Appendix 11D

Sacramento River Water Quality Model and Reclamation Temperature Model Results Utilized in the Fish Analysis

Appendix 11D
Sacramento River Water Quality Model and Reclamation Temperature Model Results Utilized in the Fish Analysis[1]

The acronyms and abbreviations found in this appendix are defined below.

WYT	=	Water Year Type.
W	=	Wet.
AN	=	Above Normal.
BN	=	Below Normal.
D	=	Dry.
C	=	Critical.
All	=	All water year types combined.
AVG	=	Average.
NAA	=	No Action Alternative.
A1A_LLT	=	Alternative 1A Late Long-Term.
A2A_LLT	=	Alternative 2A Late Long-Term.
A3_LLT	=	Alternative 3 Late Long-Term.
A4_LLT	=	Alternative 4 Late Long-Term.
H1	=	Scenario H1 – Does not include enhanced spring outflow or Fall X2 requirements.
H2	=	Scenario H2 – includes enhanced spring outflow, but not Fall X2 requirements. This scenario lies within the range of the other scenarios.
H3	=	Scenario H3 – Does not include enhanced spring outflow, but includes Fall X2 requirements (similar to Alternative 2A). This scenario lies within the range of the other scenarios.
H4	=	Scenario H4 – Includes both enhanced spring outflow requirements, and Fall X2 requirements.
A5_LLT	=	Alternative 5 Late Long-Term.
A6A_LLT	=	Alternative 6A Late Long-Term.
A7_LLT	=	Alternative 7 Late Long-Term.
A8_LLT	=	Alternative 8 Late Long-Term.
A9_LLT	=	Alternative 9 Late Long-Term.

[1] Sacramento River Water Quality Model outputs were used for all locations in the Sacramento River; Reclamation Temperature Model outputs were used for locations in all other rivers. The Sacramento River Valley Water Year Type Index (40-30-30) was used for all rivers except the Stanislaus River, for which the San Joaquin River Valley Water Year Type Index (60-20-20) was used.

11D.1 Alternative 1A

11D.1.1 Sacramento River at Keswick

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 1A Model Scenarios in the Sacramento River at Keswick, Year-Round

Alternative 1A: Sacramento River at Keswick				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
JAN	W	46	47	47
	AN	46	48	48
	BN	47	48	48
	D	47	48	48
	C	47	48	48
	All	46	48	48
FEB	W	45	47	47
	AN	46	47	47
	BN	46	47	47
	D	46	48	48
	C	46	48	48
	All	46	47	47
MAR	W	46	47	47
	AN	46	48	48
	BN	47	48	48
	D	47	49	49
	C	48	50	50
	All	47	48	48
APR	W	47	49	49
	AN	48	50	50
	BN	48	50	50
	D	48	50	50
	C	49	51	51
	All	48	50	50
MAY	W	49	50	50
	AN	49	51	51
	BN	49	51	51
	D	49	51	51
	C	51	53	53
	All	49	51	51
JUN	W	50	51	50
	AN	50	51	51
	BN	50	51	51
	D	50	52	53
	C	53	55	55
	All	50	52	52

Alternative 1A: Sacramento River at Keswick				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
JUL	W	51	52	52
	AN	51	52	52
	BN	51	52	53
	D	51	54	54
	C	54	59	59
	All	51	53	54
AUG	W	52	54	54
	AN	52	54	55
	BN	52	54	55
	D	53	56	56
	C	57	64	64
	All	53	56	56
SEP	W	53	55	56
	AN	54	56	57
	BN	54	56	57
	D	55	59	59
	C	60	66	66
	All	55	58	58
OCT	W	54	57	57
	AN	54	57	57
	BN	54	57	58
	D	55	58	58
	C	56	60	60
	All	54	58	58
NOV	W	53	55	55
	AN	52	55	55
	BN	53	55	55
	D	53	56	56
	C	54	56	56
	All	53	55	55
DEC	W	49	50	50
	AN	49	51	51
	BN	50	52	52
	D	50	52	52
	C	51	52	52
	All	50	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Keswick, Year-Round

Alternative 1A: Sacramento River at Keswick			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
JAN	W	1.3 (2.8%)	0 (-0.1%)
	AN	1.5 (3.2%)	0 (0.1%)
	BN	1.6 (3.4%)	-0.1 (-0.2%)
	D	1.5 (3.2%)	-0.1 (-0.2%)
	C	1.6 (3.5%)	-0.2 (-0.4%)
	AVG	1.5 (3.1%)	-0.1 (-0.2%)
FEB	W	1.5 (3.4%)	0 (0%)
	AN	1.7 (3.7%)	0.1 (0.2%)
	BN	1.4 (3.1%)	-0.1 (-0.2%)
	D	1.6 (3.6%)	-0.1 (-0.2%)
	C	1.7 (3.6%)	-0.1 (-0.2%)
	AVG	1.6 (3.5%)	0 (-0.1%)
MAR	W	1.5 (3.3%)	0 (0.1%)
	AN	1.8 (3.8%)	0.1 (0.3%)
	BN	1.6 (3.5%)	0.1 (0.2%)
	D	1.7 (3.5%)	0 (0%)
	C	1.8 (3.8%)	-0.1 (-0.2%)
	AVG	1.6 (3.5%)	0 (0.1%)
APR	W	1.7 (3.5%)	0 (0%)
	AN	1.7 (3.5%)	0 (-0.1%)
	BN	1.5 (3.2%)	0.2 (0.4%)
	D	1.3 (2.7%)	-0.3 (-0.5%)
	C	1.9 (4%)	-0.1 (-0.3%)
	AVG	1.6 (3.3%)	-0.1 (-0.1%)
MAY	W	1.6 (3.3%)	-0.2 (-0.3%)
	AN	1.3 (2.7%)	0 (0%)
	BN	1.5 (3%)	0.1 (0.2%)
	D	1.3 (2.7%)	-0.2 (-0.4%)
	C	2.1 (4.1%)	0.1 (0.2%)
	AVG	1.5 (3.1%)	-0.1 (-0.1%)
JUN	W	0.8 (1.6%)	-0.2 (-0.3%)
	AN	1.1 (2.2%)	-0.2 (-0.3%)
	BN	1.5 (2.9%)	0.2 (0.4%)
	D	2.3 (4.5%)	0.4 (0.7%)
	C	2.4 (4.6%)	0.3 (0.5%)
	AVG	1.5 (3%)	0.1 (0.2%)
JUL	W	1.3 (2.5%)	0.4 (0.7%)
	AN	1.7 (3.4%)	0.3 (0.6%)
	BN	2.3 (4.5%)	1 (1.8%)
	D	2.9 (5.8%)	0.6 (1.1%)
	C	5.2 (9.7%)	0.1 (0.1%)
	AVG	2.5 (4.8%)	0.5 (0.9%)

Alternative 1A: Sacramento River at Keswick			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
AUG	W	2.3 (4.5%)	0.4 (0.7%)
	AN	2.4 (4.6%)	0.5 (1%)
	BN	2.9 (5.6%)	0.6 (1%)
	D	3.4 (6.5%)	0.4 (0.8%)
	C	7.8 (13.7%)	0.3 (0.4%)
	AVG	3.5 (6.6%)	0.4 (0.8%)
SEP	W	2.4 (4.6%)	0.8 (1.4%)
	AN	2.8 (5.3%)	0.6 (1.1%)
	BN	3.3 (6.1%)	0.6 (1.1%)
	D	4.4 (8.1%)	0 (0%)
	C	5.9 (9.8%)	-0.1 (-0.1%)
	AVG	3.6 (6.6%)	0.4 (0.8%)
OCT	W	2.8 (5.3%)	-0.2 (-0.4%)
	AN	2.7 (5%)	-0.1 (-0.1%)
	BN	3.3 (6.2%)	0.3 (0.5%)
	D	3.6 (6.5%)	0 (0.1%)
	C	3.5 (6.3%)	-0.2 (-0.4%)
	AVG	3.2 (5.8%)	0 (-0.1%)
NOV	W	2.1 (4.1%)	-0.1 (-0.2%)
	AN	2.3 (4.4%)	0.1 (0.2%)
	BN	2.5 (4.7%)	0 (0.1%)
	D	2.4 (4.6%)	0.1 (0.2%)
	C	2.4 (4.4%)	-0.1 (-0.1%)
	AVG	2.3 (4.4%)	0 (0%)
DEC	W	1.2 (2.5%)	0 (0%)
	AN	1.6 (3.2%)	-0.2 (-0.3%)
	BN	1.8 (3.5%)	-0.3 (-0.5%)
	D	1.7 (3.5%)	-0.2 (-0.4%)
	C	1.8 (3.6%)	-0.1 (-0.2%)
	AVG	1.6 (3.2%)	-0.1 (-0.3%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.1.2 Sacramento River at Jelly's Ferry

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 1A Model Scenarios in the Sacramento River at Jelly's Ferry, Year-Round

Alternative 1A: Sacramento River at Jelly's Ferry				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
JAN	W	45	47	47
	AN	45	47	47
	BN	45	46	47
	D	45	47	47
	C	45	47	47
	AVG	45	47	47
FEB	W	46	47	47
	AN	46	48	48
	BN	46	48	47
	D	46	48	48
	C	47	49	49
	AVG	46	48	48
MAR	W	48	49	50
	AN	49	51	51
	BN	49	51	51
	D	50	51	51
	C	50	52	52
	AVG	49	51	51
APR	W	51	53	53
	AN	53	55	54
	BN	53	54	54
	D	52	54	54
	C	52	54	54
	AVG	52	54	54
MAY	W	54	57	56
	AN	55	57	56
	BN	54	57	56
	D	54	56	55
	C	55	57	57
	AVG	54	57	56
JUN	W	55	56	56
	AN	55	56	55
	BN	54	56	56
	D	54	56	56
	C	56	58	58
	AVG	55	56	56
JUL	W	56	57	57
	AN	55	56	56
	BN	55	56	57
	D	55	57	58
	C	57	62	63
	AVG	55	57	58

Alternative 1A: Sacramento River at Jelly's Ferry				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
AUG	W	56	59	59
	AN	56	58	59
	BN	56	58	59
	D	56	59	60
	C	59	67	67
	AVG	57	60	60
SEP	W	56	57	59
	AN	57	59	60
	BN	57	60	60
	D	58	63	63
	C	61	67	67
	AVG	58	61	61
OCT	W	54	57	57
	AN	54	57	57
	BN	55	57	58
	D	55	58	58
	C	56	60	59
	AVG	55	58	58
NOV	W	51	53	53
	AN	51	53	53
	BN	51	54	53
	D	51	54	53
	C	52	55	54
	AVG	51	53	53
DEC	W	47	48	48
	AN	47	48	48
	BN	47	49	49
	D	47	49	49
	C	47	49	49
	AVG	47	48	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Jelly's Ferry, Year-Round

Alternative 1A: Sacramento River at Jelly's Ferry			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
JAN	W	1.4 (3.2%)	0 (0%)
	AN	1.6 (3.6%)	0.1 (0.2%)
	BN	1.9 (4.2%)	0.2 (0.4%)
	D	1.9 (4.2%)	0.1 (0.1%)
	C	1.9 (4.2%)	-0.3 (-0.6%)
	AVG	1.7 (3.8%)	0 (0%)
FEB	W	1.6 (3.4%)	0 (0%)
	AN	1.6 (3.5%)	0 (0.1%)
	BN	1.6 (3.6%)	0 (-0.1%)
	D	1.8 (4%)	0 (0%)
	C	1.9 (4%)	-0.1 (-0.2%)
	AVG	1.7 (3.7%)	0 (0%)
MAR	W	1.5 (3%)	0 (0%)
	AN	1.7 (3.4%)	0.1 (0.2%)
	BN	1.6 (3.2%)	-0.1 (-0.2%)
	D	1.6 (3.2%)	-0.1 (-0.1%)
	C	1.7 (3.3%)	-0.1 (-0.3%)
	AVG	1.6 (3.2%)	0 (-0.1%)
APR	W	1.7 (3.4%)	0 (-0.1%)
	AN	1.7 (3.2%)	-0.2 (-0.4%)
	BN	1.6 (3.1%)	-0.1 (-0.2%)
	D	1.3 (2.5%)	-0.5 (-1%)
	C	1.9 (3.6%)	-0.2 (-0.3%)
	AVG	1.6 (3.1%)	-0.2 (-0.4%)
MAY	W	2.5 (4.5%)	-0.5 (-0.8%)
	AN	1.2 (2.2%)	-0.5 (-0.8%)
	BN	1.8 (3.3%)	-0.3 (-0.6%)
	D	1.1 (2.1%)	-0.7 (-1.2%)
	C	1.9 (3.4%)	0 (-0.1%)
	AVG	1.8 (3.3%)	-0.4 (-0.8%)
JUN	W	0.7 (1.3%)	-0.7 (-1.2%)
	AN	0.7 (1.3%)	-0.7 (-1.2%)
	BN	1.6 (2.9%)	0 (0%)
	D	2 (3.8%)	0.1 (0.2%)
	C	2.2 (3.9%)	0.2 (0.3%)
	AVG	1.4 (2.5%)	-0.3 (-0.5%)
JUL	W	1.2 (2.2%)	0.3 (0.4%)
	AN	1.8 (3.2%)	0.3 (0.6%)
	BN	2.8 (5%)	1.1 (1.9%)
	D	3.2 (5.8%)	0.8 (1.4%)
	C	5.2 (9%)	0.1 (0.2%)
	AVG	2.6 (4.6%)	0.5 (0.9%)

Alternative 1A: Sacramento River at Jelly's Ferry			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
AUG	W	2.8 (5.1%)	0.3 (0.6%)
	AN	2.6 (4.7%)	0.7 (1.2%)
	BN	3.4 (6.1%)	0.7 (1.3%)
	D	4.1 (7.3%)	1.1 (1.8%)
	C	7.5 (12.6%)	0.3 (0.5%)
	AVG	3.9 (6.8%)	0.6 (1%)
SEP	W	3.4 (6%)	2.1 (3.7%)
	AN	2.9 (5%)	1.6 (2.7%)
	BN	3.5 (6.1%)	0.6 (1%)
	D	4.8 (8.2%)	-0.1 (-0.2%)
	C	5.3 (8.5%)	-0.1 (-0.1%)
	AVG	3.9 (6.8%)	1 (1.6%)
OCT	W	2.7 (5%)	-0.2 (-0.3%)
	AN	2.5 (4.6%)	-0.1 (-0.1%)
	BN	3.2 (5.9%)	0.3 (0.5%)
	D	3.2 (5.8%)	0 (0%)
	C	3.3 (5.8%)	-0.1 (-0.2%)
	AVG	2.9 (5.4%)	0 (-0.1%)
NOV	W	2 (4%)	-0.3 (-0.5%)
	AN	1.9 (3.8%)	-0.3 (-0.5%)
	BN	2.3 (4.4%)	-0.2 (-0.5%)
	D	2.1 (4.1%)	-0.1 (-0.2%)
	C	2.2 (4.2%)	-0.2 (-0.4%)
	AVG	2.1 (4.1%)	-0.2 (-0.4%)
DEC	W	1.3 (2.8%)	0.1 (0.3%)
	AN	1.8 (3.8%)	0 (-0.1%)
	BN	1.9 (4%)	0 (-0.1%)
	D	1.9 (4%)	-0.1 (-0.1%)
	C	1.9 (4.1%)	0 (-0.1%)
	AVG	1.7 (3.6%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.1.3 Sacramento River at Bend Bridge

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 1A Model Scenarios in the Sacramento River at Bend Bridge, Year-Round

Alternative 1A: Sacramento River at Bend Bridge				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
JAN	W	45	47	47
	AN	45	47	47
	BN	45	46	47
	D	45	47	47
	C	45	47	47
	AVG	45	47	47
FEB	W	46	47	47
	AN	46	48	48
	BN	46	48	47
	D	46	48	48
	C	47	49	49
	AVG	46	48	48
MAR	W	48	50	50
	AN	49	51	51
	BN	49	51	51
	D	50	52	52
	C	50	52	52
	AVG	49	51	51
APR	W	51	53	53
	AN	53	55	55
	BN	53	55	55
	D	53	55	54
	C	52	54	54
	AVG	52	54	54
MAY	W	54	57	57
	AN	55	57	57
	BN	55	57	57
	D	55	56	56
	C	55	57	57
	AVG	55	57	57
JUN	W	56	57	56
	AN	55	57	56
	BN	55	57	57
	D	55	57	57
	C	57	59	59
	AVG	55	57	57
JUL	W	56	57	58
	AN	55	57	57
	BN	55	57	58
	D	56	58	59
	C	58	63	63
	AVG	56	58	59

Alternative 1A: Sacramento River at Bend Bridge				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
AUG	W	57	59	60
	AN	57	59	60
	BN	56	59	60
	D	57	60	61
	C	60	67	67
	AVG	57	60	61
SEP	W	57	58	60
	AN	58	59	61
	BN	58	60	61
	D	58	63	63
	C	62	67	67
	AVG	58	61	62
OCT	W	54	57	57
	AN	55	57	57
	BN	55	58	58
	D	55	58	58
	C	56	60	60
	AVG	55	58	58
NOV	W	51	53	53
	AN	51	53	53
	BN	51	53	53
	D	51	54	53
	C	52	54	54
	AVG	51	53	53
DEC	W	47	48	48
	AN	46	48	48
	BN	47	49	49
	D	46	48	48
	C	47	49	49
	AVG	47	48	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Bend Bridge, Year-Round

Alternative 1A: Sacramento River at Bend Bridge			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
JAN	W	1.5 (3.2%)	0 (0%)
	AN	1.7 (3.7%)	0.1 (0.2%)
	BN	1.9 (4.3%)	0.2 (0.4%)
	D	2 (4.4%)	0.1 (0.1%)
	C	1.9 (4.4%)	-0.3 (-0.6%)
	AVG	1.7 (3.9%)	0 (0.1%)
FEB	W	1.6 (3.4%)	0 (0%)
	AN	1.7 (3.6%)	0 (0.1%)
	BN	1.7 (3.6%)	0 (-0.1%)
	D	1.9 (4.1%)	0 (0%)
	C	1.9 (4.1%)	-0.1 (-0.2%)
	AVG	1.7 (3.7%)	0 (0%)
MAR	W	1.5 (3%)	0 (0%)
	AN	1.7 (3.4%)	0.1 (0.2%)
	BN	1.6 (3.3%)	-0.1 (-0.2%)
	D	1.6 (3.3%)	-0.1 (-0.1%)
	C	1.7 (3.4%)	-0.1 (-0.3%)
	AVG	1.6 (3.2%)	0 (-0.1%)
APR	W	1.8 (3.4%)	0 (-0.1%)
	AN	1.7 (3.2%)	-0.2 (-0.4%)
	BN	1.7 (3.1%)	-0.1 (-0.3%)
	D	1.3 (2.5%)	-0.5 (-1%)
	C	1.9 (3.6%)	-0.2 (-0.3%)
	AVG	1.7 (3.2%)	-0.2 (-0.4%)
MAY	W	2.5 (4.6%)	-0.5 (-0.8%)
	AN	1.2 (2.2%)	-0.5 (-0.9%)
	BN	1.8 (3.3%)	-0.4 (-0.7%)
	D	1.1 (2.1%)	-0.7 (-1.2%)
	C	1.9 (3.4%)	0 (-0.1%)
	AVG	1.8 (3.3%)	-0.4 (-0.8%)
JUN	W	0.8 (1.4%)	-0.7 (-1.2%)
	AN	0.7 (1.2%)	-0.7 (-1.3%)
	BN	1.6 (2.9%)	0 (-0.1%)
	D	2 (3.7%)	0.1 (0.1%)
	C	2.2 (3.8%)	0.1 (0.2%)
	AVG	1.4 (2.5%)	-0.3 (-0.5%)
JUL	W	1.2 (2.2%)	0.2 (0.4%)
	AN	1.8 (3.2%)	0.3 (0.6%)
	BN	2.8 (5.1%)	1.1 (1.9%)
	D	3.2 (5.8%)	0.8 (1.4%)
	C	5.2 (8.9%)	0.2 (0.3%)
	AVG	2.6 (4.6%)	0.5 (0.9%)

Alternative 1A: Sacramento River at Bend Bridge			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
AUG	W	2.9 (5.2%)	0.3 (0.5%)
	AN	2.7 (4.7%)	0.7 (1.3%)
	BN	3.4 (6.1%)	0.8 (1.3%)
	D	4.2 (7.4%)	1.1 (1.9%)
	C	7.4 (12.4%)	0.4 (0.5%)
	AVG	3.9 (6.9%)	0.6 (1%)
SEP	W	3.5 (6.1%)	2.2 (3.9%)
	AN	2.9 (5%)	1.7 (2.8%)
	BN	3.5 (6.1%)	0.6 (0.9%)
	D	4.8 (8.2%)	-0.1 (-0.2%)
	C	5.2 (8.4%)	-0.1 (-0.1%)
	AVG	3.9 (6.8%)	1 (1.7%)
OCT	W	2.7 (4.9%)	-0.2 (-0.3%)
	AN	2.5 (4.6%)	-0.1 (-0.1%)
	BN	3.2 (5.8%)	0.3 (0.5%)
	D	3.1 (5.7%)	0 (0%)
	C	3.3 (5.8%)	-0.1 (-0.2%)
	AVG	2.9 (5.3%)	0 (-0.1%)
NOV	W	2 (4.1%)	-0.3 (-0.5%)
	AN	2 (3.9%)	-0.3 (-0.5%)
	BN	2.3 (4.5%)	-0.3 (-0.5%)
	D	2.1 (4.2%)	-0.1 (-0.3%)
	C	2.2 (4.2%)	-0.2 (-0.4%)
	AVG	2.1 (4.2%)	-0.2 (-0.4%)
DEC	W	1.3 (2.9%)	0.1 (0.3%)
	AN	1.8 (3.9%)	0 (-0.1%)
	BN	1.9 (4.1%)	0 (-0.1%)
	D	1.9 (4.1%)	0 (-0.1%)
	C	2 (4.2%)	0 (-0.1%)
	AVG	1.7 (3.7%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.1.4 Sacramento River at Red Bluff Diversion Dam

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 1A Model Scenarios in the Sacramento River at Red Bluff Diversion Dam, Year-Round

Alternative 1A: Sacramento River at Red Bluff Diversion Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
JAN	W	45	46	47
	AN	45	47	47
	BN	44	46	46
	D	44	46	46
	C	44	47	46
	AVG	45	46	46
FEB	W	46	47	47
	AN	46	48	48
	BN	46	48	48
	D	46	48	48
	C	47	49	49
	AVG	46	48	48
MAR	W	48	50	50
	AN	49	51	51
	BN	49	51	51
	D	50	52	52
	C	51	53	52
	AVG	49	51	51
APR	W	52	54	54
	AN	53	55	55
	BN	54	55	55
	D	54	55	55
	C	53	55	55
	AVG	53	55	55
MAY	W	55	58	58
	AN	56	58	58
	BN	56	58	58
	D	56	58	57
	C	57	59	58
	AVG	56	58	58
JUN	W	57	59	58
	AN	57	58	58
	BN	57	58	58
	D	57	59	59
	C	58	60	60
	AVG	57	59	58
JUL	W	58	59	59
	AN	57	59	59
	BN	57	59	60
	D	57	60	61
	C	60	64	65
	AVG	58	60	60

Alternative 1A: Sacramento River at Red Bluff Diversion Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
AUG	W	58	61	61
	AN	59	61	61
	BN	58	61	62
	D	59	62	63
	C	61	68	69
	AVG	59	62	63
SEP	W	58	59	61
	AN	59	60	62
	BN	59	62	63
	D	59	64	64
	C	63	68	68
	AVG	59	62	63
OCT	W	55	57	57
	AN	55	57	57
	BN	55	58	58
	D	55	59	59
	C	56	60	60
	AVG	55	58	58
NOV	W	50	53	52
	AN	50	53	53
	BN	51	53	53
	D	51	53	53
	C	52	54	54
	AVG	51	53	53
DEC	W	46	48	48
	AN	46	48	48
	BN	46	48	48
	D	46	48	48
	C	46	48	48
	AVG	46	48	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Red Bluff Diversion Dam, Year-Round

Alternative 1A: Sacramento River at Red Bluff Diversion Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
JAN	W	1.5 (3.3%)	0 (0%)
	AN	1.7 (3.8%)	0.1 (0.2%)
	BN	2 (4.5%)	0.2 (0.5%)
	D	2 (4.6%)	0.1 (0.2%)
	C	2 (4.6%)	-0.3 (-0.6%)
	AVG	1.8 (4.1%)	0 (0.1%)
FEB	W	1.6 (3.5%)	0 (0%)
	AN	1.7 (3.7%)	0 (0.1%)
	BN	1.7 (3.8%)	0 (-0.1%)
	D	1.9 (4.2%)	0 (0%)
	C	2 (4.3%)	-0.1 (-0.2%)
	AVG	1.8 (3.8%)	0 (0%)
MAR	W	1.5 (3.1%)	0 (0%)
	AN	1.7 (3.5%)	0.1 (0.2%)
	BN	1.7 (3.3%)	-0.1 (-0.2%)
	D	1.7 (3.3%)	-0.1 (-0.1%)
	C	1.7 (3.4%)	-0.1 (-0.3%)
	AVG	1.6 (3.3%)	0 (-0.1%)
APR	W	1.8 (3.5%)	0 (0%)
	AN	1.7 (3.3%)	-0.2 (-0.4%)
	BN	1.7 (3.2%)	-0.2 (-0.3%)
	D	1.4 (2.6%)	-0.5 (-1%)
	C	1.9 (3.6%)	-0.1 (-0.3%)
	AVG	1.7 (3.2%)	-0.2 (-0.4%)
MAY	W	2.6 (4.7%)	-0.5 (-0.8%)
	AN	1.3 (2.3%)	-0.5 (-0.9%)
	BN	1.9 (3.3%)	-0.4 (-0.7%)
	D	1.2 (2.1%)	-0.7 (-1.3%)
	C	1.9 (3.4%)	-0.1 (-0.1%)
	AVG	1.9 (3.3%)	-0.5 (-0.8%)
JUN	W	0.9 (1.5%)	-0.8 (-1.3%)
	AN	0.7 (1.3%)	-0.8 (-1.4%)
	BN	1.7 (3%)	-0.1 (-0.2%)
	D	2 (3.6%)	0 (0%)
	C	2.1 (3.7%)	0.1 (0.2%)
	AVG	1.4 (2.5%)	-0.4 (-0.6%)
JUL	W	1.3 (2.2%)	0.2 (0.3%)
	AN	1.8 (3.2%)	0.3 (0.6%)
	BN	2.9 (5.1%)	1.1 (1.9%)
	D	3.3 (5.8%)	0.9 (1.4%)
	C	5.1 (8.5%)	0.2 (0.3%)
	AVG	2.7 (4.6%)	0.5 (0.9%)

Alternative 1A: Sacramento River at Red Bluff Diversion Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
AUG	W	3.1 (5.3%)	0.3 (0.4%)
	AN	2.8 (4.7%)	0.8 (1.3%)
	BN	3.6 (6.2%)	0.8 (1.3%)
	D	4.4 (7.5%)	1.3 (2%)
	C	7.3 (11.9%)	0.4 (0.5%)
	AVG	4 (6.8%)	0.7 (1.1%)
SEP	W	3.7 (6.5%)	2.5 (4.3%)
	AN	3 (5%)	1.9 (3.1%)
	BN	3.6 (6.1%)	0.6 (0.9%)
	D	4.9 (8.2%)	-0.1 (-0.2%)
	C	5.2 (8.3%)	-0.1 (-0.1%)
	AVG	4.1 (6.9%)	1.1 (1.8%)
OCT	W	2.7 (4.9%)	-0.1 (-0.2%)
	AN	2.5 (4.6%)	-0.1 (-0.2%)
	BN	3.2 (5.7%)	0.2 (0.4%)
	D	3.1 (5.6%)	0 (0%)
	C	3.2 (5.7%)	-0.1 (-0.2%)
	AVG	2.9 (5.3%)	0 (-0.1%)
NOV	W	2.1 (4.2%)	-0.3 (-0.5%)
	AN	2 (4%)	-0.3 (-0.5%)
	BN	2.3 (4.6%)	-0.3 (-0.5%)
	D	2.2 (4.3%)	-0.2 (-0.3%)
	C	2.3 (4.4%)	-0.2 (-0.4%)
	AVG	2.2 (4.3%)	-0.2 (-0.4%)
DEC	W	1.4 (3%)	0.1 (0.3%)
	AN	1.9 (4.1%)	0 (0%)
	BN	2 (4.3%)	0 (0%)
	D	2 (4.3%)	0 (-0.1%)
	C	2 (4.4%)	0 (0%)
	AVG	1.8 (3.9%)	0 (0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.1.5 Sacramento River at Hamilton City

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 1A Model Scenarios in the Sacramento River at Hamilton City, Year-Round

Alternative 1A: Sacramento River at Hamilton City				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
JAN	W	45	47	47
	AN	45	47	47
	BN	44	46	46
	D	44	46	47
	C	44	47	47
	AVG	45	47	47
FEB	W	46	48	48
	AN	47	48	48
	BN	46	48	48
	D	47	49	49
	C	48	50	50
	AVG	47	49	49
MAR	W	49	51	51
	AN	51	52	52
	BN	51	53	53
	D	52	54	53
	C	52	54	54
	AVG	51	52	52
APR	W	54	55	55
	AN	55	57	57
	BN	56	58	57
	D	56	58	58
	C	56	58	58
	AVG	55	57	57
MAY	W	58	62	61
	AN	60	62	61
	BN	59	62	61
	D	59	61	60
	C	60	62	62
	AVG	59	62	61
JUN	W	61	63	62
	AN	61	62	61
	BN	60	62	62
	D	60	63	63
	C	61	63	63
	AVG	61	63	62
JUL	W	62	63	63
	AN	61	63	63
	BN	61	63	64
	D	61	64	65
	C	63	68	68
	AVG	62	64	64

Alternative 1A: Sacramento River at Hamilton City				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
AUG	W	62	65	65
	AN	62	64	65
	BN	62	65	66
	D	62	65	67
	C	65	71	72
	AVG	62	66	67
SEP	W	60	61	64
	AN	62	63	65
	BN	62	65	65
	D	62	67	67
	C	64	69	69
	AVG	62	65	66
OCT	W	55	58	58
	AN	56	58	58
	BN	56	59	59
	D	56	59	59
	C	57	60	60
	AVG	56	59	59
NOV	W	50	53	52
	AN	50	53	53
	BN	50	53	53
	D	51	53	53
	C	52	54	54
	AVG	51	53	53
DEC	W	46	47	47
	AN	46	48	48
	BN	45	48	48
	D	45	48	48
	C	45	48	48
	AVG	46	47	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Hamilton City, Year-Round

Alternative 1A: Sacramento River at Hamilton City			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
JAN	W	1.6 (3.6%)	0 (0%)
	AN	1.9 (4.2%)	0.1 (0.2%)
	BN	2.1 (4.8%)	0.2 (0.4%)
	D	2.2 (5%)	0.1 (0.2%)
	C	2.2 (5.1%)	-0.2 (-0.5%)
	AVG	2 (4.4%)	0 (0.1%)
FEB	W	1.7 (3.6%)	0 (0%)
	AN	1.8 (3.8%)	0 (0.1%)
	BN	1.8 (4%)	0 (-0.1%)
	D	2.1 (4.4%)	0 (0%)
	C	2.2 (4.5%)	-0.1 (-0.2%)
	AVG	1.9 (4%)	0 (0%)
MAR	W	1.5 (3.1%)	0 (0%)
	AN	1.8 (3.5%)	0.1 (0.2%)
	BN	1.7 (3.4%)	-0.1 (-0.3%)
	D	1.7 (3.4%)	-0.1 (-0.2%)
	C	1.8 (3.4%)	-0.1 (-0.3%)
	AVG	1.7 (3.3%)	-0.1 (-0.1%)
APR	W	1.9 (3.5%)	0 (0%)
	AN	1.8 (3.3%)	-0.2 (-0.4%)
	BN	1.8 (3.2%)	-0.2 (-0.4%)
	D	1.5 (2.8%)	-0.5 (-0.9%)
	C	1.9 (3.5%)	-0.1 (-0.3%)
	AVG	1.8 (3.2%)	-0.2 (-0.4%)
MAY	W	2.8 (4.7%)	-0.5 (-0.8%)
	AN	1.4 (2.3%)	-0.6 (-1%)
	BN	1.9 (3.3%)	-0.6 (-1%)
	D	1.2 (2%)	-0.8 (-1.4%)
	C	1.9 (3.2%)	-0.1 (-0.2%)
	AVG	1.9 (3.3%)	-0.6 (-0.9%)
JUN	W	1 (1.7%)	-0.9 (-1.5%)
	AN	0.7 (1.2%)	-1 (-1.6%)
	BN	1.8 (3%)	-0.2 (-0.4%)
	D	2 (3.4%)	-0.1 (-0.2%)
	C	2.1 (3.5%)	0 (0%)
	AVG	1.5 (2.5%)	-0.5 (-0.8%)
JUL	W	1.4 (2.3%)	0.1 (0.2%)
	AN	2 (3.3%)	0.4 (0.6%)
	BN	3.3 (5.3%)	1.2 (1.9%)
	D	3.5 (5.7%)	1 (1.5%)
	C	5 (8%)	0.2 (0.3%)
	AVG	2.8 (4.6%)	0.6 (0.9%)

