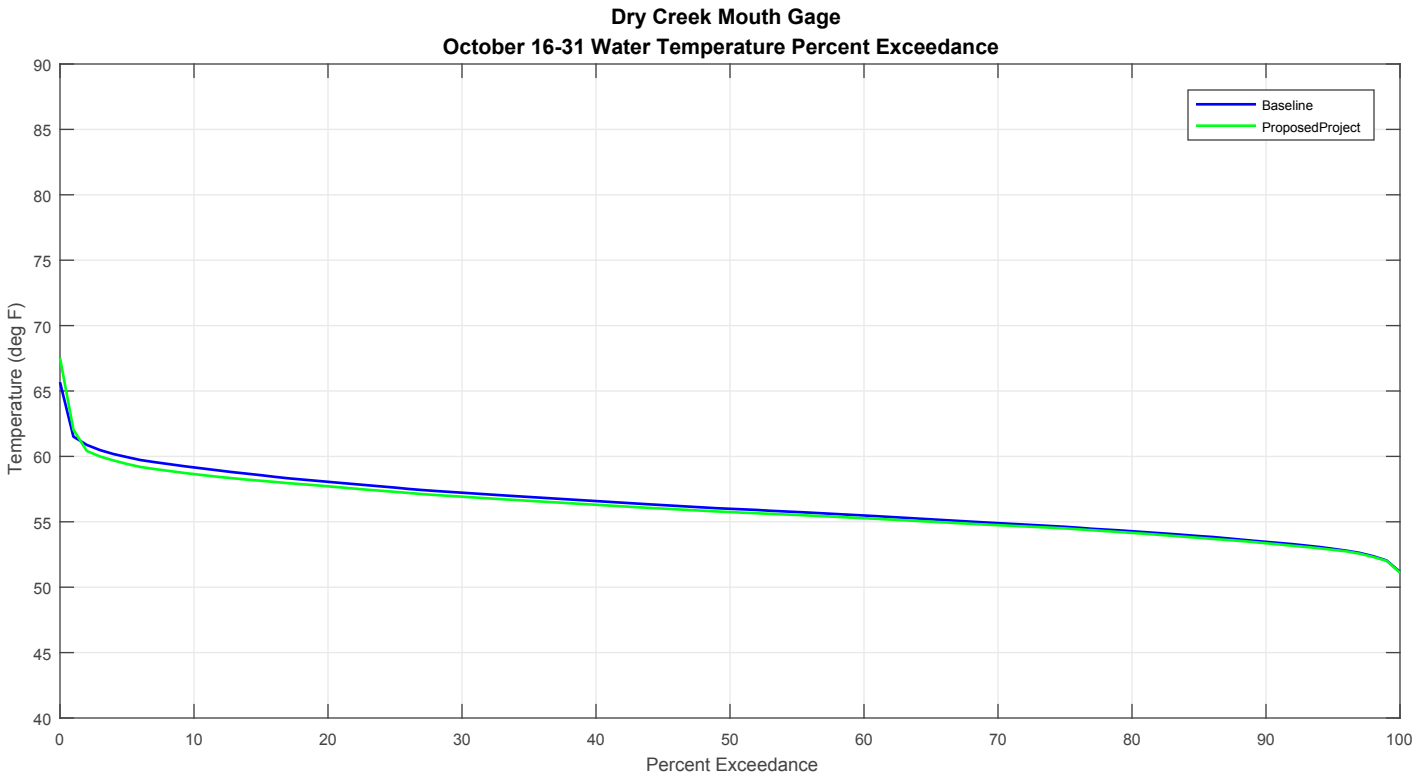
90
100


Dry Creek Mouth Gage
October 16-31 Water Temperature Percent Exceedance
Baseline
ProposedProject
Temperature (deg F)
Percent Exceedance
90
85
80
75
70
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90
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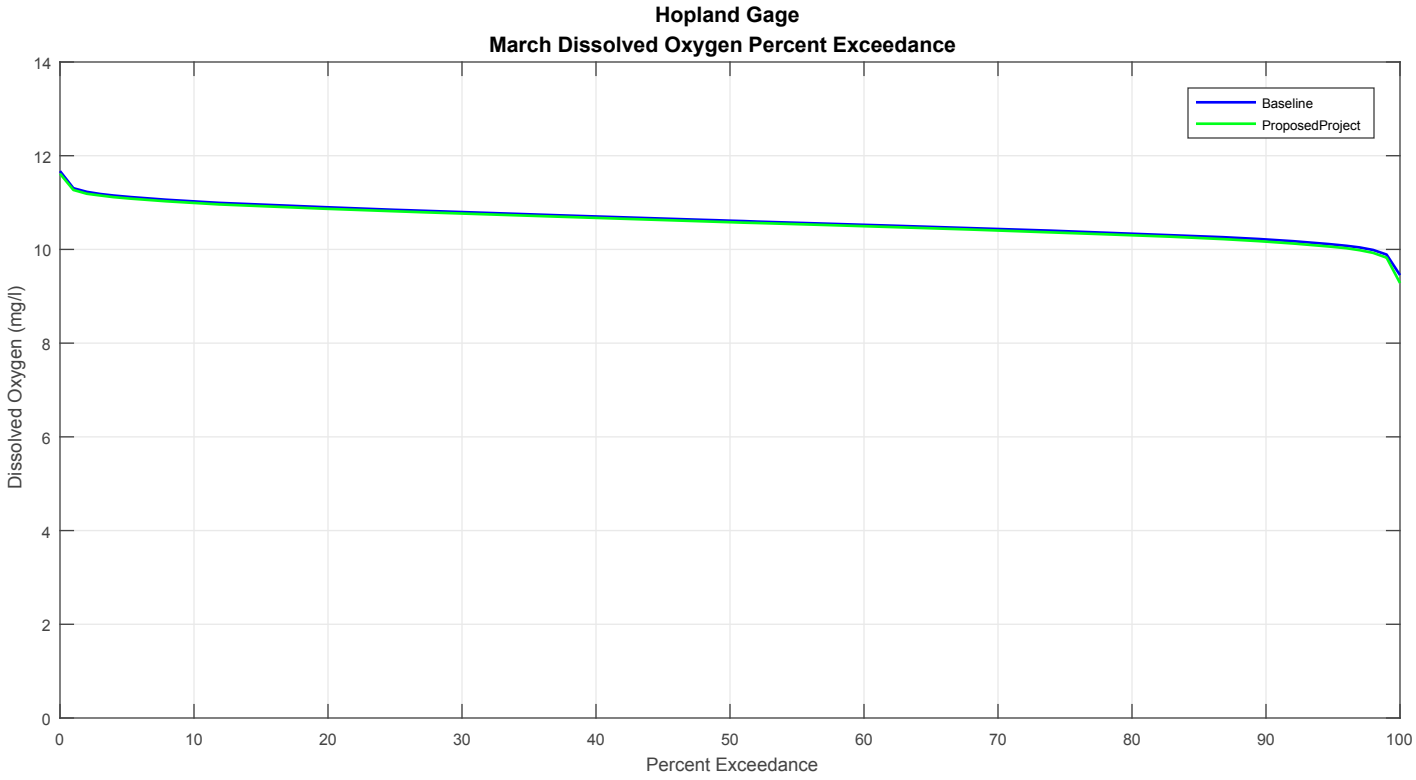
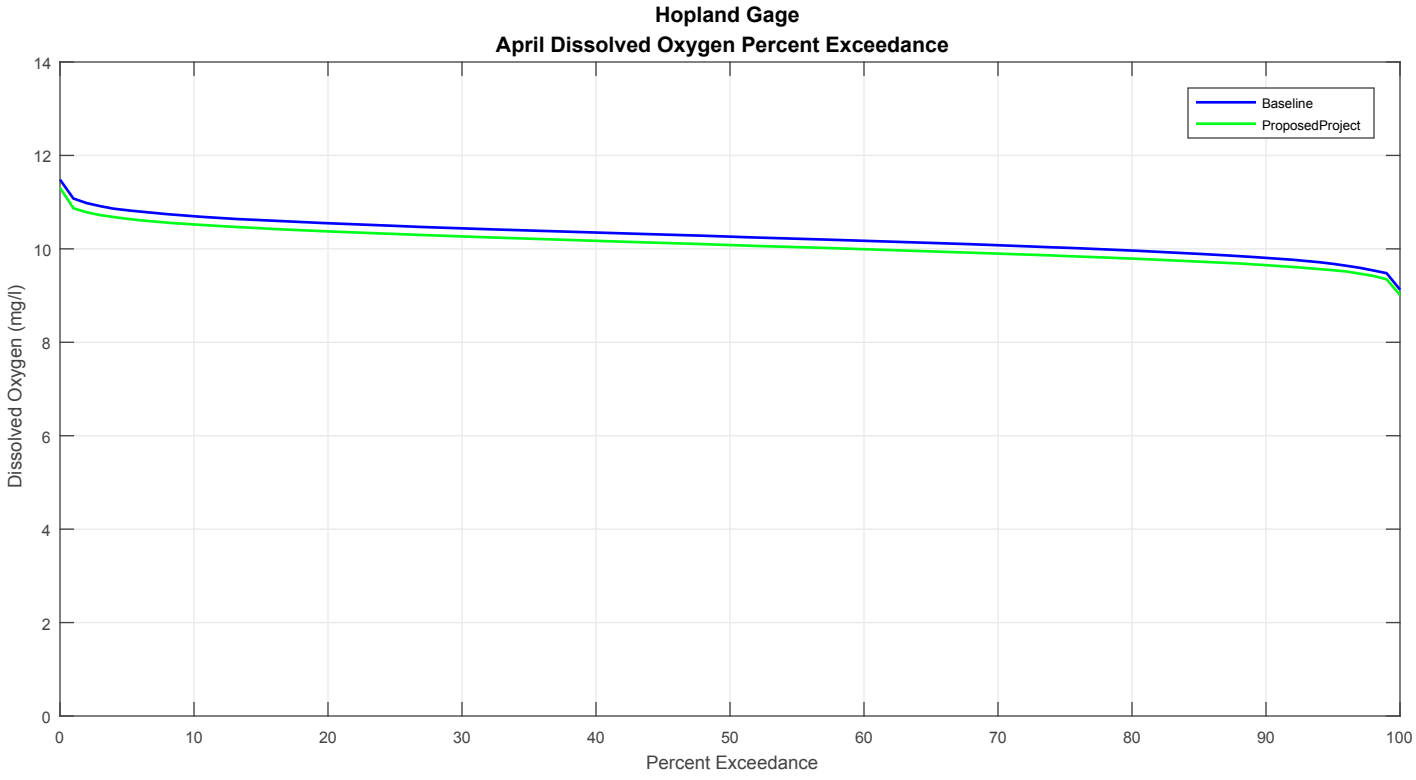
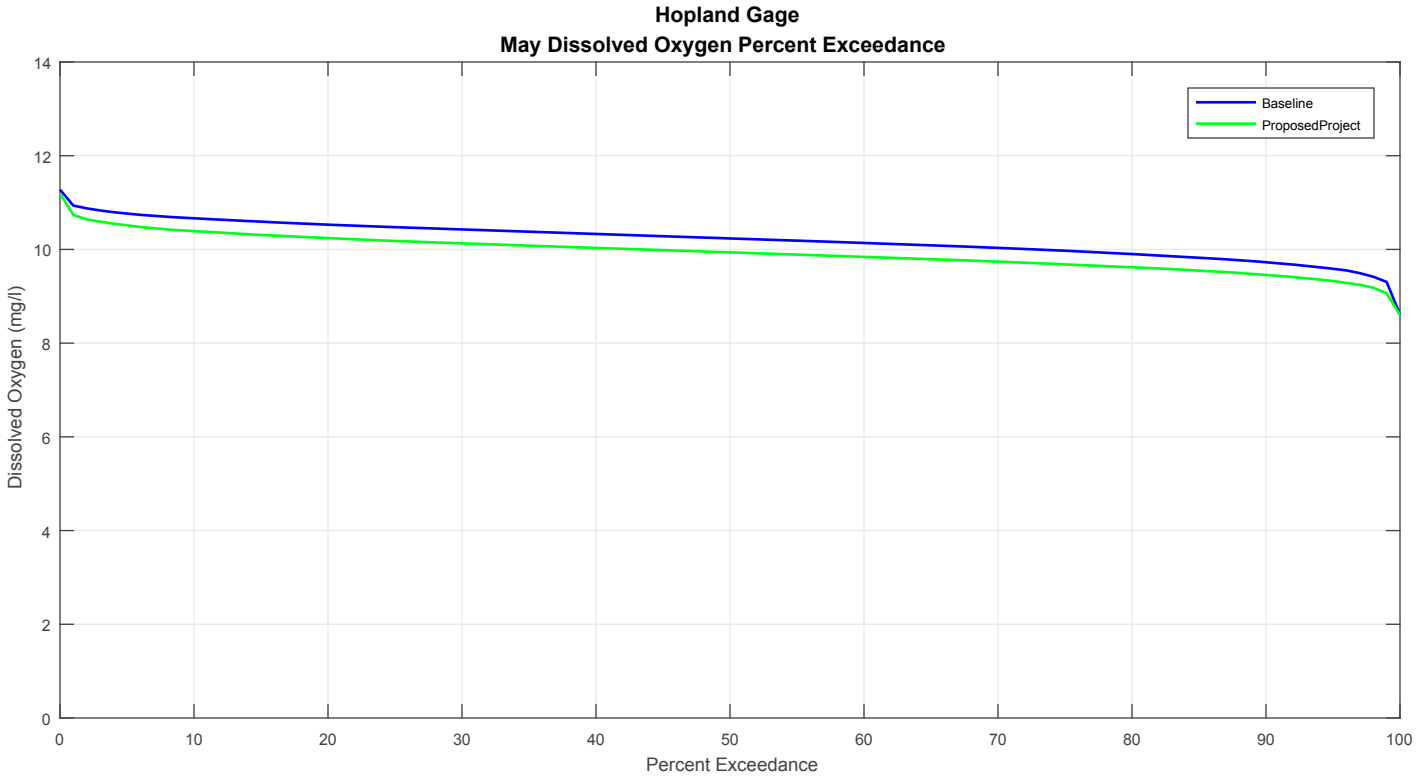

Hopland Gage
March Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
14
0
10
20
30
40
50
60
70
80
90
100


Hopland Gage
April Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
14
0
10
20
30
40
50
60
70
80
90
100


Hopland Gage
May Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
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10
12
14
0
10
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30
40
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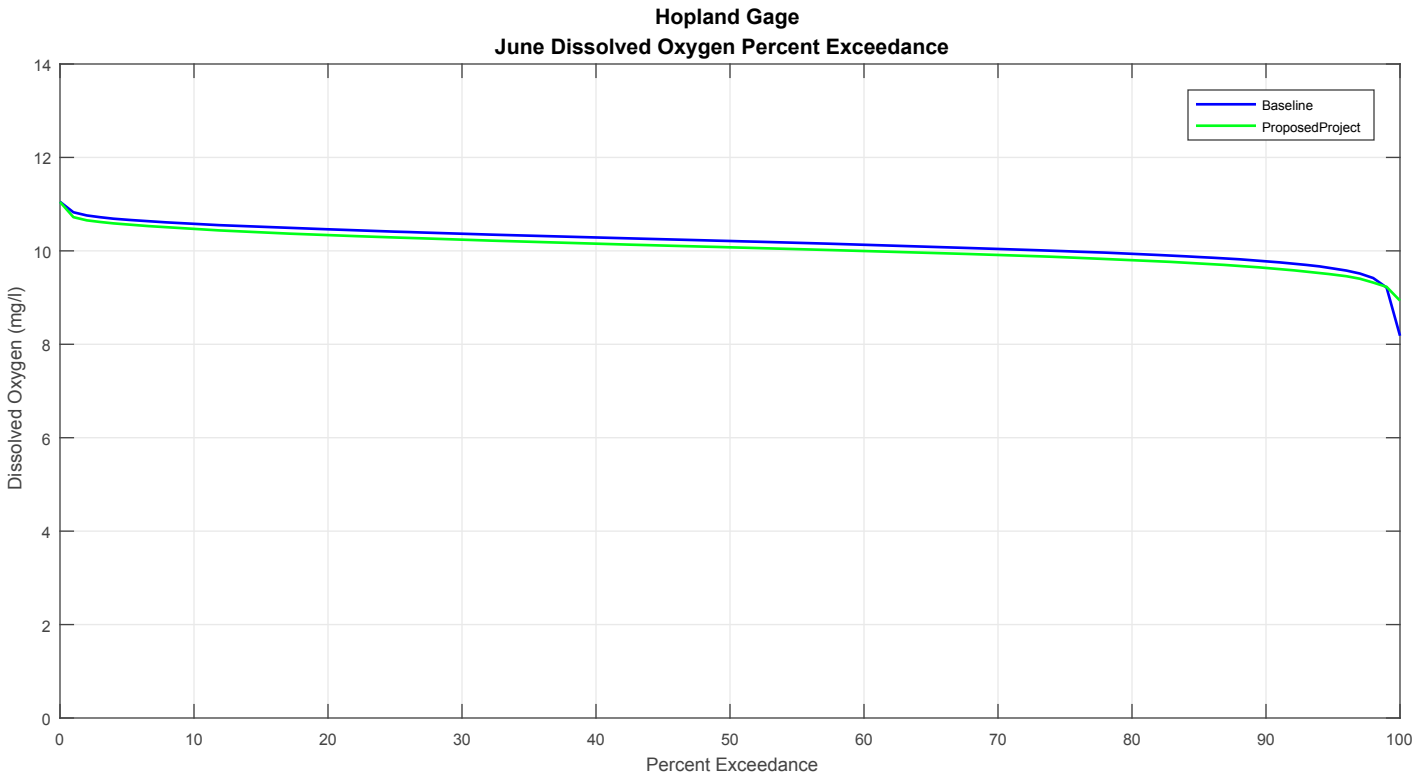
90
100


Hopland Gage
June Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
14
0
10
20
30
40
50
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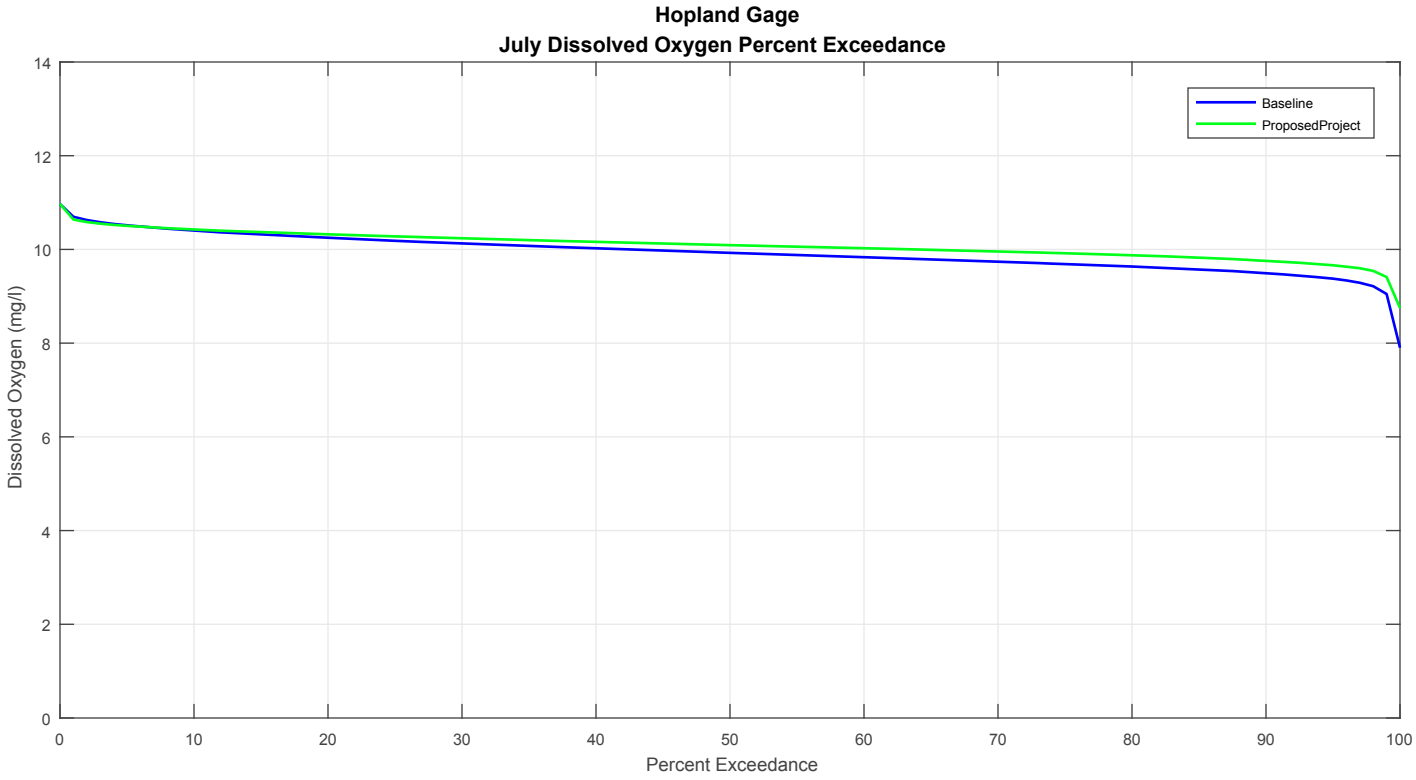
70
80
90
100


Hopland Gage
July Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
14
0
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20
30
40
50
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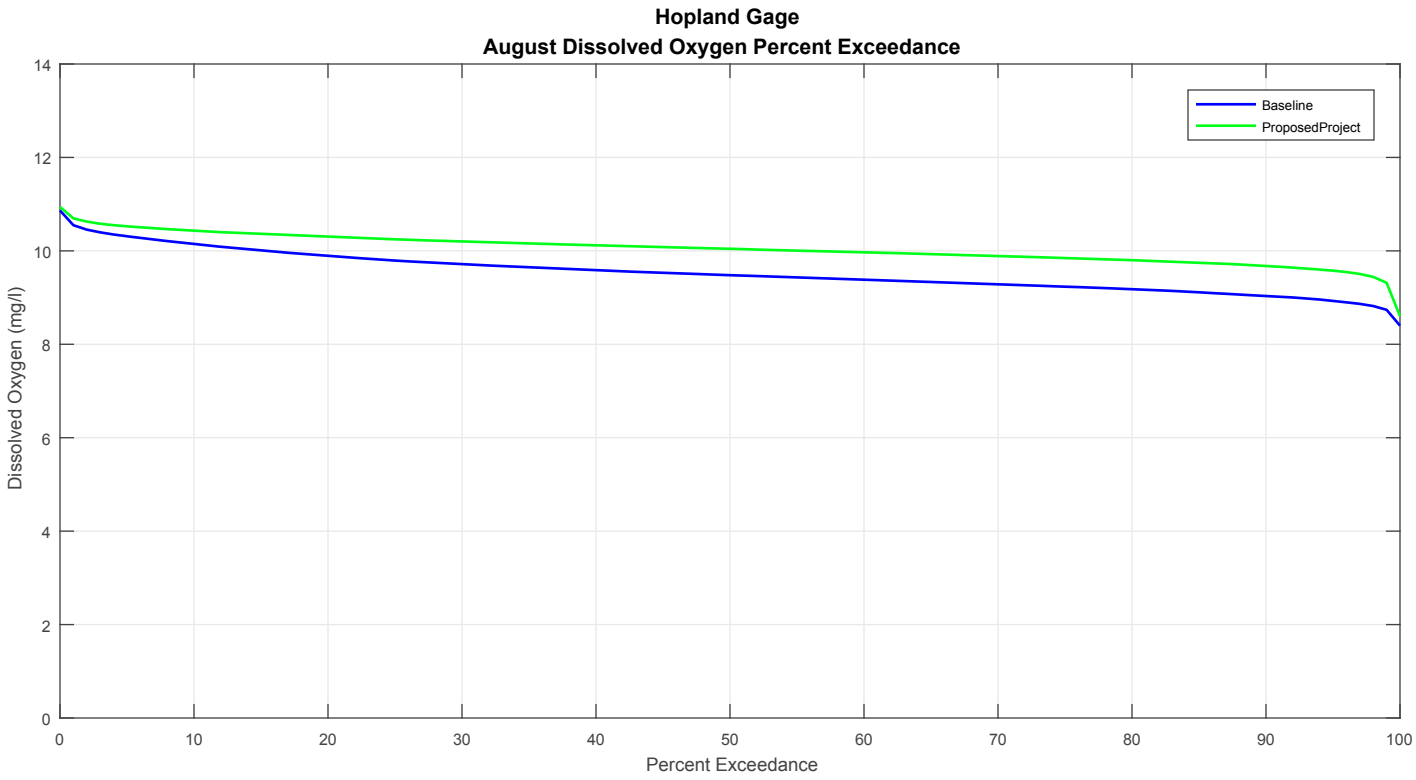
70
80
90
100


Hopland Gage
August Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
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6
8
10
12
14
0
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40
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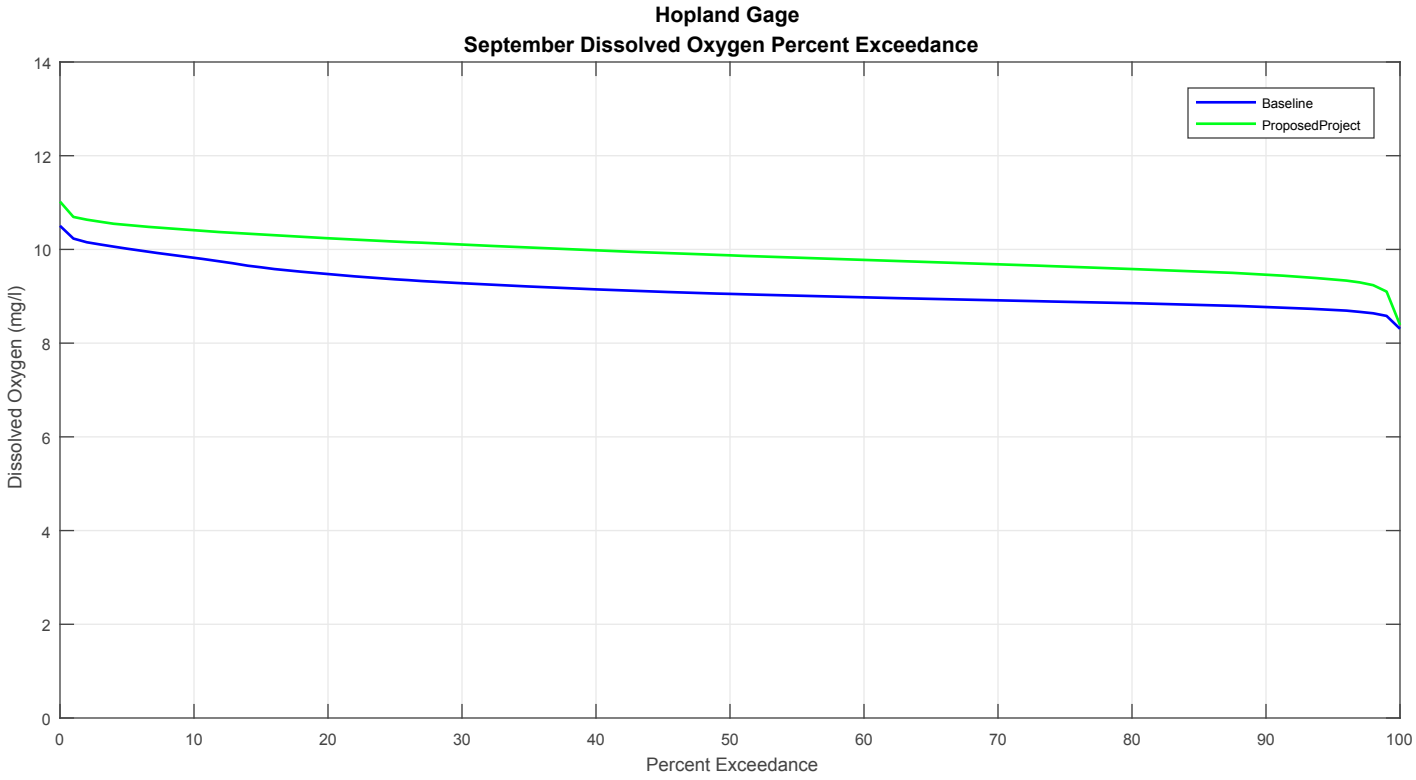
70
80
90
100


Hopland Gage
September Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
14
0
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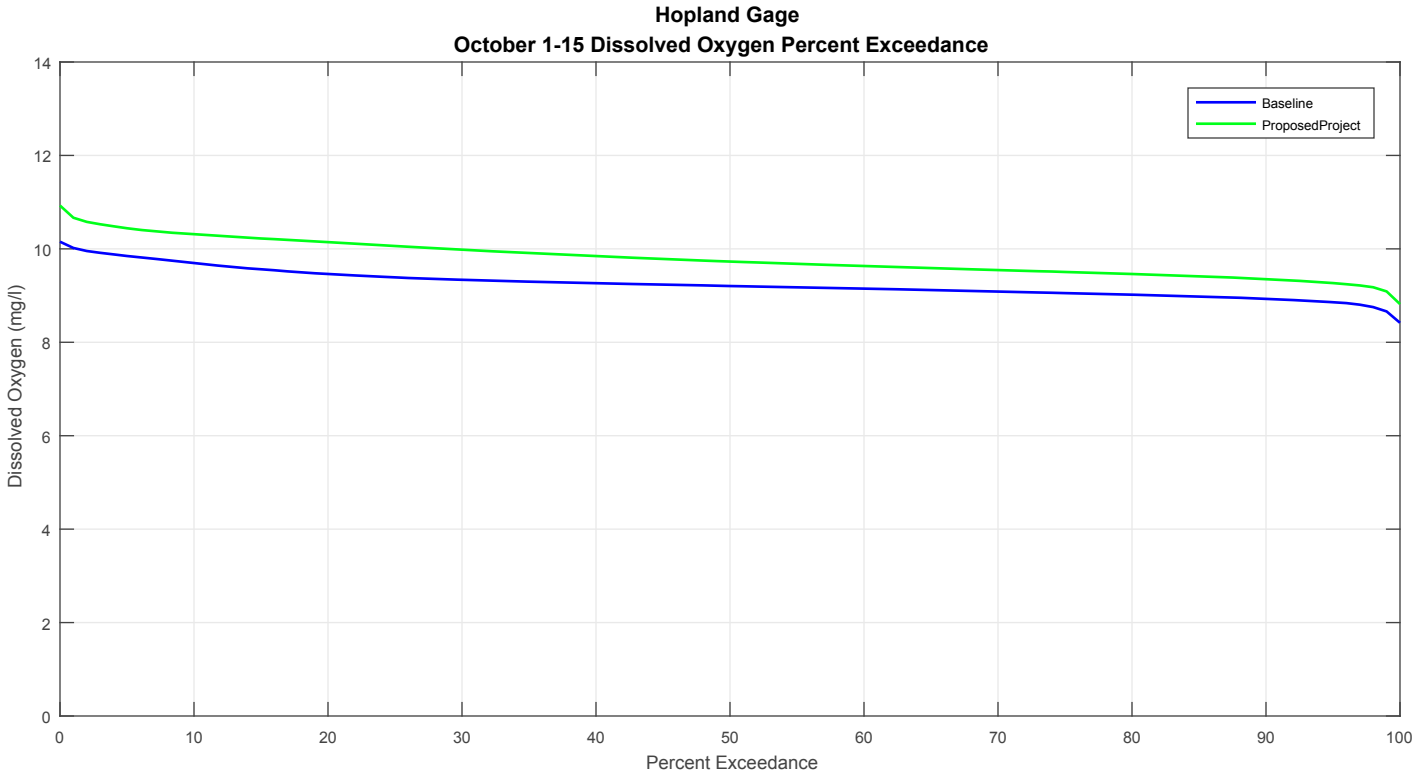
90
100


Hopland Gage
October 1-15 Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
14
0
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30
40
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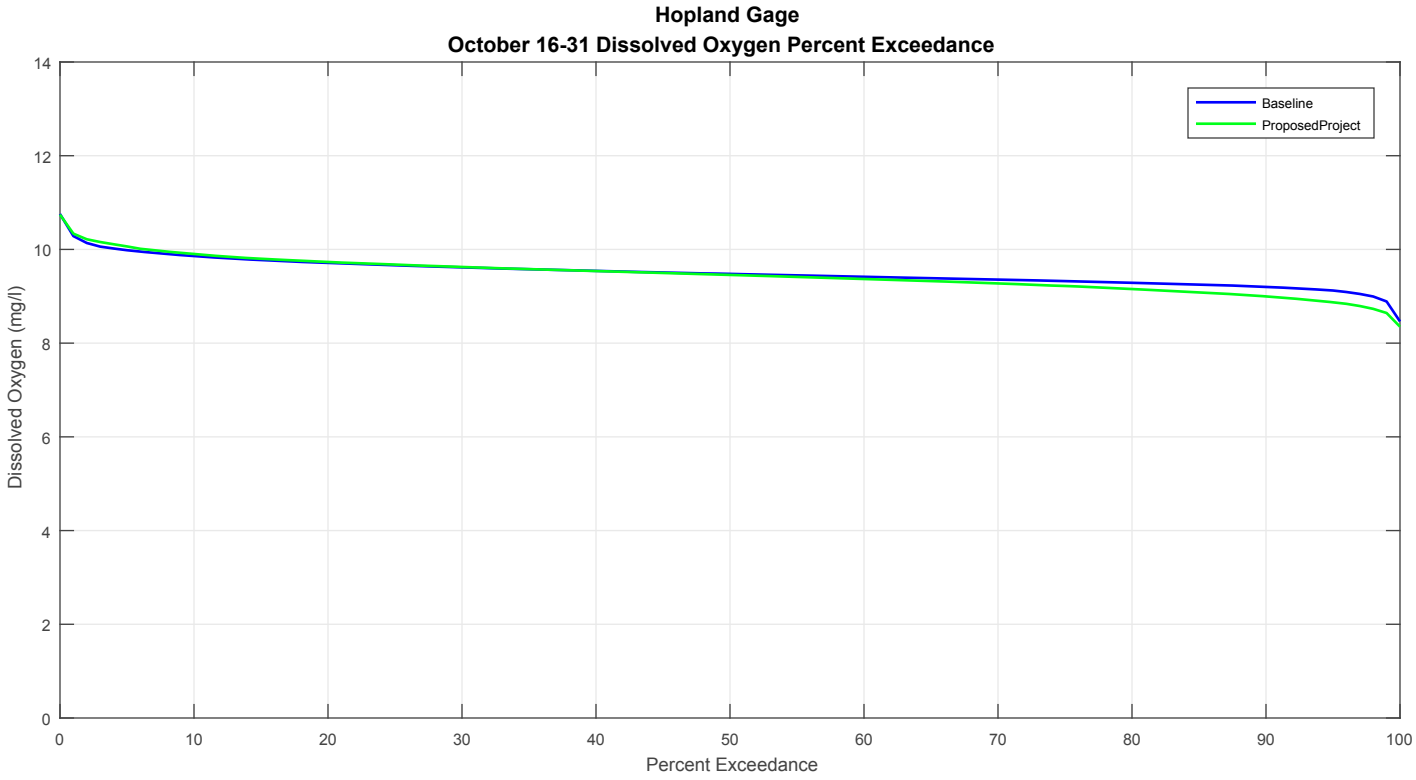
Hopland Gage
October 16-31 Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
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6
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14
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30
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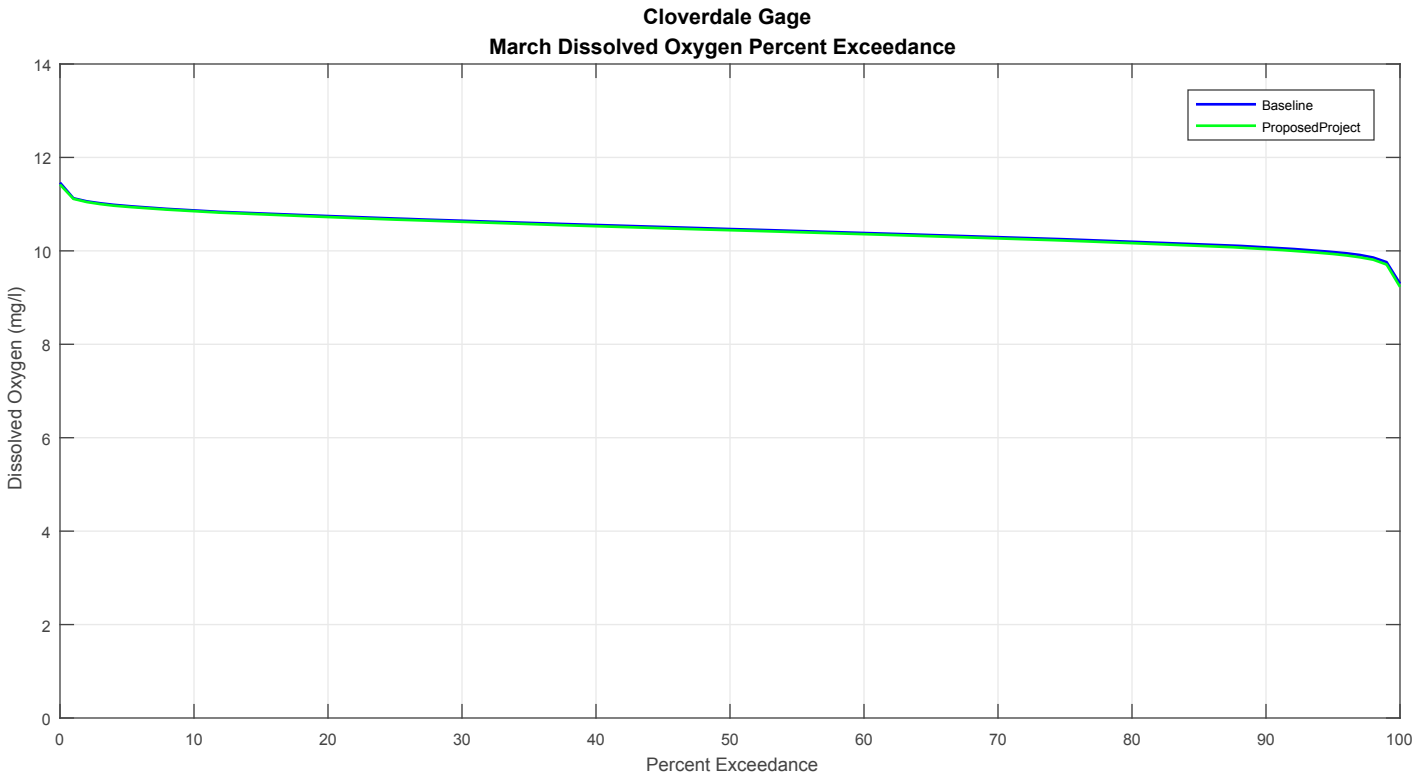
Cloverdale Gage
March Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
0
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8
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12
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30
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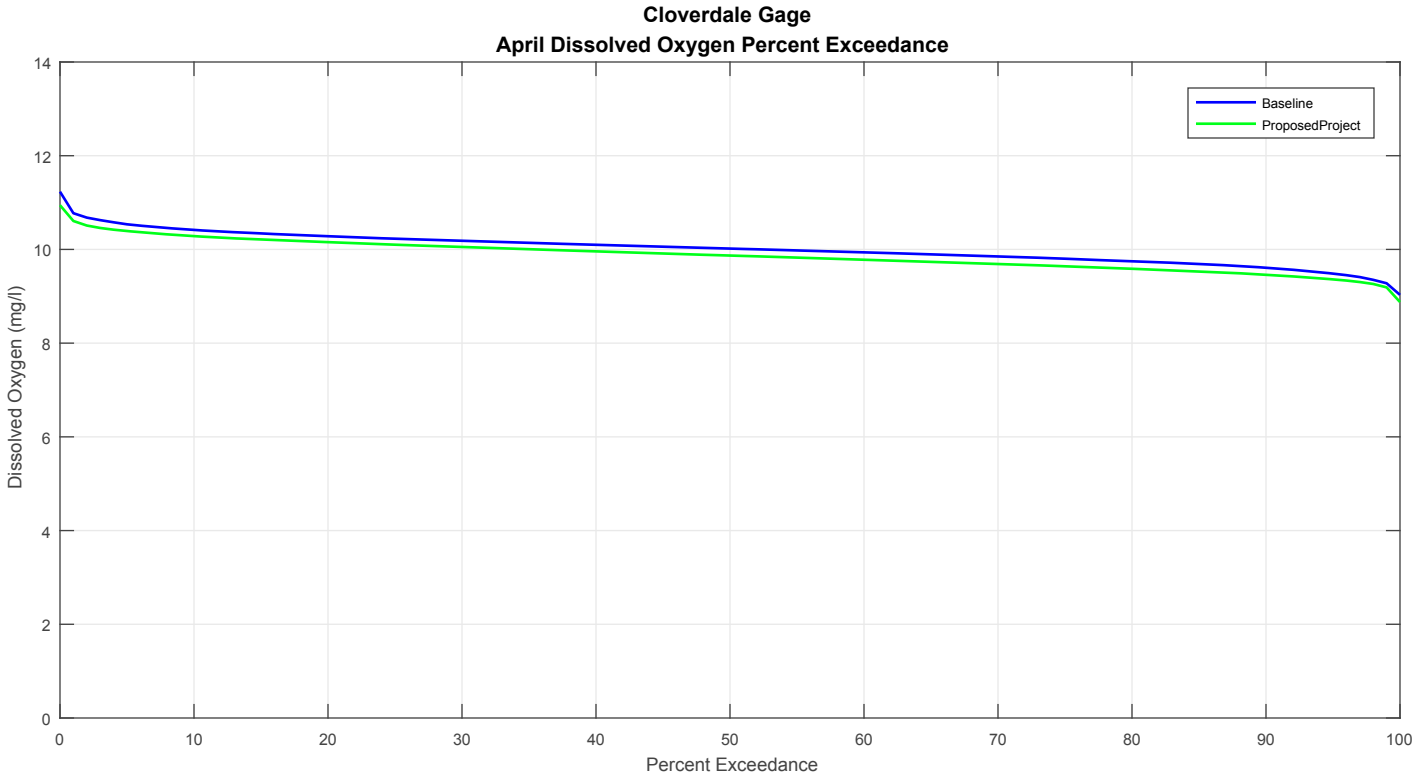
Cloverdale Gage
April Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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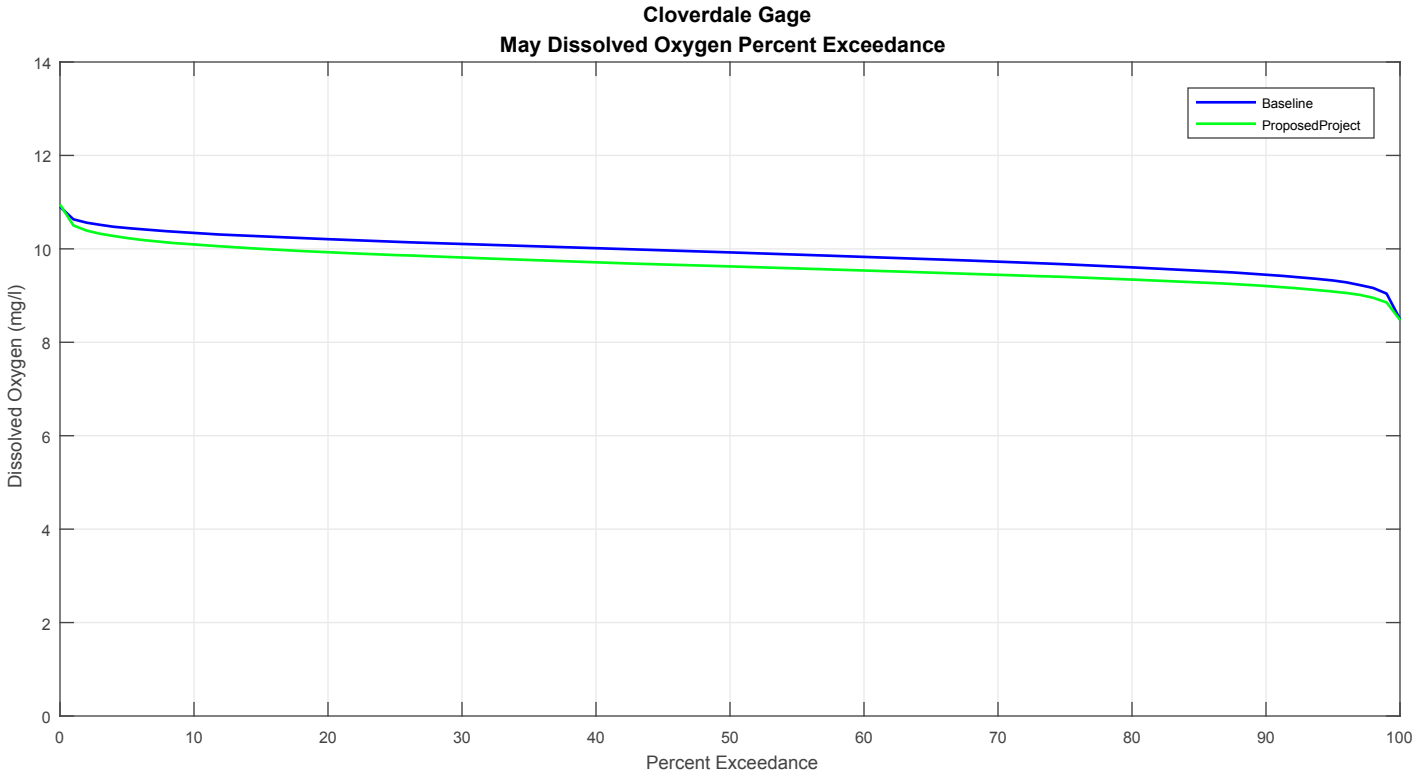
Cloverdale Gage
May Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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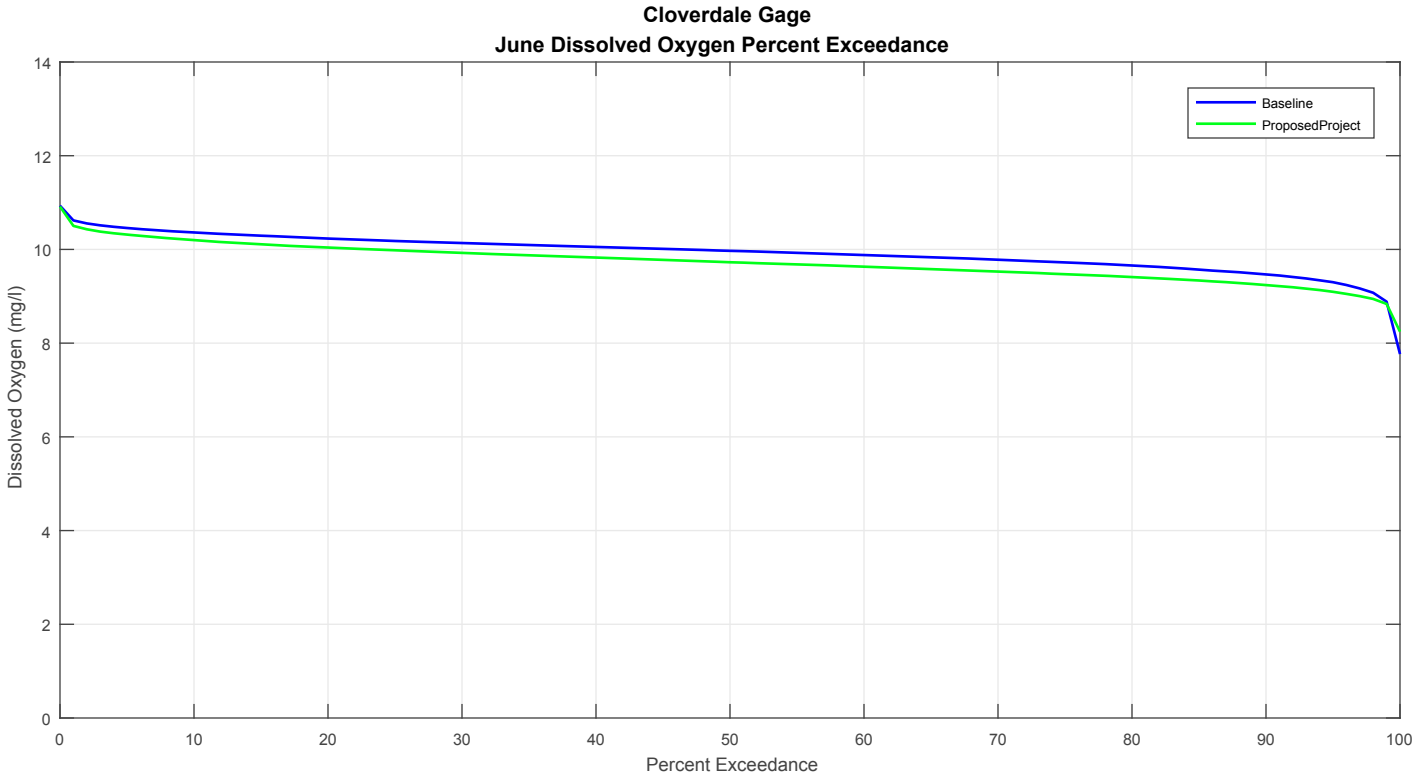
Cloverdale Gage
June Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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6
8
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12
14
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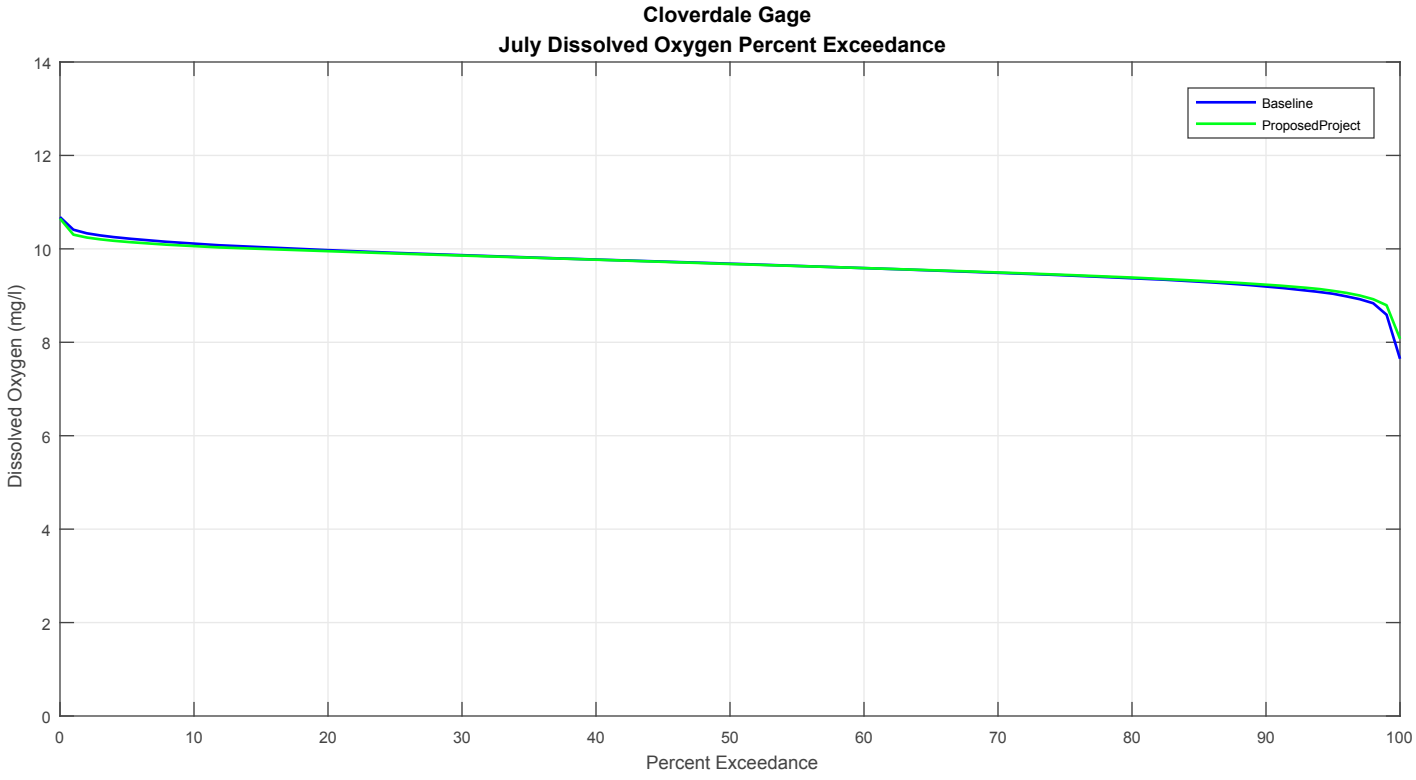
Cloverdale Gage
July Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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6
8
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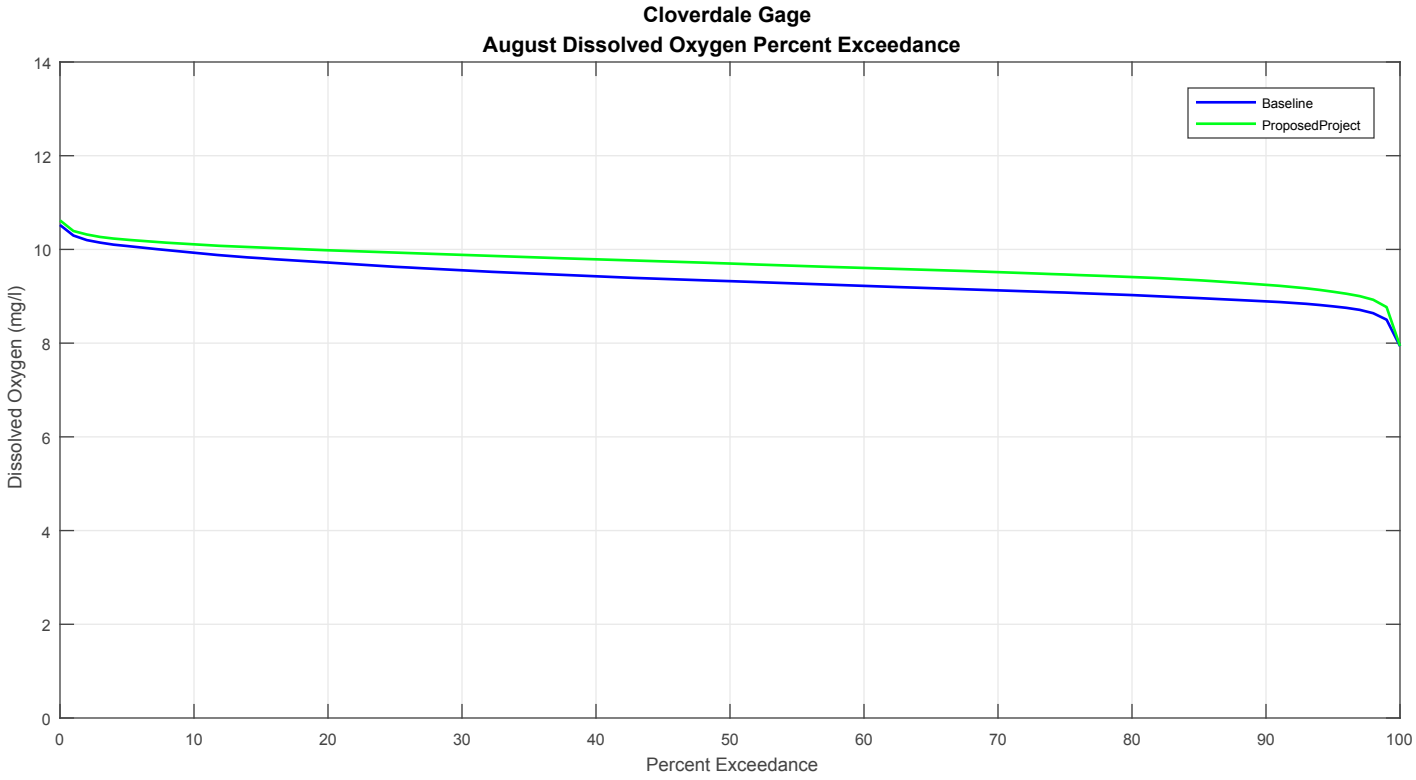
Cloverdale Gage
August Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
0
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6
8
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12
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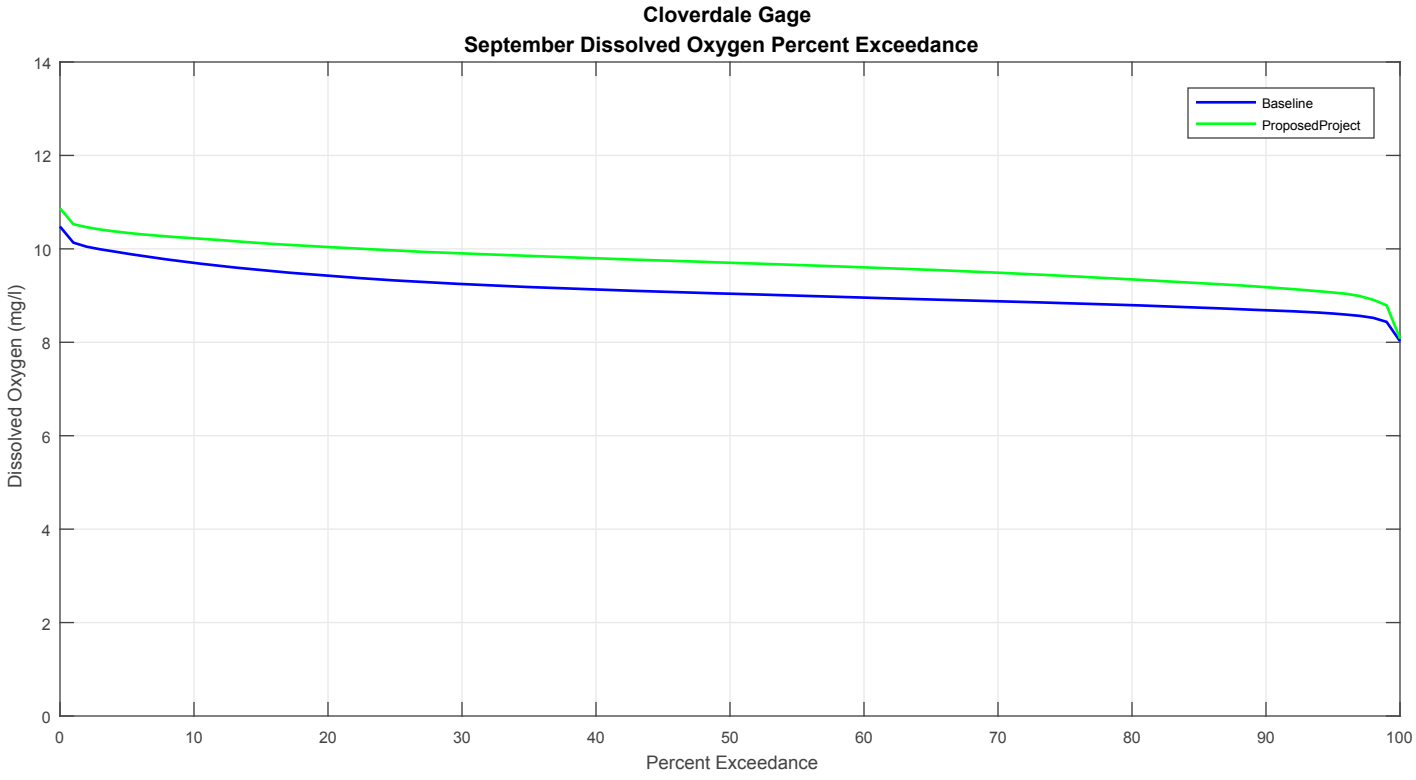
Cloverdale Gage
September Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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6
8
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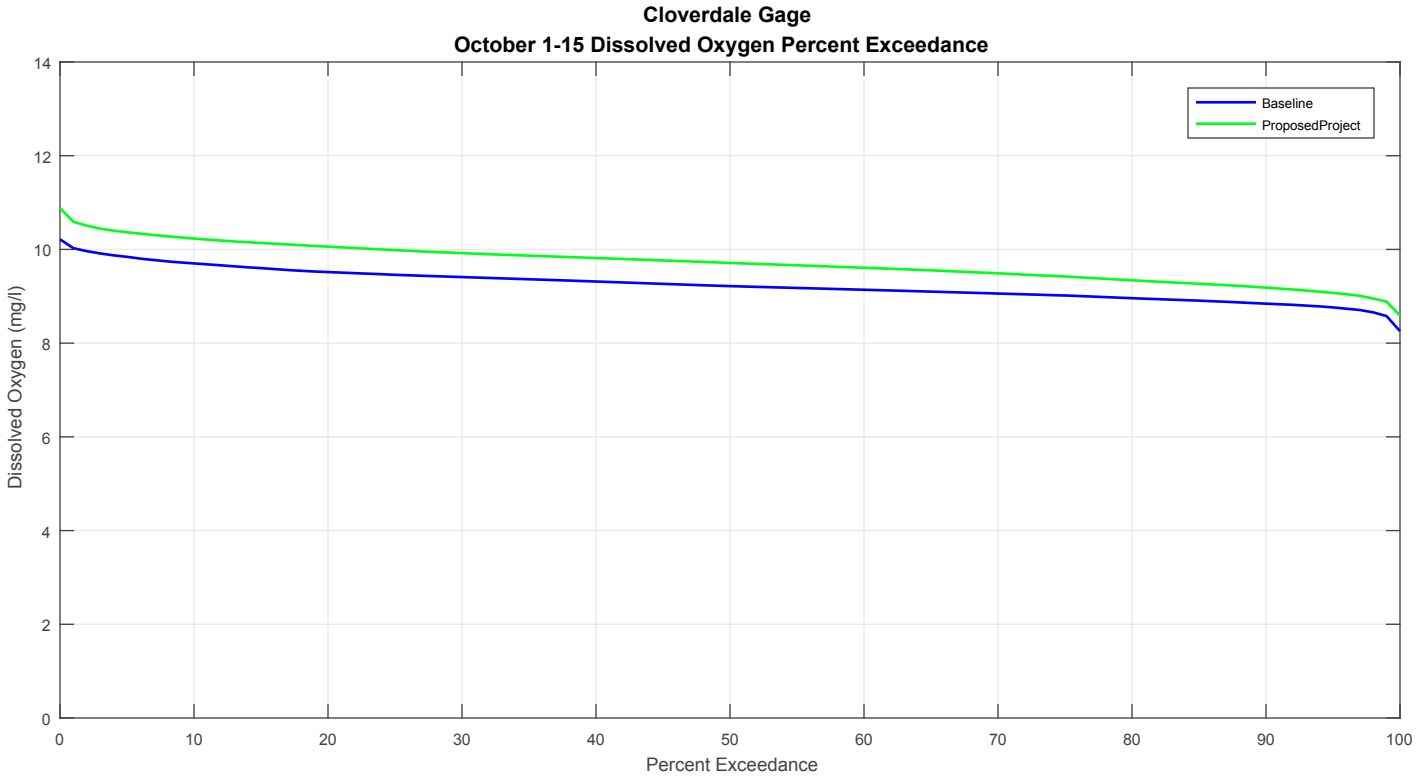
Cloverdale Gage
October 1-15 Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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6
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10
12
14
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30
40
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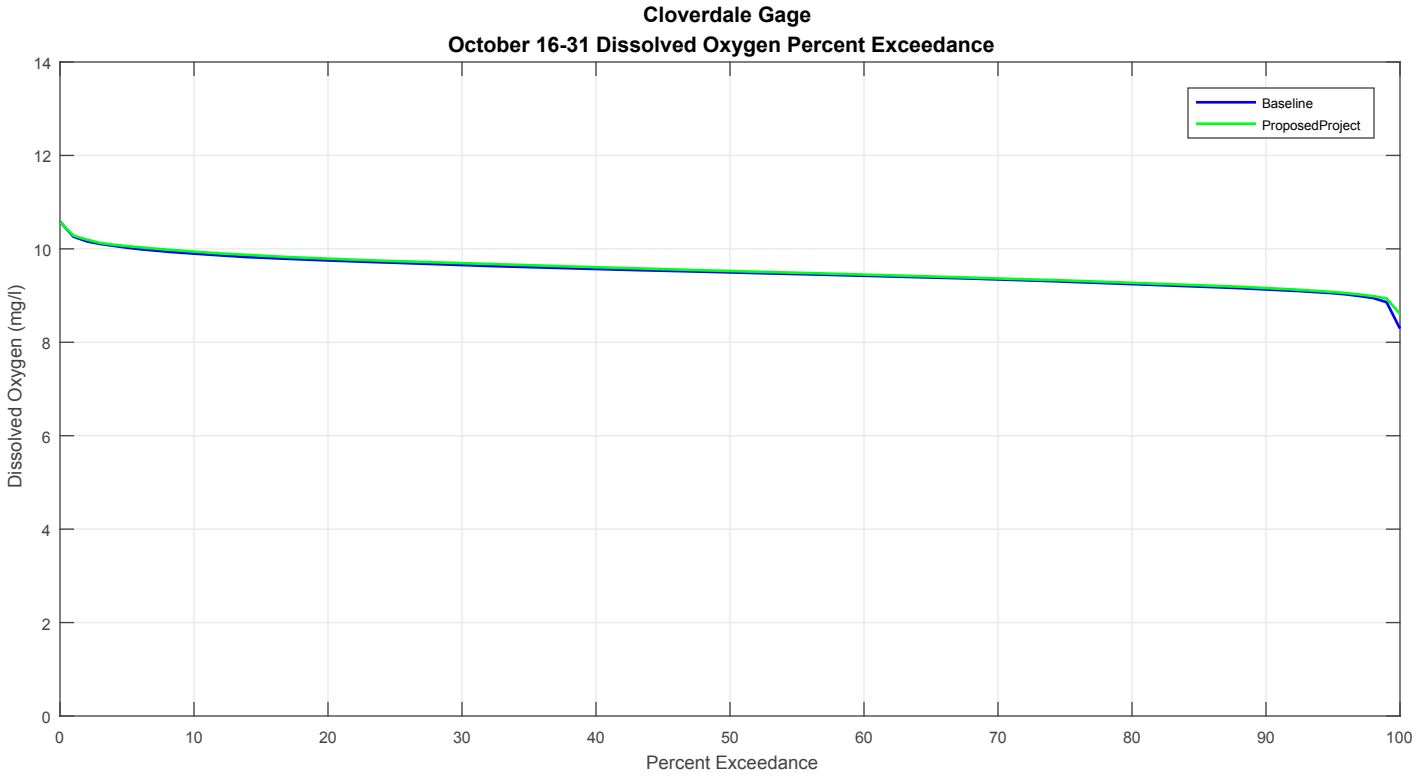
Cloverdale Gage
October 16-31 Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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8
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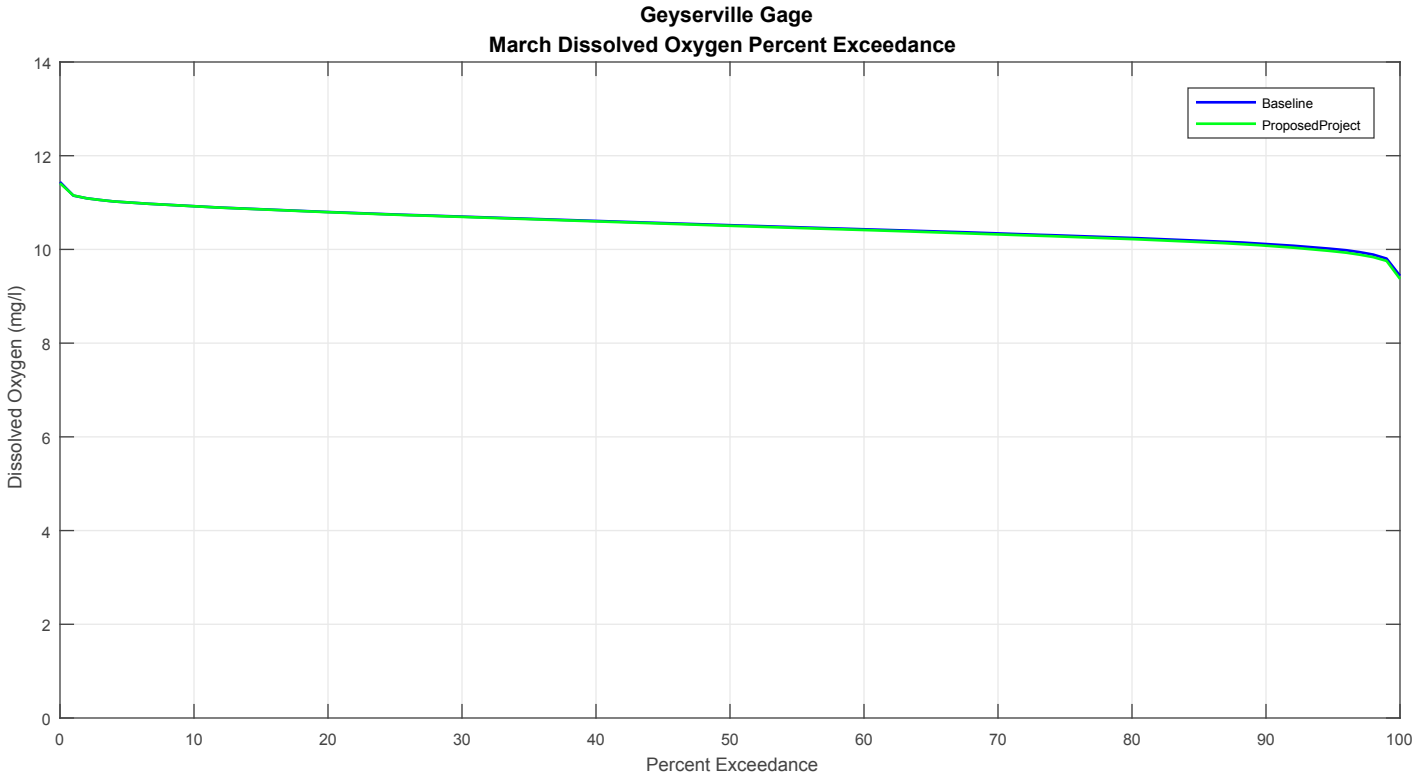
Geyserville Gage
March Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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6
8
10
12
14
0
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20
30
40
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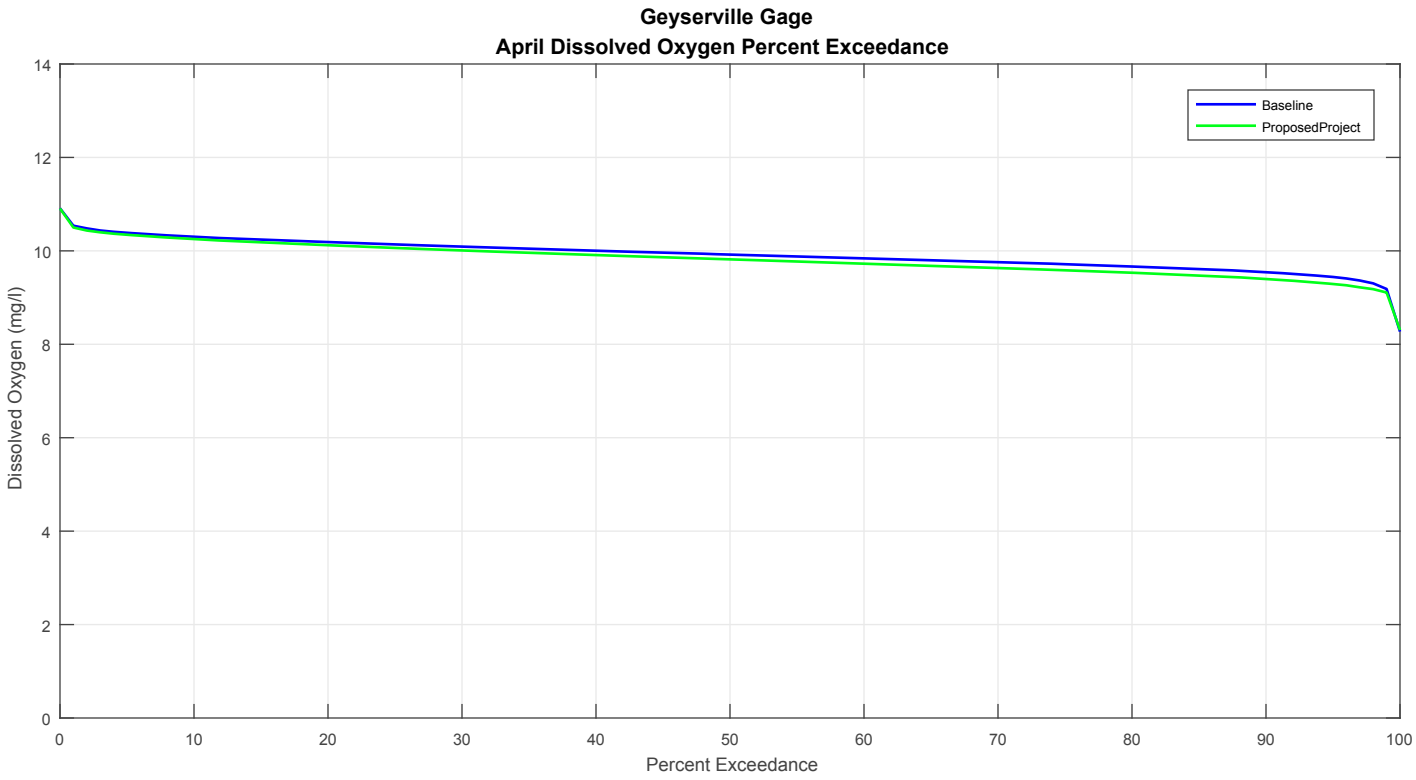
100


Geyserville Gage
April Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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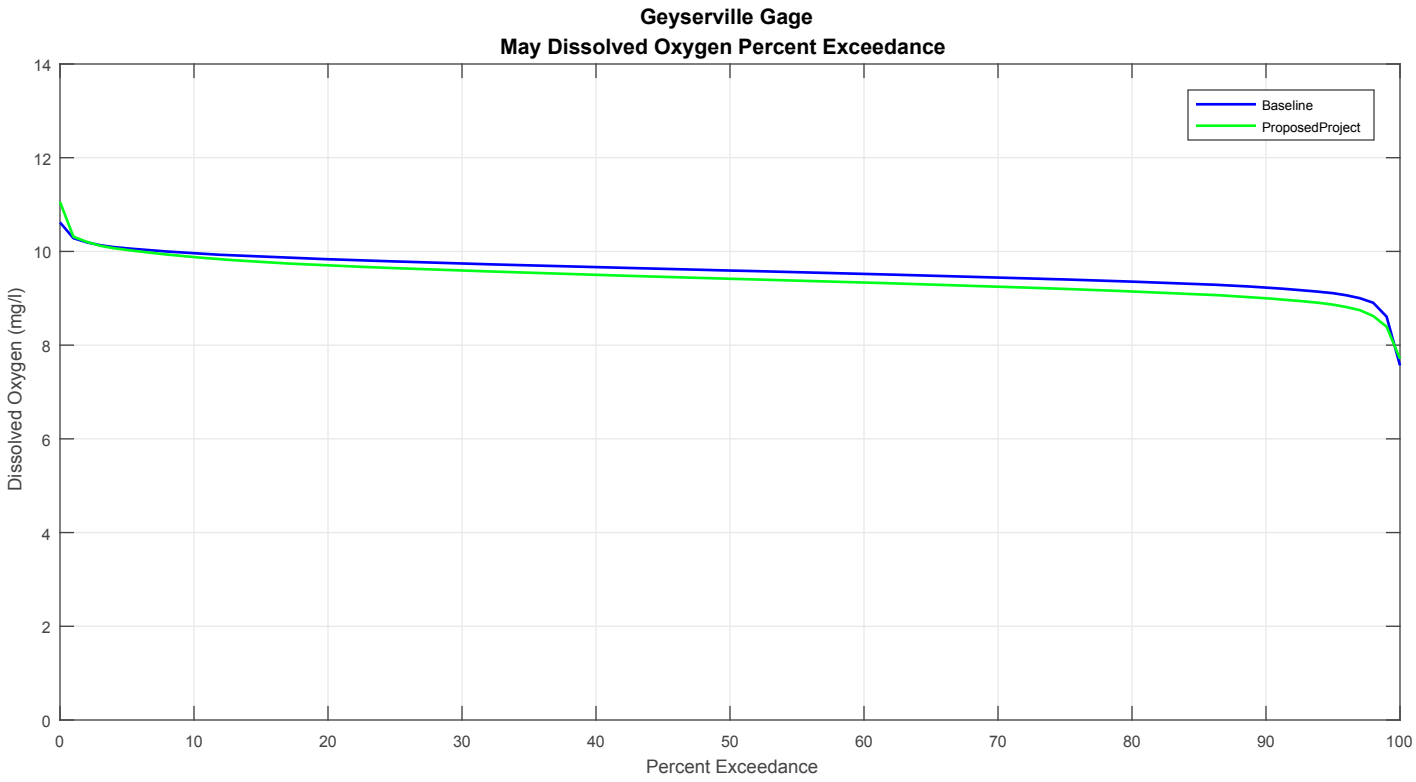
Geyserville Gage
May Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
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8
10
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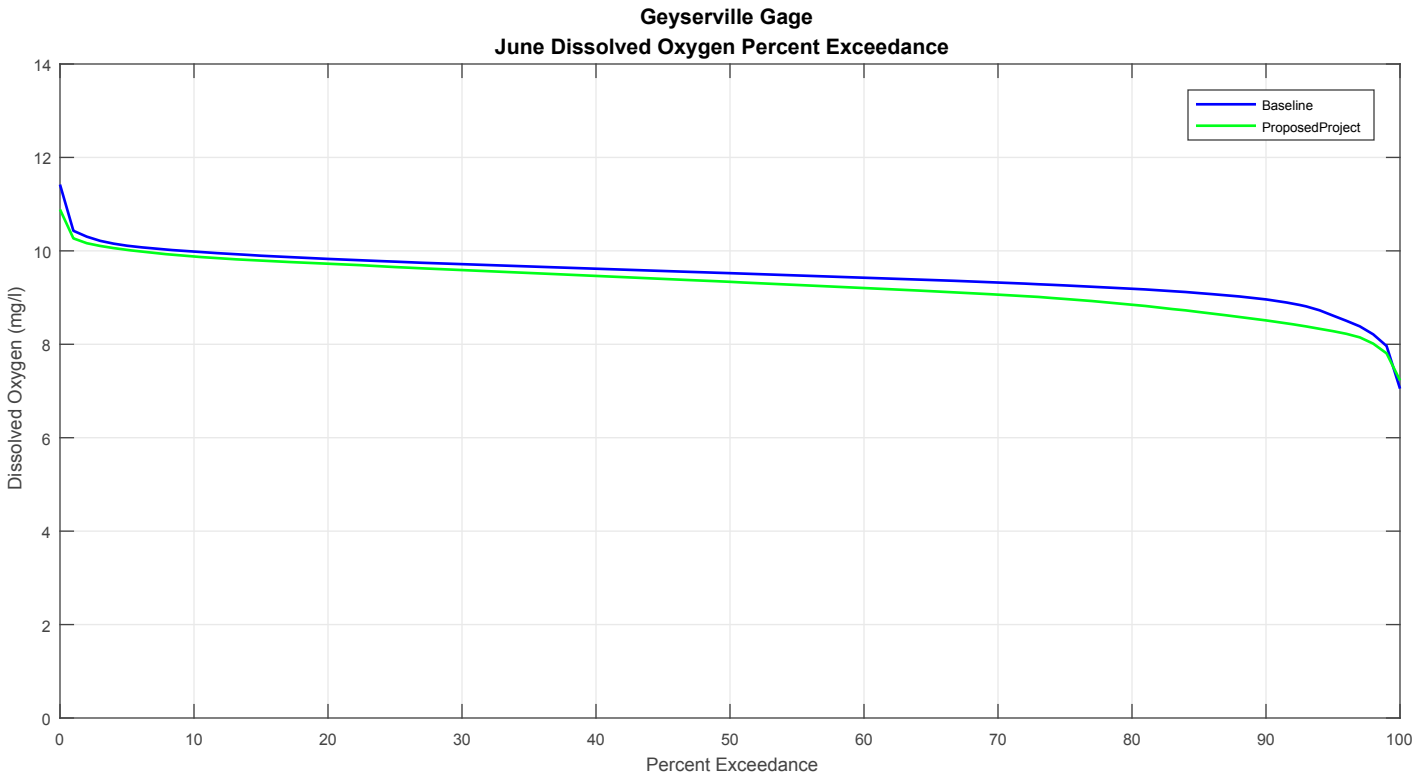
Geyserville Gage
June Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
0
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8
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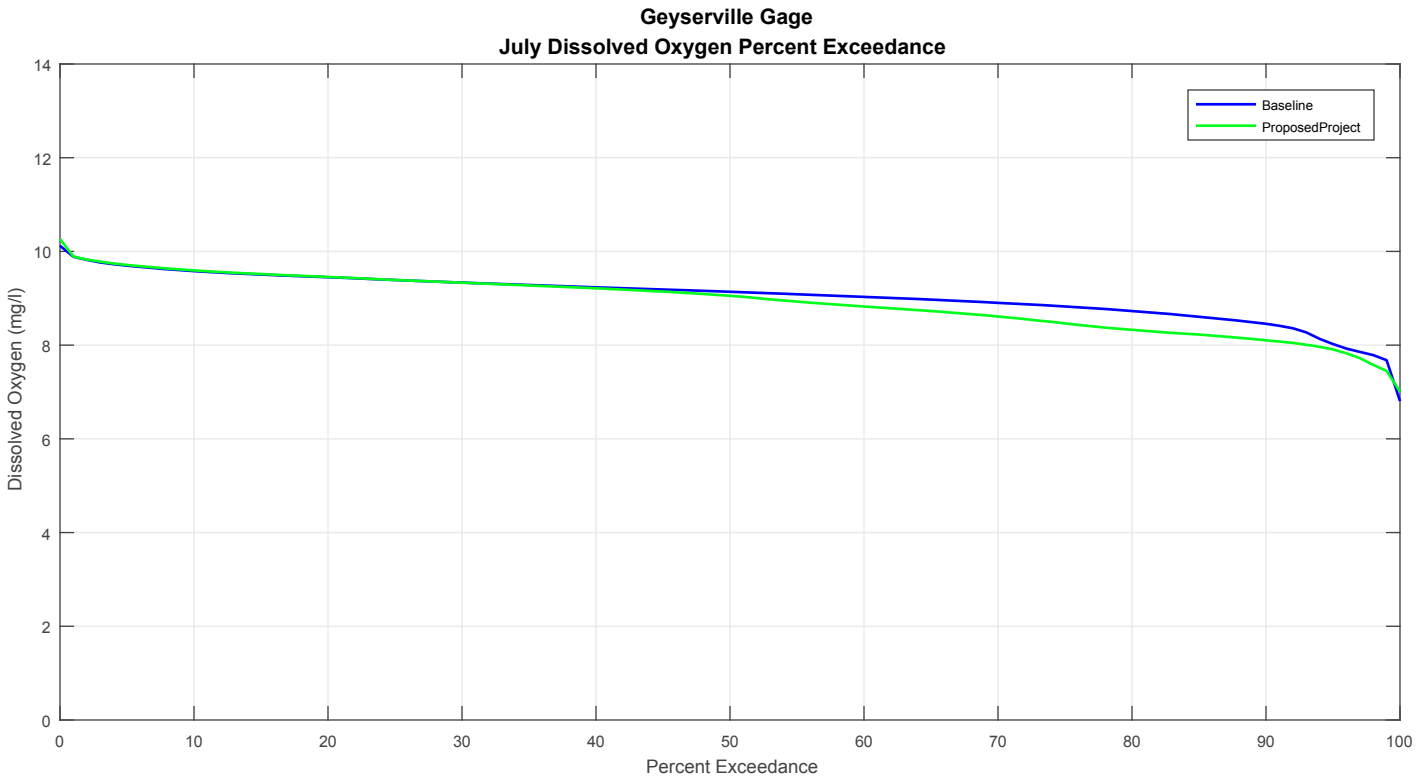
Geyserville Gage
July Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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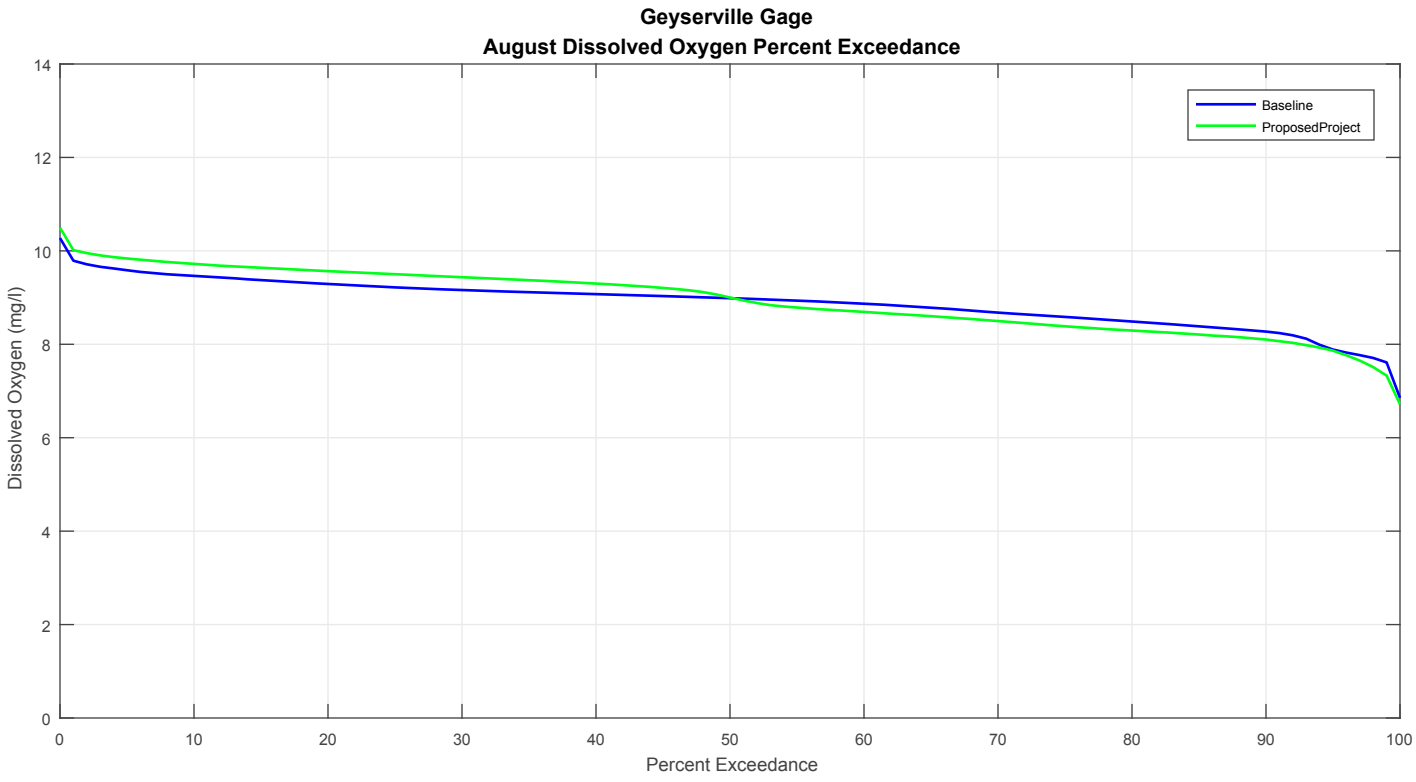
Geyserville Gage
August Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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8
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12
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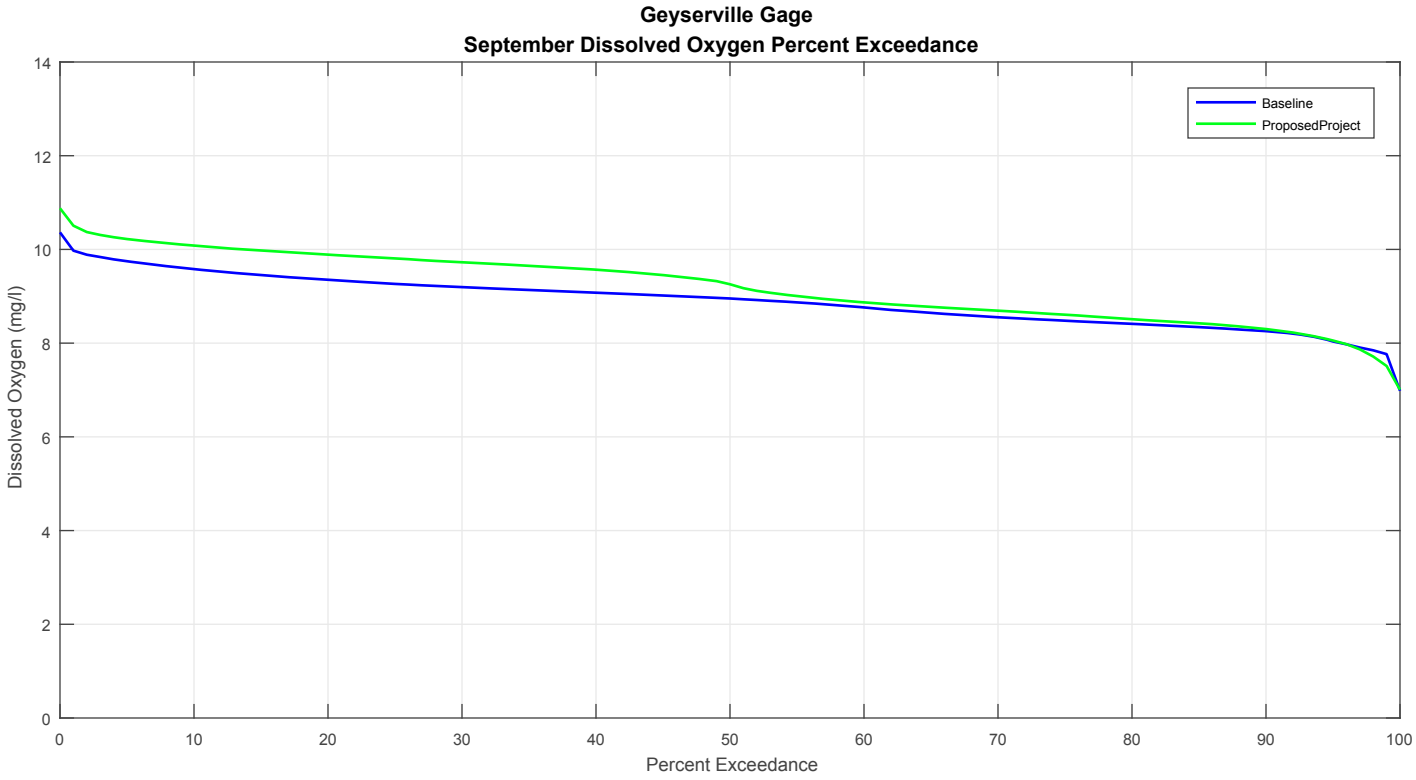
Geyserville Gage
September Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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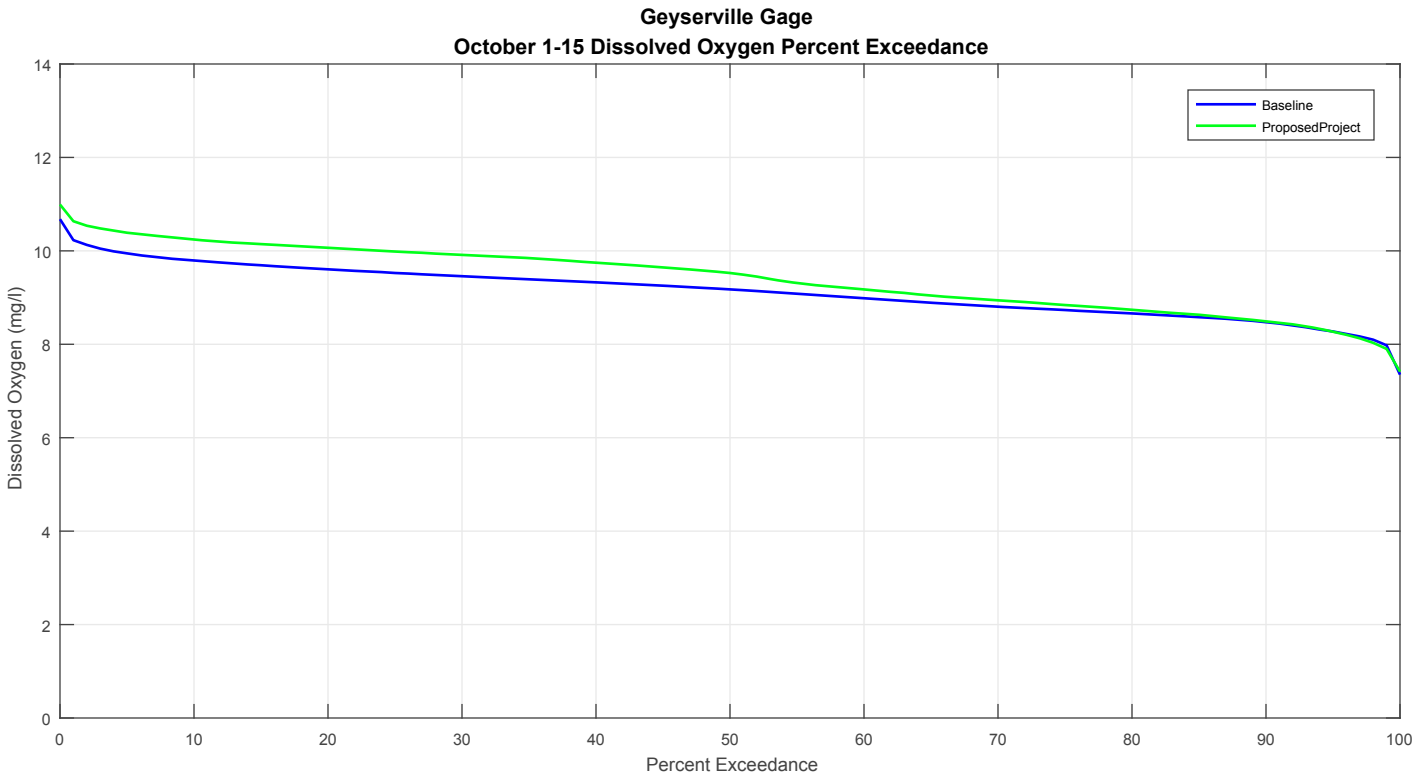
Geyserville Gage
October 1-15 Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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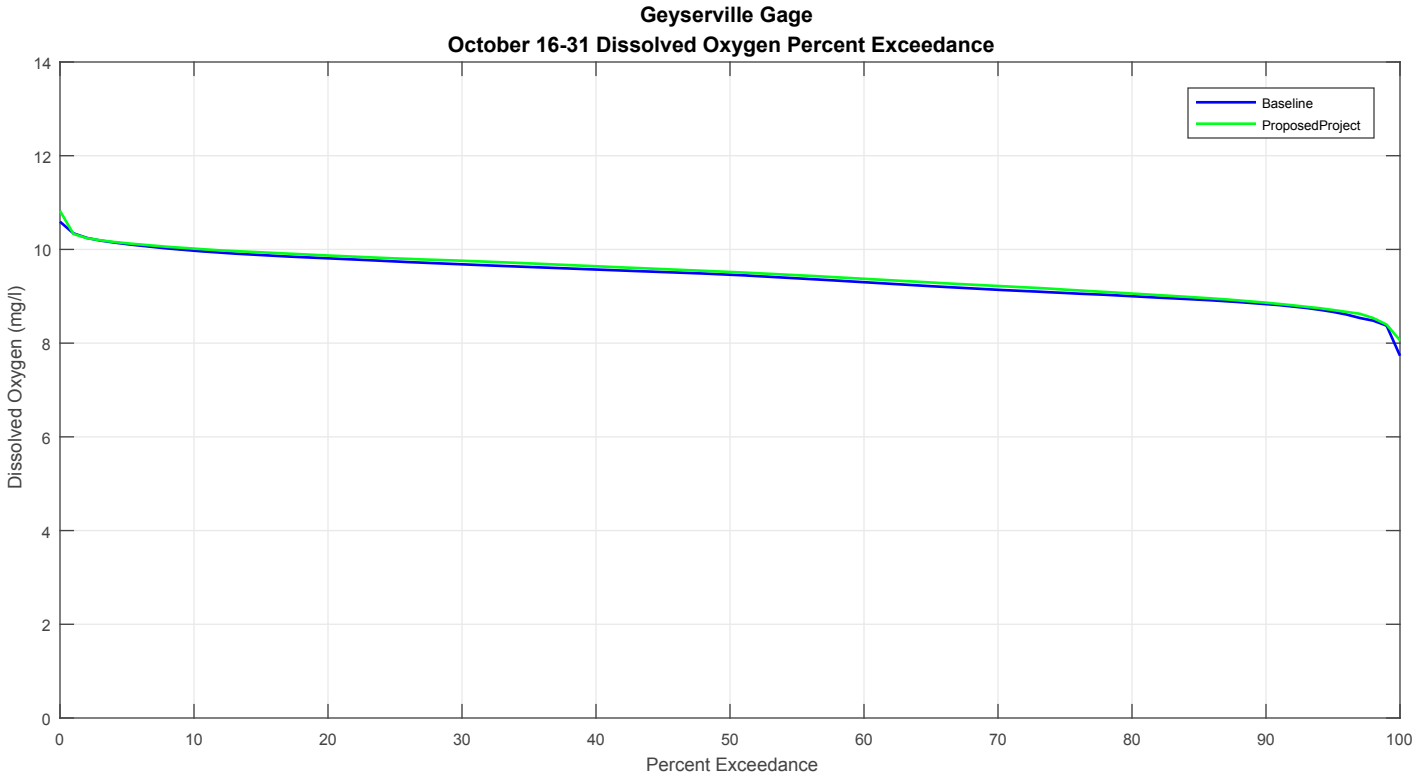
Geyserville Gage
October 16-31 Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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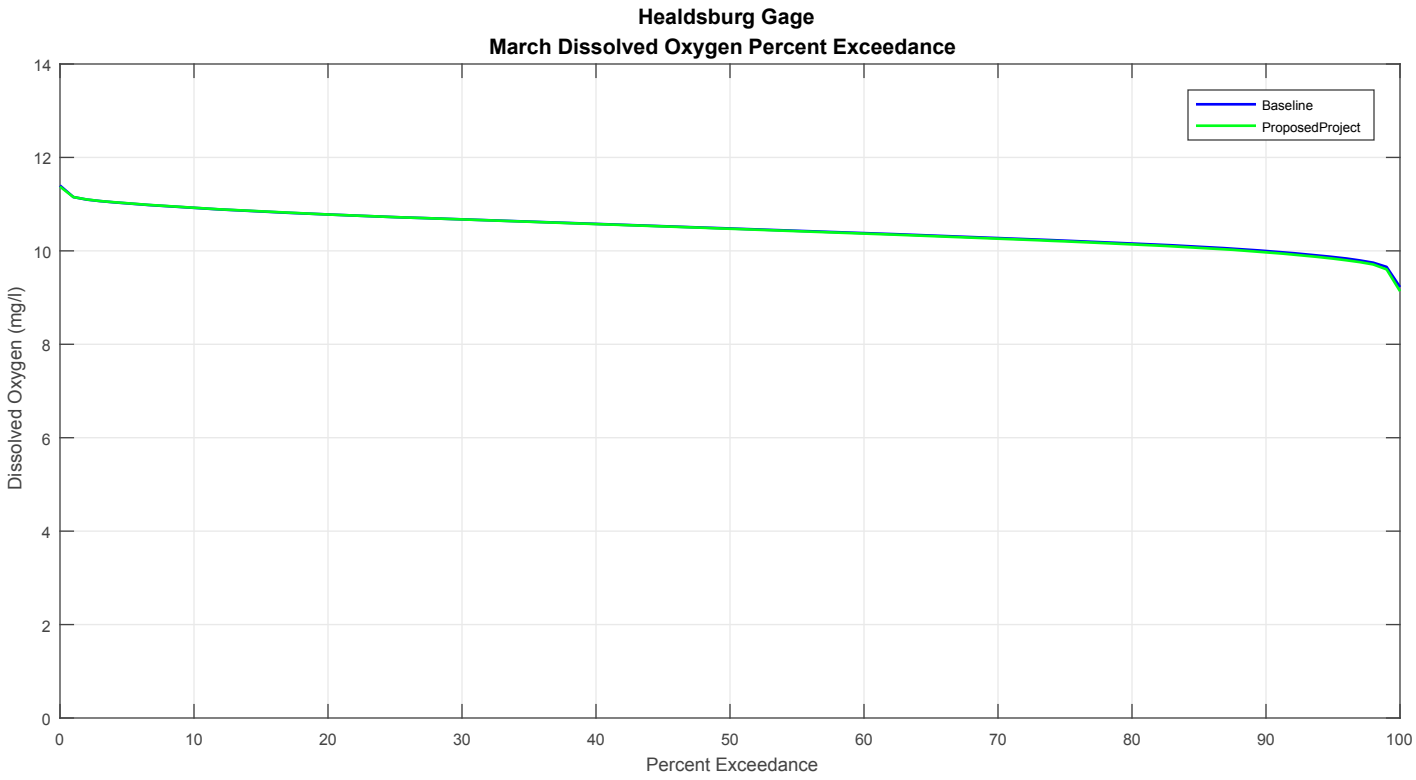
Healdsburg Gage
March Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
0
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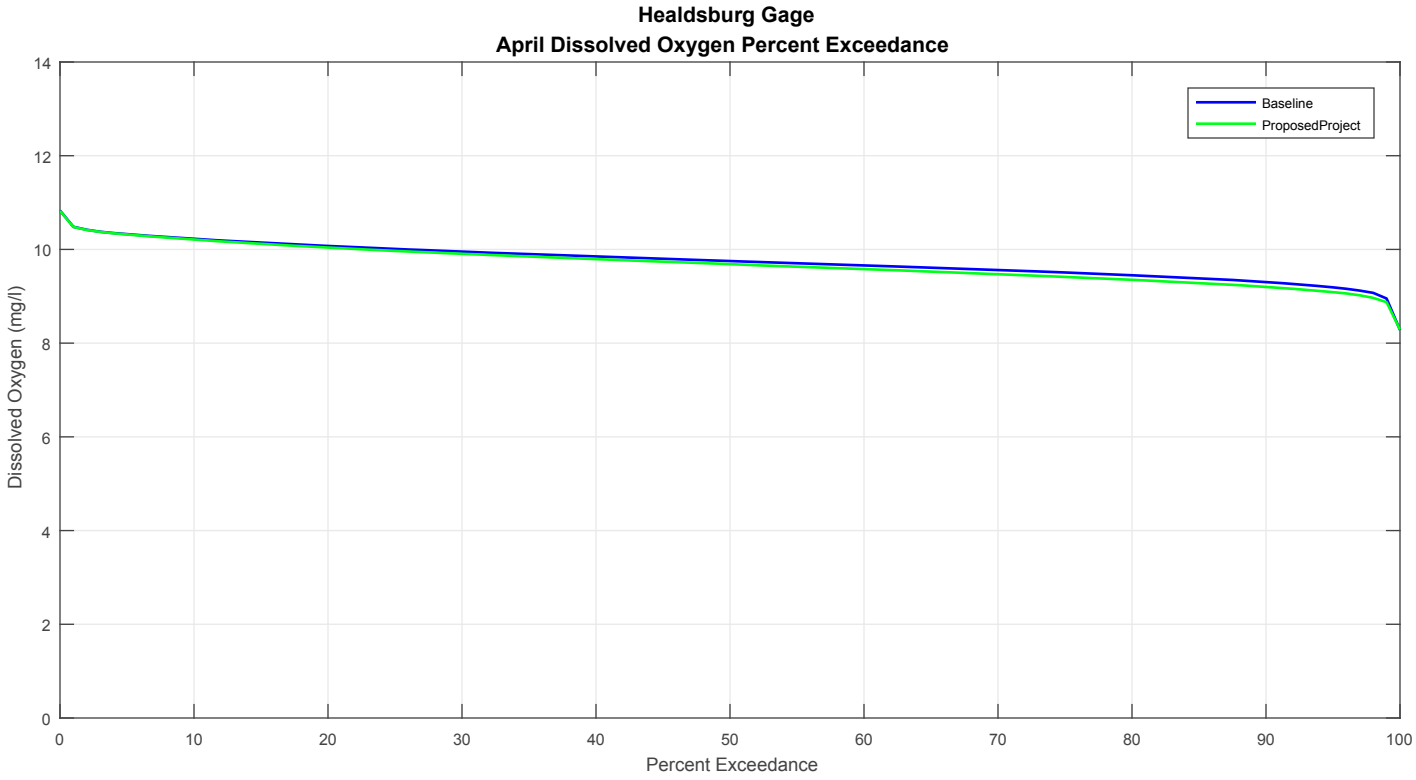
Healdsburg Gage
April Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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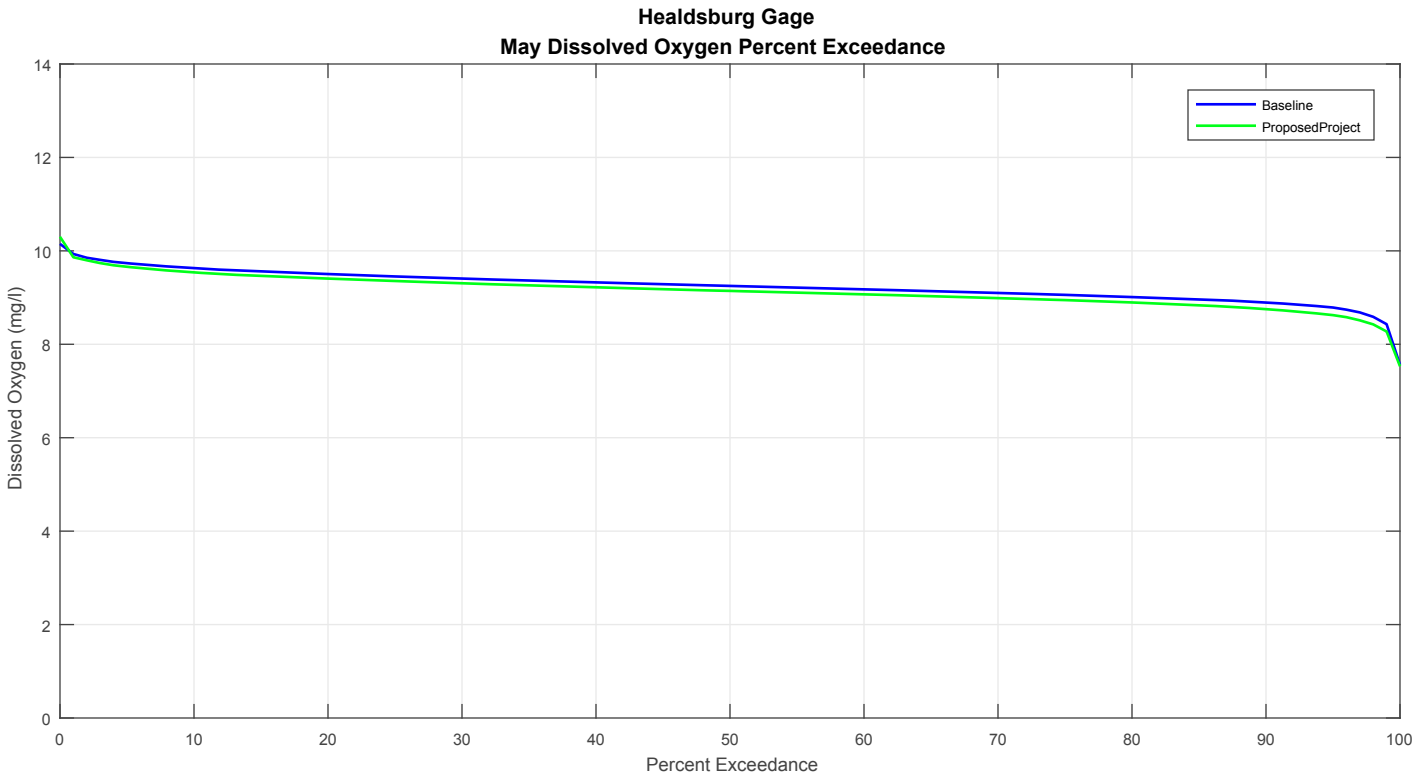
Healdsburg Gage
May Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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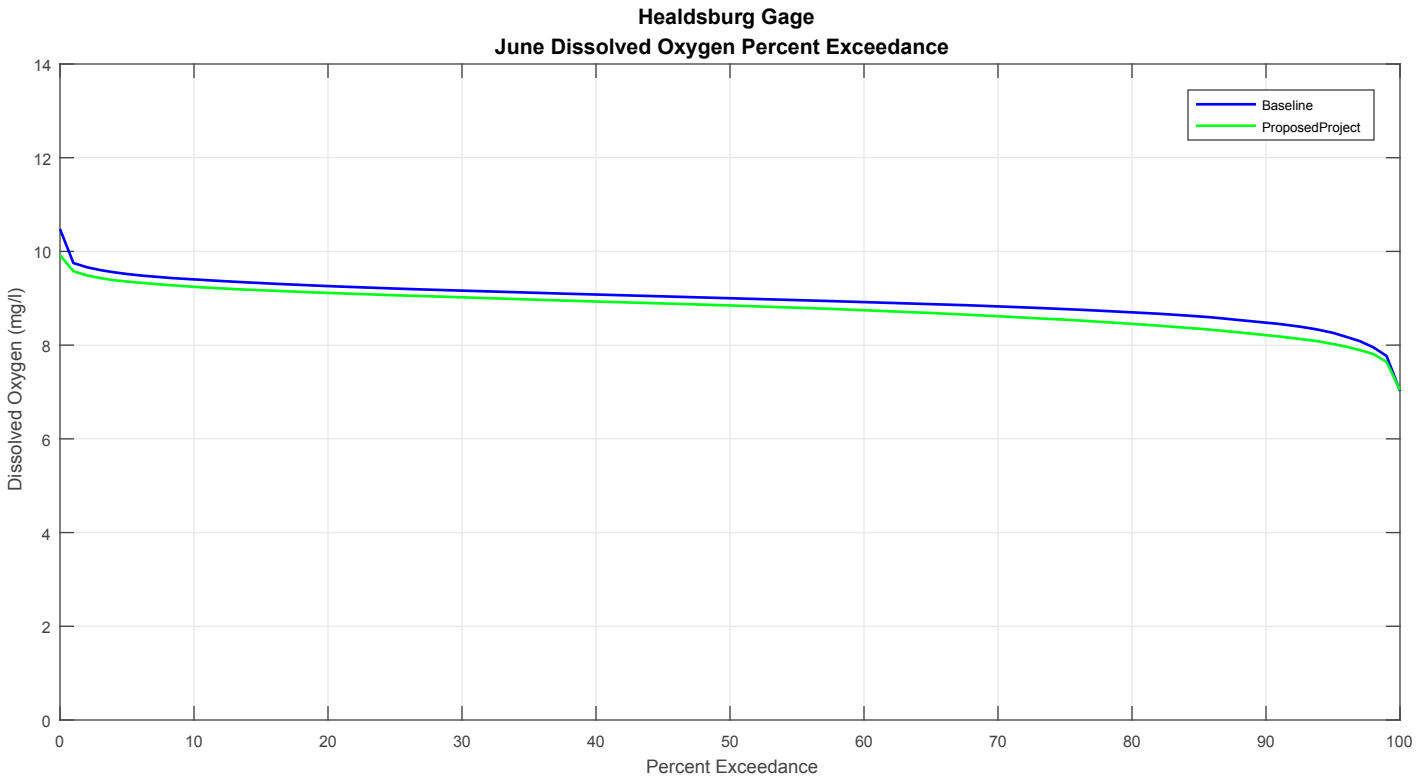
Healdsburg Gage
June Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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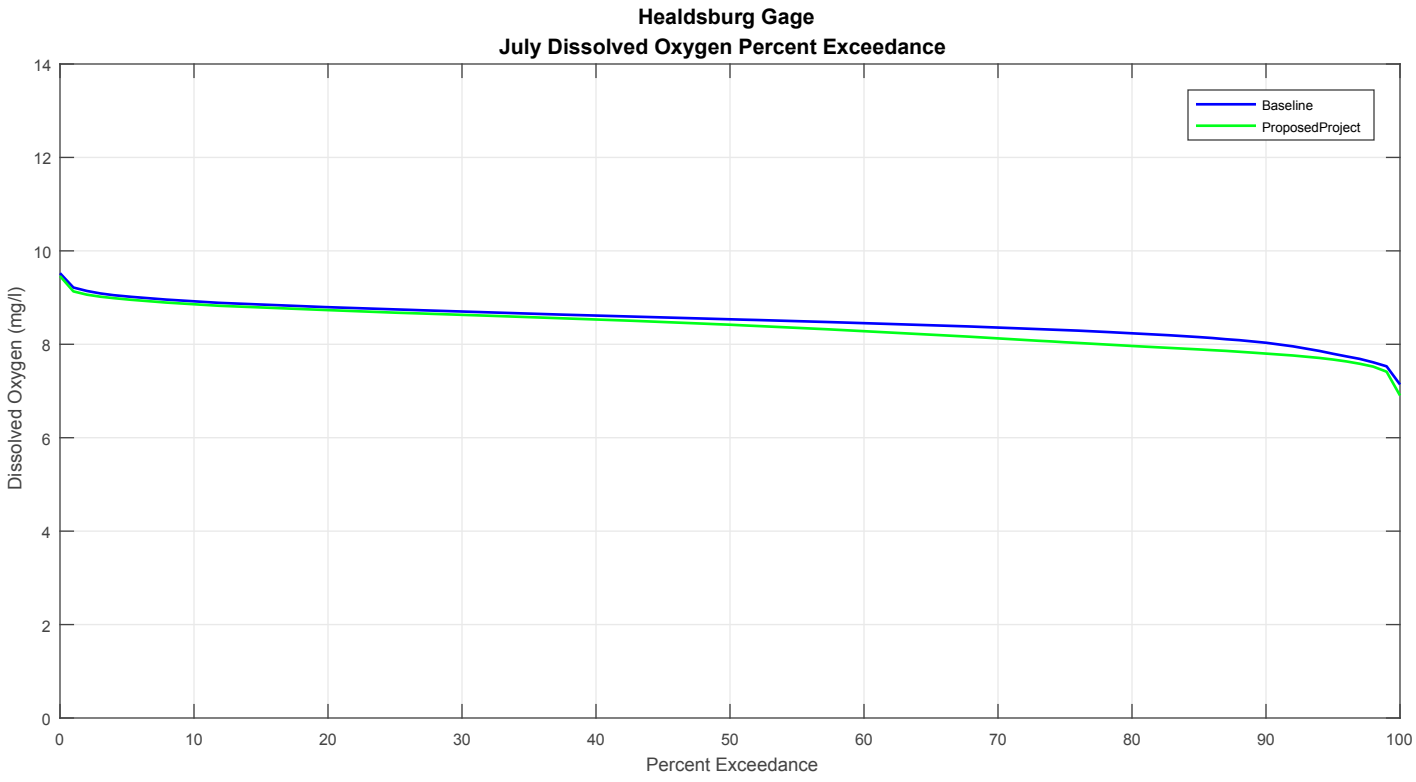
Healdsburg Gage
July Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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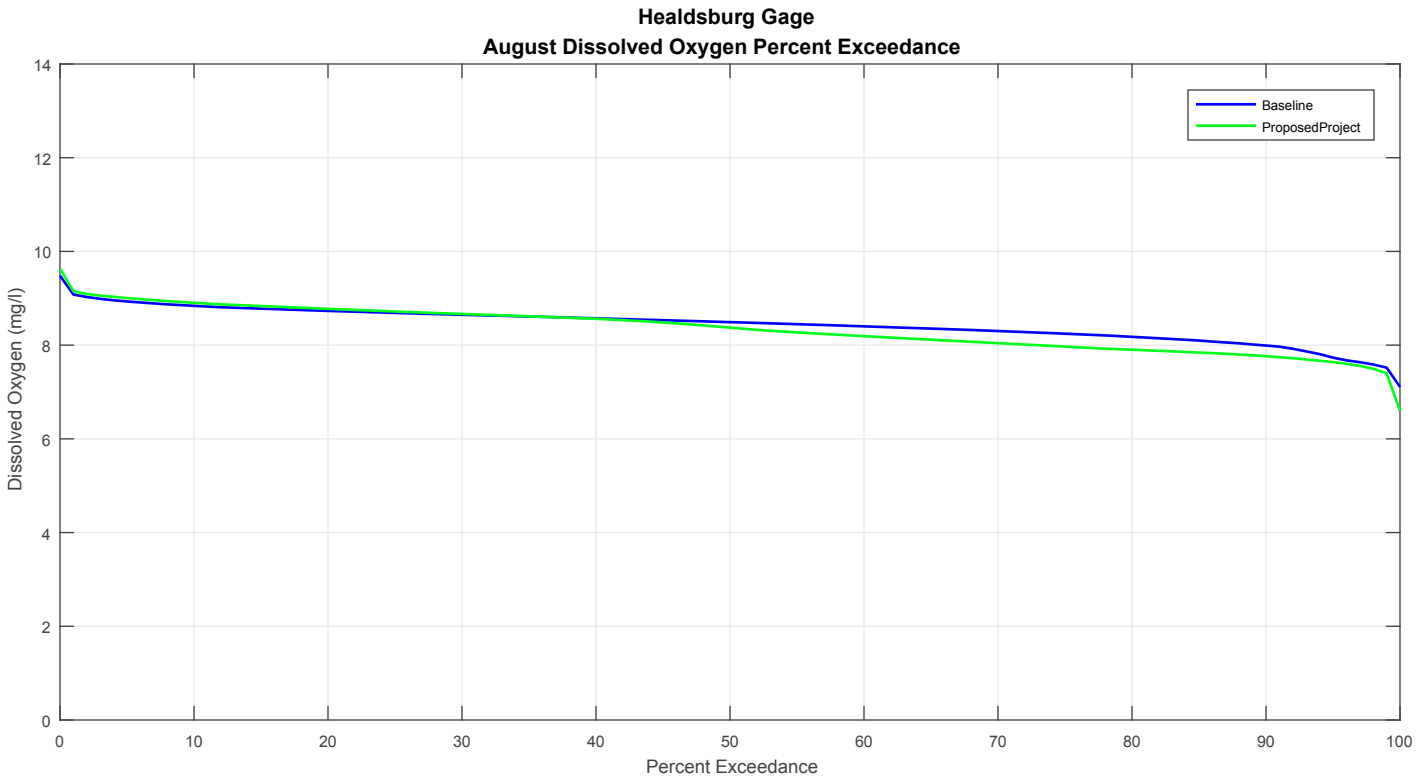
Healdsburg Gage
August Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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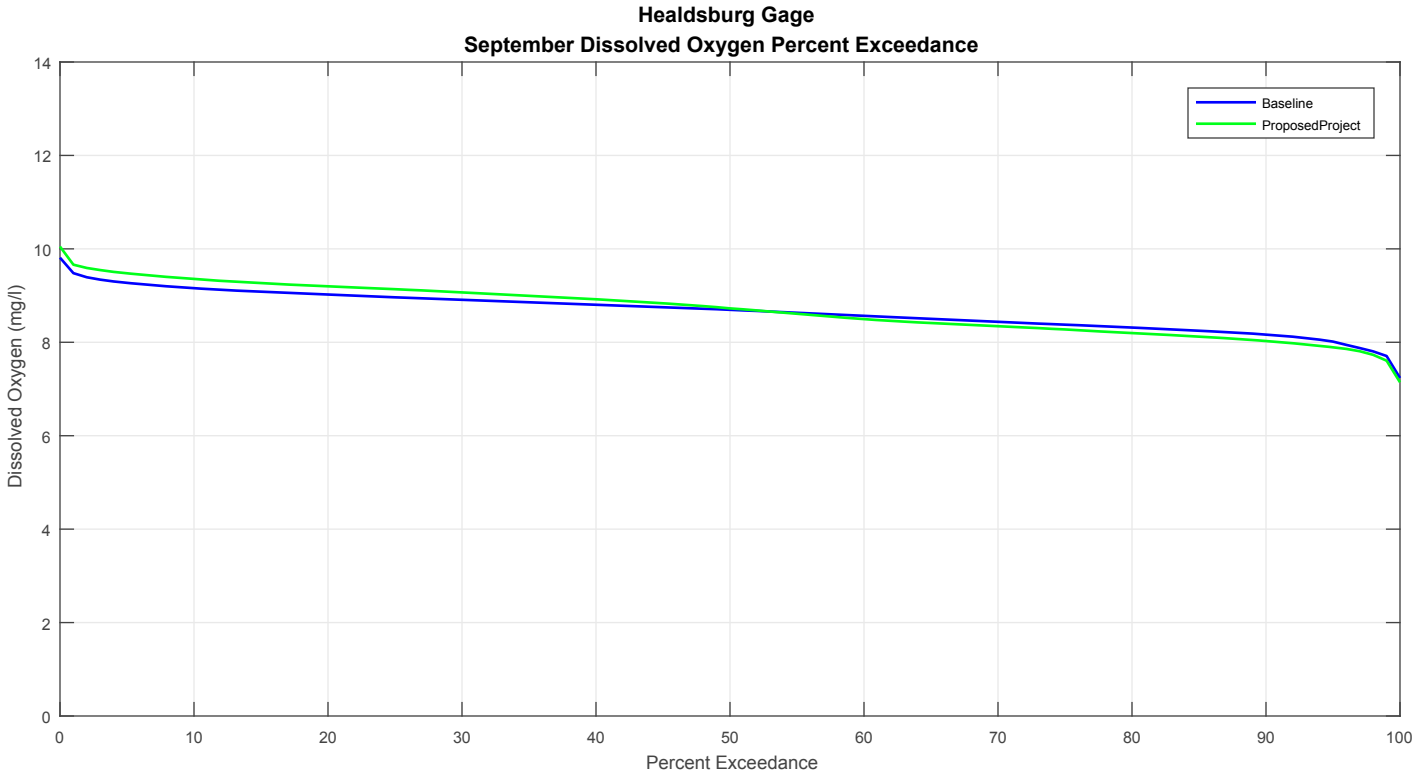
Healdsburg Gage
September Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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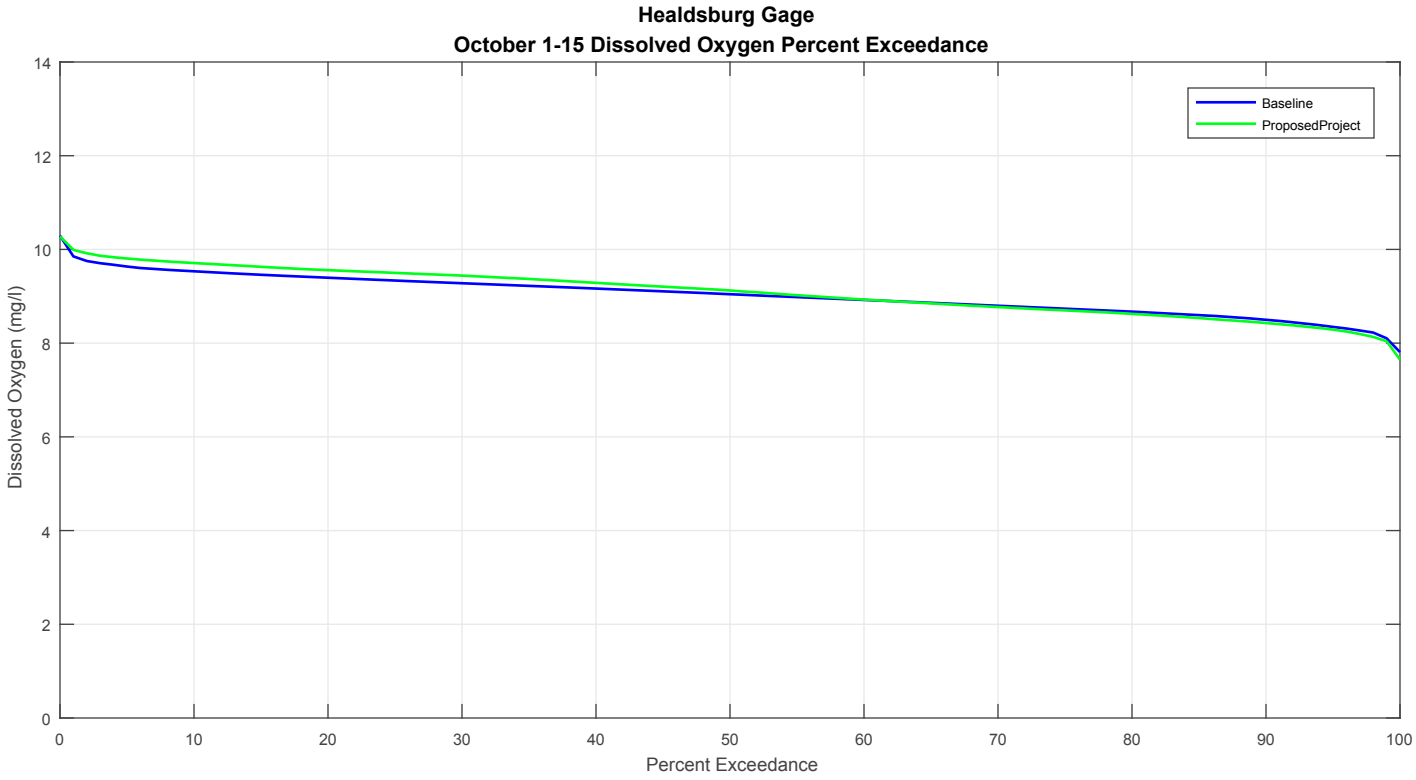
Healdsburg Gage
October 1-15 Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
0
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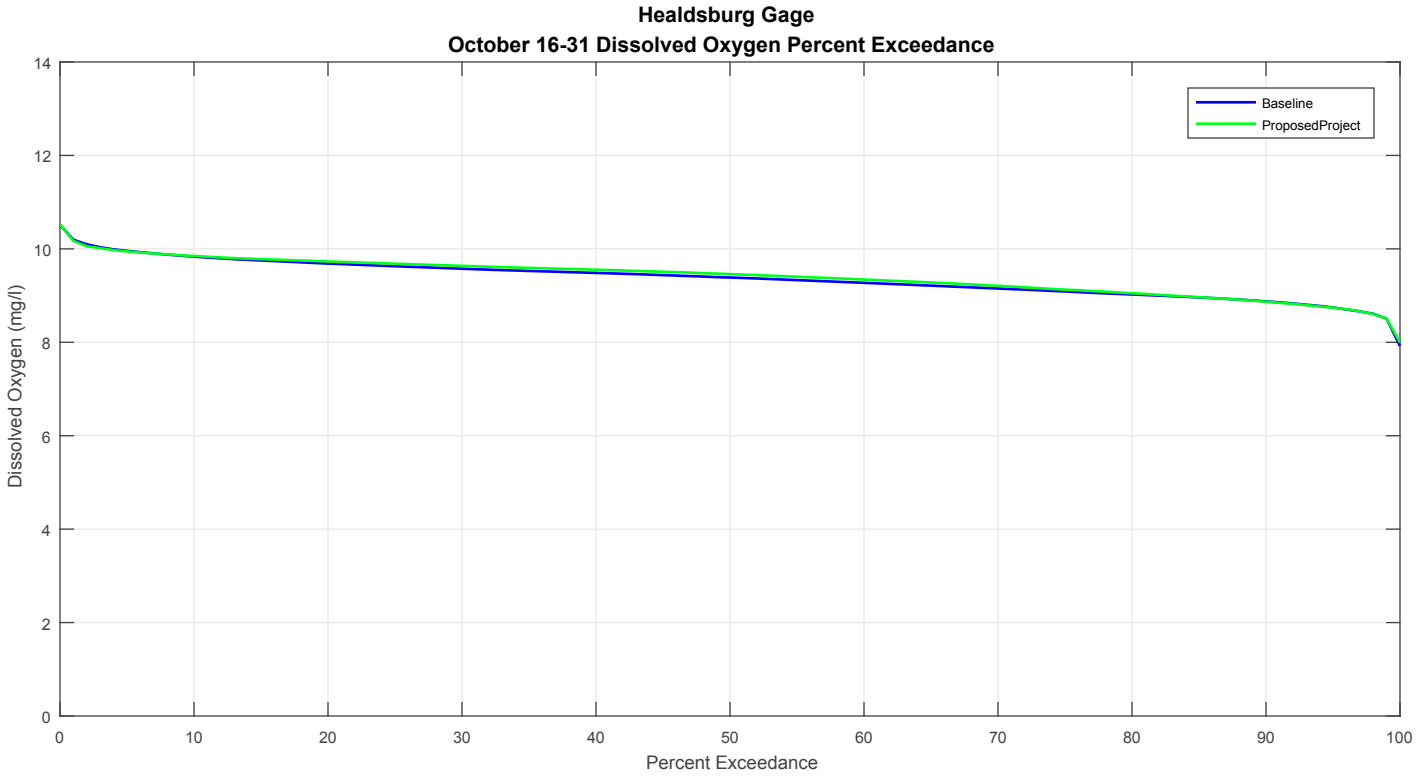
Healdsburg Gage
October 16-31 Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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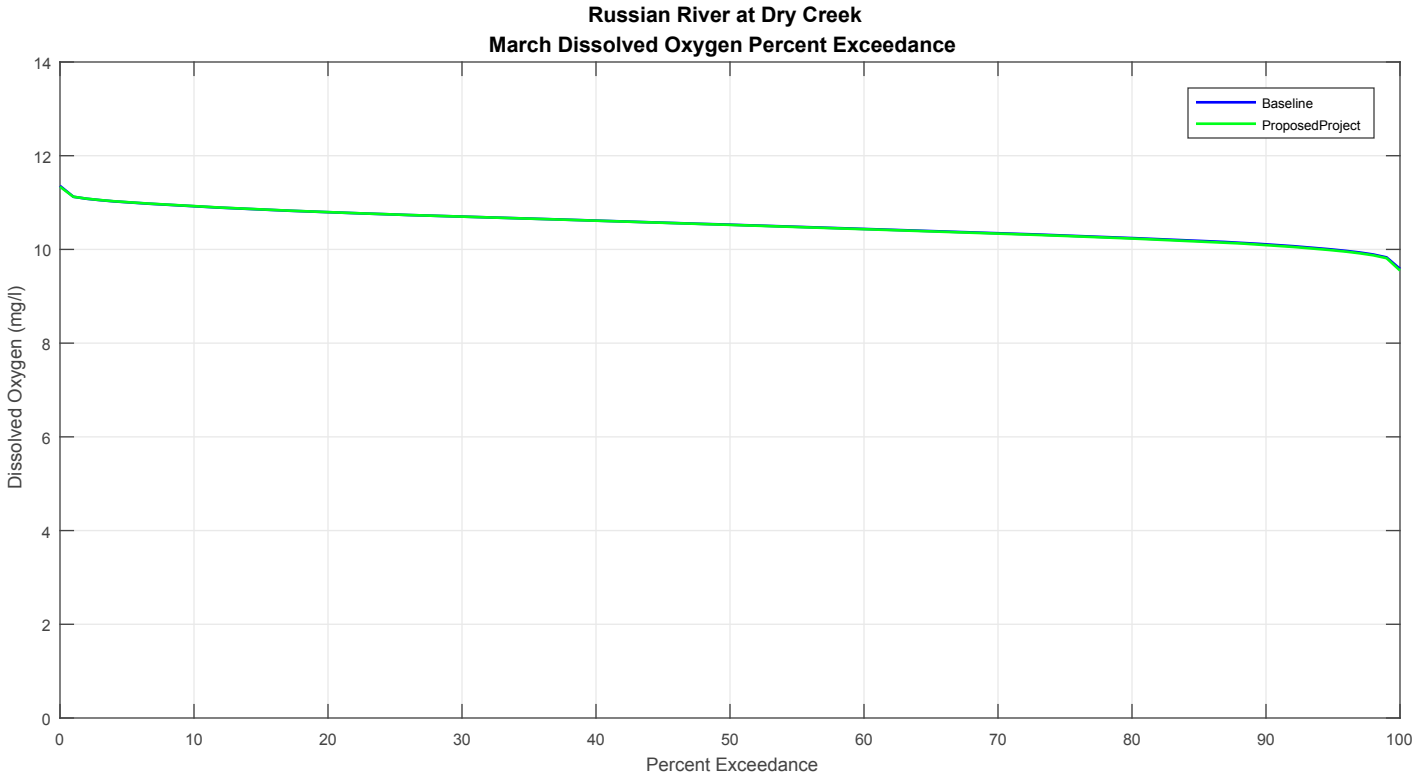
Russian River at Dry Creek
March Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
0
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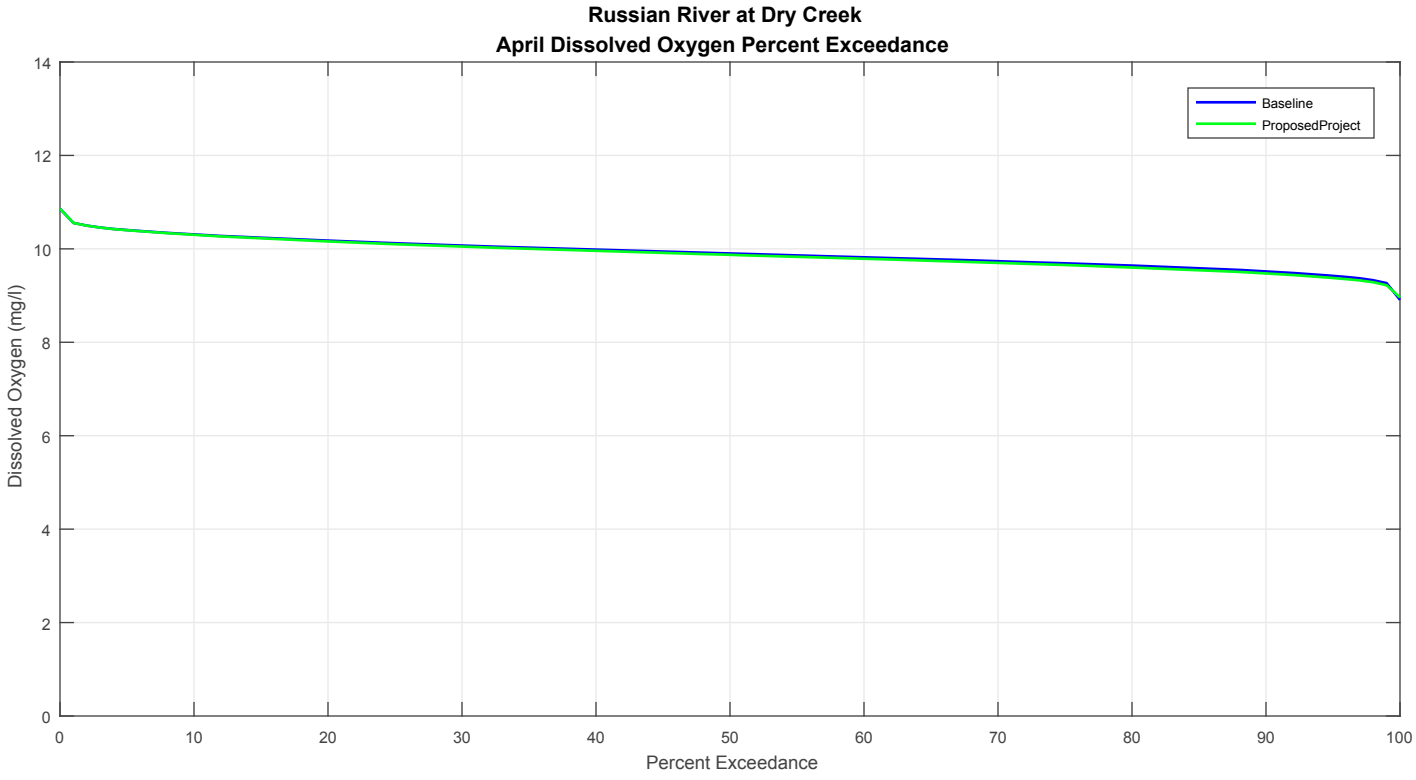
Russian River at Dry Creek
April Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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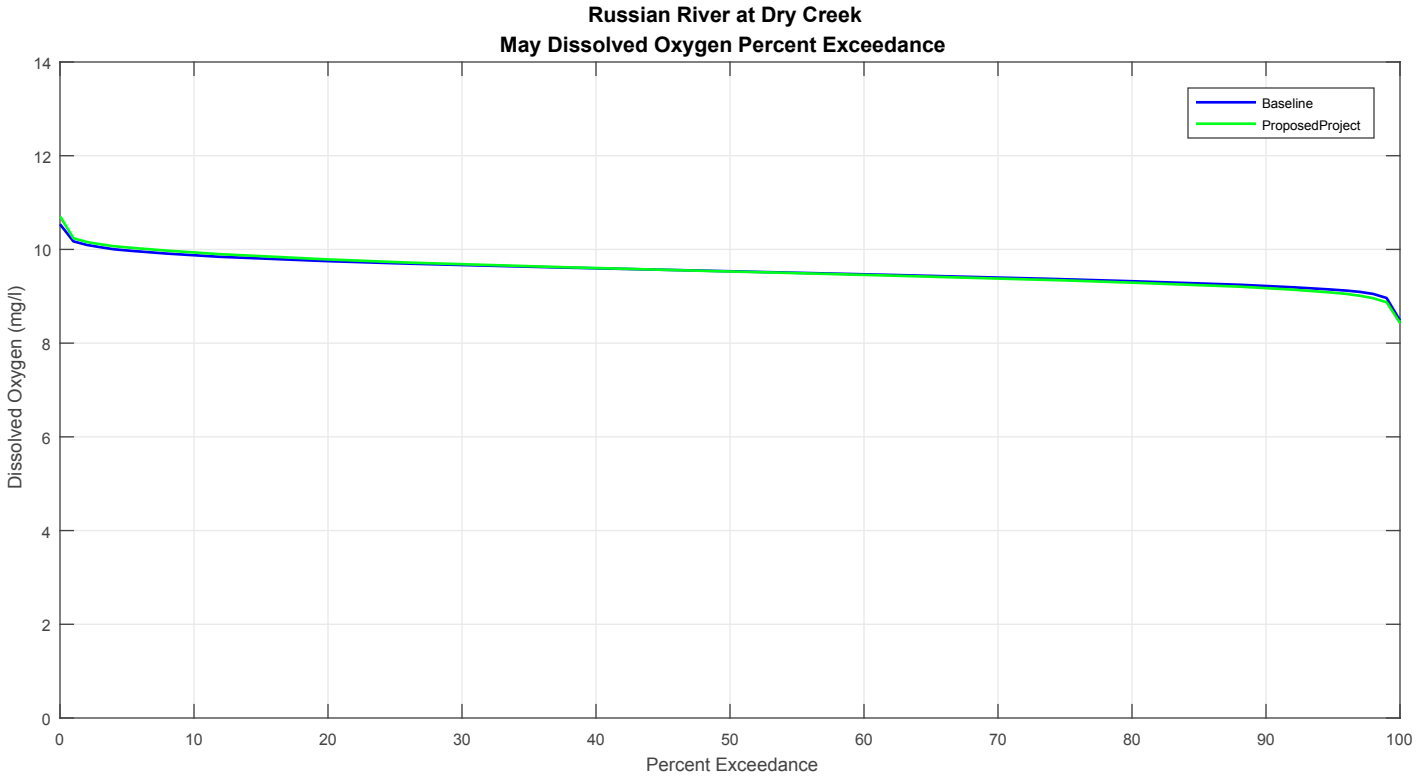
Russian River at Dry Creek
May Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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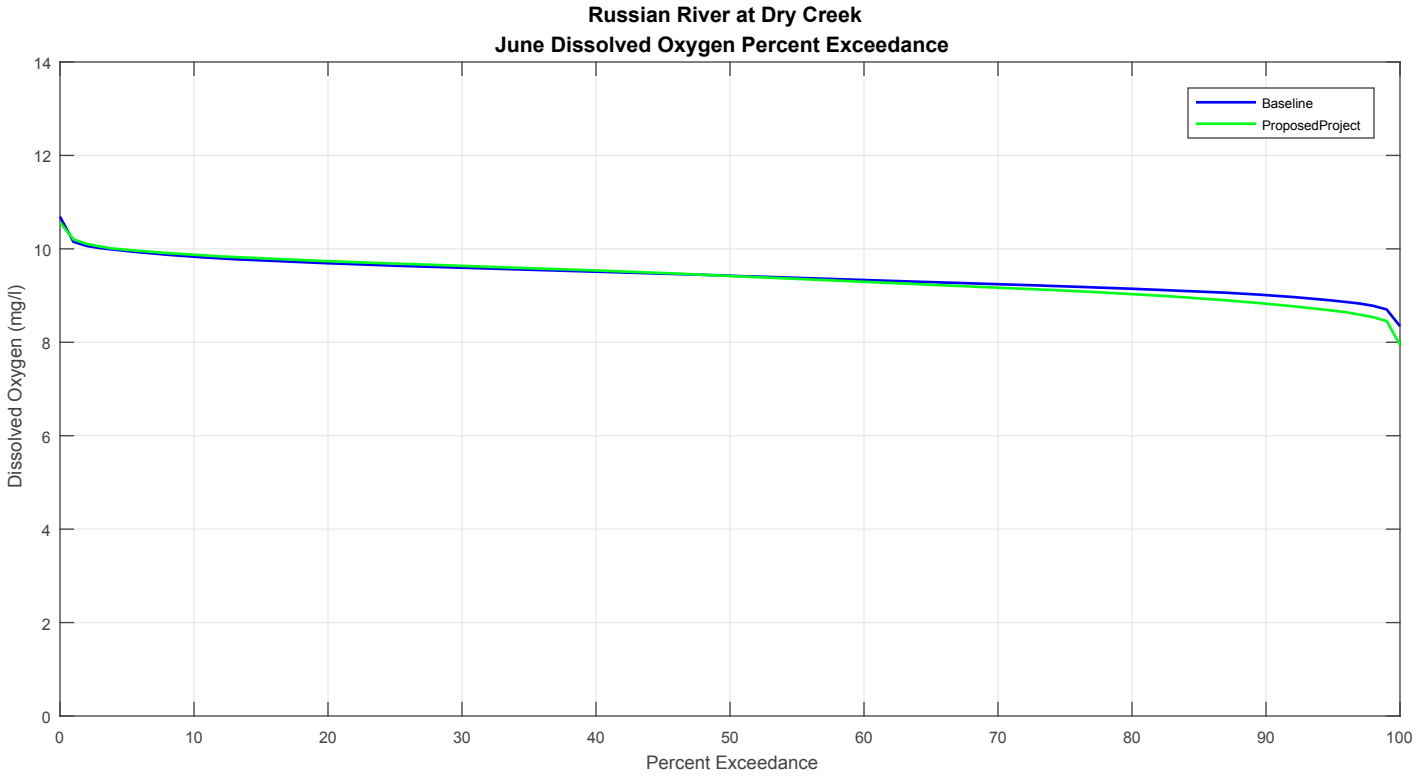
Russian River at Dry Creek
June Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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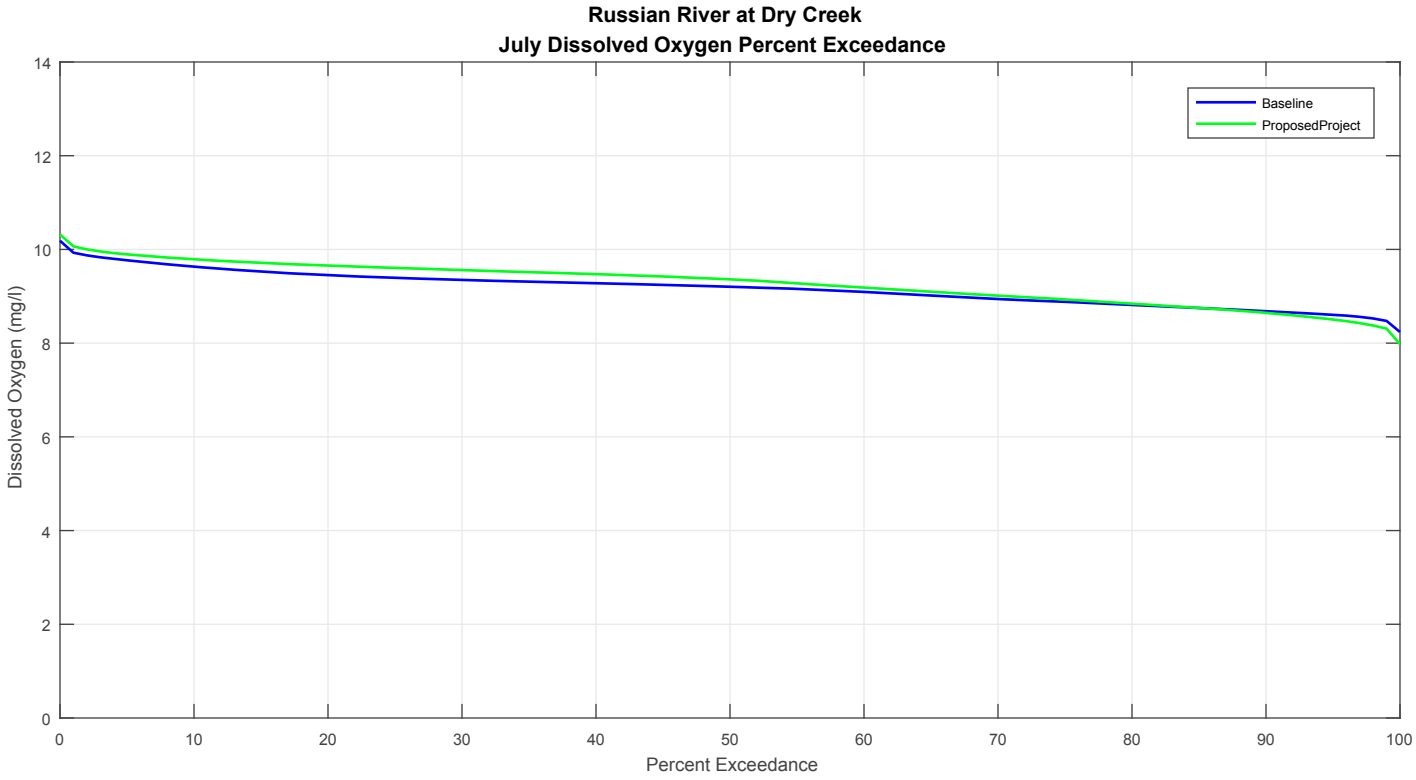
Russian River at Dry Creek
July Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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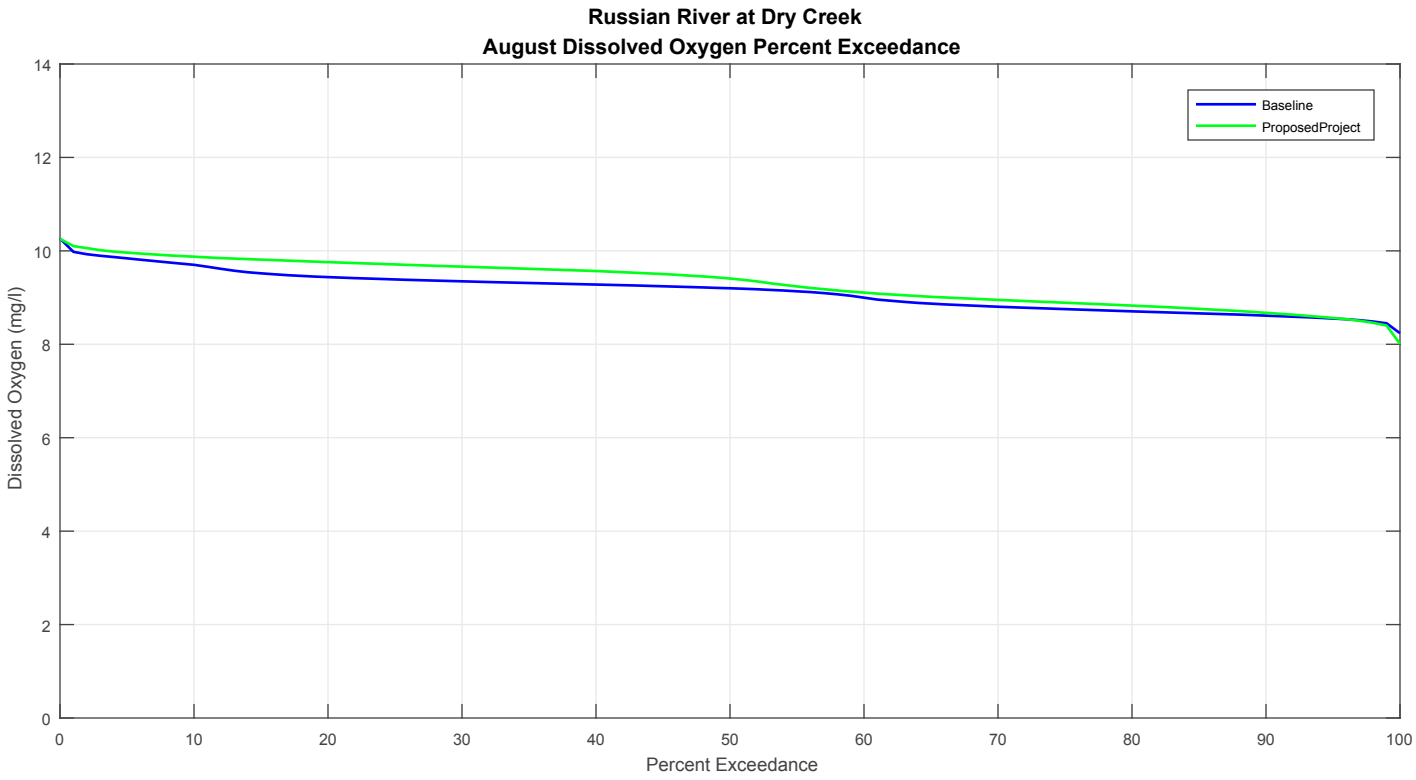
Russian River at Dry Creek
August Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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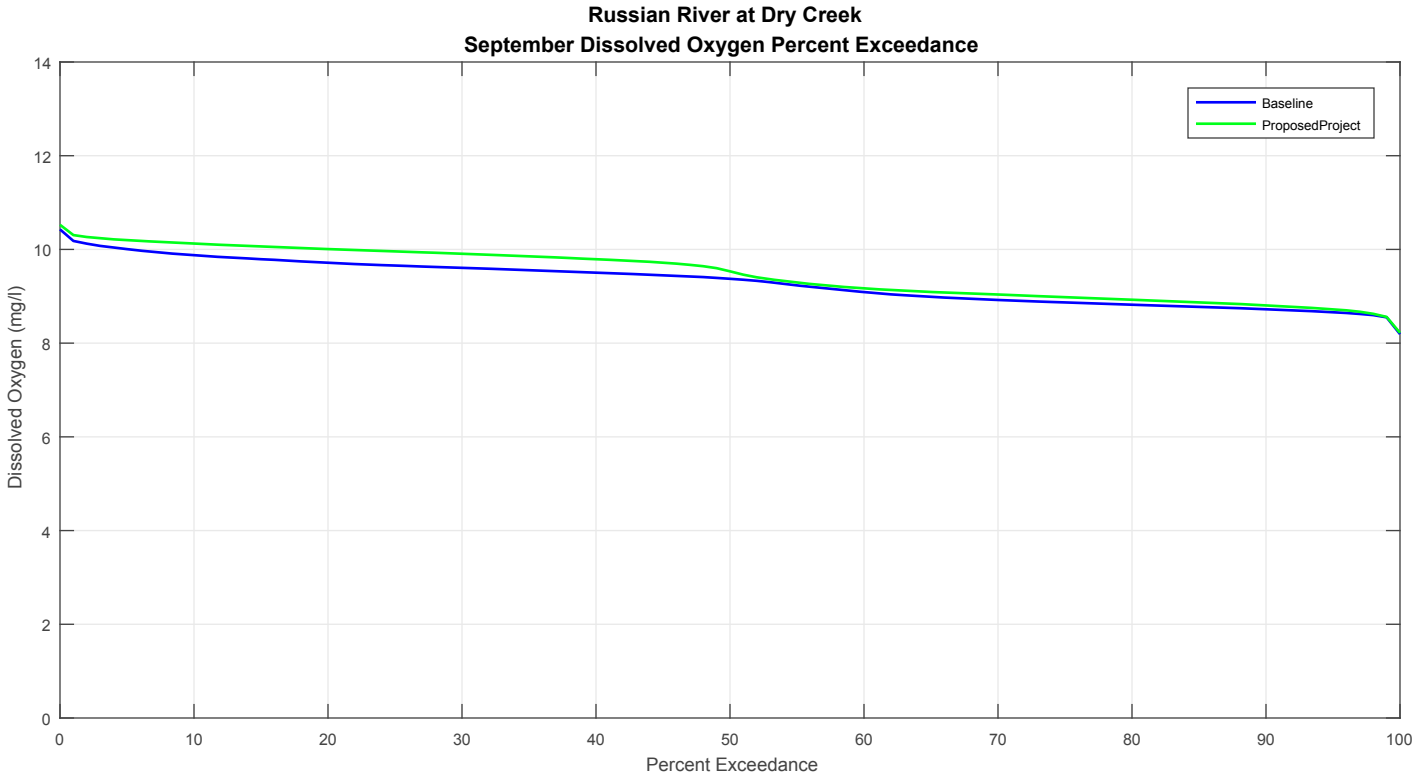
Russian River at Dry Creek
September Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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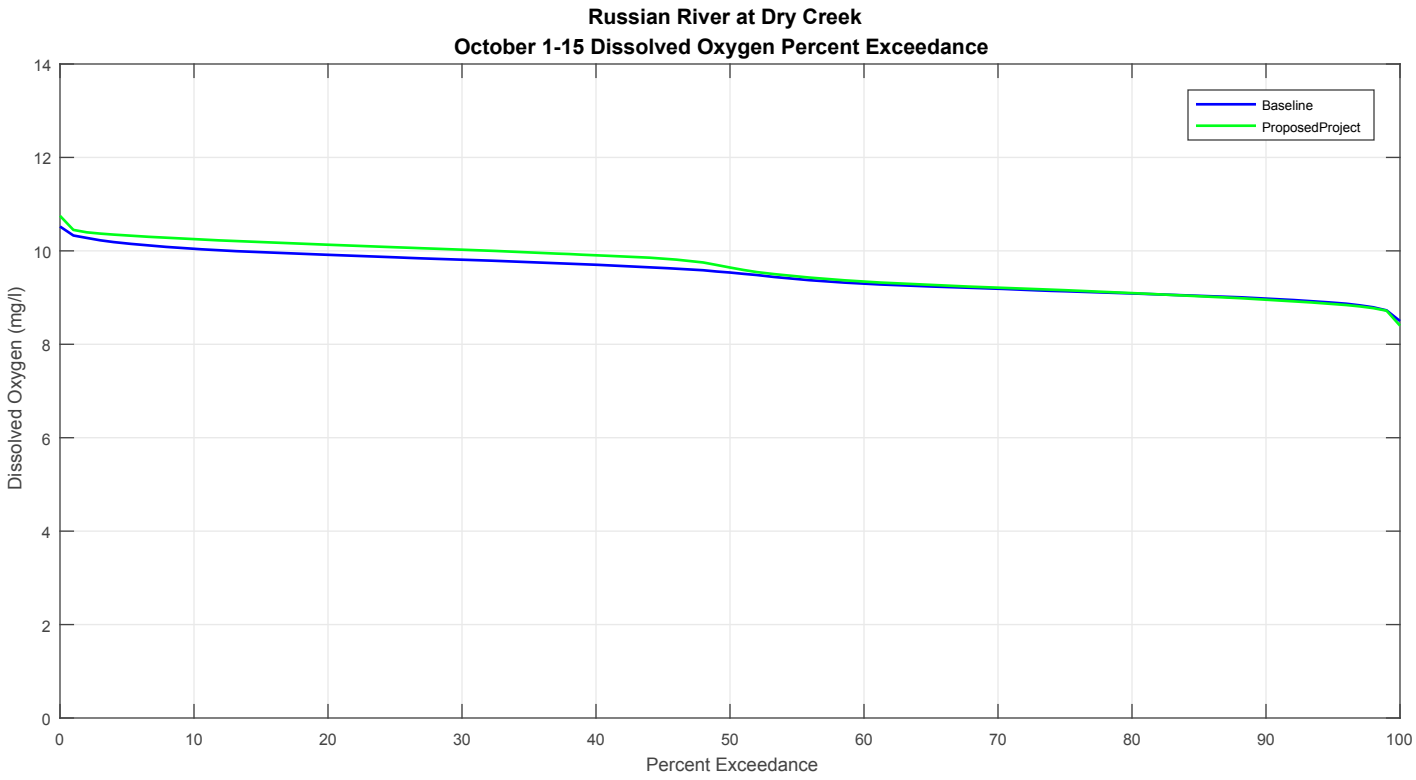
Russian River at Dry Creek
October 1-15 Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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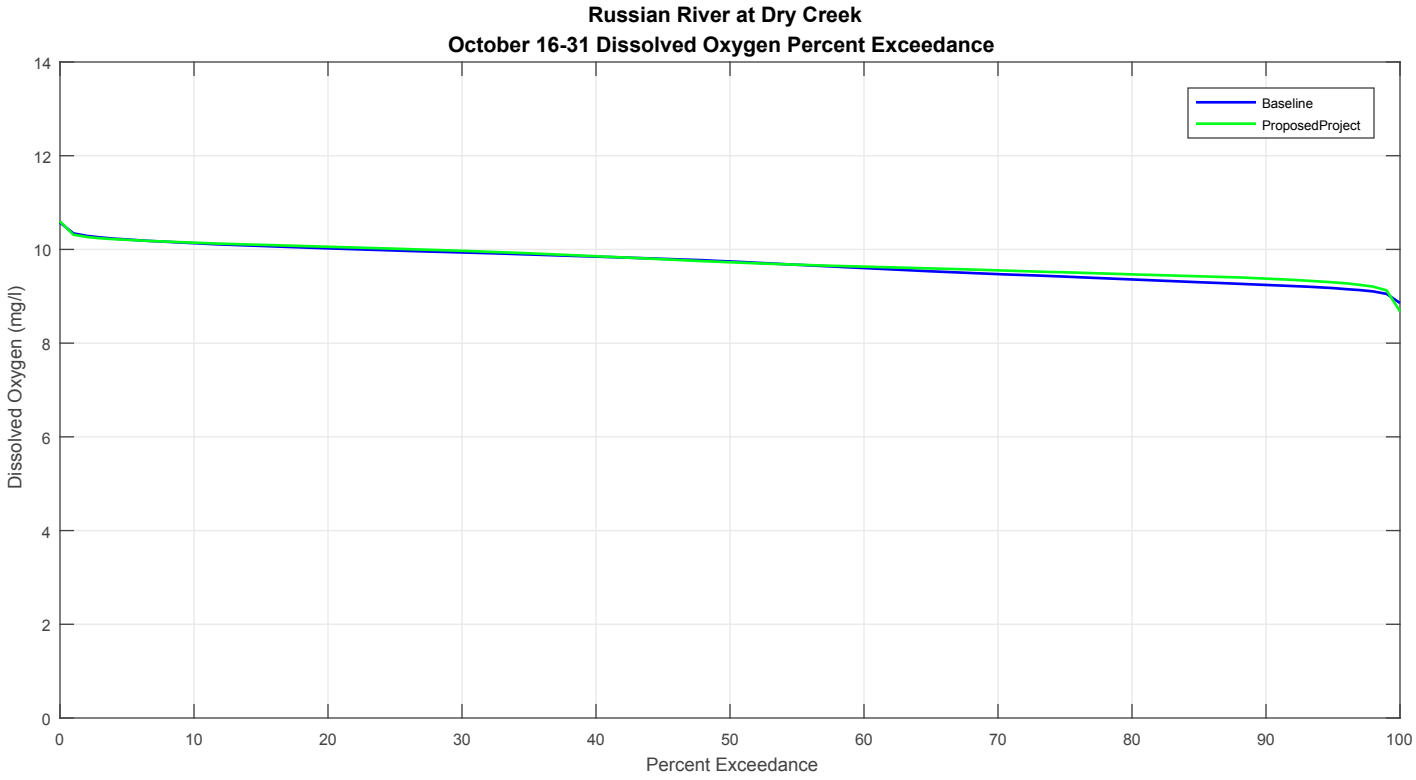
Russian River at Dry Creek
October 16-31 Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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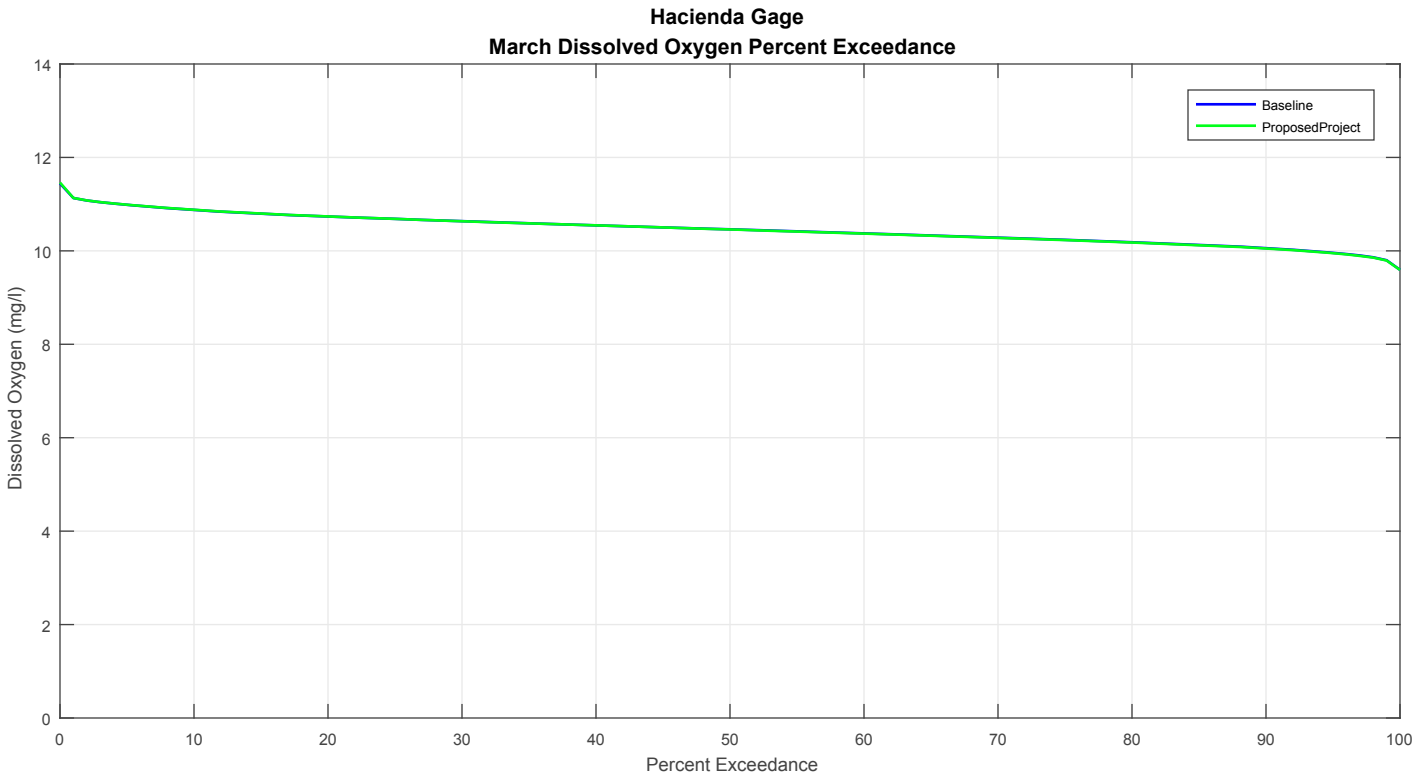
Hacienda Gage
March Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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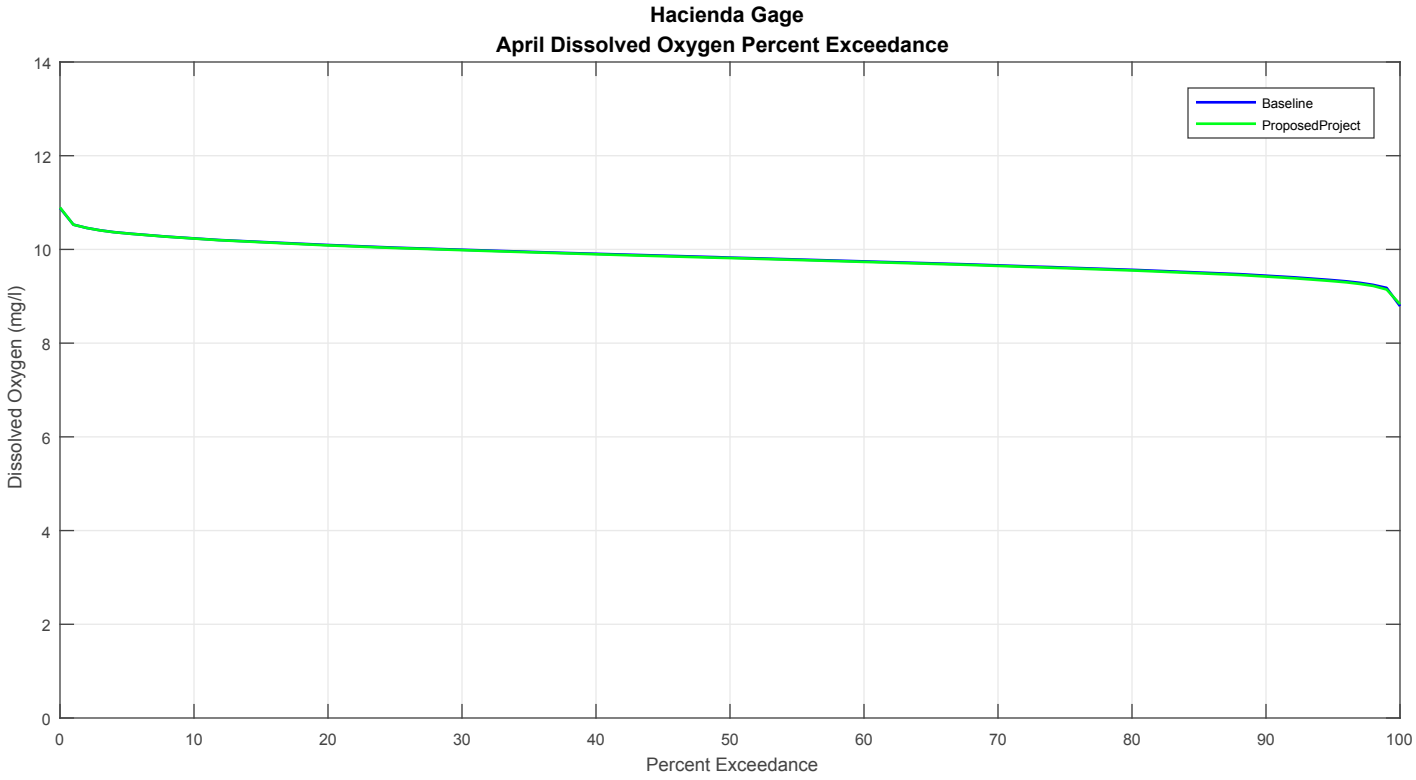
Hacienda Gage
April Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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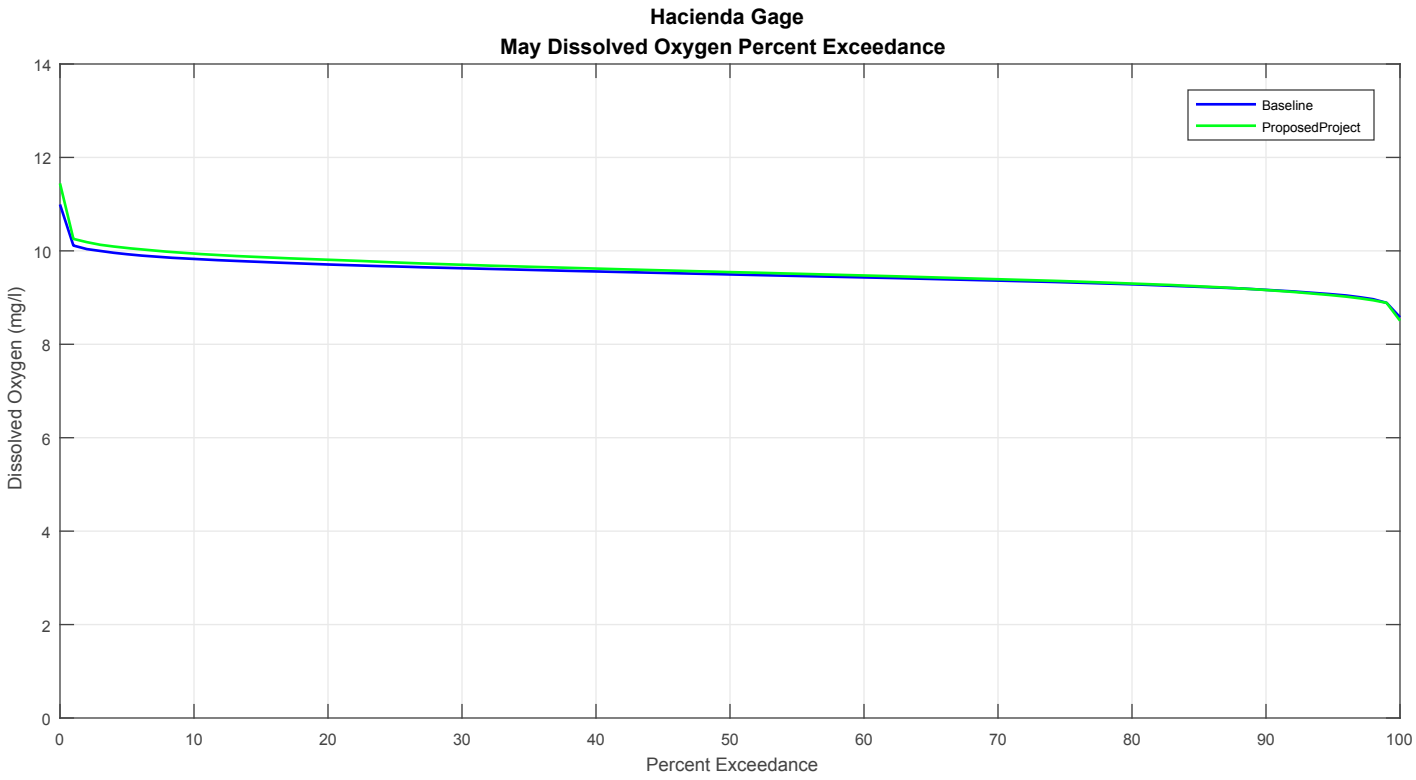
Hacienda Gage
May Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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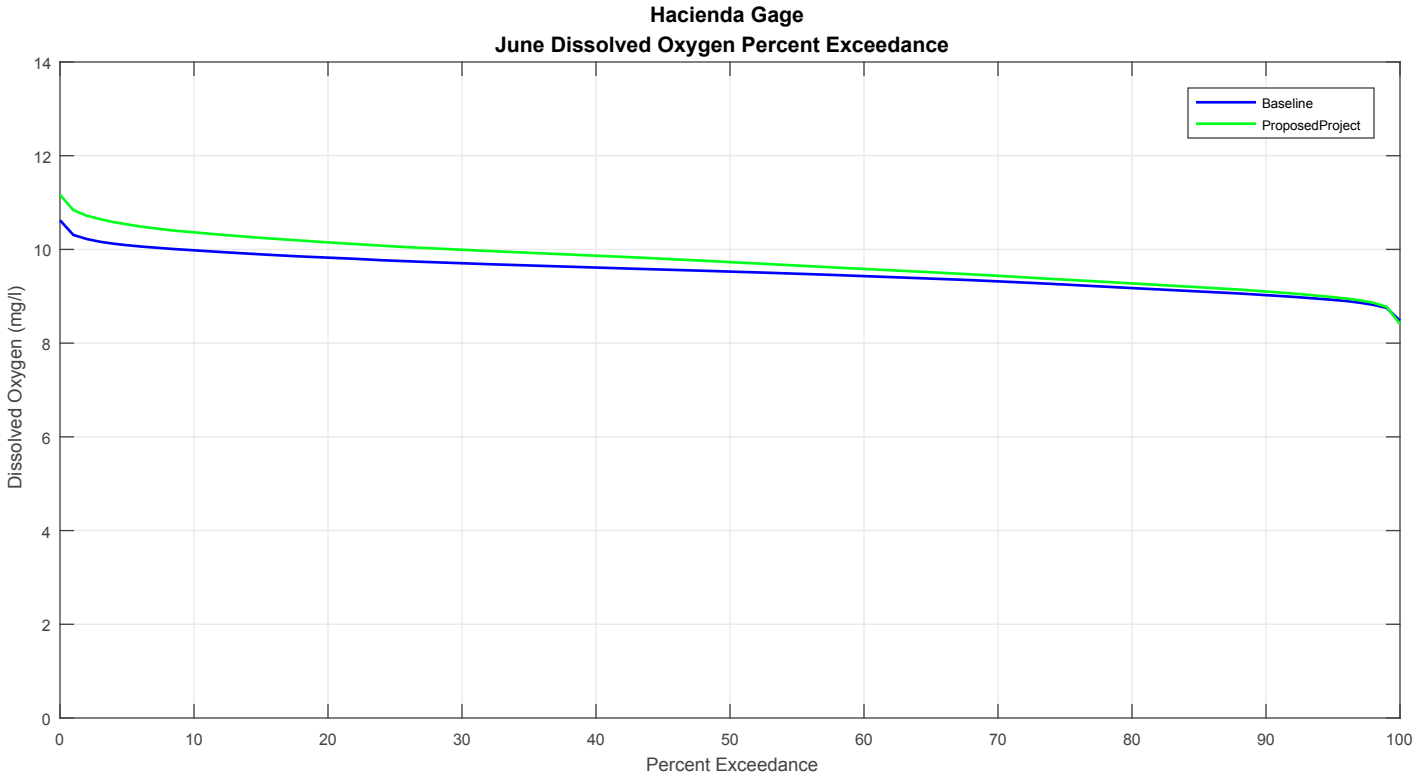
Hacienda Gage
June Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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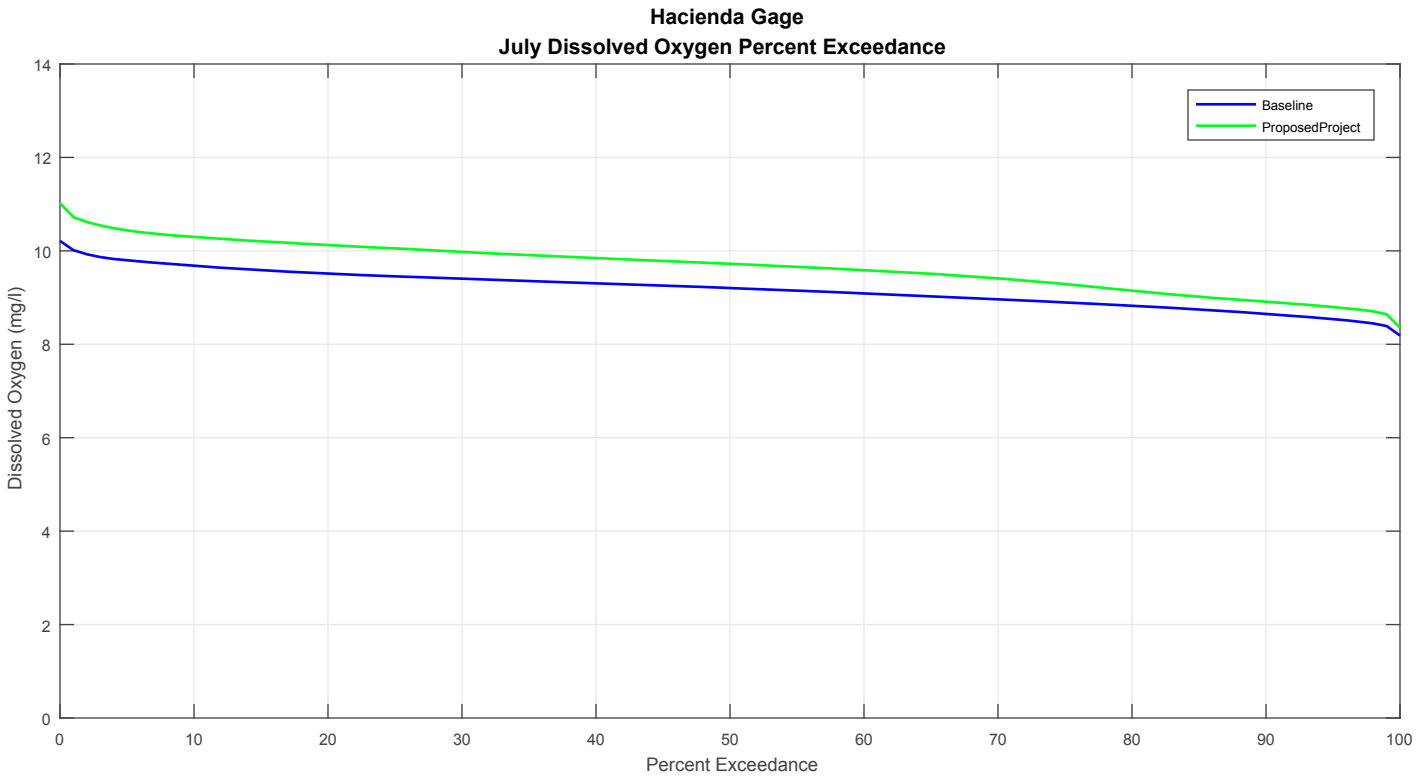
Hacienda Gage
July Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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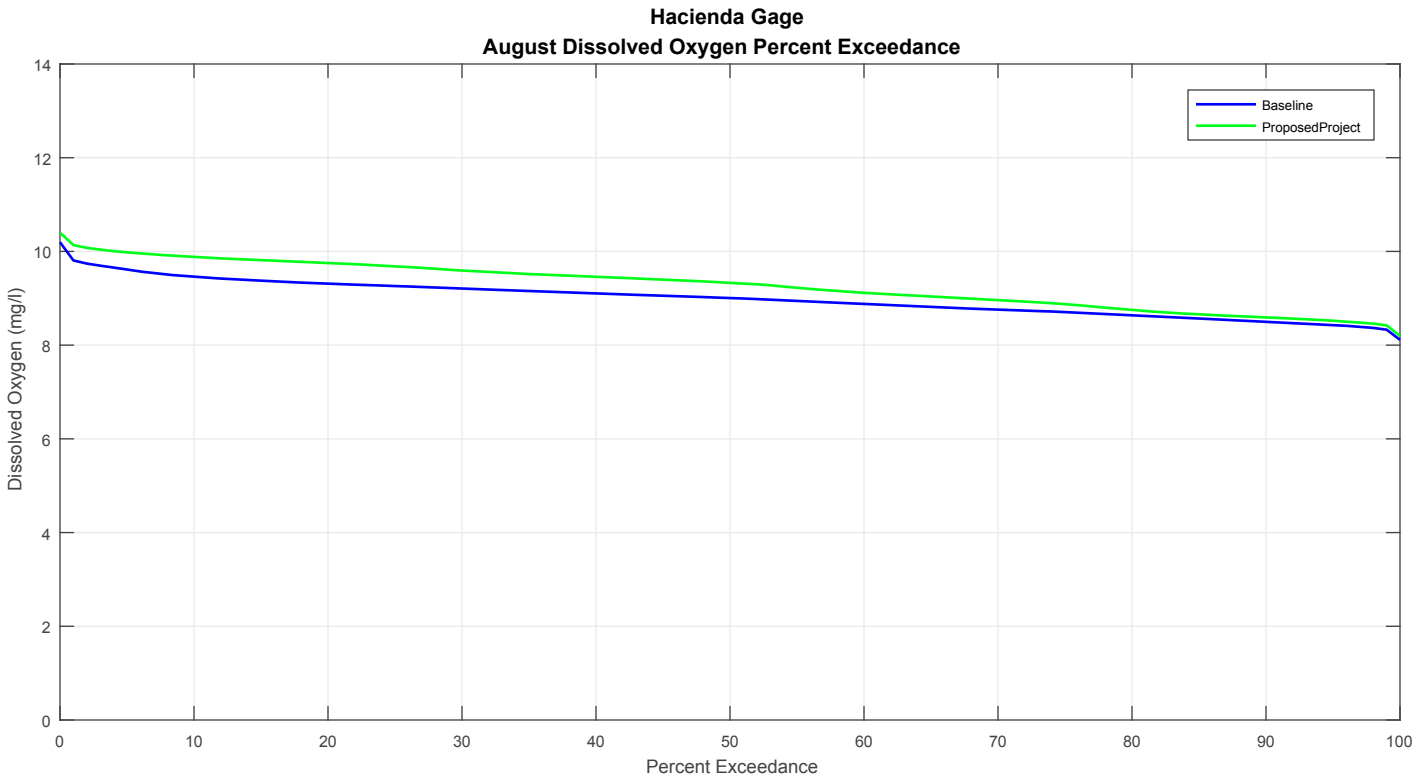
Hacienda Gage
August Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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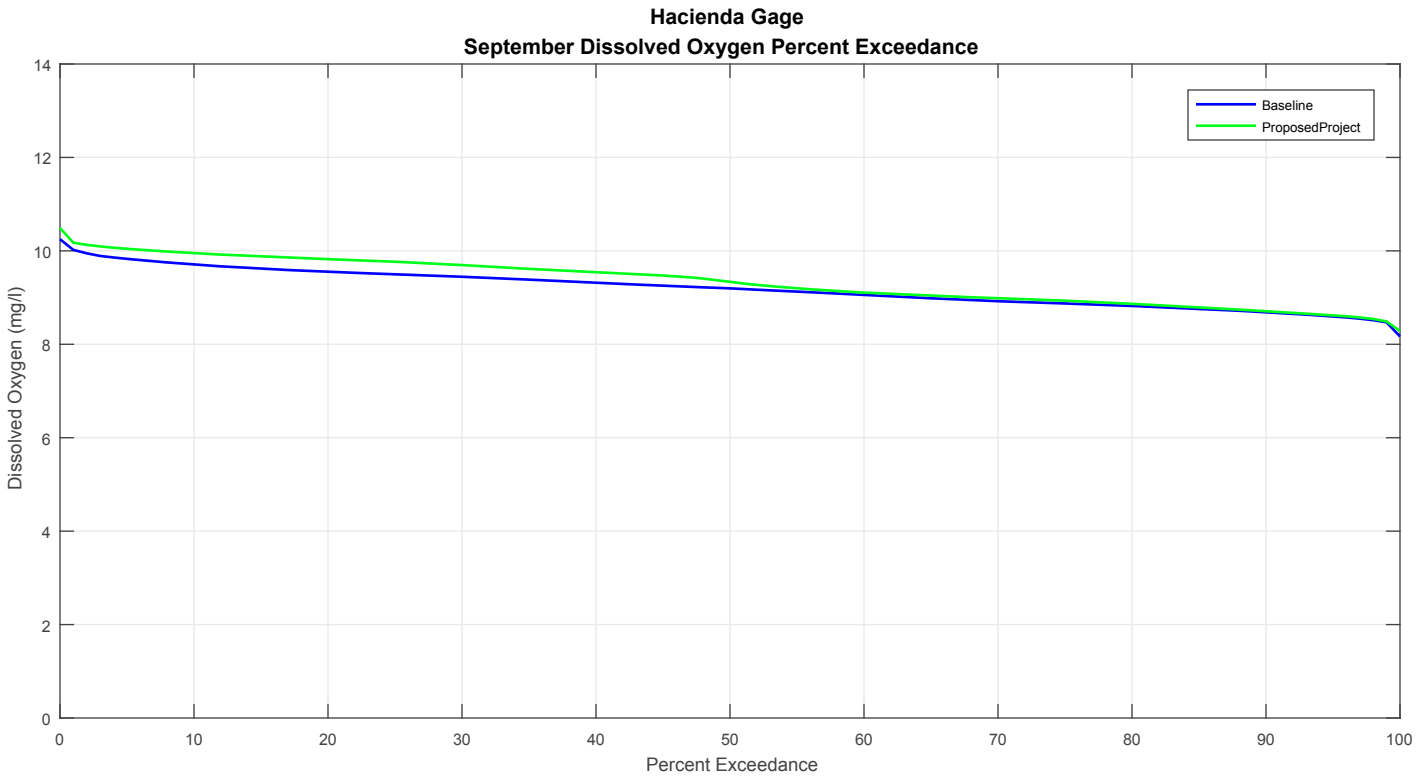
Hacienda Gage
September Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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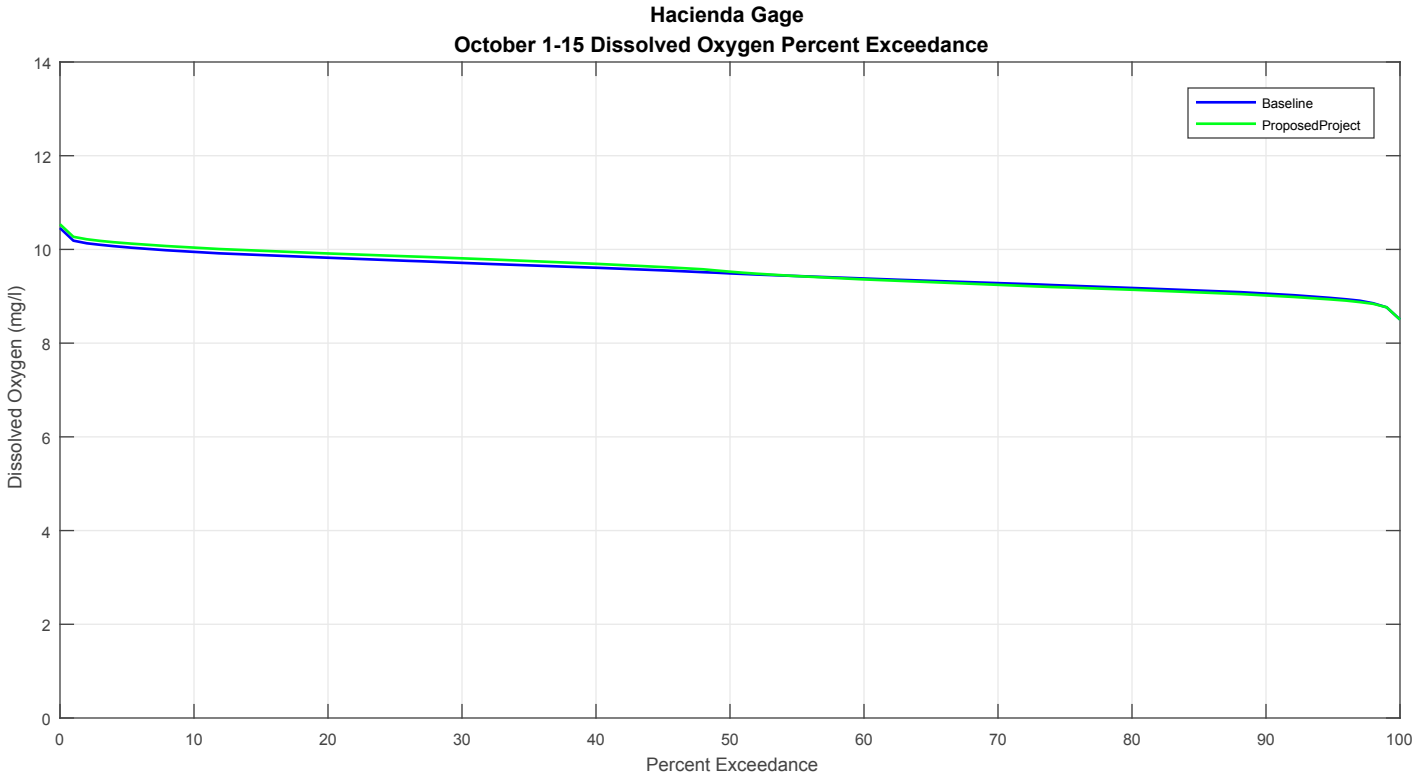
Hacienda Gage
October 1-15 Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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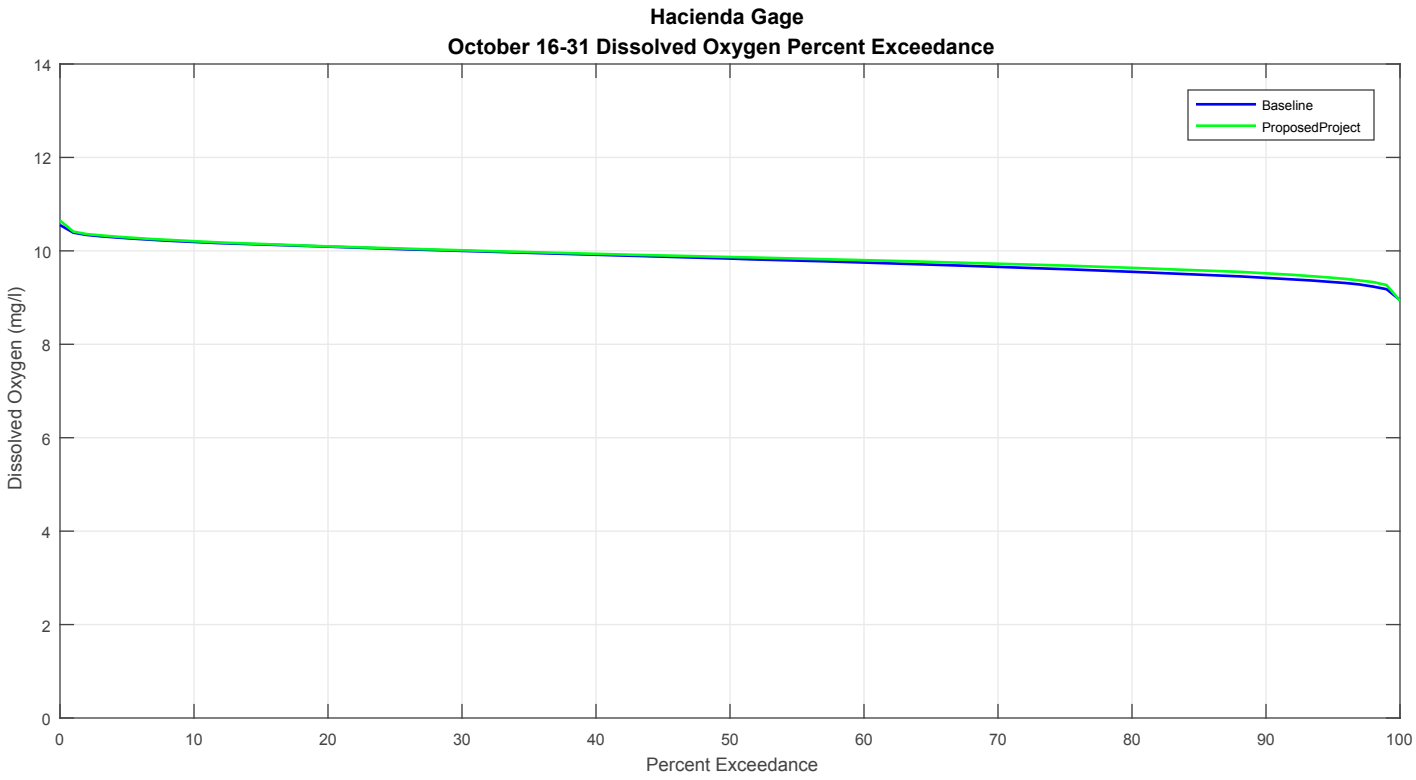
Hacienda Gage
October 16-31 Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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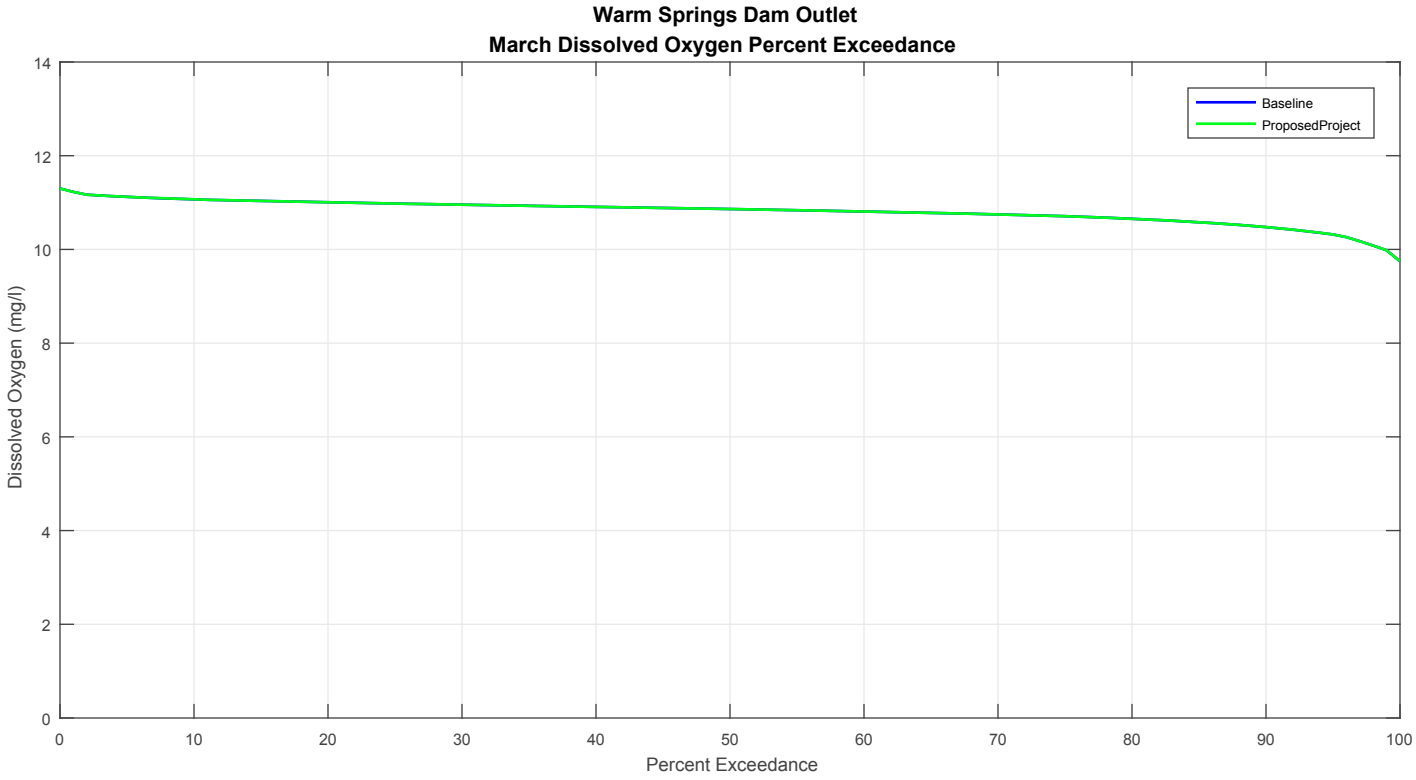
Warm Springs Dam Outlet
March Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
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14
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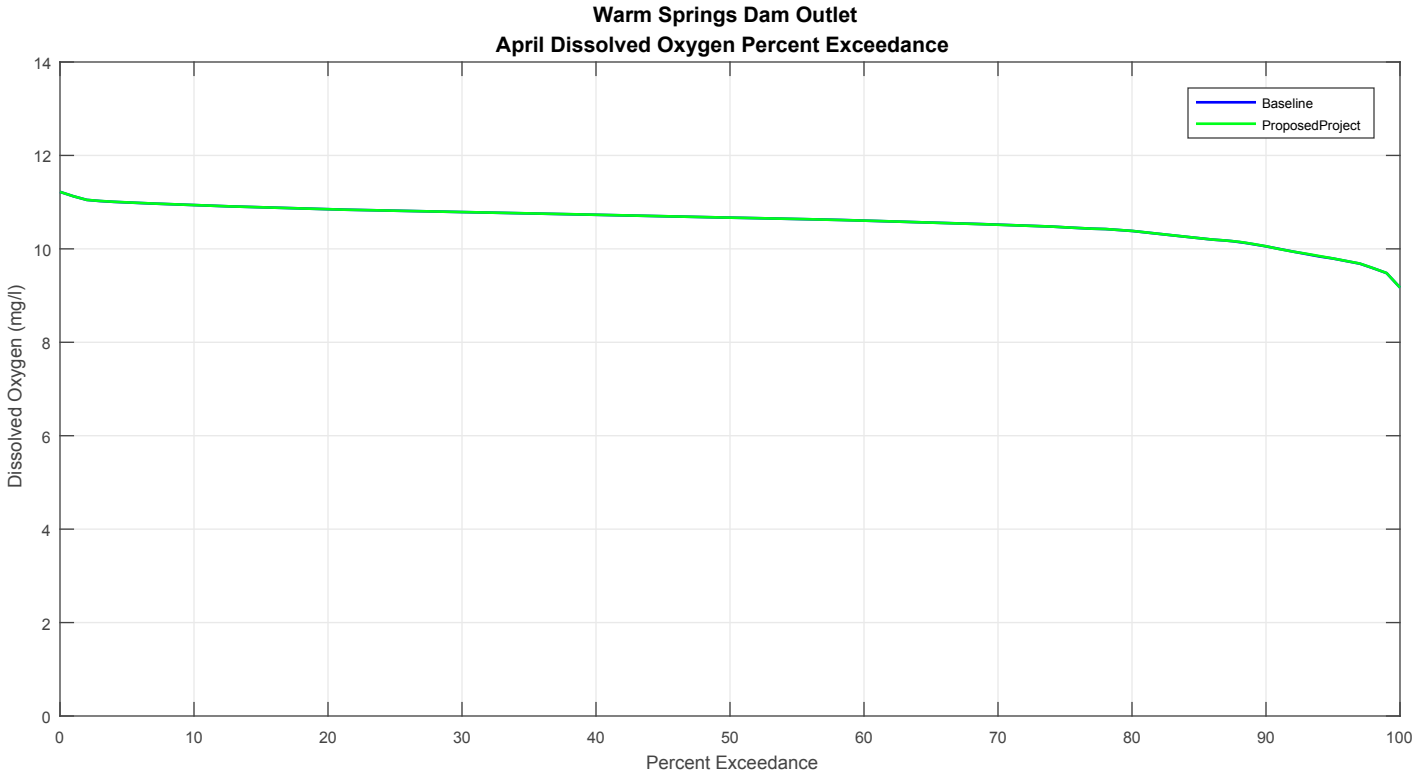
Warm Springs Dam Outlet
April Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
0
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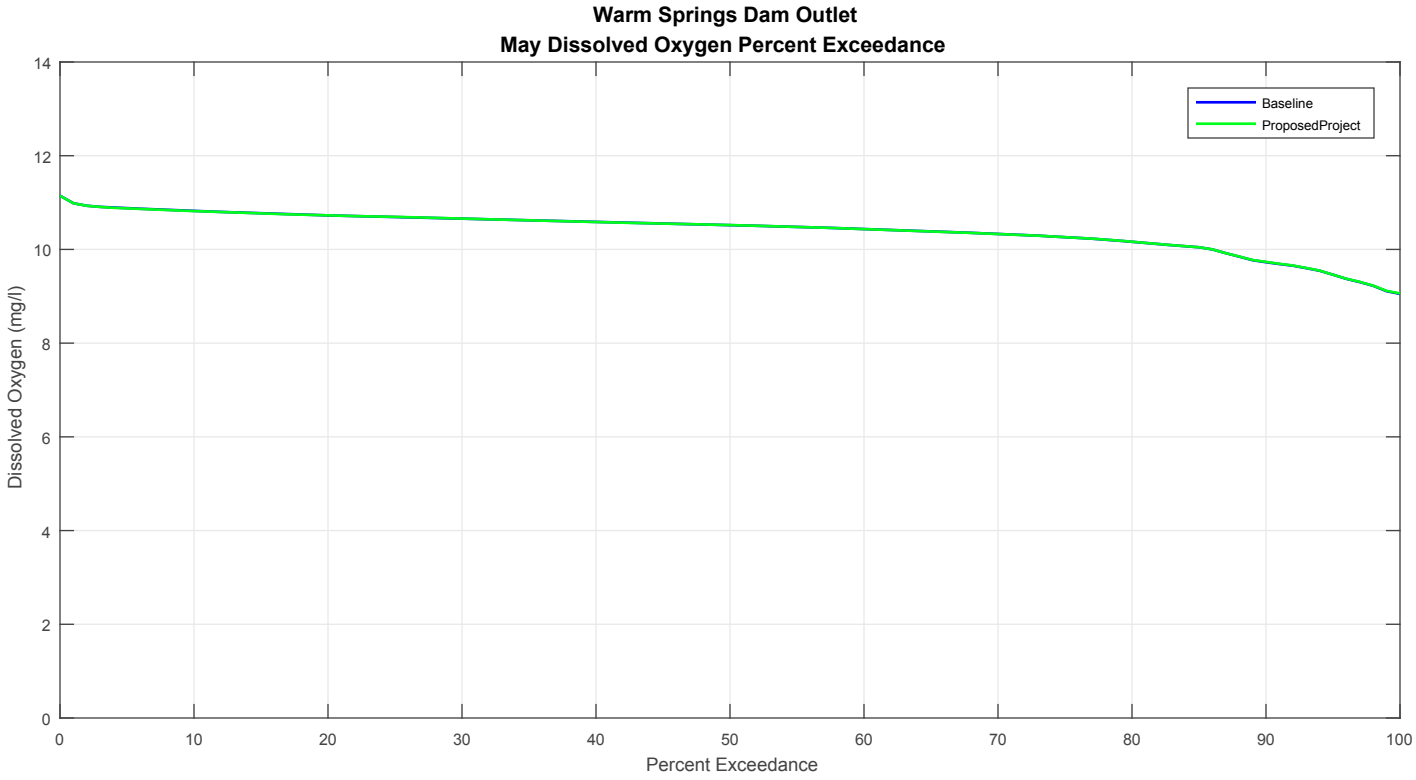
Warm Springs Dam Outlet
May Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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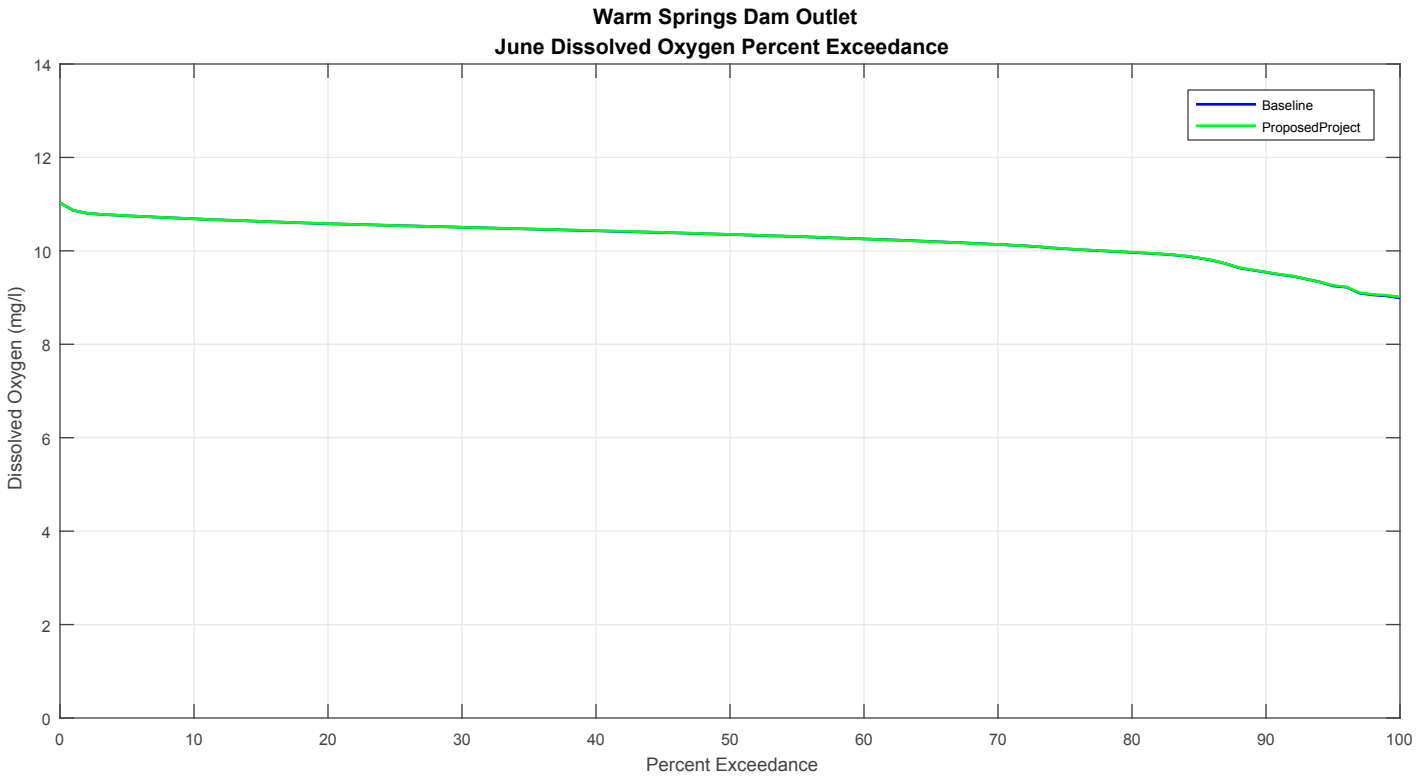
Warm Springs Dam Outlet
June Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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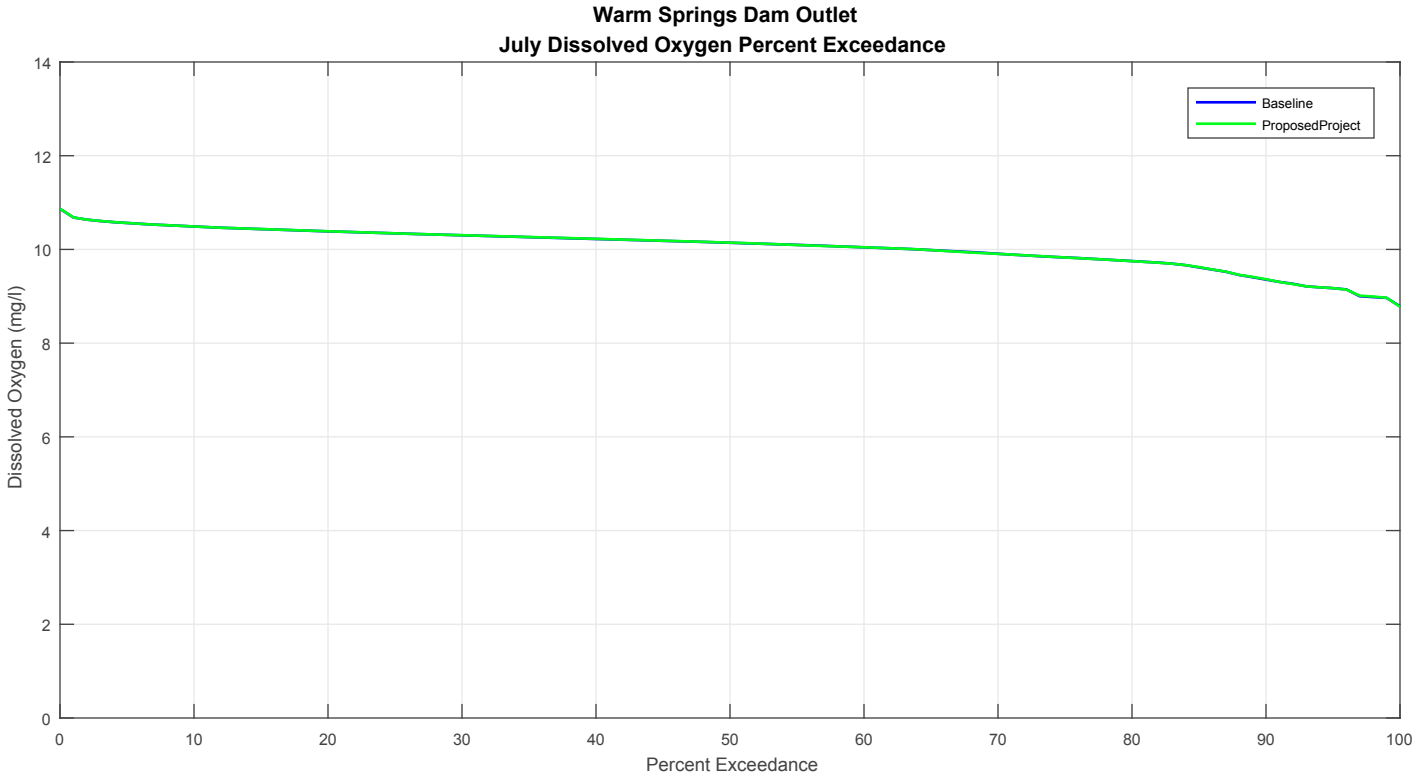
Warm Springs Dam Outlet
July Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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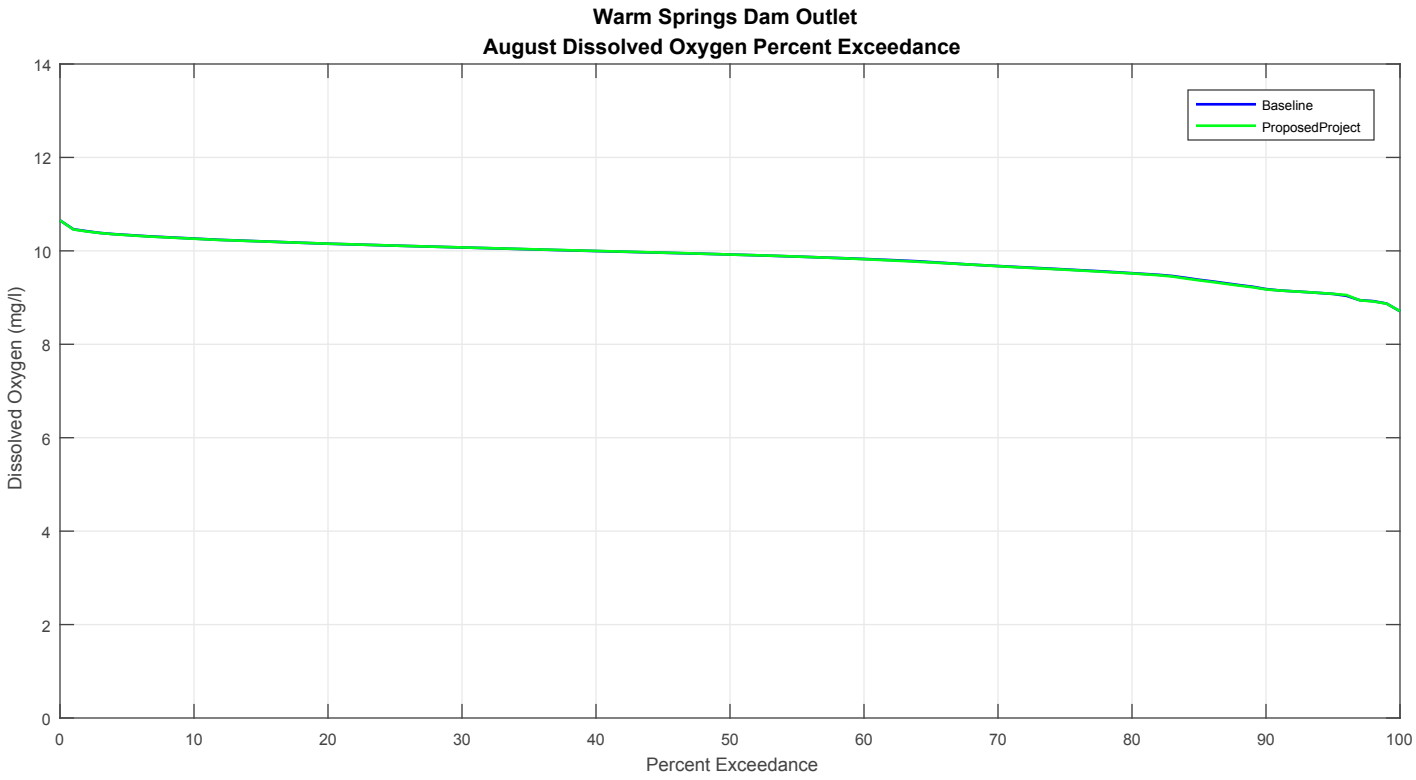
Warm Springs Dam Outlet
August Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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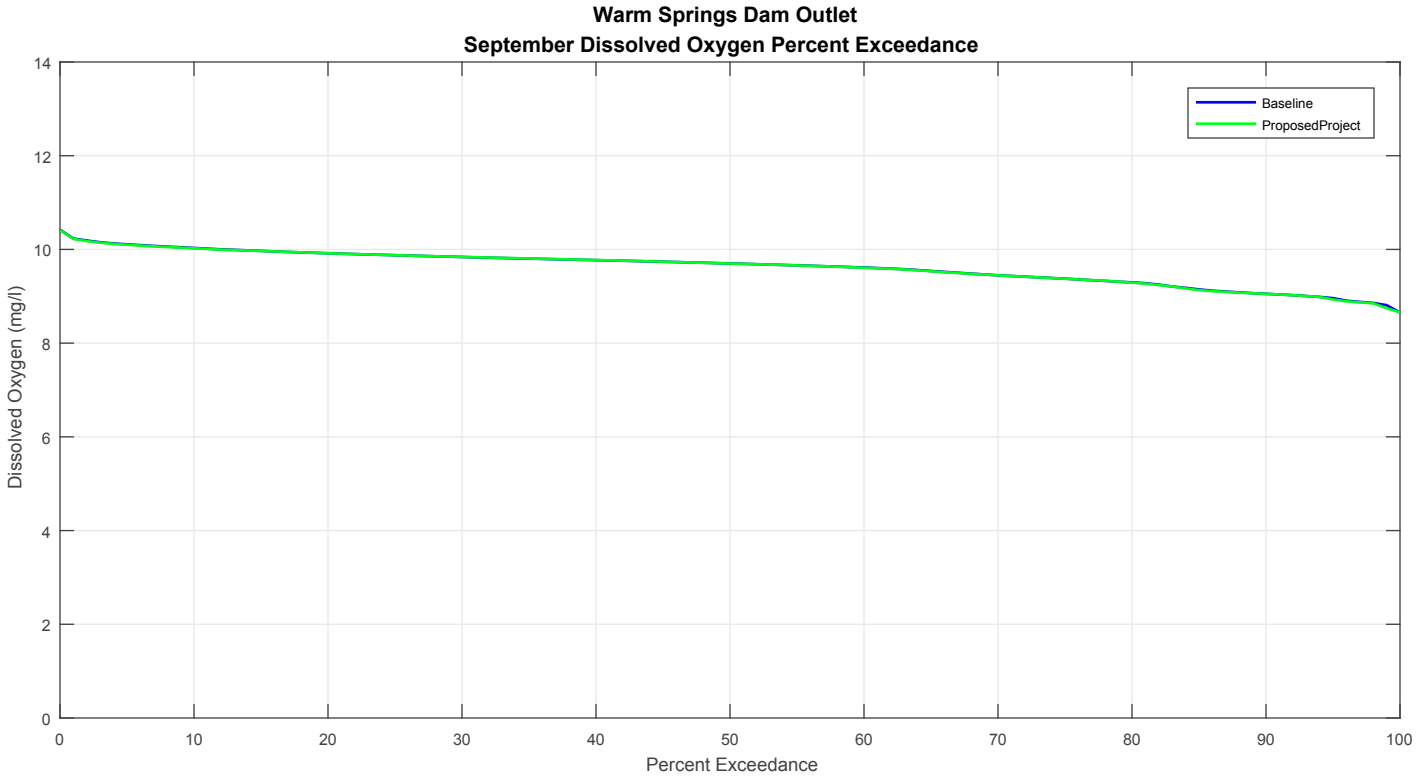
Warm Springs Dam Outlet
September Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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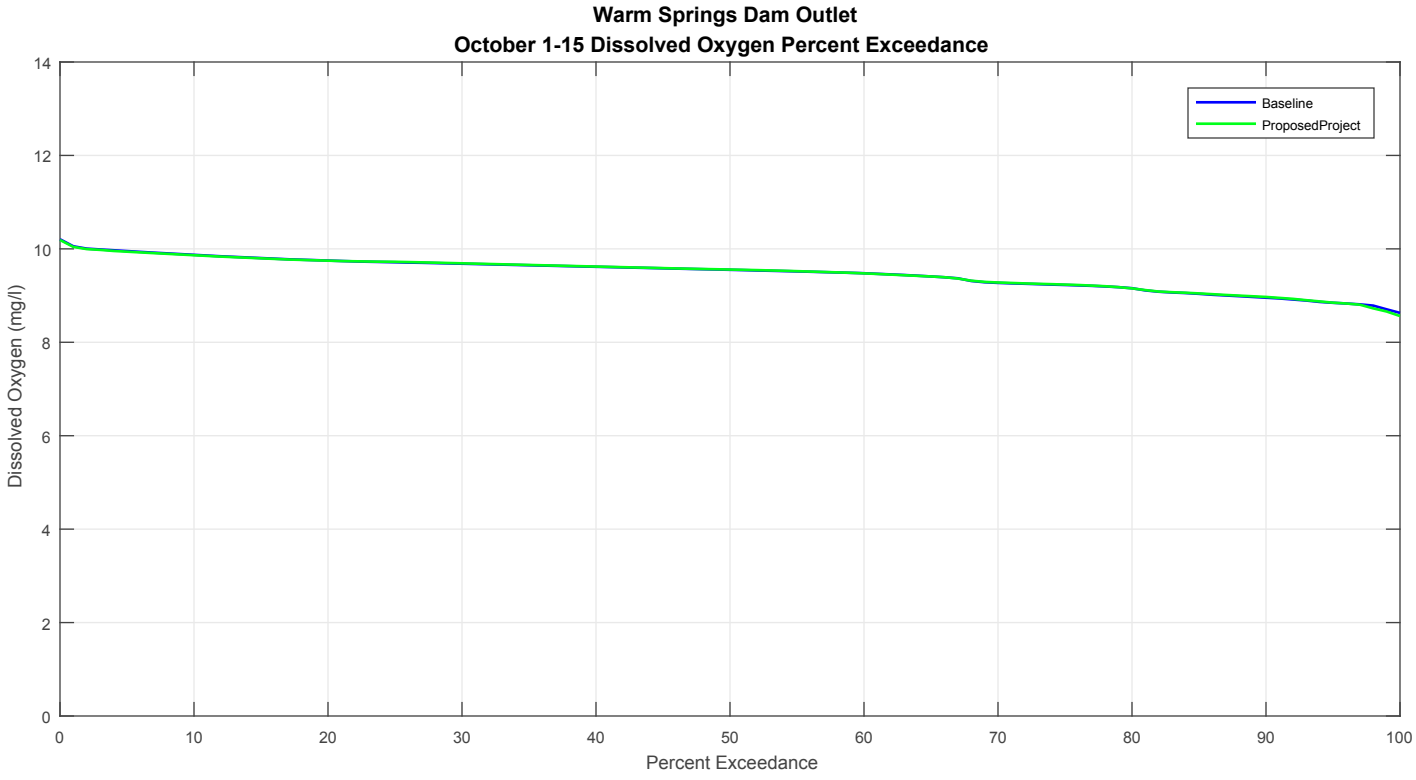
Warm Springs Dam Outlet
October 1-15 Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
0
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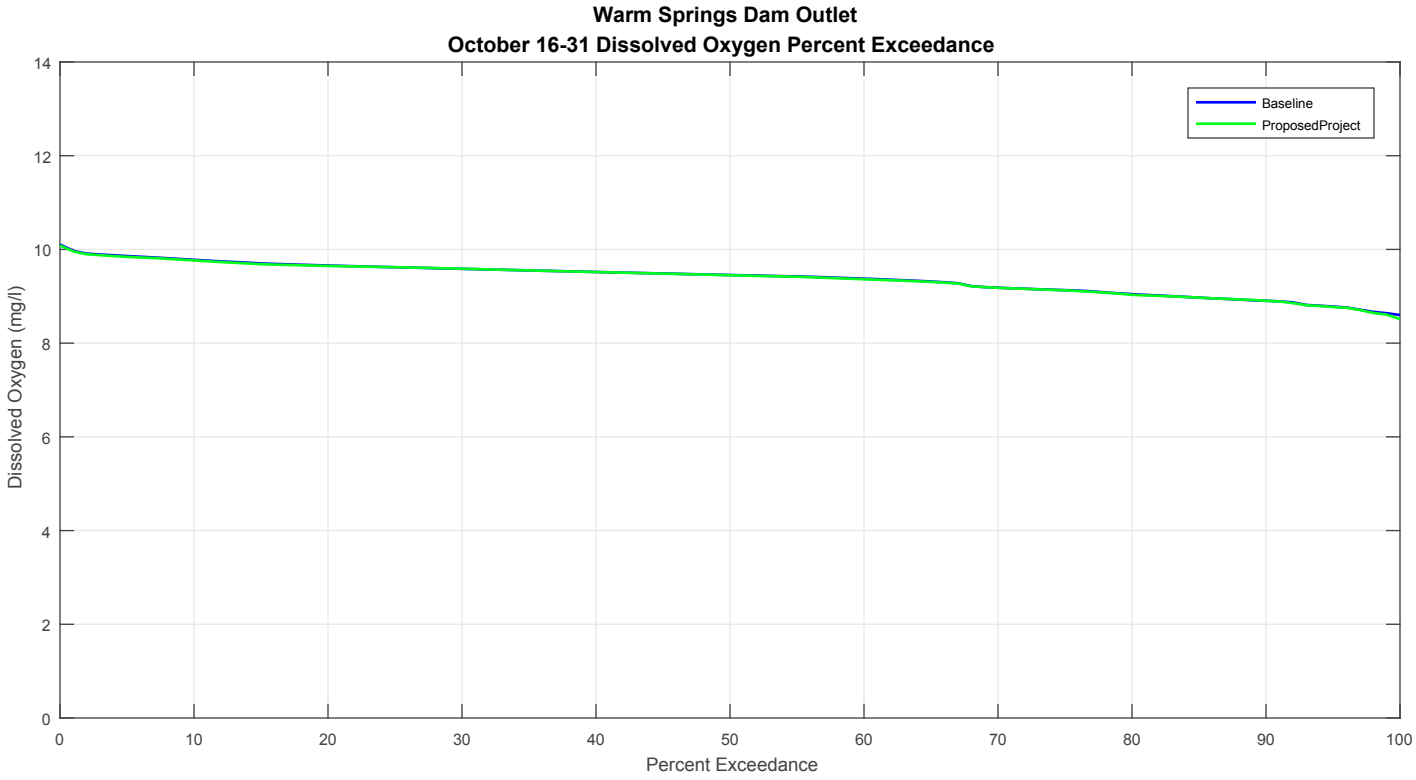
Warm Springs Dam Outlet
October 16-31 Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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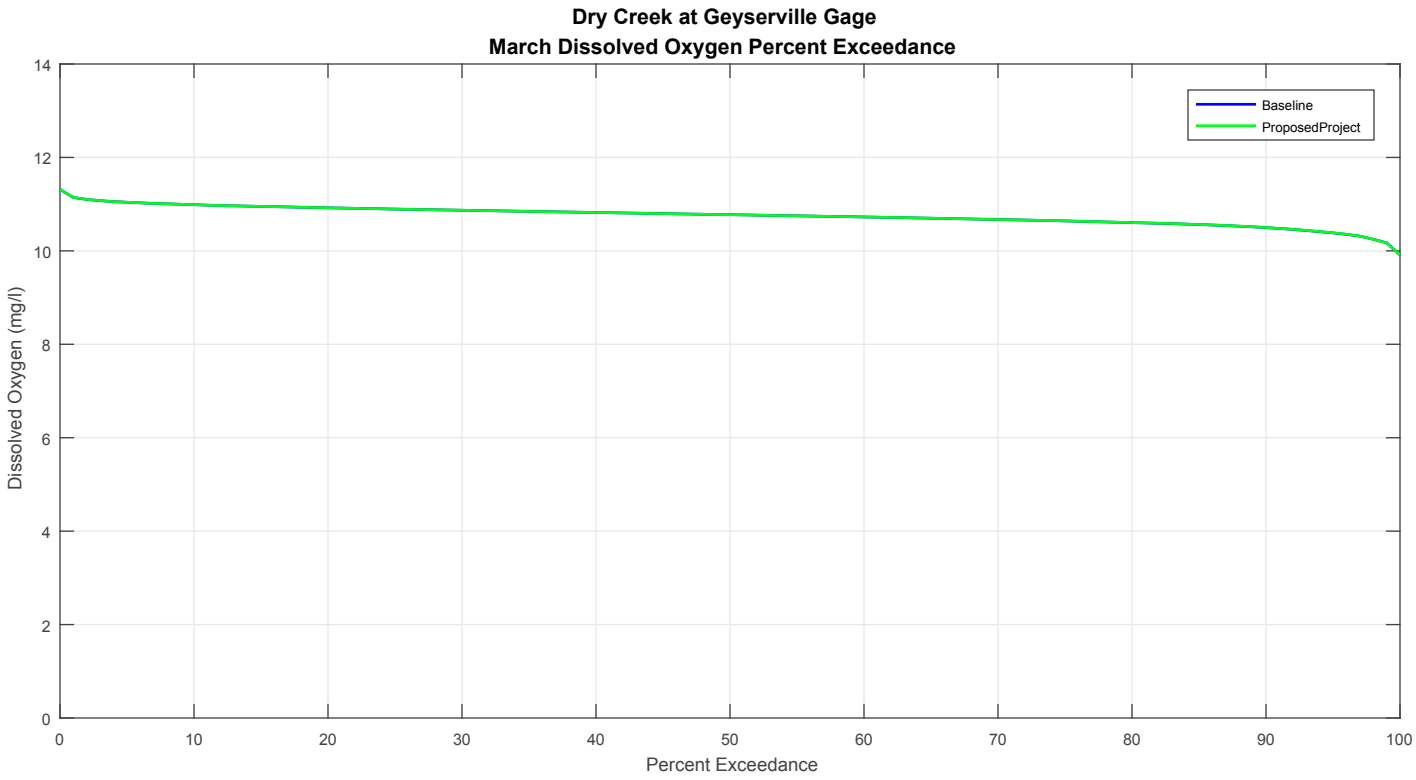
Dry Creek at Geyserville Gage
March Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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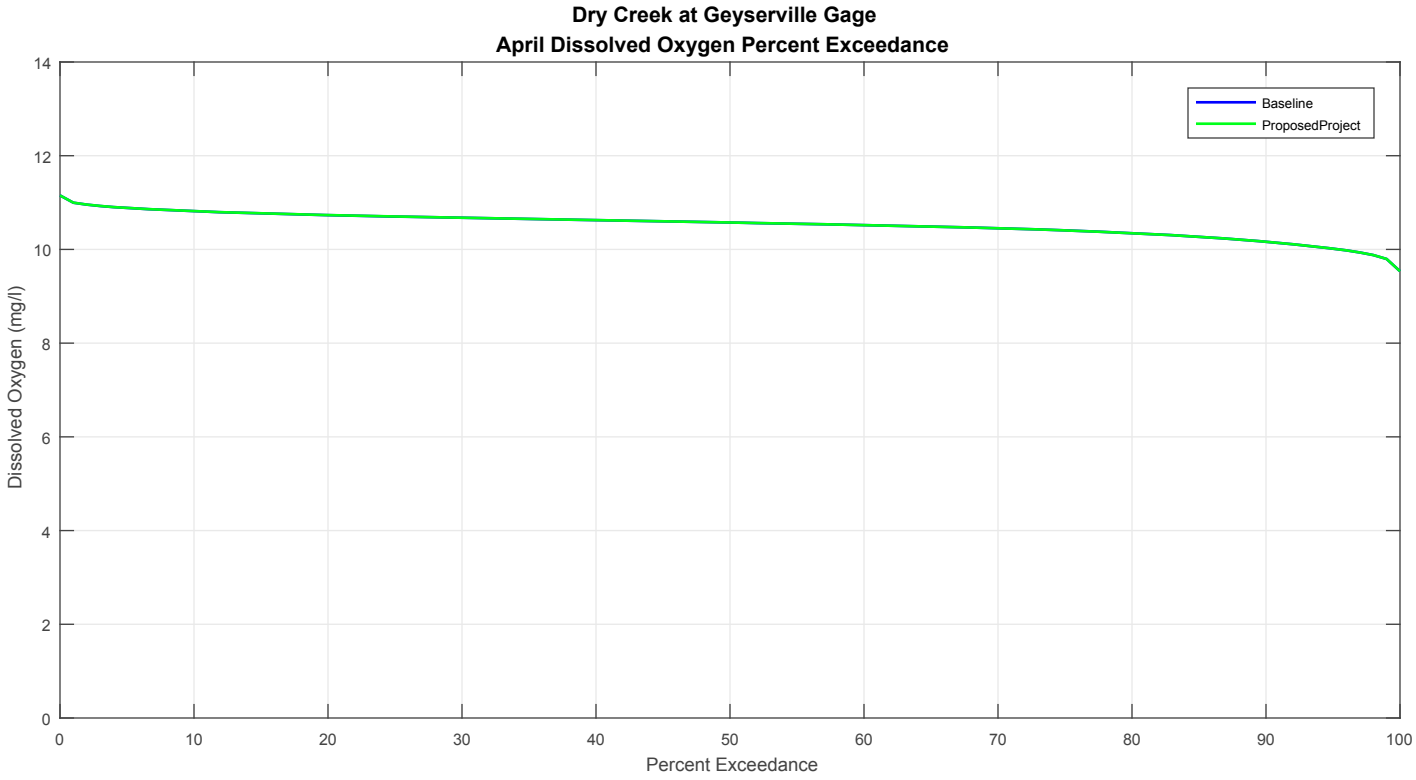
Dry Creek at Geyserville Gage
April Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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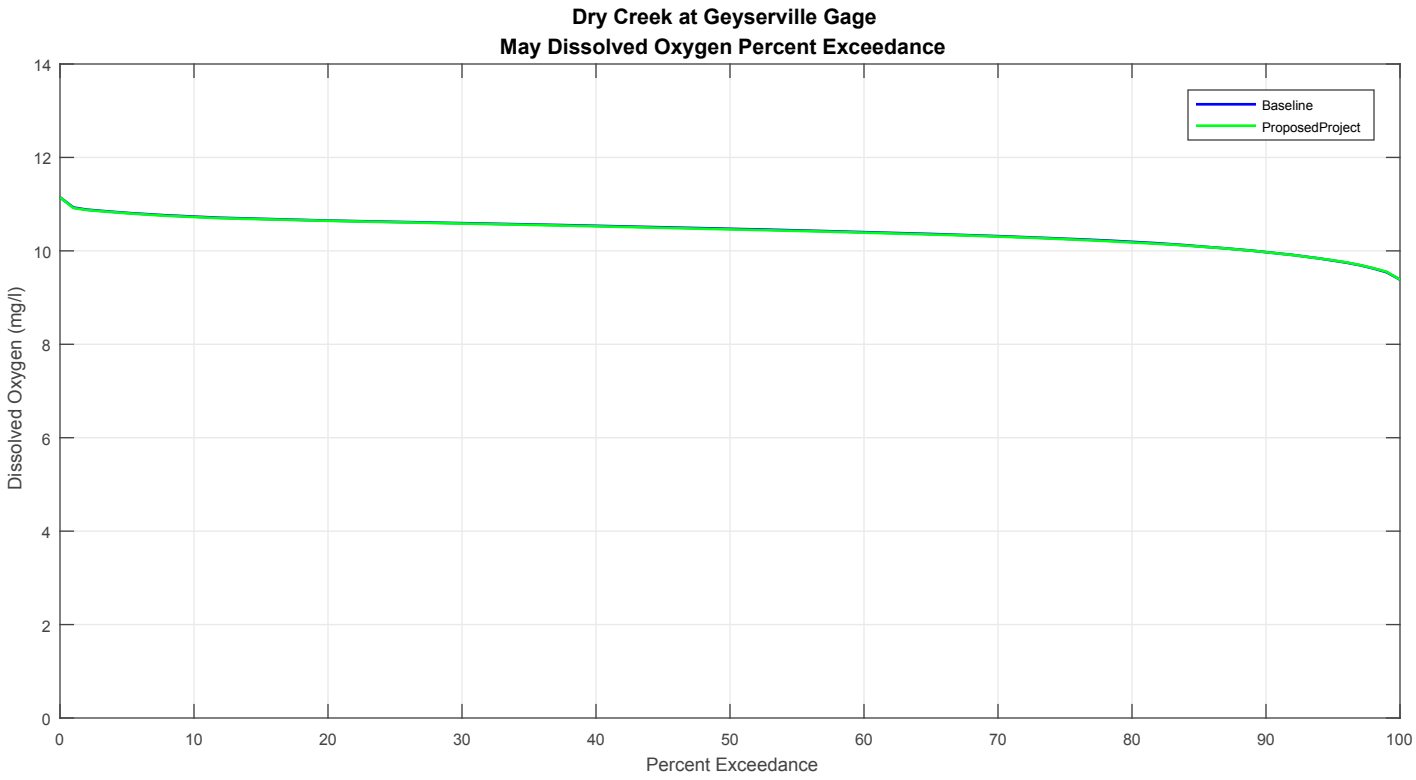
Dry Creek at Geyserville Gage
May Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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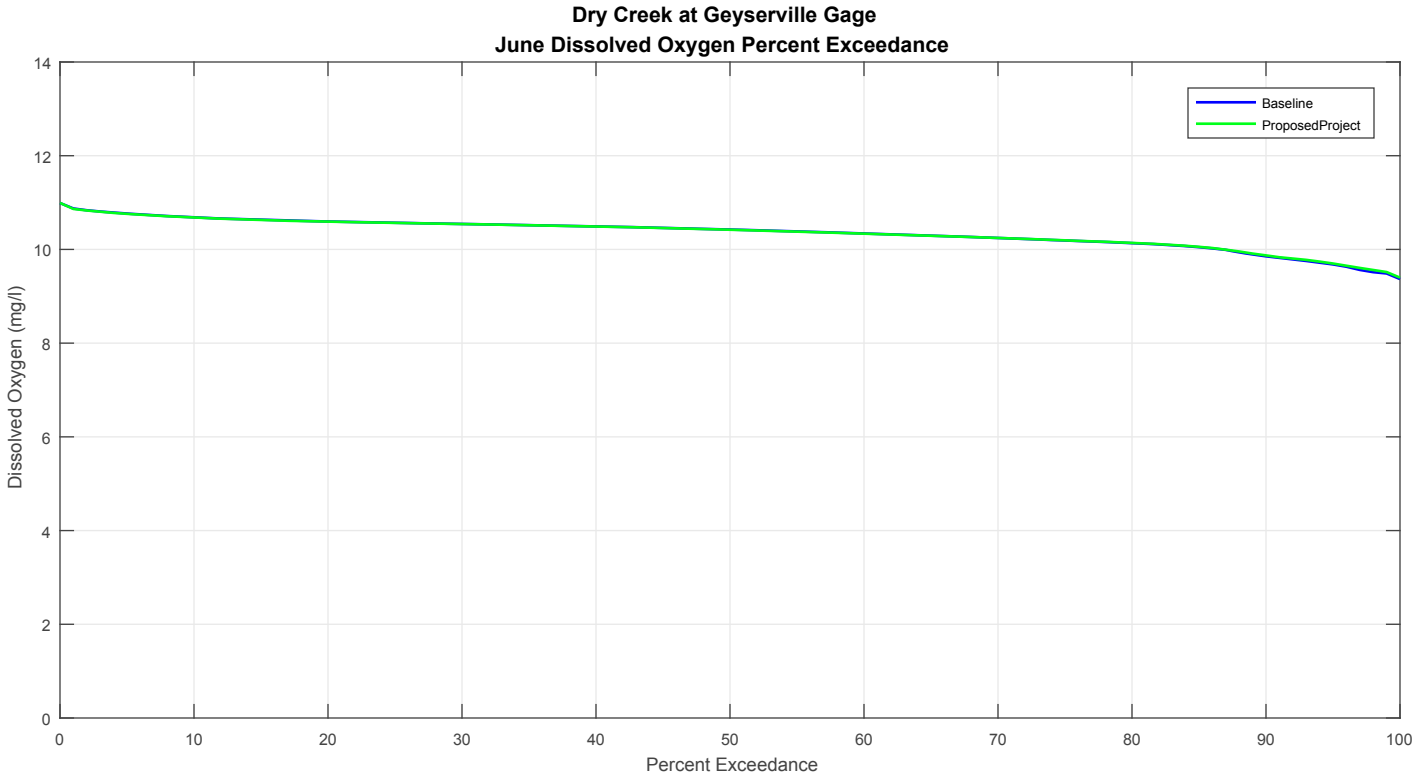
Dry Creek at Geyserville Gage
June Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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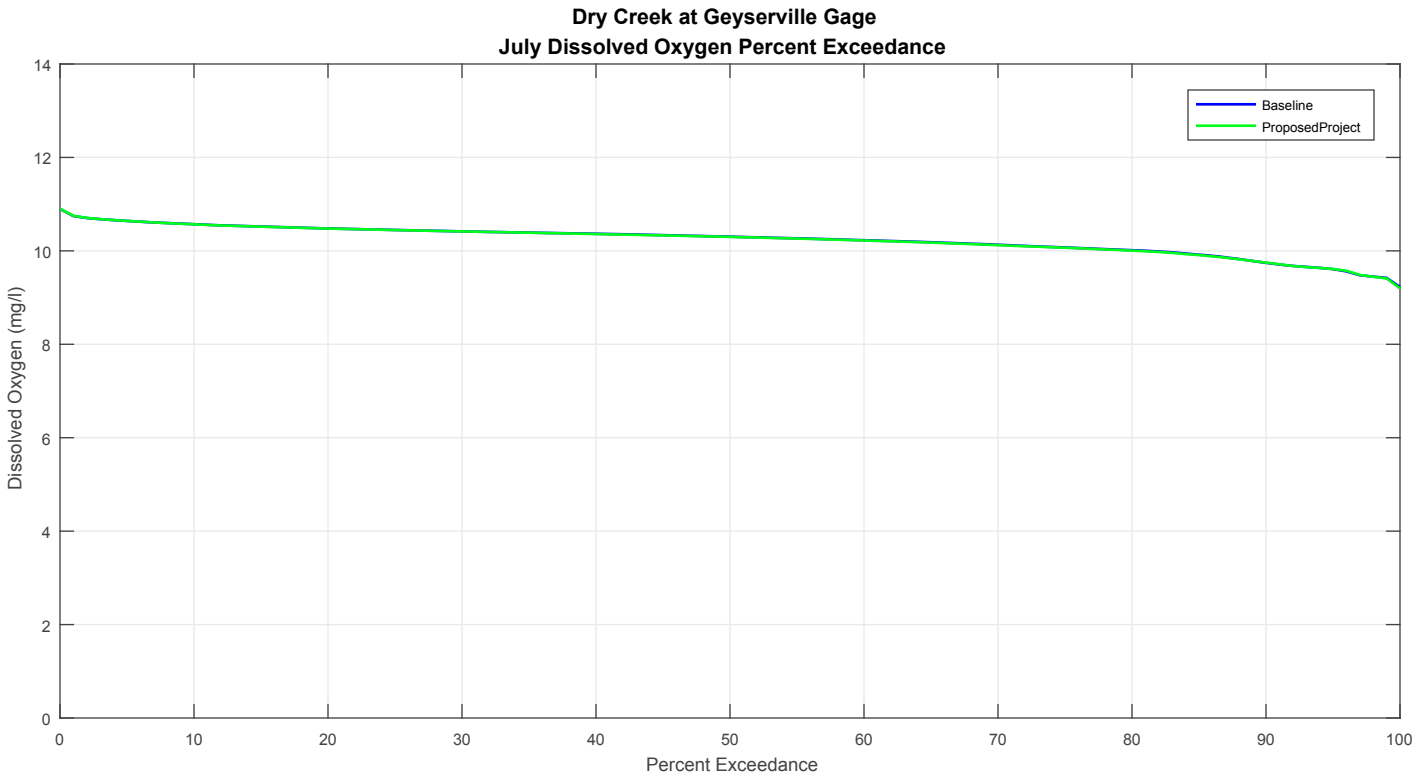
Dry Creek at Geyserville Gage
July Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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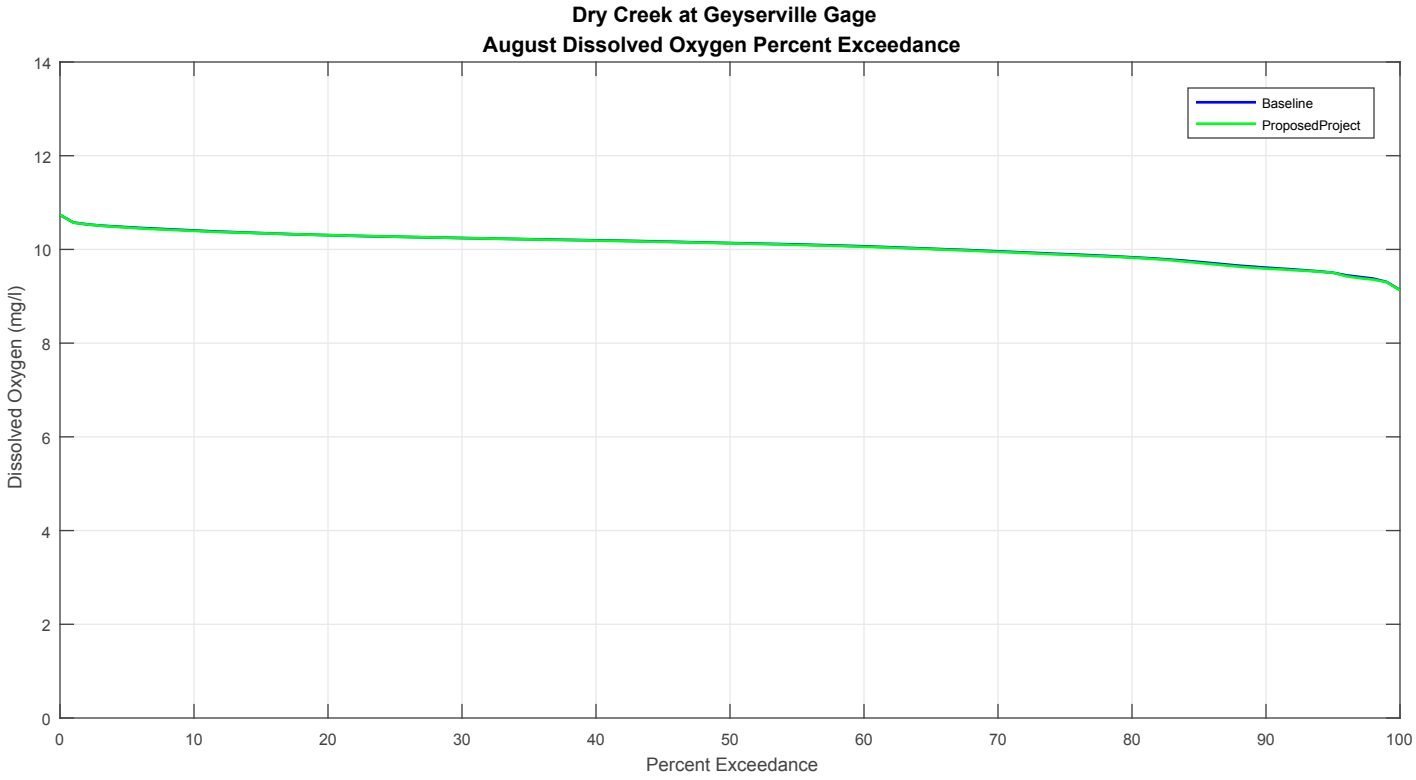
Dry Creek at Geyserville Gage
August Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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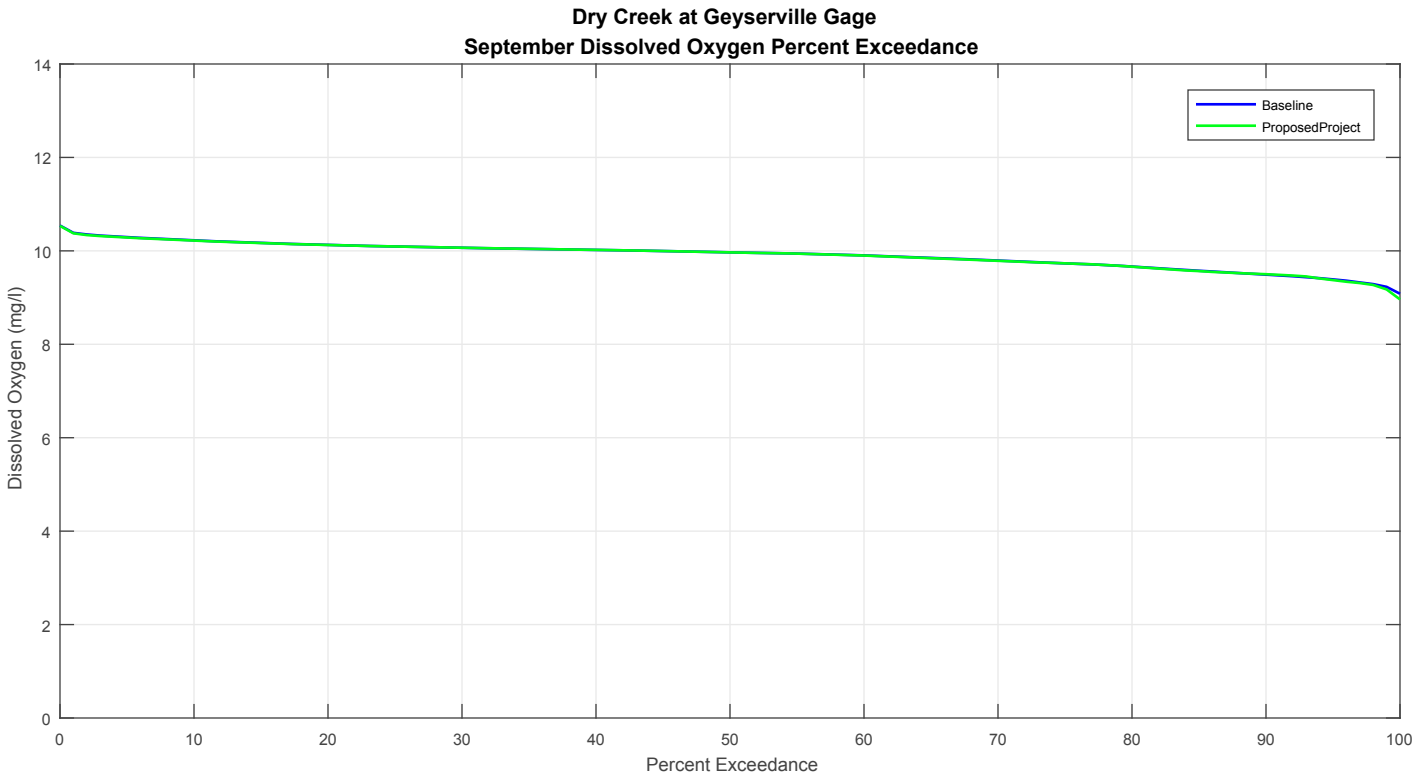
Dry Creek at Geyserville Gage
September Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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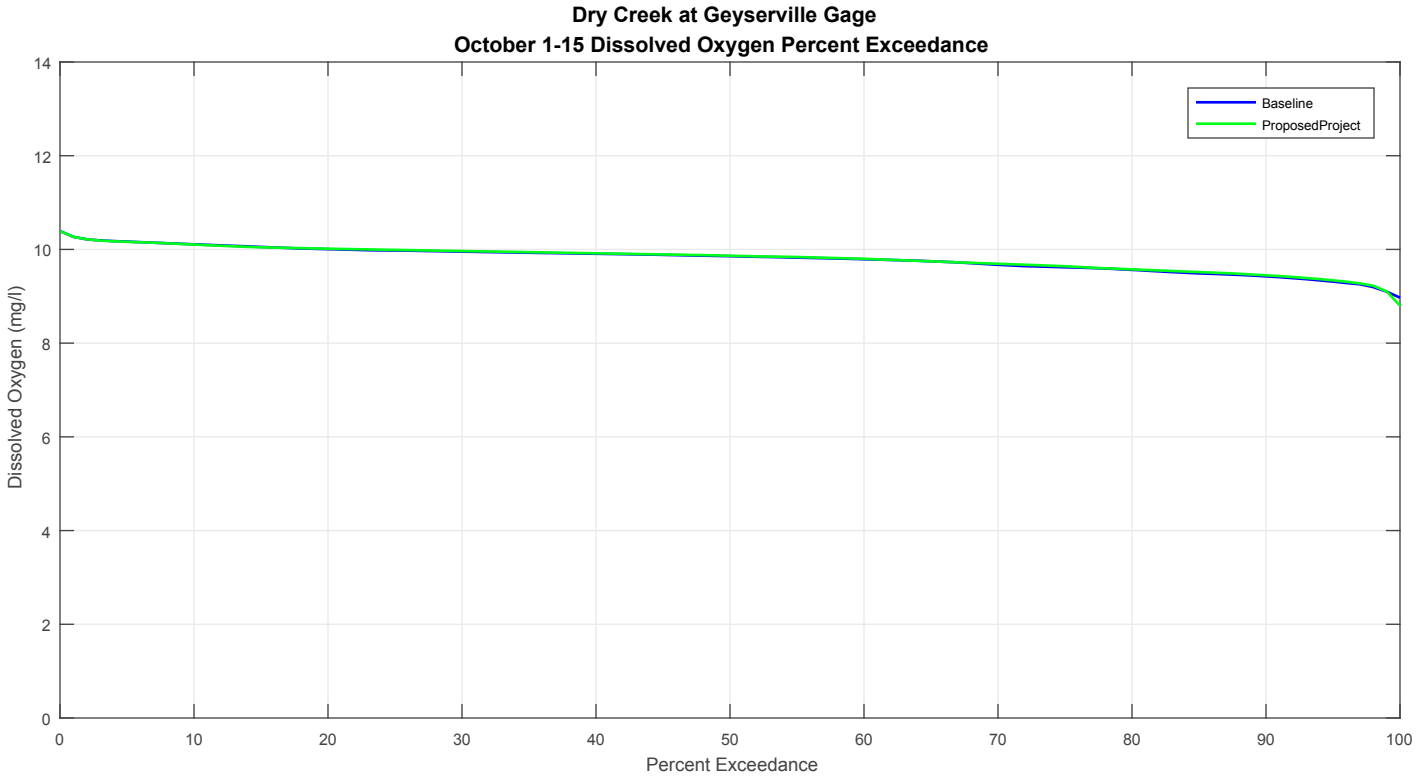
Dry Creek at Geyserville Gage
October 1-15 Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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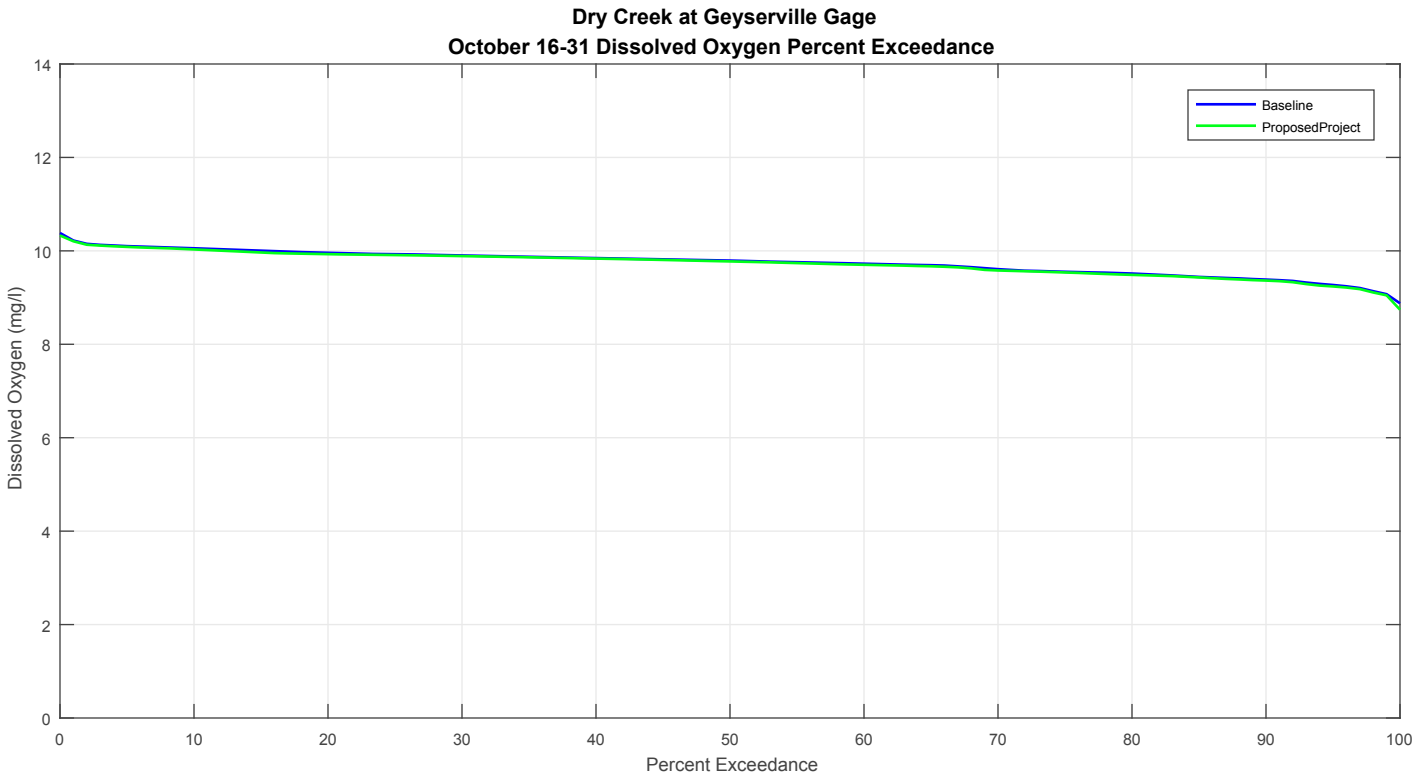
Dry Creek at Geyserville Gage
October 16-31 Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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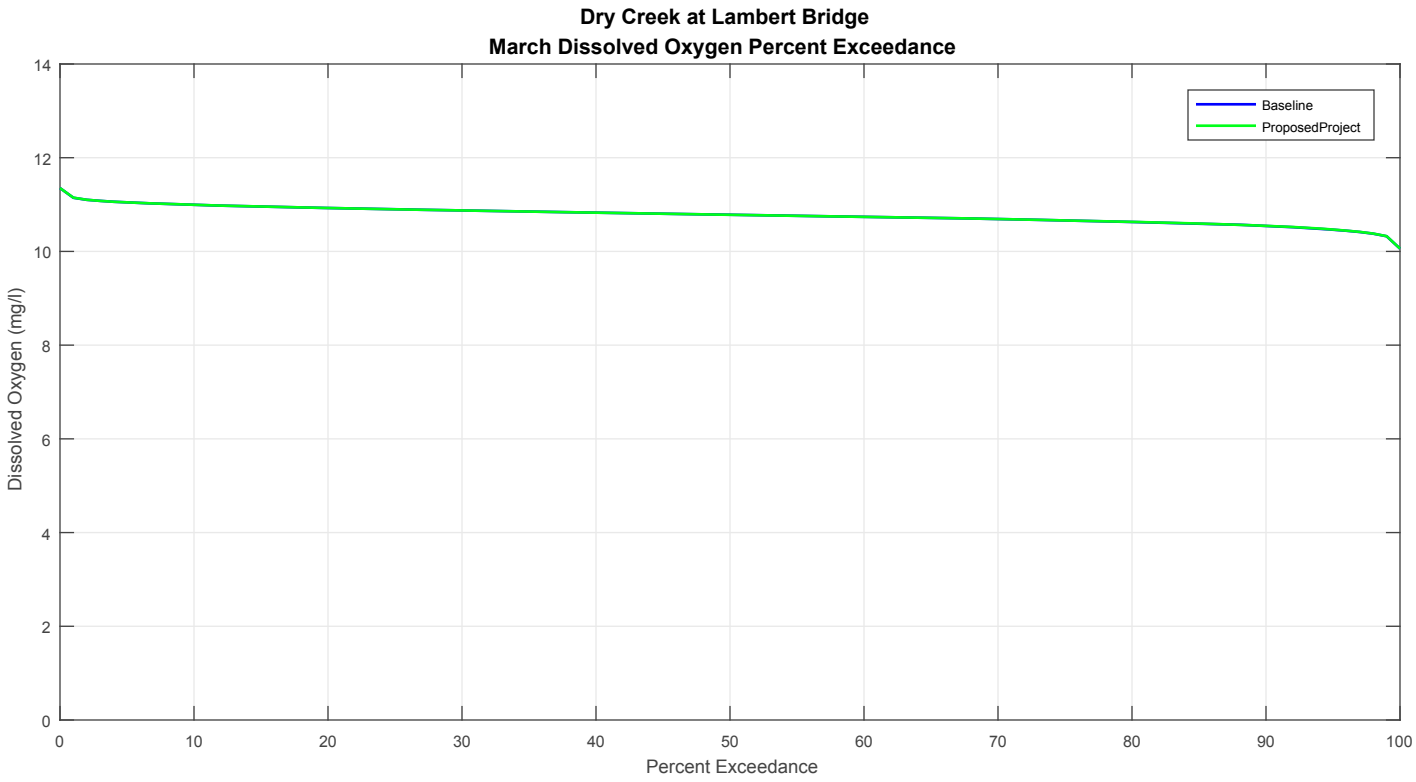
Dry Creek at Lambert Bridge
March Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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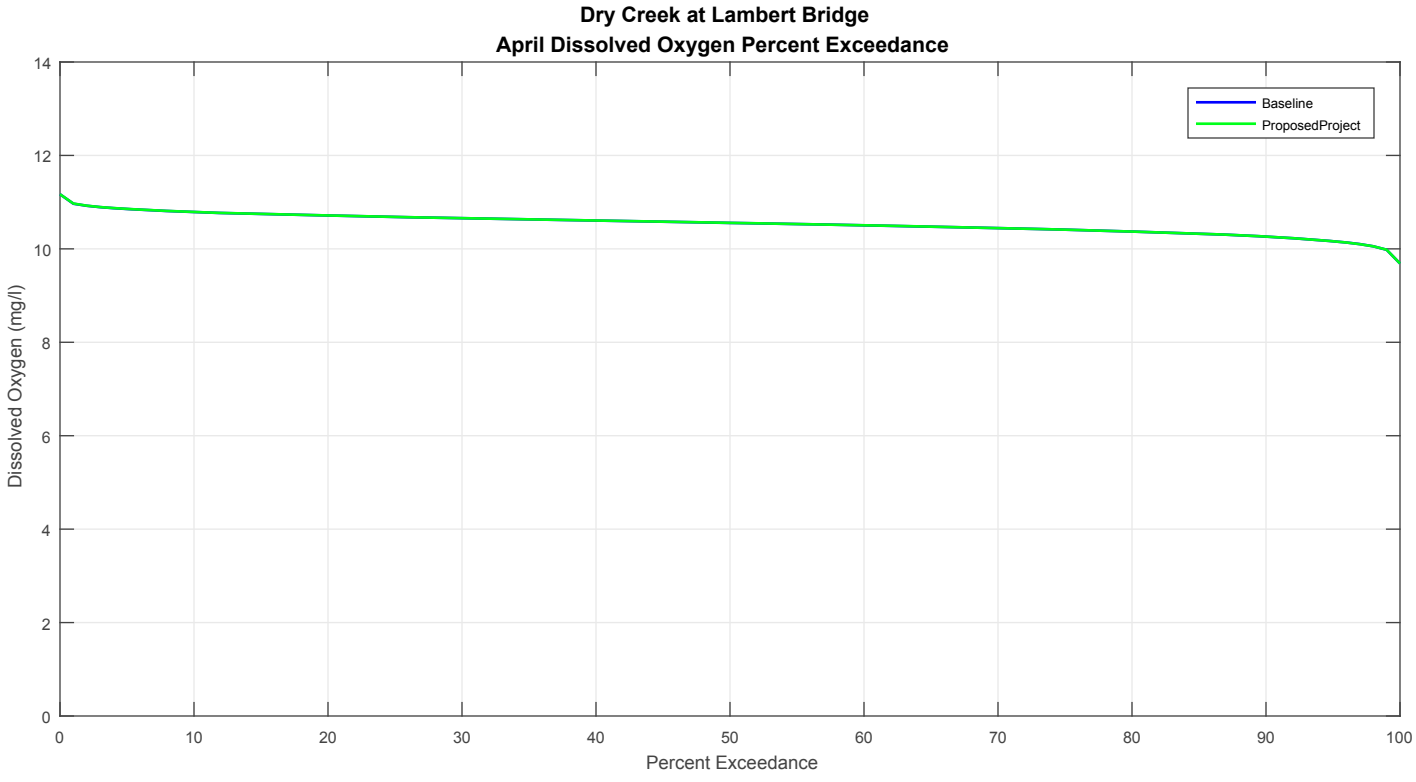
Dry Creek at Lambert Bridge
April Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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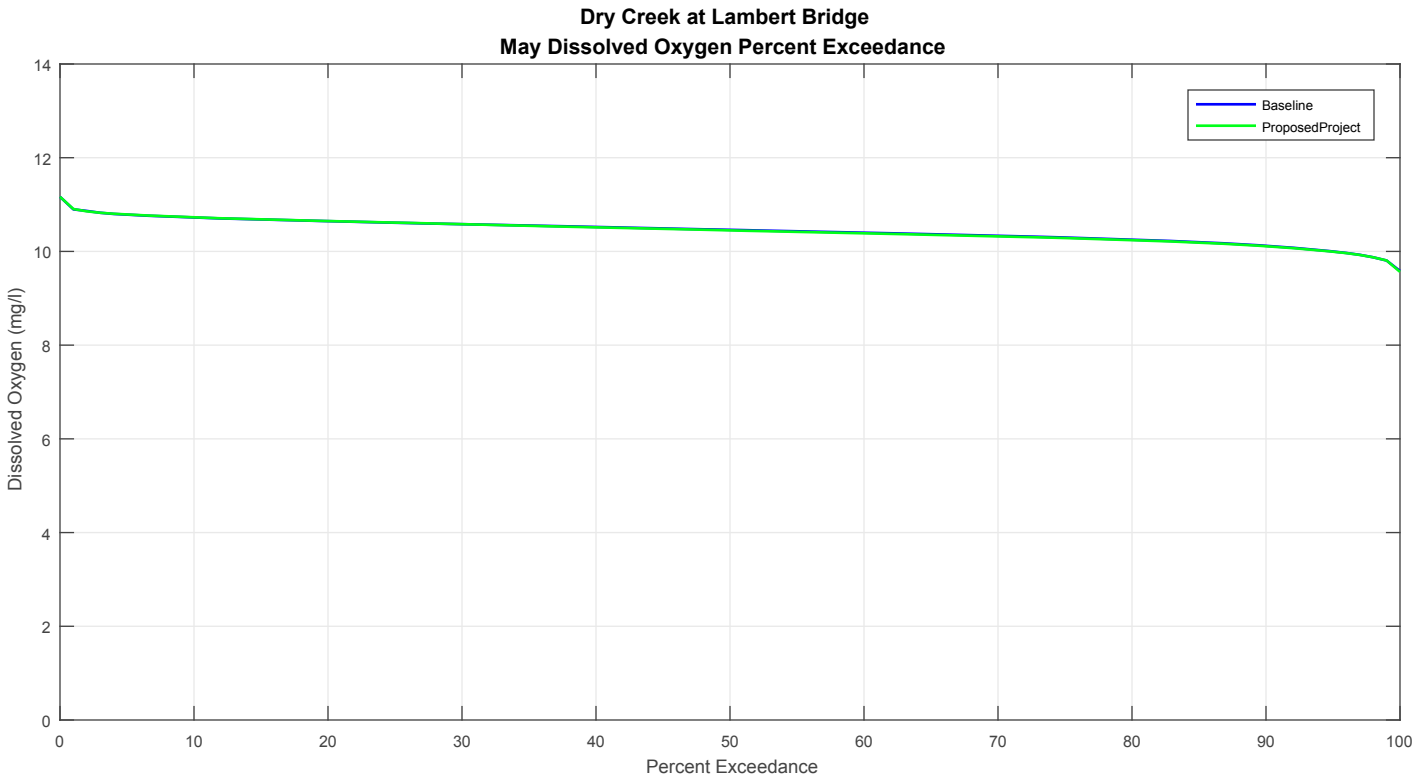
Dry Creek at Lambert Bridge
May Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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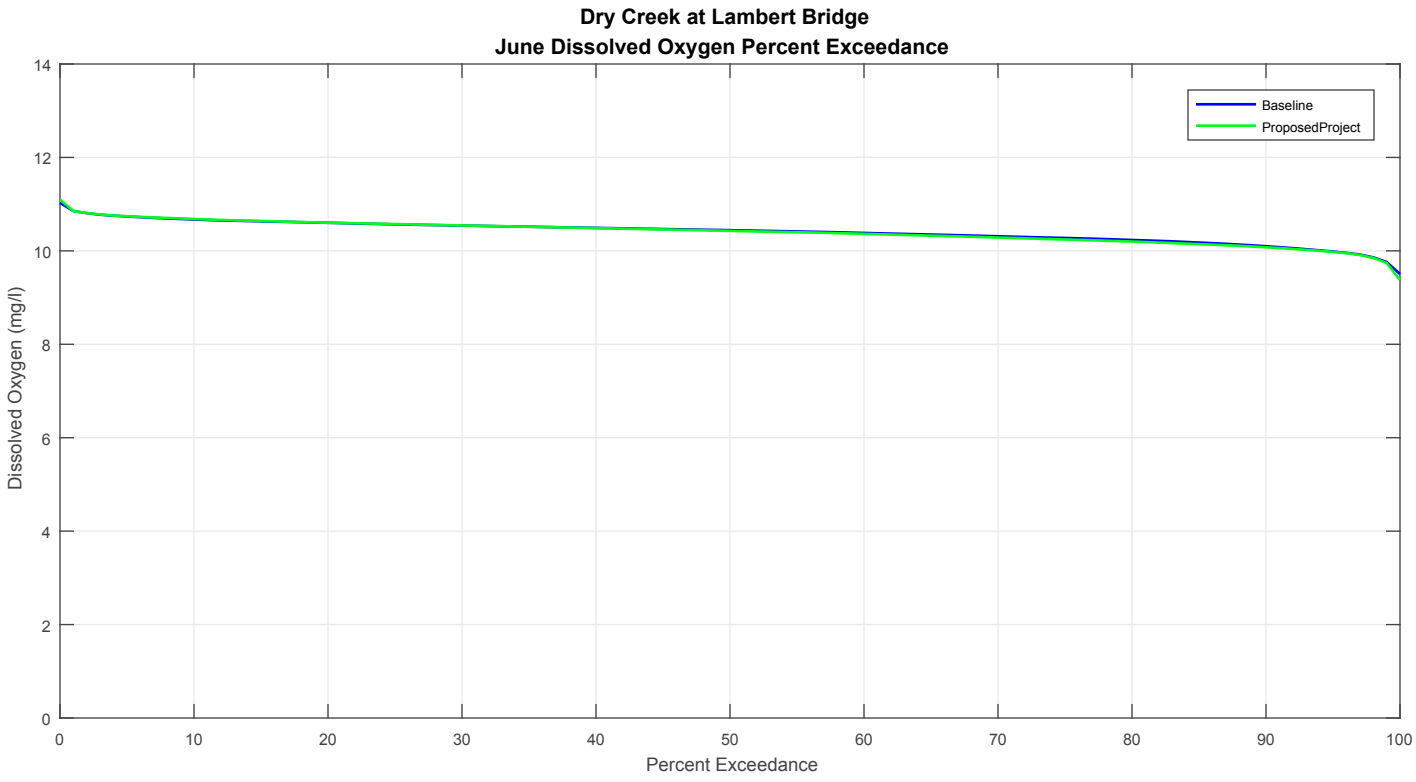
Dry Creek at Lambert Bridge
June Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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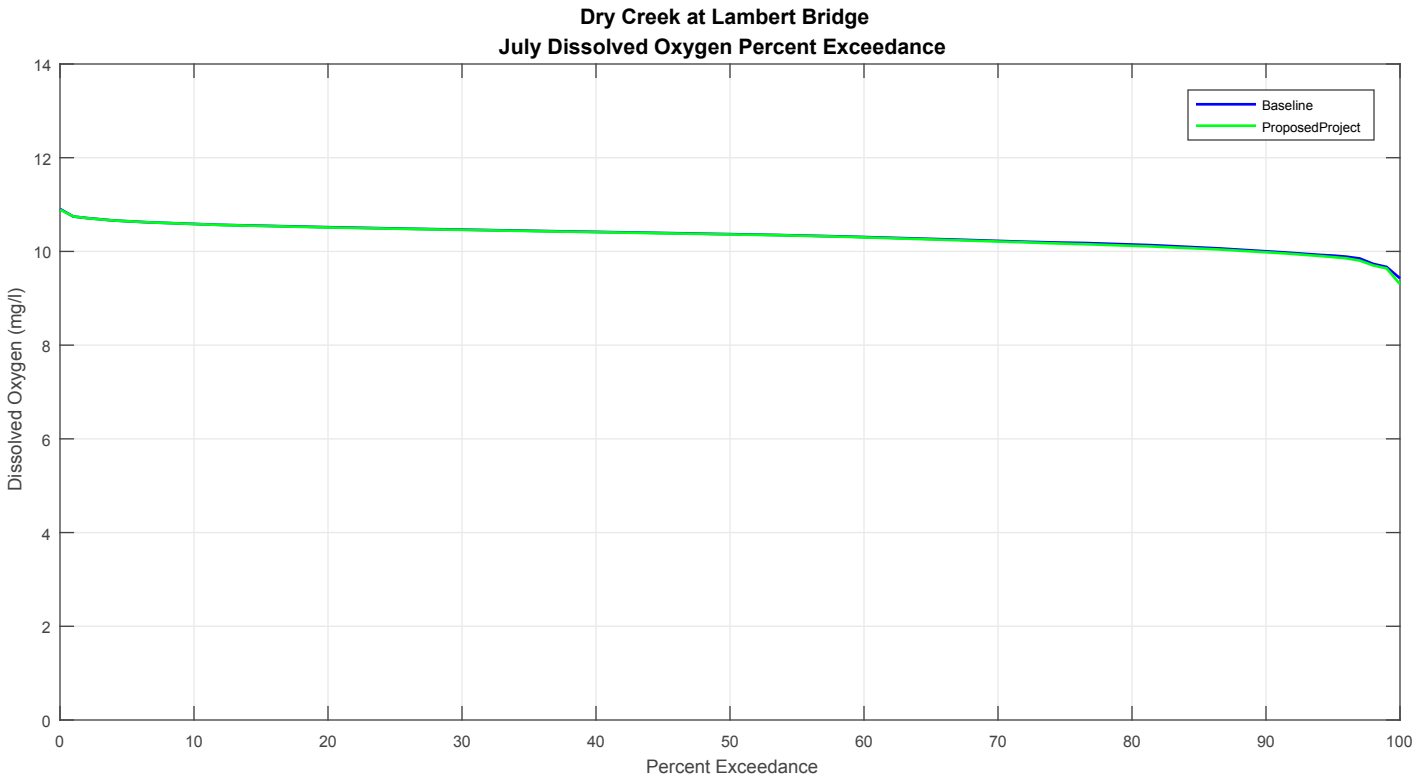
Dry Creek at Lambert Bridge
July Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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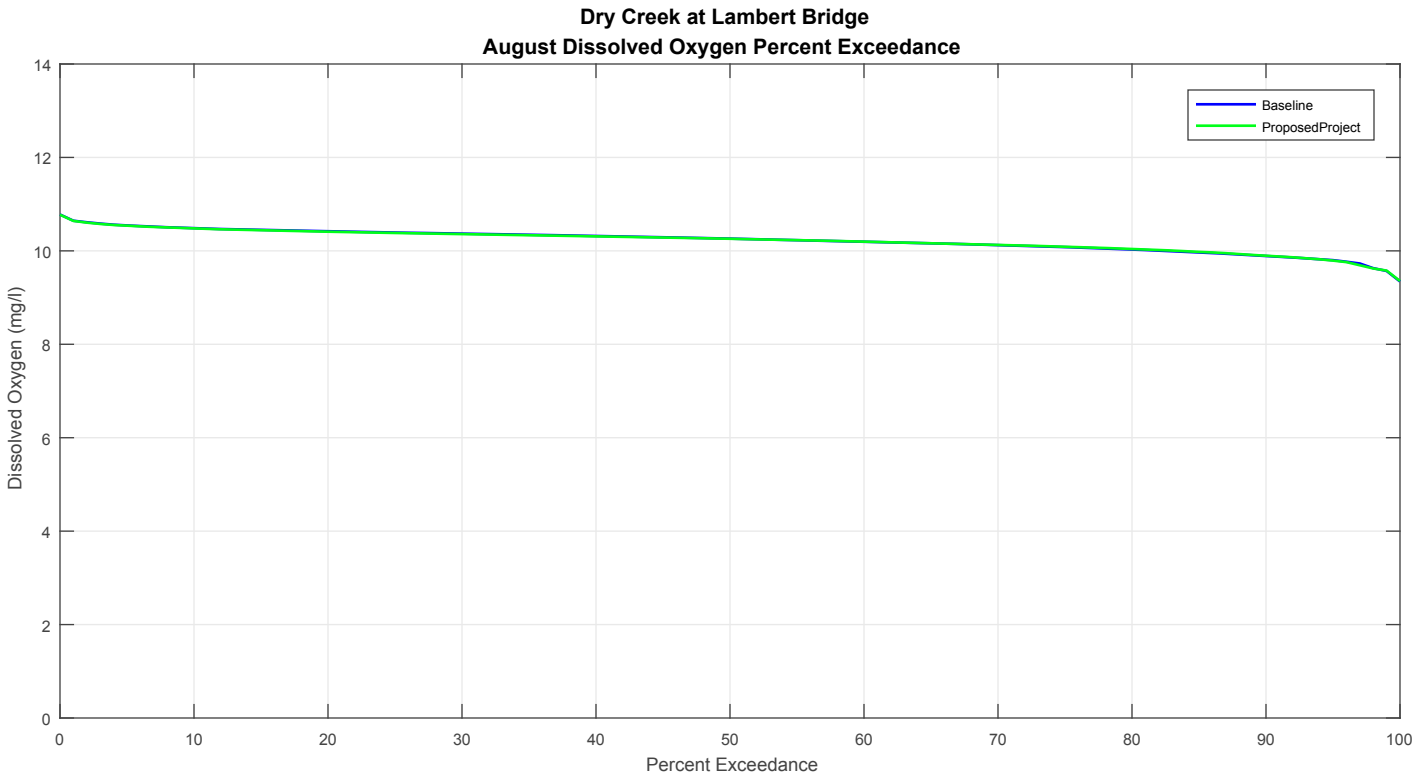
Dry Creek at Lambert Bridge
August Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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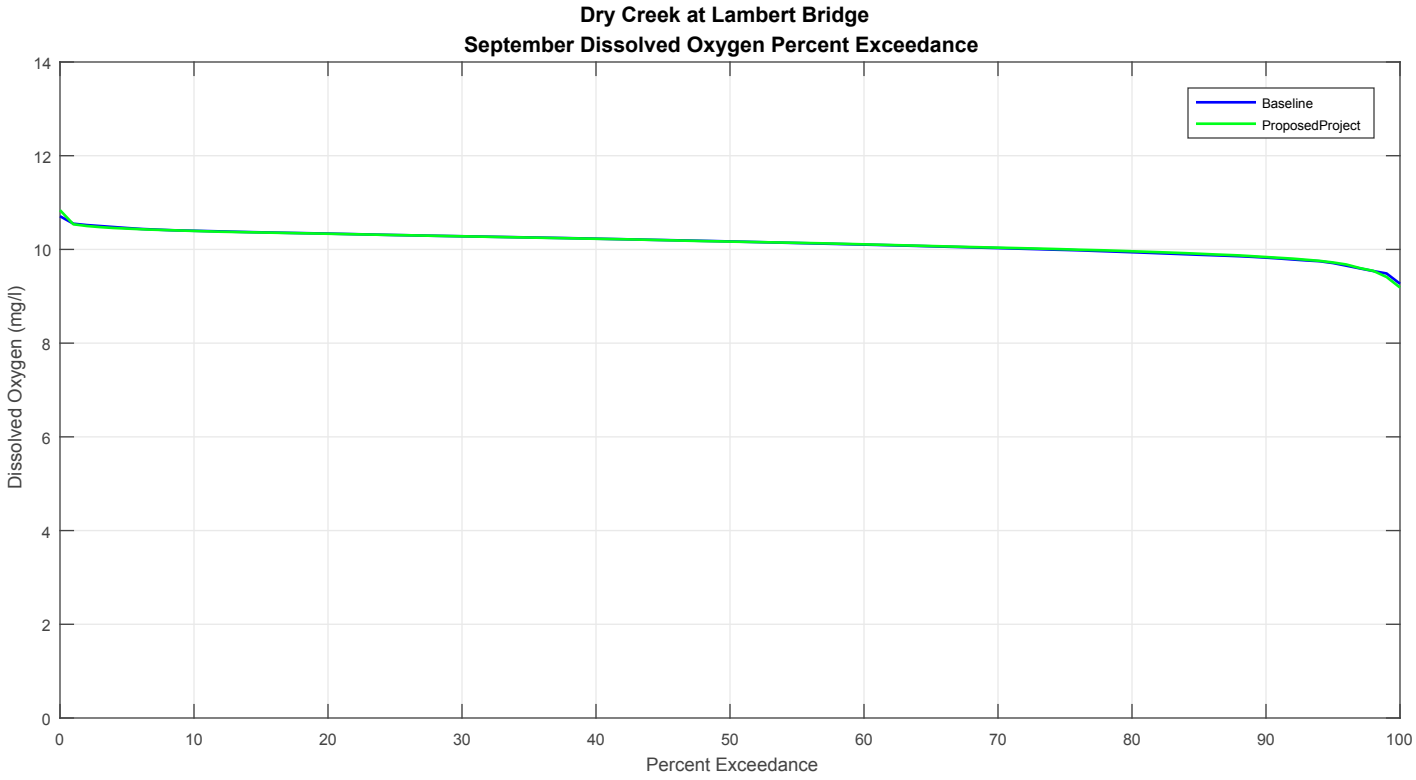
Dry Creek at Lambert Bridge
September Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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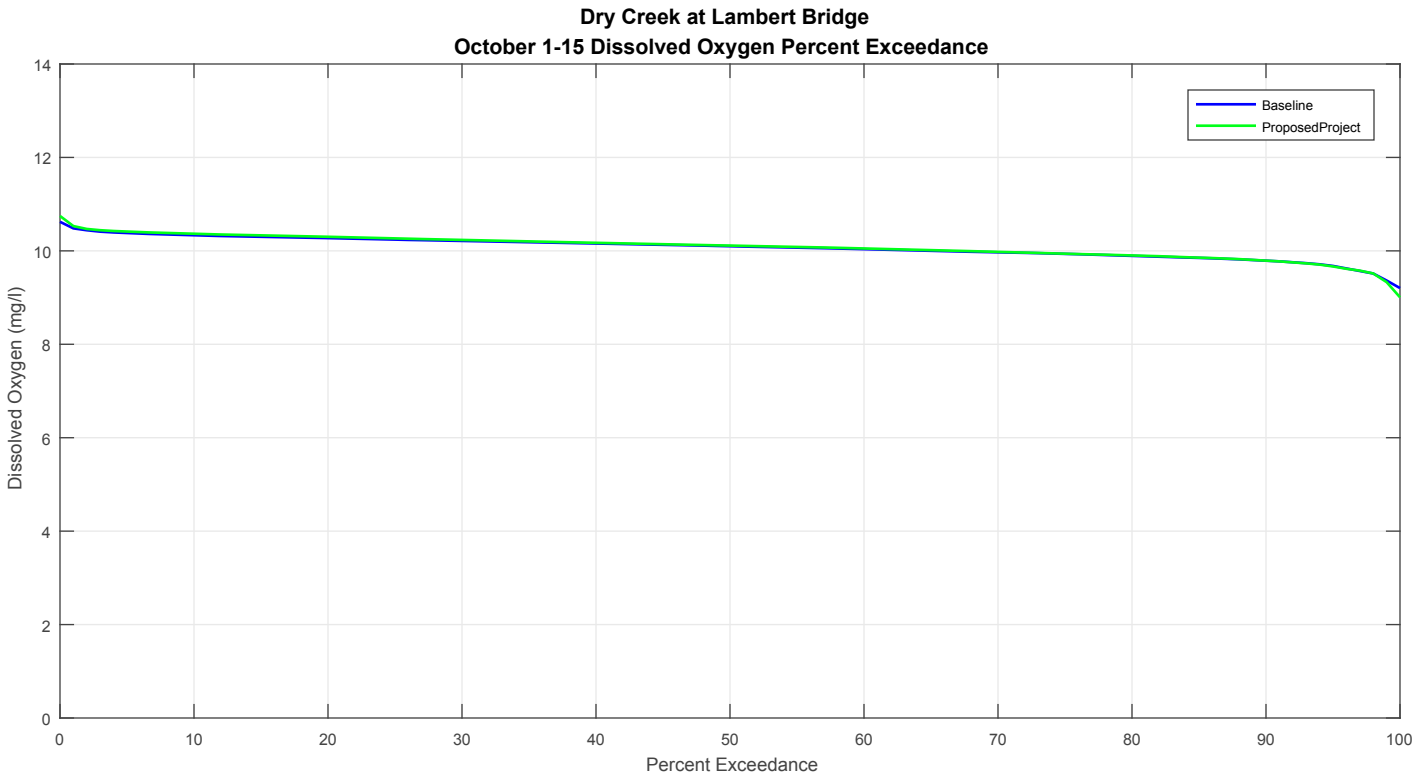
Dry Creek at Lambert Bridge
October 1-15 Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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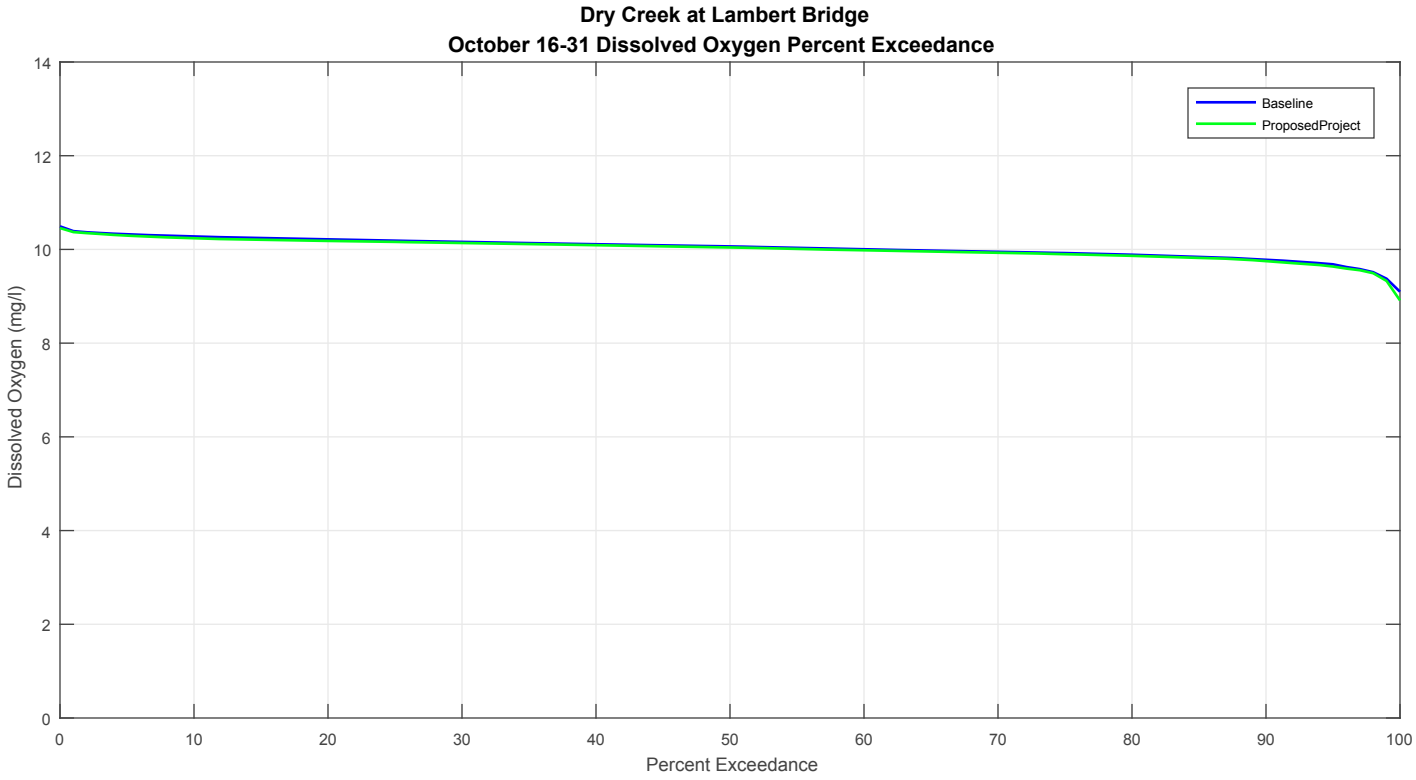
Dry Creek at Lambert Bridge
October 16-31 Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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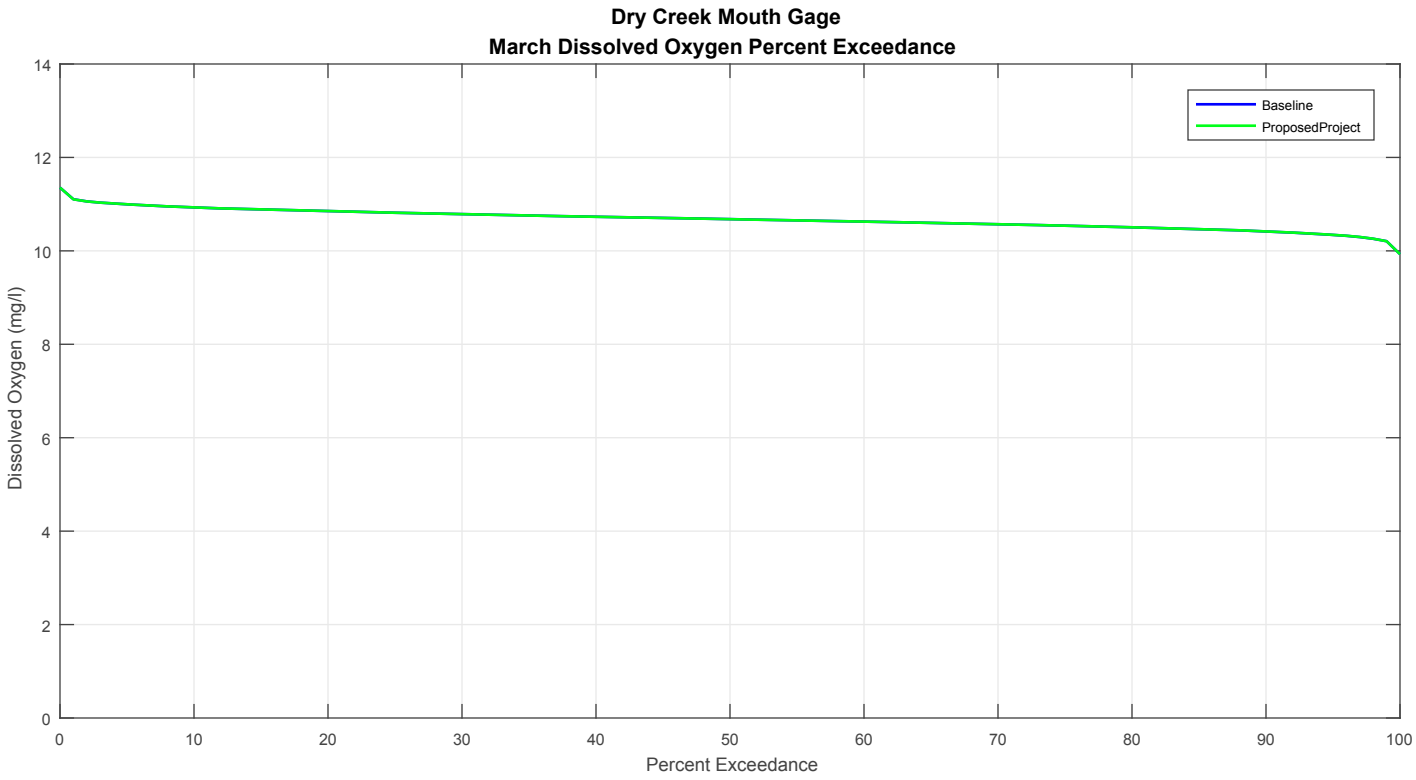
Dry Creek Mouth Gage
March Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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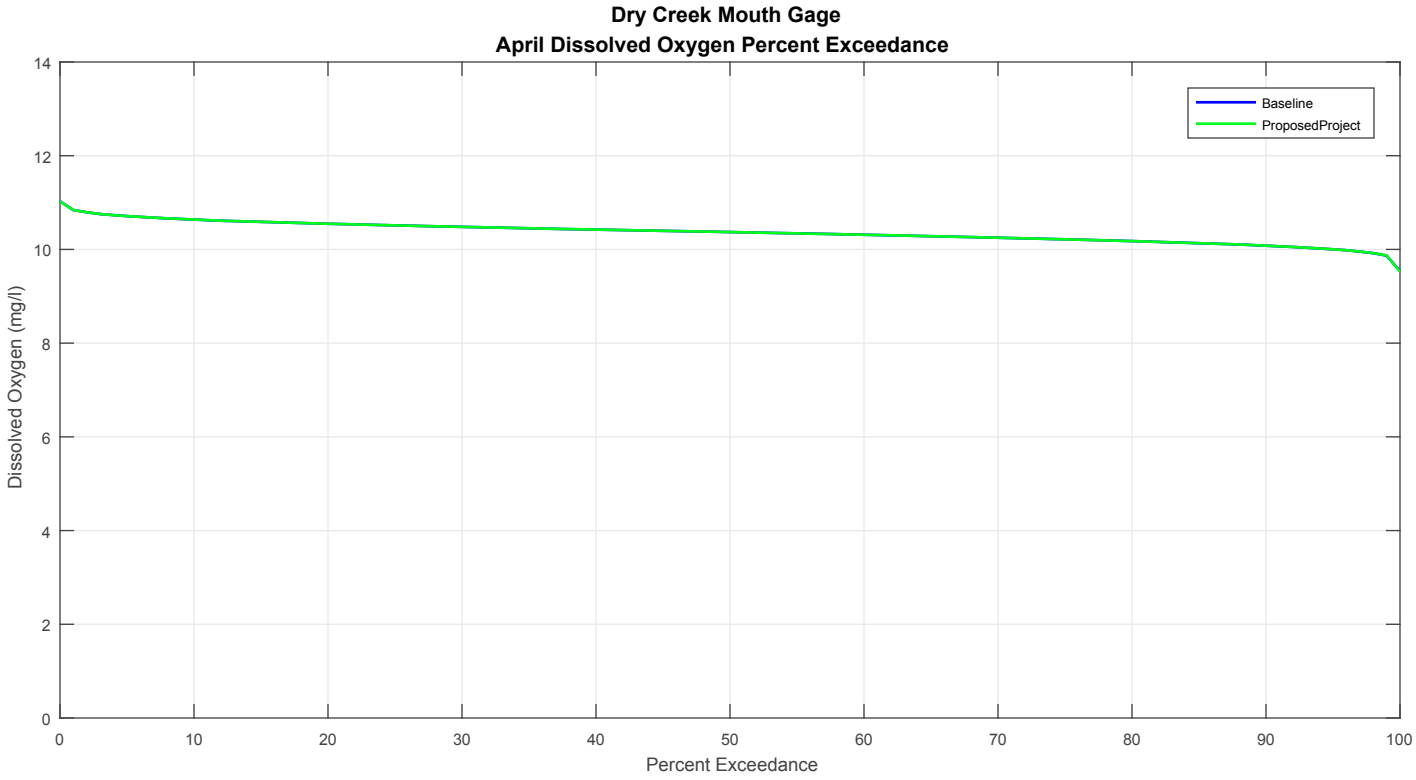
Dry Creek Mouth Gage
April Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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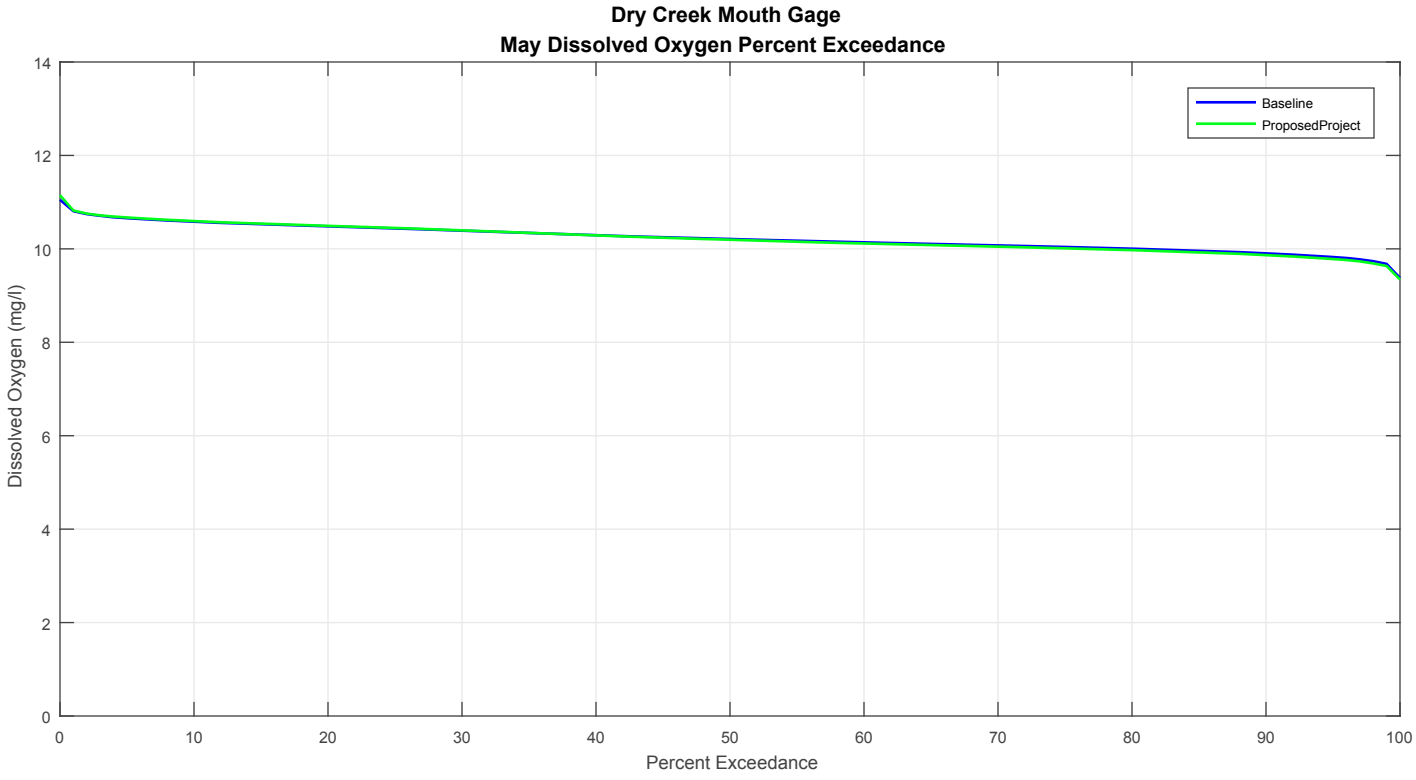
Dry Creek Mouth Gage
May Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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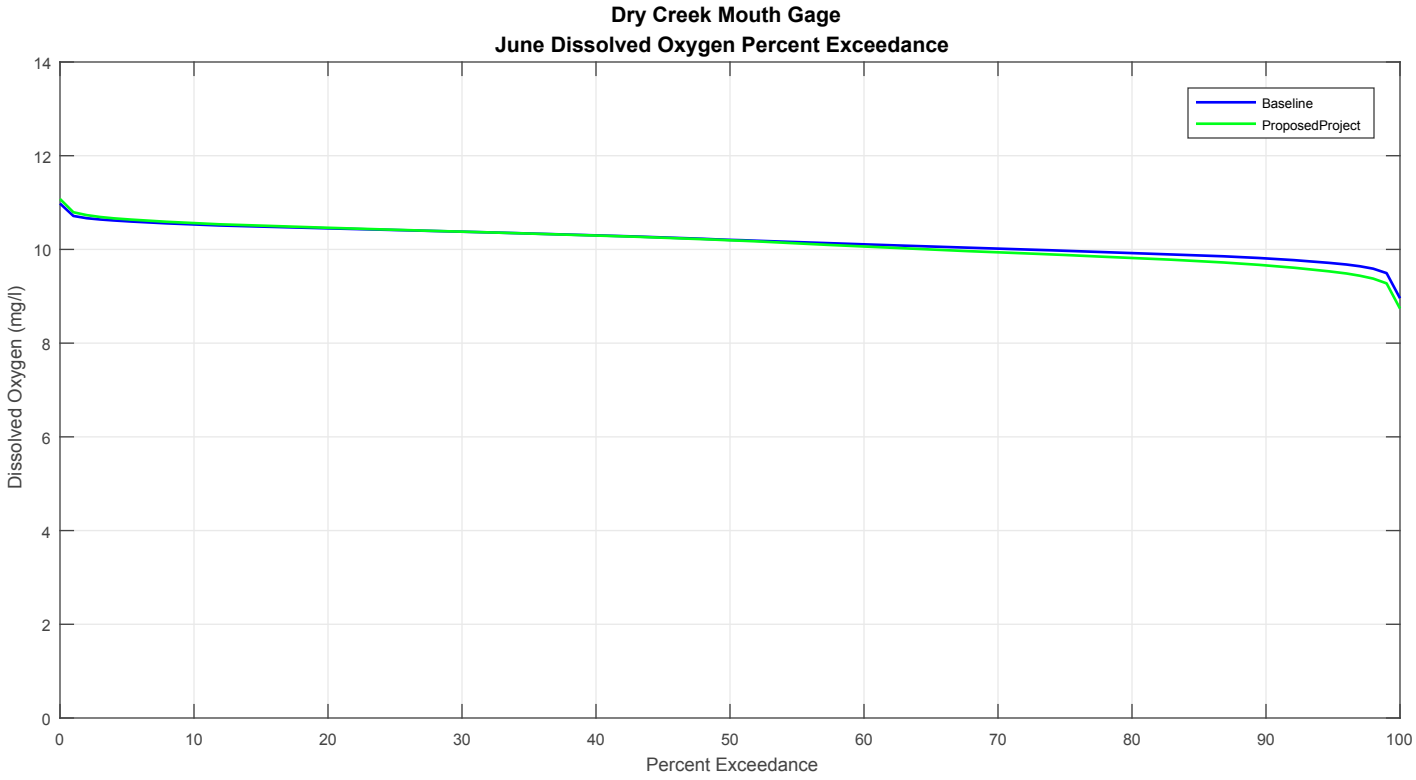
Dry Creek Mouth Gage
June Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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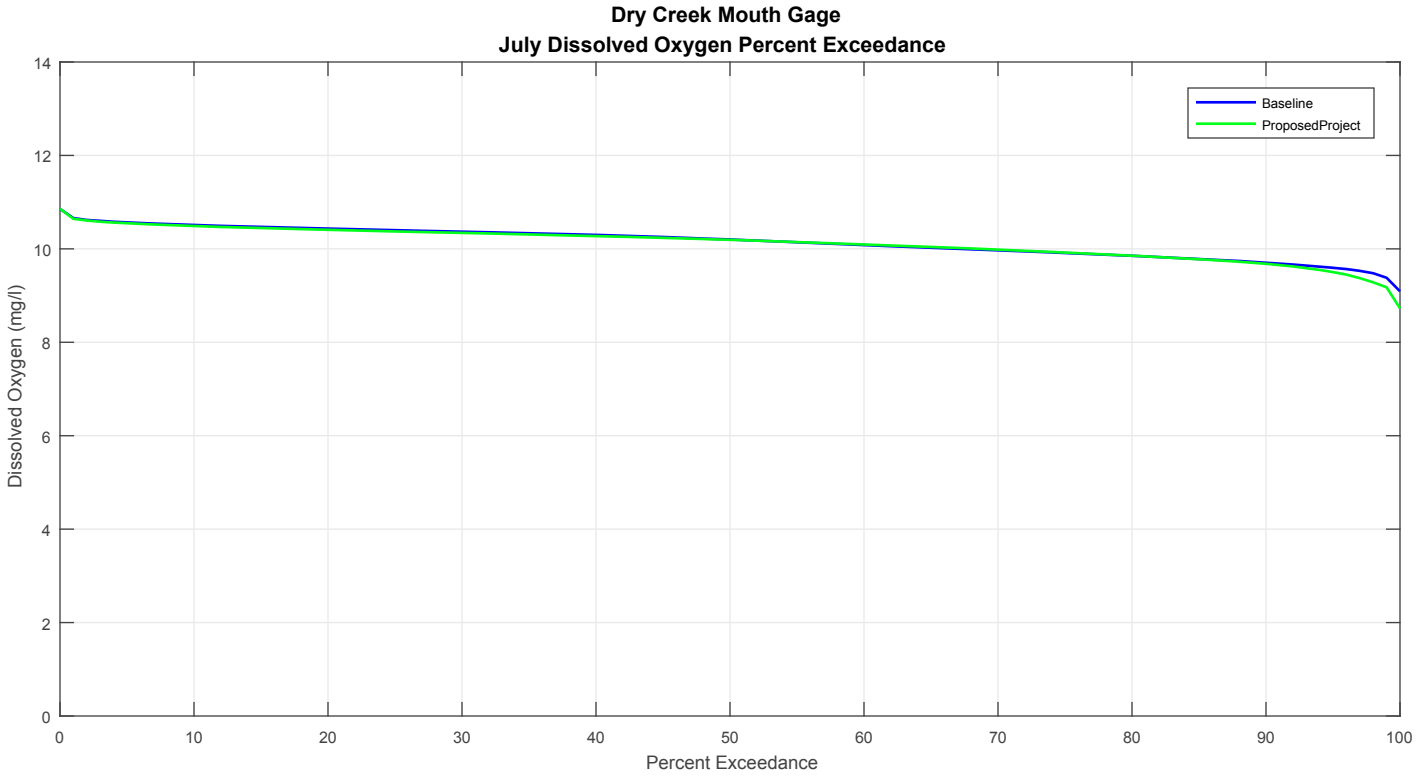
Dry Creek Mouth Gage
July Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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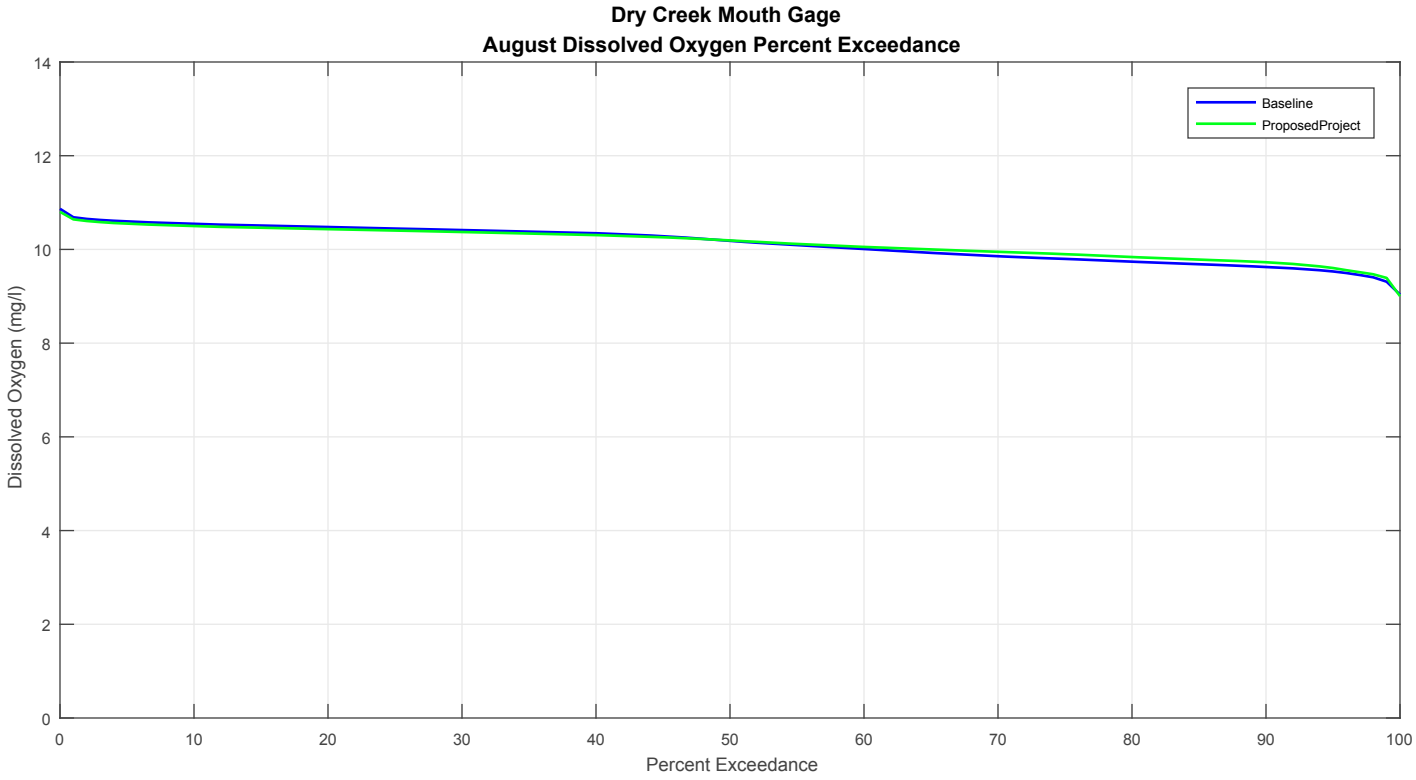
Dry Creek Mouth Gage
August Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
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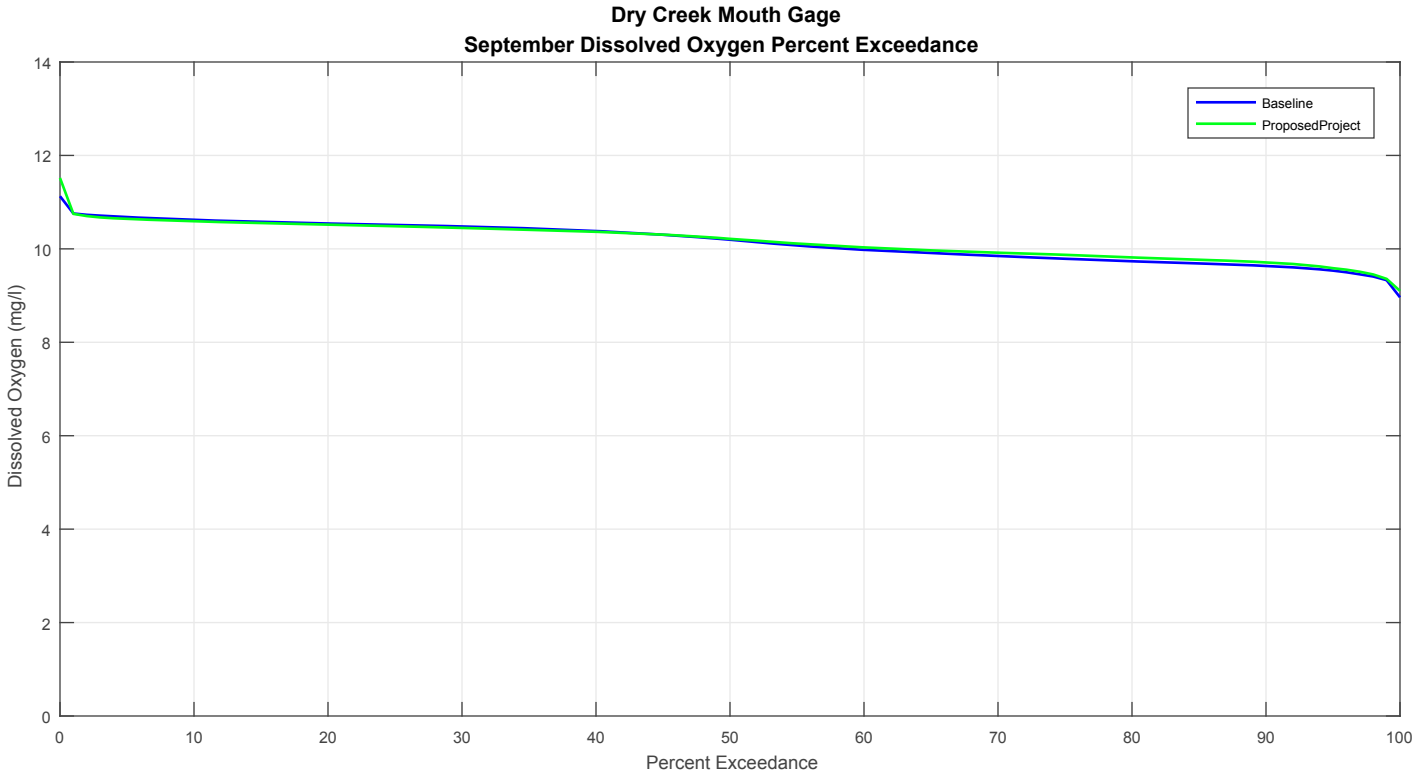
Dry Creek Mouth Gage
September Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
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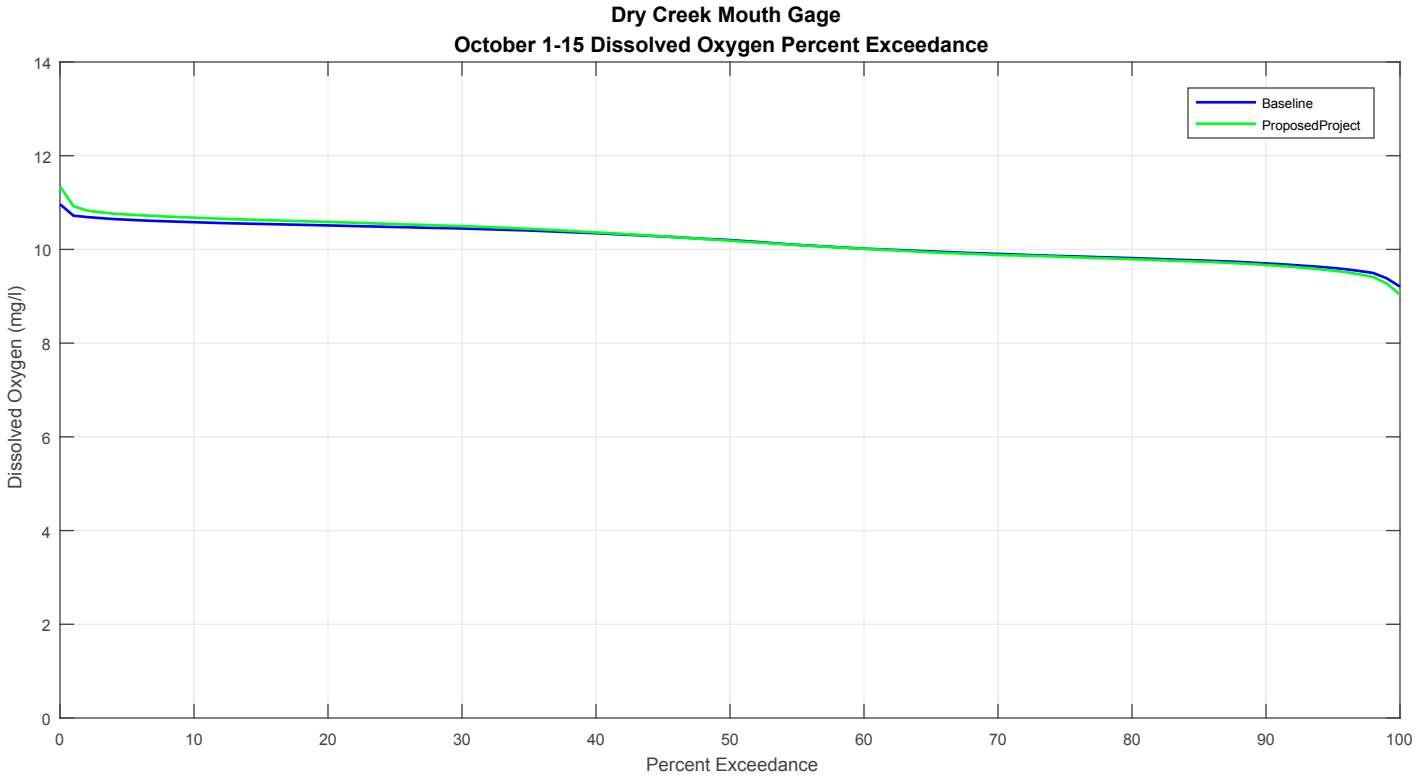
Dry Creek Mouth Gage
October 1-15 Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
14
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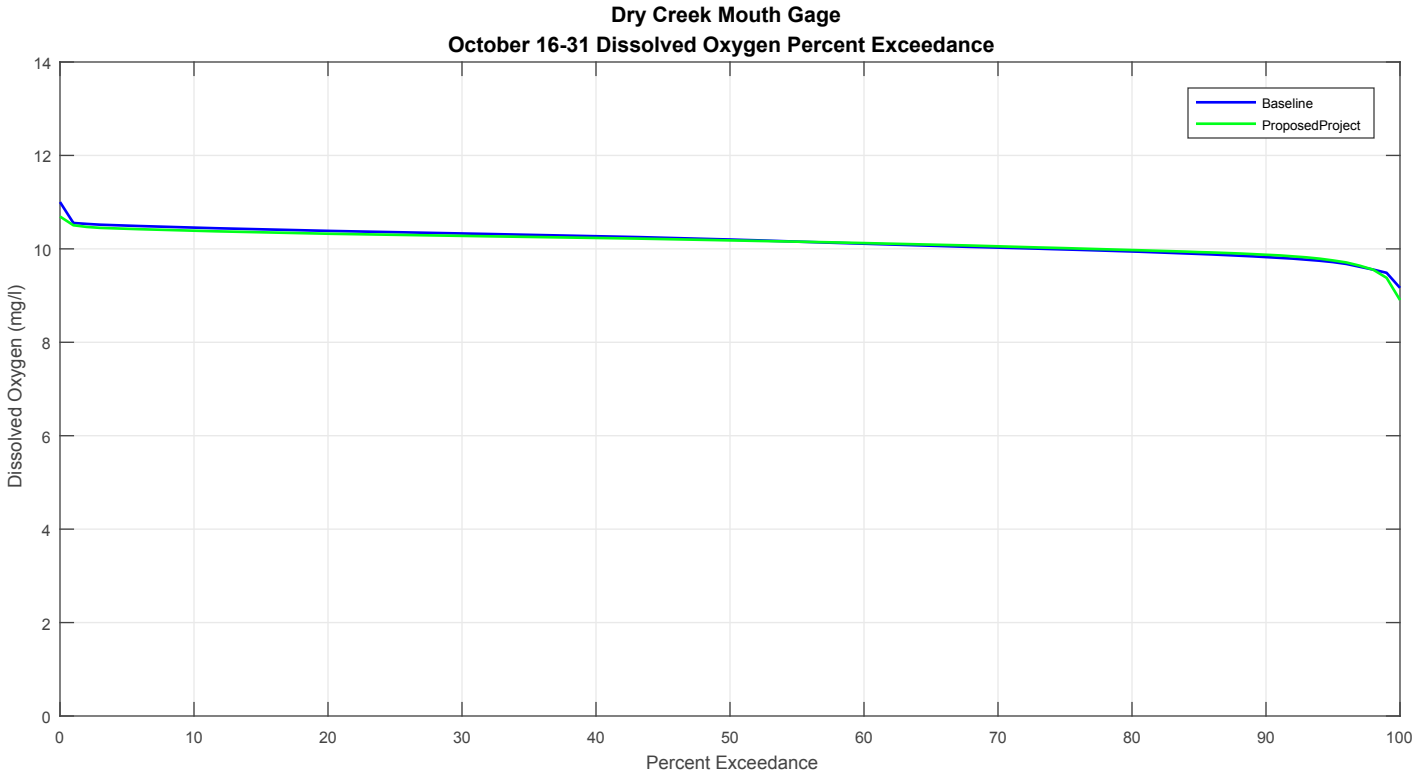
30
40
50
60
70
80
90
100

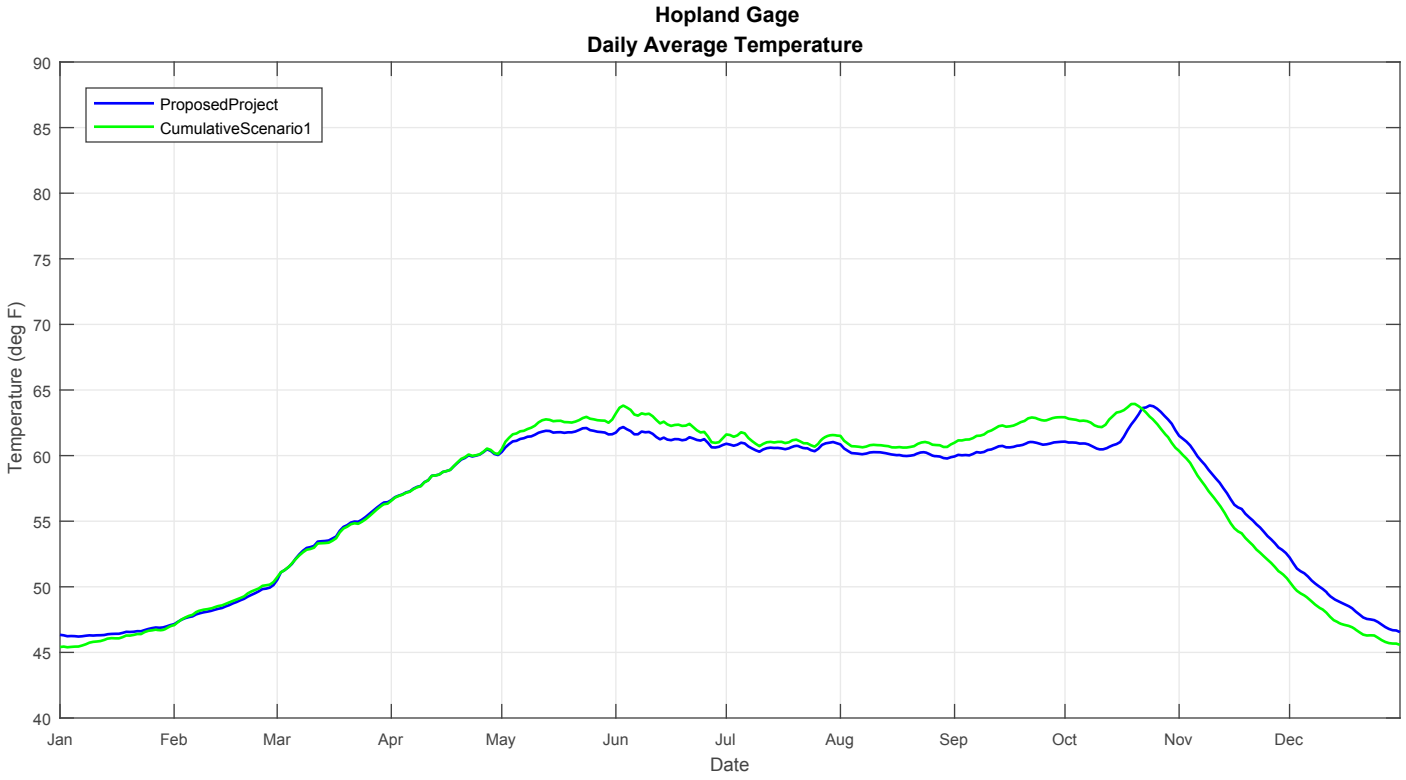

Dry Creek Mouth Gage
October 16-31 Dissolved Oxygen Percent Exceedance
Baseline
ProposedProject
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
14
0
10
20
30
40
50
60
70
80
90
100

**Errata Item 5**

**Appendix G, Modeling Reports**

**Russian River Hydrologic Modeling for the Fish Habitat Flow and Water Rights Project, Attachment 4**

**Pages: 15 - 19, 22 - 26, 119 - 163, 177 - 221**


Hopland Gage
Daily Average Temperature
ProposedProject
CumulativeScenario1
Temperature (deg F)
90
85
80
75
70
65
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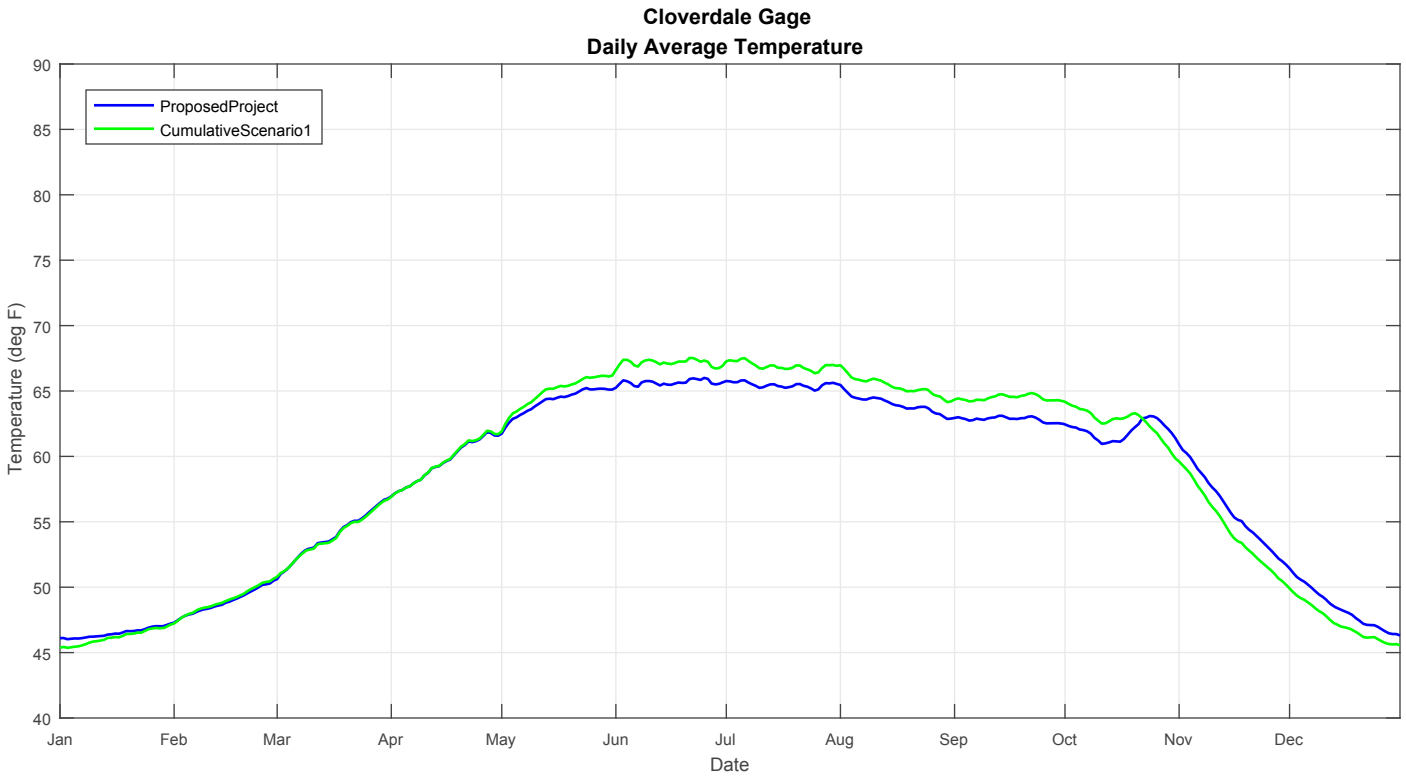
50
45
40
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date


Cloverdale Gage
Daily Average Temperature
ProposedProject
CumulativeScenario1
Temperature (deg F)
90
85
80
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Jan
Feb
Mar
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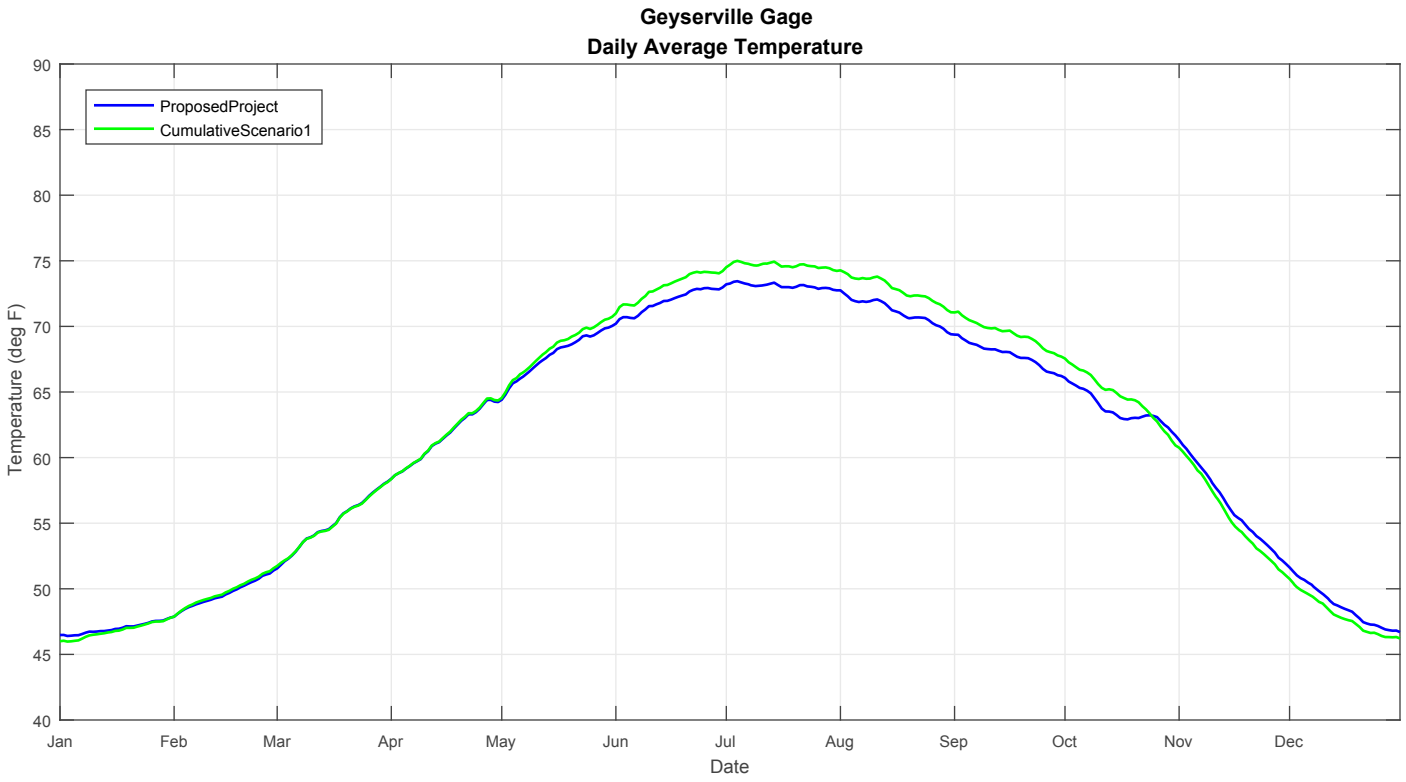
Dec
Date


Geyserville Gage
Daily Average Temperature
ProposedProject
CumulativeScenario1
Temperature (deg F)
90
85
80
75
70
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50
45
40
Jan
Feb
Mar
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Jun
Jul
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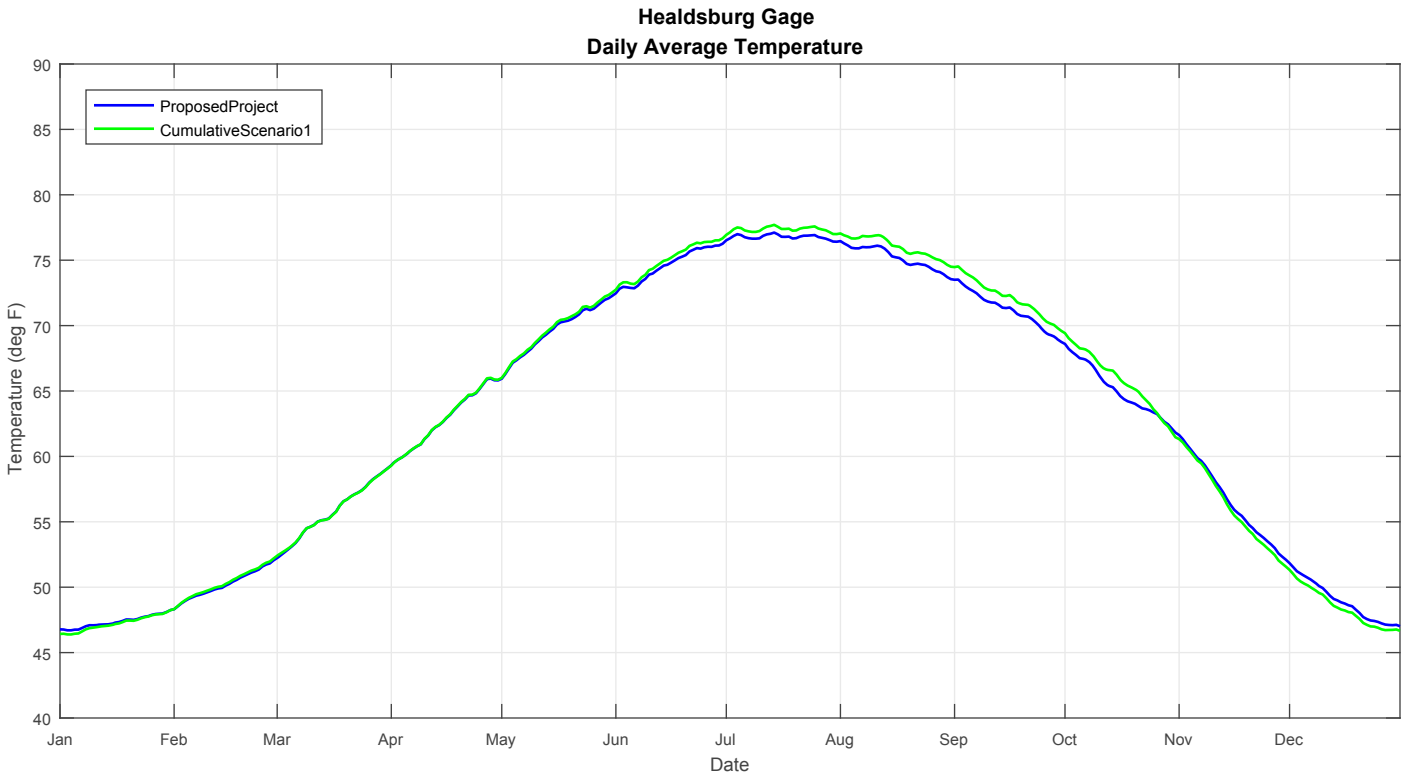
Sep
Oct
Nov
Dec
Date


Healdsburg Gage
Daily Average Temperature
ProposedProject
CumulativeScenario1
Temperature (deg F)
90
85
80
75
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50
45
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Jan
Feb
Mar
Apr
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Jun
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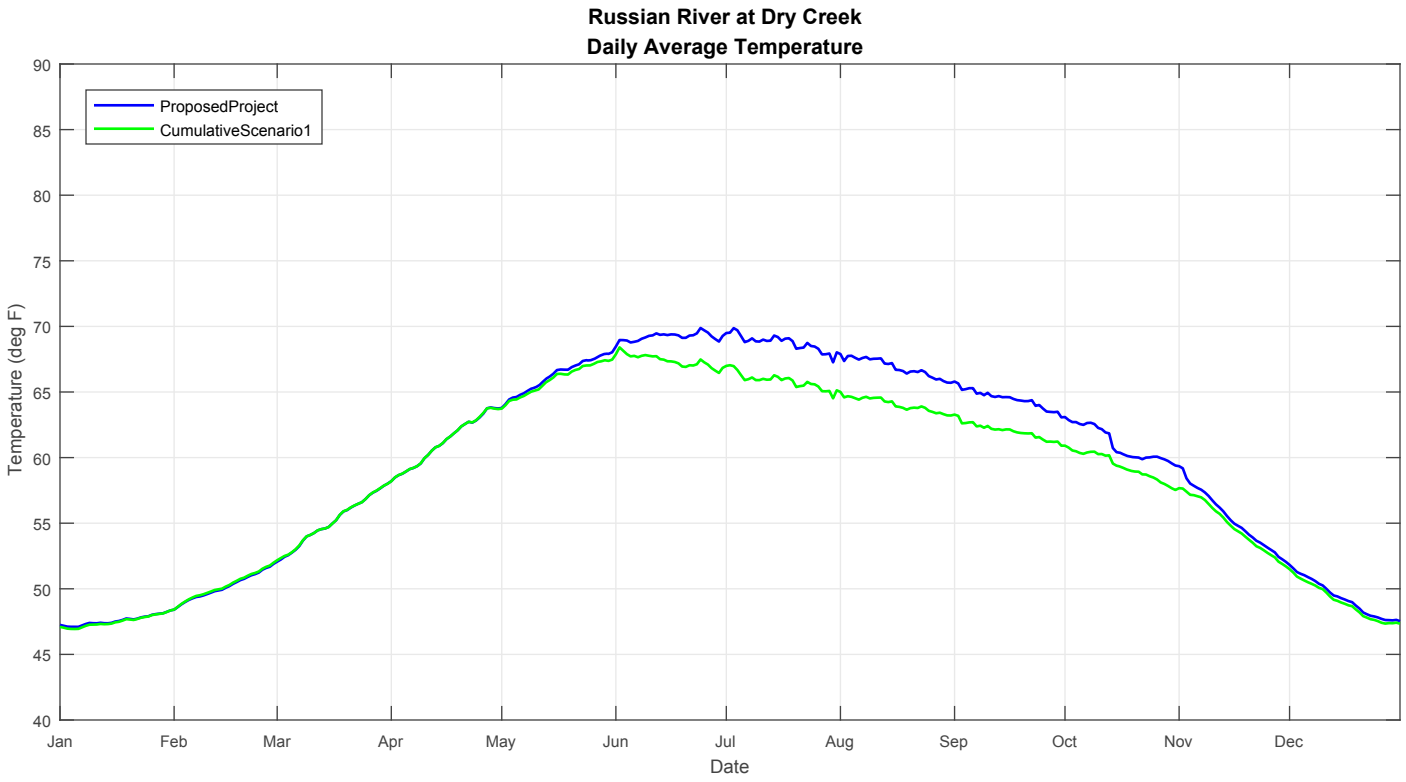
Oct
Nov
Dec
Date


Russian River at Dry Creek
Daily Average Temperature
ProposedProject
CumulativeScenario1
Temperature (deg F)
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85
80
75
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Jan
Feb
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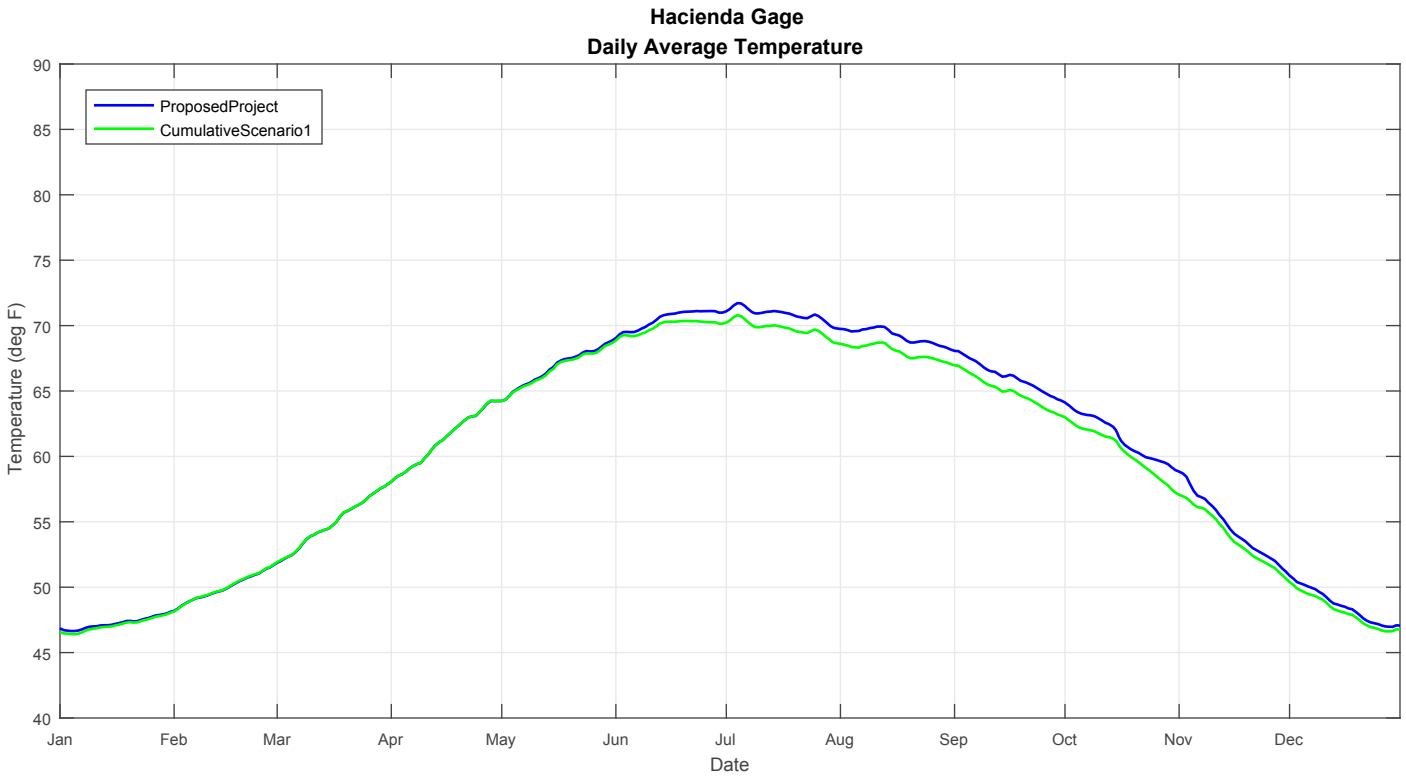
Date


Hacienda Gage
Daily Average Temperature
ProposedProject
CumulativeScenario1
Temperature (deg F)
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85
80
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Oct
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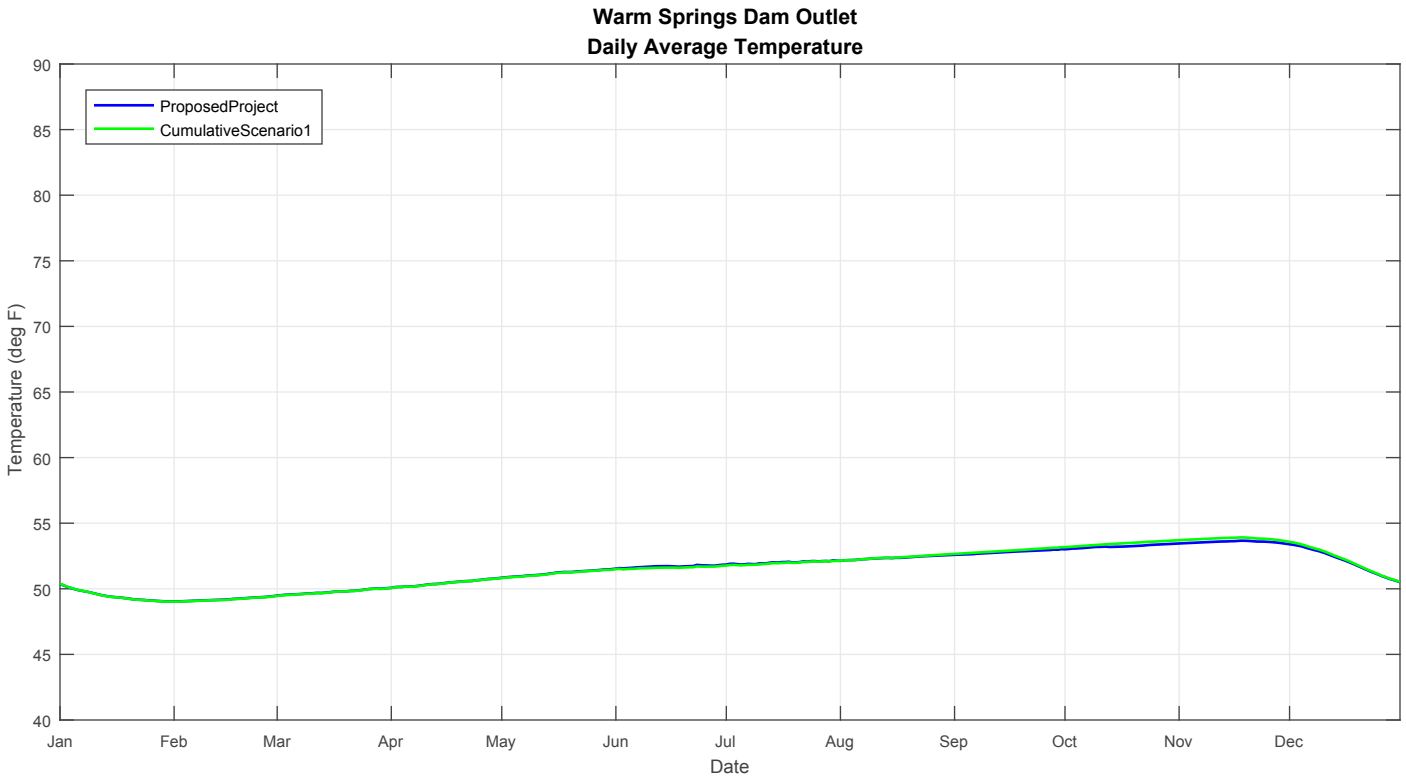
Dec
Date


Warm Springs Dam Outlet
Daily Average Temperature
ProposedProject
CumulativeScenario1
Temperature (deg F)
90
85
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75
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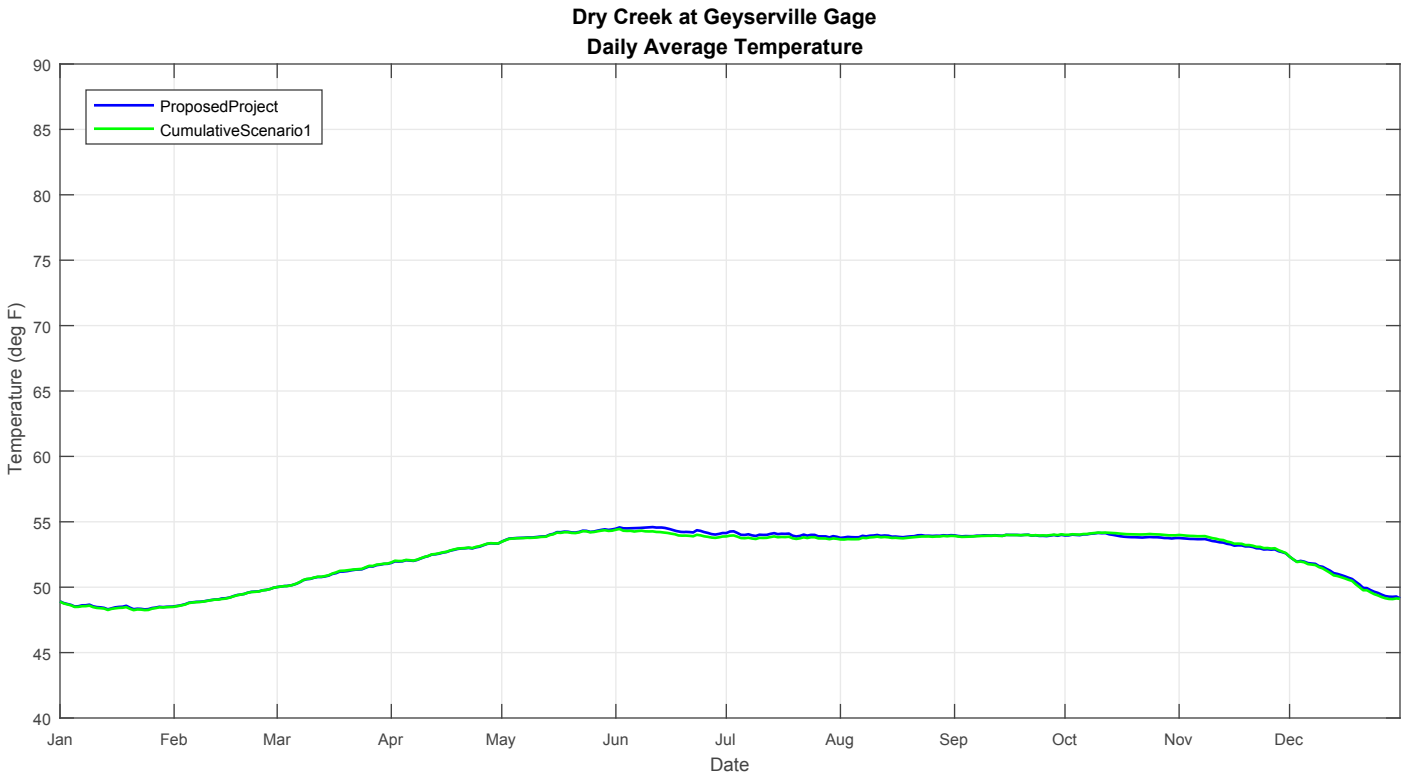
Dec
Date


Dry Creek at Geyserville Gage
Daily Average Temperature
ProposedProject
CumulativeScenario1
Temperature (deg F)
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85
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40
Jan
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Jun
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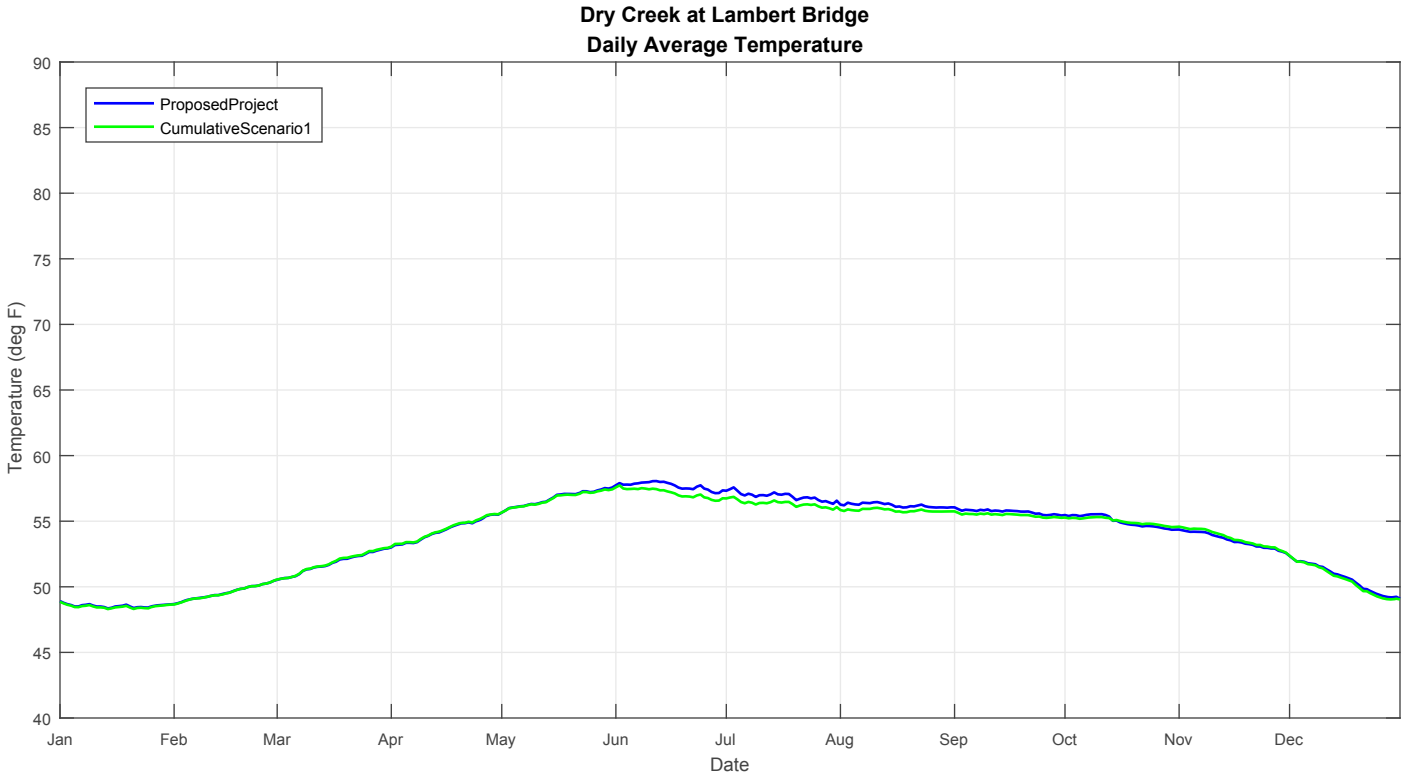
Sep
Oct
Nov
Dec
Date


Dry Creek at Lambert Bridge
Daily Average Temperature
ProposedProject
CumulativeScenario1
Temperature (deg F)
90
85
80
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45
40
Jan
Feb
Mar
Apr
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Jun
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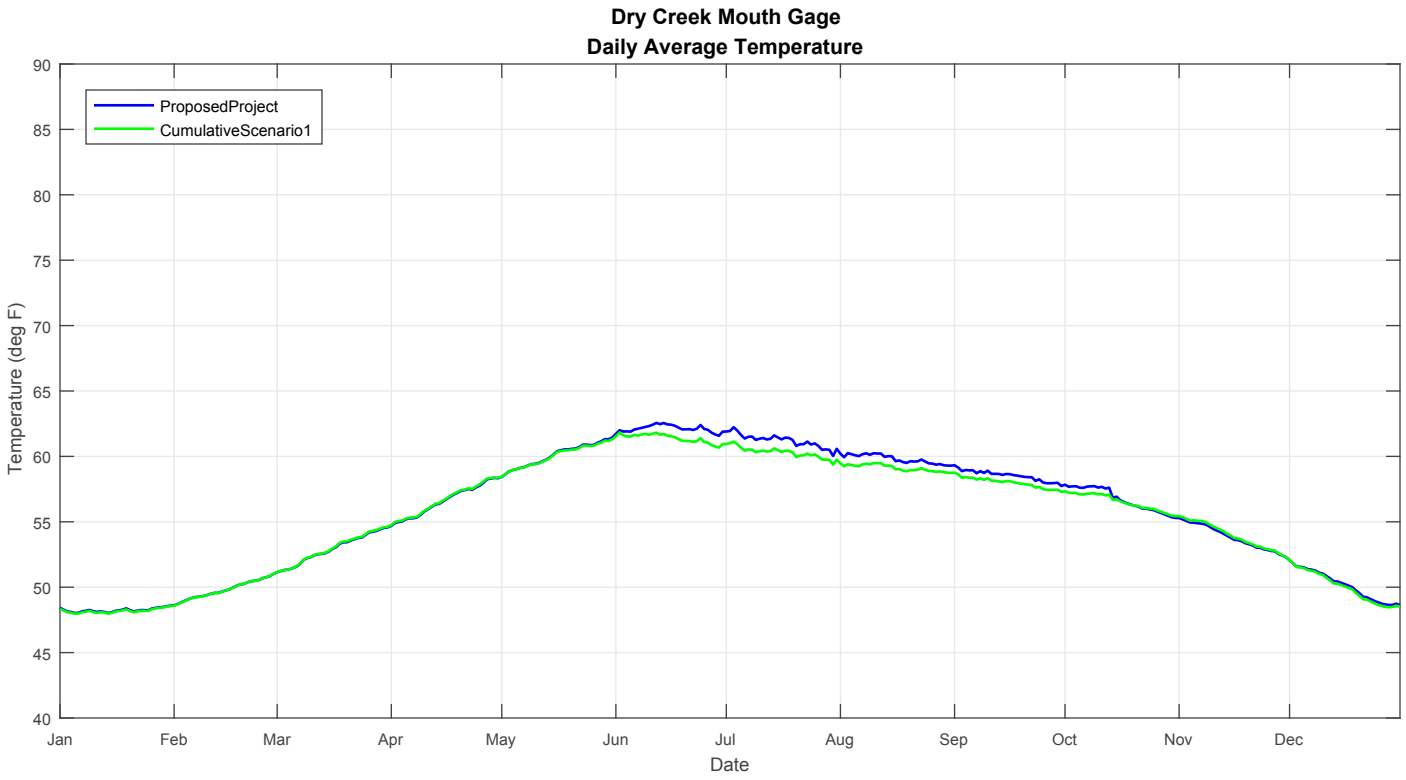
Oct
Nov
Dec
Date


Dry Creek Mouth Gage
Daily Average Temperature
ProposedProject
CumulativeScenario1
Temperature (deg F)
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85
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Jan
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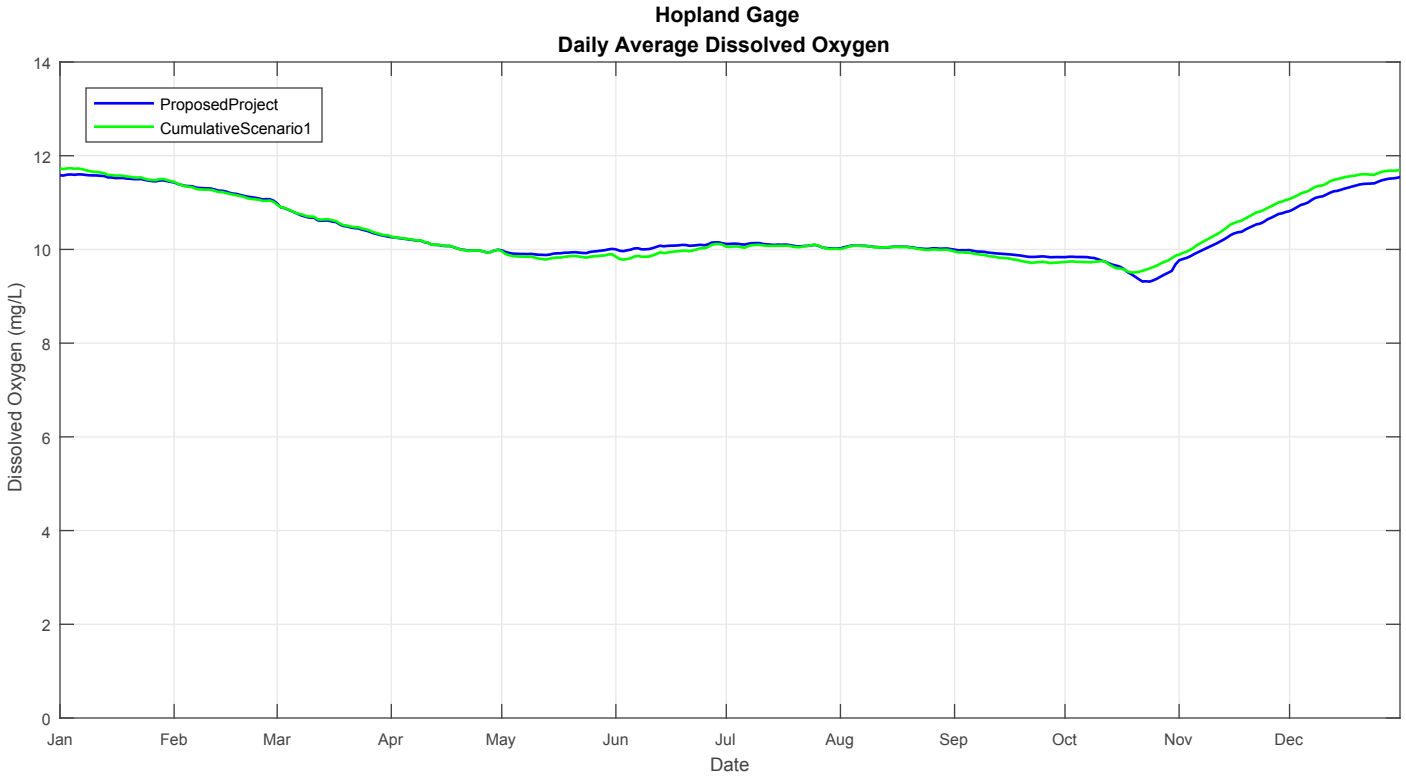
Date


Hopland Gage
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/L)
0
2
4
6
8
10
12
14
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
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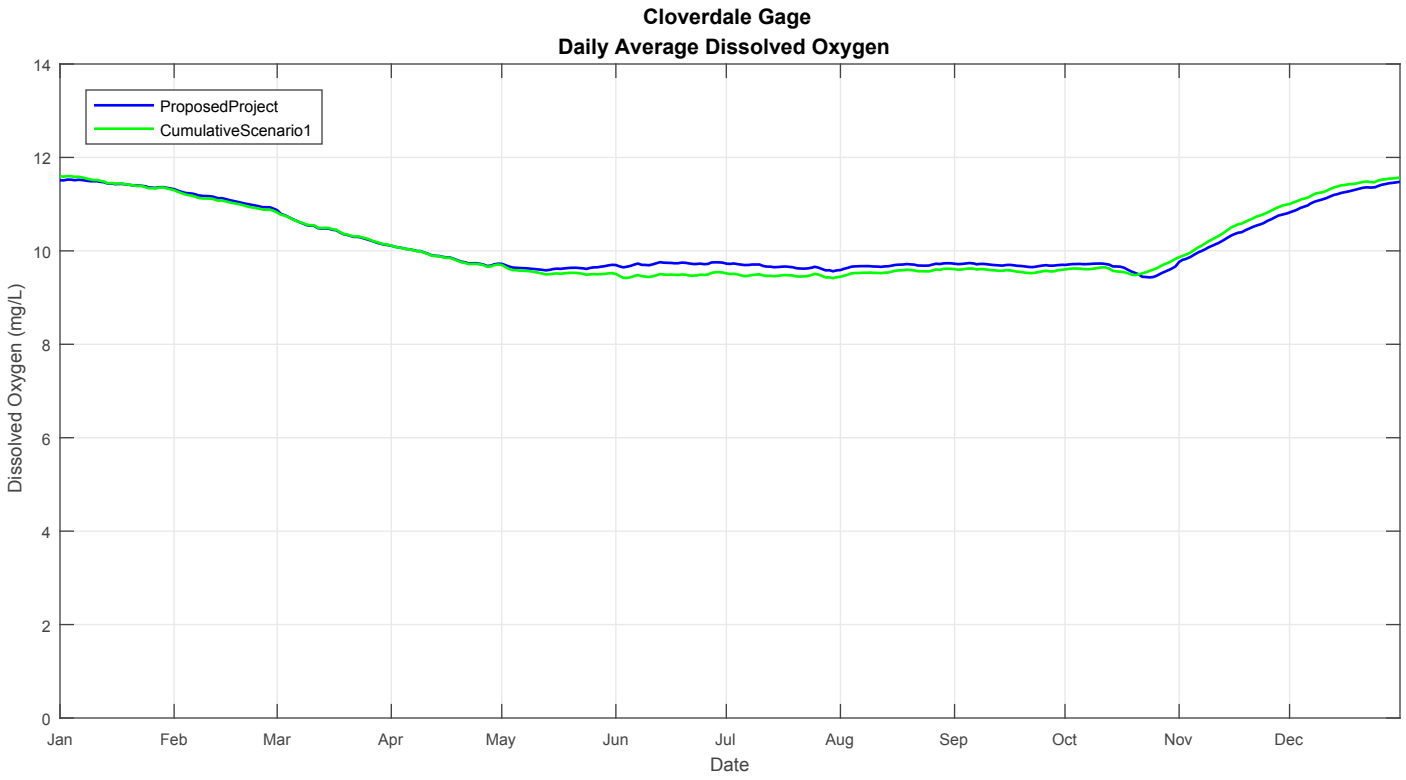
Oct
Nov
Dec
Date


Cloverdale Gage
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/L)
0
2
4
6
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12
14
Jan
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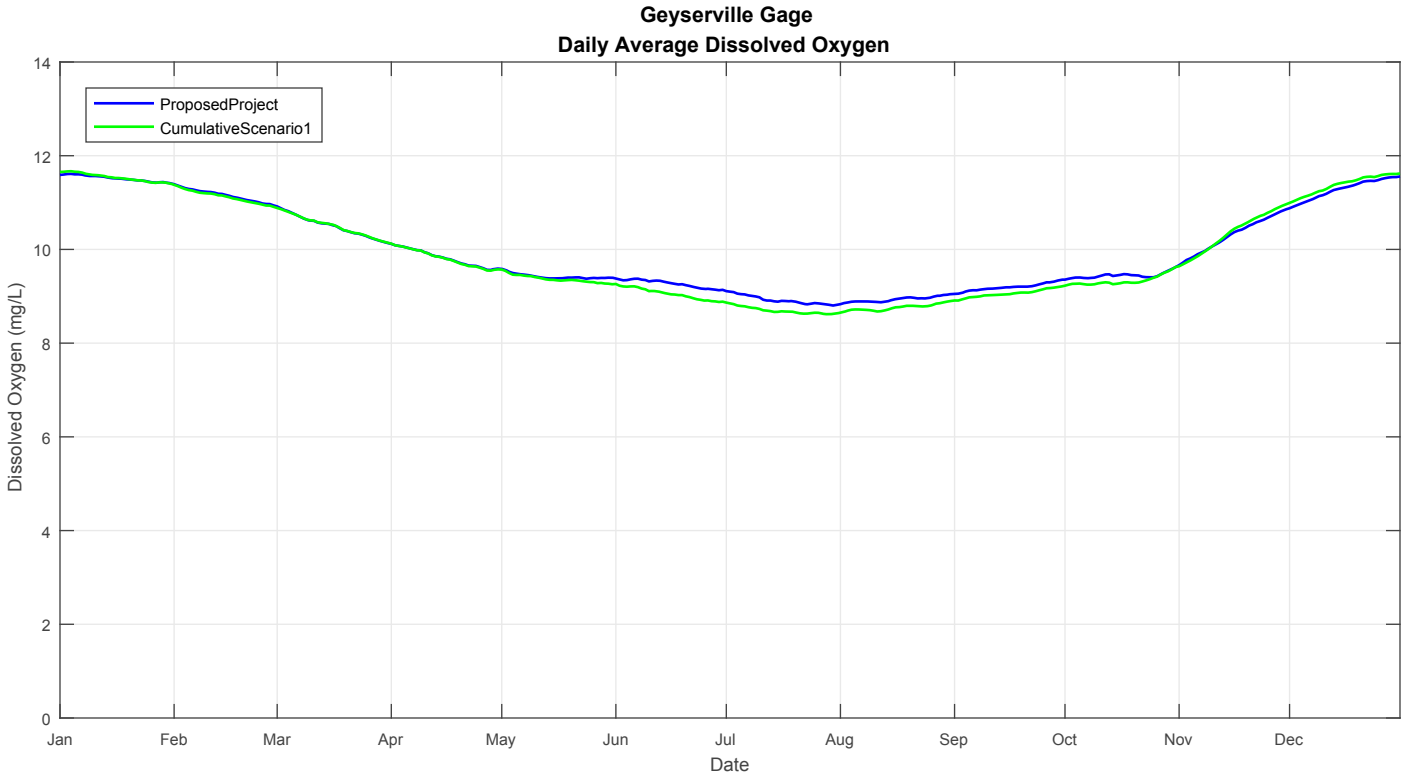
Geyserville Gage
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/L)
0
2
4
6
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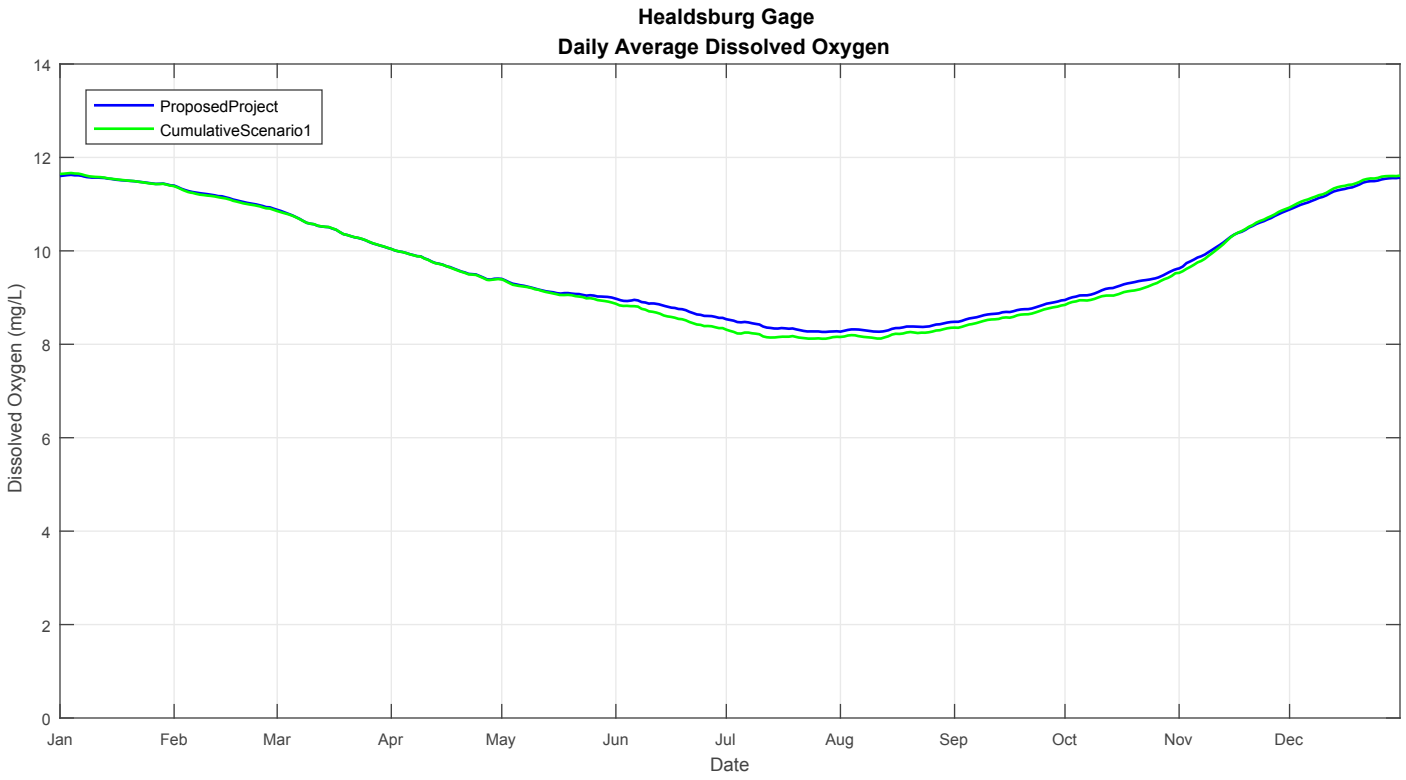
Nov
Dec
Date


Healdsburg Gage
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/L)
0
2
4
6
8
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12
14
Jan
Feb
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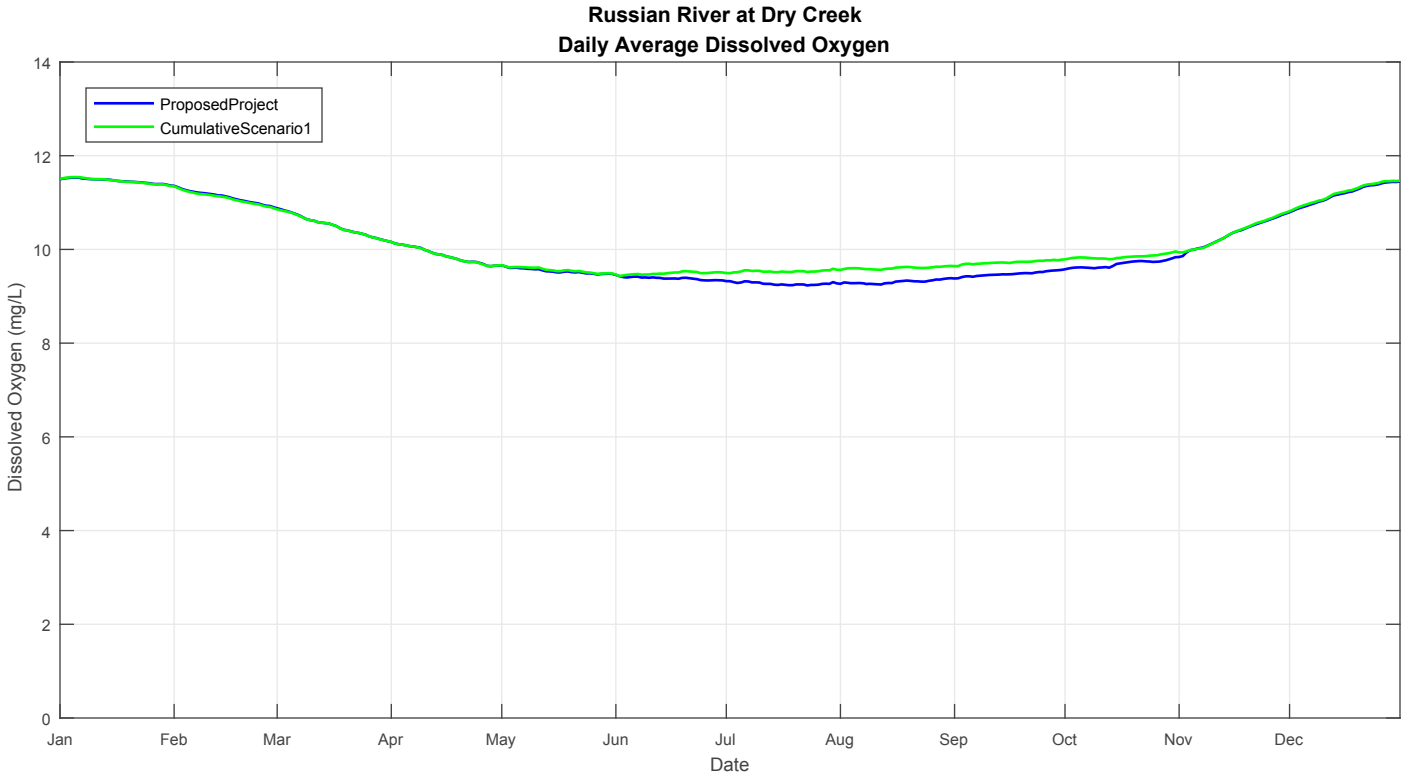
Dec
Date


Russian River at Dry Creek
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/L)
0
2
4
6
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12
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Jan
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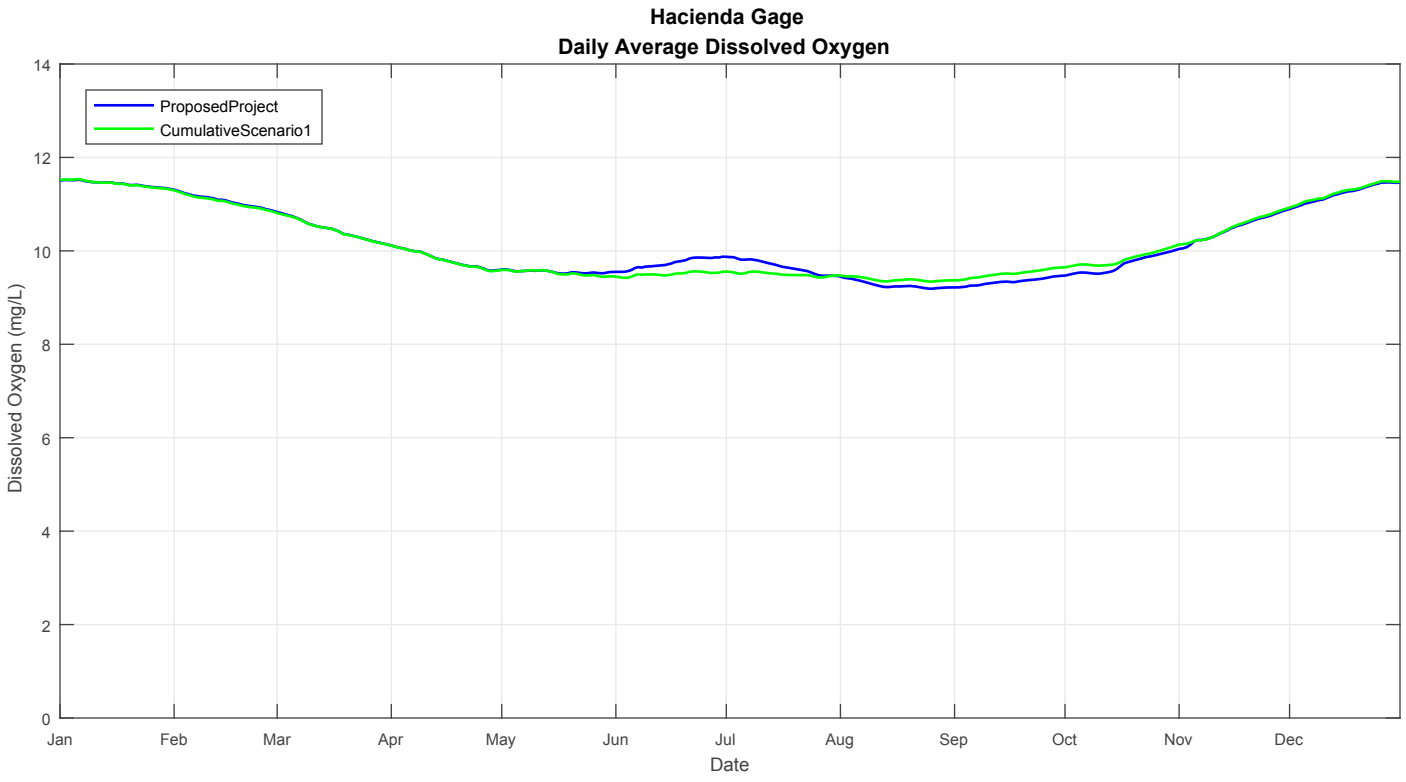
Hacienda Gage
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/L)
0
2
4
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12
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Jan
Feb
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Jun
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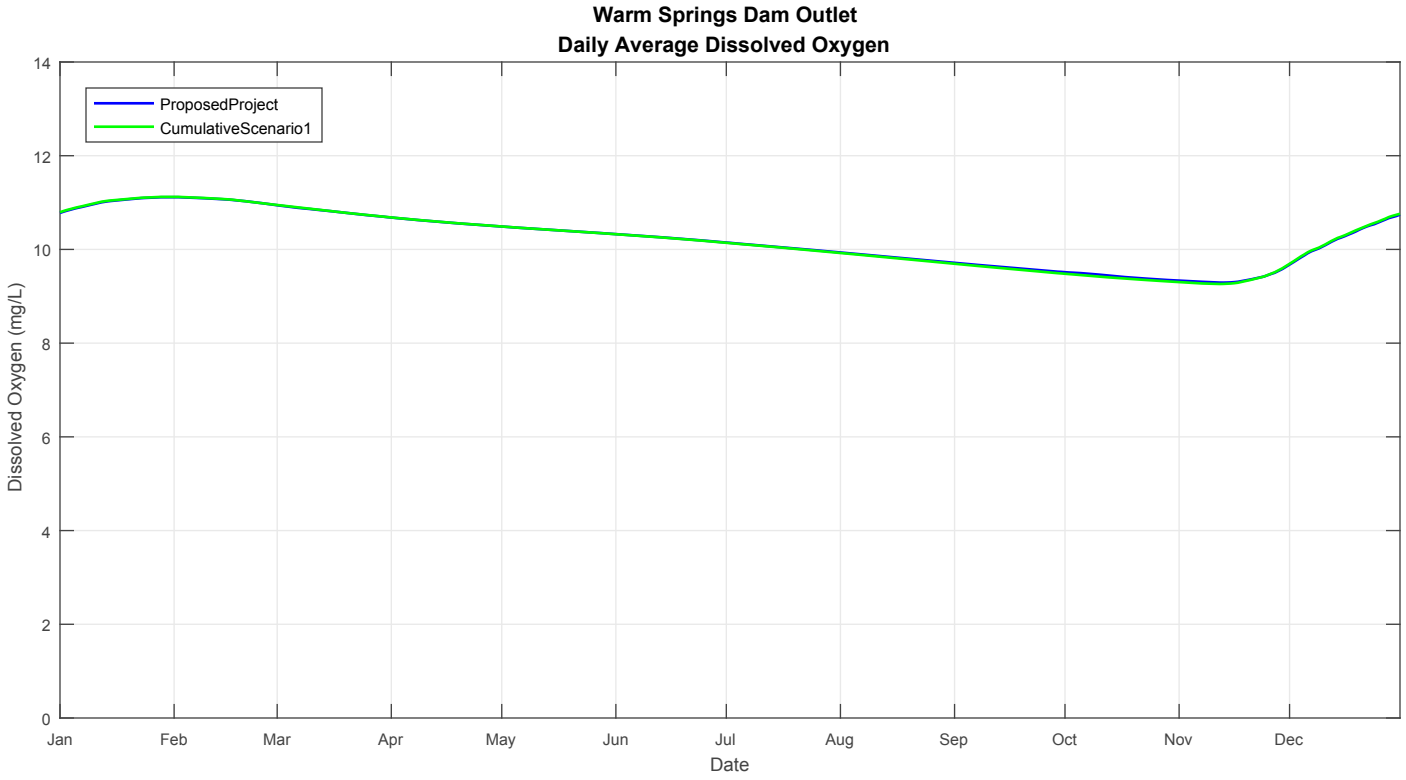
Date


Warm Springs Dam Outlet
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/L)
0
2
4
6
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12
14
Jan
Feb
Mar
Apr
May
Jun
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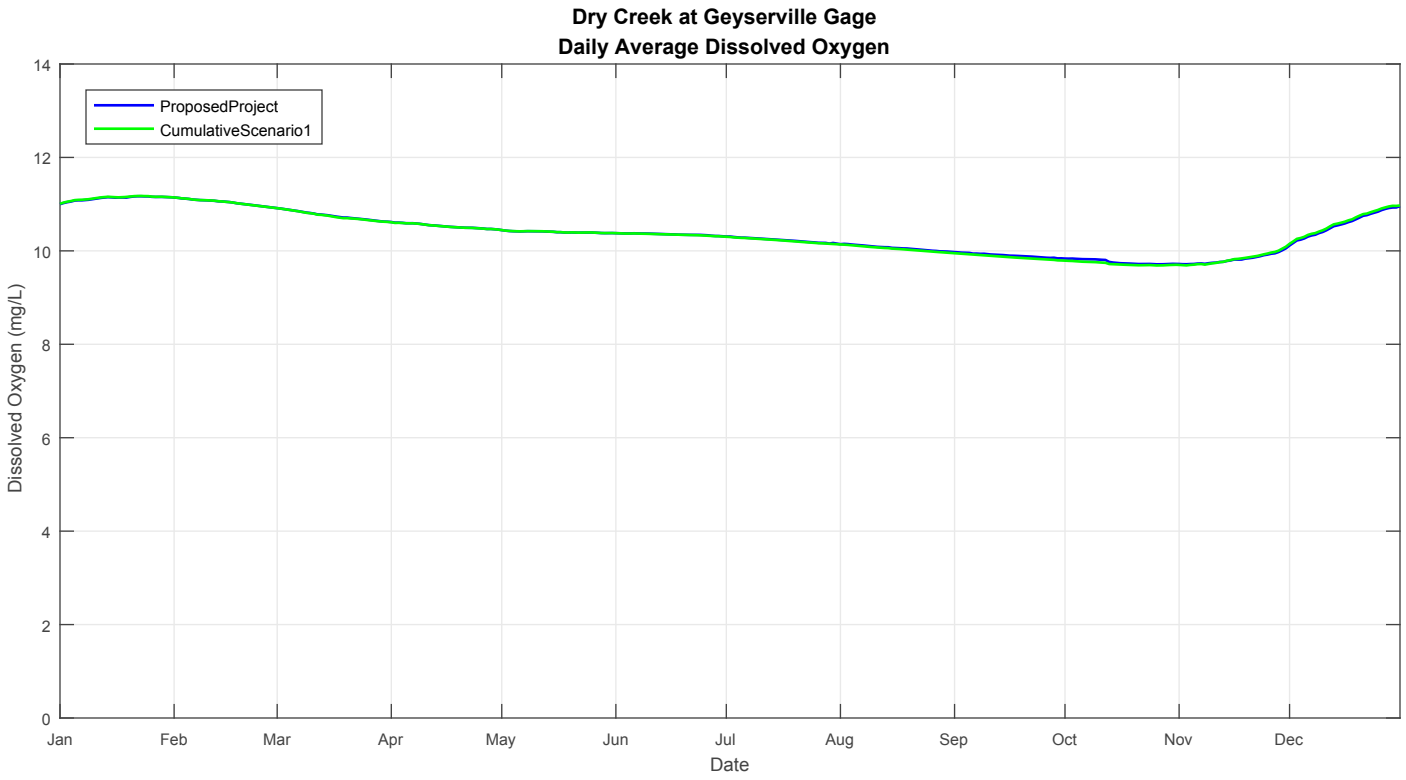
Aug
Sep
Oct
Nov
Dec
Date


Dry Creek at Geyserville Gage
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/L)
0
2
4
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Jan
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Mar
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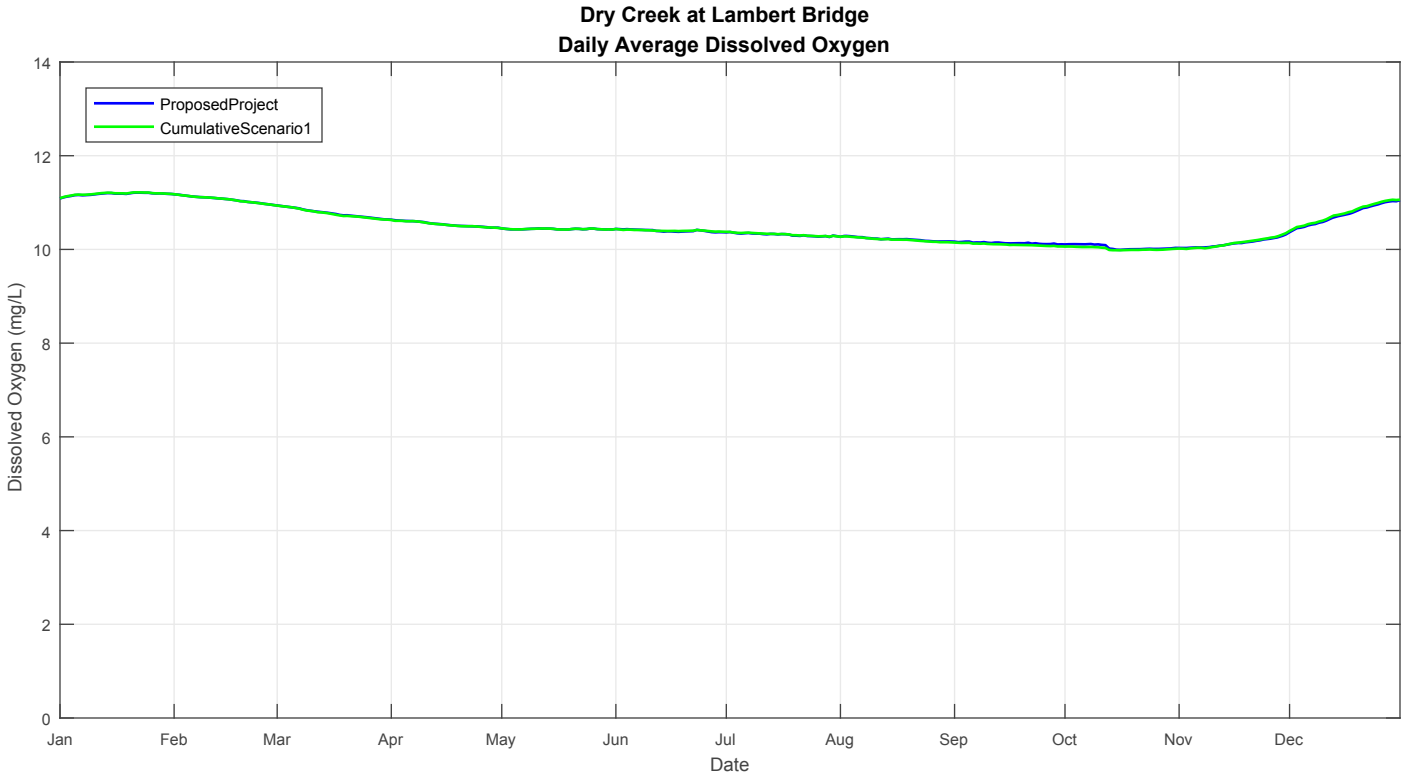
Dry Creek at Lambert Bridge
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/L)
0
2
4
6
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12
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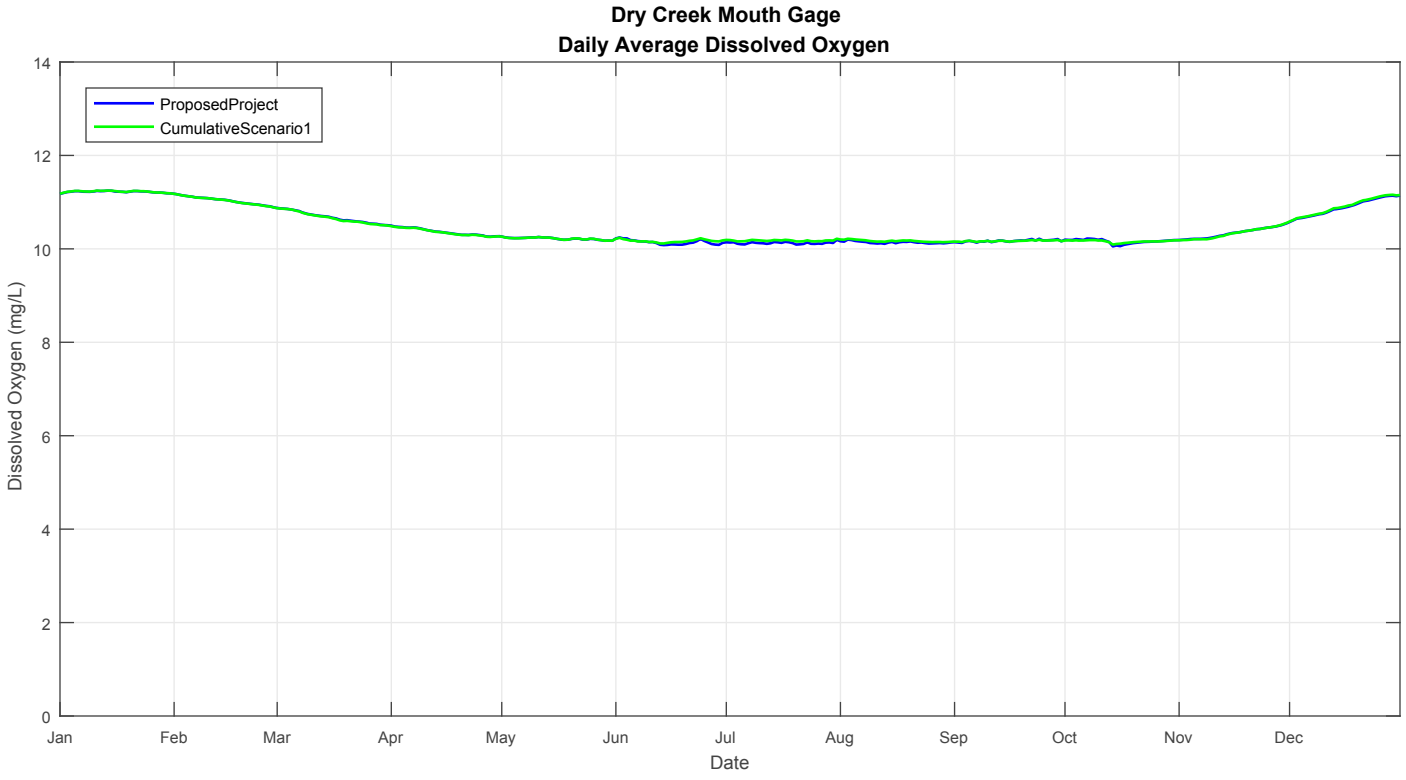
Date


Dry Creek Mouth Gage
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/L)
0
2
4
6
8
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12
14
Jan
Feb
Mar
Apr
May
Jun
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Oct
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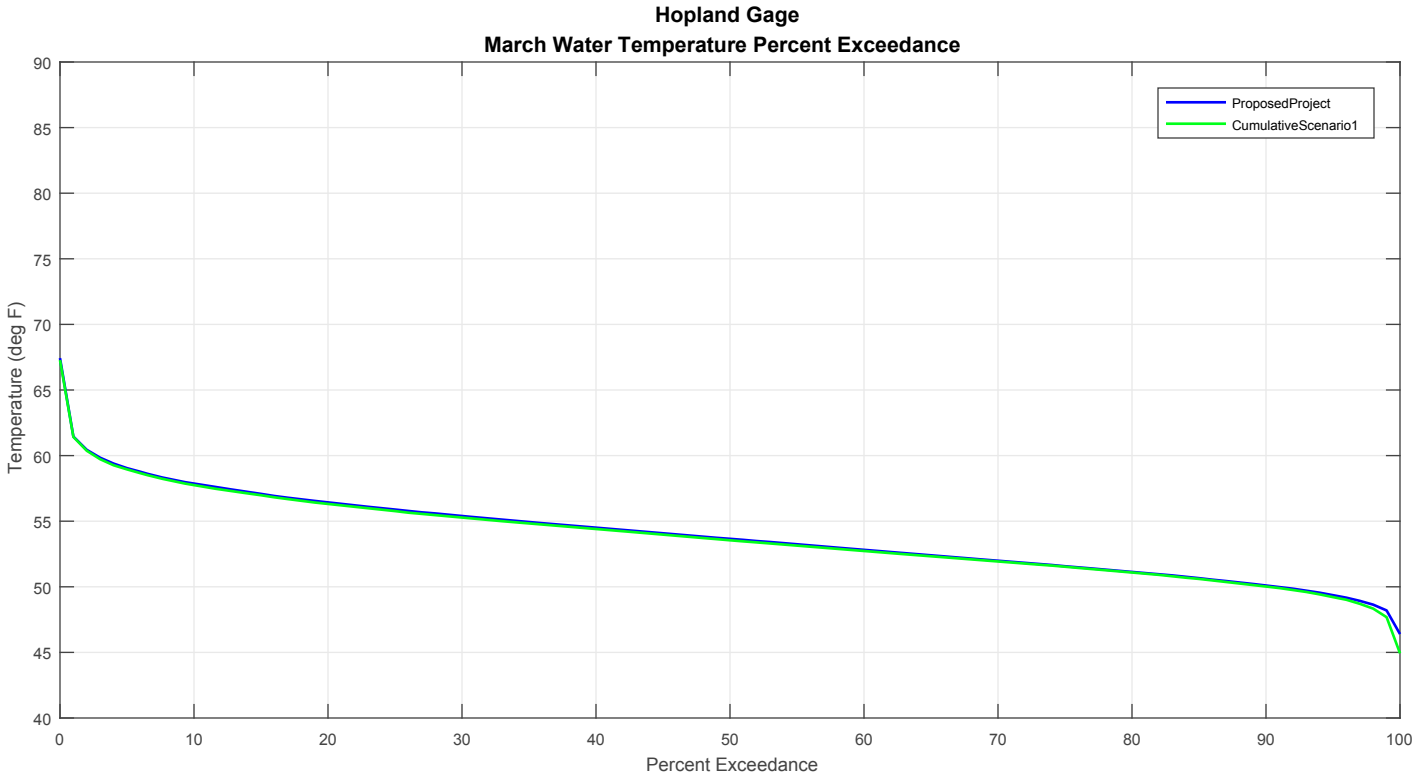
Date


