APPENDIX G1

Hydrology and Water Quality Alternatives Analysis Supporting Data

G1 SUPPORTING DATA FOR THE ALTERNATIVES ANALYSIS – HYDROLOGY, WATER QUALITY, AND BIOLOGY

G1.1 COMPARISON TABLES FOR STREAMFLOW

Table G1.1-1. Changes in Streamflow in the South Fork American River Downstream of the El Dorado Diversion Dam, in cfs – Baseline vs Project, All Alternatives

Water Year Type/Alternative	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet												
Proposed Project (Post-Construction)	0	0	-3	-7	-8	-9	-10	-11	-11	-8	-2	0
Direct Diversion Only	0	0	-3	-7	-8	-9	-10	-11	-11	-8	-2	0
Reduced Season of Diversion	0	0	-3	-7	-8	-9	-10	-11	-11	-8	-2	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal												
Proposed Project (Post-Construction)	0	0	-2	-7	-5	-9	-11	-11	-10	-3	0	0
Direct Diversion Only	0	0	-2	-7	-5	-9	-11	-11	-10	-3	0	0
Reduced Season of Diversion	0	0	-2	-7	-5	-9	-11	-11	-10	-3	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal												
Proposed Project (Post-Construction)	0	0	-2	-6	-6	-9	-11	-11	-9	-1	0	0
Direct Diversion Only	0	0	-2	-6	-6	-9	-11	-11	-9	-1	0	0
Reduced Season of Diversion	0	0	-2	-6	-6	-9	-11	-11	-9	-1	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Dry												
Proposed Project (Post-Construction)	0	0	-2	-2	-3	-6	-10	-11	-9	0	0	0
Direct Diversion Only	0	0	-2	-2	-3	-6	-10	-11	-9	0	0	0
Reduced Season of Diversion	0	0	-2	-2	-3	-6	-10	-11	-9	0	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Critically Dry												
Proposed Project (Post-Construction)	0	0	-1	-1	-3	-6	-9	-10	-4	0	0	0
Direct Diversion Only	0	0	-1	-1	-3	-6	-9	-10	-4	0	0	0
Reduced Season of Diversion	0	0	-1	-1	-3	-6	-9	-10	-4	0	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0

Source: Derived from data in Appendix B2

Note: Modeled flow decrease indicated in red.

cfs = cubic feet per second

Table G1.1-2. Changes in Streamflow in the South Fork American River Downstream of the El Dorado Diversion Dam, in cfs – Future Baseline vs Future Project, All Alternatives

Water Year Type/Alternative	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet												
Proposed Project (Post-Construction)	0	0	-3	-7	-8	-9	-10	-11	-11	-8	-2	0
Direct Diversion Only	0	0	-3	-7	-8	-9	-10	-11	-11	-8	-2	0
Reduced Season of Diversion	0	0	-3	-7	-8	-9	-10	-11	-11	-8	-2	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal												
Proposed Project (Post-Construction)	0	0	-2	-7	-5	-9	-11	-11	-10	-3	0	0
Direct Diversion Only	0	0	-2	-7	-5	-9	-11	-11	-10	-3	0	0
Reduced Season of Diversion	0	0	-2	-7	-5	-9	-11	-11	-10	-3	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal												
Proposed Project (Post-Construction)	0	0	-2	-6	-6	-9	-11	-11	-9	-1	0	0
Direct Diversion Only	0	0	-2	-6	-6	-9	-11	-11	-9	-1	0	0
Reduced Season of Diversion	0	0	-2	-6	-6	-9	-11	-11	-9	-1	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Dry												
Proposed Project (Post-Construction)	0	0	-2	-2	-3	-6	-10	-11	-9	0	0	0
Direct Diversion Only	0	0	-2	-2	-3	-6	-10	-11	-9	0	0	0
Reduced Season of Diversion	0	0	-2	-2	-3	-6	-10	-11	-9	0	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Critically Dry												
Proposed Project (Post-Construction)	0	0	-1	-1	-3	-6	-9	-10	-4	0	0	0
Direct Diversion Only	0	0	-1	-1	-3	-6	-9	-10	-4	0	0	0
Reduced Season of Diversion	0	0	-1	-1	-3	-6	-9	-10	-4	0	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0

Source: Derived from data in Appendix B2

Note: Modeled flow decrease indicated in red.

cfs = cubic feet per second

Table G1.1-3. Changes in Streamflow in the South Fork American River Downstream of the El Dorado Powerhouse, in cfs – Baseline vs Project, All Alternatives

Water Year Type/Alternative	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet												
Proposed Project (Post-Construction)	0	0	-1	-10	-1	-1	-1	-1	-1	-1	0	0
Direct Diversion Only	0	0	0	0	-1	-1	-1	-1	-1	-1	0	0
Reduced Season of Diversion	0	0	-1	-10	-1	-1	-1	-1	-1	-1	0	0
Existing Infrastructure	0	0	-1	-8	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	-1	-7	0	0	0	0	0	0	0	0
Above Normal												
Proposed Project (Post-Construction)	0	0	0	-4	-1	-1	0	-1	-1	0	0	0
Direct Diversion Only	0	0	0	-1	-1	-1	-1	-1	-1	0	0	0
Reduced Season of Diversion	0	0	0	-4	-1	-1	0	-1	-1	0	0	0
Existing Infrastructure	0	0	0	-5	0	0	1	0	0	0	0	0
Reduced Diversion	0	0	0	-9	0	0	1	0	0	0	0	0
Below Normal												
Proposed Project (Post-Construction)	0	0	0	-18	-2	3	4	4	4	1	0	4
Direct Diversion Only	0	0	0	0	0	1	0	1	-1	0	0	-1
Reduced Season of Diversion	0	0	0	-18	-2	3	4	4	4	1	0	4
Existing Infrastructure	0	0	0	-16	-2	3	5	5	5	2	0	4
Reduced Diversion	0	0	-1	-12	-4	2	5	5	5	2	0	4
Dry												
Proposed Project (Post-Construction)	0	0	0	-7	-30	-12	-8	9	12	11	7	0
Direct Diversion Only	0	0	0	0	0	0	0	0	-1	0	-9	-2
Reduced Season of Diversion	0	0	0	-7	-30	-12	-8	9	12	11	7	0
Existing Infrastructure	0	0	0	-7	-29	-7	-8	5	13	11	7	0
Reduced Diversion	0	0	-1	-7	-21	-4	-5	3	7	10	6	0
Critically Dry												
Proposed Project (Post-Construction)	0	0	0	-18	-78	-66	0	16	20	19	18	4
Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	-10	-22
Reduced Season of Diversion	0	0	0	-18	-78	-66	0	16	20	19	18	4
Existing Infrastructure	0	0	0	-17	-57	-47	-26	12	17	19	18	4
Reduced Diversion	0	0	0	-12	-35	-23	-13	3	4	8	8	-5

Source: Derived from data in Appendix B2

Note: Modeled flow decrease indicated in red and modeled flow increase indicated in blue.

cfs = cubic feet per second

Table G1.1-4. Changes in Streamflow in the South Fork American River Downstream of the El Dorado Powerhouse, in cfs – Future Baseline vs Future Project, All Alternatives

Water Year Type/Alternative	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet												
Proposed Project (Post-Construction)	0	0	-3	-20	-1	-1	-1	0	-1	-1	0	0
Direct Diversion Only	0	0	0	0	-1	-1	-1	0	-1	-1	0	0
Reduced Season of Diversion	0	0	-3	-20	-1	-1	-1	0	-1	-1	0	0
Existing Infrastructure	0	0	-3	-17	0	0	0	1	0	0	0	0
Reduced Diversion	0	0	-2	-12	0	0	0	1	0	0	0	0
Above Normal												
Proposed Project (Post-Construction)	0	0	-2	-40	2	6	0	3	-1	0	0	0
Direct Diversion Only	0	0	0	2	0	0	-1	3	-1	0	0	0
Reduced Season of Diversion	0	0	-2	-40	2	6	0	3	-1	0	0	0
Existing Infrastructure	0	0	-2	-35	2	6	1	4	0	0	0	0
Reduced Diversion	0	0	-2	-23	2	-1	2	4	0	0	0	0
Below Normal												
Proposed Project (Post-Construction)	0	0	-2	-33	-23	-4	10	14	20	0	0	-1
Direct Diversion Only	0	0	0	0	0	0	0	0	8	-3	0	-6
Reduced Season of Diversion	0	0	-2	-33	-23	-4	10	14	20	0	0	-1
Existing Infrastructure	0	0	-2	-28	-22	-1	10	13	20	0	0	-1
Reduced Diversion	0	0	-2	-21	-21	-1	3	11	15	-1	0	-5
Dry												
Proposed Project (Post-Construction)	0	0	-4	-21	-64	-37	-3	18	26	4	0	0
Direct Diversion Only	0	0	0	0	0	0	0	0	0	-12	-16	-17
Reduced Season of Diversion	0	0	-4	-21	-64	-37	-3	18	26	4	0	0
Existing Infrastructure	0	0	-4	-20	-46	-35	-3	11	21	4	0	0
Reduced Diversion	0	0	-3	-17	-26	-16	-4	11	12	-6	-9	-1
Critically Dry												
Proposed Project (Post-Construction)	0	0	-5	-25	-82	-76	-14	5	13	2	-2	-3
Direct Diversion Only	0	0	0	0	0	0	0	0	0	-18	-31	-37
Reduced Season of Diversion	0	0	-5	-25	-82	-76	-14	5	13	2	-2	-3
Existing Infrastructure	0	0	-5	-23	-57	-50	-36	-3	11	-1	-10	-5
Reduced Diversion	0	0	-1	-18	-35	-18	-16	-1	3	-10	-19	-11

Source: Derived from data in Appendix B2

Note: Modeled flow decrease indicated in red and modeled flow increase indicated in blue.

cfs = cubic feet per second

Table G1.1-5. Changes in Streamflow in the South Fork American River Downstream of Chili Bar Dam, in cfs – Baseline vs Project, All Alternatives

Water Year Type/Alternative	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet												
Proposed Project (Post-Construction)	2	0	-1	-10	-1	-1	-1	-1	-1	-1	0	0
Direct Diversion Only	0	0	0	0	-1	-1	-1	-1	-1	-1	0	0
Reduced Season of Diversion	2	0	-1	-10	-1	-1	-1	-1	-1	-1	0	0
Existing Infrastructure	2	0	-1	-8	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	-1	-7	0	0	0	0	0	0	0	0
Above Normal												
Proposed Project (Post-Construction)	0	0	0	-4	-1	-1	0	-1	-1	0	0	0
Direct Diversion Only	0	0	0	-1	-1	-1	-1	-1	-1	0	0	0
Reduced Season of Diversion	0	0	0	-4	-1	-1	0	-1	-1	0	0	0
Existing Infrastructure	0	0	0	-5	0	0	1	0	0	0	0	0
Reduced Diversion	0	0	0	-9	0	0	1	0	0	0	0	0
Below Normal												
Proposed Project (Post-Construction)	2	0	0	-18	-2	2	4	4	3	2	0	4
Direct Diversion Only	-2	0	0	0	0	1	0	1	-1	0	0	-1
Reduced Season of Diversion	2	0	0	-18	-2	2	4	4	3	2	0	4
Existing Infrastructure	2	0	0	-15	-2	3	5	5	4	2	0	4
Reduced Diversion	-1	0	-1	-12	-4	2	5	5	4	2	0	4
Dry												
Proposed Project (Post-Construction)	0	0	0	-7	-30	-12	-8	8	10	13	6	0
Direct Diversion Only	-1	0	0	0	0	0	0	0	-1	0	-9	-2
Reduced Season of Diversion	0	0	0	-7	-30	-12	-8	8	10	13	6	0
Existing Infrastructure	0	0	0	-7	-28	-7	-8	5	11	13	6	0
Reduced Diversion	0	0	0	-8	-21	-4	-5	3	6	11	6	0
Critically Dry												
Proposed Project (Post-Construction)	0	0	0	-19	-77	-66	-1	15	12	10	15	20
Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	-8	-23
Reduced Season of Diversion	0	0	0	-19	-77	-66	-1	15	12	10	15	20
Existing Infrastructure	0	0	0	-18	-56	-47	-26	11	10	9	15	19
Reduced Diversion	0	0	0	-13	-34	-23	-13	3	2	3	5	5

Source: Derived from data in Appendix B2

Note: Modeled flow decrease indicated in red and modeled flow increase indicated in blue.

cfs = cubic feet per second

Table G1.1-6. Changes in Streamflow in the South Fork American River Downstream of Chili Bar Dam, in cfs – Future Baseline vs Future Project, All Alternatives

Water Year Type/Alternative	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet												
Proposed Project (Post-Construction)	-2	0	-3	-20	-1	-1	-1	0	-1	-1	0	0
Direct Diversion Only	-2	0	0	0	-1	-1	-1	0	-1	-1	0	0
Reduced Season of Diversion	-2	0	-3	-20	-1	-1	-1	0	-1	-1	0	0
Existing Infrastructure	-2	0	-2	-17	0	0	0	1	0	0	0	0
Reduced Diversion	-2	0	-2	-12	0	0	0	1	0	0	0	0
Above Normal												
Proposed Project (Post-Construction)	0	0	-2	-39	2	6	0	3	-1	0	0	0
Direct Diversion Only	0	0	0	2	0	0	-1	3	-1	0	0	0
Reduced Season of Diversion	0	0	-2	-39	2	6	0	3	-1	0	0	0
Existing Infrastructure	0	0	-2	-35	2	6	1	4	0	0	0	0
Reduced Diversion	0	0	-2	-23	2	-1	2	4	0	0	0	0
Below Normal												
Proposed Project (Post-Construction)	-1	0	-2	-33	-22	-4	10	14	19	1	0	-1
Direct Diversion Only	-4	0	0	0	0	0	0	0	7	-2	0	-6
Reduced Season of Diversion	-1	0	-2	-33	-22	-4	10	14	19	1	0	-1
Existing Infrastructure	-2	0	-2	-27	-22	-1	10	13	19	1	0	-1
Reduced Diversion	-2	0	-2	-21	-20	-2	3	11	15	-1	0	-5
Dry												
Proposed Project (Post-Construction)	0	0	-3	-22	-62	-37	-4	19	23	5	-1	0
Direct Diversion Only	0	0	0	0	0	0	0	0	0	-12	-16	-17
Reduced Season of Diversion	0	0	-3	-22	-62	-37	-4	19	23	5	-1	0
Existing Infrastructure	0	0	-3	-21	-45	-35	-4	11	18	5	0	0
Reduced Diversion	0	0	-3	-17	-26	-16	-5	11	11	-7	-8	-1
Critically Dry												
Proposed Project (Post-Construction)	0	0	-4	-25	-81	-76	-15	5	9	1	-3	4
Direct Diversion Only	0	0	0	0	0	0	0	0	0	-12	-21	-49
Reduced Season of Diversion	0	0	-4	-25	-81	-76	-15	5	9	1	-2	3
Existing Infrastructure	0	0	-4	-23	-56	-50	-35	-3	8	-1	-7	-3
Reduced Diversion	0	0	-1	-18	-35	-18	-16	-1	3	-5	-14	-20

Source: Derived from data in Appendix B2

Note: Modeled flow decrease indicated in red and modeled flow increase indicated in blue.

cfs = cubic feet per second

Table G1.1-7. Changes in Streamflow in the South Fork American River at Salmon Falls, in cfs – Baseline vs Project, All Alternatives

Water Year Type/Alternative	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet												
Proposed Project (Post-Construction)	2	0	-1	-10	-1	-1	-1	-1	-1	-1	0	0
Direct Diversion Only	0	0	0	0	-1	-1	-1	-1	-1	-1	0	0
Reduced Season of Diversion	2	0	-1	-10	-1	-1	-1	-1	-1	-1	0	0
Existing Infrastructure	2	0	-1	-8	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	-1	-7	0	0	0	0	0	0	0	0
Above Normal												
Proposed Project (Post-Construction)	0	0	0	-3	-1	-1	0	-1	-1	0	0	0
Direct Diversion Only	0	0	0	-1	-1	-1	-1	-1	-1	0	0	0
Reduced Season of Diversion	0	0	0	-3	-1	-1	0	-1	-1	0	0	0
Existing Infrastructure	0	0	0	-5	0	0	1	0	0	0	0	0
Reduced Diversion	0	0	0	-9	0	0	1	0	0	0	0	0
Below Normal												
Proposed Project (Post-Construction)	2	0	0	-18	-2	2	4	4	3	2	0	4
Direct Diversion Only	-2	0	0	0	0	1	0	1	-1	0	0	-1
Reduced Season of Diversion	2	0	0	-18	-2	2	4	4	3	2	0	4
Existing Infrastructure	2	0	0	-15	-2	3	5	5	4	2	0	4
Reduced Diversion	-1	0	-1	-12	-4	2	5	5	4	2	0	4
Dry												
Proposed Project (Post-Construction)	0	0	0	-7	-30	-12	-8	8	10	13	6	0
Direct Diversion Only	0	0	0	0	0	0	0	0	-1	0	-9	-2
Reduced Season of Diversion	0	0	0	-7	-30	-12	-8	8	10	13	6	0
Existing Infrastructure	0	0	0	-7	-28	-7	-8	5	11	13	6	0
Reduced Diversion	0	0	0	-8	-21	-4	-5	2	6	11	6	0
Critically Dry												
Proposed Project (Post-Construction)	0	0	0	-19	-77	-66	-1	15	12	10	15	20
Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	-8	-23
Reduced Season of Diversion	0	0	0	-19	-77	-66	-1	15	12	10	15	20
Existing Infrastructure	0	0	0	-18	-56	-47	-26	11	10	9	15	19
Reduced Diversion	0	0	0	-13	-34	-23	-13	3	2	3	5	5