Alternative 1A: Sacramento River at Hamilton City			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
AUG	W	3.5 (5.7%)	0.3 (0.4%)
	AN	3 (4.8%)	0.9 (1.4%)
	BN	3.9 (6.3%)	0.9 (1.4%)
	D	4.8 (7.7%)	1.6 (2.4%)
	C	7 (10.9%)	0.4 (0.6%)
	AVG	4.3 (6.9%)	0.8 (1.2%)
SEP	W	4.3 (7.2%)	3.2 (5.3%)
	AN	3.1 (5.1%)	2.3 (3.7%)
	BN	3.7 (6%)	0.5 (0.8%)
	D	5 (8%)	-0.1 (-0.2%)
	C	4.8 (7.5%)	-0.1 (-0.2%)
	AVG	4.3 (6.9%)	1.4 (2.2%)
OCT	W	2.6 (4.7%)	-0.1 (-0.2%)
	AN	2.5 (4.5%)	-0.2 (-0.3%)
	BN	3 (5.3%)	0.1 (0.2%)
	D	2.9 (5.1%)	-0.1 (-0.1%)
	C	3.1 (5.4%)	-0.1 (-0.2%)
	AVG	2.8 (5%)	-0.1 (-0.1%)
NOV	W	2.3 (4.5%)	-0.2 (-0.3%)
	AN	2.2 (4.5%)	-0.2 (-0.3%)
	BN	2.5 (4.9%)	-0.2 (-0.3%)
	D	2.3 (4.5%)	-0.1 (-0.3%)
	C	2.4 (4.7%)	-0.2 (-0.3%)
	AVG	2.3 (4.6%)	-0.2 (-0.3%)
DEC	W	1.6 (3.4%)	0.1 (0.3%)
	AN	2 (4.4%)	0 (0%)
	BN	2.1 (4.7%)	0 (0%)
	D	2.1 (4.7%)	0 (0%)
	C	2.2 (4.9%)	0 (0%)
	AVG	1.9 (4.3%)	0 (0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.1.6 Trinity River below Lewiston Reservoir

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 1A Model Scenarios in the Trinity River below Lewiston Reservoir, Year-Round

Alternative 1A: Trinity River below Lewiston Reservoir				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
JAN	W	41	43	43
	AN	38	41	41
	BN	39	41	41
	D	39	41	42
	C	39	42	42
	AVG	39	42	42
FEB	W	43	45	45
	AN	43	45	45
	BN	42	44	44
	D	42	45	45
	C	43	45	46
	AVG	43	45	45
MAR	W	46	48	48
	AN	47	49	49
	BN	47	48	49
	D	48	50	50
	C	48	50	50
	AVG	47	49	49
APR	W	49	51	51
	AN	50	52	52
	BN	51	53	53
	D	51	53	53
	C	50	52	52
	AVG	50	52	52
MAY	W	46	48	48
	AN	46	48	48
	BN	46	49	49
	D	47	49	49
	C	49	52	52
	AVG	47	49	49
JUN	W	48	51	50
	AN	51	52	52
	BN	52	53	53
	D	52	54	54
	C	56	59	59
	AVG	51	53	53
JUL	W	51	55	53
	AN	52	54	53
	BN	52	55	54
	D	51	54	53
	C	53	60	61
	AVG	51	55	54

Alternative 1A: Trinity River below Lewiston Reservoir				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
AUG	W	52	54	54
	AN	51	53	53
	BN	52	55	55
	D	50	54	55
	C	54	63	64
	AVG	52	56	56
SEP	W	49	51	51
	AN	50	51	52
	BN	51	55	55
	D	50	56	57
	C	57	62	63
	AVG	51	54	55
OCT	W	48	51	51
	AN	49	52	52
	BN	50	53	53
	D	50	52	52
	C	51	56	55
	AVG	49	52	52
NOV	W	44	47	47
	AN	45	47	47
	BN	45	47	48
	D	44	47	47
	C	46	48	48
	AVG	45	47	47
DEC	W	41	43	43
	AN	39	43	43
	BN	40	42	42
	D	40	42	42
	C	39	41	41
	AVG	40	42	42

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River below Lewiston Reservoir, Year-Round

Alternative 1A: Trinity River below Lewiston Reservoir			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
JAN	W	1.9 (4.7%)	-0.1 (-0.3%)
	AN	2.3 (6.1%)	-0.1 (-0.2%)
	BN	1.7 (4.5%)	-0.3 (-0.8%)
	D	2.9 (7.4%)	0.2 (0.4%)
	C	2.5 (6.2%)	0.1 (0.3%)
	AVG	2.2 (5.7%)	0 (-0.1%)
FEB	W	2.3 (5.5%)	0 (-0.1%)
	AN	2.2 (5.2%)	0 (-0.1%)
	BN	2.2 (5.1%)	0 (0%)
	D	2.3 (5.4%)	0 (0.1%)
	C	2.4 (5.5%)	0.2 (0.4%)
	AVG	2.3 (5.4%)	0 (0%)
MAR	W	2 (4.3%)	0 (0%)
	AN	1.7 (3.6%)	0 (0%)
	BN	2.1 (4.5%)	0.3 (0.6%)
	D	1.5 (3%)	0 (-0.1%)
	C	2.1 (4.4%)	0 (0%)
	AVG	1.9 (3.9%)	0 (0.1%)
APR	W	1.8 (3.7%)	0.3 (0.7%)
	AN	2.3 (4.7%)	0.4 (0.7%)
	BN	2.5 (4.9%)	0 (-0.1%)
	D	2.3 (4.6%)	0.1 (0.1%)
	C	2.2 (4.3%)	0 (0.1%)
	AVG	2.2 (4.3%)	0.2 (0.3%)
MAY	W	2.5 (5.4%)	0 (0.1%)
	AN	2.3 (5%)	0 (0%)
	BN	2.2 (4.8%)	0 (0%)
	D	2.5 (5.4%)	0 (-0.1%)
	C	3.2 (6.6%)	0.1 (0.1%)
	AVG	2.5 (5.4%)	0 (0%)
JUN	W	2.1 (4.3%)	-0.2 (-0.3%)
	AN	1.1 (2.2%)	0 (0%)
	BN	1.8 (3.4%)	-0.1 (-0.1%)
	D	2.3 (4.3%)	0 (0%)
	C	3 (5.4%)	-0.7 (-1.2%)
	AVG	2.1 (4%)	-0.2 (-0.3%)
JUL	W	2.4 (4.7%)	-1.4 (-2.6%)
	AN	1 (1.9%)	-1.1 (-2%)
	BN	2.4 (4.7%)	-0.8 (-1.4%)
	D	2.5 (5%)	-0.1 (-0.2%)
	C	8.1 (15.4%)	1.3 (2.1%)
	AVG	3.1 (6%)	-0.6 (-1%)

Alternative 1A: Trinity River below Lewiston Reservoir			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
AUG	W	1.6 (3%)	-0.5 (-0.9%)
	AN	2.2 (4.2%)	-0.1 (-0.1%)
	BN	3 (5.8%)	0.1 (0.1%)
	D	5.3 (10.6%)	1.3 (2.3%)
	C	10.1 (18.7%)	0.7 (1.1%)
	AVG	4 (7.7%)	0.2 (0.4%)
SEP	W	2.1 (4.2%)	0.1 (0.3%)
	AN	2.1 (4.2%)	0.3 (0.7%)
	BN	3.8 (7.5%)	0.3 (0.6%)
	D	6.4 (12.9%)	0.6 (1.1%)
	C	6 (10.6%)	0.3 (0.5%)
	AVG	3.9 (7.7%)	0.3 (0.6%)
OCT	W	2.9 (6.1%)	-0.3 (-0.6%)
	AN	2.5 (5.1%)	0.2 (0.3%)
	BN	3.1 (6.2%)	0.2 (0.4%)
	D	2.8 (5.6%)	0.6 (1.1%)
	C	4 (7.7%)	-0.5 (-0.8%)
	AVG	3 (6.1%)	0 (0%)
NOV	W	2.7 (6%)	0.1 (0.1%)
	AN	2.4 (5.3%)	0.1 (0.3%)
	BN	2.9 (6.6%)	0.4 (0.8%)
	D	2.8 (6.3%)	0.1 (0.1%)
	C	2 (4.4%)	0 (-0.1%)
	AVG	2.6 (5.8%)	0.1 (0.2%)
DEC	W	1.9 (4.6%)	-0.2 (-0.4%)
	AN	3.4 (8.7%)	-0.2 (-0.4%)
	BN	2.5 (6.4%)	0 (0.1%)
	D	1.9 (4.8%)	0.1 (0.2%)
	C	1.7 (4.4%)	0 (-0.1%)
	AVG	2.2 (5.4%)	-0.1 (-0.2%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.1.7 Trinity River at Douglas City

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 1A Model Scenarios in the Trinity River at Douglas City, Year-Round

Alternative 1A: Trinity River at Douglas City				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
JAN	W	40	42	42
	AN	39	40	40
	BN	38	40	40
	D	38	40	40
	C	39	41	41
	AVG	39	41	41
FEB	W	43	45	45
	AN	43	45	45
	BN	42	44	44
	D	43	44	44
	C	43	45	45
	AVG	43	45	45
MAR	W	46	47	47
	AN	47	48	48
	BN	47	48	48
	D	48	49	49
	C	48	49	49
	AVG	47	48	48
APR	W	51	52	52
	AN	52	53	53
	BN	52	54	54
	D	53	54	54
	C	52	54	54
	AVG	52	53	53
MAY	W	48	50	50
	AN	48	50	50
	BN	49	51	51
	D	49	51	51
	C	52	55	55
	AVG	49	51	51
JUN	W	51	54	53
	AN	54	55	55
	BN	55	57	57
	D	57	59	59
	C	60	63	63
	AVG	55	57	57
JUL	W	57	61	60
	AN	58	60	59
	BN	59	62	61
	D	59	62	62
	C	62	67	67
	AVG	59	62	62

Alternative 1A: Trinity River at Douglas City				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
AUG	W	60	62	62
	AN	59	61	61
	BN	60	63	63
	D	58	62	63
	C	61	67	68
	AVG	60	63	63
SEP	W	55	57	57
	AN	55	57	57
	BN	56	59	60
	D	55	60	60
	C	59	64	65
	AVG	56	59	59
OCT	W	50	53	53
	AN	51	53	53
	BN	52	54	54
	D	51	53	53
	C	53	56	55
	AVG	51	54	54
NOV	W	44	46	46
	AN	45	47	47
	BN	45	47	47
	D	44	46	46
	C	46	47	47
	AVG	44	47	47
DEC	W	41	43	43
	AN	40	42	42
	BN	39	42	42
	D	40	42	42
	C	39	41	41
	AVG	40	42	42

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River at Douglas City, Year-Round

Alternative 1A: Trinity River at Douglas City			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
JAN	W	1.5 (3.6%)	-0.1 (-0.3%)
	AN	1.6 (4.1%)	0 (-0.1%)
	BN	1.3 (3.5%)	-0.2 (-0.4%)
	D	2.2 (5.9%)	0.1 (0.2%)
	C	2.2 (5.6%)	0.1 (0.3%)
	AVG	1.7 (4.4%)	0 (-0.1%)
FEB	W	1.6 (3.6%)	0 (-0.1%)
	AN	1.5 (3.5%)	0 (0%)
	BN	1.6 (3.8%)	0 (0%)
	D	1.6 (3.7%)	0 (0%)
	C	1.8 (4.1%)	-0.1 (-0.1%)
	AVG	1.6 (3.7%)	0 (0%)
MAR	W	1.2 (2.6%)	0 (0%)
	AN	1 (2.1%)	0 (0%)
	BN	1.2 (2.6%)	0.1 (0.1%)
	D	1 (2.2%)	0 (0%)
	C	1.5 (3.2%)	0 (0%)
	AVG	1.2 (2.5%)	0 (0%)
APR	W	1.4 (2.7%)	0.1 (0.2%)
	AN	1.5 (3%)	0.2 (0.3%)
	BN	1.7 (3.2%)	0 (0%)
	D	1.7 (3.3%)	0 (0.1%)
	C	1.8 (3.5%)	0 (0%)
	AVG	1.6 (3.1%)	0.1 (0.1%)
MAY	W	2.4 (4.9%)	0 (0.1%)
	AN	2.2 (4.7%)	0 (0%)
	BN	2.1 (4.4%)	0 (0%)
	D	2.5 (5%)	0 (0%)
	C	3.1 (5.9%)	0.1 (0.1%)
	AVG	2.4 (5%)	0 (0%)
JUN	W	2 (3.9%)	-0.1 (-0.3%)
	AN	1 (1.8%)	0 (0%)
	BN	1.8 (3.2%)	0 (0%)
	D	2.4 (4.1%)	0 (0%)
	C	2.7 (4.6%)	-0.4 (-0.6%)
	AVG	2 (3.7%)	-0.1 (-0.2%)
JUL	W	2.8 (4.9%)	-0.9 (-1.5%)
	AN	1.5 (2.6%)	-0.7 (-1.2%)
	BN	2.2 (3.7%)	-0.5 (-0.8%)
	D	2.7 (4.5%)	0 (0%)
	C	5.5 (9%)	0.9 (1.4%)
	AVG	2.9 (5%)	-0.3 (-0.6%)

Alternative 1A: Trinity River at Douglas City			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
AUG	W	2.3 (3.8%)	-0.3 (-0.4%)
	AN	2.6 (4.4%)	0 (-0.1%)
	BN	3.1 (5.1%)	0 (0.1%)
	D	4.4 (7.5%)	0.7 (1.1%)
	C	7.3 (12%)	1.1 (1.6%)
	AVG	3.7 (6.2%)	0.2 (0.4%)
SEP	W	2.5 (4.6%)	0.1 (0.1%)
	AN	2.5 (4.6%)	0.2 (0.4%)
	BN	3.6 (6.3%)	0.2 (0.3%)
	D	5 (9.2%)	0.4 (0.6%)
	C	6 (10.3%)	0.8 (1.2%)
	AVG	3.8 (6.8%)	0.3 (0.5%)
OCT	W	2.4 (4.7%)	-0.2 (-0.3%)
	AN	2.1 (4%)	0.2 (0.3%)
	BN	2.5 (4.8%)	0.1 (0.2%)
	D	2.3 (4.4%)	0.3 (0.6%)
	C	2.8 (5.3%)	-0.3 (-0.5%)
	AVG	2.4 (4.7%)	0 (0%)
NOV	W	2.1 (4.8%)	0 (0%)
	AN	2 (4.6%)	0.1 (0.1%)
	BN	2.4 (5.4%)	0.2 (0.4%)
	D	2.2 (5.1%)	0 (0.1%)
	C	1.8 (4%)	0 (-0.1%)
	AVG	2.1 (4.8%)	0.1 (0.1%)
DEC	W	1.4 (3.4%)	0 (-0.1%)
	AN	2.3 (5.7%)	-0.1 (-0.3%)
	BN	2.1 (5.4%)	0 (0%)
	D	1.8 (4.5%)	0 (0.1%)
	C	2.1 (5.6%)	-0.1 (-0.2%)
	AVG	1.8 (4.6%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.1.8 Trinity River below North Fork

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 1A Model Scenarios in the Trinity River below North Fork, Year-Round

Alternative 1A: Trinity River below North Fork				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
JAN	W	40	41	41
	AN	38	39	39
	BN	38	39	39
	D	38	39	39
	C	38	40	40
	AVG	39	40	40
FEB	W	43	44	44
	AN	43	44	44
	BN	43	44	44
	D	43	44	44
	C	43	45	45
	AVG	43	44	44
MAR	W	46	47	47
	AN	46	47	47
	BN	46	47	47
	D	47	48	48
	C	48	49	49
	AVG	47	47	47
APR	W	53	53	53
	AN	54	54	55
	BN	54	55	55
	D	54	55	55
	C	54	55	55
	AVG	53	54	54
MAY	W	50	52	52
	AN	50	52	52
	BN	51	53	53
	D	51	54	54
	C	54	57	57
	AVG	51	53	53
JUN	W	55	57	57
	AN	58	58	58
	BN	60	61	61
	D	62	64	64
	C	63	66	66
	AVG	59	61	61
JUL	W	63	66	66
	AN	63	66	65
	BN	65	67	67
	D	65	68	68
	C	68	71	72
	AVG	65	67	67

Alternative 1A: Trinity River below North Fork				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
AUG	W	65	68	67
	AN	64	67	67
	BN	65	68	68
	D	64	67	67
	C	65	69	70
	AVG	65	68	68
SEP	W	59	62	62
	AN	59	61	61
	BN	59	62	63
	D	58	62	62
	C	61	64	64
	AVG	59	62	62
OCT	W	53	55	55
	AN	53	55	55
	BN	54	56	56
	D	53	54	55
	C	54	56	56
	AVG	53	55	55
NOV	W	44	45	45
	AN	44	46	46
	BN	44	46	46
	D	44	45	45
	C	45	47	47
	AVG	44	46	46
DEC	W	41	42	42
	AN	40	42	41
	BN	39	41	41
	D	40	41	41
	C	38	40	40
	AVG	40	41	41

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River below North Fork, Year-Round

Alternative 1A: Trinity River below North Fork			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
JAN	W	1 (2.6%)	-0.1 (-0.2%)
	AN	1 (2.7%)	0 (0%)
	BN	1 (2.6%)	-0.1 (-0.1%)
	D	1.6 (4.3%)	0 (0.1%)
	C	1.7 (4.5%)	0 (0.1%)
	AVG	1.3 (3.3%)	0 (-0.1%)
FEB	W	1 (2.4%)	0 (-0.1%)
	AN	1 (2.4%)	0 (0%)
	BN	1.1 (2.7%)	0 (0%)
	D	1.1 (2.5%)	0 (0%)
	C	1.4 (3.2%)	-0.1 (-0.1%)
	AVG	1.1 (2.6%)	0 (0%)
MAR	W	0.7 (1.6%)	0 (0%)
	AN	0.6 (1.4%)	0 (0%)
	BN	0.7 (1.6%)	0 (0%)
	D	0.7 (1.5%)	0 (0%)
	C	1.1 (2.2%)	0 (0%)
	AVG	0.8 (1.6%)	0 (0%)
APR	W	0.9 (1.6%)	0 (0.1%)
	AN	1 (1.8%)	0 (0.1%)
	BN	1.1 (2%)	0 (0%)
	D	1.2 (2.2%)	0 (0%)
	C	1.4 (2.6%)	0 (0%)
	AVG	1.1 (2%)	0 (0%)
MAY	W	2.1 (4.2%)	0 (0%)
	AN	2.1 (4.1%)	0 (0%)
	BN	1.9 (3.8%)	0 (0%)
	D	2.2 (4.3%)	0 (0%)
	C	2.7 (5%)	0 (0.1%)
	AVG	2.2 (4.3%)	0 (0%)
JUN	W	1.8 (3.2%)	-0.1 (-0.2%)
	AN	0.8 (1.3%)	0 (0%)
	BN	1.7 (2.9%)	0 (0%)
	D	2.2 (3.6%)	0 (0%)
	C	2.3 (3.6%)	-0.2 (-0.4%)
	AVG	1.8 (3.1%)	-0.1 (-0.1%)
JUL	W	2.9 (4.6%)	-0.5 (-0.8%)
	AN	1.8 (2.8%)	-0.4 (-0.7%)
	BN	1.9 (3%)	-0.3 (-0.5%)
	D	2.5 (3.9%)	0 (0%)
	C	3.7 (5.5%)	0.4 (0.5%)
	AVG	2.6 (4%)	-0.2 (-0.3%)

Alternative 1A: Trinity River below North Fork			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
AUG	W	2.4 (3.7%)	-0.1 (-0.2%)
	AN	2.6 (4.1%)	0 (0%)
	BN	2.8 (4.4%)	0 (0%)
	D	3.6 (5.6%)	0.3 (0.5%)
	C	4.6 (7%)	0.7 (1%)
	AVG	3.1 (4.8%)	0.1 (0.2%)
SEP	W	2.6 (4.4%)	0 (0.1%)
	AN	2.6 (4.4%)	0.1 (0.2%)
	BN	3.1 (5.3%)	0.1 (0.2%)
	D	3.9 (6.7%)	0.2 (0.3%)
	C	3.4 (5.6%)	0.4 (0.7%)
	AVG	3.1 (5.2%)	0.1 (0.2%)
OCT	W	1.9 (3.5%)	-0.1 (-0.2%)
	AN	1.8 (3.4%)	-0.1 (-0.1%)
	BN	2 (3.8%)	0.1 (0.1%)
	D	1.9 (3.7%)	0.1 (0.2%)
	C	2.6 (4.8%)	0 (0%)
	AVG	2 (3.8%)	0 (0%)
NOV	W	1.6 (3.7%)	0 (0%)
	AN	1.6 (3.5%)	0 (0%)
	BN	1.9 (4.3%)	0.1 (0.2%)
	D	1.7 (3.9%)	0 (0%)
	C	1.7 (3.7%)	0 (0%)
	AVG	1.7 (3.8%)	0 (0%)
DEC	W	1 (2.4%)	0.1 (0.1%)
	AN	1.5 (3.7%)	-0.1 (-0.2%)
	BN	1.7 (4.3%)	0 (0%)
	D	1.5 (3.7%)	0 (0.1%)
	C	1.9 (4.9%)	0 (0%)
	AVG	1.4 (3.6%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.1.9 Feather River at Fish Barrier Dam

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 1A Model Scenarios in the Feather River at Fish Barrier Dam, Year-Round

Alternative 1A: Feather River at Fish Barrier Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
JAN	W	48	51	51
	AN	47	50	51
	BN	48	51	51
	D	47	51	51
	C	48	51	51
	AVG	48	51	51
FEB	W	48	51	51
	AN	48	51	51
	BN	48	51	52
	D	49	52	52
	C	49	53	53
	AVG	48	51	51
MAR	W	49	51	51
	AN	49	51	51
	BN	50	53	53
	D	51	53	53
	C	51	54	54
	AVG	50	52	53
APR	W	51	52	52
	AN	51	53	53
	BN	52	54	54
	D	52	54	54
	C	52	54	54
	AVG	51	53	53
MAY	W	55	56	55
	AN	56	56	56
	BN	56	56	56
	D	56	56	56
	C	56	57	57
	AVG	55	56	56
JUN	W	57	58	57
	AN	58	58	57
	BN	58	58	58
	D	58	58	58
	C	58	59	59
	AVG	58	58	58
JUL	W	61	61	62
	AN	61	61	61
	BN	61	61	61
	D	61	61	62
	C	61	62	63
	AVG	61	61	62

Alternative 1A: Feather River at Fish Barrier Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
AUG	W	61	61	61
	AN	60	60	61
	BN	60	60	61
	D	60	62	61
	C	62	64	63
	AVG	61	61	61
SEP	W	56	55	56
	AN	56	55	56
	BN	56	57	58
	D	56	61	59
	C	58	63	62
	AVG	56	58	58
OCT	W	54	58	58
	AN	55	58	58
	BN	54	58	58
	D	54	59	60
	C	54	58	57
	AVG	54	58	58
NOV	W	52	58	58
	AN	53	58	58
	BN	53	58	58
	D	52	59	59
	C	53	58	58
	AVG	53	58	58
DEC	W	49	53	53
	AN	49	55	54
	BN	49	54	55
	D	49	54	54
	C	49	54	54
	AVG	49	54	54

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Fish Barrier Dam, Year-Round

Alternative 1A: Feather River at Fish Barrier Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
JAN	W	2.8 (5.9%)	0 (0.1%)
	AN	3.1 (6.6%)	0.1 (0.1%)
	BN	3.2 (6.6%)	0.1 (0.3%)
	D	3.6 (7.6%)	0.2 (0.4%)
	C	4 (8.4%)	0.2 (0.3%)
	AVG	3.3 (6.9%)	0.1 (0.2%)
FEB	W	2.6 (5.4%)	0 (-0.1%)
	AN	2.7 (5.5%)	0.1 (0.2%)
	BN	3.2 (6.6%)	0.2 (0.4%)
	D	3 (6.2%)	0.1 (0.2%)
	C	3.5 (7.2%)	0 (0.1%)
	AVG	2.9 (6.1%)	0.1 (0.1%)
MAR	W	2.6 (5.3%)	0.1 (0.2%)
	AN	2.3 (4.7%)	0.1 (0.2%)
	BN	3.4 (6.8%)	0.2 (0.3%)
	D	2.5 (5%)	0.2 (0.4%)
	C	3.2 (6.2%)	0 (0.1%)
	AVG	2.8 (5.5%)	0.1 (0.2%)
APR	W	1.9 (3.7%)	0 (0.1%)
	AN	1.8 (3.5%)	0.1 (0.1%)
	BN	1.8 (3.5%)	0.1 (0.2%)
	D	1.6 (3.1%)	-0.3 (-0.6%)
	C	2.5 (4.9%)	0 (0%)
	AVG	1.9 (3.7%)	0 (-0.1%)
MAY	W	0.6 (1%)	-0.1 (-0.3%)
	AN	0.1 (0.3%)	-0.4 (-0.7%)
	BN	-0.1 (-0.1%)	-0.4 (-0.7%)
	D	0.2 (0.4%)	0 (-0.1%)
	C	0.7 (1.3%)	-0.1 (-0.2%)
	AVG	0.3 (0.6%)	-0.2 (-0.3%)
JUN	W	0.1 (0.2%)	-0.3 (-0.6%)
	AN	-0.3 (-0.6%)	-0.7 (-1.2%)
	BN	-0.3 (-0.5%)	-0.5 (-0.9%)
	D	0.4 (0.8%)	-0.1 (-0.1%)
	C	0.7 (1.3%)	-0.5 (-0.8%)
	AVG	0.1 (0.2%)	-0.4 (-0.7%)
JUL	W	0.3 (0.6%)	0.2 (0.4%)
	AN	0.4 (0.6%)	0.1 (0.1%)
	BN	0.6 (1%)	0.2 (0.3%)
	D	1.2 (2%)	0.7 (1.1%)
	C	2.3 (3.8%)	0.9 (1.4%)
	AVG	0.9 (1.4%)	0.4 (0.6%)

Alternative 1A: Feather River at Fish Barrier Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
AUG	W	0.2 (0.3%)	0.5 (0.8%)
	AN	0.6 (1.1%)	0.5 (0.8%)
	BN	0.8 (1.4%)	0.3 (0.5%)
	D	1.5 (2.6%)	-0.3 (-0.5%)
	C	1.6 (2.5%)	-0.9 (-1.4%)
	AVG	0.9 (1.4%)	0.1 (0.1%)
SEP	W	-0.2 (-0.4%)	0.4 (0.7%)
	AN	0.1 (0.2%)	0.6 (1%)
	BN	2.3 (4.1%)	0.8 (1.4%)
	D	3.6 (6.5%)	-1.3 (-2.1%)
	C	4.3 (7.4%)	-1.1 (-1.8%)
	AVG	1.8 (3.2%)	-0.1 (-0.2%)
OCT	W	4.1 (7.7%)	-0.4 (-0.7%)
	AN	3.1 (5.6%)	-0.3 (-0.6%)
	BN	4.1 (7.6%)	-0.2 (-0.4%)
	D	5.9 (10.9%)	0.2 (0.3%)
	C	3 (5.6%)	-0.7 (-1.3%)
	AVG	4.2 (7.8%)	-0.3 (-0.5%)
NOV	W	5.7 (10.9%)	-0.1 (-0.2%)
	AN	4.4 (8.2%)	-0.6 (-1%)
	BN	5 (9.4%)	-0.5 (-0.8%)
	D	6.4 (12.2%)	0.1 (0.2%)
	C	5.3 (10%)	0.1 (0.1%)
	AVG	5.5 (10.4%)	-0.2 (-0.3%)
DEC	W	4.4 (9.1%)	0 (0%)
	AN	5.1 (10.4%)	-0.5 (-1%)
	BN	5.9 (12.2%)	0.4 (0.7%)
	D	5.1 (10.4%)	0 (0%)
	C	4.8 (9.7%)	0 (0%)
	AVG	5 (10.2%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.1.10 Feather River Low-Flow Channel (above Thermalito Afterbay)

Table1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 1A Model Scenarios in the Feather River Low-Flow Channel (above Thermalito Afterbay), Year-Round

Alternative 1A: Feather River Low-Flow Channel (above Thermalito Afterbay)				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
JAN	W	47	50	50
	AN	47	50	50
	BN	47	50	50
	D	47	50	50
	C	47	51	51
	AVG	47	50	50
FEB	W	49	51	51
	AN	49	51	52
	BN	49	52	52
	D	49	52	52
	C	50	53	53
	AVG	49	52	52
MAR	W	50	53	53
	AN	51	53	53
	BN	51	54	54
	D	52	55	55
	C	53	56	56
	AVG	51	54	54
APR	W	53	55	55
	AN	55	57	57
	BN	55	57	57
	D	55	57	57
	C	55	57	57
	AVG	55	57	57
MAY	W	59	61	61
	AN	60	62	61
	BN	60	61	61
	D	60	61	61
	C	60	62	62
	AVG	60	61	61
JUN	W	63	65	64
	AN	64	66	65
	BN	64	65	65
	D	64	66	66
	C	63	65	65
	AVG	64	65	65

Alternative 1A: Feather River Low-Flow Channel (above Thermalito Afterbay)				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
JUL	W	68	69	69
	AN	67	69	69
	BN	67	69	69
	D	67	69	69
	C	67	70	71
	AVG	67	69	69
AUG	W	66	68	68
	AN	65	67	67
	BN	66	68	68
	D	65	68	68
	C	67	70	69
	AVG	66	68	68
SEP	W	60	61	61
	AN	60	61	61
	BN	60	62	63
	D	60	65	64
	C	61	66	66
	AVG	60	63	63
OCT	W	55	60	59
	AN	57	60	60
	BN	56	60	60
	D	56	61	61
	C	56	60	59
	AVG	56	60	60
NOV	W	52	58	58
	AN	53	58	57
	BN	53	58	58
	D	53	58	58
	C	53	58	58
	AVG	53	58	58
DEC	W	48	53	53
	AN	49	54	53
	BN	48	53	53
	D	48	53	53
	C	48	53	53
	AVG	48	53	53

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather Low-Flow Channel (above Thermalito Afterbay), Year-Round

Alternative 1A: Feather River Low-Flow Channel (above Thermalito Afterbay)			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
JAN	W	2.8 (6%)	0 (0.1%)
	AN	3.2 (6.7%)	0.1 (0.1%)
	BN	3.1 (6.5%)	0.1 (0.2%)
	D	3.4 (7.3%)	0.2 (0.3%)
	C	3.8 (8%)	0.1 (0.3%)
	AVG	3.2 (6.8%)	0.1 (0.2%)
FEB	W	2.6 (5.4%)	0 (-0.1%)
	AN	2.7 (5.5%)	0.1 (0.2%)
	BN	3.1 (6.3%)	0.2 (0.3%)
	D	2.9 (6%)	0.1 (0.1%)
	C	3.4 (6.8%)	0 (0.1%)
	AVG	2.9 (5.9%)	0.1 (0.1%)
MAR	W	2.6 (5.1%)	0.1 (0.1%)
	AN	2.3 (4.6%)	0.1 (0.1%)
	BN	3.1 (6.1%)	0.1 (0.2%)
	D	2.5 (4.8%)	0.1 (0.3%)
	C	3 (5.7%)	0 (0.1%)
	AVG	2.7 (5.2%)	0.1 (0.2%)
APR	W	1.9 (3.5%)	0 (0%)
	AN	2 (3.6%)	0.1 (0.1%)
	BN	1.9 (3.5%)	0.1 (0.1%)
	D	1.9 (3.4%)	-0.2 (-0.4%)
	C	2.5 (4.6%)	0 (0%)
	AVG	2 (3.7%)	0 (-0.1%)
MAY	W	1.3 (2.2%)	-0.1 (-0.2%)
	AN	1.1 (1.8%)	-0.3 (-0.4%)
	BN	0.9 (1.5%)	-0.3 (-0.4%)
	D	1.1 (1.9%)	0 (0%)
	C	1.5 (2.4%)	-0.1 (-0.2%)
	AVG	1.2 (2%)	-0.1 (-0.2%)
JUN	W	1.4 (2.2%)	-0.2 (-0.3%)
	AN	1.3 (2.1%)	-0.4 (-0.6%)
	BN	1.3 (2%)	-0.3 (-0.5%)
	D	1.8 (2.9%)	0 (0%)
	C	1.9 (2.9%)	-0.3 (-0.4%)
	AVG	1.5 (2.4%)	-0.2 (-0.4%)
JUL	W	1.7 (2.6%)	0.1 (0.2%)
	AN	1.8 (2.7%)	0.1 (0.1%)
	BN	1.9 (2.9%)	0.1 (0.2%)
	D	2.3 (3.5%)	0.4 (0.6%)
	C	3.2 (4.8%)	0.6 (0.8%)
	AVG	2.1 (3.2%)	0.2 (0.4%)