Hopland Gage
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
90
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80
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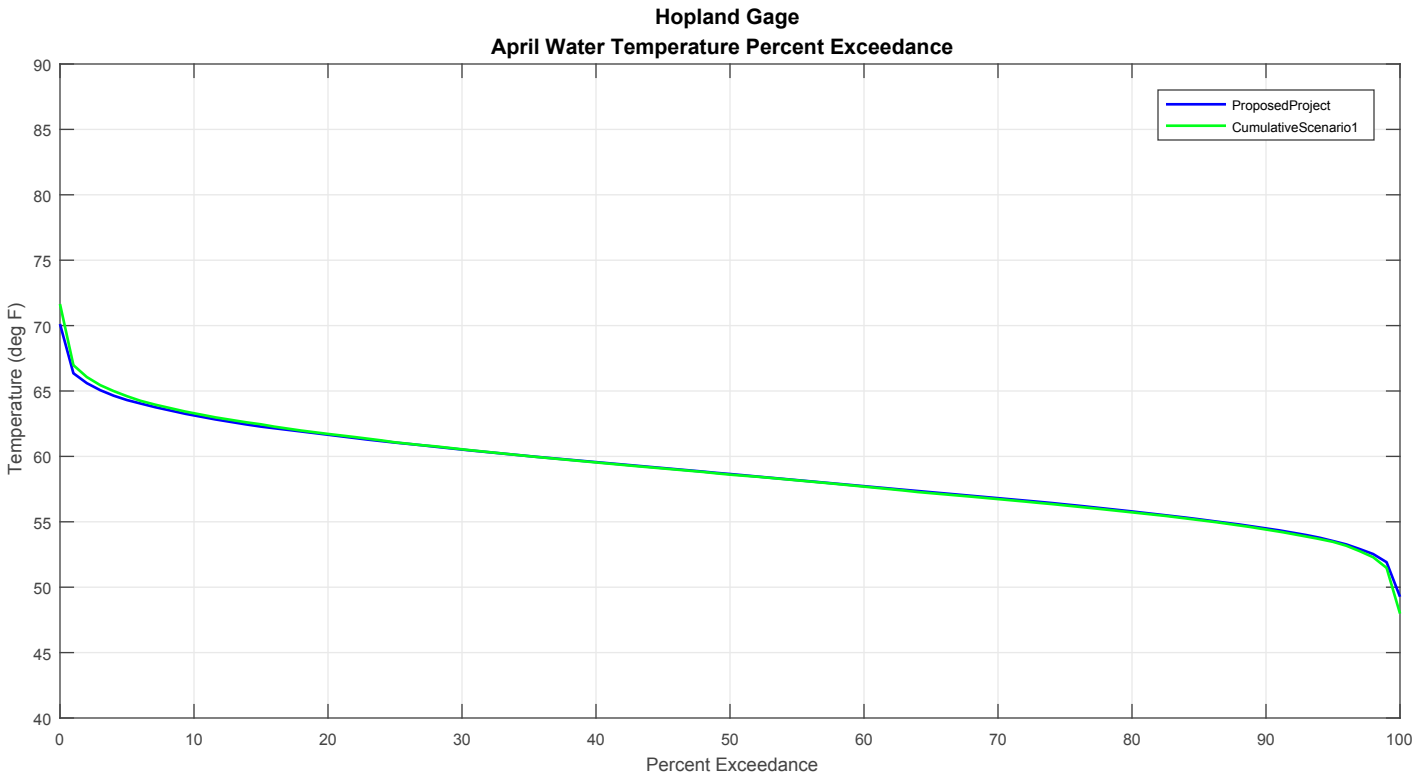
80
90
100


Hopland Gage
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
90
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80
90
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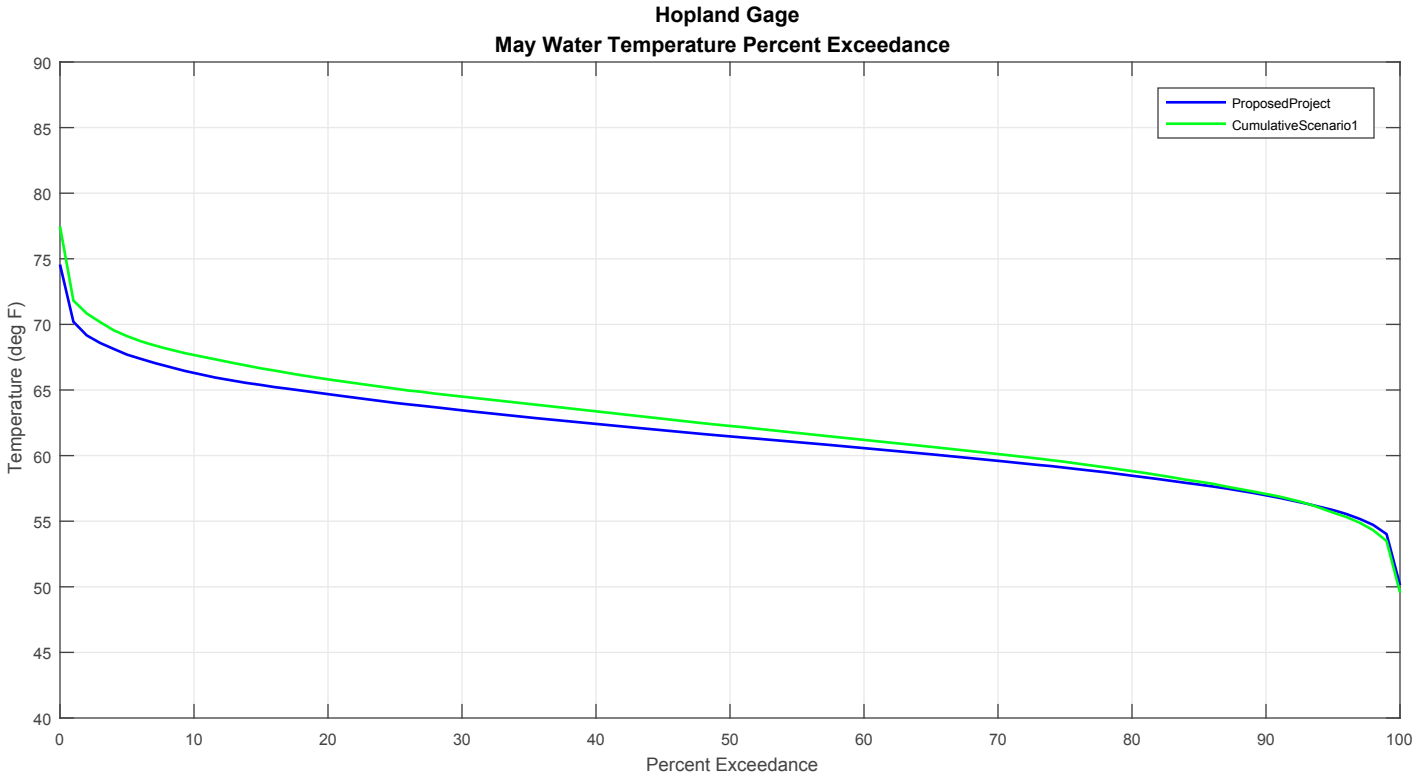
Hopland Gage
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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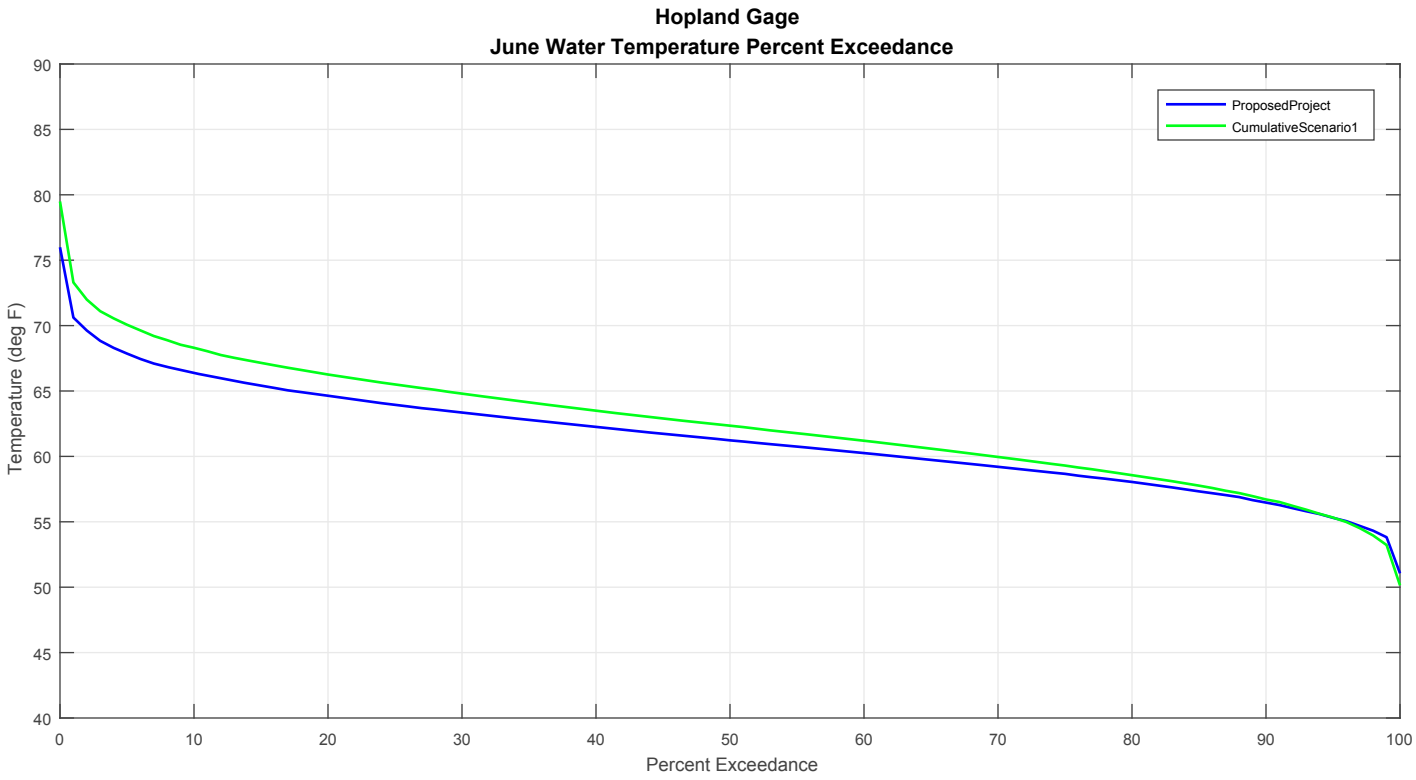
70
80
90
100


Hopland Gage
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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80
90
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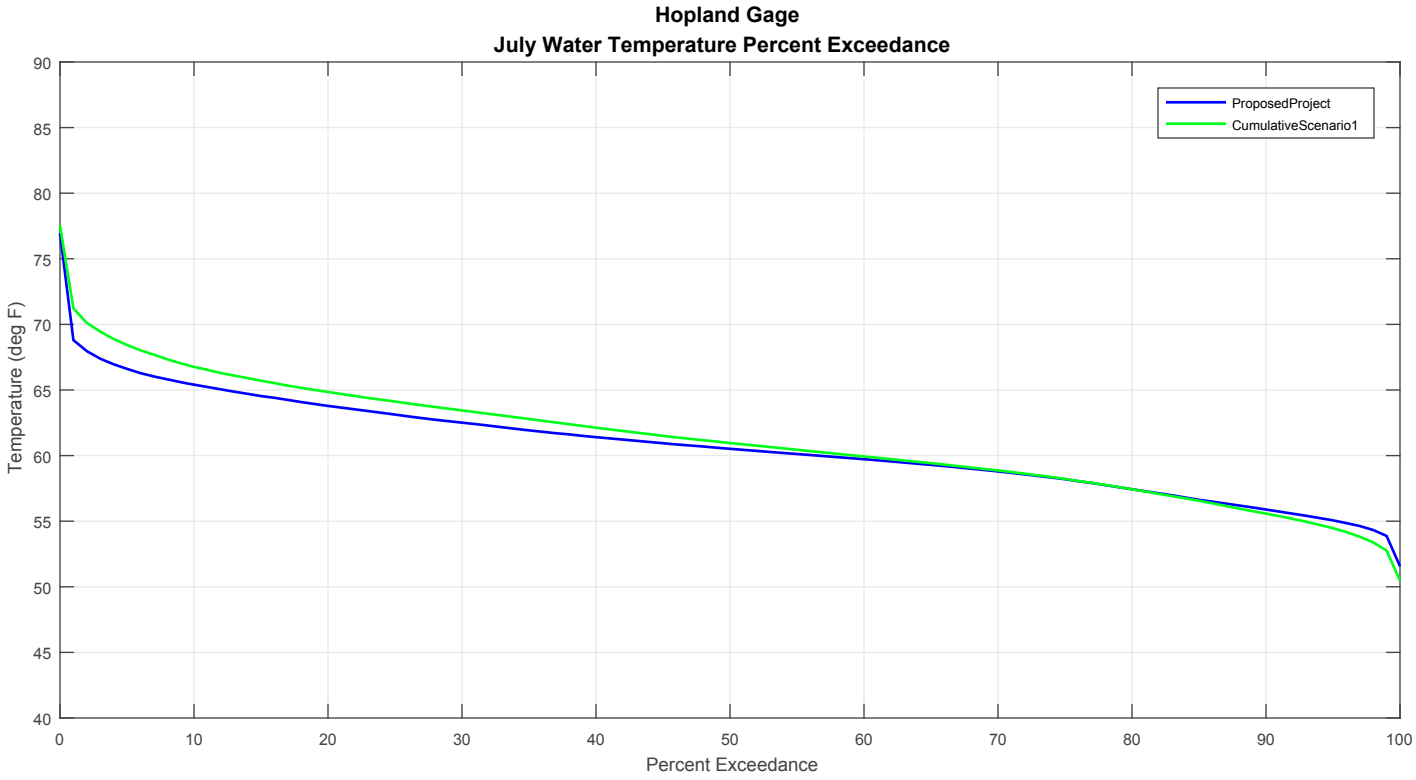
Hopland Gage
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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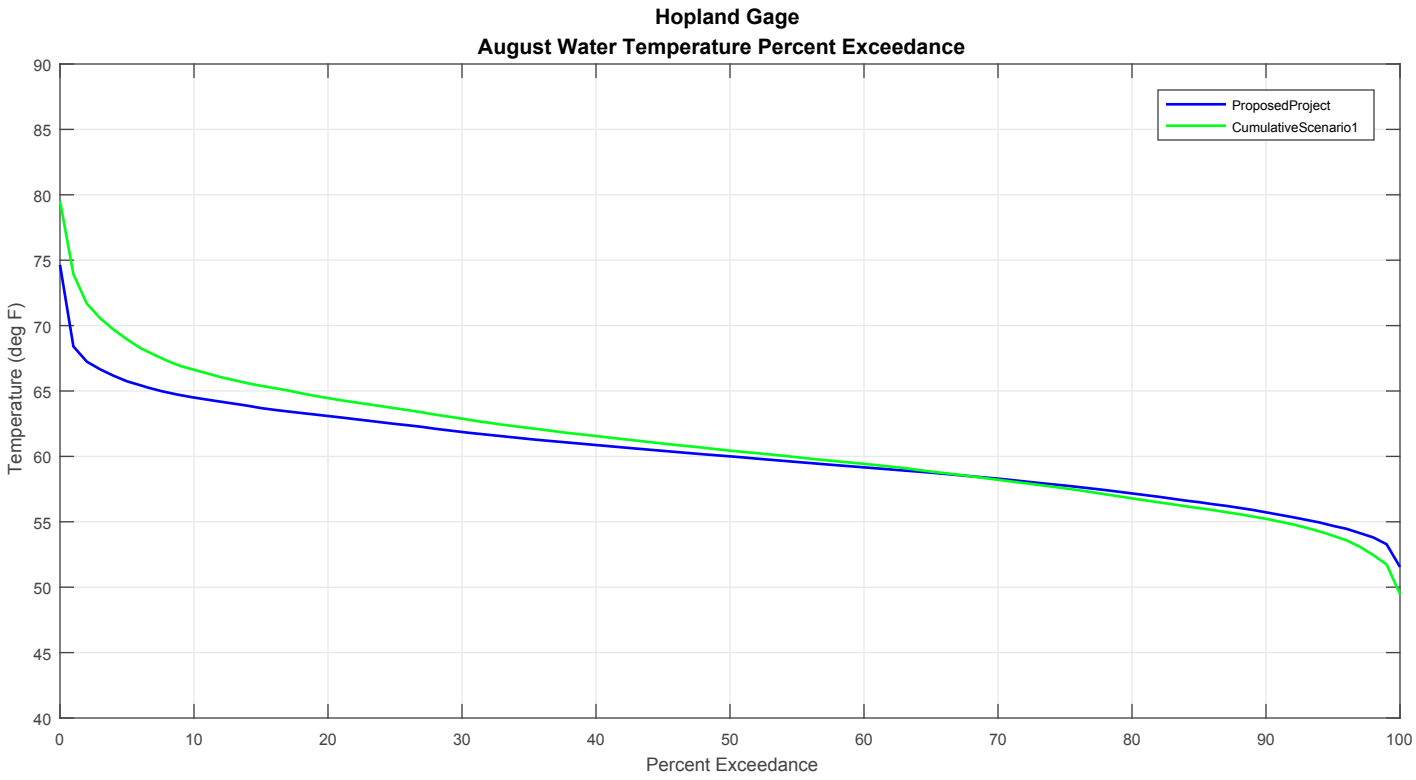
90
100


Hopland Gage
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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30
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90
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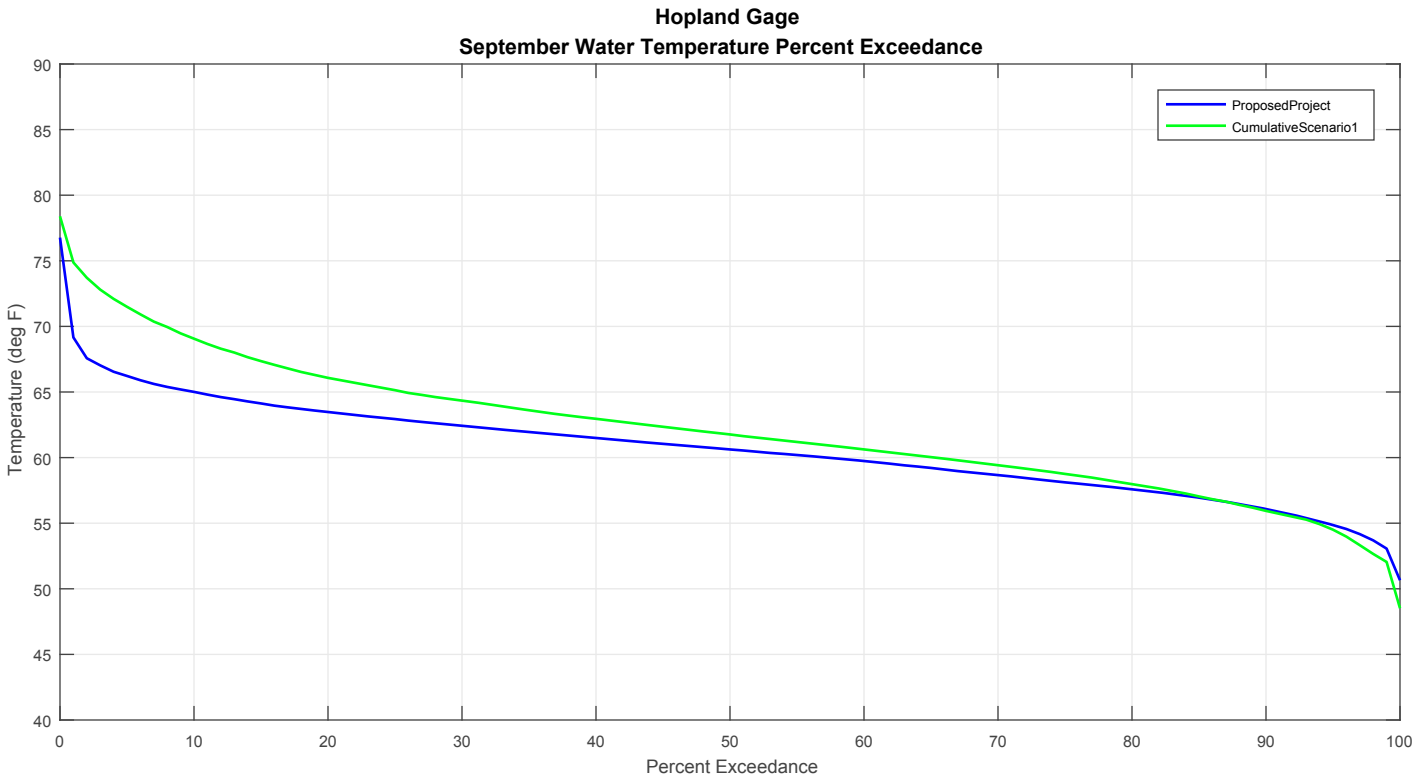
Hopland Gage
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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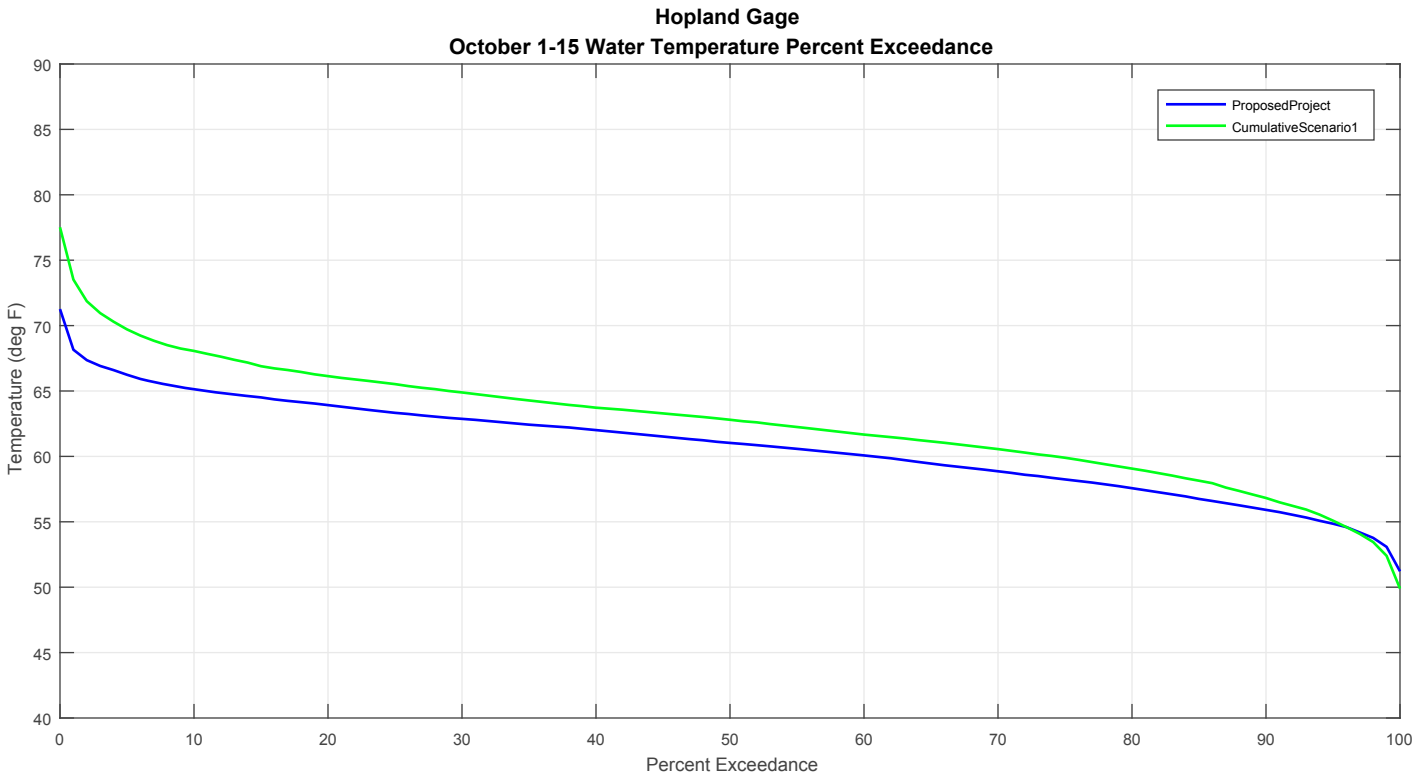
80
90
100


Hopland Gage
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
90
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30
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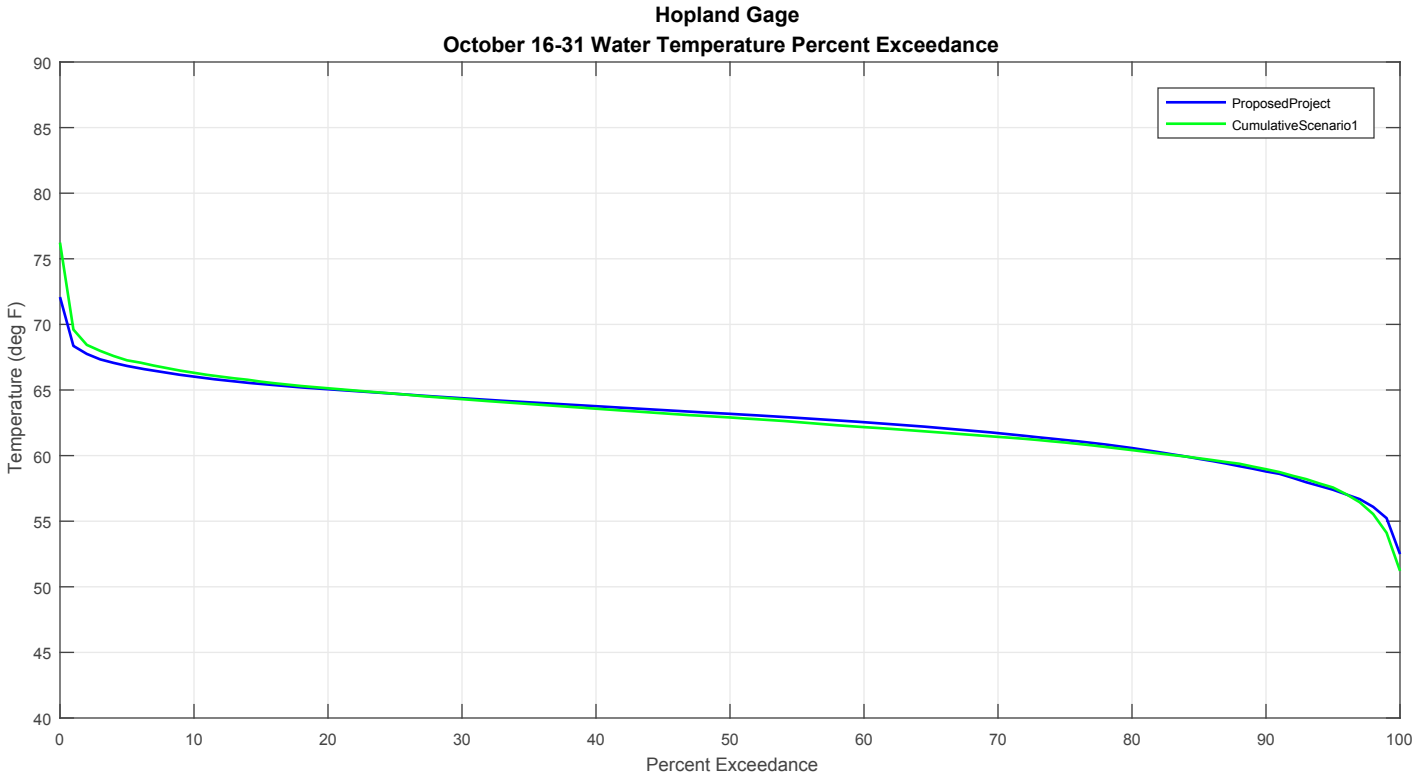
80
90
100


Hopland Gage
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
90
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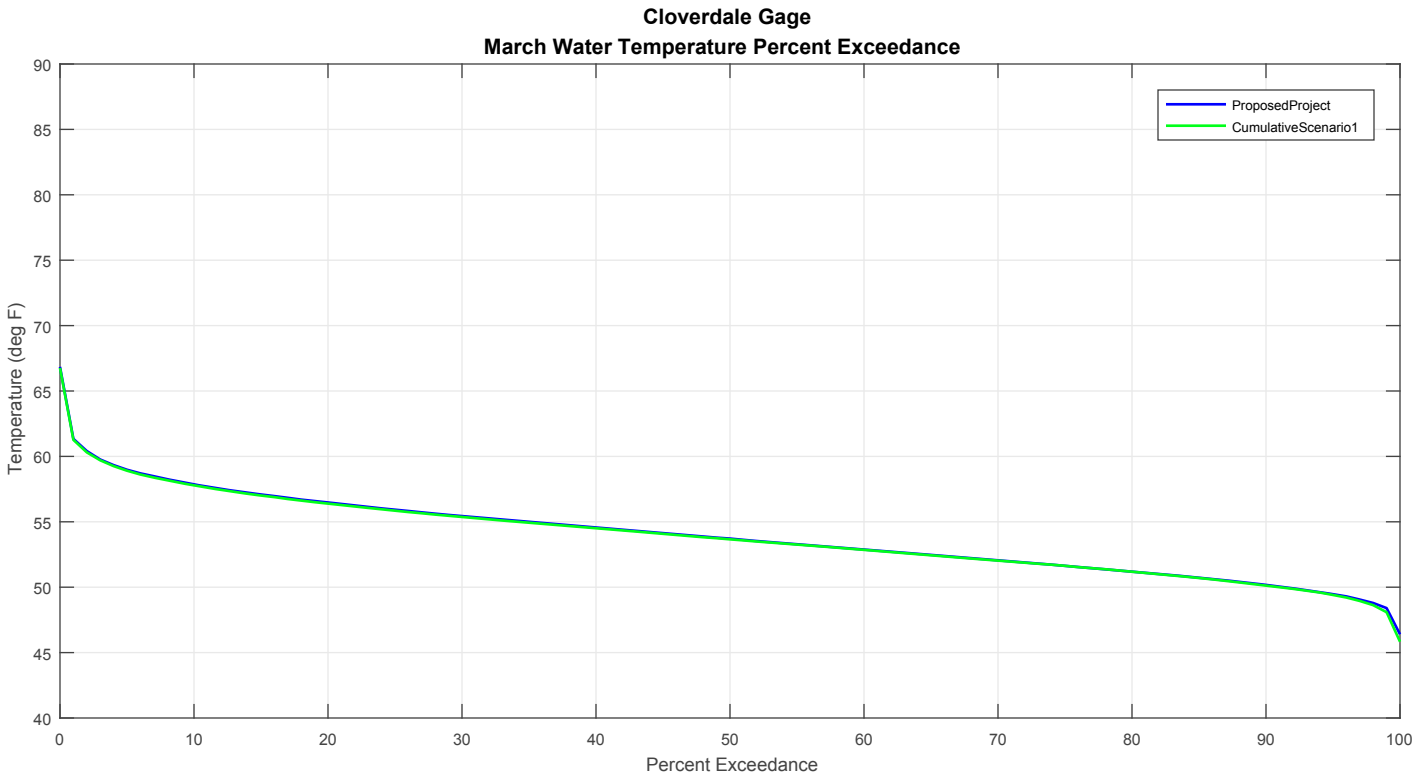
90
100


Cloverdale Gage
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
90
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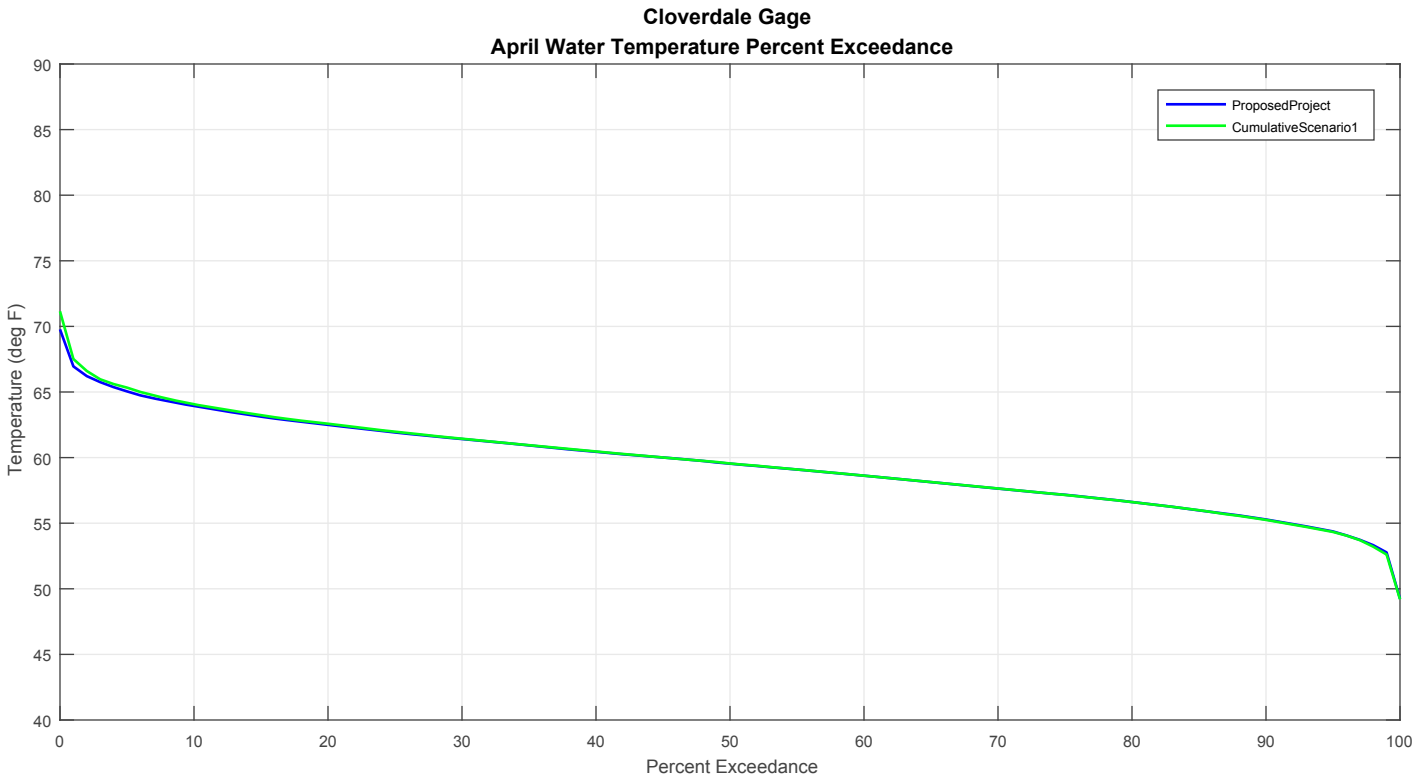
80
90
100


Cloverdale Gage
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
90
85
80
75
70
65
60
55
50
45
40
0
10
20
30
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50
60
70
80
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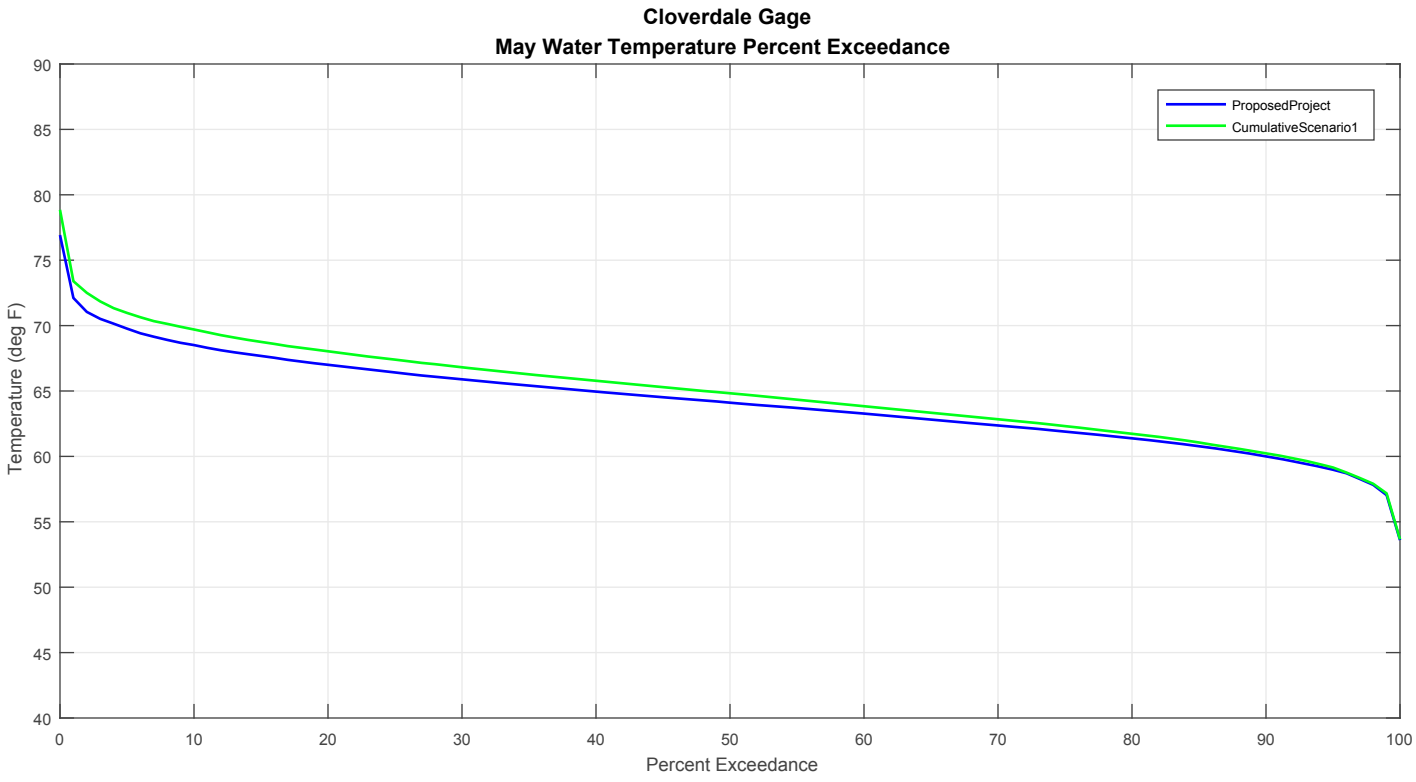
Cloverdale Gage
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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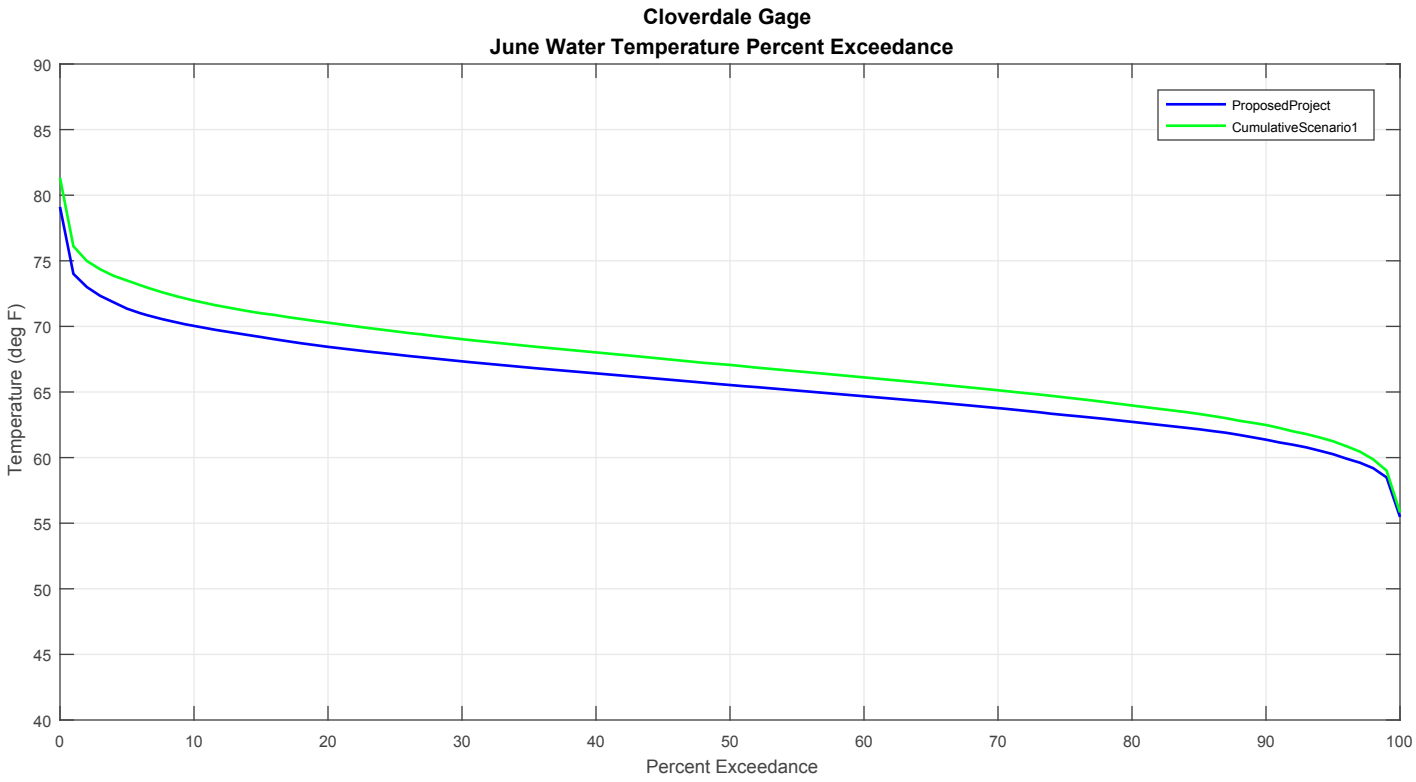
Cloverdale Gage
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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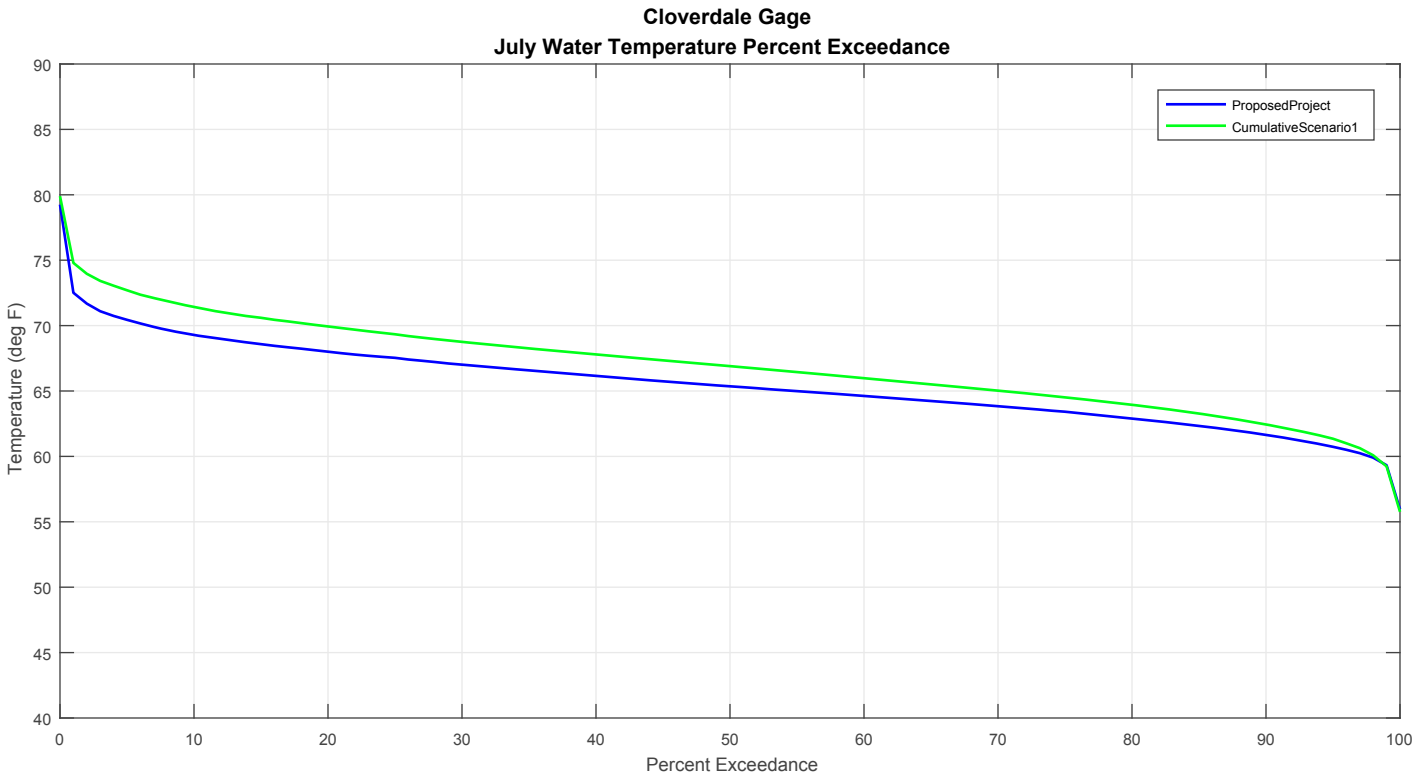
Cloverdale Gage
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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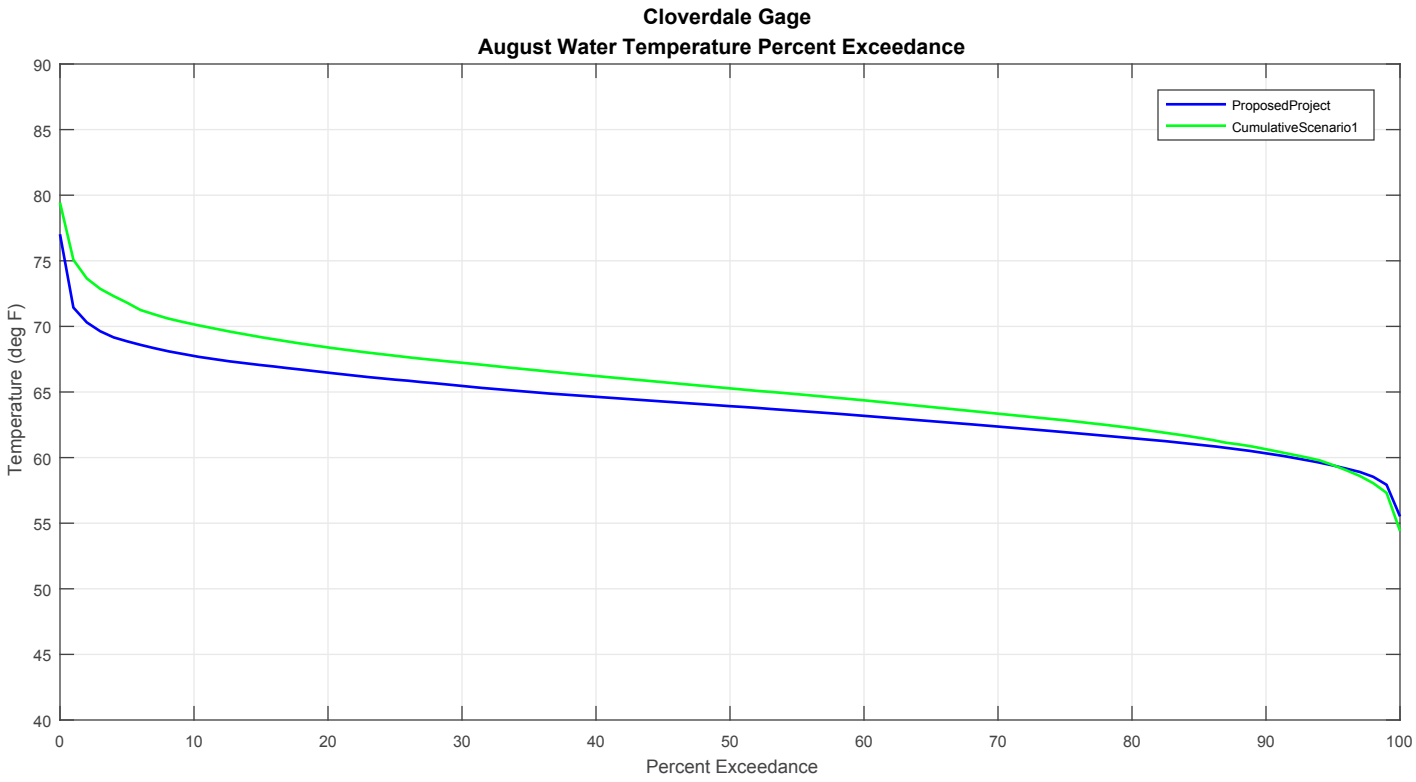
Cloverdale Gage
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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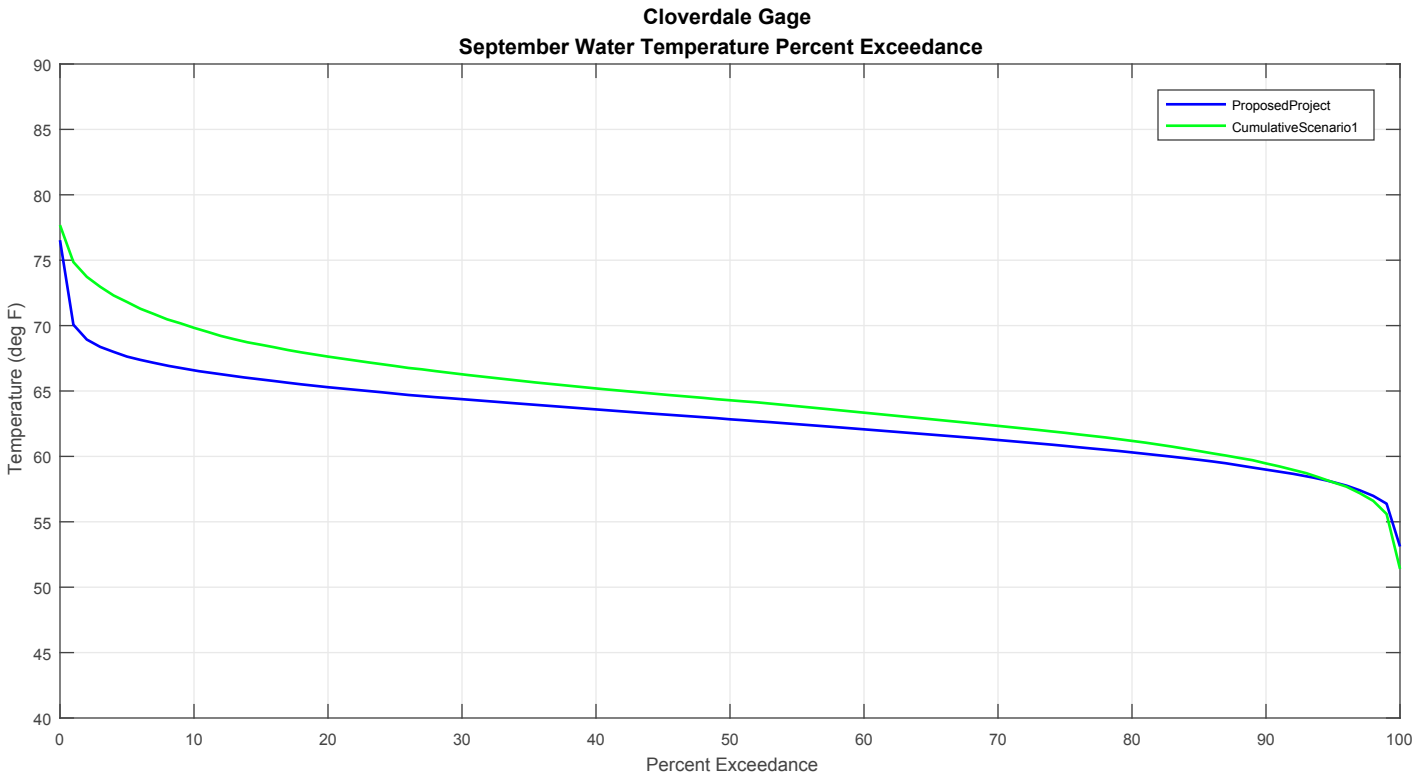
Cloverdale Gage
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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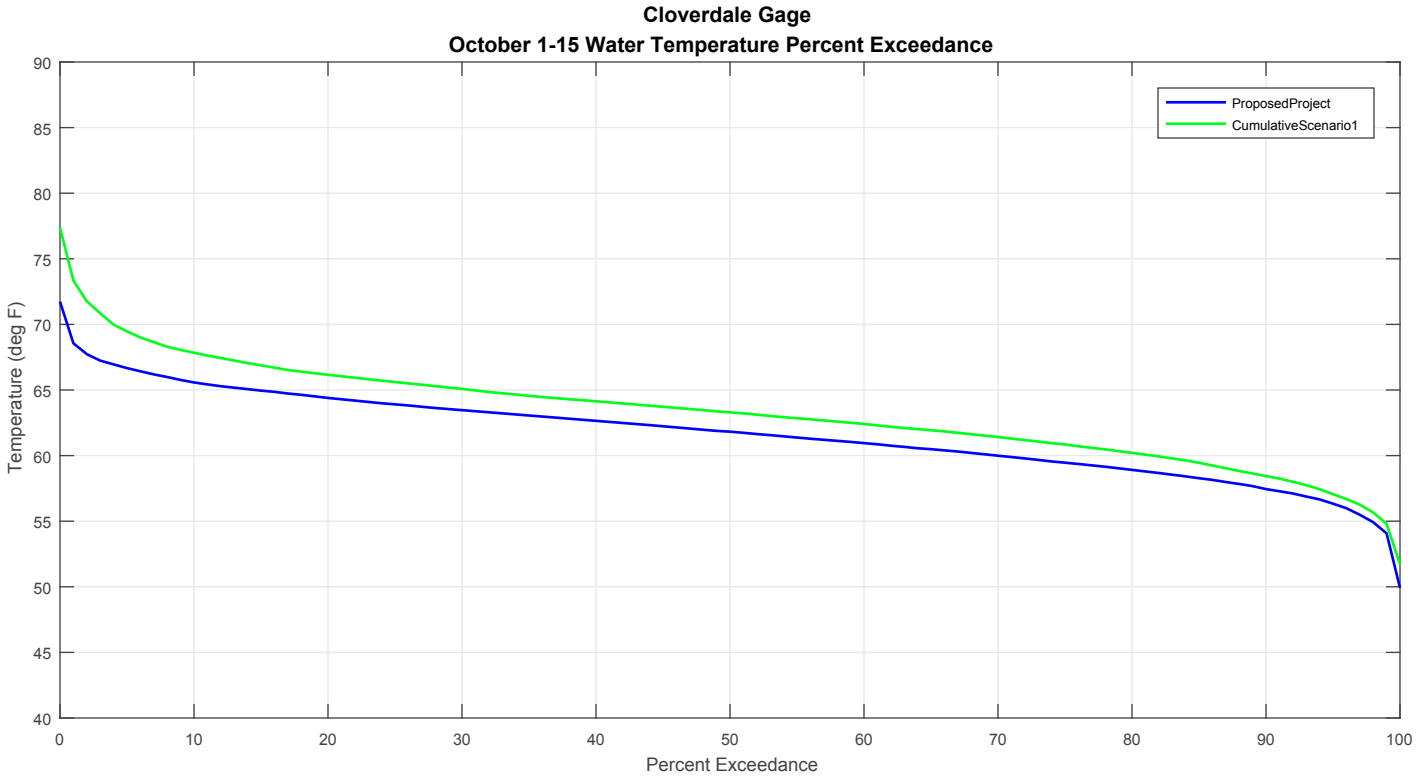
Cloverdale Gage
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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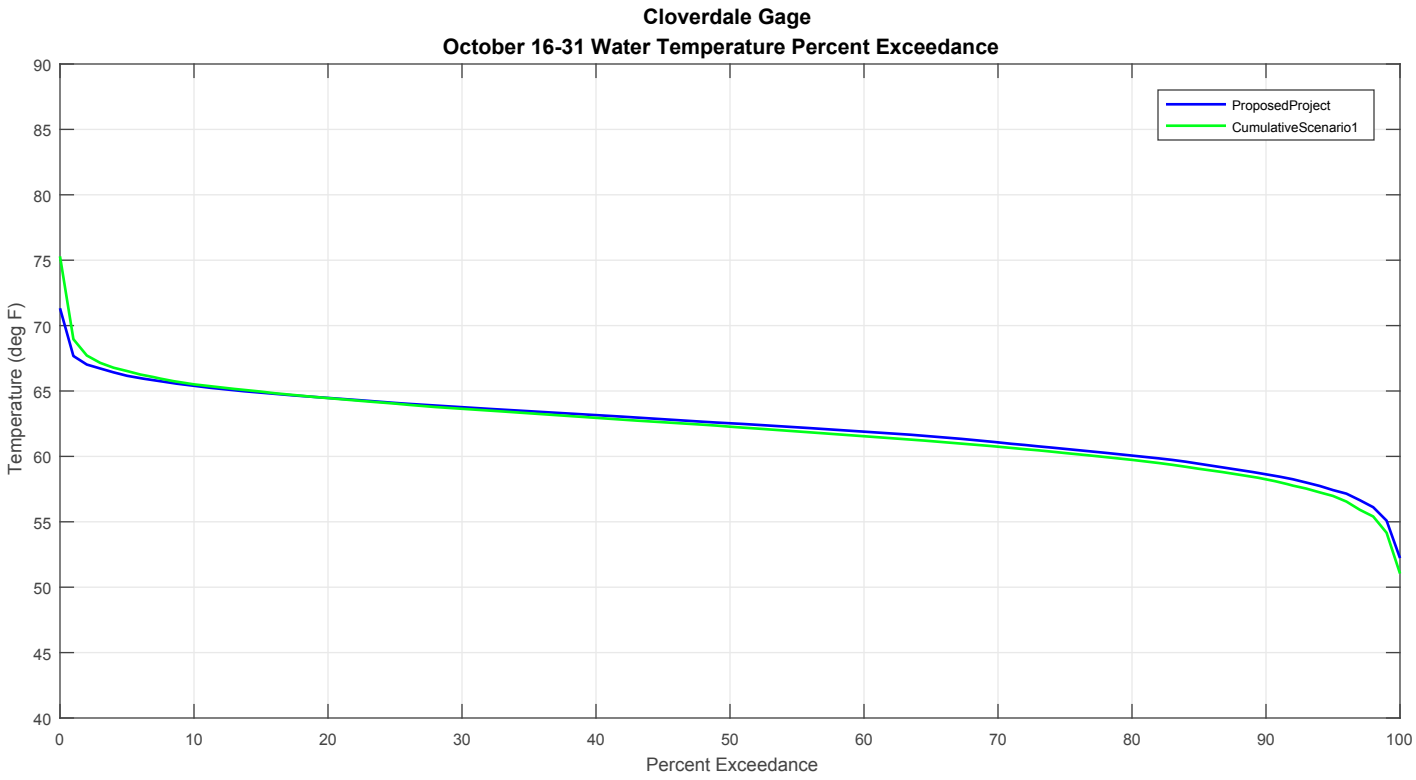
Cloverdale Gage
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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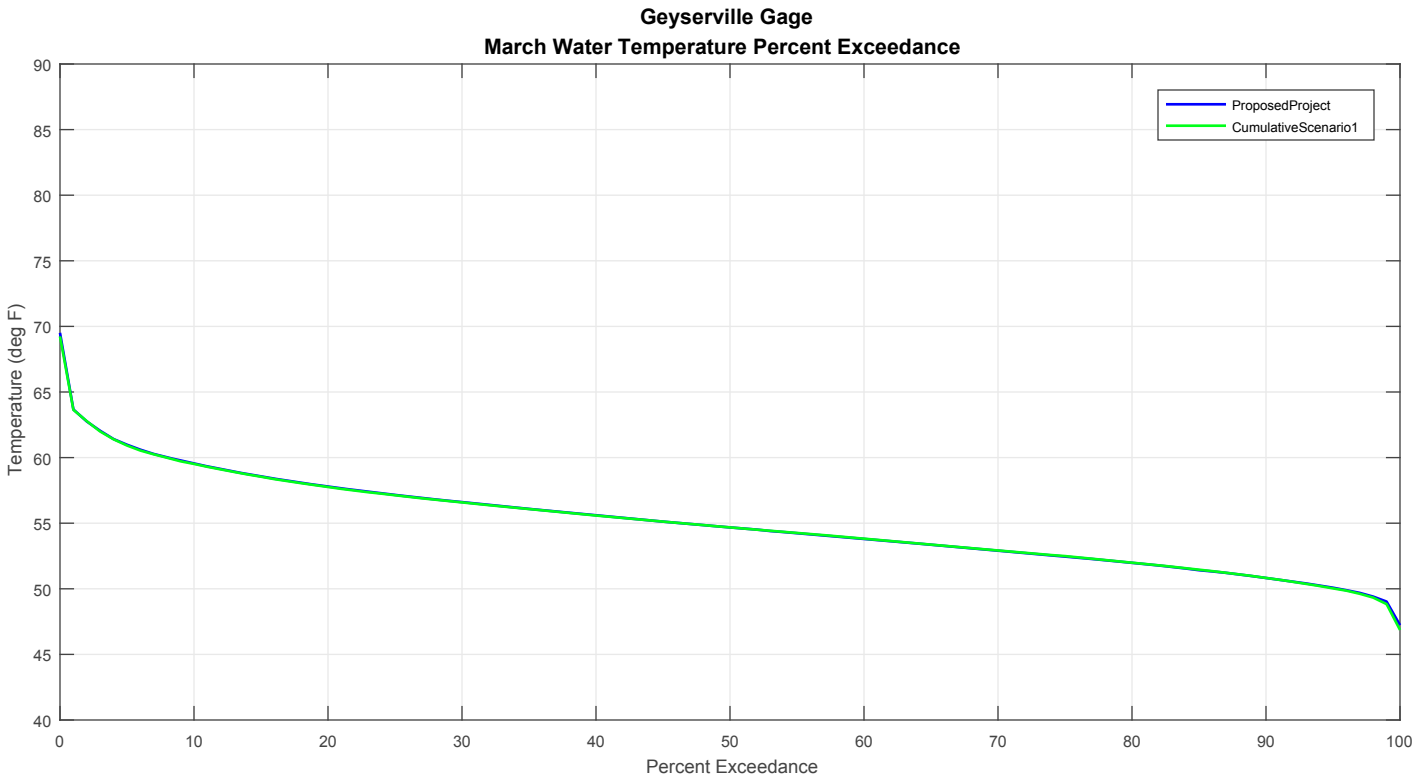
Geyserville Gage
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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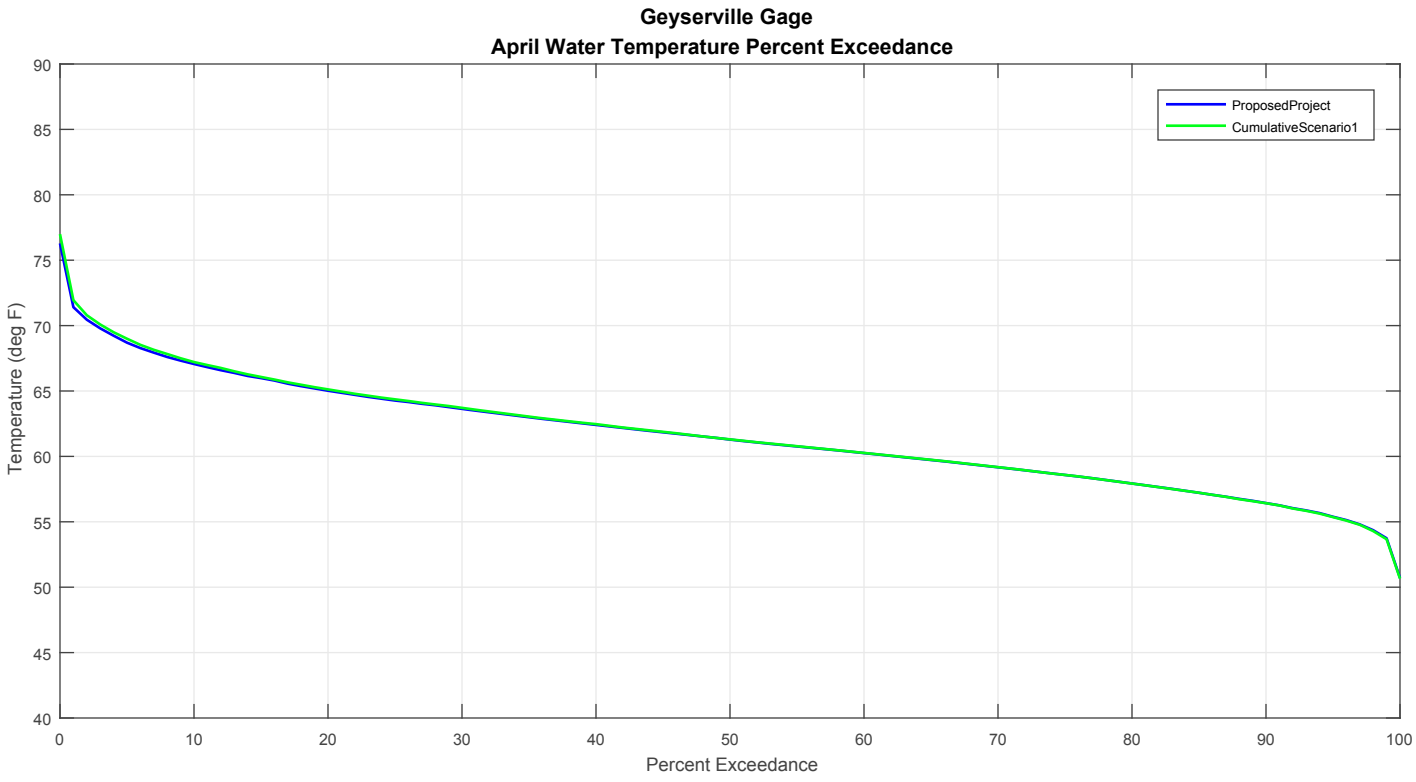
Geyserville Gage
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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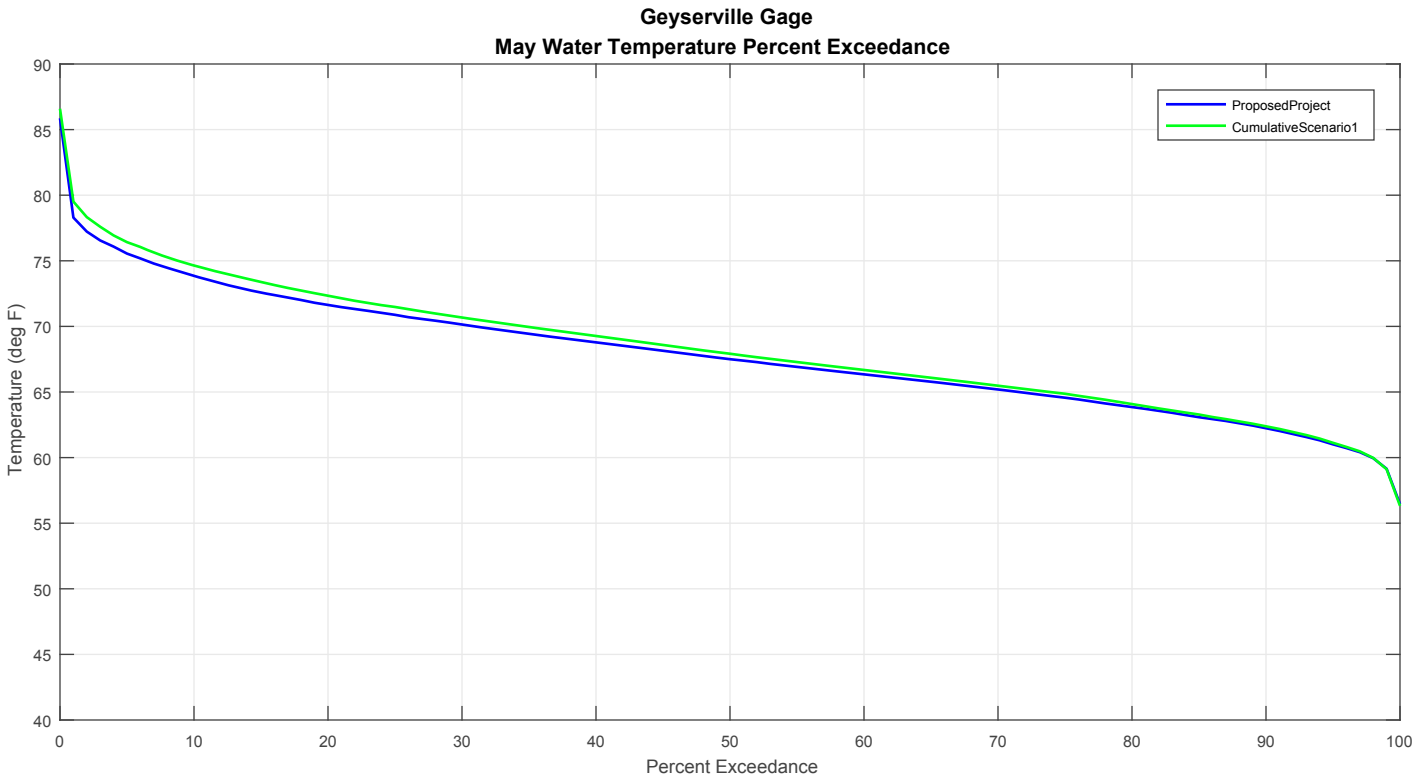
Geyserville Gage
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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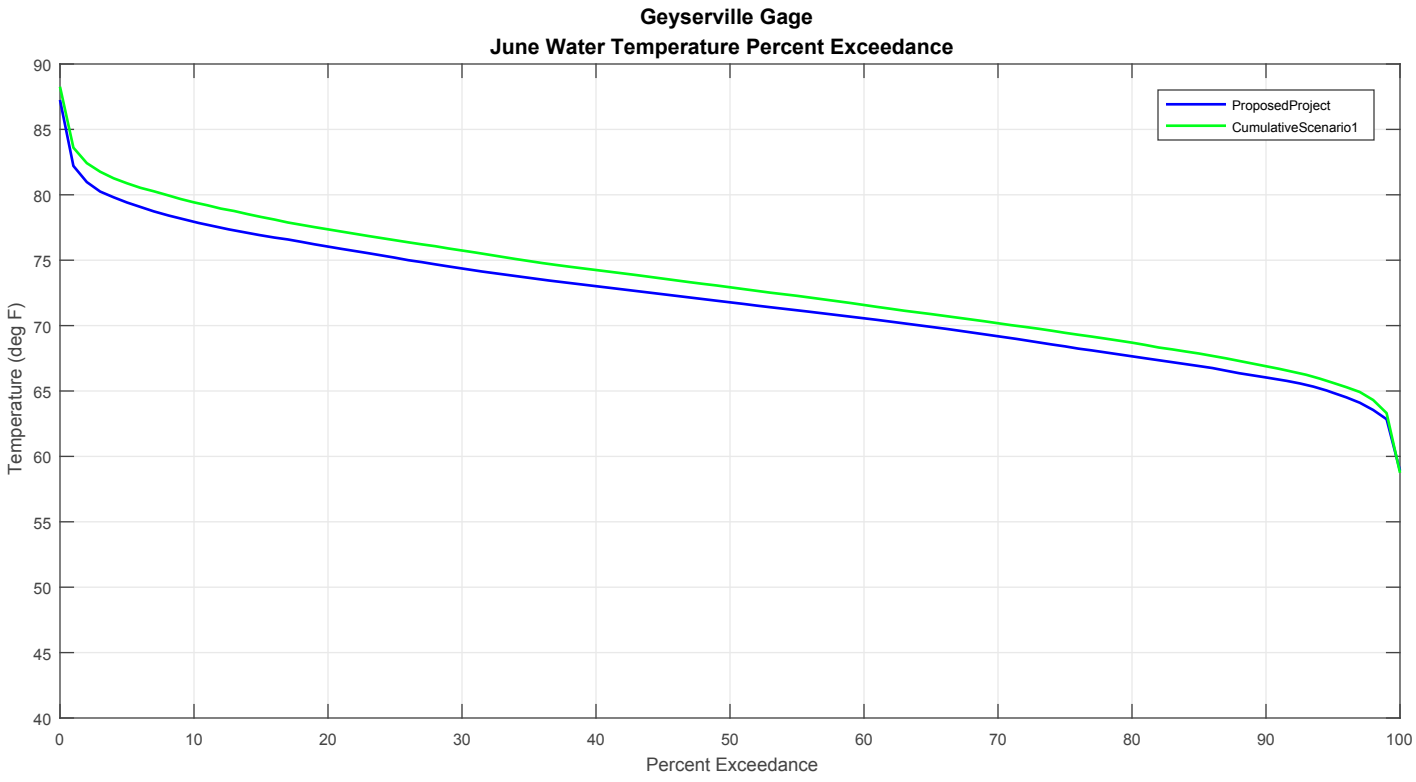
Geyserville Gage
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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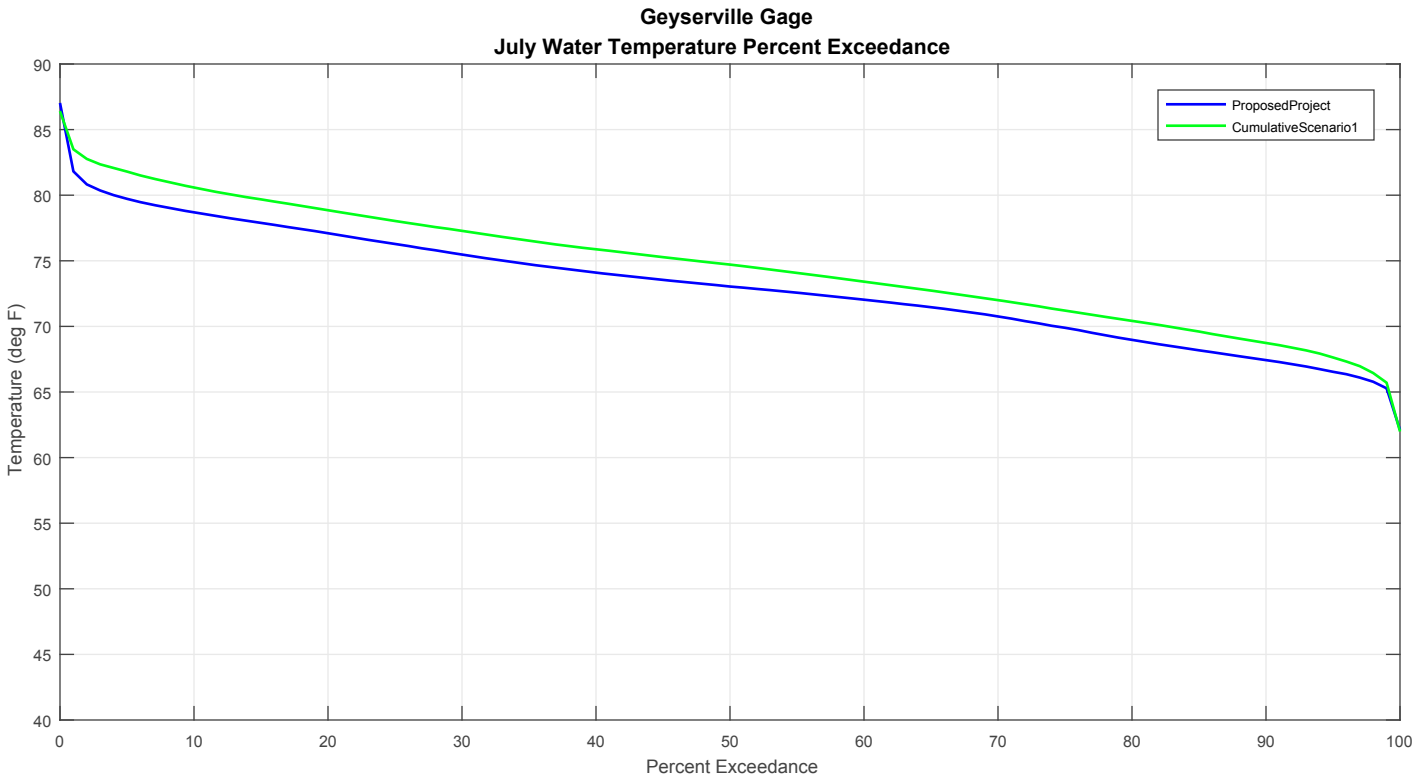
Geyserville Gage
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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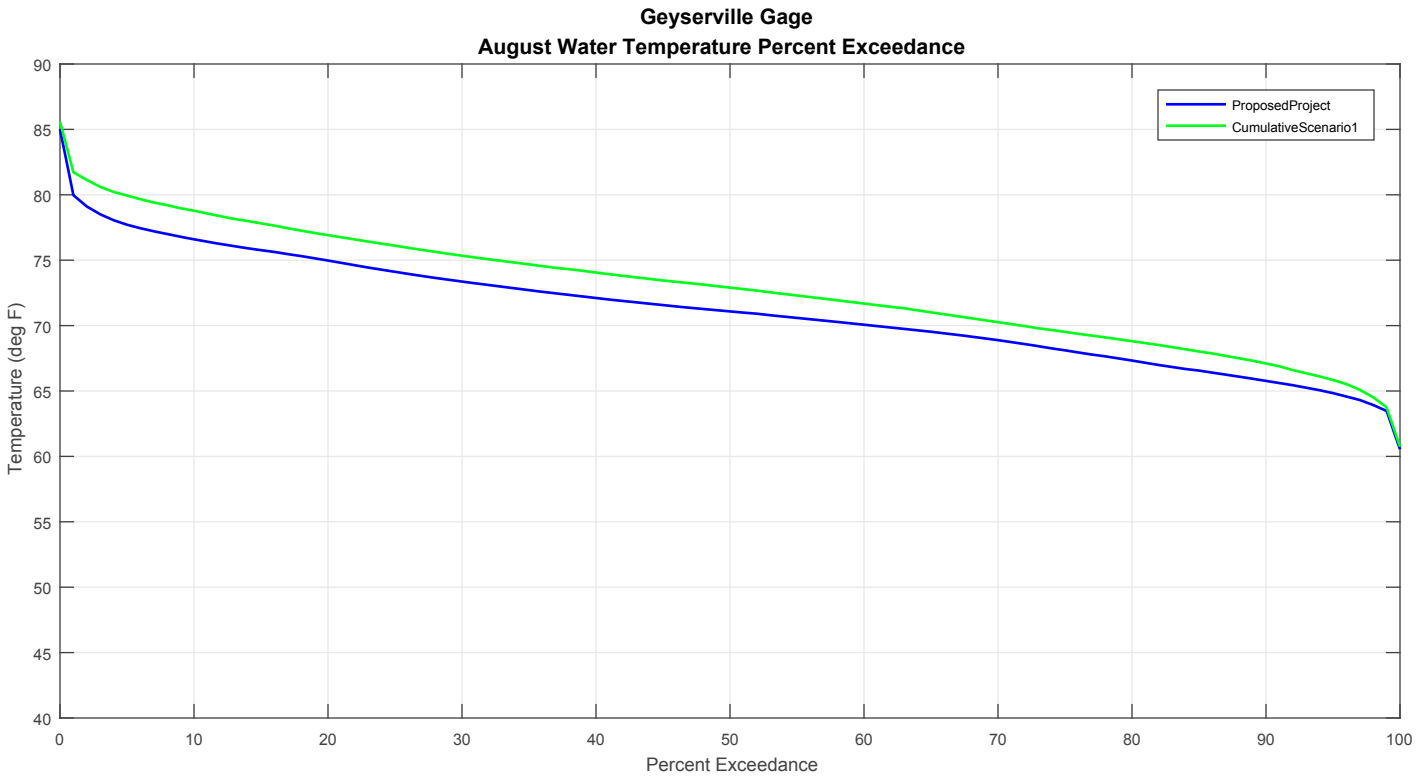
Geyserville Gage
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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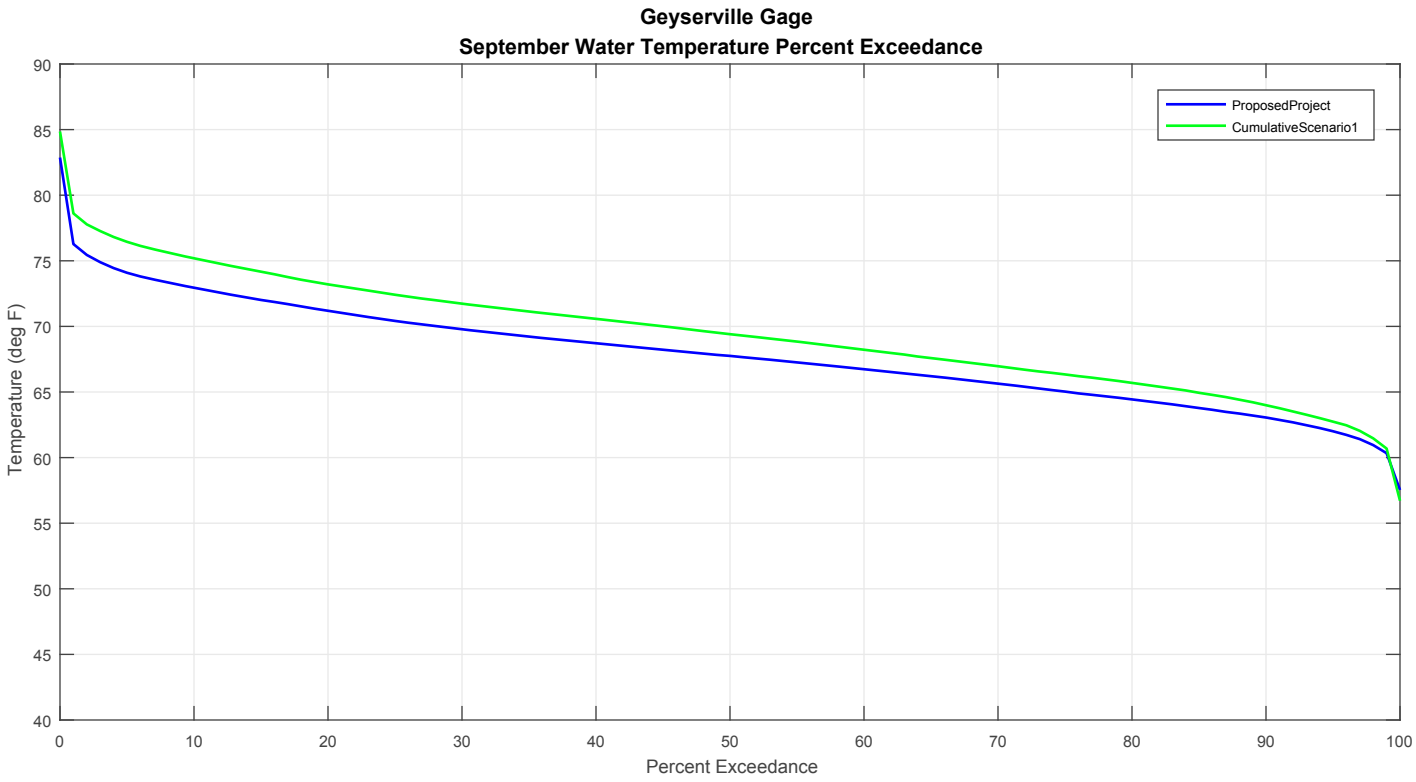
Geyserville Gage
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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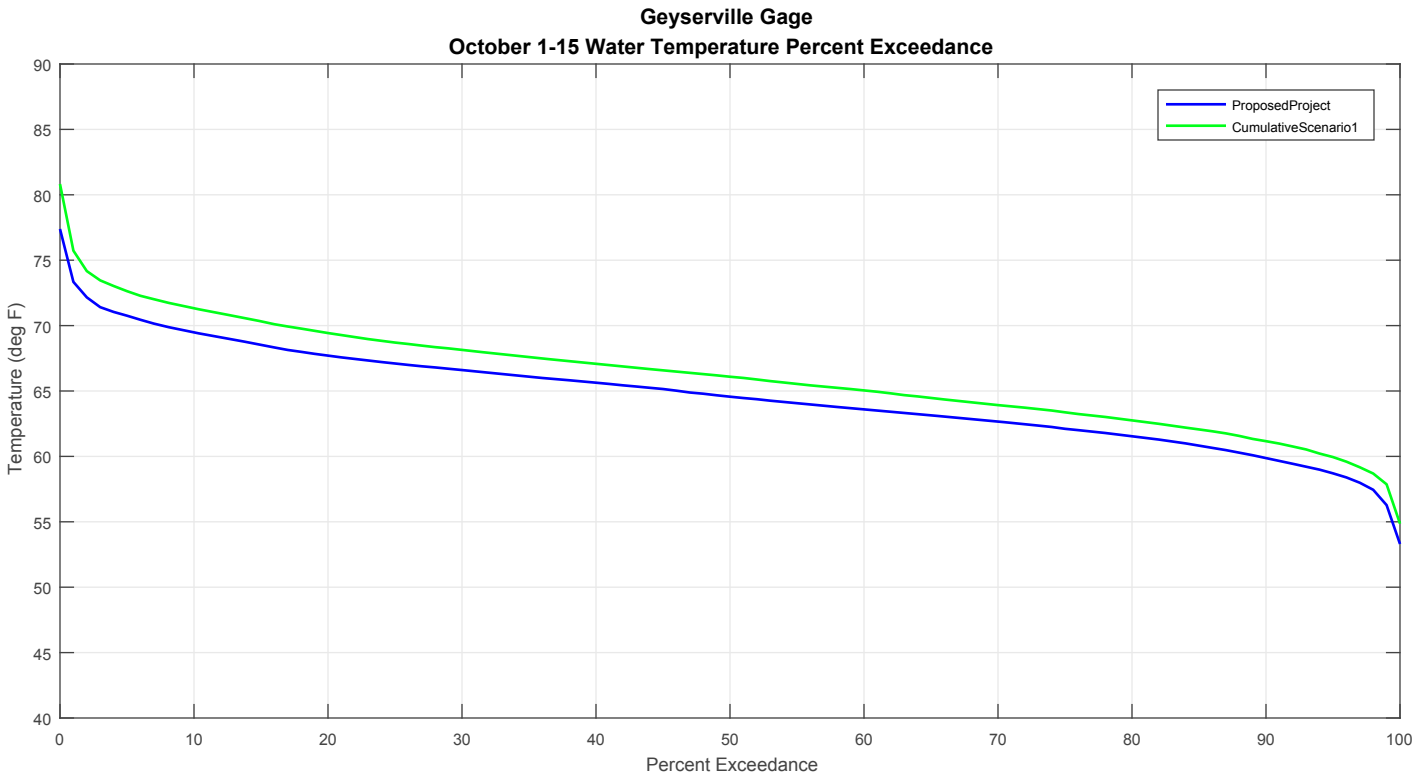
Geyserville Gage
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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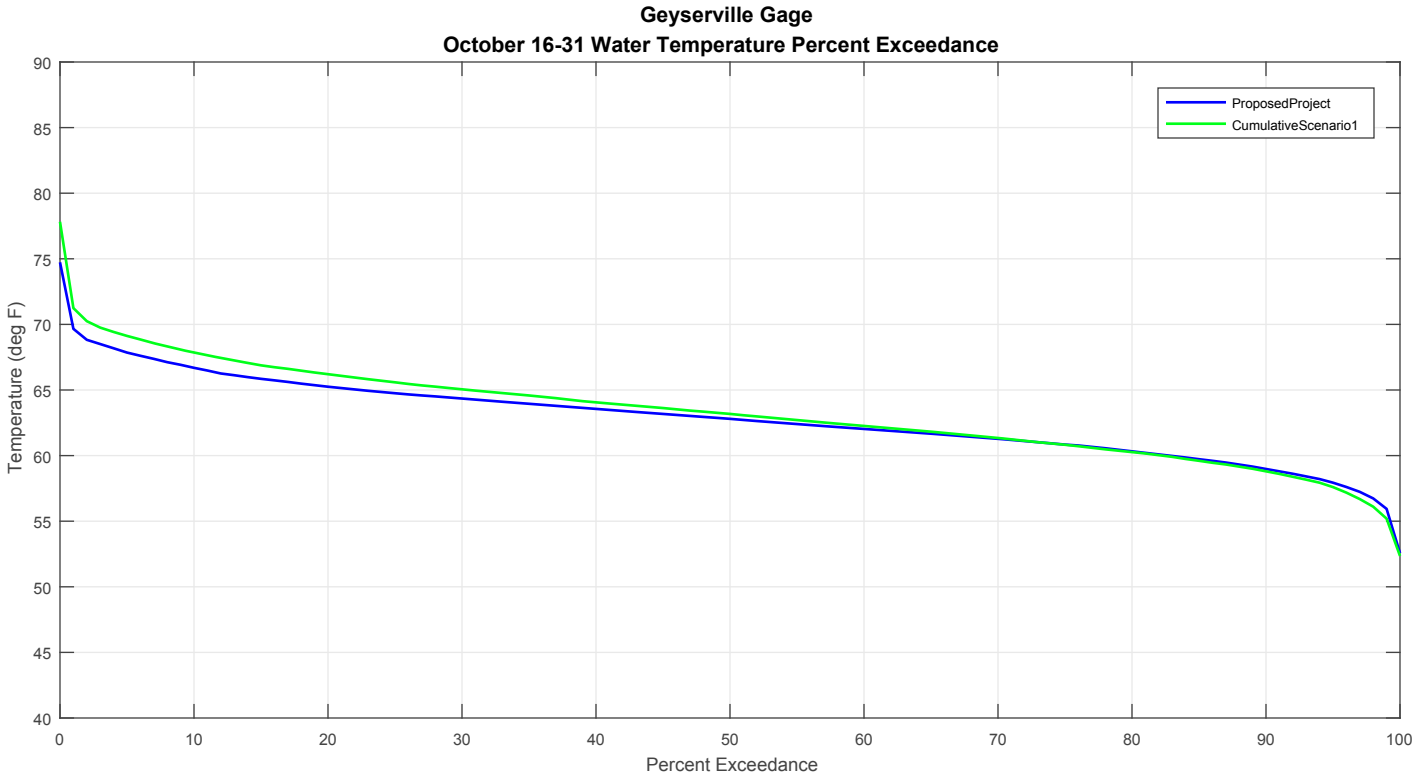
Geyserville Gage
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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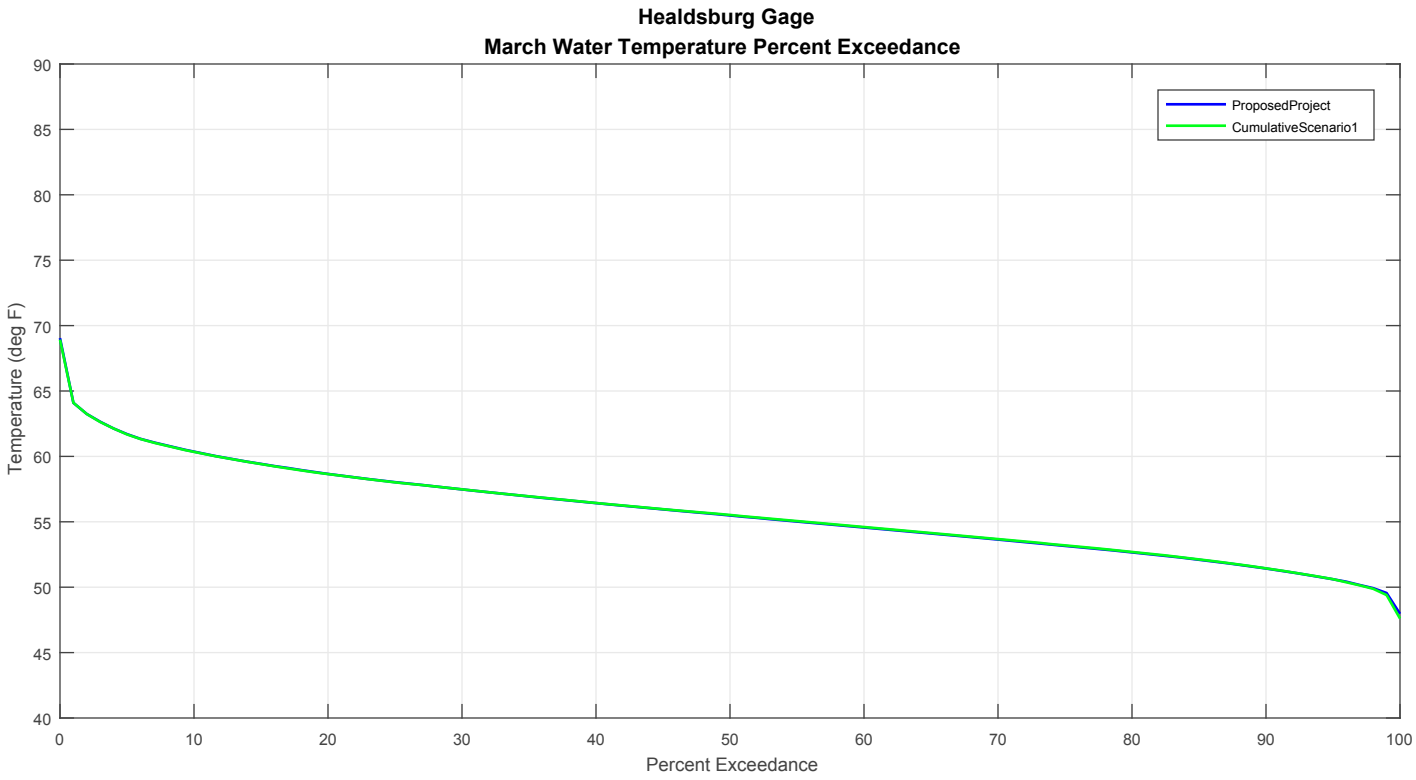
Healdsburg Gage
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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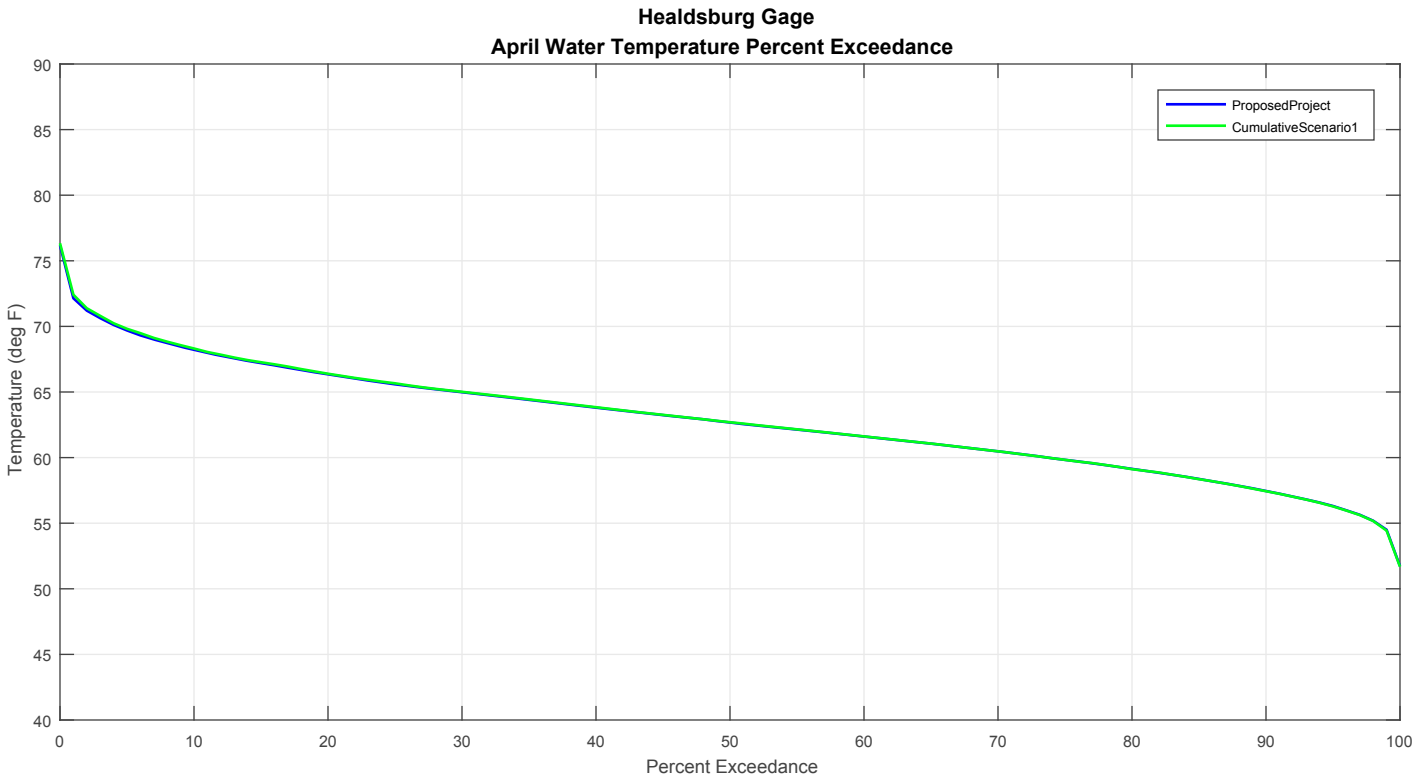
Healdsburg Gage
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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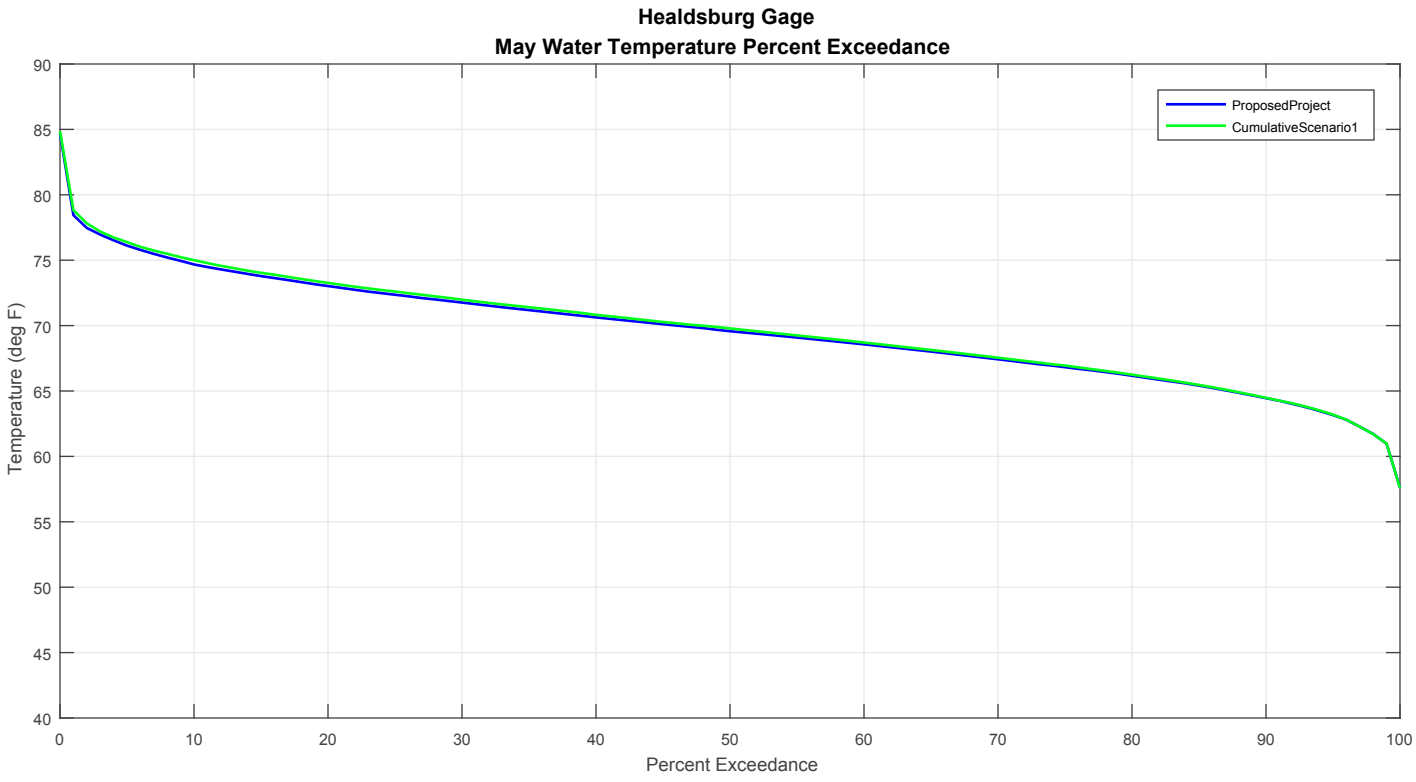
Healdsburg Gage
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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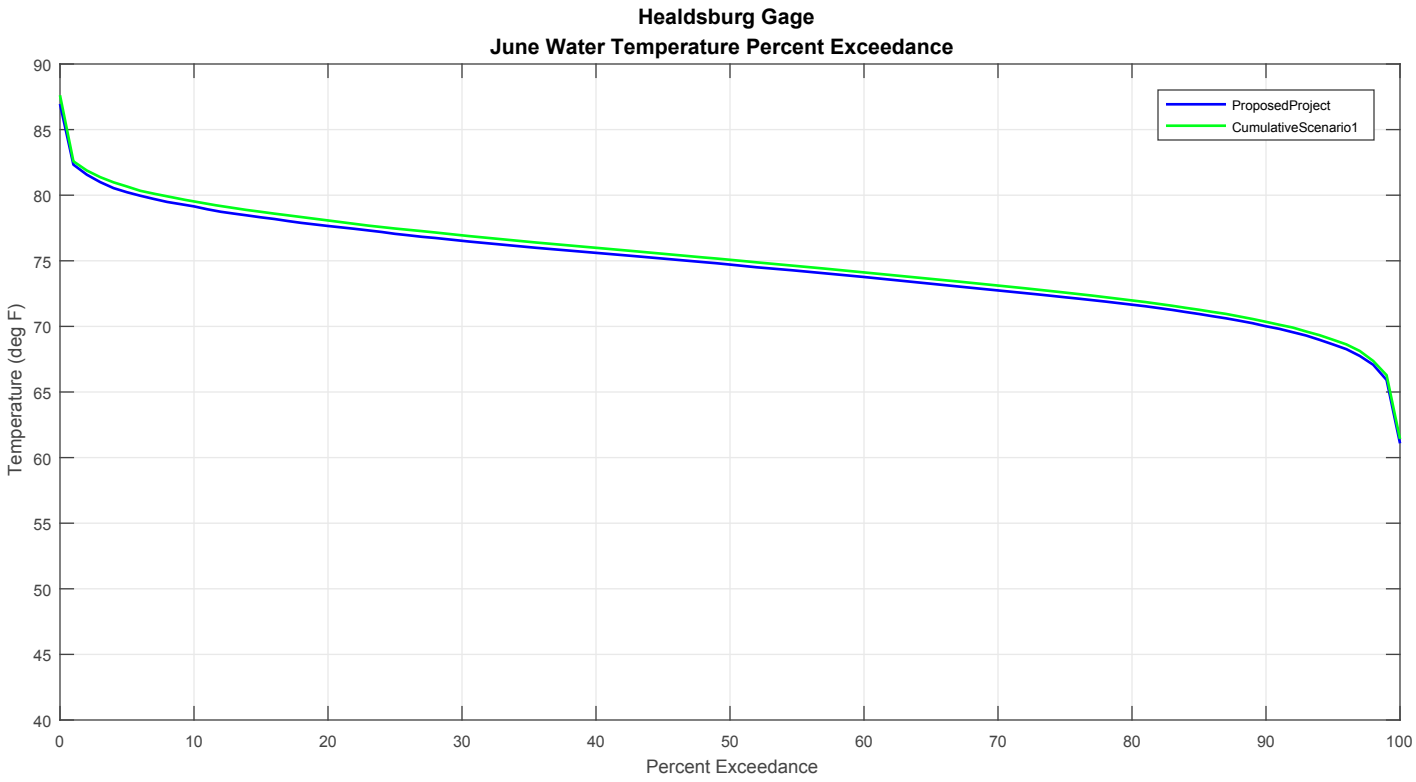
Healdsburg Gage
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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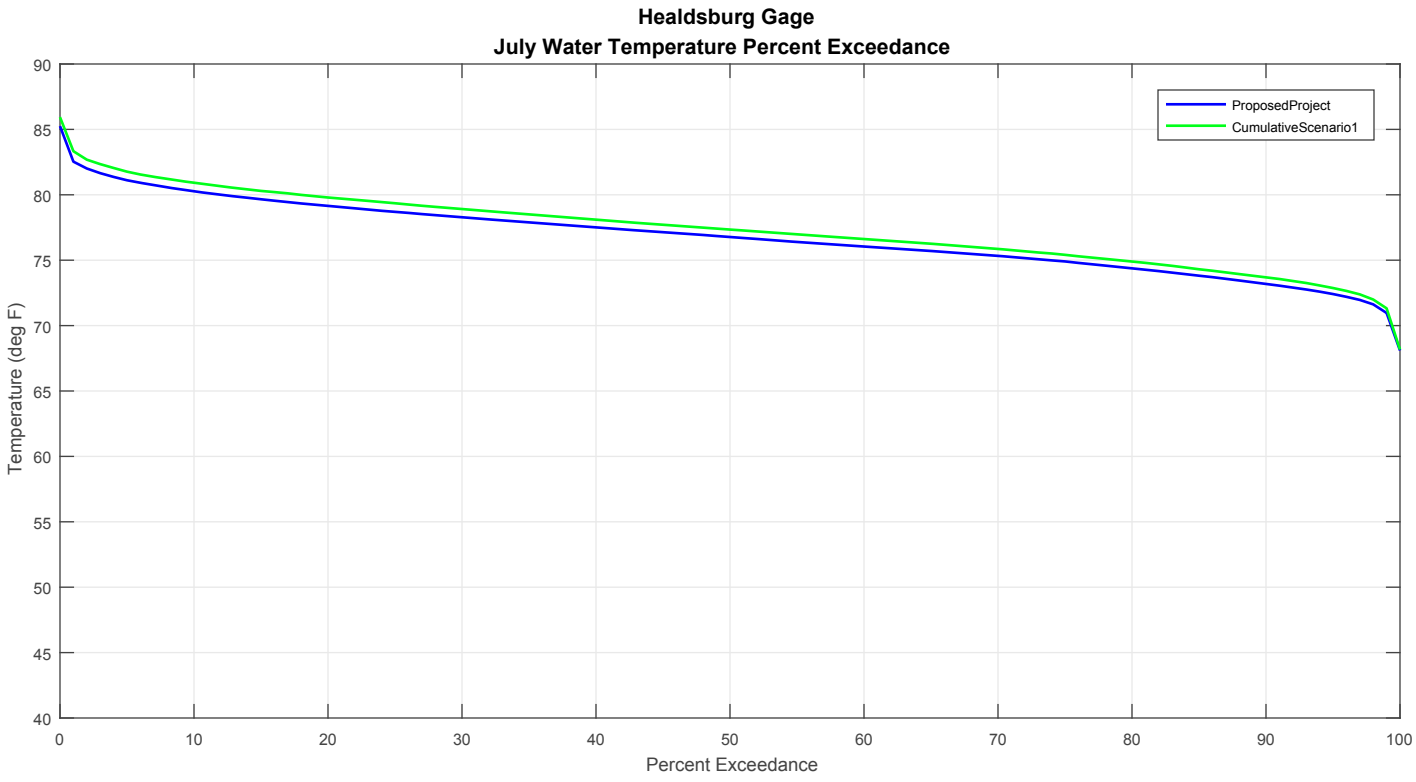
Healdsburg Gage
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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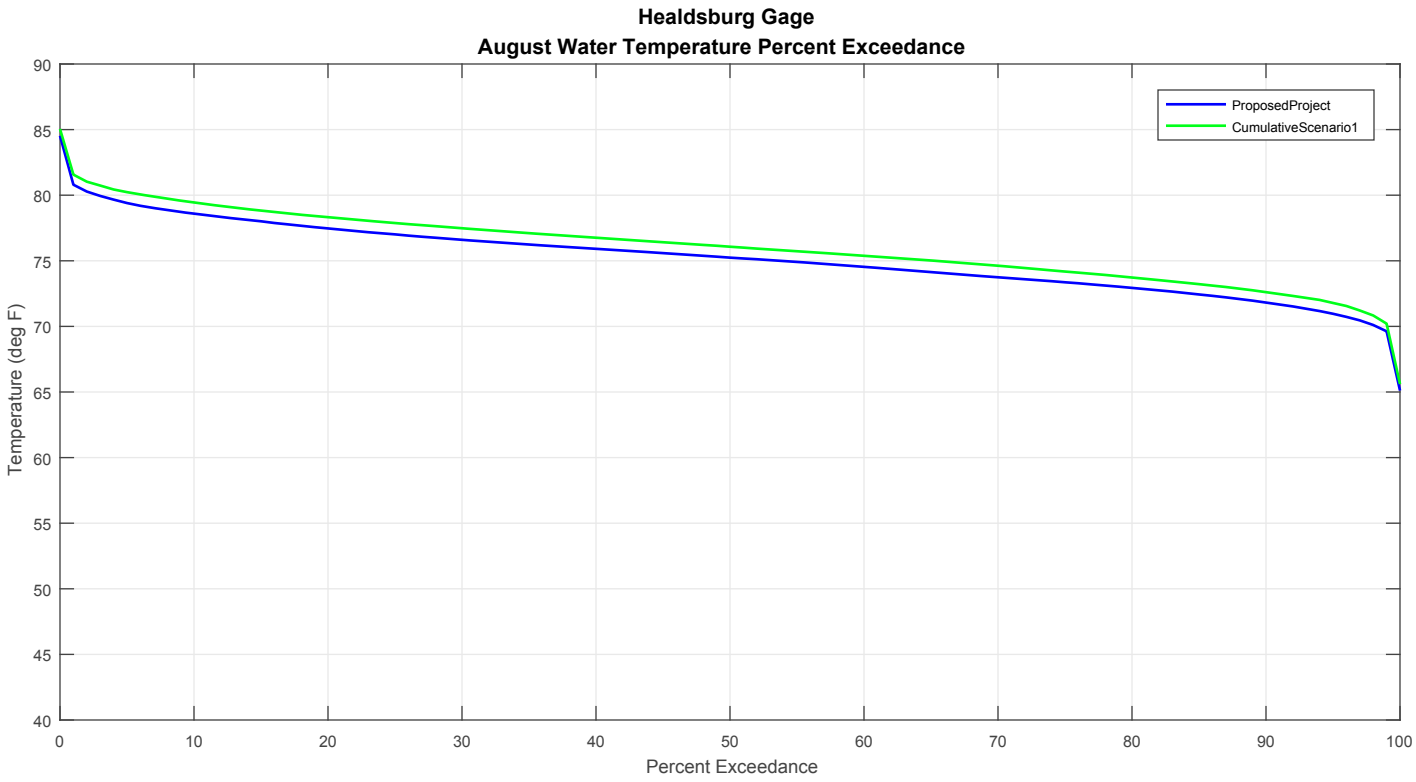
Healdsburg Gage
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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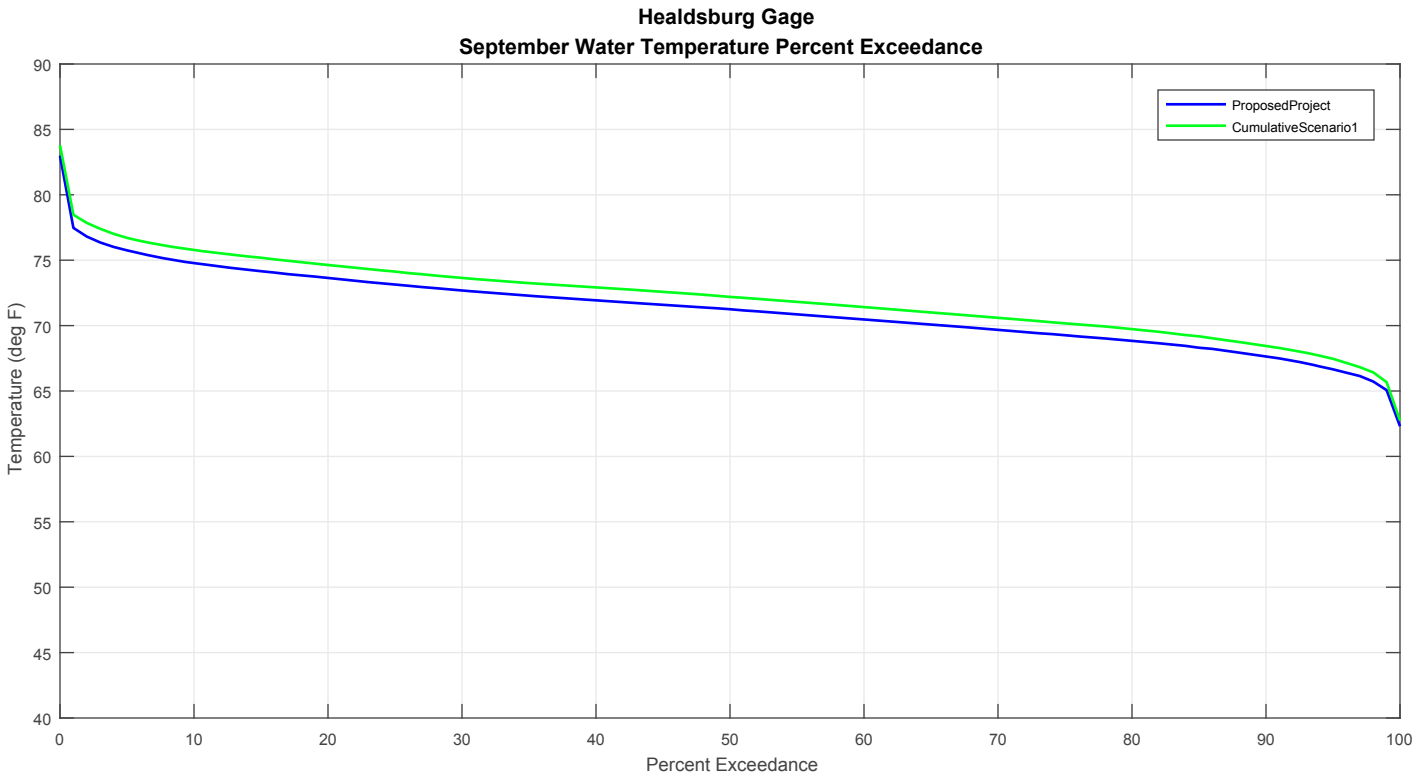
Healdsburg Gage
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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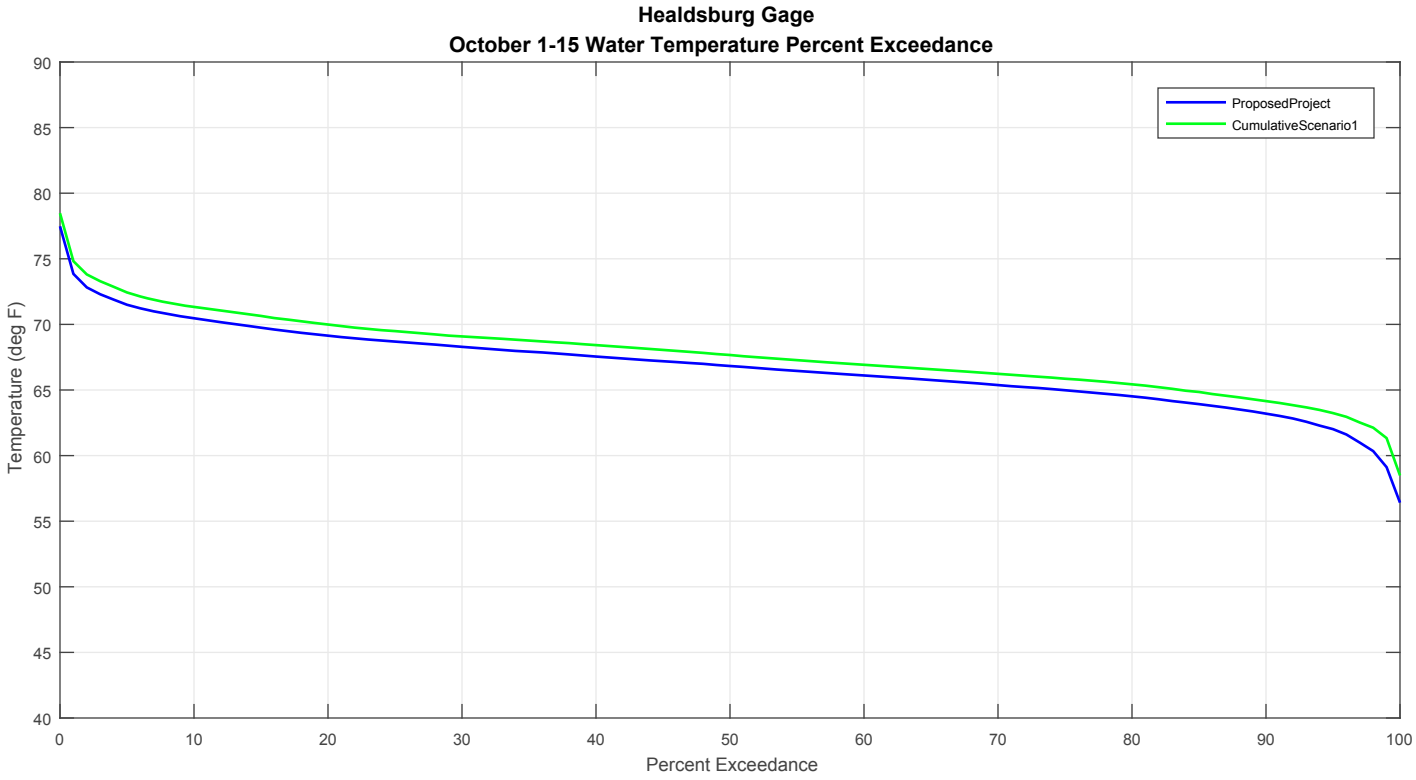
Healdsburg Gage
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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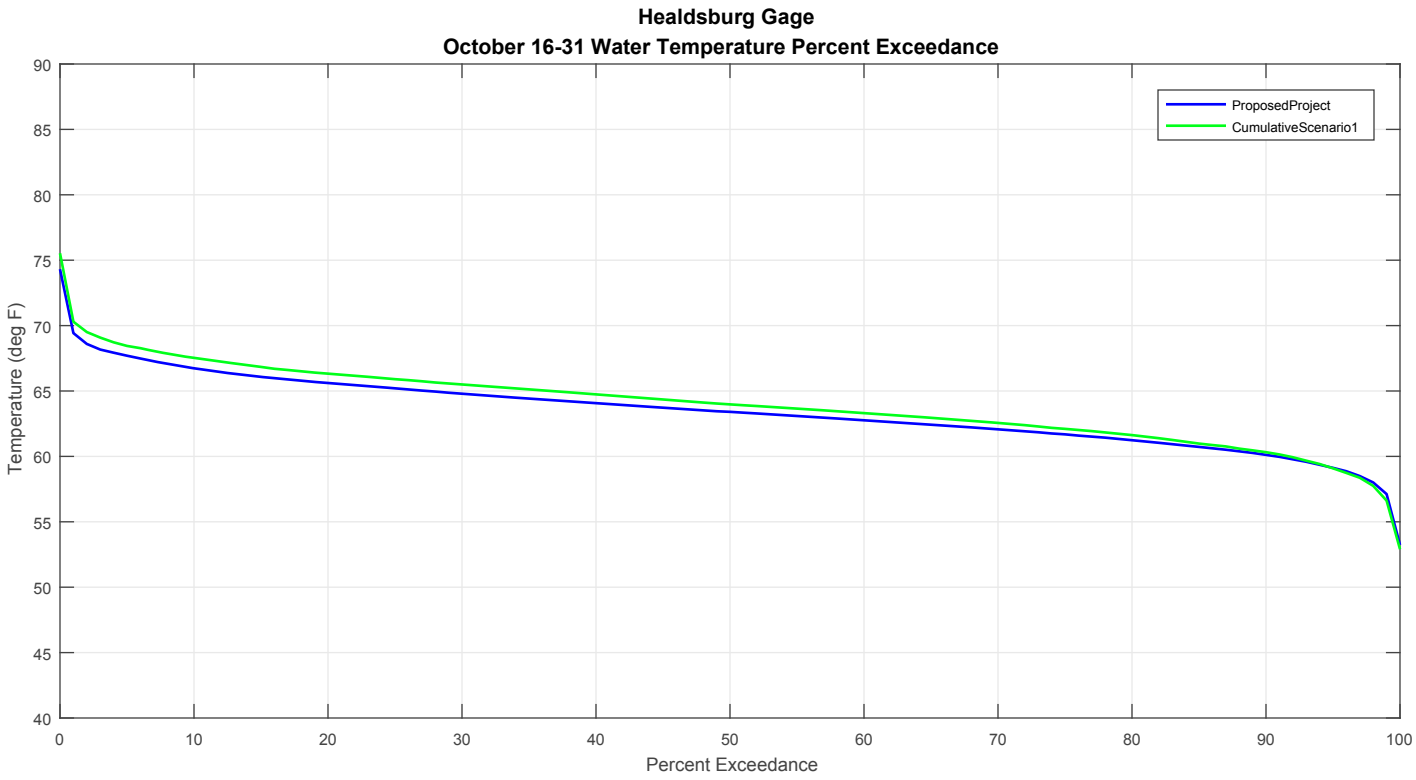
Healdsburg Gage
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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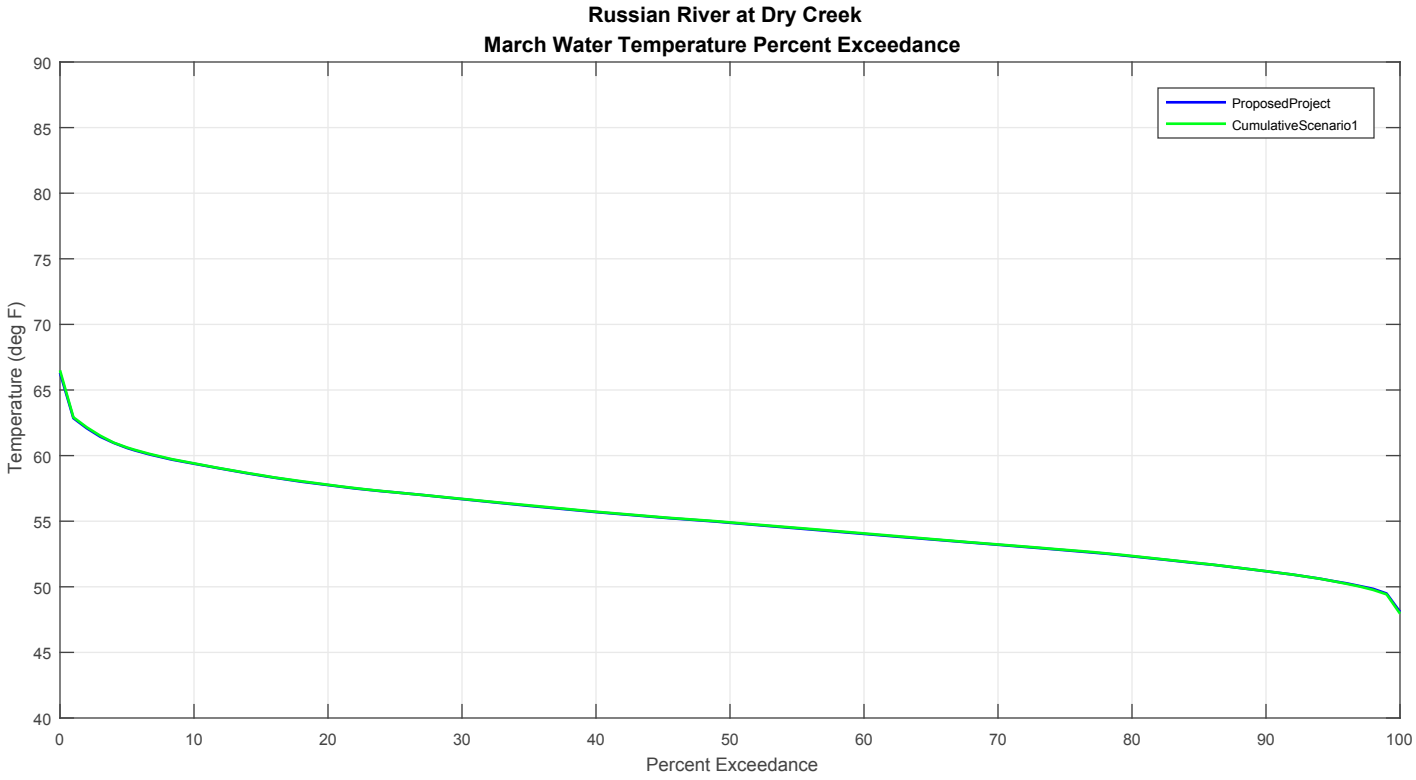
Russian River at Dry Creek
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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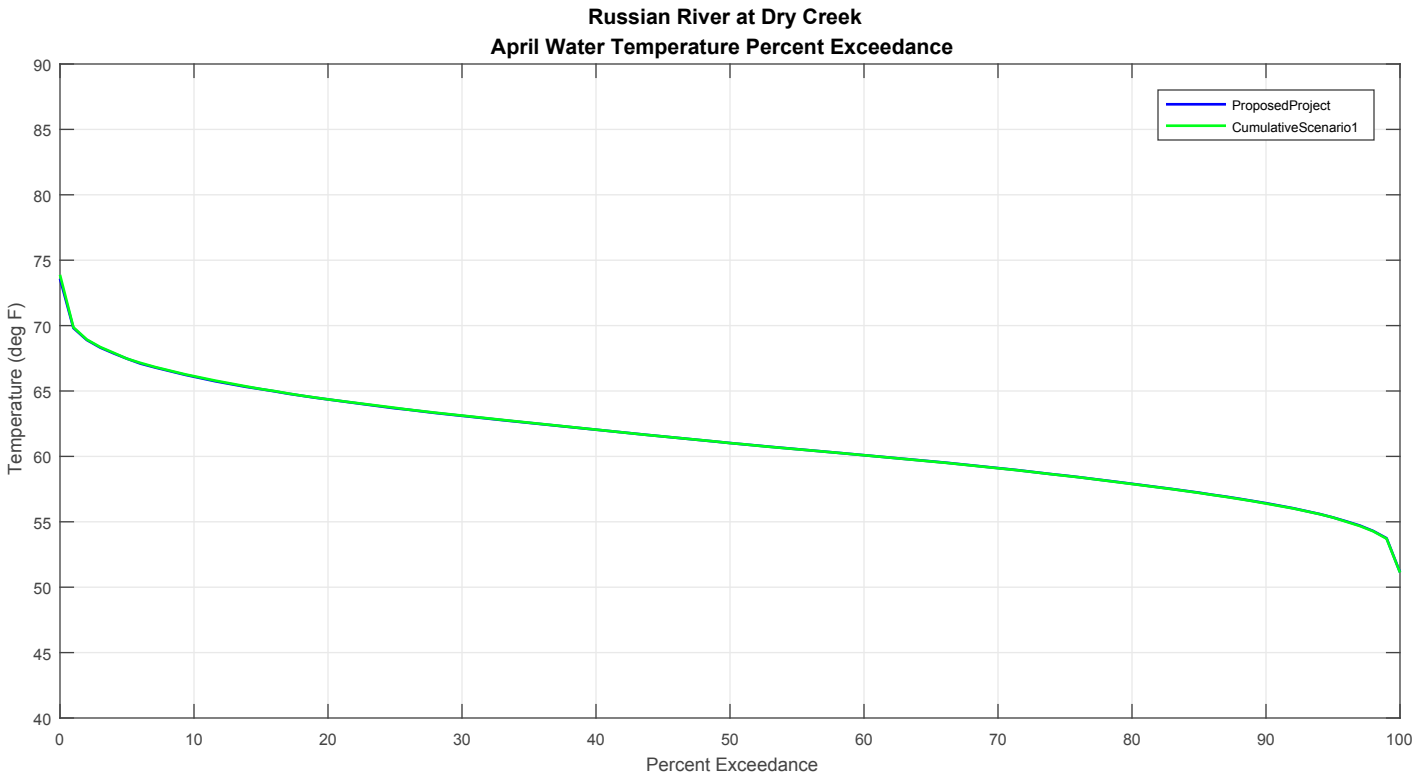
Russian River at Dry Creek
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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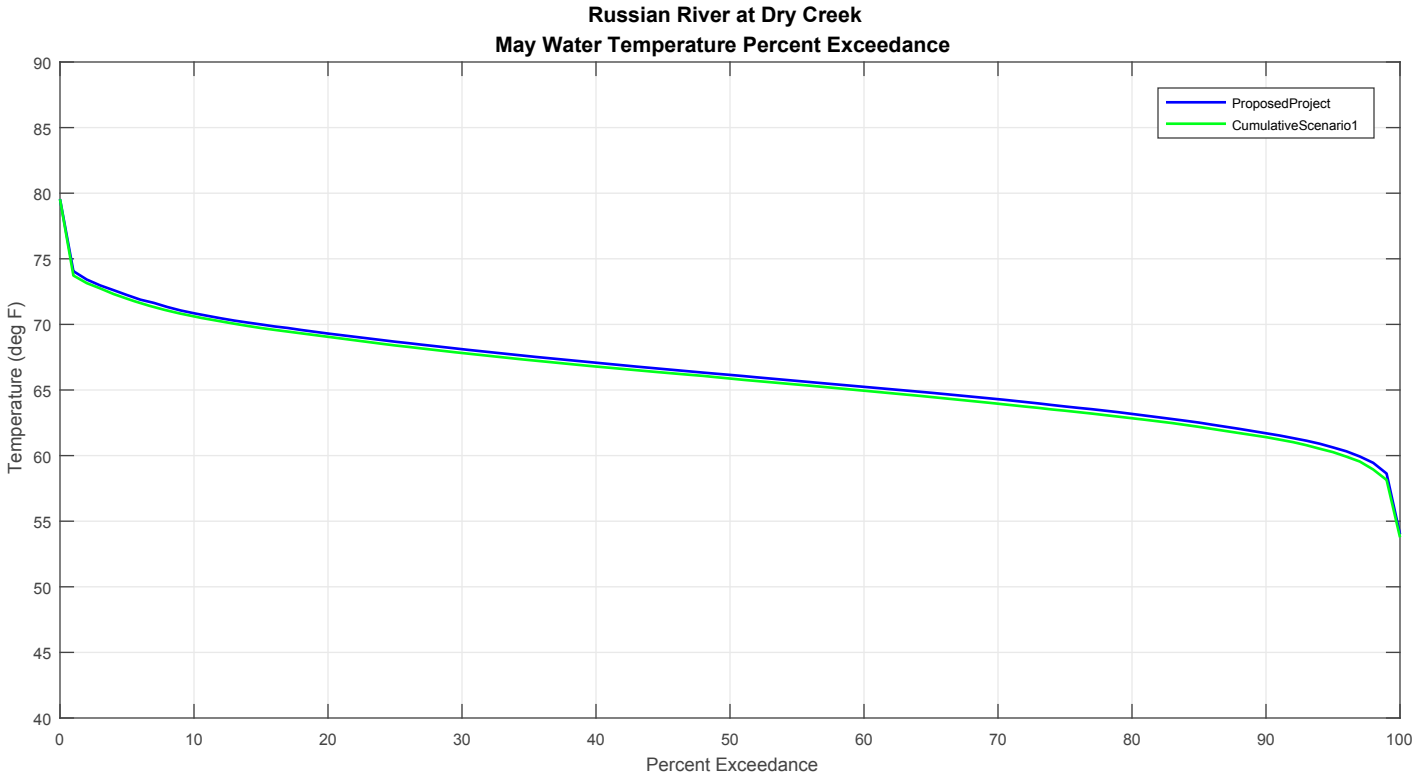
Russian River at Dry Creek
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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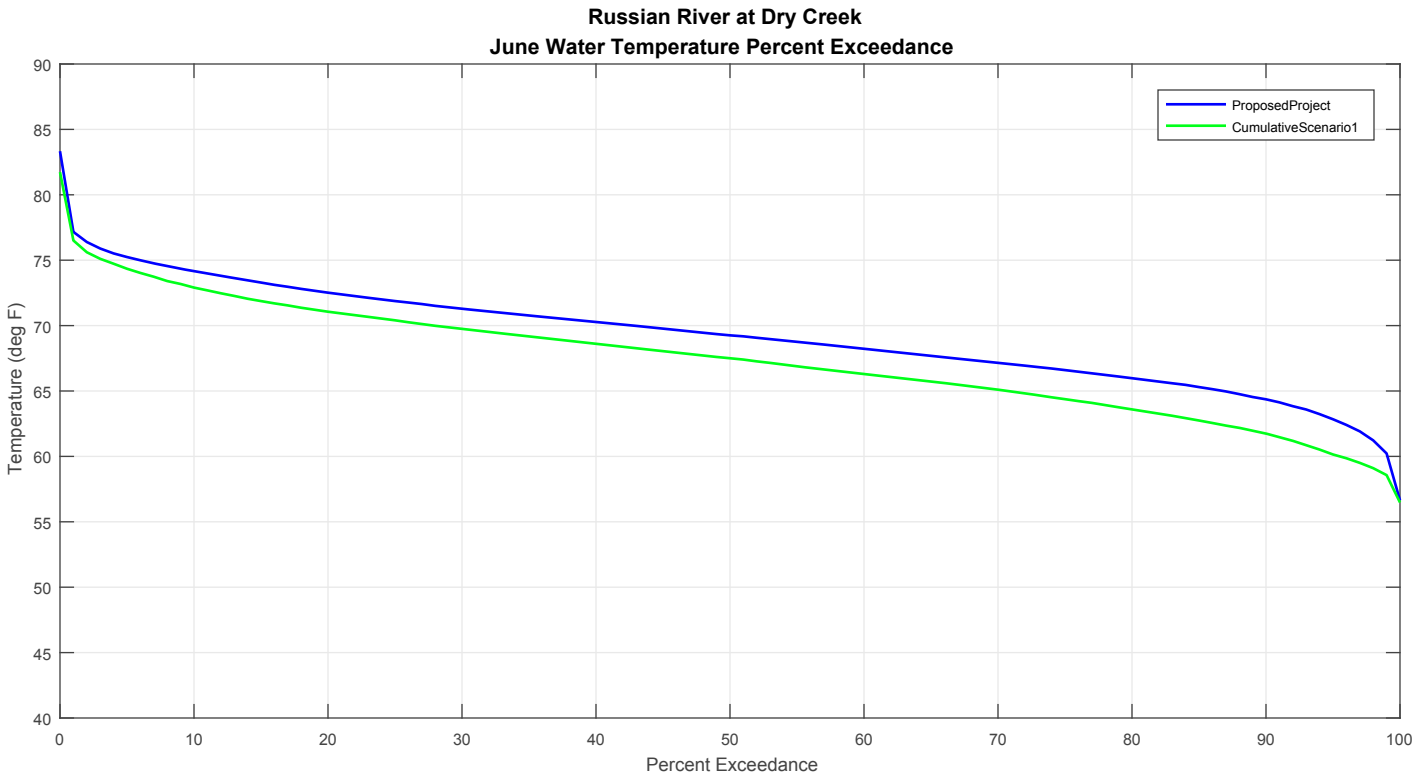
Russian River at Dry Creek
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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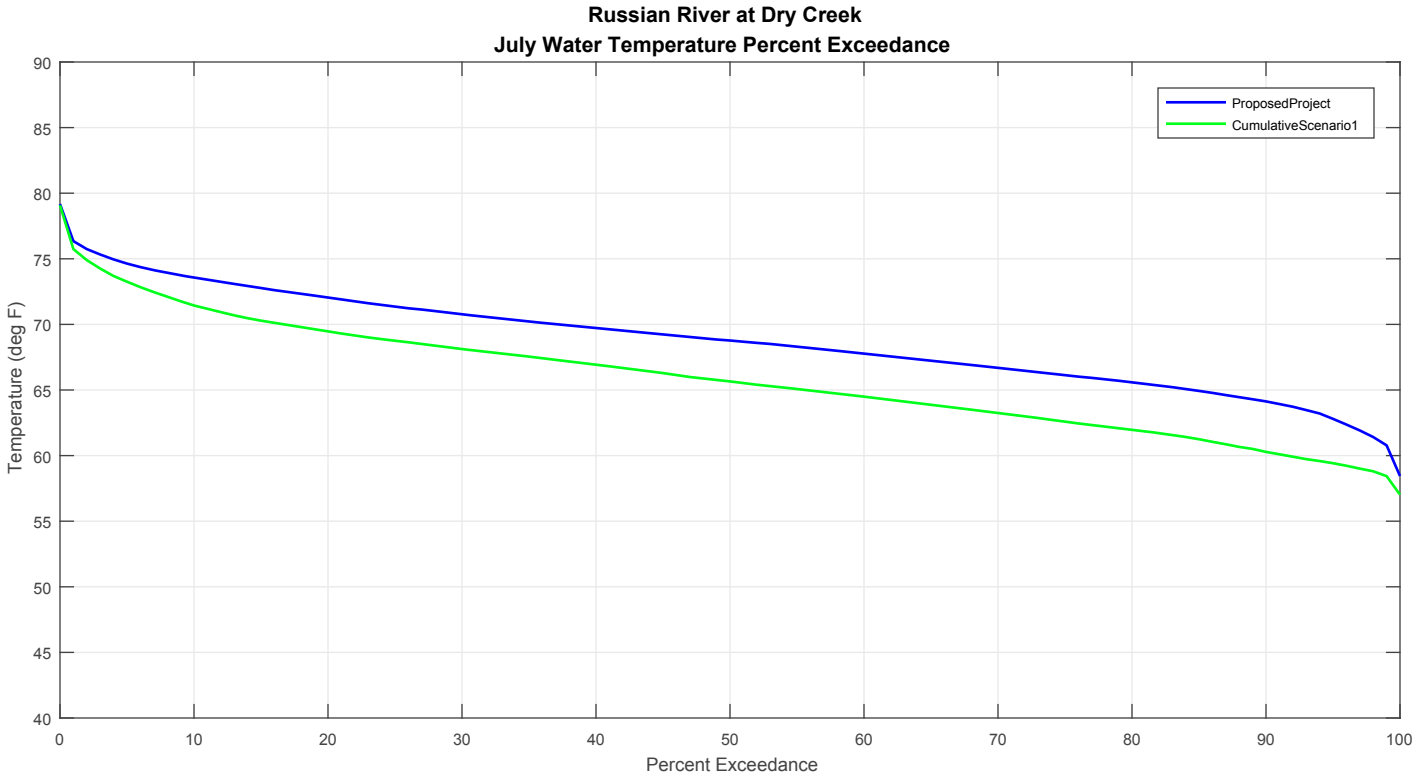
Russian River at Dry Creek
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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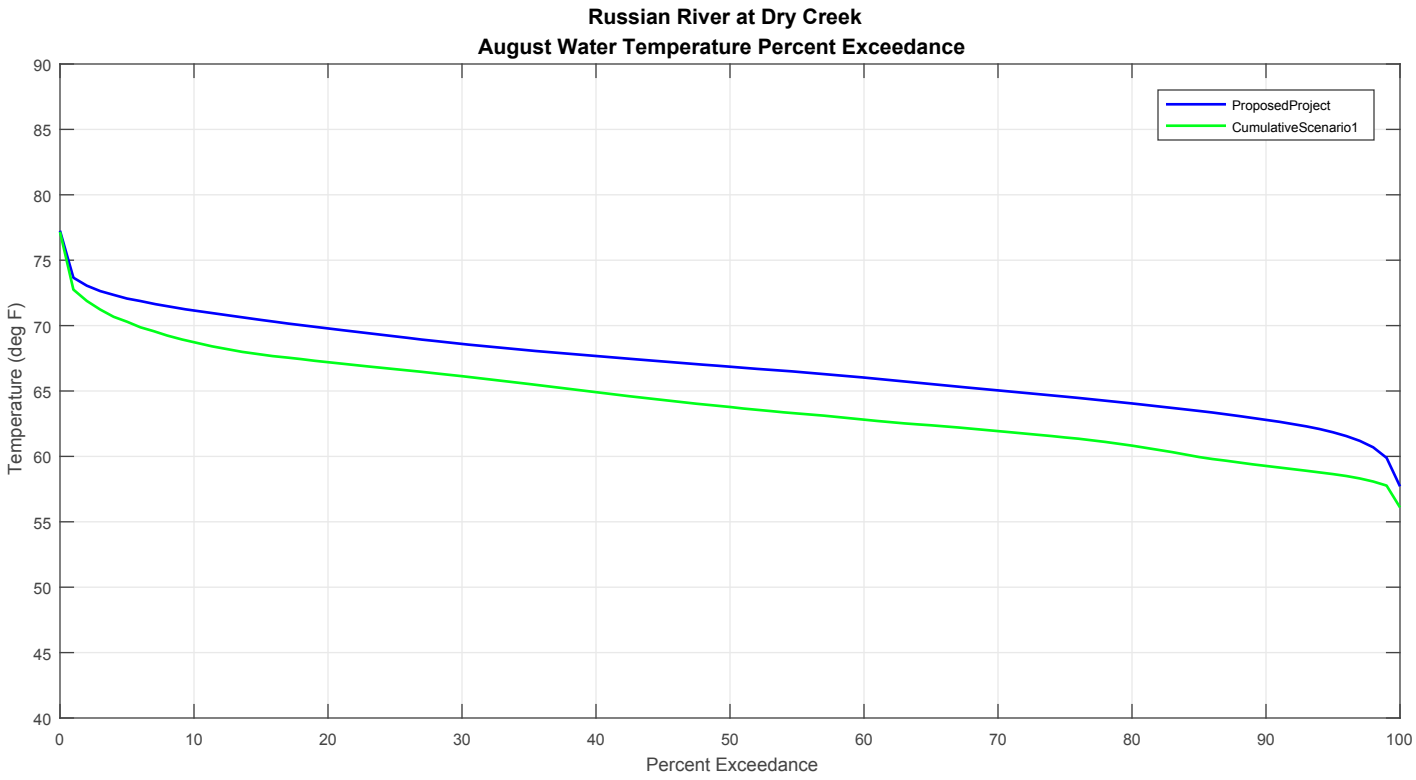
Russian River at Dry Creek
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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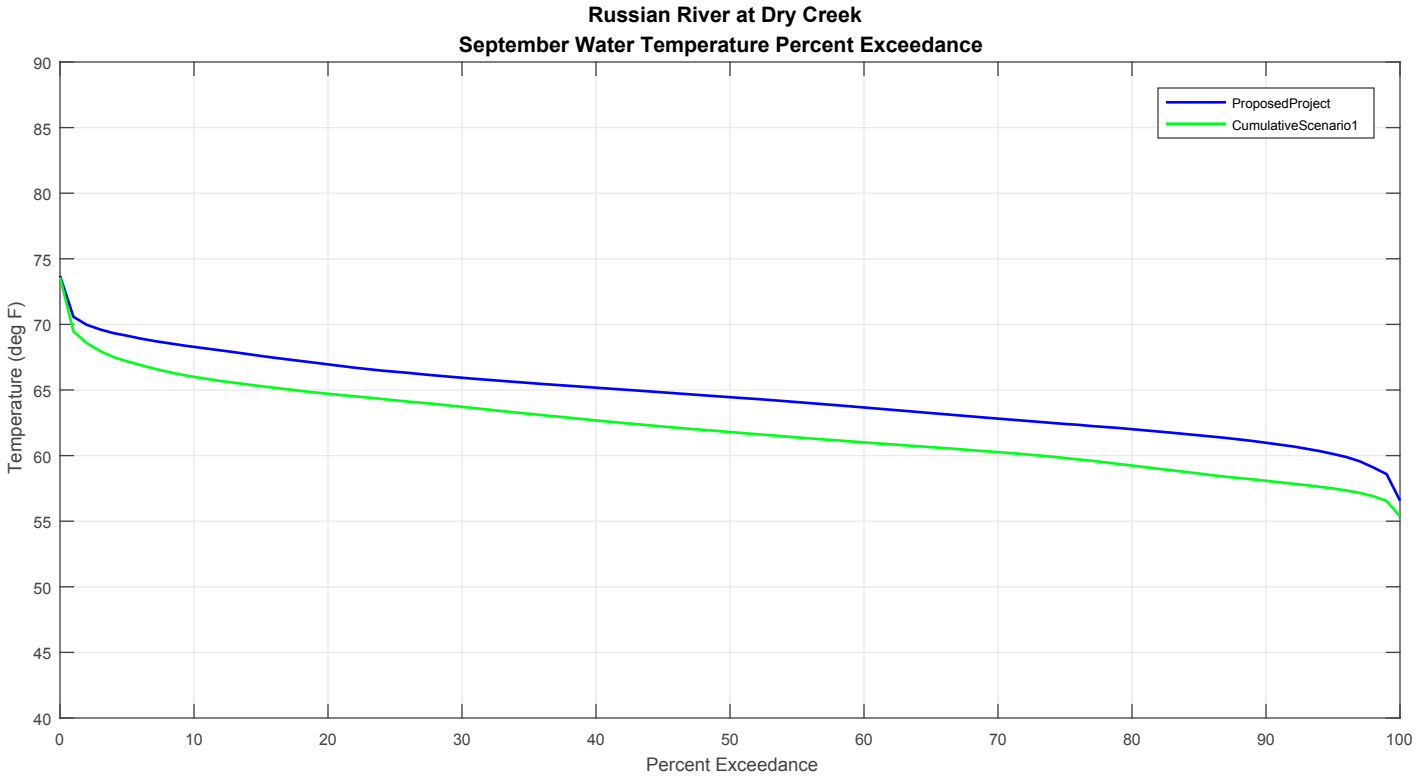
Russian River at Dry Creek
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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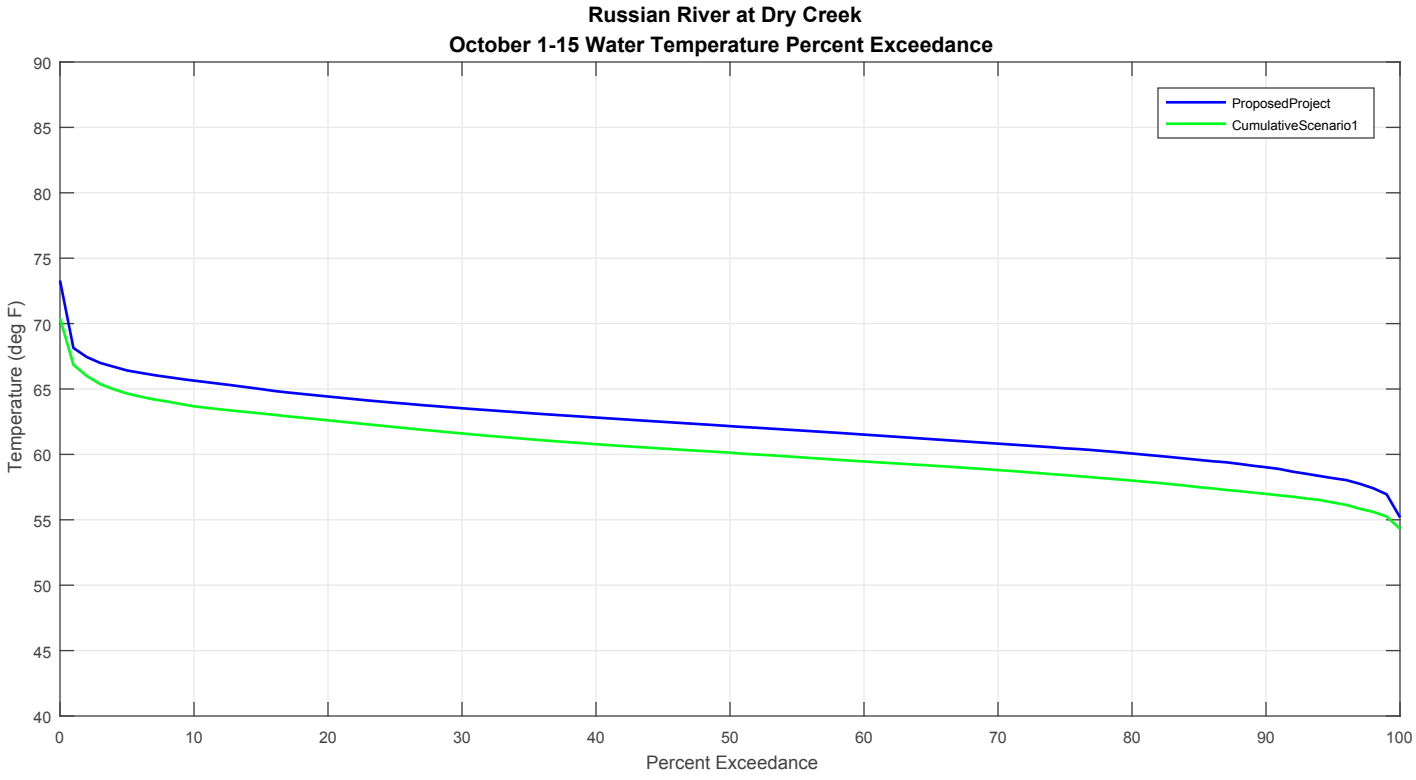
Russian River at Dry Creek
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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Russian River at Dry Creek
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
90
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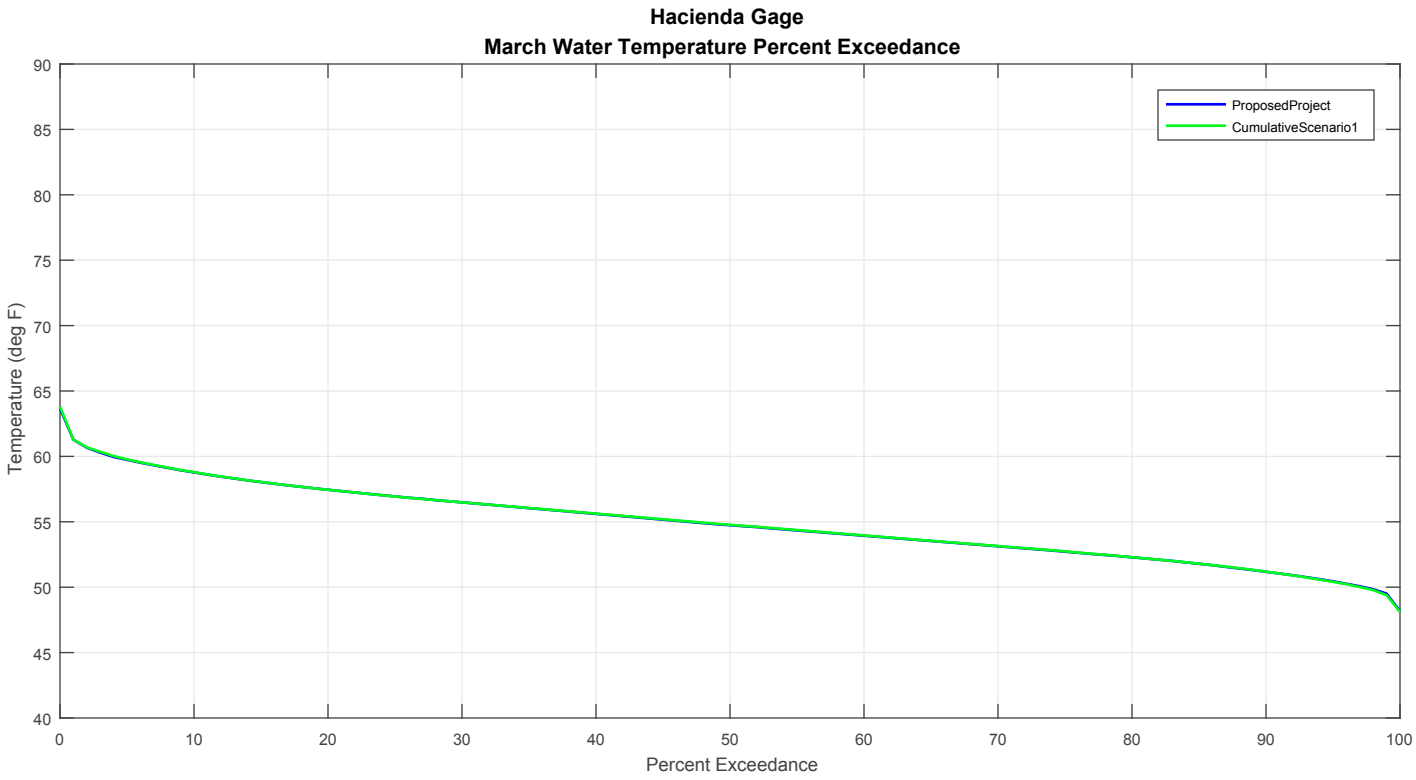
Hacienda Gage
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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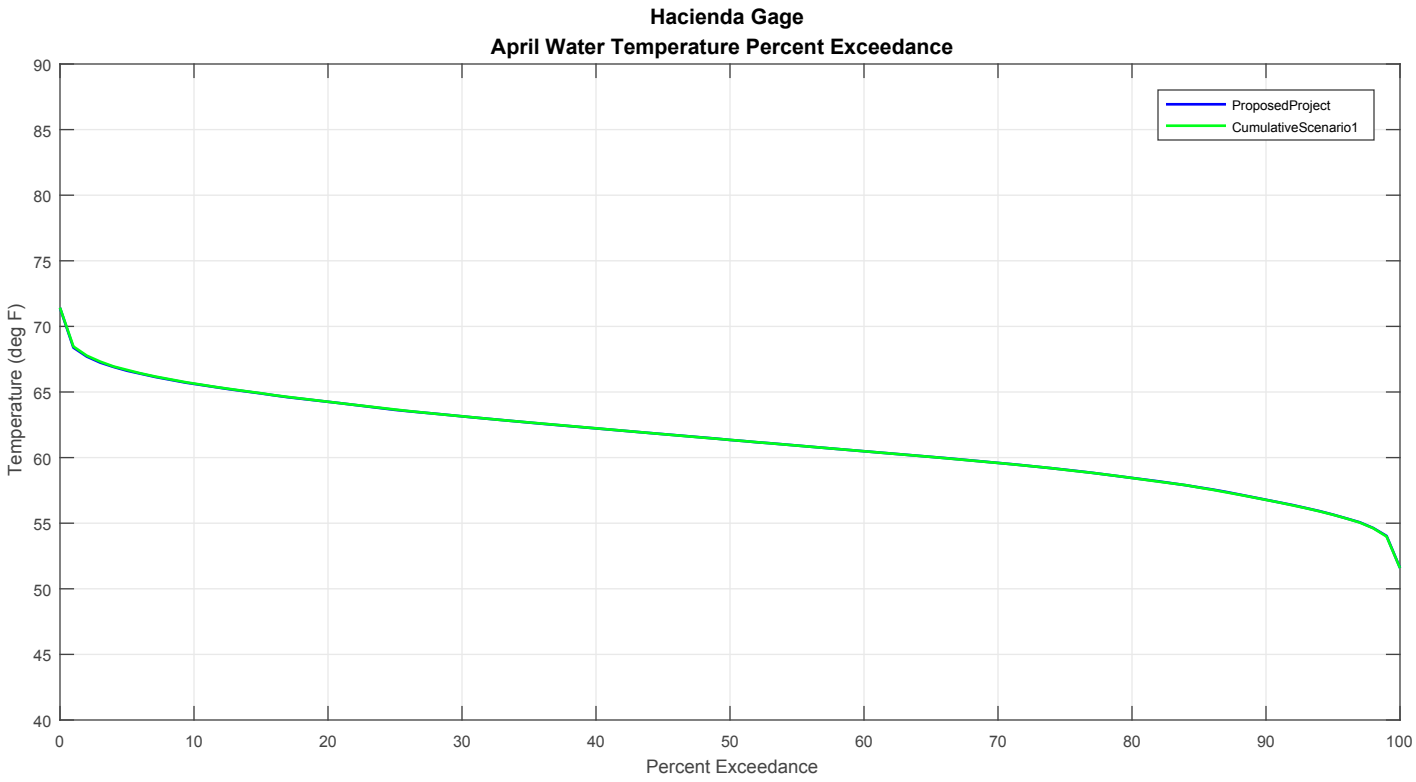
Hacienda Gage
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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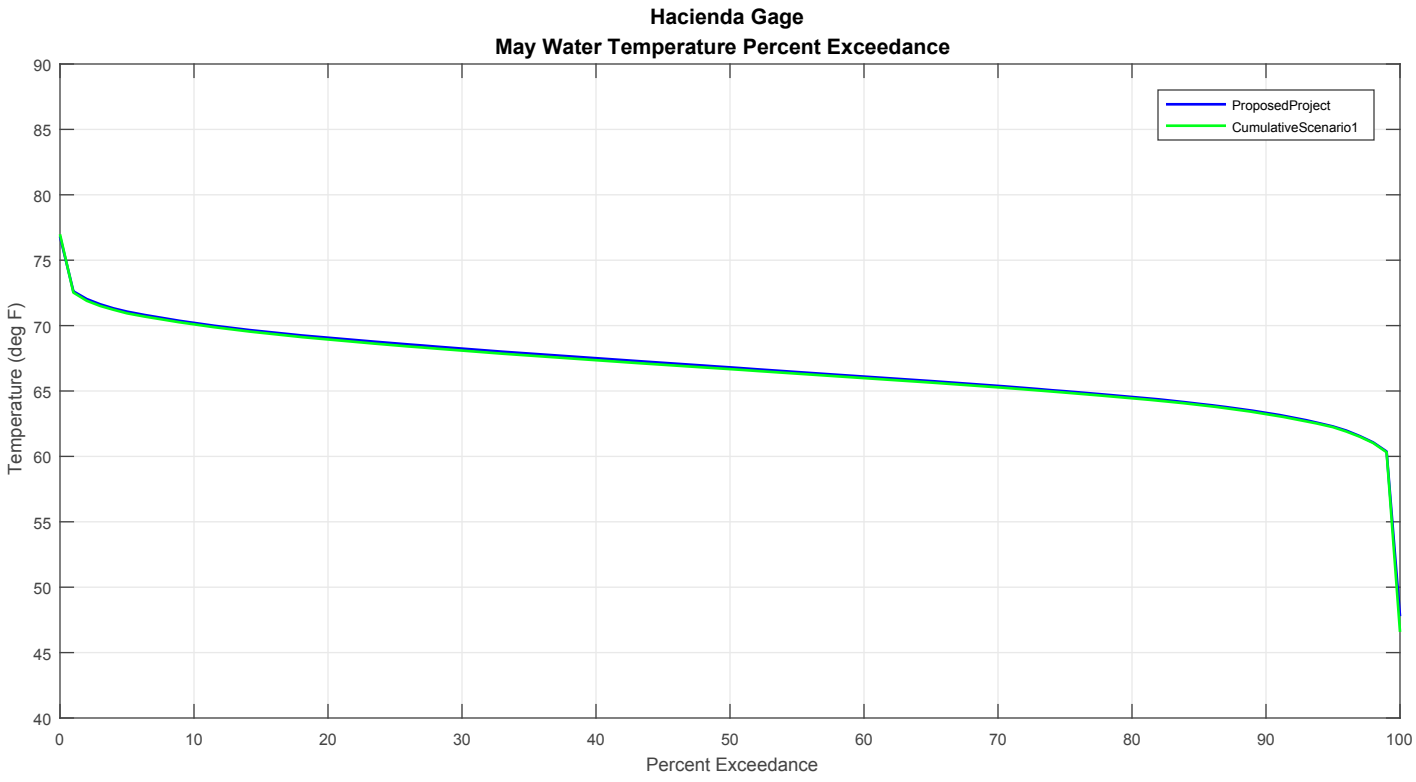
Hacienda Gage
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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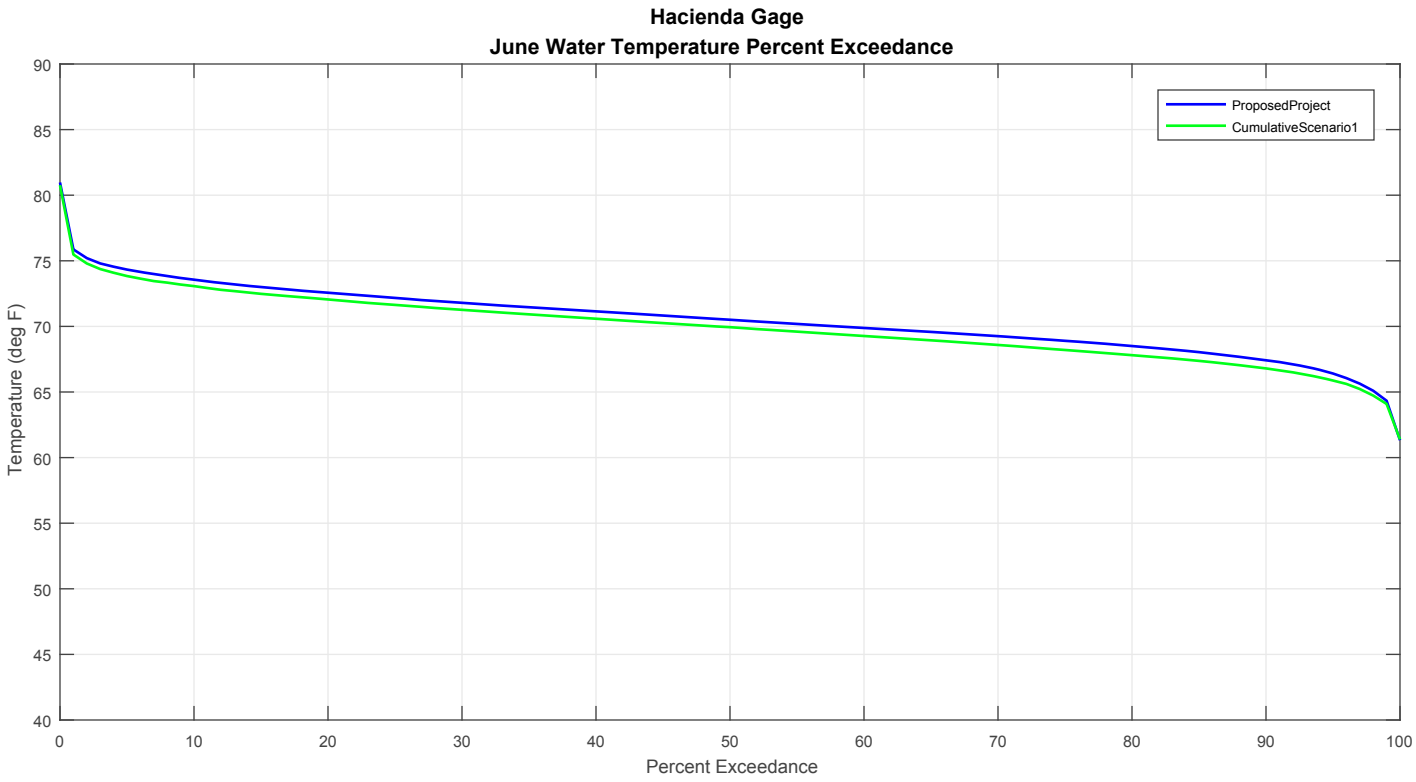
Hacienda Gage
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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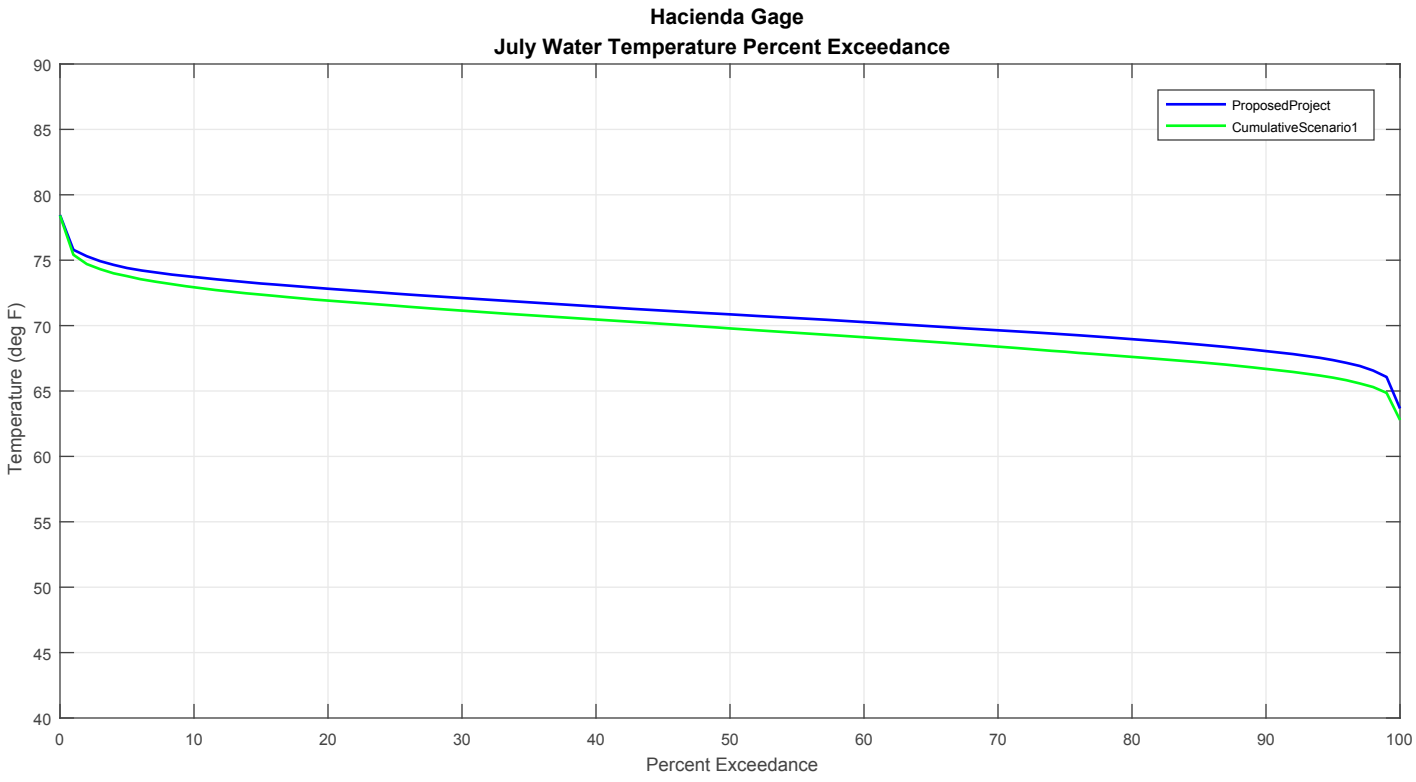
Hacienda Gage
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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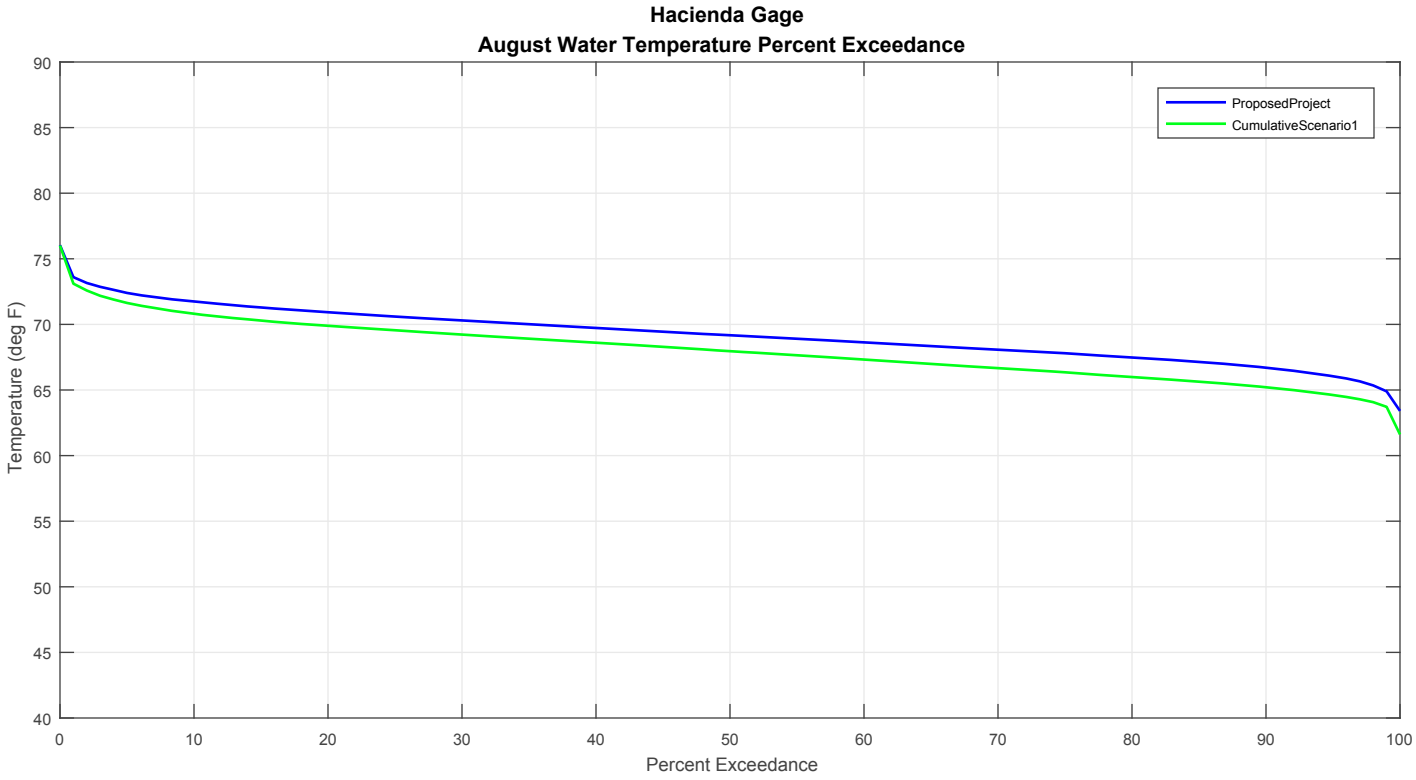
Hacienda Gage
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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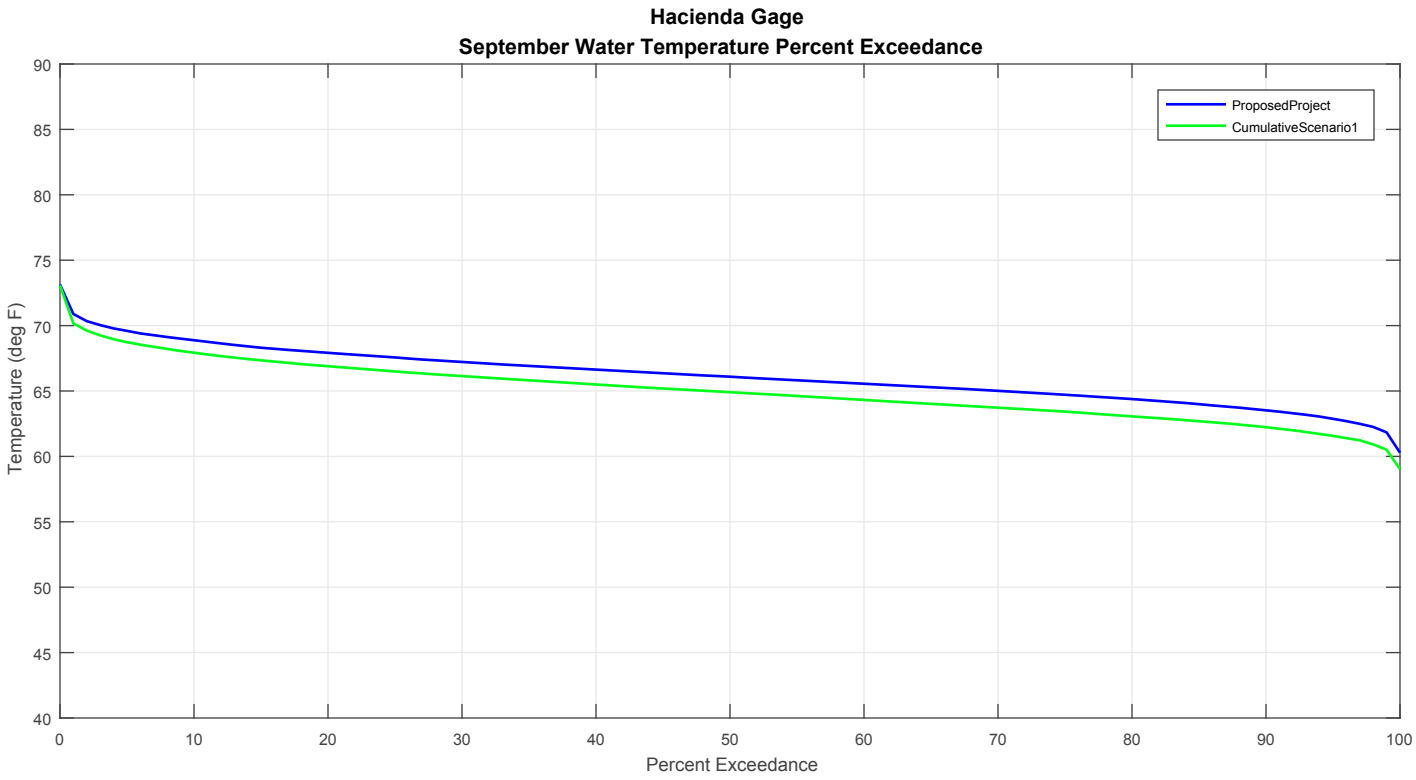
Hacienda Gage
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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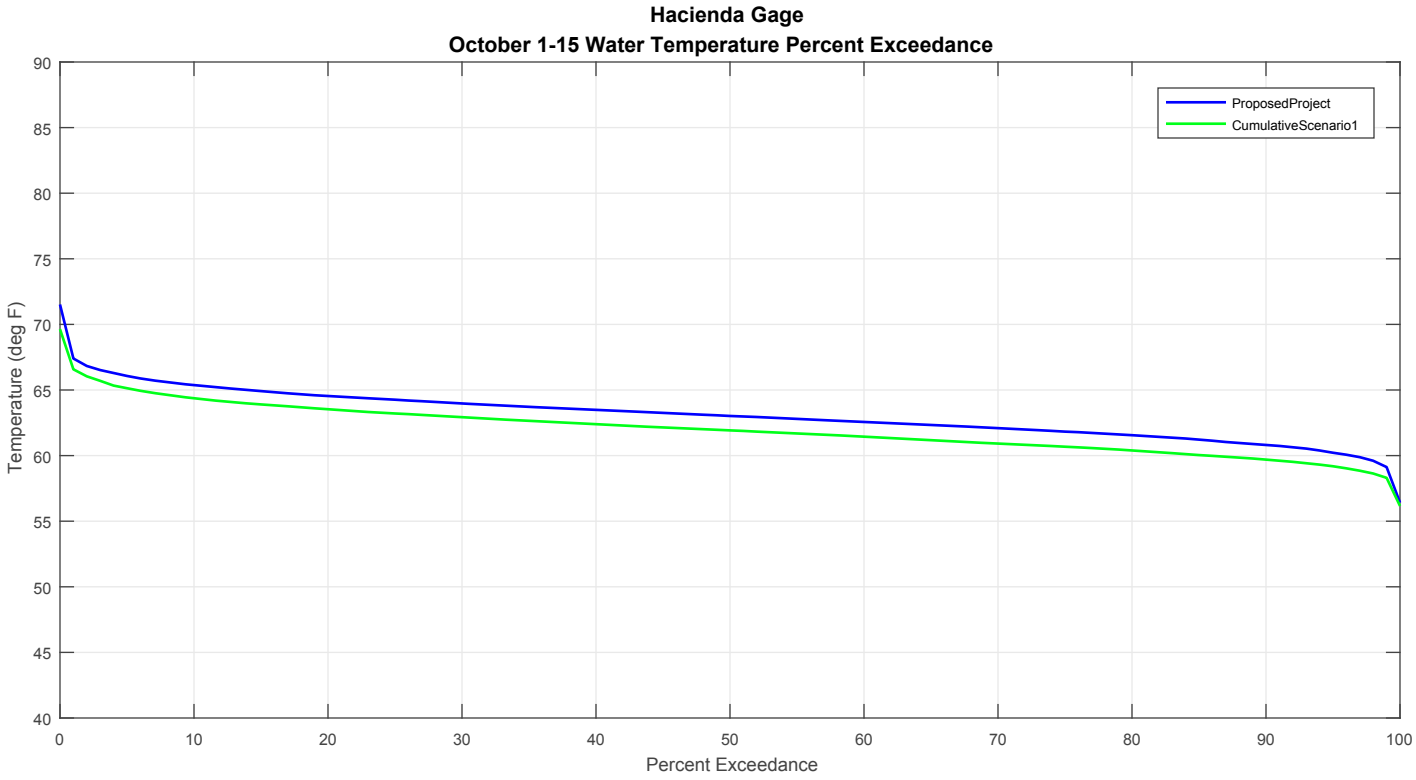
Hacienda Gage
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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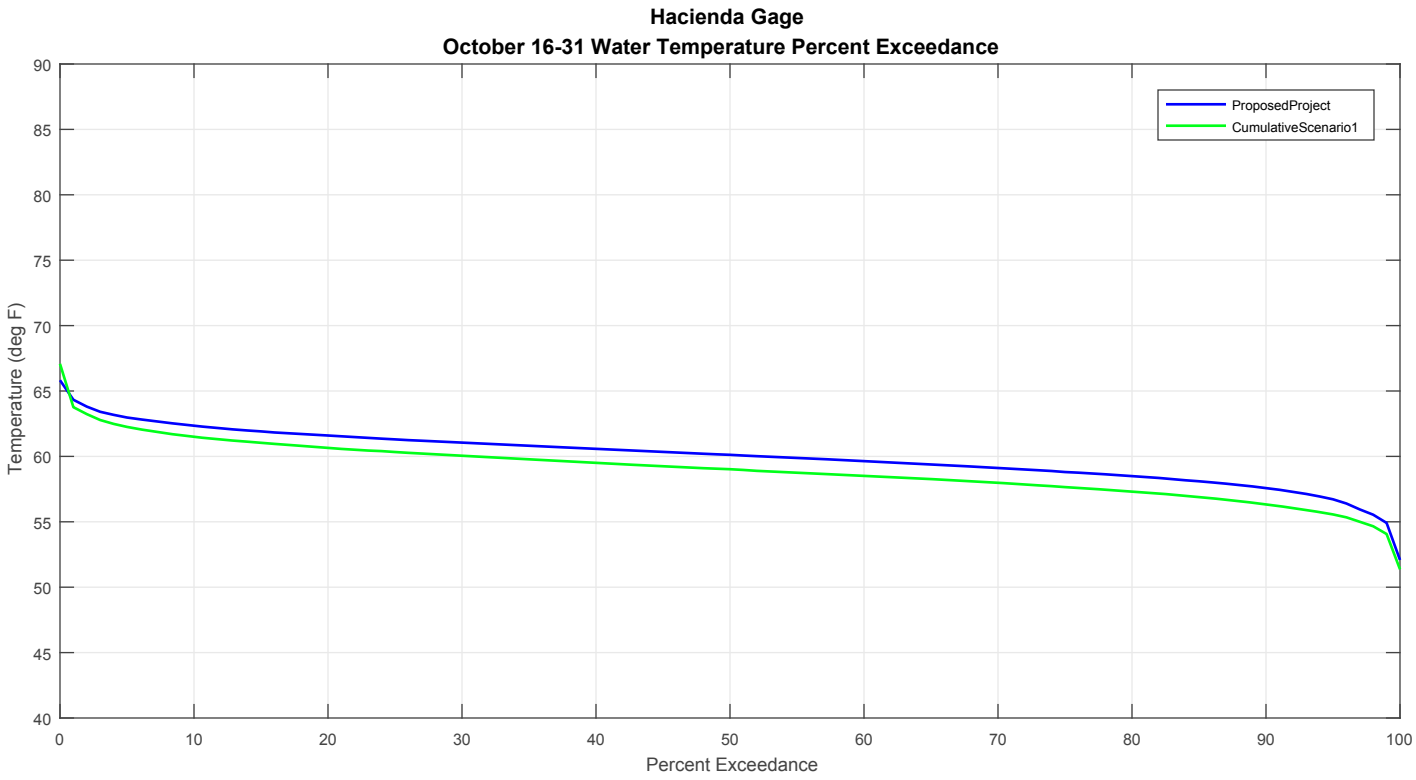
Hacienda Gage
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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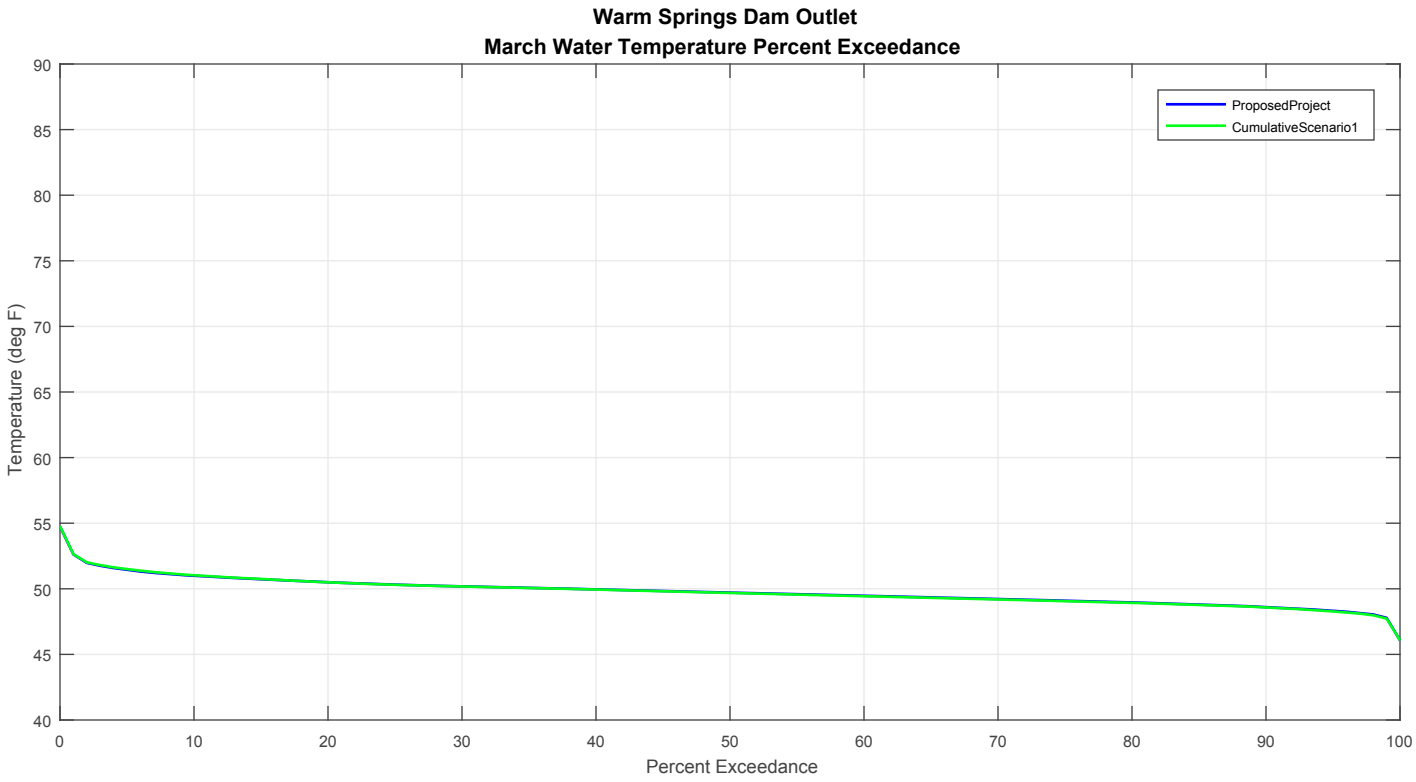
Warm Springs Dam Outlet
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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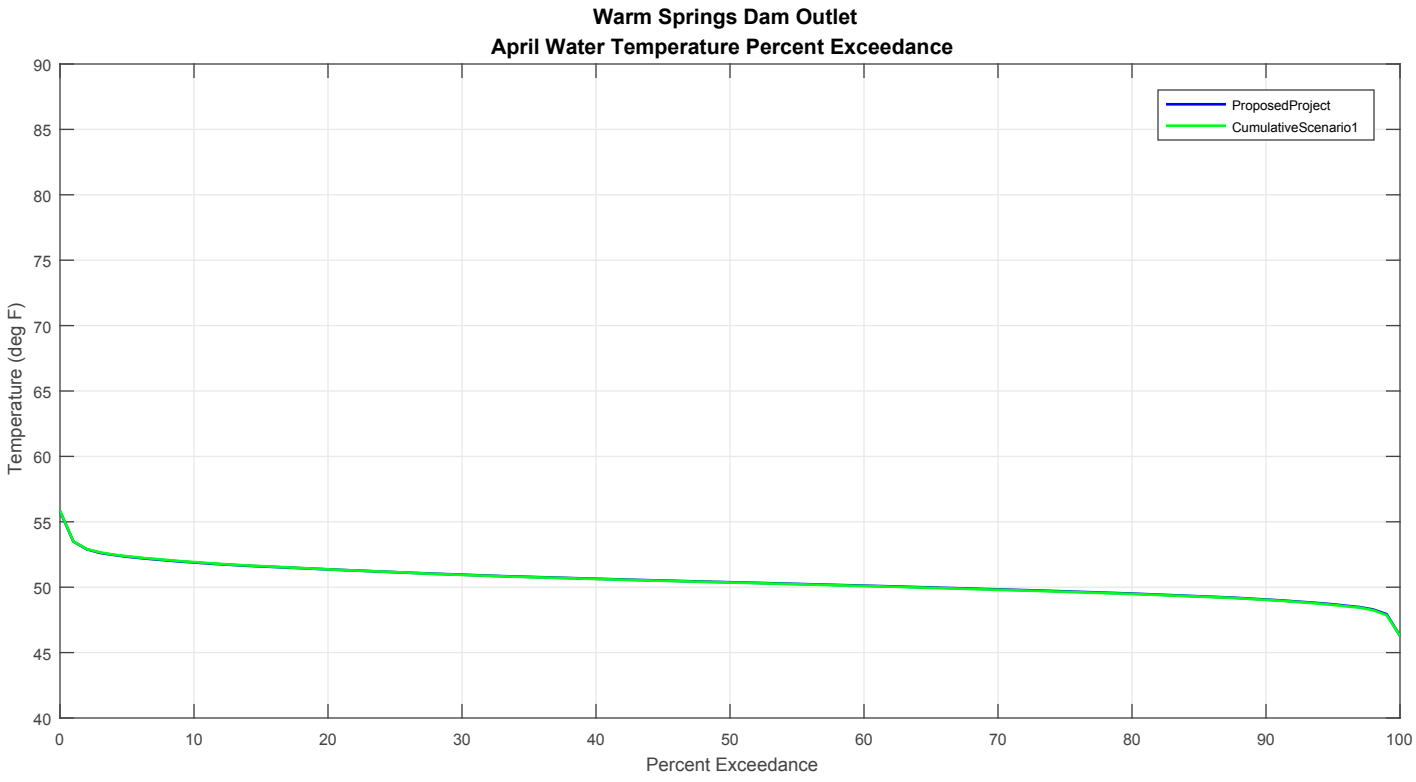
Warm Springs Dam Outlet
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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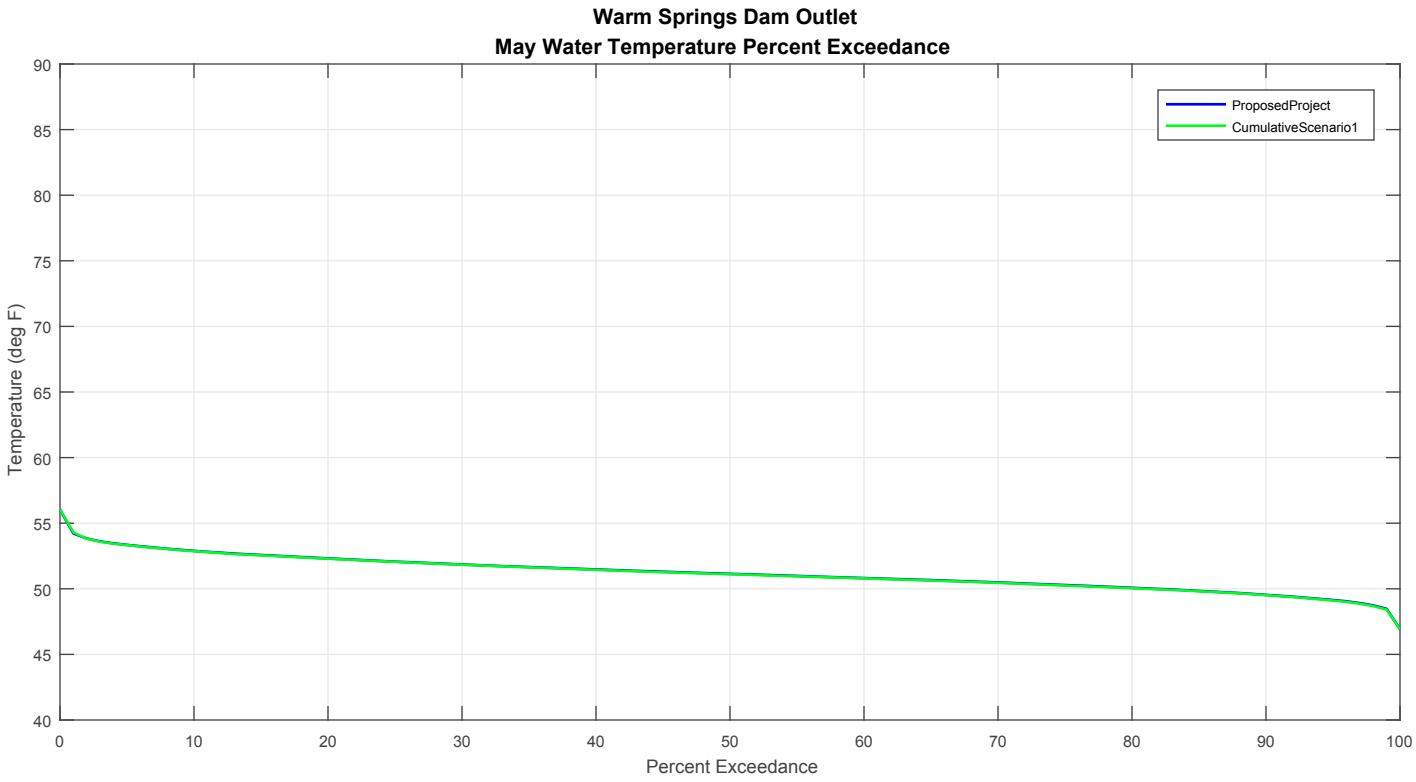
Warm Springs Dam Outlet
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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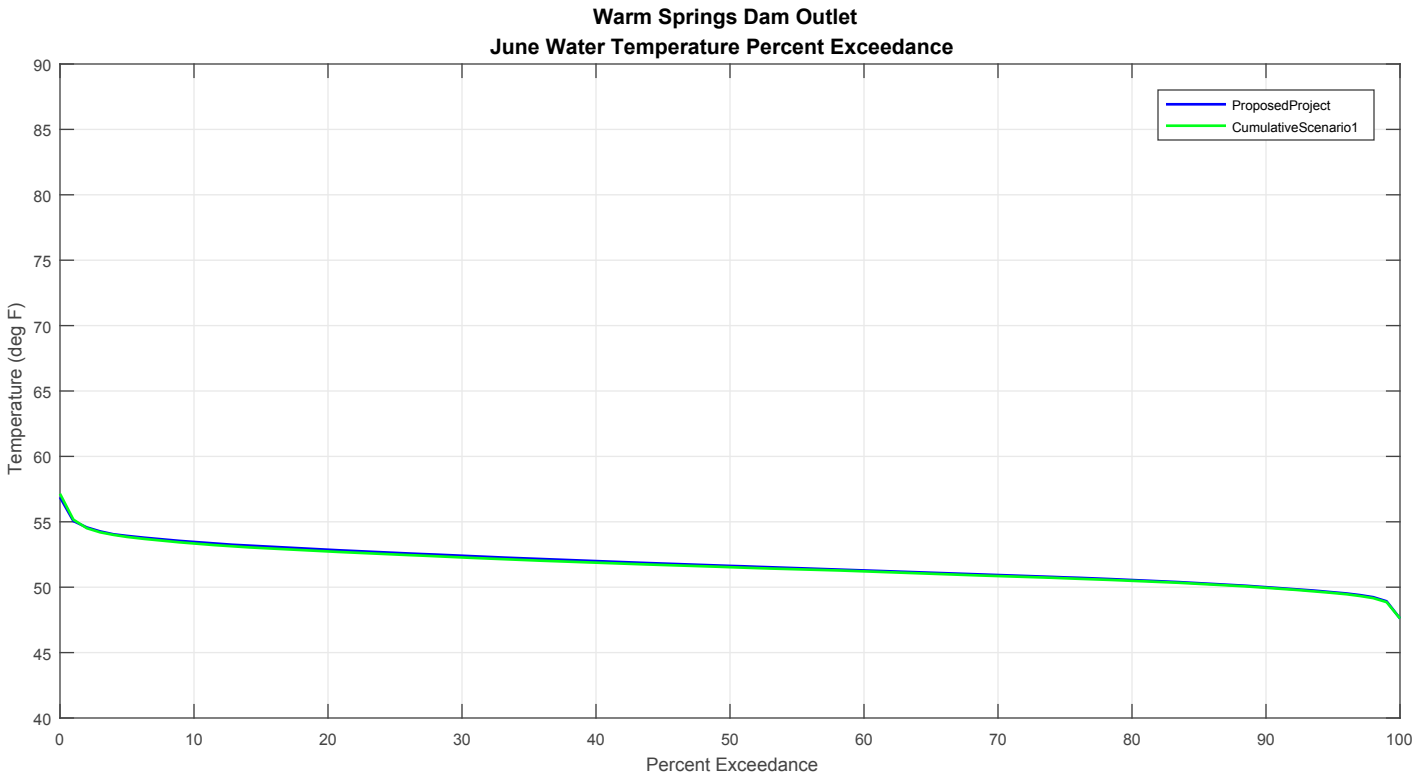
Warm Springs Dam Outlet
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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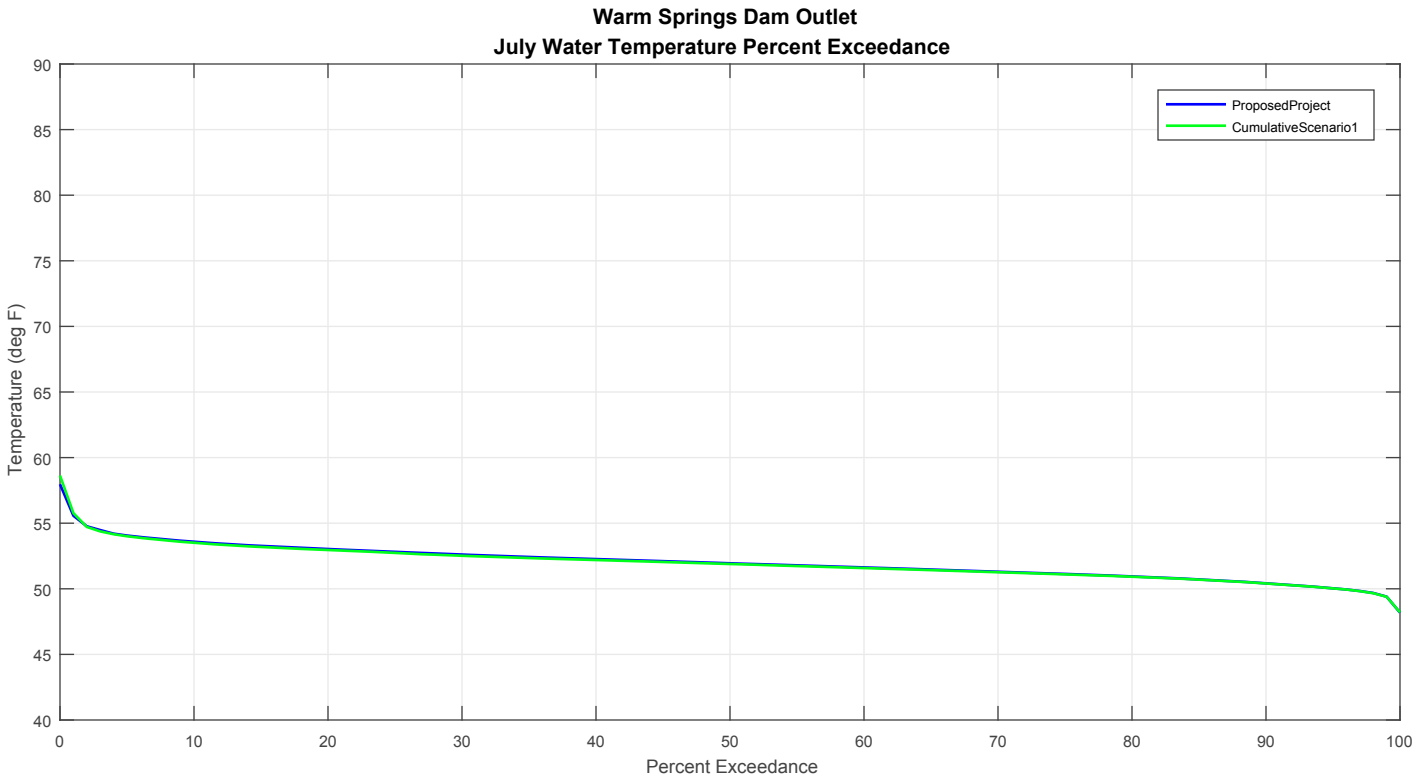
Warm Springs Dam Outlet
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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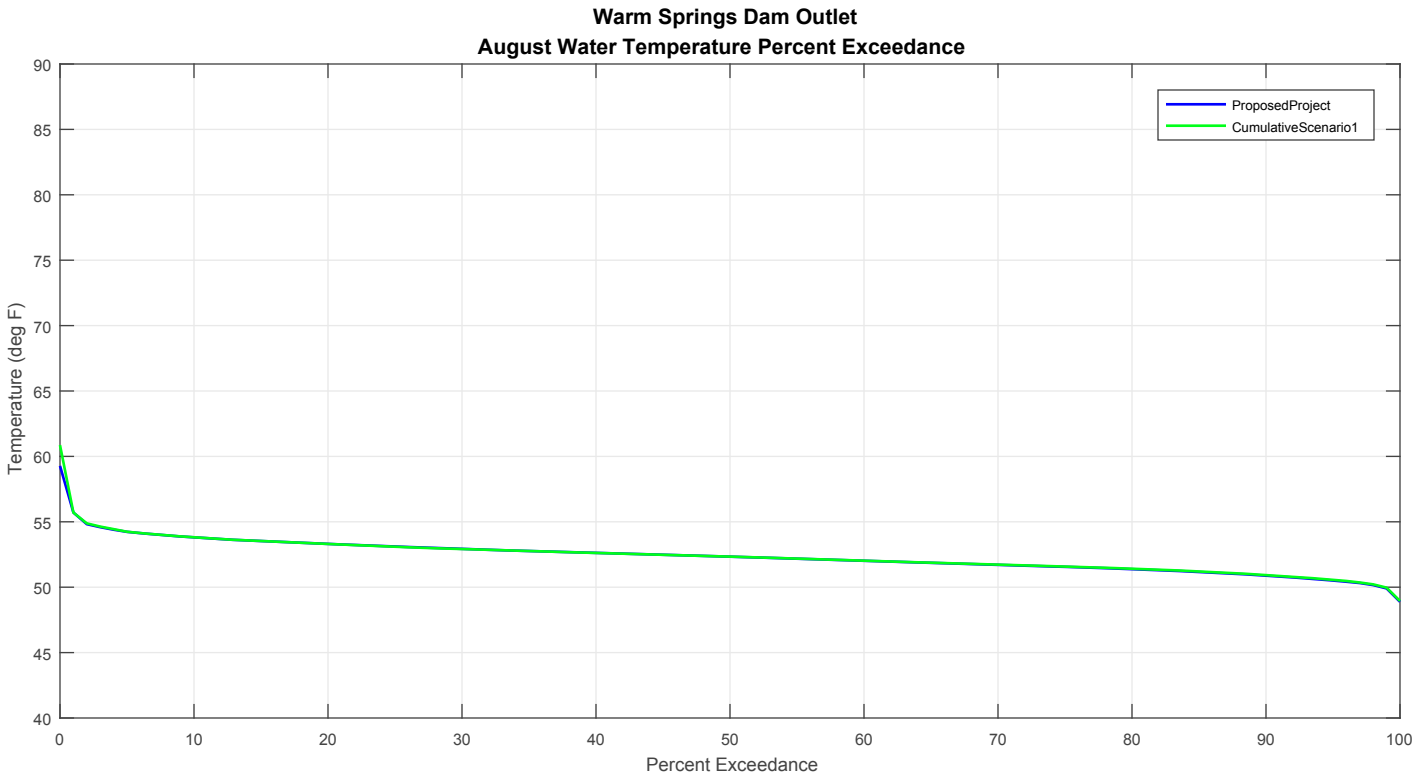
Warm Springs Dam Outlet
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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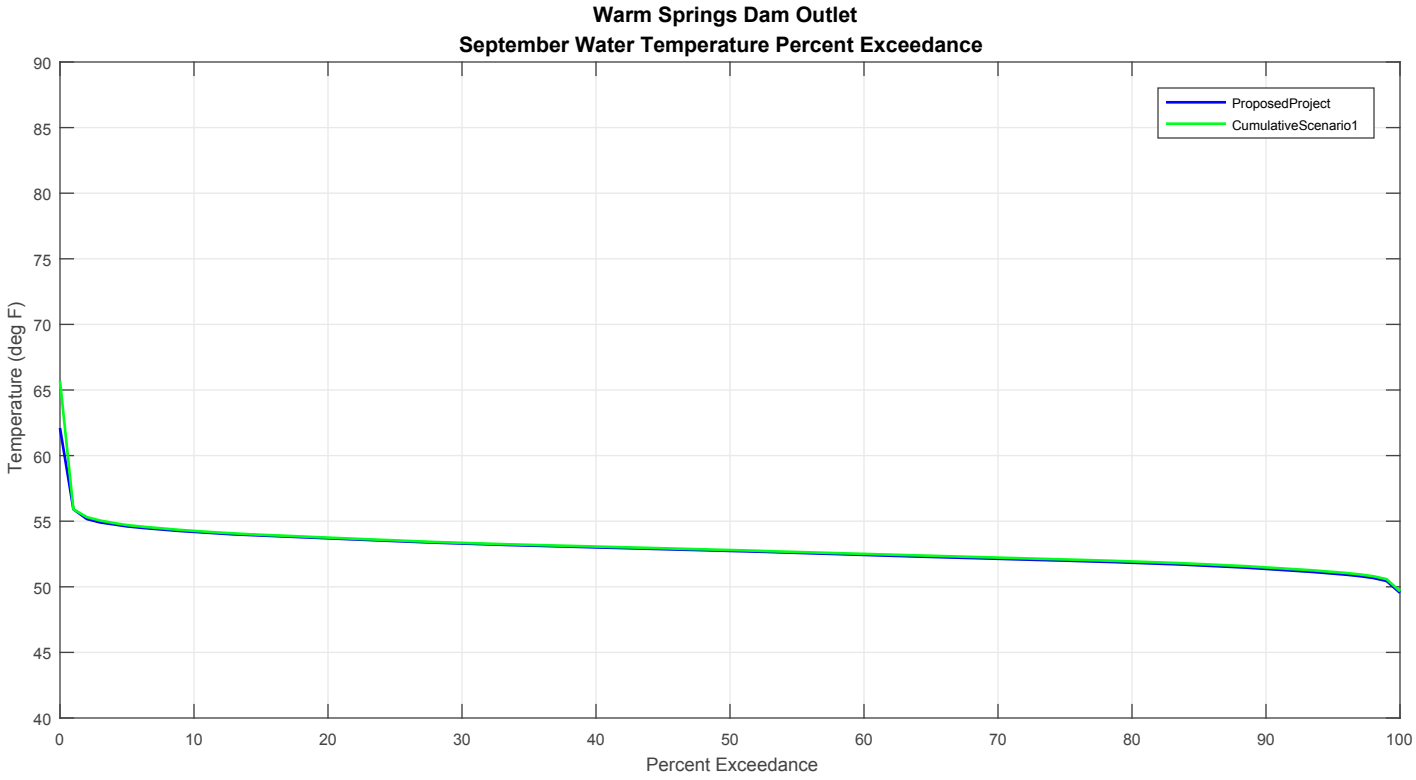
Warm Springs Dam Outlet
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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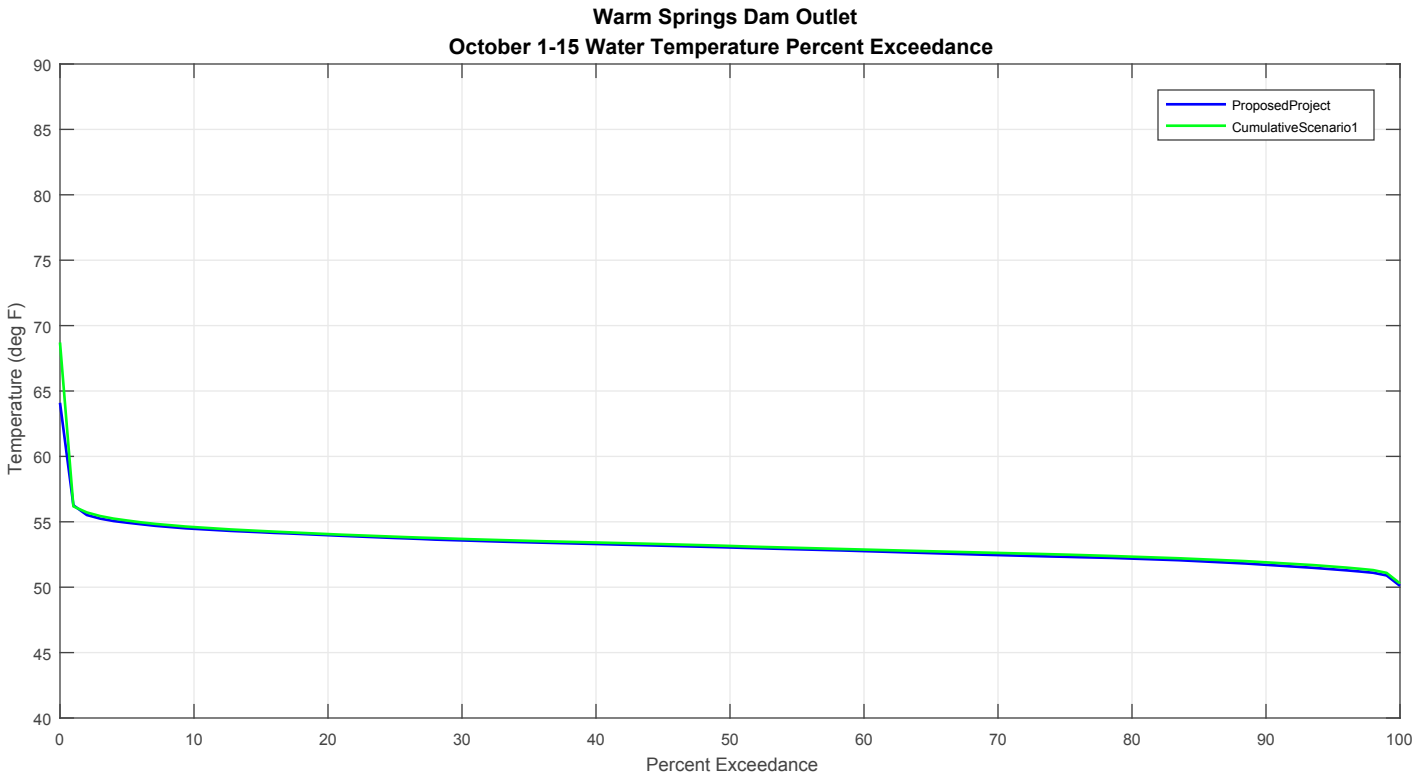
Warm Springs Dam Outlet
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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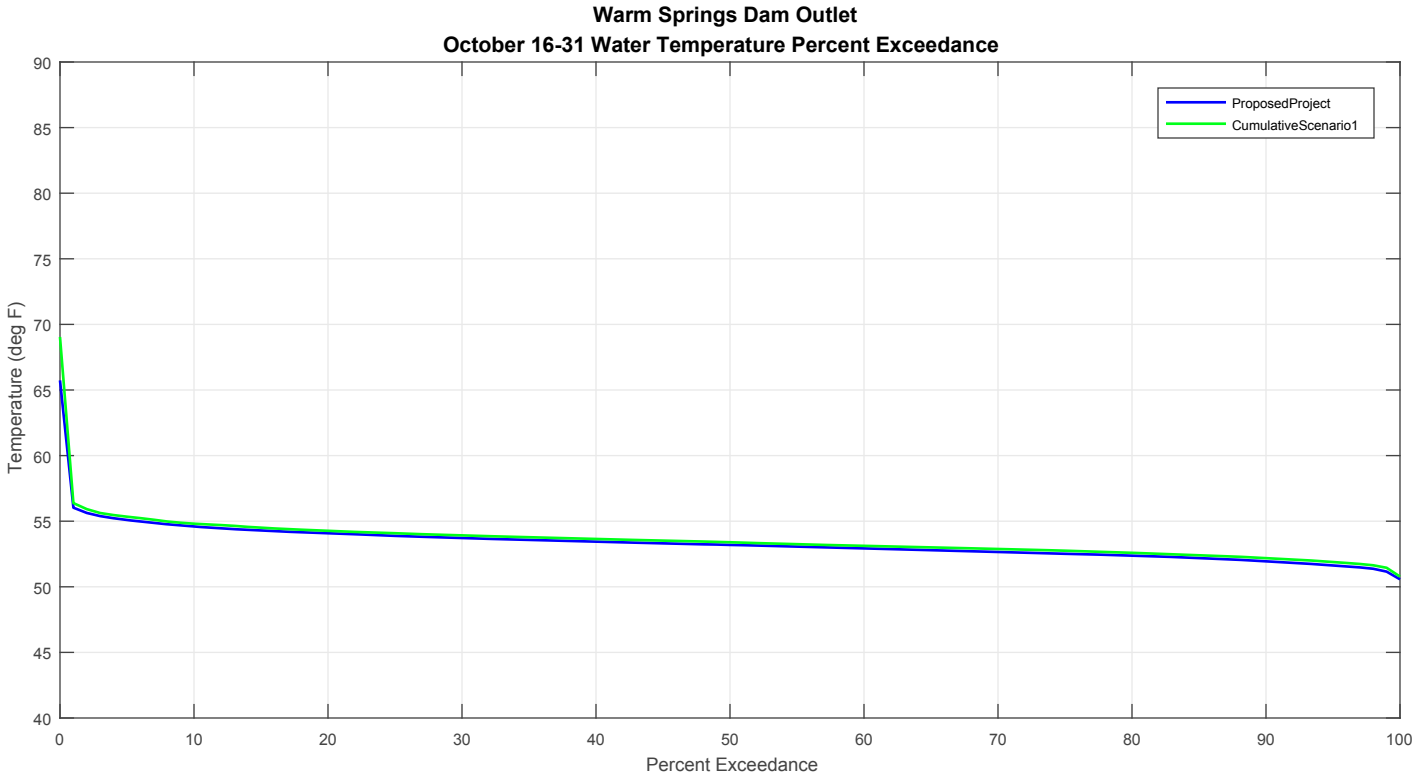
Warm Springs Dam Outlet
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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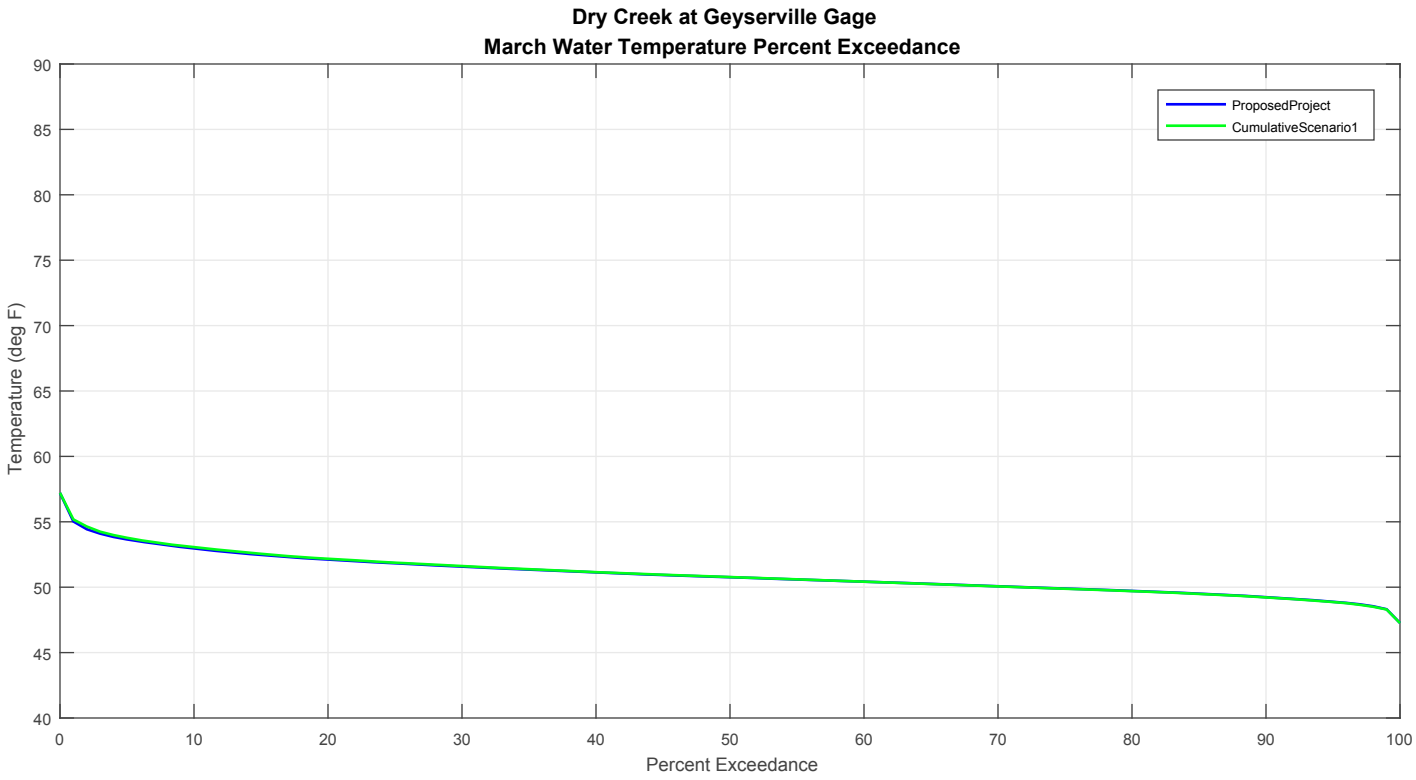
Dry Creek at Geyserville Gage
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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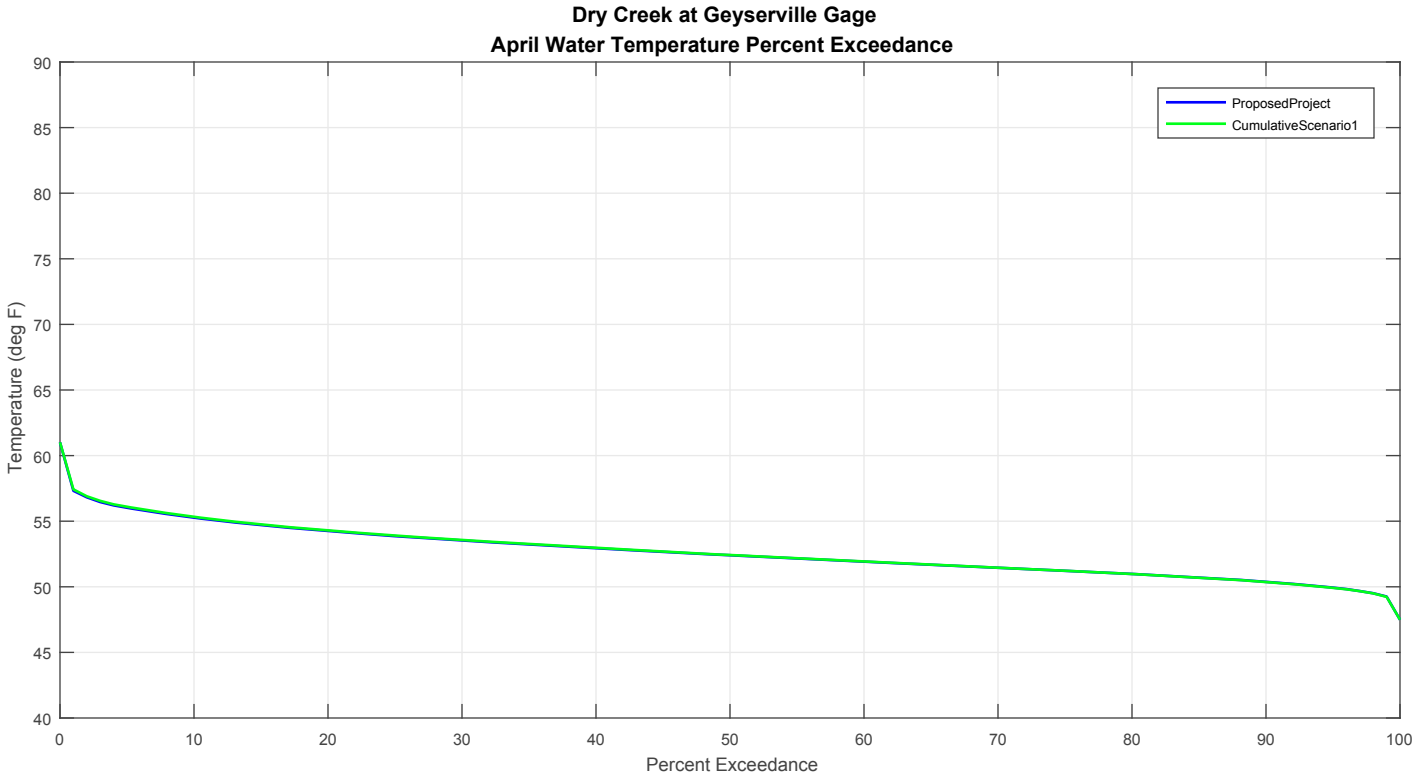
Dry Creek at Geyserville Gage
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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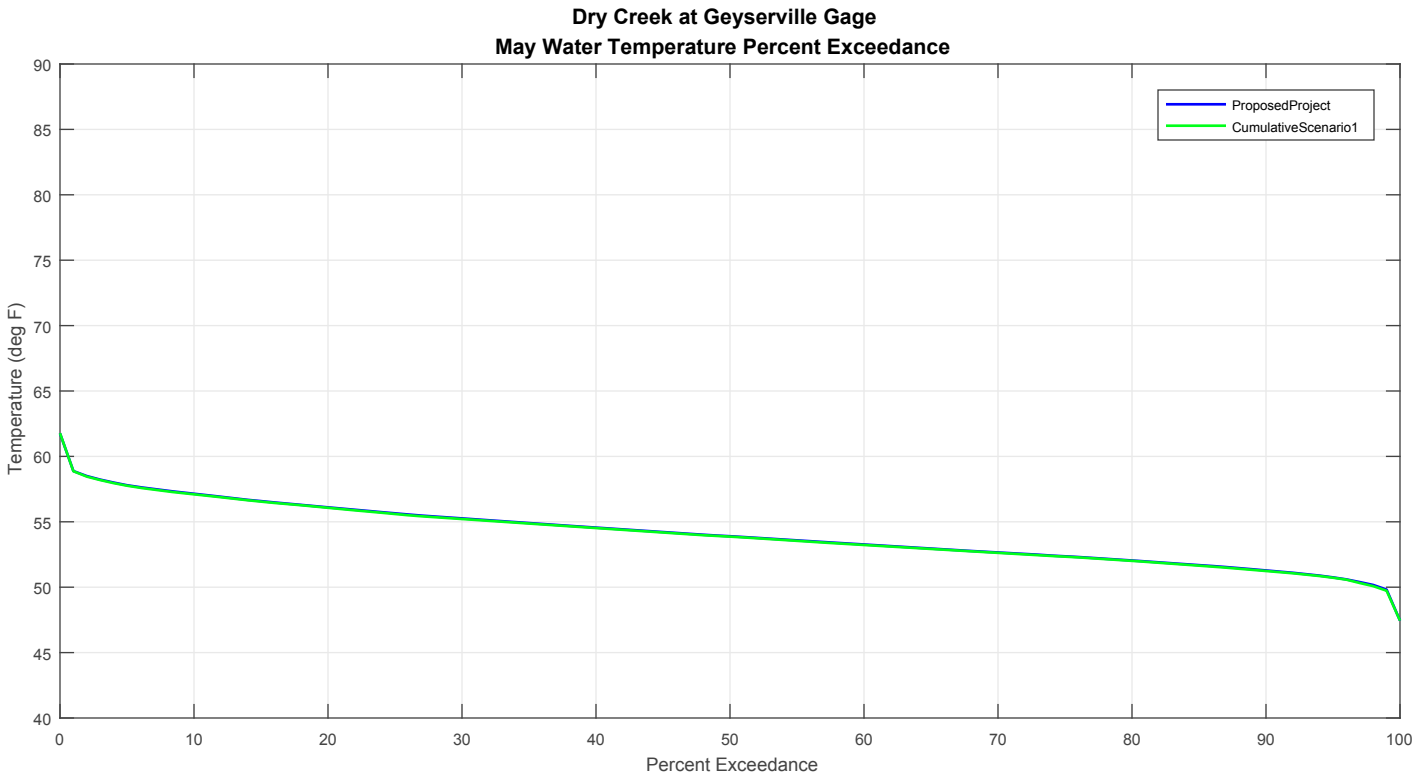
Dry Creek at Geyserville Gage
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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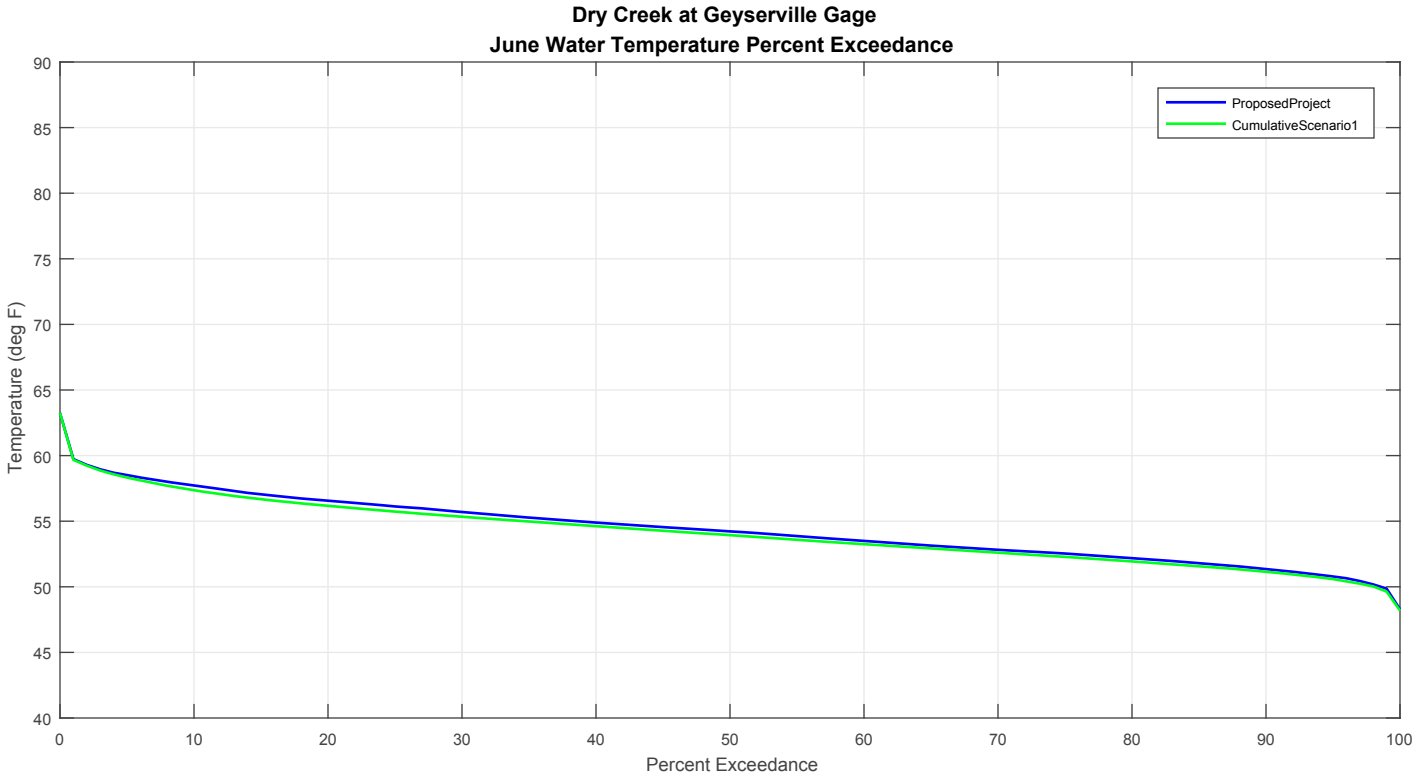
Dry Creek at Geyserville Gage
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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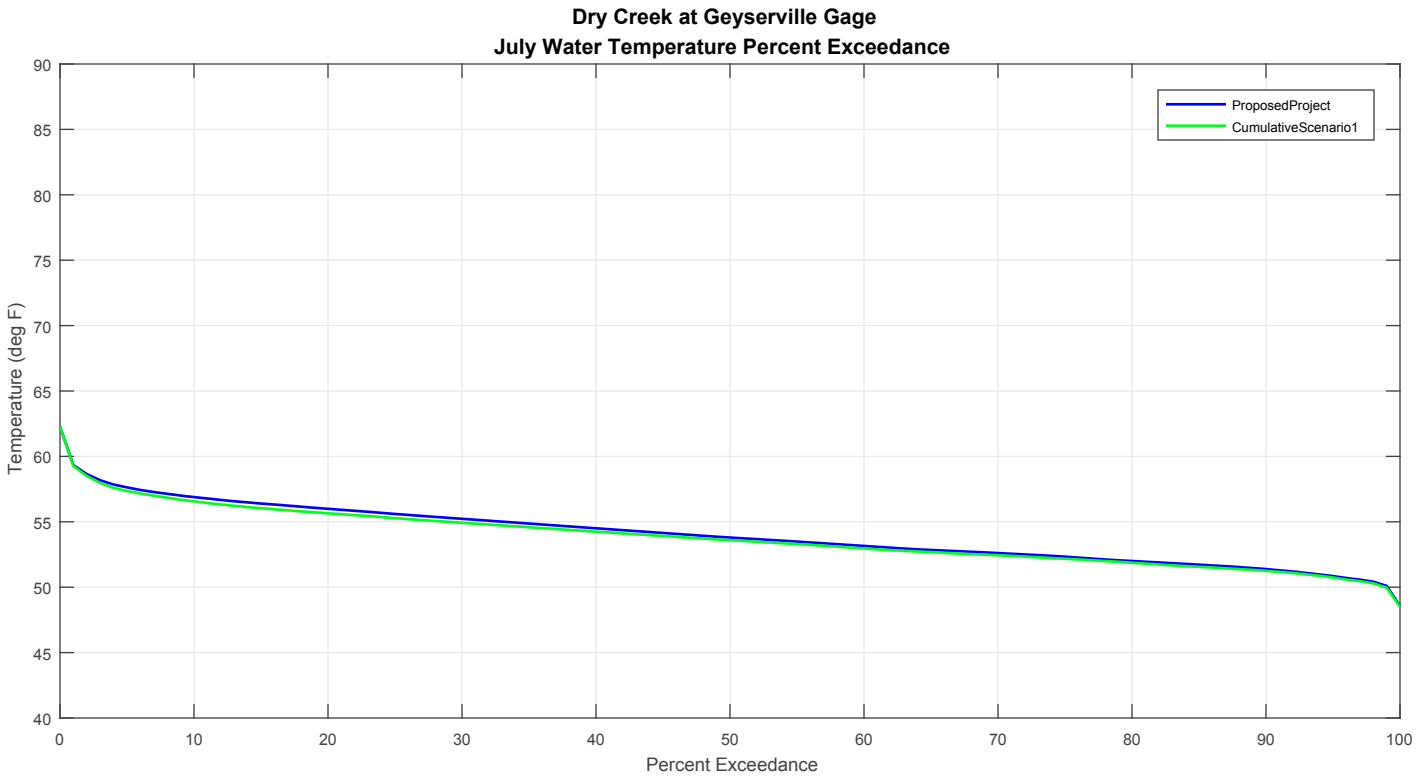
Dry Creek at Geyserville Gage
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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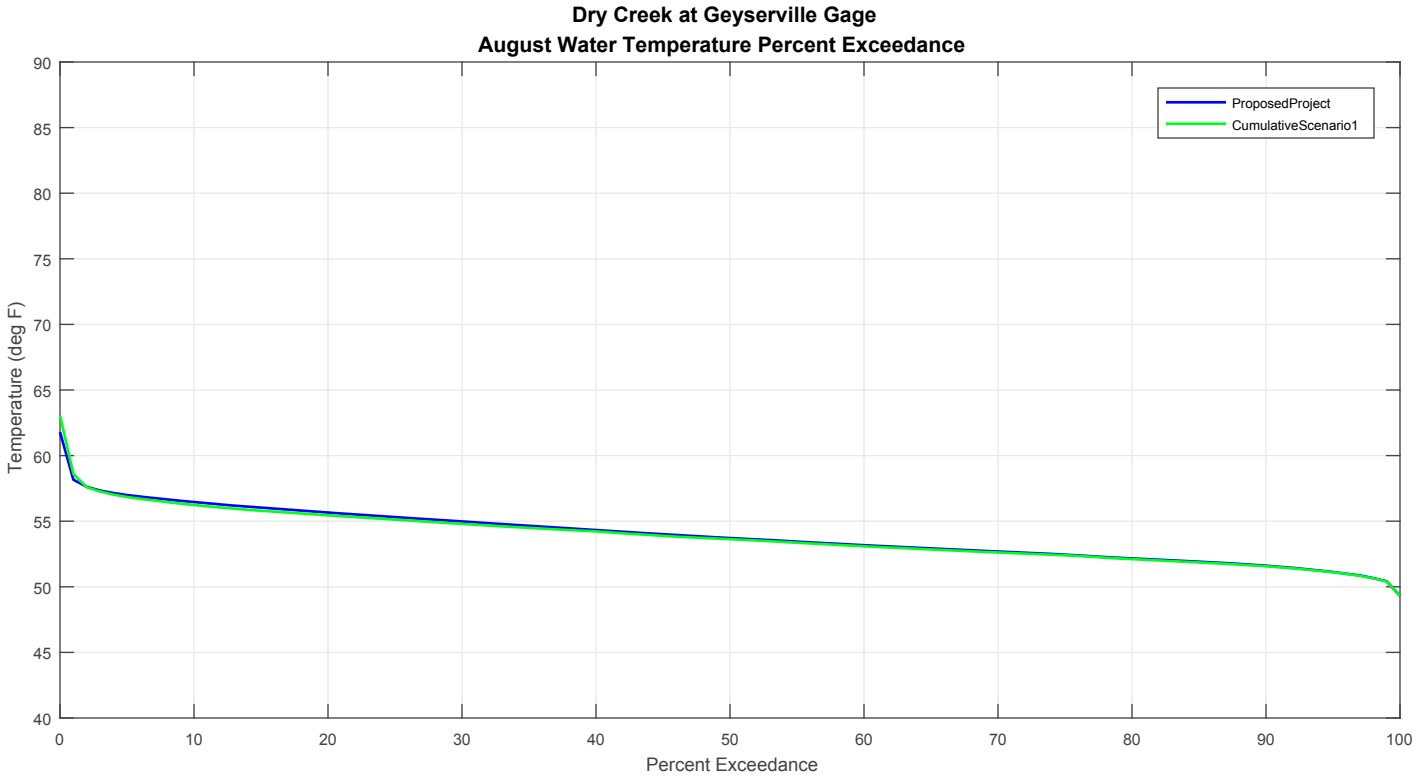
Dry Creek at Geyserville Gage
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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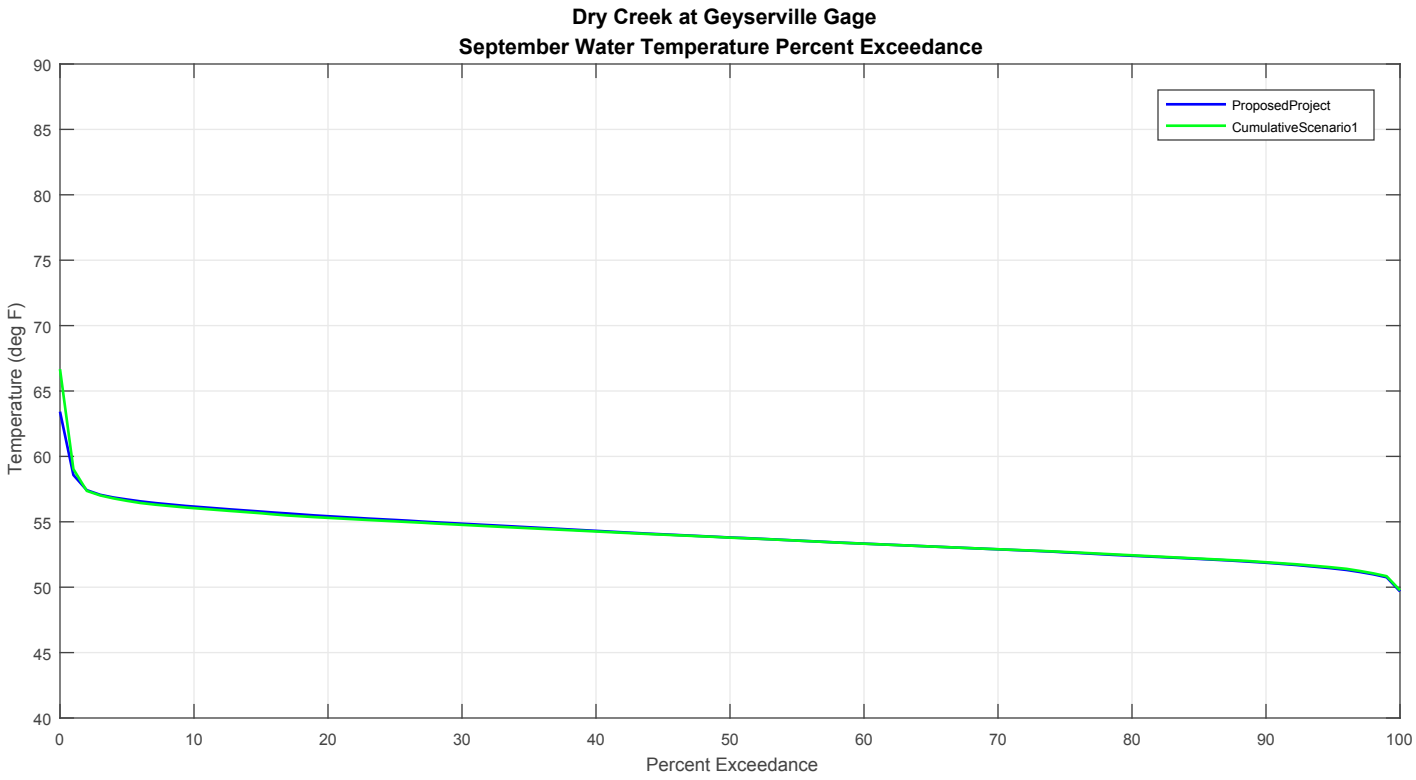
Dry Creek at Geyserville Gage
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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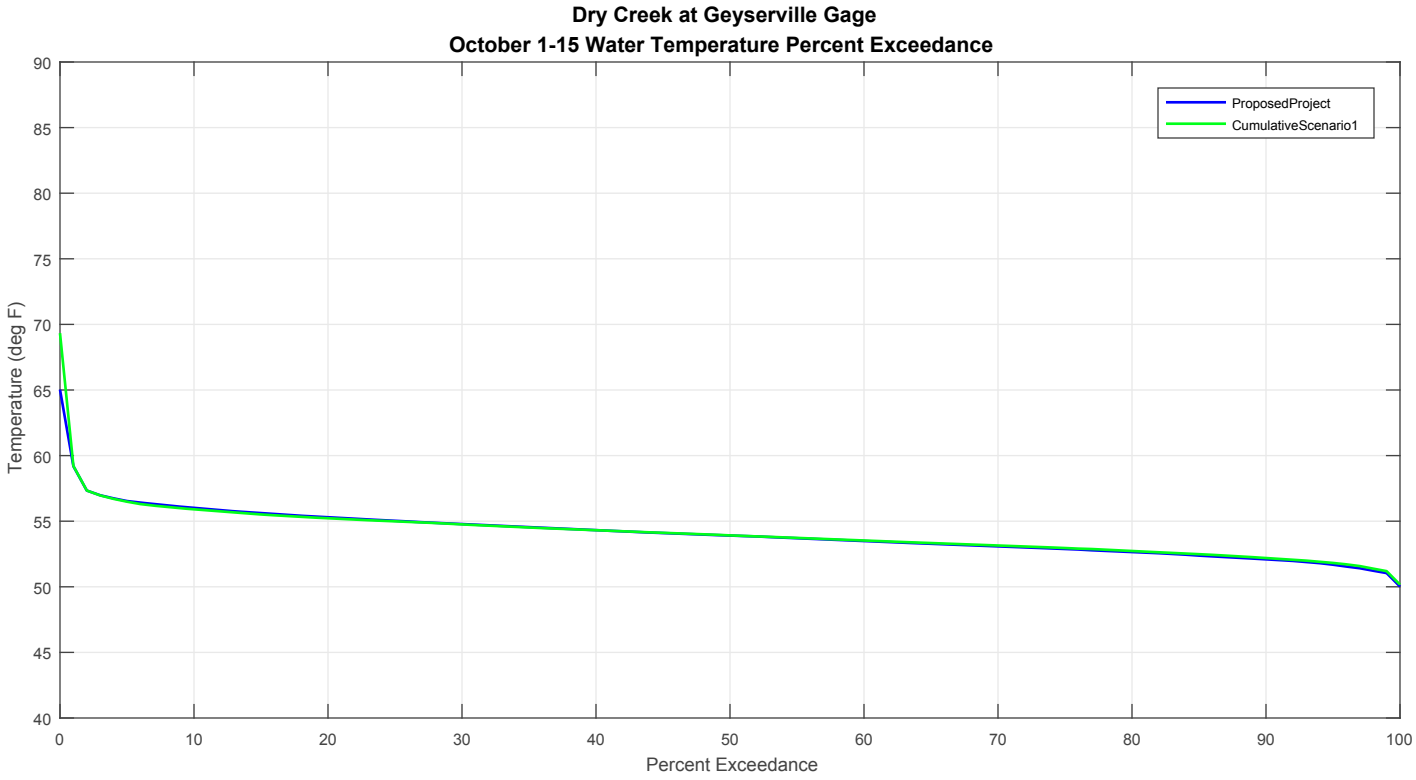
Dry Creek at Geyserville Gage
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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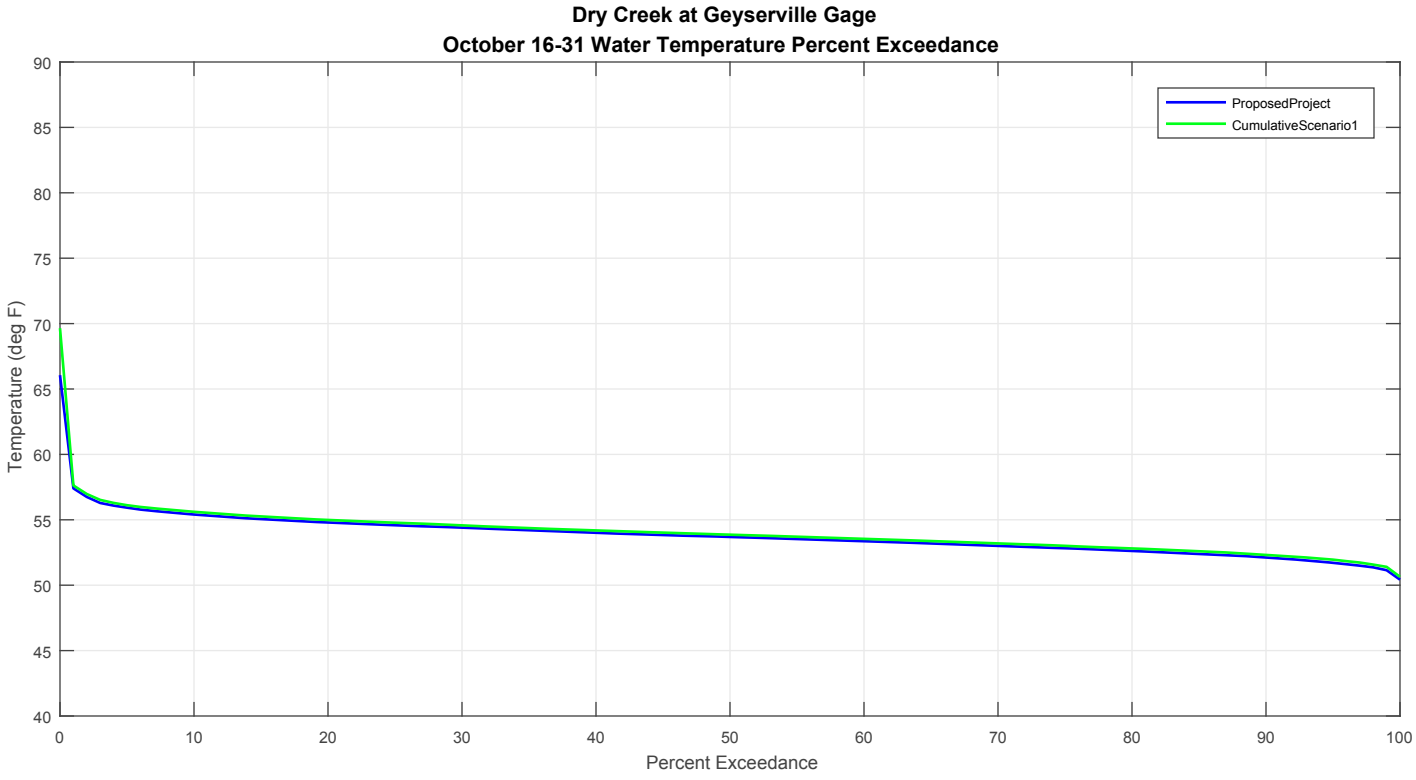
Dry Creek at Geyserville Gage
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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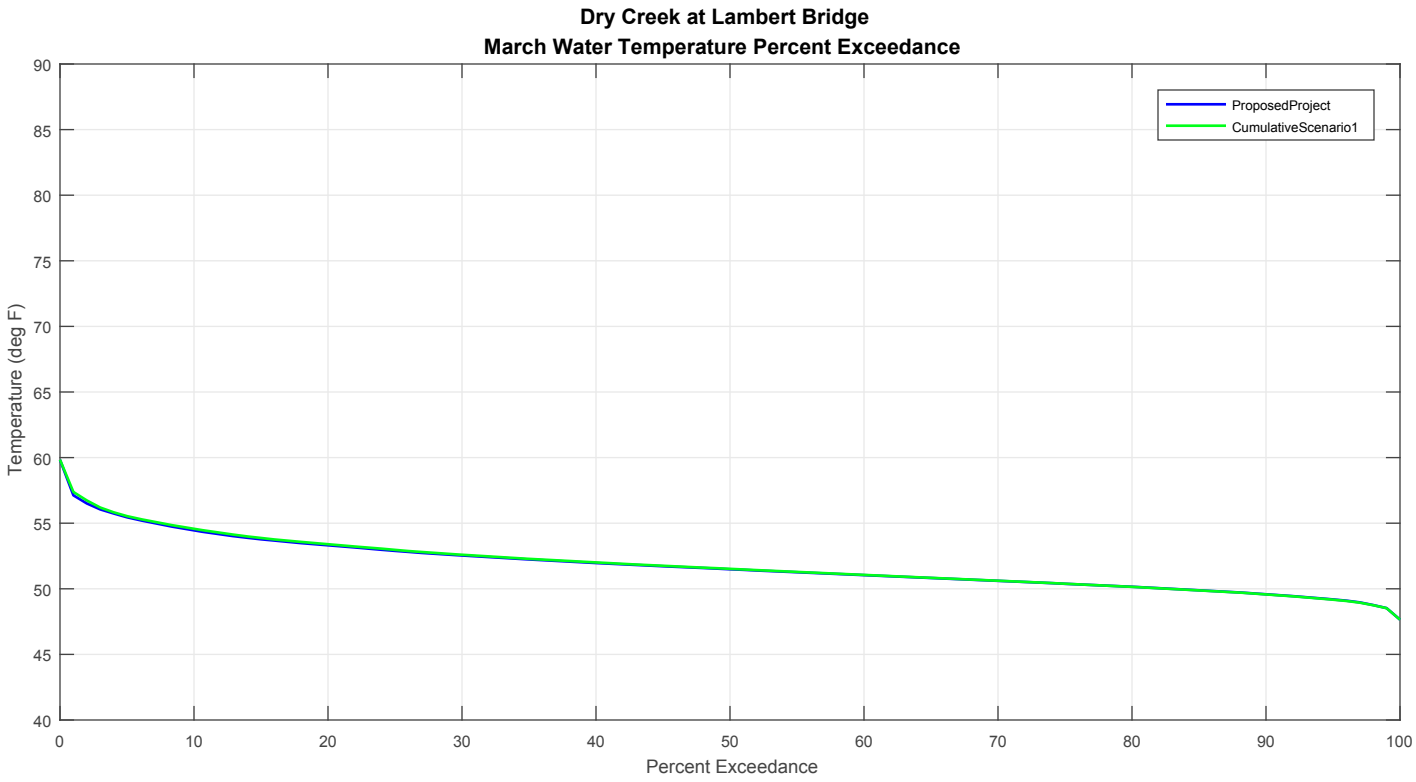
Dry Creek at Lambert Bridge
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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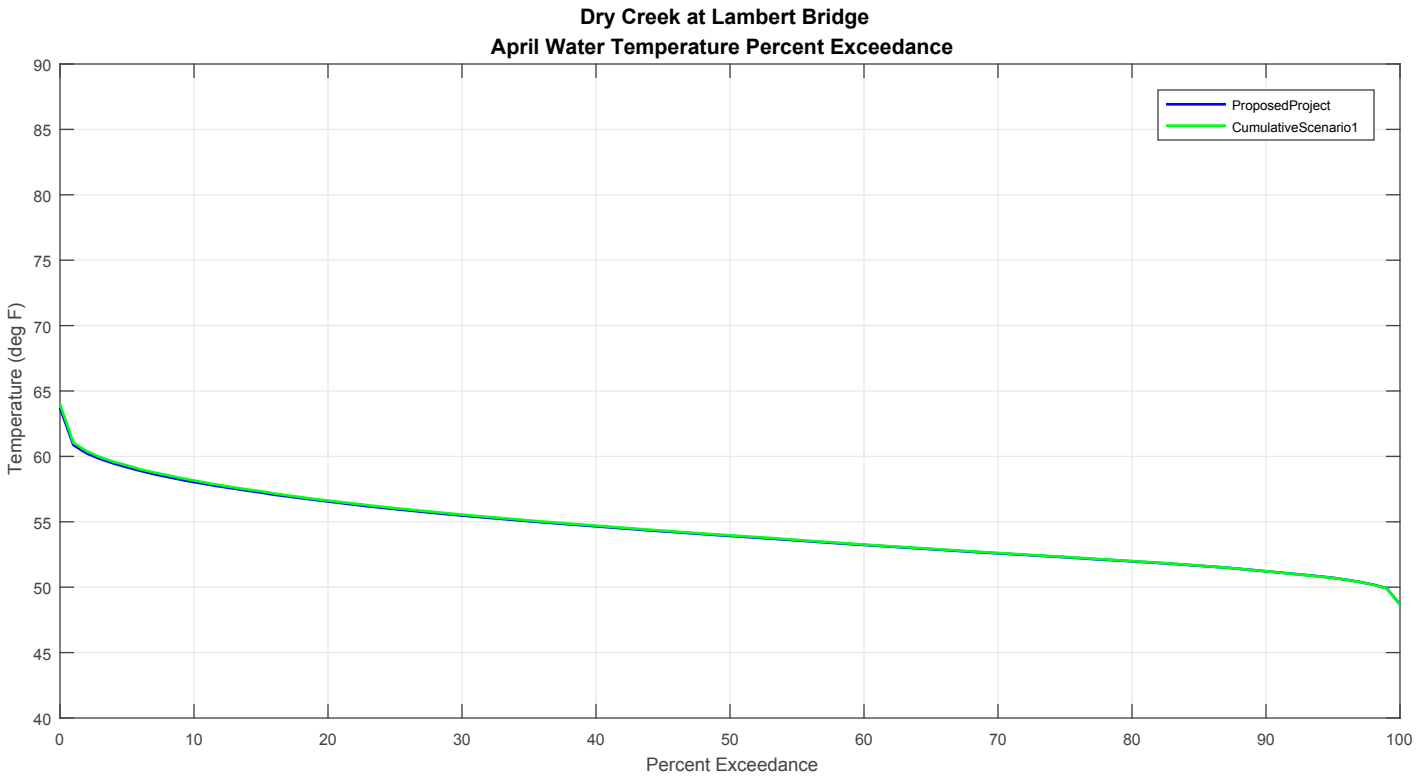
Dry Creek at Lambert Bridge
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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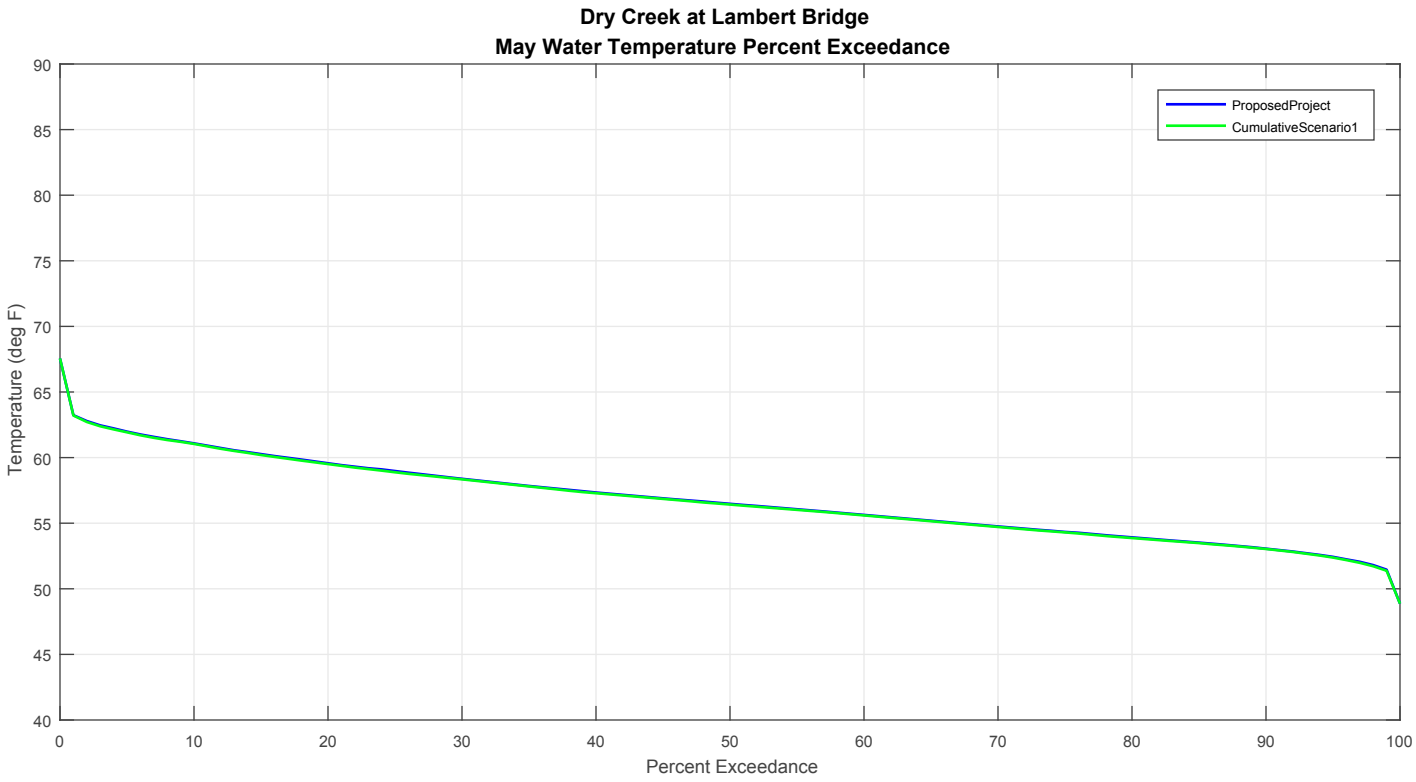
Dry Creek at Lambert Bridge
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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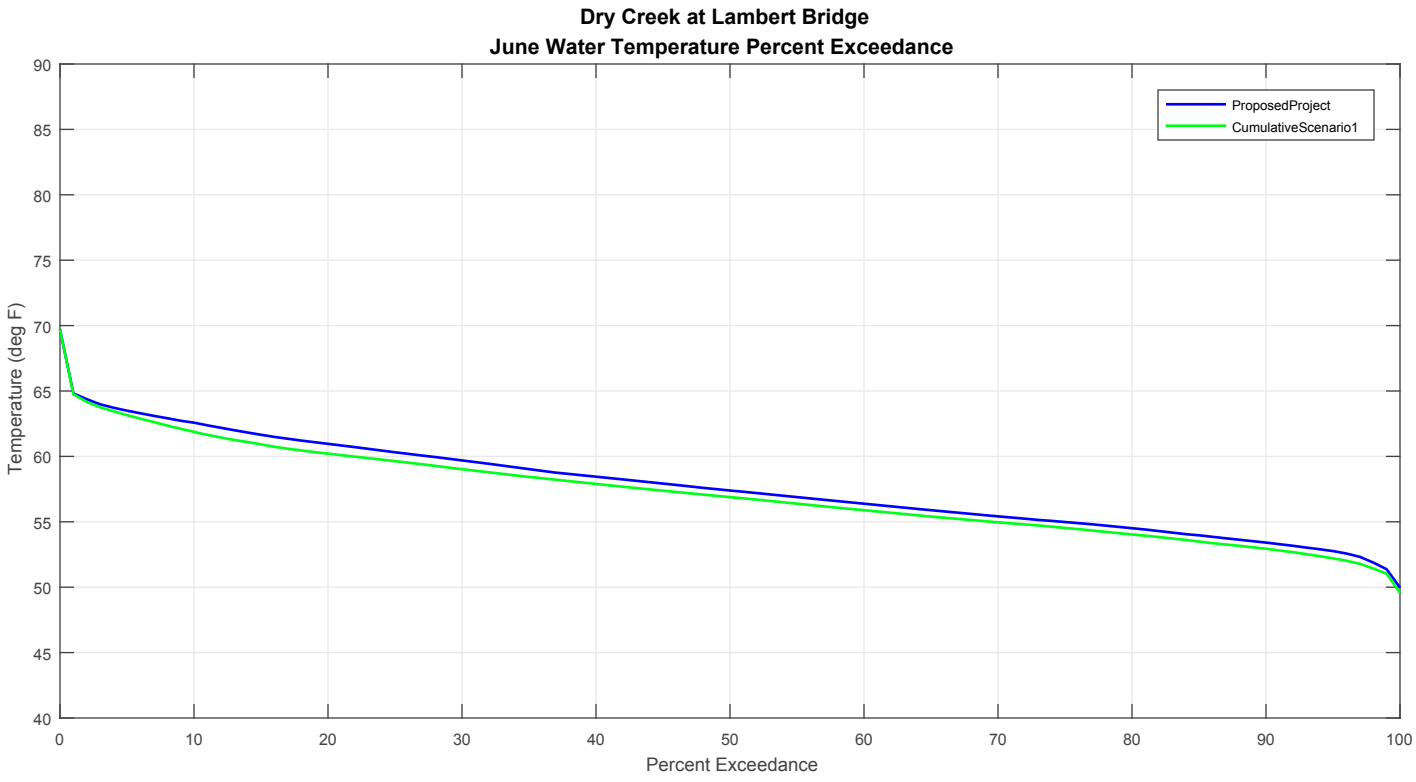
Dry Creek at Lambert Bridge
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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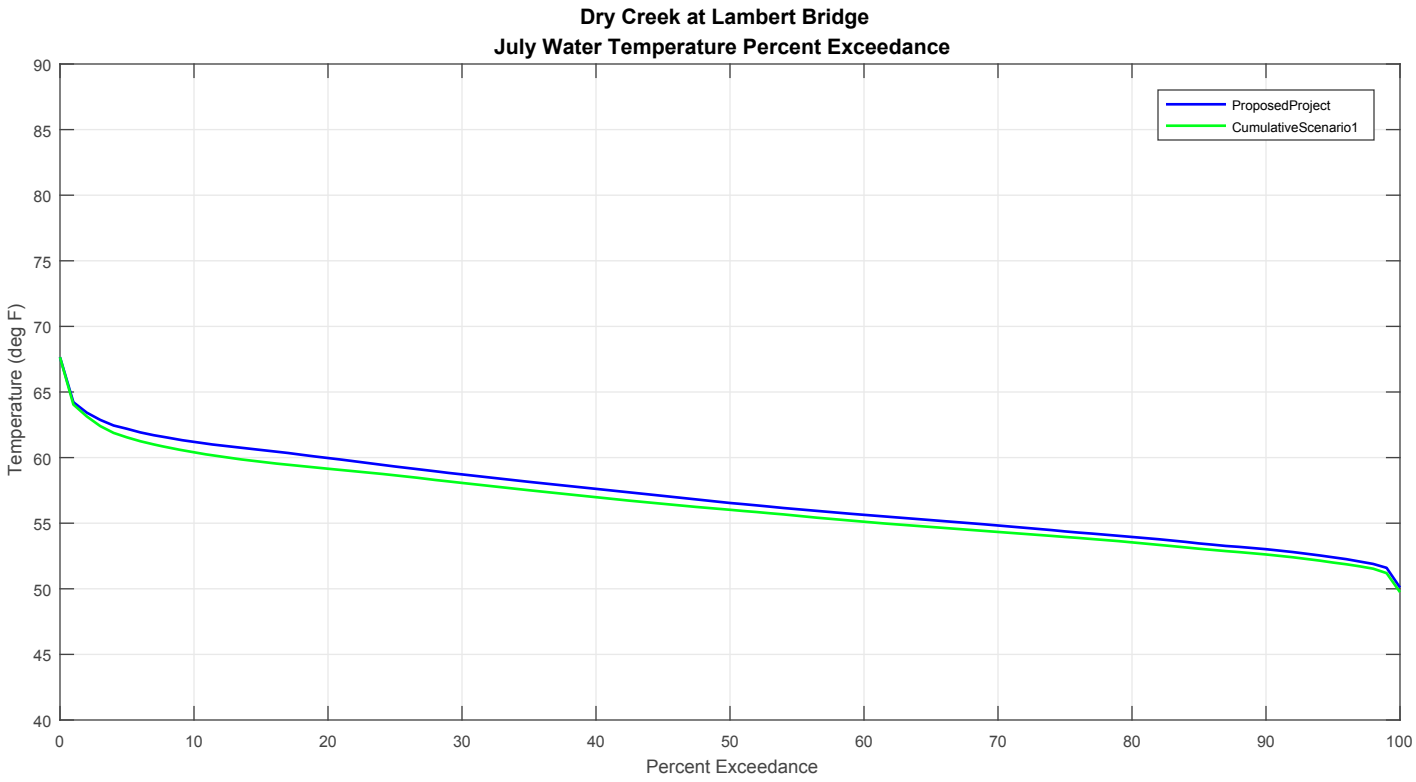
Dry Creek at Lambert Bridge
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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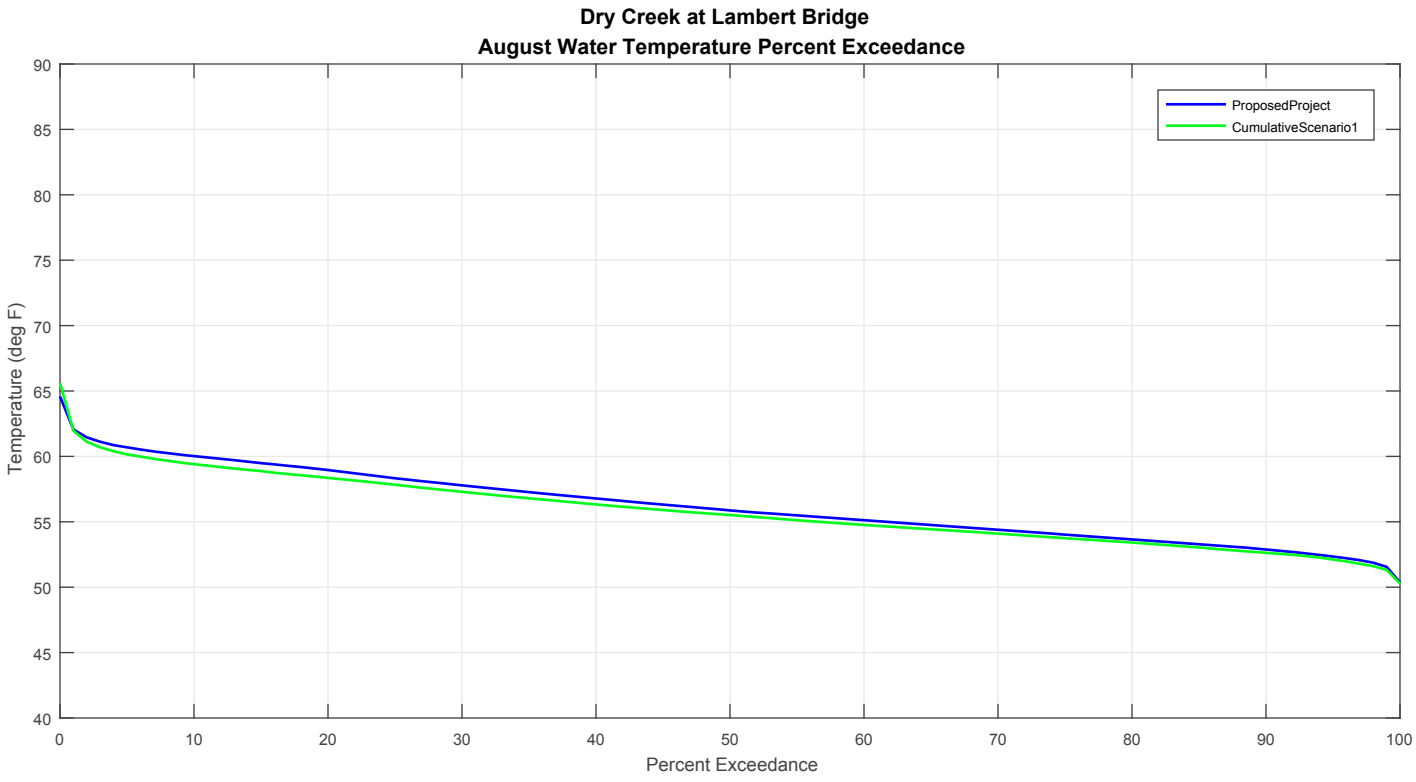
Dry Creek at Lambert Bridge
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
90
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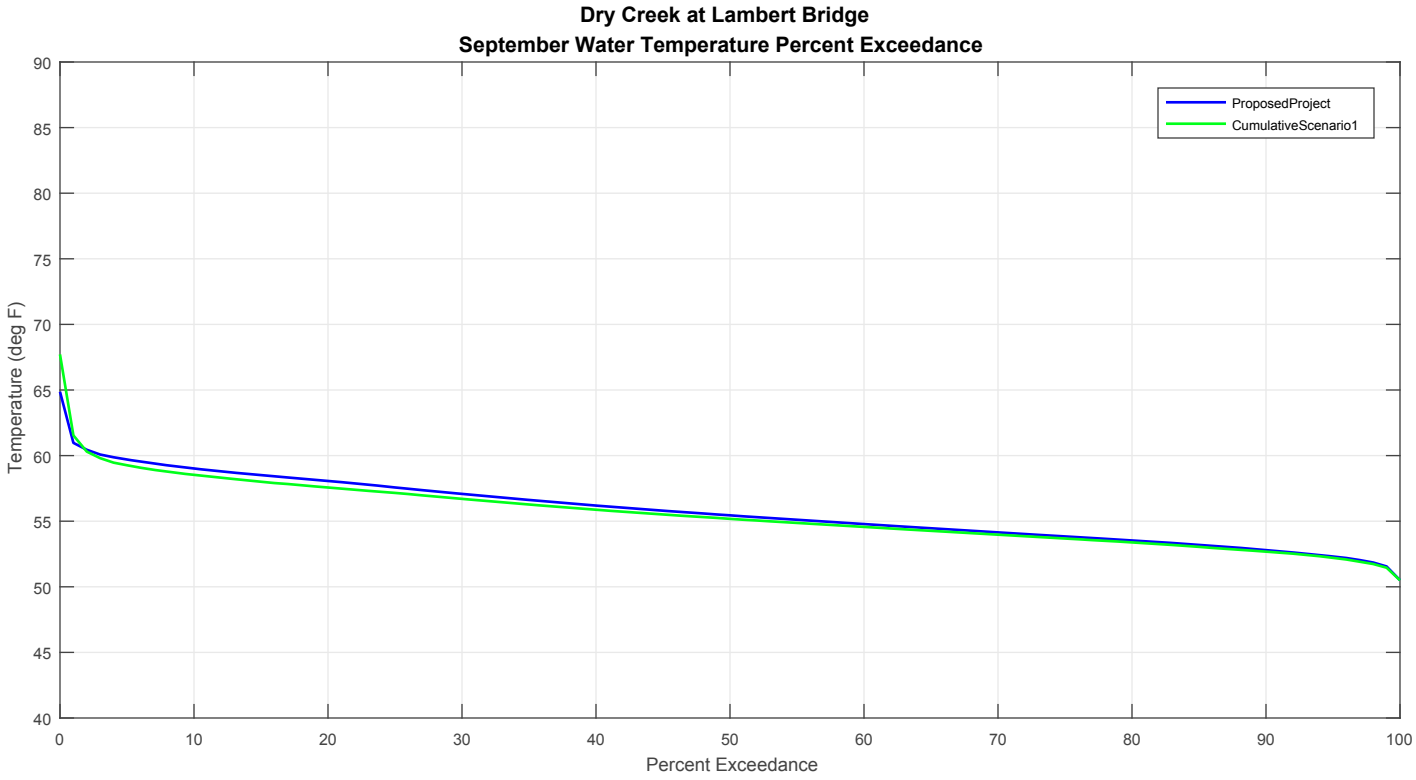
Dry Creek at Lambert Bridge
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
90
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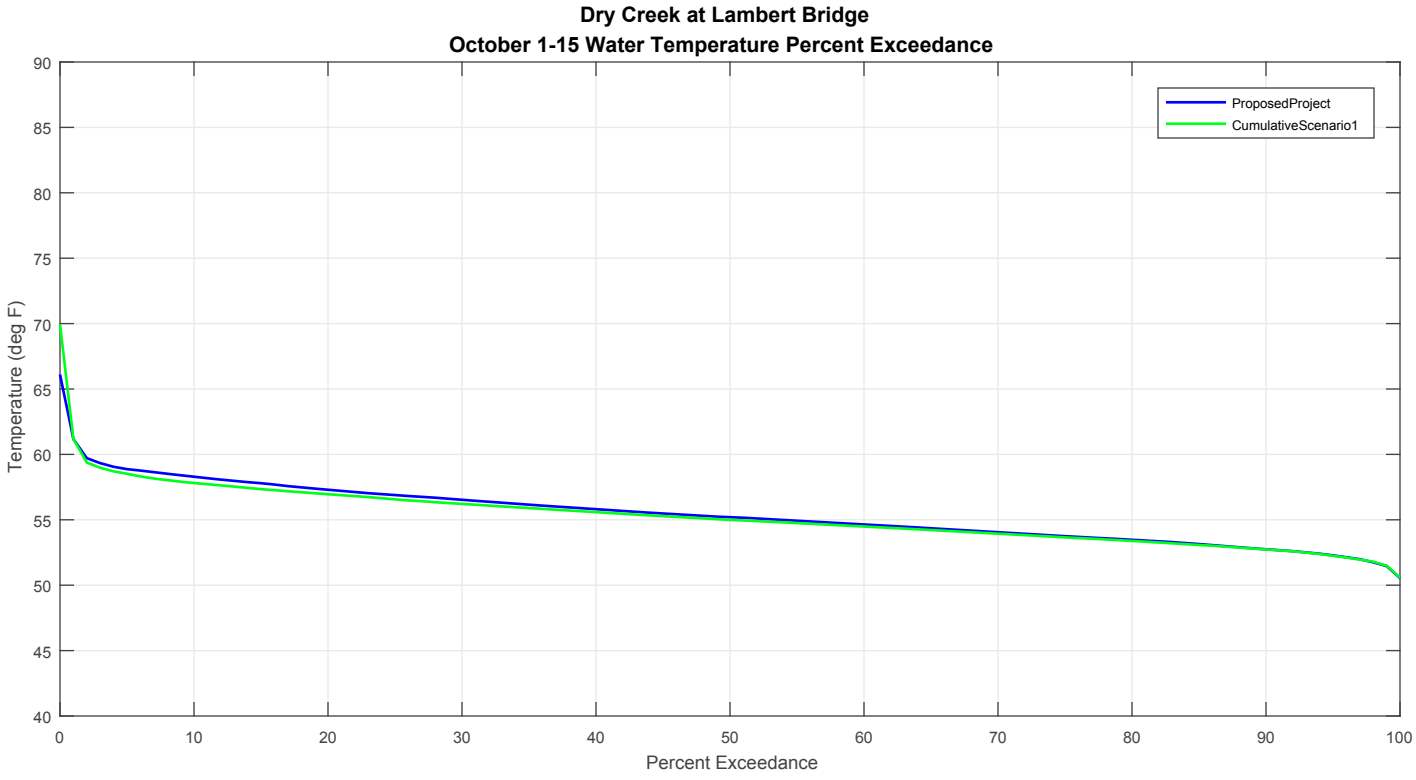
Dry Creek at Lambert Bridge
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
90
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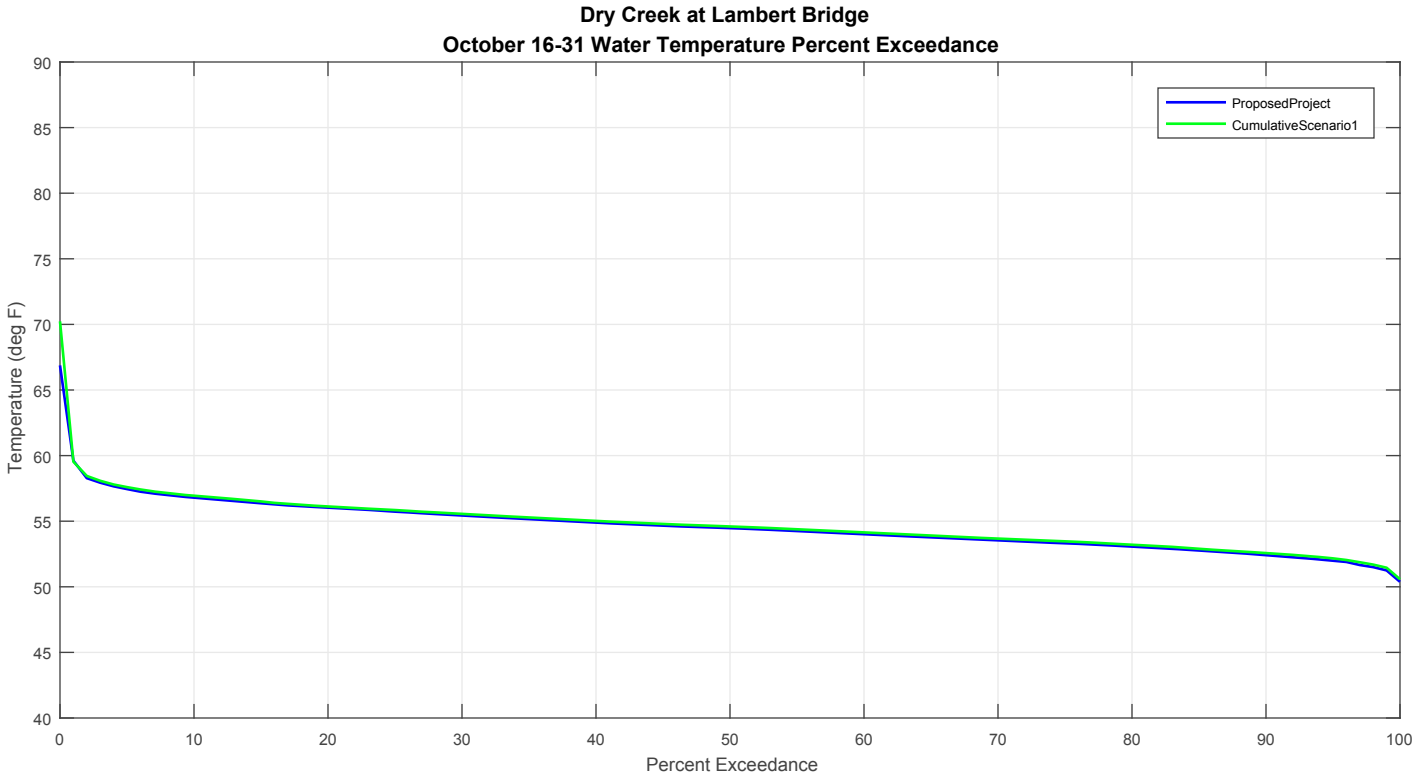
Dry Creek at Lambert Bridge
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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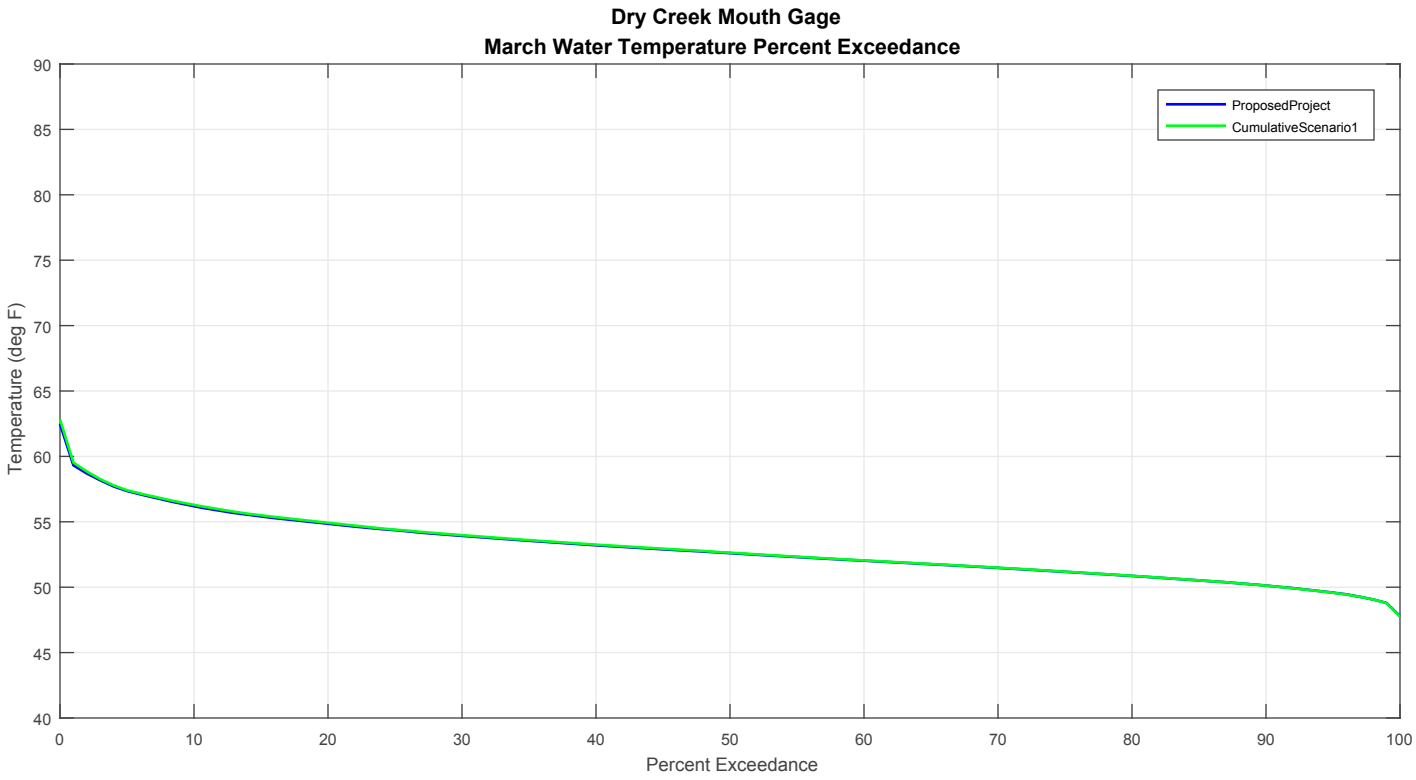
Dry Creek Mouth Gage
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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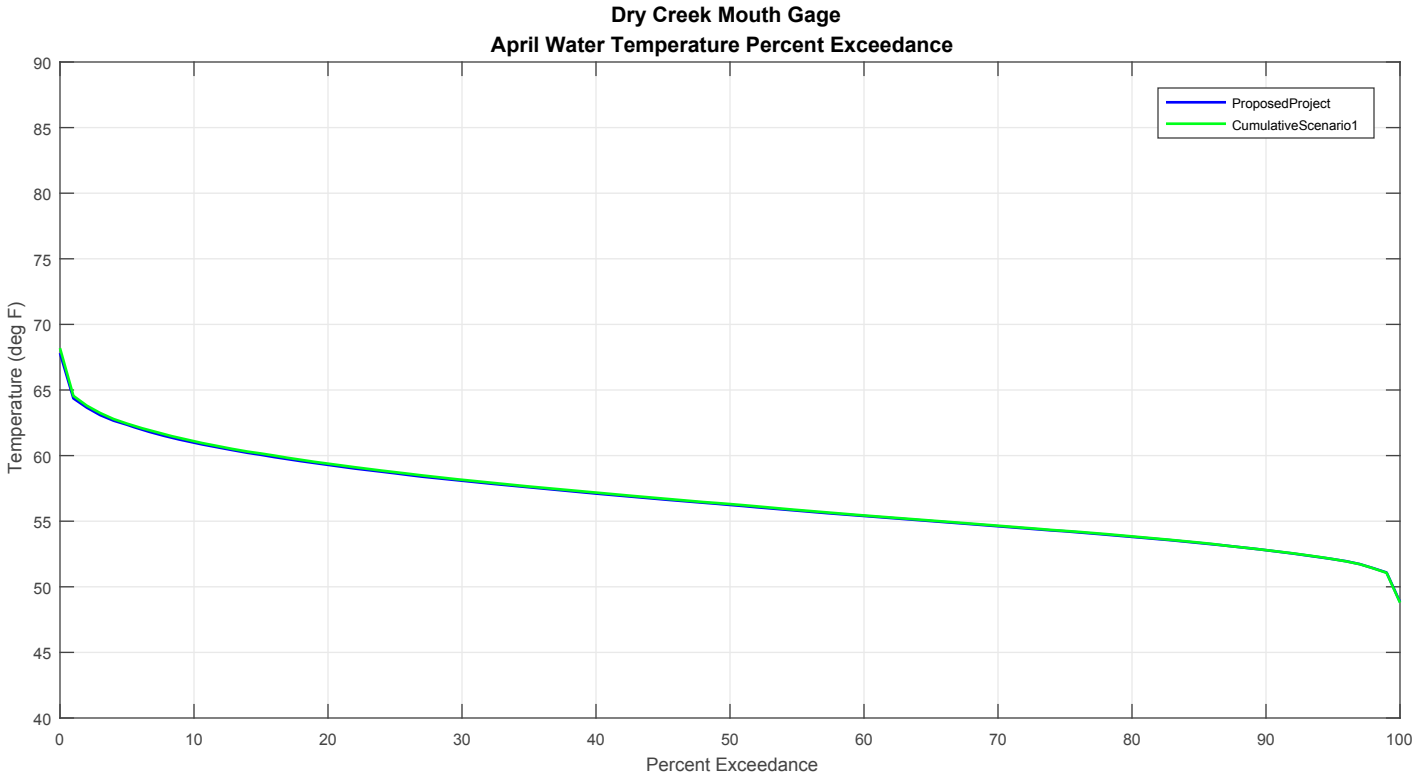
Dry Creek Mouth Gage
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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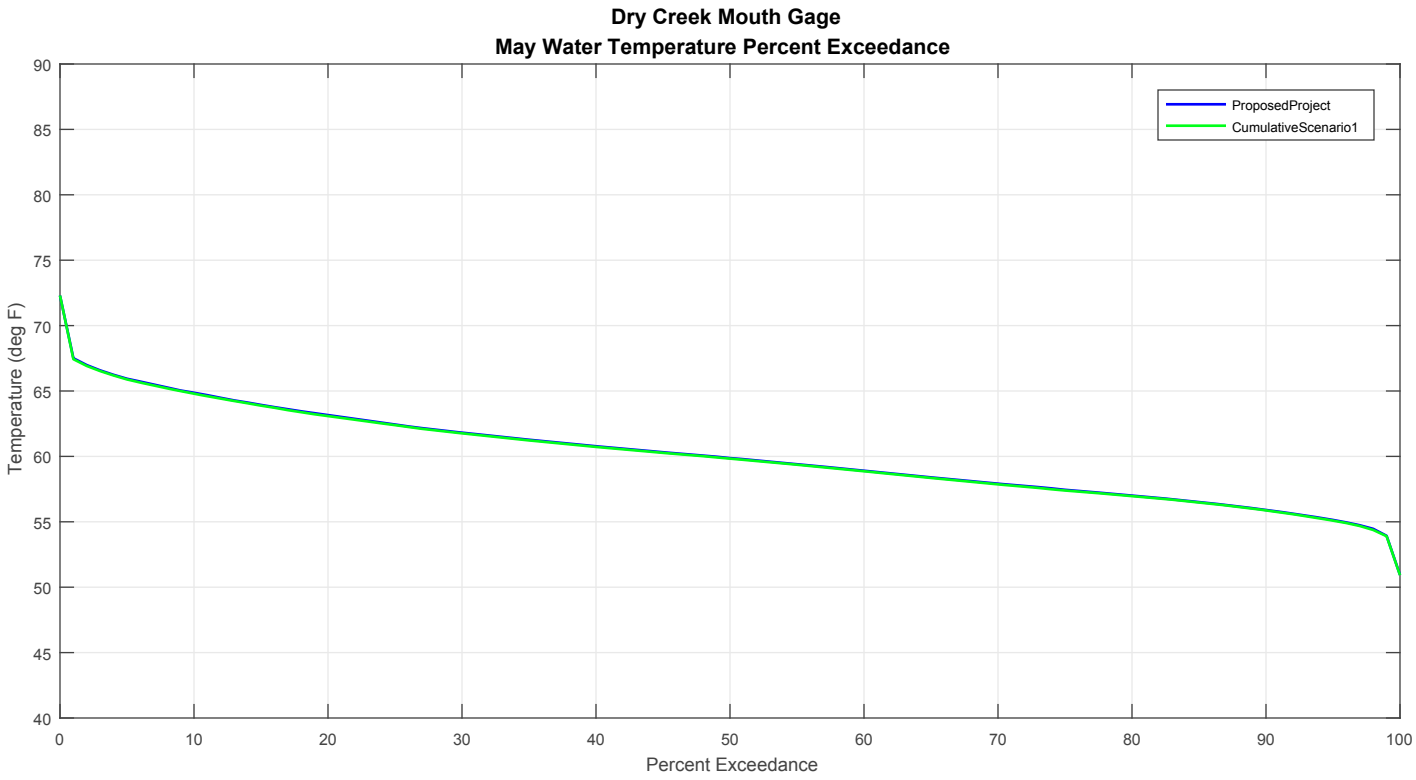
Dry Creek Mouth Gage
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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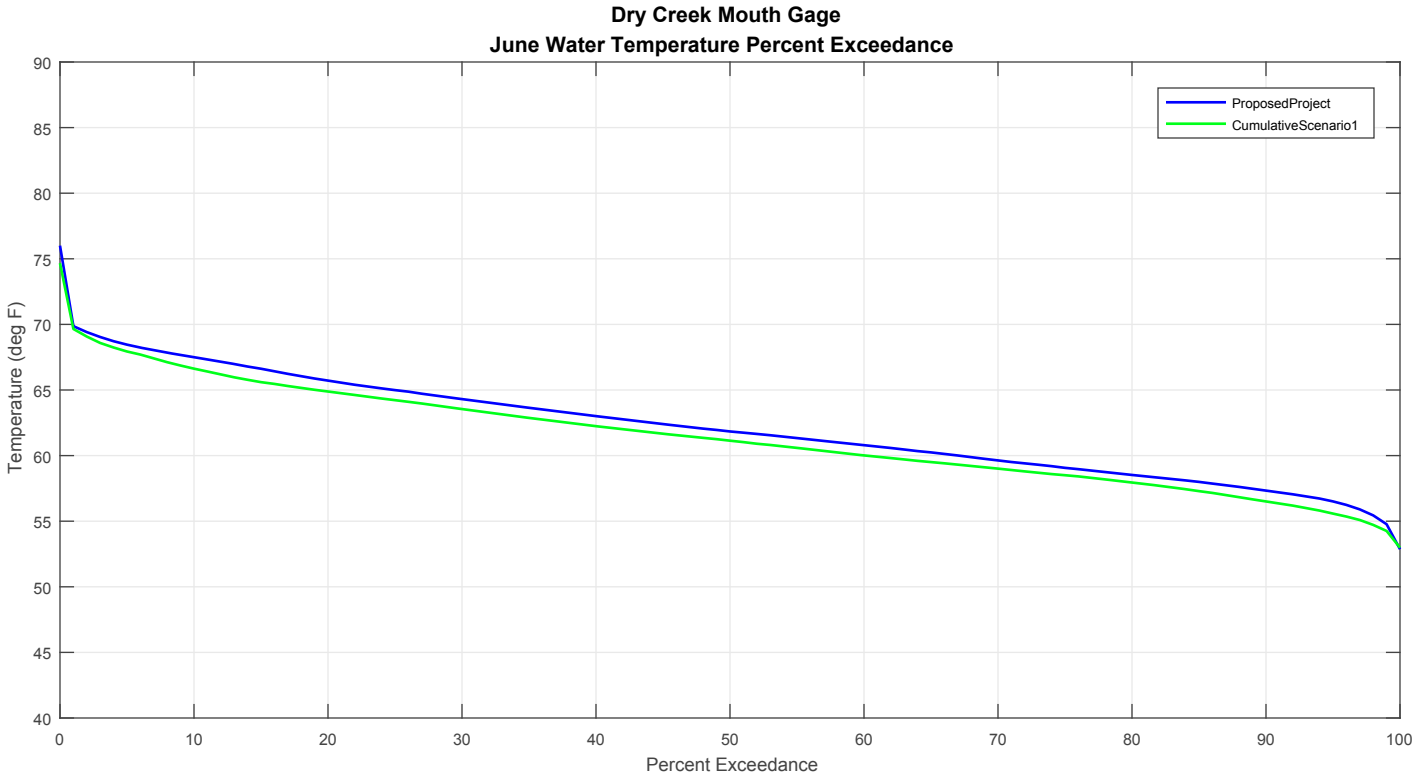
Dry Creek Mouth Gage
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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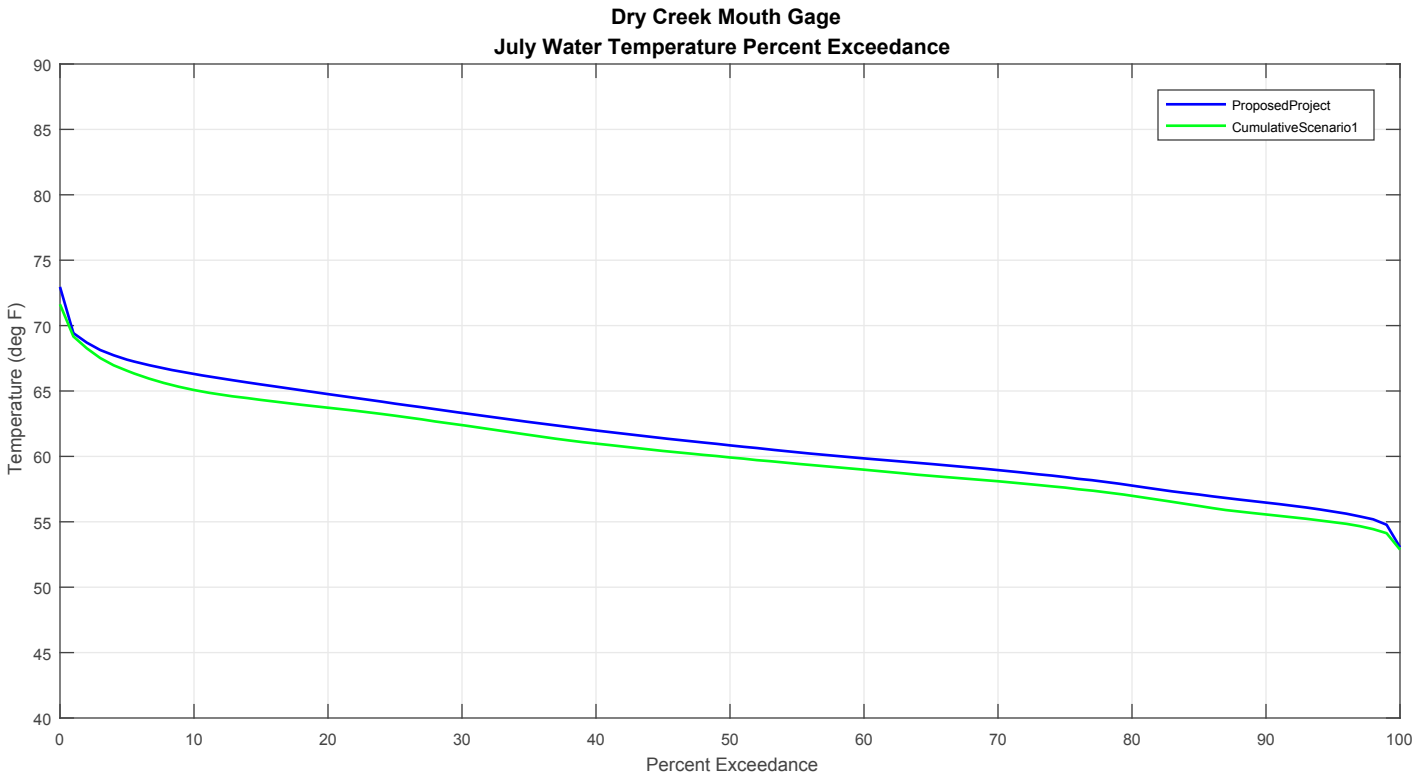
Dry Creek Mouth Gage
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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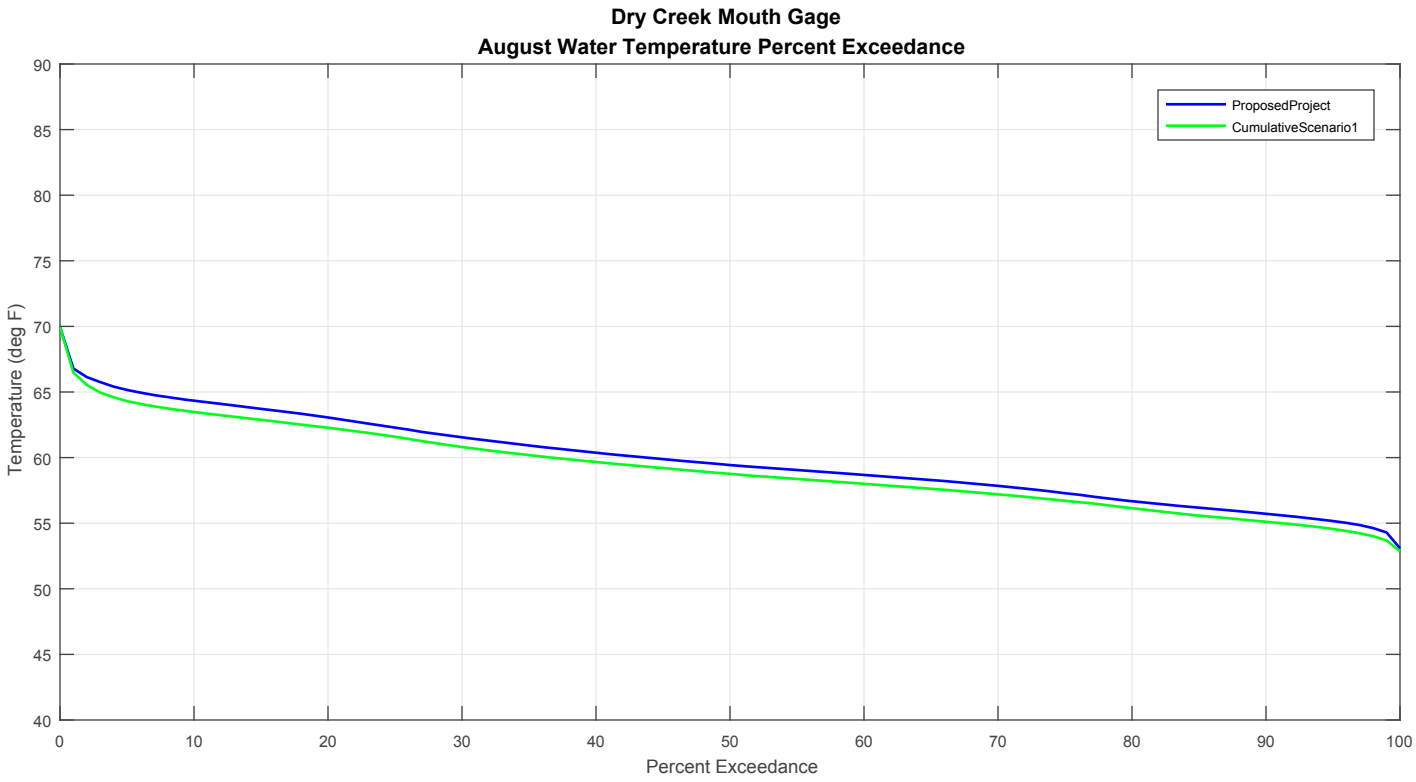
Dry Creek Mouth Gage
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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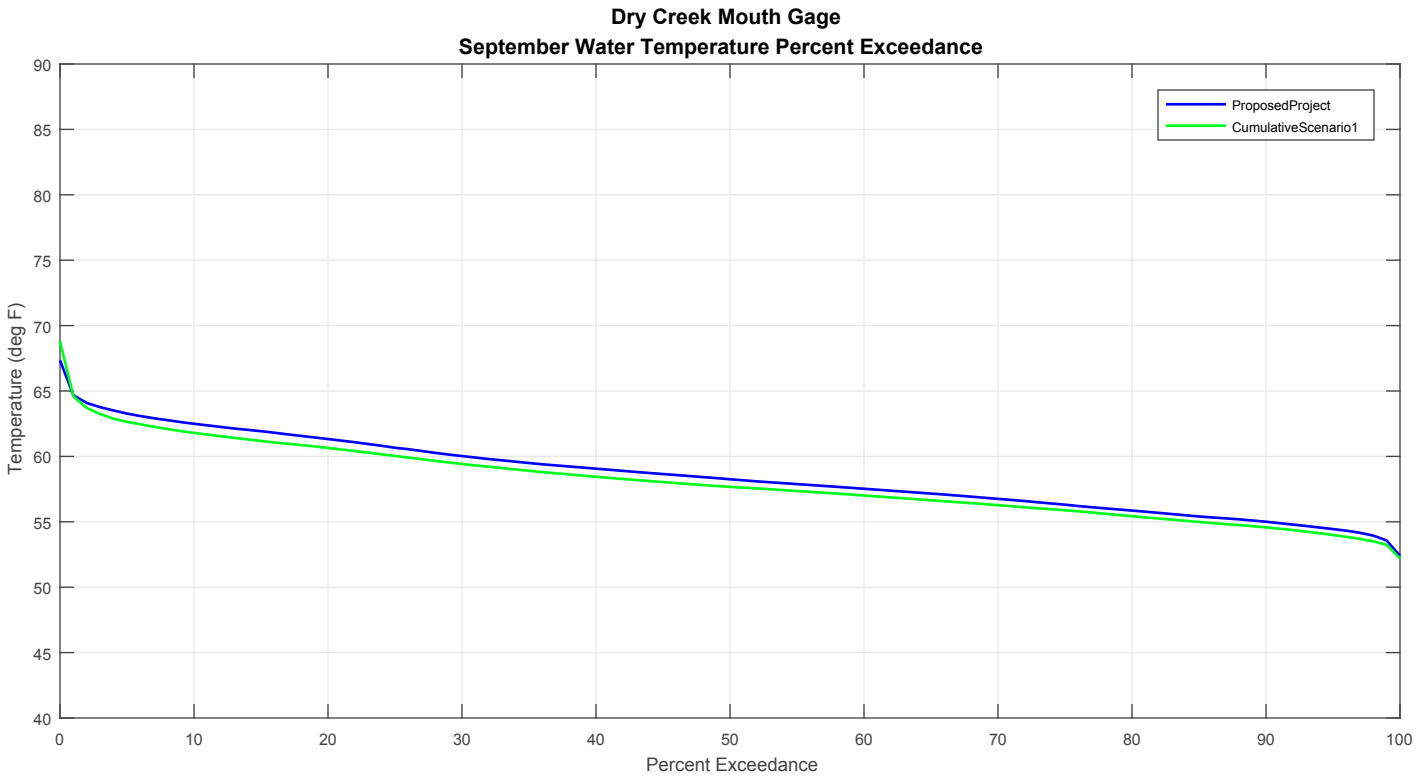
Dry Creek Mouth Gage
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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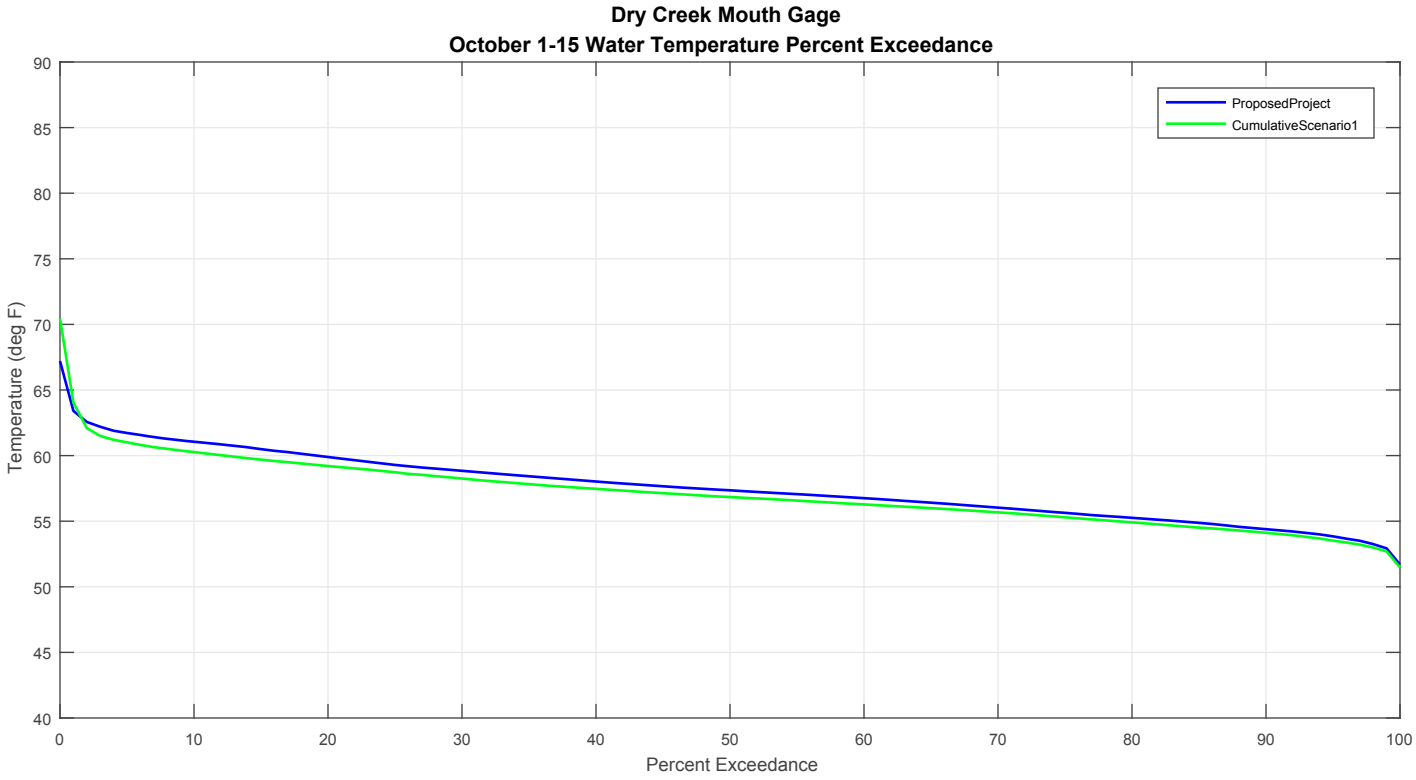
Dry Creek Mouth Gage
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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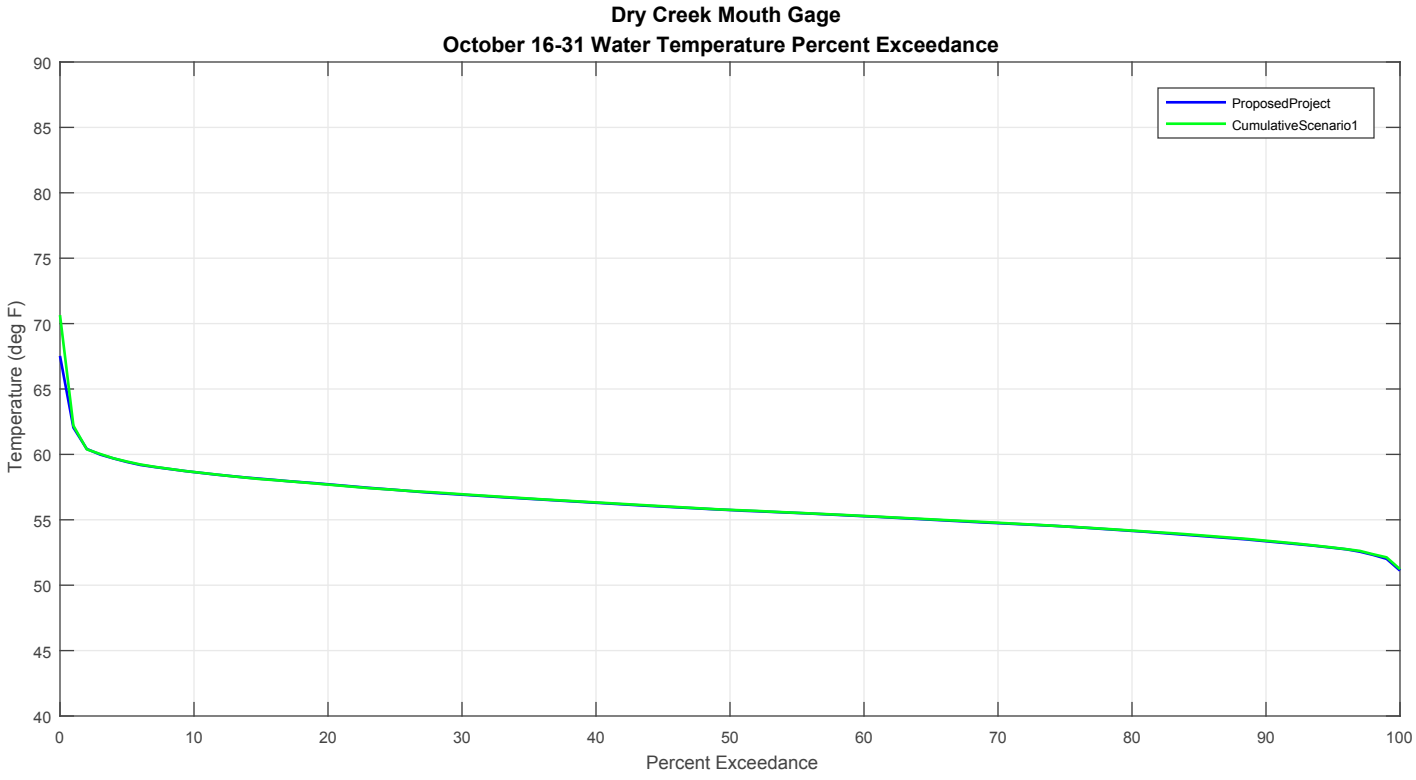
Dry Creek Mouth Gage
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario1
Temperature (deg F)
Percent Exceedance
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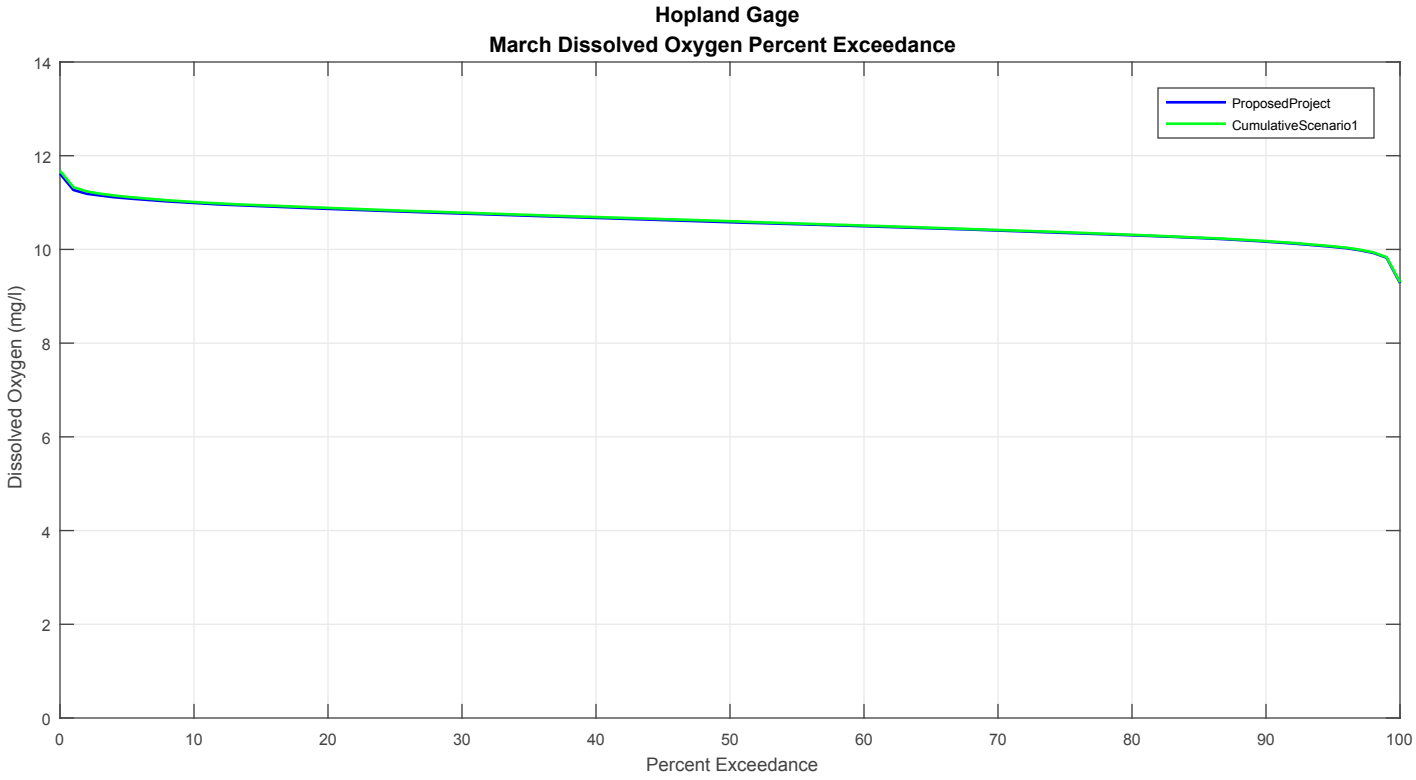
Hopland Gage
March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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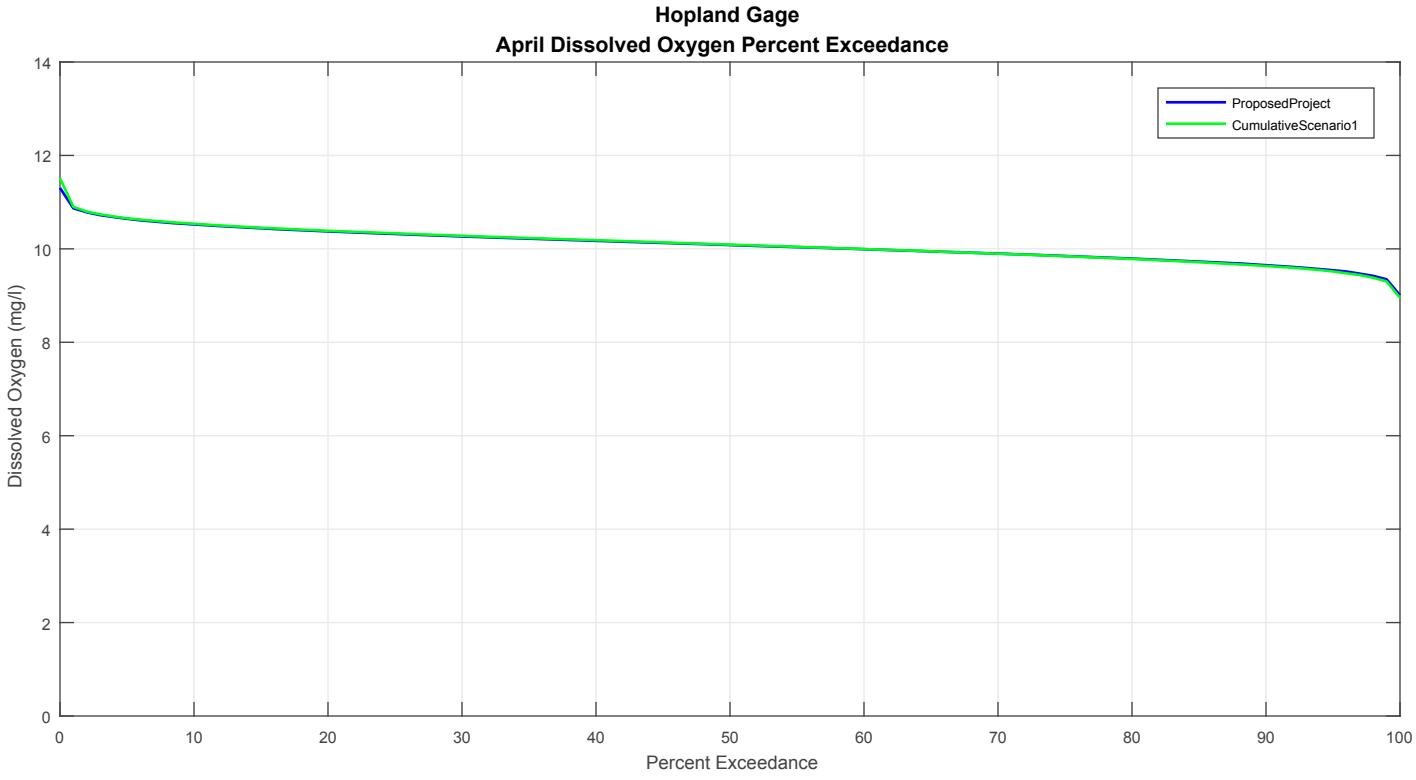
Hopland Gage
April Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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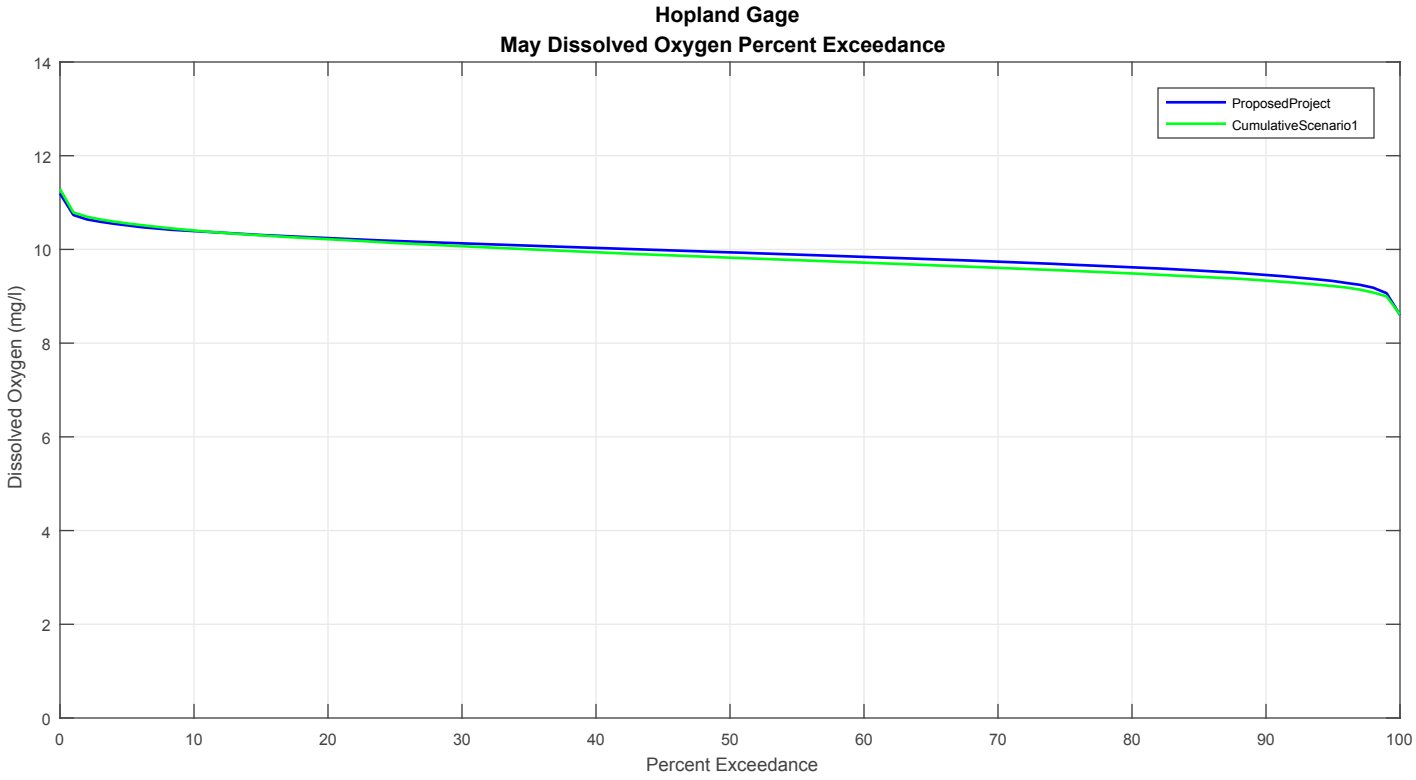
Hopland Gage
May Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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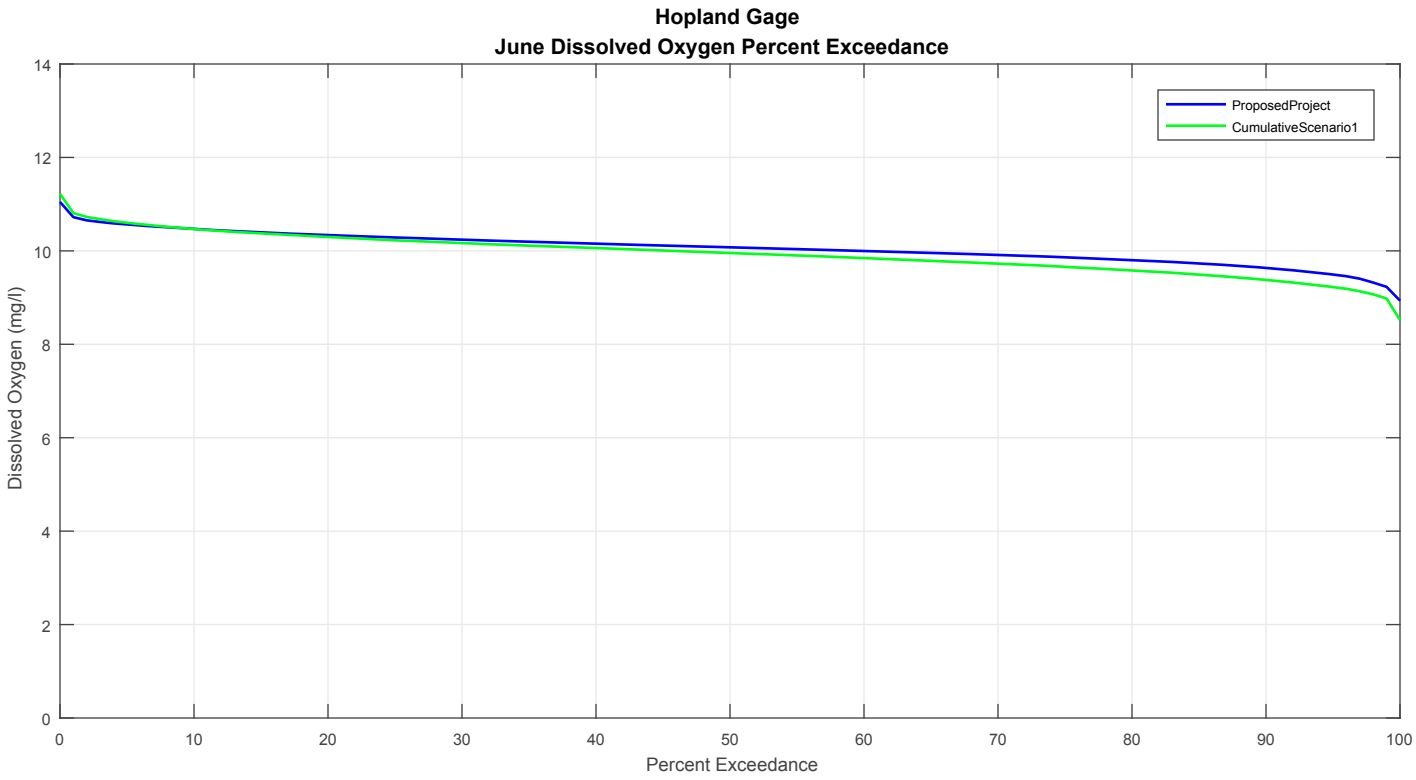
Hopland Gage
June Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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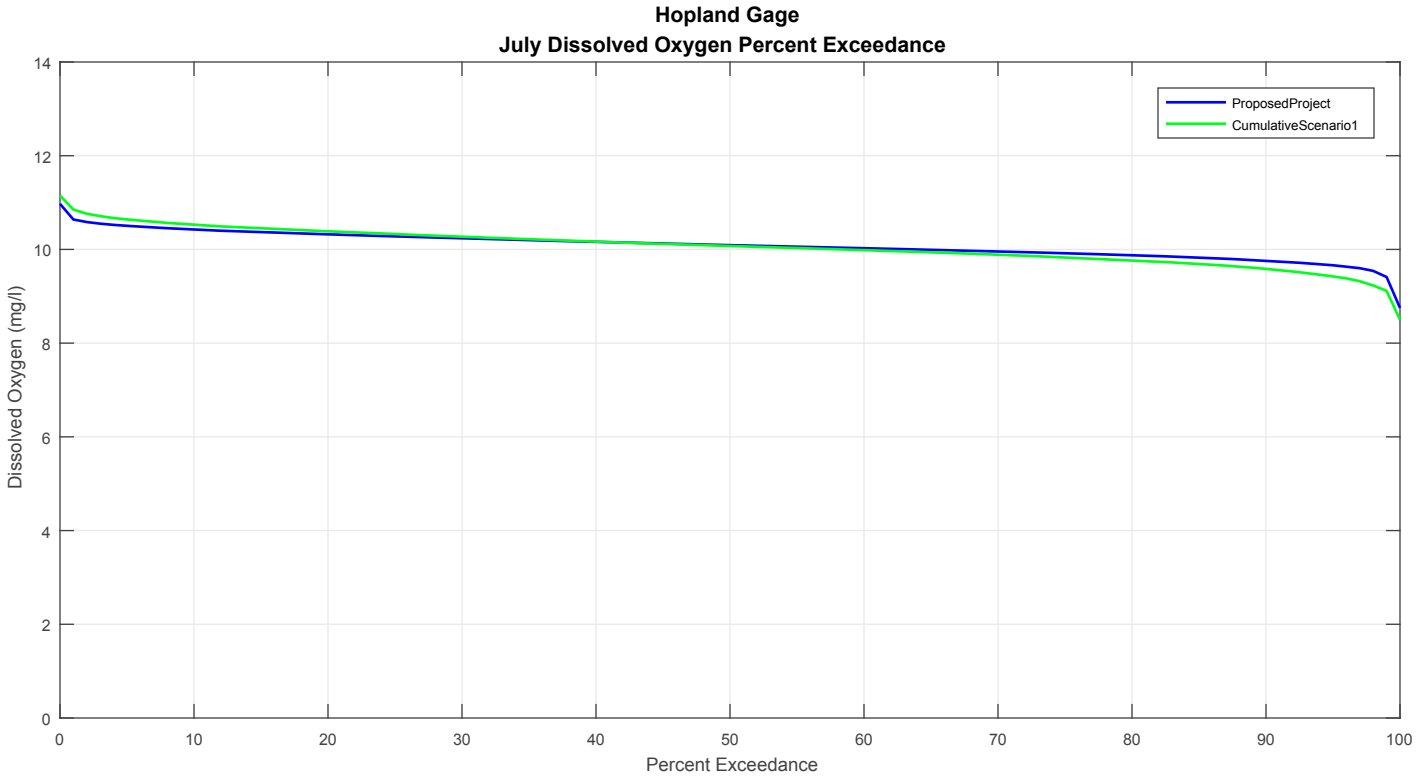
Hopland Gage
July Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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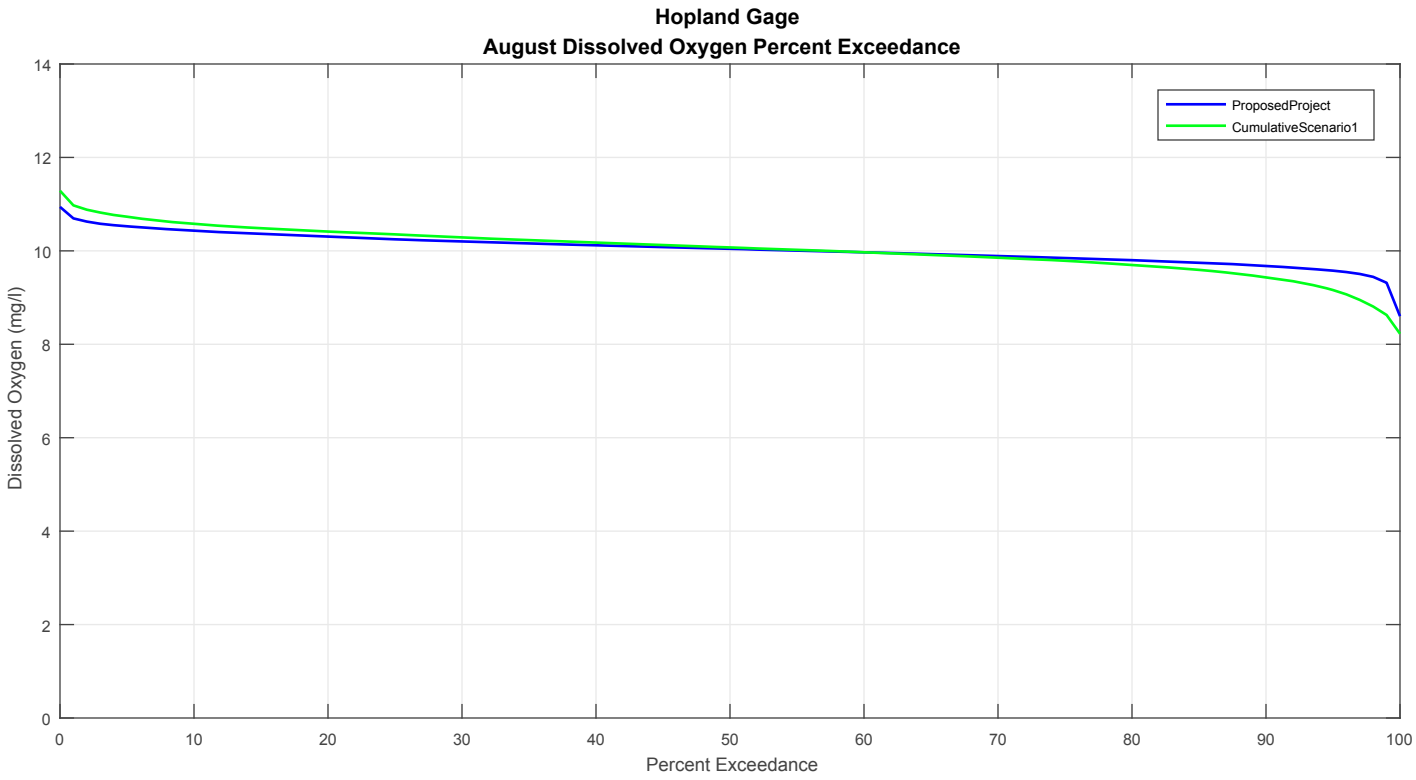
Hopland Gage
August Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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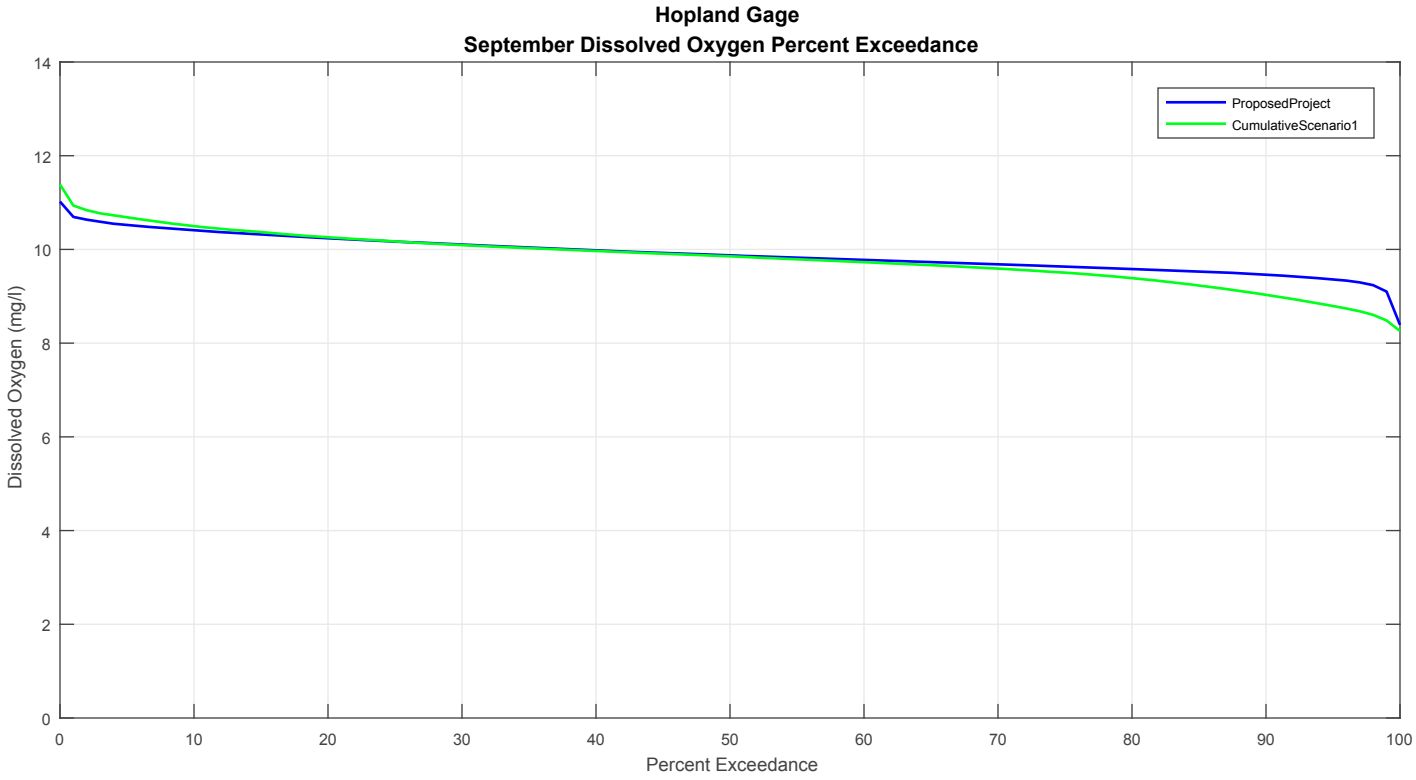
Hopland Gage
September Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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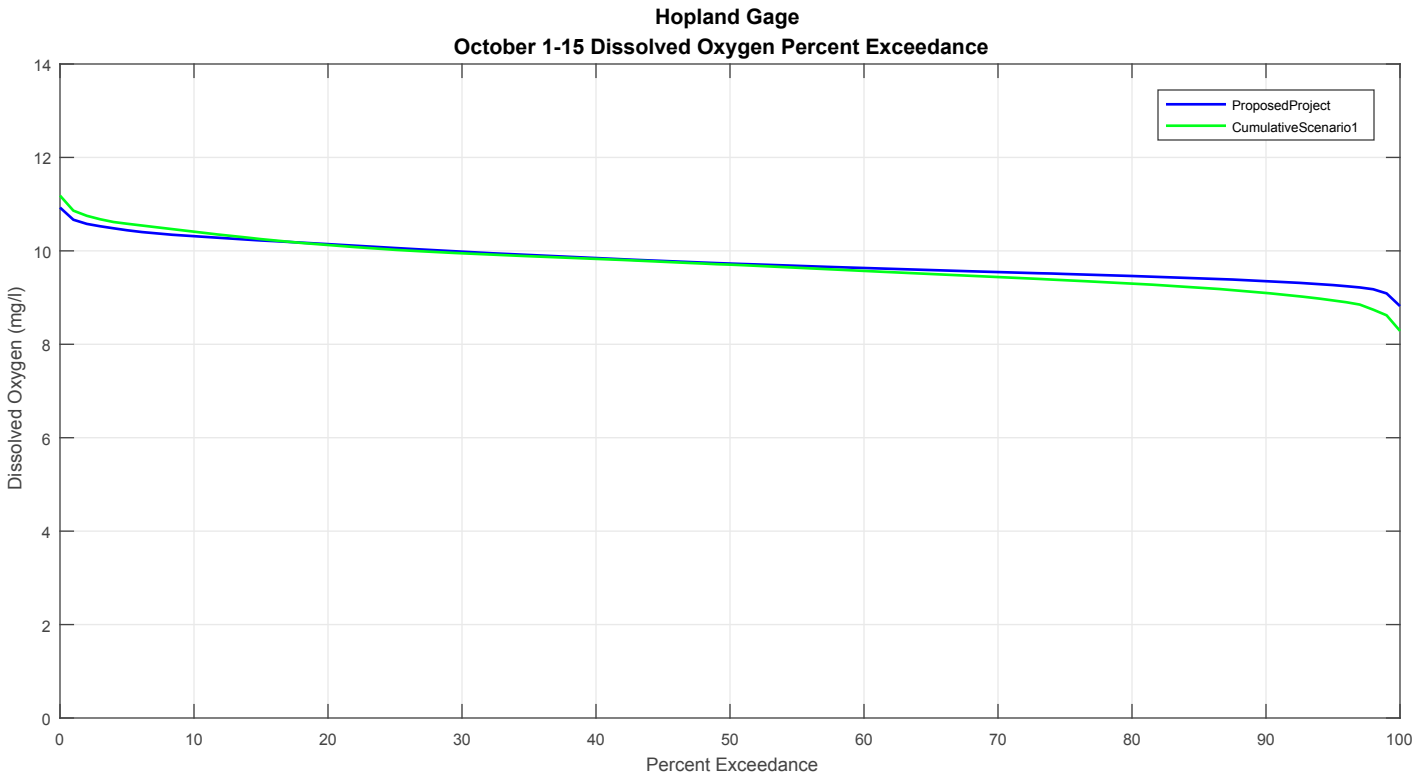
Hopland Gage
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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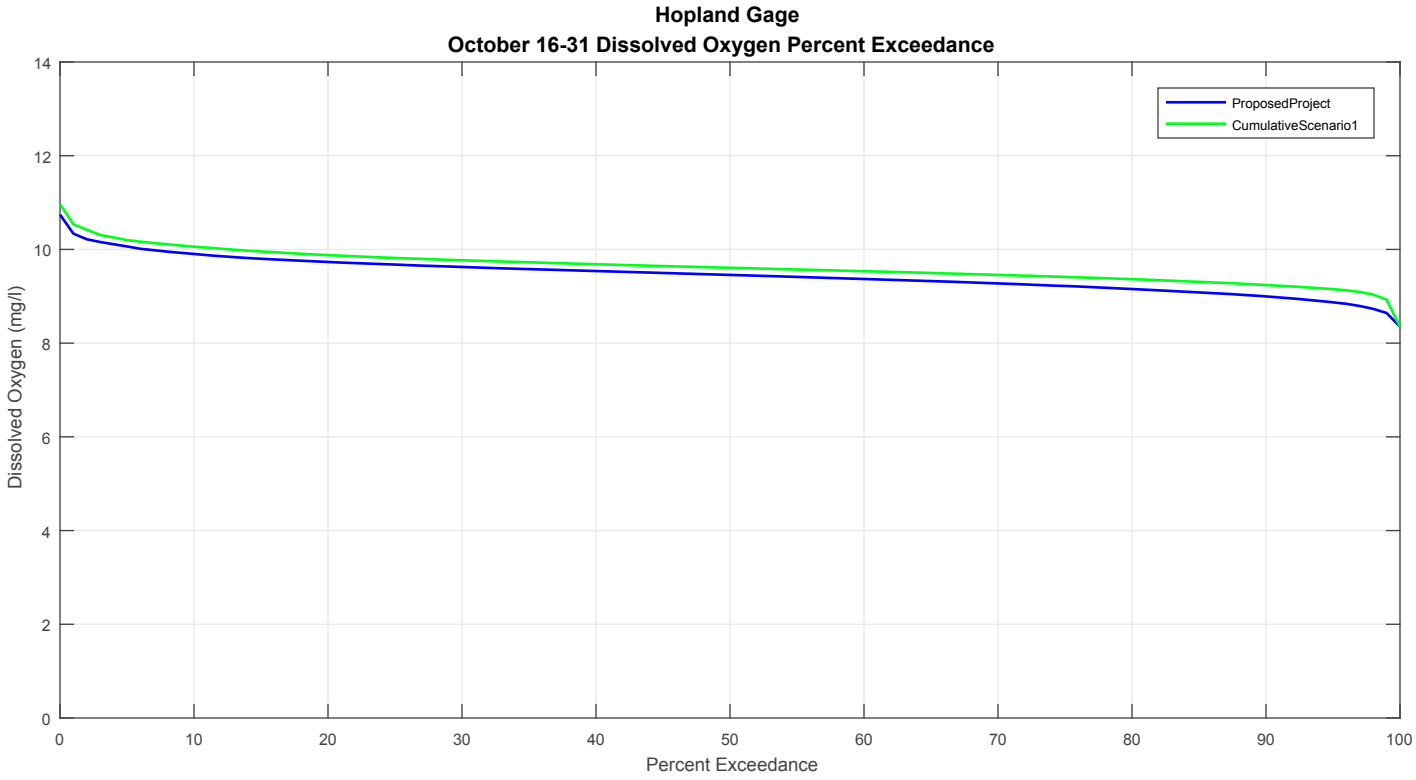
Hopland Gage
October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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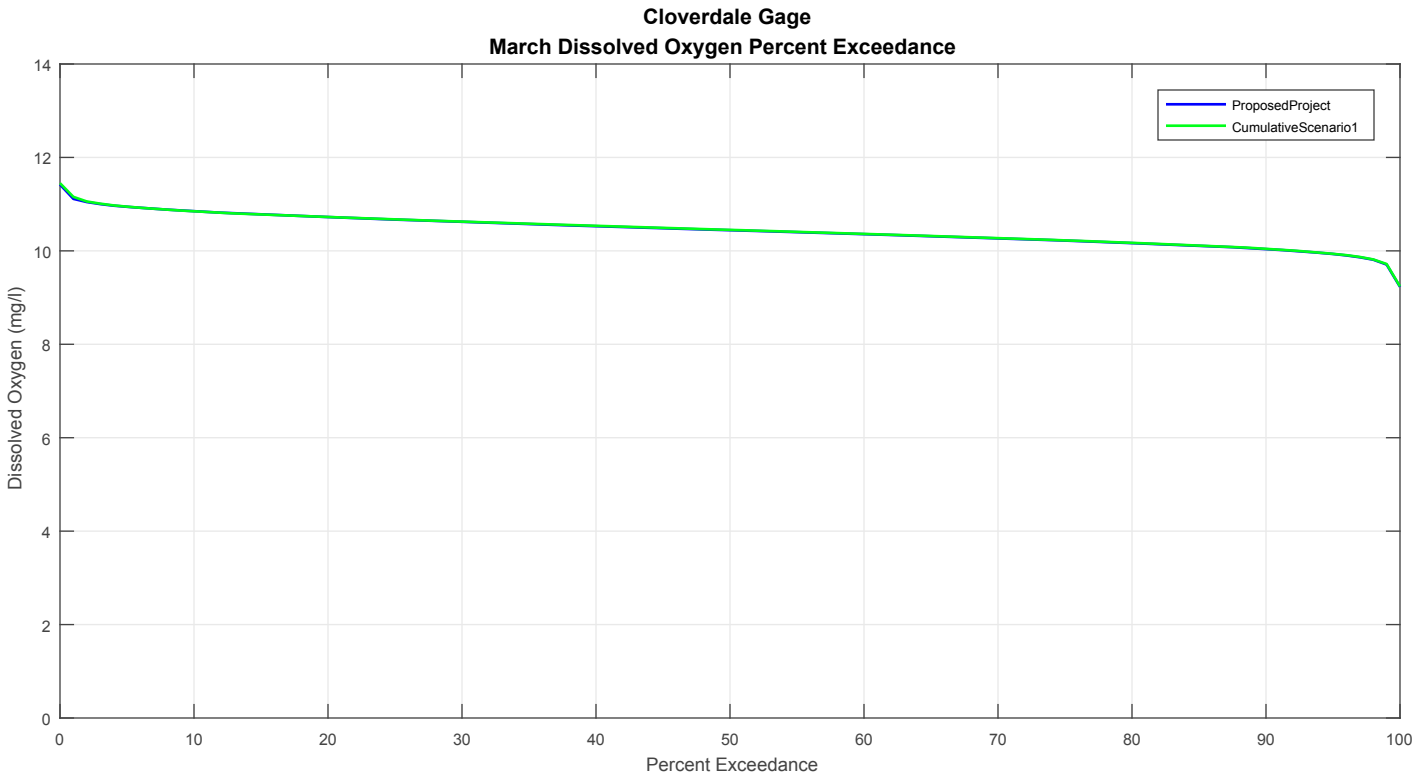
Cloverdale Gage
March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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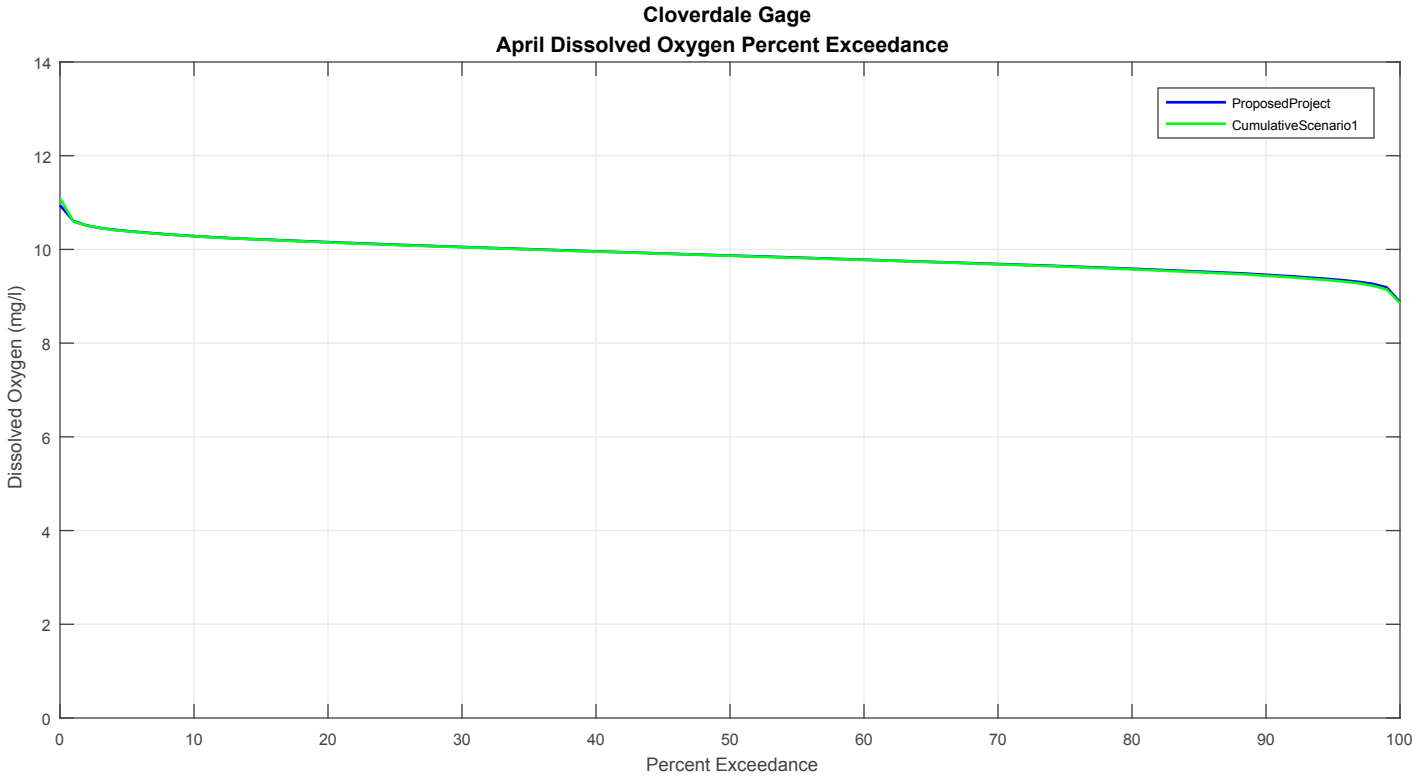
Cloverdale Gage
April Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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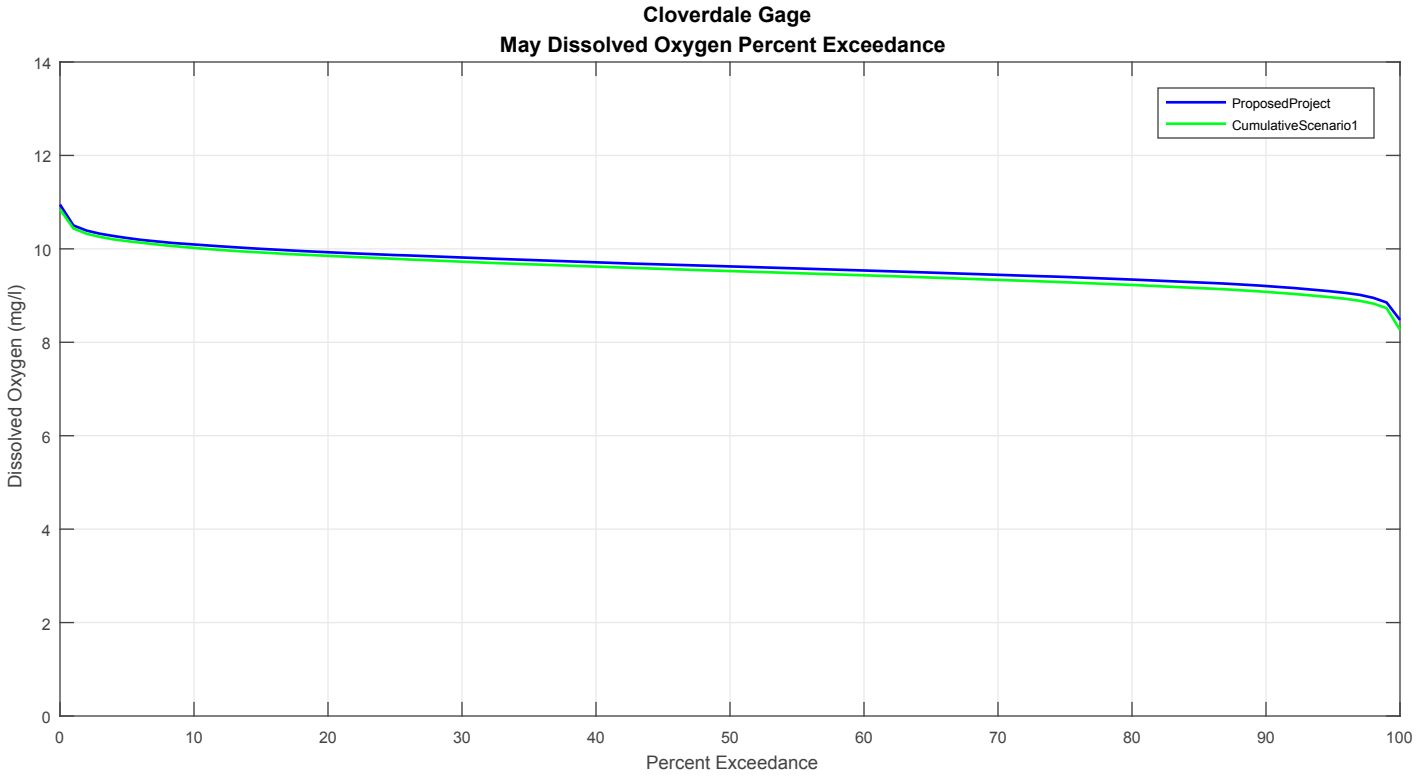
Cloverdale Gage
May Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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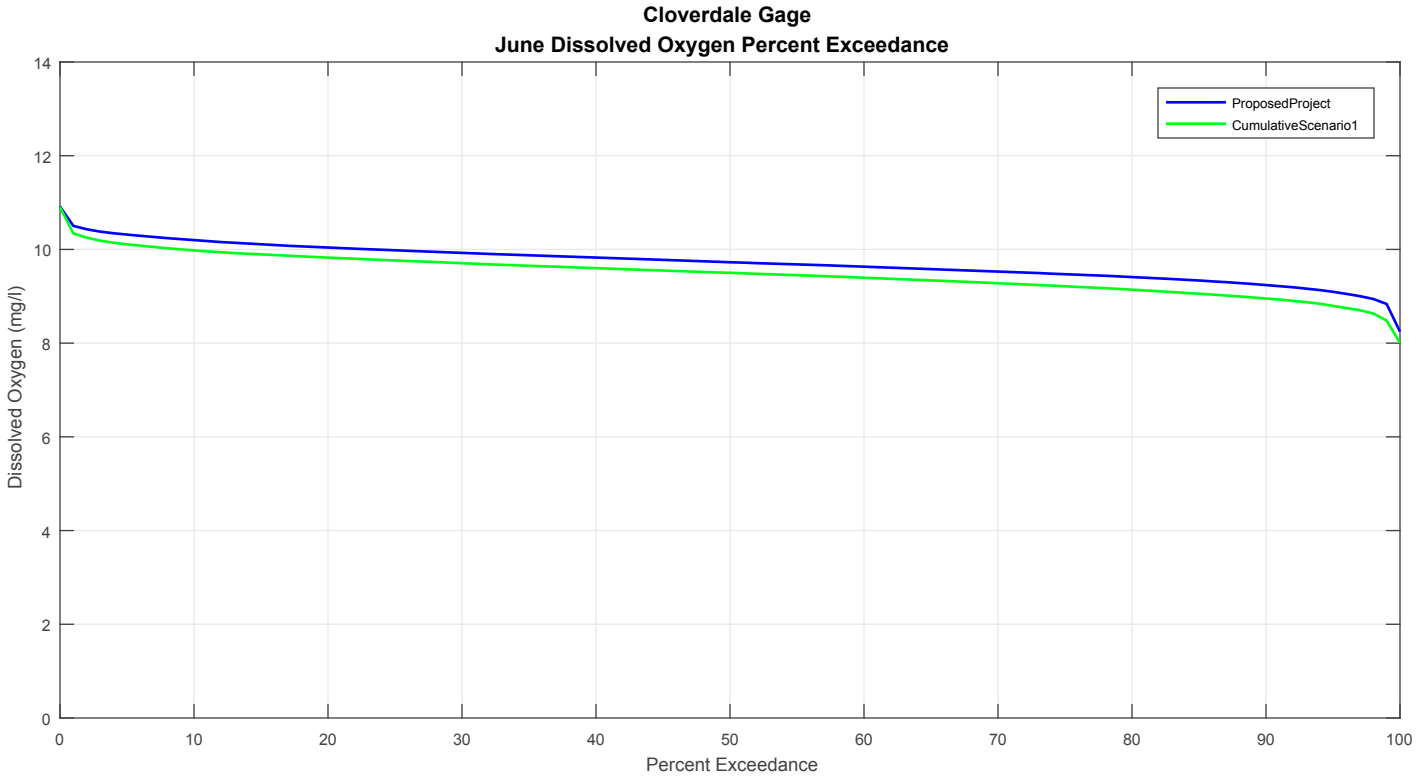
Cloverdale Gage
June Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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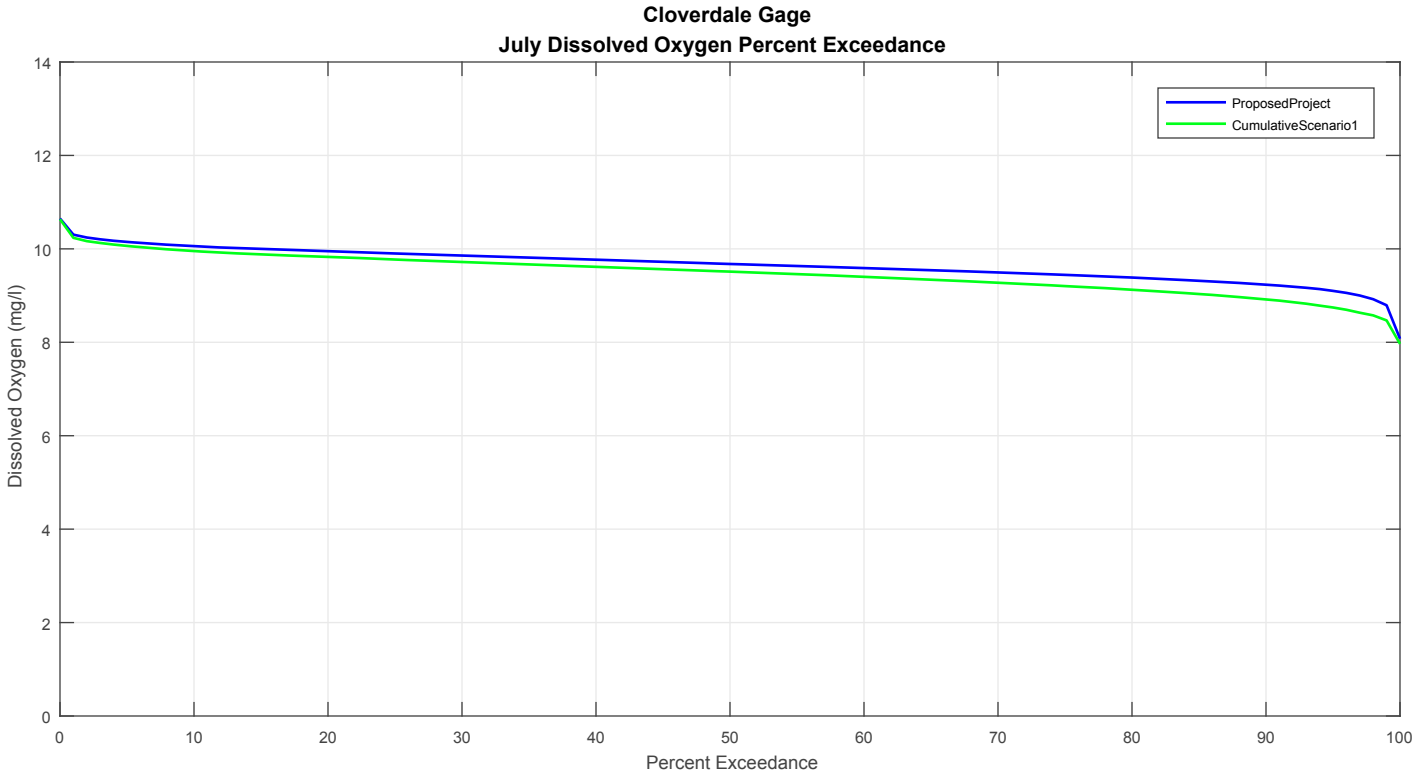
Cloverdale Gage
July Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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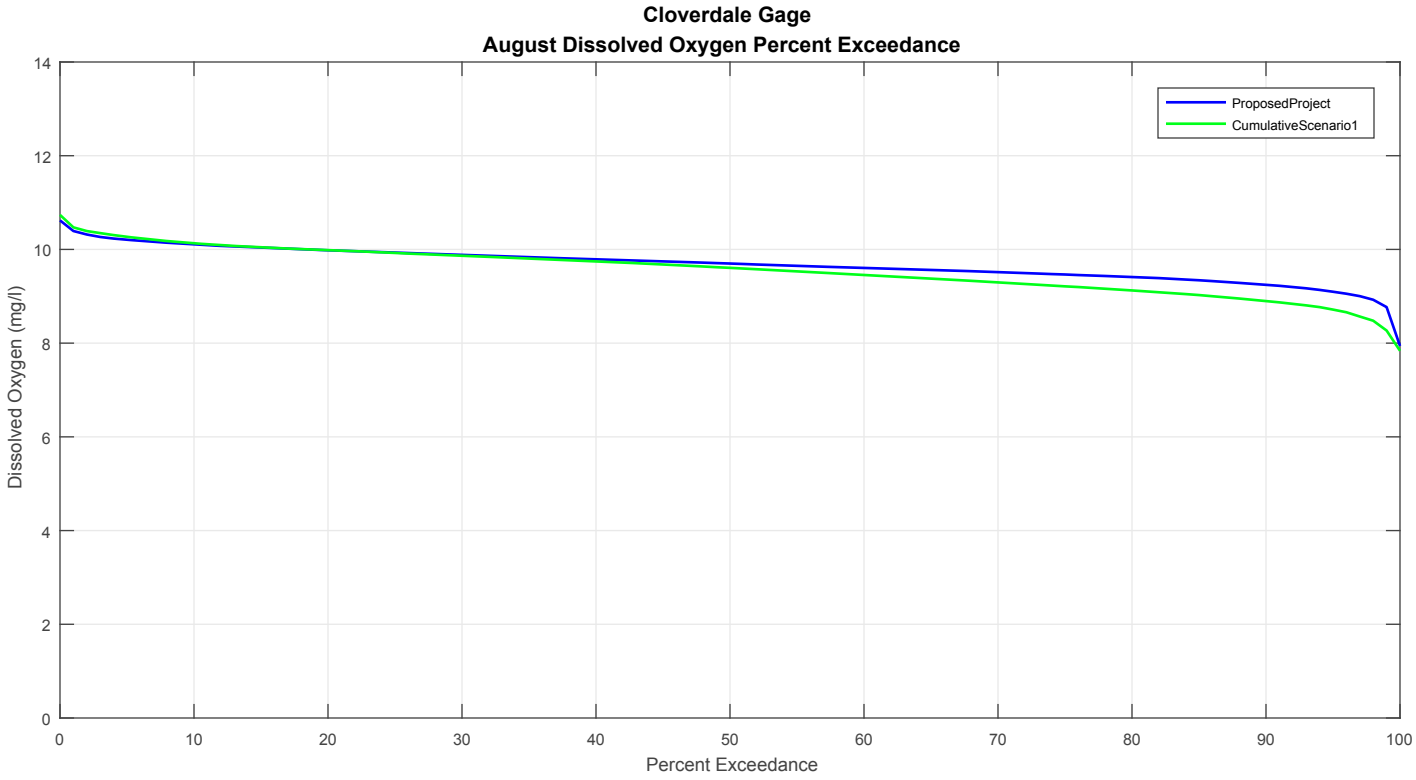
Cloverdale Gage
August Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
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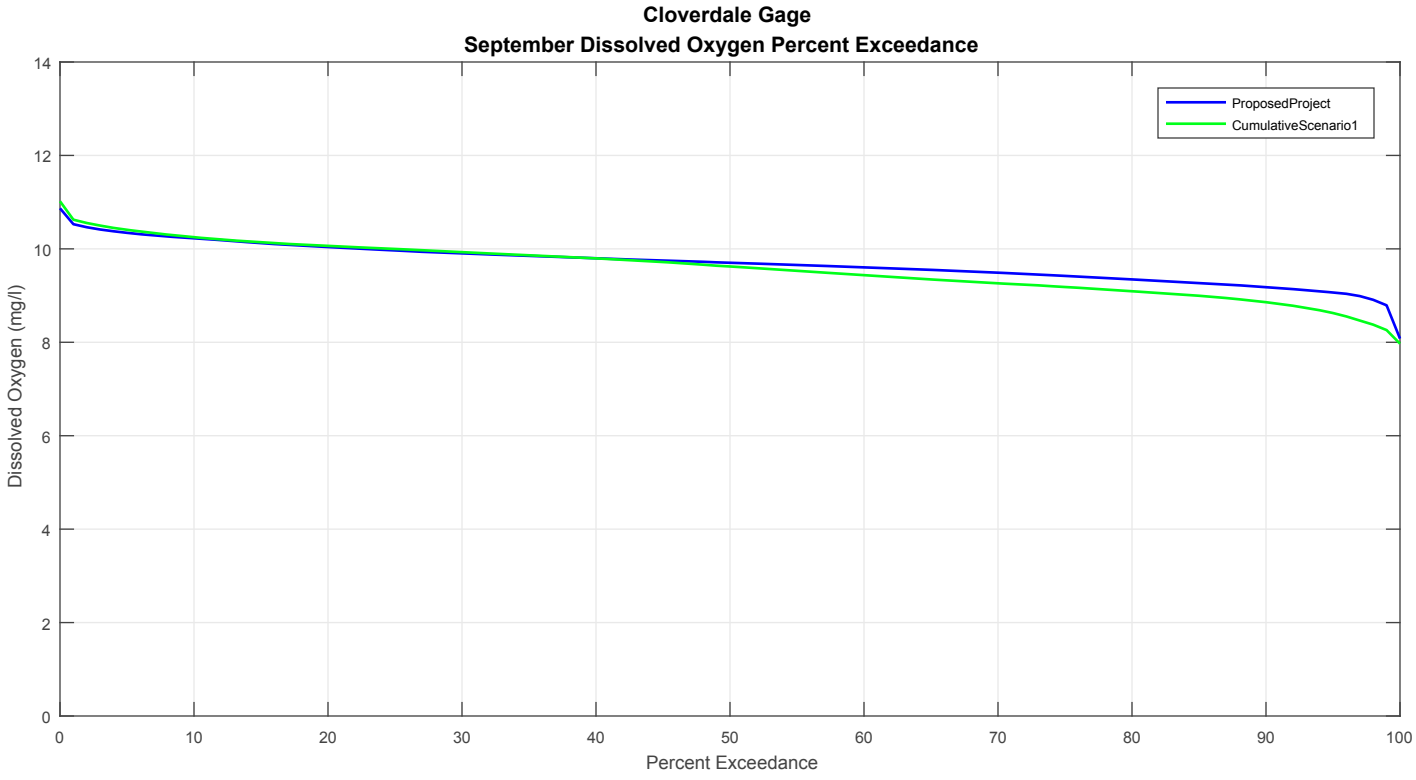
Cloverdale Gage
September Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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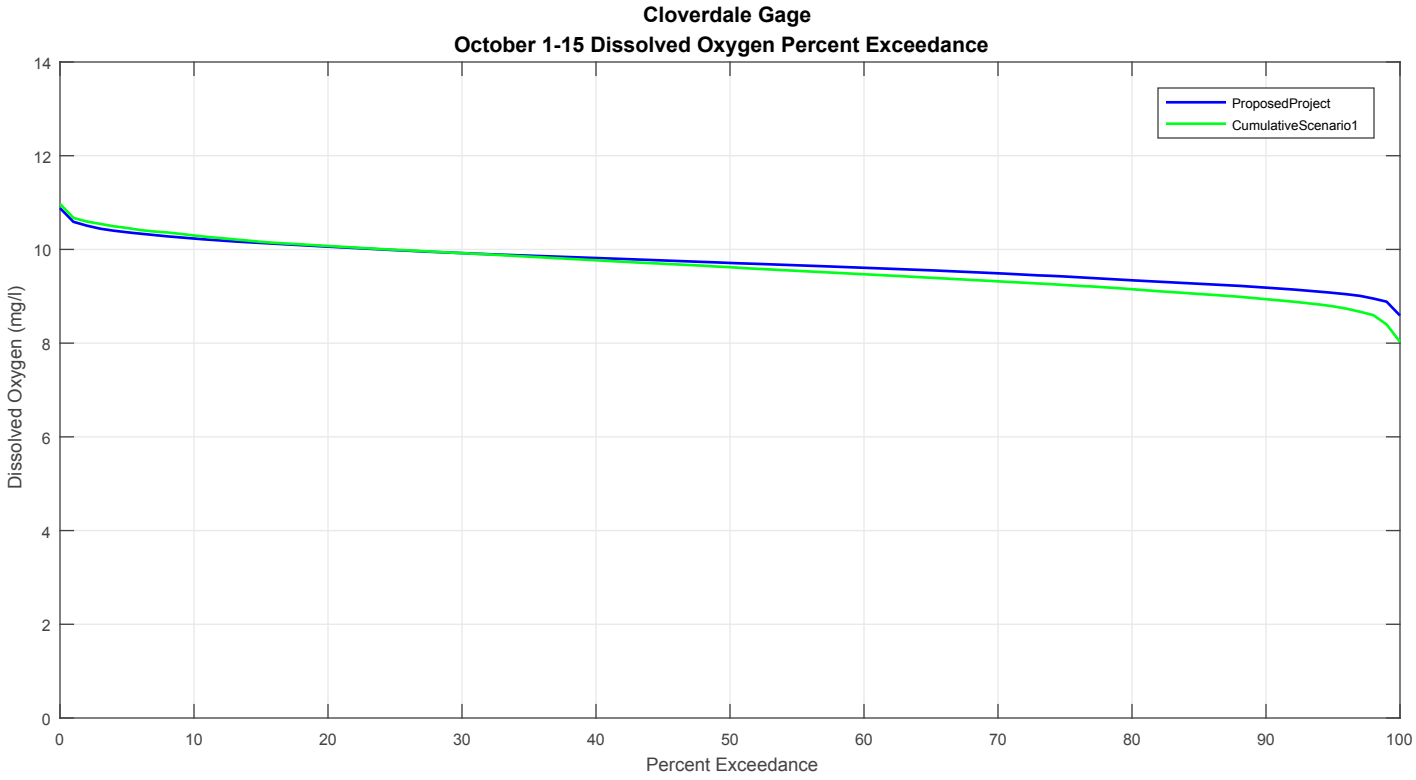
Cloverdale Gage
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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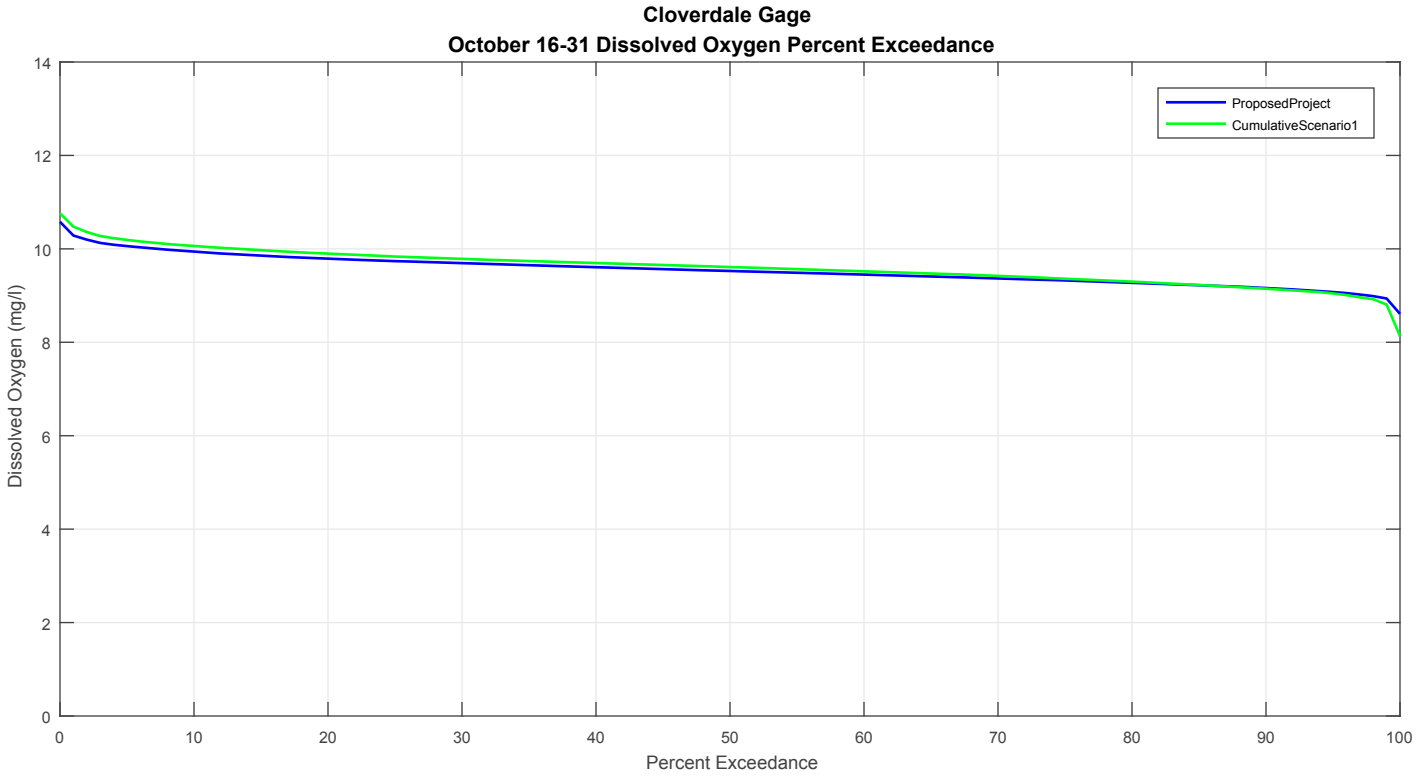
Cloverdale Gage
October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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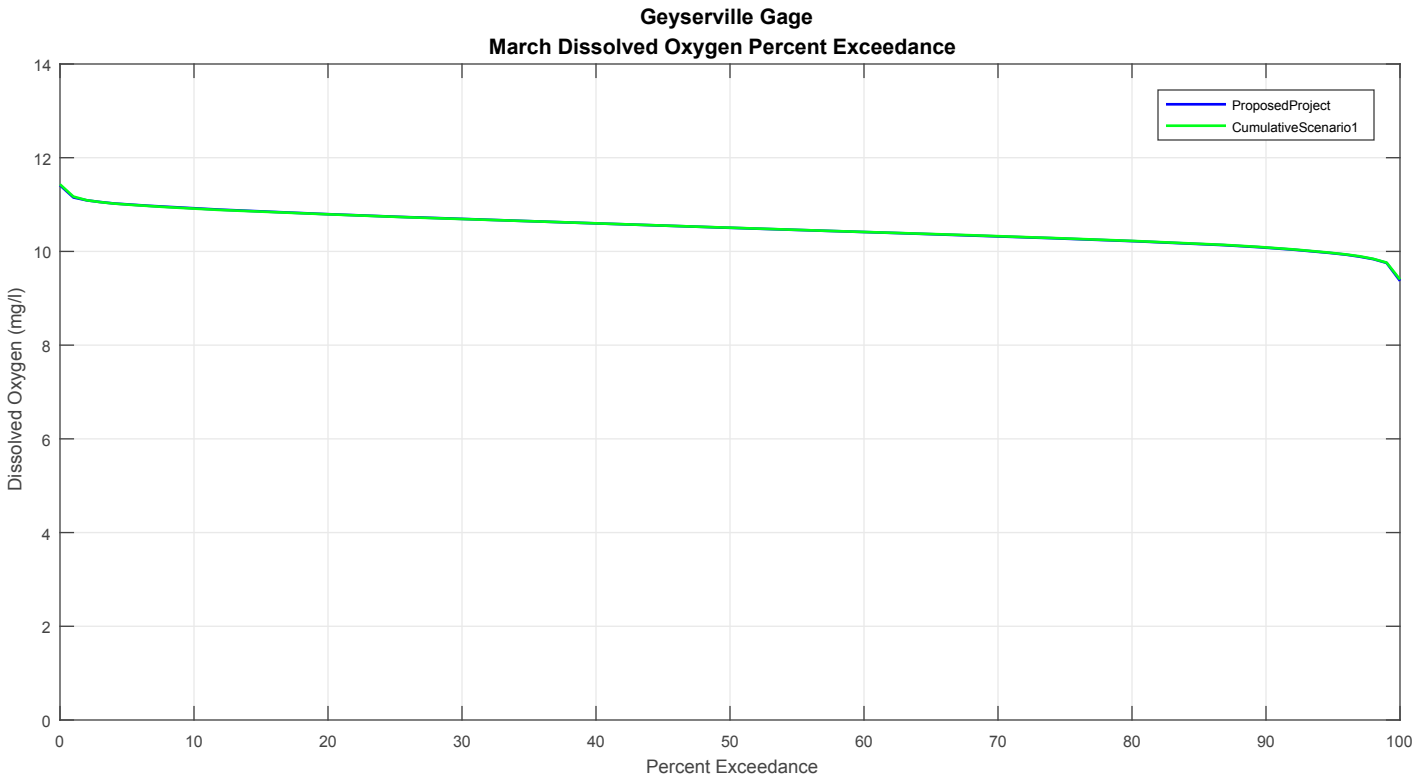
Geyserville Gage
March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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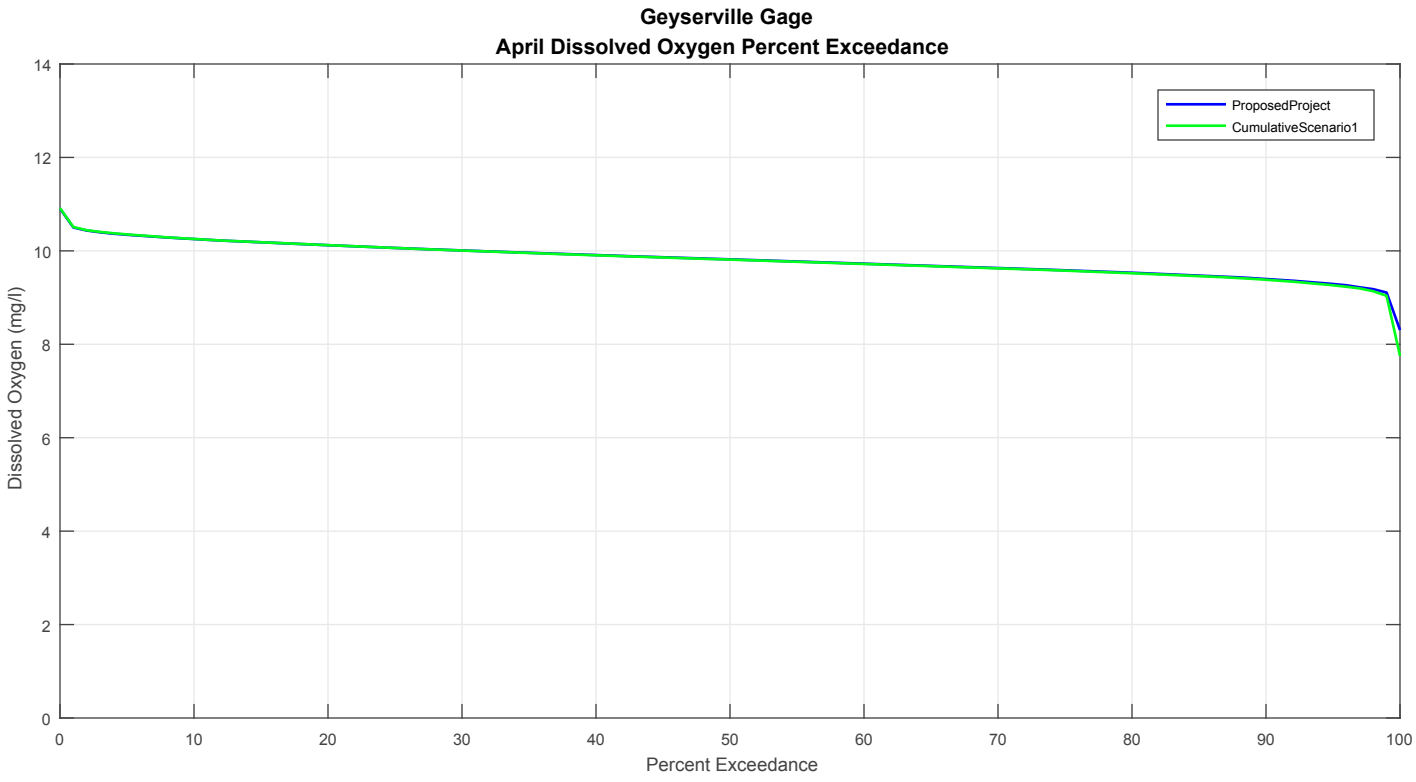
Geyserville Gage
April Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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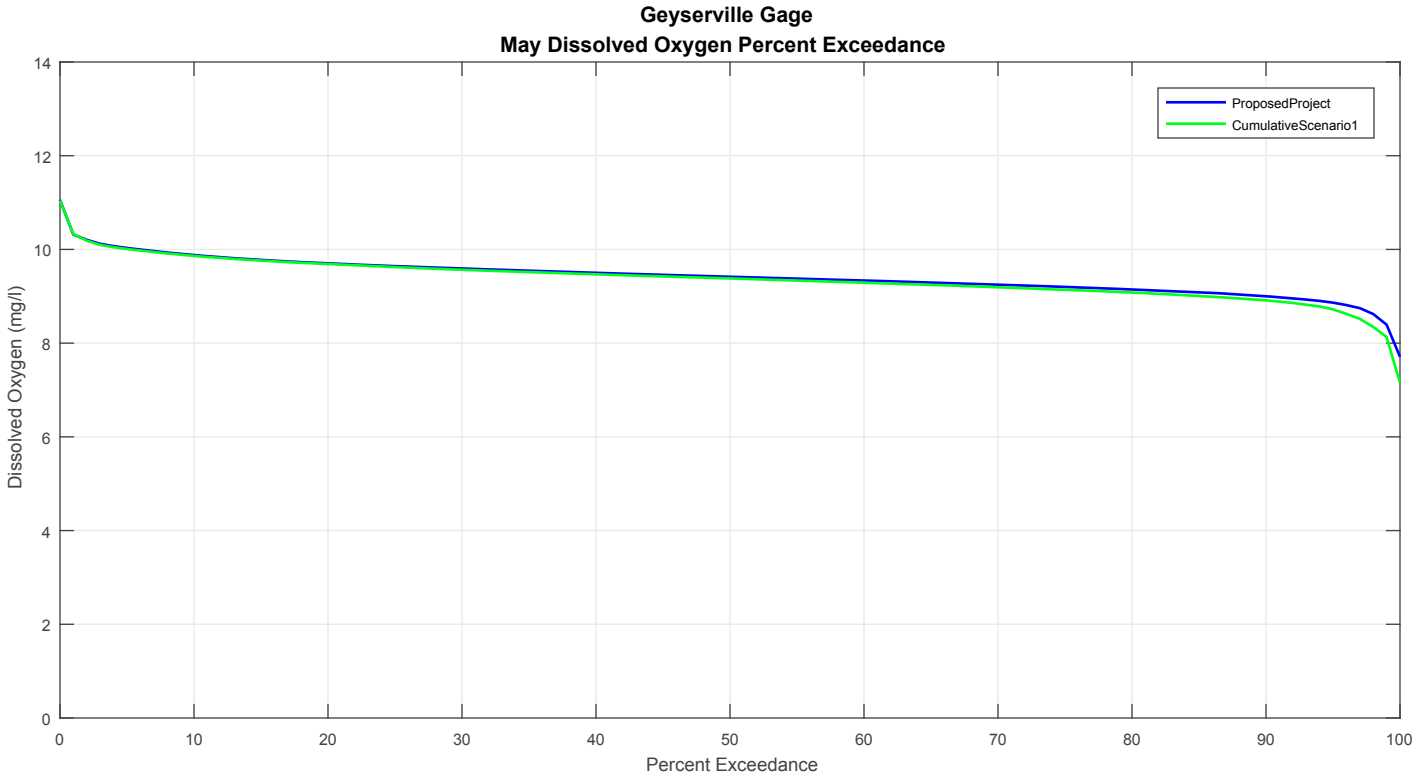
Geyserville Gage
May Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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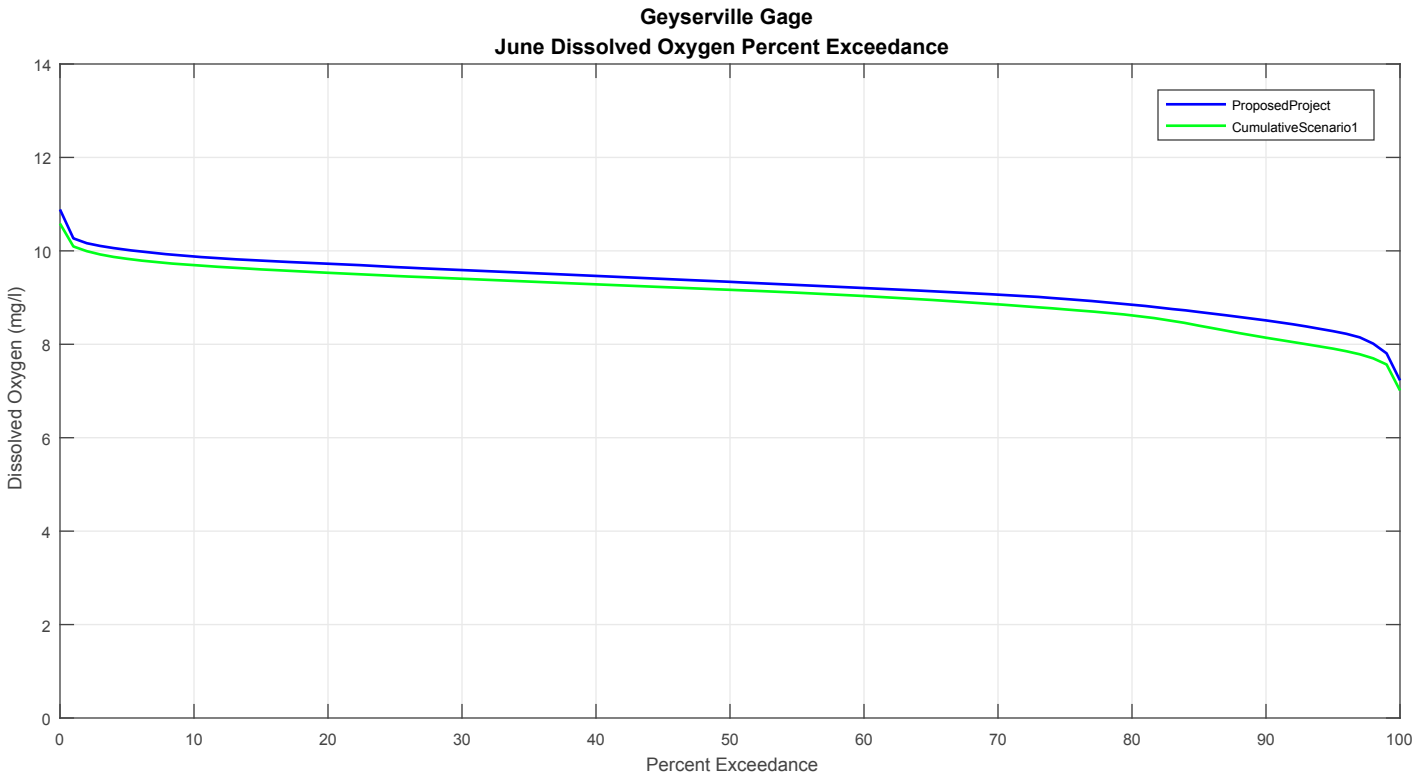
Geyserville Gage
June Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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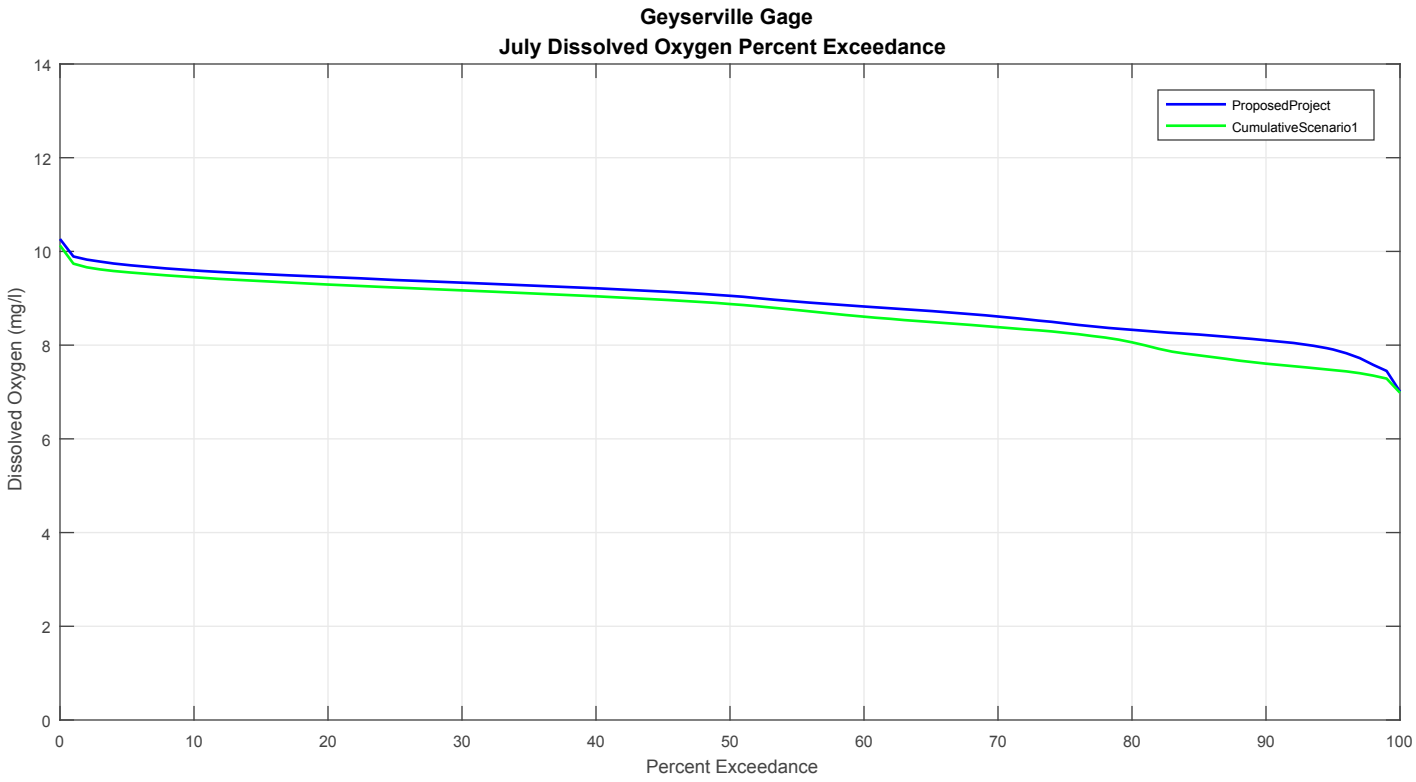
Geyserville Gage
July Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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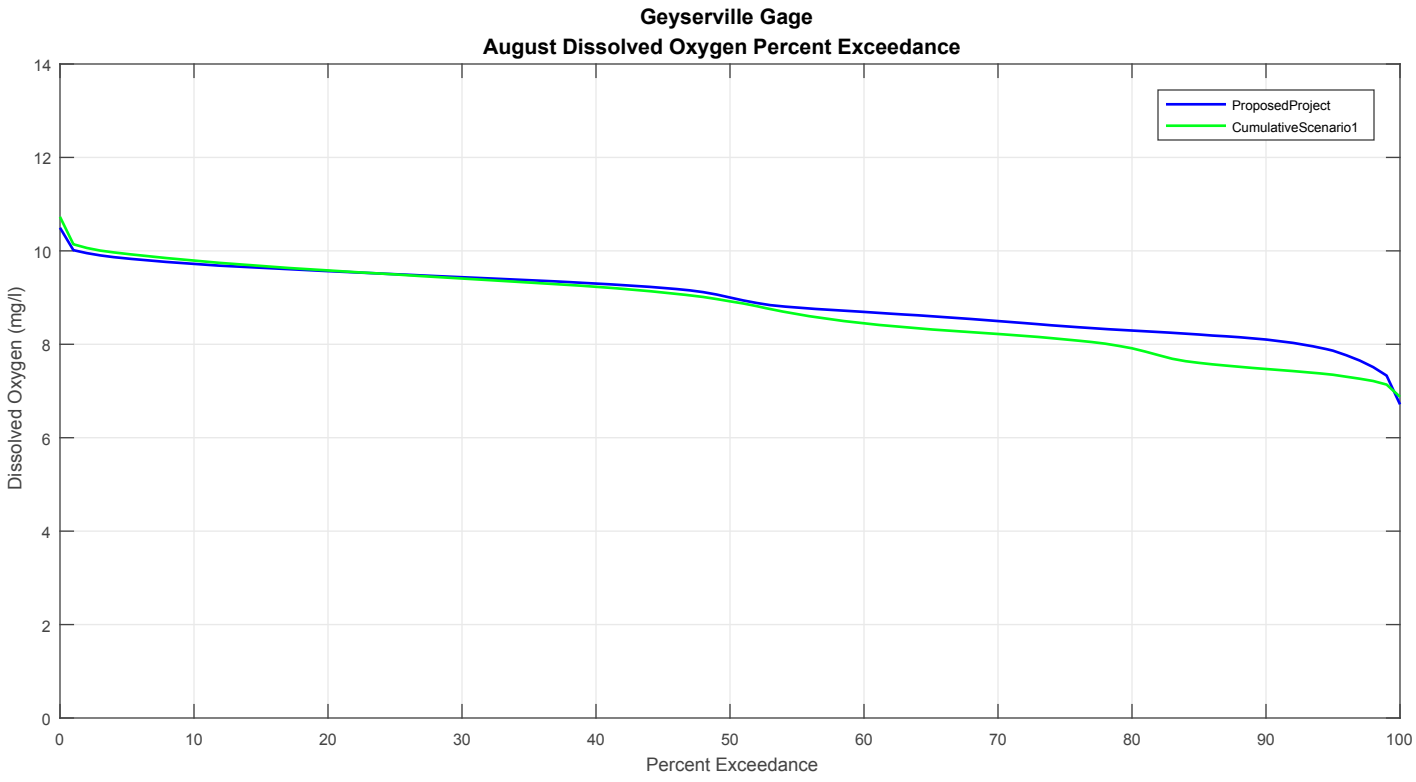
Geyserville Gage
August Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
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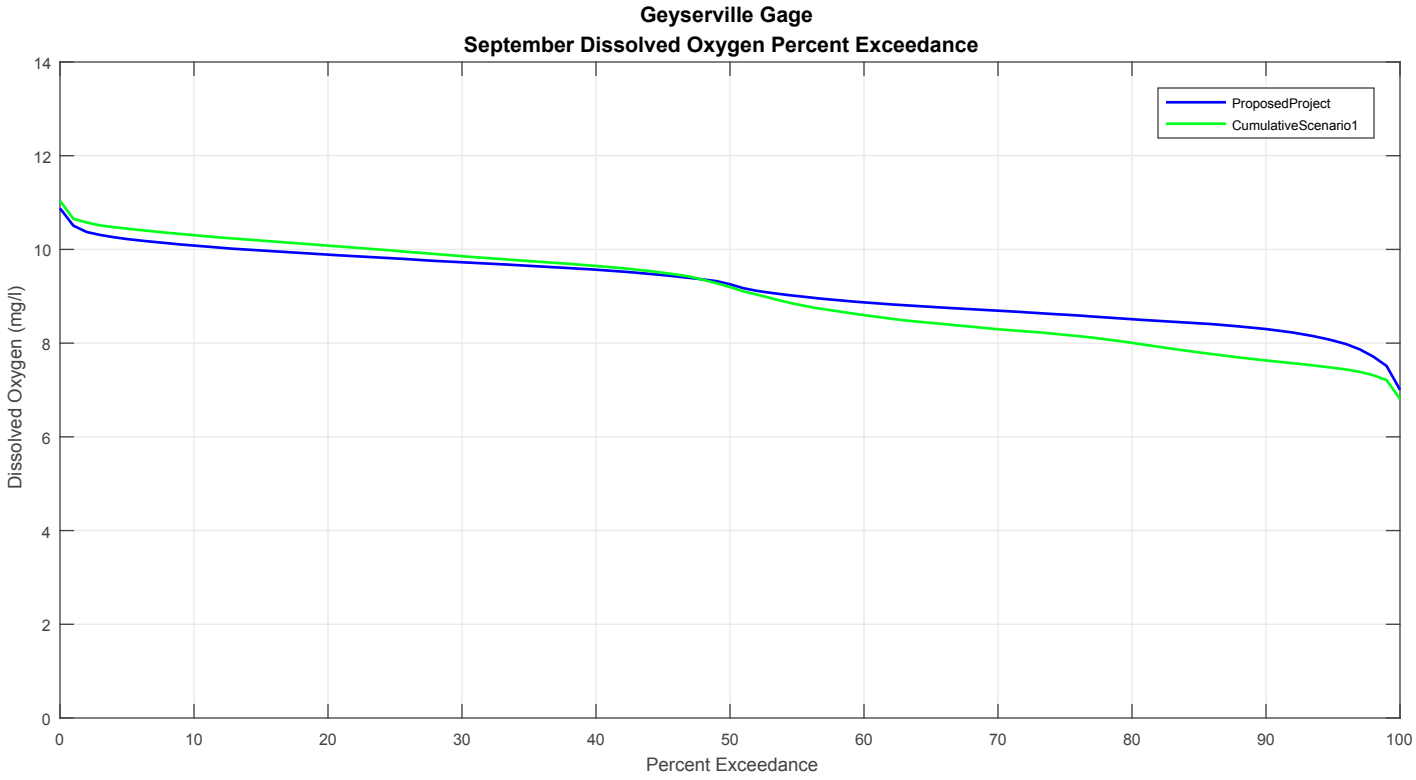
Geyserville Gage
September Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
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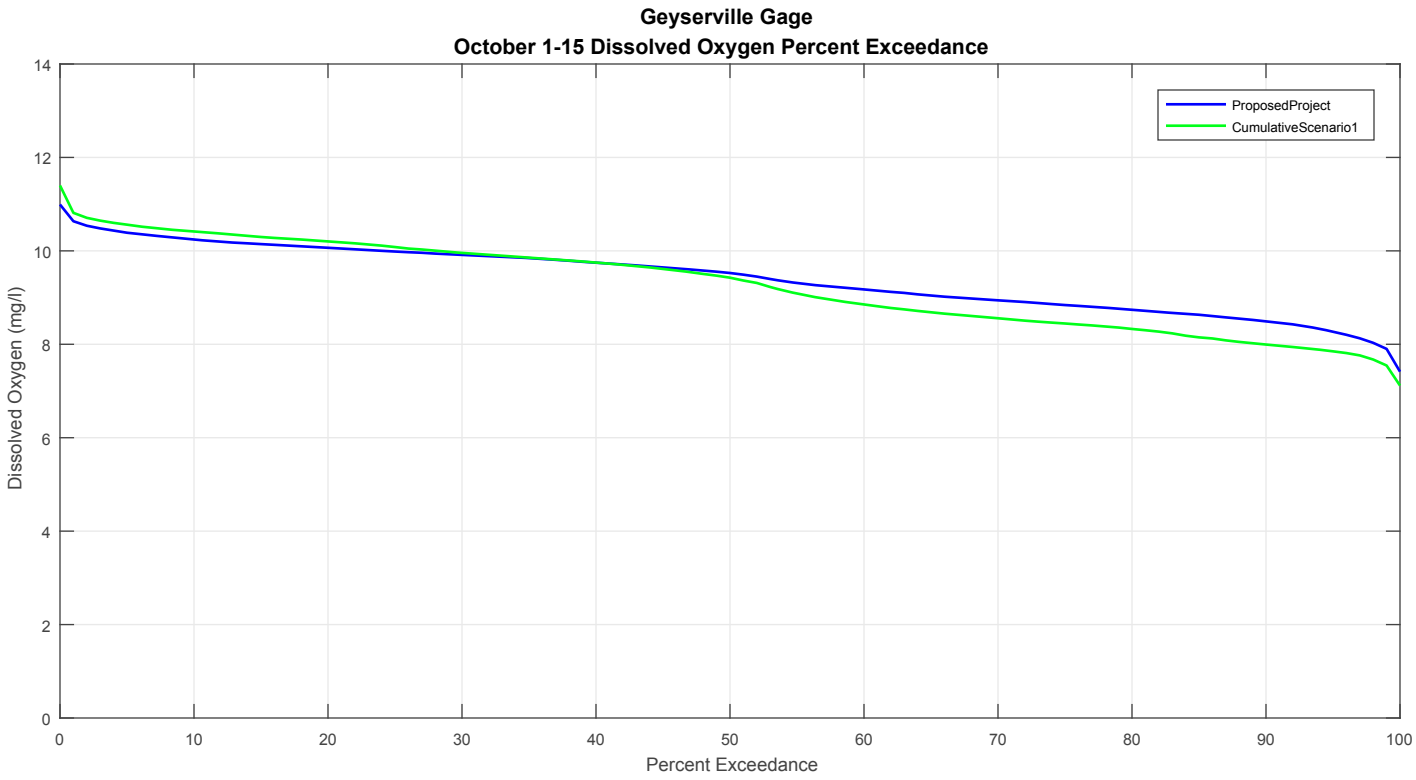
Geyserville Gage
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
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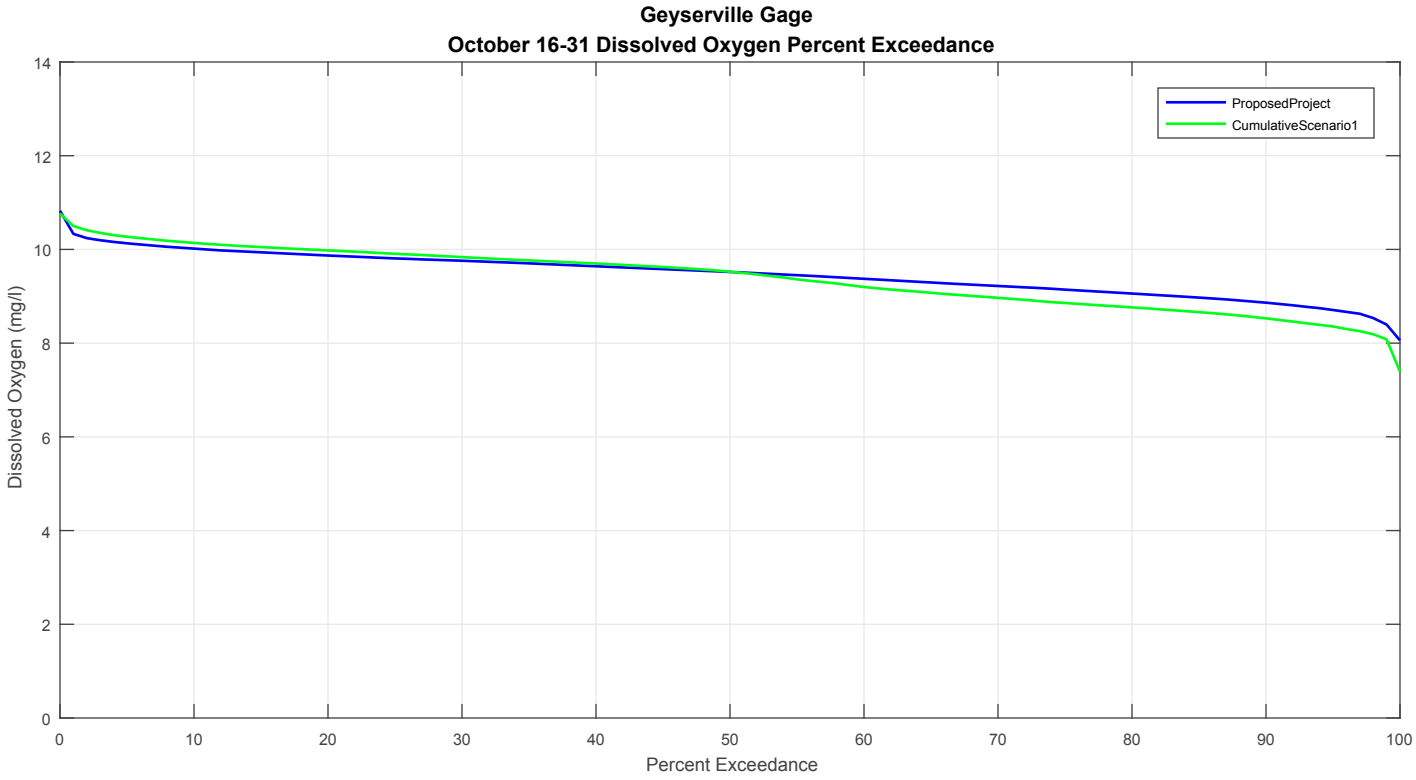
Geyserville Gage
October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
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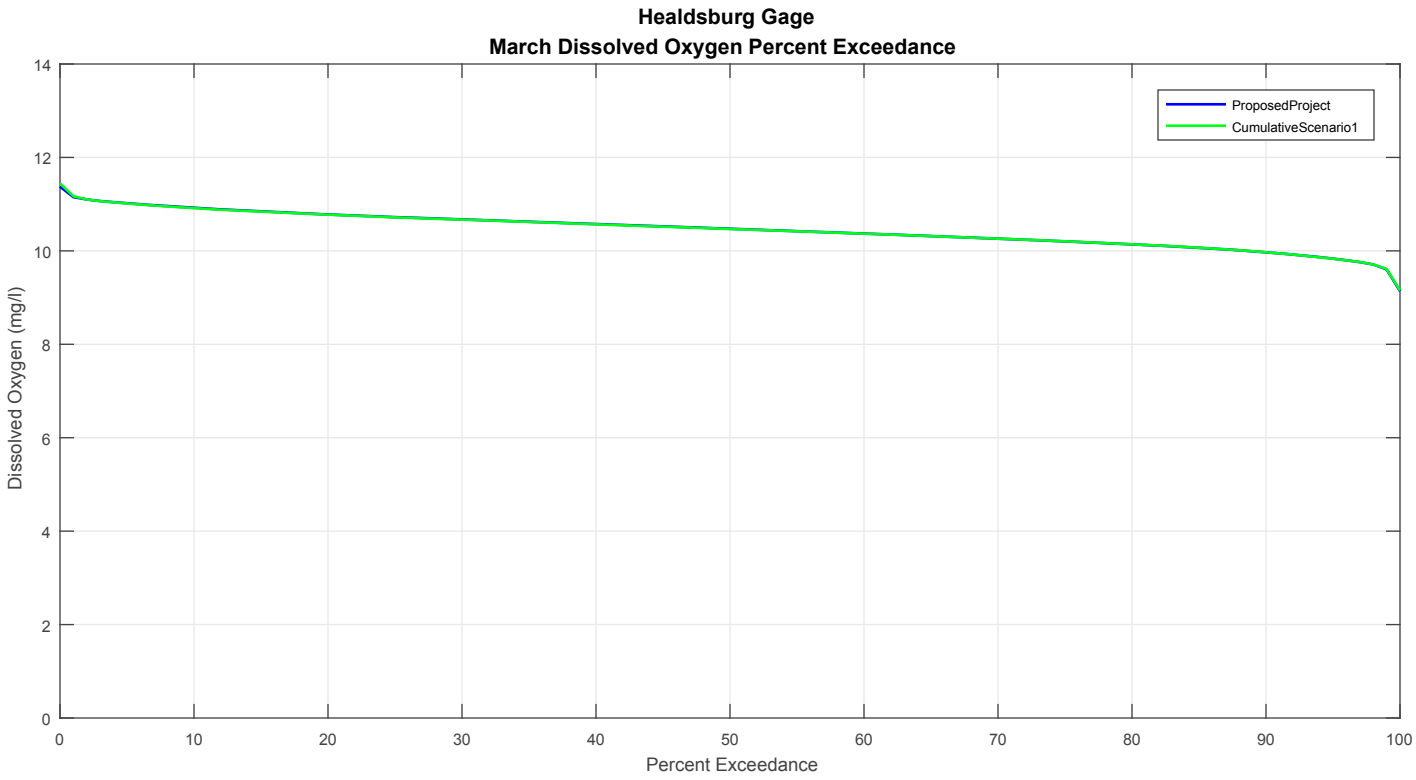
Healdsburg Gage
March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
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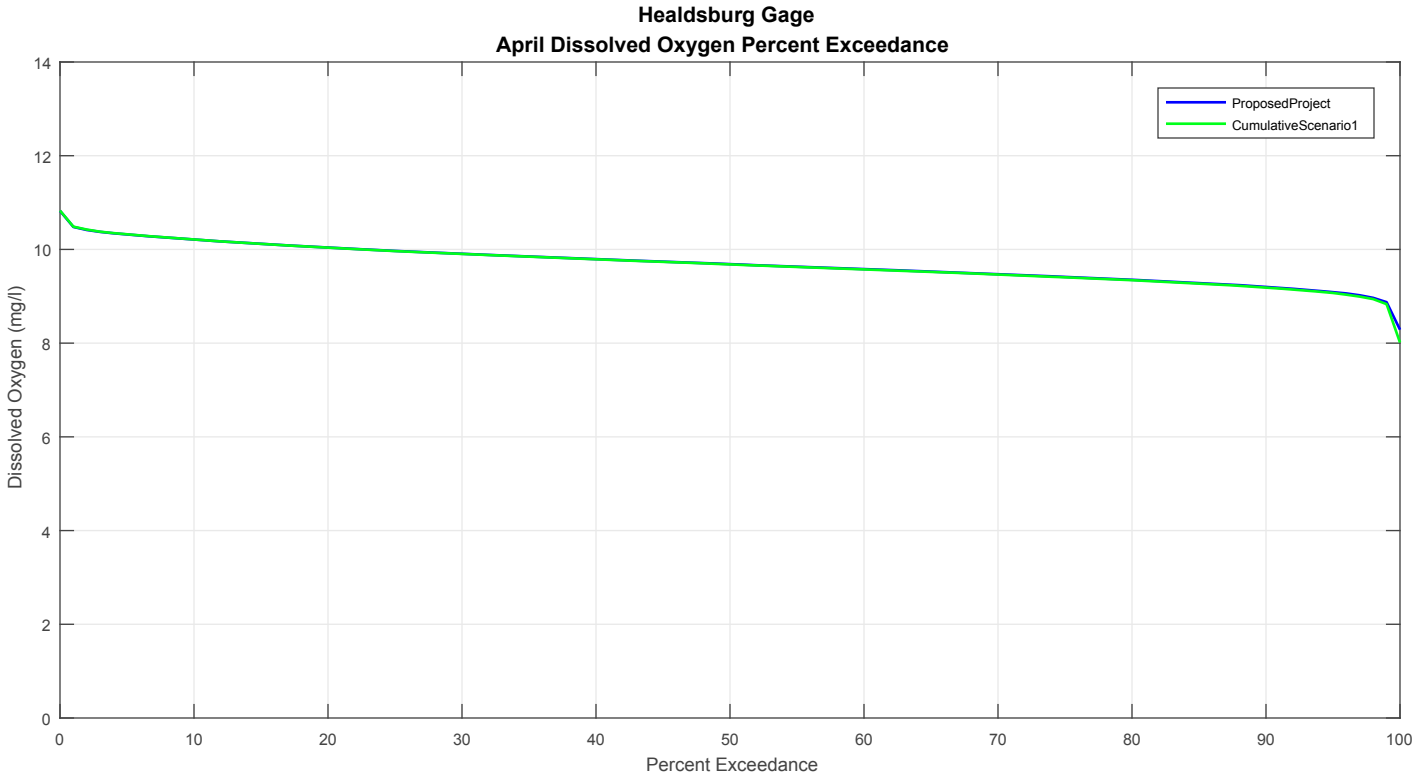
Healdsburg Gage
April Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
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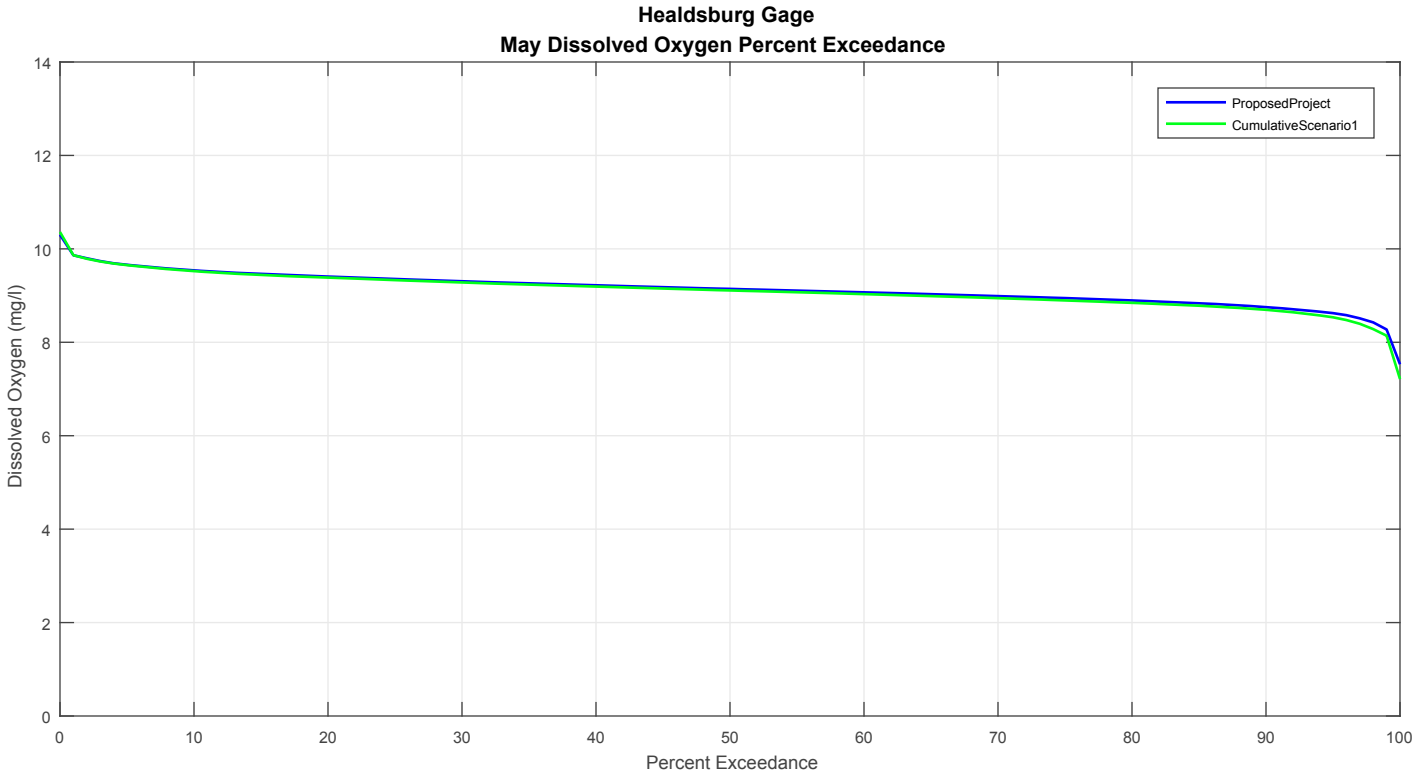
Healdsburg Gage
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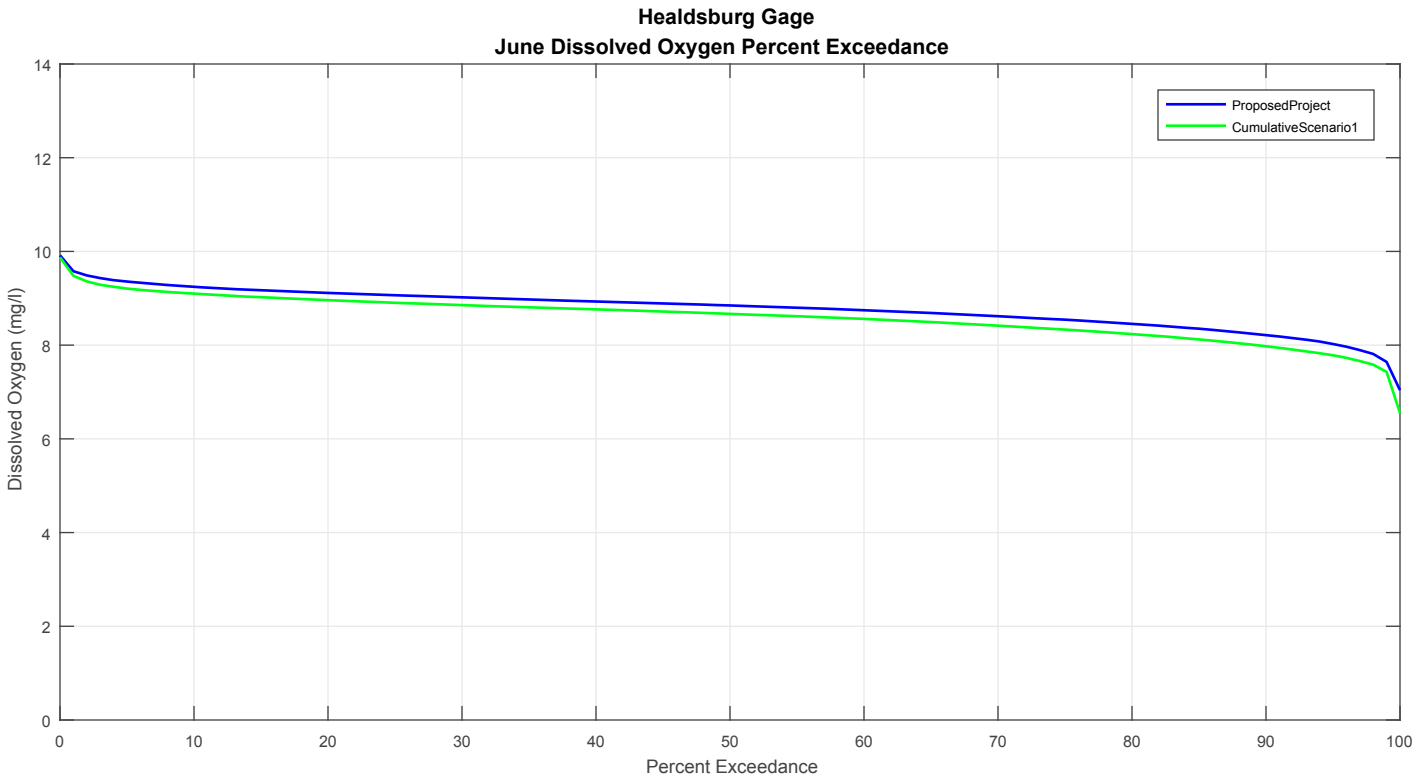
Healdsburg Gage
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ProposedProject
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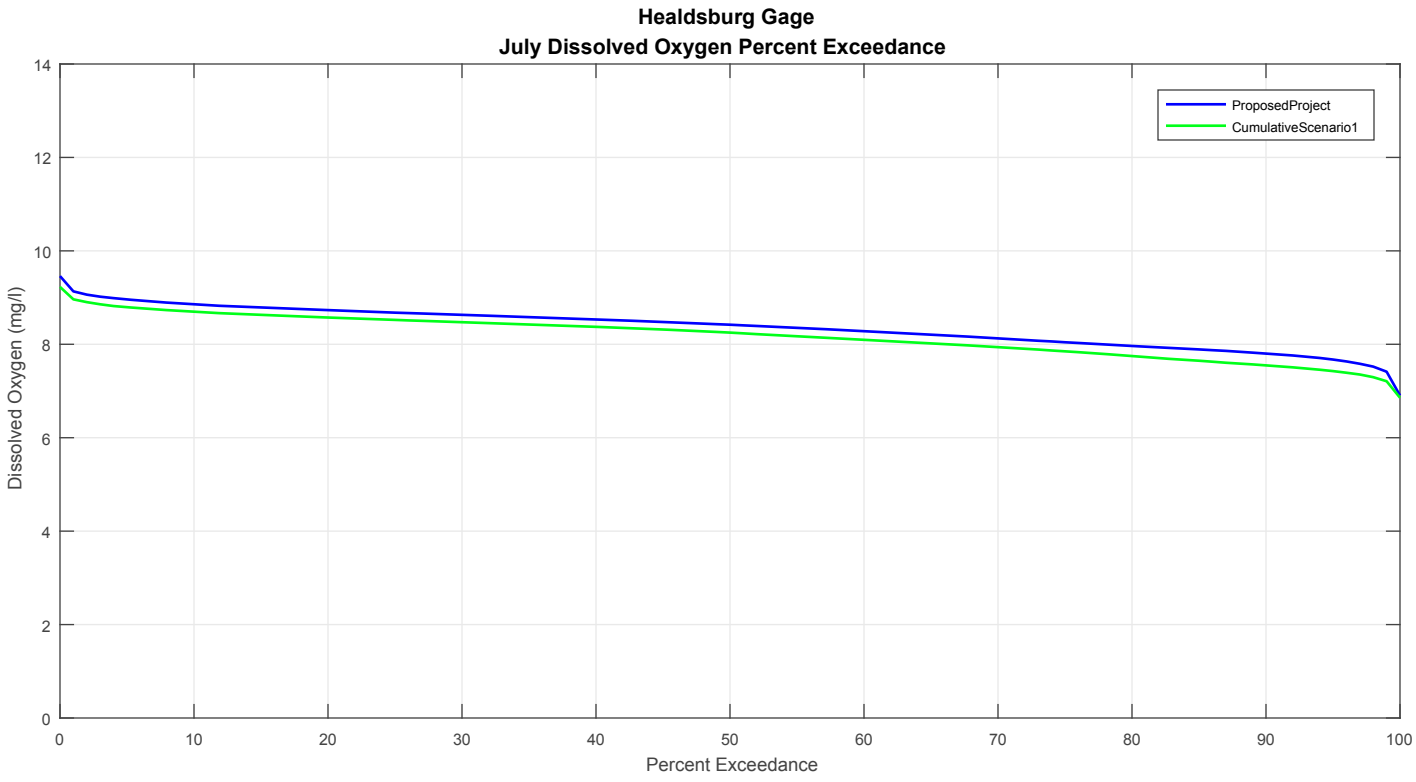
Healdsburg Gage
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ProposedProject
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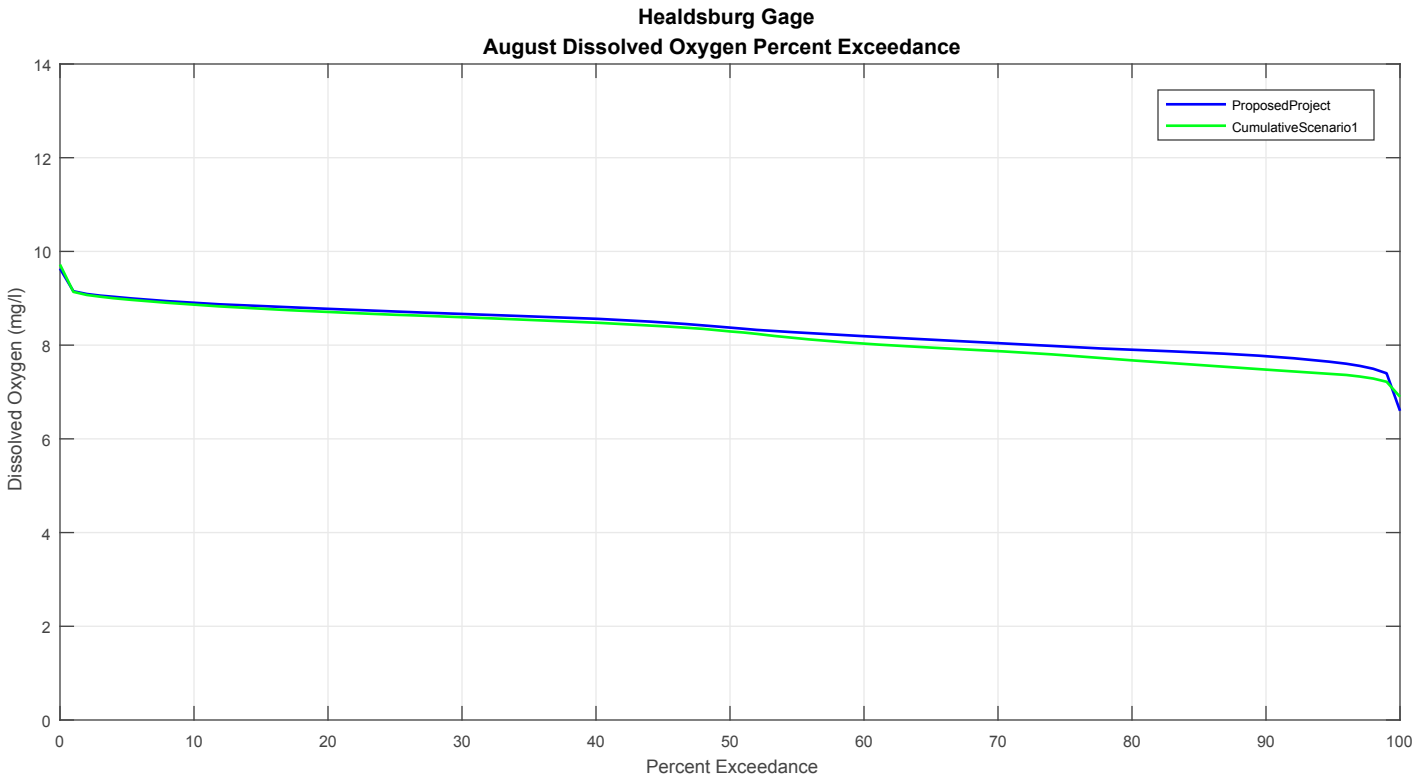
Healdsburg Gage
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ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
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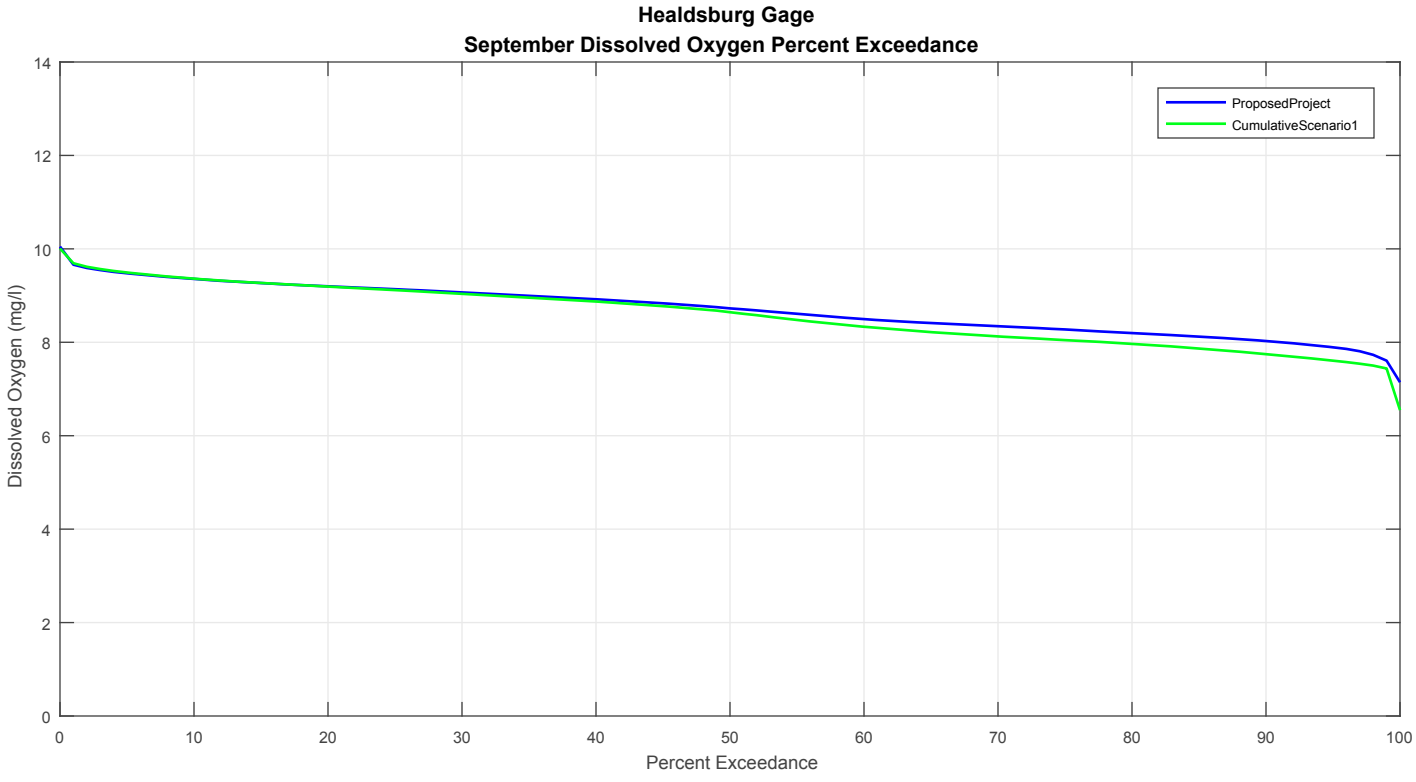
Healdsburg Gage
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ProposedProject
CumulativeScenario1
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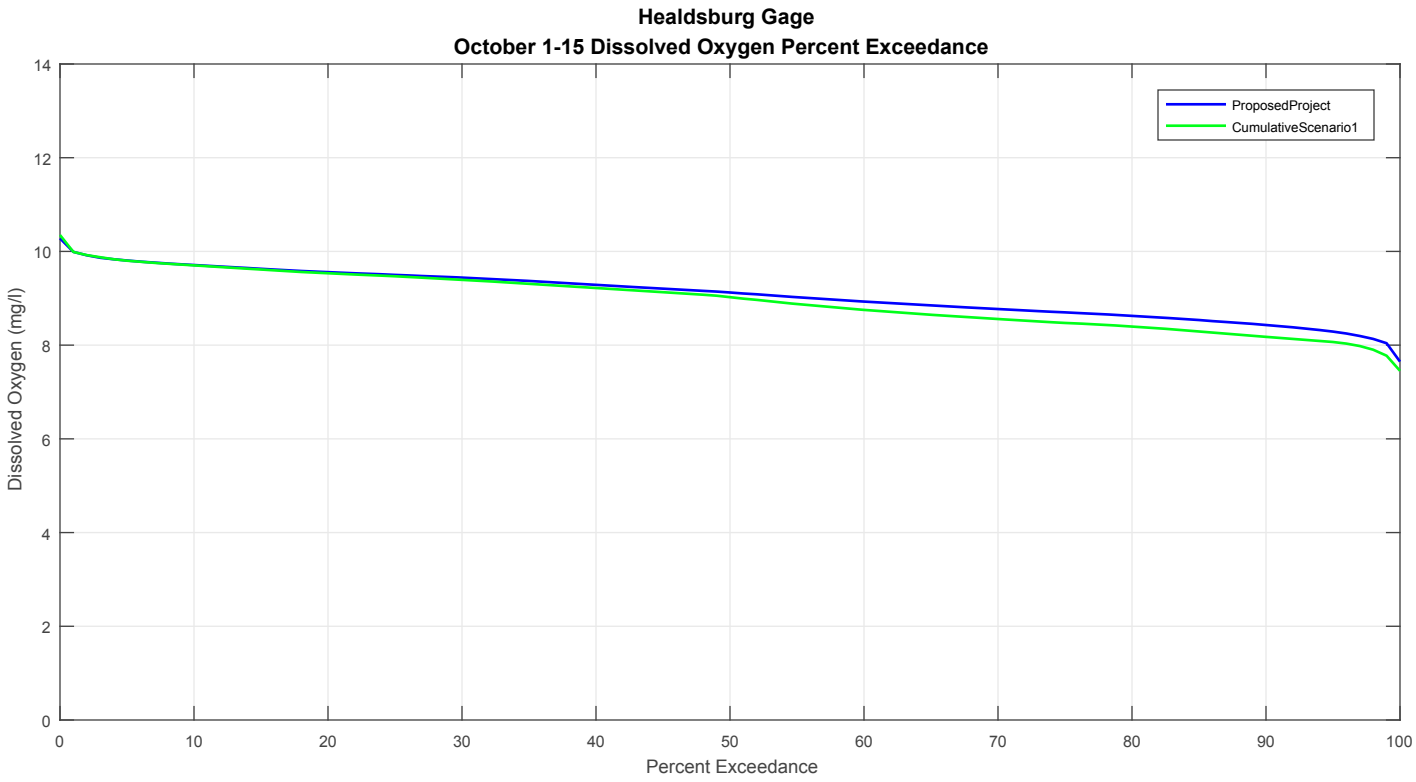
Healdsburg Gage
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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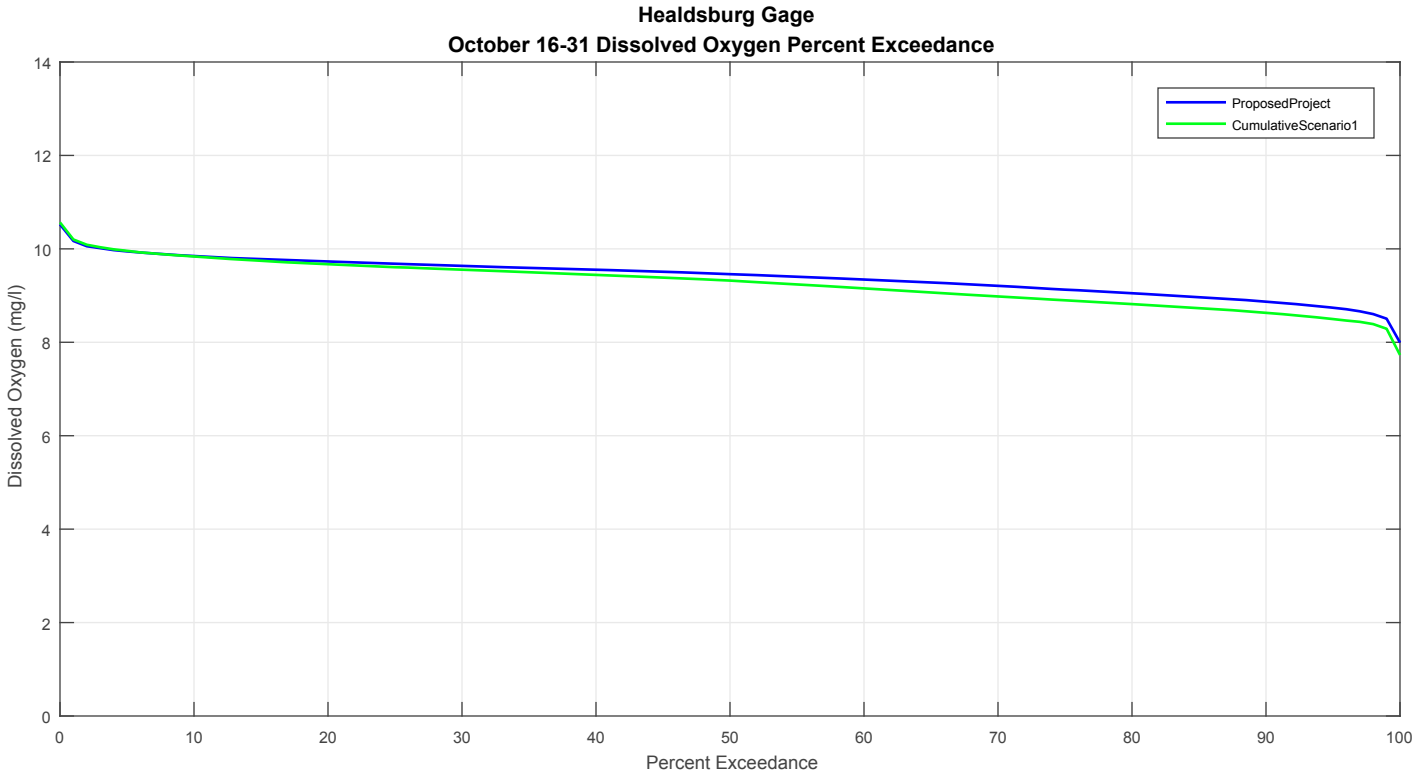
Healdsburg Gage
October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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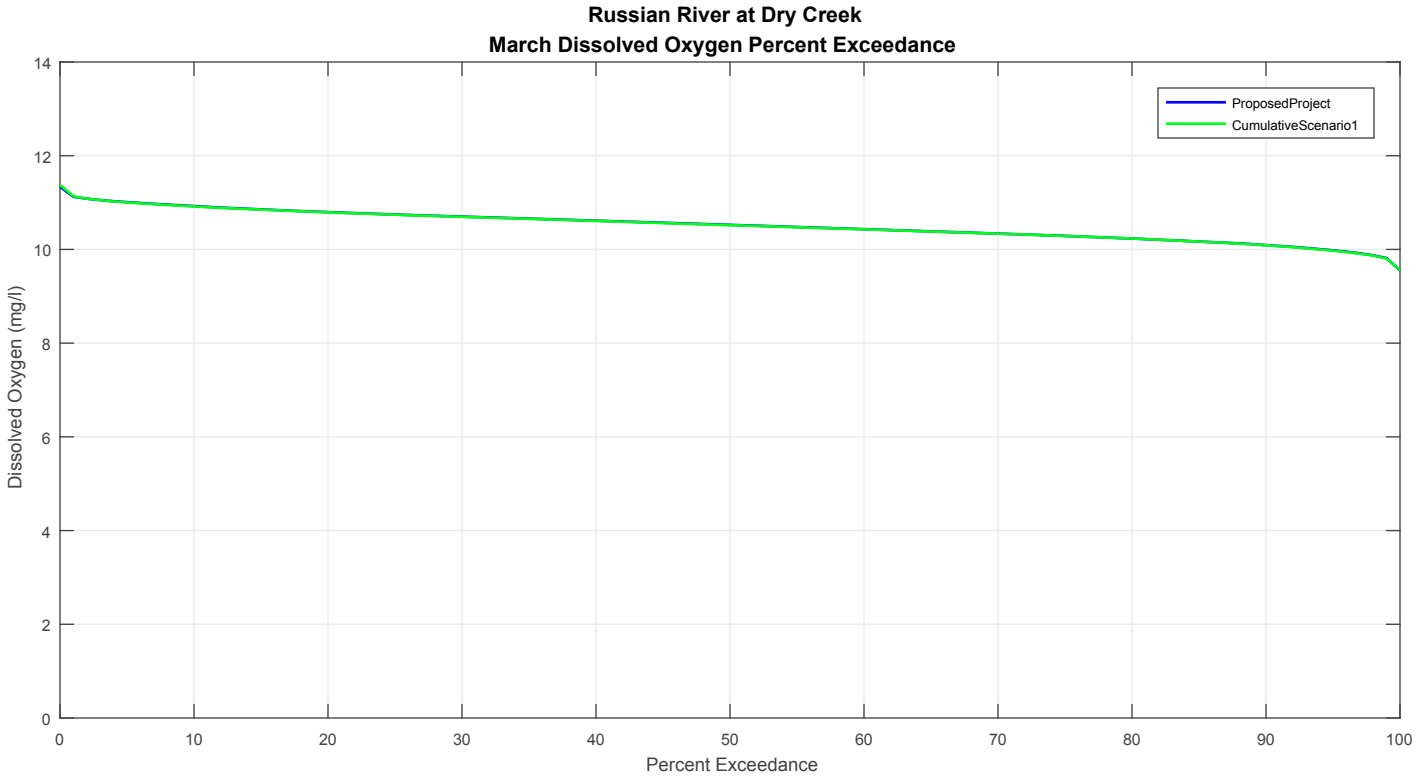
Russian River at Dry Creek
March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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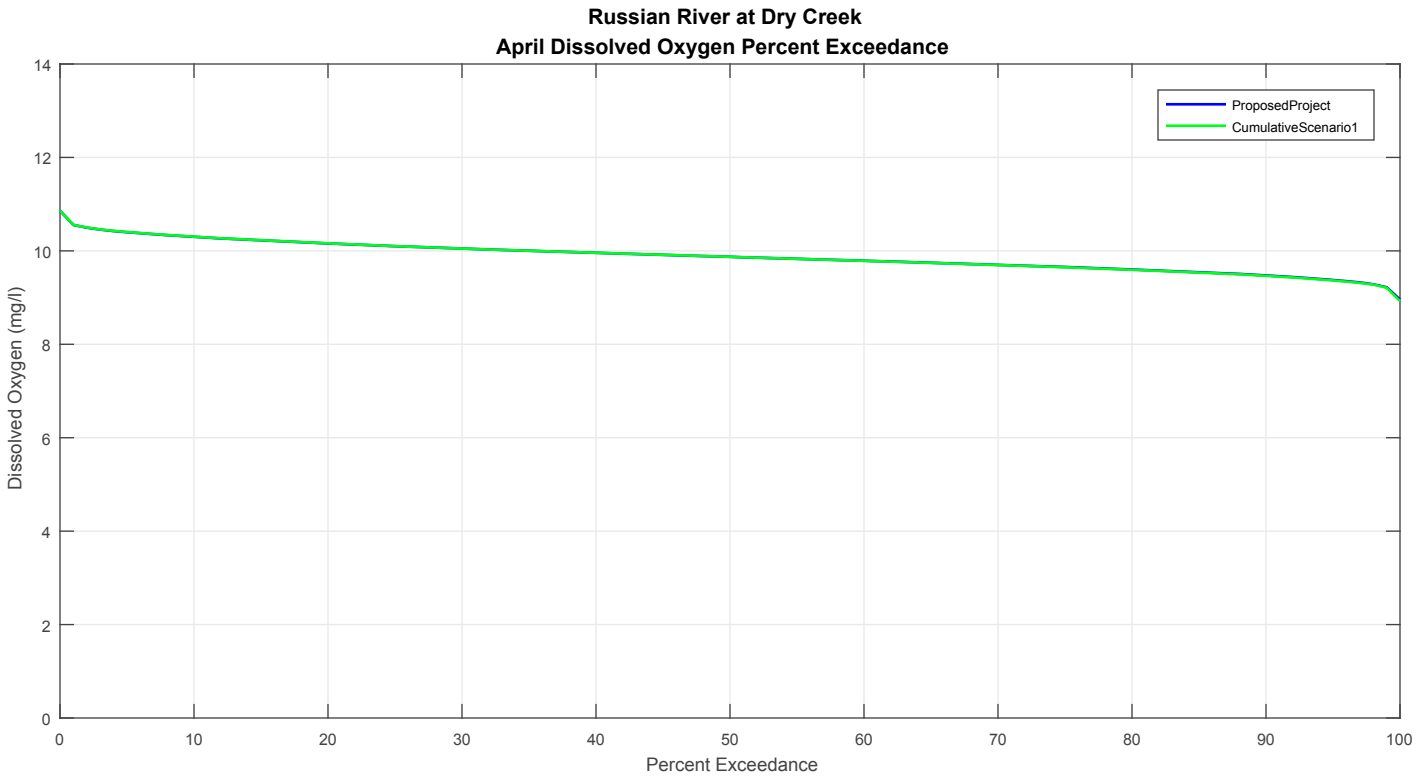
Russian River at Dry Creek
April Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
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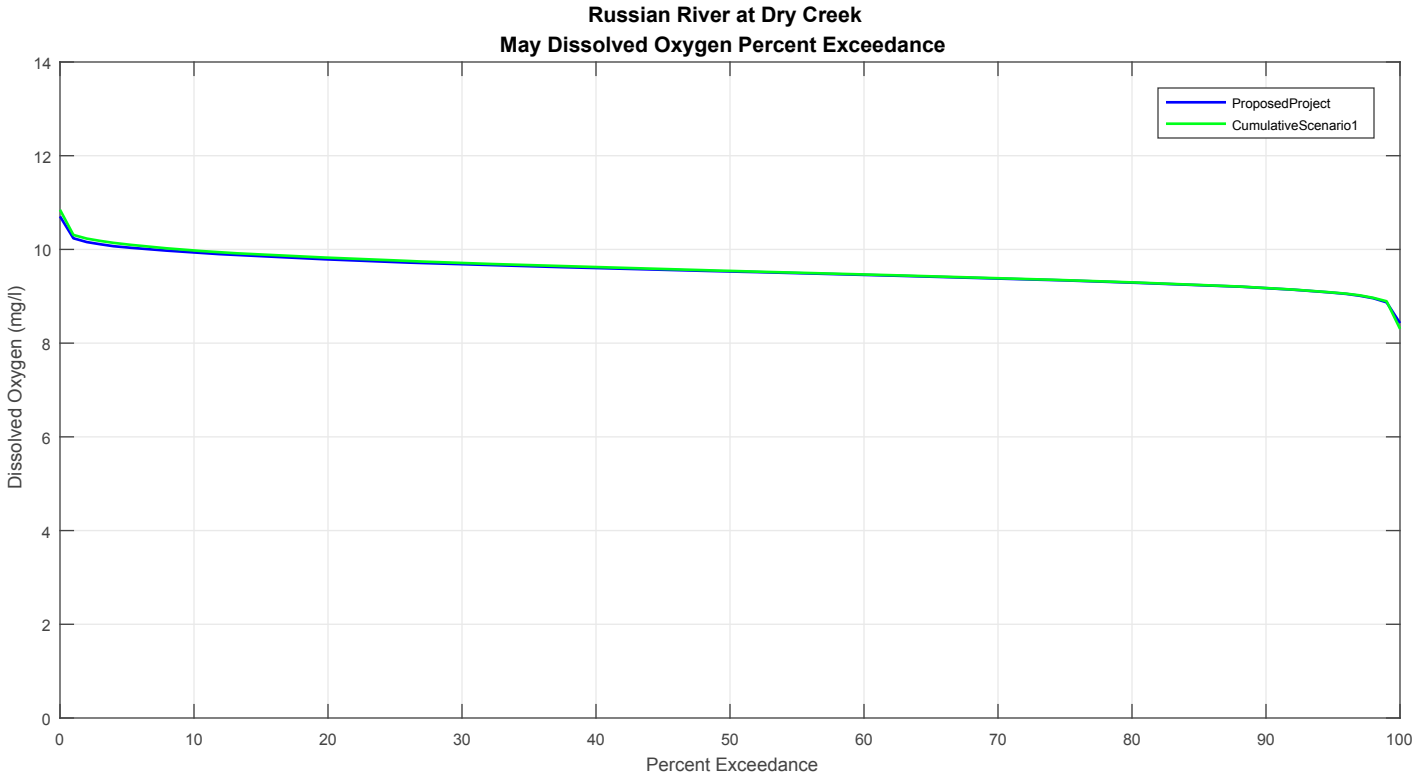
Russian River at Dry Creek
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CumulativeScenario1
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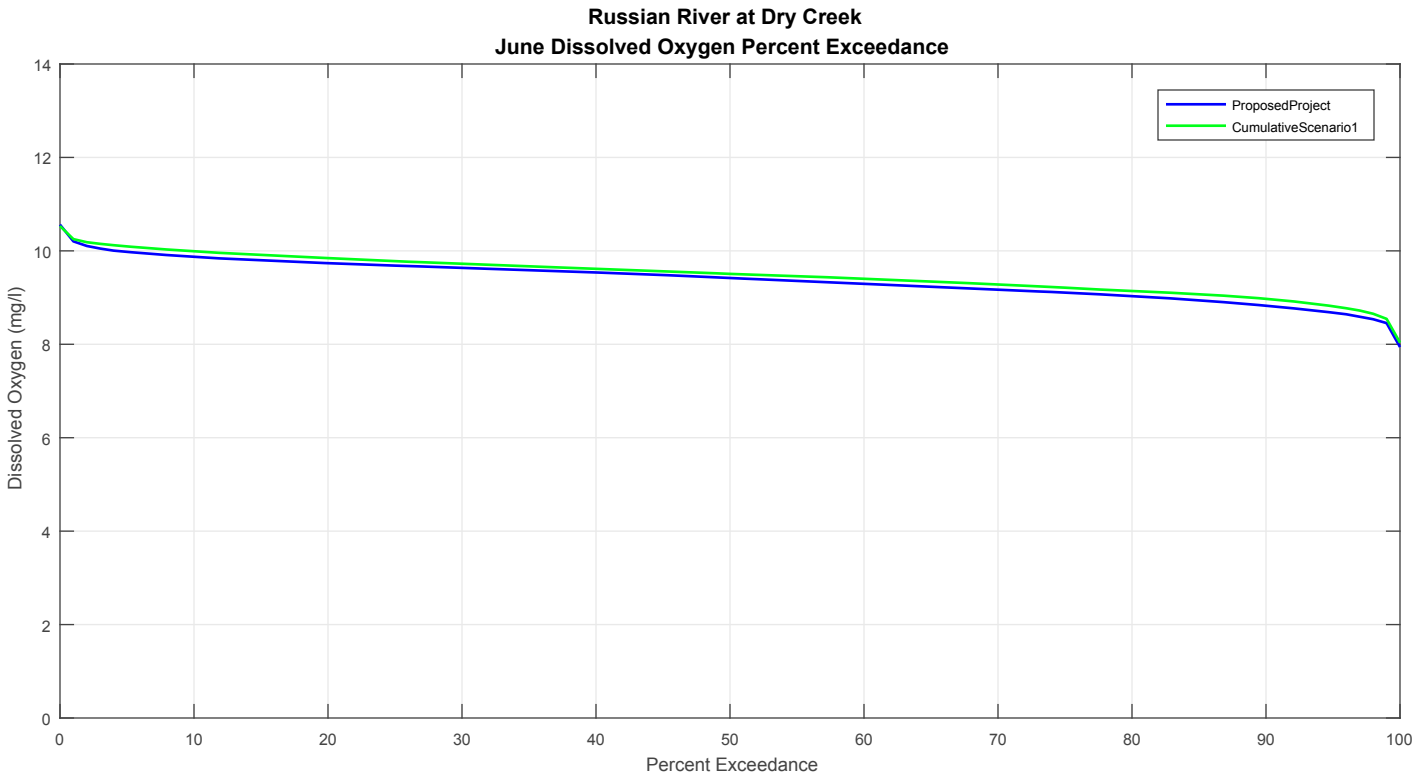
Russian River at Dry Creek
June Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
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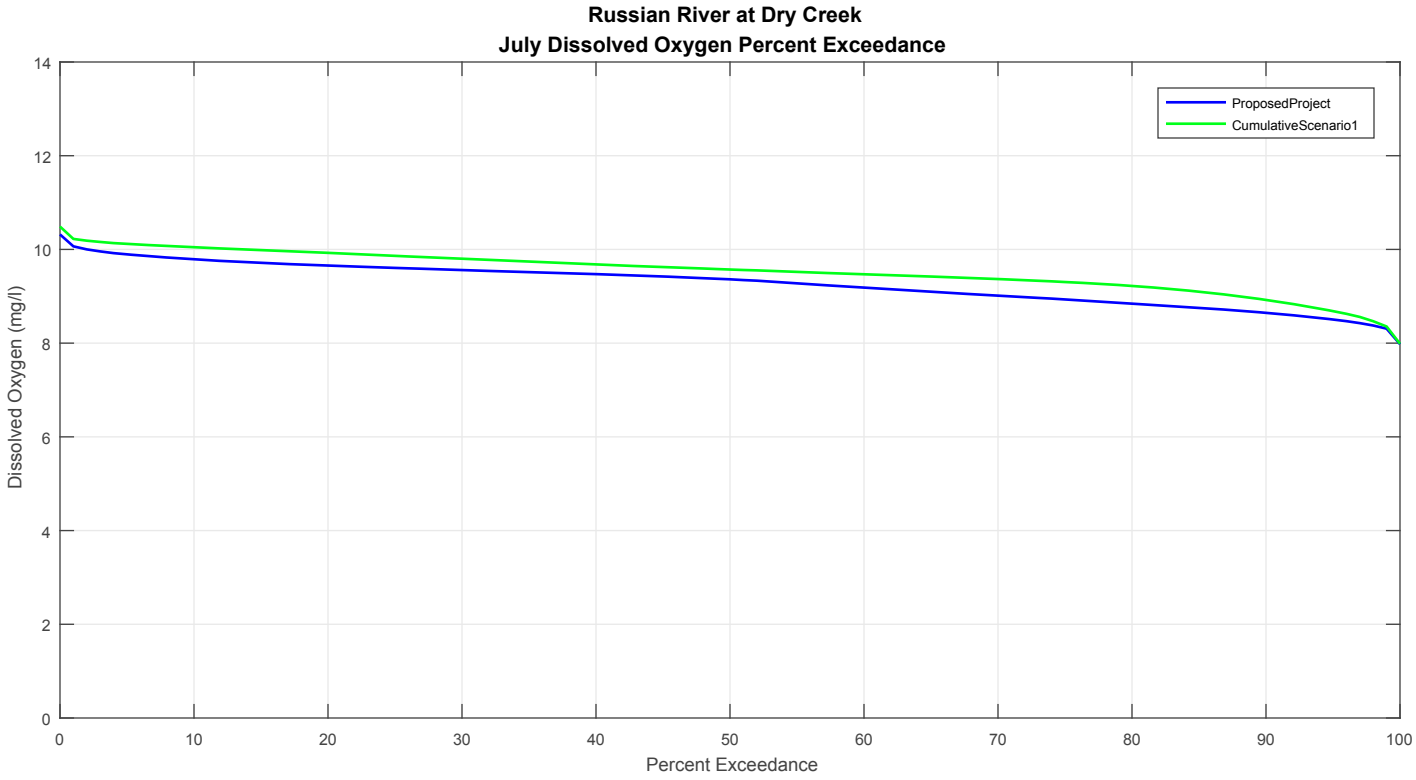
Russian River at Dry Creek
July Dissolved Oxygen Percent Exceedance
ProposedProject
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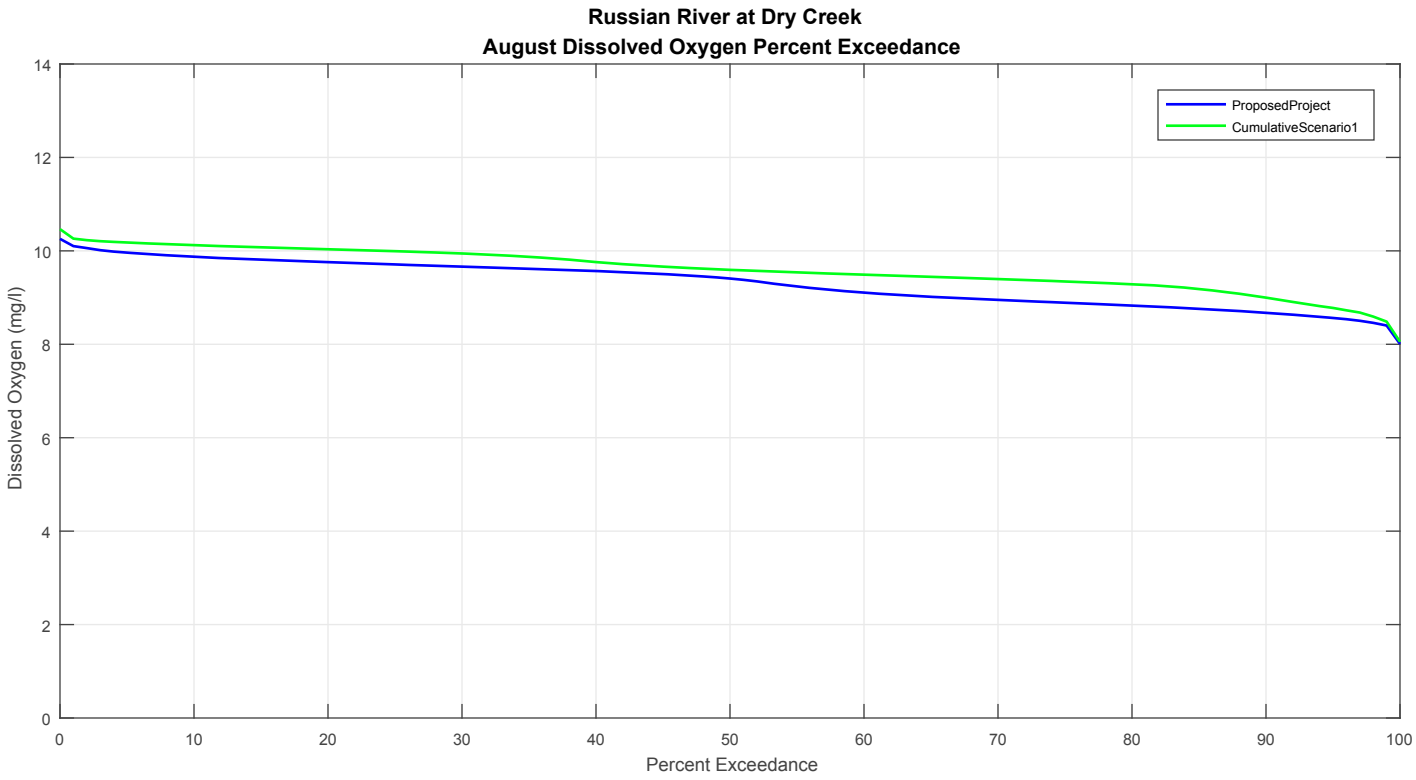
Russian River at Dry Creek
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ProposedProject
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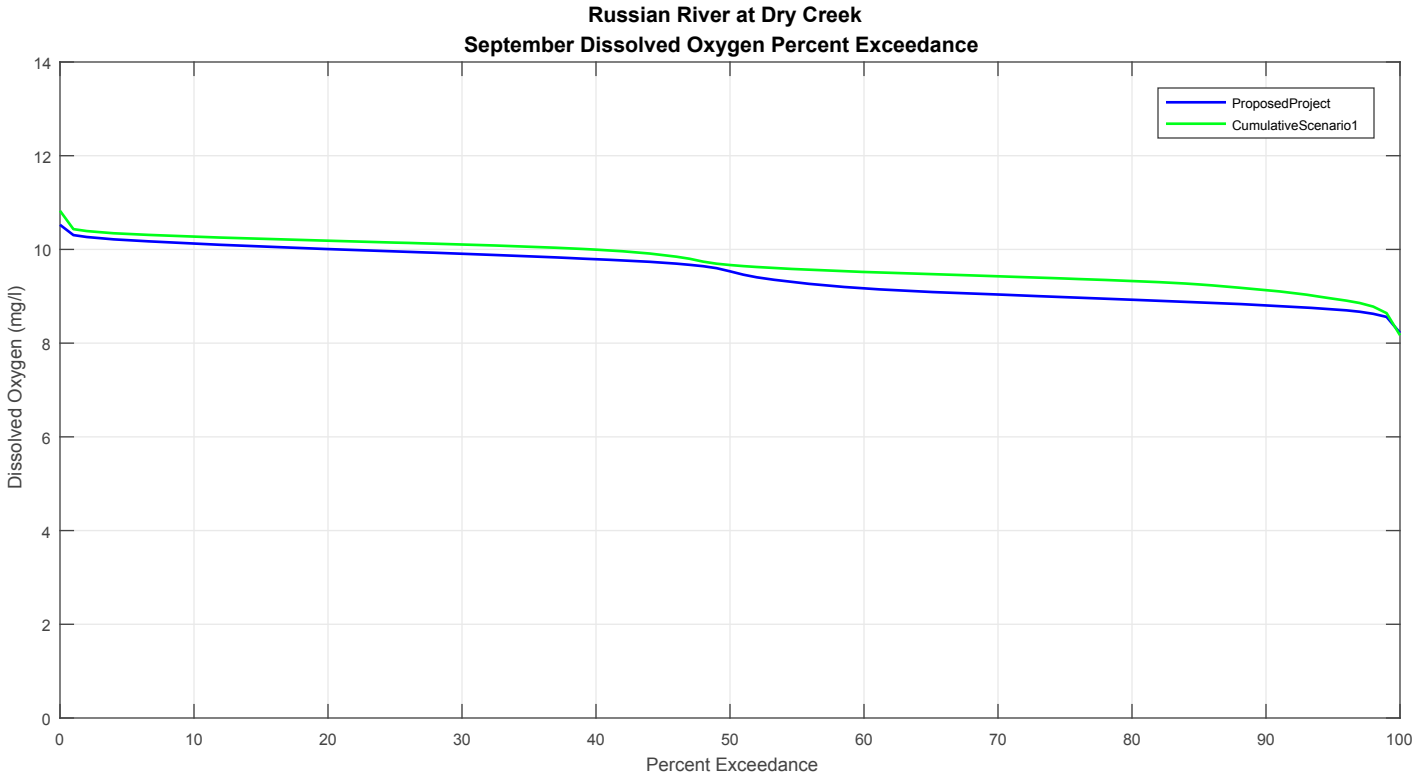
Russian River at Dry Creek
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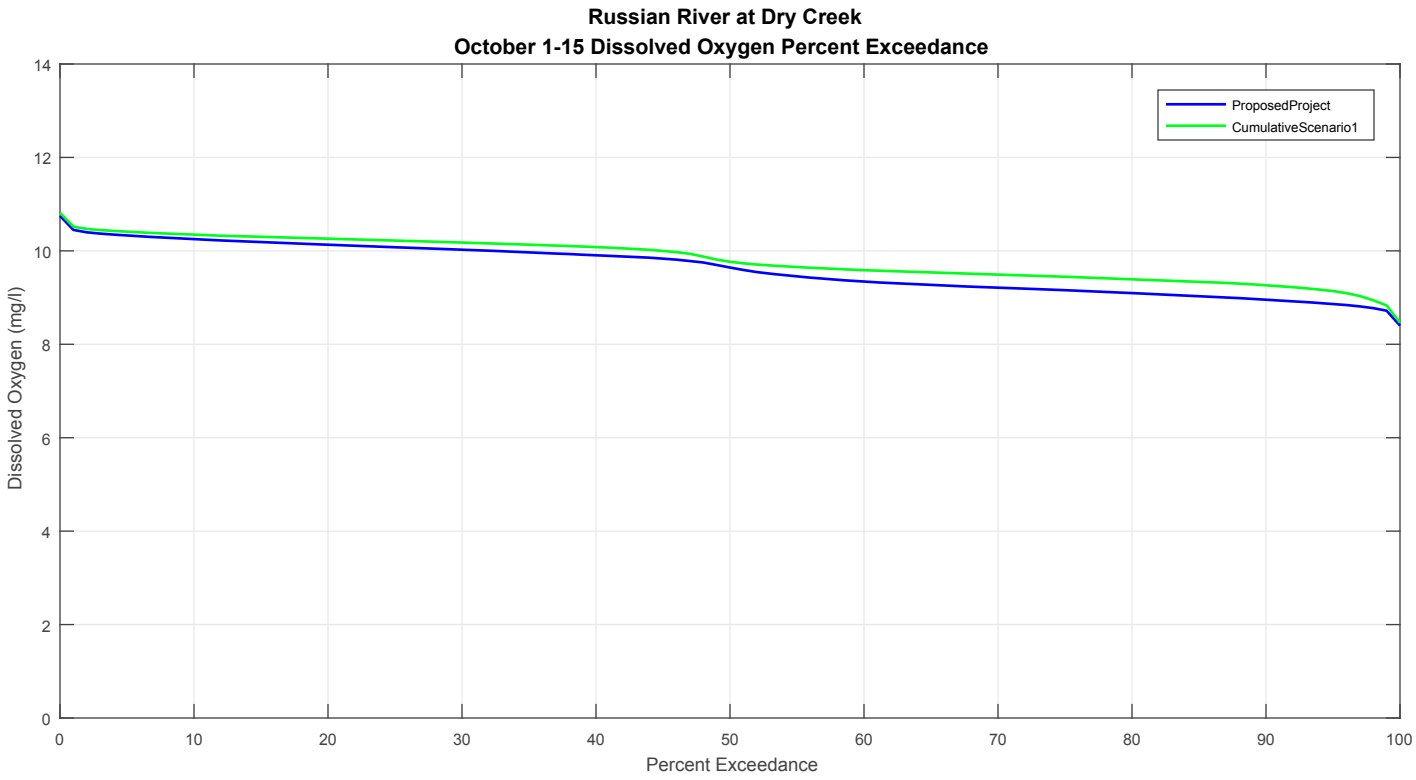
Russian River at Dry Creek
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
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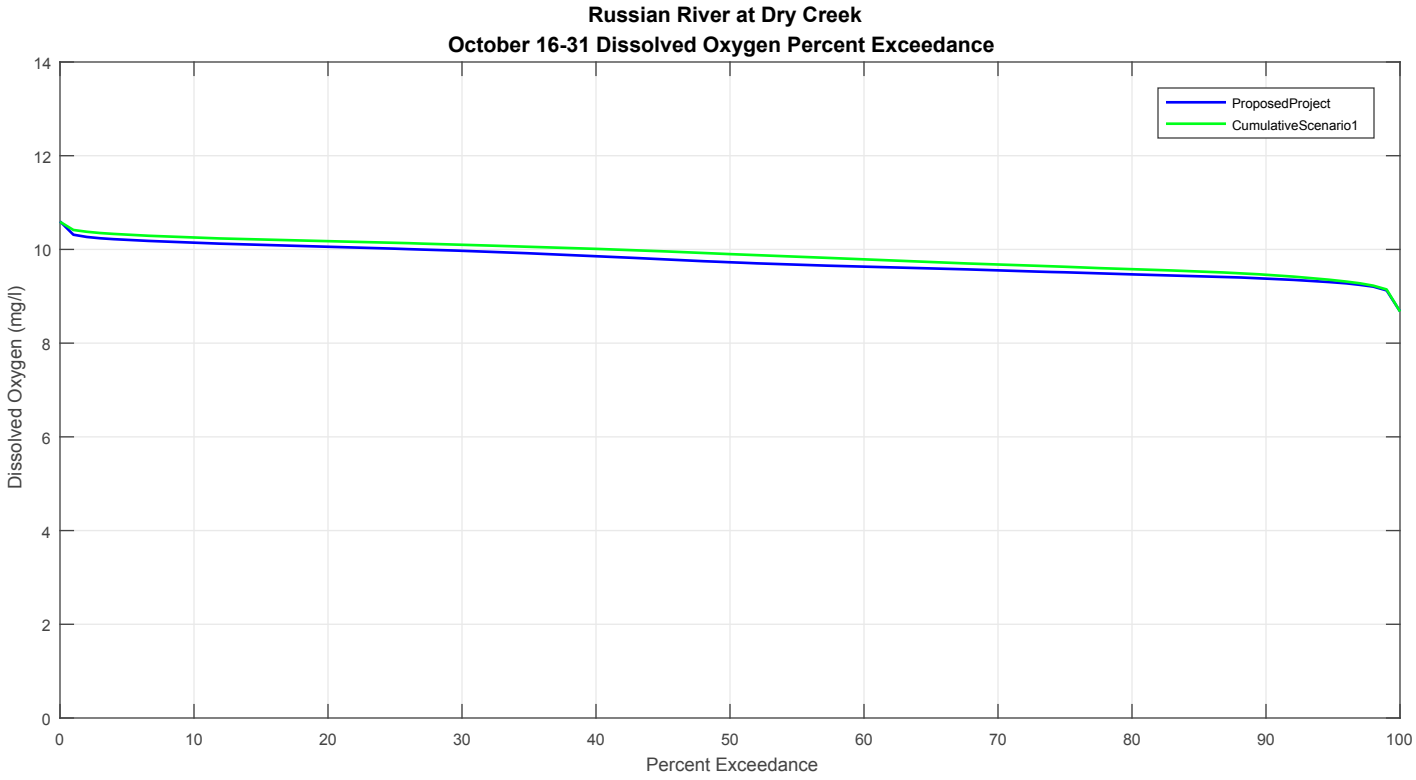
Russian River at Dry Creek
October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
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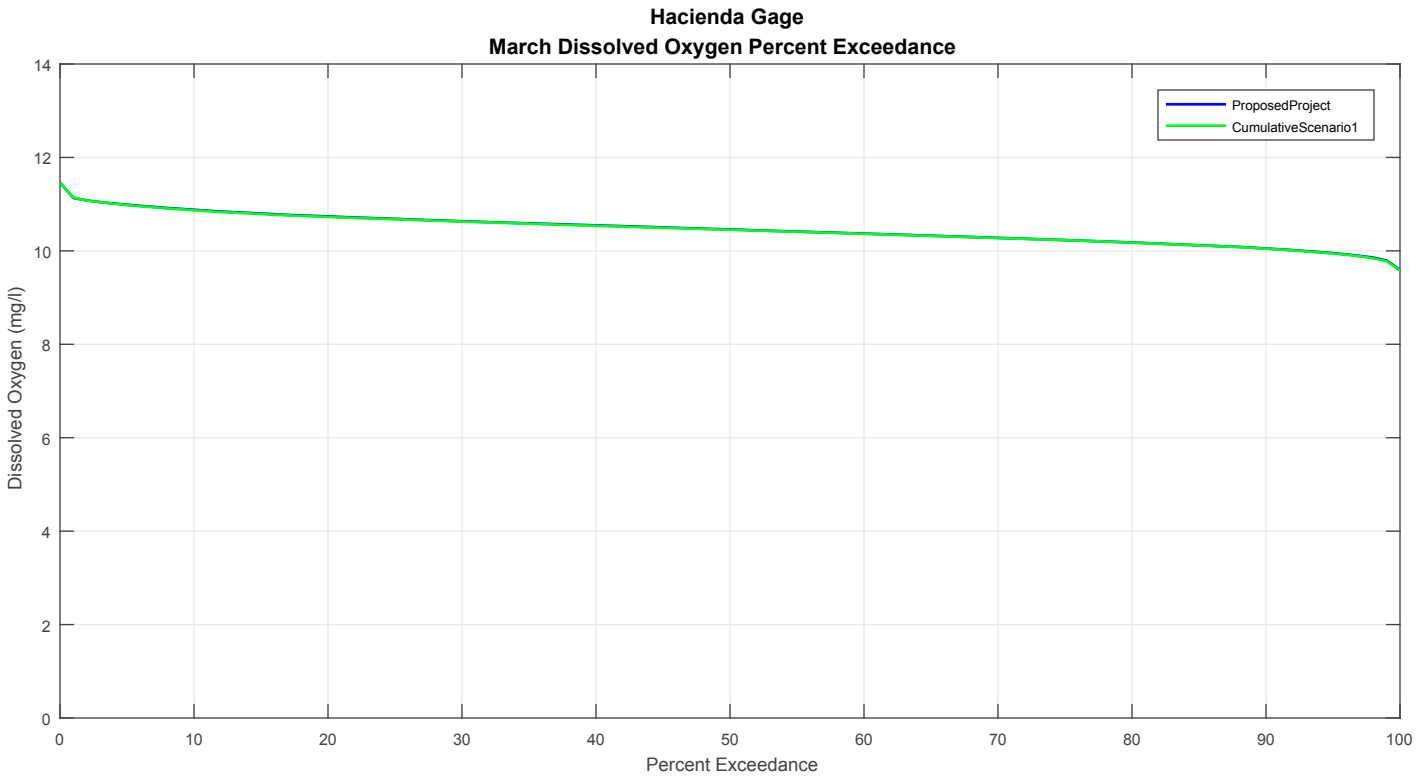
Hacienda Gage
March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
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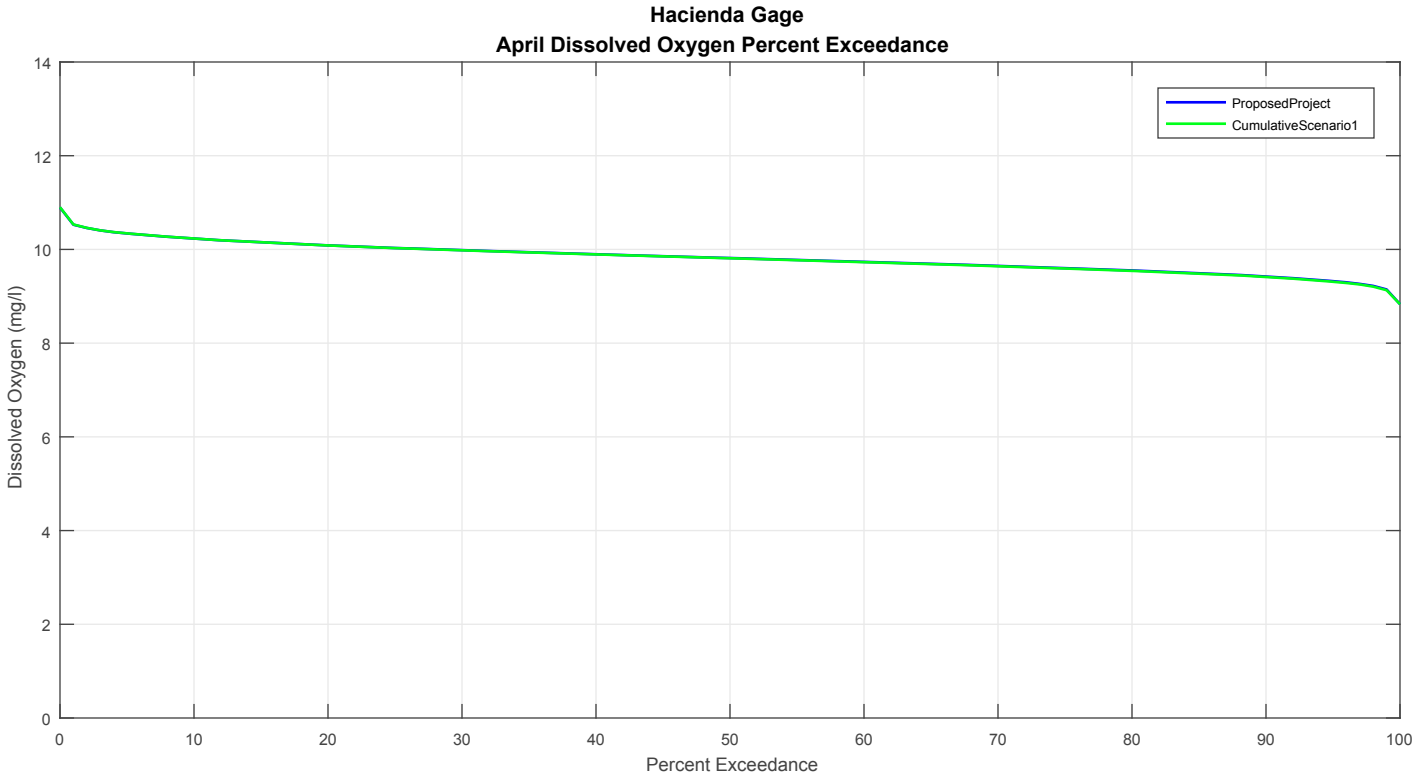
Hacienda Gage
April Dissolved Oxygen Percent Exceedance
ProposedProject
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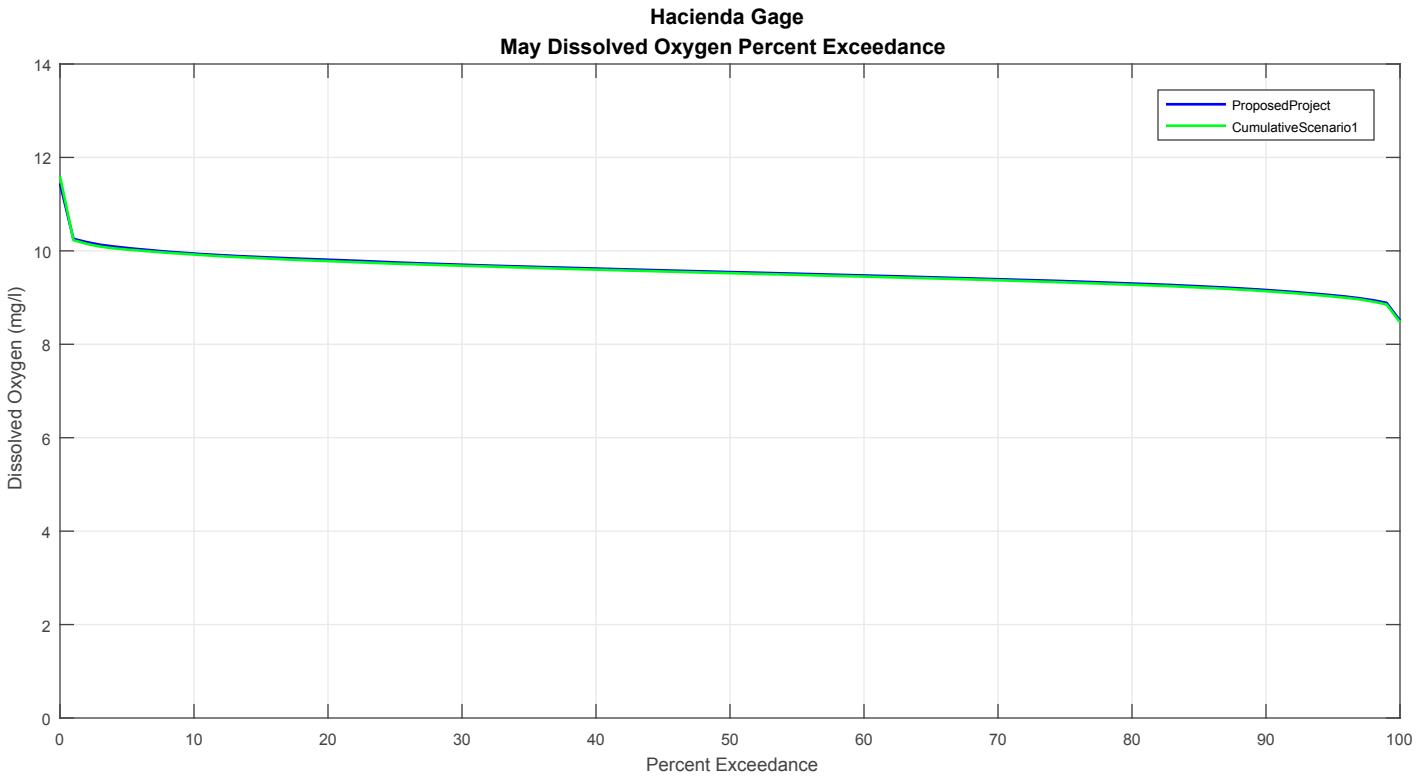
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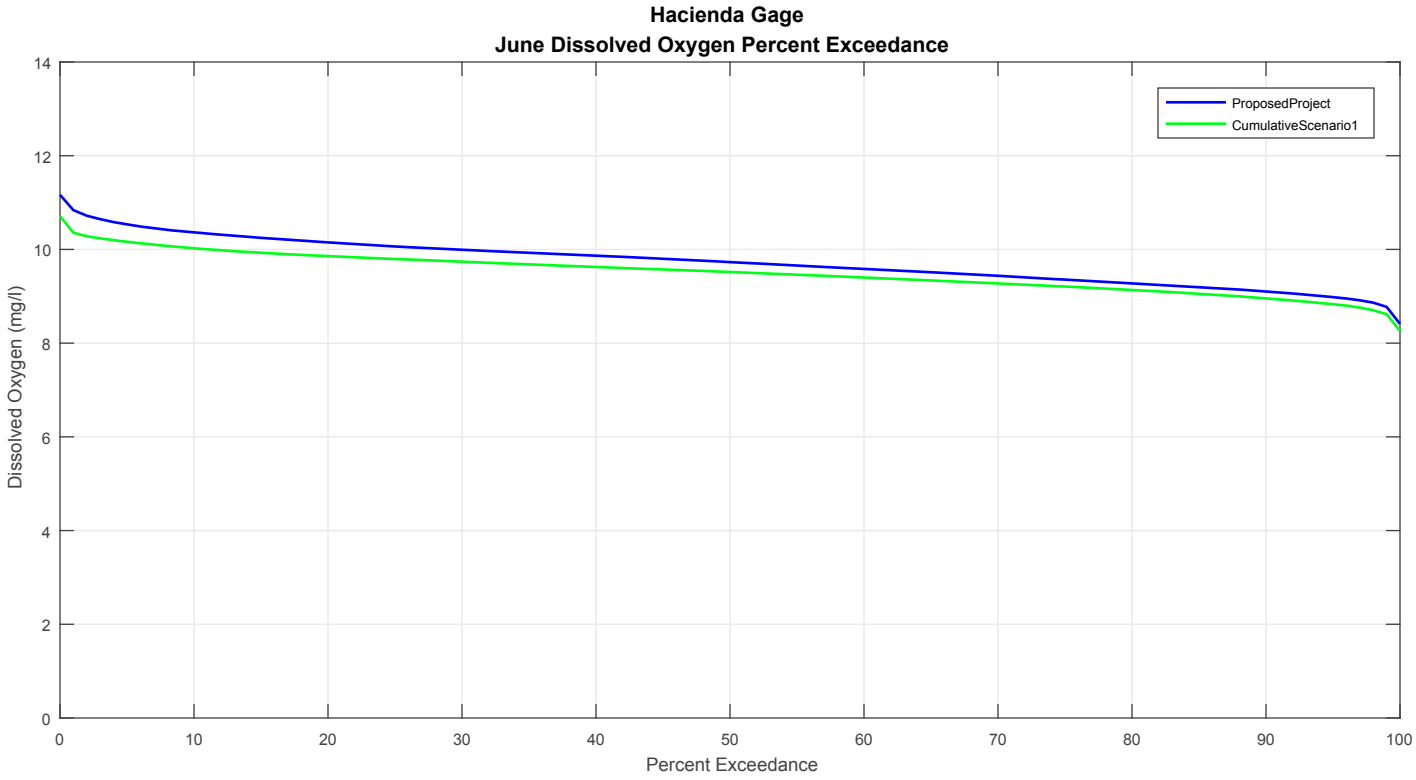
Hacienda Gage
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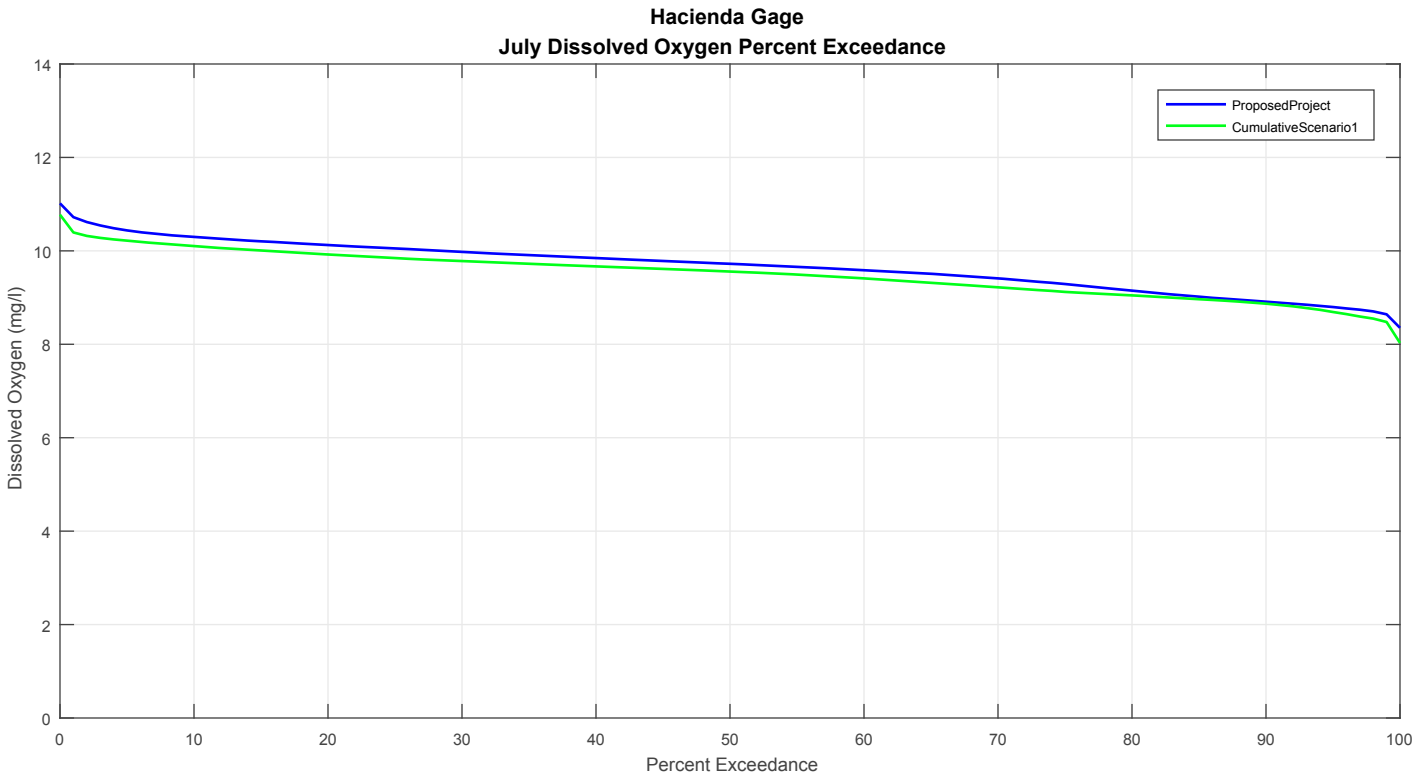
Hacienda Gage
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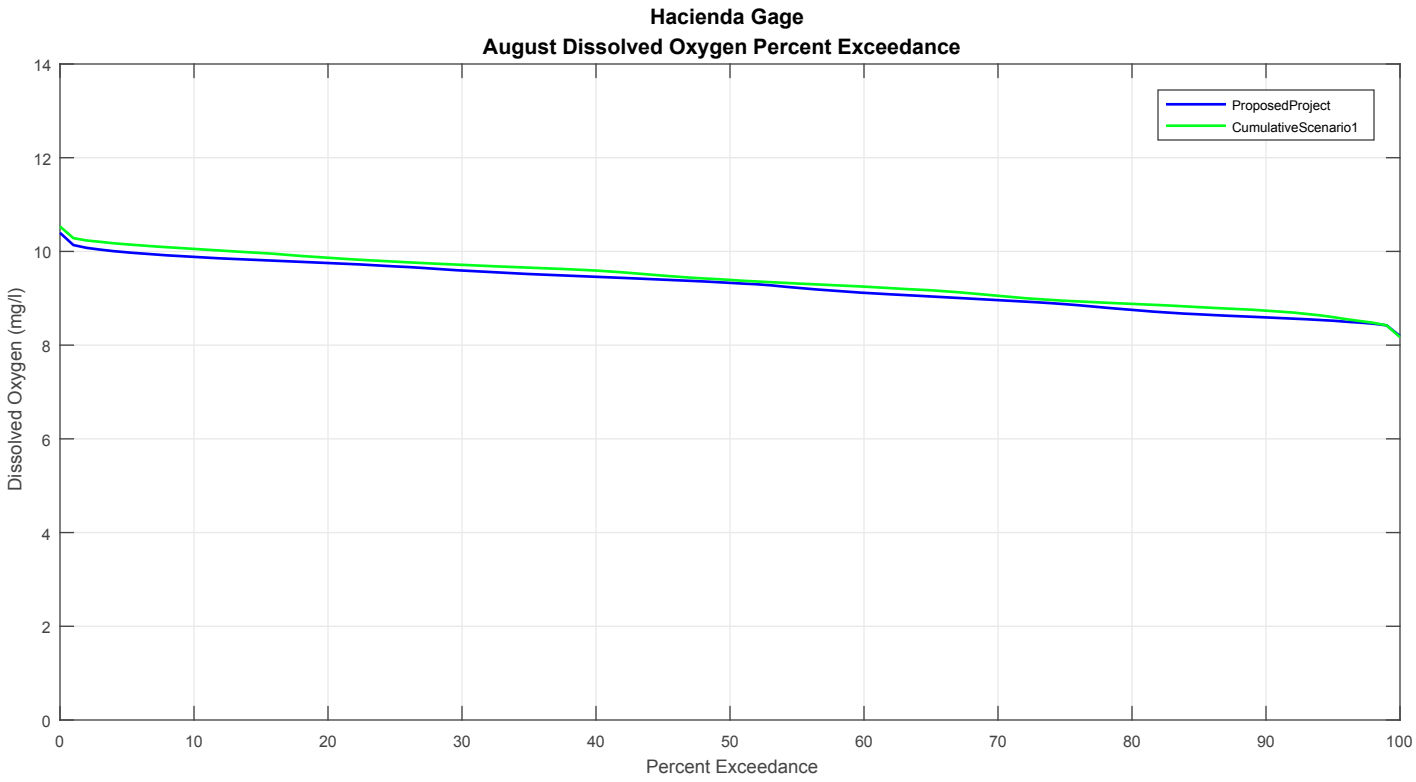
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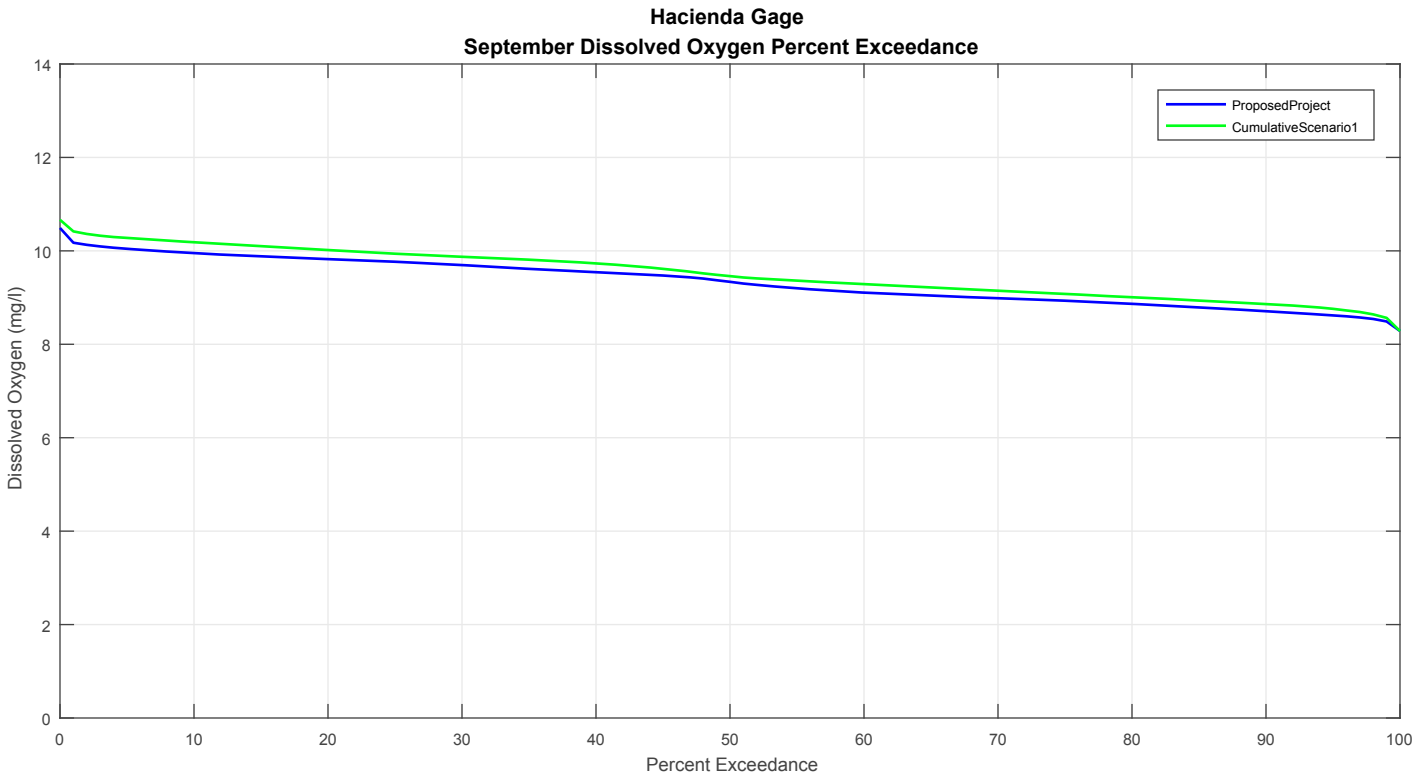
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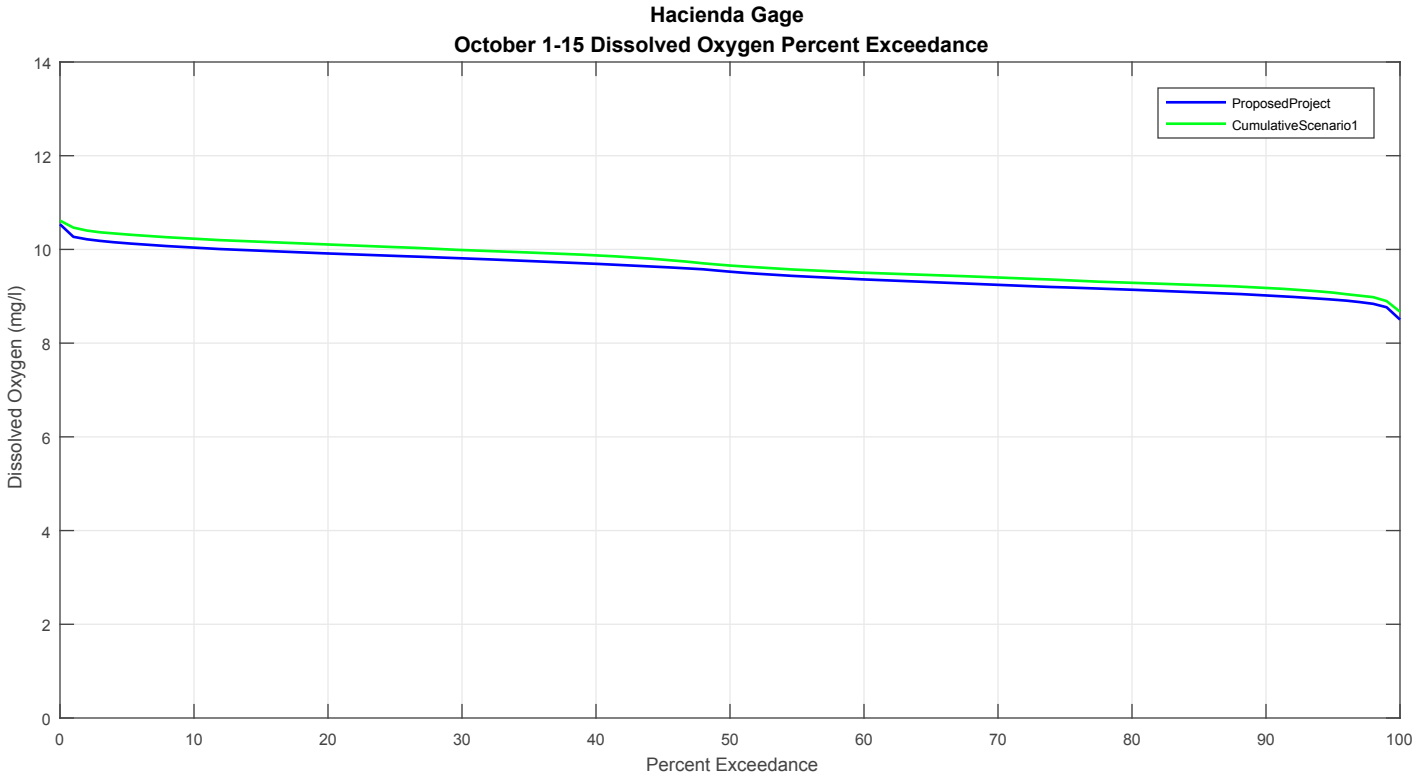
Hacienda Gage
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
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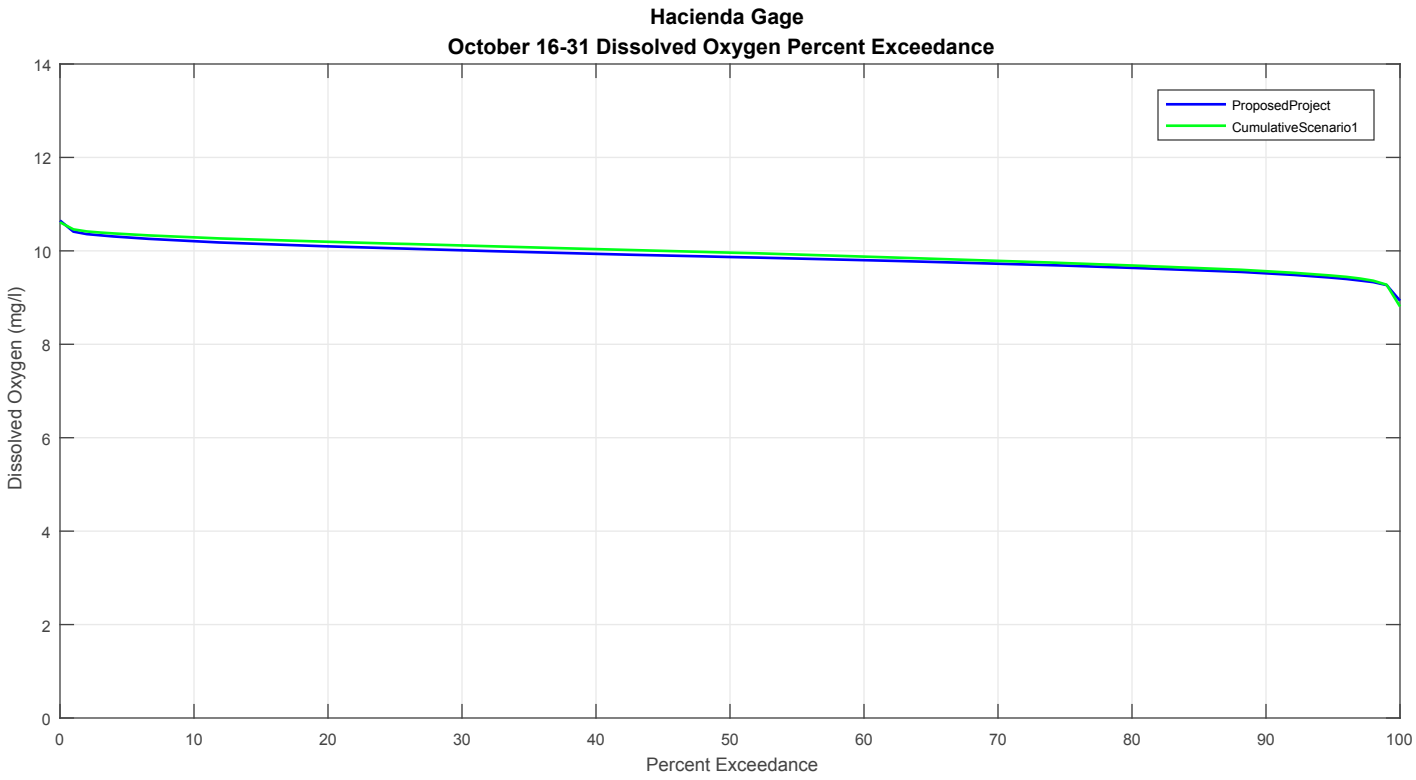
Hacienda Gage
October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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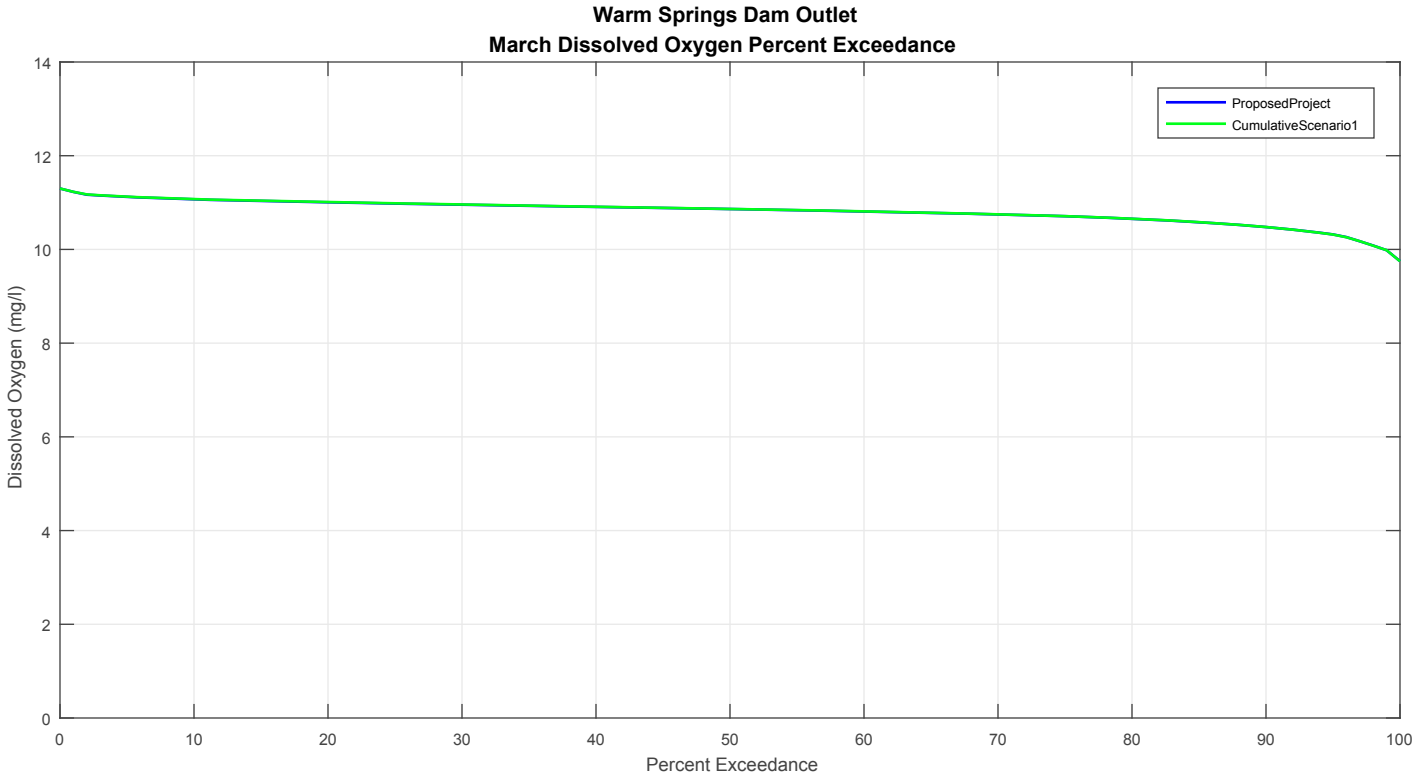
Warm Springs Dam Outlet
March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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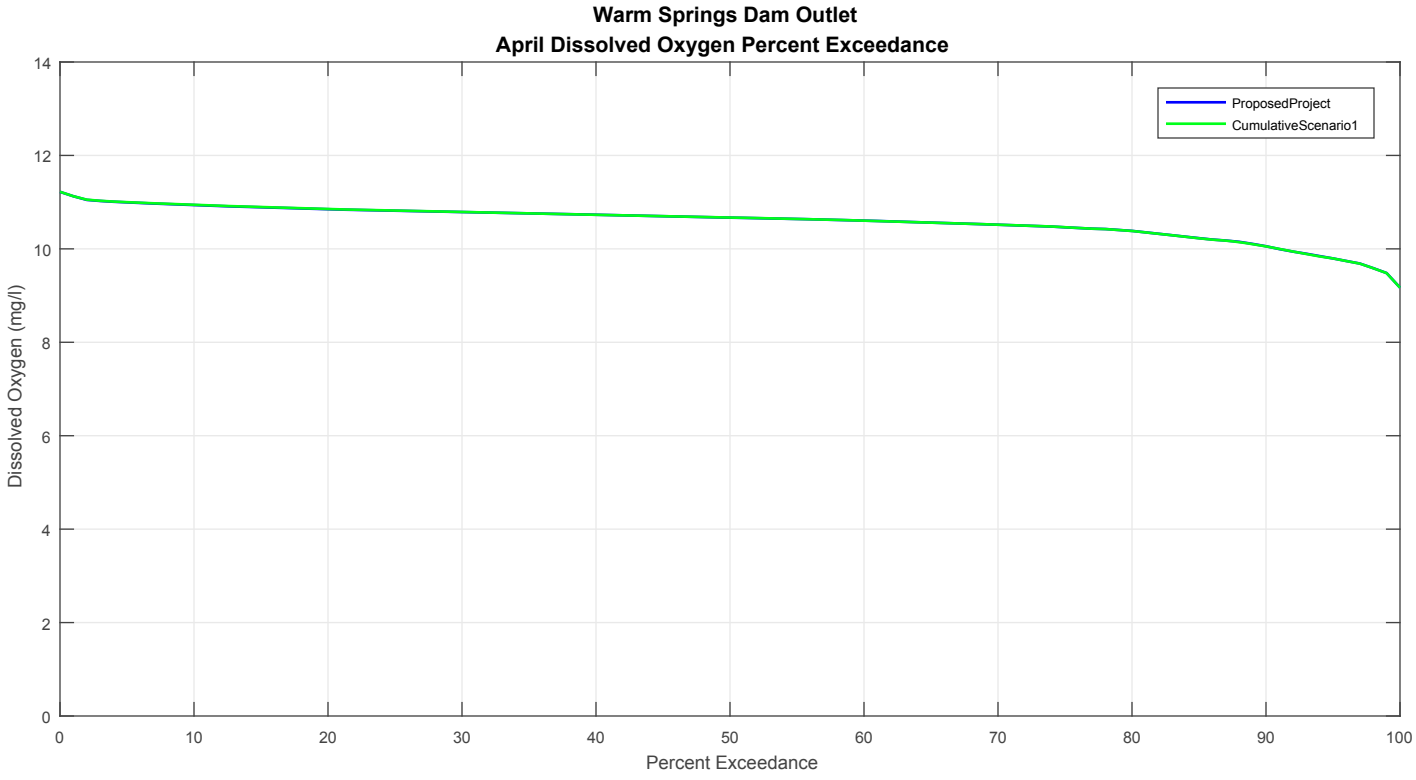
Warm Springs Dam Outlet
April Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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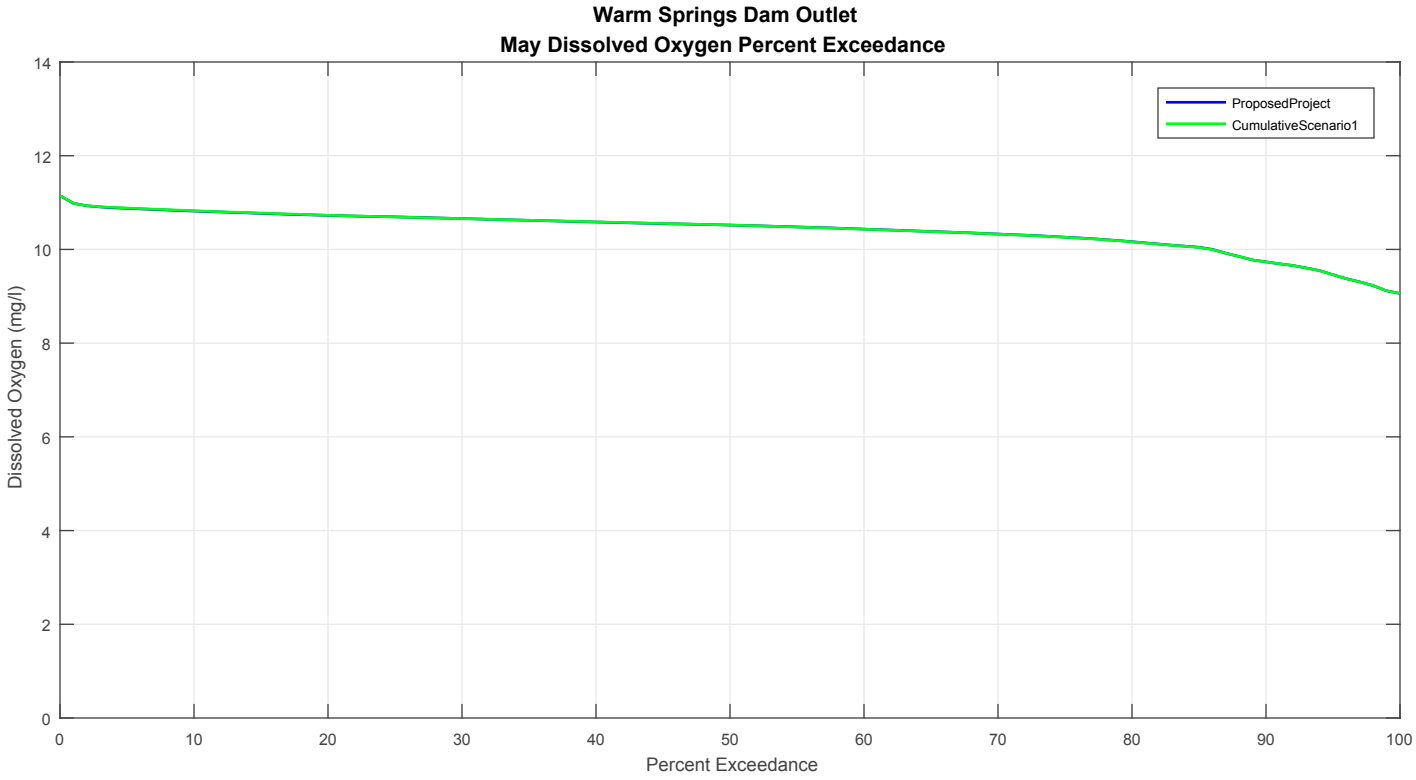
Warm Springs Dam Outlet
May Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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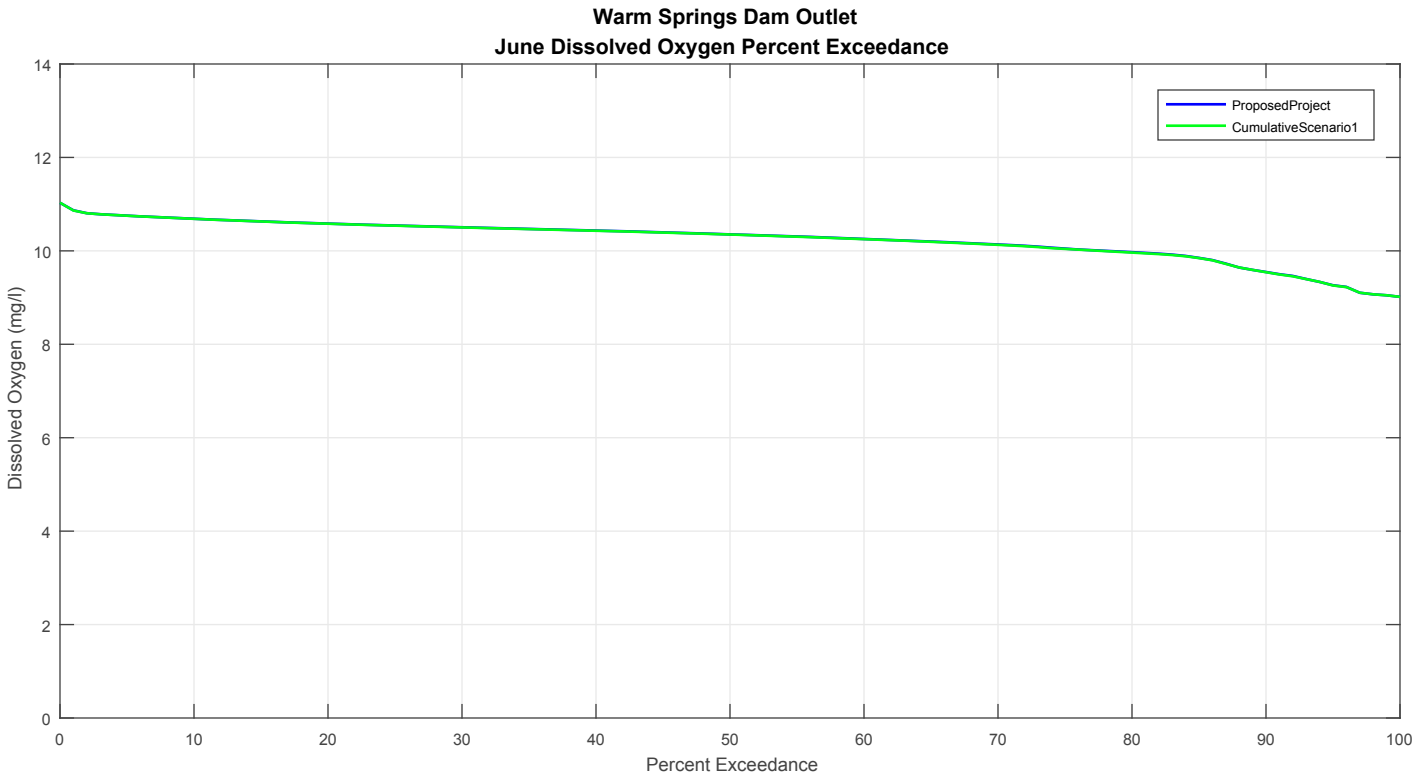
Warm Springs Dam Outlet
June Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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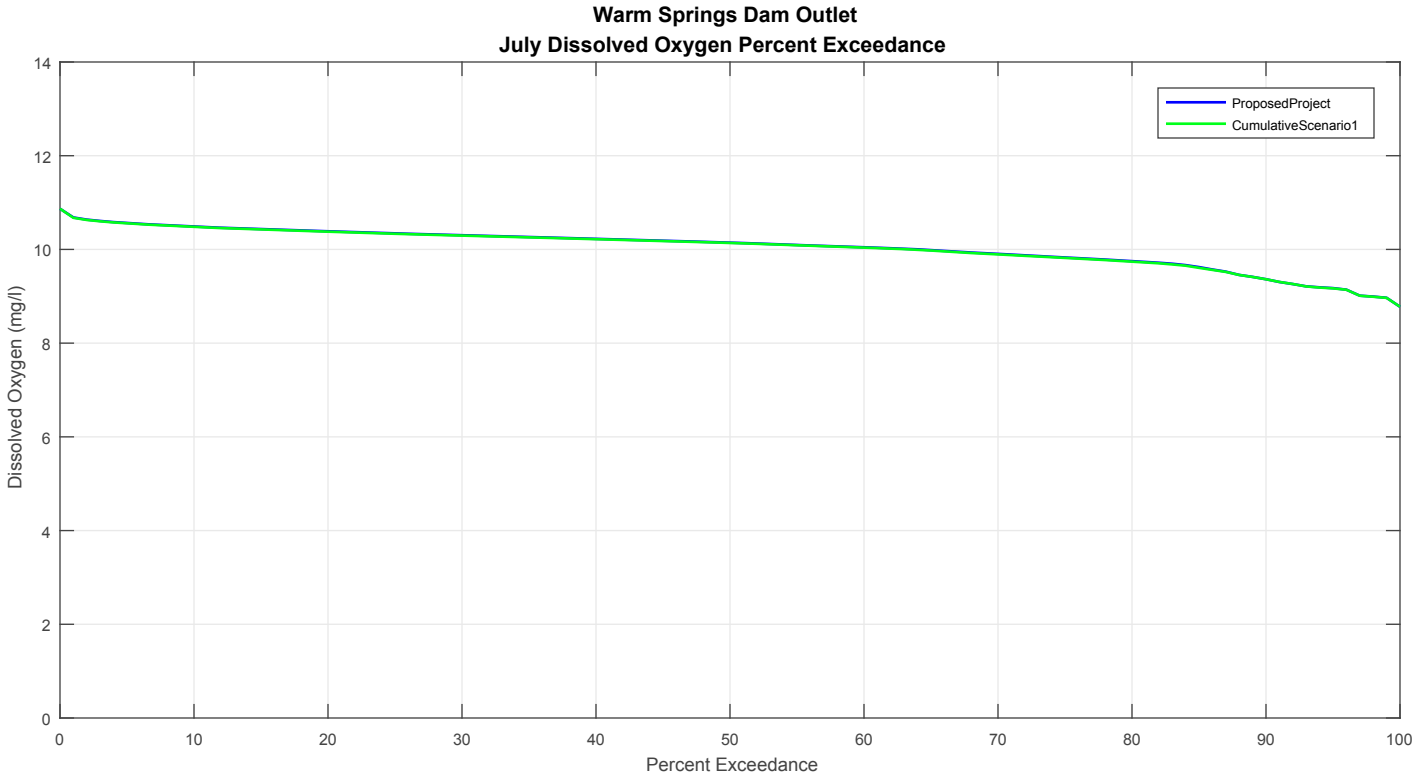
Warm Springs Dam Outlet
July Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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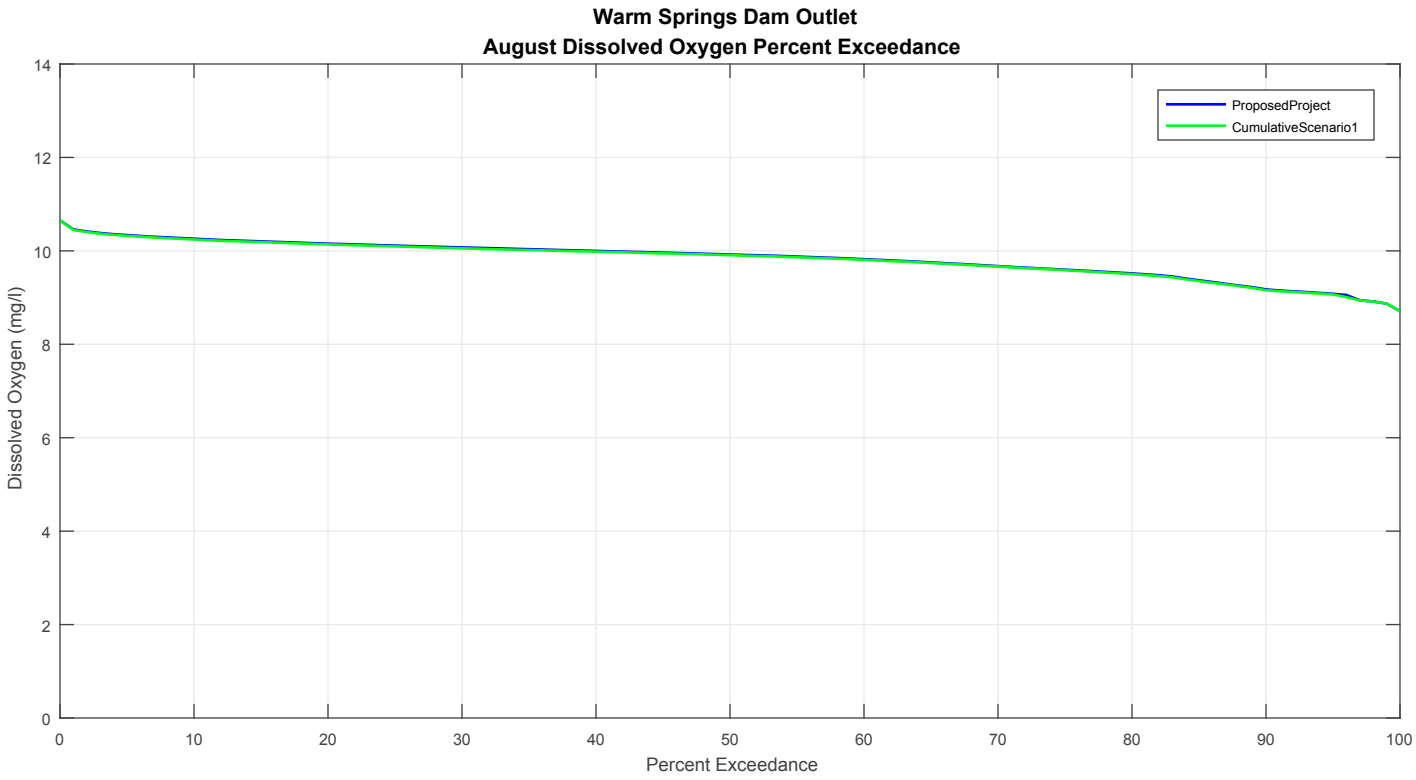
Warm Springs Dam Outlet
August Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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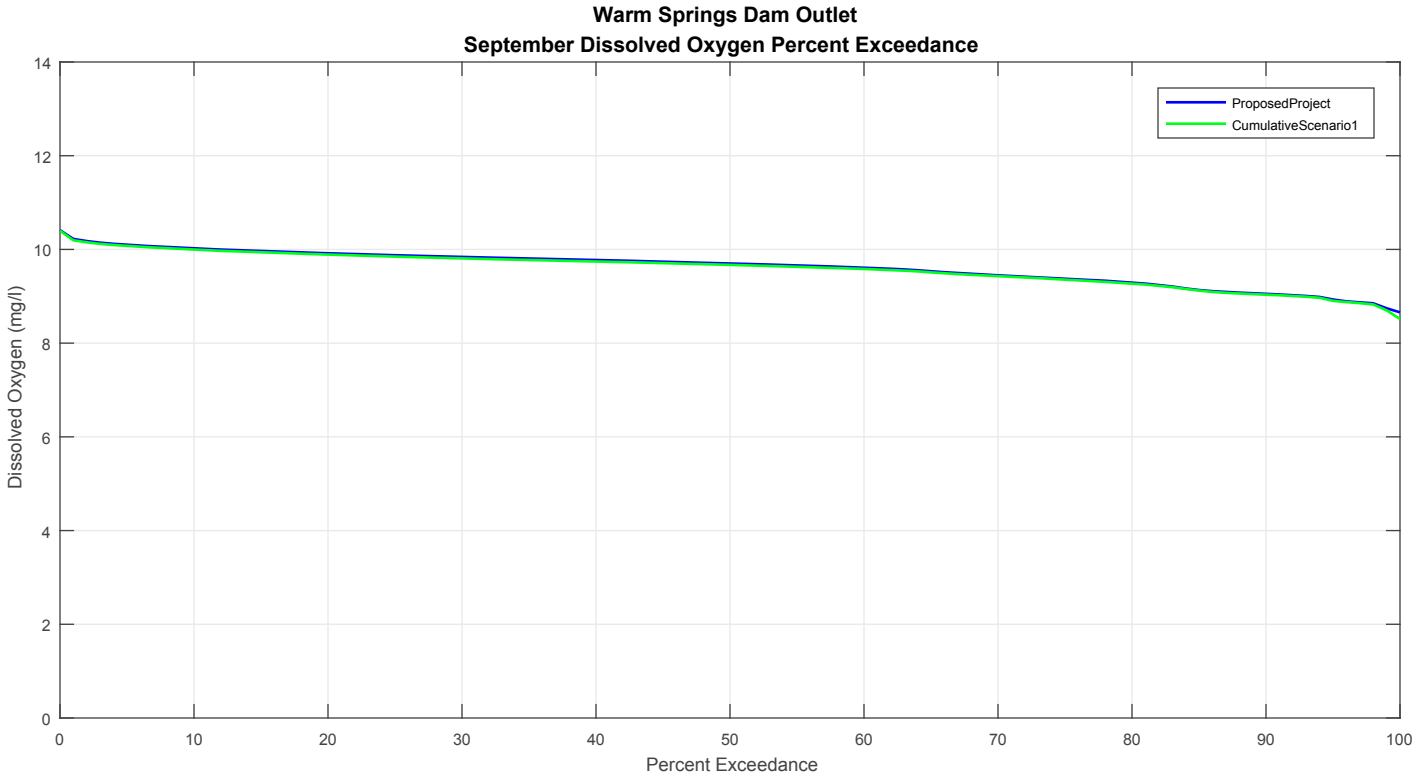
Warm Springs Dam Outlet
September Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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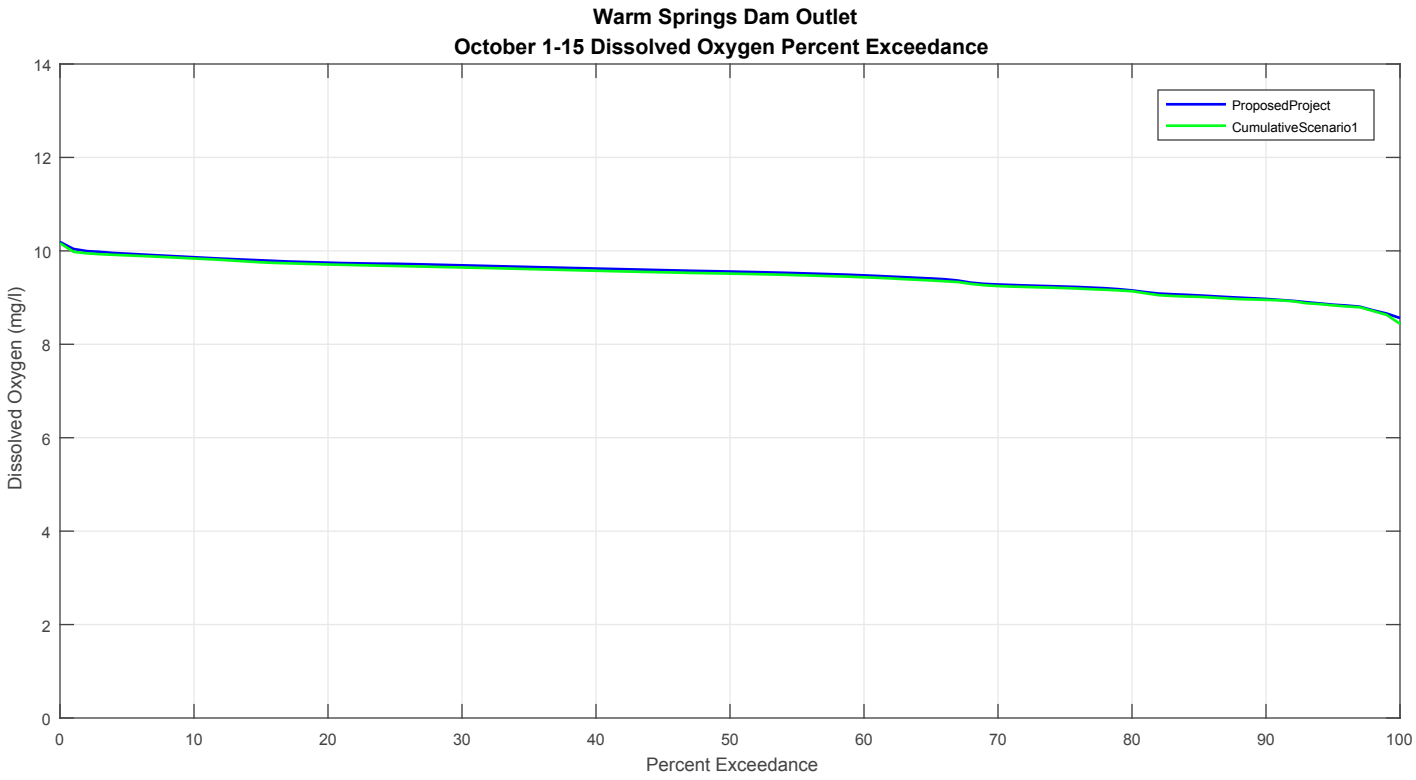
Warm Springs Dam Outlet
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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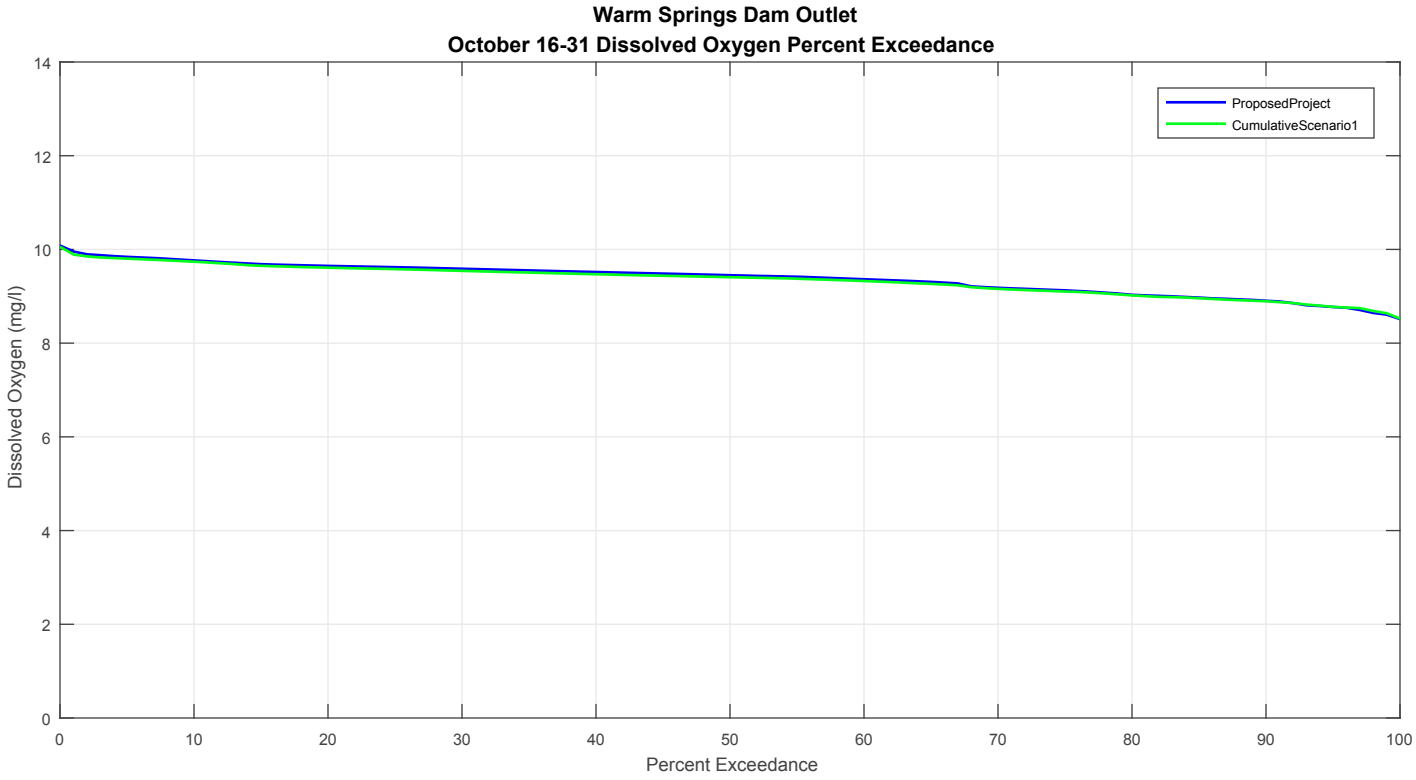
Warm Springs Dam Outlet
October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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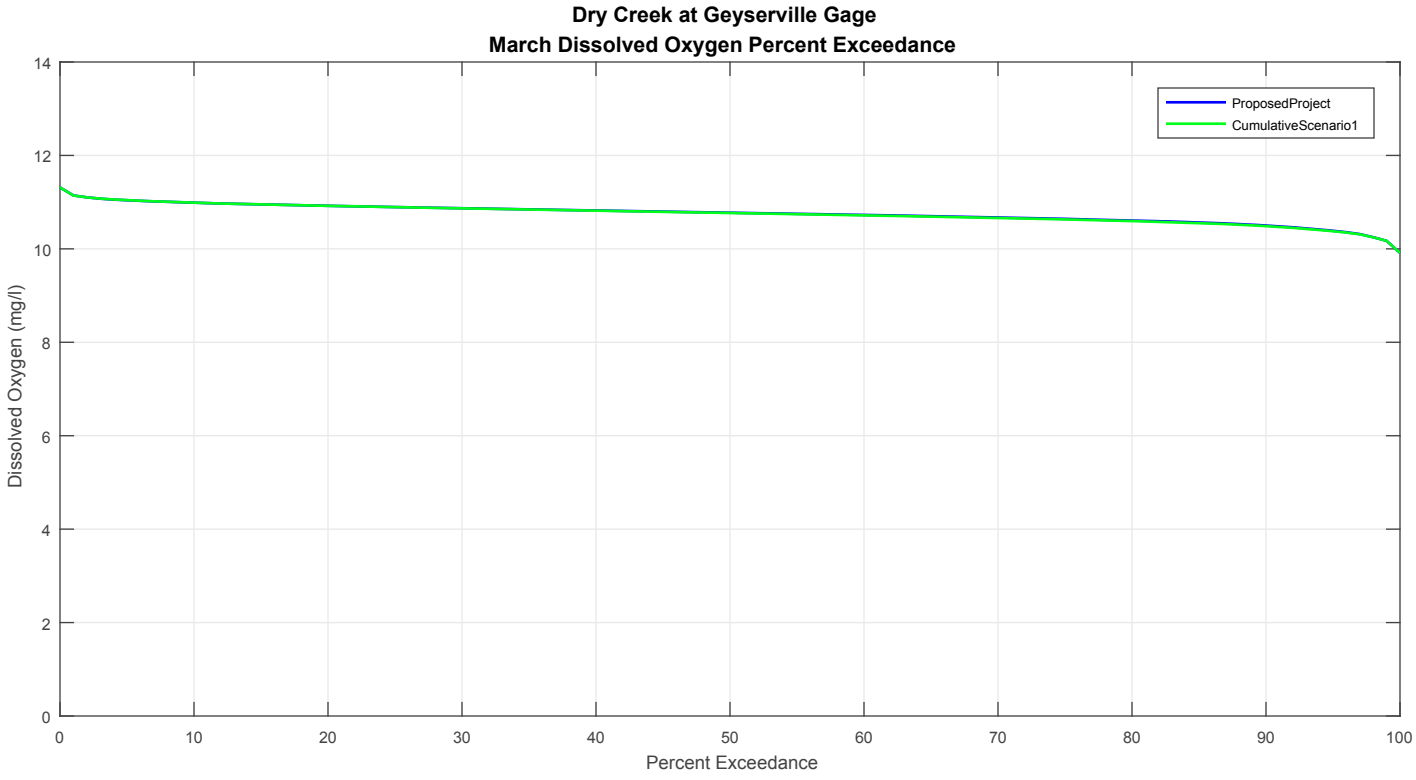
Dry Creek at Geyserville Gage
March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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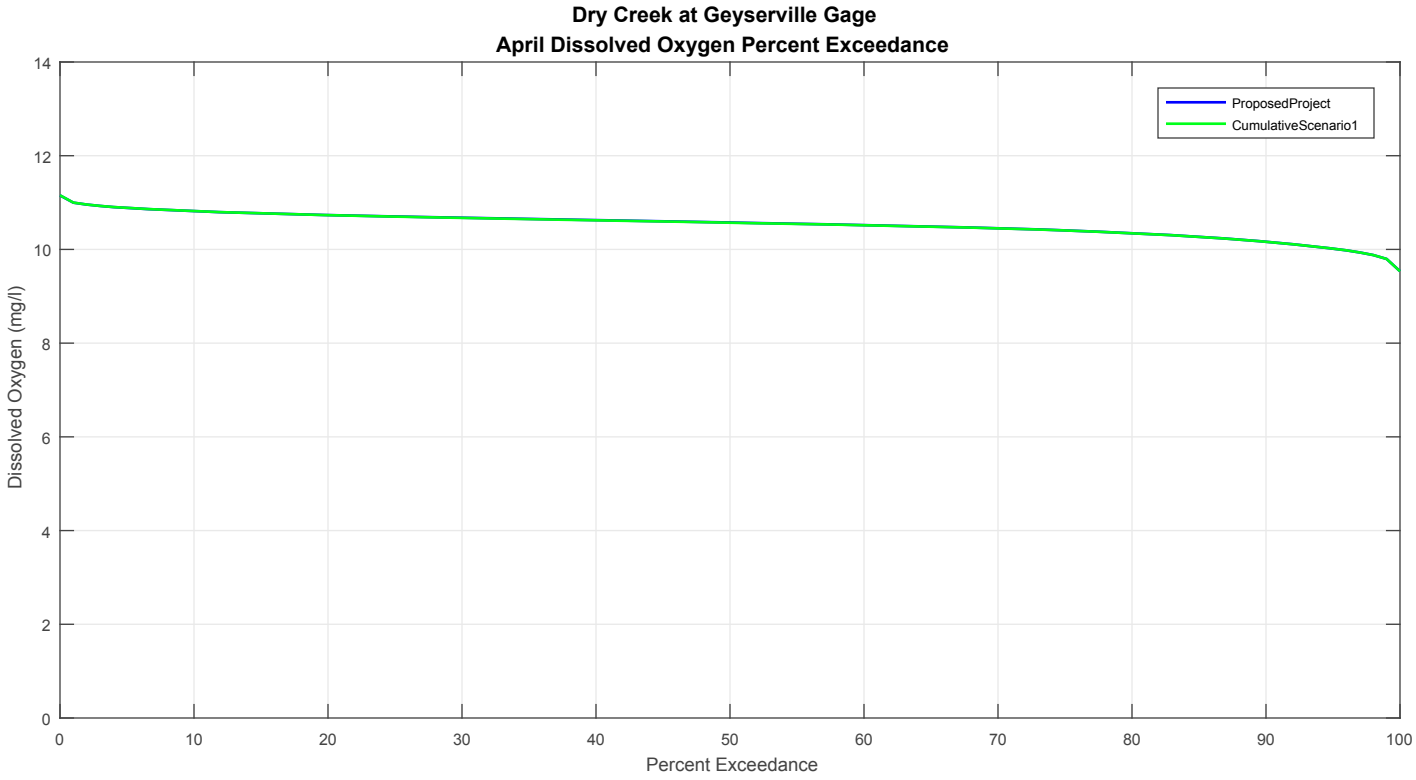
Dry Creek at Geyserville Gage
April Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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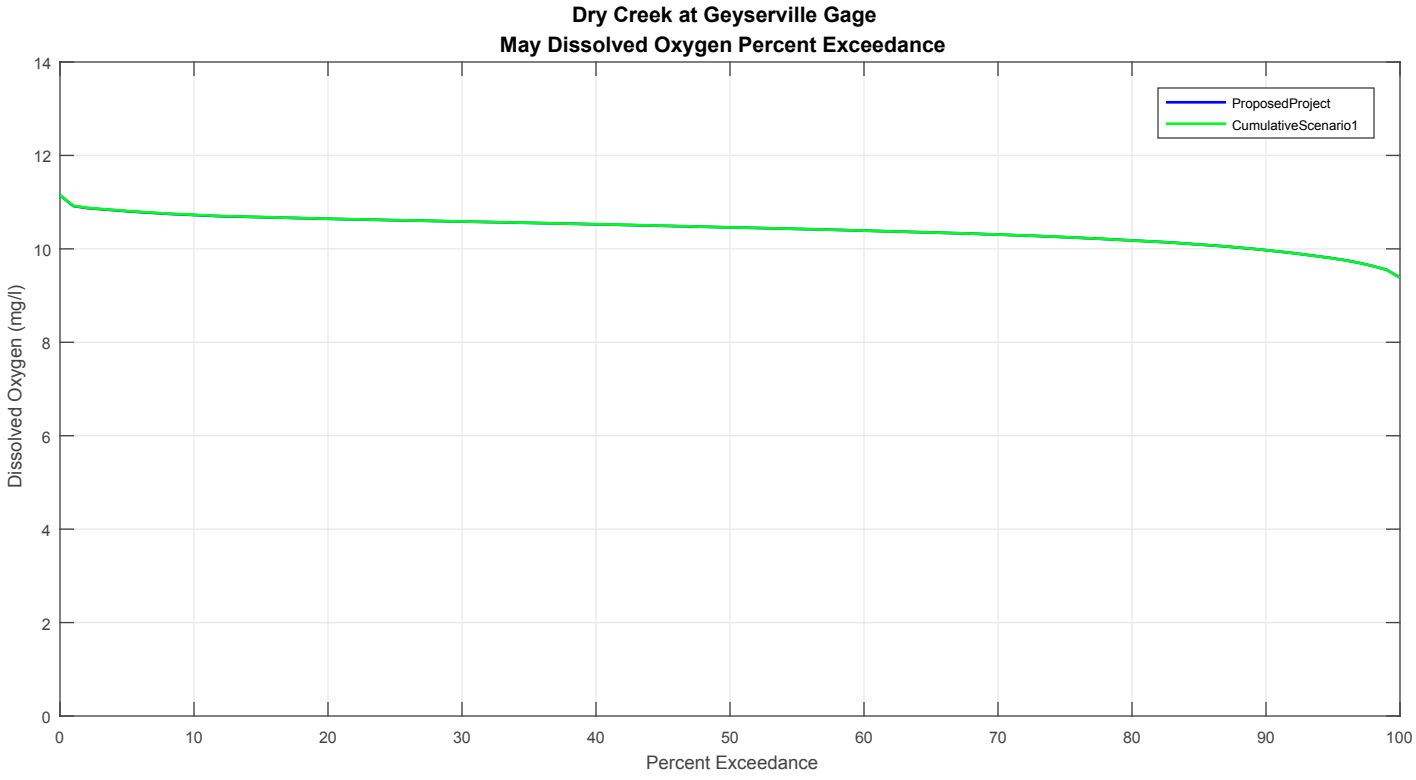
Dry Creek at Geyserville Gage
May Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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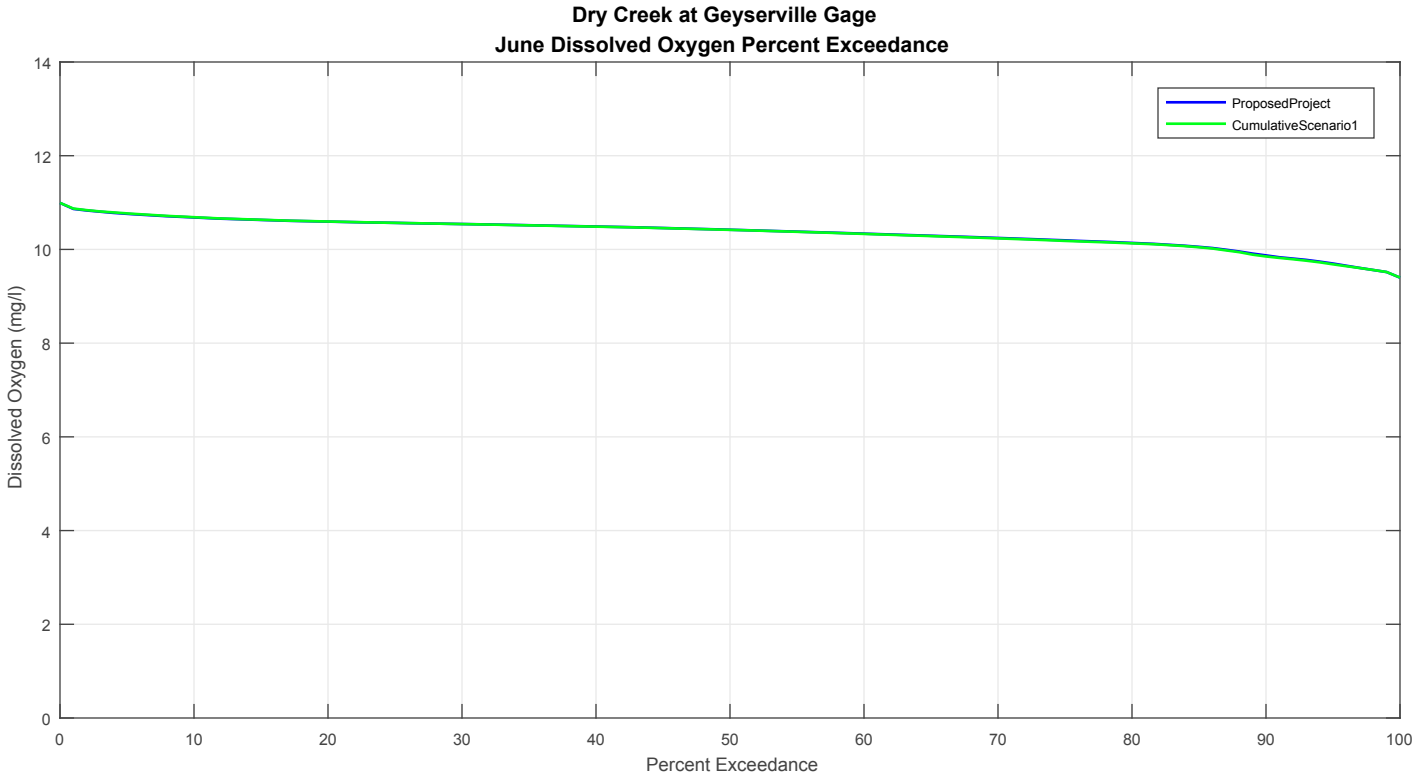
Dry Creek at Geyserville Gage
June Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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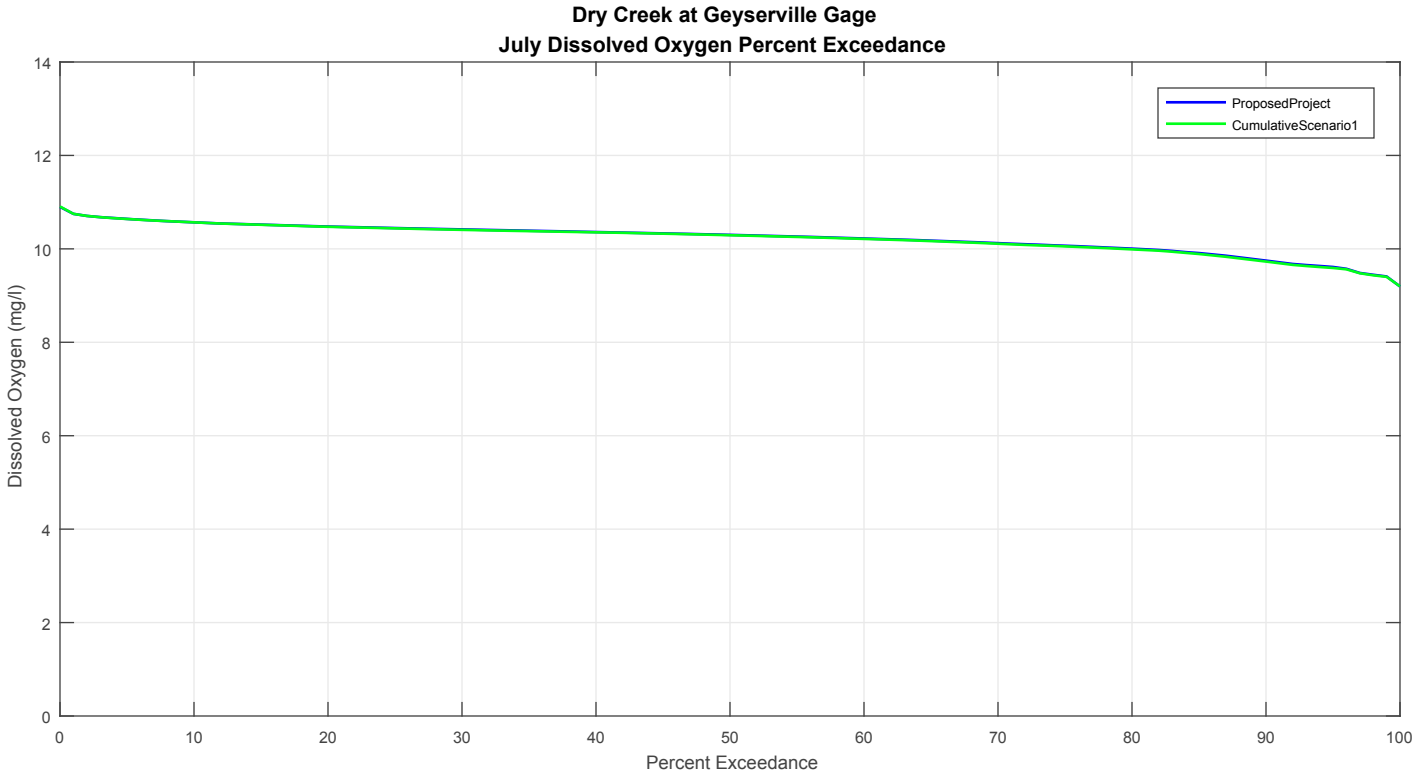
Dry Creek at Geyserville Gage
July Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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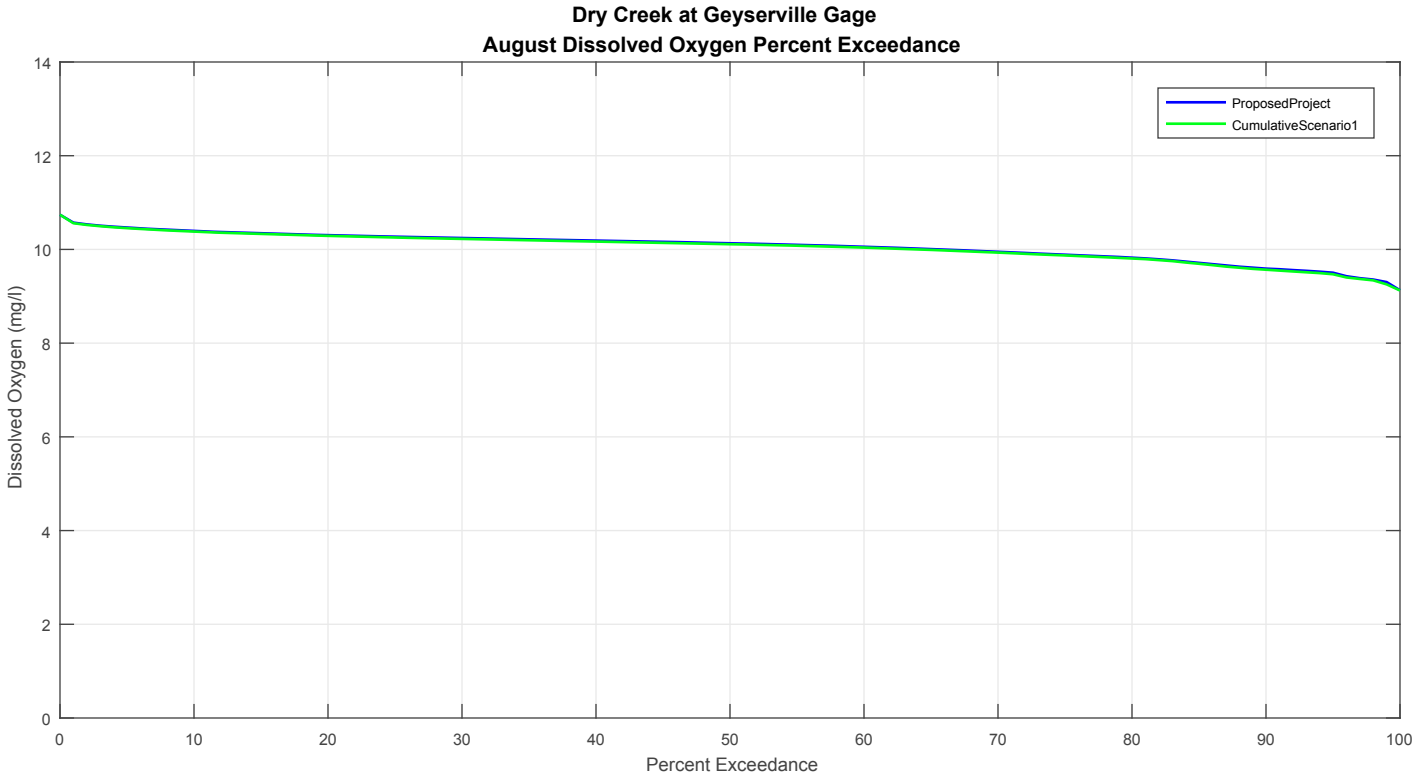
Dry Creek at Geyserville Gage
August Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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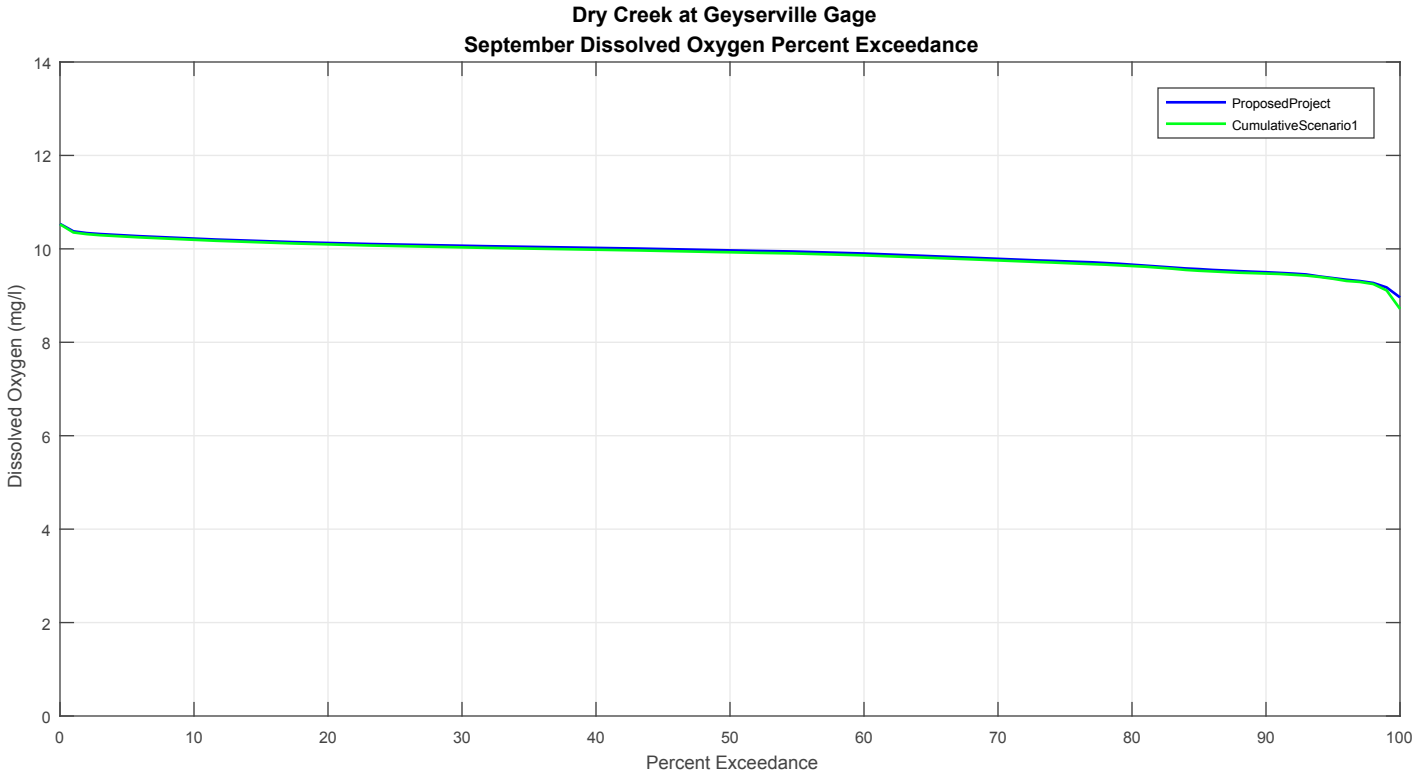
Dry Creek at Geyserville Gage
September Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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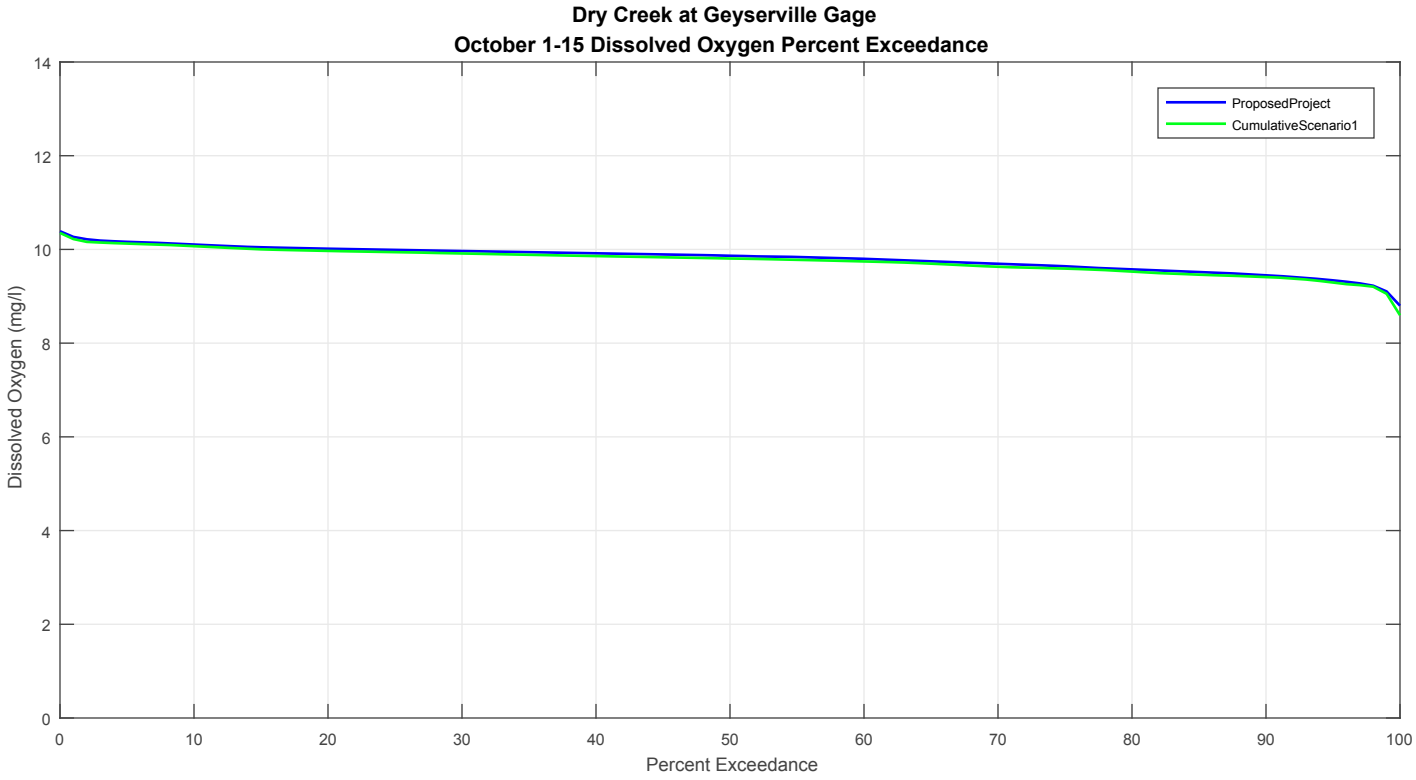
Dry Creek at Geyserville Gage
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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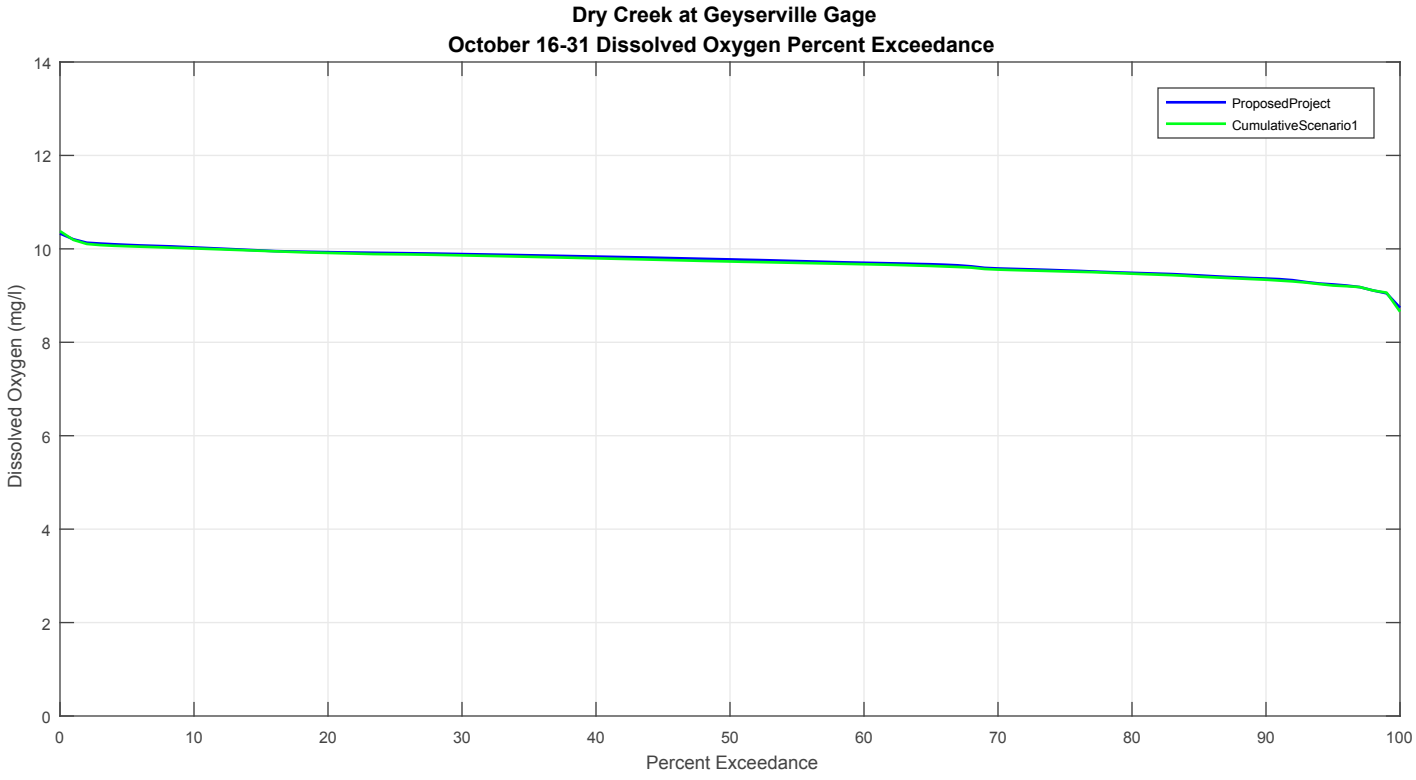
Dry Creek at Geyserville Gage
October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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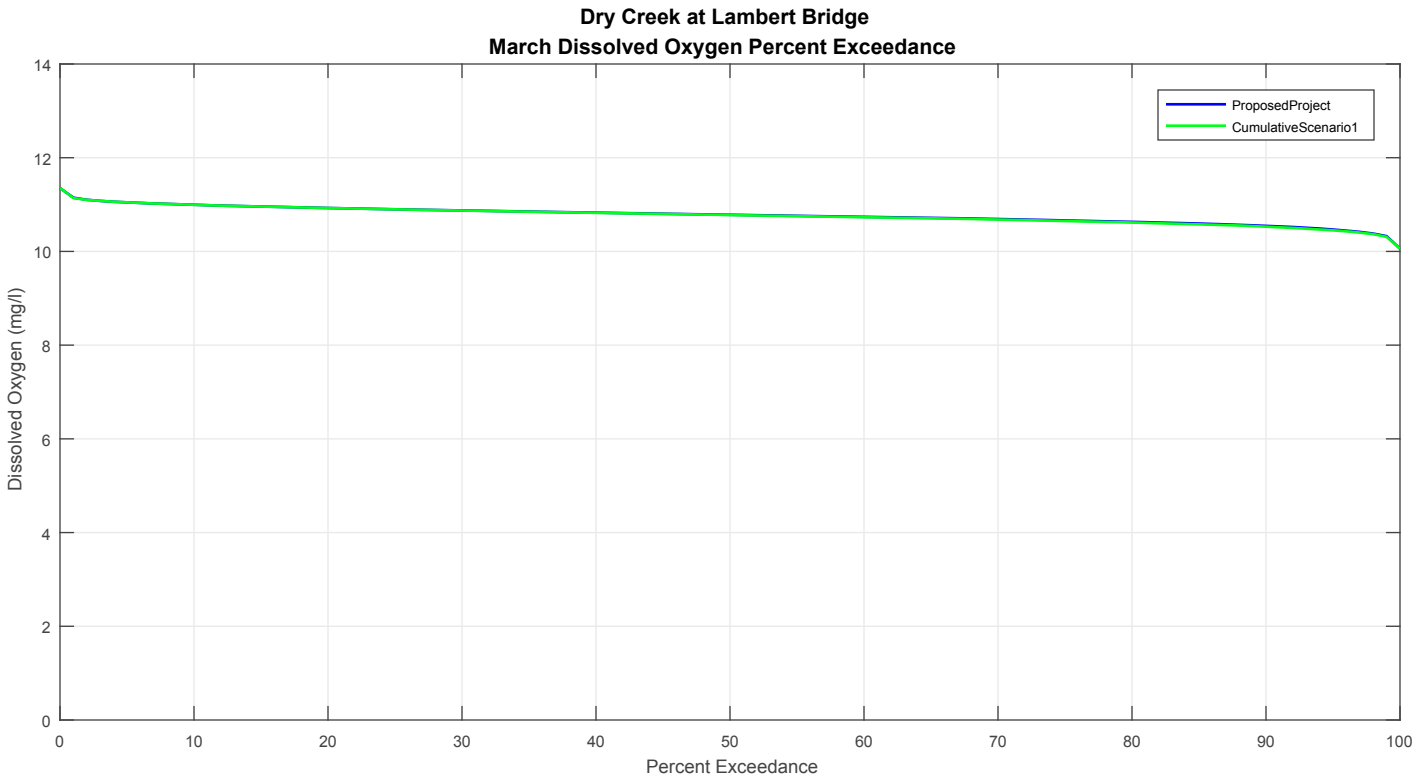
Dry Creek at Lambert Bridge
March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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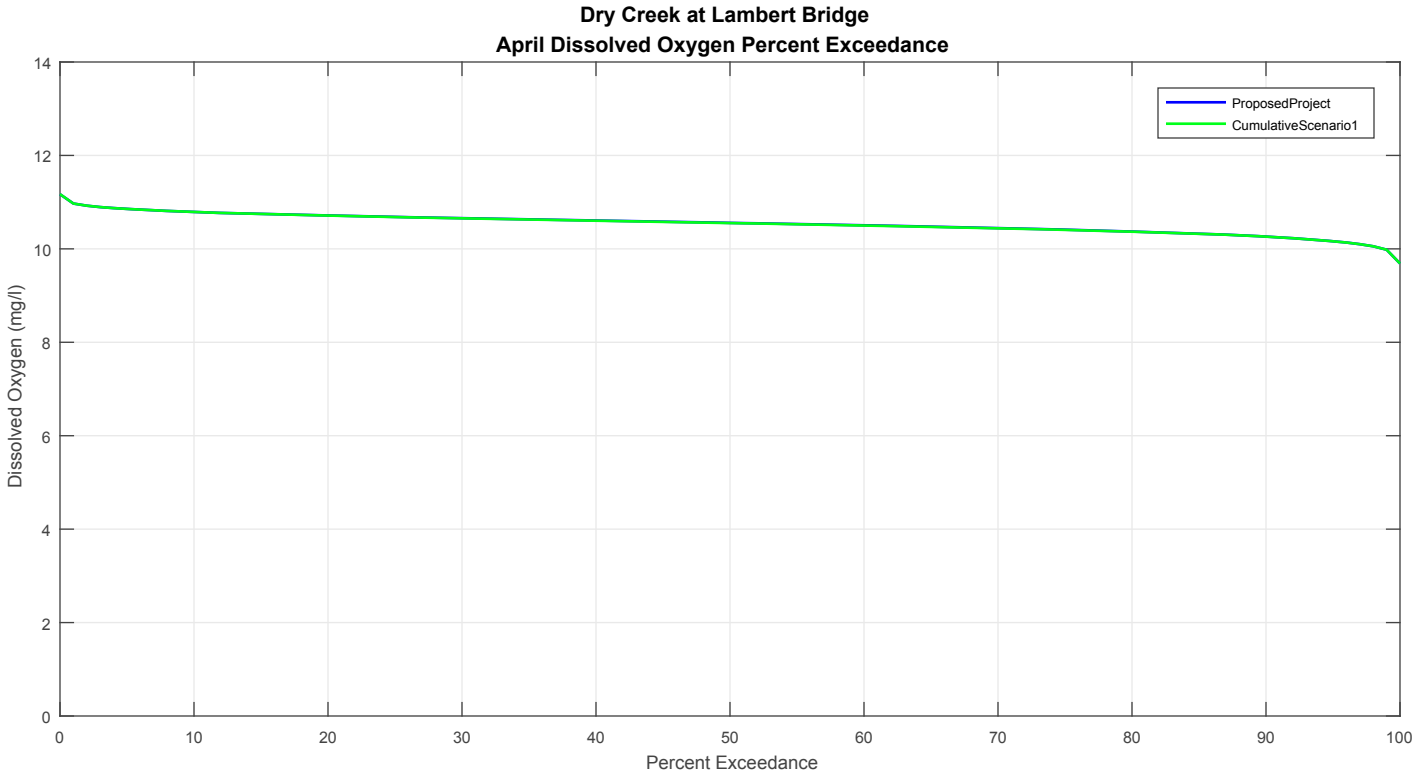
Dry Creek at Lambert Bridge
April Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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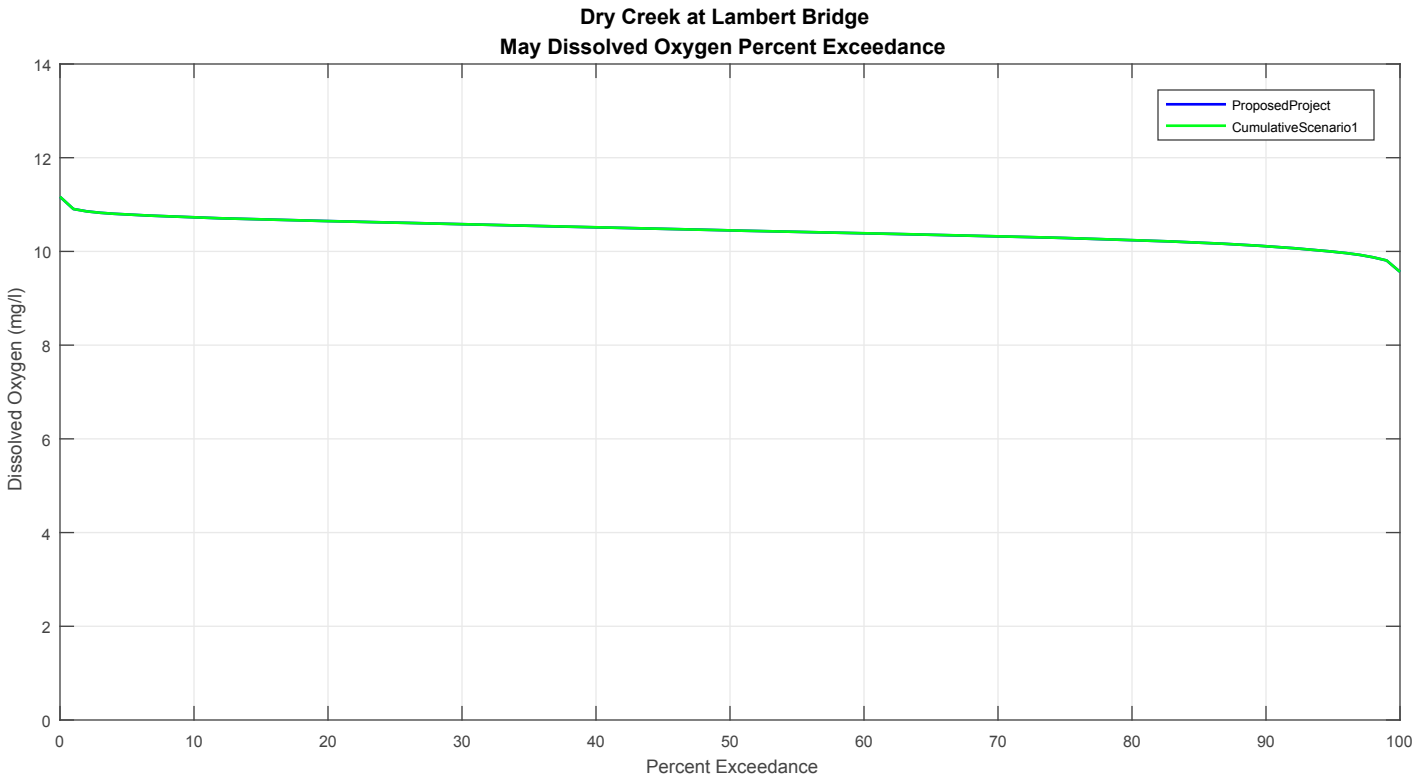
Dry Creek at Lambert Bridge
May Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
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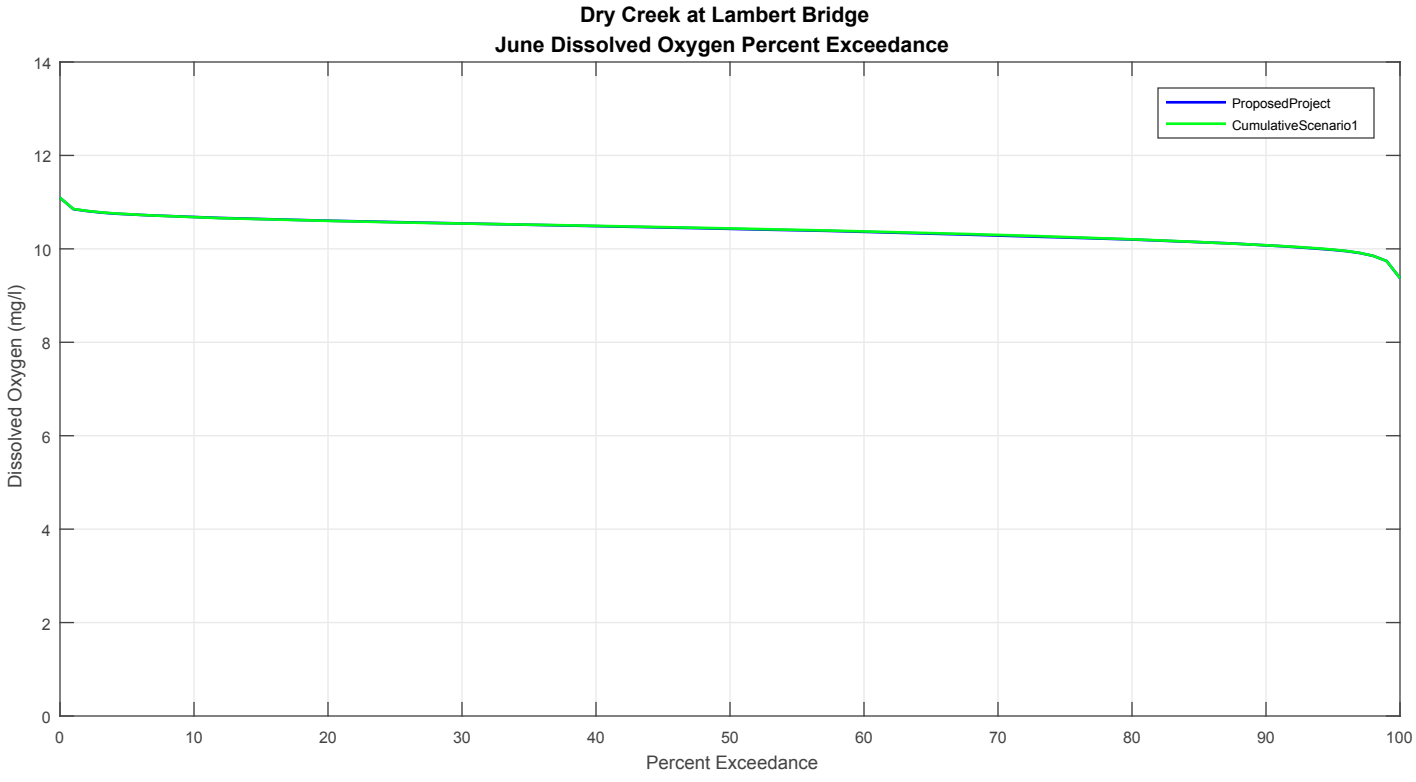
Dry Creek at Lambert Bridge
June Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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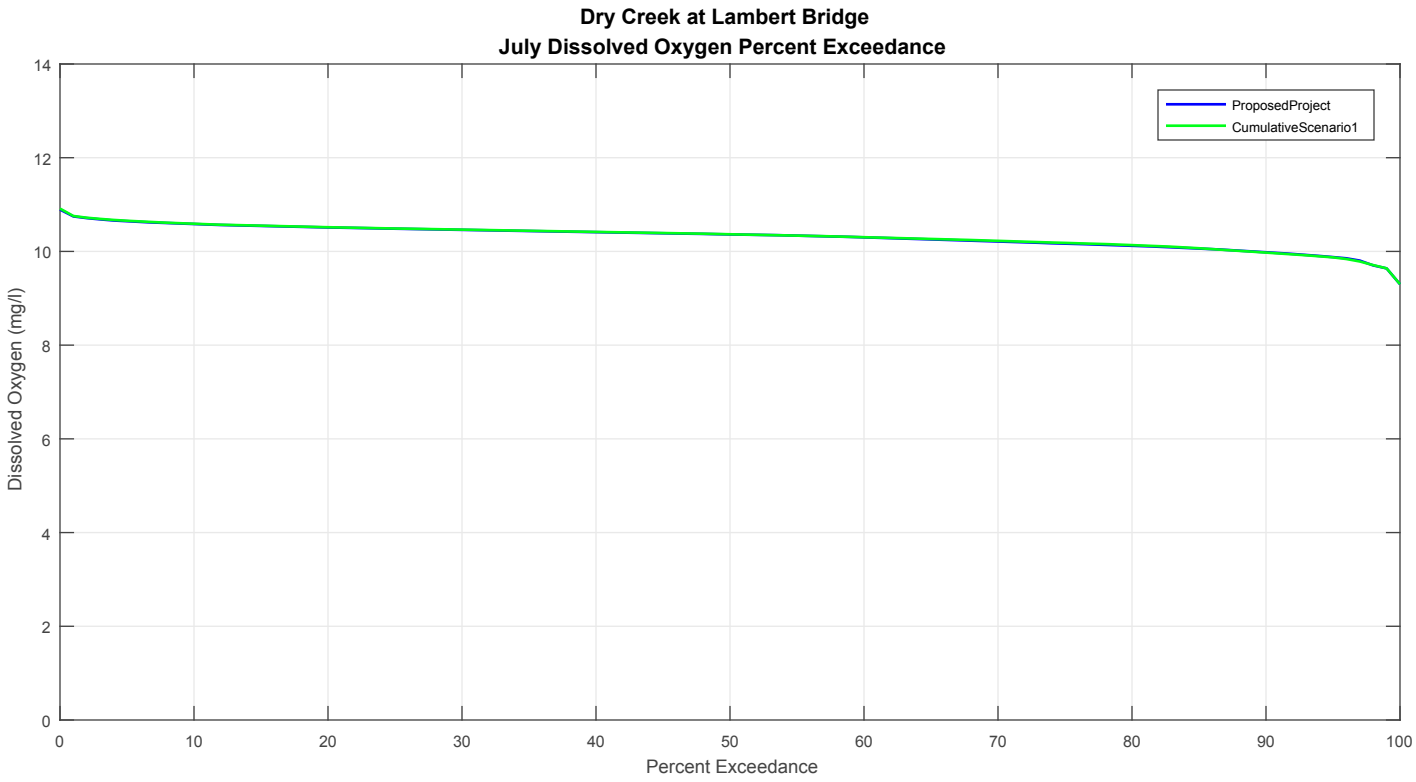
Dry Creek at Lambert Bridge
July Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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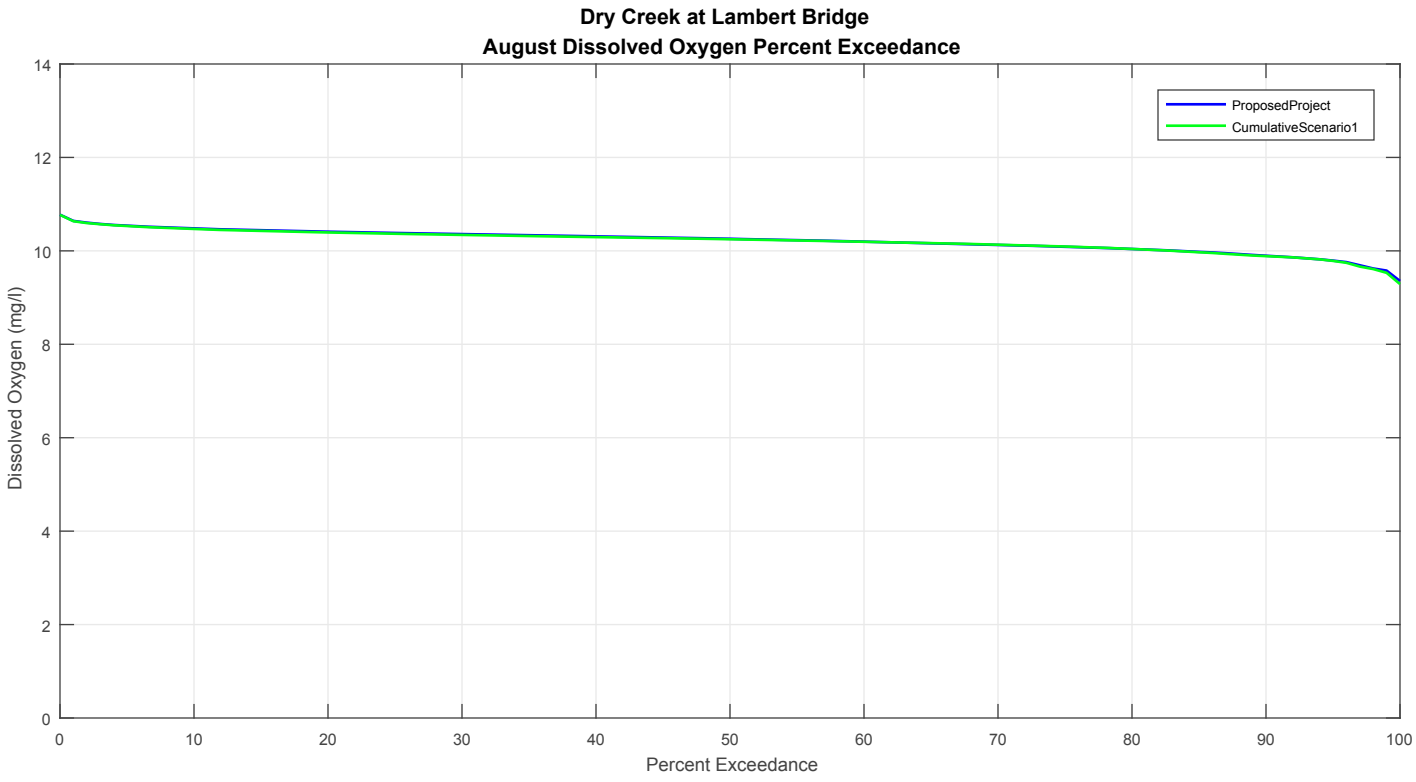
Dry Creek at Lambert Bridge
August Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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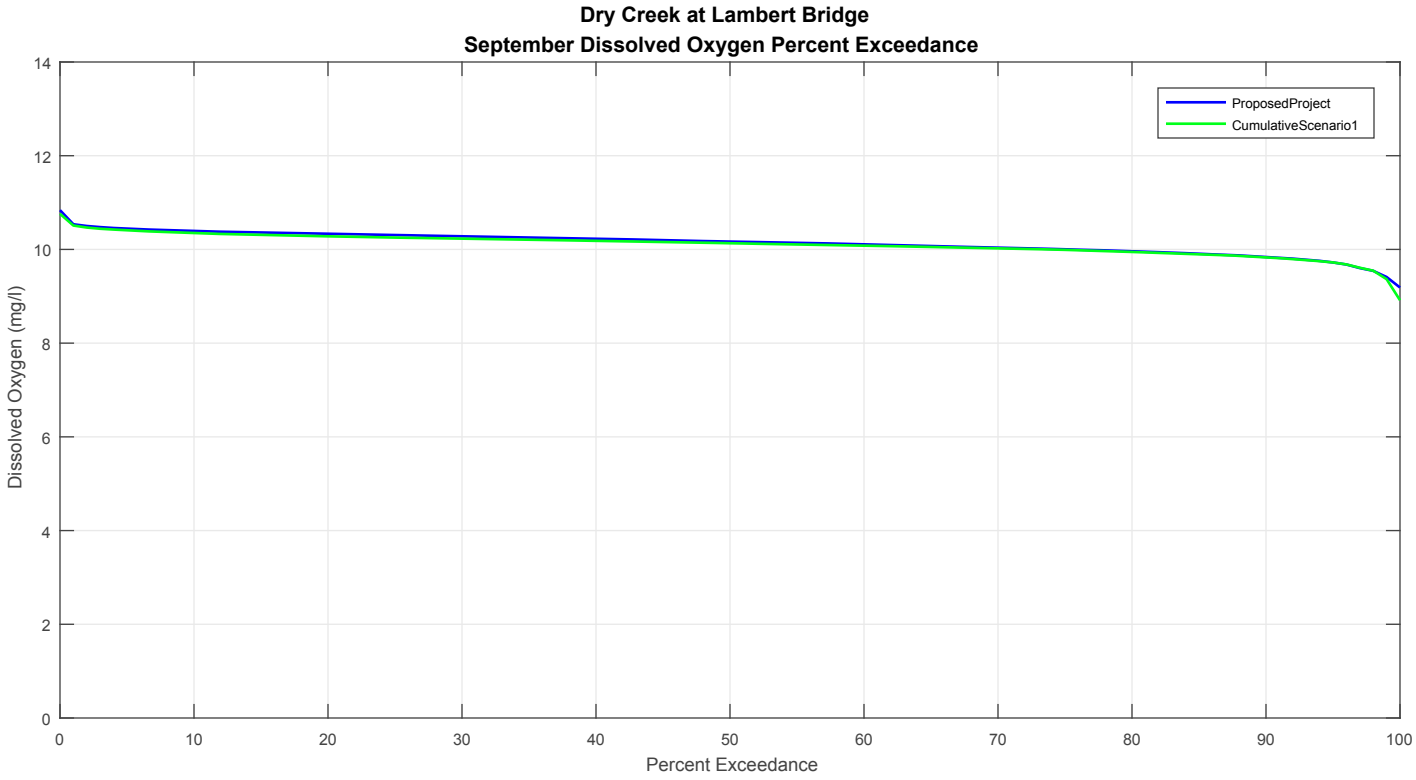
Dry Creek at Lambert Bridge
September Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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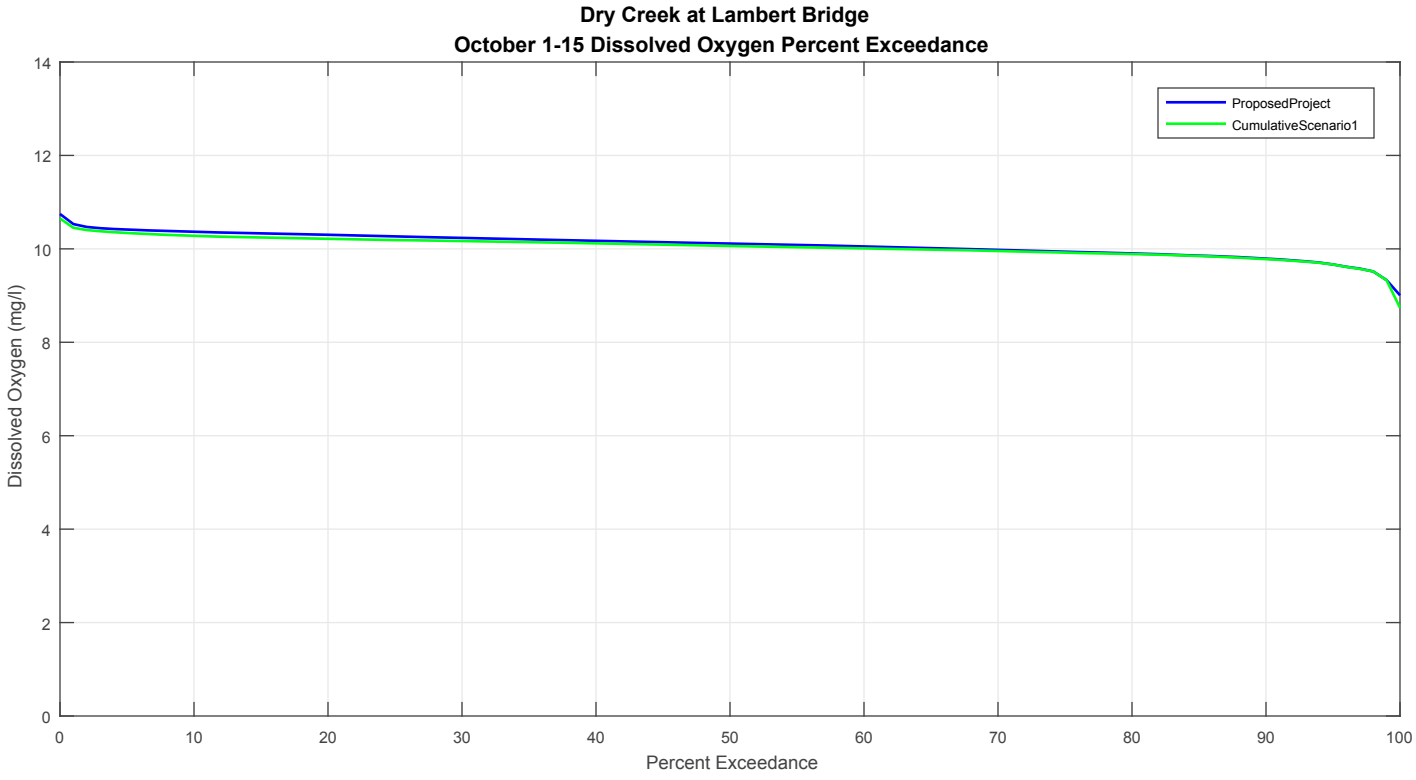
Dry Creek at Lambert Bridge
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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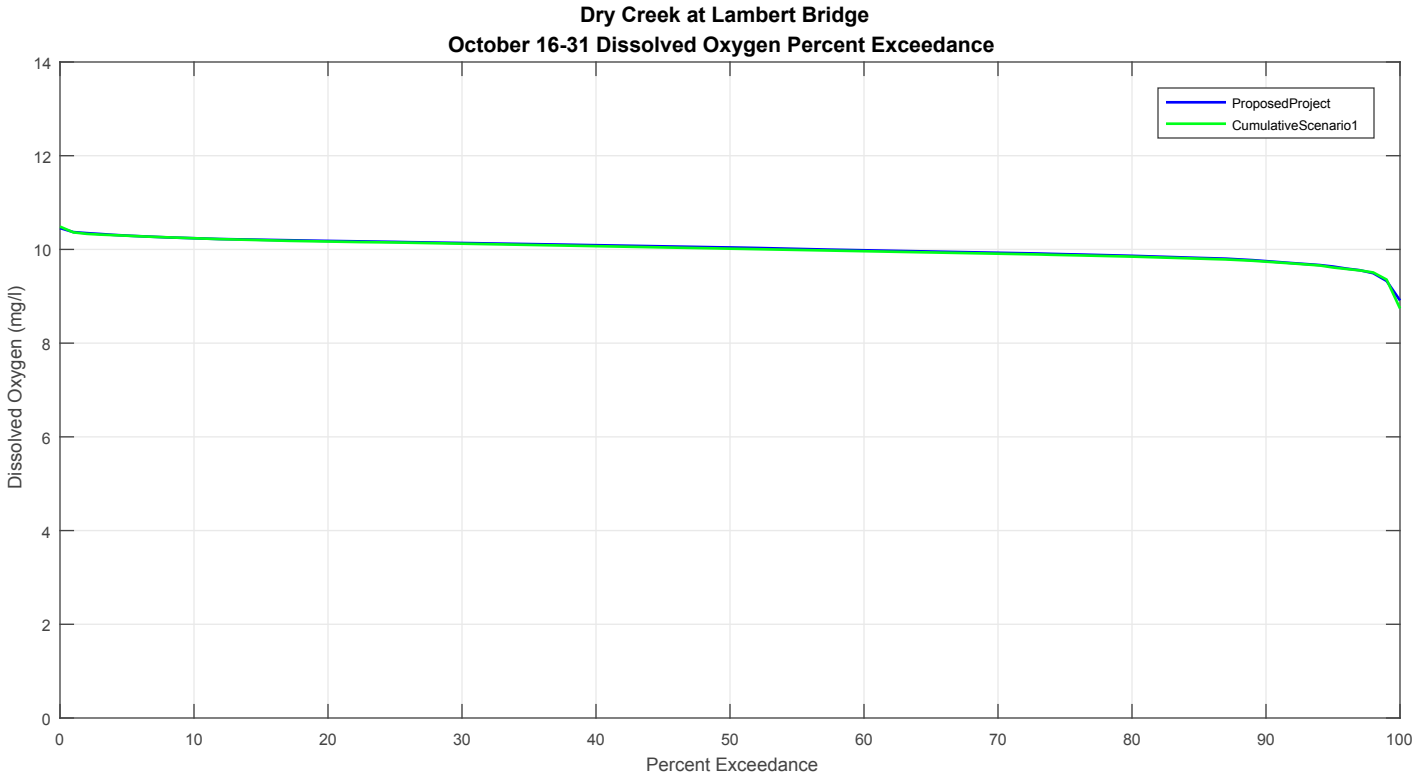
Dry Creek at Lambert Bridge
October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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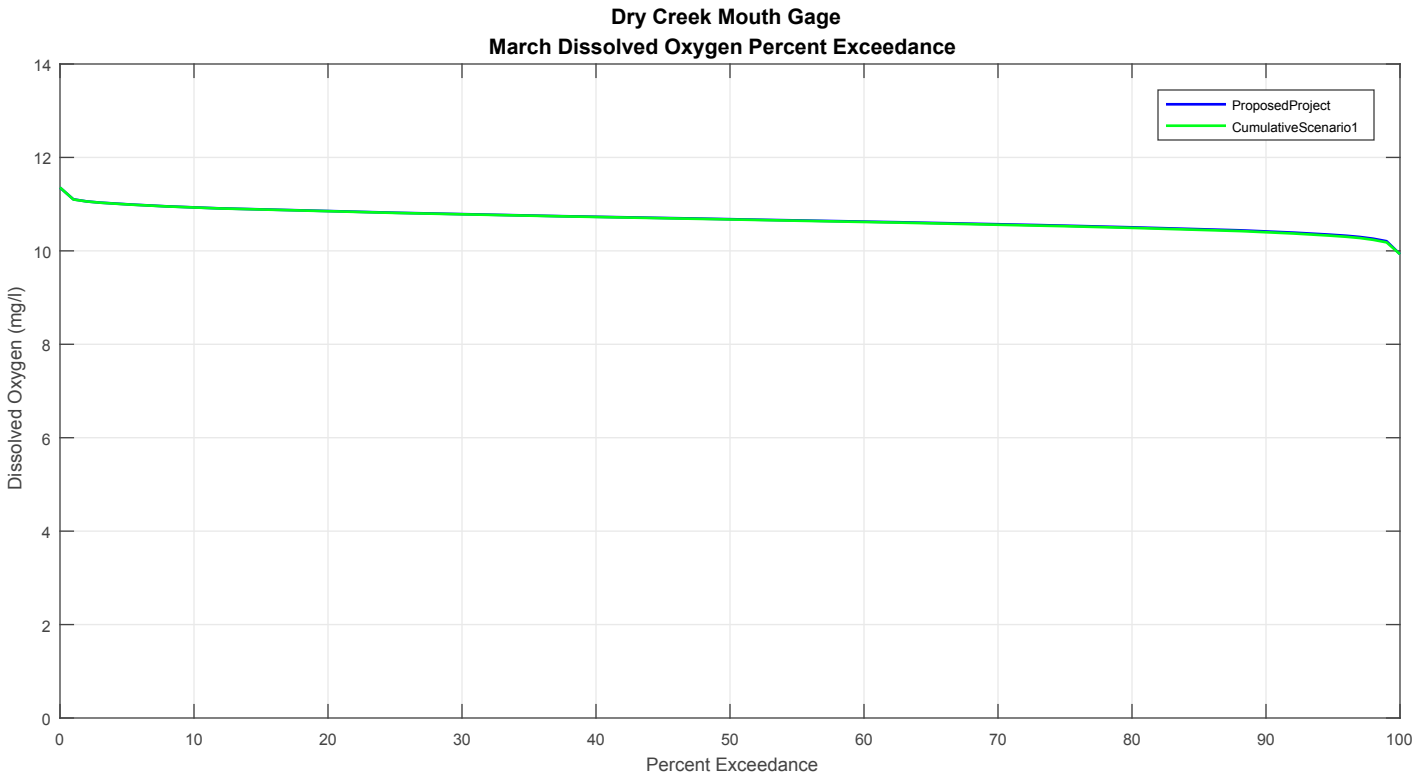
Dry Creek Mouth Gage
March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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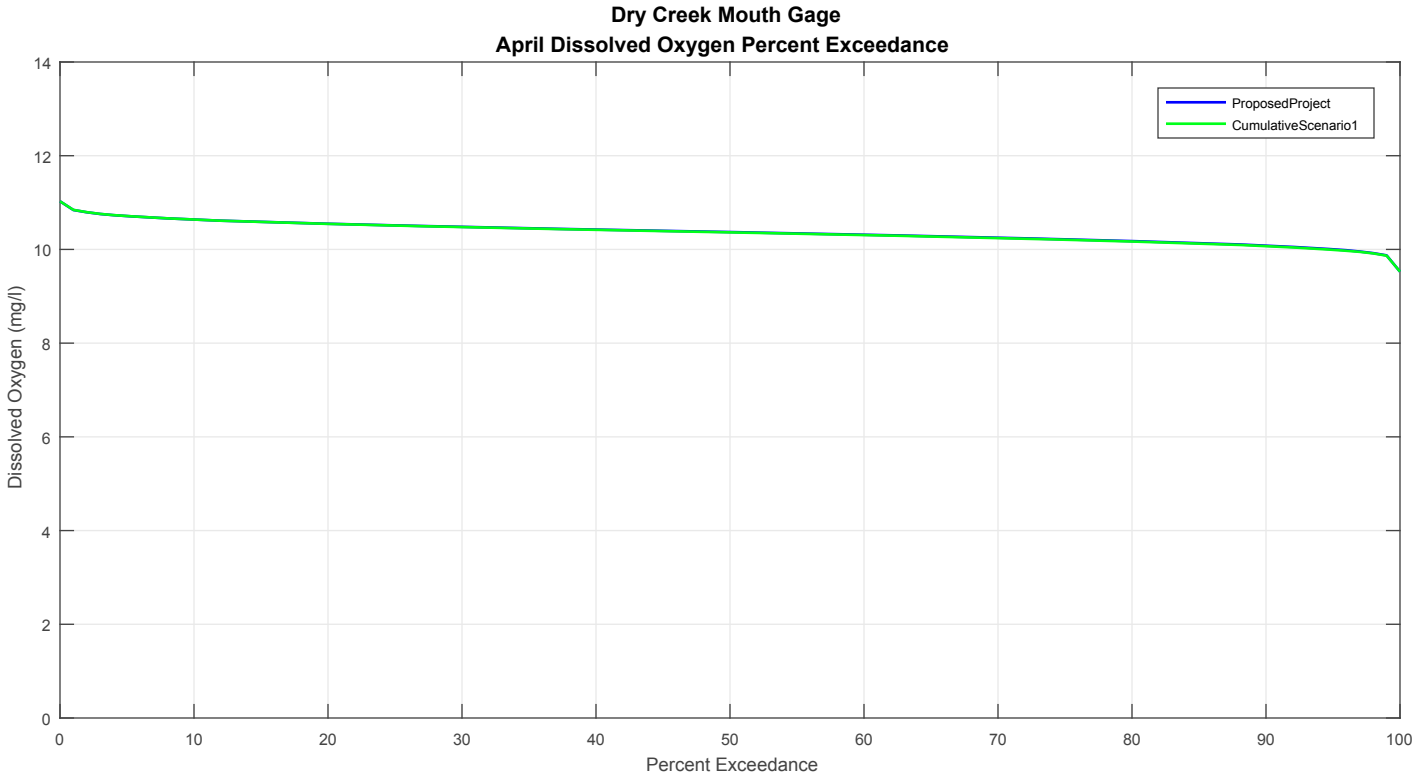
Dry Creek Mouth Gage
April Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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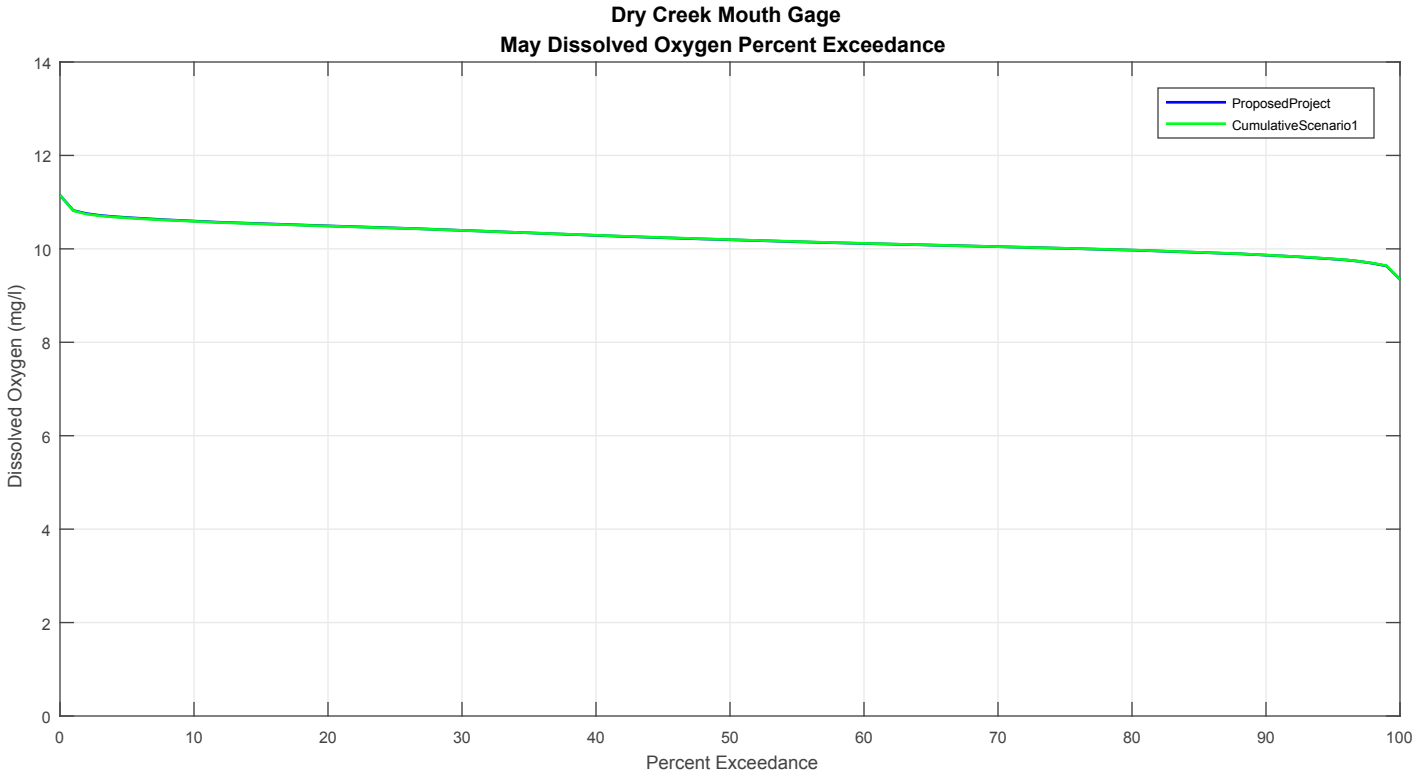
Dry Creek Mouth Gage
May Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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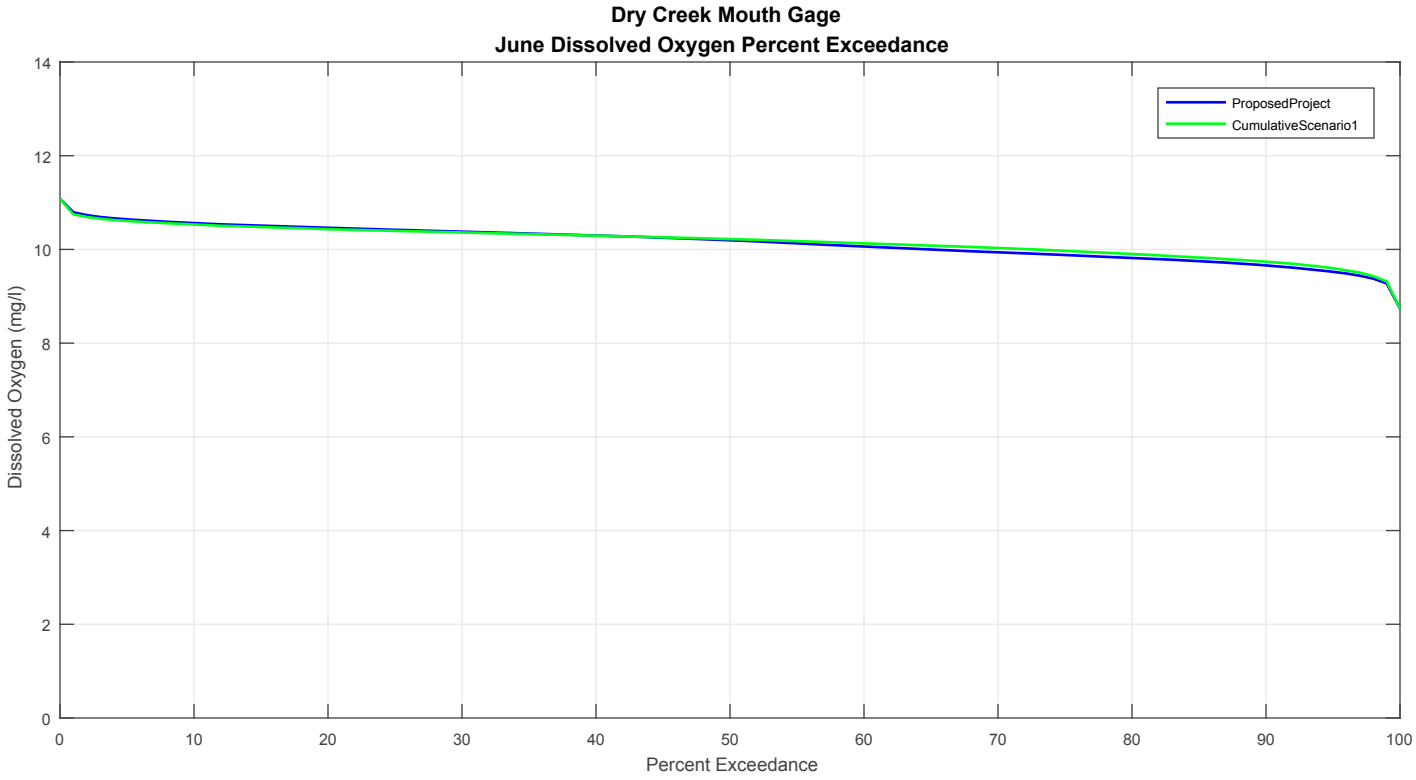
Dry Creek Mouth Gage
June Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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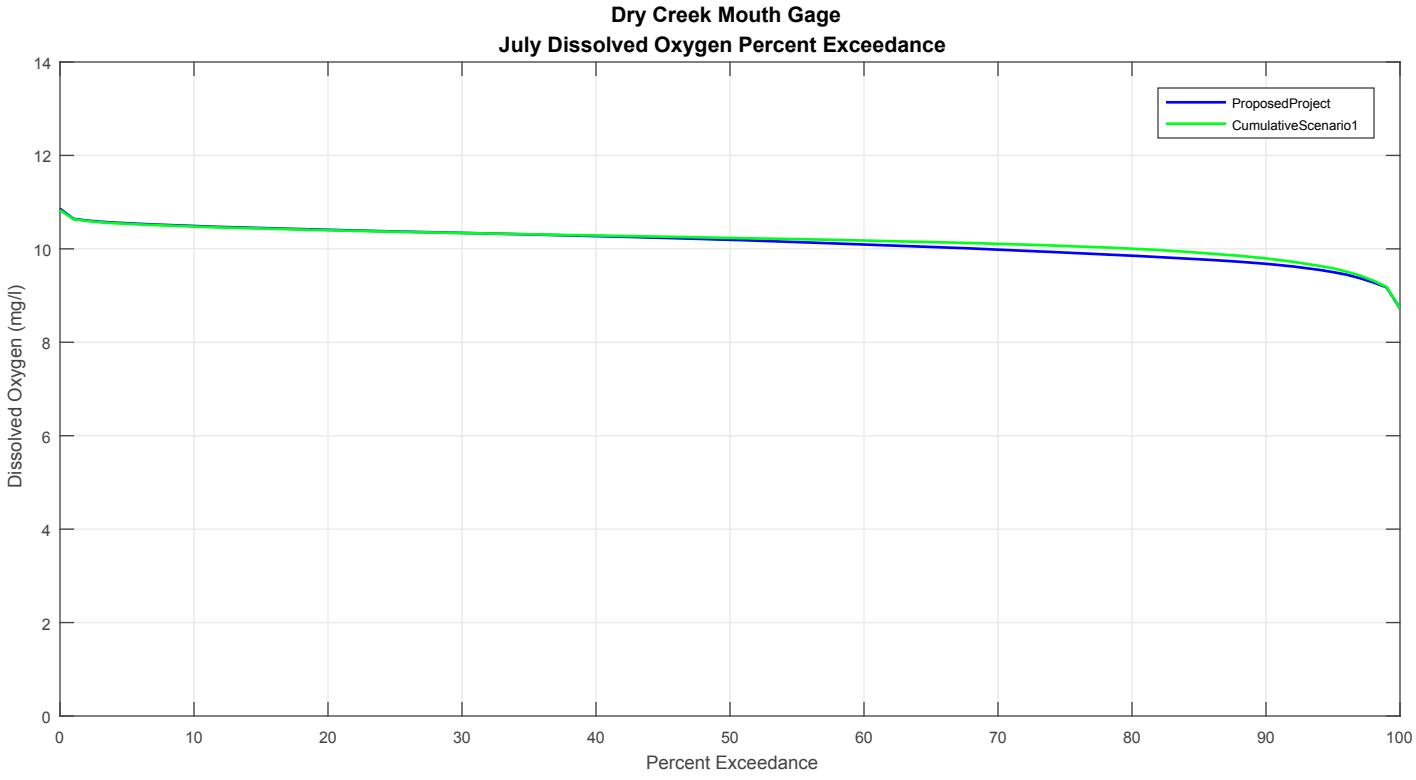
Dry Creek Mouth Gage
July Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
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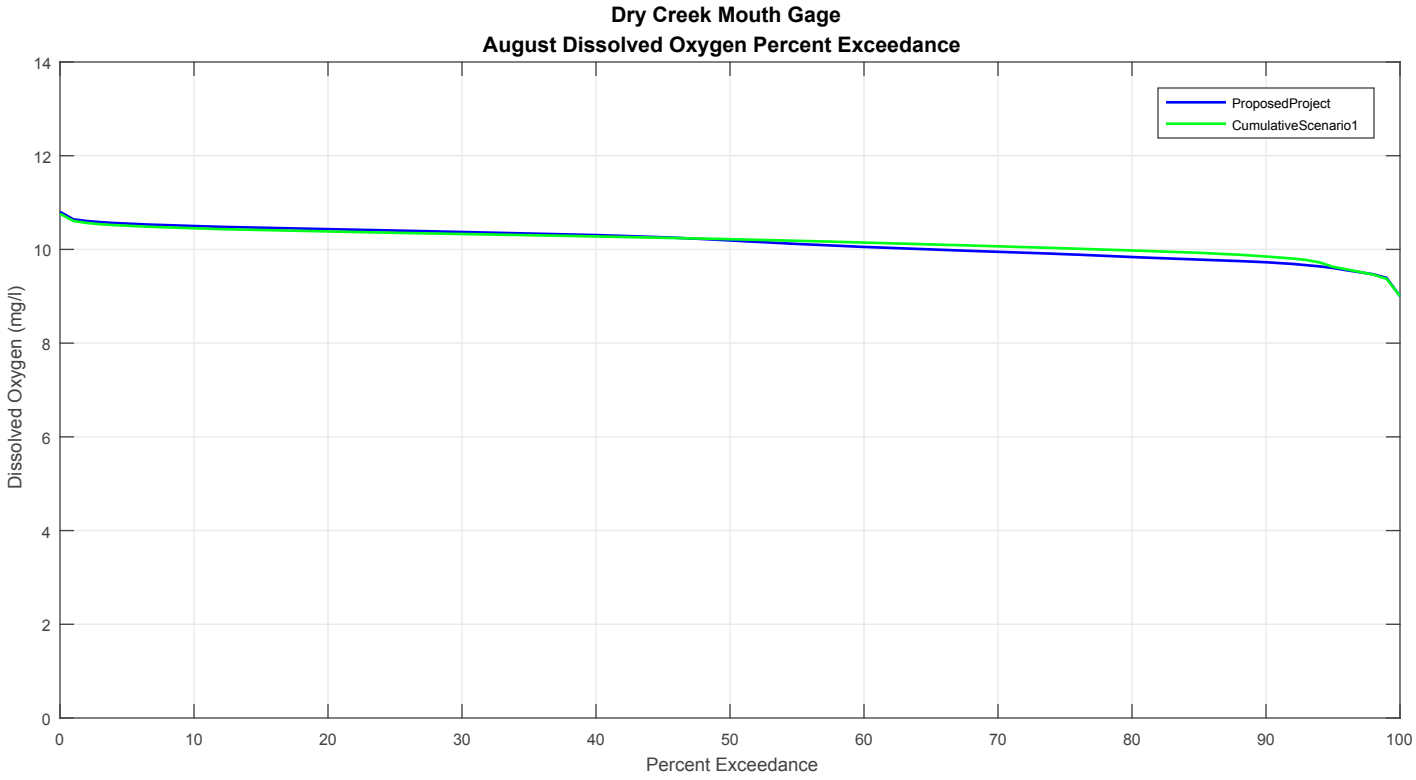
Dry Creek Mouth Gage
August Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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4
6
8
10
12
14
0
10
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30
40
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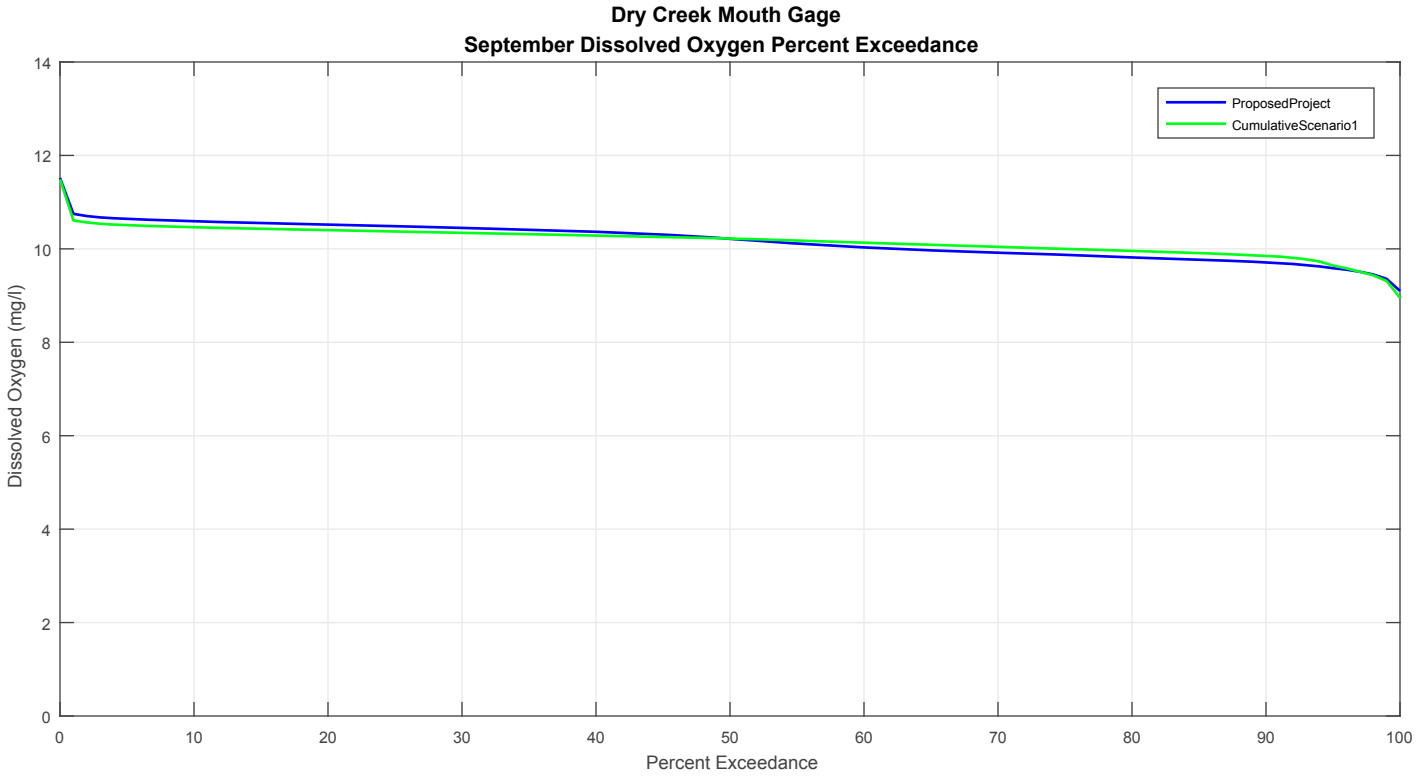
70
80
90
100