Source: Derived from data in Appendix B2

Note: Modeled flow decrease indicated in red and modeled flow increase indicated in blue.

cfs = cubic feet per second

Table G1.1-8. Changes in Streamflow in the South Fork American River at Salmon Falls, in cfs – Future Baseline vs Future Project, All Alternatives

Water Year Type/Alternative	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet												
Proposed Project (Post-Construction)	-2	0	-3	-20	-1	-1	-1	0	-1	-1	0	0
Direct Diversion Only	-2	0	0	0	-1	-1	-1	0	-1	-1	0	0
Reduced Season of Diversion	-2	0	-3	-20	-1	-1	-1	0	-1	-1	0	0
Existing Infrastructure	-2	0	-2	-17	0	0	0	1	0	0	0	0
Reduced Diversion	-2	0	-2	-12	0	0	0	1	0	0	0	0
Above Normal												
Proposed Project (Post-Construction)	0	0	-2	-39	2	6	0	3	-1	0	0	0
Direct Diversion Only	0	0	0	2	0	0	-1	3	-1	0	0	0
Reduced Season of Diversion	0	0	-2	-39	2	6	0	3	-1	0	0	0
Existing Infrastructure	0	0	-2	-35	2	6	1	4	0	0	0	0
Reduced Diversion	0	0	-2	-23	2	-1	2	4	0	0	0	0
Below Normal												
Proposed Project (Post-Construction)	-1	0	-2	-33	-22	-4	10	14	19	1	0	-1
Direct Diversion Only	-4	0	0	0	0	0	0	0	7	-2	0	-6
Reduced Season of Diversion	-1	0	-2	-33	-22	-4	10	14	19	1	0	-1
Existing Infrastructure	-2	0	-2	-27	-22	-1	10	13	19	1	0	-1
Reduced Diversion	-2	0	-2	-21	-20	-2	3	11	15	-1	0	-5
Dry												
Proposed Project (Post-Construction)	0	0	-3	-22	-62	-37	-4	19	23	5	-1	0
Direct Diversion Only	0	0	0	0	0	0	0	0	0	-12	-16	-17
Reduced Season of Diversion	0	0	-3	-22	-62	-37	-4	19	23	5	-1	0
Existing Infrastructure	0	0	-3	-21	-45	-35	-4	11	18	5	0	0
Reduced Diversion	0	0	-3	-17	-26	-16	-5	11	11	-7	-8	-1
Critically Dry												
Proposed Project (Post-Construction)	0	0	-4	-25	-81	-76	-15	5	9	1	-3	4
Direct Diversion Only	0	0	0	0	0	0	0	0	0	-12	-21	-49
Reduced Season of Diversion	0	0	-4	-25	-81	-76	-15	5	9	1	-2	3
Existing Infrastructure	0	0	-4	-23	-56	-50	-35	-3	8	-1	-7	-3
Reduced Diversion	0	0	-1	-18	-35	-18	-16	-1	3	-5	-14	-20

Source: Derived from data in Appendix B2

Note: Modeled flow decrease indicated in red and modeled flow increase indicated in blue.

cfs = cubic feet per second

Table G1.1-9. Changes in Streamflow in the Lower American River at Nimbus, in cfs – Baseline vs Project, All Alternatives

Water Year Type/Alternative	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet												
Proposed Project (Post-Construction)	0	-1	0	-5	-1	-1	-1	-3	-1	-1	0	0
Direct Diversion Only	0	0	0	-9	-1	0	-1	-1	-1	-1	0	0
Reduced Season of Diversion	0	-1	0	-5	-1	-1	-1	-3	-1	-1	0	0
Existing Infrastructure	0	-1	0	-1	-1	-1	-1	-3	-1	-1	0	0
Reduced Diversion	0	-1	0	-8	0	0	0	-2	0	0	0	0
Above Normal												
Proposed Project (Post-Construction)	0	0	-1	-3	0	0	0	-1	-1	-1	0	0
Direct Diversion Only	0	0	-1	0	0	0	-1	-1	-1	0	0	1
Reduced Season of Diversion	0	0	-1	-3	0	0	0	-1	-1	-1	0	0
Existing Infrastructure	0	0	-1	-3	0	0	0	-1	-1	-1	0	0
Reduced Diversion	0	0	0	-9	0	0	1	0	0	0	0	0
Below Normal												
Proposed Project (Post-Construction)	0	0	0	-3	0	-41	2	4	0	8	1	4
Direct Diversion Only	0	0	0	0	0	-9	-1	-1	0	0	0	0
Reduced Season of Diversion	0	0	0	-3	0	-40	2	4	0	8	1	4
Existing Infrastructure	0	0	0	-3	0	-38	2	3	0	8	1	3
Reduced Diversion	0	0	0	-2	0	-36	4	4	0	9	2	4
Dry												
Proposed Project (Post-Construction)	-1	0	0	0	-13	0	-3	0	-37	4	2	-1
Direct Diversion Only	-1	0	0	0	0	0	0	0	-2	-5	-1	0
Reduced Season of Diversion	-1	0	0	0	-13	0	-3	0	-37	4	2	0
Existing Infrastructure	-1	0	0	0	-12	0	-4	-3	-37	5	2	-1
Reduced Diversion	-1	0	0	0	-7	0	-2	-2	1	-2	2	0
Critically Dry												
Proposed Project (Post-Construction)	0	9	3	-2	-16	0	-28	1	-11	-17	1	2
Direct Diversion Only	-2	-3	1	0	0	0	1	-2	-2	-4	0	-4
Reduced Season of Diversion	0	8	3	-2	-16	0	-28	1	-11	-17	1	2
Existing Infrastructure	0	10	3	-1	-11	0	-26	0	-13	-15	1	2
Reduced Diversion	-1	-1	0	-1	-6	0	-11	-1	-9	-10	-1	1

Source: Derived from data in Appendix B3

Note: Modeled flow decrease indicated in red and modeled flow increase indicated in blue.

cfs = cubic feet per second

Table G1.1-10. Changes in Streamflow in the Lower American River at Nimbus, in cfs – Future Baseline vs Future Project, All Alternatives

Water Year Type/Alternative	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet												
Proposed Project (Post-Construction)	0	-1	0	-30	-1	-1	-1	-5	-1	0	-1	0
Direct Diversion Only	0	-3	0	-8	-1	-1	-1	1	-1	-1	0	0
Reduced Season of Diversion	0	-1	0	-29	-1	-1	-1	-5	-1	0	-1	0
Existing Infrastructure	0	-1	0	-27	0	0	0	-4	0	0	0	0
Reduced Diversion	0	-1	0	-22	0	0	0	-2	0		0	0
Above Normal												
Proposed Project (Post-Construction)	0	0	-1	-39	1	-1	7	2	-1	0	0	1
Direct Diversion Only	0	0	-1	3	-1	-1	-1	2	-1	0	0	1
Reduced Season of Diversion	0	0	-1	-40	1	-1	7	2	-1	0	-1	1
Existing Infrastructure	0	0	-1	-35	2	0	7	4	0	0	-1	1
Reduced Diversion	0	0	-1	-23	2	0	1	4	0	0	0	1
Below Normal												
Proposed Project (Post-Construction)	0	0	0	-21	-12	-85	13	10	5	16	0	2
Direct Diversion Only	0	0	0	-5	0	-22	0	-2	4	4	-2	-1
Reduced Season of Diversion	0	0	0	-21	-12	-85	13	9	5	16	0	3
Existing Infrastructure	0	0	0	-17	-12	-78	12	9	6	14	0	0
Reduced Diversion	0	0	0	-14	-10	-52	5	6	6	5	-2	-2
Dry												
Proposed Project (Post-Construction)	0	0	0	-9	-20	0	-8	-4	-3	-19	-4	-1
Direct Diversion Only	-1	0	0	0	0	0	0	0	-11	-15	-8	-1
Reduced Season of Diversion	-1	0	0	-9	-20	0	-8	-4	-4	-20	-4	-1
Existing Infrastructure	-1	0	0	-9	-14	0	-4	-6	-9	-19	-4	-1
Reduced Diversion	-1	0	0	-9	-8	0	-1	-2	-9	-19	-5	-1
Critically Dry												
Proposed Project (Post-Construction)	1	-5	-3	-2	-21	0	-22	-7	-22	-33	-23	-1
Direct Diversion Only	-6	-8	0	0	0	0	2	-7	-4	-12	-20	-7
Reduced Season of Diversion	1	-5	-3	-2	-21	0	-22	-7	-22	-33	-23	-1
Existing Infrastructure	-2	-5	-3	-1	-12	0	-20	-8	-20	-30	-23	-2
Reduced Diversion	-3	-6	-1	-1	-7	0	-8	-7	-13	-21	-19	-3

Source: Derived from data in Appendix B3

Note: Modeled flow decrease indicated in red and modeled flow increase indicated in blue.

cfs = cubic feet per second

G1.2 COMPARISON TABLES FOR WATER TEMPERATURE

Table G1.2-1. Monthly Water Temperature in the Lower American River at Watt Avenue (°C), Baseline vs Project, All Alternatives

Water Year Type/Alternative	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet												
Proposed Project (Post-Construction)	0	0	0	0	0	0	0	0	0	0	0	0
Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Season of Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal												
Proposed Project (Post-Construction)	0	0	0	0	0	0	0	0	0	0	0	0
Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Season of Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal												
Proposed Project (Post-Construction)	0	0	0	0	0	0	0	0	0	0	-0.1	0
Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	-0.1	0
Reduced Season of Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	-0.1	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Dry												
Proposed Project (Post-Construction)	0	0	0	0	0	0	0	0	0	0	0	0
Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Season of Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Critically Dry												
Proposed Project (Post-Construction)	0	0	0	0	0	0	0	0.1	0.1	0	0	0
Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0.1
Reduced Season of Diversion	0	0	0	0	0	0	0	0.1	0.1	0.1	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0.1	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0.1	0	0	0.1

Source: Derived from data in Appendix C

Note: Modeled temperature increase indicated in red and modeled temperature decrease indicated in blue.

°C = degrees Celsius

Table G1.2-2. Difference in Monthly Water Temperature in the Lower American River at Watt Avenue (°C), Future Baseline vs Future Project, All Alternatives

Water Year Type/Alternative	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet												
Proposed Project (Post-Construction)	0	0	0	0	0	0	0	0	0	0	0	0
Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Season of Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal												
Proposed Project (Post-Construction)	0	0	0	0	0	0	0	0	0	0	0	0
Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Season of Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal												
Proposed Project (Post-Construction)	0.1	0	0	0	0	0	0	0	0	0	0	0
Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	-0.1	0
Reduced Season of Diversion	0	0.1	0	0	0	0	0	0	0	0	0	0
Existing Infrastructure	0.1	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Dry												
Proposed Project (Post-Construction)	0	0	0	0	0	0	0	0	0	0.1	0	0
Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Season of Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0.1	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Critically Dry												
Proposed Project (Post-Construction)	0	0	0	0	0	0	0	0.1	0.1	0	0	0
Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Season of Diversion	0	0	0	0	0	0	0	0.1	0.1	0	0	0
Existing Infrastructure	0.1	0	0	0	0	0	0	0.1	0.1	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0.1	0	0	0

Source: Derived from data in Appendix C

Note: Modeled temperature increase indicated in red and modeled temperature decrease indicated in blue.

°C = degrees Celsius

Table G1.2-3. Baseline Water Temperature and Change in Water Temperature in the Lower American River at Watt Avenue, Proposed Project (Post-Construction) [Baseline vs. Project]

Scenario	Monthly Average Water Temperature at Watt Avenue (°C)																							
	Oct		Nov		Dec		Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep	
Wet																								
average condition	17.3	0.0	14.0	0.0	11.1	0.0	8.5	0.0	8.9	0.0	10.6	0.0	11.6	0.0	12.6	0.0	14.6	0.0	17.0	0.0	18.0	0.0	17.8	0.0
warmest baseline	19.4	0.0	14.6	0.0	12.5	0.0	9.5	0.0	9.8	0.0	12.1	0.0	13.4	0.0	14.1	0.0	16.3	0.0	17.8	0.0	18.3	0.1	18.3	0.0
greatest change	19.3	0.0	13.2	0.0	10.6	0.1	8.1	0.0	8.8	0.0	12.1	0.0	13.4	0.0	13.7	0.0	16.3	0.0	17.8	0.0	18.3	0.1	18.3	0.0
Above Normal																								
average condition	16.8	0.0	14.0	0.0	11.3	0.0	9.0	0.0	9.0	0.0	11.9	0.0	12.8	0.0	13.6	0.0	15.8	0.0	17.8	0.0	18.3	0.0	18.2	0.0
warmest baseline	17.3	0.0	14.2	0.0	12.0	0.0	9.2	0.0	9.7	0.0	12.5	0.0	12.8	0.0	13.8	0.0	16.3	0.0	18.2	0.0	18.4	0.0	18.4	-0.1
greatest change	16.6	0.1	13.9	0.0	12.0	0.0	9.2	0.0	9.7	0.0	11.5	0.0	12.8	0.0	13.7	0.0	16.3	0.0	18.2	0.0	18.3	0.0	18.2	0.0
Below Normal																								
average condition	17.3	0.0	14.0	0.0	10.6	0.0	8.7	0.0	9.0	0.0	11.2	0.0	13.2	0.0	14.3	0.0	15.8	0.0	18.3	0.0	18.6	-0.1	18.2	0.0
warmest baseline	19.0	0.2	14.5	0.0	11.4	0.0	9.2	0.0	10.0	0.0	11.9	0.0	14.0	0.0	15.1	0.0	16.3	0.0	18.7	0.0	19.0	0.0	18.9	0.0
greatest change	19.0	0.2	14.0	0.0	11.4	0.0	8.3	0.0	8.2	0.0	10.6	0.1	14.0	0.0	14.7	0.0	16.2	0.0	17.9	0.0	18.9	0.0	18.4	0.0
Dry																								
average condition	16.8	0.0	14.0	0.0	10.7	0.0	8.5	0.0	9.5	0.0	12.2	0.0	14.4	0.0	15.5	0.0	17.1	0.0	18.8	0.0	19.7	0.0	19.4	0.0
warmest baseline	18.7	0.1	14.3	0.0	11.4	0.0	8.8	0.0	10.5	0.0	13.4	0.0	15.6	0.0	17.4	0.0	18.7	0.0	20.1	0.0	21.1	0.0	20.9	0.0
greatest change	18.7	0.1	14.3	0.0	10.6	0.0	8.4	0.0	9.4	0.0	13.4	0.0	14.8	0.0	15.4	0.1	17.7	0.2	18.3	0.0	19.4	0.0	19.3	0.0
Critically Dry																								
average condition	17.4	0.0	14.1	0.0	10.9	0.0	9.1	0.0	10.0	0.0	12.6	0.0	15.2	0.0	17.5	0.1	18.9	0.1	20.0	0.0	20.8	0.0	20.3	0.0
warmest baseline	19.3	0.2	15.2	0.1	11.9	0.0	9.9	0.0	10.9	0.0	13.3	0.1	16.4	0.0	19.1	0.1	20.9	0.3	21.9	0.0	23.4	0.0	21.7	0.0
greatest change	19.3	0.2	14.0	0.2	11.0	0.0	9.2	0.0	10.5	0.0	13.3	0.1	15.1	0.2	18.2	0.1	20.9	0.3	18.7	0.2	20.0	0.1	20.6	0.5

Source: Derived from data in Appendix C

Note: Modeled temperature increase >0.2°C indicated in red

°C = degrees Celsius

Table G1.2-4. Baseline Water Temperature and Change in Water Temperature in the Lower American River at Watt Avenue, Proposed Project (Post-Construction) [Future Baseline vs. Future Project]