Alternative 1A: Feather River Low-Flow Channel (above Thermalito Afterbay)			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
AUG	W	1.8 (2.7%)	0.3 (0.4%)
	AN	2 (3.1%)	0.3 (0.4%)
	BN	2.2 (3.4%)	0.2 (0.3%)
	D	2.6 (4%)	-0.2 (-0.3%)
	C	2.6 (3.9%)	-0.6 (-0.8%)
	AVG	2.2 (3.3%)	0 (0.1%)
SEP	W	1.1 (1.8%)	0.3 (0.4%)
	AN	1.2 (2.1%)	0.4 (0.7%)
	BN	2.9 (4.7%)	0.6 (0.9%)
	D	3.9 (6.5%)	-0.9 (-1.5%)
	C	4.2 (6.9%)	-0.8 (-1.3%)
	AVG	2.5 (4.1%)	-0.1 (-0.2%)
OCT	W	4 (7.2%)	-0.3 (-0.6%)
	AN	3.1 (5.5%)	-0.2 (-0.4%)
	BN	4 (7.2%)	-0.1 (-0.2%)
	D	5.4 (9.7%)	0.2 (0.3%)
	C	3.2 (5.7%)	-0.6 (-0.9%)
	AVG	4.1 (7.3%)	-0.2 (-0.4%)
NOV	W	5.3 (10.1%)	-0.1 (-0.2%)
	AN	4.1 (7.8%)	-0.5 (-0.9%)
	BN	4.6 (8.8%)	-0.4 (-0.7%)
	D	5.8 (11.1%)	0.1 (0.1%)
	C	5 (9.4%)	0.1 (0.2%)
	AVG	5.1 (9.6%)	-0.1 (-0.2%)
DEC	W	4.2 (8.8%)	0 (0%)
	AN	4.7 (9.7%)	-0.4 (-0.8%)
	BN	5.4 (11.2%)	0.3 (0.6%)
	D	4.7 (9.8%)	0 (0%)
	C	4.5 (9.3%)	0 (0%)
	AVG	4.6 (9.6%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.1.11 Feather River High-Flow Channel (below Thermalito Afterbay)

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 1A Model Scenarios in the Feather River High-Flow Channel (below Thermalito Afterbay), Year-Round

Alternative 1A: Feather River High-Flow Channel (below Thermalito Afterbay)				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
JAN	W	47	50	50
	AN	47	50	50
	BN	46	49	49
	D	46	49	49
	C	46	50	50
	AVG	47	49	49
FEB	W	49	52	51
	AN	49	52	52
	BN	49	52	53
	D	50	53	53
	C	51	54	54
	AVG	50	52	52
MAR	W	51	54	54
	AN	52	54	54
	BN	53	56	56
	D	54	57	57
	C	54	57	57
	AVG	53	55	55
APR	W	55	57	57
	AN	57	59	59
	BN	58	59	59
	D	57	60	60
	C	57	60	60
	AVG	57	59	59
MAY	W	61	63	63
	AN	63	64	64
	BN	63	65	64
	D	63	65	65
	C	63	66	65
	AVG	62	64	64
JUN	W	66	68	67
	AN	67	70	67
	BN	67	70	68
	D	68	71	70
	C	68	71	71
	AVG	67	70	68

Alternative 1A: Feather River High-Flow Channel (below Thermalito Afterbay)				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
JUL	W	70	70	71
	AN	68	69	70
	BN	68	70	71
	D	68	70	73
	C	70	74	76
	AVG	69	71	72
AUG	W	70	70	72
	AN	67	69	71
	BN	68	70	72
	D	67	71	72
	C	70	74	74
	AVG	69	71	72
SEP	W	64	63	64
	AN	64	64	65
	BN	65	68	67
	D	64	67	67
	C	64	69	69
	AVG	64	66	66
OCT	W	58	62	62
	AN	60	63	63
	BN	59	63	63
	D	58	63	63
	C	59	63	62
	AVG	59	63	63
NOV	W	53	57	57
	AN	54	58	58
	BN	53	57	57
	D	53	57	57
	C	53	57	58
	AVG	53	57	57
DEC	W	48	51	51
	AN	48	52	52
	BN	47	51	51
	D	47	51	51
	C	47	50	50
	AVG	47	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather High-Flow Channel (below Thermalito Afterbay), Year-Round

Alternative 1A: 11D.1.11 Feather River High-Flow Channel (below Thermalito Afterbay)			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
JAN	W	2.7 (5.8%)	0.1 (0.1%)
	AN	2.9 (6.2%)	0 (0%)
	BN	2.8 (6.1%)	0.1 (0.2%)
	D	3 (6.5%)	0.1 (0.3%)
	C	3.3 (7.1%)	0 (0%)
	AVG	2.9 (6.3%)	0.1 (0.1%)
FEB	W	2.5 (5.2%)	-0.1 (-0.3%)
	AN	2.9 (5.9%)	-0.2 (-0.4%)
	BN	3.1 (6.2%)	0.1 (0.2%)
	D	2.8 (5.7%)	0.1 (0.1%)
	C	3.1 (6.1%)	0 (0%)
	AVG	2.8 (5.7%)	0 (-0.1%)
MAR	W	2.4 (4.8%)	0.1 (0.3%)
	AN	1.5 (2.9%)	-0.2 (-0.3%)
	BN	3 (5.7%)	0 (0%)
	D	2.6 (4.8%)	0.1 (0.2%)
	C	3.2 (5.9%)	0.1 (0.3%)
	AVG	2.6 (4.9%)	0.1 (0.1%)
APR	W	2 (3.7%)	0 (0%)
	AN	2.4 (4.2%)	0.1 (0.2%)
	BN	1.6 (2.8%)	-0.1 (-0.2%)
	D	2.5 (4.4%)	0.1 (0.2%)
	C	2.8 (5%)	0.4 (0.6%)
	AVG	2.2 (3.9%)	0.1 (0.1%)
MAY	W	2.4 (4%)	-0.3 (-0.5%)
	AN	1.3 (2.1%)	-0.3 (-0.5%)
	BN	1.7 (2.6%)	-0.5 (-0.7%)
	D	2.1 (3.4%)	-0.2 (-0.3%)
	C	2.2 (3.5%)	-0.1 (-0.1%)
	AVG	2 (3.3%)	-0.3 (-0.4%)
JUN	W	1.1 (1.7%)	-1.5 (-2.3%)
	AN	-0.6 (-0.9%)	-3.1 (-4.5%)
	BN	0.1 (0.2%)	-2.2 (-3.2%)
	D	2.3 (3.4%)	-0.6 (-0.8%)
	C	2.9 (4.3%)	-0.1 (-0.2%)
	AVG	1.2 (1.9%)	-1.5 (-2.1%)
JUL	W	1.6 (2.3%)	1.1 (1.6%)
	AN	1.8 (2.7%)	0.5 (0.7%)
	BN	3 (4.4%)	1 (1.4%)
	D	4.8 (7.1%)	2.6 (3.6%)
	C	6.1 (8.8%)	1.9 (2.5%)
	AVG	3.3 (4.7%)	1.4 (2%)

Alternative 1A: 11D.1.11 Feather River High-Flow Channel (below Thermalito Afterbay)			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
AUG	W	2 (2.9%)	1.4 (1.9%)
	AN	3.4 (5%)	1.6 (2.3%)
	BN	3.5 (5.2%)	1.4 (2%)
	D	5.2 (7.7%)	1.3 (1.8%)
	C	4.1 (5.9%)	0 (0.1%)
	AVG	3.5 (5.1%)	1.2 (1.7%)
SEP	W	0.2 (0.3%)	0.9 (1.4%)
	AN	1.2 (1.9%)	1.7 (2.6%)
	BN	1.9 (3%)	-1 (-1.4%)
	D	2.6 (4%)	0.1 (0.1%)
	C	4.7 (7.4%)	-0.2 (-0.2%)
	AVG	1.8 (2.9%)	0.3 (0.5%)
OCT	W	3.8 (6.6%)	-0.1 (-0.2%)
	AN	3.1 (5.3%)	-0.3 (-0.4%)
	BN	3.7 (6.2%)	0.1 (0.1%)
	D	4.4 (7.5%)	0.1 (0.2%)
	C	3.6 (6.1%)	-0.2 (-0.4%)
	AVG	3.8 (6.5%)	-0.1 (-0.1%)
NOV	W	4.3 (8.1%)	0 (0%)
	AN	3.8 (7%)	-0.2 (-0.4%)
	BN	4 (7.5%)	-0.1 (-0.3%)
	D	4.7 (8.9%)	0 (0%)
	C	4.2 (7.8%)	0.1 (0.2%)
	AVG	4.2 (8%)	0 (-0.1%)
DEC	W	3.5 (7.4%)	0 (0.1%)
	AN	4.2 (8.8%)	-0.3 (-0.6%)
	BN	4.5 (9.6%)	0.3 (0.5%)
	D	3.9 (8.4%)	-0.2 (-0.3%)
	C	3.8 (8.1%)	-0.1 (-0.1%)
	AVG	3.9 (8.3%)	0 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.1.12 Feather River at Gridley Dam

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 1A Model Scenarios in the Feather River at Gridley Dam, Year-Round

Alternative 1A: Feather River at Gridley Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
JAN	W	47	50	50
	AN	47	49	49
	BN	46	49	49
	D	46	48	48
	C	46	49	49
	AVG	46	49	49
FEB	W	49	52	52
	AN	49	52	52
	BN	50	53	53
	D	50	53	53
	C	51	54	54
	AVG	50	53	53
MAR	W	51	54	54
	AN	53	54	54
	BN	54	57	57
	D	55	57	57
	C	54	57	57
	AVG	53	56	56
APR	W	56	58	58
	AN	58	60	60
	BN	59	61	60
	D	59	61	61
	C	58	61	61
	AVG	58	60	60
MAY	W	61	64	64
	AN	64	66	65
	BN	64	66	65
	D	64	66	66
	C	64	67	67
	AVG	63	66	65
JUN	W	67	69	68
	AN	69	71	68
	BN	69	71	69
	D	69	72	72
	C	69	72	72
	AVG	68	71	69
JUL	W	70	71	72
	AN	69	70	71
	BN	69	71	72
	D	69	71	74
	C	71	75	77
	AVG	70	72	73

Alternative 1A: Feather River at Gridley Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
AUG	W	71	71	73
	AN	68	70	72
	BN	69	71	73
	D	68	72	73
	C	71	75	75
	AVG	69	72	73
SEP	W	65	64	65
	AN	65	64	66
	BN	66	69	69
	D	65	68	68
	C	66	70	70
	AVG	65	67	67
OCT	W	59	63	63
	AN	60	63	63
	BN	60	63	63
	D	59	63	63
	C	59	63	63
	AVG	59	63	63
NOV	W	53	57	57
	AN	54	58	57
	BN	53	57	57
	D	53	57	57
	C	54	57	58
	AVG	53	57	57
DEC	W	48	51	51
	AN	47	52	52
	BN	47	51	51
	D	47	51	50
	C	46	50	50
	AVG	47	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Gridley Dam, Year-Round

Alternative 1A: Feather River at Gridley Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
JAN	W	2.7 (5.8%)	0.1 (0.1%)
	AN	2.9 (6.2%)	-0.1 (-0.1%)
	BN	2.8 (6.1%)	0.1 (0.2%)
	D	3 (6.5%)	0.1 (0.3%)
	C	3.3 (7%)	0 (0%)
	AVG	2.9 (6.2%)	0.1 (0.1%)
FEB	W	2.5 (5.1%)	-0.1 (-0.3%)
	AN	2.9 (5.9%)	-0.2 (-0.4%)
	BN	3.1 (6.2%)	0.1 (0.1%)
	D	2.8 (5.6%)	0 (0.1%)
	C	3.1 (6%)	0 (0%)
	AVG	2.8 (5.7%)	-0.1 (-0.1%)
MAR	W	2.4 (4.7%)	0.1 (0.2%)
	AN	1.6 (2.9%)	-0.2 (-0.3%)
	BN	3 (5.7%)	0 (0.1%)
	D	2.6 (4.7%)	0.1 (0.1%)
	C	3 (5.5%)	0.1 (0.2%)
	AVG	2.5 (4.7%)	0.1 (0.1%)
APR	W	2 (3.6%)	0 (0%)
	AN	2.4 (4.1%)	0.1 (0.2%)
	BN	1.7 (2.8%)	-0.2 (-0.3%)
	D	2.2 (3.8%)	-0.1 (-0.2%)
	C	2.6 (4.5%)	0.2 (0.3%)
	AVG	2.1 (3.7%)	0 (0%)
MAY	W	2.6 (4.3%)	-0.4 (-0.6%)
	AN	1.3 (2.1%)	-0.5 (-0.8%)
	BN	1.4 (2.2%)	-0.7 (-1%)
	D	2 (3.1%)	-0.2 (-0.3%)
	C	2.2 (3.5%)	-0.1 (-0.1%)
	AVG	2 (3.2%)	-0.4 (-0.5%)
JUN	W	1.2 (1.7%)	-1.6 (-2.3%)
	AN	-0.8 (-1.1%)	-3.3 (-4.6%)
	BN	0 (0%)	-2.3 (-3.3%)
	D	2.3 (3.4%)	-0.6 (-0.8%)
	C	2.9 (4.3%)	-0.1 (-0.2%)
	AVG	1.2 (1.8%)	-1.5 (-2.1%)
JUL	W	1.8 (2.5%)	1.1 (1.6%)
	AN	2 (2.9%)	0.4 (0.6%)
	BN	3.2 (4.6%)	1 (1.4%)
	D	5.1 (7.5%)	2.7 (3.8%)
	C	6.3 (8.9%)	1.9 (2.5%)
	AVG	3.5 (5%)	1.5 (2.1%)

Alternative 1A: Feather River at Gridley Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
AUG	W	2 (2.9%)	1.4 (2%)
	AN	3.5 (5.1%)	1.6 (2.4%)
	BN	3.7 (5.4%)	1.4 (2%)
	D	5.5 (8.1%)	1.2 (1.7%)
	C	4.1 (5.8%)	0 (-0.1%)
	AVG	3.6 (5.2%)	1.2 (1.7%)
SEP	W	-0.3 (-0.5%)	0.9 (1.5%)
	AN	0.9 (1.5%)	1.7 (2.7%)
	BN	2.6 (3.9%)	-0.3 (-0.4%)
	D	3.2 (4.9%)	-0.1 (-0.1%)
	C	4.5 (6.9%)	-0.2 (-0.2%)
	AVG	1.9 (2.8%)	0.4 (0.7%)
OCT	W	3.8 (6.5%)	-0.1 (-0.2%)
	AN	3 (5%)	-0.3 (-0.5%)
	BN	3.7 (6.2%)	0.1 (0.1%)
	D	4.2 (7.2%)	0.1 (0.1%)
	C	3.4 (5.8%)	-0.3 (-0.5%)
	AVG	3.7 (6.3%)	-0.1 (-0.2%)
NOV	W	4.1 (7.8%)	0 (0%)
	AN	3.7 (6.8%)	-0.2 (-0.4%)
	BN	3.9 (7.3%)	-0.1 (-0.2%)
	D	4.5 (8.5%)	0 (0%)
	C	4.1 (7.6%)	0.1 (0.2%)
	AVG	4.1 (7.7%)	0 (-0.1%)
DEC	W	3.4 (7.2%)	0 (0.1%)
	AN	4.1 (8.6%)	-0.3 (-0.5%)
	BN	4.3 (9.3%)	0.2 (0.5%)
	D	3.8 (8.2%)	-0.1 (-0.3%)
	C	3.7 (7.9%)	-0.1 (-0.1%)
	AVG	3.8 (8.1%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.1.13 Feather River at Honcut Creek

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 1A Model Scenarios in the Feather River at Honcut Creek, Year-Round

Alternative 1A: Feather River at Honcut Creek				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
JAN	W	47	50	50
	AN	46	49	49
	BN	46	49	49
	D	45	48	48
	C	46	49	49
	AVG	46	49	49
FEB	W	49	52	52
	AN	49	53	52
	BN	50	53	53
	D	50	53	53
	C	51	54	54
	AVG	50	53	53
MAR	W	52	54	54
	AN	53	55	54
	BN	54	57	57
	D	55	58	58
	C	55	58	58
	AVG	53	56	56
APR	W	56	58	58
	AN	59	61	61
	BN	60	62	61
	D	60	62	62
	C	59	62	62
	AVG	58	61	60
MAY	W	62	65	65
	AN	65	67	66
	BN	65	67	66
	D	65	67	67
	C	65	68	68
	AVG	64	67	66
JUN	W	67	70	68
	AN	69	72	69
	BN	69	72	69
	D	70	73	72
	C	69	73	72
	AVG	69	72	70
JUL	W	71	72	73
	AN	69	71	71
	BN	69	72	73
	D	69	72	75
	C	71	76	78
	AVG	70	72	74

Alternative 1A: Feather River at Honcut Creek				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
AUG	W	72	72	74
	AN	69	71	72
	BN	69	72	73
	D	68	73	74
	C	72	76	76
	AVG	70	73	74
SEP	W	66	64	65
	AN	66	65	67
	BN	67	69	70
	D	66	70	70
	C	66	71	71
	AVG	66	68	68
OCT	W	59	63	63
	AN	60	64	63
	BN	60	64	64
	D	59	63	63
	C	60	64	63
	AVG	60	63	63
NOV	W	53	57	57
	AN	54	58	57
	BN	53	57	57
	D	53	57	57
	C	54	57	58
	AVG	53	57	57
DEC	W	47	51	51
	AN	47	52	51
	BN	46	51	51
	D	46	50	50
	C	46	50	50
	AVG	47	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Honcut Creek, Year-Round

Alternative 1A: Feather River at Honcut Creek			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
JAN	W	2.7 (5.8%)	0 (0.1%)
	AN	2.9 (6.2%)	0 (-0.1%)
	BN	2.8 (6.1%)	0.1 (0.2%)
	D	2.9 (6.4%)	0.1 (0.2%)
	C	3.2 (7%)	0 (-0.1%)
	AVG	2.9 (6.2%)	0 (0.1%)
FEB	W	2.5 (5.2%)	-0.1 (-0.3%)
	AN	2.9 (5.9%)	-0.2 (-0.3%)
	BN	3 (6.1%)	0.1 (0.1%)
	D	2.8 (5.6%)	0 (0.1%)
	C	3 (5.9%)	0 (0%)
	AVG	2.8 (5.6%)	0 (-0.1%)
MAR	W	2.4 (4.7%)	0.1 (0.2%)
	AN	1.5 (2.9%)	-0.2 (-0.4%)
	BN	3.1 (5.7%)	0 (0.1%)
	D	2.5 (4.6%)	0 (0.1%)
	C	2.9 (5.3%)	0.1 (0.2%)
	AVG	2.5 (4.7%)	0 (0.1%)
APR	W	2 (3.6%)	0 (0%)
	AN	2.4 (4%)	0.1 (0.1%)
	BN	1.7 (2.9%)	-0.2 (-0.4%)
	D	2 (3.4%)	-0.3 (-0.4%)
	C	2.5 (4.2%)	0 (0%)
	AVG	2.1 (3.6%)	-0.1 (-0.1%)
MAY	W	2.8 (4.5%)	-0.4 (-0.6%)
	AN	1.4 (2.1%)	-0.7 (-1.1%)
	BN	1.2 (1.8%)	-0.8 (-1.2%)
	D	1.8 (2.8%)	-0.2 (-0.3%)
	C	2.3 (3.5%)	-0.1 (-0.1%)
	AVG	2 (3.2%)	-0.4 (-0.6%)
JUN	W	1.2 (1.8%)	-1.6 (-2.4%)
	AN	-0.8 (-1.2%)	-3.3 (-4.6%)
	BN	-0.1 (-0.1%)	-2.4 (-3.3%)
	D	2.4 (3.4%)	-0.6 (-0.8%)
	C	3 (4.4%)	-0.1 (-0.1%)
	AVG	1.2 (1.8%)	-1.5 (-2.1%)
JUL	W	1.9 (2.7%)	1.2 (1.6%)
	AN	2.1 (3.1%)	0.5 (0.7%)
	BN	3.3 (4.8%)	1 (1.4%)
	D	5.3 (7.7%)	2.7 (3.8%)
	C	6.4 (9%)	1.9 (2.5%)
	AVG	3.6 (5.2%)	1.5 (2.1%)

Alternative 1A: Feather River at Honcut Creek			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
AUG	W	2.1 (3%)	1.5 (2%)
	AN	3.5 (5.1%)	1.6 (2.3%)
	BN	3.9 (5.6%)	1.5 (2%)
	D	5.7 (8.4%)	1.2 (1.6%)
	C	4.1 (5.7%)	-0.2 (-0.2%)
	AVG	3.7 (5.3%)	1.2 (1.6%)
SEP	W	-0.6 (-1%)	0.9 (1.5%)
	AN	0.8 (1.2%)	1.7 (2.7%)
	BN	3.1 (4.6%)	0.2 (0.3%)
	D	3.7 (5.6%)	-0.2 (-0.3%)
	C	4.3 (6.5%)	-0.2 (-0.3%)
	AVG	1.9 (2.9%)	0.5 (0.7%)
OCT	W	3.7 (6.3%)	-0.1 (-0.2%)
	AN	2.9 (4.8%)	-0.3 (-0.5%)
	BN	3.7 (6.1%)	0 (0.1%)
	D	4.1 (6.9%)	0 (0.1%)
	C	3.5 (5.8%)	-0.3 (-0.5%)
	AVG	3.6 (6.1%)	-0.1 (-0.2%)
NOV	W	4.1 (7.7%)	0 (0%)
	AN	3.6 (6.8%)	-0.2 (-0.4%)
	BN	3.8 (7.2%)	-0.1 (-0.2%)
	D	4.4 (8.3%)	0 (0%)
	C	4 (7.4%)	0.1 (0.2%)
	AVG	4 (7.6%)	0 (-0.1%)
DEC	W	3.4 (7.1%)	0 (0.1%)
	AN	4 (8.5%)	-0.3 (-0.5%)
	BN	4.3 (9.2%)	0.2 (0.5%)
	D	3.8 (8.1%)	-0.1 (-0.2%)
	C	3.5 (7.7%)	0 (-0.1%)
	AVG	3.7 (8%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.1.14 Feather River at the Confluence with the Sacramento River

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 1A Model Scenarios in the Feather River at Confluence with the Sacramento River, Year-Round

Alternative 1A: Feather River at the Confluence with the Sacramento River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
JAN	W	47	48	48
	AN	46	48	48
	BN	46	47	47
	D	45	47	47
	C	45	48	48
	AVG	46	48	48
FEB	W	50	52	52
	AN	50	52	52
	BN	50	51	51
	D	50	52	52
	C	51	53	53
	AVG	50	52	52
MAR	W	53	55	55
	AN	54	56	56
	BN	55	57	57
	D	55	57	57
	C	56	58	58
	AVG	55	56	56
APR	W	59	60	60
	AN	60	62	62
	BN	61	62	62
	D	62	64	64
	C	63	65	65
	AVG	61	63	62
MAY	W	65	68	67
	AN	66	69	69
	BN	67	69	69
	D	68	70	70
	C	68	71	71
	AVG	66	69	69
JUN	W	70	73	72
	AN	71	75	73
	BN	72	75	73
	D	73	77	76
	C	72	76	76
	AVG	71	75	74

Alternative 1A: Feather River at the Confluence with the Sacramento River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
JUL	W	74	76	77
	AN	72	75	75
	BN	73	76	77
	D	73	76	78
	C	75	79	80
	AVG	73	76	78
AUG	W	73	76	77
	AN	71	74	75
	BN	72	75	76
	D	72	76	77
	C	75	79	79
	AVG	73	76	77
SEP	W	71	70	71
	AN	70	70	71
	BN	70	73	74
	D	70	74	74
	C	70	74	74
	AVG	70	72	73
OCT	W	61	64	64
	AN	62	64	64
	BN	61	64	64
	D	61	64	64
	C	62	65	65
	AVG	61	64	64
NOV	W	52	55	55
	AN	53	56	56
	BN	53	55	55
	D	52	55	55
	C	53	56	56
	AVG	53	55	55
DEC	W	47	49	49
	AN	47	50	50
	BN	46	49	49
	D	46	49	48
	C	45	47	48
	AVG	46	49	49

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at the Confluence with the Sacramento River, Year-Round

Alternative 1A: Feather River at the Confluence with the Sacramento River			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
JAN	W	1.9 (4%)	0 (0%)
	AN	1.8 (4%)	0 (0%)
	BN	1.9 (4.1%)	0 (0.1%)
	D	2.2 (4.8%)	0.1 (0.2%)
	C	2.2 (4.8%)	-0.1 (-0.2%)
	AVG	2 (4.3%)	0 (0%)
FEB	W	1.9 (3.9%)	0 (0%)
	AN	1.9 (3.8%)	0 (-0.1%)
	BN	1.7 (3.4%)	0 (0%)
	D	1.9 (3.8%)	0 (0%)
	C	2.2 (4.3%)	0 (0%)
	AVG	1.9 (3.8%)	0 (0%)
MAR	W	1.8 (3.3%)	0 (0.1%)
	AN	1.2 (2.3%)	-0.1 (-0.2%)
	BN	1.9 (3.4%)	0 (0%)
	D	1.7 (3.1%)	0 (0%)
	C	2.1 (3.8%)	0.1 (0.1%)
	AVG	1.7 (3.2%)	0 (0%)
APR	W	1.6 (2.7%)	0 (0%)
	AN	1.9 (3.2%)	0 (0%)
	BN	1.4 (2.4%)	-0.2 (-0.4%)
	D	1.9 (3.1%)	-0.2 (-0.2%)
	C	2.1 (3.3%)	-0.1 (-0.2%)
	AVG	1.8 (2.9%)	-0.1 (-0.1%)
MAY	W	2.9 (4.5%)	-0.1 (-0.2%)
	AN	2.5 (3.7%)	-0.5 (-0.7%)
	BN	2.1 (3.1%)	-0.5 (-0.7%)
	D	2.4 (3.5%)	-0.2 (-0.3%)
	C	2.7 (4%)	0 (0%)
	AVG	2.6 (3.8%)	-0.2 (-0.4%)
JUN	W	2.4 (3.5%)	-1.1 (-1.4%)
	AN	1.1 (1.6%)	-2.2 (-3%)
	BN	1.7 (2.3%)	-1.7 (-2.3%)
	D	3.3 (4.5%)	-0.5 (-0.6%)
	C	3.5 (4.8%)	0 (0%)
	AVG	2.5 (3.5%)	-1 (-1.4%)
JUL	W	3.6 (4.9%)	1 (1.3%)
	AN	3.1 (4.3%)	0.4 (0.6%)
	BN	3.9 (5.3%)	0.8 (1%)
	D	5.4 (7.5%)	2.1 (2.8%)
	C	5.8 (7.8%)	1.3 (1.7%)
	AVG	4.3 (5.9%)	1.2 (1.5%)

Alternative 1A: Feather River at the Confluence with the Sacramento River			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
AUG	W	3.7 (5%)	1.1 (1.5%)
	AN	3.8 (5.3%)	1.1 (1.5%)
	BN	4 (5.5%)	0.9 (1.2%)
	D	5.6 (7.9%)	0.9 (1.2%)
	C	4.2 (5.6%)	-0.1 (-0.2%)
	AVG	4.2 (5.9%)	0.9 (1.1%)
SEP	W	0.1 (0.1%)	0.8 (1.1%)
	AN	1.3 (1.8%)	1.4 (2%)
	BN	3.9 (5.6%)	1 (1.3%)
	D	4.3 (6.2%)	-0.1 (-0.1%)
	C	3.5 (5%)	-0.1 (-0.2%)
	AVG	2.4 (3.4%)	0.6 (0.8%)
OCT	W	3.1 (5.1%)	-0.1 (-0.1%)
	AN	2.4 (3.8%)	-0.2 (-0.3%)
	BN	3 (4.9%)	0.1 (0.1%)
	D	3.1 (5%)	0 (0%)
	C	3.1 (5%)	-0.2 (-0.3%)
	AVG	3 (4.9%)	-0.1 (-0.1%)
NOV	W	2.8 (5.3%)	0 (0%)
	AN	2.7 (5.1%)	-0.2 (-0.3%)
	BN	2.8 (5.2%)	-0.1 (-0.2%)
	D	2.8 (5.4%)	0 (0.1%)
	C	2.9 (5.5%)	0.1 (0.2%)
	AVG	2.8 (5.3%)	0 (0%)
DEC	W	1.9 (4.2%)	0 (0.1%)
	AN	2.7 (5.7%)	-0.2 (-0.5%)
	BN	2.9 (6.2%)	0.1 (0.2%)
	D	2.3 (5%)	-0.3 (-0.6%)
	C	2.5 (5.5%)	0.1 (0.3%)
	AVG	2.4 (5.1%)	0 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.1.15 American River below Nimbus Dam

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 1A Model Scenarios in the American River below Nimbus Dam, Year-Round

Alternative 1A: American River below Nimbus Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
JAN	W	47	50	50
	AN	47	49	50
	BN	46	49	49
	D	47	49	49
	C	47	50	50
	AVG	47	50	50
FEB	W	48	51	51
	AN	48	52	52
	BN	47	51	51
	D	49	52	52
	C	51	54	54
	AVG	48	52	52
MAR	W	52	55	55
	AN	53	56	56
	BN	53	56	56
	D	53	57	57
	C	55	58	58
	AVG	53	56	56
APR	W	56	59	59
	AN	57	60	60
	BN	57	61	61
	D	59	62	61
	C	59	63	63
	AVG	58	60	60
MAY	W	60	64	64
	AN	61	66	65
	BN	61	65	65
	D	64	67	66
	C	64	68	68
	AVG	62	66	65
JUN	W	64	67	66
	AN	65	68	67
	BN	65	68	67
	D	67	69	69
	C	68	72	72
	AVG	66	68	68
JUL	W	66	68	68
	AN	66	66	67
	BN	66	67	67
	D	67	69	70
	C	70	74	75
	AVG	67	69	69

Alternative 1A: American River below Nimbus Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
AUG	W	67	70	70
	AN	67	69	70
	BN	67	69	70
	D	67	71	72
	C	70	76	77
	AVG	67	71	71
SEP	W	65	68	68
	AN	66	69	69
	BN	66	69	69
	D	66	71	71
	C	68	73	73
	AVG	66	70	70
OCT	W	58	68	67
	AN	59	68	68
	BN	58	68	68
	D	59	67	67
	C	61	68	68
	AVG	59	68	68
NOV	W	57	61	61
	AN	57	61	61
	BN	56	61	61
	D	57	61	60
	C	58	61	61
	AVG	57	61	61
DEC	W	50	53	53
	AN	51	53	53
	BN	50	52	52
	D	50	53	53
	C	50	52	53
	AVG	50	53	53

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River below Nimbus Dam, Year-Round