Dry Creek Mouth Gage
September Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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6
8
10
12
14
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10
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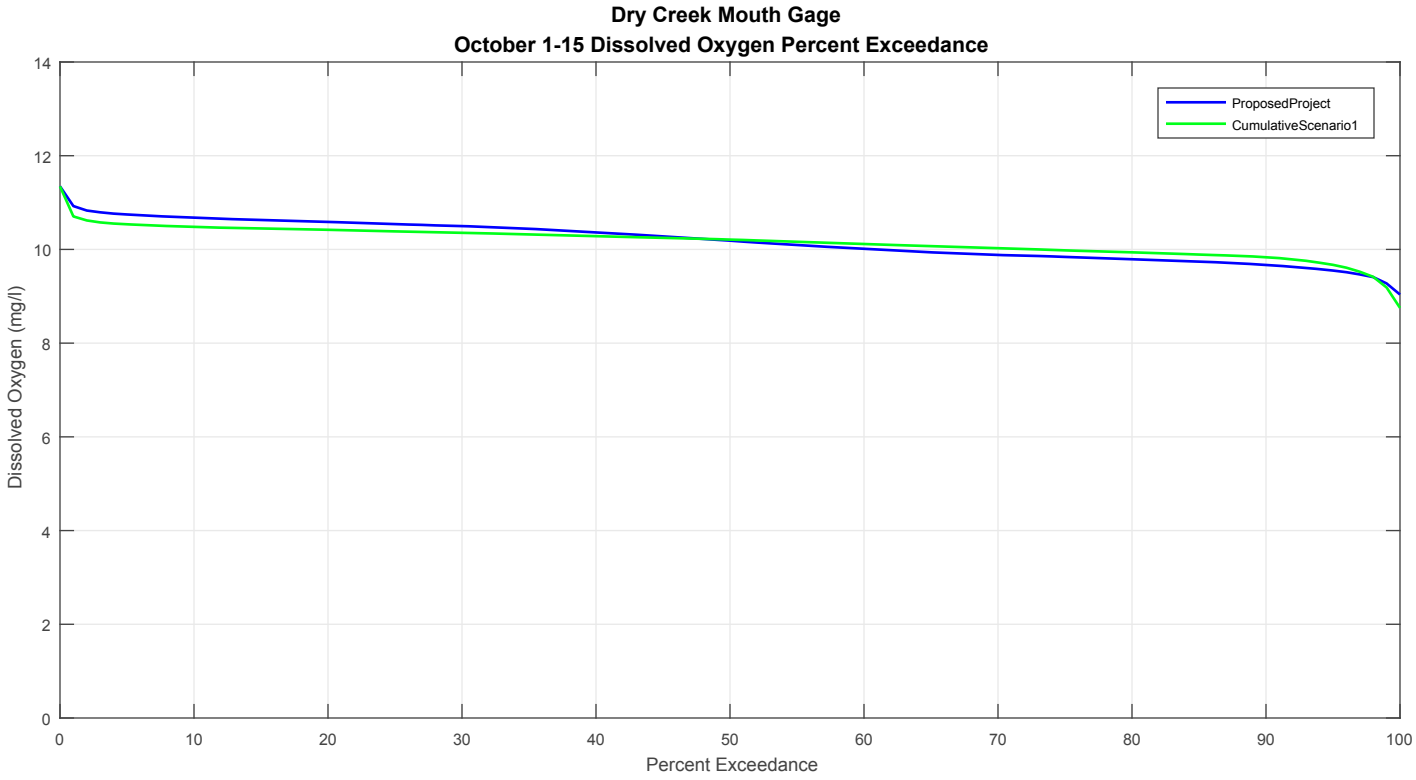
30
40
50
60
70
80
90
100


Dry Creek Mouth Gage
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
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2
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6
8
10
12
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30
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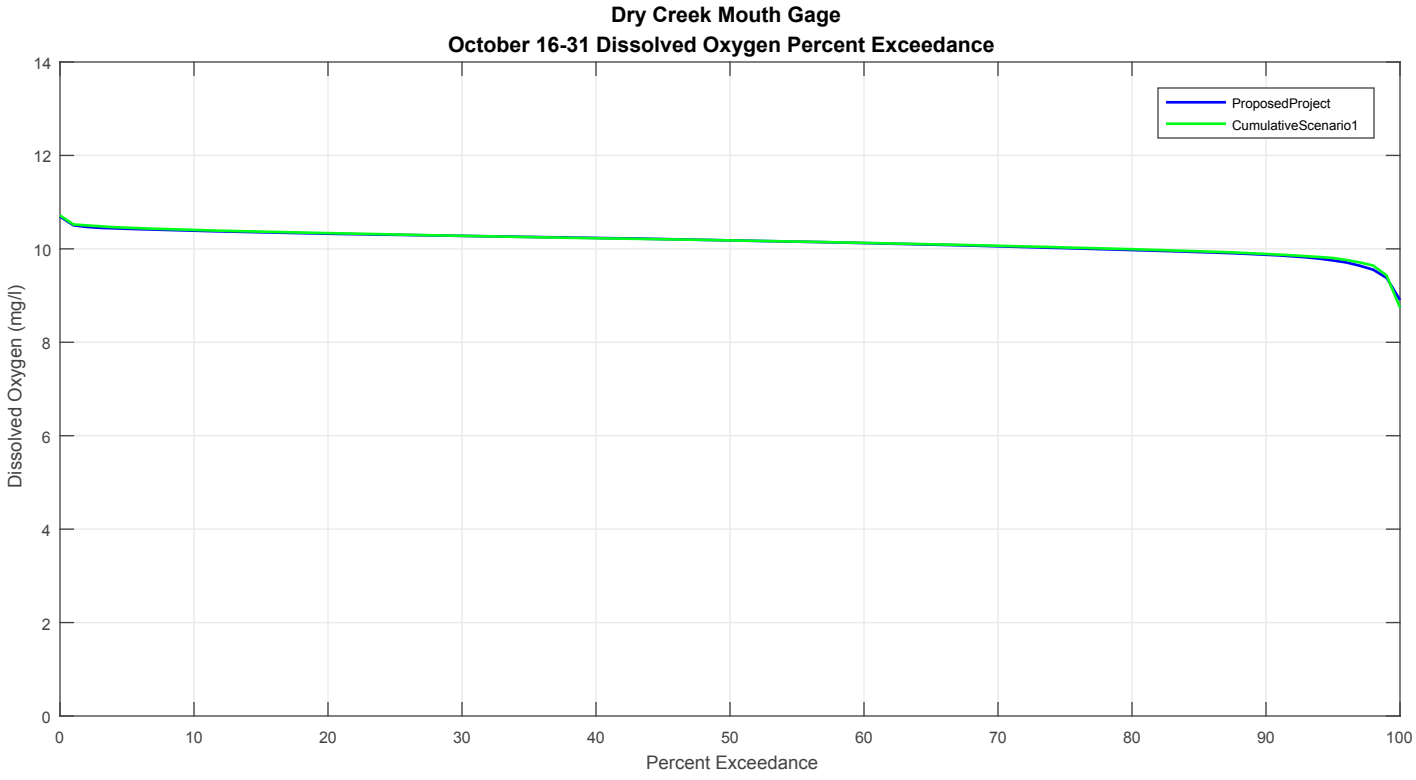
80
90
100

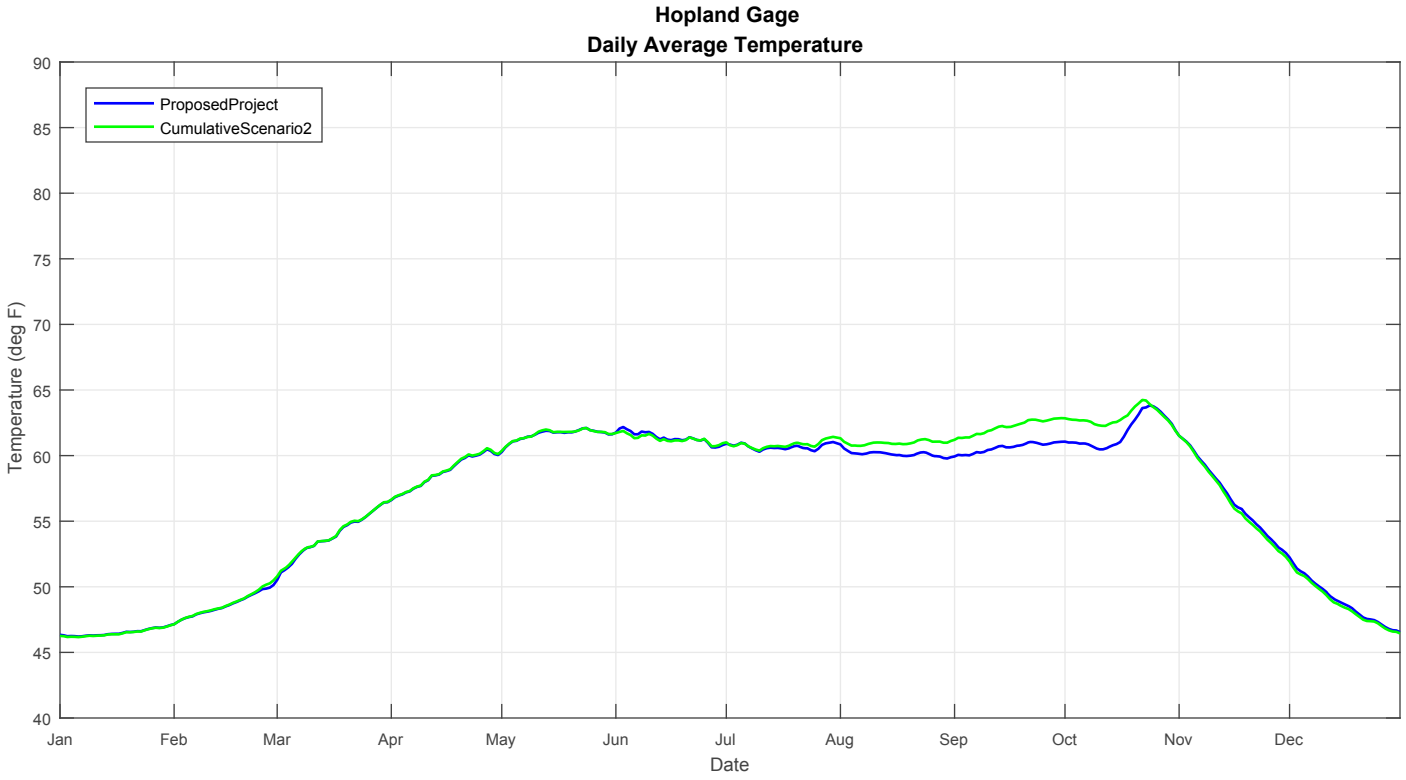

Dry Creek Mouth Gage
October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario1
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
14
0
10
20
30
40
50
60
70
80
90
100

**Errata Item 6**

**Appendix G, Modeling Reports**

**Russian River Hydrologic Modeling for the Fish Habitat Flow and Water Rights Project, Attachment 5**

**Pages: 15 - 19, 22 - 26, 119 - 163, 177 - 221**


Hopland Gage
Daily Average Temperature
ProposedProject
CumulativeScenario2
Temperature (deg F)
90
85
80
75
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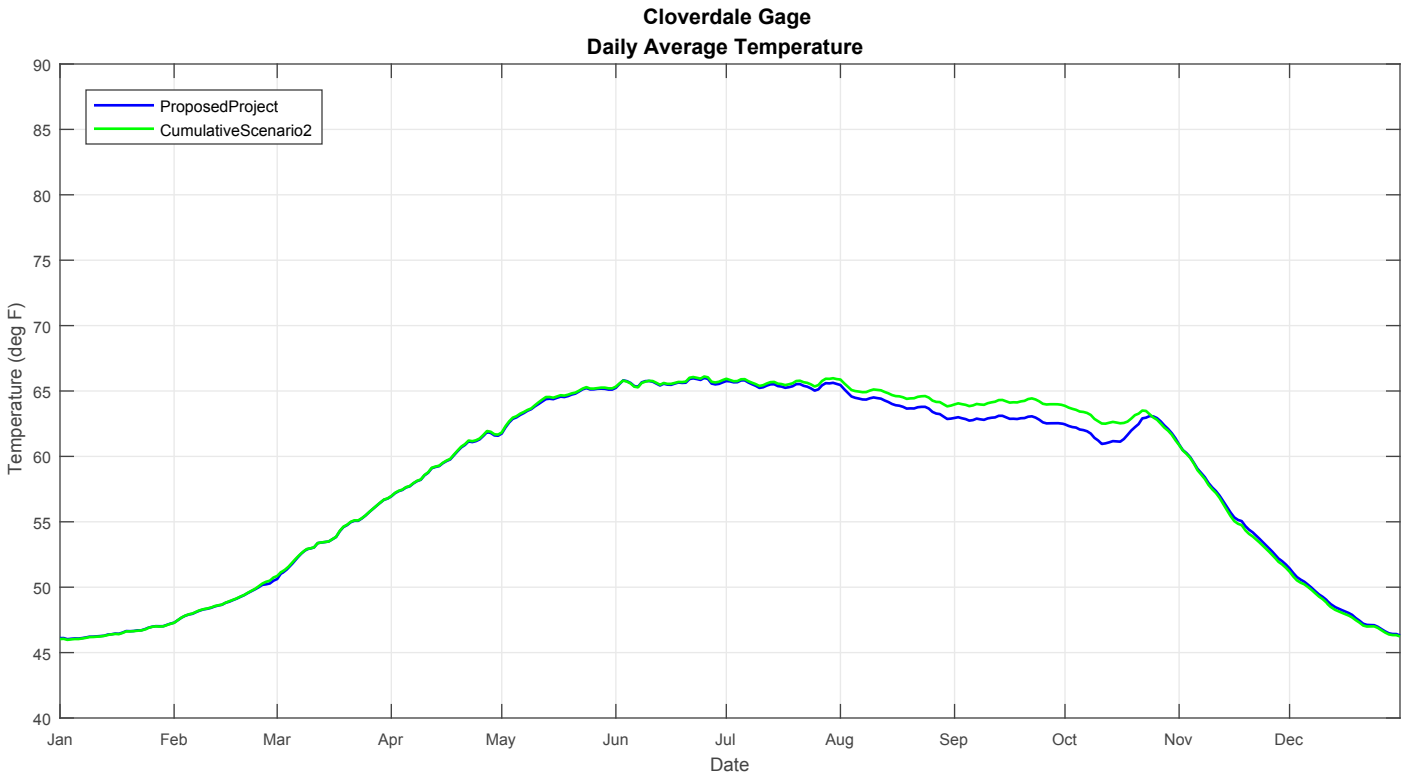
45
40
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date


Cloverdale Gage
Daily Average Temperature
ProposedProject
CumulativeScenario2
Temperature (deg F)
90
85
80
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Jan
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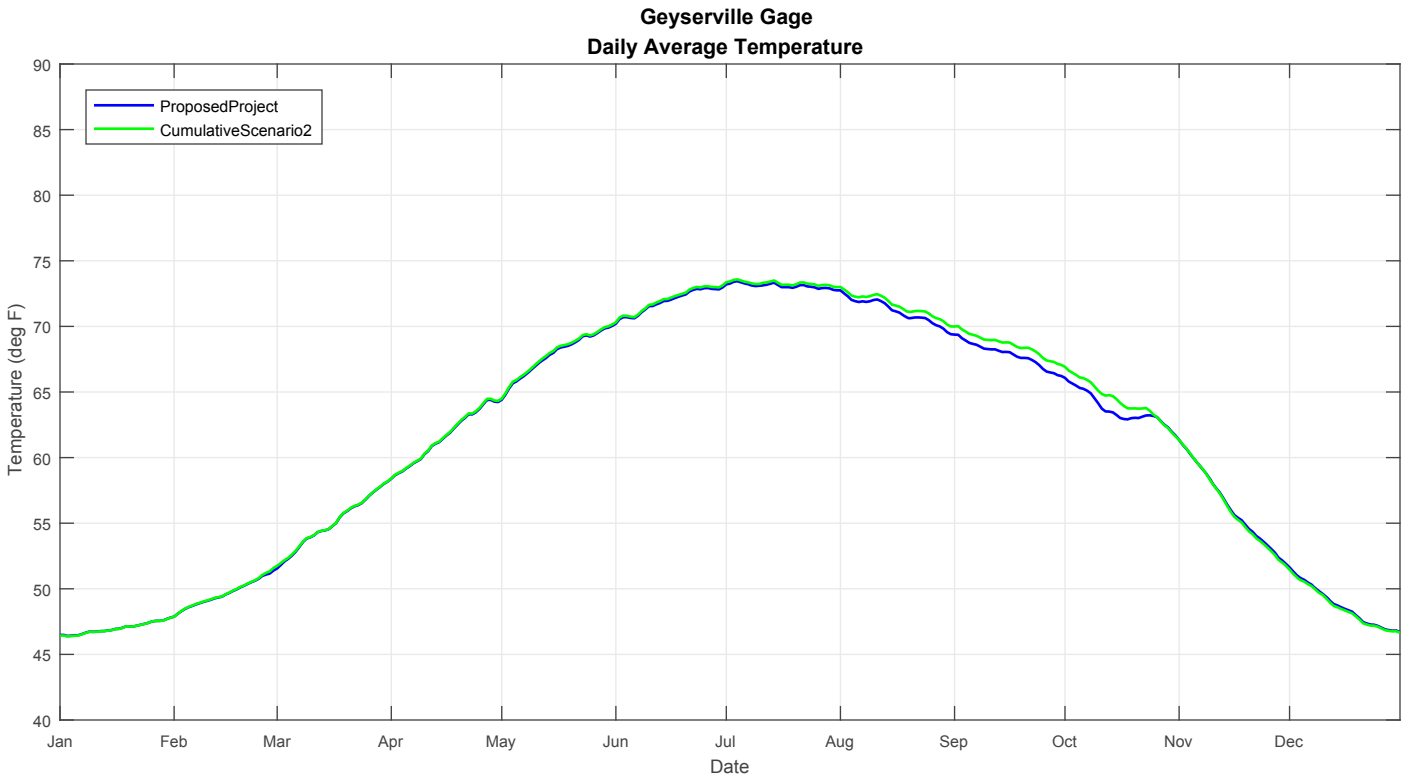
Dec
Date


Geyserville Gage
Daily Average Temperature
ProposedProject
CumulativeScenario2
Temperature (deg F)
90
85
80
75
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Jan
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Jun
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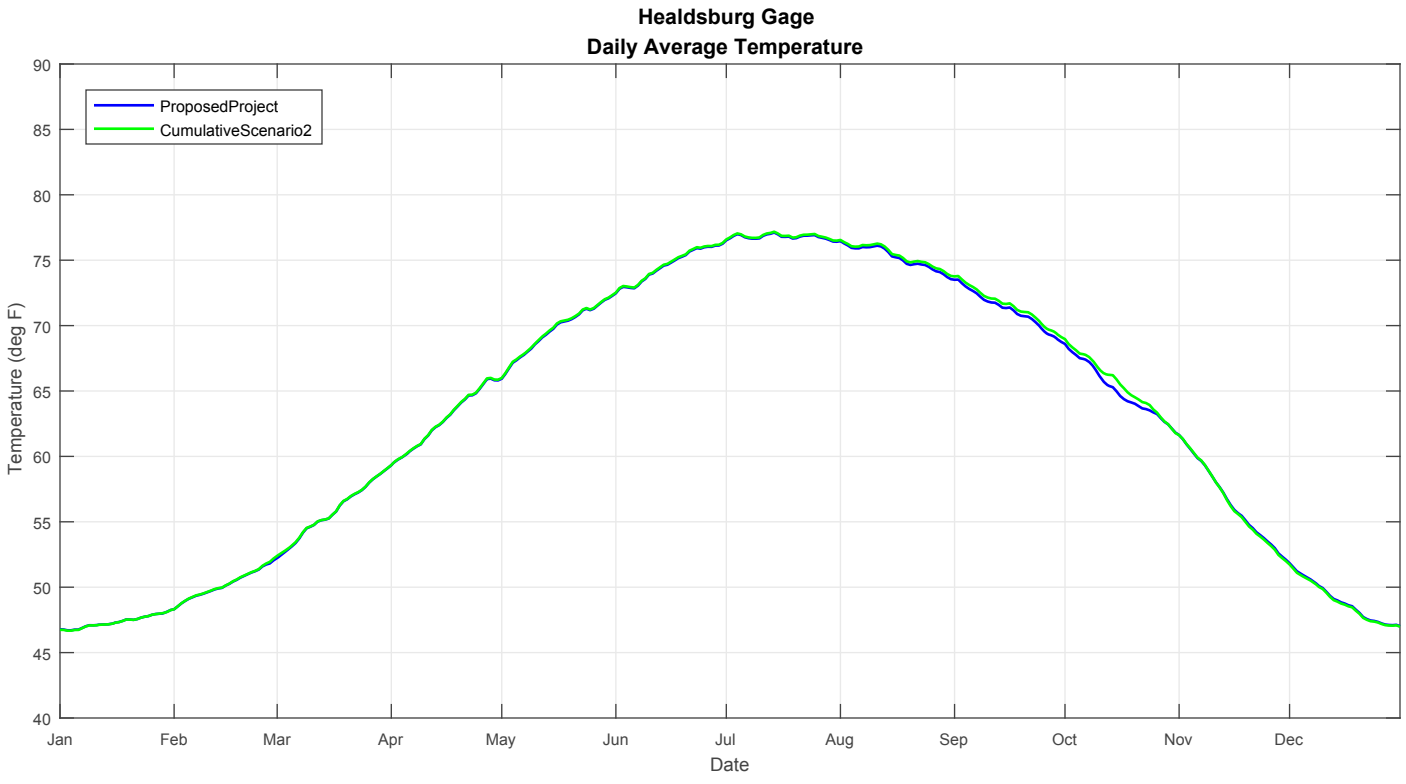
Oct
Nov
Dec
Date


Healdsburg Gage
Daily Average Temperature
ProposedProject
CumulativeScenario2
Temperature (deg F)
90
85
80
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50
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Jan
Feb
Mar
Apr
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Jun
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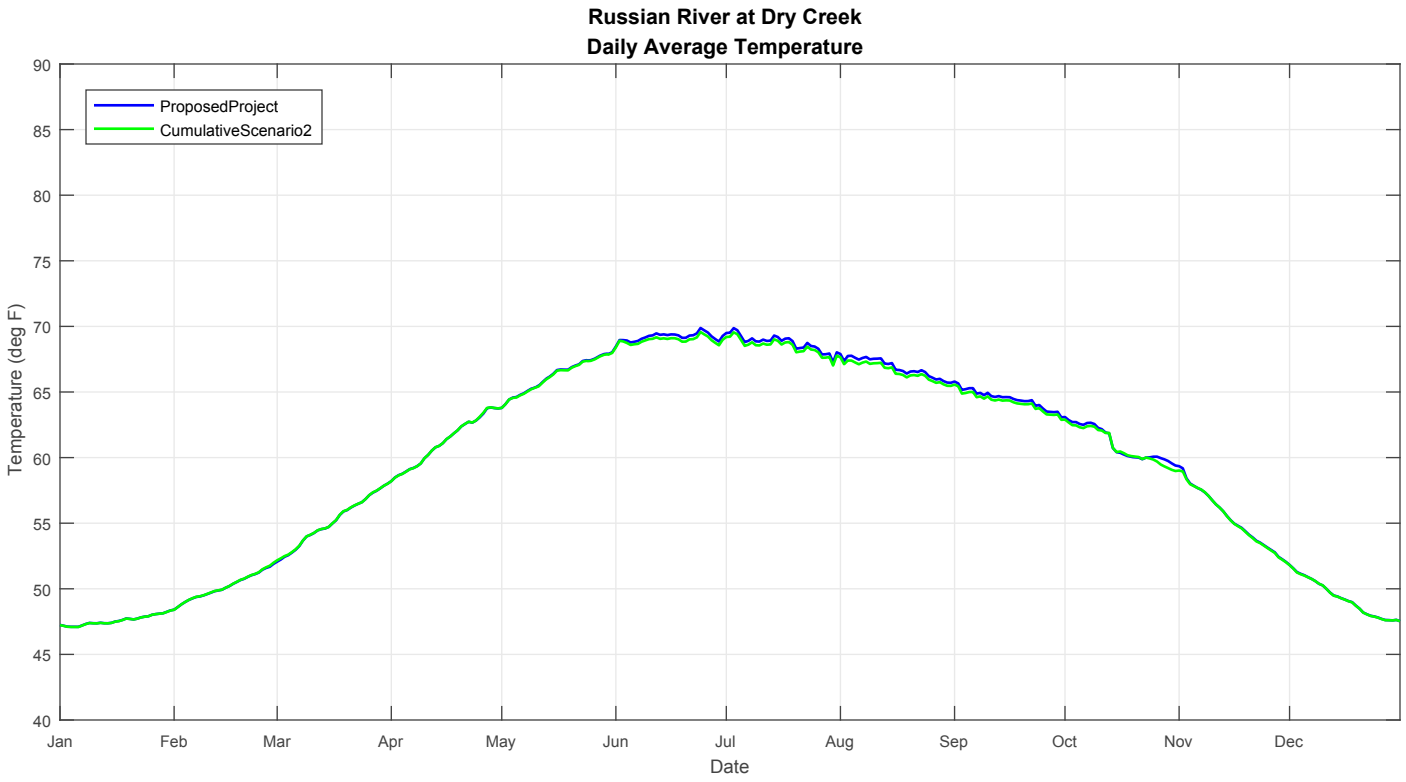
Oct
Nov
Dec
Date


Russian River at Dry Creek
Daily Average Temperature
ProposedProject
CumulativeScenario2
Temperature (deg F)
90
85
80
75
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Jan
Feb
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Oct
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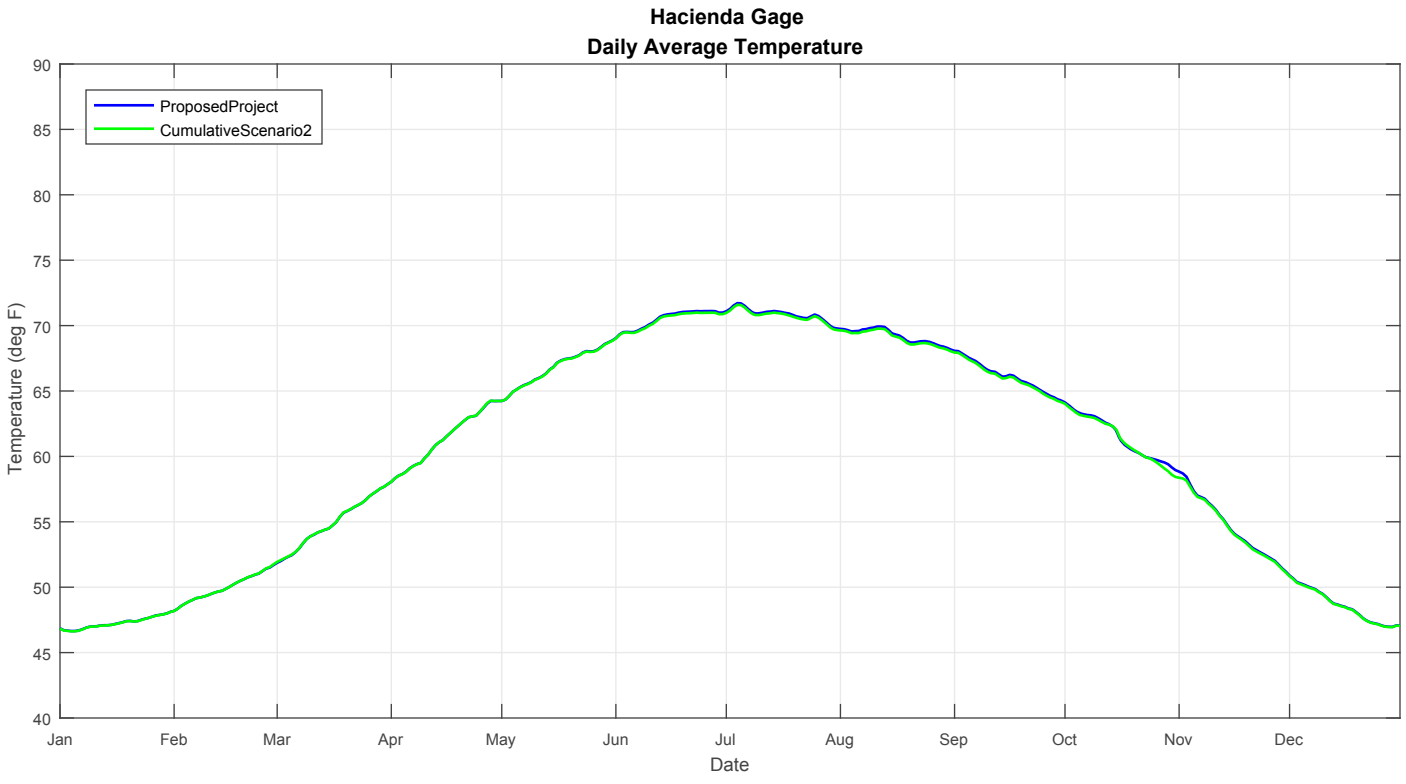
Dec
Date


Hacienda Gage
Daily Average Temperature
ProposedProject
CumulativeScenario2
Temperature (deg F)
90
85
80
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Jan
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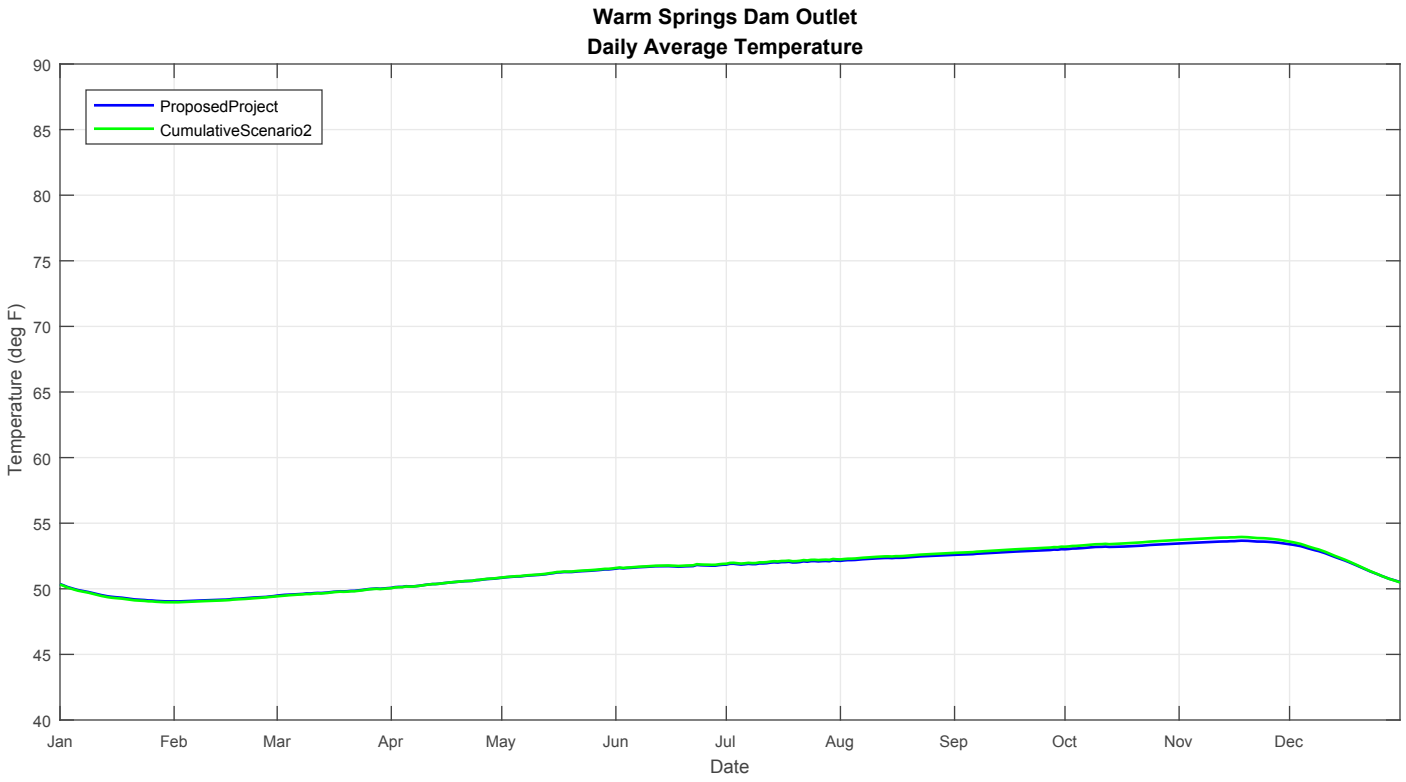
Date


Warm Springs Dam Outlet
Daily Average Temperature
ProposedProject
CumulativeScenario2
Temperature (deg F)
90
85
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Jan
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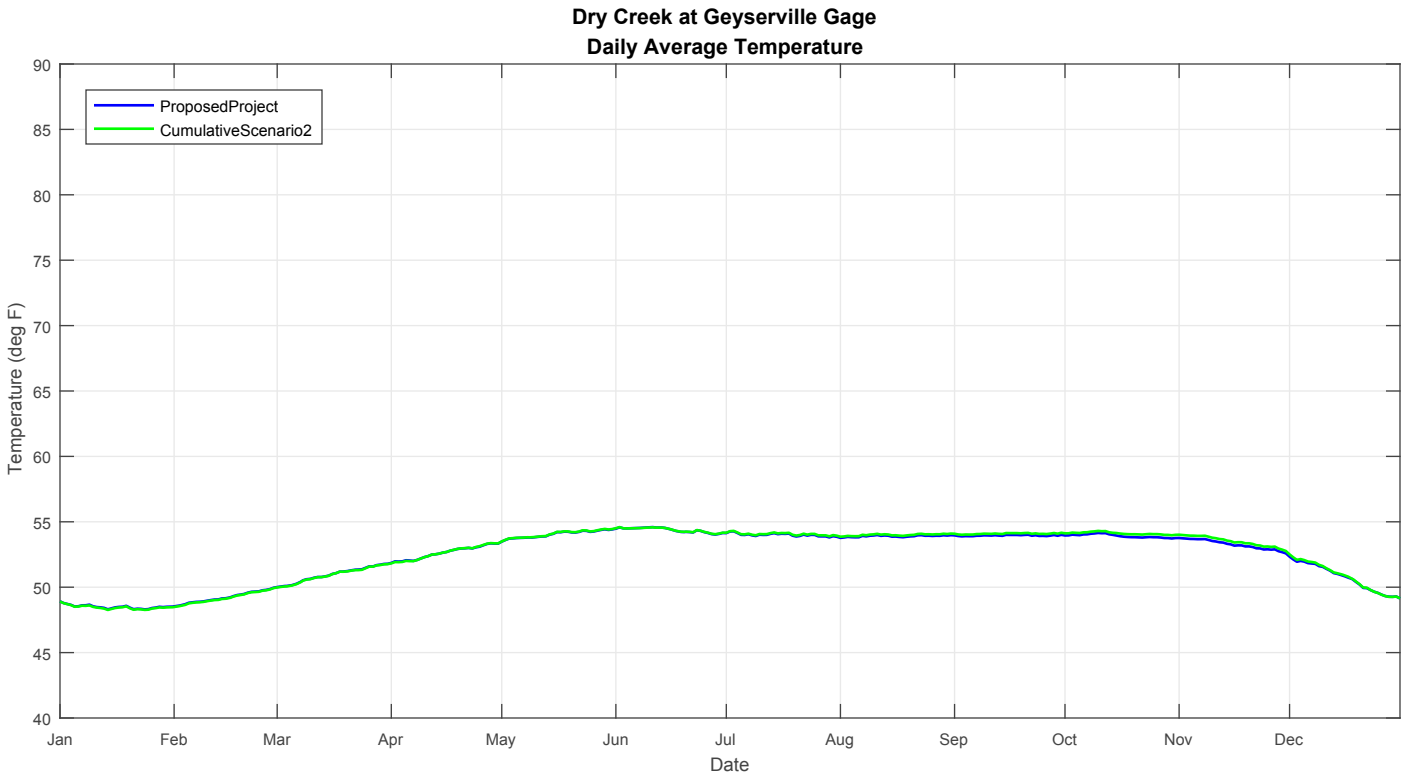
Date


Dry Creek at Geyserville Gage
Daily Average Temperature
ProposedProject
CumulativeScenario2
Temperature (deg F)
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85
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Jan
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Mar
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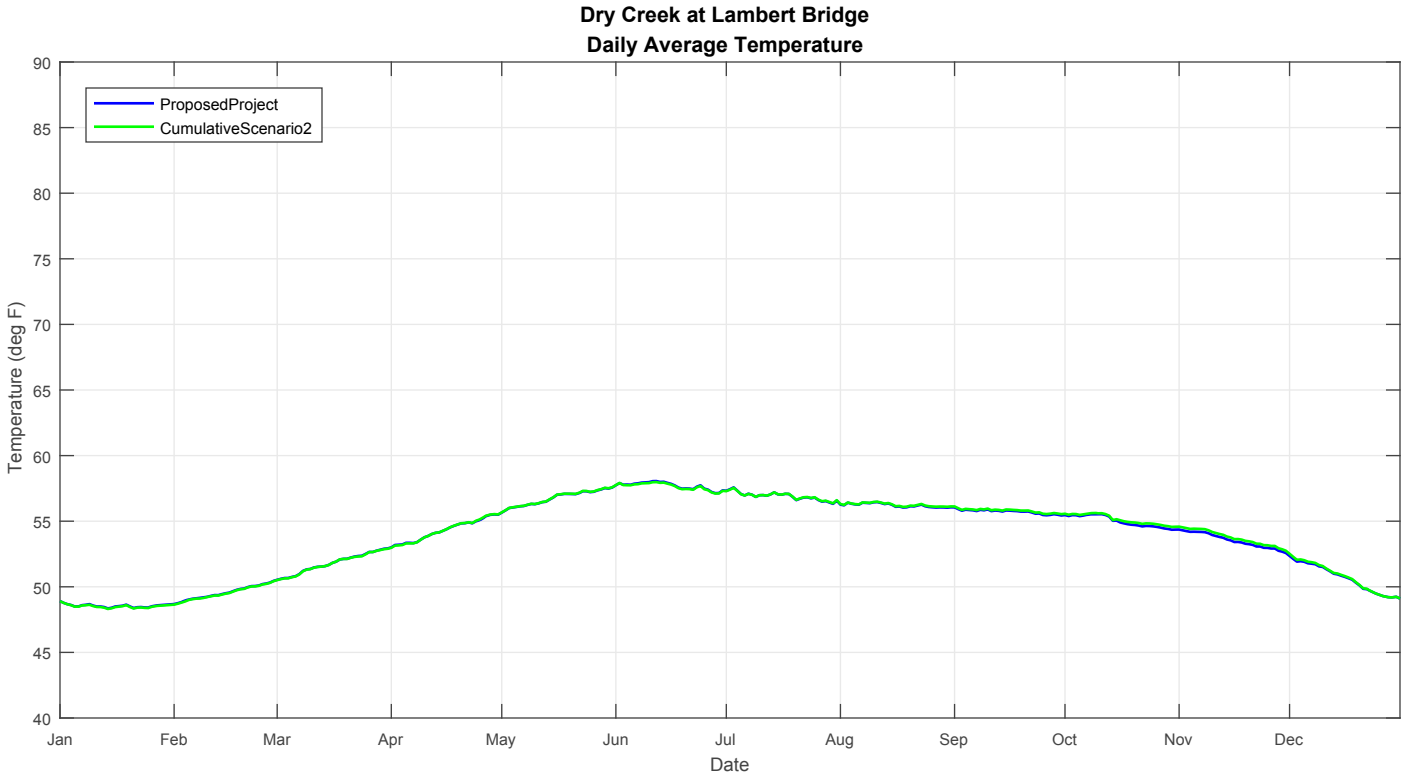
Oct
Nov
Dec
Date


Dry Creek at Lambert Bridge
Daily Average Temperature
ProposedProject
CumulativeScenario2
Temperature (deg F)
90
85
80
75
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Jan
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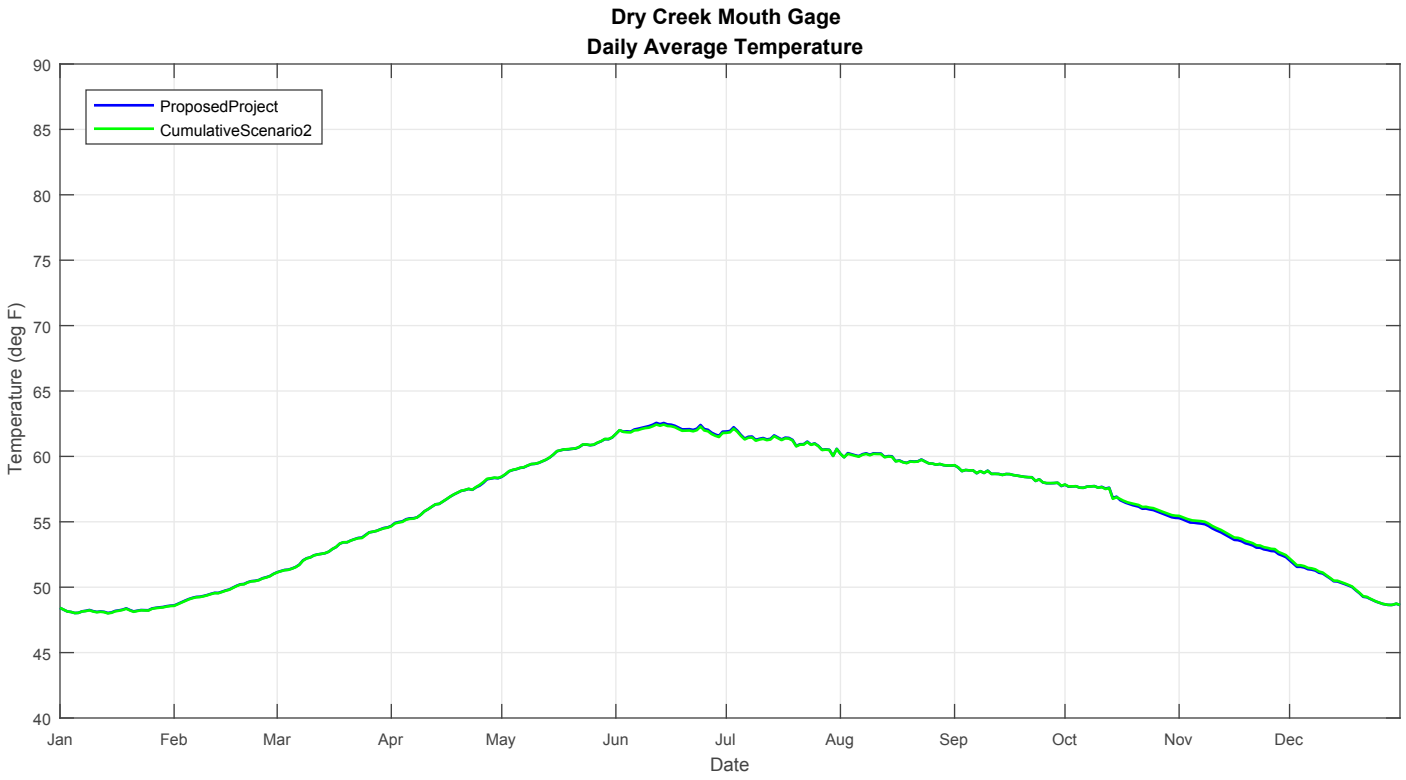
Date


Dry Creek Mouth Gage
Daily Average Temperature
ProposedProject
CumulativeScenario2
Temperature (deg F)
90
85
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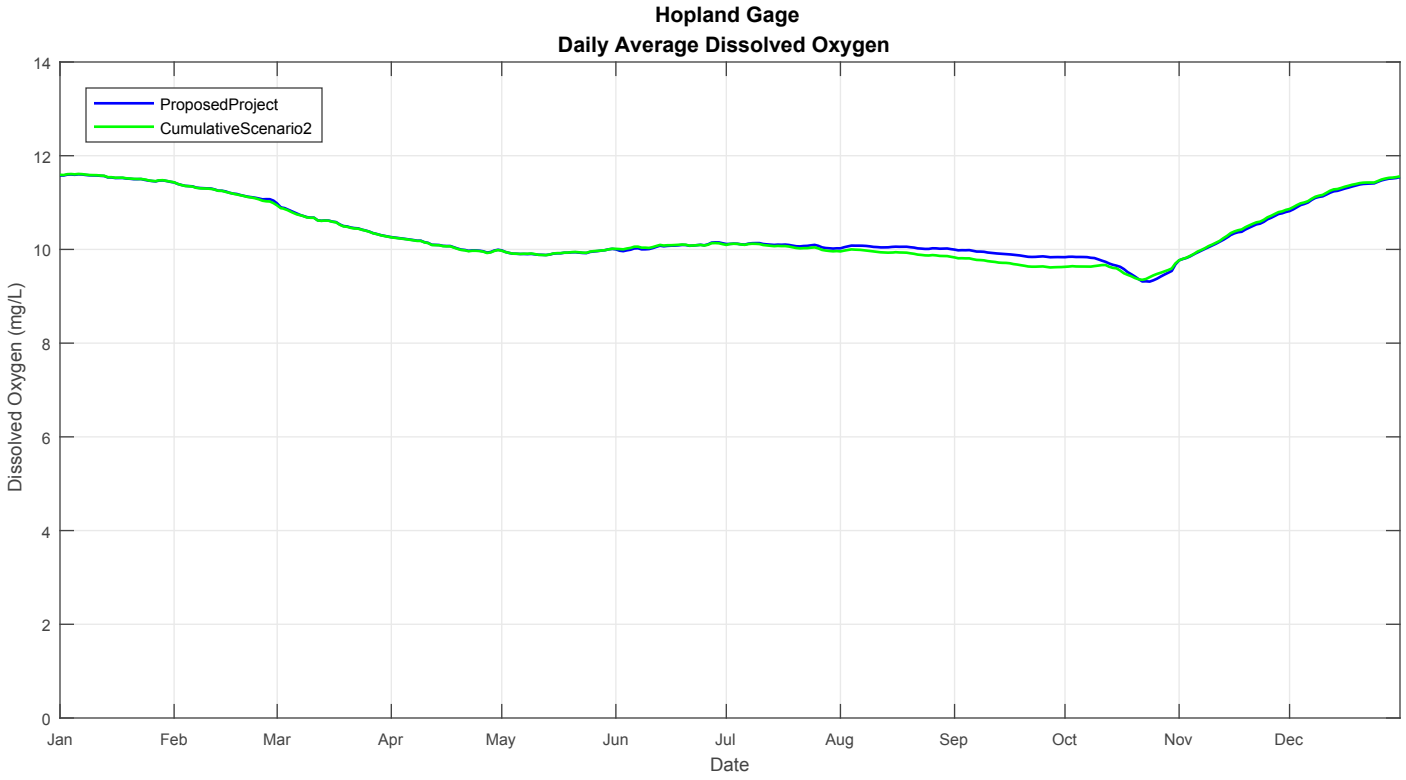
Hopland Gage
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/L)
0
2
4
6
8
10
12
14
Jan
Feb
Mar
Apr
May
Jun
Jul
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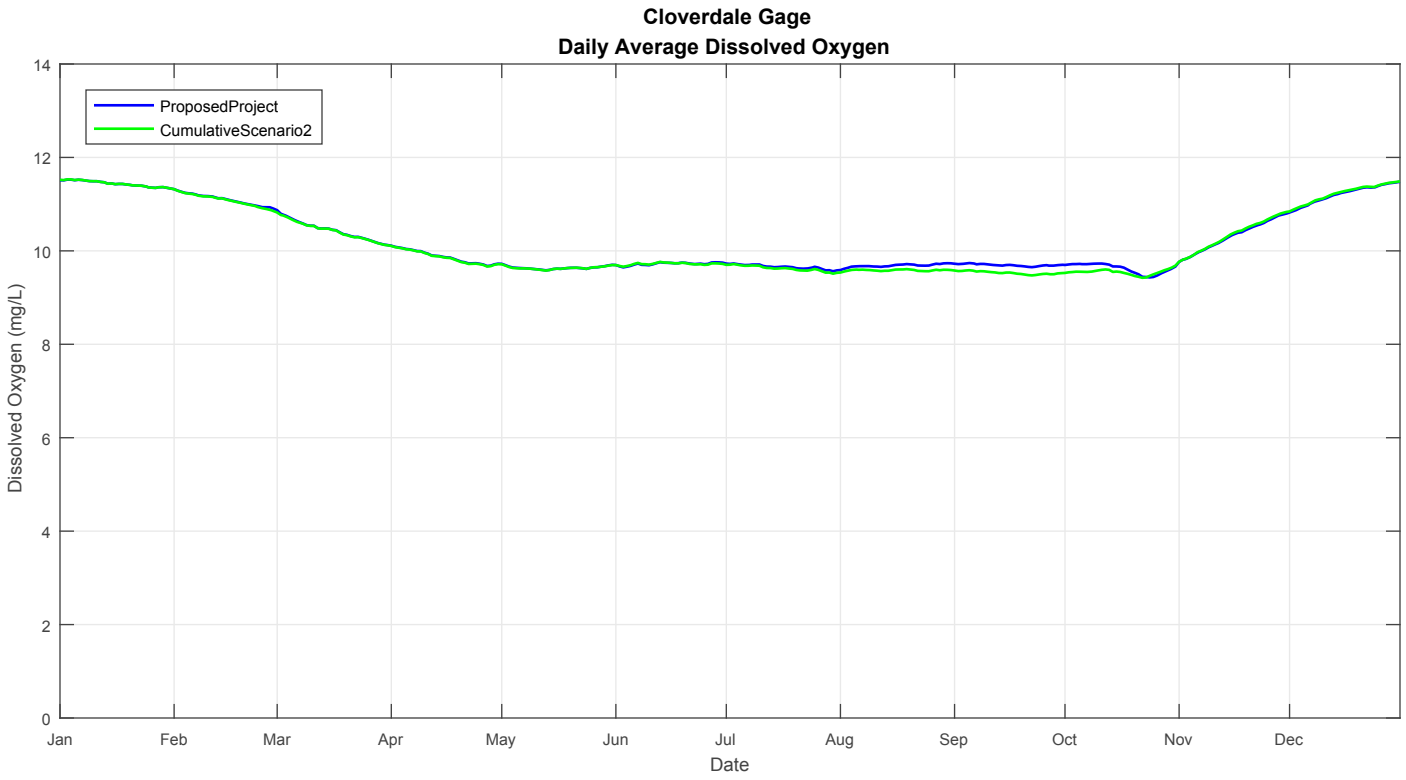
Oct
Nov
Dec
Date


Cloverdale Gage
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/L)
0
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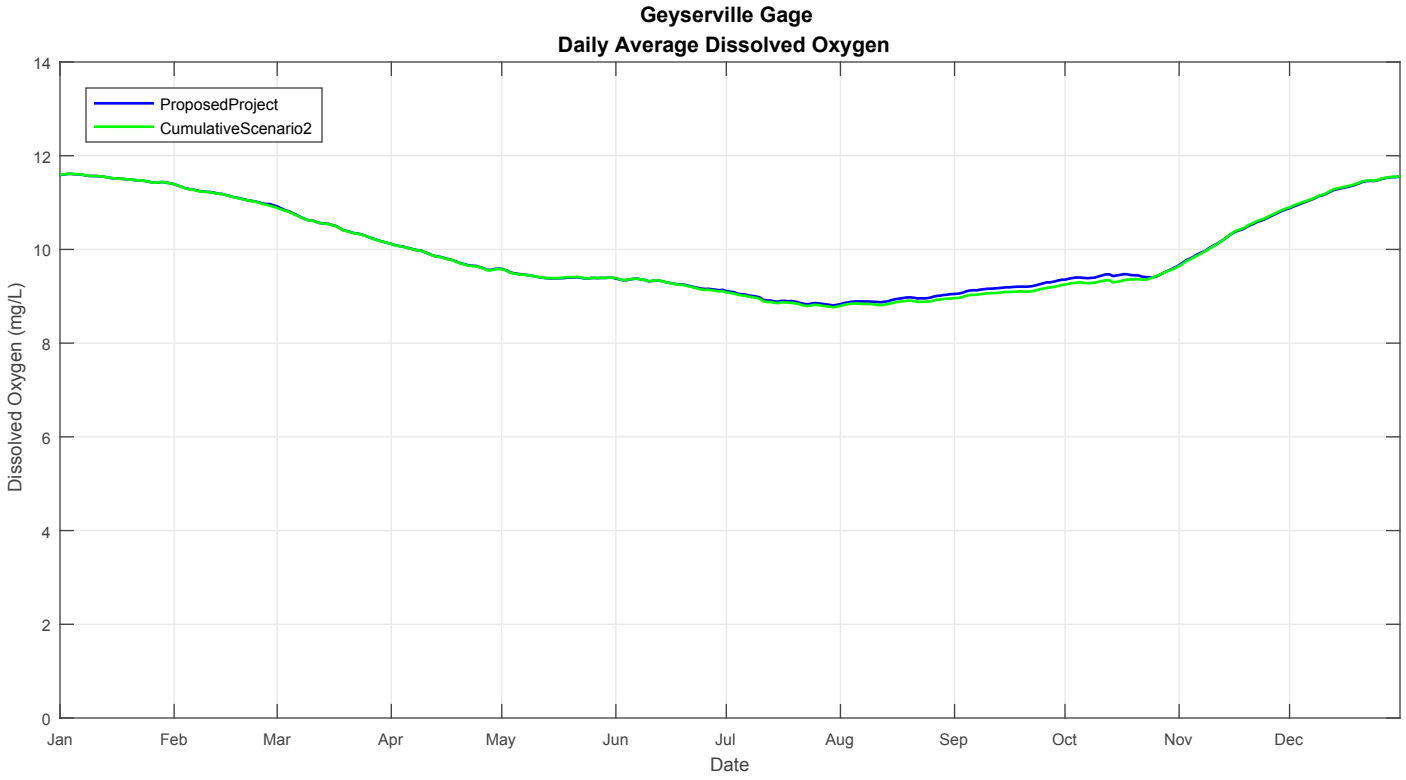
Geyserville Gage
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/L)
0
2
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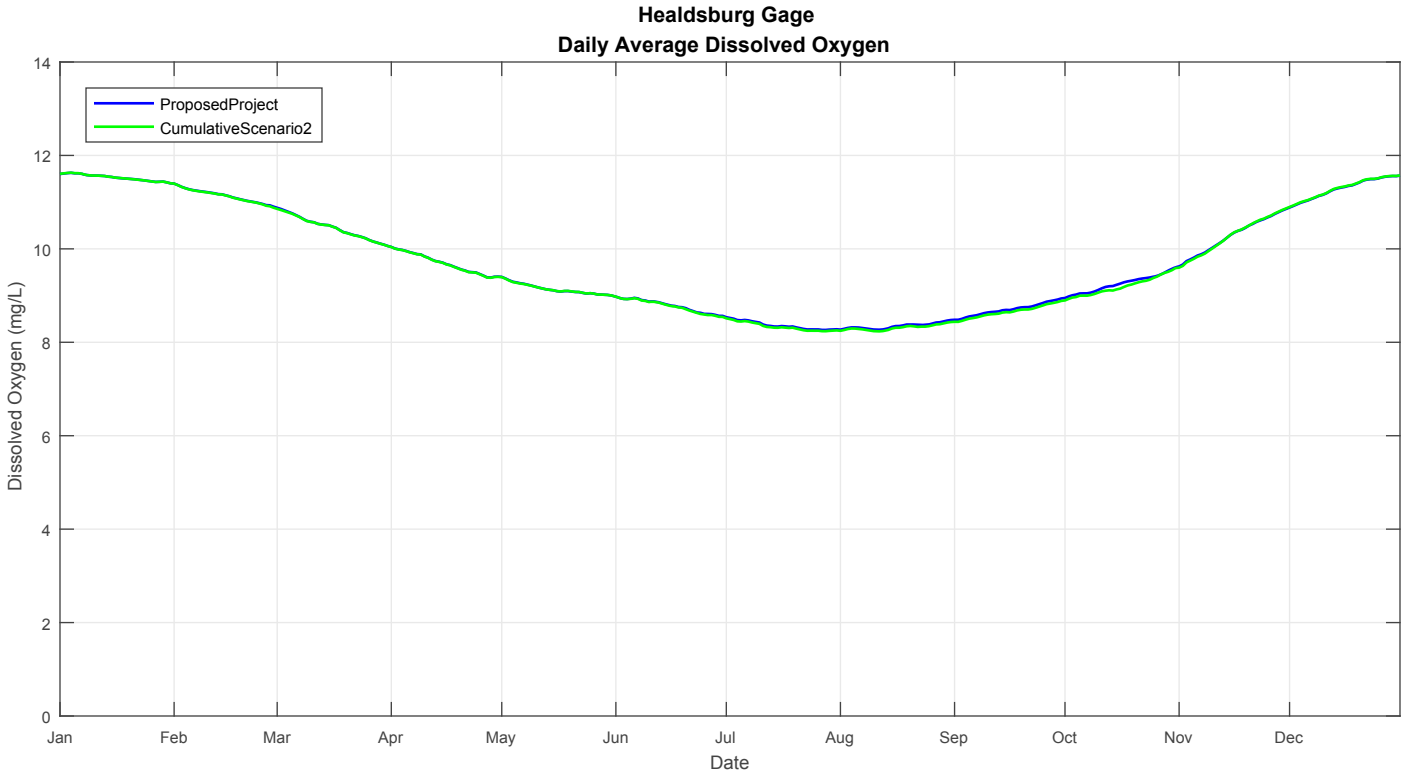
Date


Healdsburg Gage
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/L)
0
2
4
6
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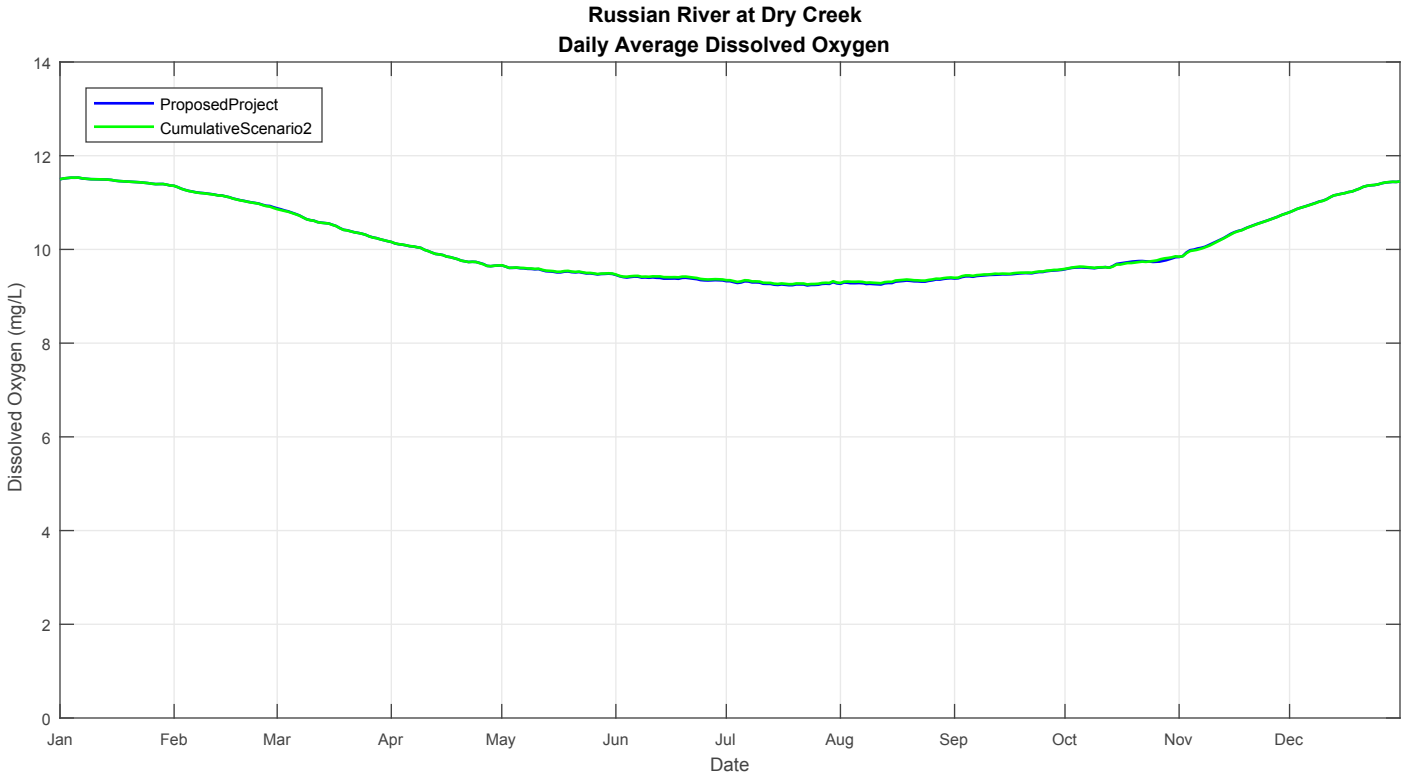
Date


Russian River at Dry Creek
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/L)
0
2
4
6
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12
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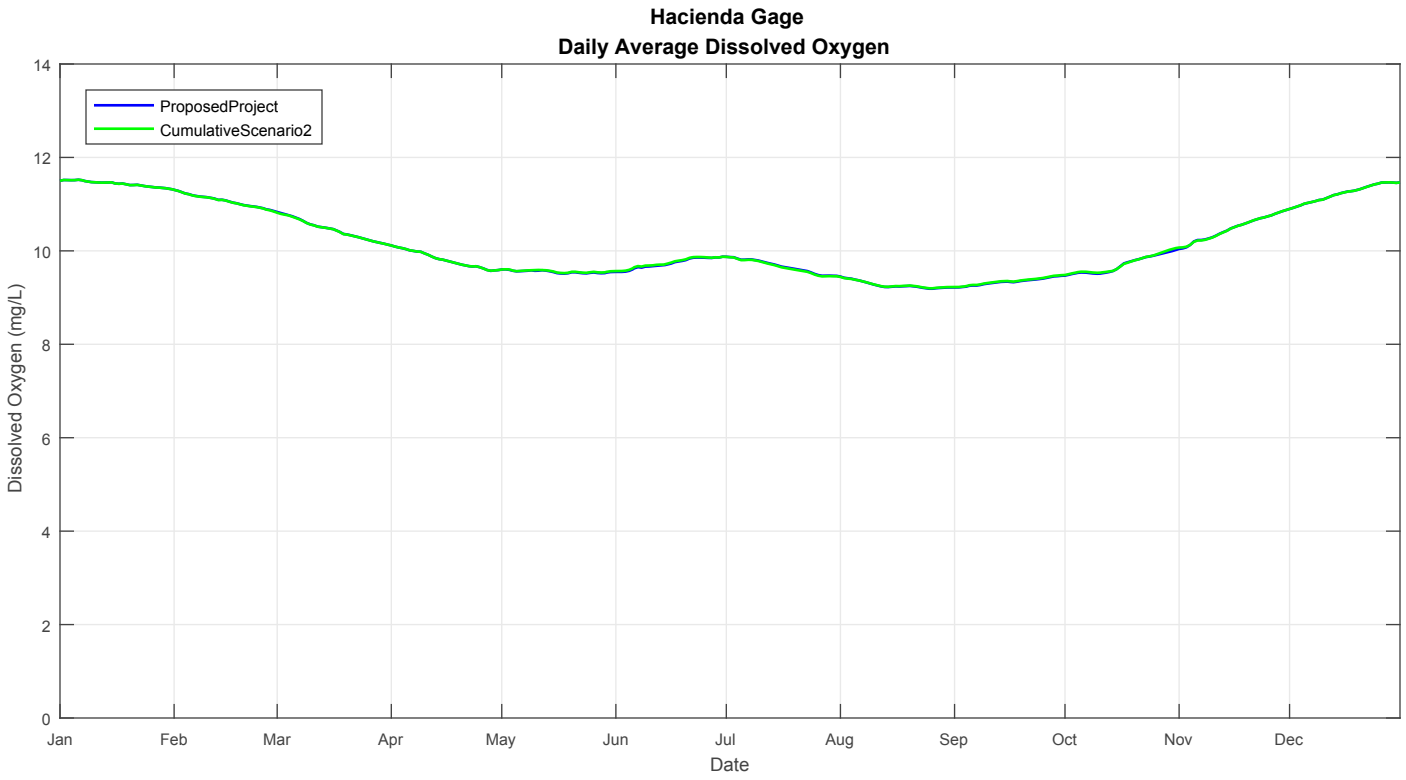
Hacienda Gage
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/L)
0
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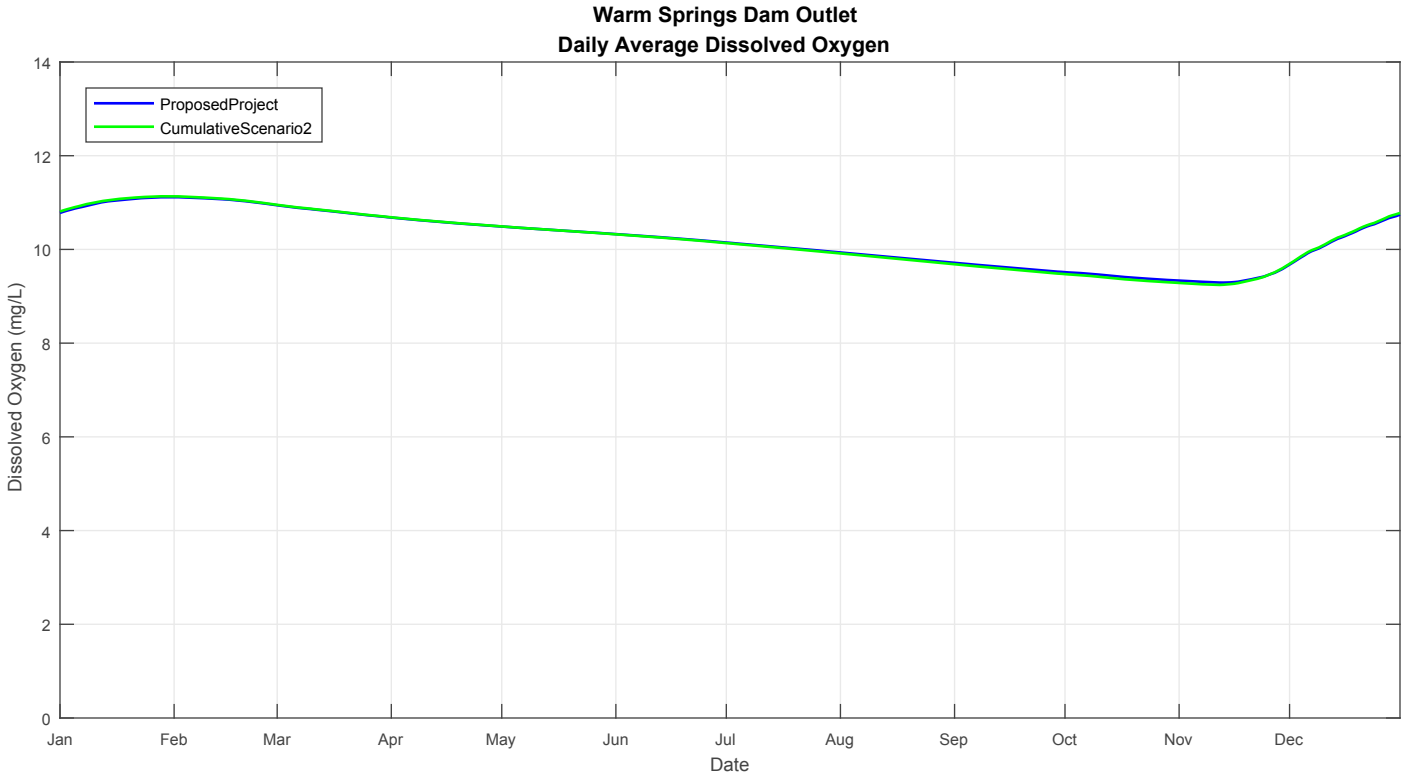
Warm Springs Dam Outlet
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/L)
0
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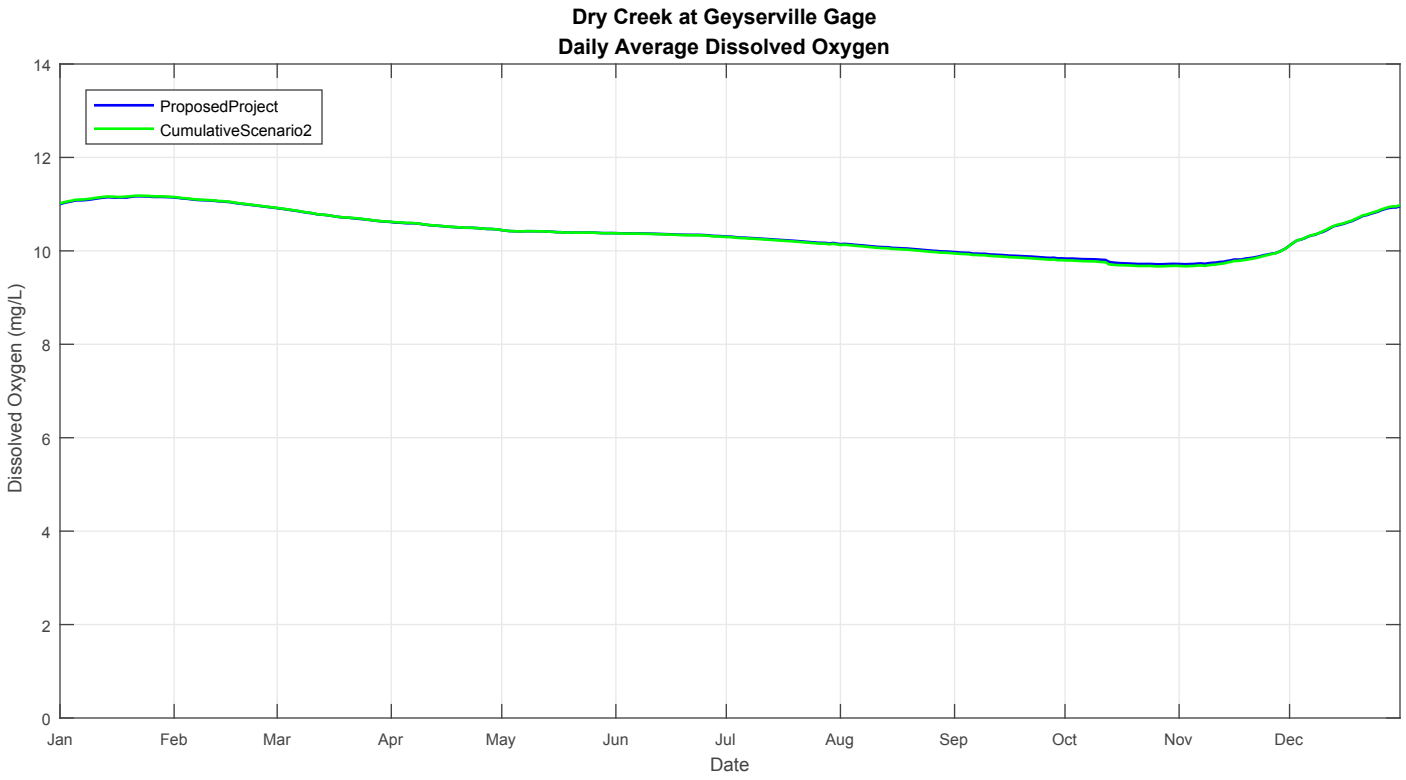
Dry Creek at Geyserville Gage
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/L)
0
2
4
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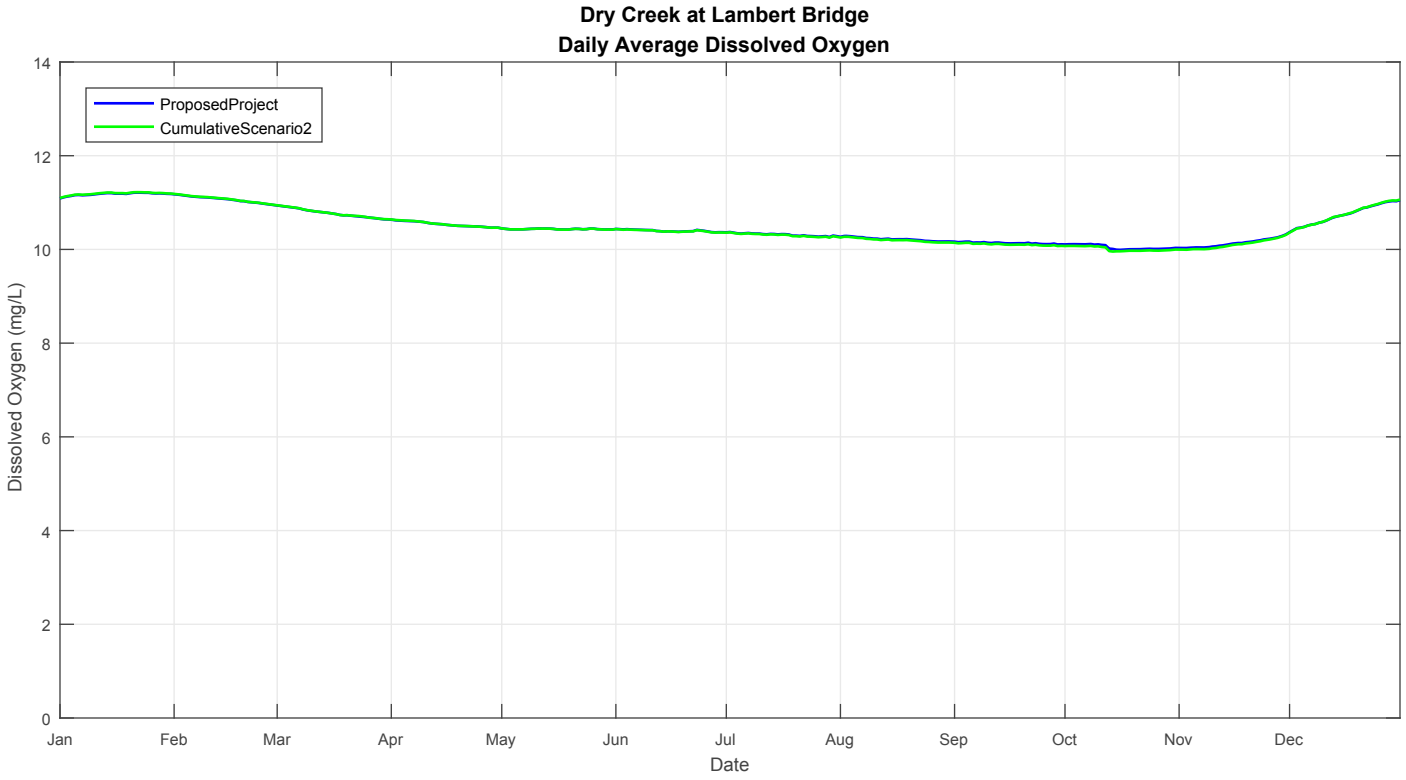
Dry Creek at Lambert Bridge
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/L)
0
2
4
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Feb
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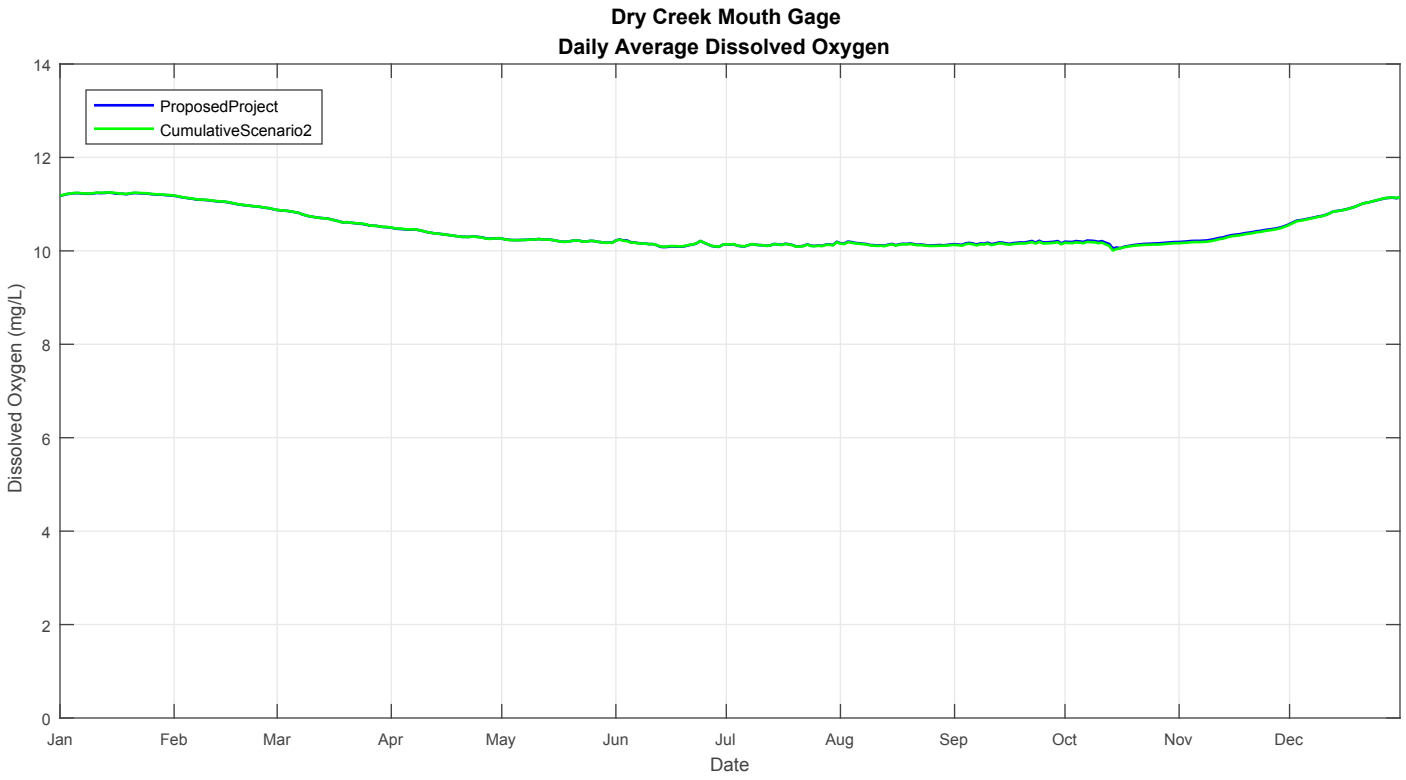
Date


Dry Creek Mouth Gage
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/L)
0
2
4
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10
12
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Jan
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Apr
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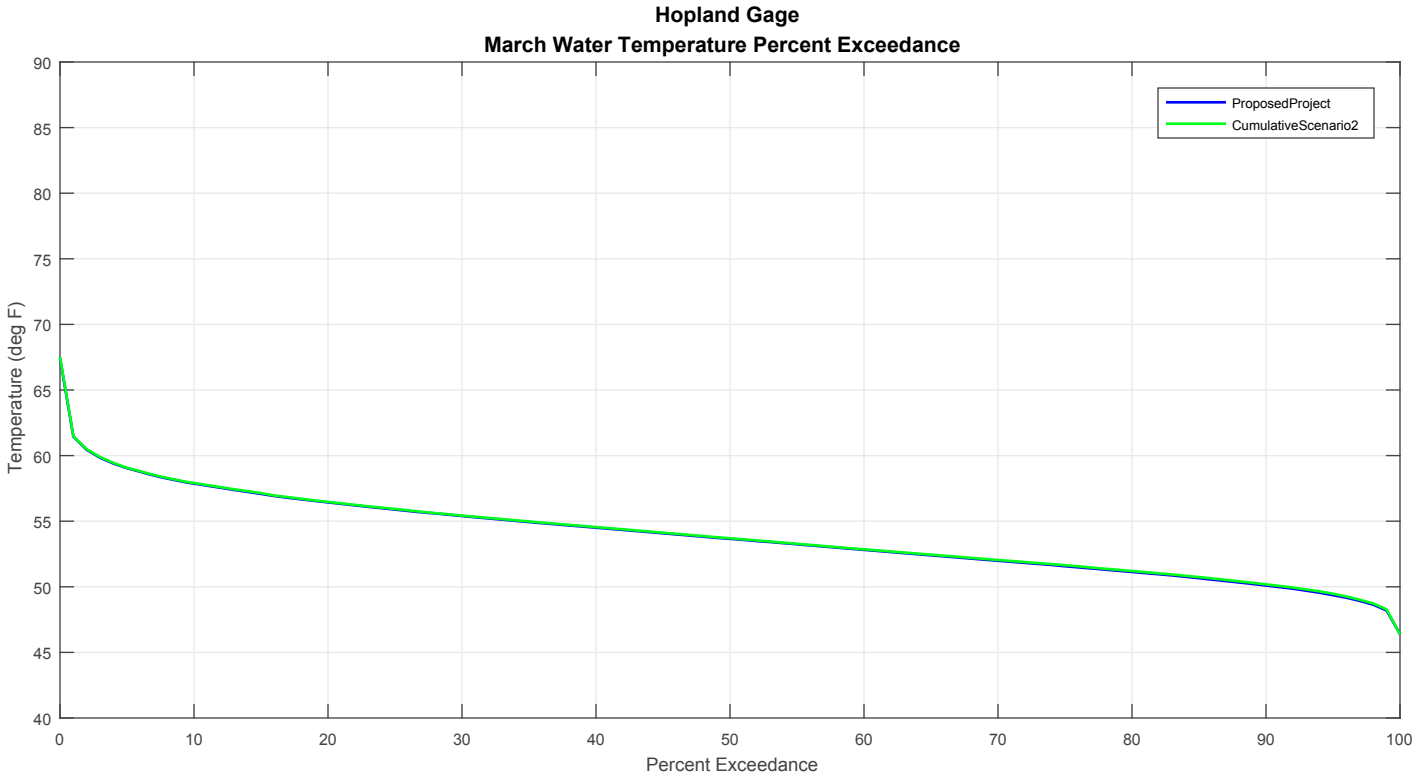
Date


Hopland Gage
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
90
85
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90
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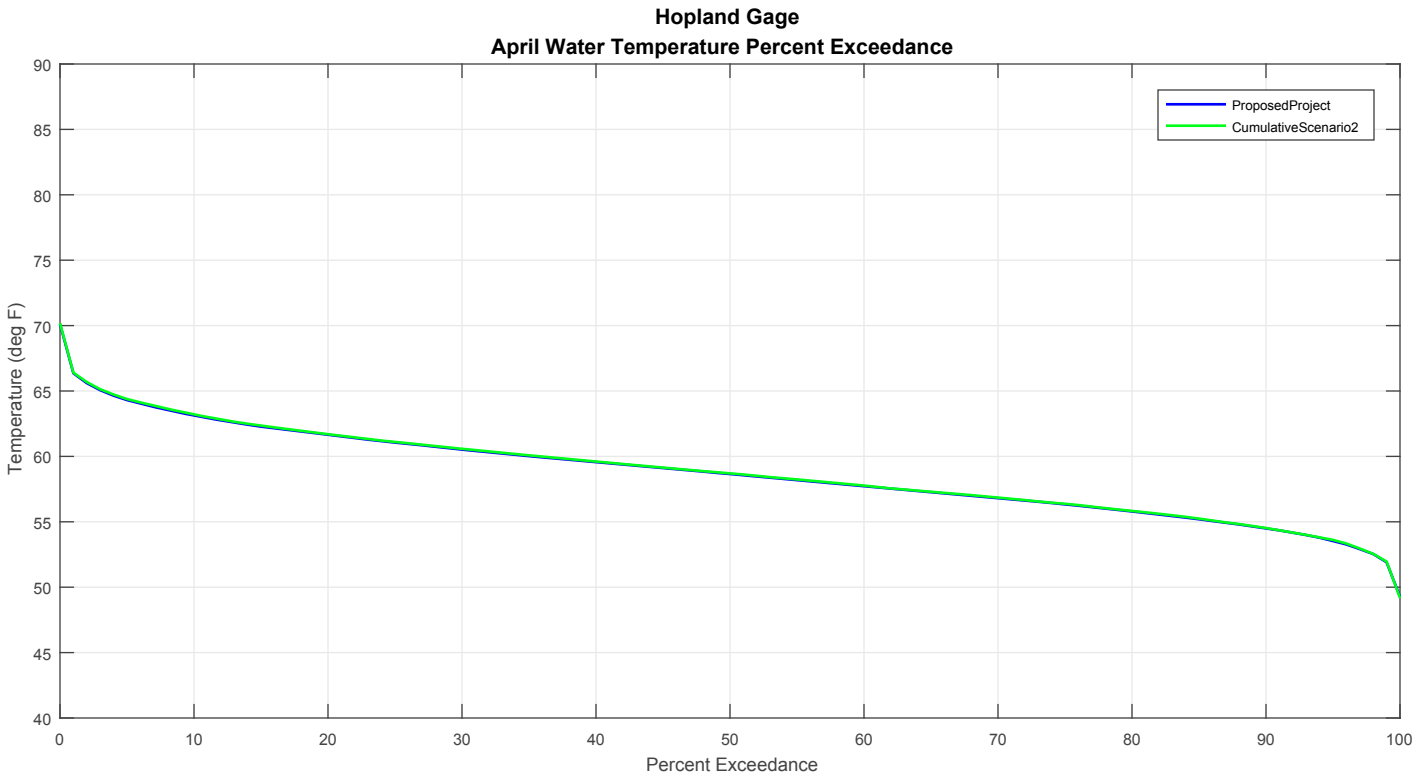
Hopland Gage
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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90
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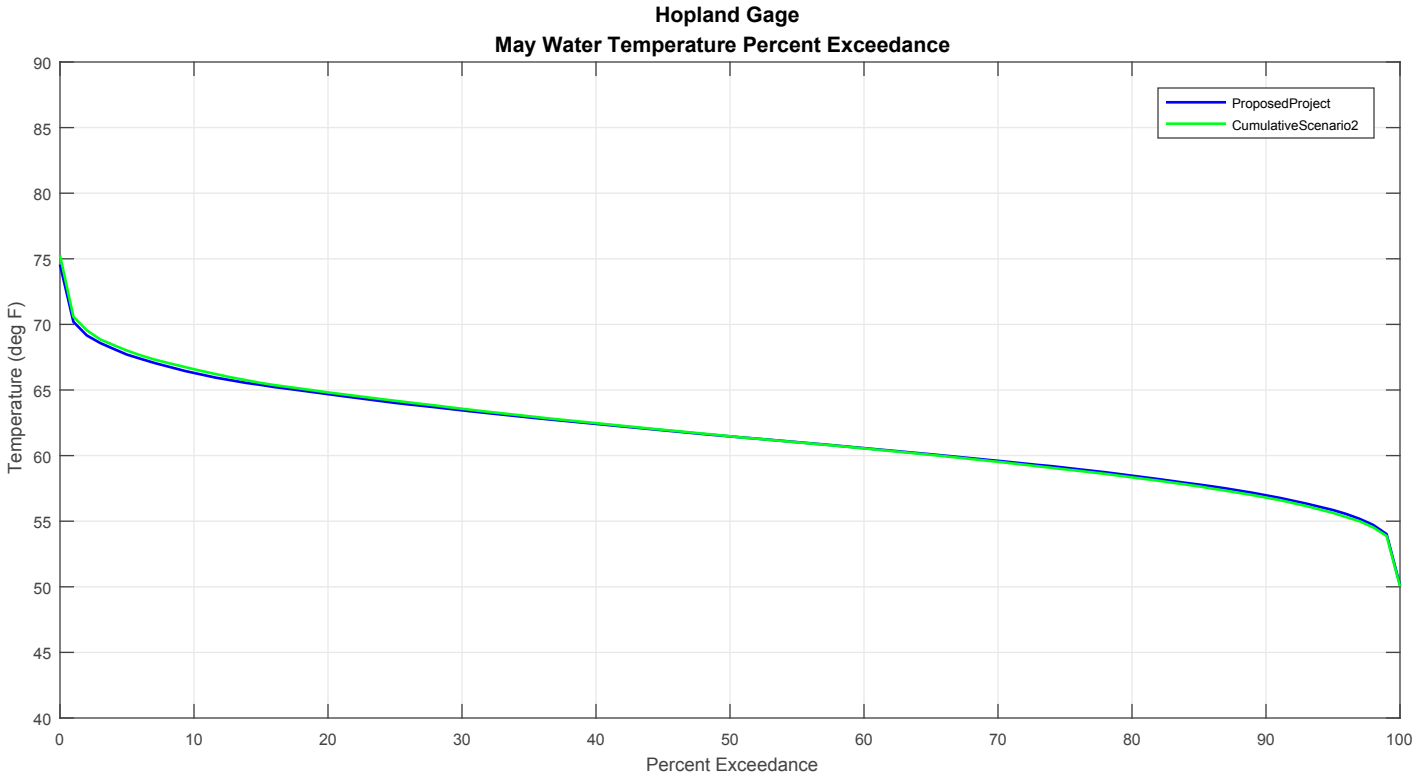
Hopland Gage
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
90
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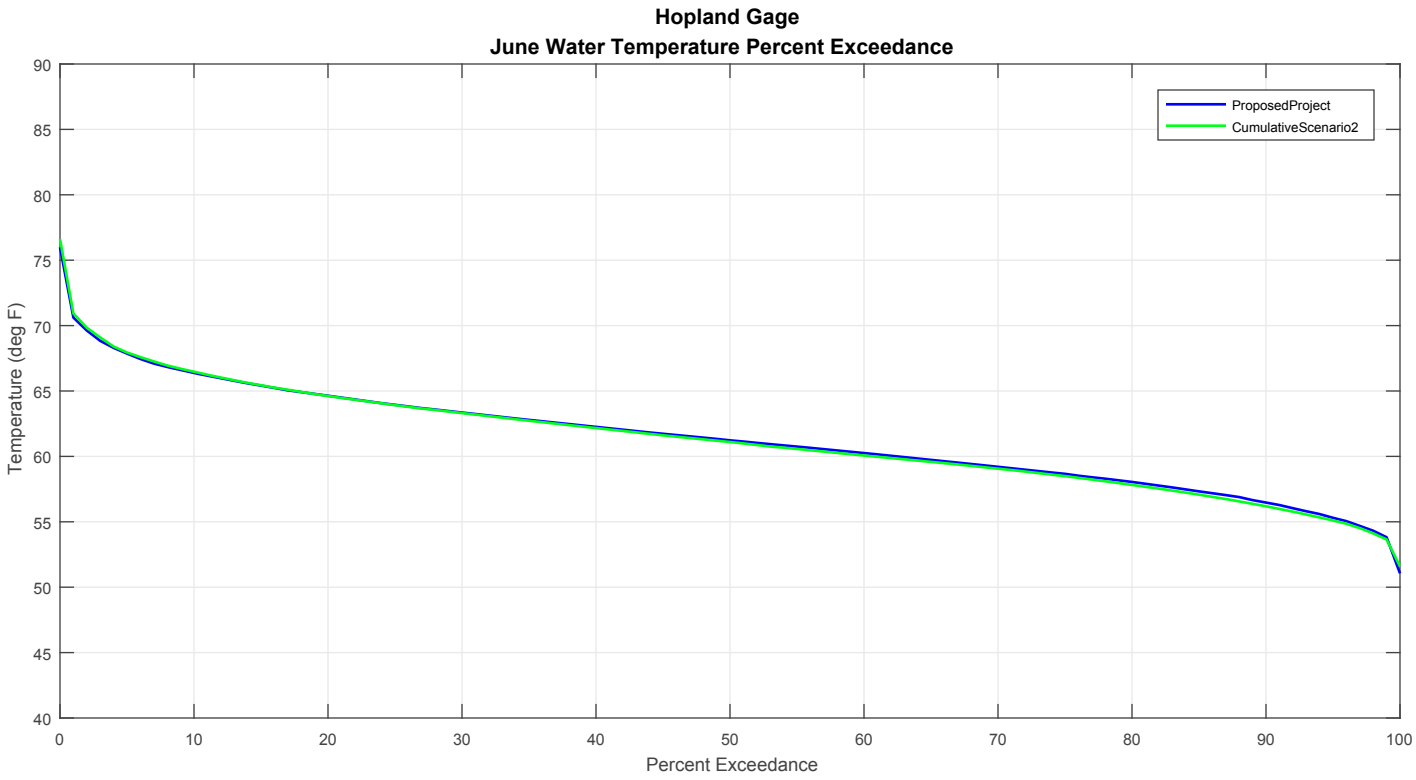
80
90
100


Hopland Gage
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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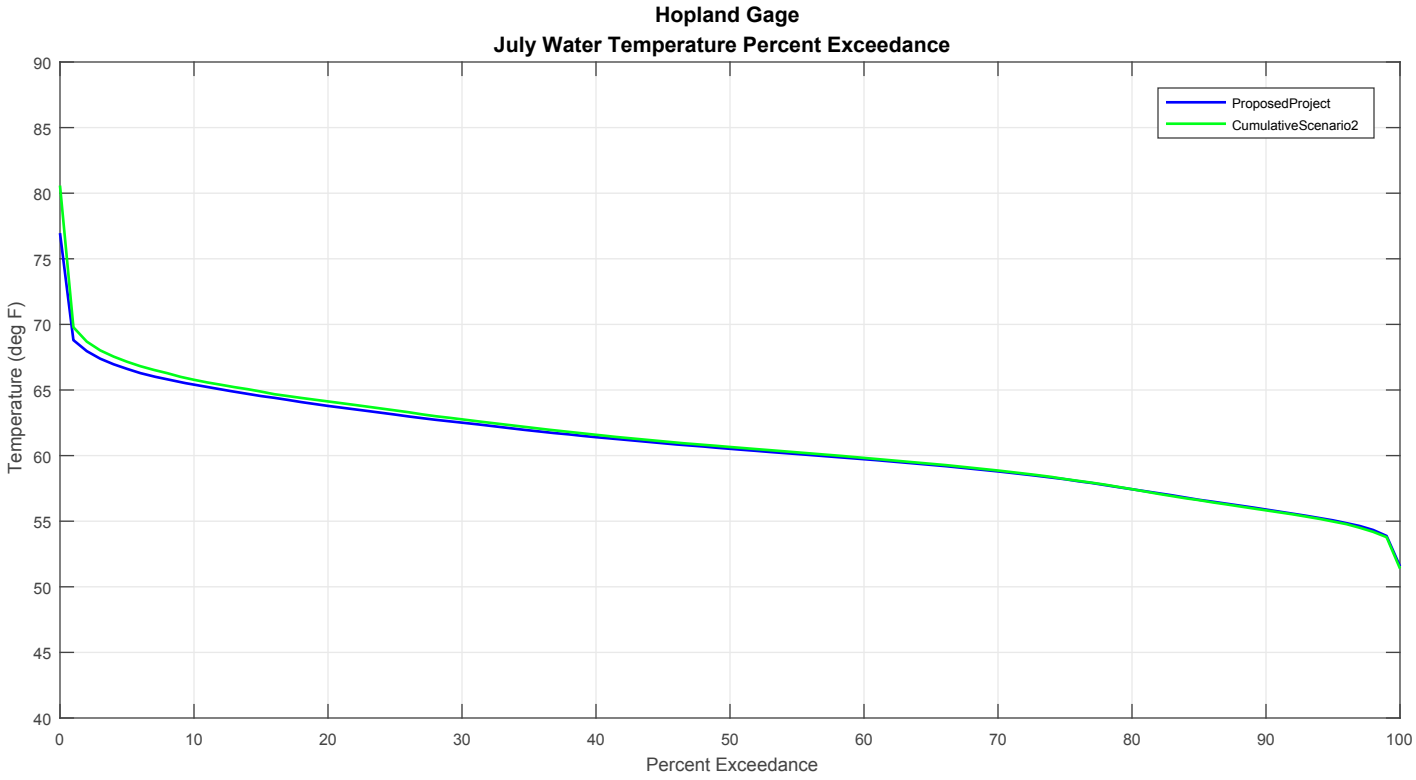
Hopland Gage
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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90
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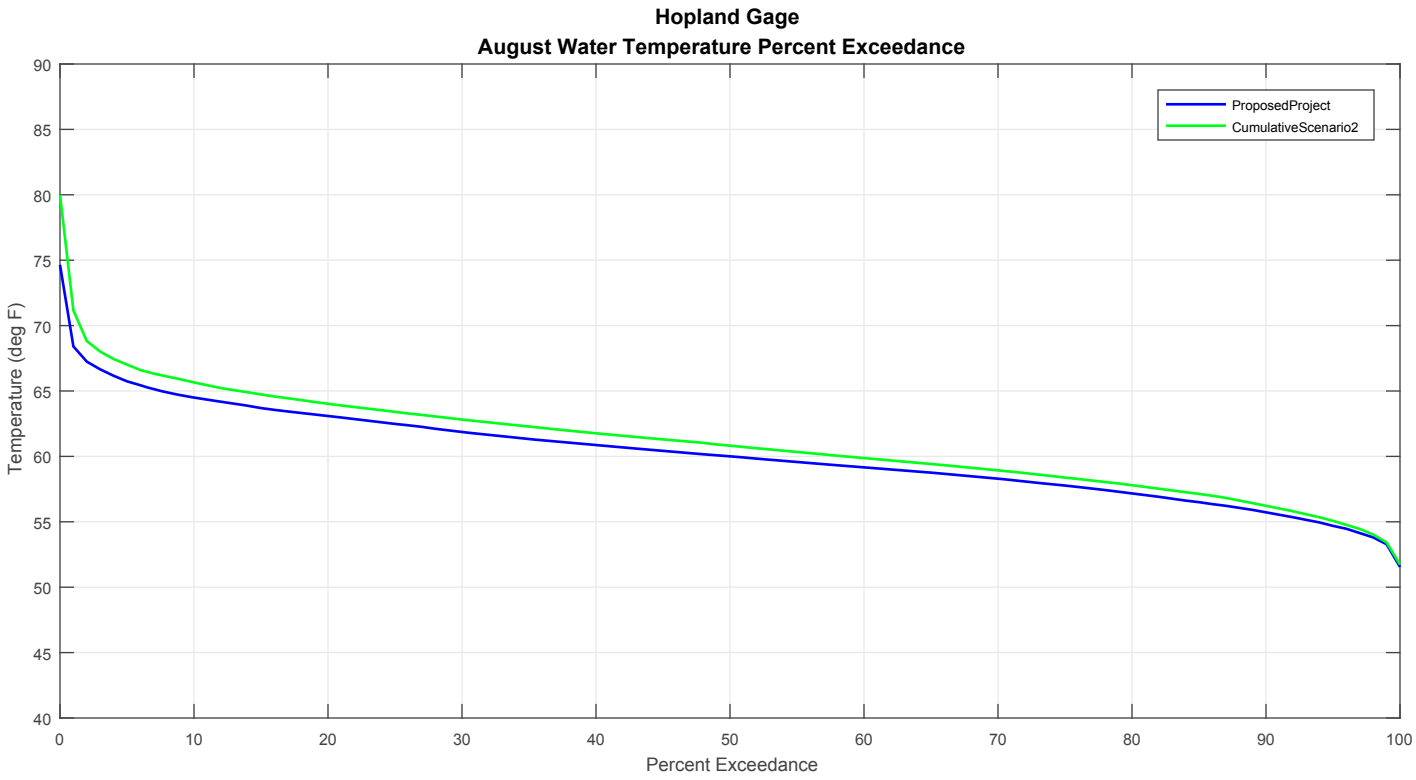
Hopland Gage
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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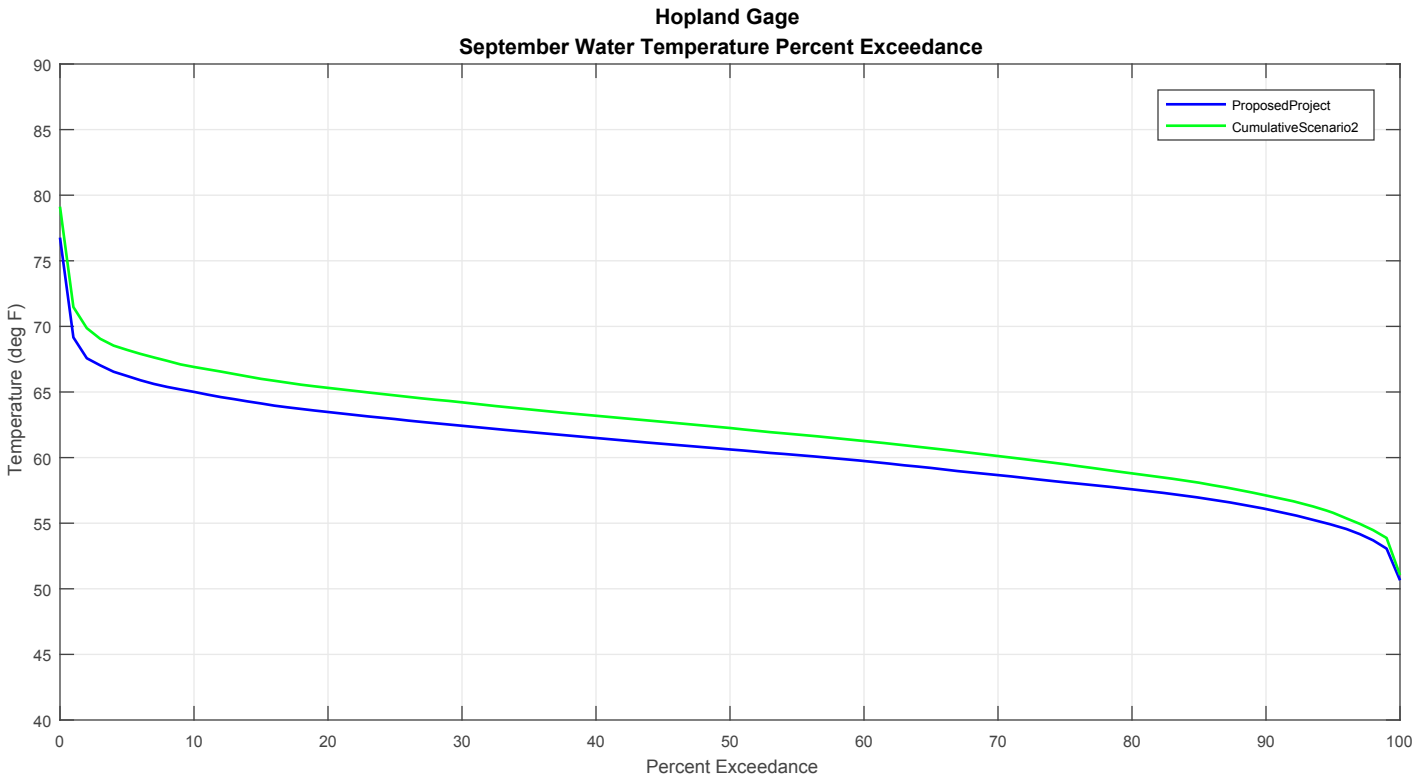
Hopland Gage
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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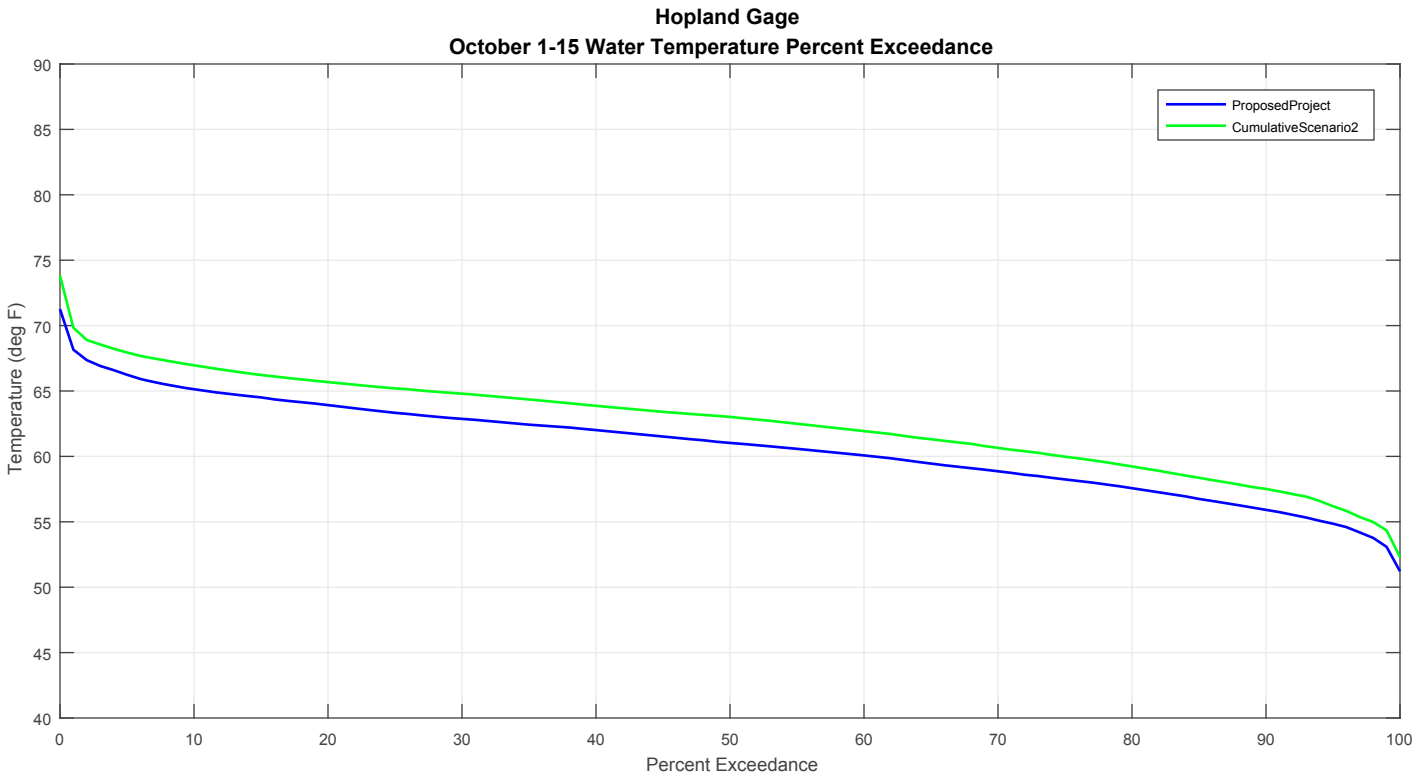
90
100


Hopland Gage
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
90
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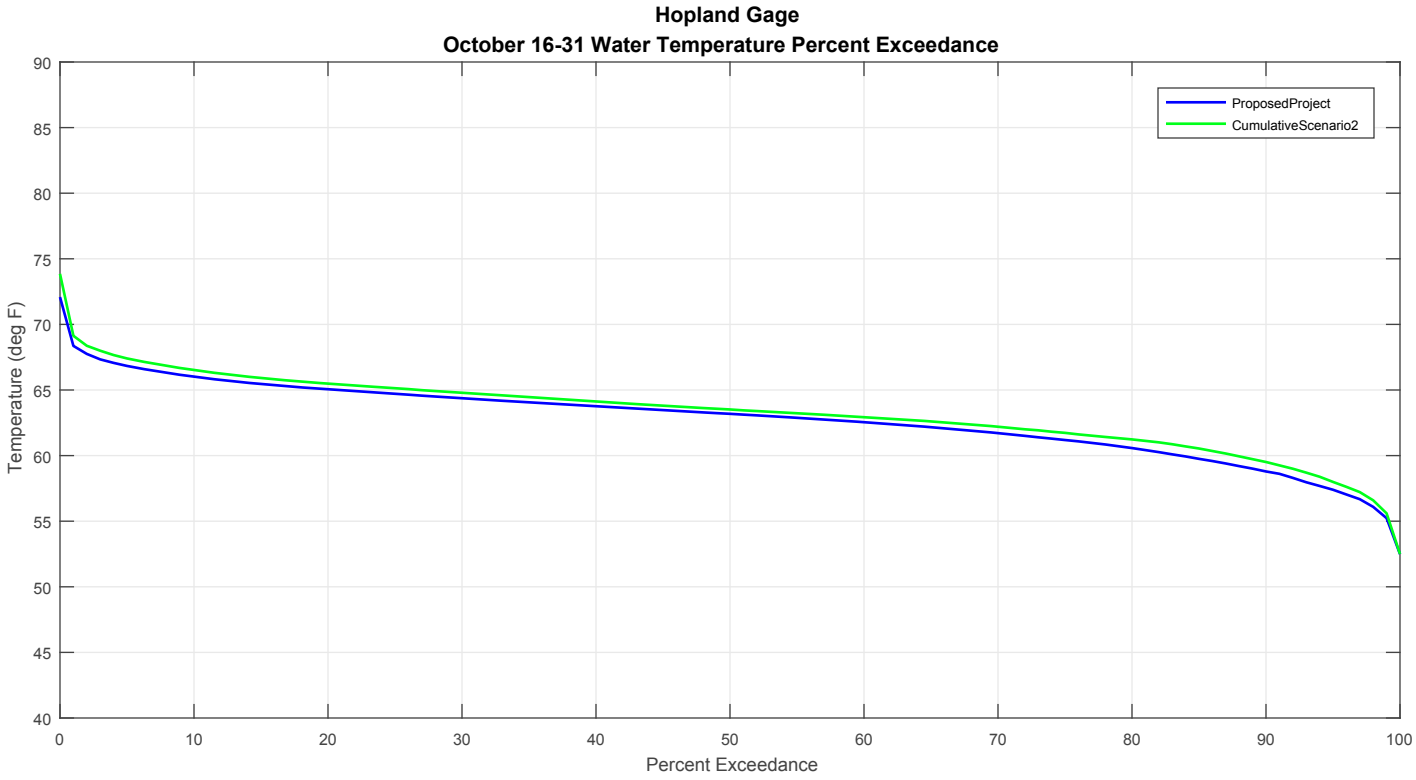
90
100