Scenario	Monthly Average Water Temperature at Watt Avenue (°C)																							
	Oct		Nov		Dec		Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep	
Wet																								
average condition	17.3	0.0	14.0	0.0	11.1	0.0	8.5	0.0	8.9	0.0	10.6	0.0	11.6	0.0	12.6	0.0	14.6	0.0	17.0	0.0	18.0	0.0	17.8	0.0
warmest baseline	19.4	0.1	14.6	0.2	12.5	0.0	9.5	0.0	9.8	0.0	12.1	0.0	13.4	0.0	14.1	0.0	16.3	0.0	17.8	0.0	18.4	0.1	18.3	0.0
greatest change	19.4	0.1	14.6	0.2	10.6	0.1	8.7	0.0	9.7	0.0	11.8	0.0	13.4	0.0	13.7	0.0	16.3	0.0	17.8	0.0	18.4	0.1	17.1	0.1
Above Normal																								
average condition	16.8	0.0	14.0	0.0	11.3	0.0	9.0	0.0	9.0	0.0	11.9	0.0	12.8	0.0	13.6	0.0	15.8	0.0	17.8	0.0	18.3	0.0	18.2	0.0
warmest baseline	17.3	0.0	14.2	0.0	12.0	0.0	9.2	0.0	9.7	0.0	12.5	0.0	12.8	0.0	13.8	0.0	16.3	0.0	18.2	0.0	18.4	0.0	18.4	-0.1
greatest change	16.6	0.1	13.9	0.0	12.0	0.0	9.2	0.0	9.7	0.0	11.7	0.0	12.8	0.0	13.8	0.0	16.3	0.0	18.2	0.0	18.3	0.0	18.2	0.0
Below Normal																								
average condition	17.3	0.1	14.0	0.0	10.6	0.0	8.7	0.0	9.0	0.0	11.2	0.0	13.2	0.0	14.3	0.0	15.8	0.0	18.3	0.0	18.6	0.0	18.2	0.0
warmest baseline	19.0	0.2	14.5	0.0	11.4	0.0	9.2	0.0	10.0	0.0	11.9	0.0	14.0	0.0	15.1	0.0	16.3	0.0	18.7	0.0	18.9	0.0	18.9	0.0
greatest change	19.0	0.2	13.0	0.0	10.3	0.0	8.2	0.0	8.2	0.1	10.6	0.1	14.0	0.0	14.7	0.0	16.3	0.0	17.8	0.1	18.9	0.0	18.4	0.0
Dry																								
average condition	16.8	0.0	14.0	0.0	10.7	0.0	8.5	0.0	9.5	0.0	12.2	0.0	14.4	0.0	15.5	0.0	17.1	0.0	18.8	0.1	19.7	0.0	19.4	0.0
warmest baseline	18.7	0.1	14.3	0.0	11.4	0.0	8.8	0.0	10.5	0.0	13.5	0.0	15.6	0.0	17.4	0.1	18.7	0.2	20.2	0.1	21.1	0.0	20.9	0.0
greatest change	18.7	0.1	13.8	0.0	11.0	0.0	8.8	0.0	9.4	0.0	12.1	0.0	14.8	0.1	17.4	0.1	18.7	0.2	18.5	0.1	21.1	0.0	19.8	0.0
Critically Dry																								
average condition	17.4	0.0	14.1	0.0	10.9	0.0	9.1	0.0	10.0	0.0	12.6	0.0	15.1	0.0	17.5	0.1	18.9	0.1	20.1	0.0	20.7	0.0	20.3	0.0
warmest baseline	19.3	0.1	15.2	0.0	11.9	0.0	9.9	0.0	10.9	0.0	13.3	0.1	16.4	0.0	19.1	0.1	21.1	0.1	21.9	0.0	23.4	0.0	21.7	0.0
greatest change	19.3	0.1	13.5	0.0	11.9	0.0	8.5	0.0	10.5	0.0	13.3	0.1	15.1	0.2	18.2	0.2	17.9	0.3	18.7	0.2	20.0	0.1	19.8	0.1

Source: Derived from data in Appendix C

Note: Modeled temperature increase >0.2°C indicated in red

°C = degrees Celsius

Table G1.2-5. Baseline Water Temperature and Change in Water Temperature in the Lower American River at Watt Avenue, Direct Diversion Only [Baseline vs. Project]

Scenario	Monthly Average Water Temperature at Watt Avenue (°C)																							
	Oct		Nov		Dec		Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep	
Wet																								
average condition	17.3	0.0	14.0	0.0	11.1	0.0	8.5	0.0	8.9	0.0	10.6	0.0	11.6	0.0	12.6	0.0	14.6	0.0	17.0	0.0	18.0	0.0	17.8	0.0
warmest baseline	19.4	0.0	14.6	-0.1	12.5	0.0	9.5	0.0	9.8	0.0	12.1	0.0	13.4	0.0	14.1	0.0	16.3	0.0	17.8	0.0	18.3	0.0	18.3	0.0
greatest change	19.4	0.0	14.5	0.0	12.5	0.0	9.5	0.0	9.8	0.0	11.8	0.0	13.4	0.0	14.1	0.0	16.3	0.0	17.8	0.0	18.3	0.0	18.0	0.0
Above Normal																								
average condition	16.8	0.0	14.0	0.0	11.3	0.0	9.0	0.0	9.0	0.0	11.9	0.0	12.8	0.0	13.6	0.0	15.8	0.0	17.8	0.0	18.3	0.0	18.2	0.0
warmest baseline	17.3	0.0	14.2	0.0	12.0	0.0	9.2	0.0	9.7	0.0	12.5	0.0	12.8	0.0	13.8	0.0	16.3	0.0	18.2	0.1	18.4	0.0	18.4	0.0
greatest change	16.6	0.0	14.2	0.0	10.7	0.0	9.2	0.0	9.7	0.0	12.5	0.0	12.8	0.0	13.8	0.0	16.3	0.0	18.2	0.1	18.4	0.0	18.2	0.0
Below Normal																								
average condition	17.3	0.0	14.0	0.0	10.6	0.0	8.7	0.0	9.0	0.0	11.2	0.0	13.2	0.0	14.3	0.0	15.8	0.0	18.3	0.0	18.6	-0.1	18.2	0.0
warmest baseline	19.0	0.0	14.5	0.0	11.4	0.0	9.2	0.0	10.0	0.0	11.9	0.0	14.0	0.0	15.1	0.0	16.3	0.0	18.7	0.0	19.0	0.0	18.9	0.0
greatest change	18.8	0.1	14.5	0.0	11.4	0.0	9.2	0.0	8.2	0.0	10.6	0.0	14.0	0.0	15.1	0.0	16.3	0.0	18.7	0.0	19.0	0.0	18.9	0.0
Dry																								
average condition	16.8	0.0	14.0	0.0	10.7	0.0	8.5	0.0	9.5	0.0	12.2	0.0	14.4	0.0	15.5	0.0	17.1	0.0	18.8	0.0	19.7	0.0	19.4	0.0
warmest baseline	18.7	0.0	14.3	0.0	11.4	0.0	8.8	0.0	10.5	0.0	13.4	0.0	15.6	0.0	17.4	0.0	18.7	0.0	20.1	0.0	21.1	0.0	20.9	0.0
greatest change	18.0	0.0	14.3	0.0	10.6	0.0	8.8	0.0	9.5	0.0	13.4	0.0	14.8	0.0	15.4	0.0	17.7	0.0	18.5	0.0	19.4	0.0	20.9	0.0
Critically Dry																								
average condition	17.4	0.0	14.1	0.0	10.9	0.0	9.1	0.0	10.0	0.0	12.6	0.0	15.2	0.0	17.5	0.0	18.9	0.0	20.0	0.0	20.8	0.0	20.3	0.1
warmest baseline	19.3	0.0	15.2	0.0	11.9	0.0	9.9	0.0	10.9	0.0	13.3	0.0	16.4	0.0	19.1	0.0	20.9	0.0	21.9	0.0	23.4	0.0	21.7	0.1
greatest change	19.3	0.0	14.0	0.2	11.0	0.0	8.5	0.0	8.8	0.0	13.3	0.0	16.4	0.0	19.0	0.0	20.8	0.1	21.4	0.2	23.4	0.0	20.6	0.5

Source: Derived from data in Appendix C

Note: Modeled temperature increase >0.2°C indicated in red

°C = degrees Celsius

Table G1.2-6. Baseline Water Temperature and Change in Water Temperature in the Lower American River at Watt Avenue, Direct Diversion Only [Future Baseline vs. Future Project]

Scenario	Monthly Average Water Temperature at Watt Avenue (°C)																							
	Oct		Nov		Dec		Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep	
Wet																								
average condition	17.3	0.0	14.0	0.0	11.1	0.0	8.5	0.0	8.9	0.0	10.6	0.0	11.6	0.0	12.6	0.0	14.6	0.0	17.0	0.0	18.0	0.0	17.8	0.0
warmest baseline	19.4	0.0	14.6	0.0	12.5	0.0	9.5	0.0	9.8	0.0	12.1	0.0	13.4	0.0	14.1	0.0	16.3	0.0	17.8	0.0	18.4	-0.1	18.3	0.0
greatest change	19.4	0.0	13.9	0.0	11.1	0.0	8.7	0.0	9.5	0.0	11.8	0.0	12.4	0.0	14.1	0.0	16.3	0.0	17.8	0.0	18.2	0.0	18.2	0.0
Above Normal																								
average condition	16.8	0.0	14.0	0.0	11.3	0.0	9.0	0.0	9.0	0.0	11.9	0.0	12.8	0.0	13.6	0.0	15.8	0.0	17.8	0.0	18.3	0.0	18.2	0.0
warmest baseline	17.3	0.0	14.2	0.0	12.0	0.0	9.2	0.0	9.7	0.0	12.5	0.0	12.8	0.0	13.8	0.0	16.3	0.0	18.2	0.1	18.4	0.0	18.4	0.0
greatest change	16.6	0.0	14.2	0.0	10.7	0.0	9.2	0.0	9.7	0.0	12.5	0.0	12.8	0.0	13.8	0.0	16.3	0.0	18.2	0.1	18.4	0.0	18.2	0.0
Below Normal																								
average condition	17.3	0.0	14.0	0.0	10.6	0.0	8.7	0.0	9.0	0.0	11.2	0.0	13.2	0.0	14.3	0.0	15.8	0.0	18.3	0.0	18.6	-0.1	18.2	0.0
warmest baseline	19.0	0.1	14.5	0.0	11.4	0.0	9.2	0.0	10.0	0.0	11.9	0.0	14.0	0.0	15.1	0.0	16.3	0.0	18.7	0.0	18.9	0.0	18.9	0.0
greatest change	19.0	0.1	14.5	0.0	10.8	0.0	9.0	0.0	9.0	0.0	10.6	0.0	14.0	0.0	15.1	0.0	16.3	0.0	17.8	0.1	18.9	0.0	17.7	0.0
Dry																								
average condition	16.8	0.0	14.0	0.0	10.7	0.0	8.5	0.0	9.5	0.0	12.2	0.0	14.4	0.0	15.5	0.0	17.1	0.0	18.8	0.0	19.7	0.0	19.4	0.0
warmest baseline	18.7	0.0	14.3	0.0	11.4	0.0	8.8	0.0	10.5	0.0	13.5	0.0	15.6	0.0	17.4	0.0	18.7	0.0	20.2	0.0	21.1	0.0	20.9	0.0
greatest change	18.0	0.0	14.3	0.0	11.4	0.0	8.8	0.0	9.5	0.0	12.1	0.0	15.6	0.0	15.5	0.0	18.7	0.0	18.5	0.1	21.1	0.0	19.8	0.0
Critically Dry																								
average condition	17.4	0.0	14.1	0.0	10.9	0.0	9.1	0.0	10.0	0.0	12.6	0.0	15.1	0.0	17.5	0.0	18.9	0.0	20.1	0.0	20.7	0.0	20.3	0.0
warmest baseline	19.3	0.0	15.2	0.0	11.9	0.0	9.9	0.0	10.9	0.0	13.3	0.0	16.4	0.0	19.1	0.0	21.1	-0.3	21.9	-0.1	23.4	0.0	21.7	0.1
greatest change	19.3	0.0	14.1	0.1	11.0	0.0	8.5	0.0	10.0	0.0	11.6	0.0	15.7	0.1	16.7	0.0	20.8	0.1	21.4	0.2	23.4	0.0	21.7	0.1

Source: Derived from data in Appendix C

Note: Modeled temperatures did not increase by >0.2°C

°C = degrees Celsius

Table G1.2-7. Baseline Water Temperature and Change in Water Temperature in the Lower American River at Watt Avenue, Reduced Season of Diversion [Baseline vs. Project]

Scenario	Monthly Average Water Temperature at Watt Avenue (°C)																							
	Oct		Nov		Dec		Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep	
Wet																								
average condition	17.3	0.0	14.0	0.0	11.1	0.0	8.5	0.0	8.9	0.0	10.6	0.0	11.6	0.0	12.6	0.0	14.6	0.0	17.0	0.0	18.0	0.0	17.8	0.0
warmest baseline	19.4	0.1	14.6	-0.1	12.5	0.0	9.5	0.0	9.8	0.0	12.1	0.0	13.4	0.0	14.1	0.0	16.3	0.0	17.8	0.0	18.3	0.1	18.3	0.0
greatest change	19.4	0.1	13.2	0.0	10.6	0.1	8.1	0.0	8.8	0.0	11.8	0.0	13.4	0.0	13.7	0.0	15.2	0.0	17.8	0.0	18.3	0.1	18.3	0.0
Above Normal																								
average condition	16.8	0.0	14.0	0.0	11.3	0.0	9.0	0.0	9.0	0.0	11.9	0.0	12.8	0.0	13.6	0.0	15.8	0.0	17.8	0.0	18.3	0.0	18.2	0.0
warmest baseline	17.3	0.0	14.2	0.0	12.0	0.0	9.2	0.0	9.7	0.0	12.5	0.0	12.8	0.0	13.8	0.0	16.3	0.0	18.2	0.0	18.4	0.0	18.4	-0.1
greatest change	16.6	0.1	13.9	0.0	12.0	0.0	9.2	0.0	9.7	0.0	12.5	0.0	12.8	0.0	13.7	0.0	16.3	0.0	18.2	0.0	18.3	0.0	18.2	0.0
Below Normal																								
average condition	17.3	0.0	14.0	0.0	10.6	0.0	8.7	0.0	9.0	0.0	11.2	0.0	13.2	0.0	14.3	0.0	15.8	0.0	18.3	0.0	18.6	0.0	18.2	0.0
warmest baseline	19.0	0.2	14.5	0.0	11.4	0.0	9.2	0.0	10.0	0.0	11.9	0.0	14.0	0.0	15.1	0.0	16.3	0.0	18.7	0.0	19.0	0.0	18.9	0.0
greatest change	19.0	0.2	14.5	0.0	11.4	0.0	8.3	0.0	8.2	0.0	10.6	0.1	14.0	0.0	14.7	0.0	15.7	0.0	18.7	0.0	18.0	0.0	18.4	0.0
Dry																								
average condition	16.8	0.0	14.0	0.0	10.7	0.0	8.5	0.0	9.5	0.0	12.2	0.0	14.4	0.0	15.5	0.0	17.1	0.0	18.8	0.0	19.7	0.0	19.4	0.0
warmest baseline	18.7	0.1	14.3	0.0	11.4	0.0	8.8	0.0	10.5	0.0	13.4	0.0	15.6	0.0	17.4	0.0	18.7	0.0	20.1	0.0	21.1	0.0	20.9	0.0
greatest change	18.7	0.1	14.3	0.0	10.6	0.0	8.8	0.0	9.4	0.0	13.4	0.0	14.8	0.0	15.4	0.1	17.7	0.2	20.1	0.0	19.9	0.0	19.3	0.0
Critically Dry																								
average condition	17.4	0.0	14.1	0.0	10.9	0.0	9.1	0.0	10.0	0.0	12.6	0.0	15.2	0.0	17.5	0.1	18.9	0.1	20.0	0.1	20.8	0.0	20.3	0.0
warmest baseline	19.3	0.2	15.2	0.1	11.9	0.0	9.9	0.0	10.9	0.0	13.3	0.1	16.4	0.0	19.1	0.1	20.9	0.3	21.9	0.1	23.4	0.0	21.7	0.0
greatest change	19.3	0.2	15.2	0.1	11.0	0.0	9.2	0.0	10.5	0.0	13.3	0.1	15.1	0.2	18.2	0.1	20.9	0.3	21.4	0.3	20.0	0.1	20.6	0.5

Source: Derived from data in Appendix C

Note: Modeled temperature increase >0.2°C indicated in red

°C = degrees Celsius

Table G1.2-8. Baseline Water Temperature and Change in Water Temperature in the Lower American River at Watt Avenue, Reduced Season of Diversion [Future Baseline vs. Future Project]

Scenario	Monthly Average Water Temperature at Watt Avenue (°C)																							
	Oct		Nov		Dec		Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep	
Wet																								
average condition	17.3	0.0	14.0	0.0	11.1	0.0	8.5	0.0	8.9	0.0	10.6	0.0	11.6	0.0	12.6	0.0	14.6	0.0	17.0	0.0	18.0	0.0	17.8	0.0
warmest baseline	19.4	0.1	14.6	0.2	12.5	0.0	9.5	0.0	9.8	0.0	12.1	0.0	13.4	0.0	14.1	0.0	16.3	0.0	17.8	0.0	18.4	0.1	18.3	0.0
greatest change	19.4	0.1	14.6	0.2	10.6	0.0	8.7	0.0	9.7	0.0	11.8	0.0	13.4	0.0	14.1	0.0	16.3	0.0	17.8	0.0	18.4	0.1	18.2	0.0
Above Normal																								
average condition	16.8	0.0	14.0	0.0	11.3	0.0	9.0	0.0	9.0	0.0	11.9	0.0	12.8	0.0	13.6	0.0	15.8	0.0	17.8	0.0	18.3	0.0	18.2	0.0
warmest baseline	17.3	0.0	14.2	0.0	12.0	0.0	9.2	0.0	9.7	0.0	12.5	0.0	12.8	0.0	13.8	0.0	16.3	0.0	18.2	0.0	18.4	0.0	18.4	0.0
greatest change	16.6	0.1	14.2	0.0	12.0	0.0	9.2	0.0	9.7	0.0	12.5	0.0	12.8	0.0	13.4	0.0	16.3	0.0	18.2	0.0	18.3	0.0	18.2	0.0
Below Normal																								
average condition	17.3	0.0	14.0	0.1	10.6	0.0	8.7	0.0	9.0	0.0	11.2	0.0	13.2	0.0	14.3	0.0	15.8	0.0	18.3	0.0	18.6	0.0	18.2	0.0
warmest baseline	19.0	0.2	14.5	0.4	11.4	0.0	9.2	0.0	10.0	0.0	11.9	0.0	14.0	0.0	15.1	0.0	16.3	0.0	18.7	0.0	18.9	0.0	18.9	0.0
greatest change	19.0	0.2	14.5	0.4	10.3	0.0	8.2	0.0	8.2	0.1	10.6	0.1	14.0	0.0	14.7	0.0	16.3	0.0	17.8	0.1	18.9	0.0	18.4	0.0
Dry																								
average condition	16.8	0.0	14.0	0.0	10.7	0.0	8.5	0.0	9.5	0.0	12.2	0.0	14.4	0.0	15.5	0.0	17.1	0.0	18.8	0.0	19.7	0.0	19.4	0.0
warmest baseline	18.7	0.1	14.3	0.0	11.4	0.0	8.8	0.0	10.5	0.0	13.5	0.0	15.6	0.0	17.4	0.1	18.7	0.2	20.2	0.1	21.1	0.0	20.9	0.0
greatest change	18.7	0.1	13.8	0.0	11.0	0.0	8.8	0.0	9.4	0.0	12.1	0.0	14.8	0.1	17.4	0.1	18.7	0.2	18.5	0.1	21.1	0.0	19.8	0.0
Critically Dry																								
average condition	17.4	0.0	14.1	0.0	10.9	0.0	9.1	0.0	10.0	0.0	12.6	0.0	15.1	0.0	17.5	0.1	18.9	0.1	20.1	0.0	20.7	0.0	20.3	0.0
warmest baseline	19.3	0.1	15.2	0.0	11.9	0.0	9.9	0.0	10.9	0.0	13.3	0.1	16.4	0.0	19.1	0.1	21.1	0.1	21.9	0.0	23.4	0.0	21.7	0.0
greatest change	19.3	0.1	14.8	0.0	10.7	0.0	8.5	0.0	10.5	0.0	13.3	0.1	15.1	0.2	16.7	0.2	20.8	0.3	21.4	0.2	20.0	0.1	21.1	0.0