Alternative 1A: American River below Nimbus Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
JAN	W	3.1 (6.7%)	0 (0.1%)
	AN	2.7 (5.8%)	0 (0.1%)
	BN	3 (6.5%)	0 (0.1%)
	D	2.8 (6%)	-0.1 (-0.2%)
	C	2.8 (6.1%)	-0.1 (-0.3%)
	AVG	2.9 (6.3%)	0 (0%)
FEB	W	3.4 (7.2%)	0 (0%)
	AN	3.8 (7.9%)	0 (0%)
	BN	3.3 (7.1%)	0.1 (0.1%)
	D	3.4 (7%)	0 (0%)
	C	3.5 (6.8%)	0.2 (0.3%)
	AVG	3.5 (7.2%)	0 (0.1%)
MAR	W	3.1 (6%)	0 (0%)
	AN	3 (5.6%)	0 (0.1%)
	BN	2.6 (5%)	0 (0.1%)
	D	3.4 (6.3%)	-0.1 (-0.1%)
	C	2.9 (5.3%)	-0.1 (-0.1%)
	AVG	3 (5.7%)	0 (0%)
APR	W	3 (5.3%)	0 (0%)
	AN	3.2 (5.5%)	0 (0%)
	BN	3.1 (5.4%)	0 (0%)
	D	2.3 (4%)	-0.2 (-0.3%)
	C	3.4 (5.7%)	0.2 (0.3%)
	AVG	2.9 (5.1%)	0 (0%)
MAY	W	4.1 (6.9%)	-0.1 (-0.1%)
	AN	4.4 (7.2%)	-0.4 (-0.6%)
	BN	3.9 (6.4%)	-0.2 (-0.3%)
	D	2.3 (3.6%)	-0.8 (-1.1%)
	C	3.8 (5.9%)	0.1 (0.2%)
	AVG	3.7 (5.9%)	-0.3 (-0.4%)
JUN	W	2.3 (3.6%)	-0.7 (-1%)
	AN	1.9 (2.9%)	-0.9 (-1.3%)
	BN	2.1 (3.3%)	-0.9 (-1.3%)
	D	1.5 (2.3%)	-0.3 (-0.5%)
	C	3.9 (5.7%)	-0.4 (-0.5%)
	AVG	2.3 (3.5%)	-0.6 (-0.9%)
JUL	W	1.6 (2.4%)	0.1 (0.1%)
	AN	0.9 (1.4%)	0.5 (0.7%)
	BN	1.6 (2.4%)	0.4 (0.6%)
	D	3 (4.5%)	0.8 (1.1%)
	C	4.8 (6.8%)	0.4 (0.5%)
	AVG	2.3 (3.4%)	0.4 (0.6%)

Alternative 1A: American River below Nimbus Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
AUG	W	3.1 (4.7%)	0 (-0.1%)
	AN	2.7 (4%)	0.6 (0.9%)
	BN	3 (4.4%)	1.1 (1.6%)
	D	4.8 (7.2%)	0.6 (0.9%)
	C	7.1 (10.1%)	0.8 (1.1%)
	AVG	4 (5.9%)	0.5 (0.7%)
SEP	W	2.8 (4.3%)	0.1 (0.2%)
	AN	3.6 (5.5%)	0.5 (0.8%)
	BN	2.9 (4.4%)	0.2 (0.3%)
	D	4.6 (7%)	-0.4 (-0.5%)
	C	5 (7.3%)	0.1 (0.2%)
	AVG	3.7 (5.5%)	0.1 (0.1%)
OCT	W	9.1 (15.6%)	-0.2 (-0.3%)
	AN	8.7 (14.7%)	0 (0%)
	BN	9.8 (16.7%)	0 (0%)
	D	8.4 (14.2%)	0.1 (0.1%)
	C	7.5 (12.3%)	0.1 (0.1%)
	AVG	8.8 (14.8%)	0 (0%)
NOV	W	3.7 (6.4%)	-0.2 (-0.3%)
	AN	3.8 (6.6%)	-0.1 (-0.1%)
	BN	4.4 (7.9%)	0.1 (0.1%)
	D	3.7 (6.6%)	-0.1 (-0.2%)
	C	3.5 (6.1%)	-0.1 (-0.1%)
	AVG	3.8 (6.7%)	-0.1 (-0.2%)
DEC	W	2.5 (5.1%)	-0.1 (-0.1%)
	AN	2.7 (5.4%)	0 (0.1%)
	BN	2.8 (5.5%)	0 (0.1%)
	D	2.6 (5.1%)	-0.1 (-0.2%)
	C	2.6 (5.2%)	0.1 (0.1%)
	AVG	2.6 (5.2%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.1.16 American River at Watt Avenue

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 1A Model Scenarios in the American River at Watt Avenue, Year-Round

Alternative 1A: American River at Watt Avenue				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
JAN	W	47	50	50
	AN	47	49	49
	BN	46	49	49
	D	46	49	49
	C	46	49	49
	AVG	46	49	49
FEB	W	48	52	52
	AN	48	52	52
	BN	48	51	51
	D	49	52	52
	C	51	54	54
	AVG	49	52	52
MAR	W	53	56	56
	AN	53	56	56
	BN	54	56	56
	D	54	57	57
	C	56	58	58
	AVG	54	56	56
APR	W	56	59	59
	AN	58	61	61
	BN	58	61	61
	D	60	63	63
	C	61	64	64
	AVG	58	61	61
MAY	W	61	65	65
	AN	62	67	67
	BN	62	67	66
	D	65	68	67
	C	66	69	69
	AVG	63	67	67
JUN	W	65	68	67
	AN	67	70	69
	BN	67	70	69
	D	69	71	71
	C	69	73	73
	AVG	67	70	69
JUL	W	68	70	70
	AN	67	68	69
	BN	67	69	69
	D	68	71	72
	C	72	76	76
	AVG	68	71	71

Alternative 1A: American River at Watt Avenue				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
AUG	W	68	72	72
	AN	69	72	72
	BN	69	72	73
	D	69	73	74
	C	71	77	77
	AVG	69	73	73
SEP	W	66	69	69
	AN	66	70	70
	BN	67	70	71
	D	67	72	72
	C	69	73	74
	AVG	67	71	71
OCT	W	59	67	67
	AN	60	67	67
	BN	59	68	68
	D	60	67	67
	C	61	68	68
	AVG	60	67	67
NOV	W	56	60	60
	AN	56	60	60
	BN	56	60	60
	D	56	59	59
	C	57	60	60
	AVG	56	60	60
DEC	W	50	52	52
	AN	50	52	52
	BN	49	51	52
	D	49	52	51
	C	49	51	51
	AVG	49	52	52

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River at Watt Avenue, Year-Round

Alternative 1A: American River at Watt Avenue			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
JAN	W	3.1 (6.7%)	0 (0.1%)
	AN	2.7 (5.8%)	0 (0.1%)
	BN	2.9 (6.4%)	0 (0%)
	D	2.7 (5.8%)	-0.1 (-0.2%)
	C	2.8 (6.1%)	-0.1 (-0.2%)
	AVG	2.9 (6.2%)	0 (0%)
FEB	W	3.4 (7.1%)	0 (0%)
	AN	3.7 (7.7%)	0 (0%)
	BN	3.2 (6.7%)	0 (0.1%)
	D	3.2 (6.5%)	0 (0%)
	C	3.4 (6.6%)	0.1 (0.2%)
	AVG	3.4 (6.9%)	0 (0%)
MAR	W	3 (5.7%)	0 (0%)
	AN	2.9 (5.4%)	0 (0.1%)
	BN	2.5 (4.7%)	0 (0%)
	D	3.2 (5.8%)	0 (-0.1%)
	C	2.7 (4.8%)	0 (-0.1%)
	AVG	2.9 (5.4%)	0 (0%)
APR	W	2.9 (5.1%)	0 (0%)
	AN	3.1 (5.4%)	0 (0%)
	BN	3 (5.1%)	0 (0%)
	D	2.4 (4%)	-0.2 (-0.2%)
	C	3 (5%)	0.2 (0.3%)
	AVG	2.8 (4.9%)	0 (0%)
MAY	W	4.2 (6.9%)	-0.1 (-0.1%)
	AN	4.4 (7%)	-0.5 (-0.7%)
	BN	3.8 (6.1%)	-0.3 (-0.5%)
	D	2.3 (3.5%)	-0.7 (-1%)
	C	3.4 (5.2%)	0.1 (0.1%)
	AVG	3.6 (5.7%)	-0.3 (-0.4%)
JUN	W	2.6 (4%)	-0.9 (-1.3%)
	AN	1.9 (2.9%)	-1 (-1.5%)
	BN	2.1 (3.2%)	-0.9 (-1.4%)
	D	1.9 (2.8%)	-0.3 (-0.5%)
	C	3.7 (5.3%)	-0.3 (-0.4%)
	AVG	2.4 (3.6%)	-0.7 (-1%)
JUL	W	2.3 (3.4%)	0.2 (0.3%)
	AN	1.4 (2%)	0.5 (0.8%)
	BN	2.2 (3.3%)	0.5 (0.7%)
	D	3.7 (5.4%)	0.8 (1.1%)
	C	3.9 (5.5%)	0 (0%)
	AVG	2.7 (3.9%)	0.4 (0.6%)

Alternative 1A: American River at Watt Avenue			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
AUG	W	4 (6%)	-0.1 (-0.1%)
	AN	3.4 (5%)	0.5 (0.7%)
	BN	3.7 (5.4%)	1.2 (1.6%)
	D	5.3 (7.8%)	0.7 (1%)
	C	5.9 (8.3%)	0.5 (0.6%)
	AVG	4.5 (6.5%)	0.5 (0.7%)
SEP	W	3.2 (4.9%)	0.3 (0.4%)
	AN	3.9 (5.8%)	0.4 (0.6%)
	BN	3.6 (5.4%)	0.3 (0.4%)
	D	4.6 (6.8%)	-0.2 (-0.3%)
	C	4.4 (6.4%)	0.1 (0.1%)
	AVG	3.8 (5.8%)	0.2 (0.2%)
OCT	W	7.6 (12.8%)	-0.2 (-0.3%)
	AN	7.4 (12.4%)	0 (-0.1%)
	BN	8.2 (13.9%)	0 (0%)
	D	6.9 (11.5%)	0.1 (0.1%)
	C	6.4 (10.3%)	0.2 (0.2%)
	AVG	7.3 (12.3%)	0 (0%)
NOV	W	3.4 (6%)	-0.2 (-0.3%)
	AN	3.5 (6.2%)	-0.1 (-0.1%)
	BN	4 (7.3%)	0 (0.1%)
	D	3.3 (6%)	-0.1 (-0.1%)
	C	3.3 (5.8%)	-0.1 (-0.1%)
	AVG	3.5 (6.2%)	-0.1 (-0.2%)
DEC	W	2.4 (4.8%)	-0.1 (-0.2%)
	AN	2.6 (5.1%)	0 (0%)
	BN	2.7 (5.5%)	0.1 (0.1%)
	D	2.4 (4.8%)	-0.1 (-0.2%)
	C	2.5 (5.1%)	0.2 (0.4%)
	AVG	2.5 (5%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.1.17 American River at the Confluence with the Sacramento River

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 1A Model Scenarios in the American River at the Confluence with the Sacramento River, Year-Round

Alternative 1A: American River at the Confluence with the Sacramento River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
JAN	W	47	50	50
	AN	46	49	49
	BN	46	48	48
	D	46	48	48
	C	46	49	49
	AVG	46	49	49
FEB	W	48	52	52
	AN	48	52	52
	BN	48	51	51
	D	49	52	52
	C	51	55	55
	AVG	49	52	52
MAR	W	53	56	56
	AN	53	56	56
	BN	54	56	56
	D	55	58	58
	C	56	59	59
	AVG	54	57	57
APR	W	57	60	60
	AN	58	61	61
	BN	59	62	62
	D	61	63	63
	C	62	64	64
	AVG	59	62	62
MAY	W	61	66	65
	AN	63	68	67
	BN	63	67	67
	D	66	69	68
	C	67	70	70
	AVG	64	67	67
JUN	W	65	69	68
	AN	68	71	70
	BN	68	71	70
	D	70	72	72
	C	70	74	74
	AVG	68	71	70

Alternative 1A: American River at the Confluence with the Sacramento River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
JUL	W	69	71	71
	AN	68	69	70
	BN	68	70	71
	D	69	72	73
	C	73	76	76
	AVG	69	72	72
AUG	W	69	73	73
	AN	69	73	73
	BN	70	73	74
	D	69	74	75
	C	72	77	78
	AVG	70	74	74
SEP	W	66	69	70
	AN	67	70	71
	BN	67	71	71
	D	68	72	72
	C	69	74	74
	AVG	67	71	71
OCT	W	60	67	67
	AN	60	67	67
	BN	60	67	67
	D	60	66	66
	C	62	67	68
	AVG	60	67	67
NOV	W	56	60	59
	AN	56	60	59
	BN	55	59	59
	D	56	59	59
	C	57	60	60
	AVG	56	59	59
DEC	W	49	52	52
	AN	49	52	52
	BN	48	51	51
	D	49	51	51
	C	48	50	50
	AVG	49	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River at the Confluence with the Sacramento River, Year-Round

Alternative 1A: American River at the Confluence with the Sacramento River			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
JAN	W	3.1 (6.7%)	0 (0.1%)
	AN	2.8 (5.9%)	0 (0.1%)
	BN	2.9 (6.3%)	0 (0.1%)
	D	2.6 (5.6%)	-0.1 (-0.2%)
	C	2.9 (6.2%)	0 (-0.1%)
	AVG	2.9 (6.2%)	0 (0%)
FEB	W	3.4 (7%)	0 (0%)
	AN	3.7 (7.6%)	0 (0%)
	BN	3.1 (6.5%)	0 (0.1%)
	D	3.1 (6.2%)	0 (-0.1%)
	C	3.2 (6.3%)	0.1 (0.1%)
	AVG	3.3 (6.7%)	0 (0%)
MAR	W	2.9 (5.6%)	0 (0%)
	AN	2.8 (5.3%)	0 (0%)
	BN	2.5 (4.6%)	0 (-0.1%)
	D	3.1 (5.6%)	0 (0%)
	C	2.6 (4.6%)	0 (0%)
	AVG	2.8 (5.2%)	0 (0%)
APR	W	2.8 (5%)	0 (0%)
	AN	3 (5.2%)	0 (0%)
	BN	2.9 (5%)	0 (0%)
	D	2.5 (4%)	-0.1 (-0.2%)
	C	2.8 (4.6%)	0.2 (0.3%)
	AVG	2.8 (4.7%)	0 (0%)
MAY	W	4.2 (6.9%)	-0.1 (-0.2%)
	AN	4.4 (7%)	-0.5 (-0.7%)
	BN	3.7 (5.9%)	-0.4 (-0.6%)
	D	2.3 (3.5%)	-0.6 (-0.9%)
	C	3.2 (4.8%)	0 (0.1%)
	AVG	3.6 (5.7%)	-0.3 (-0.4%)
JUN	W	2.7 (4.2%)	-0.9 (-1.4%)
	AN	1.9 (2.9%)	-1.1 (-1.5%)
	BN	2.1 (3.2%)	-1 (-1.4%)
	D	2.1 (3.1%)	-0.4 (-0.5%)
	C	3.6 (5.2%)	-0.2 (-0.3%)
	AVG	2.5 (3.7%)	-0.7 (-1%)
JUL	W	2.6 (3.8%)	0.3 (0.4%)
	AN	1.6 (2.4%)	0.6 (0.8%)
	BN	2.6 (3.8%)	0.6 (0.8%)
	D	3.9 (5.7%)	0.8 (1.1%)
	C	3.6 (5%)	-0.1 (-0.2%)
	AVG	2.9 (4.2%)	0.4 (0.6%)

Alternative 1A: American River at the Confluence with the Sacramento River			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
AUG	W	4.5 (6.5%)	-0.1 (-0.1%)
	AN	3.8 (5.4%)	0.4 (0.6%)
	BN	4.1 (5.8%)	1.2 (1.6%)
	D	5.5 (7.9%)	0.7 (1%)
	C	5.5 (7.6%)	0.4 (0.5%)
	AVG	4.7 (6.7%)	0.4 (0.6%)
SEP	W	3.4 (5.2%)	0.3 (0.4%)
	AN	4 (6%)	0.4 (0.5%)
	BN	3.9 (5.8%)	0.3 (0.4%)
	D	4.5 (6.7%)	-0.1 (-0.2%)
	C	4.2 (6%)	0.1 (0.1%)
	AVG	4 (5.9%)	0.2 (0.3%)
OCT	W	6.8 (11.4%)	-0.2 (-0.2%)
	AN	6.8 (11.2%)	-0.1 (-0.1%)
	BN	7.4 (12.4%)	0 (0%)
	D	6.2 (10.2%)	0.1 (0.1%)
	C	5.7 (9.3%)	0.2 (0.3%)
	AVG	6.6 (11%)	0 (0%)
NOV	W	3.2 (5.8%)	-0.2 (-0.3%)
	AN	3.4 (6.1%)	-0.1 (-0.1%)
	BN	3.8 (6.9%)	0 (0%)
	D	3.1 (5.7%)	-0.1 (-0.1%)
	C	3.2 (5.7%)	0 (0%)
	AVG	3.3 (6%)	-0.1 (-0.2%)
DEC	W	2.3 (4.7%)	-0.1 (-0.2%)
	AN	2.5 (5.1%)	0 (0%)
	BN	2.7 (5.5%)	0.1 (0.1%)
	D	2.3 (4.7%)	-0.1 (-0.1%)
	C	2.4 (5.1%)	0.3 (0.5%)
	AVG	2.4 (5%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.1.18 Stanislaus River at Knights Ferry

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 1A Model Scenarios in the Stanislaus River at Knights Ferry, Year-Round

Alternative 1A: Stanislaus River at Knights Ferry				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
JAN	W	49	52	52
	AN	49	52	52
	BN	49	52	52
	D	48	51	51
	C	49	52	52
	AVG	49	52	52
FEB	W	49	52	52
	AN	49	52	52
	BN	49	52	52
	D	49	52	52
	C	50	53	53
	AVG	49	52	52
MAR	W	49	52	52
	AN	49	53	53
	BN	51	54	54
	D	51	54	54
	C	52	55	55
	AVG	50	54	54
APR	W	50	53	53
	AN	50	54	54
	BN	51	55	55
	D	52	55	55
	C	53	57	57
	AVG	51	54	54
MAY	W	51	55	55
	AN	53	56	56
	BN	54	57	57
	D	55	58	58
	C	56	59	59
	AVG	53	57	57
JUN	W	54	56	56
	AN	56	59	59
	BN	58	61	61
	D	59	63	63
	C	60	64	64
	AVG	57	60	60
JUL	W	57	59	59
	AN	59	62	62
	BN	60	63	63
	D	61	65	65
	C	62	66	66
	AVG	59	63	63

Alternative 1A: Stanislaus River at Knights Ferry				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
AUG	W	58	61	61
	AN	60	63	63
	BN	60	64	64
	D	61	65	65
	C	62	67	67
	AVG	60	64	64
SEP	W	59	62	62
	AN	60	64	64
	BN	61	64	64
	D	62	65	65
	C	63	67	67
	AVG	61	64	64
OCT	W	59	62	62
	AN	59	62	62
	BN	59	62	62
	D	58	62	62
	C	60	64	64
	AVG	59	63	63
NOV	W	56	59	59
	AN	56	59	59
	BN	56	59	59
	D	56	59	59
	C	57	61	61
	AVG	56	60	60
DEC	W	52	55	55
	AN	52	55	55
	BN	51	54	54
	D	51	54	54
	C	52	55	55
	AVG	51	55	55

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Knights Ferry, Year-Round

Alternative 1A: Stanislaus River at Knights Ferry			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
JAN	W	3.1 (6.3%)	0 (0%)
	AN	3.1 (6.4%)	0 (0%)
	BN	3.1 (6.4%)	0 (0%)
	D	3 (6.3%)	0 (0%)
	C	3.1 (6.2%)	0 (0%)
	AVG	3.1 (6.3%)	0 (0%)
FEB	W	3.1 (6.4%)	0 (0%)
	AN	3.2 (6.5%)	0 (0%)
	BN	3 (6.2%)	0 (0%)
	D	3.2 (6.5%)	0 (0%)
	C	3.1 (6.2%)	0 (0%)
	AVG	3.1 (6.4%)	0 (0%)
MAR	W	3.2 (6.6%)	0 (0%)
	AN	3.6 (7.3%)	0 (0%)
	BN	3.1 (6.1%)	0 (0%)
	D	3.3 (6.5%)	0 (0%)
	C	3 (5.8%)	0 (0%)
	AVG	3.3 (6.5%)	0 (0%)
APR	W	3.1 (6.2%)	0 (0%)
	AN	3.3 (6.6%)	0 (0%)
	BN	3.4 (6.6%)	0 (0%)
	D	3.5 (6.7%)	0 (0%)
	C	3.6 (6.7%)	0 (0%)
	AVG	3.3 (6.5%)	0 (0%)
MAY	W	3 (5.9%)	0 (0%)
	AN	3.1 (5.9%)	0 (0%)
	BN	3.5 (6.5%)	0 (0%)
	D	3.4 (6.2%)	0 (0%)
	C	3.3 (5.9%)	0 (0%)
	AVG	3.2 (6.1%)	0 (0%)
JUN	W	2.6 (4.8%)	0 (0%)
	AN	3.3 (6%)	0 (0%)
	BN	3.6 (6.3%)	0 (0%)
	D	3.8 (6.5%)	0 (0%)
	C	4.1 (6.9%)	0 (0%)
	AVG	3.4 (6%)	0 (0%)
JUL	W	2.5 (4.4%)	0 (0%)
	AN	3.4 (5.7%)	0 (0%)
	BN	3.5 (5.9%)	0 (0%)
	D	3.7 (6.1%)	0 (0%)
	C	4.1 (6.6%)	0 (0%)
	AVG	3.3 (5.6%)	0 (0%)

Alternative 1A: Stanislaus River at Knights Ferry			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
AUG	W	3.4 (5.8%)	0 (0%)
	AN	3.4 (5.7%)	0 (0%)
	BN	3.5 (5.8%)	0 (0%)
	D	3.6 (5.8%)	0 (0%)
	C	4.3 (6.9%)	0 (0%)
	AVG	3.6 (6%)	0 (0%)
SEP	W	3.5 (6%)	0 (0%)
	AN	3.6 (6%)	0 (0%)
	BN	3.6 (5.9%)	0 (0%)
	D	3.7 (6%)	0 (0%)
	C	4 (6.3%)	0.1 (0.1%)
	AVG	3.7 (6%)	0 (0%)
OCT	W	3.5 (5.9%)	0 (0%)
	AN	3 (5.1%)	0 (0%)
	BN	3.3 (5.6%)	0 (0%)
	D	3.4 (5.9%)	0 (0%)
	C	3.7 (6.1%)	0 (0%)
	AVG	3.4 (5.7%)	0 (0%)
NOV	W	3.3 (5.8%)	0 (0%)
	AN	3.1 (5.5%)	0 (0%)
	BN	3.3 (5.8%)	0 (0%)
	D	3.4 (6%)	0 (0%)
	C	3.5 (6%)	0 (0%)
	AVG	3.3 (5.8%)	0 (0%)
DEC	W	3.3 (6.4%)	0 (0%)
	AN	3.1 (5.9%)	0 (0%)
	BN	3.3 (6.4%)	0 (0%)
	D	3.2 (6.2%)	0 (0%)
	C	3.3 (6.4%)	0 (0%)
	AVG	3.2 (6.3%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.1.19 Stanislaus River at Orange Blossom Bridge

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 1A Model Scenarios in the Stanislaus River at Orange Blossom Bridge, Year-Round

Alternative 1A: Stanislaus River at Orange Blossom Bridge				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
JAN	W	48	51	51
	AN	48	51	51
	BN	48	51	51
	D	47	50	50
	C	48	51	51
	AVG	48	51	51
FEB	W	49	52	52
	AN	49	52	52
	BN	49	52	52
	D	49	52	52
	C	50	53	53
	AVG	49	52	52
MAR	W	49	53	53
	AN	50	54	54
	BN	52	55	55
	D	52	56	56
	C	53	56	56
	AVG	51	54	54
APR	W	50	53	53
	AN	51	54	54
	BN	52	56	56
	D	53	56	56
	C	55	58	58
	AVG	52	55	55
MAY	W	53	56	56
	AN	54	57	57
	BN	55	59	59
	D	56	60	60
	C	58	61	61
	AVG	55	58	58
JUN	W	56	58	58
	AN	58	62	62
	BN	60	64	64
	D	62	66	66
	C	63	67	67
	AVG	59	63	63
JUL	W	60	62	62
	AN	63	66	66
	BN	63	67	67
	D	64	68	68
	C	65	69	69
	AVG	63	66	66

Alternative 1A: Stanislaus River at Orange Blossom Bridge				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
AUG	W	60	64	64
	AN	63	66	66
	BN	63	66	66
	D	64	68	68
	C	65	69	69
	AVG	63	66	66
SEP	W	60	64	64
	AN	63	66	66
	BN	63	67	67
	D	63	67	67
	C	64	68	68
	AVG	62	66	66
OCT	W	59	62	62
	AN	59	62	62
	BN	59	62	62
	D	59	62	62
	C	60	64	64
	AVG	59	62	62
NOV	W	55	58	58
	AN	55	58	58
	BN	55	58	58
	D	55	58	58
	C	56	59	59
	AVG	55	58	58
DEC	W	50	54	54
	AN	50	53	53
	BN	49	53	53
	D	50	52	52
	C	50	53	53
	AVG	50	53	53

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Orange Blossom Bridge, Year-Round

Alternative 1A: Stanislaus River at Orange Blossom Bridge			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
JAN	W	3 (6.2%)	0 (0%)
	AN	3 (6.3%)	0 (0%)
	BN	2.9 (6.1%)	0 (0%)
	D	2.8 (5.9%)	0 (0%)
	C	2.8 (5.8%)	0 (0%)
	AVG	2.9 (6.1%)	0 (0%)
FEB	W	3.1 (6.3%)	0 (0%)
	AN	3.1 (6.3%)	0 (0%)
	BN	3 (6%)	0 (0%)
	D	3.2 (6.5%)	0 (0%)
	C	3.2 (6.3%)	0 (0%)
	AVG	3.1 (6.3%)	0 (0%)
MAR	W	3.2 (6.4%)	0 (0%)
	AN	3.7 (7.3%)	0 (0%)
	BN	3 (5.8%)	0 (0%)
	D	3.4 (6.6%)	0 (0%)
	C	3.1 (5.8%)	0 (0%)
	AVG	3.3 (6.4%)	0 (0%)
APR	W	3.1 (6.1%)	0 (0%)
	AN	3.3 (6.5%)	0 (0%)
	BN	3.5 (6.7%)	0 (0%)
	D	3.6 (6.8%)	0 (0%)
	C	3.6 (6.6%)	0 (0%)
	AVG	3.4 (6.5%)	0 (0%)
MAY	W	3.2 (6%)	0 (0%)
	AN	3.3 (6%)	0 (0%)
	BN	3.9 (7.1%)	0 (0%)
	D	3.6 (6.5%)	0 (0%)
	C	3.5 (6%)	0 (0%)
	AVG	3.4 (6.2%)	0 (0%)
JUN	W	2.3 (4.1%)	0 (0%)
	AN	3.8 (6.6%)	0 (0%)
	BN	3.9 (6.5%)	0 (0%)
	D	4.3 (6.9%)	0 (0%)
	C	4.1 (6.6%)	0.1 (0.1%)
	AVG	3.5 (5.9%)	0 (0%)
JUL	W	2.1 (3.5%)	0 (0%)
	AN	3.6 (5.7%)	0 (0%)
	BN	3.5 (5.6%)	0 (0%)
	D	3.8 (5.9%)	0 (0%)
	C	4 (6.2%)	0 (0%)
	AVG	3.2 (5.2%)	0 (0%)

Alternative 1A: Stanislaus River at Orange Blossom Bridge			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
AUG	W	3.9 (6.4%)	0 (0%)
	AN	3.5 (5.7%)	0 (0%)
	BN	3.5 (5.5%)	0 (0%)
	D	3.5 (5.5%)	0 (0%)
	C	4.2 (6.5%)	0 (0%)
	AVG	3.7 (6%)	0 (0%)
SEP	W	3.8 (6.3%)	0 (0%)
	AN	3.9 (6.2%)	0 (0%)
	BN	3.7 (6%)	0 (0%)
	D	3.7 (5.9%)	0 (0%)
	C	3.8 (6%)	-0.1 (-0.2%)
	AVG	3.8 (6.1%)	0 (0%)
OCT	W	3.3 (5.6%)	0 (0%)
	AN	3 (5.1%)	0 (0%)
	BN	3.2 (5.4%)	0 (0%)
	D	3.4 (5.7%)	0 (0%)
	C	3.5 (5.9%)	0 (0%)
	AVG	3.3 (5.5%)	0 (0%)
NOV	W	3.1 (5.7%)	0 (0%)
	AN	3 (5.5%)	0 (0%)
	BN	3.2 (5.8%)	0 (0%)
	D	3.2 (5.9%)	0 (0%)
	C	3.2 (5.7%)	0 (0%)
	AVG	3.1 (5.7%)	0 (0%)
DEC	W	3.2 (6.4%)	0 (0%)
	AN	2.9 (5.9%)	0 (0%)
	BN	3.3 (6.6%)	0 (0%)
	D	3 (6%)	0 (0%)
	C	3.1 (6.2%)	0 (0%)
	AVG	3.1 (6.2%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.1.20 Stanislaus River at Riverbank

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 1A Model Scenarios in the Stanislaus River at Riverbank, Year-Round

Alternative 1A: Stanislaus River at Riverbank				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
JAN	W	47	50	50
	AN	47	49	49
	BN	46	49	49
	D	45	48	48
	C	46	49	49
	AVG	46	49	49
FEB	W	49	52	52
	AN	50	53	53
	BN	50	52	52
	D	50	53	53
	C	51	54	54
	AVG	50	53	53
MAR	W	51	54	54
	AN	52	55	55
	BN	53	56	56
	D	54	57	57
	C	54	57	57
	AVG	52	56	56
APR	W	52	55	55
	AN	53	56	56
	BN	54	57	57
	D	54	58	58
	C	57	60	60
	AVG	54	57	57
MAY	W	56	59	59
	AN	57	60	60
	BN	58	62	62
	D	59	62	62
	C	60	64	64
	AVG	58	61	61
JUN	W	60	62	62
	AN	62	66	66
	BN	64	68	68
	D	66	70	70
	C	66	70	70
	AVG	63	67	67
JUL	W	65	67	67
	AN	68	71	71
	BN	68	71	71
	D	68	72	72
	C	68	72	72
	AVG	67	70	70

Alternative 1A: Stanislaus River at Riverbank				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
AUG	W	65	69	69
	AN	67	70	70
	BN	67	70	70
	D	68	71	71
	C	67	71	71
	AVG	66	70	70
SEP	W	64	67	67
	AN	66	70	70
	BN	66	69	69
	D	66	70	70
	C	66	70	69
	AVG	65	69	69
OCT	W	59	63	63
	AN	59	62	62
	BN	59	62	62
	D	59	62	62
	C	61	64	64
	AVG	60	63	63
NOV	W	53	56	56
	AN	53	56	56
	BN	53	56	56
	D	53	56	56
	C	54	57	57
	AVG	53	56	56
DEC	W	48	51	51
	AN	48	50	50
	BN	47	50	50
	D	47	50	50
	C	47	50	50
	AVG	47	50	50

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Riverbank, Year-Round

Alternative 1A: Stanislaus River at Riverbank			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
JAN	W	2.9 (6.3%)	0 (0%)
	AN	3 (6.4%)	0 (0%)
	BN	2.8 (6%)	0 (0%)
	D	2.5 (5.6%)	0 (0%)
	C	2.7 (5.8%)	0 (0%)
	AVG	2.8 (6%)	0 (0%)
FEB	W	2.9 (5.9%)	0 (0%)
	AN	2.9 (5.8%)	0 (0%)
	BN	2.7 (5.5%)	0 (0%)
	D	3 (6.1%)	0 (0%)
	C	3.1 (6%)	0 (0%)
	AVG	2.9 (5.9%)	0 (0%)
MAR	W	3 (5.9%)	0 (0%)
	AN	3.6 (7%)	0 (0%)
	BN	2.8 (5.3%)	0 (0%)
	D	3.4 (6.4%)	0 (0%)
	C	3 (5.6%)	0 (0%)
	AVG	3.2 (6%)	0 (0%)
APR	W	3 (5.7%)	0 (0%)
	AN	3.2 (6.1%)	0 (0%)
	BN	3.6 (6.6%)	0 (0%)
	D	3.6 (6.7%)	0 (0%)
	C	3.6 (6.3%)	0 (0%)
	AVG	3.3 (6.2%)	0 (0%)
MAY	W	3.2 (5.8%)	0 (0%)
	AN	3.4 (6%)	0 (0%)
	BN	4.3 (7.4%)	0 (0%)
	D	3.9 (6.6%)	0 (0%)
	C	3.5 (5.8%)	0 (0%)
	AVG	3.6 (6.2%)	0 (0%)
JUN	W	2 (3.4%)	0 (0%)
	AN	4 (6.4%)	0 (0%)
	BN	3.7 (5.7%)	0 (0%)
	D	4 (6.1%)	0 (0%)
	C	3.7 (5.6%)	0.1 (0.1%)
	AVG	3.3 (5.2%)	0 (0%)
JUL	W	1.8 (2.8%)	0 (0%)
	AN	3.3 (4.8%)	0 (0%)
	BN	3.1 (4.6%)	0 (0%)
	D	3.6 (5.3%)	0 (0%)
	C	3.5 (5.1%)	0 (0%)
	AVG	2.9 (4.3%)	0 (0%)
AUG	W	4.1 (6.4%)	0 (0%)
	AN	3.4 (5.1%)	0 (0%)
	BN	3.2 (4.8%)	0 (0%)
	D	3.3 (4.9%)	0 (0%)
	C	3.8 (5.6%)	0 (0%)
	AVG	3.6 (5.5%)	0 (0%)