Hopland Gage
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
90
85
80
75
70
65
60
55
50
45
40
0
10
20
30
40
50
60
70
80
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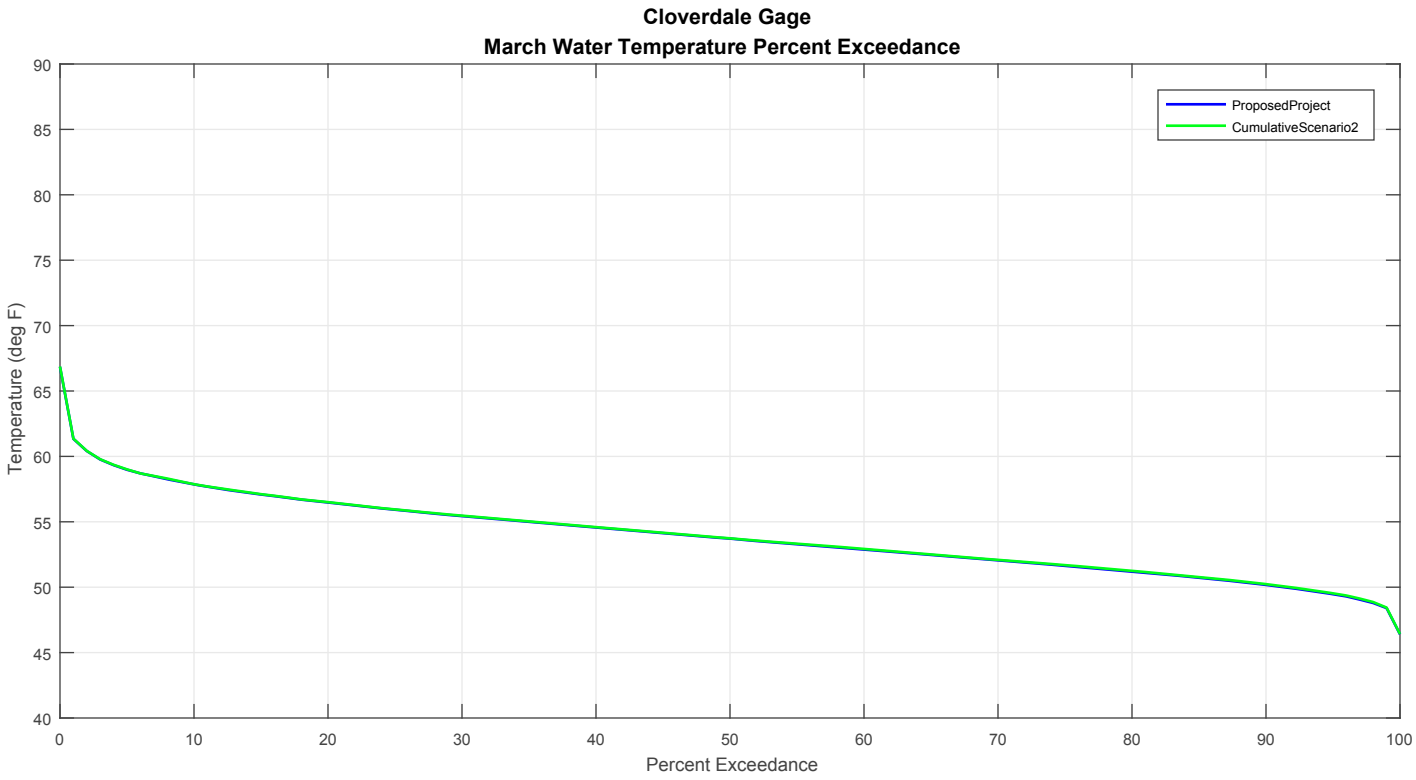
Cloverdale Gage
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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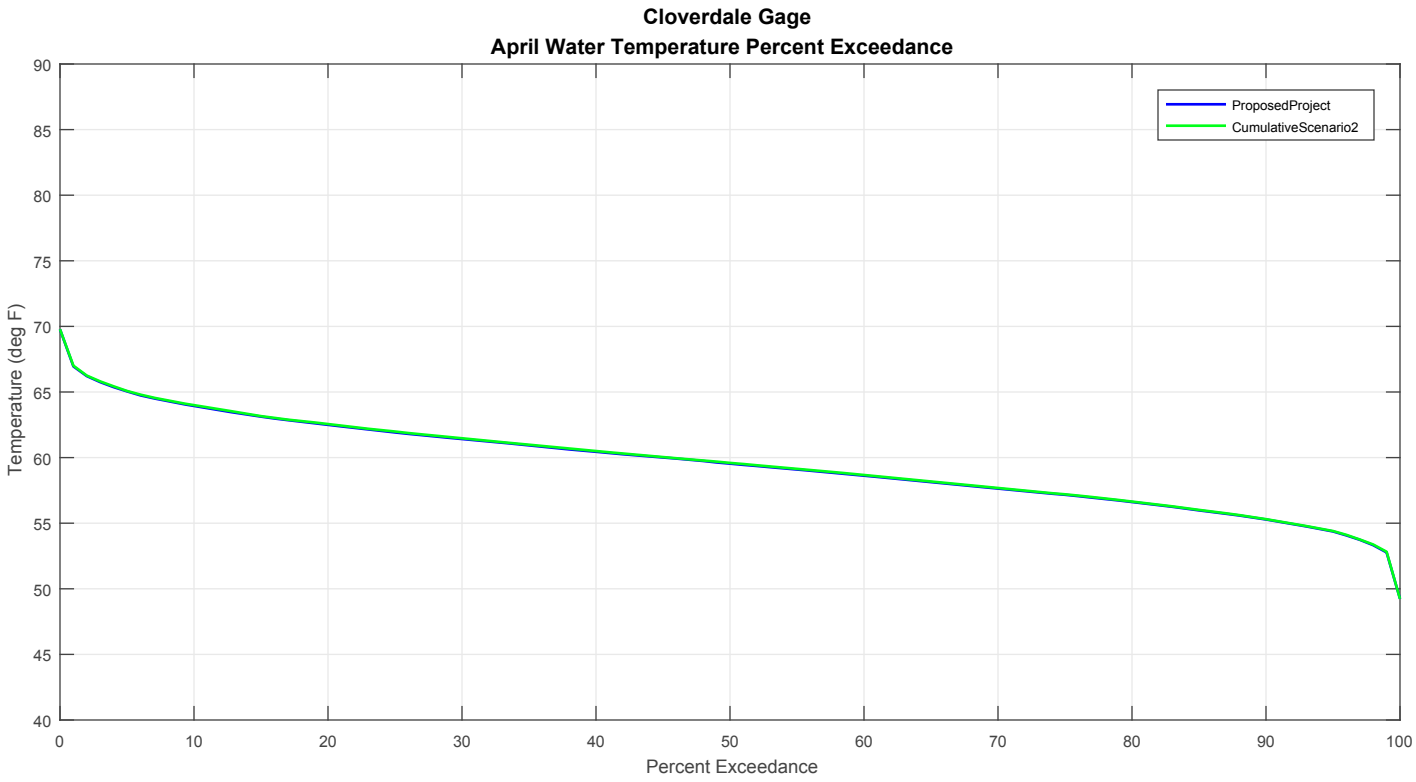
Cloverdale Gage
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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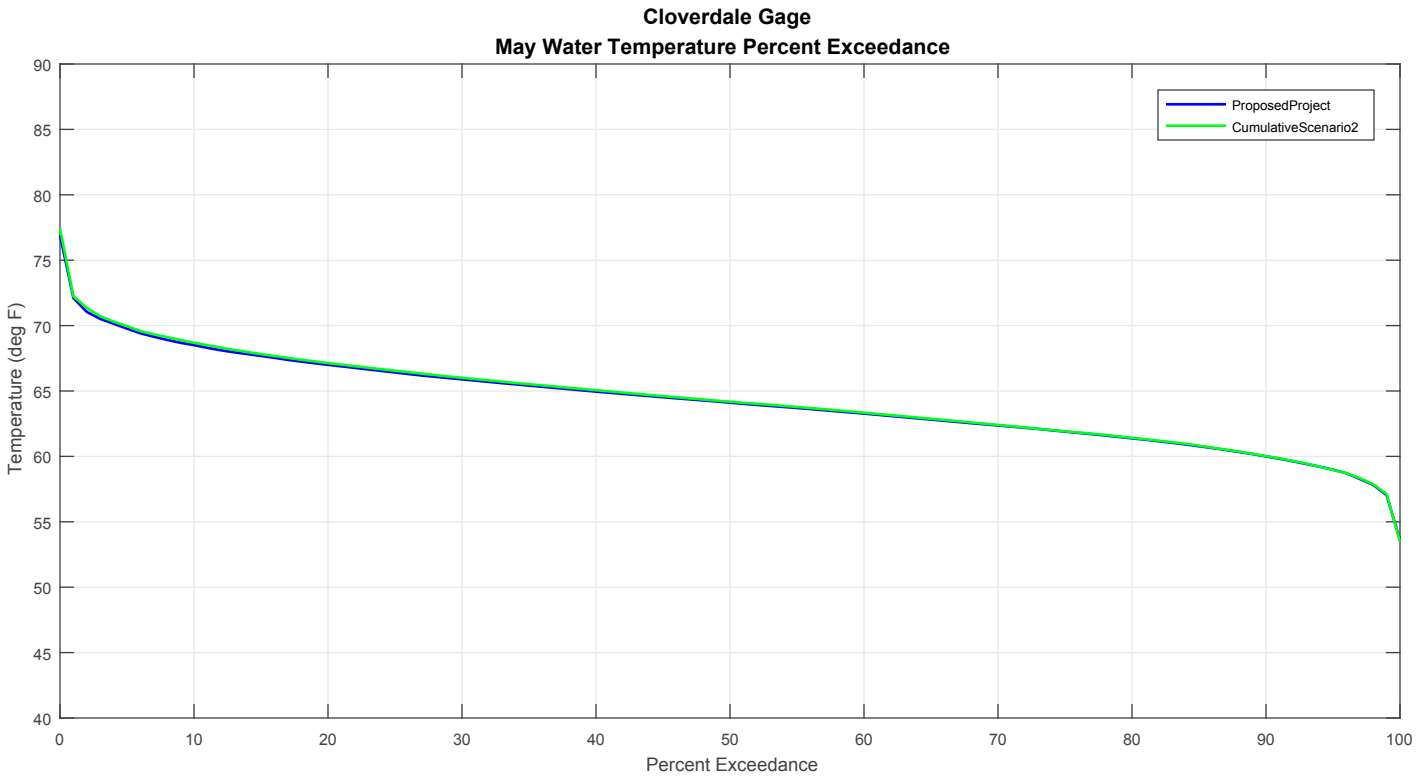
Cloverdale Gage
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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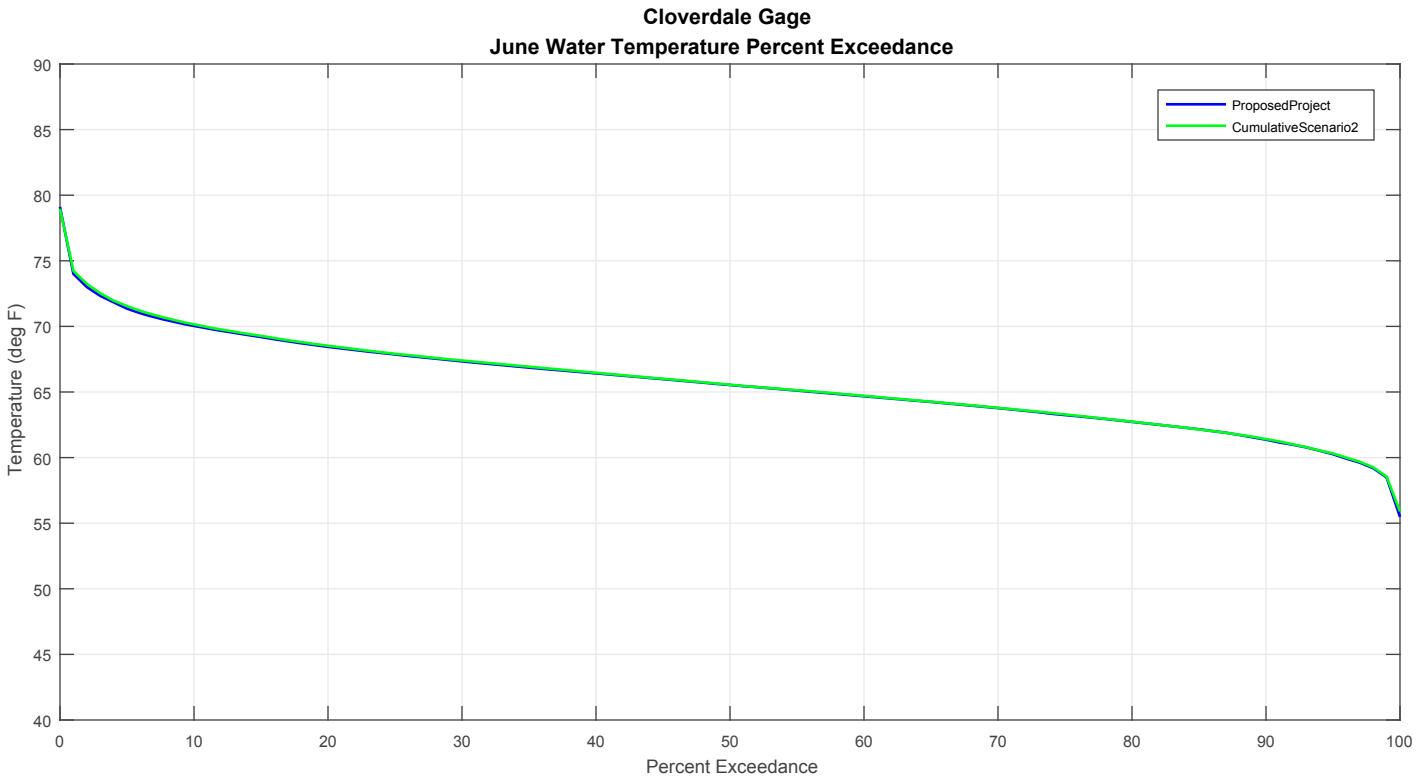
Cloverdale Gage
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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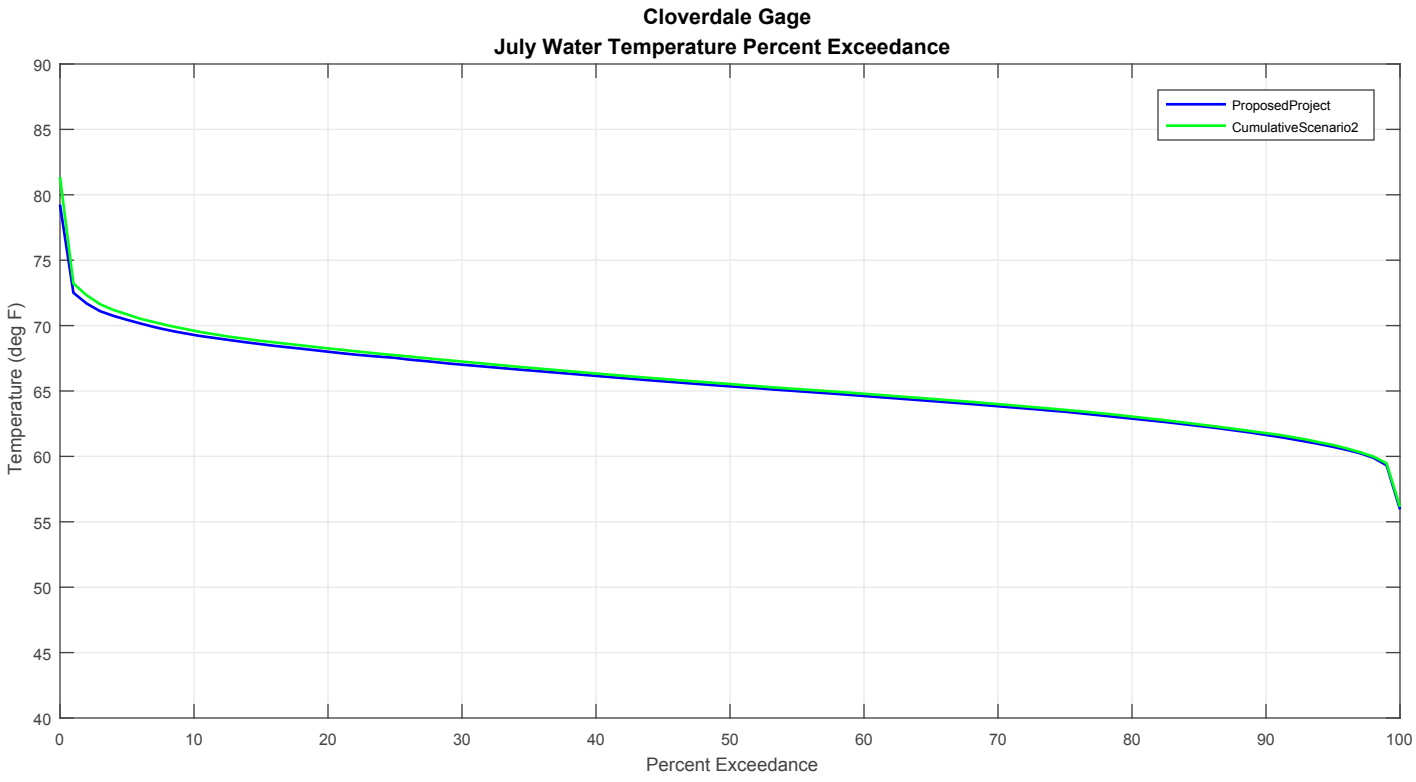
Cloverdale Gage
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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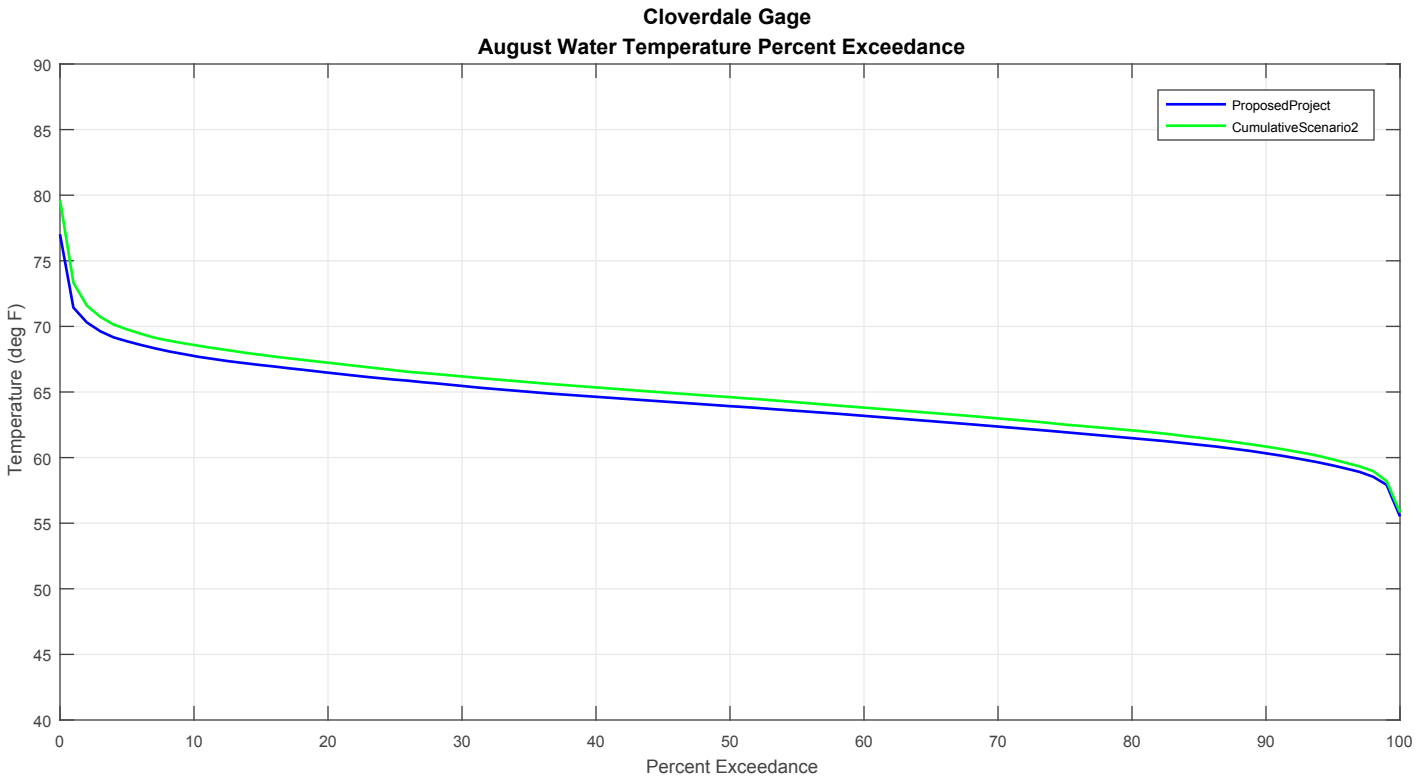
Cloverdale Gage
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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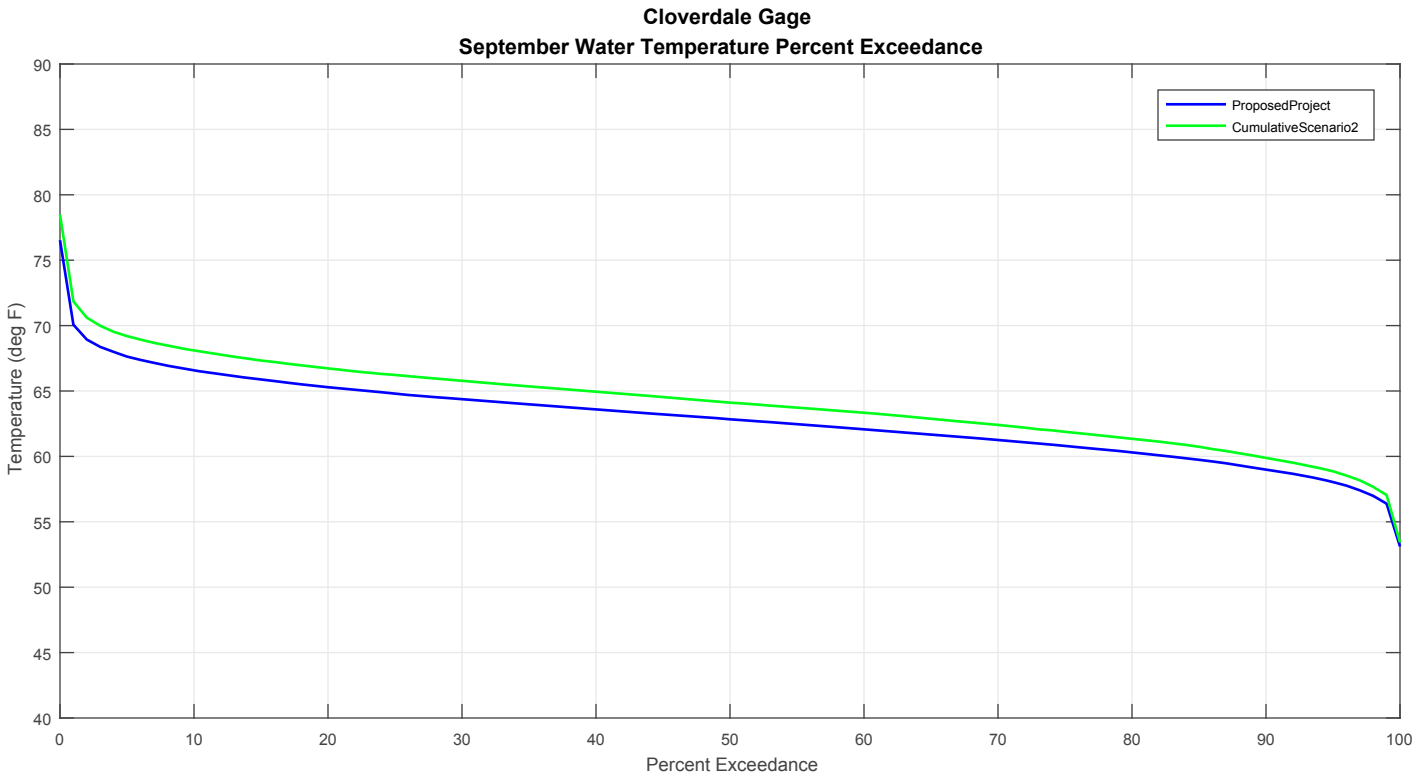
Cloverdale Gage
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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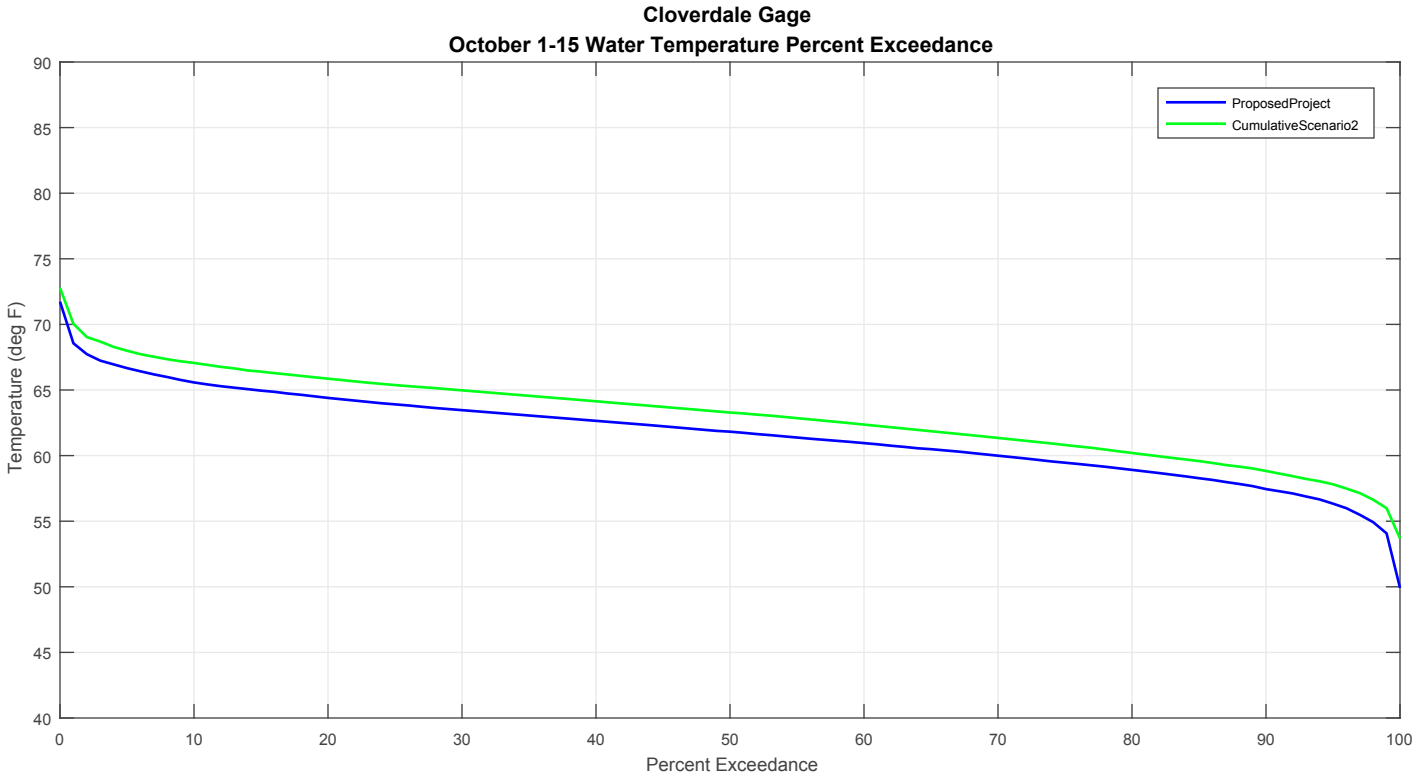
Cloverdale Gage
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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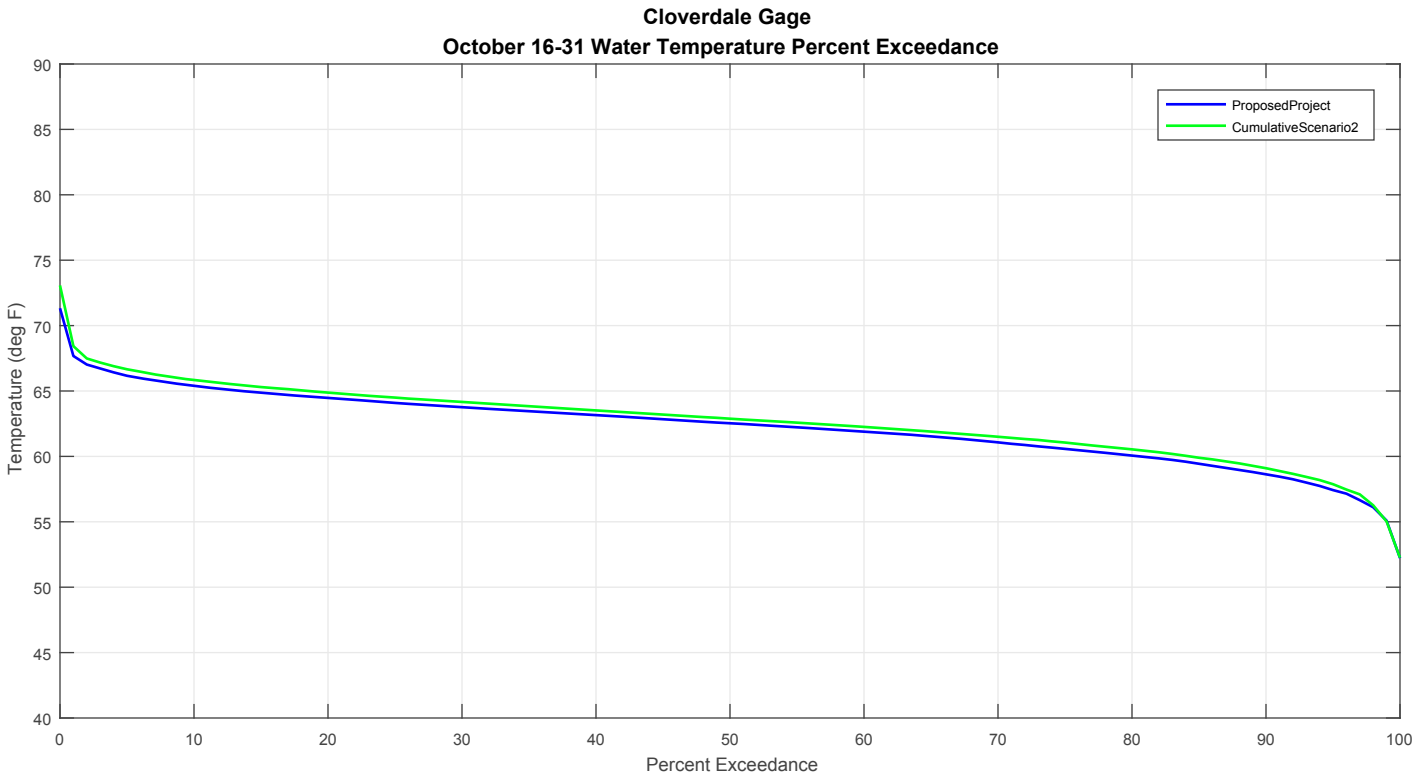
Cloverdale Gage
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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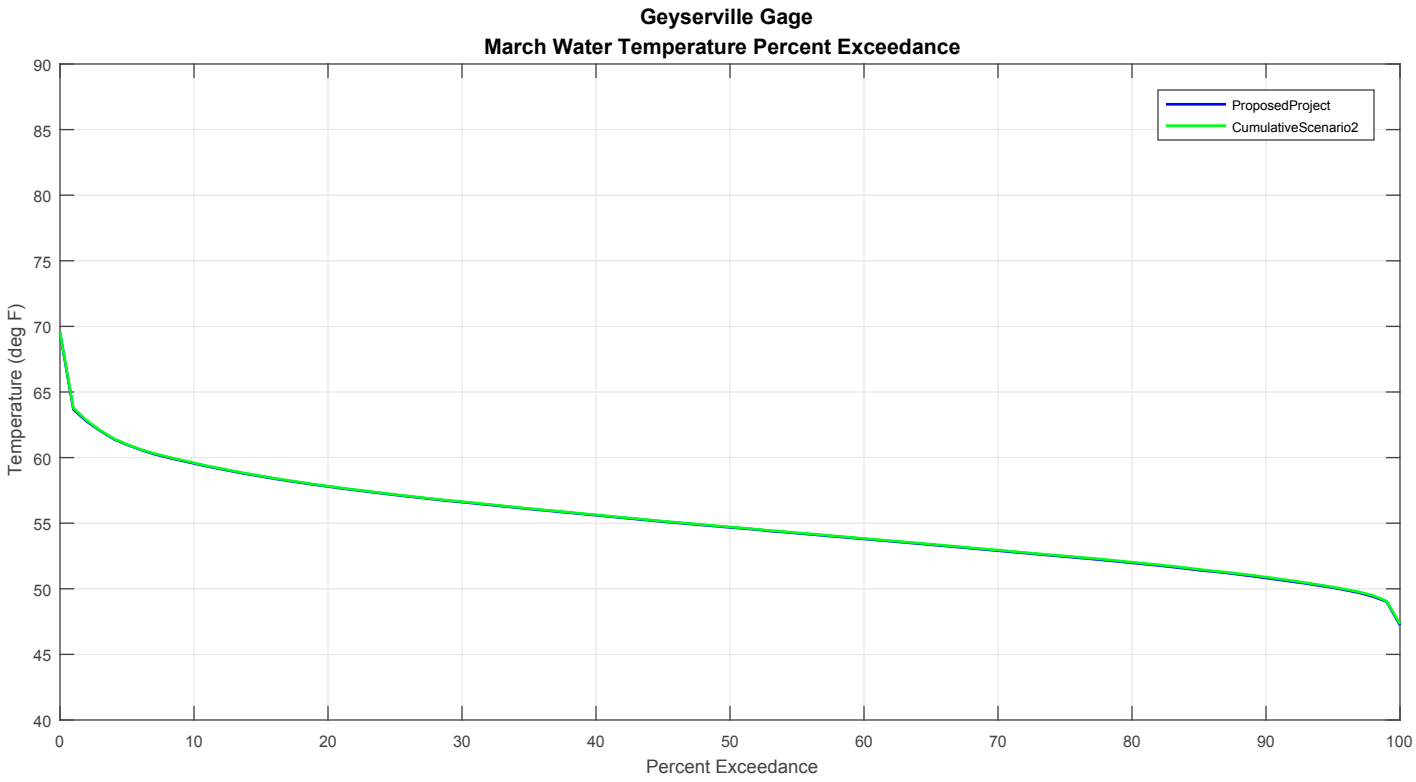
Geyserville Gage
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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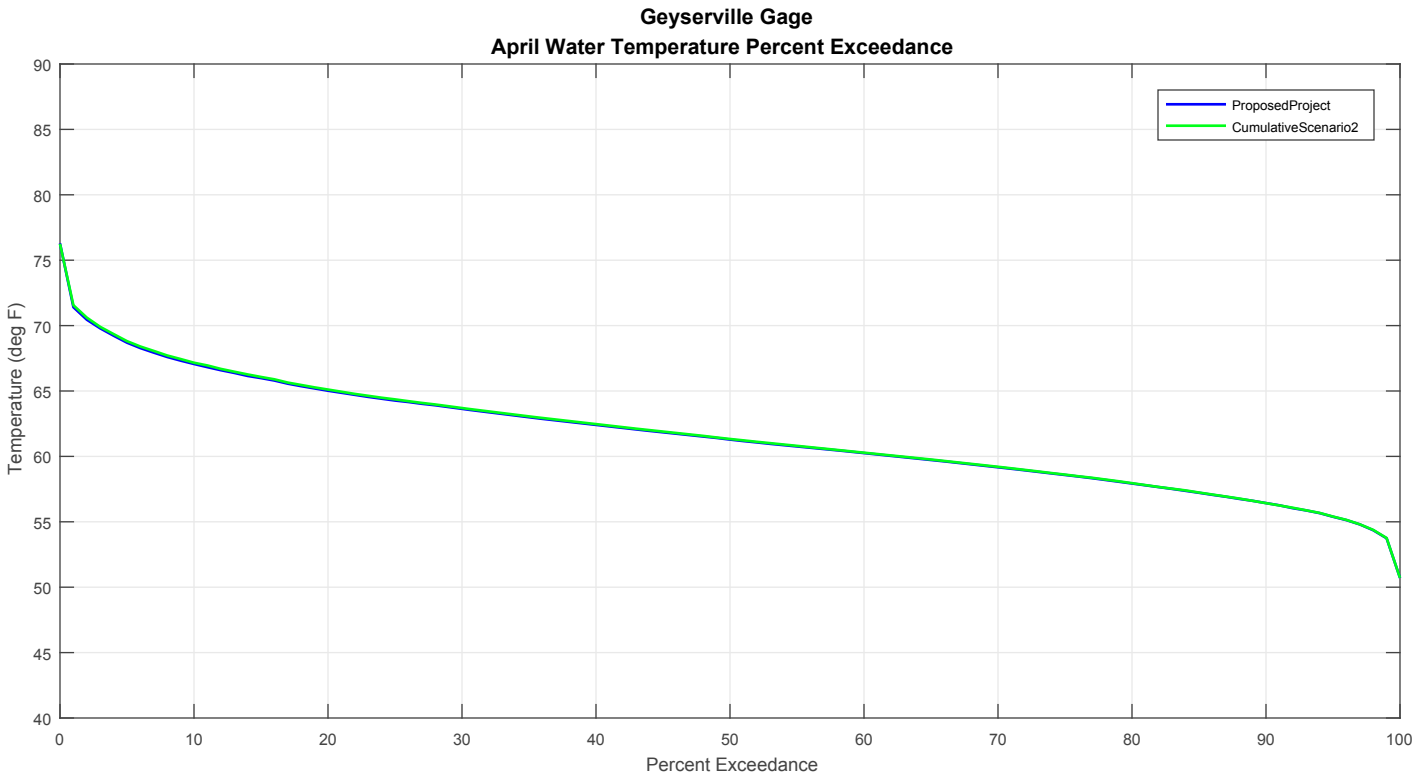
Geyserville Gage
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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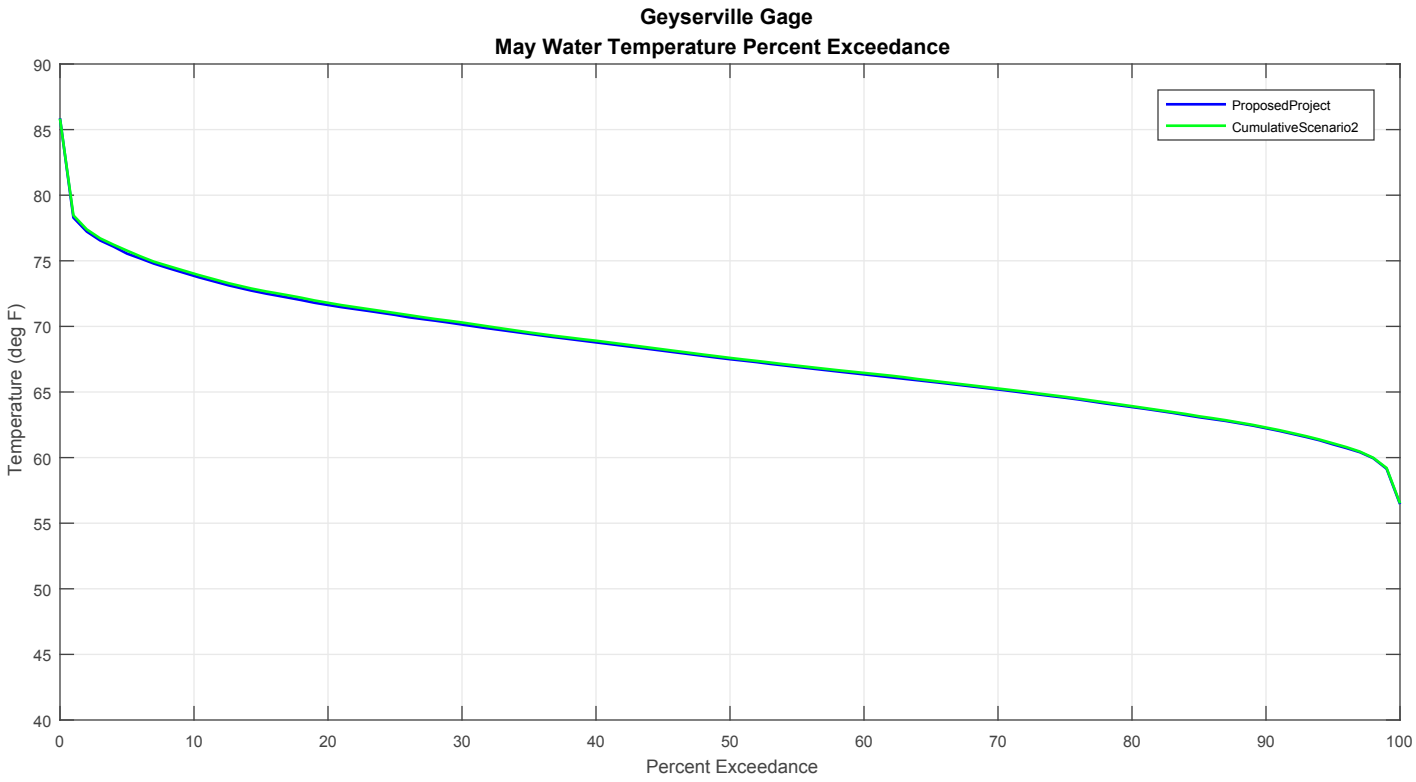
Geyserville Gage
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
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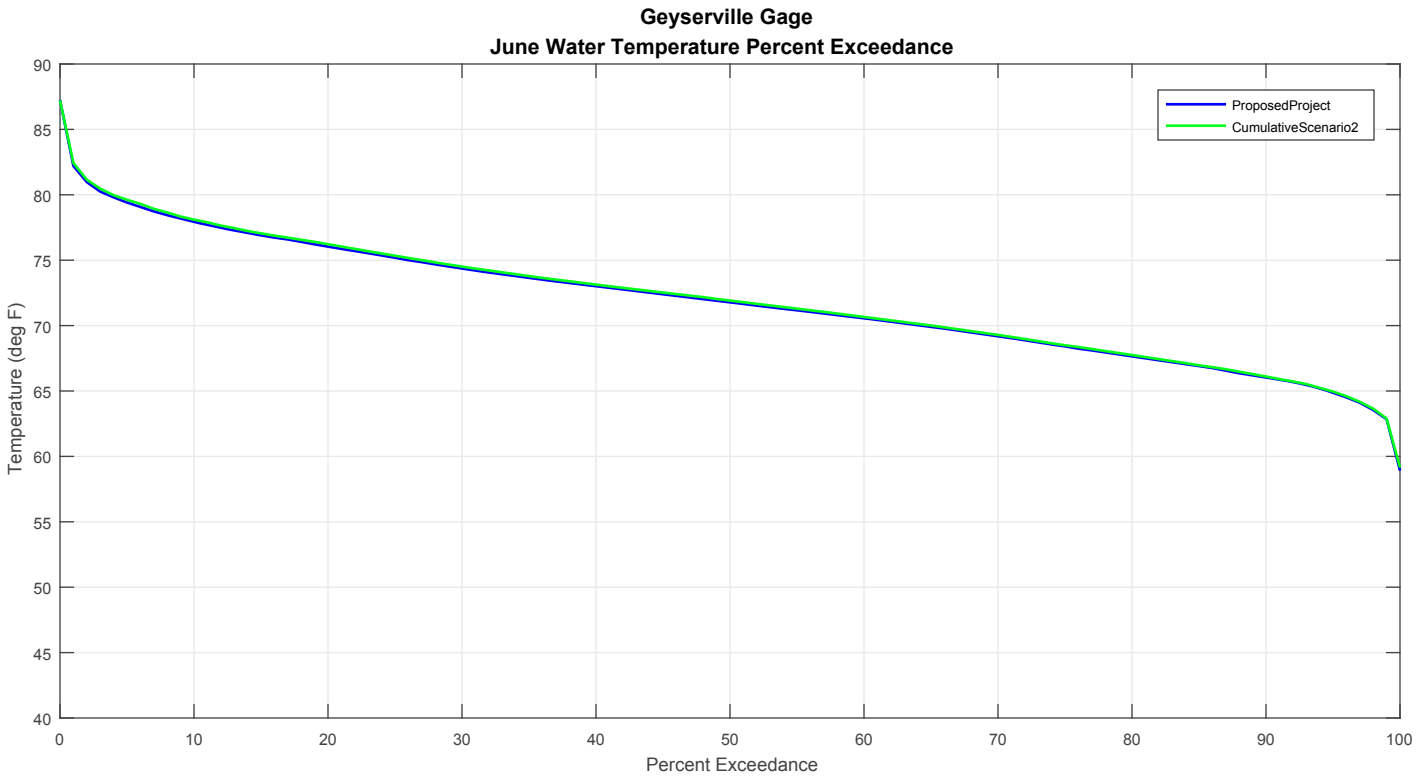
Geyserville Gage
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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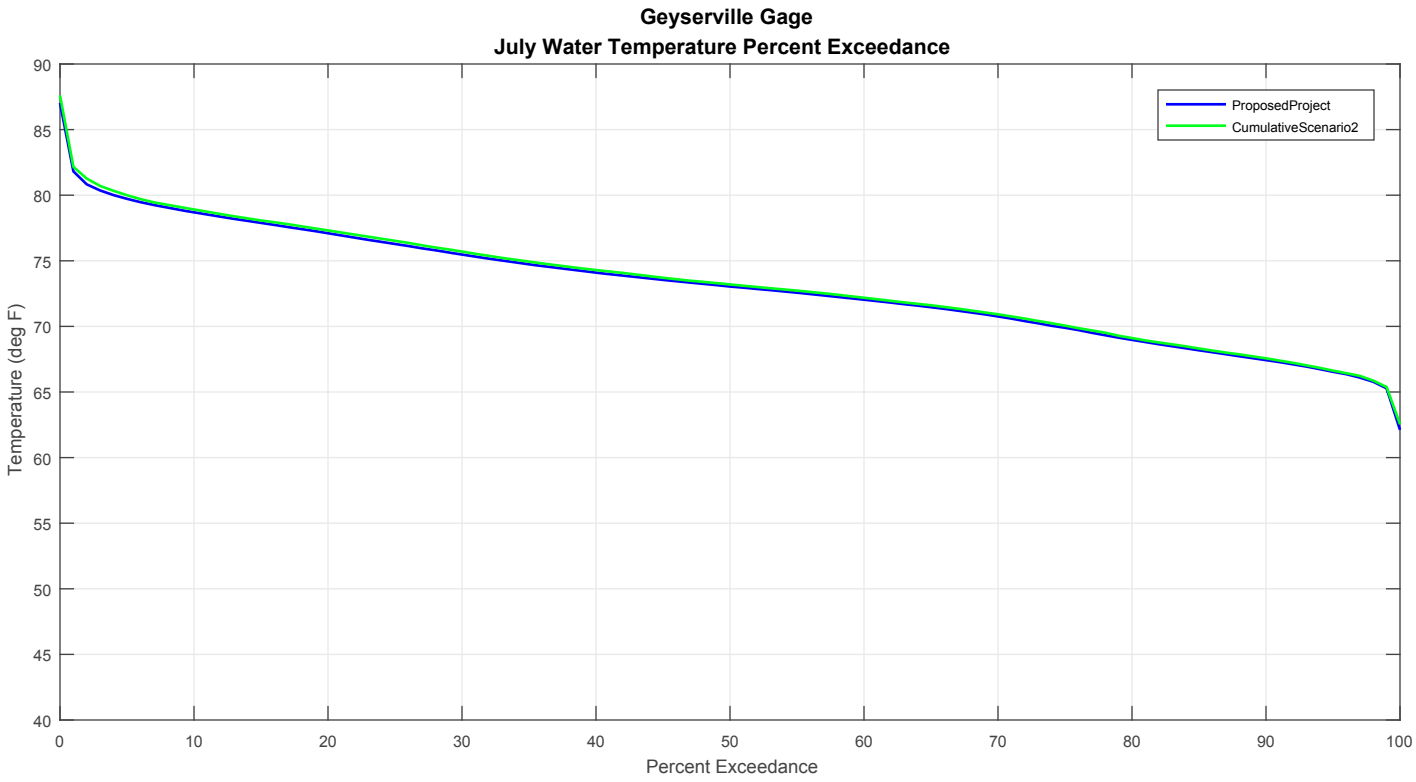
Geyserville Gage
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
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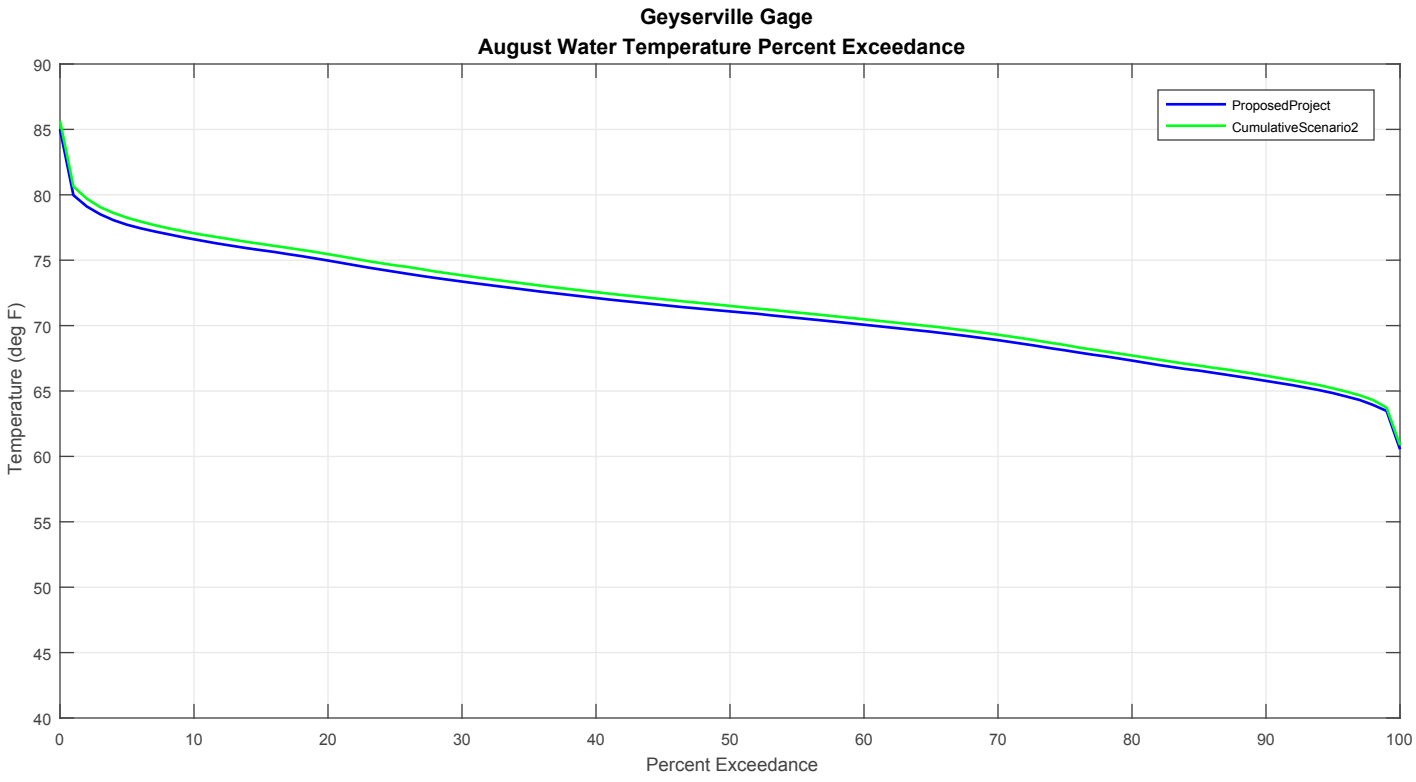
Geyserville Gage
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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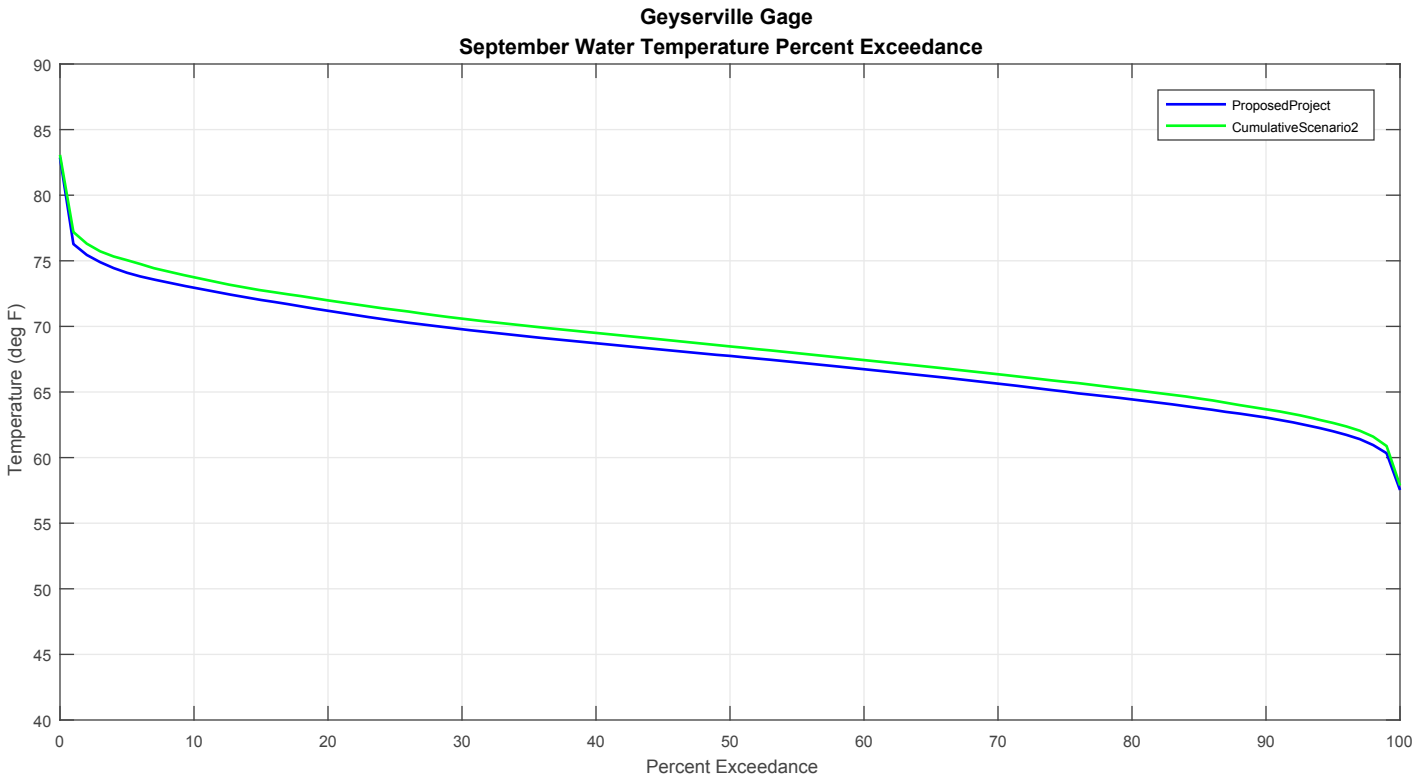
Geyserville Gage
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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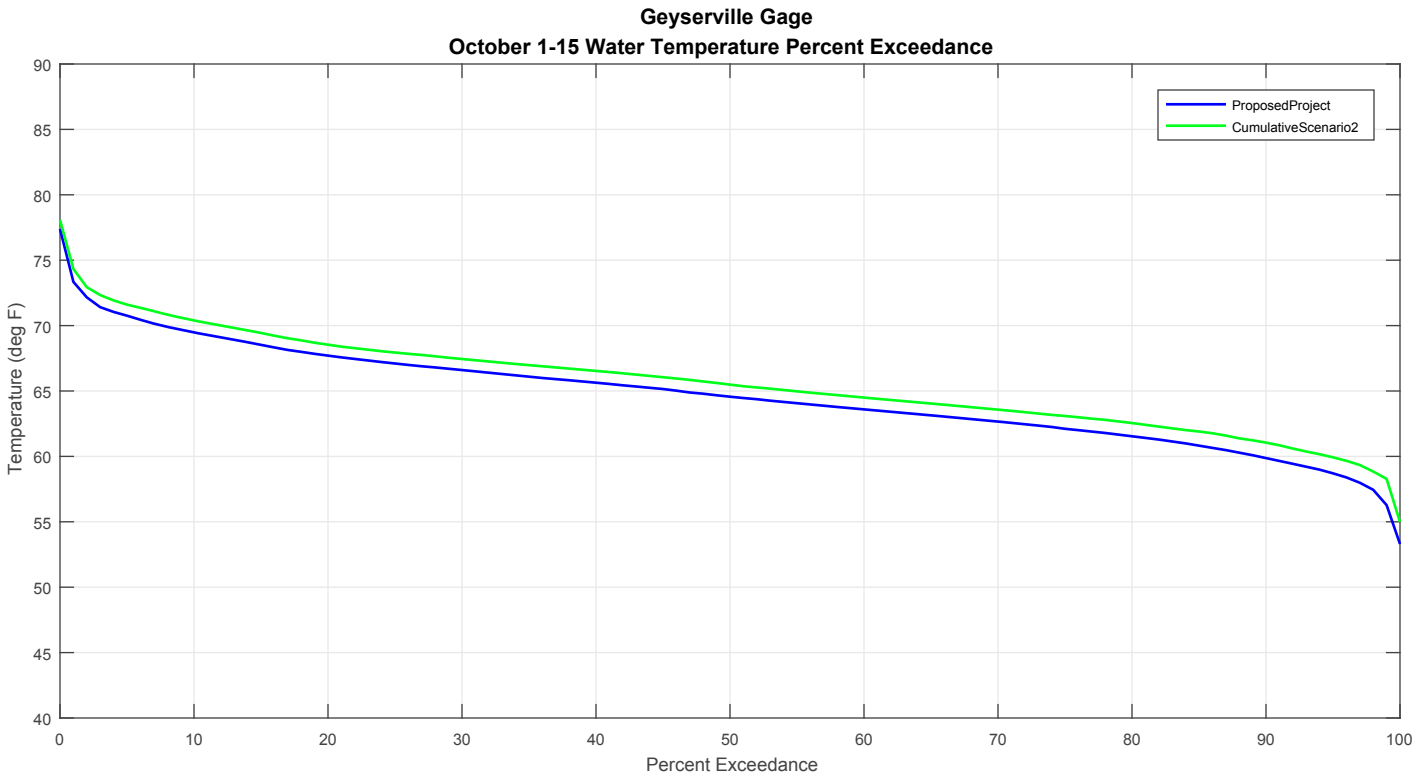
Geyserville Gage
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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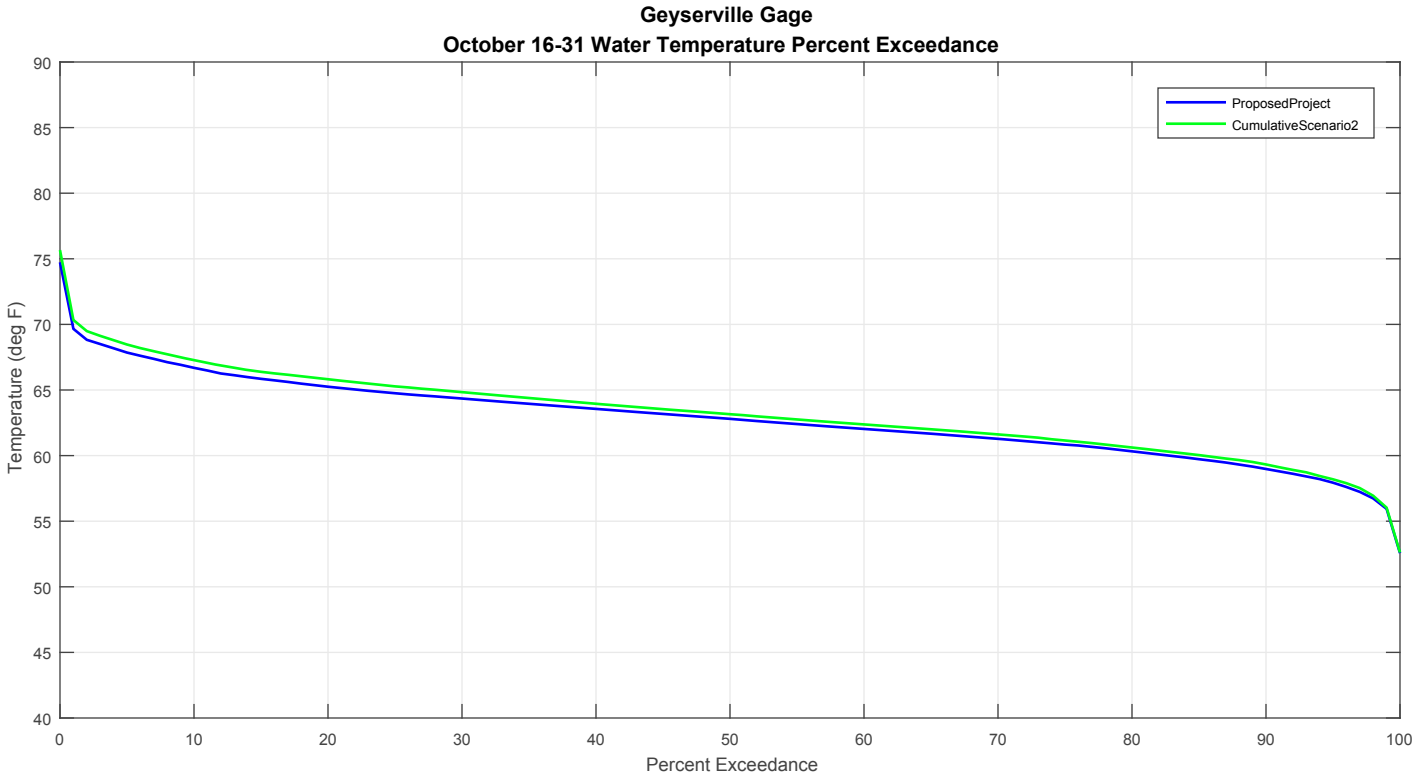
Geyserville Gage
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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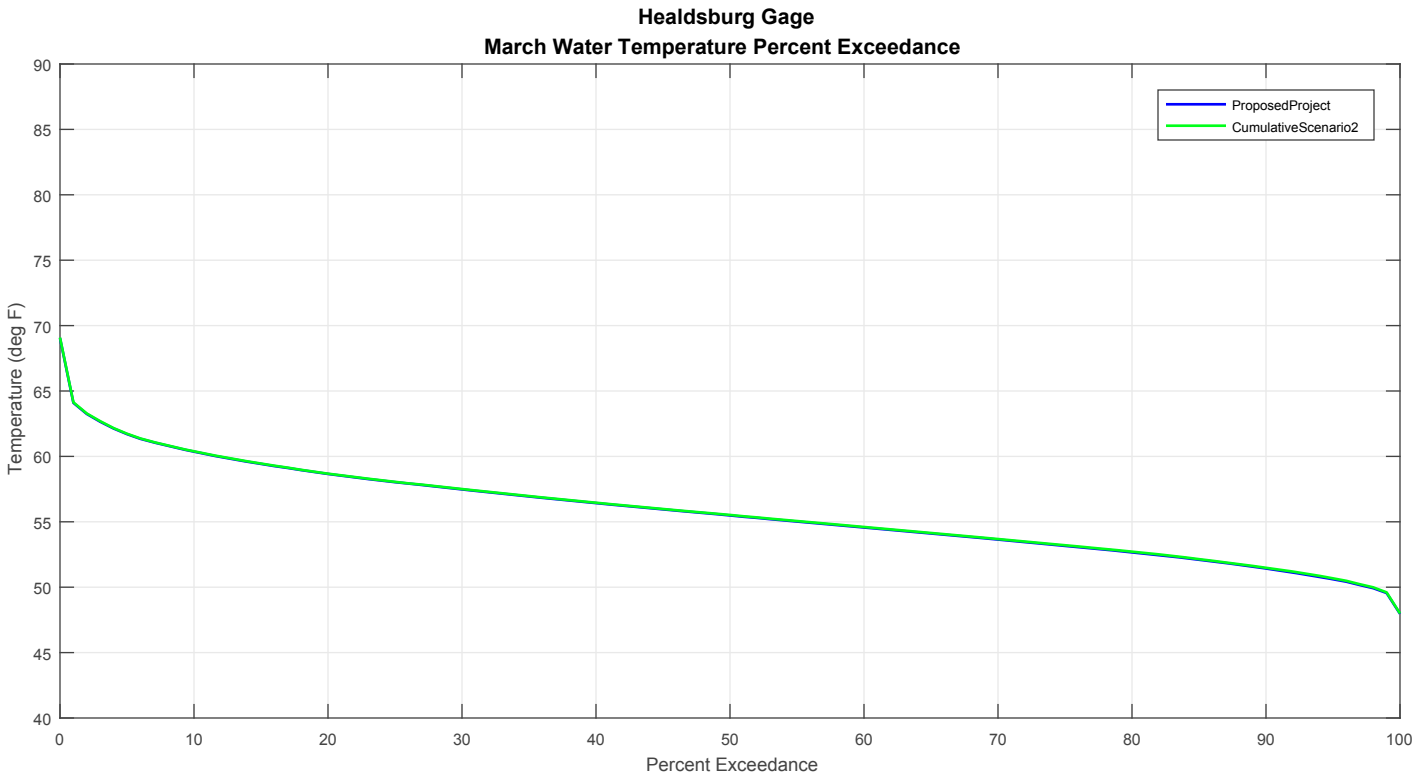
Healdsburg Gage
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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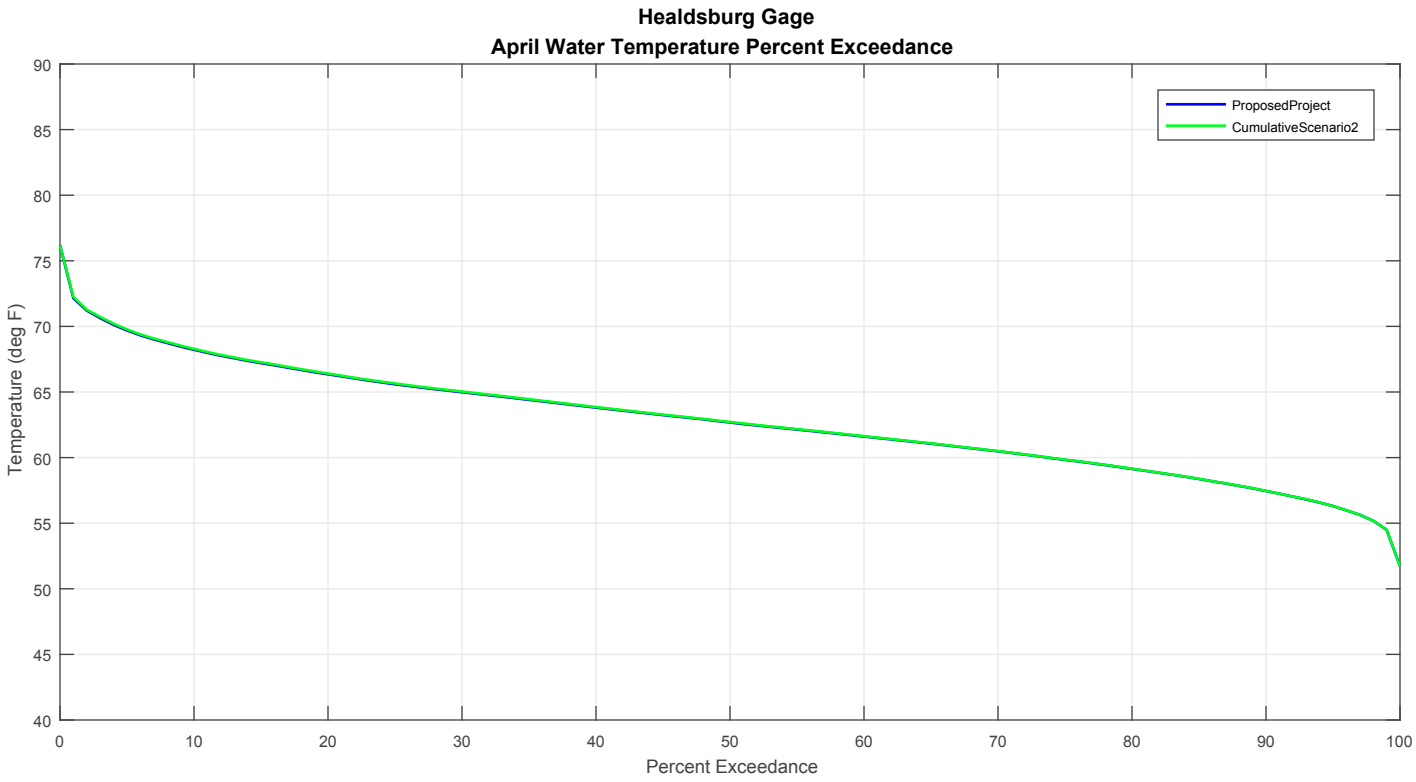
Healdsburg Gage
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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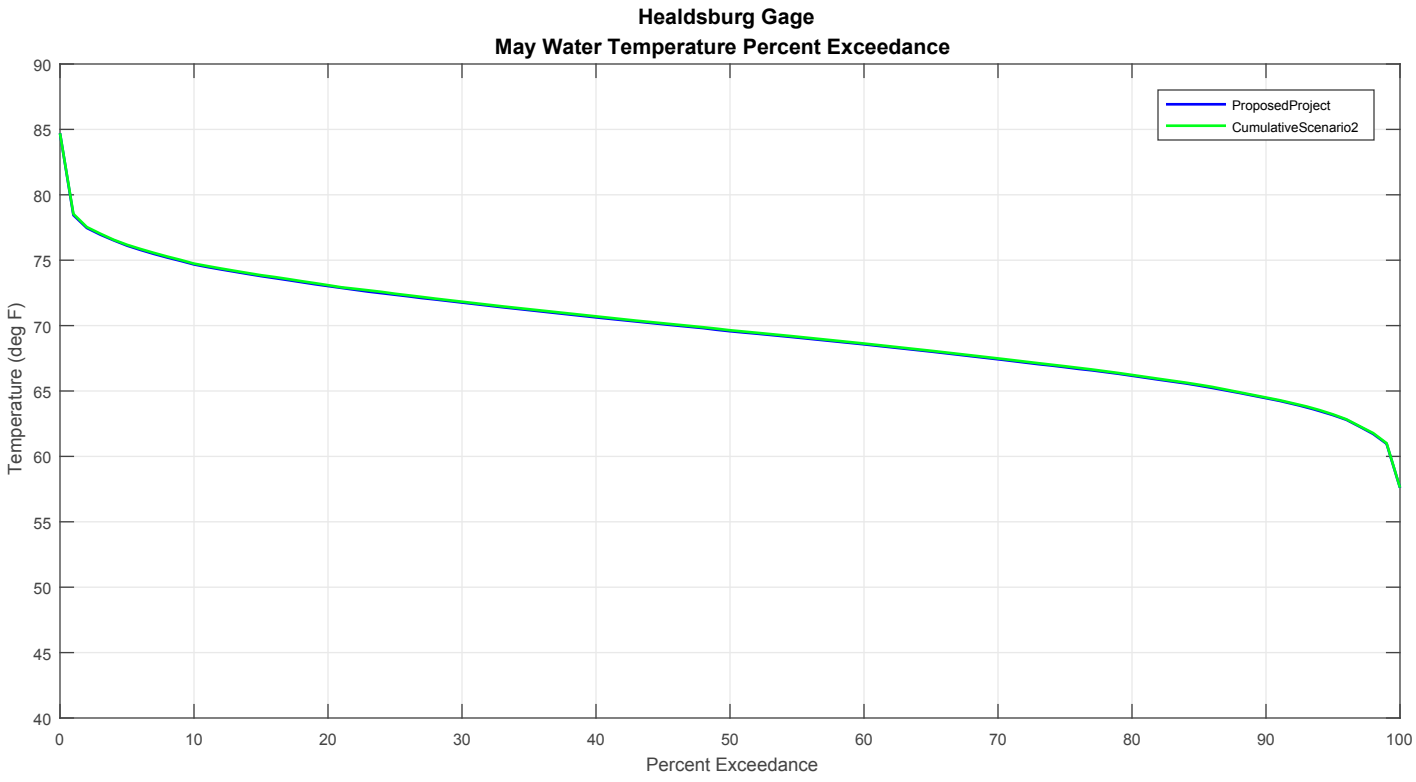
Healdsburg Gage
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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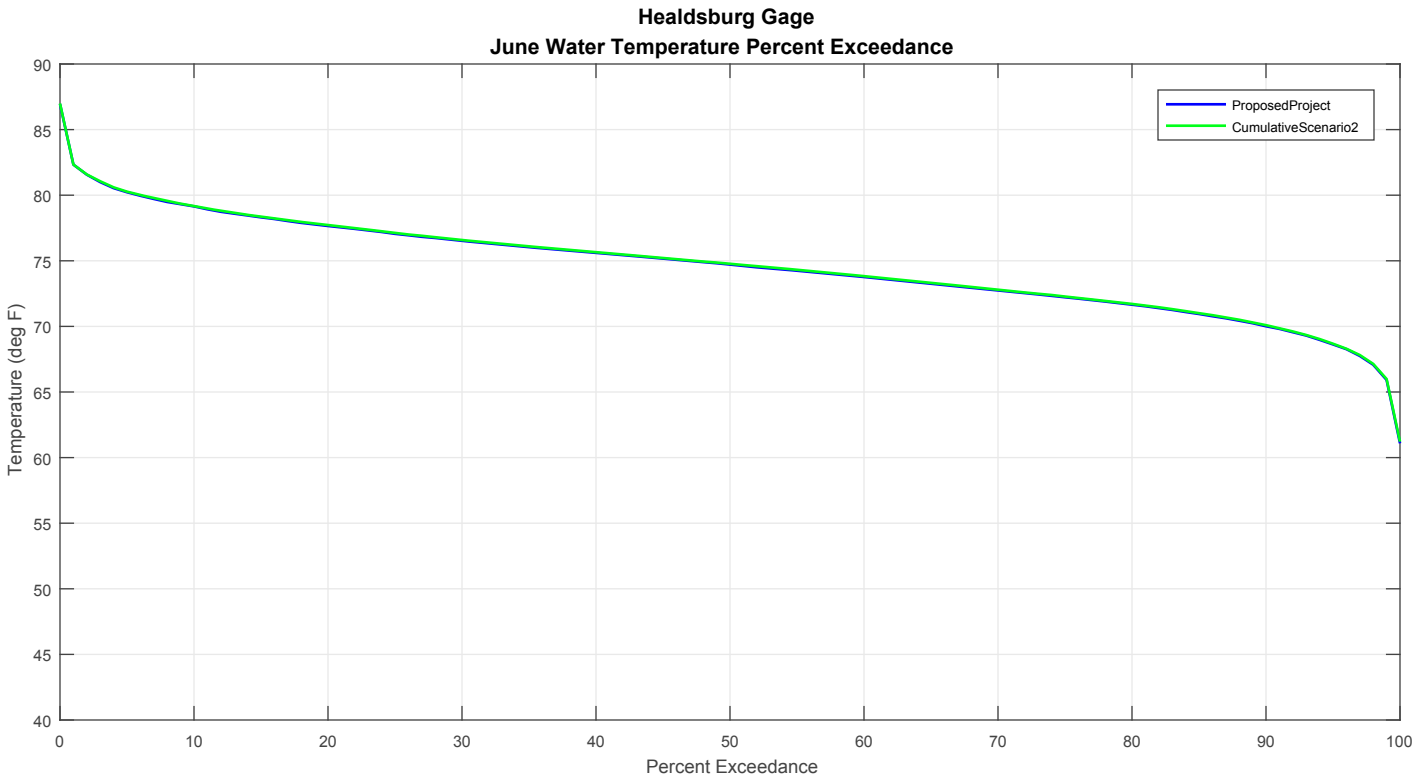
Healdsburg Gage
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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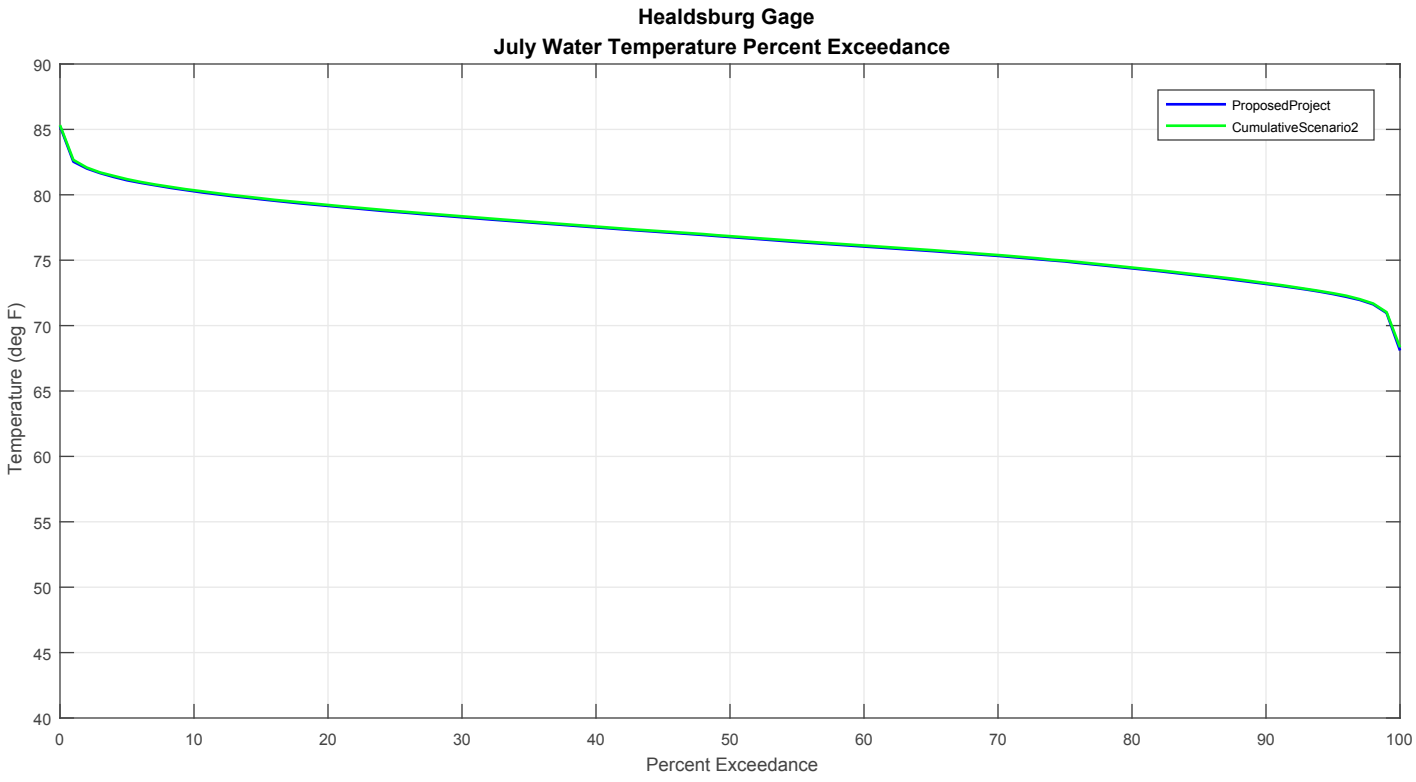
Healdsburg Gage
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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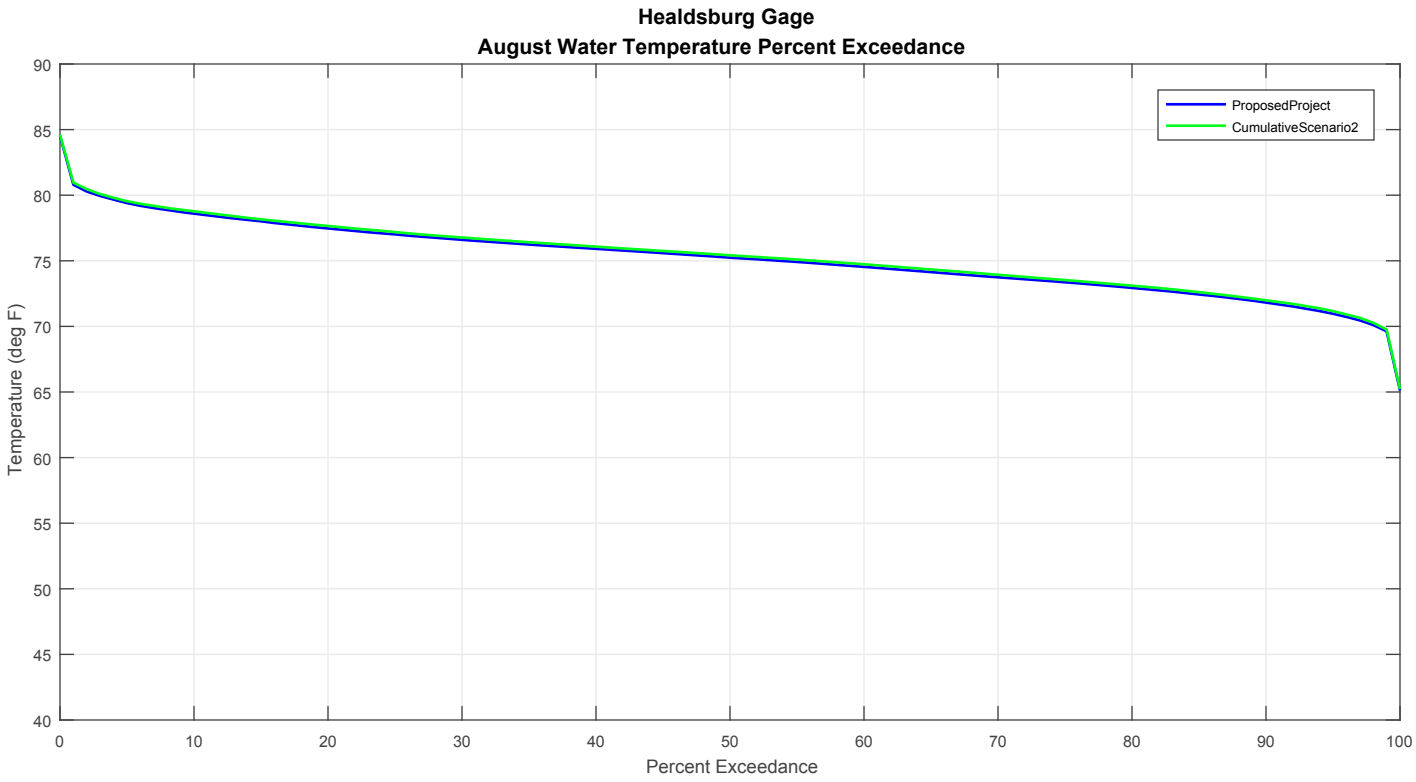
Healdsburg Gage
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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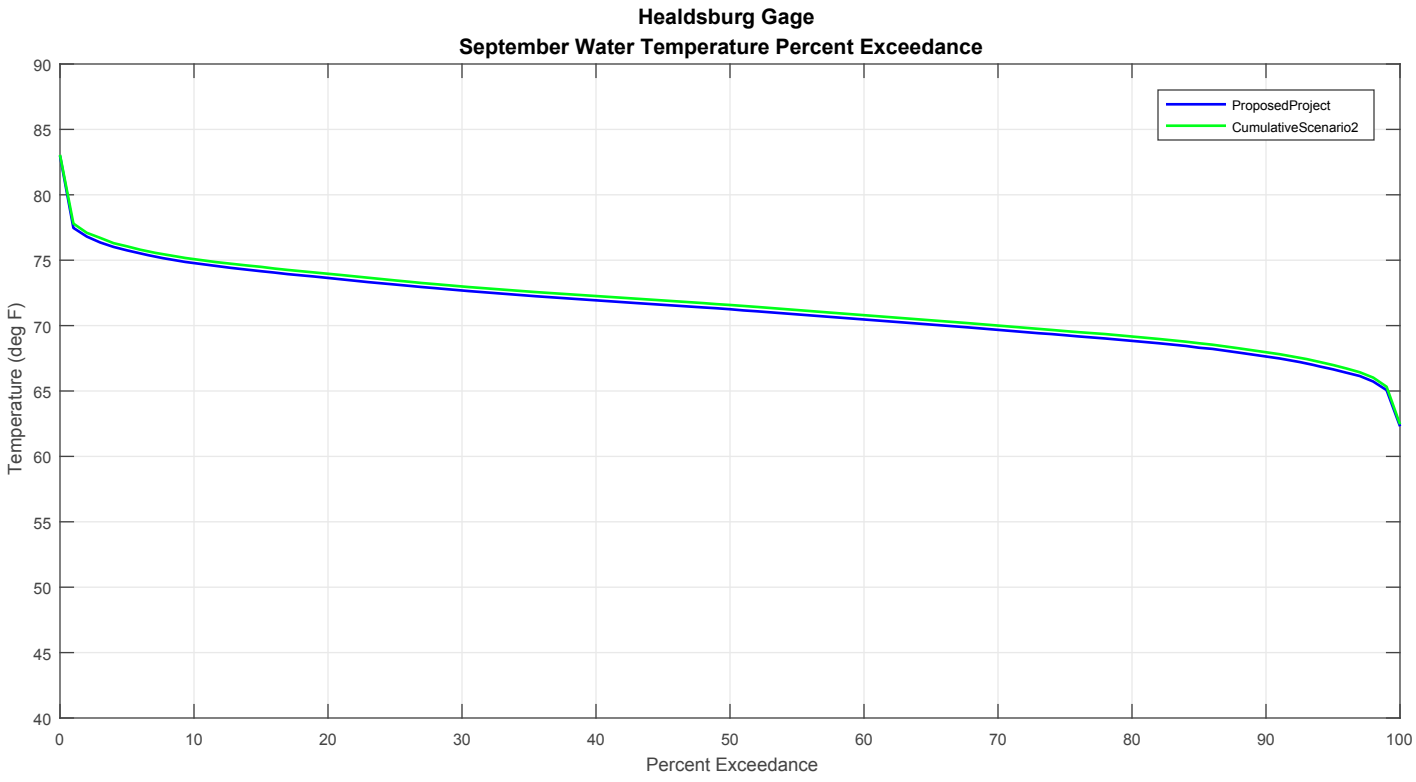
Healdsburg Gage
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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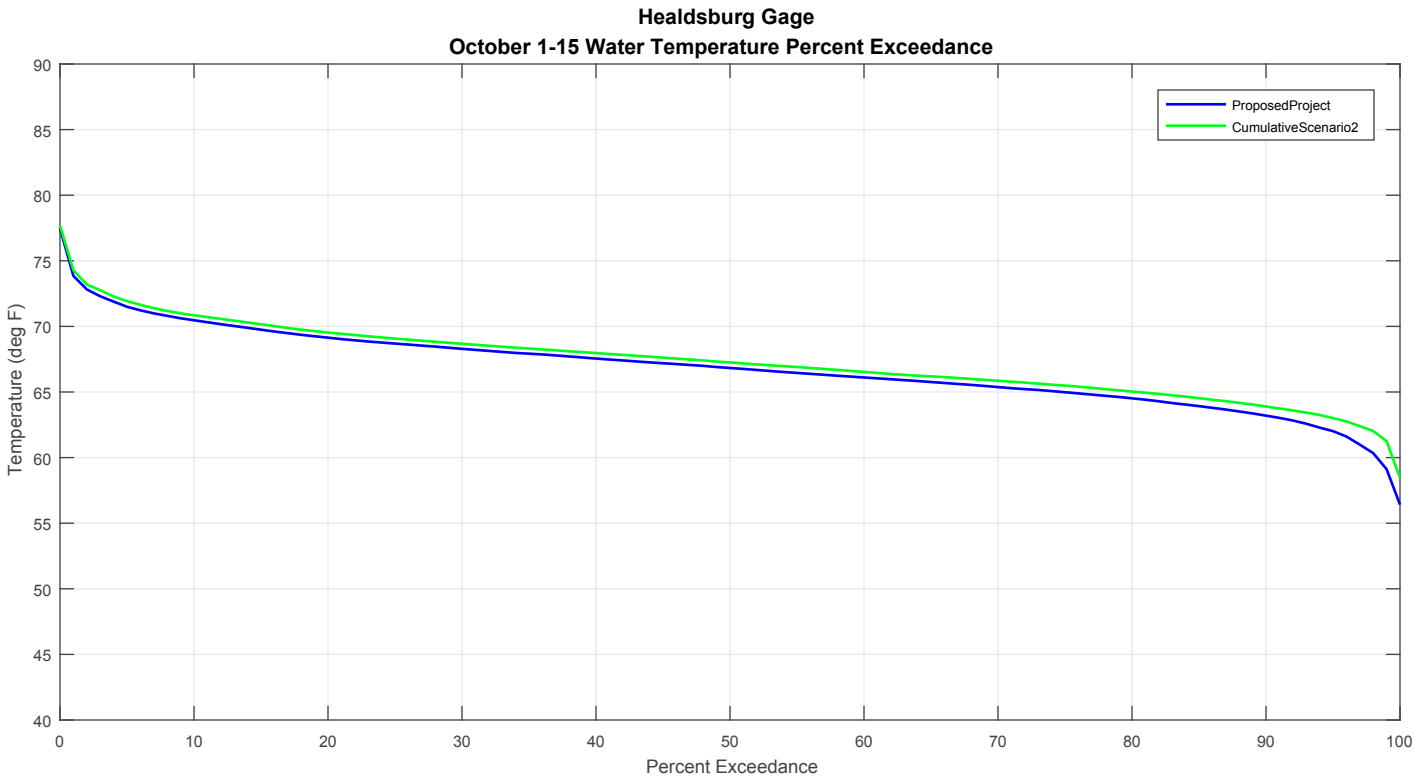
Healdsburg Gage
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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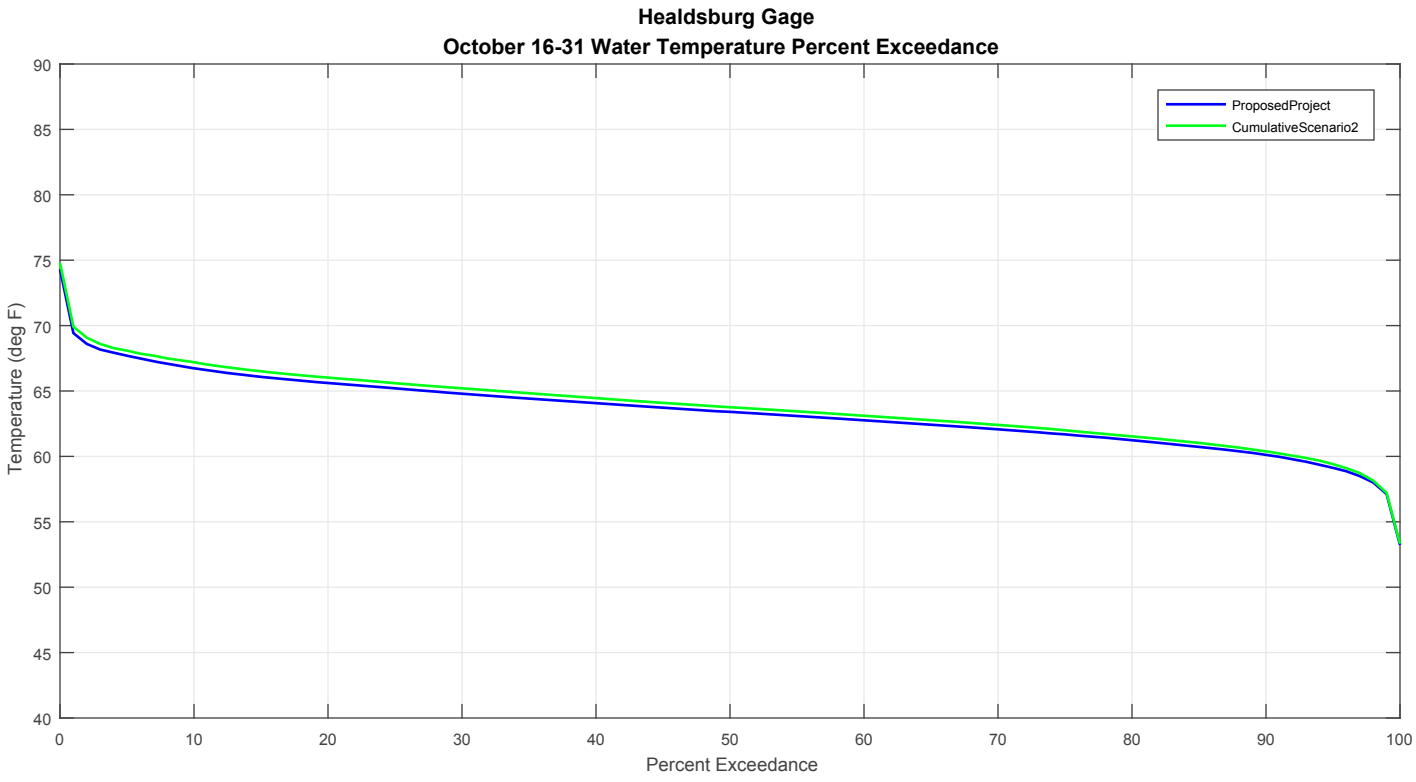
Healdsburg Gage
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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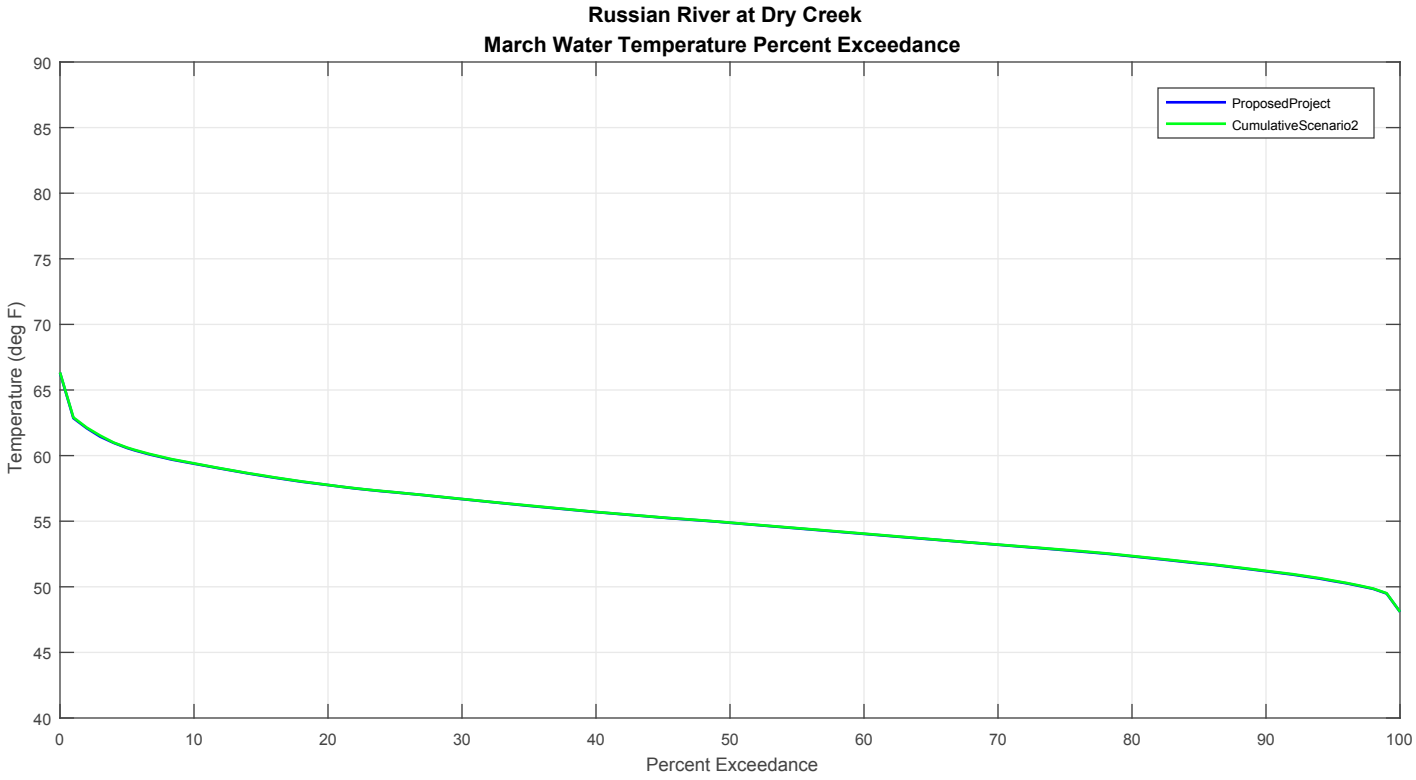
Russian River at Dry Creek
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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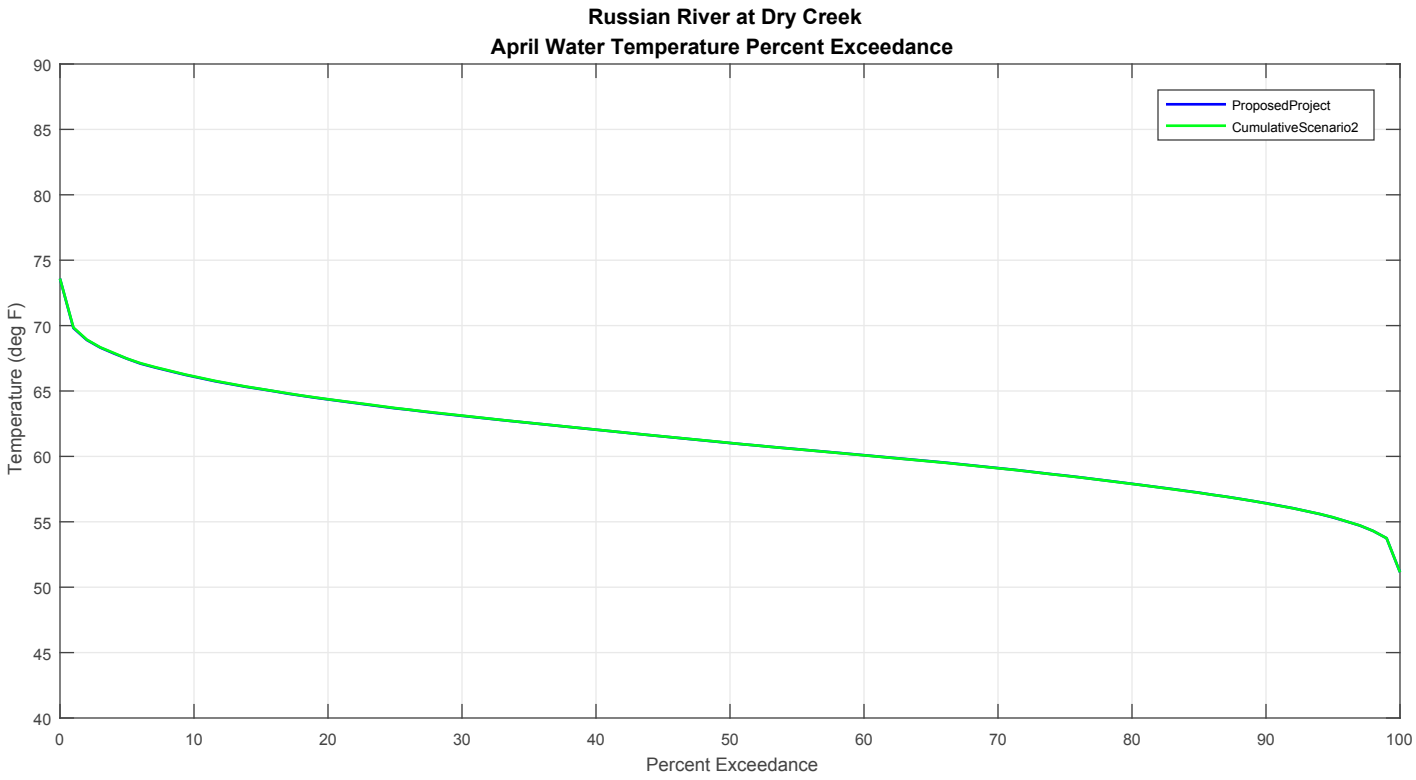
Russian River at Dry Creek
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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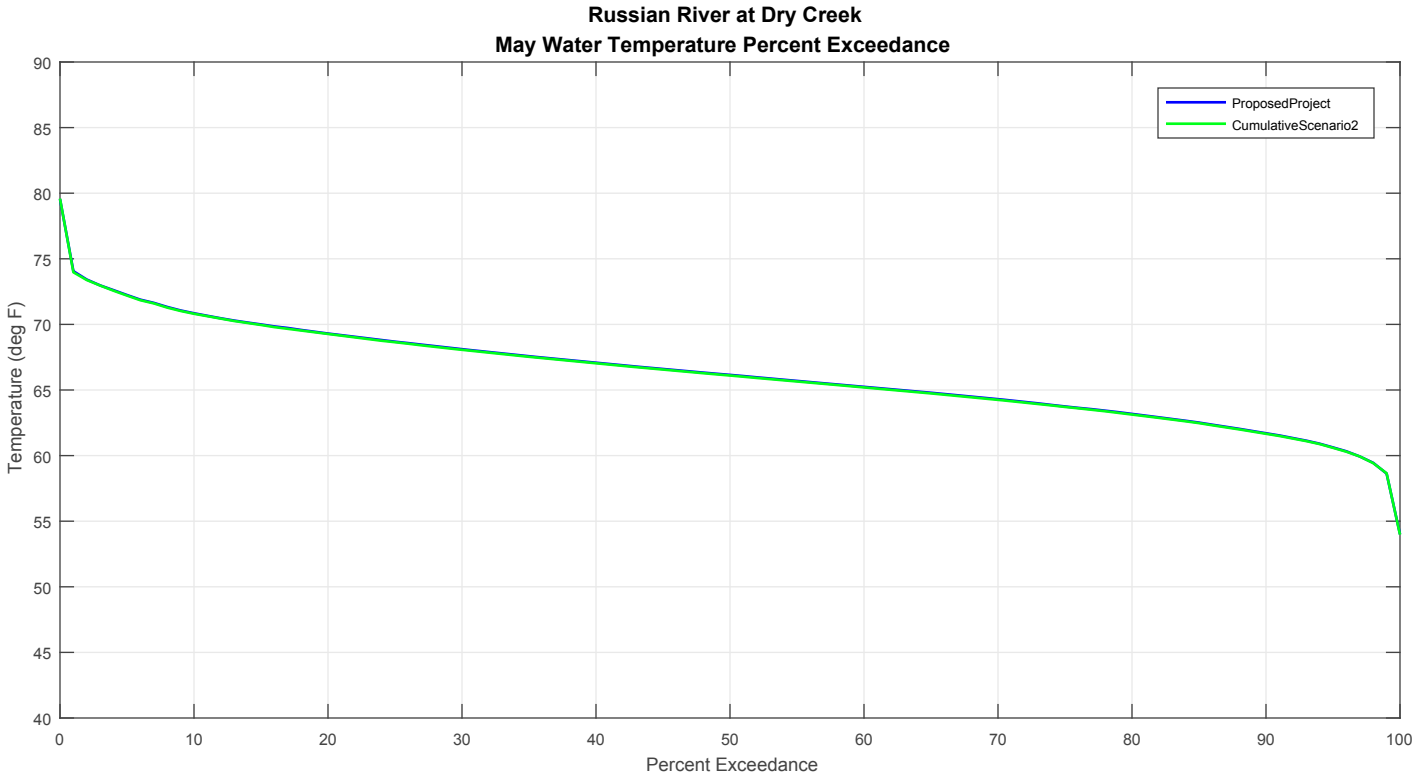
Russian River at Dry Creek
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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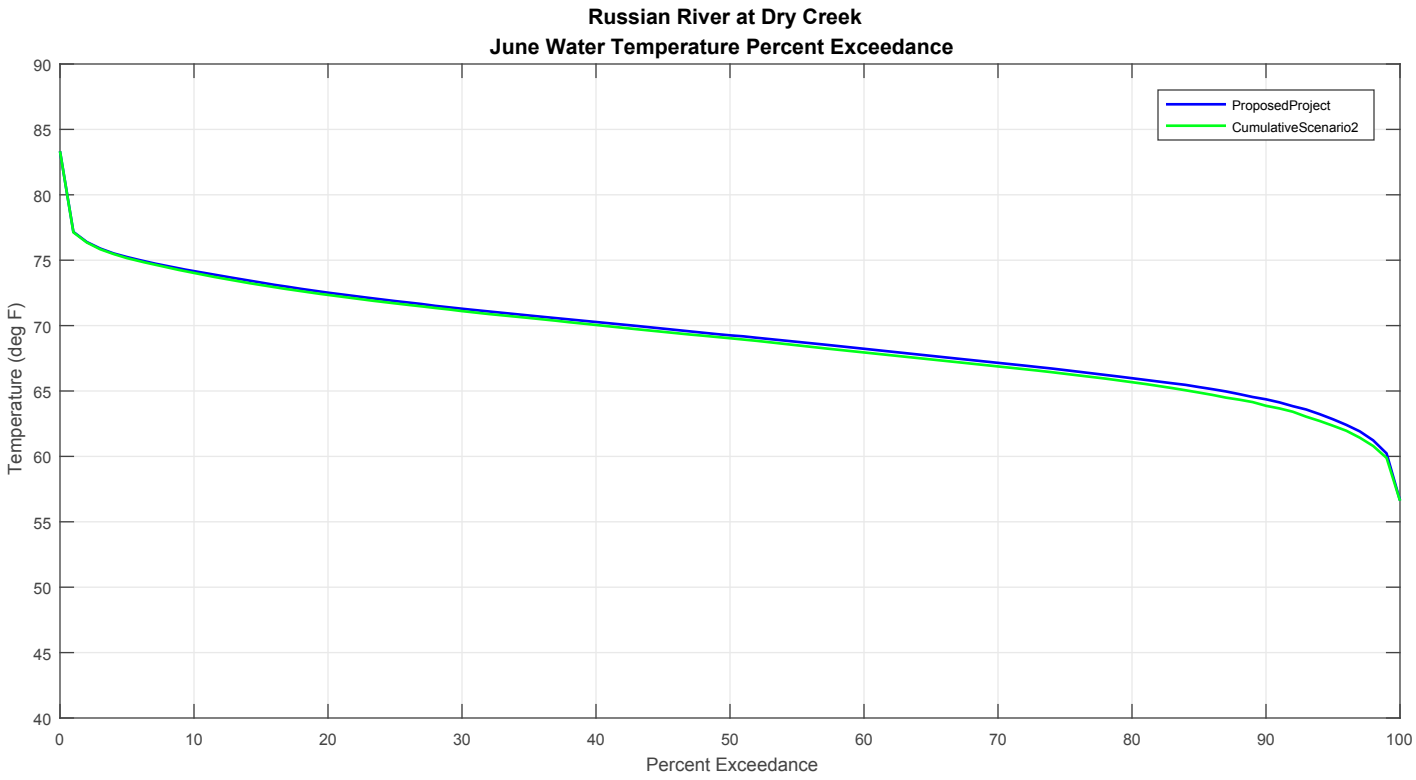
Russian River at Dry Creek
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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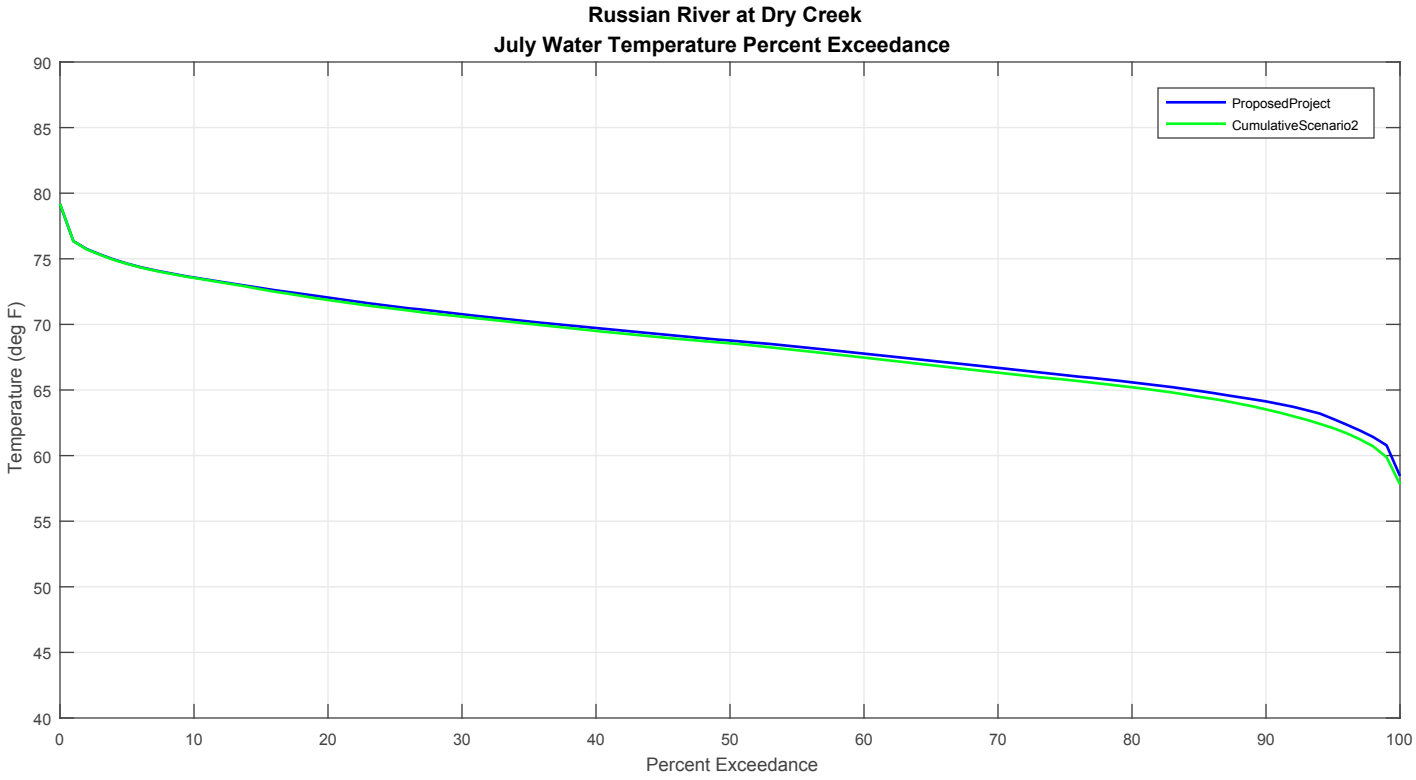
Russian River at Dry Creek
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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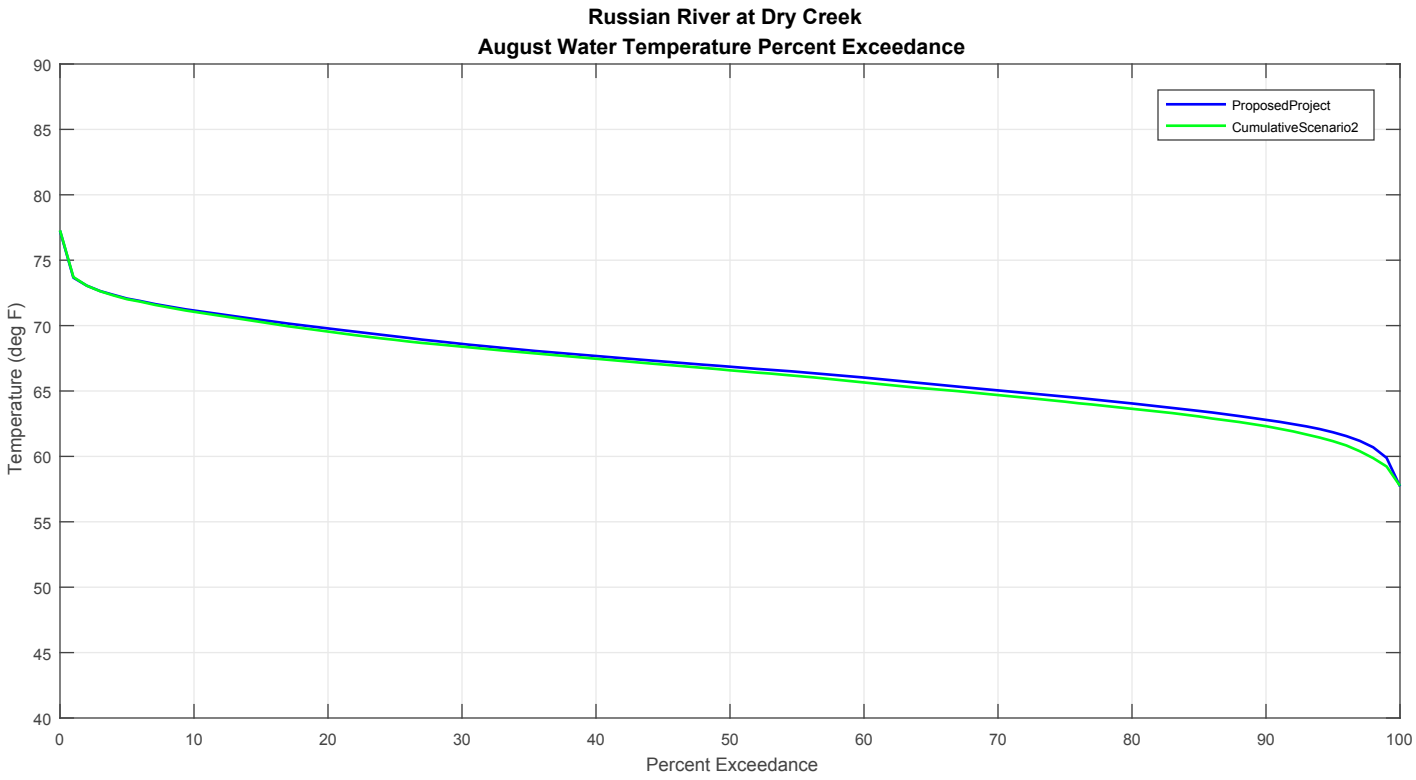
Russian River at Dry Creek
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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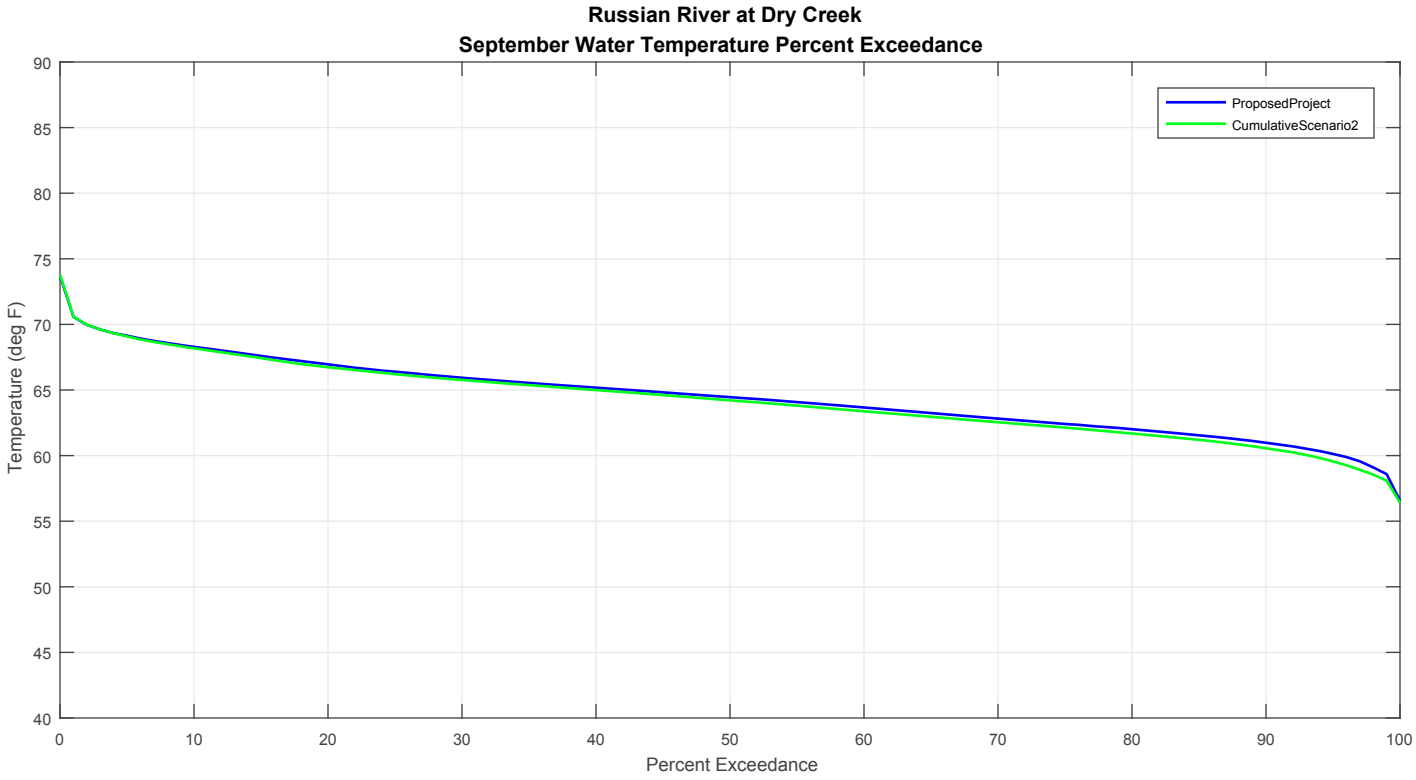
Russian River at Dry Creek
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
90
85
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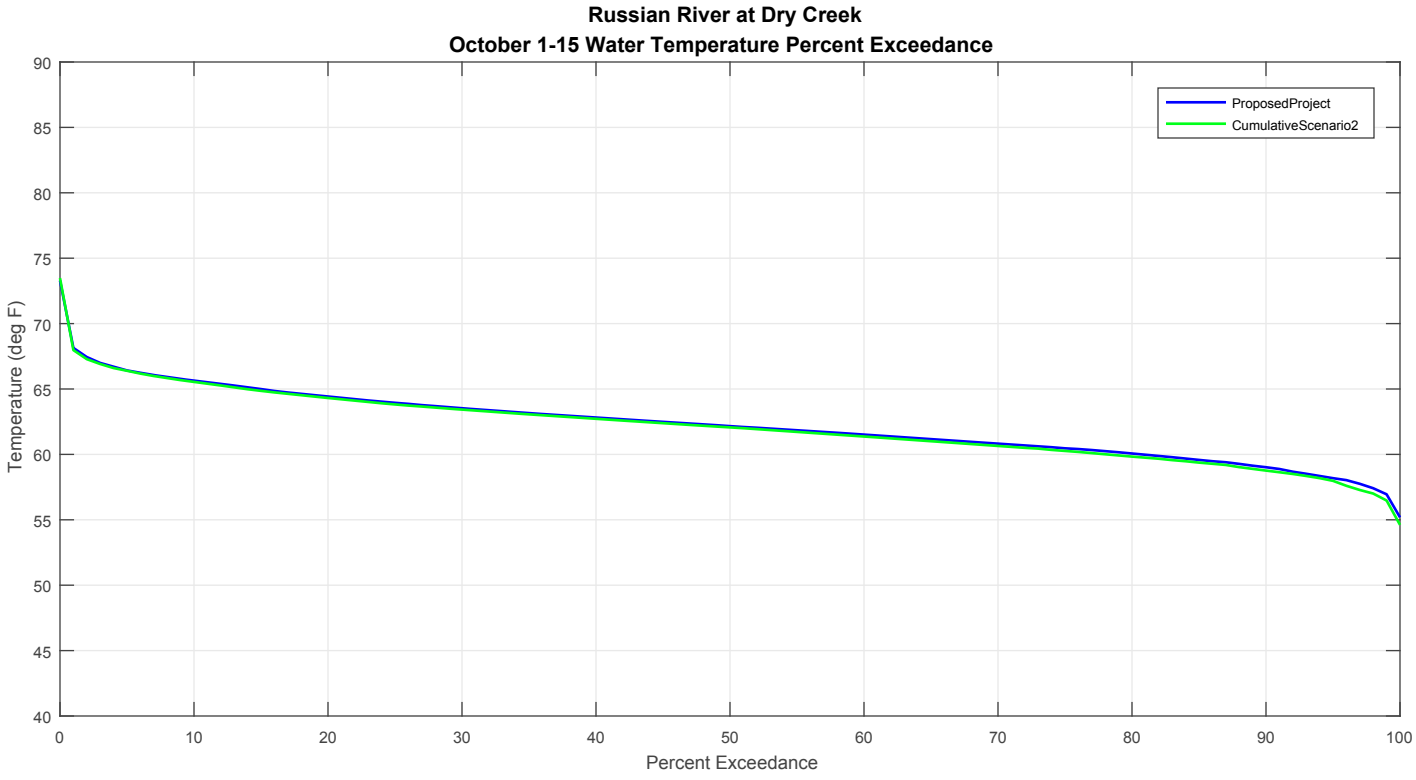
Russian River at Dry Creek
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
90
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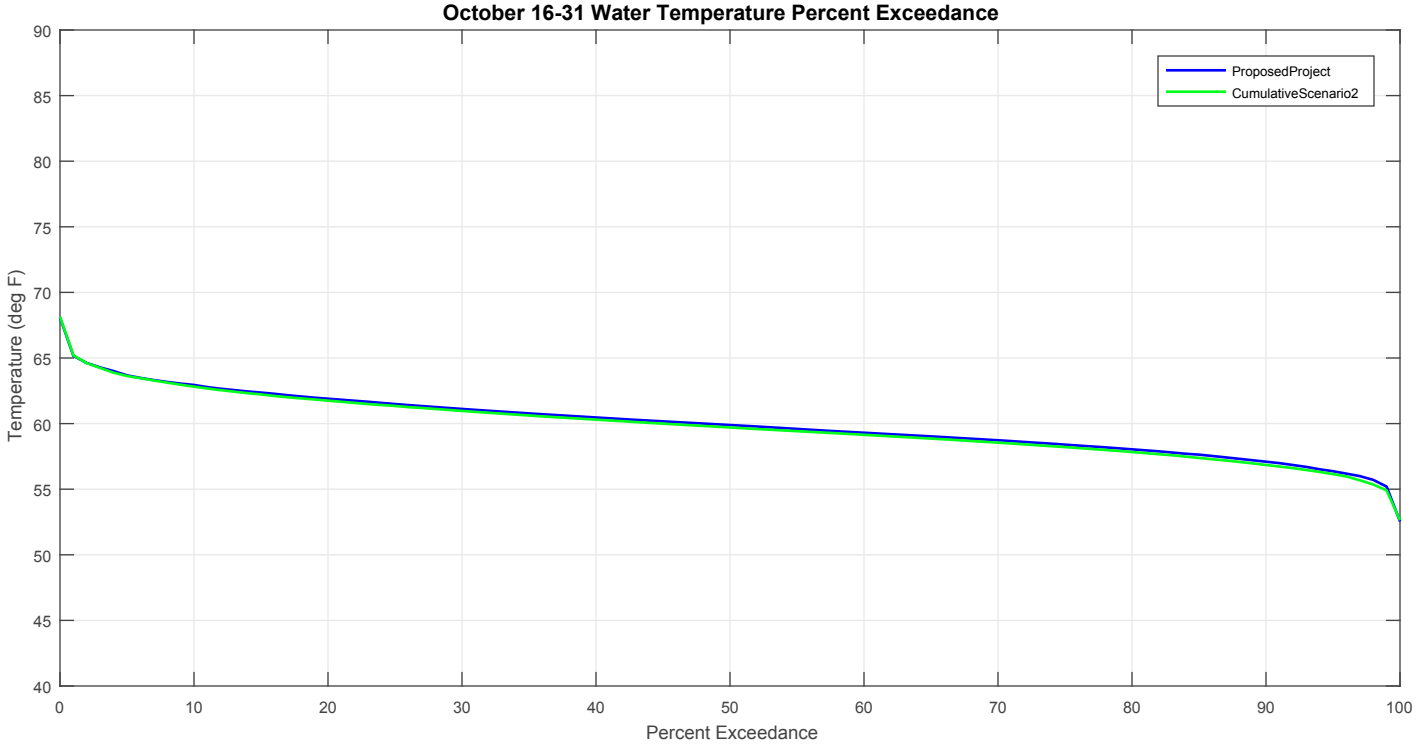
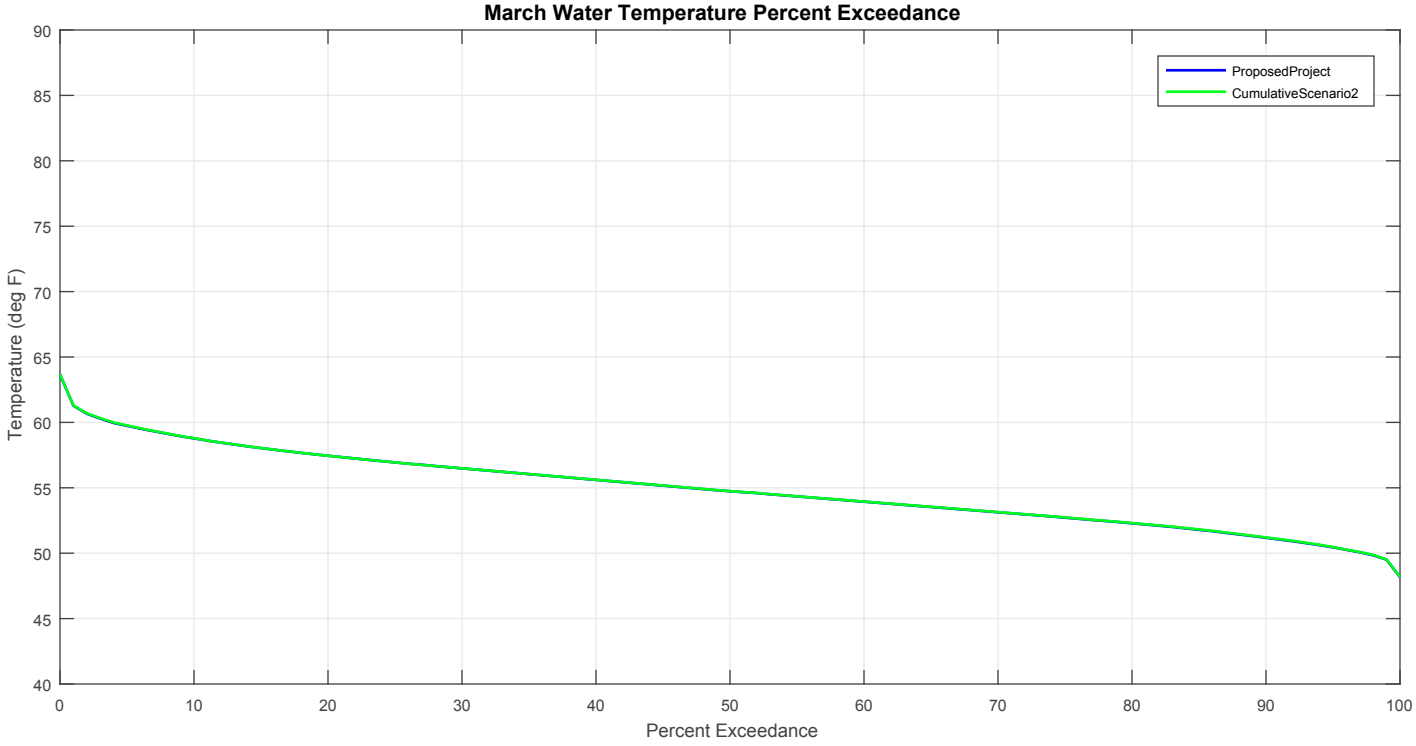
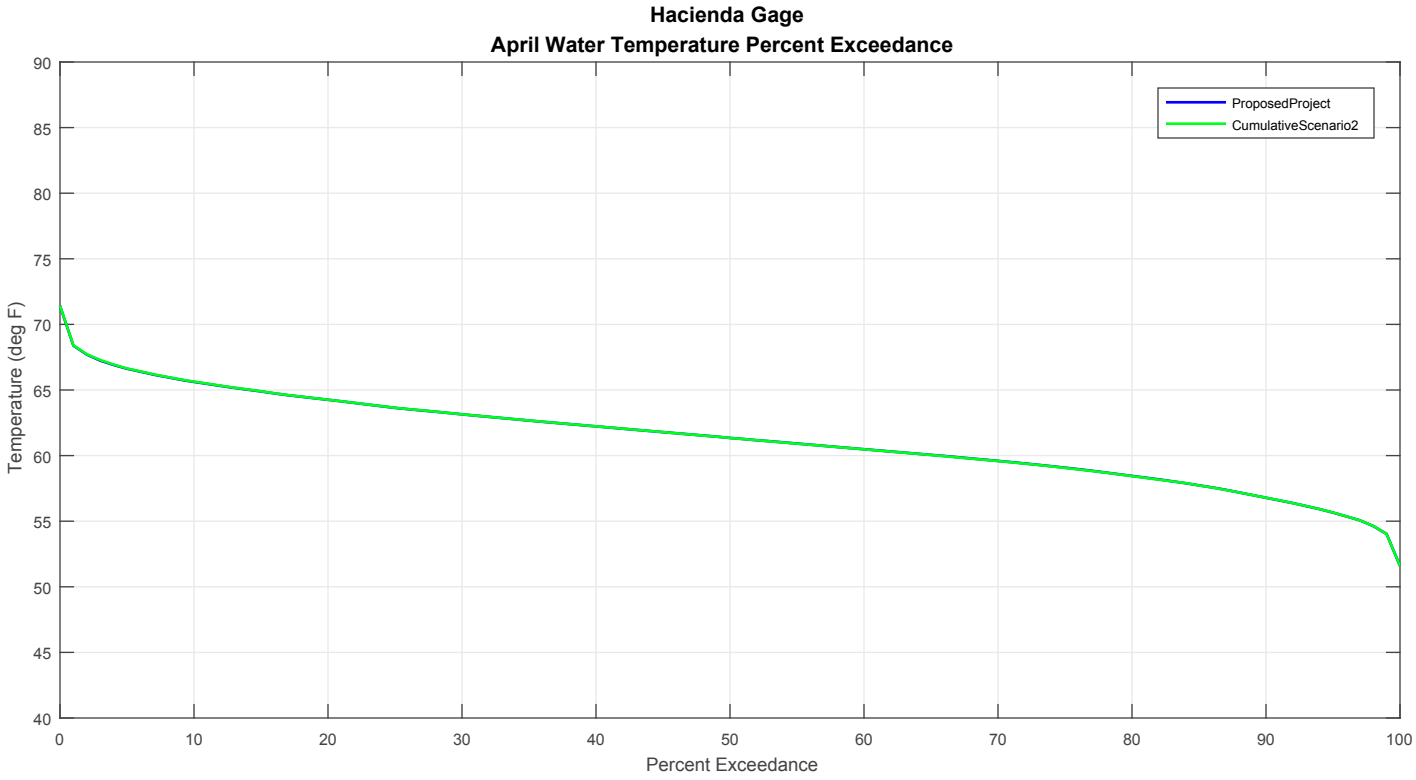
**Russian River at Dry Creek**
**October 16-31 Water Temperature Percent Exceedance**




**Hacienda Gage**
**March Water Temperature Percent Exceedance**




Hacienda Gage
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
90
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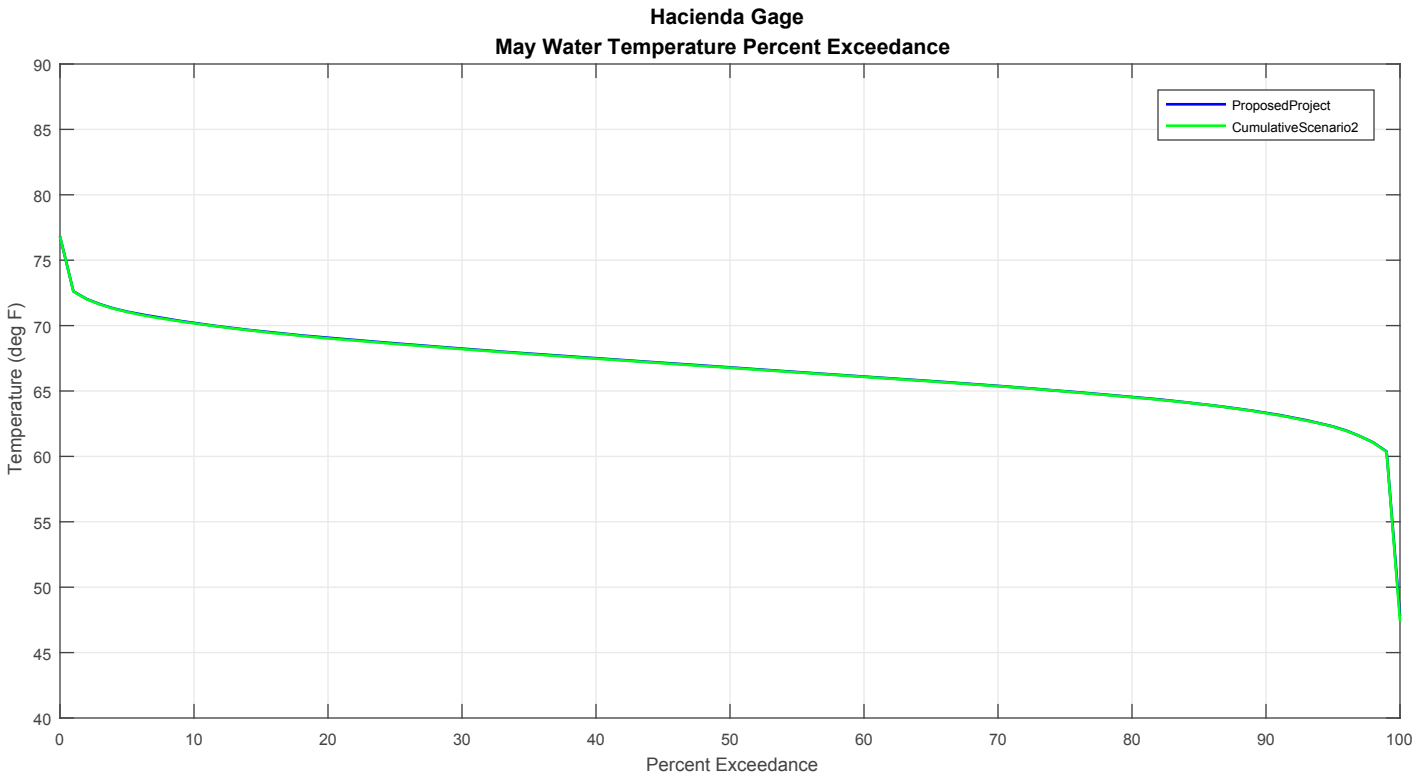
Hacienda Gage
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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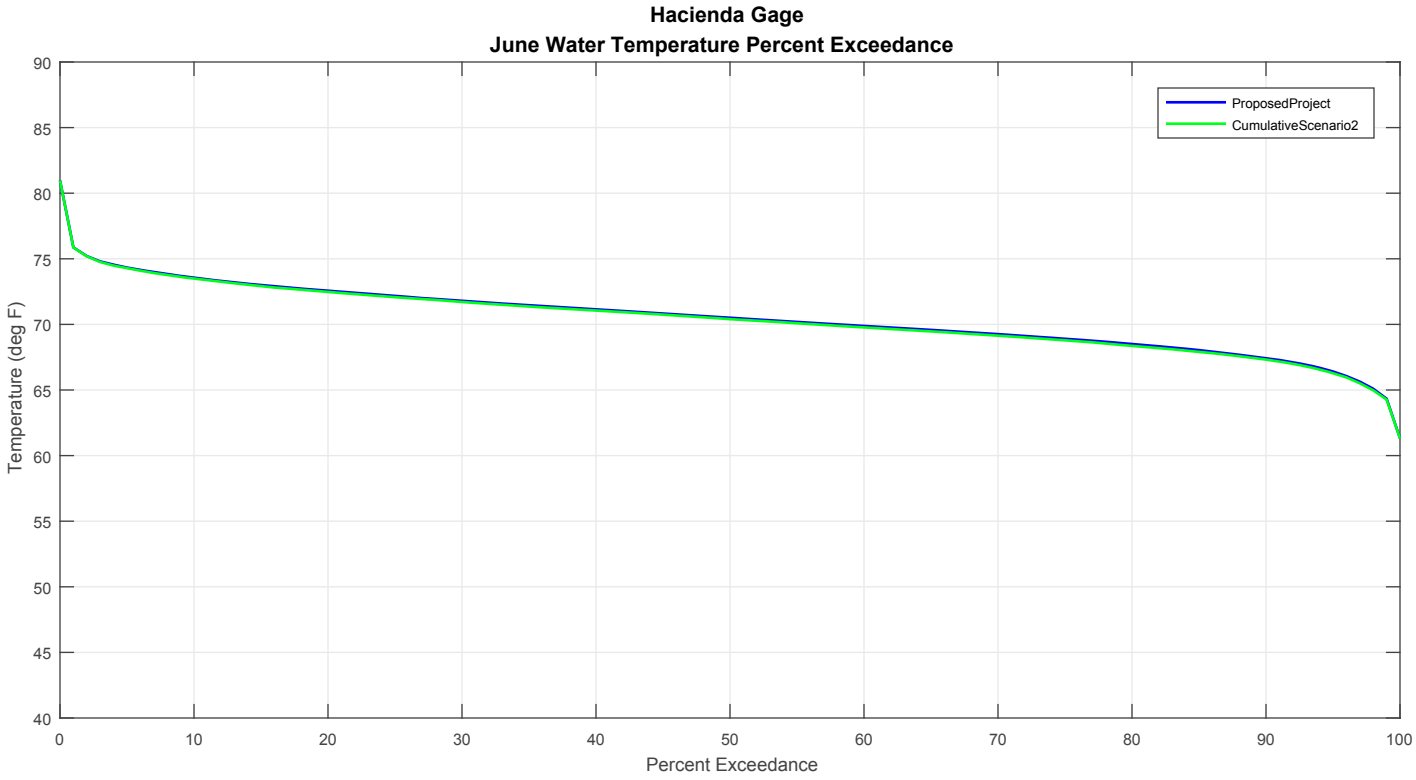
Hacienda Gage
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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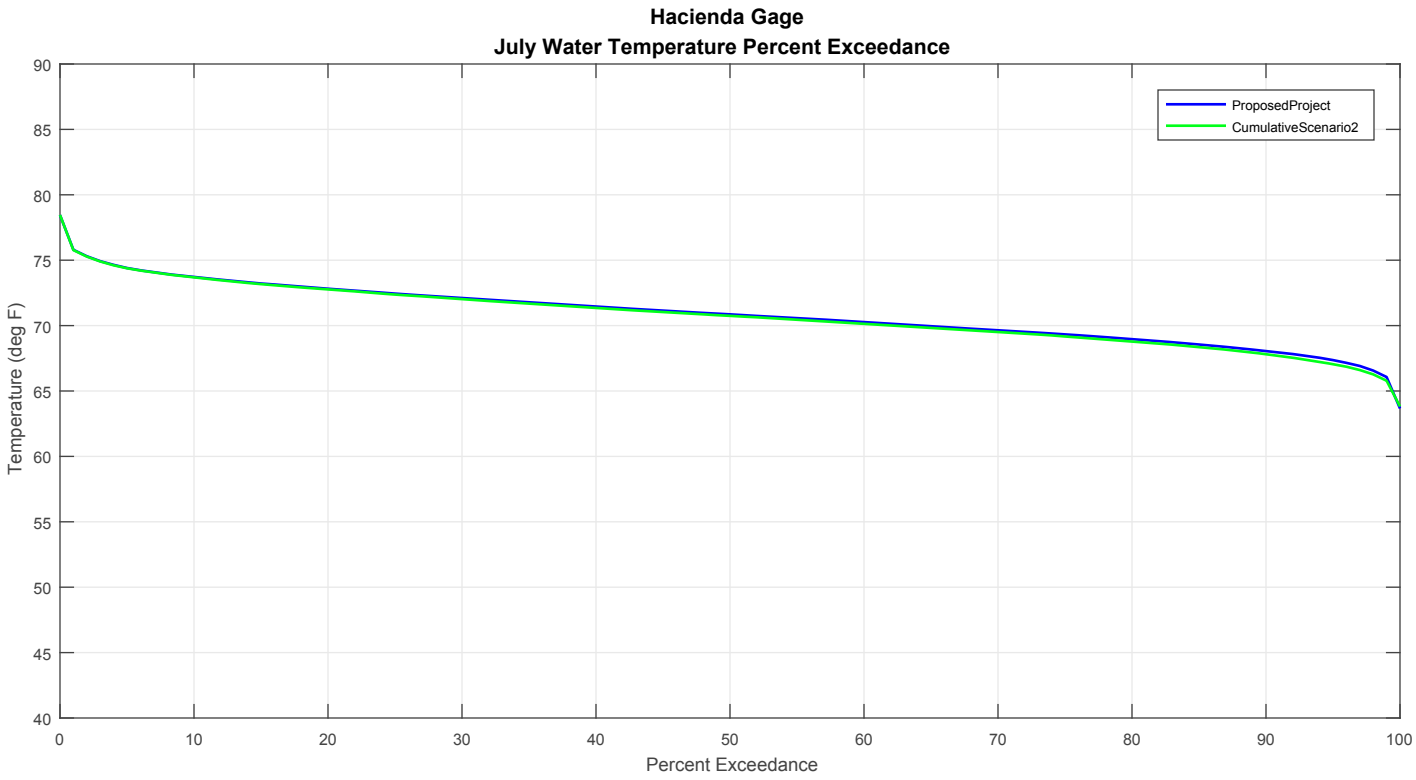
Hacienda Gage
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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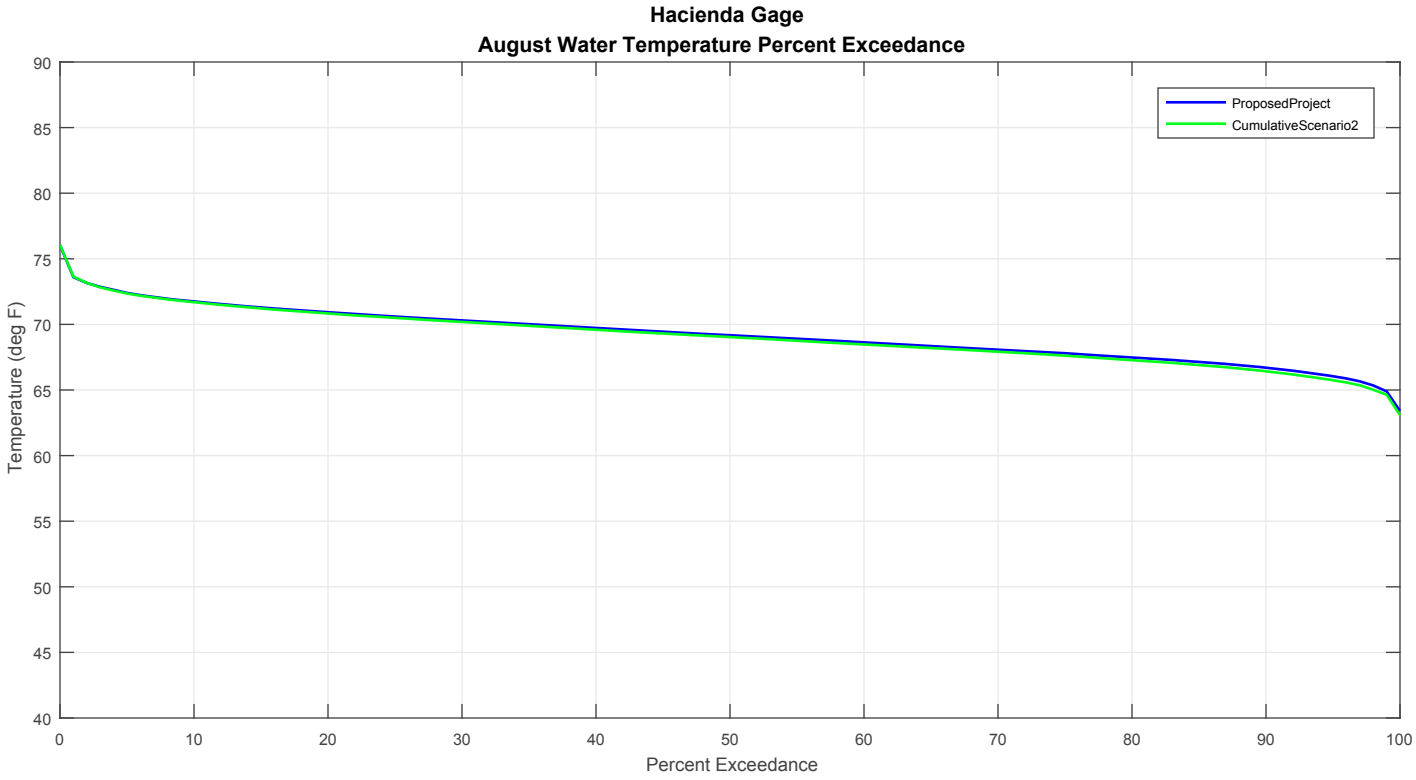
Hacienda Gage
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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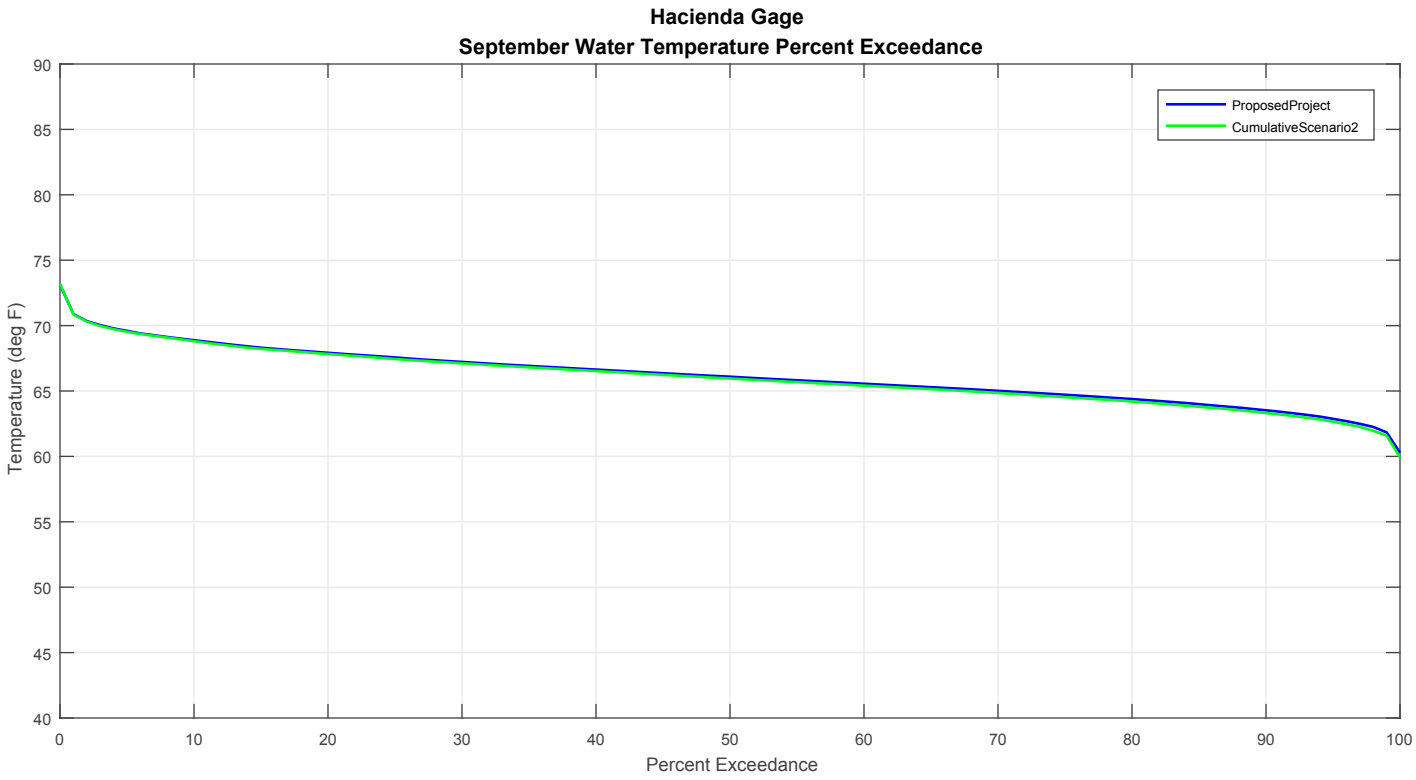
Hacienda Gage
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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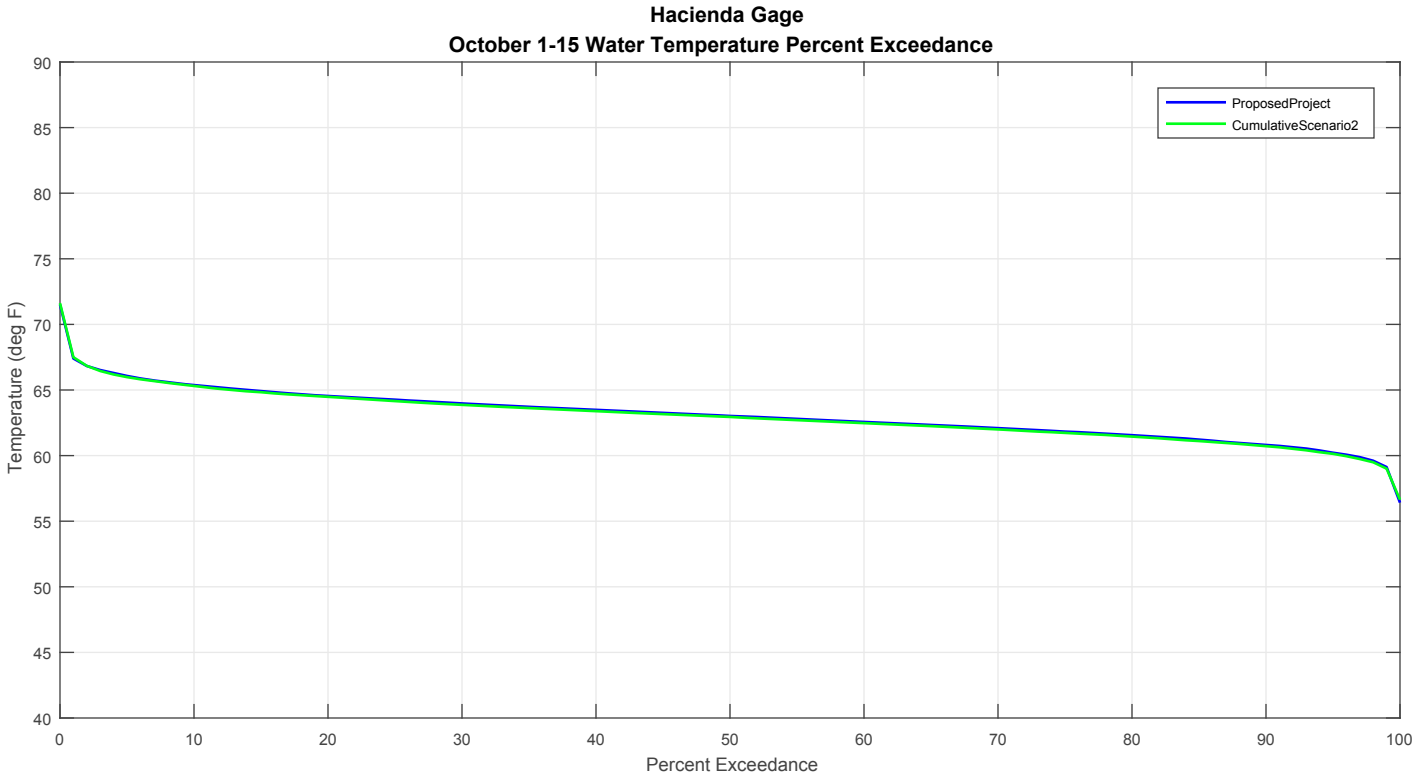
Hacienda Gage
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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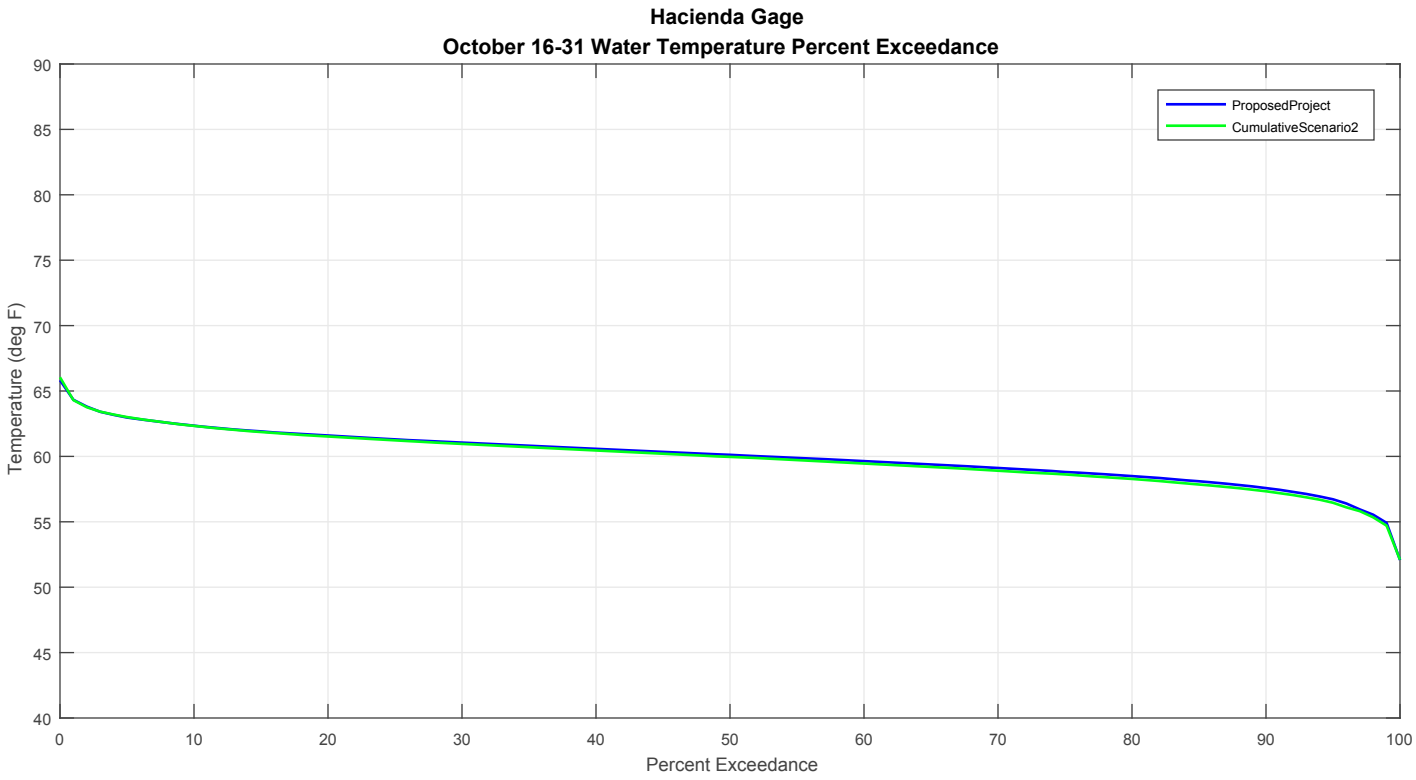
Hacienda Gage
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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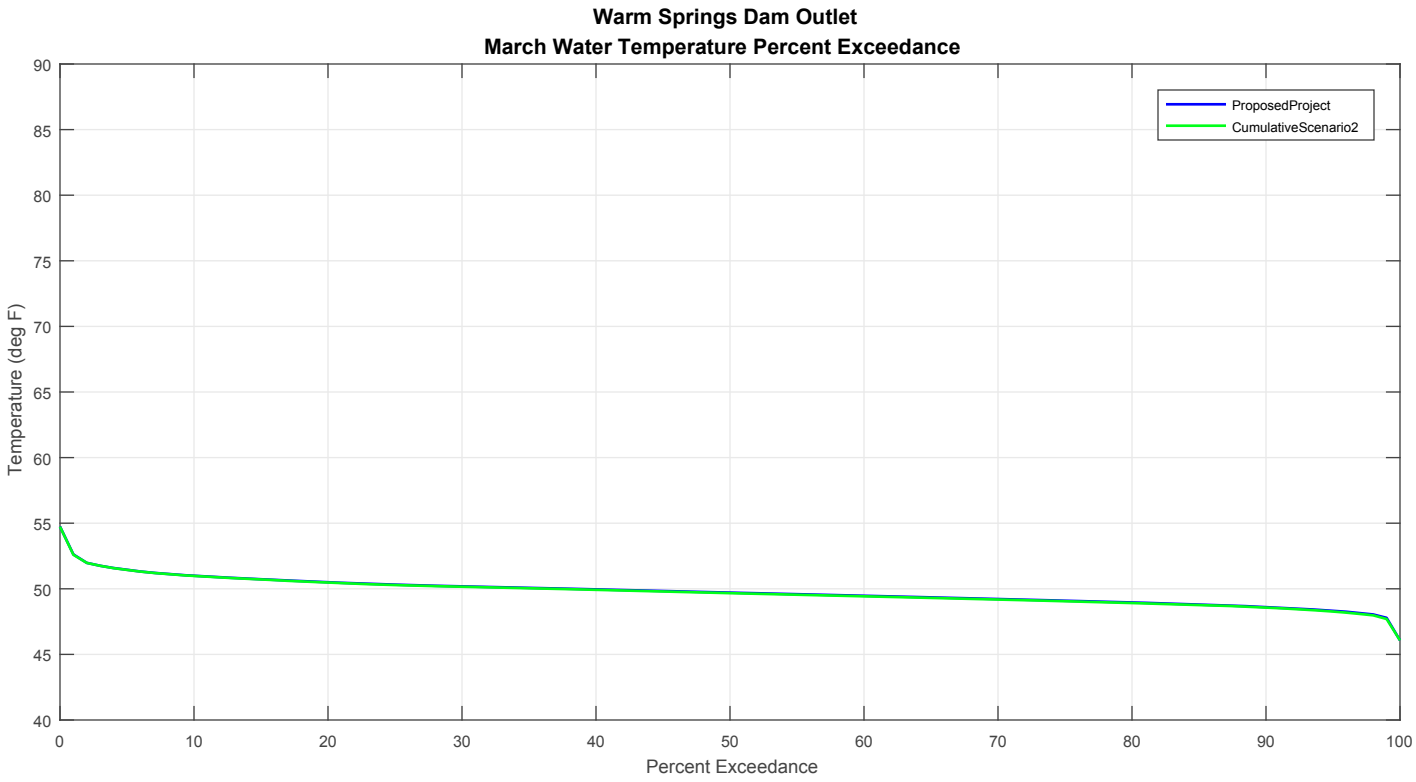
Warm Springs Dam Outlet
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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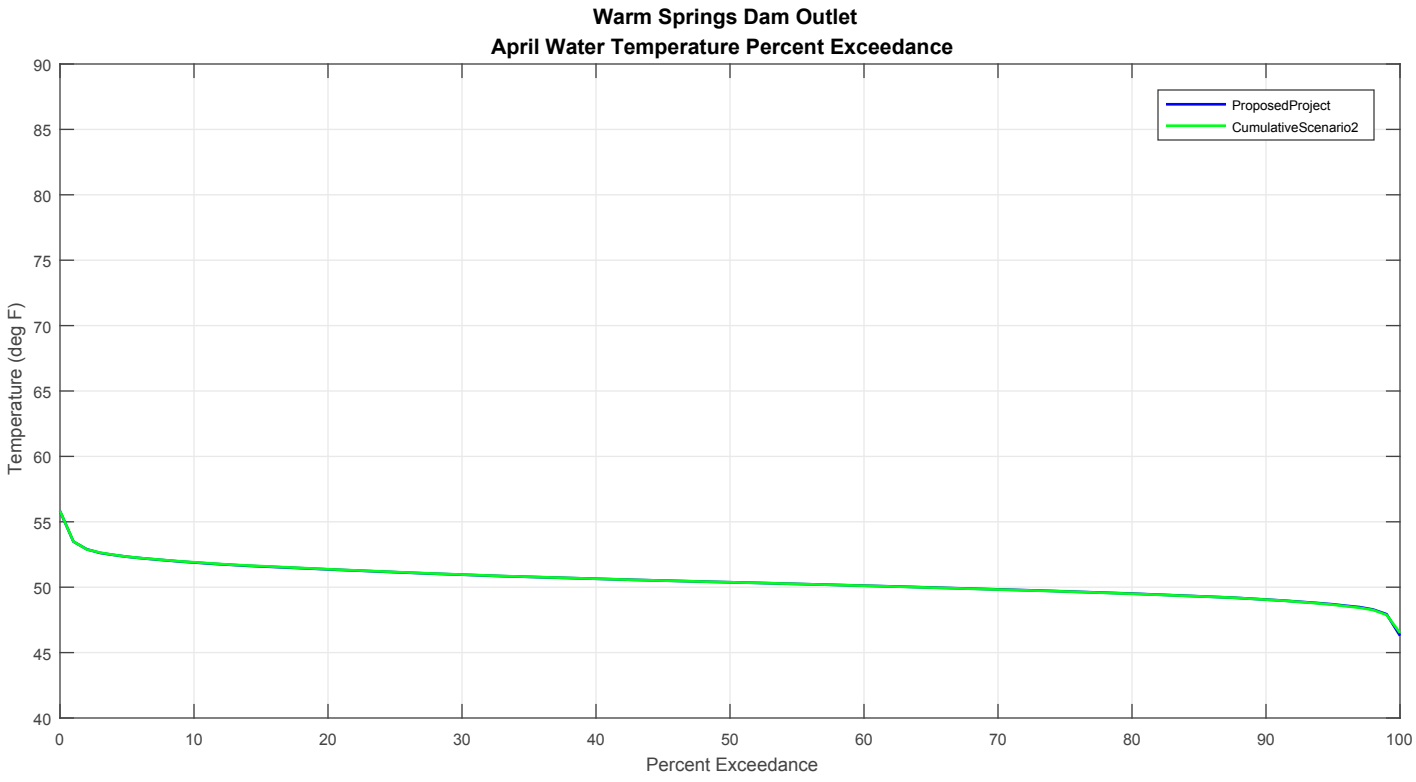
Warm Springs Dam Outlet
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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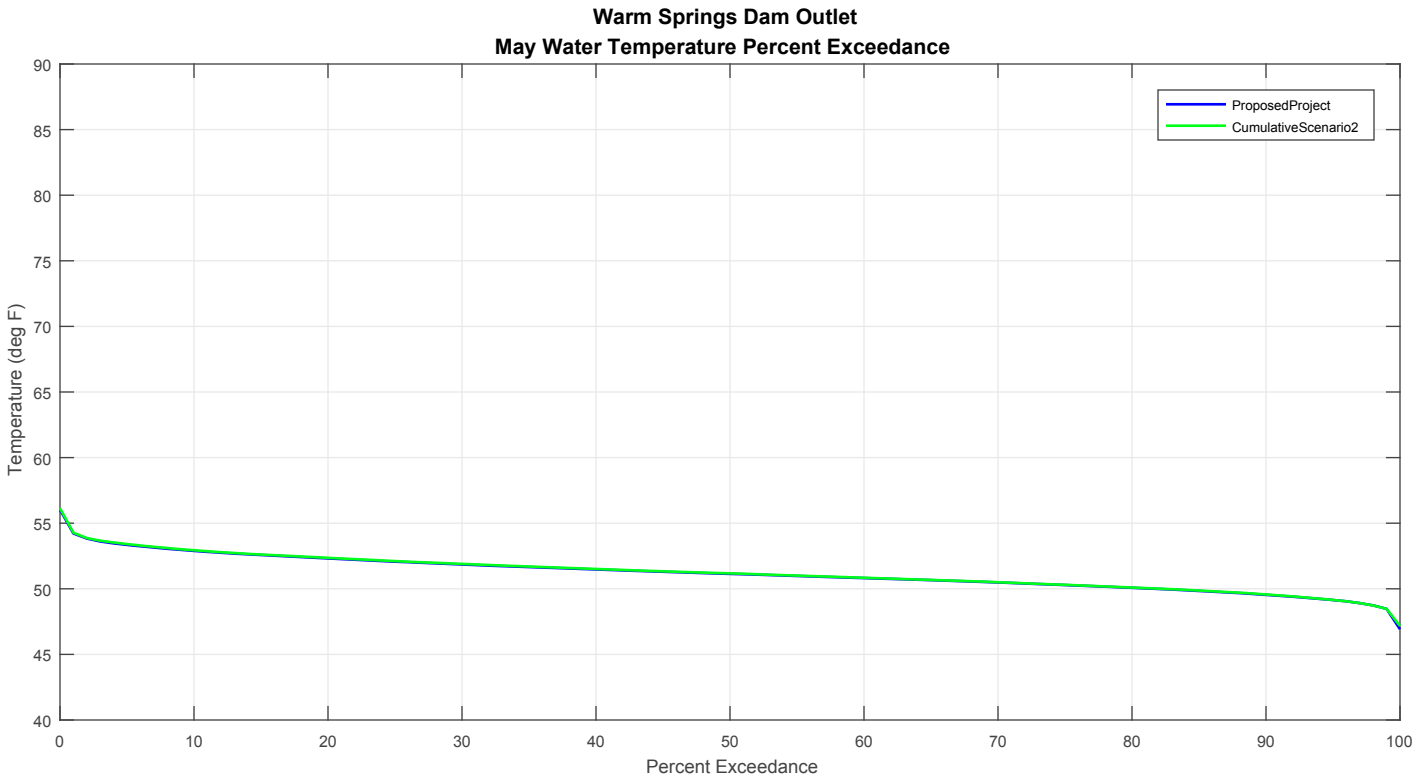
Warm Springs Dam Outlet
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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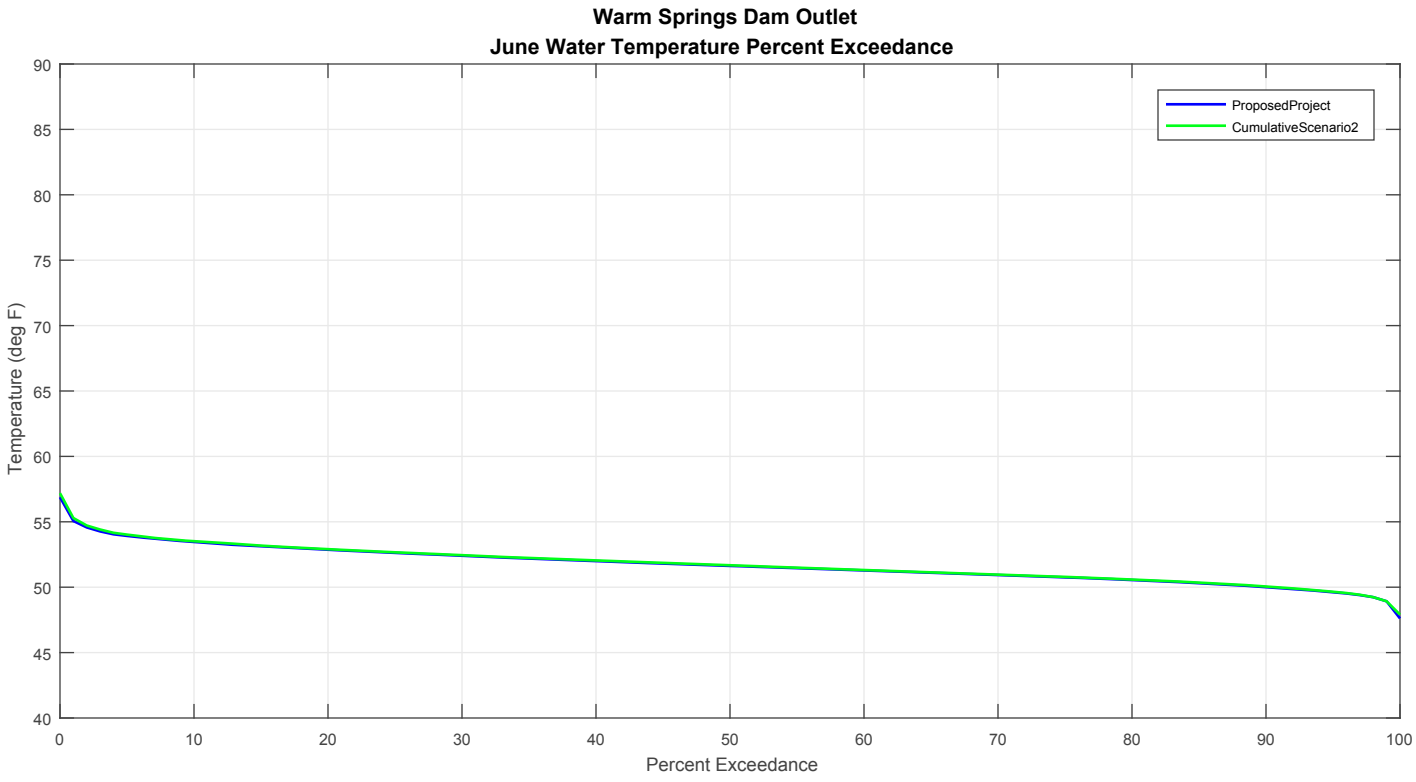
Warm Springs Dam Outlet
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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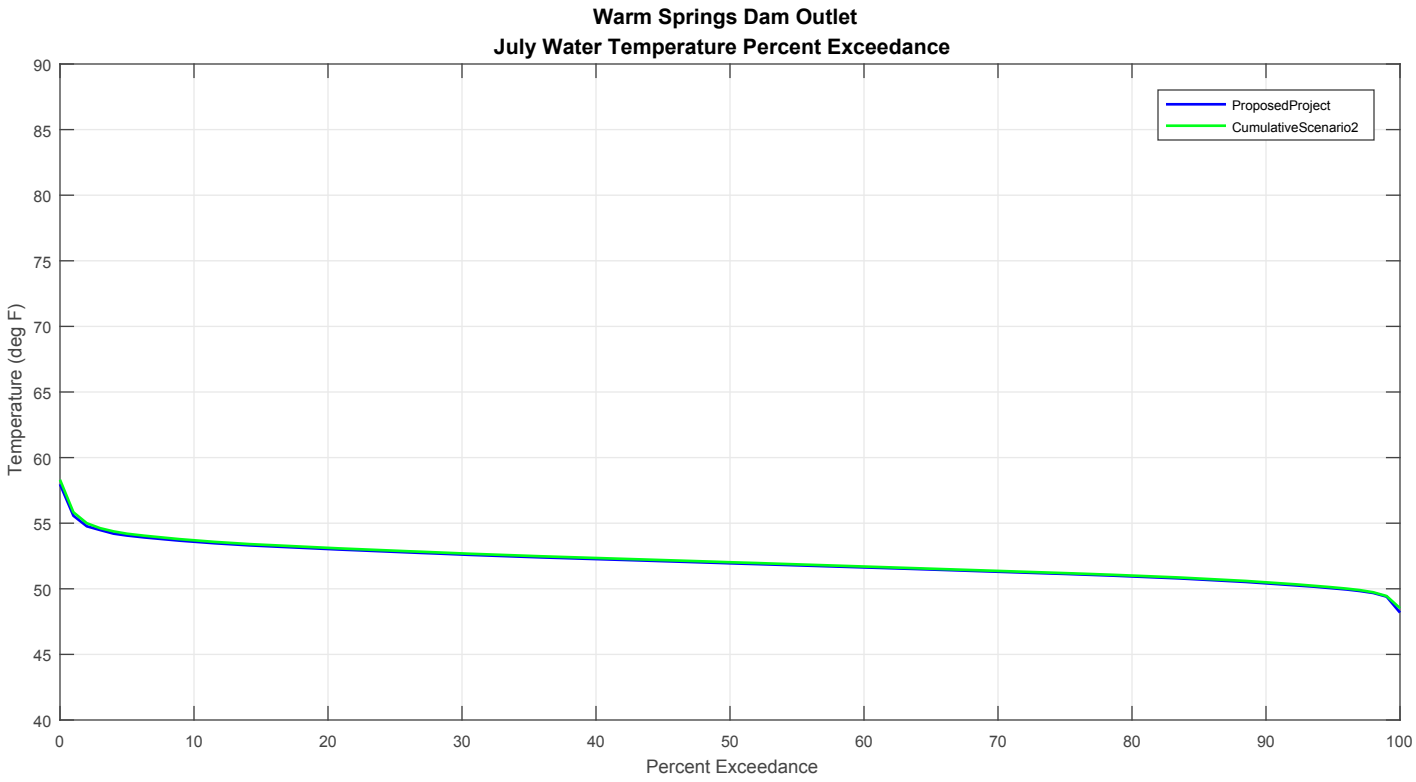
Warm Springs Dam Outlet
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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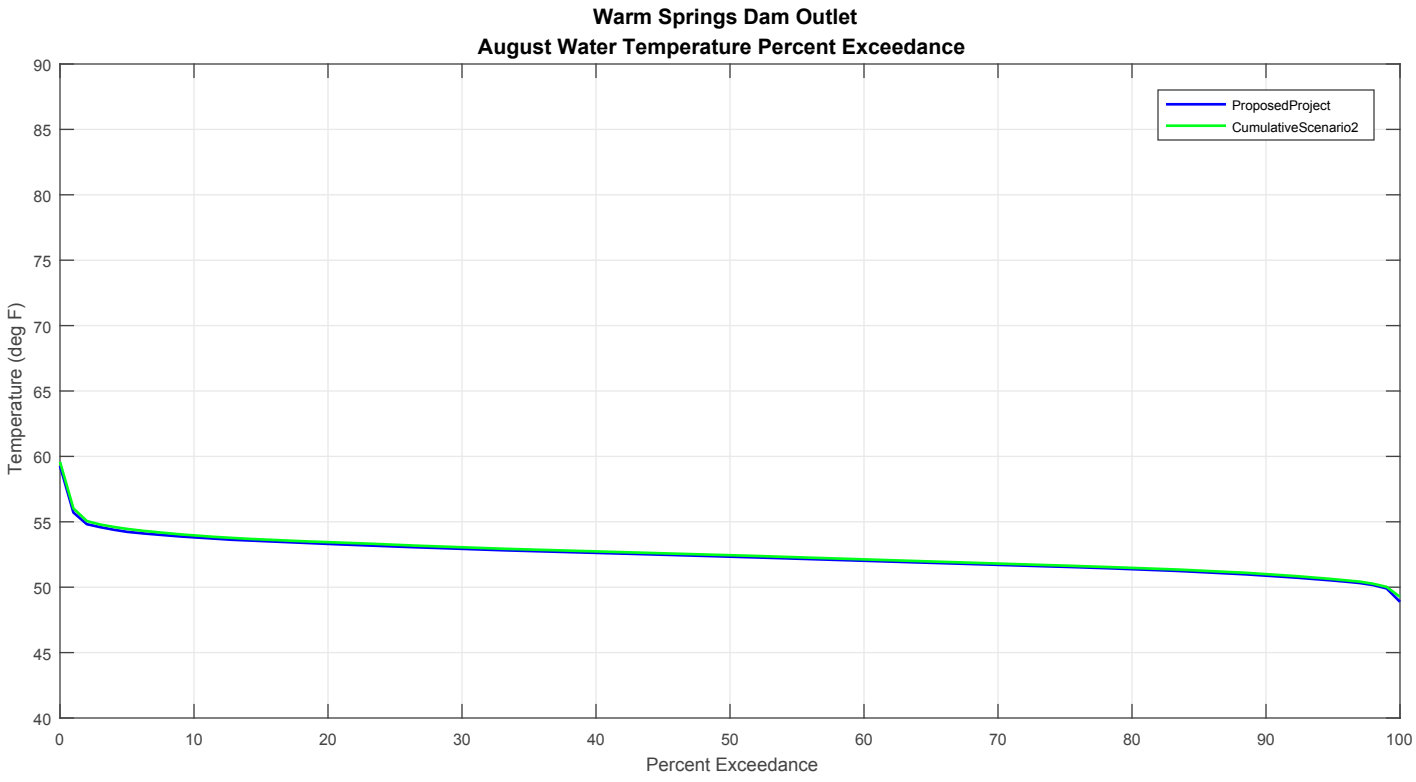
Warm Springs Dam Outlet
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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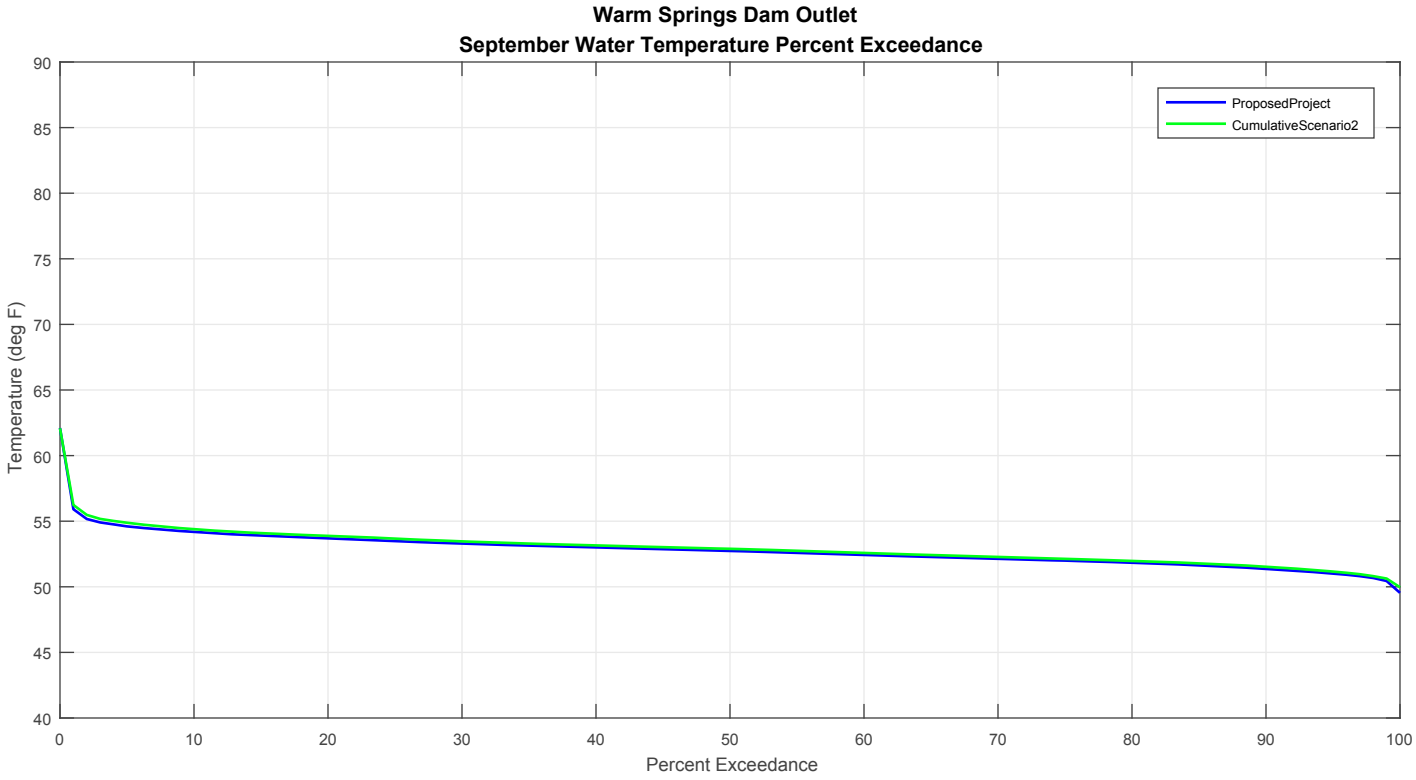
Warm Springs Dam Outlet
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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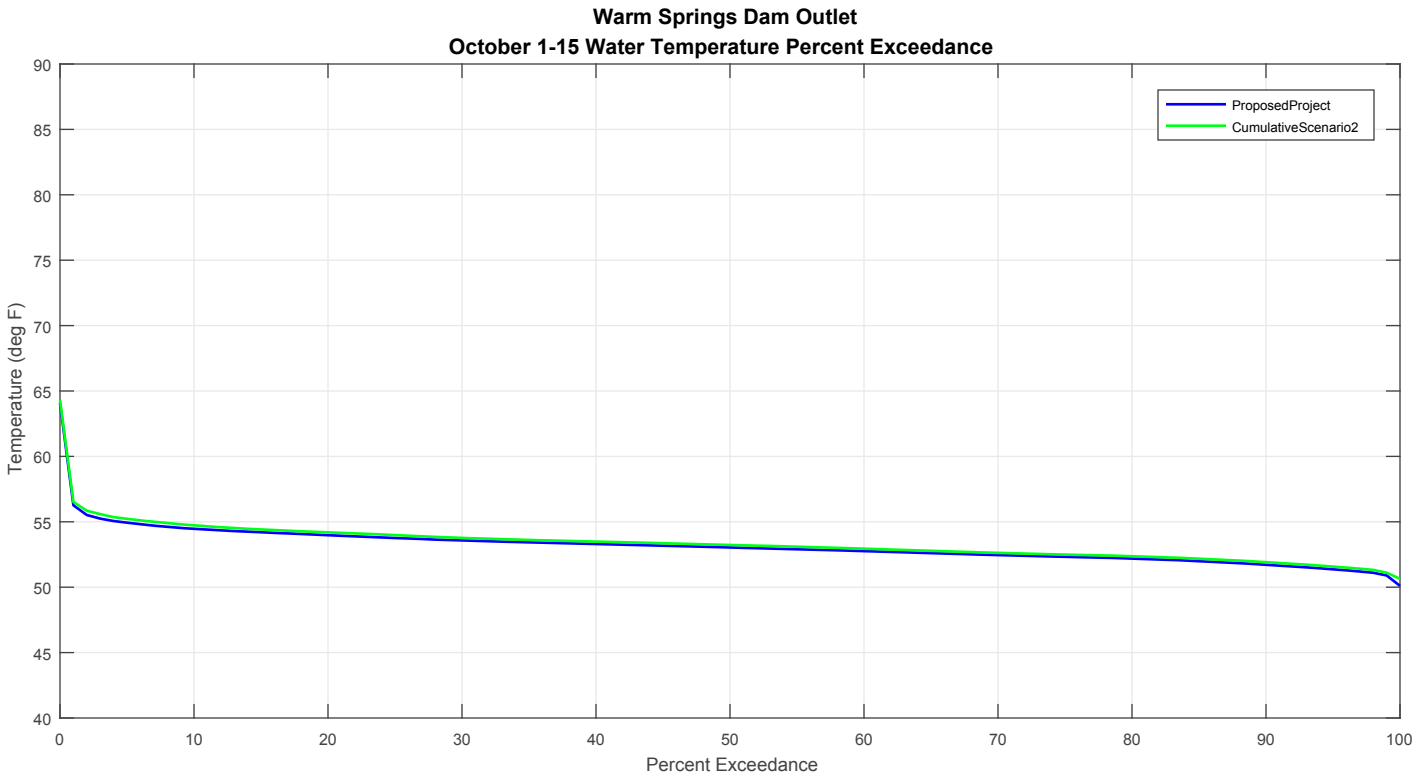
Warm Springs Dam Outlet
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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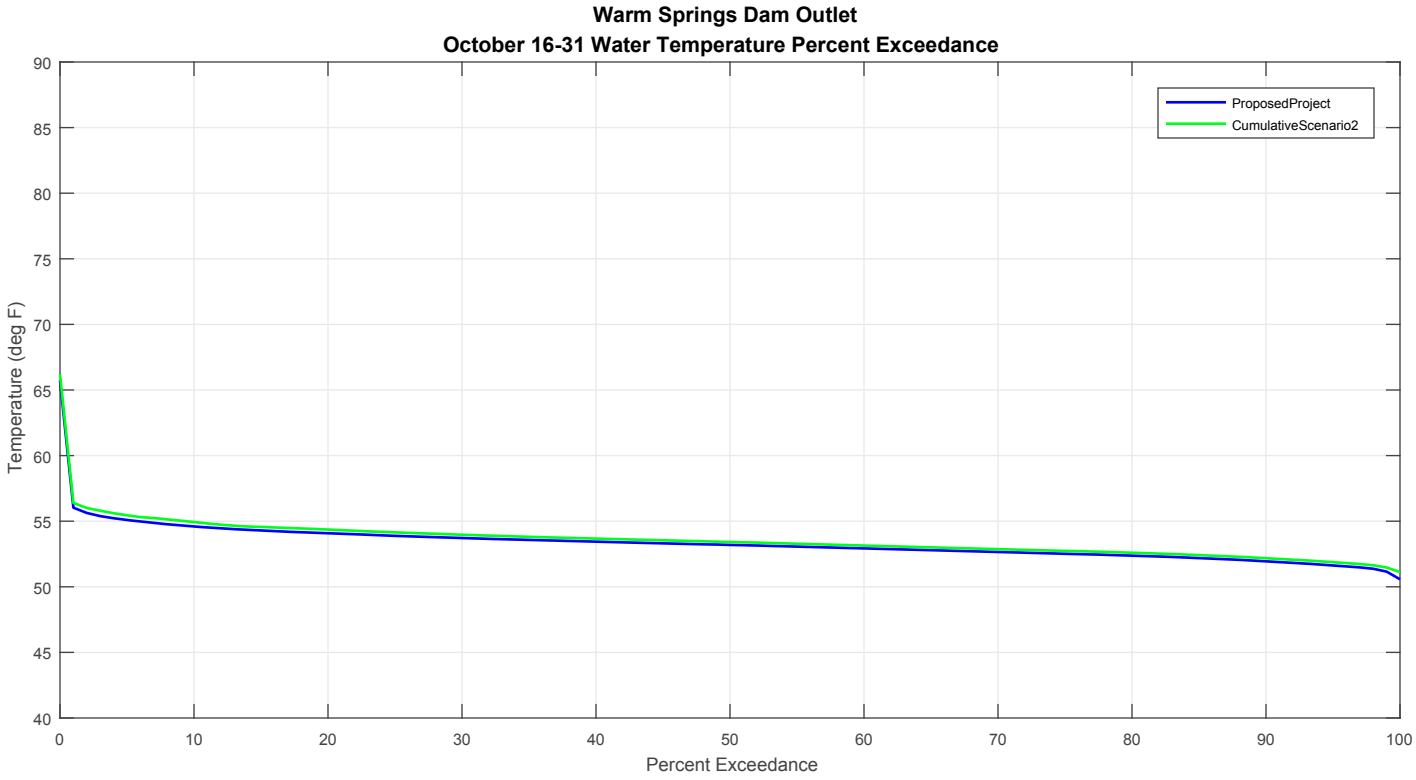
Warm Springs Dam Outlet
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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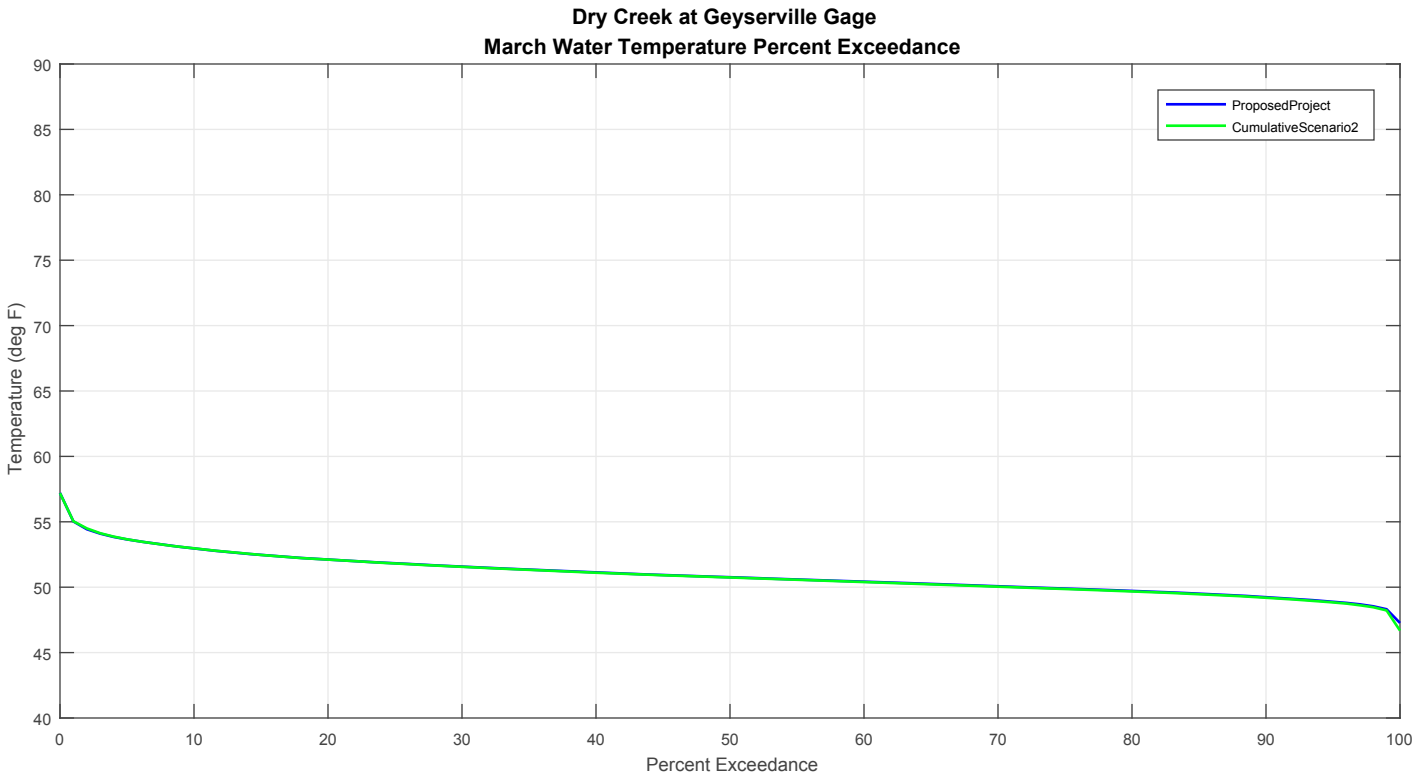
Dry Creek at Geyserville Gage
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
90
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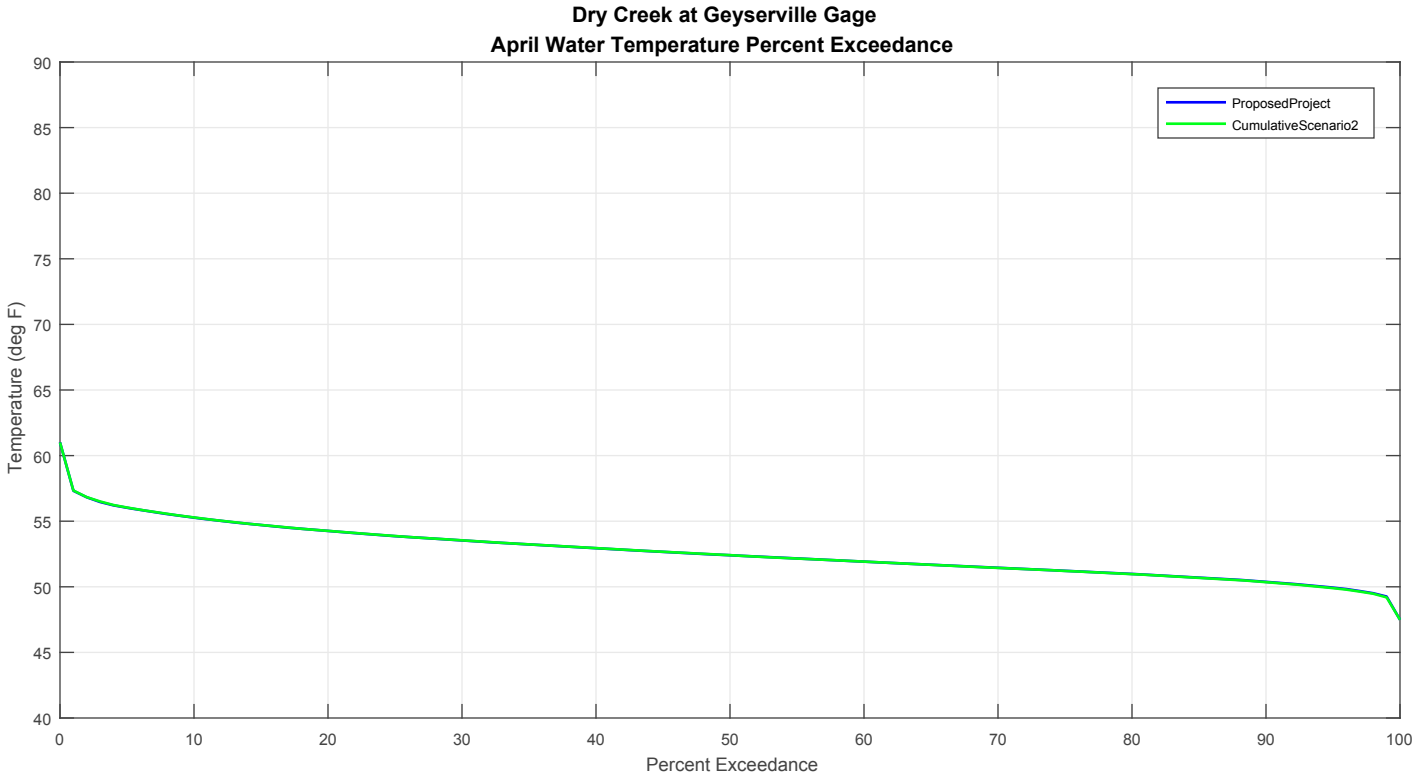
Dry Creek at Geyserville Gage
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
90
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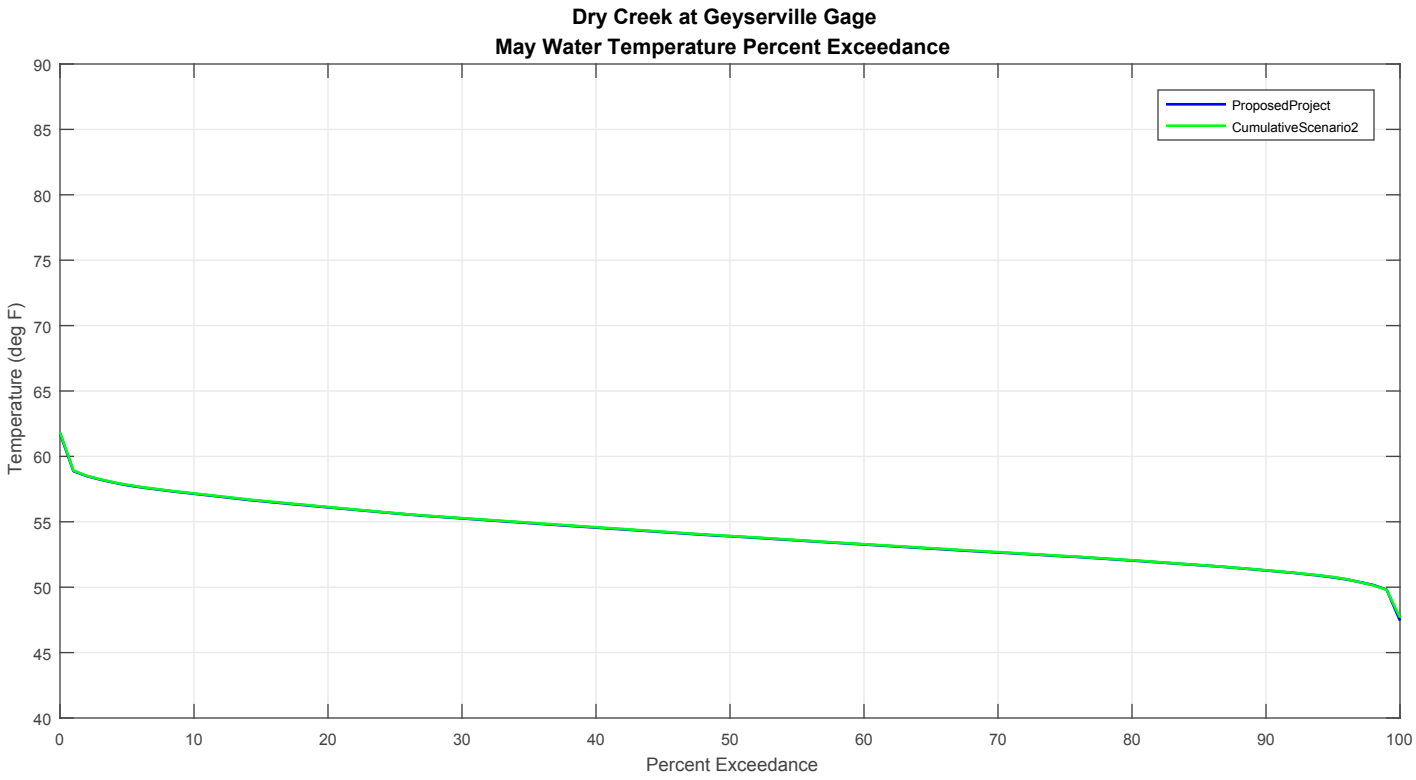
Dry Creek at Geyserville Gage
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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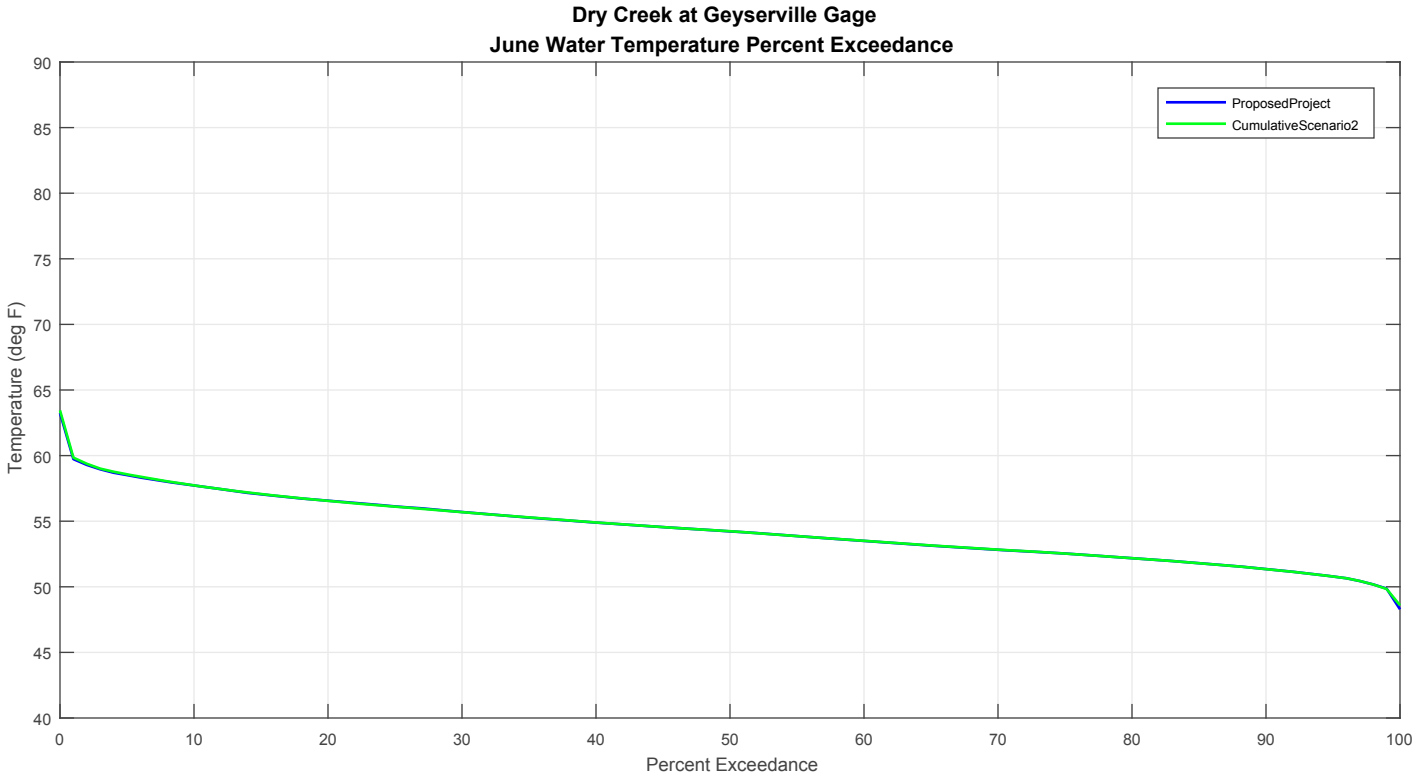
Dry Creek at Geyserville Gage
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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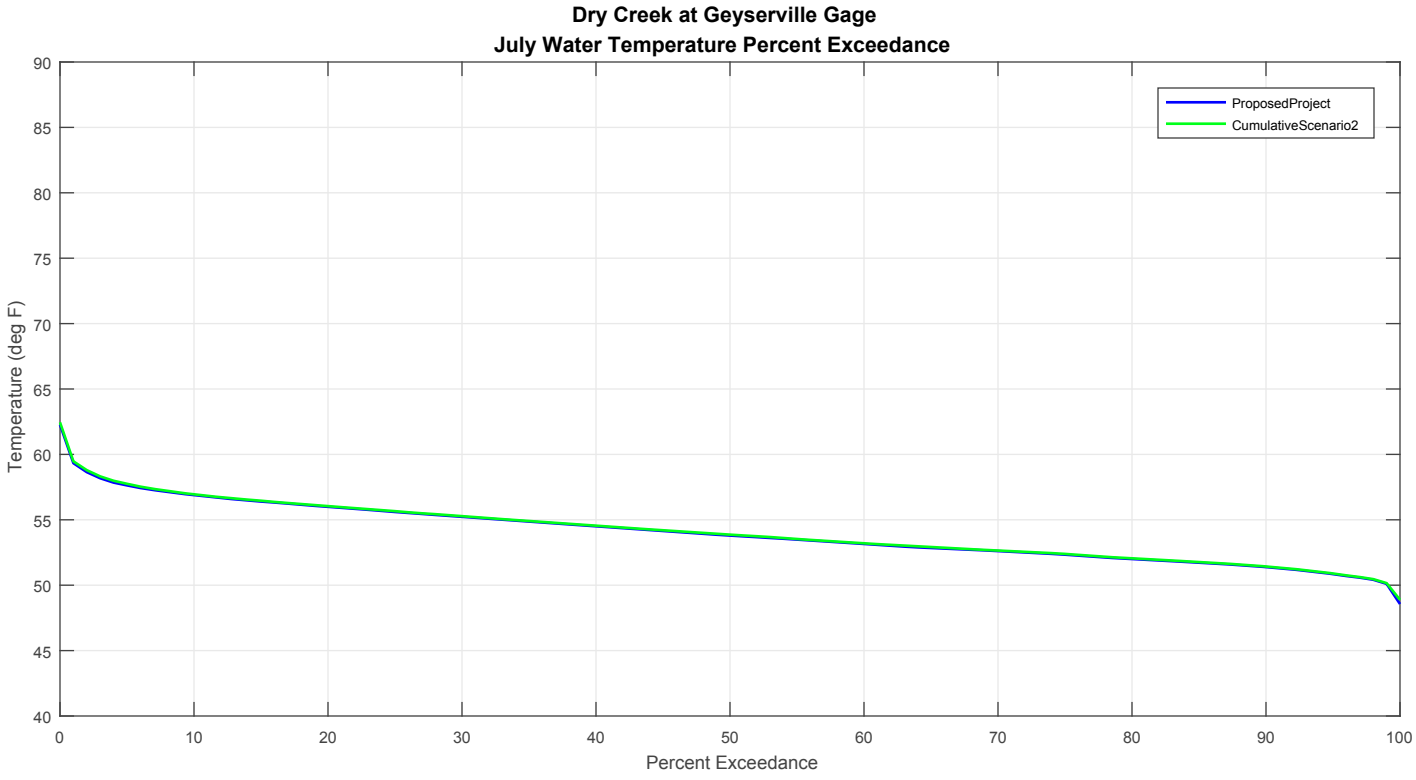
Dry Creek at Geyserville Gage
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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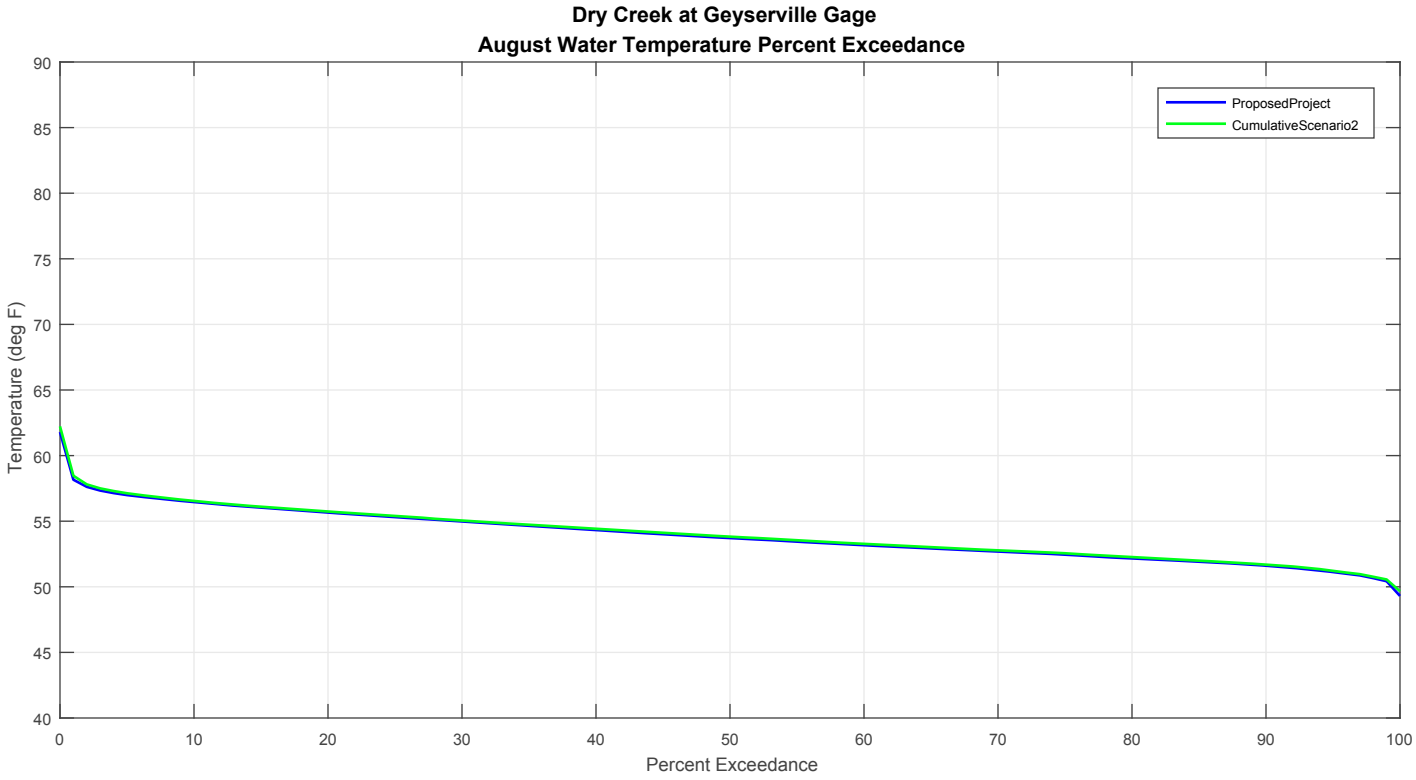
Dry Creek at Geyserville Gage
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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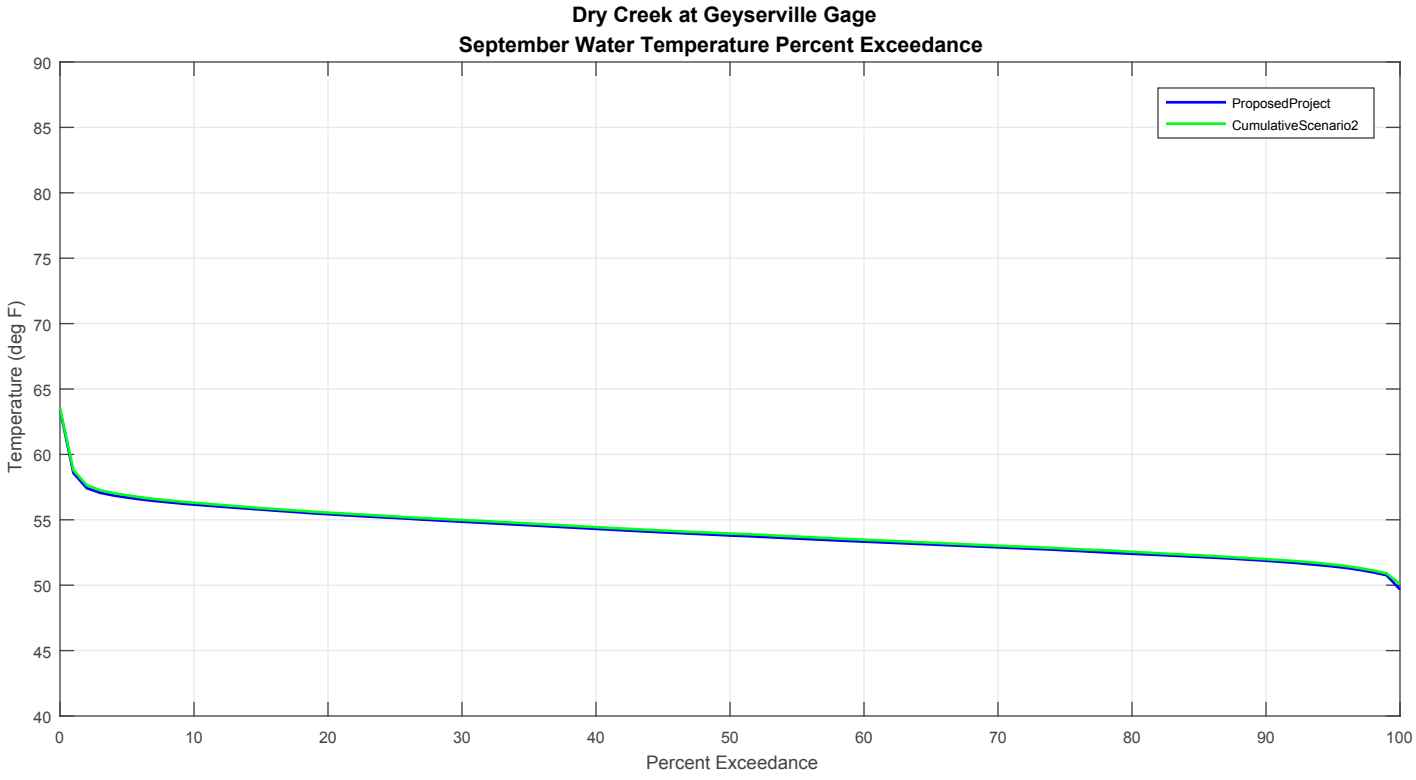
Dry Creek at Geyserville Gage
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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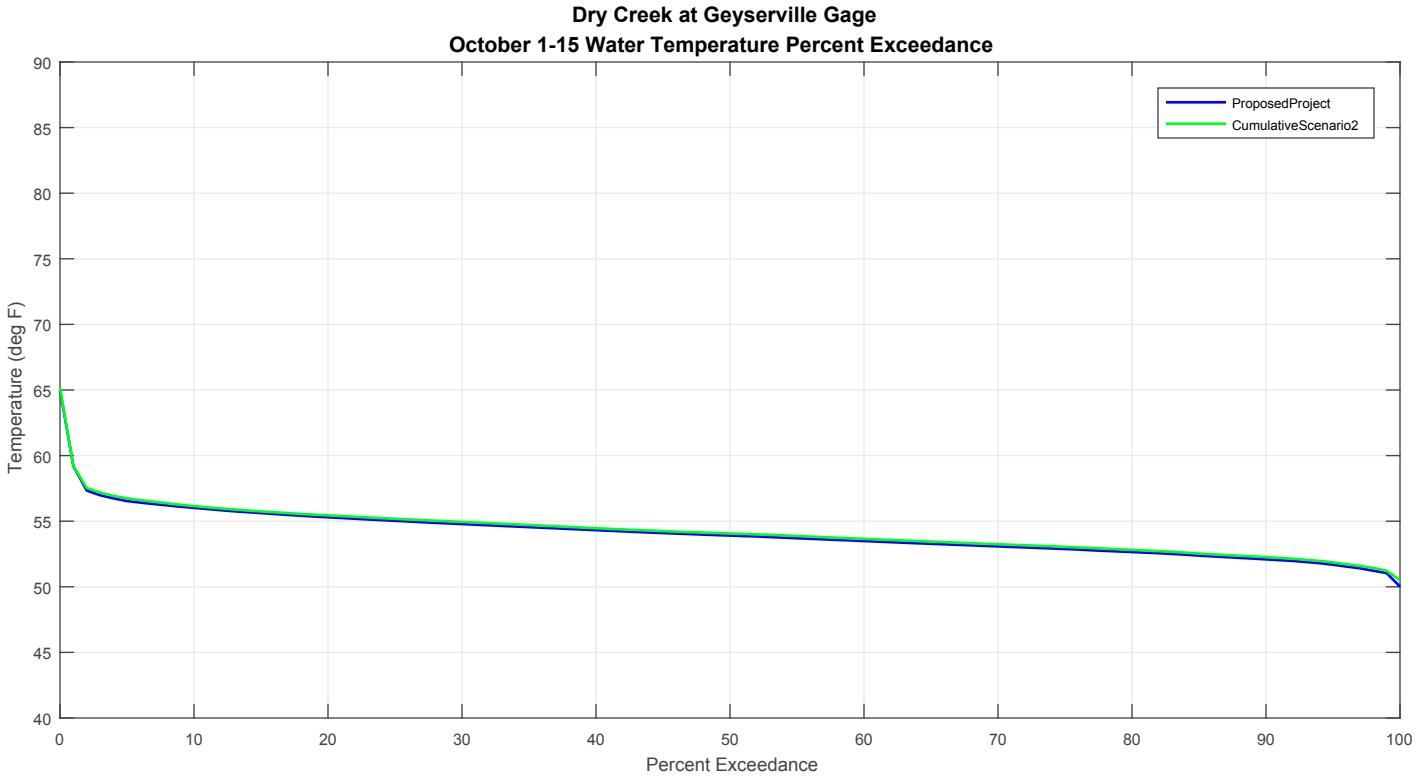
Dry Creek at Geyserville Gage
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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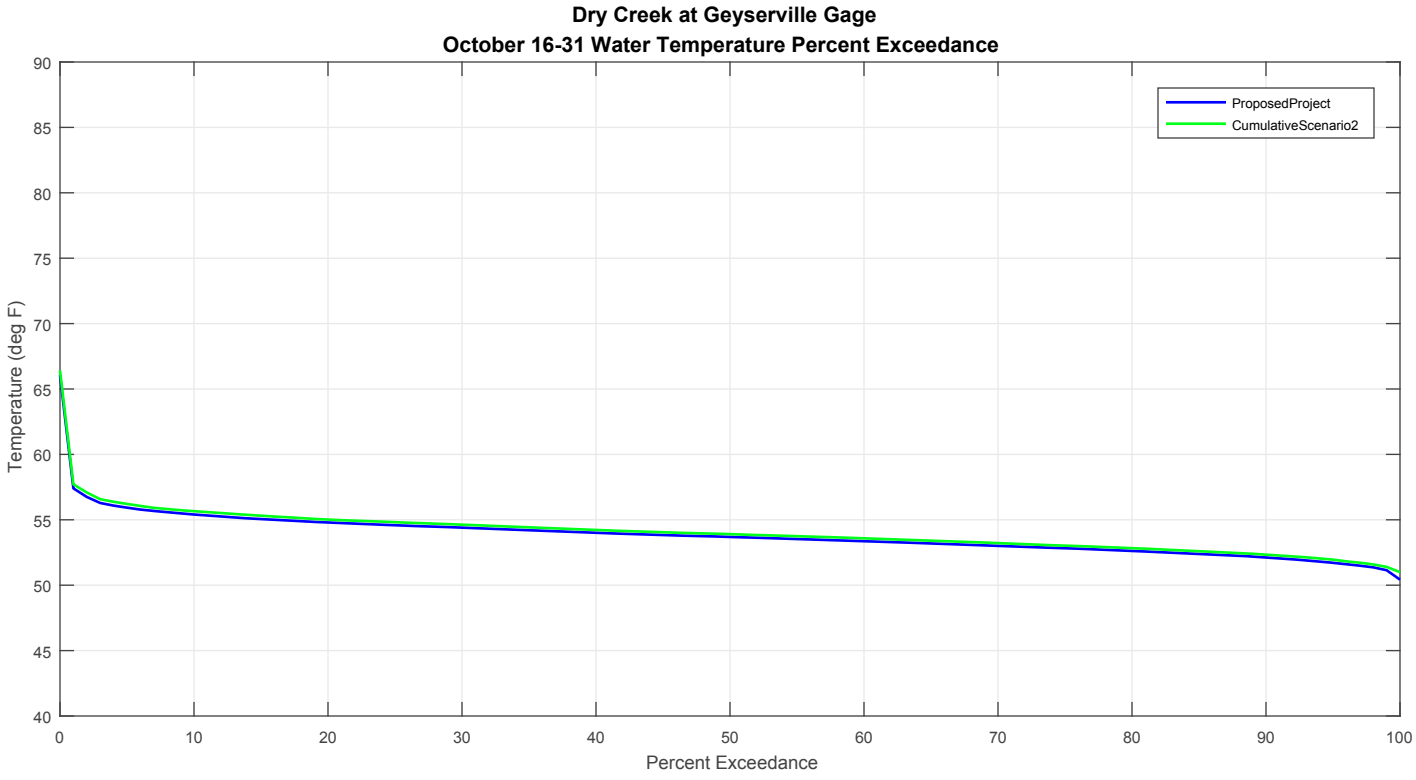
Dry Creek at Geyserville Gage
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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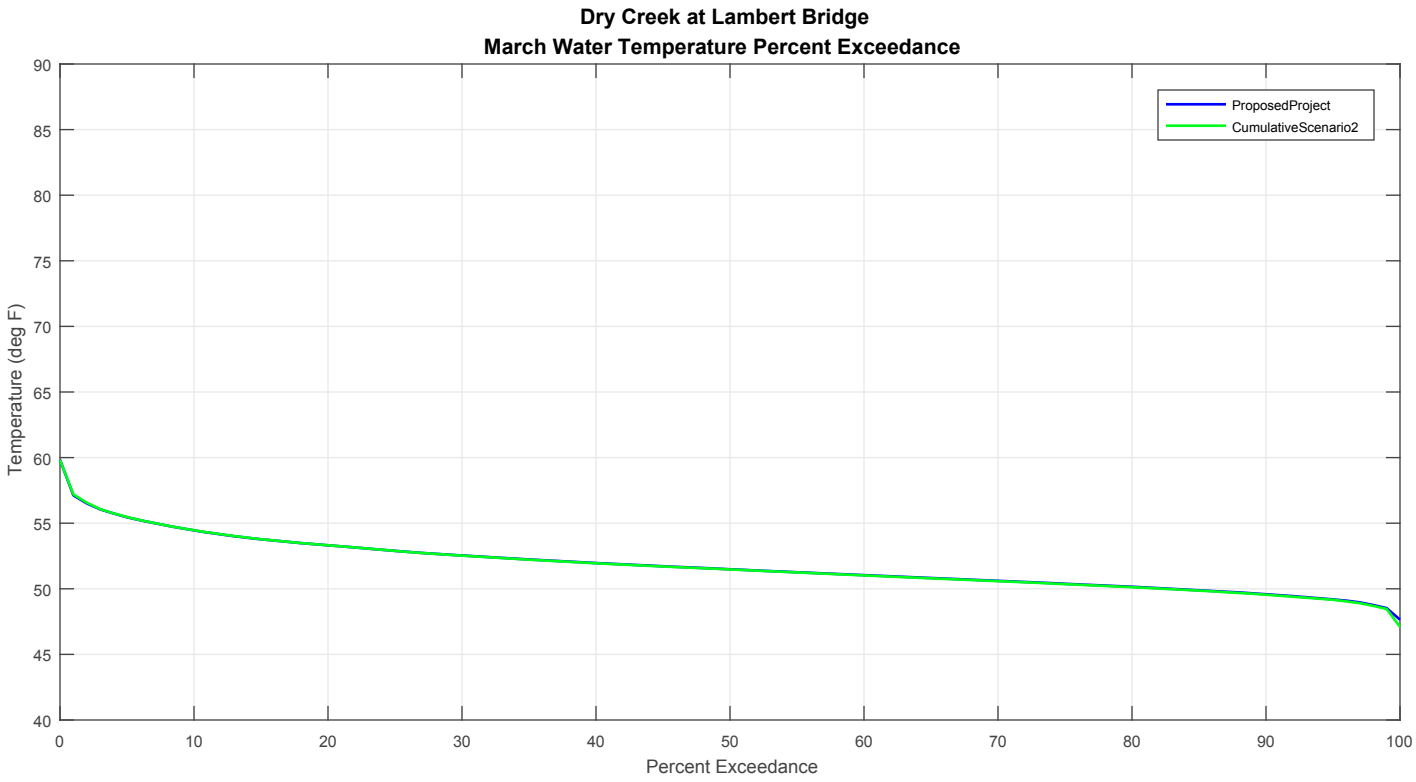
Dry Creek at Lambert Bridge
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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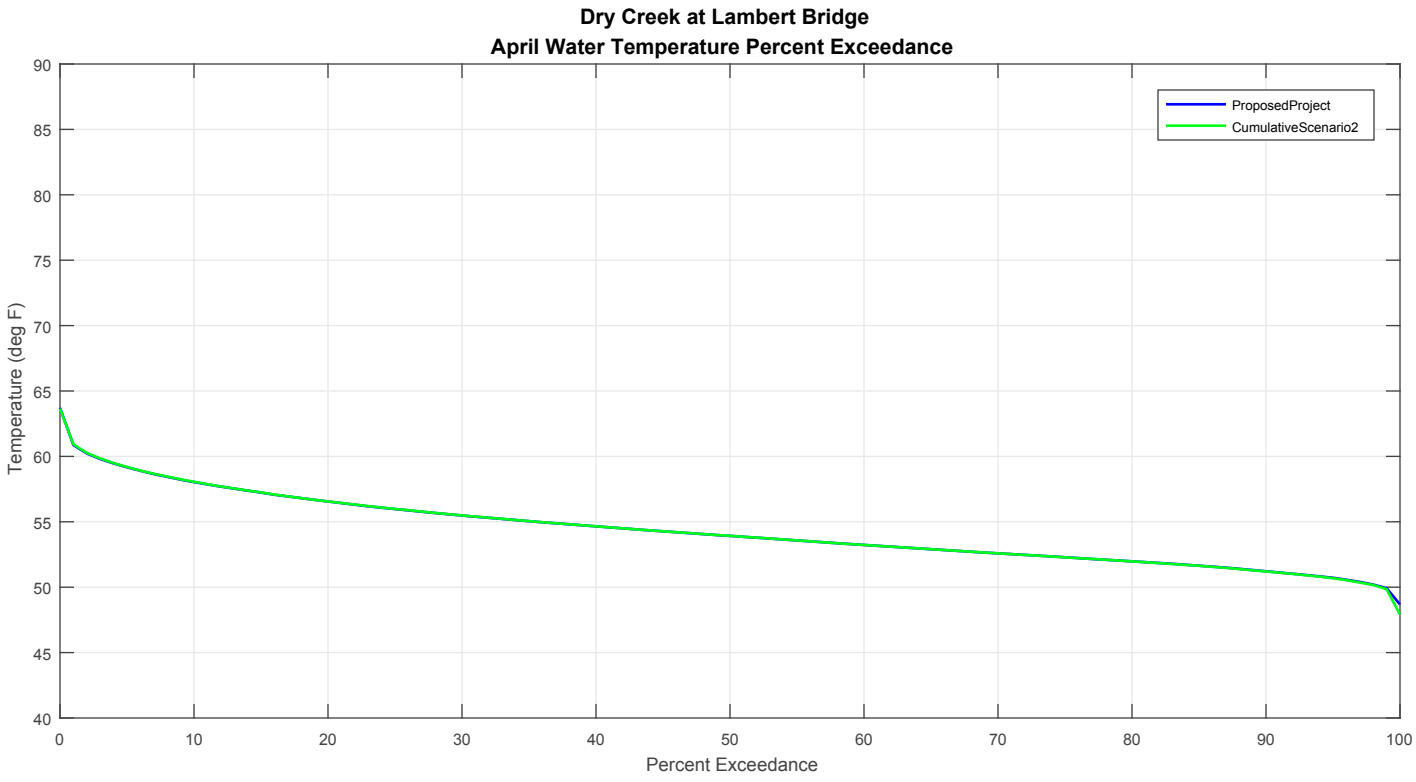
Dry Creek at Lambert Bridge
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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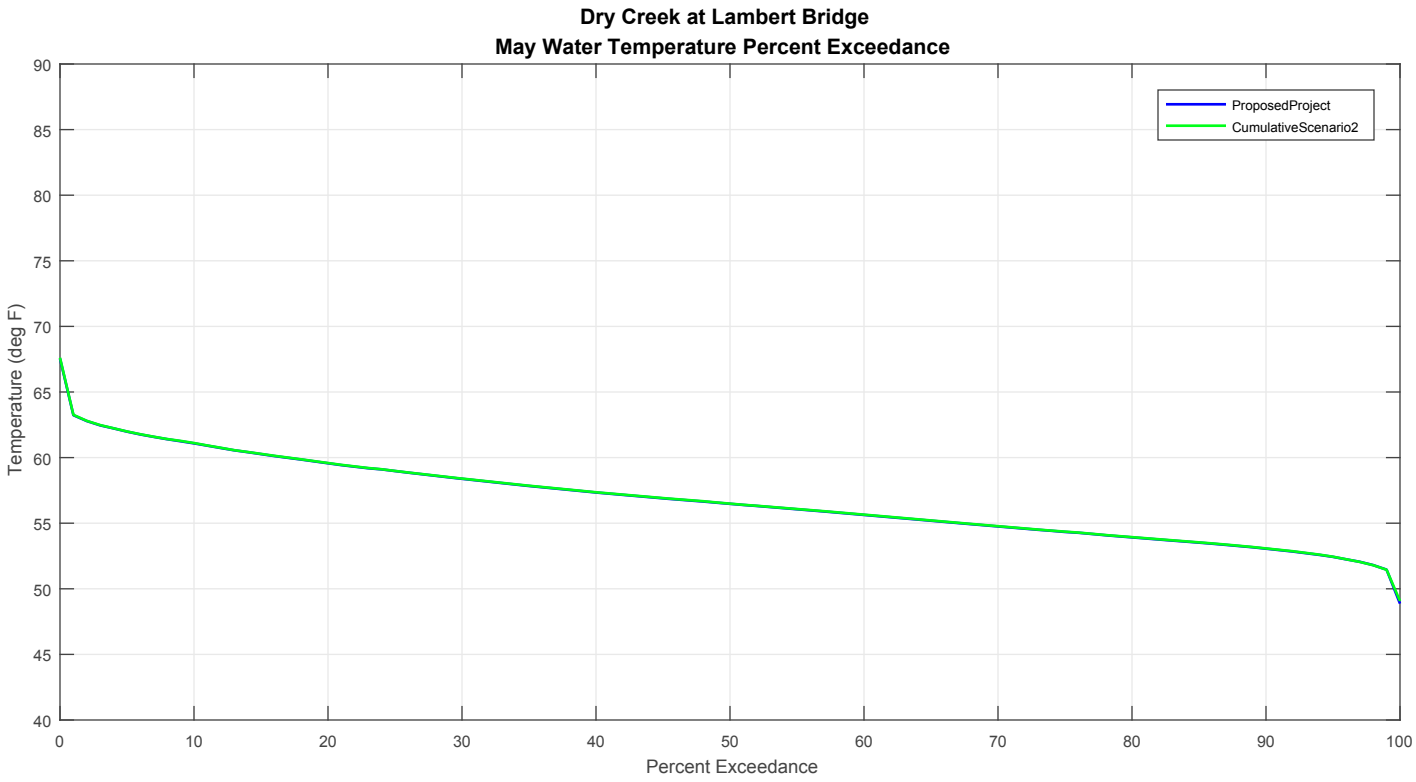
Dry Creek at Lambert Bridge
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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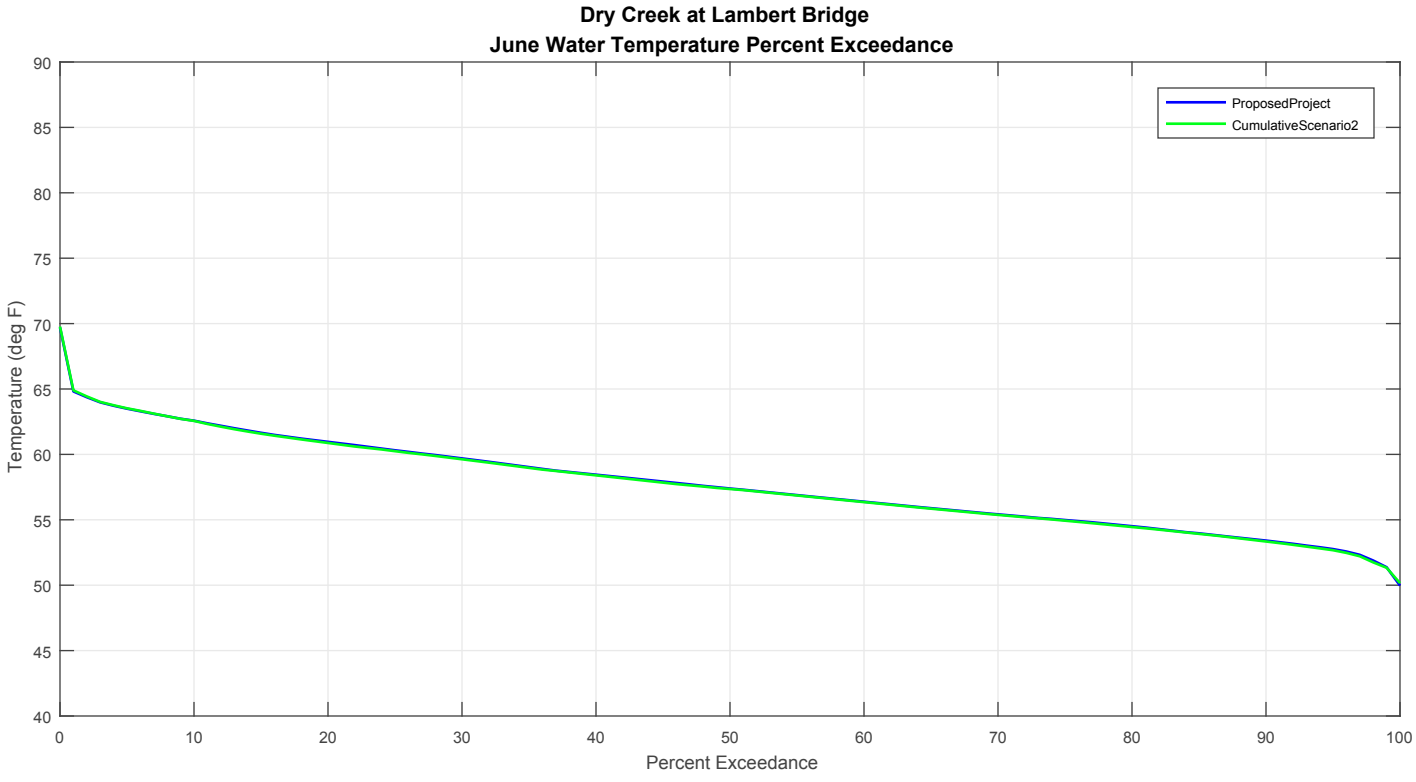
Dry Creek at Lambert Bridge
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
90
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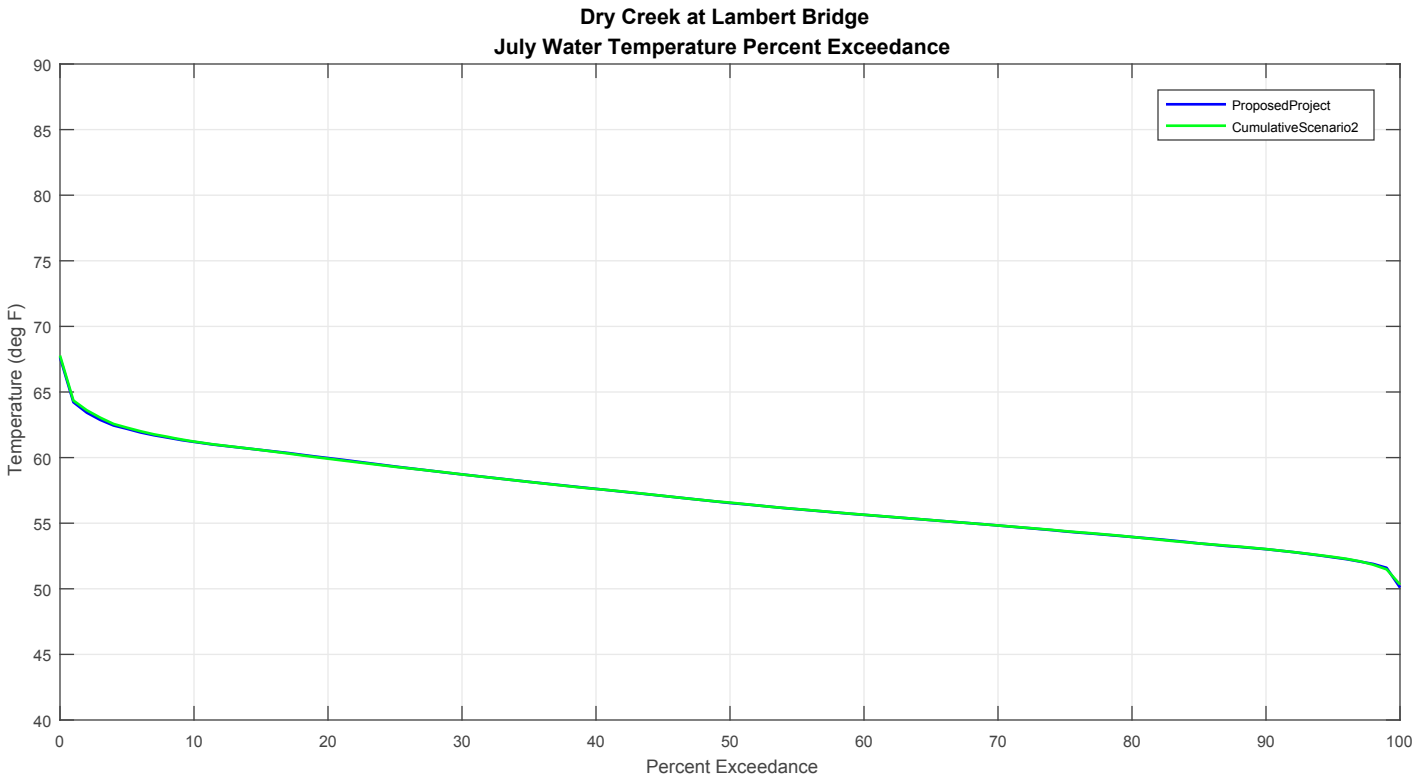
Dry Creek at Lambert Bridge
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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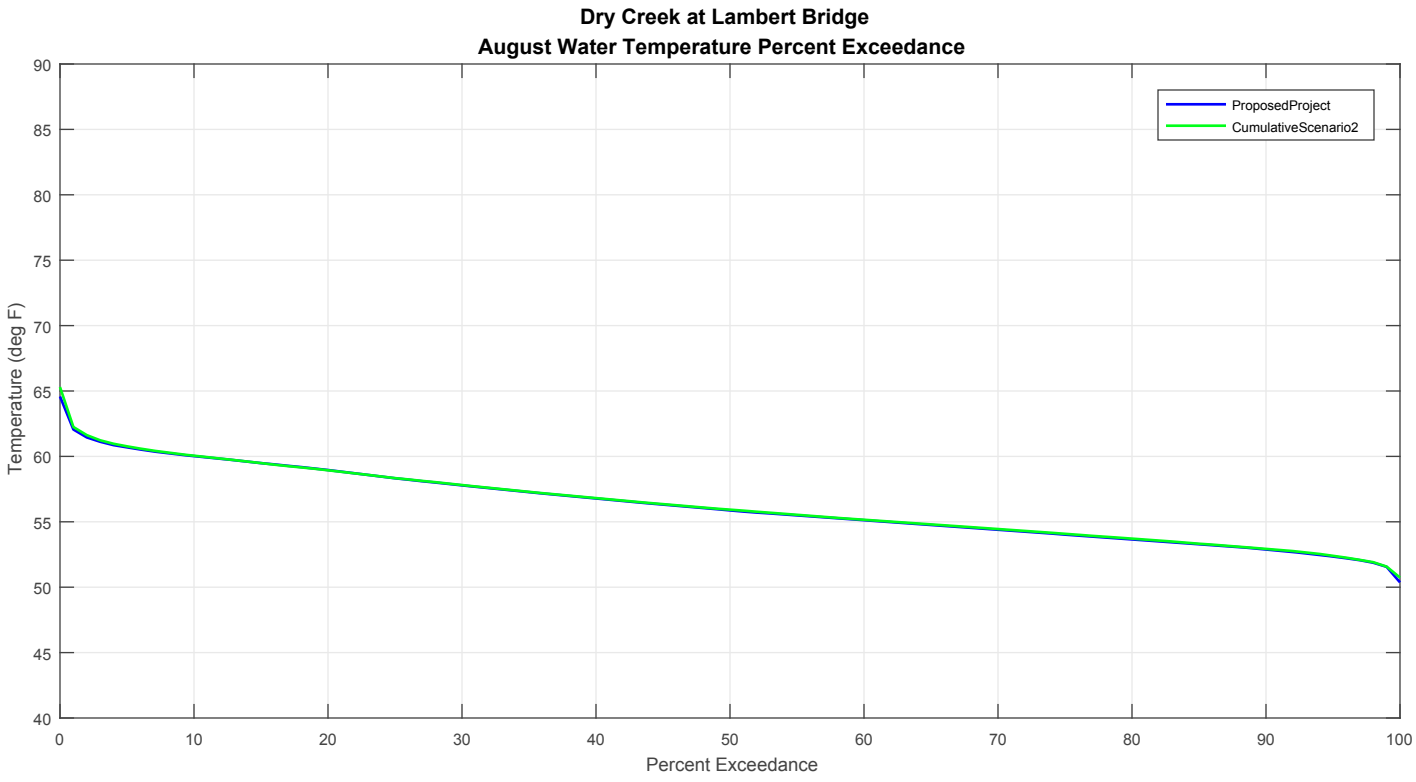
Dry Creek at Lambert Bridge
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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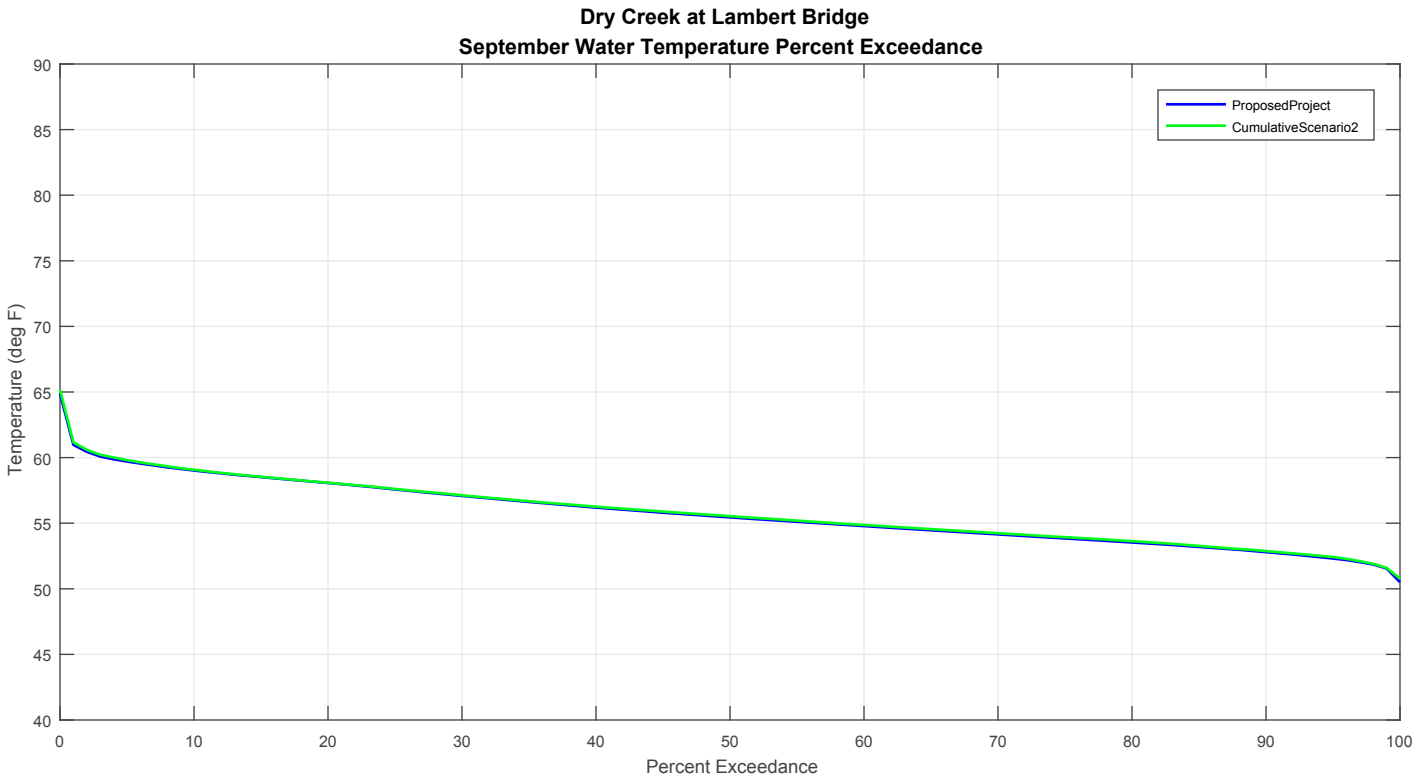
Dry Creek at Lambert Bridge
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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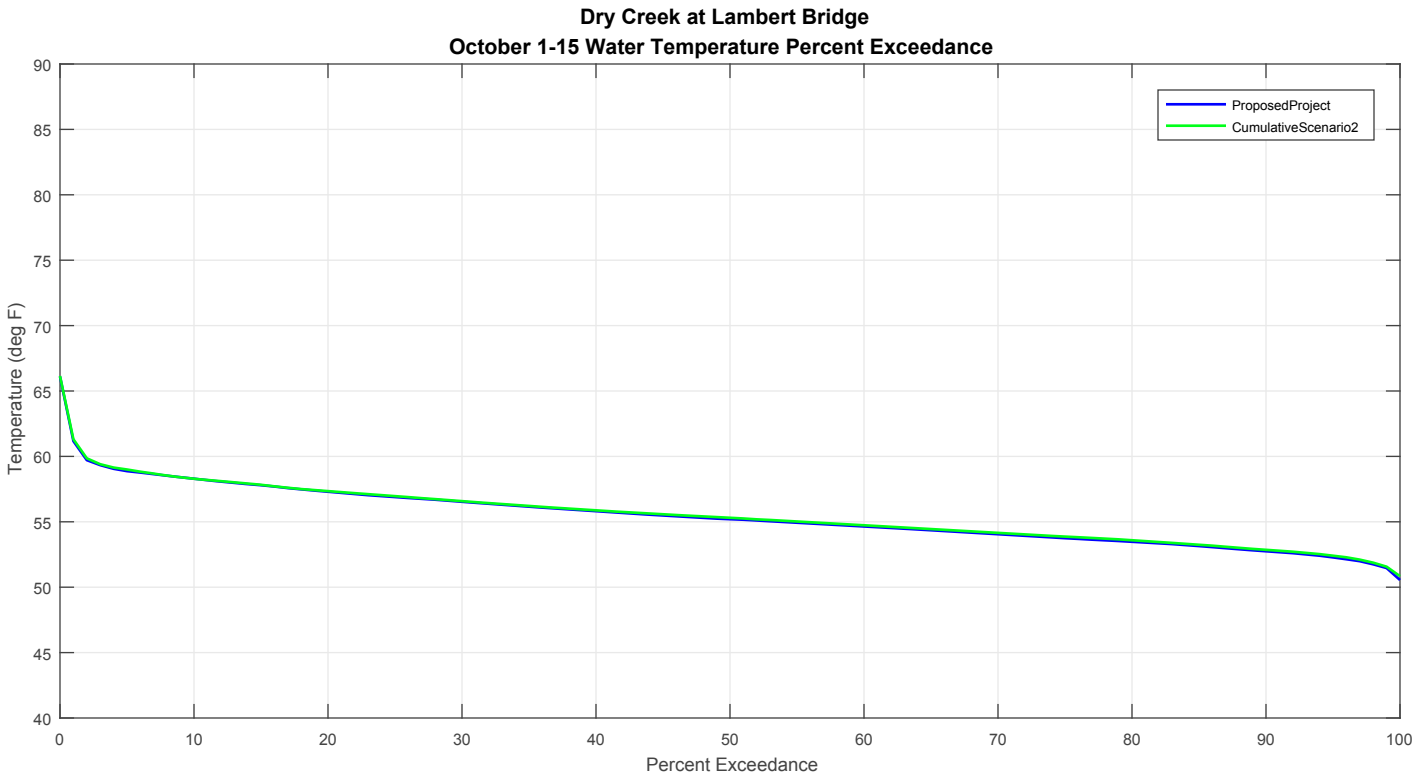
Dry Creek at Lambert Bridge
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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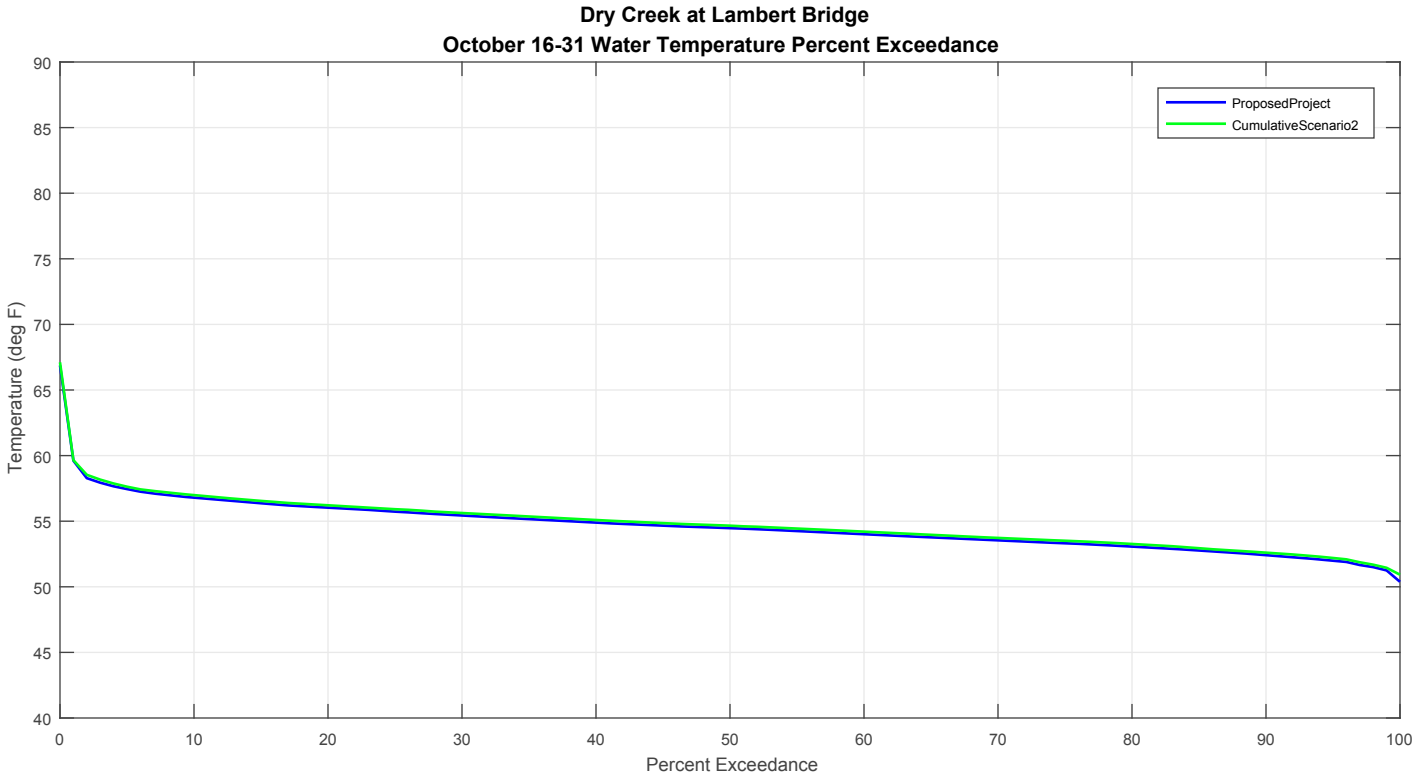
Dry Creek at Lambert Bridge
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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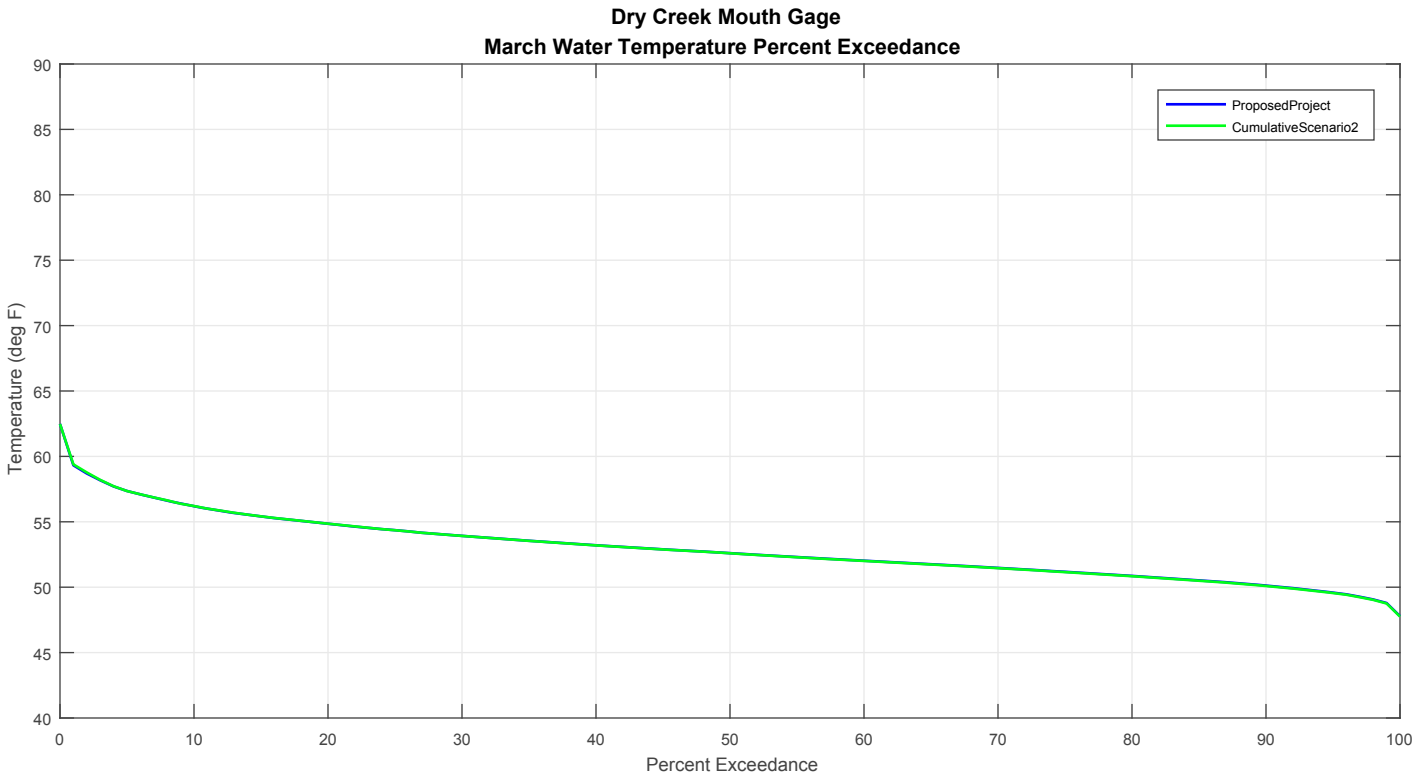
Dry Creek Mouth Gage
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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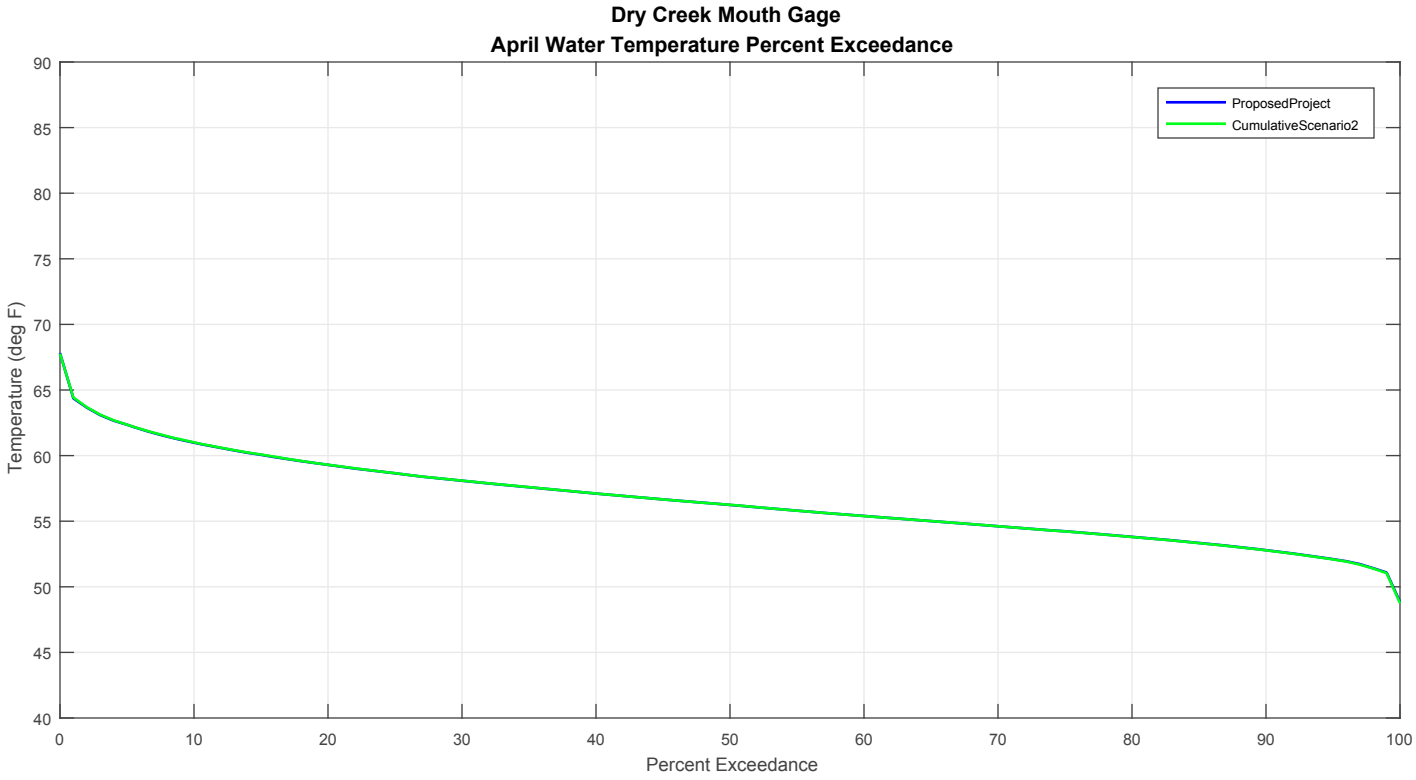
Dry Creek Mouth Gage
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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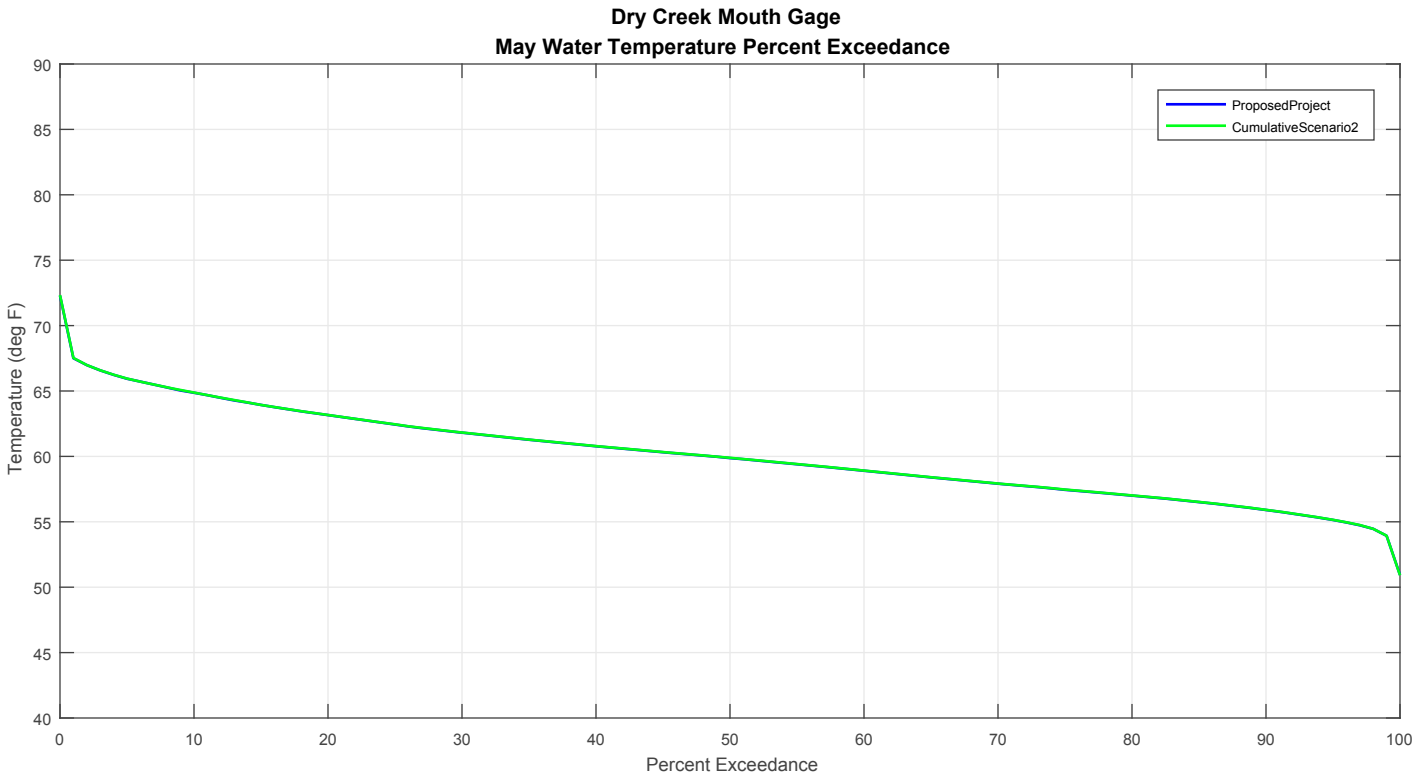
Dry Creek Mouth Gage
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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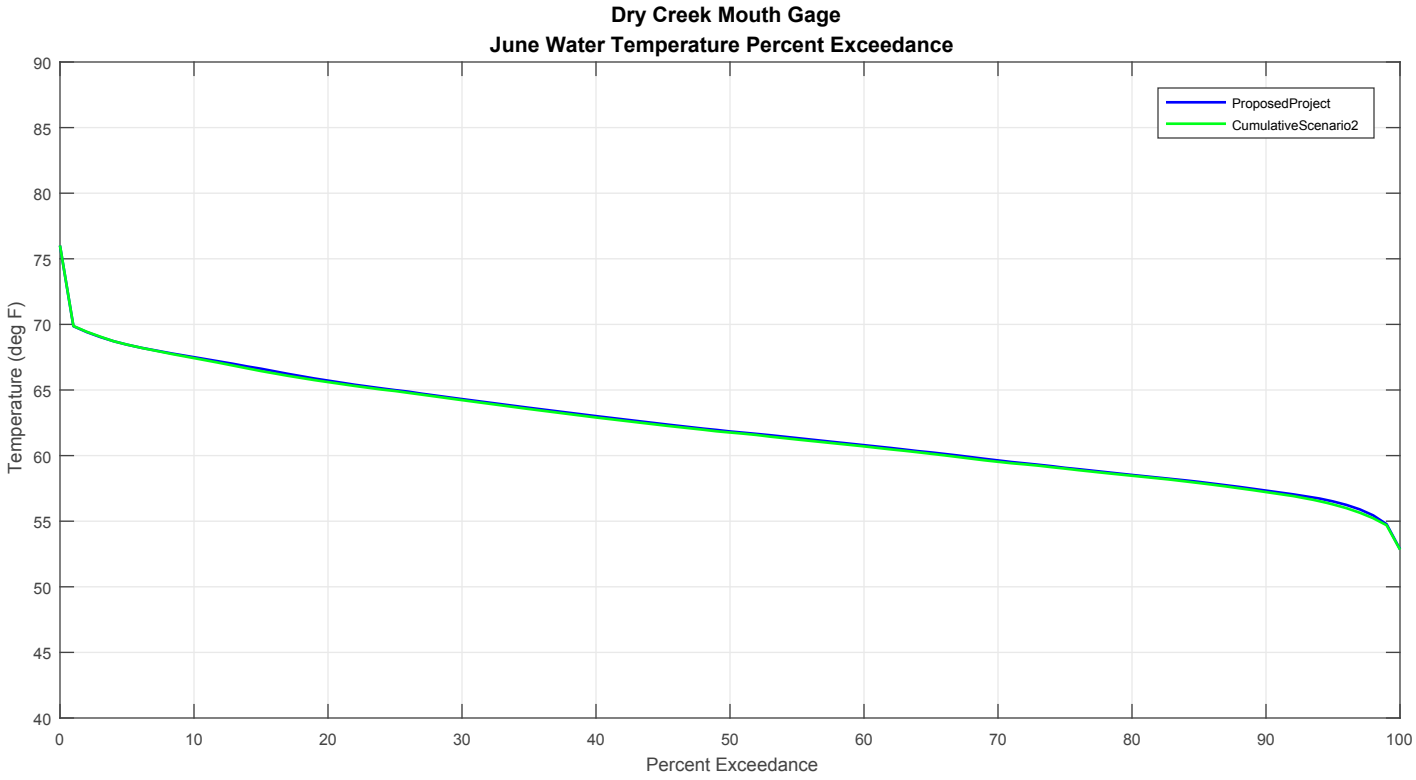
Dry Creek Mouth Gage
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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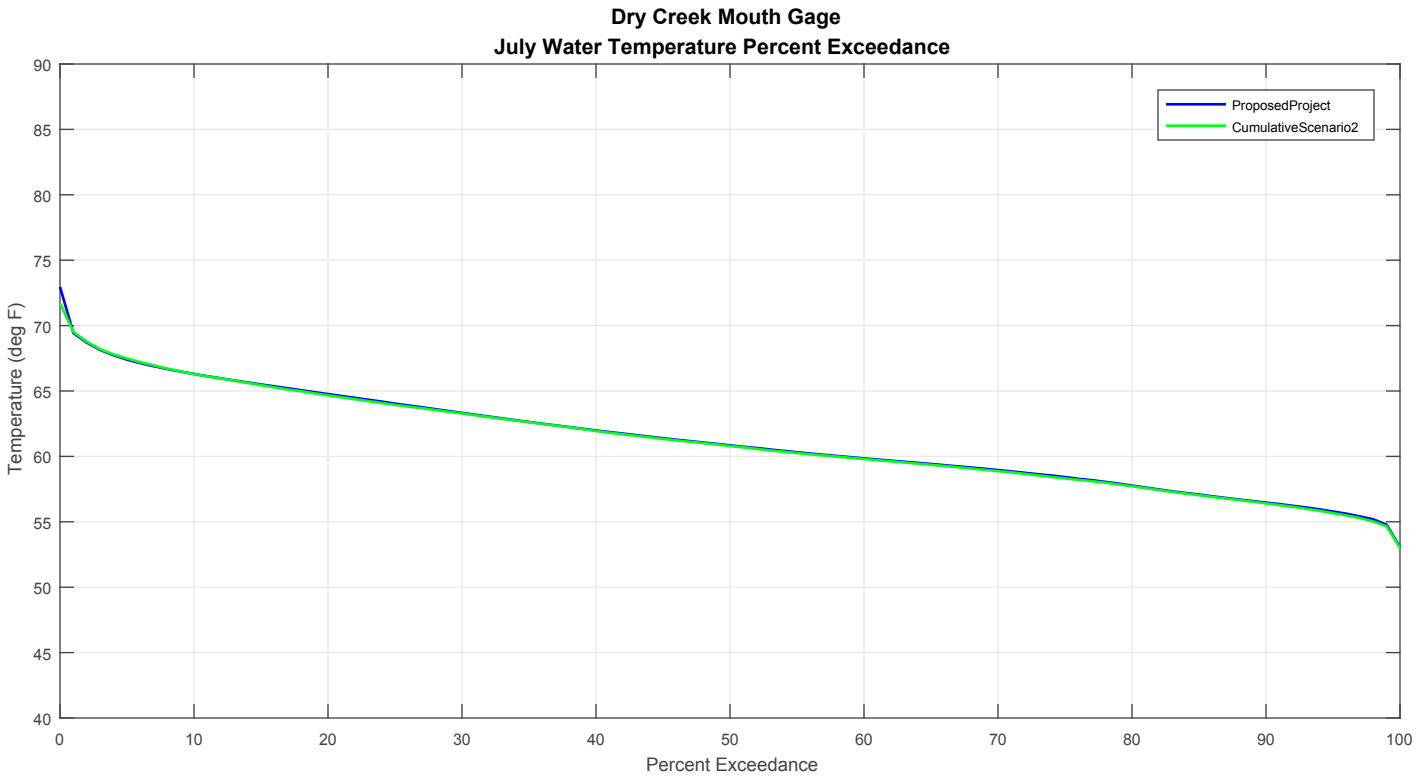
Dry Creek Mouth Gage
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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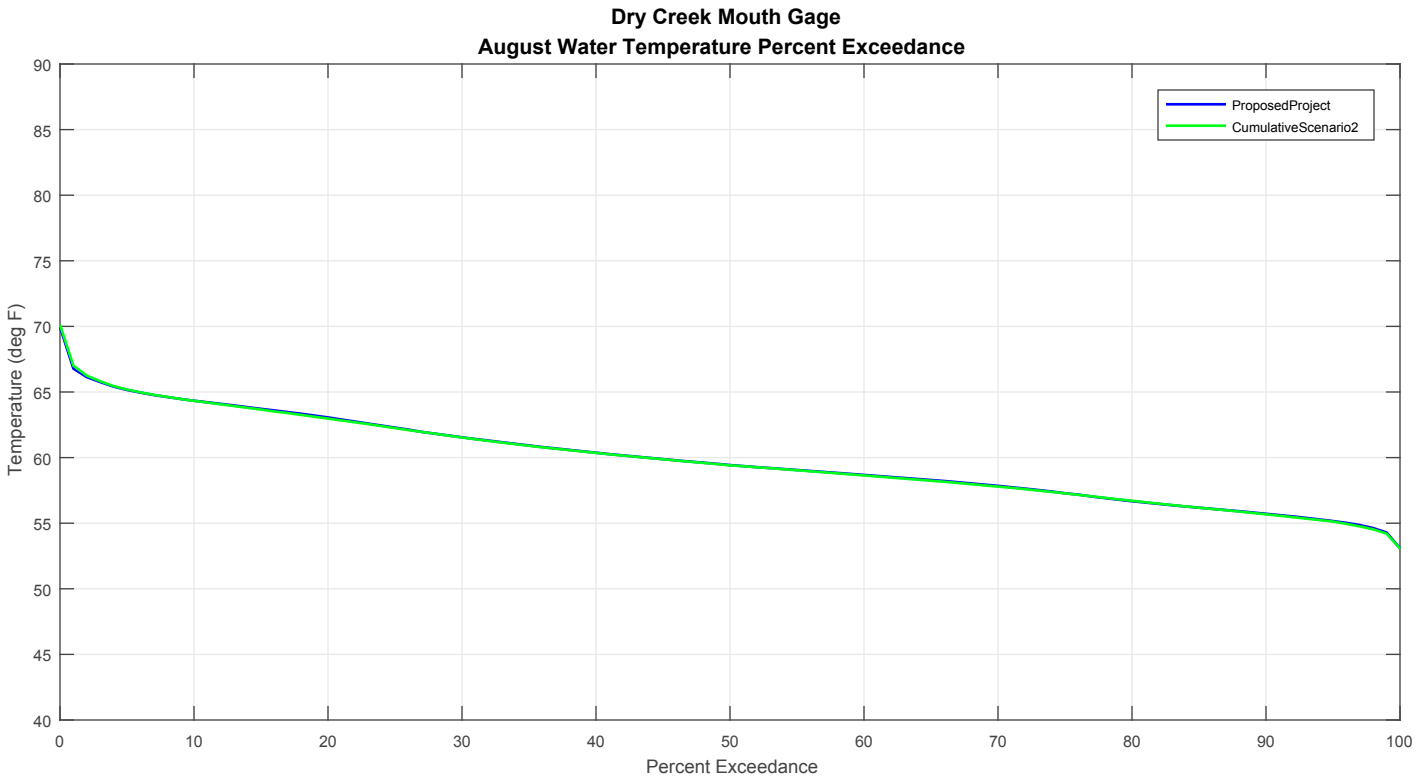
Dry Creek Mouth Gage
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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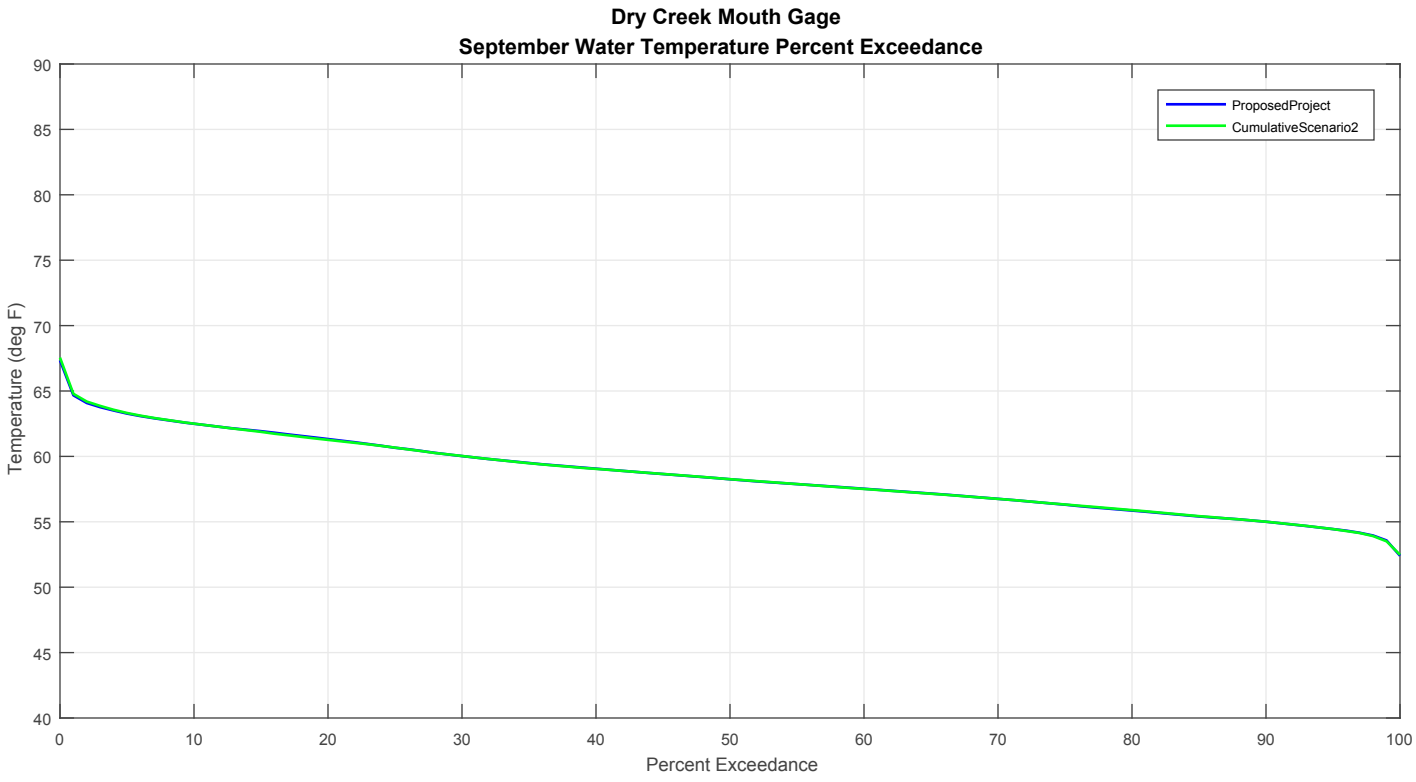
Dry Creek Mouth Gage
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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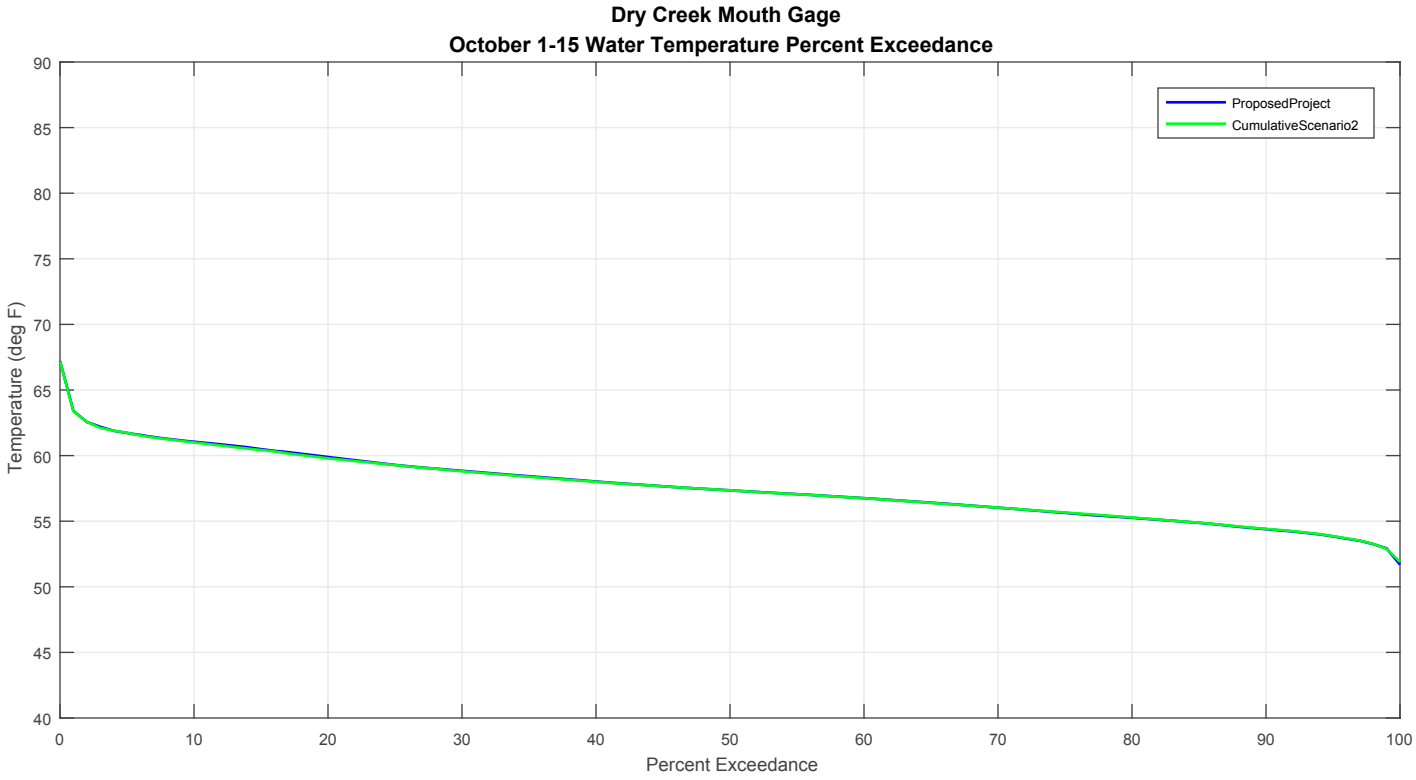
Dry Creek Mouth Gage
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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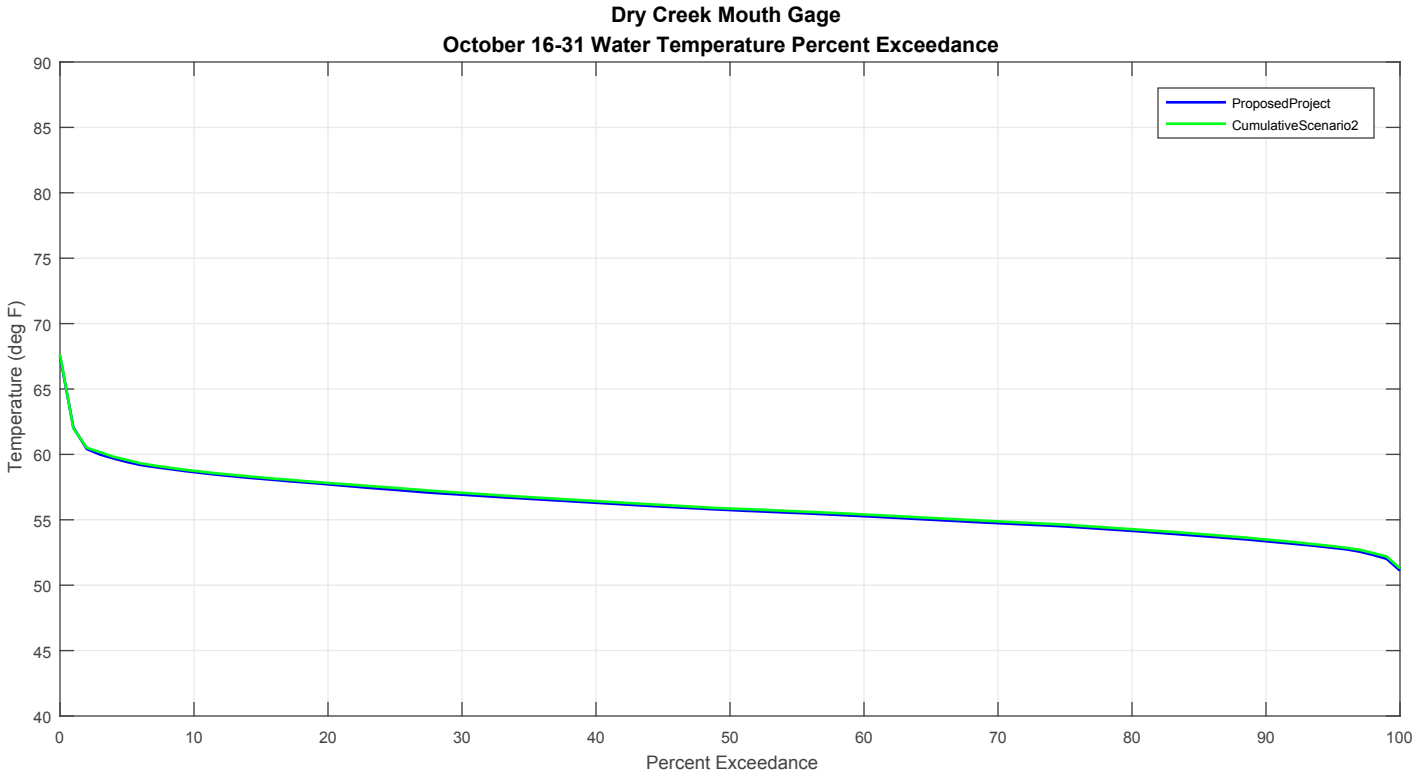
Dry Creek Mouth Gage
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario2
Temperature (deg F)
Percent Exceedance
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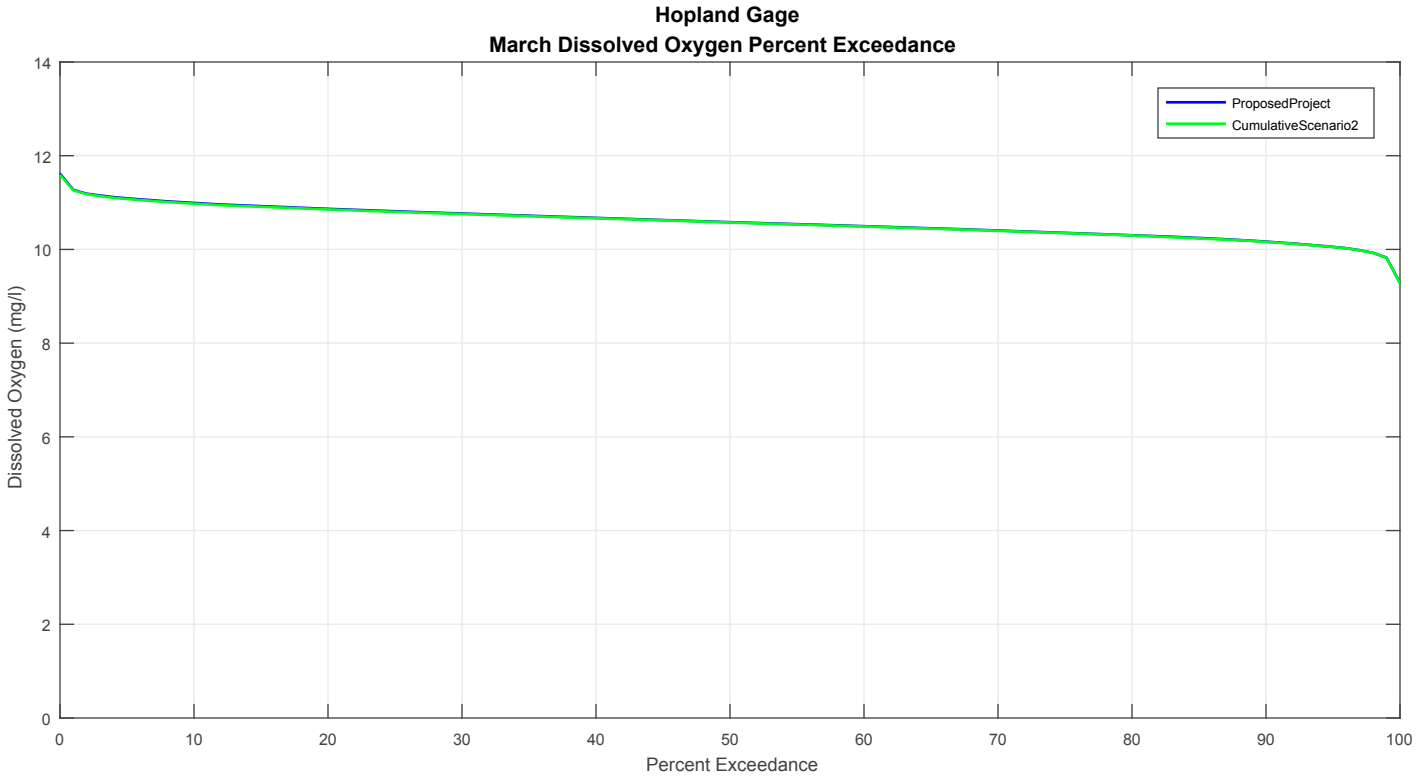
Hopland Gage
March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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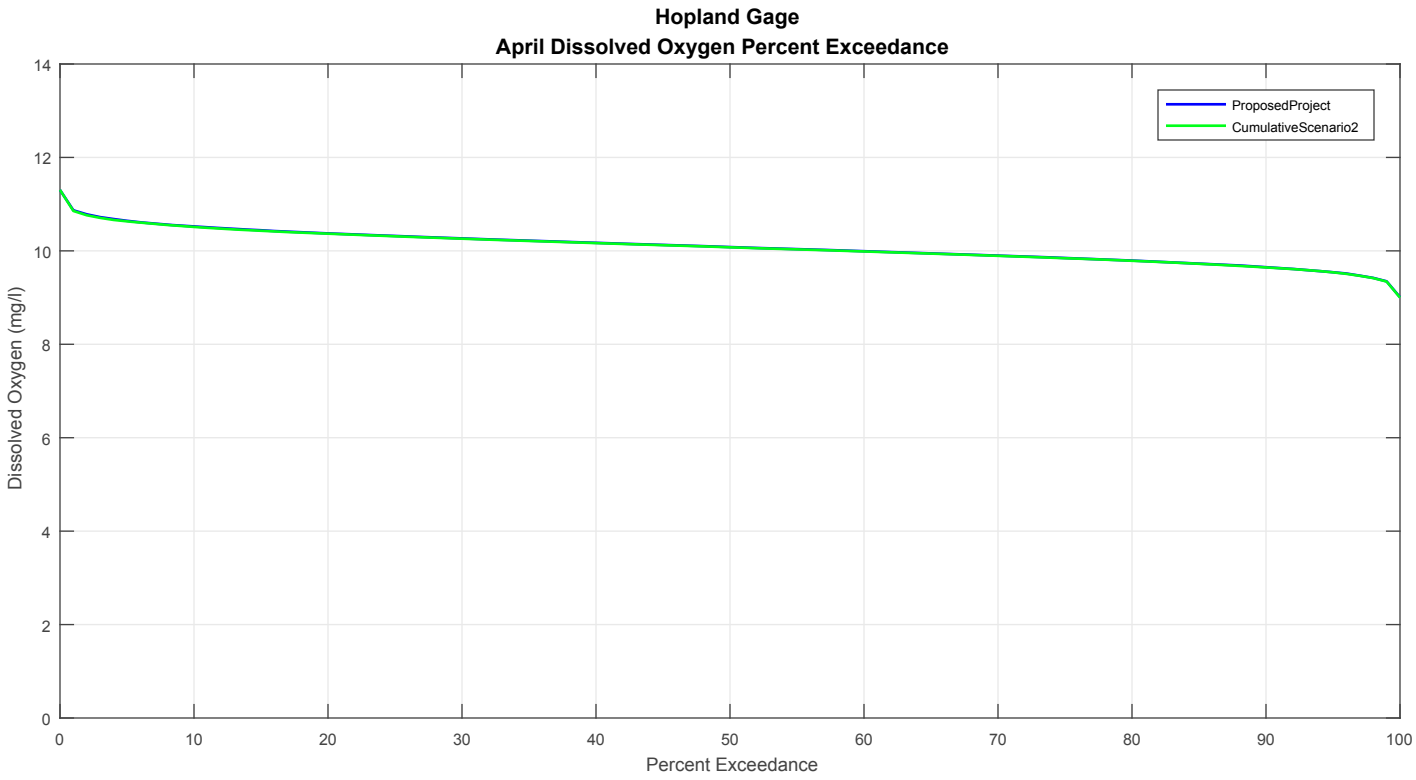
Hopland Gage
April Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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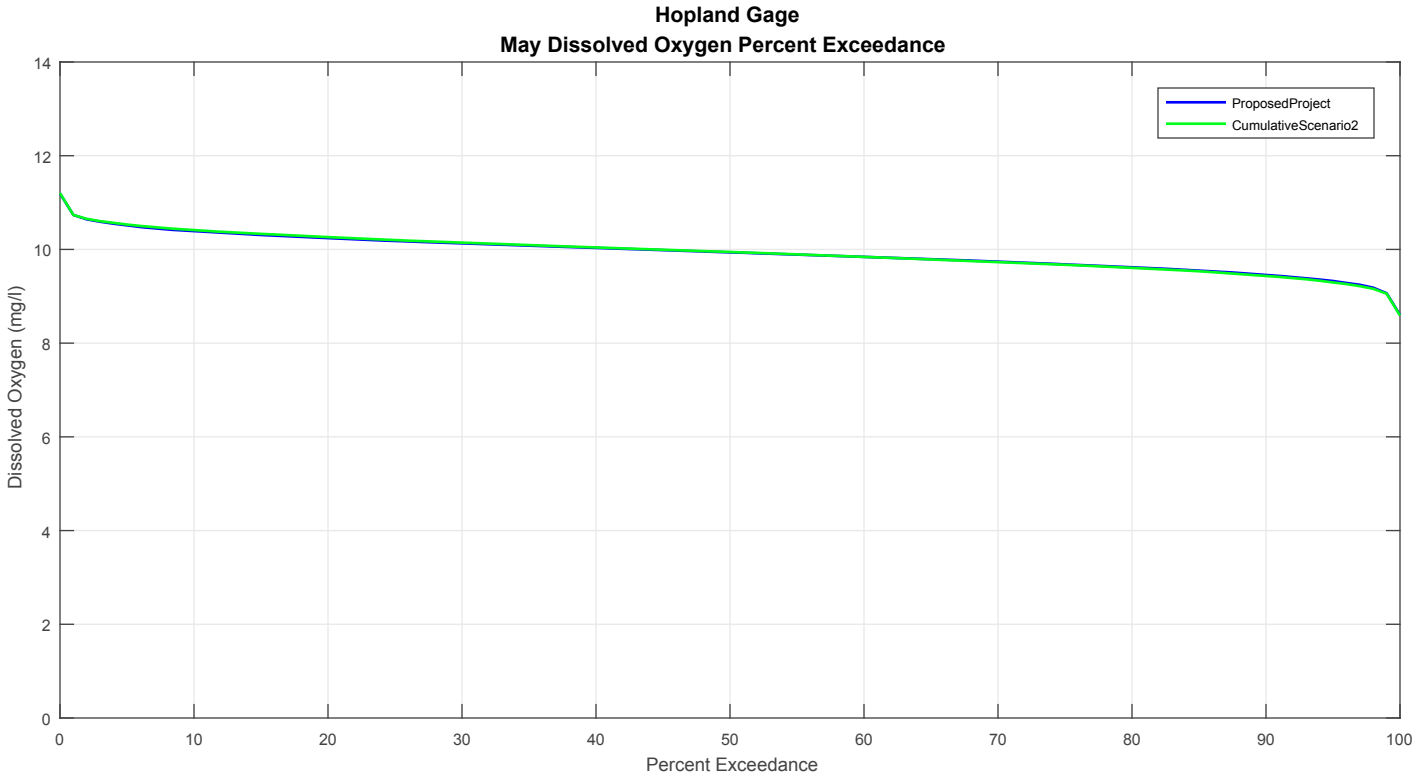
Hopland Gage
May Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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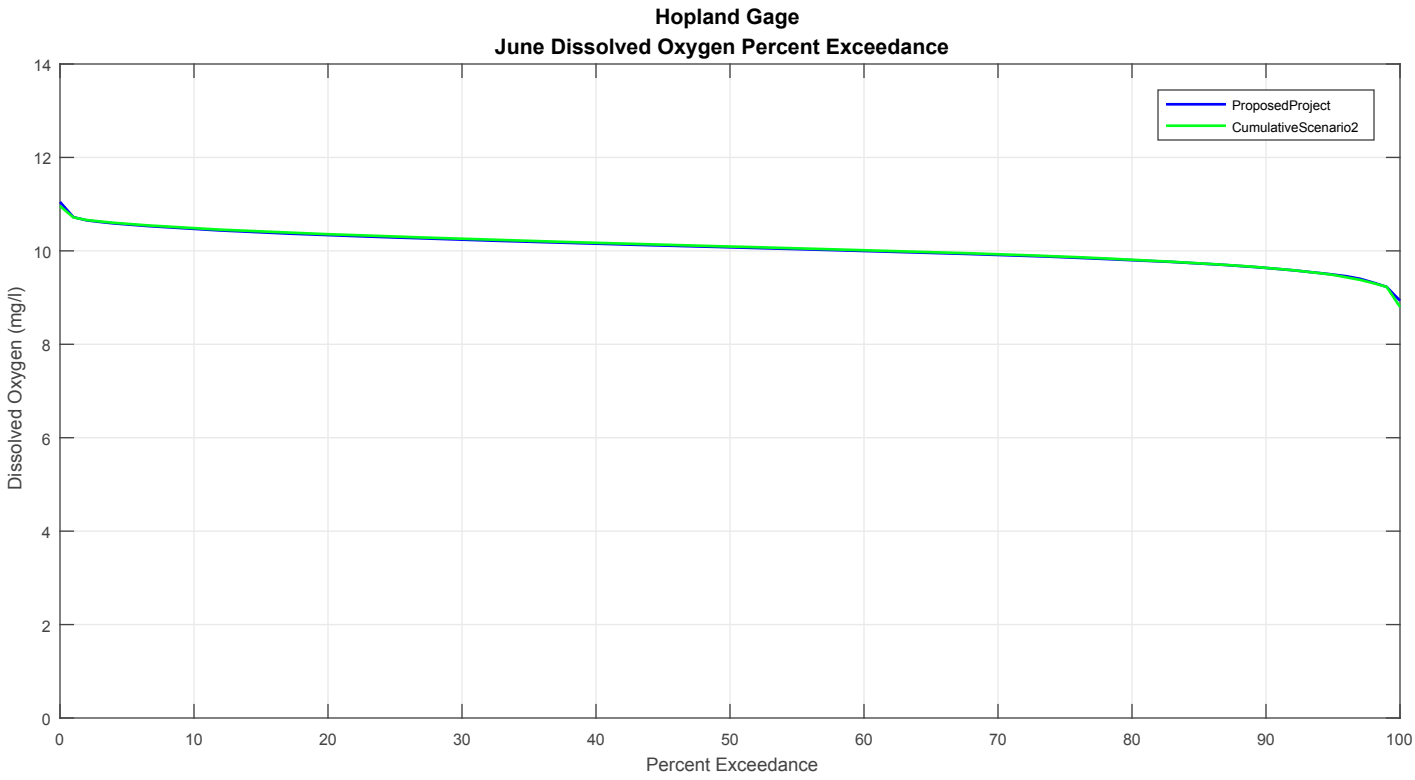
Hopland Gage
June Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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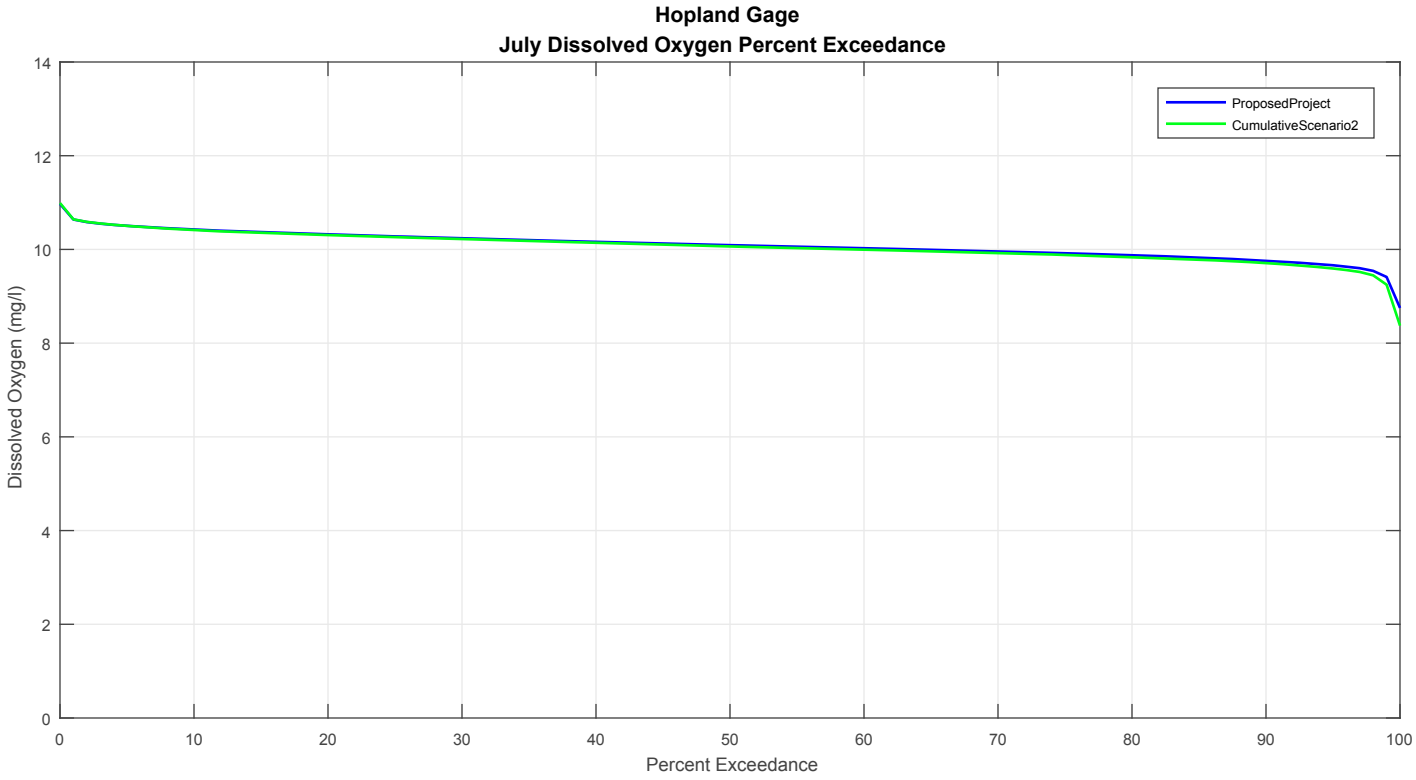
Hopland Gage
July Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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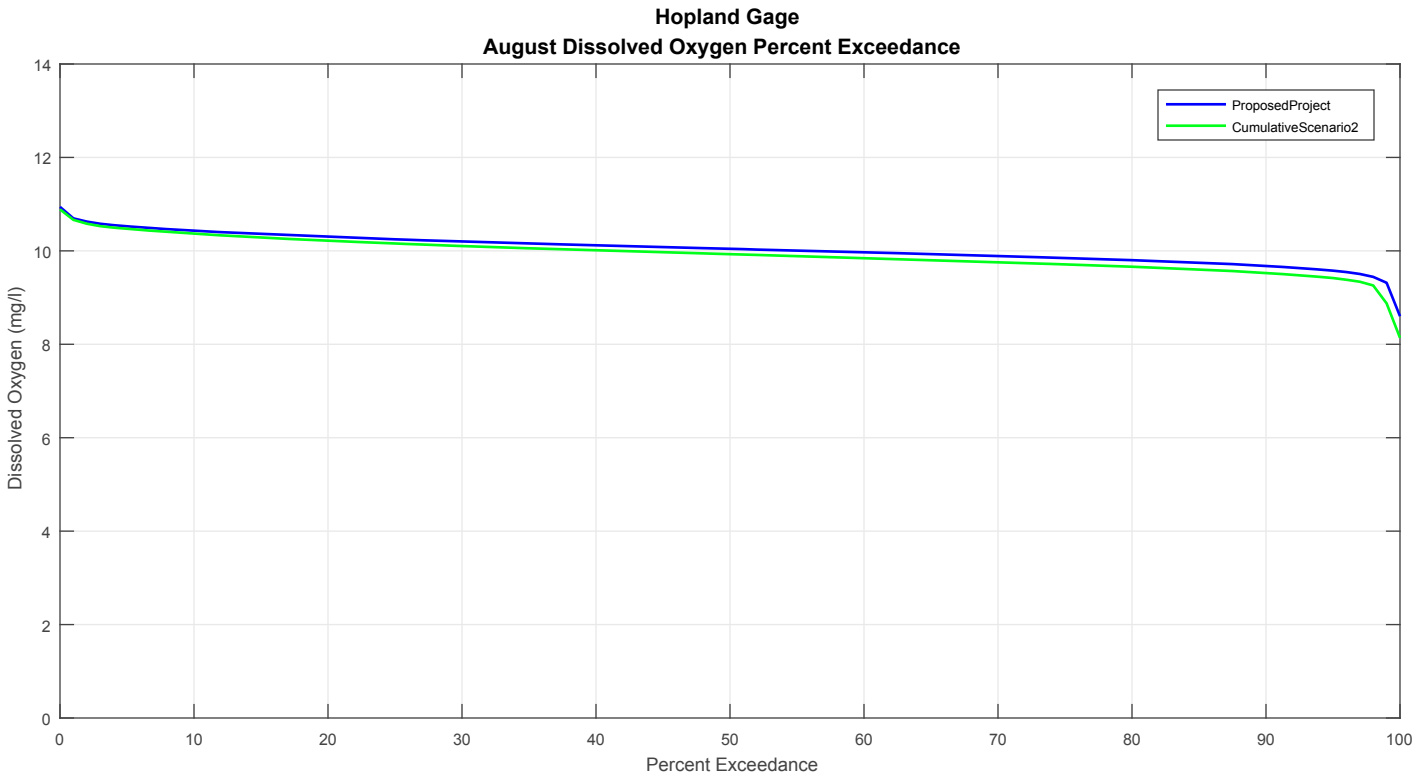
Hopland Gage
August Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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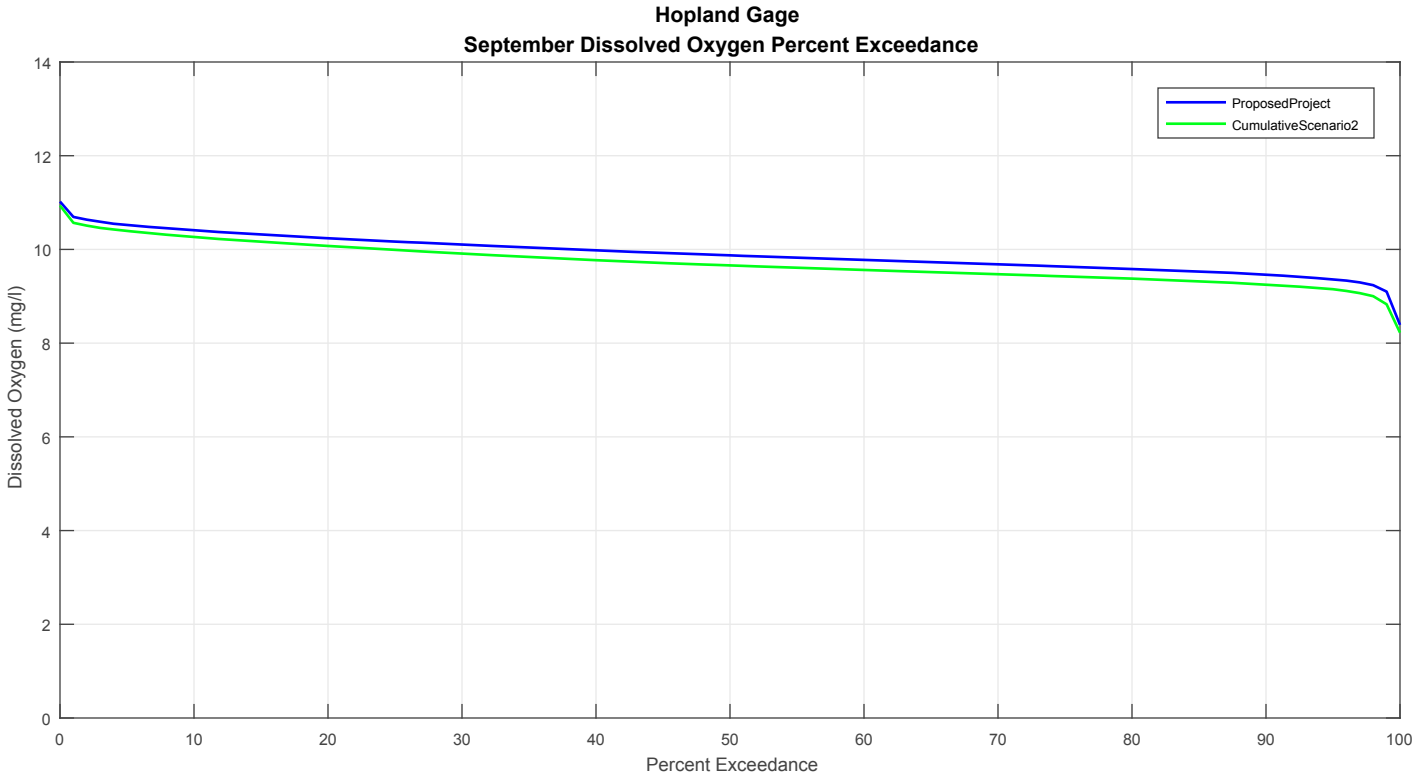
Hopland Gage
September Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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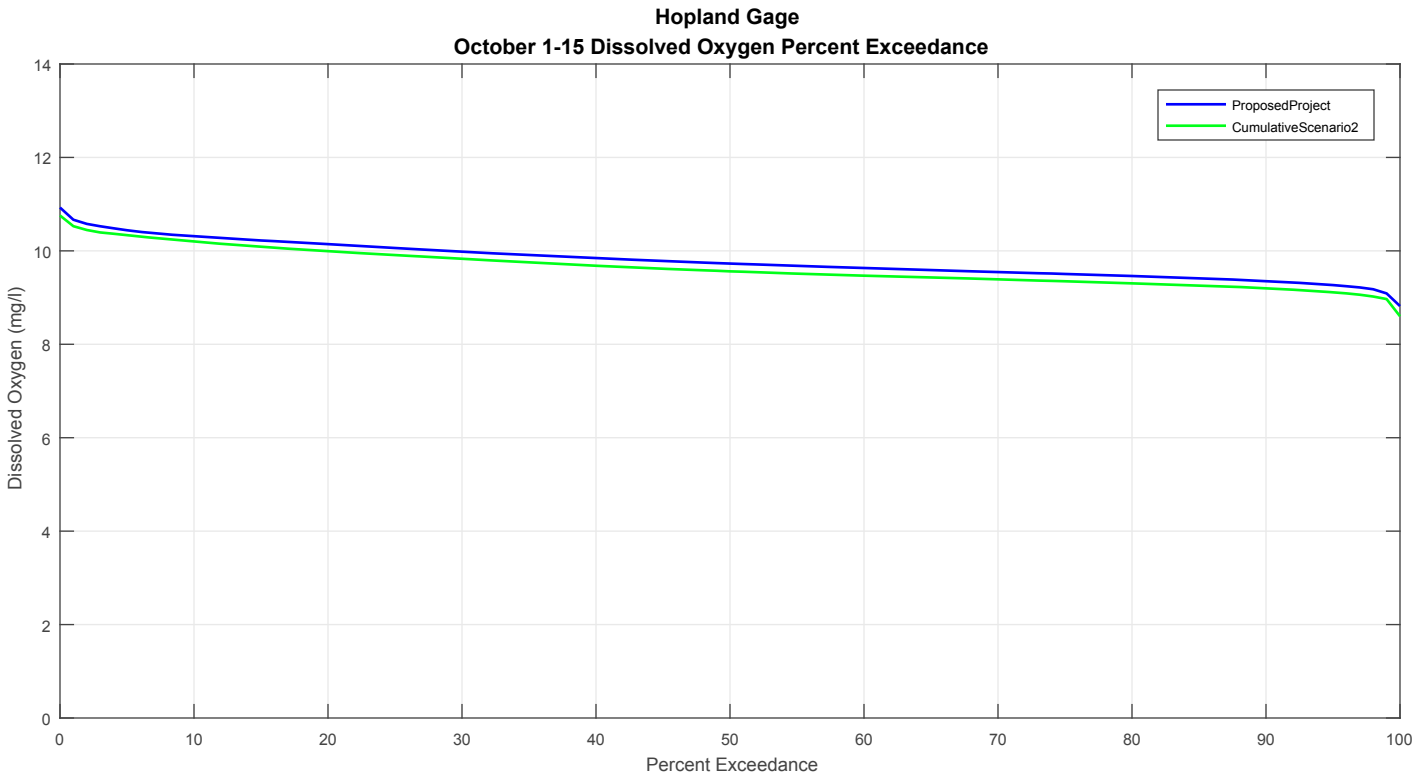
Hopland Gage
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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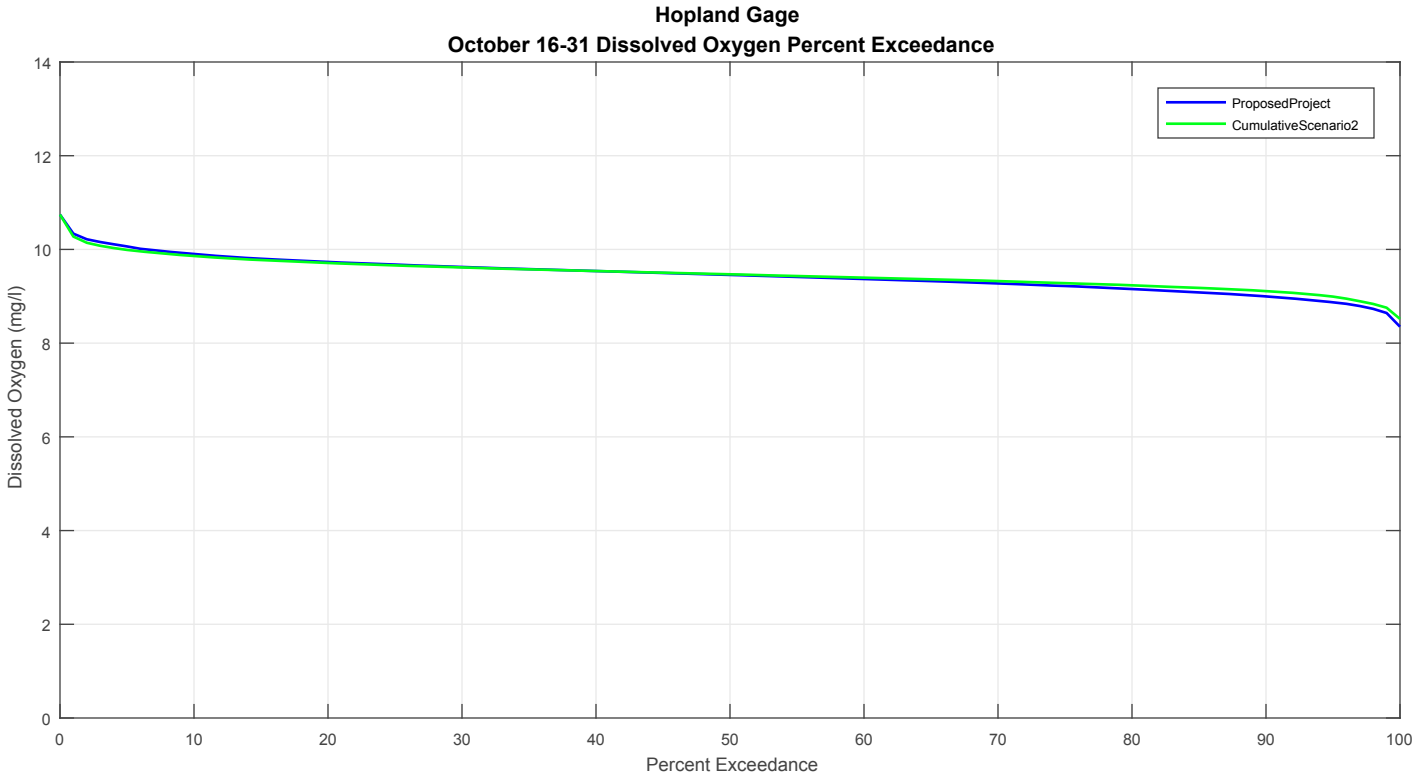
Hopland Gage
October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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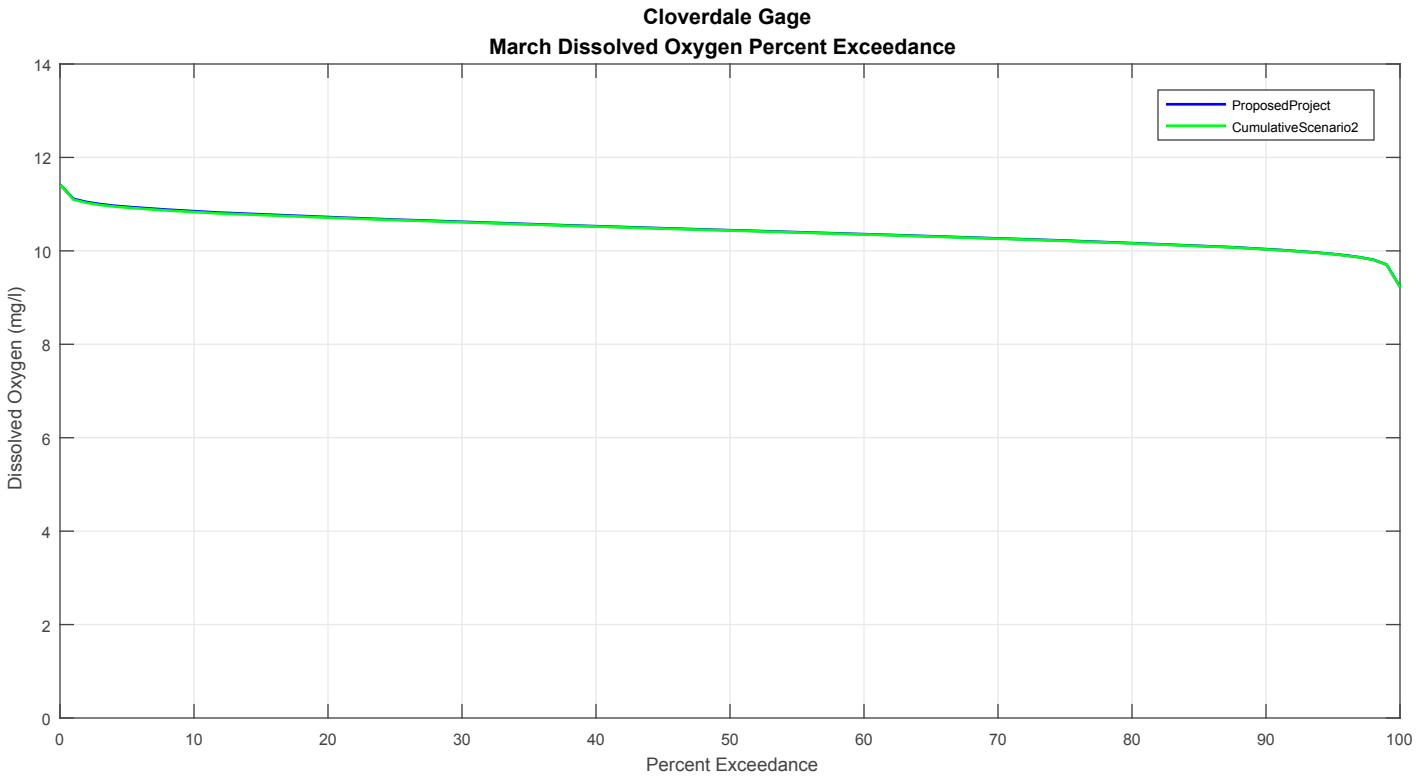
Cloverdale Gage
March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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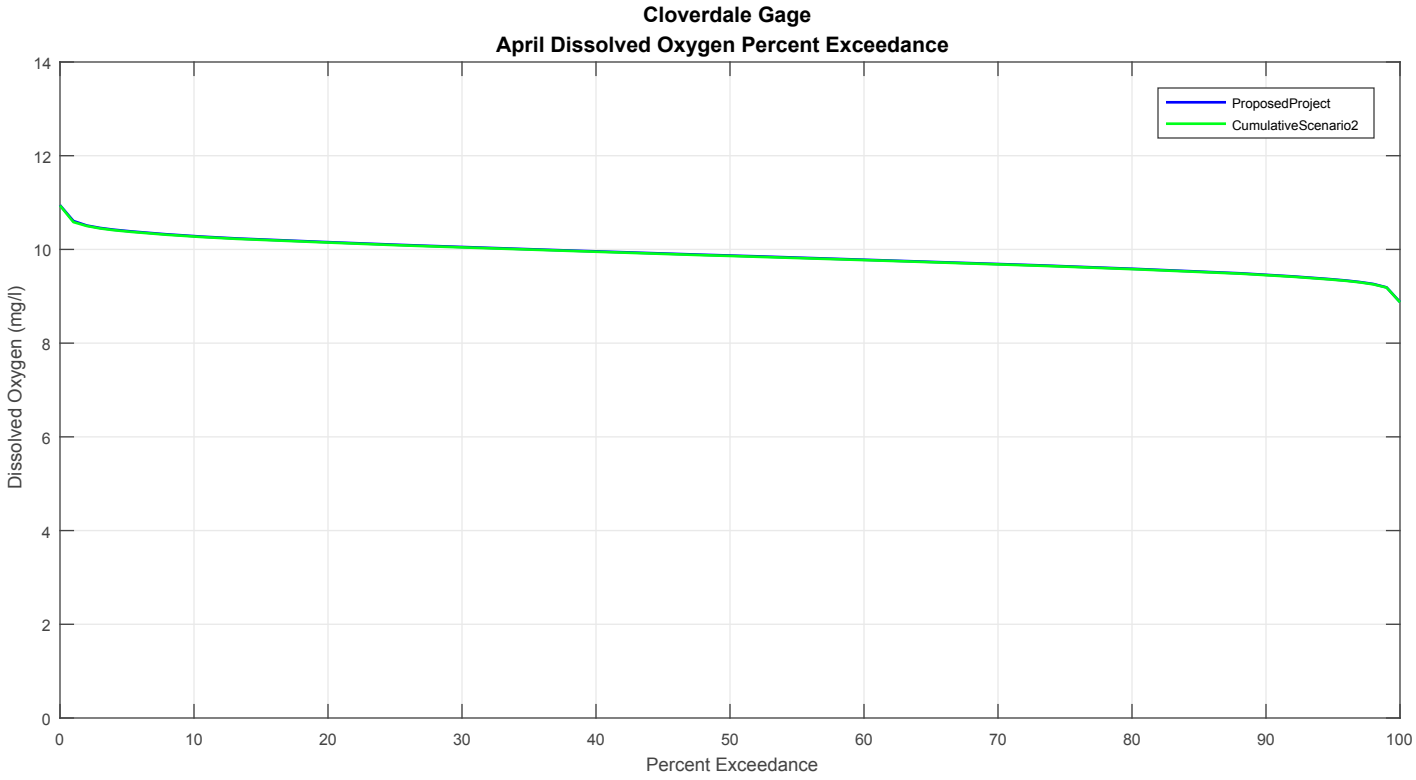
Cloverdale Gage
April Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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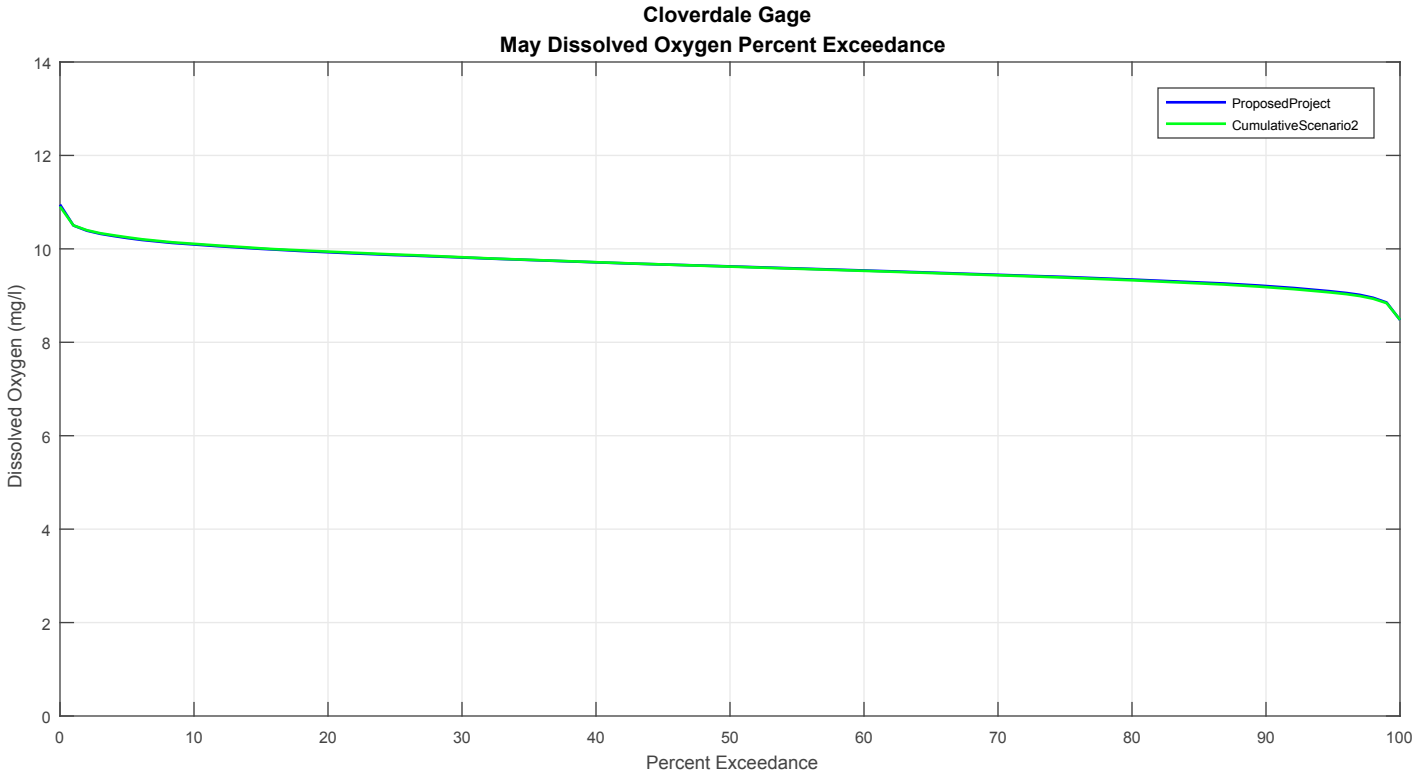
Cloverdale Gage
May Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
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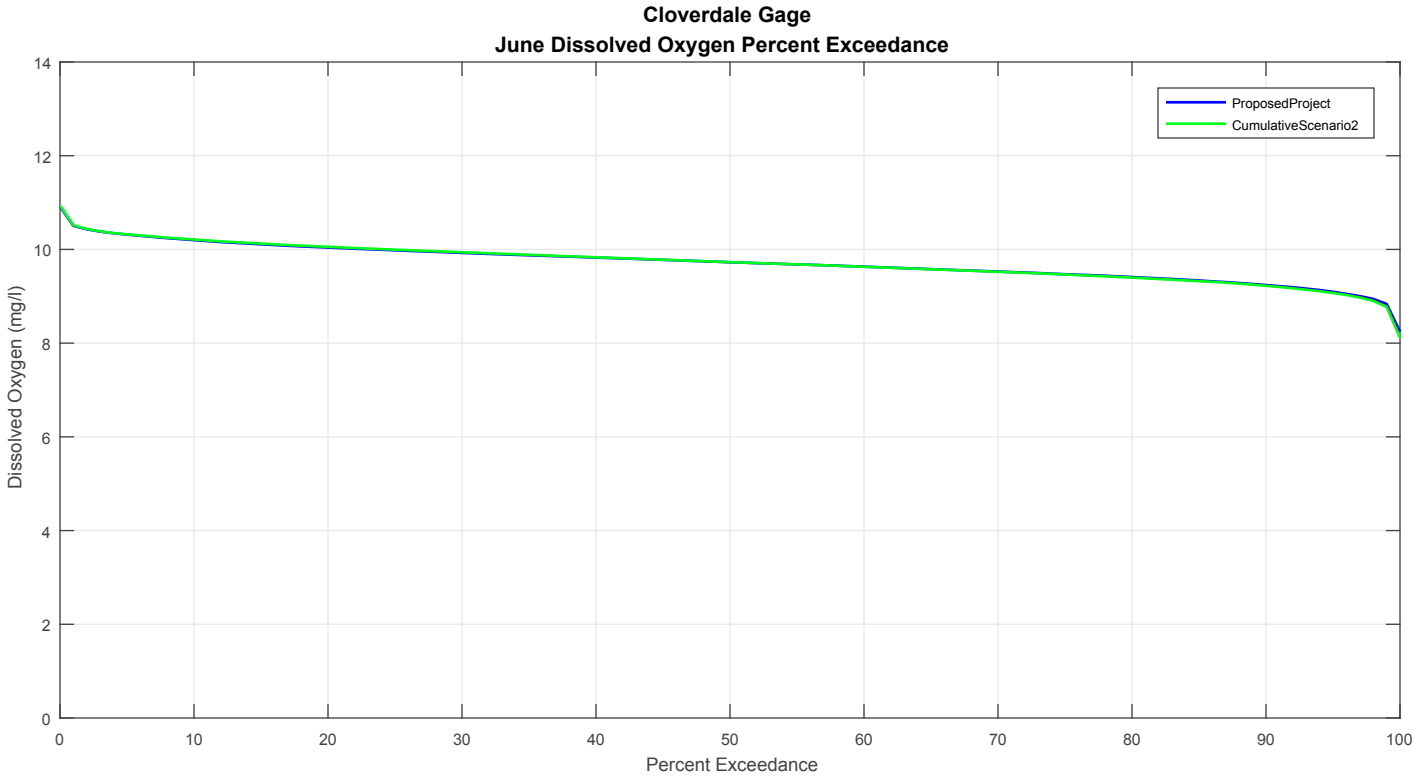
Cloverdale Gage
June Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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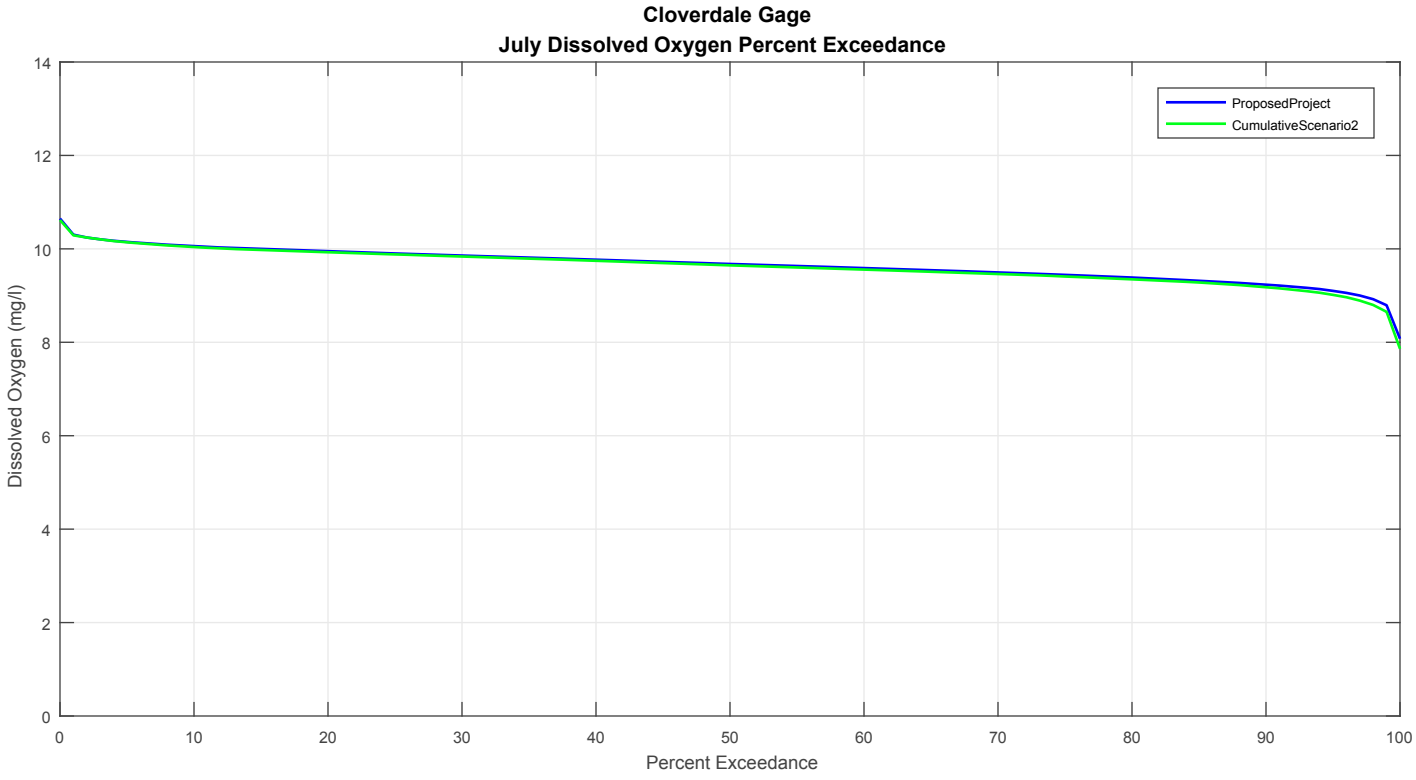
Cloverdale Gage
July Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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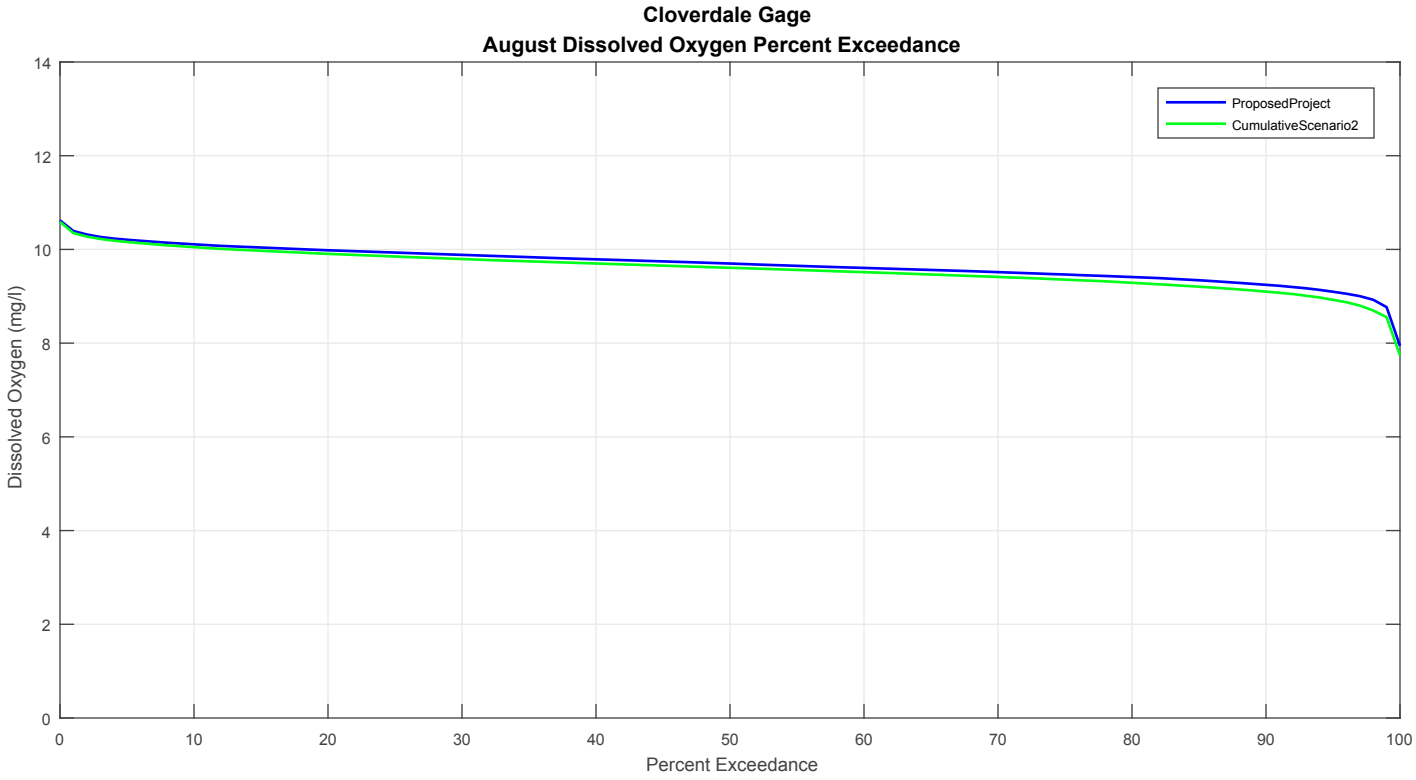
Cloverdale Gage
August Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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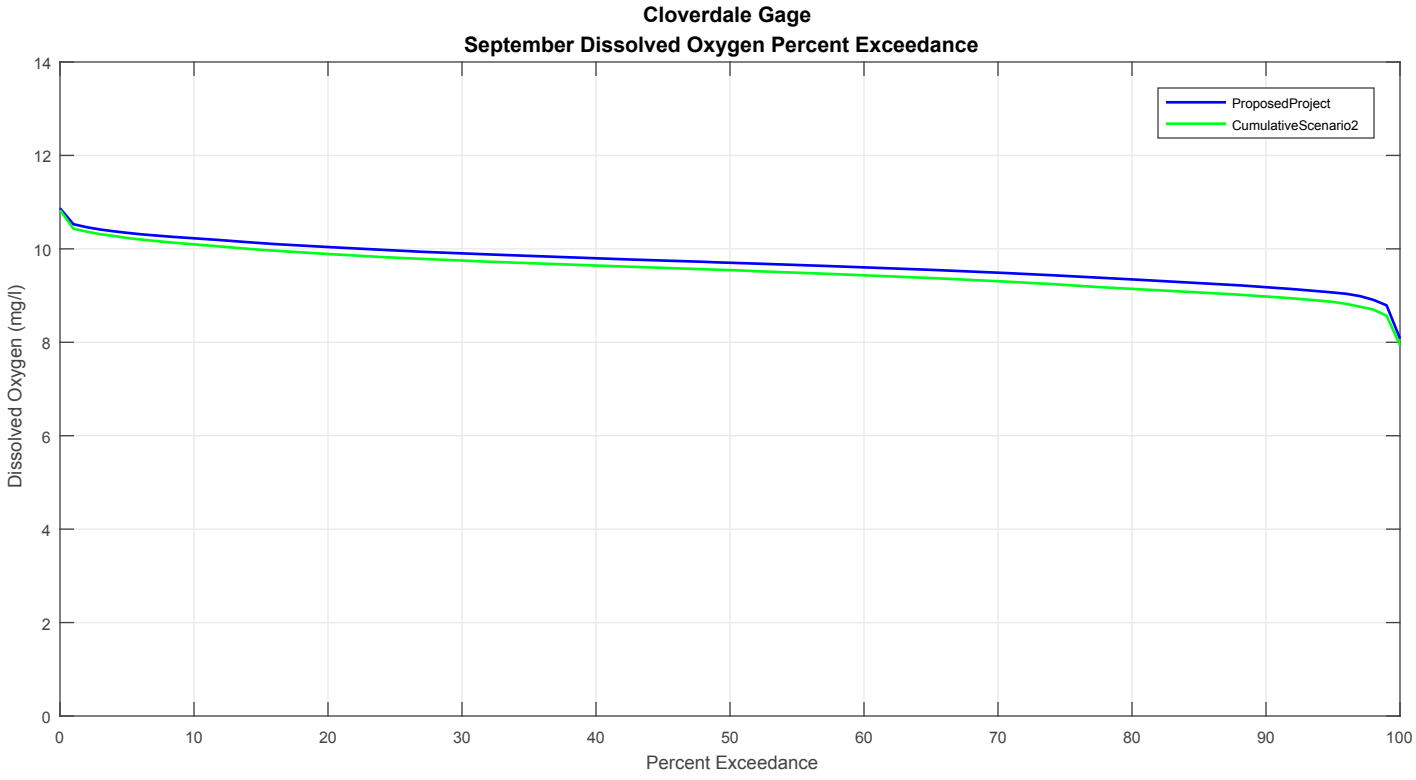
Cloverdale Gage
September Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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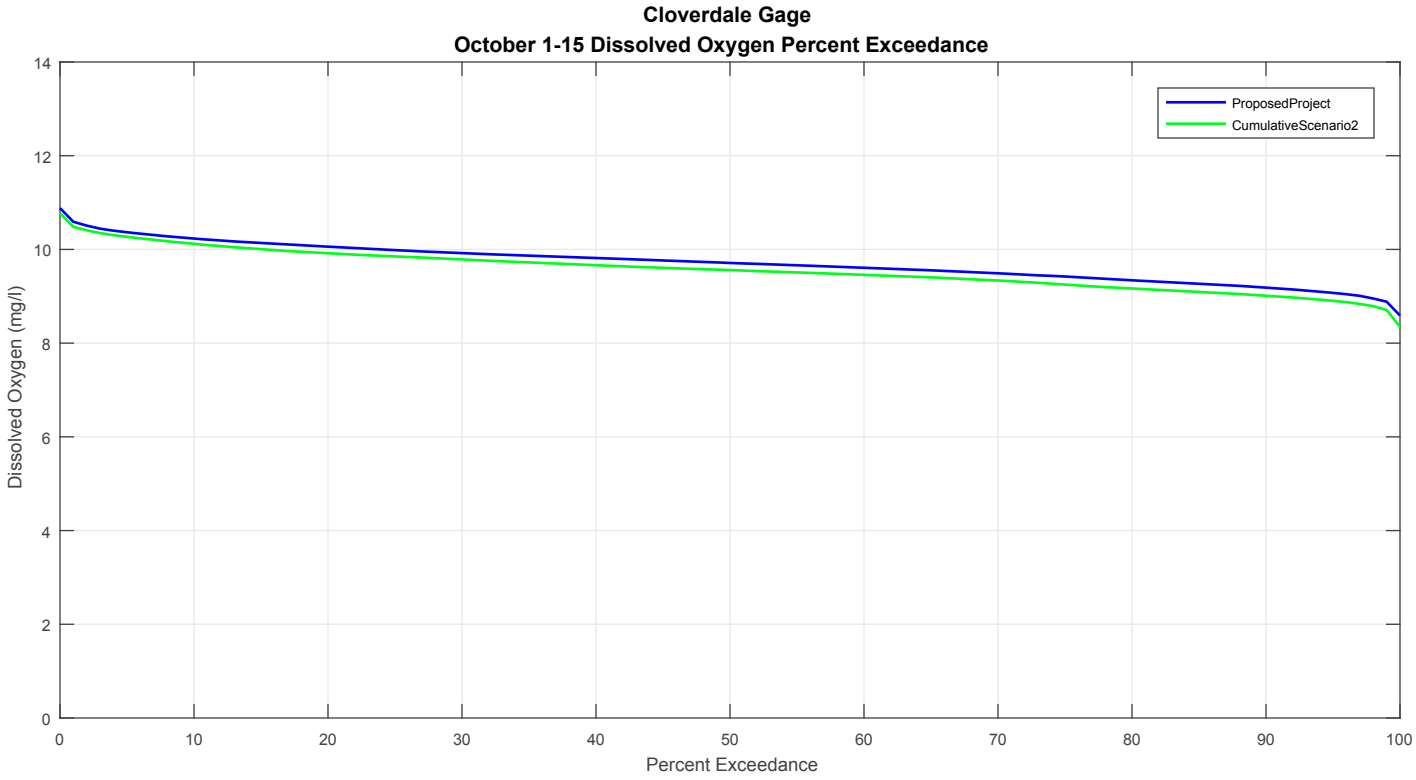
Cloverdale Gage
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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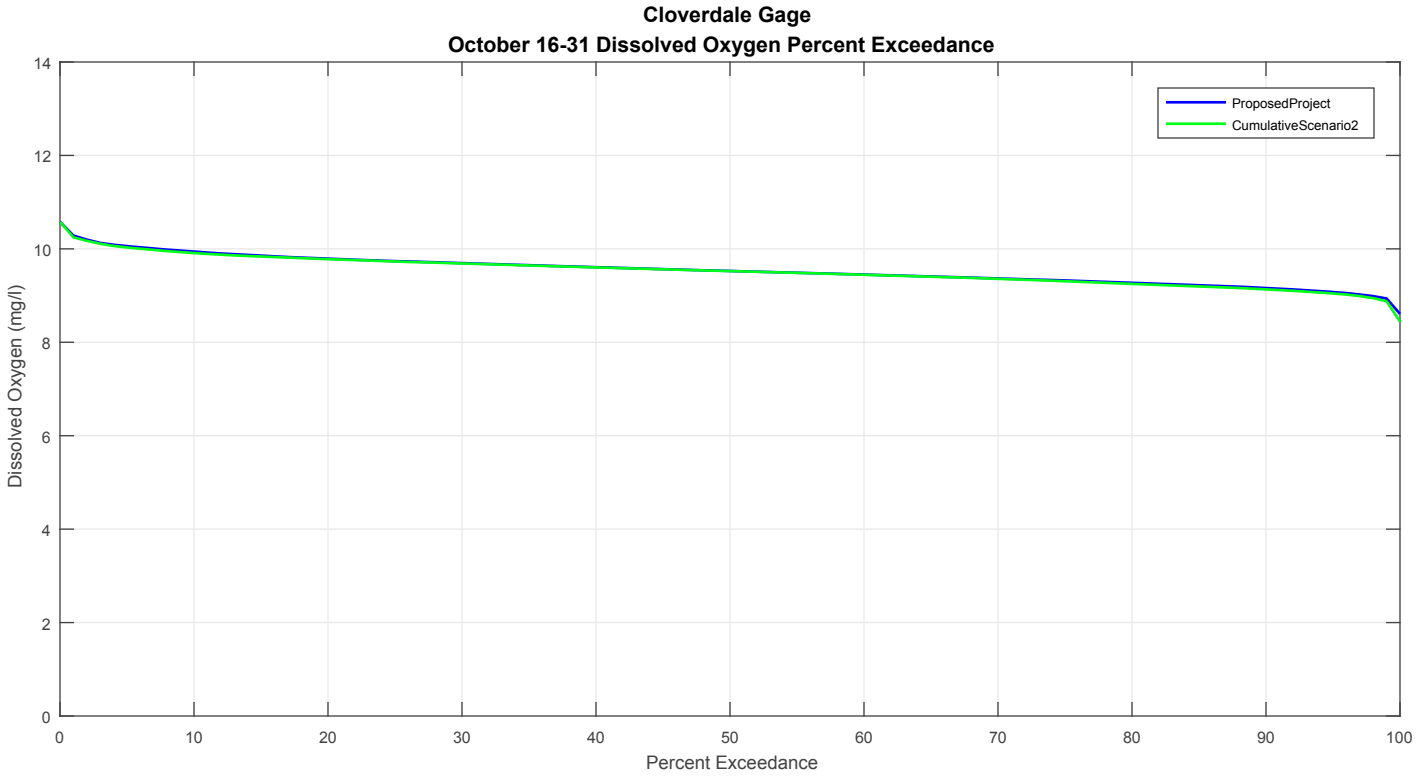
Cloverdale Gage
October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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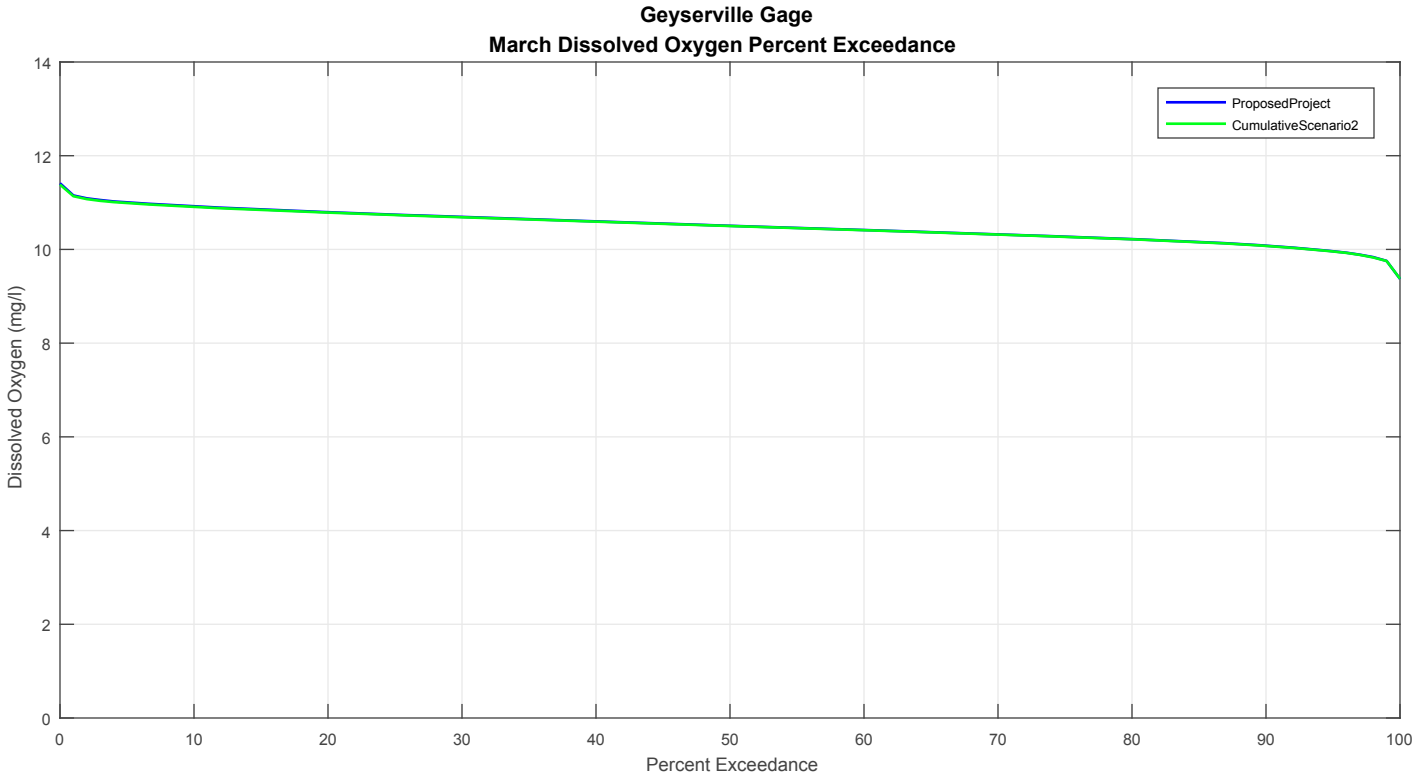
Geyserville Gage
March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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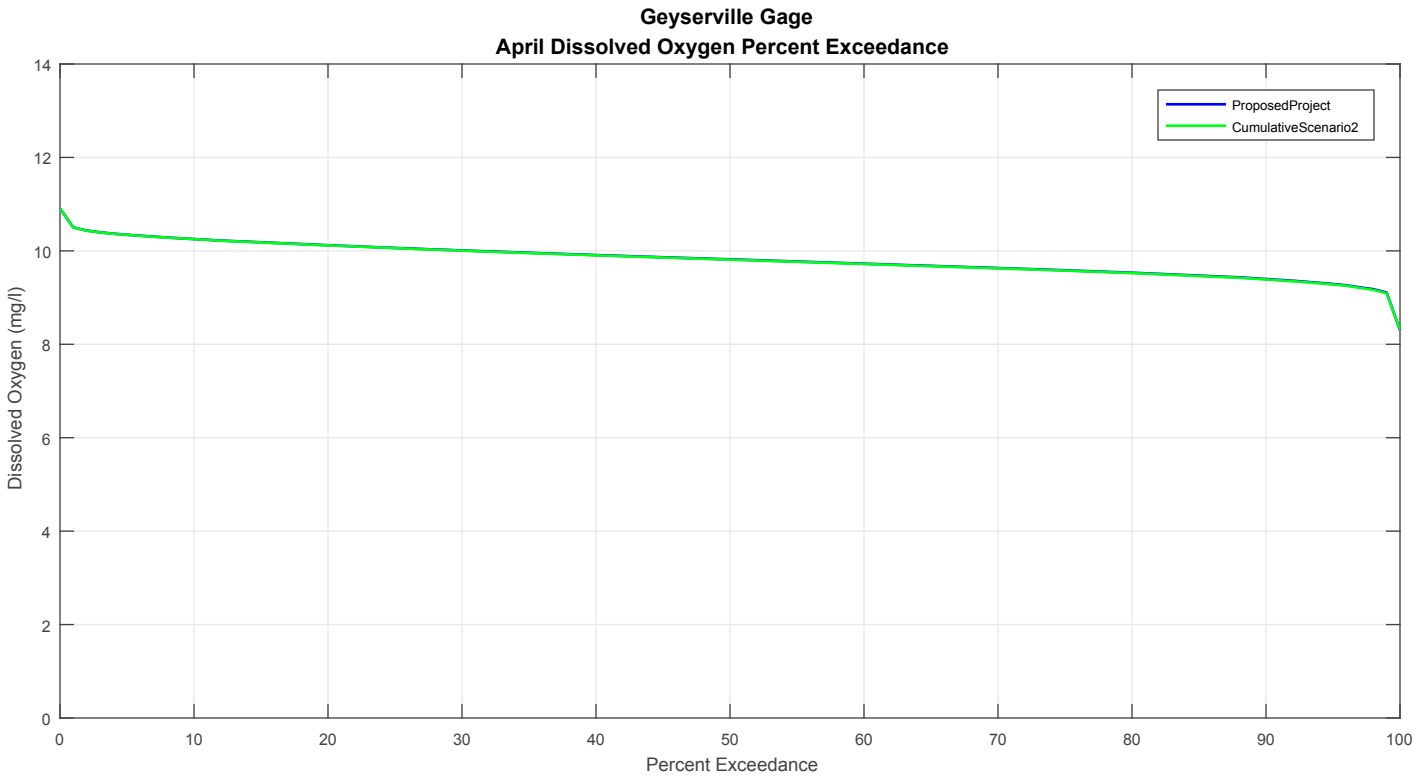
Geyserville Gage
April Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
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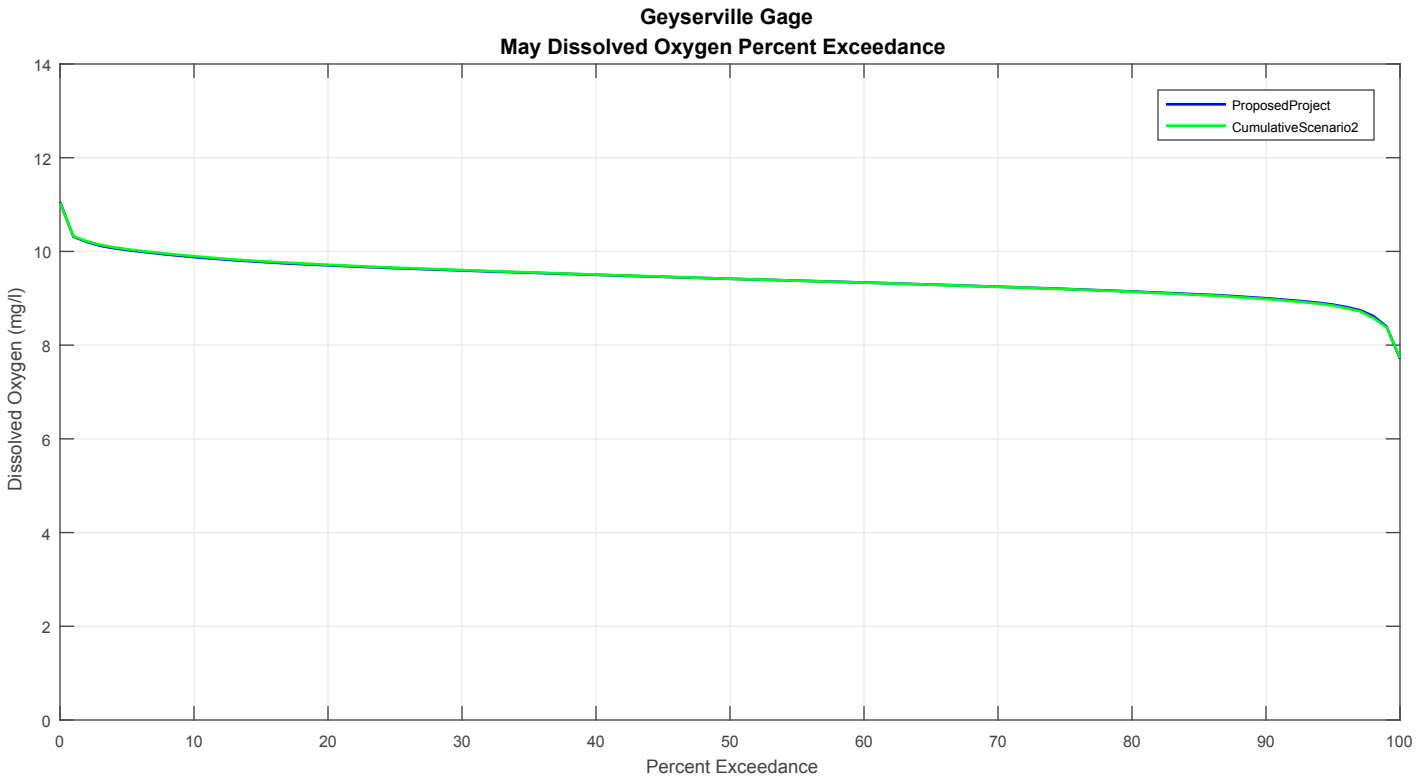
Geyserville Gage
May Dissolved Oxygen Percent Exceedance
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Dissolved Oxygen (mg/l)
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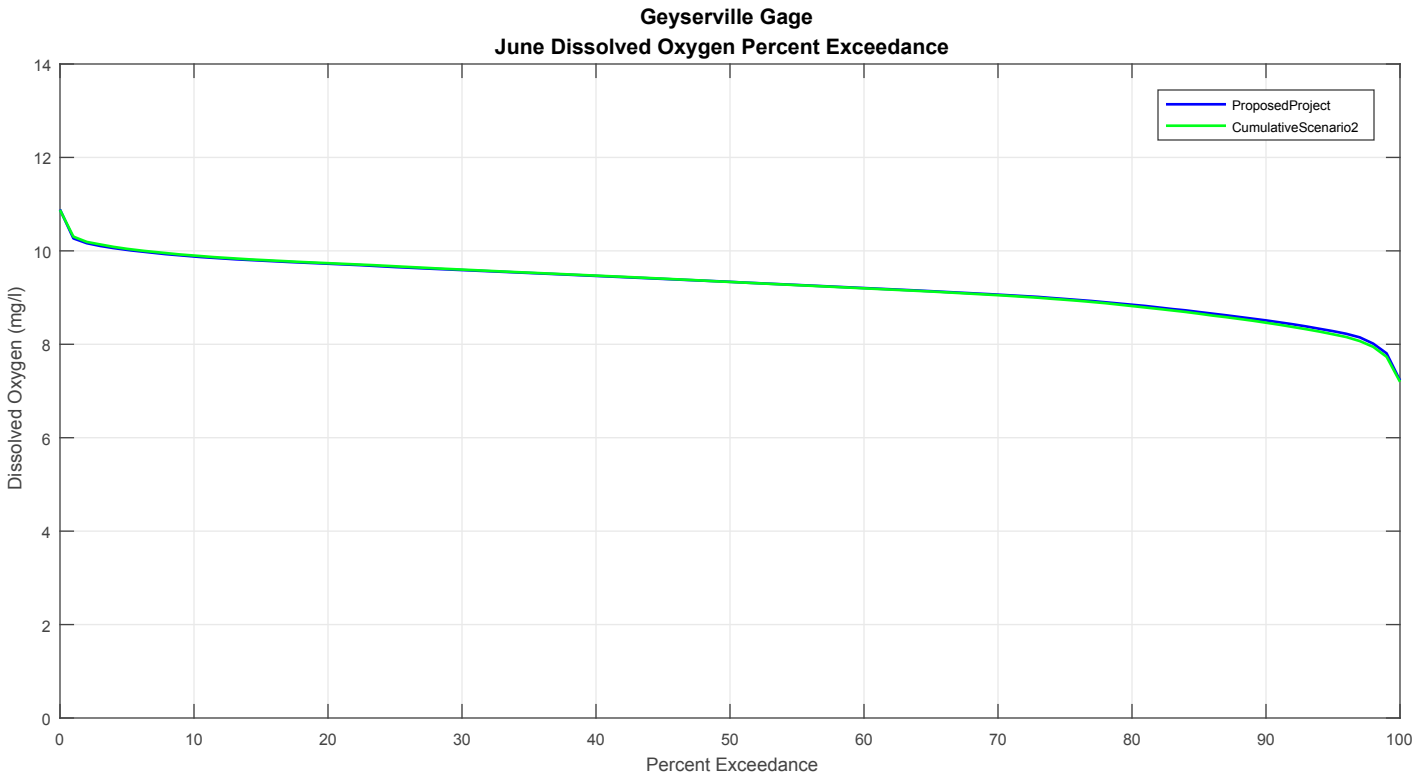
Geyserville Gage
June Dissolved Oxygen Percent Exceedance
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Dissolved Oxygen (mg/l)
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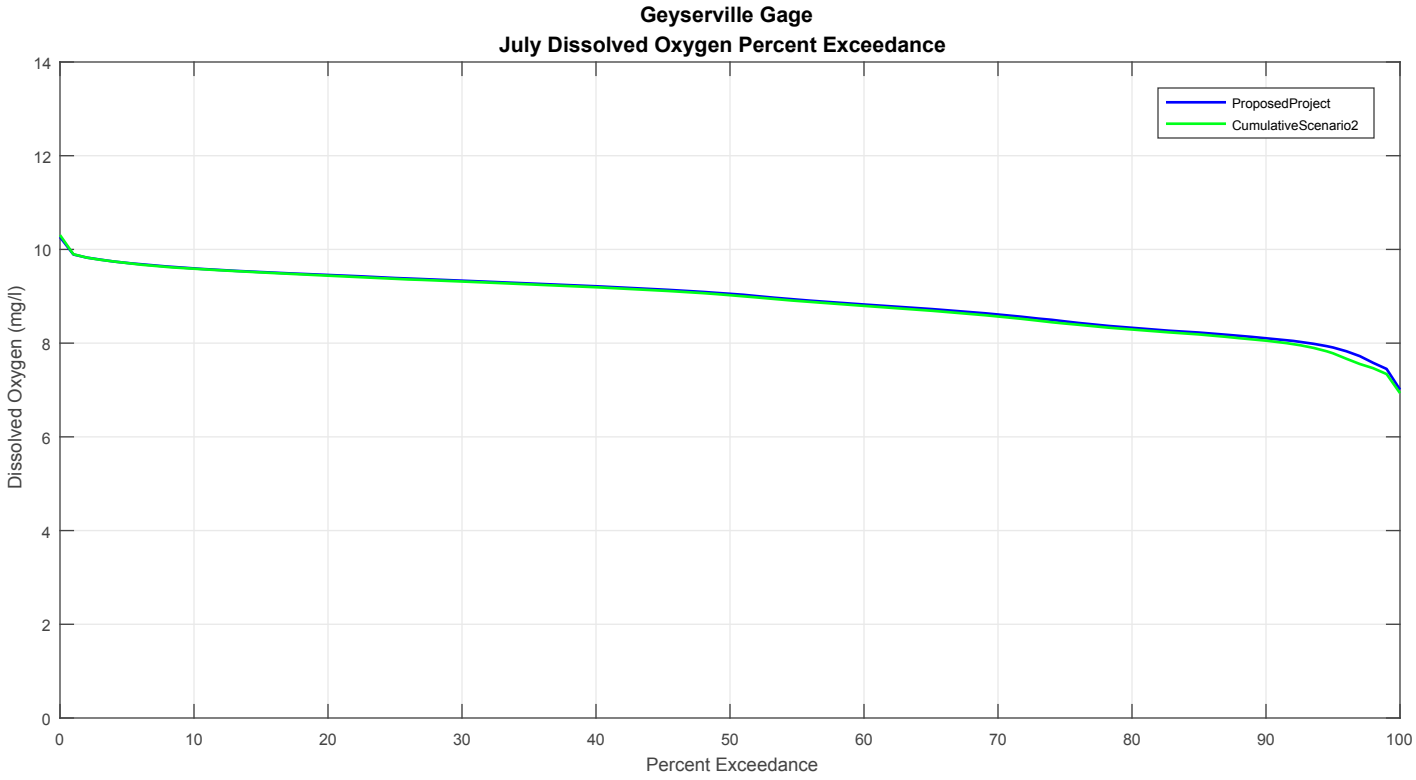
Geyserville Gage
July Dissolved Oxygen Percent Exceedance
ProposedProject
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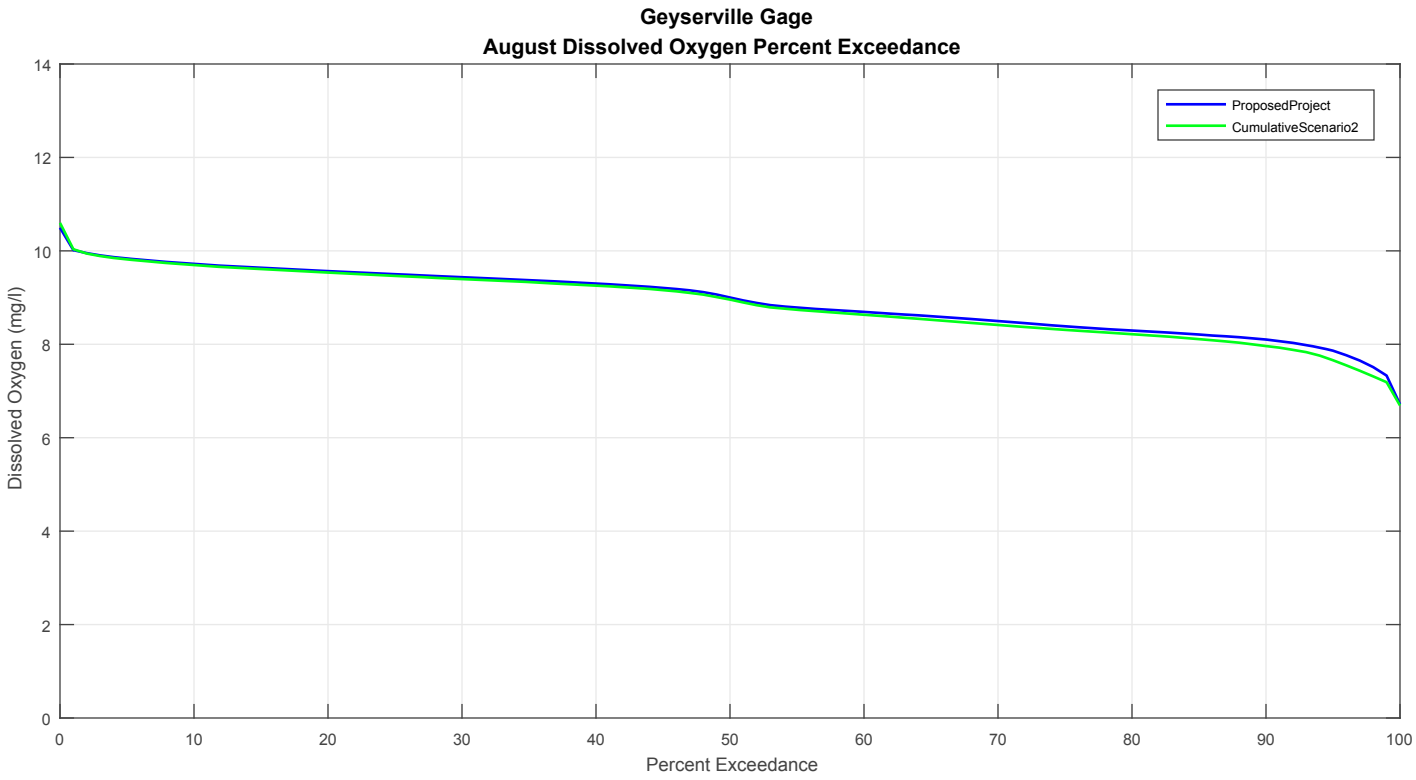
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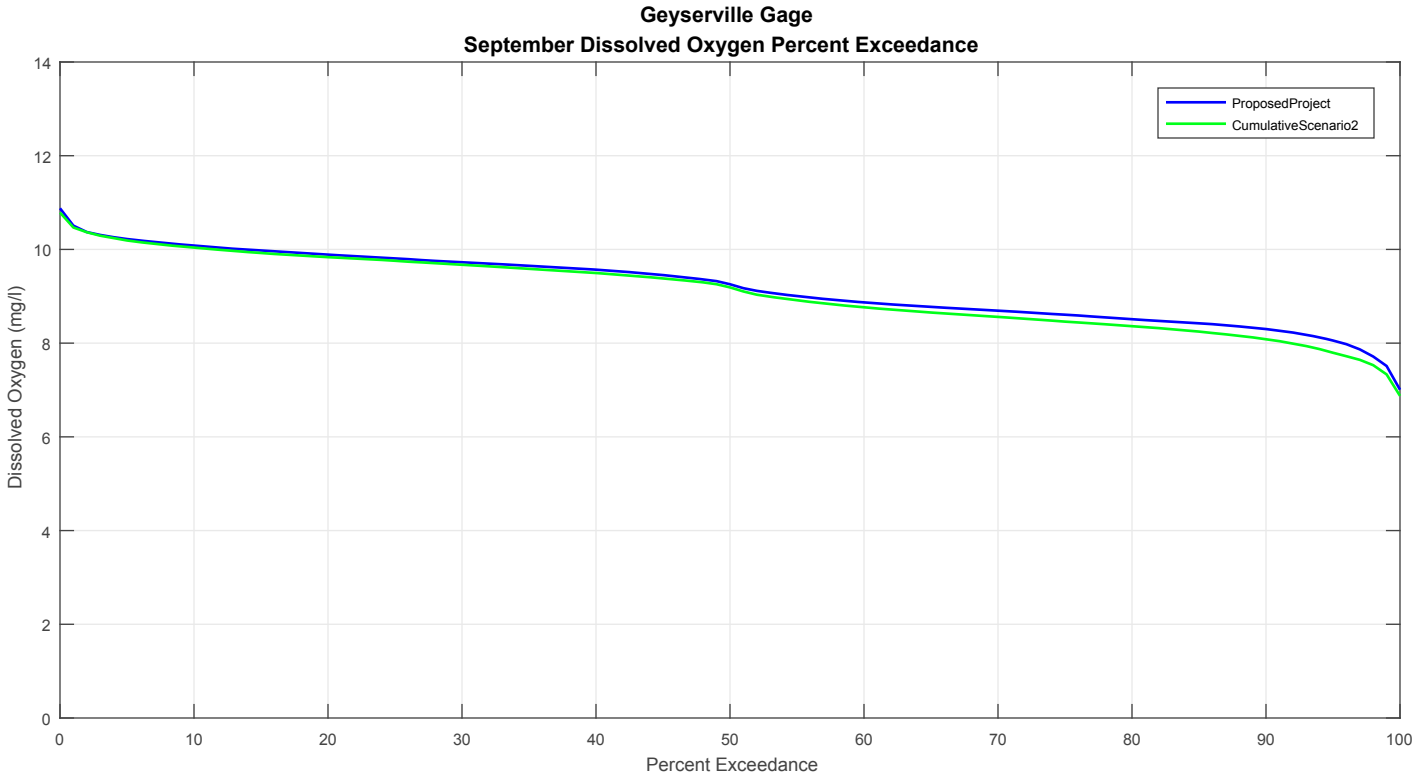
Geyserville Gage
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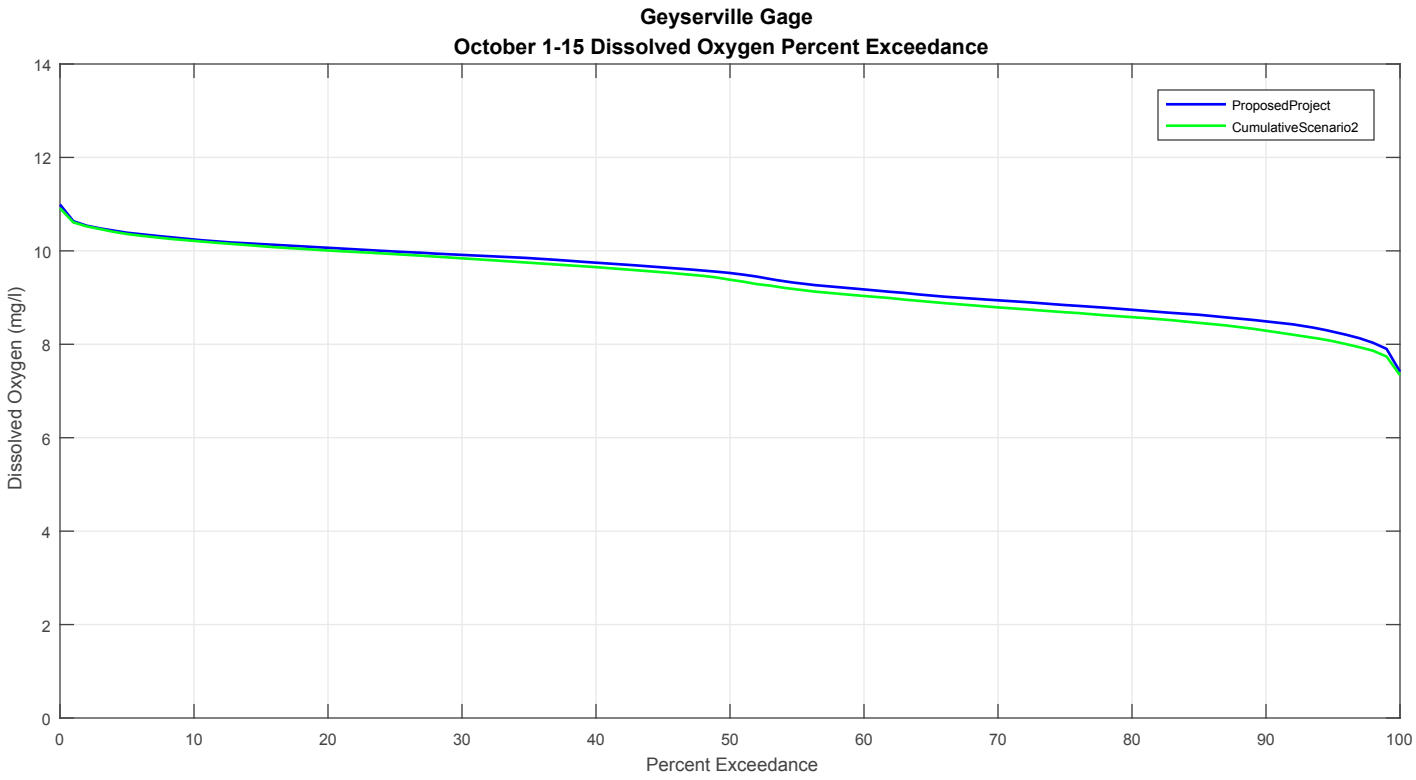
Geyserville Gage
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
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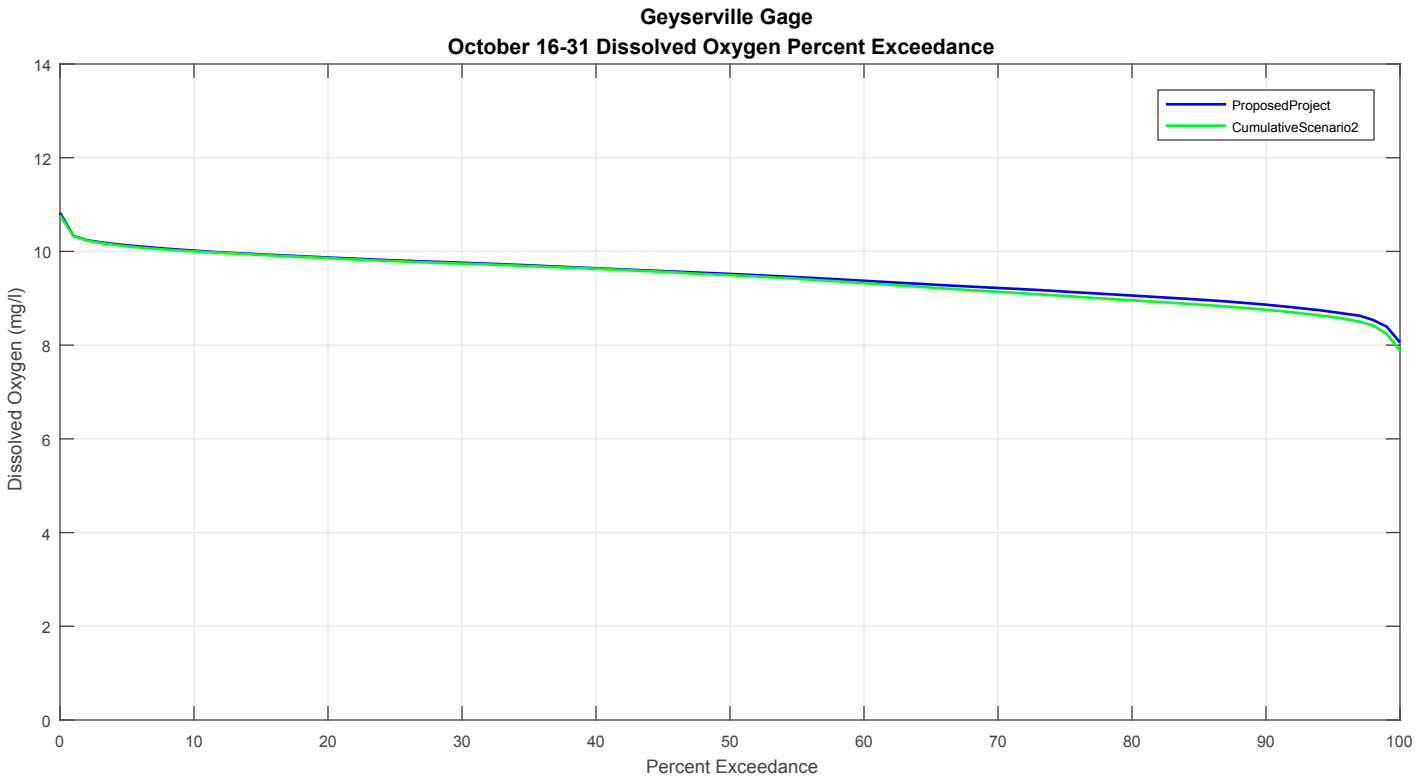
Geyserville Gage
October 16-31 Dissolved Oxygen Percent Exceedance
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CumulativeScenario2
Dissolved Oxygen (mg/l)
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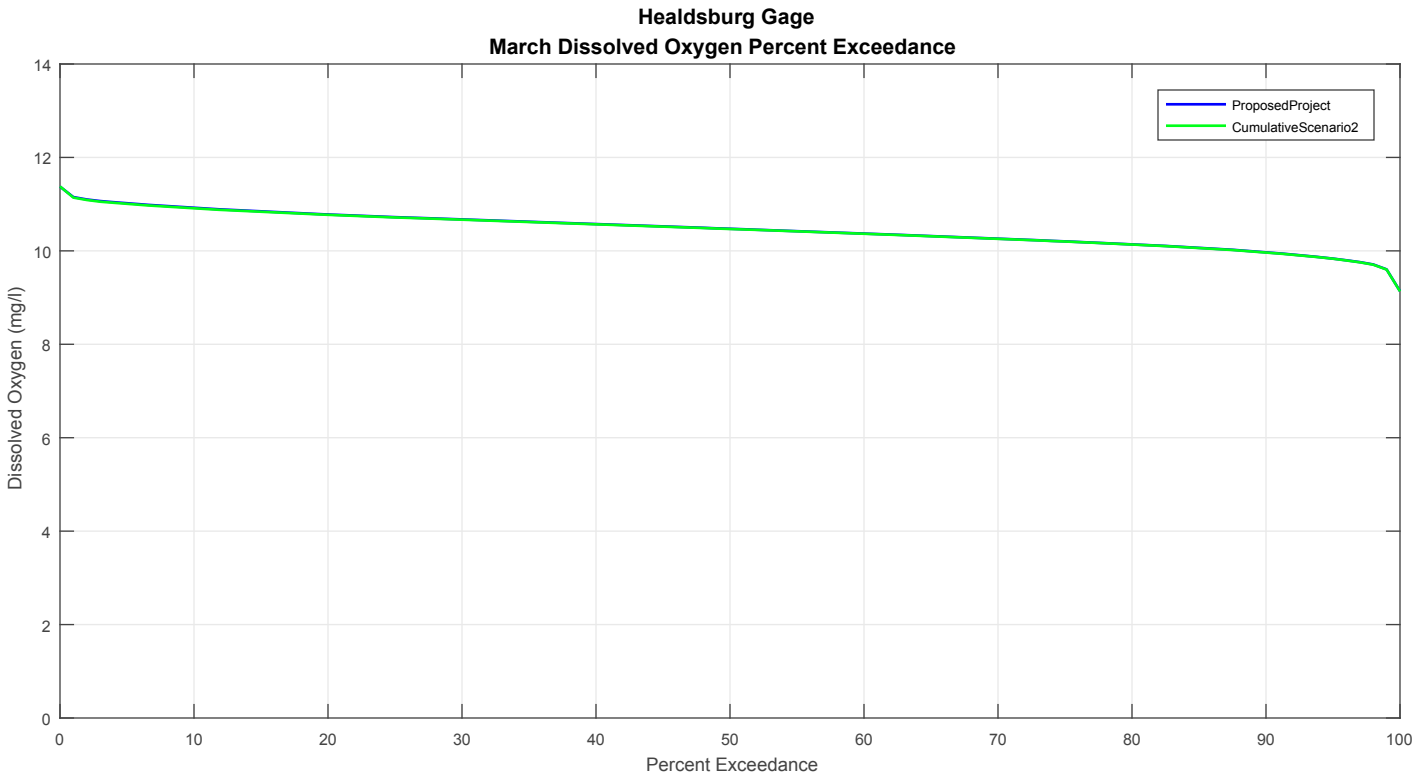
Healdsburg Gage
March Dissolved Oxygen Percent Exceedance
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Dissolved Oxygen (mg/l)
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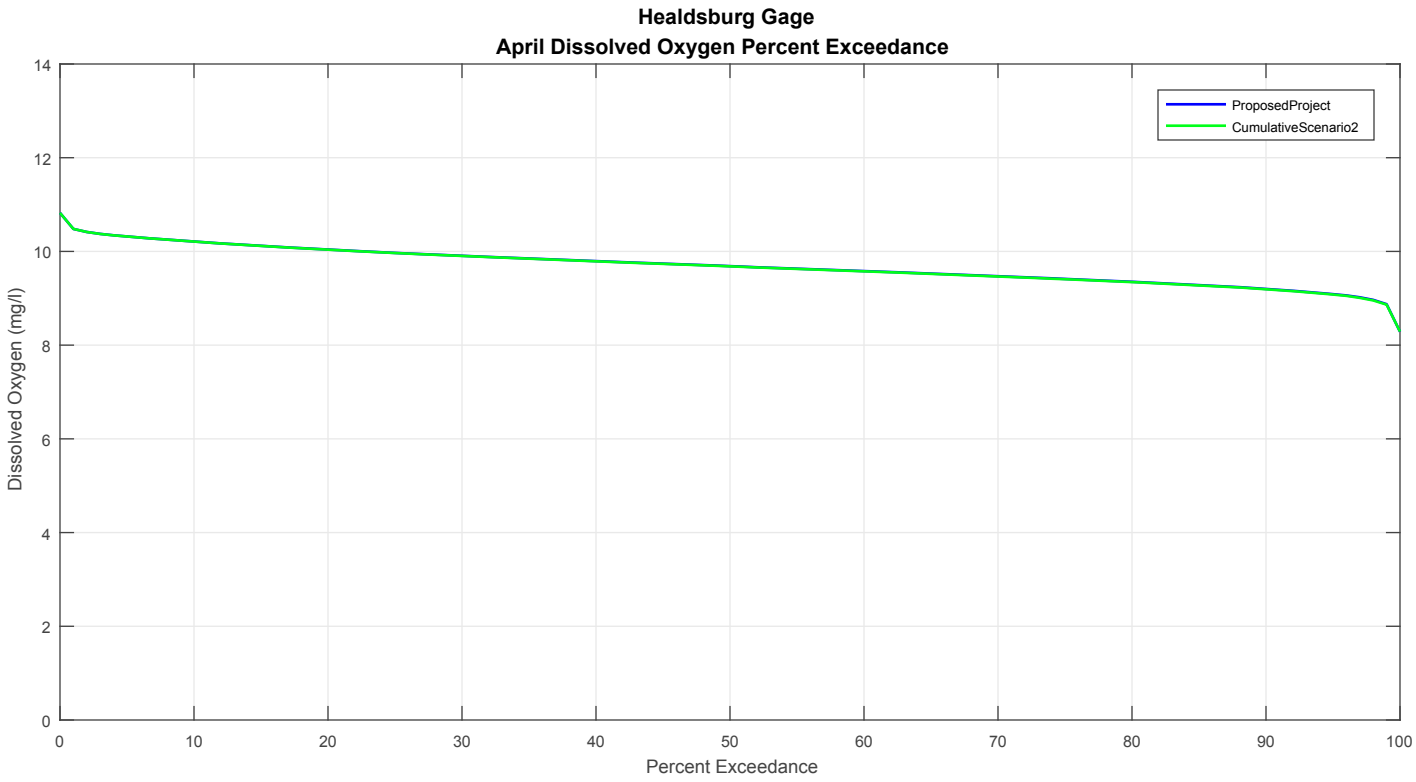
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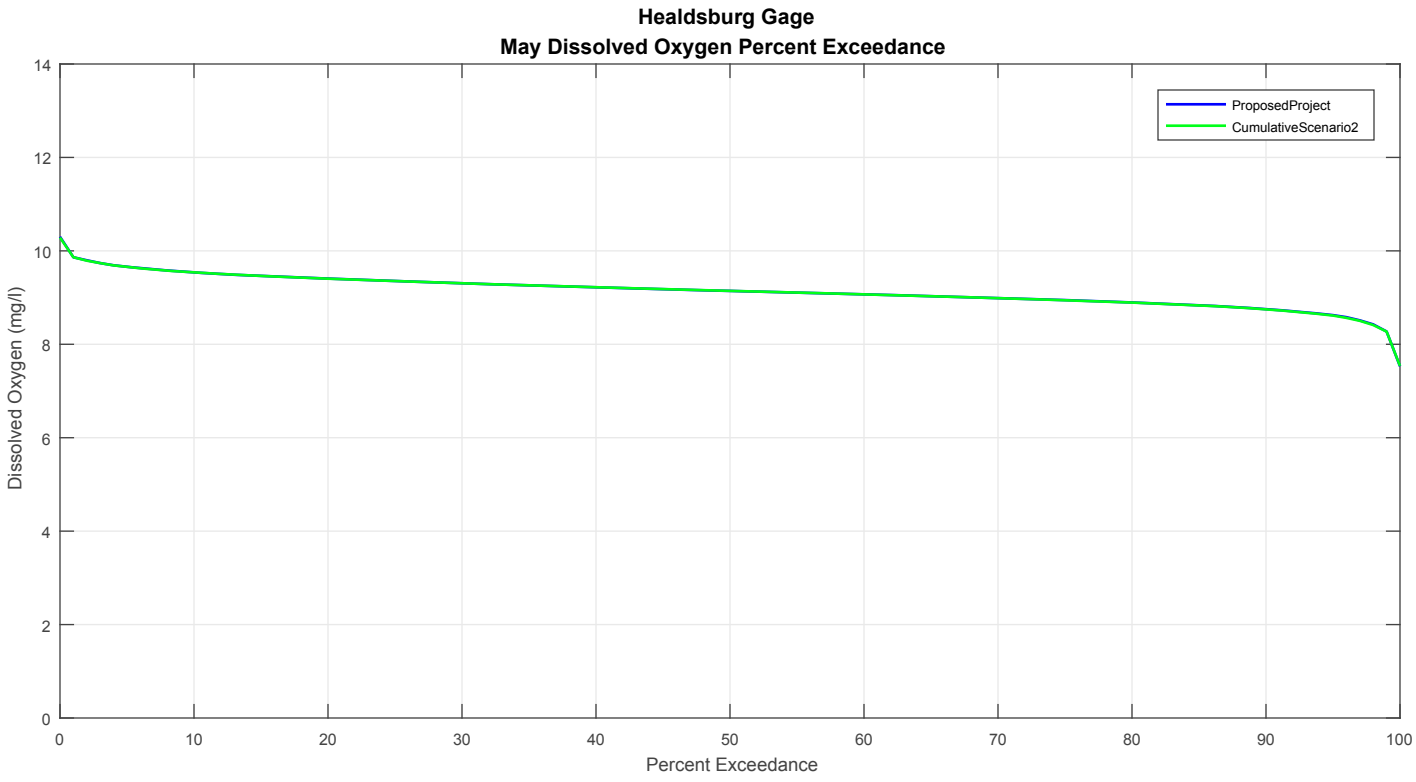
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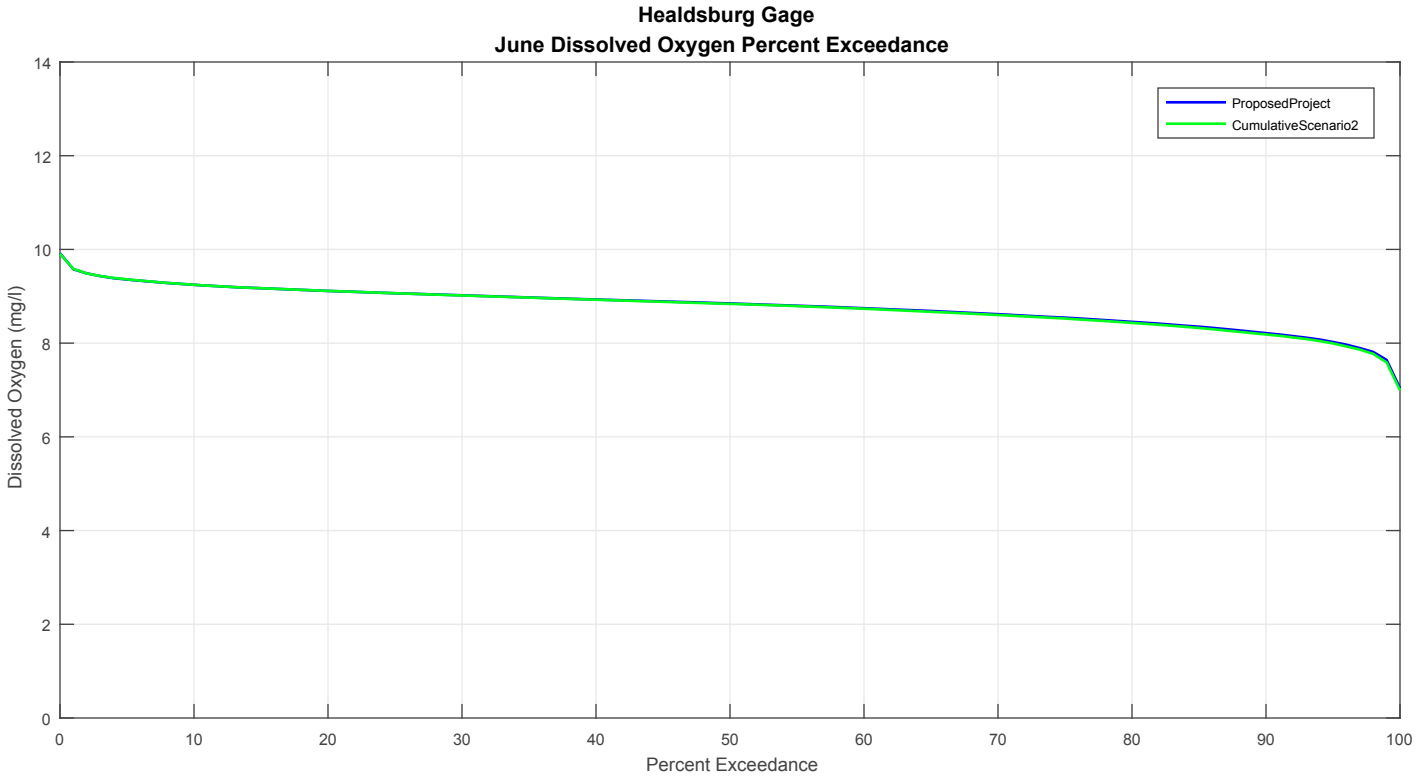
Healdsburg Gage
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ProposedProject
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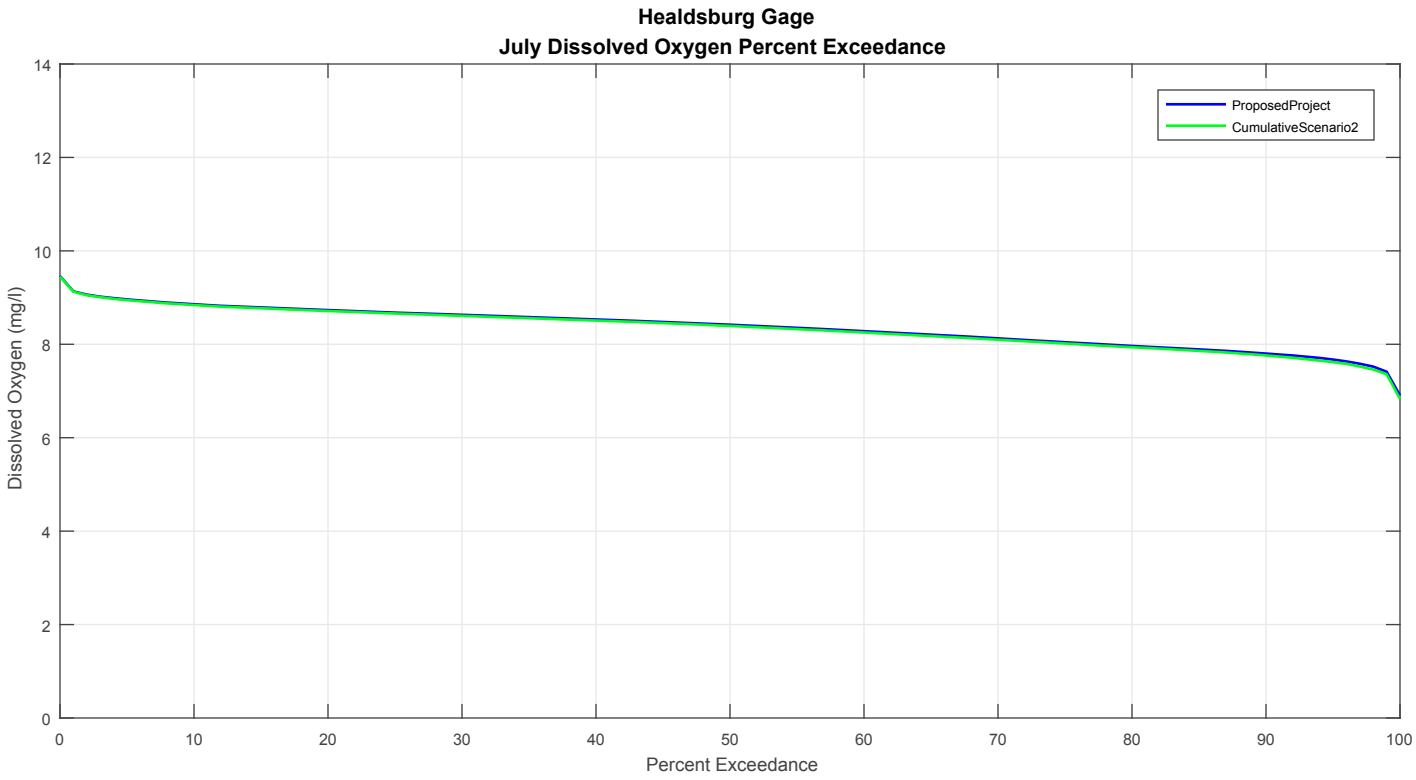
Healdsburg Gage
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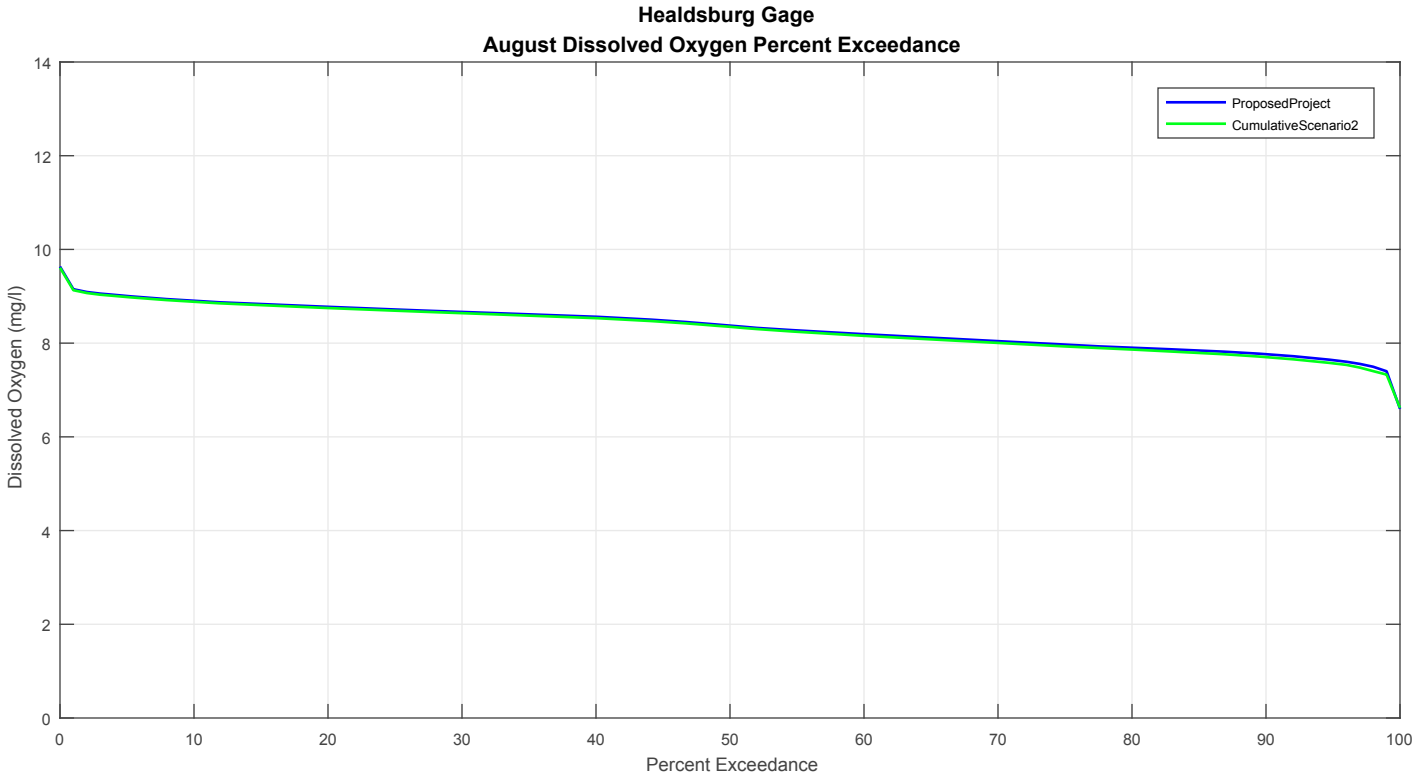
Healdsburg Gage
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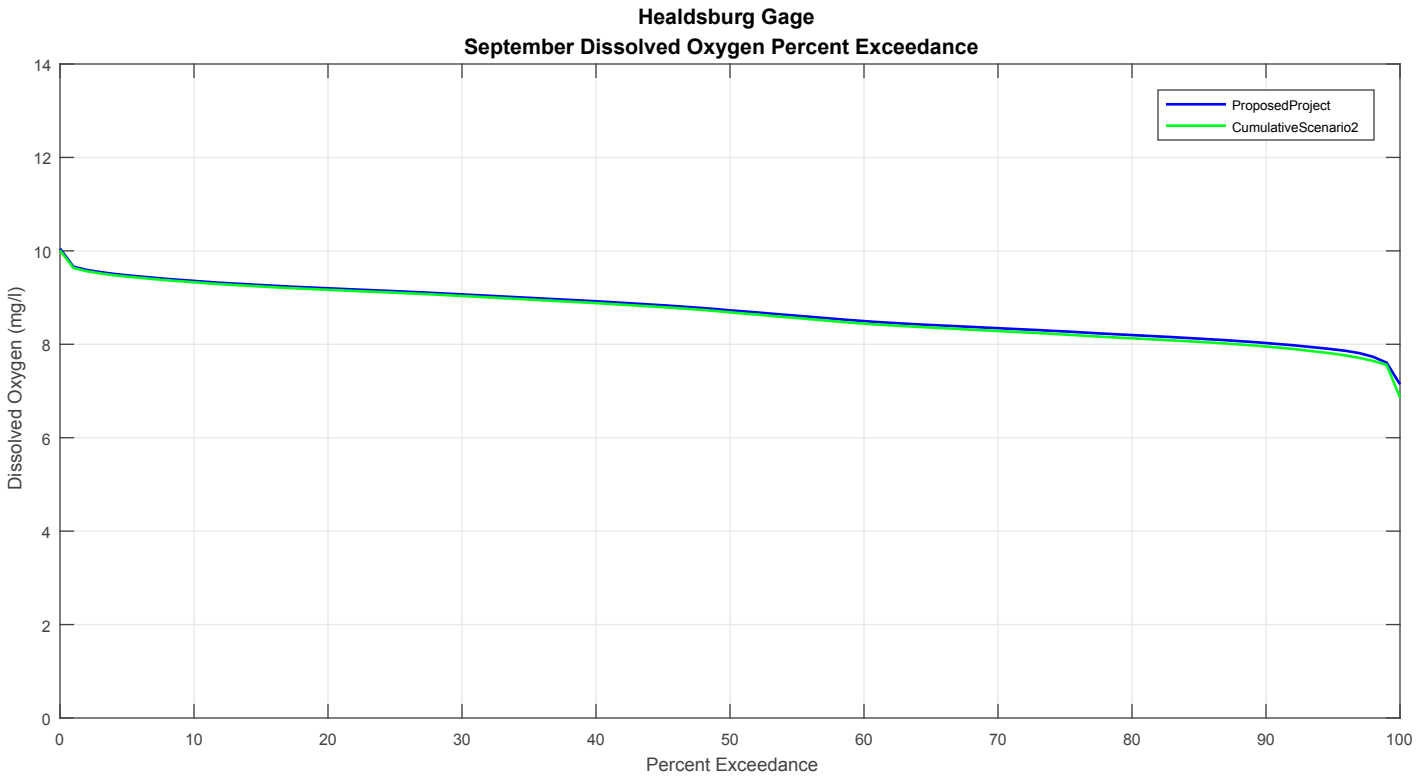
Healdsburg Gage
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ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
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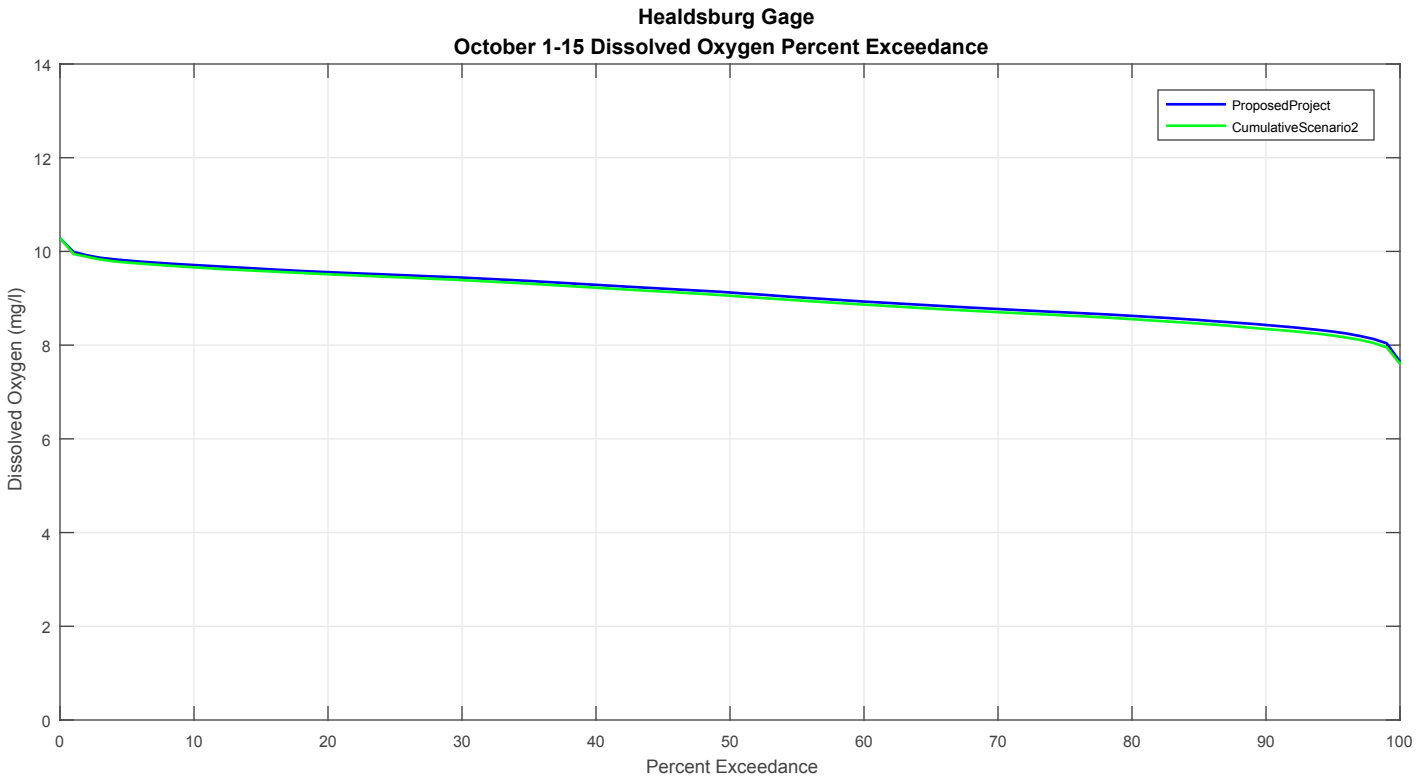
Healdsburg Gage
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
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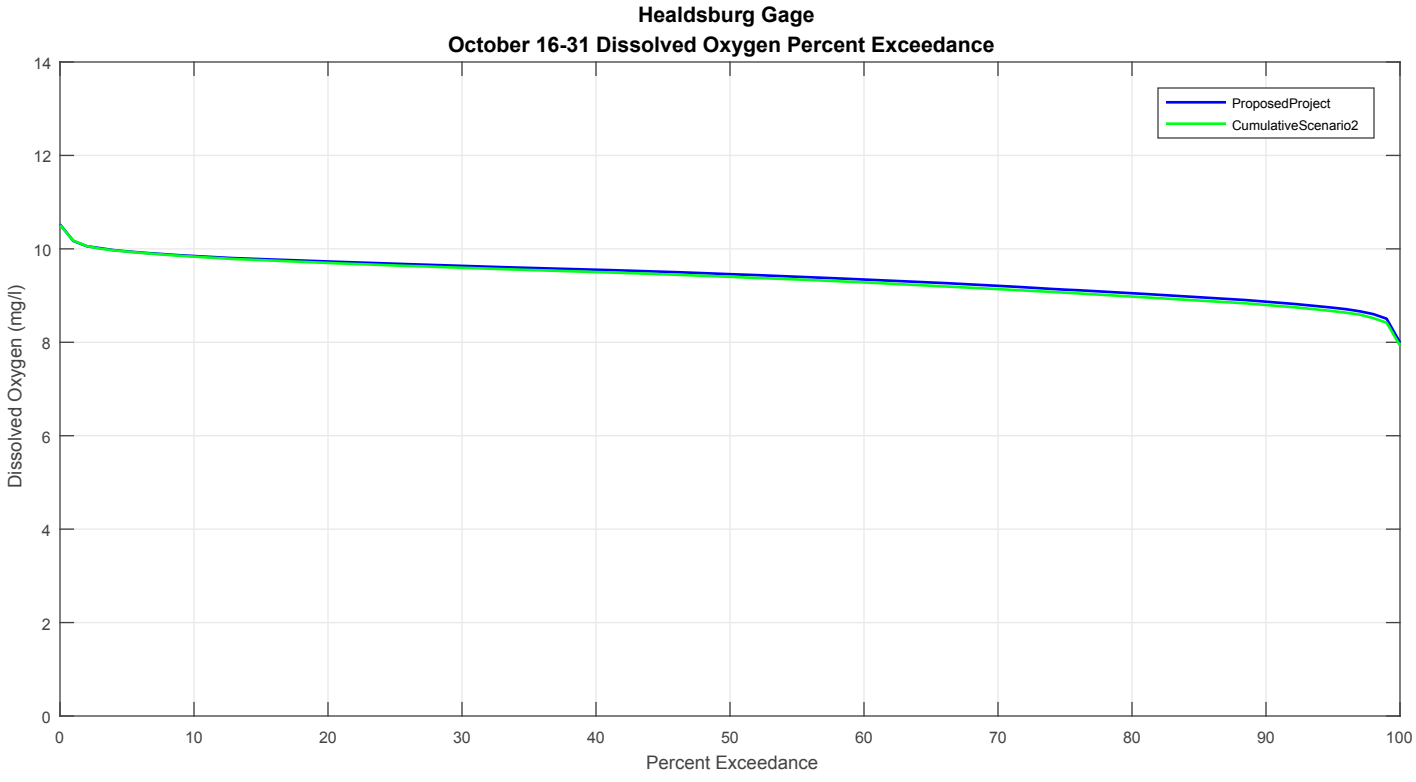
Healdsburg Gage
October 16-31 Dissolved Oxygen Percent Exceedance
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CumulativeScenario2
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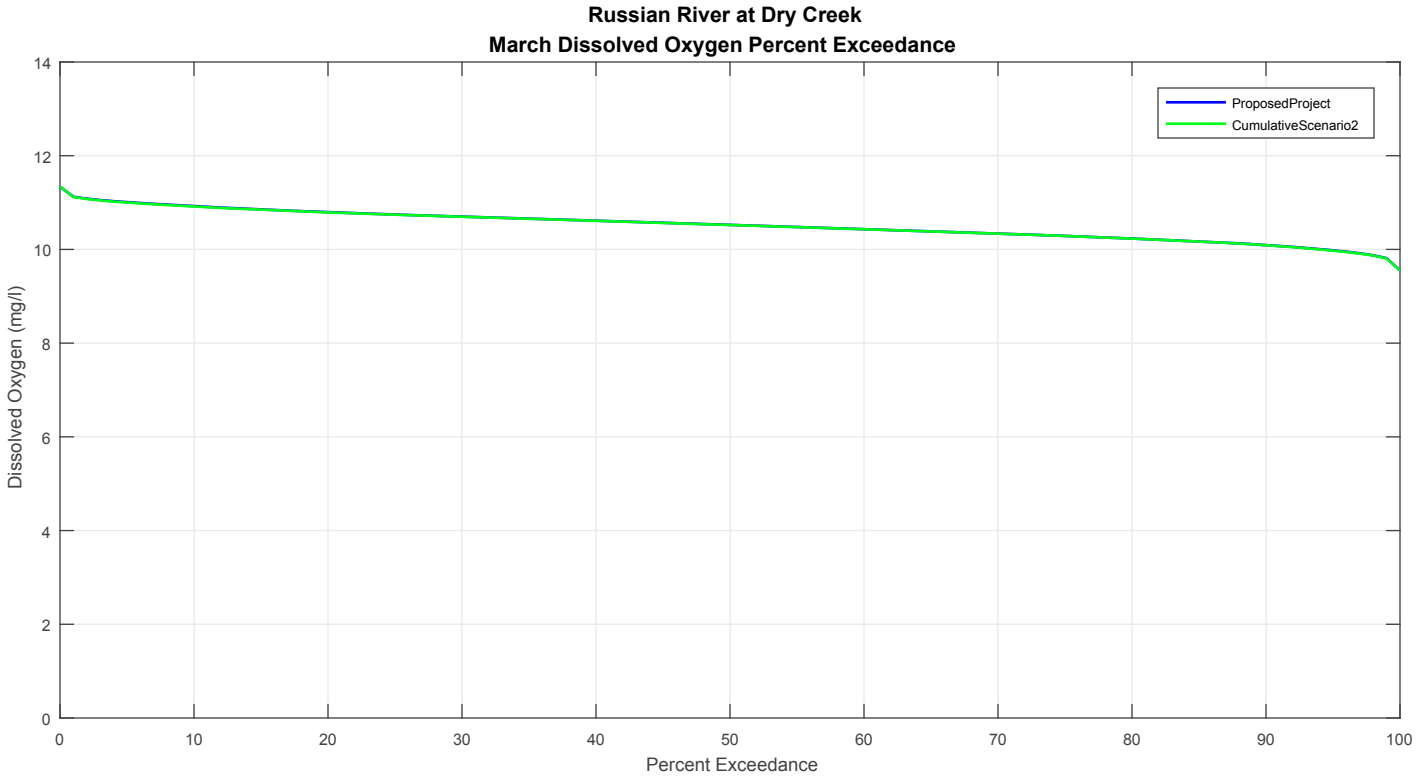
Russian River at Dry Creek
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CumulativeScenario2
Dissolved Oxygen (mg/l)
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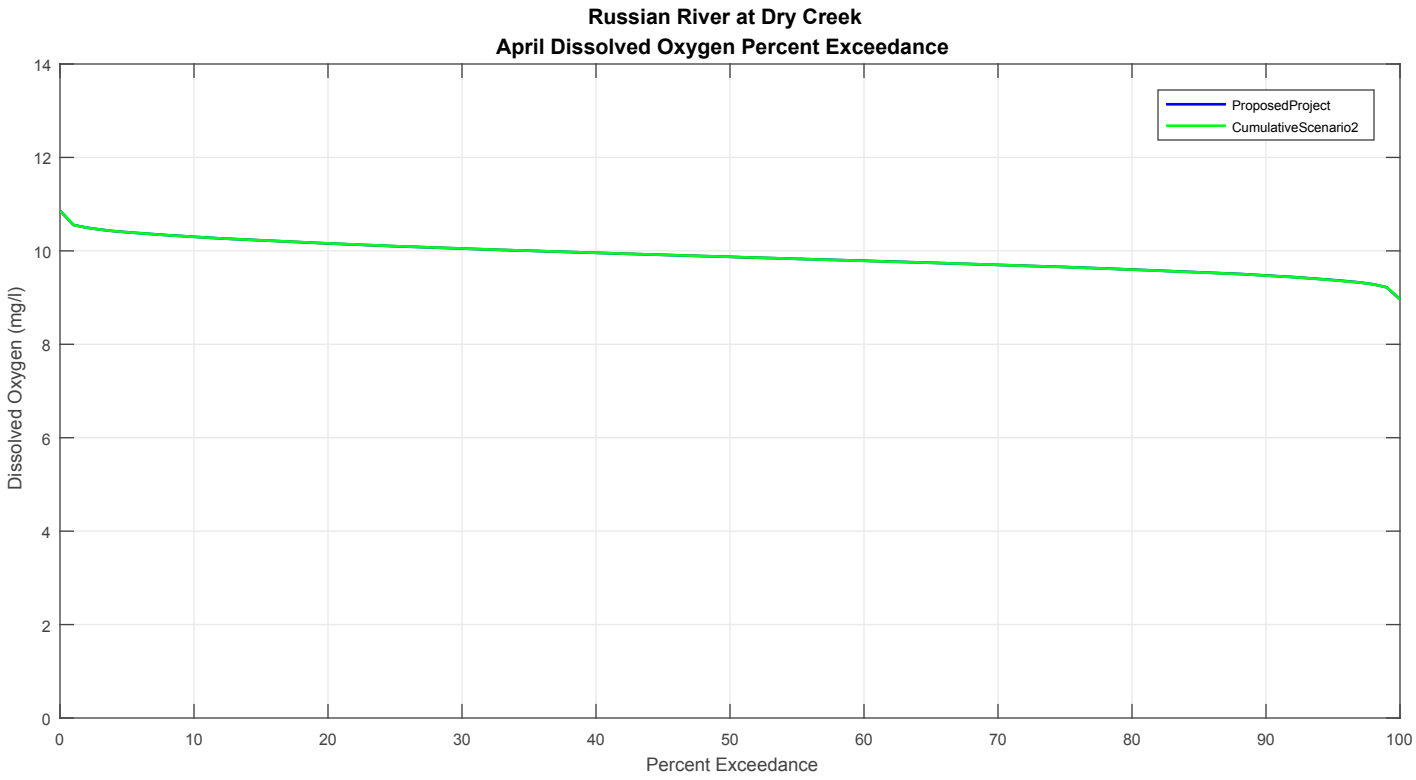
Russian River at Dry Creek
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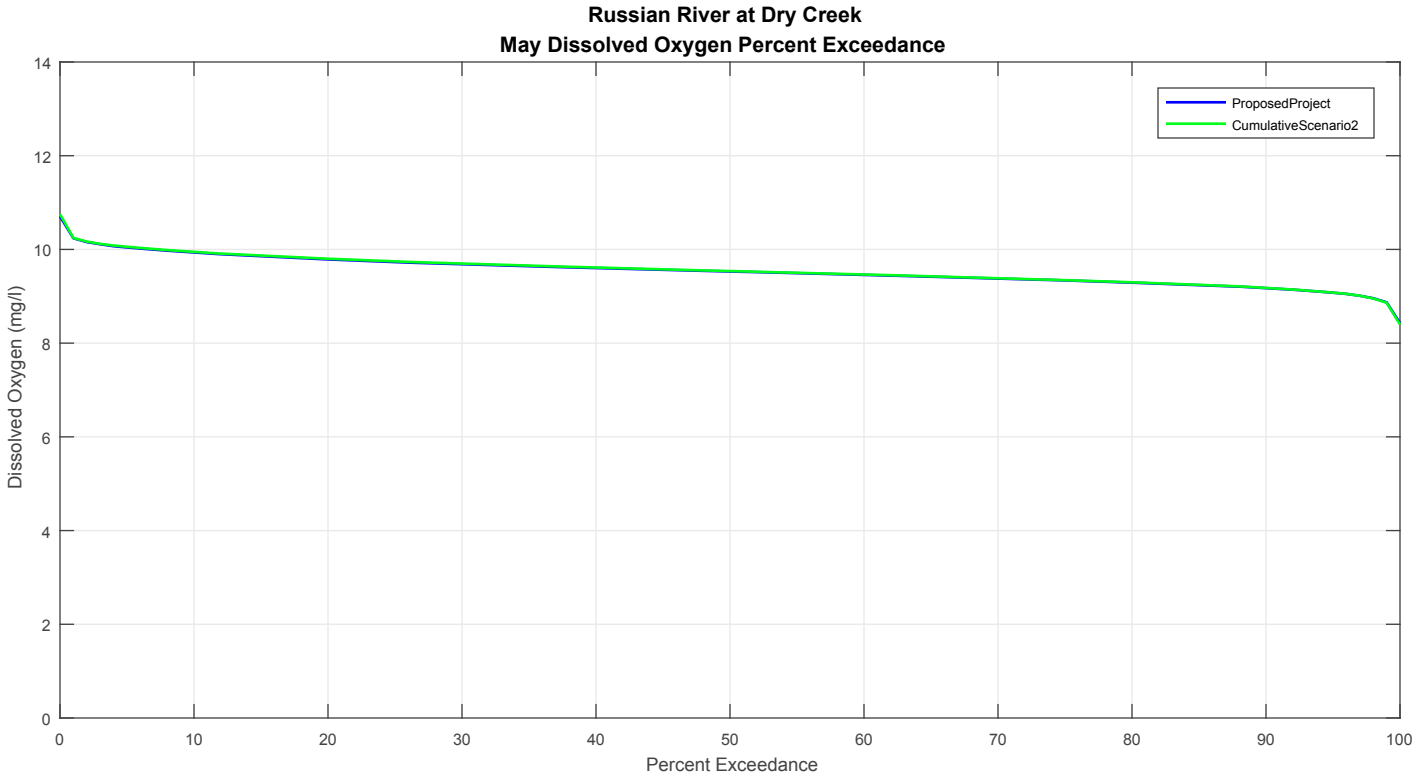
Russian River at Dry Creek
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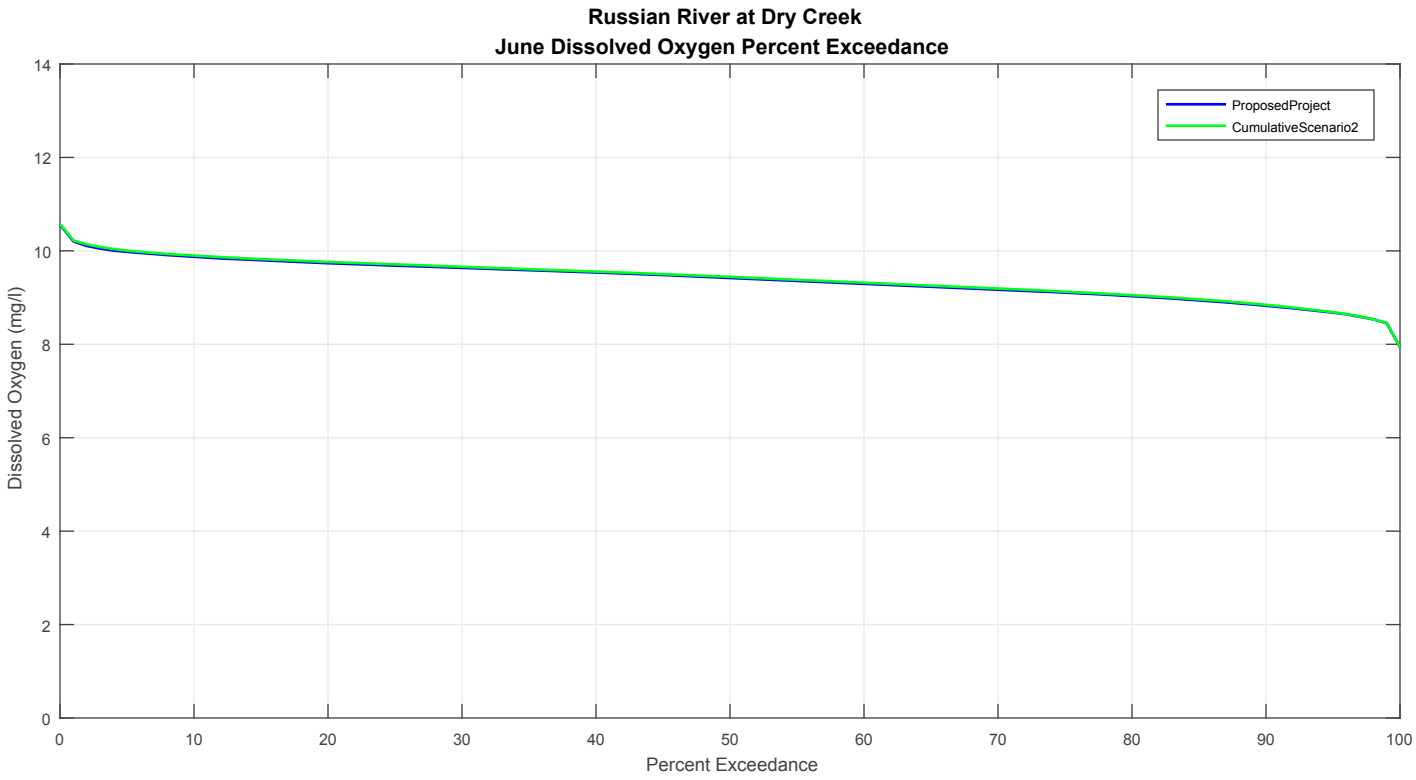
Russian River at Dry Creek
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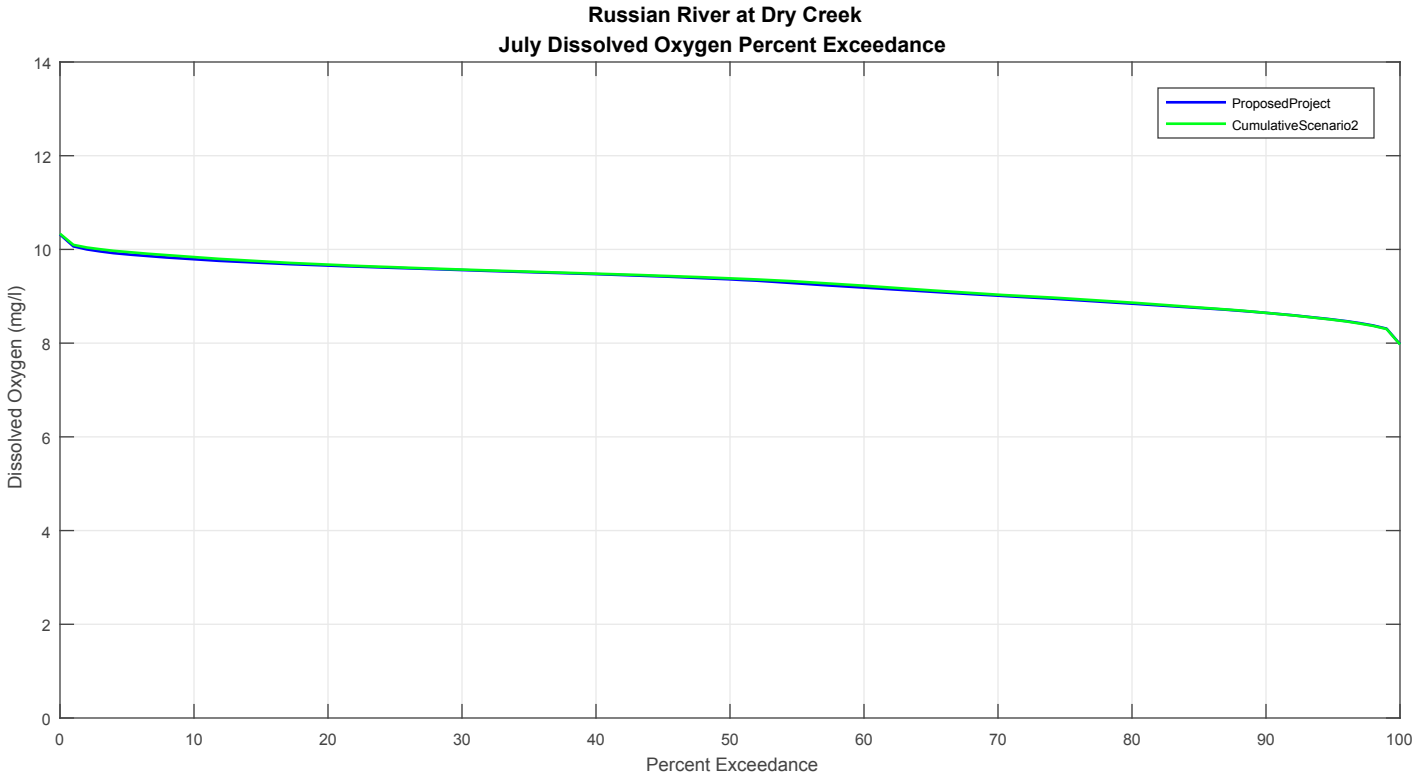
Russian River at Dry Creek
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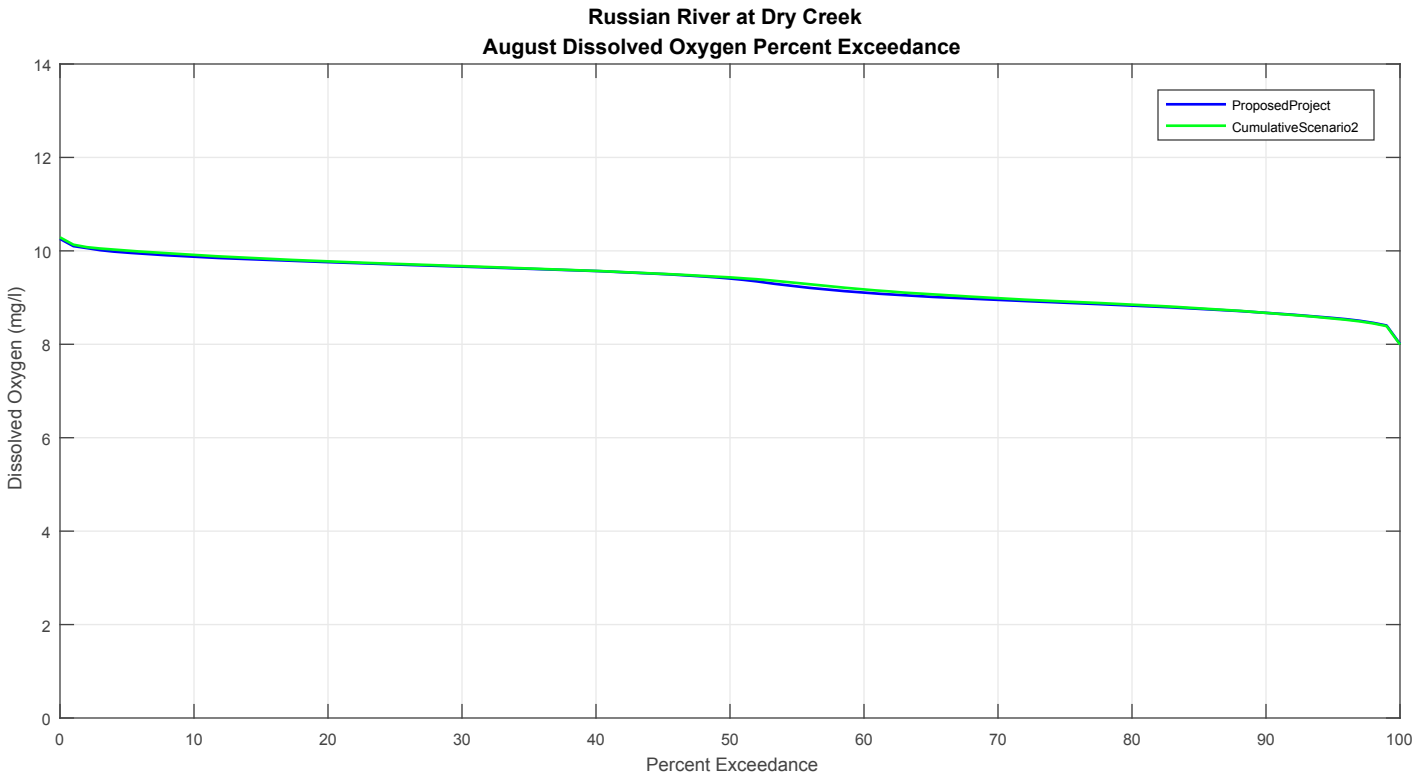
Russian River at Dry Creek
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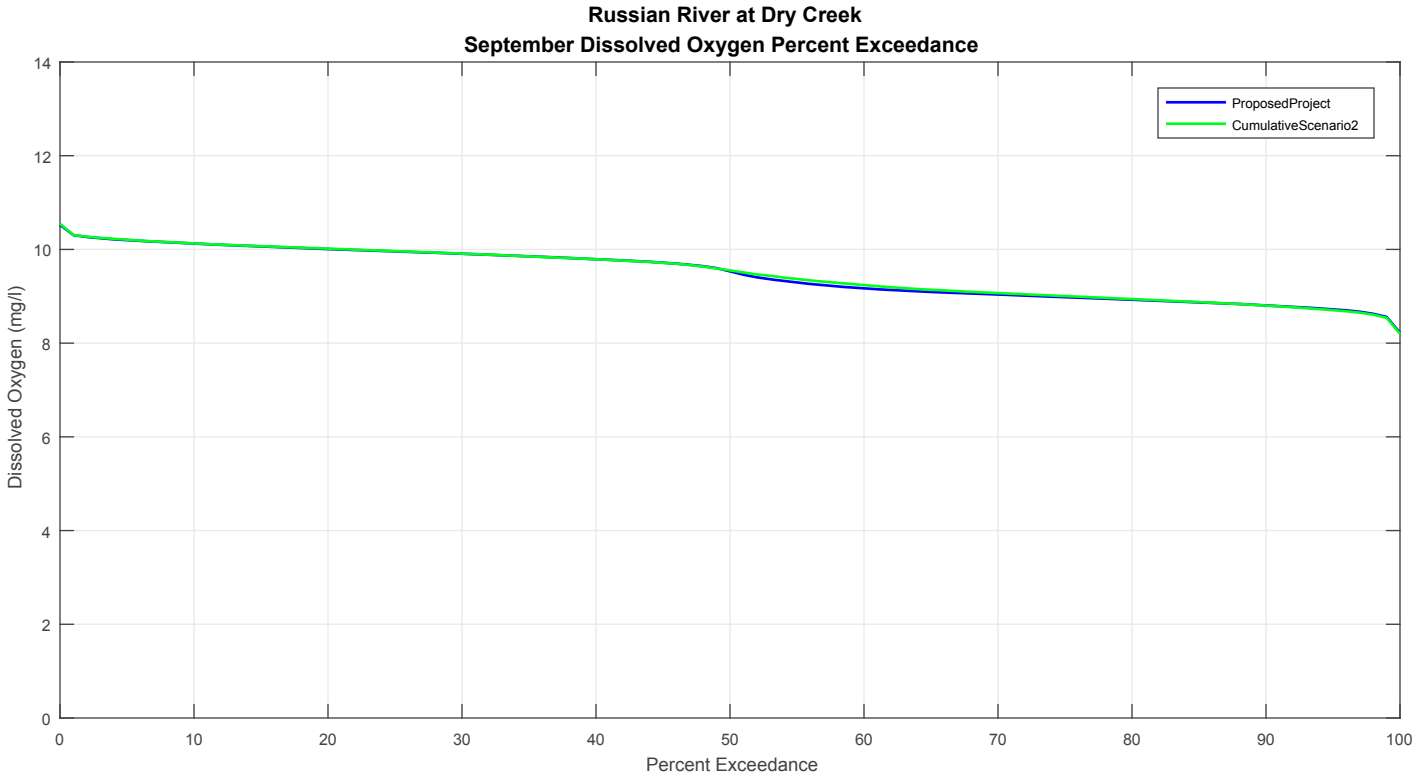
Russian River at Dry Creek
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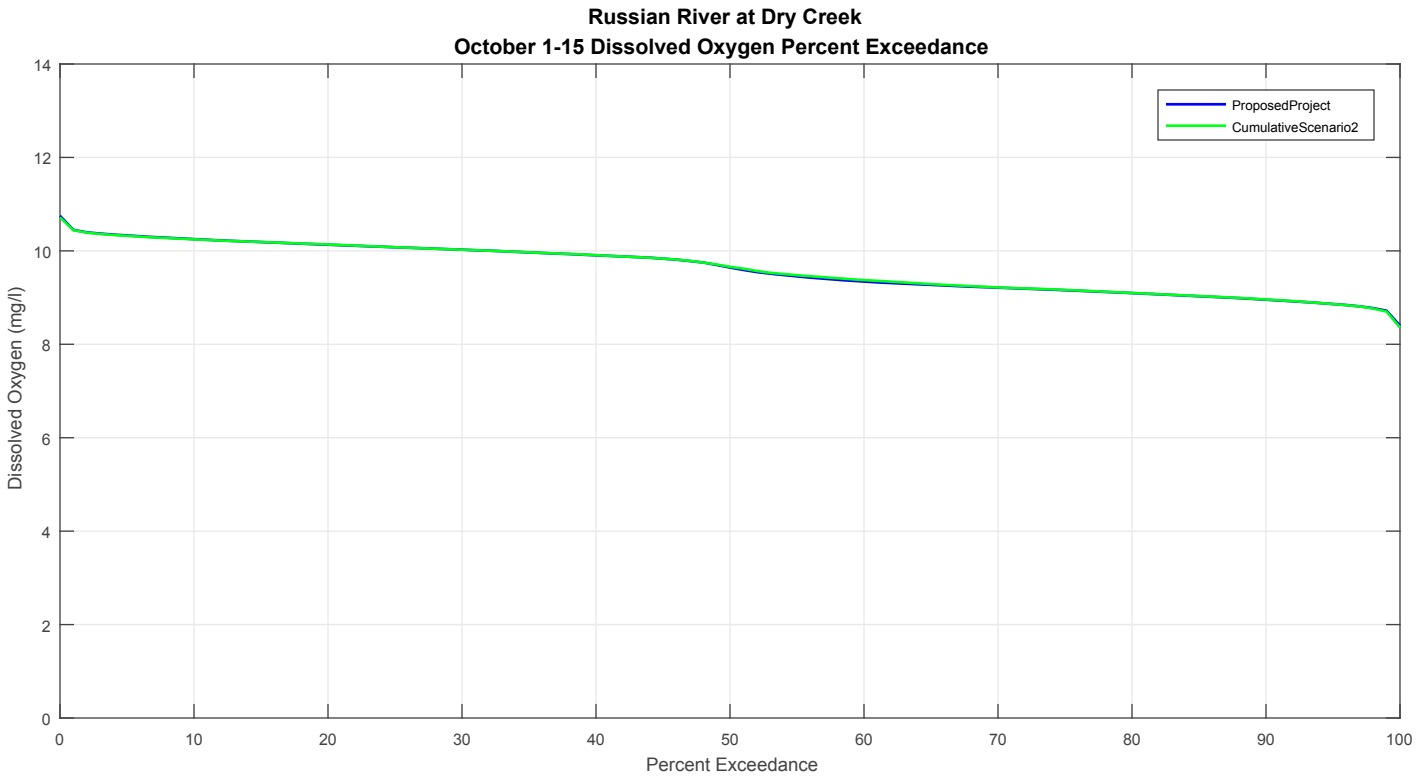
Russian River at Dry Creek
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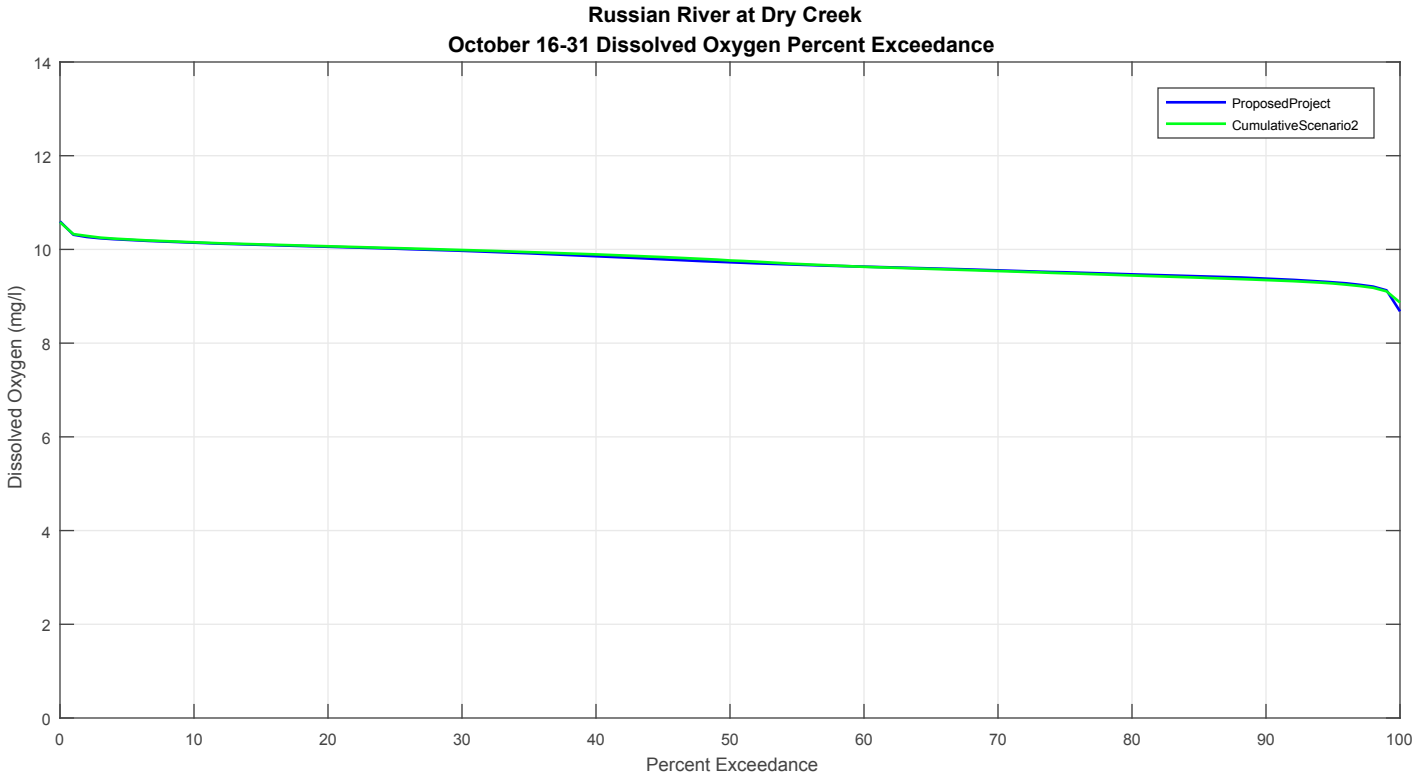
Russian River at Dry Creek
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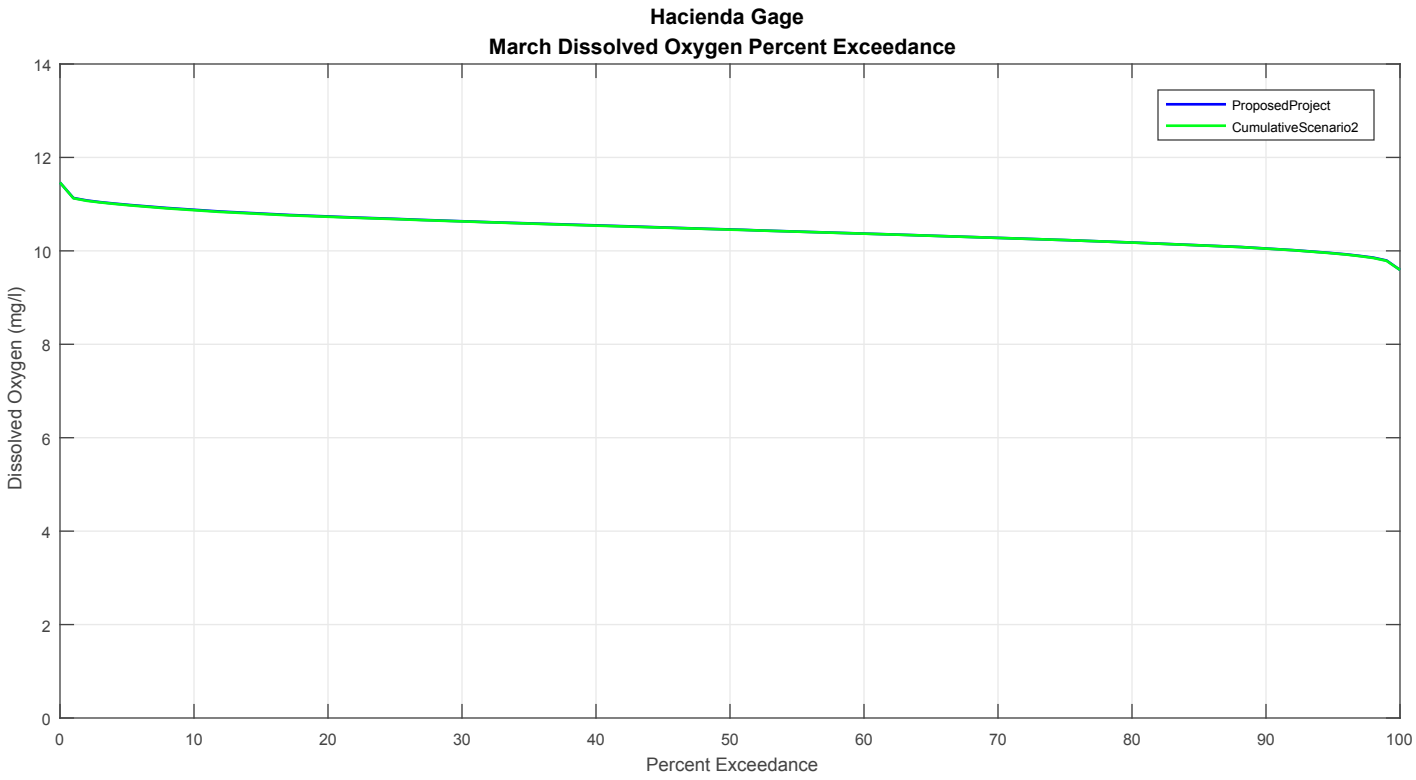
Hacienda Gage
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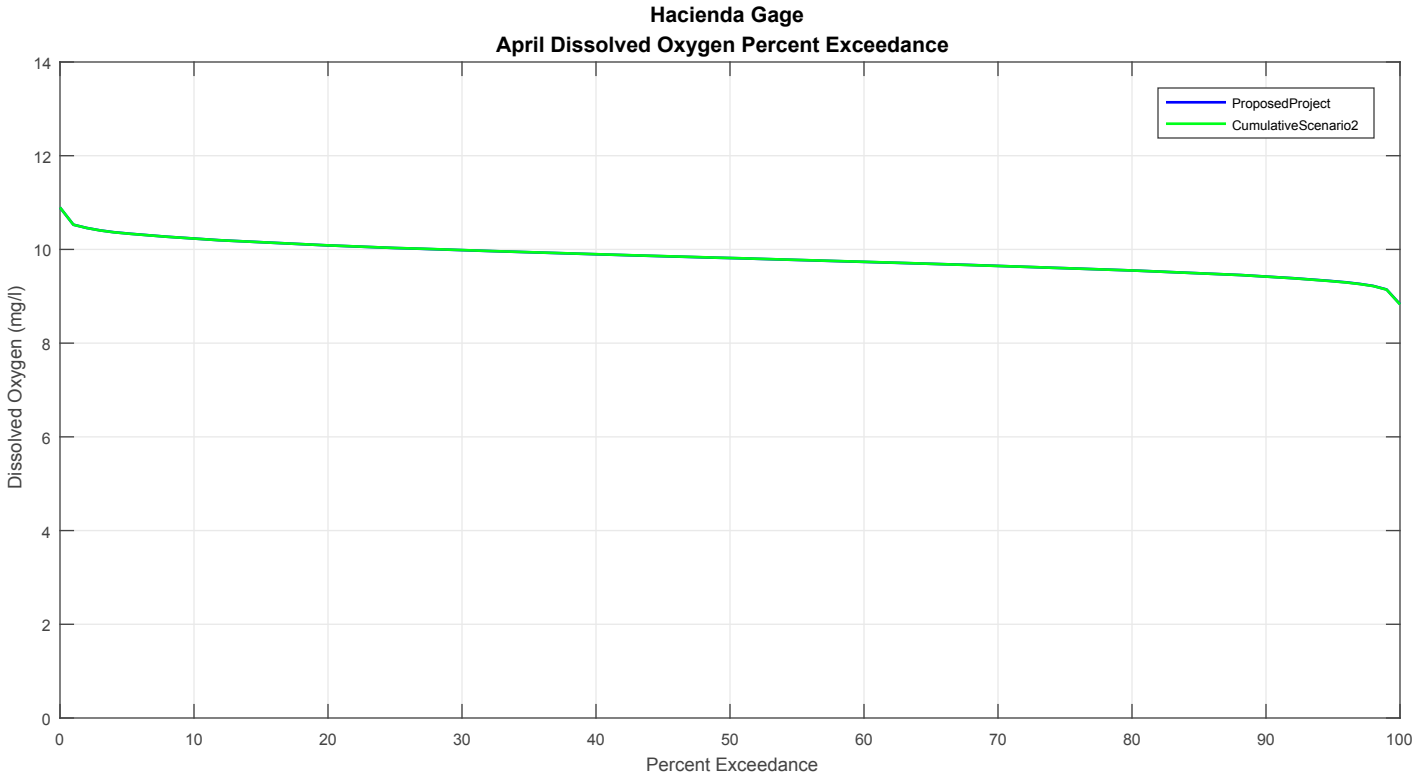
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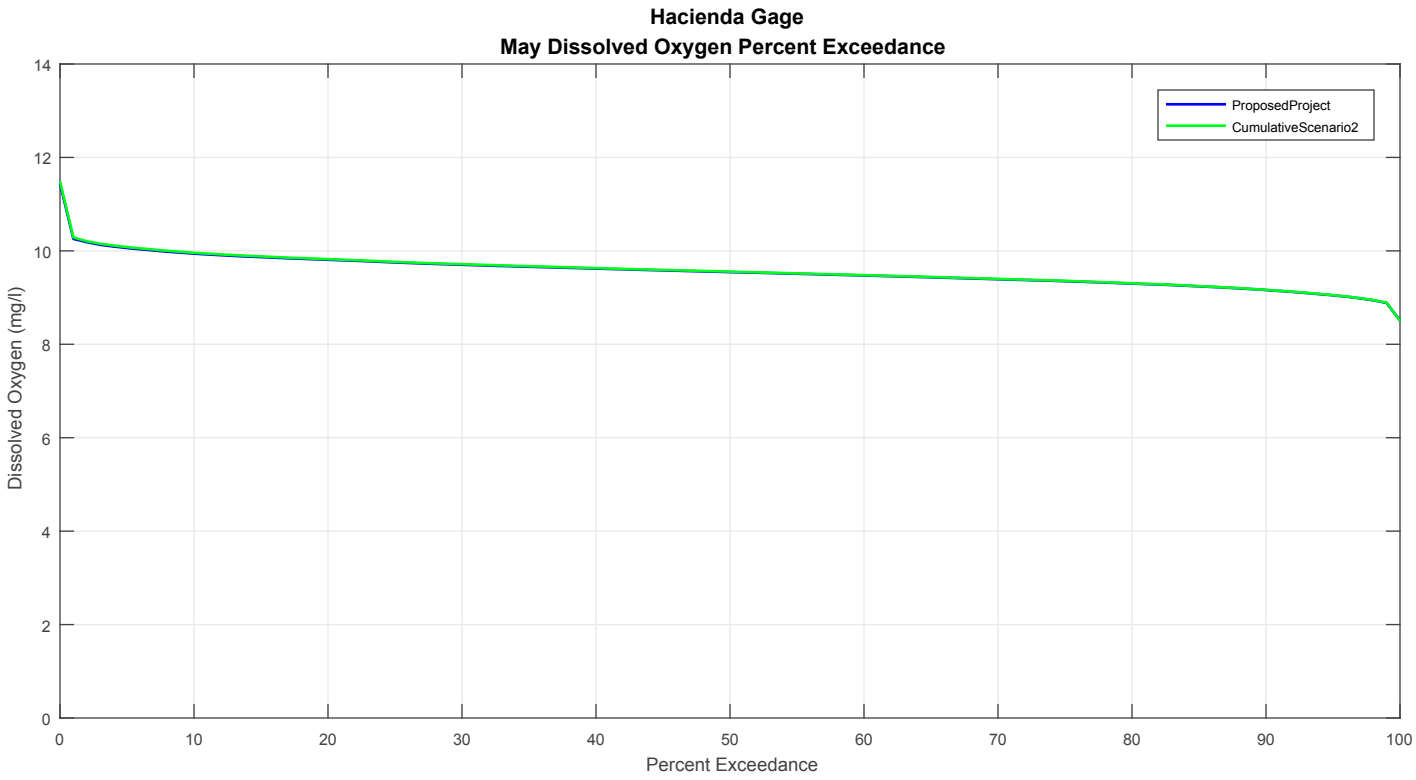
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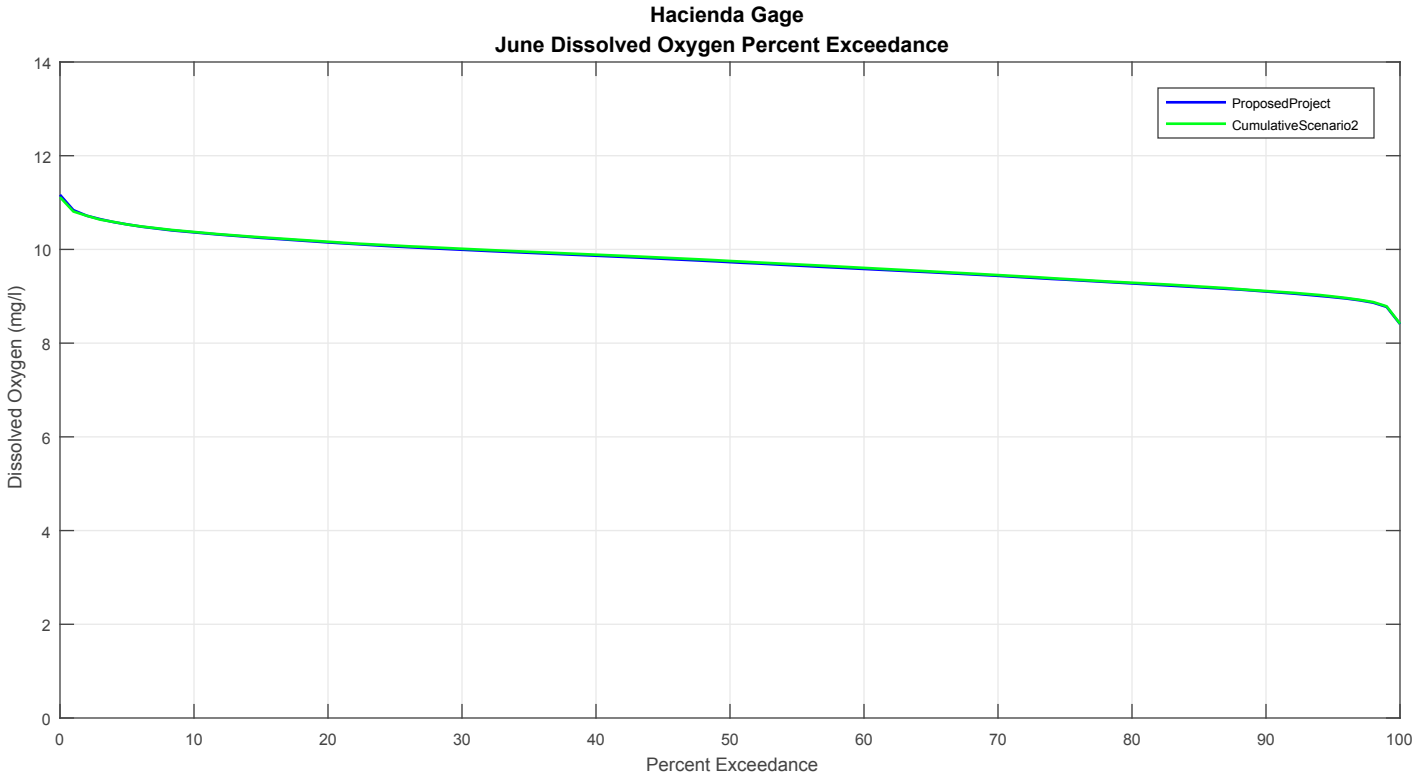
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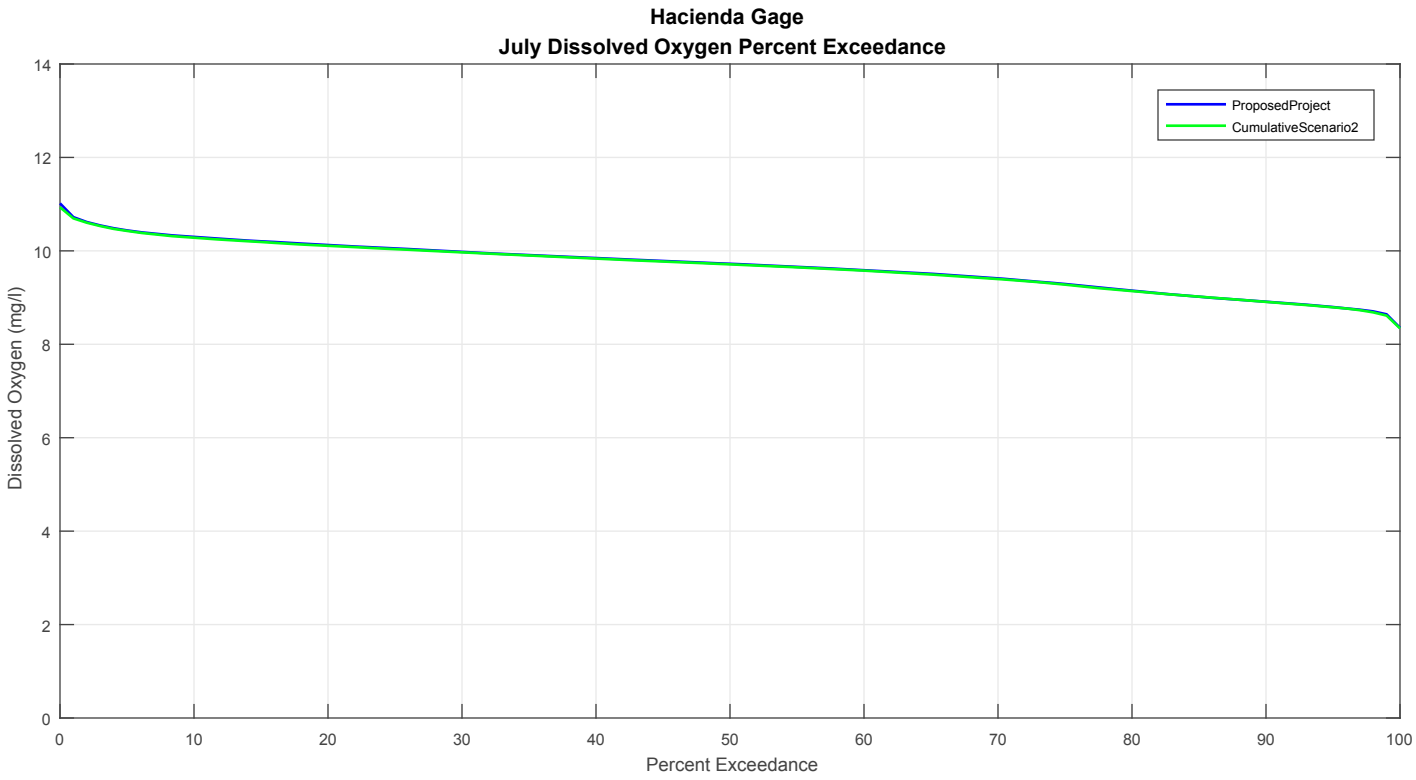
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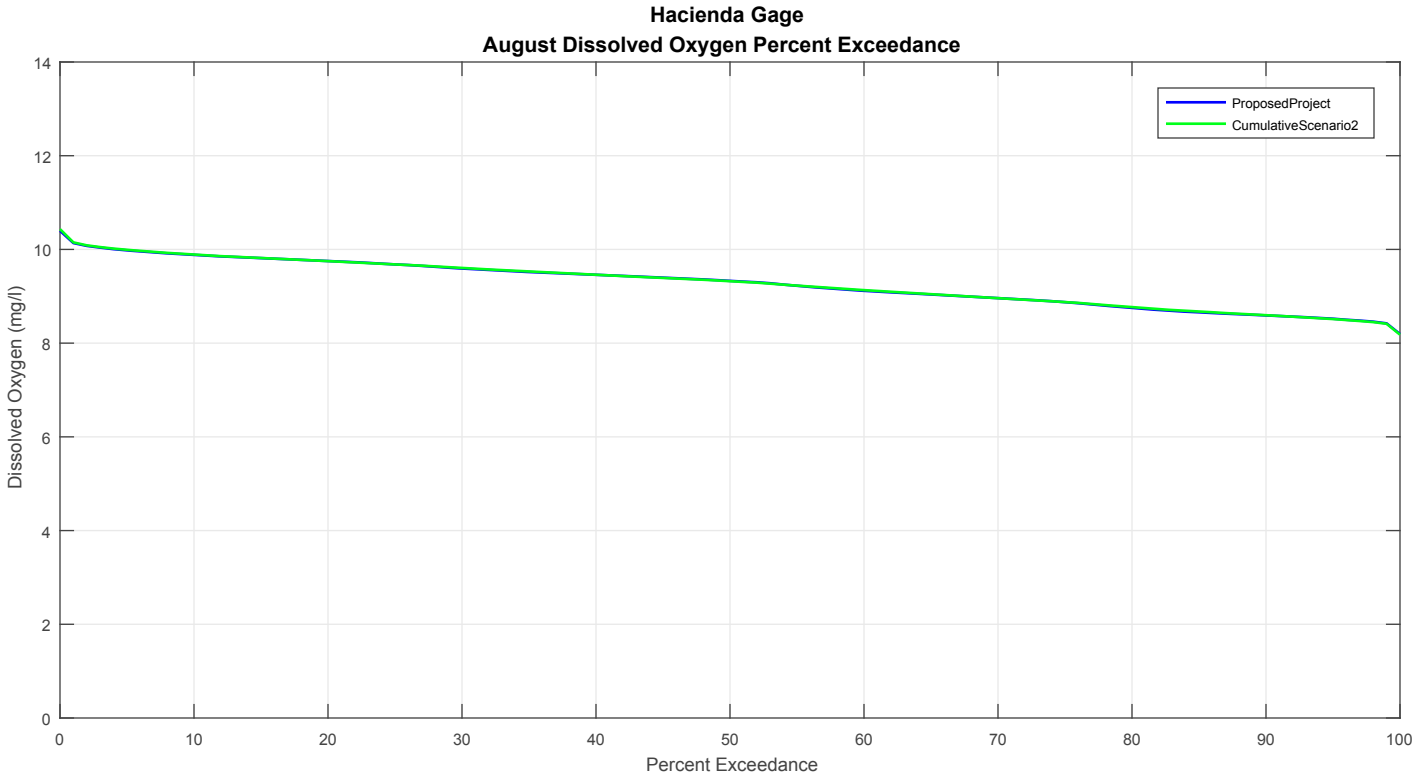
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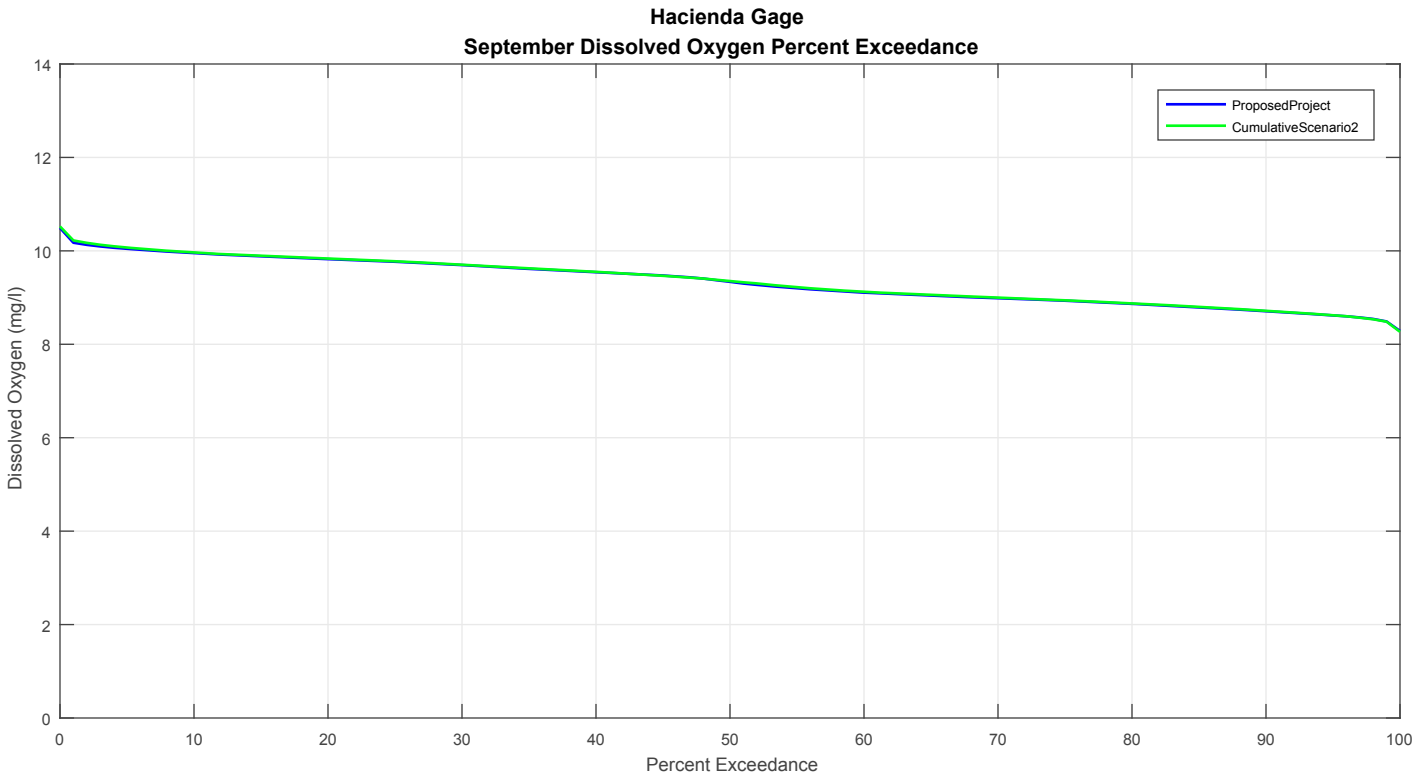
Hacienda Gage
September Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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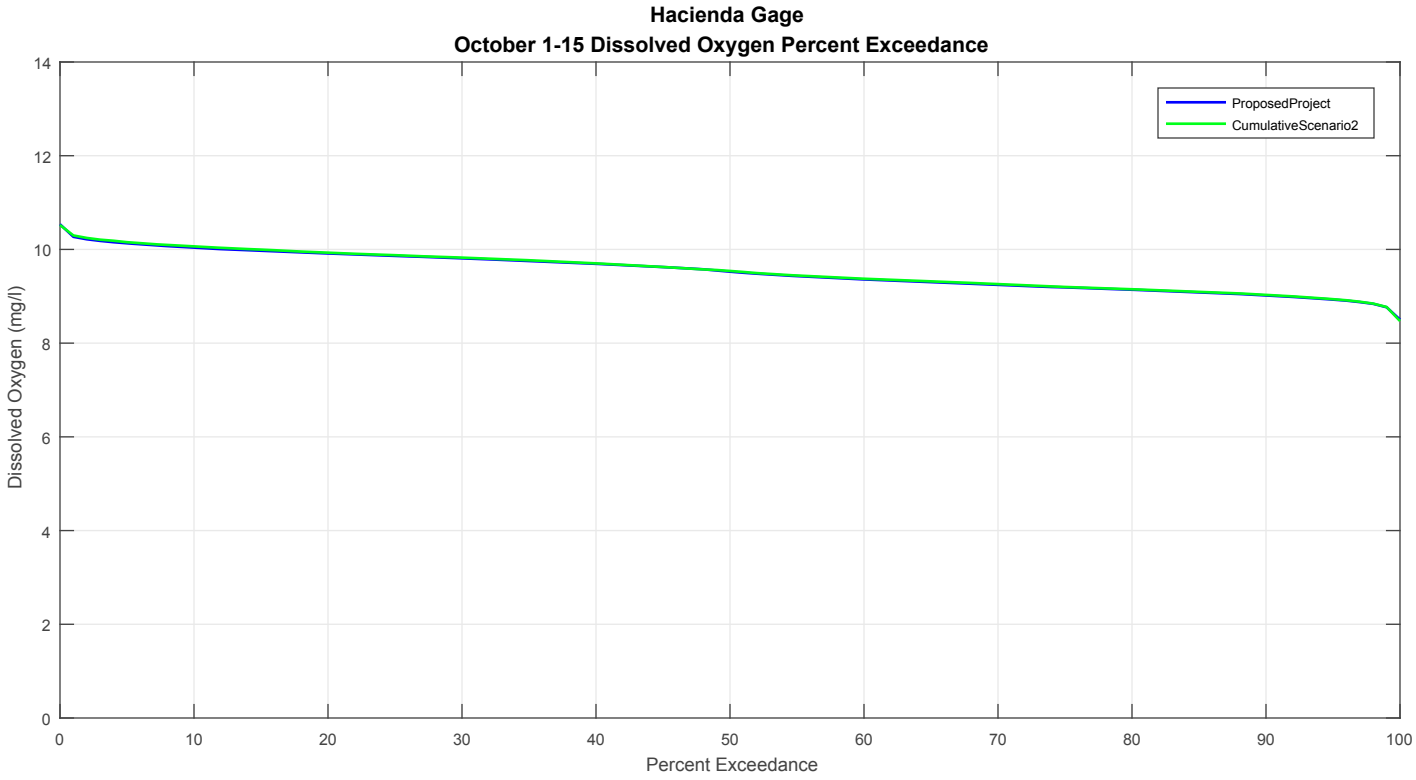
Hacienda Gage
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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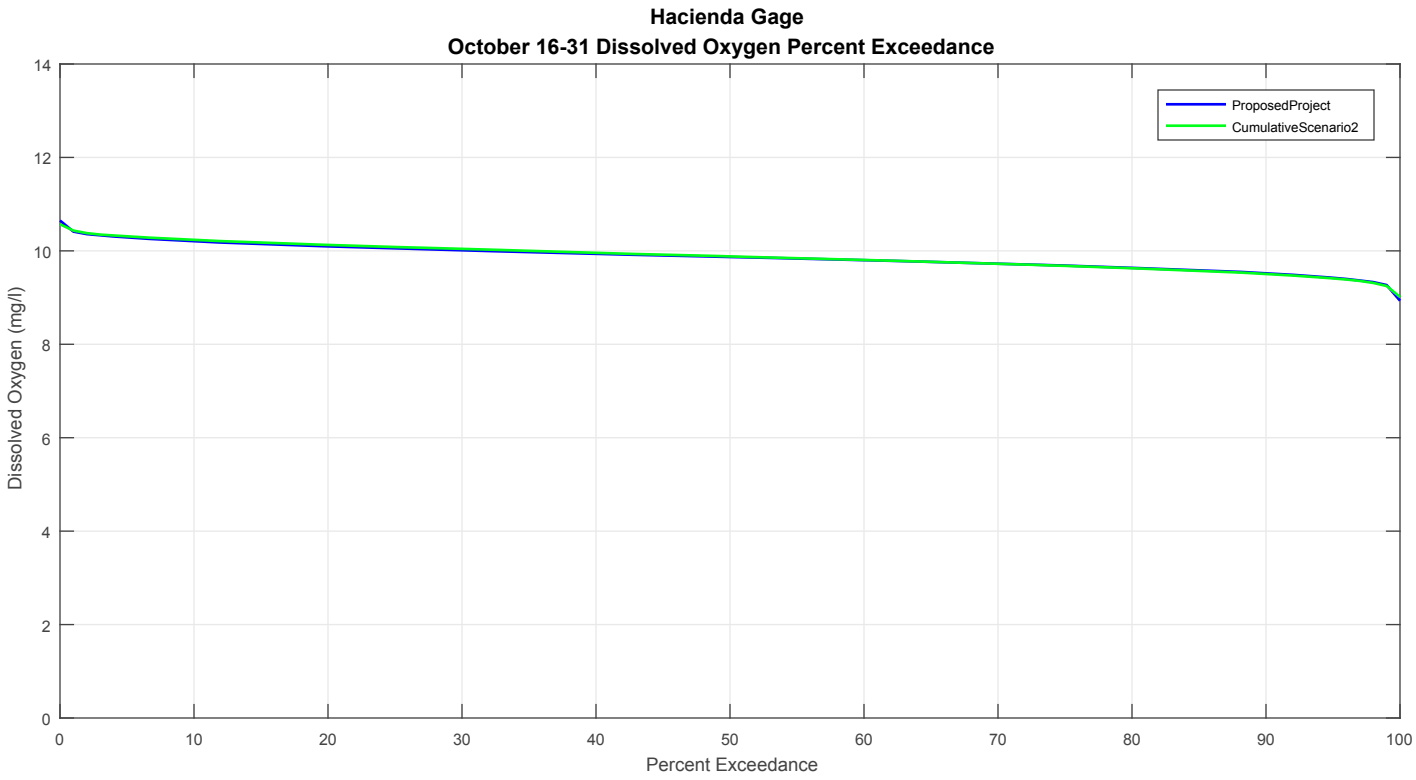
Hacienda Gage
October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
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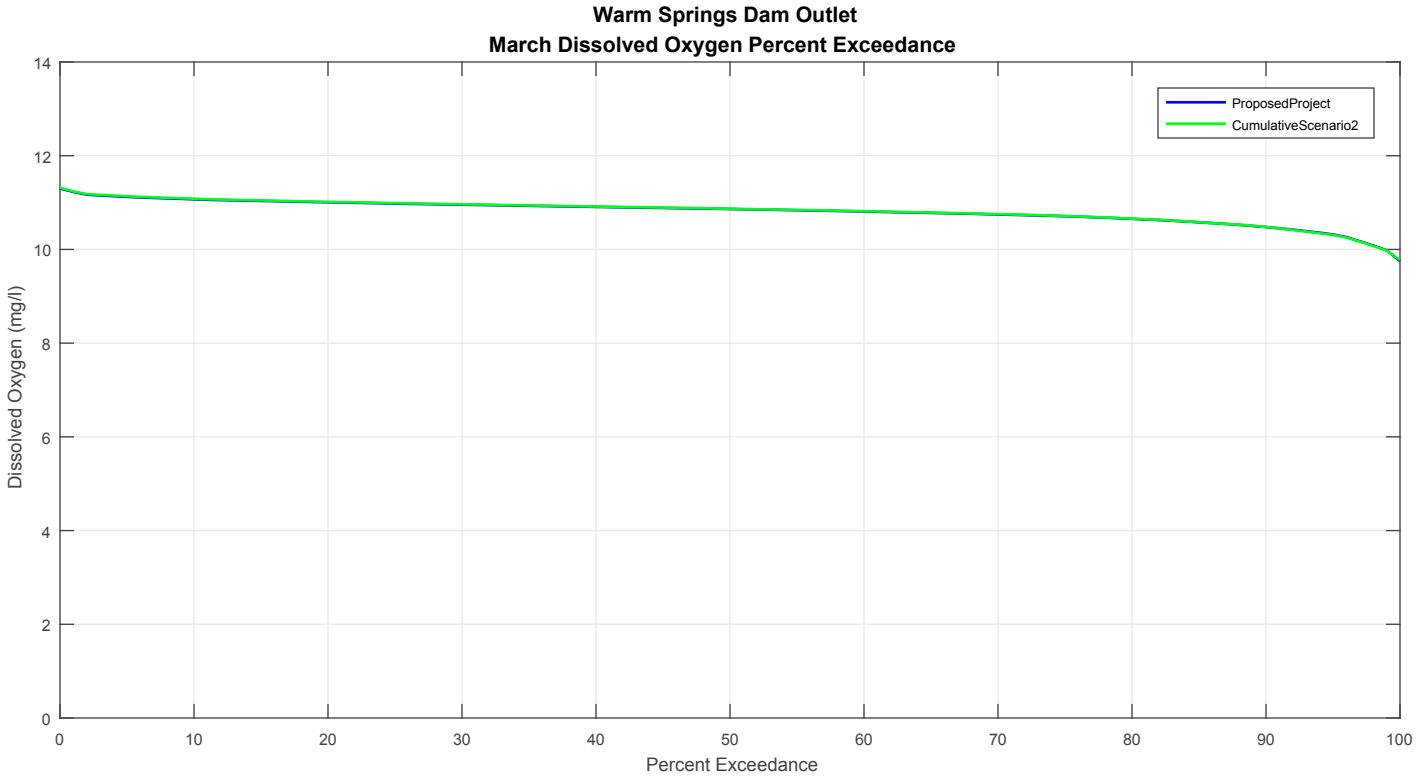
Warm Springs Dam Outlet
March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
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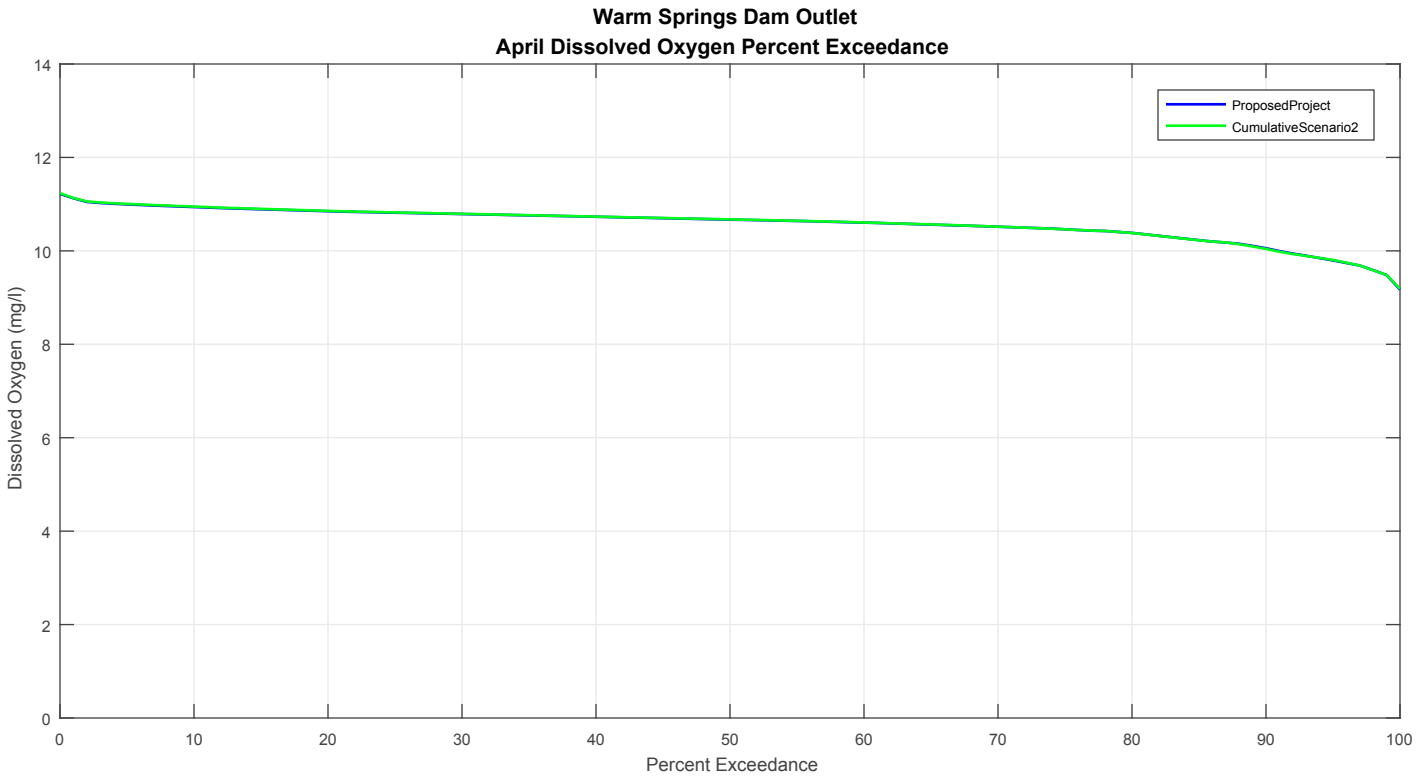
Warm Springs Dam Outlet
April Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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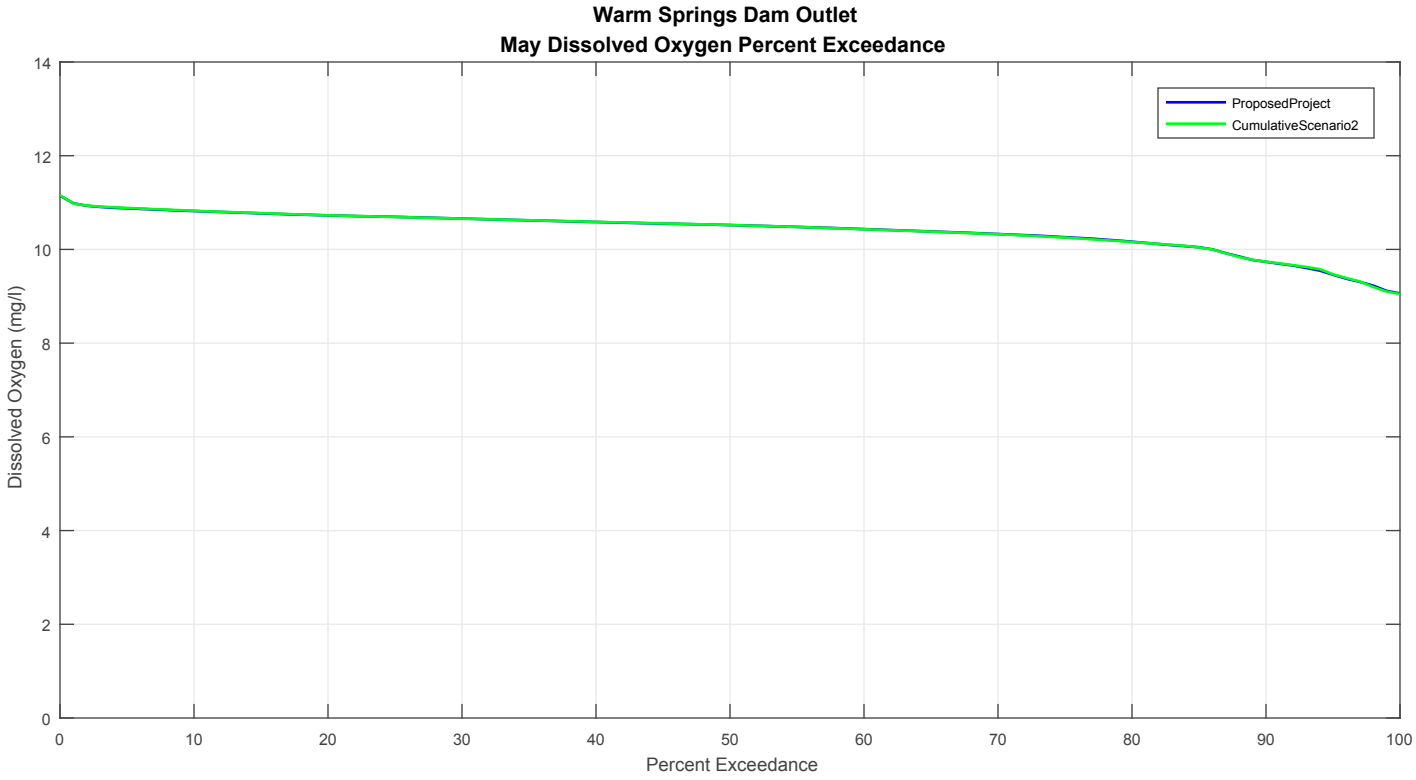
Warm Springs Dam Outlet
May Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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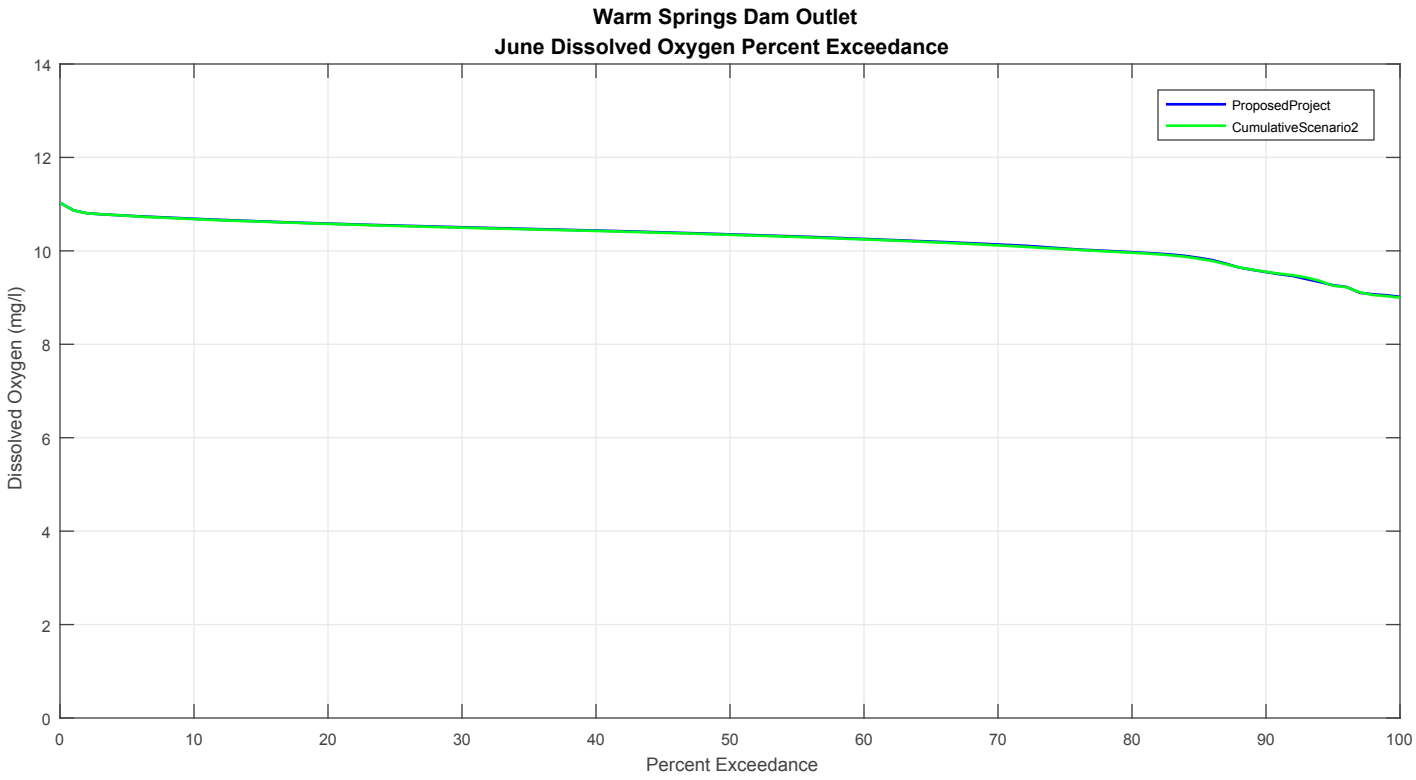
Warm Springs Dam Outlet
June Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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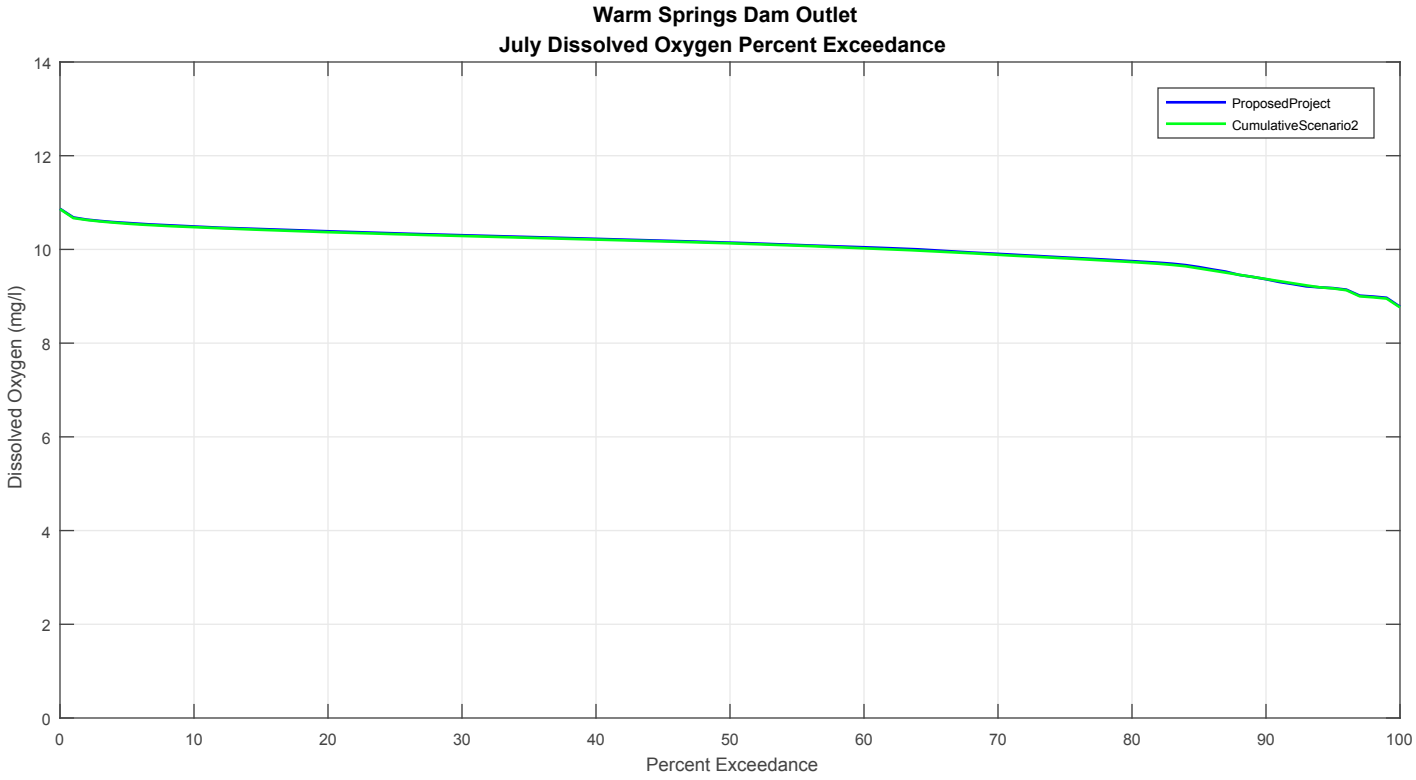
Warm Springs Dam Outlet
July Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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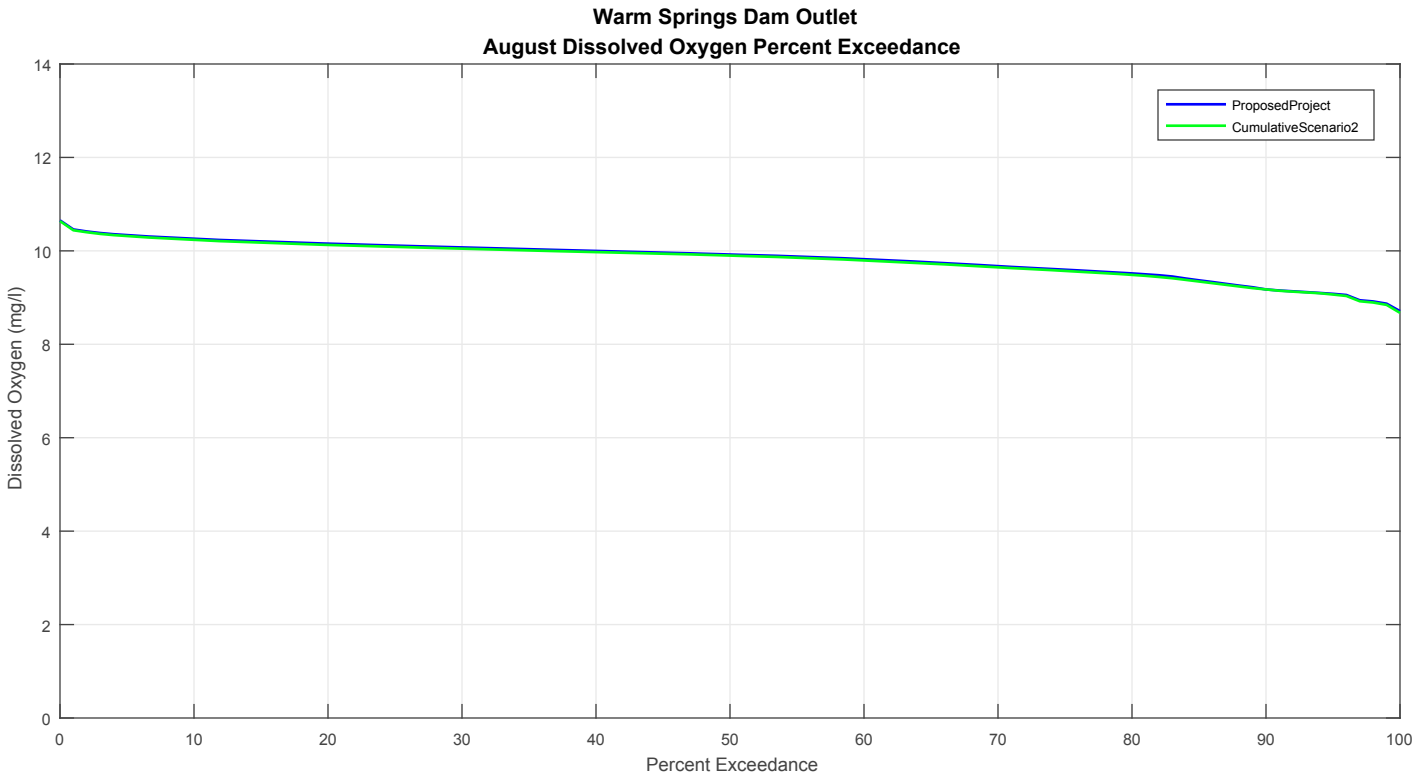
Warm Springs Dam Outlet
August Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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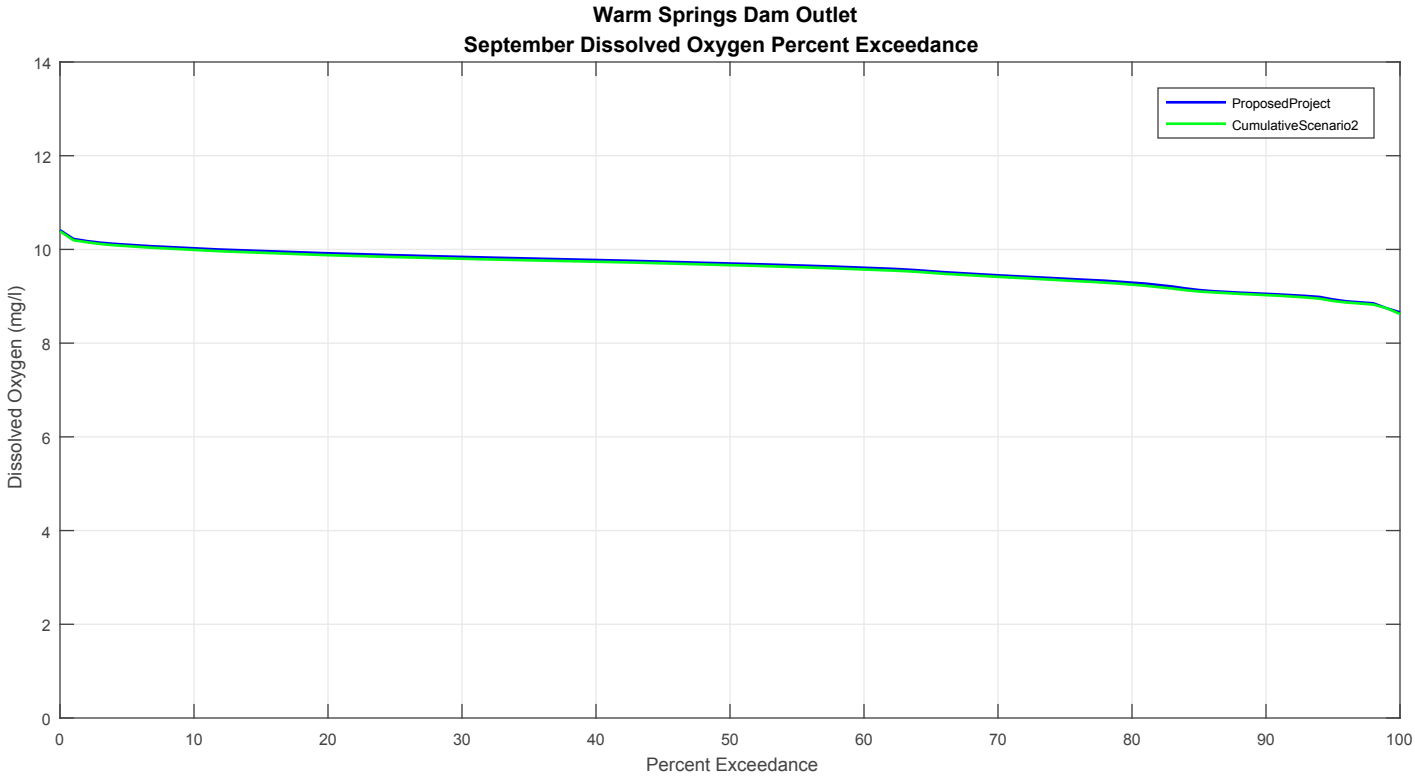
Warm Springs Dam Outlet
September Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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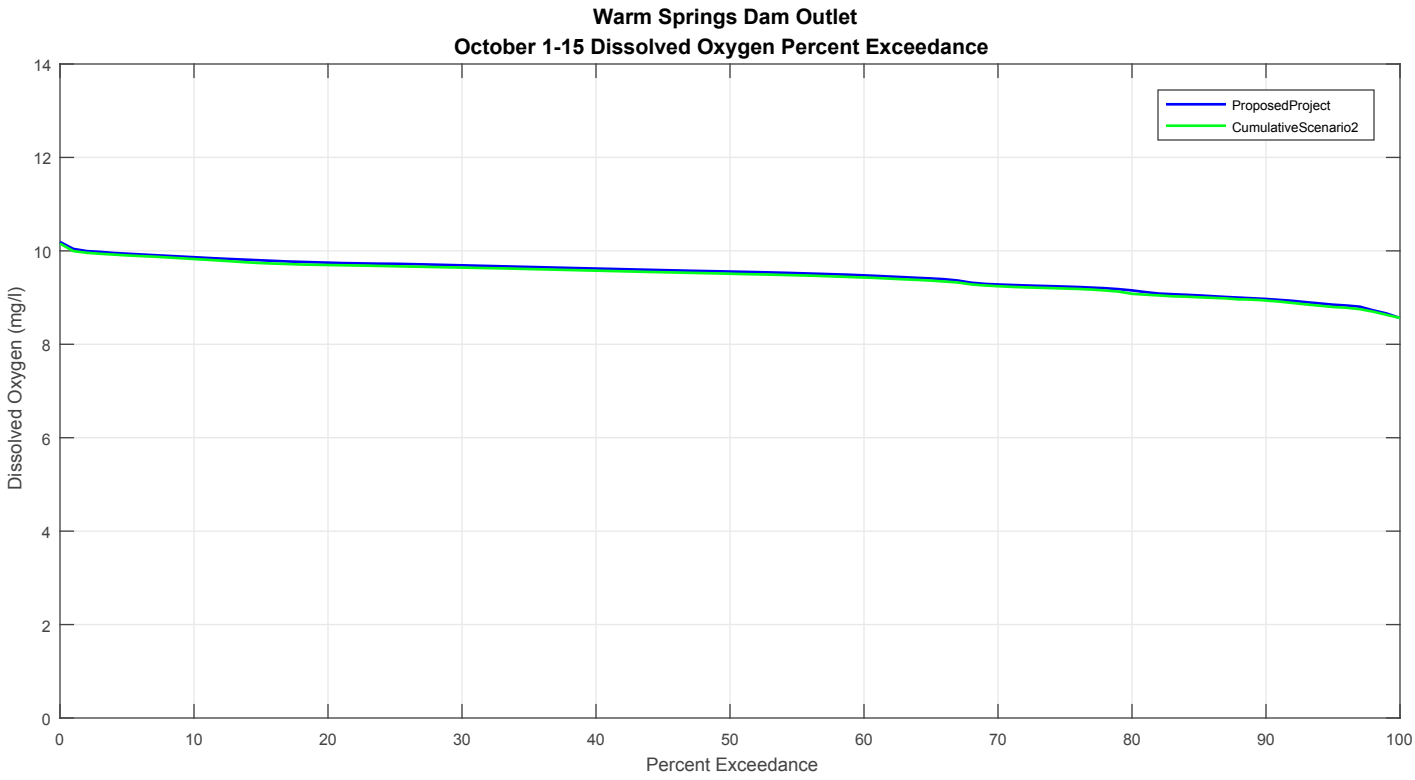
Warm Springs Dam Outlet
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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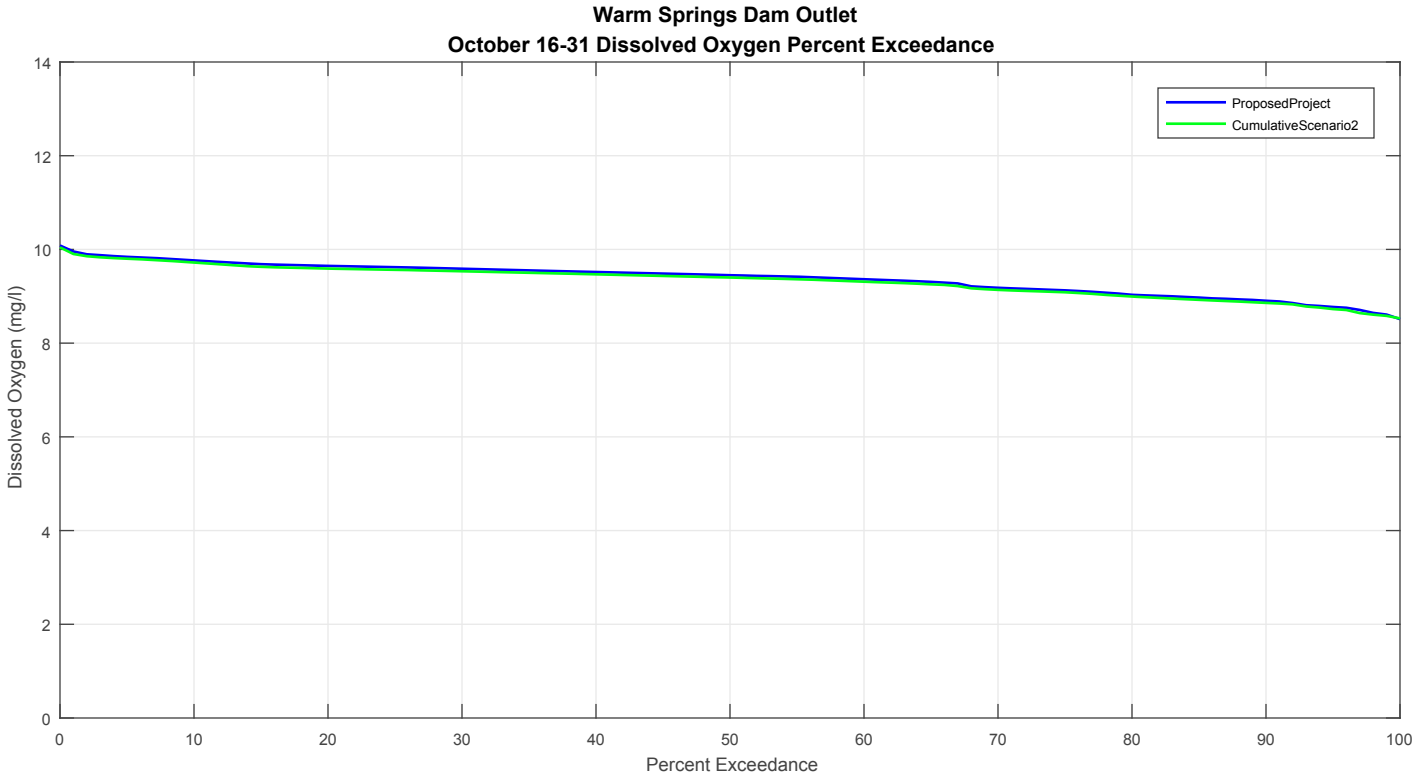
Warm Springs Dam Outlet
October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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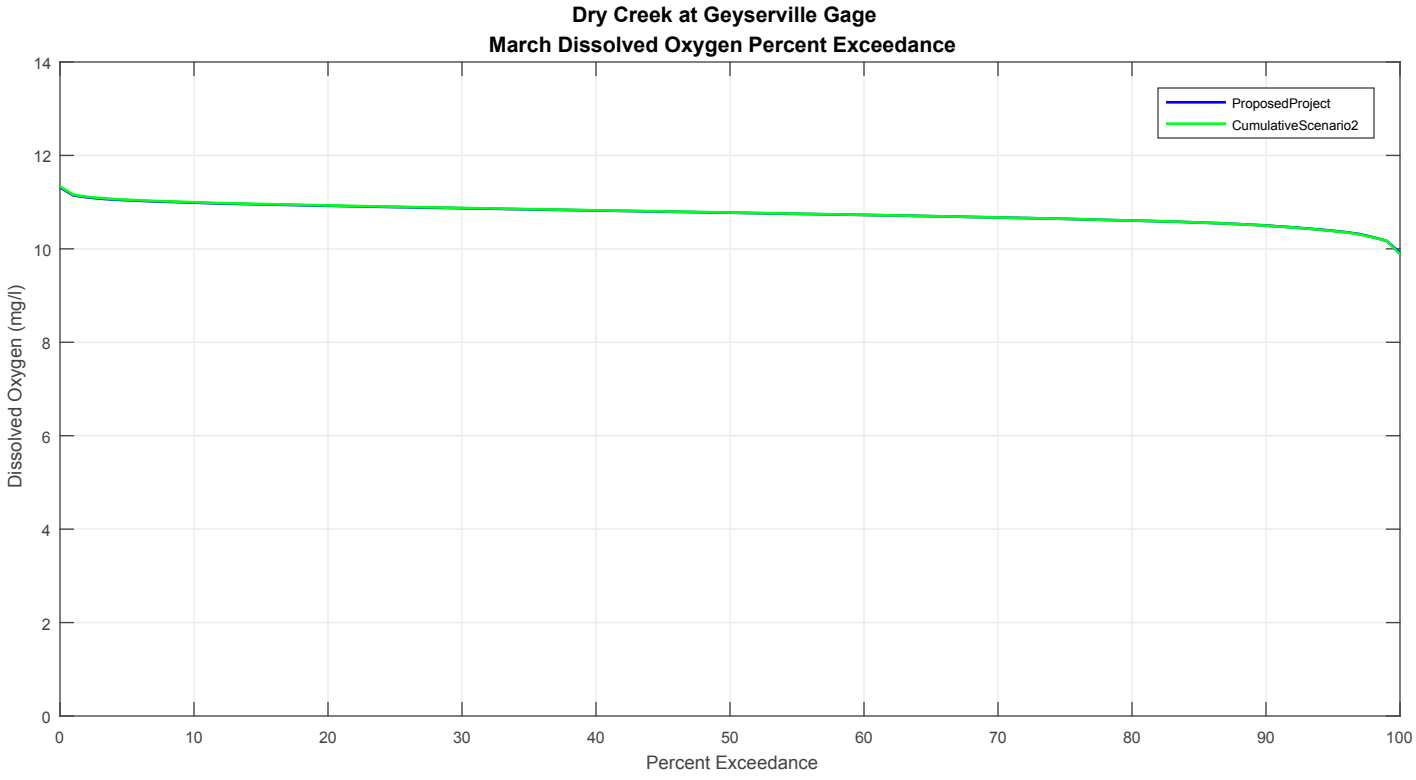
Dry Creek at Geyserville Gage
March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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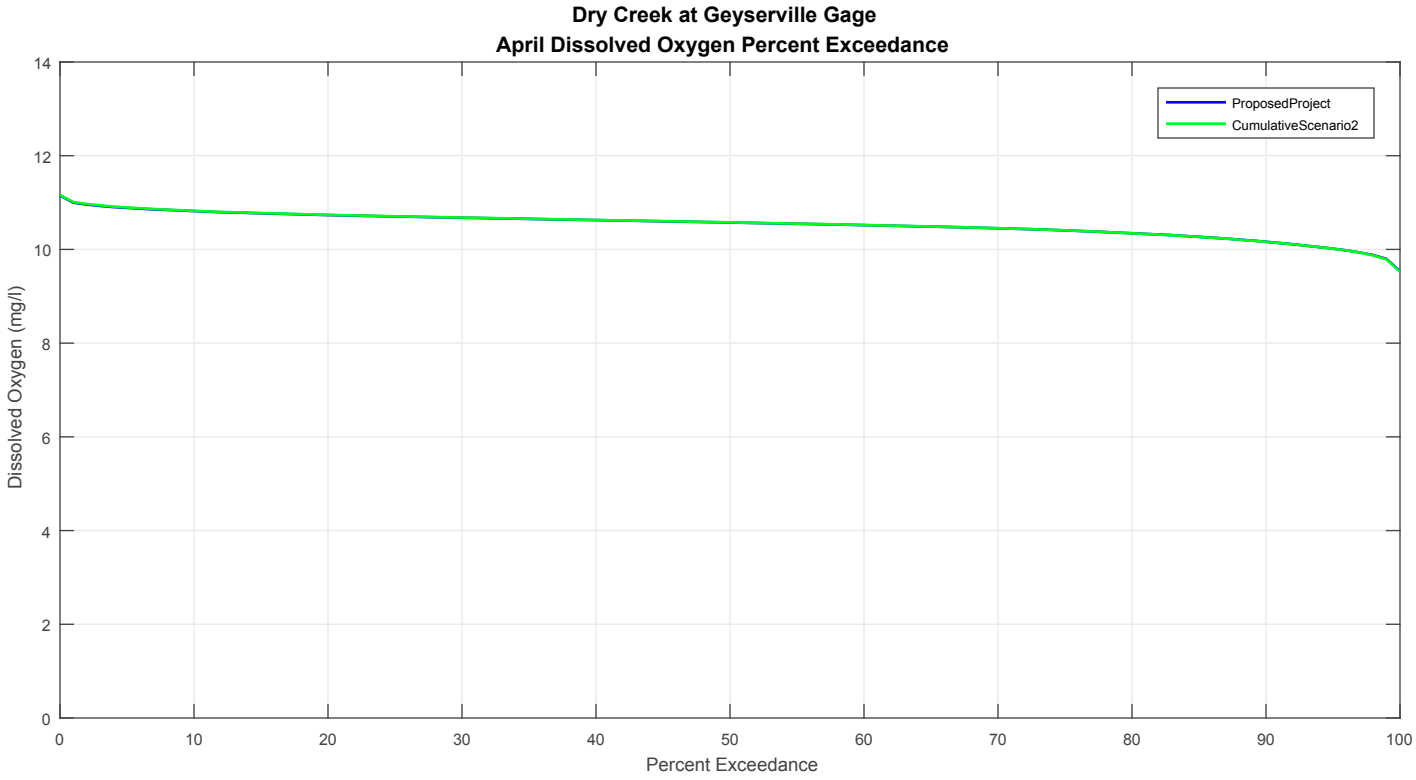
Dry Creek at Geyserville Gage
April Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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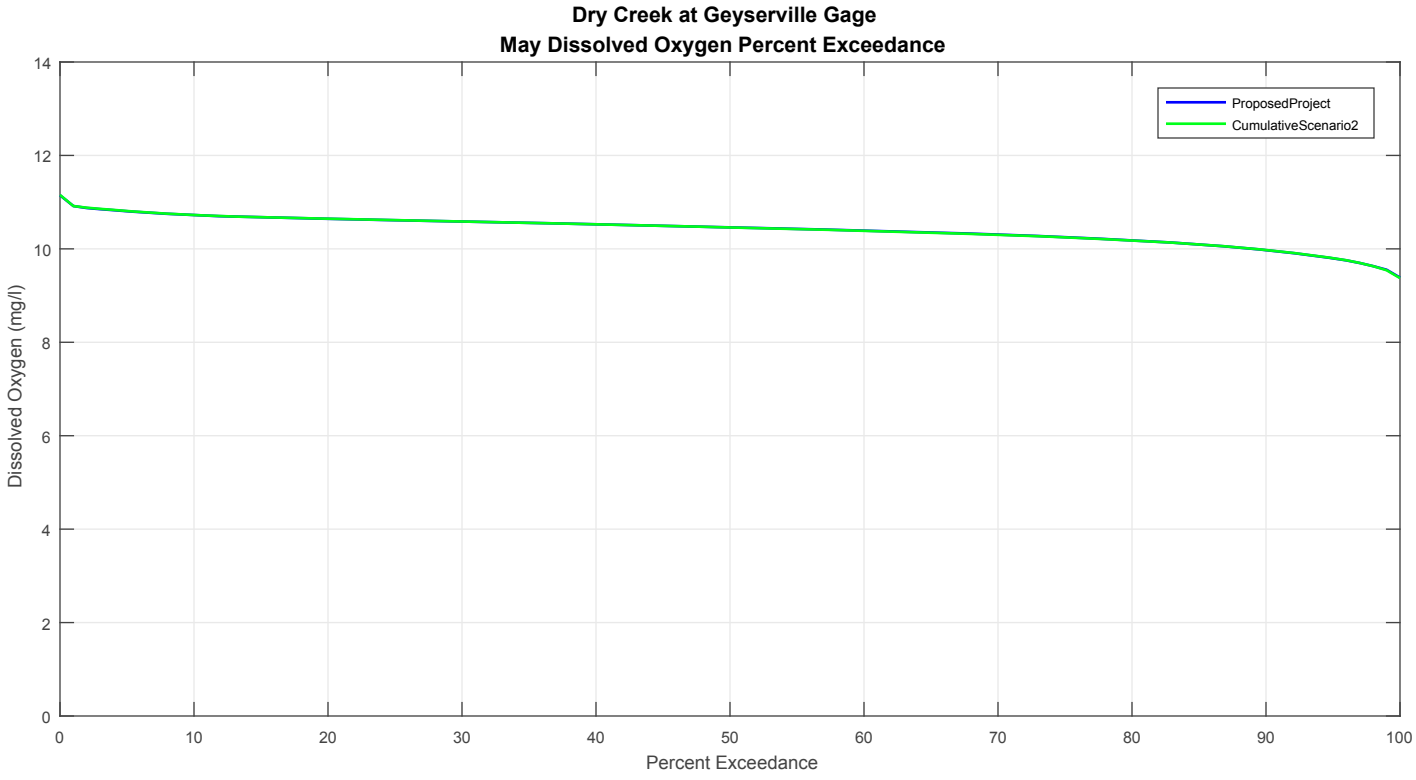
Dry Creek at Geyserville Gage
May Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
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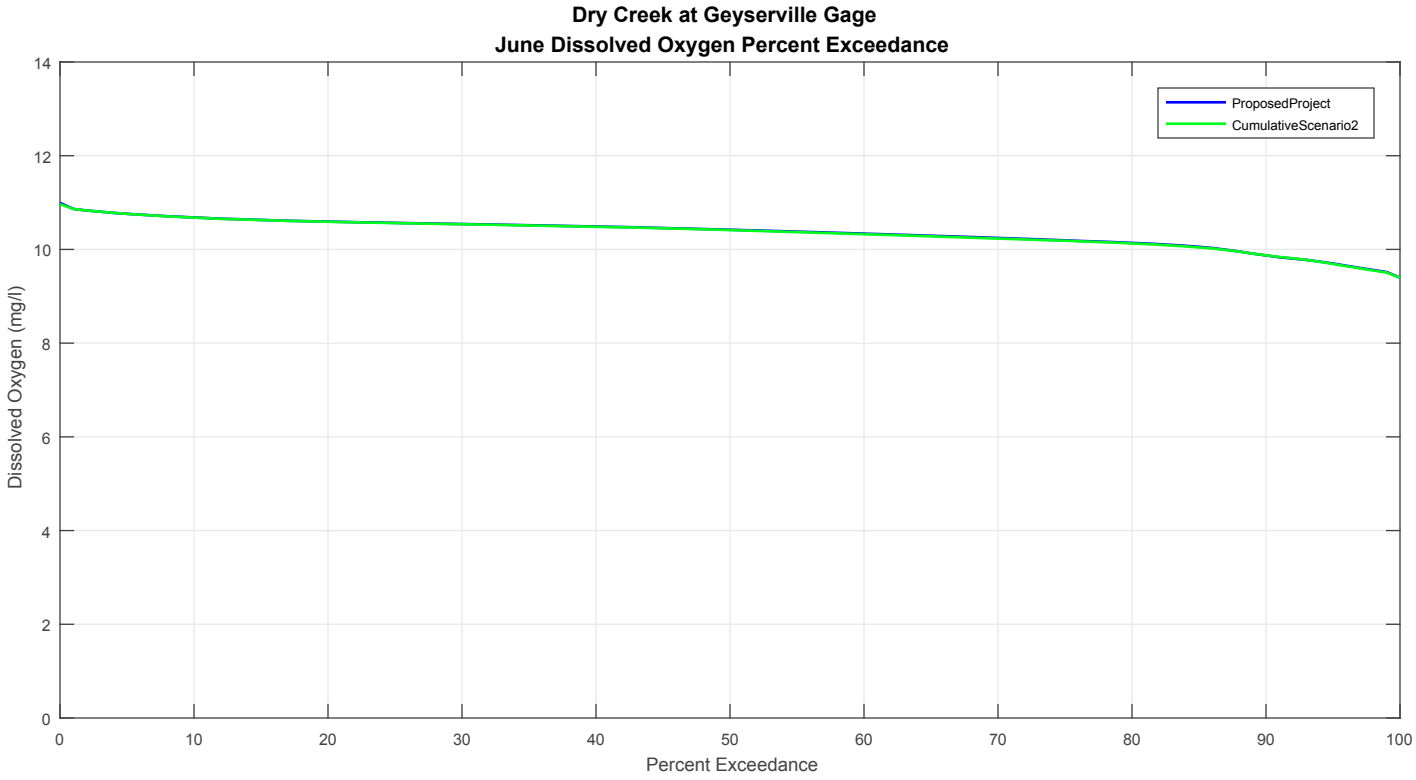
Dry Creek at Geyserville Gage
June Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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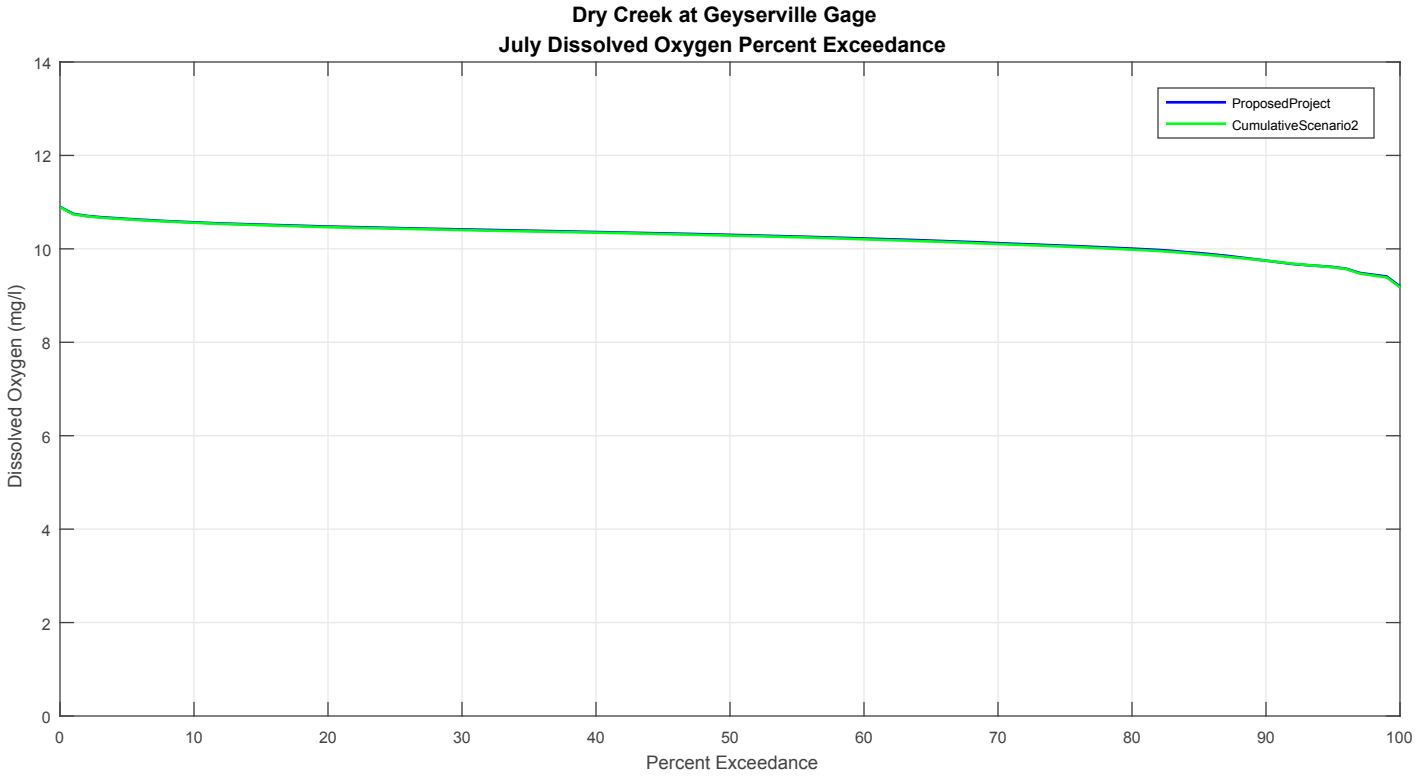
Dry Creek at Geyserville Gage
July Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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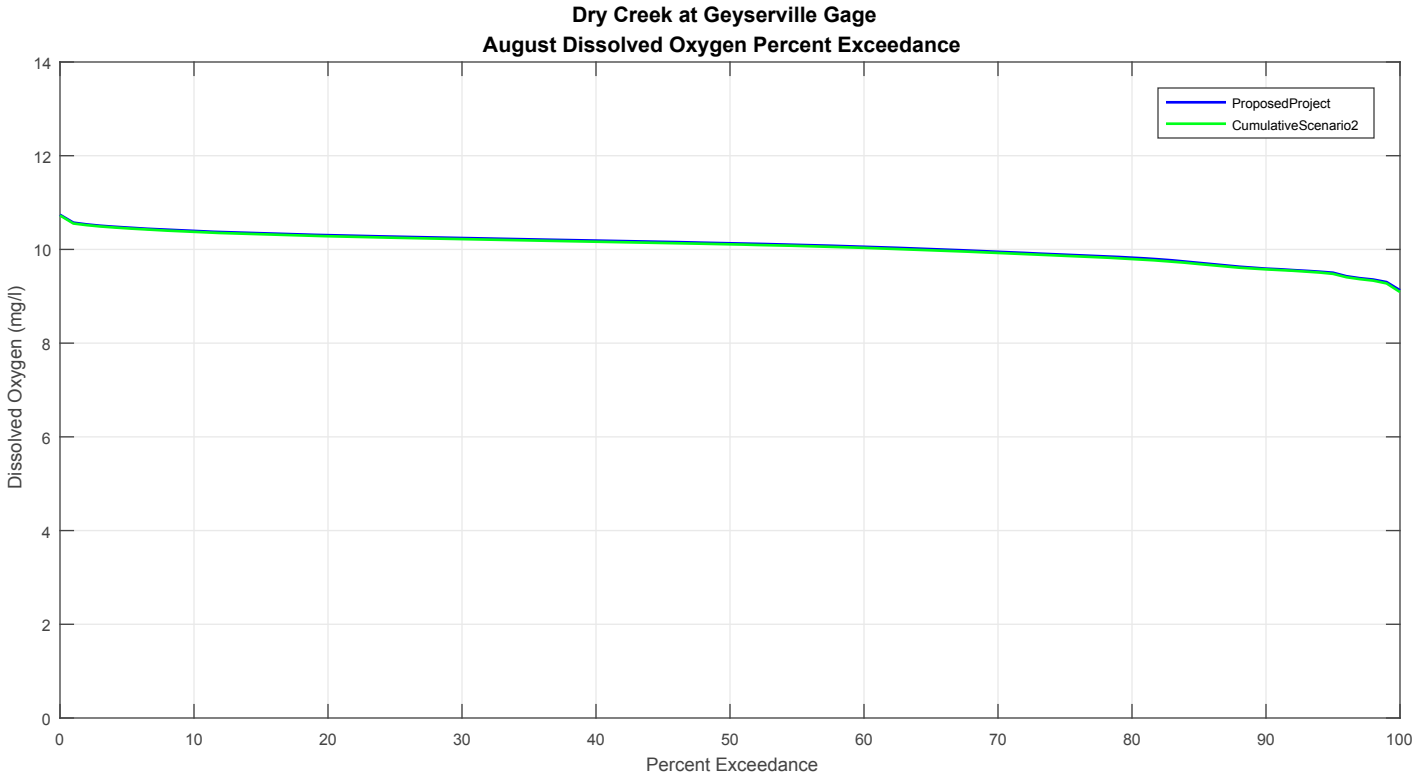
Dry Creek at Geyserville Gage
August Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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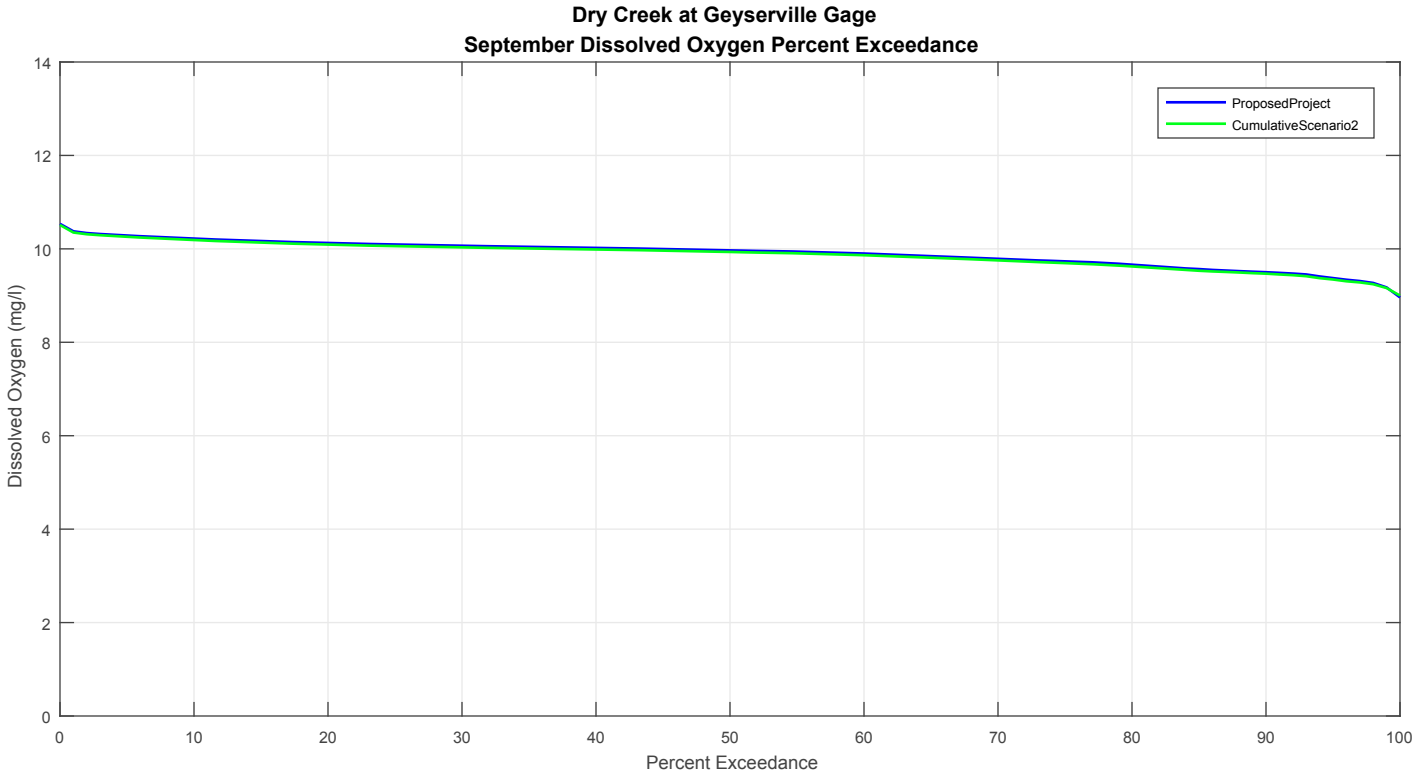
Dry Creek at Geyserville Gage
September Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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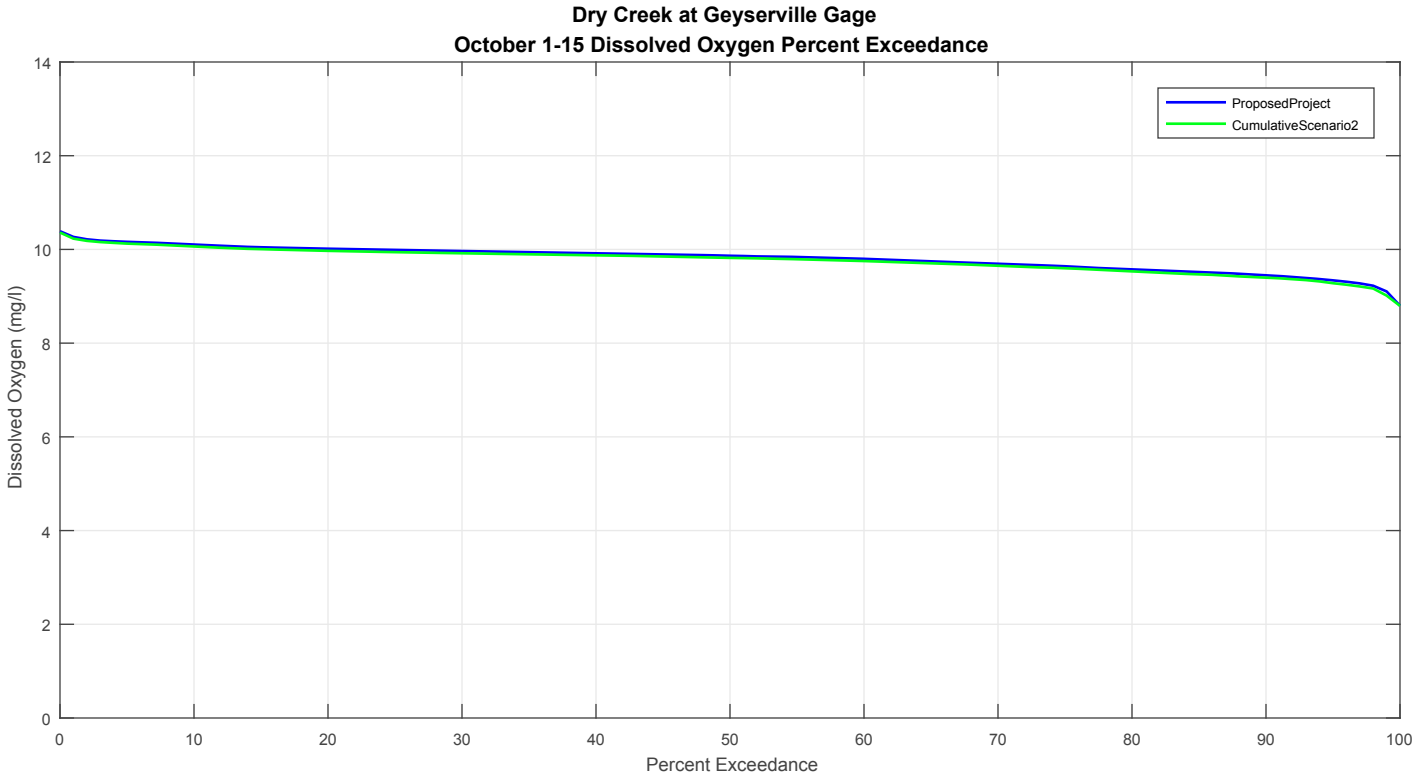
Dry Creek at Geyserville Gage
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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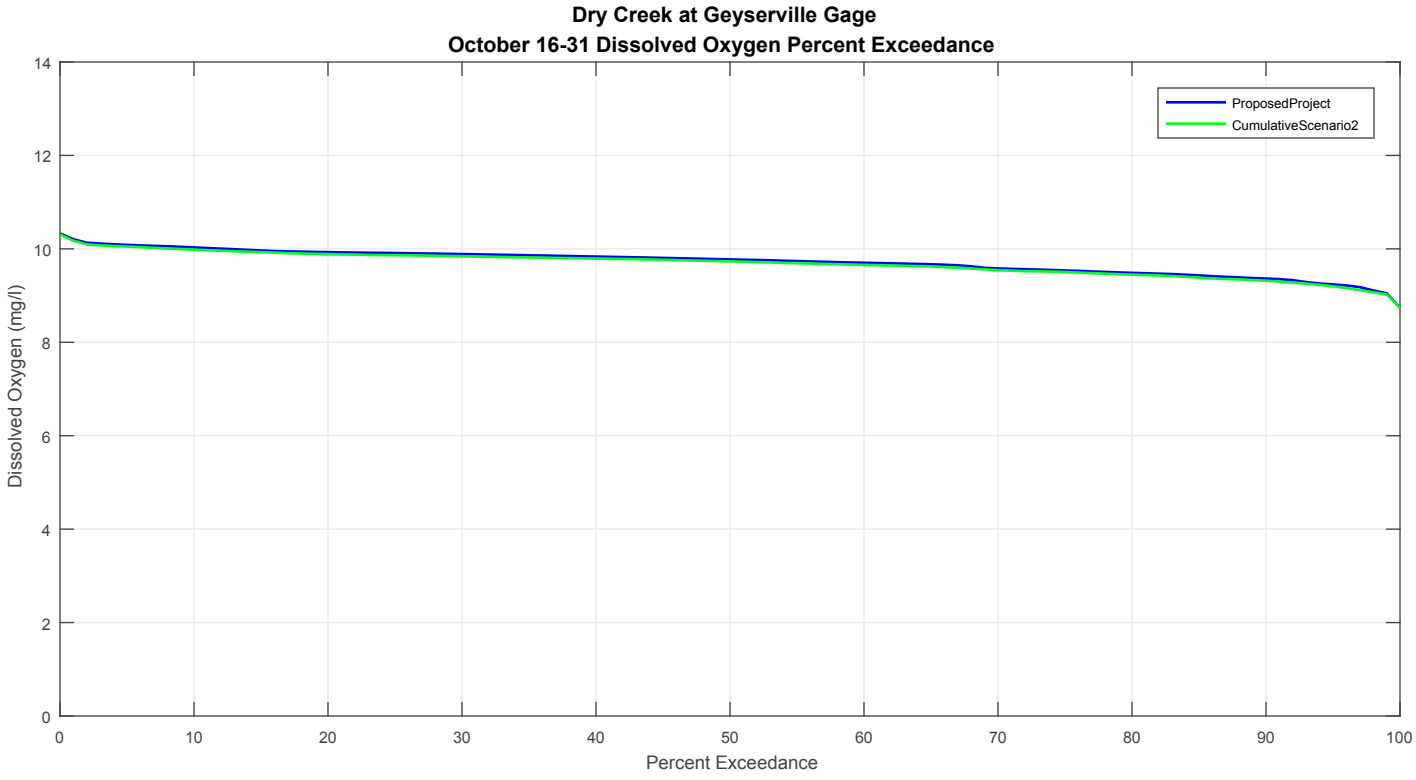
Dry Creek at Geyserville Gage
October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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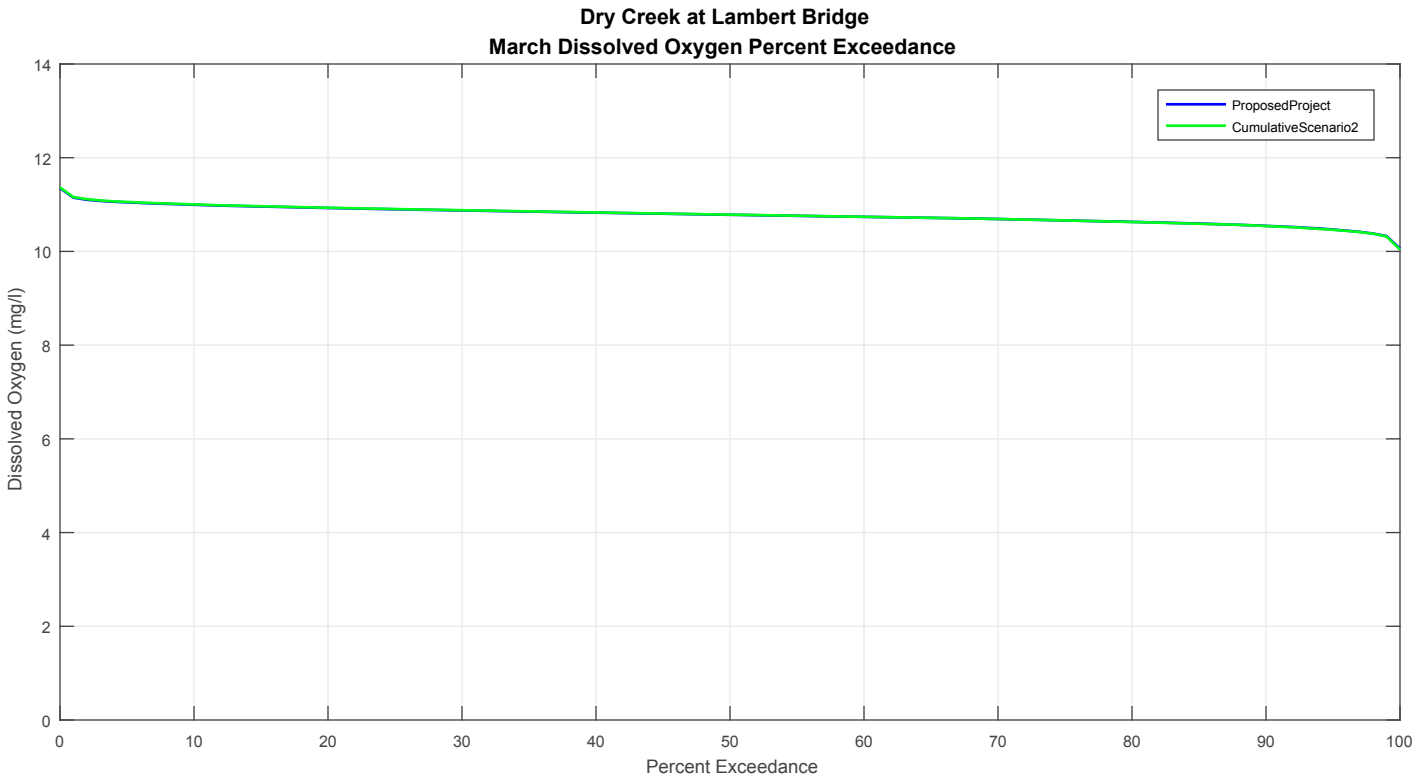
Dry Creek at Lambert Bridge
March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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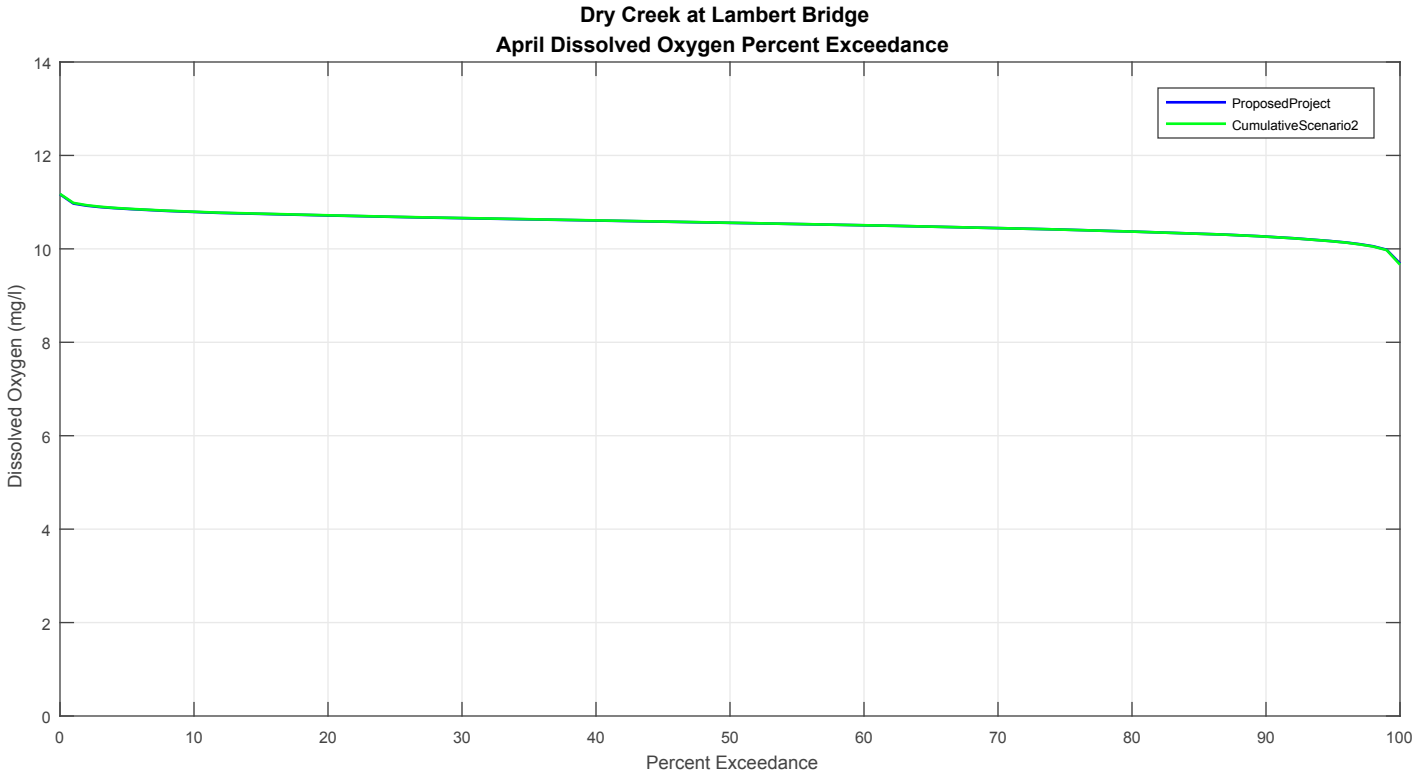
Dry Creek at Lambert Bridge
April Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
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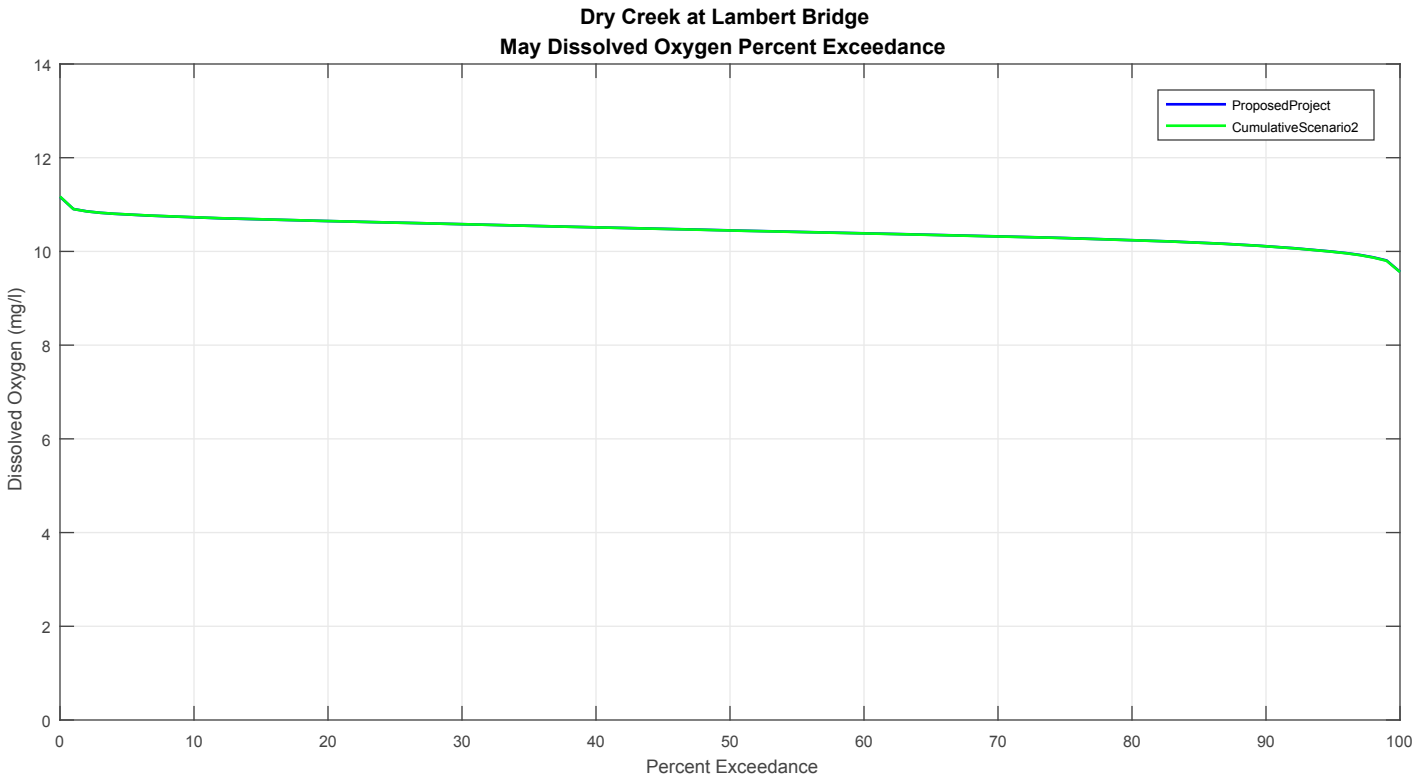
Dry Creek at Lambert Bridge
May Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
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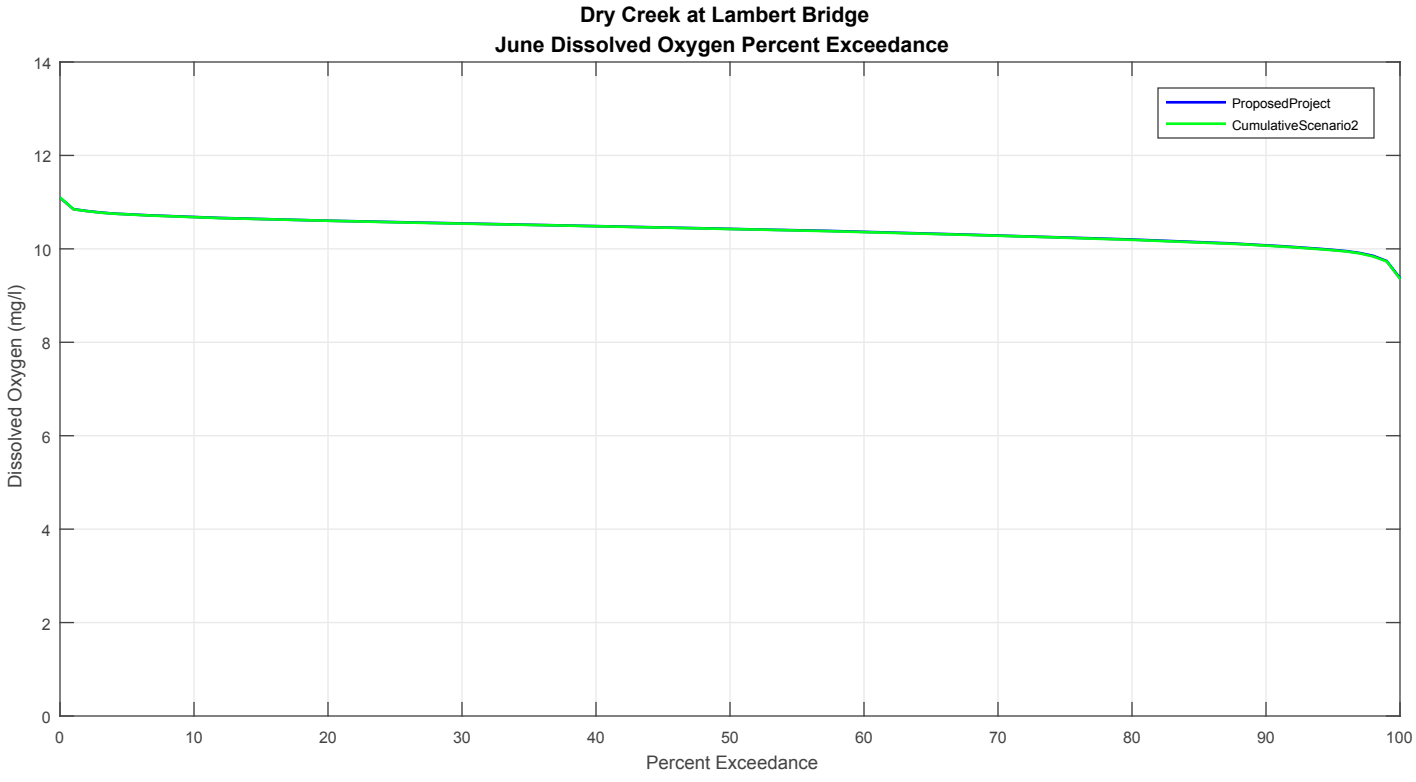
Dry Creek at Lambert Bridge
June Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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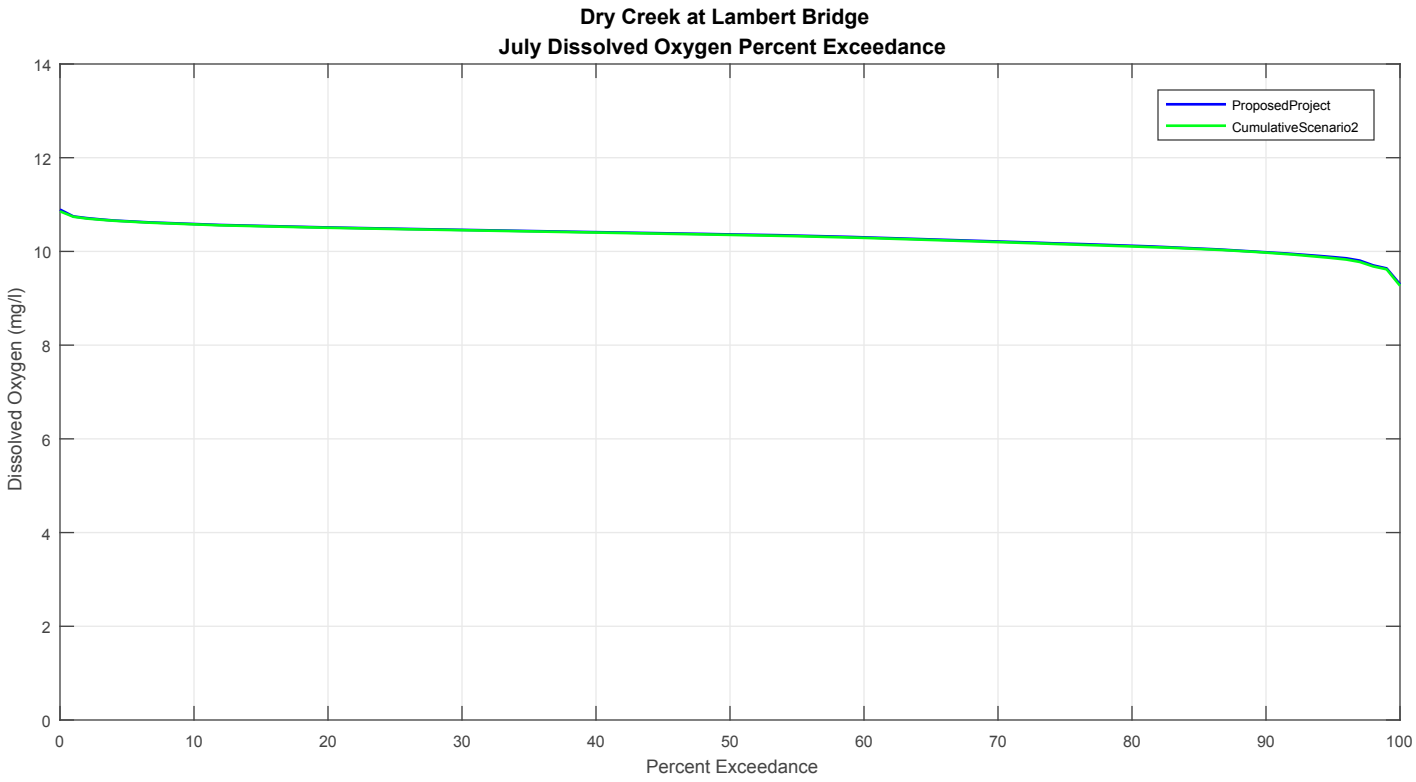
Dry Creek at Lambert Bridge
July Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
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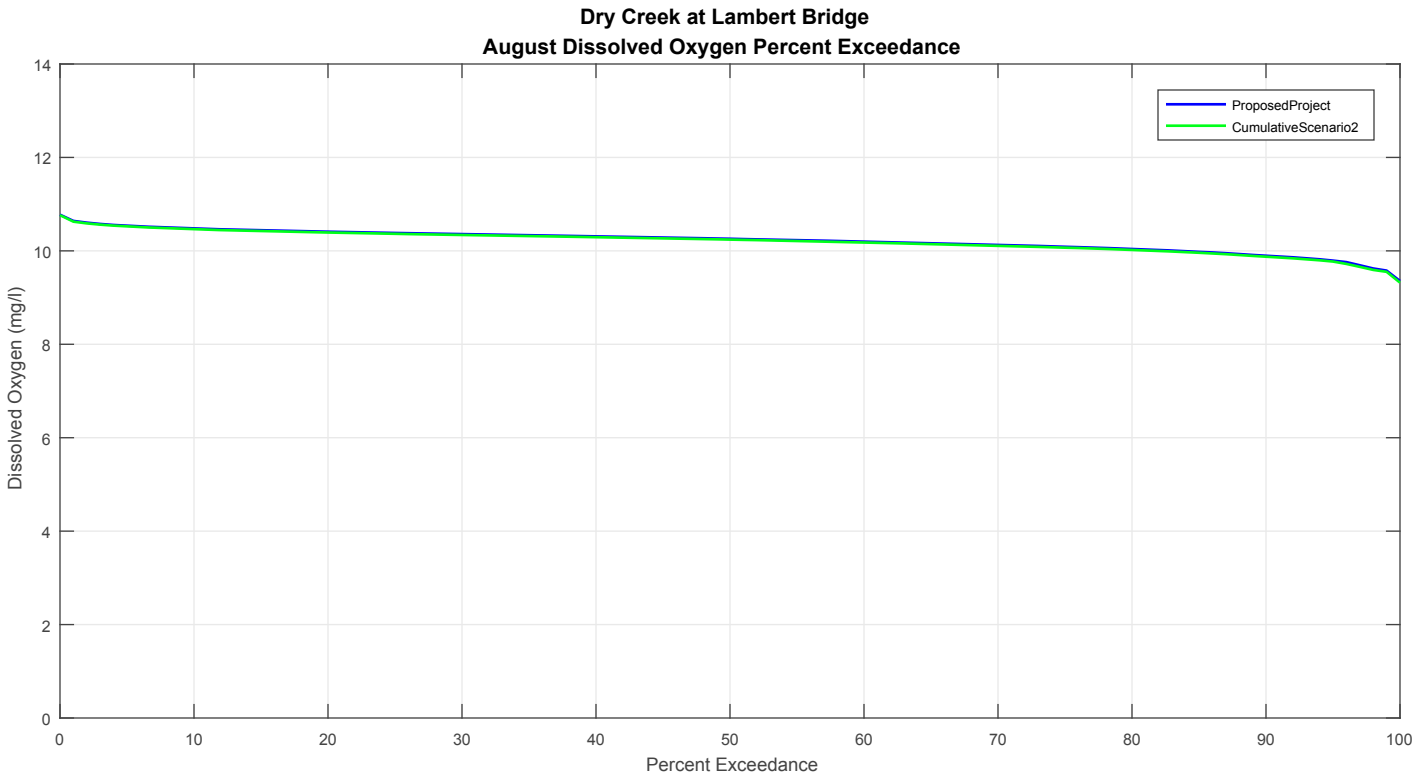
Dry Creek at Lambert Bridge
August Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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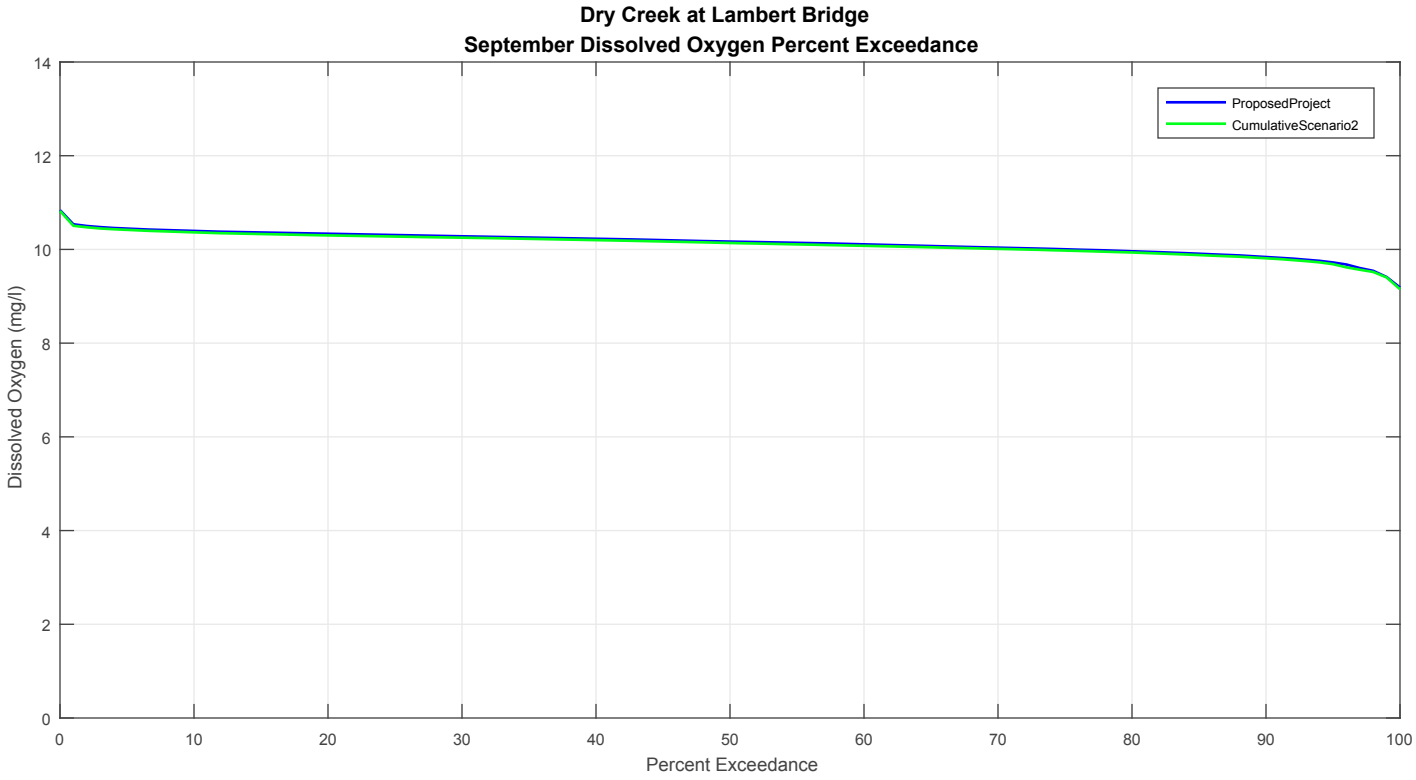
Dry Creek at Lambert Bridge
September Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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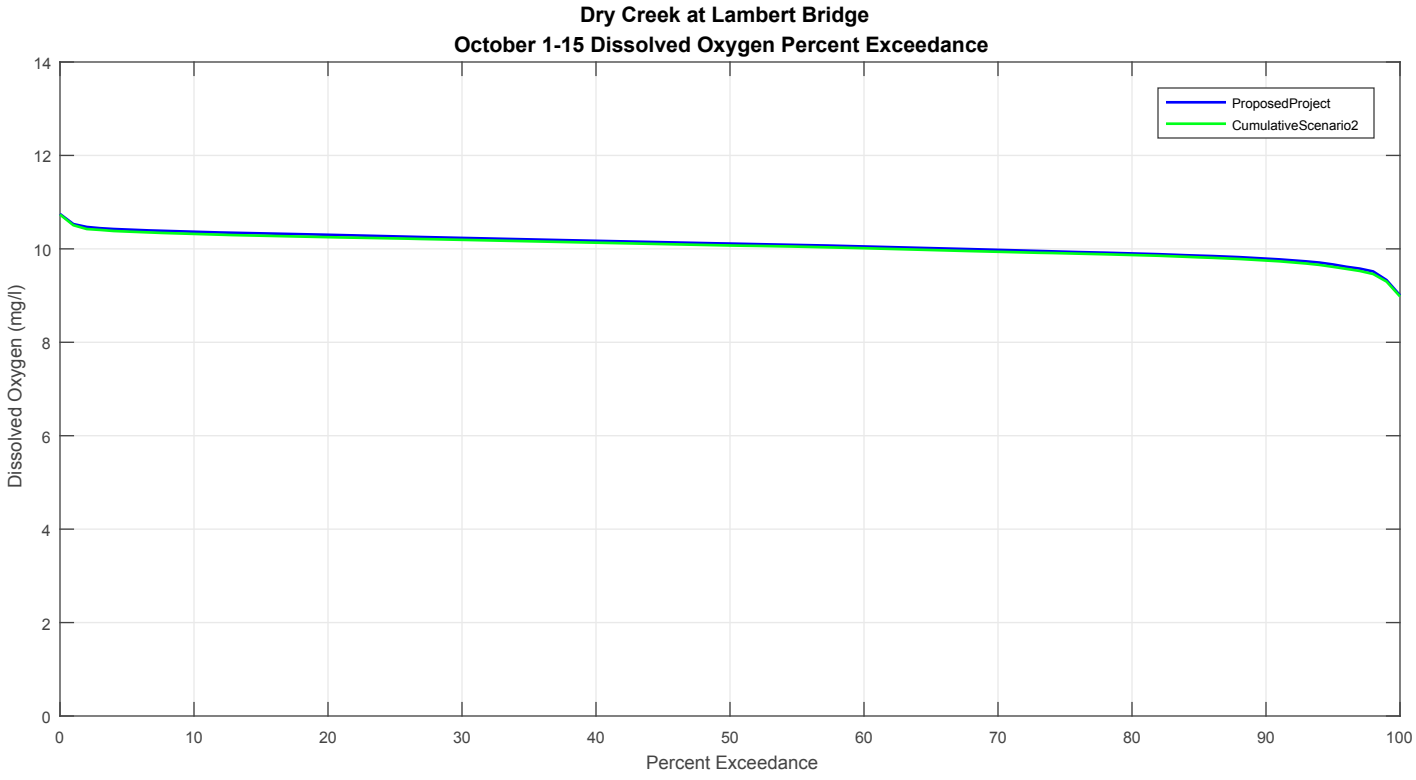
Dry Creek at Lambert Bridge
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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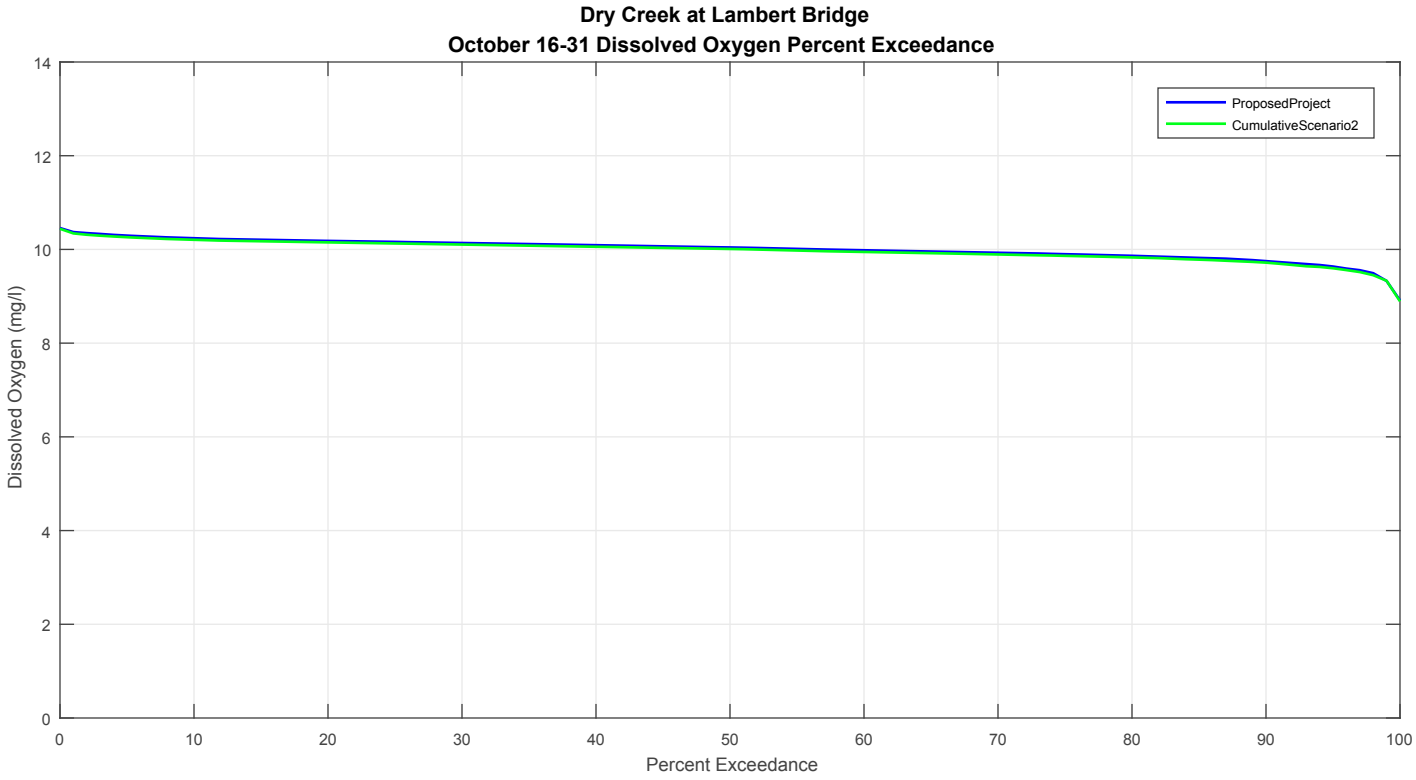
Dry Creek at Lambert Bridge
October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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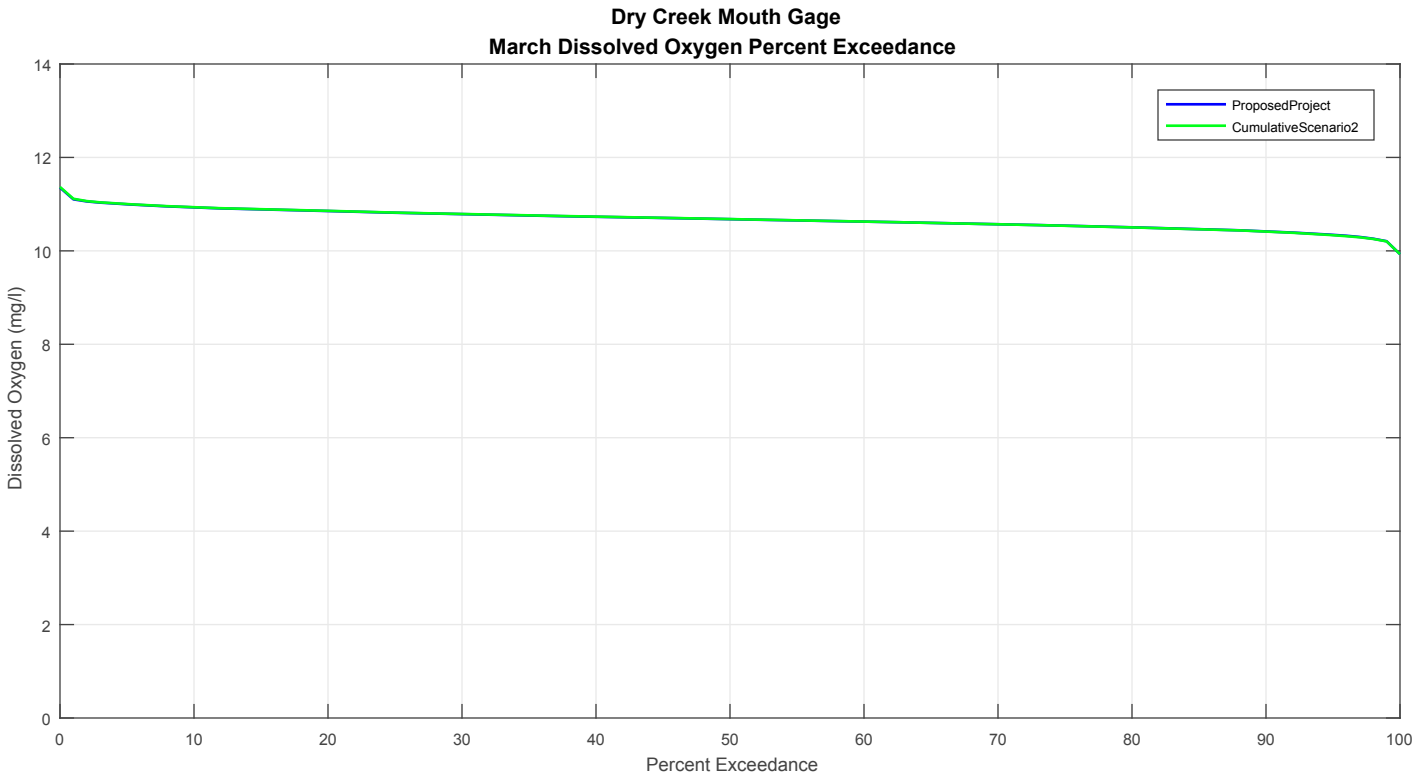
Dry Creek Mouth Gage
March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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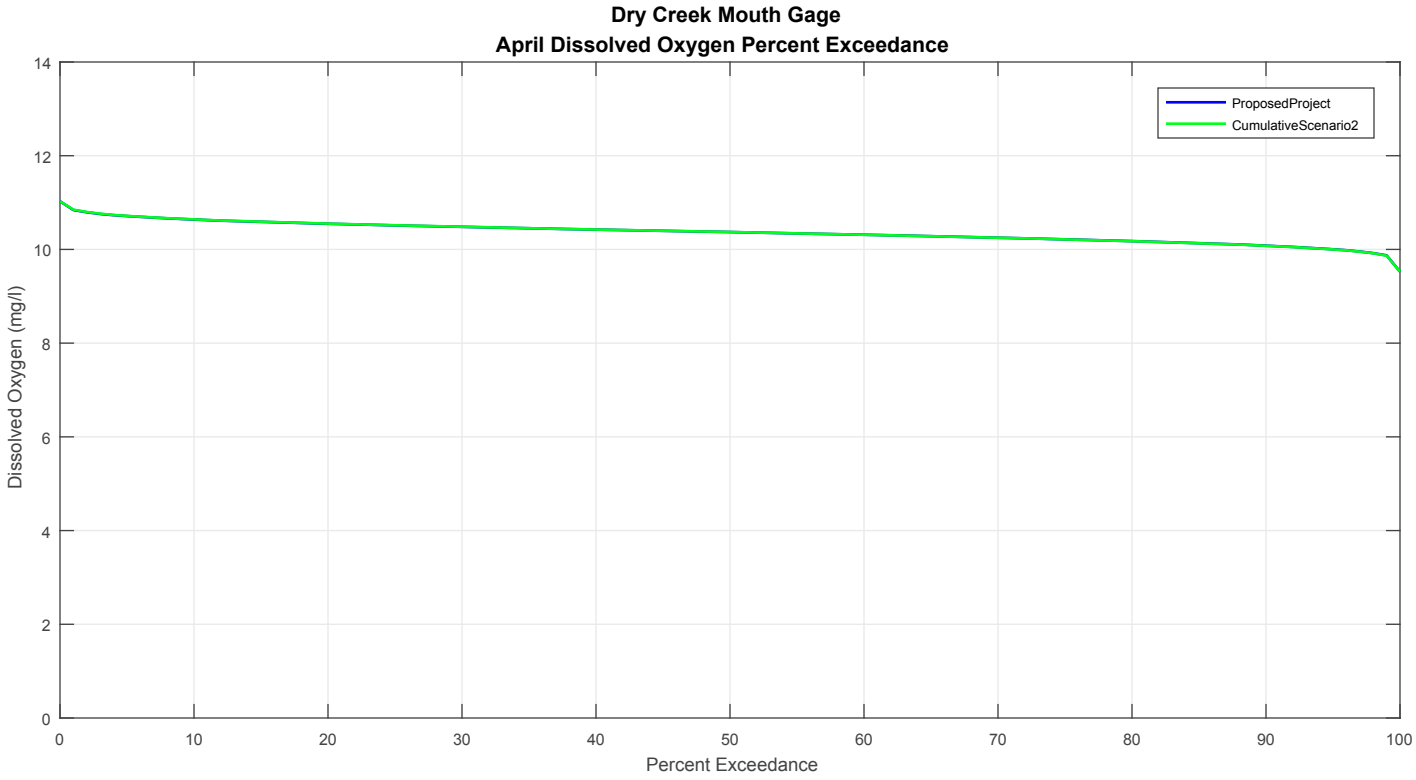
Dry Creek Mouth Gage
April Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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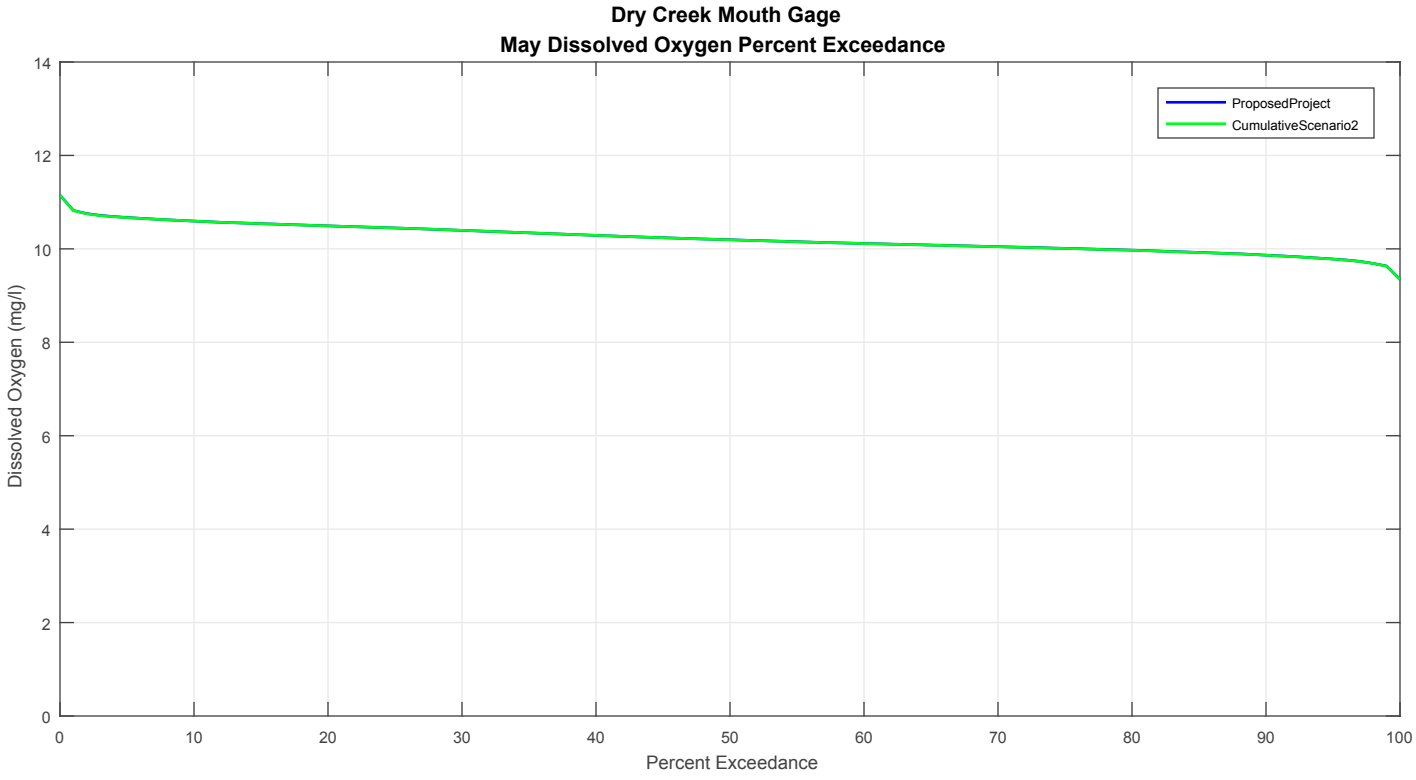
Dry Creek Mouth Gage
May Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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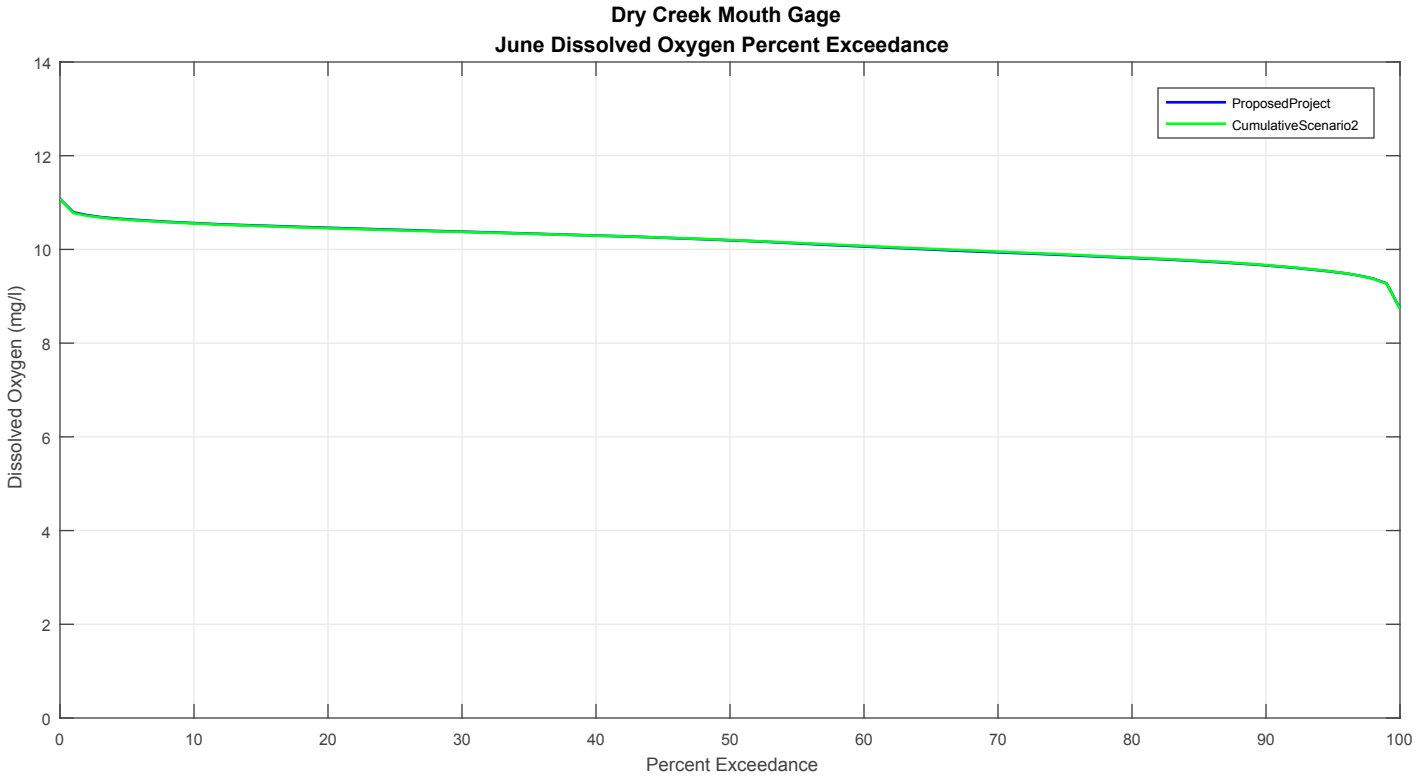
Dry Creek Mouth Gage
June Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
14
0
10
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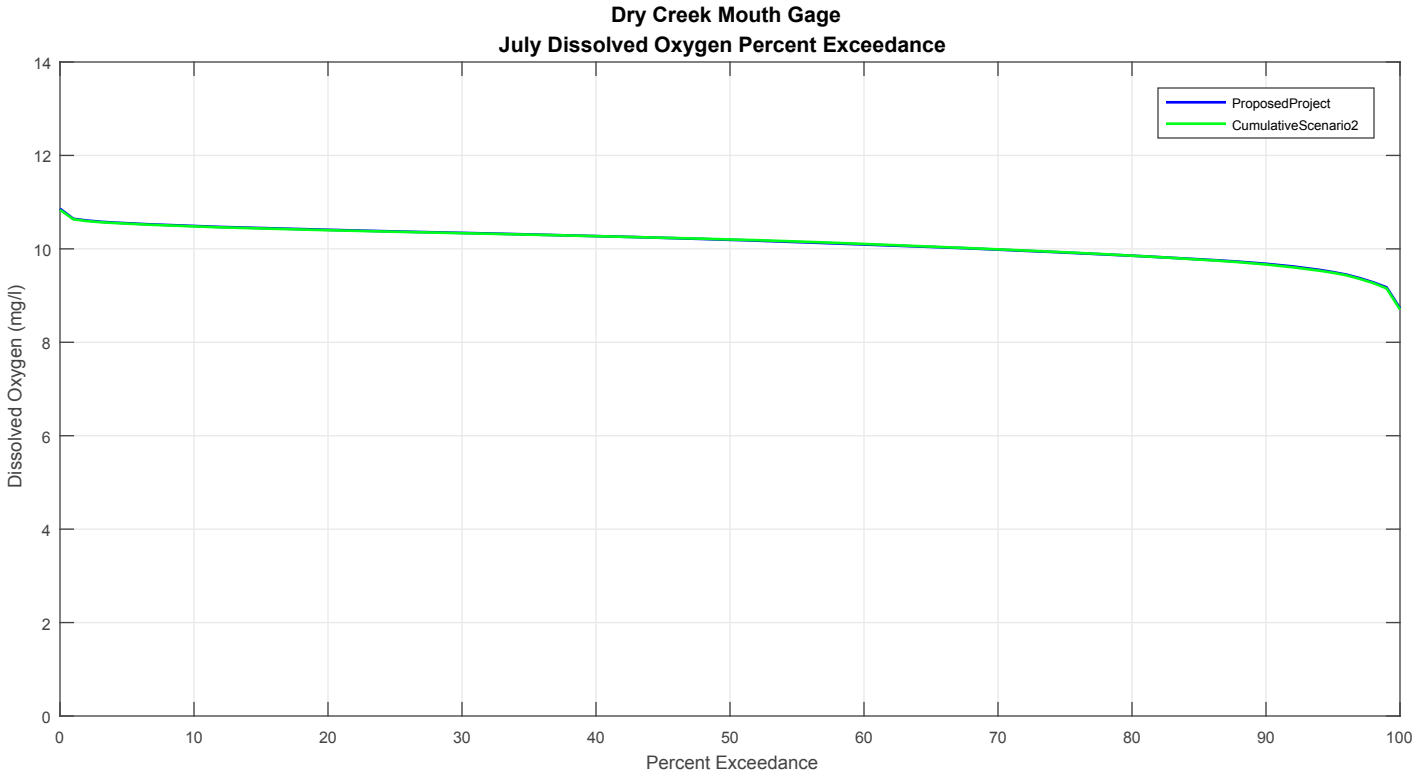
30
40
50
60
70
80
90
100