Source: Derived from data in Appendix C

Note: Modeled temperature increase >0.2°C indicated in red

°C = degrees Celsius

Table G1.2-9. Baseline Water Temperature and Change in Water Temperature in the Lower American River at Watt Avenue, Existing Infrastructure [Baseline vs. Project]

Scenario	Monthly Average Water Temperature at Watt Avenue (°C)																							
	Oct		Nov		Dec		Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep	
Wet																								
average condition	17.3	0.0	14.0	0.0	11.1	0.0	8.5	0.0	8.9	0.0	10.6	0.0	11.6	0.0	12.6	0.0	14.6	0.0	17.0	0.0	18.0	0.0	17.8	0.0
warmest baseline	19.4	0.0	14.6	-0.1	12.5	0.0	9.5	0.0	9.8	0.0	12.1	0.0	13.4	0.0	14.1	0.0	16.3	0.0	17.8	0.0	18.3	0.0	18.3	0.0
greatest change	19.4	0.0	13.2	0.0	10.6	0.0	8.1	0.0	8.8	0.0	11.3	0.0	13.4	0.0	13.7	0.0	15.4	0.0	17.4	0.0	18.2	0.0	17.1	0.1
Above Normal																								
average condition	16.8	0.0	14.0	0.0	11.3	0.0	9.0	0.0	9.0	0.0	11.9	0.0	12.8	0.0	13.6	0.0	15.8	0.0	17.8	0.0	18.3	0.0	18.2	0.0
warmest baseline	17.3	0.0	14.2	0.0	12.0	0.0	9.2	0.0	9.7	0.0	12.5	0.0	12.8	0.0	13.8	0.0	16.3	0.0	18.2	0.1	18.4	0.0	18.4	0.0
greatest change	16.6	0.0	14.2	0.0	10.7	0.0	9.2	0.0	9.7	0.0	12.5	0.0	12.8	0.0	13.7	0.0	16.3	0.0	18.2	0.1	18.4	0.0	18.2	0.0
Below Normal																								
average condition	17.3	0.0	14.0	0.0	10.6	0.0	8.7	0.0	9.0	0.0	11.2	0.0	13.2	0.0	14.3	0.0	15.8	0.0	18.3	0.0	18.6	-0.1	18.2	0.0
warmest baseline	19.0	0.2	14.5	0.0	11.4	0.0	9.2	0.0	10.0	0.0	11.9	0.0	14.0	0.0	15.1	0.0	16.3	0.0	18.7	0.0	19.0	0.0	18.9	0.0
greatest change	19.0	0.2	14.5	0.0	10.7	0.0	8.3	0.0	8.2	0.0	10.6	0.1	14.0	0.0	14.7	0.0	16.2	0.0	17.8	0.0	18.2	0.1	18.4	0.0
Dry																								
average condition	16.8	0.0	14.0	0.0	10.7	0.0	8.5	0.0	9.5	0.0	12.2	0.0	14.4	0.0	15.5	0.0	17.1	0.0	18.8	0.0	19.7	0.0	19.4	0.0
warmest baseline	18.7	0.1	14.3	0.0	11.4	0.0	8.8	0.0	10.5	0.0	13.4	0.0	15.6	0.0	17.4	0.0	18.7	0.0	20.1	0.0	21.1	0.0	20.9	0.0
greatest change	18.7	0.1	14.3	0.0	10.6	0.0	8.4	0.0	9.4	0.0	13.4	0.0	14.8	0.0	15.4	0.0	17.7	0.2	18.3	0.0	19.9	0.0	18.3	0.0
Critically Dry																								
average condition	17.4	0.0	14.1	0.0	10.9	0.0	9.1	0.0	10.0	0.0	12.6	0.0	15.2	0.0	17.5	0.0	18.9	0.1	20.0	0.0	20.8	0.0	20.3	0.0
warmest baseline	19.3	0.1	15.2	0.1	11.9	0.0	9.9	0.0	10.9	0.0	13.3	0.1	16.4	0.0	19.1	0.1	20.9	0.3	21.9	0.0	23.4	0.0	21.7	0.0
greatest change	19.3	0.1	14.0	0.2	11.0	0.0	9.2	0.0	10.5	0.0	13.3	0.1	15.1	0.1	18.2	0.1	20.9	0.3	21.4	0.3	20.0	0.1	20.6	0.5

Source: Derived from data in Appendix C

Note: Modeled temperature increase >0.2°C indicated in red

°C = degrees Celsius

Table G1.2-10. Baseline Water Temperature and Change in Water Temperature in the Lower American River at Watt Avenue, Existing Infrastructure [Future Baseline vs. Future Project]

Scenario	Monthly Average Water Temperature at Watt Avenue (°C)																							
	Oct		Nov		Dec		Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep	
Wet																								
average condition	17.3	0.0	14.0	0.0	11.1	0.0	8.5	0.0	8.9	0.0	10.6	0.0	11.6	0.0	12.6	0.0	14.6	0.0	17.0	0.0	18.0	0.0	17.8	0.0
warmest baseline	19.4	0.1	14.6	0.2	12.5	0.0	9.5	0.0	9.8	0.0	12.1	0.0	13.4	0.0	14.1	0.0	16.3	0.0	17.8	0.0	18.4	-0.1	18.3	0.0
greatest change	19.4	0.1	14.6	0.2	10.1	0.0	8.7	0.0	9.7	0.0	11.8	0.0	13.4	0.0	13.7	0.0	15.9	0.0	17.8	0.0	18.2	0.0	18.2	0.0
Above Normal																								
average condition	16.8	0.0	14.0	0.0	11.3	0.0	9.0	0.0	9.0	0.0	11.9	0.0	12.8	0.0	13.6	0.0	15.8	0.0	17.8	0.0	18.3	0.0	18.2	0.0
warmest baseline	17.3	0.0	14.2	0.0	12.0	0.0	9.2	0.0	9.7	0.0	12.5	0.0	12.8	0.0	13.8	0.0	16.3	0.0	18.2	0.1	18.4	0.0	18.4	0.0
greatest change	16.6	0.0	14.2	0.0	10.7	0.0	9.2	0.0	9.7	0.0	12.5	0.0	12.8	0.0	13.8	0.0	16.3	0.0	18.2	0.1	18.4	0.0	18.2	0.0
Below Normal																								
average condition	17.3	0.1	14.0	0.0	10.6	0.0	8.7	0.0	9.0	0.0	11.2	0.0	13.2	0.0	14.3	0.0	15.8	0.0	18.3	0.0	18.6	0.0	18.2	0.0
warmest baseline	19.0	0.2	14.5	0.0	11.4	0.0	9.2	0.0	10.0	0.0	11.9	0.0	14.0	0.0	15.1	0.0	16.3	0.0	18.7	0.0	18.9	0.0	18.9	0.0
greatest change	19.0	0.2	14.5	0.0	10.3	0.0	9.0	0.0	8.2	0.0	10.6	0.1	14.0	0.0	14.7	0.0	16.3	0.0	17.8	0.1	18.9	0.0	18.4	0.0
Dry																								
average condition	16.8	0.0	14.0	0.0	10.7	0.0	8.5	0.0	9.5	0.0	12.2	0.0	14.4	0.0	15.5	0.0	17.1	0.0	18.8	0.0	19.7	0.1	19.4	0.0
warmest baseline	18.7	0.1	14.3	0.0	11.4	0.0	8.8	0.0	10.5	0.0	13.5	0.0	15.6	0.0	17.4	0.1	18.7	0.2	20.2	0.1	21.1	0.0	20.9	0.0
greatest change	18.7	0.1	14.3	0.0	11.0	0.0	8.8	0.0	9.4	0.0	12.1	0.0	14.8	0.0	17.4	0.1	18.7	0.2	18.5	0.1	19.9	0.5	19.3	0.0
Critically Dry																								
average condition	17.4	0.1	14.1	0.0	10.9	0.0	9.1	0.0	10.0	0.0	12.6	0.0	15.1	0.0	17.5	0.1	18.9	0.1	20.1	0.0	20.7	0.0	20.3	0.0
warmest baseline	19.3	0.0	15.2	0.0	11.9	0.0	9.9	0.0	10.9	0.0	13.3	0.1	16.4	0.0	19.1	0.1	21.1	0.1	21.9	0.0	23.4	0.0	21.7	0.0
greatest change	18.1	0.8	13.5	0.0	11.9	0.0	8.5	0.0	10.9	0.0	13.3	0.1	15.1	0.2	16.7	0.2	20.8	0.3	18.7	0.2	20.0	0.1	19.8	0.0

Source: Derived from data in Appendix C

Note: Modeled temperature increase >0.2°C indicated in red

°C = degrees Celsius

Table G1.2-11. Baseline Water Temperature and Change in Water Temperature in the Lower American River at Watt Avenue, Reduced Diversion [Baseline vs. Project]

Scenario	Monthly Average Water Temperature at Watt Avenue (°C)																							
	Oct		Nov		Dec		Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep	
Wet																								
average condition	17.3	0.0	14.0	0.0	11.1	0.0	8.5	0.0	8.9	0.0	10.6	0.0	11.6	0.0	12.6	0.0	14.6	0.0	17.0	0.0	18.0	0.0	17.8	0.0
warmest baseline	19.4	0.1	14.6	-0.1	12.5	0.0	9.5	0.0	9.8	0.0	12.1	0.0	13.4	0.0	14.1	0.0	16.3	0.0	17.8	0.0	18.3	0.1	18.3	0.0
greatest change	19.4	0.1	14.5	0.0	10.6	0.0	9.5	0.0	9.8	0.0	11.8	0.0	13.4	0.0	13.7	0.0	15.4	0.0	17.8	0.0	18.3	0.1	17.1	0.1
Above Normal																								
average condition	16.8	0.0	14.0	0.0	11.3	0.0	9.0	0.0	9.0	0.0	11.9	0.0	12.8	0.0	13.6	0.0	15.8	0.0	17.8	0.0	18.3	0.0	18.2	0.0
warmest baseline	17.3	0.0	14.2	0.0	12.0	0.0	9.2	0.0	9.7	0.0	12.5	0.0	12.8	0.0	13.8	0.0	16.3	0.0	18.2	0.0	18.4	0.0	18.4	-0.1
greatest change	16.6	0.1	13.9	0.0	12.0	0.0	9.2	0.0	9.7	0.0	12.5	0.0	12.8	0.0	13.8	0.0	16.3	0.0	18.2	0.0	18.3	0.0	18.2	0.0
Below Normal																								
average condition	17.3	0.0	14.0	0.0	10.6	0.0	8.7	0.0	9.0	0.0	11.2	0.0	13.2	0.0	14.3	0.0	15.8	0.0	18.3	0.0	18.6	0.0	18.2	0.0
warmest baseline	19.0	0.1	14.5	0.0	11.4	0.0	9.2	0.0	10.0	0.0	11.9	0.0	14.0	0.0	15.1	0.0	16.3	0.0	18.7	0.0	19.0	0.0	18.9	0.0
greatest change	19.0	0.1	14.5	0.0	11.4	0.0	8.3	0.0	8.2	0.0	10.6	0.1	14.0	0.0	14.0	0.0	16.3	0.0	18.7	0.0	18.2	0.0	18.4	0.0
Dry																								
average condition	16.8	0.0	14.0	0.0	10.7	0.0	8.5	0.0	9.5	0.0	12.2	0.0	14.4	0.0	15.5	0.0	17.1	0.0	18.8	0.0	19.7	0.0	19.4	0.0
warmest baseline	18.7	0.1	14.3	0.0	11.4	0.0	8.8	0.0	10.5	0.0	13.4	0.0	15.6	0.0	17.4	0.0	18.7	0.0	20.1	0.0	21.1	0.0	20.9	0.0
greatest change	18.7	0.1	14.3	0.0	11.4	0.0	8.8	0.0	10.5	0.0	13.4	0.0	14.8	0.0	15.4	0.0	17.1	0.0	18.5	0.1	19.9	0.0	18.3	0.0
Critically Dry																								
average condition	17.4	0.0	14.1	0.0	10.9	0.0	9.1	0.0	10.0	0.0	12.6	0.0	15.2	0.0	17.5	0.0	18.9	0.1	20.0	0.0	20.8	0.0	20.3	0.1
warmest baseline	19.3	0.2	15.2	0.1	11.9	0.0	9.9	0.0	10.9	0.0	13.3	0.0	16.4	0.0	19.1	0.1	20.9	0.3	21.9	0.0	23.4	0.0	21.7	0.0
greatest change	19.3	0.2	15.2	0.1	11.0	0.0	9.5	0.0	10.5	0.0	12.6	0.0	15.1	0.1	18.2	0.1	20.9	0.3	21.4	0.3	20.0	0.0	20.6	0.5

Source: Derived from data in Appendix C

Note: Modeled temperature increase >0.2°C indicated in red

°C = degrees Celsius

Table G1.2-12. Baseline Water Temperature and Change in Water Temperature in the Lower American River at Watt Avenue, Reduced Diversion [Future Baseline vs. Future Project]

Scenario	Monthly Average Water Temperature at Watt Avenue (°C)																							
	Oct		Nov		Dec		Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sep	
Wet																								
average condition	17.3	0.0	14.0	0.0	11.1	0.0	8.5	0.0	8.9	0.0	10.6	0.0	11.6	0.0	12.6	0.0	14.6	0.0	17.0	0.0	18.0	0.0	17.8	0.0
warmest baseline	19.4	0.0	14.6	0.0	12.5	0.0	9.5	0.0	9.8	0.0	12.1	0.0	13.4	0.0	14.1	0.0	16.3	0.0	17.8	0.0	18.4	-0.1	18.3	0.0
greatest change	19.4	0.0	14.6	0.0	10.1	0.0	8.7	0.0	9.7	0.0	11.8	0.0	13.4	0.0	12.0	0.0	16.3	0.0	17.8	0.0	18.2	0.0	18.2	0.0
Above Normal																								
average condition	16.8	0.0	14.0	0.0	11.3	0.0	9.0	0.0	9.0	0.0	11.9	0.0	12.8	0.0	13.6	0.0	15.8	0.0	17.8	0.0	18.3	0.0	18.2	0.0
warmest baseline	17.3	0.0	14.2	0.0	12.0	0.0	9.2	0.0	9.7	0.0	12.5	0.0	12.8	0.0	13.8	0.0	16.3	0.0	18.2	0.1	18.4	0.0	18.4	0.0
greatest change	16.6	0.0	14.2	0.0	10.7	0.0	9.2	0.0	9.7	0.0	12.5	0.0	12.8	0.0	13.8	0.0	16.3	0.0	18.2	0.1	18.4	0.0	18.2	0.0
Below Normal																								
average condition	17.3	0.0	14.0	0.0	10.6	0.0	8.7	0.0	9.0	0.0	11.2	0.0	13.2	0.0	14.3	0.0	15.8	0.0	18.3	0.0	18.6	0.0	18.2	0.0
warmest baseline	19.0	0.1	14.5	0.0	11.4	0.0	9.2	0.0	10.0	0.0	11.9	0.0	14.0	0.0	15.1	0.0	16.3	0.0	18.7	0.0	18.9	0.0	18.9	0.0
greatest change	19.0	0.1	14.5	0.0	10.3	0.0	9.0	0.0	9.0	0.0	10.6	0.1	14.0	0.0	14.7	0.0	16.3	0.0	17.8	0.1	18.9	0.0	18.4	0.0
Dry																								
average condition	16.8	0.0	14.0	0.0	10.7	0.0	8.5	0.0	9.5	0.0	12.2	0.0	14.4	0.0	15.5	0.0	17.1	0.0	18.8	0.0	19.7	0.0	19.4	0.0
warmest baseline	18.7	0.0	14.3	0.0	11.4	0.0	8.8	0.0	10.5	0.0	13.5	0.0	15.6	0.0	17.4	0.0	18.7	0.2	20.2	0.1	21.1	0.0	20.9	0.0
greatest change	18.0	0.0	13.8	0.0	11.0	0.0	8.8	0.0	9.4	0.0	12.1	0.0	14.5	0.0	17.4	0.0	18.7	0.2	20.2	0.1	21.1	0.0	20.9	0.0
Critically Dry																								
average condition	17.4	0.0	14.1	0.0	10.9	0.0	9.1	0.0	10.0	0.0	12.6	0.0	15.1	0.0	17.5	0.0	18.9	0.1	20.1	0.0	20.7	0.0	20.3	0.0
warmest baseline	19.3	0.2	15.2	0.1	11.9	0.0	9.9	0.0	10.9	0.0	13.3	0.0	16.4	0.0	19.1	0.0	21.1	0.1	21.9	-0.1	23.4	0.0	21.7	0.0
greatest change	19.3	0.2	15.2	0.1	10.7	0.0	8.5	0.0	10.0	0.0	12.6	0.0	15.1	0.1	16.7	0.1	17.9	0.2	21.4	0.3	20.0	0.0	19.8	0.1