Alternative 1A: Stanislaus River at Riverbank			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
SEP	W	3.9 (6.2%)	0 (0%)
	AN	3.9 (5.9%)	0 (0%)
	BN	3.7 (5.7%)	0 (0%)
	D	3.7 (5.6%)	0 (0%)
	C	3.6 (5.5%)	-0.2 (-0.2%)
	AVG	3.8 (5.8%)	0 (0%)
OCT	W	3.1 (5.3%)	0 (0%)
	AN	2.9 (4.9%)	0 (0%)
	BN	2.9 (4.9%)	0 (0%)
	D	3.1 (5.2%)	0 (0%)
	C	3.3 (5.5%)	0 (0%)
	AVG	3.1 (5.2%)	0 (0%)
NOV	W	3 (5.7%)	0 (0%)
	AN	3.1 (5.9%)	0 (0%)
	BN	3.1 (5.8%)	0 (0%)
	D	3.1 (5.8%)	0 (0%)
	C	3 (5.6%)	0 (0%)
	AVG	3.1 (5.7%)	0 (0%)
DEC	W	3.1 (6.5%)	0 (0%)
	AN	2.9 (6.1%)	0 (0%)
	BN	3.3 (7%)	0 (0%)
	D	2.8 (5.9%)	0 (0%)
	C	2.9 (6.2%)	0 (0%)
	AVG	3 (6.4%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.1.21 Stanislaus River at the Confluence with the San Joaquin River

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 1A Model Scenarios in the Stanislaus River at the Confluence with the San Joaquin River, Year-Round

Alternative 1A: Stanislaus River at the Confluence with the San Joaquin River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
JAN	W	46	49	49
	AN	46	49	49
	BN	46	49	49
	D	45	47	47
	C	45	48	48
	AVG	46	48	48
FEB	W	50	53	53
	AN	50	53	53
	BN	50	52	52
	D	50	53	53
	C	51	54	54
	AVG	50	53	53
MAR	W	52	55	55
	AN	53	56	56
	BN	54	57	57
	D	55	58	58
	C	55	58	58
	AVG	54	56	56
APR	W	54	57	57
	AN	55	58	58
	BN	56	60	60
	D	57	60	60
	C	59	62	62
	AVG	56	59	59
MAY	W	59	62	62
	AN	60	63	63
	BN	60	64	64
	D	61	65	65
	C	63	66	66
	AVG	60	64	64
JUN	W	62	65	65
	AN	65	69	69
	BN	66	70	70
	D	68	72	72
	C	68	71	71
	AVG	65	69	69

Alternative 1A: Stanislaus River at the Confluence with the San Joaquin River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A1A_LLT**
JUL	W	68	70	70
	AN	70	73	73
	BN	70	73	73
	D	70	74	74
	C	70	73	73
	AVG	69	72	72
AUG	W	67	71	71
	AN	69	72	72
	BN	68	71	71
	D	69	72	72
	C	69	72	72
	AVG	68	72	72
SEP	W	65	69	69
	AN	67	71	71
	BN	67	70	70
	D	67	70	70
	C	67	70	70
	AVG	66	70	70
OCT	W	60	63	63
	AN	60	62	62
	BN	59	62	62
	D	59	62	62
	C	61	64	64
	AVG	60	63	63
NOV	W	53	56	56
	AN	52	55	55
	BN	52	55	55
	D	52	55	55
	C	53	56	56
	AVG	52	55	55
DEC	W	47	50	50
	AN	46	49	49
	BN	45	49	49
	D	45	48	48
	C	45	48	48
	AVG	46	49	49

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at the Confluence with the San Joaquin River, Year-Round

Alternative 1A: Stanislaus River at the Confluence with the San Joaquin River			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
JAN	W	2.9 (6.3%)	0 (0%)
	AN	2.9 (6.4%)	0 (0%)
	BN	2.8 (6.1%)	0 (0%)
	D	2.5 (5.7%)	0 (0%)
	C	2.8 (6.1%)	0 (0%)
	AVG	2.8 (6.2%)	0 (0%)
FEB	W	2.8 (5.7%)	0 (0%)
	AN	2.8 (5.6%)	0 (0%)
	BN	2.6 (5.2%)	0 (0%)
	D	2.8 (5.6%)	0 (0%)
	C	2.9 (5.6%)	0 (0%)
	AVG	2.8 (5.6%)	0 (0%)
MAR	W	2.9 (5.5%)	0 (0%)
	AN	3.3 (6.3%)	0 (0%)
	BN	2.6 (4.9%)	0 (0%)
	D	3.2 (5.8%)	0 (0%)
	C	2.8 (5.1%)	0 (0%)
	AVG	3 (5.5%)	0 (0%)
APR	W	2.8 (5.2%)	0 (0%)
	AN	3.1 (5.6%)	0 (0%)
	BN	3.4 (6.1%)	0 (0%)
	D	3.5 (6.1%)	0 (0%)
	C	3.2 (5.5%)	0 (0%)
	AVG	3.2 (5.6%)	0 (0%)
MAY	W	3.1 (5.3%)	0 (0%)
	AN	3.4 (5.7%)	0 (0%)
	BN	4.1 (6.8%)	0 (0%)
	D	3.7 (6%)	0 (0%)
	C	3.2 (5.1%)	0 (0%)
	AVG	3.4 (5.7%)	0 (0%)
JUN	W	2.3 (3.6%)	0 (0%)
	AN	3.7 (5.8%)	0 (0%)
	BN	3.3 (5.1%)	0 (0%)
	D	3.4 (5%)	0 (0%)
	C	3.3 (4.8%)	0 (0%)
	AVG	3.1 (4.7%)	0 (0%)
JUL	W	2.3 (3.3%)	0 (0%)
	AN	3 (4.2%)	0 (0%)
	BN	2.8 (4%)	0 (0%)
	D	3.2 (4.5%)	0 (0%)
	C	3.2 (4.5%)	0 (0%)
	AVG	2.8 (4%)	0 (0%)

Alternative 1A: Stanislaus River at the Confluence with the San Joaquin River			
Month	**WYT**	**EXISTING CONDITIONS vs. A1A_LLT**	**NAA vs. A1A_LLT**
AUG	W	4.1 (6.1%)	0 (0%)
	AN	3.2 (4.7%)	0 (0%)
	BN	3.1 (4.5%)	0 (0%)
	D	3.1 (4.5%)	0 (0%)
	C	3.6 (5.2%)	0 (0%)
	AVG	3.5 (5.1%)	0 (0%)
SEP	W	3.9 (6%)	0 (0%)
	AN	3.7 (5.6%)	0 (0%)
	BN	3.7 (5.5%)	0 (0%)
	D	3.7 (5.5%)	0 (0%)
	C	3.5 (5.3%)	-0.2 (-0.2%)
	AVG	3.7 (5.6%)	0 (0%)
OCT	W	3 (5%)	0 (0%)
	AN	2.8 (4.8%)	0 (0%)
	BN	2.7 (4.5%)	0 (0%)
	D	2.9 (4.9%)	0 (0%)
	C	3.2 (5.3%)	0 (0%)
	AVG	2.9 (4.9%)	0 (0%)
NOV	W	3 (5.8%)	0 (0%)
	AN	3.2 (6%)	0 (0%)
	BN	3.1 (5.9%)	0 (0%)
	D	3.1 (5.9%)	0 (0%)
	C	2.9 (5.6%)	0 (0%)
	AVG	3.1 (5.8%)	0 (0%)
DEC	W	3.1 (6.6%)	0 (0.1%)
	AN	2.9 (6.2%)	0 (0%)
	BN	3.2 (7.1%)	0 (0%)
	D	2.8 (6.1%)	0 (0%)
	C	2.9 (6.4%)	0 (0%)
	AVG	3 (6.5%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.2 Alternative 2A

11D.2.1 Sacramento River at Keswick

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 2A Model Scenarios in the Sacramento River at Keswick, Year-Round

Alternative 2A: Sacramento River at Keswick				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
JAN	W	46	47	47
	AN	46	48	48
	BN	47	48	48
	D	47	48	48
	C	47	48	48
	All	46	48	48
FEB	W	45	47	47
	AN	46	47	47
	BN	46	47	47
	D	46	48	48
	C	46	48	48
	All	46	47	47
MAR	W	46	47	47
	AN	46	48	48
	BN	47	48	48
	D	47	49	49
	C	48	50	50
	All	47	48	48
APR	W	47	49	49
	AN	48	50	50
	BN	48	50	50
	D	48	50	50
	C	49	51	51
	All	48	50	50
MAY	W	49	50	50
	AN	49	51	50
	BN	49	51	51
	D	49	51	51
	C	51	53	53
	All	49	51	51
JUN	W	50	51	51
	AN	50	51	51
	BN	50	51	51
	D	50	52	52
	C	53	55	55
	All	50	52	52

Alternative 2A: Sacramento River at Keswick				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
JUL	W	51	52	52
	AN	51	52	52
	BN	51	52	53
	D	51	54	54
	C	54	59	59
	All	51	53	54
AUG	W	52	54	54
	AN	52	54	55
	BN	52	54	55
	D	53	56	56
	C	57	64	64
	All	53	56	56
SEP	W	53	55	55
	AN	54	56	56
	BN	54	56	57
	D	55	59	59
	C	60	66	66
	All	55	58	58
OCT	W	54	57	57
	AN	54	57	57
	BN	54	57	58
	D	55	58	59
	C	56	60	60
	All	54	58	58
NOV	W	53	55	55
	AN	52	55	55
	BN	53	55	55
	D	53	56	56
	C	54	56	56
	All	53	55	55
DEC	W	49	50	50
	AN	49	51	51
	BN	50	52	52
	D	50	52	52
	C	51	52	52
	All	50	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Keswick, Year-Round

Alternative 2A: Sacramento River at Keswick			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
JAN	W	1.3 (2.8%)	-0.1 (-0.1%)
	AN	1.4 (3.1%)	0 (0%)
	BN	1.6 (3.4%)	-0.1 (-0.2%)
	D	1.5 (3.2%)	-0.1 (-0.2%)
	C	1.7 (3.6%)	-0.1 (-0.3%)
	AVG	1.5 (3.1%)	-0.1 (-0.2%)
FEB	W	1.5 (3.3%)	0 (0%)
	AN	1.6 (3.6%)	0 (0%)
	BN	1.5 (3.2%)	-0.1 (-0.2%)
	D	1.6 (3.5%)	-0.1 (-0.2%)
	C	1.7 (3.7%)	-0.1 (-0.2%)
	AVG	1.6 (3.4%)	0 (-0.1%)
MAR	W	1.5 (3.2%)	0 (0%)
	AN	1.7 (3.6%)	0.1 (0.1%)
	BN	1.6 (3.4%)	0 (0.1%)
	D	1.6 (3.4%)	-0.1 (-0.1%)
	C	1.7 (3.6%)	-0.2 (-0.4%)
	AVG	1.6 (3.4%)	0 (-0.1%)
APR	W	1.6 (3.5%)	0 (0%)
	AN	1.7 (3.6%)	0 (0%)
	BN	1.5 (3.1%)	0.1 (0.3%)
	D	1.5 (3%)	-0.1 (-0.2%)
	C	2.2 (4.4%)	0.1 (0.2%)
	AVG	1.7 (3.5%)	0 (0%)
MAY	W	1.6 (3.2%)	-0.2 (-0.3%)
	AN	1.2 (2.5%)	-0.1 (-0.2%)
	BN	1.4 (2.8%)	0 (0%)
	D	1.4 (2.9%)	-0.1 (-0.2%)
	C	2.4 (4.6%)	0.3 (0.6%)
	AVG	1.6 (3.2%)	0 (-0.1%)
JUN	W	0.8 (1.6%)	-0.1 (-0.3%)
	AN	1 (2%)	-0.2 (-0.4%)
	BN	1.2 (2.3%)	-0.1 (-0.1%)
	D	2.1 (4.2%)	0.2 (0.4%)
	C	2.4 (4.7%)	0.3 (0.6%)
	AVG	1.4 (2.8%)	0 (0%)
JUL	W	1.2 (2.4%)	0.3 (0.6%)
	AN	1.7 (3.5%)	0.4 (0.7%)
	BN	1.9 (3.7%)	0.5 (1%)
	D	2.9 (5.7%)	0.6 (1.1%)
	C	5.3 (9.7%)	0.1 (0.2%)
	AVG	2.4 (4.6%)	0.4 (0.7%)

Alternative 2A: Sacramento River at Keswick			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
AUG	W	2.2 (4.3%)	0.3 (0.5%)
	AN	2.4 (4.5%)	0.5 (0.9%)
	BN	2.9 (5.6%)	0.5 (1%)
	D	3.4 (6.4%)	0.4 (0.6%)
	C	7.9 (14%)	0.4 (0.7%)
	AVG	3.4 (6.5%)	0.4 (0.7%)
SEP	W	1.9 (3.6%)	0.3 (0.5%)
	AN	2.6 (4.8%)	0.3 (0.6%)
	BN	3.5 (6.5%)	0.8 (1.4%)
	D	4.6 (8.3%)	0.1 (0.2%)
	C	6.3 (10.5%)	0.3 (0.5%)
	AVG	3.5 (6.4%)	0.4 (0.6%)
OCT	W	3.3 (6.1%)	0.3 (0.5%)
	AN	3 (5.6%)	0.2 (0.4%)
	BN	3.4 (6.2%)	0.3 (0.5%)
	D	3.9 (7.1%)	0.4 (0.6%)
	C	3.7 (6.5%)	-0.1 (-0.1%)
	AVG	3.5 (6.3%)	0.2 (0.4%)
NOV	W	2.3 (4.5%)	0.1 (0.2%)
	AN	2.3 (4.5%)	0.1 (0.3%)
	BN	2.4 (4.6%)	0 (-0.1%)
	D	2.4 (4.6%)	0.1 (0.2%)
	C	2.4 (4.4%)	-0.1 (-0.2%)
	AVG	2.4 (4.5%)	0.1 (0.1%)
DEC	W	1.2 (2.4%)	-0.1 (-0.2%)
	AN	1.7 (3.4%)	-0.1 (-0.1%)
	BN	1.9 (3.8%)	-0.1 (-0.2%)
	D	1.8 (3.5%)	-0.2 (-0.3%)
	C	1.9 (3.8%)	0 (-0.1%)
	AVG	1.6 (3.2%)	-0.1 (-0.2%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.2.2 Sacramento River at Jelly's Ferry

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 2A Model Scenarios in the Sacramento River at Jelly's Ferry, Year-Round

Alternative 2A: Sacramento River at Jelly's Ferry				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
JAN	W	45	47	47
	AN	45	47	47
	BN	45	46	46
	D	45	47	47
	C	45	47	47
	AVG	45	47	47
FEB	W	46	47	47
	AN	46	48	48
	BN	46	48	47
	D	46	48	48
	C	47	49	49
	AVG	46	48	48
MAR	W	48	49	49
	AN	49	51	51
	BN	49	51	51
	D	50	51	51
	C	50	52	52
	AVG	49	51	51
APR	W	51	53	53
	AN	53	55	55
	BN	53	54	54
	D	52	54	54
	C	52	54	54
	AVG	52	54	54
MAY	W	54	57	57
	AN	55	57	56
	BN	54	57	56
	D	54	56	55
	C	55	57	57
	AVG	54	57	56
JUN	W	55	56	56
	AN	55	56	55
	BN	54	56	56
	D	54	56	56
	C	56	58	58
	AVG	55	56	56
JUL	W	56	57	57
	AN	55	56	56
	BN	55	56	57
	D	55	57	58
	C	57	62	63
	AVG	55	57	58

Alternative 2A: Sacramento River at Jelly's Ferry				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
AUG	W	56	59	59
	AN	56	58	59
	BN	56	58	59
	D	56	59	60
	C	59	67	67
	AVG	57	60	60
SEP	W	56	57	58
	AN	57	59	59
	BN	57	60	61
	D	58	63	63
	C	61	67	67
	AVG	58	61	61
OCT	W	54	57	57
	AN	54	57	57
	BN	55	57	58
	D	55	58	59
	C	56	60	60
	AVG	55	58	58
NOV	W	51	53	53
	AN	51	53	53
	BN	51	54	53
	D	51	54	54
	C	52	55	54
	AVG	51	53	53
DEC	W	47	48	48
	AN	47	48	48
	BN	47	49	49
	D	47	49	49
	C	47	49	49
	AVG	47	48	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Jelly's Ferry, Year-Round

Alternative 2A: Sacramento River at Jelly's Ferry			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
JAN	W	1.4 (3.1%)	0 (0%)
	AN	1.5 (3.3%)	0 (0%)
	BN	1.7 (3.8%)	0 (0%)
	D	1.7 (3.9%)	-0.1 (-0.2%)
	C	2 (4.6%)	-0.1 (-0.2%)
	AVG	1.6 (3.6%)	0 (-0.1%)
FEB	W	1.5 (3.4%)	0 (0%)
	AN	1.6 (3.4%)	0 (0%)
	BN	1.6 (3.6%)	0 (-0.1%)
	D	1.8 (3.9%)	0 (-0.1%)
	C	1.9 (4.1%)	0 (-0.1%)
	AVG	1.7 (3.6%)	0 (0%)
MAR	W	1.4 (3%)	0 (0%)
	AN	1.6 (3.2%)	0 (0%)
	BN	1.7 (3.6%)	0.1 (0.1%)
	D	1.6 (3.2%)	-0.1 (-0.1%)
	C	1.6 (3.2%)	-0.2 (-0.4%)
	AVG	1.6 (3.2%)	0 (-0.1%)
APR	W	1.8 (3.5%)	0 (0%)
	AN	1.8 (3.4%)	-0.1 (-0.2%)
	BN	1.7 (3.2%)	-0.1 (-0.1%)
	D	1.7 (3.2%)	-0.2 (-0.3%)
	C	2.1 (4%)	0 (0.1%)
	AVG	1.8 (3.4%)	-0.1 (-0.1%)
MAY	W	2.5 (4.7%)	-0.4 (-0.7%)
	AN	1.1 (2.1%)	-0.5 (-1%)
	BN	1.8 (3.3%)	-0.3 (-0.6%)
	D	1.3 (2.4%)	-0.5 (-0.9%)
	C	2.1 (3.8%)	0.2 (0.3%)
	AVG	1.9 (3.4%)	-0.3 (-0.6%)
JUN	W	0.8 (1.5%)	-0.6 (-1%)
	AN	0.6 (1.1%)	-0.8 (-1.4%)
	BN	1.3 (2.4%)	-0.3 (-0.5%)
	D	1.9 (3.5%)	0 (0%)
	C	2.2 (4%)	0.2 (0.4%)
	AVG	1.3 (2.4%)	-0.3 (-0.6%)
JUL	W	1.2 (2.2%)	0.2 (0.4%)
	AN	1.8 (3.3%)	0.4 (0.7%)
	BN	2.2 (4%)	0.5 (0.9%)
	D	3.1 (5.6%)	0.7 (1.2%)
	C	5.2 (9.1%)	0.2 (0.3%)
	AVG	2.5 (4.5%)	0.4 (0.7%)

Alternative 2A: Sacramento River at Jelly's Ferry			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
AUG	W	2.8 (5%)	0.3 (0.5%)
	AN	2.6 (4.5%)	0.6 (1.1%)
	BN	3.2 (5.8%)	0.6 (1%)
	D	3.9 (6.9%)	0.8 (1.4%)
	C	7.5 (12.7%)	0.4 (0.6%)
	AVG	3.8 (6.7%)	0.5 (0.9%)
SEP	W	1.4 (2.6%)	0.2 (0.3%)
	AN	1.7 (3%)	0.4 (0.7%)
	BN	3.9 (6.8%)	1 (1.7%)
	D	4.9 (8.4%)	0 (0%)
	C	5.6 (9%)	0.2 (0.4%)
	AVG	3.3 (5.7%)	0.3 (0.5%)
OCT	W	3 (5.6%)	0.2 (0.3%)
	AN	2.8 (5.1%)	0.2 (0.3%)
	BN	3.2 (5.9%)	0.3 (0.6%)
	D	3.4 (6.1%)	0.2 (0.4%)
	C	3.3 (5.9%)	-0.1 (-0.1%)
	AVG	3.1 (5.7%)	0.2 (0.3%)
NOV	W	2.2 (4.3%)	-0.1 (-0.2%)
	AN	2.1 (4.2%)	-0.1 (-0.1%)
	BN	2.3 (4.5%)	-0.2 (-0.4%)
	D	2.2 (4.3%)	-0.1 (-0.1%)
	C	2.3 (4.3%)	-0.1 (-0.2%)
	AVG	2.2 (4.3%)	-0.1 (-0.2%)
DEC	W	1.1 (2.3%)	-0.1 (-0.1%)
	AN	1.7 (3.7%)	-0.1 (-0.1%)
	BN	2 (4.3%)	0.1 (0.2%)
	D	1.9 (4%)	0 (-0.1%)
	C	2.1 (4.5%)	0.2 (0.3%)
	AVG	1.7 (3.6%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.2.3 Sacramento River at Bend Bridge

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 2A Model Scenarios in the Sacramento River at Bend Bridge, Year-Round

Alternative 2A: Sacramento River at Bend Bridge				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
JAN	W	45	47	47
	AN	45	47	47
	BN	45	46	46
	D	45	47	46
	C	45	47	47
	AVG	45	47	47
FEB	W	46	47	47
	AN	46	48	48
	BN	46	48	47
	D	46	48	48
	C	47	49	49
	AVG	46	48	48
MAR	W	48	50	50
	AN	49	51	51
	BN	49	51	51
	D	50	52	52
	C	50	52	52
	AVG	49	51	51
APR	W	51	53	53
	AN	53	55	55
	BN	53	55	55
	D	53	55	55
	C	52	54	55
	AVG	52	54	54
MAY	W	54	57	57
	AN	55	57	56
	BN	55	57	57
	D	55	56	56
	C	55	57	58
	AVG	55	57	57
JUN	W	56	57	56
	AN	55	57	56
	BN	55	57	56
	D	55	57	57
	C	57	59	59
	AVG	55	57	57
JUL	W	56	57	58
	AN	55	57	57
	BN	55	57	58
	D	56	58	59
	C	58	63	63
	AVG	56	58	59

Alternative 2A: Sacramento River at Bend Bridge				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
AUG	W	57	59	60
	AN	57	59	60
	BN	56	59	60
	D	57	60	61
	C	60	67	67
	AVG	57	60	61
SEP	W	57	58	58
	AN	58	59	60
	BN	58	60	62
	D	58	63	63
	C	62	67	67
	AVG	58	61	61
OCT	W	54	57	57
	AN	55	57	57
	BN	55	58	58
	D	55	58	59
	C	56	60	60
	AVG	55	58	58
NOV	W	51	53	53
	AN	51	53	53
	BN	51	53	53
	D	51	54	53
	C	52	54	54
	AVG	51	53	53
DEC	W	47	48	48
	AN	46	48	48
	BN	47	49	49
	D	46	48	48
	C	47	49	49
	AVG	47	48	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Bend Bridge, Year-Round

Alternative 2A: Sacramento River at Bend Bridge			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
JAN	W	1.4 (3.2%)	0 (0%)
	AN	1.5 (3.4%)	0 (0%)
	BN	1.7 (3.9%)	0 (0%)
	D	1.8 (4%)	-0.1 (-0.2%)
	C	2.1 (4.7%)	-0.1 (-0.2%)
	AVG	1.7 (3.7%)	0 (-0.1%)
FEB	W	1.6 (3.4%)	0 (0%)
	AN	1.6 (3.5%)	0 (0%)
	BN	1.7 (3.6%)	0 (-0.1%)
	D	1.9 (4%)	0 (-0.1%)
	C	2 (4.2%)	0 (-0.1%)
	AVG	1.7 (3.7%)	0 (0%)
MAR	W	1.5 (3%)	0 (0%)
	AN	1.6 (3.2%)	0 (0%)
	BN	1.8 (3.6%)	0.1 (0.1%)
	D	1.6 (3.2%)	-0.1 (-0.1%)
	C	1.6 (3.3%)	-0.2 (-0.4%)
	AVG	1.6 (3.2%)	0 (-0.1%)
APR	W	1.8 (3.5%)	0 (0%)
	AN	1.8 (3.5%)	-0.1 (-0.2%)
	BN	1.7 (3.2%)	-0.1 (-0.2%)
	D	1.7 (3.2%)	-0.2 (-0.3%)
	C	2.1 (4%)	0 (0.1%)
	AVG	1.8 (3.4%)	-0.1 (-0.1%)
MAY	W	2.6 (4.7%)	-0.4 (-0.7%)
	AN	1.2 (2.1%)	-0.6 (-1%)
	BN	1.8 (3.3%)	-0.4 (-0.6%)
	D	1.3 (2.4%)	-0.5 (-0.9%)
	C	2.1 (3.8%)	0.2 (0.3%)
	AVG	1.9 (3.5%)	-0.4 (-0.6%)
JUN	W	0.8 (1.5%)	-0.6 (-1.1%)
	AN	0.6 (1.1%)	-0.8 (-1.4%)
	BN	1.4 (2.5%)	-0.3 (-0.5%)
	D	1.9 (3.5%)	0 (-0.1%)
	C	2.2 (4%)	0.2 (0.4%)
	AVG	1.3 (2.4%)	-0.3 (-0.6%)
JUL	W	1.2 (2.2%)	0.2 (0.4%)
	AN	1.8 (3.3%)	0.4 (0.7%)
	BN	2.2 (4%)	0.5 (0.9%)
	D	3.1 (5.6%)	0.7 (1.2%)
	C	5.2 (9%)	0.2 (0.4%)
	AVG	2.5 (4.4%)	0.4 (0.7%)

Alternative 2A: Sacramento River at Bend Bridge			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
AUG	W	2.9 (5.1%)	0.3 (0.5%)
	AN	2.6 (4.6%)	0.6 (1.1%)
	BN	3.3 (5.8%)	0.6 (1%)
	D	4 (7%)	0.9 (1.5%)
	C	7.5 (12.5%)	0.4 (0.6%)
	AVG	3.8 (6.7%)	0.5 (0.9%)
SEP	W	1.4 (2.5%)	0.2 (0.3%)
	AN	1.7 (2.9%)	0.4 (0.8%)
	BN	3.9 (6.8%)	1 (1.7%)
	D	4.9 (8.4%)	0 (0%)
	C	5.5 (8.9%)	0.2 (0.3%)
	AVG	3.2 (5.6%)	0.3 (0.5%)
OCT	W	3 (5.5%)	0.2 (0.3%)
	AN	2.8 (5.1%)	0.2 (0.3%)
	BN	3.2 (5.9%)	0.3 (0.5%)
	D	3.3 (6.1%)	0.2 (0.4%)
	C	3.3 (5.9%)	-0.1 (-0.1%)
	AVG	3.1 (5.7%)	0.2 (0.3%)
NOV	W	2.2 (4.3%)	-0.1 (-0.3%)
	AN	2.2 (4.3%)	-0.1 (-0.2%)
	BN	2.3 (4.6%)	-0.2 (-0.4%)
	D	2.2 (4.3%)	-0.1 (-0.1%)
	C	2.3 (4.4%)	-0.1 (-0.2%)
	AVG	2.2 (4.4%)	-0.1 (-0.2%)
DEC	W	1.1 (2.4%)	-0.1 (-0.1%)
	AN	1.8 (3.8%)	-0.1 (-0.1%)
	BN	2.1 (4.4%)	0.1 (0.2%)
	D	1.9 (4.1%)	0 (-0.1%)
	C	2.2 (4.6%)	0.2 (0.4%)
	AVG	1.7 (3.7%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.2.4 Sacramento River at Red Bluff Diversion Dam

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 2A Model Scenarios in the Sacramento River at Red Bluff Diversion Dam, Year-Round

Alternative 2A: Sacramento River at Red Bluff Diversion Dam				
Month	**WTY**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
JAN	W	45	46	46
	AN	45	47	47
	BN	44	46	46
	D	44	46	46
	C	44	47	47
	AVG	45	46	46
FEB	W	46	47	47
	AN	46	48	48
	BN	46	48	48
	D	46	48	48
	C	47	49	49
	AVG	46	48	48
MAR	W	48	50	50
	AN	49	51	51
	BN	49	51	51
	D	50	52	52
	C	51	53	52
	AVG	49	51	51
APR	W	52	54	54
	AN	53	55	55
	BN	54	55	55
	D	54	55	55
	C	53	55	55
	AVG	53	55	55
MAY	W	55	58	58
	AN	56	58	58
	BN	56	58	58
	D	56	58	57
	C	57	59	59
	AVG	56	58	58
JUN	W	57	59	58
	AN	57	58	57
	BN	57	58	58
	D	57	59	59
	C	58	60	60
	AVG	57	59	58
JUL	W	58	59	59
	AN	57	59	59
	BN	57	59	60
	D	57	60	61
	C	60	64	65
	AVG	58	60	60

Alternative 2A: Sacramento River at Red Bluff Diversion Dam				
Month	**WTY**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
AUG	W	58	61	61
	AN	59	61	61
	BN	58	61	61
	D	59	62	63
	C	61	68	69
	AVG	59	62	63
SEP	W	58	59	59
	AN	59	60	61
	BN	59	62	63
	D	59	64	64
	C	63	68	68
	AVG	59	62	62
OCT	W	55	57	58
	AN	55	57	58
	BN	55	58	58
	D	55	59	59
	C	56	60	60
	AVG	55	58	58
NOV	W	50	53	53
	AN	50	53	53
	BN	51	53	53
	D	51	53	53
	C	52	54	54
	AVG	51	53	53
DEC	W	46	48	48
	AN	46	48	48
	BN	46	48	48
	D	46	48	48
	C	46	48	48
	AVG	46	48	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Red Bluff Diversion Dam, Year-Round

Alternative 2A: Sacramento River at Red Bluff Diversion Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
JAN	W	1.5 (3.3%)	0 (0%)
	AN	1.6 (3.5%)	0 (0%)
	BN	1.8 (4%)	0 (0%)
	D	1.9 (4.2%)	-0.1 (-0.2%)
	C	2.2 (5%)	-0.1 (-0.2%)
	AVG	1.7 (3.9%)	0 (-0.1%)
FEB	W	1.6 (3.5%)	0 (0%)
	AN	1.7 (3.6%)	0 (0%)
	BN	1.7 (3.8%)	0 (-0.1%)
	D	1.9 (4.1%)	0 (-0.1%)
	C	2.1 (4.4%)	0 (0%)
	AVG	1.8 (3.8%)	0 (0%)
MAR	W	1.5 (3.1%)	0 (0%)
	AN	1.6 (3.2%)	0 (0%)
	BN	1.8 (3.7%)	0.1 (0.1%)
	D	1.7 (3.3%)	-0.1 (-0.2%)
	C	1.7 (3.3%)	-0.2 (-0.4%)
	AVG	1.6 (3.3%)	0 (-0.1%)
APR	W	1.8 (3.5%)	0 (0%)
	AN	1.9 (3.5%)	-0.1 (-0.2%)
	BN	1.8 (3.3%)	-0.1 (-0.2%)
	D	1.8 (3.3%)	-0.2 (-0.3%)
	C	2.1 (3.9%)	0 (0.1%)
	AVG	1.8 (3.5%)	-0.1 (-0.1%)
MAY	W	2.7 (4.8%)	-0.4 (-0.7%)
	AN	1.2 (2.1%)	-0.6 (-1%)
	BN	1.9 (3.4%)	-0.4 (-0.7%)
	D	1.3 (2.4%)	-0.6 (-1%)
	C	2.1 (3.7%)	0.1 (0.2%)
	AVG	1.9 (3.5%)	-0.4 (-0.7%)
JUN	W	1 (1.7%)	-0.7 (-1.1%)
	AN	0.7 (1.2%)	-0.9 (-1.5%)
	BN	1.4 (2.6%)	-0.3 (-0.6%)
	D	2 (3.4%)	-0.1 (-0.2%)
	C	2.2 (3.8%)	0.2 (0.3%)
	AVG	1.4 (2.5%)	-0.4 (-0.7%)
JUL	W	1.3 (2.3%)	0.2 (0.3%)
	AN	1.9 (3.3%)	0.4 (0.6%)
	BN	2.3 (4.1%)	0.5 (0.8%)
	D	3.2 (5.5%)	0.7 (1.2%)
	C	5.1 (8.6%)	0.3 (0.4%)
	AVG	2.5 (4.4%)	0.4 (0.7%)