Dry Creek Mouth Gage
July Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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4
6
8
10
12
14
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30
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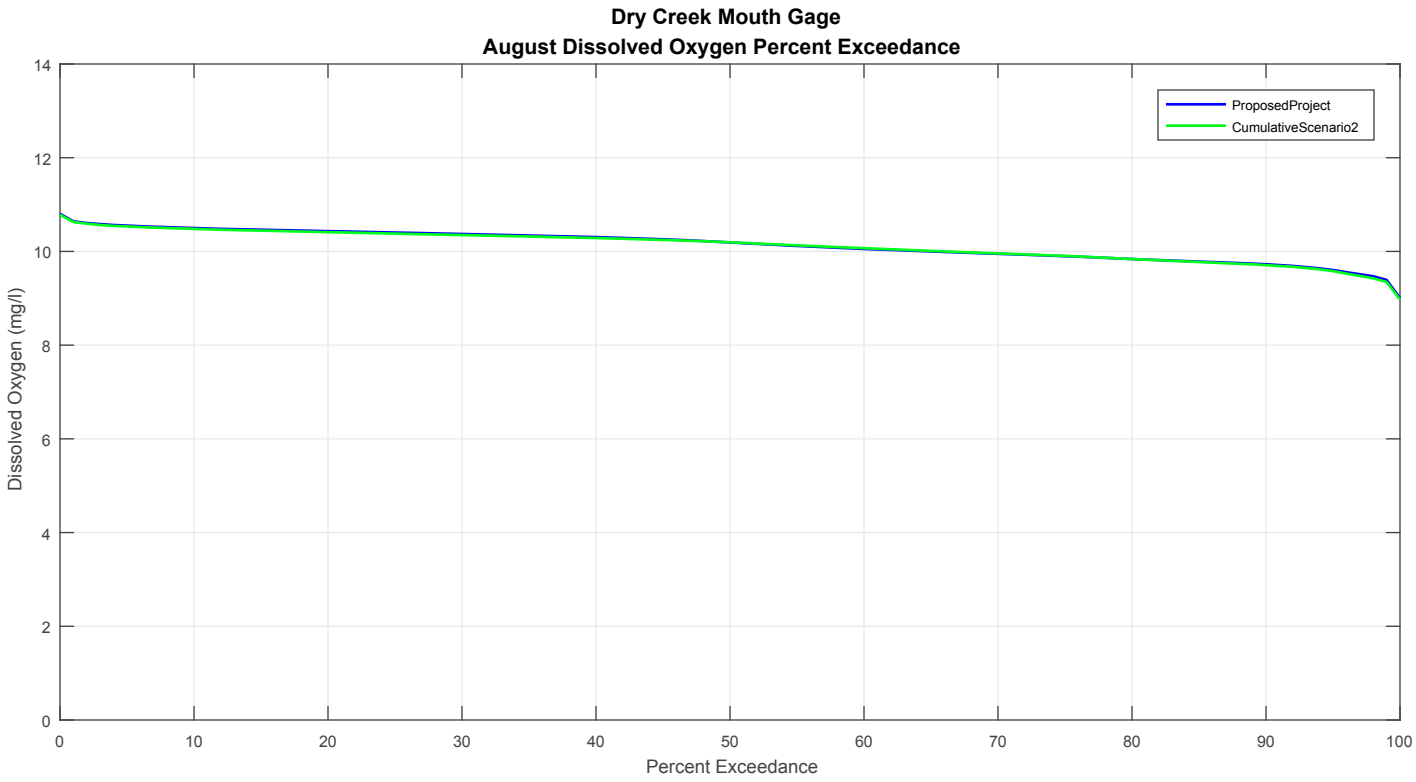
60
70
80
90
100


Dry Creek Mouth Gage
August Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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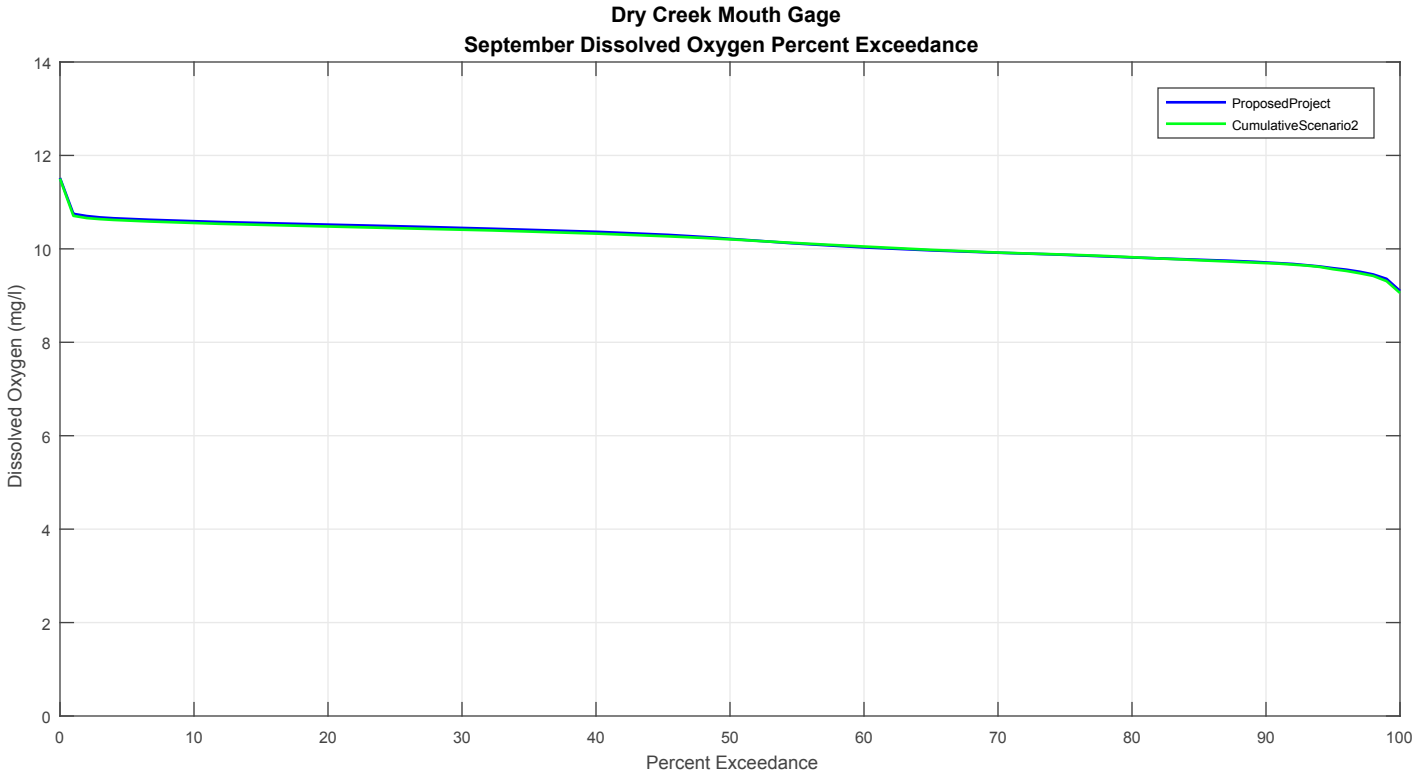
4
6
8
10
12
14
0
10
20
30
40
50
60
70
80
90
100


Dry Creek Mouth Gage
September Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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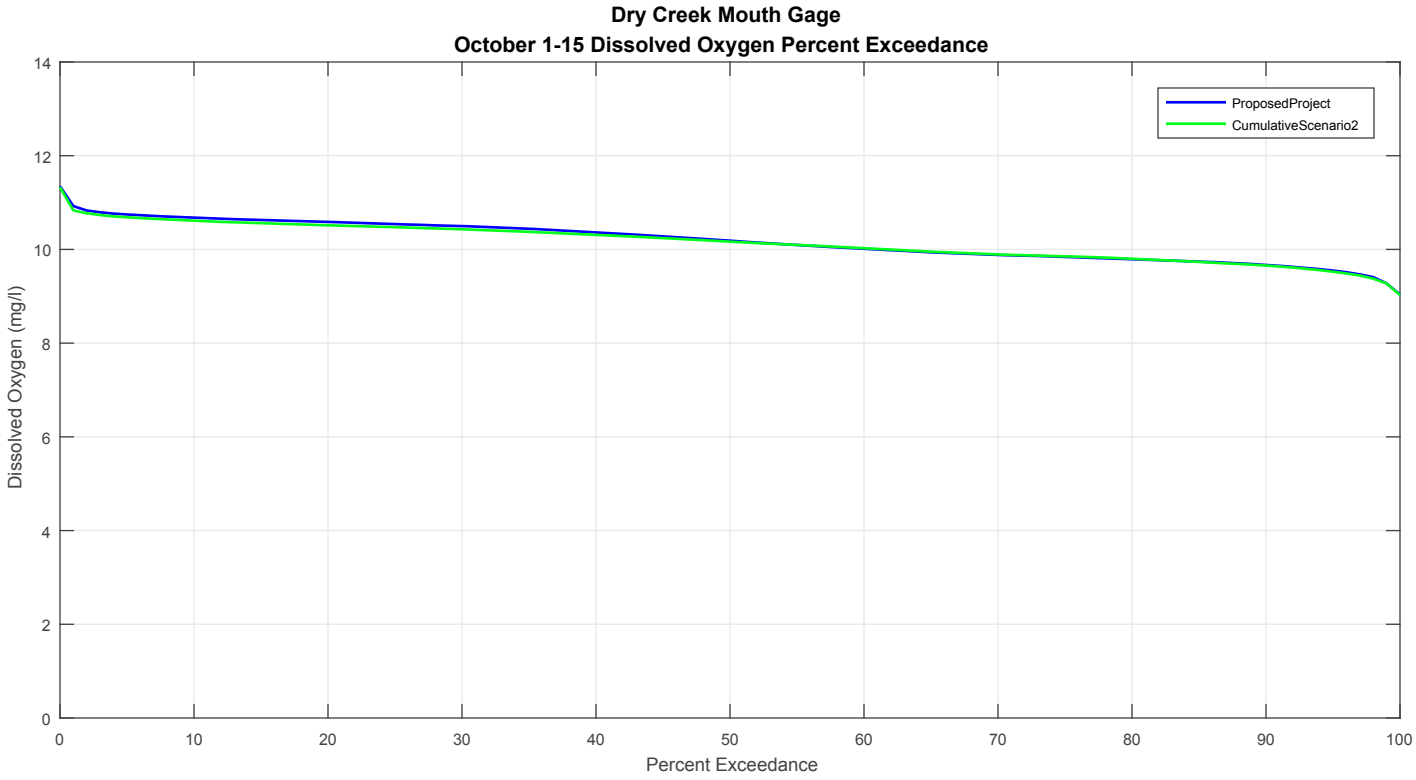
2
4
6
8
10
12
14
0
10
20
30
40
50
60
70
80
90
100


Dry Creek Mouth Gage
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
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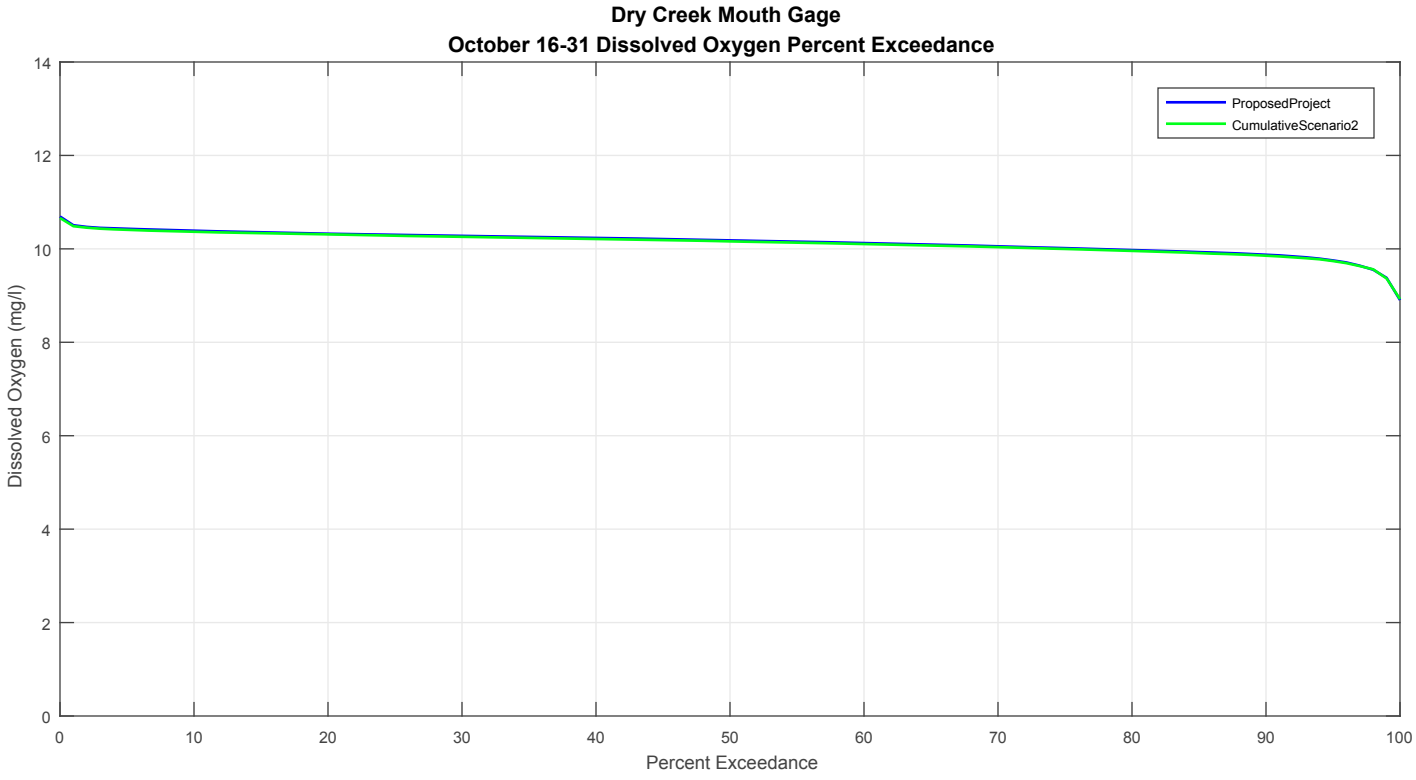
4
6
8
10
12
14
0
10
20
30
40
50
60
70
80
90
100

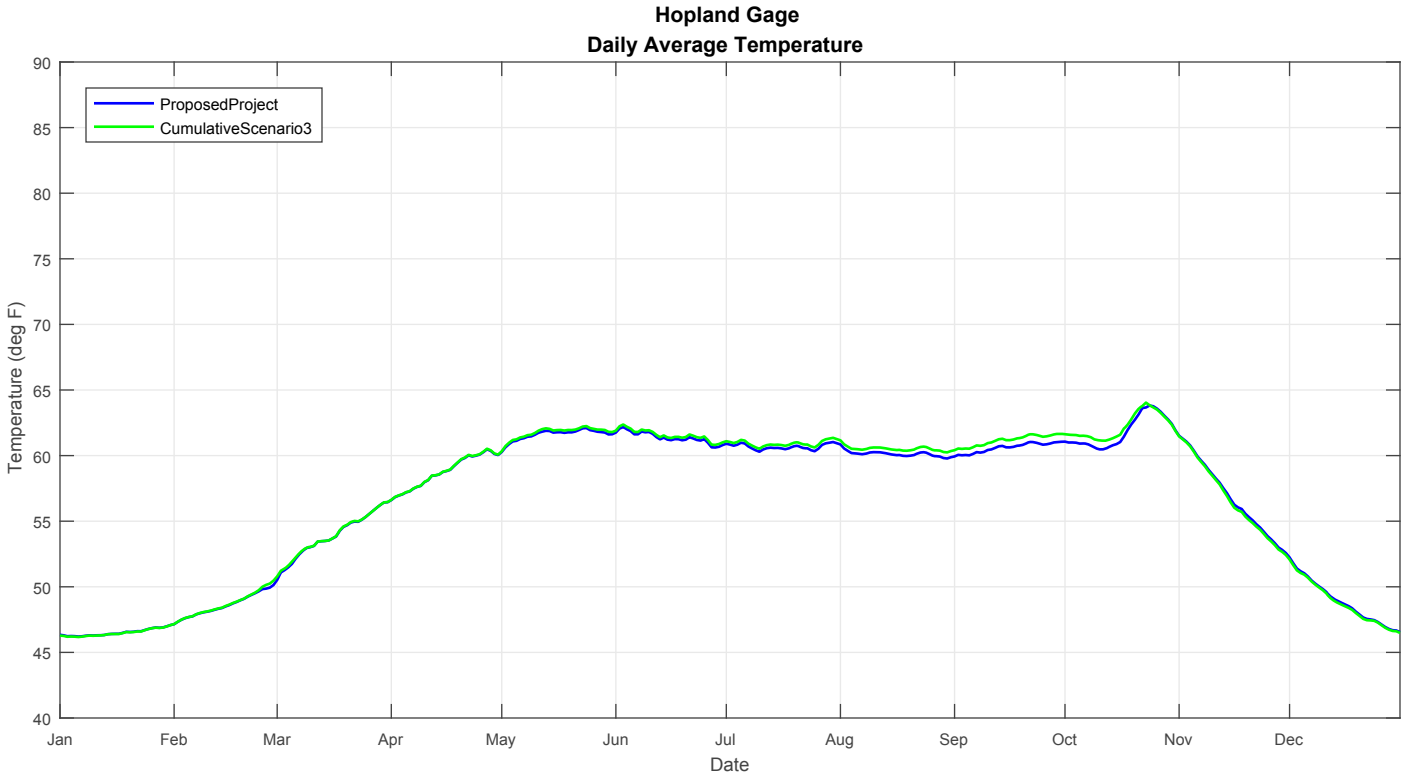

Dry Creek Mouth Gage
October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario2
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
14
0
10
20
30
40
50
60
70
80
90
100

**Errata Item 7**

**Appendix G, Modeling Reports**

**Russian River Hydrologic Modeling for the Fish Habitat Flow and Water Rights Project, Attachment 6**

**Pages: 15 - 19, 22 - 26, 119 - 163, 177 - 221**


Hopland Gage
Daily Average Temperature
ProposedProject
CumulativeScenario3
Temperature (deg F)
90
85
80
75
70
65
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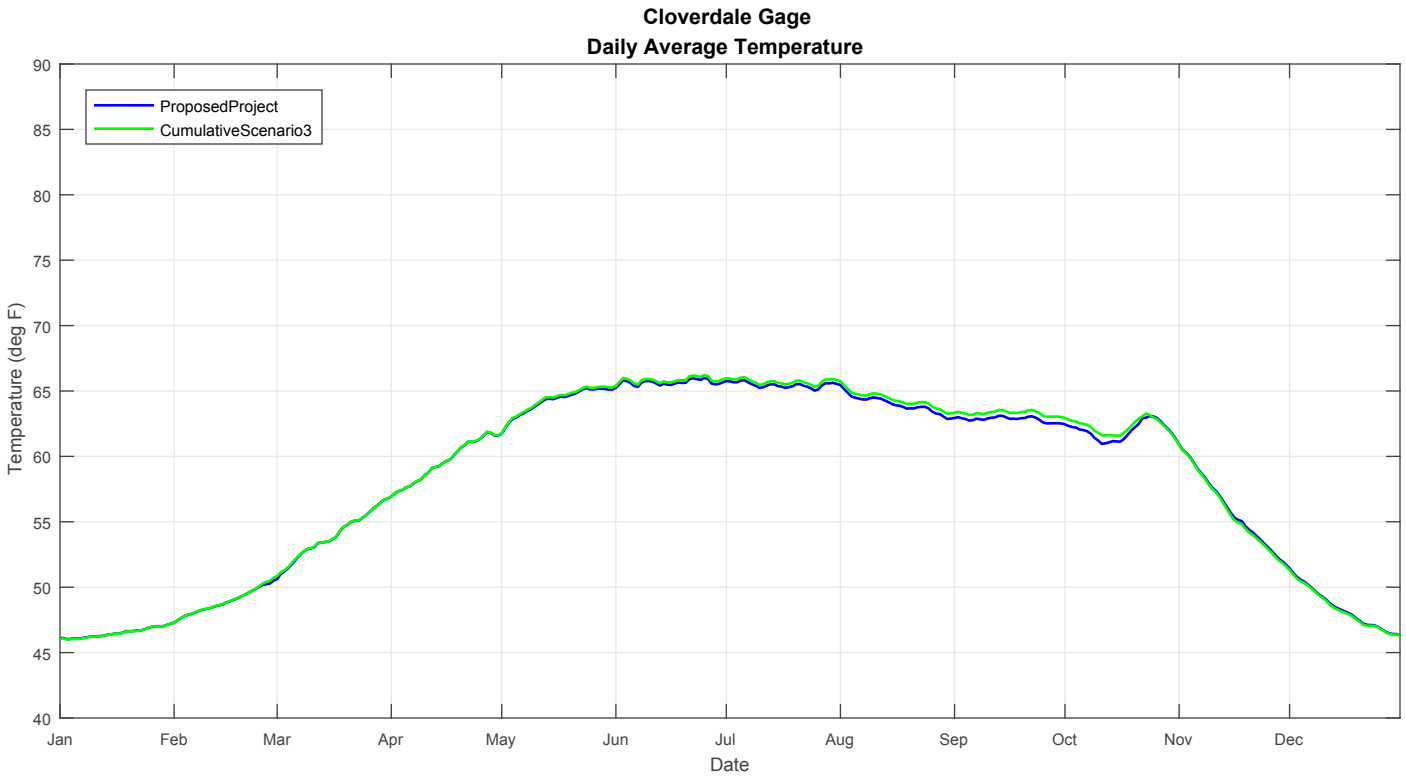
55
50
45
40
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date


Cloverdale Gage
Daily Average Temperature
ProposedProject
CumulativeScenario3
Temperature (deg F)
90
85
80
75
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50
45
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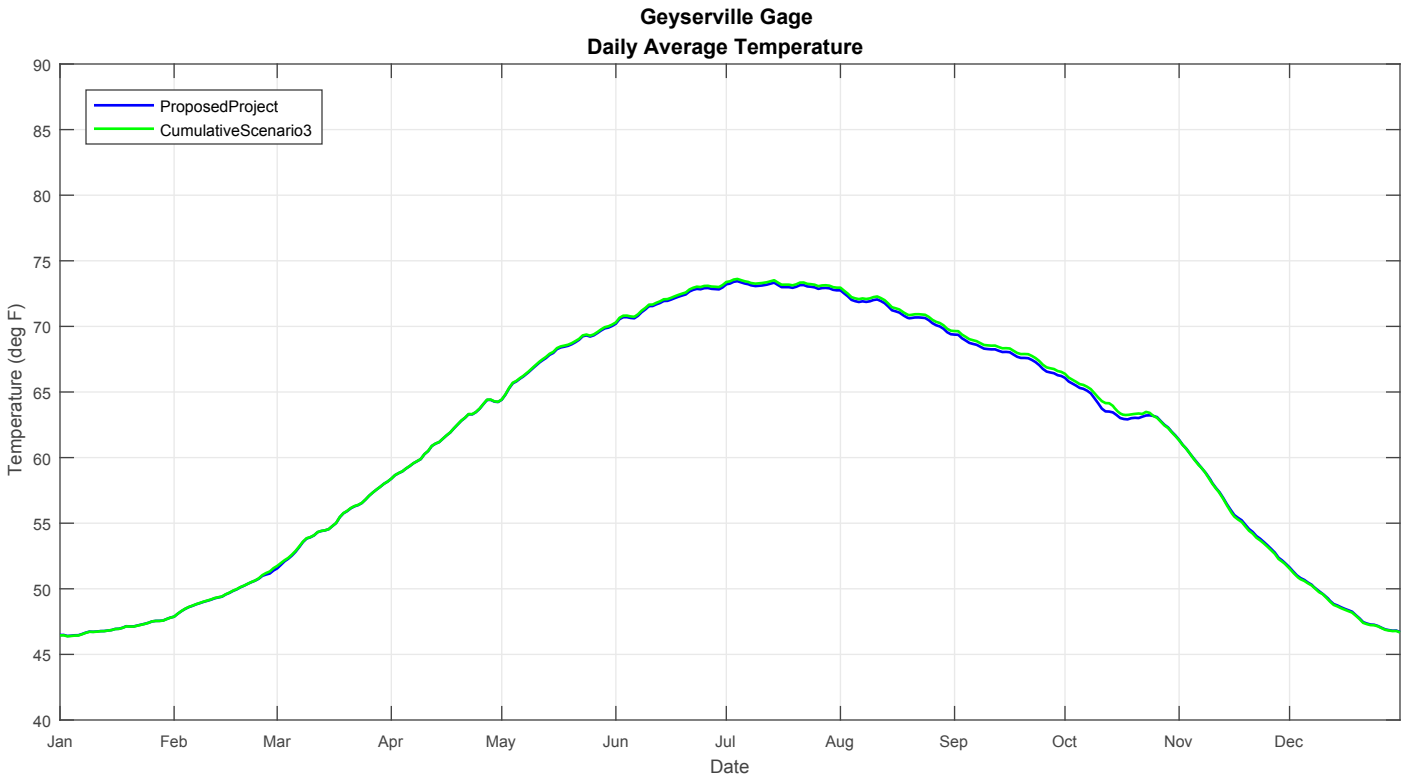
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date


Geyserville Gage
Daily Average Temperature
ProposedProject
CumulativeScenario3
Temperature (deg F)
90
85
80
75
70
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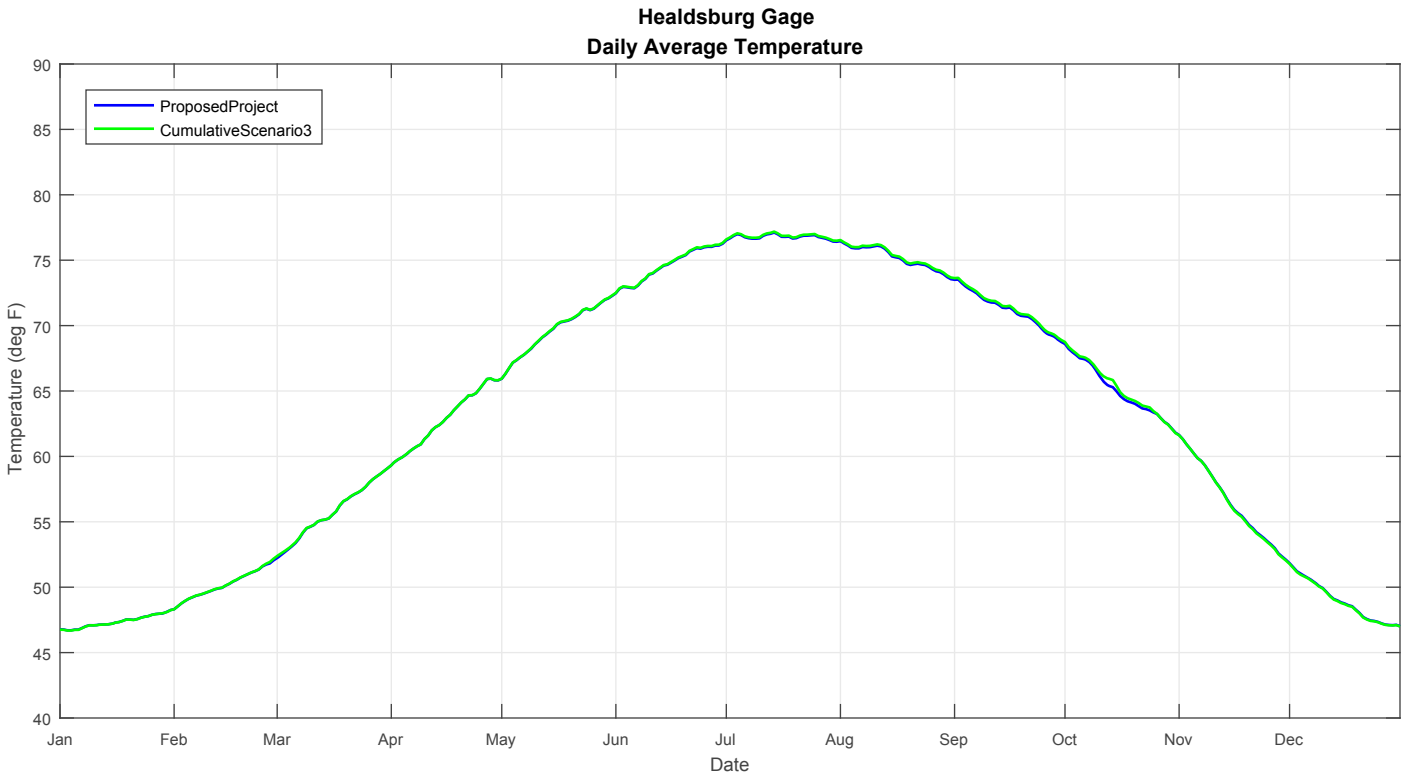
55
50
45
40
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date


Healdsburg Gage
Daily Average Temperature
ProposedProject
CumulativeScenario3
Temperature (deg F)
90
85
80
75
70
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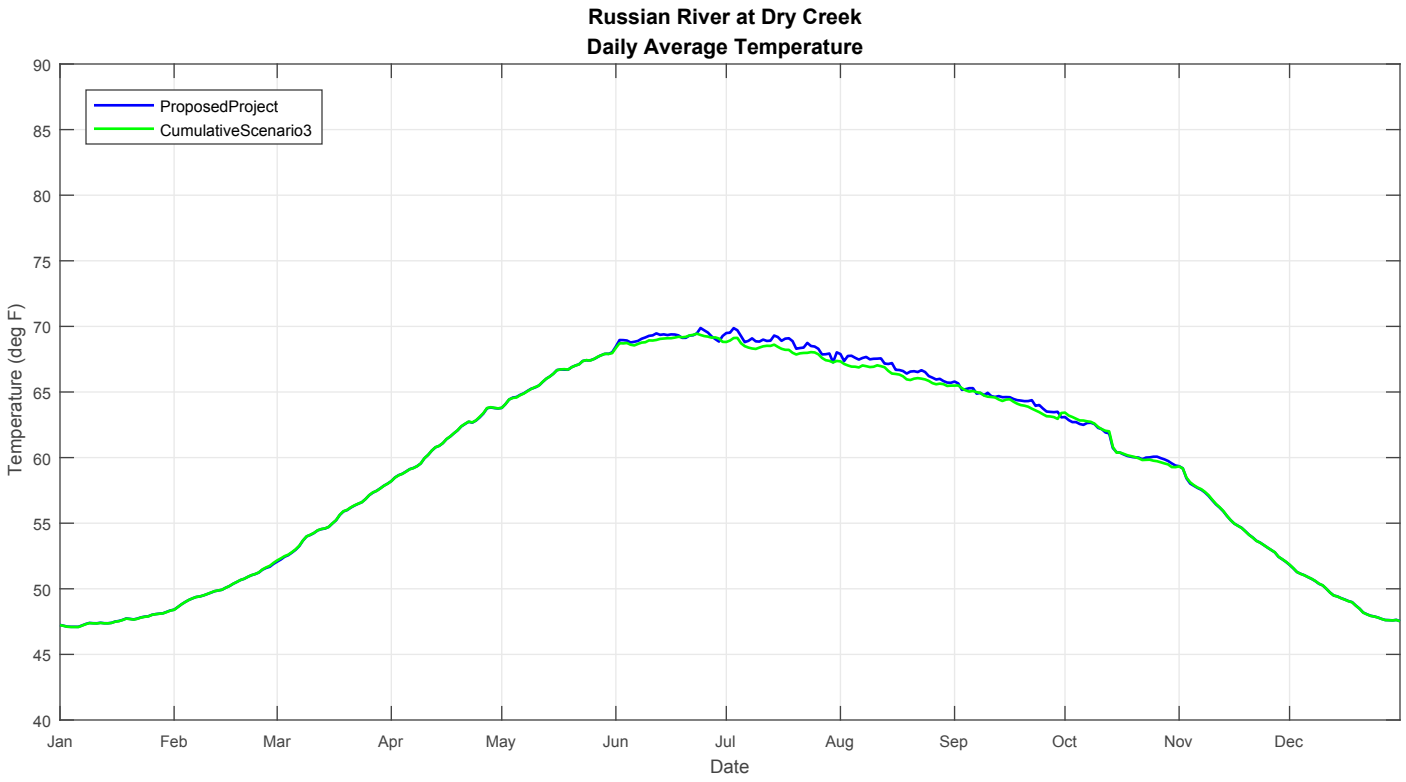
50
45
40
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date


Russian River at Dry Creek
Daily Average Temperature
ProposedProject
CumulativeScenario3
Temperature (deg F)
90
85
80
75
70
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60
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50
45
40
Jan
Feb
Mar
Apr
May
Jun
Jul
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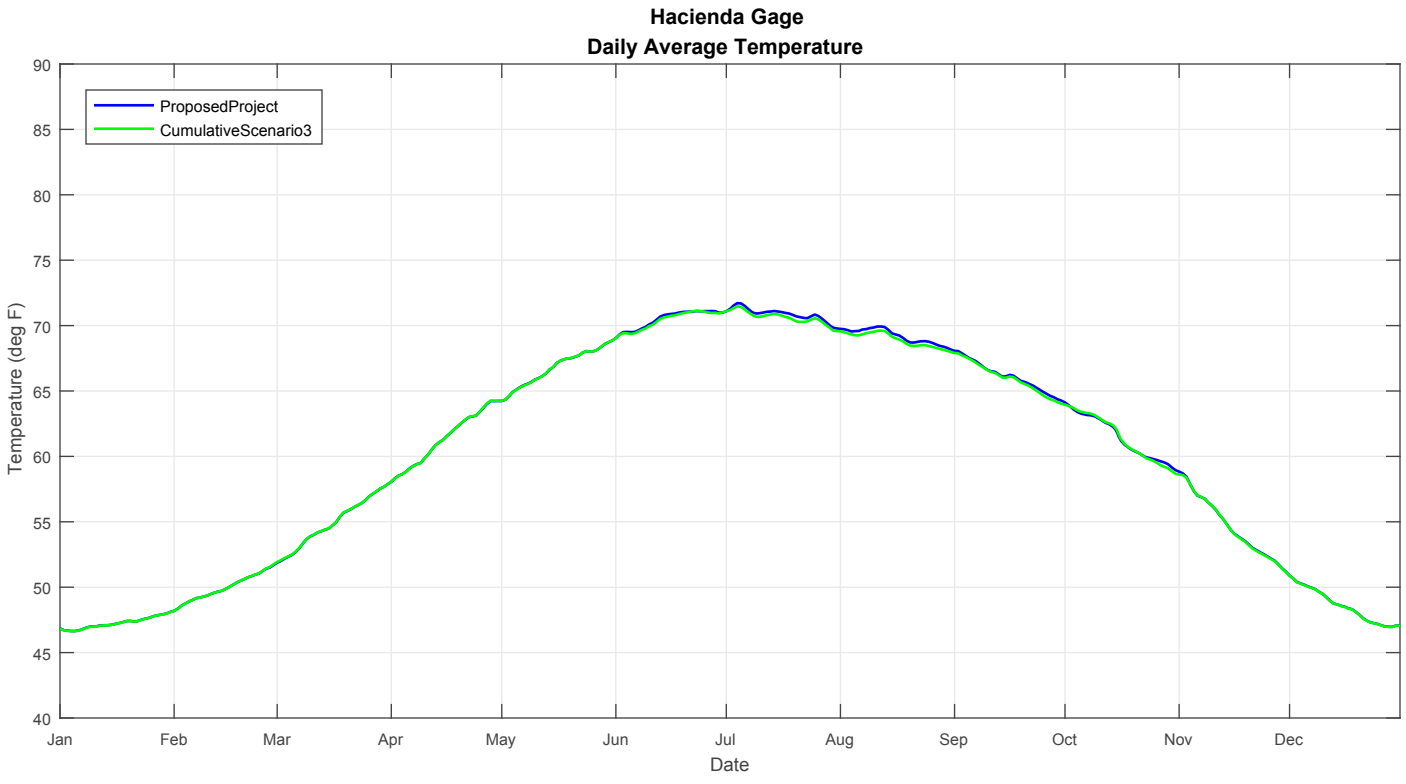
Oct
Nov
Dec
Date


Hacienda Gage
Daily Average Temperature
ProposedProject
CumulativeScenario3
Temperature (deg F)
90
85
80
75
70
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50
45
40
Jan
Feb
Mar
Apr
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Jun
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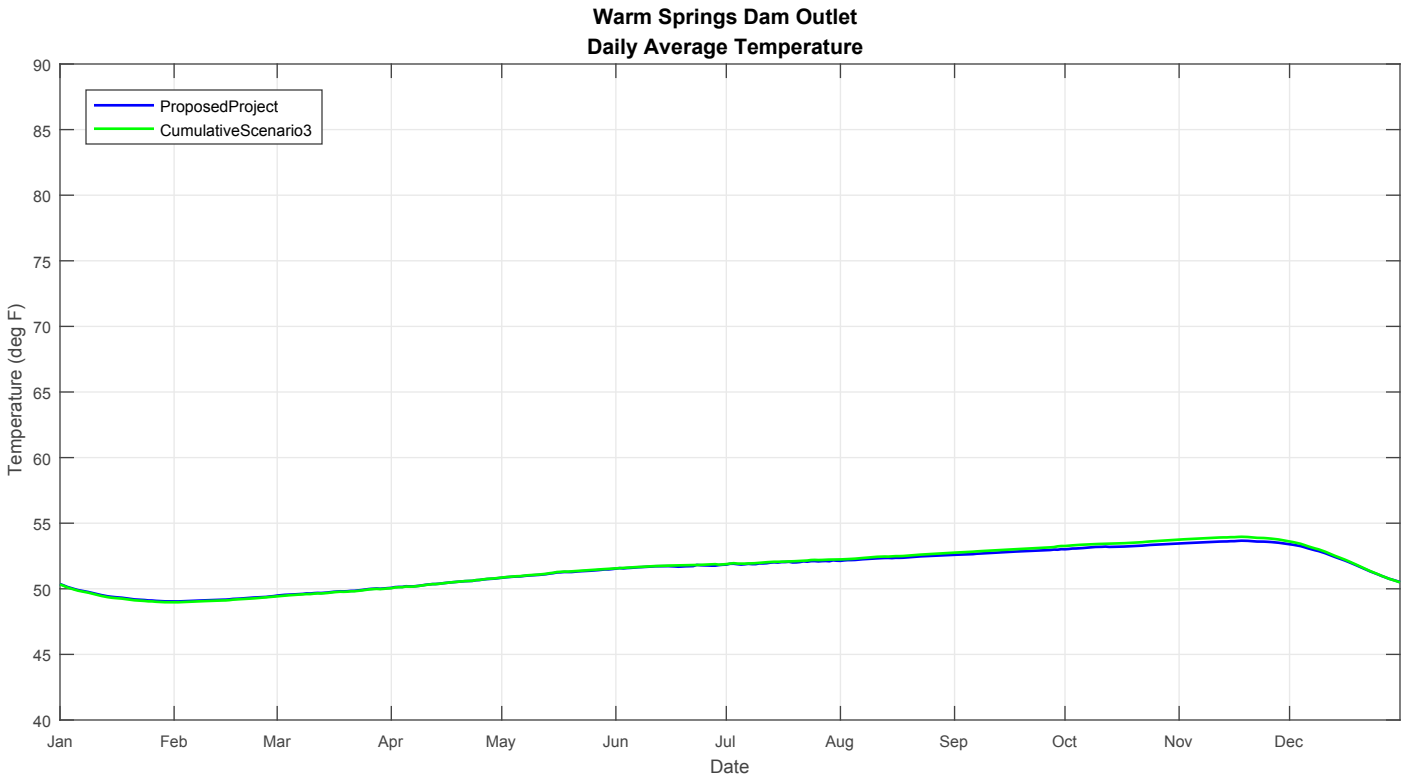
Oct
Nov
Dec
Date


Warm Springs Dam Outlet
Daily Average Temperature
ProposedProject
CumulativeScenario3
Temperature (deg F)
90
85
80
75
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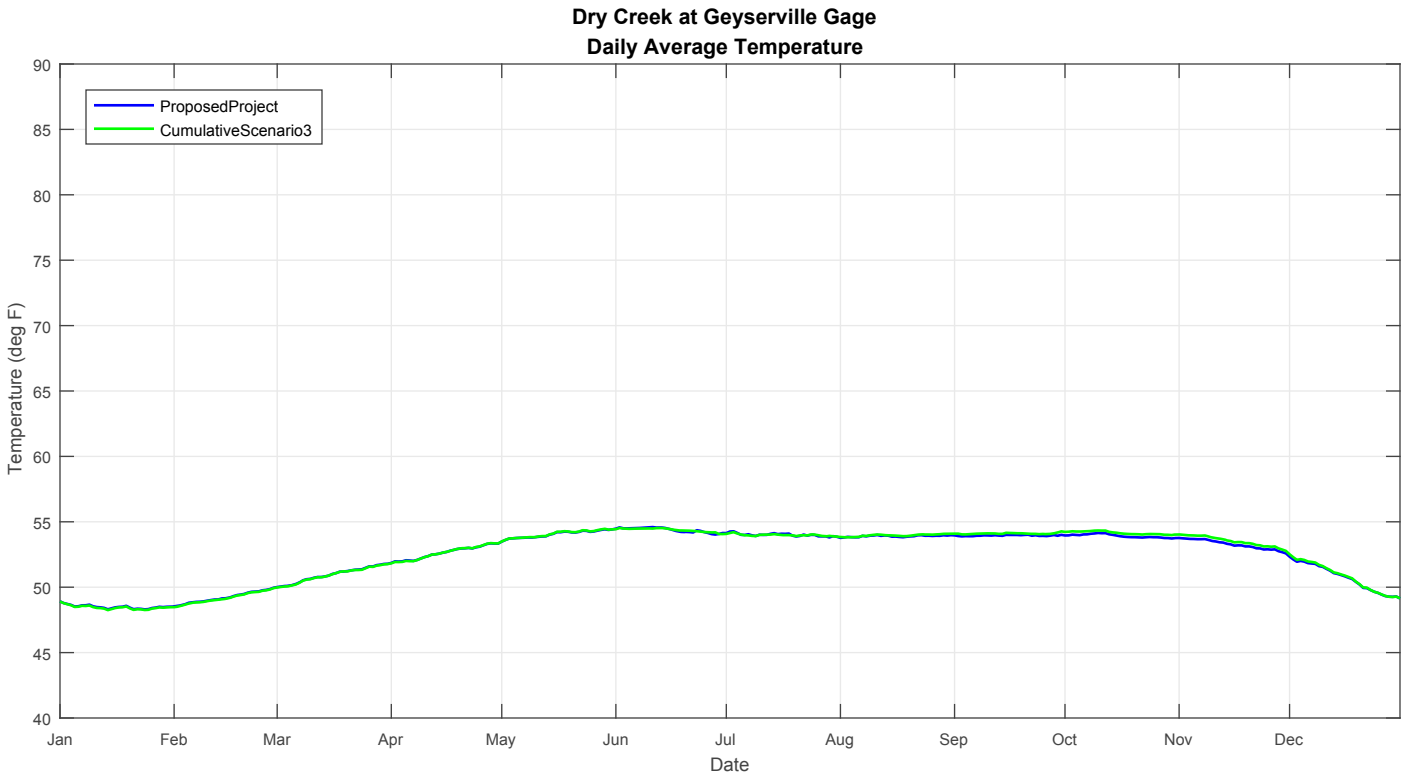
50
45
40
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date


Dry Creek at Geyserville Gage
Daily Average Temperature
ProposedProject
CumulativeScenario3
Temperature (deg F)
90
85
80
75
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50
45
40
Jan
Feb
Mar
Apr
May
Jun
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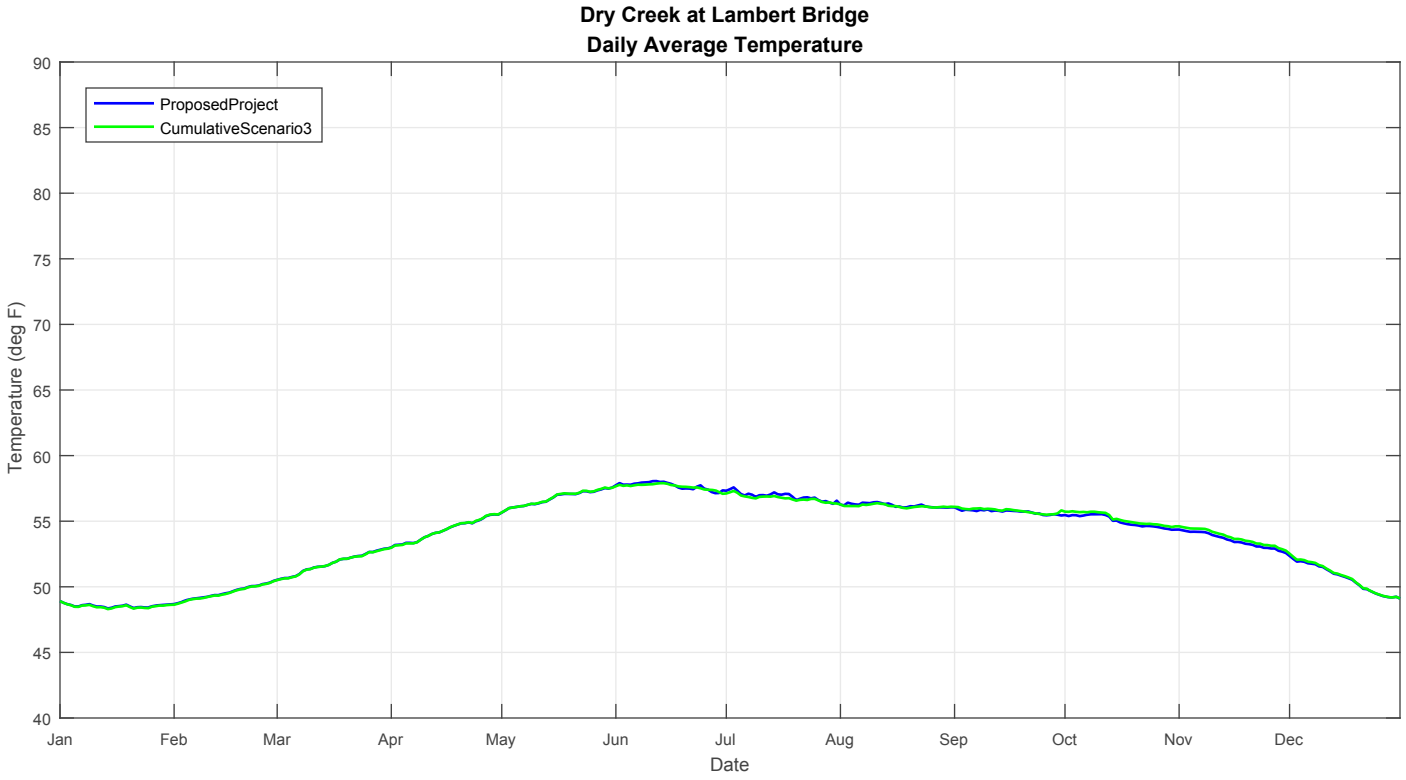
Aug
Sep
Oct
Nov
Dec
Date


Dry Creek at Lambert Bridge
Daily Average Temperature
ProposedProject
CumulativeScenario3
Temperature (deg F)
90
85
80
75
70
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60
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50
45
40
Jan
Feb
Mar
Apr
May
Jun
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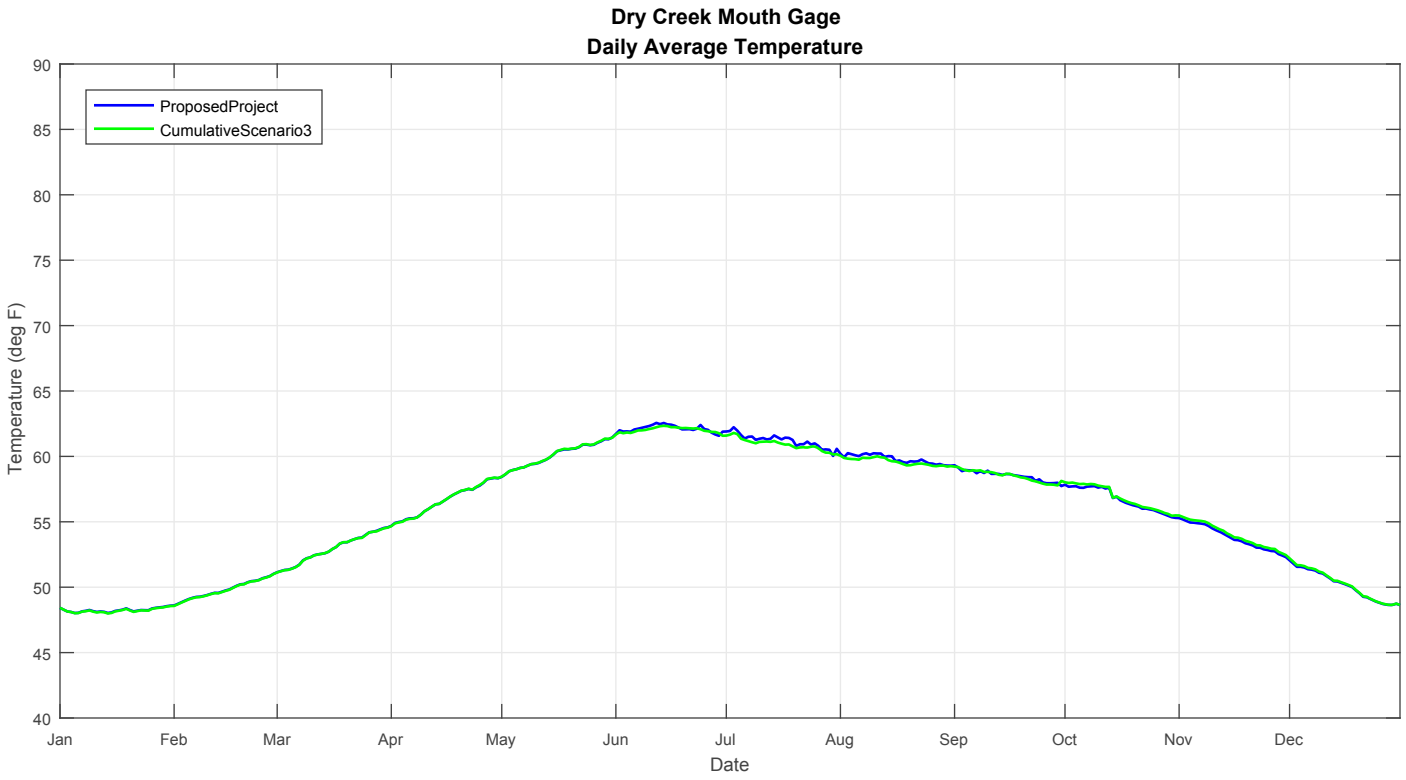
Aug
Sep
Oct
Nov
Dec
Date


Dry Creek Mouth Gage
Daily Average Temperature
ProposedProject
CumulativeScenario3
Temperature (deg F)
90
85
80
75
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60
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50
45
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Jan
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Mar
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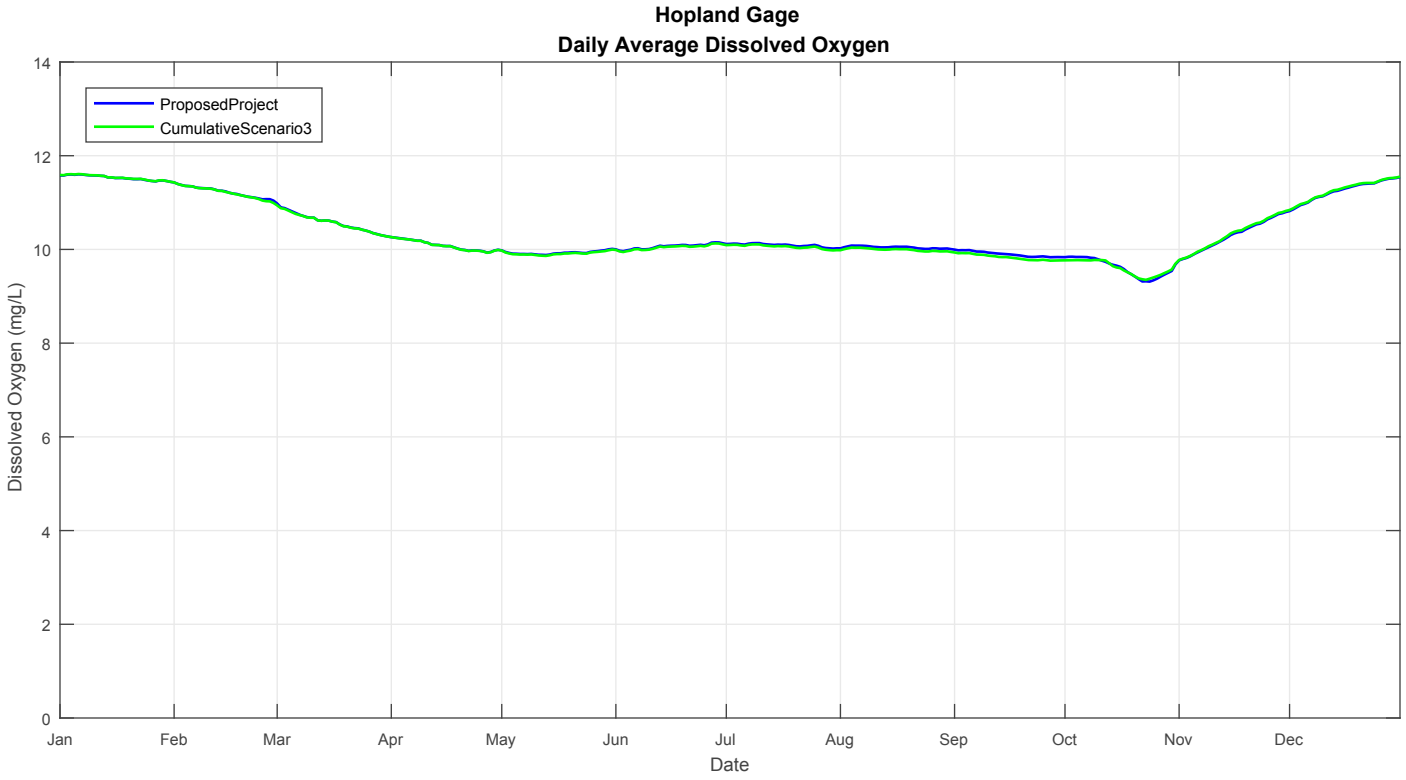
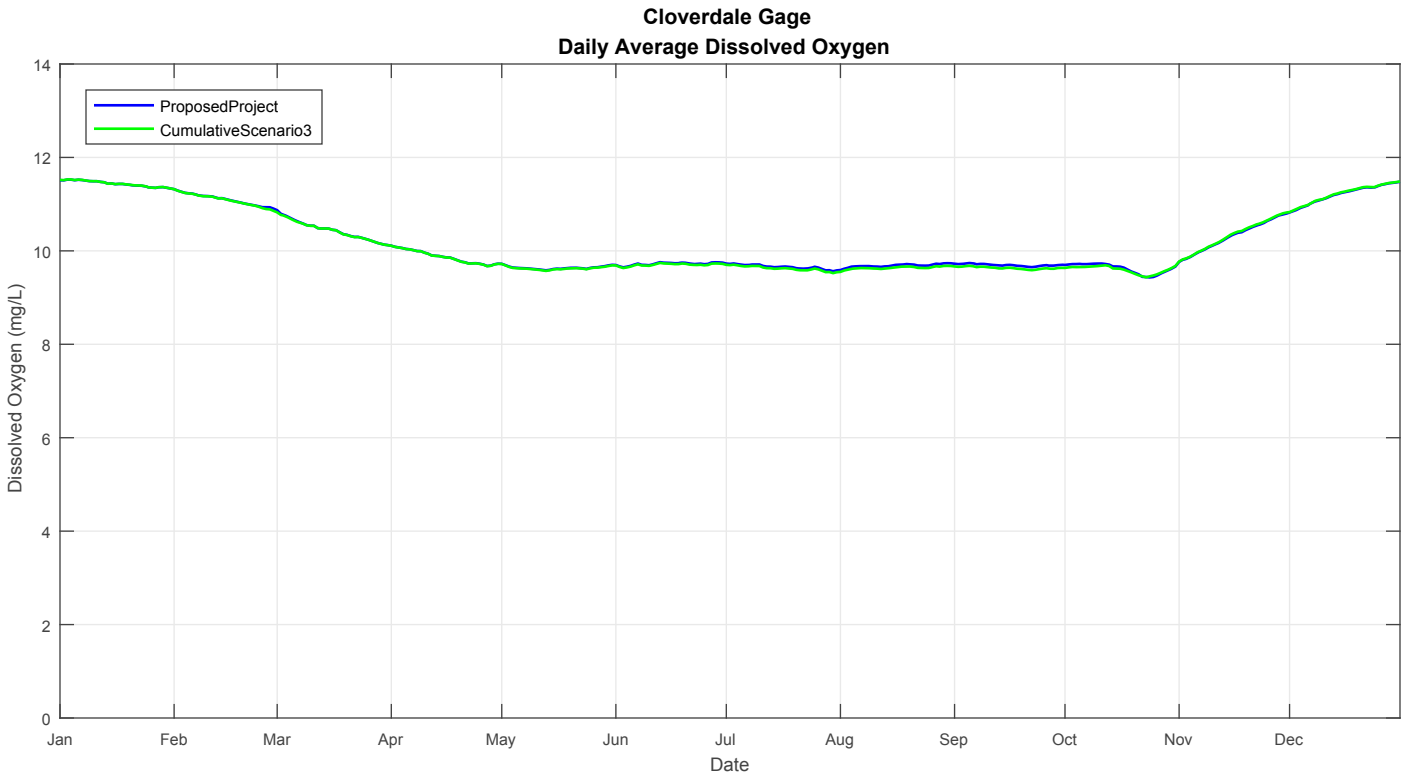
Nov
Dec
Date


Hopland Gage
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/L)
0
2
4
6
8
10
12
14
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date


Cloverdale Gage
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/L)
0
2
4
6
8
10
12
14
Jan
Feb
Mar
Apr
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Jun
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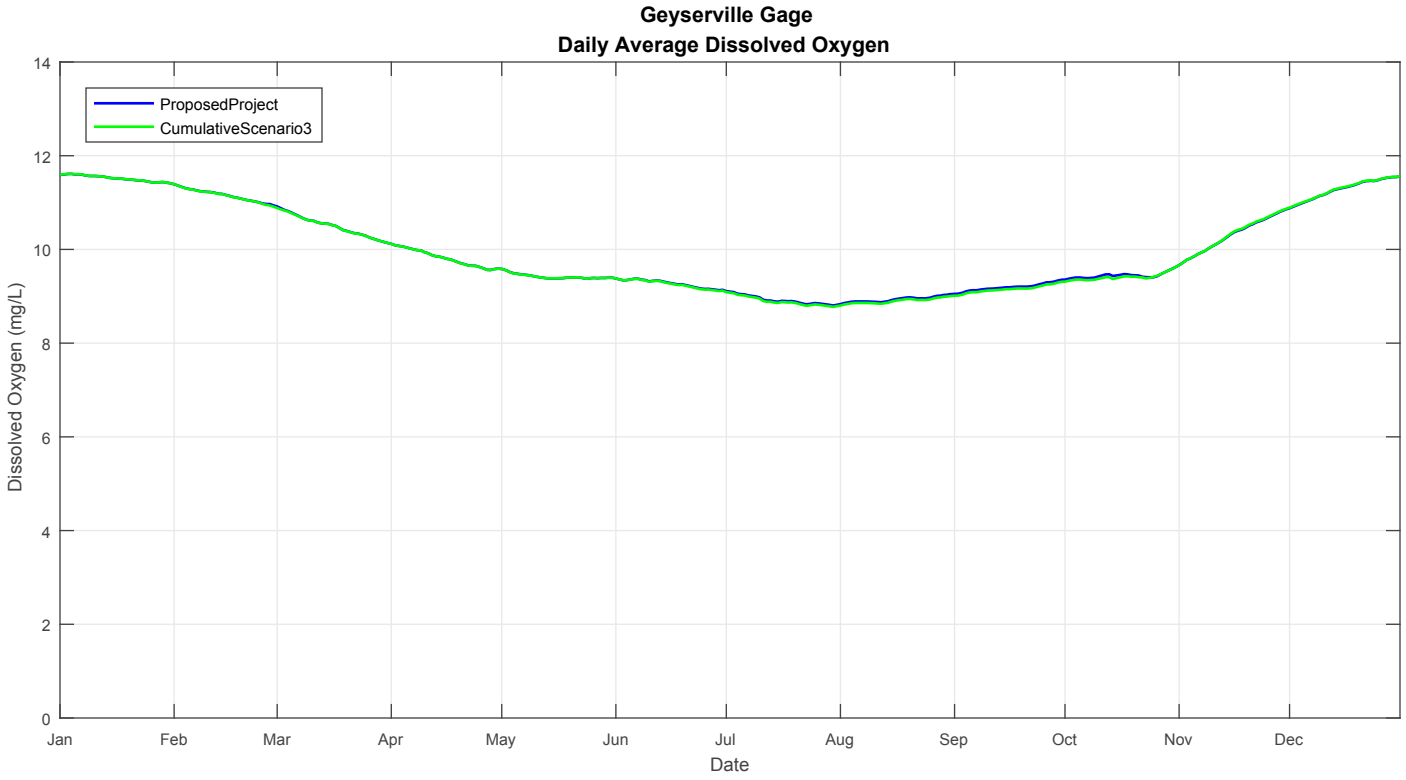
Nov
Dec
Date


Geyserville Gage
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/L)
0
2
4
6
8
10
12
14
Jan
Feb
Mar
Apr
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Jun
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Aug
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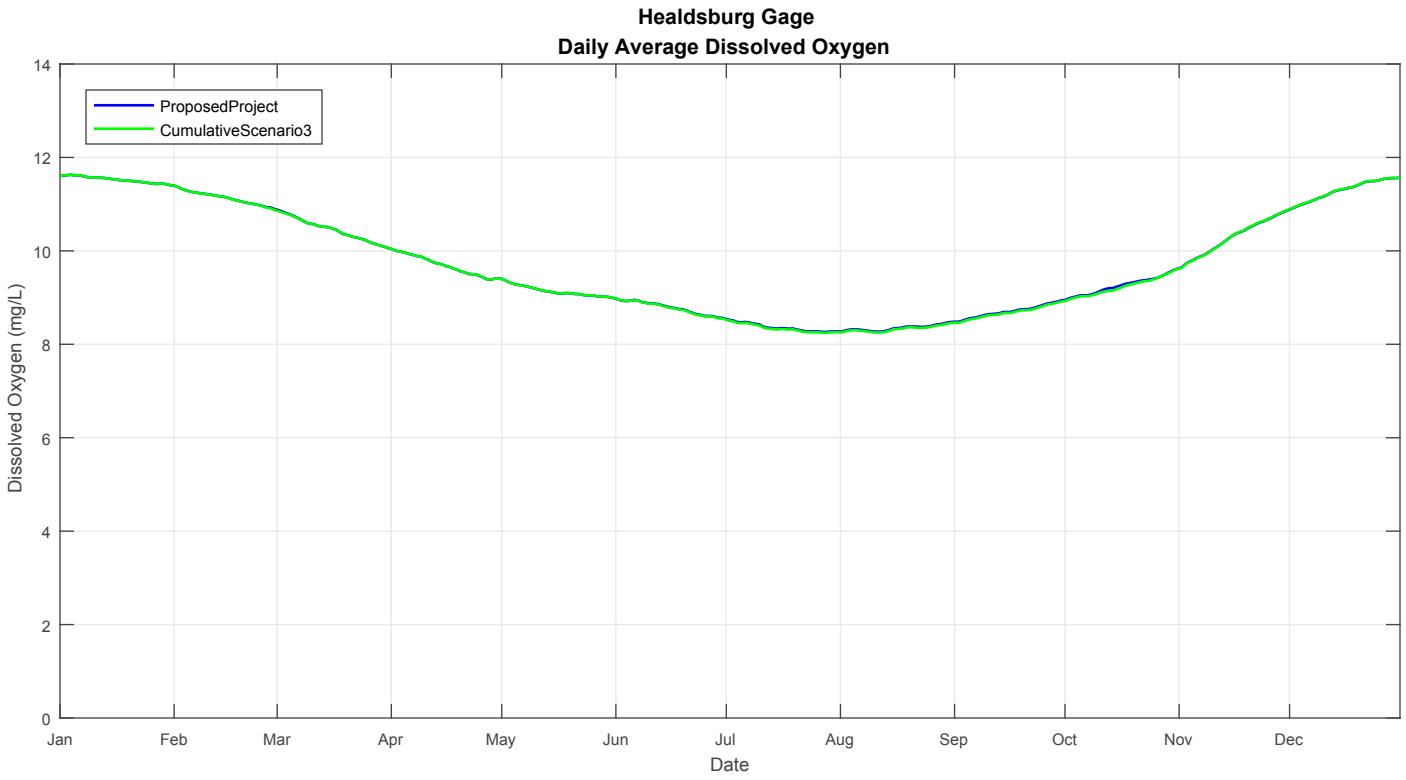
Dec
Date


Healdsburg Gage
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/L)
0
2
4
6
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12
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Jan
Feb
Mar
Apr
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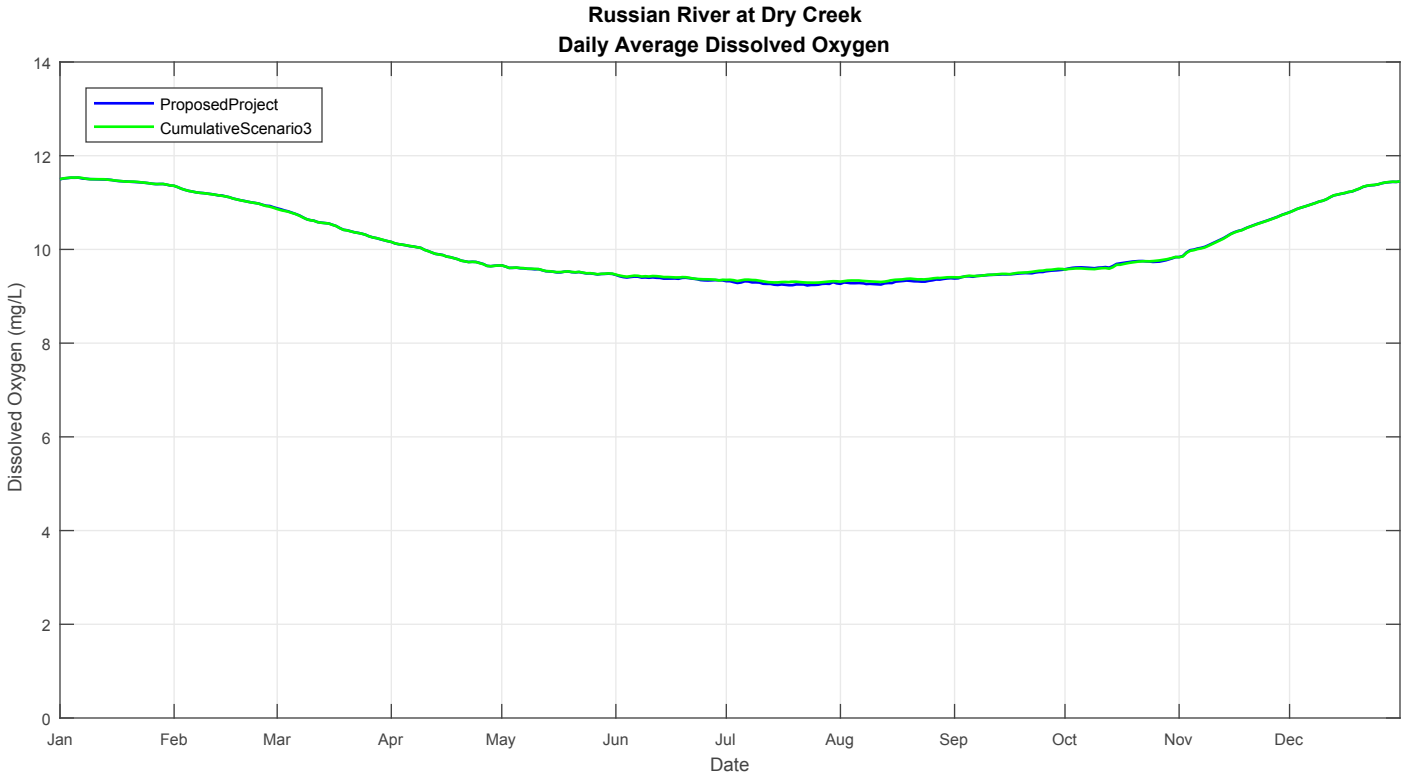
Date


Russian River at Dry Creek
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/L)
0
2
4
6
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12
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Jan
Feb
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Apr
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Jun
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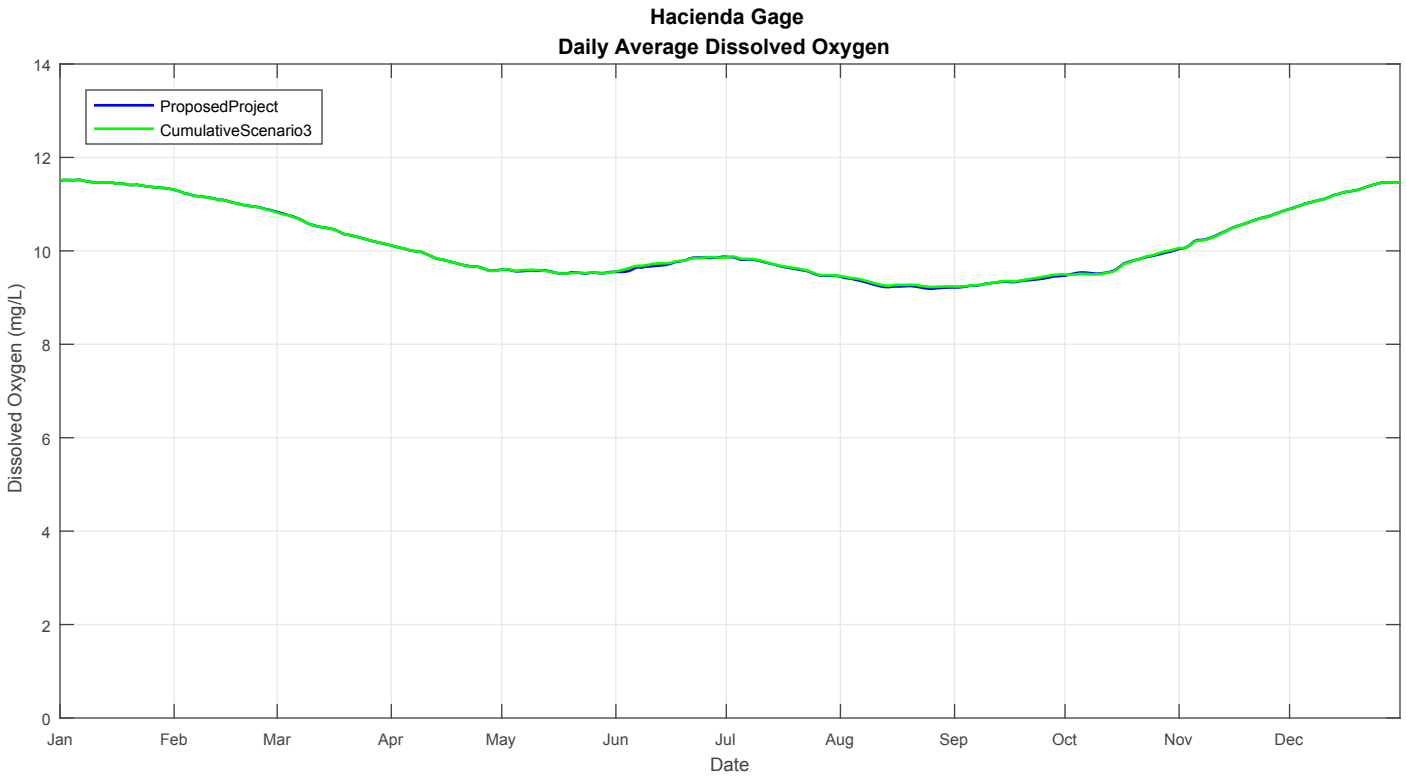
Hacienda Gage
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/L)
0
2
4
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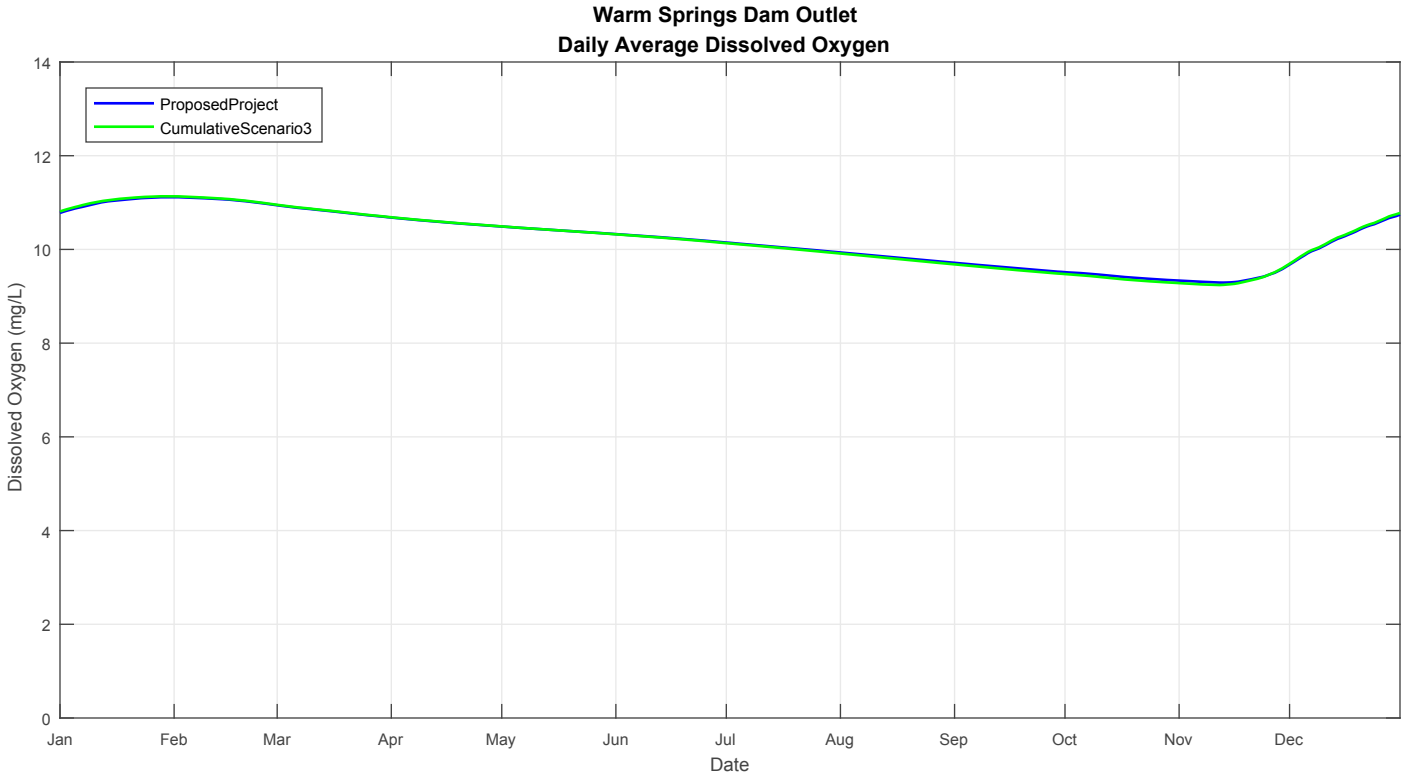
Dec
Date


Warm Springs Dam Outlet
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/L)
0
2
4
6
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12
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Jan
Feb
Mar
Apr
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Jun
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Aug
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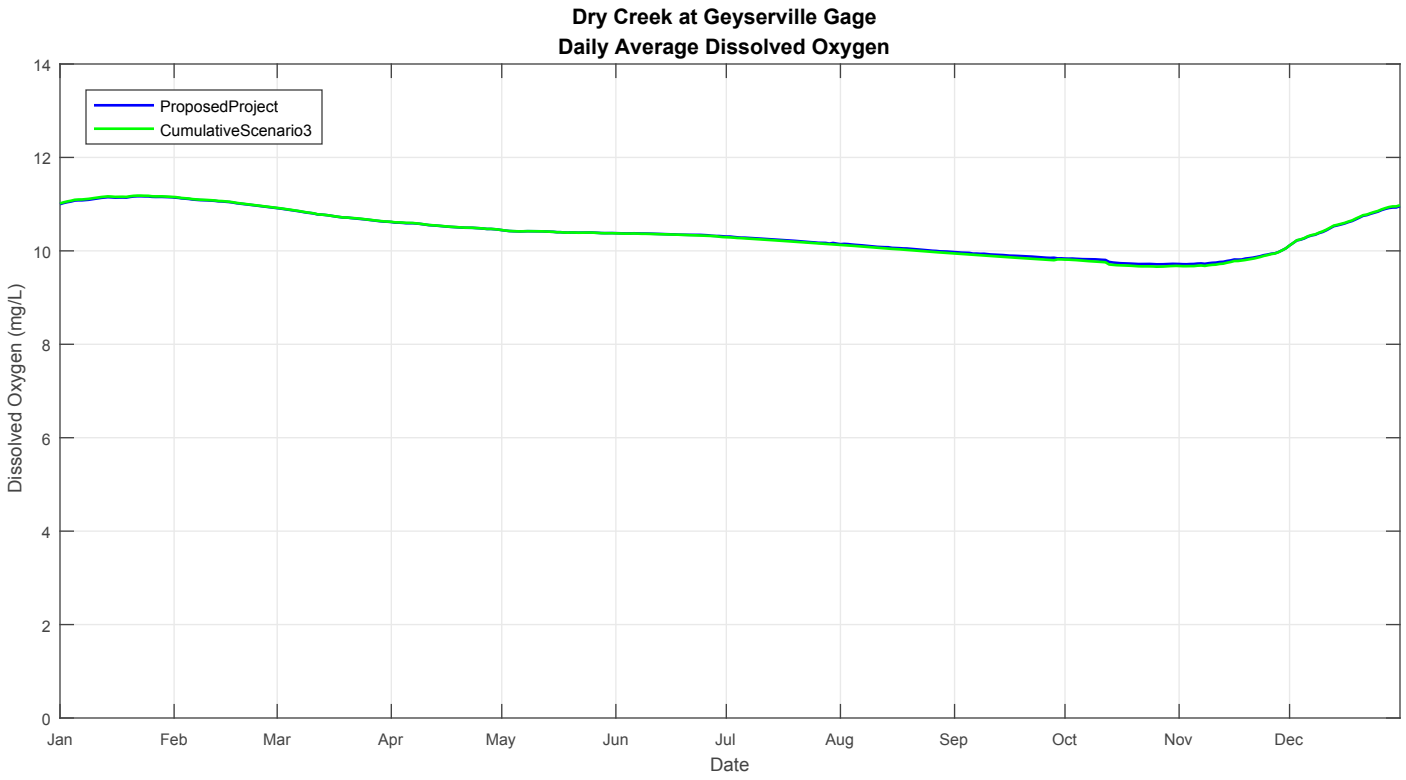
Nov
Dec
Date


Dry Creek at Geyserville Gage
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/L)
0
2
4
6
8
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12
14
Jan
Feb
Mar
Apr
May
Jun
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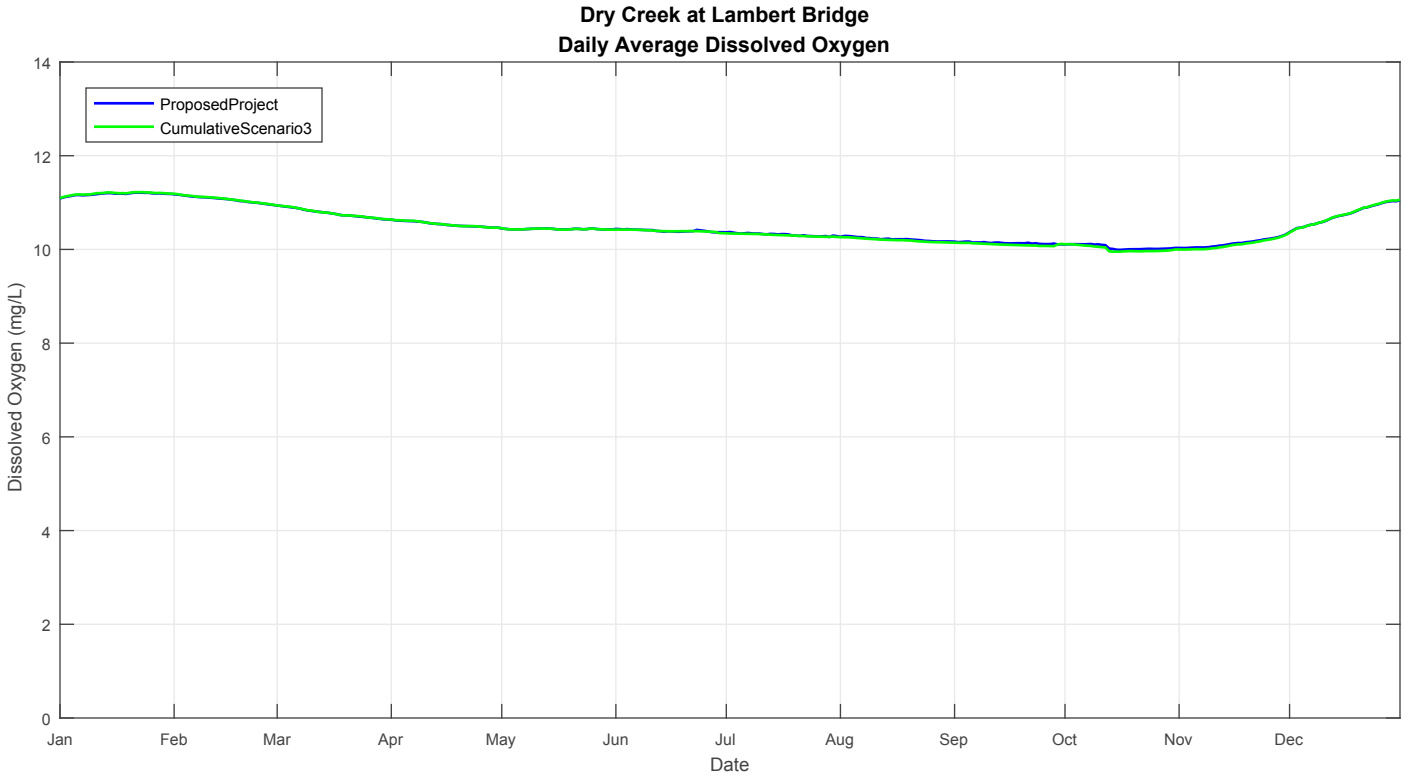
Date


Dry Creek at Lambert Bridge
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/L)
0
2
4
6
8
10
12
14
Jan
Feb
Mar
Apr
May
Jun
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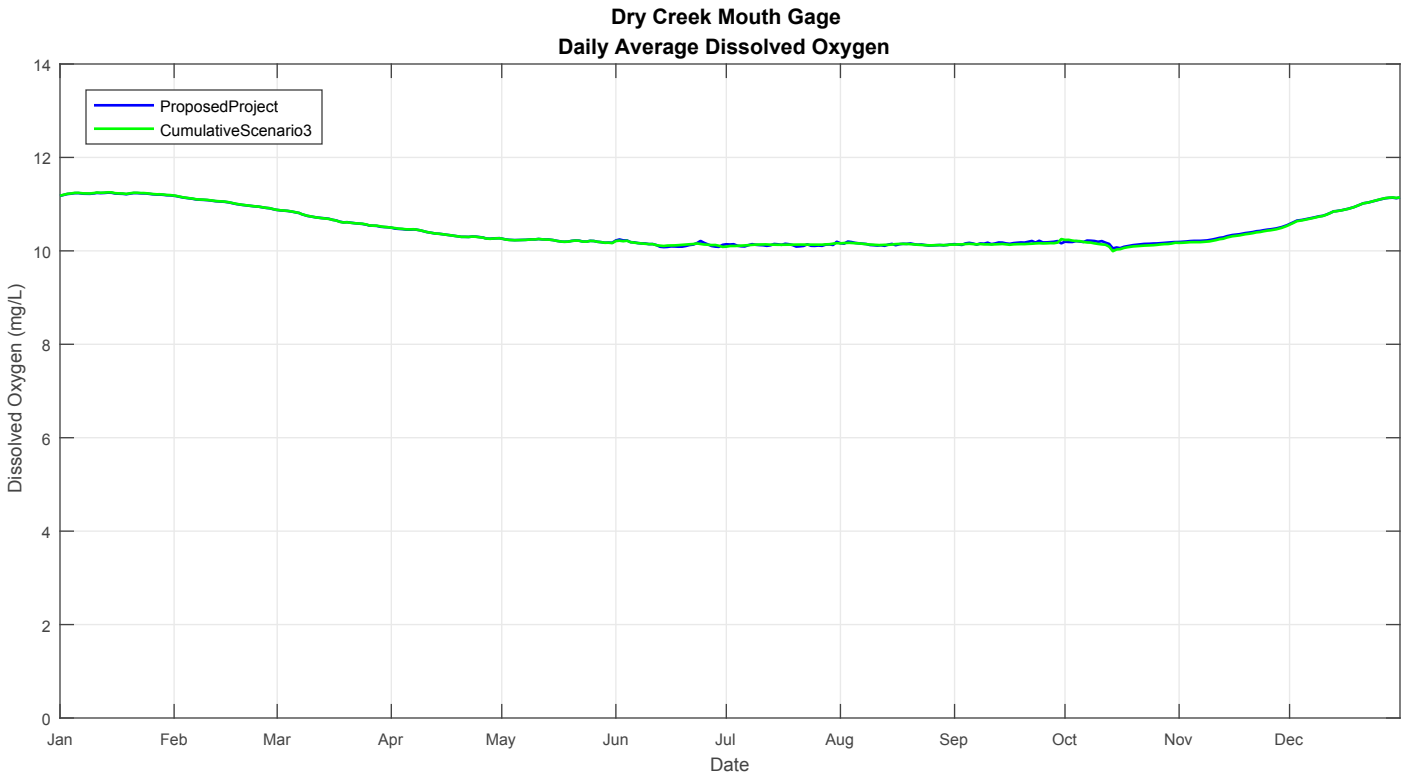
Oct
Nov
Dec
Date


Dry Creek Mouth Gage
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/L)
0
2
4
6
8
10
12
14
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
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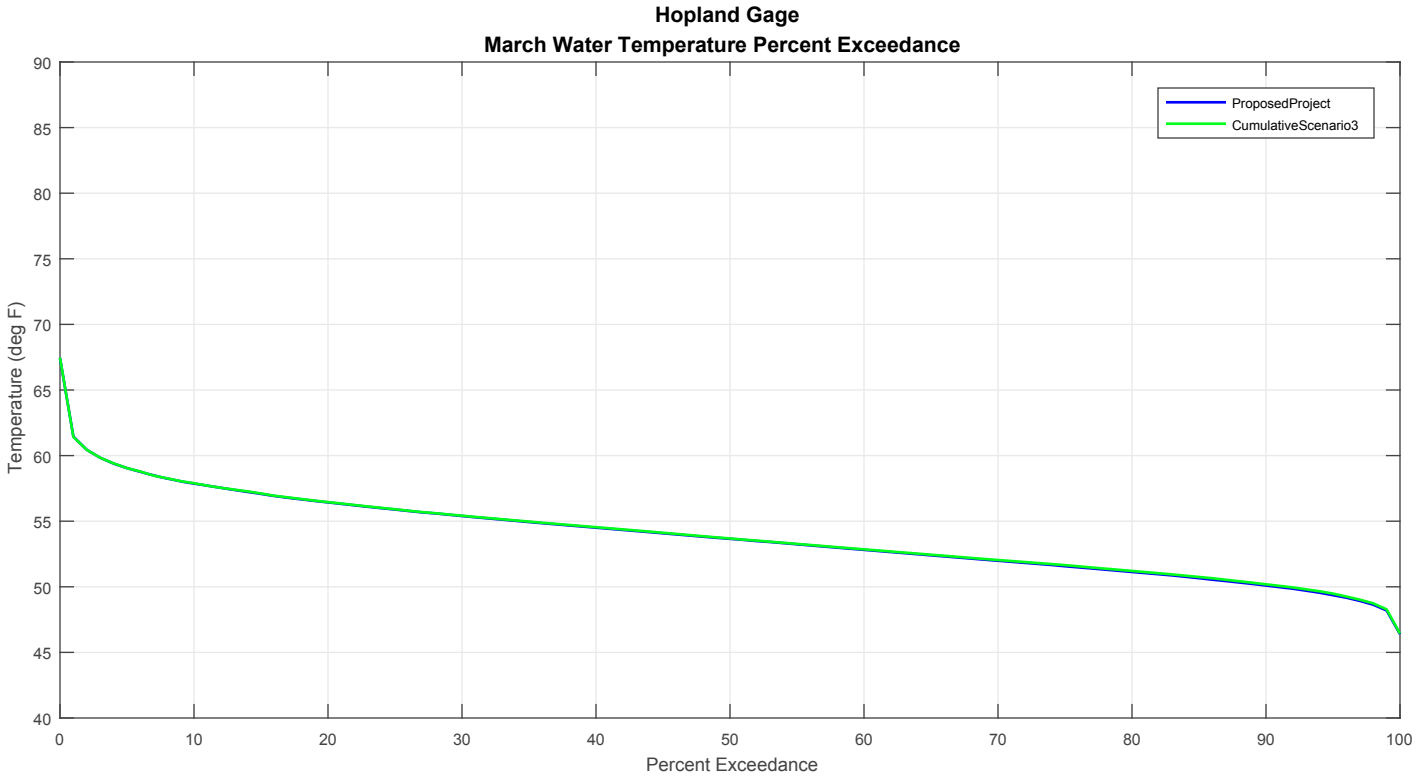
Oct
Nov
Dec
Date


Hopland Gage
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
90
85
80
75
70
65
60
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40
0
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30
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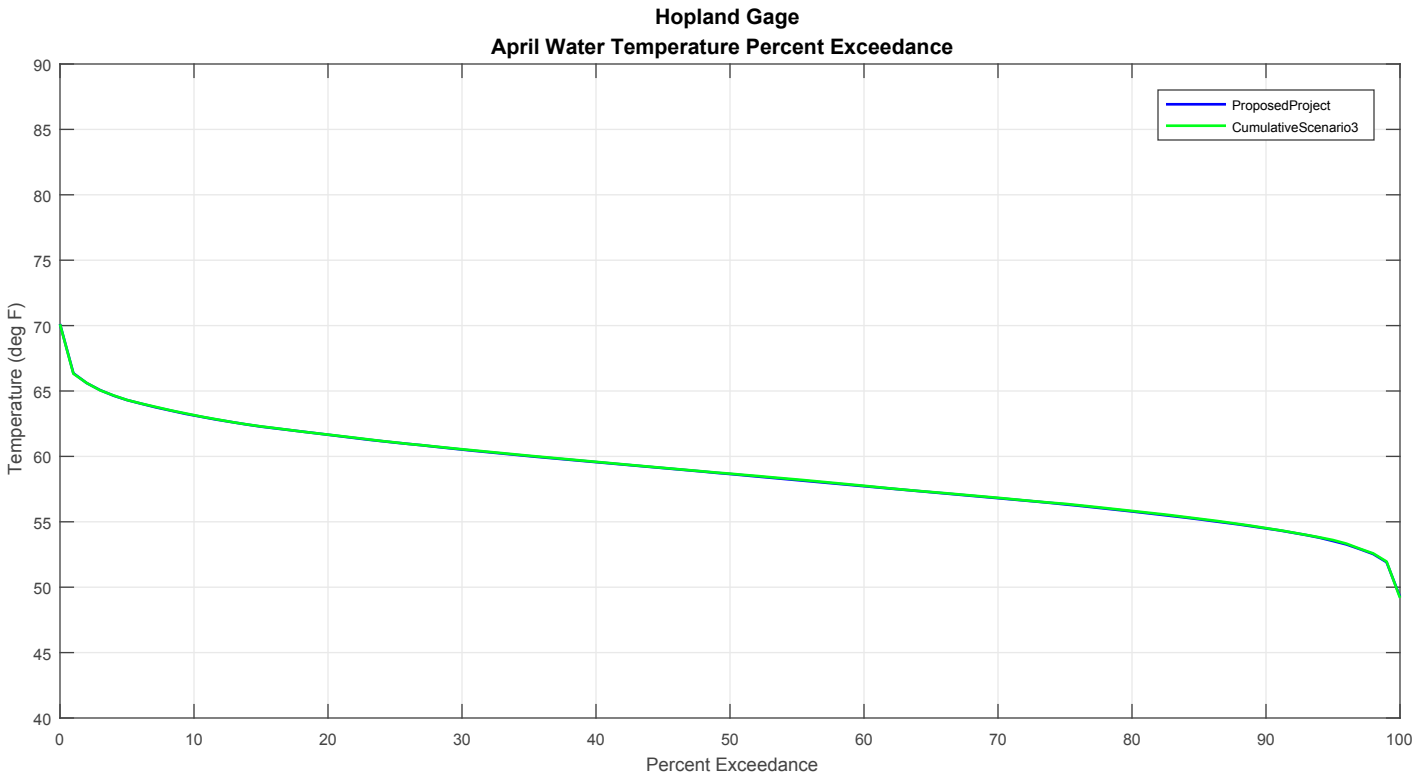
70
80
90
100


Hopland Gage
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
90
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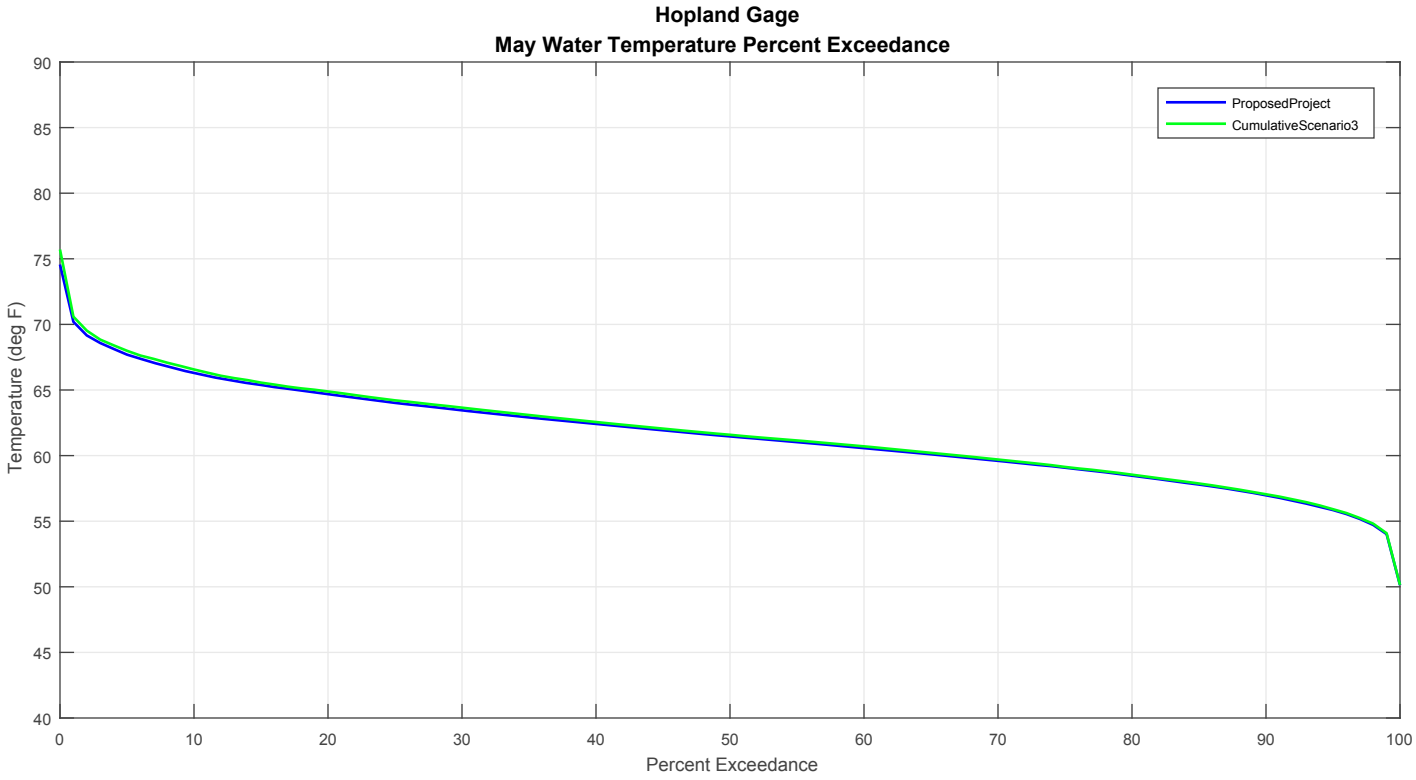
80
90
100


Hopland Gage
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
90
85
80
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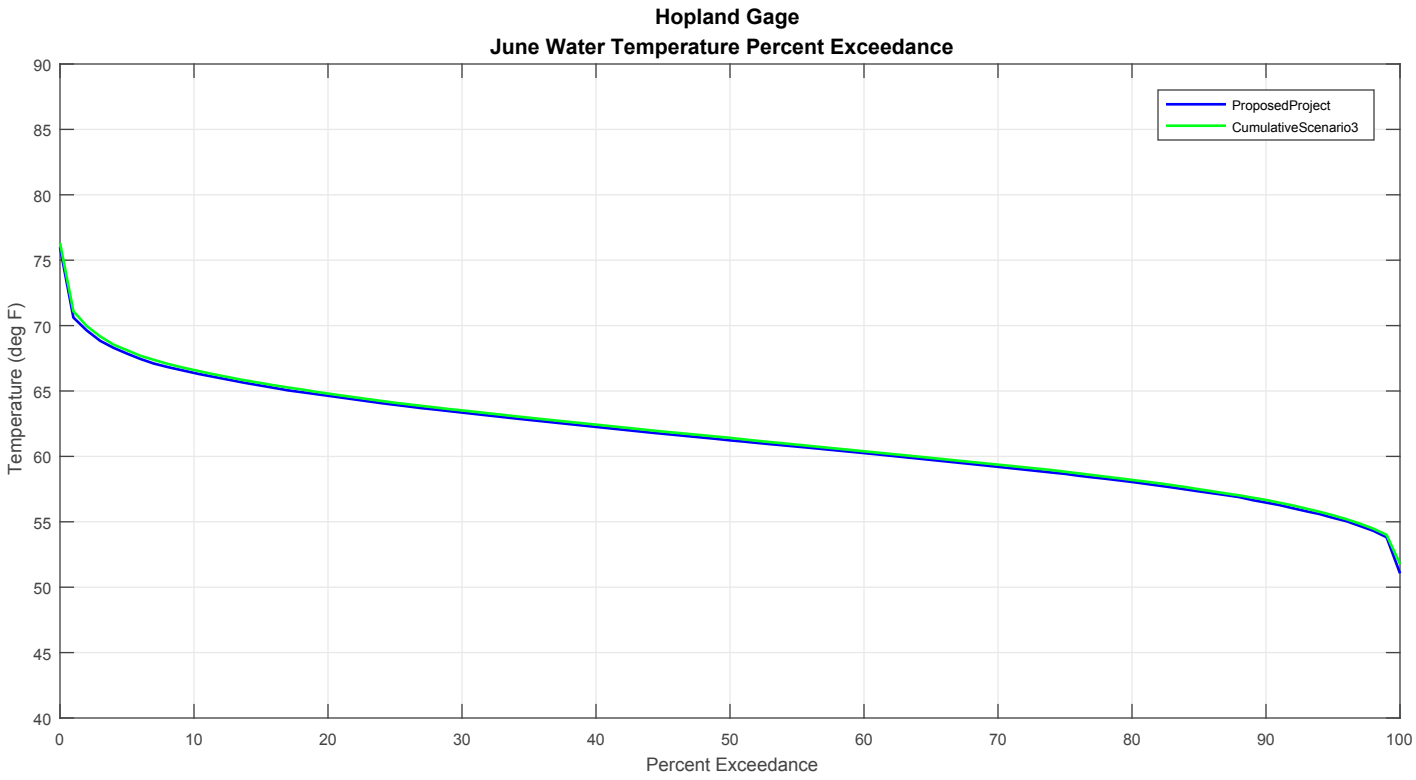
70
80
90
100


Hopland Gage
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
90
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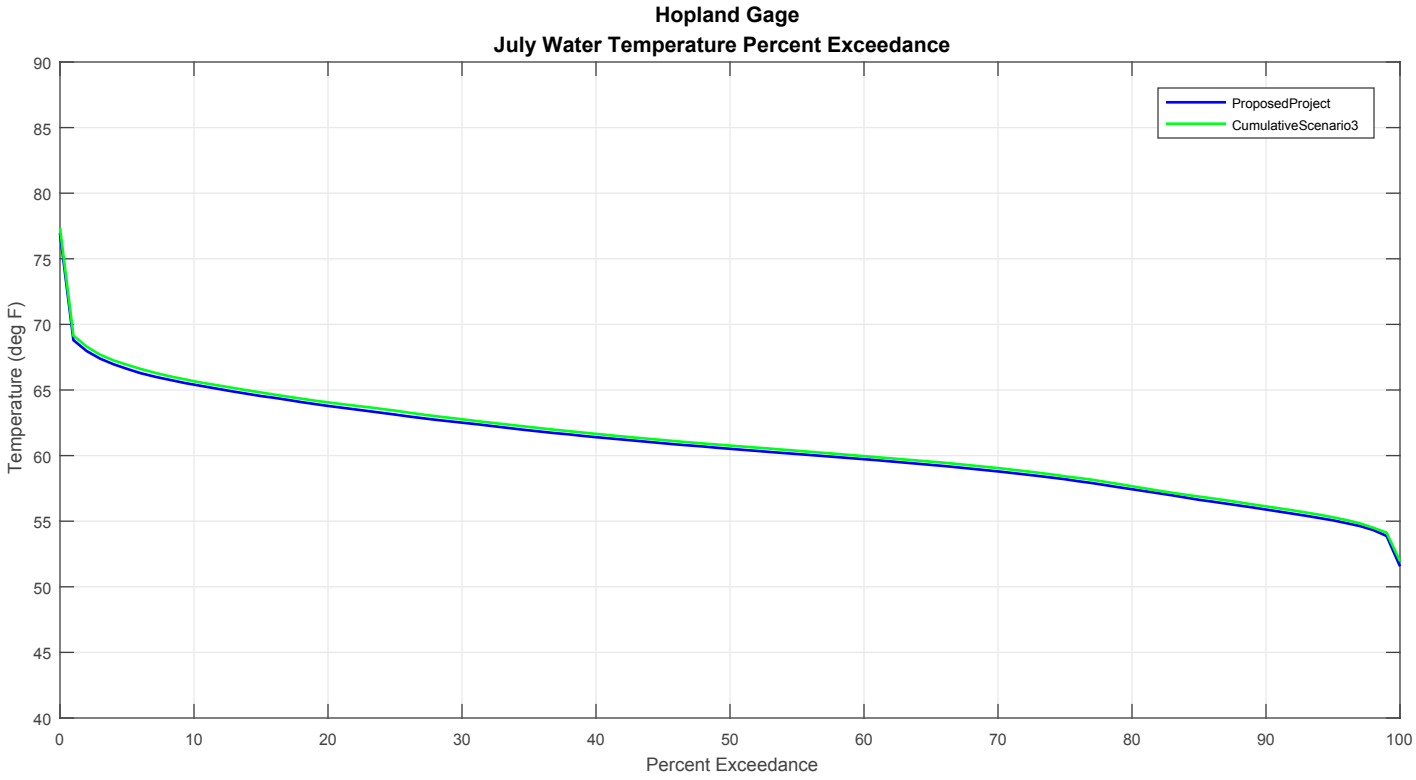
80
90
100


Hopland Gage
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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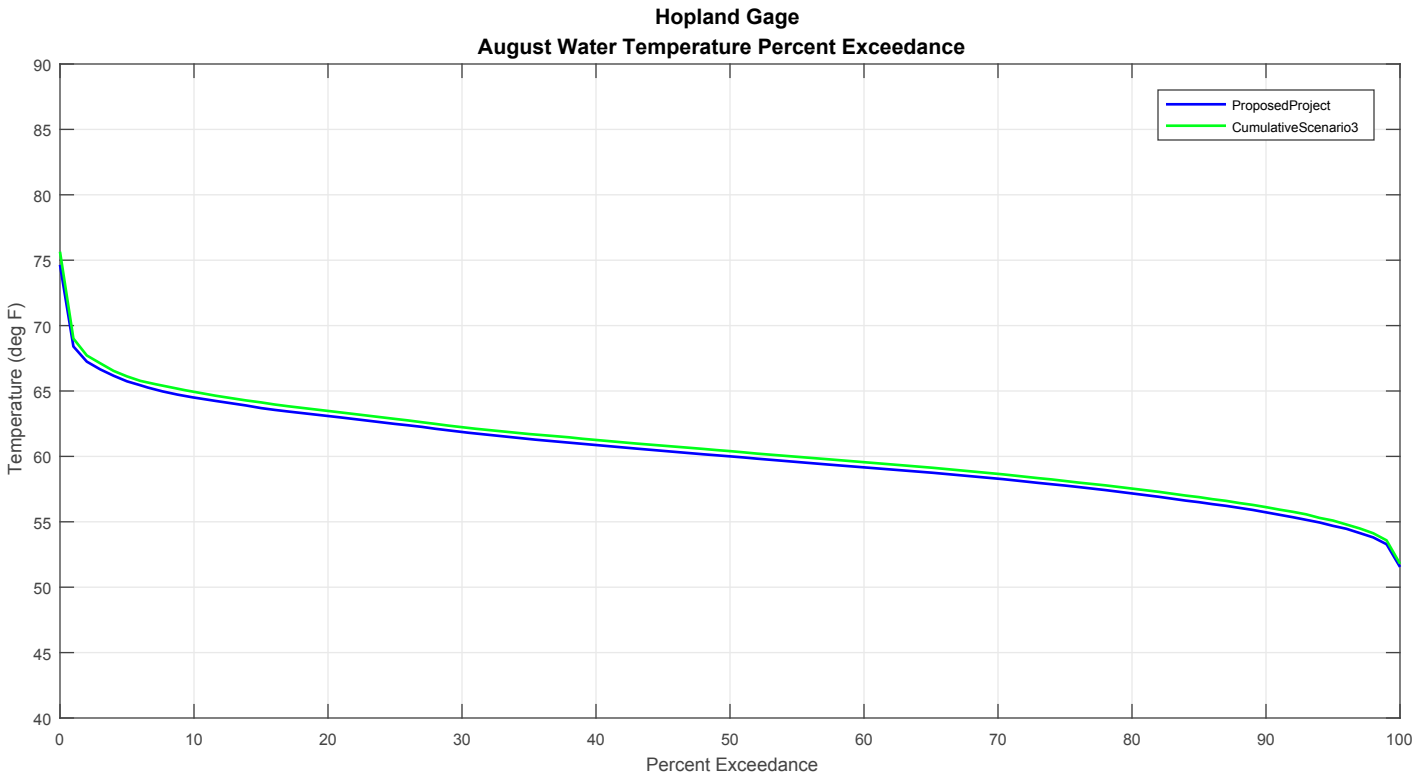
90
100


Hopland Gage
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
90
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30
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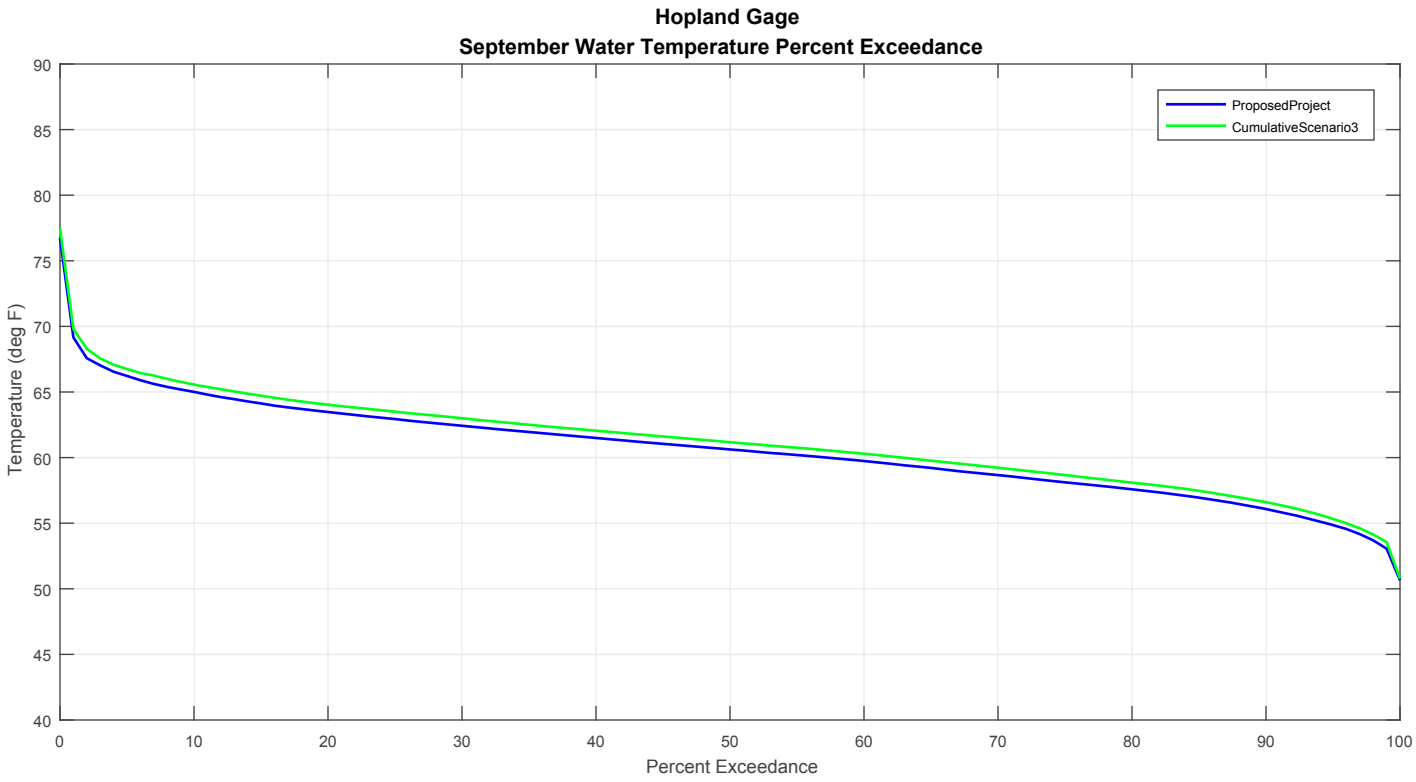
100


Hopland Gage
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
90
85
80
75
70
65
60
55
50
45
40
0
10
20
30
40
50
60
70
80
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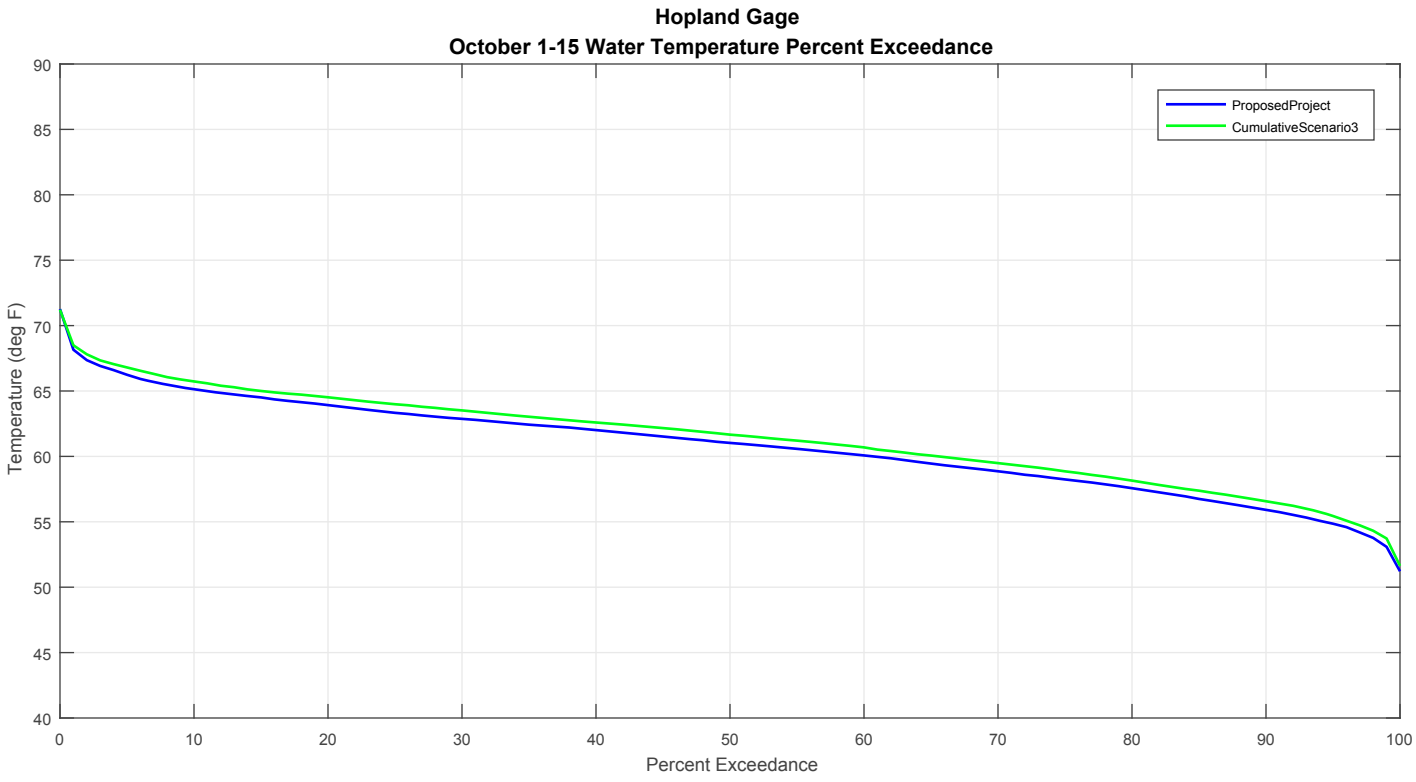
Hopland Gage
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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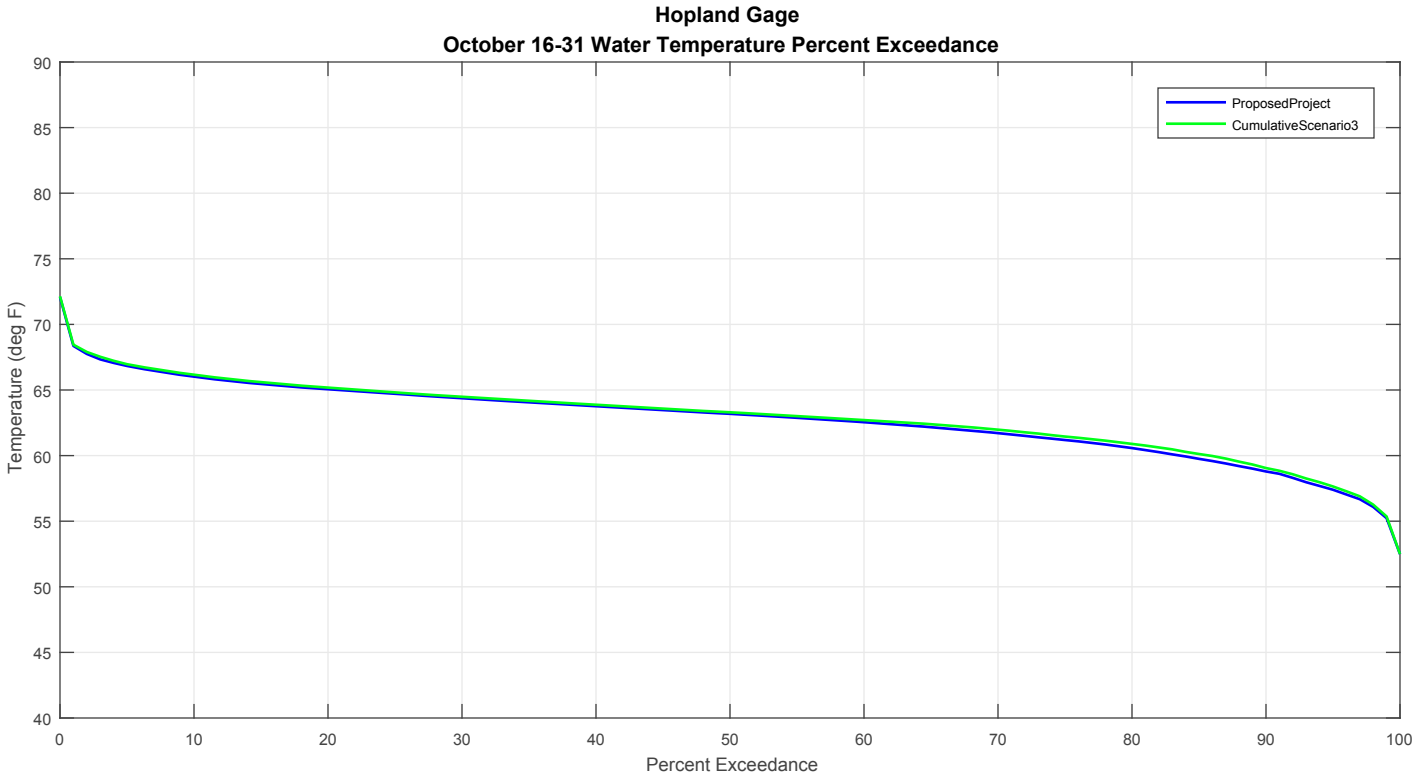
Hopland Gage
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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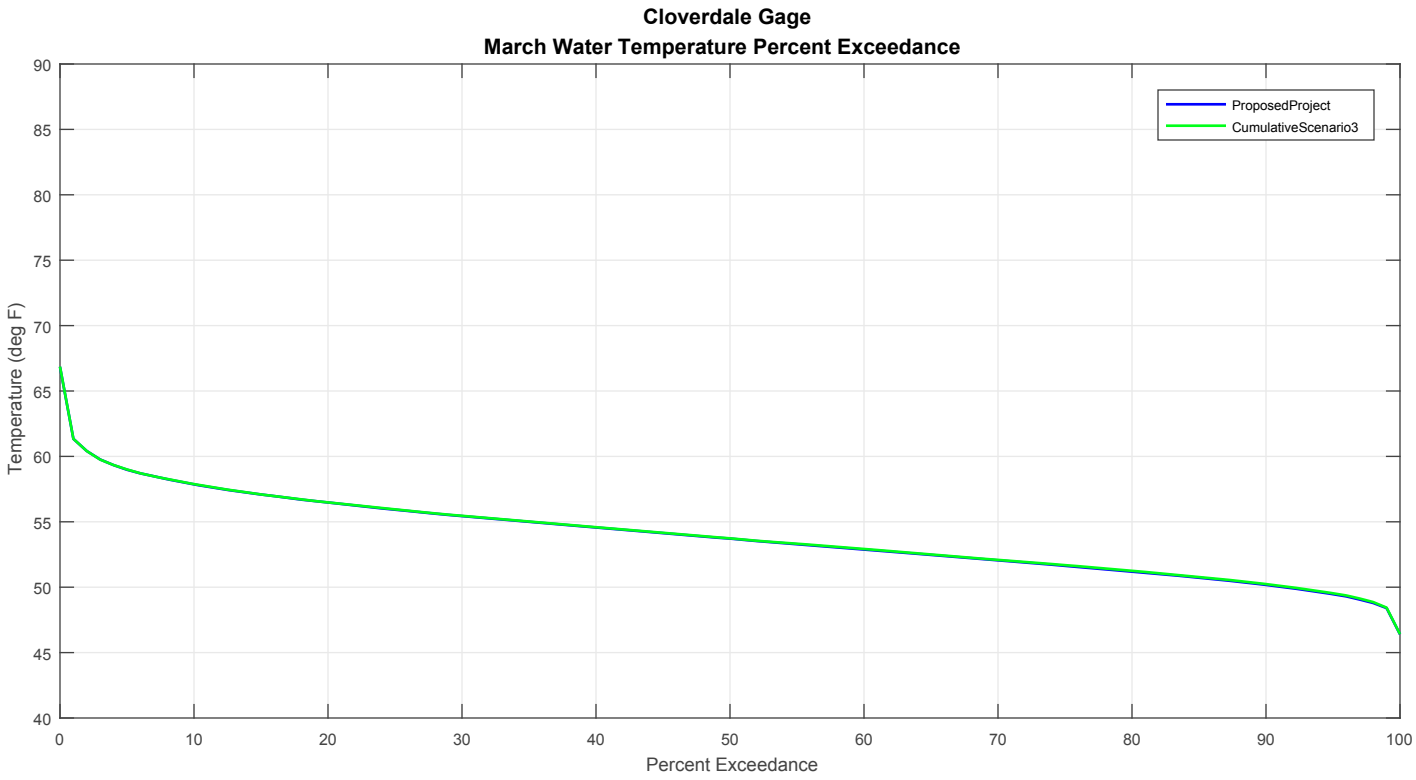
Cloverdale Gage
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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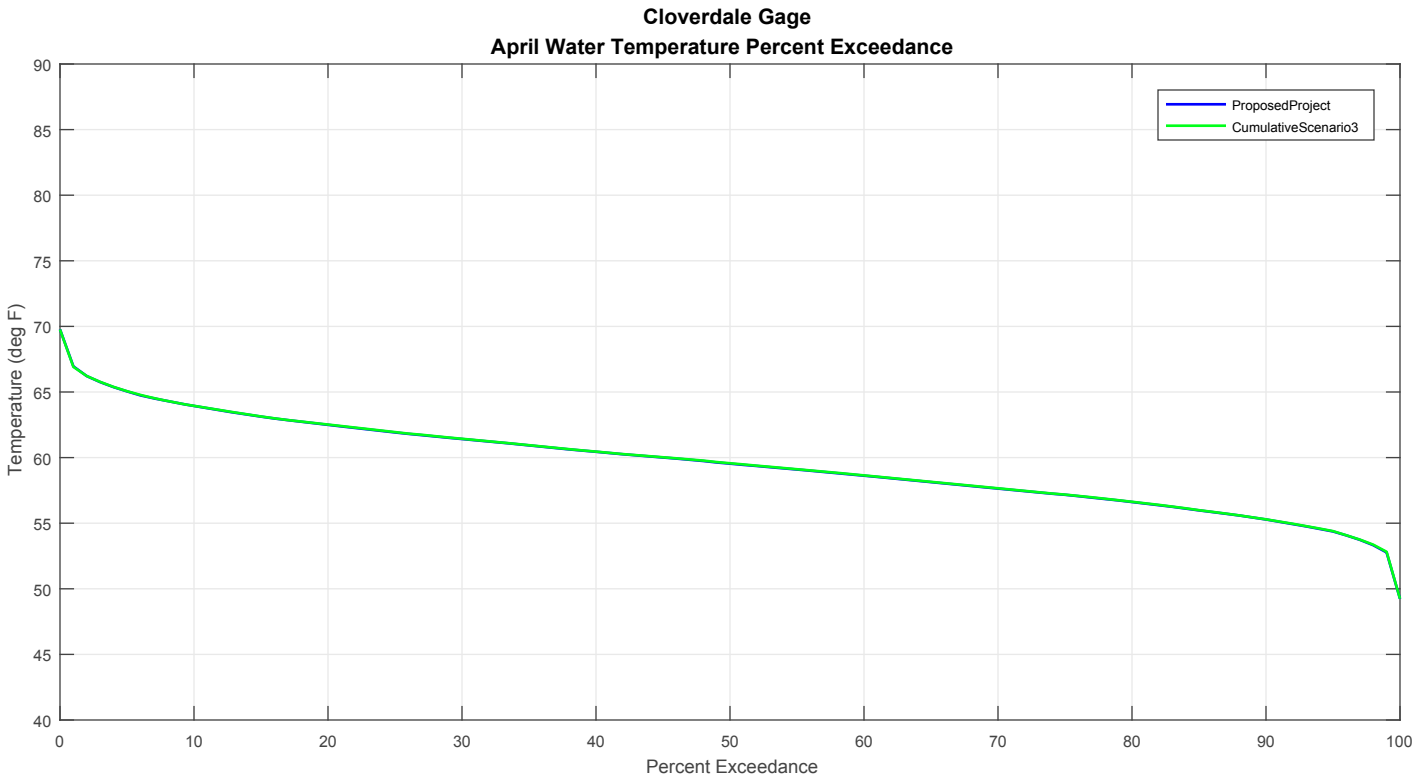
Cloverdale Gage
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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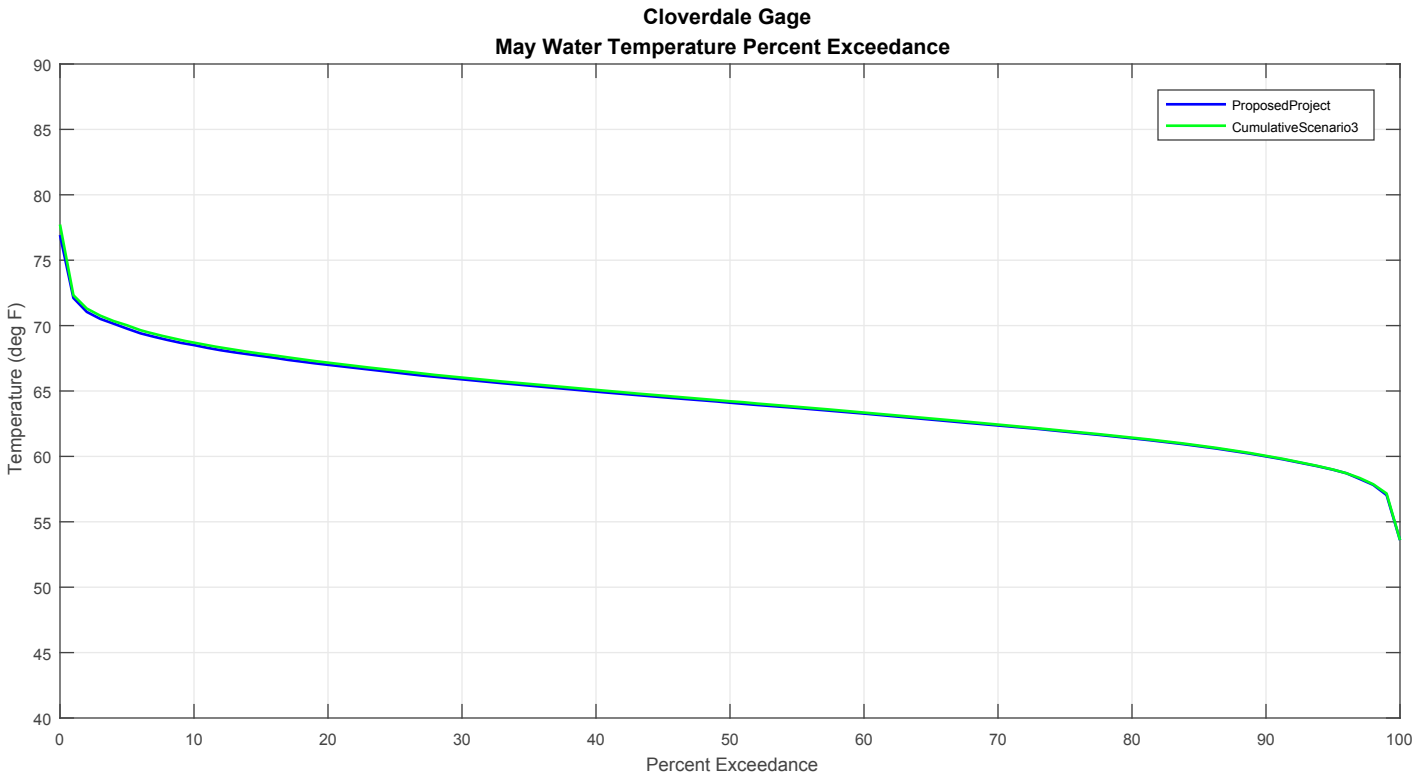
Cloverdale Gage
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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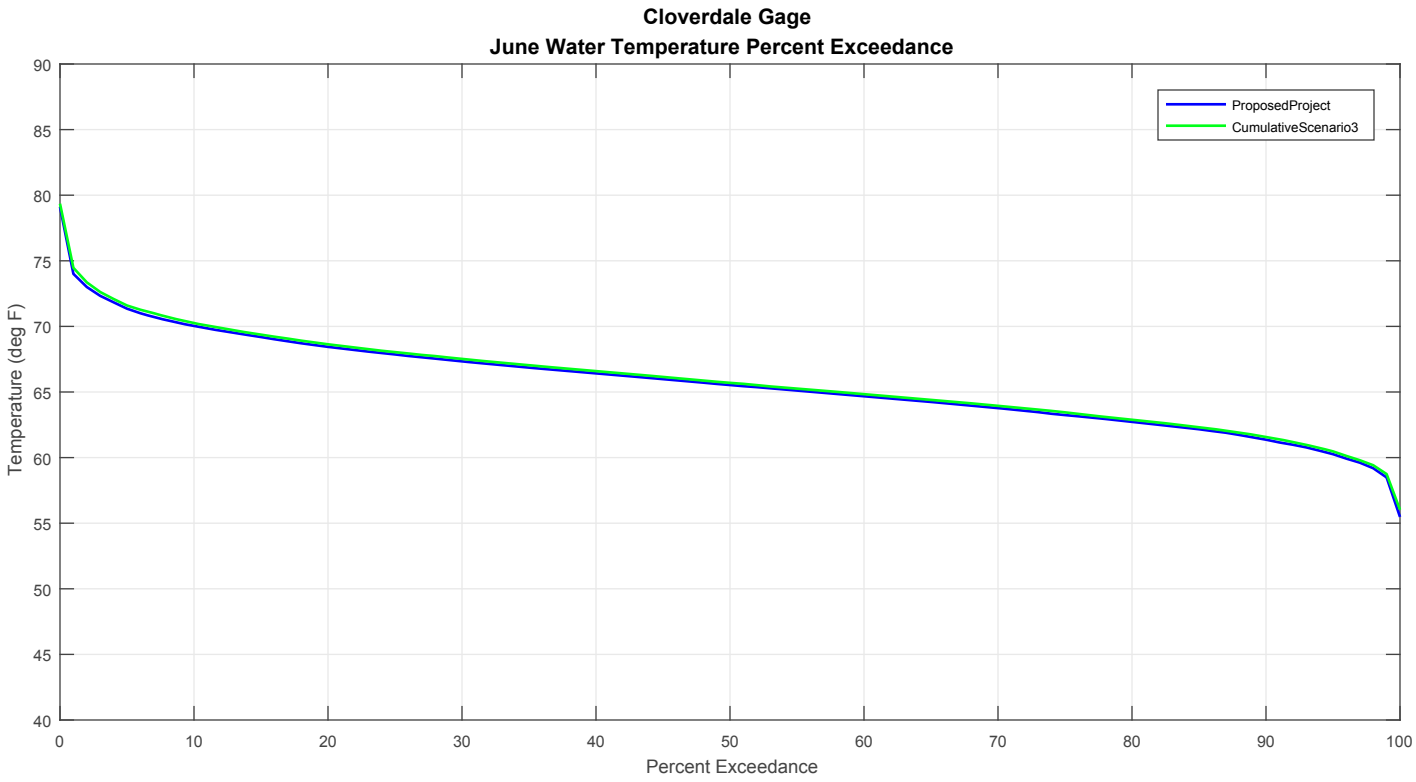
Cloverdale Gage
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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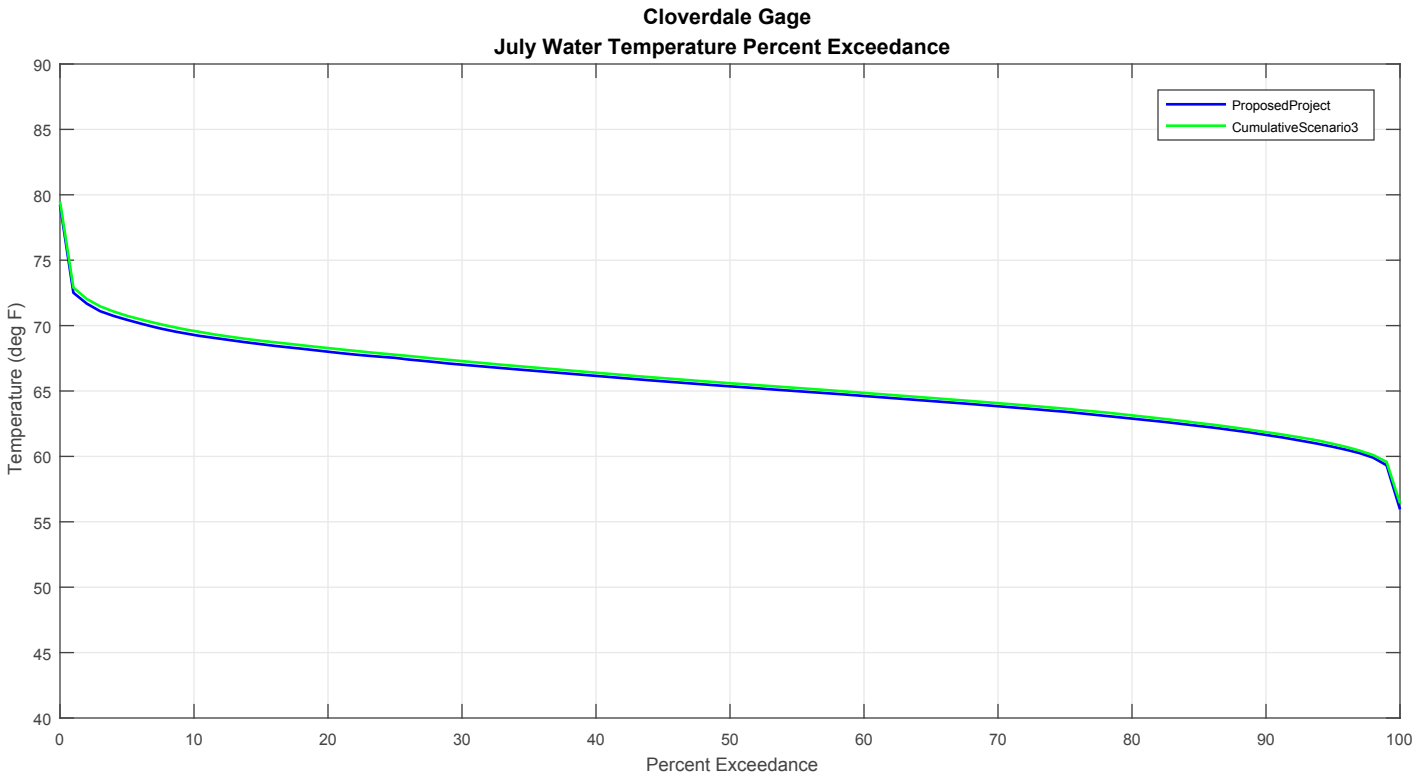
Cloverdale Gage
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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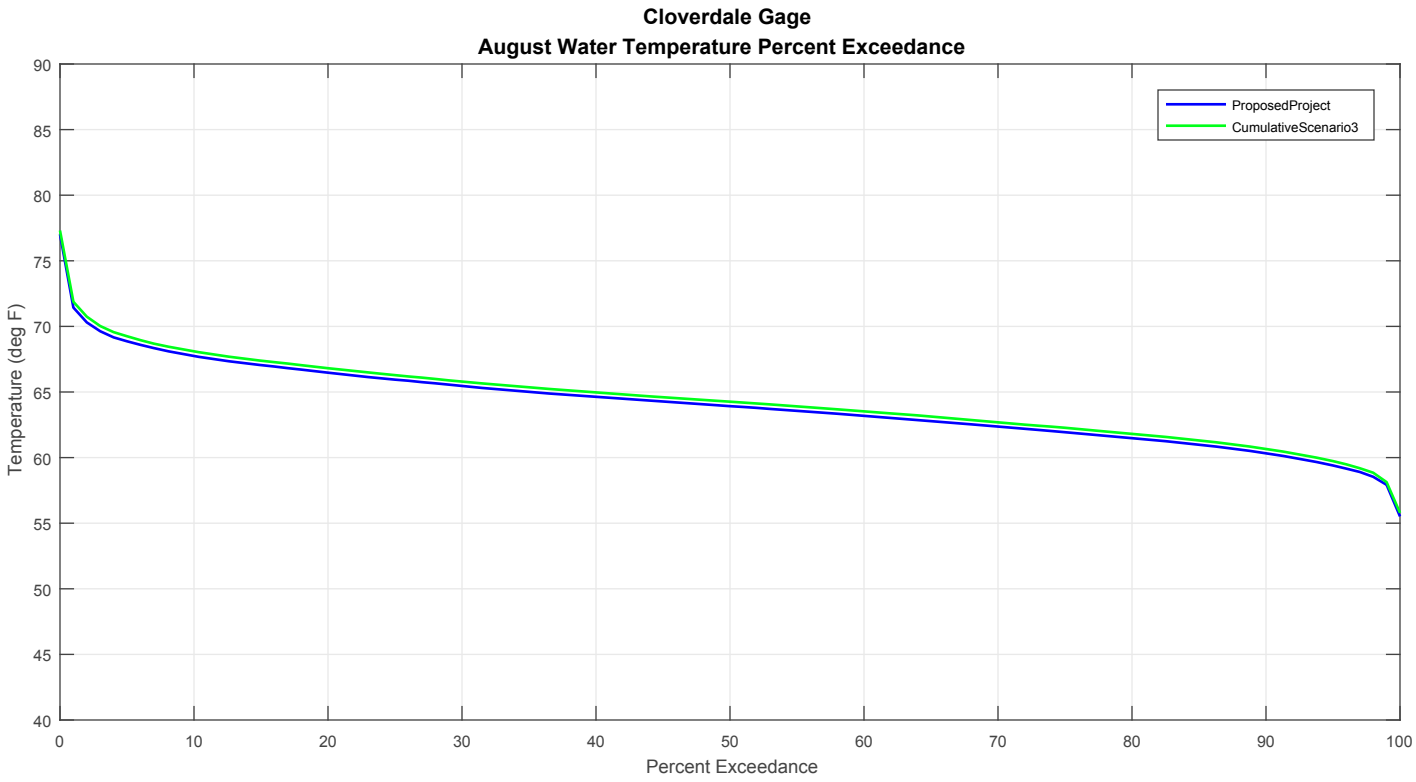
Cloverdale Gage
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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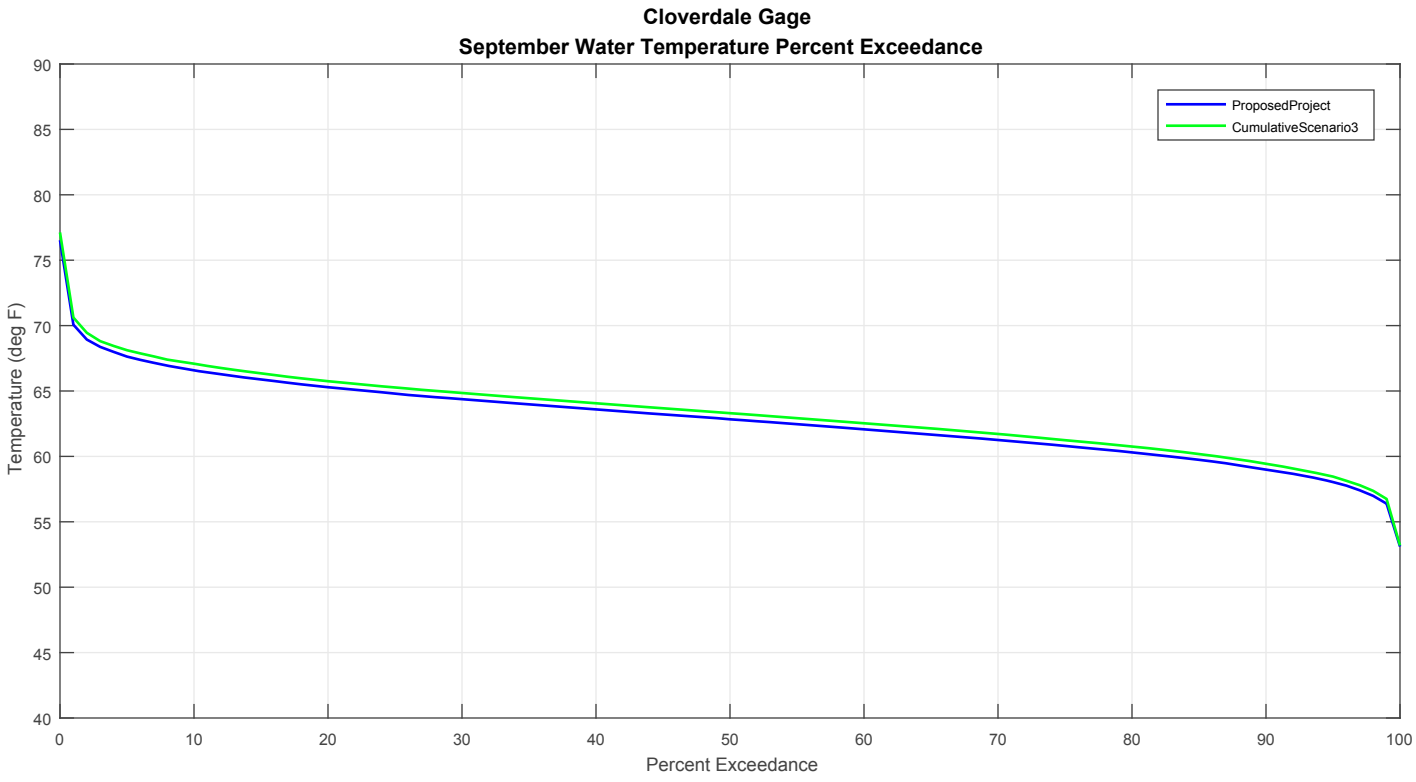
Cloverdale Gage
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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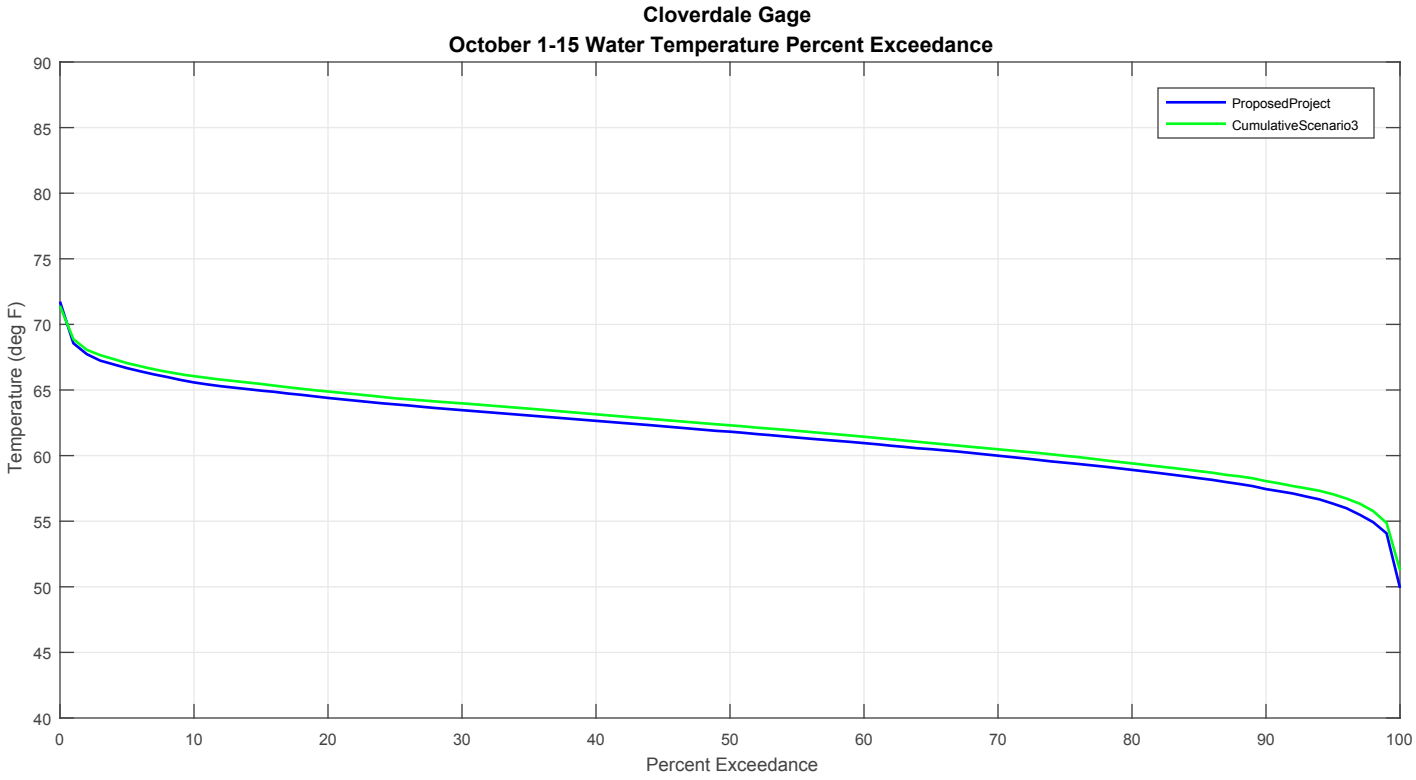
Cloverdale Gage
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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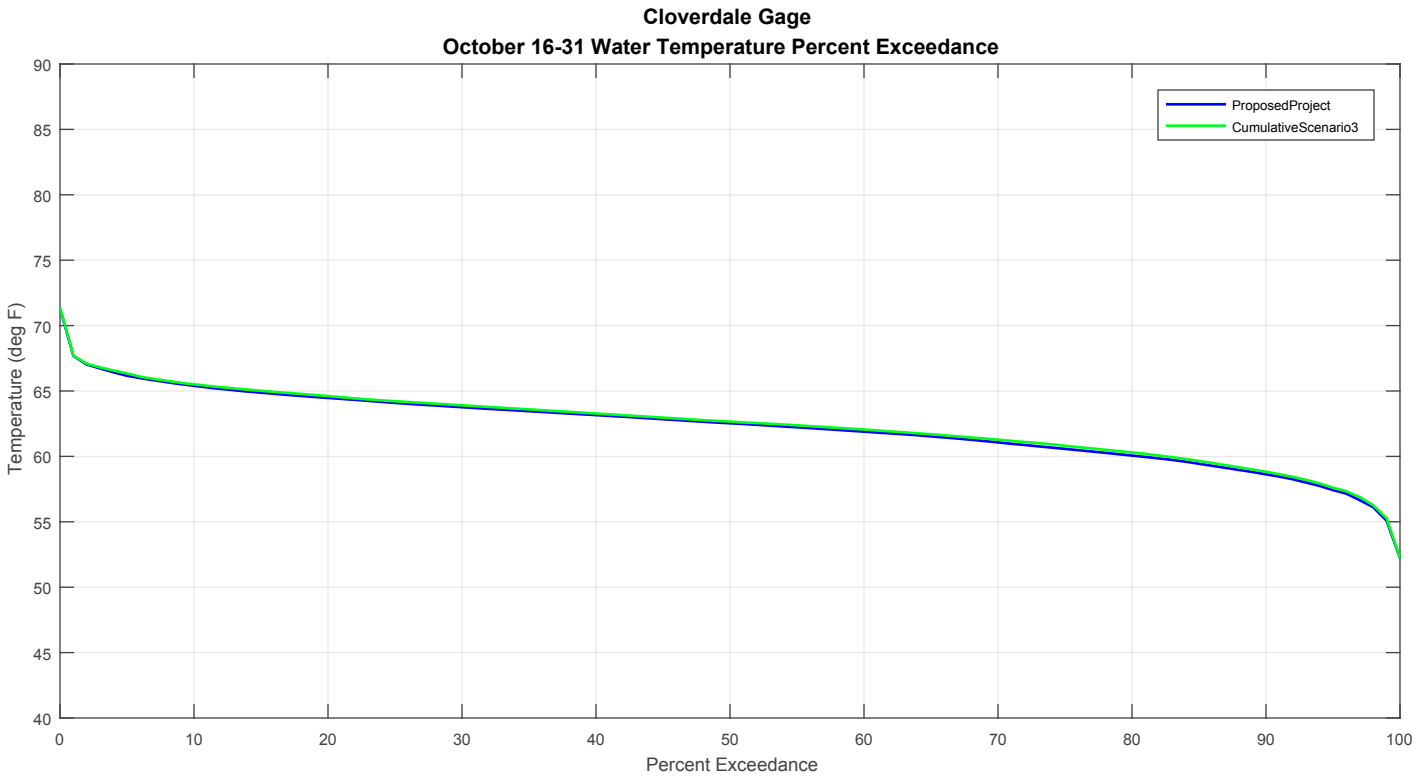
Cloverdale Gage
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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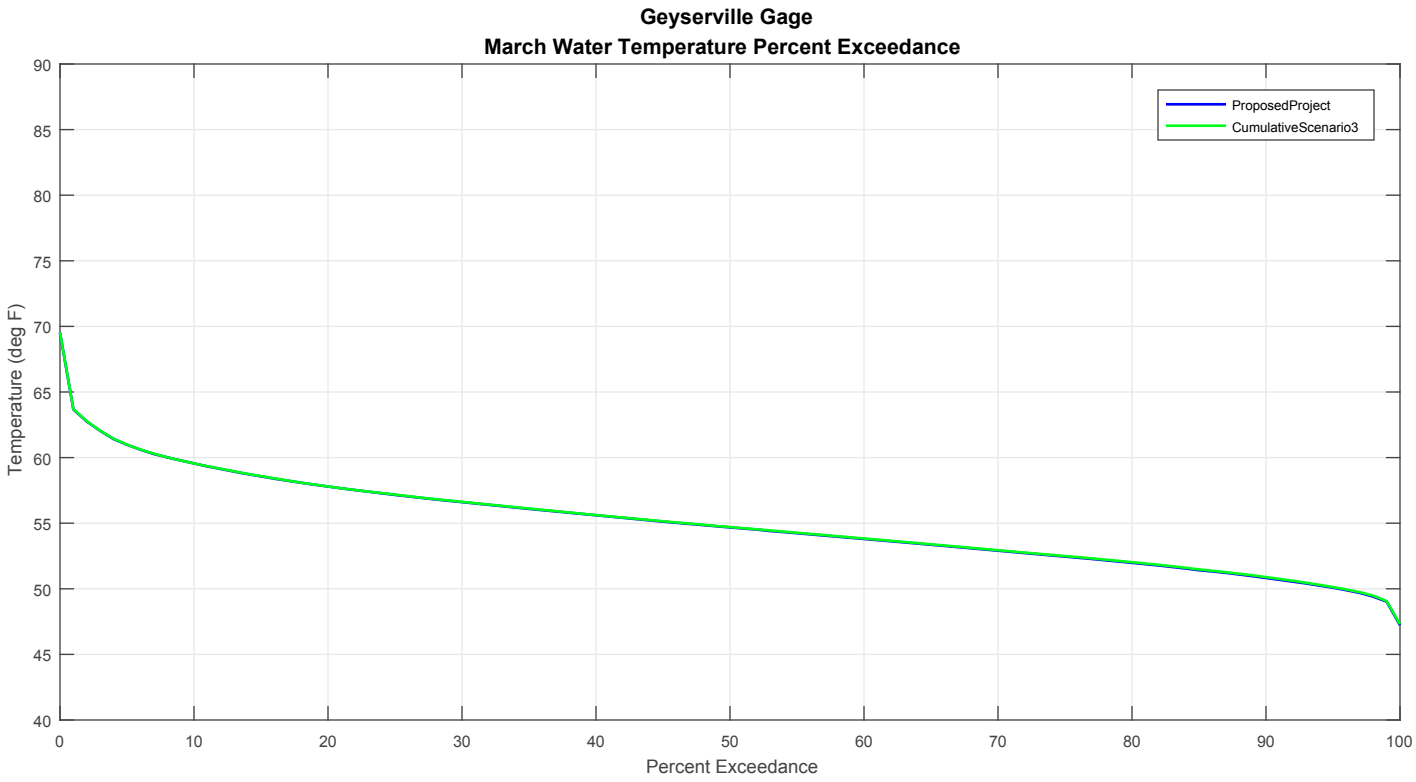
Geyserville Gage
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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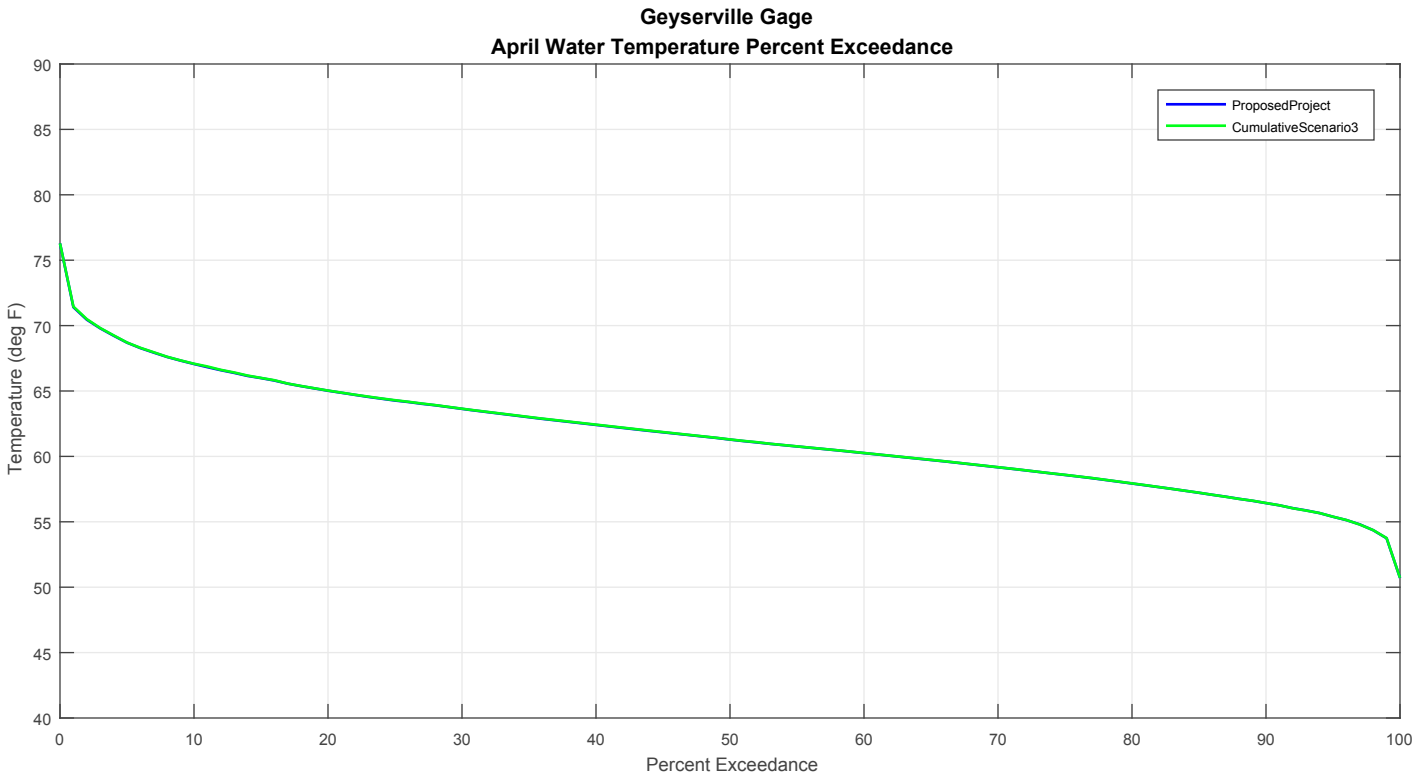
Geyserville Gage
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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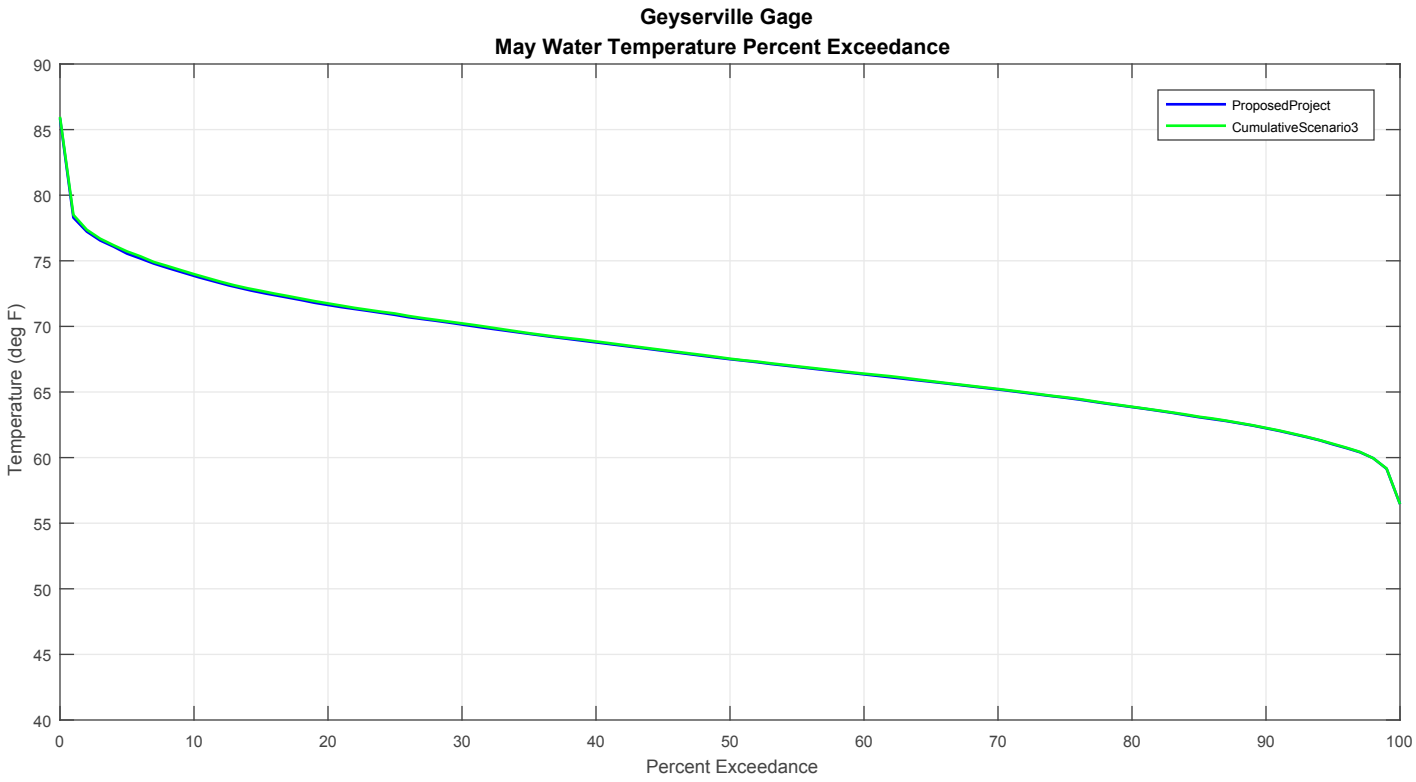
Geyserville Gage
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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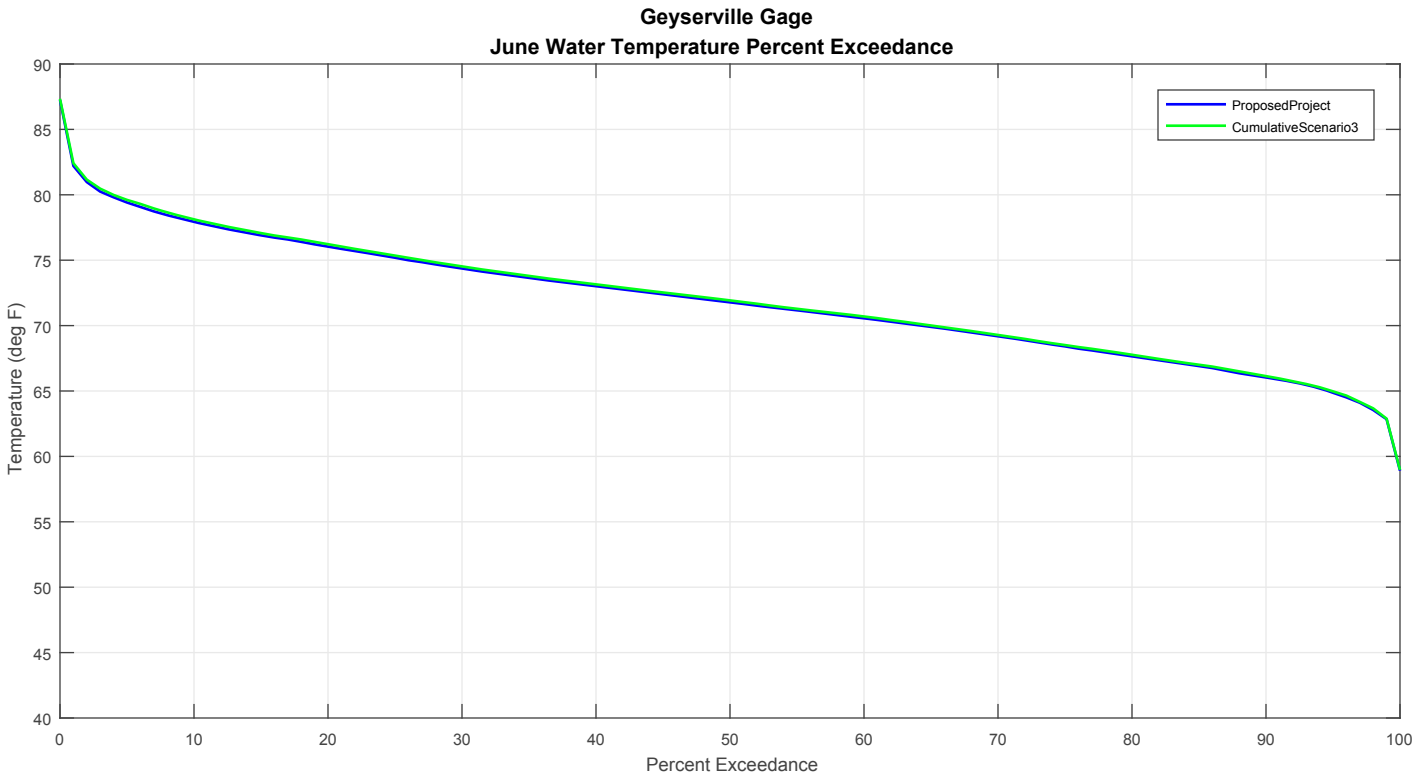
Geyserville Gage
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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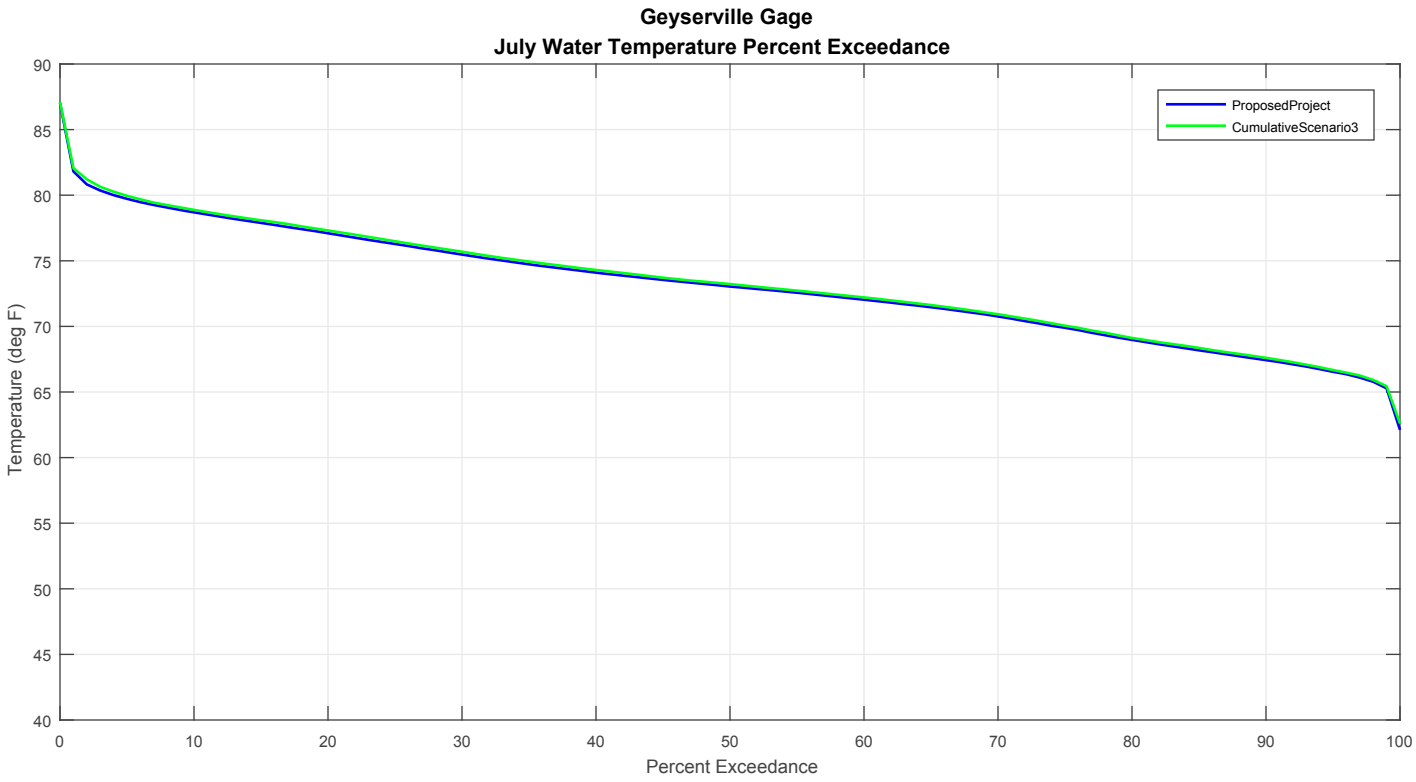
Geyserville Gage
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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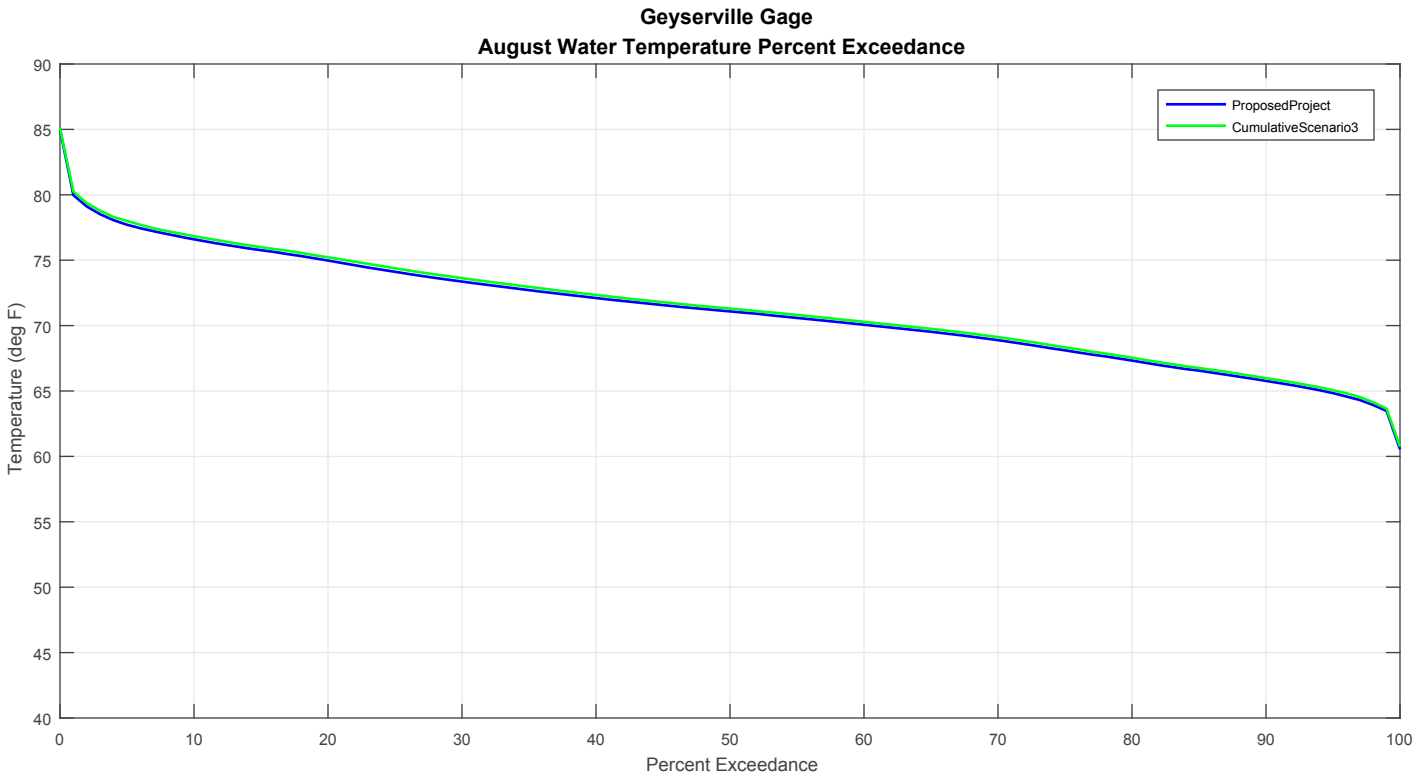
Geyserville Gage
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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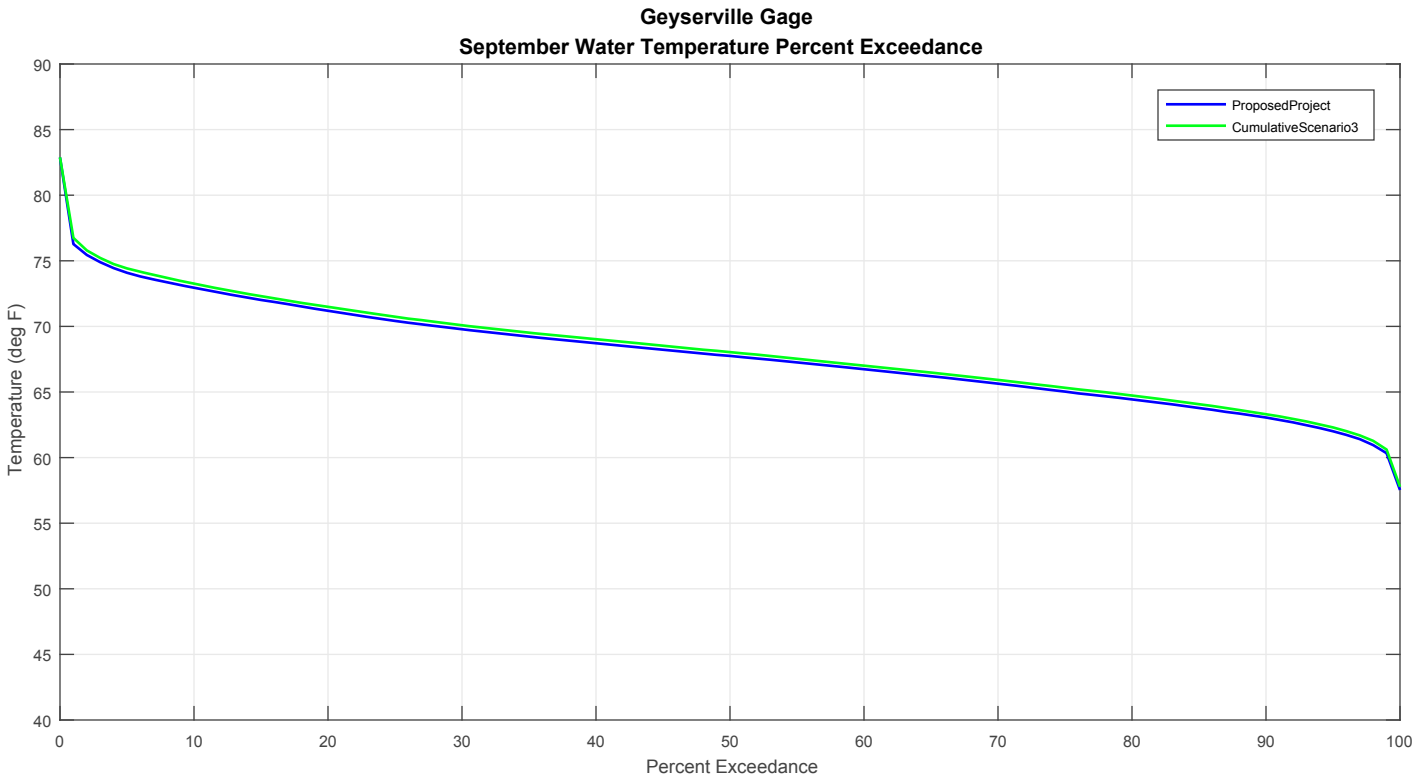
Geyserville Gage
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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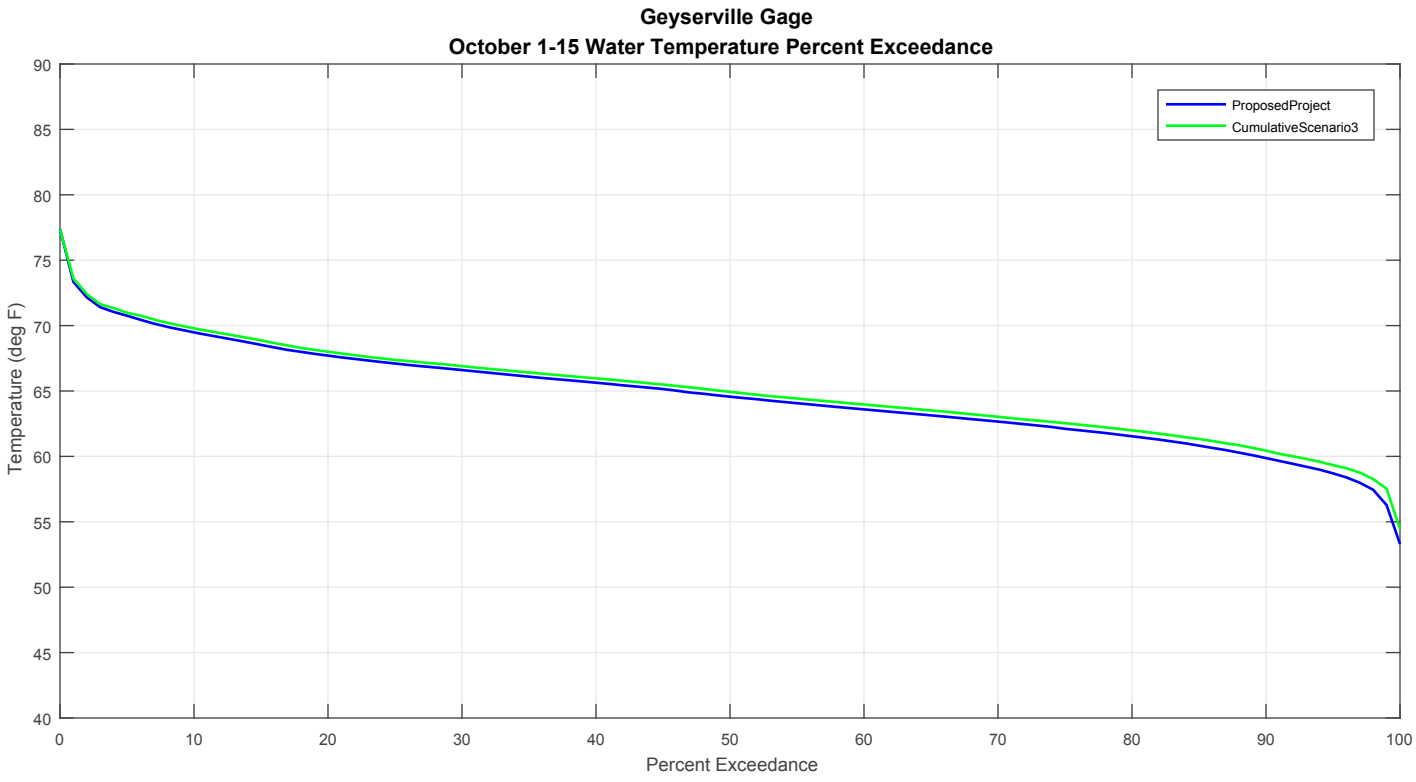
Geyserville Gage
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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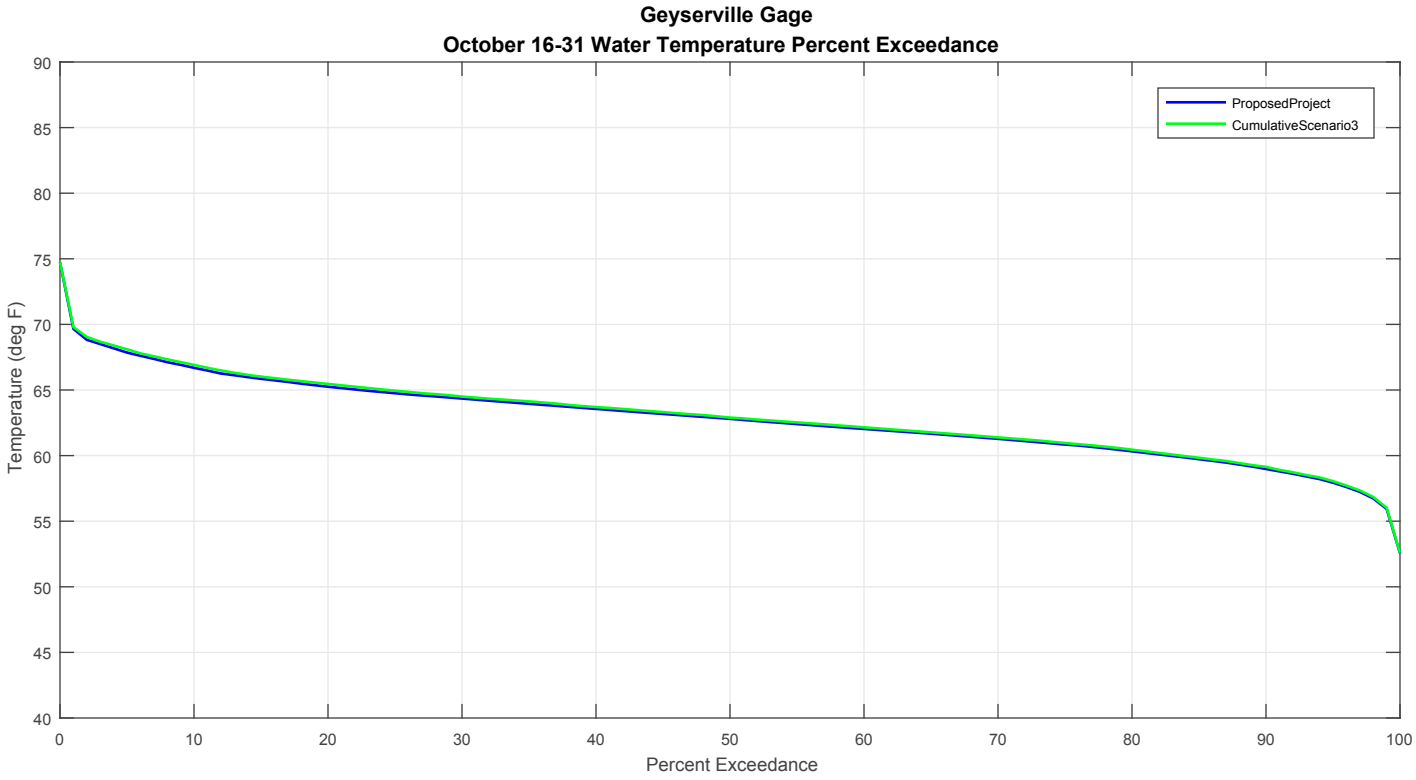
Geyserville Gage
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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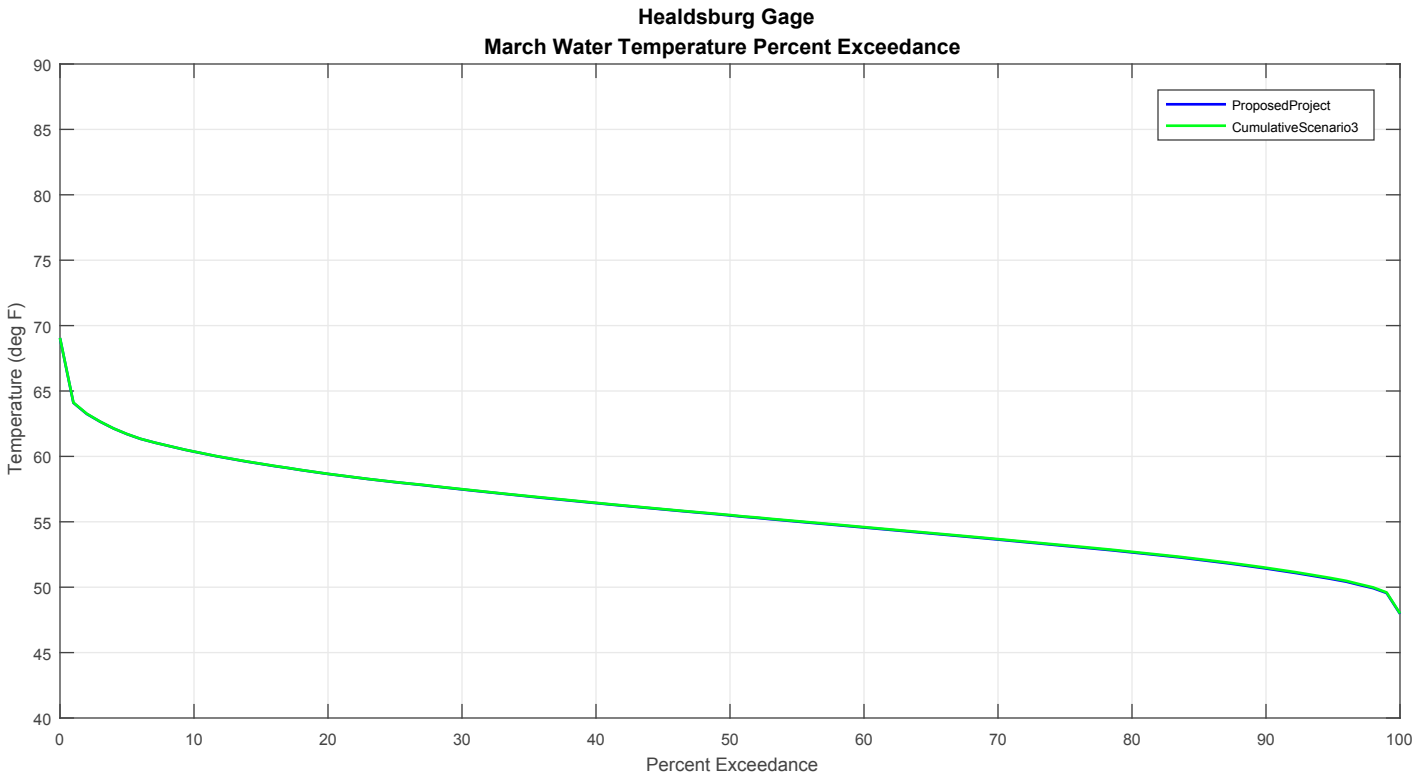
Healdsburg Gage
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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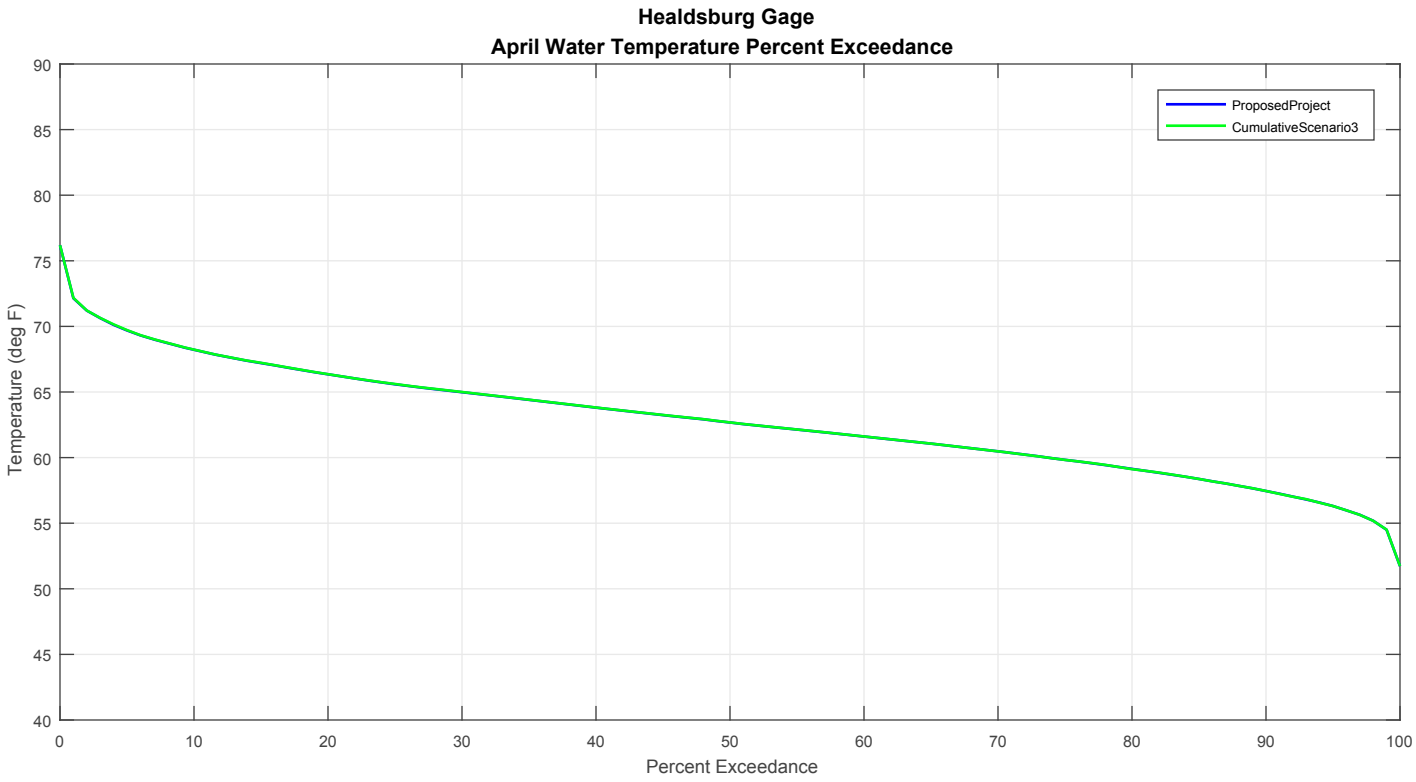
Healdsburg Gage
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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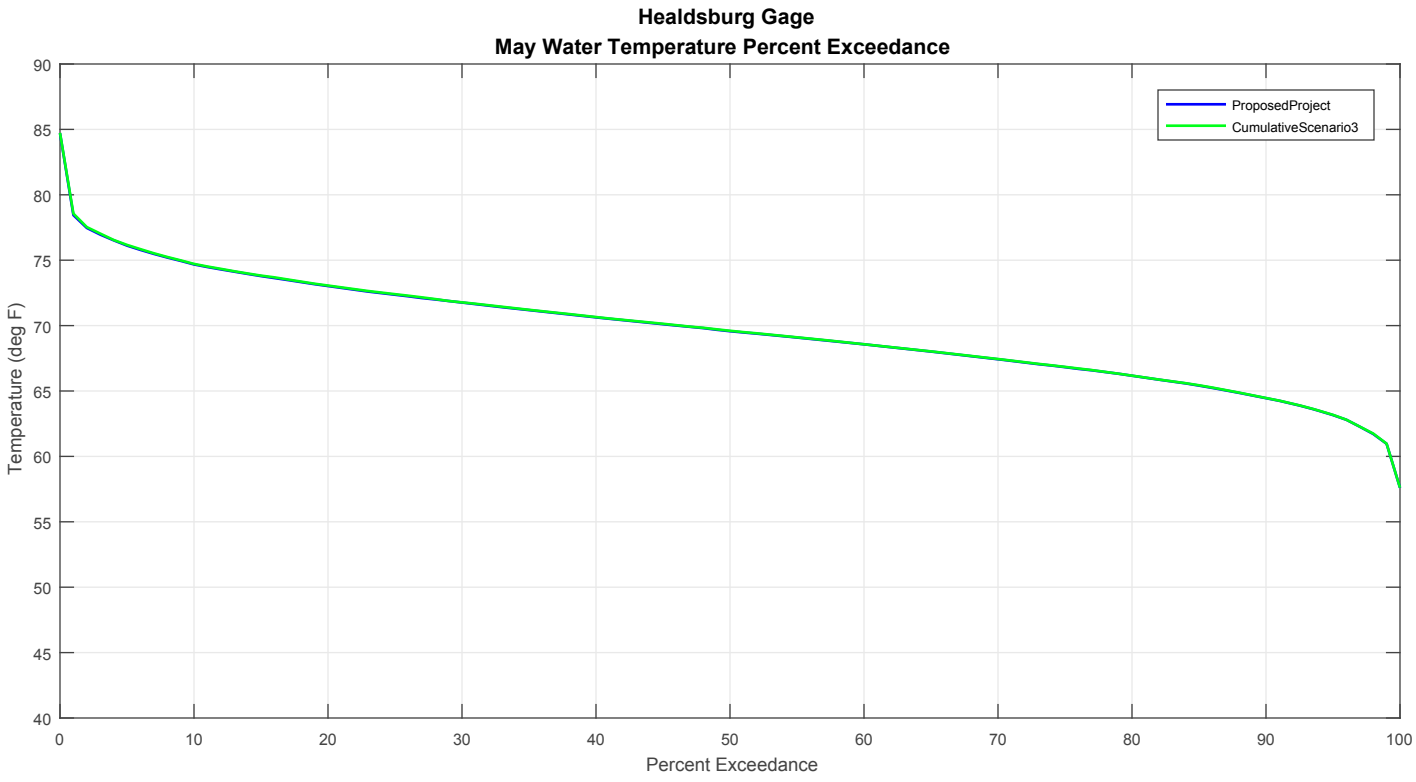
Healdsburg Gage
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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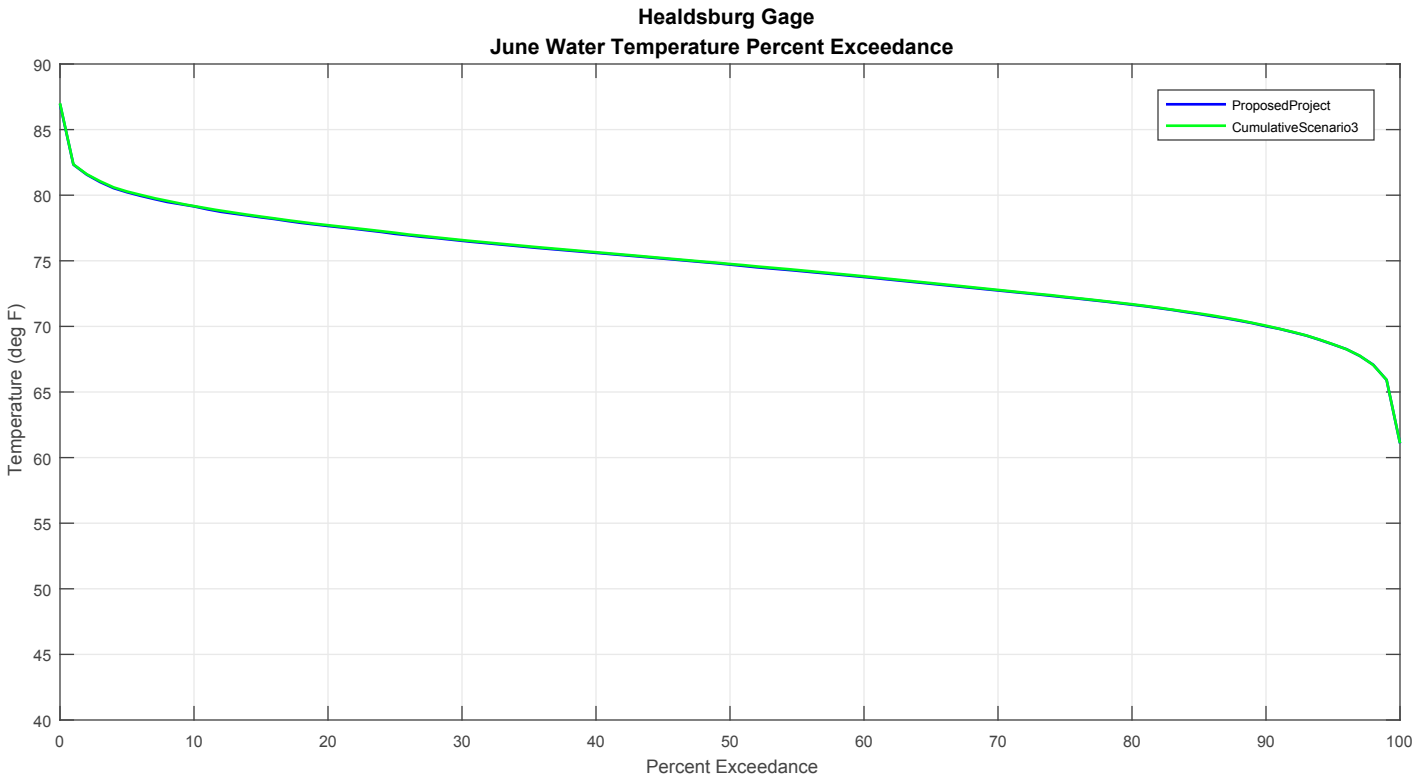
Healdsburg Gage
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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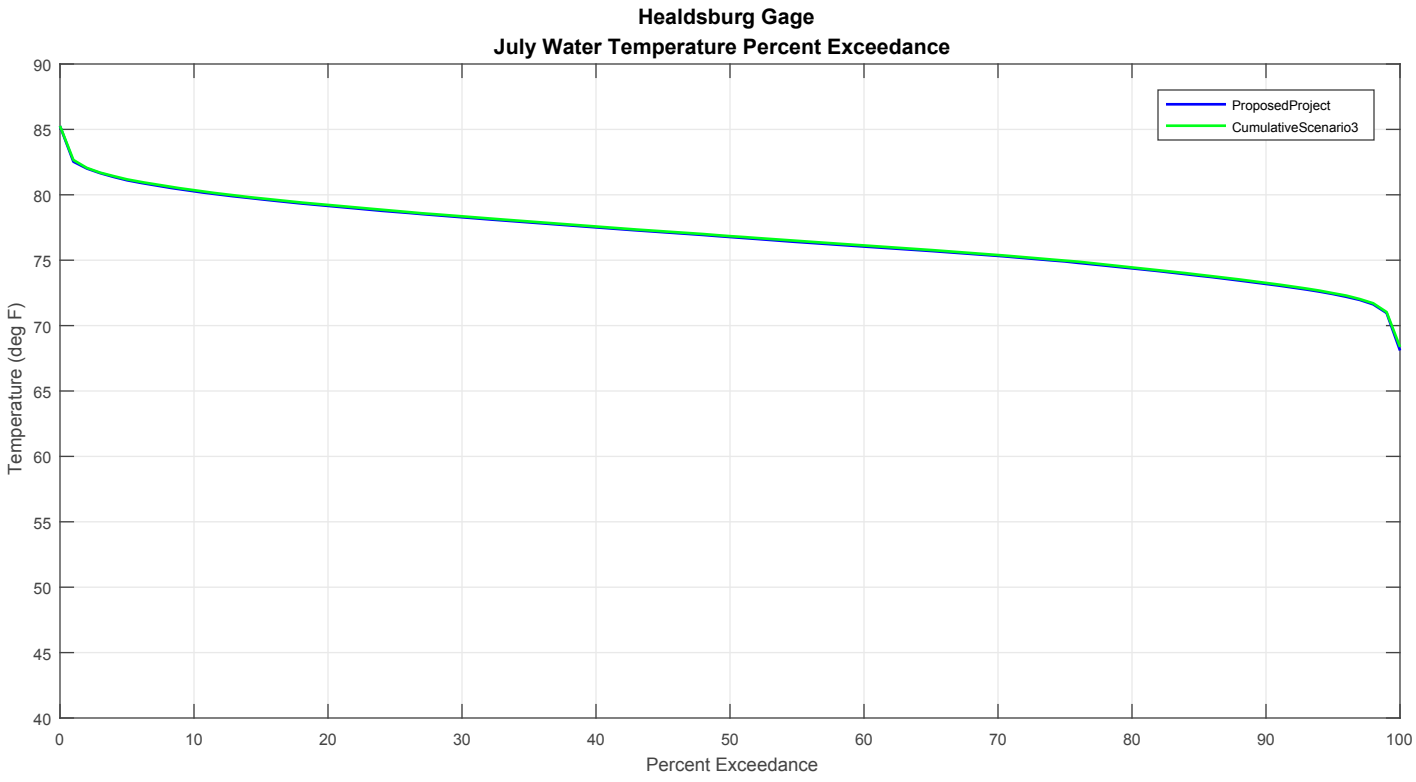
Healdsburg Gage
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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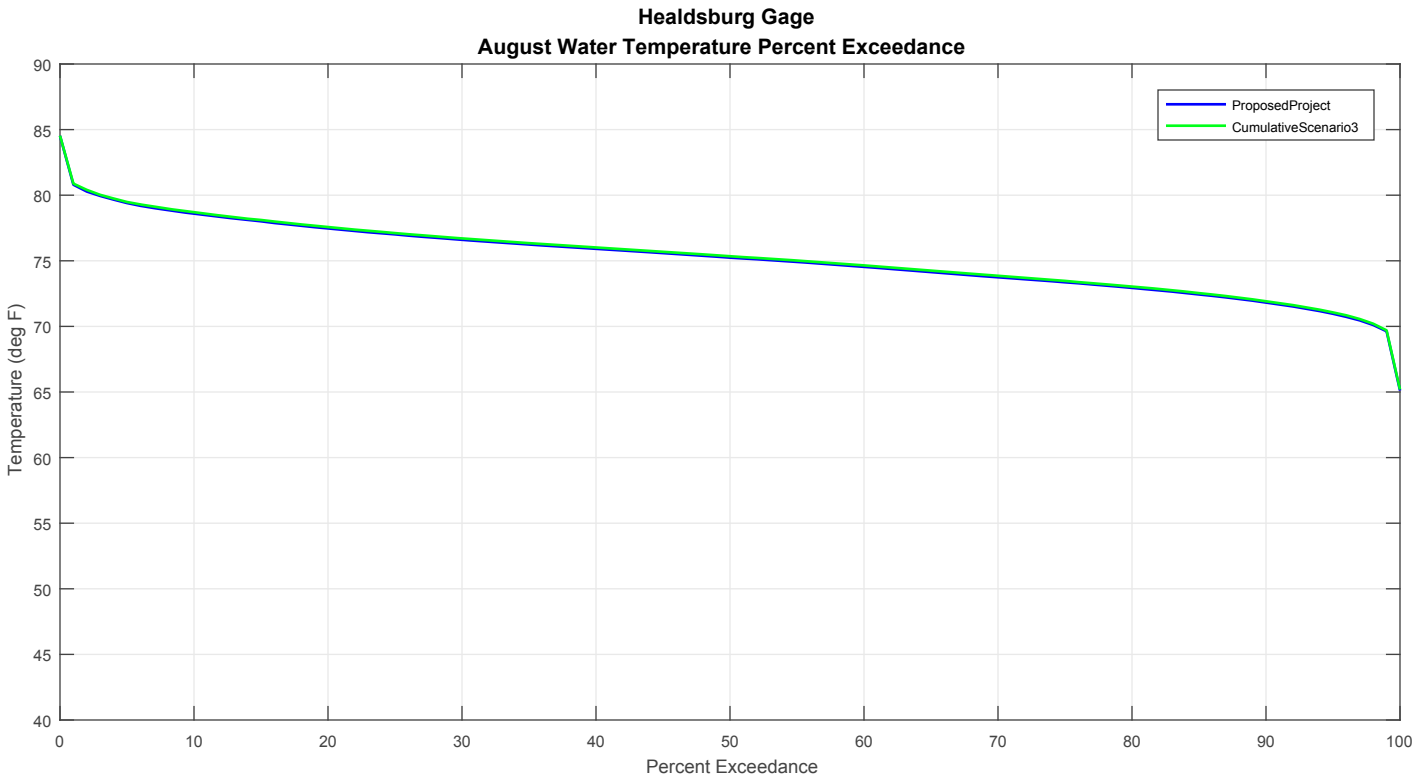
Healdsburg Gage
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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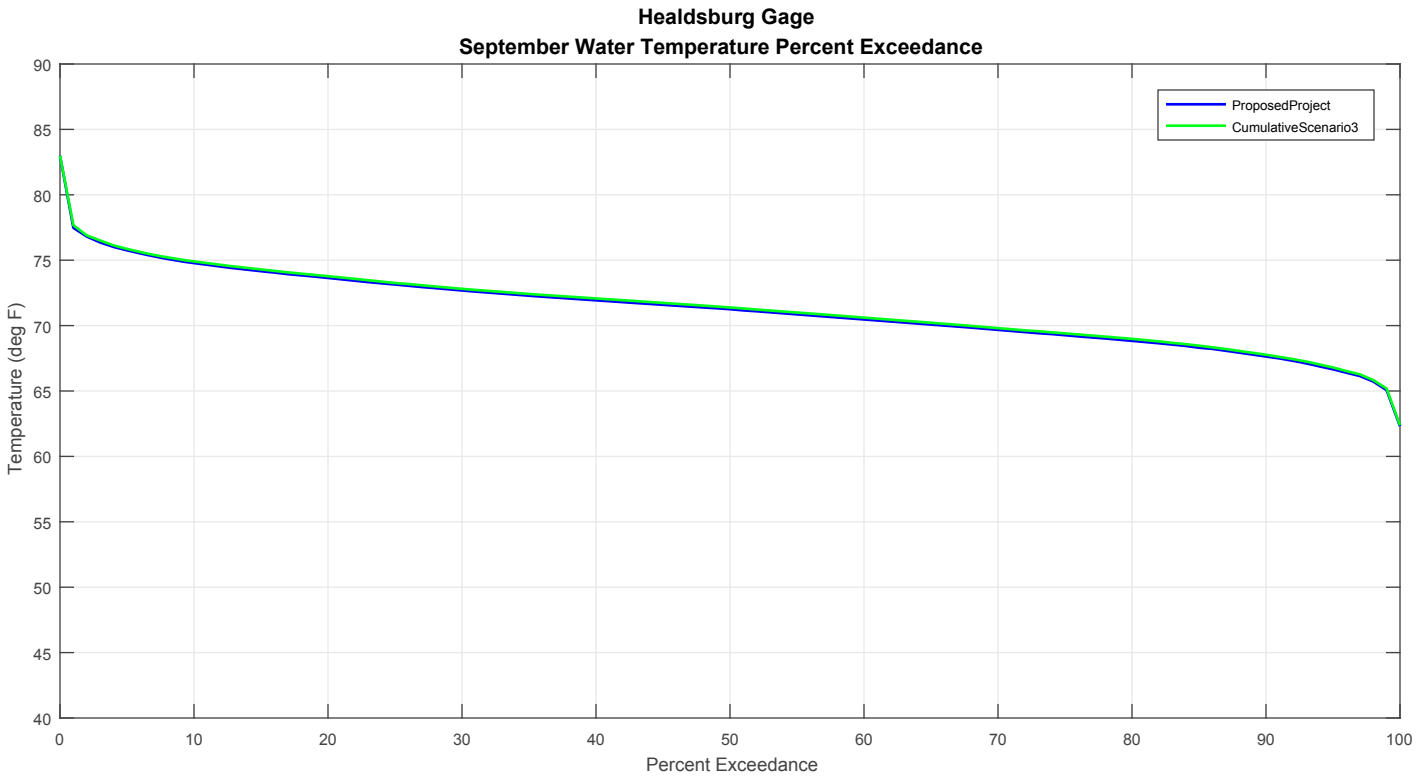
Healdsburg Gage
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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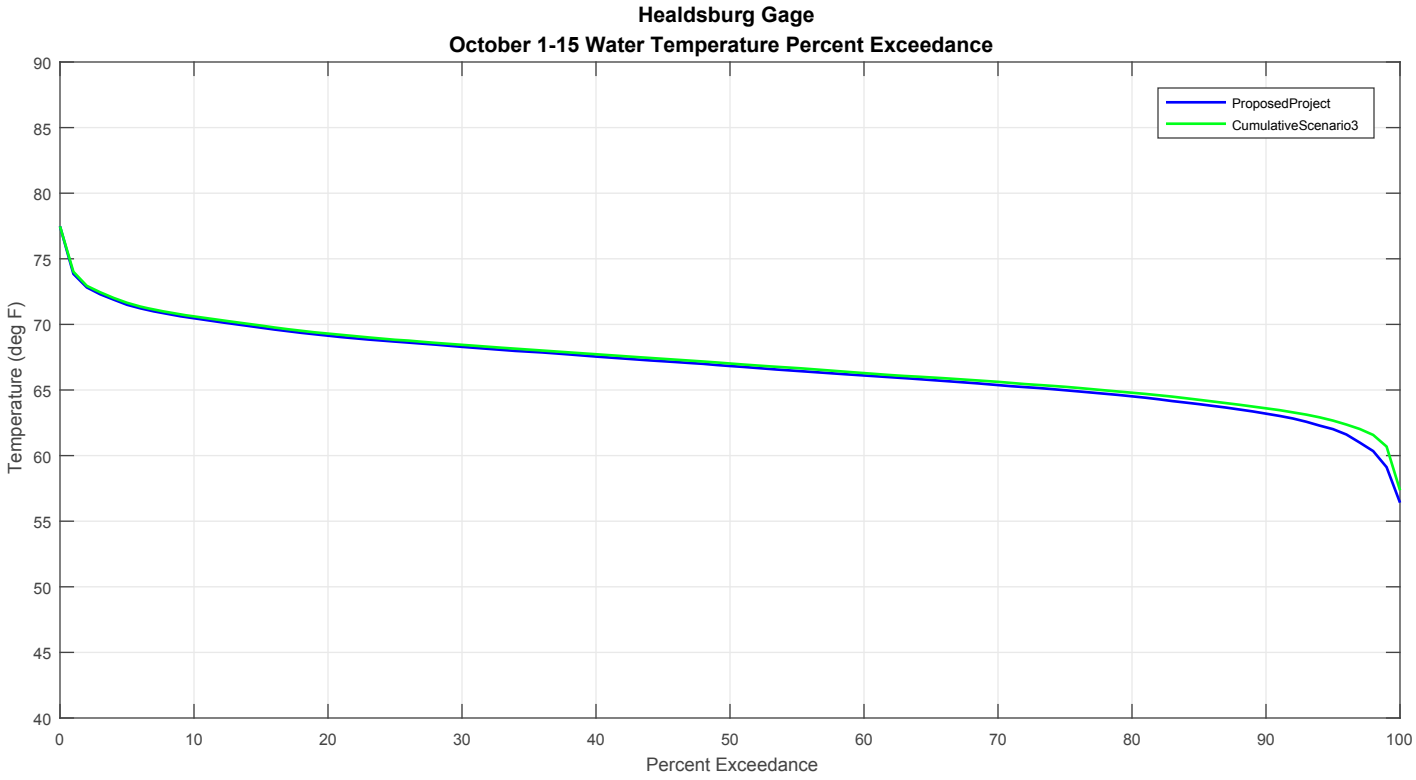
Healdsburg Gage
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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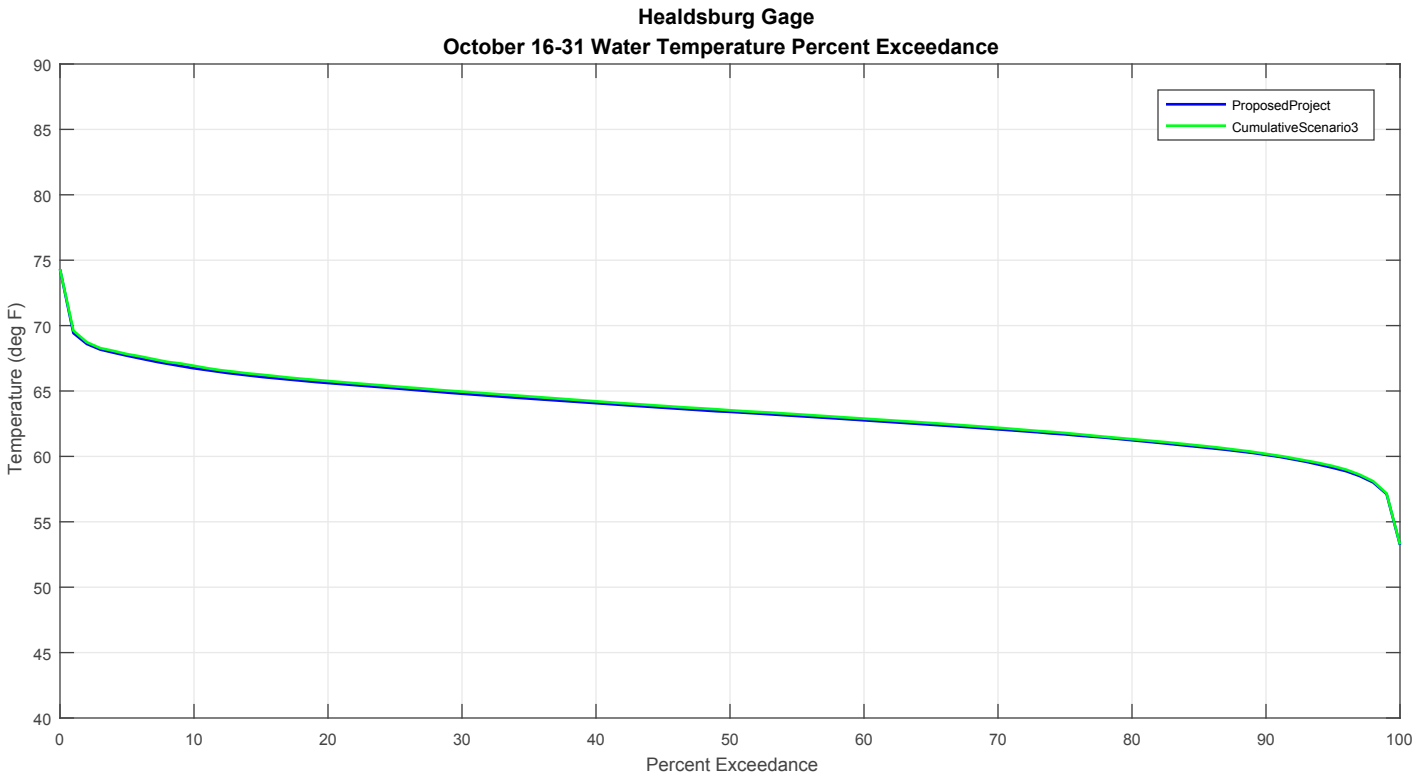
Healdsburg Gage
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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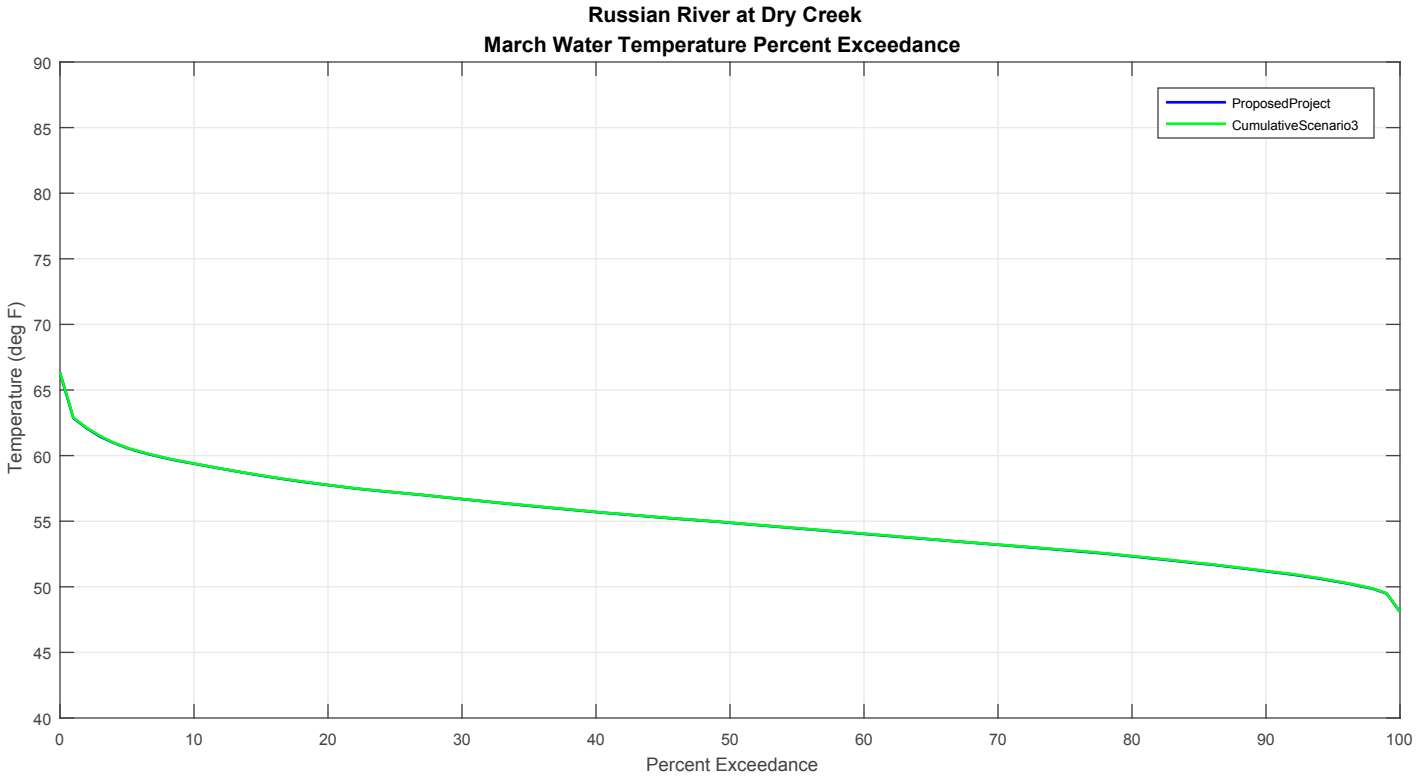
Russian River at Dry Creek
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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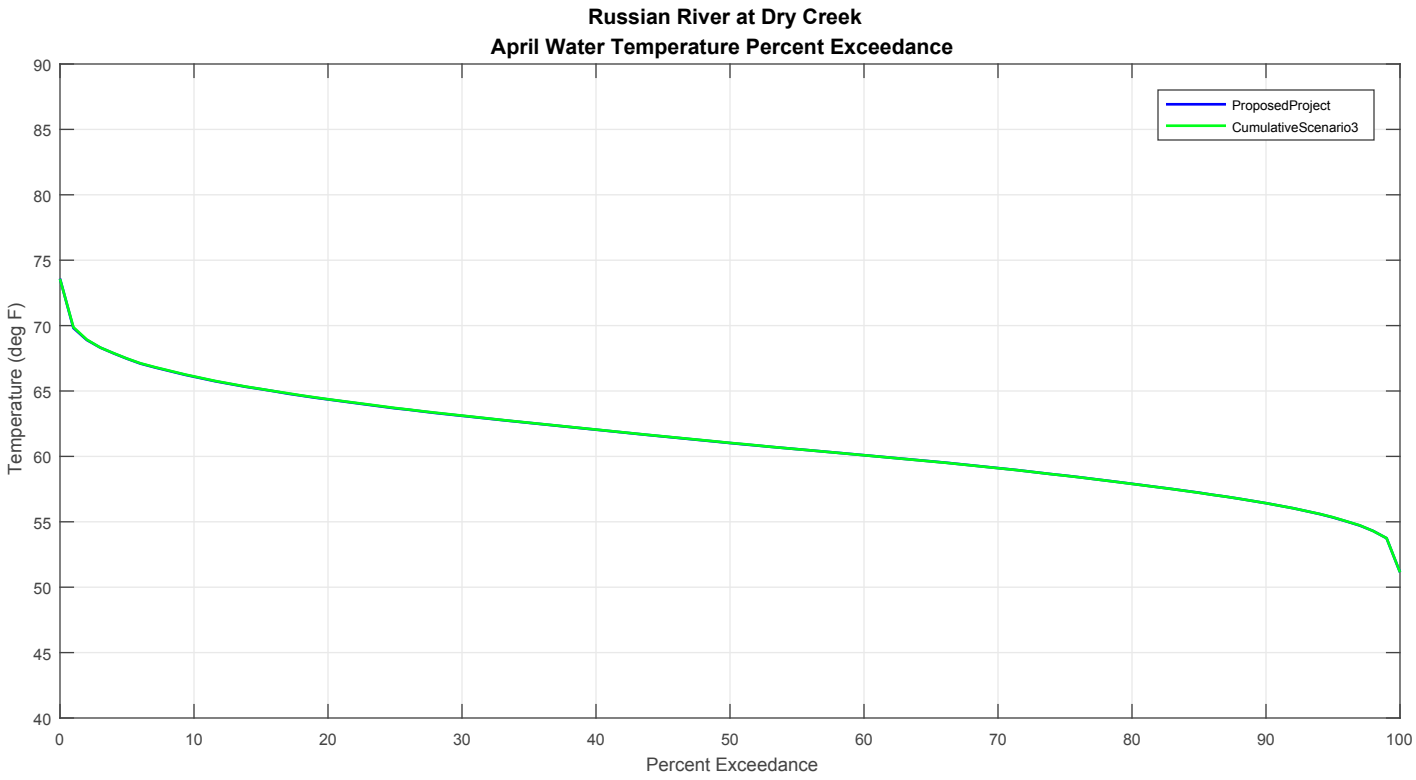
Russian River at Dry Creek
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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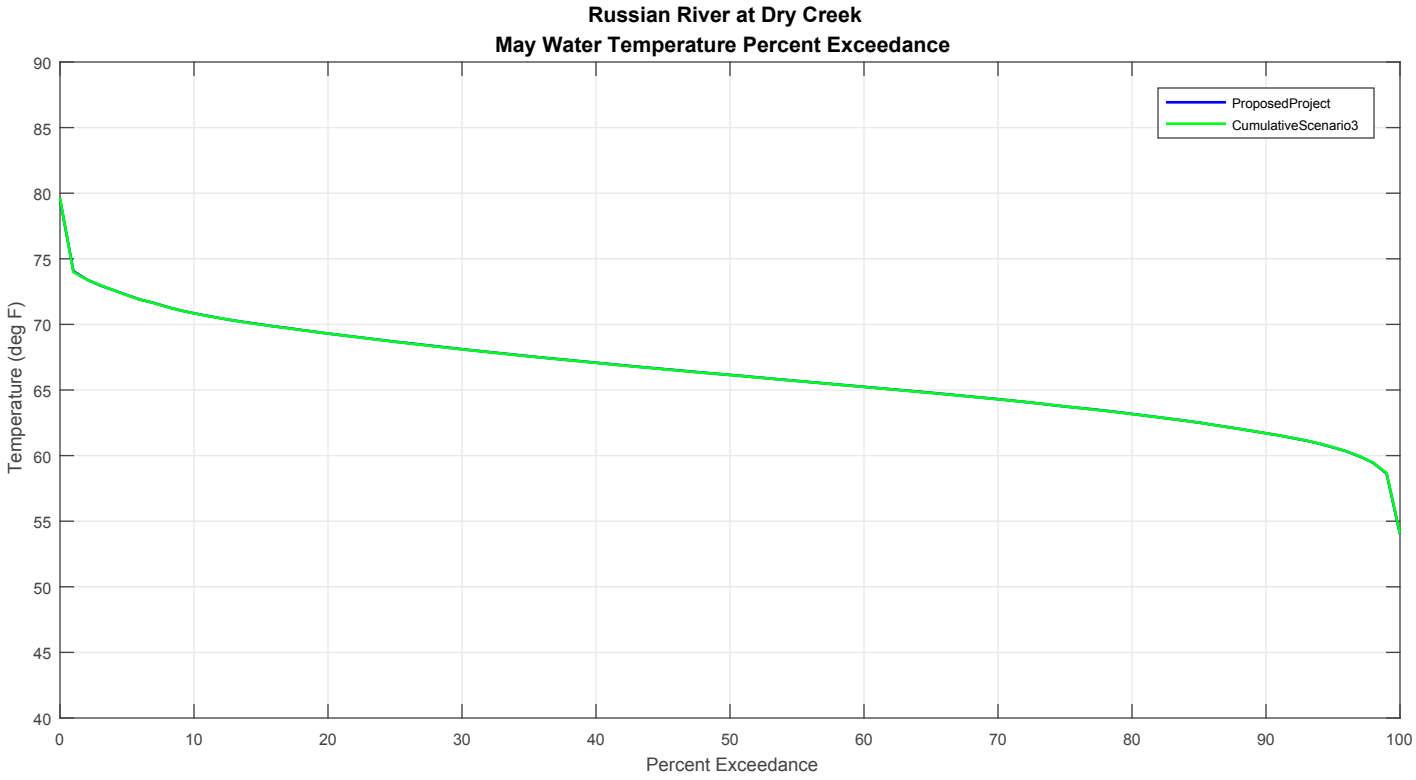
Russian River at Dry Creek
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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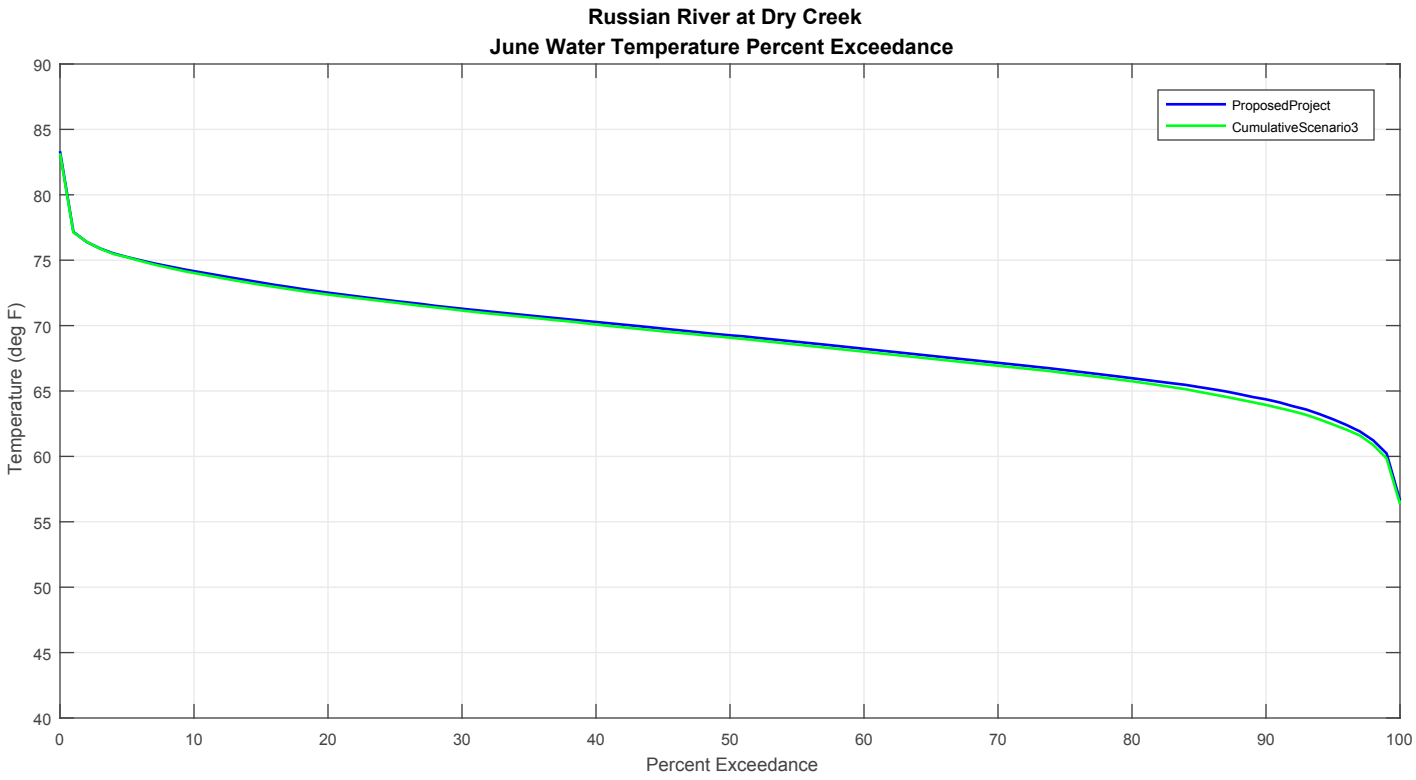
Russian River at Dry Creek
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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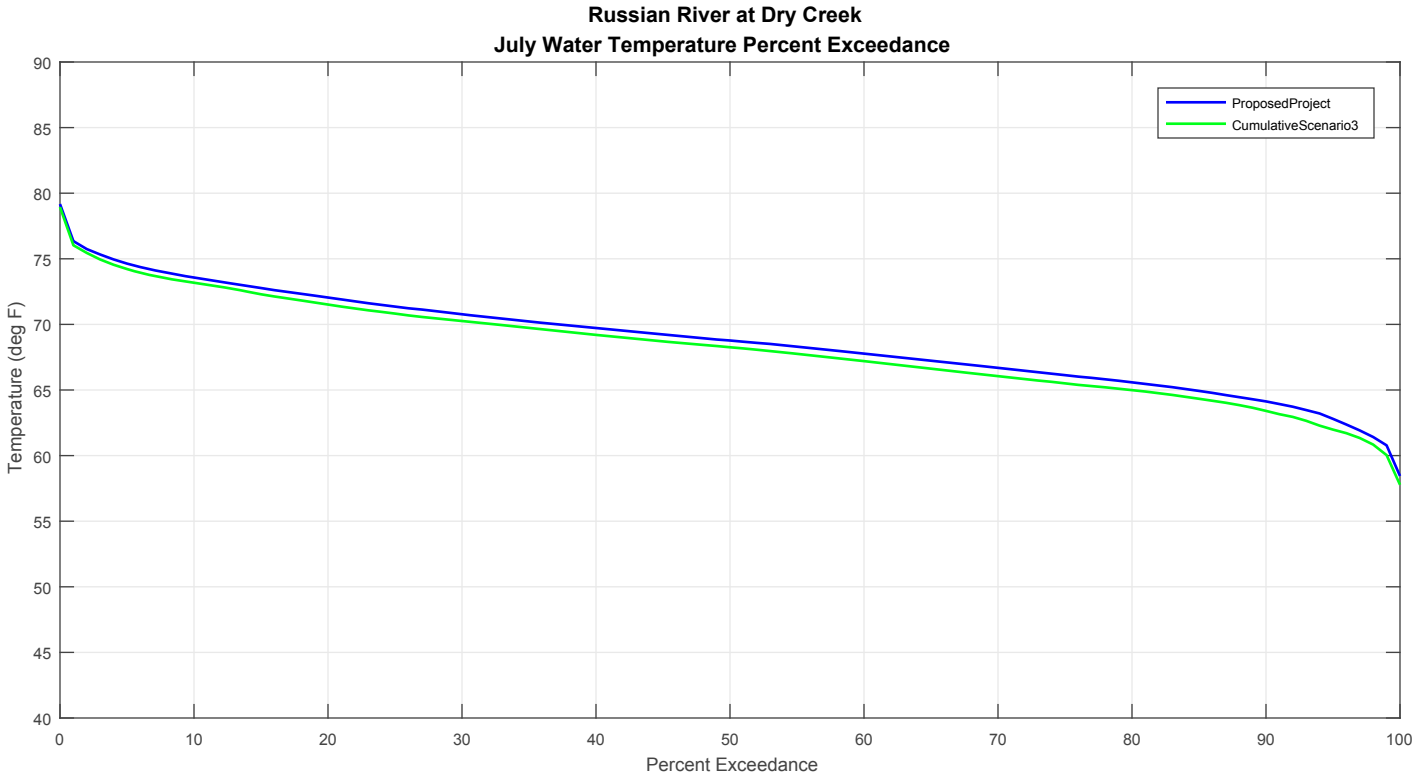
Russian River at Dry Creek
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
90
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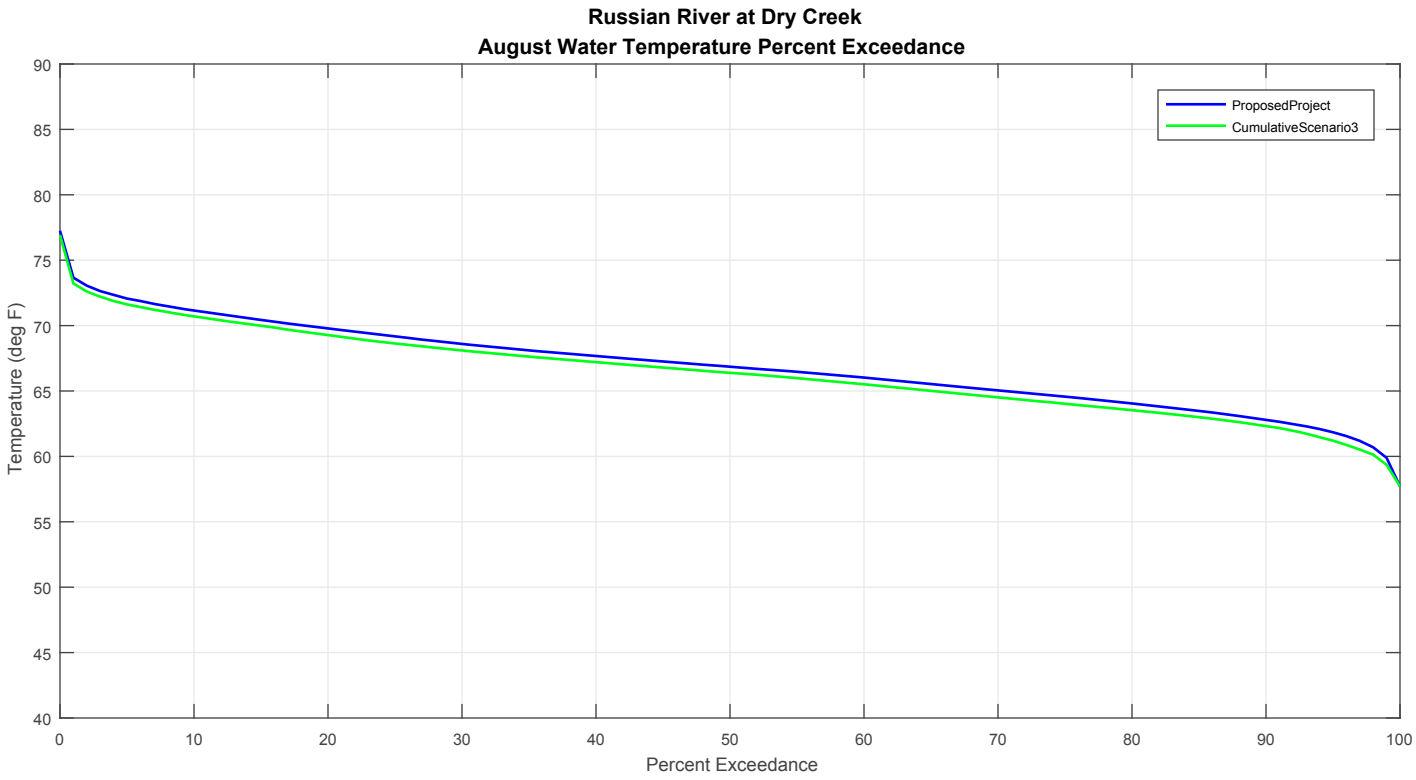
Russian River at Dry Creek
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
90
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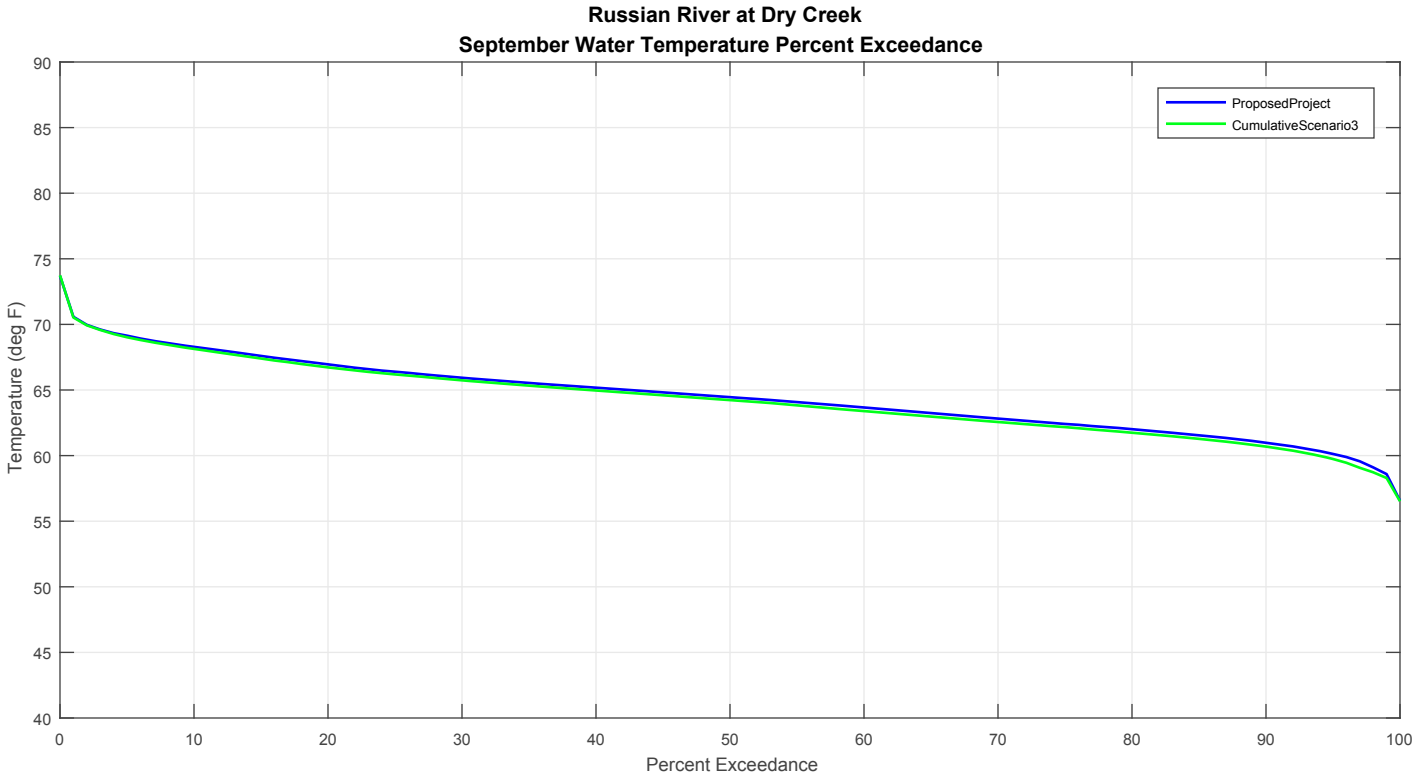
Russian River at Dry Creek
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
90
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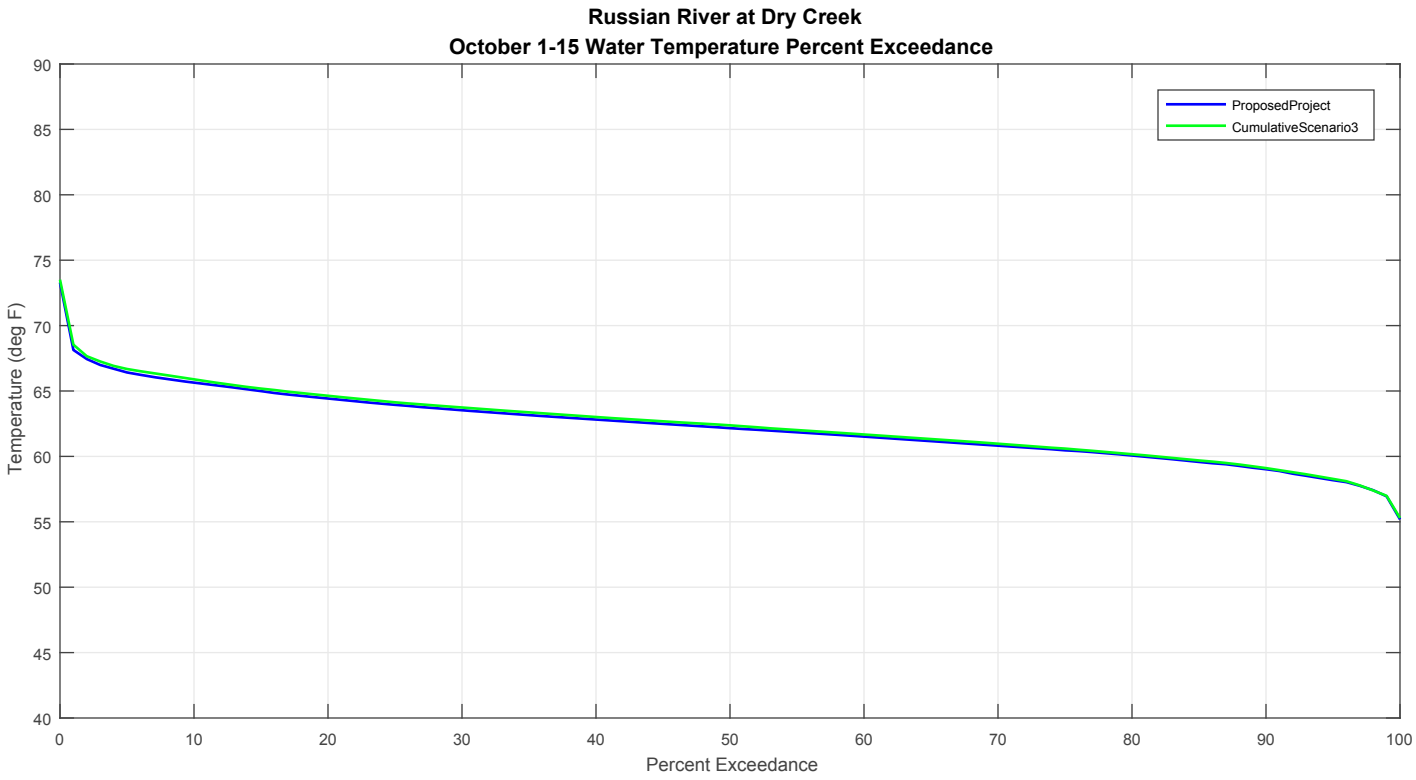
Russian River at Dry Creek
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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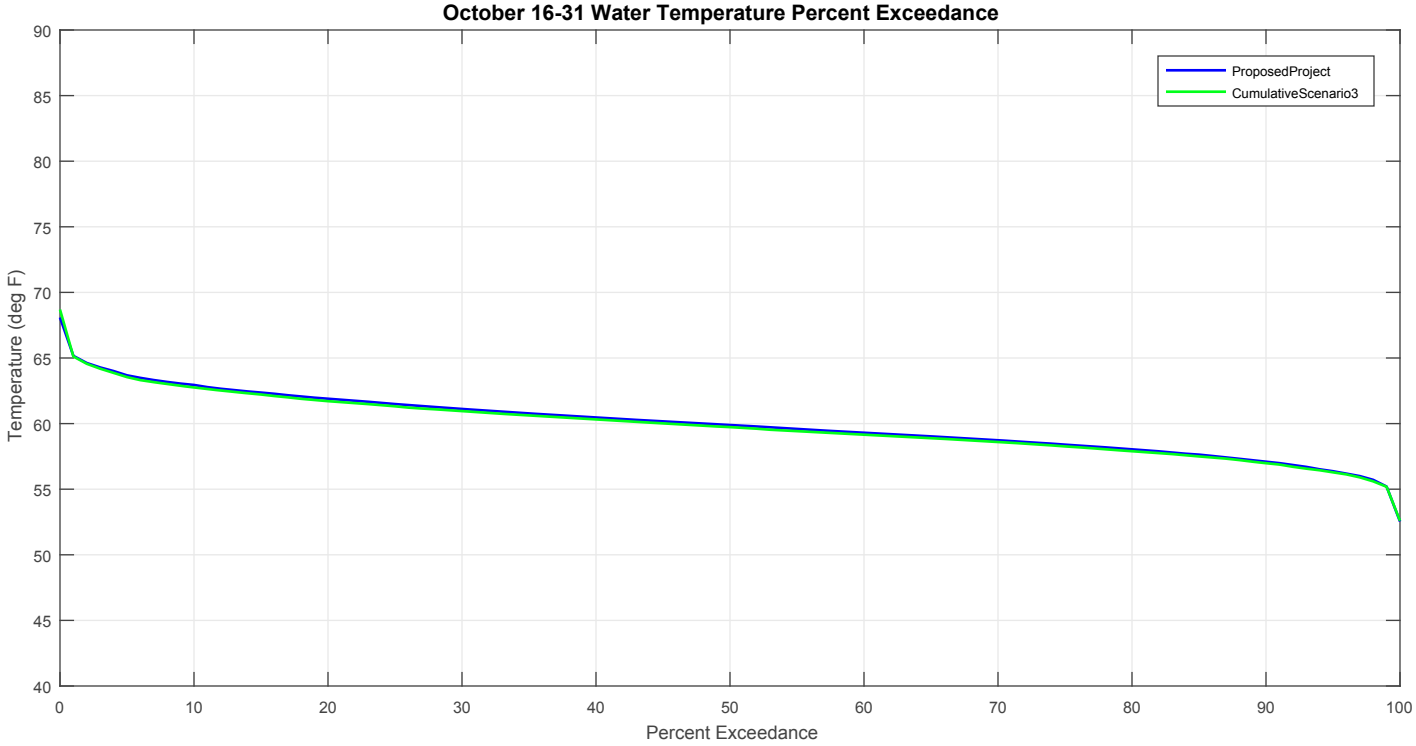
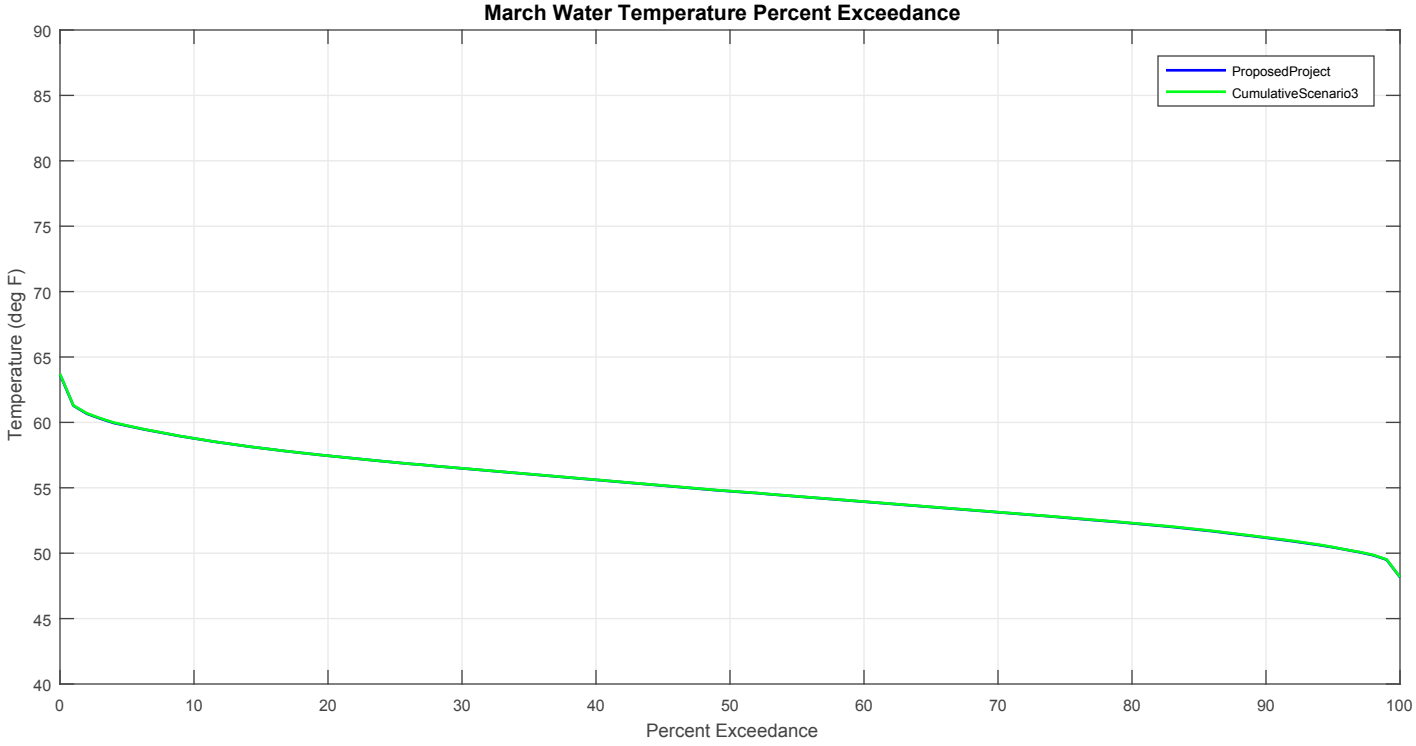
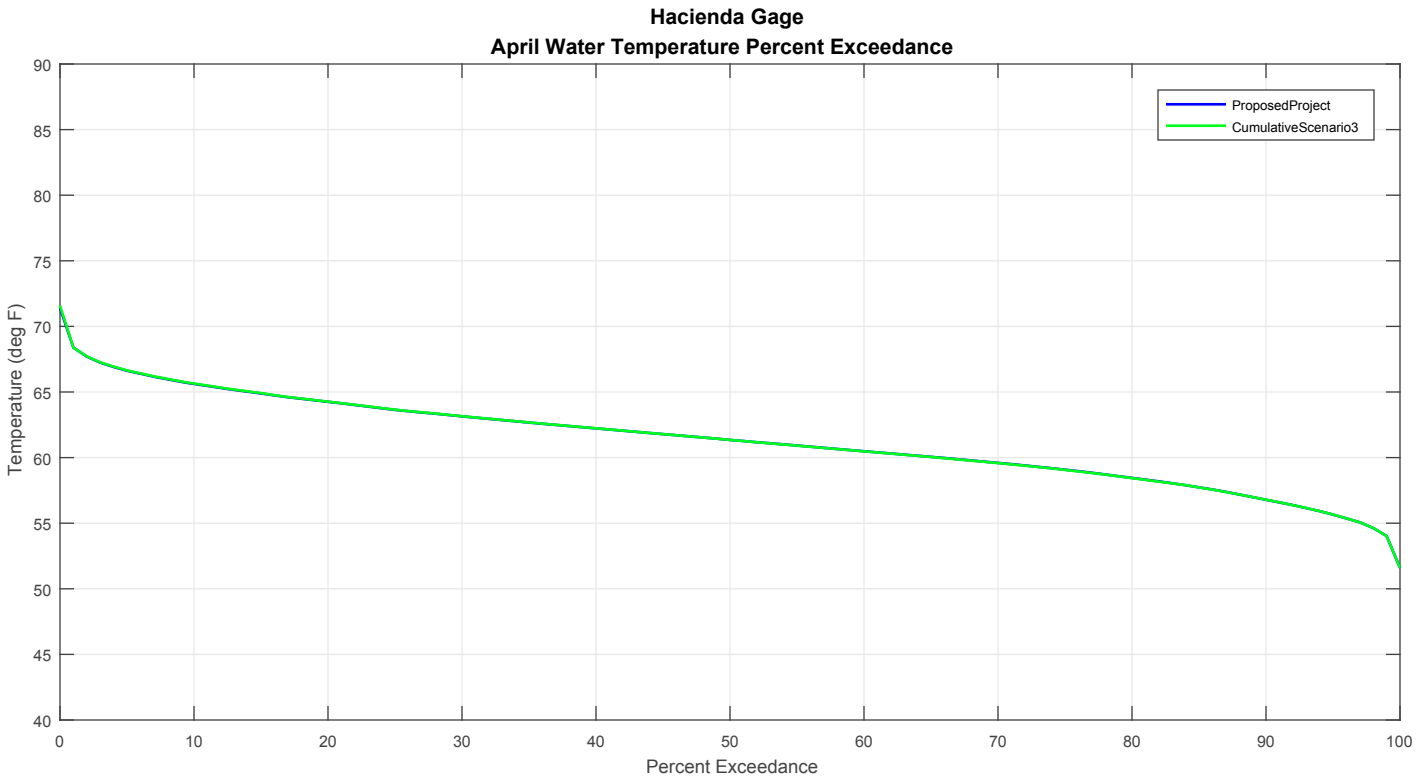
**Russian River at Dry Creek**
**October 16-31 Water Temperature Percent Exceedance**