Source: Derived from data in Appendix C

Note: Modeled temperature increase >0.2°C indicated in red

°C = degrees Celsius

G1.3 MODEL OUTPUT FOR FLOW AND END OF MONTH STORAGE

South Fork Upstream of the El Dorado Diversion Dam Changes in Streamflow, CFS – Baseline vs Project, All Alternatives

Water Year Type/Alternative	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet												
Proposed Project (Post-Construction)	0	0	0	0	0	0	0	0	0	0	0	0
Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Season of Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal												
Proposed Project (Post-Construction)	0	0	0	0	0	0	0	0	0	0	0	0
Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Season of Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal												
Proposed Project (Post-Construction)	0	0	0	0	0	0	0	0	0	0	0	0
Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Season of Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Dry												
Proposed Project (Post-Construction)	0	0	0	0	0	0	0	0	0	0	0	0
Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Season of Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Critically Dry												
Proposed Project (Post-Construction)	0	0	0	0	0	0	0	0	0	0	0	0
Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Season of Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0

South Fork Upstream of the El Dorado Diversion Dam Changes in Streamflow, CFS – Future Baseline vs Future Project, All Alternatives

Water Year Type/Alternative	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet												
Proposed Project (Post-Construction)	0	0	0	0	0	0	0	0	0	0	0	0
Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Season of Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal												
Proposed Project (Post-Construction)	0	0	0	0	0	0	0	0	0	0	0	0
Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Season of Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal												
Proposed Project (Post-Construction)	0	0	0	0	0	0	0	0	0	0	0	0
Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Season of Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Dry												
Proposed Project (Post-Construction)	0	0	0	0	0	0	0	0	0	0	0	0
Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Season of Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Critically Dry												
Proposed Project (Post-Construction)	0	0	0	0	0	0	0	0	0	0	0	0
Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Season of Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0

South Fork Downstream of the El Dorado Diversion Dam Changes in Streamflow, CFS – Baseline vs Project, All Alternatives

Water Year Type/Alternative	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet												
Proposed Project (Post-Construction)	0	0	-3	-7	-8	-9	-10	-11	-11	-8	-2	0
Direct Diversion Only	0	0	-3	-7	-8	-9	-10	-11	-11	-8	-2	0
Reduced Season of Diversion	0	0	-3	-7	-8	-9	-10	-11	-11	-8	-2	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal												
Proposed Project (Post-Construction)	0	0	-2	-7	-5	-9	-11	-11	-10	-3	0	0
Direct Diversion Only	0	0	-2	-7	-5	-9	-11	-11	-10	-3	0	0
Reduced Season of Diversion	0	0	-2	-7	-5	-9	-11	-11	-10	-3	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal												
Proposed Project (Post-Construction)	0	0	-2	-6	-6	-9	-11	-11	-9	-1	0	0
Direct Diversion Only	0	0	-2	-6	-6	-9	-11	-11	-9	-1	0	0
Reduced Season of Diversion	0	0	-2	-6	-6	-9	-11	-11	-9	-1	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Dry												
Proposed Project (Post-Construction)	0	0	-2	-2	-3	-6	-10	-11	-9	0	0	0
Direct Diversion Only	0	0	-2	-2	-3	-6	-10	-11	-9	0	0	0
Reduced Season of Diversion	0	0	-2	-2	-3	-6	-10	-11	-9	0	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Critically Dry												
Proposed Project (Post-Construction)	0	0	-1	-1	-3	-6	-9	-10	-4	0	0	0
Direct Diversion Only	0	0	-1	-1	-3	-6	-9	-10	-4	0	0	0
Reduced Season of Diversion	0	0	-1	-1	-3	-6	-9	-10	-4	0	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0

South Fork Downstream of the El Dorado Diversion Dam Changes in Streamflow, CFS – Future Baseline vs Future Project, All Alternatives

Water Year Type/Alternative	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet												
Proposed Project (Post-Construction)	0	0	-3	-7	-8	-9	-10	-11	-11	-8	-2	0
Direct Diversion Only	0	0	-3	-7	-8	-9	-10	-11	-11	-8	-2	0
Reduced Season of Diversion	0	0	-3	-7	-8	-9	-10	-11	-11	-8	-2	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal												
Proposed Project (Post-Construction)	0	0	-2	-7	-5	-9	-11	-11	-10	-3	0	0
Direct Diversion Only	0	0	-2	-7	-5	-9	-11	-11	-10	-3	0	0
Reduced Season of Diversion	0	0	-2	-7	-5	-9	-11	-11	-10	-3	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal												
Proposed Project (Post-Construction)	0	0	-2	-6	-6	-9	-11	-11	-9	-1	0	0
Direct Diversion Only	0	0	-2	-6	-6	-9	-11	-11	-9	-1	0	0
Reduced Season of Diversion	0	0	-2	-6	-6	-9	-11	-11	-9	-1	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Dry												
Proposed Project (Post-Construction)	0	0	-2	-2	-3	-6	-10	-11	-9	0	0	0
Direct Diversion Only	0	0	-2	-2	-3	-6	-10	-11	-9	0	0	0
Reduced Season of Diversion	0	0	-2	-2	-3	-6	-10	-11	-9	0	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Critically Dry												
Proposed Project (Post-Construction)	0	0	-1	-1	-3	-6	-9	-10	-4	0	0	0
Direct Diversion Only	0	0	-1	-1	-3	-6	-9	-10	-4	0	0	0
Reduced Season of Diversion	0	0	-1	-1	-3	-6	-9	-10	-4	0	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0

South Fork Downstream of the El Dorado Powerhouse Changes in Streamflow, CFS – Baseline vs Project, All Alternatives

Water Year Type/Alternative	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet												
Proposed Project (Post-Construction)	0	0	-1	-10	-1	-1	-1	-1	-1	-1	0	0
Direct Diversion Only	0	0	0	0	-1	-1	-1	-1	-1	-1	0	0
Reduced Season of Diversion	0	0	-1	-10	-1	-1	-1	-1	-1	-1	0	0
Existing Infrastructure	0	0	-1	-8	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	-1	-7	0	0	0	0	0	0	0	0
Above Normal												
Proposed Project (Post-Construction)	0	0	0	-4	-1	-1	0	-1	-1	0	0	0
Direct Diversion Only	0	0	0	-1	-1	-1	-1	-1	-1	0	0	0
Reduced Season of Diversion	0	0	0	-4	-1	-1	0	-1	-1	0	0	0
Existing Infrastructure	0	0	0	-5	0	0	1	0	0	0	0	0
Reduced Diversion	0	0	0	-9	0	0	1	0	0	0	0	0
Below Normal												
Proposed Project (Post-Construction)	0	0	0	-18	-2	3	4	4	4	1	0	4
Direct Diversion Only	0	0	0	0	0	1	0	1	-1	0	0	-1
Reduced Season of Diversion	0	0	0	-18	-2	3	4	4	4	1	0	4
Existing Infrastructure	0	0	0	-16	-2	3	5	5	5	2	0	4
Reduced Diversion	0	0	-1	-12	-4	2	5	5	5	2	0	4
Dry												
Proposed Project (Post-Construction)	0	0	0	-7	-30	-12	-8	9	12	11	7	0
Direct Diversion Only	0	0	0	0	0	0	0	0	-1	0	-9	-2
Reduced Season of Diversion	0	0	0	-7	-30	-12	-8	9	12	11	7	0
Existing Infrastructure	0	0	0	-7	-29	-7	-8	5	13	11	7	0
Reduced Diversion	0	0	-1	-7	-21	-4	-5	3	7	10	6	0
Critically Dry												
Proposed Project (Post-Construction)	0	0	0	-18	-78	-66	0	16	20	19	18	4
Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	-10	-22
Reduced Season of Diversion	0	0	0	-18	-78	-66	0	16	20	19	18	4
Existing Infrastructure	0	0	0	-17	-57	-47	-26	12	17	19	18	4
Reduced Diversion	0	0	0	-12	-35	-23	-13	3	4	8	8	-5

South Fork Downstream of the El Dorado Powerhouse Changes in Streamflow, CFS – Future Baseline vs Future Project, All Alternatives

Water Year Type/Alternative	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet												
Proposed Project (Post-Construction)	0	0	-3	-20	-1	-1	-1	0	-1	-1	0	0
Direct Diversion Only	0	0	0	0	-1	-1	-1	0	-1	-1	0	0
Reduced Season of Diversion	0	0	-3	-20	-1	-1	-1	0	-1	-1	0	0
Existing Infrastructure	0	0	-3	-17	0	0	0	1	0	0	0	0
Reduced Diversion	0	0	-2	-12	0	0	0	1	0	0	0	0
Above Normal												
Proposed Project (Post-Construction)	0	0	-2	-40	2	6	0	3	-1	0	0	0
Direct Diversion Only	0	0	0	2	0	0	-1	3	-1	0	0	0
Reduced Season of Diversion	0	0	-2	-40	2	6	0	3	-1	0	0	0
Existing Infrastructure	0	0	-2	-35	2	6	1	4	0	0	0	0
Reduced Diversion	0	0	-2	-23	2	-1	2	4	0	0	0	0
Below Normal												
Proposed Project (Post-Construction)	0	0	-2	-33	-23	-4	10	14	20	0	0	-1
Direct Diversion Only	0	0	0	0	0	0	0	0	8	-3	0	-6
Reduced Season of Diversion	0	0	-2	-33	-23	-4	10	14	20	0	0	-1
Existing Infrastructure	0	0	-2	-28	-22	-1	10	13	20	0	0	-1
Reduced Diversion	0	0	-2	-21	-21	-1	3	11	15	-1	0	-5
Dry												
Proposed Project (Post-Construction)	0	0	-4	-21	-64	-37	-3	18	26	4	0	0
Direct Diversion Only	0	0	0	0	0	0	0	0	0	-12	-16	-17
Reduced Season of Diversion	0	0	-4	-21	-64	-37	-3	18	26	4	0	0
Existing Infrastructure	0	0	-4	-20	-46	-35	-3	11	21	4	0	0
Reduced Diversion	0	0	-3	-17	-26	-16	-4	11	12	-6	-9	-1
Critically Dry												
Proposed Project (Post-Construction)	0	0	-5	-25	-82	-76	-14	5	13	2	-2	-3
Direct Diversion Only	0	0	0	0	0	0	0	0	0	-18	-31	-37
Reduced Season of Diversion	0	0	-5	-25	-82	-76	-14	5	13	2	-2	-3
Existing Infrastructure	0	0	-5	-23	-57	-50	-36	-3	11	-1	-10	-5
Reduced Diversion	0	0	-1	-18	-35	-18	-16	-1	3	-10	-19	-11

South Fork Downstream of Chili Bar Dam Changes in Streamflow, CFS – Baseline vs Project, All Alternatives

Water Year Type/Alternative	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet												
Proposed Project (Post-Construction)	2	0	-1	-10	-1	-1	-1	-1	-1	-1	0	0
Direct Diversion Only	0	0	0	0	-1	-1	-1	-1	-1	-1	0	0
Reduced Season of Diversion	2	0	-1	-10	-1	-1	-1	-1	-1	-1	0	0
Existing Infrastructure	2	0	-1	-8	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	-1	-7	0	0	0	0	0	0	0	0
Above Normal												
Proposed Project (Post-Construction)	0	0	0	-4	-1	-1	0	-1	-1	0	0	0
Direct Diversion Only	0	0	0	-1	-1	-1	-1	-1	-1	0	0	0
Reduced Season of Diversion	0	0	0	-4	-1	-1	0	-1	-1	0	0	0
Existing Infrastructure	0	0	0	-5	0	0	1	0	0	0	0	0
Reduced Diversion	0	0	0	-9	0	0	1	0	0	0	0	0
Below Normal												
Proposed Project (Post-Construction)	2	0	0	-18	-2	2	4	4	3	2	0	4
Direct Diversion Only	-2	0	0	0	0	1	0	1	-1	0	0	-1
Reduced Season of Diversion	2	0	0	-18	-2	2	4	4	3	2	0	4
Existing Infrastructure	2	0	0	-15	-2	3	5	5	4	2	0	4
Reduced Diversion	-1	0	-1	-12	-4	2	5	5	4	2	0	4
Dry												
Proposed Project (Post-Construction)	0	0	0	-7	-30	-12	-8	8	10	13	6	0
Direct Diversion Only	-1	0	0	0	0	0	0	0	-1	0	-9	-2
Reduced Season of Diversion	0	0	0	-7	-30	-12	-8	8	10	13	6	0
Existing Infrastructure	0	0	0	-7	-28	-7	-8	5	11	13	6	0
Reduced Diversion	0	0	0	-8	-21	-4	-5	3	6	11	6	0
Critically Dry												
Proposed Project (Post-Construction)	0	0	0	-19	-77	-66	-1	15	12	10	15	20
Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	-8	-23
Reduced Season of Diversion	0	0	0	-19	-77	-66	-1	15	12	10	15	20
Existing Infrastructure	0	0	0	-18	-56	-47	-26	11	10	9	15	19
Reduced Diversion	0	0	0	-13	-34	-23	-13	3	2	3	5	5

South Fork Downstream of Chili Bar Dam Changes in Streamflow, CFS – Future Baseline vs Future Project, All Alternatives

Water Year Type/Alternative	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet												
Proposed Project (Post-Construction)	-2	0	-3	-20	-1	-1	-1	0	-1	-1	0	0
Direct Diversion Only	-2	0	0	0	-1	-1	-1	0	-1	-1	0	0
Reduced Season of Diversion	-2	0	-3	-20	-1	-1	-1	0	-1	-1	0	0
Existing Infrastructure	-2	0	-2	-17	0	0	0	1	0	0	0	0
Reduced Diversion	-2	0	-2	-12	0	0	0	1	0	0	0	0
Above Normal												
Proposed Project (Post-Construction)	0	0	-2	-39	2	6	0	3	-1	0	0	0
Direct Diversion Only	0	0	0	2	0	0	-1	3	-1	0	0	0
Reduced Season of Diversion	0	0	-2	-39	2	6	0	3	-1	0	0	0
Existing Infrastructure	0	0	-2	-35	2	6	1	4	0	0	0	0
Reduced Diversion	0	0	-2	-23	2	-1	2	4	0	0	0	0
Below Normal												
Proposed Project (Post-Construction)	-1	0	-2	-33	-22	-4	10	14	19	1	0	-1
Direct Diversion Only	-4	0	0	0	0	0	0	0	7	-2	0	-6
Reduced Season of Diversion	-1	0	-2	-33	-22	-4	10	14	19	1	0	-1
Existing Infrastructure	-2	0	-2	-27	-22	-1	10	13	19	1	0	-1
Reduced Diversion	-2	0	-2	-21	-20	-2	3	11	15	-1	0	-5
Dry												
Proposed Project (Post-Construction)	0	0	-3	-22	-62	-37	-4	19	23	5	-1	0
Direct Diversion Only	0	0	0	0	0	0	0	0	0	-12	-16	-17
Reduced Season of Diversion	0	0	-3	-22	-62	-37	-4	19	23	5	-1	0
Existing Infrastructure	0	0	-3	-21	-45	-35	-4	11	18	5	0	0
Reduced Diversion	0	0	-3	-17	-26	-16	-5	11	11	-7	-8	-1
Critically Dry												
Proposed Project (Post-Construction)	0	0	-4	-25	-81	-76	-15	5	9	1	-3	4
Direct Diversion Only	0	0	0	0	0	0	0	0	0	-12	-21	-49
Reduced Season of Diversion	0	0	-4	-25	-81	-76	-15	5	9	1	-2	3
Existing Infrastructure	0	0	-4	-23	-56	-50	-35	-3	8	-1	-7	-3
Reduced Diversion	0	0	-1	-18	-35	-18	-16	-1	3	-5	-14	-20

South Fork at Salmon Falls Changes in Streamflow, CFS – Baseline vs Project, All Alternatives

Water Year Type/Alternative	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet												
Proposed Project (Post-Construction)	2	0	-1	-10	-1	-1	-1	-1	-1	-1	0	0
Direct Diversion Only	0	0	0	0	-1	-1	-1	-1	-1	-1	0	0
Reduced Season of Diversion	2	0	-1	-10	-1	-1	-1	-1	-1	-1	0	0
Existing Infrastructure	2	0	-1	-8	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	-1	-7	0	0	0	0	0	0	0	0
Above Normal												
Proposed Project (Post-Construction)	0	0	0	-3	-1	-1	0	-1	-1	0	0	0
Direct Diversion Only	0	0	0	-1	-1	-1	-1	-1	-1	0	0	0
Reduced Season of Diversion	0	0	0	-3	-1	-1	0	-1	-1	0	0	0
Existing Infrastructure	0	0	0	-5	0	0	1	0	0	0	0	0
Reduced Diversion	0	0	0	-9	0	0	1	0	0	0	0	0
Below Normal												
Proposed Project (Post-Construction)	2	0	0	-18	-2	2	4	4	3	2	0	4
Direct Diversion Only	-2	0	0	0	0	1	0	1	-1	0	0	-1
Reduced Season of Diversion	2	0	0	-18	-2	2	4	4	3	2	0	4
Existing Infrastructure	2	0	0	-15	-2	3	5	5	4	2	0	4
Reduced Diversion	-1	0	-1	-12	-4	2	5	5	4	2	0	4
Dry												
Proposed Project (Post-Construction)	0	0	0	-7	-30	-12	-8	8	10	13	6	0
Direct Diversion Only	0	0	0	0	0	0	0	0	-1	0	-9	-2
Reduced Season of Diversion	0	0	0	-7	-30	-12	-8	8	10	13	6	0
Existing Infrastructure	0	0	0	-7	-28	-7	-8	5	11	13	6	0
Reduced Diversion	0	0	0	-8	-21	-4	-5	2	6	11	6	0
Critically Dry												
Proposed Project (Post-Construction)	0	0	0	-19	-77	-66	-1	15	12	10	15	20
Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	-8	-23
Reduced Season of Diversion	0	0	0	-19	-77	-66	-1	15	12	10	15	20
Existing Infrastructure	0	0	0	-18	-56	-47	-26	11	10	9	15	19
Reduced Diversion	0	0	0	-13	-34	-23	-13	3	2	3	5	5