Alternative 2A: Sacramento River at Red Bluff Diversion Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
AUG	W	3.1 (5.3%)	0.3 (0.5%)
	AN	2.7 (4.6%)	0.7 (1.1%)
	BN	3.4 (5.8%)	0.6 (0.9%)
	D	4.1 (7%)	1 (1.6%)
	C	7.3 (12%)	0.4 (0.5%)
	AVG	3.9 (6.6%)	0.6 (0.9%)
SEP	W	1.4 (2.3%)	0.2 (0.3%)
	AN	1.6 (2.7%)	0.5 (0.8%)
	BN	4.1 (6.9%)	1 (1.7%)
	D	5 (8.4%)	0 (-0.1%)
	C	5.4 (8.7%)	0.2 (0.3%)
	AVG	3.2 (5.5%)	0.3 (0.5%)
OCT	W	3 (5.4%)	0.2 (0.3%)
	AN	2.8 (5%)	0.2 (0.3%)
	BN	3.2 (5.9%)	0.3 (0.5%)
	D	3.3 (5.9%)	0.2 (0.3%)
	C	3.3 (5.8%)	-0.1 (-0.1%)
	AVG	3.1 (5.6%)	0.2 (0.3%)
NOV	W	2.2 (4.4%)	-0.1 (-0.3%)
	AN	2.2 (4.4%)	-0.1 (-0.2%)
	BN	2.4 (4.7%)	-0.2 (-0.4%)
	D	2.3 (4.4%)	-0.1 (-0.1%)
	C	2.4 (4.5%)	-0.1 (-0.2%)
	AVG	2.3 (4.5%)	-0.1 (-0.2%)
DEC	W	1.2 (2.6%)	-0.1 (-0.1%)
	AN	1.8 (4%)	-0.1 (-0.1%)
	BN	2.1 (4.6%)	0.1 (0.2%)
	D	2 (4.3%)	0 (0%)
	C	2.2 (4.9%)	0.2 (0.4%)
	AVG	1.8 (3.8%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.2.5 Sacramento River at Hamilton City

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 2A Model Scenarios in the Sacramento River at Hamilton City, Year-Round

Alternative 2A: Sacramento River at Hamilton City				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
JAN	W	45	47	47
	AN	45	47	47
	BN	44	46	46
	D	44	46	46
	C	44	47	47
	AVG	45	47	47
FEB	W	46	48	48
	AN	47	48	48
	BN	46	48	48
	D	47	49	49
	C	48	50	50
	AVG	47	49	49
MAR	W	49	51	51
	AN	51	52	52
	BN	51	53	53
	D	52	54	53
	C	52	54	54
	AVG	51	52	52
APR	W	54	55	55
	AN	55	57	57
	BN	56	58	58
	D	56	58	58
	C	56	58	58
	AVG	55	57	57
MAY	W	58	62	61
	AN	60	62	61
	BN	59	62	61
	D	59	61	60
	C	60	62	62
	AVG	59	62	61
JUN	W	61	63	62
	AN	61	62	61
	BN	60	62	62
	D	60	63	62
	C	61	63	63
	AVG	61	63	62
JUL	W	62	63	63
	AN	61	63	63
	BN	61	63	64
	D	61	64	64
	C	63	68	68
	AVG	62	64	64

Alternative 2A: Sacramento River at Hamilton City				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
AUG	W	62	65	65
	AN	62	64	65
	BN	62	65	65
	D	62	65	67
	C	65	71	72
	AVG	62	66	67
SEP	W	60	61	61
	AN	62	63	63
	BN	62	65	66
	D	62	67	67
	C	64	69	69
	AVG	62	65	65
OCT	W	55	58	58
	AN	56	58	58
	BN	56	59	59
	D	56	59	59
	C	57	60	60
	AVG	56	59	59
NOV	W	50	53	52
	AN	50	53	53
	BN	50	53	53
	D	51	53	53
	C	52	54	54
	AVG	51	53	53
DEC	W	46	47	47
	AN	46	48	48
	BN	45	48	48
	D	45	48	48
	C	45	48	48
	AVG	46	47	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Hamilton City, Year-Round

Alternative 2A: Sacramento River at Hamilton City			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
JAN	W	1.6 (3.6%)	0 (0%)
	AN	1.7 (3.9%)	0 (0%)
	BN	1.9 (4.4%)	0 (0%)
	D	2.1 (4.7%)	-0.1 (-0.1%)
	C	2.4 (5.4%)	-0.1 (-0.2%)
	AVG	1.9 (4.3%)	0 (-0.1%)
FEB	W	1.7 (3.6%)	0 (0%)
	AN	1.7 (3.7%)	0 (0%)
	BN	1.8 (4%)	0 (-0.1%)
	D	2.1 (4.4%)	0 (-0.1%)
	C	2.3 (4.7%)	0 (0%)
	AVG	1.9 (4%)	0 (0%)
MAR	W	1.5 (3.1%)	0 (0%)
	AN	1.7 (3.3%)	0 (0%)
	BN	1.9 (3.8%)	0 (0.1%)
	D	1.7 (3.4%)	-0.1 (-0.2%)
	C	1.7 (3.3%)	-0.2 (-0.3%)
	AVG	1.7 (3.3%)	0 (-0.1%)
APR	W	1.9 (3.5%)	0 (0%)
	AN	2 (3.6%)	-0.1 (-0.2%)
	BN	1.9 (3.3%)	-0.2 (-0.3%)
	D	1.9 (3.4%)	-0.2 (-0.3%)
	C	2.1 (3.8%)	0 (0%)
	AVG	1.9 (3.5%)	-0.1 (-0.1%)
MAY	W	2.9 (4.9%)	-0.4 (-0.6%)
	AN	1.3 (2.2%)	-0.7 (-1.1%)
	BN	2 (3.3%)	-0.5 (-0.9%)
	D	1.4 (2.3%)	-0.7 (-1.1%)
	C	2.1 (3.4%)	0 (0.1%)
	AVG	2 (3.5%)	-0.5 (-0.7%)
JUN	W	1.1 (1.8%)	-0.8 (-1.3%)
	AN	0.7 (1.1%)	-1 (-1.7%)
	BN	1.6 (2.6%)	-0.4 (-0.7%)
	D	2 (3.2%)	-0.2 (-0.3%)
	C	2.2 (3.6%)	0.1 (0.2%)
	AVG	1.5 (2.4%)	-0.5 (-0.8%)
JUL	W	1.5 (2.4%)	0.2 (0.3%)
	AN	2 (3.3%)	0.4 (0.6%)
	BN	2.5 (4.2%)	0.5 (0.8%)
	D	3.3 (5.4%)	0.8 (1.3%)
	C	5.1 (8.2%)	0.3 (0.5%)
	AVG	2.7 (4.3%)	0.4 (0.7%)

Alternative 2A: Sacramento River at Hamilton City			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
AUG	W	3.5 (5.7%)	0.3 (0.4%)
	AN	2.9 (4.6%)	0.7 (1.1%)
	BN	3.6 (5.8%)	0.6 (0.9%)
	D	4.4 (7.1%)	1.2 (1.9%)
	C	7 (10.8%)	0.4 (0.5%)
	AVG	4.1 (6.6%)	0.6 (0.9%)
SEP	W	1.2 (2%)	0.1 (0.2%)
	AN	1.3 (2.1%)	0.5 (0.8%)
	BN	4.2 (6.8%)	1 (1.6%)
	D	5 (8.1%)	-0.1 (-0.2%)
	C	5 (7.8%)	0 (0%)
	AVG	3.1 (5%)	0.3 (0.4%)
OCT	W	2.9 (5.2%)	0.1 (0.2%)
	AN	2.7 (4.9%)	0.1 (0.1%)
	BN	3.2 (5.7%)	0.3 (0.5%)
	D	3.1 (5.4%)	0.1 (0.2%)
	C	3.2 (5.6%)	-0.1 (-0.1%)
	AVG	3 (5.3%)	0.1 (0.2%)
NOV	W	2.3 (4.6%)	-0.1 (-0.2%)
	AN	2.4 (4.7%)	-0.1 (-0.1%)
	BN	2.5 (4.9%)	-0.2 (-0.3%)
	D	2.4 (4.6%)	-0.1 (-0.1%)
	C	2.5 (4.9%)	-0.1 (-0.2%)
	AVG	2.4 (4.7%)	-0.1 (-0.2%)
DEC	W	1.4 (3%)	-0.1 (-0.1%)
	AN	2 (4.4%)	0 (-0.1%)
	BN	2.3 (5%)	0.1 (0.3%)
	D	2.2 (4.7%)	0 (0%)
	C	2.4 (5.3%)	0.2 (0.4%)
	AVG	1.9 (4.3%)	0 (0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.2.6 Trinity River below Lewiston Reservoir

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 2A Model Scenarios in the Trinity River below Lewiston Reservoir, Year-Round

Alternative 2A: Trinity River below Lewiston Reservoir				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
JAN	W	41	43	43
	AN	38	41	41
	BN	39	41	41
	D	39	41	42
	C	39	42	42
	AVG	39	42	42
FEB	W	43	45	45
	AN	43	45	45
	BN	42	44	44
	D	42	45	45
	C	43	45	46
	AVG	43	45	45
MAR	W	46	48	48
	AN	47	49	49
	BN	47	48	49
	D	48	50	50
	C	48	50	50
	AVG	47	49	49
APR	W	49	51	51
	AN	50	52	52
	BN	51	53	53
	D	51	53	53
	C	50	52	52
	AVG	50	52	52
MAY	W	46	48	48
	AN	46	48	48
	BN	46	49	49
	D	47	49	49
	C	49	52	52
	AVG	47	49	49
JUN	W	48	51	50
	AN	51	52	52
	BN	52	53	53
	D	52	54	54
	C	56	59	59
	AVG	51	53	53
JUL	W	51	55	53
	AN	52	54	53
	BN	52	55	54
	D	51	54	53
	C	53	60	61
	AVG	51	55	54

Alternative 2A: Trinity River below Lewiston Reservoir				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
AUG	W	52	54	54
	AN	51	53	53
	BN	52	55	55
	D	50	54	55
	C	54	63	64
	AVG	52	56	56
SEP	W	49	51	51
	AN	50	51	52
	BN	51	55	55
	D	50	56	57
	C	57	62	63
	AVG	51	54	55
OCT	W	48	51	51
	AN	49	52	52
	BN	50	53	53
	D	50	52	52
	C	51	56	55
	AVG	49	52	52
NOV	W	44	47	47
	AN	45	47	47
	BN	45	47	48
	D	44	47	47
	C	46	48	48
	AVG	45	47	47
DEC	W	41	43	43
	AN	39	43	43
	BN	40	42	42
	D	40	42	42
	C	39	41	41
	AVG	40	42	42

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River below Lewiston Reservoir, Year-Round

Alternative 2A: Trinity River below Lewiston Reservoir			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
JAN	W	1.9 (4.7%)	-0.1 (-0.3%)
	AN	2.3 (6.1%)	-0.1 (-0.2%)
	BN	1.7 (4.5%)	-0.3 (-0.8%)
	D	2.9 (7.4%)	0.2 (0.4%)
	C	2.5 (6.2%)	0.1 (0.3%)
	AVG	2.2 (5.7%)	0 (-0.1%)
FEB	W	2.3 (5.5%)	0 (-0.1%)
	AN	2.2 (5.2%)	0 (-0.1%)
	BN	2.2 (5.1%)	0 (0%)
	D	2.3 (5.4%)	0 (0.1%)
	C	2.4 (5.5%)	0.2 (0.4%)
	AVG	2.3 (5.4%)	0 (0%)
MAR	W	2 (4.3%)	0 (0%)
	AN	1.7 (3.6%)	0 (0%)
	BN	2.1 (4.5%)	0.3 (0.6%)
	D	1.5 (3%)	0 (-0.1%)
	C	2.1 (4.4%)	0 (0%)
	AVG	1.9 (3.9%)	0 (0.1%)
APR	W	1.8 (3.7%)	0.3 (0.7%)
	AN	2.3 (4.7%)	0.4 (0.7%)
	BN	2.5 (4.9%)	0 (-0.1%)
	D	2.3 (4.6%)	0.1 (0.1%)
	C	2.2 (4.3%)	0 (0.1%)
	AVG	2.2 (4.3%)	0.2 (0.3%)
MAY	W	2.5 (5.4%)	0 (0.1%)
	AN	2.3 (5%)	0 (0%)
	BN	2.2 (4.8%)	0 (0%)
	D	2.5 (5.4%)	0 (-0.1%)
	C	3.2 (6.6%)	0.1 (0.1%)
	AVG	2.5 (5.4%)	0 (0%)
JUN	W	2.1 (4.3%)	-0.2 (-0.3%)
	AN	1.1 (2.2%)	0 (0%)
	BN	1.8 (3.4%)	-0.1 (-0.1%)
	D	2.3 (4.3%)	0 (0%)
	C	3 (5.4%)	-0.7 (-1.2%)
	AVG	2.1 (4%)	-0.2 (-0.3%)
JUL	W	2.4 (4.7%)	-1.4 (-2.6%)
	AN	1 (1.9%)	-1.1 (-2%)
	BN	2.4 (4.7%)	-0.8 (-1.4%)
	D	2.5 (5%)	-0.1 (-0.2%)
	C	8.1 (15.4%)	1.3 (2.1%)
	AVG	3.1 (6%)	-0.6 (-1%)

Alternative 2A: Trinity River below Lewiston Reservoir			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
AUG	W	1.6 (3%)	-0.5 (-0.9%)
	AN	2.2 (4.2%)	-0.1 (-0.1%)
	BN	3 (5.8%)	0.1 (0.1%)
	D	5.3 (10.6%)	1.3 (2.3%)
	C	10.1 (18.7%)	0.7 (1.1%)
	AVG	4 (7.7%)	0.2 (0.4%)
SEP	W	2.1 (4.2%)	0.1 (0.3%)
	AN	2.1 (4.2%)	0.3 (0.7%)
	BN	3.8 (7.5%)	0.3 (0.6%)
	D	6.4 (12.9%)	0.6 (1.1%)
	C	6 (10.6%)	0.3 (0.5%)
	AVG	3.9 (7.7%)	0.3 (0.6%)
OCT	W	2.9 (6.1%)	-0.3 (-0.6%)
	AN	2.5 (5.1%)	0.2 (0.3%)
	BN	3.1 (6.2%)	0.2 (0.4%)
	D	2.8 (5.6%)	0.6 (1.1%)
	C	4 (7.7%)	-0.5 (-0.8%)
	AVG	3 (6.1%)	0 (0%)
NOV	W	2.7 (6%)	0.1 (0.1%)
	AN	2.4 (5.3%)	0.1 (0.3%)
	BN	2.9 (6.6%)	0.4 (0.8%)
	D	2.8 (6.3%)	0.1 (0.1%)
	C	2 (4.4%)	0 (-0.1%)
	AVG	2.6 (5.8%)	0.1 (0.2%)
DEC	W	1.9 (4.6%)	-0.2 (-0.4%)
	AN	3.4 (8.7%)	-0.2 (-0.4%)
	BN	2.5 (6.4%)	0 (0.1%)
	D	1.9 (4.8%)	0.1 (0.2%)
	C	1.7 (4.4%)	0 (-0.1%)
	AVG	2.2 (5.4%)	-0.1 (-0.2%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.2.7 Trinity River at Douglas City

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 2A Model Scenarios in the Trinity River at Douglas City, Year-Round

Alternative 2A: Trinity River at Douglas City				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
JAN	W	40	42	42
	AN	39	40	40
	BN	38	40	40
	D	38	40	40
	C	39	41	41
	AVG	39	41	41
FEB	W	43	45	45
	AN	43	45	45
	BN	42	44	44
	D	43	44	44
	C	43	45	45
	AVG	43	45	45
MAR	W	46	47	47
	AN	47	48	48
	BN	47	48	48
	D	48	49	49
	C	48	49	49
	AVG	47	48	48
APR	W	51	52	52
	AN	52	53	53
	BN	52	54	54
	D	53	54	54
	C	52	54	54
	AVG	52	53	53
MAY	W	48	50	50
	AN	48	50	50
	BN	49	51	51
	D	49	51	51
	C	52	55	55
	AVG	49	51	51
JUN	W	51	54	53
	AN	54	55	55
	BN	55	57	57
	D	57	59	59
	C	60	63	63
	AVG	55	57	57
JUL	W	57	61	60
	AN	58	60	59
	BN	59	62	61
	D	59	62	62
	C	62	67	67
	AVG	59	62	62

Alternative 2A: Trinity River at Douglas City				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
AUG	W	60	62	62
	AN	59	61	61
	BN	60	63	63
	D	58	62	63
	C	61	67	68
	AVG	60	63	63
SEP	W	55	57	57
	AN	55	57	57
	BN	56	59	60
	D	55	60	60
	C	59	64	65
	AVG	56	59	59
OCT	W	50	53	53
	AN	51	53	53
	BN	52	54	54
	D	51	53	53
	C	53	56	55
	AVG	51	54	54
NOV	W	44	46	46
	AN	45	47	47
	BN	45	47	47
	D	44	46	46
	C	46	47	47
	AVG	44	47	47
DEC	W	41	43	43
	AN	40	42	42
	BN	39	42	42
	D	40	42	42
	C	39	41	41
	AVG	40	42	42

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River at Douglas City, Year-Round

Alternative 2A: Trinity River at Douglas City			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
JAN	W	1.5 (3.6%)	-0.1 (-0.3%)
	AN	1.6 (4.1%)	0 (-0.1%)
	BN	1.3 (3.5%)	-0.2 (-0.4%)
	D	2.2 (5.9%)	0.1 (0.2%)
	C	2.2 (5.6%)	0.1 (0.3%)
	AVG	1.7 (4.4%)	0 (-0.1%)
FEB	W	1.6 (3.6%)	0 (-0.1%)
	AN	1.5 (3.5%)	0 (0%)
	BN	1.6 (3.8%)	0 (0%)
	D	1.6 (3.7%)	0 (0%)
	C	1.8 (4.1%)	-0.1 (-0.1%)
	AVG	1.6 (3.7%)	0 (0%)
MAR	W	1.2 (2.6%)	0 (0%)
	AN	1 (2.1%)	0 (0%)
	BN	1.2 (2.6%)	0.1 (0.1%)
	D	1 (2.2%)	0 (0%)
	C	1.5 (3.2%)	0 (0%)
	AVG	1.2 (2.5%)	0 (0%)
APR	W	1.4 (2.7%)	0.1 (0.2%)
	AN	1.5 (3%)	0.2 (0.3%)
	BN	1.7 (3.2%)	0 (0%)
	D	1.7 (3.3%)	0 (0.1%)
	C	1.8 (3.5%)	0 (0%)
	AVG	1.6 (3.1%)	0.1 (0.1%)
MAY	W	2.4 (4.9%)	0 (0.1%)
	AN	2.2 (4.7%)	0 (0%)
	BN	2.1 (4.4%)	0 (0%)
	D	2.5 (5%)	0 (0%)
	C	3.1 (5.9%)	0.1 (0.1%)
	AVG	2.4 (5%)	0 (0%)
JUN	W	2 (3.9%)	-0.1 (-0.3%)
	AN	1 (1.8%)	0 (0%)
	BN	1.8 (3.2%)	0 (0%)
	D	2.4 (4.1%)	0 (0%)
	C	2.7 (4.6%)	-0.4 (-0.6%)
	AVG	2 (3.7%)	-0.1 (-0.2%)
JUL	W	2.8 (4.9%)	-0.9 (-1.5%)
	AN	1.5 (2.6%)	-0.7 (-1.2%)
	BN	2.2 (3.7%)	-0.5 (-0.8%)
	D	2.7 (4.5%)	0 (0%)
	C	5.5 (9%)	0.9 (1.4%)
	AVG	2.9 (5%)	-0.3 (-0.6%)

Alternative 2A: Trinity River at Douglas City			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
AUG	W	2.3 (3.8%)	-0.3 (-0.4%)
	AN	2.6 (4.4%)	0 (-0.1%)
	BN	3.1 (5.1%)	0 (0.1%)
	D	4.4 (7.5%)	0.7 (1.1%)
	C	7.3 (12%)	1.1 (1.6%)
	AVG	3.7 (6.2%)	0.2 (0.4%)
SEP	W	2.5 (4.6%)	0.1 (0.1%)
	AN	2.5 (4.6%)	0.2 (0.4%)
	BN	3.6 (6.3%)	0.2 (0.3%)
	D	5 (9.2%)	0.4 (0.6%)
	C	6 (10.3%)	0.8 (1.2%)
	AVG	3.8 (6.8%)	0.3 (0.5%)
OCT	W	2.4 (4.7%)	-0.2 (-0.3%)
	AN	2.1 (4%)	0.2 (0.3%)
	BN	2.5 (4.8%)	0.1 (0.2%)
	D	2.3 (4.4%)	0.3 (0.6%)
	C	2.8 (5.3%)	-0.3 (-0.5%)
	AVG	2.4 (4.7%)	0 (0%)
NOV	W	2.1 (4.8%)	0 (0%)
	AN	2 (4.6%)	0.1 (0.1%)
	BN	2.4 (5.4%)	0.2 (0.4%)
	D	2.2 (5.1%)	0 (0.1%)
	C	1.8 (4%)	0 (-0.1%)
	AVG	2.1 (4.8%)	0.1 (0.1%)
DEC	W	1.4 (3.4%)	0 (-0.1%)
	AN	2.3 (5.7%)	-0.1 (-0.3%)
	BN	2.1 (5.4%)	0 (0%)
	D	1.8 (4.5%)	0 (0.1%)
	C	2.1 (5.6%)	-0.1 (-0.2%)
	AVG	1.8 (4.6%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.2.8 Trinity River below North Fork

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 2A Model Scenarios in the Trinity River below North Fork, Year-Round

Alternative 2A: Trinity River below North Fork				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
JAN	W	40	41	41
	AN	38	39	39
	BN	38	39	39
	D	38	39	39
	C	38	40	40
	AVG	39	40	40
FEB	W	43	44	44
	AN	43	44	44
	BN	43	44	44
	D	43	44	44
	C	43	45	45
	AVG	43	44	44
MAR	W	46	47	47
	AN	46	47	47
	BN	46	47	47
	D	47	48	48
	C	48	49	49
	AVG	47	47	47
APR	W	53	53	53
	AN	54	54	55
	BN	54	55	55
	D	54	55	55
	C	54	55	55
	AVG	53	54	54
MAY	W	50	52	52
	AN	50	52	52
	BN	51	53	53
	D	51	54	54
	C	54	57	57
	AVG	51	53	53
JUN	W	55	57	57
	AN	58	58	58
	BN	60	61	61
	D	62	64	64
	C	63	66	66
	AVG	59	61	61
JUL	W	63	66	66
	AN	63	66	65
	BN	65	67	67
	D	65	68	68
	C	68	71	72
	AVG	65	67	67

Alternative 2A: Trinity River below North Fork				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
AUG	W	65	68	67
	AN	64	67	67
	BN	65	68	68
	D	64	67	67
	C	65	69	70
	AVG	65	68	68
SEP	W	59	62	62
	AN	59	61	61
	BN	59	62	63
	D	58	62	62
	C	61	64	64
	AVG	59	62	62
OCT	W	53	55	55
	AN	53	55	55
	BN	54	56	56
	D	53	54	55
	C	54	56	56
	AVG	53	55	55
NOV	W	44	45	45
	AN	44	46	46
	BN	44	46	46
	D	44	45	45
	C	45	47	47
	AVG	44	46	46
DEC	W	41	42	42
	AN	40	42	41
	BN	39	41	41
	D	40	41	41
	C	38	40	40
	AVG	40	41	41

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River below North Fork, Year-Round

Alternative 2A: Trinity River below North Fork			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
JAN	W	1 (2.6%)	-0.1 (-0.2%)
	AN	1 (2.7%)	0 (0%)
	BN	1 (2.6%)	-0.1 (-0.1%)
	D	1.6 (4.3%)	0 (0.1%)
	C	1.7 (4.5%)	0 (0.1%)
	AVG	1.3 (3.3%)	0 (-0.1%)
FEB	W	1 (2.4%)	0 (-0.1%)
	AN	1 (2.4%)	0 (0%)
	BN	1.1 (2.7%)	0 (0%)
	D	1.1 (2.5%)	0 (0%)
	C	1.4 (3.2%)	-0.1 (-0.1%)
	AVG	1.1 (2.6%)	0 (0%)
MAR	W	0.7 (1.6%)	0 (0%)
	AN	0.6 (1.4%)	0 (0%)
	BN	0.7 (1.6%)	0 (0%)
	D	0.7 (1.5%)	0 (0%)
	C	1.1 (2.2%)	0 (0%)
	AVG	0.8 (1.6%)	0 (0%)
APR	W	0.9 (1.6%)	0 (0.1%)
	AN	1 (1.8%)	0 (0.1%)
	BN	1.1 (2%)	0 (0%)
	D	1.2 (2.2%)	0 (0%)
	C	1.4 (2.6%)	0 (0%)
	AVG	1.1 (2%)	0 (0%)
MAY	W	2.1 (4.2%)	0 (0%)
	AN	2.1 (4.1%)	0 (0%)
	BN	1.9 (3.8%)	0 (0%)
	D	2.2 (4.3%)	0 (0%)
	C	2.7 (5%)	0 (0.1%)
	AVG	2.2 (4.3%)	0 (0%)
JUN	W	1.8 (3.2%)	-0.1 (-0.2%)
	AN	0.8 (1.3%)	0 (0%)
	BN	1.7 (2.9%)	0 (0%)
	D	2.2 (3.6%)	0 (0%)
	C	2.3 (3.6%)	-0.2 (-0.4%)
	AVG	1.8 (3.1%)	-0.1 (-0.1%)
JUL	W	2.9 (4.6%)	-0.5 (-0.8%)
	AN	1.8 (2.8%)	-0.4 (-0.7%)
	BN	1.9 (3%)	-0.3 (-0.5%)
	D	2.5 (3.9%)	0 (0%)
	C	3.7 (5.5%)	0.4 (0.5%)
	AVG	2.6 (4%)	-0.2 (-0.3%)

Alternative 2A: Trinity River below North Fork			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
AUG	W	2.4 (3.7%)	-0.1 (-0.2%)
	AN	2.6 (4.1%)	0 (0%)
	BN	2.8 (4.4%)	0 (0%)
	D	3.6 (5.6%)	0.3 (0.5%)
	C	4.6 (7%)	0.7 (1%)
	AVG	3.1 (4.8%)	0.1 (0.2%)
SEP	W	2.6 (4.4%)	0 (0.1%)
	AN	2.6 (4.4%)	0.1 (0.2%)
	BN	3.1 (5.3%)	0.1 (0.2%)
	D	3.9 (6.7%)	0.2 (0.3%)
	C	3.4 (5.6%)	0.4 (0.7%)
	AVG	3.1 (5.2%)	0.1 (0.2%)
OCT	W	1.9 (3.5%)	-0.1 (-0.2%)
	AN	1.8 (3.4%)	-0.1 (-0.1%)
	BN	2 (3.8%)	0.1 (0.1%)
	D	1.9 (3.7%)	0.1 (0.2%)
	C	2.6 (4.8%)	0 (0%)
	AVG	2 (3.8%)	0 (0%)
NOV	W	1.6 (3.7%)	0 (0%)
	AN	1.6 (3.5%)	0 (0%)
	BN	1.9 (4.3%)	0.1 (0.2%)
	D	1.7 (3.9%)	0 (0%)
	C	1.7 (3.7%)	0 (0%)
	AVG	1.7 (3.8%)	0 (0%)
DEC	W	1 (2.4%)	0.1 (0.1%)
	AN	1.5 (3.7%)	-0.1 (-0.2%)
	BN	1.7 (4.3%)	0 (0%)
	D	1.5 (3.7%)	0 (0.1%)
	C	1.9 (4.9%)	0 (0%)
	AVG	1.4 (3.6%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.2.9 Feather River at Fish Barrier Dam

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 2A Model Scenarios in the Feather River at Fish Barrier Dam, Year-Round

Alternative 2A: Feather River at Fish Barrier Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
JAN	W	48	51	51
	AN	47	50	51
	BN	48	51	51
	D	47	51	51
	C	48	51	51
	AVG	48	51	51
FEB	W	48	51	51
	AN	48	51	51
	BN	48	51	52
	D	49	52	52
	C	49	53	53
	AVG	48	51	51
MAR	W	49	51	51
	AN	49	51	51
	BN	50	53	53
	D	51	53	53
	C	51	54	54
	AVG	50	52	53
APR	W	51	52	52
	AN	51	53	53
	BN	52	54	54
	D	52	54	54
	C	52	54	54
	AVG	51	53	53
MAY	W	55	56	55
	AN	56	56	56
	BN	56	56	56
	D	56	56	56
	C	56	57	57
	AVG	55	56	56
JUN	W	57	58	57
	AN	58	58	57
	BN	58	58	58
	D	58	58	58
	C	58	59	59
	AVG	58	58	58
JUL	W	61	61	62
	AN	61	61	61
	BN	61	61	61
	D	61	61	62
	C	61	62	63
	AVG	61	61	62

Alternative 2A: Feather River at Fish Barrier Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
AUG	W	61	61	61
	AN	60	60	61
	BN	60	60	61
	D	60	62	61
	C	62	64	63
	AVG	61	61	61
SEP	W	56	55	56
	AN	56	55	56
	BN	56	57	58
	D	56	61	59
	C	58	63	62
	AVG	56	58	58
OCT	W	54	58	58
	AN	55	58	58
	BN	54	58	58
	D	54	59	60
	C	54	58	57
	AVG	54	58	58
NOV	W	52	58	58
	AN	53	58	58
	BN	53	58	58
	D	52	59	59
	C	53	58	58
	AVG	53	58	58
DEC	W	49	53	53
	AN	49	55	54
	BN	49	54	55
	D	49	54	54
	C	49	54	54
	AVG	49	54	54

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Fish Barrier Dam, Year-Round

Alternative 2A: Feather River at Fish Barrier Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
JAN	W	2.8 (5.9%)	0 (0.1%)
	AN	3.1 (6.6%)	0.1 (0.1%)
	BN	3.2 (6.6%)	0.1 (0.3%)
	D	3.6 (7.6%)	0.2 (0.4%)
	C	4 (8.4%)	0.2 (0.3%)
	AVG	3.3 (6.9%)	0.1 (0.2%)
FEB	W	2.6 (5.4%)	0 (-0.1%)
	AN	2.7 (5.5%)	0.1 (0.2%)
	BN	3.2 (6.6%)	0.2 (0.4%)
	D	3 (6.2%)	0.1 (0.2%)
	C	3.5 (7.2%)	0 (0.1%)
	AVG	2.9 (6.1%)	0.1 (0.1%)
MAR	W	2.6 (5.3%)	0.1 (0.2%)
	AN	2.3 (4.7%)	0.1 (0.2%)
	BN	3.4 (6.8%)	0.2 (0.3%)
	D	2.5 (5%)	0.2 (0.4%)
	C	3.2 (6.2%)	0 (0.1%)
	AVG	2.8 (5.5%)	0.1 (0.2%)
APR	W	1.9 (3.7%)	0 (0.1%)
	AN	1.8 (3.5%)	0.1 (0.1%)
	BN	1.8 (3.5%)	0.1 (0.2%)
	D	1.6 (3.1%)	-0.3 (-0.6%)
	C	2.5 (4.9%)	0 (0%)
	AVG	1.9 (3.7%)	0 (-0.1%)
MAY	W	0.6 (1%)	-0.1 (-0.3%)
	AN	0.1 (0.3%)	-0.4 (-0.7%)
	BN	-0.1 (-0.1%)	-0.4 (-0.7%)
	D	0.2 (0.4%)	0 (-0.1%)
	C	0.7 (1.3%)	-0.1 (-0.2%)
	AVG	0.3 (0.6%)	-0.2 (-0.3%)
JUN	W	0.1 (0.2%)	-0.3 (-0.6%)
	AN	-0.3 (-0.6%)	-0.7 (-1.2%)
	BN	-0.3 (-0.5%)	-0.5 (-0.9%)
	D	0.4 (0.8%)	-0.1 (-0.1%)
	C	0.7 (1.3%)	-0.5 (-0.8%)
	AVG	0.1 (0.2%)	-0.4 (-0.7%)
JUL	W	0.3 (0.6%)	0.2 (0.4%)
	AN	0.4 (0.6%)	0.1 (0.1%)
	BN	0.6 (1%)	0.2 (0.3%)
	D	1.2 (2%)	0.7 (1.1%)
	C	2.3 (3.8%)	0.9 (1.4%)
	AVG	0.9 (1.4%)	0.4 (0.6%)