**Hacienda Gage**
**March Water Temperature Percent Exceedance**




Hacienda Gage
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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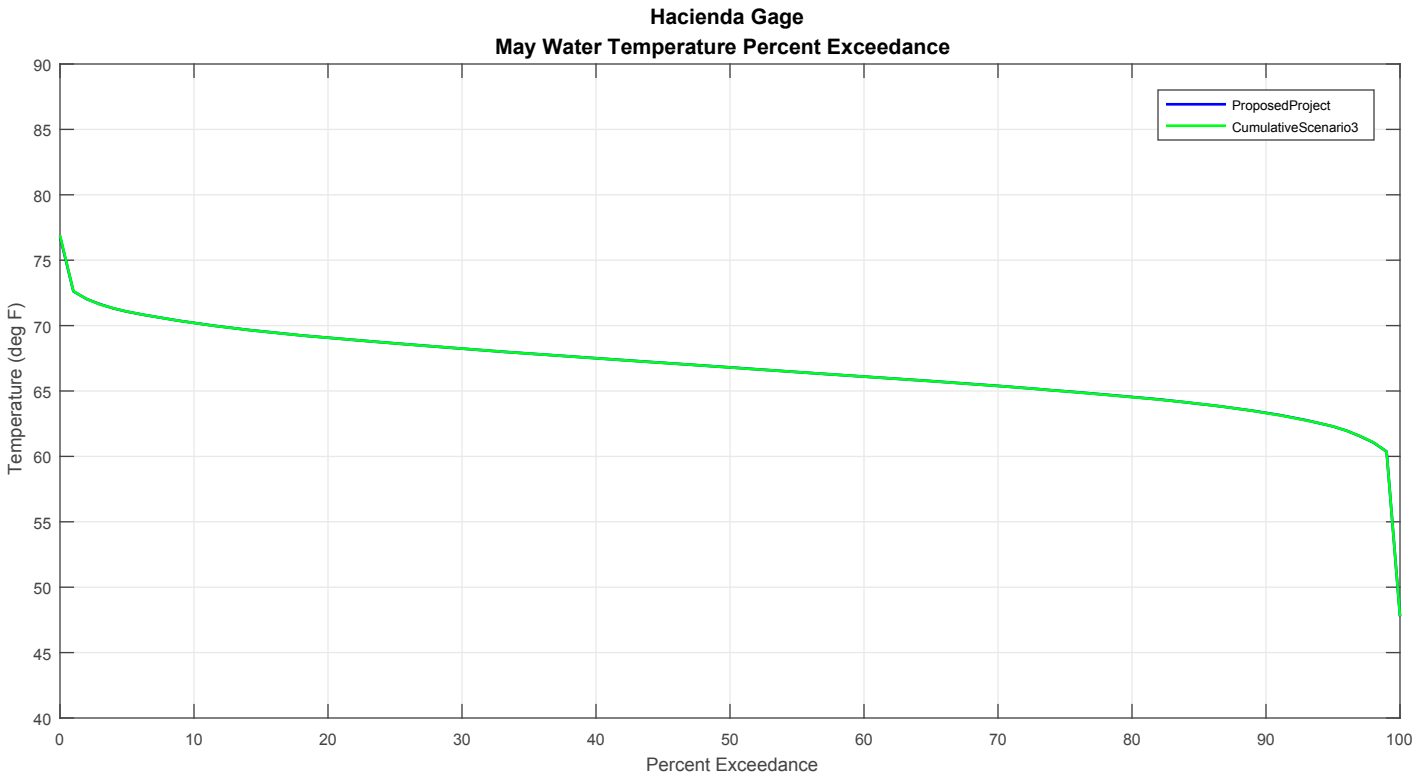
Hacienda Gage
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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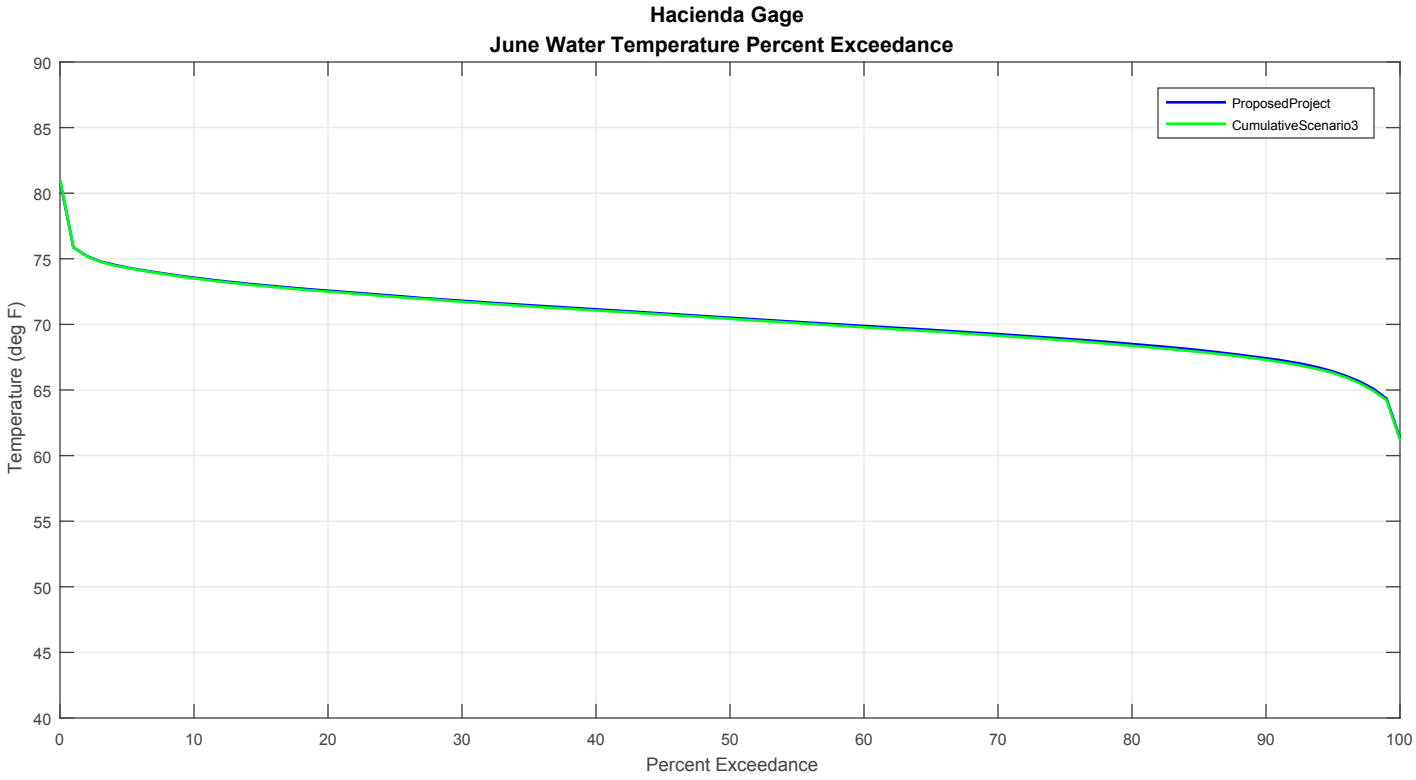
Hacienda Gage
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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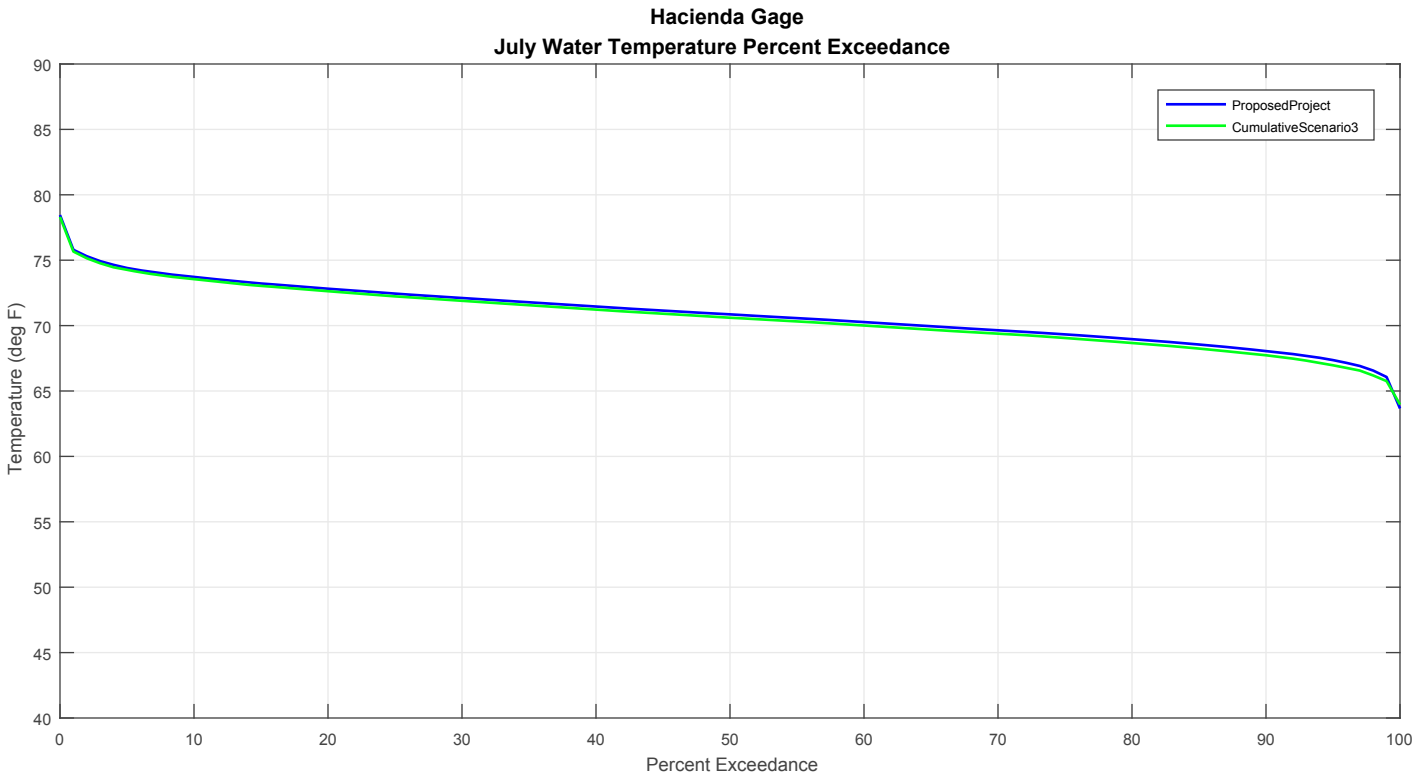
Hacienda Gage
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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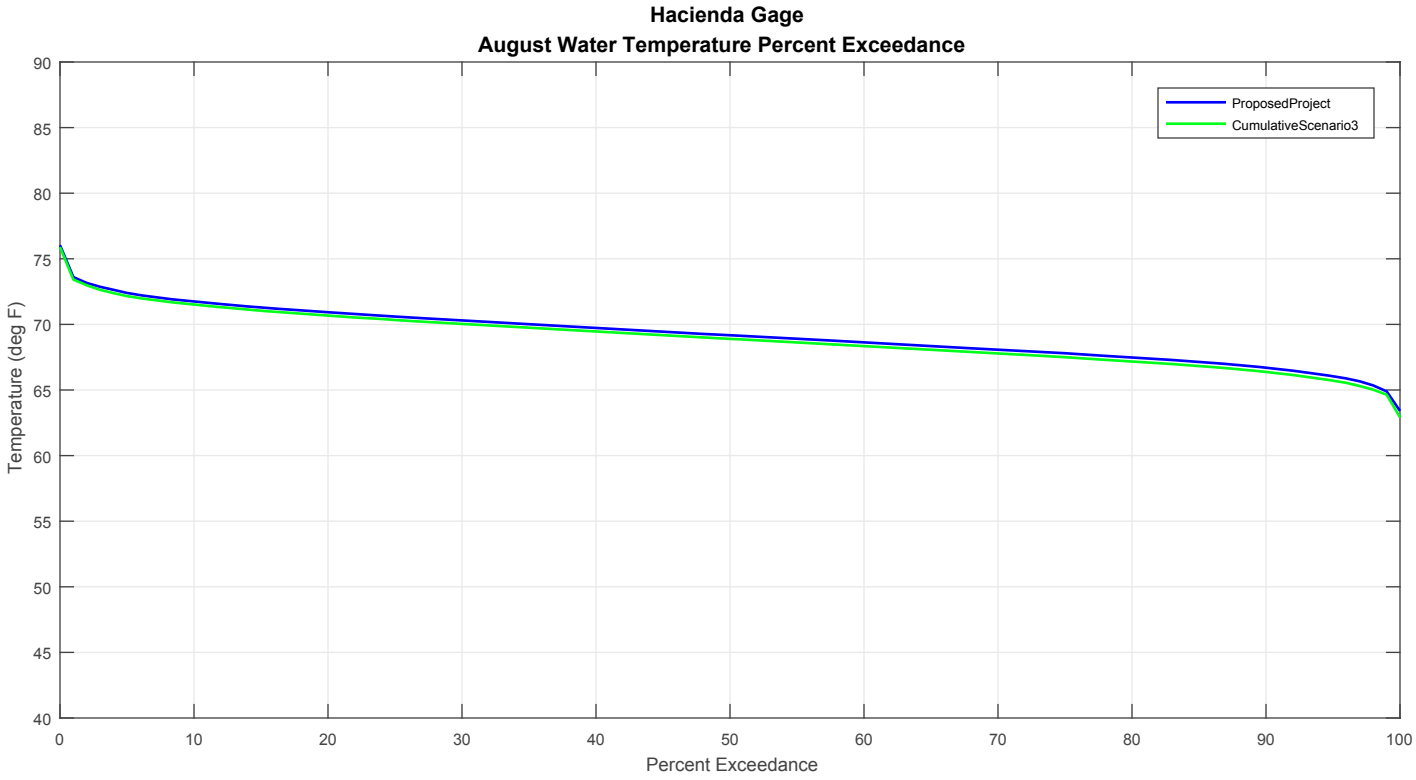
Hacienda Gage
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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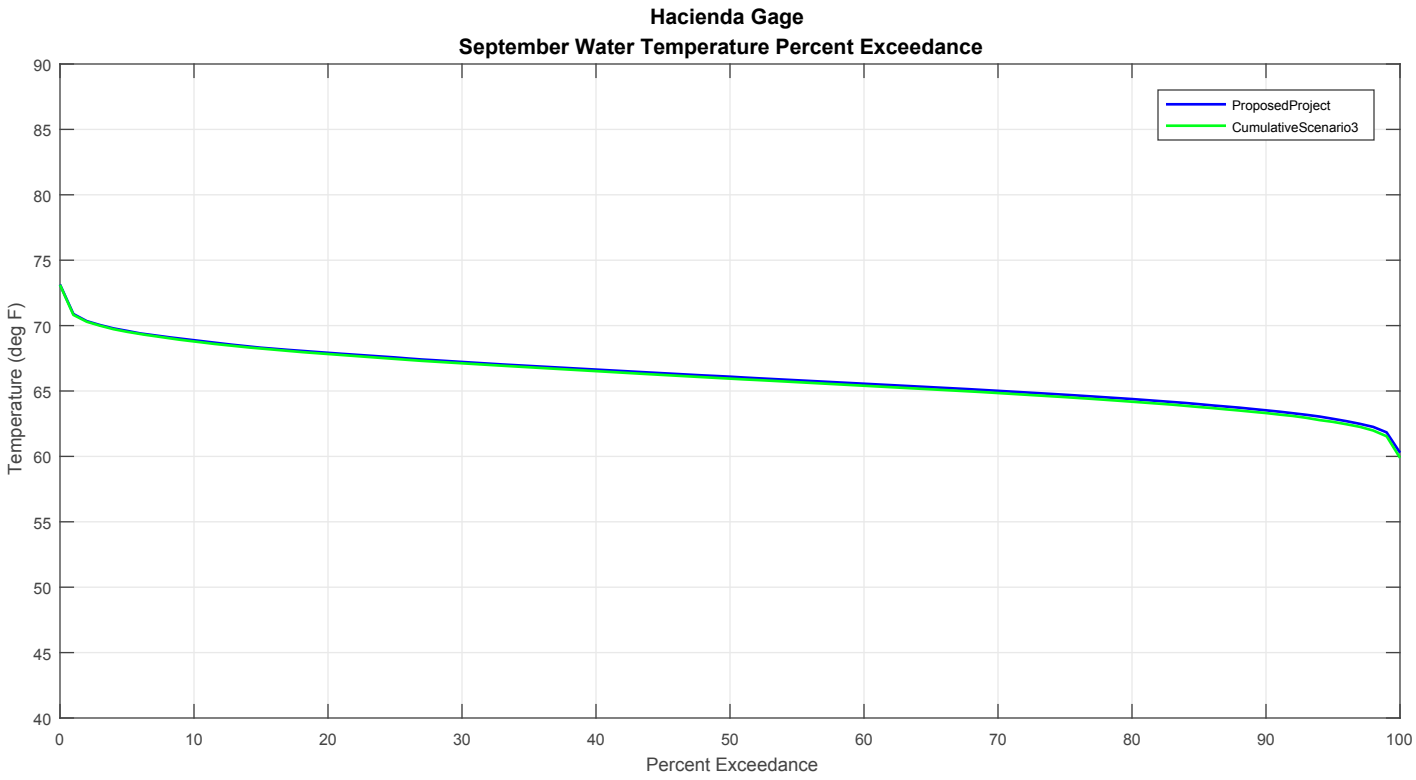
Hacienda Gage
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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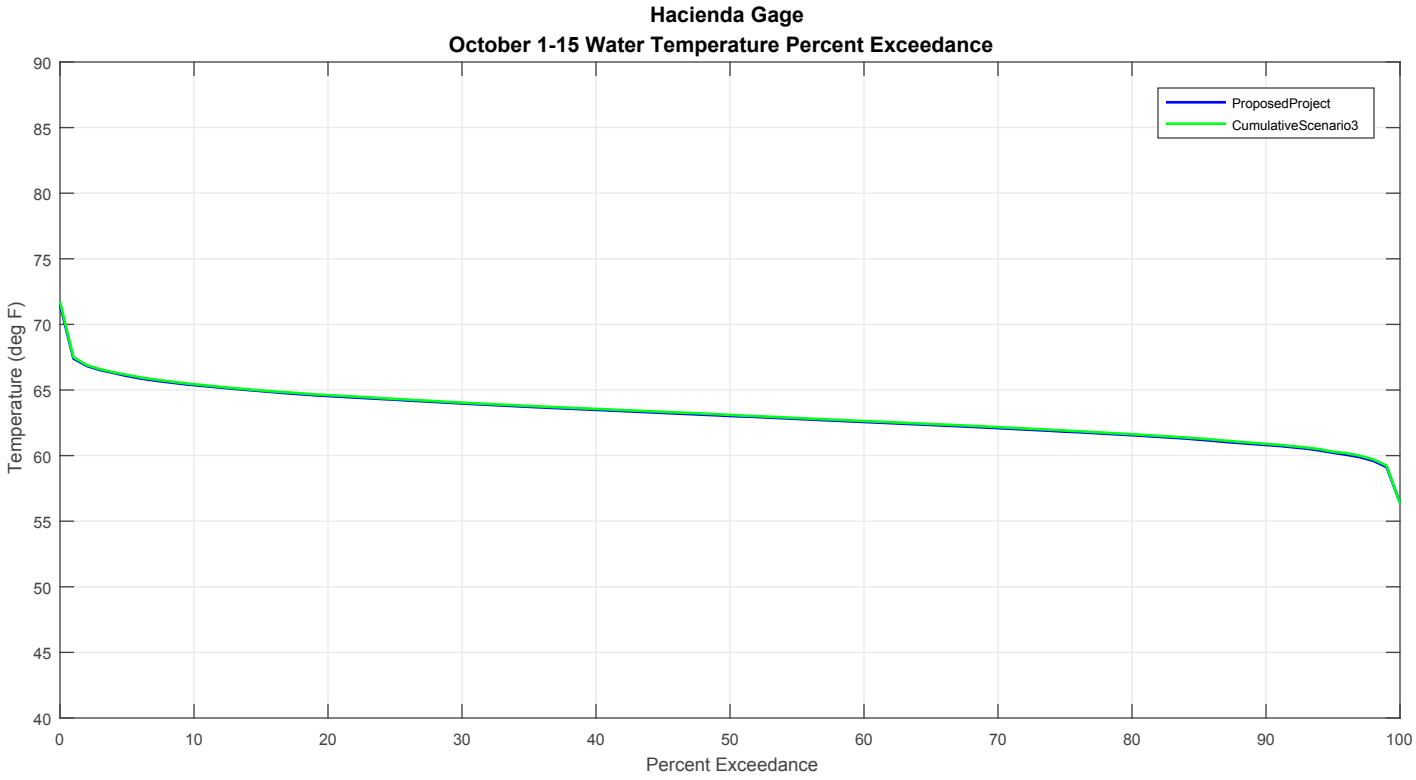
Hacienda Gage
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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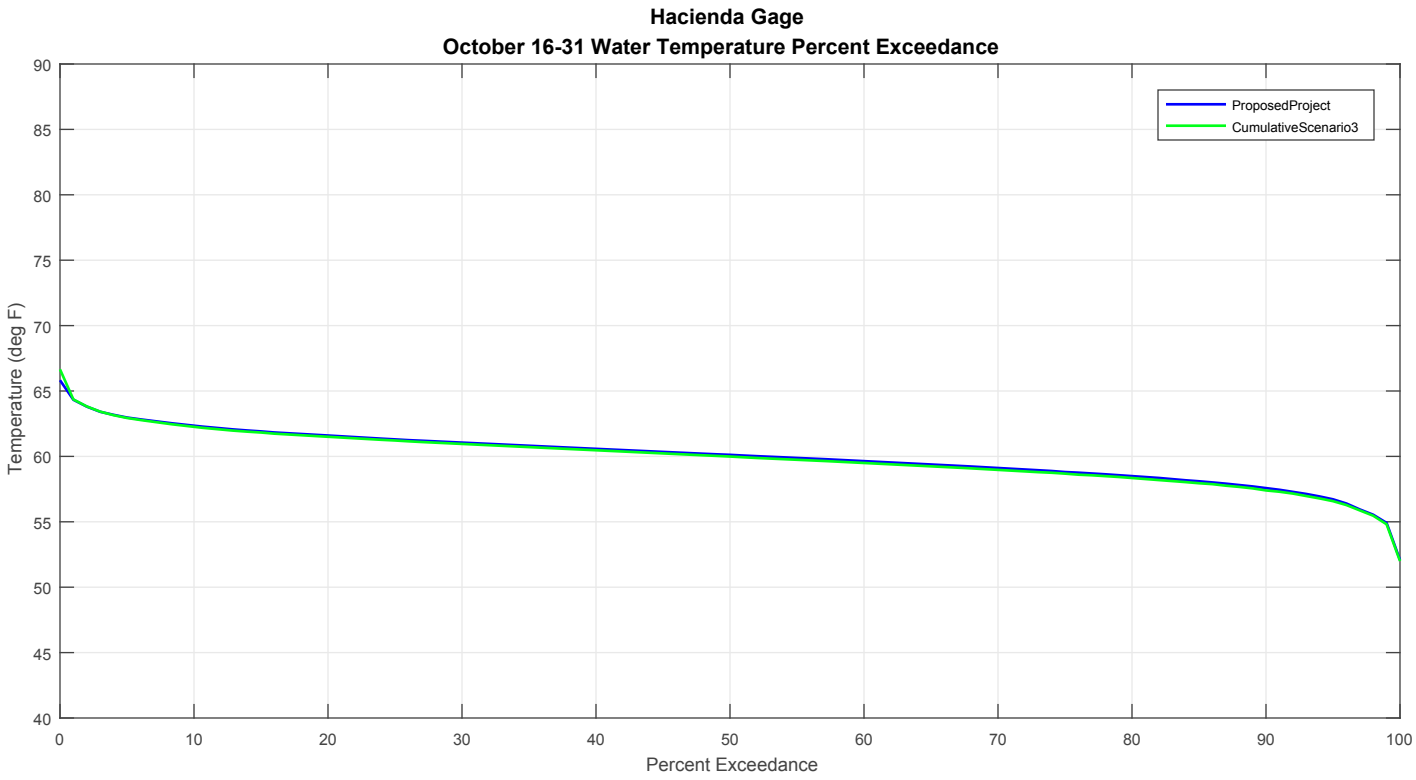
Hacienda Gage
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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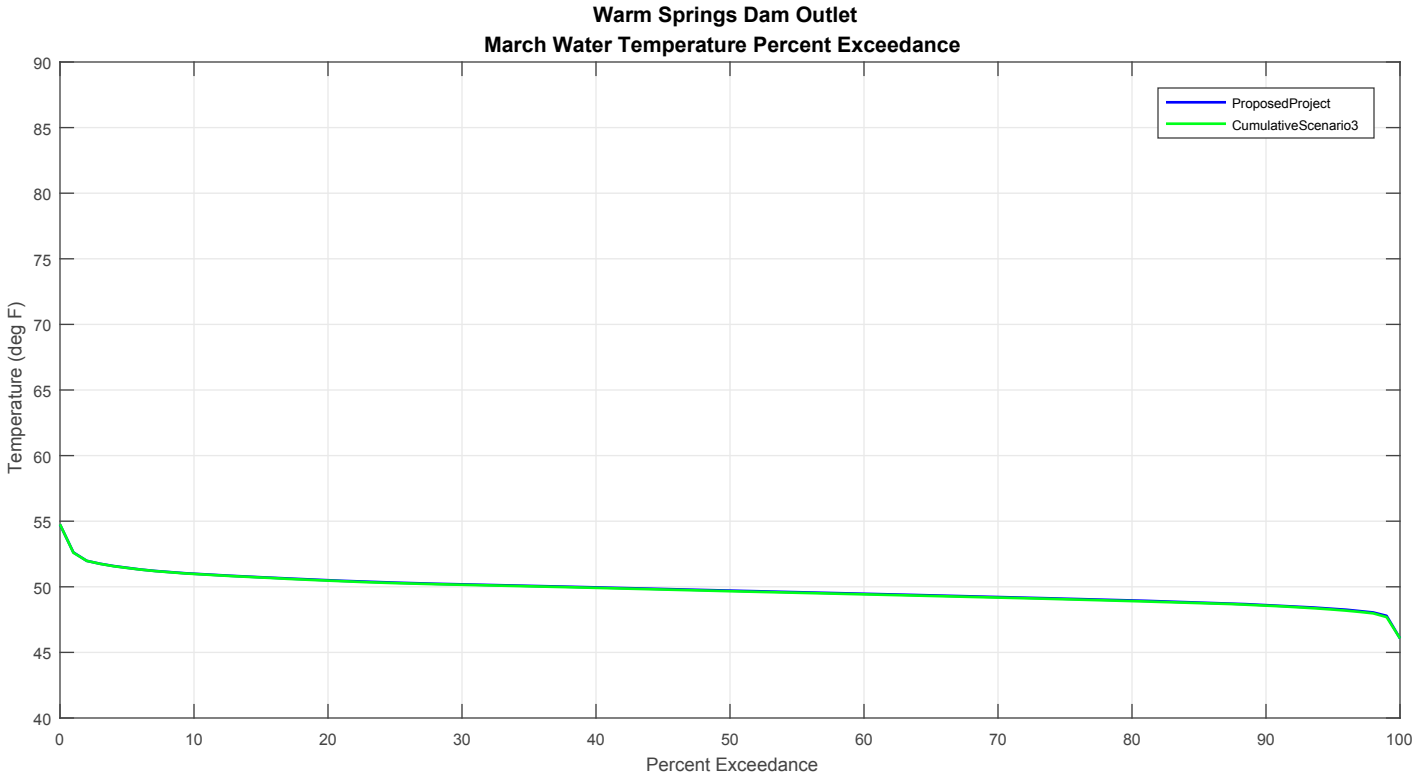
Warm Springs Dam Outlet
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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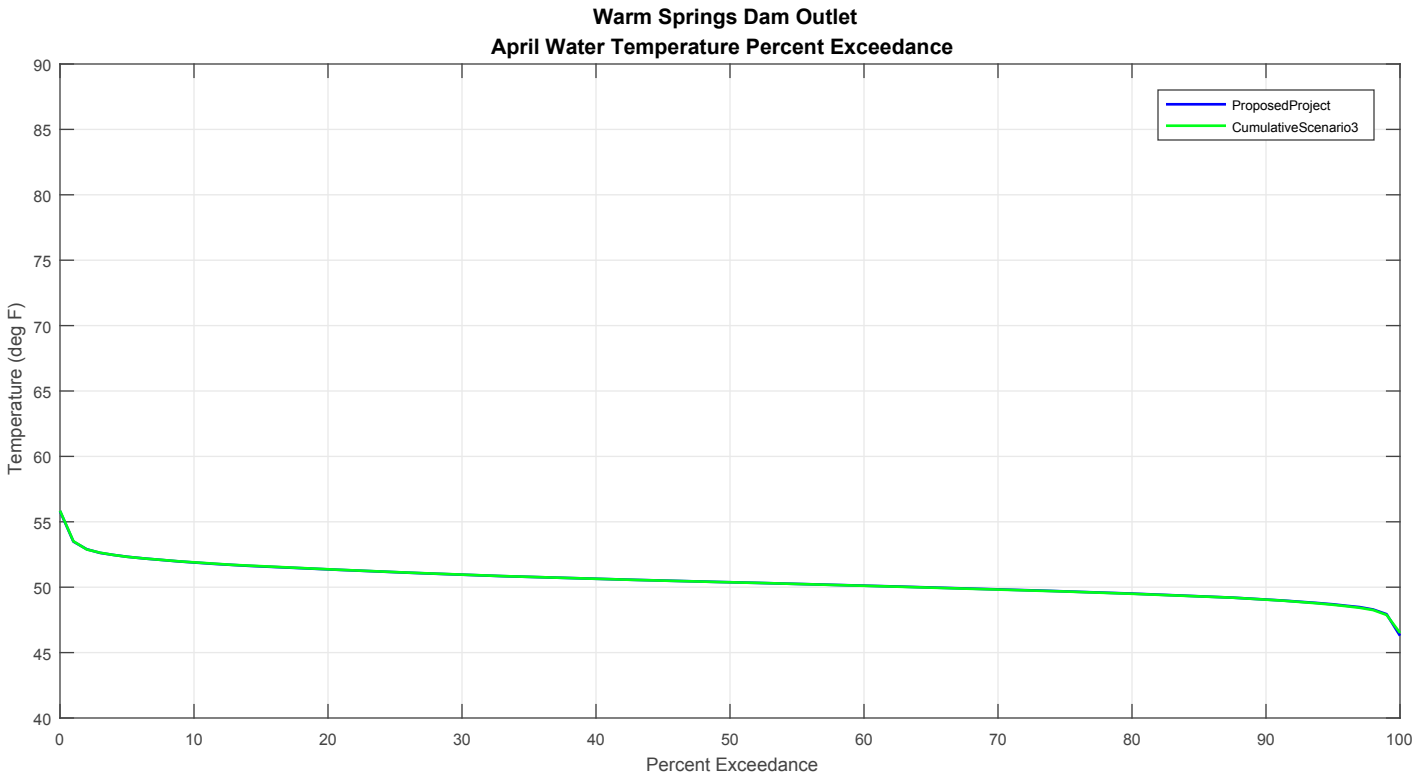
Warm Springs Dam Outlet
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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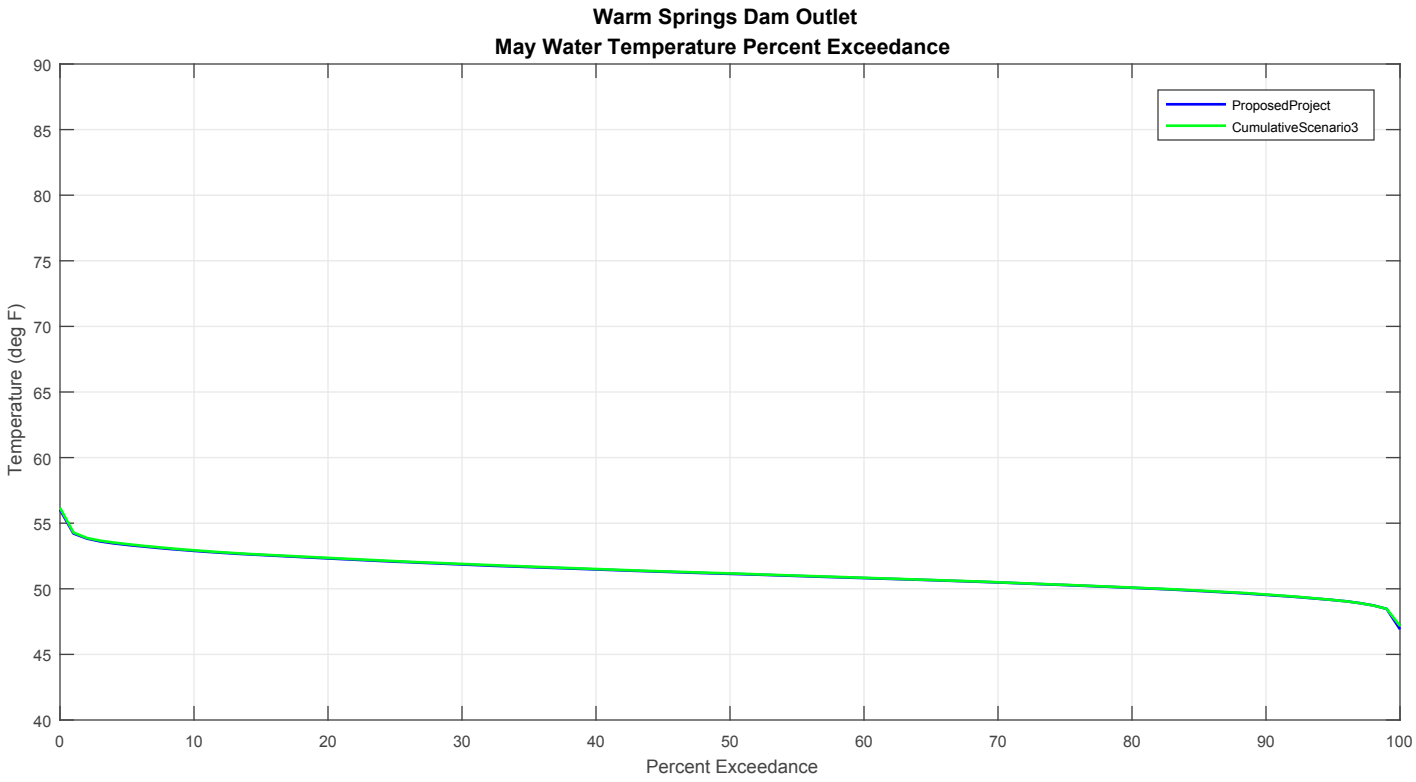
Warm Springs Dam Outlet
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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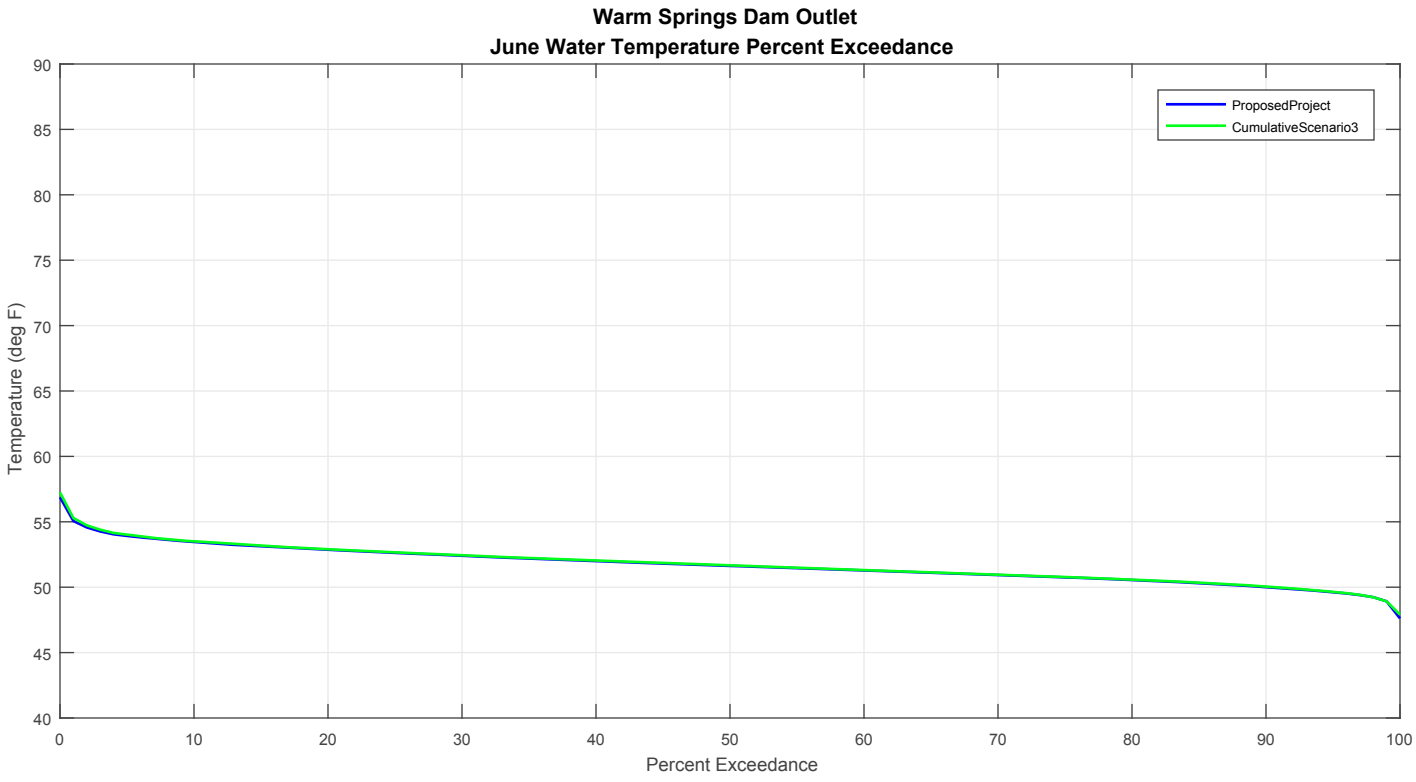
Warm Springs Dam Outlet
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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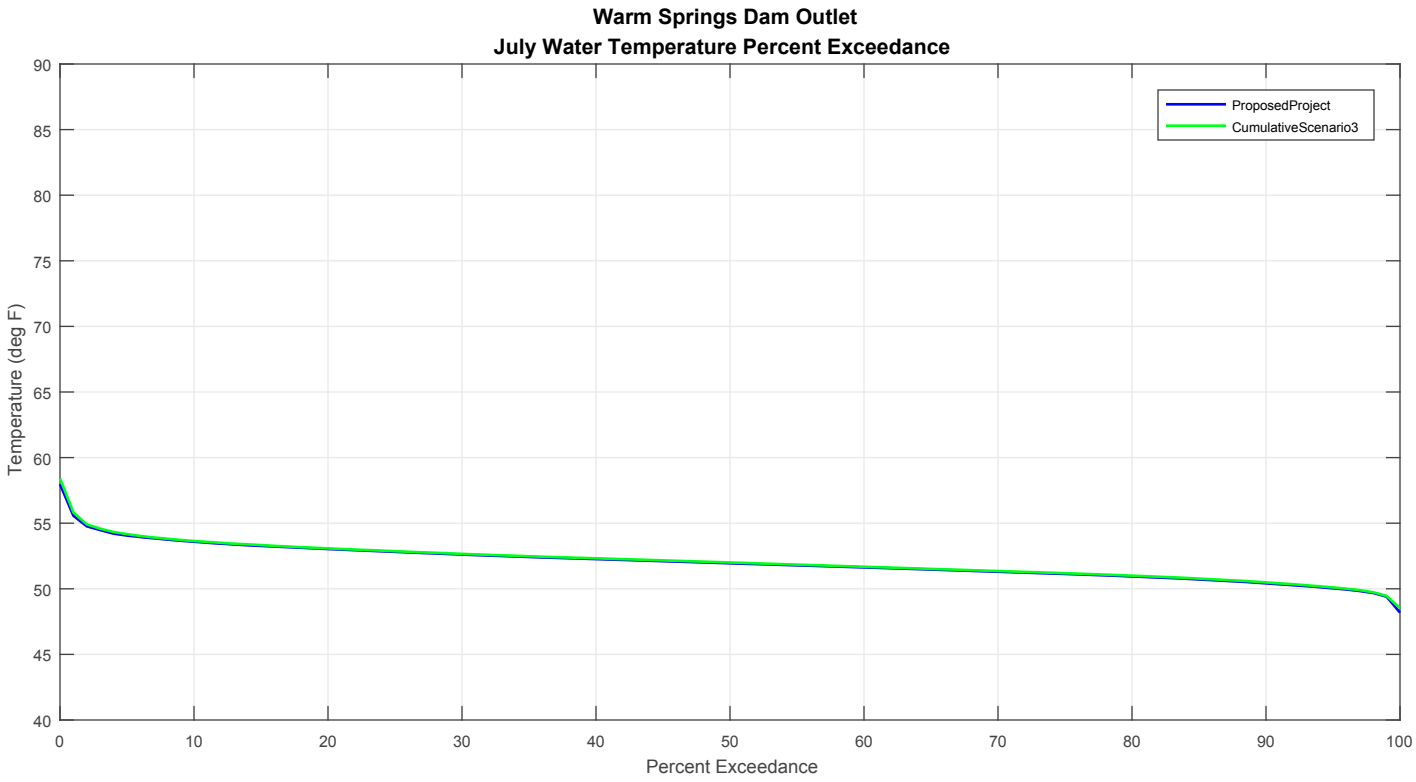
Warm Springs Dam Outlet
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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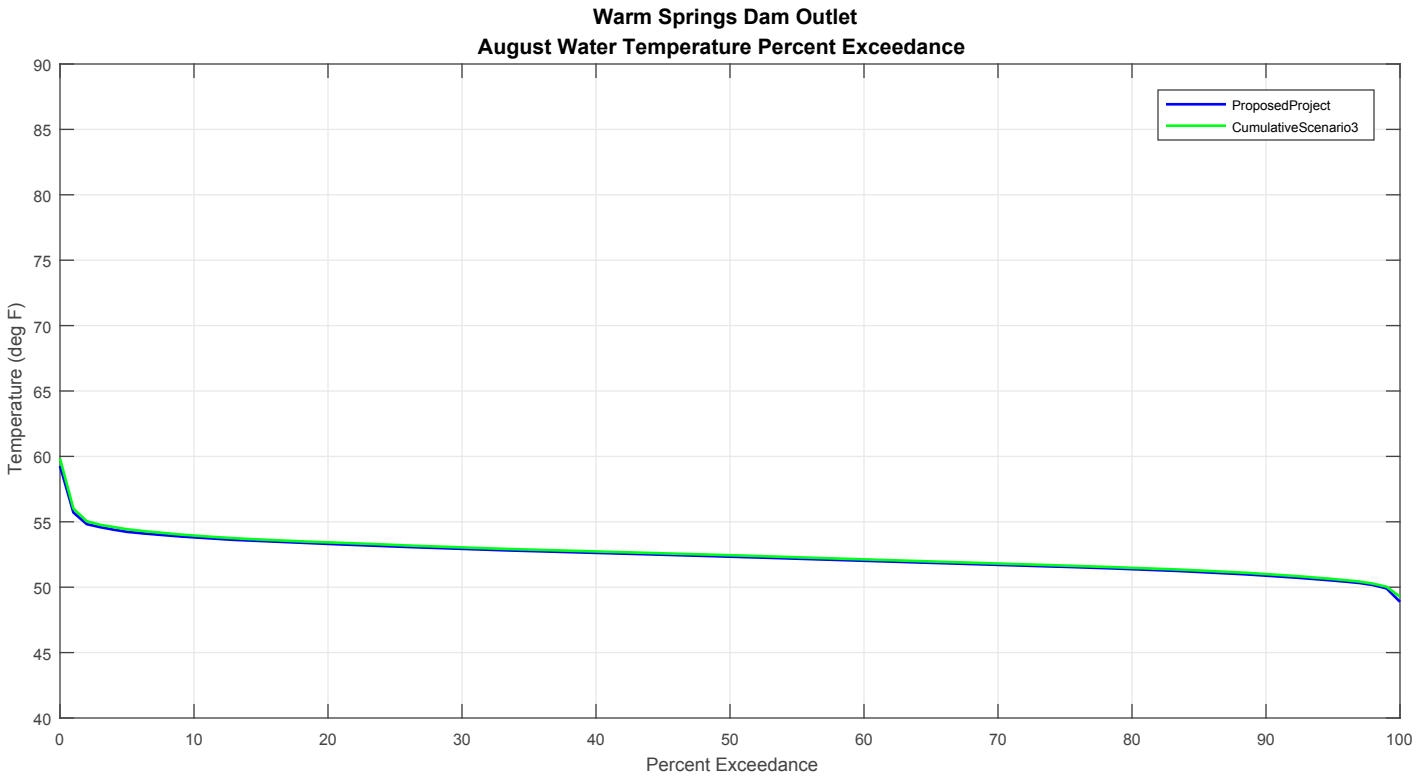
Warm Springs Dam Outlet
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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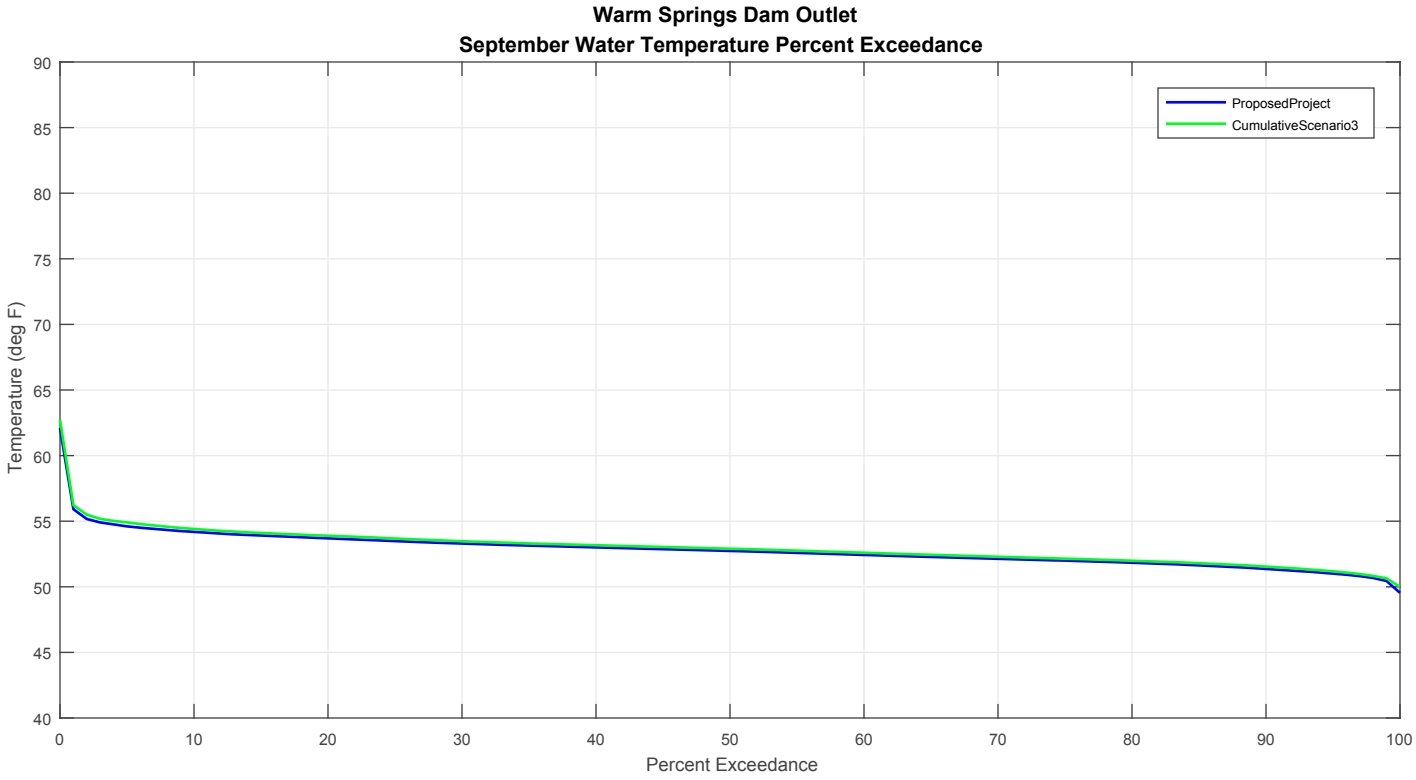
Warm Springs Dam Outlet
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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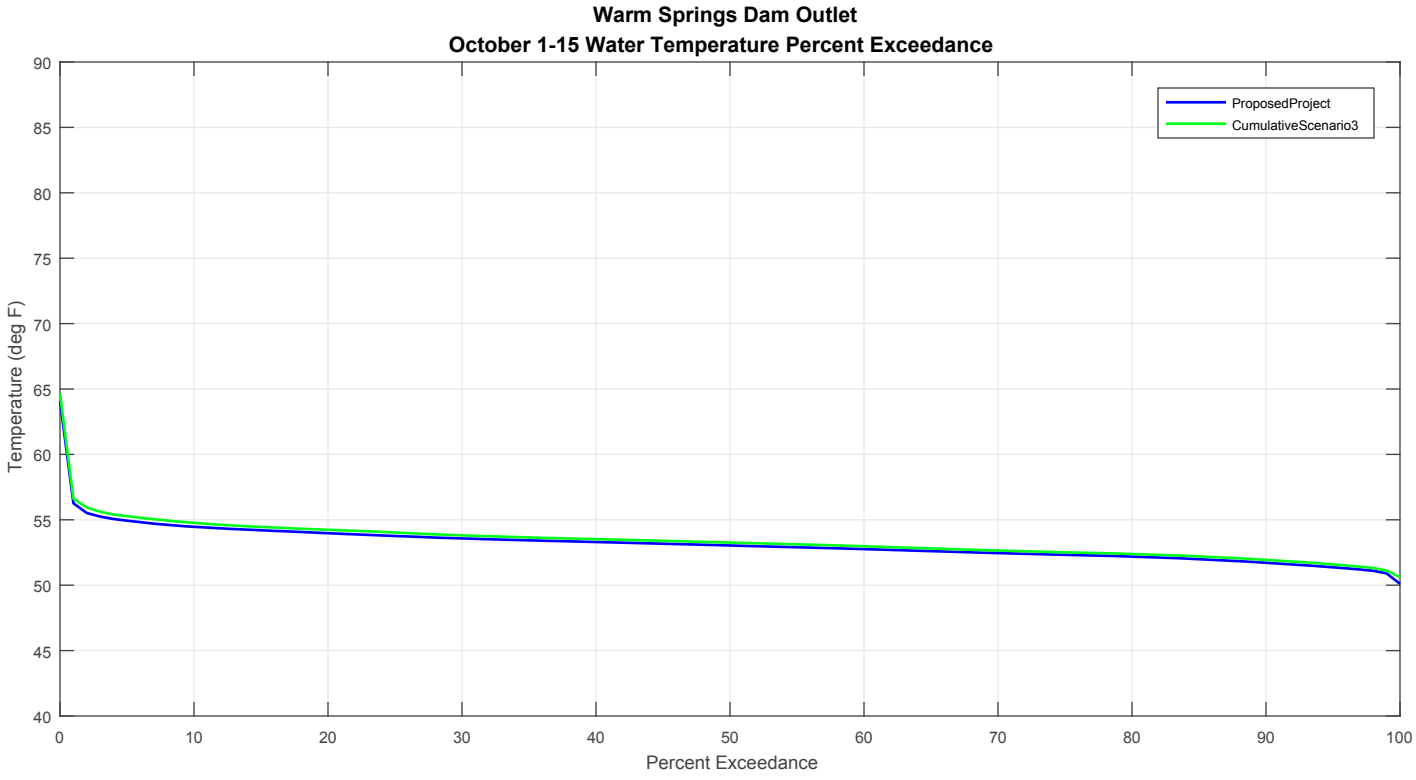
Warm Springs Dam Outlet
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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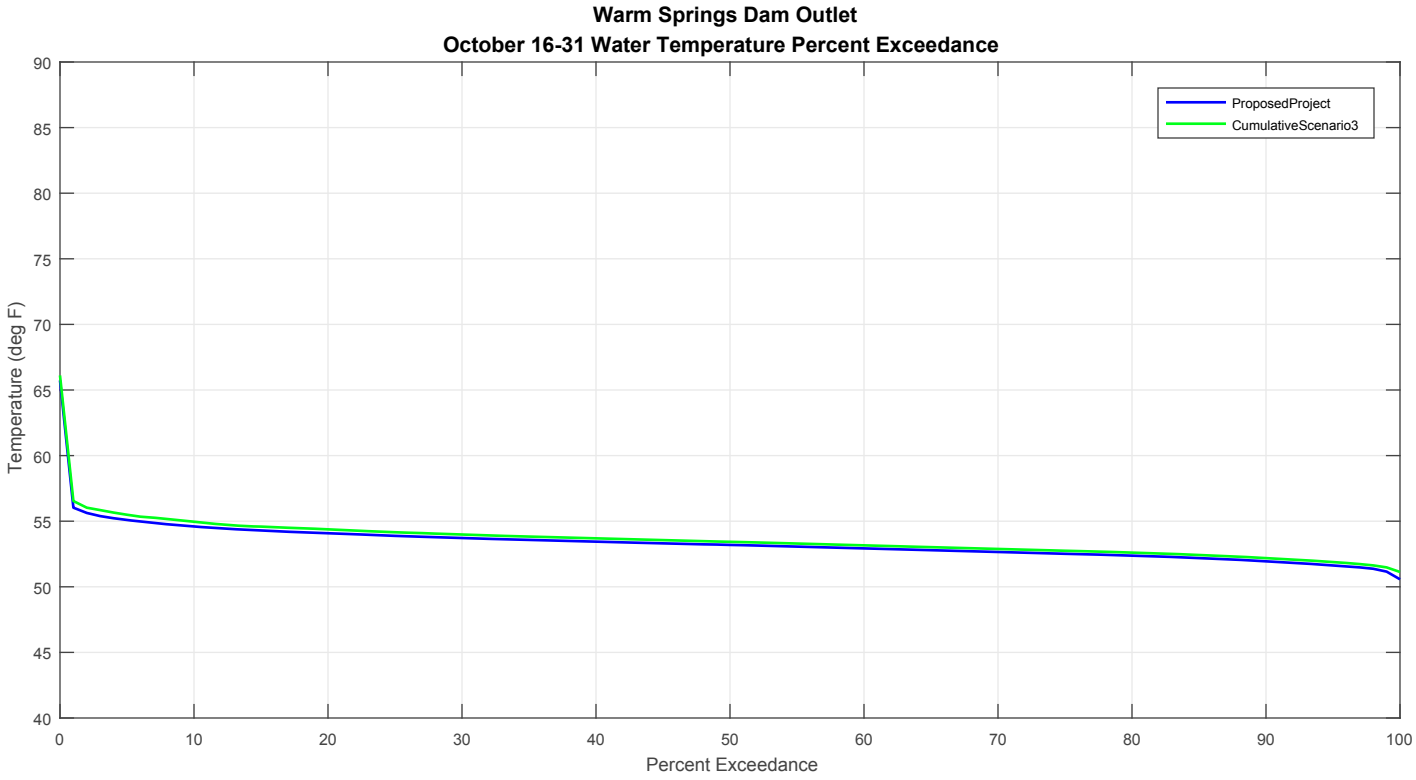
Warm Springs Dam Outlet
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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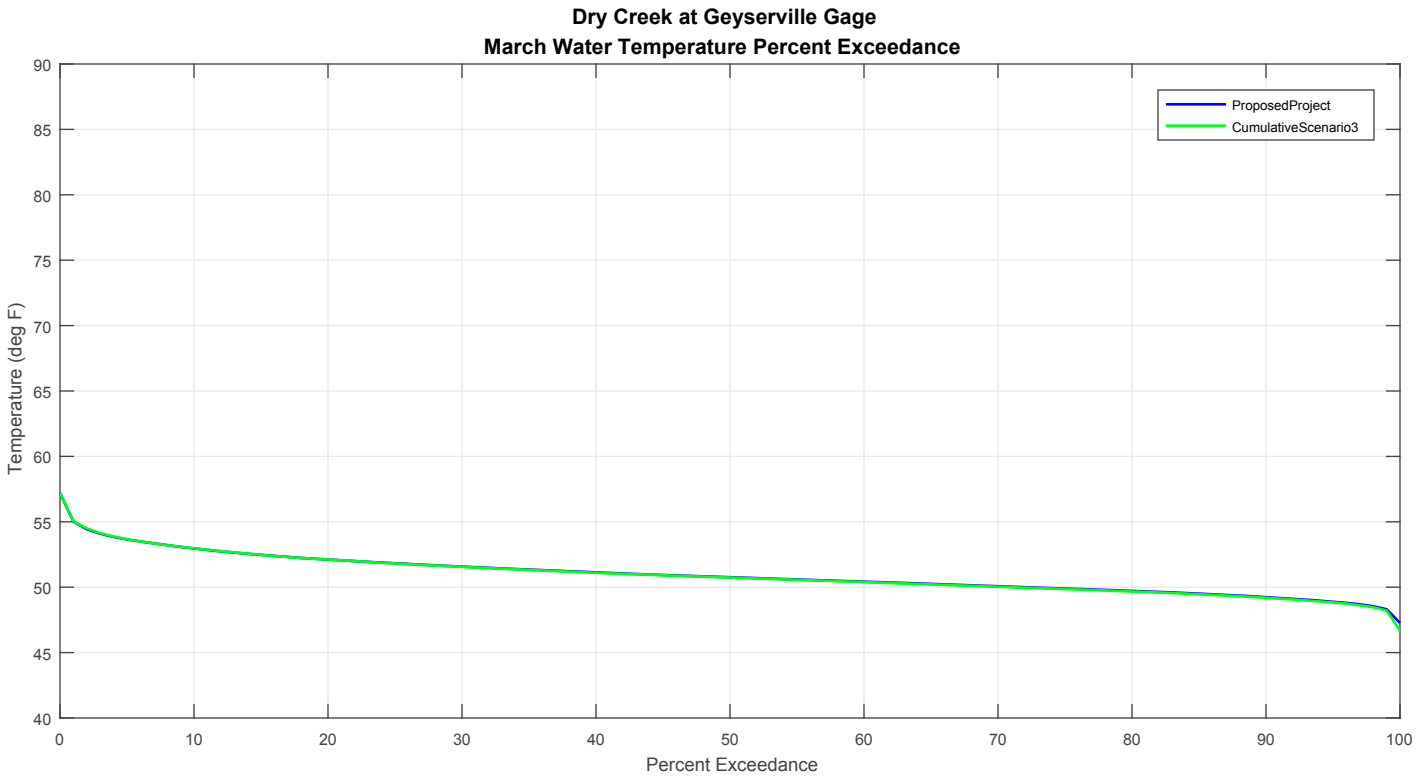
Dry Creek at Geyserville Gage
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
90
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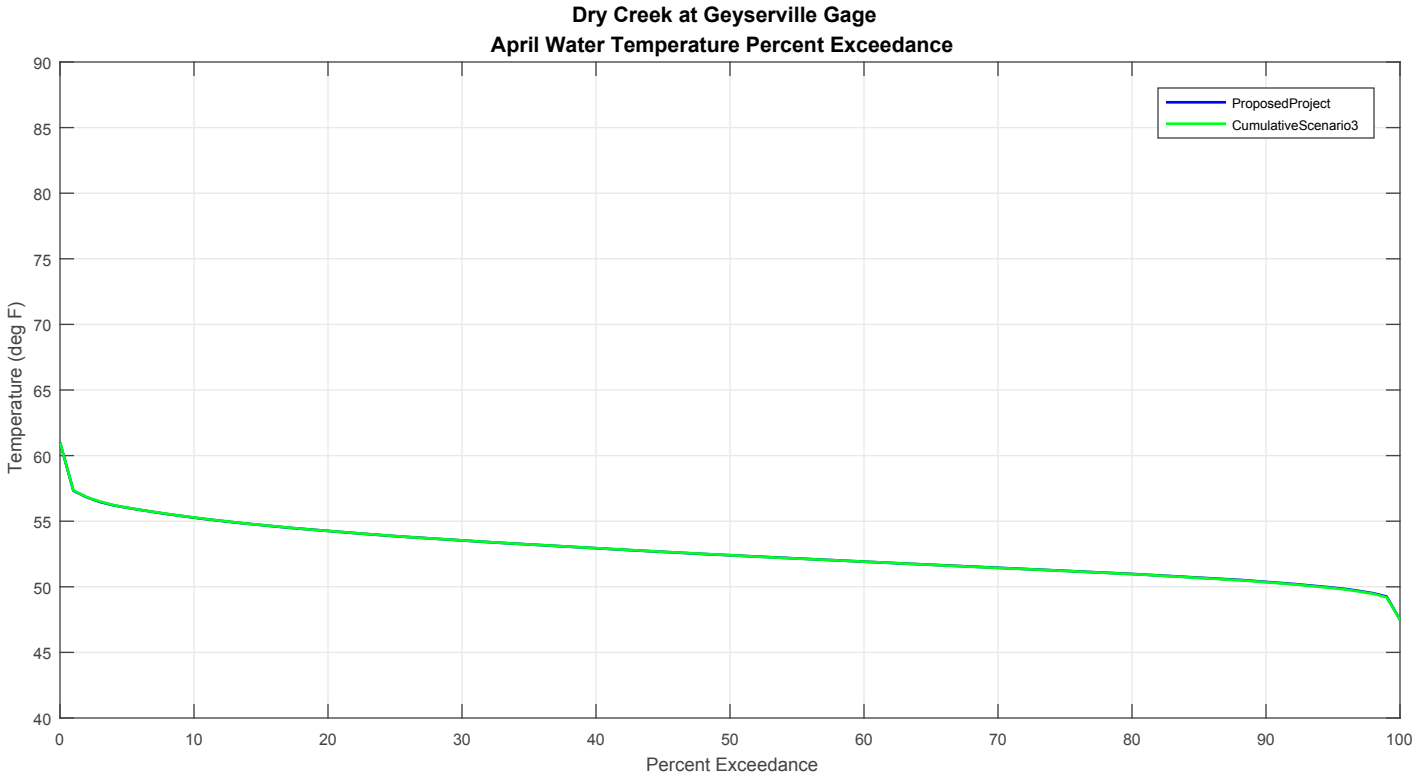
Dry Creek at Geyserville Gage
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
90
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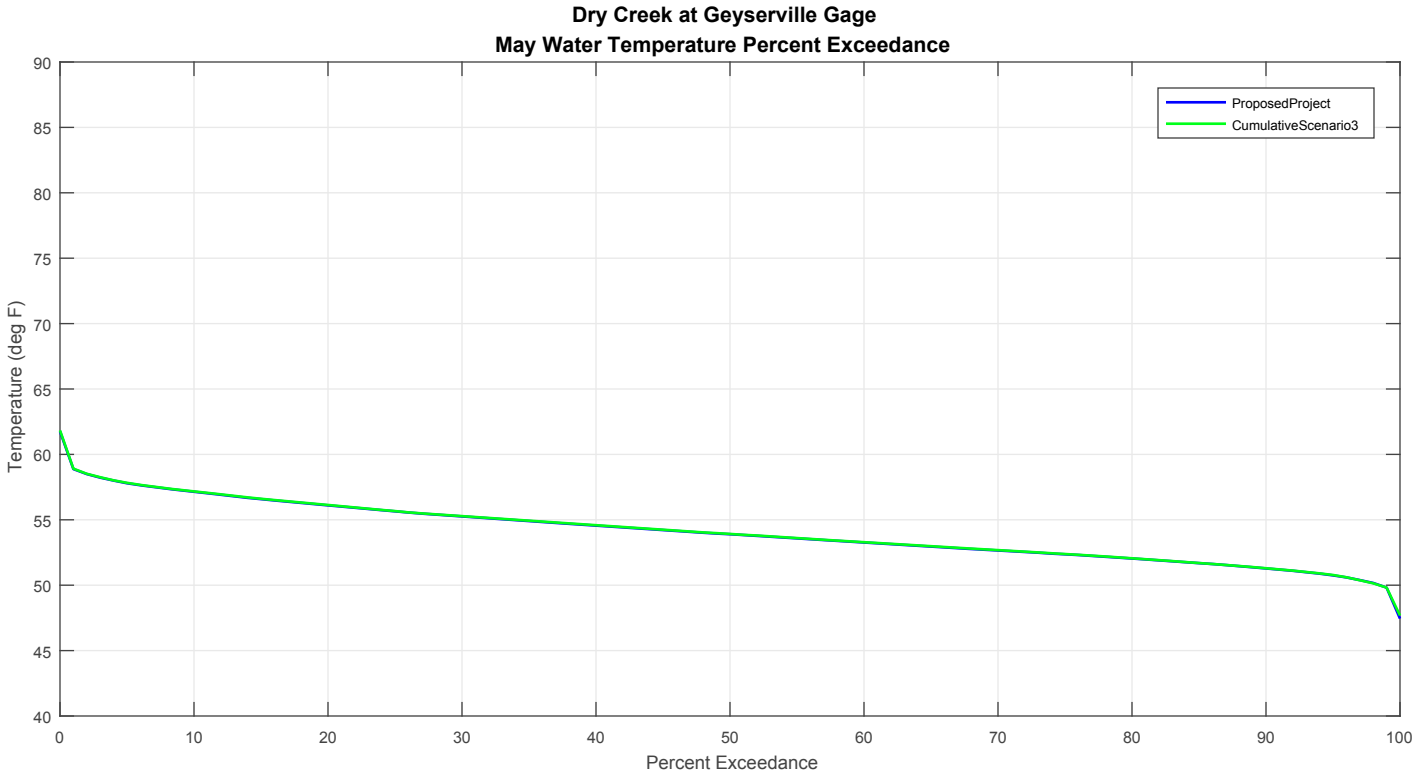
Dry Creek at Geyserville Gage
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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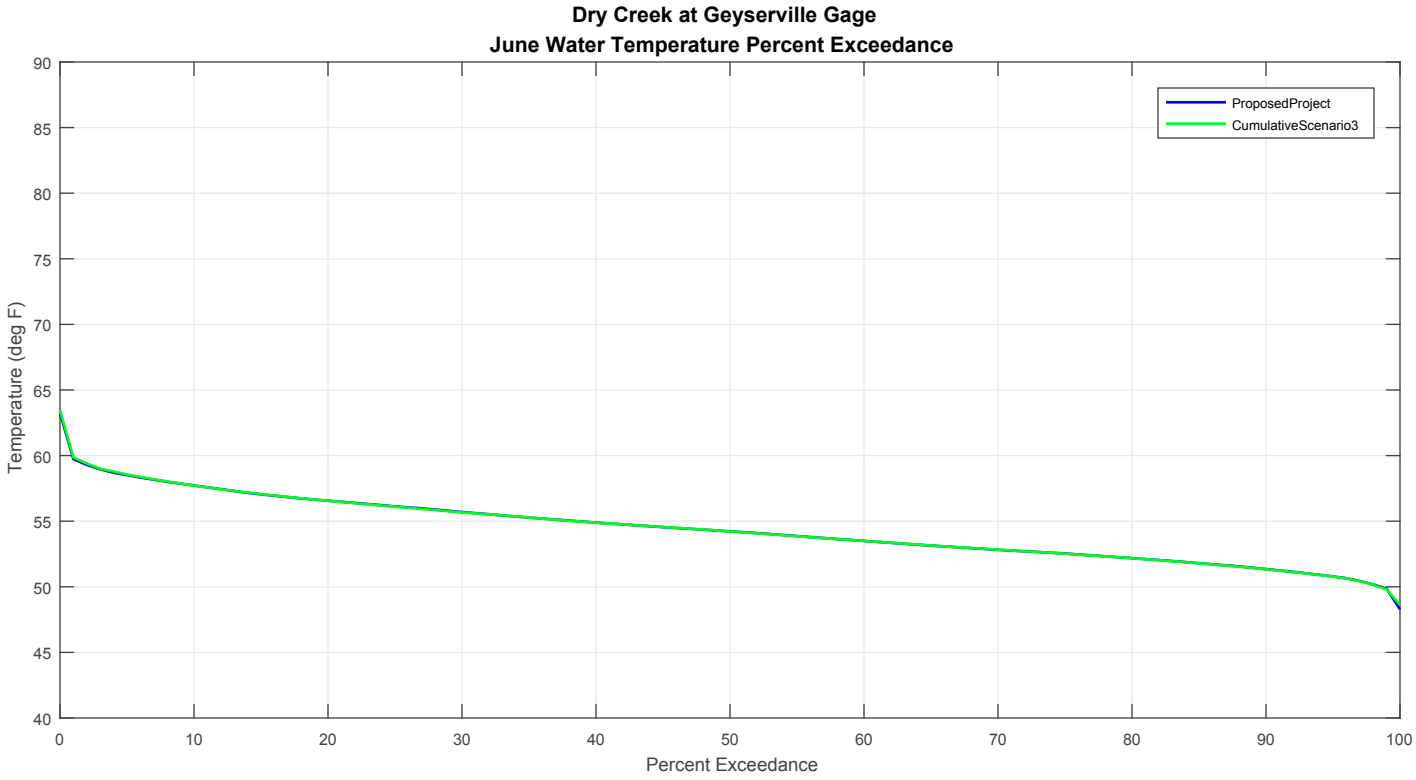
Dry Creek at Geyserville Gage
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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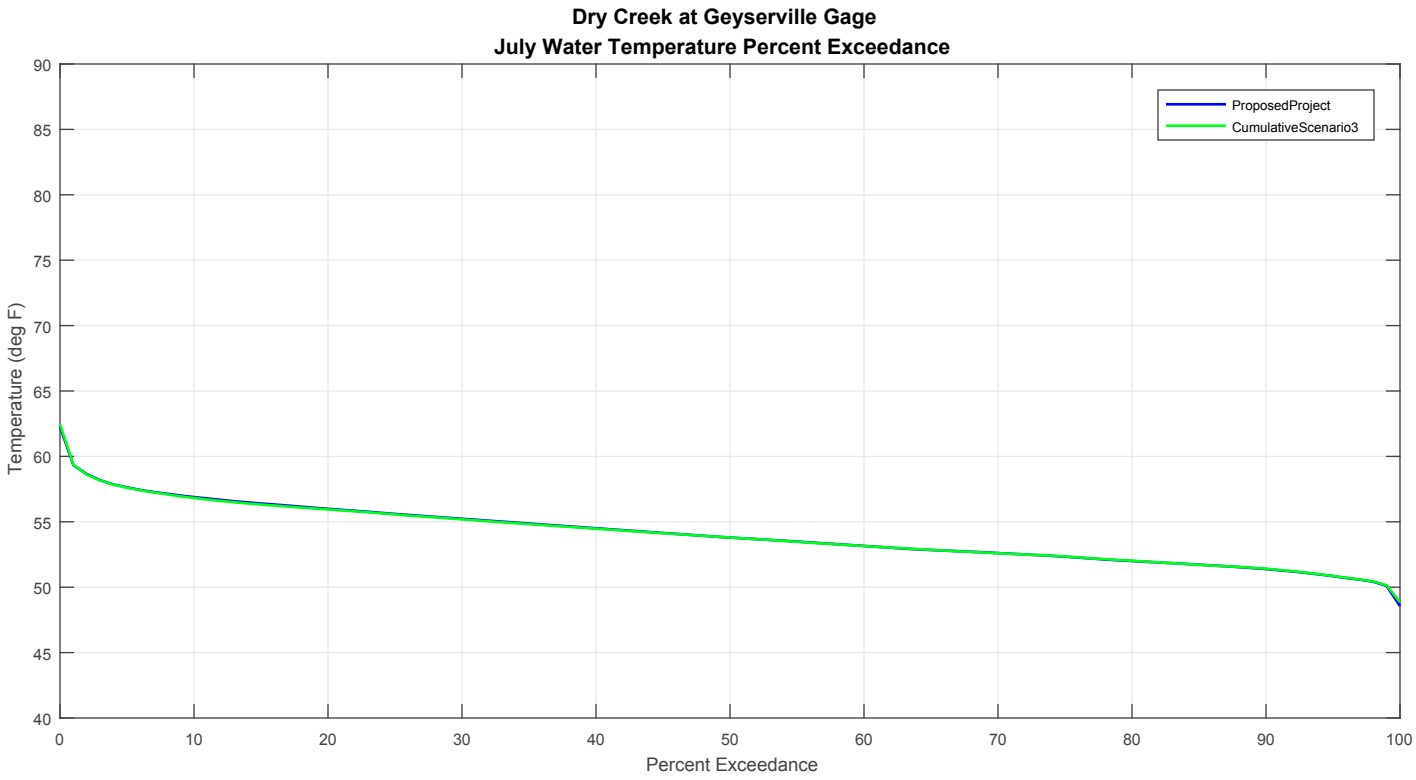
Dry Creek at Geyserville Gage
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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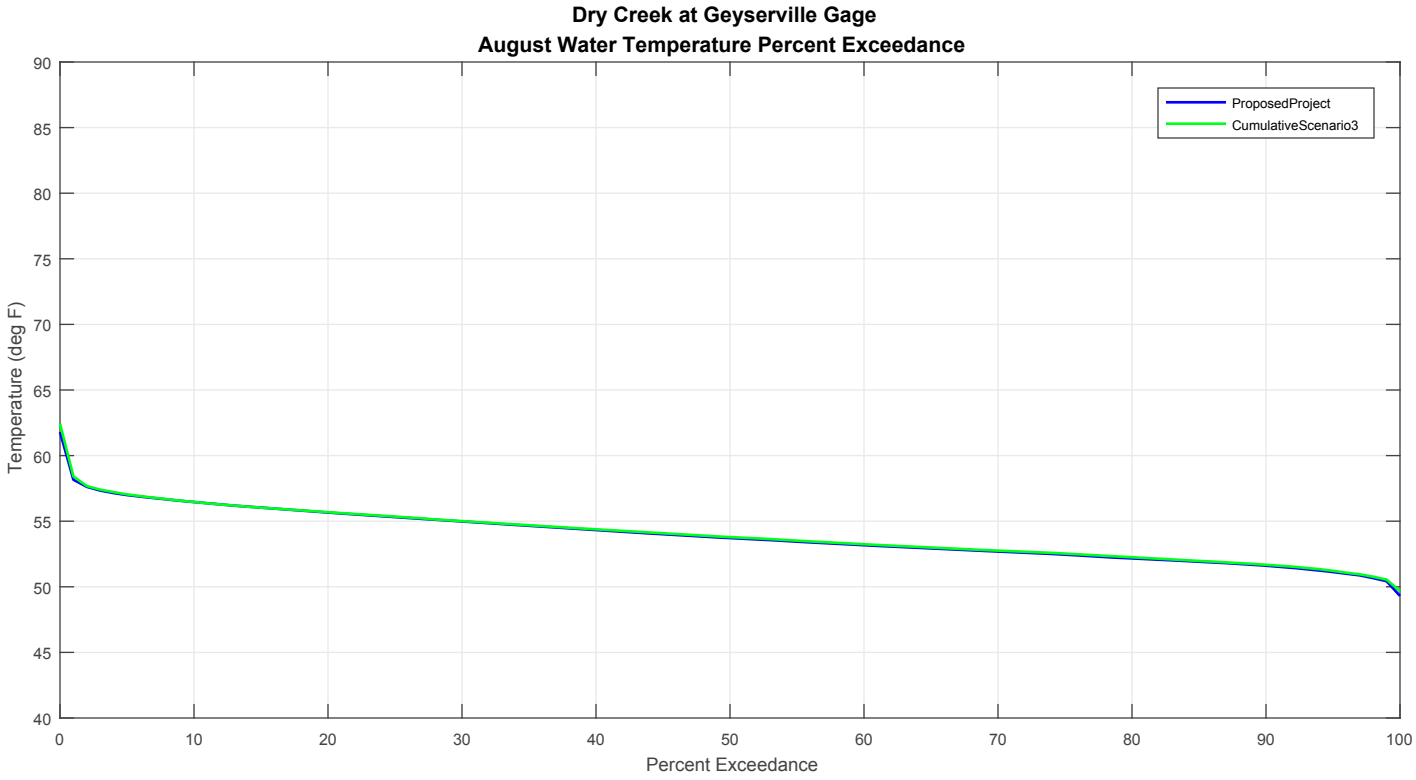
Dry Creek at Geyserville Gage
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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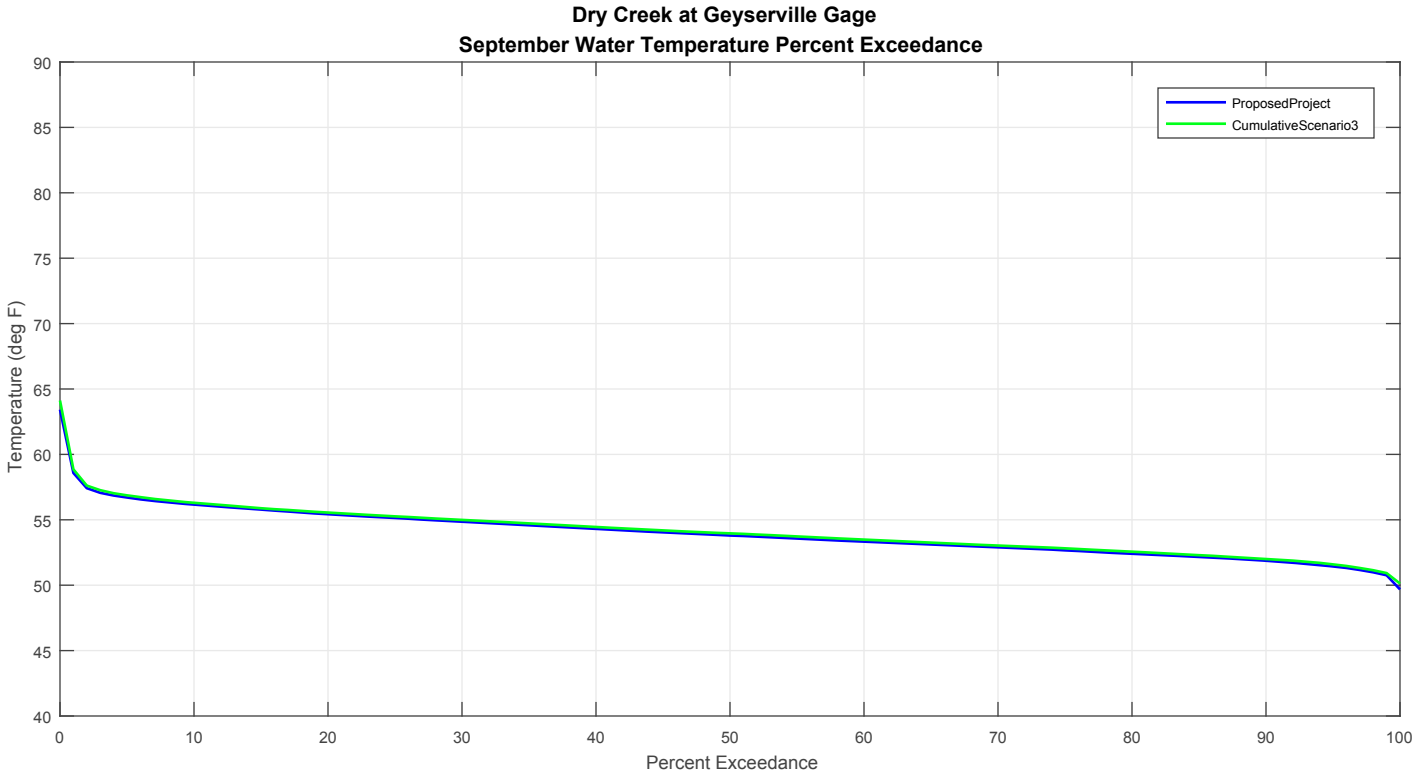
Dry Creek at Geyserville Gage
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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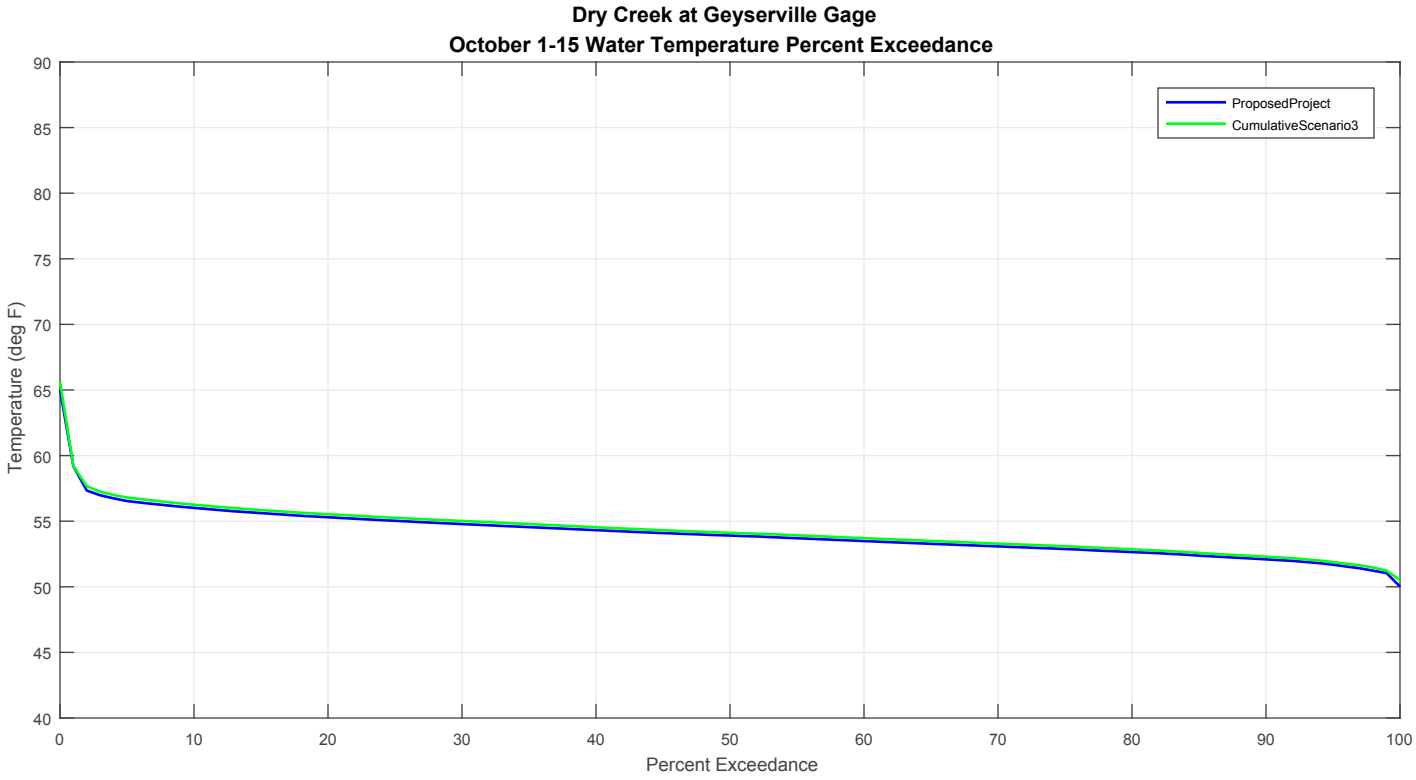
Dry Creek at Geyserville Gage
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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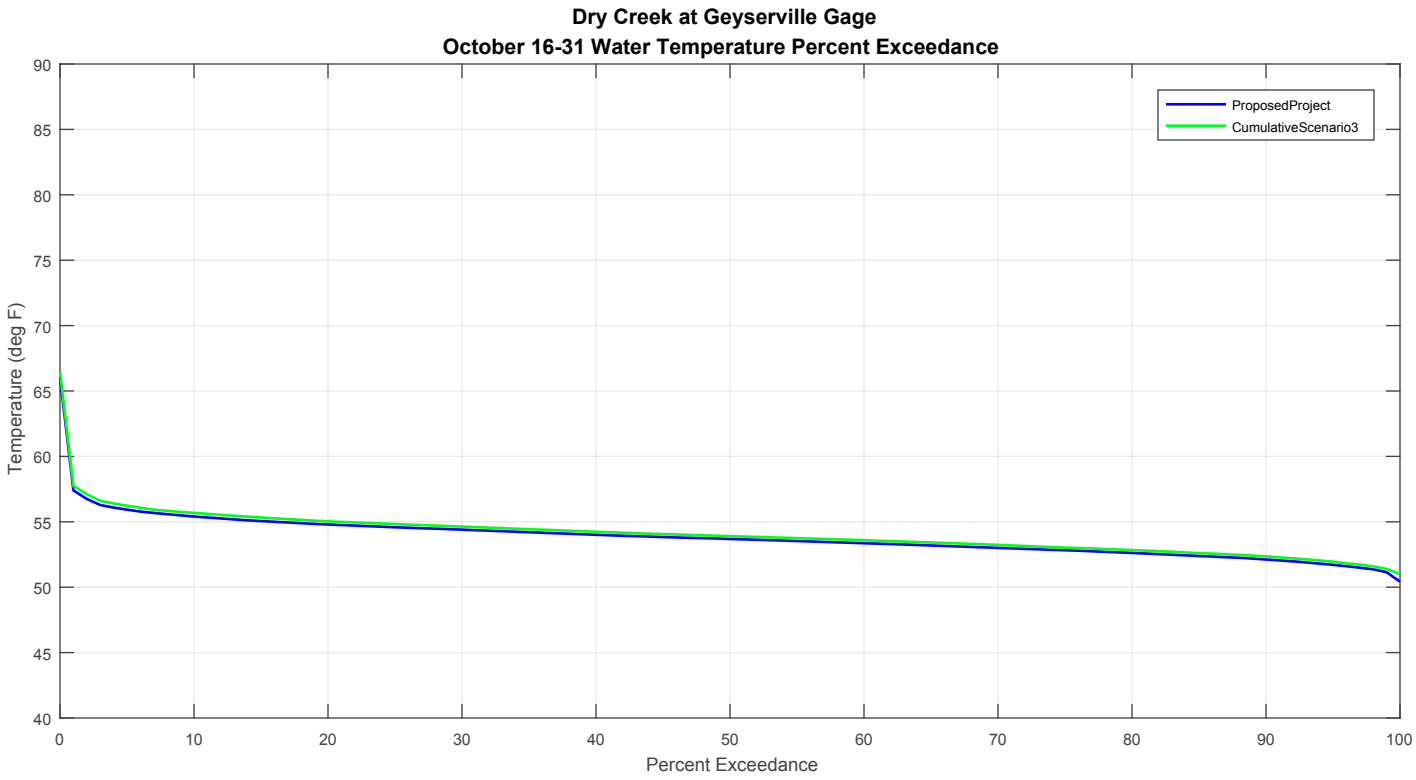
Dry Creek at Geyserville Gage
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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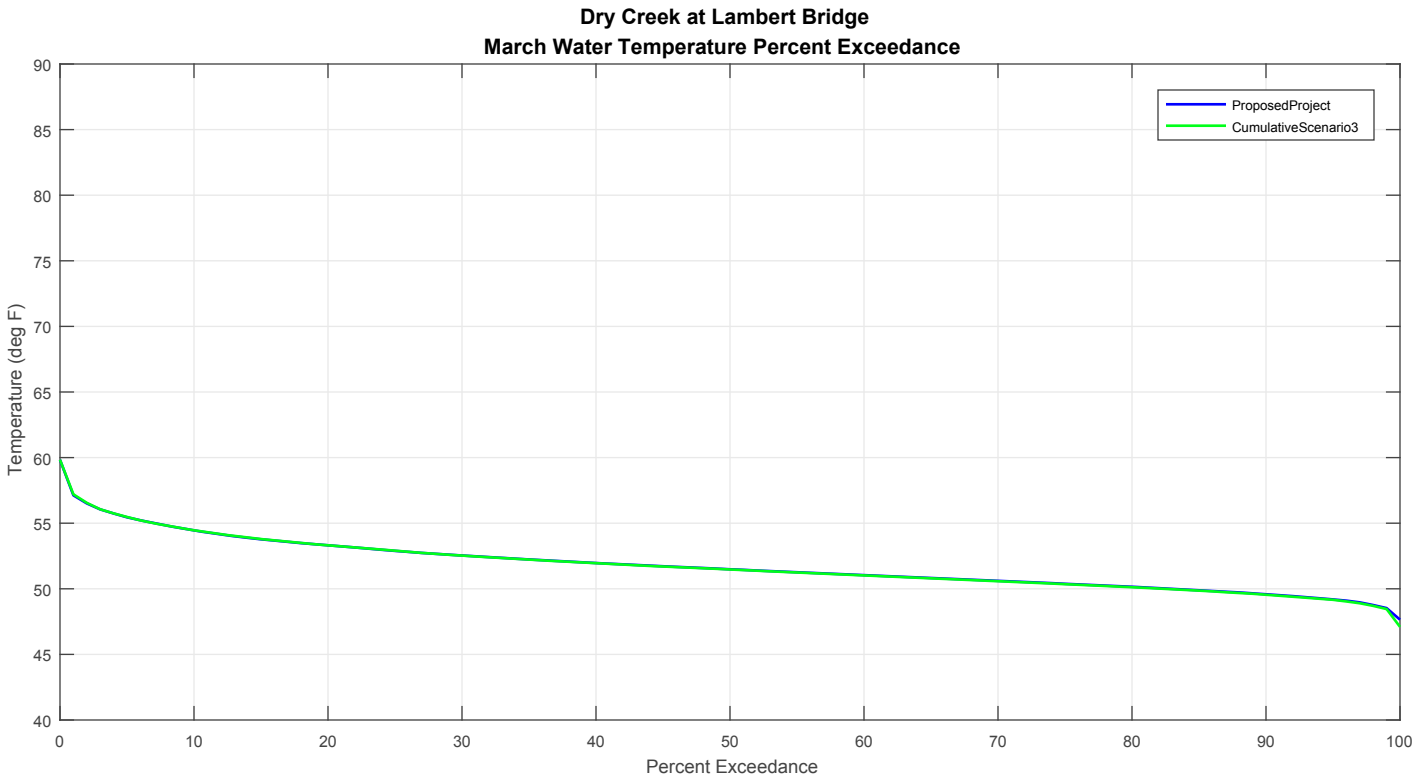
Dry Creek at Lambert Bridge
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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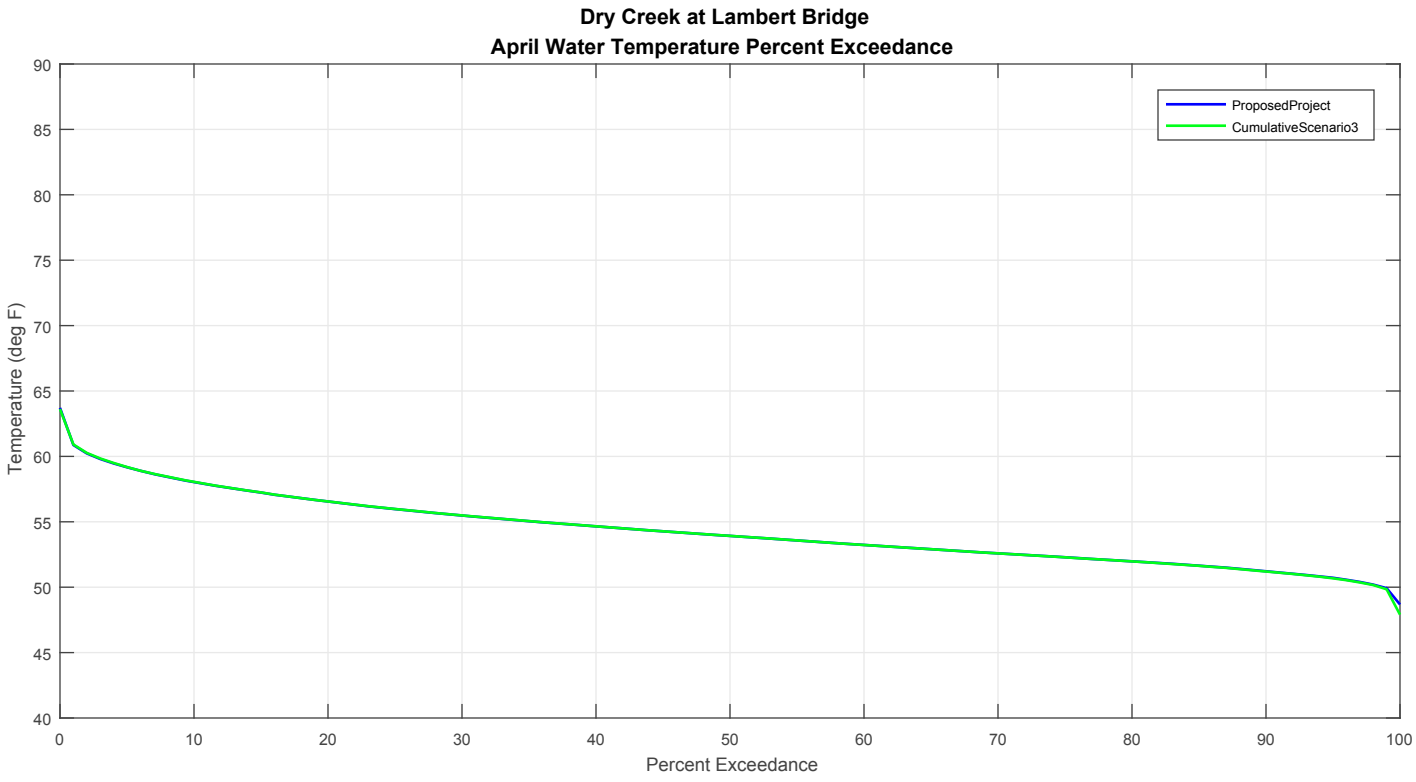
Dry Creek at Lambert Bridge
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
90
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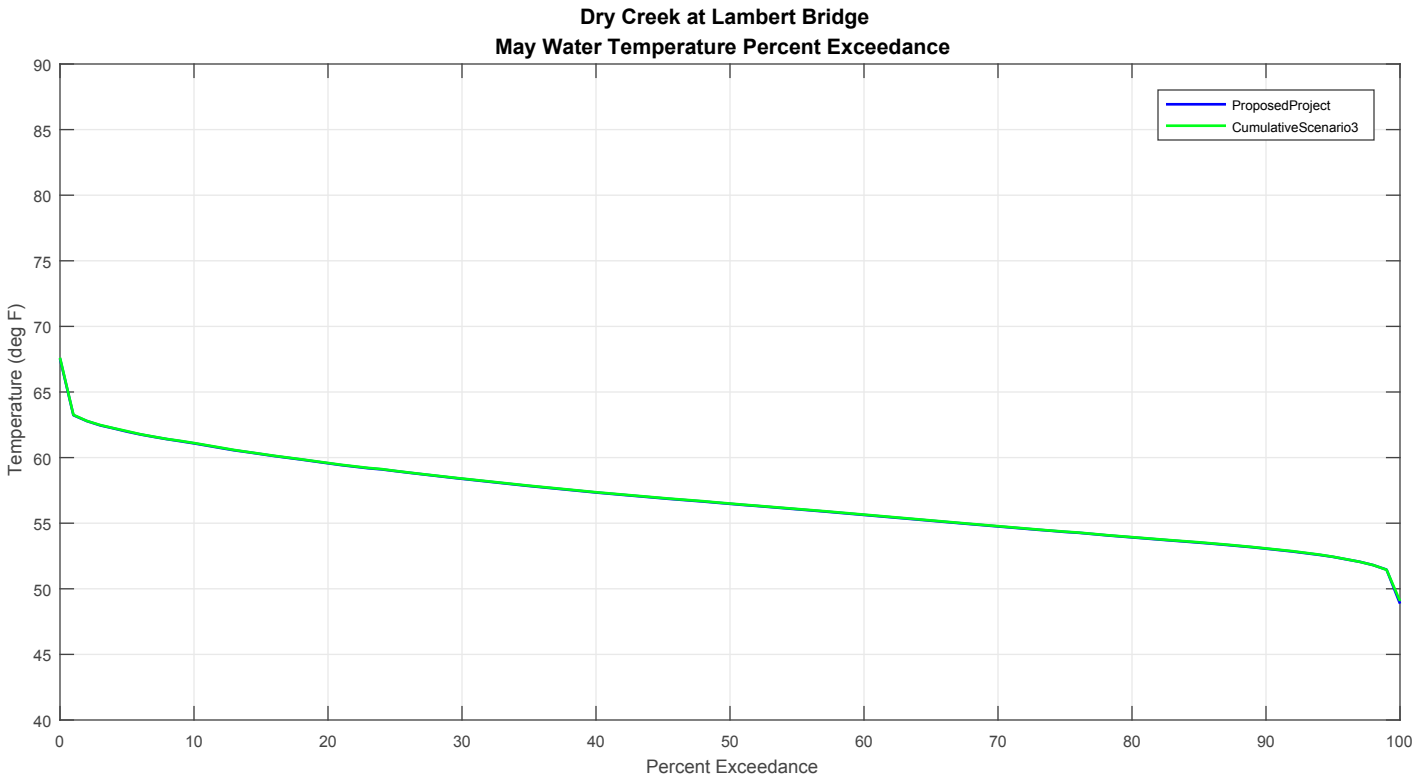
Dry Creek at Lambert Bridge
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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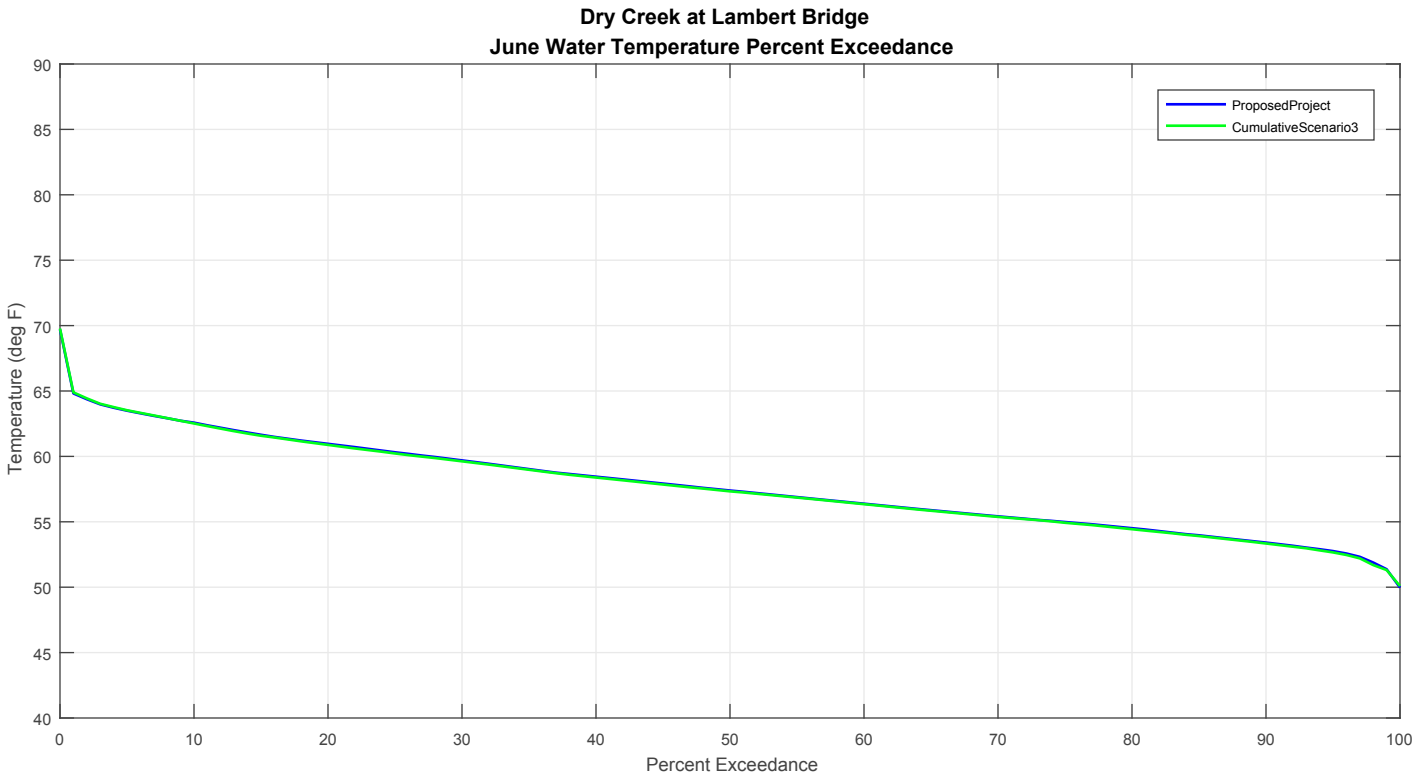
Dry Creek at Lambert Bridge
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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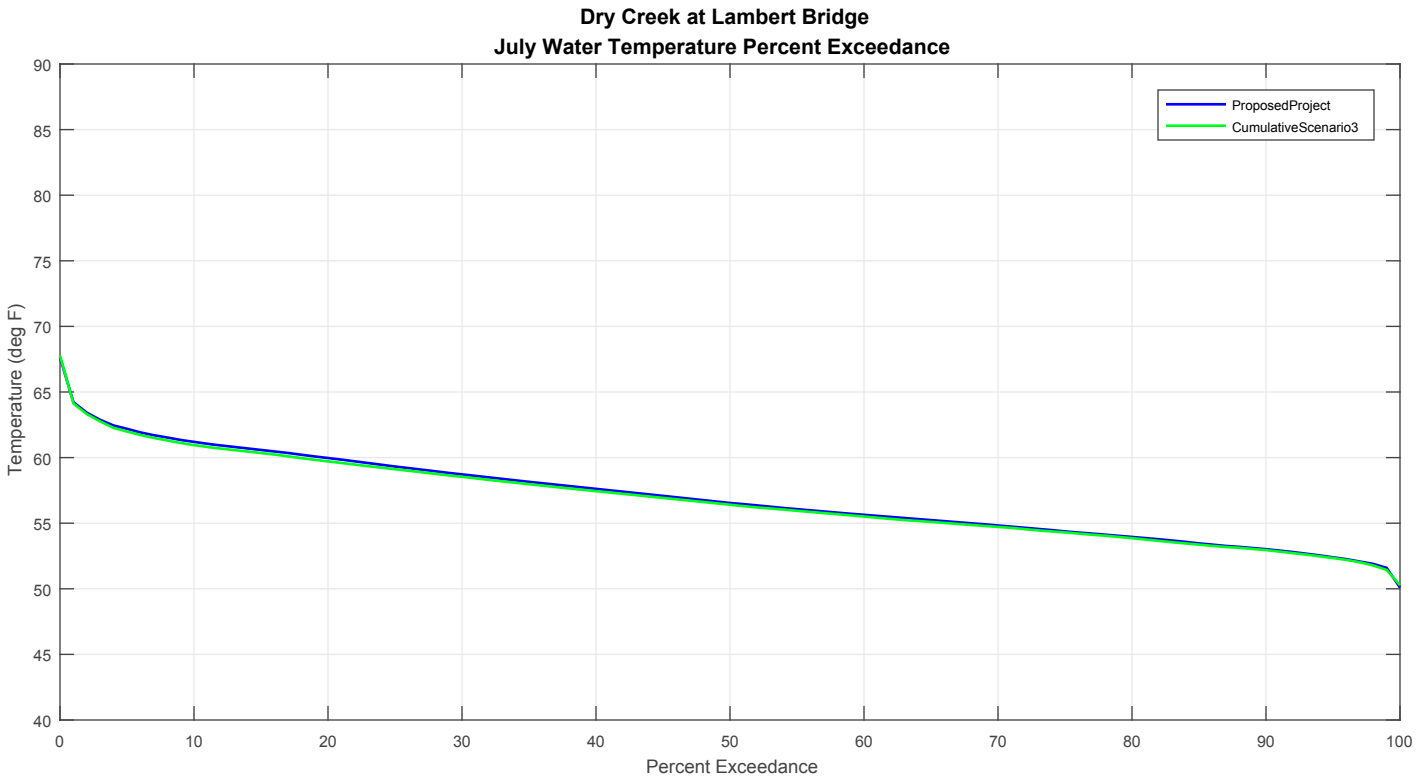
Dry Creek at Lambert Bridge
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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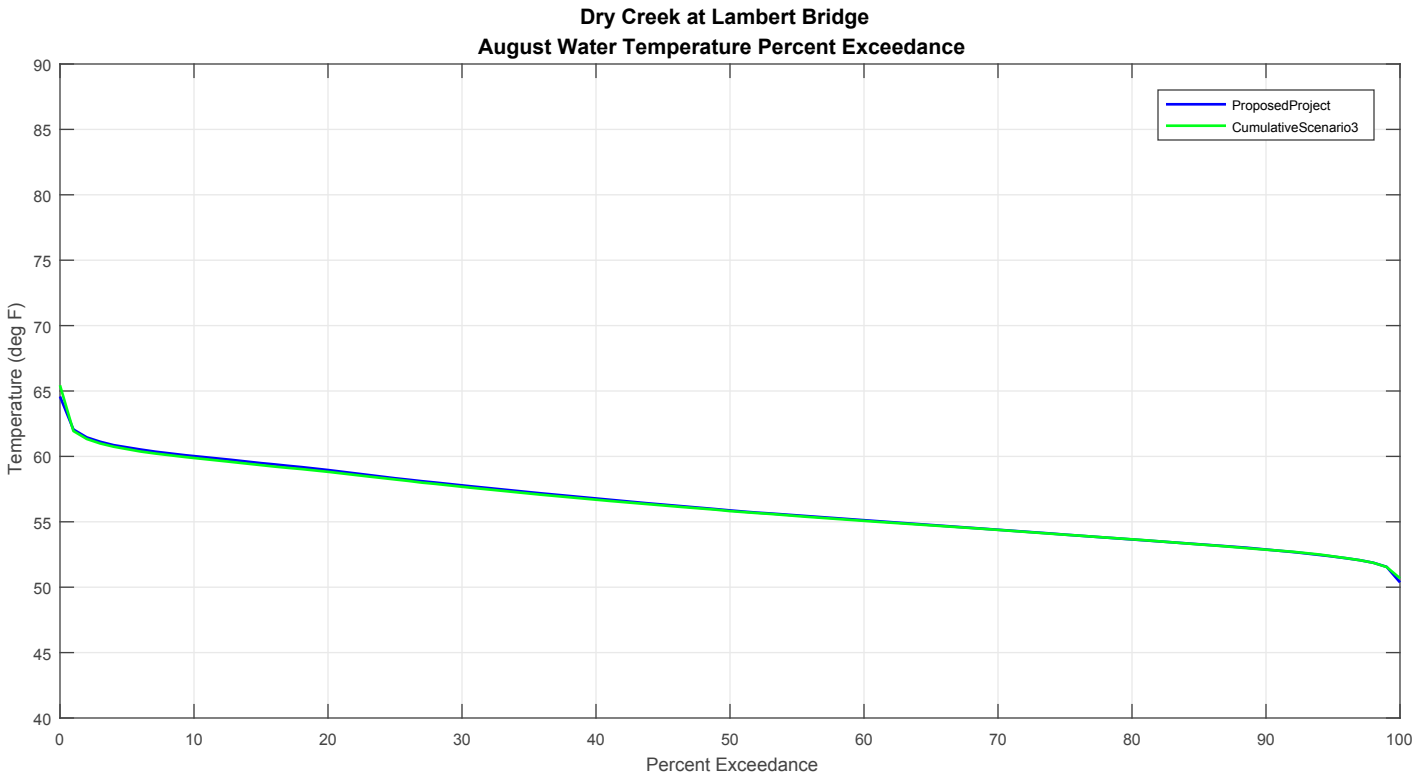
Dry Creek at Lambert Bridge
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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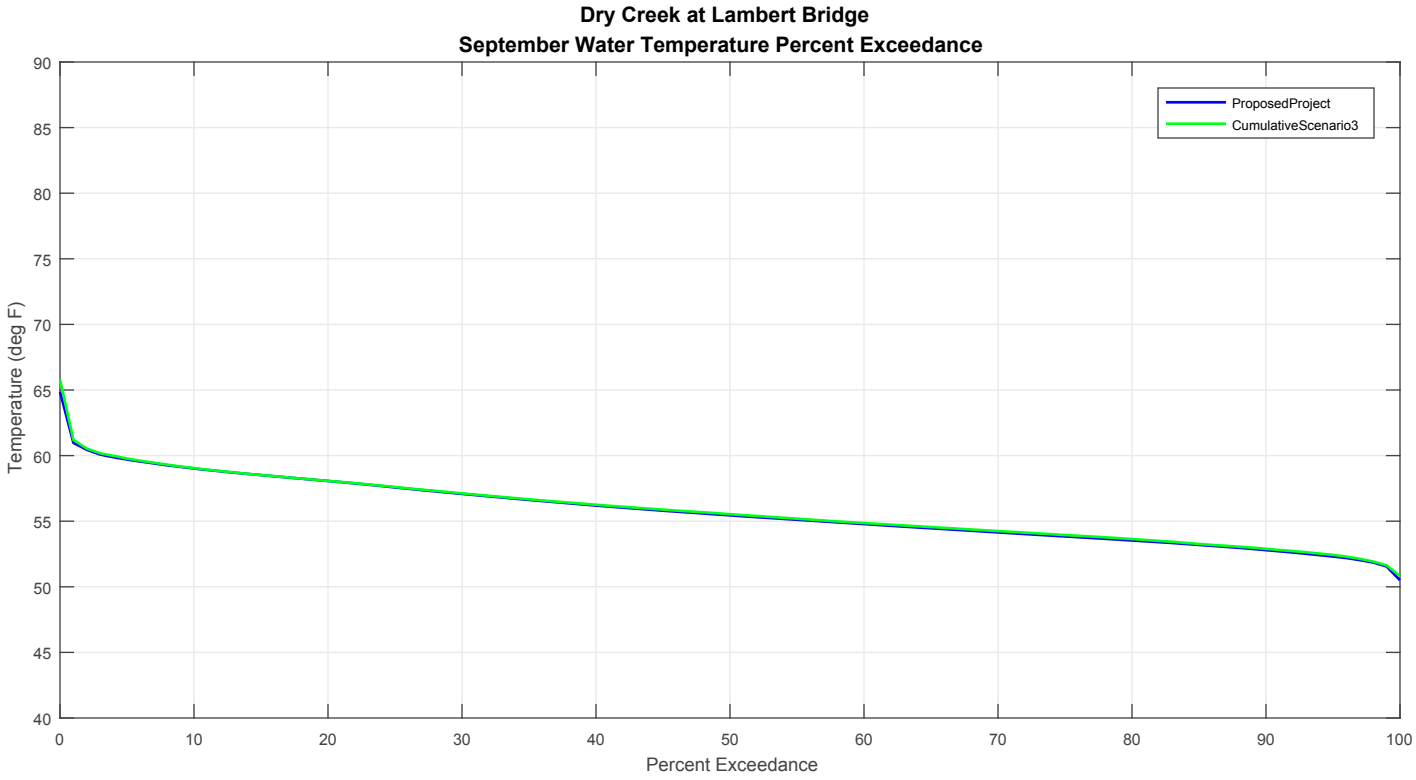
Dry Creek at Lambert Bridge
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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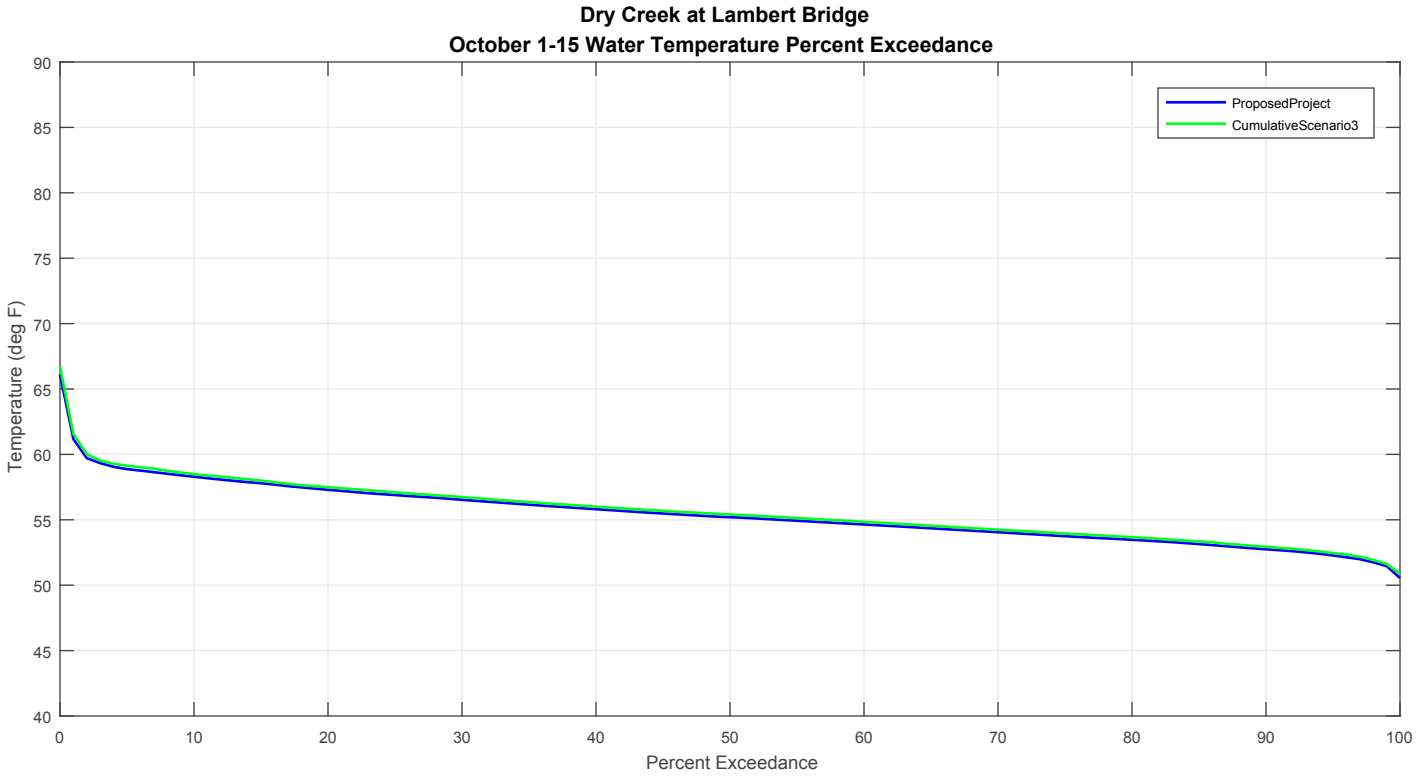
Dry Creek at Lambert Bridge
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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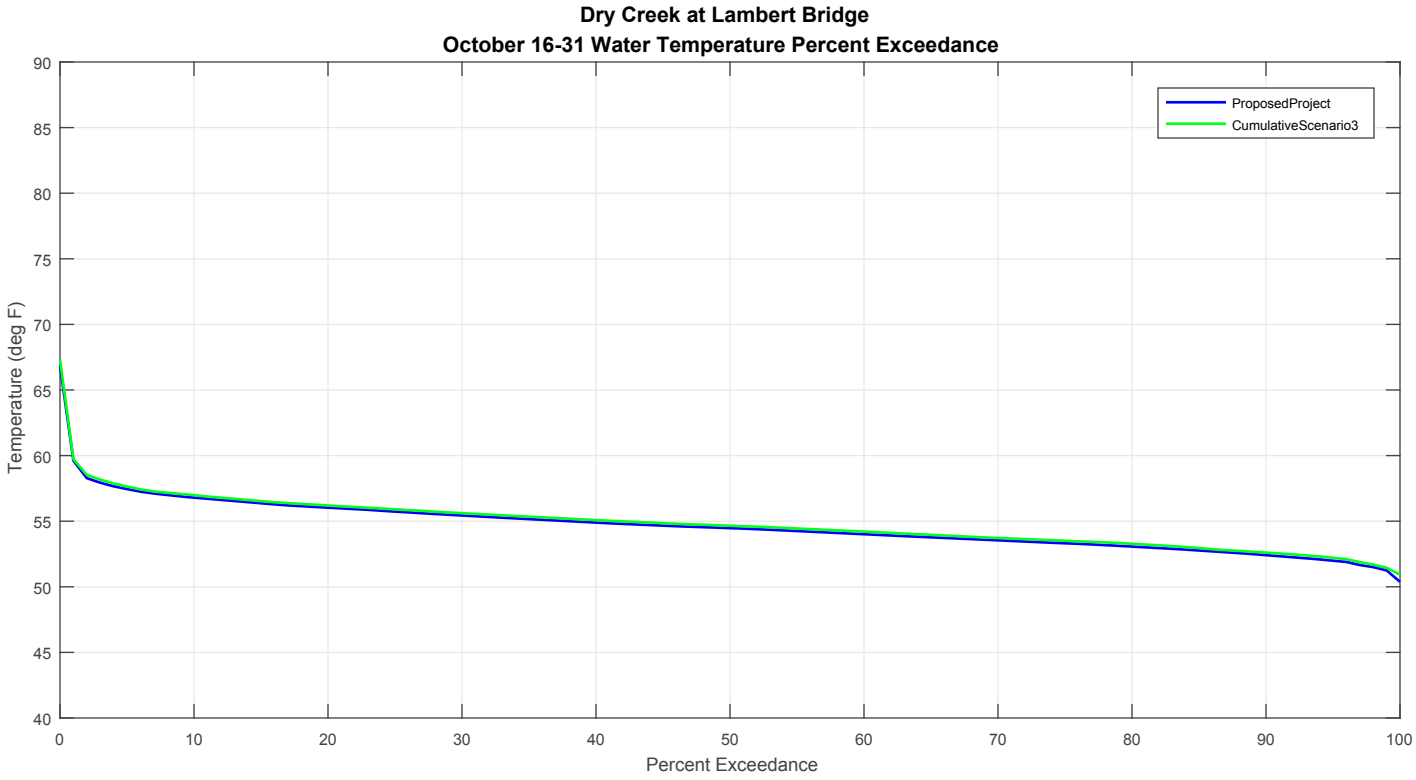
Dry Creek at Lambert Bridge
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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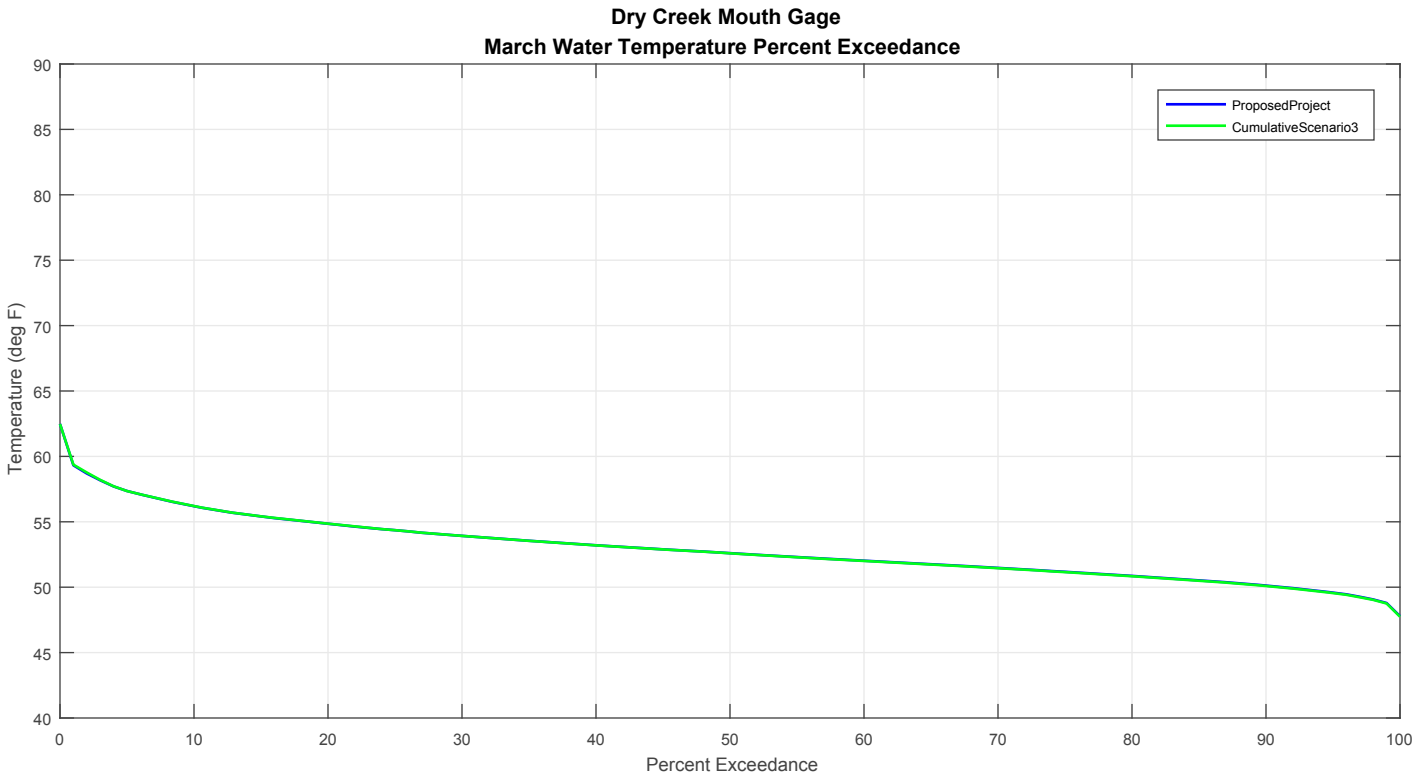
Dry Creek Mouth Gage
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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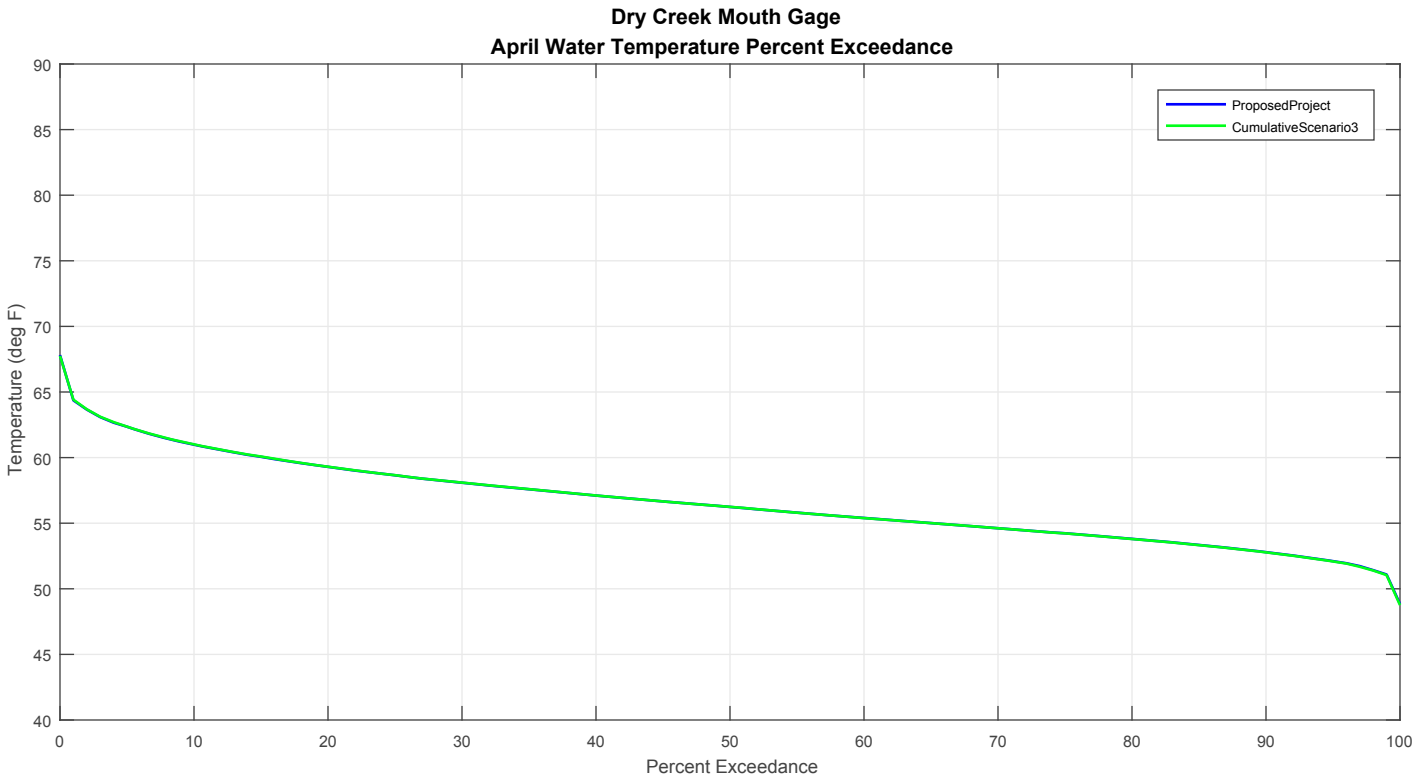
Dry Creek Mouth Gage
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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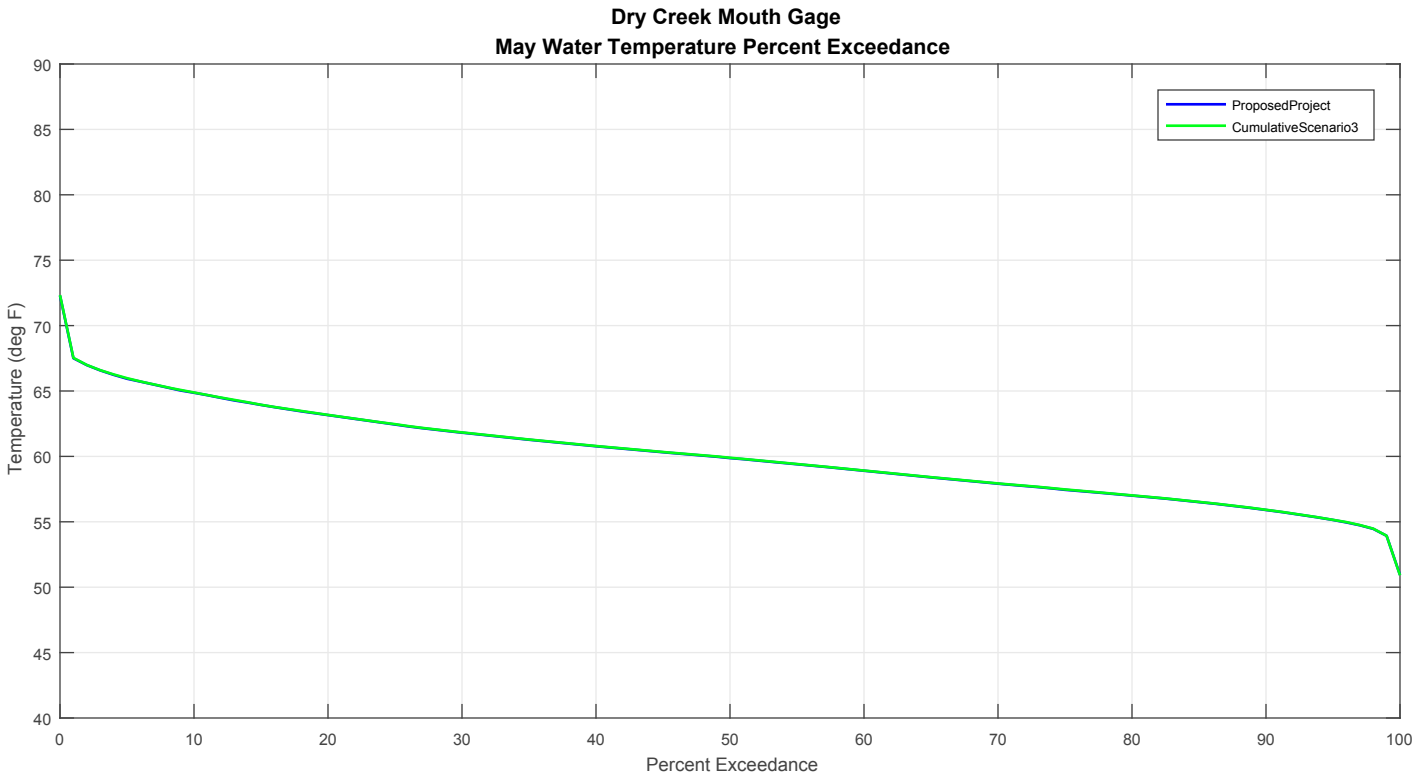
Dry Creek Mouth Gage
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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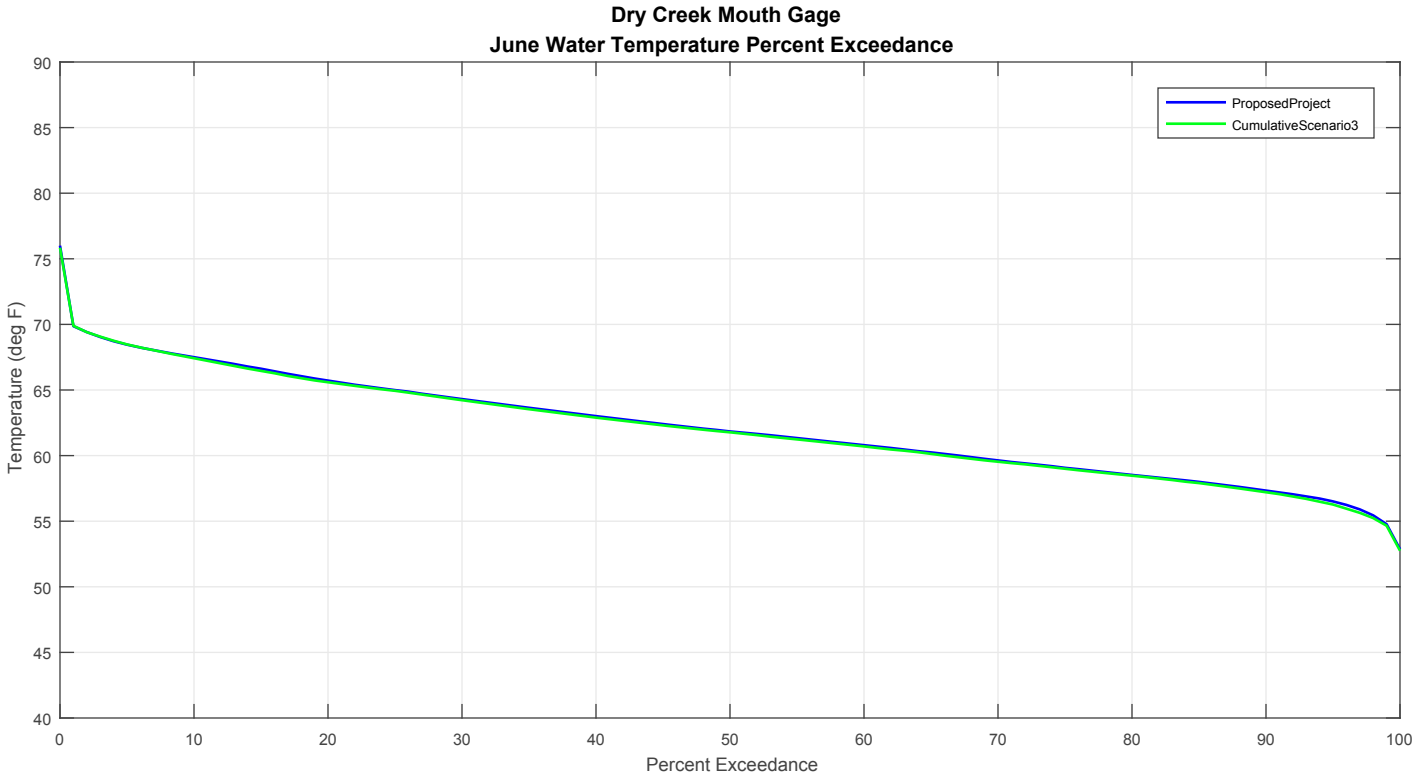
Dry Creek Mouth Gage
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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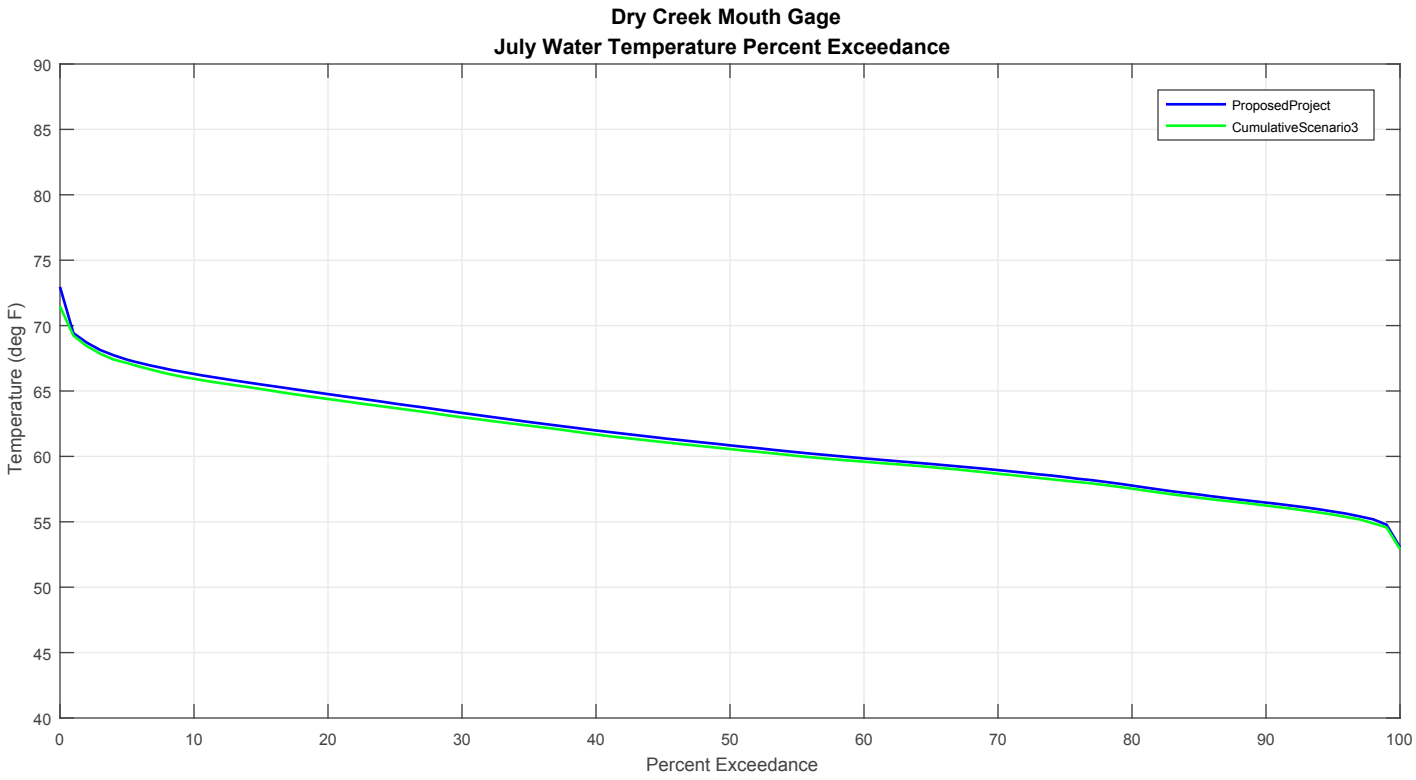
Dry Creek Mouth Gage
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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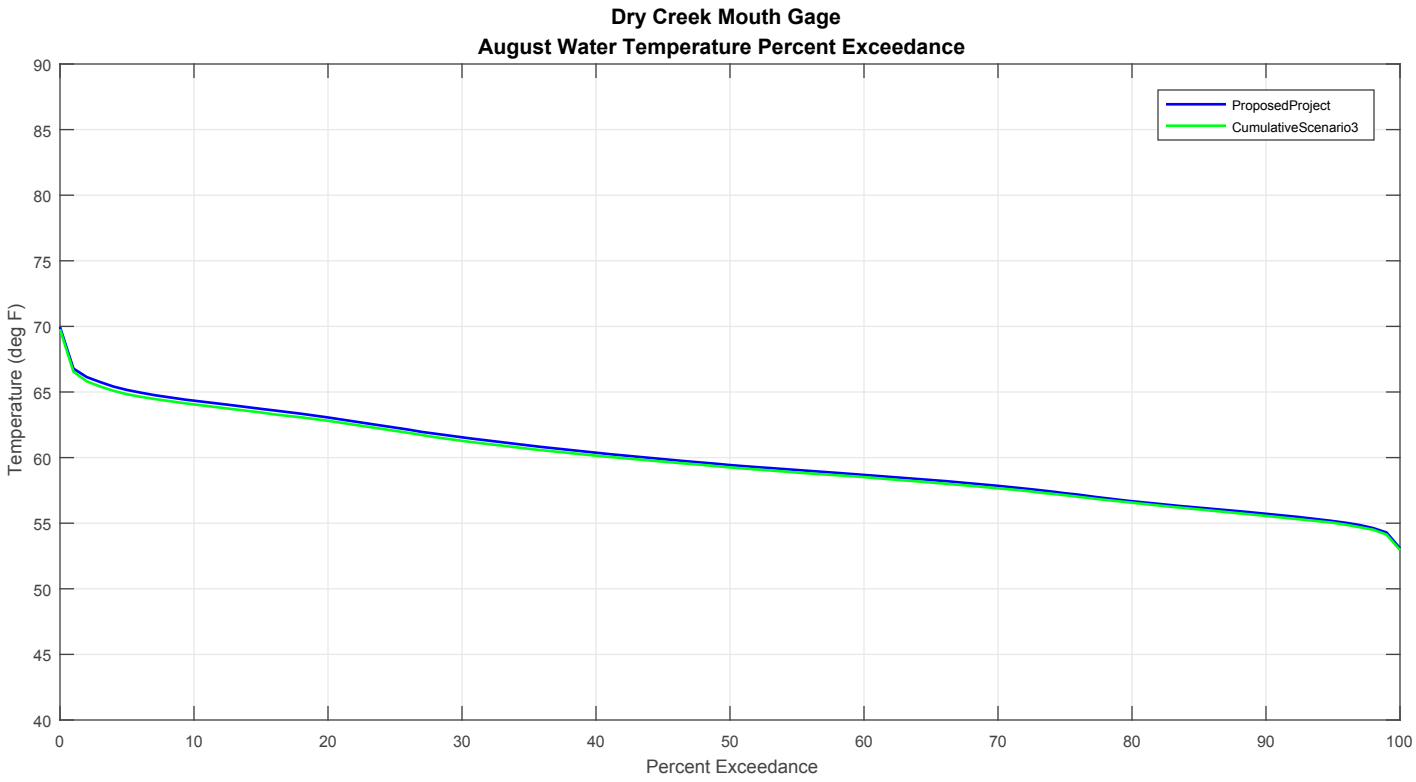
Dry Creek Mouth Gage
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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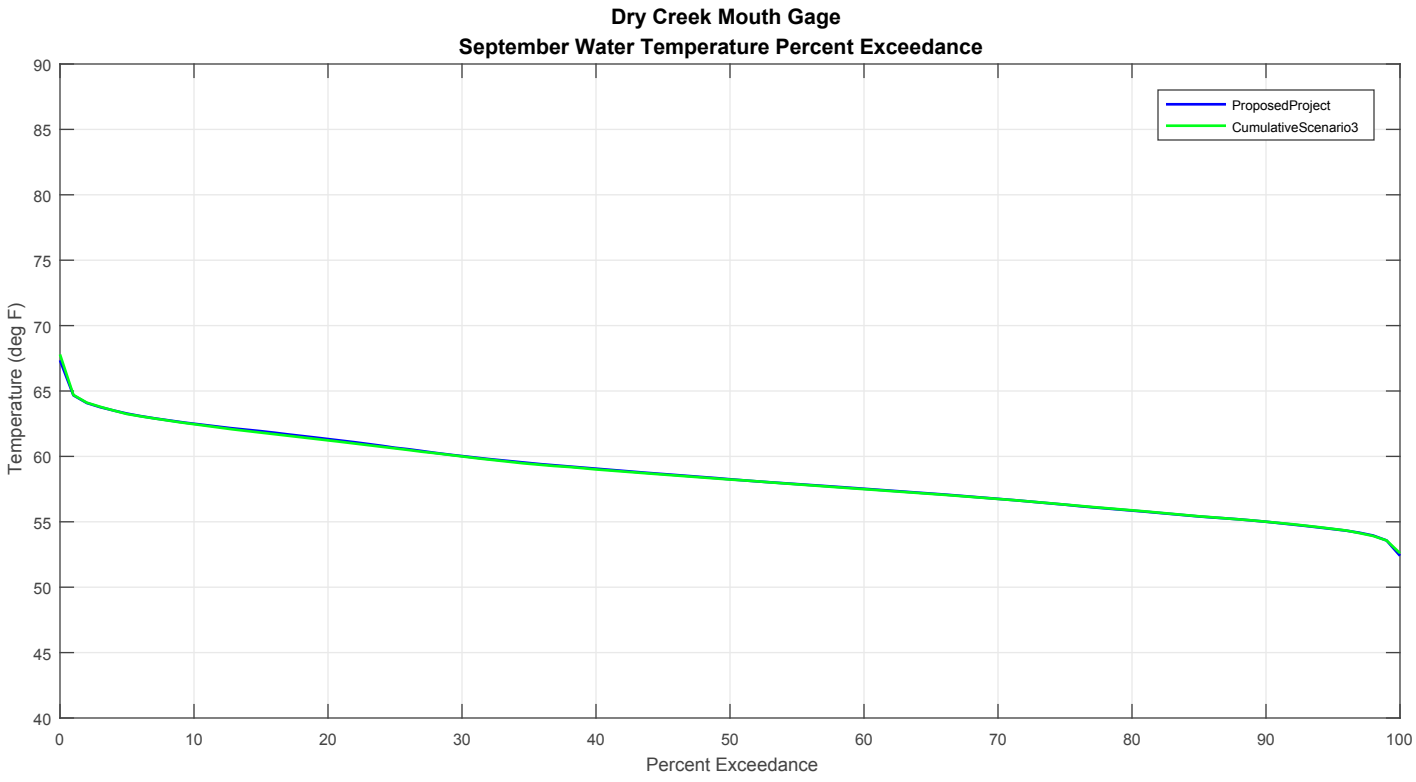
Dry Creek Mouth Gage
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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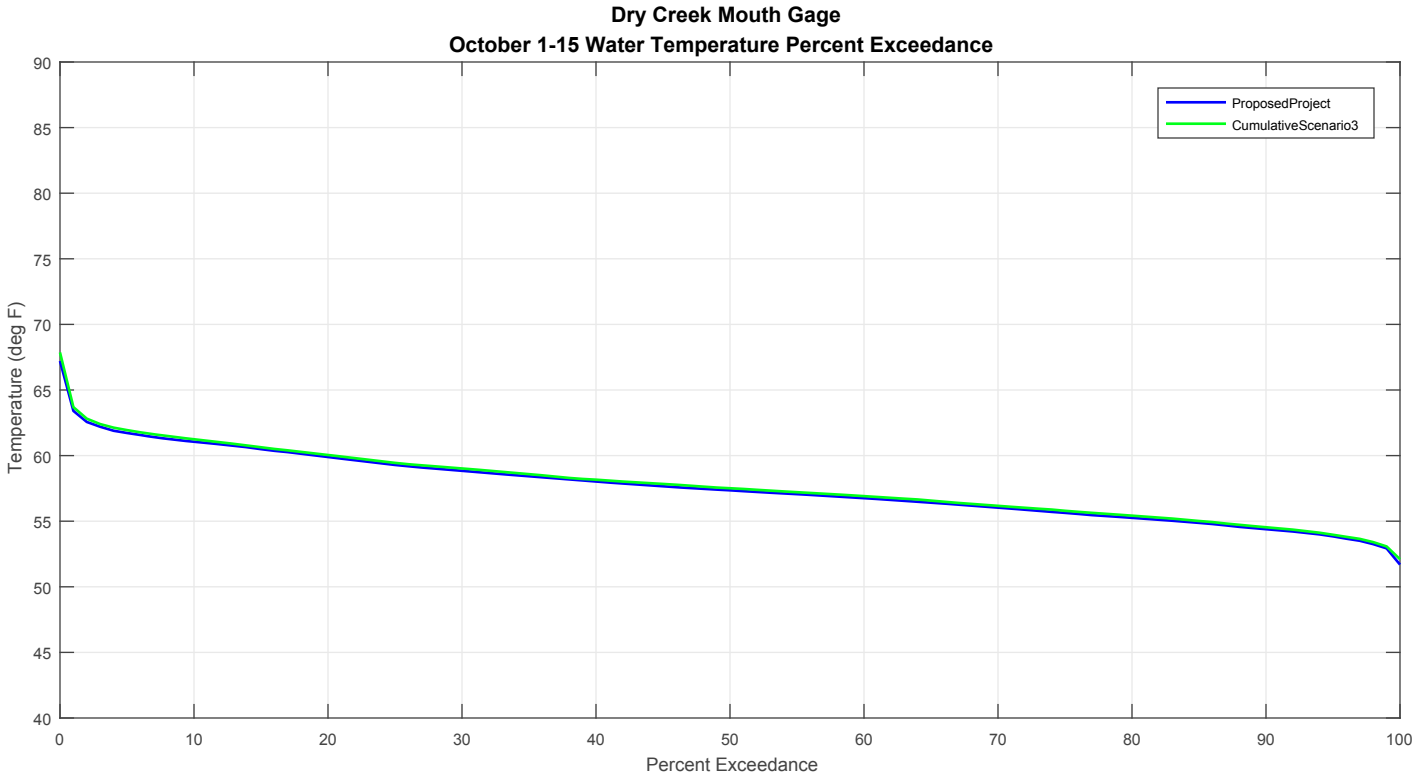
Dry Creek Mouth Gage
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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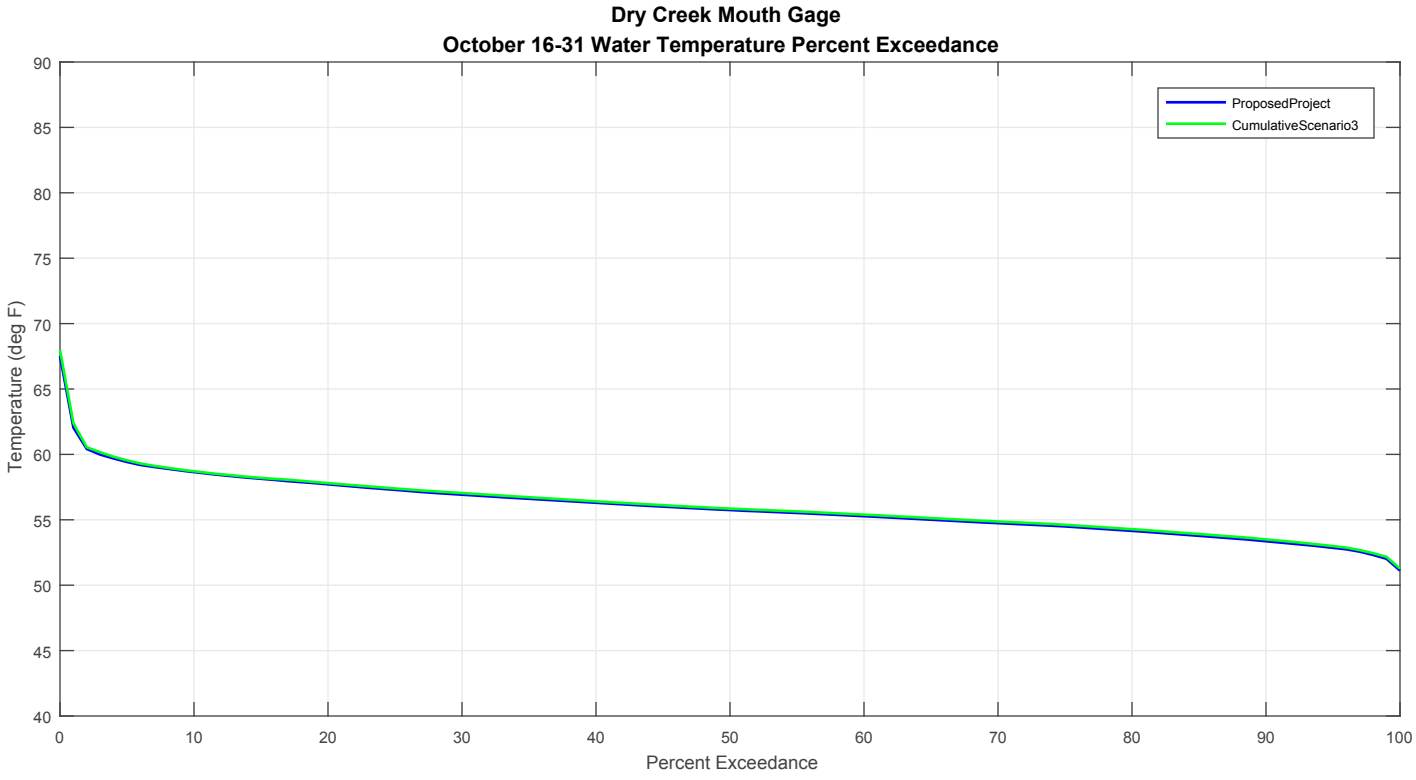
Dry Creek Mouth Gage
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario3
Temperature (deg F)
Percent Exceedance
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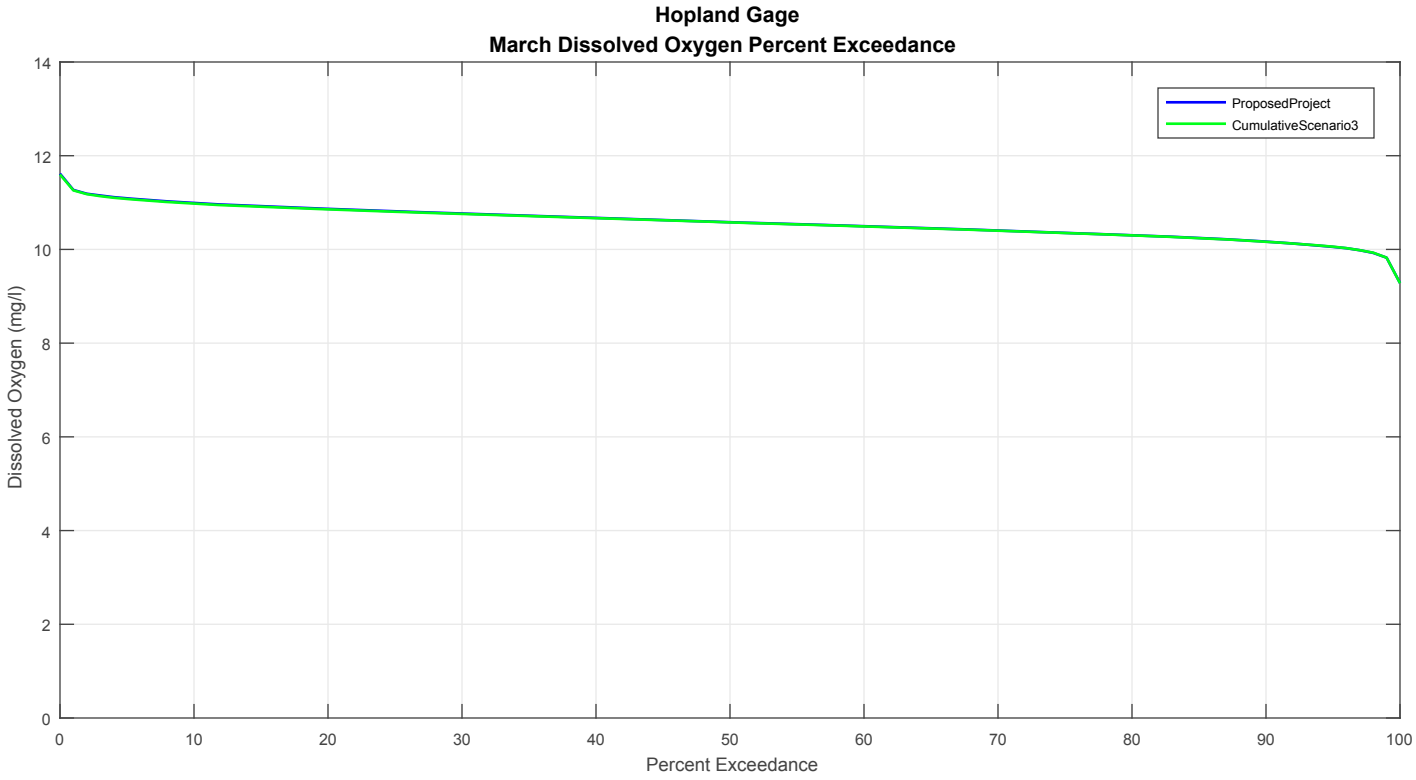
Hopland Gage
March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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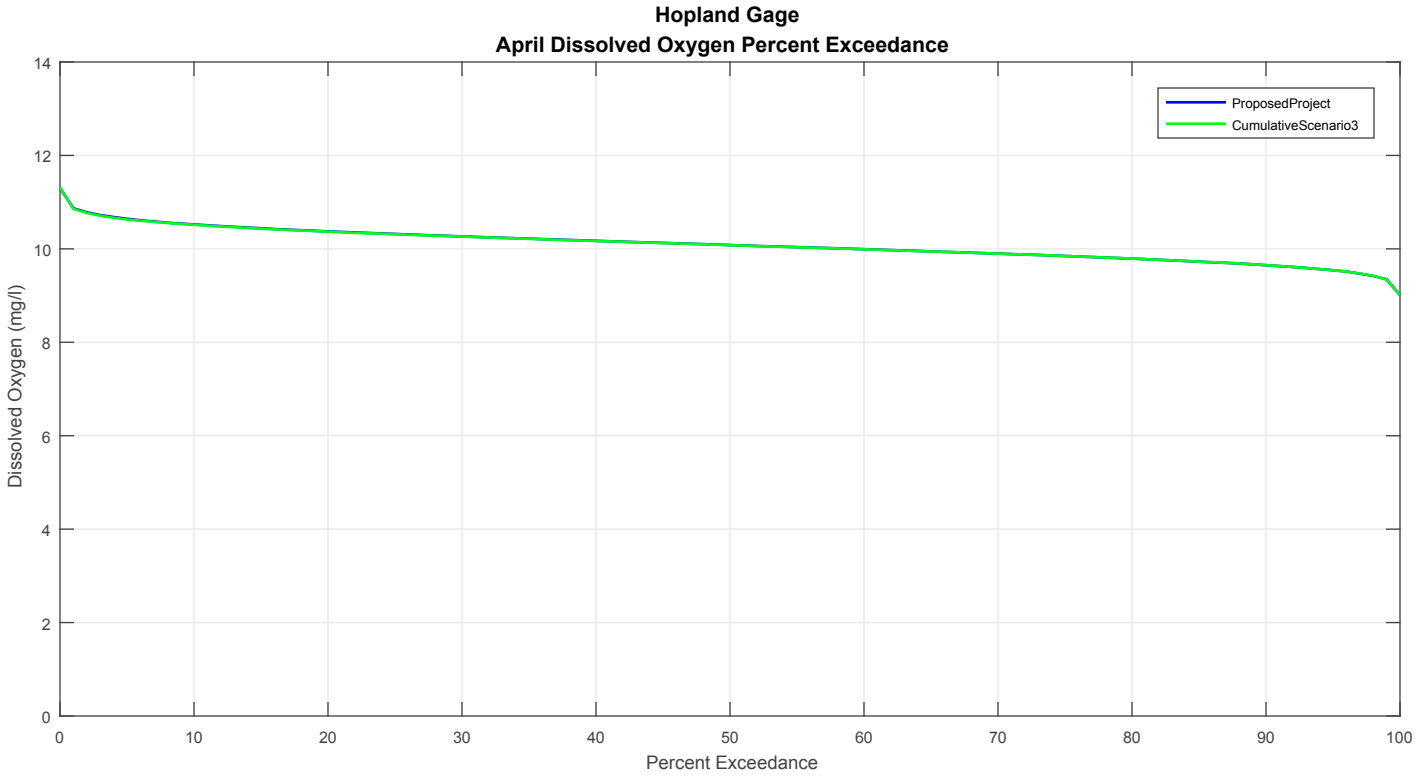
Hopland Gage
April Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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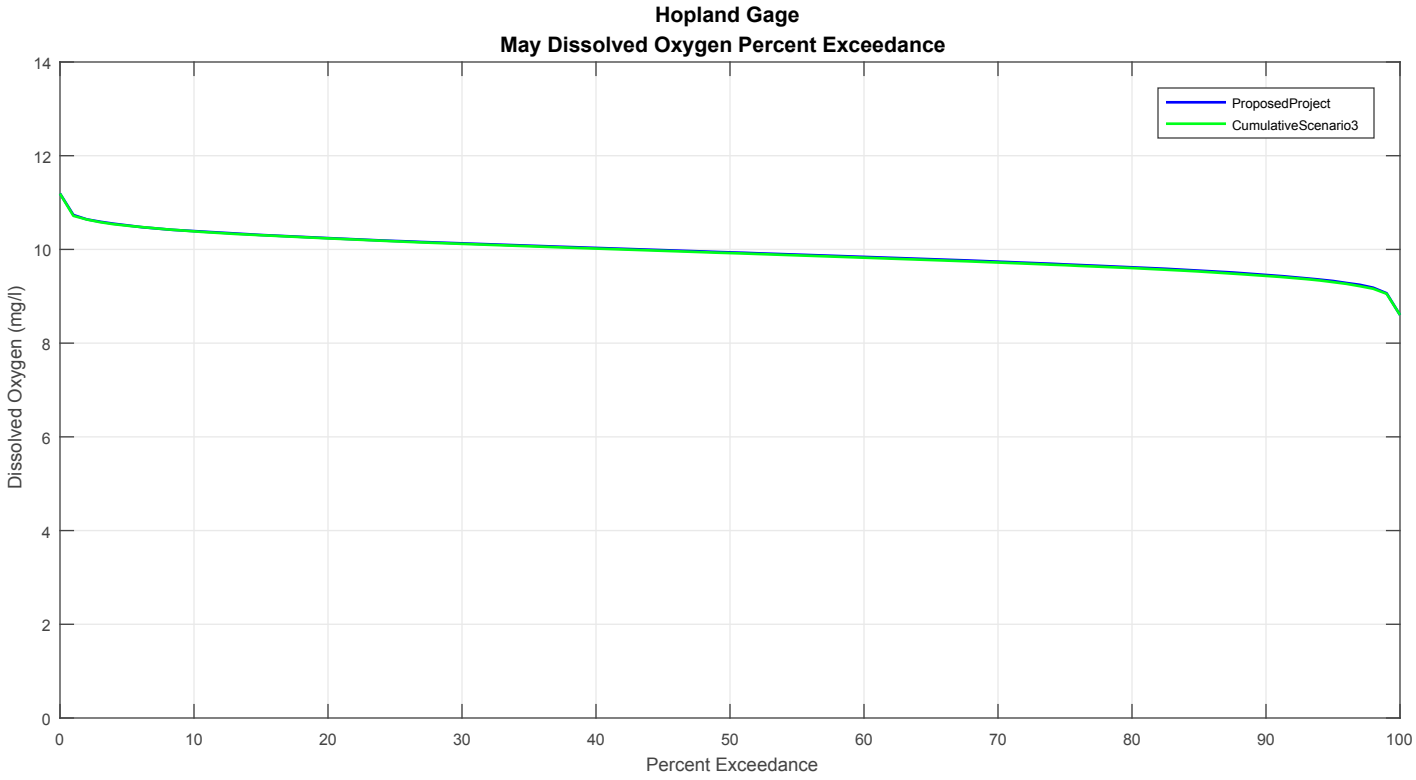
Hopland Gage
May Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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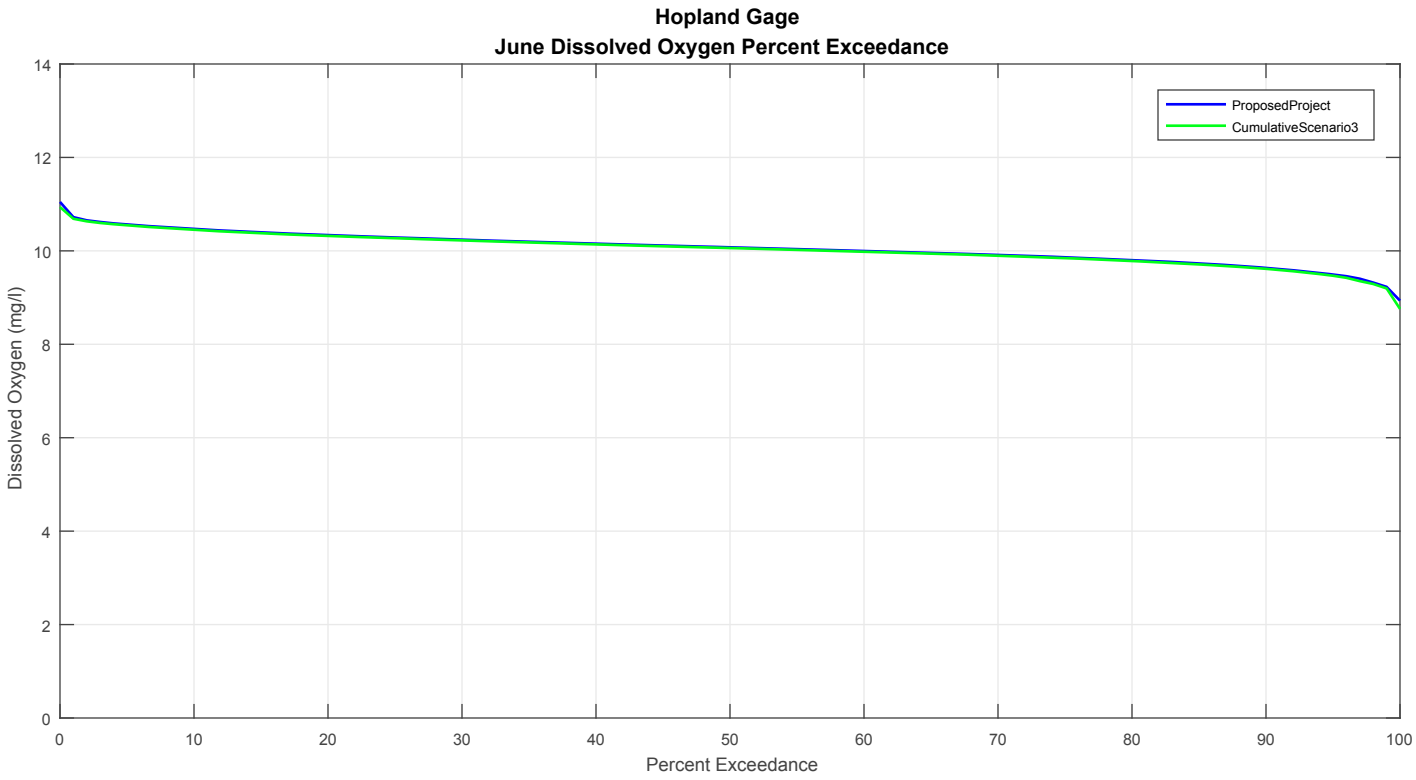
Hopland Gage
June Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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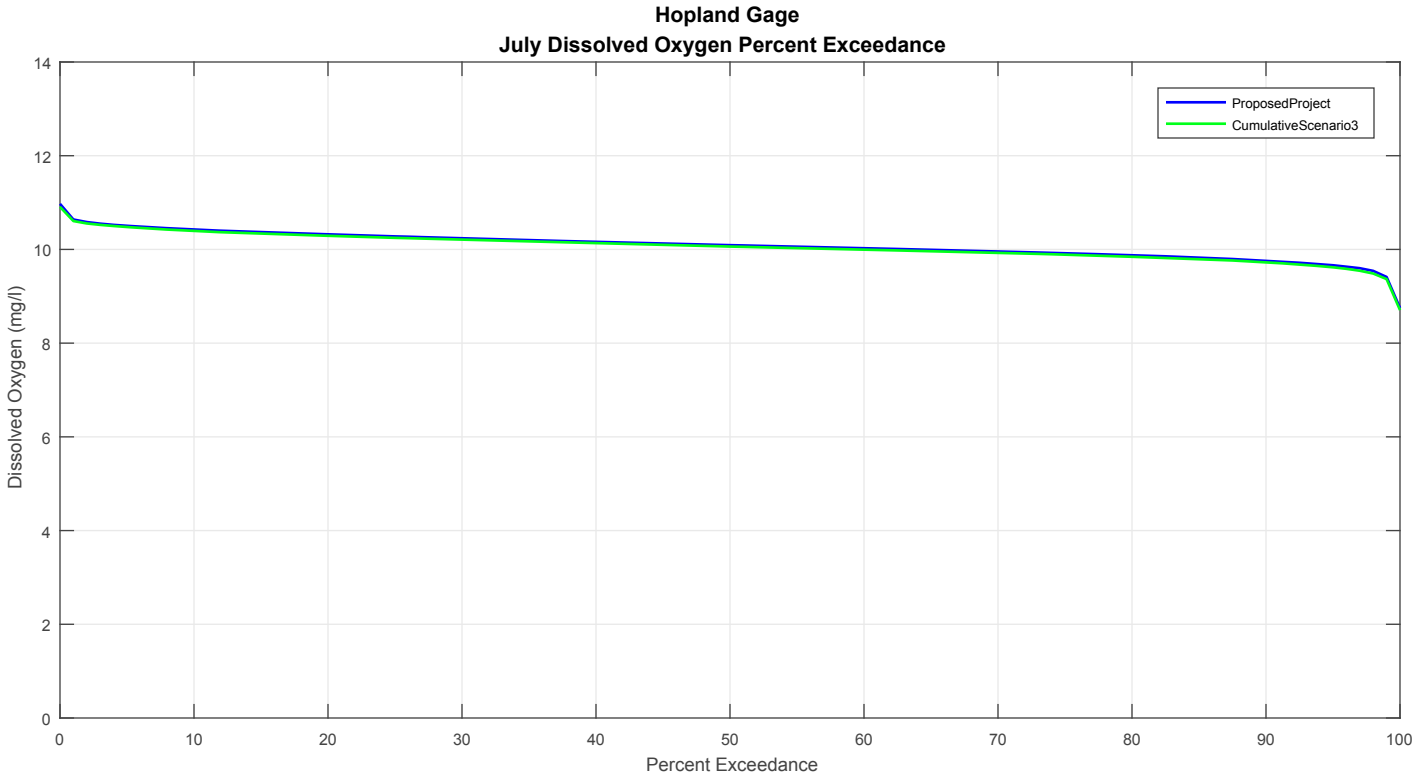
Hopland Gage
July Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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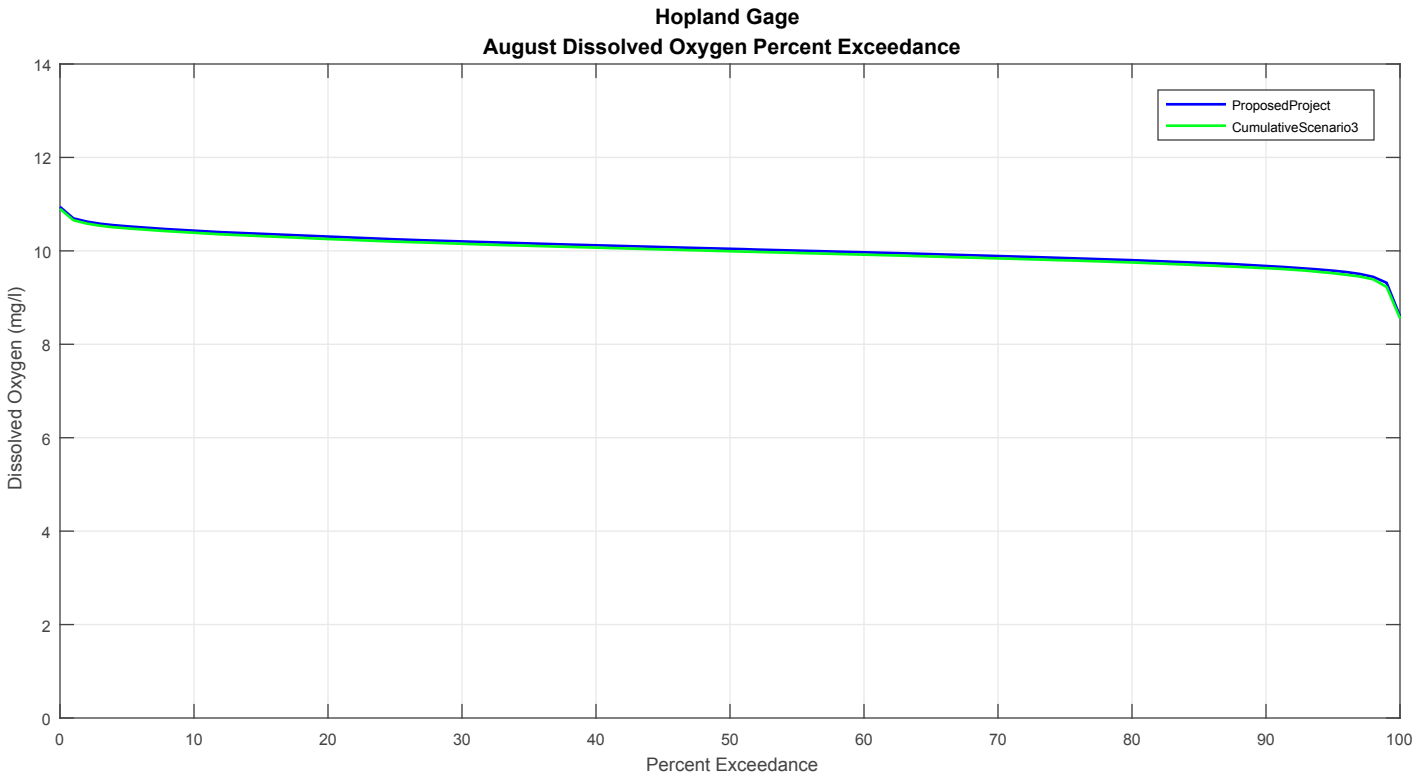
Hopland Gage
August Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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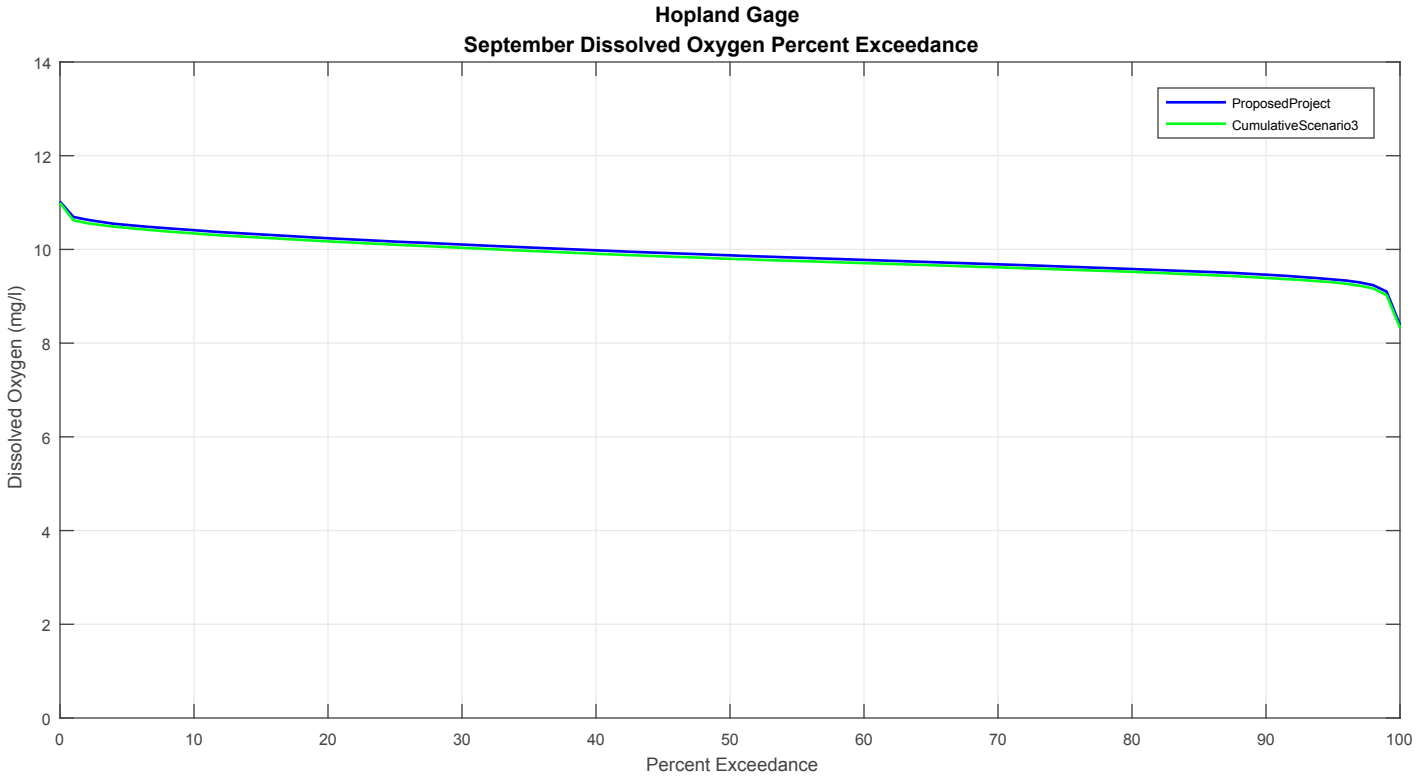
Hopland Gage
September Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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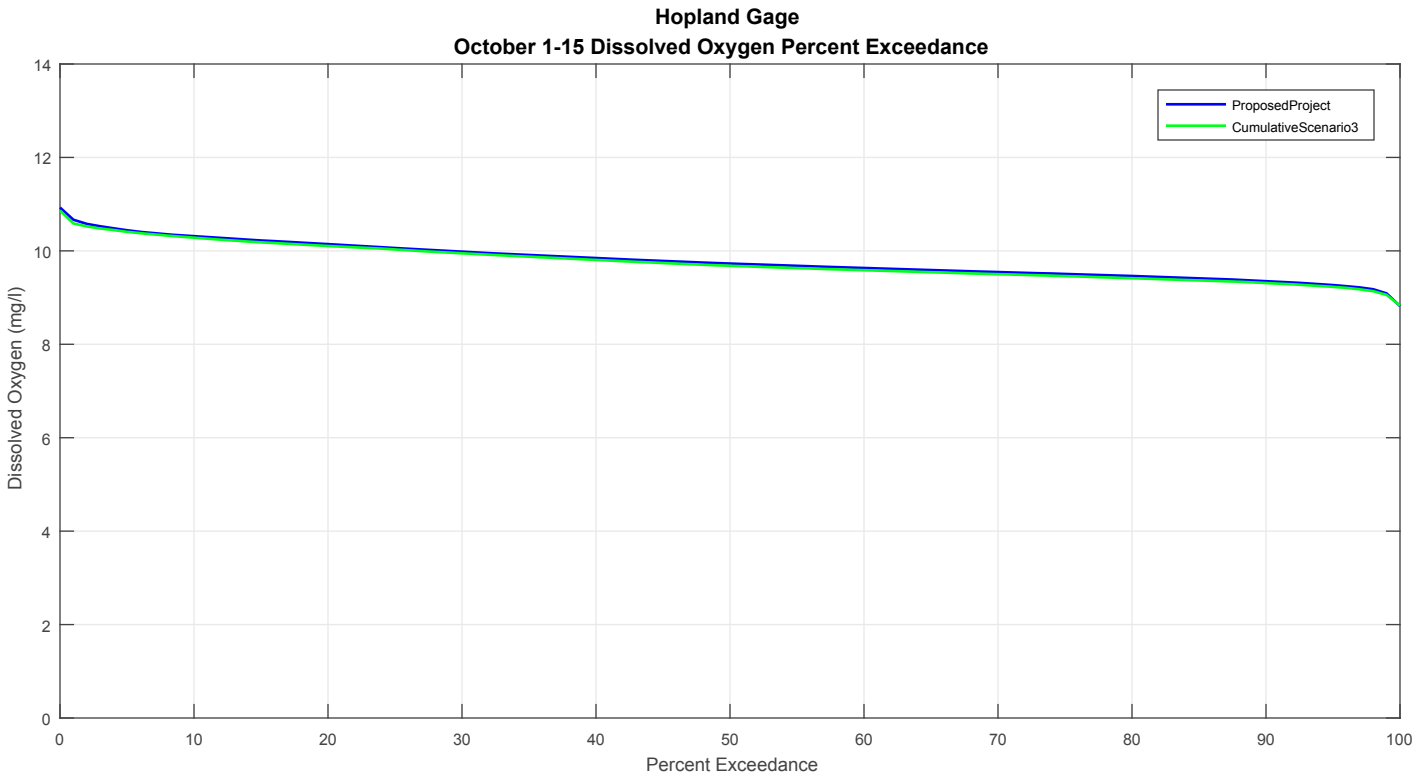
Hopland Gage
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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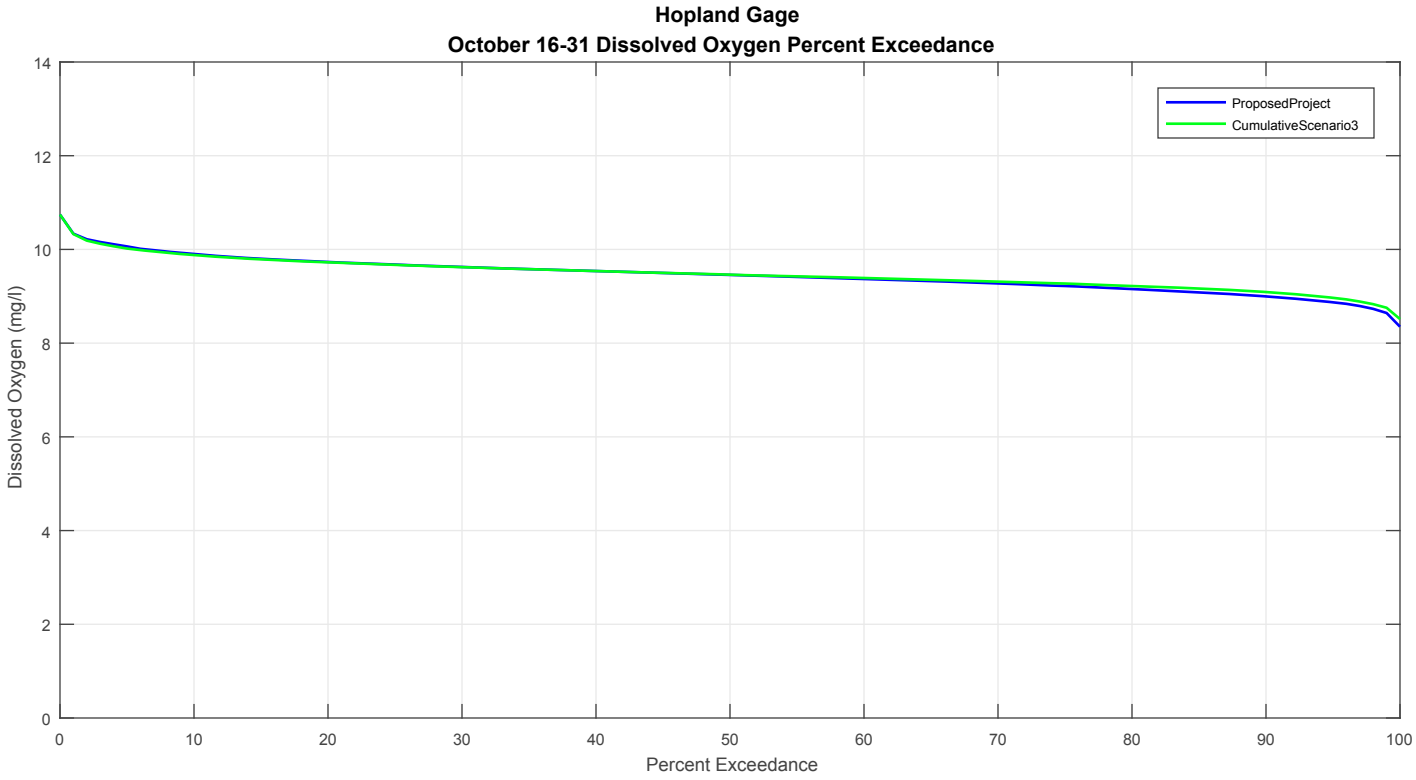
Hopland Gage
October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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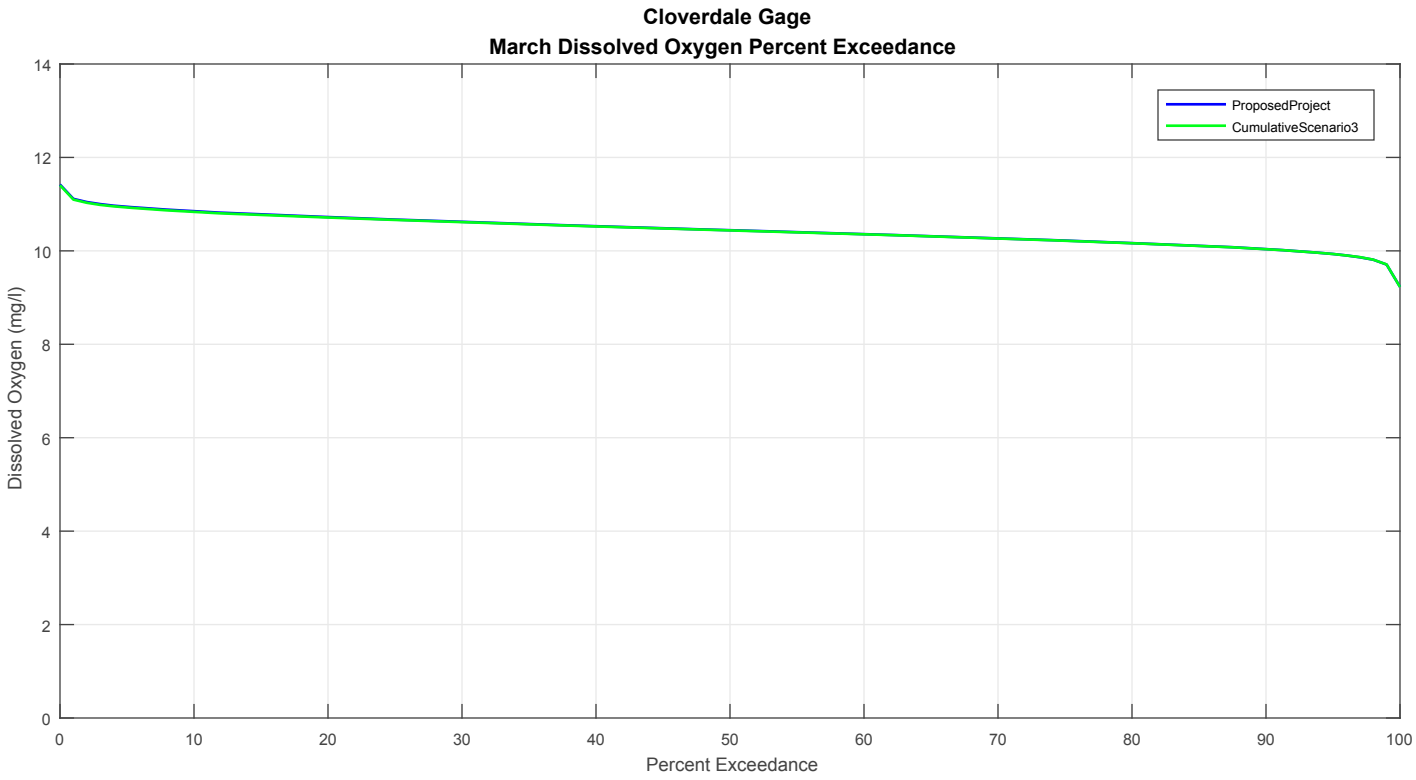
Cloverdale Gage
March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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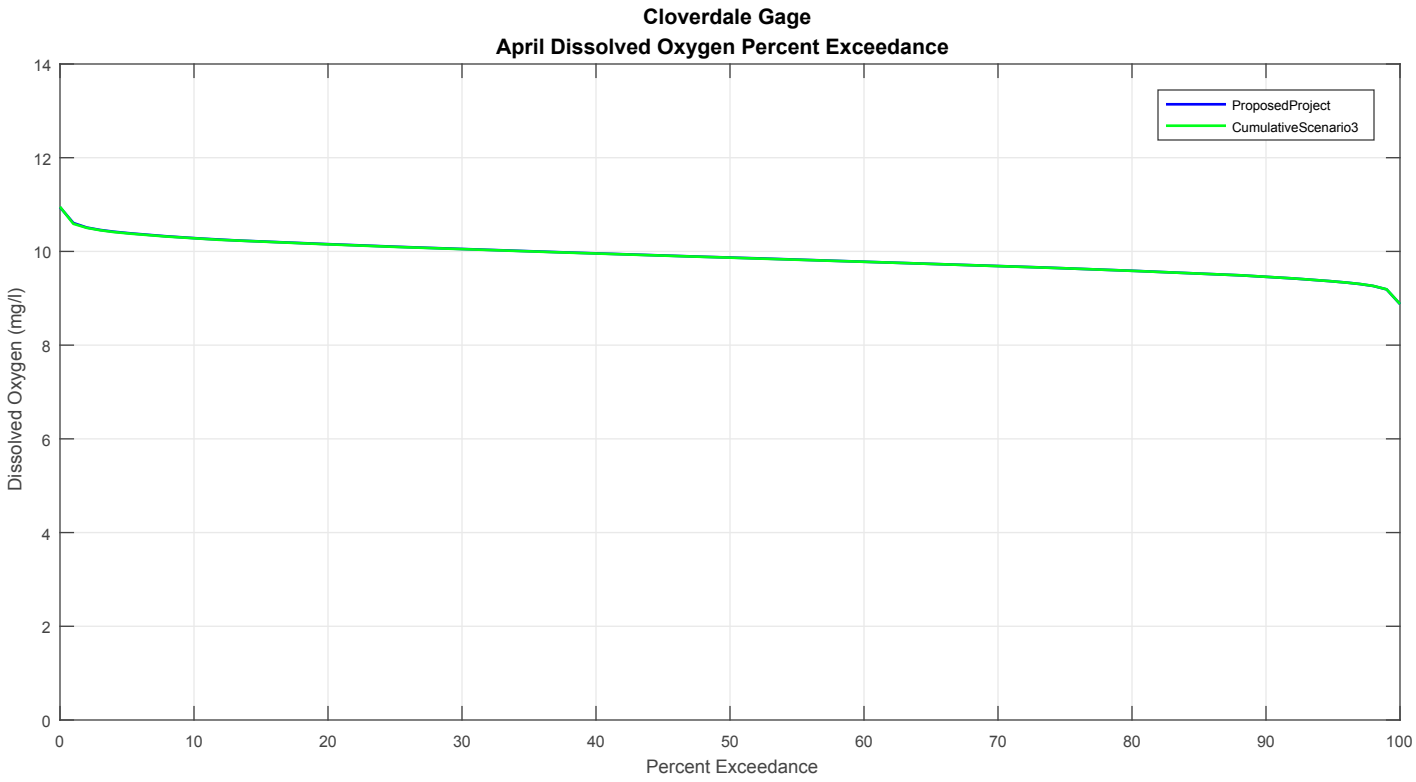
Cloverdale Gage
April Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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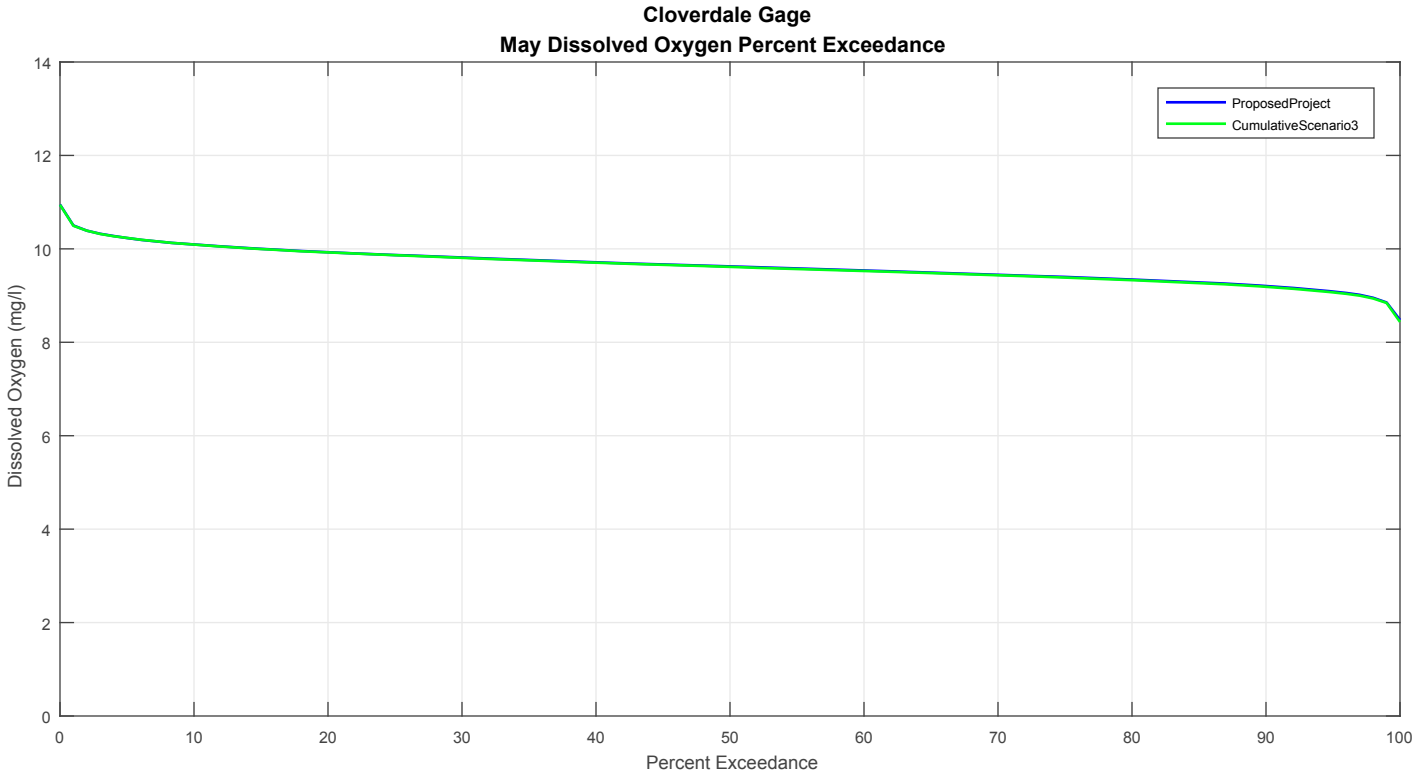
Cloverdale Gage
May Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
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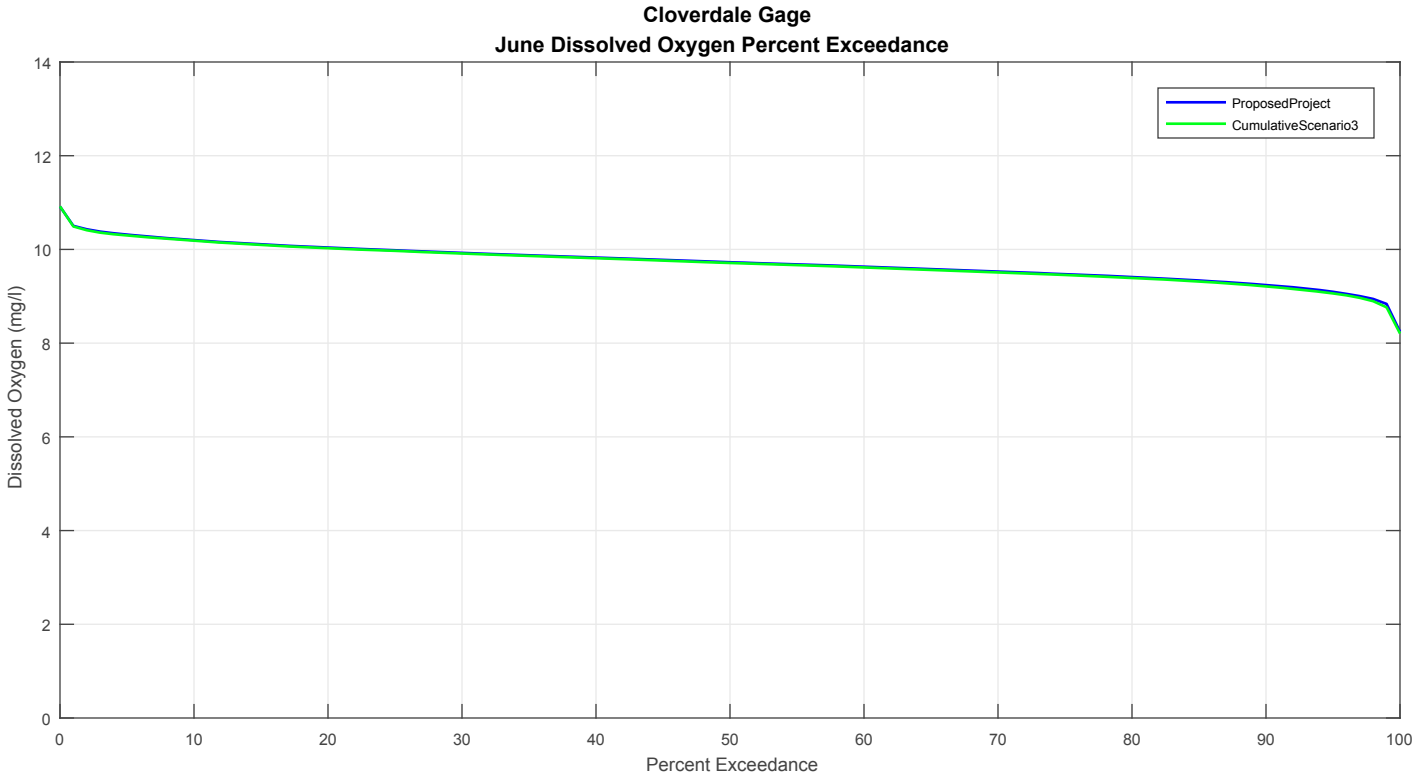
Cloverdale Gage
June Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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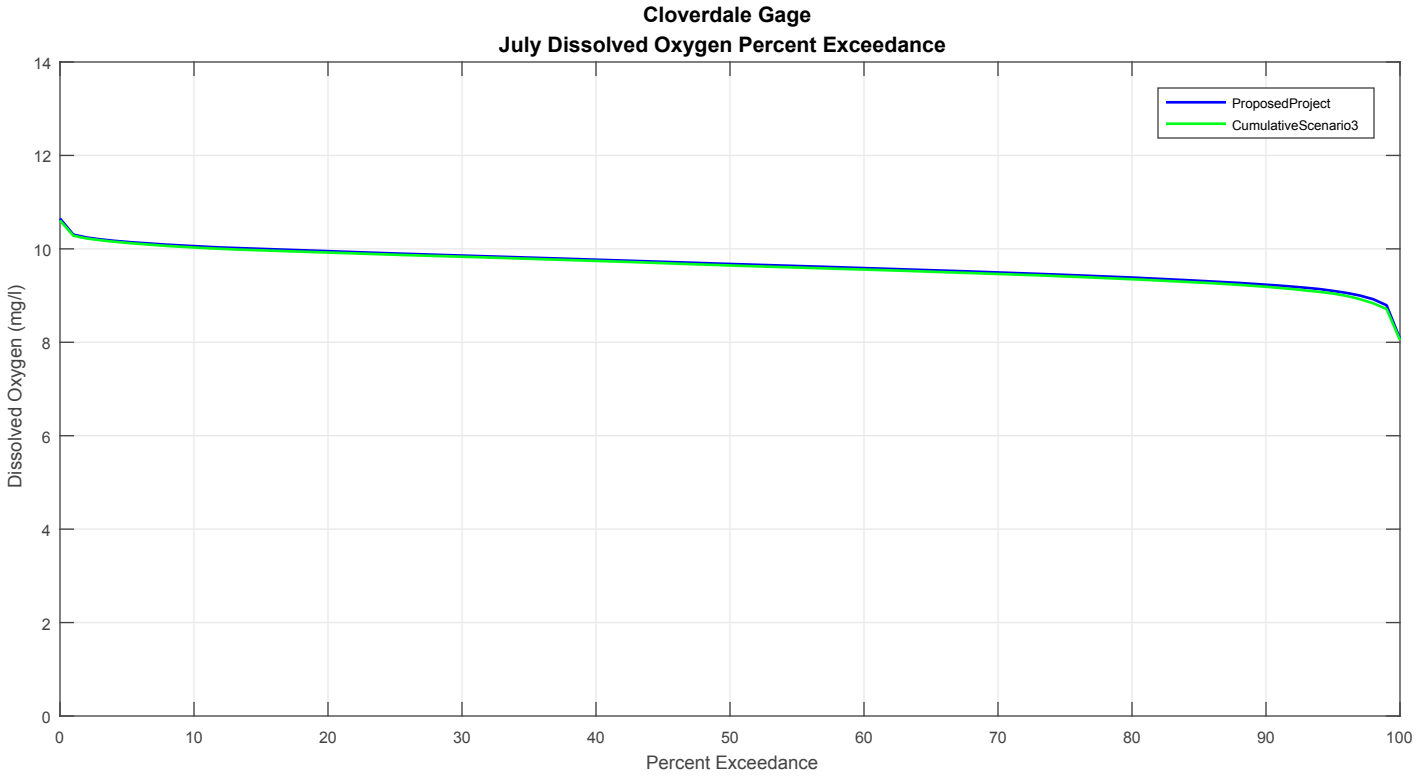
Cloverdale Gage
July Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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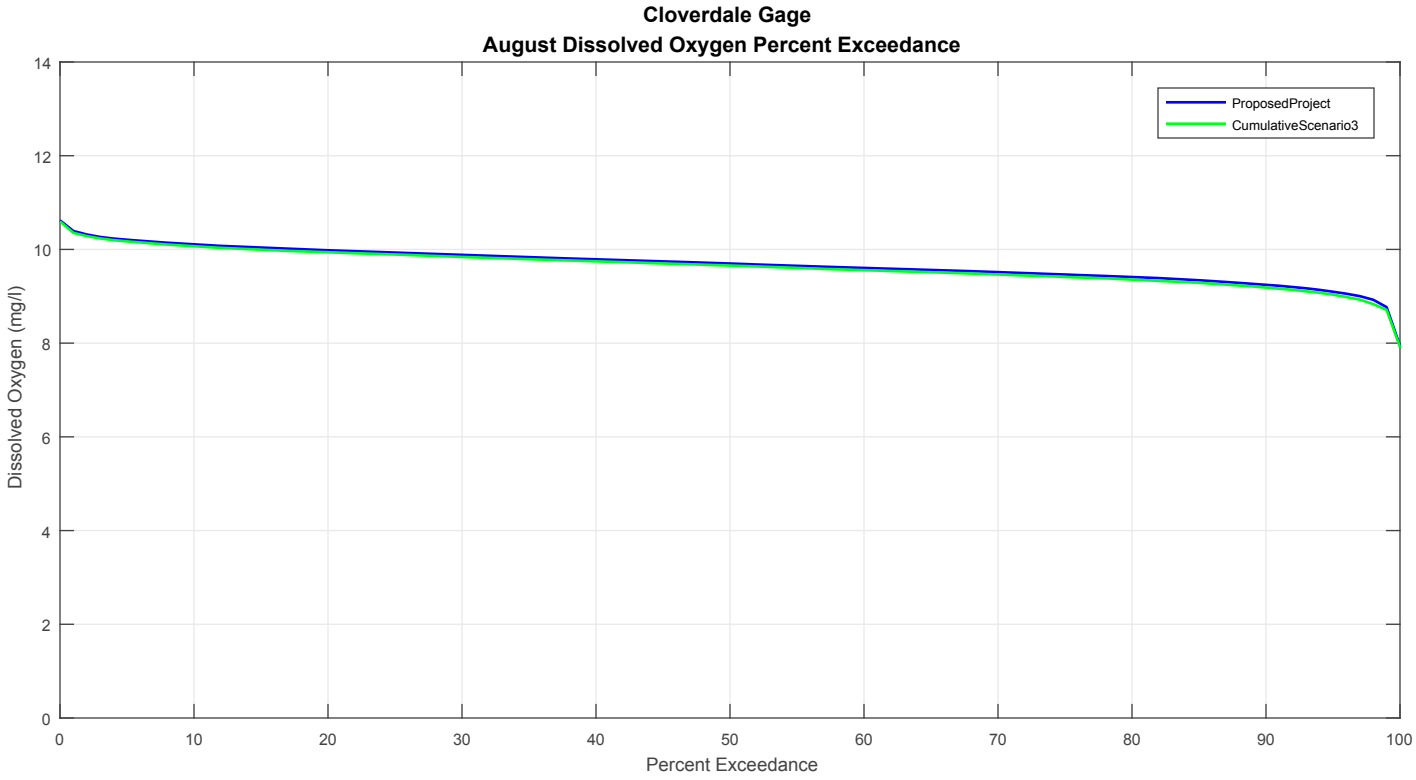
Cloverdale Gage
August Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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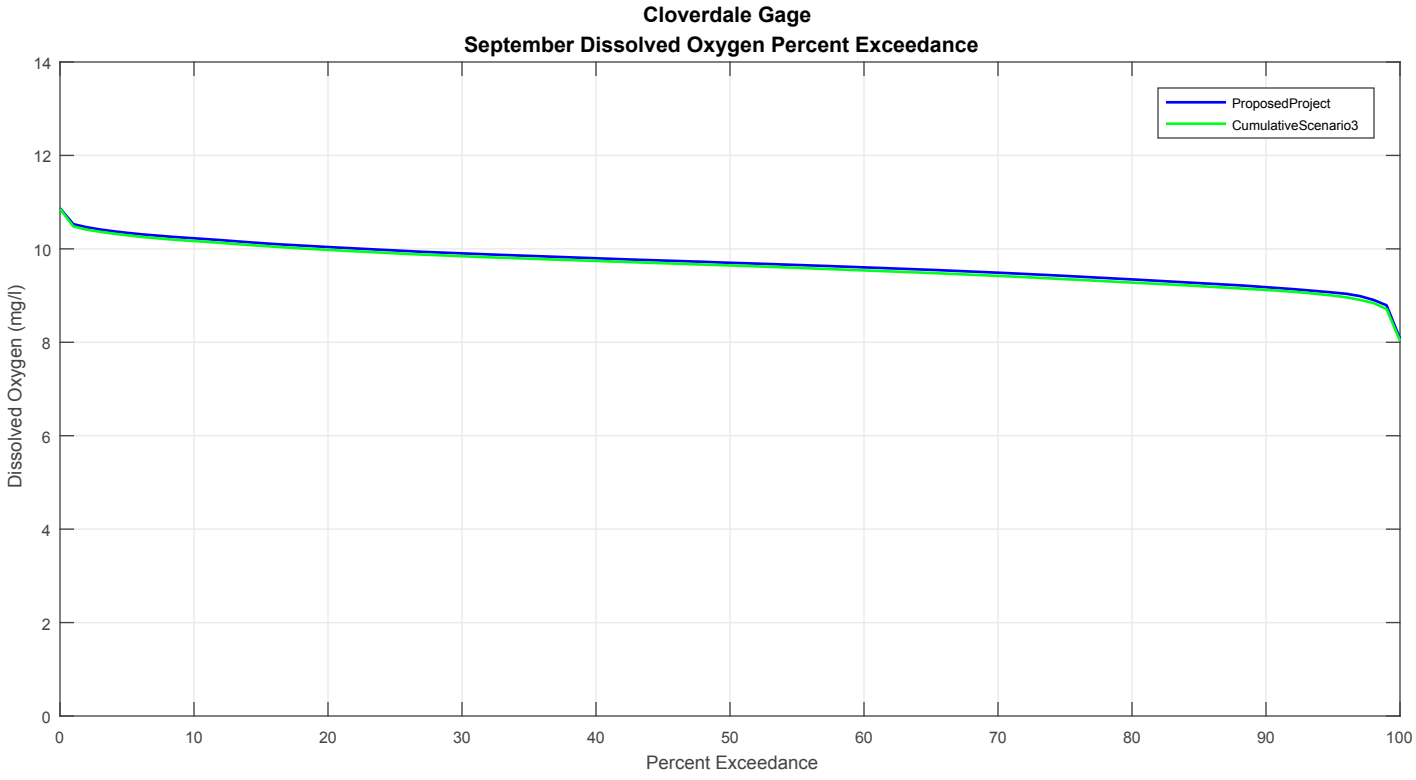
Cloverdale Gage
September Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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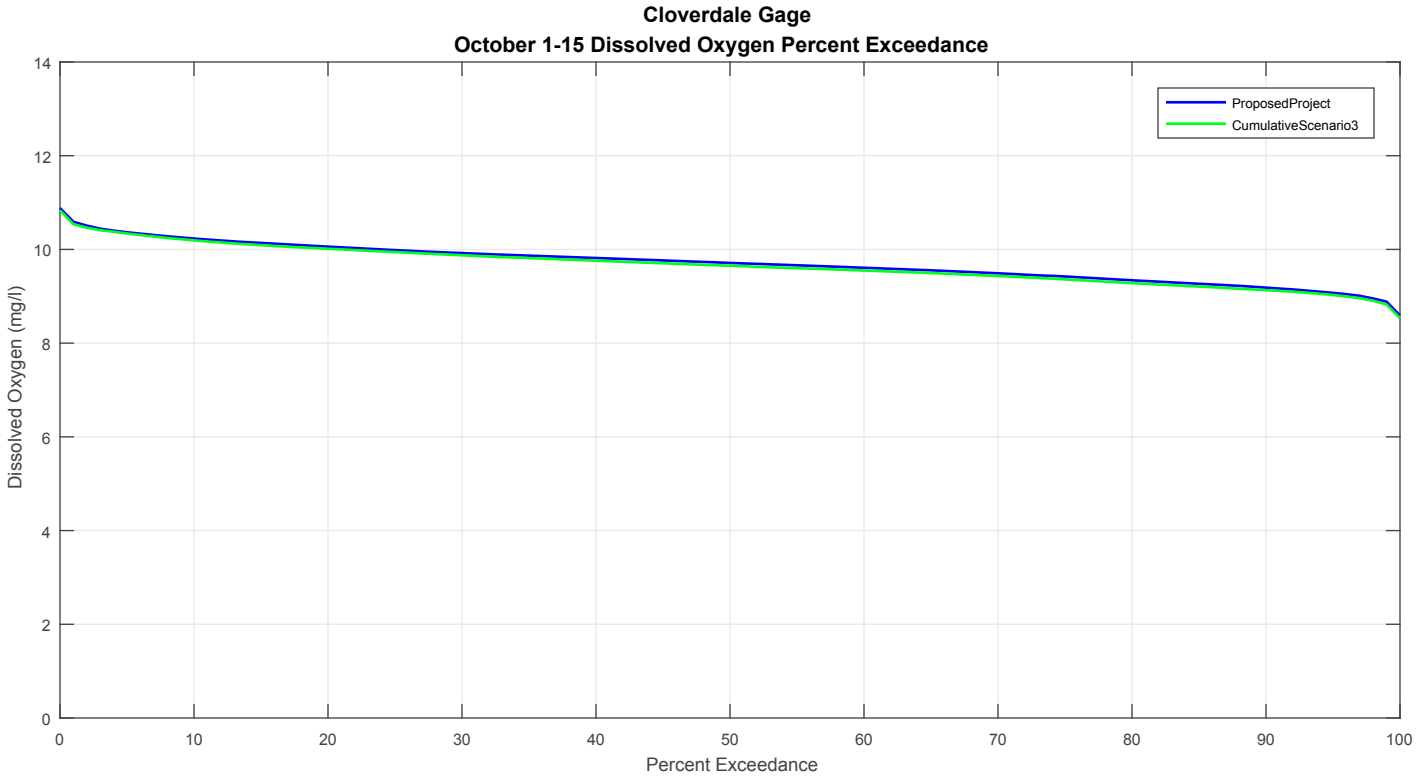
Cloverdale Gage
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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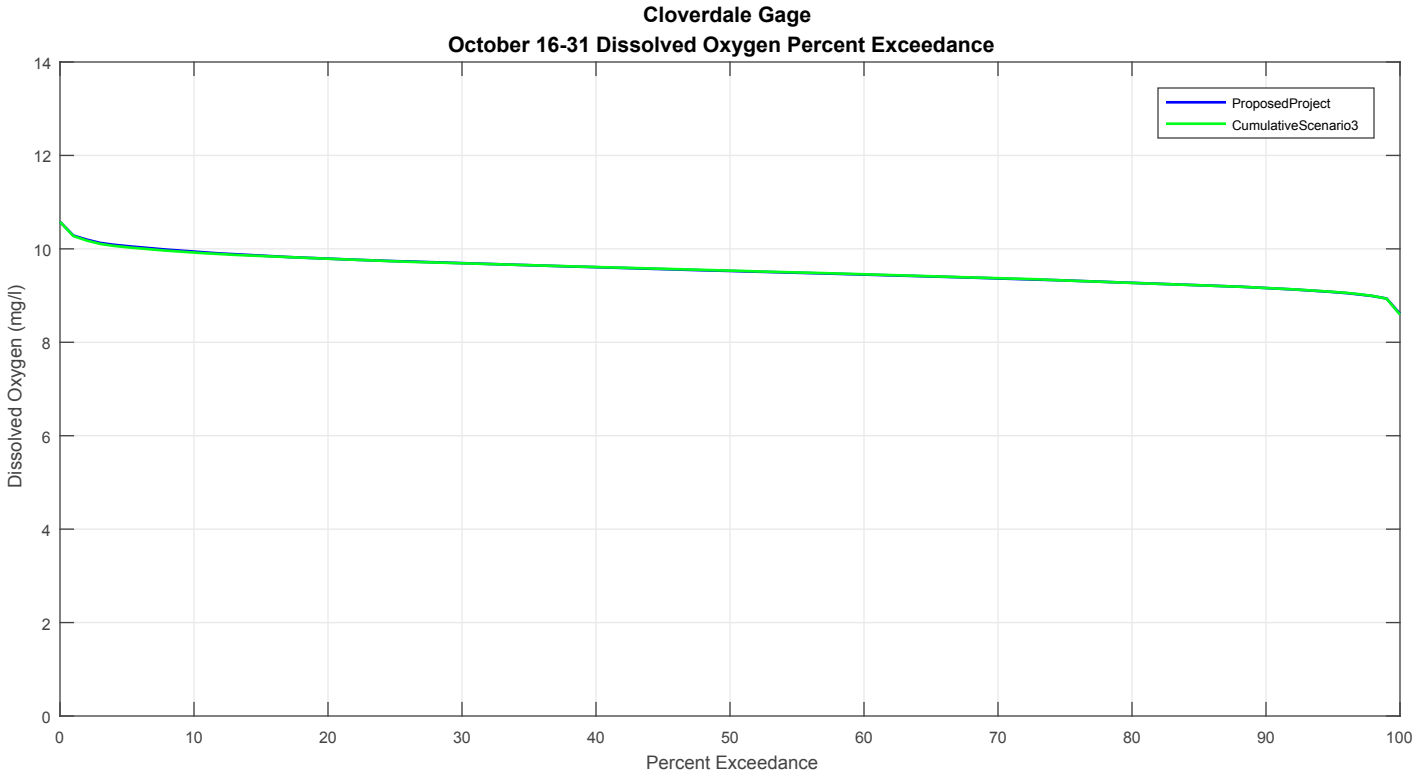
Cloverdale Gage
October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
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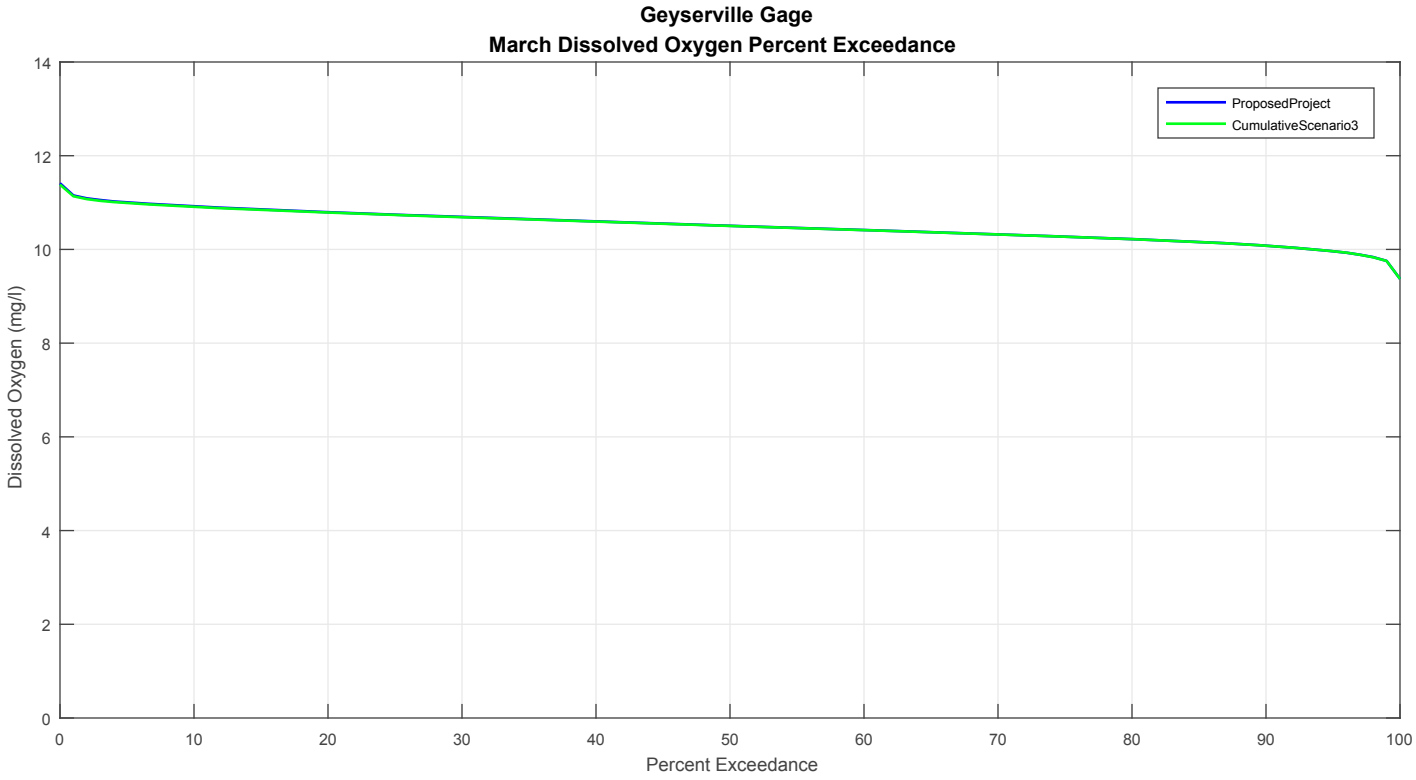
Geyserville Gage
March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
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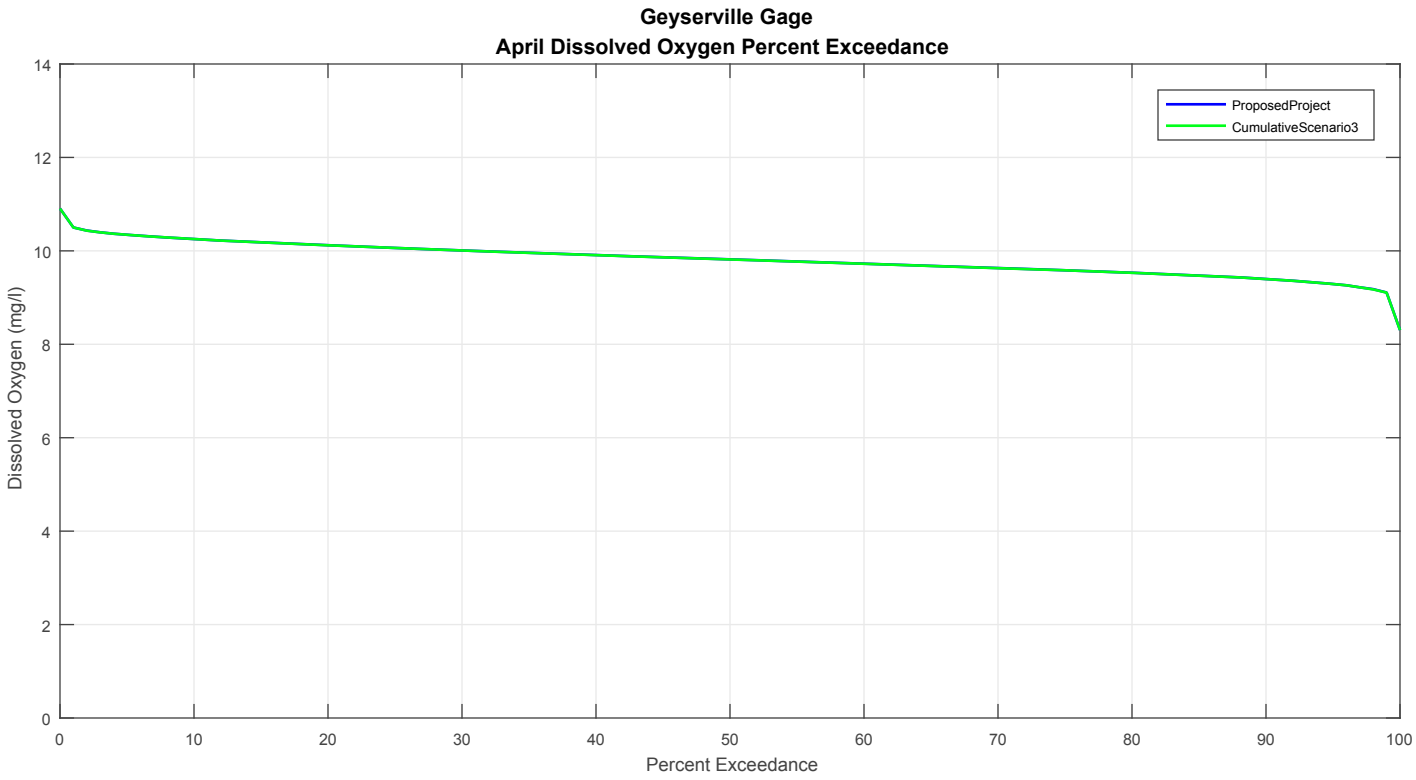
Geyserville Gage
April Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
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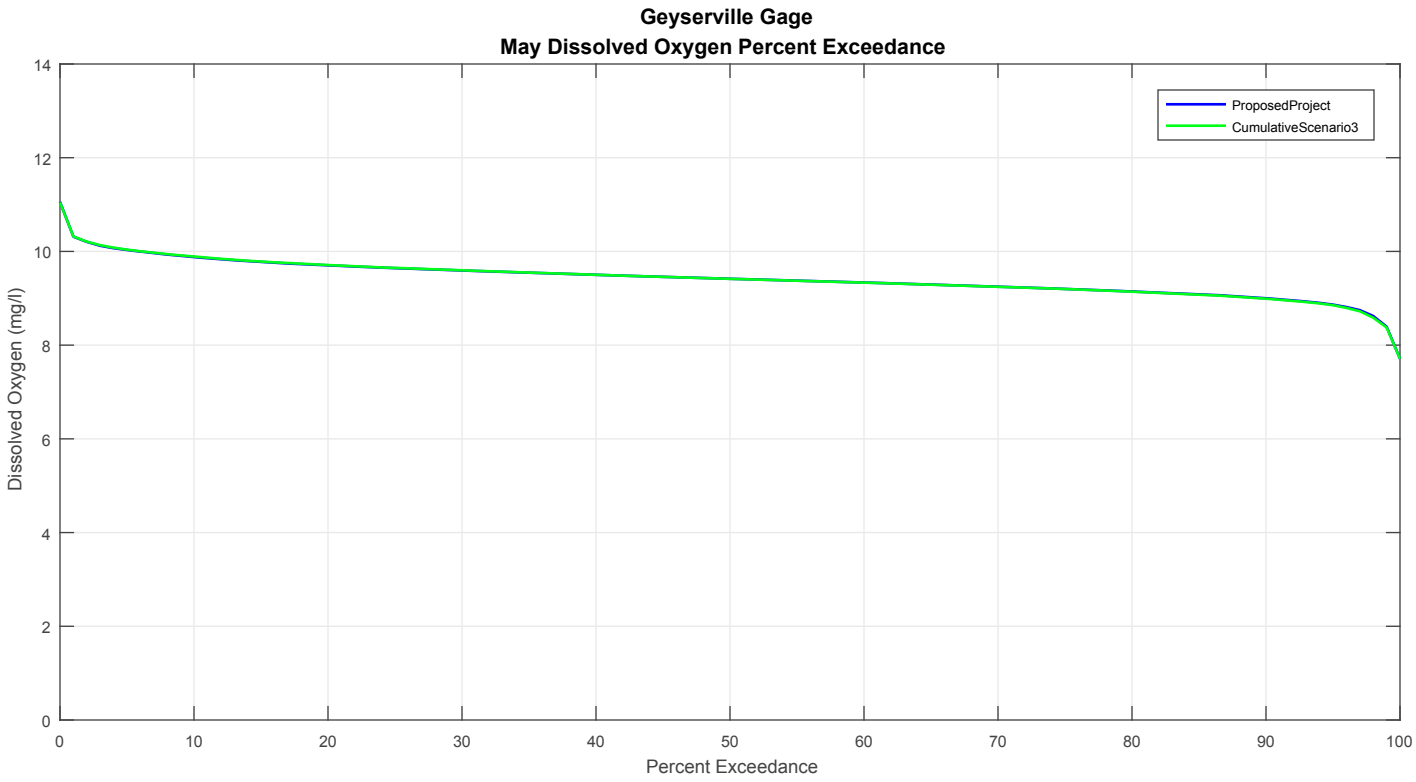
Geyserville Gage
May Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
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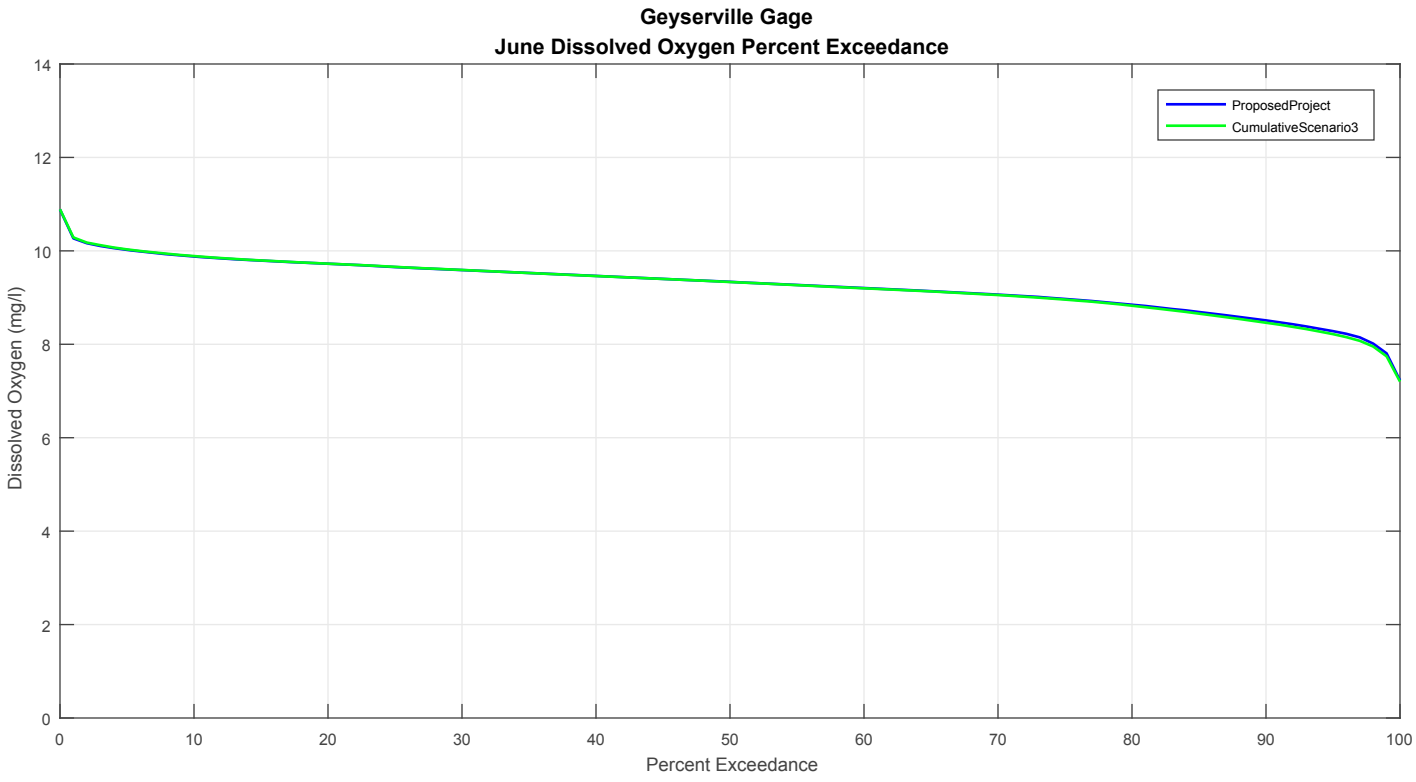
Geyserville Gage
June Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
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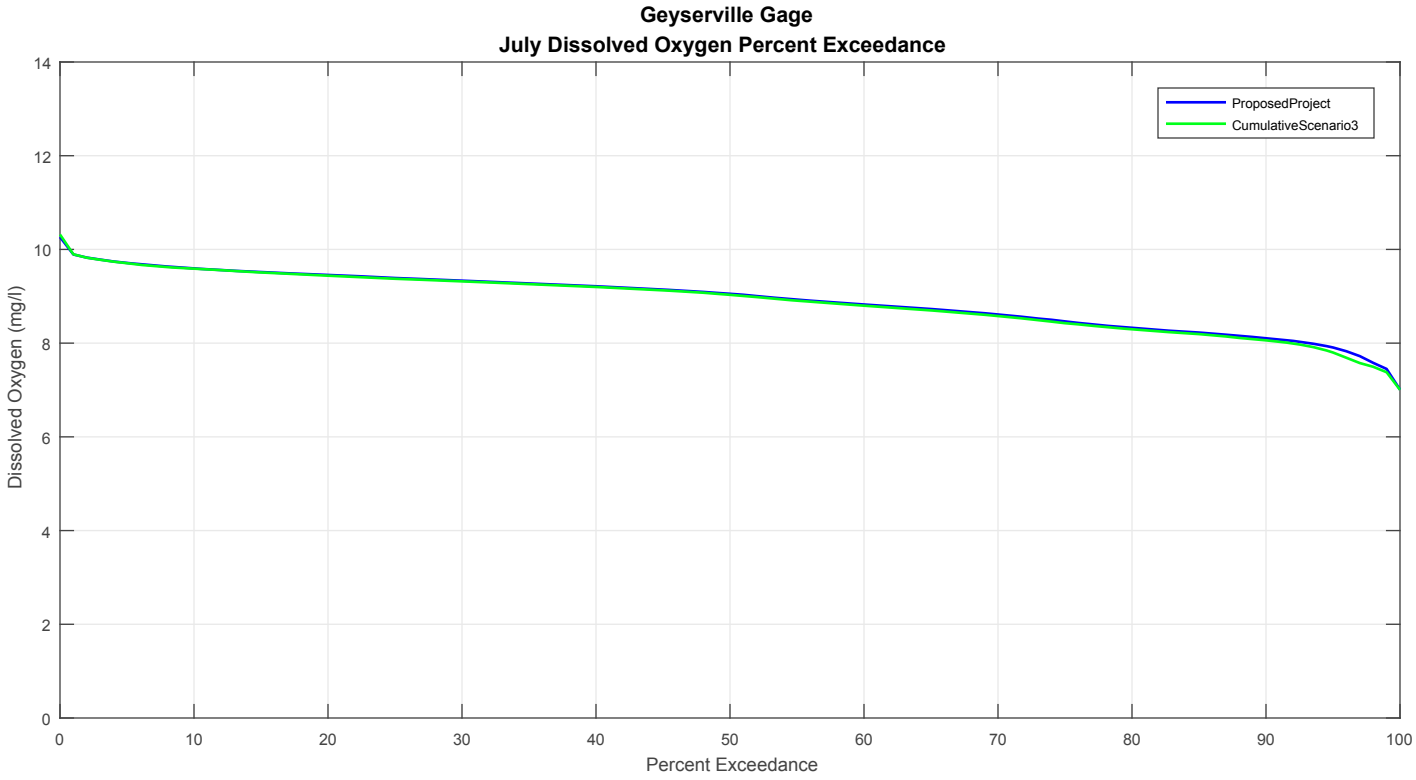
Geyserville Gage
July Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
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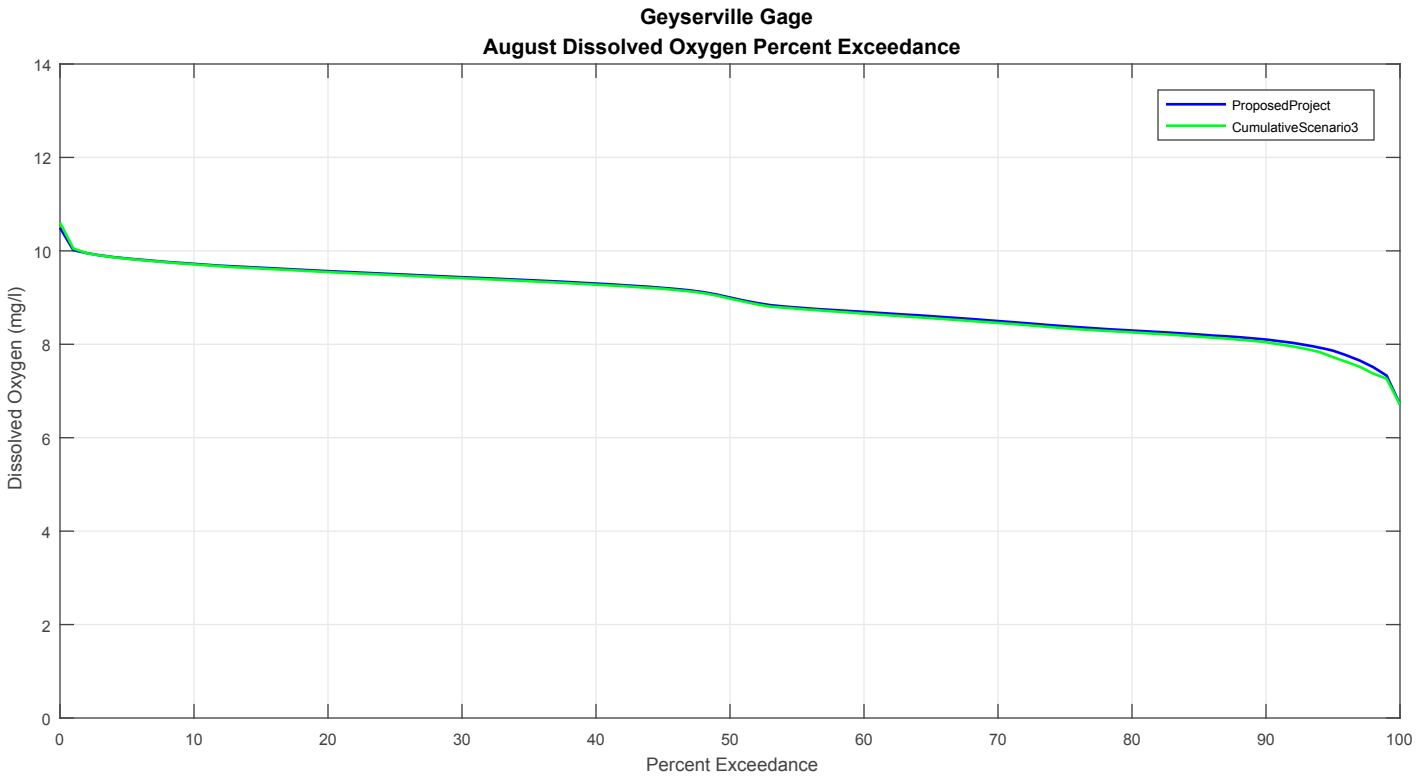
Geyserville Gage
August Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
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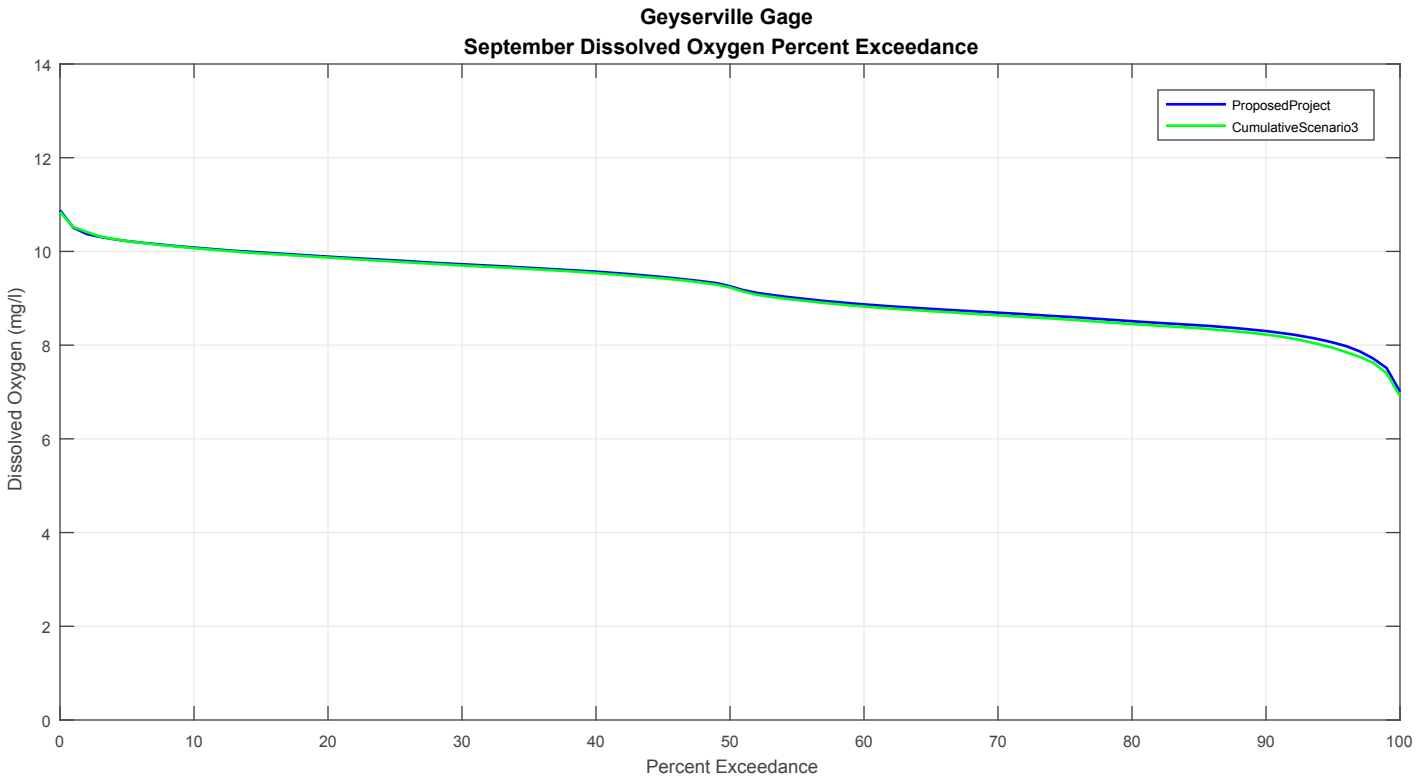
Geyserville Gage
September Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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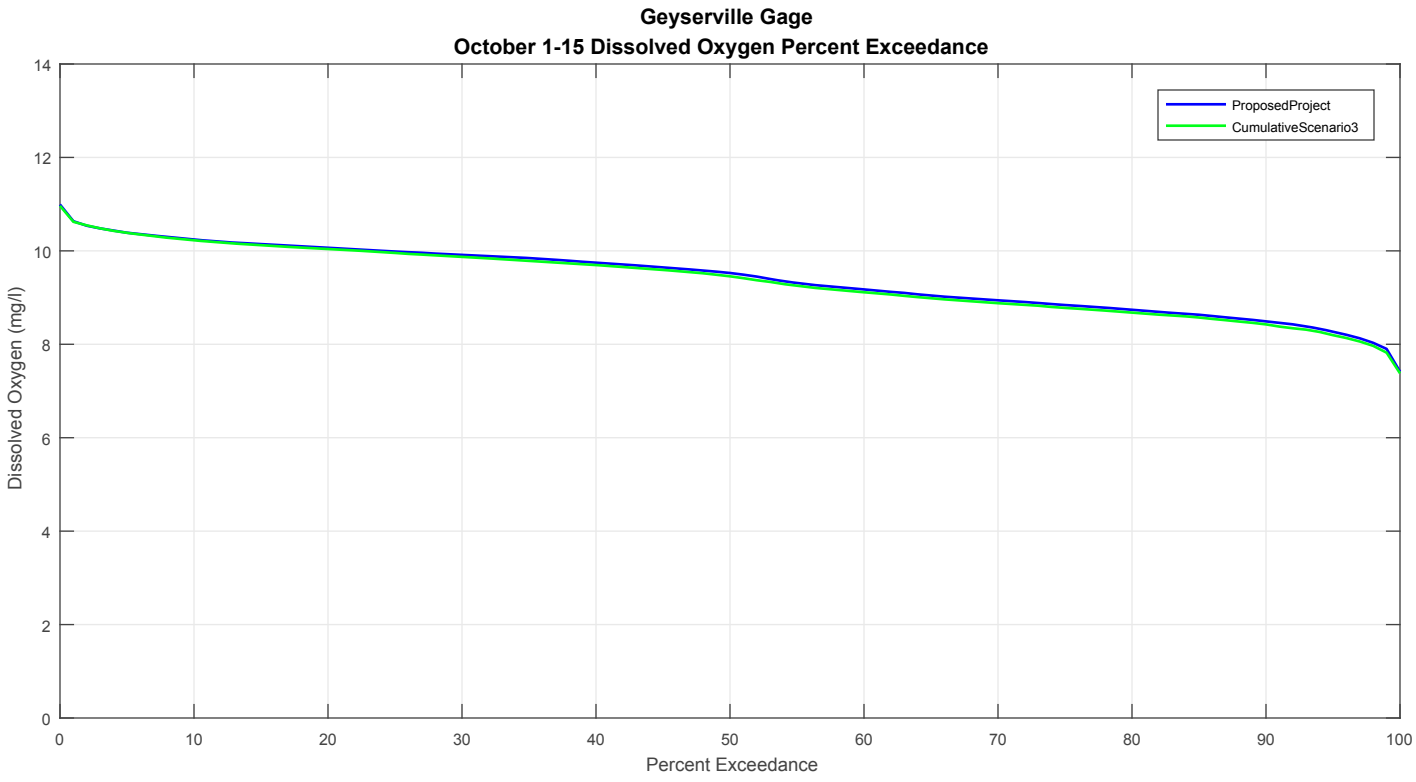
Geyserville Gage
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
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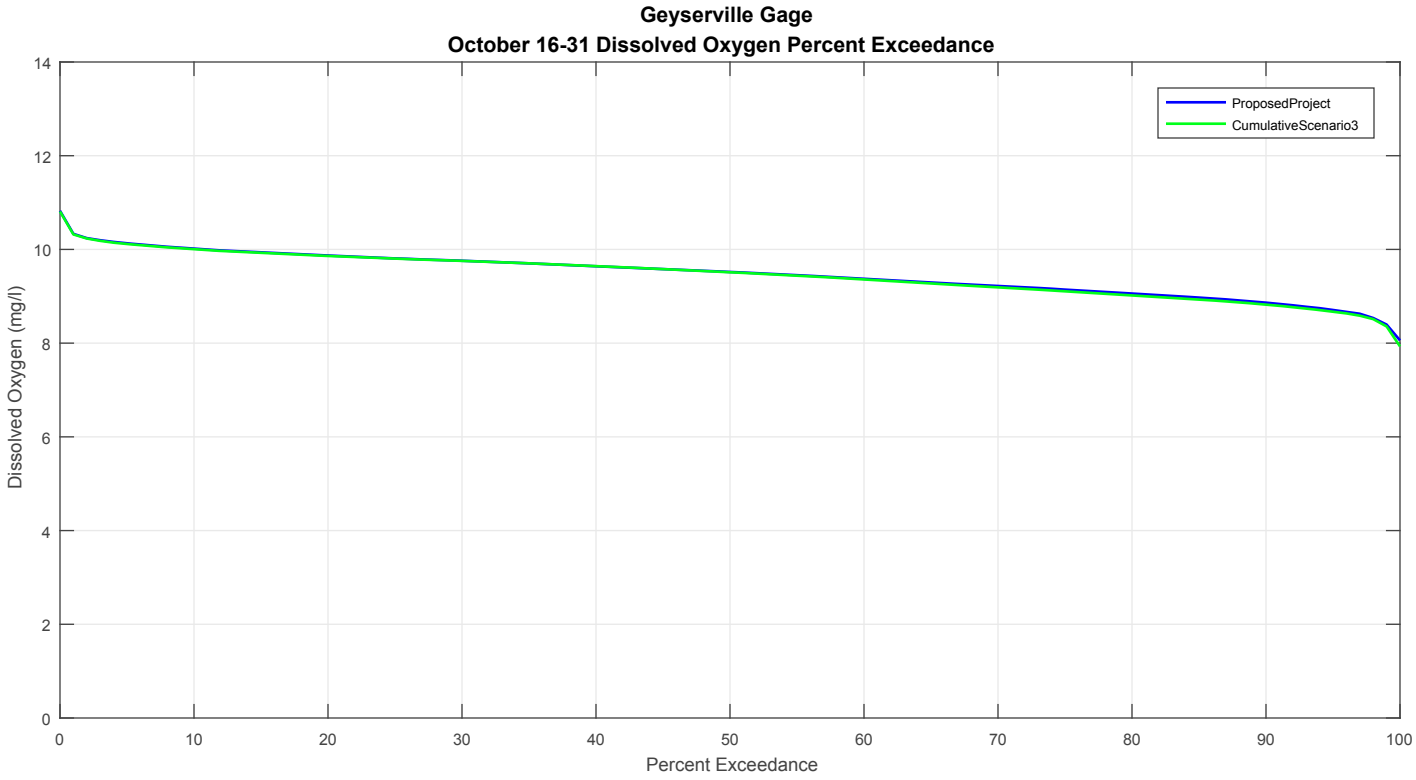
Geyserville Gage
October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
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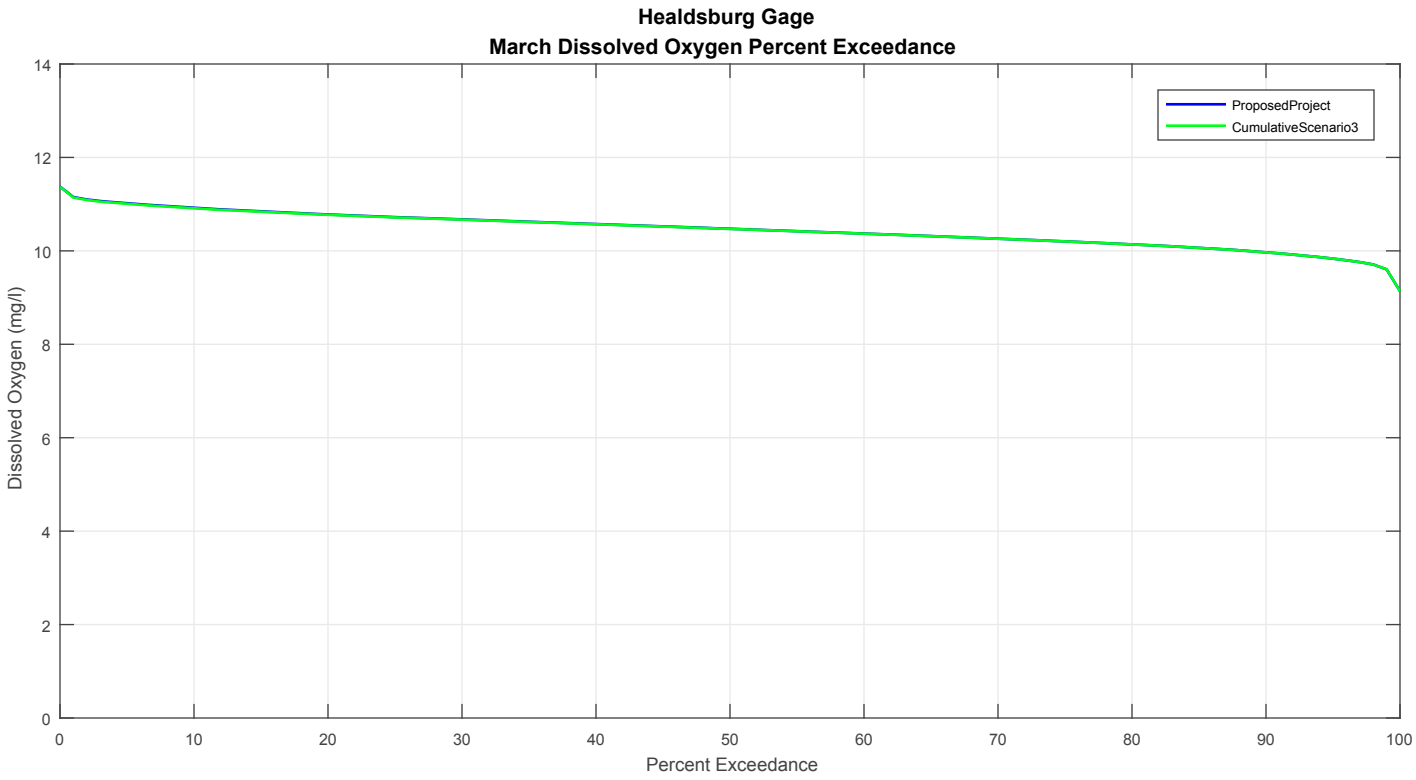
Healdsburg Gage
March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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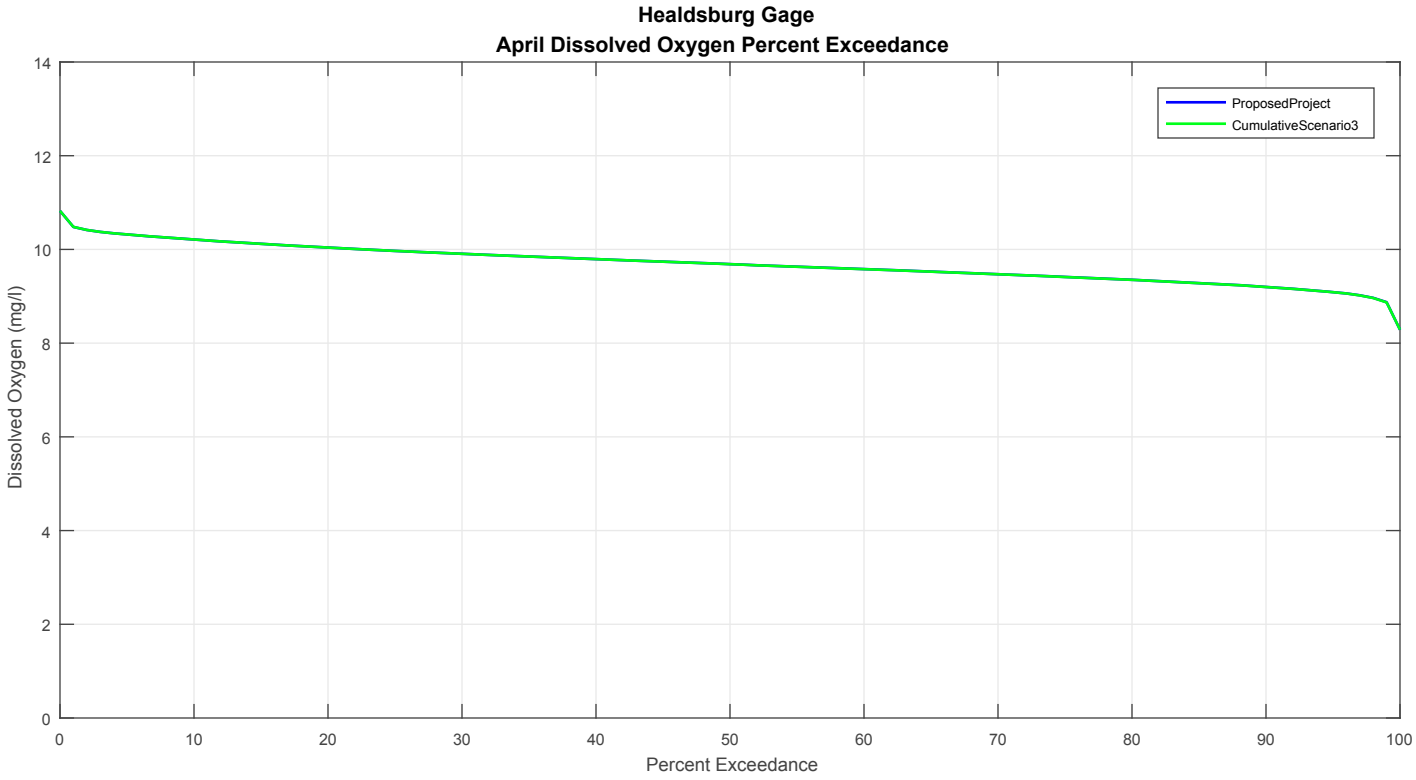
Healdsburg Gage
April Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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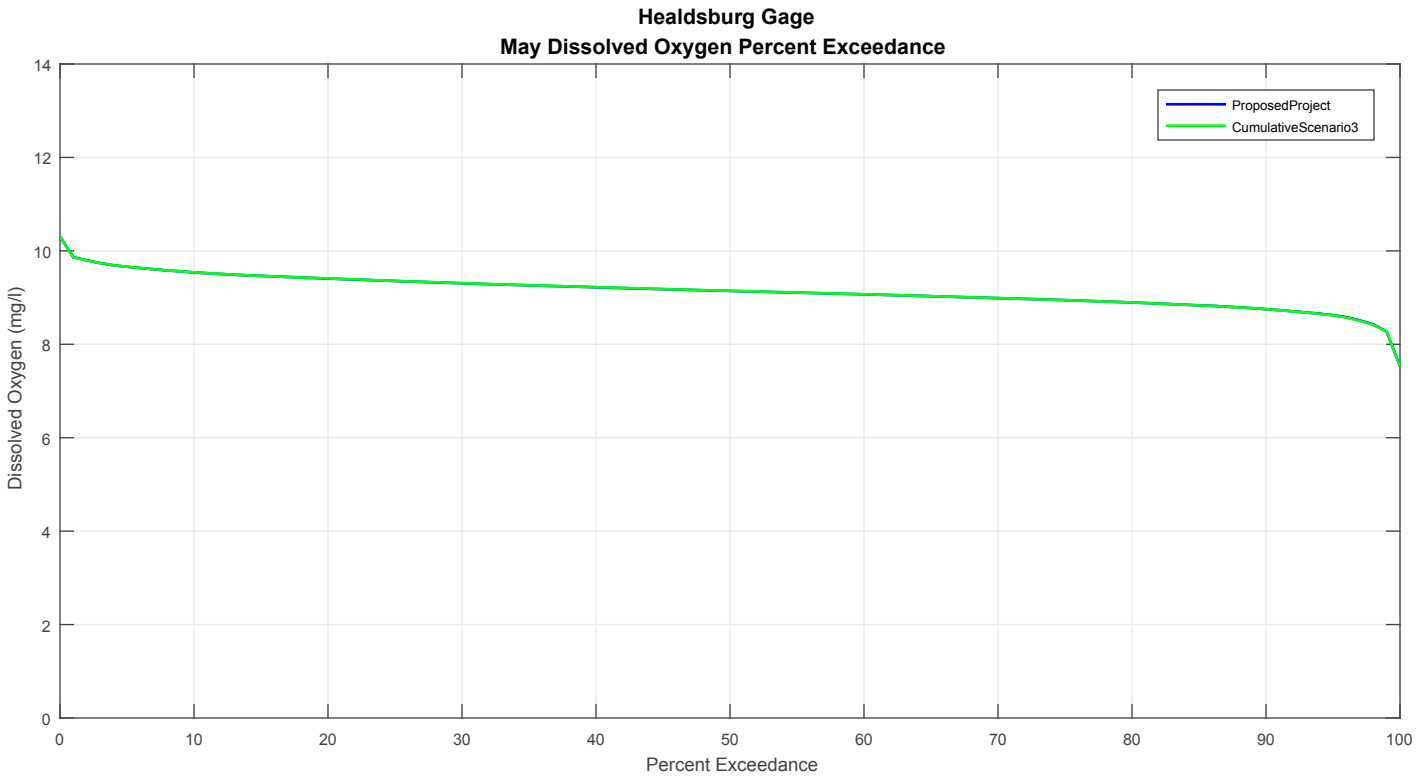
Healdsburg Gage
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ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
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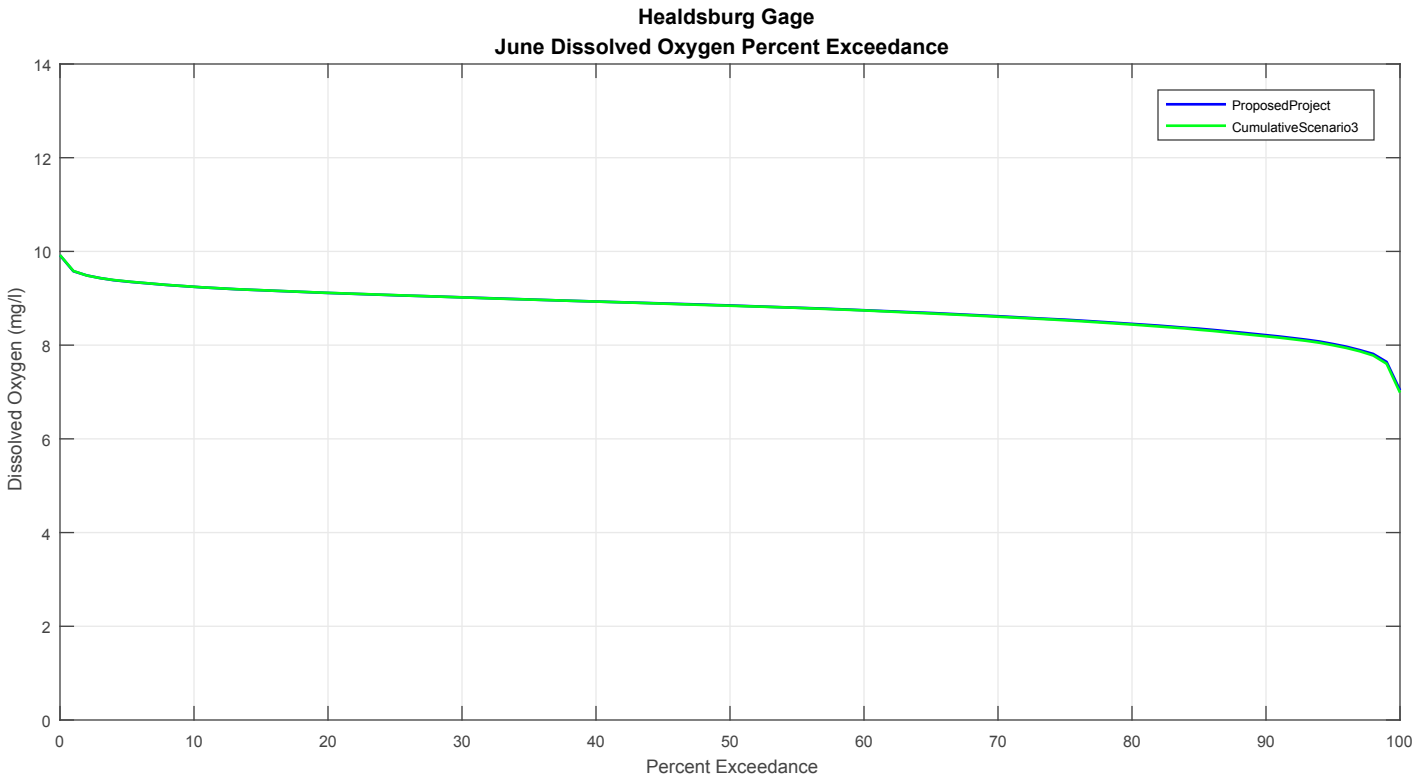
Healdsburg Gage
June Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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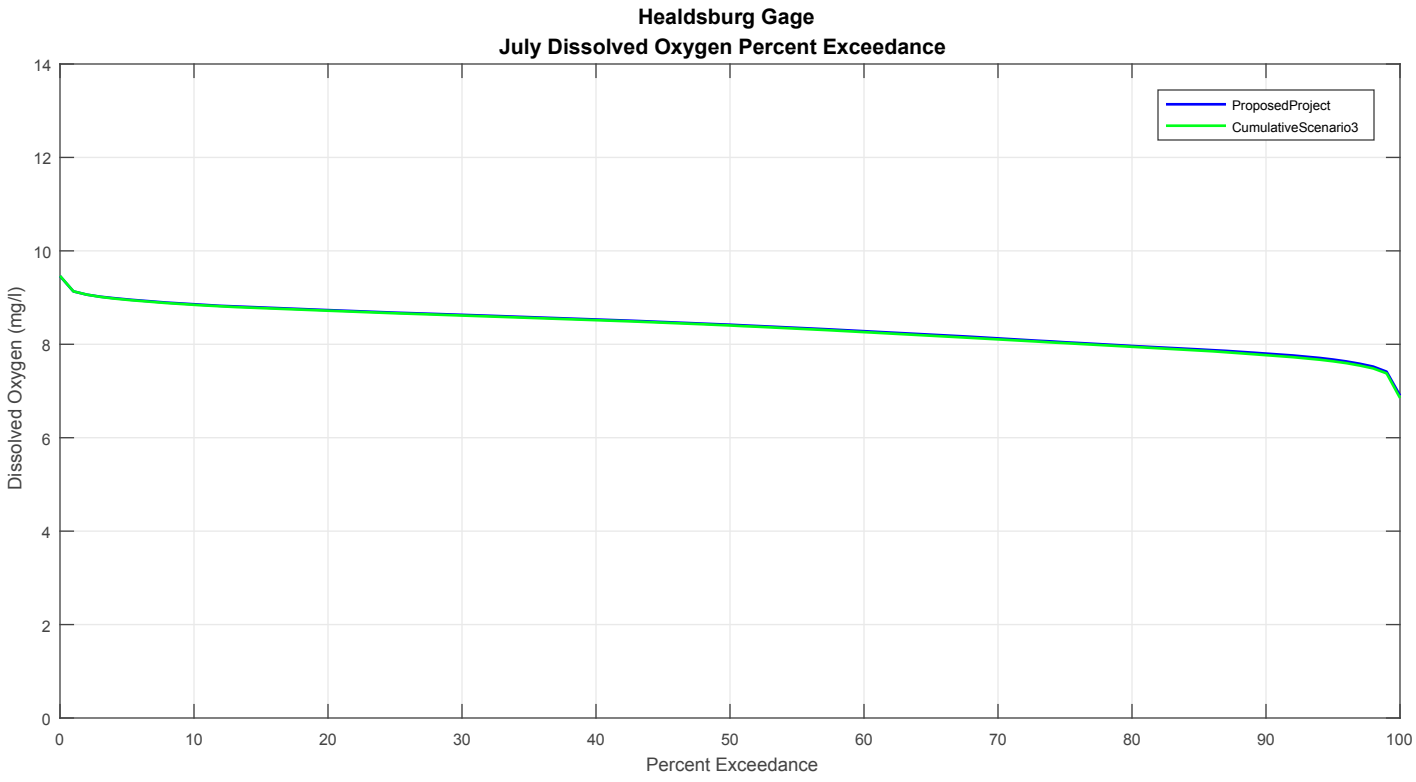
Healdsburg Gage
July Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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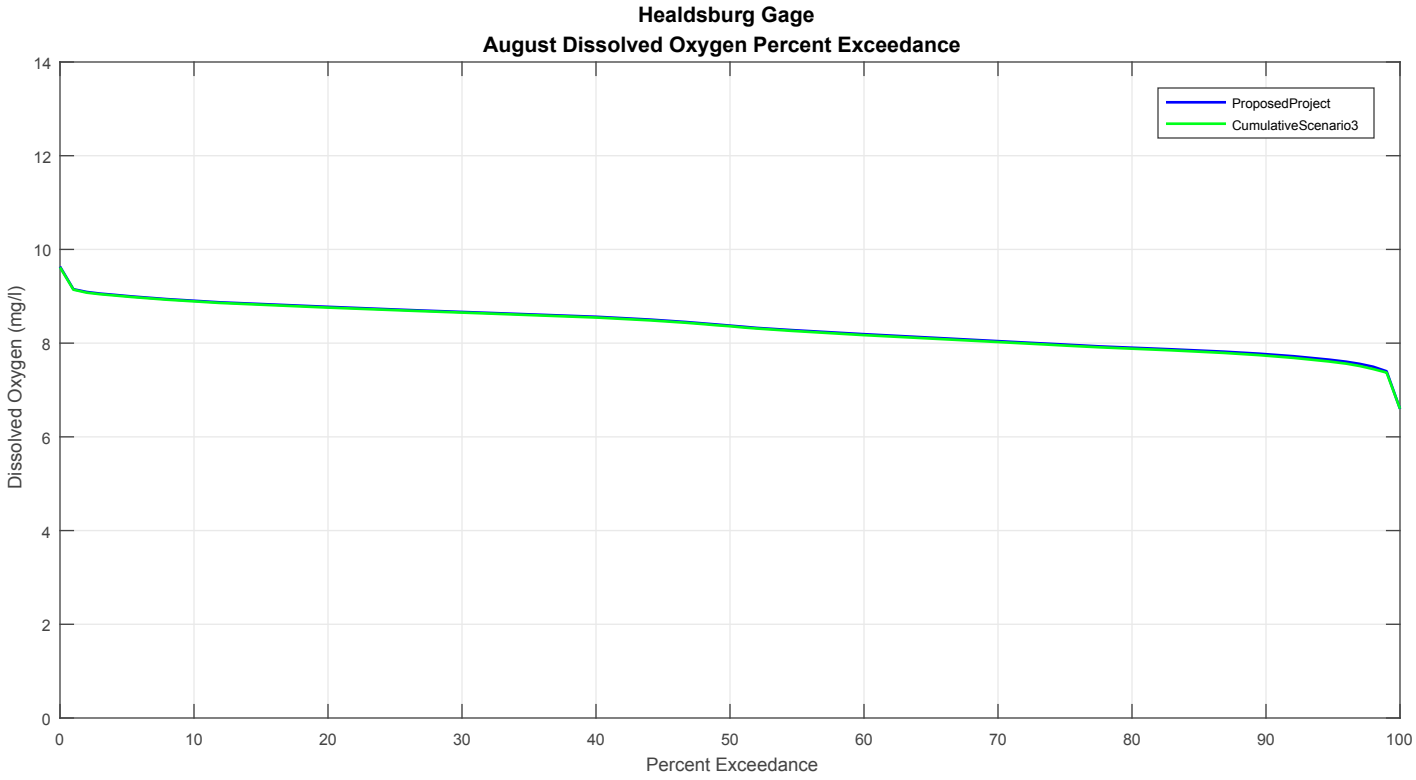
Healdsburg Gage
August Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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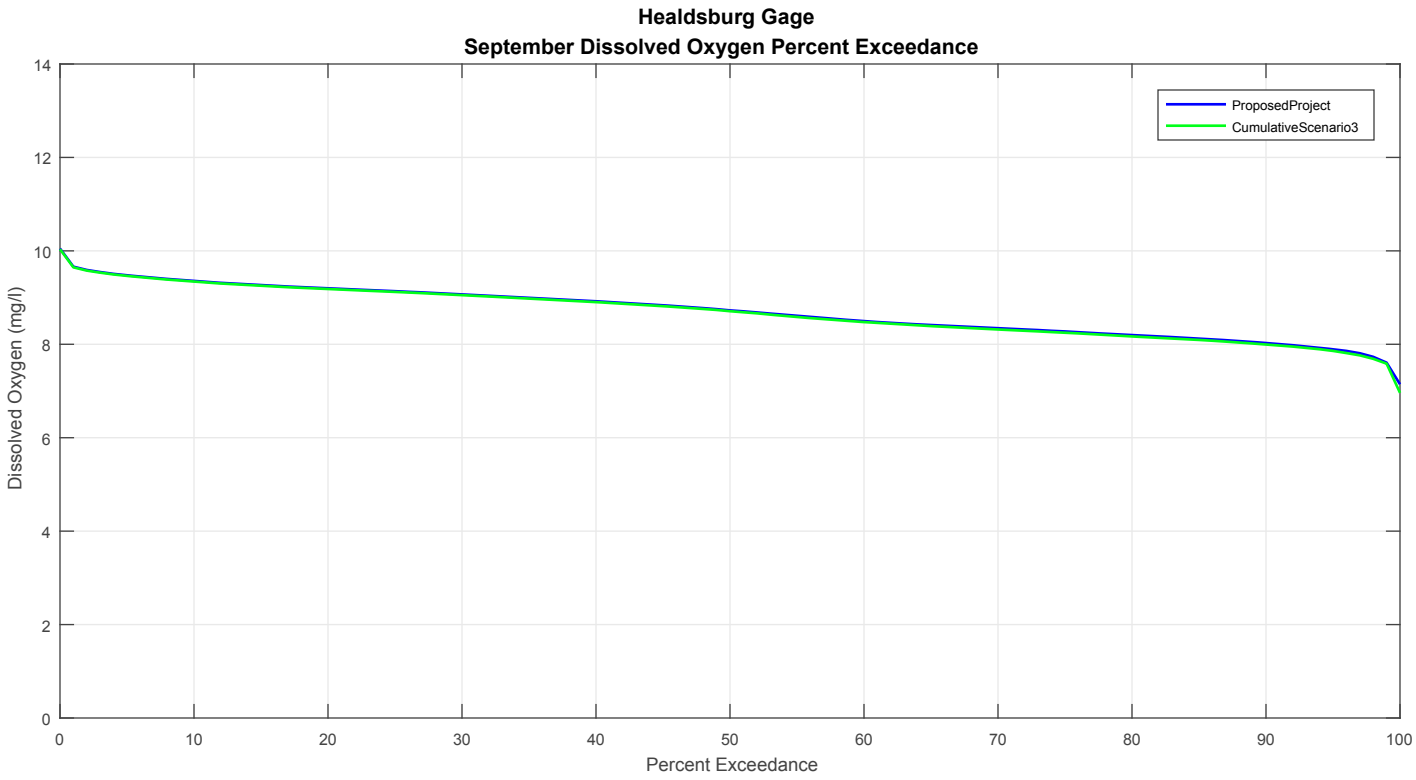
Healdsburg Gage
September Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
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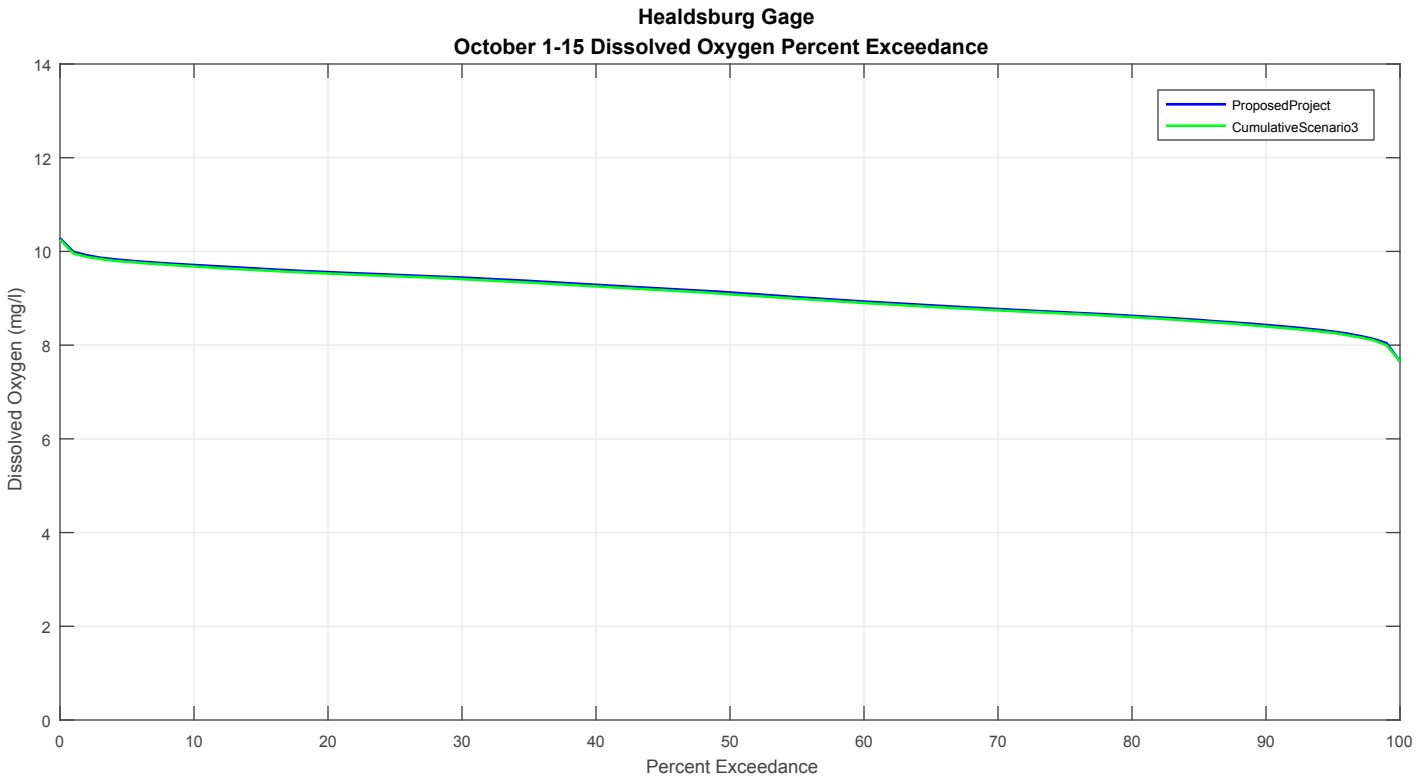
Healdsburg Gage
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
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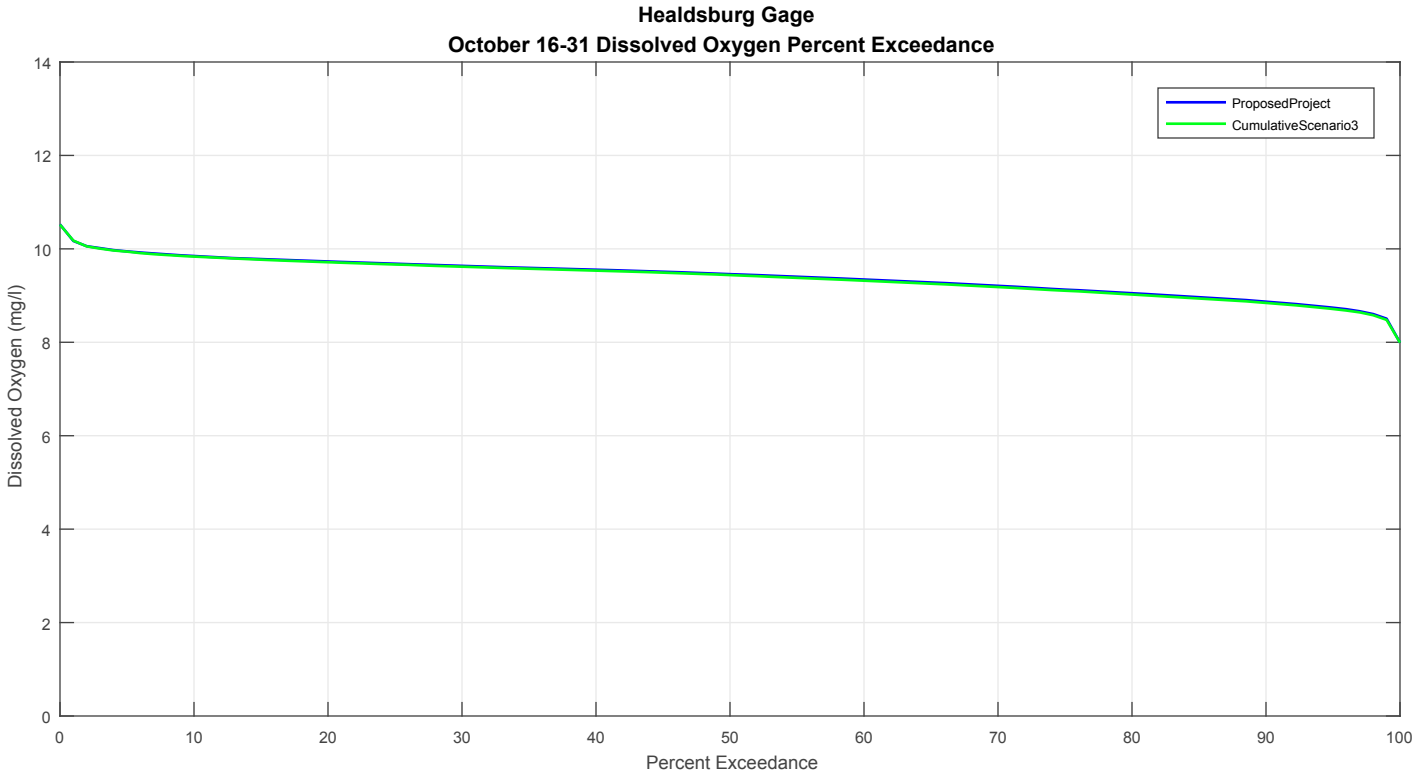
Healdsburg Gage
October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
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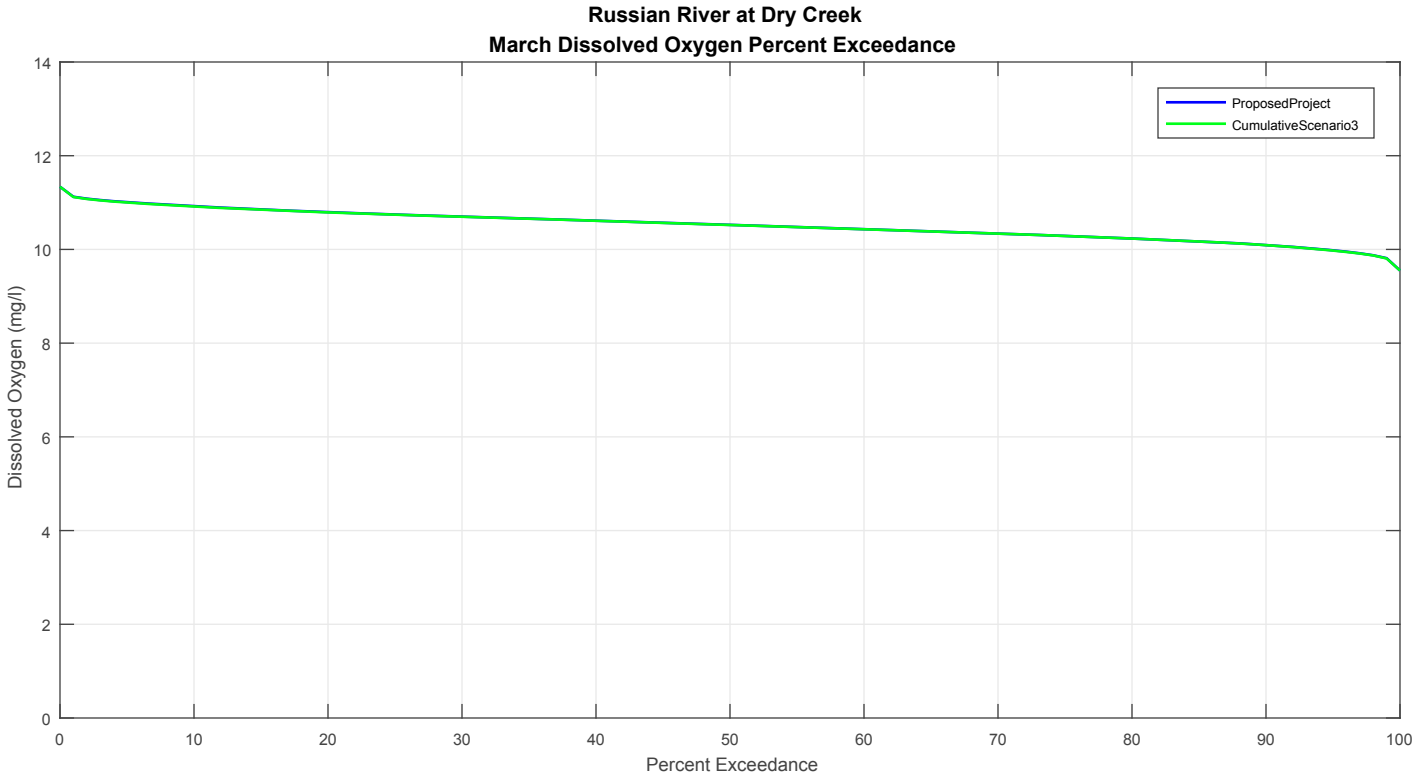
Russian River at Dry Creek
March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
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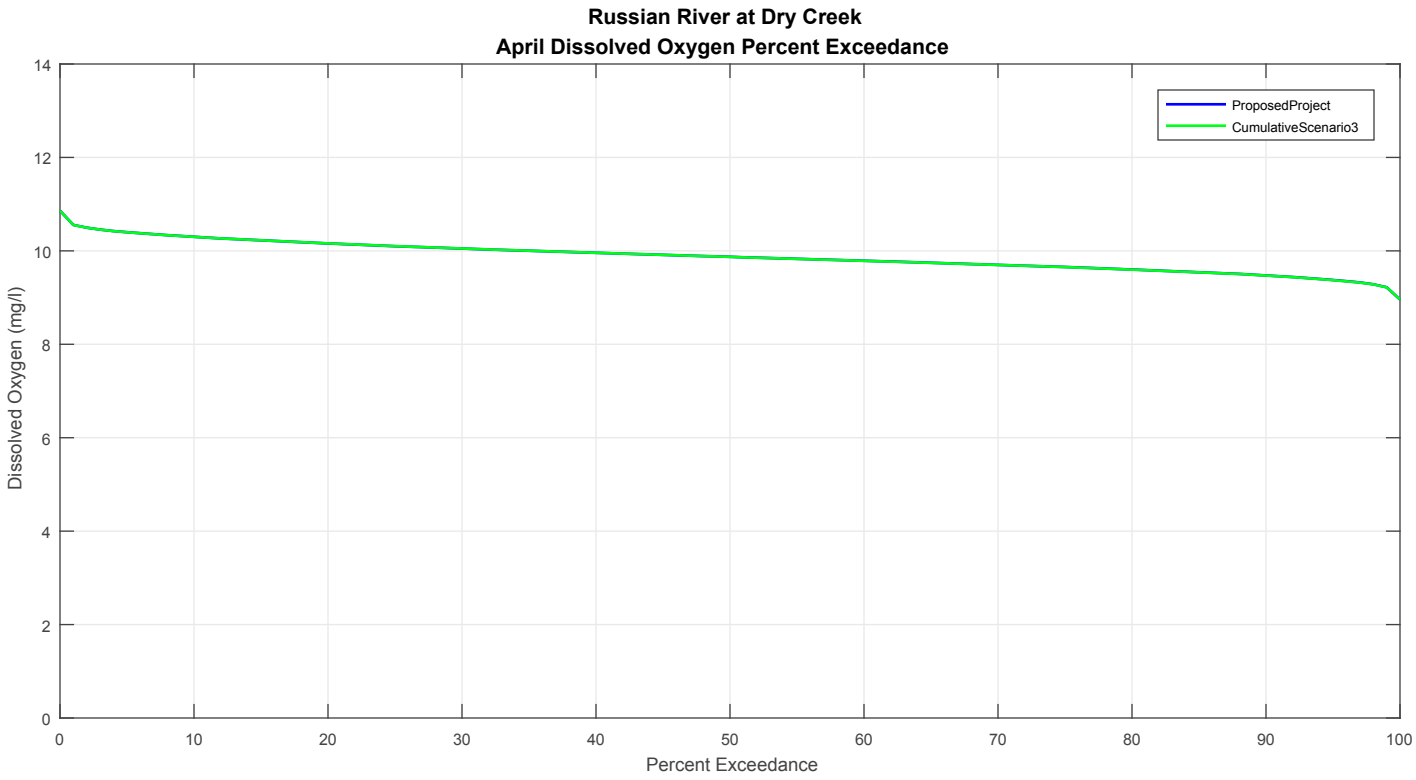
Russian River at Dry Creek
April Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
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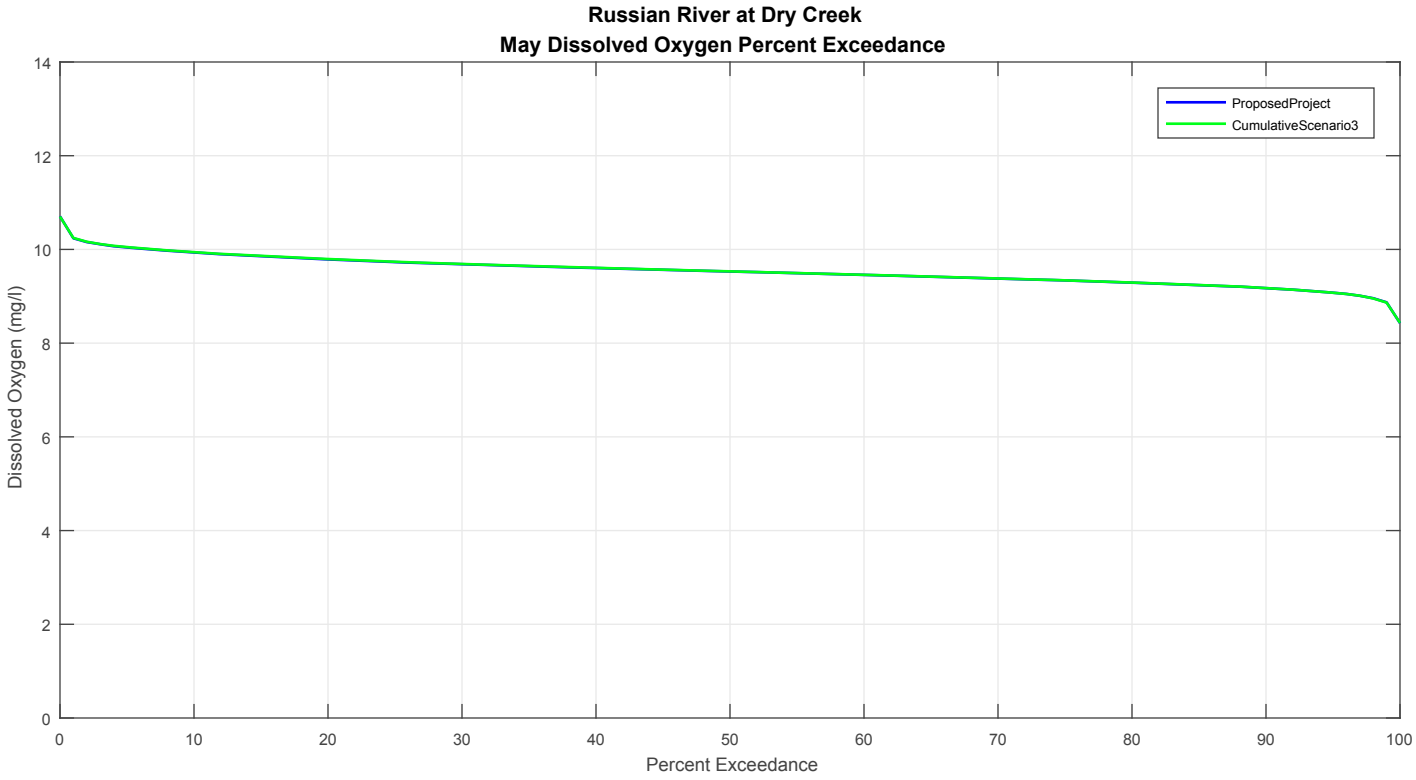
Russian River at Dry Creek
May Dissolved Oxygen Percent Exceedance
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CumulativeScenario3
Dissolved Oxygen (mg/l)
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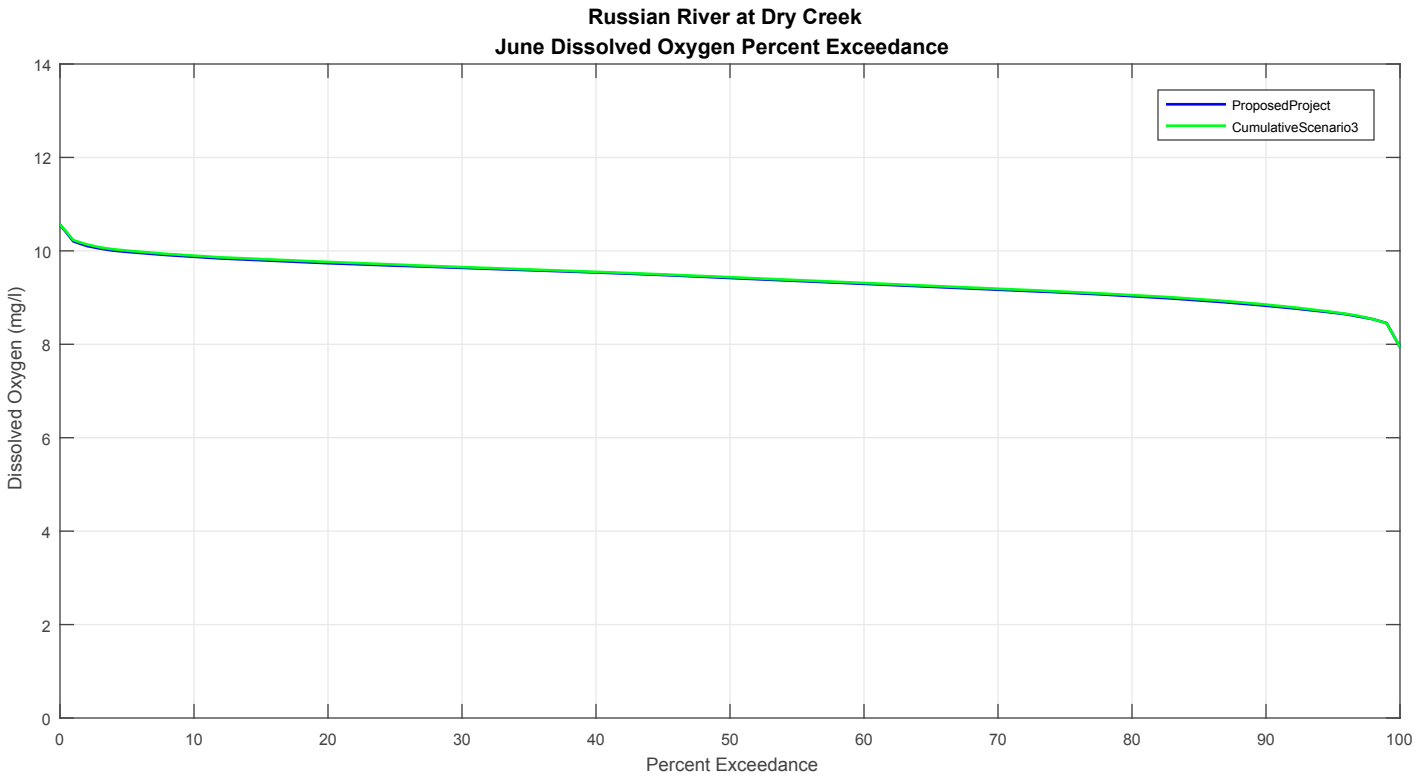
Russian River at Dry Creek
June Dissolved Oxygen Percent Exceedance
ProposedProject
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Dissolved Oxygen (mg/l)
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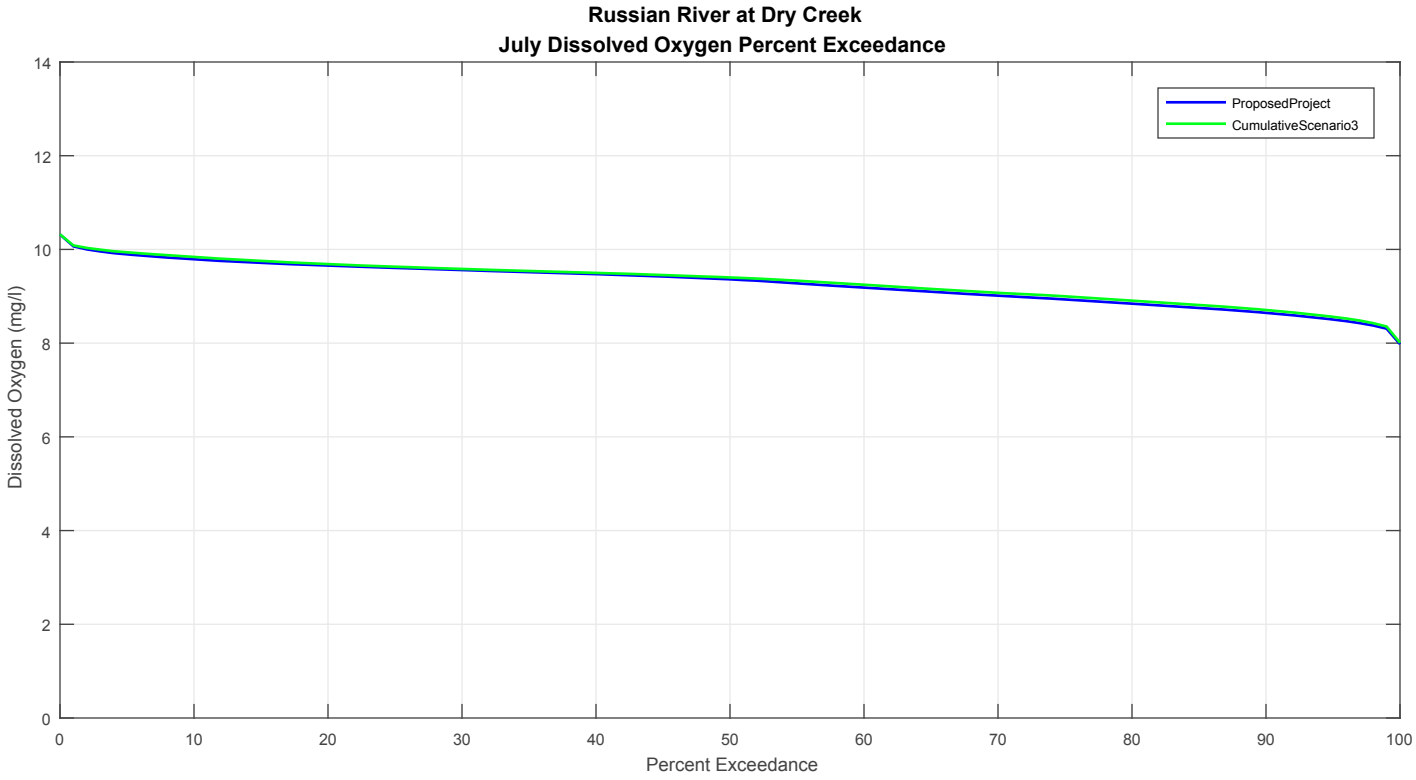
Russian River at Dry Creek
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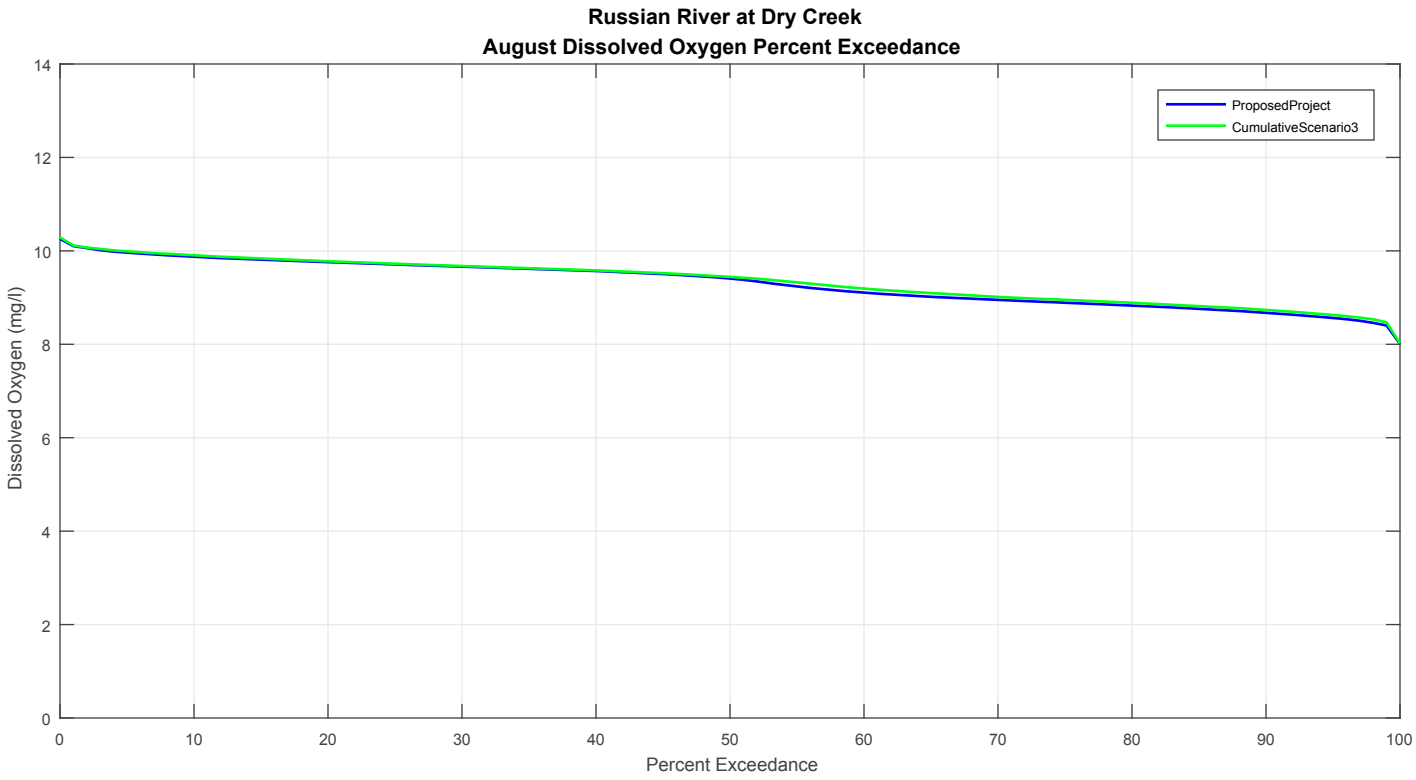
Russian River at Dry Creek
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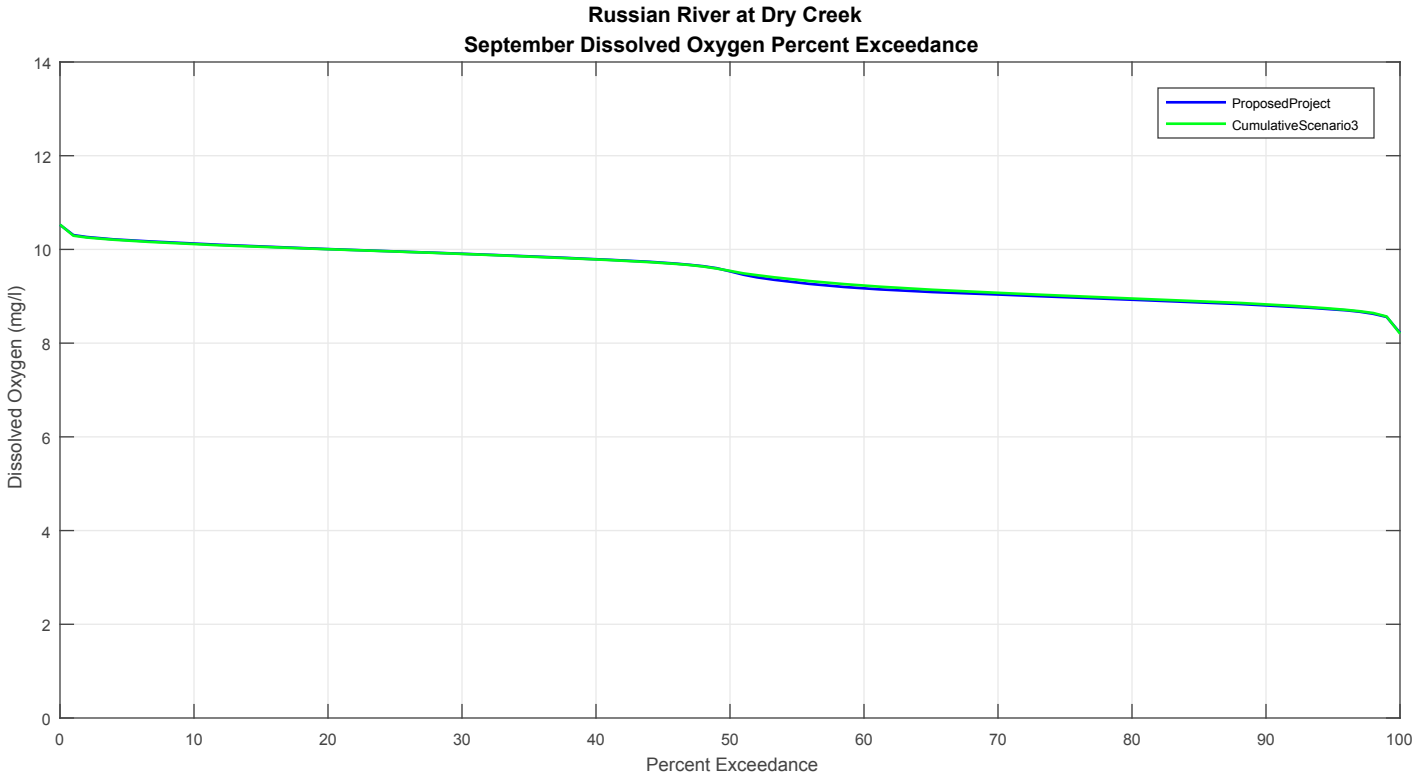
Russian River at Dry Creek
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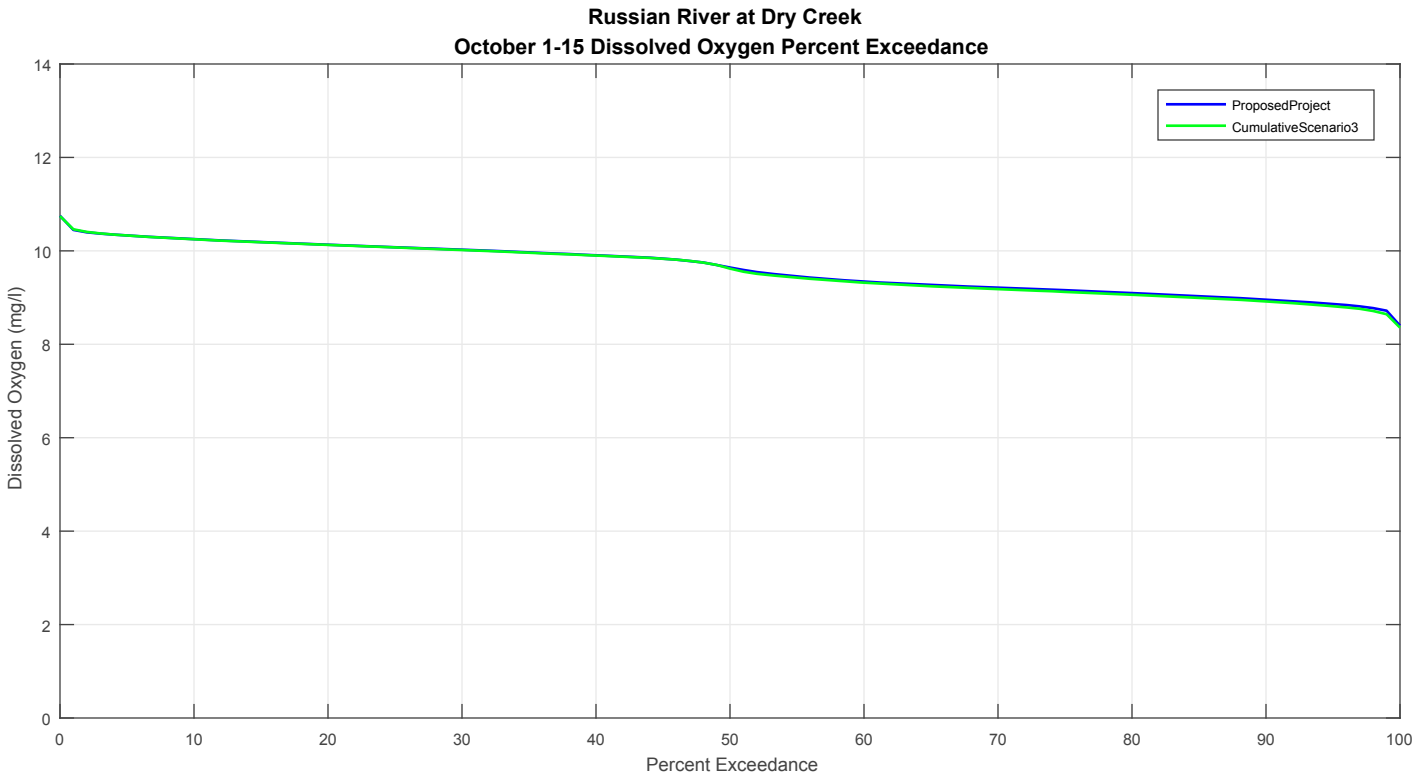
Russian River at Dry Creek
October 1-15 Dissolved Oxygen Percent Exceedance
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CumulativeScenario3
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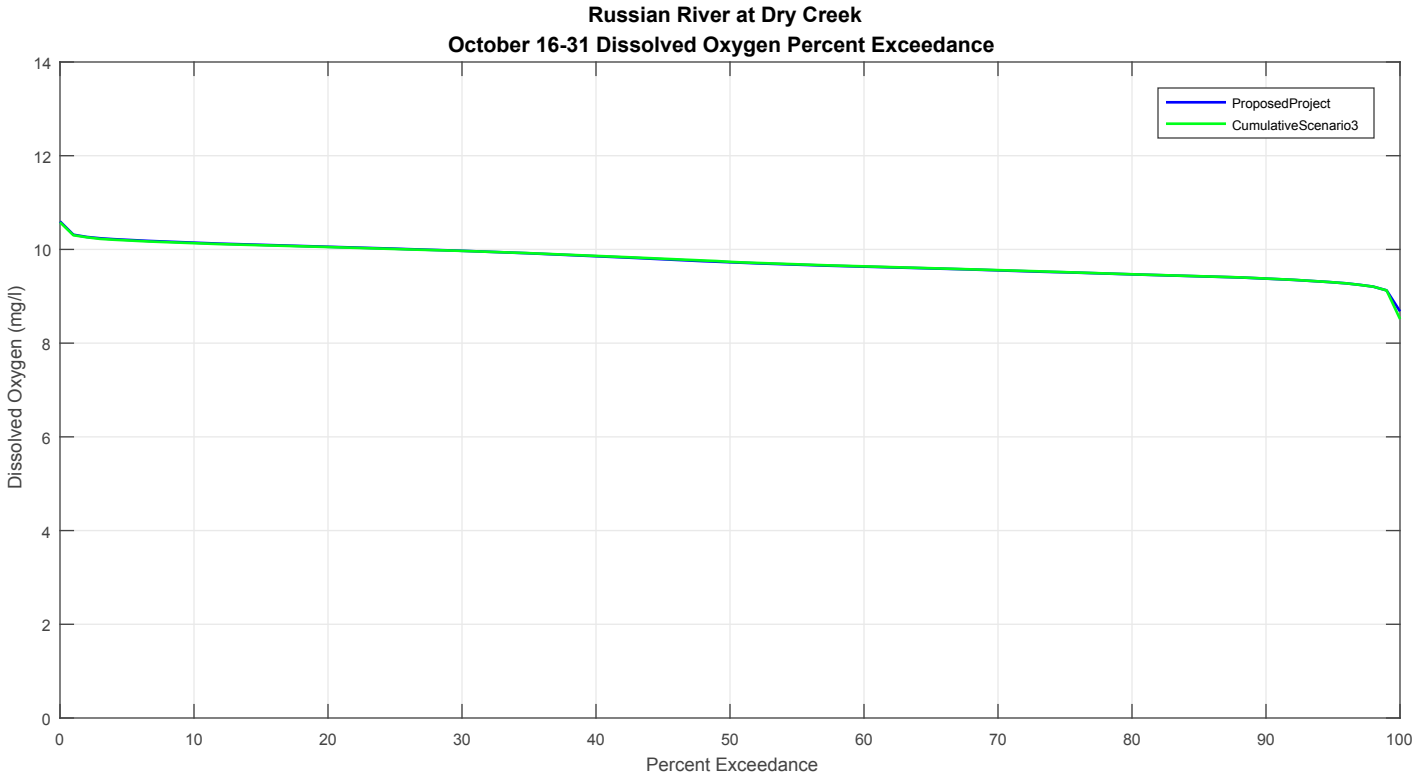
Russian River at Dry Creek
October 16-31 Dissolved Oxygen Percent Exceedance
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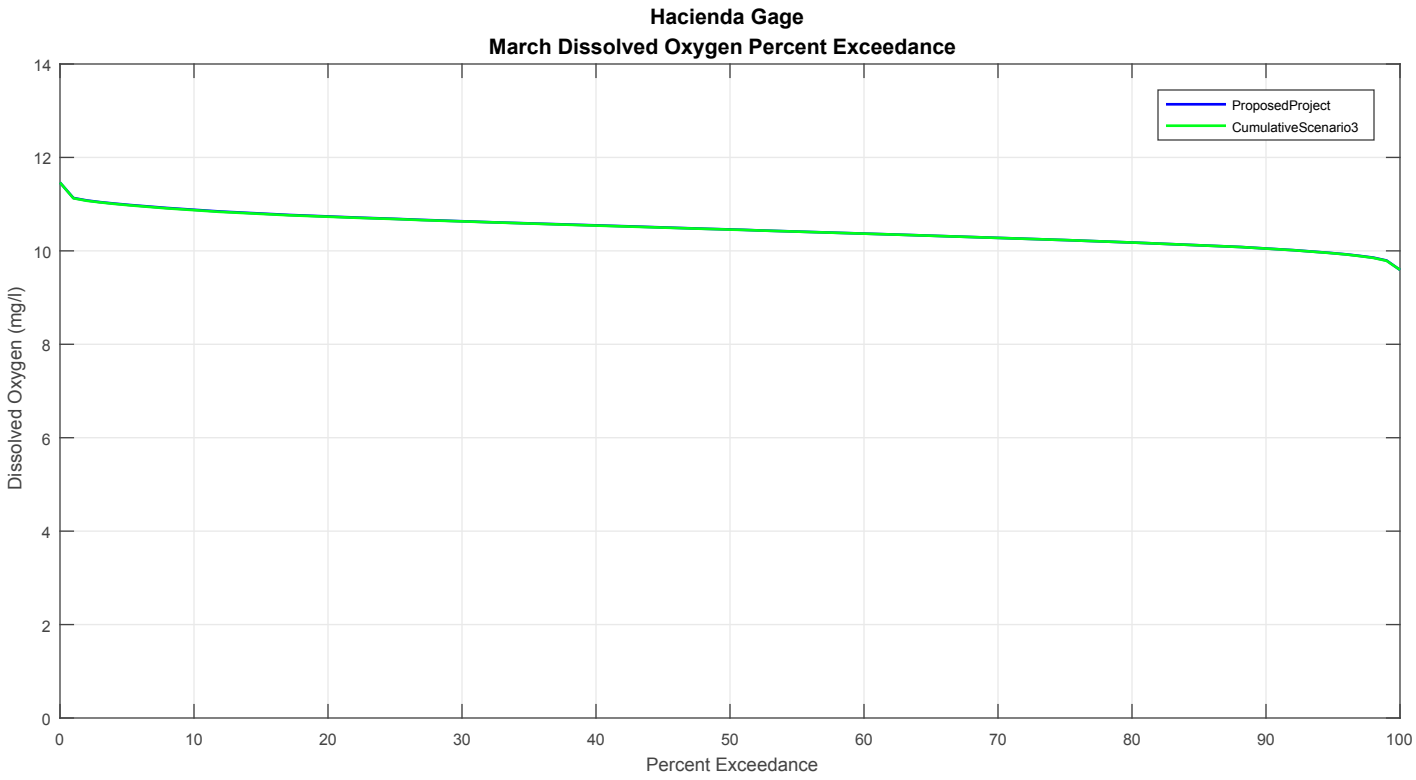
Hacienda Gage
March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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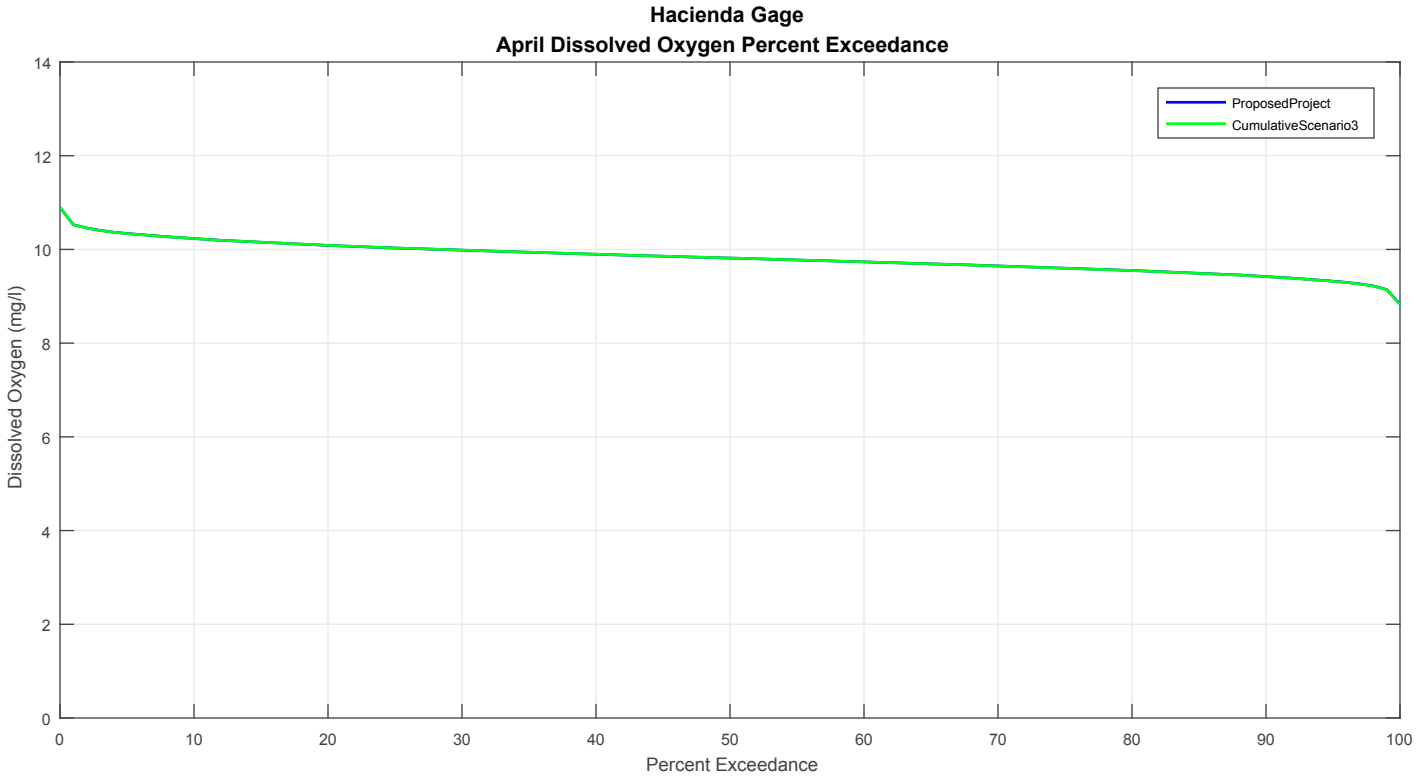
Hacienda Gage
April Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
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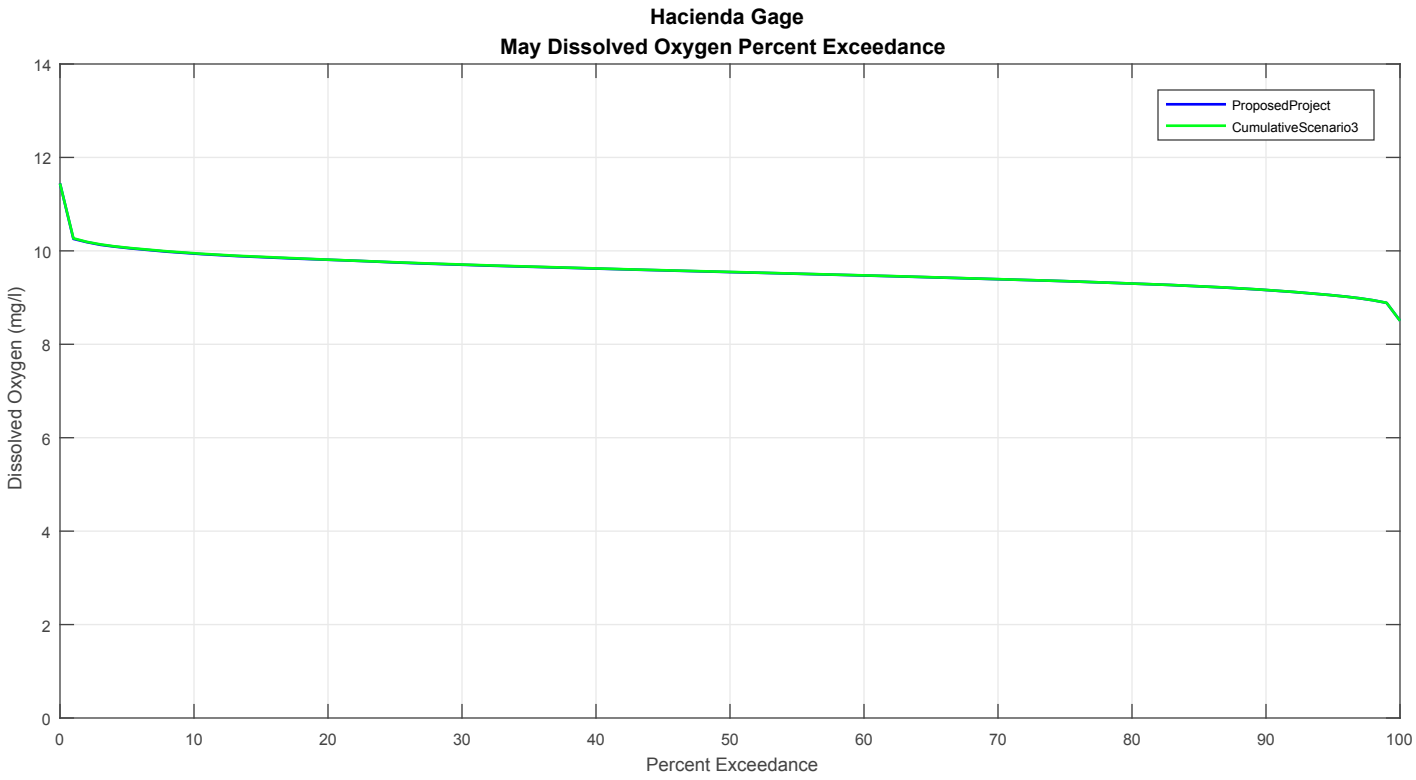
Hacienda Gage
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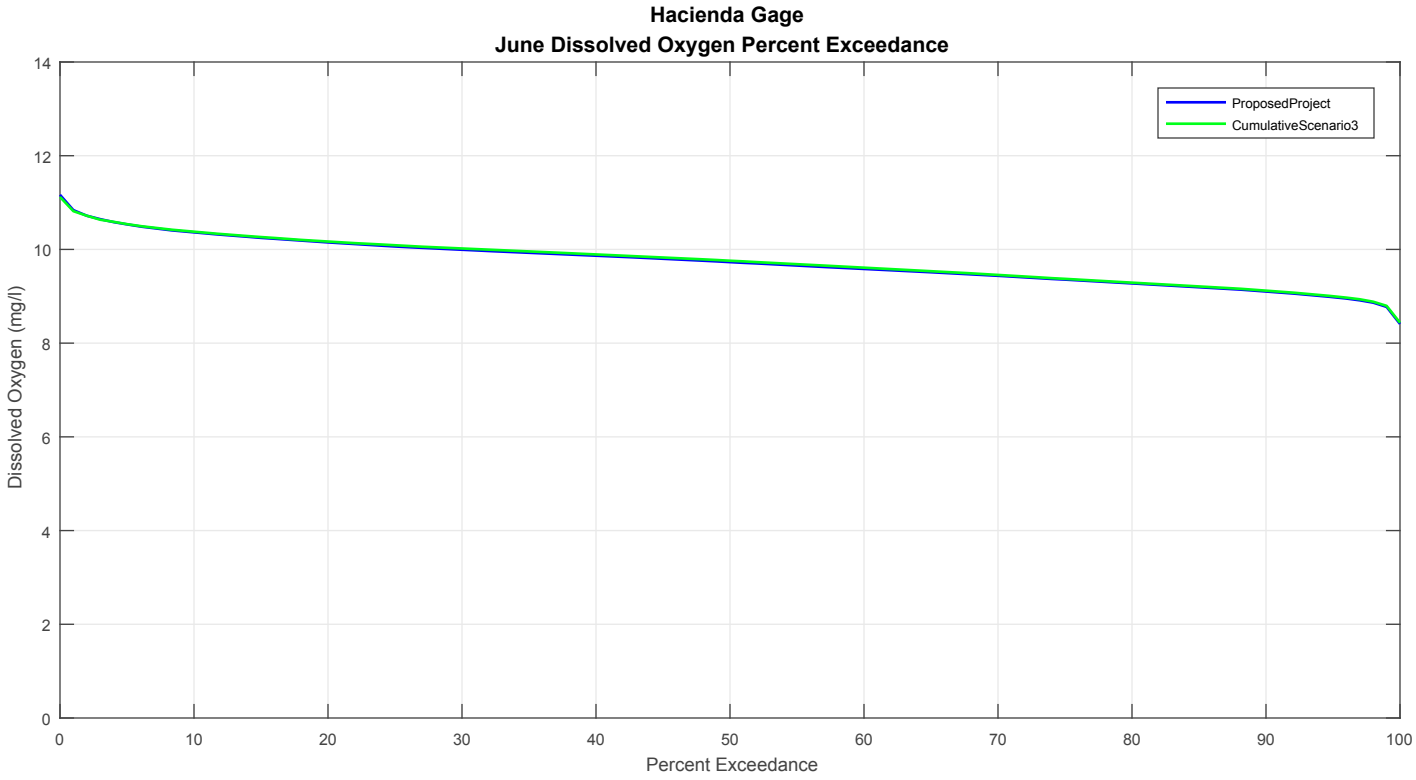
Hacienda Gage
June Dissolved Oxygen Percent Exceedance
ProposedProject
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Dissolved Oxygen (mg/l)
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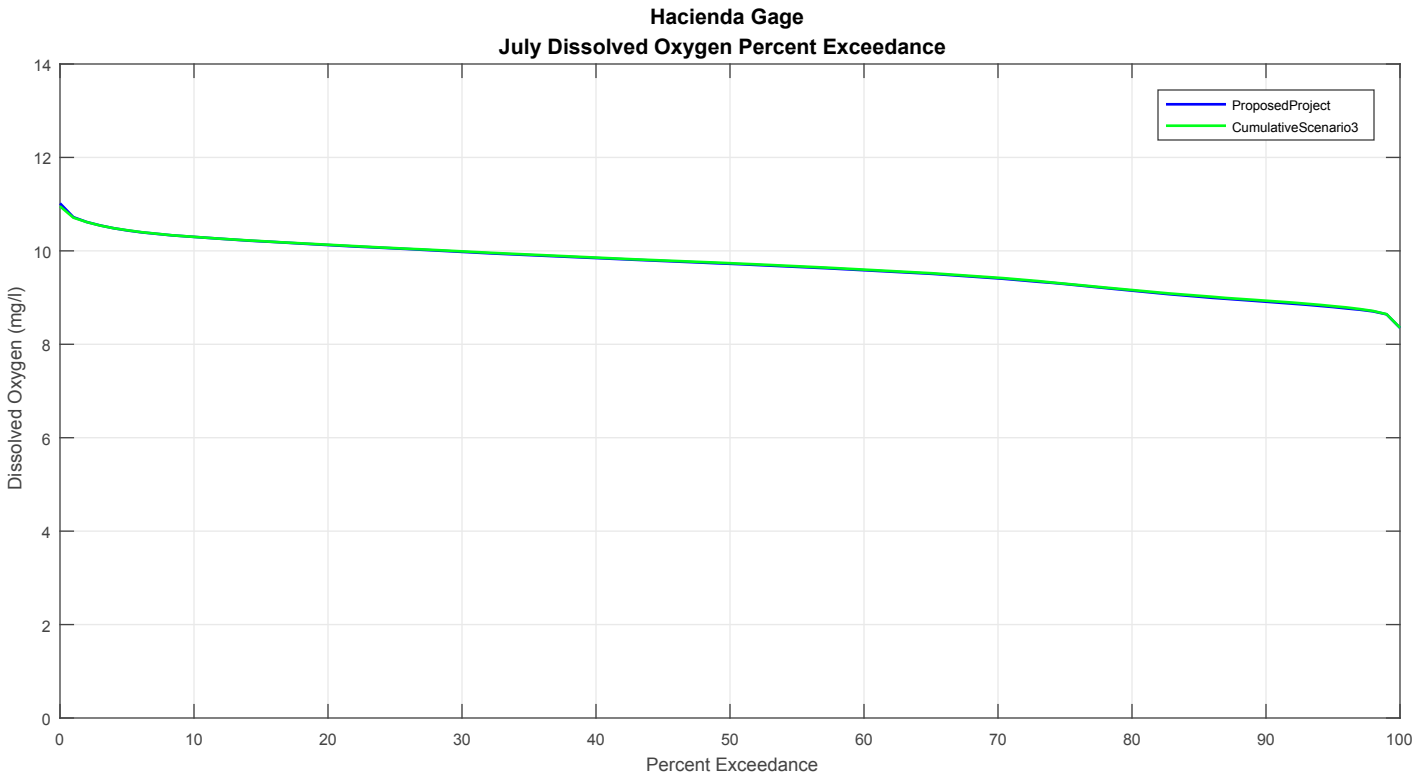
Hacienda Gage
July Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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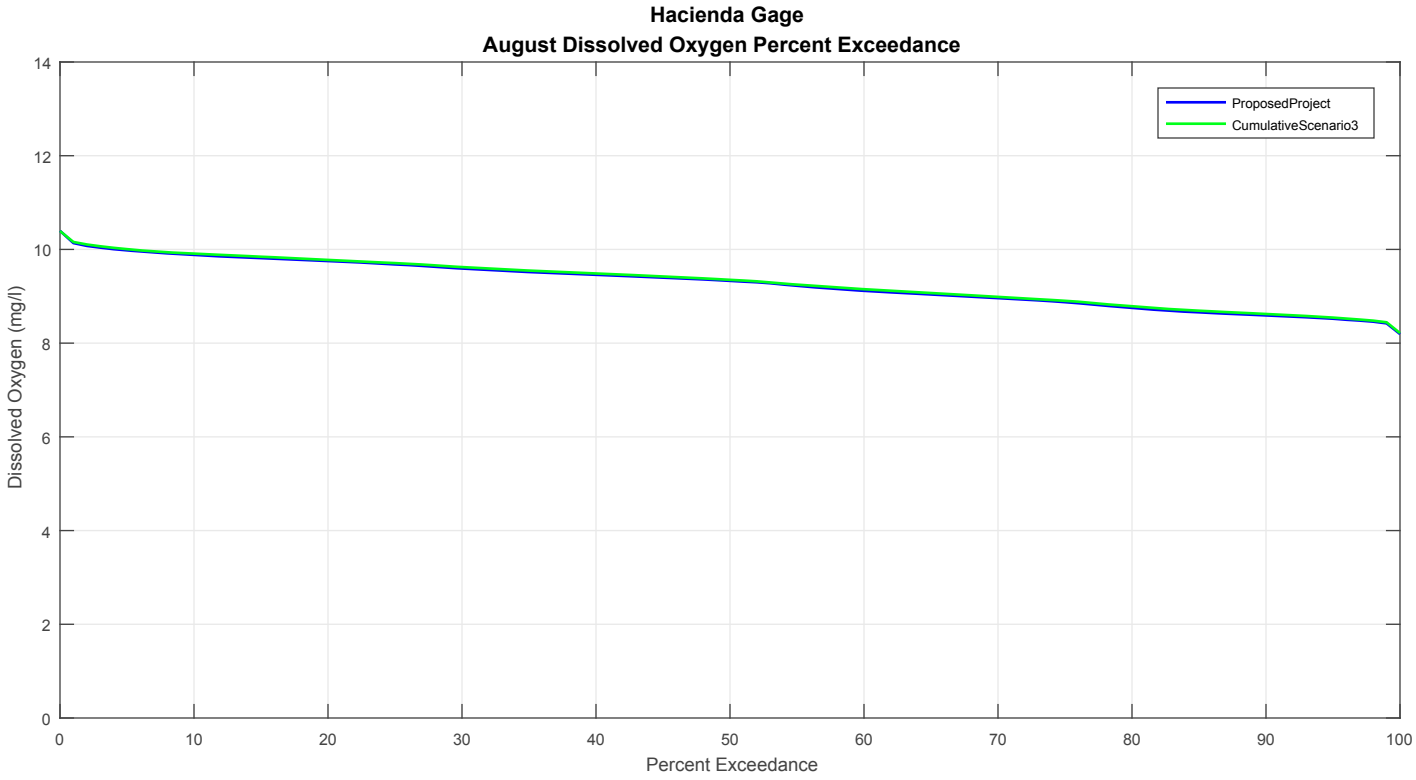
Hacienda Gage
August Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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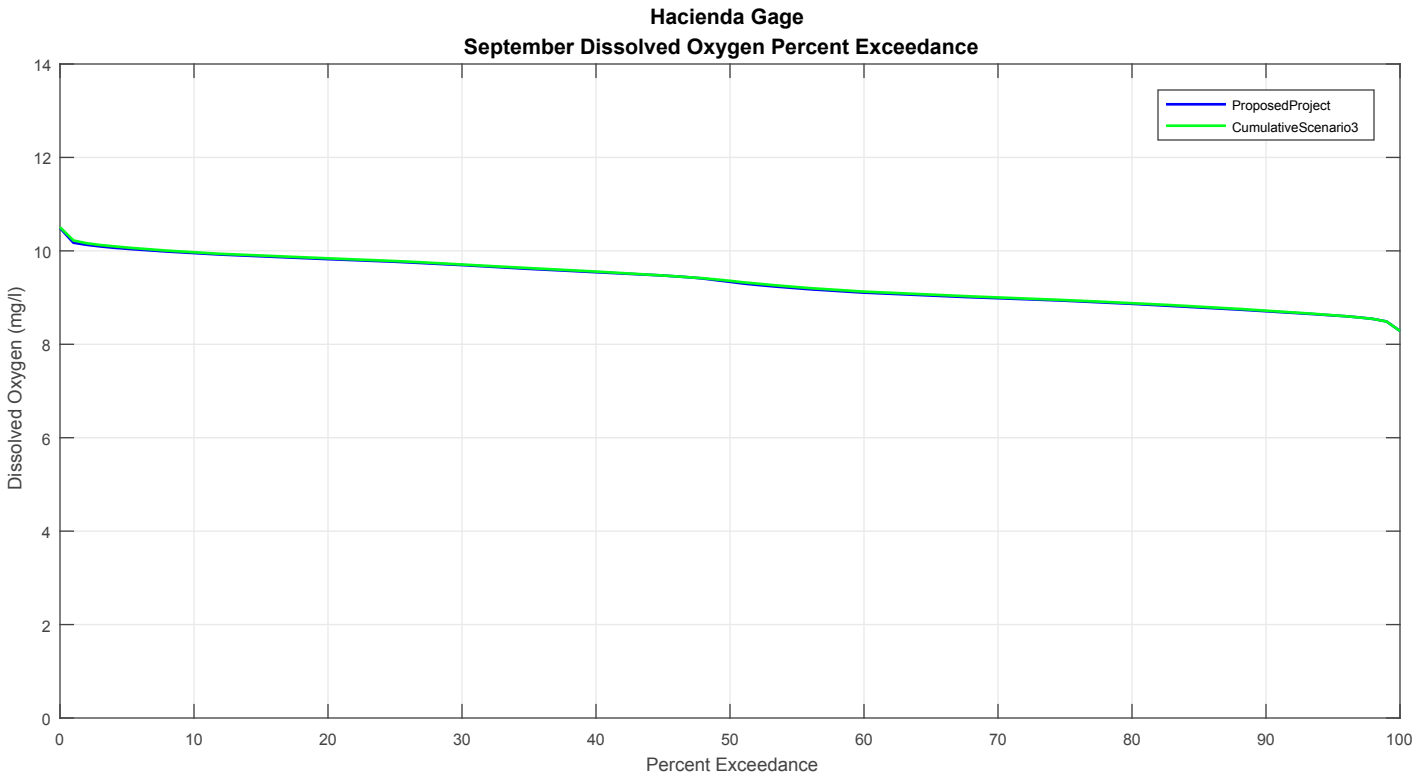
Hacienda Gage
September Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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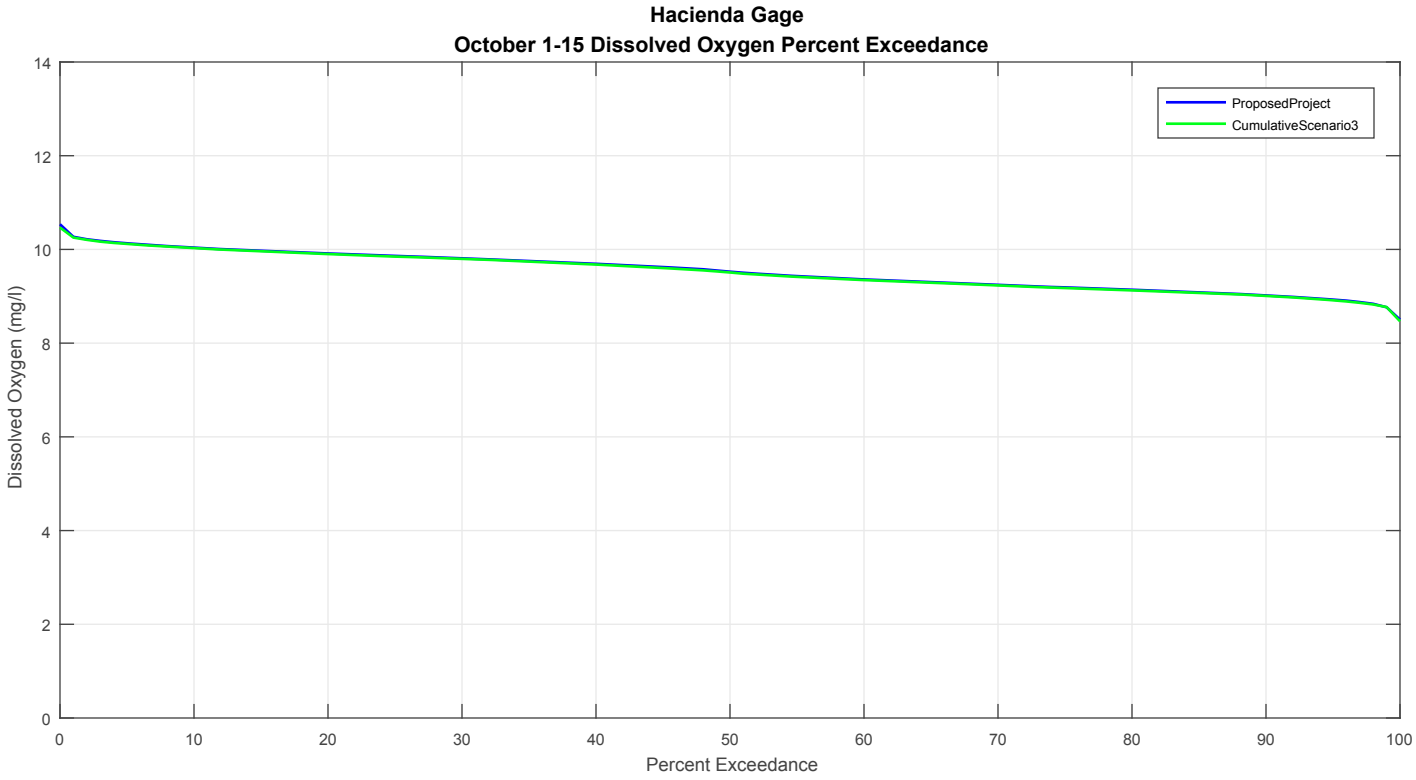
Hacienda Gage
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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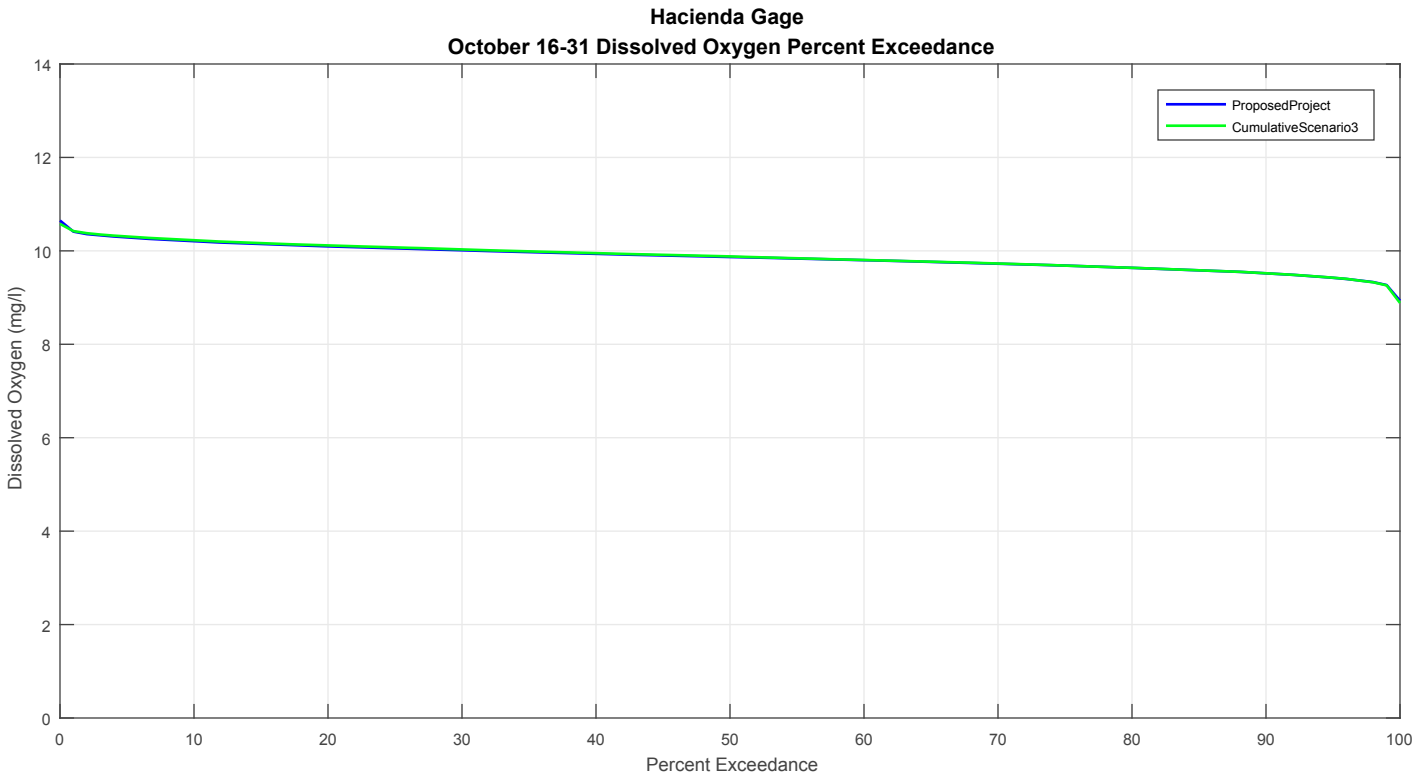
Hacienda Gage
October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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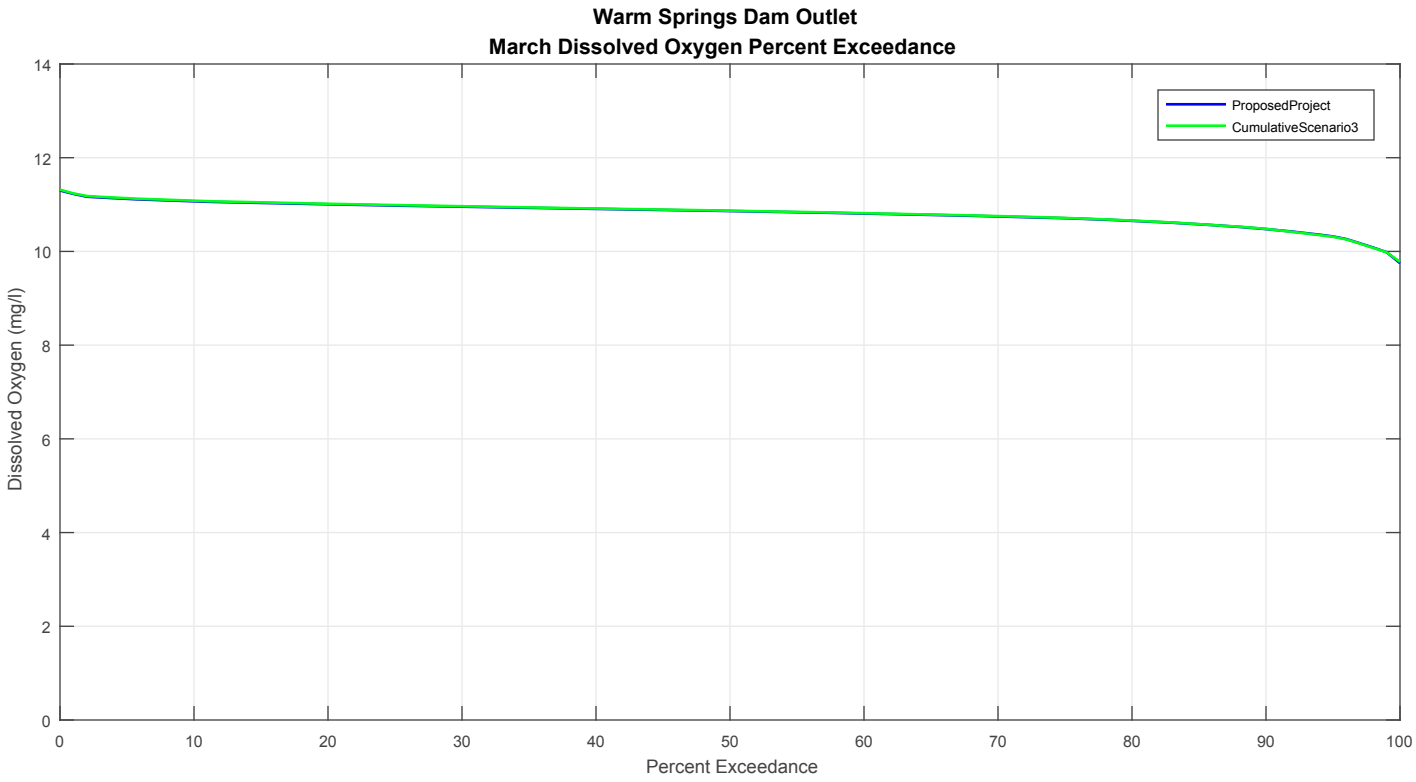
Warm Springs Dam Outlet
March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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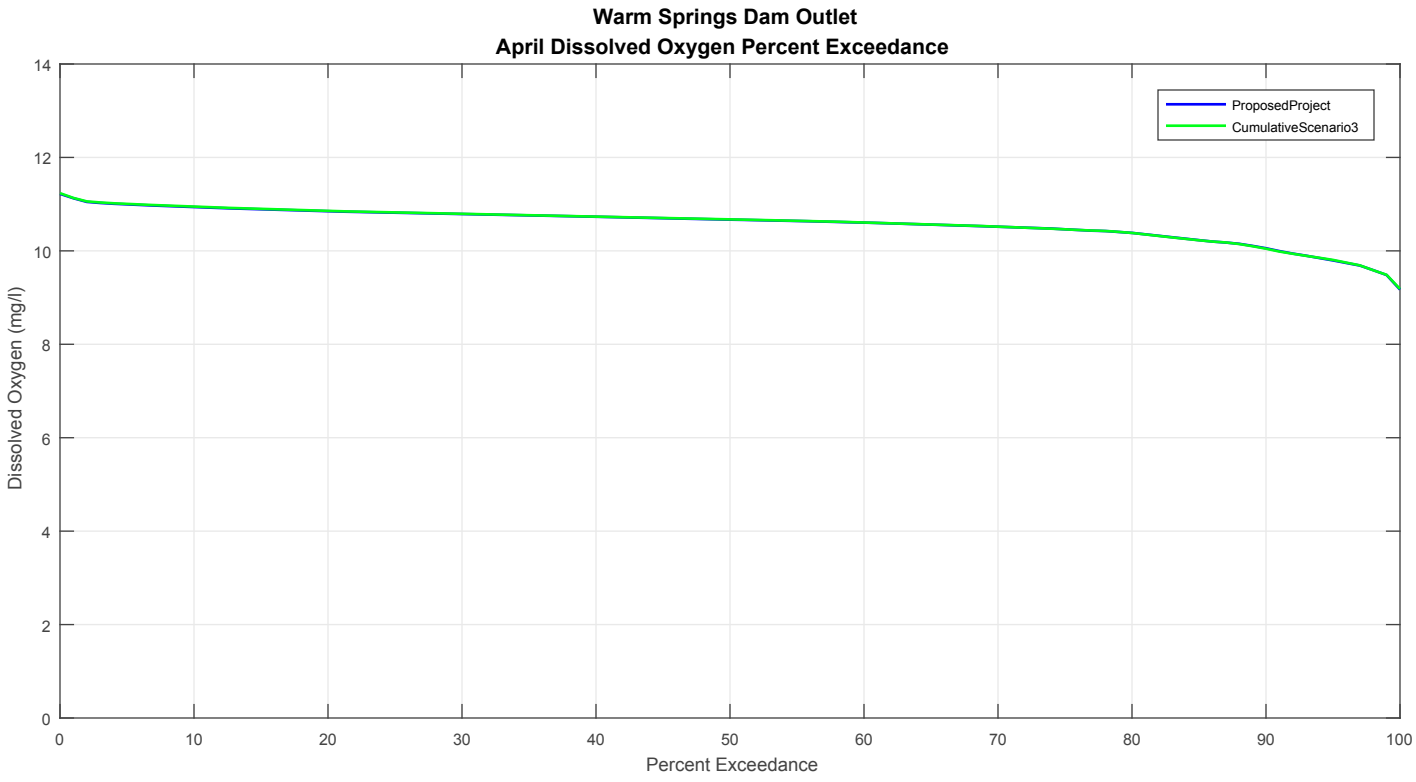
Warm Springs Dam Outlet
April Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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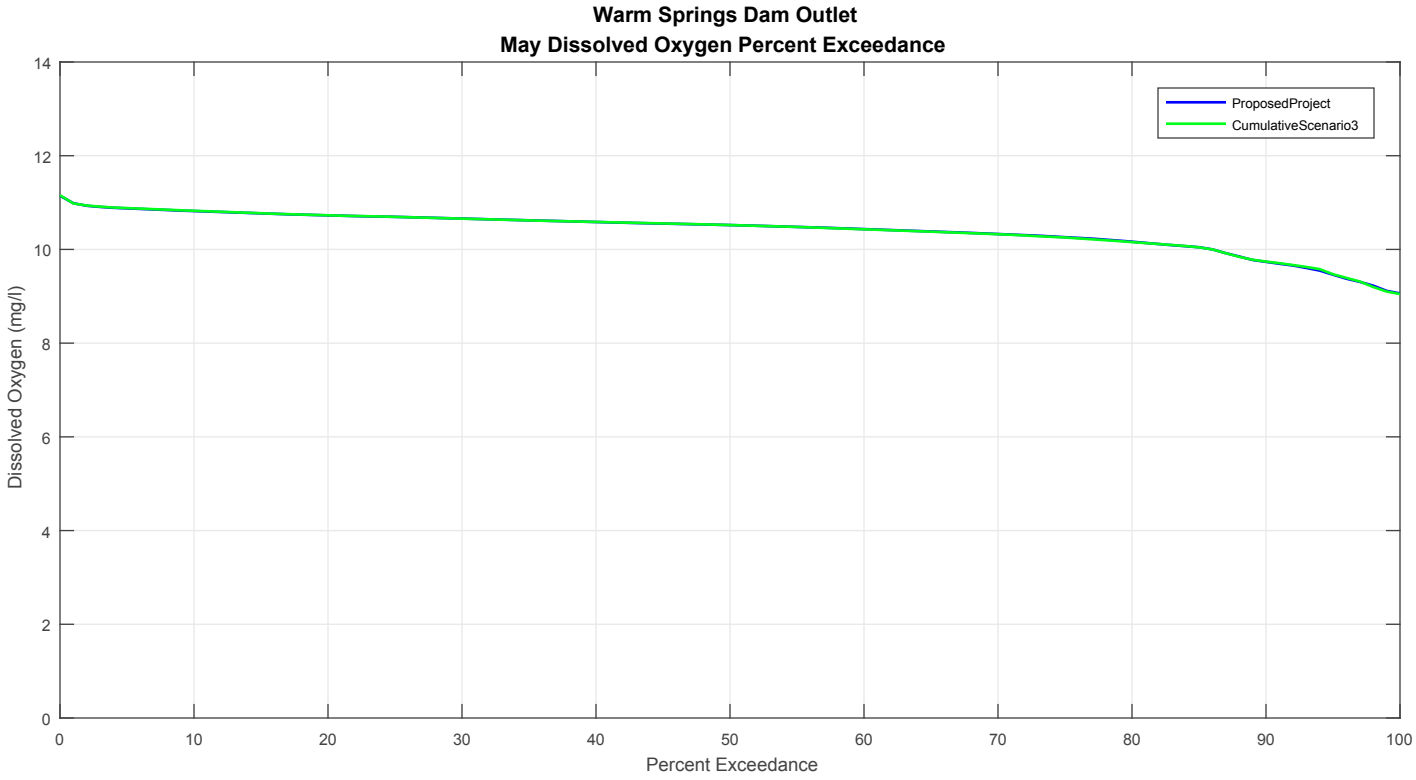
Warm Springs Dam Outlet
May Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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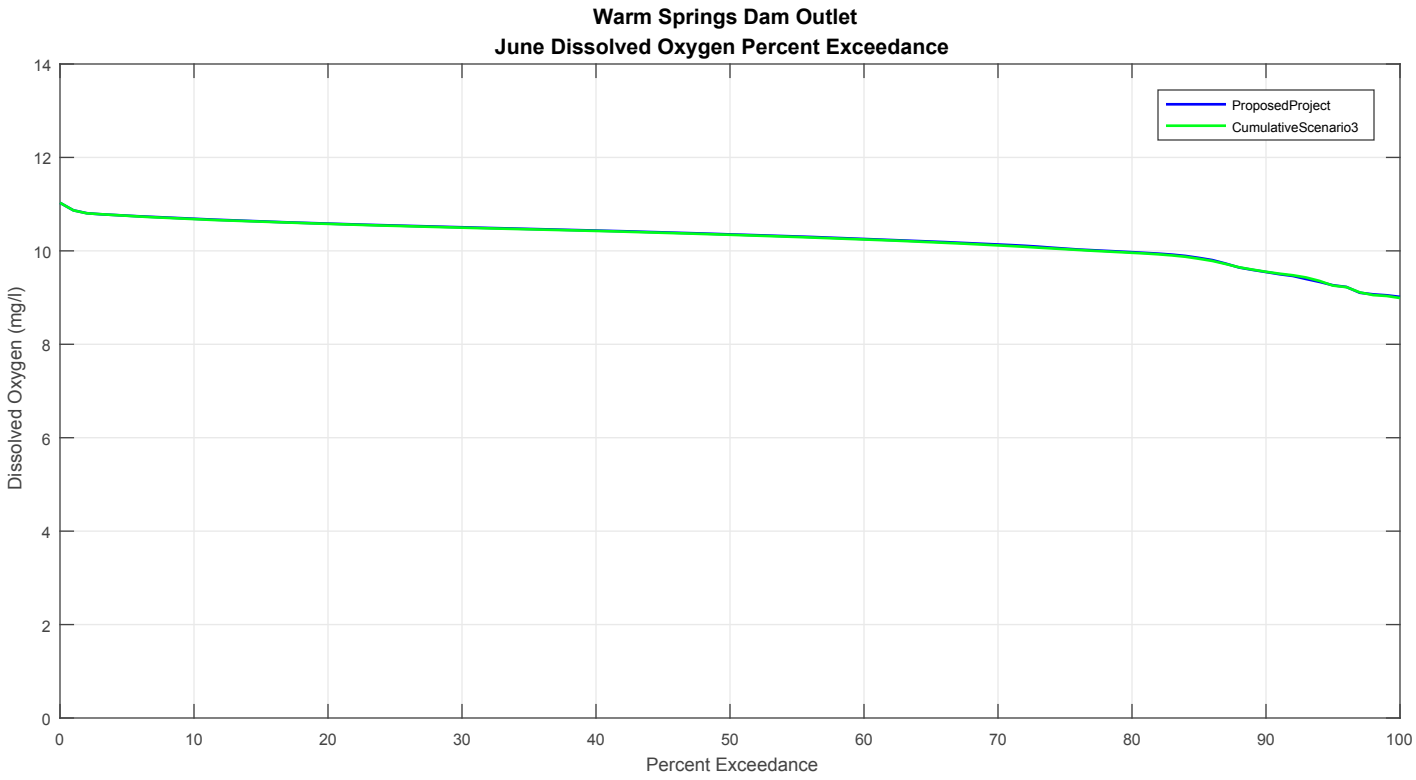
Warm Springs Dam Outlet
June Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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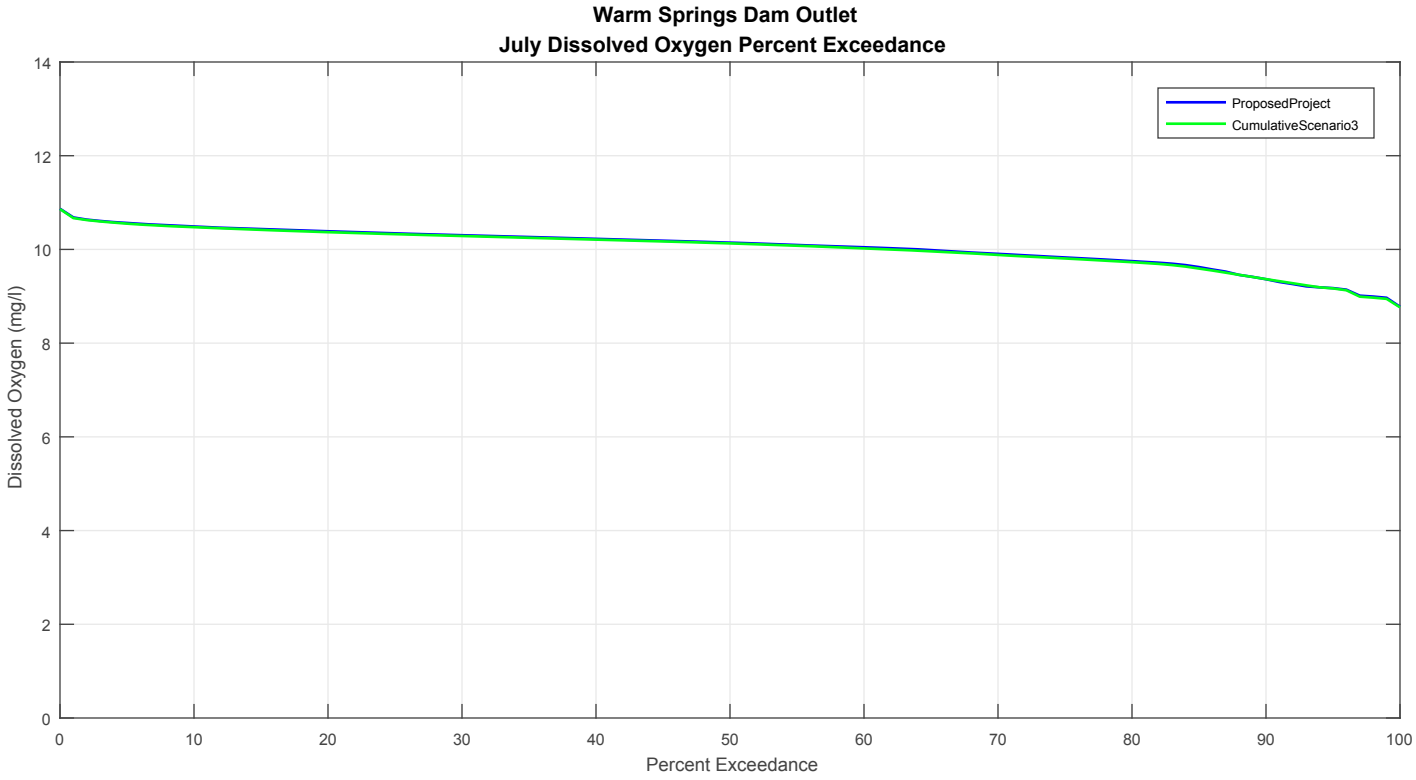
Warm Springs Dam Outlet
July Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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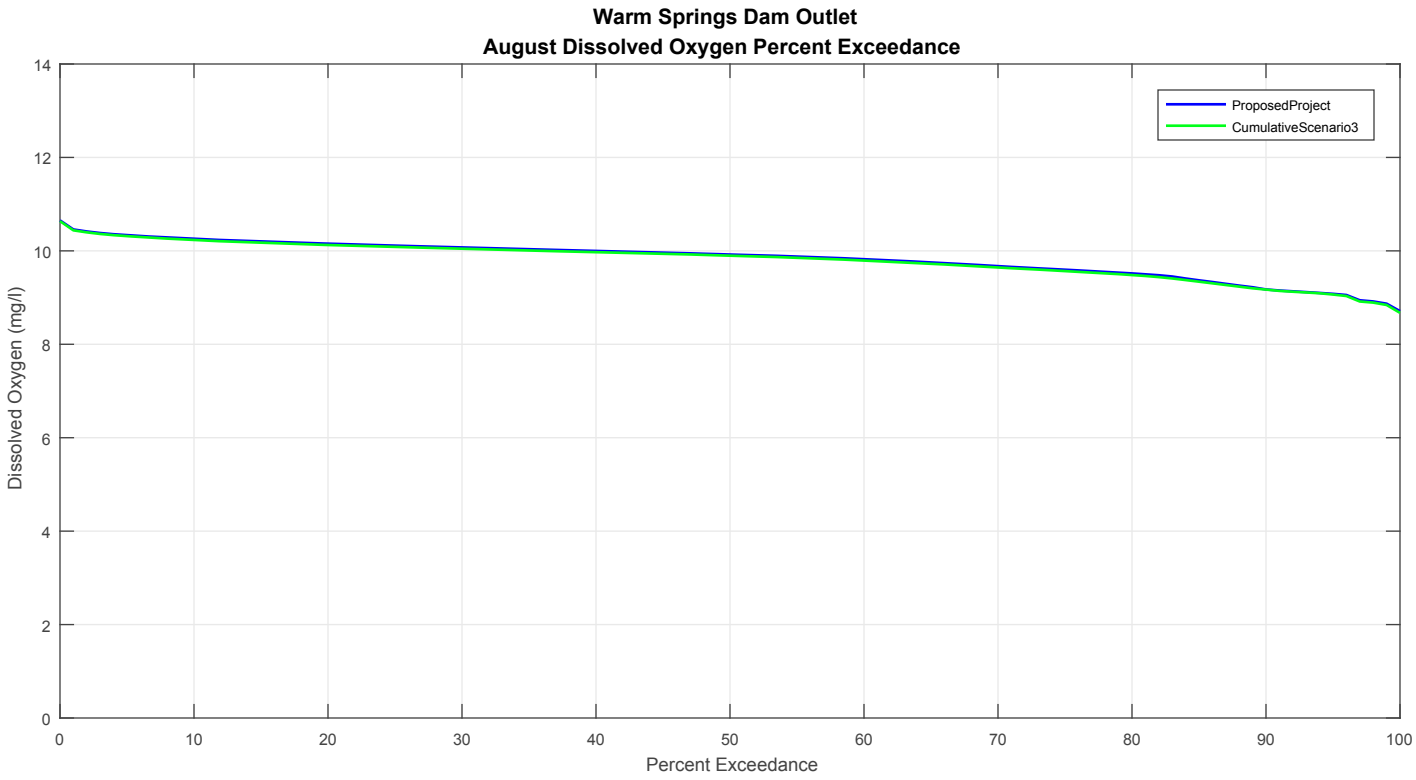
Warm Springs Dam Outlet
August Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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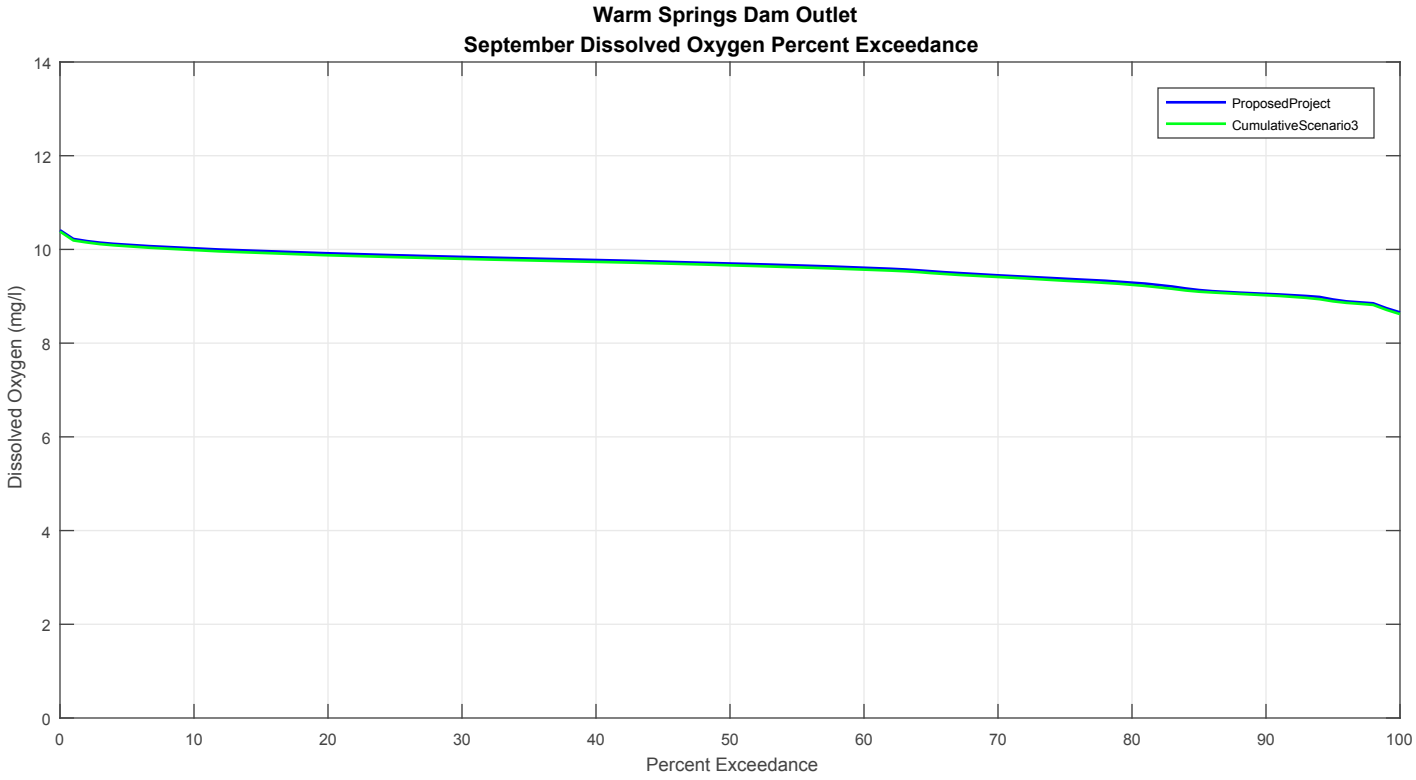
Warm Springs Dam Outlet
September Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
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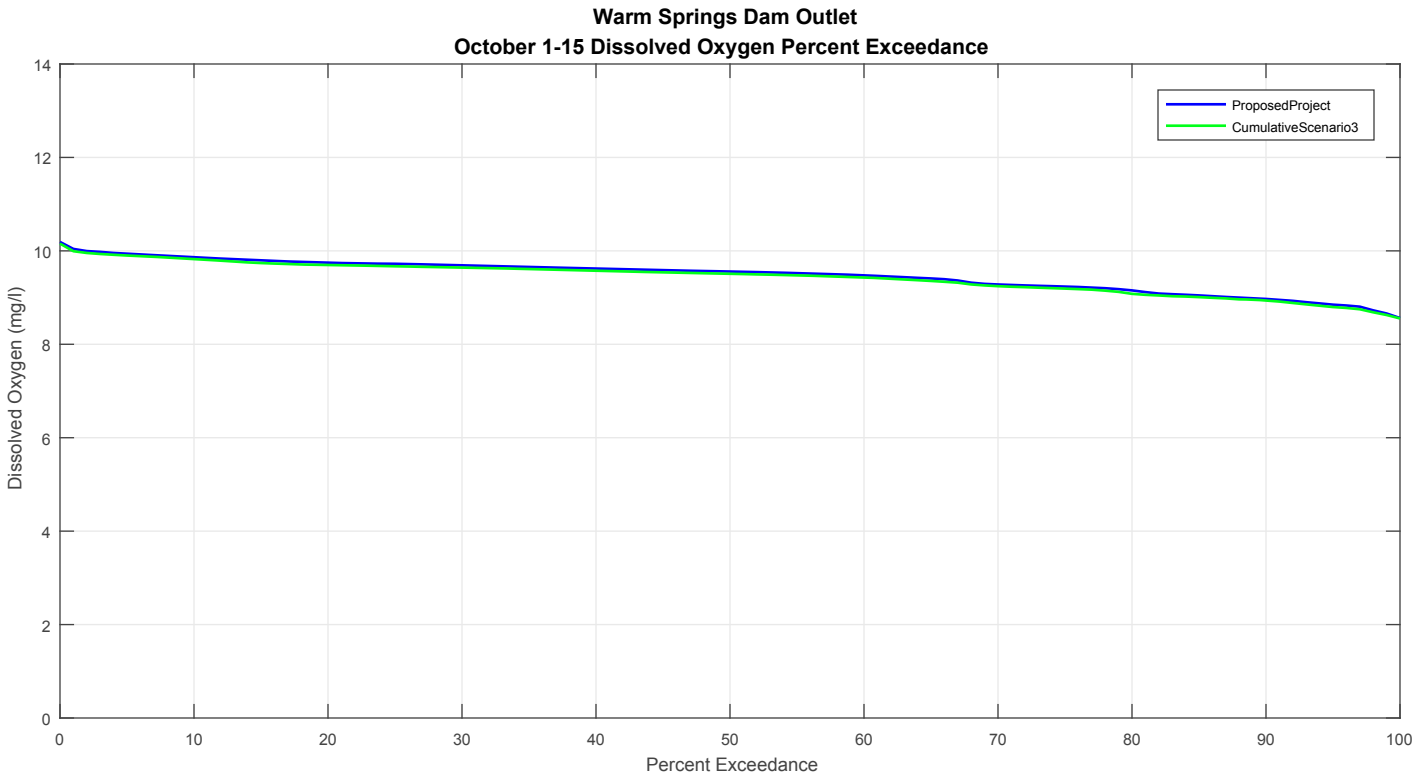
Warm Springs Dam Outlet
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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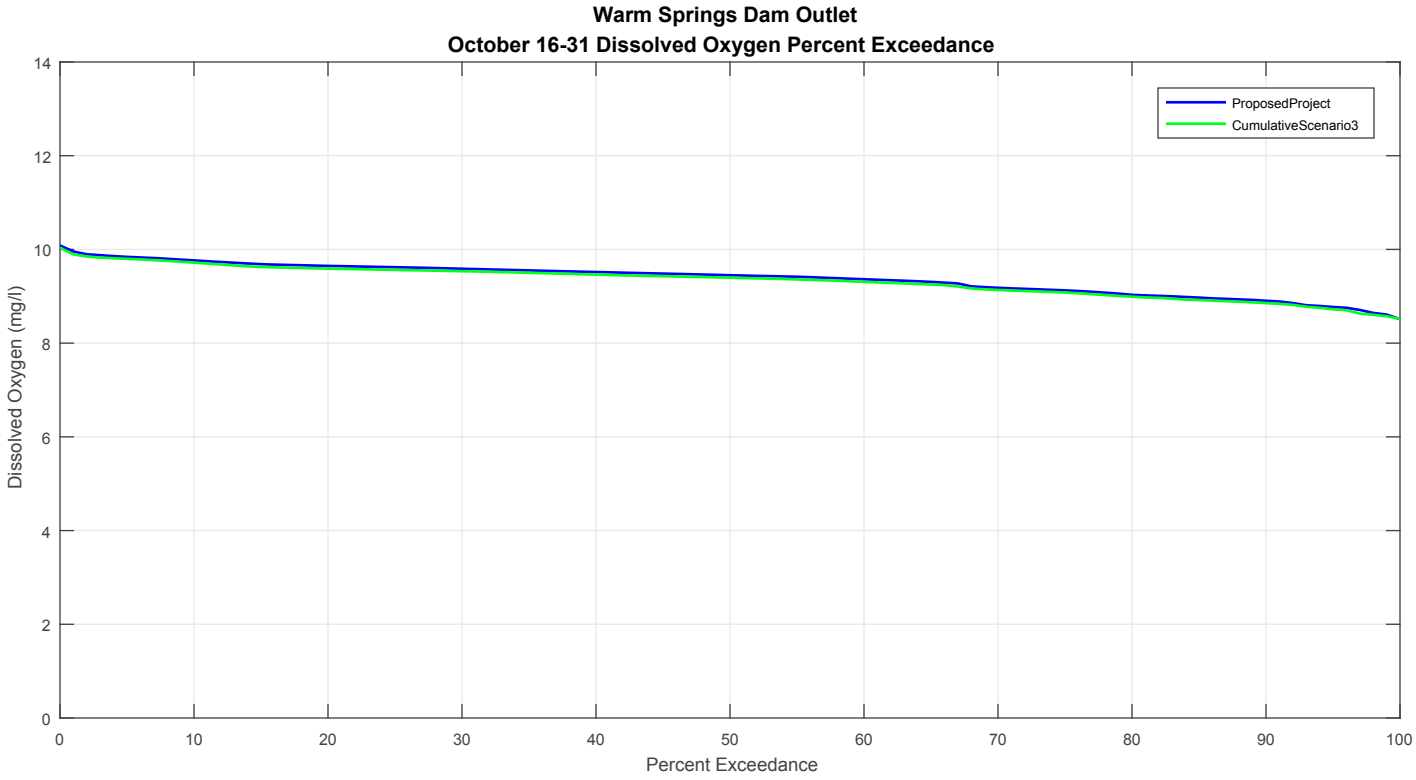
Warm Springs Dam Outlet
October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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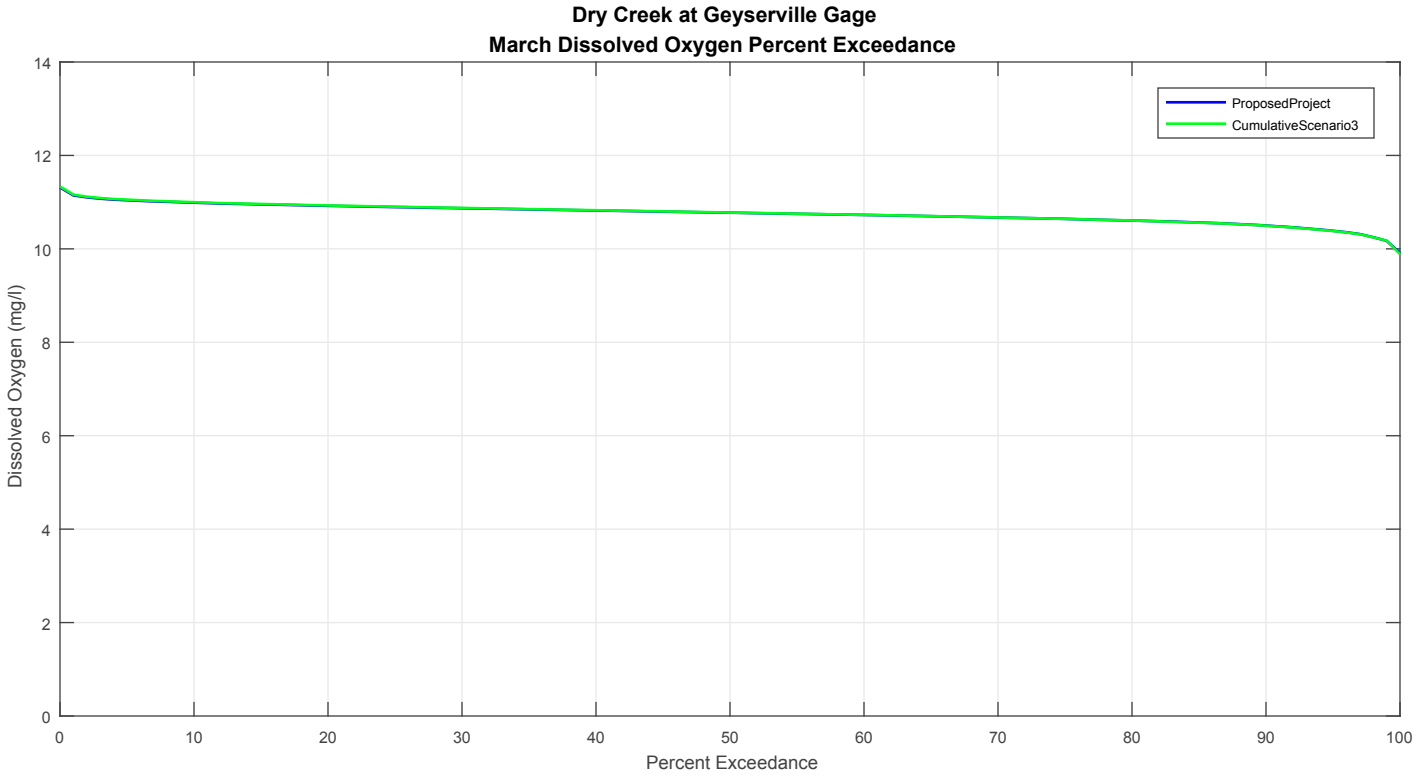
Dry Creek at Geyserville Gage
March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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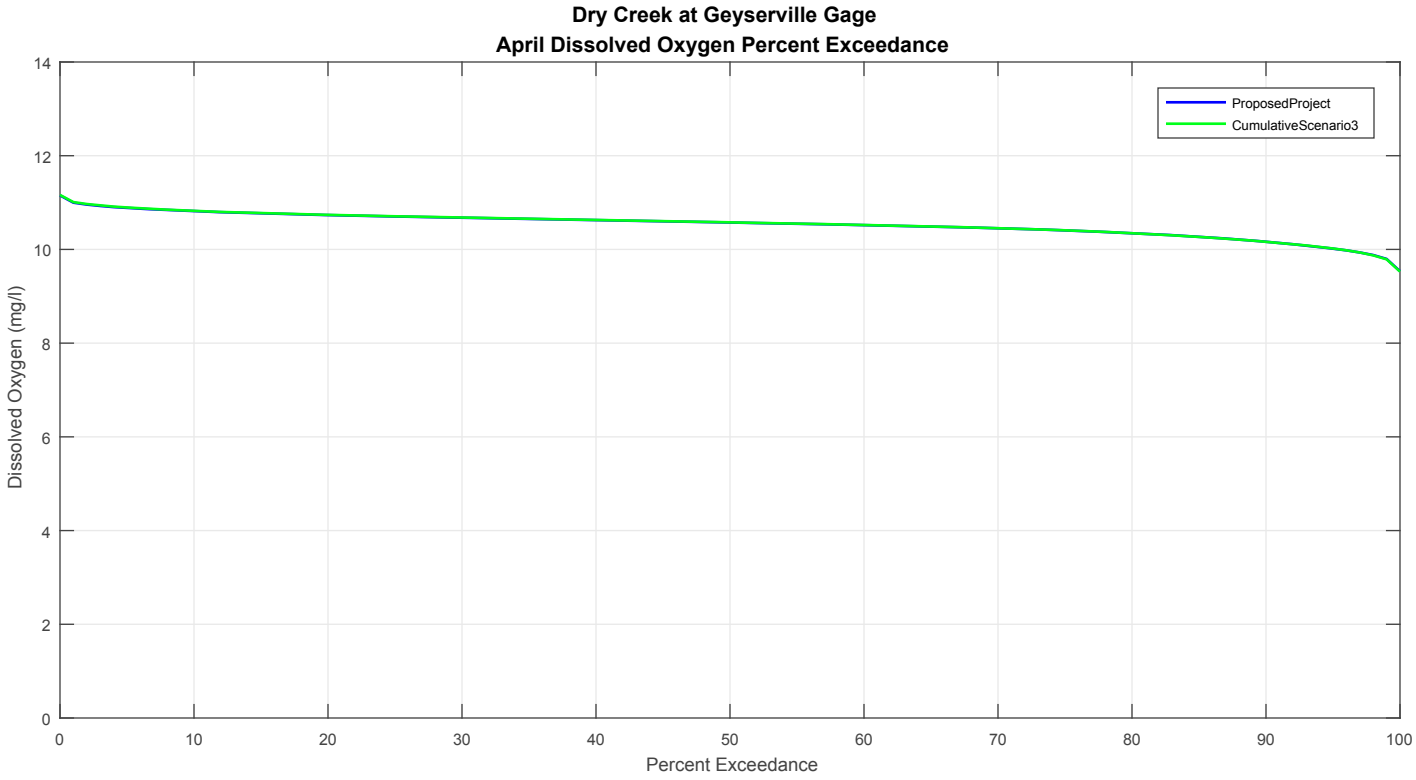
Dry Creek at Geyserville Gage
April Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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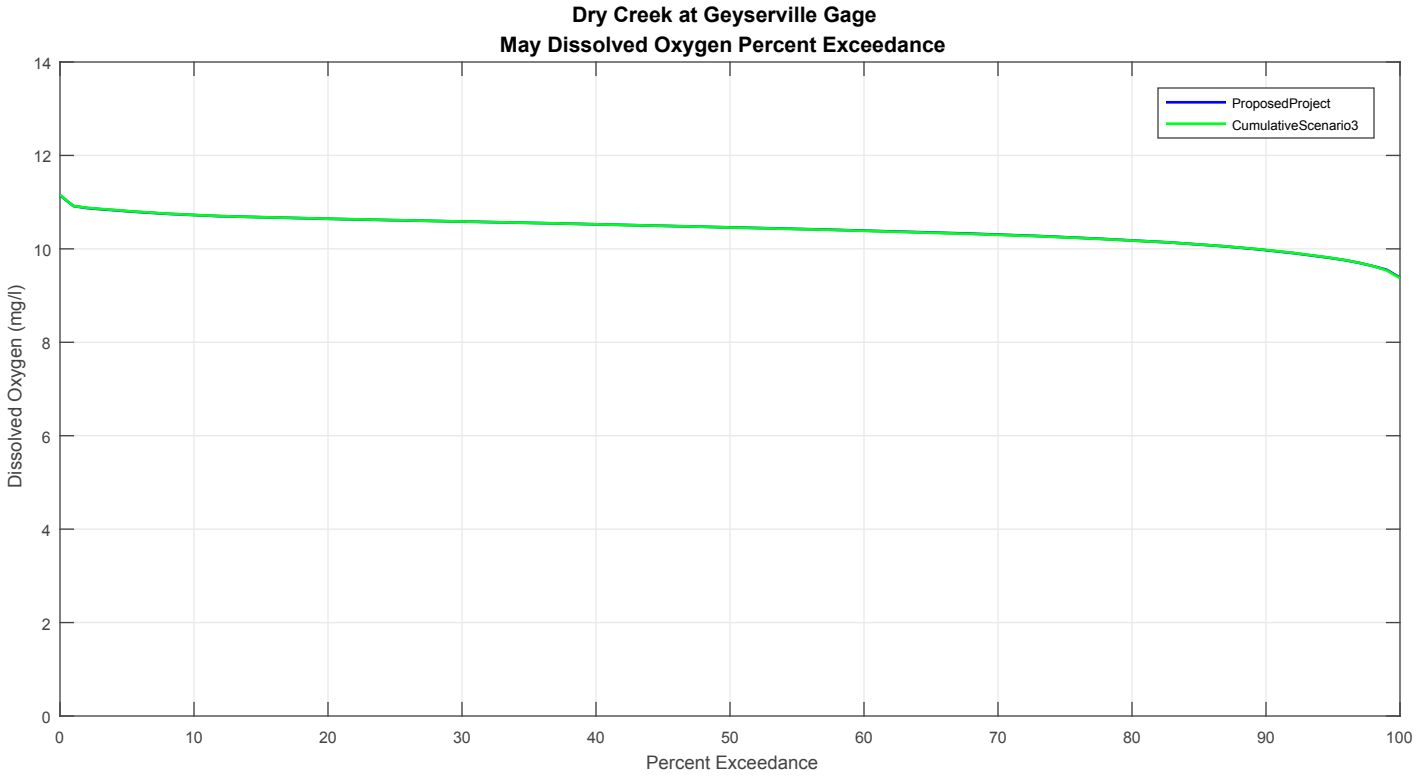
Dry Creek at Geyserville Gage
May Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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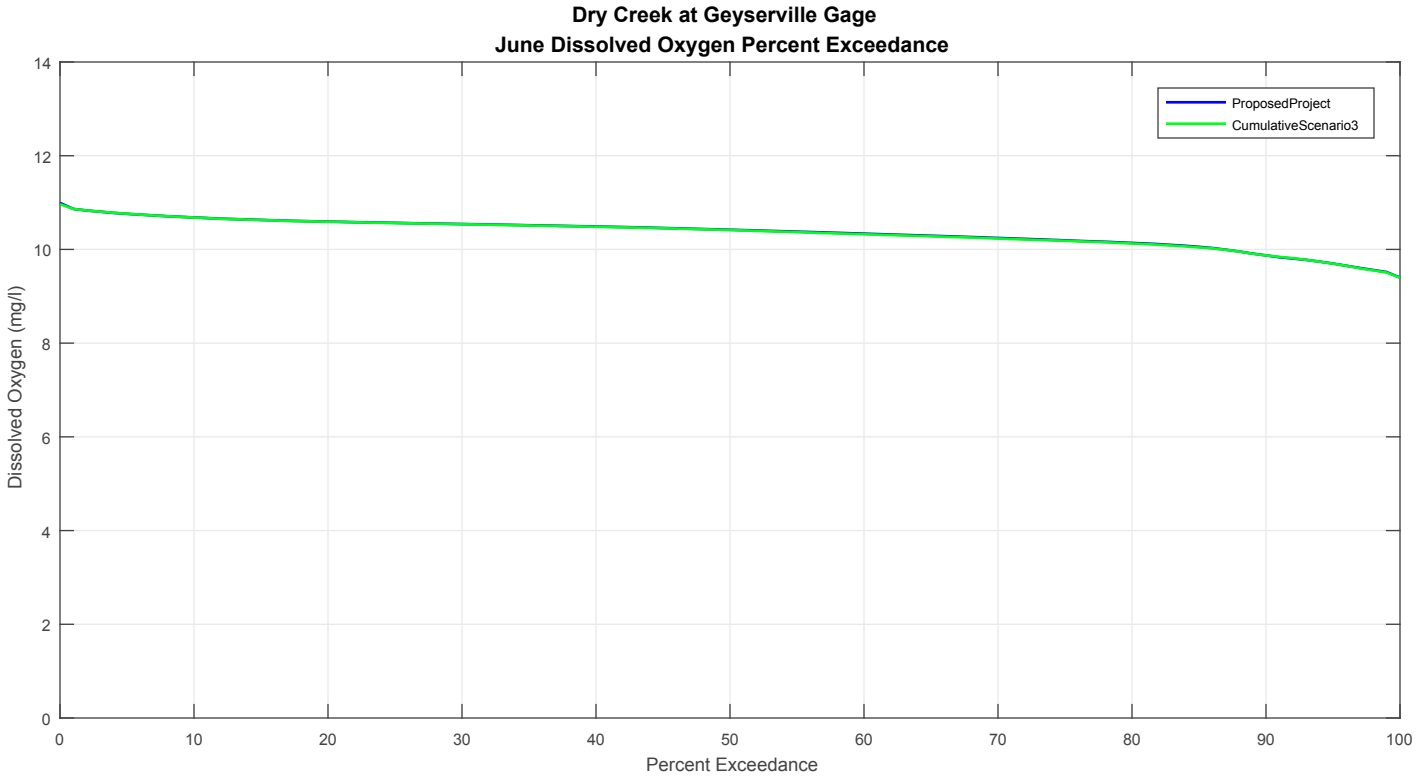
Dry Creek at Geyserville Gage
June Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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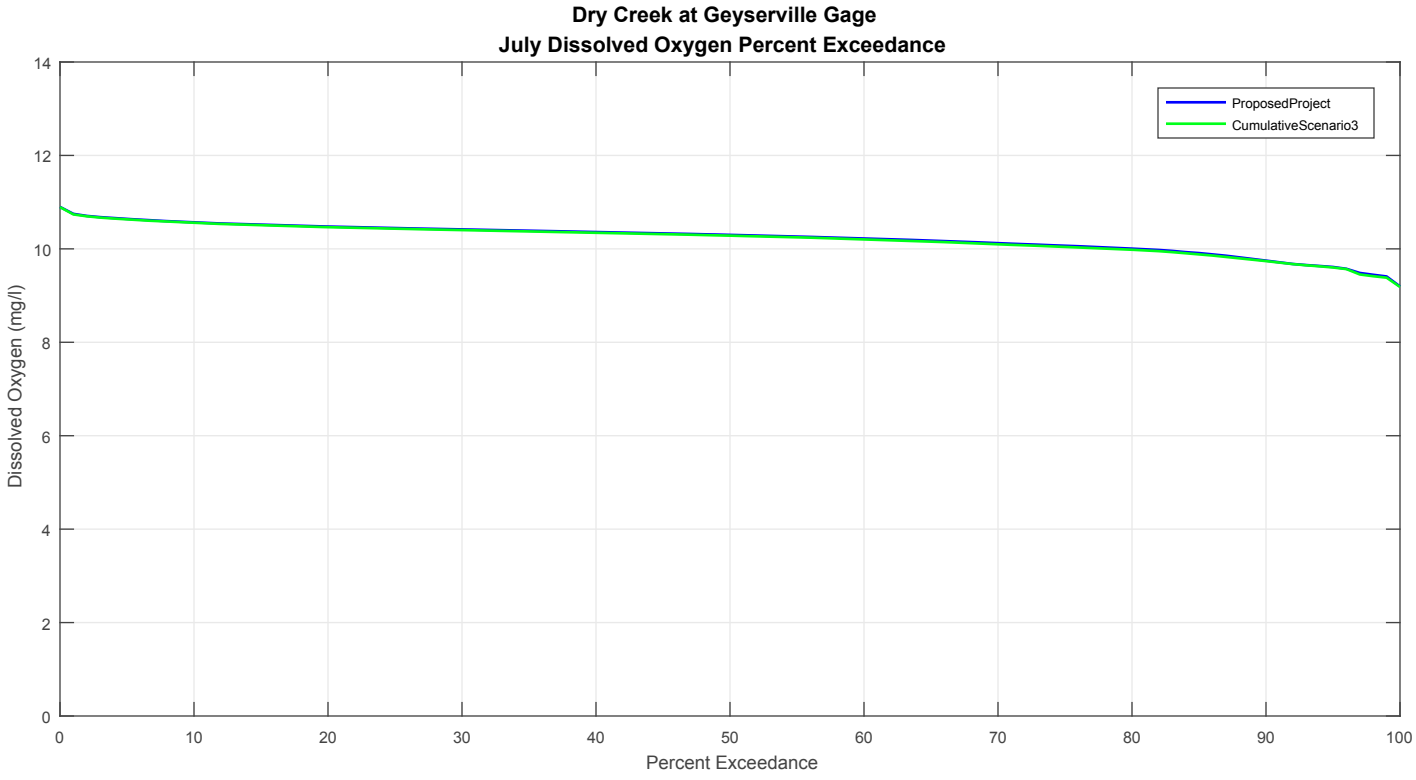
Dry Creek at Geyserville Gage
July Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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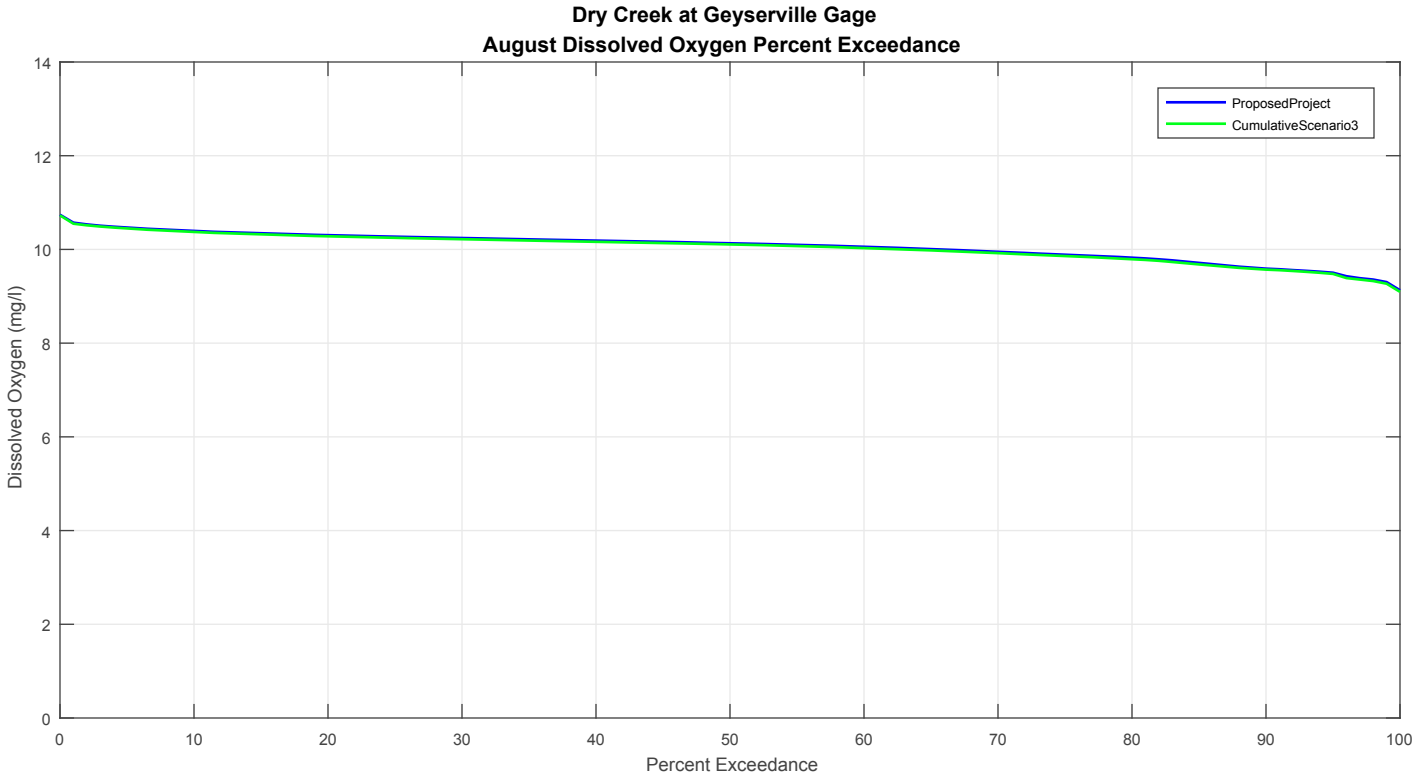
Dry Creek at Geyserville Gage
August Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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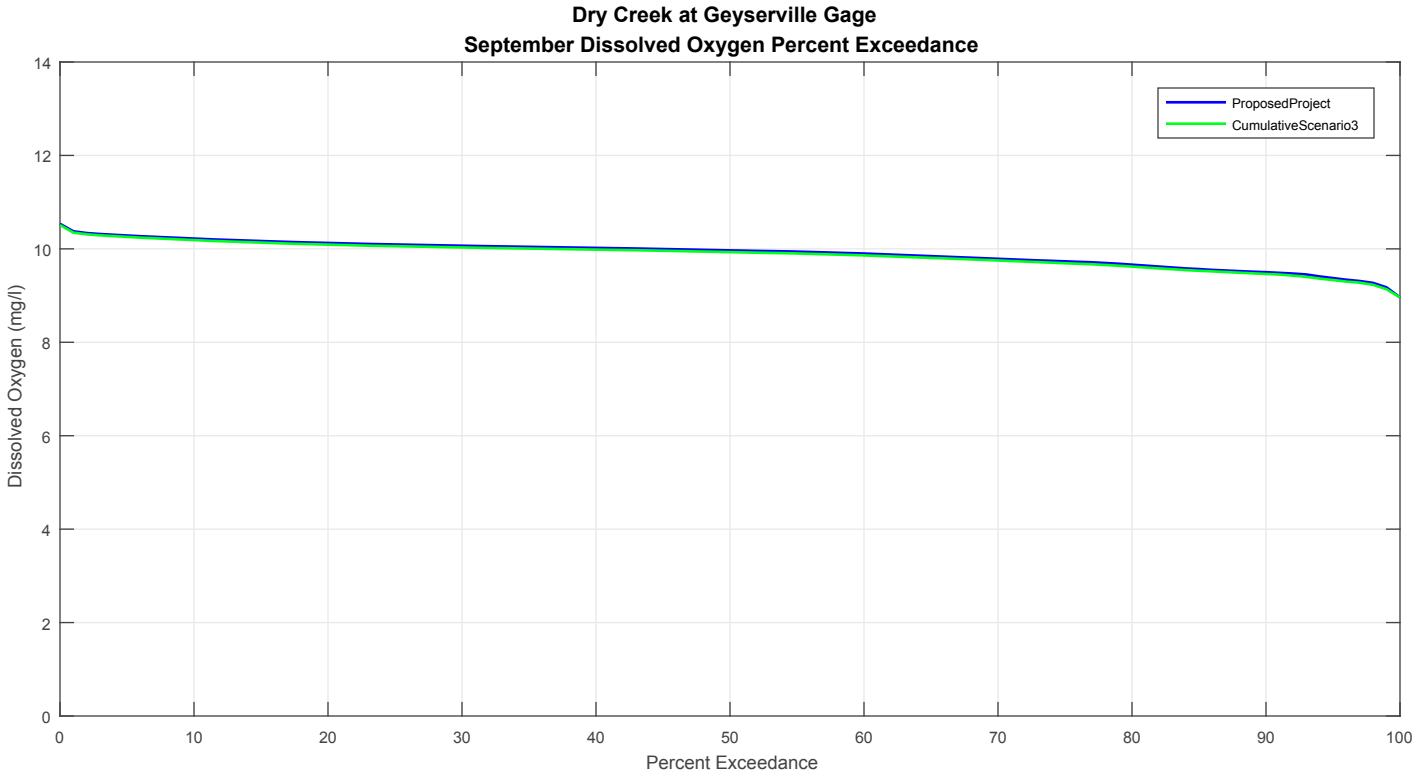
Dry Creek at Geyserville Gage
September Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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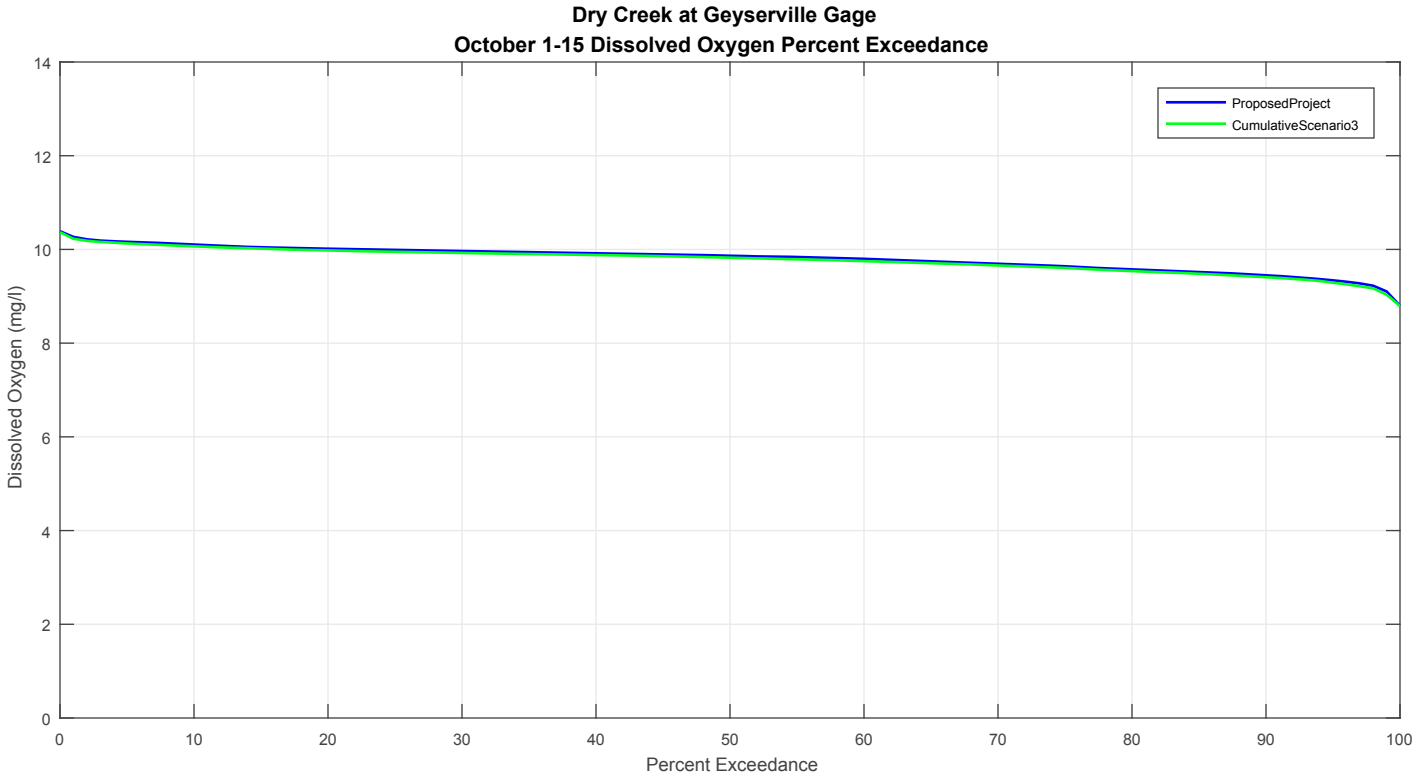
Dry Creek at Geyserville Gage
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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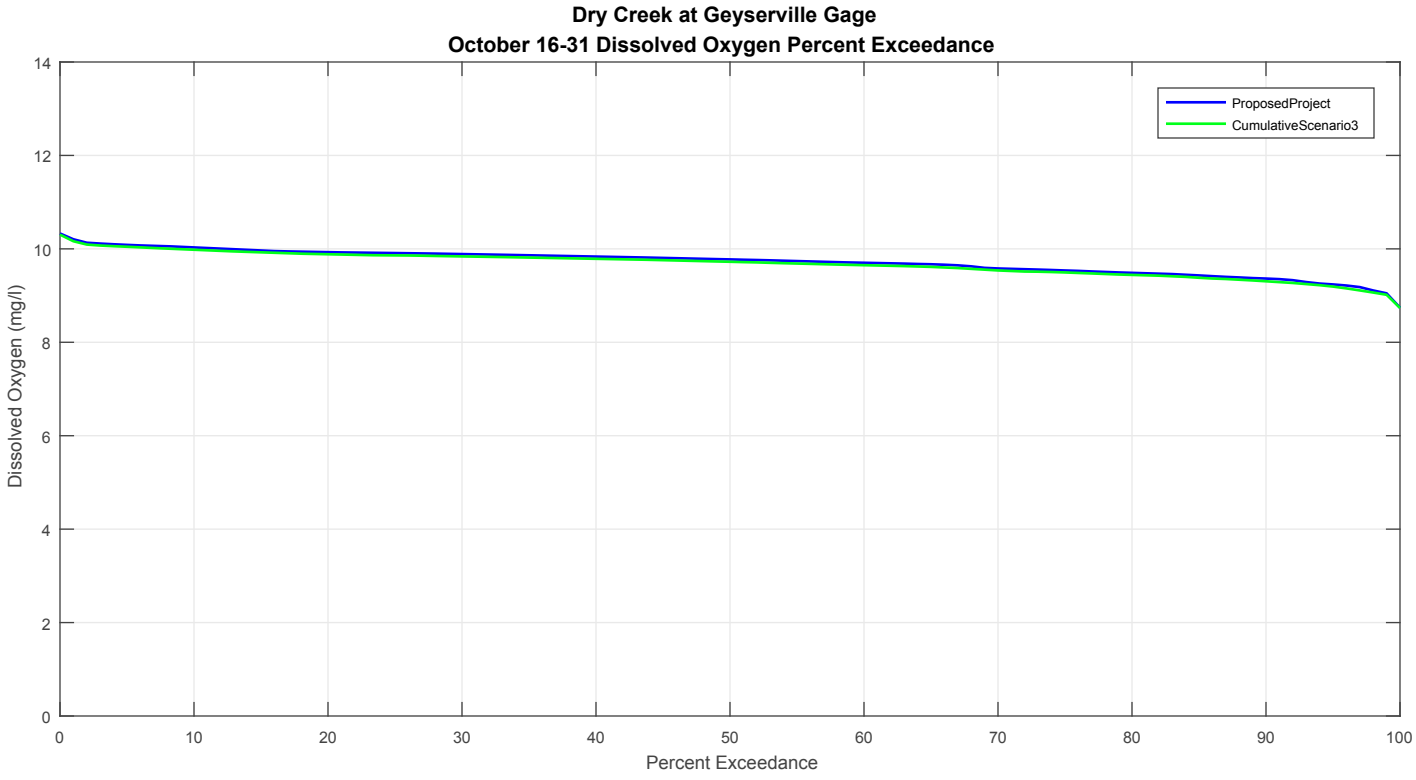
Dry Creek at Geyserville Gage
October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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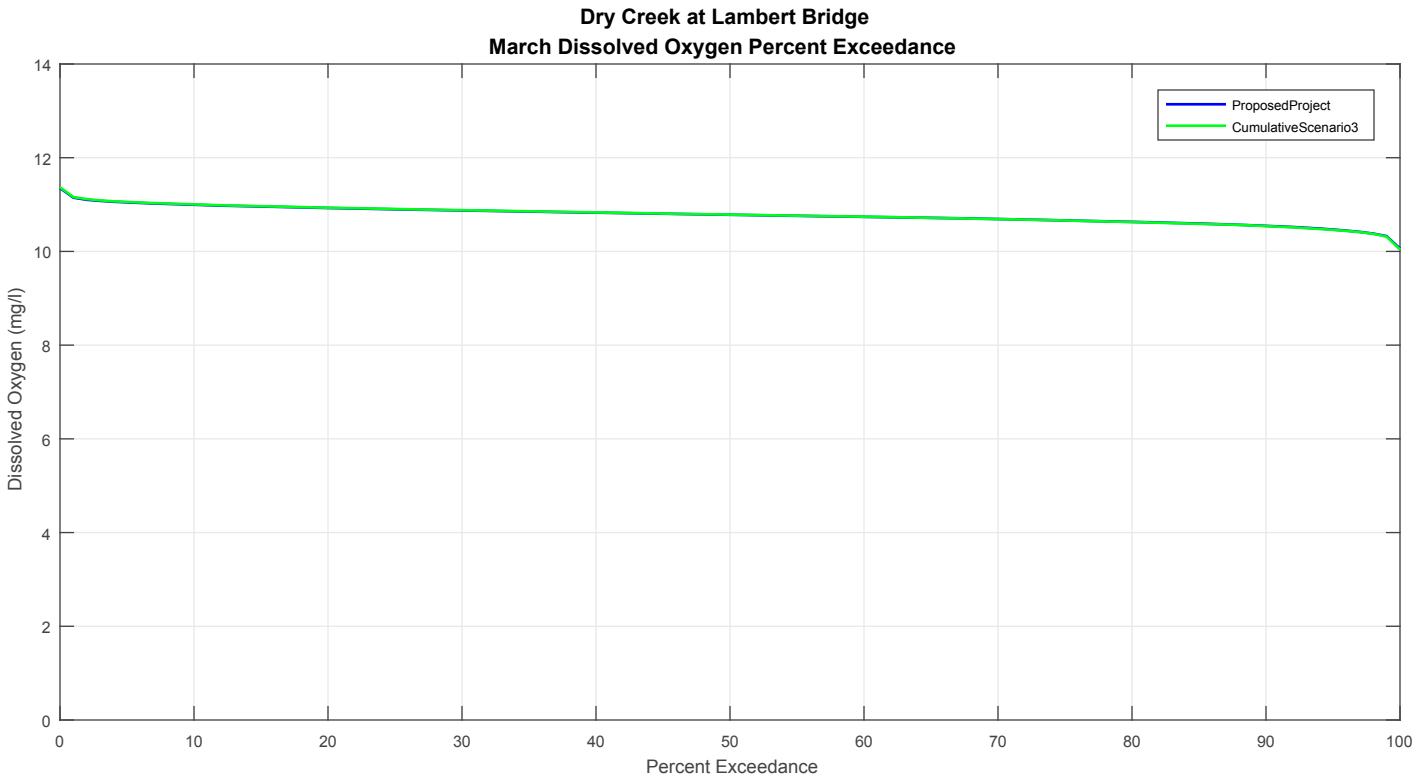
Dry Creek at Lambert Bridge
March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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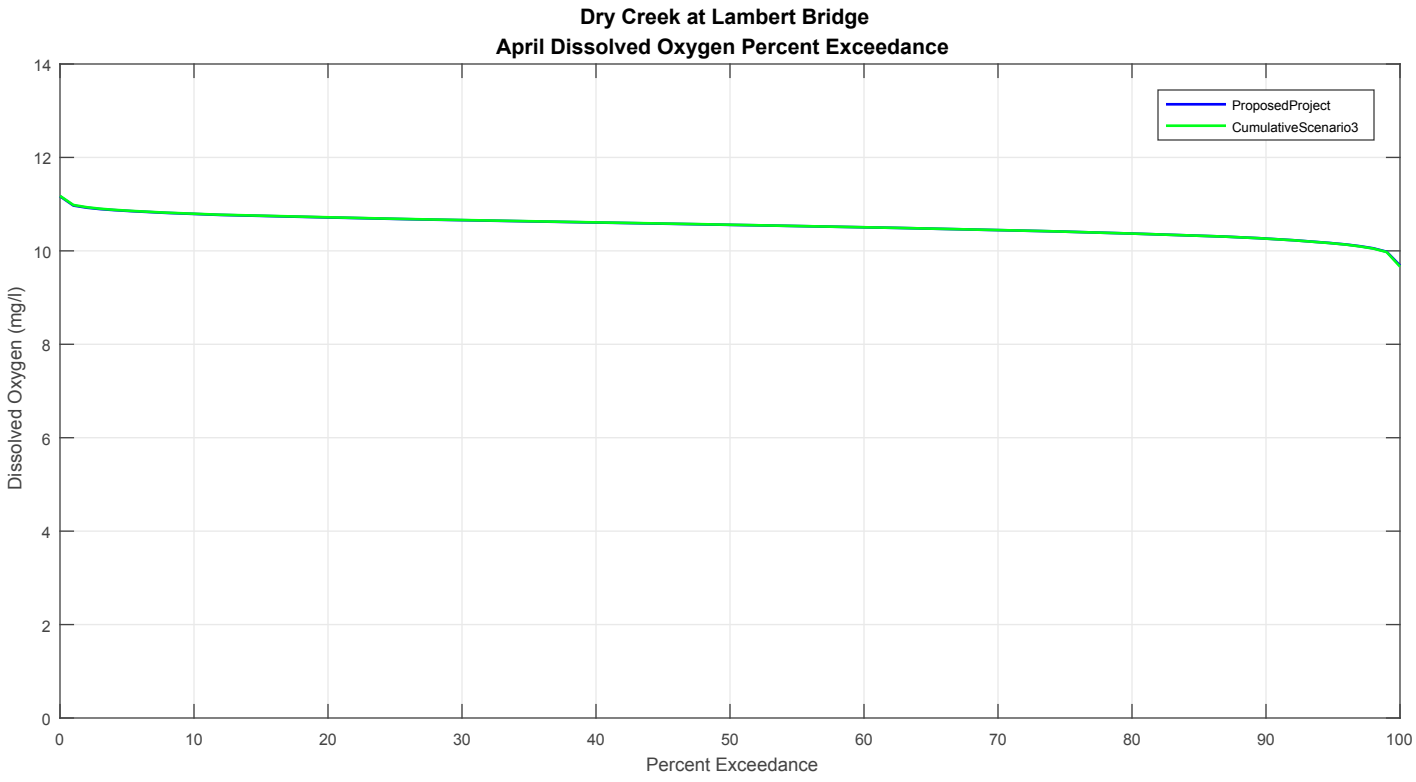
Dry Creek at Lambert Bridge
April Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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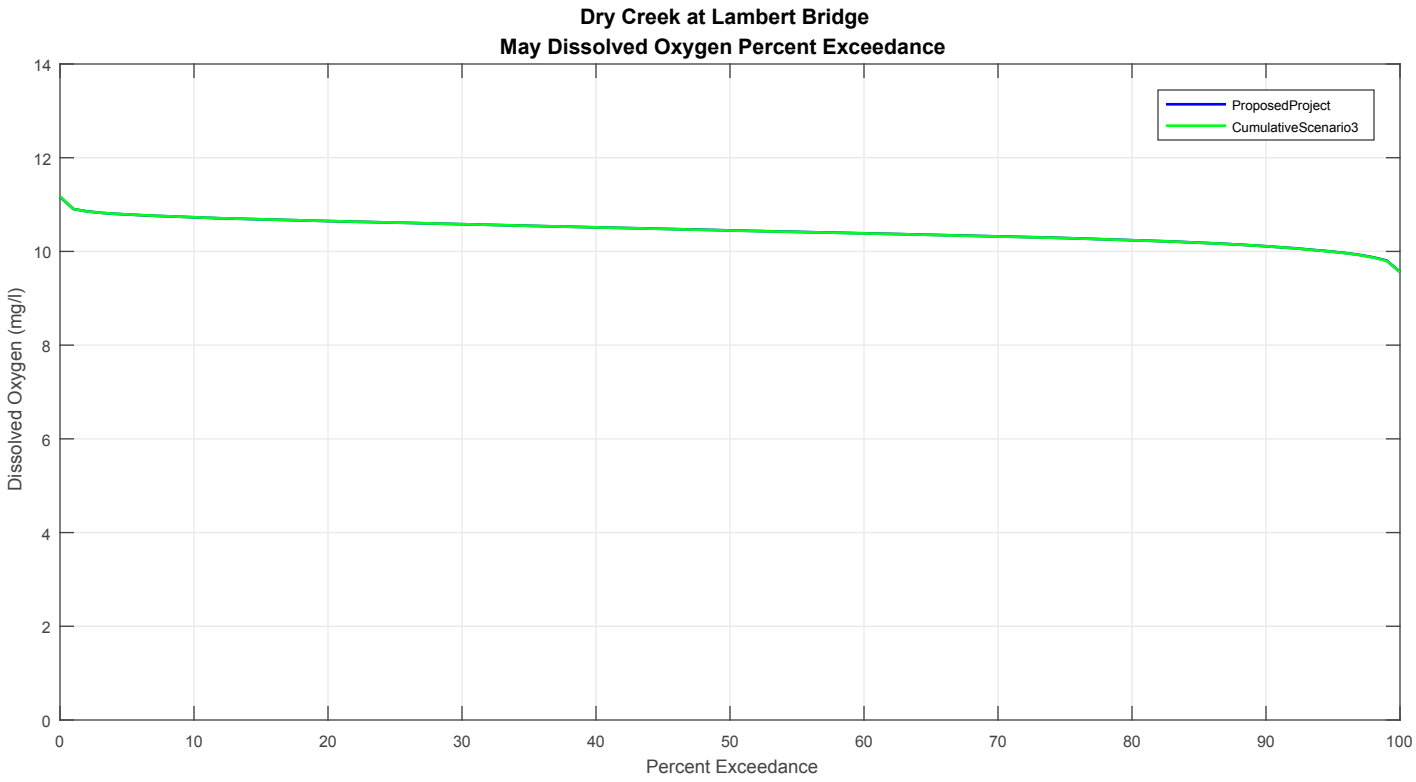
Dry Creek at Lambert Bridge
May Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
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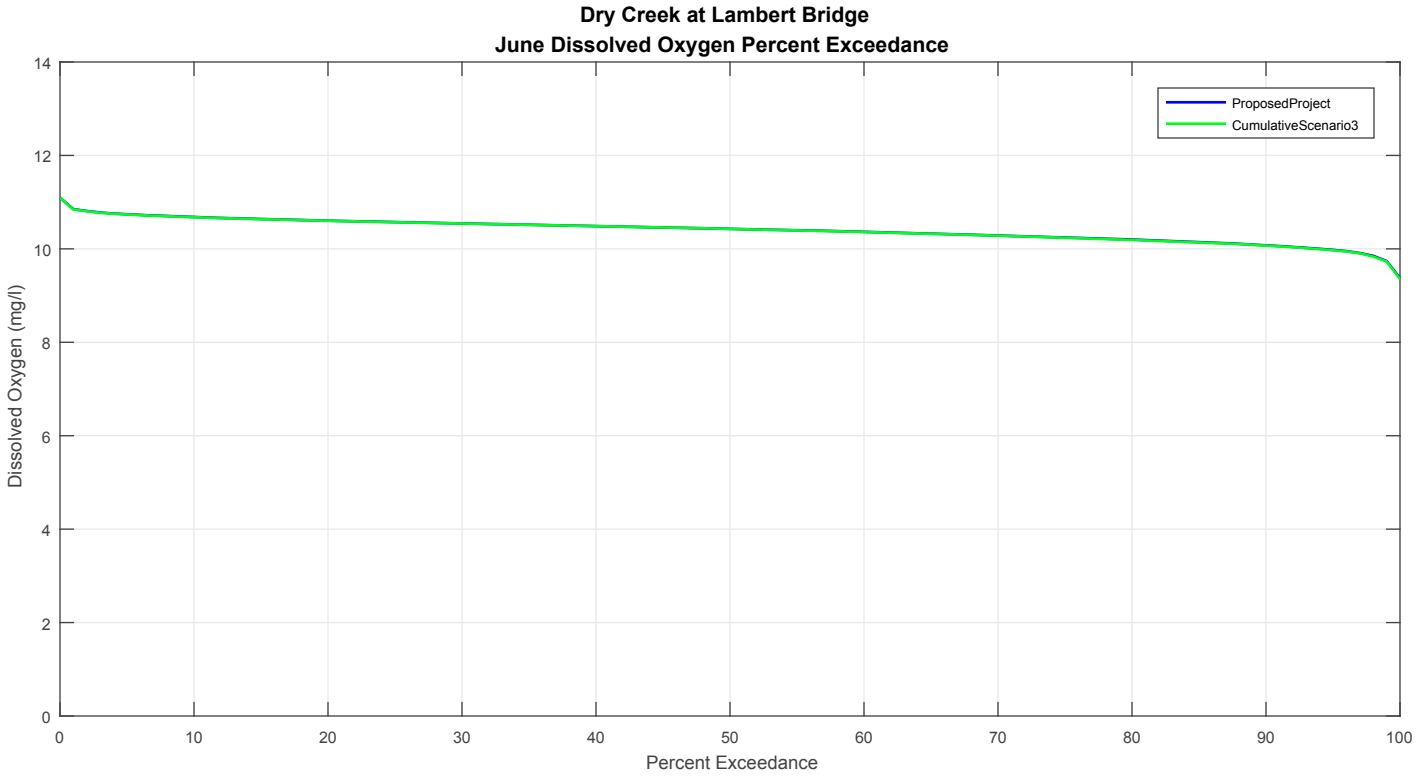
Dry Creek at Lambert Bridge
June Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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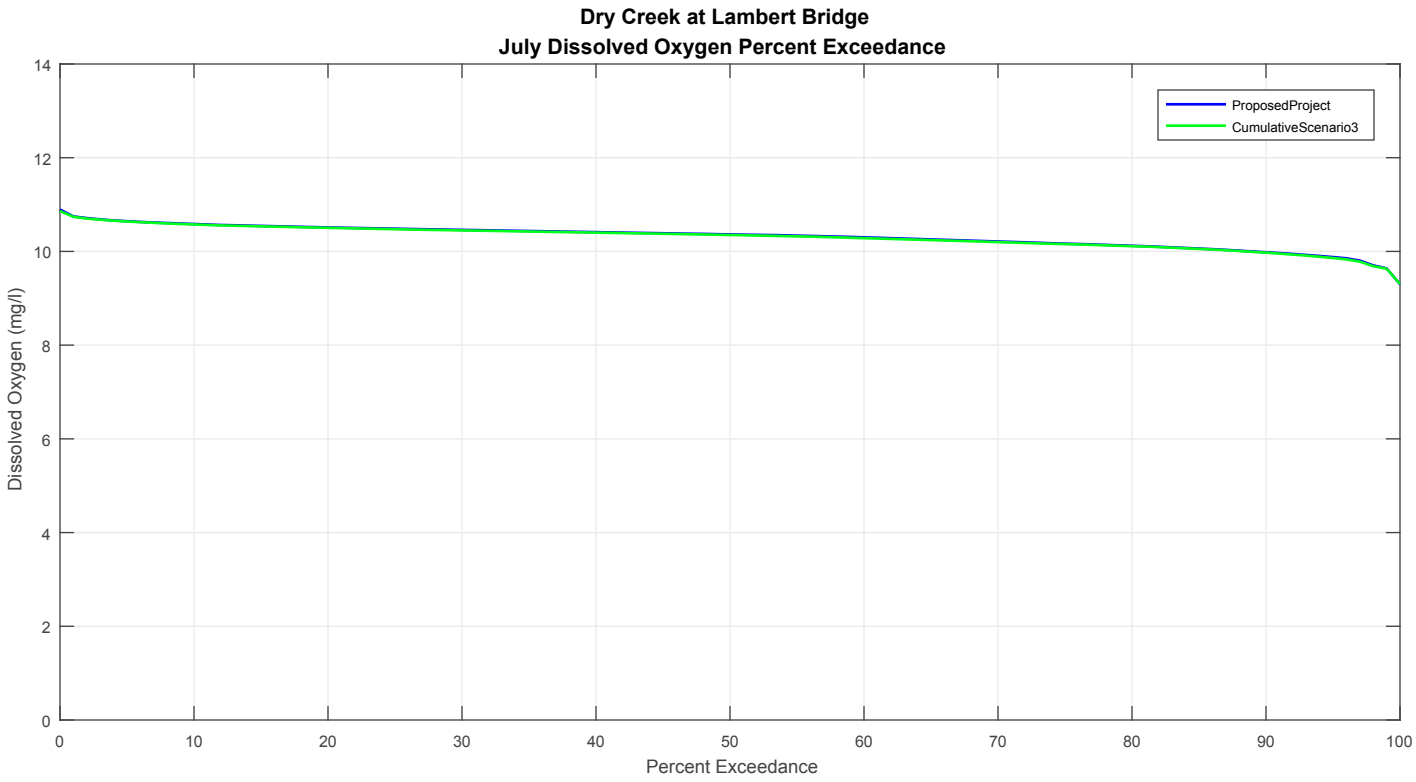
Dry Creek at Lambert Bridge
July Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
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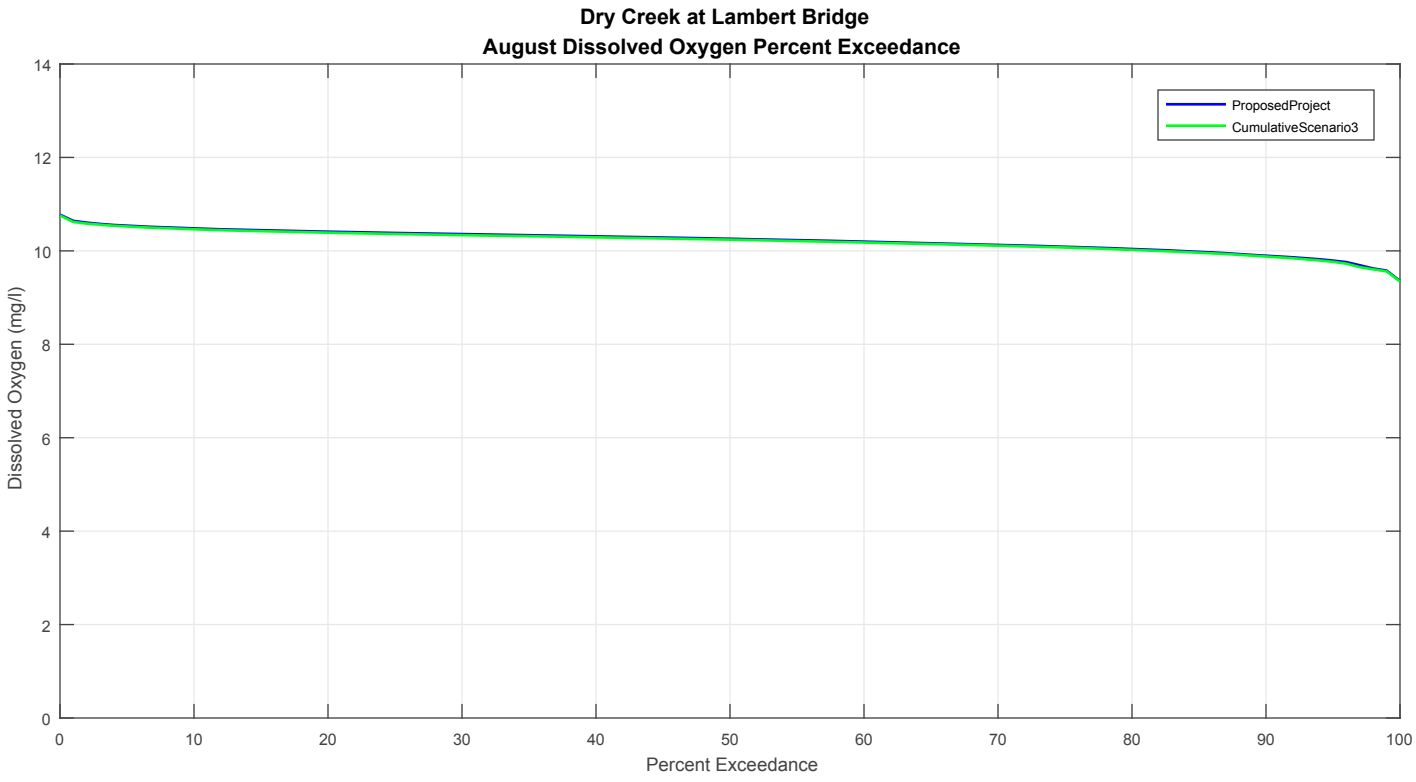
Dry Creek at Lambert Bridge
August Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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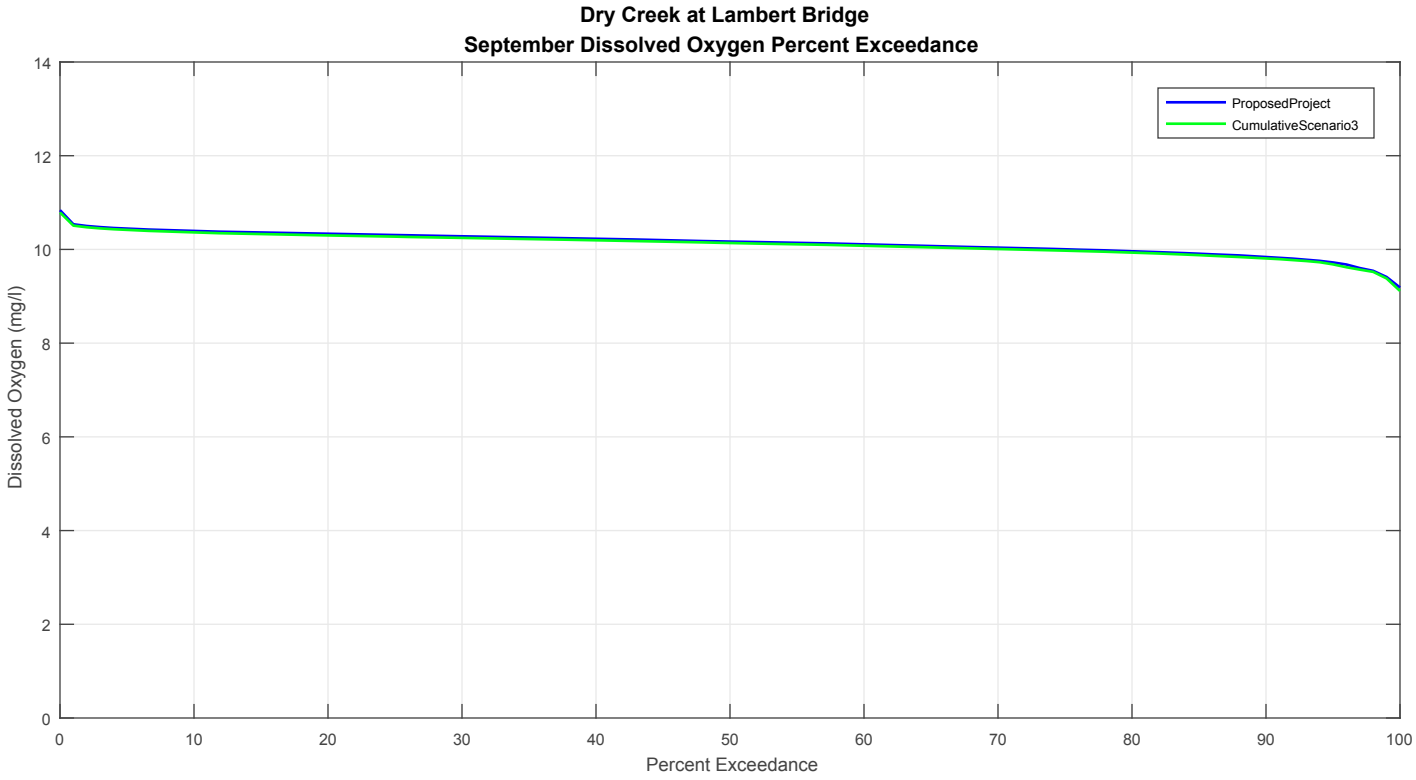
Dry Creek at Lambert Bridge
September Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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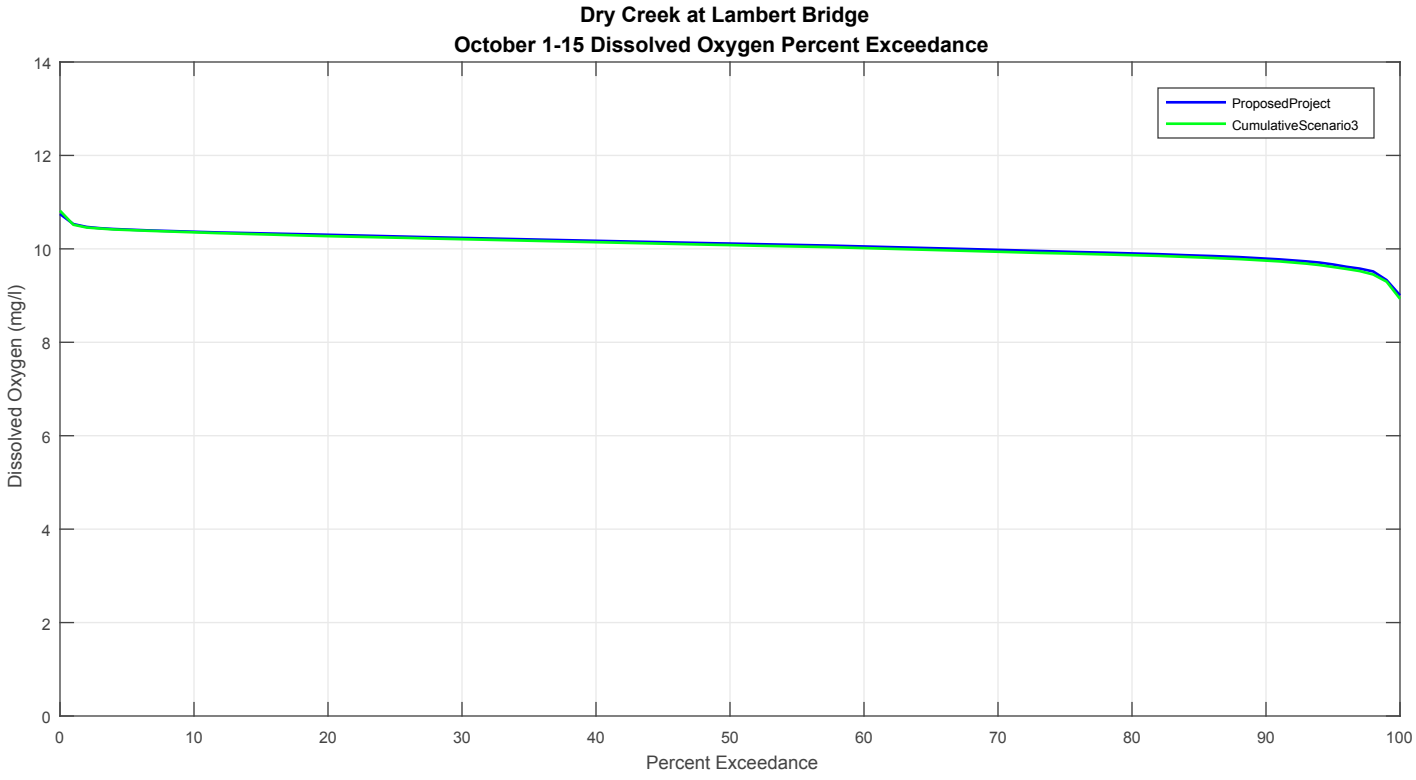
Dry Creek at Lambert Bridge
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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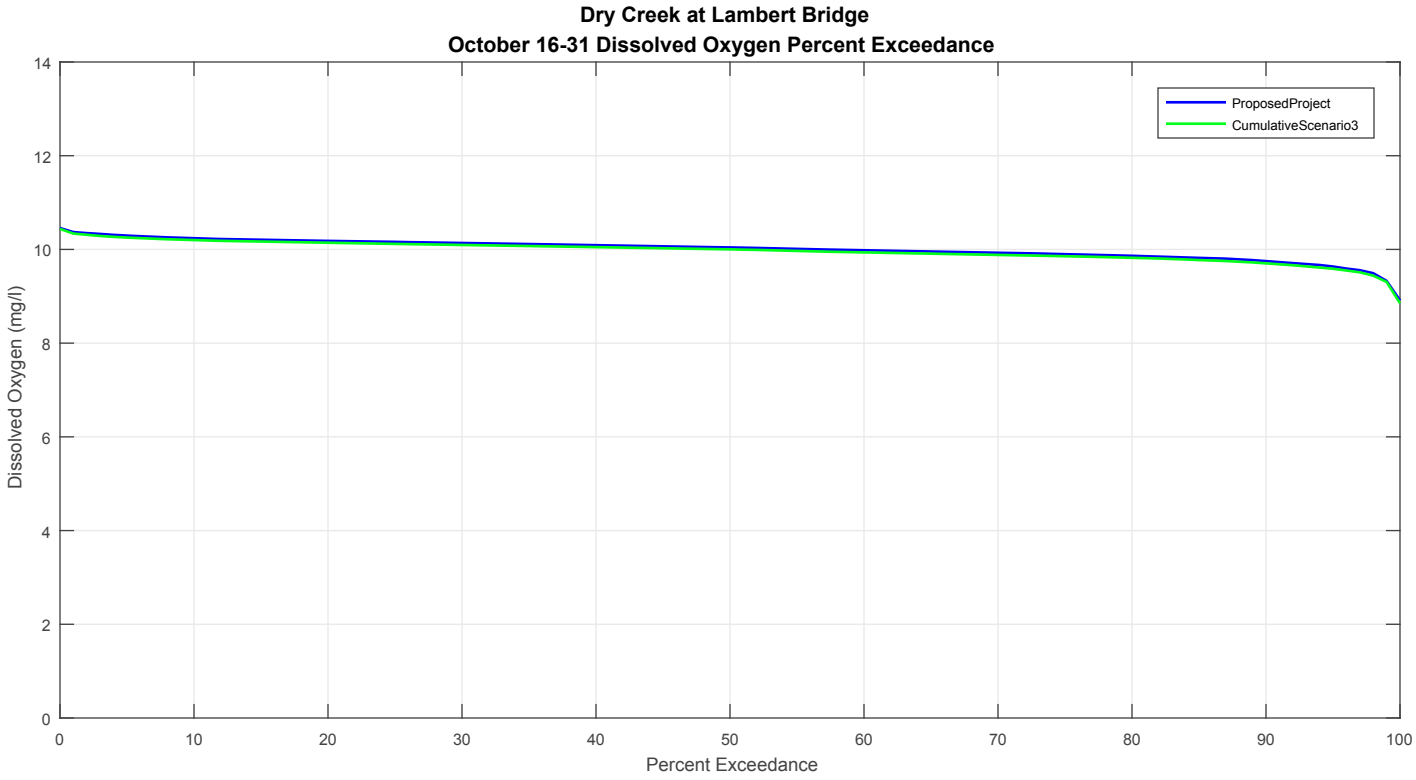
Dry Creek at Lambert Bridge
October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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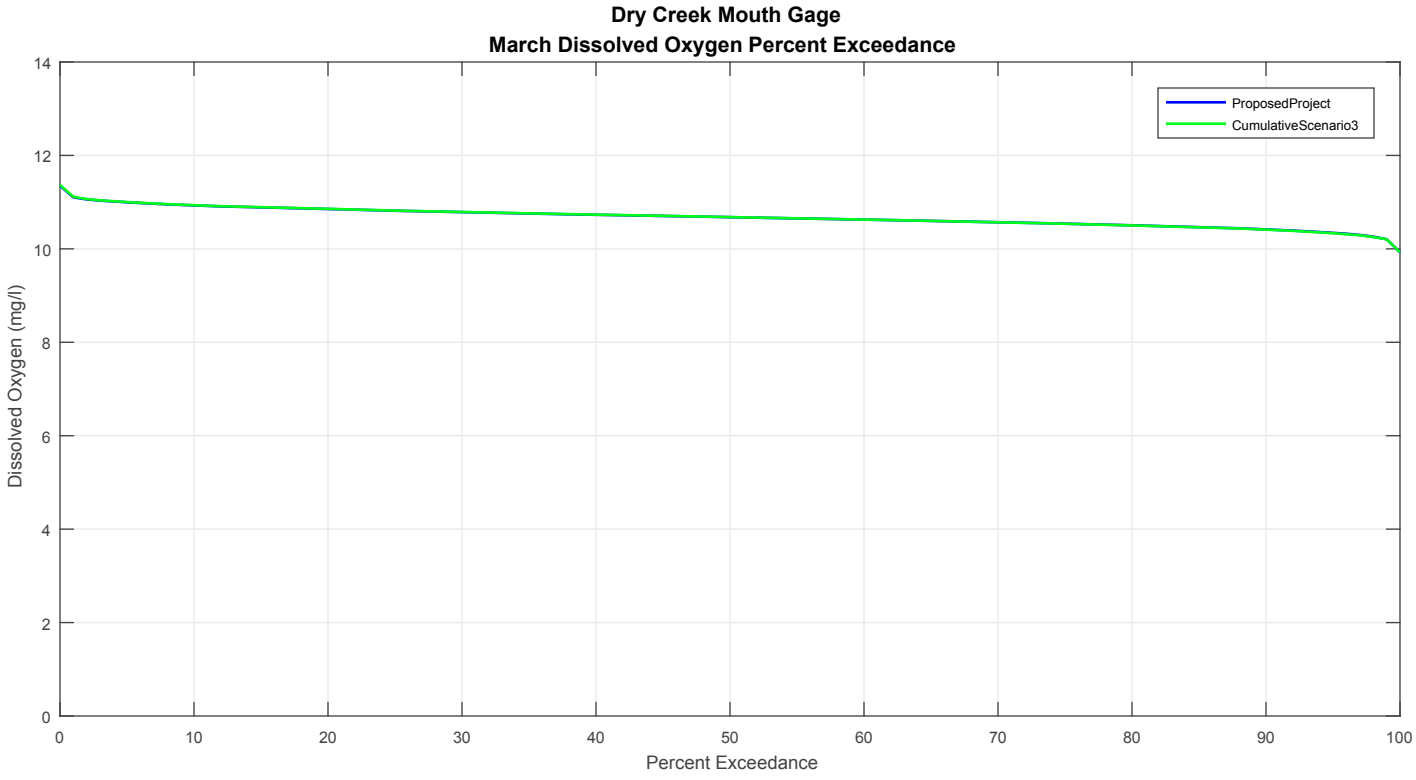
Dry Creek Mouth Gage
March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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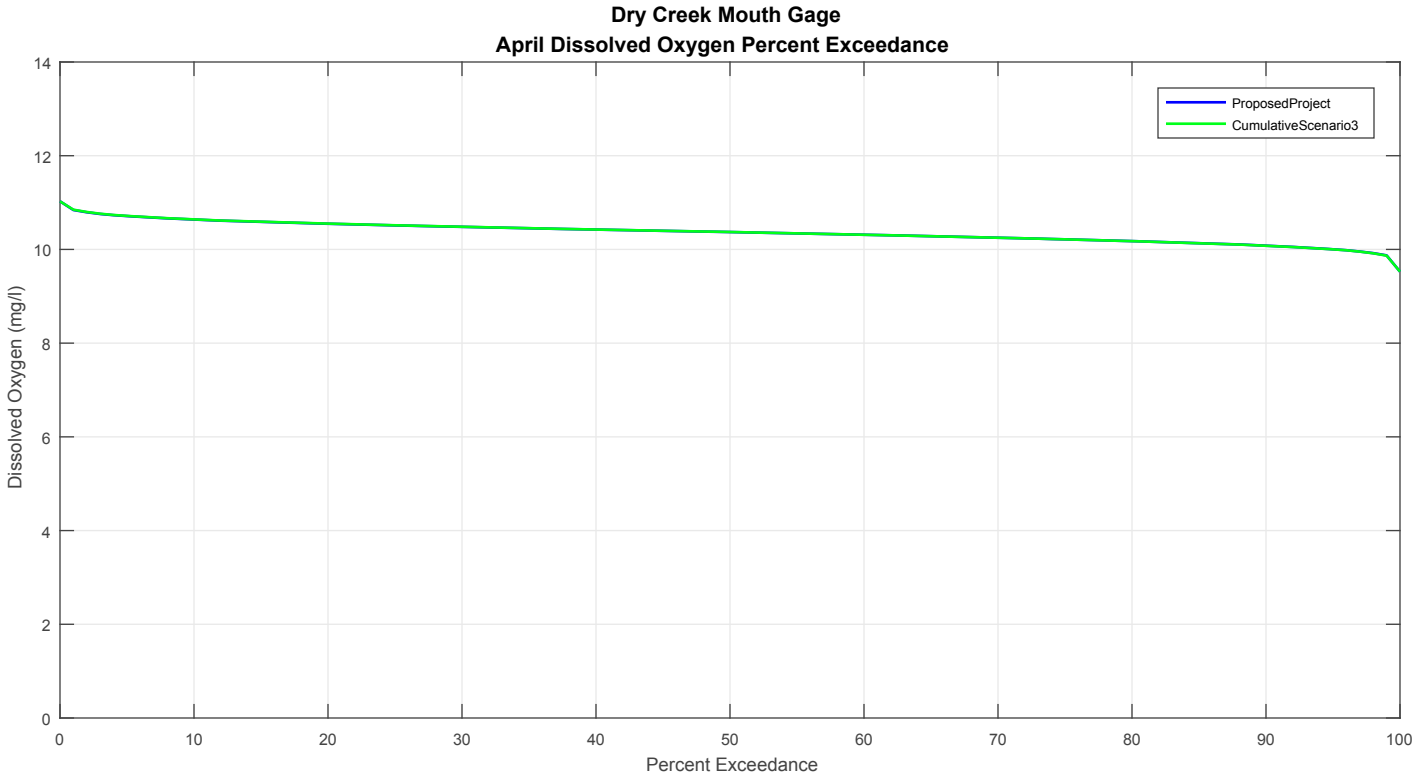
Dry Creek Mouth Gage
April Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
14
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10
20
30
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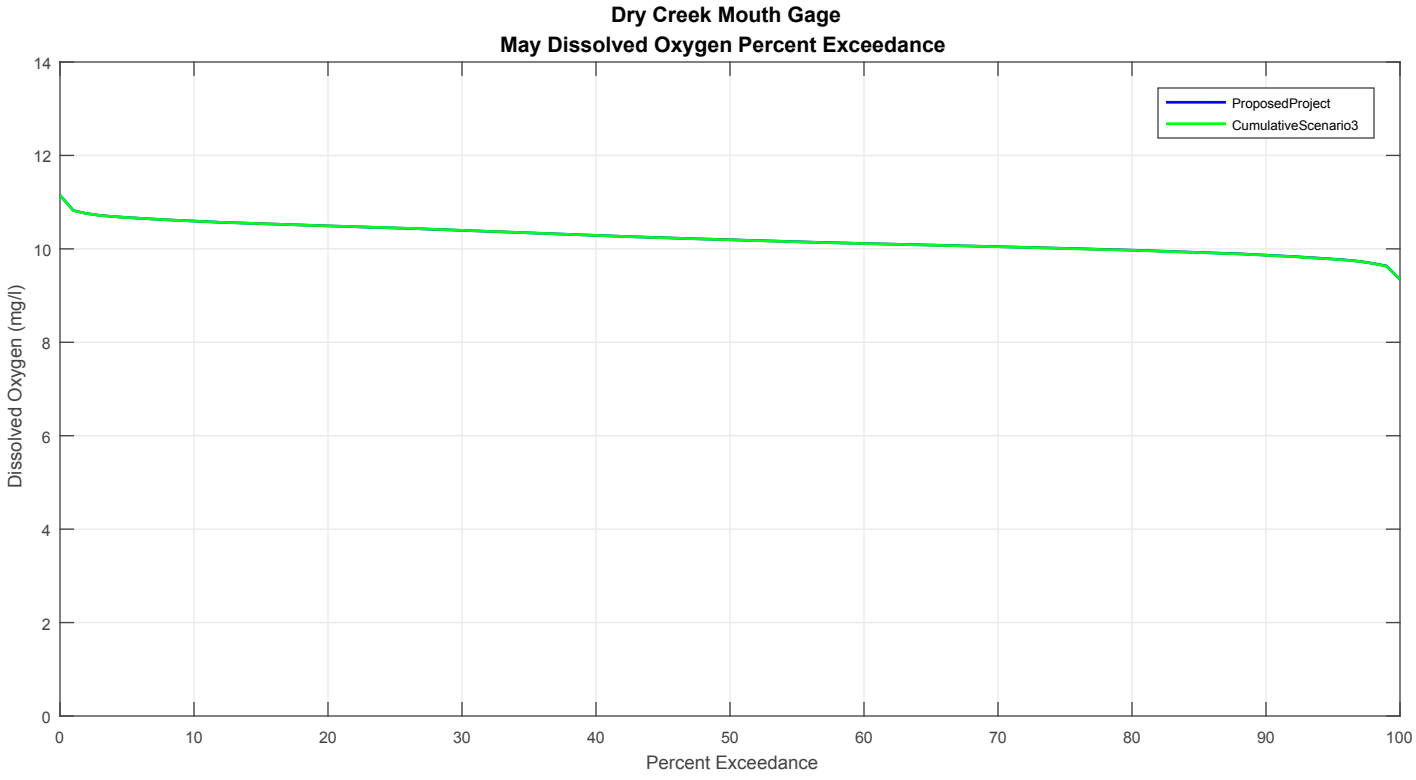
50
60
70
80
90
100