South Fork at Salmon Falls Changes in Streamflow, CFS – Future Baseline vs Future Project, All Alternatives

Water Year Type/Alternative	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet												
Proposed Project (Post-Construction)	-2	0	-3	-20	-1	-1	-1	0	-1	-1	0	0
Direct Diversion Only	-2	0	0	0	-1	-1	-1	0	-1	-1	0	0
Reduced Season of Diversion	-2	0	-3	-20	-1	-1	-1	0	-1	-1	0	0
Existing Infrastructure	-2	0	-2	-17	0	0	0	1	0	0	0	0
Reduced Diversion	-2	0	-2	-12	0	0	0	1	0	0	0	0
Above Normal												
Proposed Project (Post-Construction)	0	0	-2	-39	2	6	0	3	-1	0	0	0
Direct Diversion Only	0	0	0	2	0	0	-1	3	-1	0	0	0
Reduced Season of Diversion	0	0	-2	-39	2	6	0	3	-1	0	0	0
Existing Infrastructure	0	0	-2	-35	2	6	1	4	0	0	0	0
Reduced Diversion	0	0	-2	-23	2	-1	2	4	0	0	0	0
Below Normal												
Proposed Project (Post-Construction)	-1	0	-2	-33	-22	-4	10	14	19	1	0	-1
Direct Diversion Only	-4	0	0	0	0	0	0	0	7	-2	0	-6
Reduced Season of Diversion	-1	0	-2	-33	-22	-4	10	14	19	1	0	-1
Existing Infrastructure	-2	0	-2	-27	-22	-1	10	13	19	1	0	-1
Reduced Diversion	-2	0	-2	-21	-20	-2	3	11	15	-1	0	-5
Dry												
Proposed Project (Post-Construction)	0	0	-3	-22	-62	-37	-4	19	23	5	-1	0
Direct Diversion Only	0	0	0	0	0	0	0	0	0	-12	-16	-17
Reduced Season of Diversion	0	0	-3	-22	-62	-37	-4	19	23	5	-1	0
Existing Infrastructure	0	0	-3	-21	-45	-35	-4	11	18	5	0	0
Reduced Diversion	0	0	-3	-17	-26	-16	-5	11	11	-7	-8	-1
Critically Dry												
Proposed Project (Post-Construction)	0	0	-4	-25	-81	-76	-15	5	9	1	-3	4
Direct Diversion Only	0	0	0	0	0	0	0	0	0	-12	-21	-49
Reduced Season of Diversion	0	0	-4	-25	-81	-76	-15	5	9	1	-2	3
Existing Infrastructure	0	0	-4	-23	-56	-50	-35	-3	8	-1	-7	-3
Reduced Diversion	0	0	-1	-18	-35	-18	-16	-1	3	-5	-14	-20

El Dorado Powerhouse Changes in Streamflow, CFS – Baseline vs Project, All Alternatives

Water Year Type/Alternative	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet												
Proposed Project (Post-Construction)	0	0	1	-7	3	3	4	6	8	7	2	0
Direct Diversion Only	0	0	2	4	3	3	4	6	8	7	2	0
Reduced Season of Diversion	0	0	1	-7	3	3	4	6	8	7	2	0
Existing Infrastructure	0	0	-1	-8	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	-1	-7	0	0	0	0	0	0	0	0
Above Normal												
Proposed Project (Post-Construction)	0	0	1	1	2	5	7	7	9	3	0	0
Direct Diversion Only	0	0	1	4	2	5	7	7	9	3	0	0
Reduced Season of Diversion	0	0	1	1	2	5	7	7	9	3	0	0
Existing Infrastructure	0	0	0	-5	0	0	1	0	0	0	0	0
Reduced Diversion	0	0	0	-9	0	0	1	0	0	0	0	0
Below Normal												
Proposed Project (Post-Construction)	0	0	1	-14	2	9	14	15	12	2	0	4
Direct Diversion Only	0	0	2	4	4	7	9	12	8	1	0	-1
Reduced Season of Diversion	0	0	1	-14	2	9	14	15	12	2	0	4
Existing Infrastructure	0	0	0	-16	-2	4	5	5	5	2	0	4
Reduced Diversion	0	0	-1	-12	-4	2	5	5	5	2	0	4
Dry												
Proposed Project (Post-Construction)	0	0	1	-6	-29	-8	1	19	21	11	7	0
Direct Diversion Only	0	0	1	0	1	4	8	11	8	0	-9	-2
Reduced Season of Diversion	0	0	1	-6	-29	-8	1	19	21	11	7	0
Existing Infrastructure	0	0	0	-7	-29	-7	-8	5	13	11	7	0
Reduced Diversion	0	0	-1	-7	-21	-4	-5	3	7	10	6	0
Critically Dry												
Proposed Project (Post-Construction)	0	0	1	-18	-76	-60	9	26	23	19	18	4
Direct Diversion Only	0	0	1	1	2	6	9	10	4	0	-10	-22
Reduced Season of Diversion	0	0	1	-18	-76	-60	9	26	23	19	18	4
Existing Infrastructure	0	0	0	-17	-57	-47	-26	12	17	19	18	4
Reduced Diversion	0	0	0	-12	-35	-23	-13	3	4	8	8	-5

El Dorado Powerhouse Changes in Streamflow, CFS – Future Baseline vs Future Project, All Alternatives

Water Year Type/Alternative	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet												
Proposed Project (Post-Construction)	0	0	-1	-16	3	3	4	7	8	7	2	0
Direct Diversion Only	0	0	2	3	3	3	4	7	8	7	2	0
Reduced Season of Diversion	0	0	-1	-16	3	3	4	7	8	7	2	0
Existing Infrastructure	0	0	-3	-17	0	0	0	1	0	0	0	0
Reduced Diversion	0	0	-2	-12	0	0	0	1	0	0	0	0
Above Normal												
Proposed Project (Post-Construction)	0	0	0	-35	5	12	8	10	9	3	0	0
Direct Diversion Only	0	0	1	6	3	6	7	10	9	3	0	0
Reduced Season of Diversion	0	0	0	-35	5	12	8	10	9	3	0	0
Existing Infrastructure	0	0	-2	-35	2	6	1	4	0	0	0	0
Reduced Diversion	0	0	-2	-23	2	-1	2	4	0	0	0	0
Below Normal												
Proposed Project (Post-Construction)	0	0	0	-29	-19	2	20	24	28	1	0	-1
Direct Diversion Only	0	0	2	5	4	5	9	11	16	-2	0	-6
Reduced Season of Diversion	0	0	0	-29	-19	2	20	24	28	1	0	-1
Existing Infrastructure	0	0	-2	-28	-22	-1	10	13	20	0	0	-1
Reduced Diversion	0	0	-2	-21	-21	-1	3	11	15	-1	0	-5
Dry												
Proposed Project (Post-Construction)	0	0	-3	-20	-63	-33	5	29	35	4	0	0
Direct Diversion Only	0	0	1	1	1	4	9	11	8	-12	-16	-17
Reduced Season of Diversion	0	0	-3	-20	-63	-33	5	29	35	4	0	0
Existing Infrastructure	0	0	-4	-20	-46	-35	-3	11	21	4	0	0
Reduced Diversion	0	0	-3	-17	-26	-16	-4	11	12	-6	-9	-1
Critically Dry												
Proposed Project (Post-Construction)	0	0	-4	-24	-80	-70	-5	15	17	2	-2	-3
Direct Diversion Only	0	0	1	1	2	6	9	10	4	-18	-31	-37
Reduced Season of Diversion	0	0	-4	-24	-80	-70	-5	15	17	2	-2	-3
Existing Infrastructure	0	0	-5	-23	-57	-50	-36	-3	11	-1	-11	-5
Reduced Diversion	0	0	-1	-18	-35	-18	-16	-1	3	-10	-19	-11

Camino Powerhouse Changes in Streamflow, CFS – Baseline vs Project, All Alternatives

Water Year Type/Alternative	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet												
Proposed Project (Post-Construction)	2	0	0	0	0	0	0	0	0	0	0	0
Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Season of Diversion	2	0	0	0	0	0	0	0	0	0	0	0
Existing Infrastructure	2	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal												
Proposed Project (Post-Construction)	0	0	0	0	0	0	0	0	0	0	0	0
Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Season of Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal												
Proposed Project (Post-Construction)	2	0	0	0	1	0	0	0	0	0	0	0
Direct Diversion Only	-2	0	0	0	0	0	0	0	0	0	0	0
Reduced Season of Diversion	2	0	0	0	1	0	0	0	0	0	0	0
Existing Infrastructure	2	0	0	0	1	0	0	0	0	0	0	0
Reduced Diversion	-1	0	0	0	1	0	0	0	0	0	0	0
Dry												
Proposed Project (Post-Construction)	0	0	0	0	0	0	0	0	-2	2	0	0
Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Season of Diversion	0	0	0	0	0	0	0	0	-2	2	0	0
Existing Infrastructure	0	0	0	0	0	0	0	0	-2	2	0	0
Reduced Diversion	1	0	1	-1	0	0	0	0	-1	1	0	0
Critically Dry												
Proposed Project (Post-Construction)	0	0	0	0	1	0	0	0	-8	-9	-2	16
Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	2	-1
Reduced Season of Diversion	0	0	0	0	1	0	0	0	-8	-9	-2	16
Existing Infrastructure	0	0	0	0	1	0	0	0	-7	-9	-2	15
Reduced Diversion	0	0	0	0	0	0	0	0	-2	-4	-2	9

Camino Powerhouse Changes in Streamflow, CFS – Future Baseline vs Future Project, All Alternatives

Water Year Type/Alternative	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet												
Proposed Project (Post-Construction)	0	0	0	0	0	0	0	0	0	0	0	0
Direct Diversion Only	-2	0	0	0	0	0	0	0	0	0	0	0
Reduced Season of Diversion	-2	0	0	0	0	0	0	0	0	0	0	0
Existing Infrastructure	-2	0	0	0	0	0	0	0	0	0	0	0
Reduced Diversion	-2	0	0	0	0	0	0	0	0	0	0	0
Above Normal												
Proposed Project (Post-Construction)	0	0	0	1	0	0	0	0	0	0	0	0
Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Season of Diversion	0	0	0	1	0	0	0	0	0	0	0	0
Existing Infrastructure	0	0	0	1	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal												
Proposed Project (Post-Construction)	-1	0	0	0	1	0	0	0	-1	1	0	0
Direct Diversion Only	-4	0	0	0	0	0	0	0	-1	1	0	0
Reduced Season of Diversion	-1	0	0	0	1	0	0	0	-1	1	0	0
Existing Infrastructure	-2	0	0	0	1	0	0	0	-1	1	0	0
Reduced Diversion	-2	0	0	0	1	0	0	0	-1	1	0	0
Dry												
Proposed Project (Post-Construction)	0	0	1	-1	2	1	0	0	-3	2	-1	0
Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Season of Diversion	0	0	1	-1	2	1	0	0	-3	2	-1	0
Existing Infrastructure	0	0	1	-1	1	1	0	0	-3	1	0	0
Reduced Diversion	1	0	0	0	0	0	0	0	-1	-1	1	0
Critically Dry												
Proposed Project (Post-Construction)	0	0	0	0	1	0	0	0	-3	-2	0	5
Direct Diversion Only	0	0	0	0	0	0	0	0	0	6	10	-11
Reduced Season of Diversion	0	0	0	0	1	0	0	0	-3	-2	1	6
Existing Infrastructure	0	0	0	0	1	0	0	0	-2	-1	4	1
Reduced Diversion	0	0	0	0	0	0	0	0	0	5	6	-8

White Rock Powerhouse Changes in Streamflow, CFS – Baseline vs Project, All Alternatives

Water Year Type/Alternative	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet												
Proposed Project (Post-Construction)	2	0	-1	-9	0	0	0	0	0	0	0	0
Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
Reduced Season of Diversion	2	0	-1	-9	0	0	0	0	0	0	0	0
Existing Infrastructure	2	0	-1	-7	0	0	0	0	0	0	0	0
Reduced Diversion	0	0	-1	-6	0	0	0	0	0	1	0	0
Above Normal												
Proposed Project (Post-Construction)	0	0	0	-3	0	0	0	-1	-1	0	0	0
Direct Diversion Only	0	0	0	0	0	0	0	-1	-1	0	0	0
Reduced Season of Diversion	0	0	0	-3	0	0	0	-1	-1	0	0	0
Existing Infrastructure	0	0	0	-3	0	0	0	-1	-1	0	0	0
Reduced Diversion	0	0	0	-9	0	0	1	0	0	0	0	0
Below Normal												
Proposed Project (Post-Construction)	2	0	1	-18	-11	2	3	3	3	2	0	4
Direct Diversion Only	-2	0	1	0	-9	1	0	1	-1	0	0	-1
Reduced Season of Diversion	2	0	1	-18	-11	2	3	3	3	2	0	4
Existing Infrastructure	2	0	1	-15	-11	2	3	3	3	2	0	4
Reduced Diversion	-1	0	-1	-12	-13	2	4	4	4	2	0	4
Dry												
Proposed Project (Post-Construction)	0	0	0	-7	-28	-11	-8	8	10	13	6	0
Direct Diversion Only	0	0	0	0	0	0	0	0	-1	0	-9	-2
Reduced Season of Diversion	0	0	0	-7	-28	-11	-8	8	10	13	6	0
Existing Infrastructure	0	0	0	-7	-27	-7	-9	4	10	13	6	0
Reduced Diversion	0	0	0	-8	-20	-4	-5	2	6	11	6	0
Critically Dry												
Proposed Project (Post-Construction)	0	0	0	-19	-72	-65	-1	15	12	10	15	20
Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	-8	-23
Reduced Season of Diversion	0	0	0	-19	-72	-65	-1	15	12	10	15	20
Existing Infrastructure	0	0	0	-17	-53	-47	-26	11	9	9	15	19
Reduced Diversion	0	0	0	-13	-33	-23	-13	3	2	3	5	5

White Rock Powerhouse Changes in Streamflow, CFS – Future Baseline vs Future Project, All Alternatives

Water Year Type/Alternative	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet												
Proposed Project (Post-Construction)	-1	0	-2	-18	0	0	0	0	0	-1	0	0
Direct Diversion Only	-2	0	0	0	0	0	0	0	0	-1	0	0
Reduced Season of Diversion	-2	0	-2	-18	0	0	0	0	0	-1	0	0
Existing Infrastructure	-2	0	-2	-18	0	0	0	0	0	-1	0	0
Reduced Diversion	-2	0	-2	-11	0	0	0	1	0	0	0	0
Above Normal												
Proposed Project (Post-Construction)	0	0	-1	-33	2	6	1	2	-1	0	0	0
Direct Diversion Only	0	0	0	2	0	0	0	2	-1	0	0	0
Reduced Season of Diversion	0	0	-1	-33	2	6	1	2	-1	0	0	0
Existing Infrastructure	0	0	-1	-29	2	6	1	2	-1	0	0	0
Reduced Diversion	0	0	-1	-19	2	0	3	2	0	0	0	0
Below Normal												
Proposed Project (Post-Construction)	-1	0	0	-28	-22	-2	8	9	18	1	0	-1
Direct Diversion Only	-4	0	1	0	0	0	0	0	7	-2	0	-6
Reduced Season of Diversion	-1	0	0	-28	-22	-2	8	9	18	1	0	-1
Existing Infrastructure	-2	0	0	-24	-21	0	6	8	17	1	0	-1
Reduced Diversion	-2	0	-2	-19	-20	0	1	7	14	-1	0	-5
Dry												
Proposed Project (Post-Construction)	0	0	-3	-21	-60	-36	-6	16	23	5	-1	0
Direct Diversion Only	0	0	0	0	0	0	0	0	0	-12	-16	-17
Reduced Season of Diversion	0	0	-3	-21	-60	-36	-6	16	23	5	-1	0
Existing Infrastructure	0	0	-3	-21	-44	-35	-6	9	18	5	0	0
Reduced Diversion	0	0	-3	-17	-25	-15	-5	9	11	-7	-8	-1
Critically Dry												
Proposed Project (Post-Construction)	0	0	-4	-25	-76	-75	-16	4	9	0	-3	4
Direct Diversion Only	0	0	0	0	0	0	0	0	0	-12	-21	-49
Reduced Season of Diversion	0	0	-4	-25	-76	-75	-16	4	10	0	-2	3
Existing Infrastructure	0	0	-4	-23	-53	-50	-35	-3	8	-1	-7	-3
Reduced Diversion	0	0	-1	-18	-34	-18	-16	-1	3	-5	-14	-19

Lower American River at Nimbus Changes in Streamflow, CFS – Baseline vs Project, All Alternatives