Alternative 2A: Feather River at Fish Barrier Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
AUG	W	0.2 (0.3%)	0.5 (0.8%)
	AN	0.6 (1.1%)	0.5 (0.8%)
	BN	0.8 (1.4%)	0.3 (0.5%)
	D	1.5 (2.6%)	-0.3 (-0.5%)
	C	1.6 (2.5%)	-0.9 (-1.4%)
	AVG	0.9 (1.4%)	0.1 (0.1%)
SEP	W	-0.2 (-0.4%)	0.4 (0.7%)
	AN	0.1 (0.2%)	0.6 (1%)
	BN	2.3 (4.1%)	0.8 (1.4%)
	D	3.6 (6.5%)	-1.3 (-2.1%)
	C	4.3 (7.4%)	-1.1 (-1.8%)
	AVG	1.8 (3.2%)	-0.1 (-0.2%)
OCT	W	4.1 (7.7%)	-0.4 (-0.7%)
	AN	3.1 (5.6%)	-0.3 (-0.6%)
	BN	4.1 (7.6%)	-0.2 (-0.4%)
	D	5.9 (10.9%)	0.2 (0.3%)
	C	3 (5.6%)	-0.7 (-1.3%)
	AVG	4.2 (7.8%)	-0.3 (-0.5%)
NOV	W	5.7 (10.9%)	-0.1 (-0.2%)
	AN	4.4 (8.2%)	-0.6 (-1%)
	BN	5 (9.4%)	-0.5 (-0.8%)
	D	6.4 (12.2%)	0.1 (0.2%)
	C	5.3 (10%)	0.1 (0.1%)
	AVG	5.5 (10.4%)	-0.2 (-0.3%)
DEC	W	4.4 (9.1%)	0 (0%)
	AN	5.1 (10.4%)	-0.5 (-1%)
	BN	5.9 (12.2%)	0.4 (0.7%)
	D	5.1 (10.4%)	0 (0%)
	C	4.8 (9.7%)	0 (0%)
	AVG	5 (10.2%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.2.10 Feather River Low-Flow Channel (above Thermalito Afterbay)

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 2A Model Scenarios in the Feather River at Low-Flow Channel (above Thermalito Afterbay), Year-Round

Alternative 2A: Feather River Low-Flow Channel (above Thermalito Afterbay)				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
JAN	W	47	50	50
	AN	47	50	50
	BN	47	50	50
	D	47	50	50
	C	47	51	51
	AVG	47	50	50
FEB	W	49	51	51
	AN	49	51	52
	BN	49	52	52
	D	49	52	52
	C	50	53	53
	AVG	49	52	52
MAR	W	50	53	53
	AN	51	53	53
	BN	51	54	54
	D	52	55	55
	C	53	56	56
	AVG	51	54	54
APR	W	53	55	55
	AN	55	57	57
	BN	55	57	57
	D	55	57	57
	C	55	57	57
	AVG	55	57	57
MAY	W	59	61	61
	AN	60	62	61
	BN	60	61	61
	D	60	61	61
	C	60	62	62
	AVG	60	61	61
JUN	W	63	65	64
	AN	64	66	65
	BN	64	65	65
	D	64	66	66
	C	63	65	65
	AVG	64	65	65

Alternative 2A: Feather River Low-Flow Channel (above Thermalito Afterbay)				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
JUL	W	68	69	69
	AN	67	69	69
	BN	67	69	69
	D	67	69	69
	C	67	70	71
	AVG	67	69	69
AUG	W	66	68	68
	AN	65	67	67
	BN	66	68	68
	D	65	68	68
	C	67	70	69
	AVG	66	68	68
SEP	W	60	61	61
	AN	60	61	61
	BN	60	62	63
	D	60	65	64
	C	61	66	66
	AVG	60	63	63
OCT	W	55	60	59
	AN	57	60	60
	BN	56	60	60
	D	56	61	61
	C	56	60	59
	AVG	56	60	60
NOV	W	52	58	58
	AN	53	58	57
	BN	53	58	58
	D	53	58	58
	C	53	58	58
	AVG	53	58	58
DEC	W	48	53	53
	AN	49	54	53
	BN	48	53	53
	D	48	53	53
	C	48	53	53
	AVG	48	53	53

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Low-Flow Channel (above Thermalito Afterbay), Year-Round

Alternative 2A: Feather River Low-Flow Channel (above Thermalito Afterbay)			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
JAN	W	2.8 (6%)	0 (0.1%)
	AN	3.2 (6.7%)	0.1 (0.1%)
	BN	3.1 (6.5%)	0.1 (0.2%)
	D	3.4 (7.3%)	0.2 (0.3%)
	C	3.8 (8%)	0.1 (0.3%)
	AVG	3.2 (6.8%)	0.1 (0.2%)
FEB	W	2.6 (5.4%)	0 (-0.1%)
	AN	2.7 (5.5%)	0.1 (0.2%)
	BN	3.1 (6.3%)	0.2 (0.3%)
	D	2.9 (6%)	0.1 (0.1%)
	C	3.4 (6.8%)	0 (0.1%)
	AVG	2.9 (5.9%)	0.1 (0.1%)
MAR	W	2.6 (5.1%)	0.1 (0.1%)
	AN	2.3 (4.6%)	0.1 (0.1%)
	BN	3.1 (6.1%)	0.1 (0.2%)
	D	2.5 (4.8%)	0.1 (0.3%)
	C	3 (5.7%)	0 (0.1%)
	AVG	2.7 (5.2%)	0.1 (0.2%)
APR	W	1.9 (3.5%)	0 (0%)
	AN	2 (3.6%)	0.1 (0.1%)
	BN	1.9 (3.5%)	0.1 (0.1%)
	D	1.9 (3.4%)	-0.2 (-0.4%)
	C	2.5 (4.6%)	0 (0%)
	AVG	2 (3.7%)	0 (-0.1%)
MAY	W	1.3 (2.2%)	-0.1 (-0.2%)
	AN	1.1 (1.8%)	-0.3 (-0.4%)
	BN	0.9 (1.5%)	-0.3 (-0.4%)
	D	1.1 (1.9%)	0 (0%)
	C	1.5 (2.4%)	-0.1 (-0.2%)
	AVG	1.2 (2%)	-0.1 (-0.2%)
JUN	W	1.4 (2.2%)	-0.2 (-0.3%)
	AN	1.3 (2.1%)	-0.4 (-0.6%)
	BN	1.3 (2%)	-0.3 (-0.5%)
	D	1.8 (2.9%)	0 (0%)
	C	1.9 (2.9%)	-0.3 (-0.4%)
	AVG	1.5 (2.4%)	-0.2 (-0.4%)
JUL	W	1.7 (2.6%)	0.1 (0.2%)
	AN	1.8 (2.7%)	0.1 (0.1%)
	BN	1.9 (2.9%)	0.1 (0.2%)
	D	2.3 (3.5%)	0.4 (0.6%)
	C	3.2 (4.8%)	0.6 (0.8%)
	AVG	2.1 (3.2%)	0.2 (0.4%)

Alternative 2A: Feather River Low-Flow Channel (above Thermalito Afterbay)			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
AUG	W	1.8 (2.7%)	0.3 (0.4%)
	AN	2 (3.1%)	0.3 (0.4%)
	BN	2.2 (3.4%)	0.2 (0.3%)
	D	2.6 (4%)	-0.2 (-0.3%)
	C	2.6 (3.9%)	-0.6 (-0.8%)
	AVG	2.2 (3.3%)	0 (0.1%)
SEP	W	1.1 (1.8%)	0.3 (0.4%)
	AN	1.2 (2.1%)	0.4 (0.7%)
	BN	2.9 (4.7%)	0.6 (0.9%)
	D	3.9 (6.5%)	-0.9 (-1.5%)
	C	4.2 (6.9%)	-0.8 (-1.3%)
	AVG	2.5 (4.1%)	-0.1 (-0.2%)
OCT	W	4 (7.2%)	-0.3 (-0.6%)
	AN	3.1 (5.5%)	-0.2 (-0.4%)
	BN	4 (7.2%)	-0.1 (-0.2%)
	D	5.4 (9.7%)	0.2 (0.3%)
	C	3.2 (5.7%)	-0.6 (-0.9%)
	AVG	4.1 (7.3%)	-0.2 (-0.4%)
NOV	W	5.3 (10.1%)	-0.1 (-0.2%)
	AN	4.1 (7.8%)	-0.5 (-0.9%)
	BN	4.6 (8.8%)	-0.4 (-0.7%)
	D	5.8 (11.1%)	0.1 (0.1%)
	C	5 (9.4%)	0.1 (0.2%)
	AVG	5.1 (9.6%)	-0.1 (-0.2%)
DEC	W	4.2 (8.8%)	0 (0%)
	AN	4.7 (9.7%)	-0.4 (-0.8%)
	BN	5.4 (11.2%)	0.3 (0.6%)
	D	4.7 (9.8%)	0 (0%)
	C	4.5 (9.3%)	0 (0%)
	AVG	4.6 (9.6%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.2.11 Feather River High-Flow Channel (below Thermalito Afterbay)

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 2A Model Scenarios in the Feather River at High-Flow Channel (below Thermalito Afterbay), Year-Round

Alternative 2A: Feather River High-Flow Channel (below Thermalito Afterbay)				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
JAN	W	47	50	50
	AN	47	50	50
	BN	46	49	49
	D	46	49	49
	C	46	50	50
	AVG	47	49	49
FEB	W	49	52	51
	AN	49	52	52
	BN	49	52	53
	D	50	53	53
	C	51	54	54
	AVG	50	52	52
MAR	W	51	54	54
	AN	52	54	54
	BN	53	56	56
	D	54	57	57
	C	54	57	57
	AVG	53	55	55
APR	W	55	57	57
	AN	57	59	59
	BN	58	59	59
	D	57	60	60
	C	57	60	60
	AVG	57	59	59
MAY	W	61	63	63
	AN	63	64	64
	BN	63	65	64
	D	63	65	65
	C	63	66	65
	AVG	62	64	64
JUN	W	66	68	67
	AN	67	70	67
	BN	67	70	68
	D	68	71	70
	C	68	71	71
	AVG	67	70	68

Alternative 2A: Feather River High-Flow Channel (below Thermalito Afterbay)				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
JUL	W	70	70	71
	AN	68	69	70
	BN	68	70	71
	D	68	70	73
	C	70	74	76
	AVG	69	71	72
AUG	W	70	70	72
	AN	67	69	71
	BN	68	70	72
	D	67	71	72
	C	70	74	74
	AVG	69	71	72
SEP	W	64	63	64
	AN	64	64	65
	BN	65	68	67
	D	64	67	67
	C	64	69	69
	AVG	64	66	66
OCT	W	58	62	62
	AN	60	63	63
	BN	59	63	63
	D	58	63	63
	C	59	63	62
	AVG	59	63	63
NOV	W	53	57	57
	AN	54	58	58
	BN	53	57	57
	D	53	57	57
	C	53	57	58
	AVG	53	57	57
DEC	W	48	51	51
	AN	48	52	52
	BN	47	51	51
	D	47	51	51
	C	47	50	50
	AVG	47	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at High-Flow Channel (below Thermalito Afterbay), Year-Round

Alternative 2A: Feather River High-Flow Channel (below Thermalito Afterbay)			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
JAN	W	2.7 (5.8%)	0.1 (0.1%)
	AN	2.9 (6.2%)	0 (0%)
	BN	2.8 (6.1%)	0.1 (0.2%)
	D	3 (6.5%)	0.1 (0.3%)
	C	3.3 (7.1%)	0 (0%)
	AVG	2.9 (6.3%)	0.1 (0.1%)
FEB	W	2.5 (5.2%)	-0.1 (-0.3%)
	AN	2.9 (5.9%)	-0.2 (-0.4%)
	BN	3.1 (6.2%)	0.1 (0.2%)
	D	2.8 (5.7%)	0.1 (0.1%)
	C	3.1 (6.1%)	0 (0%)
	AVG	2.8 (5.7%)	0 (-0.1%)
MAR	W	2.4 (4.8%)	0.1 (0.3%)
	AN	1.5 (2.9%)	-0.2 (-0.3%)
	BN	3 (5.7%)	0 (0%)
	D	2.6 (4.8%)	0.1 (0.2%)
	C	3.2 (5.9%)	0.1 (0.3%)
	AVG	2.6 (4.9%)	0.1 (0.1%)
APR	W	2 (3.7%)	0 (0%)
	AN	2.4 (4.2%)	0.1 (0.2%)
	BN	1.6 (2.8%)	-0.1 (-0.2%)
	D	2.5 (4.4%)	0.1 (0.2%)
	C	2.8 (5%)	0.4 (0.6%)
	AVG	2.2 (3.9%)	0.1 (0.1%)
MAY	W	2.4 (4%)	-0.3 (-0.5%)
	AN	1.3 (2.1%)	-0.3 (-0.5%)
	BN	1.7 (2.6%)	-0.5 (-0.7%)
	D	2.1 (3.4%)	-0.2 (-0.3%)
	C	2.2 (3.5%)	-0.1 (-0.1%)
	AVG	2 (3.3%)	-0.3 (-0.4%)
JUN	W	1.1 (1.7%)	-1.5 (-2.3%)
	AN	-0.6 (-0.9%)	-3.1 (-4.5%)
	BN	0.1 (0.2%)	-2.2 (-3.2%)
	D	2.3 (3.4%)	-0.6 (-0.8%)
	C	2.9 (4.3%)	-0.1 (-0.2%)
	AVG	1.2 (1.9%)	-1.5 (-2.1%)
JUL	W	1.6 (2.3%)	1.1 (1.6%)
	AN	1.8 (2.7%)	0.5 (0.7%)
	BN	3 (4.4%)	1 (1.4%)
	D	4.8 (7.1%)	2.6 (3.6%)
	C	6.1 (8.8%)	1.9 (2.5%)
	AVG	3.3 (4.7%)	1.4 (2%)

Alternative 2A: Feather River High-Flow Channel (below Thermalito Afterbay)			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
AUG	W	2 (2.9%)	1.4 (1.9%)
	AN	3.4 (5%)	1.6 (2.3%)
	BN	3.5 (5.2%)	1.4 (2%)
	D	5.2 (7.7%)	1.3 (1.8%)
	C	4.1 (5.9%)	0 (0.1%)
	AVG	3.5 (5.1%)	1.2 (1.7%)
SEP	W	0.2 (0.3%)	0.9 (1.4%)
	AN	1.2 (1.9%)	1.7 (2.6%)
	BN	1.9 (3%)	-1 (-1.4%)
	D	2.6 (4%)	0.1 (0.1%)
	C	4.7 (7.4%)	-0.2 (-0.2%)
	AVG	1.8 (2.9%)	0.3 (0.5%)
OCT	W	3.8 (6.6%)	-0.1 (-0.2%)
	AN	3.1 (5.3%)	-0.3 (-0.4%)
	BN	3.7 (6.2%)	0.1 (0.1%)
	D	4.4 (7.5%)	0.1 (0.2%)
	C	3.6 (6.1%)	-0.2 (-0.4%)
	AVG	3.8 (6.5%)	-0.1 (-0.1%)
NOV	W	4.3 (8.1%)	0 (0%)
	AN	3.8 (7%)	-0.2 (-0.4%)
	BN	4 (7.5%)	-0.1 (-0.3%)
	D	4.7 (8.9%)	0 (0%)
	C	4.2 (7.8%)	0.1 (0.2%)
	AVG	4.2 (8%)	0 (-0.1%)
DEC	W	3.5 (7.4%)	0 (0.1%)
	AN	4.2 (8.8%)	-0.3 (-0.6%)
	BN	4.5 (9.6%)	0.3 (0.5%)
	D	3.9 (8.4%)	-0.2 (-0.3%)
	C	3.8 (8.1%)	-0.1 (-0.1%)
	AVG	3.9 (8.3%)	0 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.2.12 Feather River at Gridley Dam

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 2A Model Scenarios in the Feather River at Gridley Dam, Year-Round

Alternative 2A: Feather River at Gridley Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
JAN	W	47	50	50
	AN	47	49	49
	BN	46	49	49
	D	46	48	48
	C	46	49	49
	AVG	46	49	49
FEB	W	49	52	52
	AN	49	52	52
	BN	50	53	53
	D	50	53	53
	C	51	54	54
	AVG	50	53	53
MAR	W	51	54	54
	AN	53	54	54
	BN	54	57	57
	D	55	57	57
	C	54	57	57
	AVG	53	56	56
APR	W	56	58	58
	AN	58	60	60
	BN	59	61	60
	D	59	61	61
	C	58	61	61
	AVG	58	60	60
MAY	W	61	64	64
	AN	64	66	65
	BN	64	66	65
	D	64	66	66
	C	64	67	67
	AVG	63	66	65
JUN	W	67	69	68
	AN	69	71	68
	BN	69	71	69
	D	69	72	72
	C	69	72	72
	AVG	68	71	69
JUL	W	70	71	72
	AN	69	70	71
	BN	69	71	72
	D	69	71	74
	C	71	75	77
	AVG	70	72	73

Alternative 2A: Feather River at Gridley Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
AUG	W	71	71	73
	AN	68	70	72
	BN	69	71	73
	D	68	72	73
	C	71	75	75
	AVG	69	72	73
SEP	W	65	64	65
	AN	65	64	66
	BN	66	69	69
	D	65	68	68
	C	66	70	70
	AVG	65	67	67
OCT	W	59	63	63
	AN	60	63	63
	BN	60	63	63
	D	59	63	63
	C	59	63	63
	AVG	59	63	63
NOV	W	53	57	57
	AN	54	58	57
	BN	53	57	57
	D	53	57	57
	C	54	57	58
	AVG	53	57	57
DEC	W	48	51	51
	AN	47	52	52
	BN	47	51	51
	D	47	51	50
	C	46	50	50
	AVG	47	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Gridley Dam, Year-Round

Alternative 2A: Feather River at Gridley Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
JAN	W	2.7 (5.8%)	0.1 (0.1%)
	AN	2.9 (6.2%)	-0.1 (-0.1%)
	BN	2.8 (6.1%)	0.1 (0.2%)
	D	3 (6.5%)	0.1 (0.3%)
	C	3.3 (7%)	0 (0%)
	AVG	2.9 (6.2%)	0.1 (0.1%)
FEB	W	2.5 (5.1%)	-0.1 (-0.3%)
	AN	2.9 (5.9%)	-0.2 (-0.4%)
	BN	3.1 (6.2%)	0.1 (0.1%)
	D	2.8 (5.6%)	0 (0.1%)
	C	3.1 (6%)	0 (0%)
	AVG	2.8 (5.7%)	-0.1 (-0.1%)
MAR	W	2.4 (4.7%)	0.1 (0.2%)
	AN	1.6 (2.9%)	-0.2 (-0.3%)
	BN	3 (5.7%)	0 (0.1%)
	D	2.6 (4.7%)	0.1 (0.1%)
	C	3 (5.5%)	0.1 (0.2%)
	AVG	2.5 (4.7%)	0.1 (0.1%)
APR	W	2 (3.6%)	0 (0%)
	AN	2.4 (4.1%)	0.1 (0.2%)
	BN	1.7 (2.8%)	-0.2 (-0.3%)
	D	2.2 (3.8%)	-0.1 (-0.2%)
	C	2.6 (4.5%)	0.2 (0.3%)
	AVG	2.1 (3.7%)	0 (0%)
MAY	W	2.6 (4.3%)	-0.4 (-0.6%)
	AN	1.3 (2.1%)	-0.5 (-0.8%)
	BN	1.4 (2.2%)	-0.7 (-1%)
	D	2 (3.1%)	-0.2 (-0.3%)
	C	2.2 (3.5%)	-0.1 (-0.1%)
	AVG	2 (3.2%)	-0.4 (-0.5%)
JUN	W	1.2 (1.7%)	-1.6 (-2.3%)
	AN	-0.8 (-1.1%)	-3.3 (-4.6%)
	BN	0 (0%)	-2.3 (-3.3%)
	D	2.3 (3.4%)	-0.6 (-0.8%)
	C	2.9 (4.3%)	-0.1 (-0.2%)
	AVG	1.2 (1.8%)	-1.5 (-2.1%)
JUL	W	1.8 (2.5%)	1.1 (1.6%)
	AN	2 (2.9%)	0.4 (0.6%)
	BN	3.2 (4.6%)	1 (1.4%)
	D	5.1 (7.5%)	2.7 (3.8%)
	C	6.3 (8.9%)	1.9 (2.5%)
	AVG	3.5 (5%)	1.5 (2.1%)

Alternative 2A: Feather River at Gridley Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
AUG	W	2 (2.9%)	1.4 (2%)
	AN	3.5 (5.1%)	1.6 (2.4%)
	BN	3.7 (5.4%)	1.4 (2%)
	D	5.5 (8.1%)	1.2 (1.7%)
	C	4.1 (5.8%)	0 (-0.1%)
	AVG	3.6 (5.2%)	1.2 (1.7%)
SEP	W	-0.3 (-0.5%)	0.9 (1.5%)
	AN	0.9 (1.5%)	1.7 (2.7%)
	BN	2.6 (3.9%)	-0.3 (-0.4%)
	D	3.2 (4.9%)	-0.1 (-0.1%)
	C	4.5 (6.9%)	-0.2 (-0.2%)
	AVG	1.9 (2.8%)	0.4 (0.7%)
OCT	W	3.8 (6.5%)	-0.1 (-0.2%)
	AN	3 (5%)	-0.3 (-0.5%)
	BN	3.7 (6.2%)	0.1 (0.1%)
	D	4.2 (7.2%)	0.1 (0.1%)
	C	3.4 (5.8%)	-0.3 (-0.5%)
	AVG	3.7 (6.3%)	-0.1 (-0.2%)
NOV	W	4.1 (7.8%)	0 (0%)
	AN	3.7 (6.8%)	-0.2 (-0.4%)
	BN	3.9 (7.3%)	-0.1 (-0.2%)
	D	4.5 (8.5%)	0 (0%)
	C	4.1 (7.6%)	0.1 (0.2%)
	AVG	4.1 (7.7%)	0 (-0.1%)
DEC	W	3.4 (7.2%)	0 (0.1%)
	AN	4.1 (8.6%)	-0.3 (-0.5%)
	BN	4.3 (9.3%)	0.2 (0.5%)
	D	3.8 (8.2%)	-0.1 (-0.3%)
	C	3.7 (7.9%)	-0.1 (-0.1%)
	AVG	3.8 (8.1%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.2.13 Feather River at Honcut Creek

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 2A Model Scenarios in the Feather River at Honcut Creek, Year-Round

Alternative 2A: Feather River at Honcut Creek				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
JAN	W	47	50	50
	AN	46	49	49
	BN	46	49	49
	D	45	48	48
	C	46	49	49
	AVG	46	49	49
FEB	W	49	52	52
	AN	49	53	52
	BN	50	53	53
	D	50	53	53
	C	51	54	54
	AVG	50	53	53
MAR	W	52	54	54
	AN	53	55	54
	BN	54	57	57
	D	55	58	58
	C	55	58	58
	AVG	53	56	56
APR	W	56	58	58
	AN	59	61	61
	BN	60	62	61
	D	60	62	62
	C	59	62	62
	AVG	58	61	60
MAY	W	62	65	65
	AN	65	67	66
	BN	65	67	66
	D	65	67	67
	C	65	68	68
	AVG	64	67	66
JUN	W	67	70	68
	AN	69	72	69
	BN	69	72	69
	D	70	73	72
	C	69	73	72
	AVG	69	72	70
JUL	W	71	72	73
	AN	69	71	71
	BN	69	72	73
	D	69	72	75
	C	71	76	78
	AVG	70	72	74

Alternative 2A: Feather River at Honcut Creek				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
AUG	W	72	72	74
	AN	69	71	72
	BN	69	72	73
	D	68	73	74
	C	72	76	76
	AVG	70	73	74
SEP	W	66	64	65
	AN	66	65	67
	BN	67	69	70
	D	66	70	70
	C	66	71	71
	AVG	66	68	68
OCT	W	59	63	63
	AN	60	64	63
	BN	60	64	64
	D	59	63	63
	C	60	64	63
	AVG	60	63	63
NOV	W	53	57	57
	AN	54	58	57
	BN	53	57	57
	D	53	57	57
	C	54	57	58
	AVG	53	57	57
DEC	W	47	51	51
	AN	47	52	51
	BN	46	51	51
	D	46	50	50
	C	46	50	50
	AVG	47	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Honcut Creek, Year-Round

Alternative 2A: Feather River at Honcut Creek			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
JAN	W	2.7 (5.8%)	0 (0.1%)
	AN	2.9 (6.2%)	0 (-0.1%)
	BN	2.8 (6.1%)	0.1 (0.2%)
	D	2.9 (6.4%)	0.1 (0.2%)
	C	3.2 (7%)	0 (-0.1%)
	AVG	2.9 (6.2%)	0 (0.1%)
FEB	W	2.5 (5.2%)	-0.1 (-0.3%)
	AN	2.9 (5.9%)	-0.2 (-0.3%)
	BN	3 (6.1%)	0.1 (0.1%)
	D	2.8 (5.6%)	0 (0.1%)
	C	3 (5.9%)	0 (0%)
	AVG	2.8 (5.6%)	0 (-0.1%)
MAR	W	2.4 (4.7%)	0.1 (0.2%)
	AN	1.5 (2.9%)	-0.2 (-0.4%)
	BN	3.1 (5.7%)	0 (0.1%)
	D	2.5 (4.6%)	0 (0.1%)
	C	2.9 (5.3%)	0.1 (0.2%)
	AVG	2.5 (4.7%)	0 (0.1%)
APR	W	2 (3.6%)	0 (0%)
	AN	2.4 (4%)	0.1 (0.1%)
	BN	1.7 (2.9%)	-0.2 (-0.4%)
	D	2 (3.4%)	-0.3 (-0.4%)
	C	2.5 (4.2%)	0 (0%)
	AVG	2.1 (3.6%)	-0.1 (-0.1%)
MAY	W	2.8 (4.5%)	-0.4 (-0.6%)
	AN	1.4 (2.1%)	-0.7 (-1.1%)
	BN	1.2 (1.8%)	-0.8 (-1.2%)
	D	1.8 (2.8%)	-0.2 (-0.3%)
	C	2.3 (3.5%)	-0.1 (-0.1%)
	AVG	2 (3.2%)	-0.4 (-0.6%)
JUN	W	1.2 (1.8%)	-1.6 (-2.4%)
	AN	-0.8 (-1.2%)	-3.3 (-4.6%)
	BN	-0.1 (-0.1%)	-2.4 (-3.3%)
	D	2.4 (3.4%)	-0.6 (-0.8%)
	C	3 (4.4%)	-0.1 (-0.1%)
	AVG	1.2 (1.8%)	-1.5 (-2.1%)
JUL	W	1.9 (2.7%)	1.2 (1.6%)
	AN	2.1 (3.1%)	0.5 (0.7%)
	BN	3.3 (4.8%)	1 (1.4%)
	D	5.3 (7.7%)	2.7 (3.8%)
	C	6.4 (9%)	1.9 (2.5%)
	AVG	3.6 (5.2%)	1.5 (2.1%)

Alternative 2A: Feather River at Honcut Creek			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
AUG	W	2.1 (3%)	1.5 (2%)
	AN	3.5 (5.1%)	1.6 (2.3%)
	BN	3.9 (5.6%)	1.5 (2%)
	D	5.7 (8.4%)	1.2 (1.6%)
	C	4.1 (5.7%)	-0.2 (-0.2%)
	AVG	3.7 (5.3%)	1.2 (1.6%)
SEP	W	-0.6 (-1%)	0.9 (1.5%)
	AN	0.8 (1.2%)	1.7 (2.7%)
	BN	3.1 (4.6%)	0.2 (0.3%)
	D	3.7 (5.6%)	-0.2 (-0.3%)
	C	4.3 (6.5%)	-0.2 (-0.3%)
	AVG	1.9 (2.9%)	0.5 (0.7%)
OCT	W	3.7 (6.3%)	-0.1 (-0.2%)
	AN	2.9 (4.8%)	-0.3 (-0.5%)
	BN	3.7 (6.1%)	0 (0.1%)
	D	4.1 (6.9%)	0 (0.1%)
	C	3.5 (5.8%)	-0.3 (-0.5%)
	AVG	3.6 (6.1%)	-0.1 (-0.2%)
NOV	W	4.1 (7.7%)	0 (0%)
	AN	3.6 (6.8%)	-0.2 (-0.4%)
	BN	3.8 (7.2%)	-0.1 (-0.2%)
	D	4.4 (8.3%)	0 (0%)
	C	4 (7.4%)	0.1 (0.2%)
	AVG	4 (7.6%)	0 (-0.1%)
DEC	W	3.4 (7.1%)	0 (0.1%)
	AN	4 (8.5%)	-0.3 (-0.5%)
	BN	4.3 (9.2%)	0.2 (0.5%)
	D	3.8 (8.1%)	-0.1 (-0.2%)
	C	3.5 (7.7%)	0 (-0.1%)
	AVG	3.7 (8%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.2.14 Feather River at the Confluence with the Sacramento River

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 2A Model Scenarios in the Feather River at the Confluence with the Sacramento River, Year-Round

Alternative 2A: Feather River at the Confluence with the Sacramento River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
JAN	W	47	48	48
	AN	46	48	48
	BN	46	47	47
	D	45	47	47
	C	45	48	48
	AVG	46	48	48
FEB	W	50	52	52
	AN	50	52	52
	BN	50	51	51
	D	50	52	52
	C	51	53	53
	AVG	50	52	52
MAR	W	53	55	55
	AN	54	56	56
	BN	55	57	57
	D	55	57	57
	C	56	58	58
	AVG	55	56	56
APR	W	59	60	60
	AN	60	62	62
	BN	61	62	62
	D	62	64	64
	C	63	65	65
	AVG	61	63	62
MAY	W	65	68	67
	AN	66	69	69
	BN	67	69	69
	D	68	70	70
	C	68	71	71
	AVG	66	69	69
JUN	W	70	73	72
	AN	71	75	73
	BN	72	75	73
	D	73	77	76
	C	72	76	76
	AVG	71	75	74

Alternative 2A: Feather River at the Confluence with the Sacramento River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
JUL	W	74	76	77
	AN	72	75	75
	BN	73	76	77
	D	73	76	78
	C	75	79	80
	AVG	73	76	78
AUG	W	73	76	77
	AN	71	74	75
	BN	72	75	76
	D	72	76	77
	C	75	79	79
	AVG	73	76	77
SEP	W	71	70	71
	AN	70	70	71
	BN	70	73	74
	D	70	74	74
	C	70	74	74
	AVG	70	72	73
OCT	W	61	64	64
	AN	62	64	64
	BN	61	64	64
	D	61	64	64
	C	62	65	65
	AVG	61	64	64
NOV	W	52	55	55
	AN	53	56	56
	BN	53	55	55
	D	52	55	55
	C	53	56	56
	AVG	53	55	55
DEC	W	47	49	49
	AN	47	50	50
	BN	46	49	49
	D	46	49	48
	C	45	47	48
	AVG	46	49	49

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at the Confluence with the Sacramento River, Year-Round

Alternative 2A: Feather River at the Confluence with the Sacramento River			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
JAN	W	1.9 (4%)	0 (0%)
	AN	1.8 (4%)	0 (0%)
	BN	1.9 (4.1%)	0 (0.1%)
	D	2.2 (4.8%)	0.1 (0.2%)
	C	2.2 (4.8%)	-0.1 (-0.2%)
	AVG	2 (4.3%)	0 (0%)
FEB	W	1.9 (3.9%)	0 (0%)
	AN	1.9 (3.8%)	0 (-0.1%)
	BN	1.7 (3.4%)	0 (0%)
	D	1.9 (3.8%)	0 (0%)
	C	2.2 (4.3%)	0 (0%)
	AVG	1.9 (3.8%)	0 (0%)
MAR	W	1.8 (3.3%)	0 (0.1%)
	AN	1.2 (2.3%)	-0.1 (-0.2%)
	BN	1.9 (3.4%)	0 (0%)
	D	1.7 (3.1%)	0 (0%)
	C	2.1 (3.8%)	0.1 (0.1%)
	AVG	1.7 (3.2%)	0 (0%)
APR	W	1.6 (2.7%)	0 (0%)
	AN	1.9 (3.2%)	0 (0%)
	BN	1.4 (2.4%)	-0.2 (-0.4%)
	D	1.9 (3.1%)	-0.2 (-0.2%)
	C	2.1 (3.3%)	-0.1 (-0.2%)
	AVG	1.8 (2.9%)	-0.1 (-0.1%)
MAY	W	2.9 (4.5%)	-0.1 (-0.2%)
	AN	2.5 (3.7%)	-0.5 (-0.7%)
	BN	2.1 (3.1%)	-0.5 (-0.7%)
	D	2.4 (3.5%)	-0.2 (-0.3%)
	C	2.7 (4%)	0 (0%)
	AVG	2.6 (3.8%)	-0.2 (-0.4%)
JUN	W	2.4 (3.5%)	-1.1 (-1.4%)
	AN	1.1 (1.6%)	-2.2 (-3%)
	BN	1.7 (2.3%)	-1.7 (-2.3%)
	D	3.3 (4.5%)	-0.5 (-0.6%)
	C	3.5 (4.8%)	0 (0%)
	AVG	2.5 (3.5%)	-1 (-1.4%)
JUL	W	3.6 (4.9%)	1 (1.3%)
	AN	3.1 (4.3%)	0.4 (0.6%)
	BN	3.9 (5.3%)	0.8 (1%)
	D	5.4 (7.5%)	2.1 (2.8%)
	C	5.8 (7.8%)	1.3 (1.7%)
	AVG	4.3 (5.9%)	1.2 (1.5%)