Dry Creek Mouth Gage
May Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
0
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6
8
10
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10
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30
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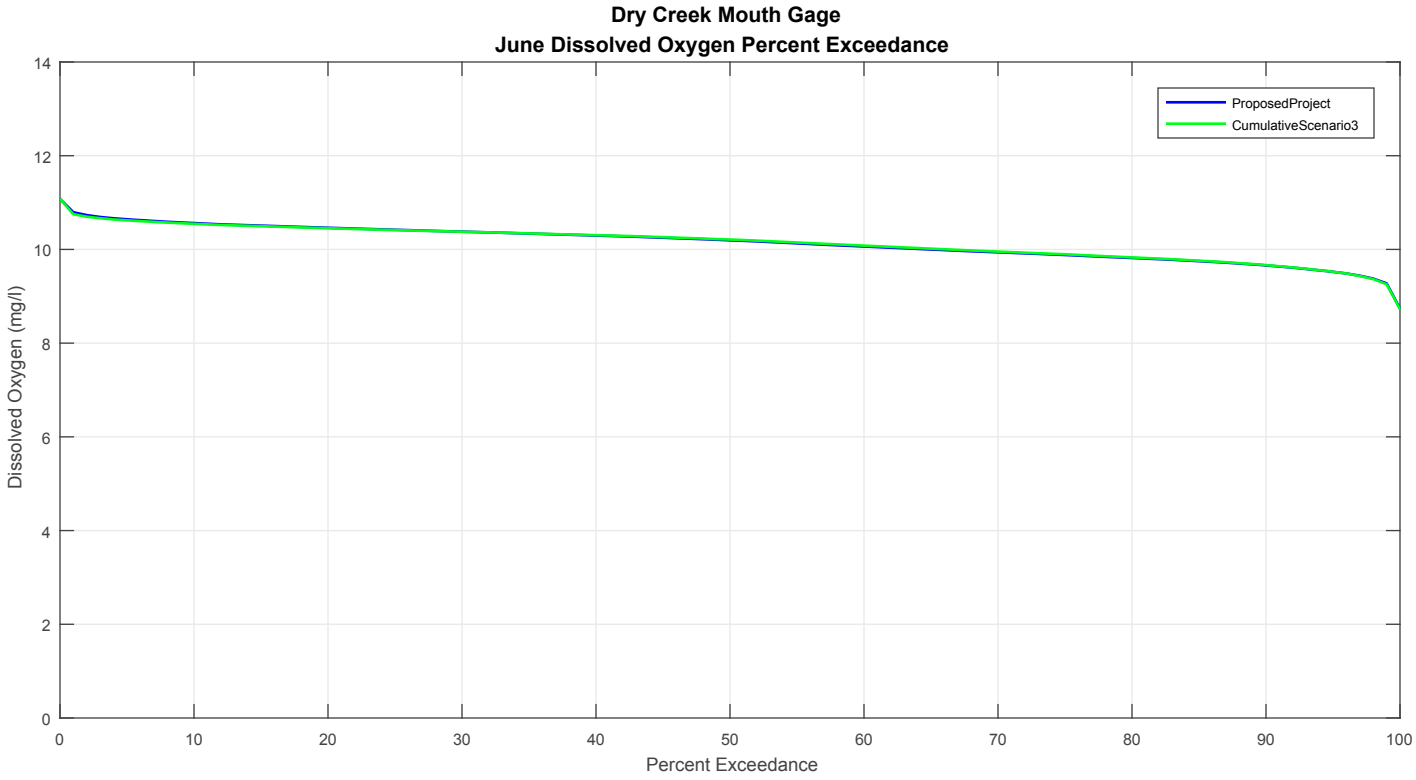
60
70
80
90
100


Dry Creek Mouth Gage
June Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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6
8
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12
14
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30
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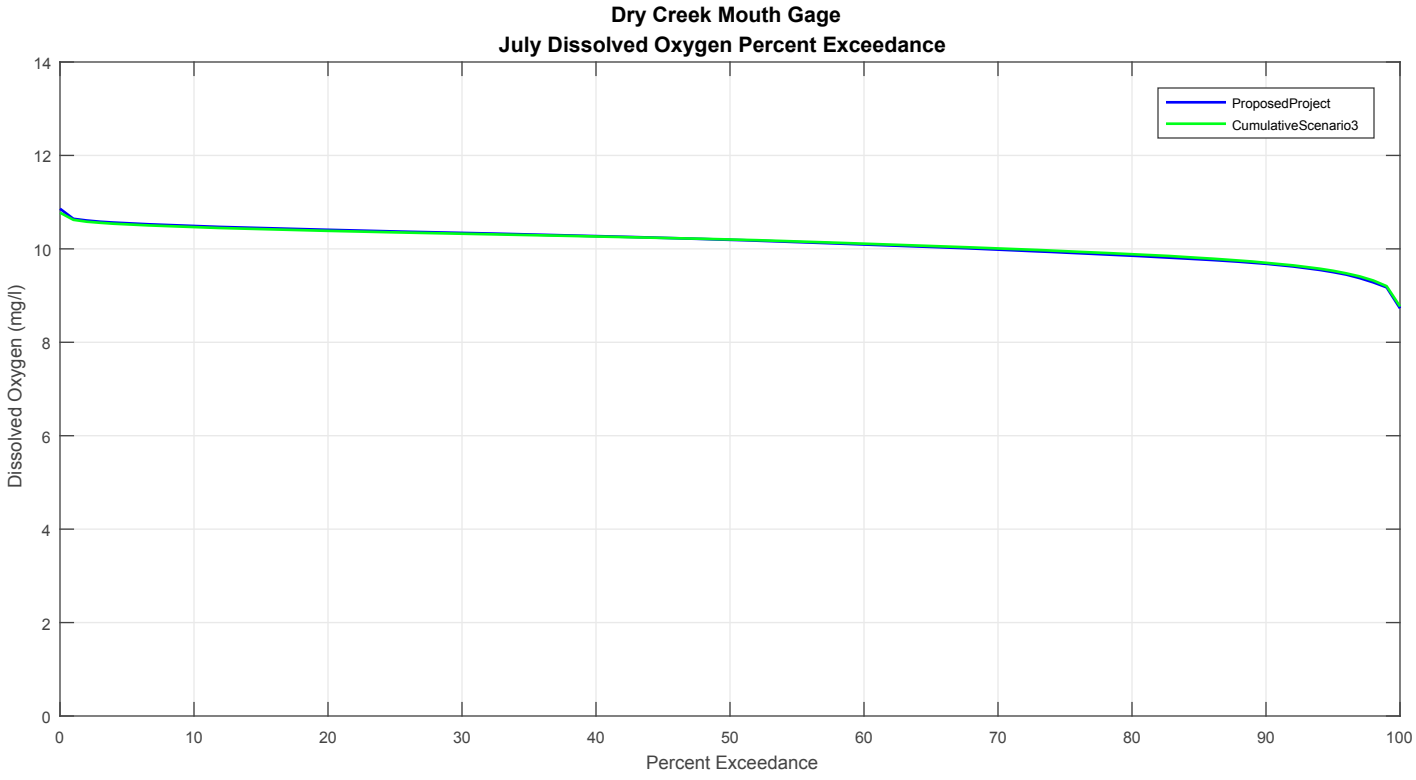
60
70
80
90
100


Dry Creek Mouth Gage
July Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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8
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12
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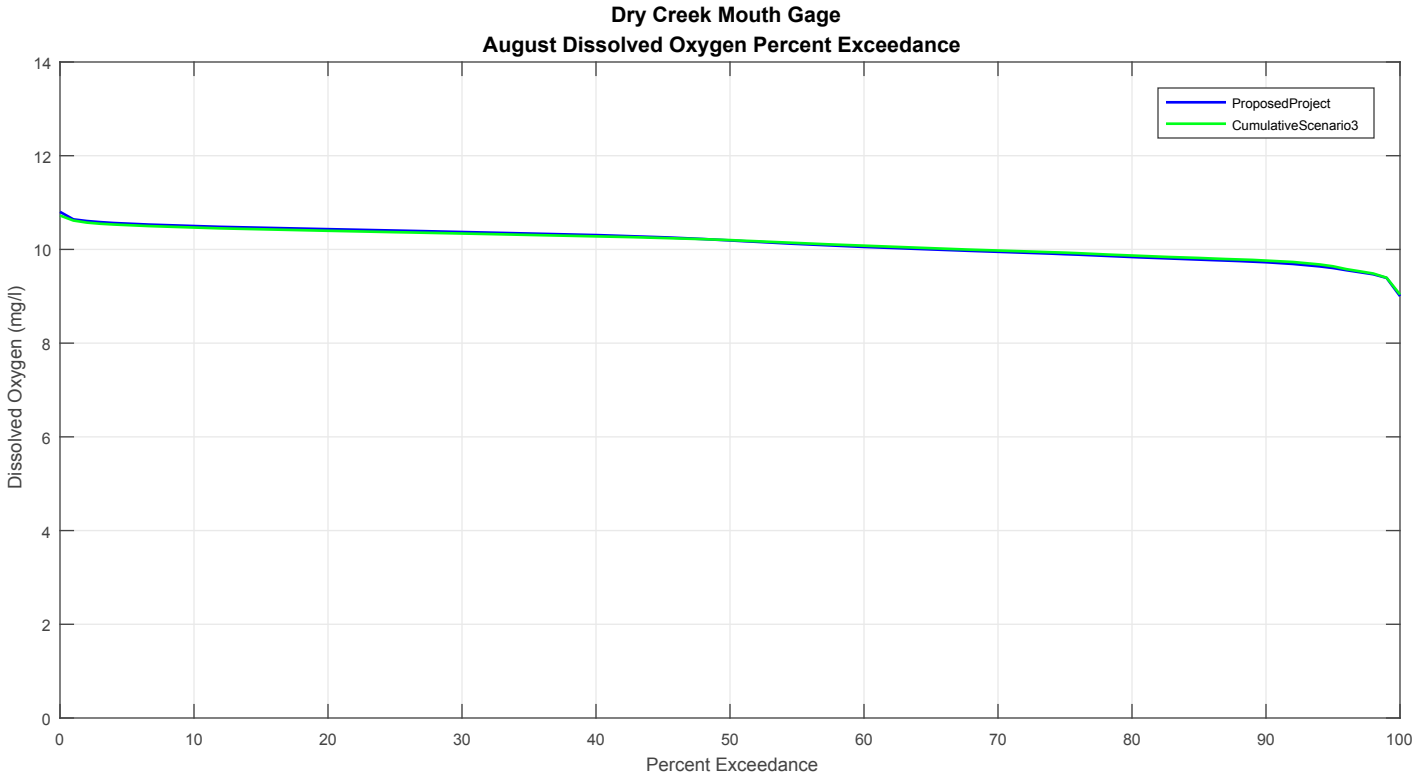
90
100


Dry Creek Mouth Gage
August Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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6
8
10
12
14
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10
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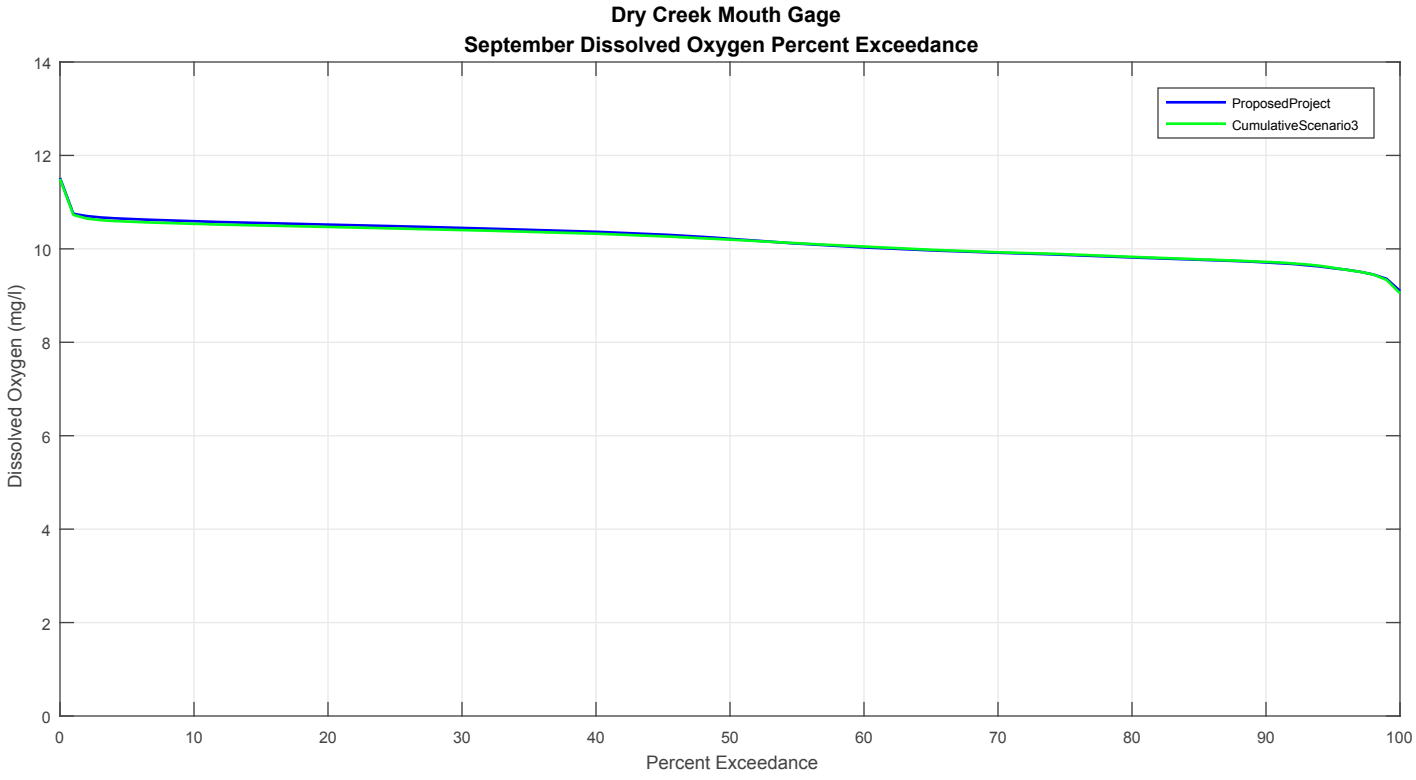
30
40
50
60
70
80
90
100


Dry Creek Mouth Gage
September Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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4
6
8
10
12
14
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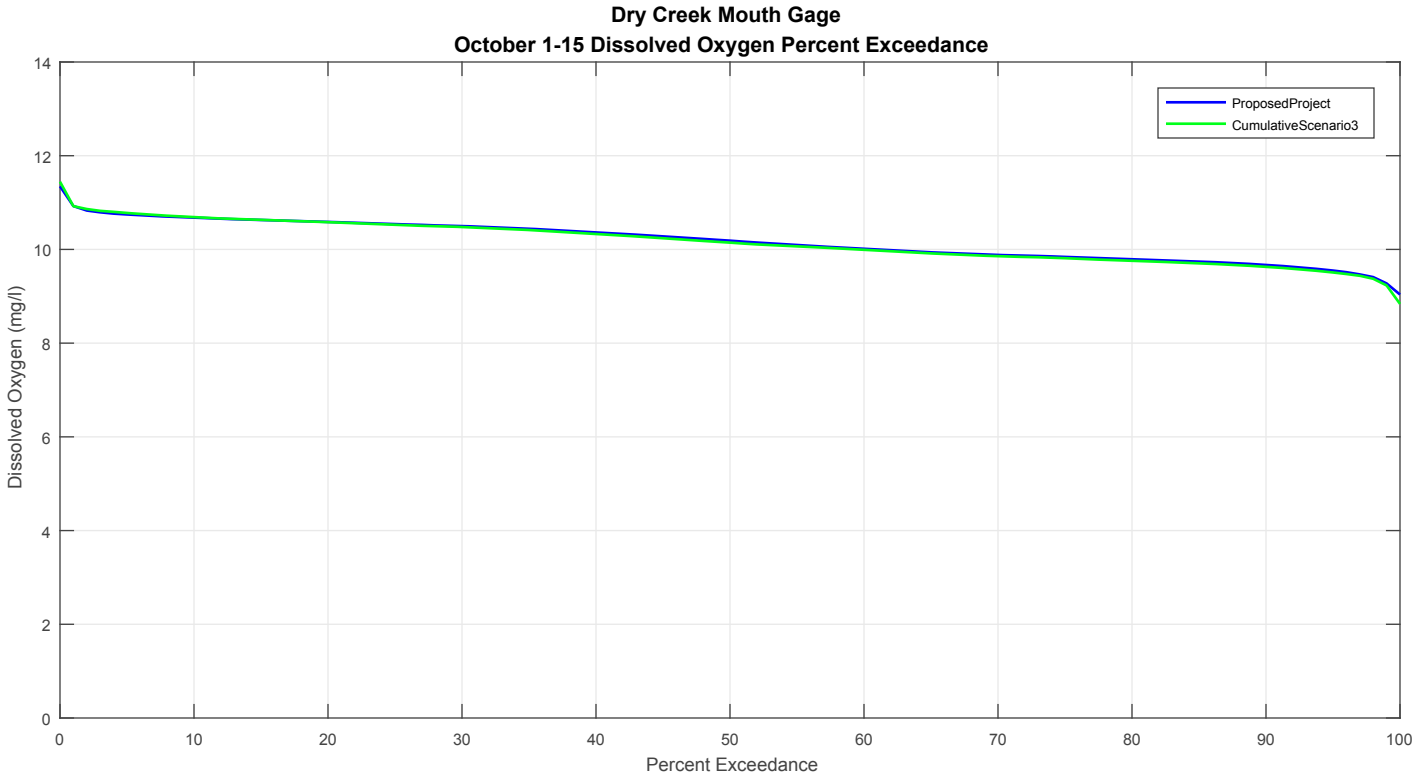
10
20
30
40
50
60
70
80
90
100


Dry Creek Mouth Gage
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
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6
8
10
12
14
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30
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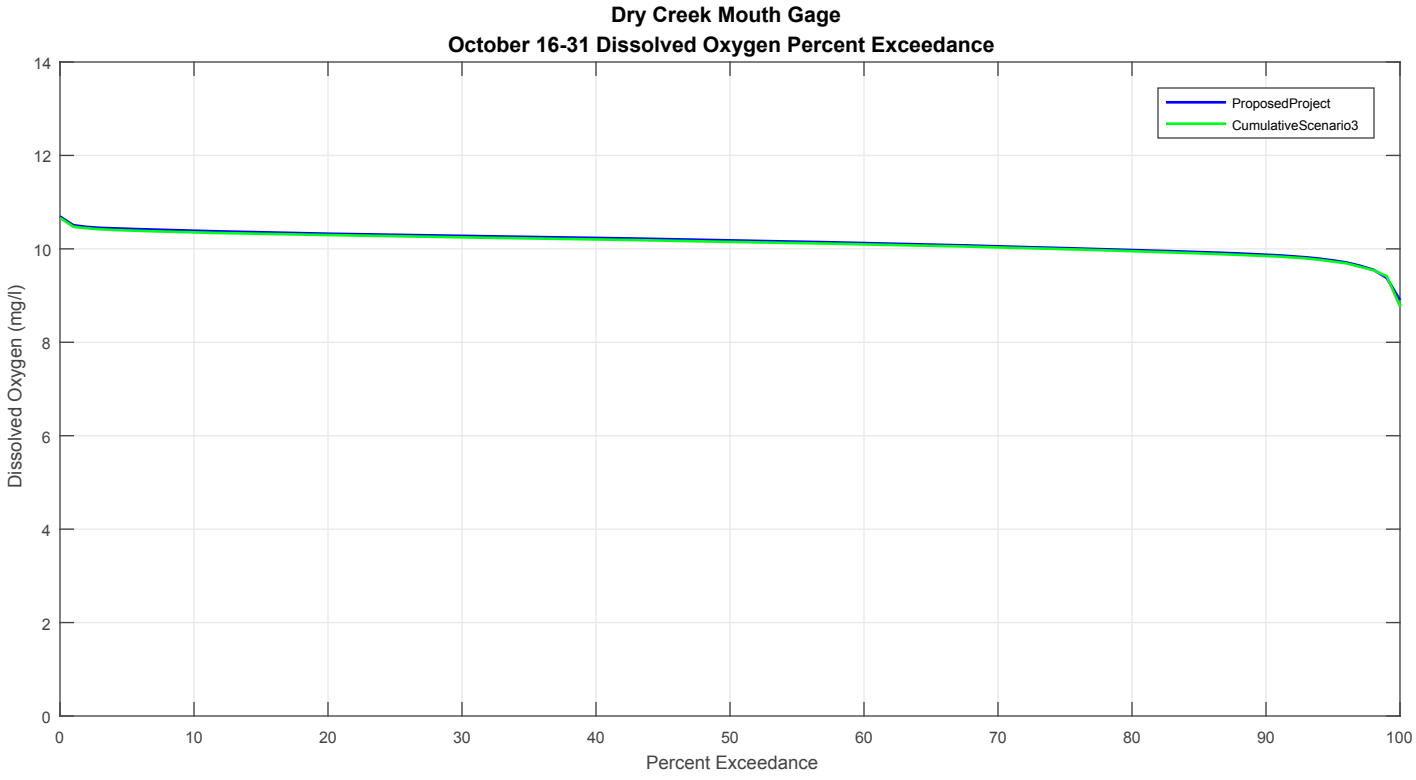
70
80
90
100

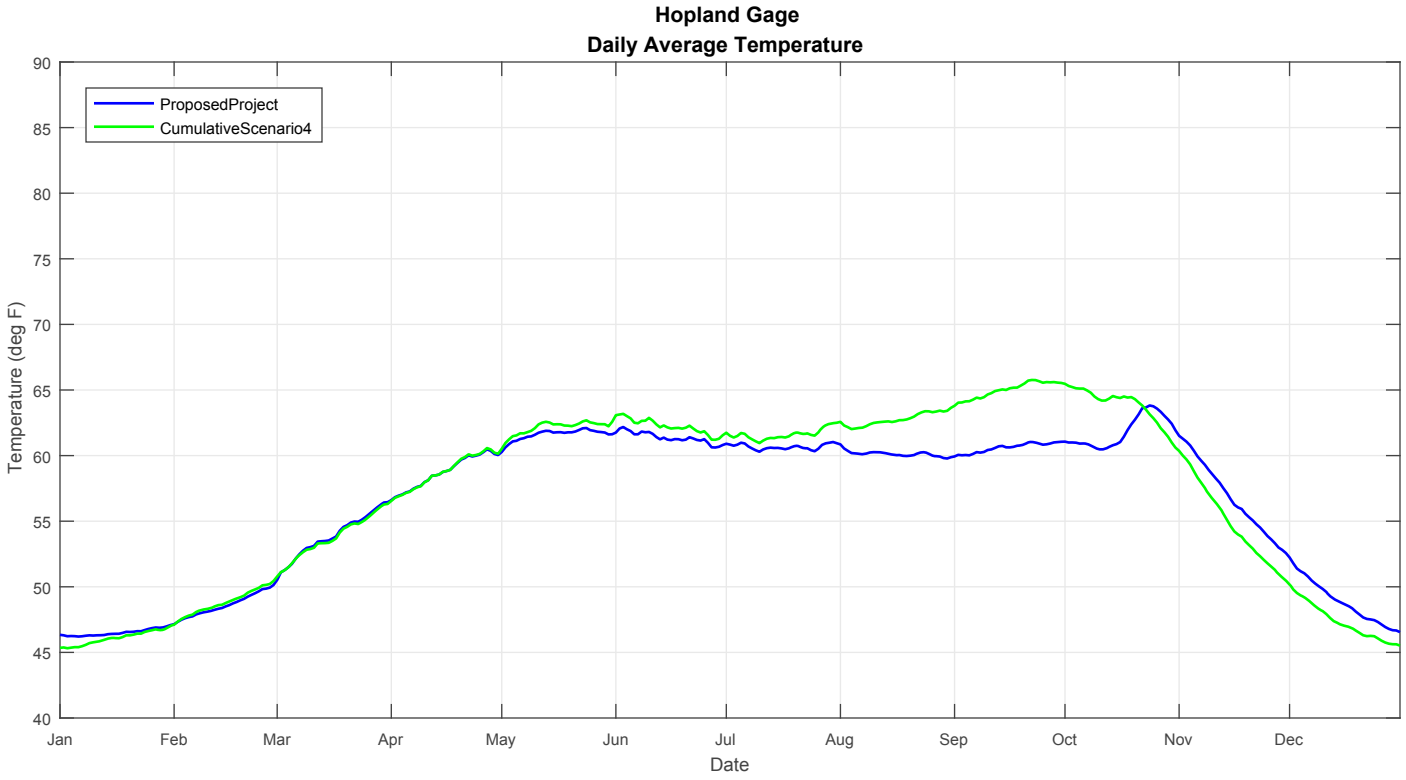

Dry Creek Mouth Gage
October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario3
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
14
0
10
20
30
40
50
60
70
80
90
100

**Errata Item 8**

**Appendix G, Modeling Reports**

**Russian River Hydrologic Modeling for the Fish Habitat Flow and Water Rights Project, Attachment 7**

**Pages: 15 - 19, 22 - 26, 119 - 163, 177 - 221**


Hopland Gage
Daily Average Temperature
ProposedProject
CumulativeScenario4
Temperature (deg F)
90
85
80
75
70
65
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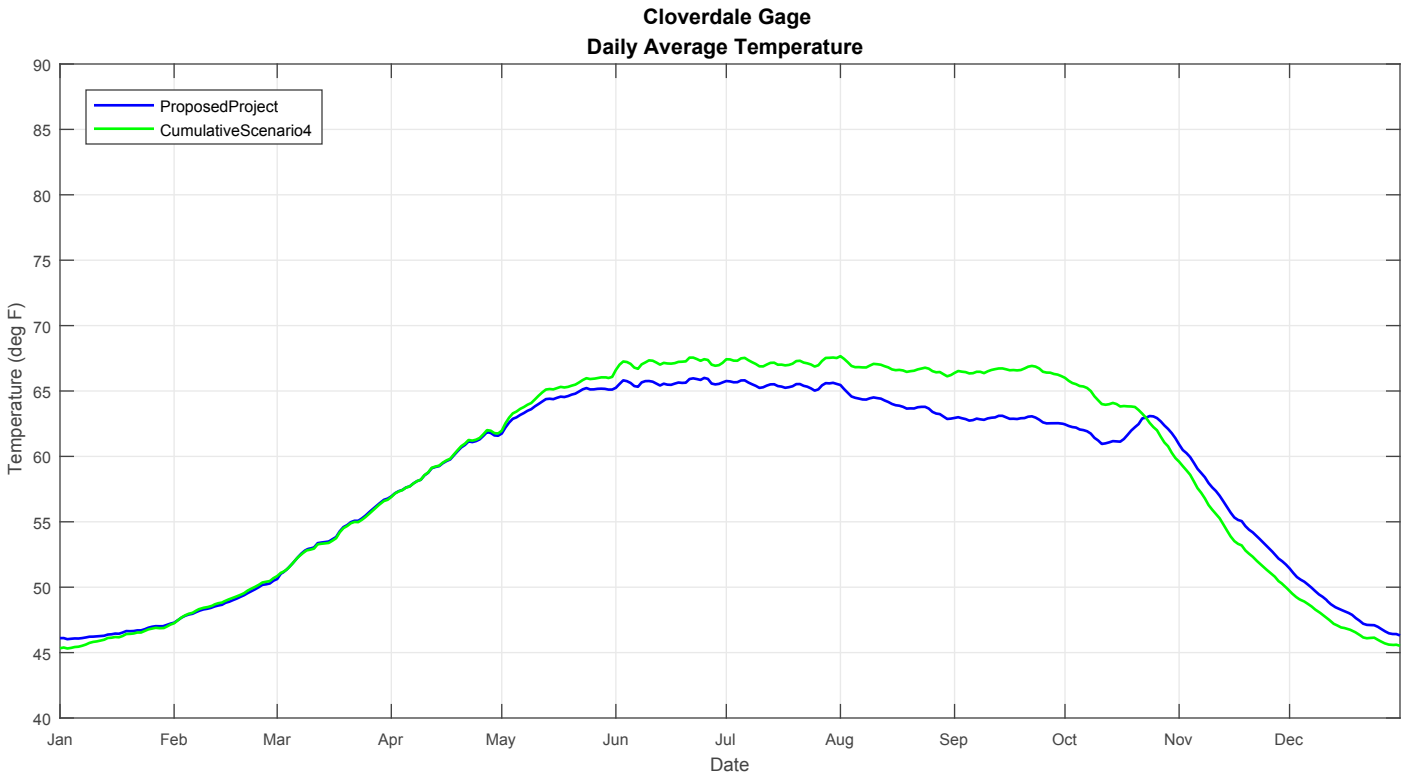
50
45
40
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date


Cloverdale Gage
Daily Average Temperature
ProposedProject
CumulativeScenario4
Temperature (deg F)
90
85
80
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45
40
Jan
Feb
Mar
Apr
May
Jun
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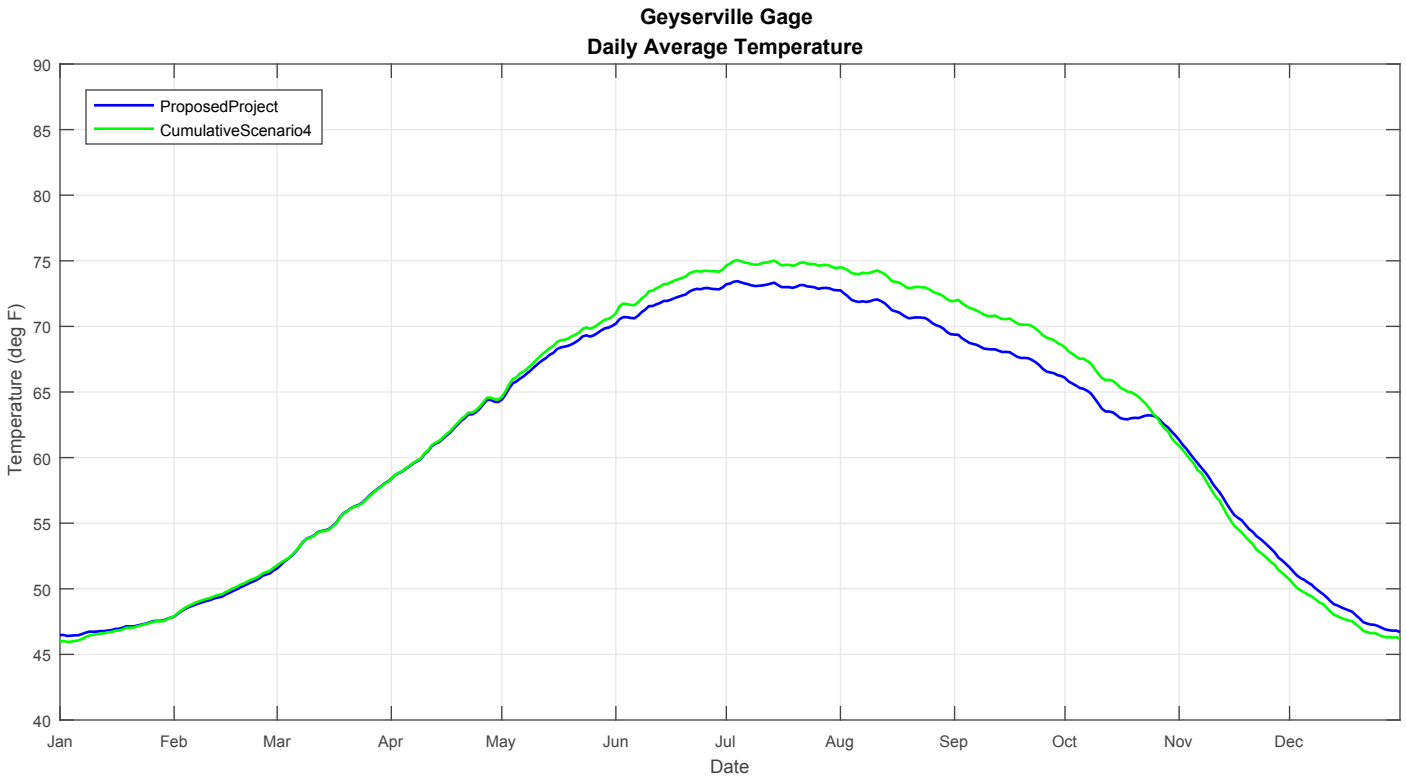
Aug
Sep
Oct
Nov
Dec
Date


Geyserville Gage
Daily Average Temperature
ProposedProject
CumulativeScenario4
Temperature (deg F)
90
85
80
75
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45
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Jan
Feb
Mar
Apr
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Jun
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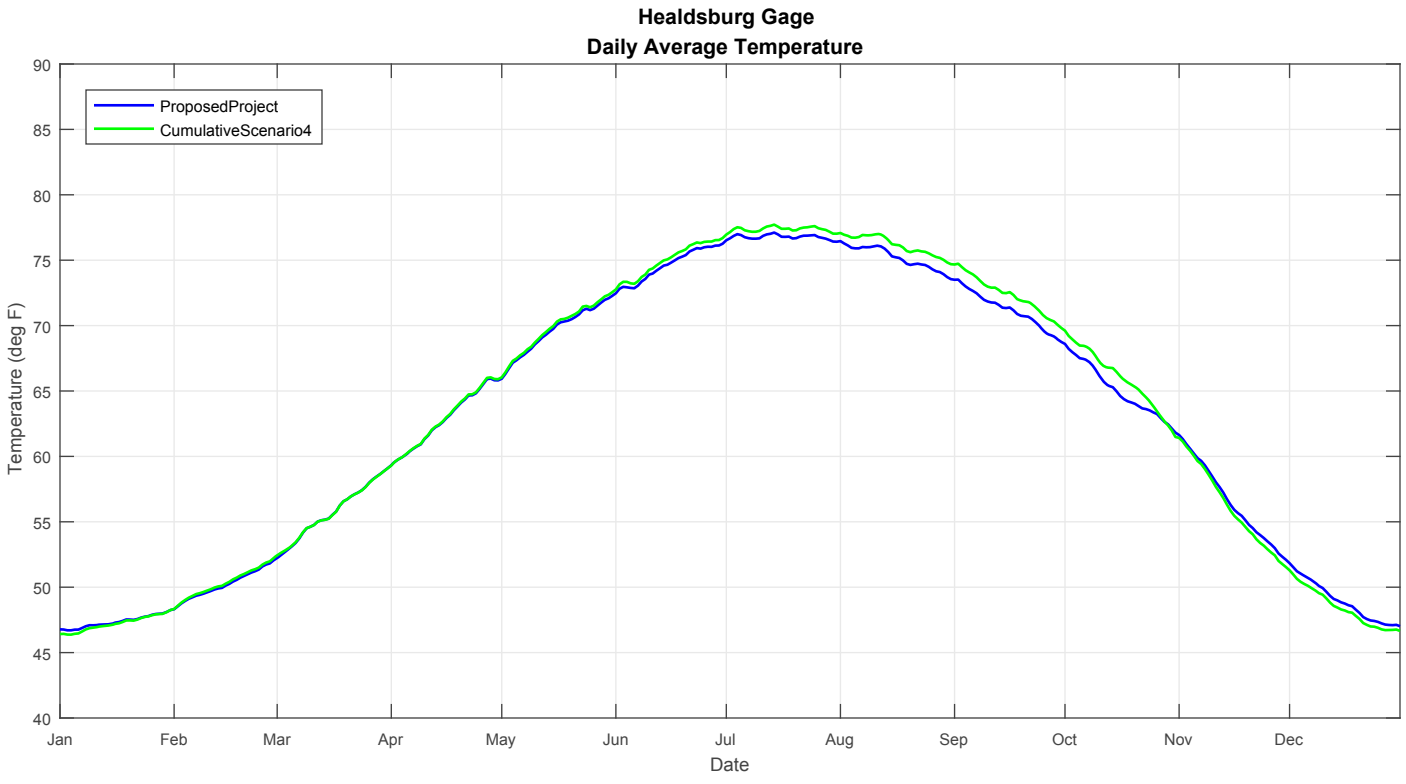
Aug
Sep
Oct
Nov
Dec
Date


Healdsburg Gage
Daily Average Temperature
ProposedProject
CumulativeScenario4
Temperature (deg F)
90
85
80
75
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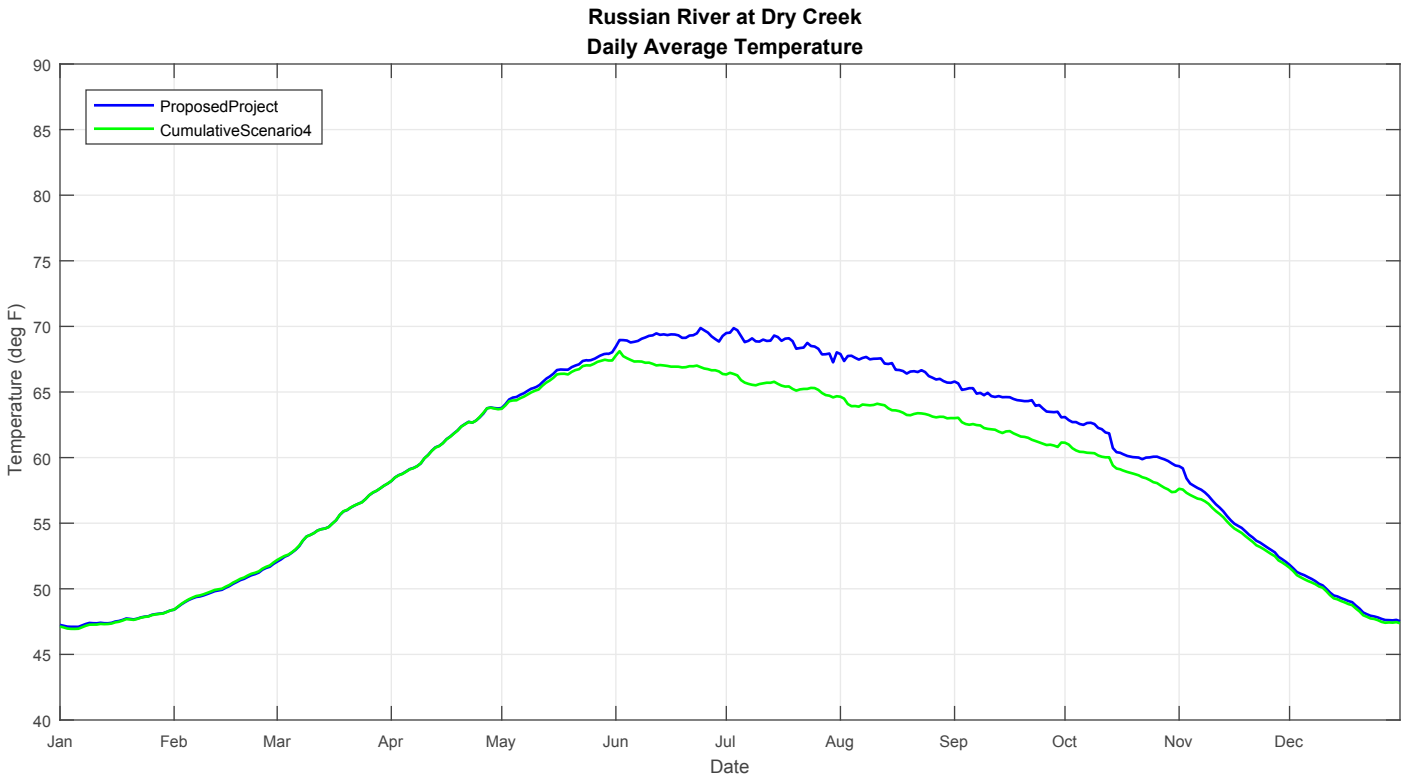
55
50
45
40
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Date


Russian River at Dry Creek
Daily Average Temperature
ProposedProject
CumulativeScenario4
Temperature (deg F)
90
85
80
75
70
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50
45
40
Jan
Feb
Mar
Apr
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Jun
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Oct
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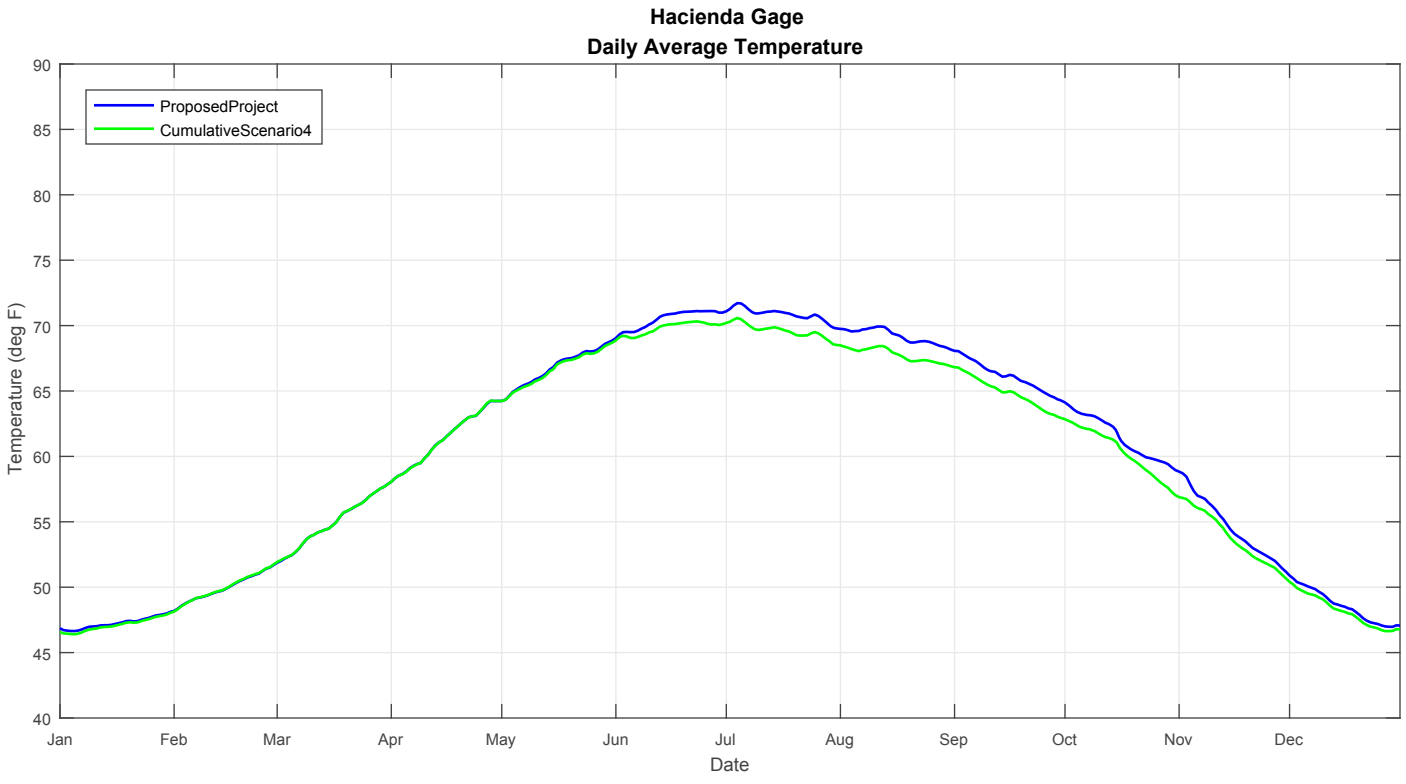
Dec
Date


Hacienda Gage
Daily Average Temperature
ProposedProject
CumulativeScenario4
Temperature (deg F)
90
85
80
75
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Jan
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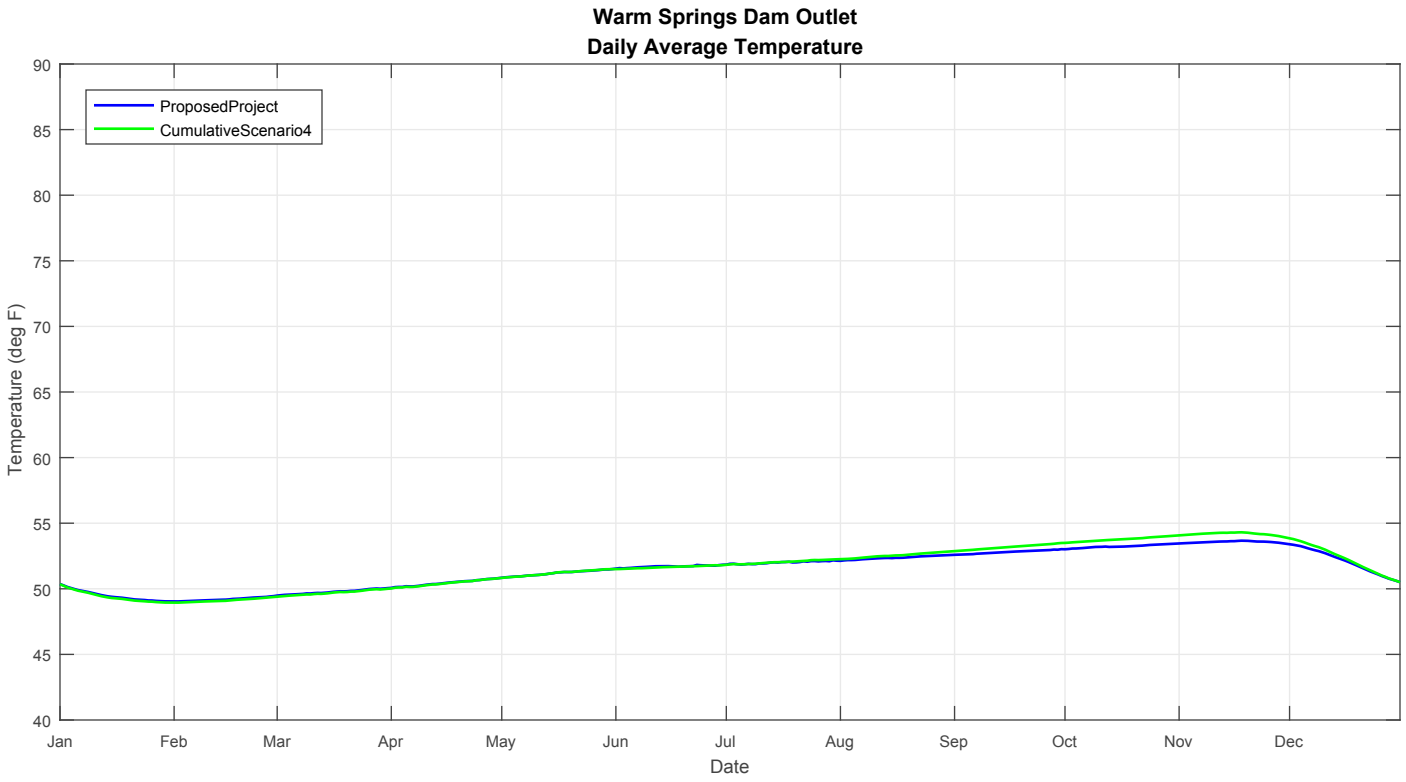
Oct
Nov
Dec
Date


Warm Springs Dam Outlet
Daily Average Temperature
ProposedProject
CumulativeScenario4
Temperature (deg F)
90
85
80
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50
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40
Jan
Feb
Mar
Apr
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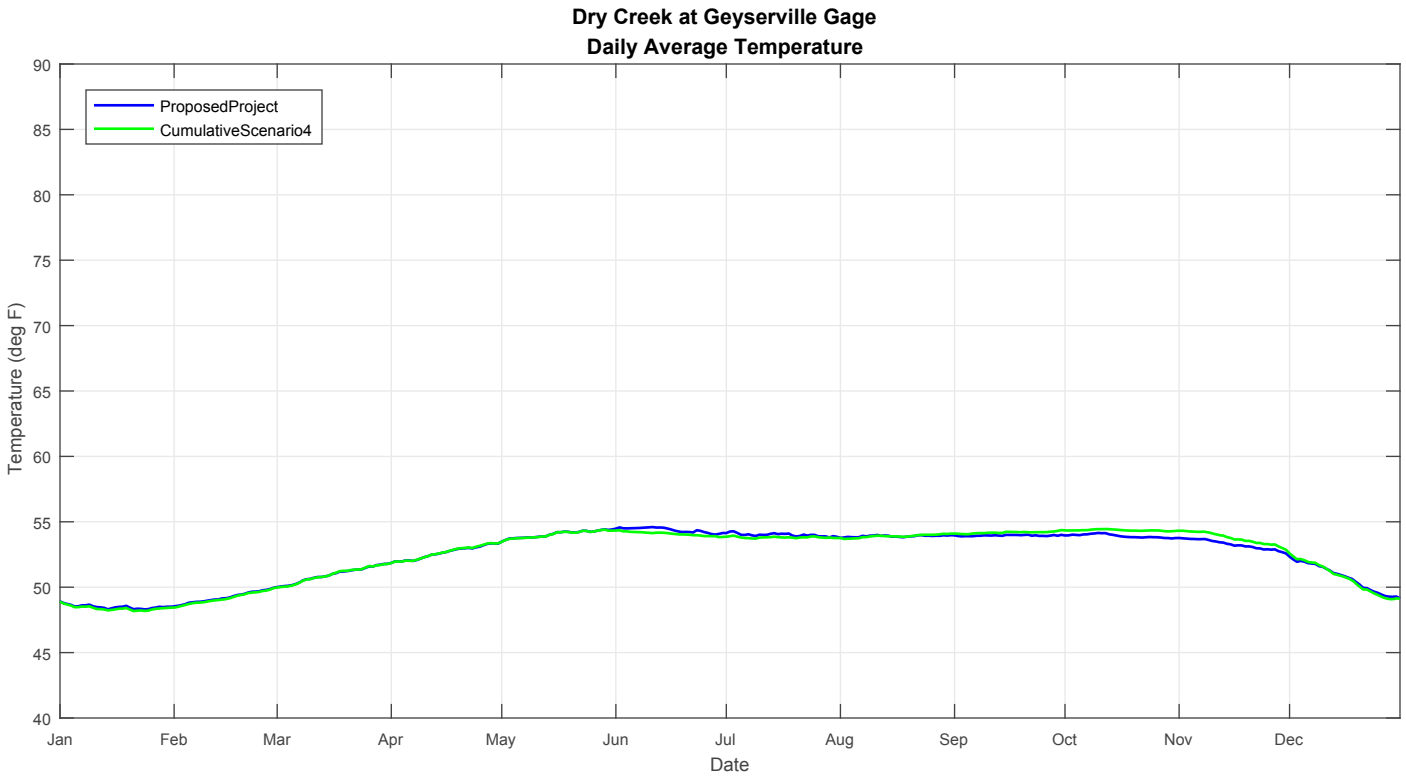
Dec
Date


Dry Creek at Geyserville Gage
Daily Average Temperature
ProposedProject
CumulativeScenario4
Temperature (deg F)
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85
80
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50
45
40
Jan
Feb
Mar
Apr
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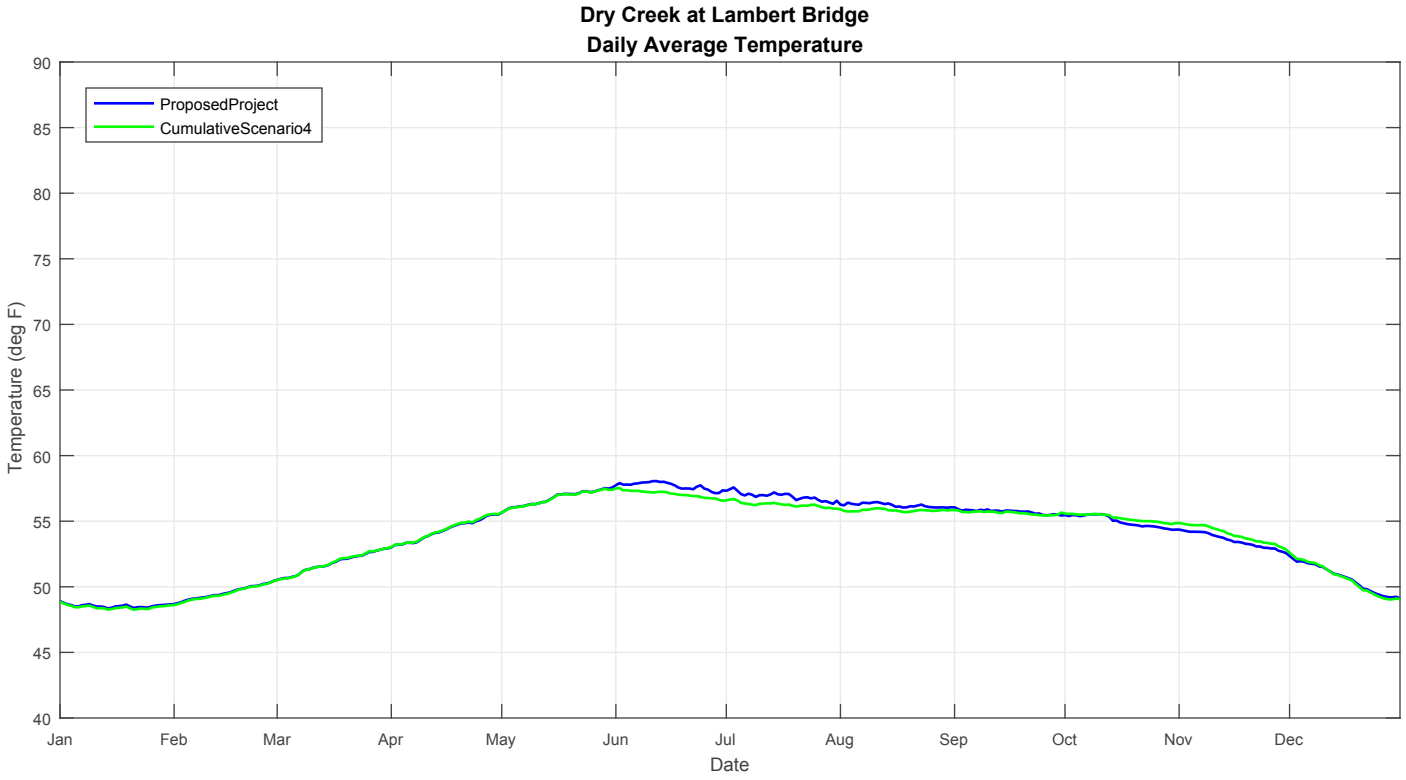
Oct
Nov
Dec
Date


Dry Creek at Lambert Bridge
Daily Average Temperature
ProposedProject
CumulativeScenario4
Temperature (deg F)
90
85
80
75
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50
45
40
Jan
Feb
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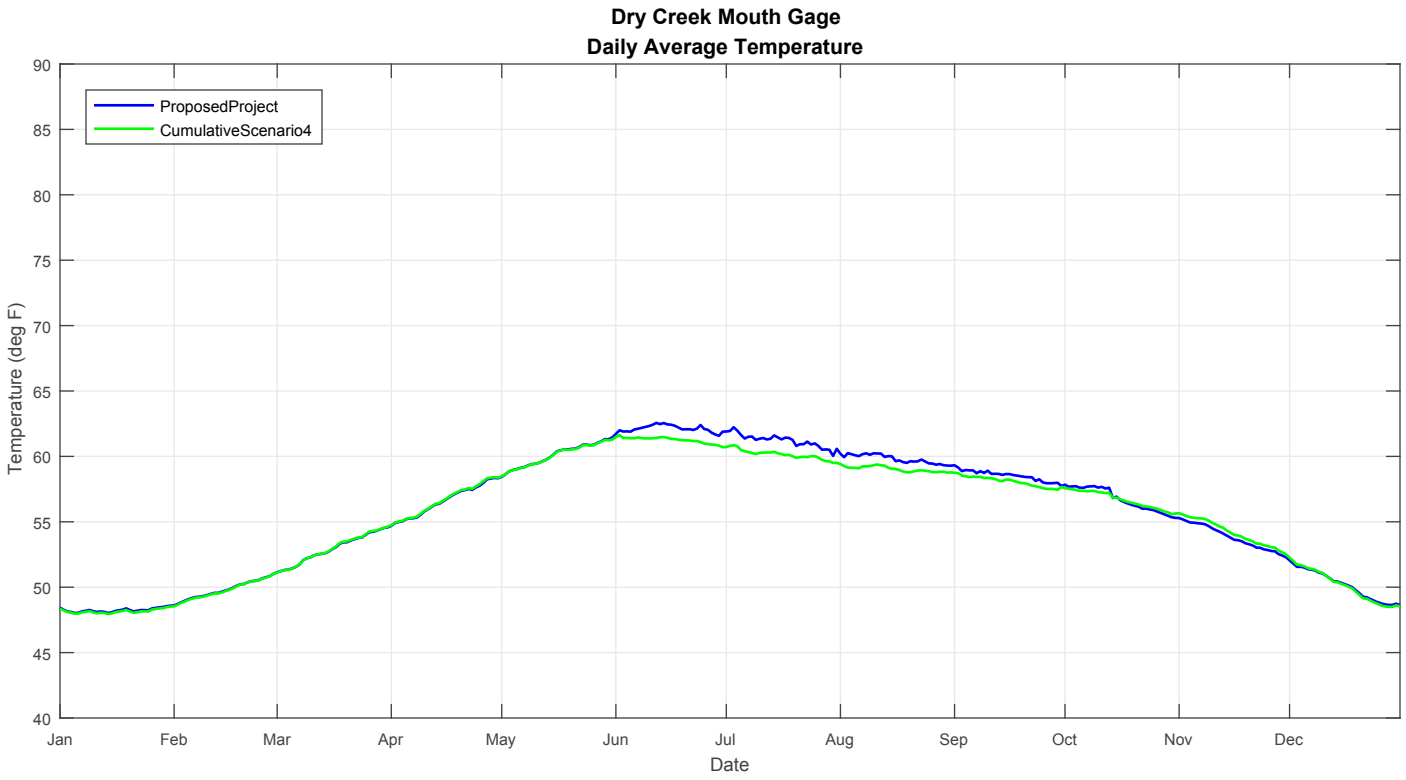
Date


Dry Creek Mouth Gage
Daily Average Temperature
ProposedProject
CumulativeScenario4
Temperature (deg F)
90
85
80
75
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45
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Jan
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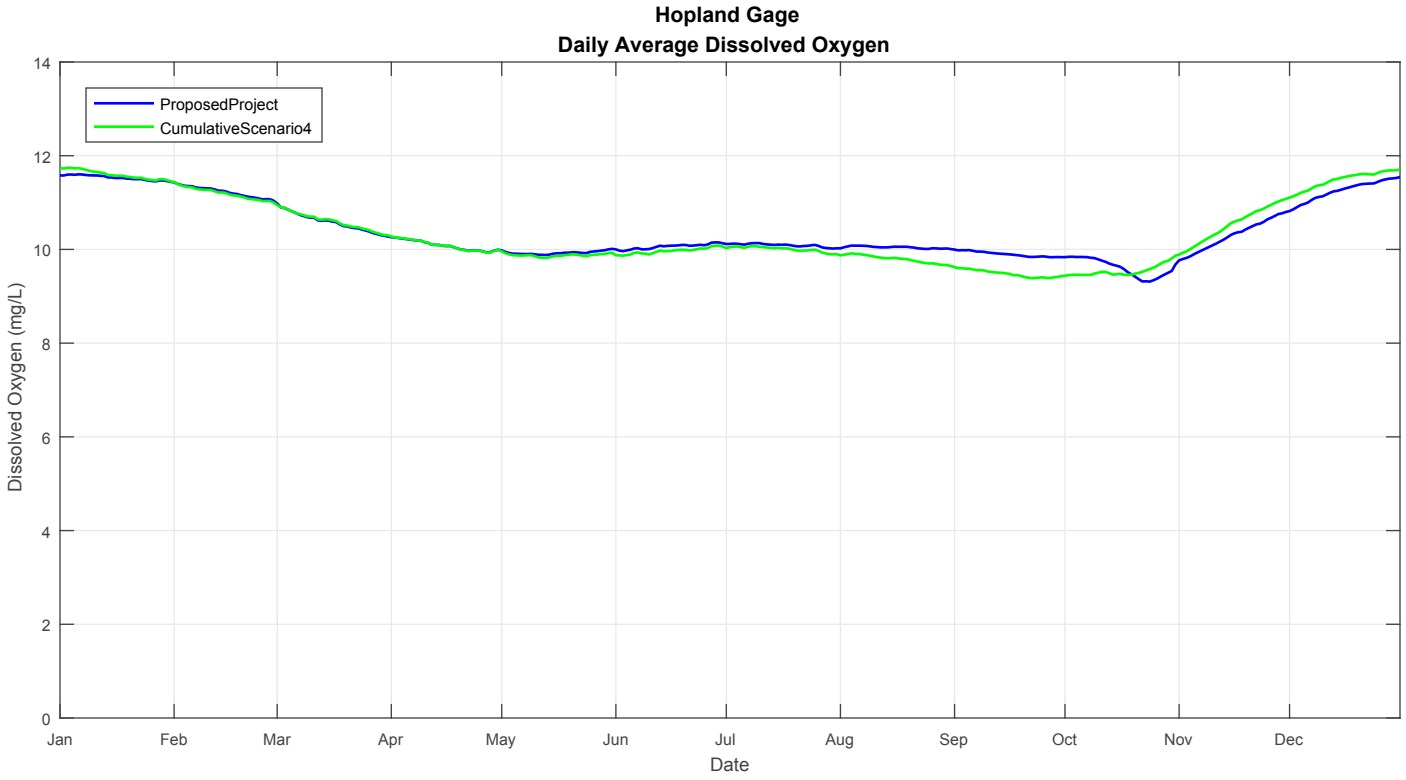
Dec
Date


Hopland Gage
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/L)
0
2
4
6
8
10
12
14
Jan
Feb
Mar
Apr
May
Jun
Jul
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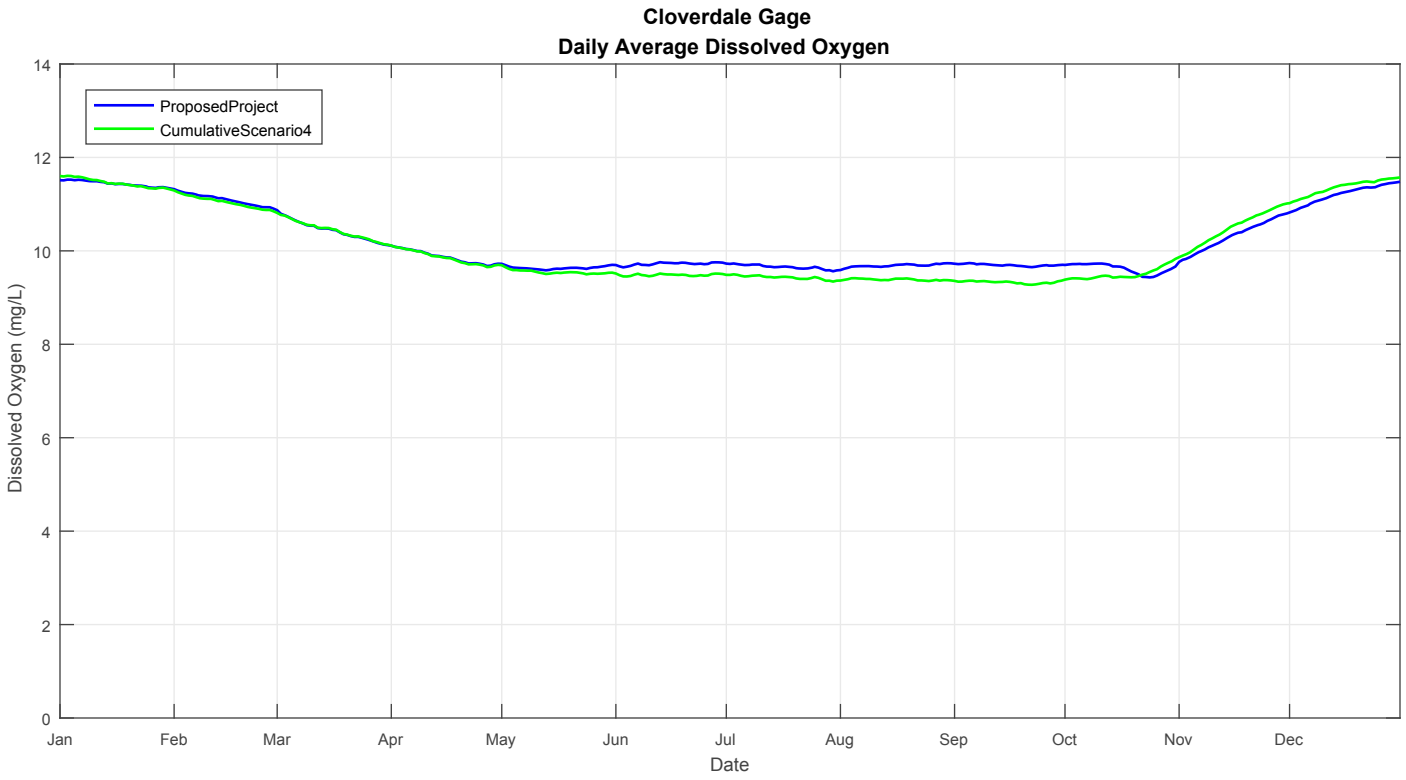
Oct
Nov
Dec
Date


Cloverdale Gage
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/L)
0
2
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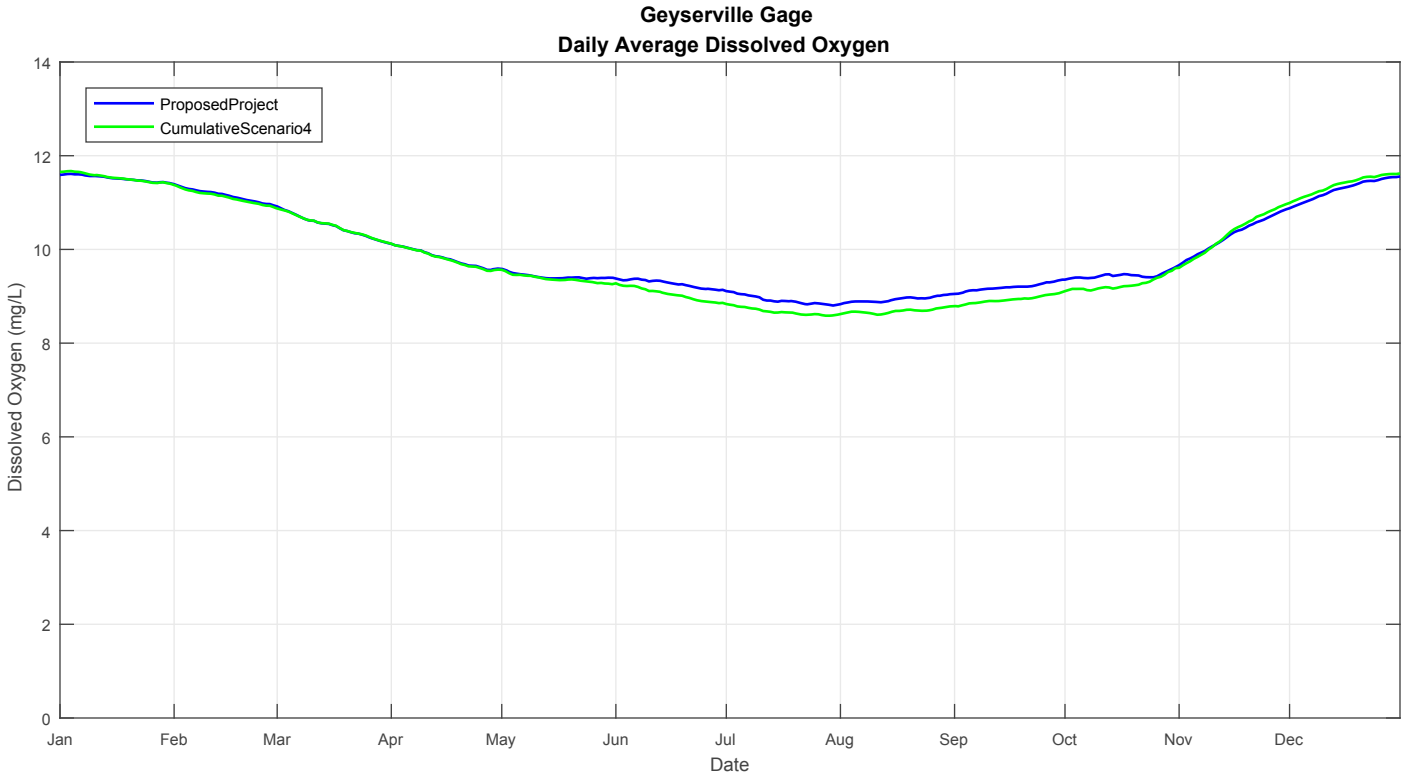
Geyserville Gage
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/L)
0
2
4
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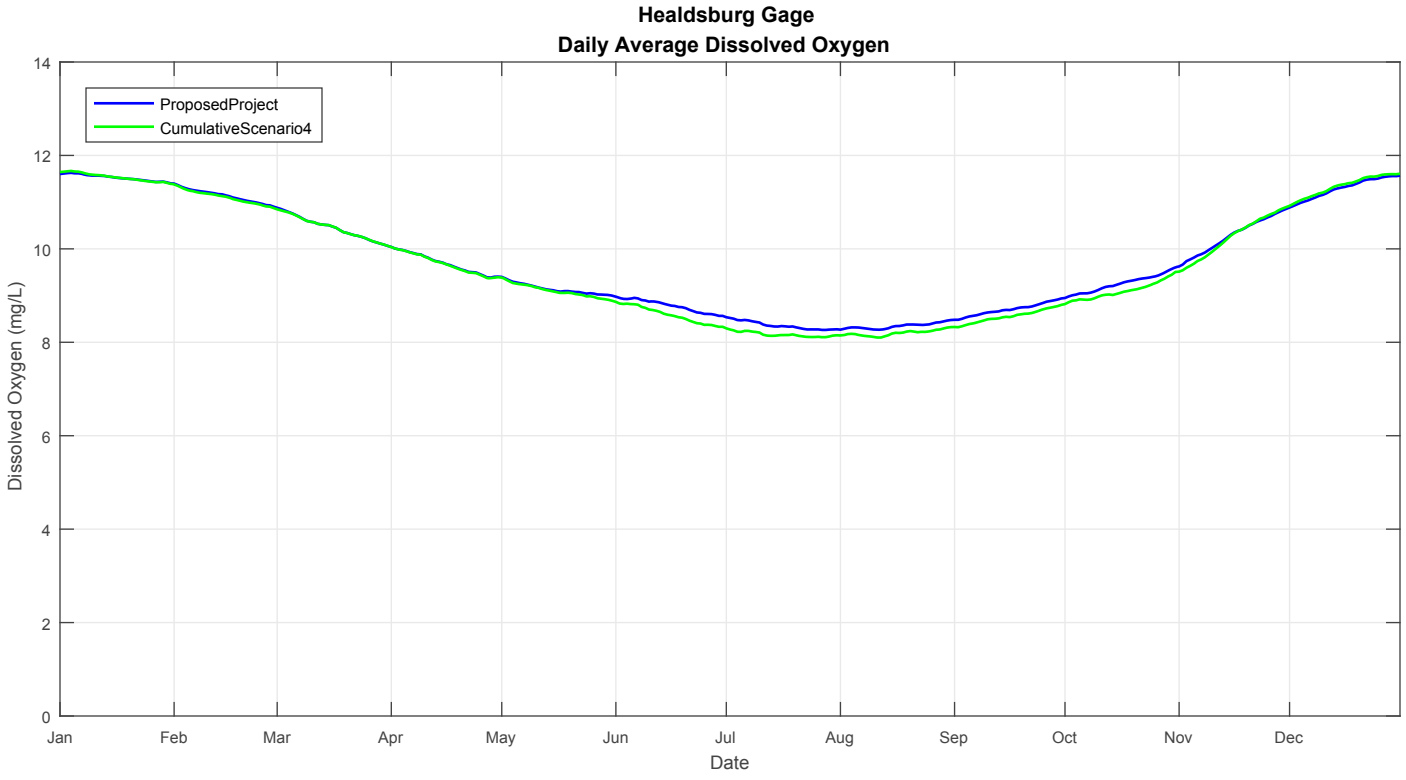
Dec
Date


Healdsburg Gage
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/L)
0
2
4
6
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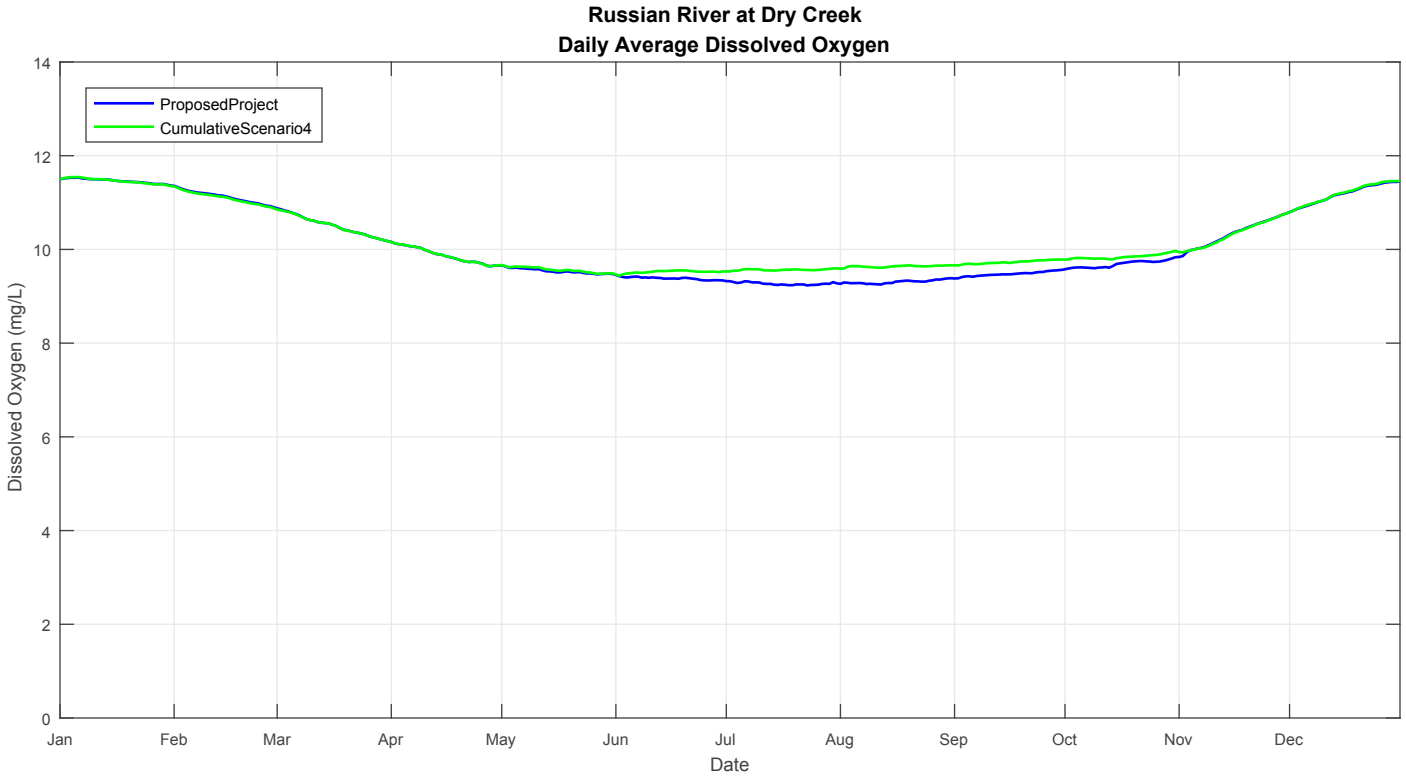
Russian River at Dry Creek
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/L)
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12
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Jan
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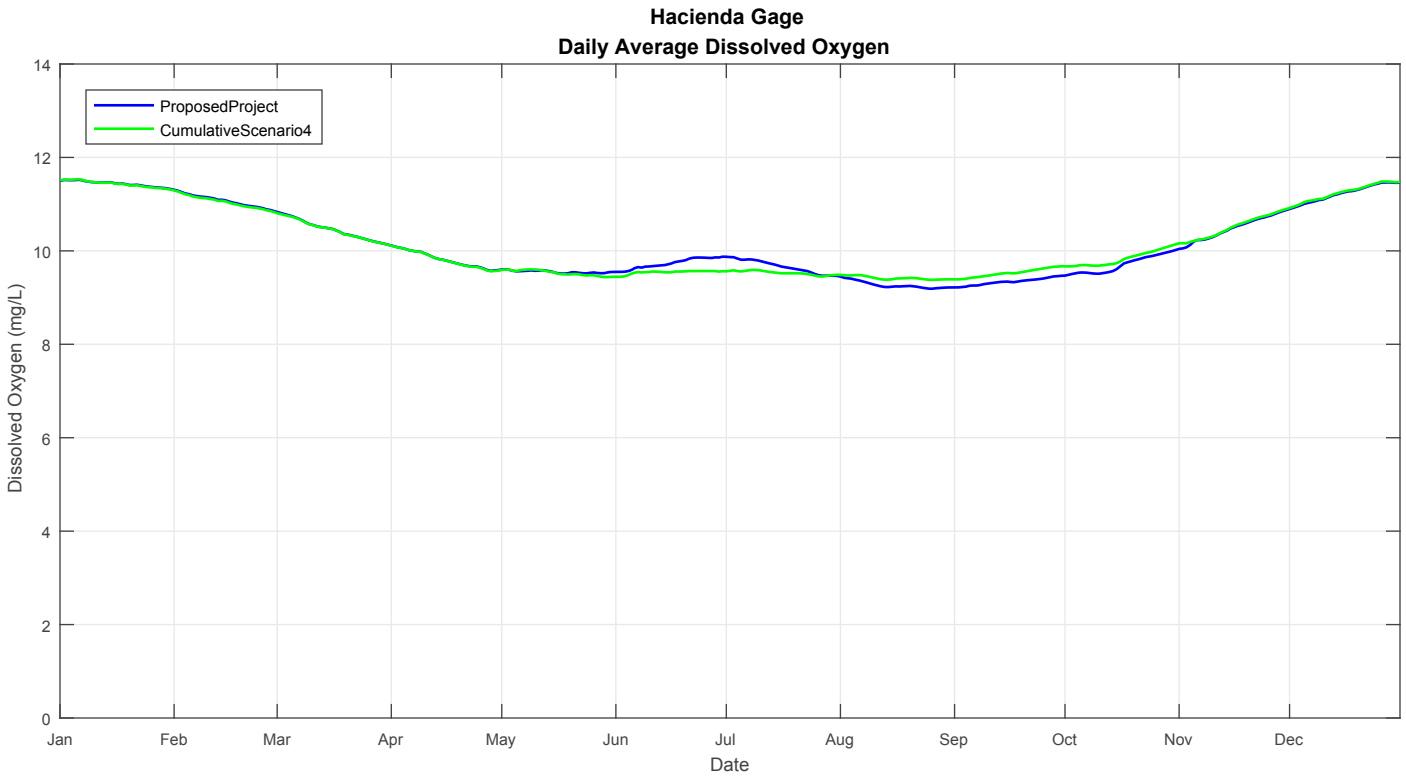
Hacienda Gage
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/L)
0
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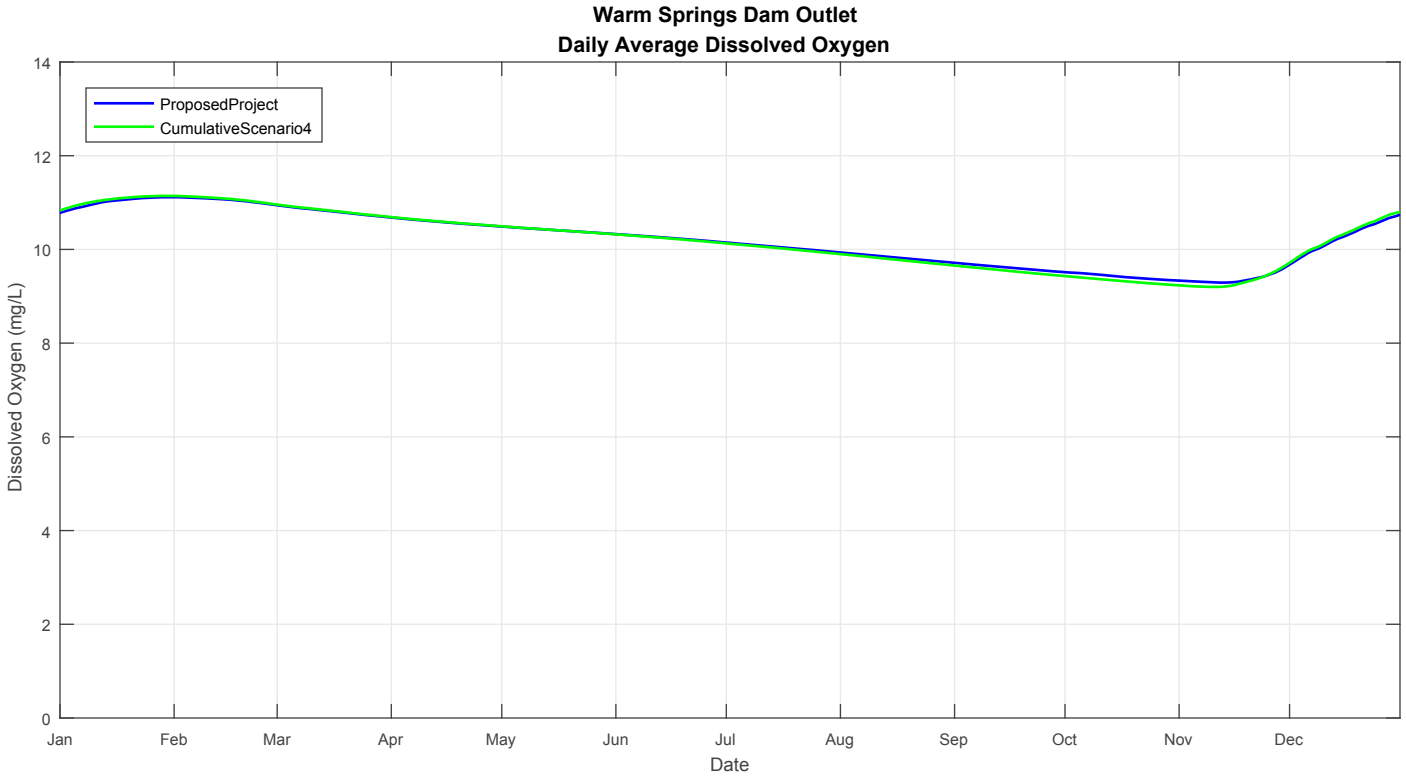
Warm Springs Dam Outlet
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/L)
0
2
4
6
8
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12
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Apr
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Jun
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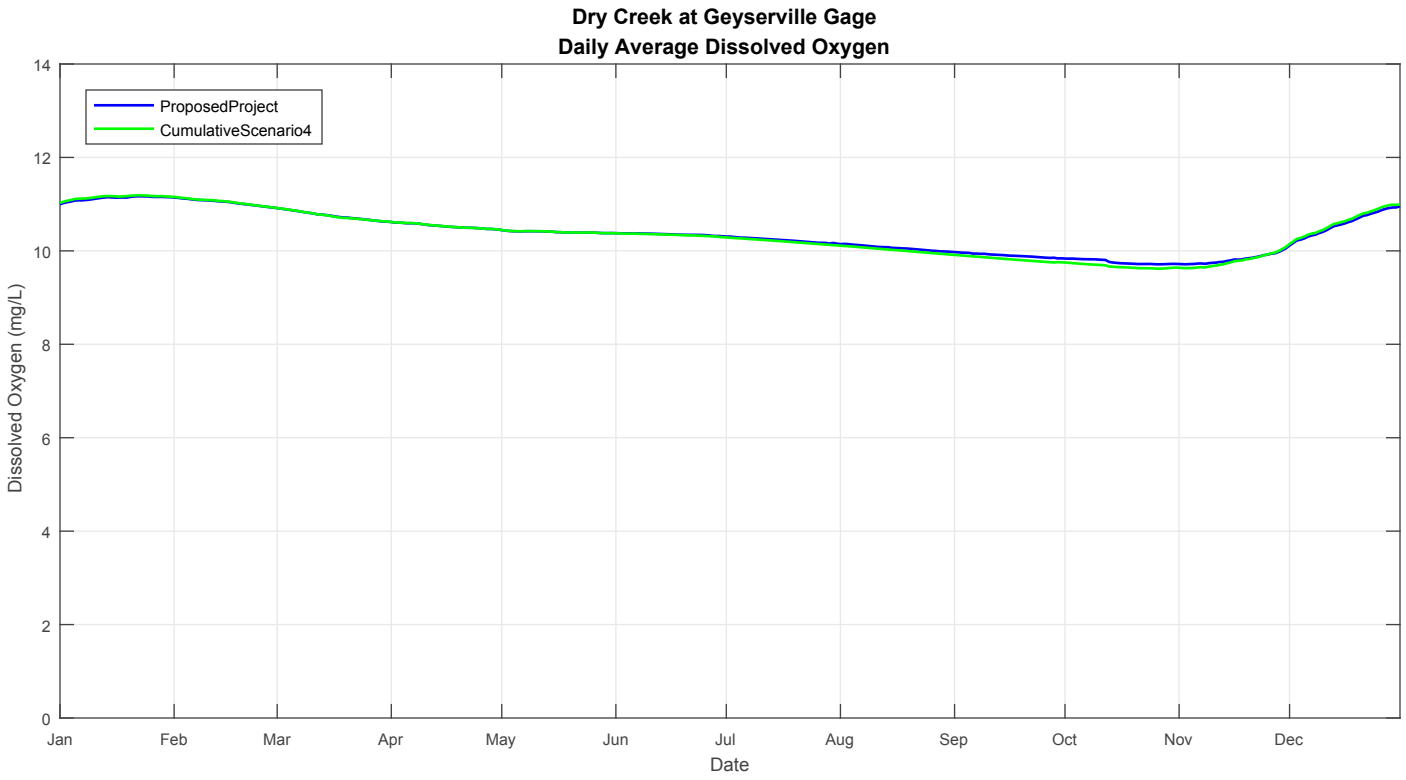
Dry Creek at Geyserville Gage
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/L)
0
2
4
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12
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Jan
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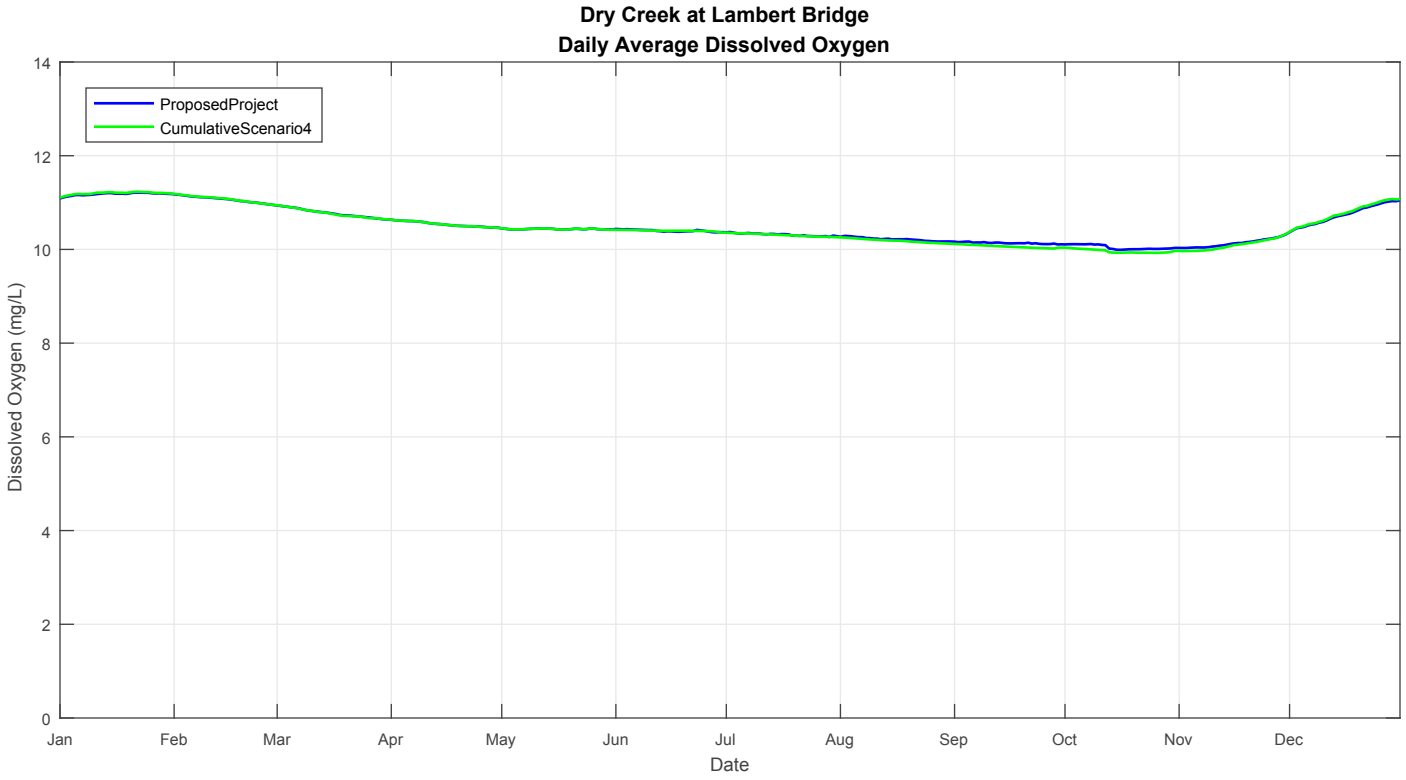
Date


Dry Creek at Lambert Bridge
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/L)
0
2
4
6
8
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12
14
Jan
Feb
Mar
Apr
May
Jun
Jul
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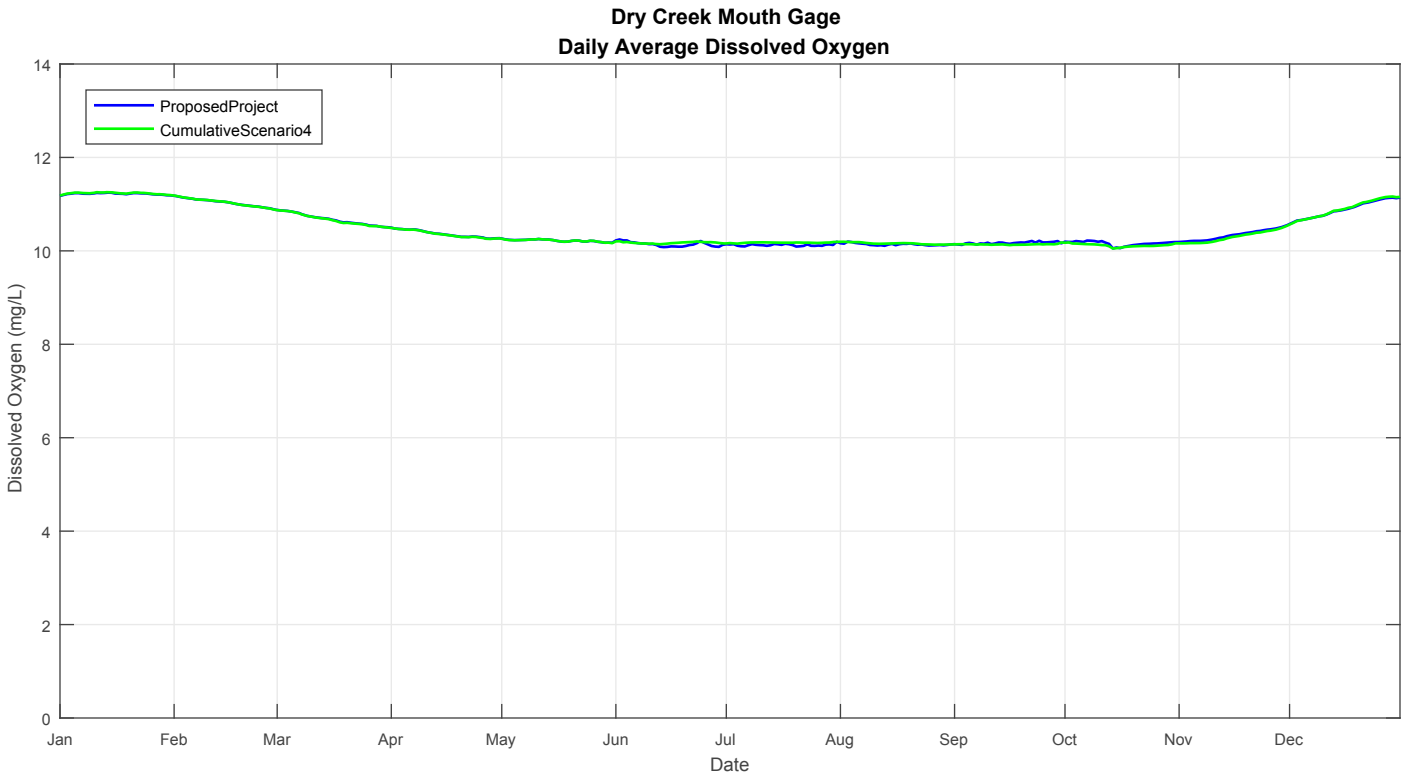
Oct
Nov
Dec
Date


Dry Creek Mouth Gage
Daily Average Dissolved Oxygen
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/L)
0
2
4
6
8
10
12
14
Jan
Feb
Mar
Apr
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Jun
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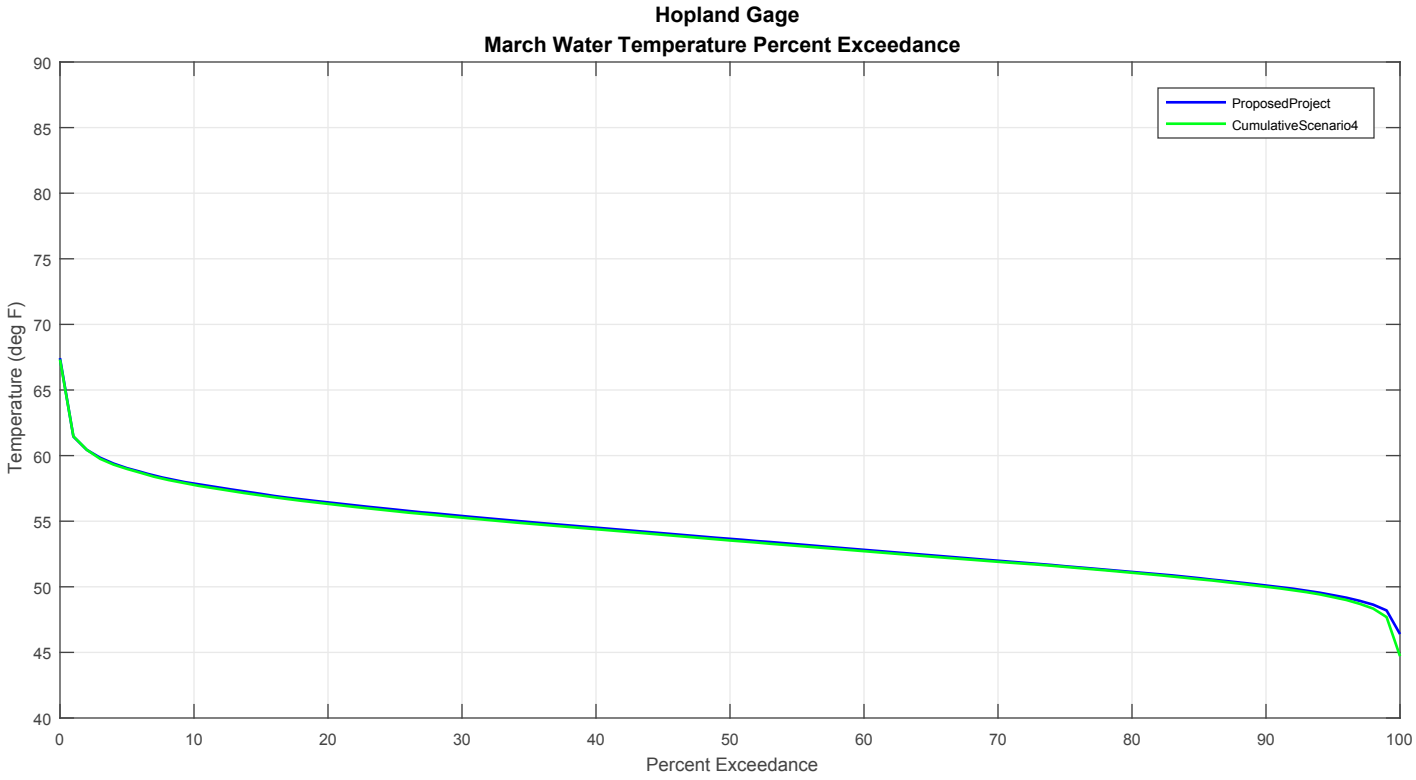
Dec
Date


Hopland Gage
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
90
85
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90
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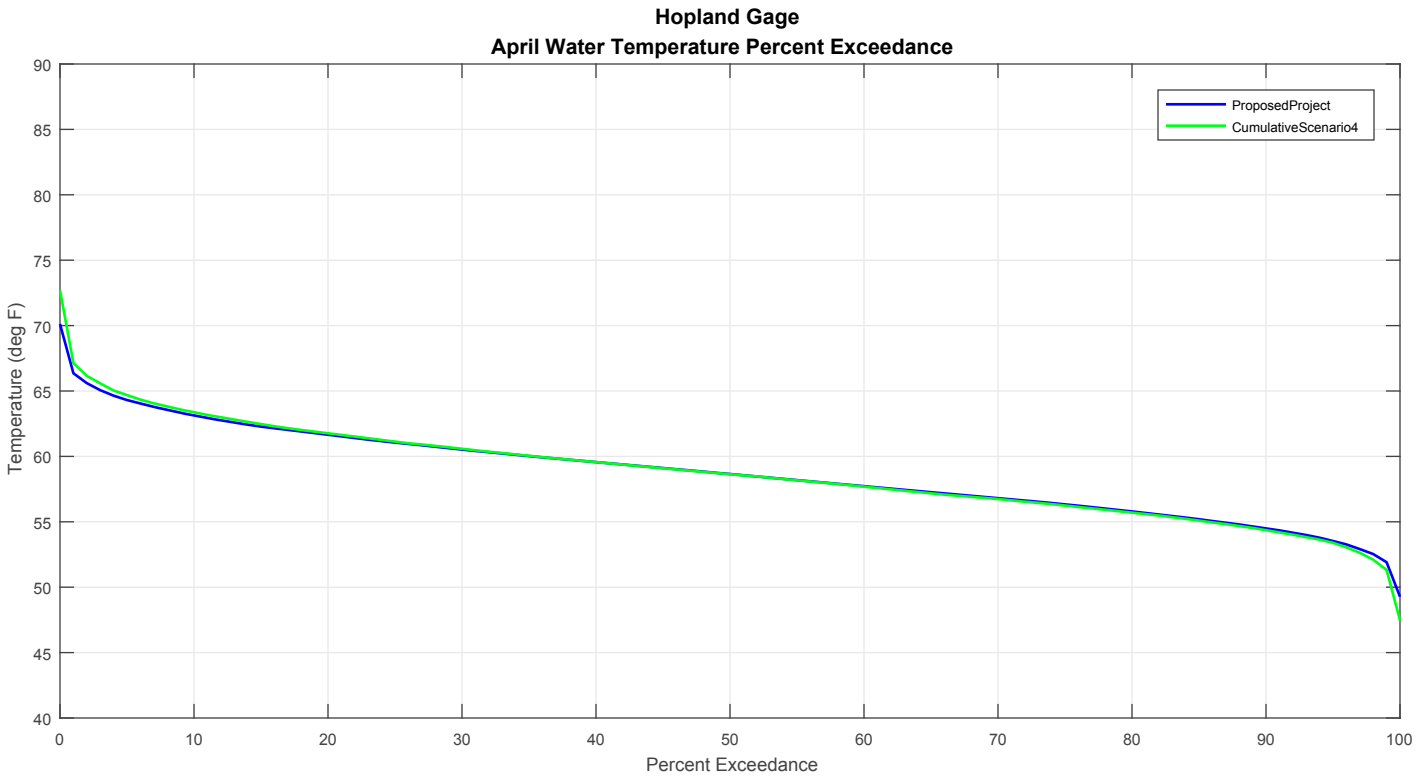
Hopland Gage
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
90
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80
90
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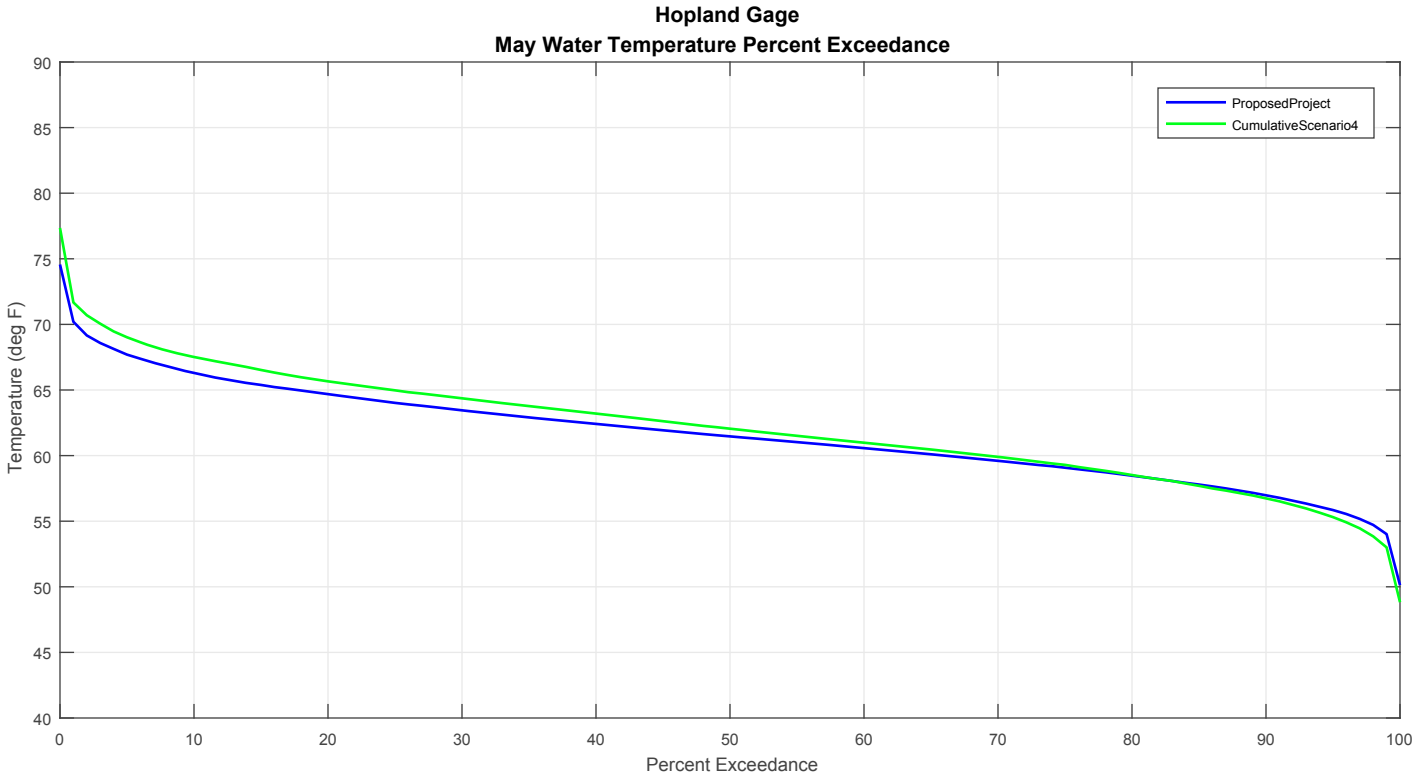
Hopland Gage
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
90
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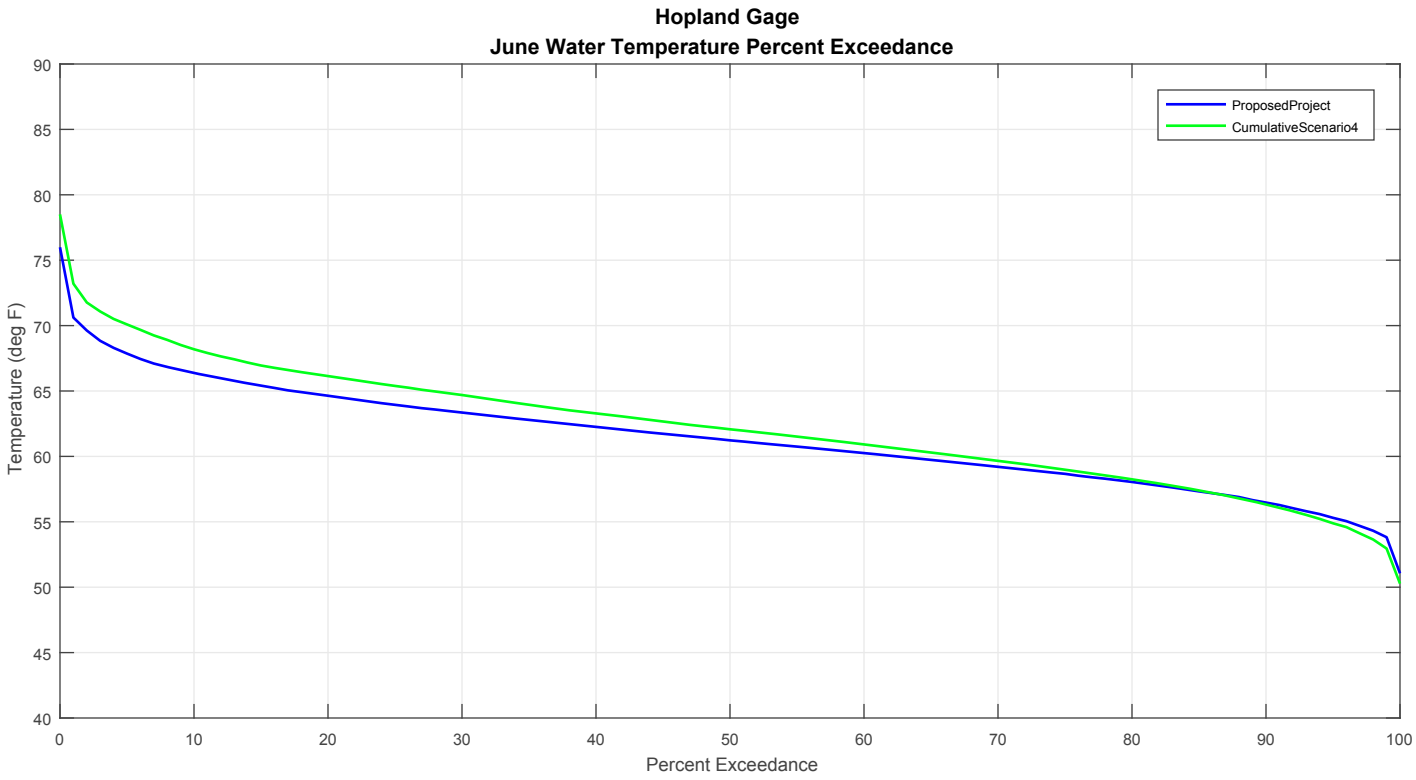
80
90
100


Hopland Gage
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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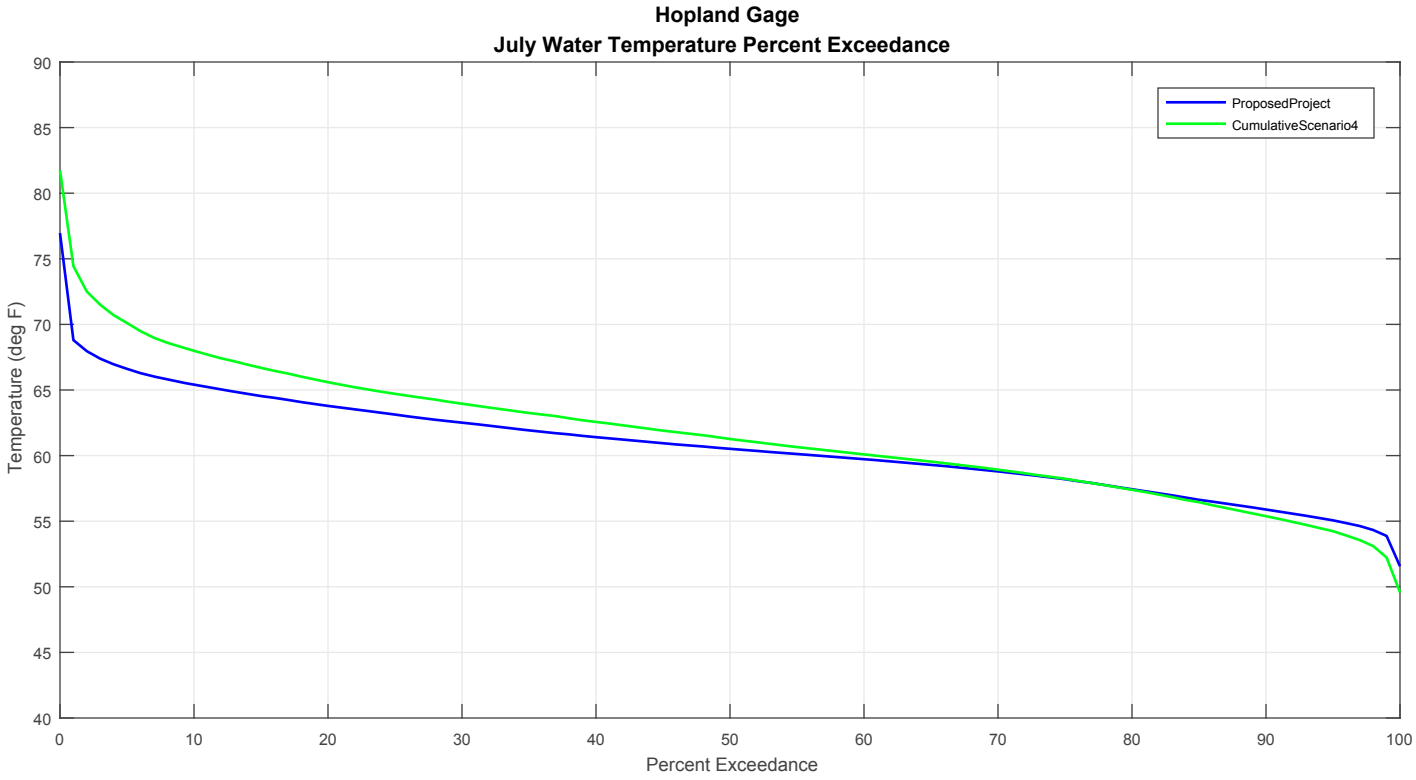
Hopland Gage
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
90
85
80
75
70
65
60
55
50
45
40
0
10
20
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40
50
60
70
80
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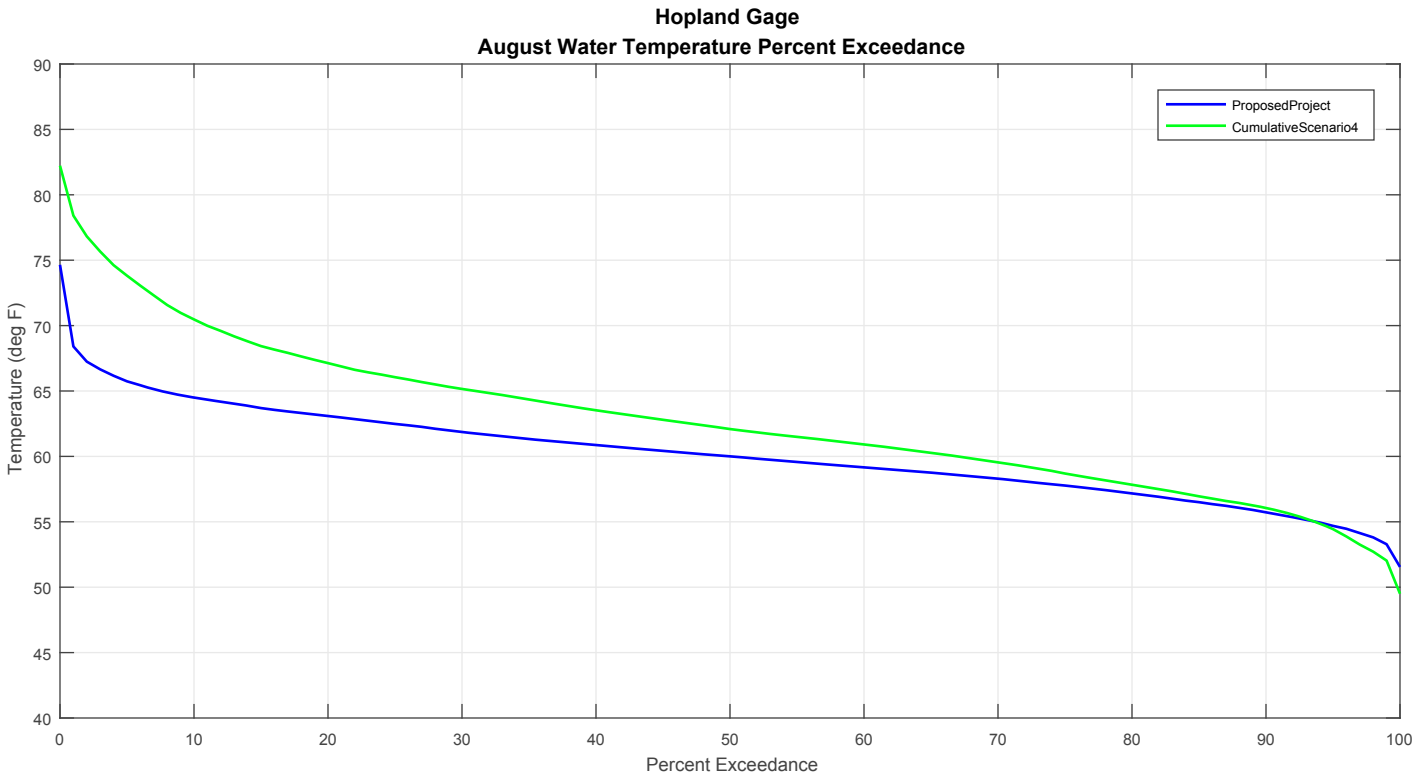
Hopland Gage
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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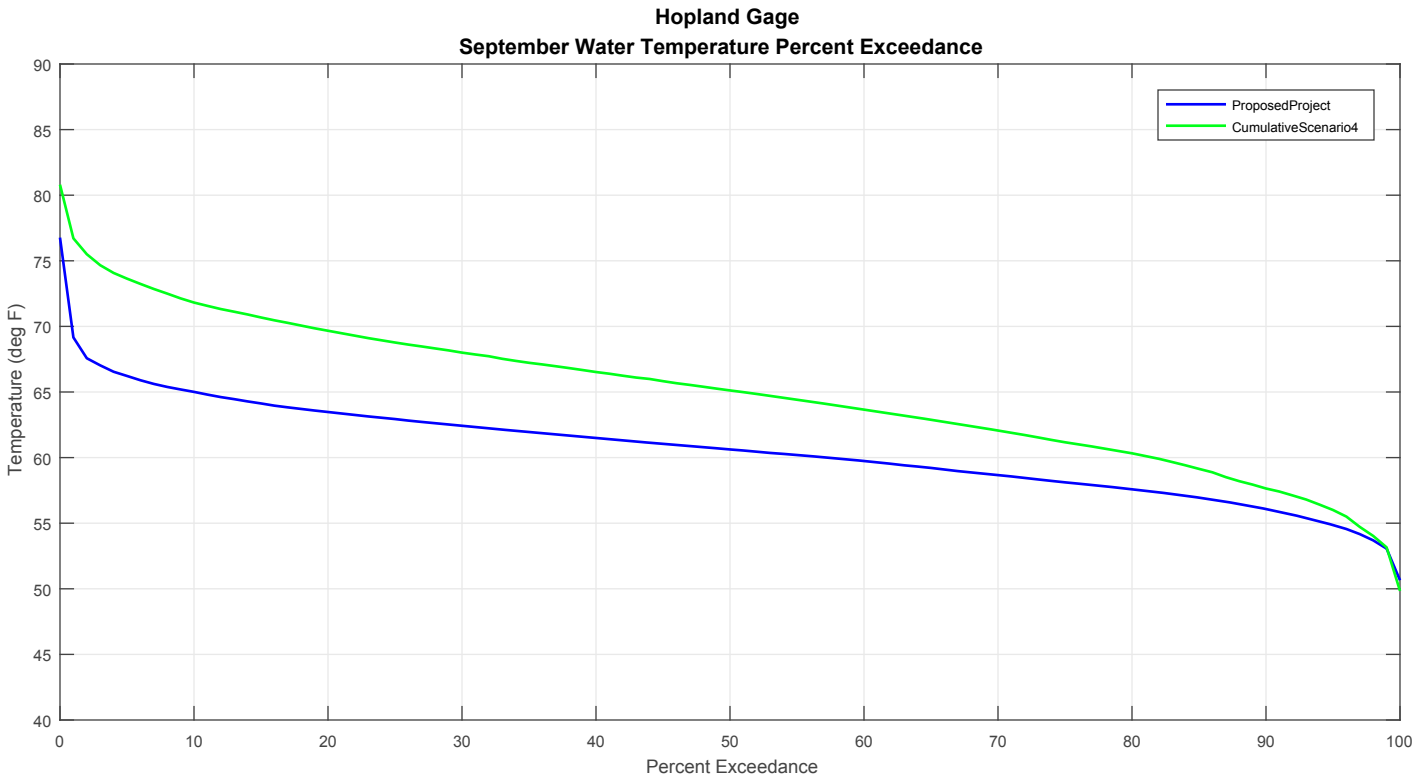
Hopland Gage
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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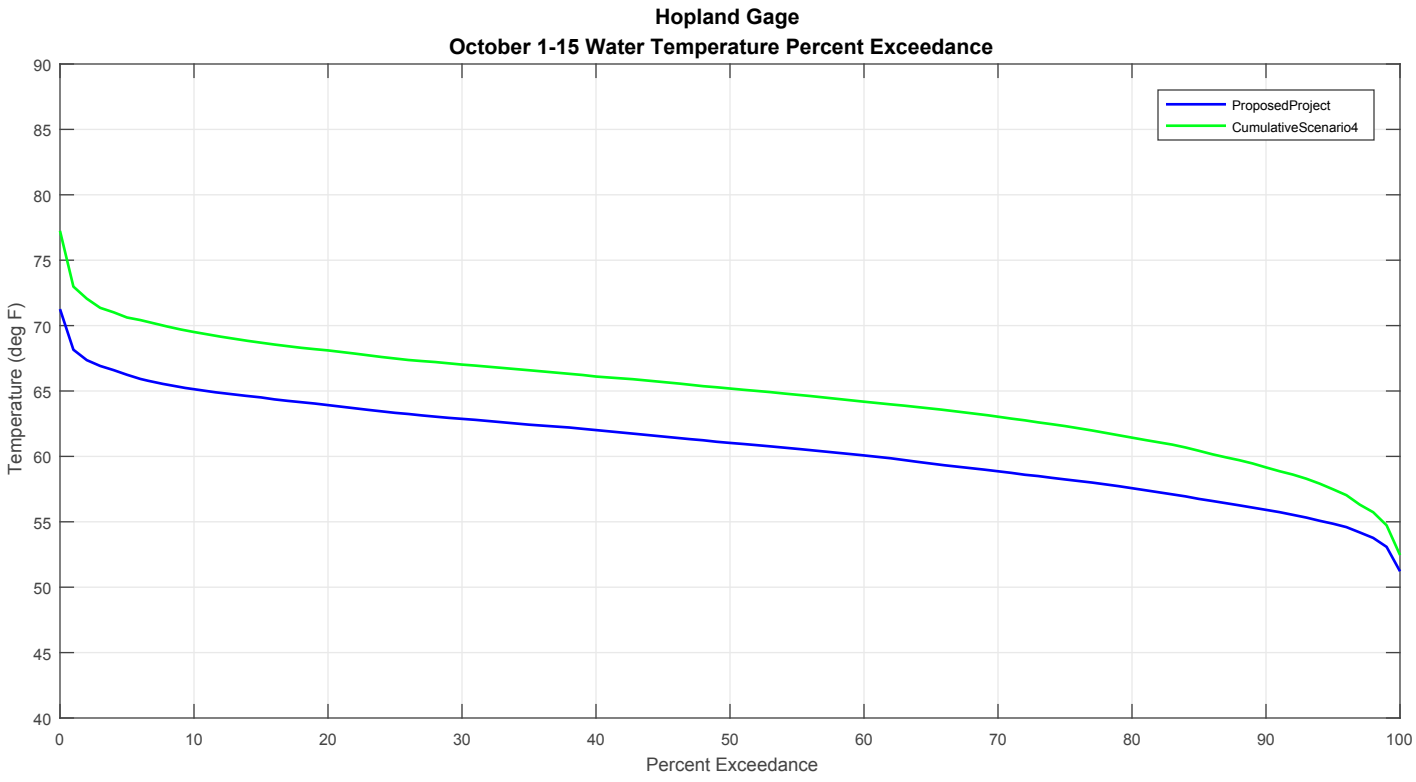
Hopland Gage
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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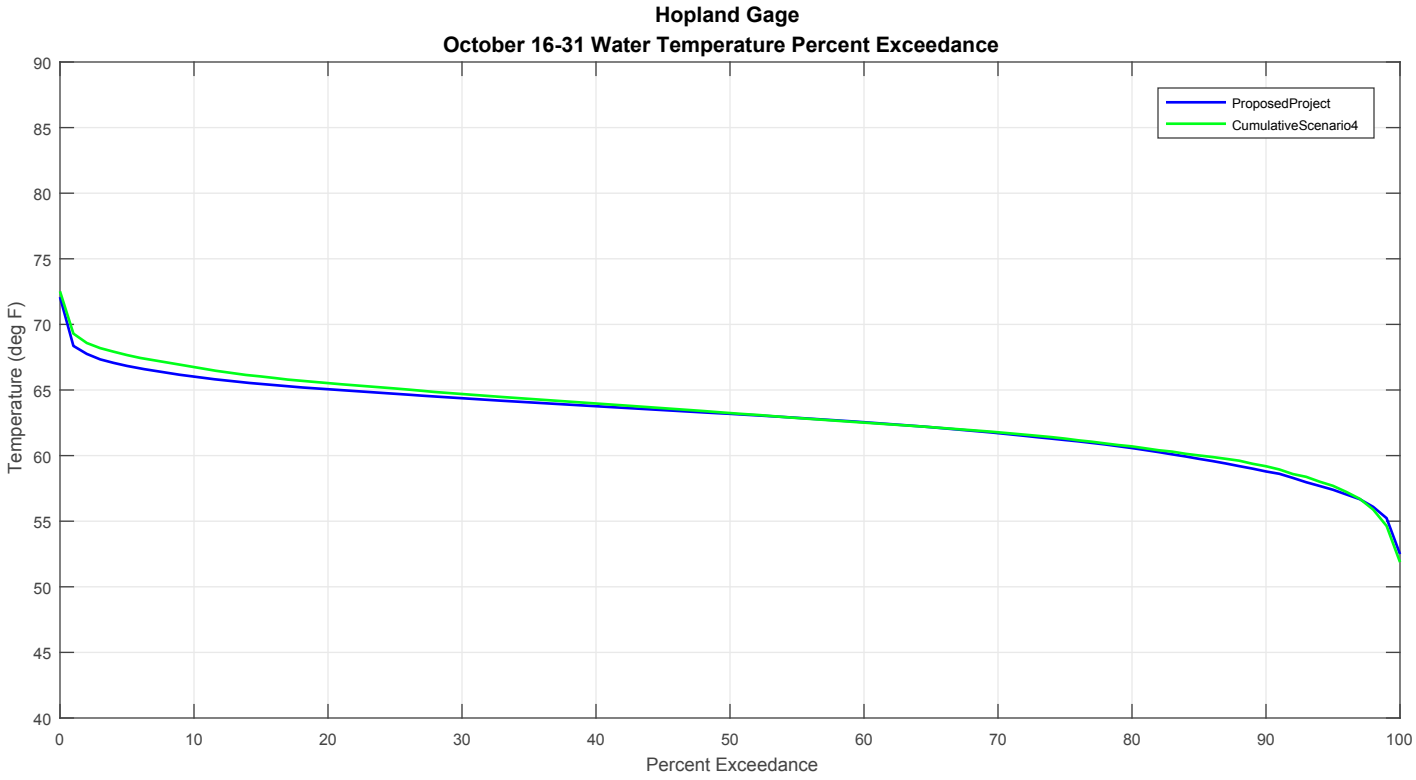
Hopland Gage
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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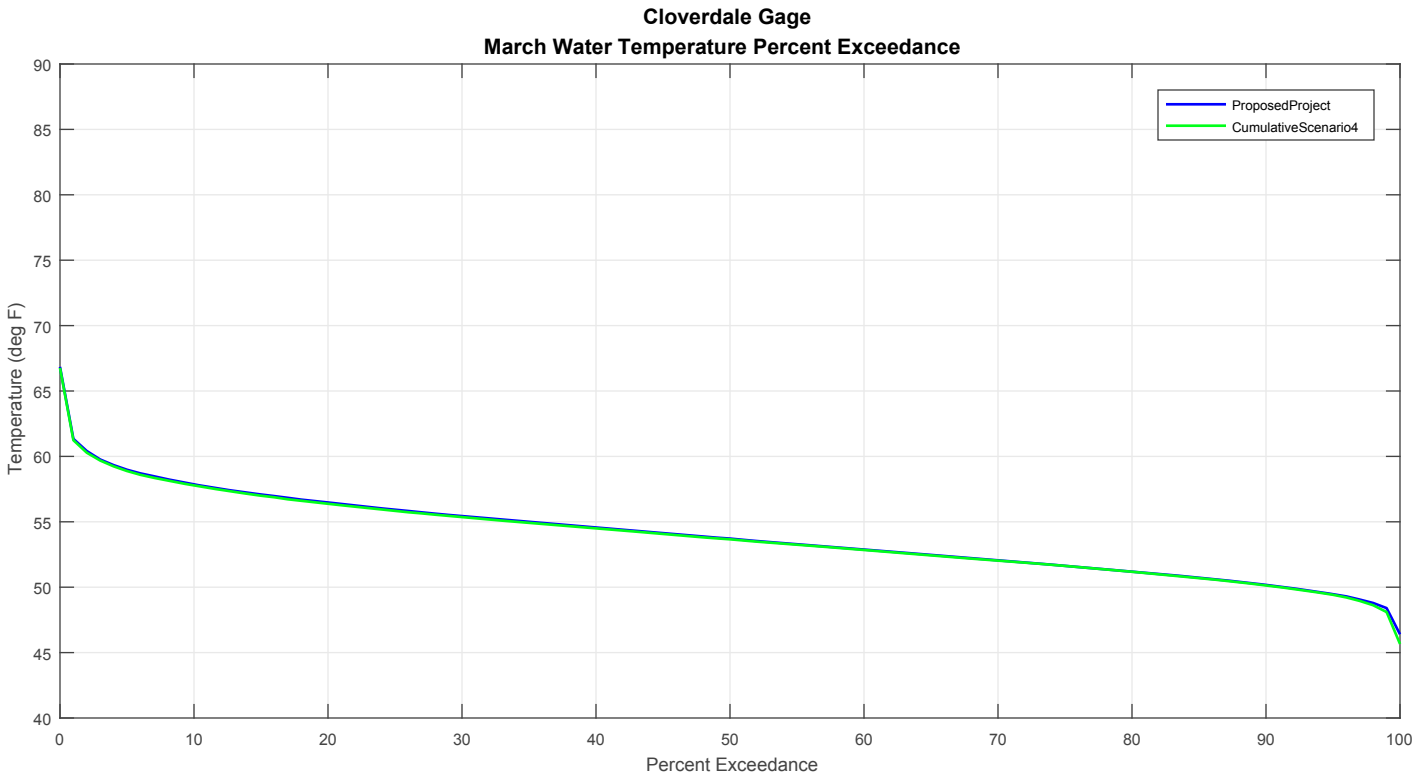
Cloverdale Gage
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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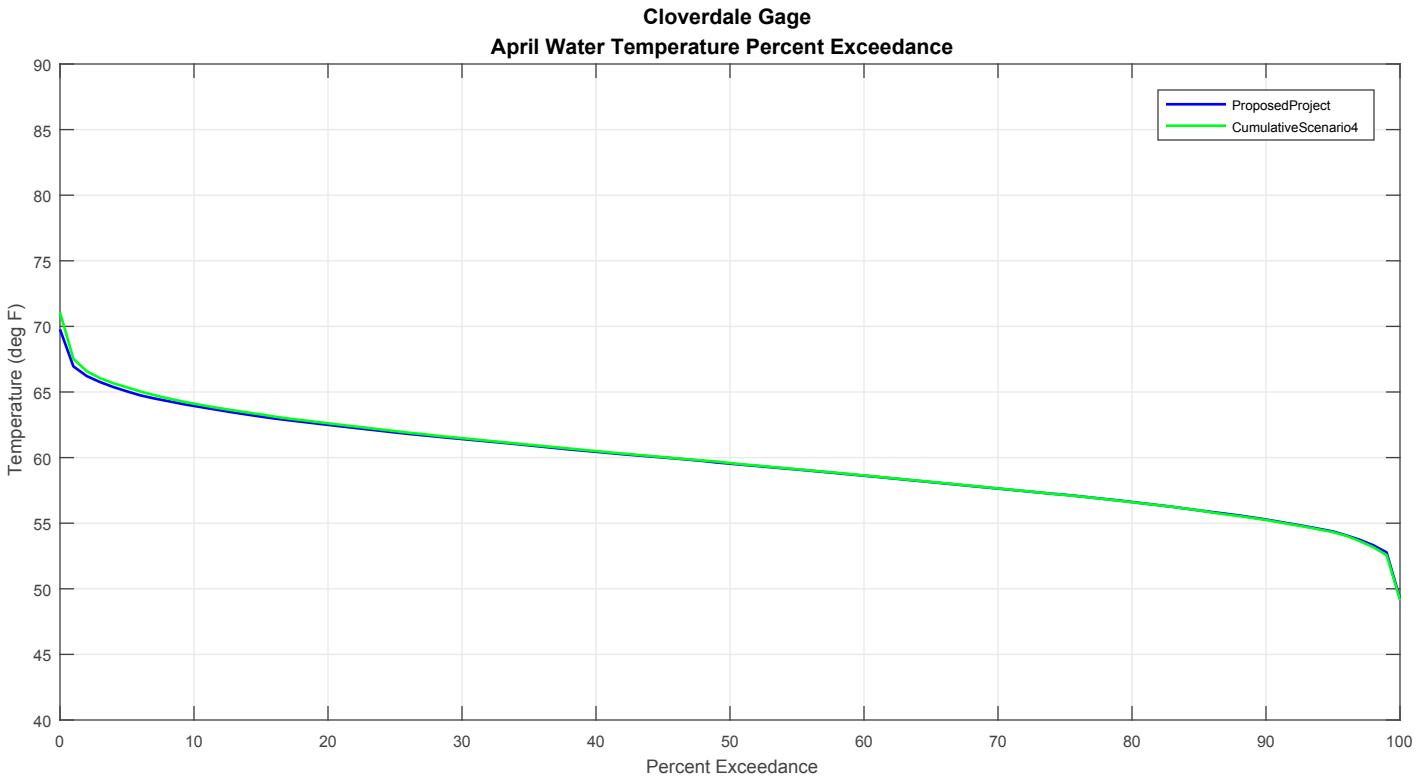
Cloverdale Gage
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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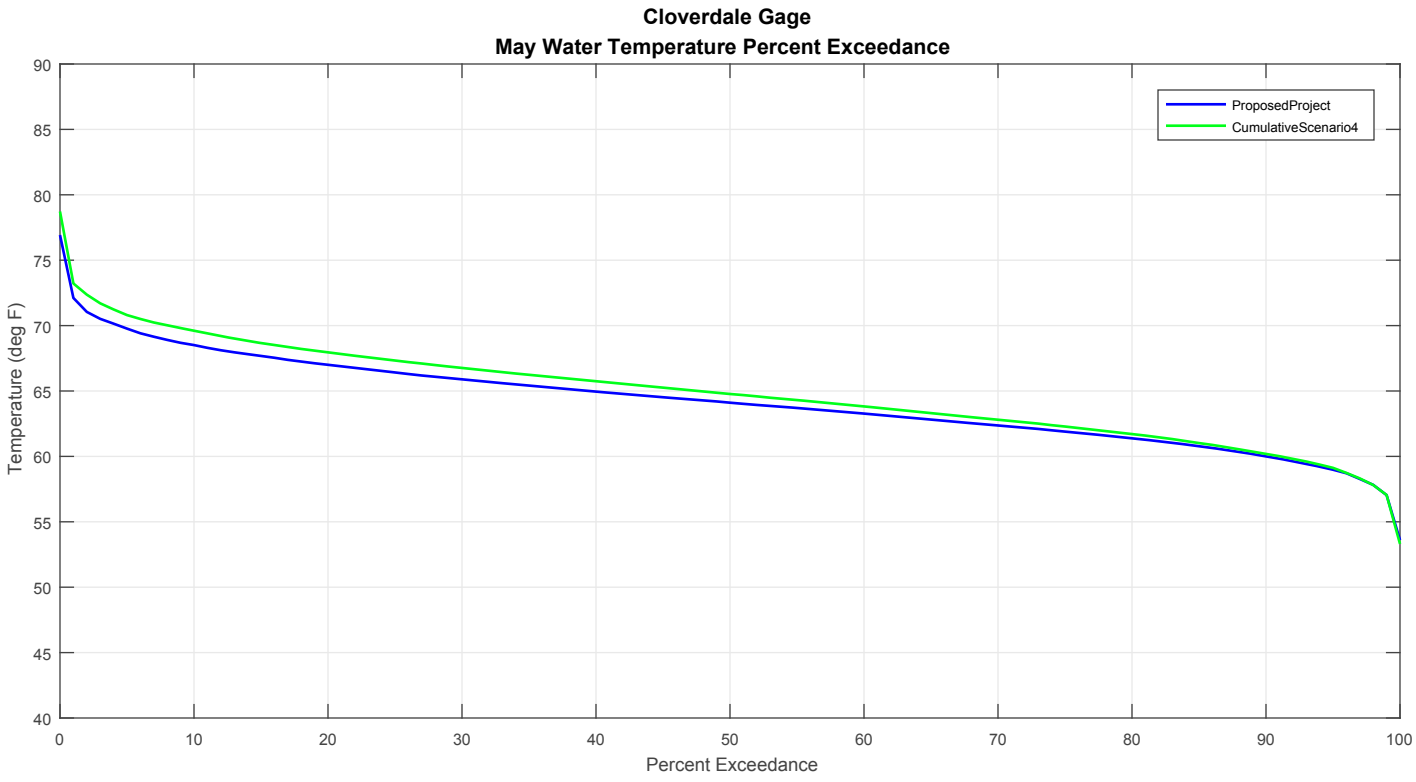
Cloverdale Gage
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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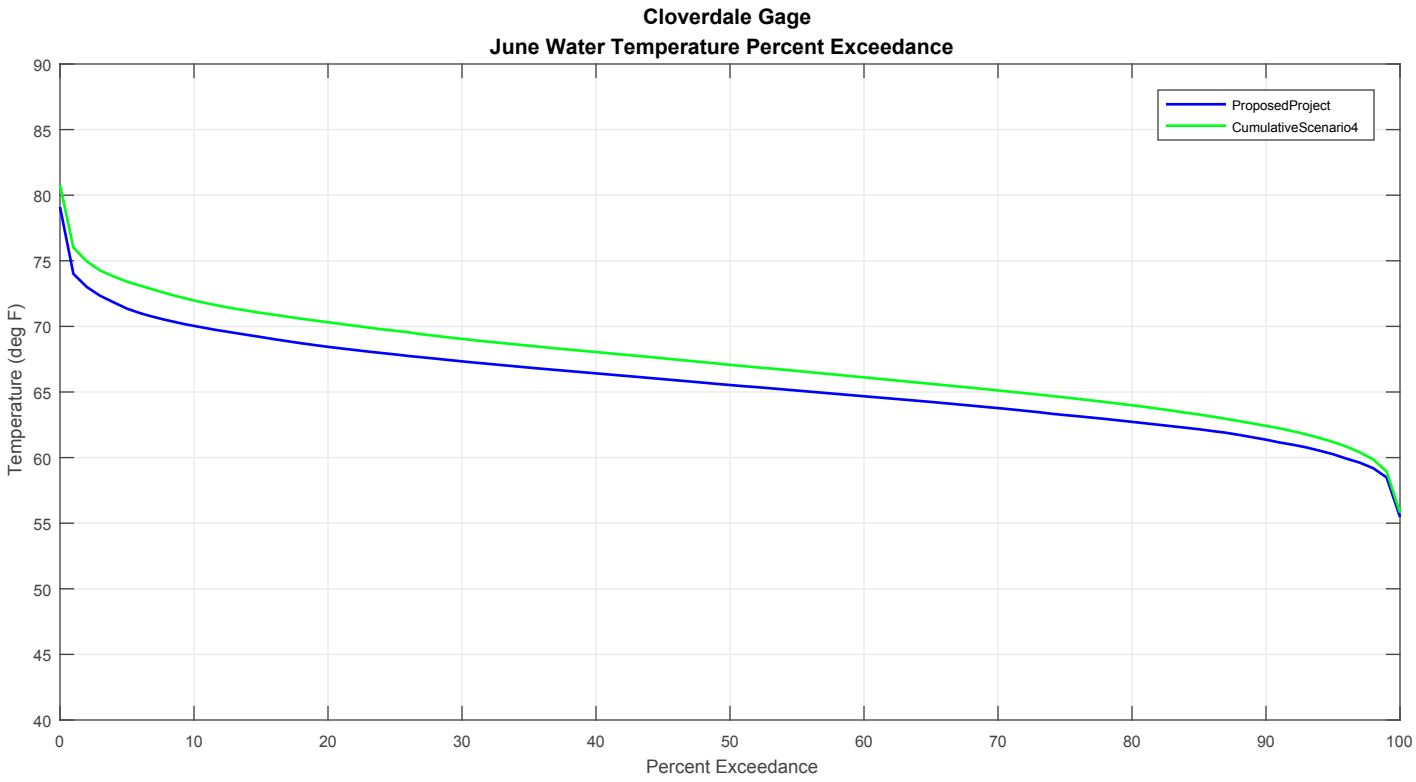
Cloverdale Gage
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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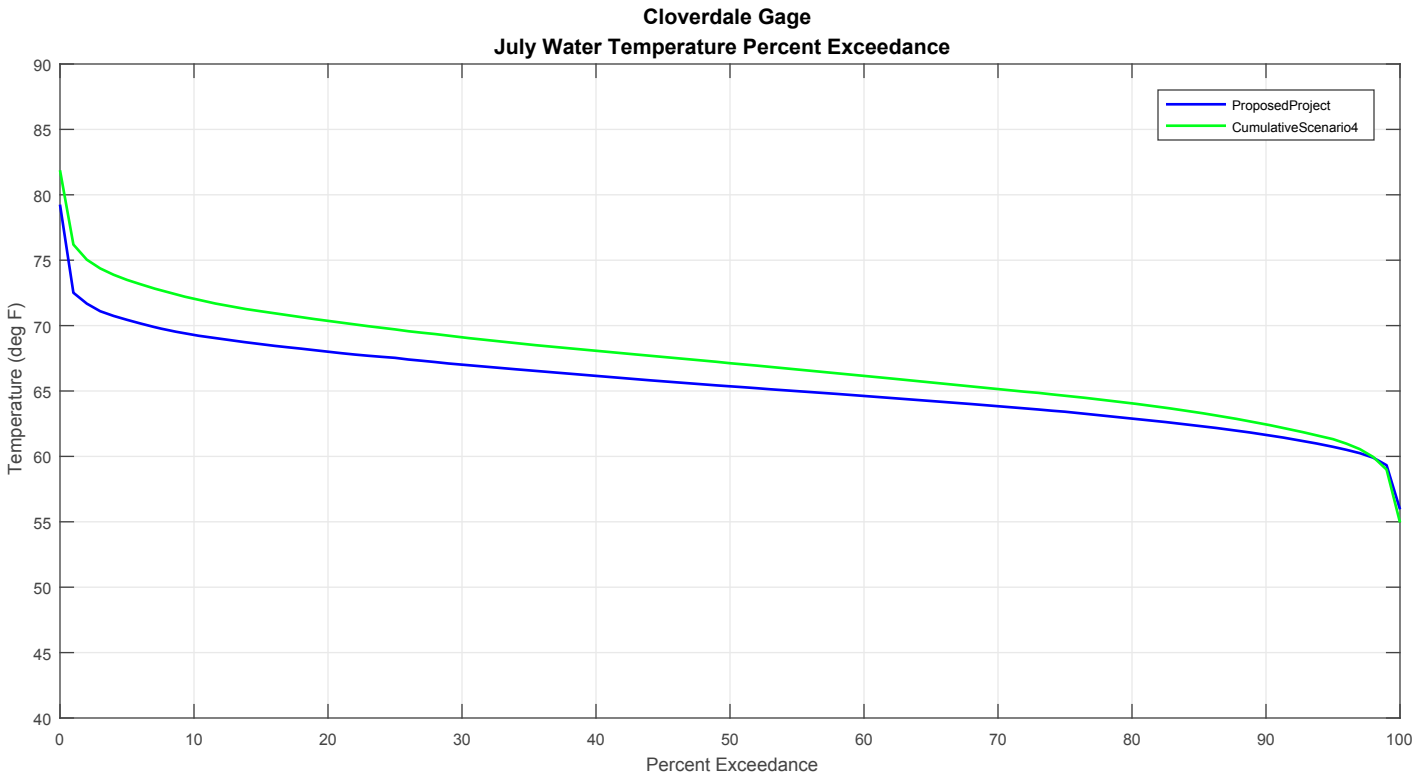
Cloverdale Gage
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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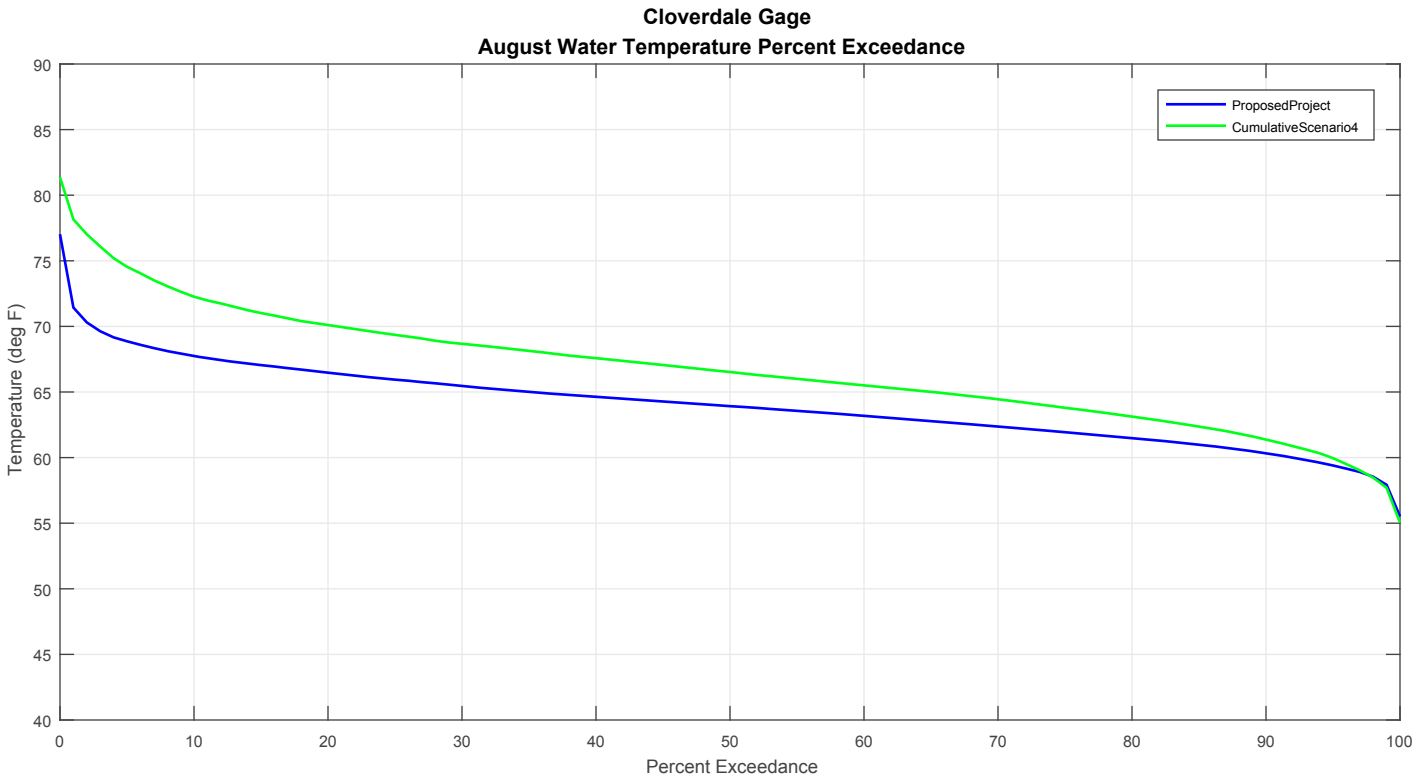
Cloverdale Gage
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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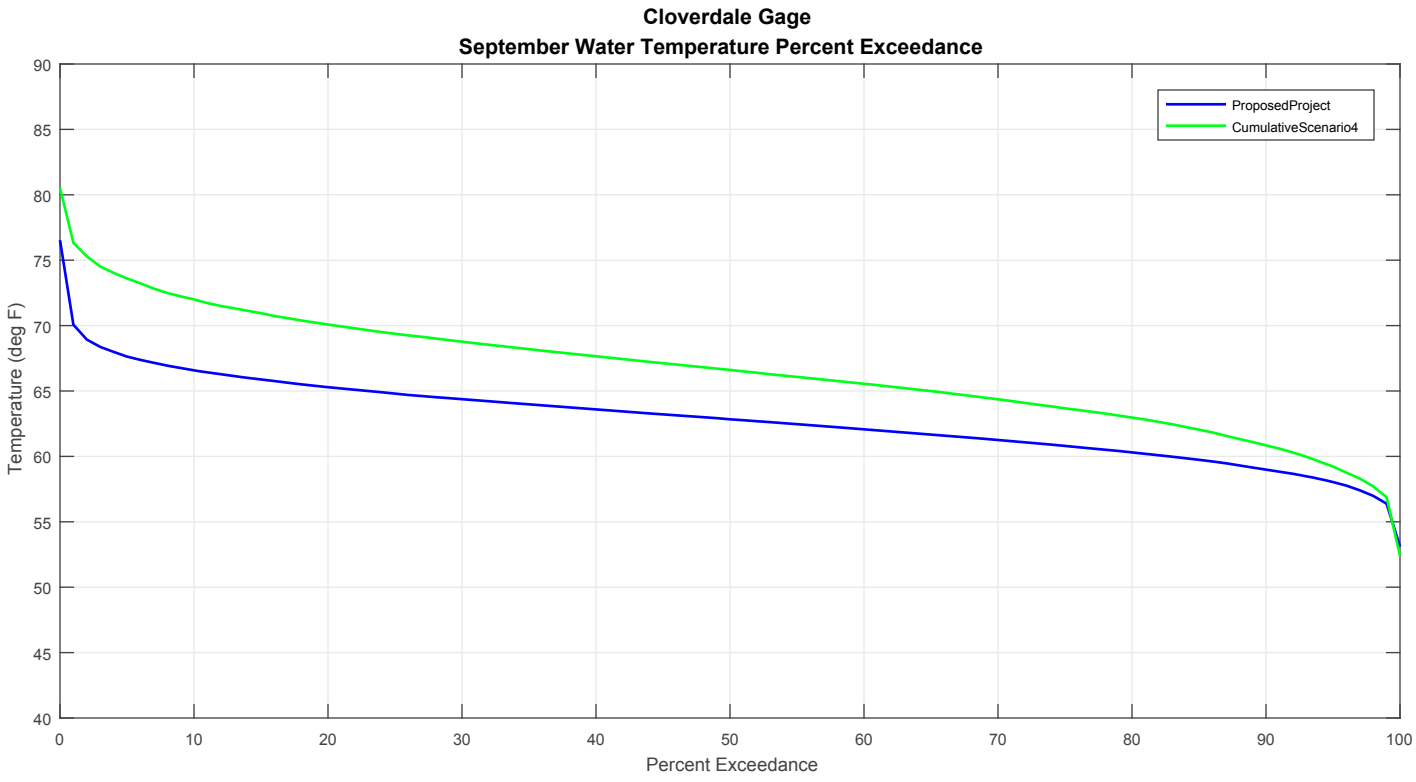
Cloverdale Gage
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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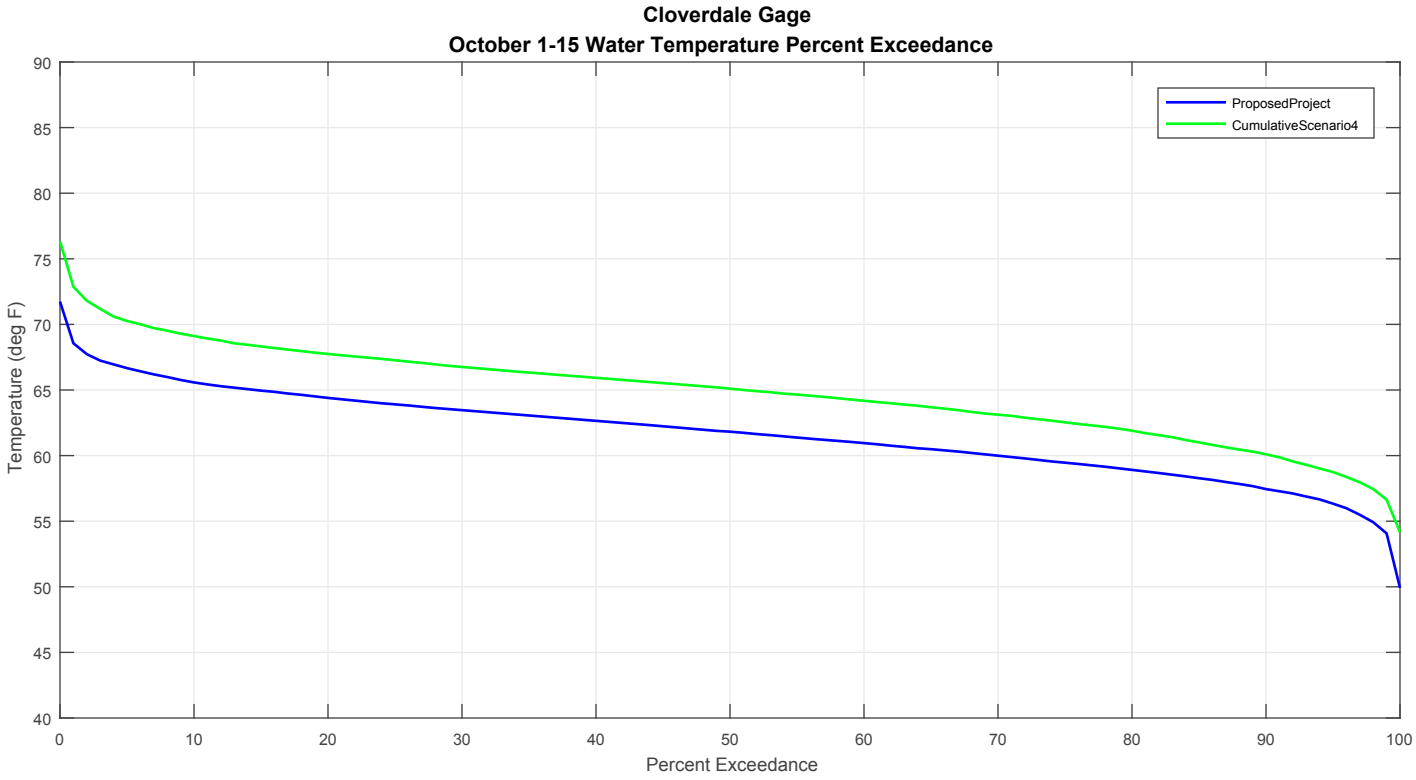
Cloverdale Gage
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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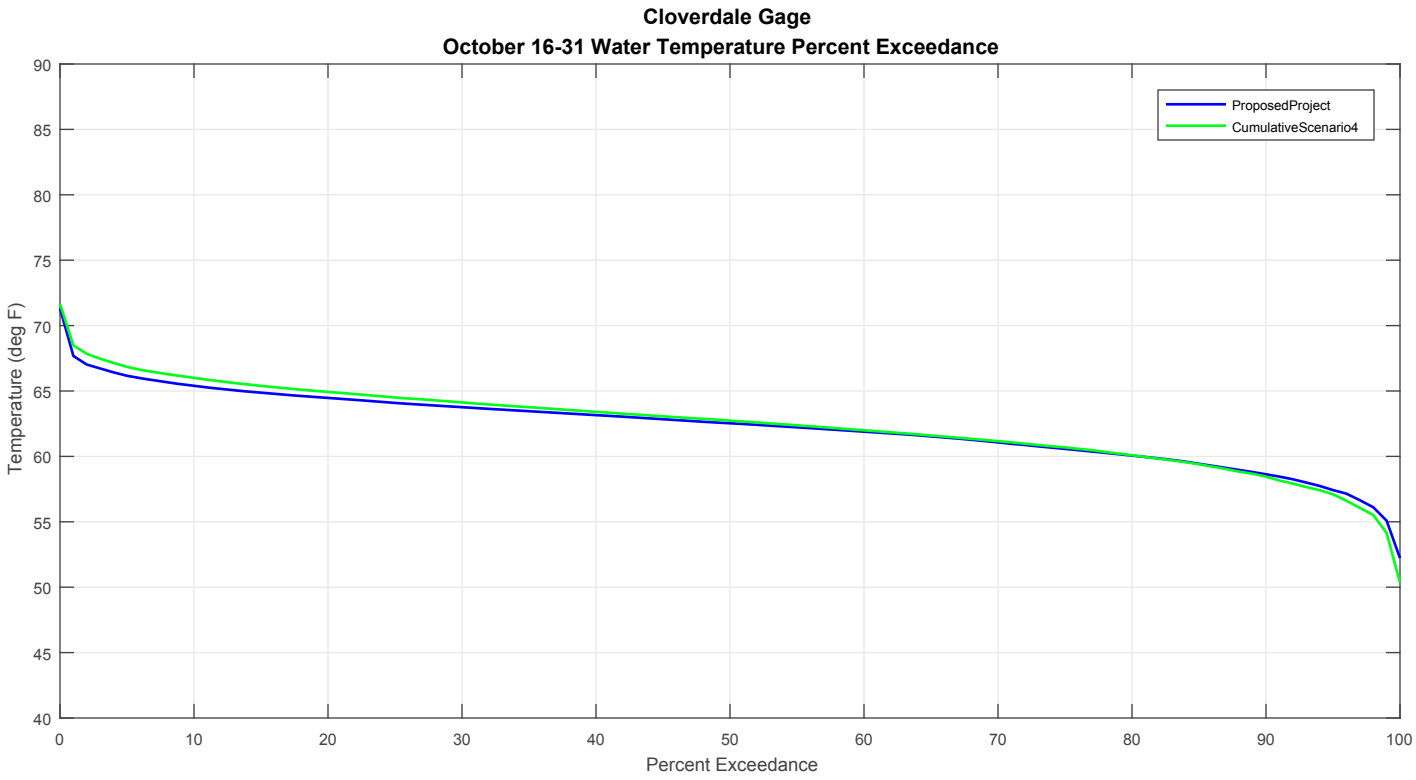
Cloverdale Gage
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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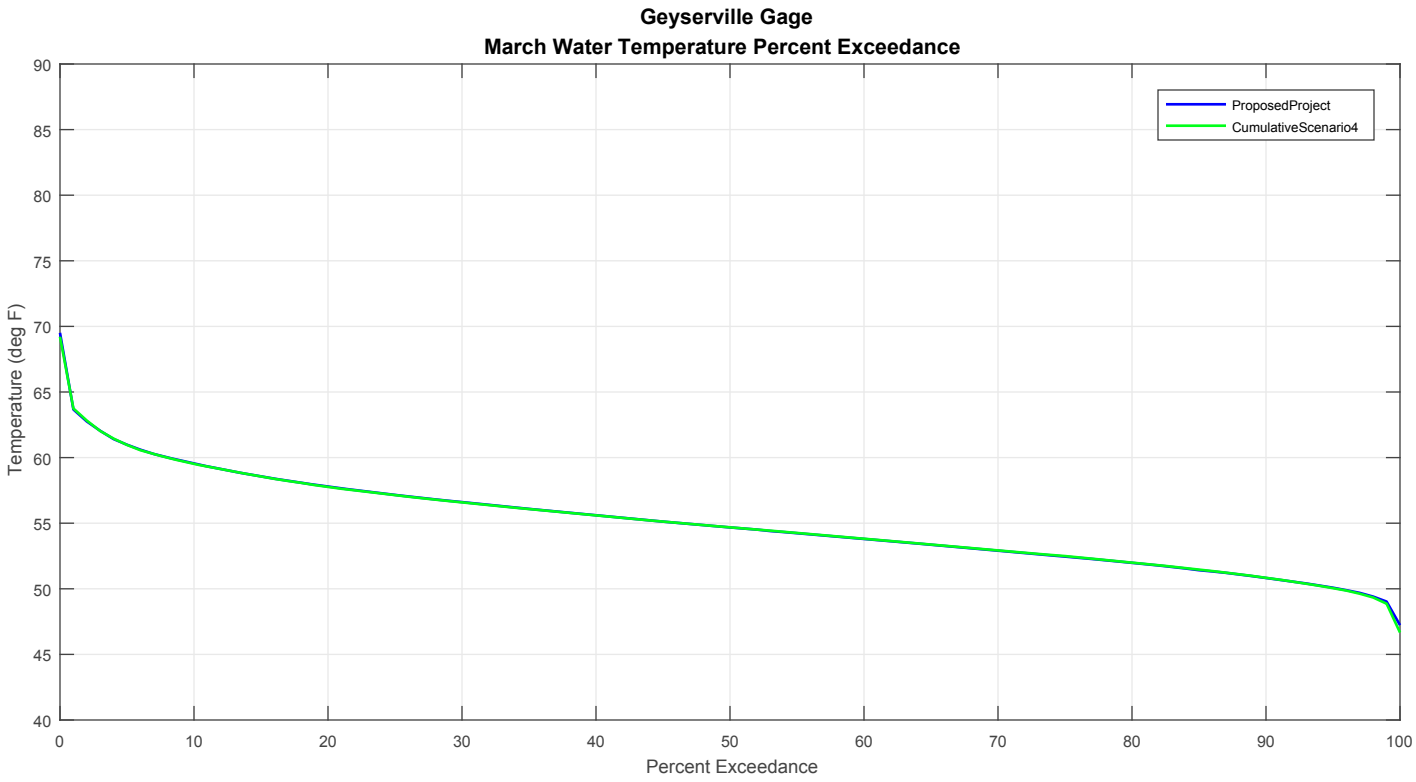
Geyserville Gage
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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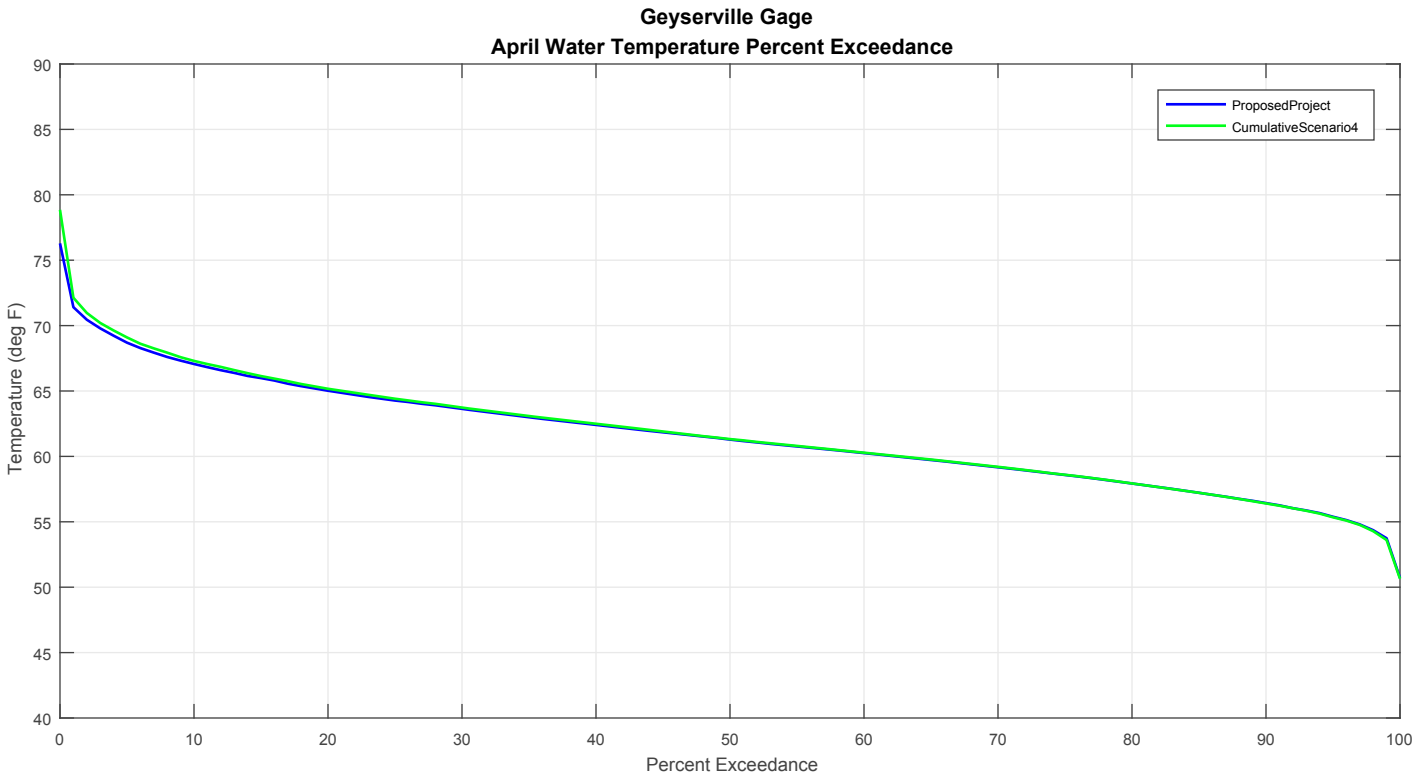
Geyserville Gage
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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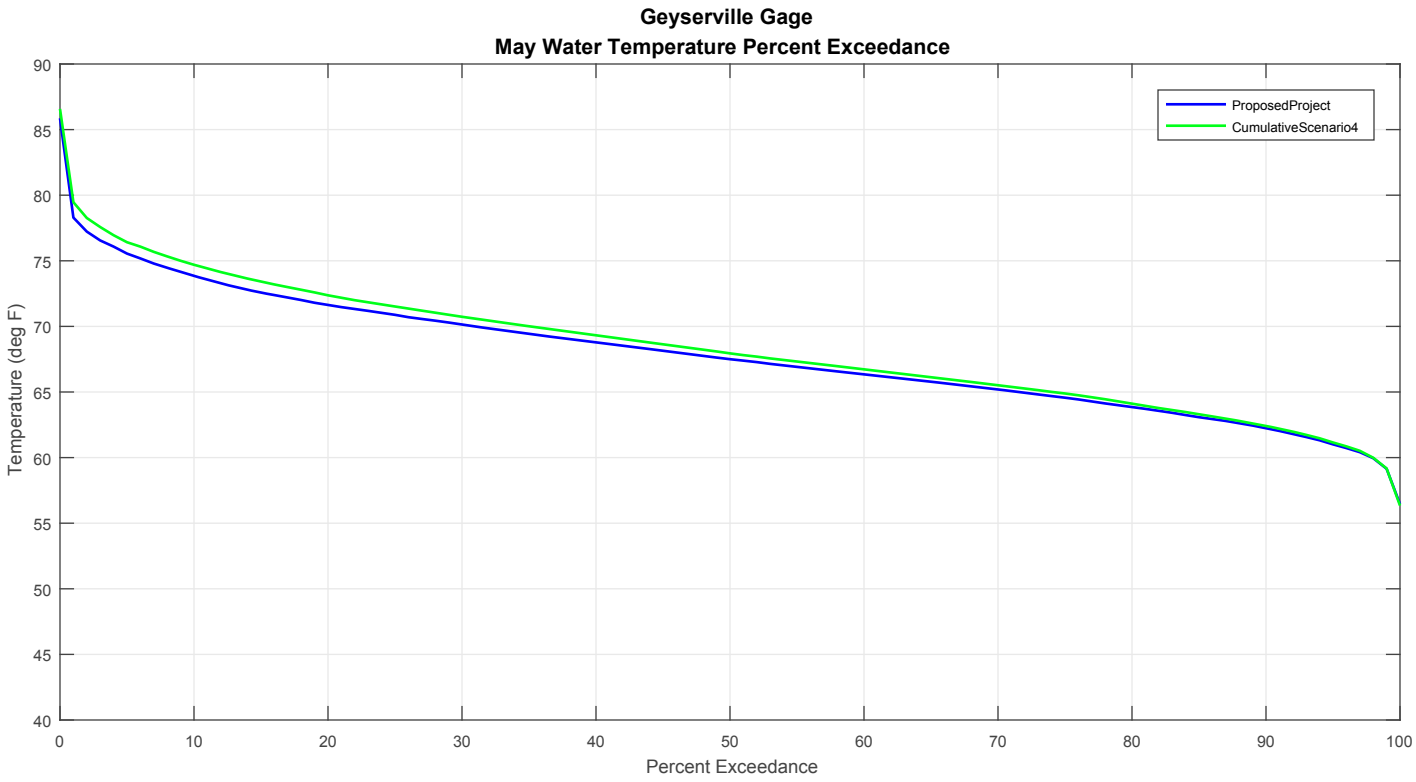
Geyserville Gage
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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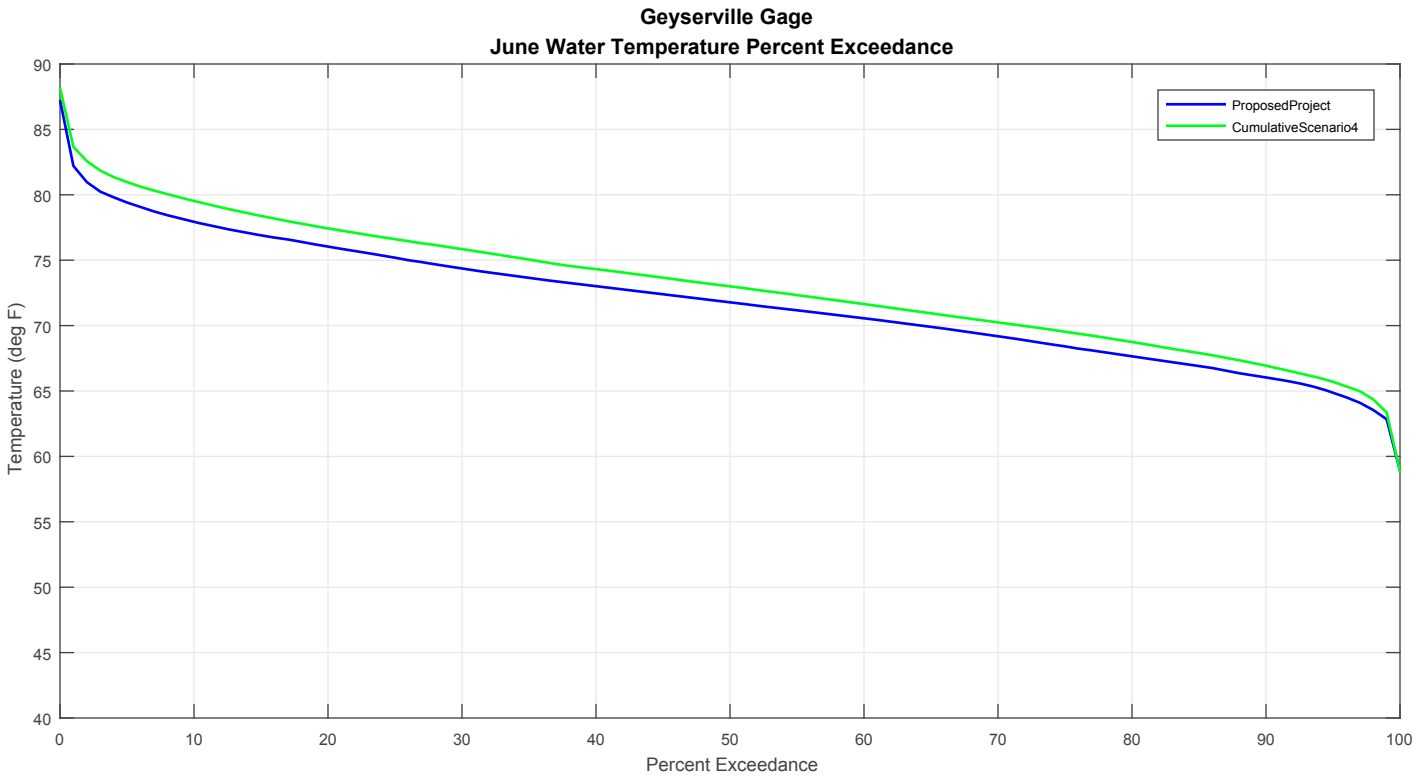
Geyserville Gage
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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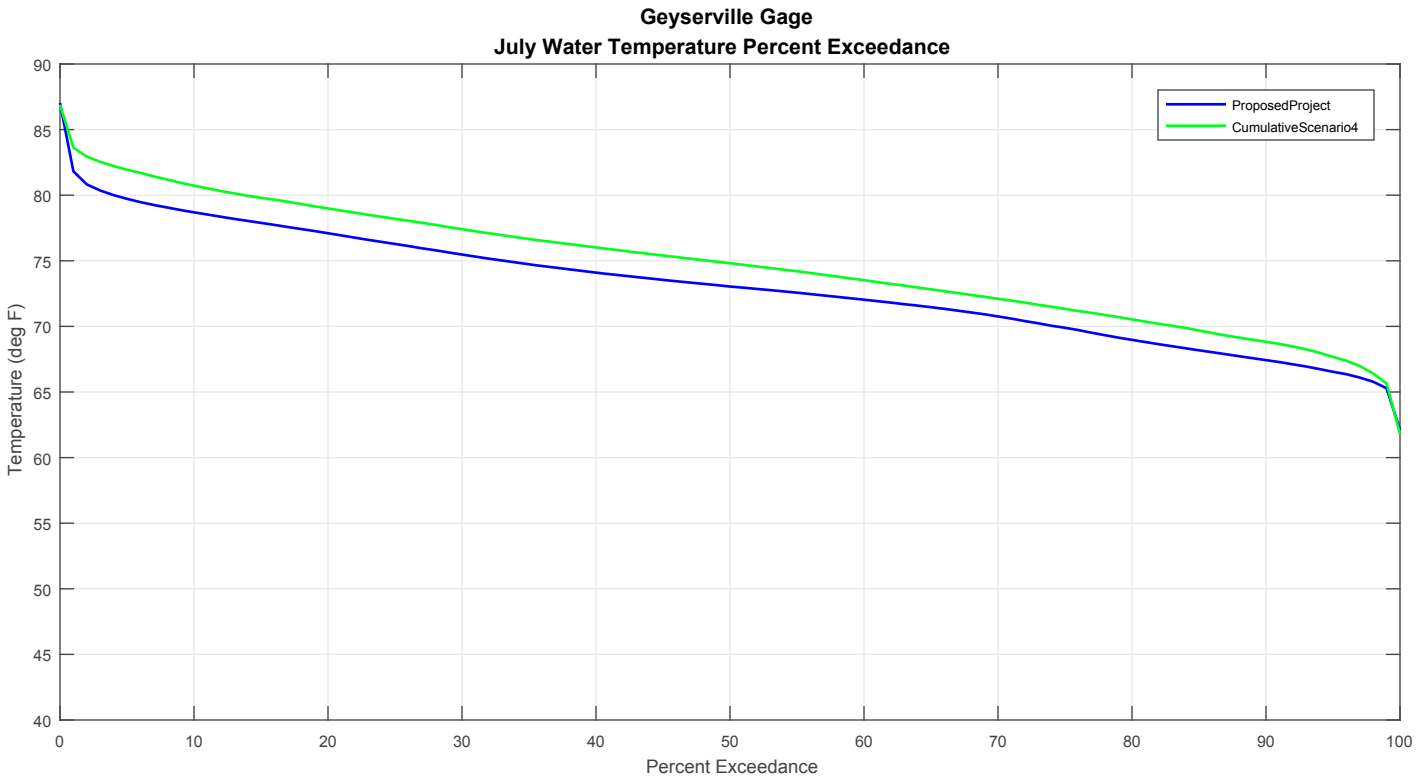
Geyserville Gage
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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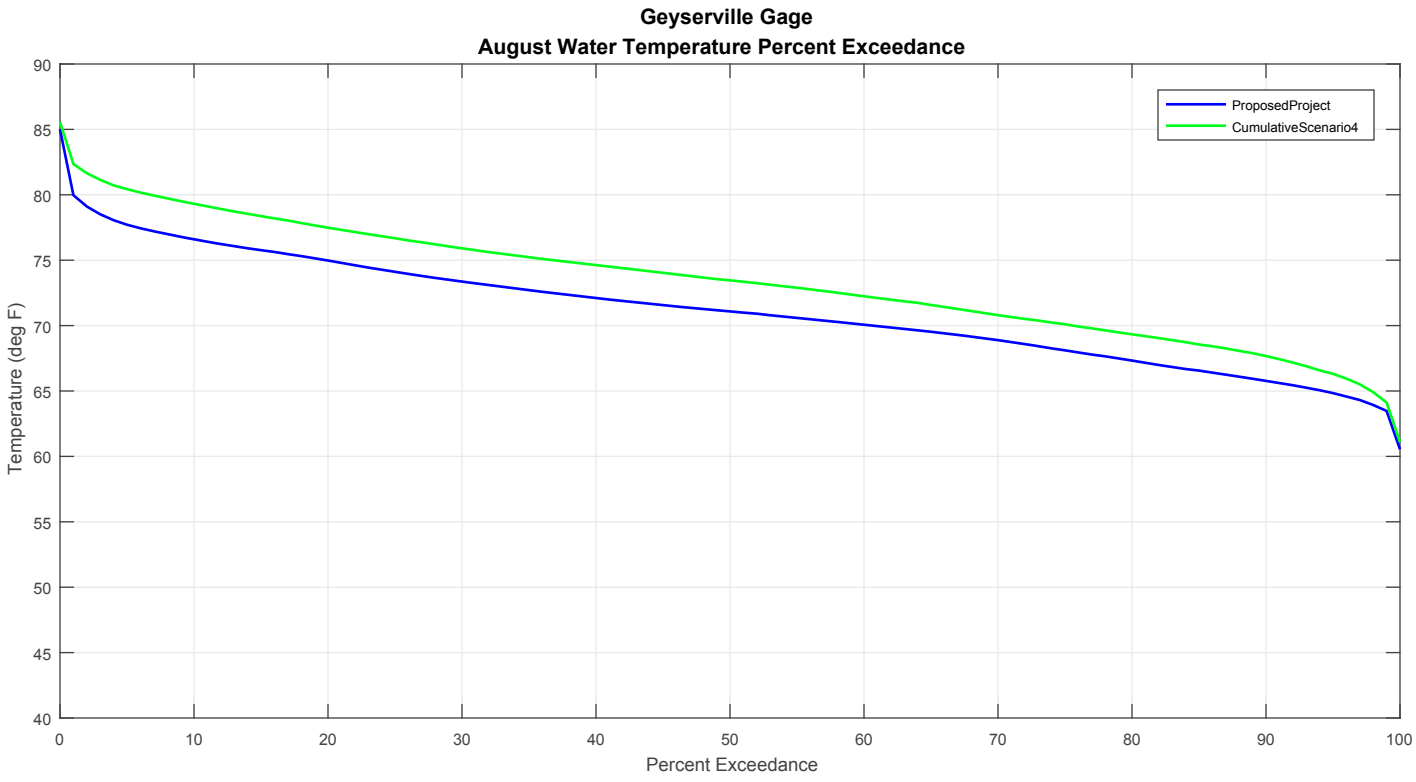
Geyserville Gage
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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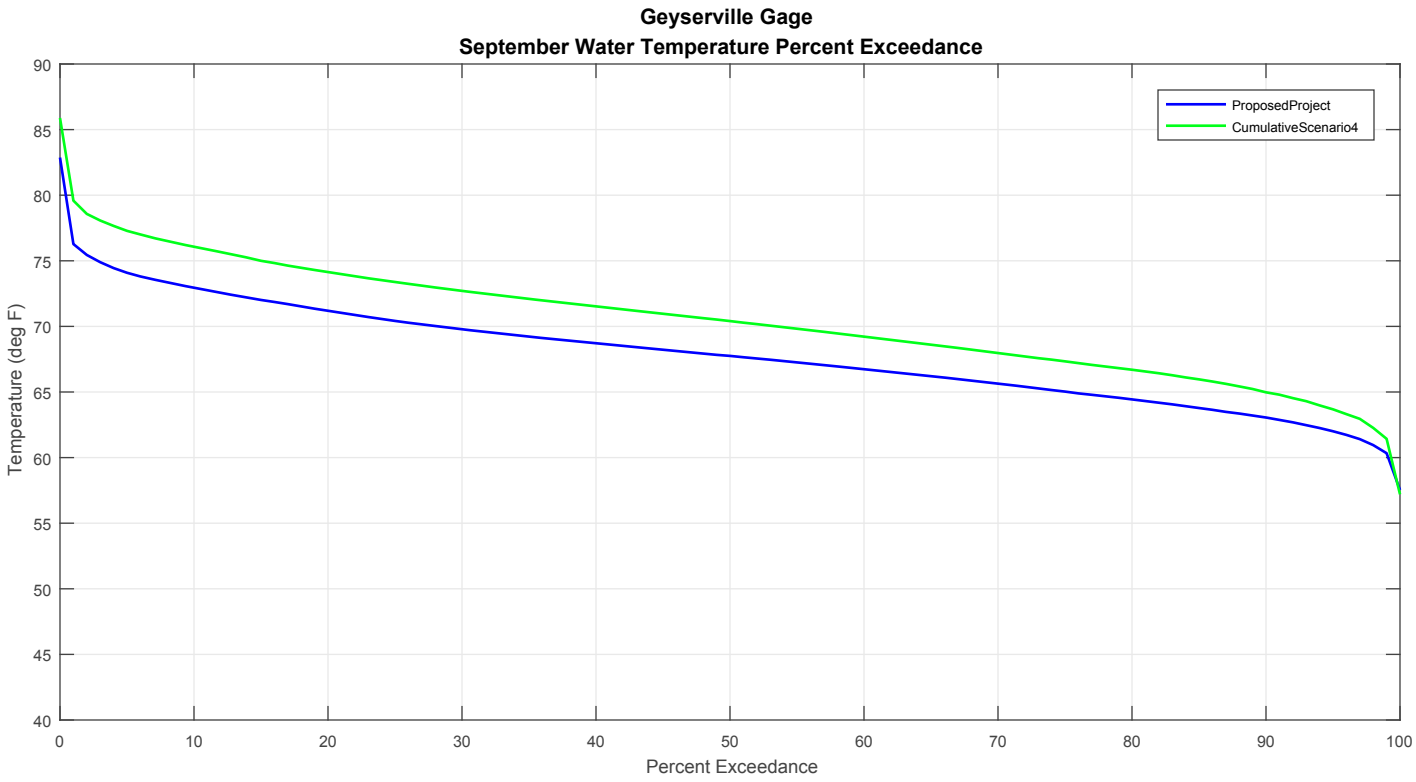
Geyserville Gage
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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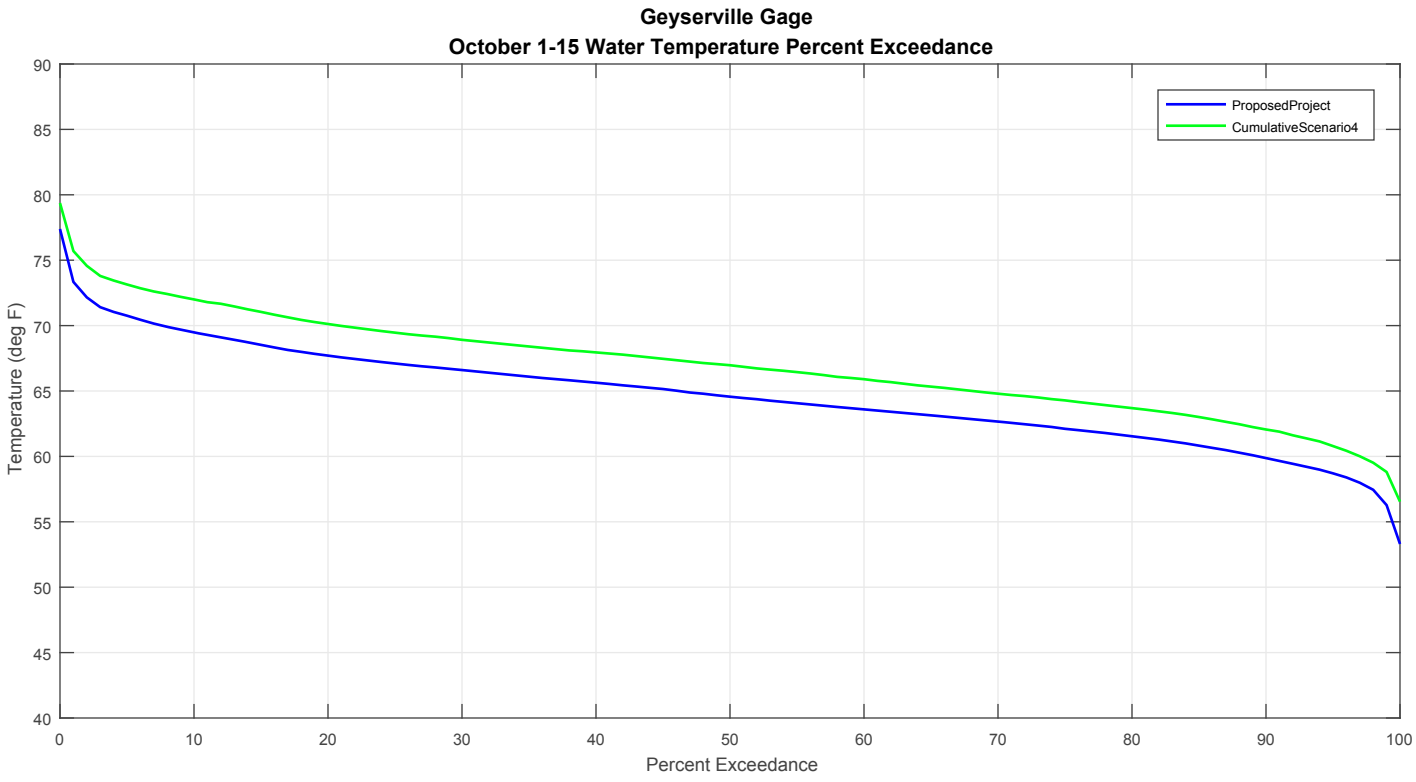
Geyserville Gage
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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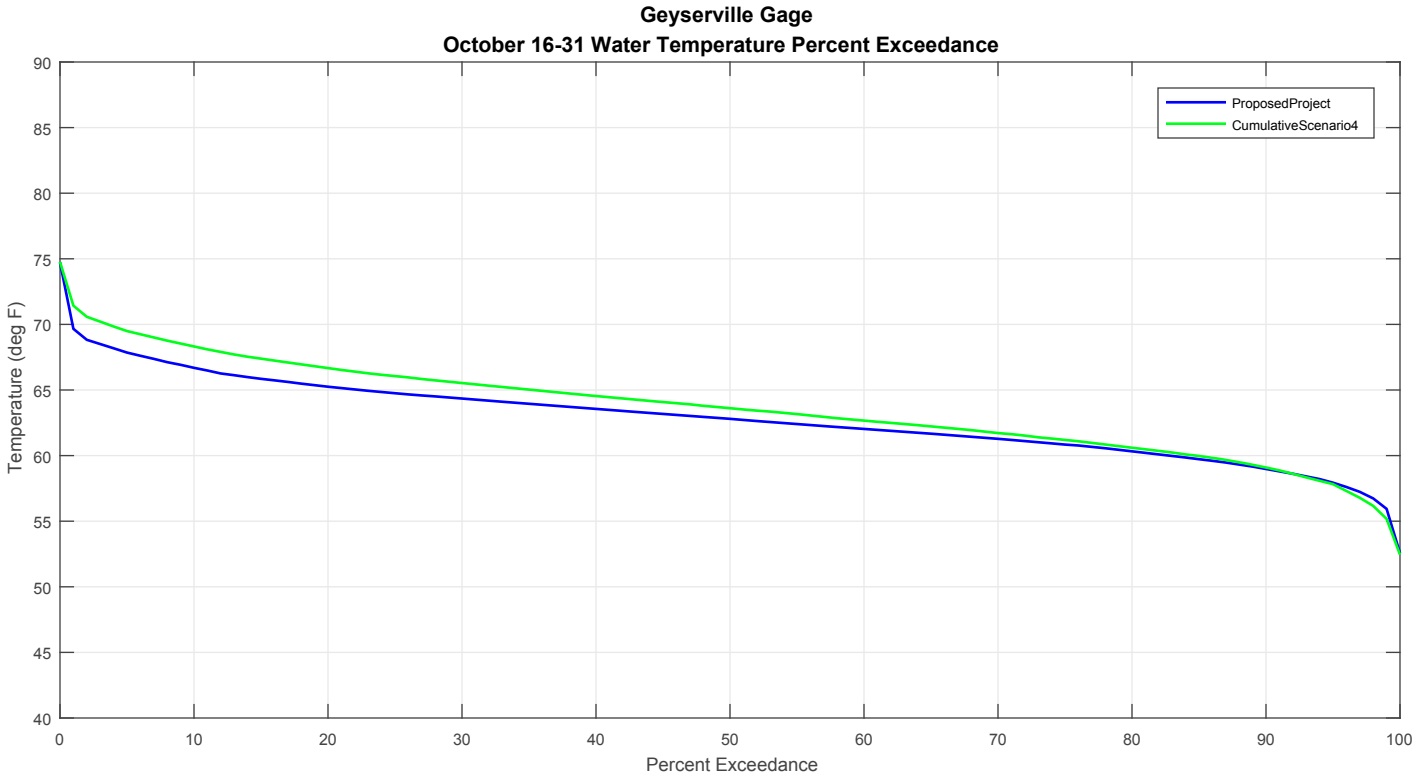
Geyserville Gage
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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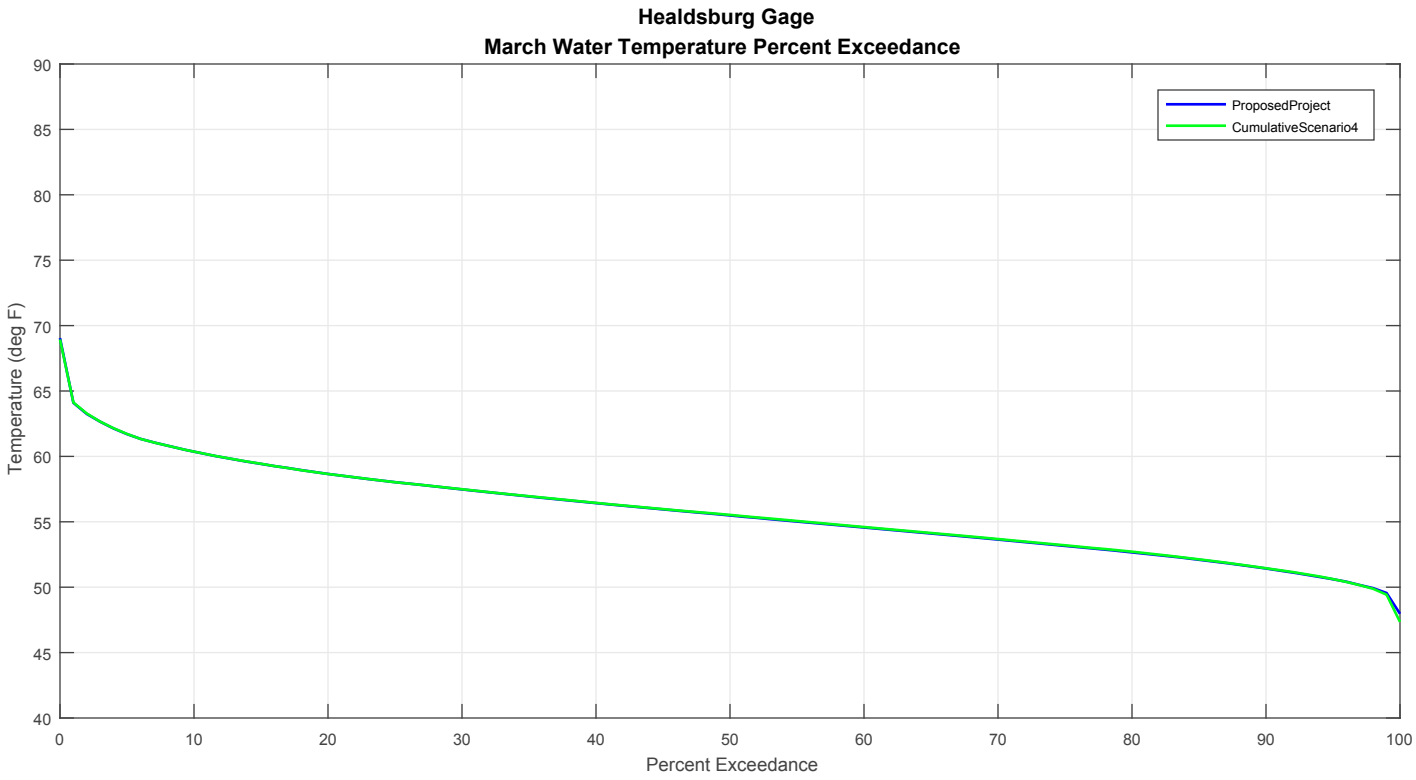
Healdsburg Gage
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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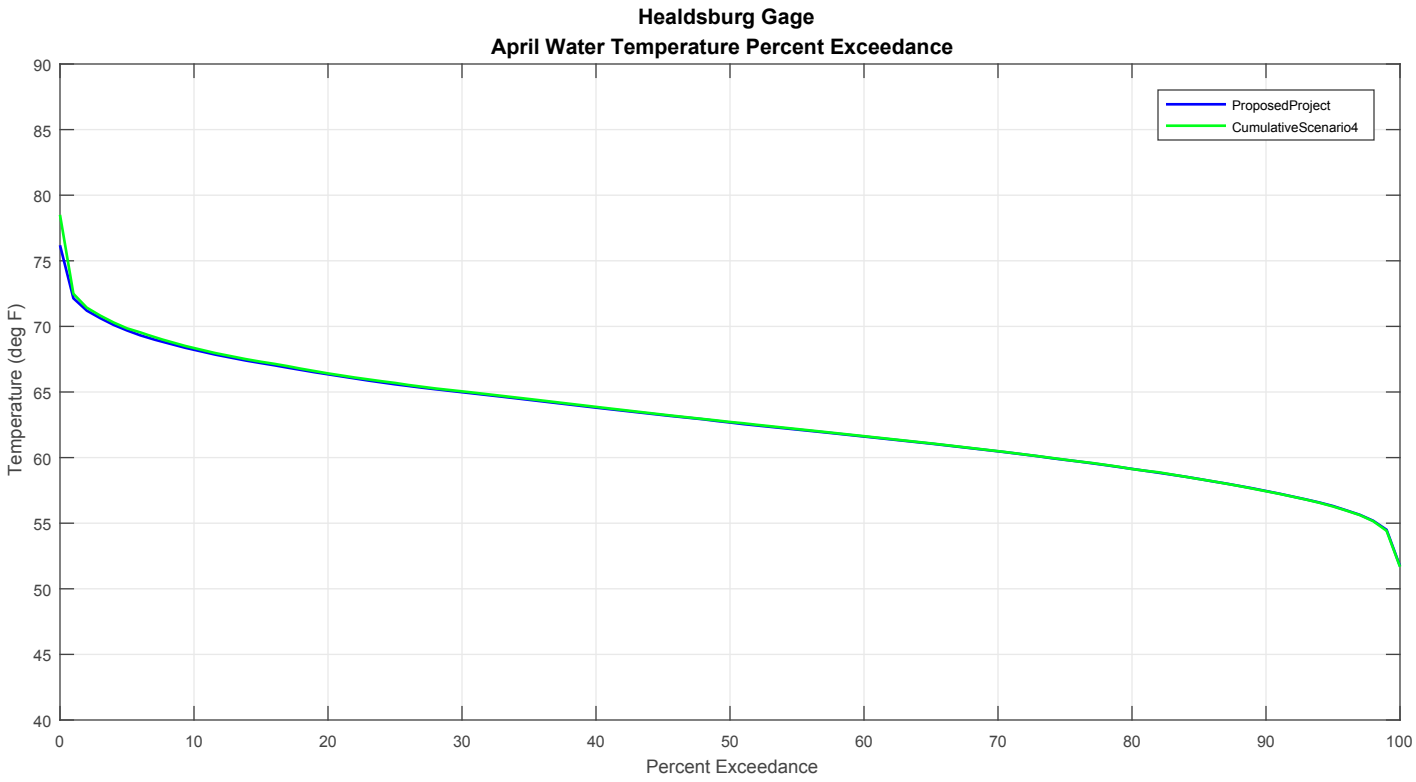
Healdsburg Gage
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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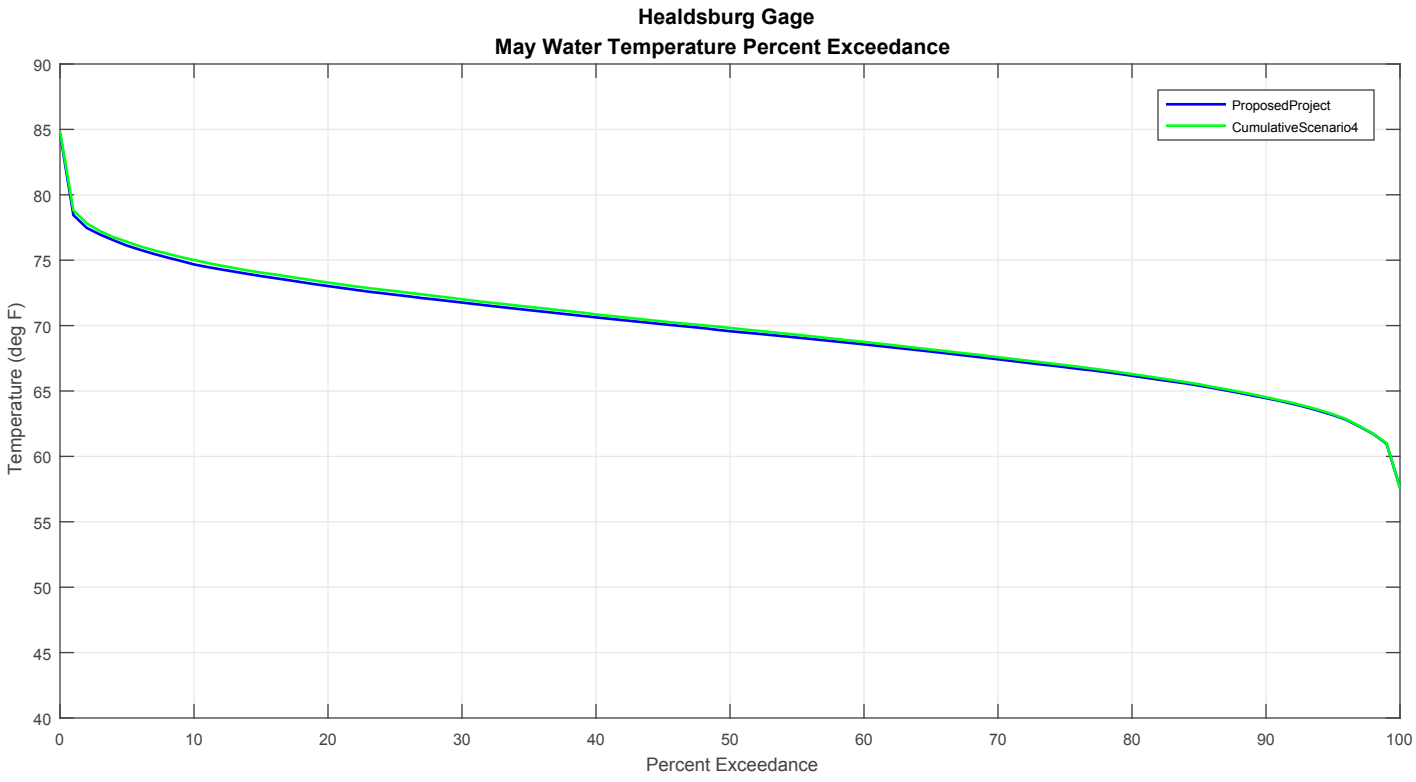
Healdsburg Gage
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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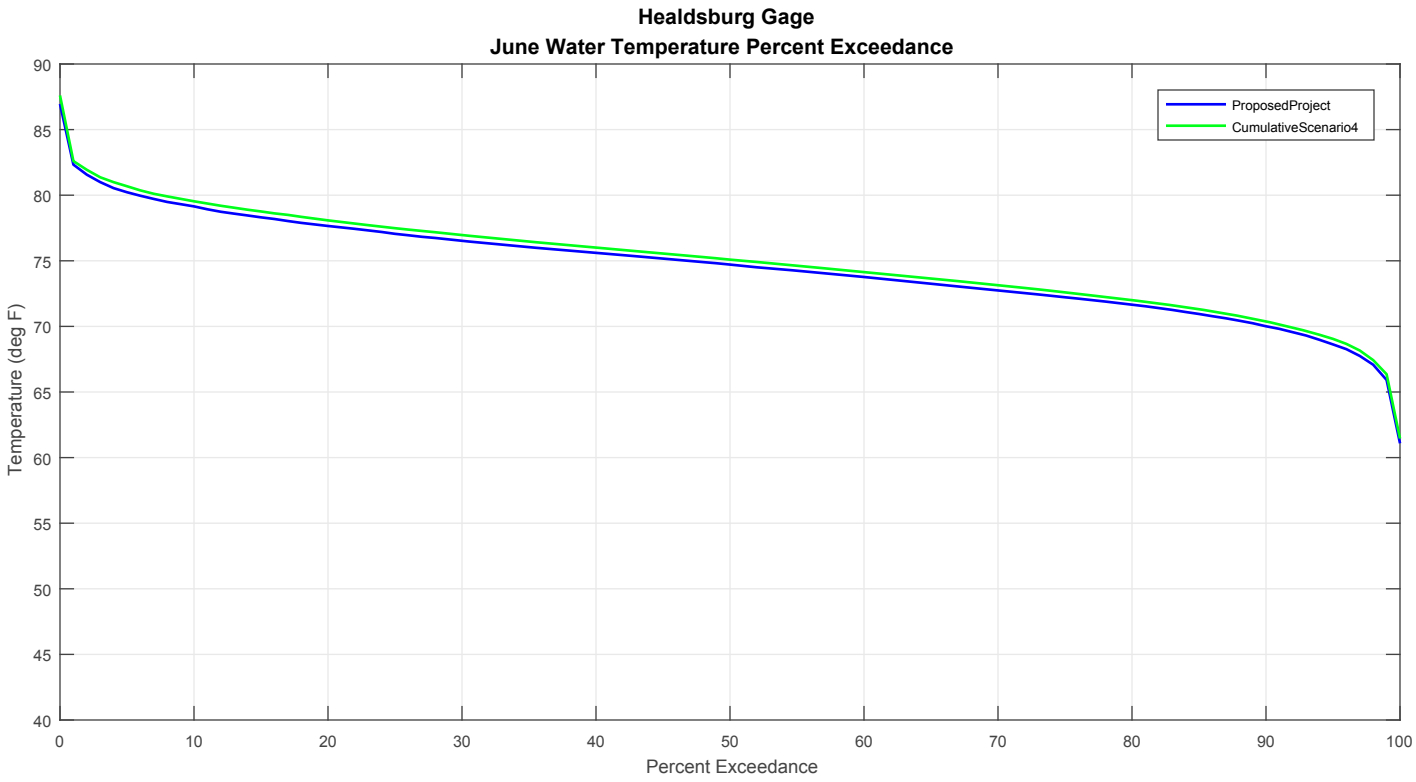
Healdsburg Gage
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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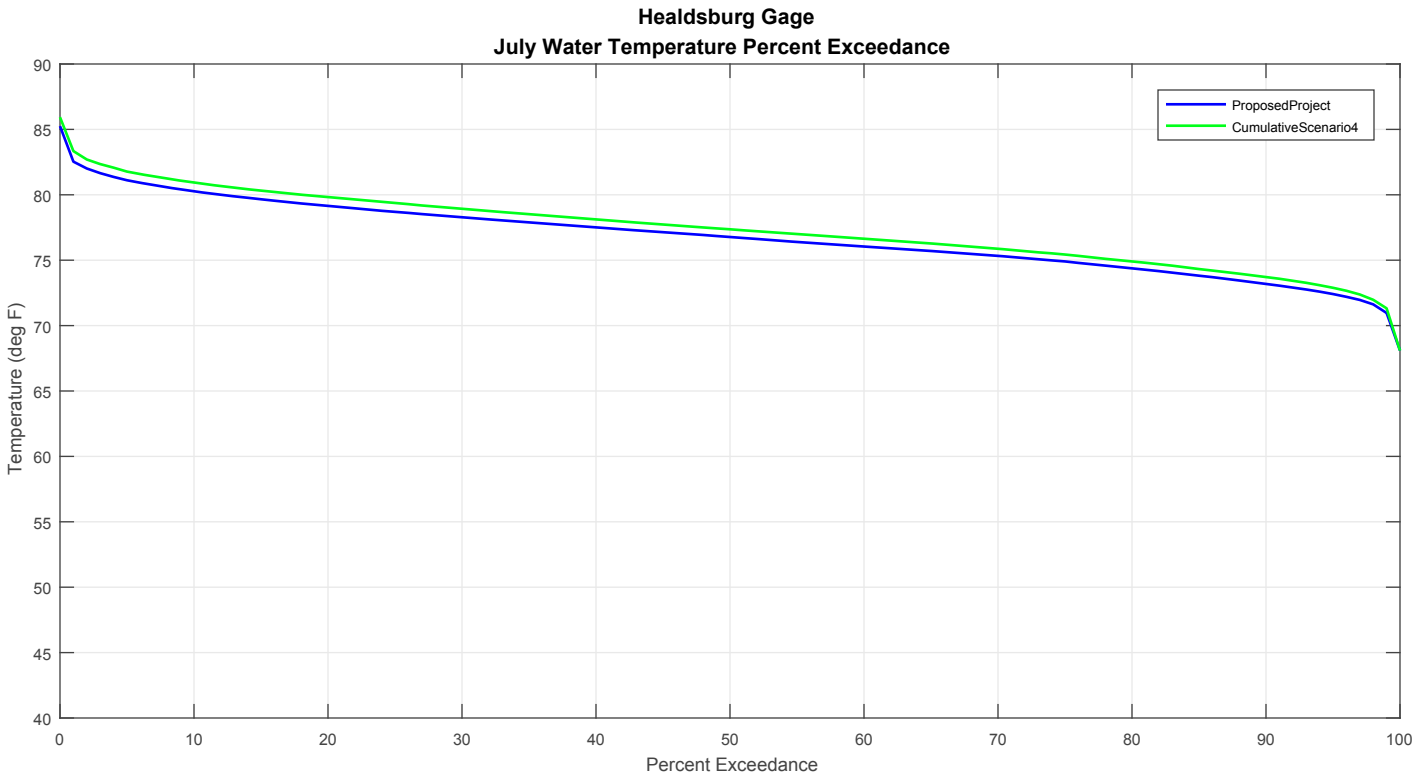
Healdsburg Gage
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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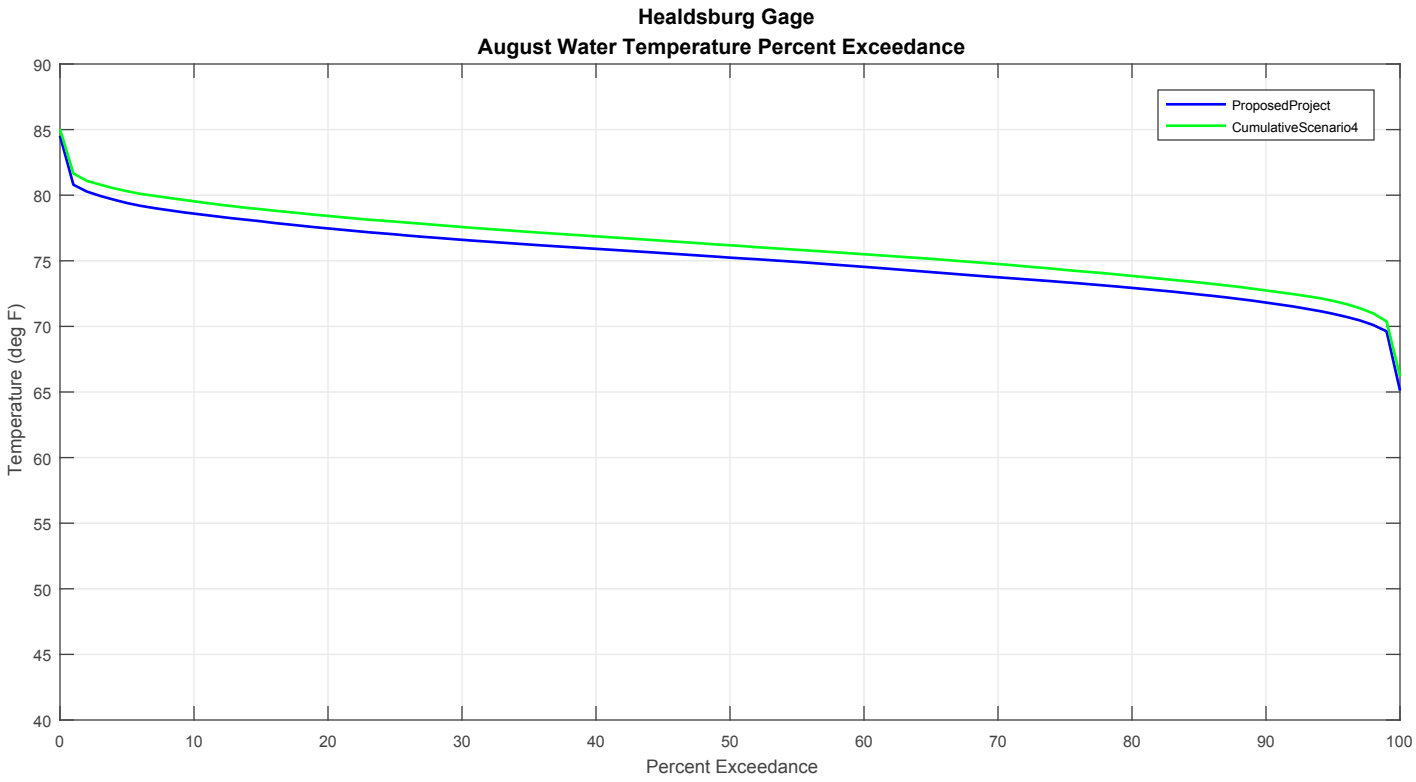
Healdsburg Gage
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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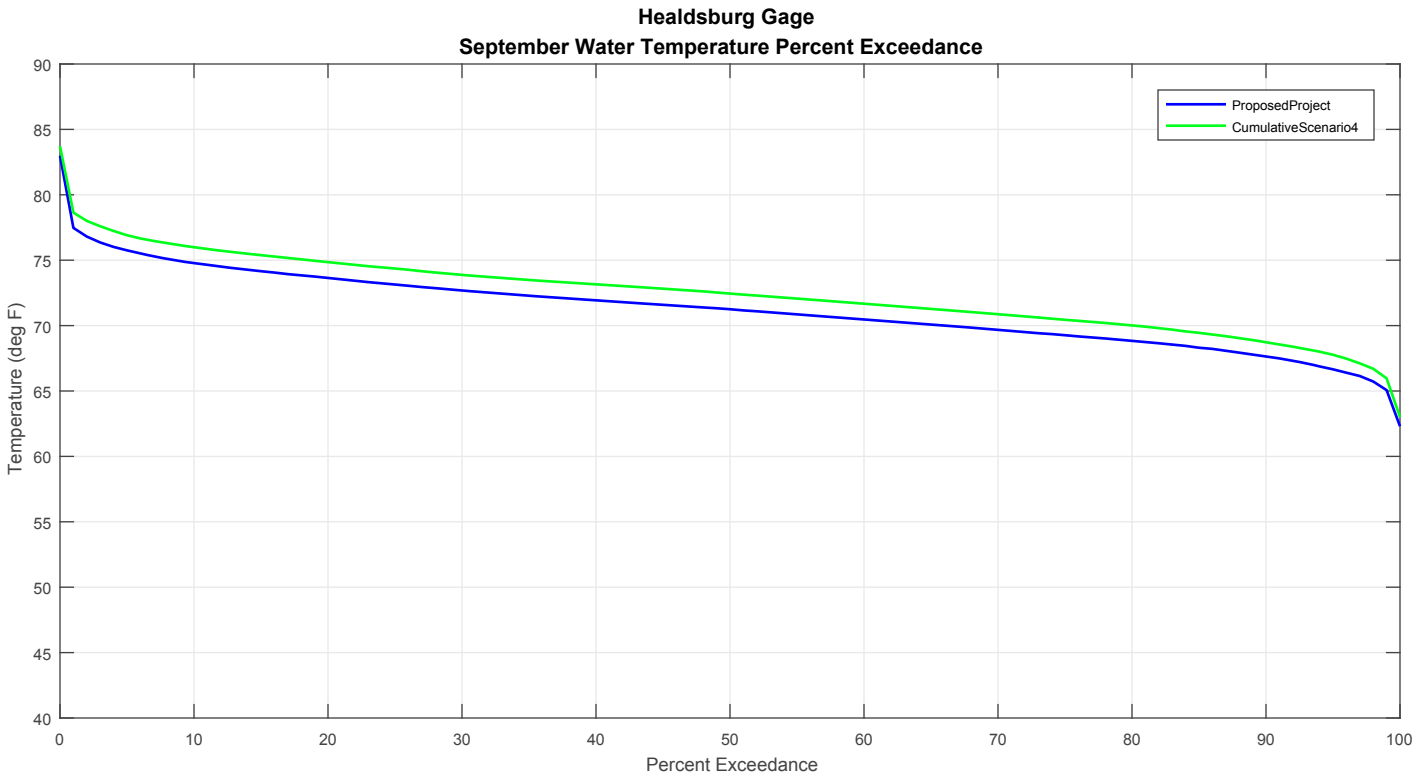
Healdsburg Gage
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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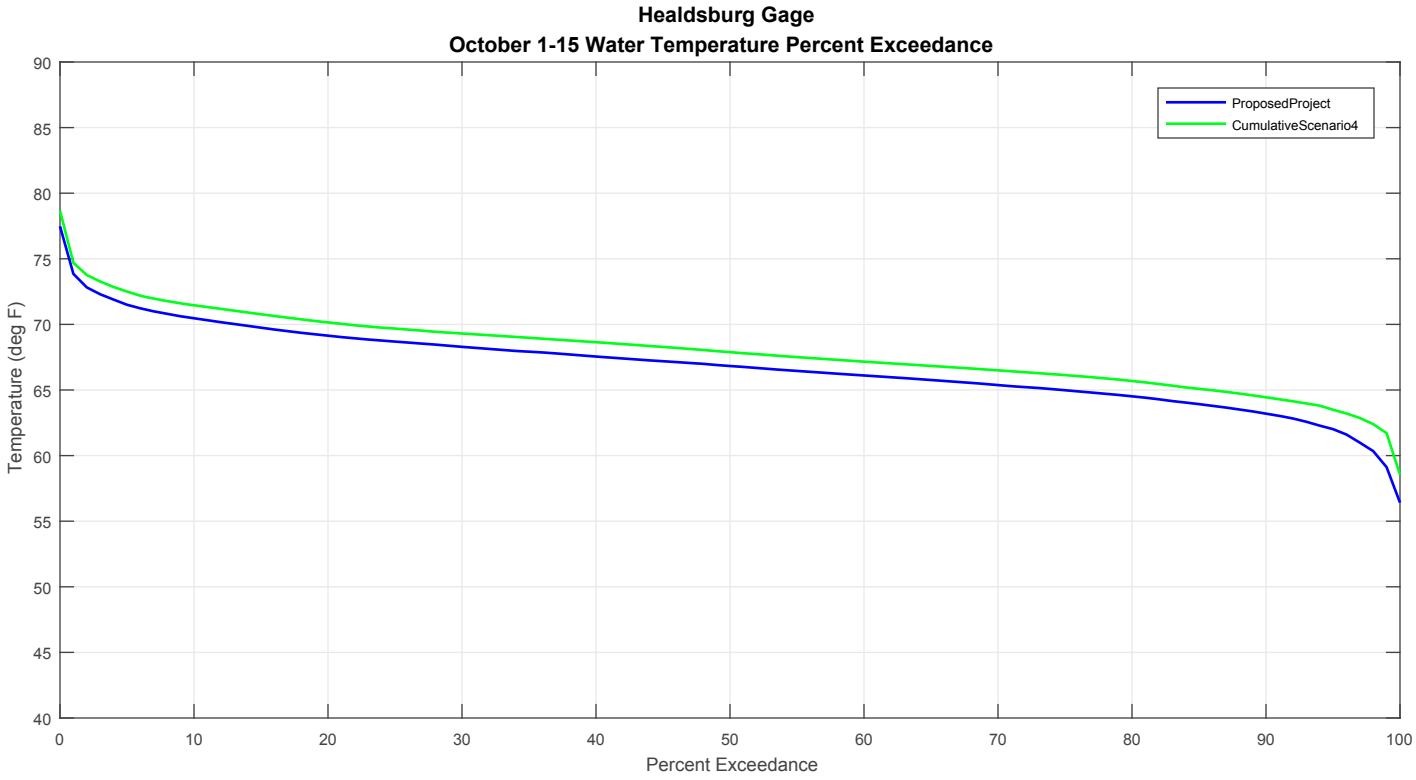
Healdsburg Gage
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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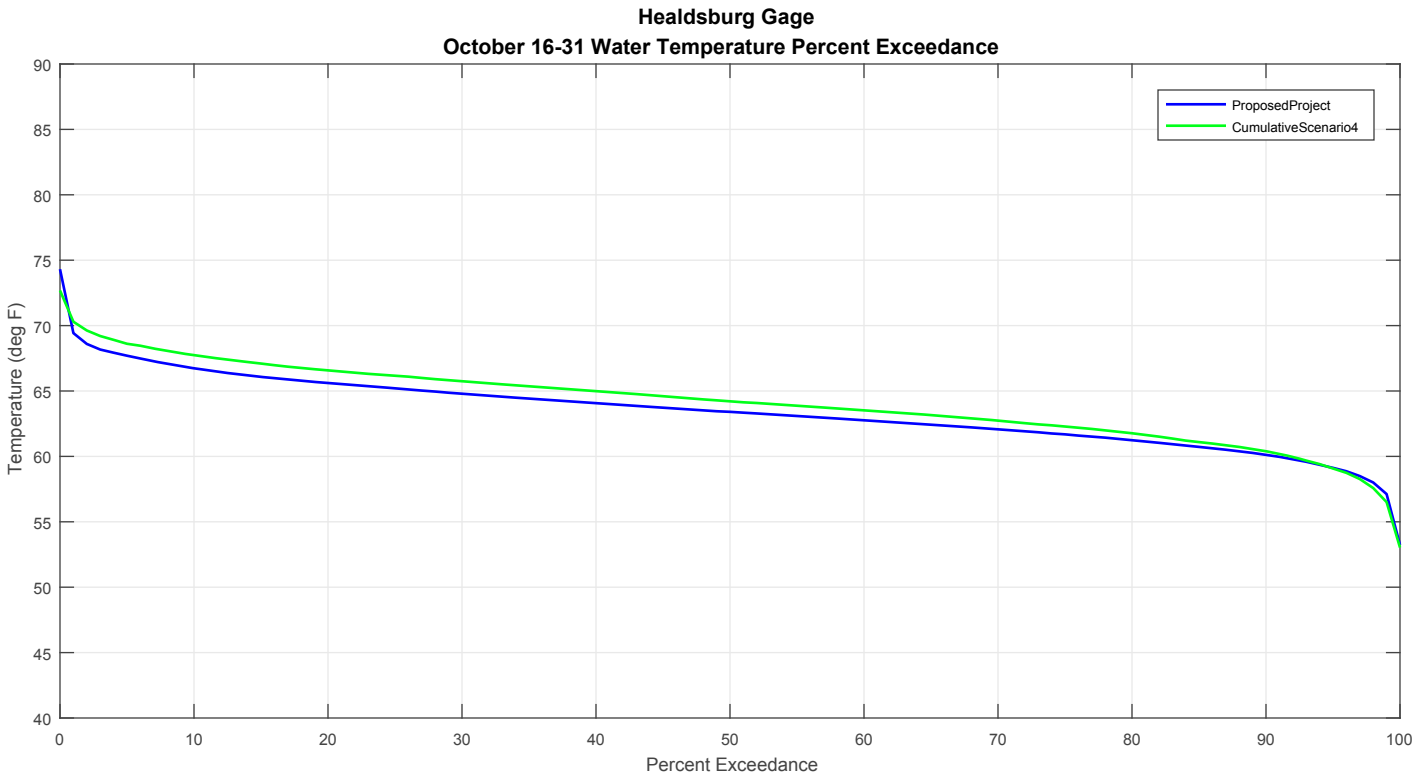
Healdsburg Gage
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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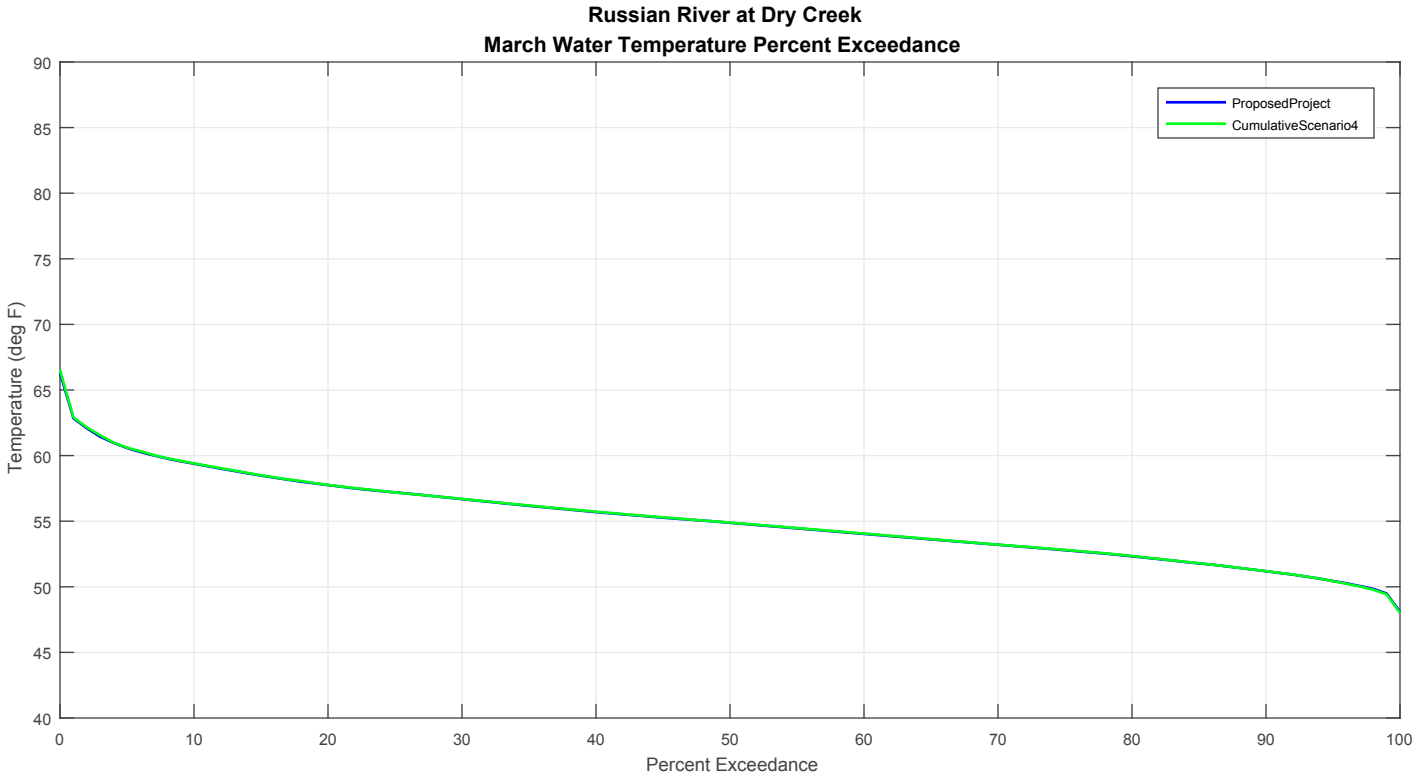
Russian River at Dry Creek
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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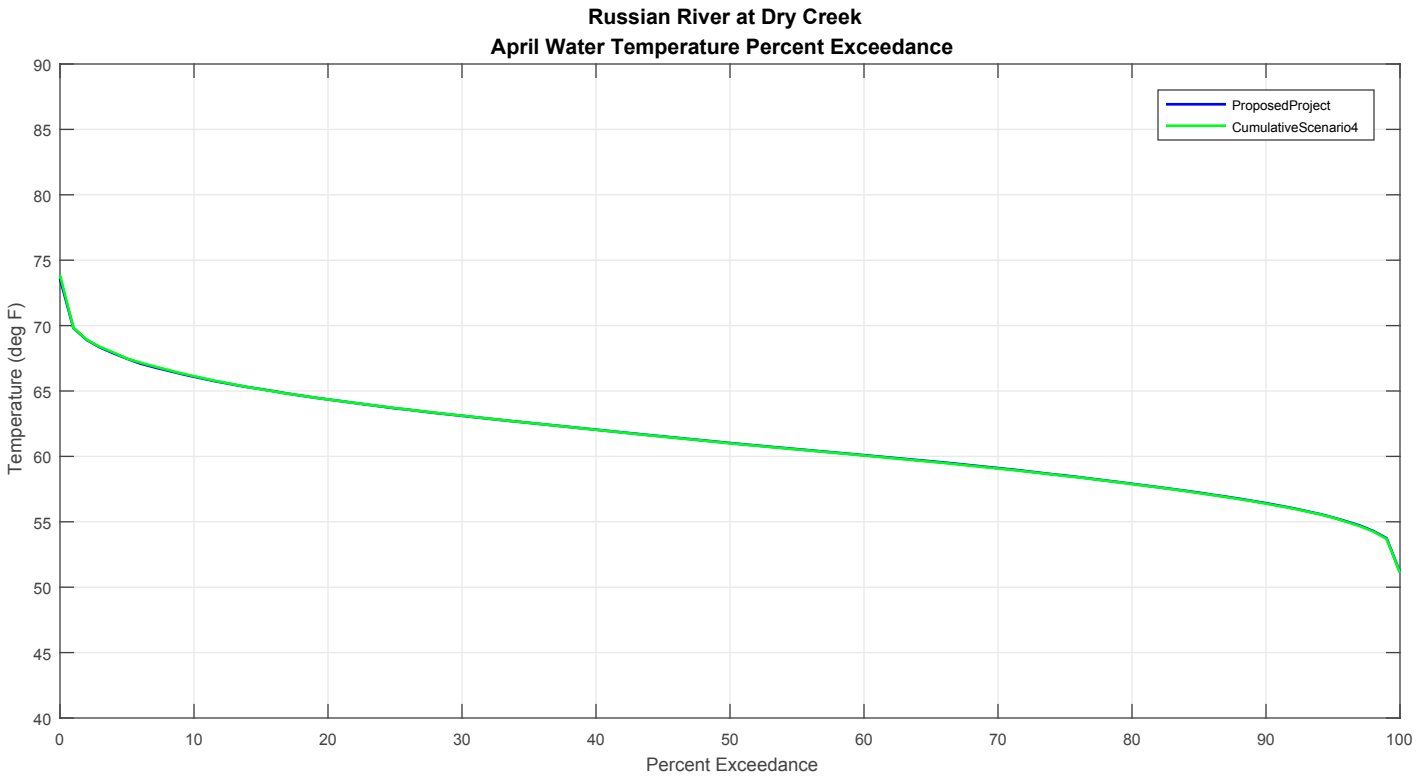
Russian River at Dry Creek
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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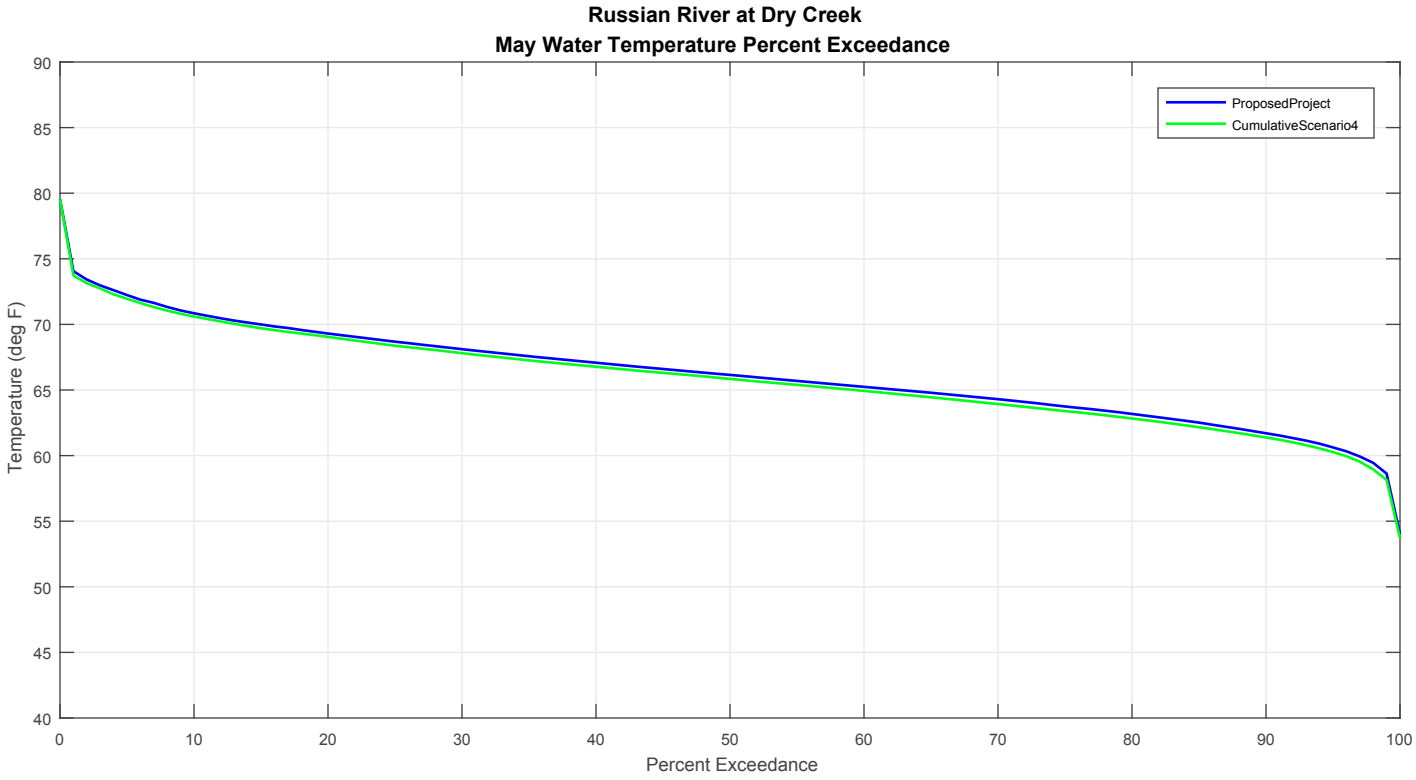
Russian River at Dry Creek
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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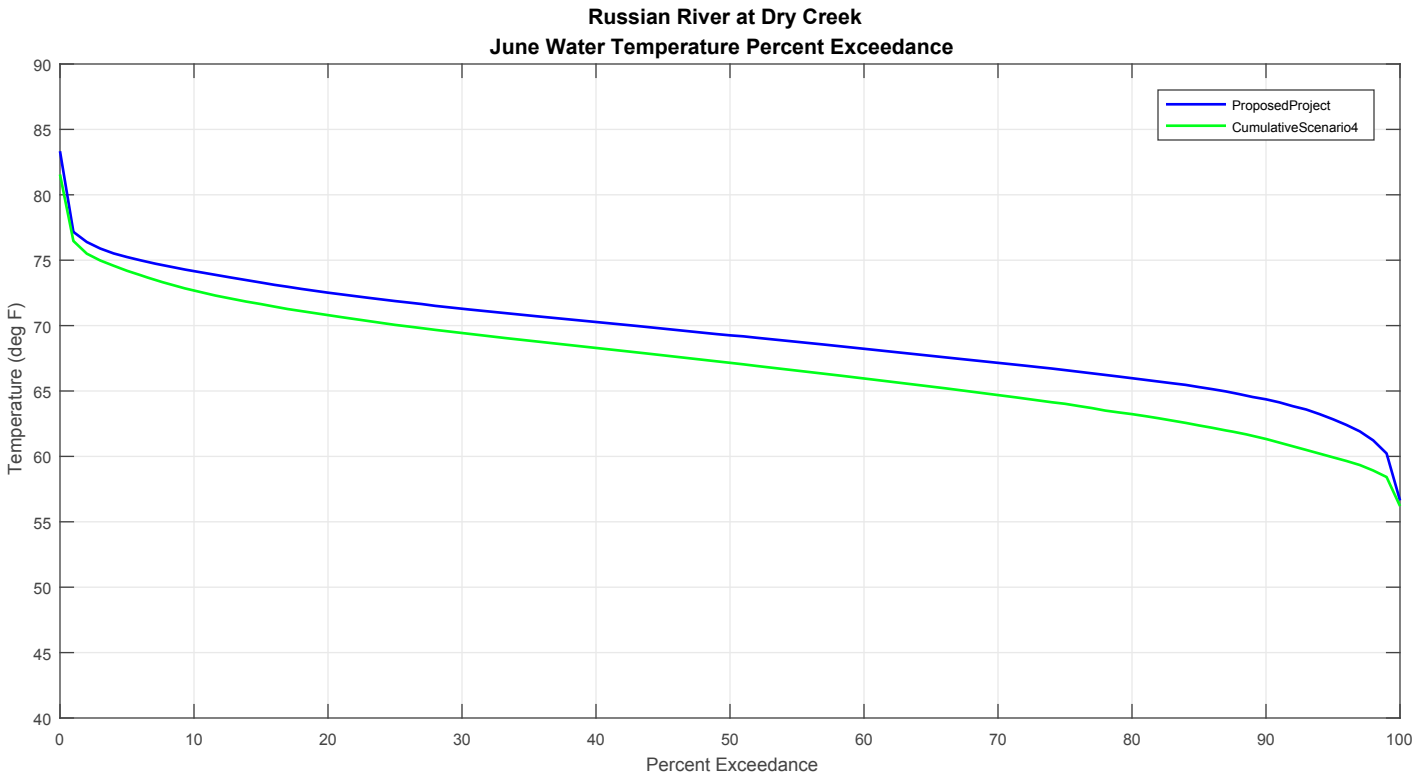
Russian River at Dry Creek
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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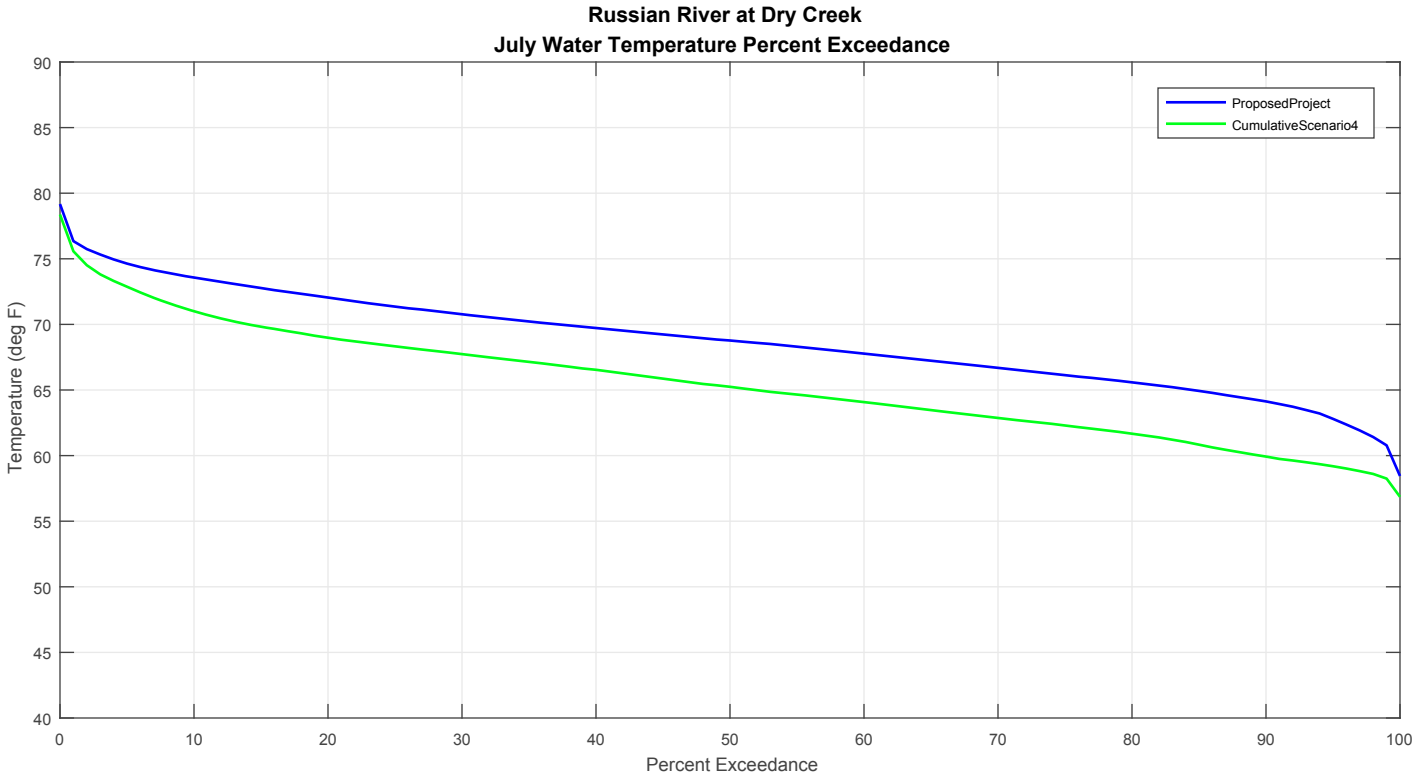
Russian River at Dry Creek
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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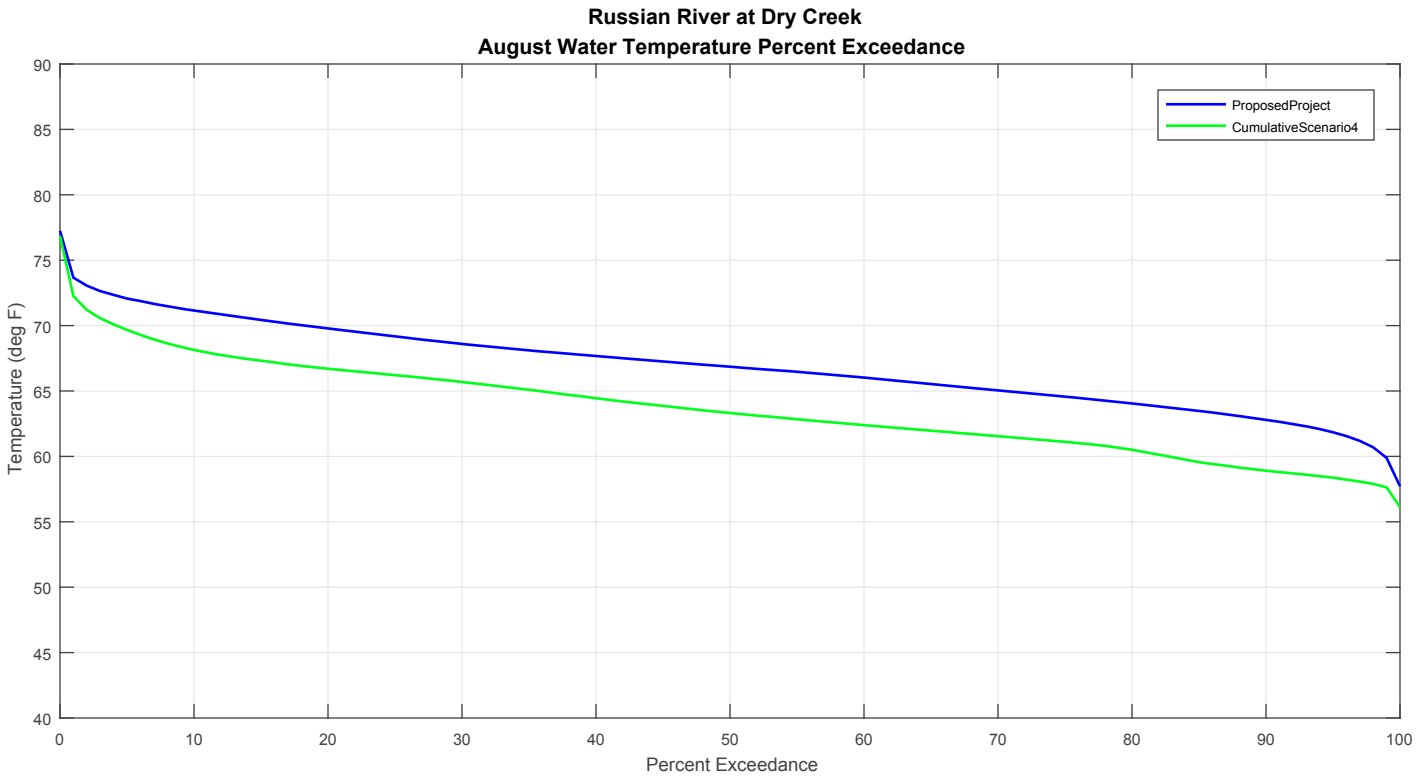
Russian River at Dry Creek
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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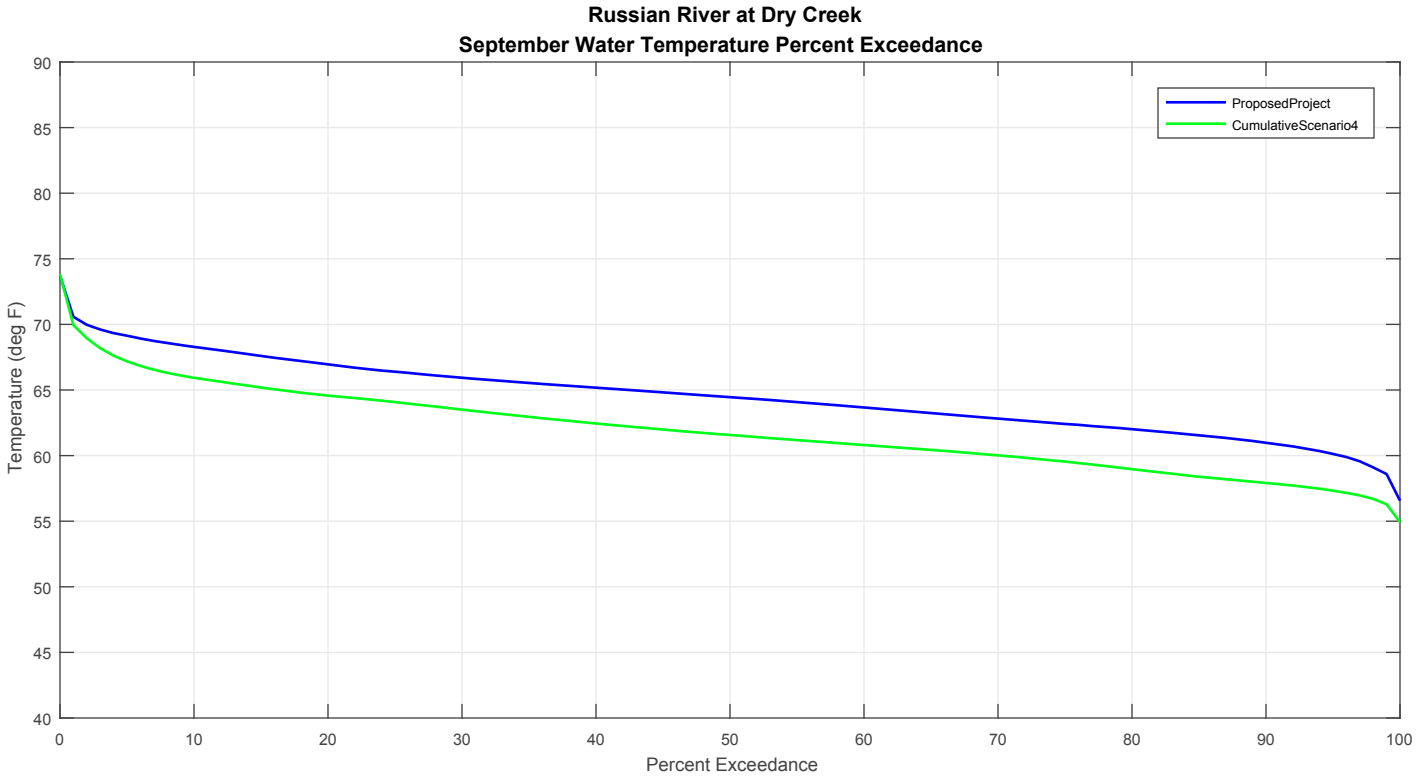
Russian River at Dry Creek
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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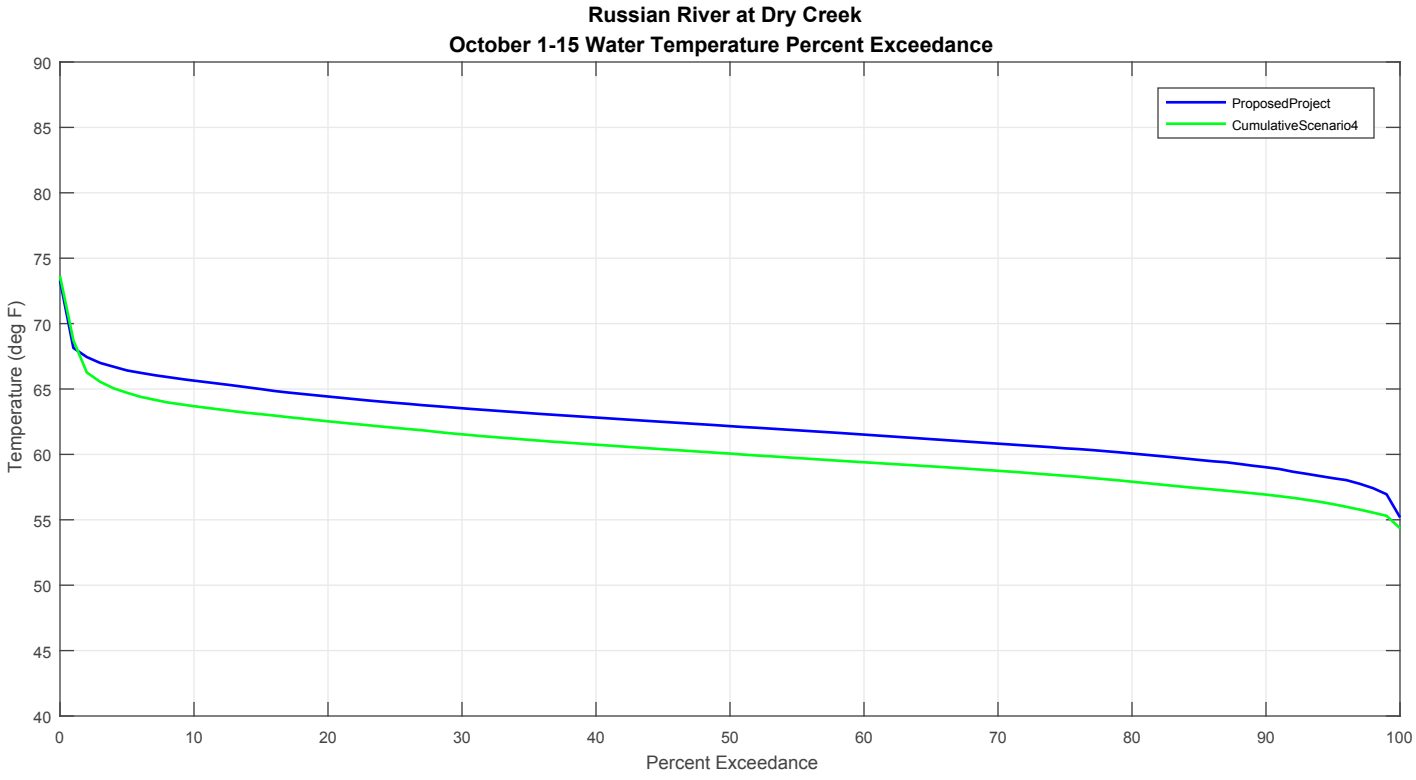
Russian River at Dry Creek
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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Russian River at Dry Creek
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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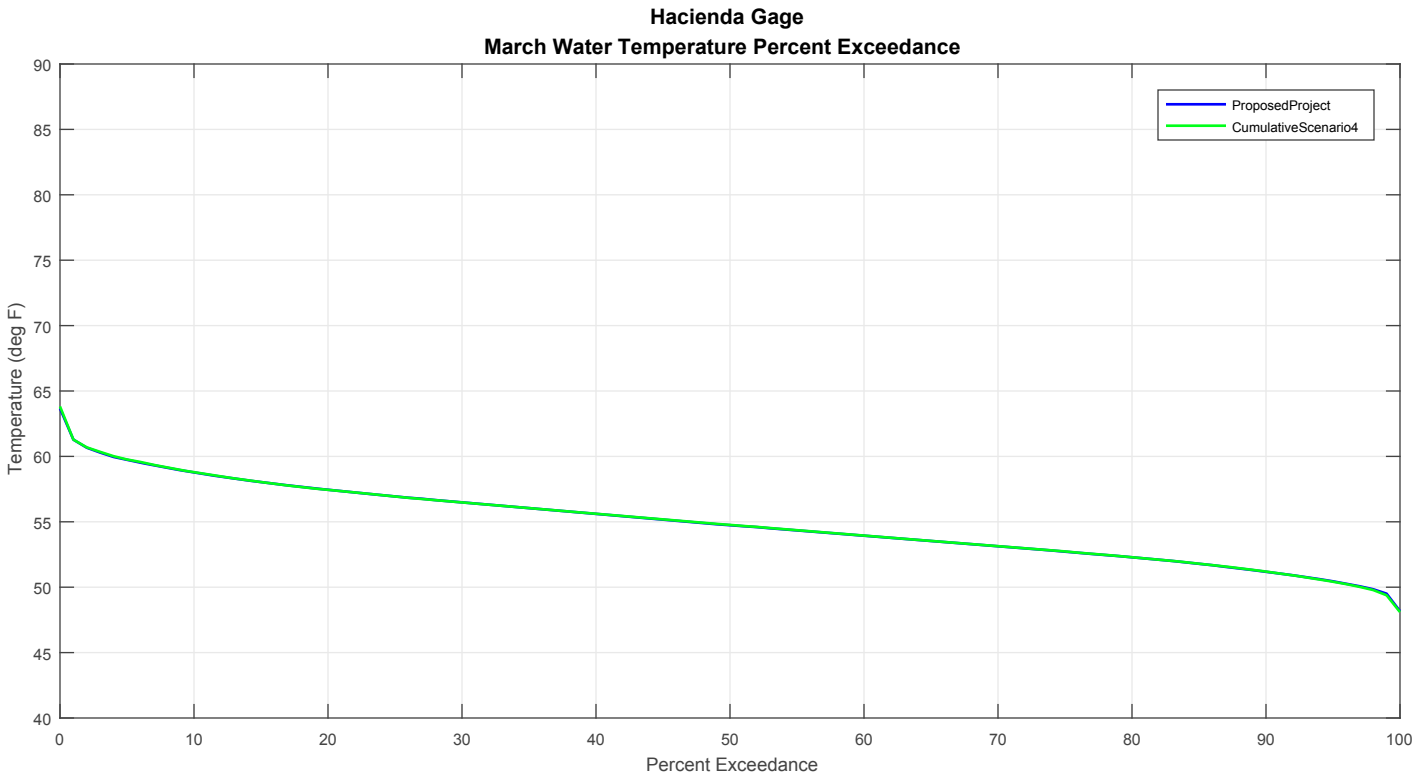
Hacienda Gage
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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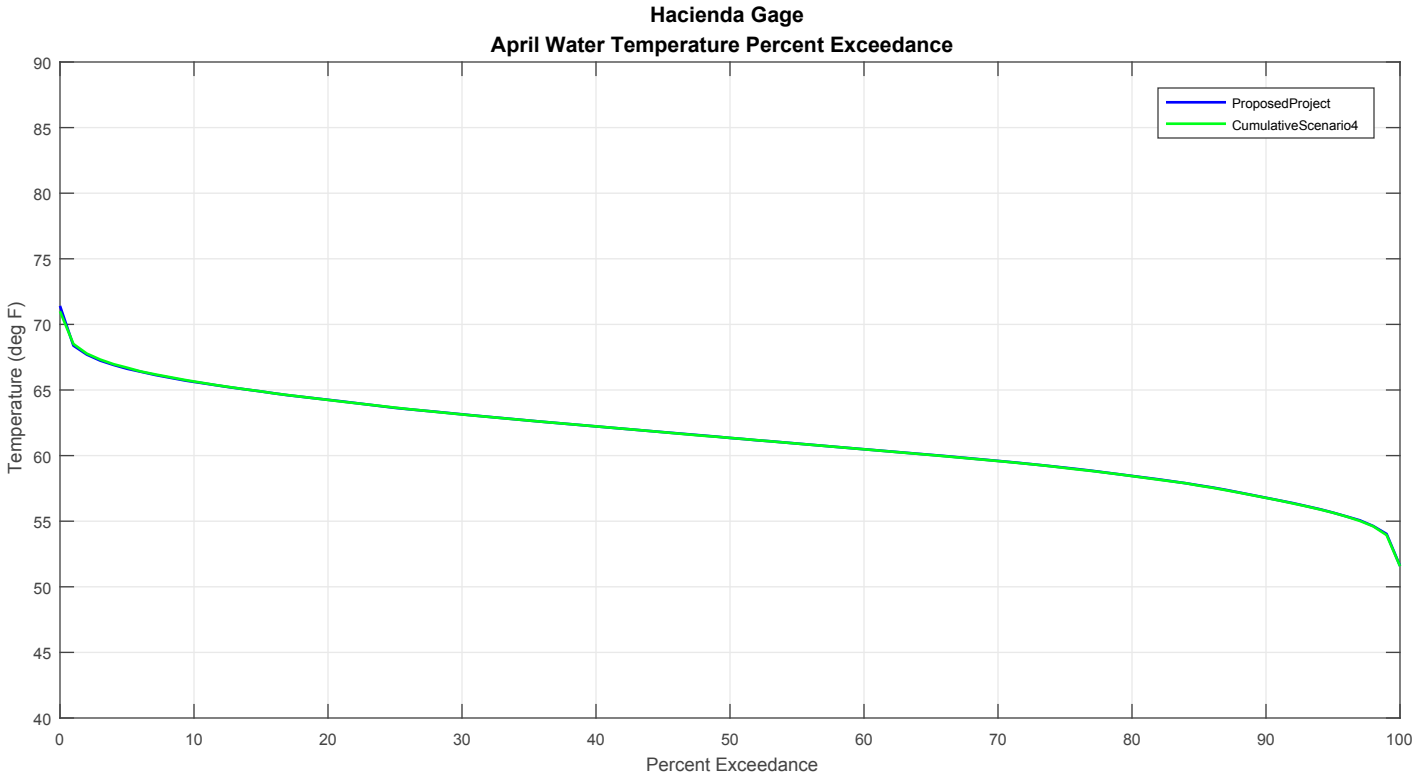
Hacienda Gage
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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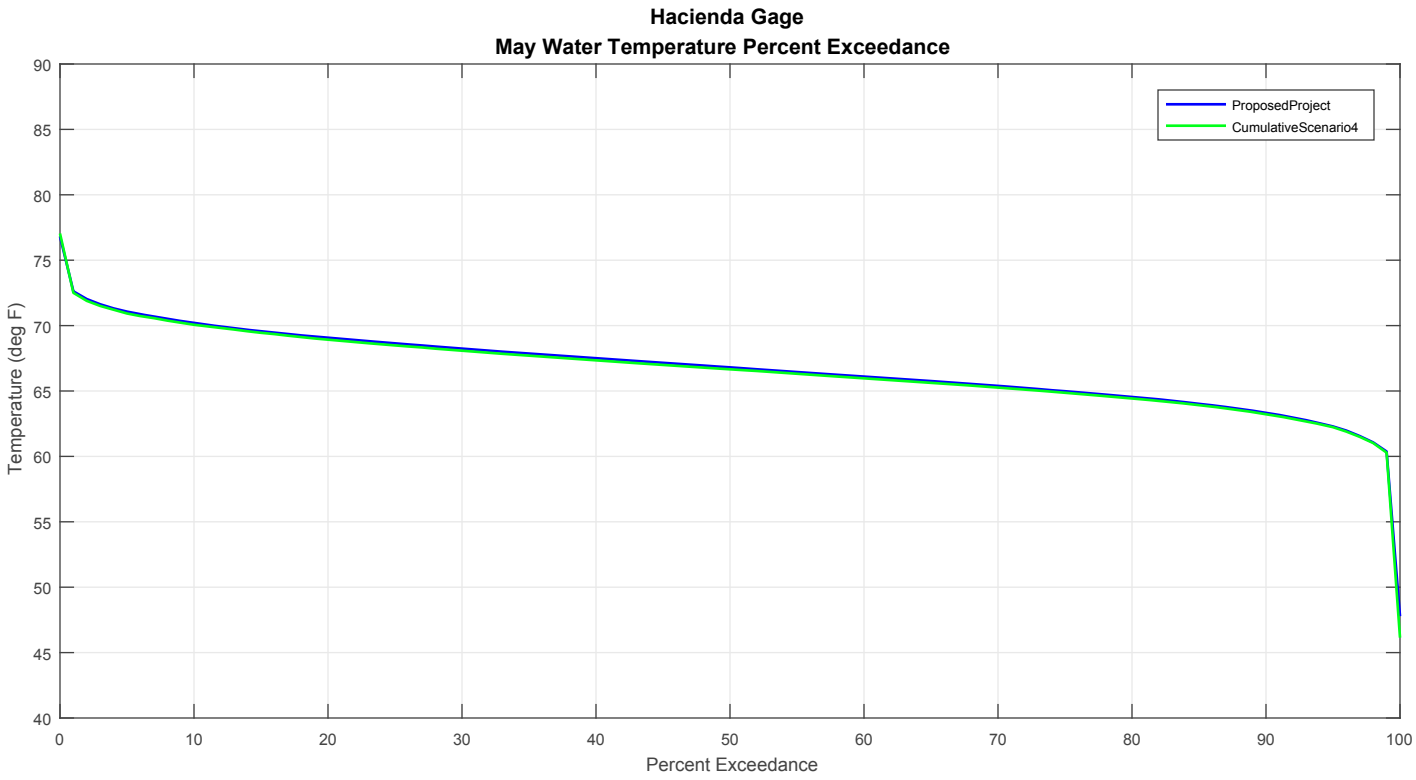
Hacienda Gage
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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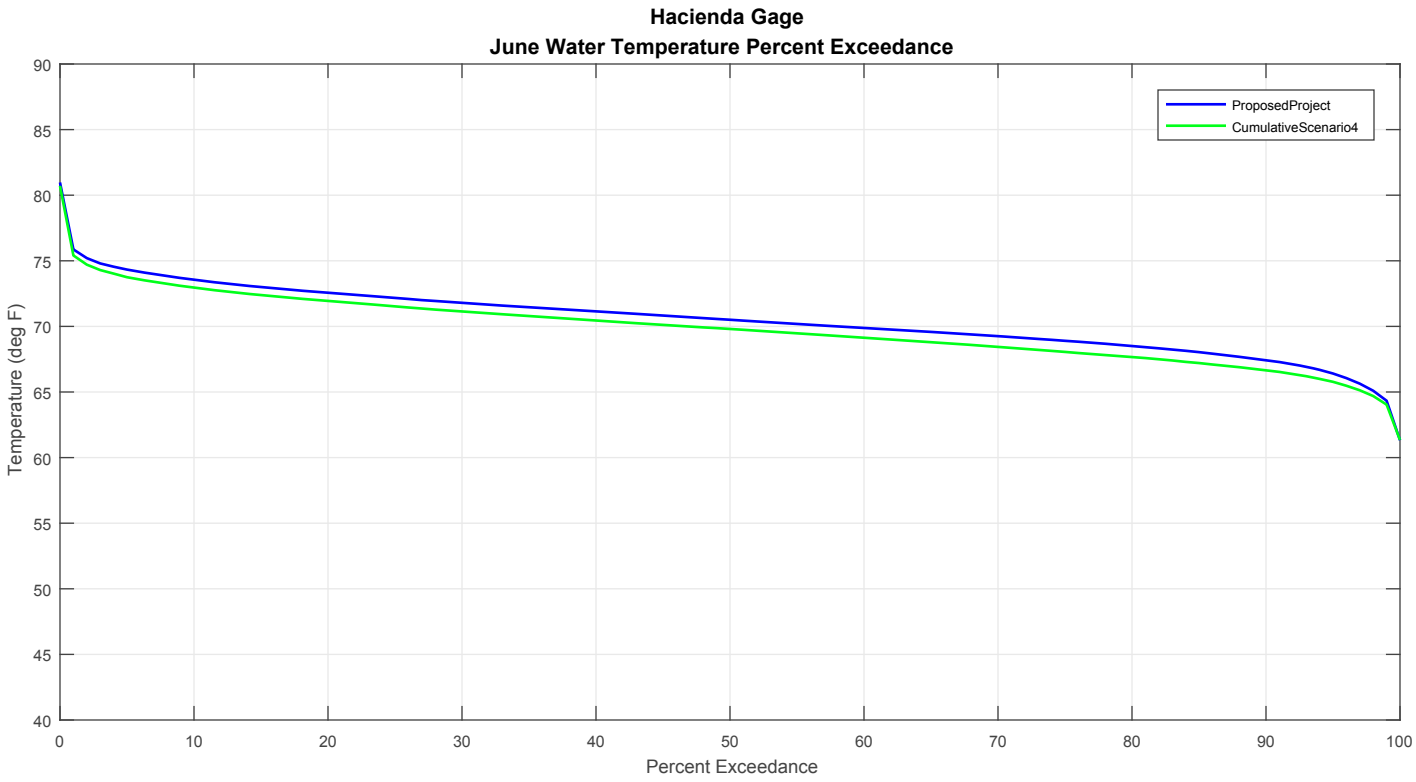
Hacienda Gage
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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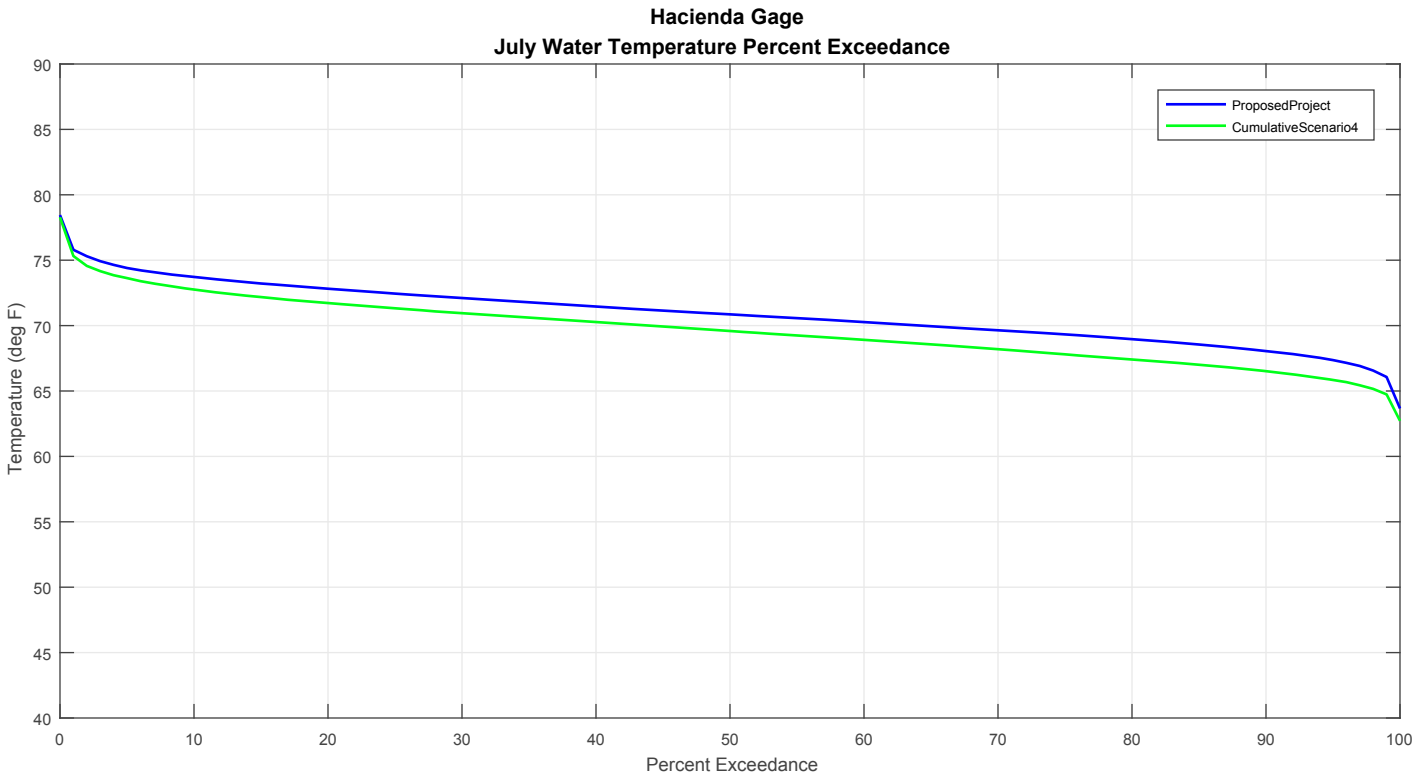
Hacienda Gage
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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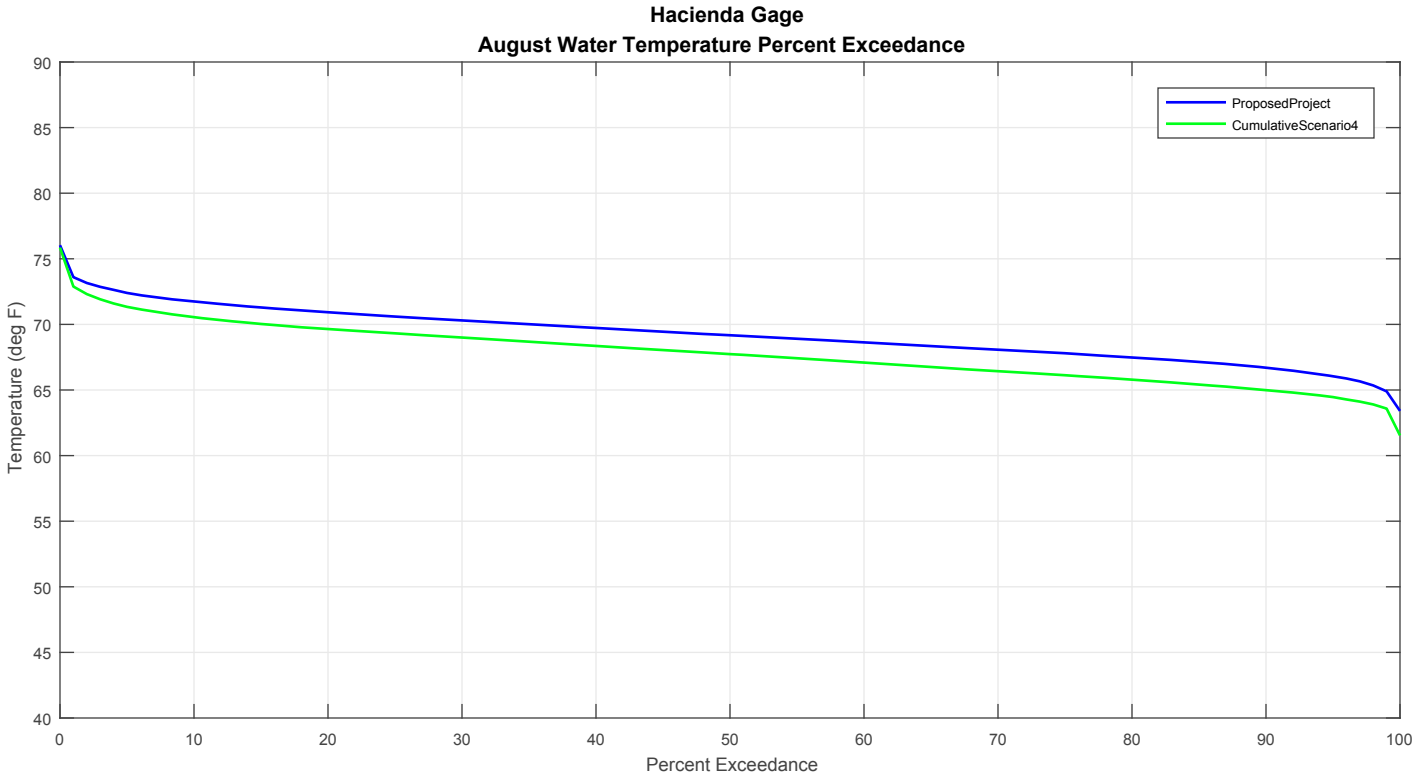
Hacienda Gage
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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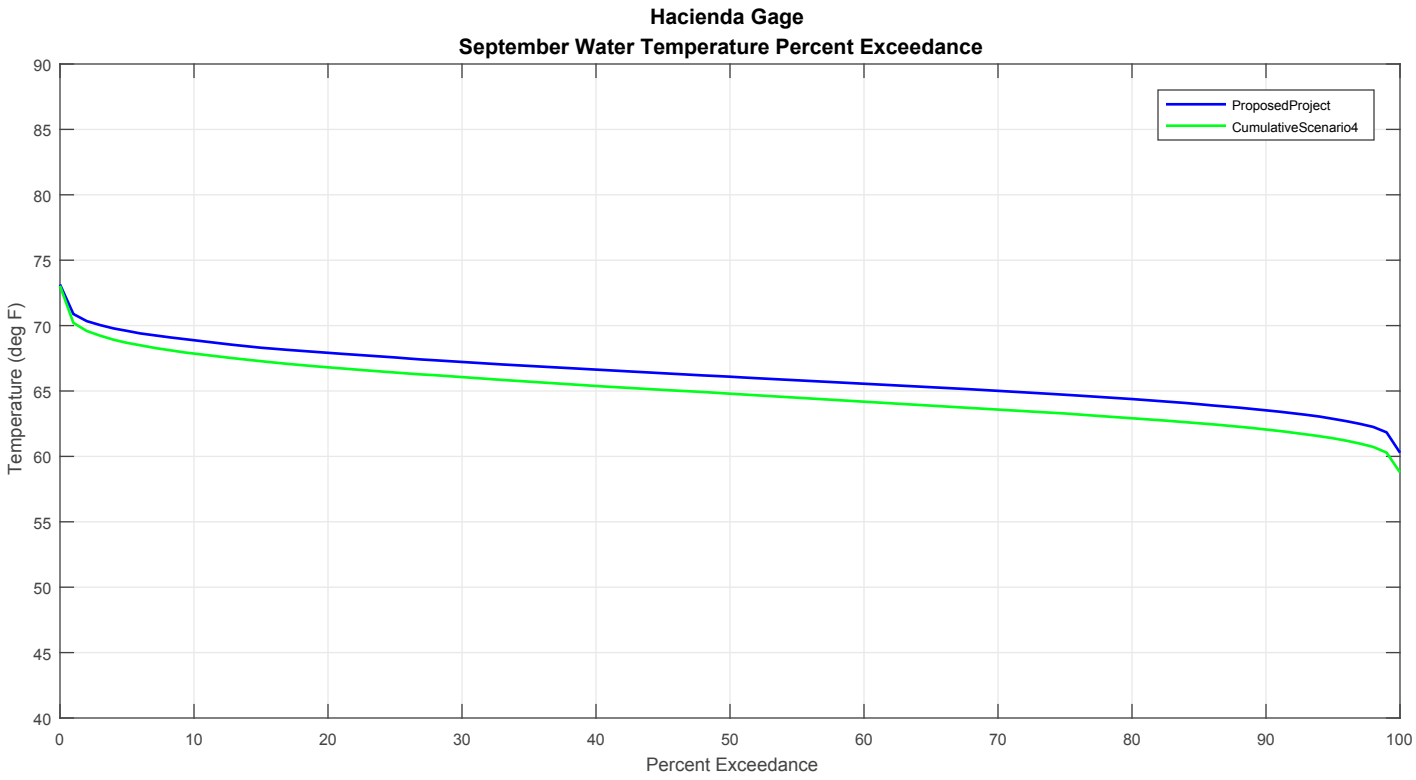
Hacienda Gage
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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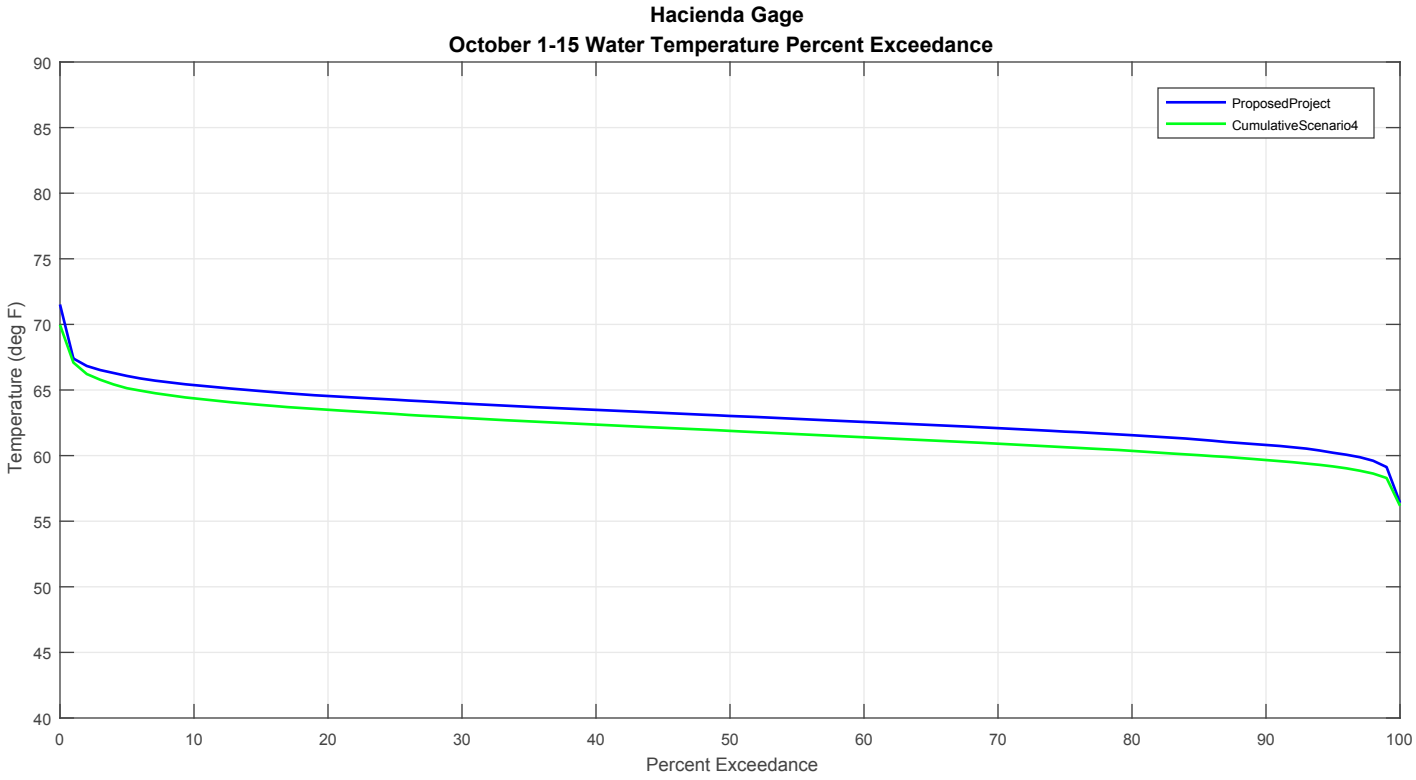
Hacienda Gage
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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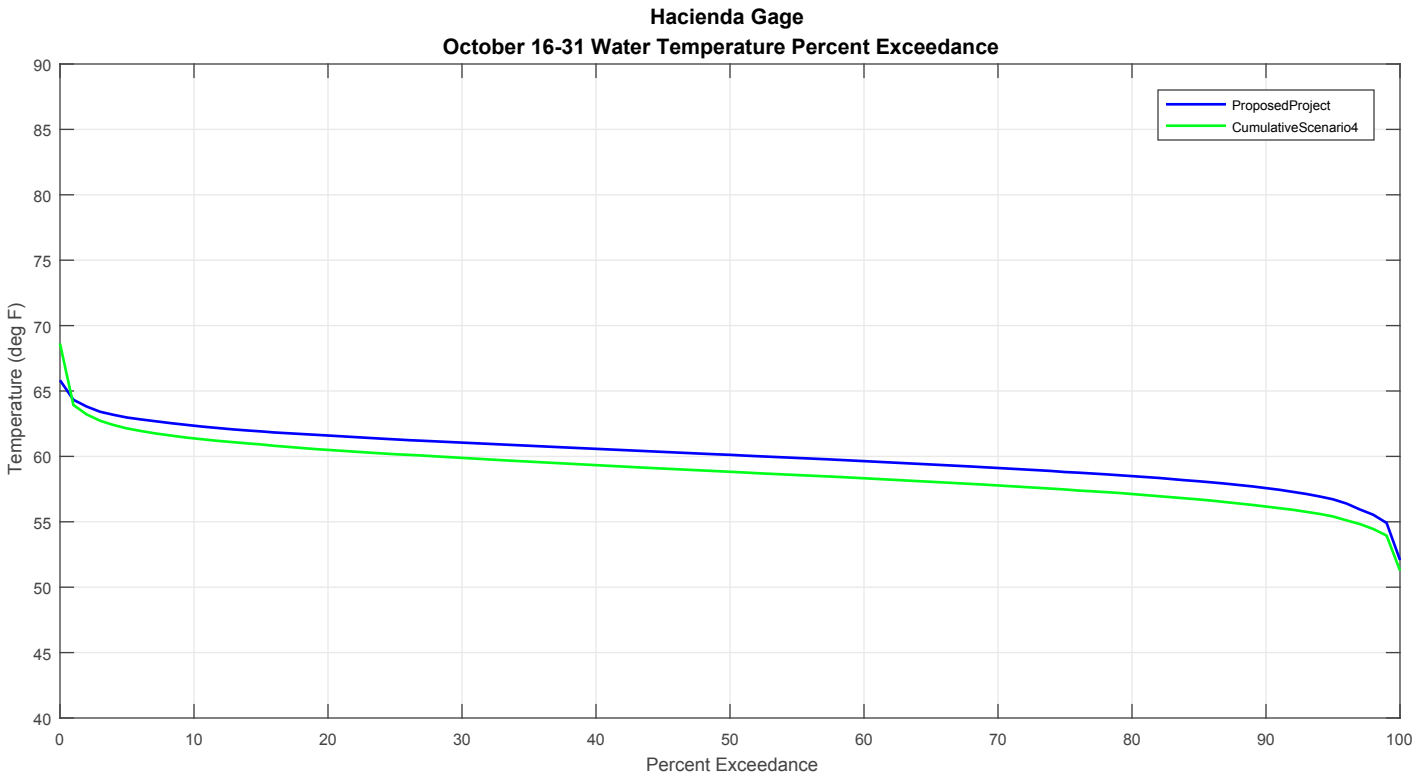
Hacienda Gage
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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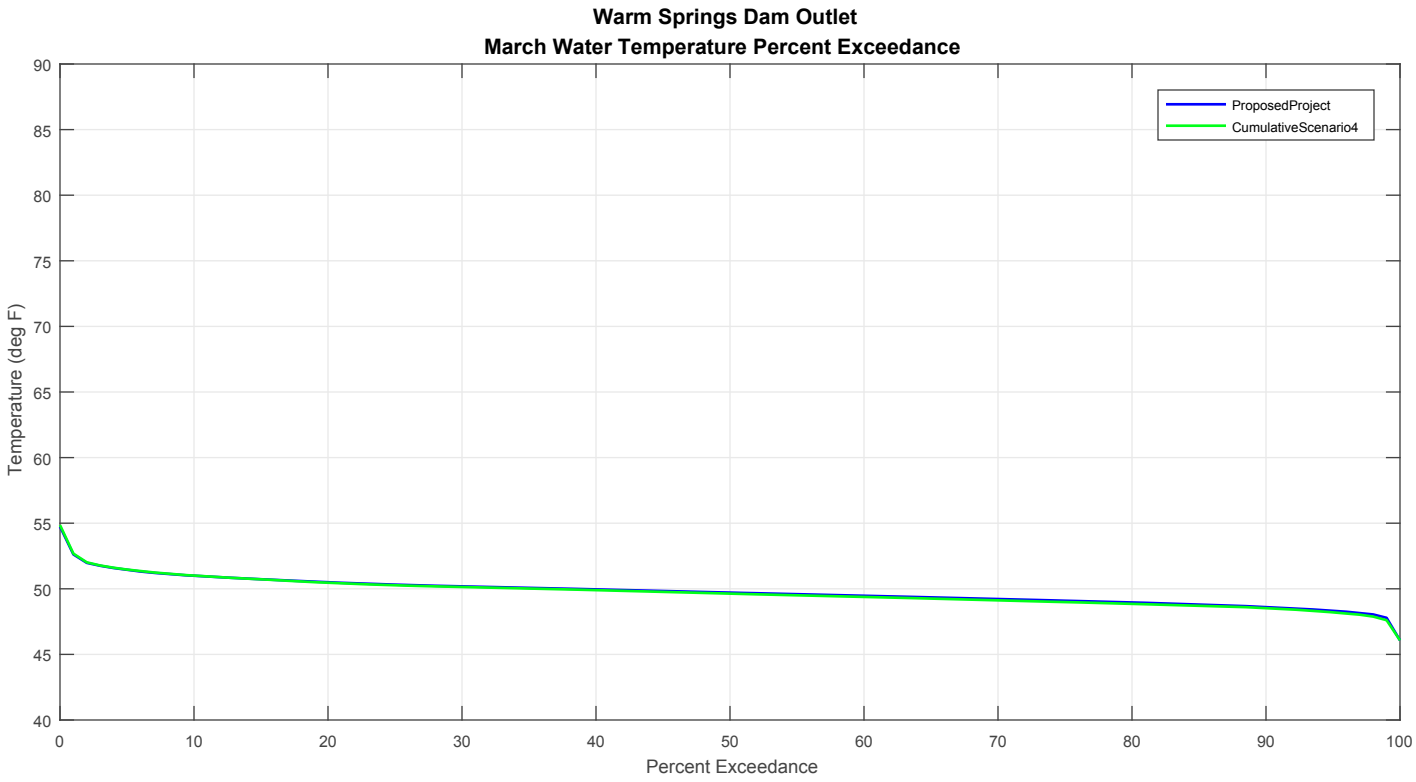
Warm Springs Dam Outlet
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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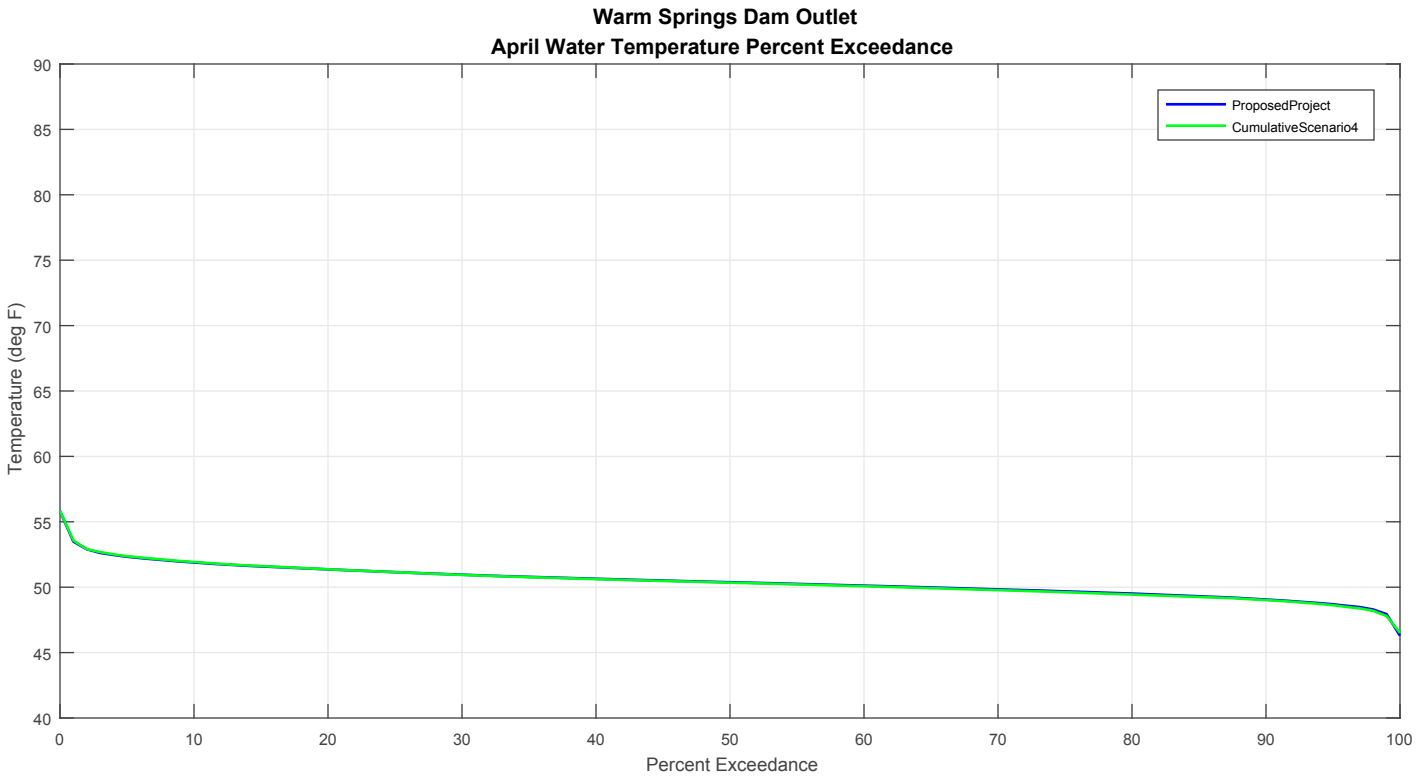
Warm Springs Dam Outlet
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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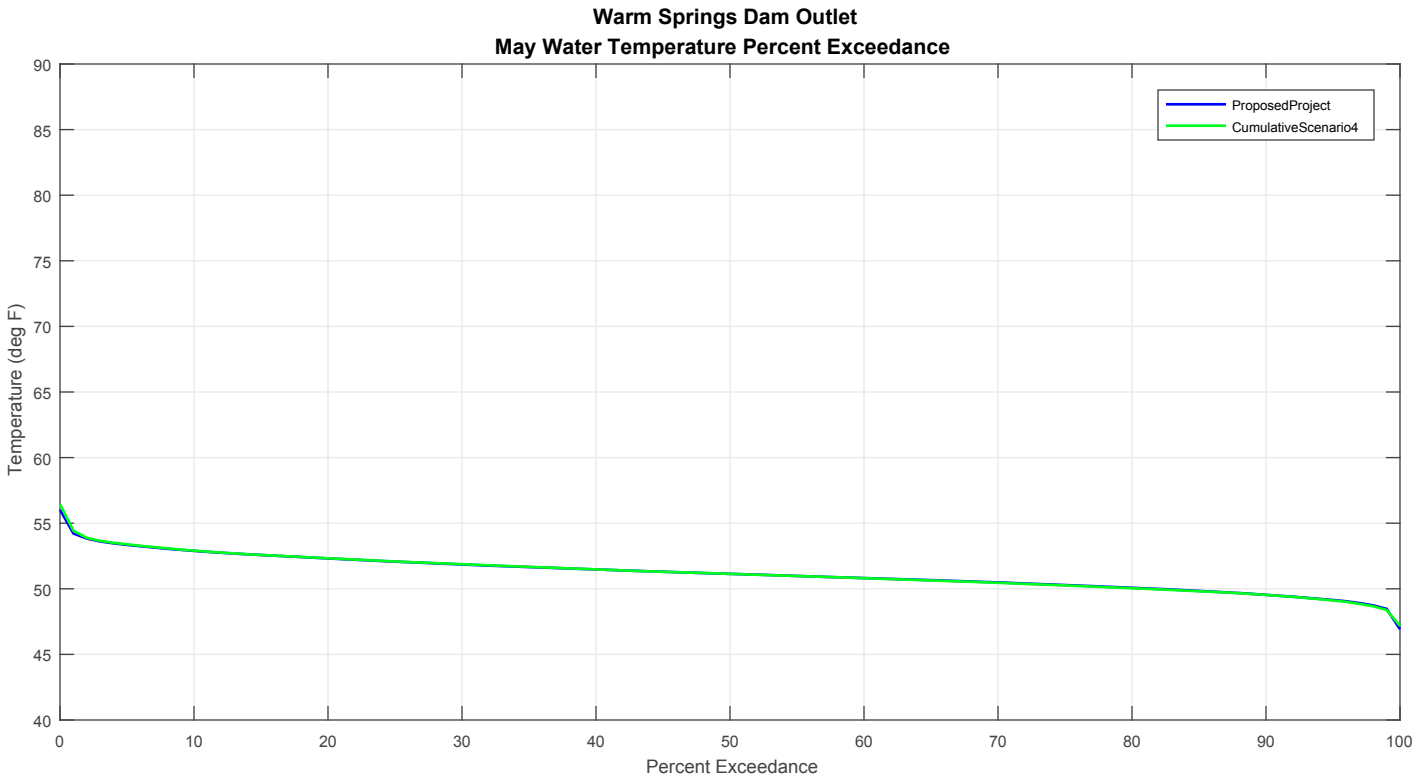
Warm Springs Dam Outlet
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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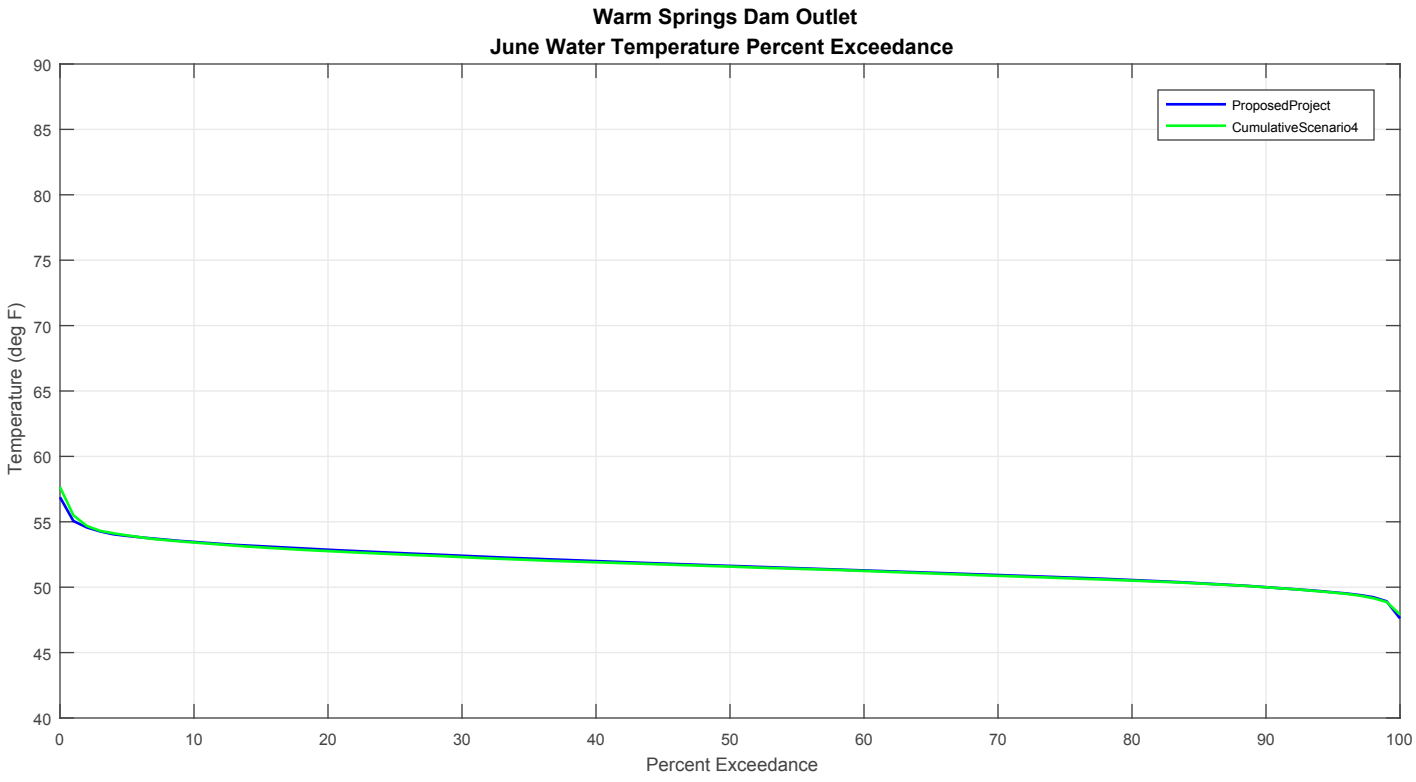
Warm Springs Dam Outlet
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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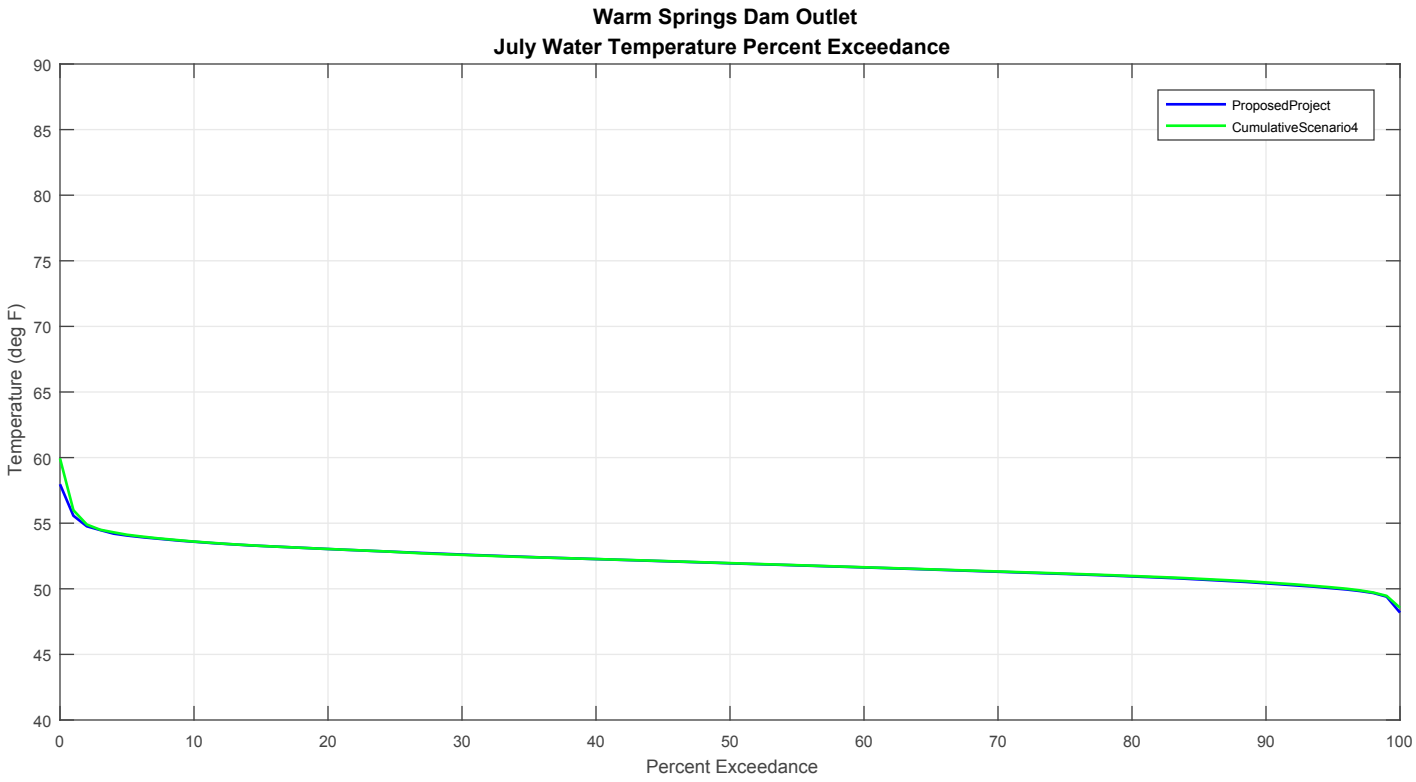
Warm Springs Dam Outlet
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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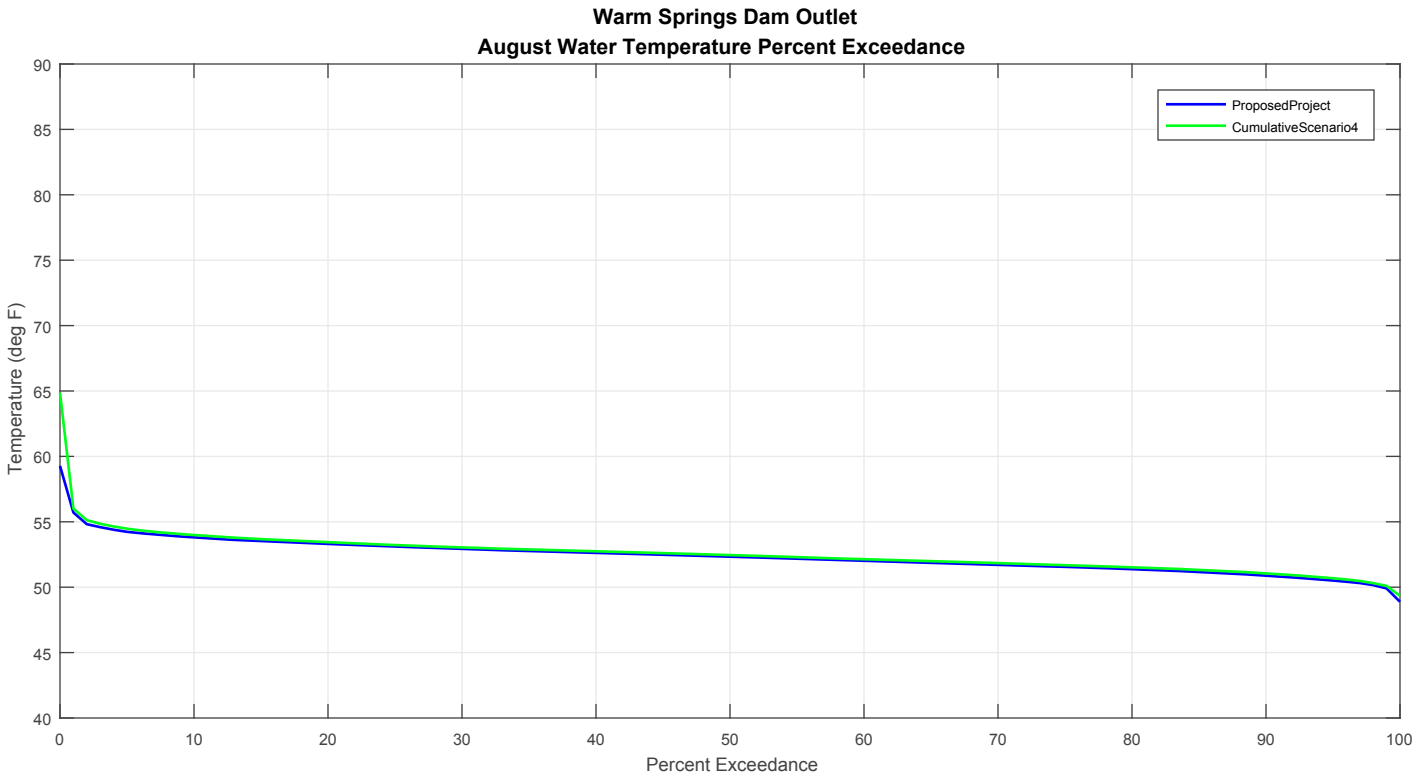
Warm Springs Dam Outlet
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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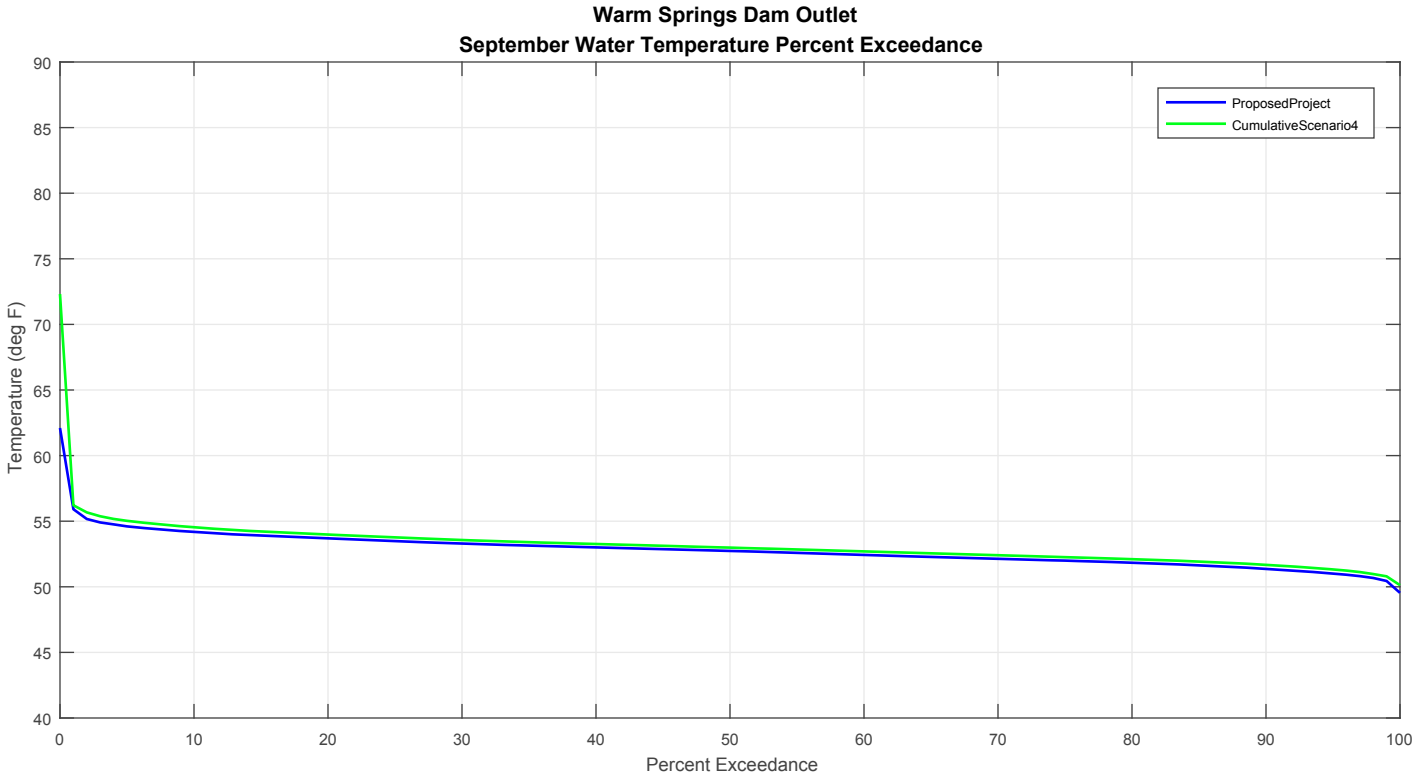
Warm Springs Dam Outlet
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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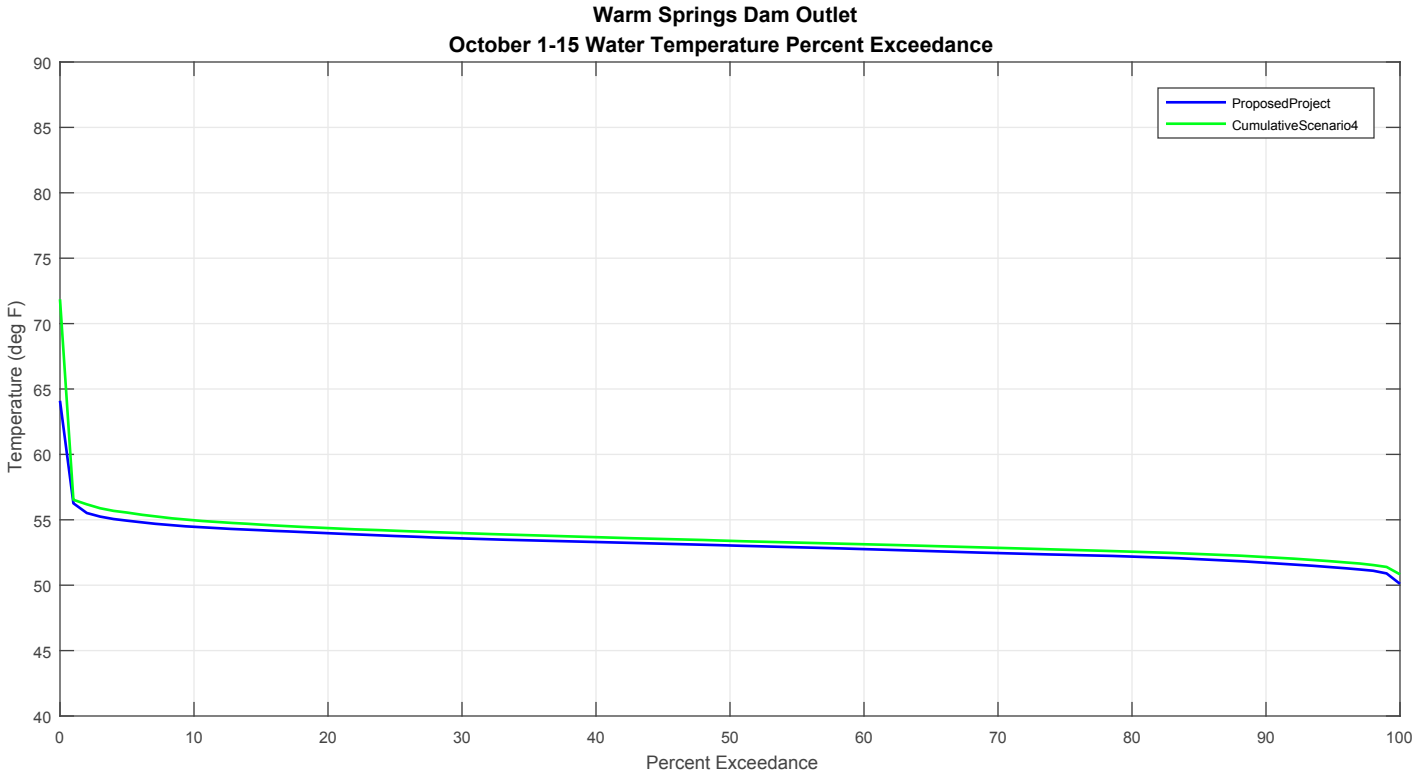
Warm Springs Dam Outlet
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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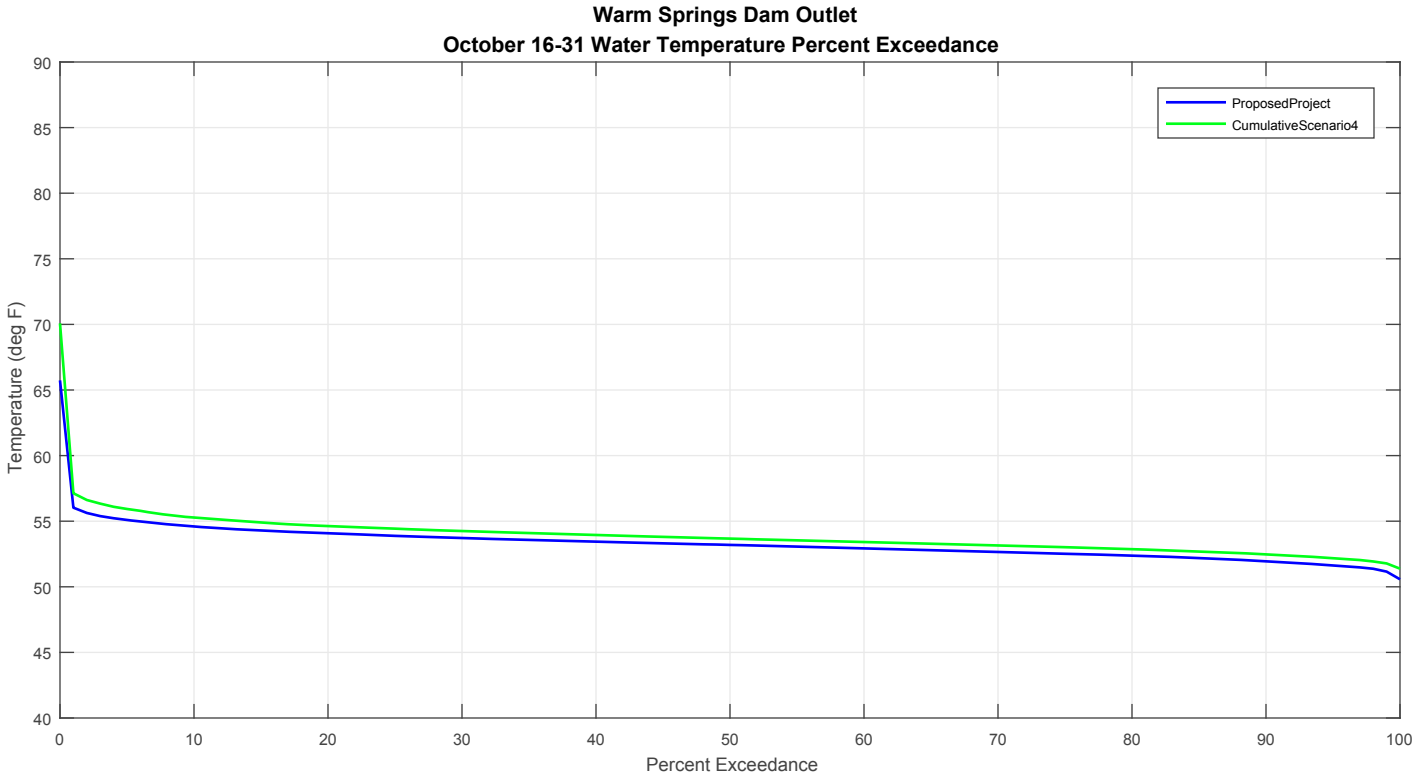
Warm Springs Dam Outlet
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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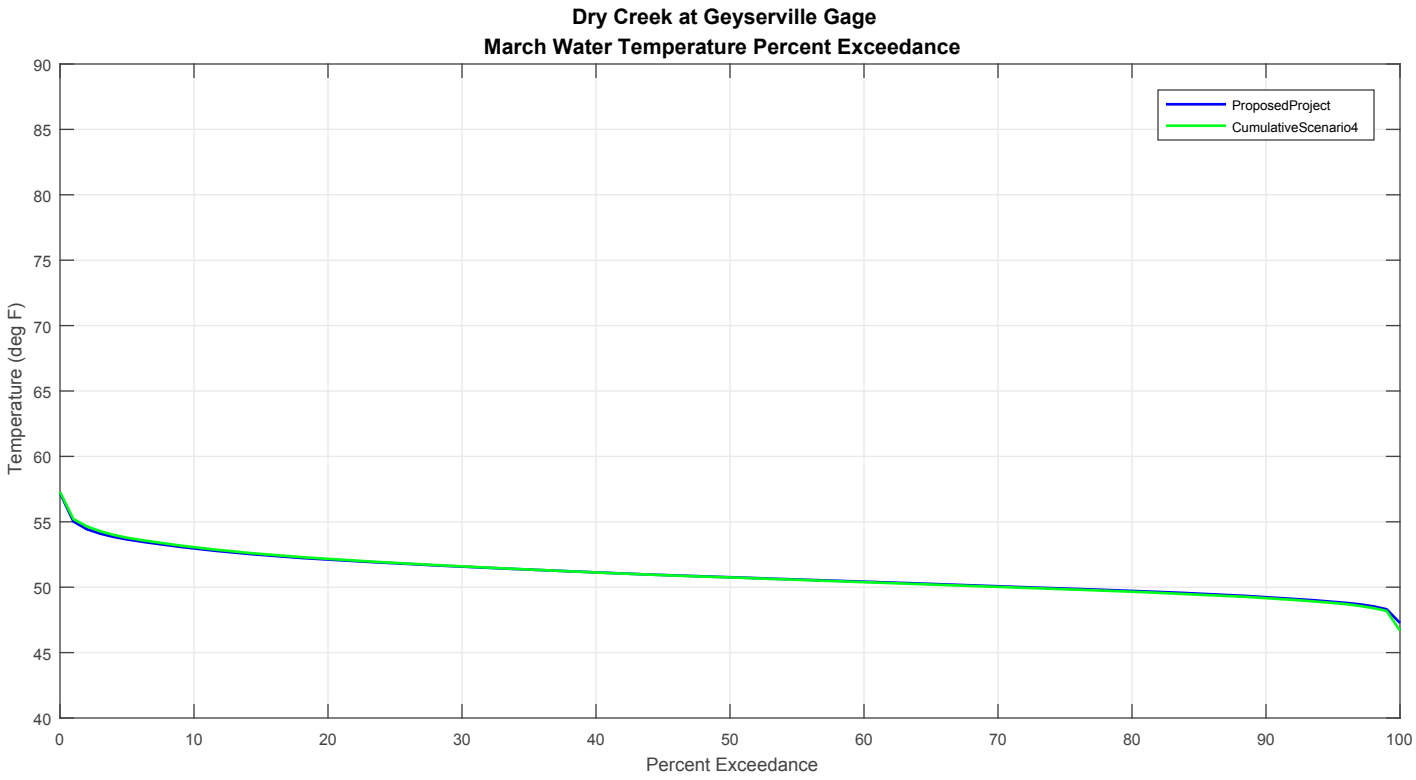
Dry Creek at Geyserville Gage
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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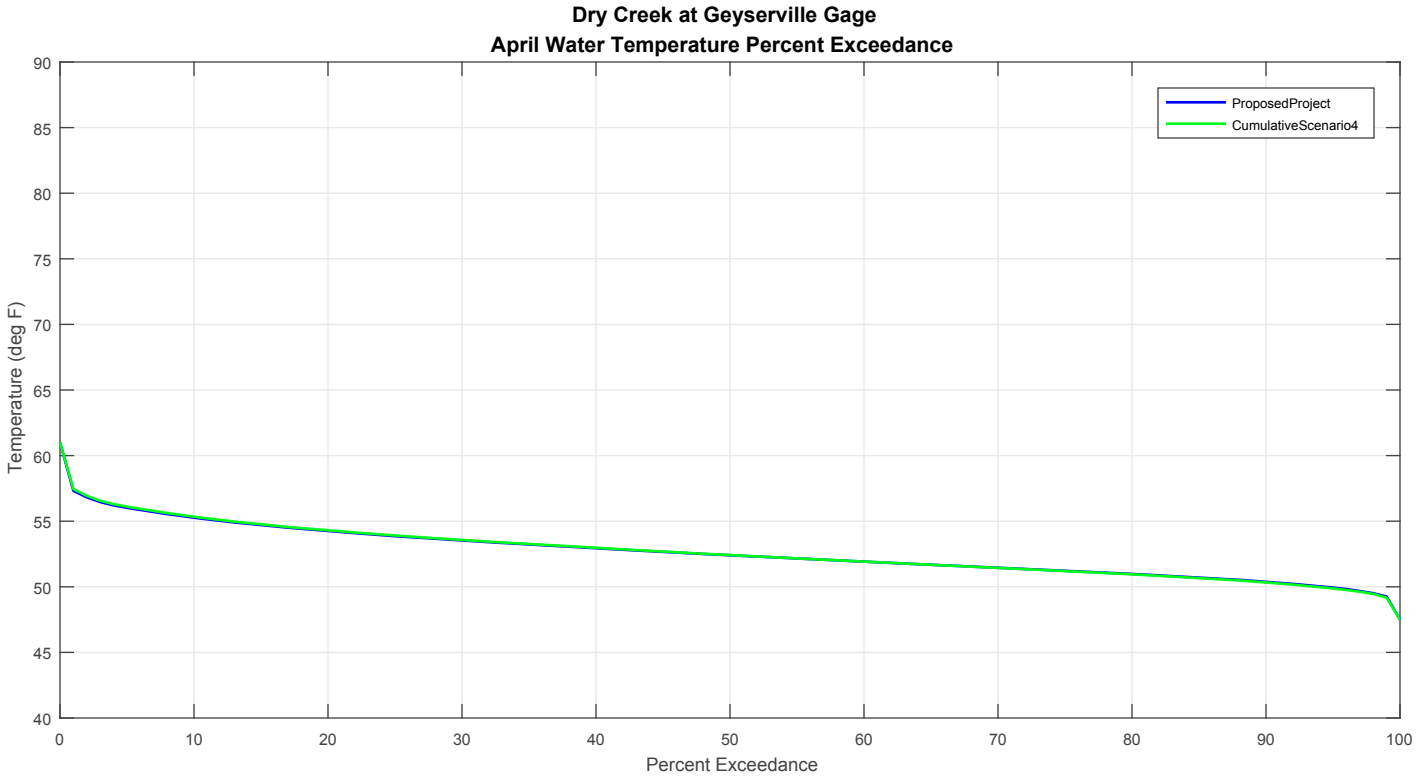
Dry Creek at Geyserville Gage
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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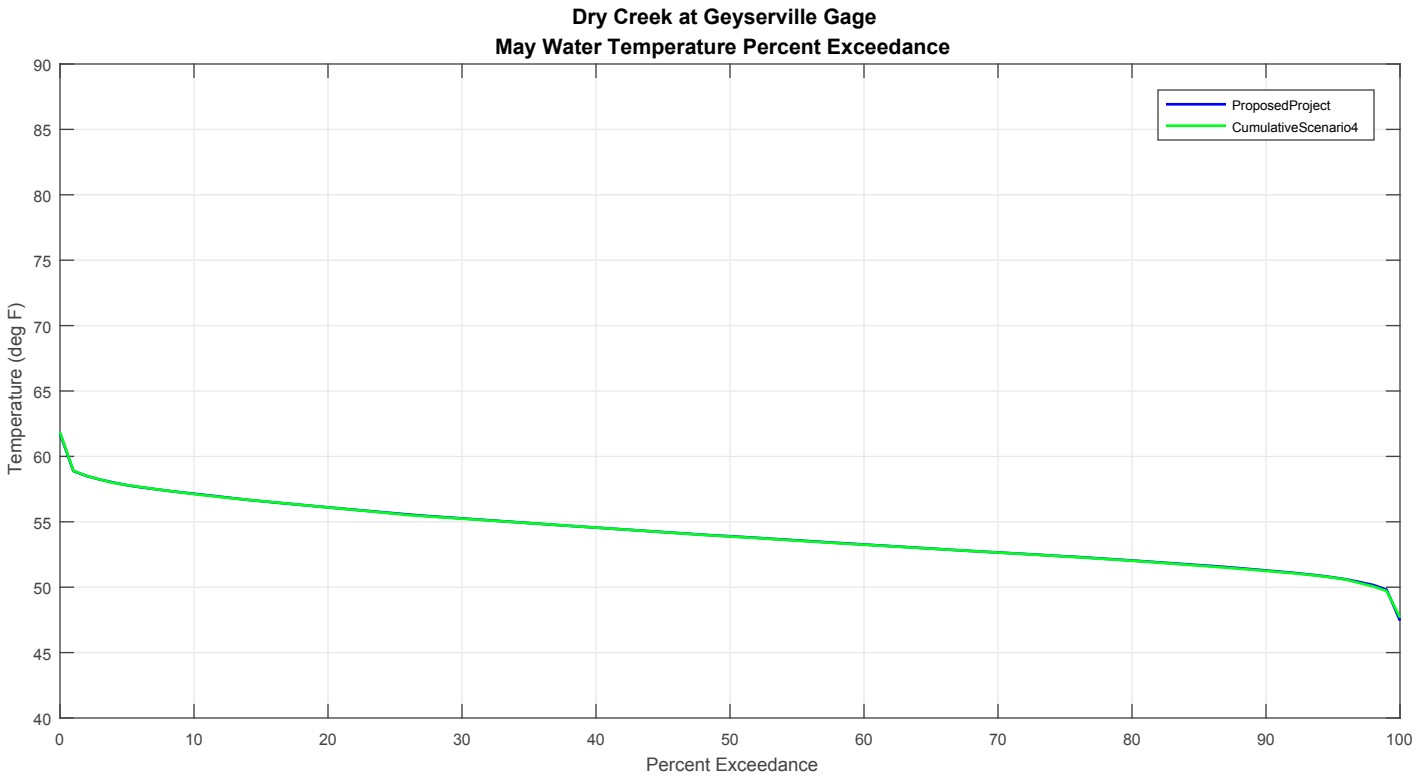
Dry Creek at Geyserville Gage
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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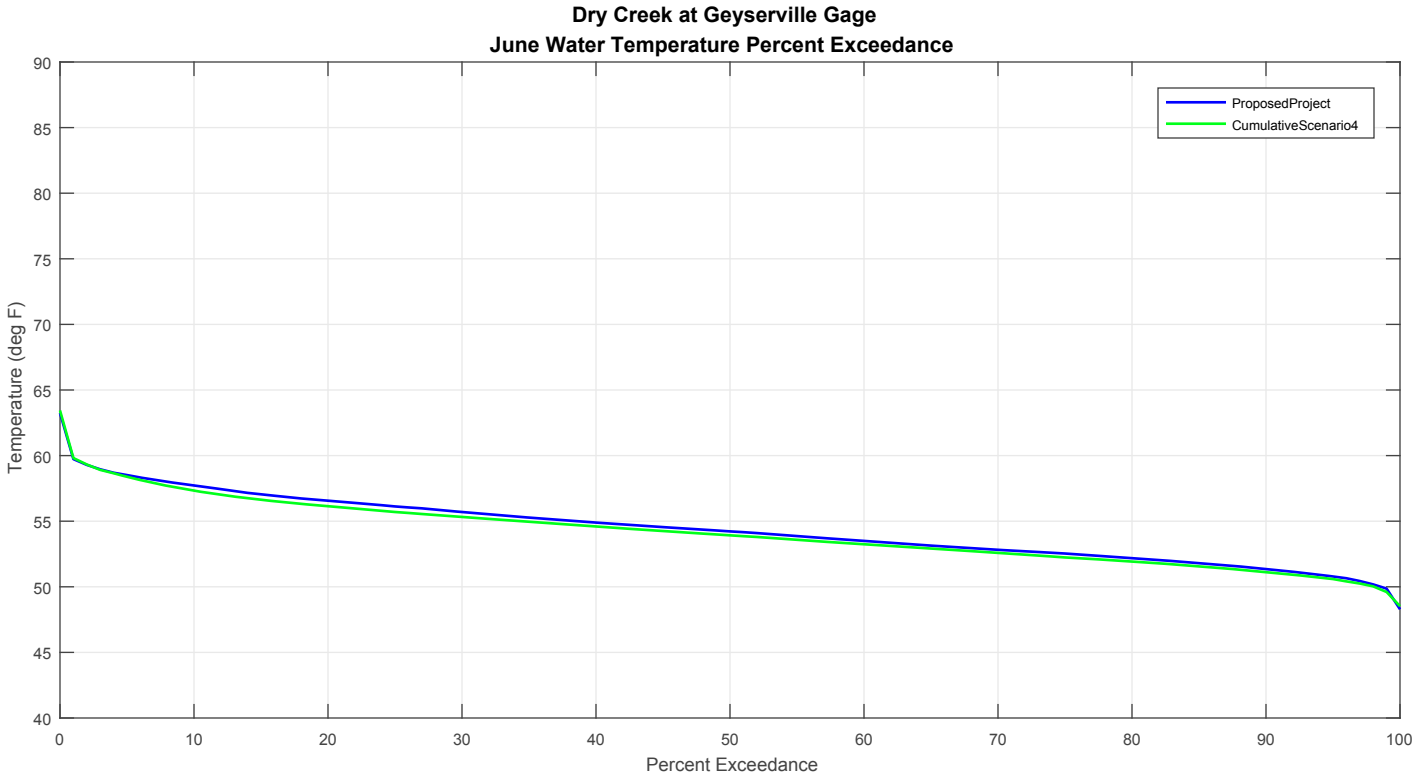
Dry Creek at Geyserville Gage
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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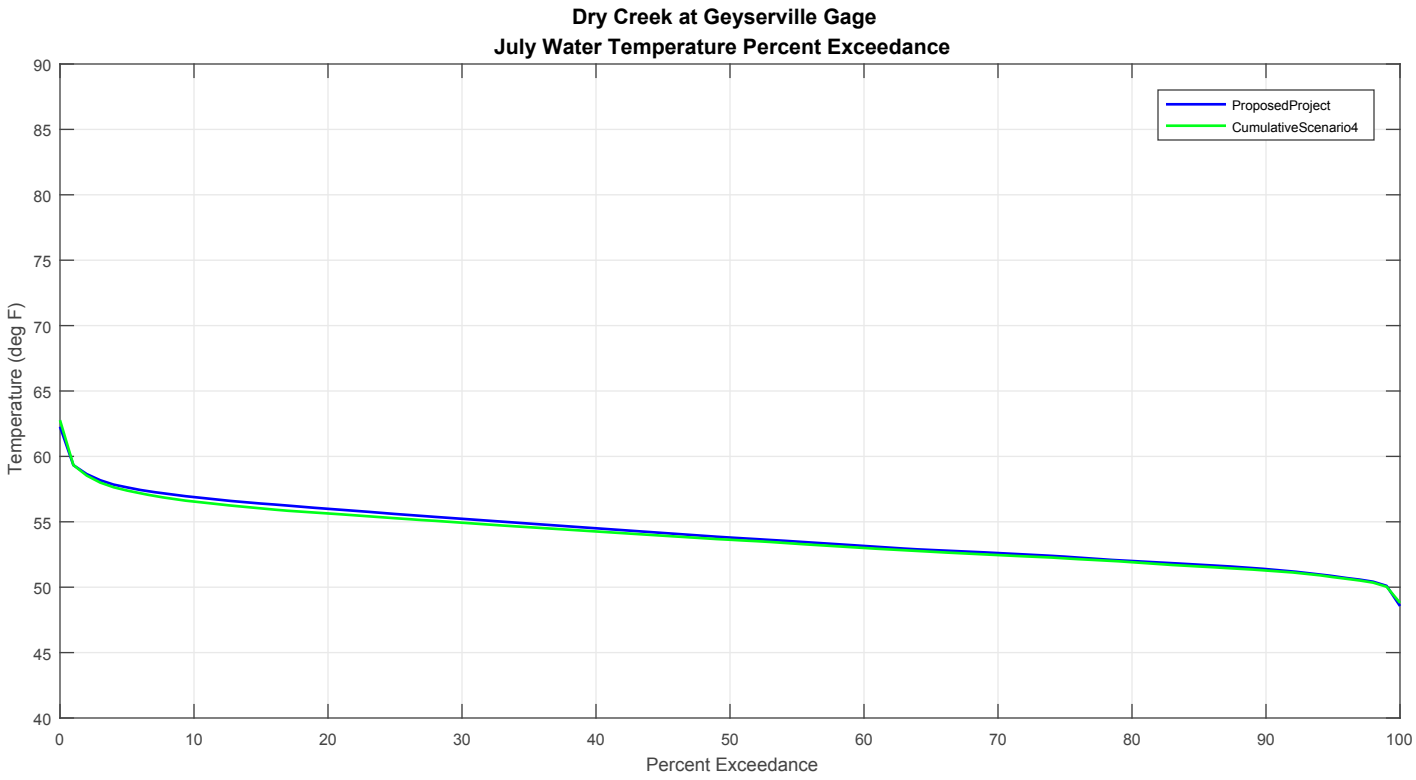
Dry Creek at Geyserville Gage
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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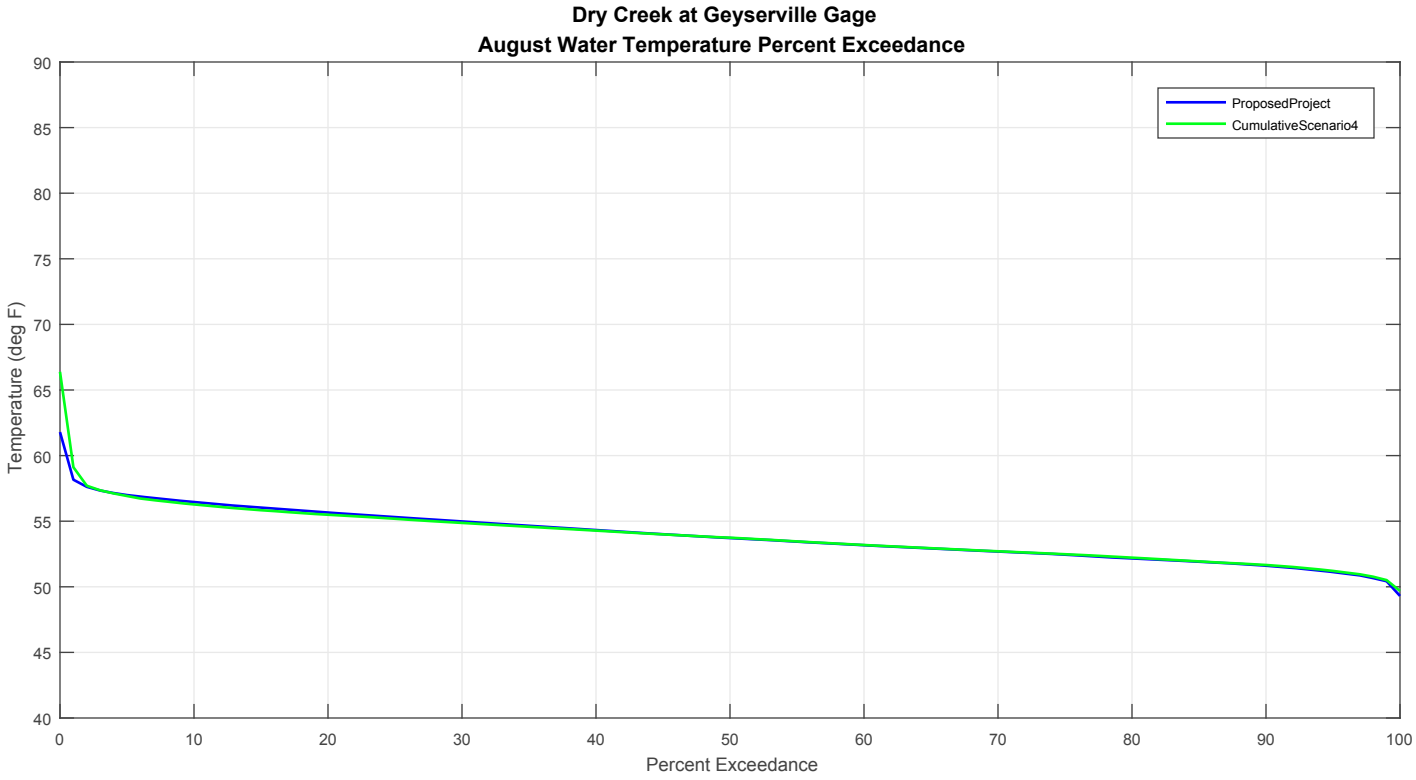
Dry Creek at Geyserville Gage
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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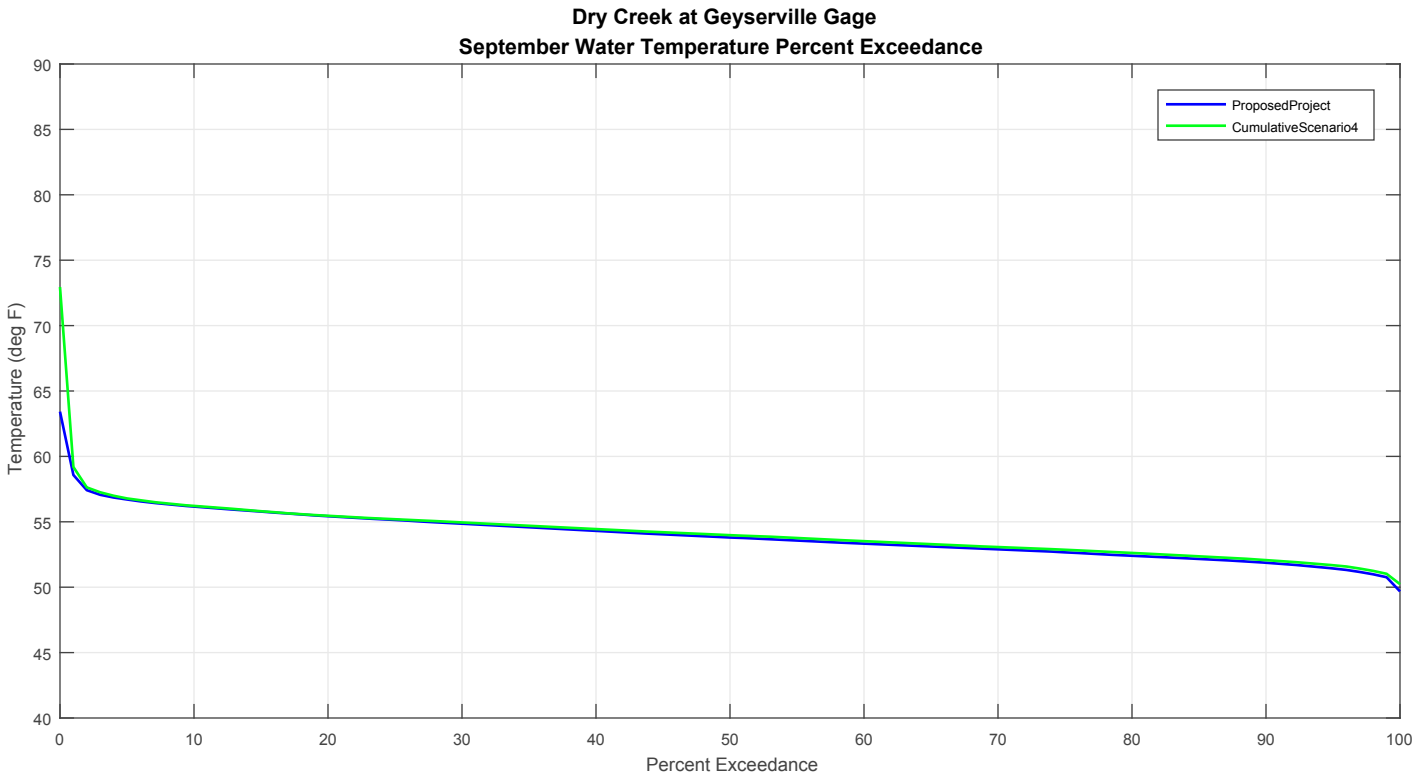
Dry Creek at Geyserville Gage
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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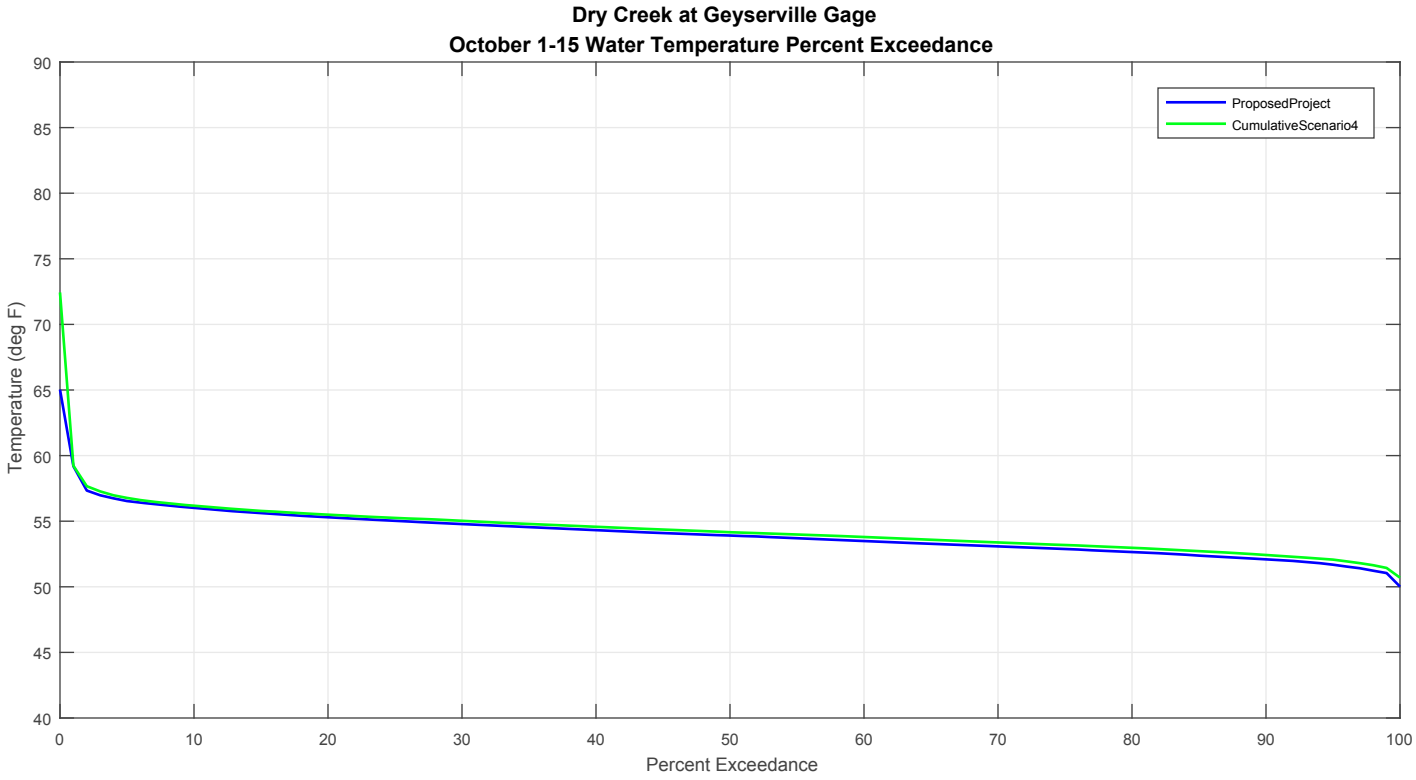
Dry Creek at Geyserville Gage
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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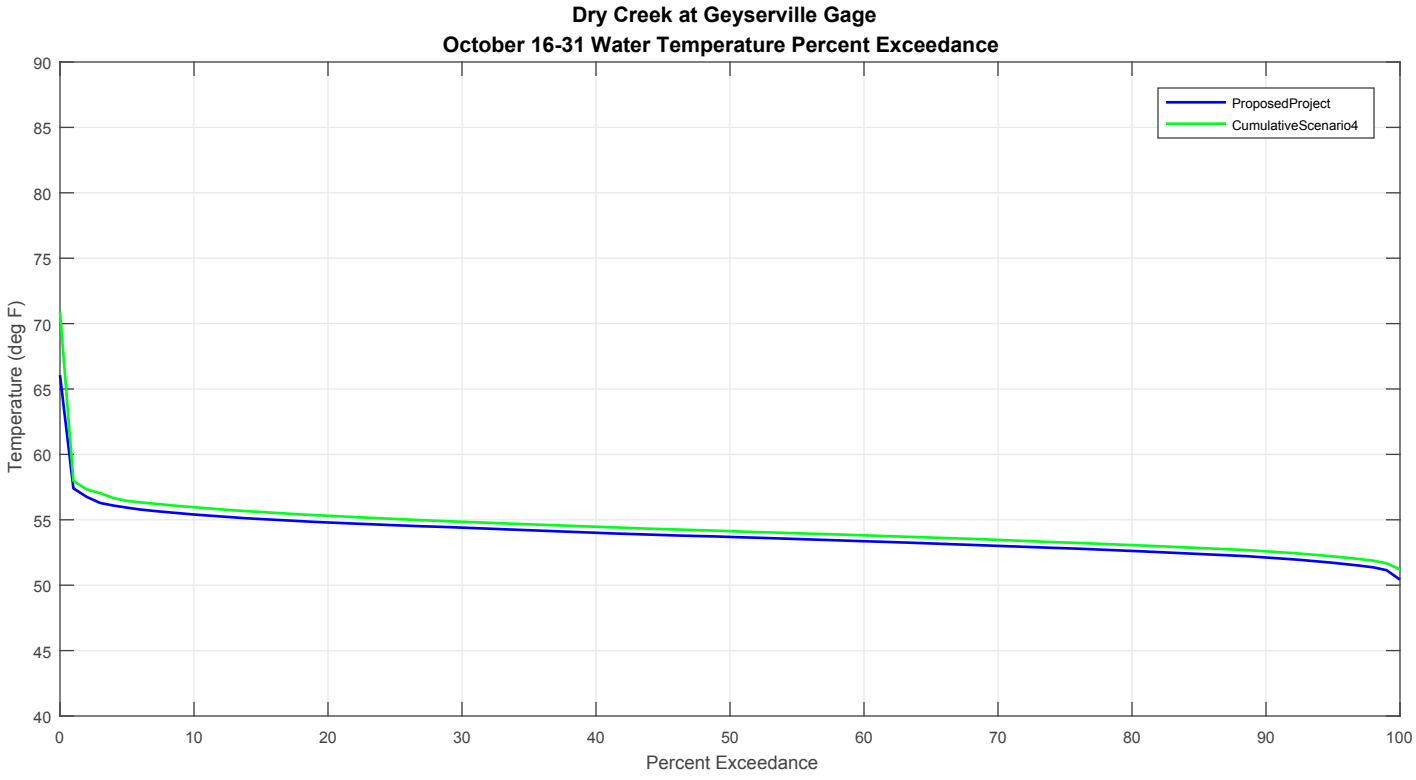
Dry Creek at Geyserville Gage
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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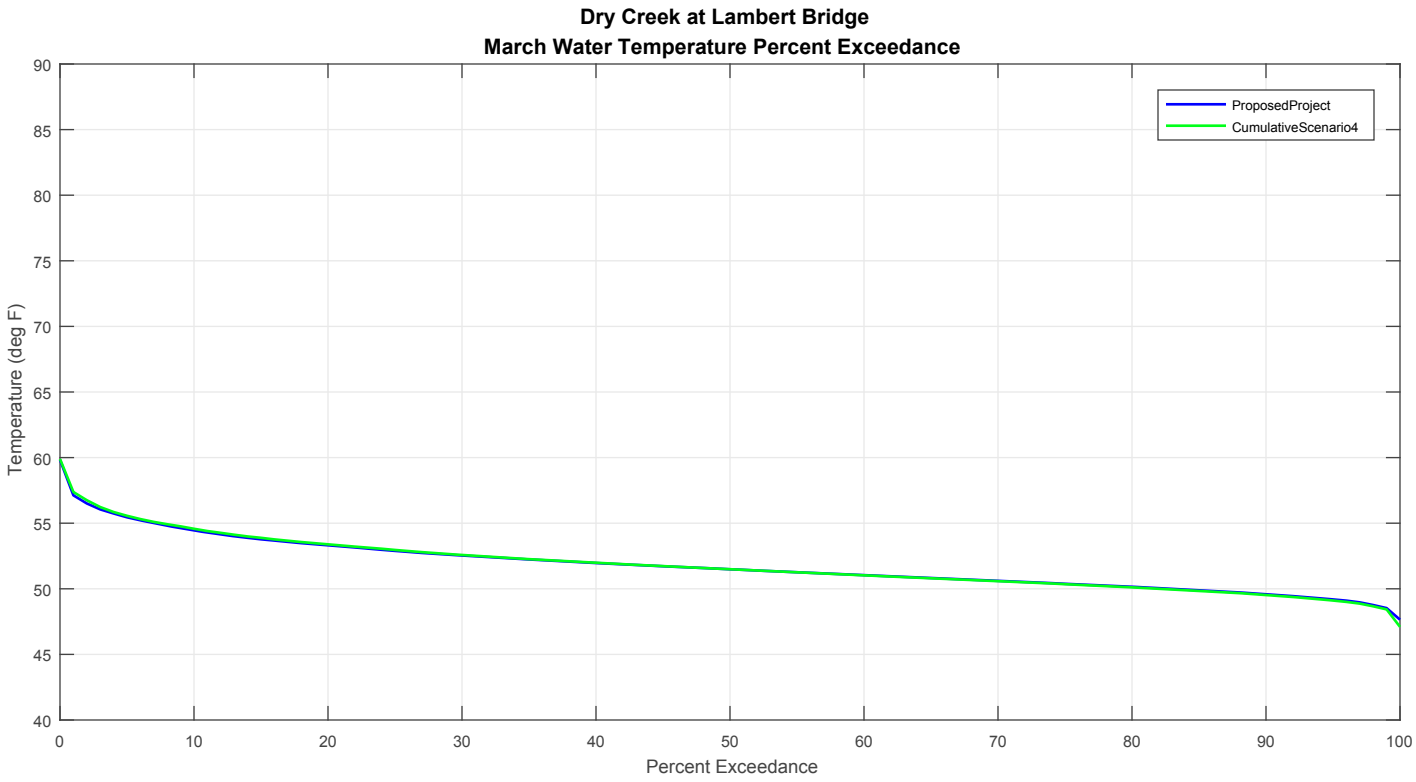
Dry Creek at Lambert Bridge
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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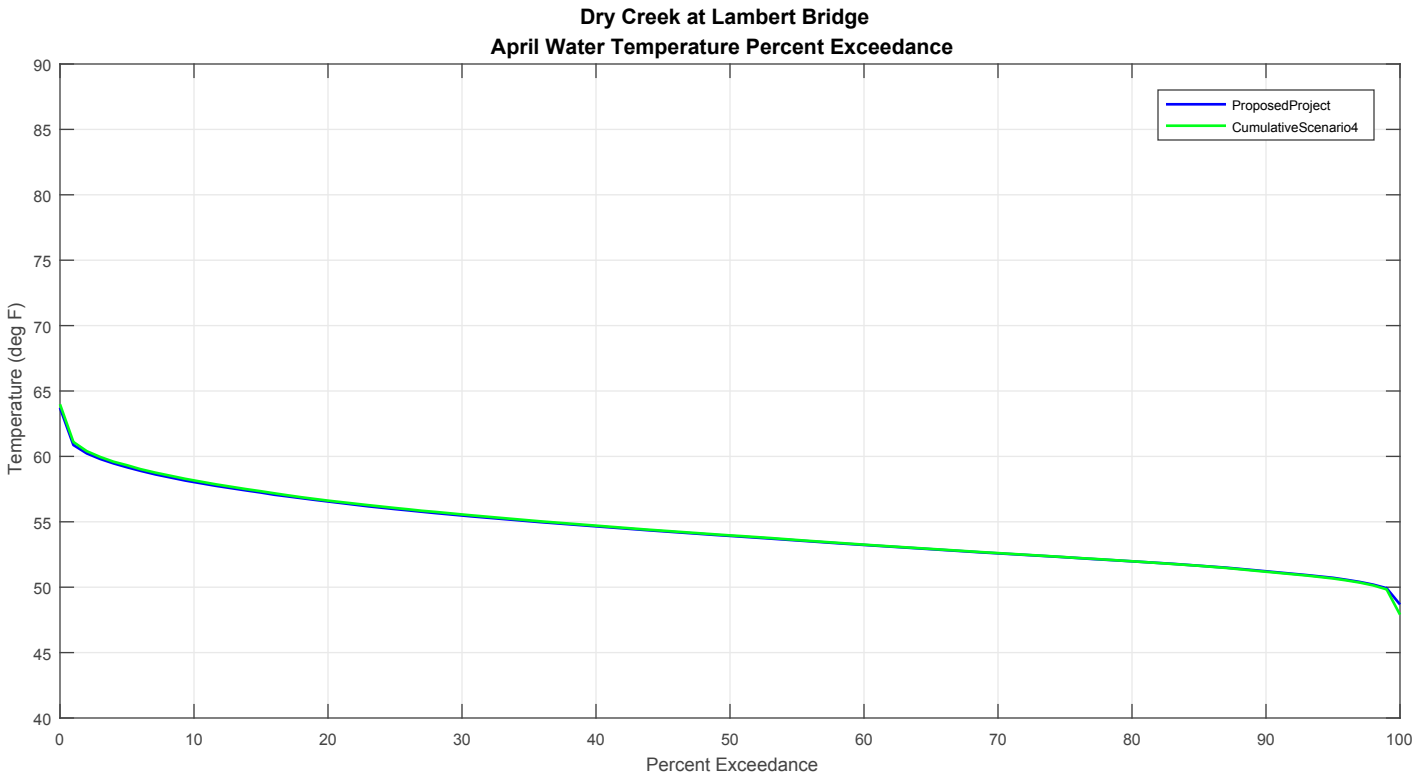
Dry Creek at Lambert Bridge
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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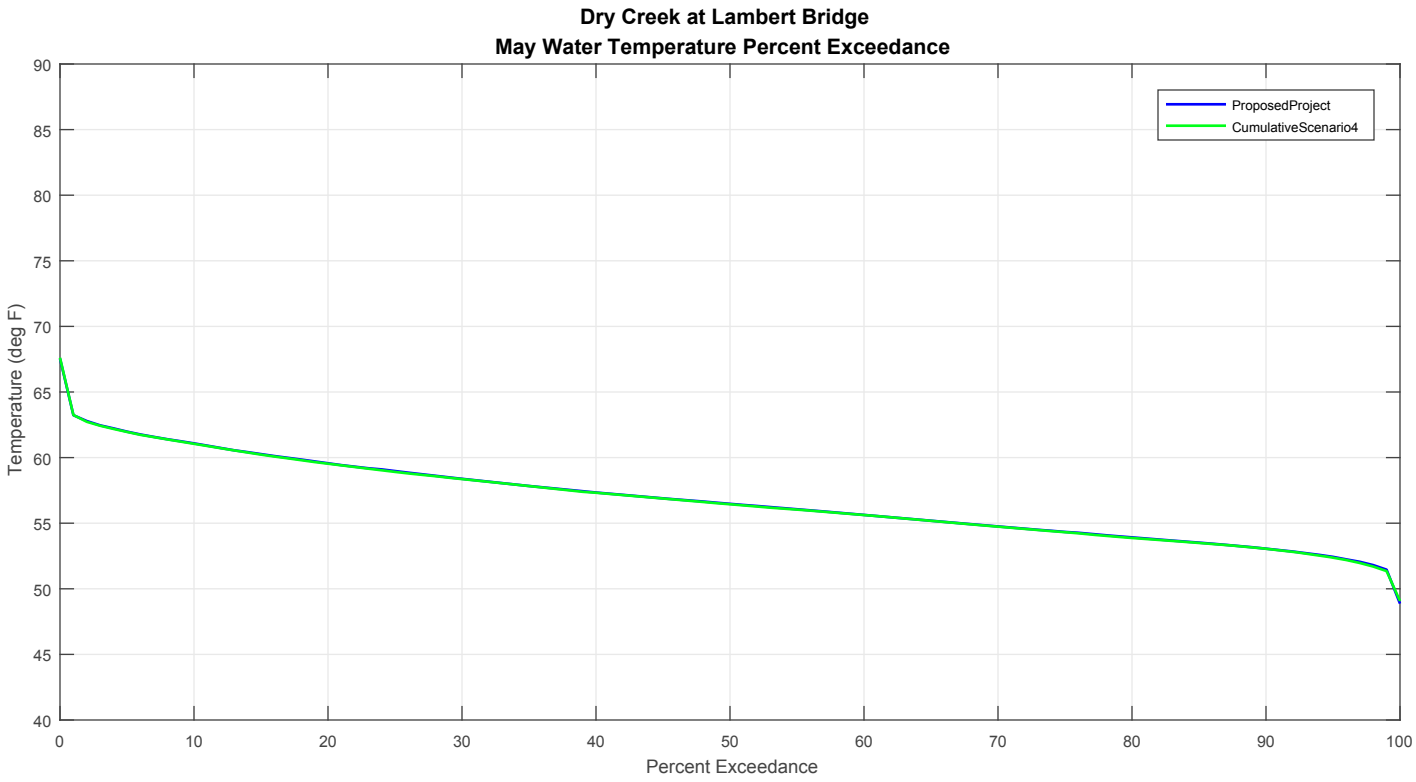
Dry Creek at Lambert Bridge
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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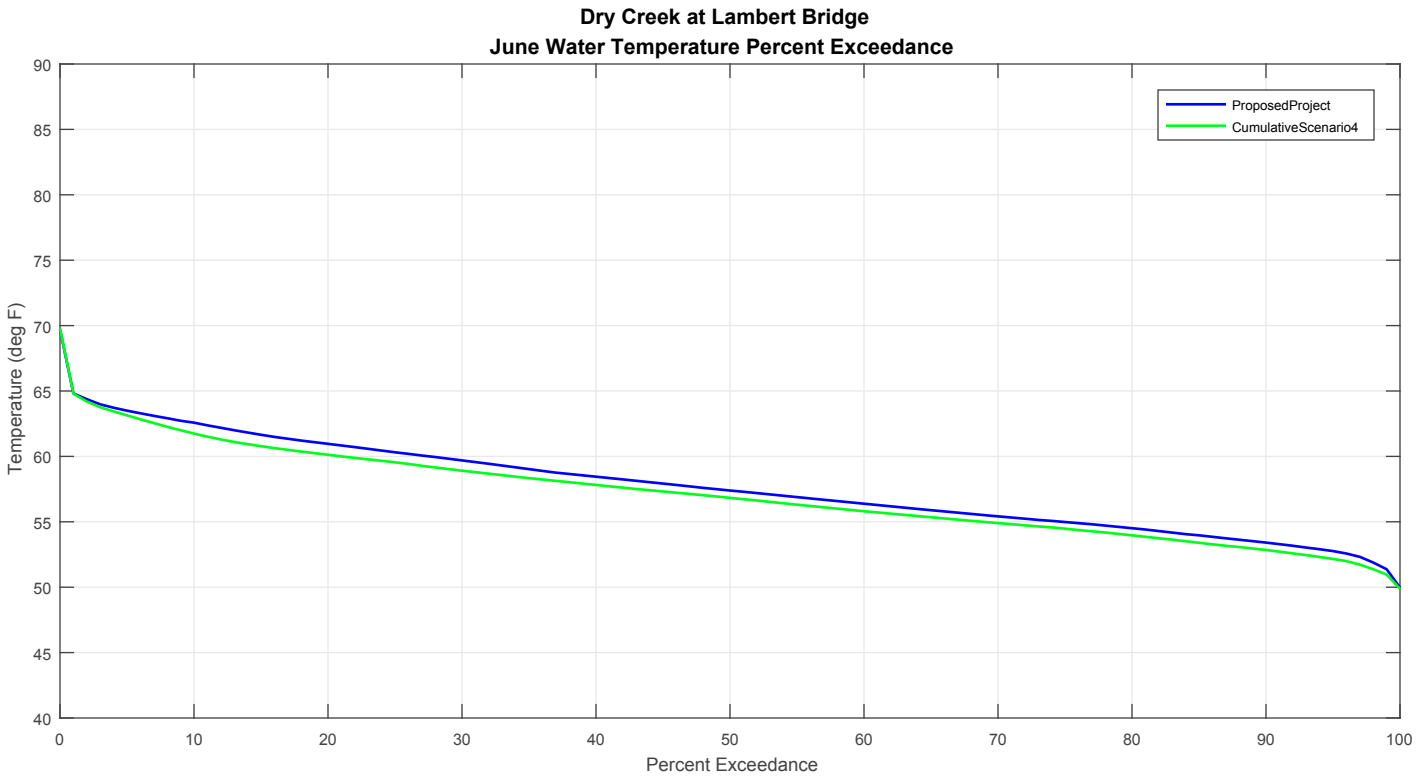
Dry Creek at Lambert Bridge
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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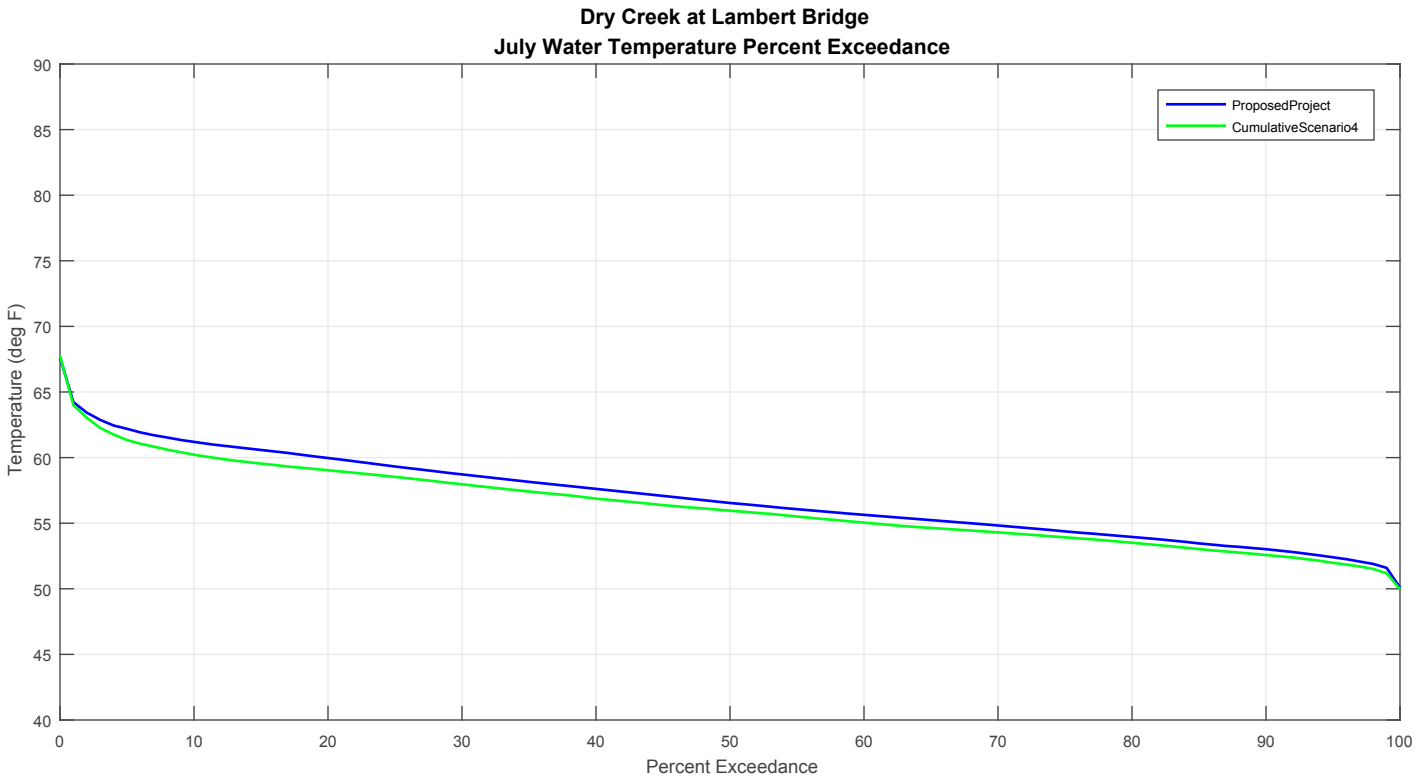
Dry Creek at Lambert Bridge
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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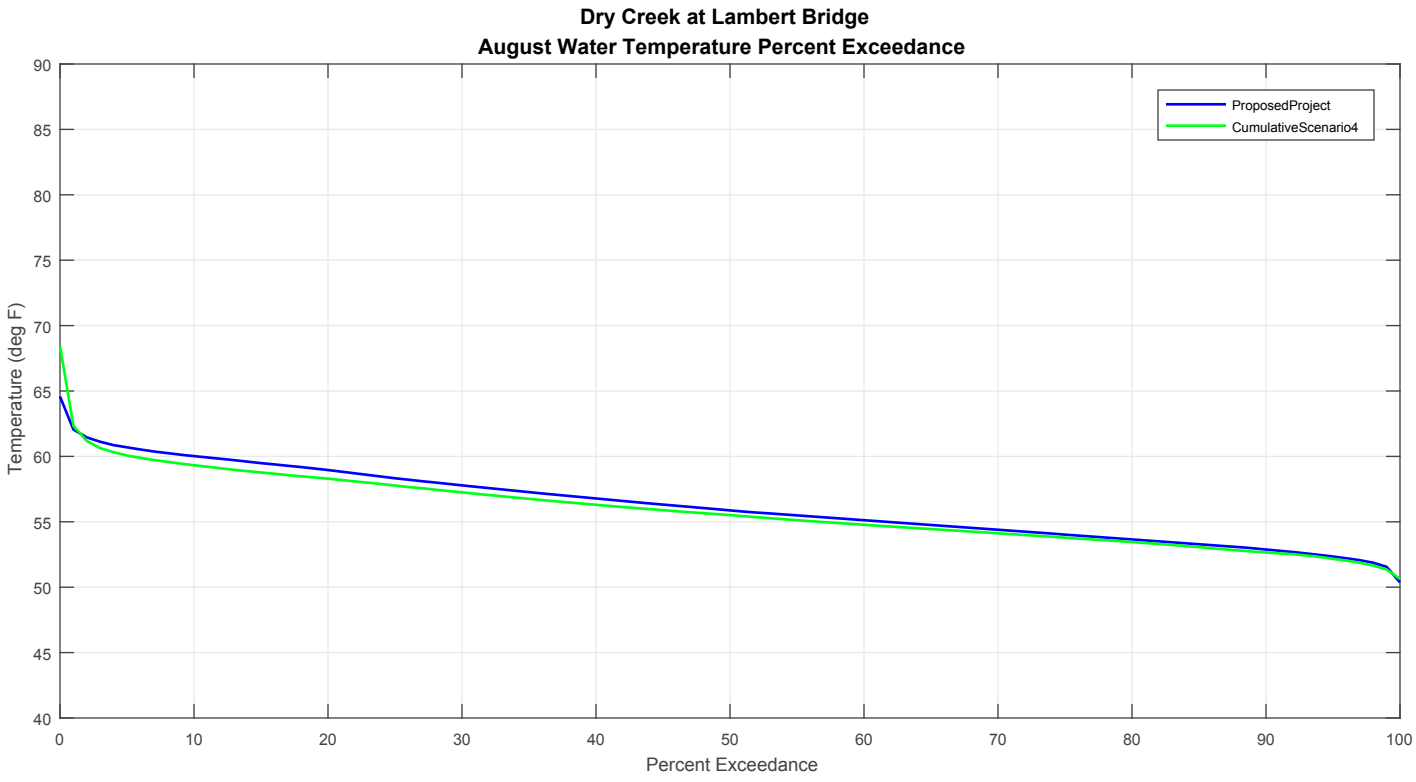
Dry Creek at Lambert Bridge
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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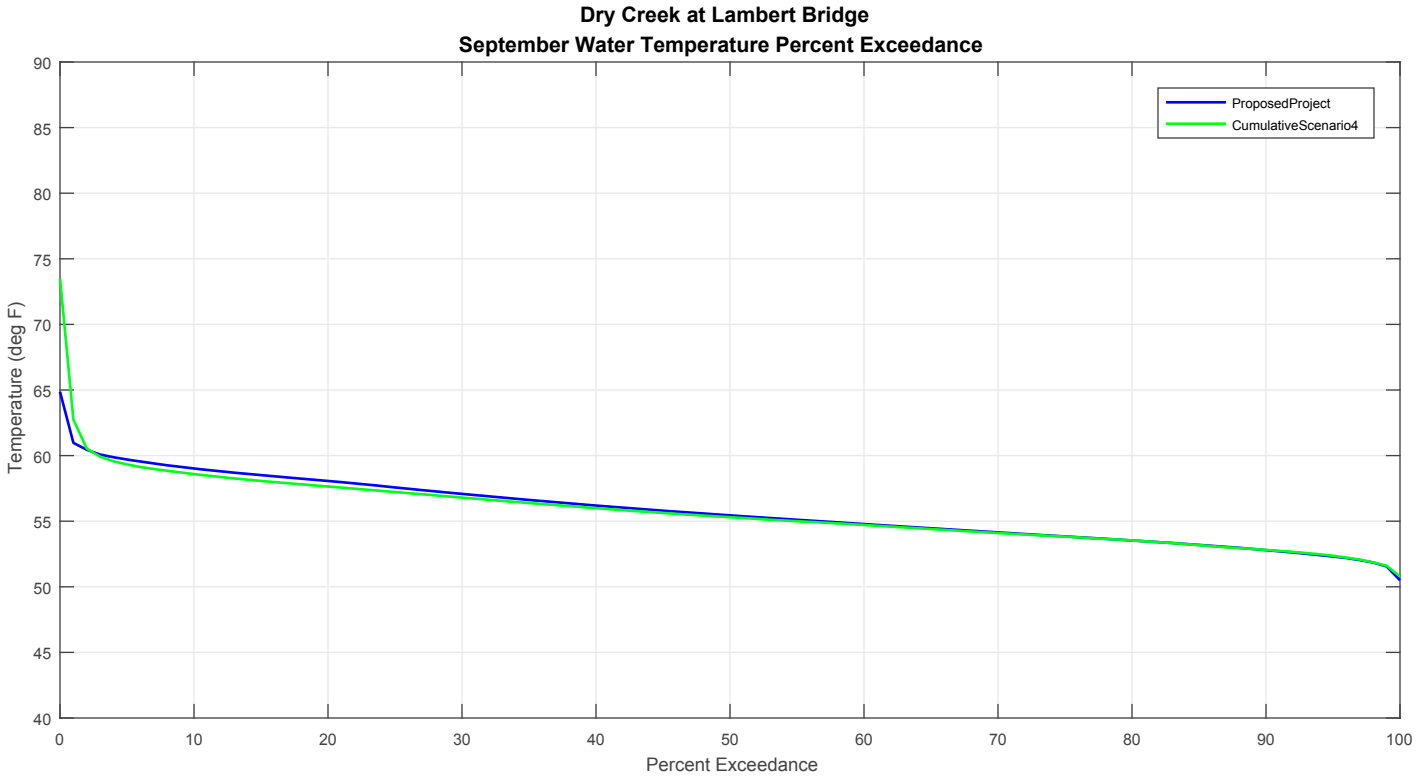
Dry Creek at Lambert Bridge
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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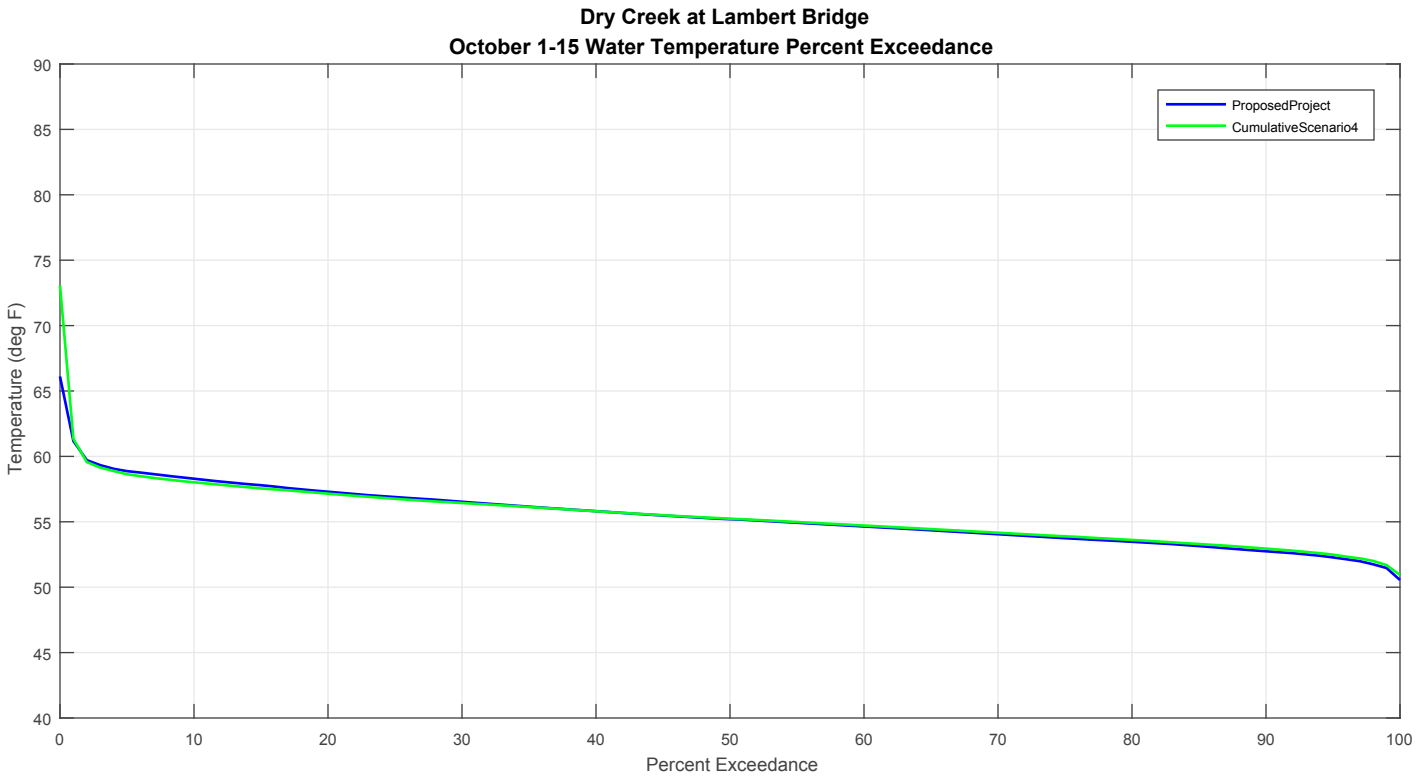
Dry Creek at Lambert Bridge
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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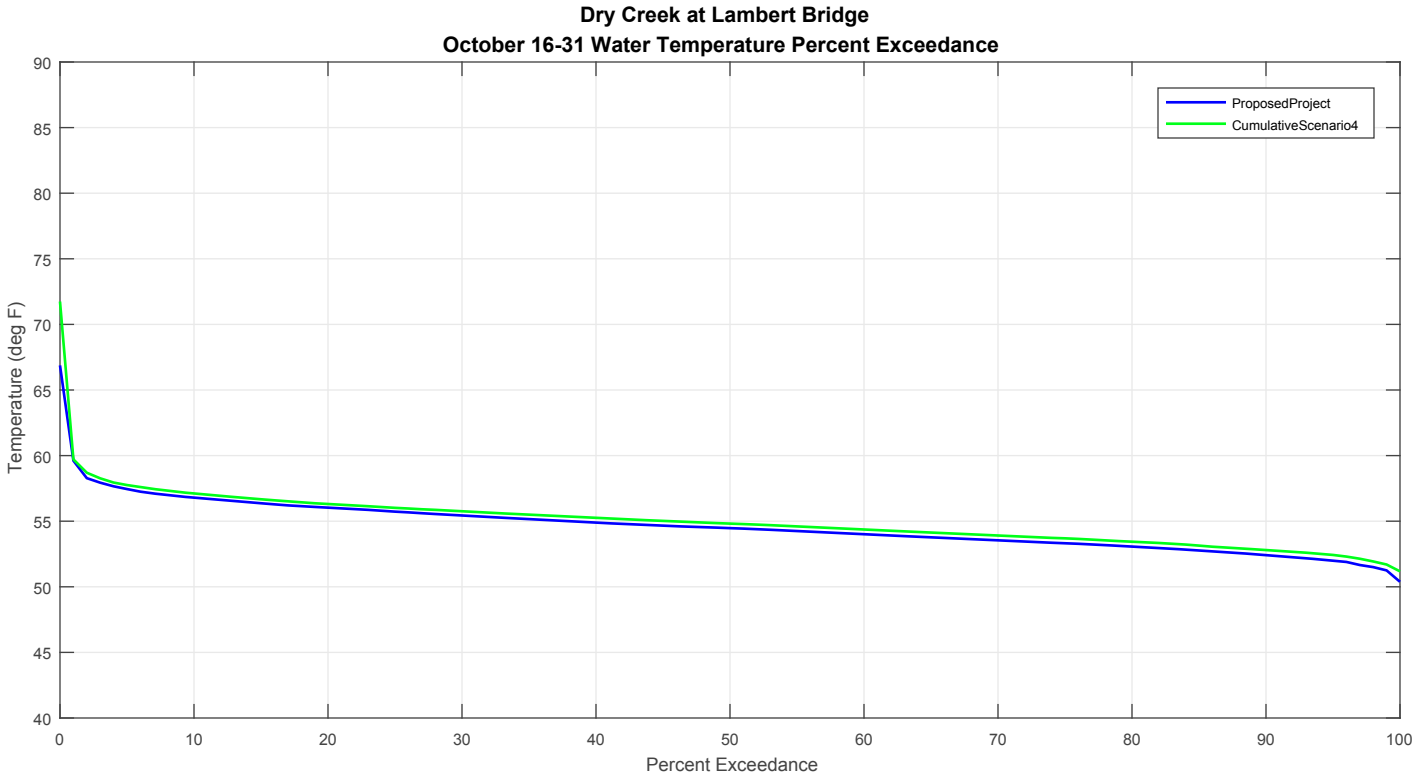
Dry Creek at Lambert Bridge
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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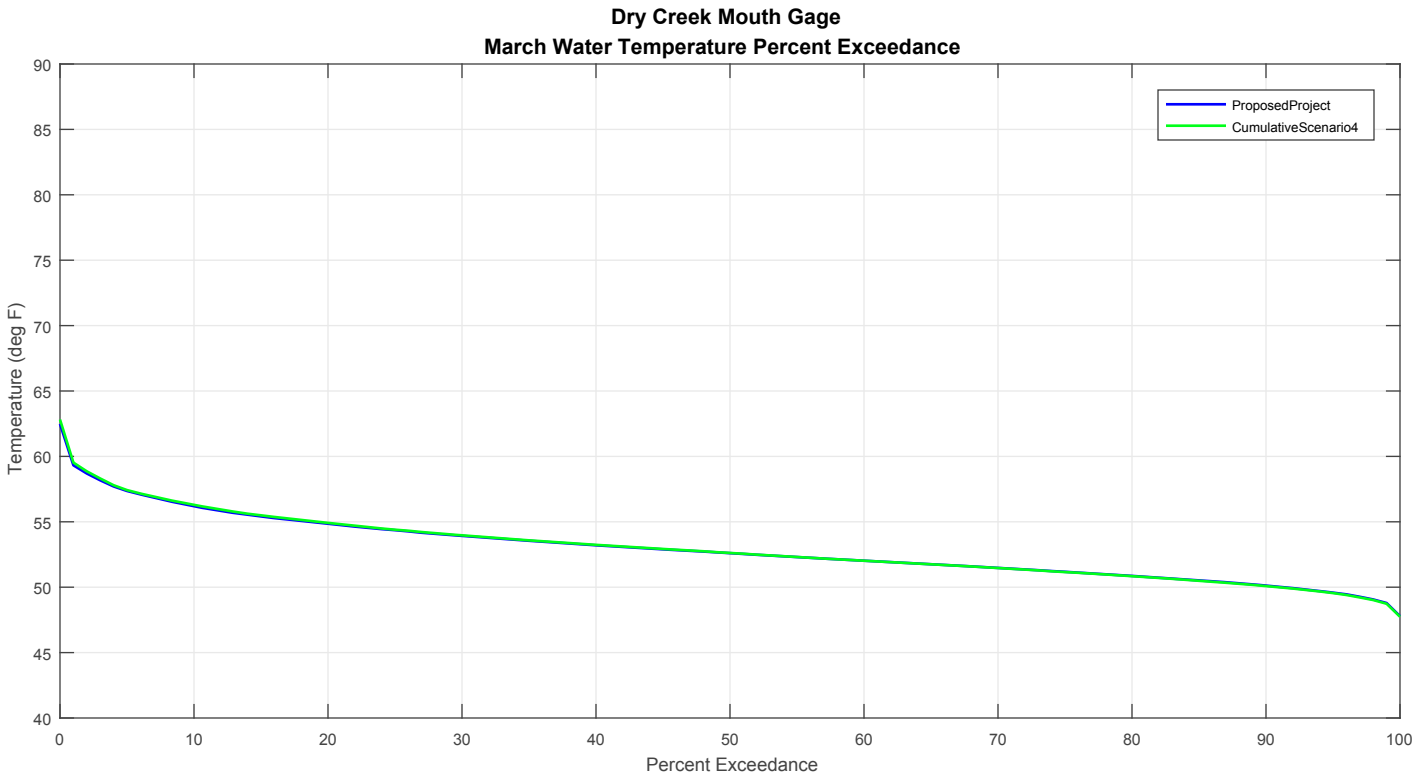
Dry Creek Mouth Gage
March Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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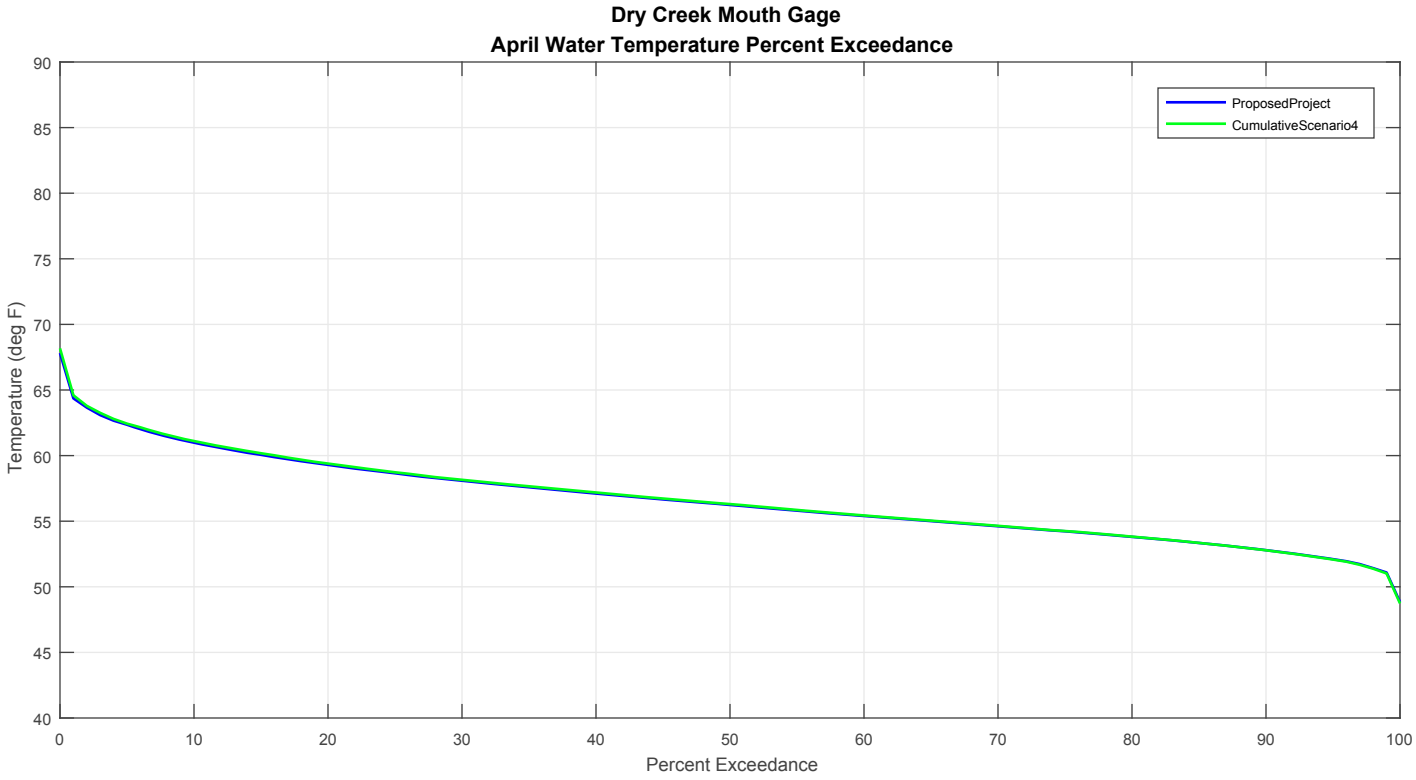
Dry Creek Mouth Gage
April Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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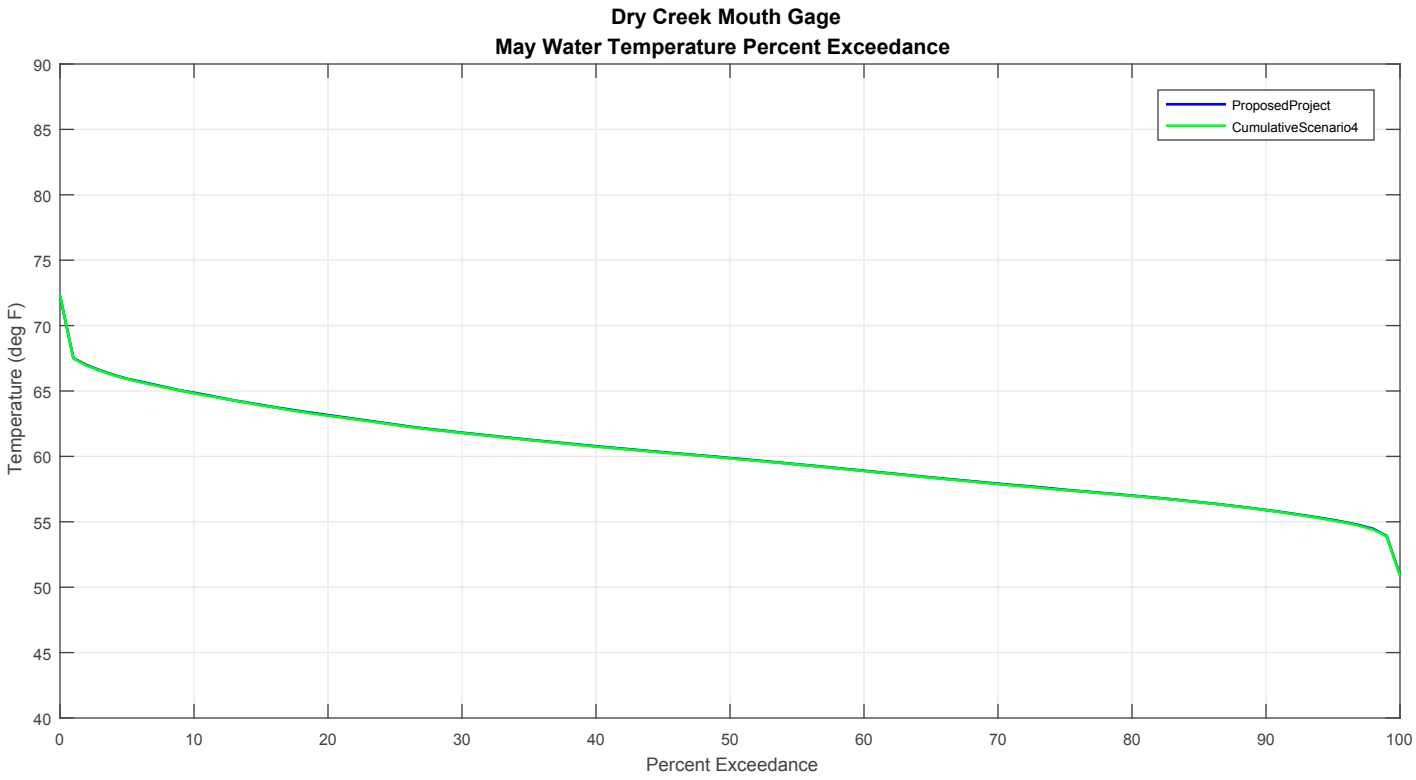
Dry Creek Mouth Gage
May Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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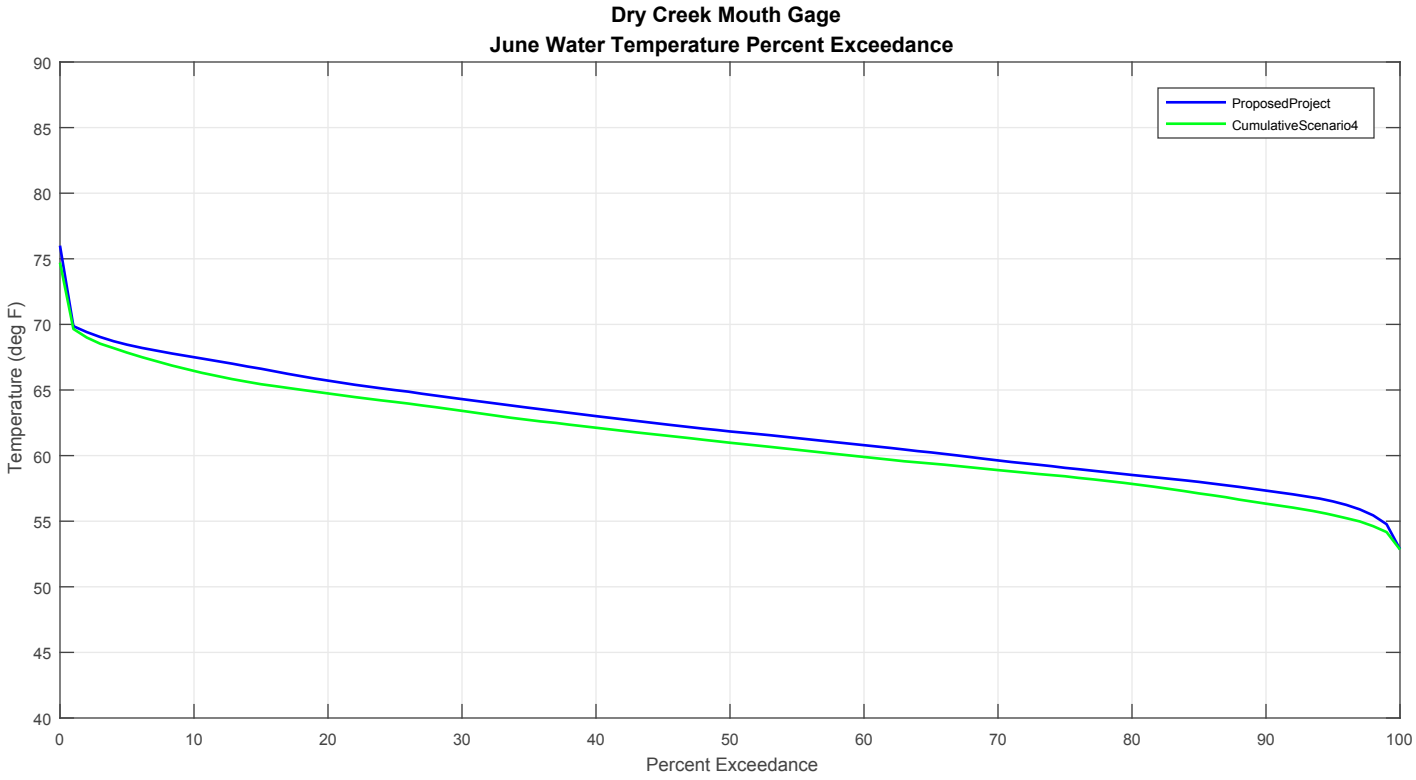
Dry Creek Mouth Gage
June Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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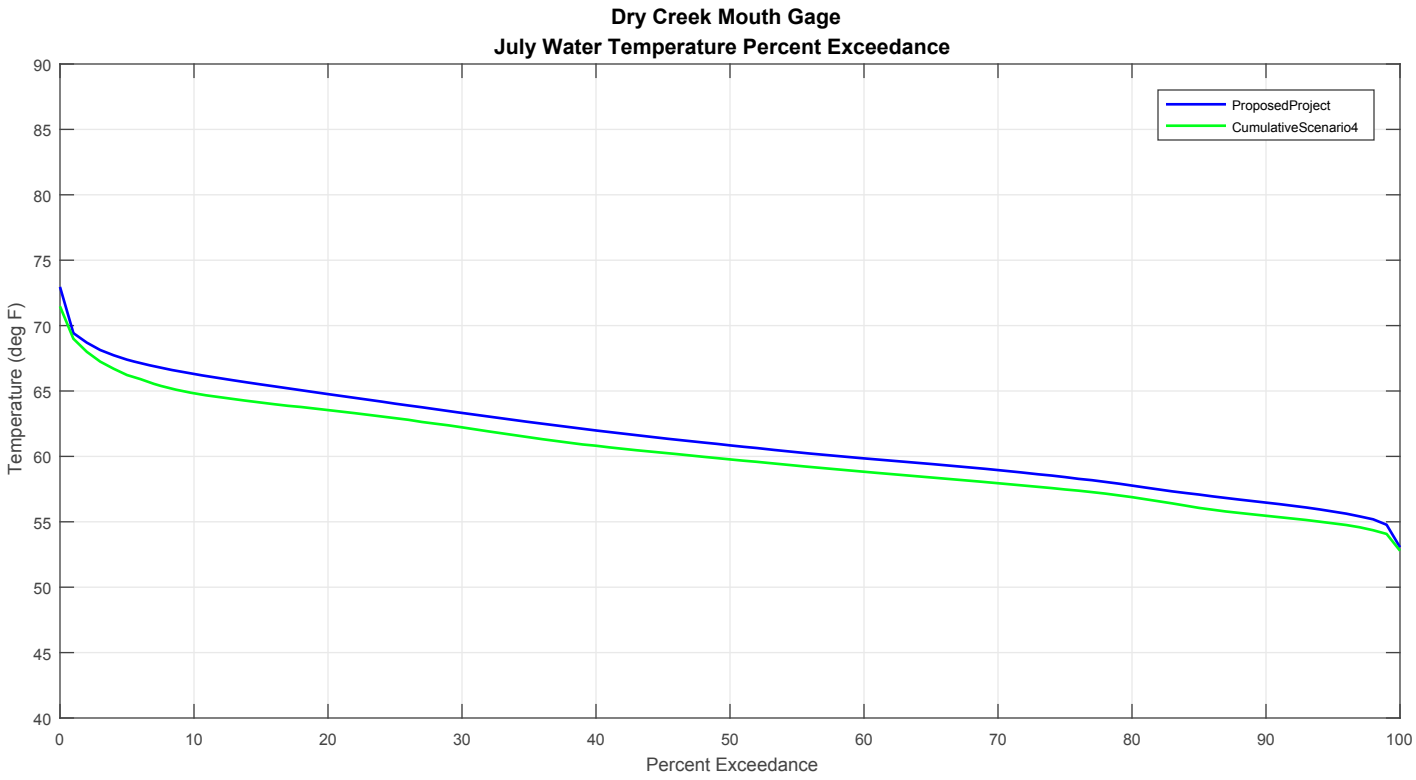
Dry Creek Mouth Gage
July Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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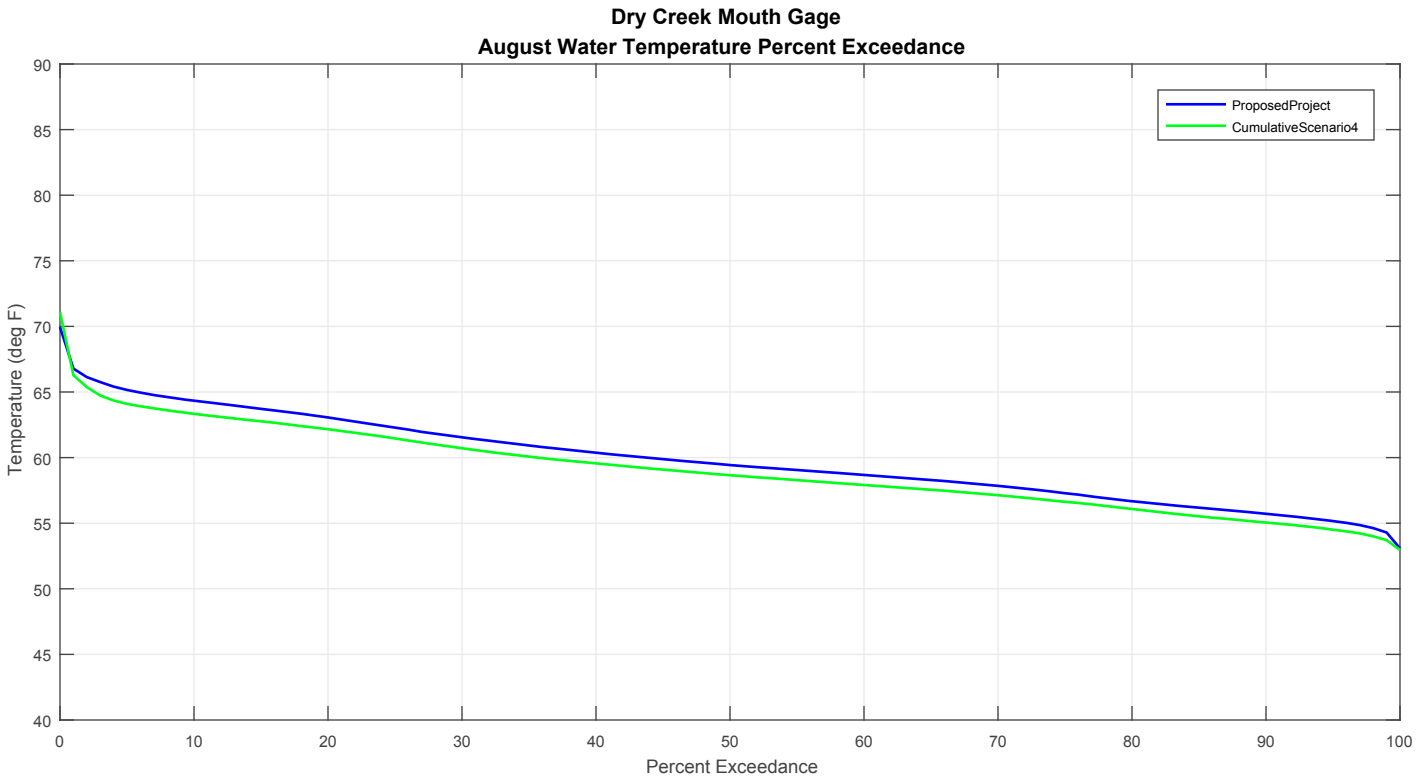
Dry Creek Mouth Gage
August Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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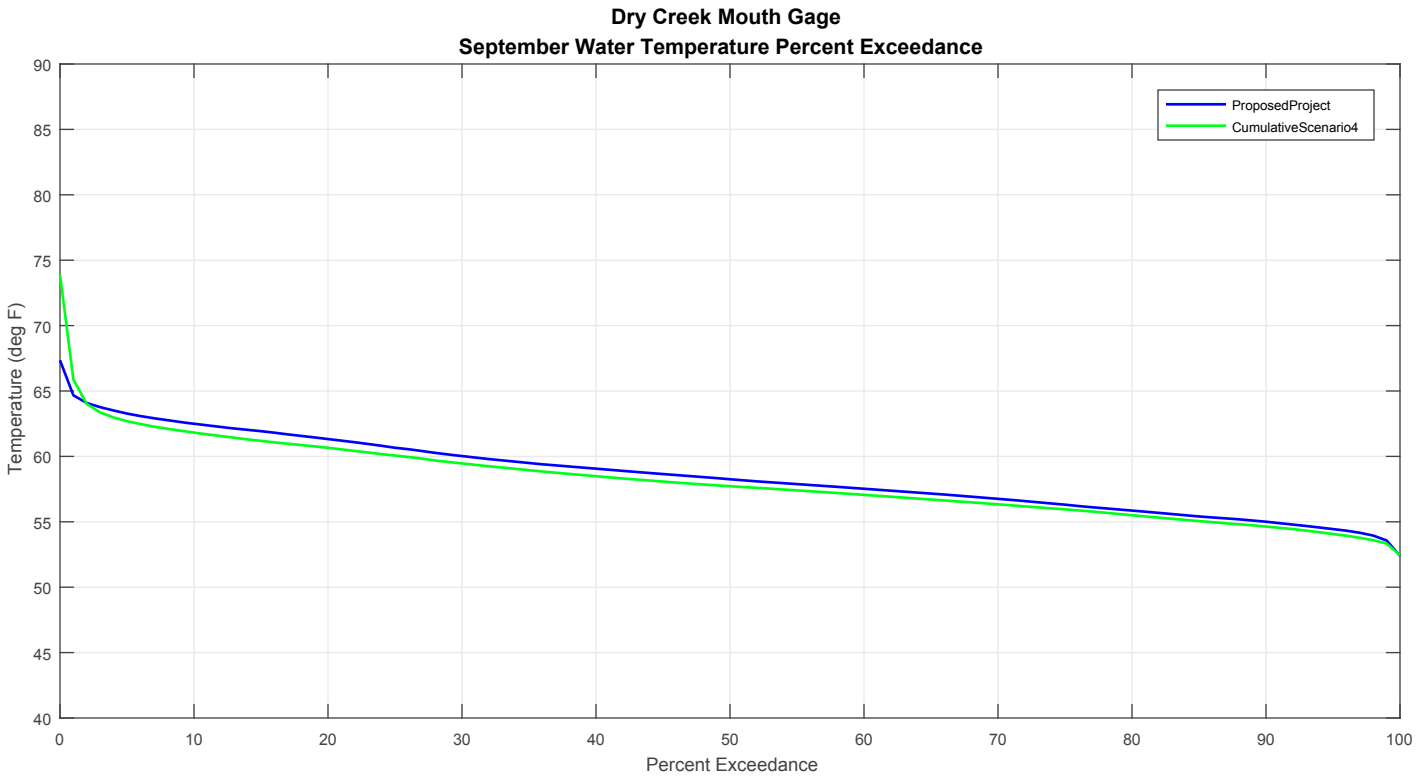
Dry Creek Mouth Gage
September Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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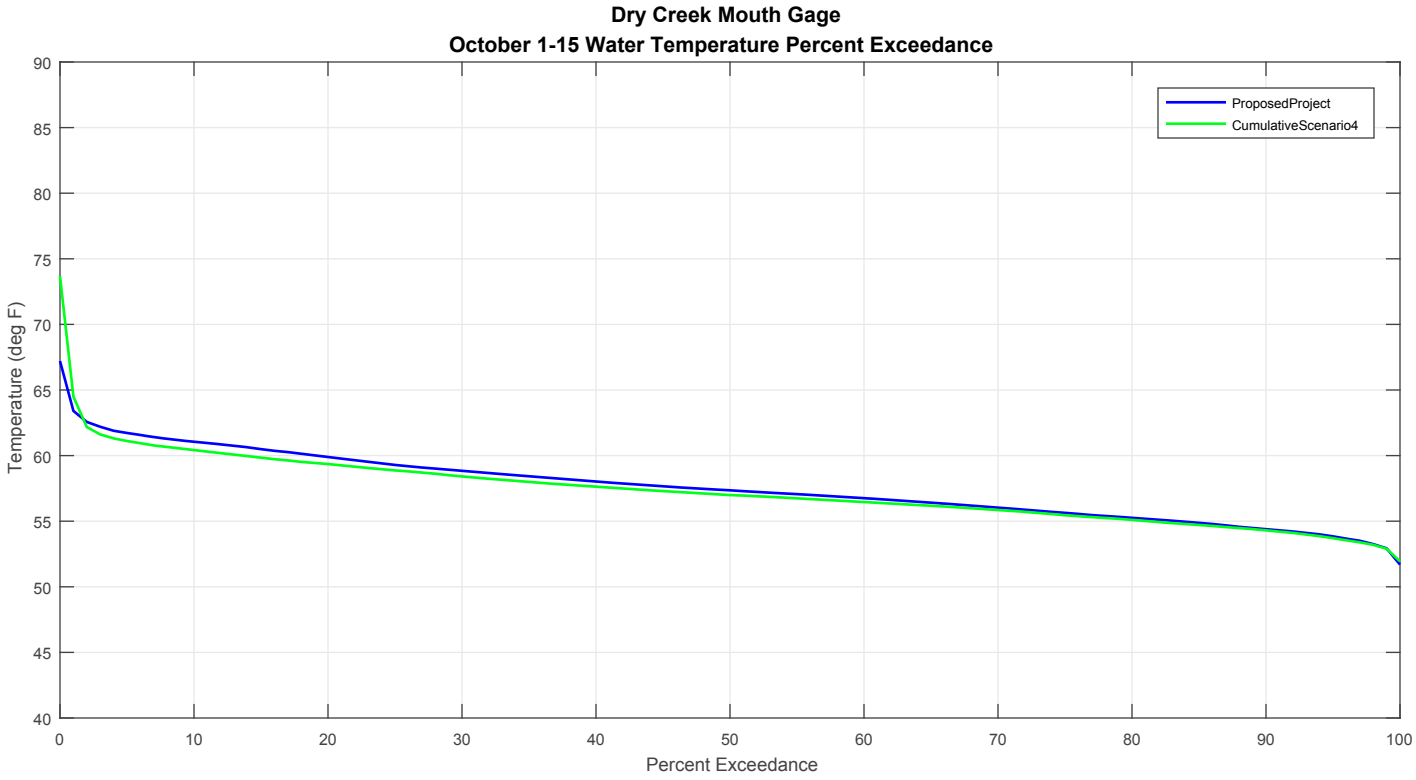
Dry Creek Mouth Gage
October 1-15 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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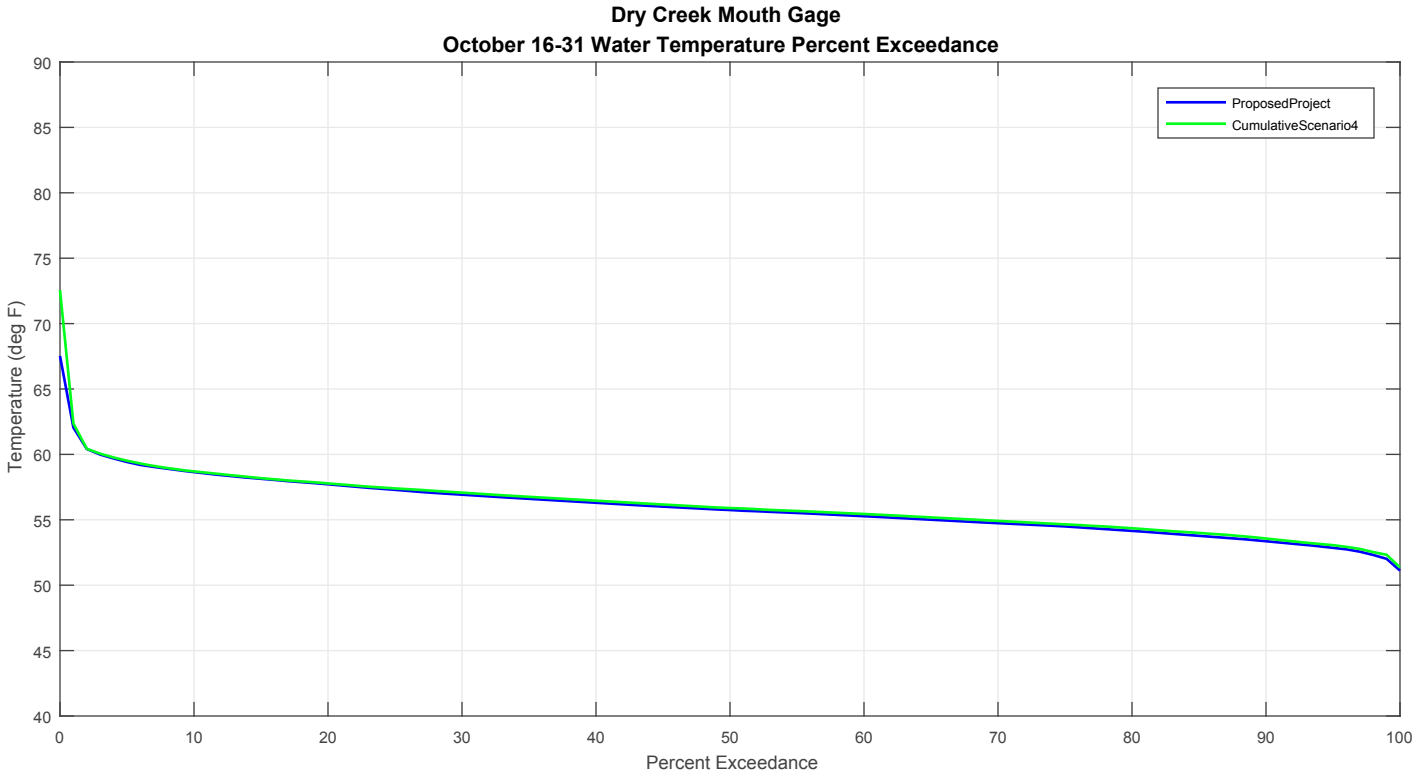
Dry Creek Mouth Gage
October 16-31 Water Temperature Percent Exceedance
ProposedProject
CumulativeScenario4
Temperature (deg F)
Percent Exceedance
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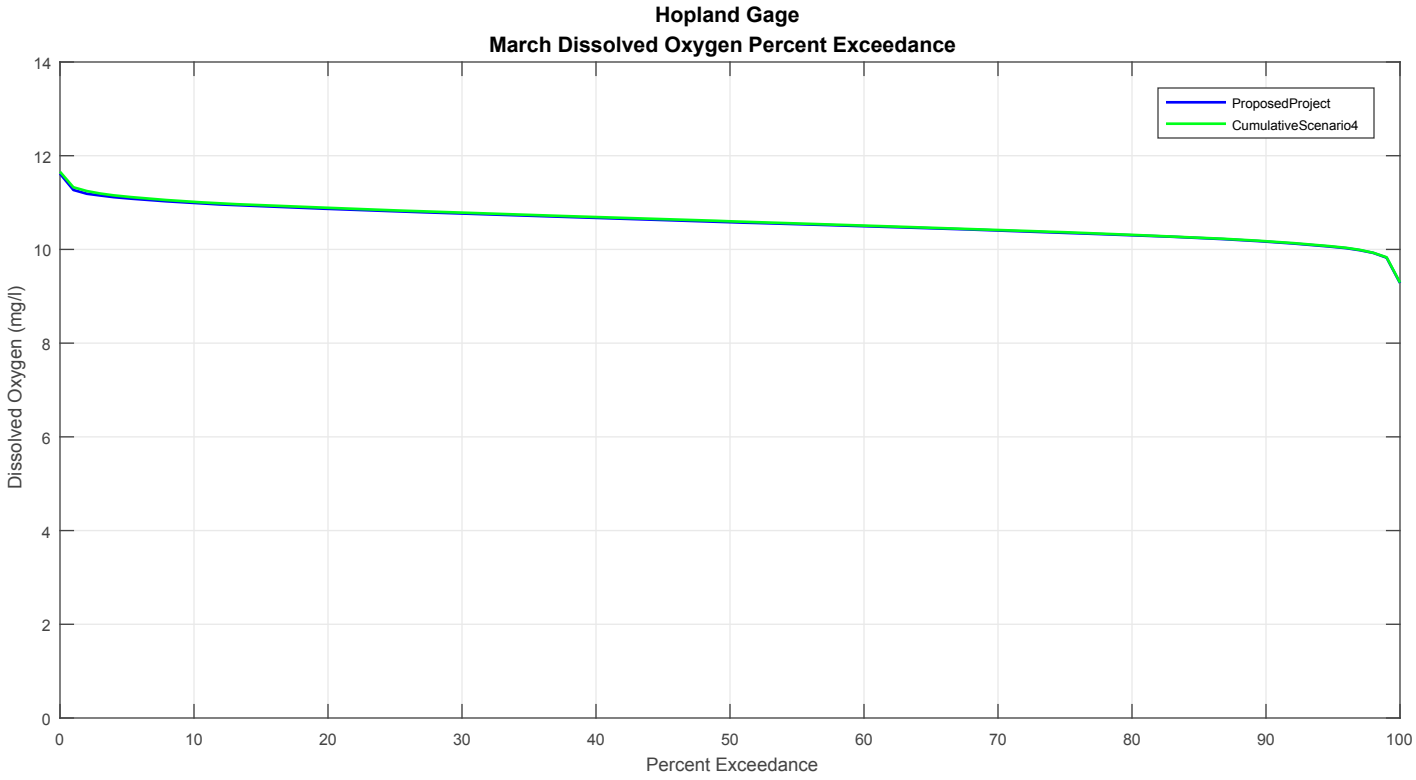
Hopland Gage
March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
Percent Exceedance
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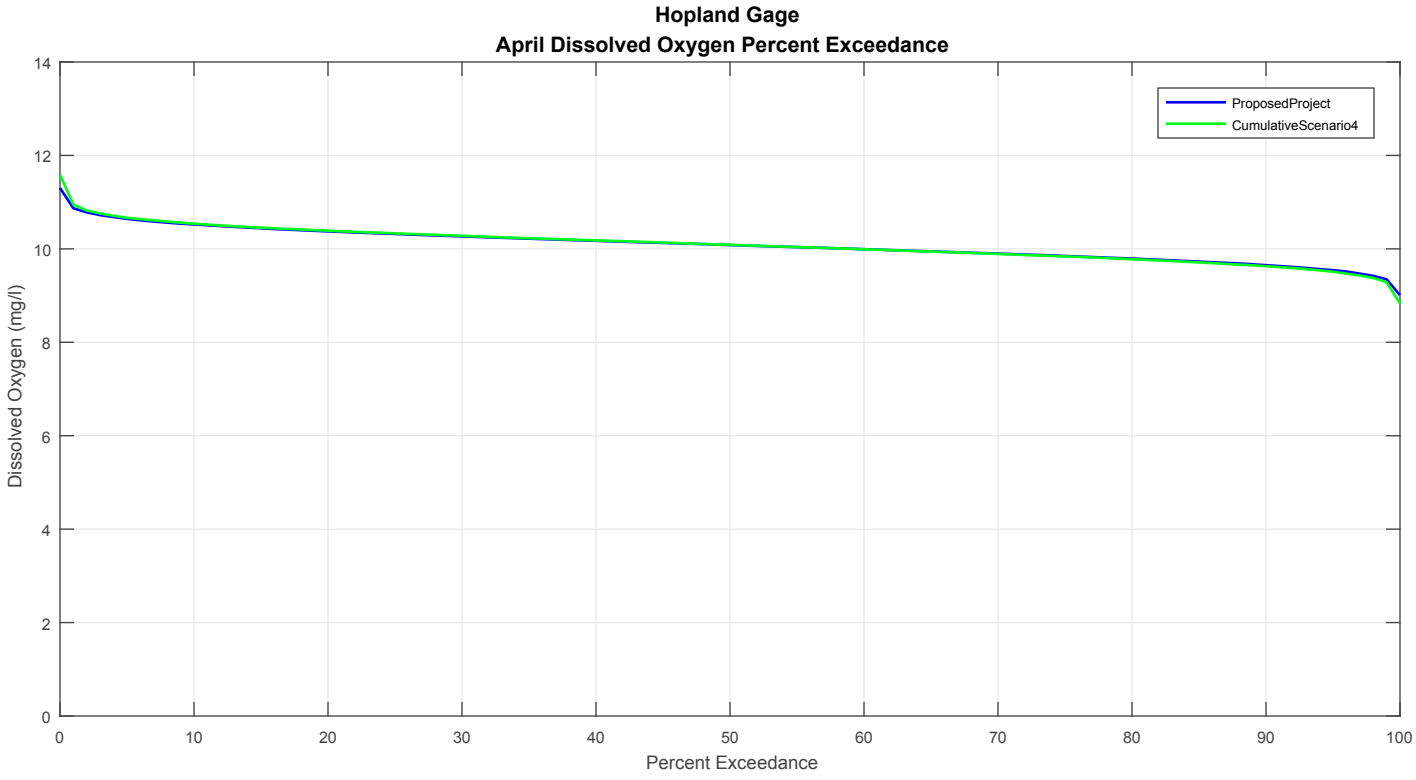
Hopland Gage
April Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
Percent Exceedance
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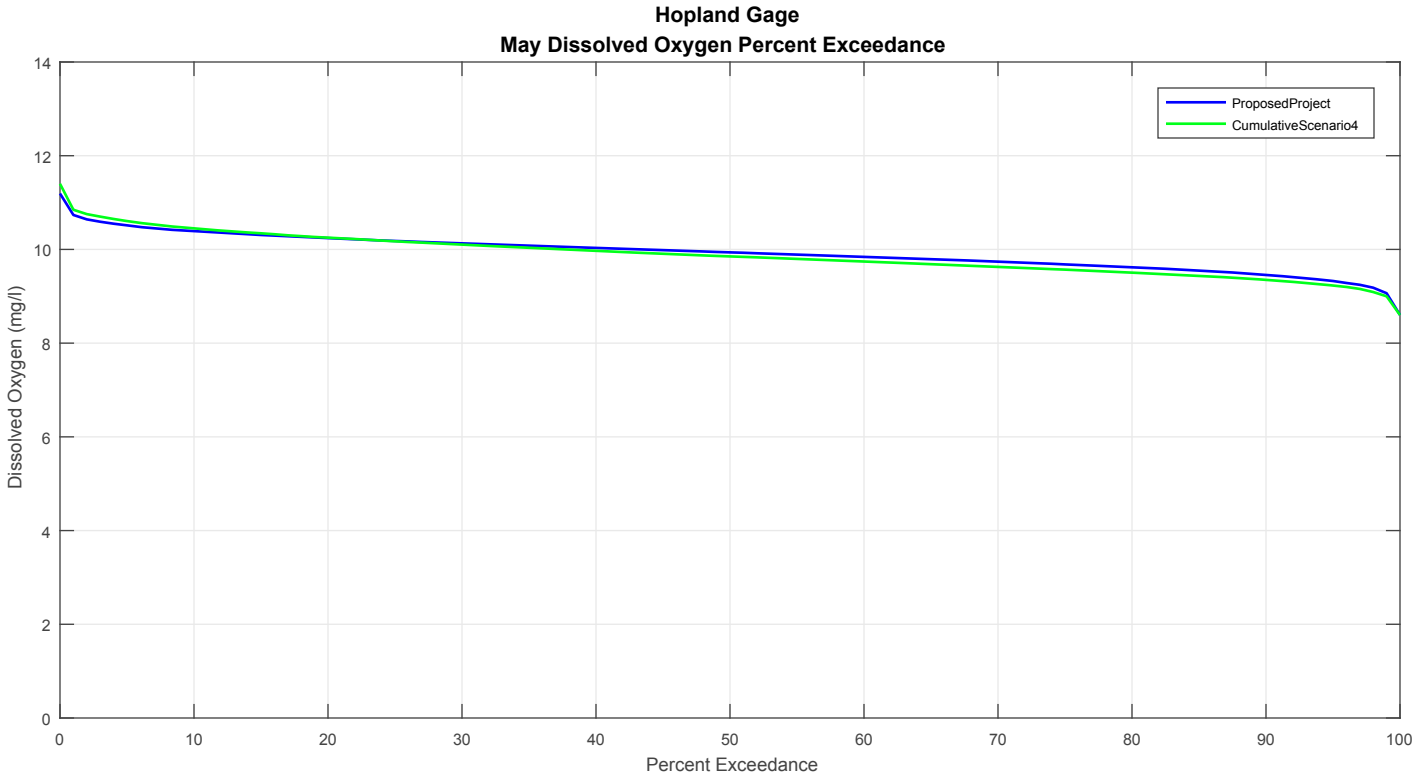
Hopland Gage
May Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
Percent Exceedance
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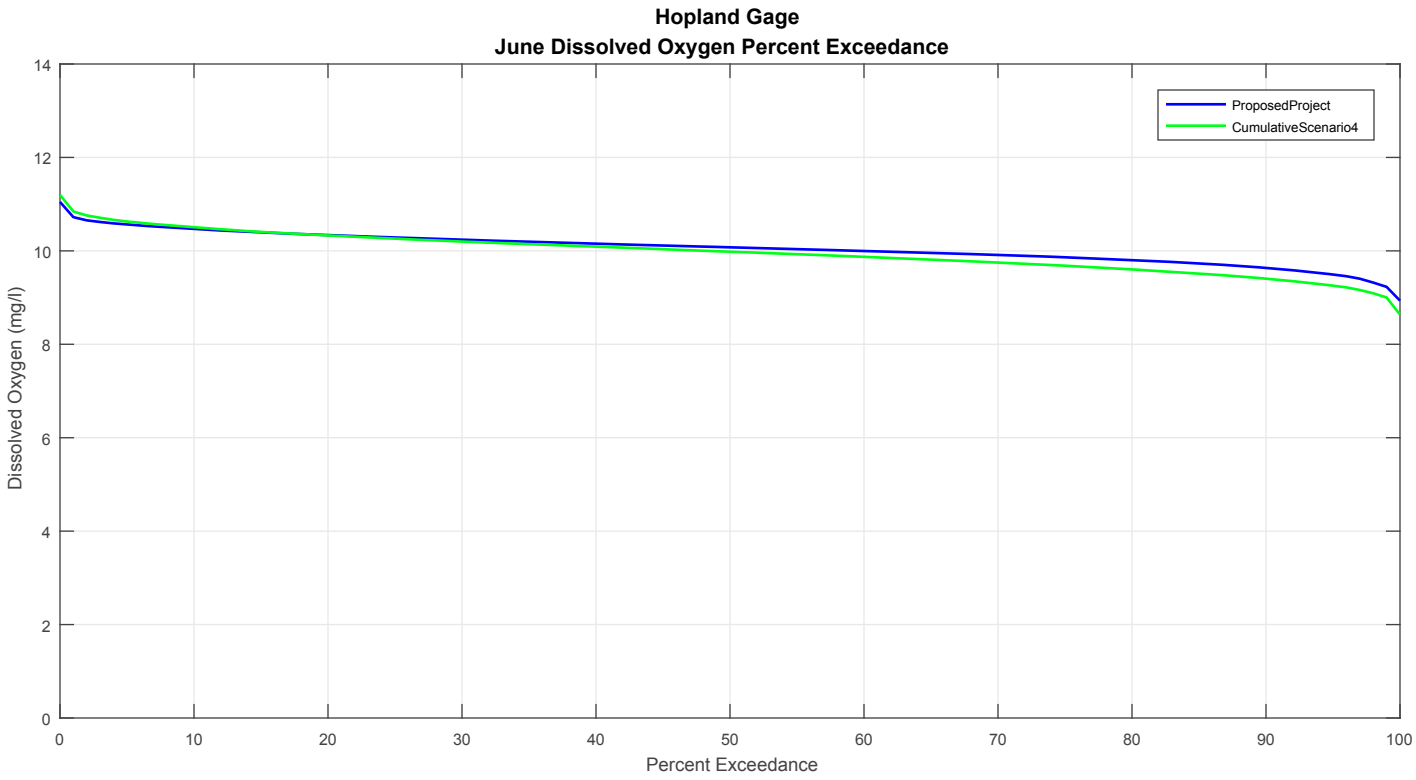
Hopland Gage
June Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
Percent Exceedance
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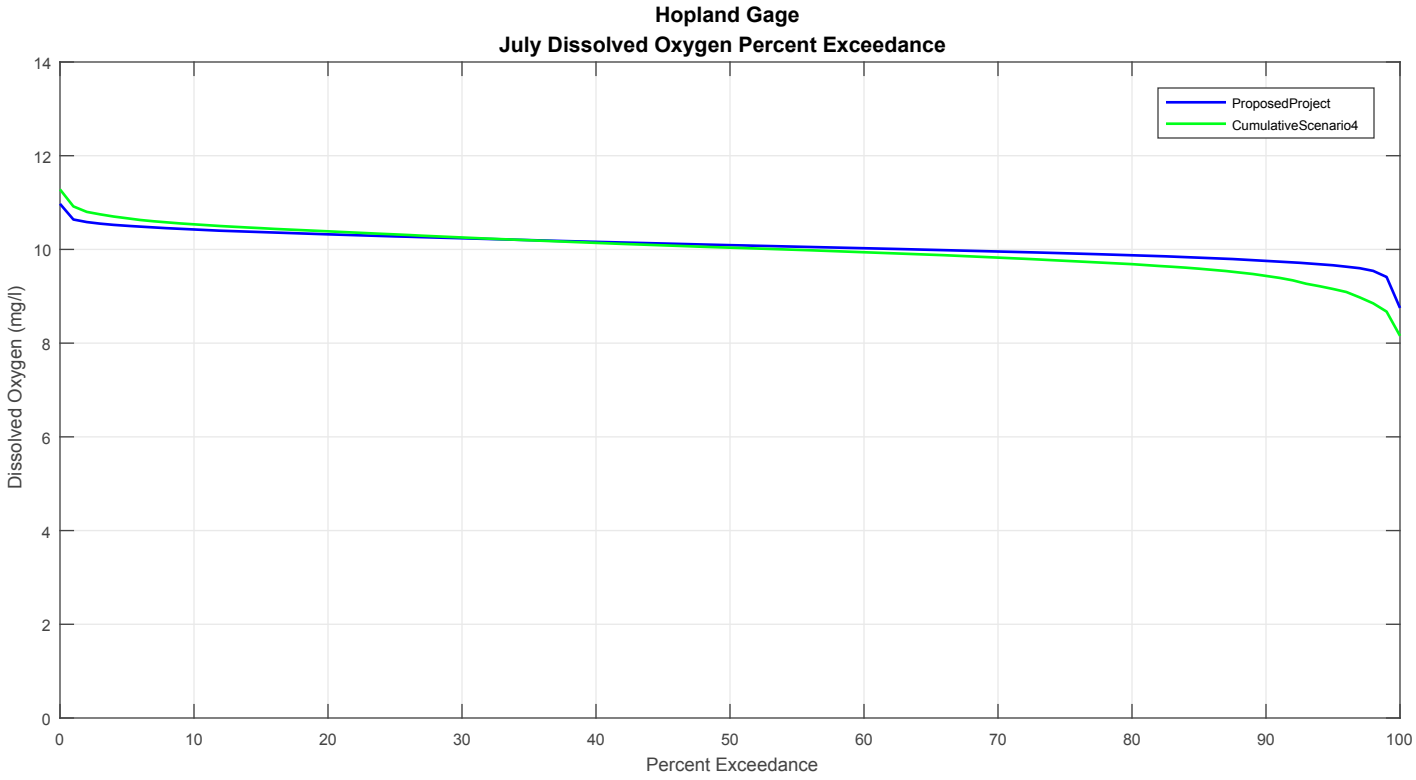
Hopland Gage
July Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
Percent Exceedance
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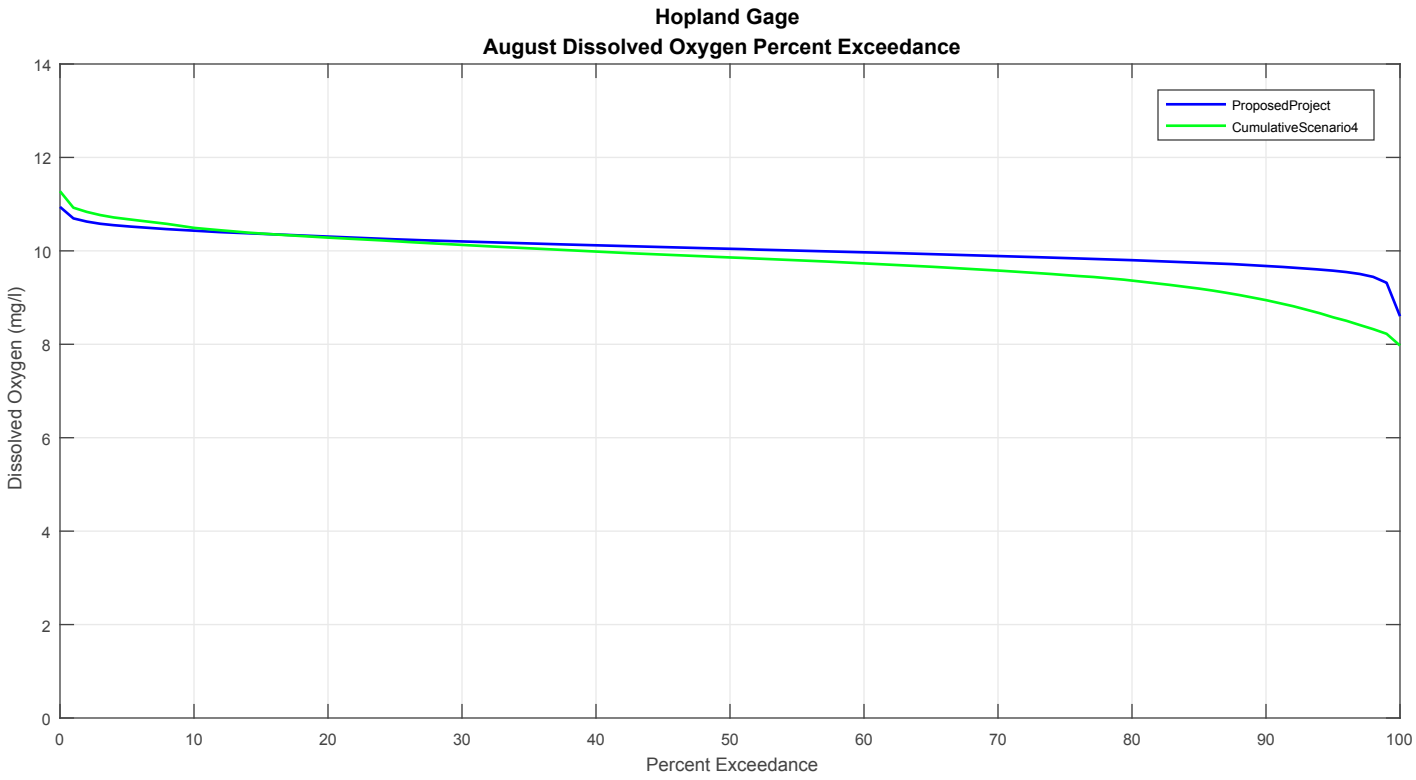
Hopland Gage
August Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
Percent Exceedance
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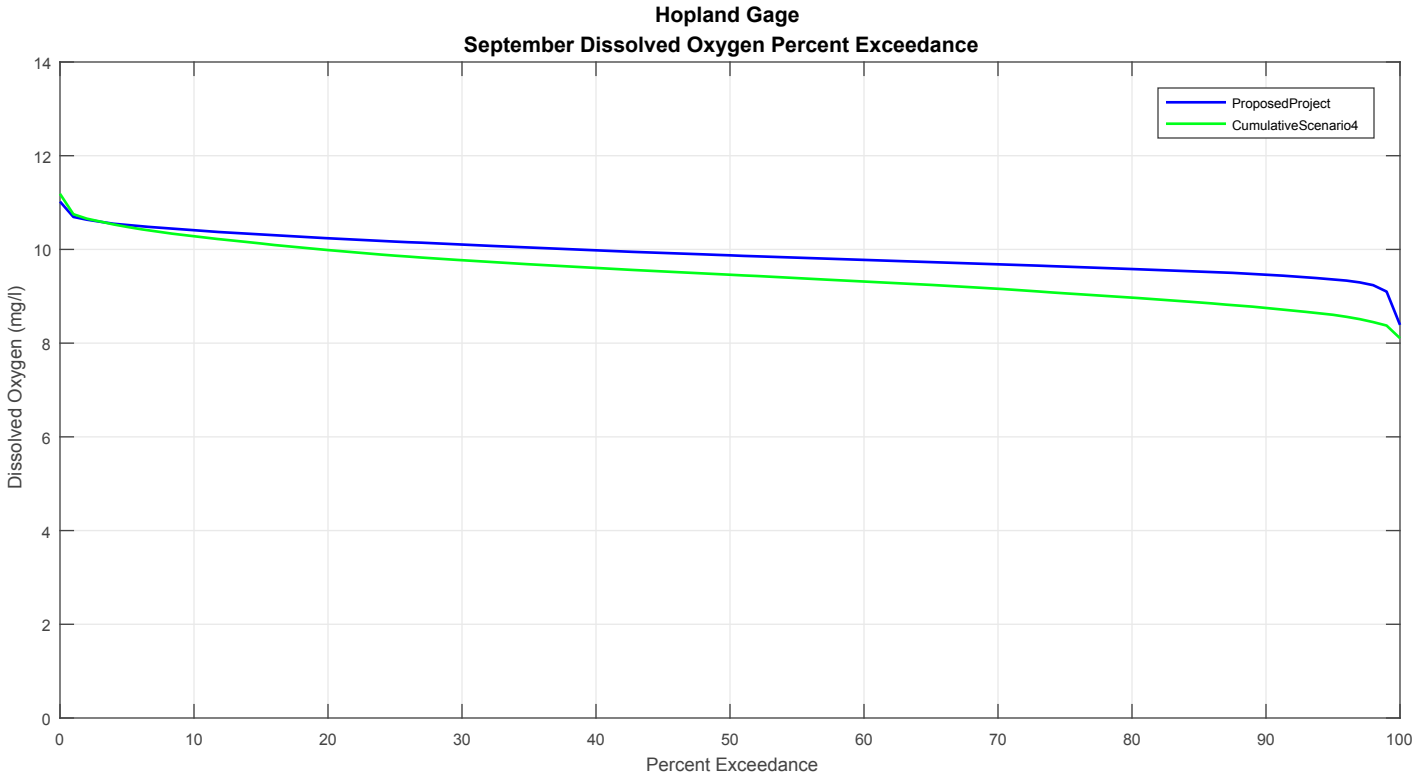
Hopland Gage
September Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
Percent Exceedance
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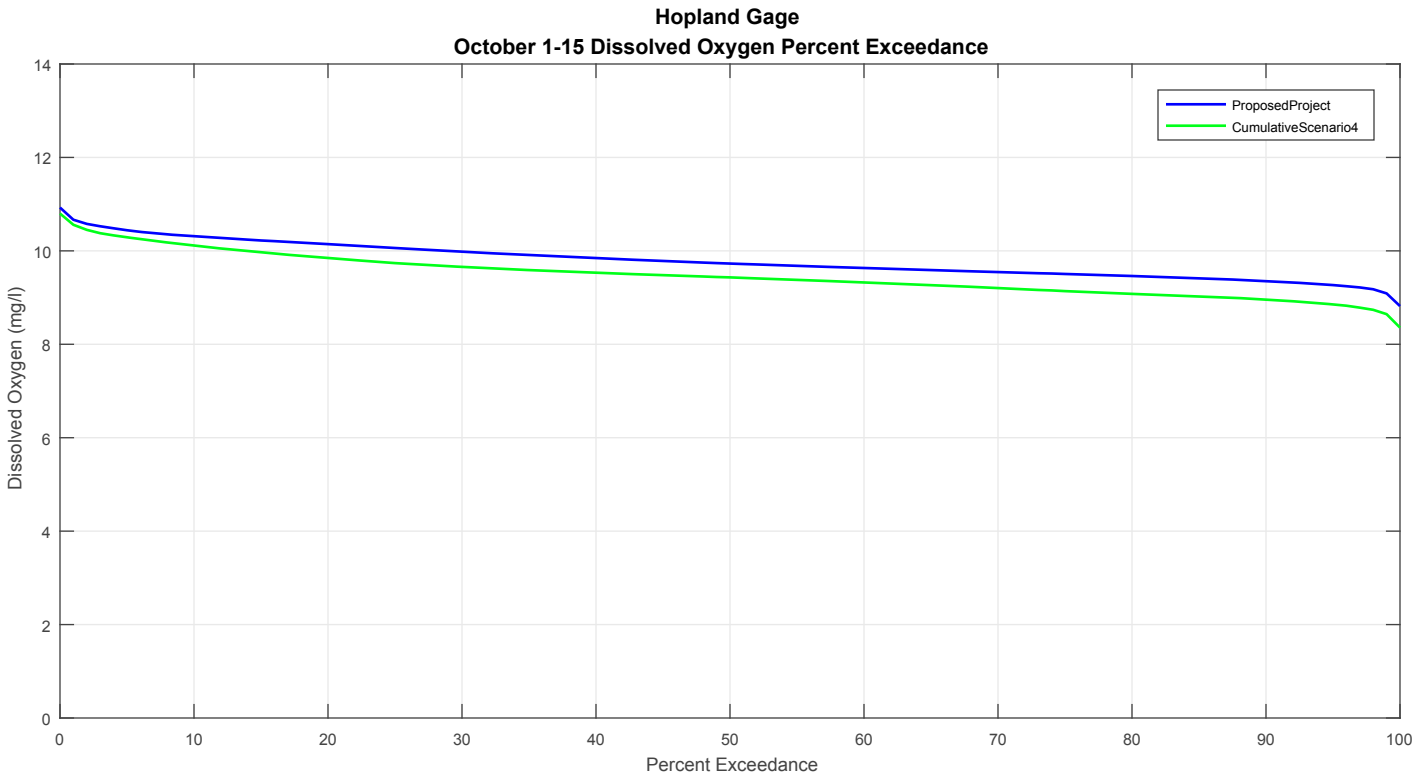
Hopland Gage
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
Percent Exceedance
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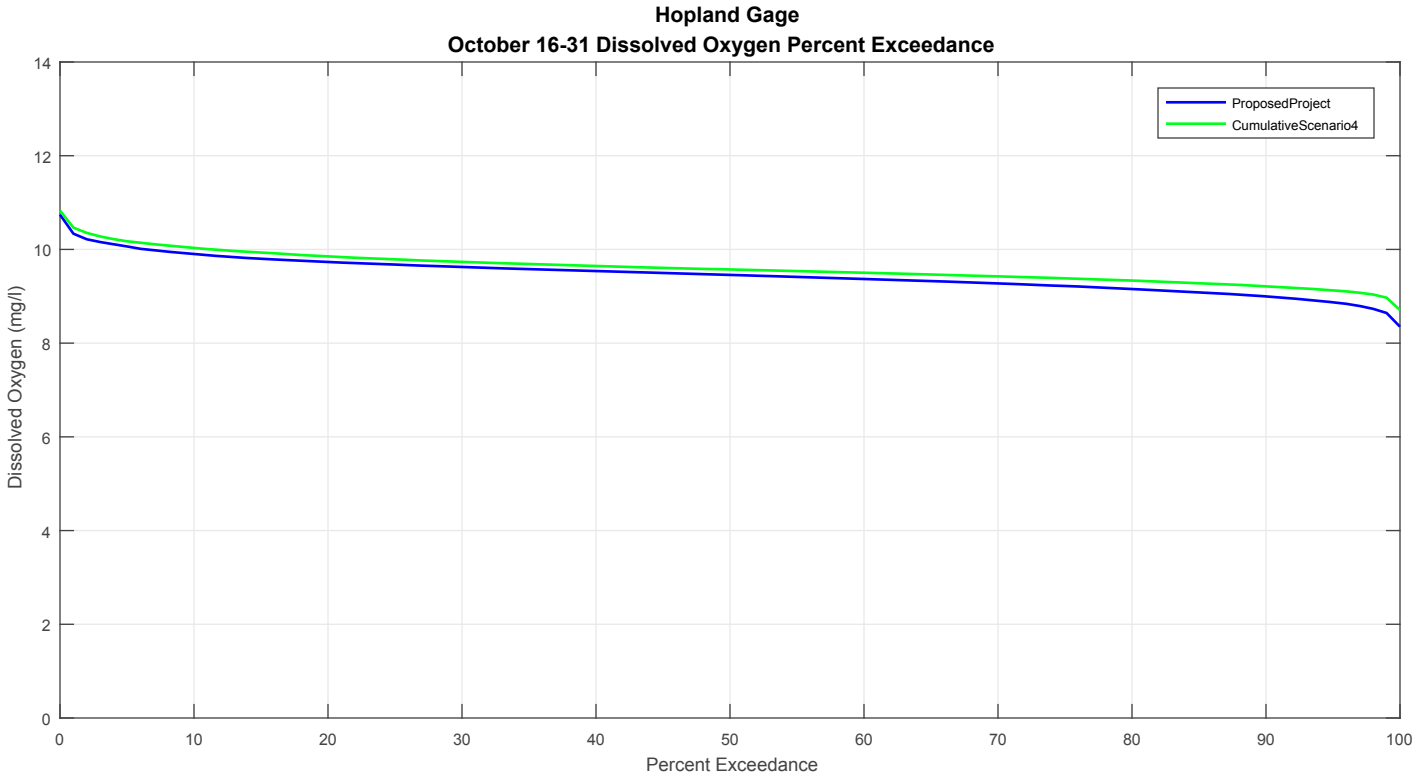
Hopland Gage
October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
Percent Exceedance
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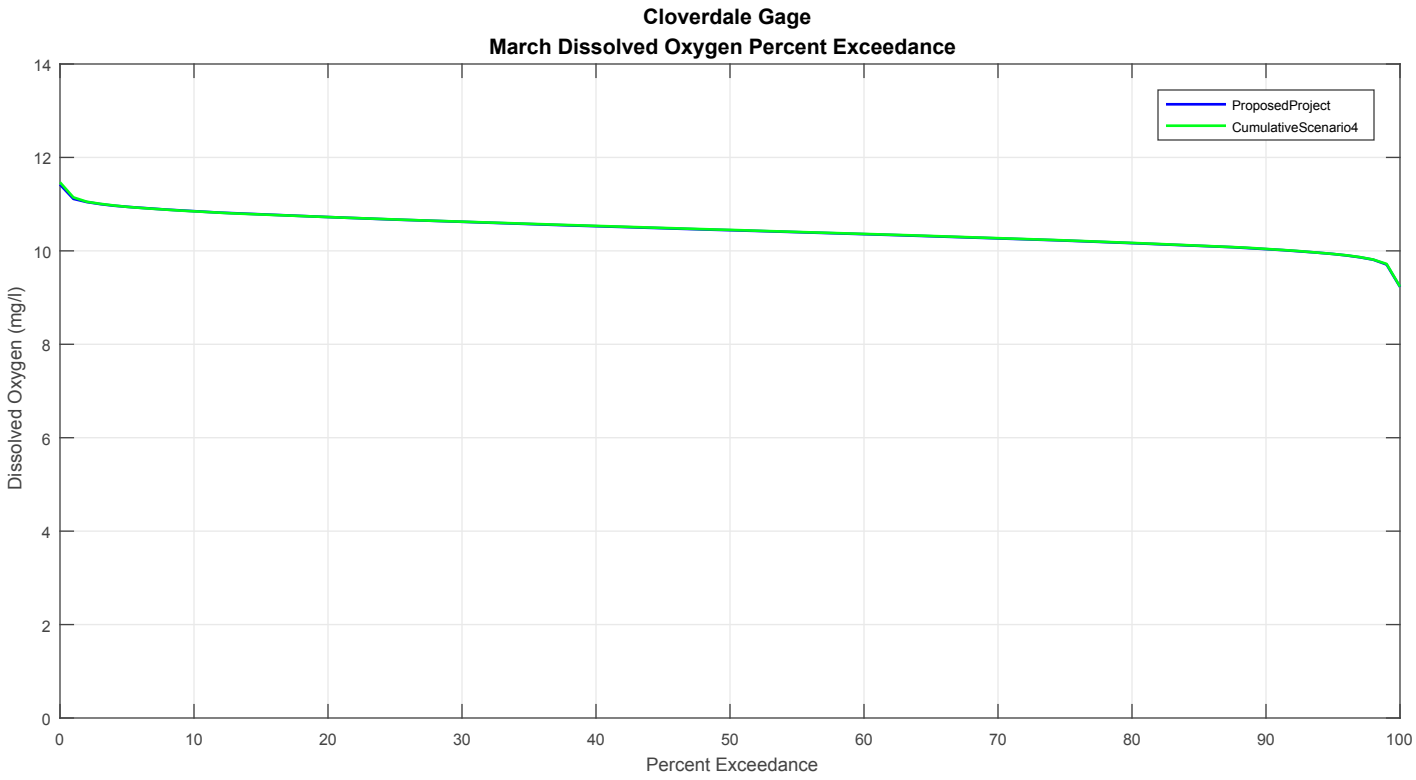
Cloverdale Gage
March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
Percent Exceedance
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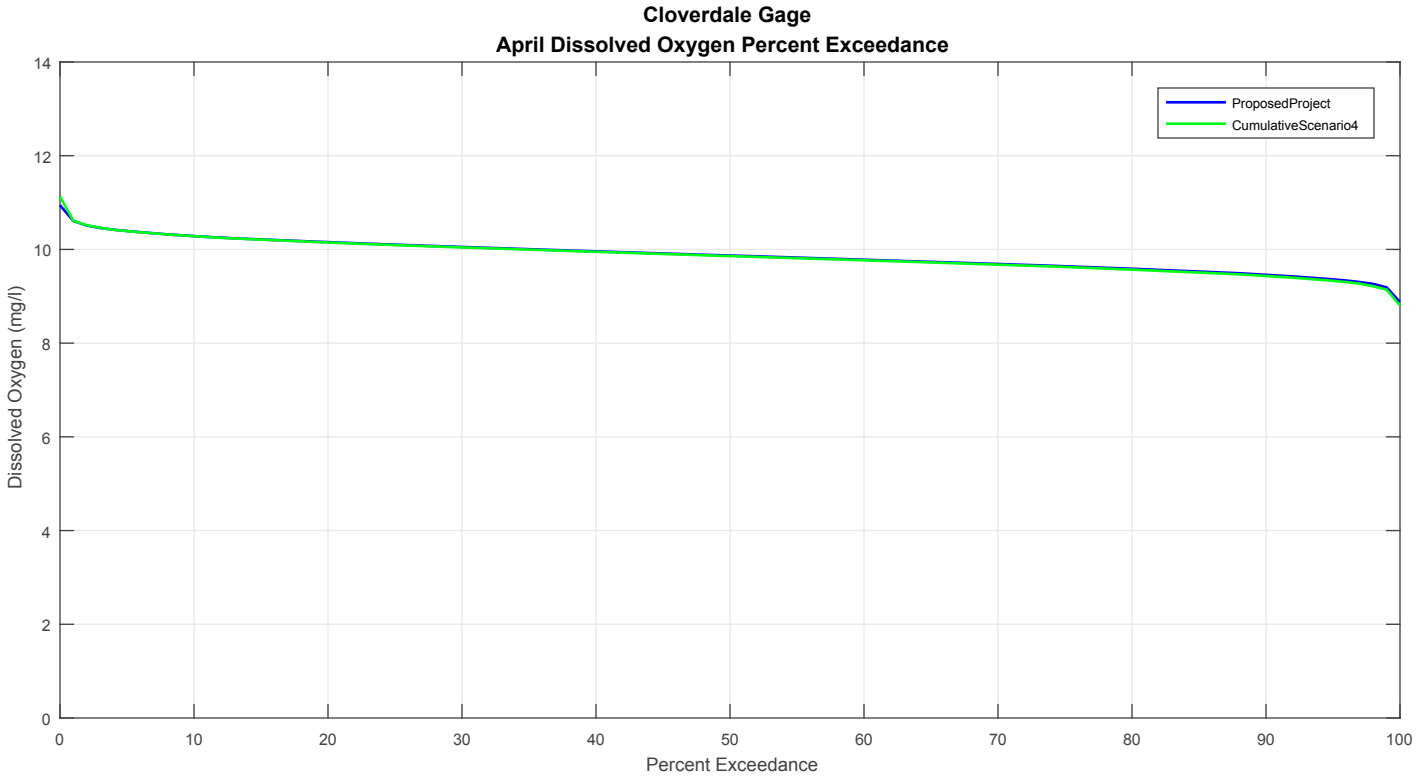
Cloverdale Gage
April Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
Percent Exceedance
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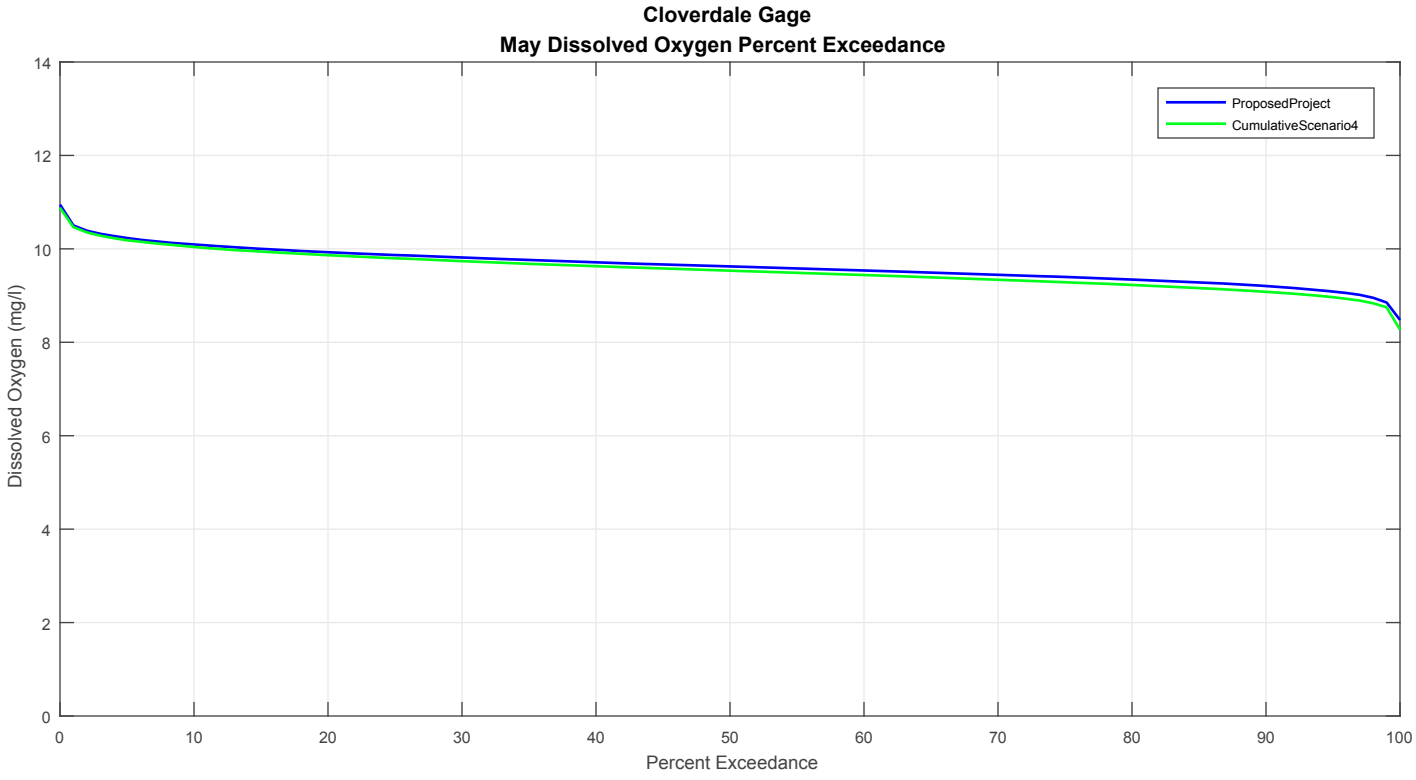
Cloverdale Gage
May Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
Percent Exceedance
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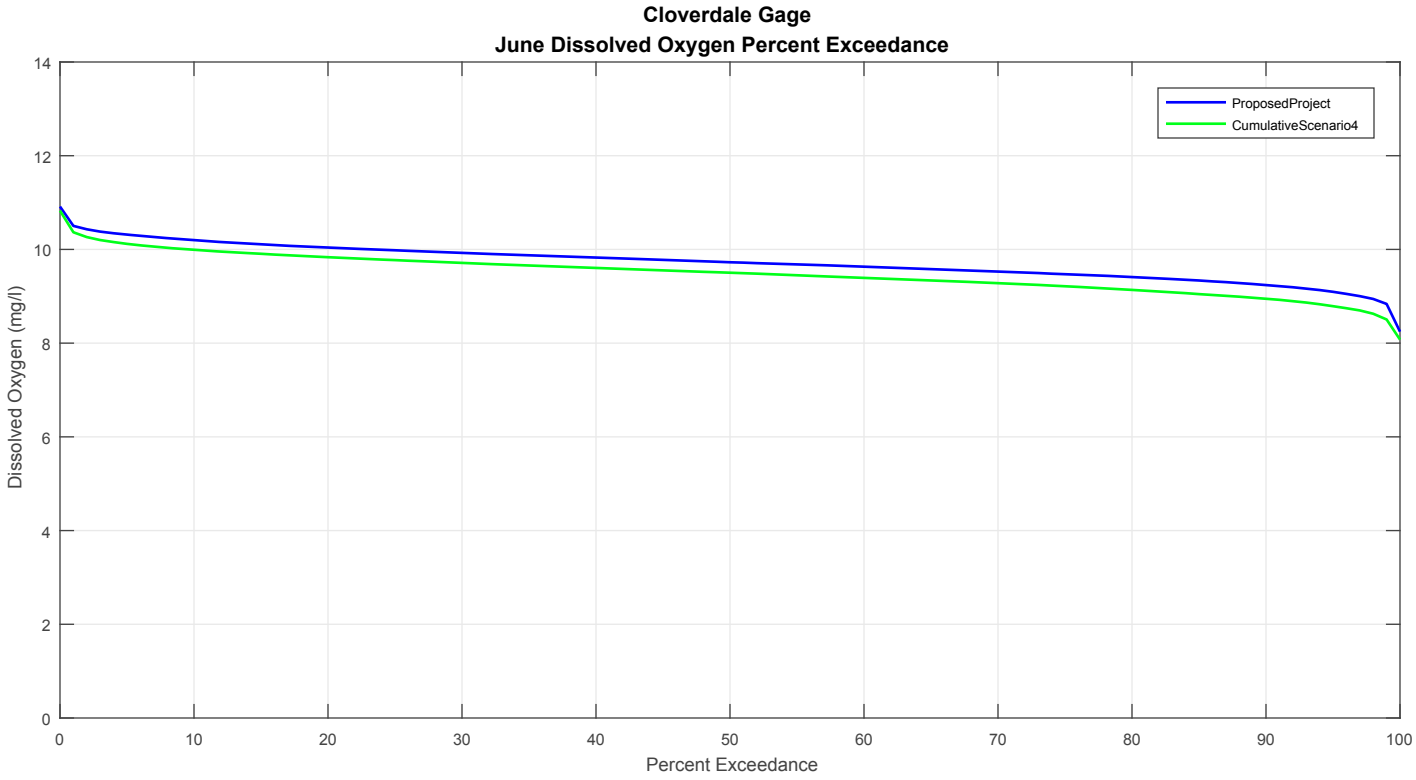
Cloverdale Gage
June Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
Percent Exceedance
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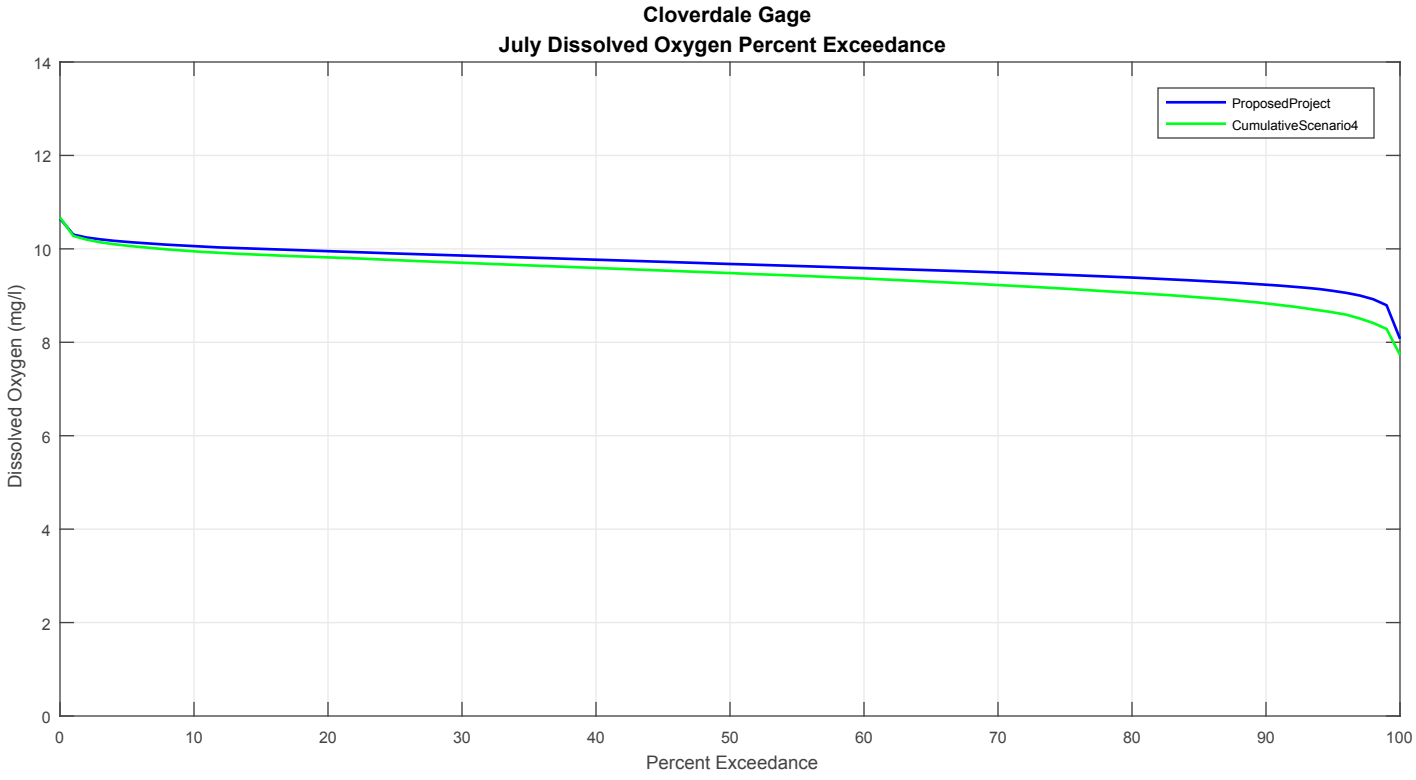
Cloverdale Gage
July Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
Percent Exceedance
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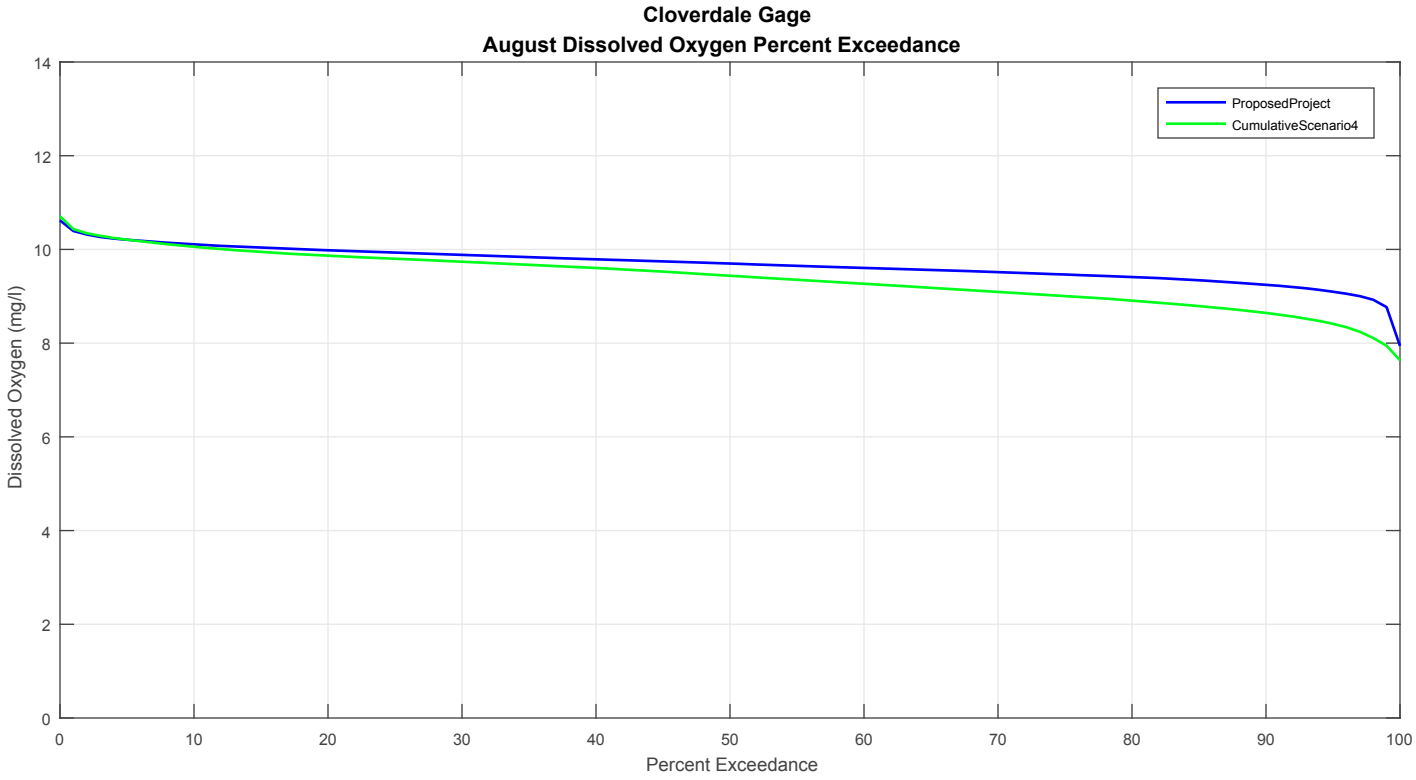
Cloverdale Gage
August Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
Percent Exceedance
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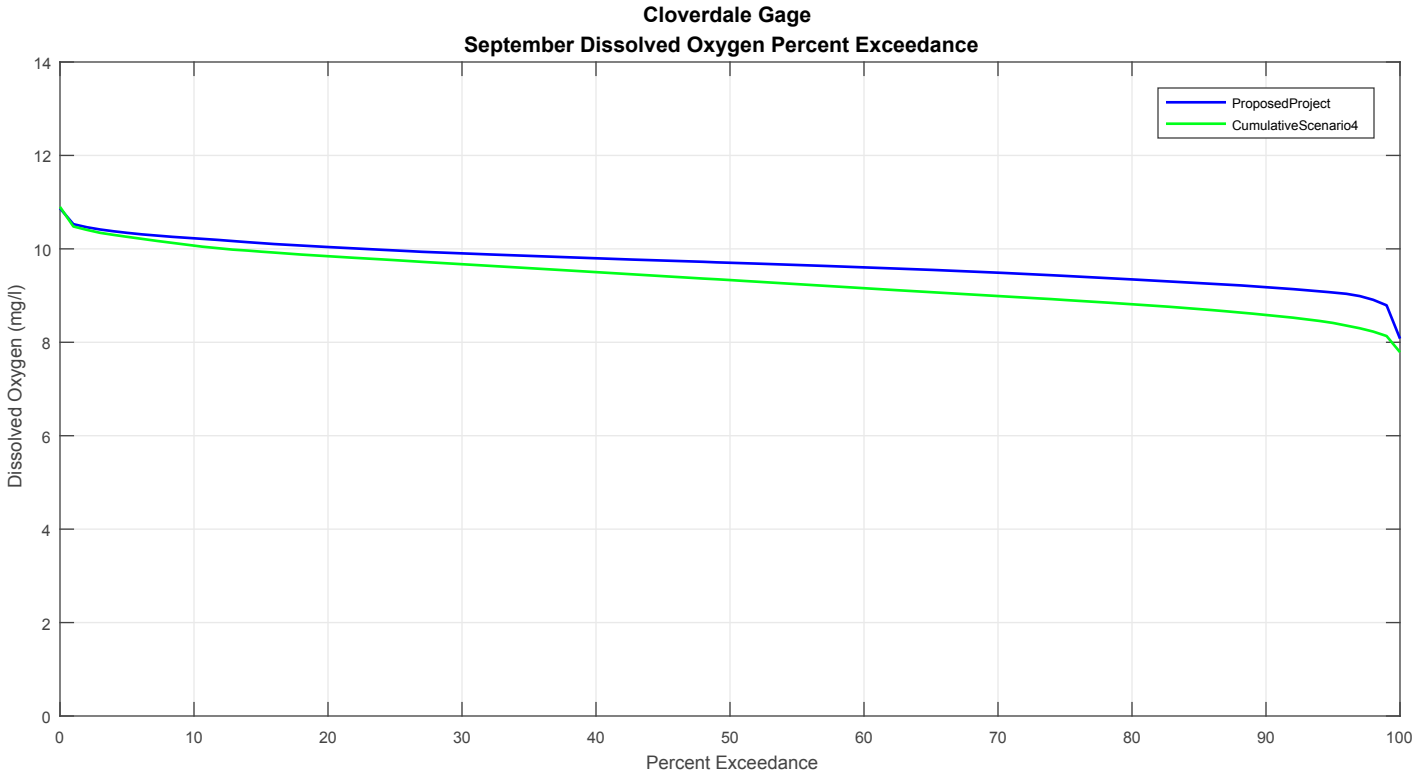
Cloverdale Gage
September Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
Percent Exceedance
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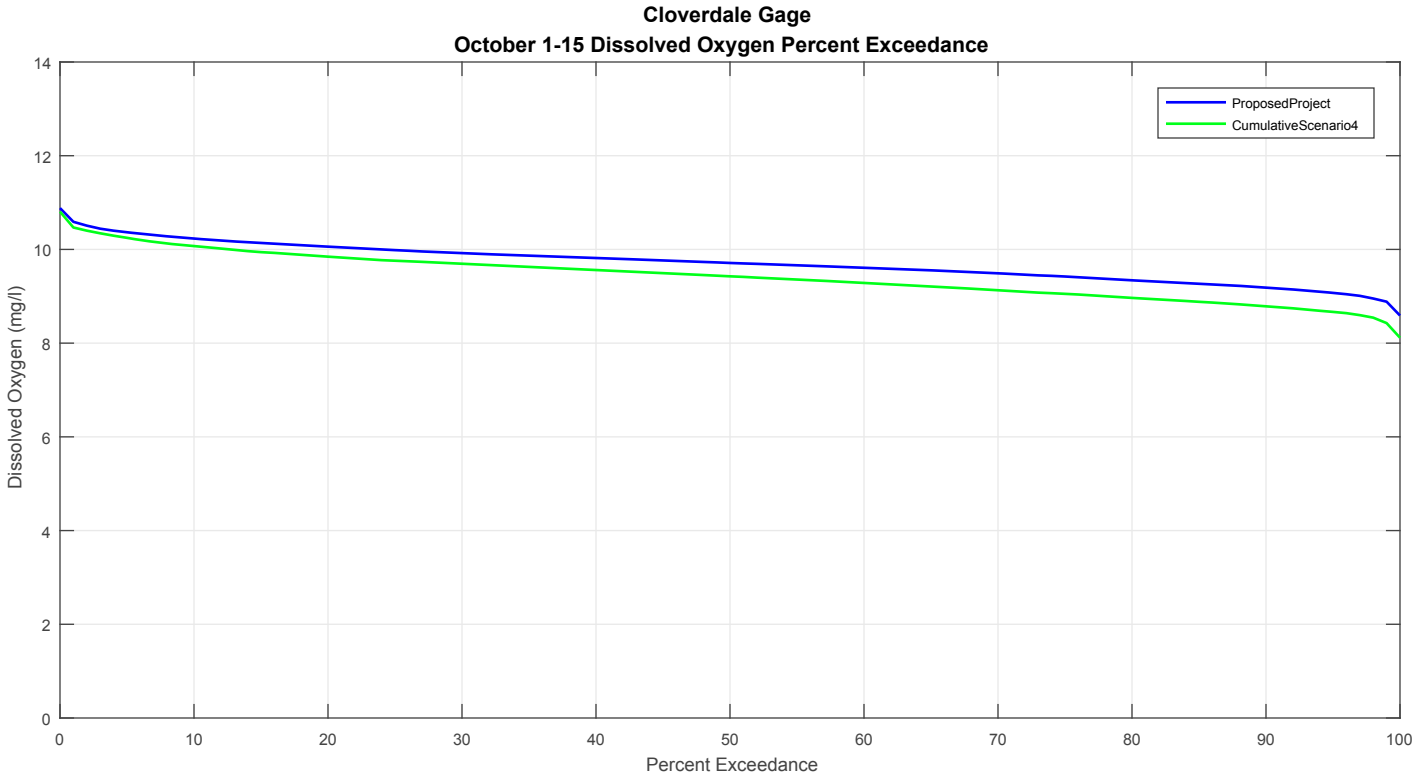
Cloverdale Gage
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
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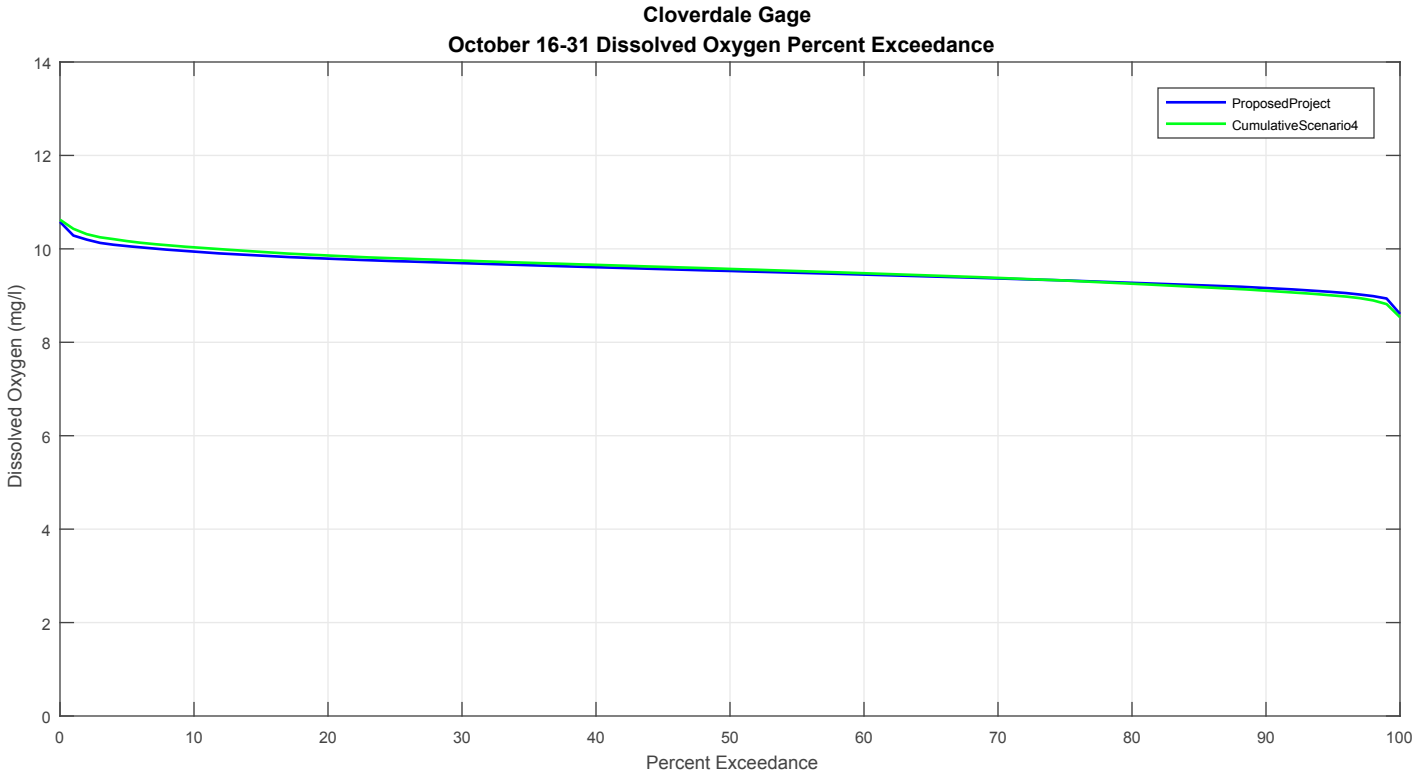
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October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
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Dissolved Oxygen (mg/l)
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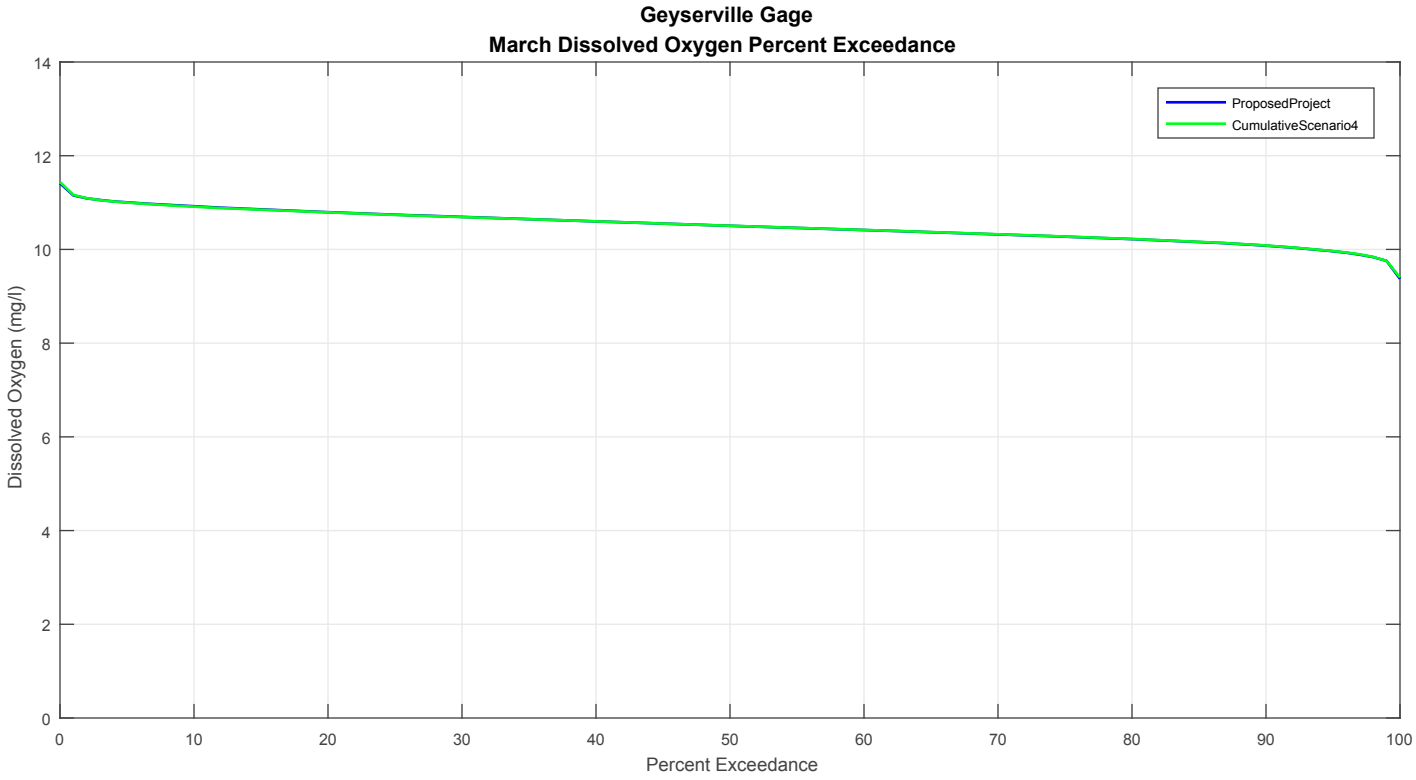
Geyserville Gage
March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
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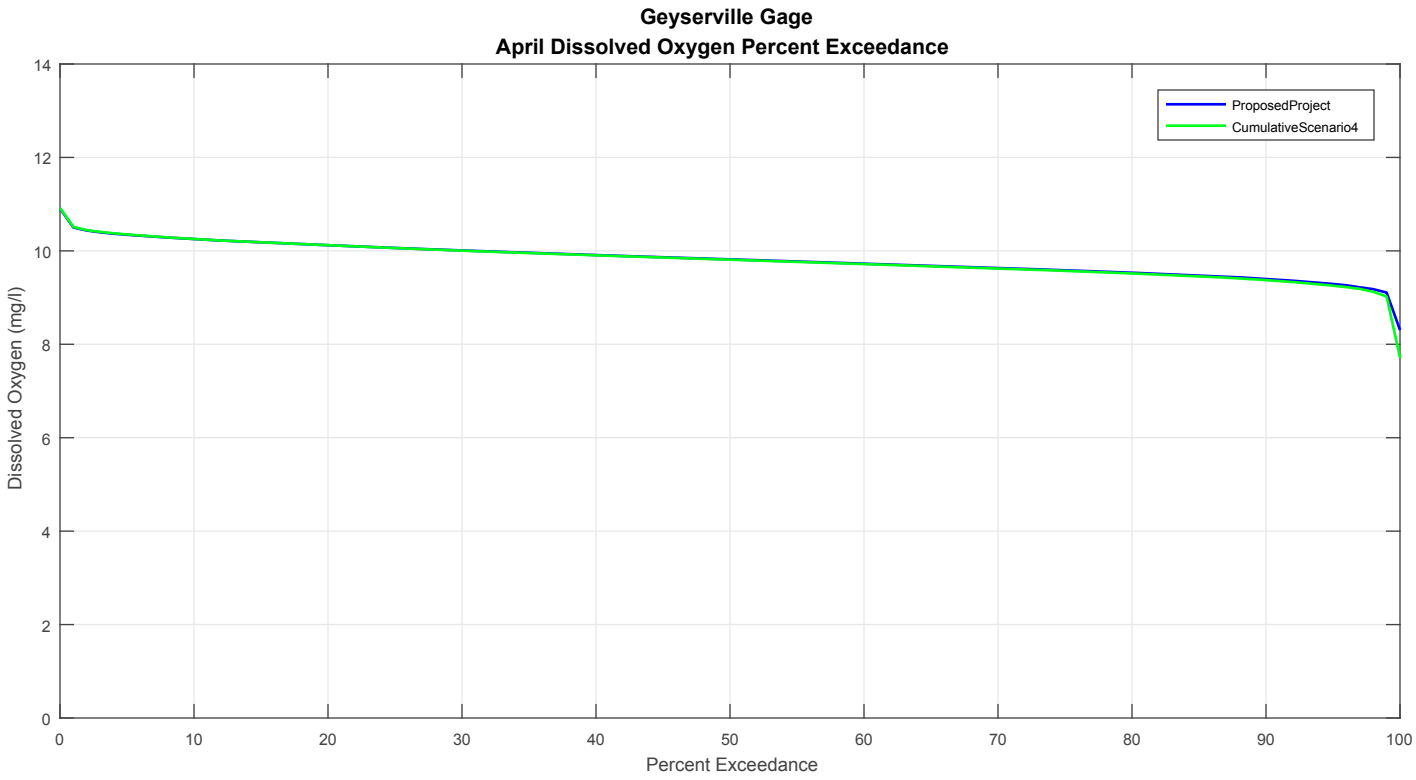
Geyserville Gage
April Dissolved Oxygen Percent Exceedance
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CumulativeScenario4
Dissolved Oxygen (mg/l)
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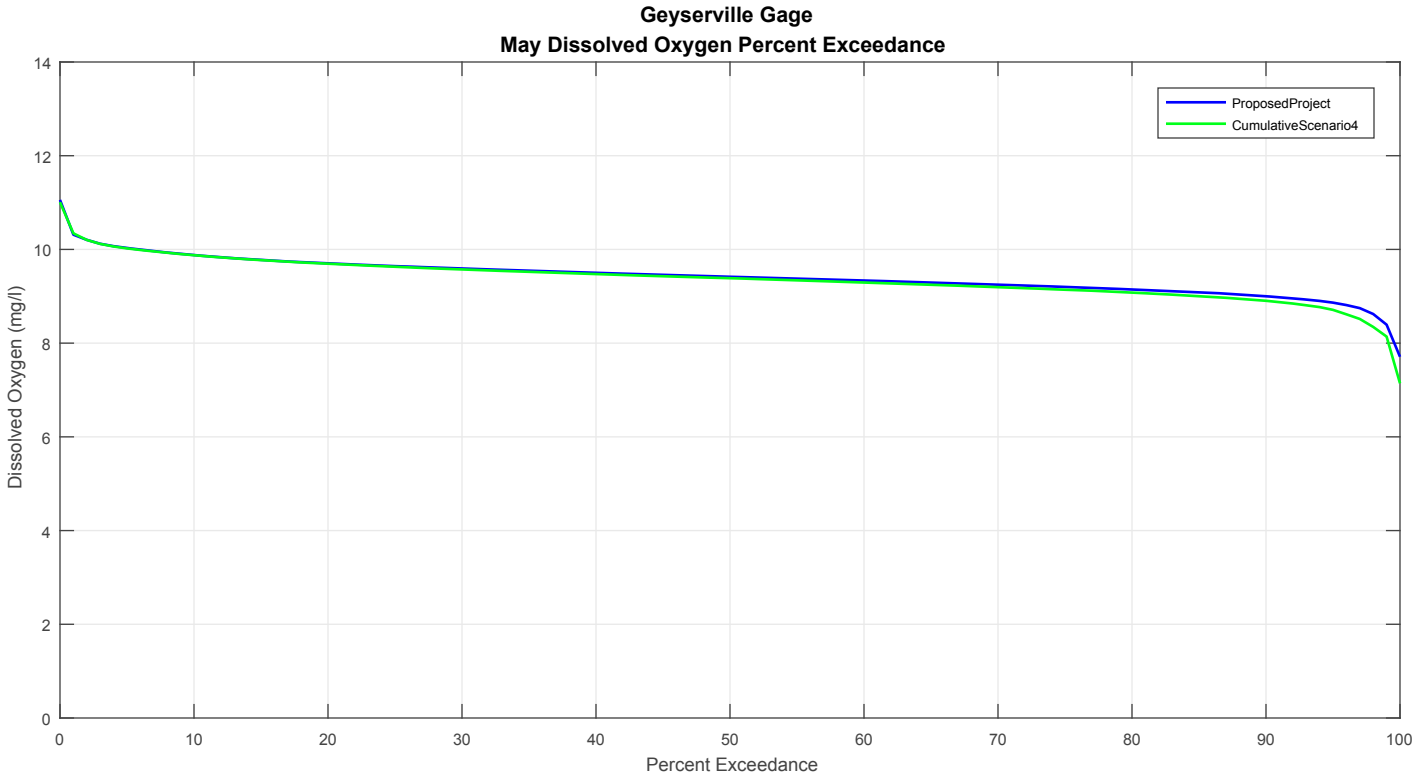
Geyserville Gage
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CumulativeScenario4
Dissolved Oxygen (mg/l)
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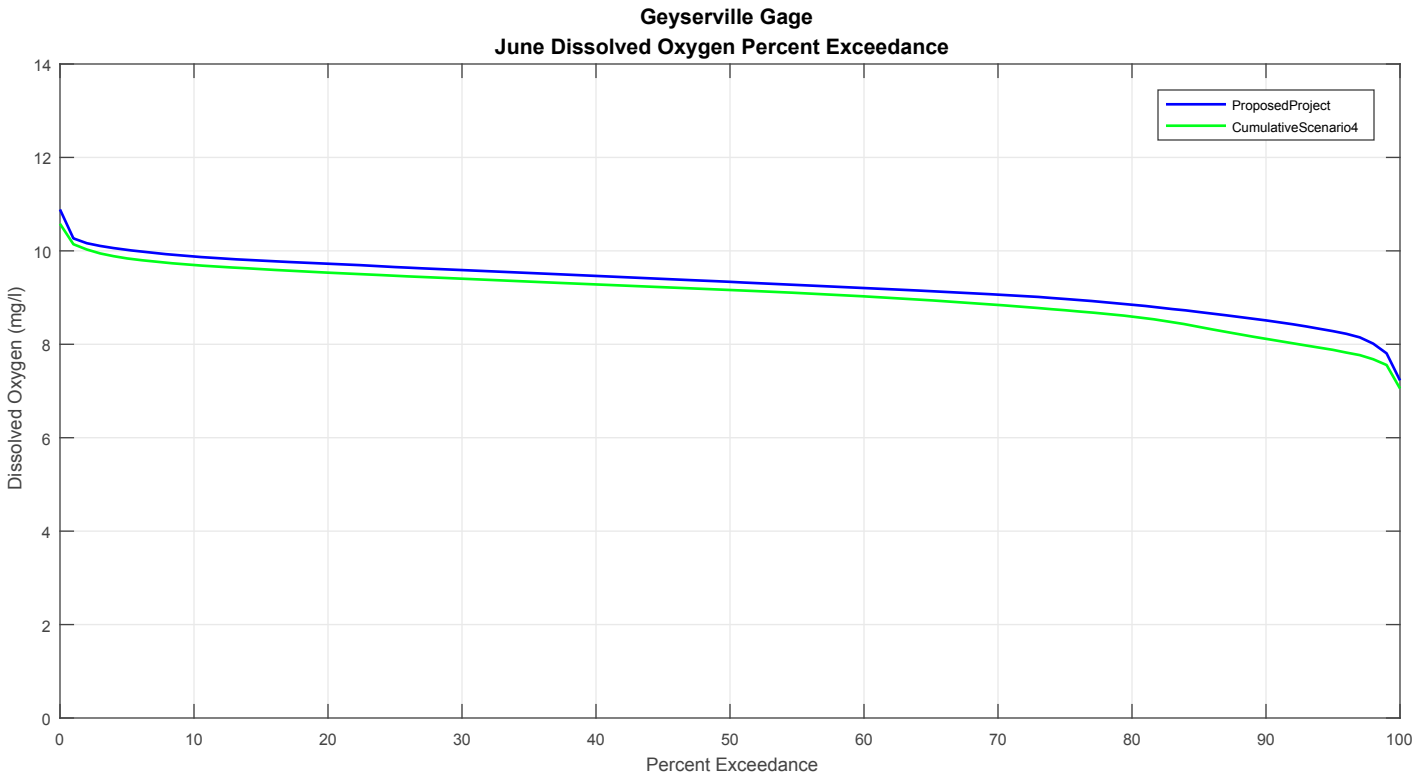
Geyserville Gage
June Dissolved Oxygen Percent Exceedance
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CumulativeScenario4
Dissolved Oxygen (mg/l)
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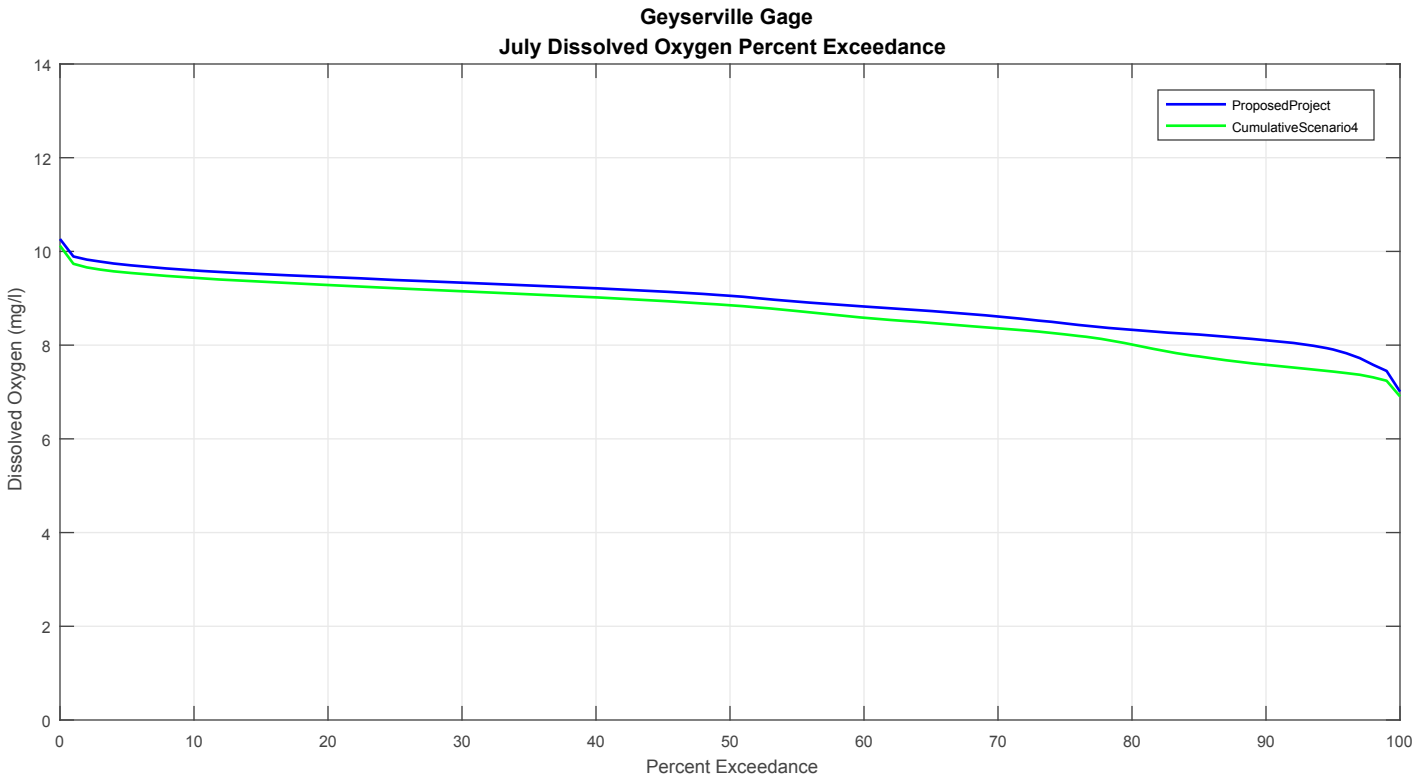
Geyserville Gage
July Dissolved Oxygen Percent Exceedance
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CumulativeScenario4
Dissolved Oxygen (mg/l)
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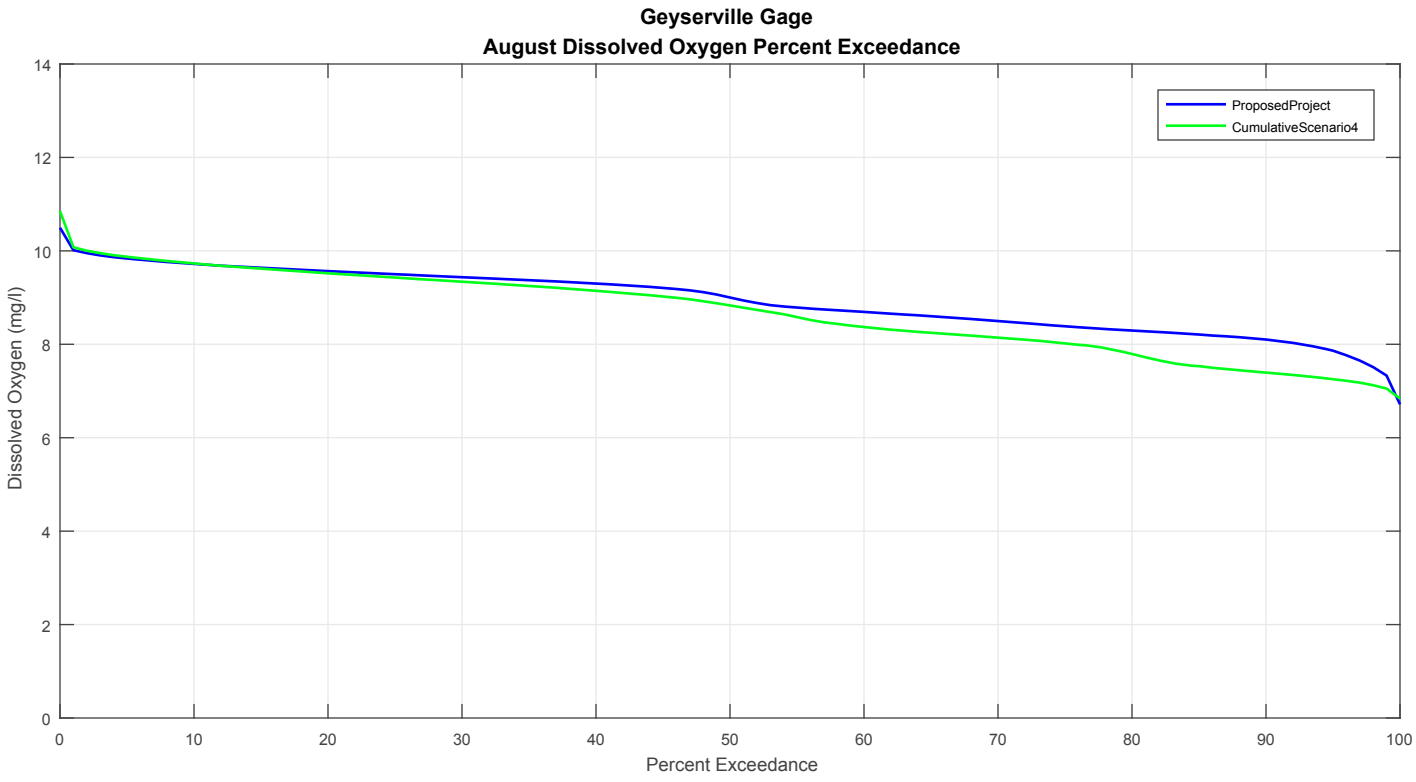
Geyserville Gage
August Dissolved Oxygen Percent Exceedance
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CumulativeScenario4
Dissolved Oxygen (mg/l)
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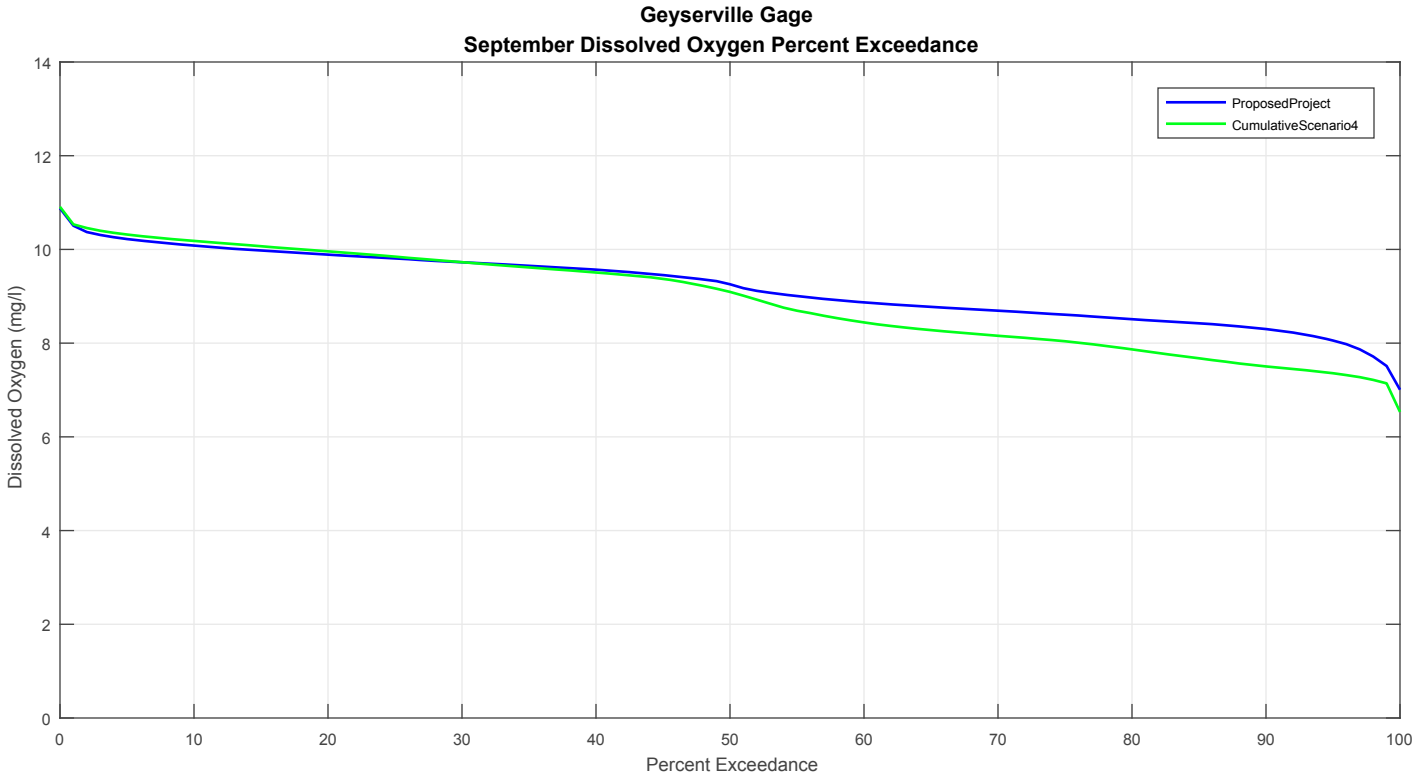
Geyserville Gage
September Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
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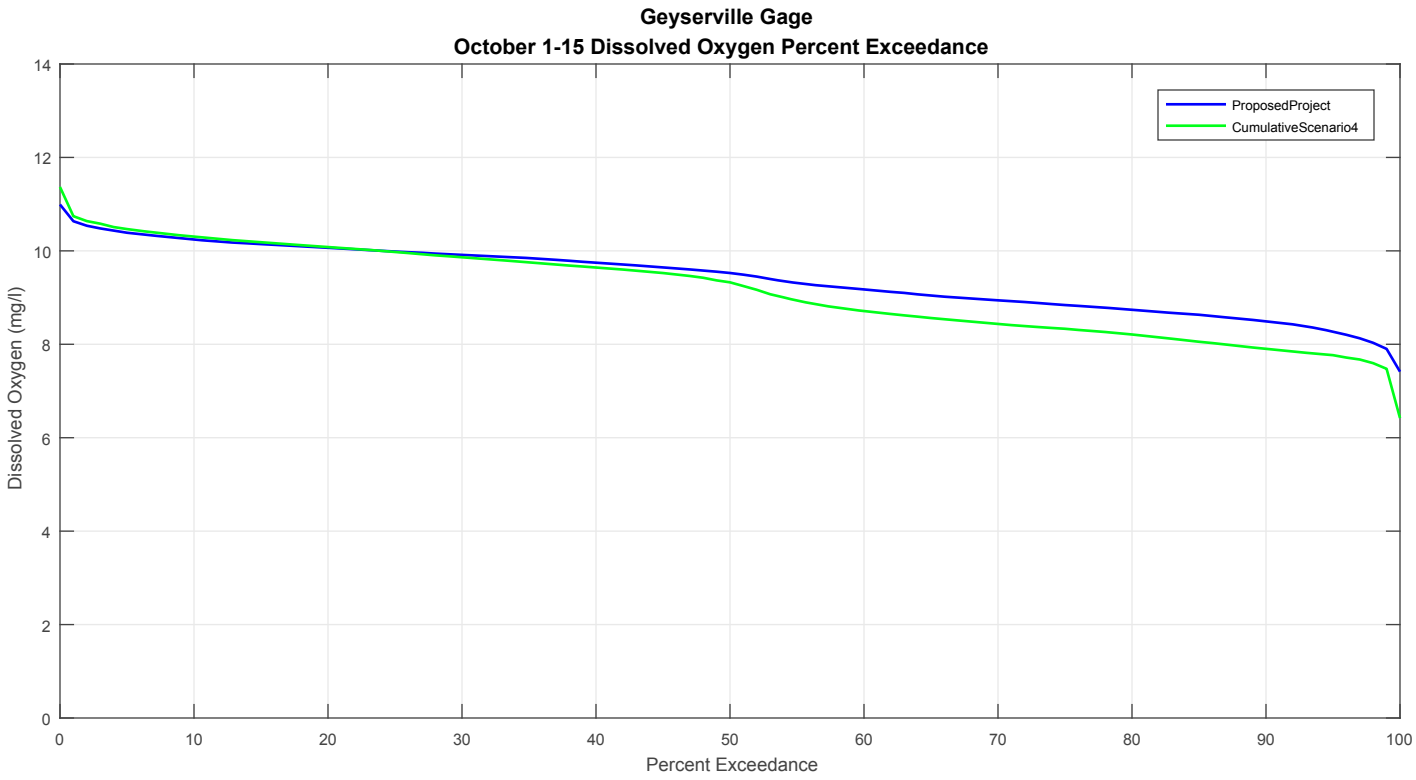
Geyserville Gage
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
Percent Exceedance
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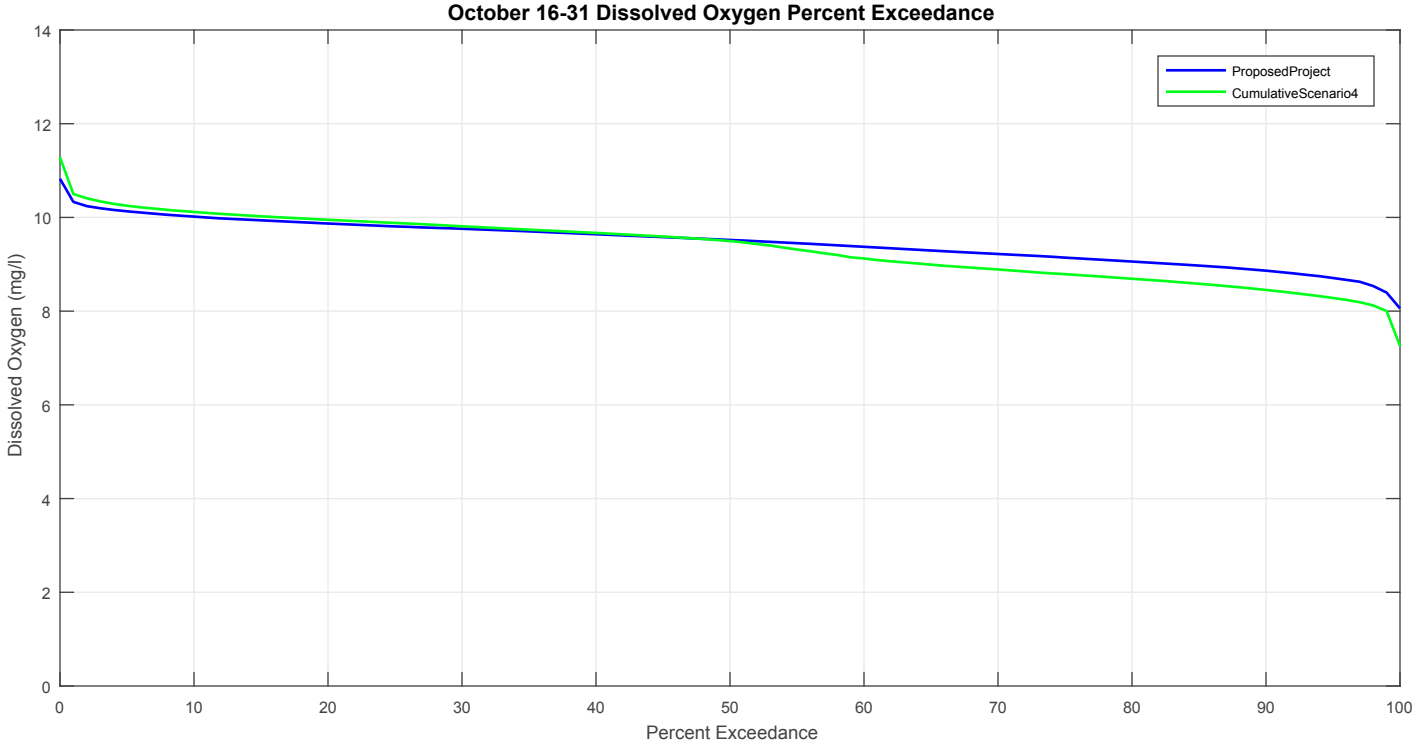
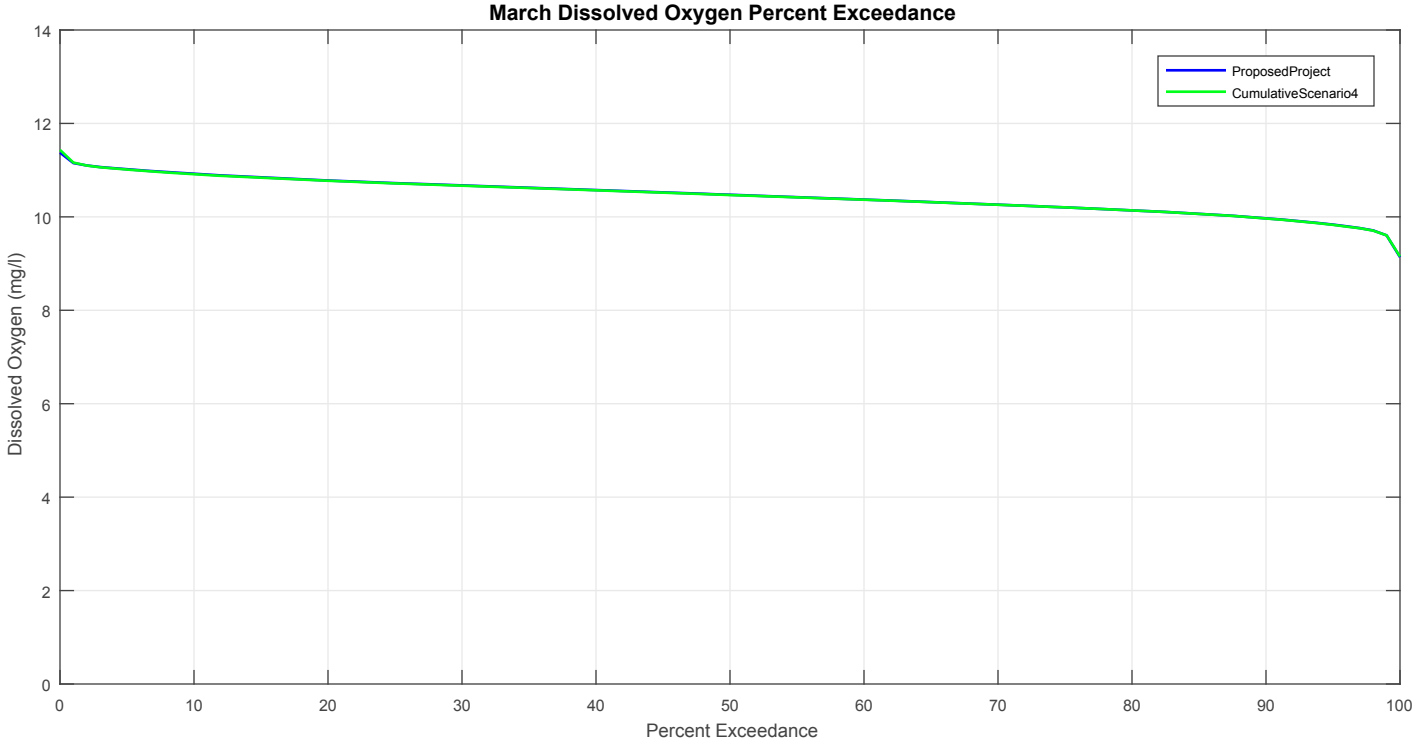
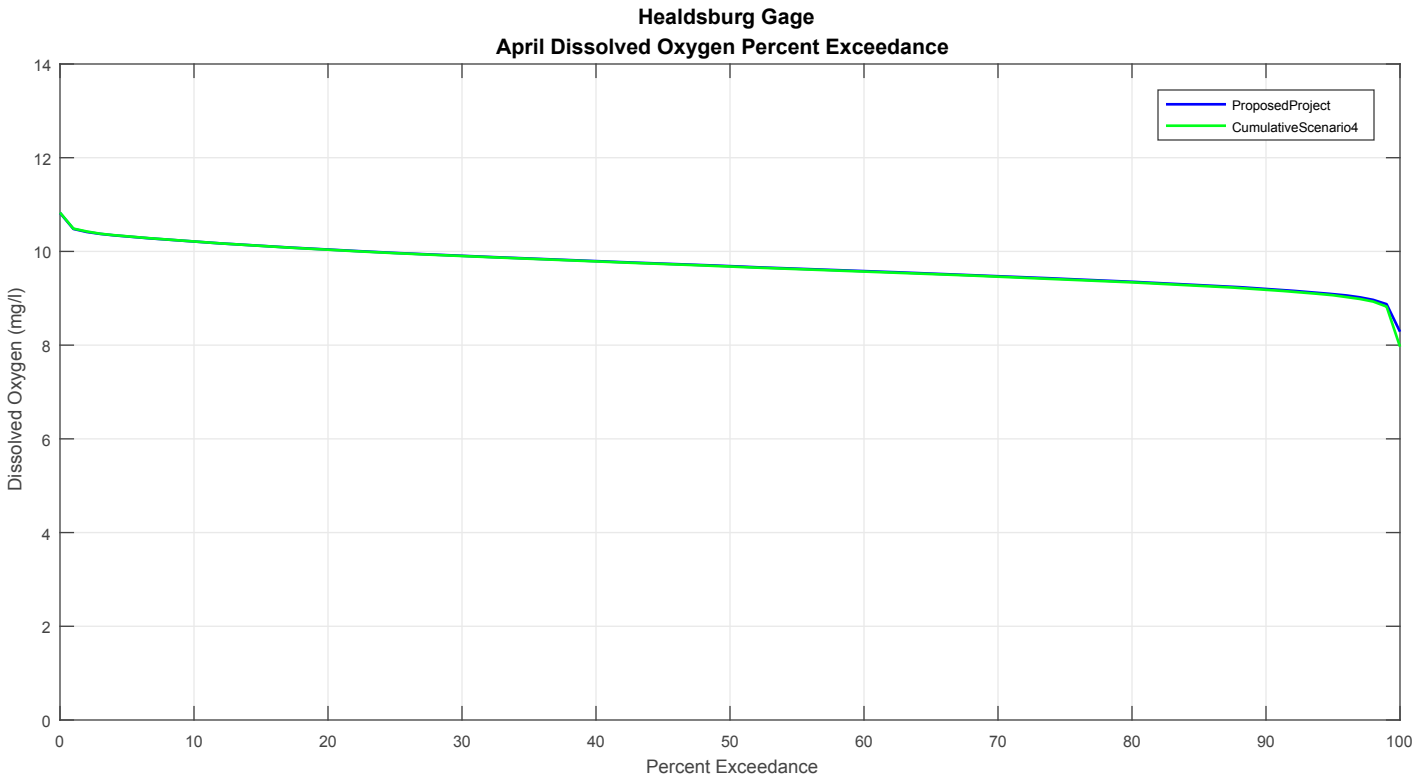
**Geyserville Gage**
**October 16-31 Dissolved Oxygen Percent Exceedance**