Water Year Type/Alternative	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet												
Proposed Project (Post-Construction)	0	-1	0	-5	-1	-1	-1	-3	-1	-1	0	0
Direct Diversion Only	0	0	0	-9	-1	0	-1	-1	-1	-1	0	0
Reduced Season of Diversion	0	-1	0	-5	-1	-1	-1	-3	-1	-1	0	0
Existing Infrastructure	0	-1	0	-1	-1	-1	-1	-3	-1	-1	0	0
Reduced Diversion	0	-1	0	-8	0	0	0	-2	0	0	0	0
Above Normal												
Proposed Project (Post-Construction)	0	0	-1	-3	0	0	0	-1	-1	-1	0	0
Direct Diversion Only	0	0	-1	0	0	0	-1	-1	-1	0	0	1
Reduced Season of Diversion	0	0	-1	-3	0	0	0	-1	-1	-1	0	0
Existing Infrastructure	0	0	-1	-3	0	0	0	-1	-1	-1	0	0
Reduced Diversion	0	0	0	-9	0	0	1	0	0	0	0	0
Below Normal												
Proposed Project (Post-Construction)	0	0	0	-3	0	-41	2	4	0	8	1	4
Direct Diversion Only	0	0	0	0	0	-9	-1	-1	0	0	0	0
Reduced Season of Diversion	0	0	0	-3	0	-40	2	4	0	8	1	4
Existing Infrastructure	0	0	0	-3	0	-38	2	3	0	8	1	3
Reduced Diversion	0	0	0	-2	0	-36	4	4	0	9	2	4
Dry												
Proposed Project (Post-Construction)	-1	0	0	0	-13	0	-3	0	-37	4	2	-1
Direct Diversion Only	-1	0	0	0	0	0	0	0	-2	-5	-1	0
Reduced Season of Diversion	-1	0	0	0	-13	0	-3	0	-37	4	2	0
Existing Infrastructure	-1	0	0	0	-12	0	-4	-3	-37	5	2	-1
Reduced Diversion	-1	0	0	0	-7	0	-2	-2	1	-2	2	0
Critically Dry												
Proposed Project (Post-Construction)	0	9	3	-2	-16	0	-28	1	-11	-17	1	2
Direct Diversion Only	-2	-3	1	0	0	0	1	-2	-2	-4	0	-4
Reduced Season of Diversion	0	8	3	-2	-16	0	-28	1	-11	-17	1	2
Existing Infrastructure	0	10	3	-1	-11	0	-26	0	-13	-15	1	2
Reduced Diversion	-1	-1	0	-1	-6	0	-11	-1	-9	-10	-1	1

Lower American River at Nimbus Changes in Streamflow, CFS – Future Baseline vs Future Project, All Alternatives

Water Year Type/Alternative	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet												
Proposed Project (Post-Construction)	0	-1	0	-30	-1	-1	-1	-5	-1	0	-1	0
Direct Diversion Only	0	-3	0	-8	-1	-1	-1	1	-1	-1	0	0
Reduced Season of Diversion	0	-1	0	-29	-1	-1	-1	-5	-1	0	-1	0
Existing Infrastructure	0	-1	0	-27	0	0	0	-4	0	0	0	0
Reduced Diversion	0	-1	0	-22	0	0	0	-2	0		0	0
Above Normal												
Proposed Project (Post-Construction)	0	0	-1	-39	1	-1	7	2	-1	0	0	1
Direct Diversion Only	0	0	-1	3	-1	-1	-1	2	-1	0	0	1
Reduced Season of Diversion	0	0	-1	-40	1	-1	7	2	-1	0	-1	1
Existing Infrastructure	0	0	-1	-35	2	0	7	4	0	0	-1	1
Reduced Diversion	0	0	-1	-23	2	0	1	4	0	0	0	1
Below Normal												
Proposed Project (Post-Construction)	0	0	0	-21	-12	-85	13	10	5	16	0	2
Direct Diversion Only	0	0	0	-5	0	-22	0	-2	4	4	-2	-1
Reduced Season of Diversion	0	0	0	-21	-12	-85	13	9	5	16	0	3
Existing Infrastructure	0	0	0	-17	-12	-78	12	9	6	14	0	0
Reduced Diversion	0	0	0	-14	-10	-52	5	6	6	5	-2	-2
Dry												
Proposed Project (Post-Construction)	0	0	0	-9	-20	0	-8	-4	-3	-19	-4	-1
Direct Diversion Only	-1	0	0	0	0	0	0	0	-11	-15	-8	-1
Reduced Season of Diversion	-1	0	0	-9	-20	0	-8	-4	-4	-20	-4	-1
Existing Infrastructure	-1	0	0	-9	-14	0	-4	-6	-9	-19	-4	-1
Reduced Diversion	-1	0	0	-9	-8	0	-1	-2	-9	-19	-5	-1
Critically Dry												
Proposed Project (Post-Construction)	1	-5	-3	-2	-21	0	-22	-7	-22	-33	-23	-1
Direct Diversion Only	-6	-8	0	0	0	0	2	-7	-4	-12	-20	-7
Reduced Season of Diversion	1	-5	-3	-2	-21	0	-22	-7	-22	-33	-23	-1
Existing Infrastructure	-2	-5	-3	-1	-12	0	-20	-8	-20	-30	-23	-2
Reduced Diversion	-3	-6	-1	-1	-7	0	-8	-7	-13	-21	-19	-3

Changes in End of Month Storage in Jenkinson Lake, AF – Baseline vs Project, Alternatives (All Water Year Types)

Water Year Type	Alternative Compared to Baseline	Average Monthly Difference in Storage, AF											
		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	Proposed Project (Post-Construction)	2,719	2,713	2,775	2,945	2,369	989	241	0	20	64	74	72
	Direct Diversion Only	2,719	2,713	2,775	2,945	2,369	989	241	0	20	64	74	72
	Reduced Season of Diversion	2,719	2,713	2,775	2,945	2,369	989	241	0	20	64	74	72
	Existing Infrastructure	2,493	2,487	2,542	2,608	2,145	987	236	0	0	0	0	0
	Reduced Diversion	2,179	2,174	2,229	2,297	1,899	917	224	0	0	0	0	0
Above Normal	Proposed Project (Post-Construction)	899	897	908	1,099	1,104	1,080	1,030	101	93	108	107	107
	Direct Diversion Only	899	897	908	1,099	1,104	1,080	1,030	101	93	108	107	107
	Reduced Season of Diversion	899	897	908	1,099	1,104	1,080	1,030	101	93	108	107	107
	Existing Infrastructure	735	734	733	1,027	1,025	1,022	952	101	44	43	43	43
	Reduced Diversion	405	404	404	982	980	976	906	101	44	43	43	43
Below Normal	Proposed Project (Post-Construction)	3,563	3,541	3,559	4,687	4,685	3,637	2,924	2,447	2,208	2,098	2,028	1,814
	Direct Diversion Only	3,563	3,541	3,559	4,687	4,685	3,637	2,924	2,447	2,208	2,098	2,028	1,814
	Reduced Season of Diversion	3,563	3,541	3,559	4,687	4,685	3,637	2,924	2,447	2,208	2,098	2,028	1,814
	Existing Infrastructure	3,497	3,489	3,498	4,454	4,475	3,465	2,752	2,376	2,091	1,978	1,909	1,695
	Reduced Diversion	3,157	3,149	3,211	3,942	4,100	3,291	2,583	2,209	1,925	1,813	1,745	1,532
Dry	Proposed Project (Post-Construction)	2,429	2,423	2,423	2,834	4,572	5,303	5,401	4,833	4,052	3,365	2,941	2,923
	Direct Diversion Only	2,429	2,423	2,423	2,834	4,572	5,303	5,401	4,833	4,052	3,365	2,941	2,923
	Reduced Season of Diversion	2,429	2,423	2,423	2,834	4,572	5,303	5,401	4,833	4,052	3,365	2,941	2,923
	Existing Infrastructure	2,298	2,293	2,289	2,710	4,355	4,791	5,018	4,697	3,877	3,189	2,765	2,749
	Reduced Diversion	2,151	2,146	2,174	2,604	3,806	4,029	4,126	3,946	3,512	2,870	2,466	2,451
Critically Dry	Proposed Project (Post-Construction)	2,617	2,611	2,628	3,764	8,173	12,058	11,710	10,632	9,382	8,093	6,977	6,579
	Direct Diversion Only	2,617	2,611	2,628	3,764	8,173	12,058	11,710	10,632	9,382	8,093	6,977	6,579
	Reduced Season of Diversion	2,617	2,611	2,628	3,764	8,173	12,058	11,710	10,632	9,382	8,093	6,977	6,579
	Existing Infrastructure	2,512	2,506	2,518	3,596	6,791	9,624	10,996	10,167	9,084	7,845	6,731	6,334
	Reduced Diversion	2,410	2,405	2,429	3,194	5,143	6,514	7,260	7,031	6,731	6,153	5,656	5,772

Changes in End of Month Storage in Jenkinson Lake, AF – Future Baseline vs Future Project, Alternatives (All Water Year Types)

Water Year Type	Alternative Compared to Baseline	Average Monthly Difference in Storage, AF											
		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	Proposed Project (Post-Construction)	4,790	4,507	4,563	5,088	4,250	2,206	825	414	250	293	301	297
	Direct Diversion Only	4,790	4,507	4,563	5,088	4,250	2,206	825	414	250	293	301	297
	Reduced Season of Diversion	4,790	4,507	4,563	5,088	4,250	2,206	825	414	250	293	301	297
	Existing Infrastructure	4,618	4,336	4,391	4,766	4,056	2,150	814	414	225	224	222	221
	Reduced Diversion	3,350	3,070	3,081	3,156	2,803	1,379	722	414	225	224	222	221
Above Normal	Proposed Project (Post-Construction)	1,100	1,098	1,207	3,631	2,798	2,426	1,823	693	717	730	725	720
	Direct Diversion Only	1,100	1,098	1,207	3,631	2,798	2,426	1,823	693	717	730	725	720
	Reduced Season of Diversion	1,099	1,098	1,207	3,626	2,794	2,422	1,822	693	717	730	725	720
	Existing Infrastructure	1,055	1,053	1,155	3,288	2,611	2,263	1,800	693	665	661	657	652
	Reduced Diversion	1,055	1,053	1,155	2,574	2,106	2,166	1,720	693	665	661	657	652
Below Normal	Proposed Project (Post-Construction)	6,583	6,142	5,968	7,941	8,705	7,967	6,504	5,108	3,888	3,862	3,839	3,867
	Direct Diversion Only	6,583	6,142	5,968	7,941	8,705	7,967	6,504	5,108	3,888	3,862	3,839	3,867
	Reduced Season of Diversion	6,583	6,142	5,968	7,941	8,704	7,967	6,503	5,108	3,888	3,862	3,839	3,866
	Existing Infrastructure	6,546	6,104	5,934	7,549	8,418	7,640	6,331	5,005	3,803	3,786	3,776	3,814
	Reduced Diversion	4,259	3,822	3,656	4,875	5,807	5,714	5,170	4,011	3,074	3,142	3,138	3,389
Dry	Proposed Project (Post-Construction)	4,325	3,970	3,950	5,031	8,548	10,776	9,658	8,342	6,711	6,427	6,392	6,348
	Direct Diversion Only	4,325	3,970	3,950	5,031	8,548	10,776	9,658	8,342	6,711	6,427	6,392	6,348
	Reduced Season of Diversion	4,325	3,970	3,950	5,031	8,548	10,777	9,658	8,342	6,710	6,427	6,391	6,347
	Existing Infrastructure	4,281	3,925	3,901	4,961	7,420	9,566	8,793	7,954	6,631	6,361	6,335	6,292
	Reduced Diversion	3,213	2,860	2,760	3,620	4,942	5,892	5,969	5,174	4,412	4,770	5,288	5,274
Critically Dry	Proposed Project (Post-Construction)	7,133	6,870	7,019	8,498	13,124	17,782	18,345	17,847	16,879	16,339	15,522	14,403
	Direct Diversion Only	7,133	6,870	7,019	8,498	13,124	17,782	18,345	17,847	16,879	16,339	15,522	14,403
	Reduced Season of Diversion	7,133	6,870	7,019	8,499	13,124	17,782	18,346	17,847	16,879	16,339	15,522	14,403
	Existing Infrastructure	7,078	6,815	6,960	8,350	11,556	14,713	16,767	16,760	15,944	15,621	15,324	14,260
	Reduced Diversion	5,511	5,251	5,163	6,232	8,196	9,417	10,363	10,283	9,973	10,266	10,552	10,095

Changes in End of Month Storage in Forebay Reservoir, AF – Baseline vs Project, Alternatives (All Water Year Types)

Water Year Type	Alternative Compared to Baseline	Average Monthly Difference in Storage, AF											
		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	Proposed Project (Post-Construction)	0	0	0	0	0	0	0	0	0	0	0	0
	Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
	Reduced Season of Diversion	0	0	0	0	0	0	0	0	0	0	0	0
	Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
	Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal	Proposed Project (Post-Construction)	0	0	0	0	0	0	0	0	0	0	0	0
	Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
	Reduced Season of Diversion	0	0	0	0	0	0	0	0	0	0	0	0
	Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
	Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal	Proposed Project (Post-Construction)	0	0	0	-10	0	0	0	0	0	0	35	0
	Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	9	0
	Reduced Season of Diversion	0	0	0	-10	0	0	0	0	0	0	35	0
	Existing Infrastructure	0	0	0	-5	0	0	0	0	0	0	35	0
	Reduced Diversion	0	0	0	0	0	0	0	0	0	0	35	0
Dry	Proposed Project (Post-Construction)	0	0	0	0	-7	-8	0	0	5	0	0	0
	Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	-8	0
	Reduced Season of Diversion	0	0	0	0	-7	-8	0	0	5	0	0	0
	Existing Infrastructure	0	0	0	0	-6	0	0	0	5	0	0	0
	Reduced Diversion	0	0	0	0	0	0	0	0	5	0	0	0
Critically Dry	Proposed Project (Post-Construction)	0	0	0	-10	-40	-16	-6	0	10	40	16	0
	Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	-21	0
	Reduced Season of Diversion	0	0	0	-10	-40	-16	-6	0	10	40	16	0
	Existing Infrastructure	0	0	0	-11	-11	0	0	0	8	40	16	0
	Reduced Diversion	0	0	-2	-6	-8	0	0	0	2	38	3	0

Changes in End of Month Storage in Forebay Reservoir, AF – Future Baseline vs Future Project, Alternatives (All Water Year Types)

Water Year Type	Alternative Compared to Baseline	Average Monthly Difference in Storage, AF											
		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	Proposed Project (Post-Construction)	0	0	-3	0	0	0	0	0	0	0	0	0
	Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
	Reduced Season of Diversion	0	0	-3	0	0	0	0	0	0	0	0	0
	Existing Infrastructure	0	0	-3	-3	0	0	0	0	0	0	0	0
	Reduced Diversion	0	0	-3	-2	0	0	0	0	0	0	0	0
Above Normal	Proposed Project (Post-Construction)	0	0	0	0	0	0	0	0	0	0	0	0
	Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
	Reduced Season of Diversion	0	0	0	0	0	0	0	0	0	0	0	0
	Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
	Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal	Proposed Project (Post-Construction)	0	0	0	-10	-10	0	0	0	5	0	-7	0
	Direct Diversion Only	0	0	0	0	0	0	0	0	3	0	-17	0
	Reduced Season of Diversion	0	0	0	-10	-10	0	0	0	5	0	-7	0
	Existing Infrastructure	0	0	0	-5	-5	0	0	0	5	0	-17	0
	Reduced Diversion	0	0	0	0	-5	0	0	0	5	0	-17	0
Dry	Proposed Project (Post-Construction)	0	0	-7	-7	-29	-8	0	0	5	0	-1	0
	Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	-15	0
	Reduced Season of Diversion	0	0	-7	-7	-29	-8	0	0	5	0	0	0
	Existing Infrastructure	0	0	-7	-7	-6	0	0	0	5	0	0	0
	Reduced Diversion	0	0	-7	-11	0	0	0	0	0	0	-7	0
Critically Dry	Proposed Project (Post-Construction)	0	0	-7	-24	-45	-17	-7	0	5	-2	-12	0
	Direct Diversion Only	0	0	0	0	0	0	0	0	0	-10	-54	0
	Reduced Season of Diversion	0	0	-7	-24	-45	-17	-7	0	5	-2	-12	0
	Existing Infrastructure	0	0	-7	-21	-11	0	0	0	5	-2	-29	0
	Reduced Diversion	0	0	0	-16	-8	0	0	0	0	-8	-35	0

Changes in End of Month Storage in Slab Creek Reservoir, AF – Baseline vs Project, Alternatives (All Water Year Types)