**Healdsburg Gage**
**March Dissolved Oxygen Percent Exceedance**




Healdsburg Gage
April Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
Percent Exceedance
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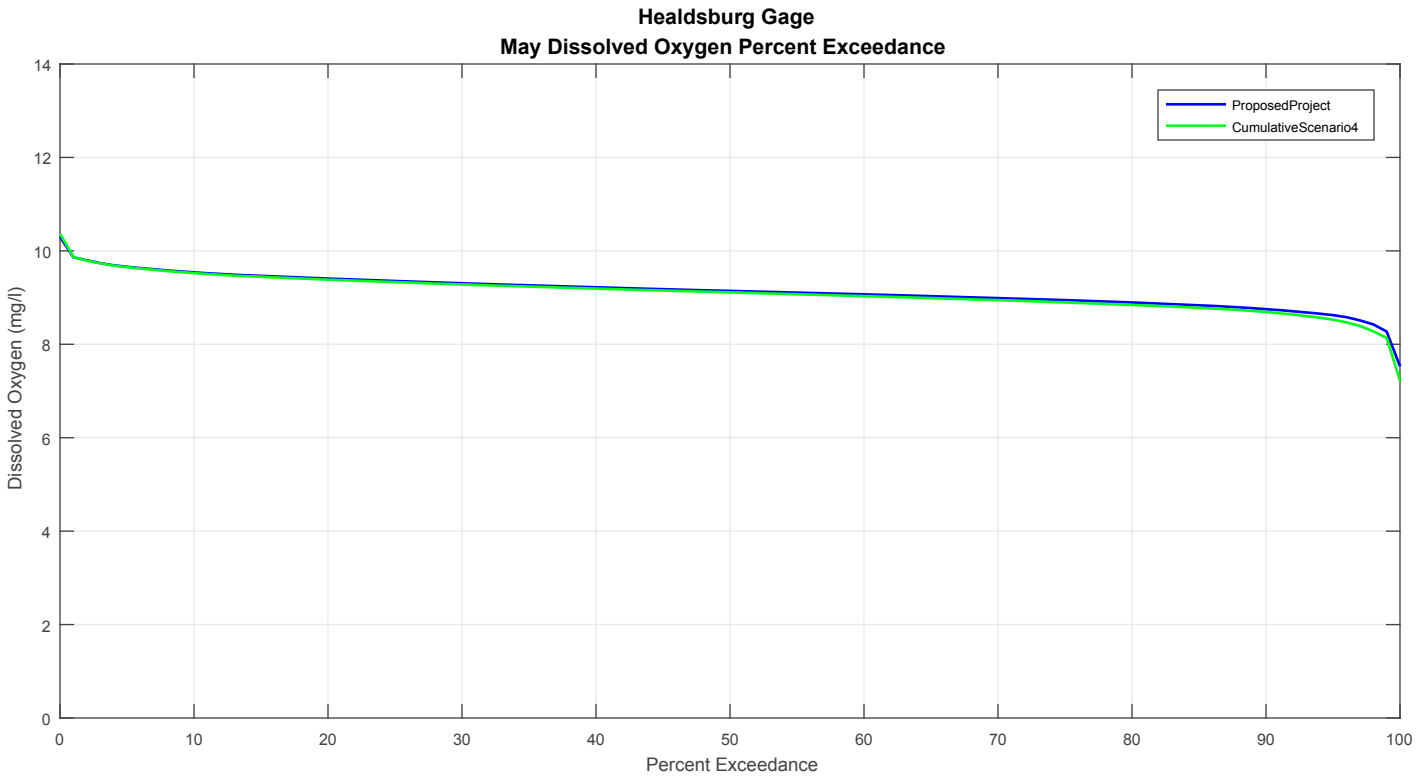
Healdsburg Gage
May Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
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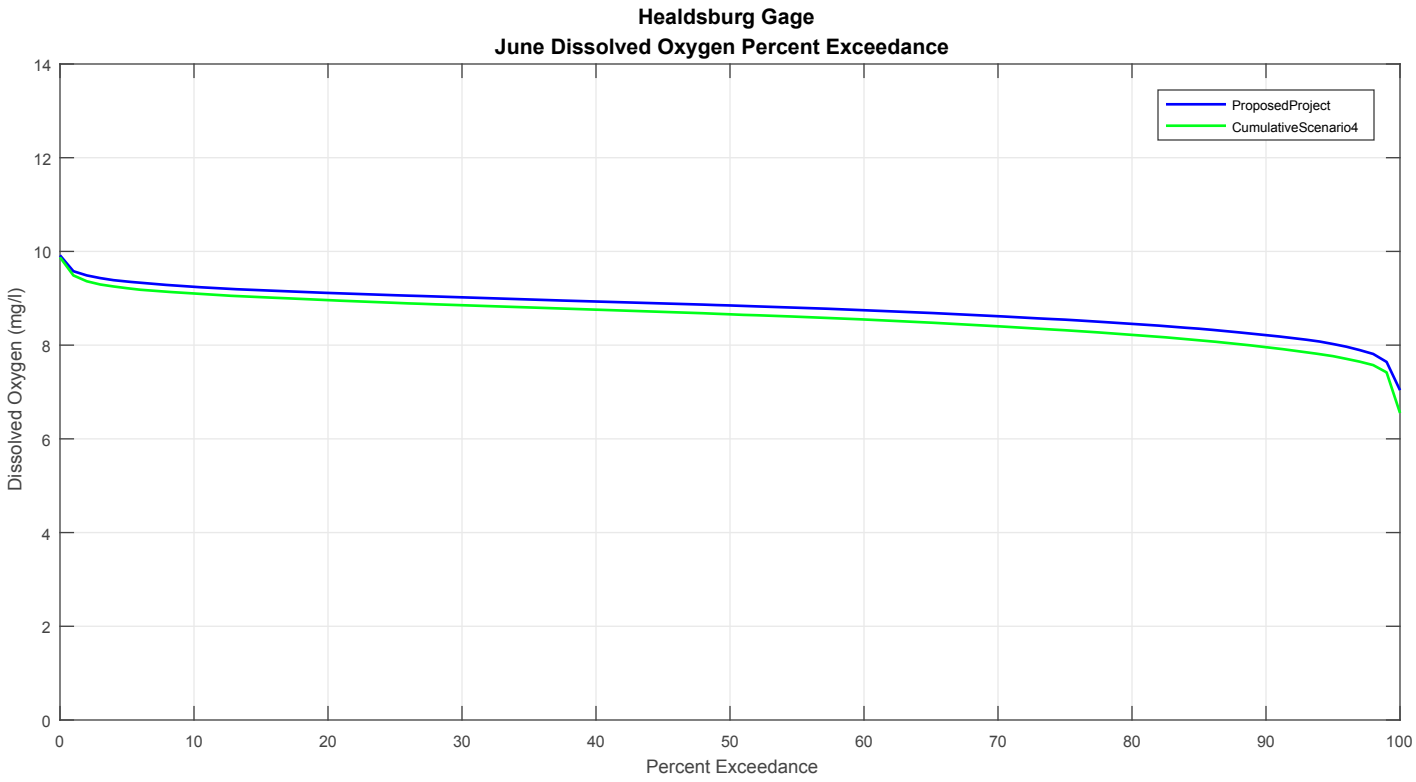
Healdsburg Gage
June Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
Percent Exceedance
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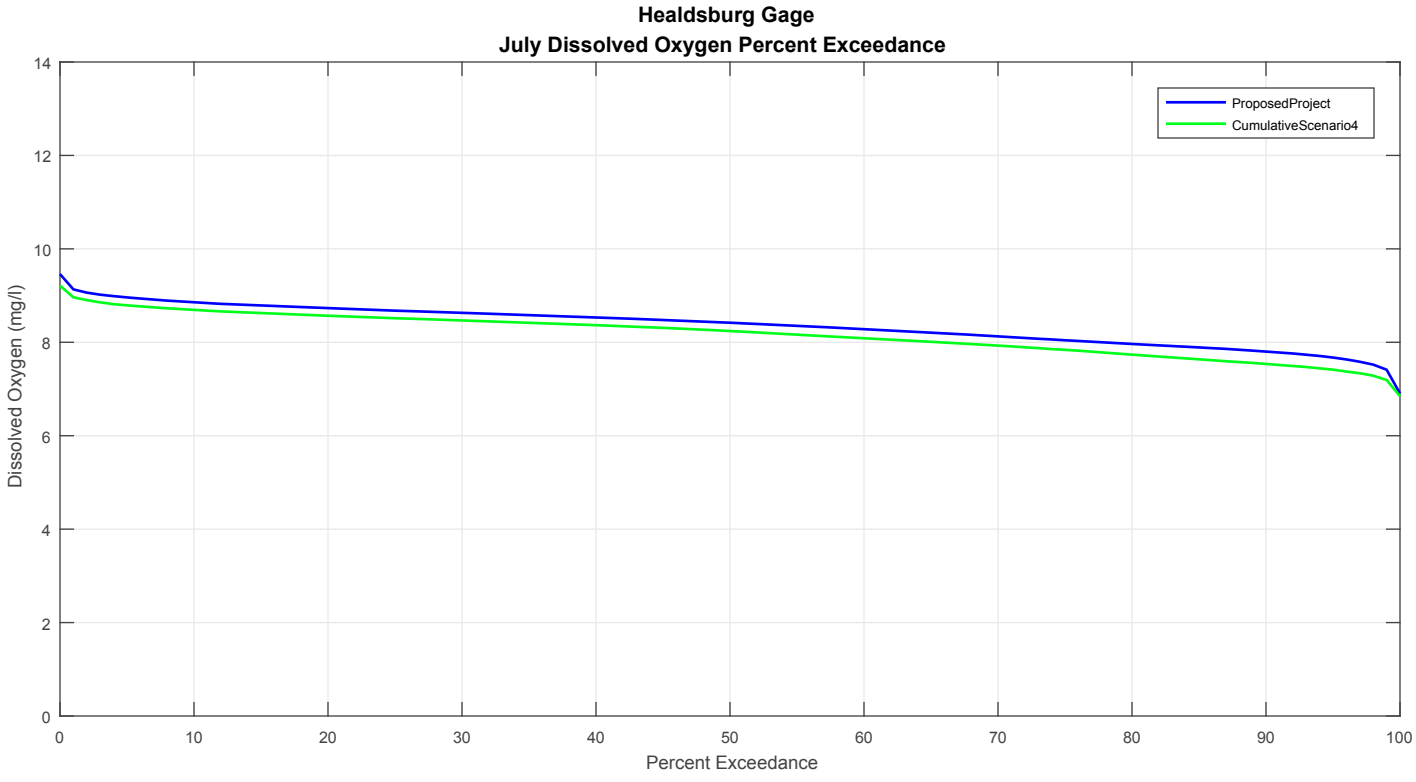
Healdsburg Gage
July Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
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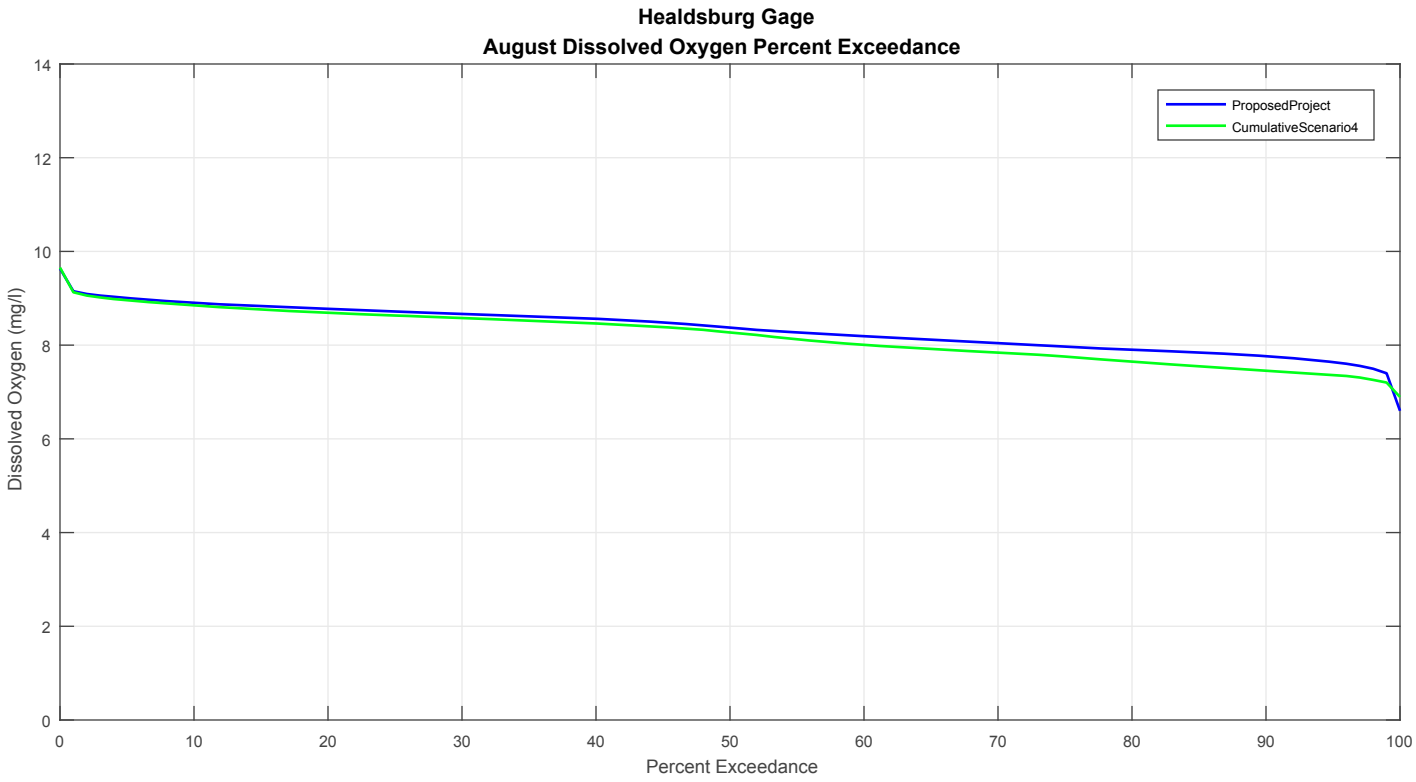
Healdsburg Gage
August Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
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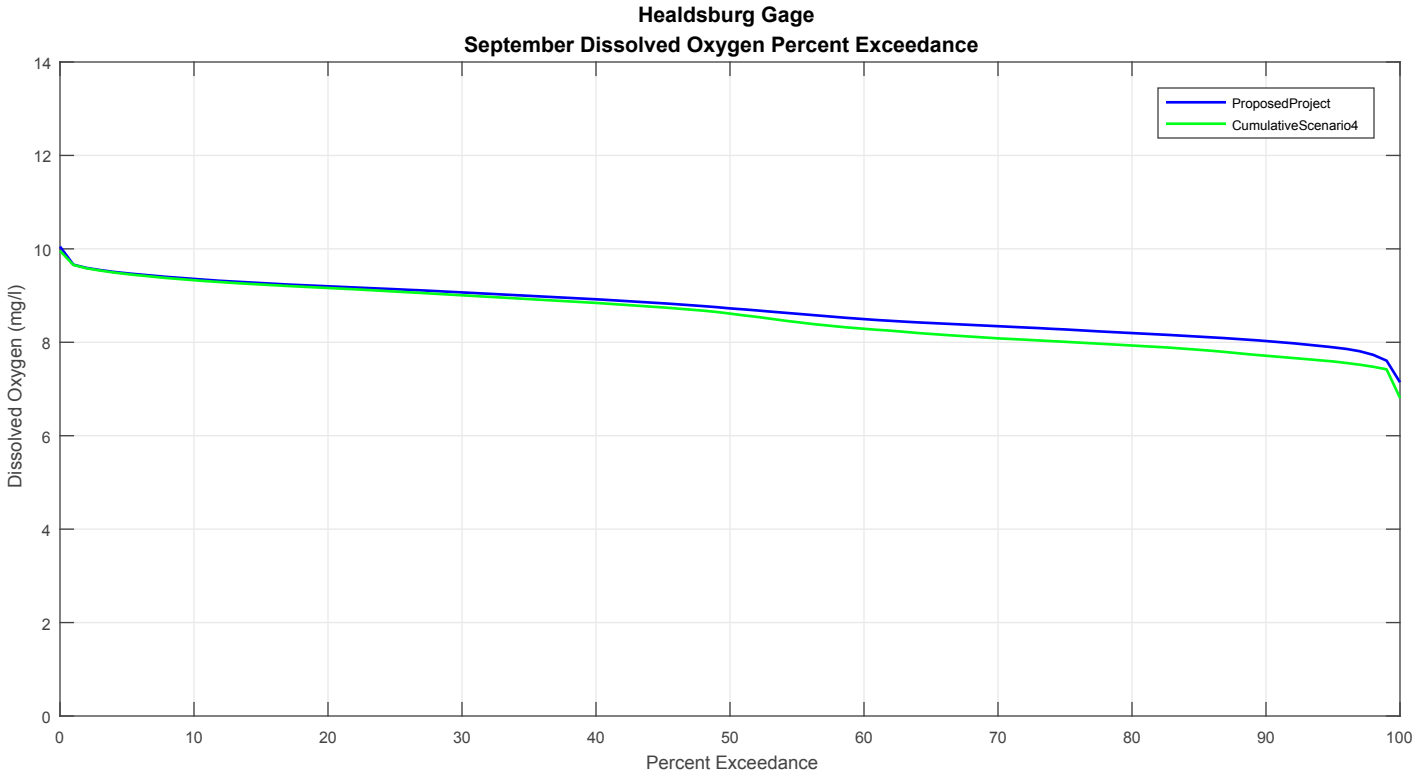
Healdsburg Gage
September Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
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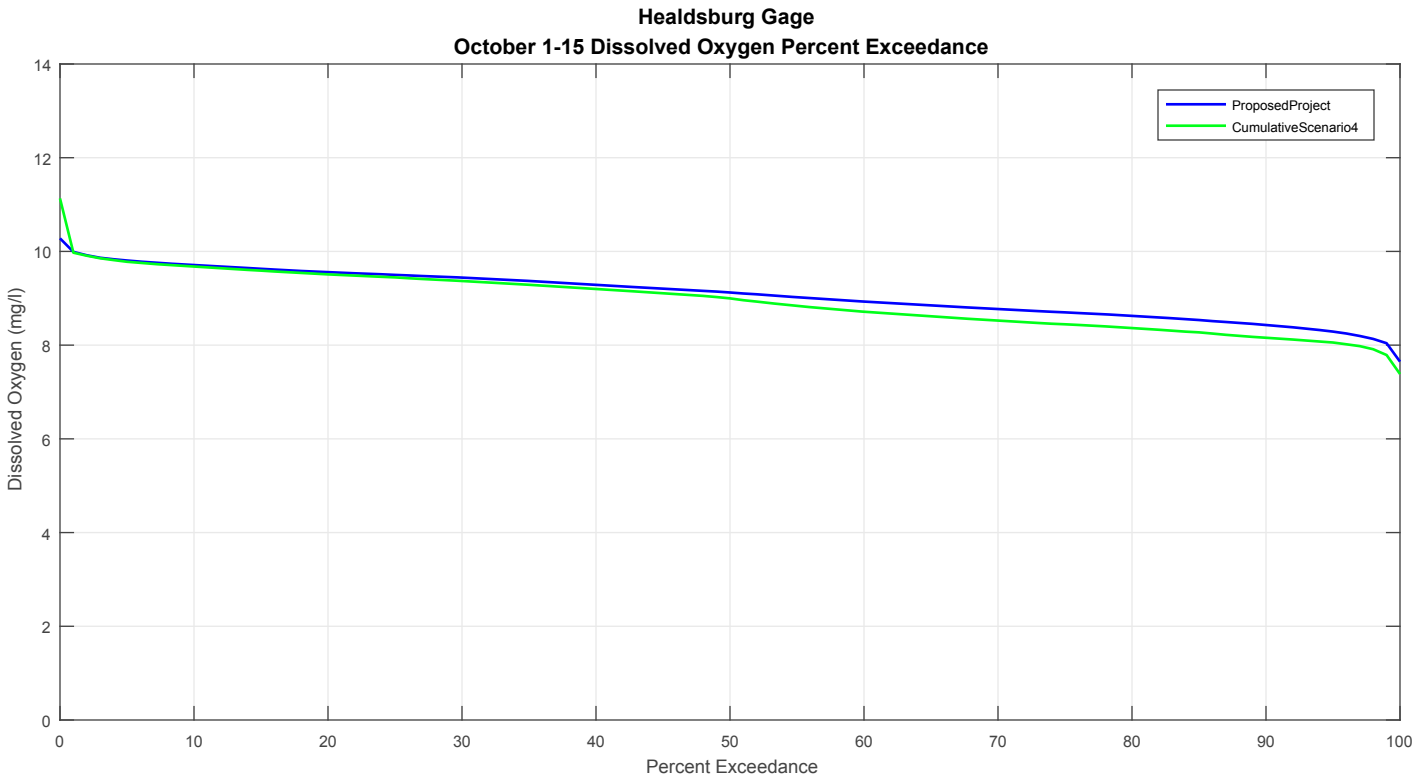
Healdsburg Gage
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
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Dissolved Oxygen (mg/l)
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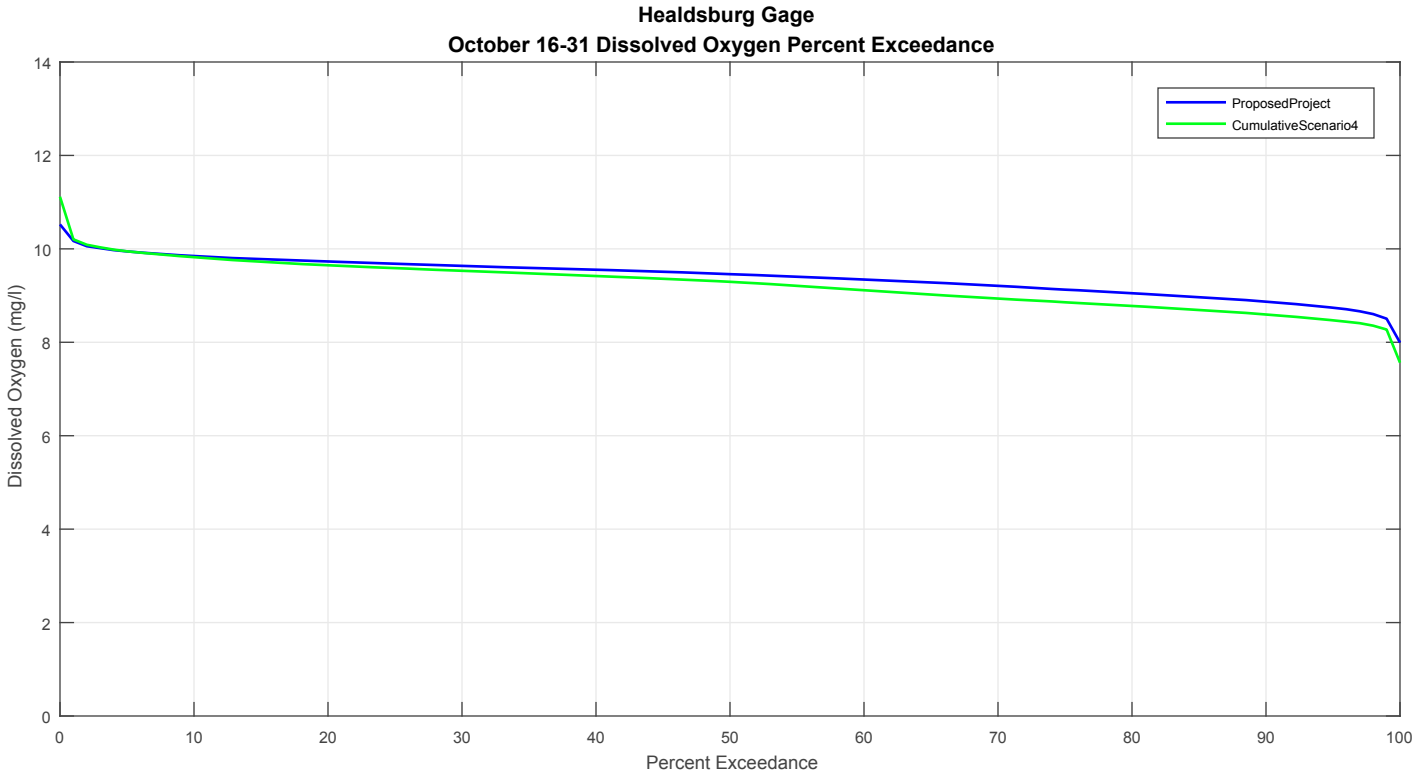
Healdsburg Gage
October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
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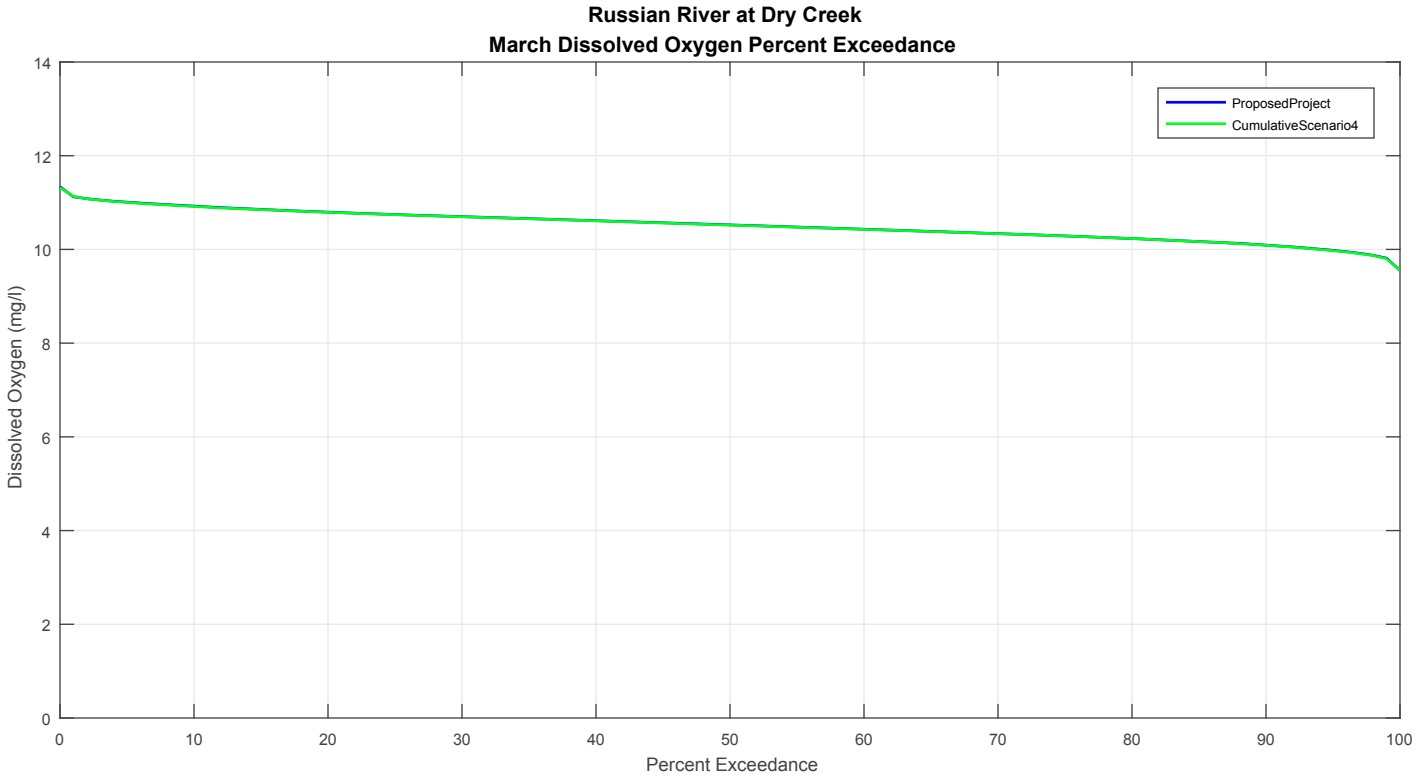
Russian River at Dry Creek
March Dissolved Oxygen Percent Exceedance
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CumulativeScenario4
Dissolved Oxygen (mg/l)
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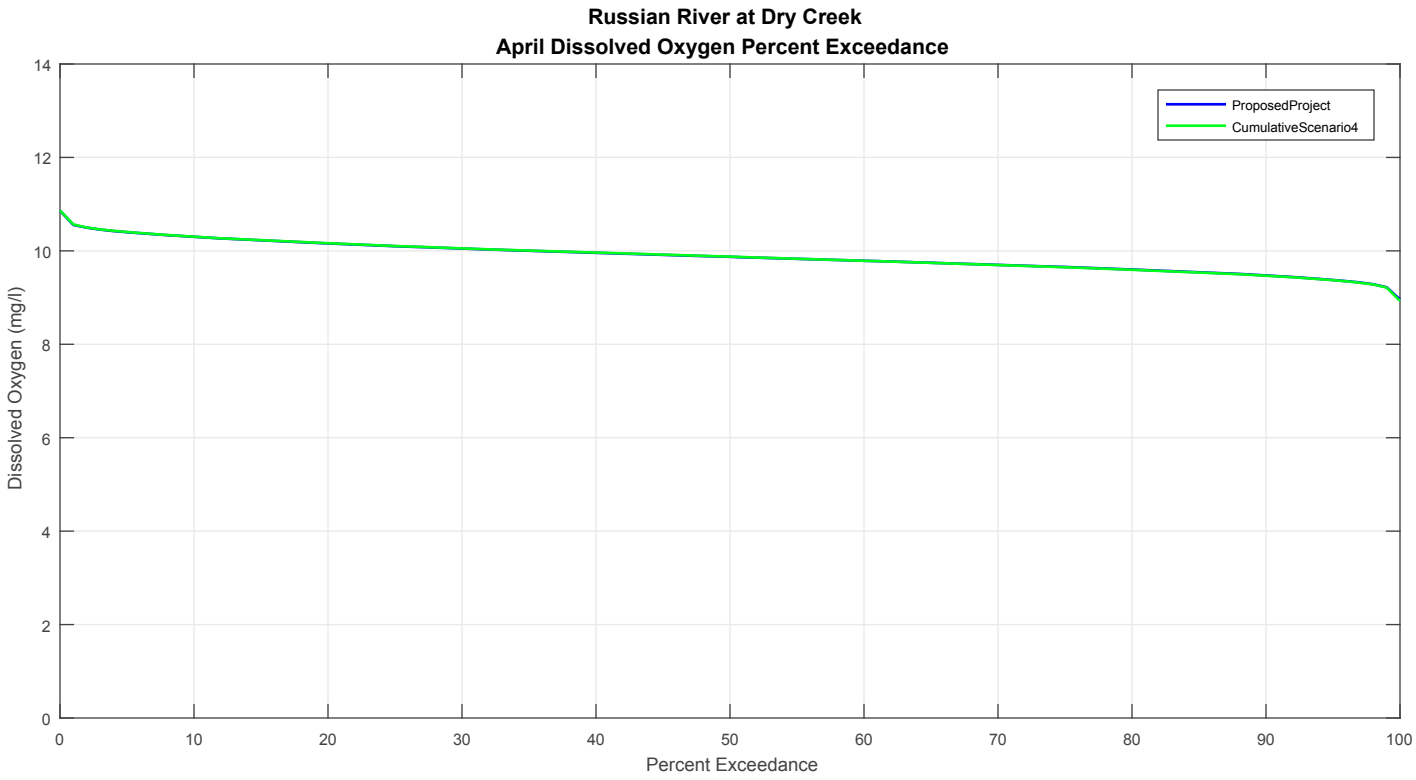
Russian River at Dry Creek
April Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
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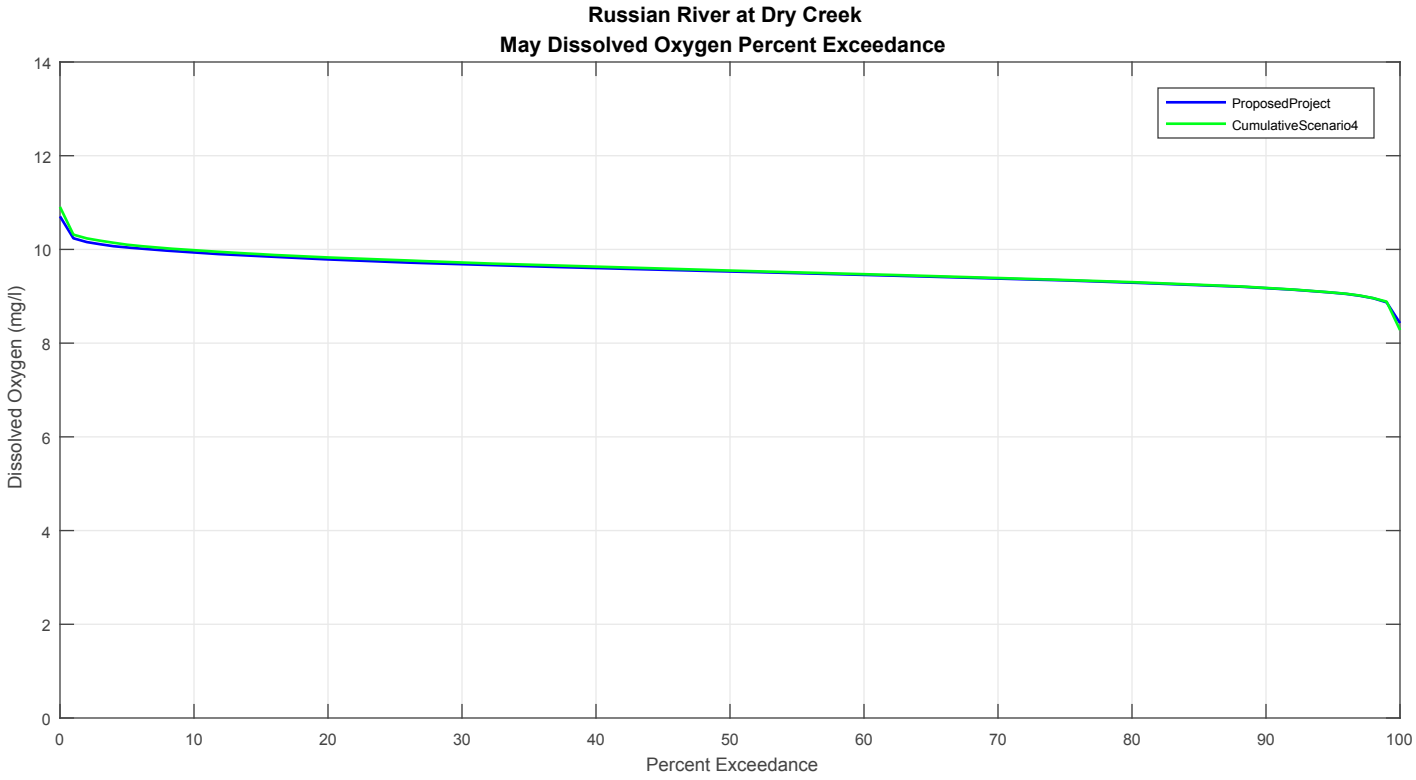
Russian River at Dry Creek
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Dissolved Oxygen (mg/l)
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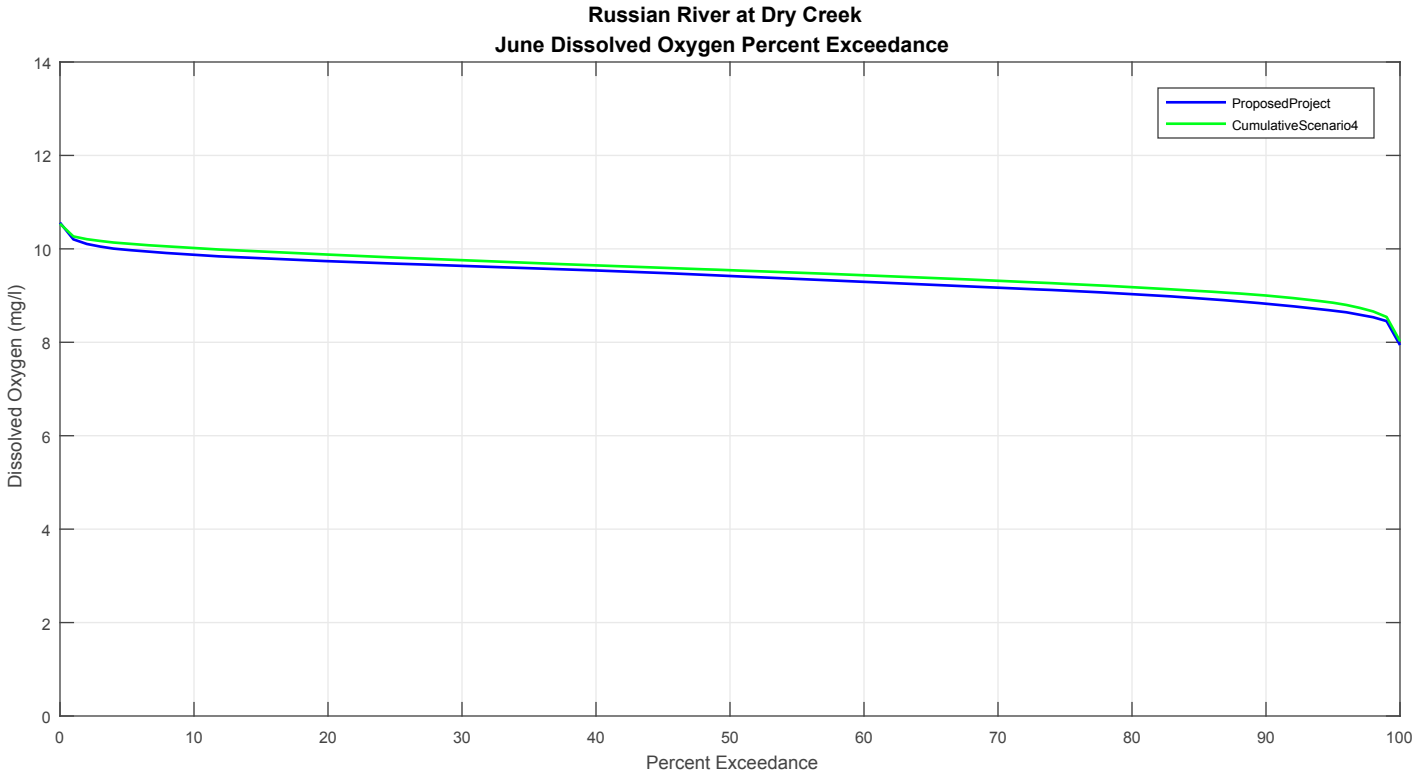
Russian River at Dry Creek
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ProposedProject
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Dissolved Oxygen (mg/l)
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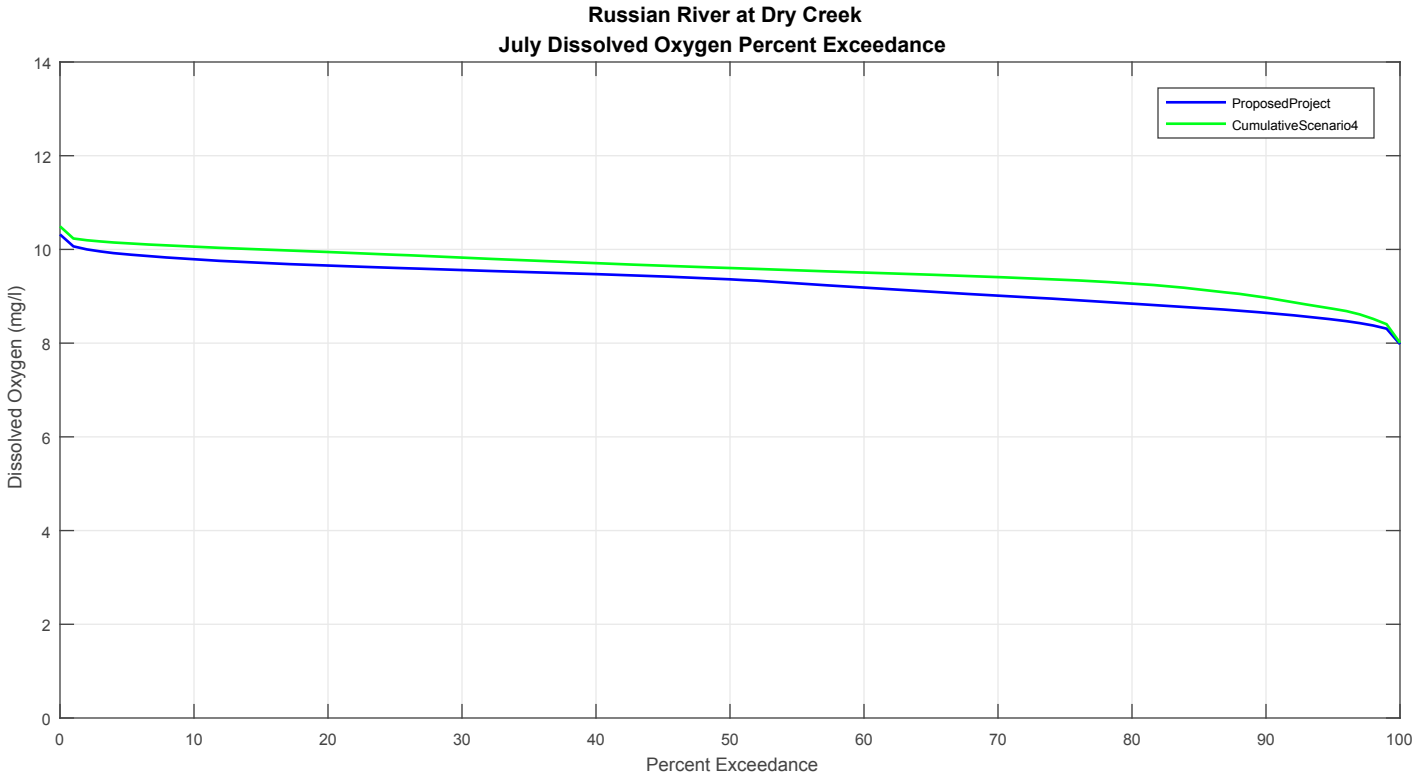
Russian River at Dry Creek
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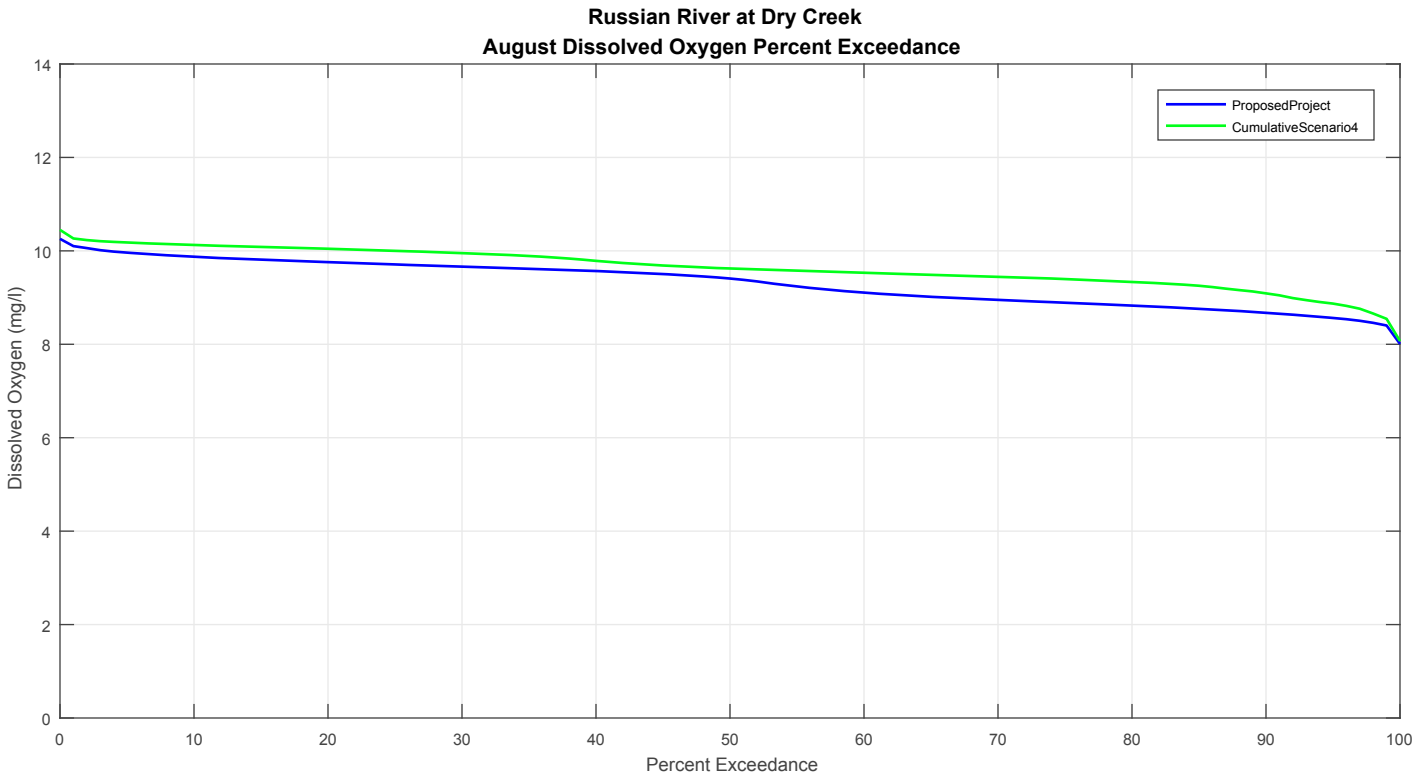
Russian River at Dry Creek
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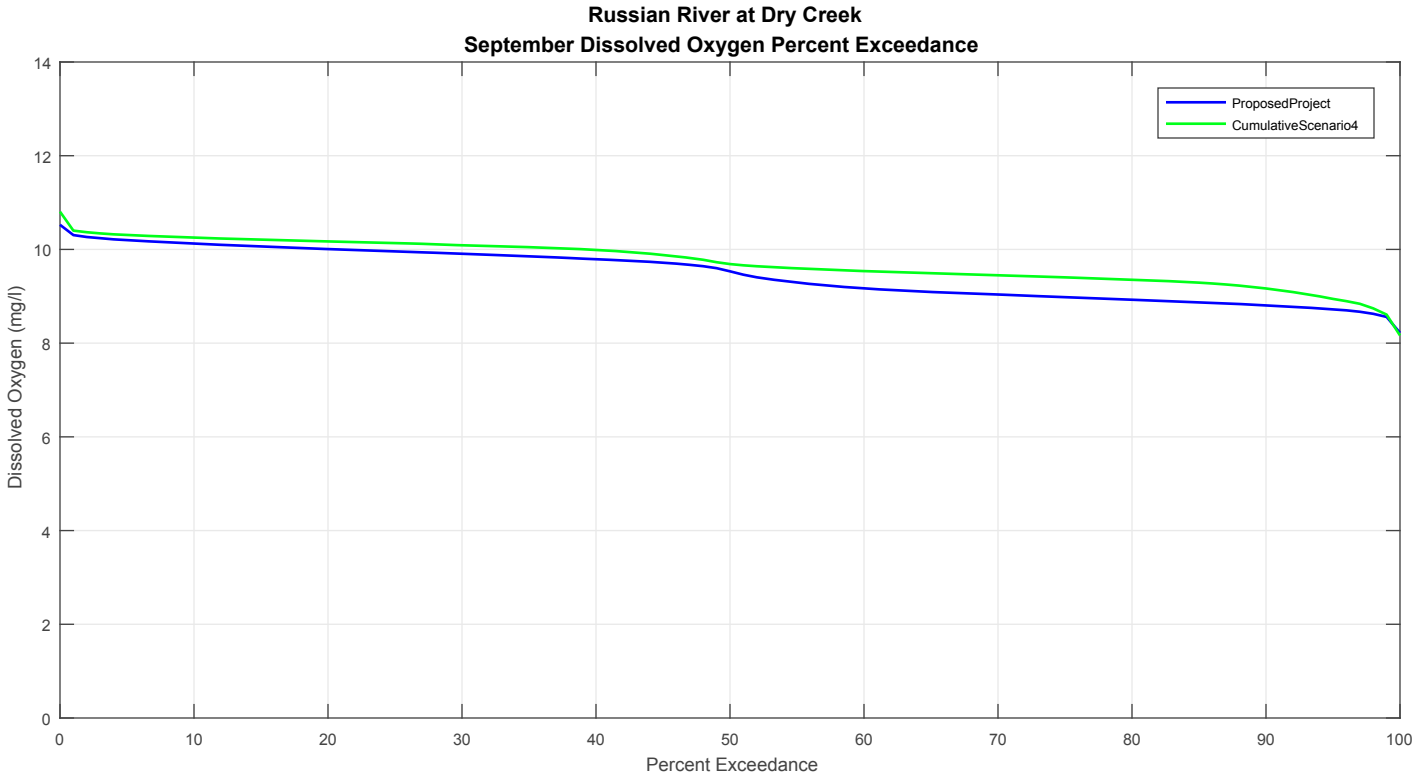
Russian River at Dry Creek
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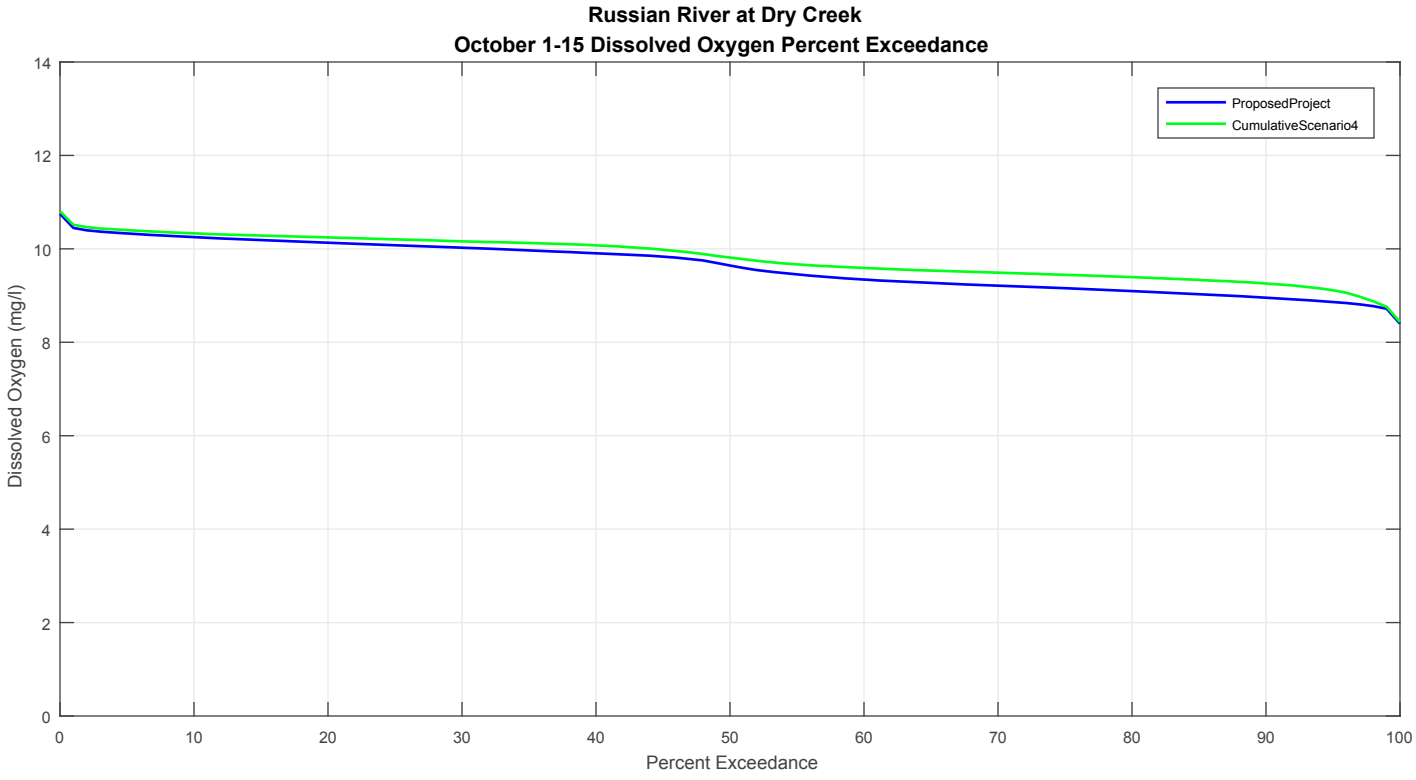
Russian River at Dry Creek
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
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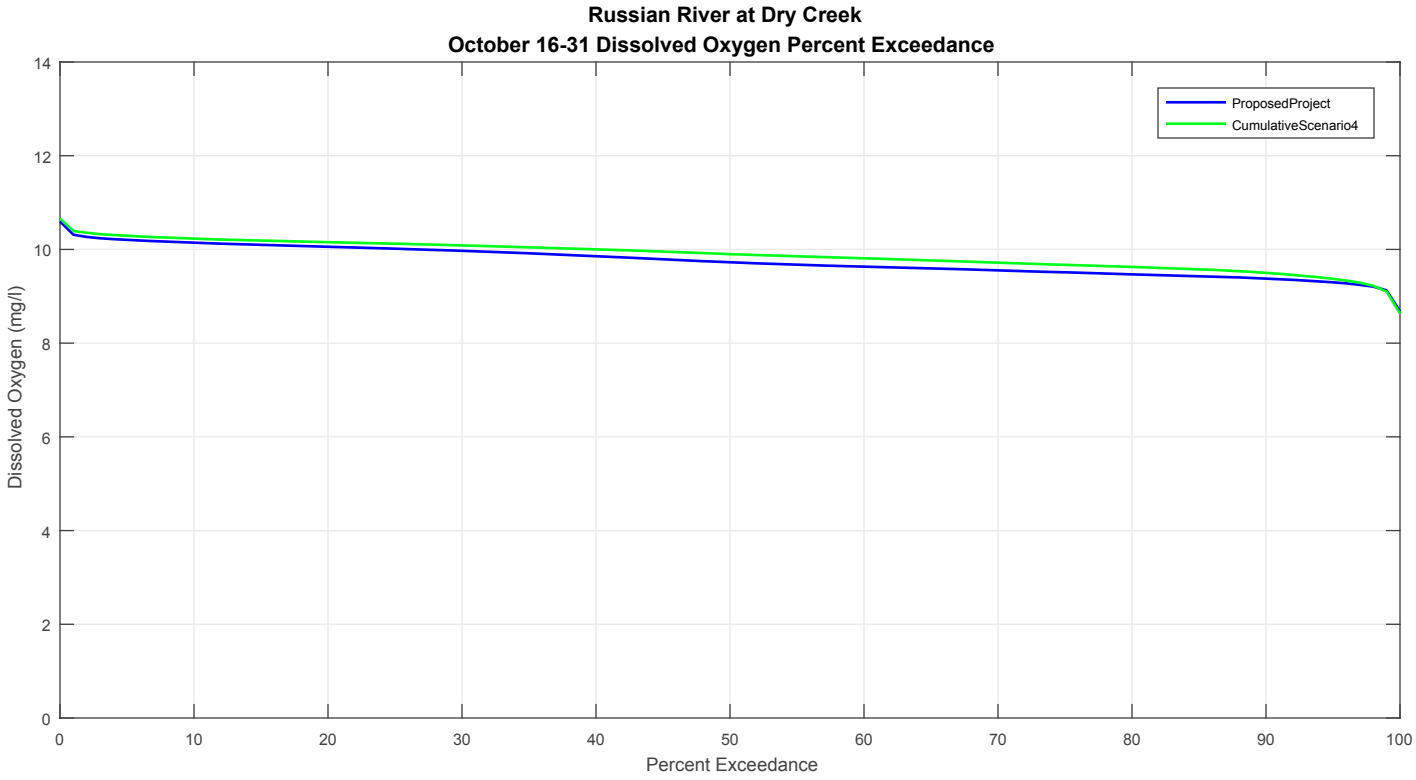
Russian River at Dry Creek
October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
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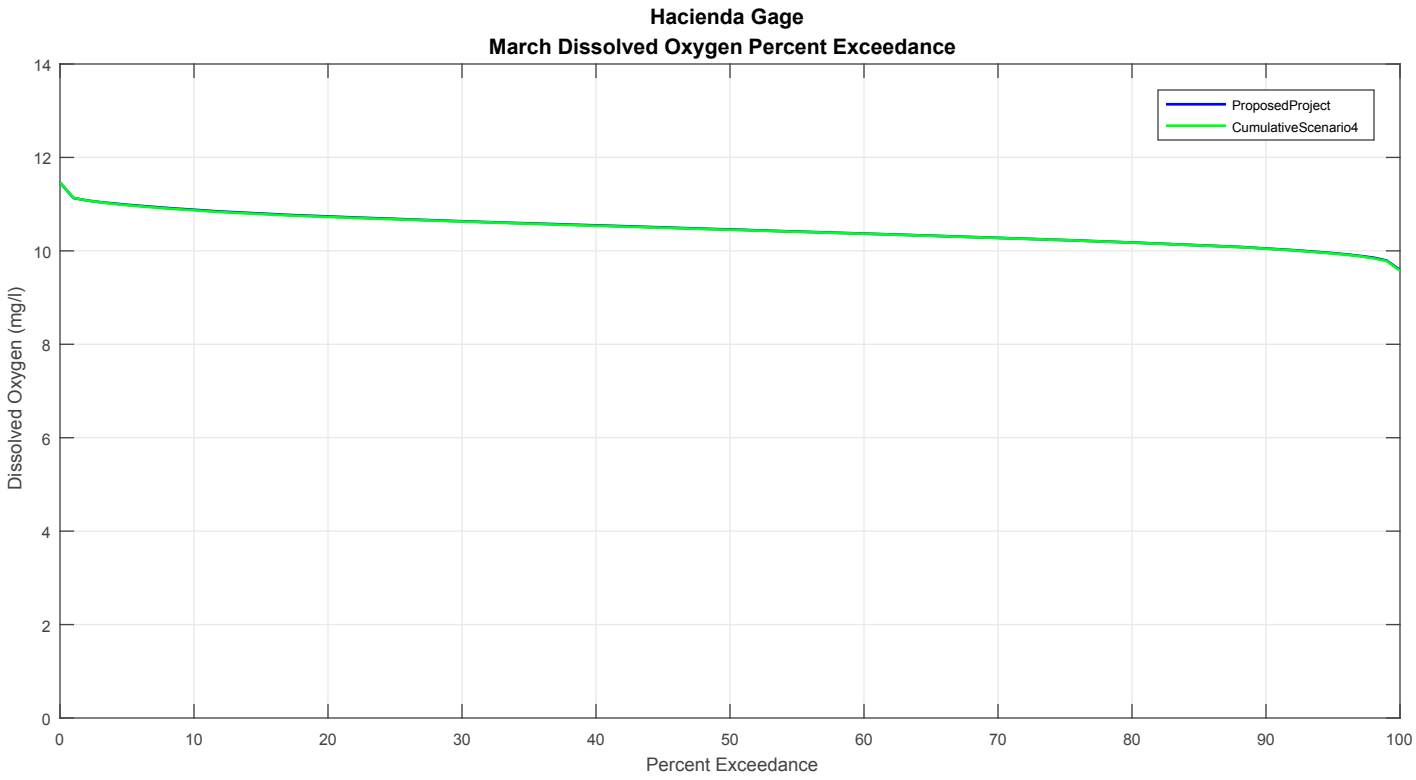
Hacienda Gage
March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
Percent Exceedance
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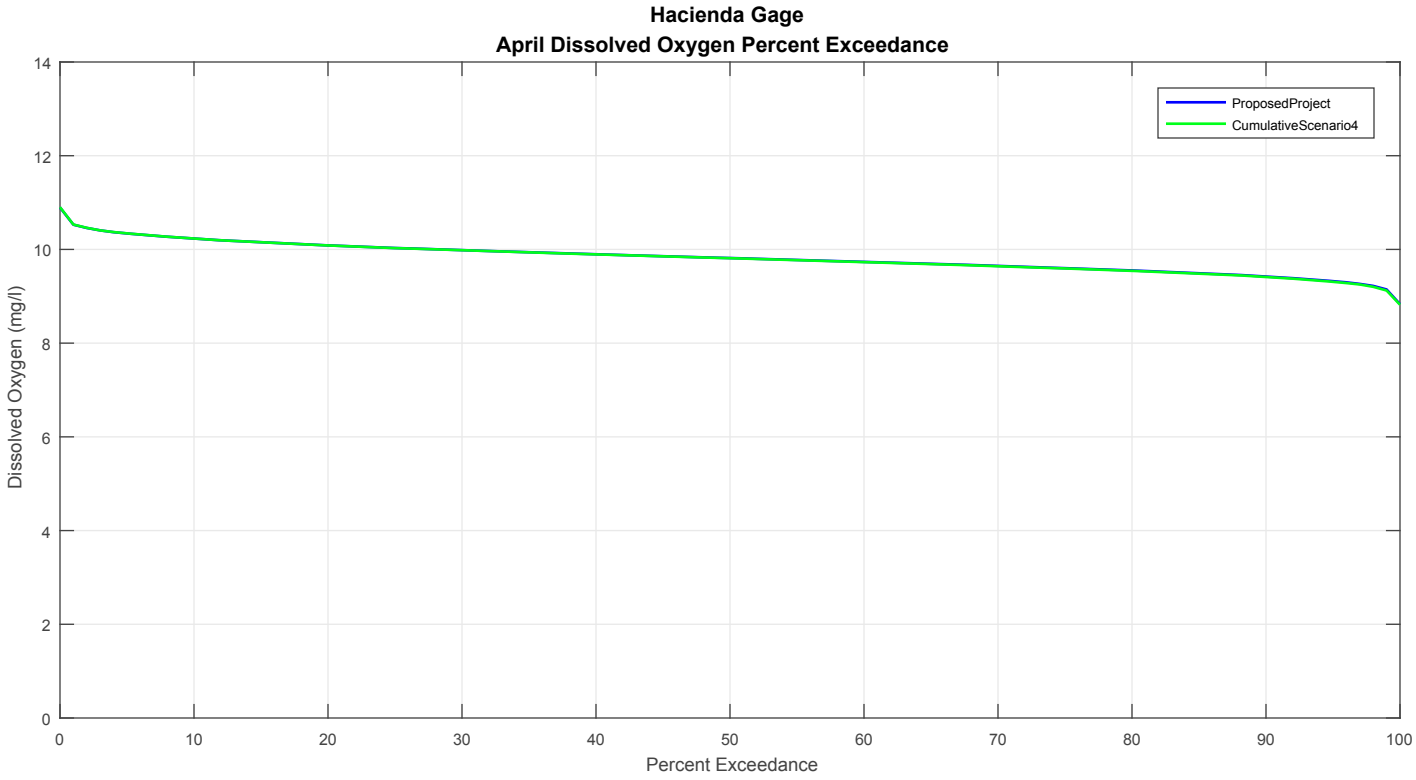
Hacienda Gage
April Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
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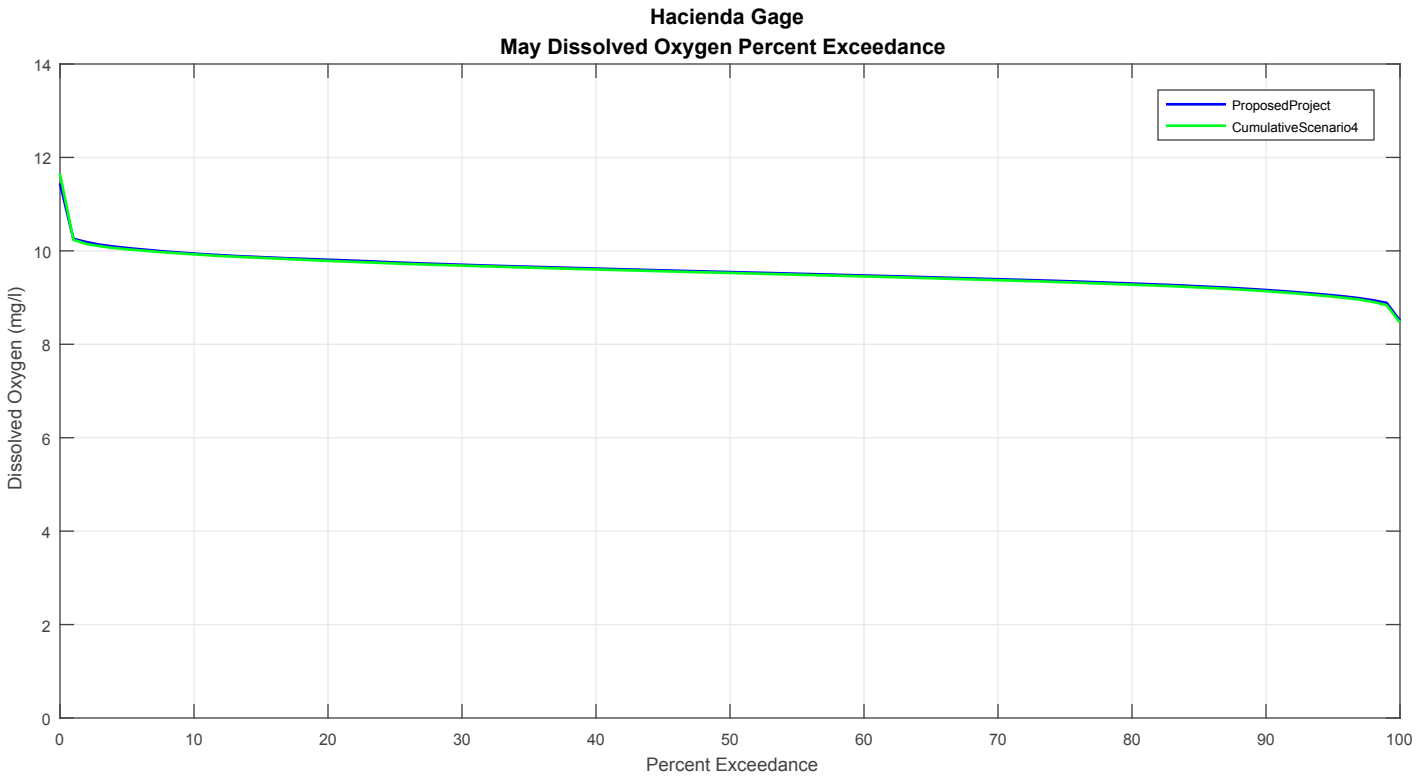
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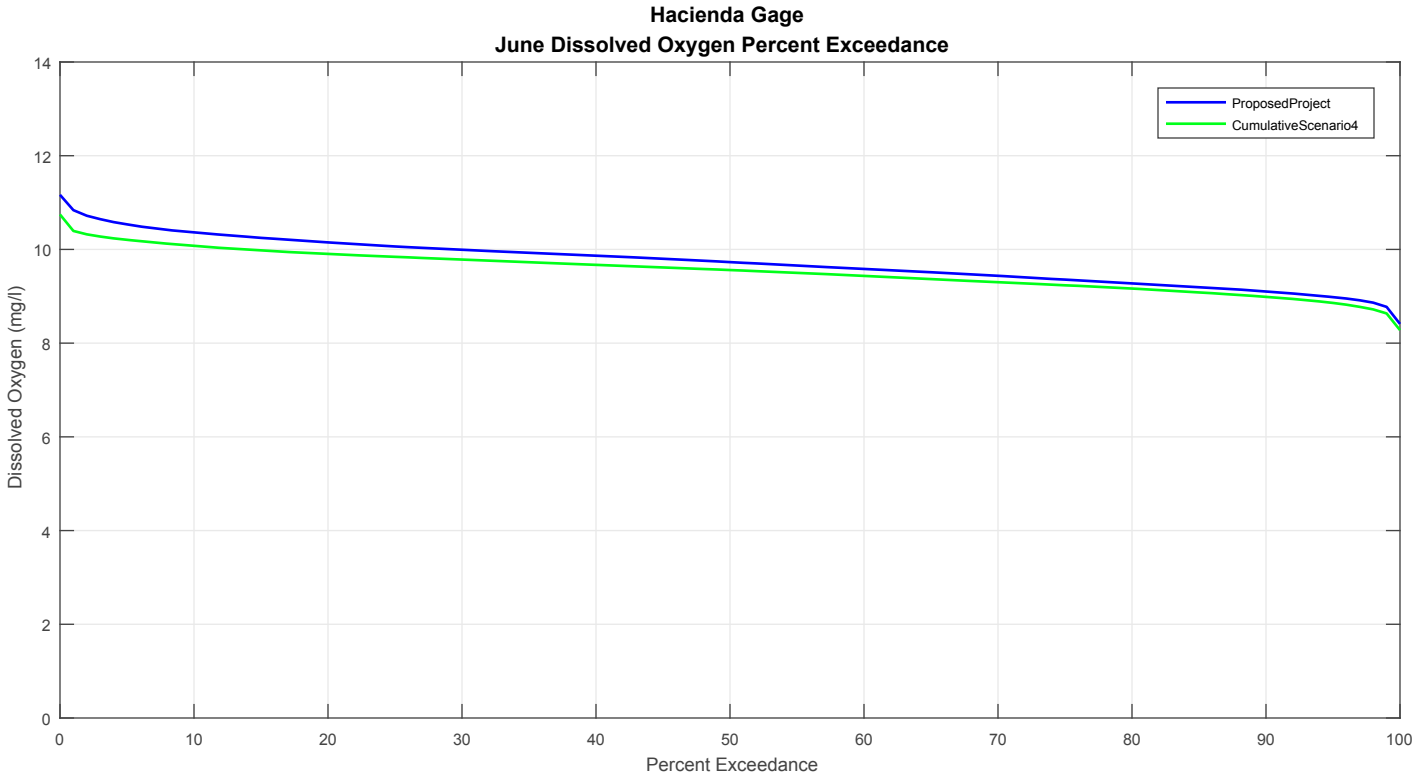
Hacienda Gage
June Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
Percent Exceedance
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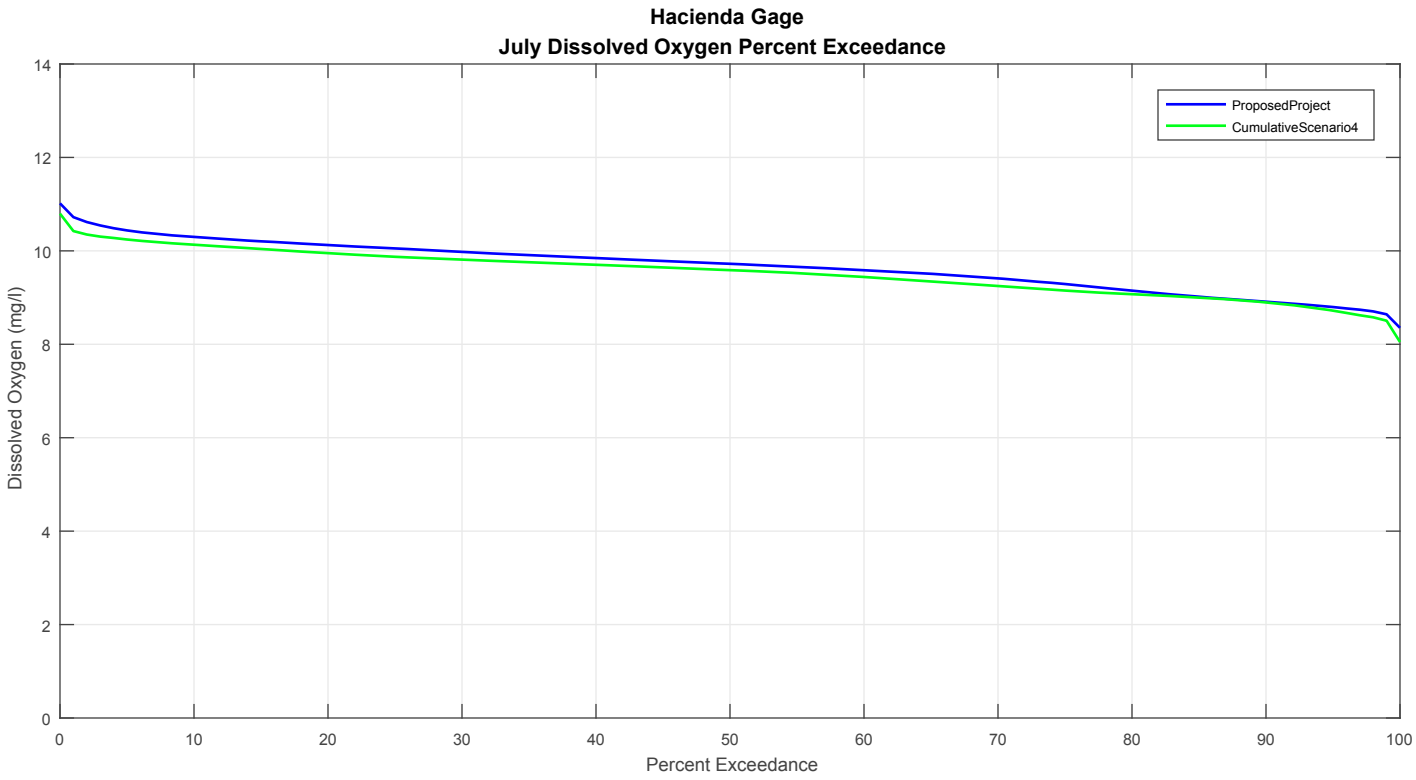
Hacienda Gage
July Dissolved Oxygen Percent Exceedance
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CumulativeScenario4
Dissolved Oxygen (mg/l)
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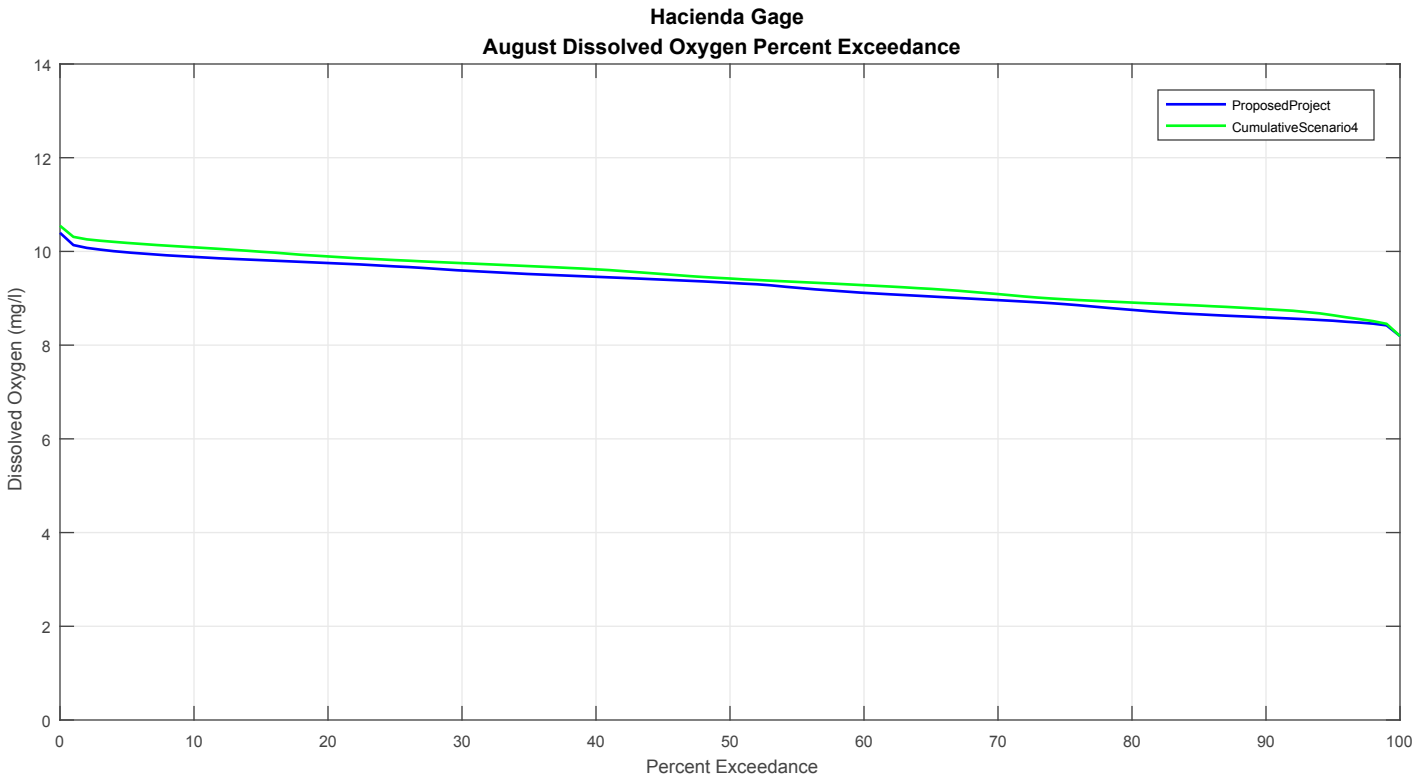
Hacienda Gage
August Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
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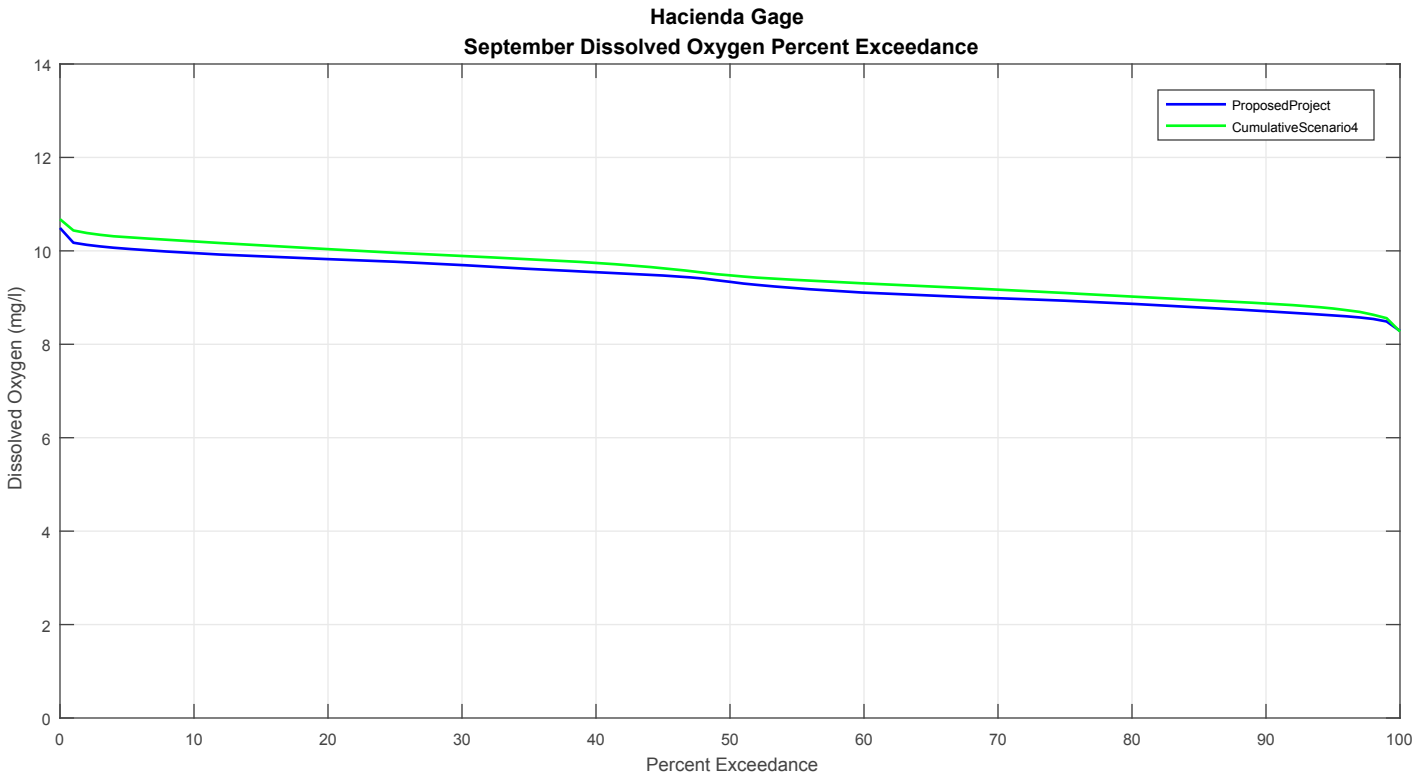
Hacienda Gage
September Dissolved Oxygen Percent Exceedance
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CumulativeScenario4
Dissolved Oxygen (mg/l)
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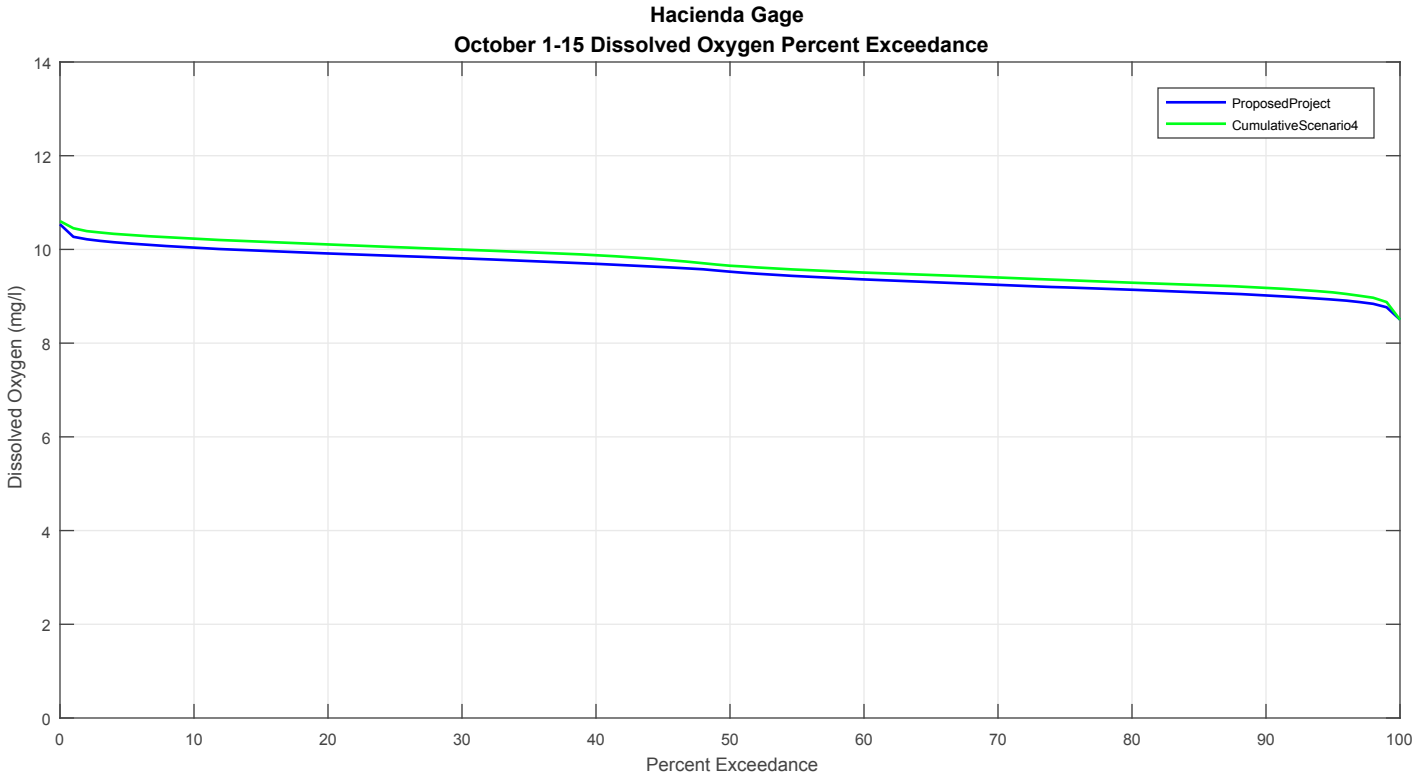
Hacienda Gage
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
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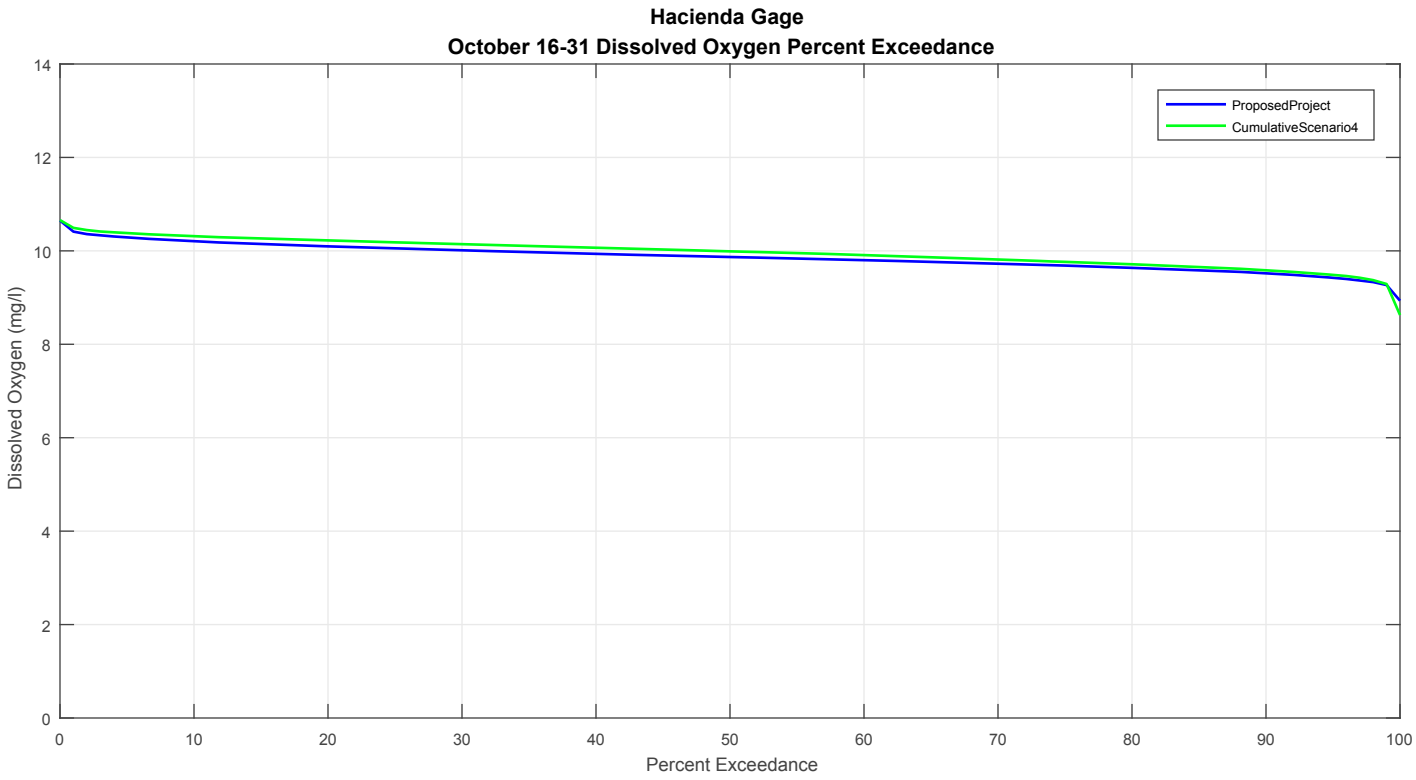
Hacienda Gage
October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
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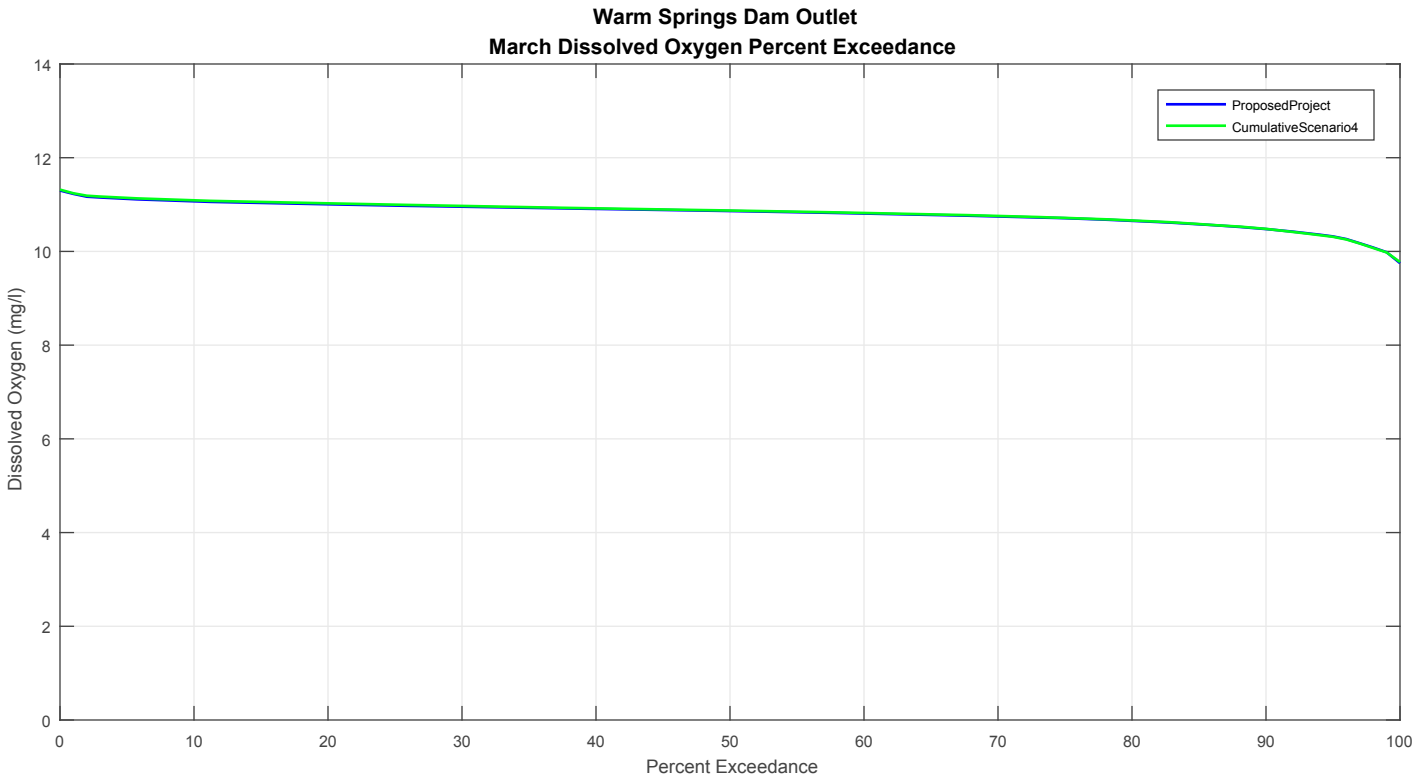
Warm Springs Dam Outlet
March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
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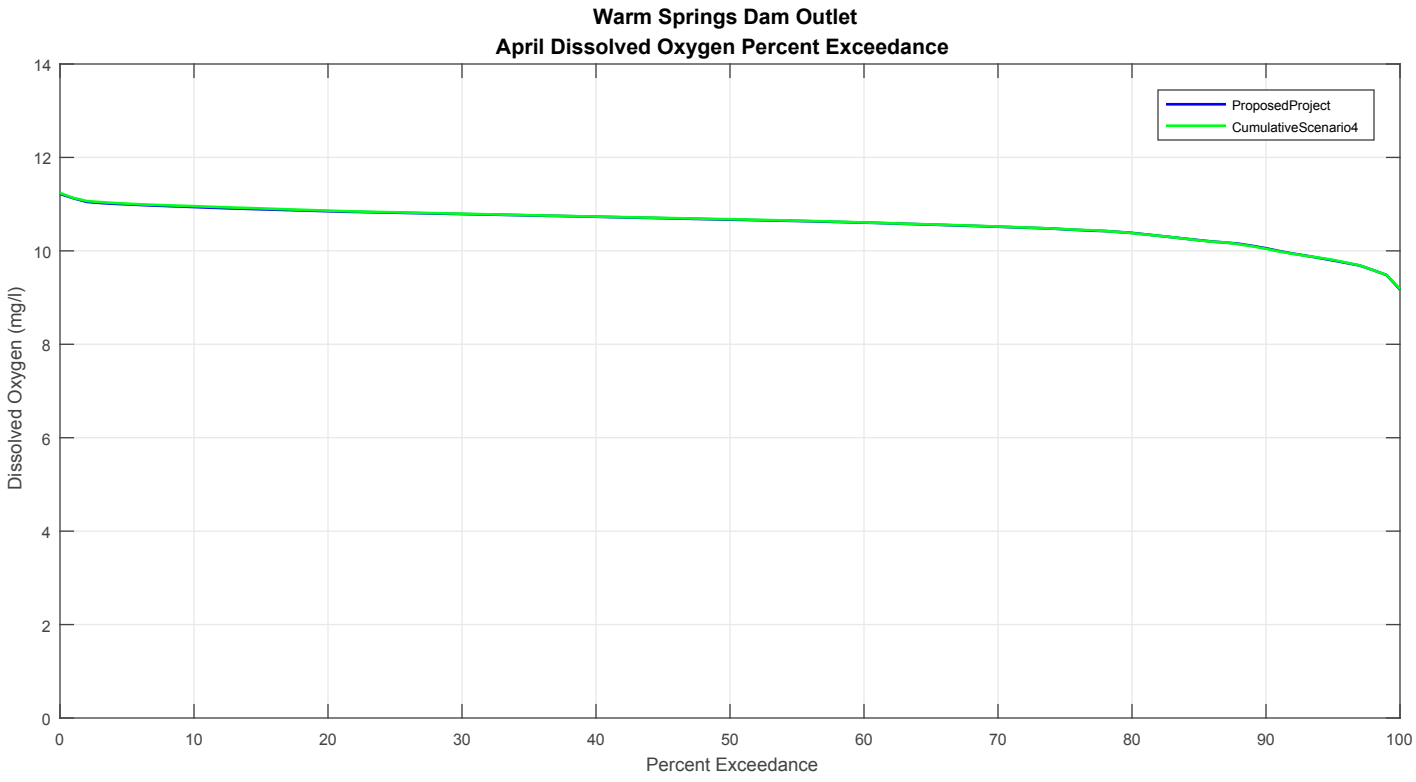
Warm Springs Dam Outlet
April Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
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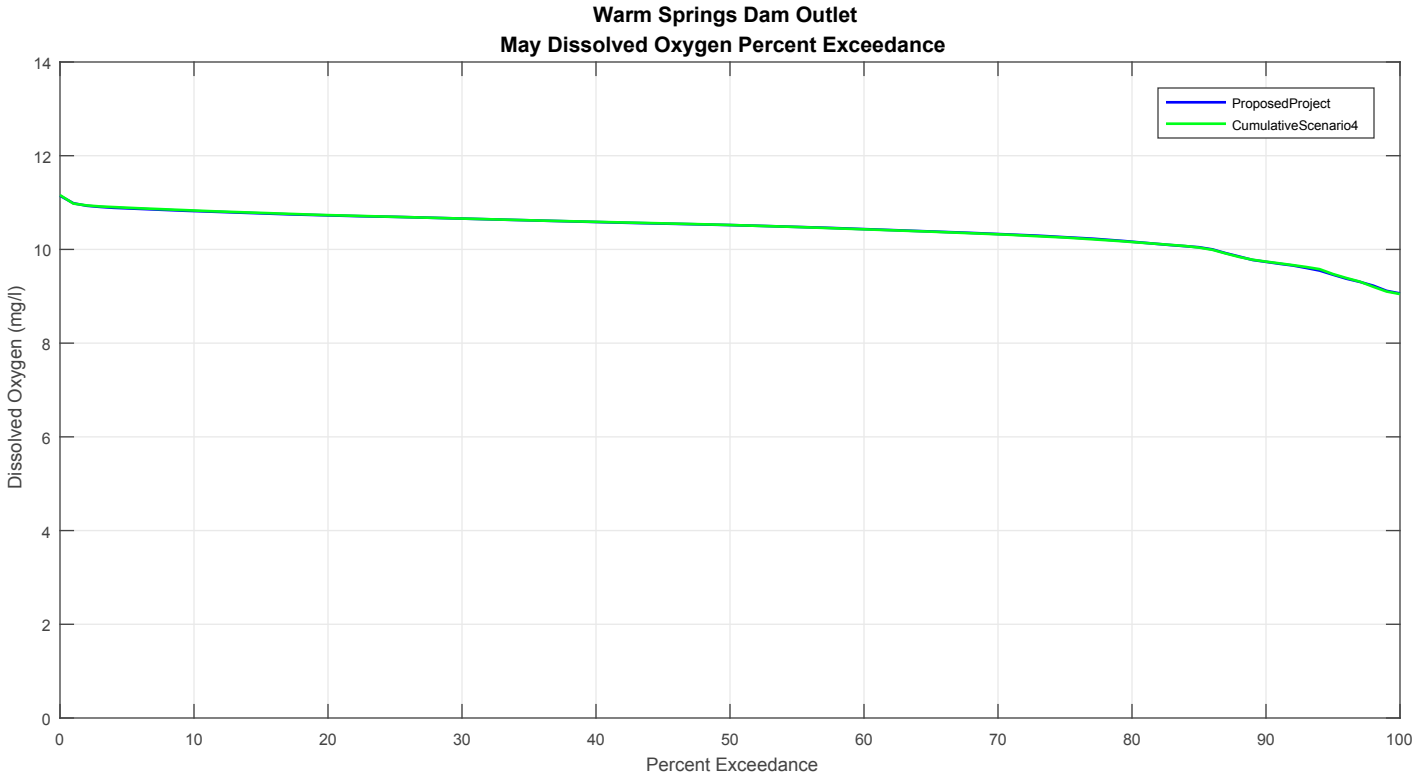
Warm Springs Dam Outlet
May Dissolved Oxygen Percent Exceedance
ProposedProject
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Dissolved Oxygen (mg/l)
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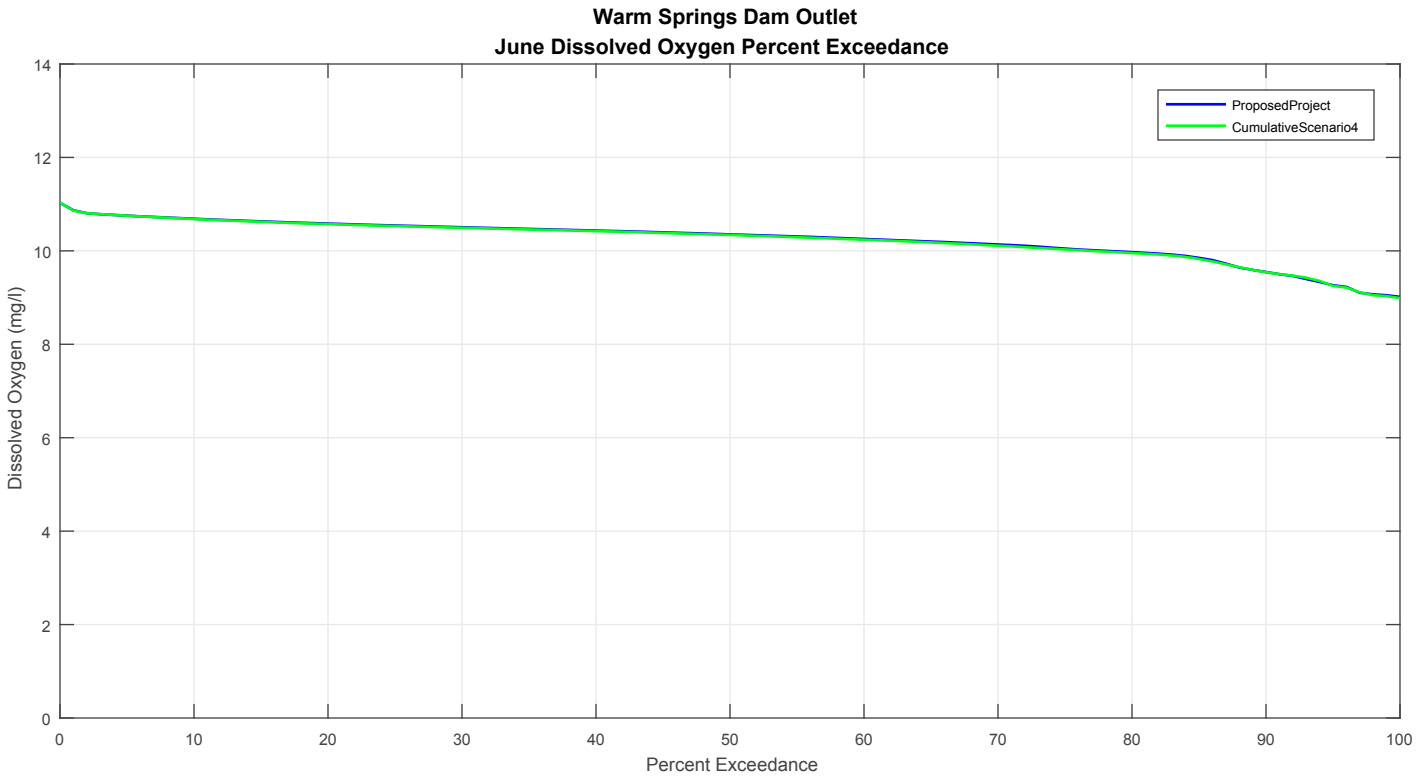
Warm Springs Dam Outlet
June Dissolved Oxygen Percent Exceedance
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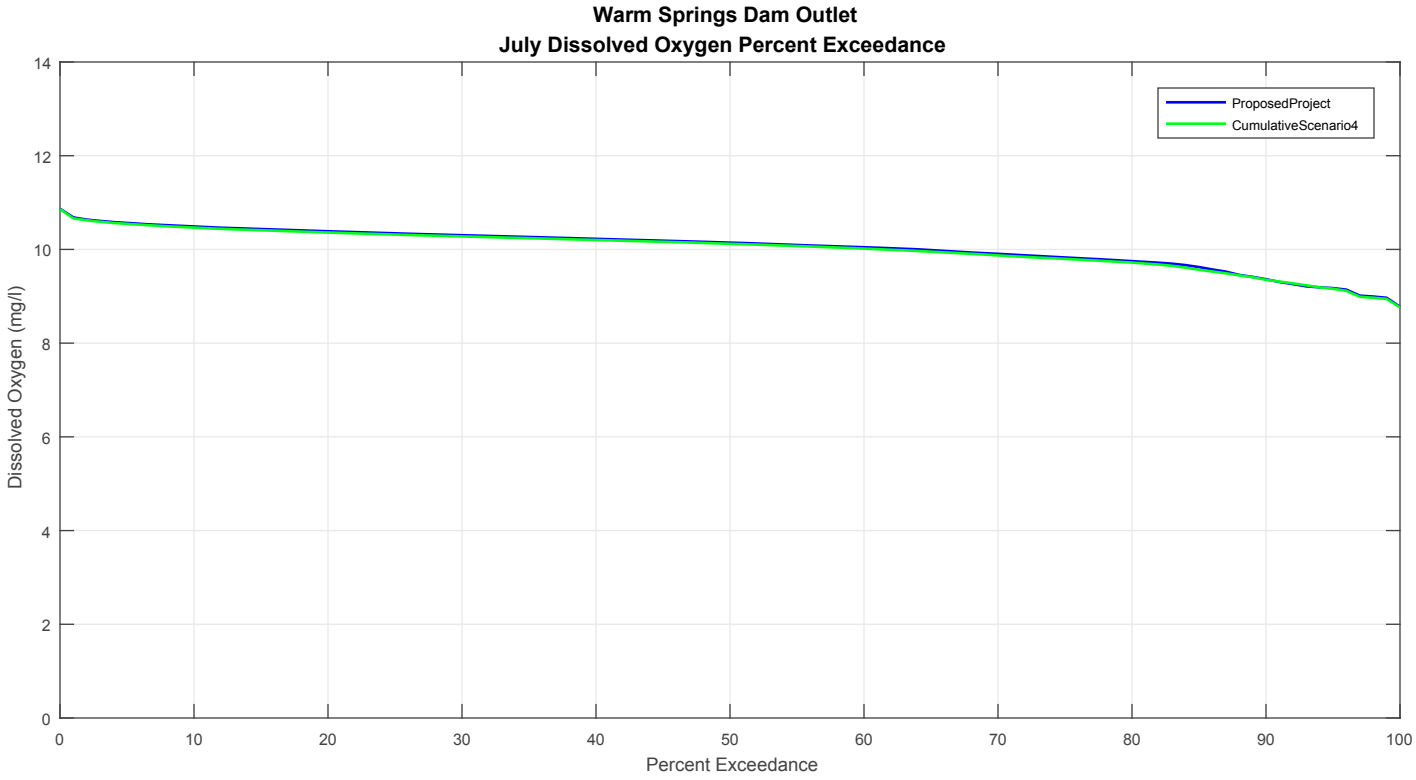
Warm Springs Dam Outlet
July Dissolved Oxygen Percent Exceedance
ProposedProject
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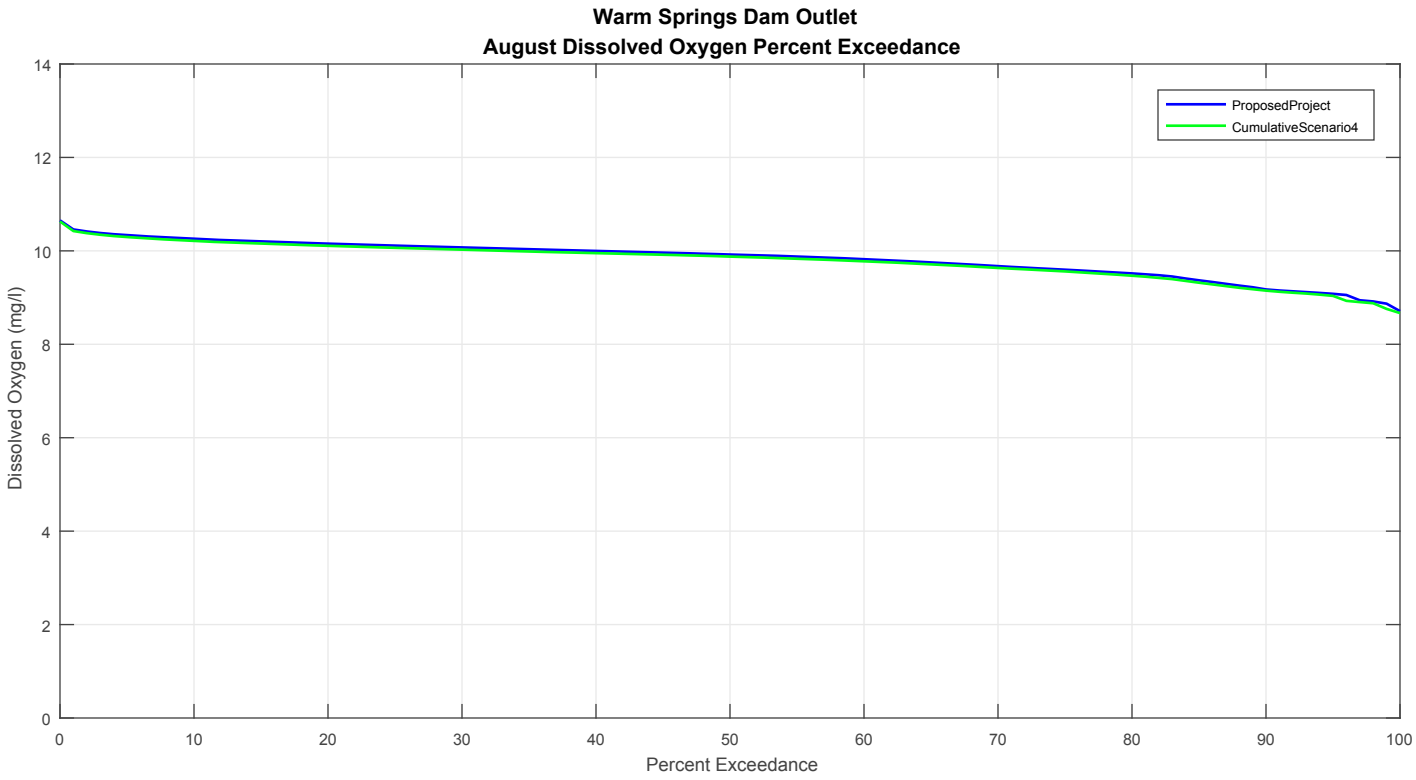
Warm Springs Dam Outlet
August Dissolved Oxygen Percent Exceedance
ProposedProject
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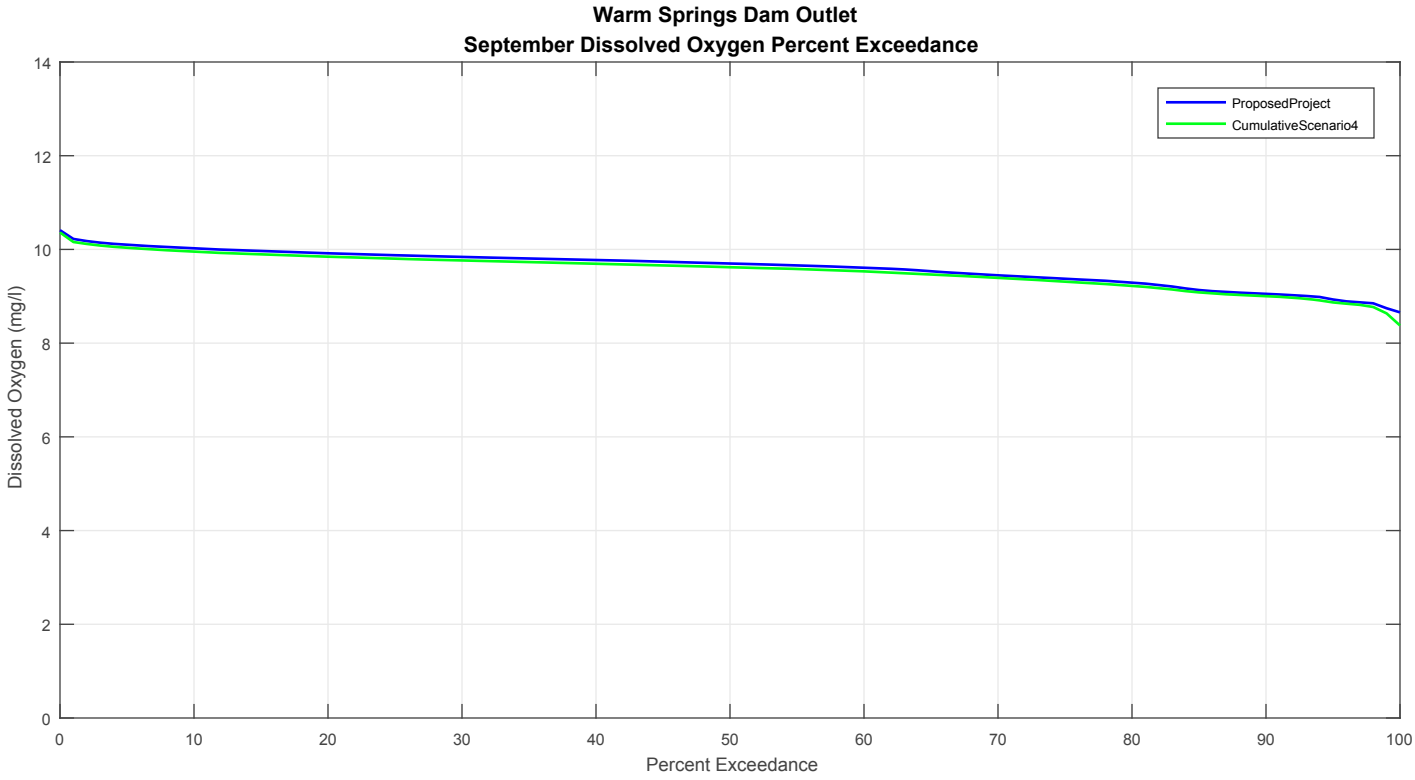
Warm Springs Dam Outlet
September Dissolved Oxygen Percent Exceedance
ProposedProject
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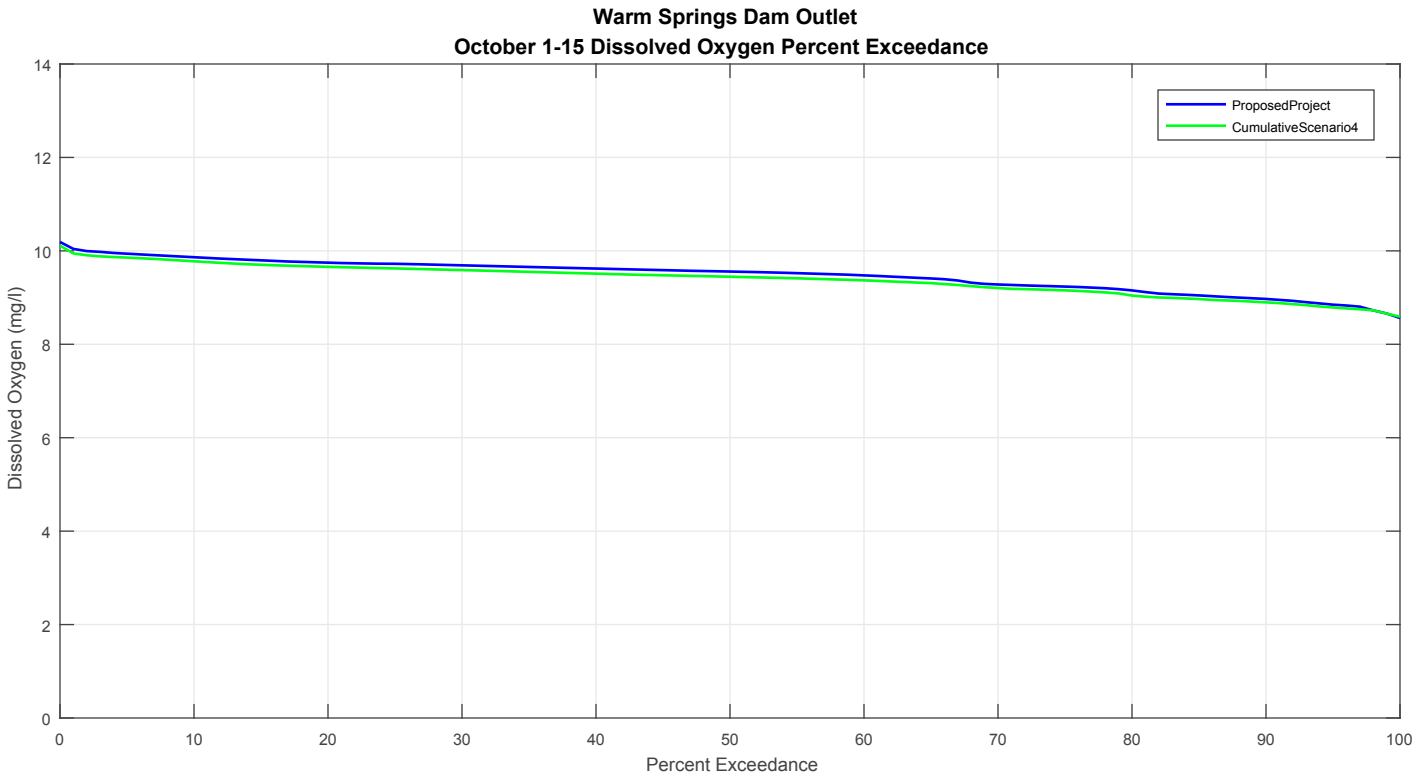
Warm Springs Dam Outlet
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
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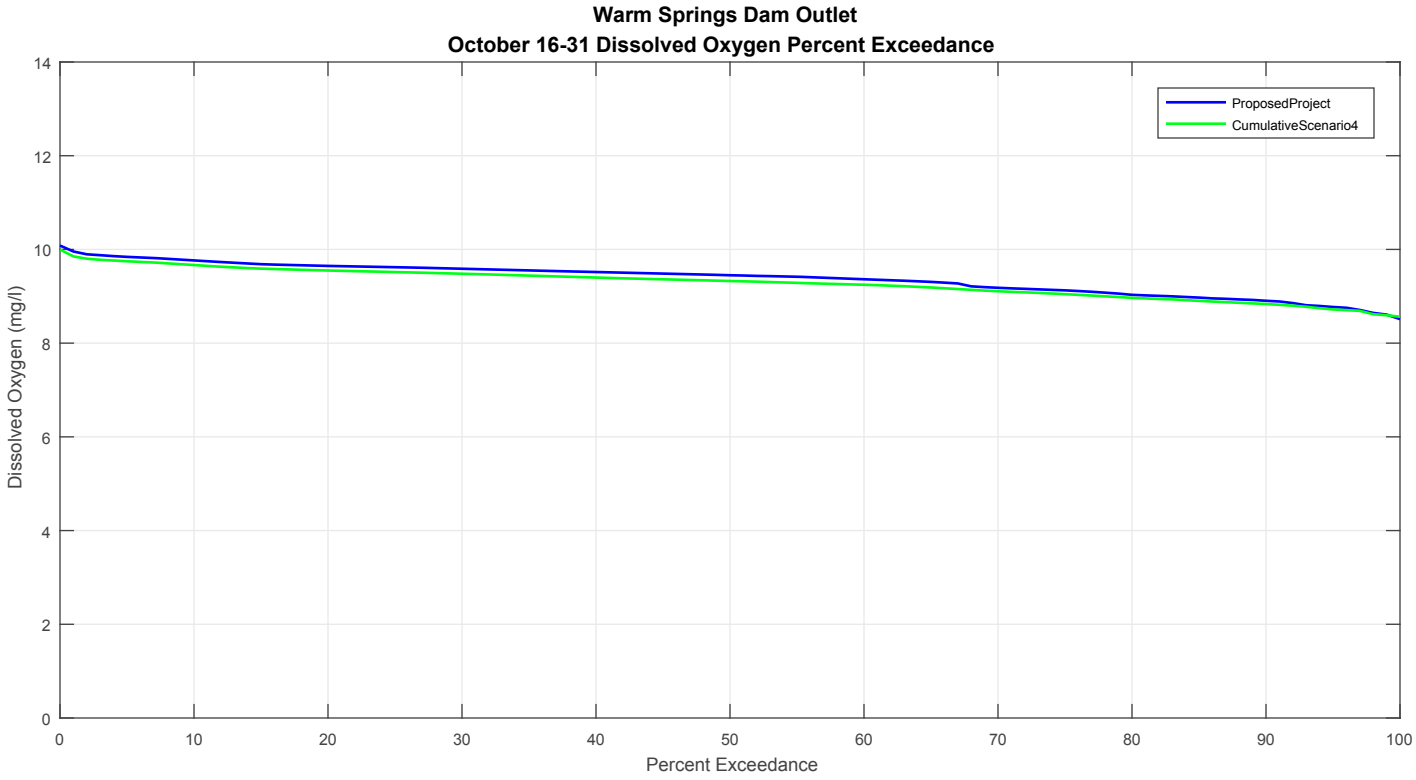
Warm Springs Dam Outlet
October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
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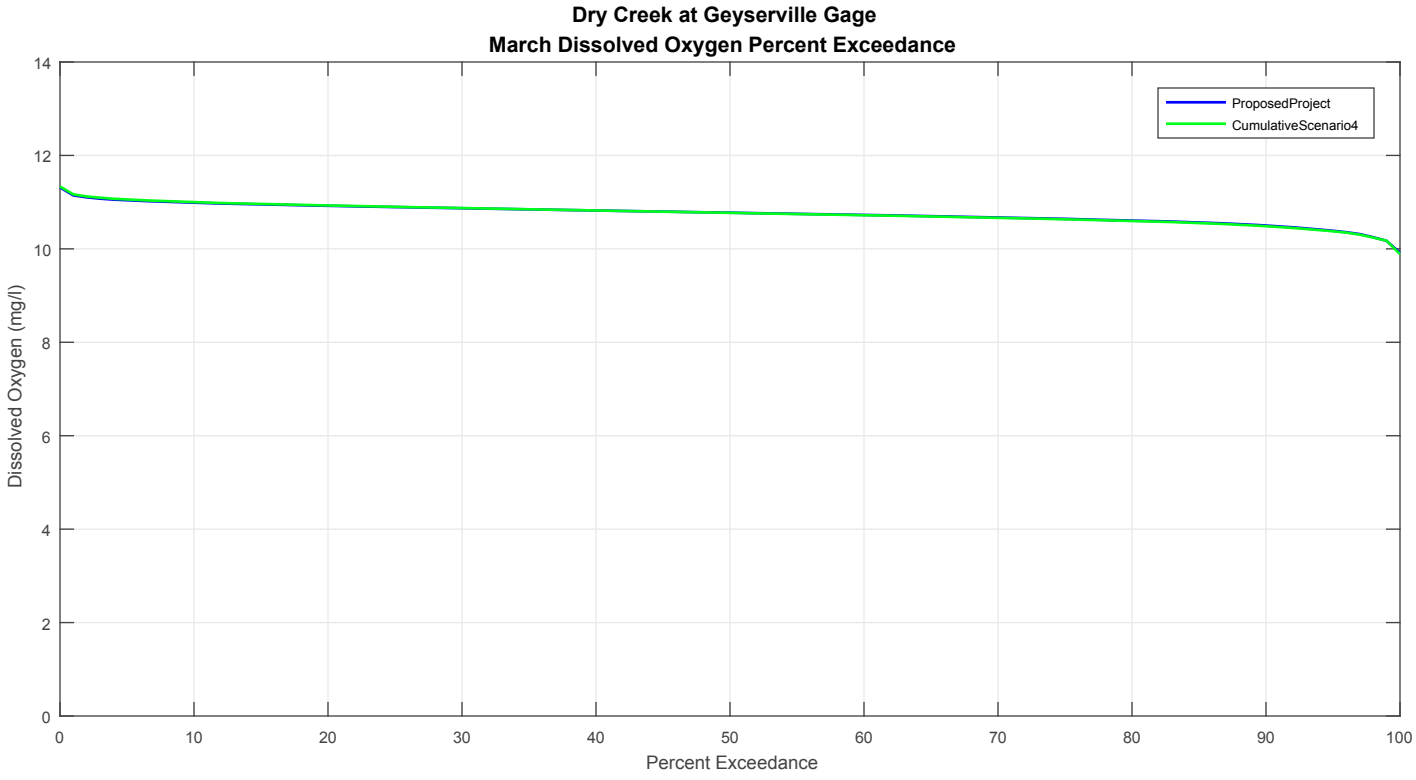
Dry Creek at Geyserville Gage
March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
Percent Exceedance
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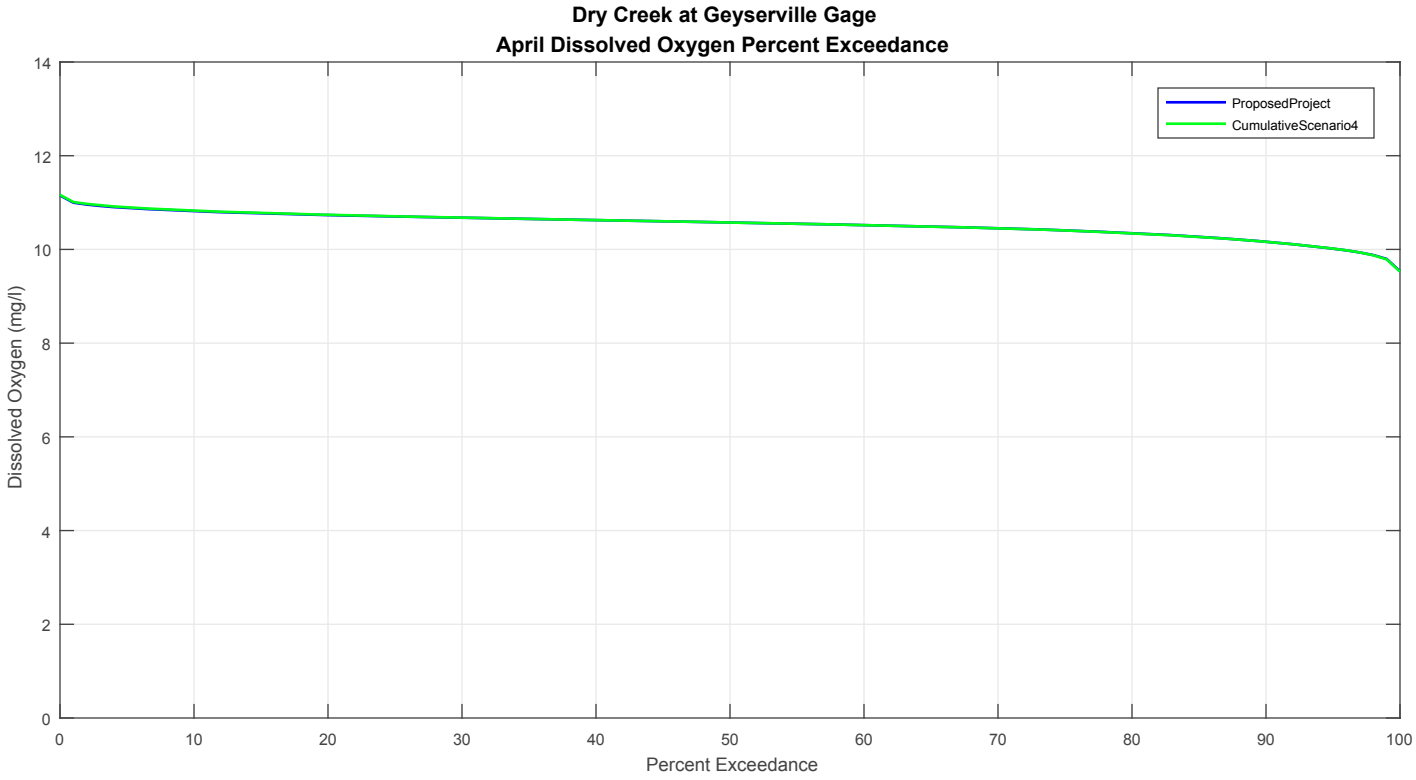
Dry Creek at Geyserville Gage
April Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
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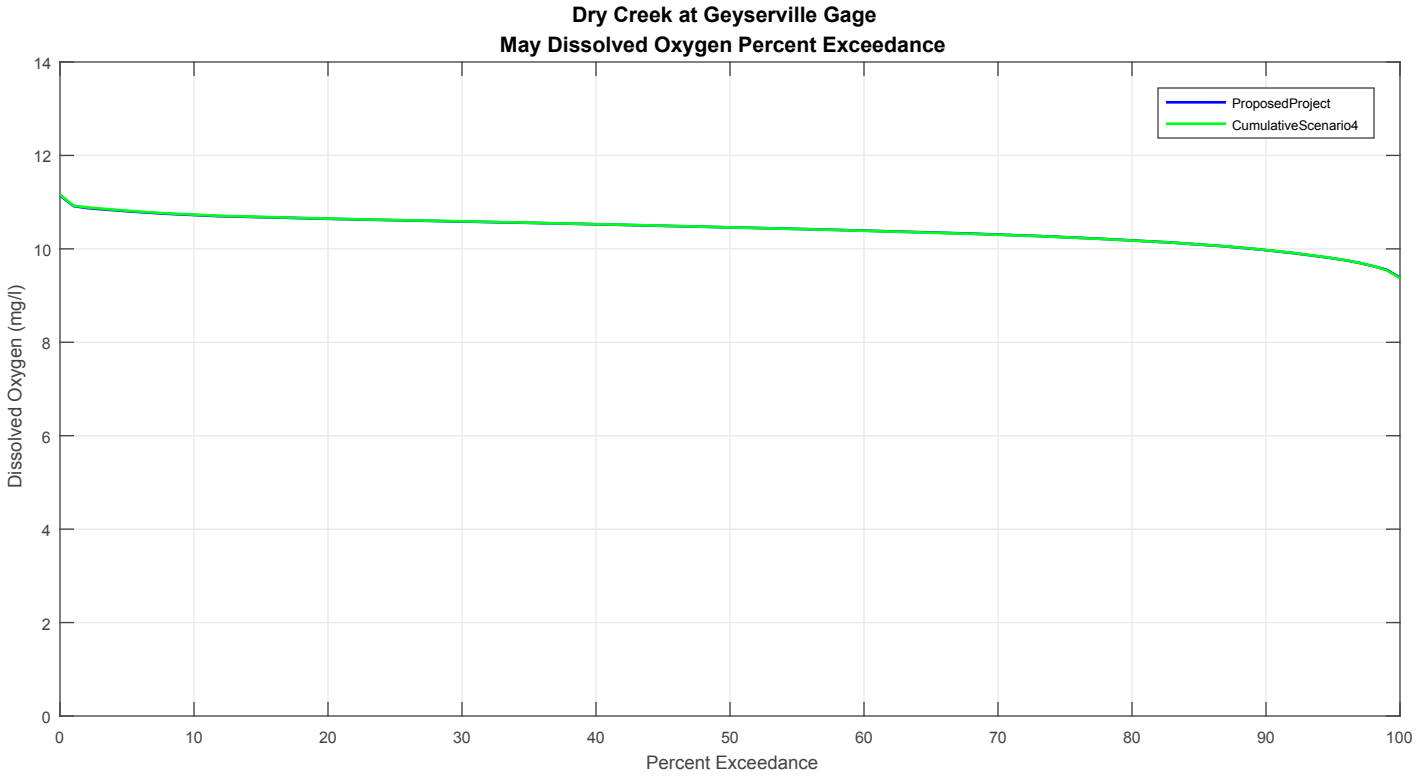
Dry Creek at Geyserville Gage
May Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
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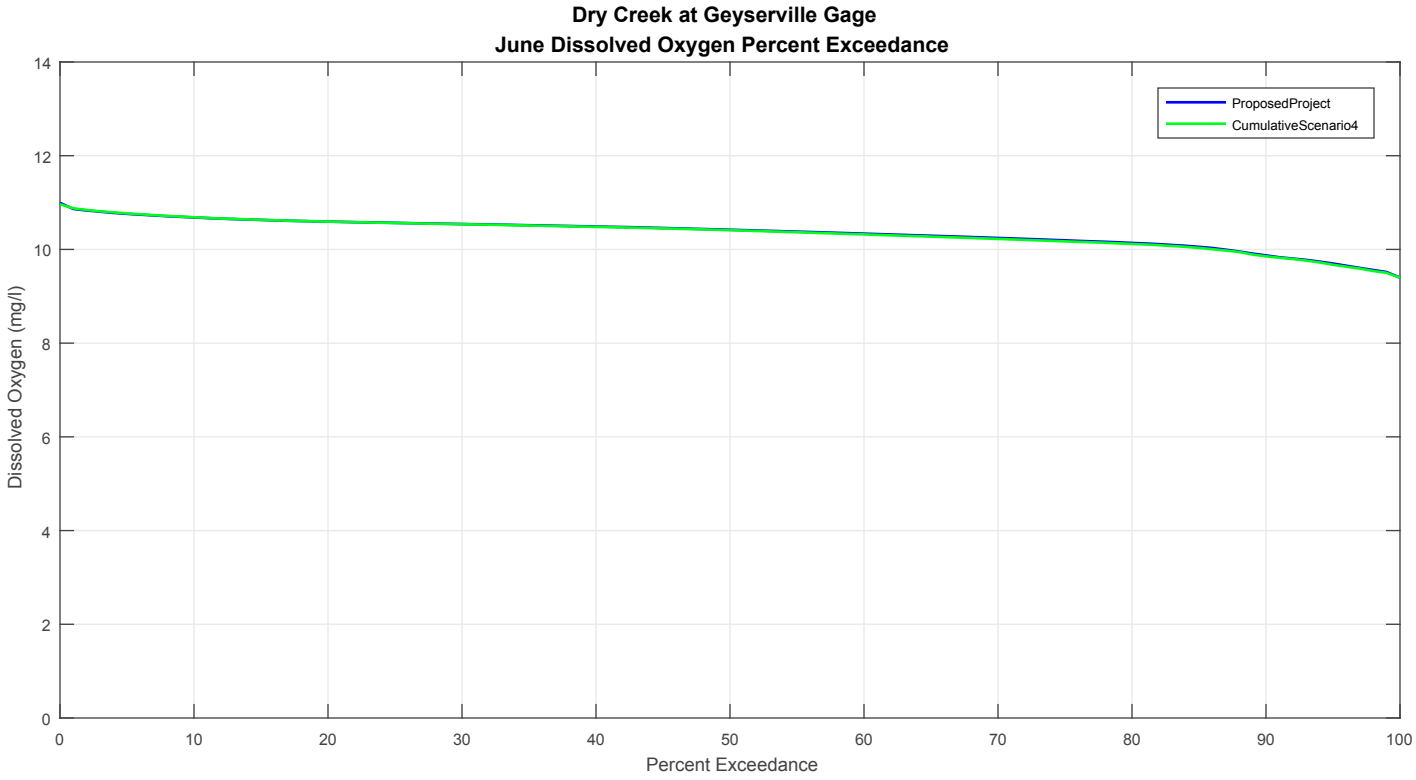
Dry Creek at Geyserville Gage
June Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
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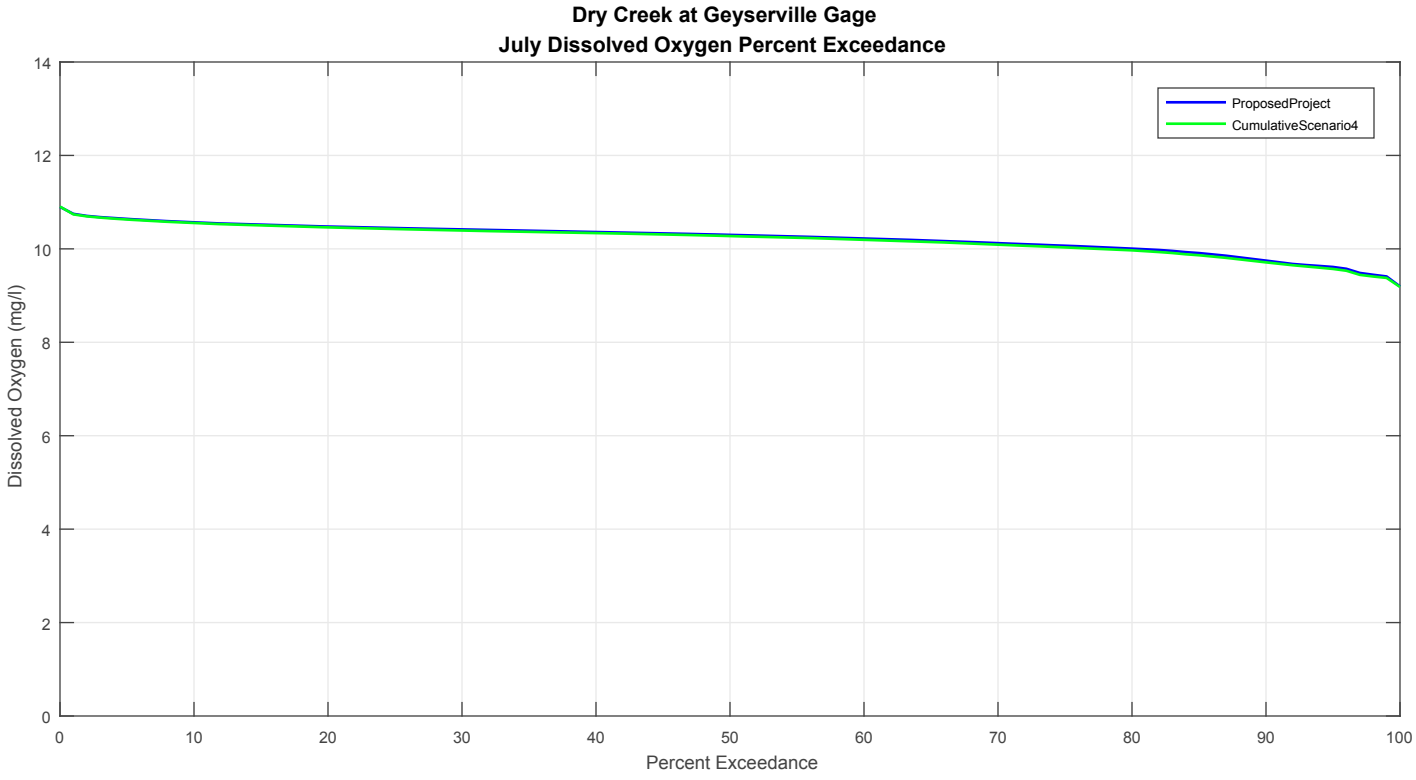
Dry Creek at Geyserville Gage
July Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
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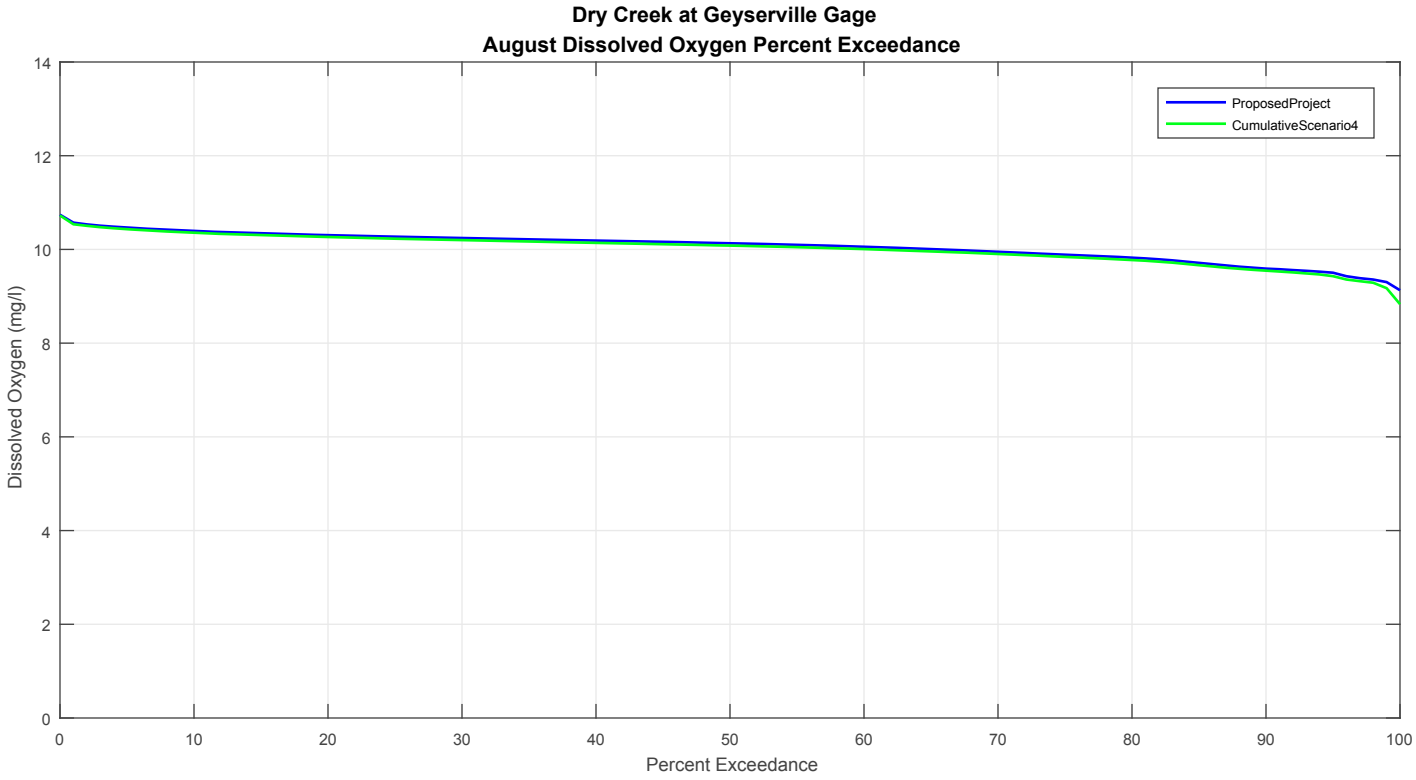
Dry Creek at Geyserville Gage
August Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
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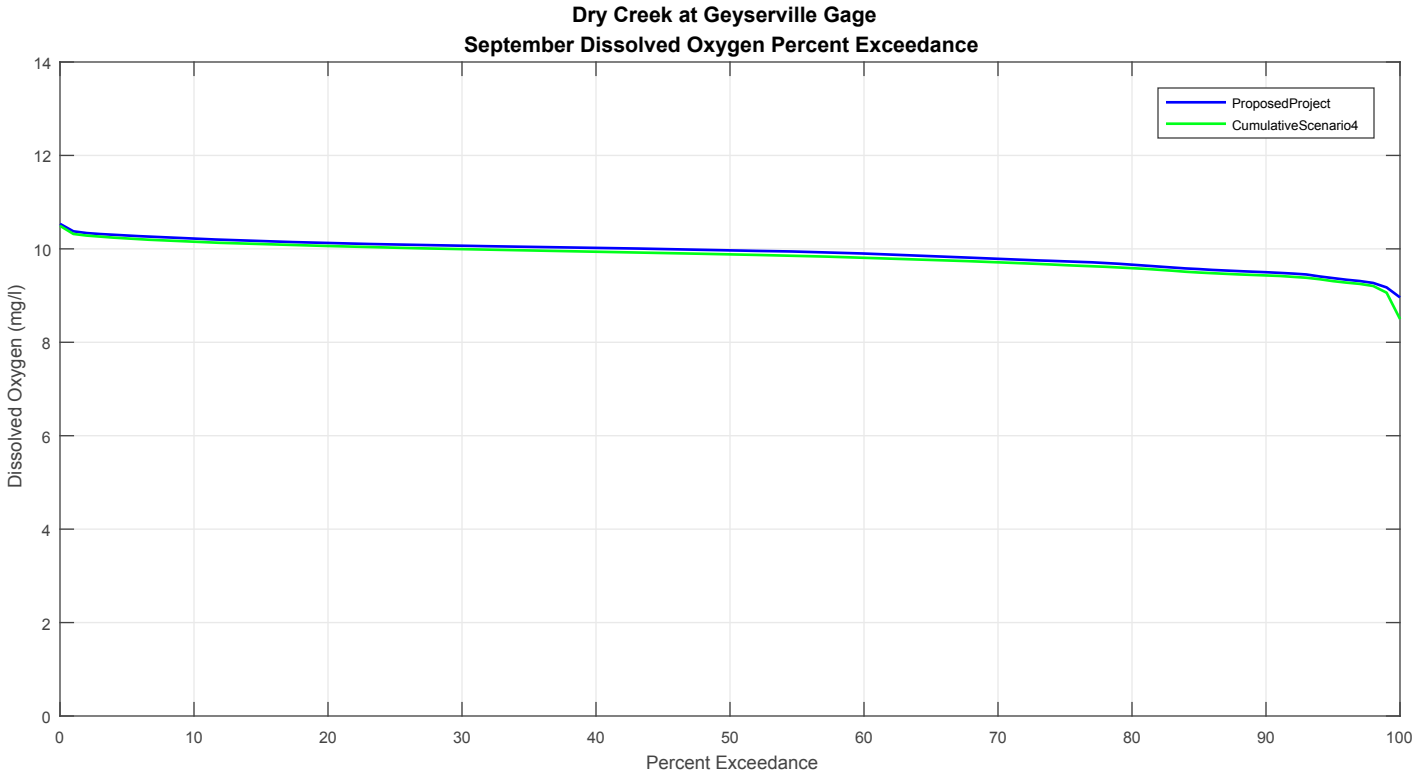
Dry Creek at Geyserville Gage
September Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
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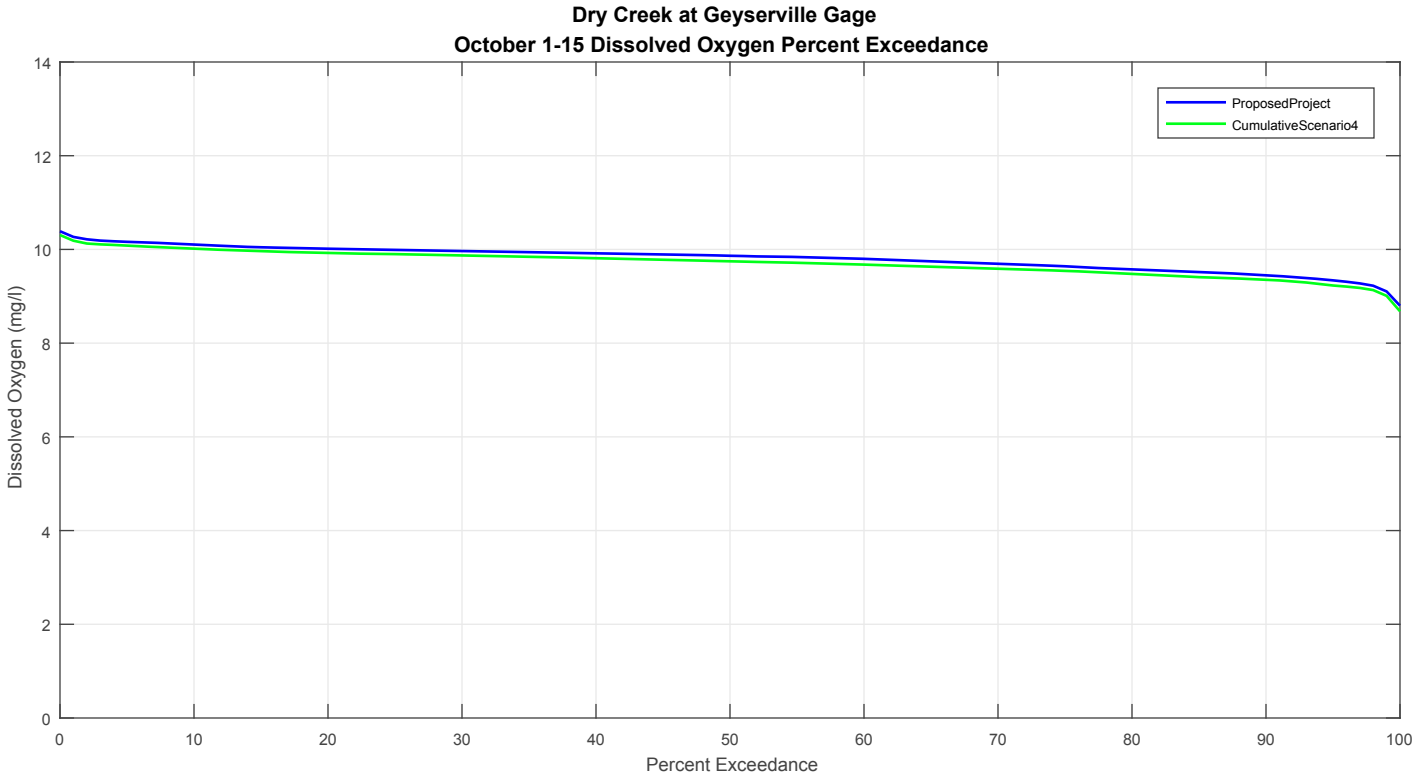
Dry Creek at Geyserville Gage
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
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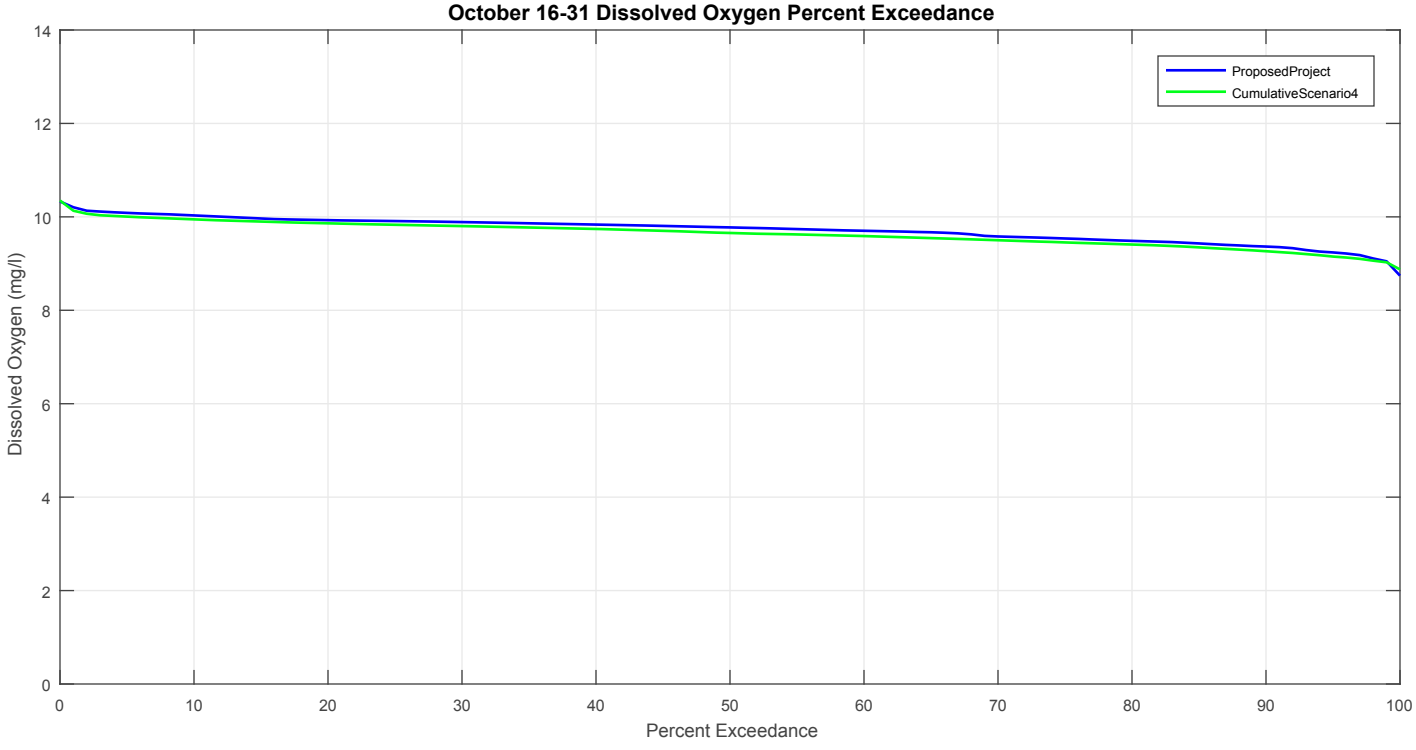
Dry Creek at Geyserville Gage
October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
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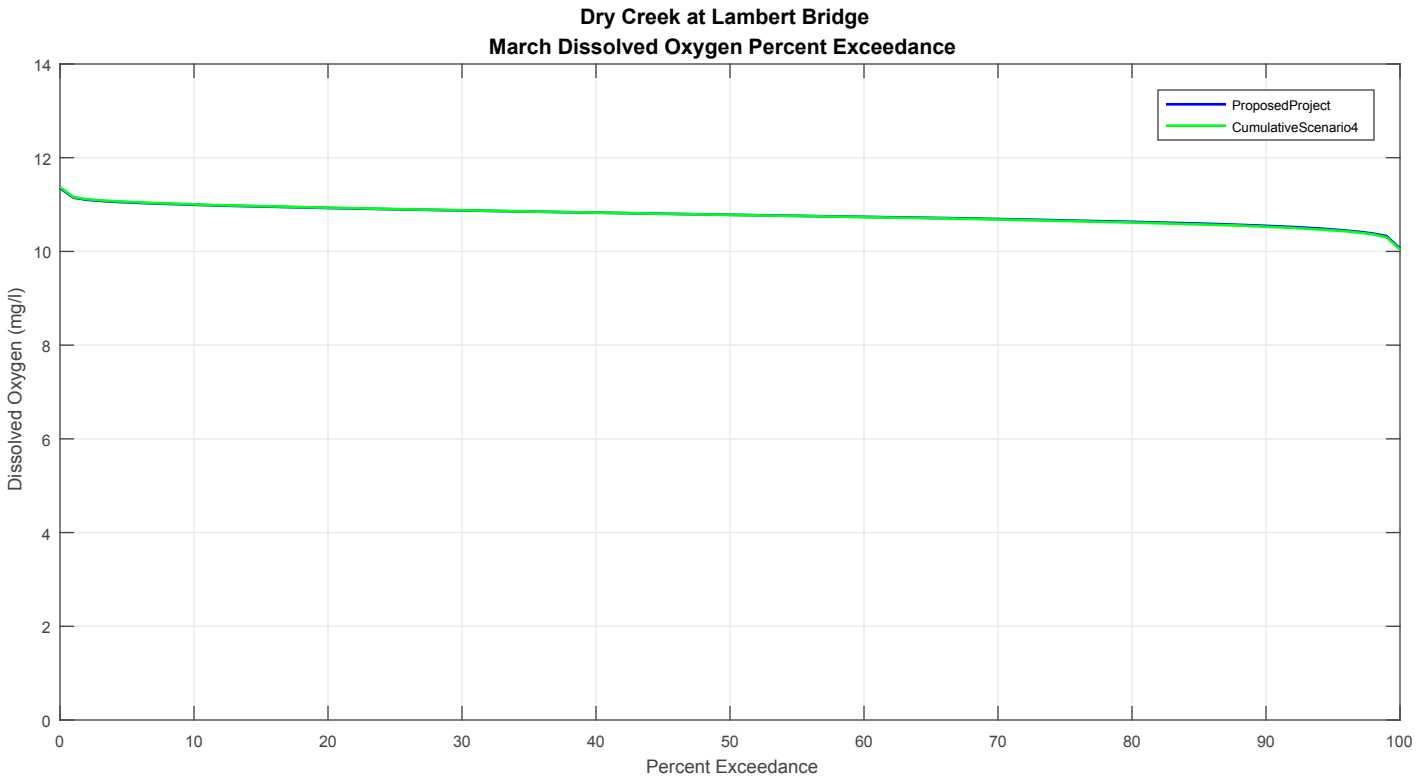
Dry Creek at Lambert Bridge
March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
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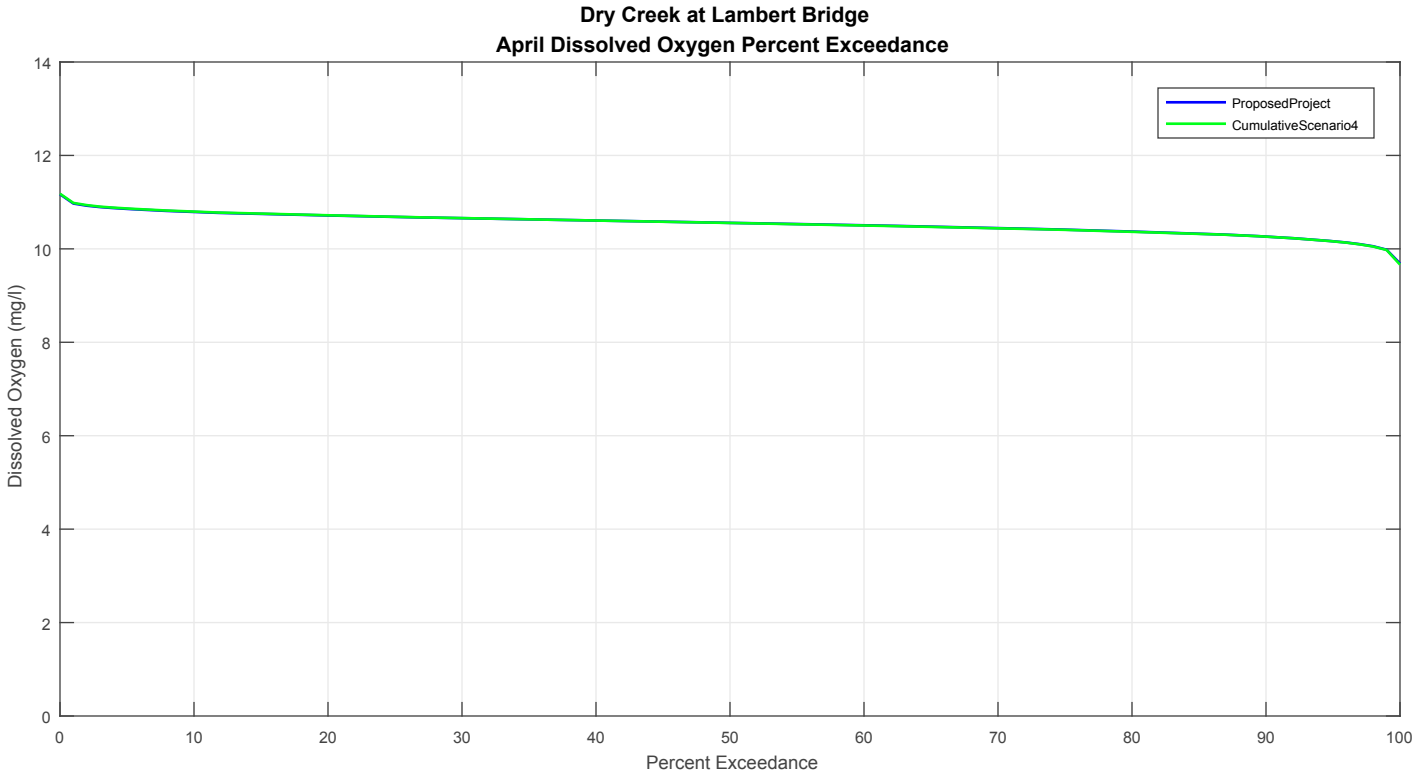
Dry Creek at Lambert Bridge
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ProposedProject
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Dissolved Oxygen (mg/l)
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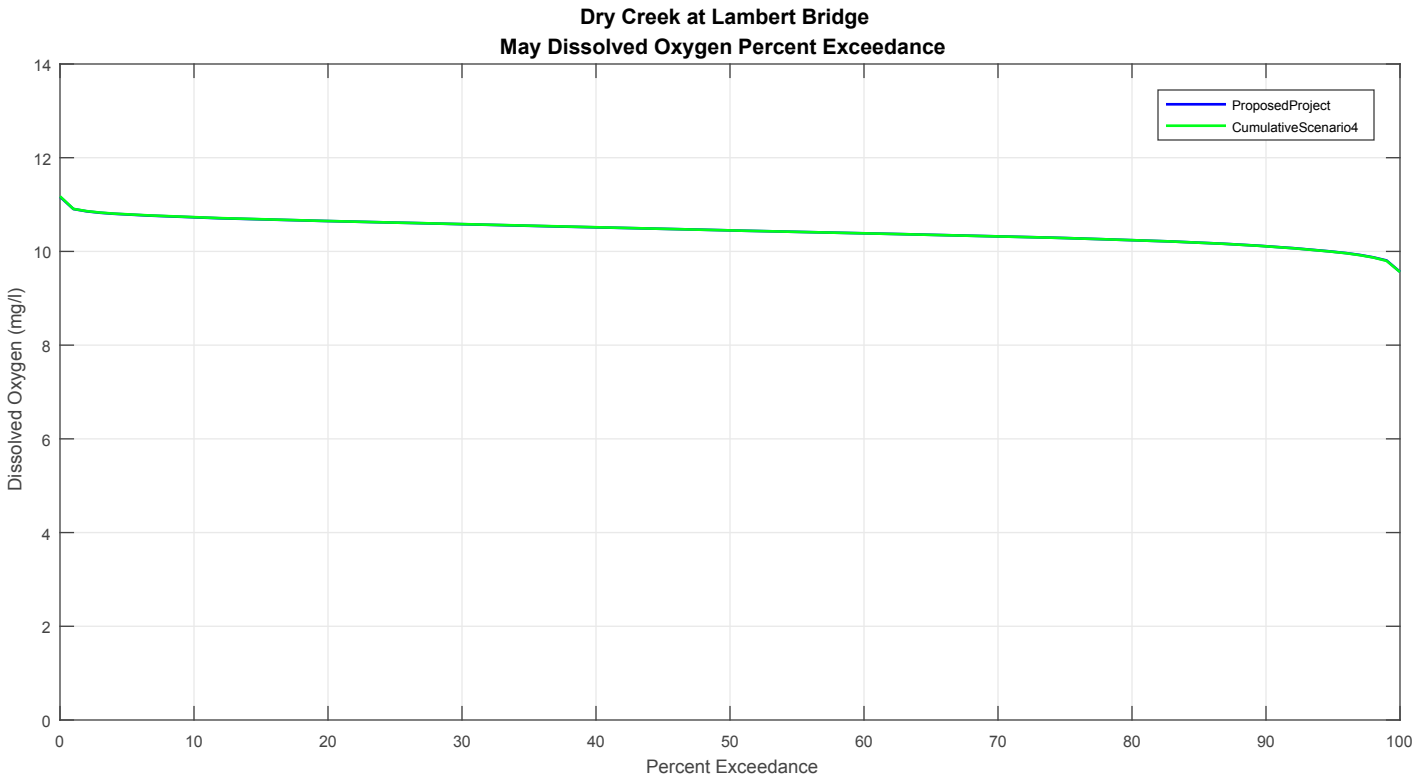
Dry Creek at Lambert Bridge
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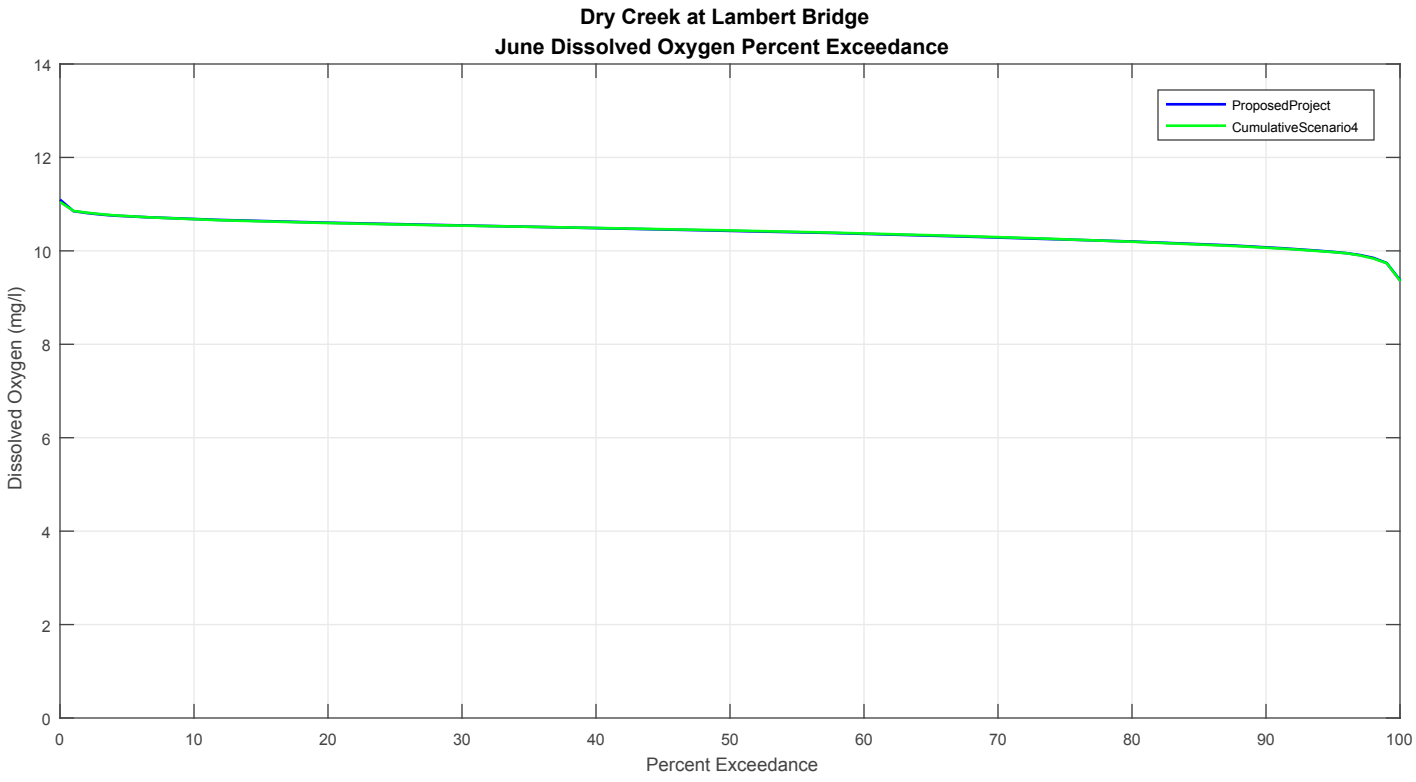
Dry Creek at Lambert Bridge
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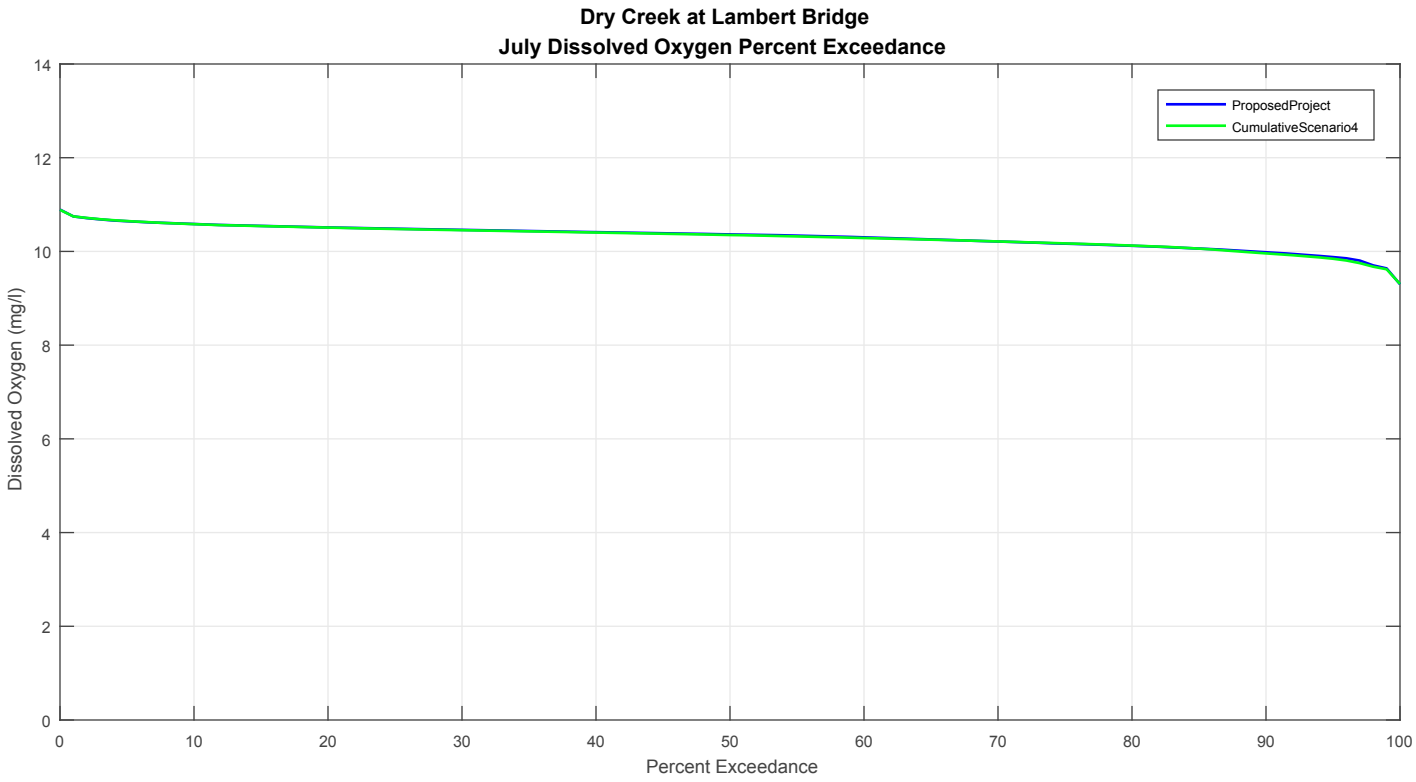
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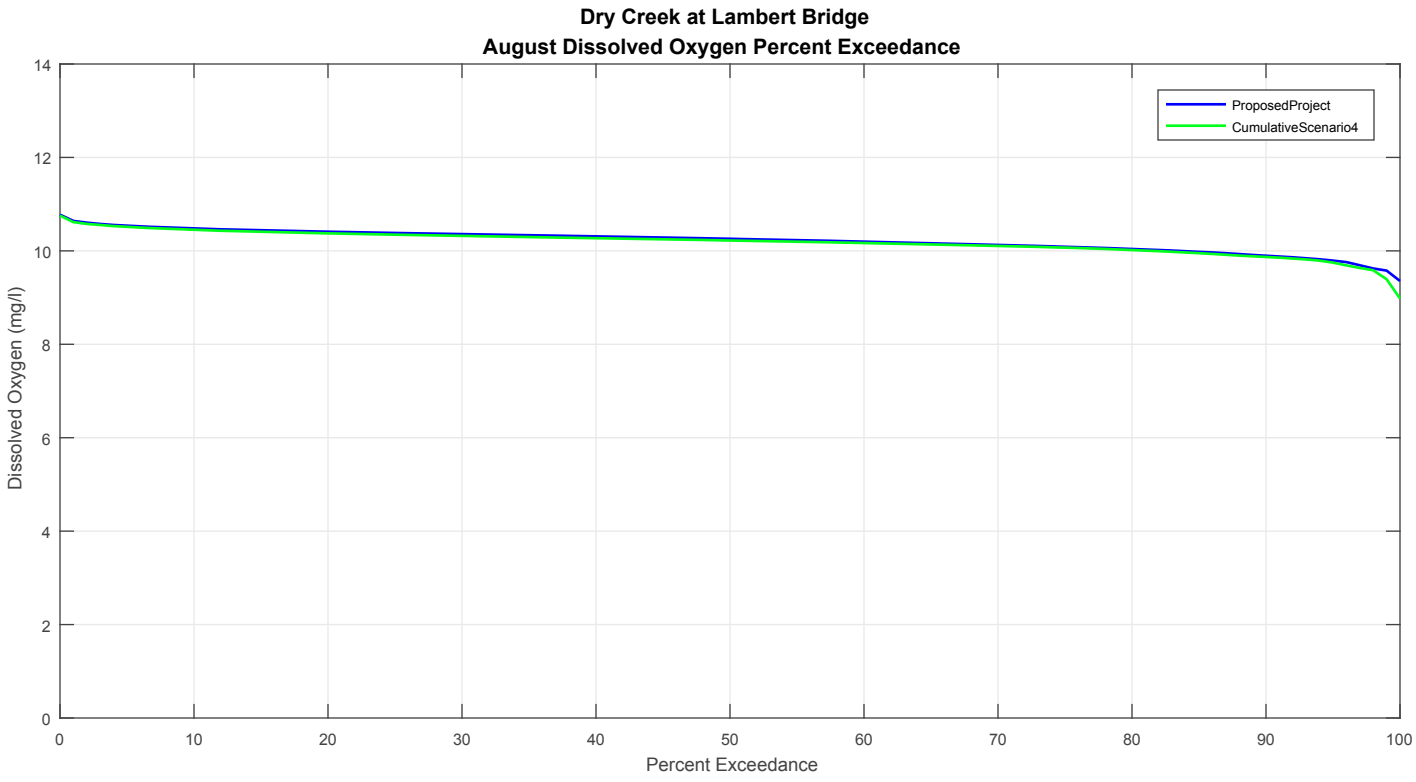
Dry Creek at Lambert Bridge
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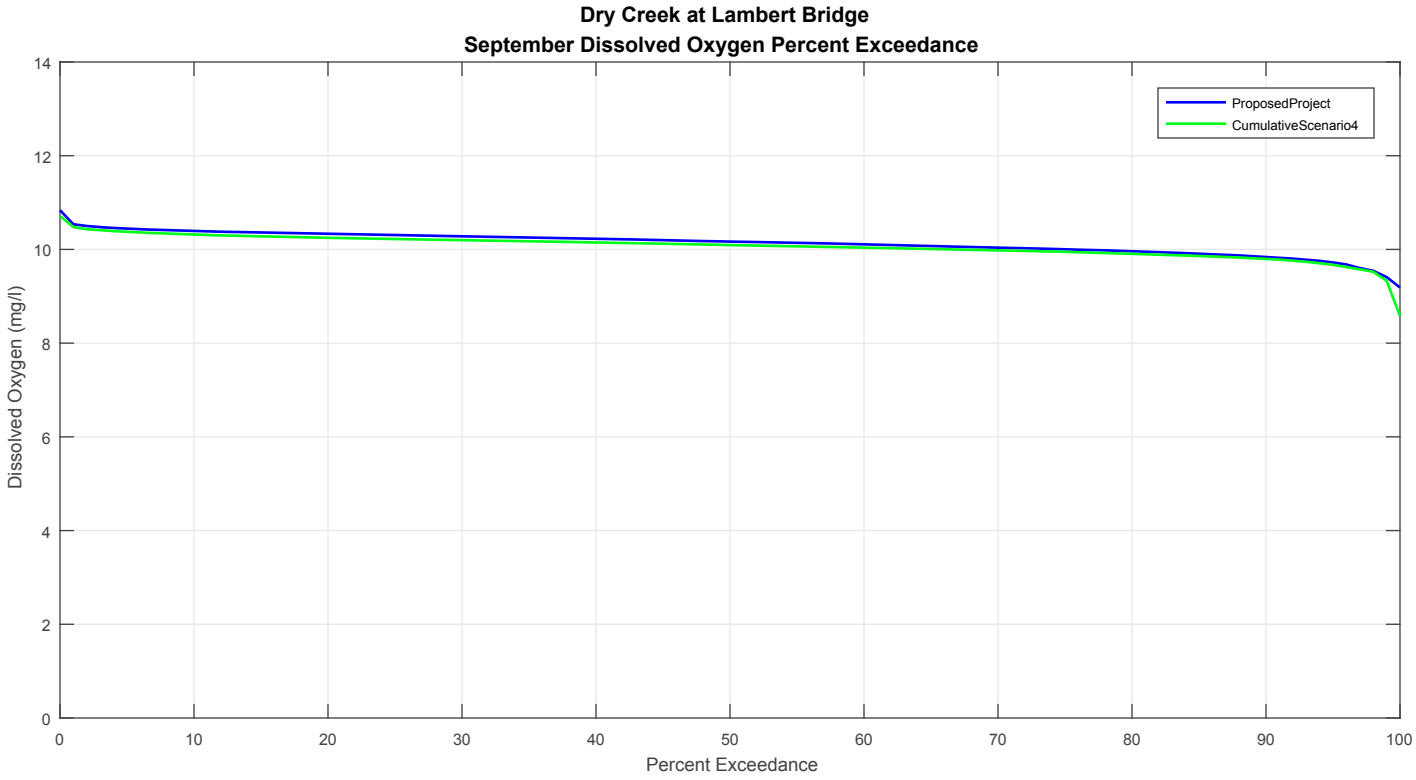
Dry Creek at Lambert Bridge
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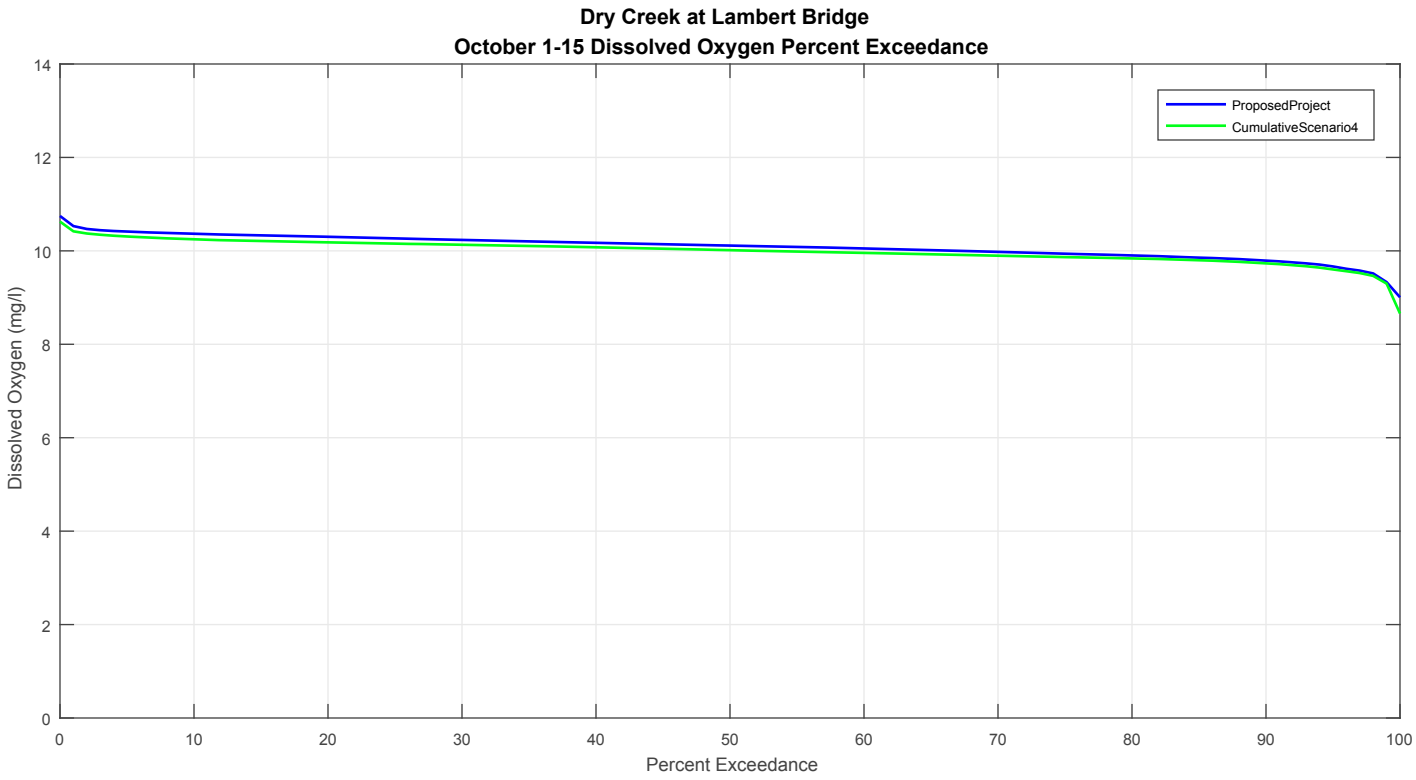
Dry Creek at Lambert Bridge
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
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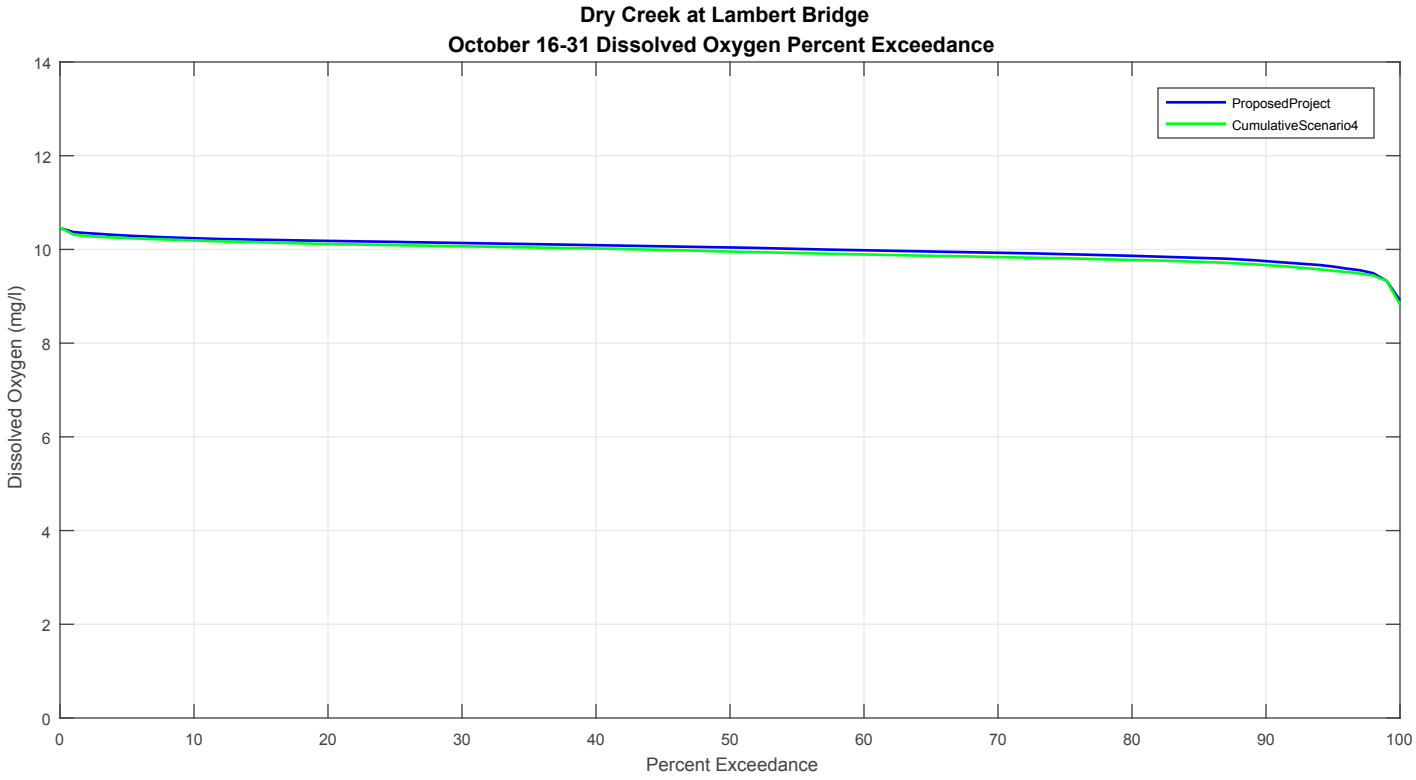
Dry Creek at Lambert Bridge
October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
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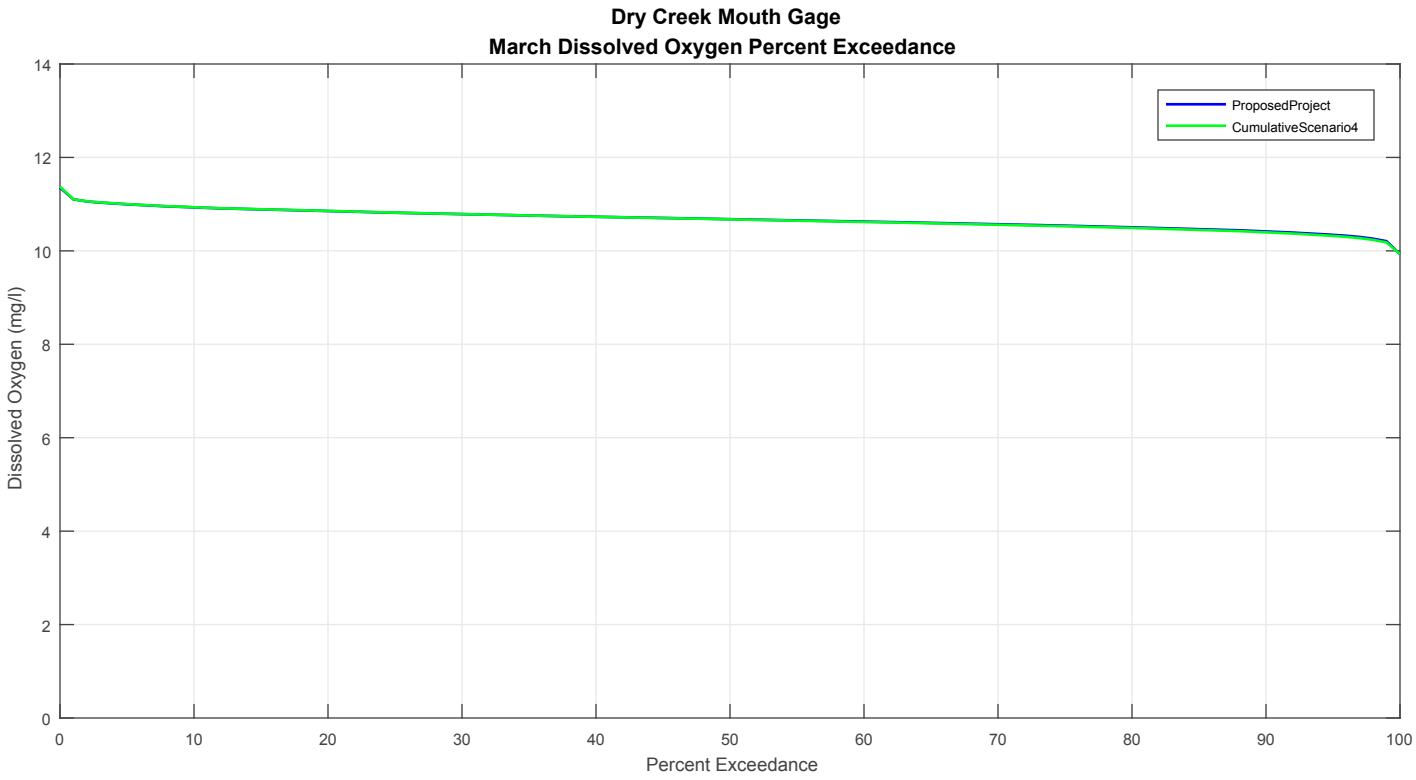
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March Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
Percent Exceedance
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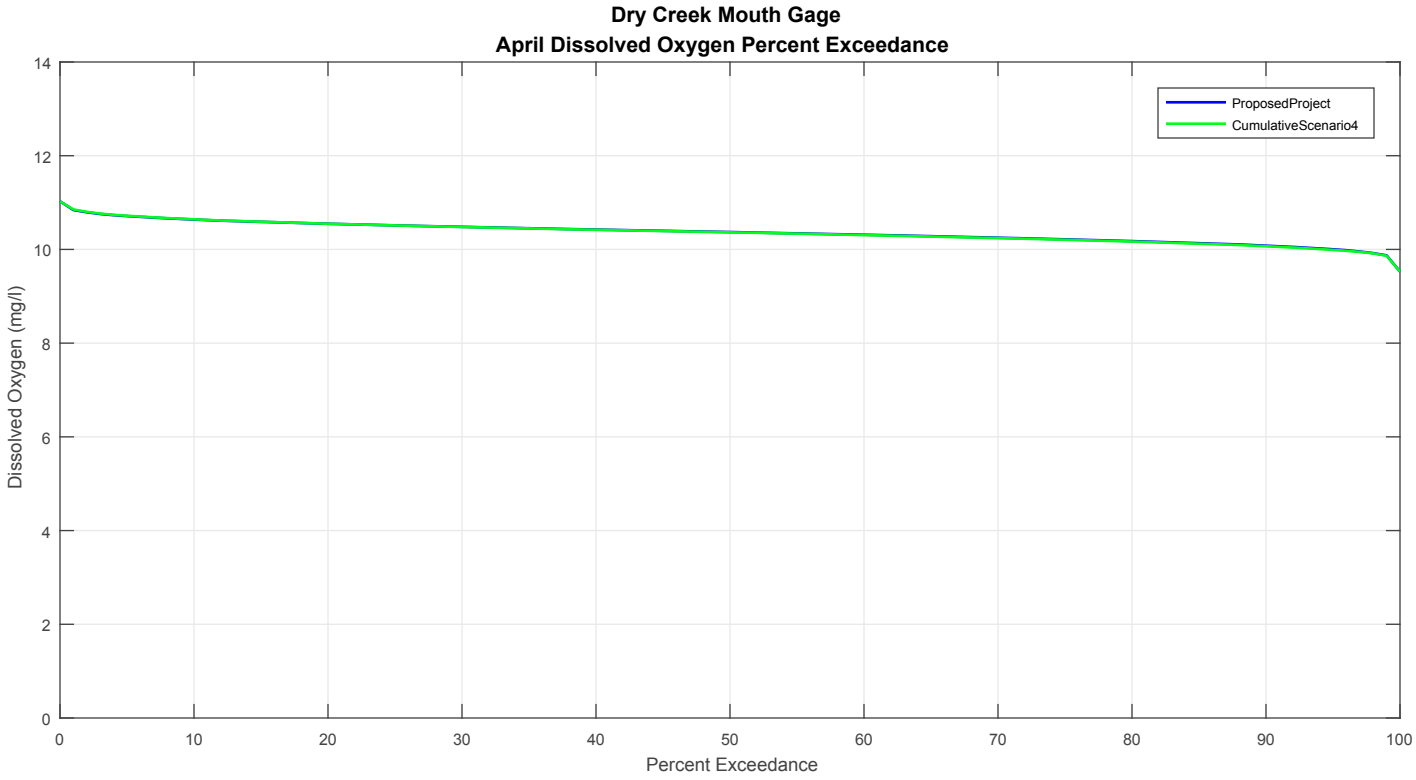
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April Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
Percent Exceedance
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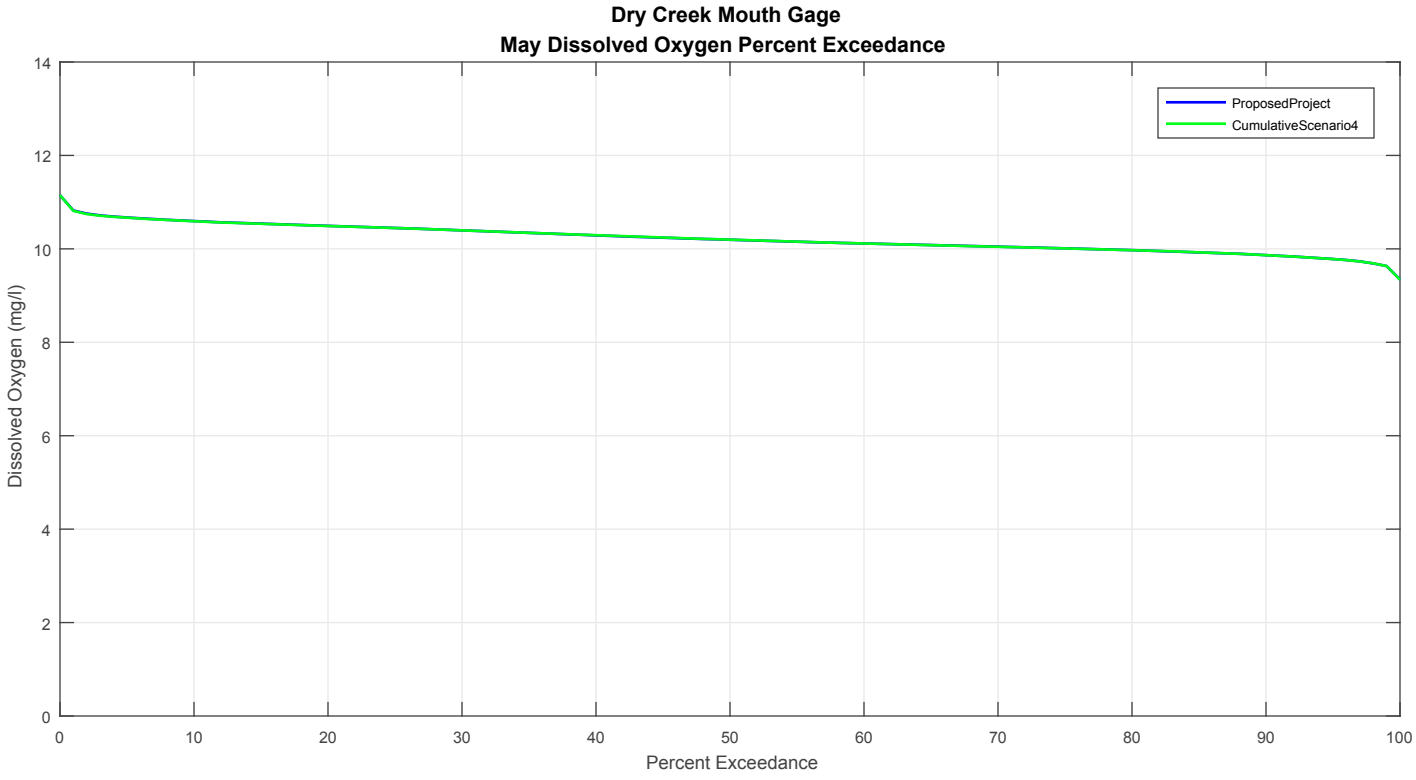
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May Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
Percent Exceedance
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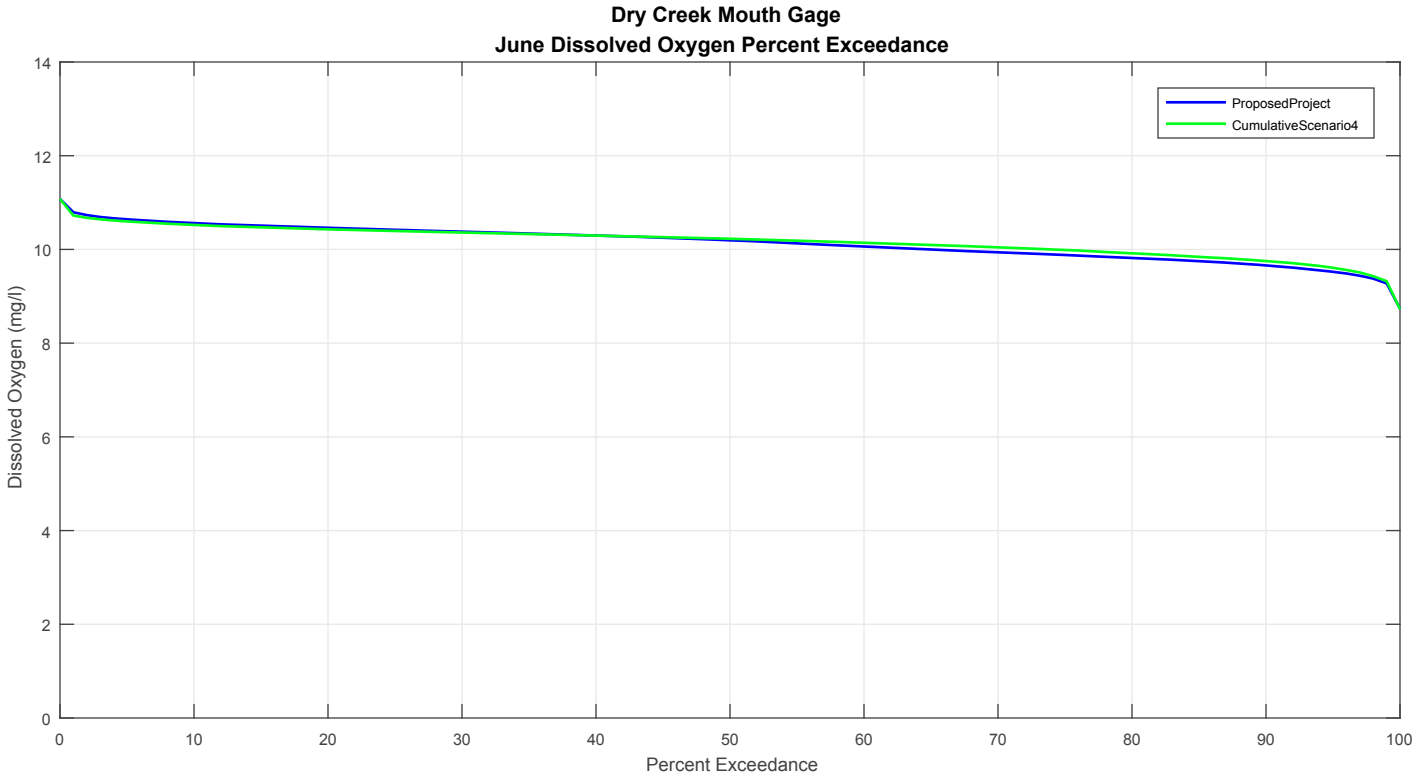
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June Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
Percent Exceedance
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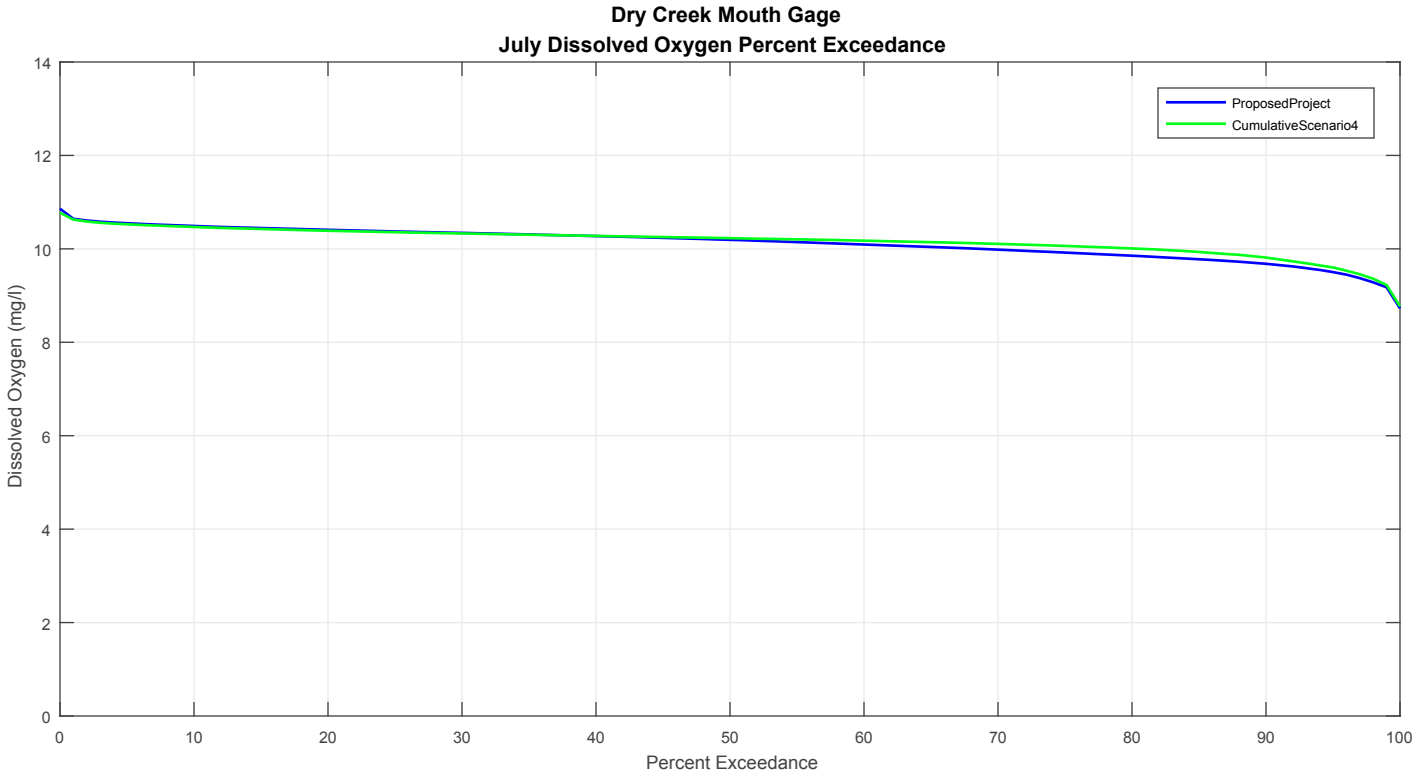
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July Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
Percent Exceedance
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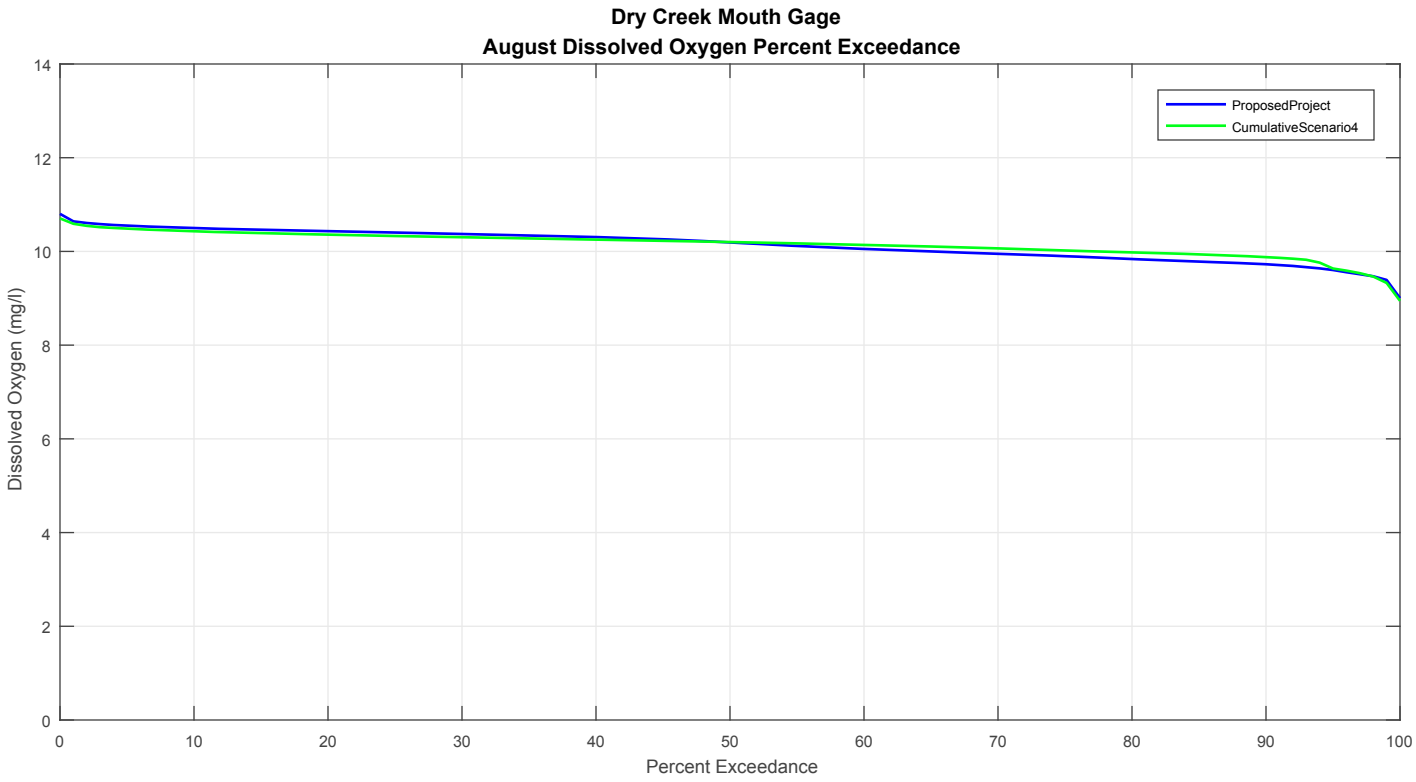
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August Dissolved Oxygen Percent Exceedance
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CumulativeScenario4
Dissolved Oxygen (mg/l)
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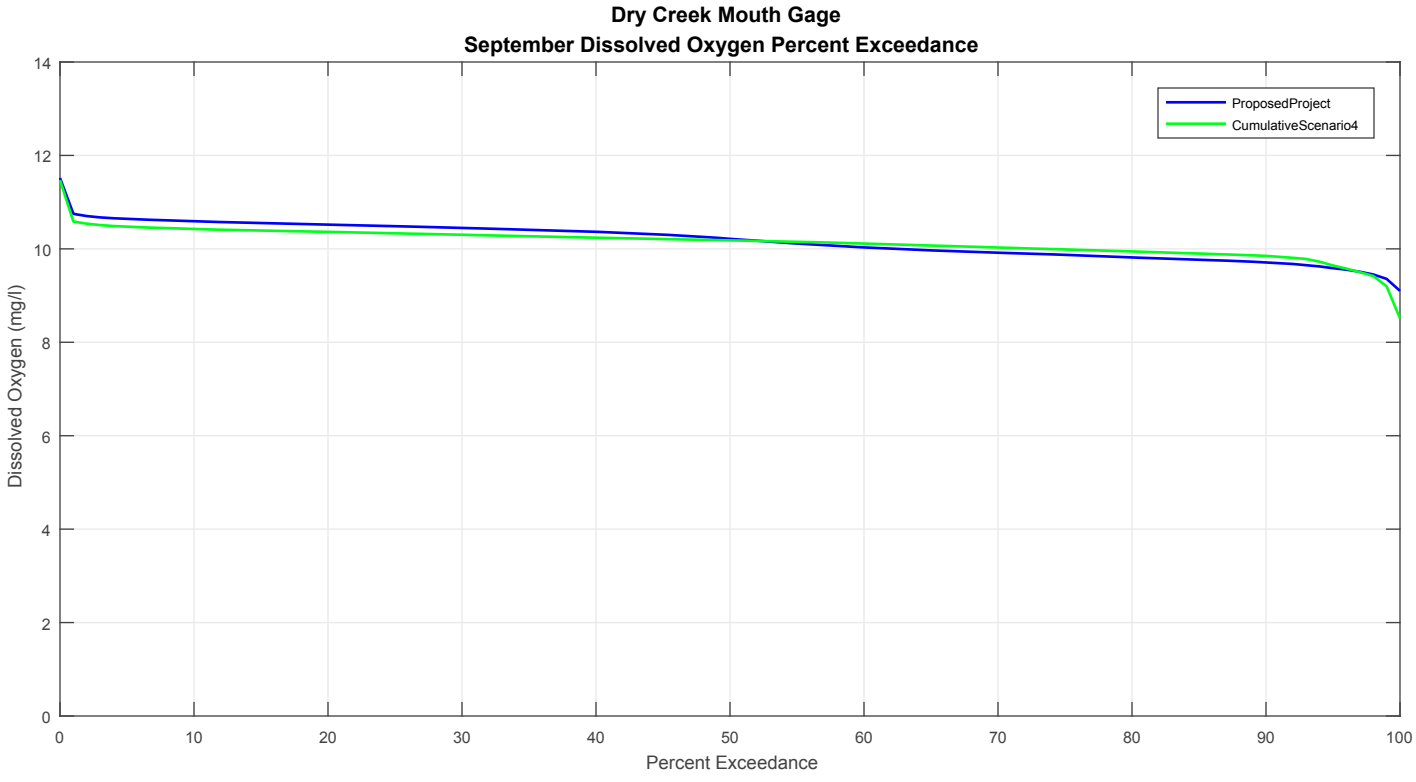
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September Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
Percent Exceedance
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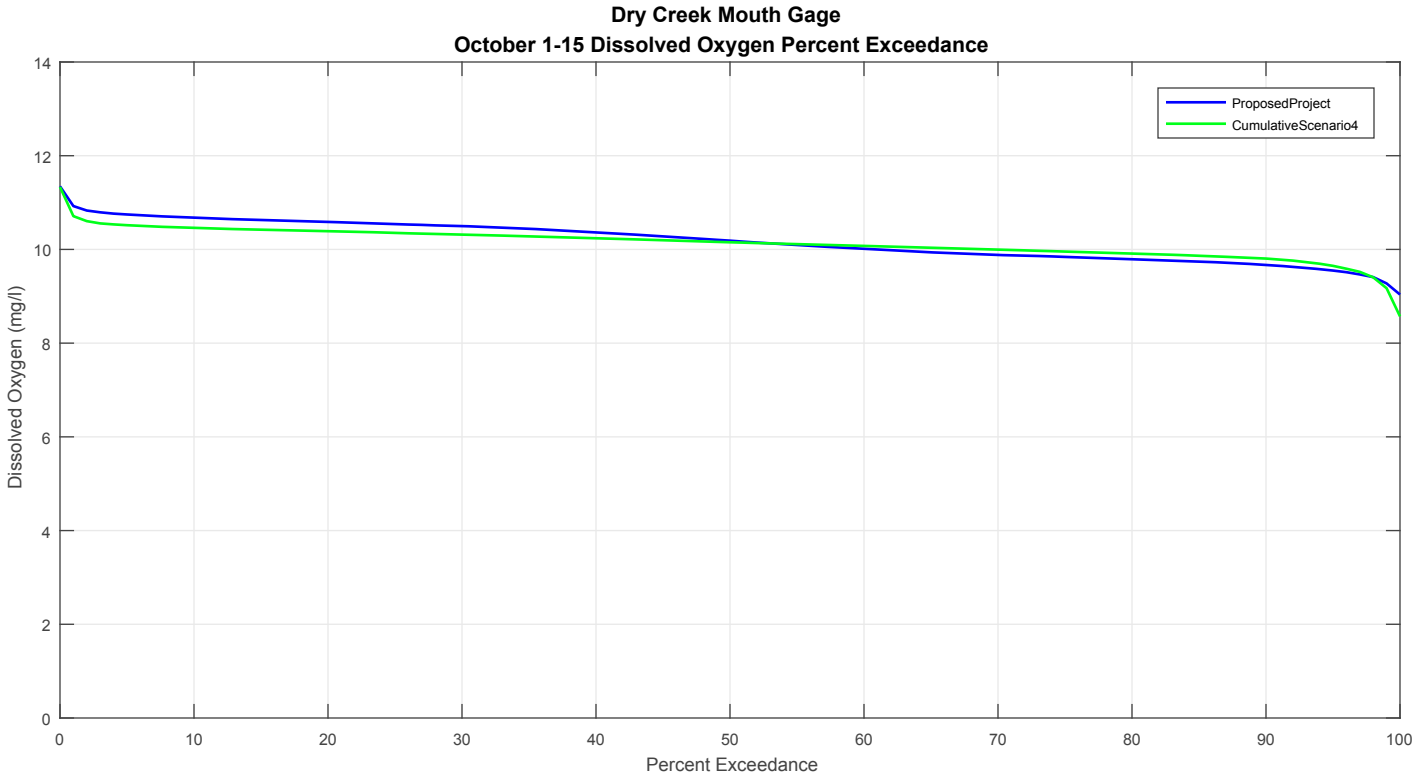
Dry Creek Mouth Gage
October 1-15 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
Percent Exceedance
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30
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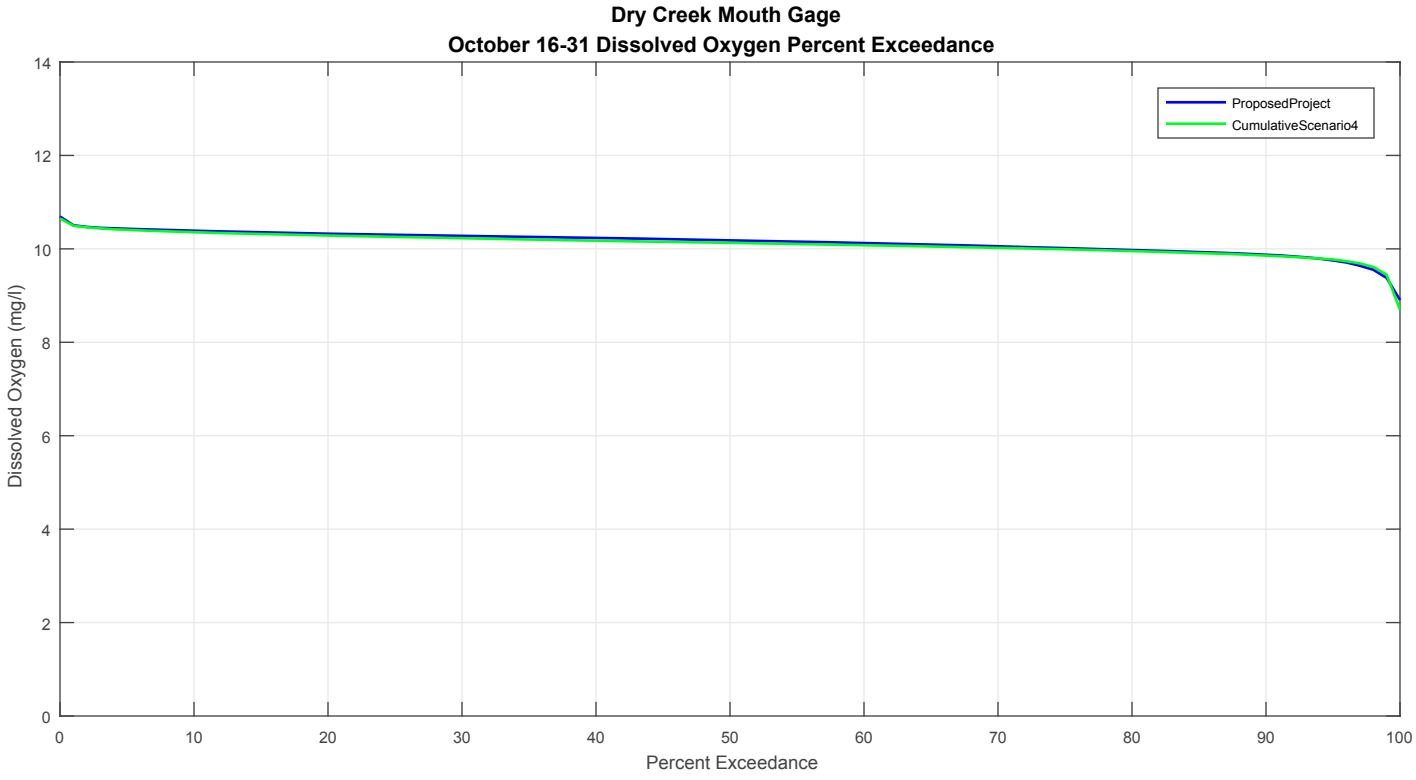
Dry Creek Mouth Gage
October 16-31 Dissolved Oxygen Percent Exceedance
ProposedProject
CumulativeScenario4
Dissolved Oxygen (mg/l)
Percent Exceedance
0
2
4
6
8
10
12
14
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**Errata Item 10**

**Appendix G, Modeling Reports**

**Provisional Simulated Unimpaired Mean Daily Streamflow in the Russian River and Upper Eel River Basins, California, under Historical (1910-2013) and Projected Future (2001-2099) Climates: U.S. Geological Survey Data Release**

**Figures 1 - 6**

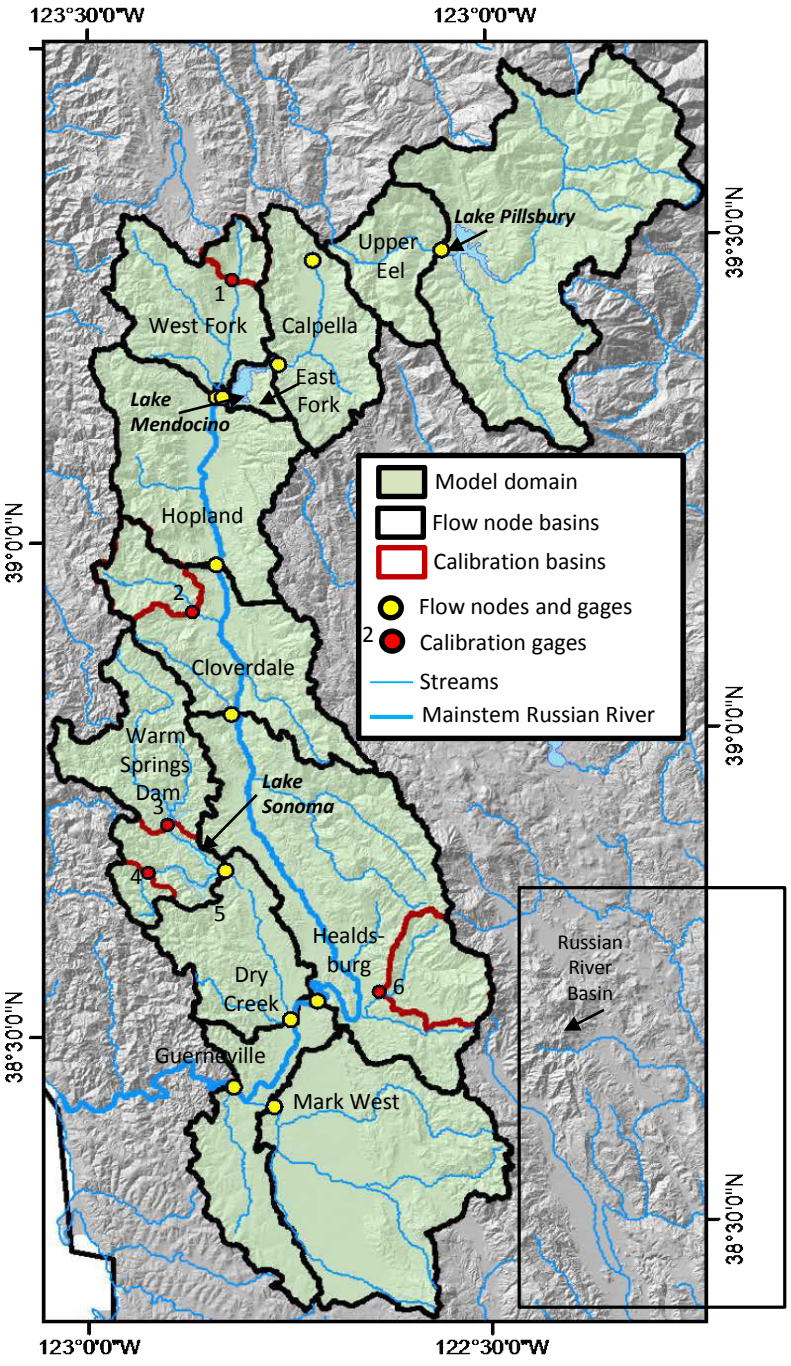



Figure 1. Map of model domain with flow nodes and calibration basins.

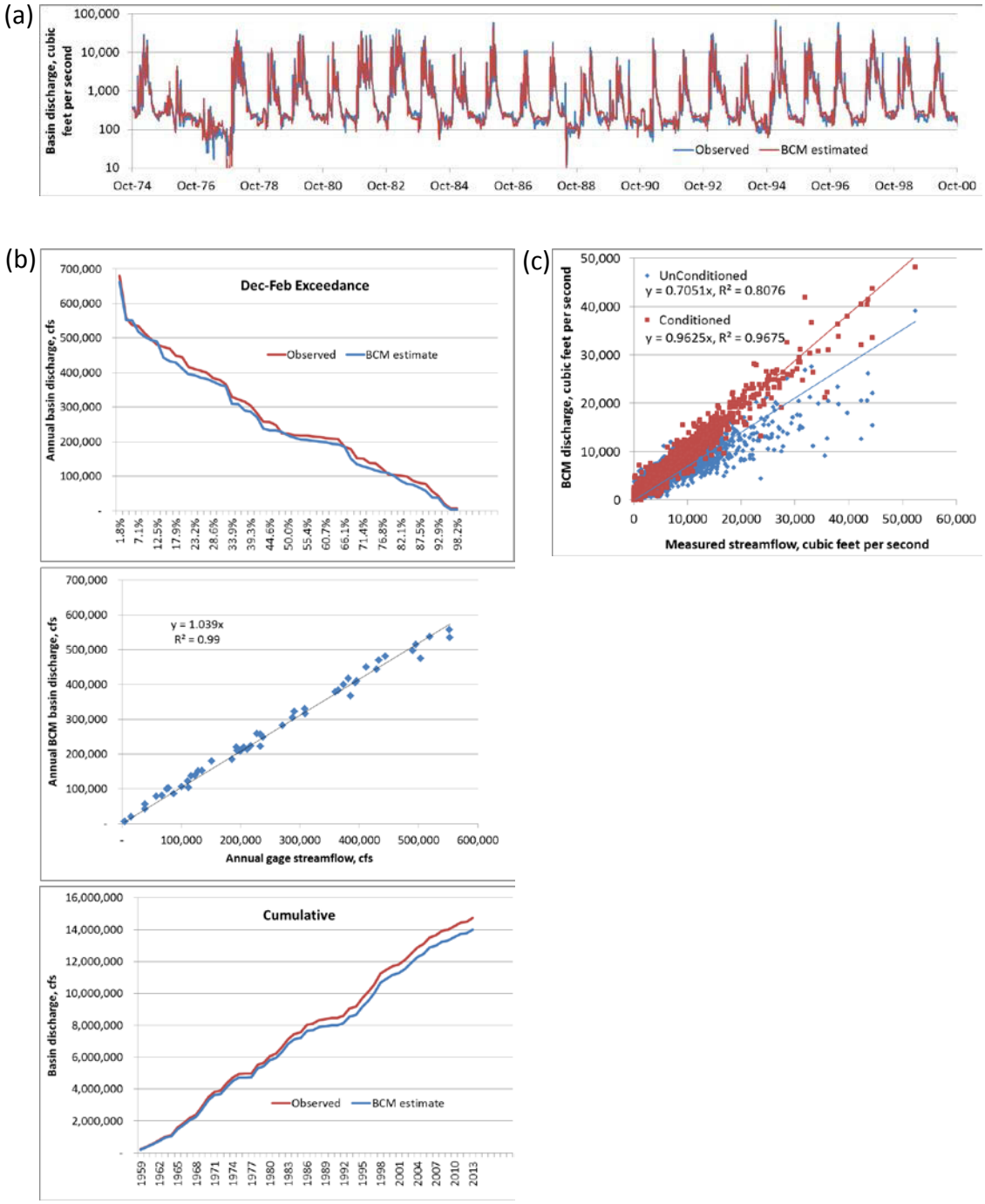
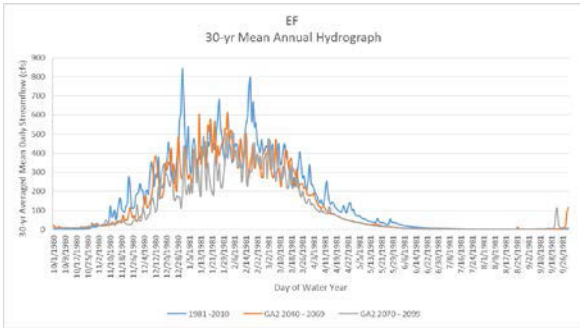
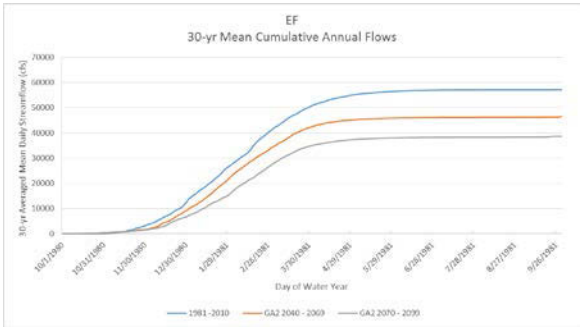
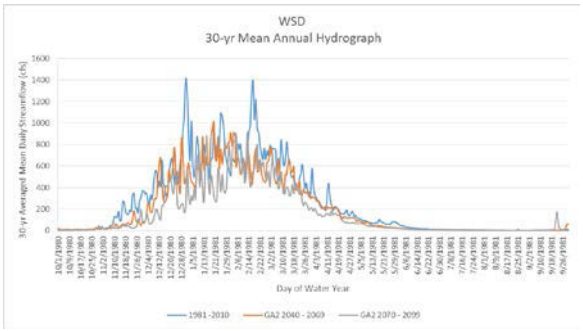
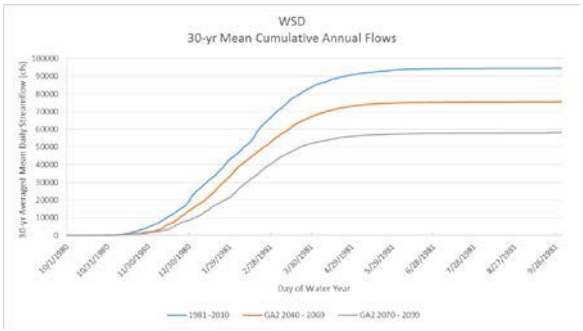


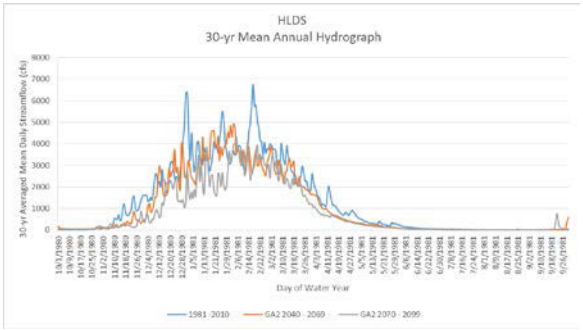

Figure 2. Goodness-of-fit examples that compare modeled basin discharge estimated using the Basin Characterization Model to measured streamflow at Healdsburg, California, (a) daily time series from water year 1975 to 1999; (b) exceedance probability, annual discharge, and cumulative annual discharge for winter flows (December to February) from 1958 to 2013; and (c) daily discharge before and after conditioning.

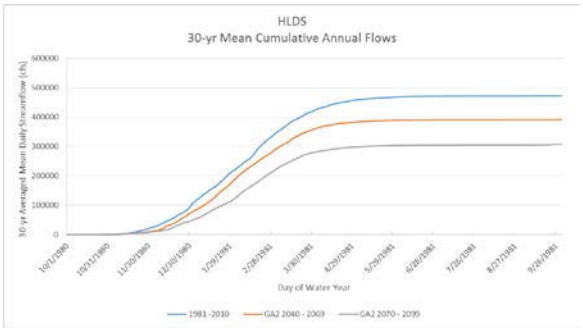


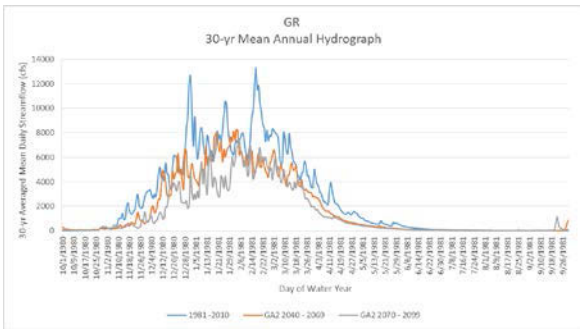



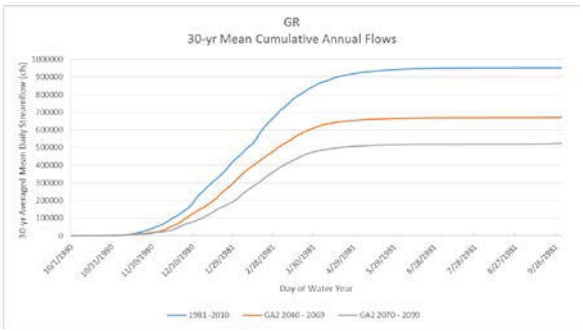
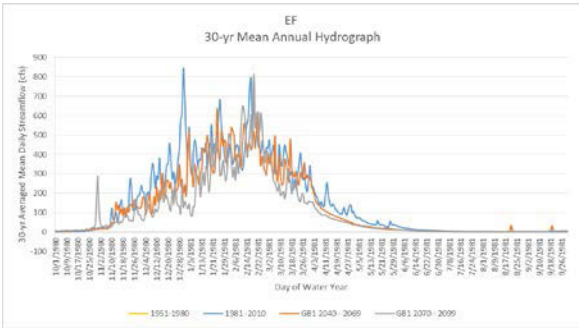
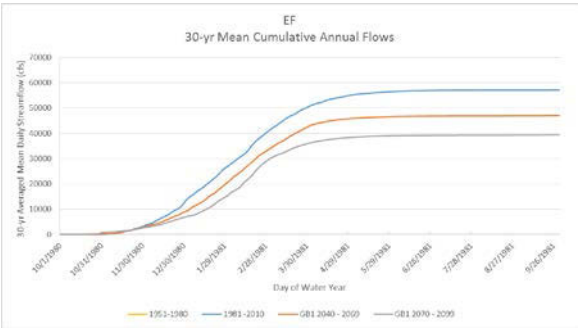
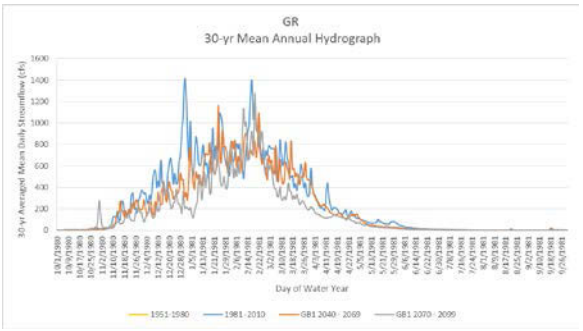
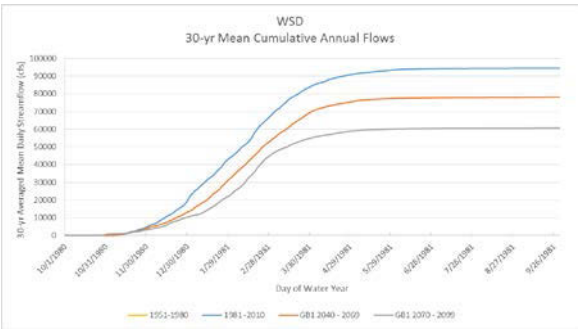



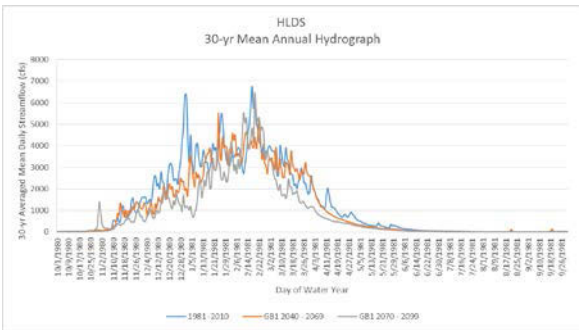

Figure 3. Figure showing 30-year mean annual hydrographs for GFDL A2 climate projection. Mean daily and cumulative streamflow is shown for East Fork (EF), Warm Springs Dam (WSD), Healdsburg (HLDS), and Guerneville (GR).

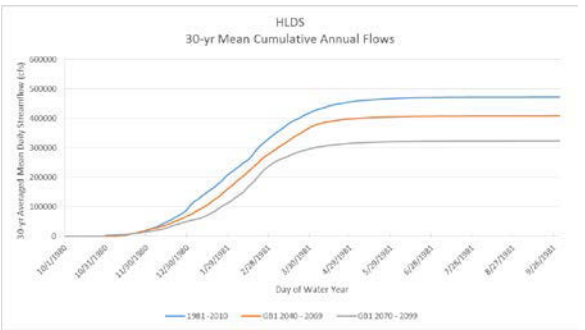


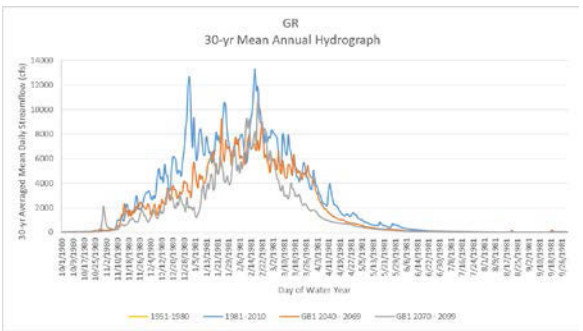



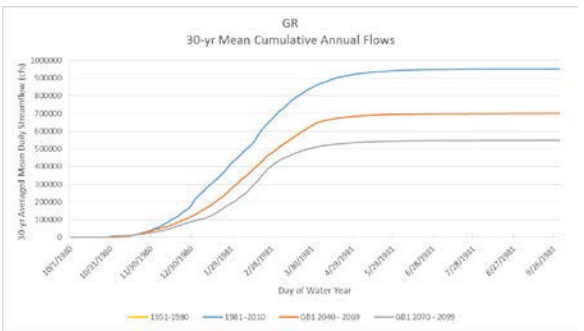
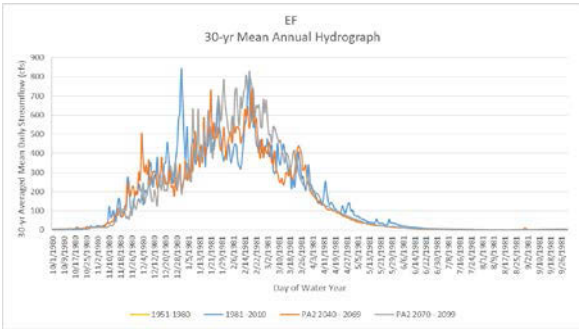
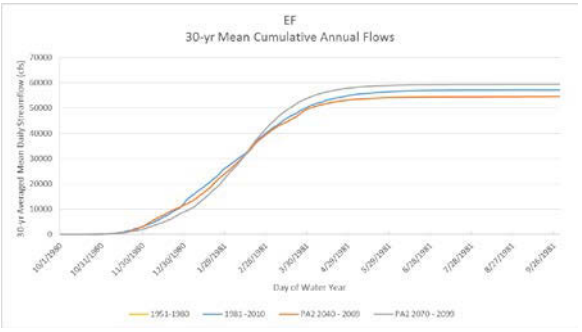
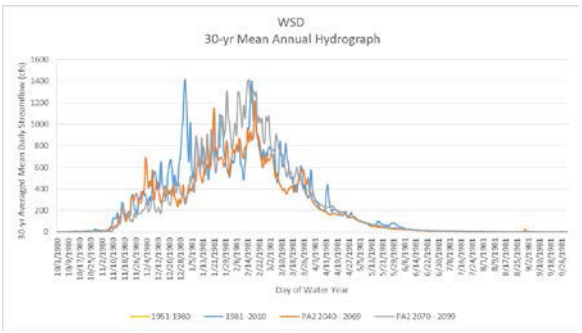
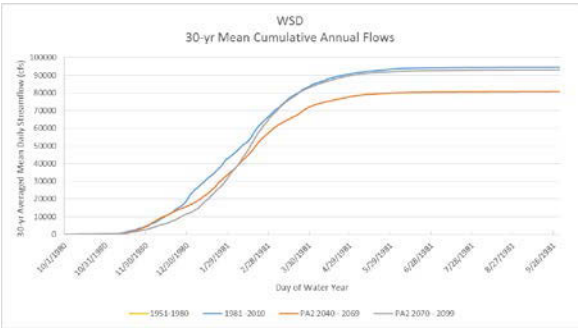



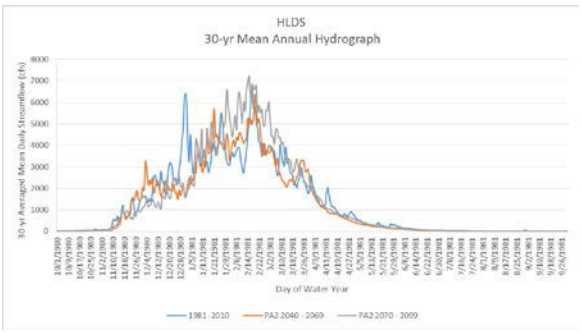

Figure 4. Figure showing 30-year mean annual hydrographs for GFDL B1 climate projection. Mean daily and cumulative streamflow is shown for East Fork (EF), Warm Springs Dam (WSD), Healdsburg (HLDS), and Guerneville (GR).

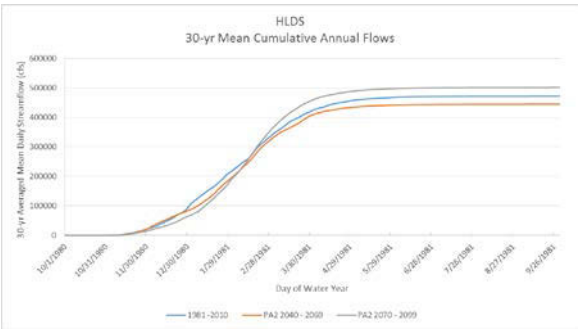


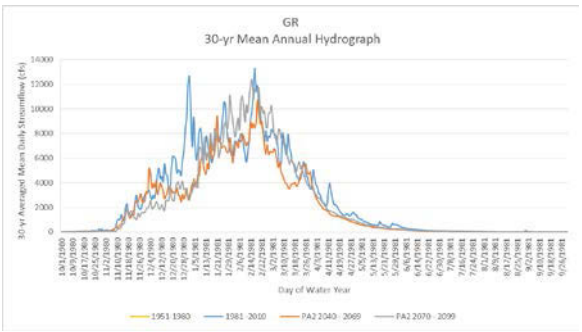



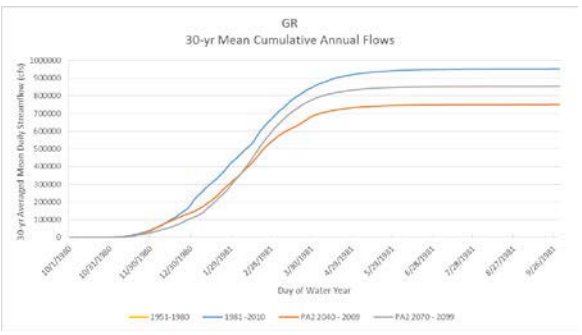
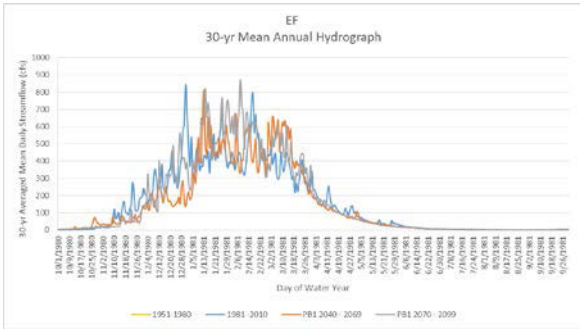
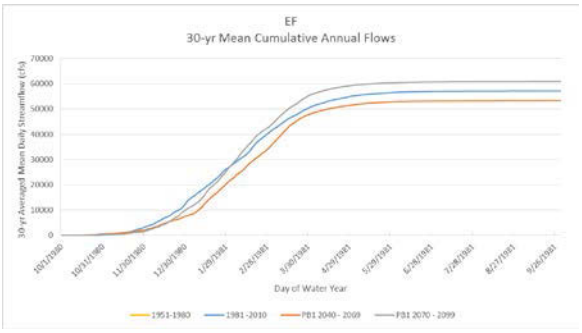
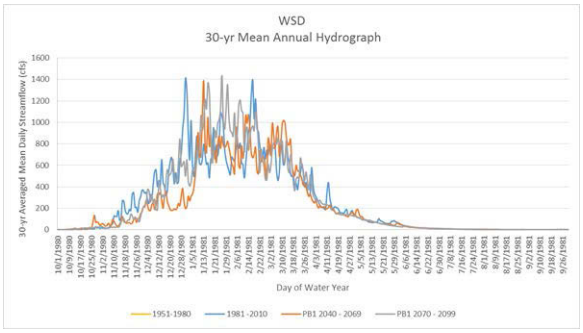
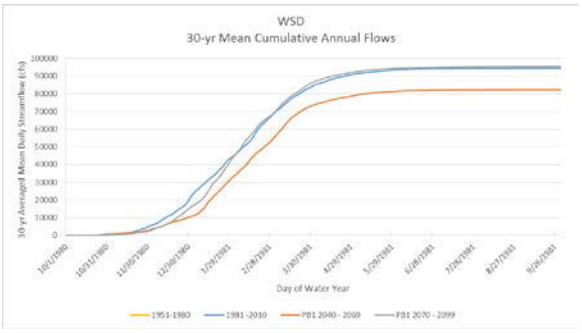



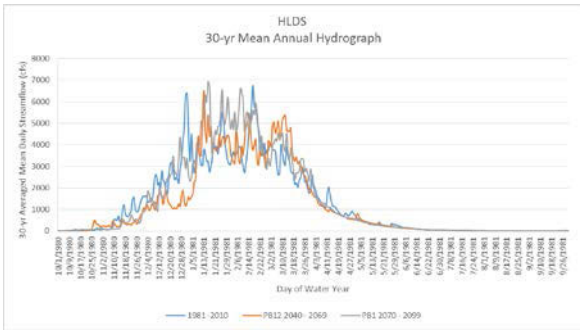

Figure 5. Figure showing 30-year mean annual hydrographs for PCM A2 climate projection. Mean daily and cumulative streamflow is shown for East Fork (EF), Warm Springs Dam (WSD), Healdsburg (HLDS), and Guerneville (GR).

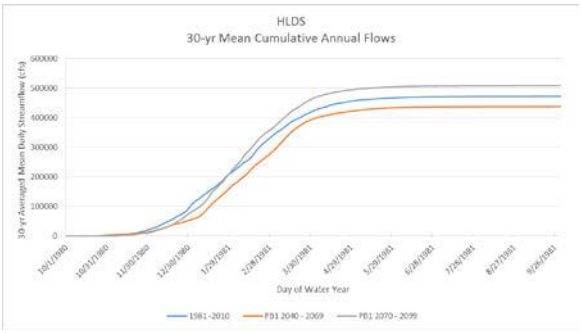


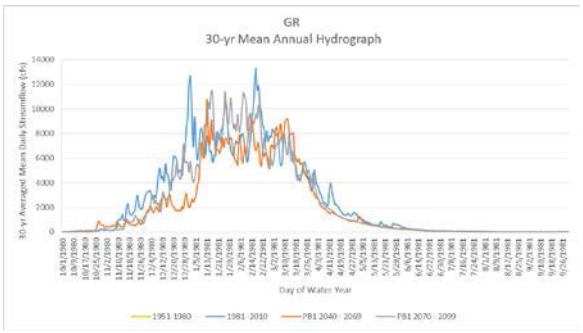



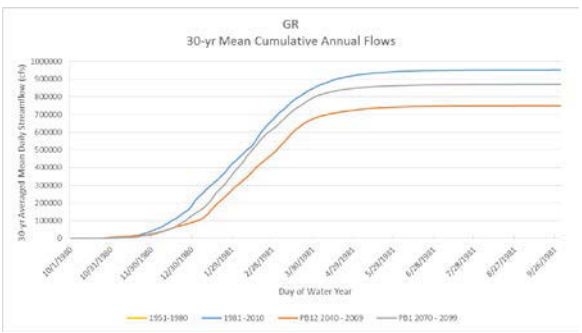




Figure 6. Figure showing 30-year mean annual hydrographs for PCM B1 climate projection. Mean daily and cumulative streamflow is shown for East Fork (EF), Warm Springs Dam (WSD), Healdsburg (HLDS), and Guerneville (GR).