Water Year Type	Alternative Compared to Baseline	Average Monthly Difference in Storage, AF											
		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	Proposed Project (Post-Construction)	0	0	0	0	0	-1	0	0	0	0	0	0
	Direct Diversion Only	0	0	0	0	0	-1	0	0	0	0	0	0
	Reduced Season of Diversion	0	0	0	0	0	-1	0	0	0	0	0	0
	Existing Infrastructure	0	0	0	0	0	-1	0	0	0	0	0	0
	Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal	Proposed Project (Post-Construction)	0	0	2	0	0	0	0	0	0	0	0	0
	Direct Diversion Only	0	0	2	0	0	0	0	0	0	0	0	0
	Reduced Season of Diversion	0	0	2	0	0	0	0	0	0	0	0	0
	Existing Infrastructure	0	0	2	0	0	0	0	0	0	0	0	0
	Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal	Proposed Project (Post-Construction)	0	0	0	-7	0	1	1	2	1	0	1	0
	Direct Diversion Only	0	0	1	0	0	0	0	1	1	0	0	-2
	Reduced Season of Diversion	0	0	0	-7	0	1	1	2	1	0	1	0
	Existing Infrastructure	0	0	0	-7	0	1	1	2	1	0	1	0
	Reduced Diversion	0	0	0	-1	0	1	2	2	1	0	1	0
Dry	Proposed Project (Post-Construction)	0	0	0	0	-7	-1	2	2	-2	0	0	0
	Direct Diversion Only	0	0	0	0	1	0	-1	0	0	0	-7	0
	Reduced Season of Diversion	0	0	0	0	-7	-1	2	2	-1	0	0	0
	Existing Infrastructure	0	0	0	0	-7	-1	2	2	-2	0	0	0
	Reduced Diversion	0	0	1	0	-12	0	0	2	-4	0	0	0
Critically Dry	Proposed Project (Post-Construction)	0	0	0	-6	-52	-55	5	27	12	30	21	0
	Direct Diversion Only	0	0	0	0	0	0	0	-1	0	0	-7	-3
	Reduced Season of Diversion	0	0	0	-6	-52	-55	5	27	12	30	21	0
	Existing Infrastructure	0	0	0	-6	-52	-55	5	27	12	30	21	0
	Reduced Diversion	0	0	0	-5	-15	-4	-11	2	2	20	21	-1

Changes in End of Month Storage in Slab Creek Reservoir, AF – Future Baseline vs Future Project, Alternatives (All Water Year Types)

Water Year Type	Alternative Compared to Baseline	Average Monthly Difference in Storage, AF											
		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	Proposed Project (Post-Construction)	0	0	-1	0	0	-1	0	0	0	0	0	0
	Direct Diversion Only	0	0	0	0	0	-1	0	0	0	0	0	0
	Reduced Season of Diversion	0	0	-1	0	0	-1	0	0	0	0	0	0
	Existing Infrastructure	0	0	-1	0	0	-1	0	0	0	0	0	0
	Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal	Proposed Project (Post-Construction)	0	0	2	1	1	1	3	0	0	0	0	0
	Direct Diversion Only	0	0	2	1	0	0	3	0	0	0	0	0
	Reduced Season of Diversion	0	0	2	1	1	1	3	0	0	0	0	0
	Existing Infrastructure	0	0	2	1	1	1	3	0	0	0	0	0
	Reduced Diversion	0	0	0	-7	1	-1	3	0	0	0	0	0
Below Normal	Proposed Project (Post-Construction)	0	0	1	-7	-3	4	1	4	1	0	0	0
	Direct Diversion Only	0	0	1	0	0	0	-1	1	-1	0	0	-3
	Reduced Season of Diversion	0	0	1	-7	-3	4	1	4	1	0	0	0
	Existing Infrastructure	0	0	1	-7	-3	4	1	4	1	0	0	0
	Reduced Diversion	0	0	0	-3	-4	-1	0	3	1	0	0	0
Dry	Proposed Project (Post-Construction)	0	0	0	-1	-48	1	20	2	2	0	0	0
	Direct Diversion Only	0	0	0	0	1	0	0	0	0	0	-17	-4
	Reduced Season of Diversion	0	0	0	-1	-48	1	20	2	1	0	0	0
	Existing Infrastructure	0	0	0	-1	-48	1	20	2	2	0	0	0
	Reduced Diversion	0	0	0	-2	-16	-4	17	0	0	0	-6	0
Critically Dry	Proposed Project (Post-Construction)	0	0	-1	-11	-53	-55	-3	-1	14	-3	-1	-104
	Direct Diversion Only	0	0	0	0	0	0	0	-1	0	-35	-36	-8
	Reduced Season of Diversion	0	0	-1	-11	-53	-55	-3	-1	14	-3	-1	-2
	Existing Infrastructure	0	0	-1	-11	-53	-55	-3	-1	14	-3	-1	-104
	Reduced Diversion	0	0	0	-8	-15	-4	-11	0	6	-33	-15	-2

Changes in End of Month Storage in Chili Bar Creek Reservoir, AF – Baseline vs Project, Alternatives (All Water Year Types)

Water Year Type	Alternative Compared to Baseline	Average Monthly Difference in Storage, AF											
		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	Proposed Project (Post-Construction)	0	0	0	0	0	0	0	0	0	0	0	0
	Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
	Reduced Season of Diversion	0	0	0	0	0	0	0	0	0	0	0	0
	Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
	Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal	Proposed Project (Post-Construction)	0	0	1	0	0	0	0	0	0	0	0	0
	Direct Diversion Only	0	0	1	0	0	0	0	0	0	0	0	0
	Reduced Season of Diversion	0	0	1	0	0	0	0	0	0	0	0	0
	Existing Infrastructure	0	0	1	0	0	0	0	0	0	0	0	0
	Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal	Proposed Project (Post-Construction)	0	0	0	-1	0	0	0	0	0	0	0	0
	Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
	Reduced Season of Diversion	0	0	0	-1	0	0	0	0	0	0	0	0
	Existing Infrastructure	0	0	0	-1	0	0	0	0	0	0	0	0
	Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Dry	Proposed Project (Post-Construction)	0	0	0	0	-1	0	0	0	-2	0	0	0
	Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	-1	0
	Reduced Season of Diversion	0	0	0	0	-1	0	0	0	-1	0	0	0
	Existing Infrastructure	0	0	0	0	-1	0	0	0	-2	0	0	0
	Reduced Diversion	0	0	0	0	-1	0	0	0	-1	0	0	0
Critically Dry	Proposed Project (Post-Construction)	0	0	0	-1	-5	-6	4	4	2	4	3	0
	Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	-1	0
	Reduced Season of Diversion	0	0	0	-1	-5	-6	4	4	2	4	3	0
	Existing Infrastructure	0	0	0	-1	-5	-6	4	4	2	4	3	0
	Reduced Diversion	0	0	0	0	-1	0	-4	0	0	3	3	0

Changes in End of Month Storage in Chili Bar Reservoir, AF – Future Baseline vs Future Project, Alternatives (All Water Year Types)

Water Year Type	Alternative Compared to Baseline	Average Monthly Difference in Storage, AF											
		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	Proposed Project (Post-Construction)	0	0	0	0	0	0	0	0	0	0	0	0
	Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
	Reduced Season of Diversion	0	0	0	0	0	0	0	0	0	0	0	0
	Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
	Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal	Proposed Project (Post-Construction)	0	0	1	0	0	1	0	0	0	0	0	0
	Direct Diversion Only	0	0	1	0	0	0	0	0	0	0	0	0
	Reduced Season of Diversion	0	0	1	0	0	1	0	0	0	0	0	0
	Existing Infrastructure	0	0	1	0	0	1	0	0	0	0	0	0
	Reduced Diversion	0	0	0	-2	0	-1	0	0	0	0	0	0
Below Normal	Proposed Project (Post-Construction)	0	0	0	-1	0	0	0	1	0	0	0	0
	Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
	Reduced Season of Diversion	0	0	0	-1	0	0	0	1	0	0	0	0
	Existing Infrastructure	0	0	0	-1	0	0	0	1	0	0	0	0
	Reduced Diversion	0	0	0	0	-1	0	-1	1	0	0	0	0
Dry	Proposed Project (Post-Construction)	0	0	0	0	-4	1	10	0	0	0	0	0
	Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	-4	0
	Reduced Season of Diversion	0	0	0	0	-4	1	10	0	0	0	0	0
	Existing Infrastructure	0	0	0	0	-4	1	10	0	0	0	0	0
	Reduced Diversion	0	0	0	0	-1	-1	9	0	0	0	-1	0
Critically Dry	Proposed Project (Post-Construction)	0	0	0	-1	-5	-6	1	0	2	0	0	-15
	Direct Diversion Only	0	0	0	0	0	0	0	0	0	-5	-5	0
	Reduced Season of Diversion	0	0	0	-1	-5	-6	1	0	2	0	0	0
	Existing Infrastructure	0	0	0	-1	-5	-6	1	0	2	0	0	-15
	Reduced Diversion	0	0	0	-1	-1	0	-5	0	1	-4	-2	0

Changes in End of Month Storage in Union Valley Reservoir, AF – Baseline vs Project, Alternatives (All Water Year Types)

Water Year Type	Alternative Compared to Baseline	Average Monthly Difference in Storage, AF											
		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	Proposed Project (Post-Construction)	2	0	-1	0	0	0	0	0	0	0	0	0
	Direct Diversion Only	0	0	-1	0	0	0	0	0	0	0	0	0
	Reduced Season of Diversion	2	0	-1	0	0	0	0	0	0	0	0	0
	Existing Infrastructure	2	0	-1	0	0	0	0	0	0	0	0	0
	Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal	Proposed Project (Post-Construction)	0	0	0	0	0	0	0	0	0	0	0	0
	Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
	Reduced Season of Diversion	0	0	0	0	0	0	0	0	0	0	0	0
	Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
	Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal	Proposed Project (Post-Construction)	0	0	-1	-8	-37	1	1	0	13	0	9	0
	Direct Diversion Only	0	0	0	0	0	0	0	0	-5	0	0	0
	Reduced Season of Diversion	0	0	-1	-8	-37	1	1	0	13	0	9	0
	Existing Infrastructure	0	0	-1	-8	-37	1	1	0	13	0	9	0
	Reduced Diversion	0	0	0	-5	-33	1	1	0	18	0	9	0
Dry	Proposed Project (Post-Construction)	0	0	1	0	-17	-23	-21	-17	101	-24	0	0
	Direct Diversion Only	0	0	1	0	1	0	0	0	-4	-3	0	0
	Reduced Season of Diversion	0	0	1	0	-17	-23	-21	-16	99	-24	0	0
	Existing Infrastructure	0	0	1	0	-17	-23	-21	-17	101	-24	0	0
	Reduced Diversion	0	0	-31	0	-12	-16	-14	-12	70	-14	0	0
Critically Dry	Proposed Project (Post-Construction)	0	0	-15	0	-38	-47	-46	-31	419	971	1,116	189
	Direct Diversion Only	0	0	0	0	0	0	0	0	-3	-2	-143	-95
	Reduced Season of Diversion	0	0	-15	0	-38	-47	-46	-31	421	973	1,117	189
	Existing Infrastructure	0	0	-15	0	-38	-47	-46	-31	419	971	1,116	189
	Reduced Diversion	0	0	-17	-1	-24	-20	-23	-23	103	377	519	-28

Changes in End of Month Storage in Union Valley Reservoir, AF – Future Baseline vs Future Project, Alternatives (All Water Year Types)

Water Year Type	Alternative Compared to Baseline	Average Monthly Difference in Storage, AF											
		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	Proposed Project (Post-Construction)	0	0	-1	0	0	0	0	0	0	0	0	0
	Direct Diversion Only	0	0	-1	0	0	0	0	0	0	0	0	0
	Reduced Season of Diversion	0	0	-1	0	0	0	0	0	0	0	0	0
	Existing Infrastructure	0	0	-1	0	0	0	0	0	0	0	0	0
	Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal	Proposed Project (Post-Construction)	0	0	0	0	0	0	0	0	0	0	0	0
	Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
	Reduced Season of Diversion	0	0	0	0	0	0	0	0	0	0	0	0
	Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
	Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal	Proposed Project (Post-Construction)	0	0	0	-8	-53	-8	-8	-10	47	0	0	0
	Direct Diversion Only	0	0	0	0	0	0	0	0	33	0	0	0
	Reduced Season of Diversion	0	0	0	-8	-53	-8	-8	-10	46	0	0	0
	Existing Infrastructure	0	0	0	-8	-53	-8	-8	-10	47	0	0	0
	Reduced Diversion	0	0	0	-5	-36	-4	-4	-3	36	0	0	0
Dry	Proposed Project (Post-Construction)	0	0	-56	0	-88	-175	-172	-167	41	-56	0	0
	Direct Diversion Only	0	0	1	0	1	0	0	0	-4	-1	0	0
	Reduced Season of Diversion	0	0	-56	0	-88	-175	-172	-168	40	-55	0	0
	Existing Infrastructure	0	0	-56	0	-88	-175	-172	-167	41	-56	0	0
	Reduced Diversion	0	0	0	0	-21	-41	-43	-42	9	65	0	0
Critically Dry	Proposed Project (Post-Construction)	0	0	-26	-24	-58	-65	-68	-68	133	265	292	-27
	Direct Diversion Only	0	0	0	0	0	0	0	0	-3	-365	-979	-293
	Reduced Season of Diversion	0	0	-26	-24	-58	-65	-68	-67	132	265	218	-163
	Existing Infrastructure	0	0	-26	-24	-58	-65	-68	-68	133	265	292	-27
	Reduced Diversion	0	0	0	-24	-44	-38	-40	-40	-40	-335	-687	-205

Changes in End of Month Storage in Folsom Reservoir, AF – Baseline vs Project, Alternatives (All Water Year Types)

Water Year Type	Alternative Compared to Baseline	Average Monthly Difference in Storage, 1,000 AF											
		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	Proposed Project (Post-Construction)	0	0	0	0	0	0	0	0	0	0	0	0
	Direct Diversion Only	-1	-1	-1	0	0	0	0	0	0	0	0	0
	Reduced Season of Diversion	-2	-1	-2	0	0	0	0	0	0	0	0	0
	Existing Infrastructure	0	1	0	0	0	0	0	0	0	0	0	0
	Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Above Normal	Proposed Project (Post-Construction)	0	0	0	0	0	0	0	0	0	0	0	0
	Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
	Reduced Season of Diversion	0	0	0	0	0	0	0	0	0	0	0	-1
	Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
	Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal	Proposed Project (Post-Construction)	-2	-2	-2	-2	-3	0	0	0	0	0	0	0
	Direct Diversion Only	-1	-1	-1	0	-1	0	0	0	0	0	0	0
	Reduced Season of Diversion	-4	-3	-4	-4	-5	0	0	0	0	0	0	0
	Existing Infrastructure	-2	-2	-2	-2	-2	0	0	0	0	0	0	0
	Reduced Diversion	-1	-1	-1	-2	-2	0	0	0	0	0	0	0
Dry	Proposed Project (Post-Construction)	0	0	0	-1	-2	-3	-3	-2	1	2	2	2
	Direct Diversion Only	0	0	0	0	-1	0	0	0	0	0	-1	-1
	Reduced Season of Diversion	-1	-1	-1	-3	-4	-7	-8	-7	-5	-3	-2	-2
	Existing Infrastructure	0	0	0	-1	-2	-2	-3	-2	1	2	2	2
	Reduced Diversion	0	0	0	-1	-2	-2	-2	-2	-1	0	0	0
Critically Dry	Proposed Project (Post-Construction)	1	0	0	-1	-4	-8	-7	-6	-5	-2	-2	-1
	Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	-1
	Reduced Season of Diversion	-1	-1	-1	-2	-5	-11	-10	-10	-8	-4	-4	-4
	Existing Infrastructure	1	0	0	-1	-3	-6	-6	-5	-4	-2	-2	-1
	Reduced Diversion	0	0	0	-1	-2	-4	-4	-4	-3	-2	-1	-1

Changes in End of Month Storage in Folsom Reservoir, AF – Future Baseline vs Future Project, Alternatives (All Water Year Types)

Water Year Type	Alternative Compared to Baseline	Average Monthly Difference in Storage, 1,000 AF											
		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	Proposed Project (Post-Construction)	-1	-1	-1	0	0	0	0	0	0	0	0	0
	Direct Diversion Only	-1	-1	-1	0	0	0	0	0	0	0	0	0
	Reduced Season of Diversion	1	1	1	0	0	0	0	0	0	0	0	0
	Existing Infrastructure	-1	-1	-1	0	0	0	0	0	0	0	0	0
	Reduced Diversion	-1	-1	-1	0	0	0	0	0	0	0	0	0
Above Normal	Proposed Project (Post-Construction)	0	0	0	0	0	1	0	0	0	0	0	0
	Direct Diversion Only	0	0	0	0	0	0	0	0	0	0	0	0
	Reduced Season of Diversion	0	0	0	0	0	1	0	0	0	0	0	1
	Existing Infrastructure	0	0	0	0	0	0	0	0	0	0	0	0
	Reduced Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Below Normal	Proposed Project (Post-Construction)	-3	-3	-3	-4	-5	0	0	0	1	0	0	0
	Direct Diversion Only	-2	-2	-2	-1	-1	0	0	0	0	0	0	0
	Reduced Season of Diversion	-1	-1	-1	-2	-3	0	0	0	1	1	0	0
	Existing Infrastructure	-3	-3	-3	-4	-4	0	0	0	1	0	0	0
	Reduced Diversion	-2	-2	-2	-2	-3	0	0	0	1	0	0	0
Dry	Proposed Project (Post-Construction)	-1	-1	-1	-2	-4	-6	-6	-5	-3	-2	-1	-1
	Direct Diversion Only	-1	-1	-1	-1	-1	-1	-1	-1	0	0	-1	-2
	Reduced Season of Diversion	1	0	0	0	-1	-2	-1	0	3	3	2	3
	Existing Infrastructure	-1	-1	-1	-2	-4	-6	-6	-5	-3	-1	-1	-1
	Reduced Diversion	-1	-1	-1	-2	-3	-3	-4	-3	-2	-1	-1	-1
Critically Dry	Proposed Project (Post-Construction)	-1	-1	-1	-2	-6	-10	-10	-9	-7	-4	-3	-3
	Direct Diversion Only	-1	0	0	-1	-1	0	-1	0	0	0	0	-2
	Reduced Season of Diversion	1	0	0	-1	-5	-8	-6	-5	-4	-1	-1	0
	Existing Infrastructure	-1	-1	-1	-2	-5	-8	-8	-8	-6	-3	-3	-3
	Reduced Diversion	-1	-1	0	-2	-3	-4	-5	-4	-3	-1	-1	-2