Alternative 2A: Feather River at the Confluence with the Sacramento River			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
AUG	W	3.7 (5%)	1.1 (1.5%)
	AN	3.8 (5.3%)	1.1 (1.5%)
	BN	4 (5.5%)	0.9 (1.2%)
	D	5.6 (7.9%)	0.9 (1.2%)
	C	4.2 (5.6%)	-0.1 (-0.2%)
	AVG	4.2 (5.9%)	0.9 (1.1%)
SEP	W	0.1 (0.1%)	0.8 (1.1%)
	AN	1.3 (1.8%)	1.4 (2%)
	BN	3.9 (5.6%)	1 (1.3%)
	D	4.3 (6.2%)	-0.1 (-0.1%)
	C	3.5 (5%)	-0.1 (-0.2%)
	AVG	2.4 (3.4%)	0.6 (0.8%)
OCT	W	3.1 (5.1%)	-0.1 (-0.1%)
	AN	2.4 (3.8%)	-0.2 (-0.3%)
	BN	3 (4.9%)	0.1 (0.1%)
	D	3.1 (5%)	0 (0%)
	C	3.1 (5%)	-0.2 (-0.3%)
	AVG	3 (4.9%)	-0.1 (-0.1%)
NOV	W	2.8 (5.3%)	0 (0%)
	AN	2.7 (5.1%)	-0.2 (-0.3%)
	BN	2.8 (5.2%)	-0.1 (-0.2%)
	D	2.8 (5.4%)	0 (0.1%)
	C	2.9 (5.5%)	0.1 (0.2%)
	AVG	2.8 (5.3%)	0 (0%)
DEC	W	1.9 (4.2%)	0 (0.1%)
	AN	2.7 (5.7%)	-0.2 (-0.5%)
	BN	2.9 (6.2%)	0.1 (0.2%)
	D	2.3 (5%)	-0.3 (-0.6%)
	C	2.5 (5.5%)	0.1 (0.3%)
	AVG	2.4 (5.1%)	0 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.2.15 American River below Nimbus Dam

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 2A Model Scenarios in the American River below Nimbus Dam, Year-Round

Alternative 2A: American River below Nimbus Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
JAN	W	47	50	50
	AN	47	49	50
	BN	46	49	49
	D	47	49	49
	C	47	50	50
	AVG	47	50	50
FEB	W	48	51	51
	AN	48	52	52
	BN	47	51	51
	D	49	52	52
	C	51	54	54
	AVG	48	52	52
MAR	W	52	55	55
	AN	53	56	56
	BN	53	56	56
	D	53	57	57
	C	55	58	58
	AVG	53	56	56
APR	W	56	59	59
	AN	57	60	60
	BN	57	61	61
	D	59	62	61
	C	59	63	63
	AVG	58	60	60
MAY	W	60	64	64
	AN	61	66	65
	BN	61	65	65
	D	64	67	66
	C	64	68	68
	AVG	62	66	65
JUN	W	64	67	66
	AN	65	68	67
	BN	65	68	67
	D	67	69	69
	C	68	72	72
	AVG	66	68	68
JUL	W	66	68	68
	AN	66	66	67
	BN	66	67	67
	D	67	69	70
	C	70	74	75
	AVG	67	69	69

Alternative 2A: American River below Nimbus Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
AUG	W	67	70	70
	AN	67	69	70
	BN	67	69	70
	D	67	71	72
	C	70	76	77
	AVG	67	71	71
SEP	W	65	68	68
	AN	66	69	69
	BN	66	69	69
	D	66	71	71
	C	68	73	73
	AVG	66	70	70
OCT	W	58	68	67
	AN	59	68	68
	BN	58	68	68
	D	59	67	67
	C	61	68	68
	AVG	59	68	68
NOV	W	57	61	61
	AN	57	61	61
	BN	56	61	61
	D	57	61	60
	C	58	61	61
	AVG	57	61	61
DEC	W	50	53	53
	AN	51	53	53
	BN	50	52	52
	D	50	53	53
	C	50	52	53
	AVG	50	53	53

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River below Nimbus Dam, Year-Round

Alternative 2A: American River below Nimbus Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
JAN	W	3.1 (6.7%)	0 (0.1%)
	AN	2.7 (5.8%)	0 (0.1%)
	BN	3 (6.5%)	0 (0.1%)
	D	2.8 (6%)	-0.1 (-0.2%)
	C	2.8 (6.1%)	-0.1 (-0.3%)
	AVG	2.9 (6.3%)	0 (0%)
FEB	W	3.4 (7.2%)	0 (0%)
	AN	3.8 (7.9%)	0 (0%)
	BN	3.3 (7.1%)	0.1 (0.1%)
	D	3.4 (7%)	0 (0%)
	C	3.5 (6.8%)	0.2 (0.3%)
	AVG	3.5 (7.2%)	0 (0.1%)
MAR	W	3.1 (6%)	0 (0%)
	AN	3 (5.6%)	0 (0.1%)
	BN	2.6 (5%)	0 (0.1%)
	D	3.4 (6.3%)	-0.1 (-0.1%)
	C	2.9 (5.3%)	-0.1 (-0.1%)
	AVG	3 (5.7%)	0 (0%)
APR	W	3 (5.3%)	0 (0%)
	AN	3.2 (5.5%)	0 (0%)
	BN	3.1 (5.4%)	0 (0%)
	D	2.3 (4%)	-0.2 (-0.3%)
	C	3.4 (5.7%)	0.2 (0.3%)
	AVG	2.9 (5.1%)	0 (0%)
MAY	W	4.1 (6.9%)	-0.1 (-0.1%)
	AN	4.4 (7.2%)	-0.4 (-0.6%)
	BN	3.9 (6.4%)	-0.2 (-0.3%)
	D	2.3 (3.6%)	-0.8 (-1.1%)
	C	3.8 (5.9%)	0.1 (0.2%)
	AVG	3.7 (5.9%)	-0.3 (-0.4%)
JUN	W	2.3 (3.6%)	-0.7 (-1%)
	AN	1.9 (2.9%)	-0.9 (-1.3%)
	BN	2.1 (3.3%)	-0.9 (-1.3%)
	D	1.5 (2.3%)	-0.3 (-0.5%)
	C	3.9 (5.7%)	-0.4 (-0.5%)
	AVG	2.3 (3.5%)	-0.6 (-0.9%)
JUL	W	1.6 (2.4%)	0.1 (0.1%)
	AN	0.9 (1.4%)	0.5 (0.7%)
	BN	1.6 (2.4%)	0.4 (0.6%)
	D	3 (4.5%)	0.8 (1.1%)
	C	4.8 (6.8%)	0.4 (0.5%)
	AVG	2.3 (3.4%)	0.4 (0.6%)

Alternative 2A: American River below Nimbus Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
AUG	W	3.1 (4.7%)	0 (-0.1%)
	AN	2.7 (4%)	0.6 (0.9%)
	BN	3 (4.4%)	1.1 (1.6%)
	D	4.8 (7.2%)	0.6 (0.9%)
	C	7.1 (10.1%)	0.8 (1.1%)
	AVG	4 (5.9%)	0.5 (0.7%)
SEP	W	2.8 (4.3%)	0.1 (0.2%)
	AN	3.6 (5.5%)	0.5 (0.8%)
	BN	2.9 (4.4%)	0.2 (0.3%)
	D	4.6 (7%)	-0.4 (-0.5%)
	C	5 (7.3%)	0.1 (0.2%)
	AVG	3.7 (5.5%)	0.1 (0.1%)
OCT	W	9.1 (15.6%)	-0.2 (-0.3%)
	AN	8.7 (14.7%)	0 (0%)
	BN	9.8 (16.7%)	0 (0%)
	D	8.4 (14.2%)	0.1 (0.1%)
	C	7.5 (12.3%)	0.1 (0.1%)
	AVG	8.8 (14.8%)	0 (0%)
NOV	W	3.7 (6.4%)	-0.2 (-0.3%)
	AN	3.8 (6.6%)	-0.1 (-0.1%)
	BN	4.4 (7.9%)	0.1 (0.1%)
	D	3.7 (6.6%)	-0.1 (-0.2%)
	C	3.5 (6.1%)	-0.1 (-0.1%)
	AVG	3.8 (6.7%)	-0.1 (-0.2%)
DEC	W	2.5 (5.1%)	-0.1 (-0.1%)
	AN	2.7 (5.4%)	0 (0.1%)
	BN	2.8 (5.5%)	0 (0.1%)
	D	2.6 (5.1%)	-0.1 (-0.2%)
	C	2.6 (5.2%)	0.1 (0.1%)
	AVG	2.6 (5.2%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.2.16 American River at Watt Avenue

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 2A Model Scenarios in the American River at Watt Avenue, Year-Round

Alternative 2A: American River at Watt Avenue				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
JAN	W	47	50	50
	AN	47	49	49
	BN	46	49	49
	D	46	49	49
	C	46	49	49
	AVG	46	49	49
FEB	W	48	52	52
	AN	48	52	52
	BN	48	51	51
	D	49	52	52
	C	51	54	54
	AVG	49	52	52
MAR	W	53	56	56
	AN	53	56	56
	BN	54	56	56
	D	54	57	57
	C	56	58	58
	AVG	54	56	56
APR	W	56	59	59
	AN	58	61	61
	BN	58	61	61
	D	60	63	63
	C	61	64	64
	AVG	58	61	61
MAY	W	61	65	65
	AN	62	67	67
	BN	62	67	66
	D	65	68	67
	C	66	69	69
	AVG	63	67	67
JUN	W	65	68	67
	AN	67	70	69
	BN	67	70	69
	D	69	71	71
	C	69	73	73
	AVG	67	70	69
JUL	W	68	70	70
	AN	67	68	69
	BN	67	69	69
	D	68	71	72
	C	72	76	76
	AVG	68	71	71

Alternative 2A: American River at Watt Avenue				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
AUG	W	68	72	72
	AN	69	72	72
	BN	69	72	73
	D	69	73	74
	C	71	77	77
	AVG	69	73	73
SEP	W	66	69	69
	AN	66	70	70
	BN	67	70	71
	D	67	72	72
	C	69	73	74
	AVG	67	71	71
OCT	W	59	67	67
	AN	60	67	67
	BN	59	68	68
	D	60	67	67
	C	61	68	68
	AVG	60	67	67
NOV	W	56	60	60
	AN	56	60	60
	BN	56	60	60
	D	56	59	59
	C	57	60	60
	AVG	56	60	60
DEC	W	50	52	52
	AN	50	52	52
	BN	49	51	52
	D	49	52	51
	C	49	51	51
	AVG	49	52	52

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River at Watt Avenue, Year-Round

Alternative 2A: American River at Watt Avenue			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
JAN	W	3.1 (6.7%)	0 (0.1%)
	AN	2.7 (5.8%)	0 (0.1%)
	BN	2.9 (6.4%)	0 (0%)
	D	2.7 (5.8%)	-0.1 (-0.2%)
	C	2.8 (6.1%)	-0.1 (-0.2%)
	AVG	2.9 (6.2%)	0 (0%)
FEB	W	3.4 (7.1%)	0 (0%)
	AN	3.7 (7.7%)	0 (0%)
	BN	3.2 (6.7%)	0 (0.1%)
	D	3.2 (6.5%)	0 (0%)
	C	3.4 (6.6%)	0.1 (0.2%)
	AVG	3.4 (6.9%)	0 (0%)
MAR	W	3 (5.7%)	0 (0%)
	AN	2.9 (5.4%)	0 (0.1%)
	BN	2.5 (4.7%)	0 (0%)
	D	3.2 (5.8%)	0 (-0.1%)
	C	2.7 (4.8%)	0 (-0.1%)
	AVG	2.9 (5.4%)	0 (0%)
APR	W	2.9 (5.1%)	0 (0%)
	AN	3.1 (5.4%)	0 (0%)
	BN	3 (5.1%)	0 (0%)
	D	2.4 (4%)	-0.2 (-0.2%)
	C	3 (5%)	0.2 (0.3%)
	AVG	2.8 (4.9%)	0 (0%)
MAY	W	4.2 (6.9%)	-0.1 (-0.1%)
	AN	4.4 (7%)	-0.5 (-0.7%)
	BN	3.8 (6.1%)	-0.3 (-0.5%)
	D	2.3 (3.5%)	-0.7 (-1%)
	C	3.4 (5.2%)	0.1 (0.1%)
	AVG	3.6 (5.7%)	-0.3 (-0.4%)
JUN	W	2.6 (4%)	-0.9 (-1.3%)
	AN	1.9 (2.9%)	-1 (-1.5%)
	BN	2.1 (3.2%)	-0.9 (-1.4%)
	D	1.9 (2.8%)	-0.3 (-0.5%)
	C	3.7 (5.3%)	-0.3 (-0.4%)
	AVG	2.4 (3.6%)	-0.7 (-1%)
JUL	W	2.3 (3.4%)	0.2 (0.3%)
	AN	1.4 (2%)	0.5 (0.8%)
	BN	2.2 (3.3%)	0.5 (0.7%)
	D	3.7 (5.4%)	0.8 (1.1%)
	C	3.9 (5.5%)	0 (0%)
	AVG	2.7 (3.9%)	0.4 (0.6%)

Alternative 2A: American River at Watt Avenue			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
AUG	W	4 (6%)	-0.1 (-0.1%)
	AN	3.4 (5%)	0.5 (0.7%)
	BN	3.7 (5.4%)	1.2 (1.6%)
	D	5.3 (7.8%)	0.7 (1%)
	C	5.9 (8.3%)	0.5 (0.6%)
	AVG	4.5 (6.5%)	0.5 (0.7%)
SEP	W	3.2 (4.9%)	0.3 (0.4%)
	AN	3.9 (5.8%)	0.4 (0.6%)
	BN	3.6 (5.4%)	0.3 (0.4%)
	D	4.6 (6.8%)	-0.2 (-0.3%)
	C	4.4 (6.4%)	0.1 (0.1%)
	AVG	3.8 (5.8%)	0.2 (0.2%)
OCT	W	7.6 (12.8%)	-0.2 (-0.3%)
	AN	7.4 (12.4%)	0 (-0.1%)
	BN	8.2 (13.9%)	0 (0%)
	D	6.9 (11.5%)	0.1 (0.1%)
	C	6.4 (10.3%)	0.2 (0.2%)
	AVG	7.3 (12.3%)	0 (0%)
NOV	W	3.4 (6%)	-0.2 (-0.3%)
	AN	3.5 (6.2%)	-0.1 (-0.1%)
	BN	4 (7.3%)	0 (0.1%)
	D	3.3 (6%)	-0.1 (-0.1%)
	C	3.3 (5.8%)	-0.1 (-0.1%)
	AVG	3.5 (6.2%)	-0.1 (-0.2%)
DEC	W	2.4 (4.8%)	-0.1 (-0.2%)
	AN	2.6 (5.1%)	0 (0%)
	BN	2.7 (5.5%)	0.1 (0.1%)
	D	2.4 (4.8%)	-0.1 (-0.2%)
	C	2.5 (5.1%)	0.2 (0.4%)
	AVG	2.5 (5%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.2.17 American River at the Confluence with the Sacramento River

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 2A Model Scenarios in the American River at the Confluence with the Sacramento River, Year-Round

Alternative 2A: American River at the Confluence with the Sacramento River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
JAN	W	47	50	50
	AN	46	49	49
	BN	46	48	48
	D	46	48	48
	C	46	49	49
	AVG	46	49	49
FEB	W	48	52	52
	AN	48	52	52
	BN	48	51	51
	D	49	52	52
	C	51	55	55
	AVG	49	52	52
MAR	W	53	56	56
	AN	53	56	56
	BN	54	56	56
	D	55	58	58
	C	56	59	59
	AVG	54	57	57
APR	W	57	60	60
	AN	58	61	61
	BN	59	62	62
	D	61	63	63
	C	62	64	64
	AVG	59	62	62
MAY	W	61	66	65
	AN	63	68	67
	BN	63	67	67
	D	66	69	68
	C	67	70	70
	AVG	64	67	67
JUN	W	65	69	68
	AN	68	71	70
	BN	68	71	70
	D	70	72	72
	C	70	74	74
	AVG	68	71	70

Alternative 2A: American River at the Confluence with the Sacramento River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
JUL	W	69	71	71
	AN	68	69	70
	BN	68	70	71
	D	69	72	73
	C	73	76	76
	AVG	69	72	72
AUG	W	69	73	73
	AN	69	73	73
	BN	70	73	74
	D	69	74	75
	C	72	77	78
	AVG	70	74	74
SEP	W	66	69	70
	AN	67	70	71
	BN	67	71	71
	D	68	72	72
	C	69	74	74
	AVG	67	71	71
OCT	W	60	67	67
	AN	60	67	67
	BN	60	67	67
	D	60	66	66
	C	62	67	68
	AVG	60	67	67
NOV	W	56	60	59
	AN	56	60	59
	BN	55	59	59
	D	56	59	59
	C	57	60	60
	AVG	56	59	59
DEC	W	49	52	52
	AN	49	52	52
	BN	48	51	51
	D	49	51	51
	C	48	50	50
	AVG	49	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River at the Confluence with the Sacramento River, Year-Round

Alternative 2A: American River at the Confluence with the Sacramento River			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
JAN	W	3.1 (6.7%)	0 (0.1%)
	AN	2.8 (5.9%)	0 (0.1%)
	BN	2.9 (6.3%)	0 (0.1%)
	D	2.6 (5.6%)	-0.1 (-0.2%)
	C	2.9 (6.2%)	0 (-0.1%)
	AVG	2.9 (6.2%)	0 (0%)
FEB	W	3.4 (7%)	0 (0%)
	AN	3.7 (7.6%)	0 (0%)
	BN	3.1 (6.5%)	0 (0.1%)
	D	3.1 (6.2%)	0 (-0.1%)
	C	3.2 (6.3%)	0.1 (0.1%)
	AVG	3.3 (6.7%)	0 (0%)
MAR	W	2.9 (5.6%)	0 (0%)
	AN	2.8 (5.3%)	0 (0%)
	BN	2.5 (4.6%)	0 (-0.1%)
	D	3.1 (5.6%)	0 (0%)
	C	2.6 (4.6%)	0 (0%)
	AVG	2.8 (5.2%)	0 (0%)
APR	W	2.8 (5%)	0 (0%)
	AN	3 (5.2%)	0 (0%)
	BN	2.9 (5%)	0 (0%)
	D	2.5 (4%)	-0.1 (-0.2%)
	C	2.8 (4.6%)	0.2 (0.3%)
	AVG	2.8 (4.7%)	0 (0%)
MAY	W	4.2 (6.9%)	-0.1 (-0.2%)
	AN	4.4 (7%)	-0.5 (-0.7%)
	BN	3.7 (5.9%)	-0.4 (-0.6%)
	D	2.3 (3.5%)	-0.6 (-0.9%)
	C	3.2 (4.8%)	0 (0.1%)
	AVG	3.6 (5.7%)	-0.3 (-0.4%)
JUN	W	2.7 (4.2%)	-0.9 (-1.4%)
	AN	1.9 (2.9%)	-1.1 (-1.5%)
	BN	2.1 (3.2%)	-1 (-1.4%)
	D	2.1 (3.1%)	-0.4 (-0.5%)
	C	3.6 (5.2%)	-0.2 (-0.3%)
	AVG	2.5 (3.7%)	-0.7 (-1%)
JUL	W	2.6 (3.8%)	0.3 (0.4%)
	AN	1.6 (2.4%)	0.6 (0.8%)
	BN	2.6 (3.8%)	0.6 (0.8%)
	D	3.9 (5.7%)	0.8 (1.1%)
	C	3.6 (5%)	-0.1 (-0.2%)
	AVG	2.9 (4.2%)	0.4 (0.6%)

Alternative 2A: American River at the Confluence with the Sacramento River			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
AUG	W	4.5 (6.5%)	-0.1 (-0.1%)
	AN	3.8 (5.4%)	0.4 (0.6%)
	BN	4.1 (5.8%)	1.2 (1.6%)
	D	5.5 (7.9%)	0.7 (1%)
	C	5.5 (7.6%)	0.4 (0.5%)
	AVG	4.7 (6.7%)	0.4 (0.6%)
SEP	W	3.4 (5.2%)	0.3 (0.4%)
	AN	4 (6%)	0.4 (0.5%)
	BN	3.9 (5.8%)	0.3 (0.4%)
	D	4.5 (6.7%)	-0.1 (-0.2%)
	C	4.2 (6%)	0.1 (0.1%)
	AVG	4 (5.9%)	0.2 (0.3%)
OCT	W	6.8 (11.4%)	-0.2 (-0.2%)
	AN	6.8 (11.2%)	-0.1 (-0.1%)
	BN	7.4 (12.4%)	0 (0%)
	D	6.2 (10.2%)	0.1 (0.1%)
	C	5.7 (9.3%)	0.2 (0.3%)
	AVG	6.6 (11%)	0 (0%)
NOV	W	3.2 (5.8%)	-0.2 (-0.3%)
	AN	3.4 (6.1%)	-0.1 (-0.1%)
	BN	3.8 (6.9%)	0 (0%)
	D	3.1 (5.7%)	-0.1 (-0.1%)
	C	3.2 (5.7%)	0 (0%)
	AVG	3.3 (6%)	-0.1 (-0.2%)
DEC	W	2.3 (4.7%)	-0.1 (-0.2%)
	AN	2.5 (5.1%)	0 (0%)
	BN	2.7 (5.5%)	0.1 (0.1%)
	D	2.3 (4.7%)	-0.1 (-0.1%)
	C	2.4 (5.1%)	0.3 (0.5%)
	AVG	2.4 (5%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.2.18 Stanislaus River at Knights Ferry

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 2A Model Scenarios in the Stanislaus River at Knights Ferry, Year-Round

Alternative 2A: Stanislaus River at Knights Ferry				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
JAN	W	49	52	52
	AN	49	52	52
	BN	49	52	52
	D	48	51	51
	C	49	52	52
	AVG	49	52	52
FEB	W	49	52	52
	AN	49	52	52
	BN	49	52	52
	D	49	52	52
	C	50	53	53
	AVG	49	52	52
MAR	W	49	52	52
	AN	49	53	53
	BN	51	54	54
	D	51	54	54
	C	52	55	55
	AVG	50	54	54
APR	W	50	53	53
	AN	50	54	54
	BN	51	55	55
	D	52	55	55
	C	53	57	57
	AVG	51	54	54
MAY	W	51	55	55
	AN	53	56	56
	BN	54	57	57
	D	55	58	58
	C	56	59	59
	AVG	53	57	57
JUN	W	54	56	56
	AN	56	59	59
	BN	58	61	61
	D	59	63	63
	C	60	64	64
	AVG	57	60	60
JUL	W	57	59	59
	AN	59	62	62
	BN	60	63	63
	D	61	65	65
	C	62	66	66
	AVG	59	63	63

Alternative 2A: Stanislaus River at Knights Ferry				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
AUG	W	58	61	61
	AN	60	63	63
	BN	60	64	64
	D	61	65	65
	C	62	67	67
	AVG	60	64	64
SEP	W	59	62	62
	AN	60	64	64
	BN	61	64	64
	D	62	65	65
	C	63	67	67
	AVG	61	64	64
OCT	W	59	62	62
	AN	59	62	62
	BN	59	62	62
	D	58	62	62
	C	60	64	64
	AVG	59	63	63
NOV	W	56	59	59
	AN	56	59	59
	BN	56	59	59
	D	56	59	59
	C	57	61	61
	AVG	56	60	60
DEC	W	52	55	55
	AN	52	55	55
	BN	51	54	54
	D	51	54	54
	C	52	55	55
	AVG	51	55	55

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Knights Ferry, Year-Round

Alternative 2A: Stanislaus River at Knights Ferry			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
JAN	W	3.1 (6.3%)	0 (0%)
	AN	3.1 (6.4%)	0 (0%)
	BN	3.1 (6.4%)	0 (0%)
	D	3 (6.3%)	0 (0%)
	C	3.1 (6.2%)	0 (0%)
	AVG	3.1 (6.3%)	0 (0%)
FEB	W	3.1 (6.4%)	0 (0%)
	AN	3.2 (6.5%)	0 (0%)
	BN	3 (6.2%)	0 (0%)
	D	3.2 (6.5%)	0 (0%)
	C	3.1 (6.2%)	0 (0%)
	AVG	3.1 (6.4%)	0 (0%)
MAR	W	3.2 (6.6%)	0 (0%)
	AN	3.6 (7.3%)	0 (0%)
	BN	3.1 (6.1%)	0 (0%)
	D	3.3 (6.5%)	0 (0%)
	C	3 (5.8%)	0 (0%)
	AVG	3.3 (6.5%)	0 (0%)
APR	W	3.1 (6.2%)	0 (0%)
	AN	3.3 (6.6%)	0 (0%)
	BN	3.4 (6.6%)	0 (0%)
	D	3.5 (6.7%)	0 (0%)
	C	3.6 (6.7%)	0 (0%)
	AVG	3.3 (6.5%)	0 (0%)
MAY	W	3 (5.9%)	0 (0%)
	AN	3.1 (5.9%)	0 (0%)
	BN	3.5 (6.5%)	0 (0%)
	D	3.4 (6.2%)	0 (0%)
	C	3.3 (5.9%)	0 (0%)
	AVG	3.2 (6.1%)	0 (0%)
JUN	W	2.6 (4.8%)	0 (0%)
	AN	3.3 (6%)	0 (0%)
	BN	3.6 (6.3%)	0 (0%)
	D	3.8 (6.5%)	0 (0%)
	C	4.1 (6.9%)	0 (0%)
	AVG	3.4 (6%)	0 (0%)
JUL	W	2.5 (4.4%)	0 (0%)
	AN	3.4 (5.7%)	0 (0%)
	BN	3.5 (5.9%)	0 (0%)
	D	3.7 (6.1%)	0 (0%)
	C	4.1 (6.6%)	0 (0%)
	AVG	3.3 (5.6%)	0 (0%)

Alternative 2A: Stanislaus River at Knights Ferry			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
AUG	W	3.4 (5.8%)	0 (0%)
	AN	3.4 (5.7%)	0 (0%)
	BN	3.5 (5.8%)	0 (0%)
	D	3.6 (5.8%)	0 (0%)
	C	4.3 (6.9%)	0 (0%)
	AVG	3.6 (6%)	0 (0%)
SEP	W	3.5 (6%)	0 (0%)
	AN	3.6 (6%)	0 (0%)
	BN	3.6 (5.9%)	0 (0%)
	D	3.7 (6%)	0 (0%)
	C	4 (6.3%)	0.1 (0.1%)
	AVG	3.7 (6%)	0 (0%)
OCT	W	3.5 (5.9%)	0 (0%)
	AN	3 (5.1%)	0 (0%)
	BN	3.3 (5.6%)	0 (0%)
	D	3.4 (5.9%)	0 (0%)
	C	3.7 (6.1%)	0 (0%)
	AVG	3.4 (5.7%)	0 (0%)
NOV	W	3.3 (5.8%)	0 (0%)
	AN	3.1 (5.5%)	0 (0%)
	BN	3.3 (5.8%)	0 (0%)
	D	3.4 (6%)	0 (0%)
	C	3.5 (6%)	0 (0%)
	AVG	3.3 (5.8%)	0 (0%)
DEC	W	3.3 (6.4%)	0 (0%)
	AN	3.1 (5.9%)	0 (0%)
	BN	3.3 (6.4%)	0 (0%)
	D	3.2 (6.2%)	0 (0%)
	C	3.3 (6.4%)	0 (0%)
	AVG	3.2 (6.3%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.2.19 Stanislaus River at Orange Blossom Bridge

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 2A Model Scenarios in the Stanislaus River at Orange Blossom Bridge, Year-Round

Alternative 2A: Stanislaus River at Orange Blossom Bridge				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
JAN	W	48	51	51
	AN	48	51	51
	BN	48	51	51
	D	47	50	50
	C	48	51	51
	AVG	48	51	51
FEB	W	49	52	52
	AN	49	52	52
	BN	49	52	52
	D	49	52	52
	C	50	53	53
	AVG	49	52	52
MAR	W	49	53	53
	AN	50	54	54
	BN	52	55	55
	D	52	56	56
	C	53	56	56
	AVG	51	54	54
APR	W	50	53	53
	AN	51	54	54
	BN	52	56	56
	D	53	56	56
	C	55	58	58
	AVG	52	55	55
MAY	W	53	56	56
	AN	54	57	57
	BN	55	59	59
	D	56	60	60
	C	58	61	61
	AVG	55	58	58
JUN	W	56	58	58
	AN	58	62	62
	BN	60	64	64
	D	62	66	66
	C	63	67	67
	AVG	59	63	63
JUL	W	60	62	62
	AN	63	66	66
	BN	63	67	67
	D	64	68	68
	C	65	69	69
	AVG	63	66	66

Alternative 2A: Stanislaus River at Orange Blossom Bridge				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
AUG	W	60	64	64
	AN	63	66	66
	BN	63	66	66
	D	64	68	68
	C	65	69	69
	AVG	63	66	66
SEP	W	60	64	64
	AN	63	66	66
	BN	63	67	67
	D	63	67	67
	C	64	68	68
	AVG	62	66	66
OCT	W	59	62	62
	AN	59	62	62
	BN	59	62	62
	D	59	62	62
	C	60	64	64
	AVG	59	62	62
NOV	W	55	58	58
	AN	55	58	58
	BN	55	58	58
	D	55	58	58
	C	56	59	59
	AVG	55	58	58
DEC	W	50	54	54
	AN	50	53	53
	BN	49	53	53
	D	50	52	52
	C	50	53	53
	AVG	50	53	53

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Orange Blossom Bridge, Year-Round

Alternative 2A: Stanislaus River at Orange Blossom Bridge			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
JAN	W	3 (6.2%)	0 (0%)
	AN	3 (6.3%)	0 (0%)
	BN	2.9 (6.1%)	0 (0%)
	D	2.8 (5.9%)	0 (0%)
	C	2.8 (5.8%)	0 (0%)
	AVG	2.9 (6.1%)	0 (0%)
FEB	W	3.1 (6.3%)	0 (0%)
	AN	3.1 (6.3%)	0 (0%)
	BN	3 (6%)	0 (0%)
	D	3.2 (6.5%)	0 (0%)
	C	3.2 (6.3%)	0 (0%)
	AVG	3.1 (6.3%)	0 (0%)
MAR	W	3.2 (6.4%)	0 (0%)
	AN	3.7 (7.3%)	0 (0%)
	BN	3 (5.8%)	0 (0%)
	D	3.4 (6.6%)	0 (0%)
	C	3.1 (5.8%)	0 (0%)
	AVG	3.3 (6.4%)	0 (0%)
APR	W	3.1 (6.1%)	0 (0%)
	AN	3.3 (6.5%)	0 (0%)
	BN	3.5 (6.7%)	0 (0%)
	D	3.6 (6.8%)	0 (0%)
	C	3.6 (6.6%)	0 (0%)
	AVG	3.4 (6.5%)	0 (0%)
MAY	W	3.2 (6%)	0 (0%)
	AN	3.3 (6%)	0 (0%)
	BN	3.9 (7.1%)	0 (0%)
	D	3.6 (6.5%)	0 (0%)
	C	3.5 (6%)	0 (0%)
	AVG	3.4 (6.2%)	0 (0%)
JUN	W	2.3 (4.1%)	0 (0%)
	AN	3.8 (6.6%)	0 (0%)
	BN	3.9 (6.5%)	0 (0%)
	D	4.3 (6.9%)	0 (0%)
	C	4.1 (6.6%)	0.1 (0.1%)
	AVG	3.5 (5.9%)	0 (0%)
JUL	W	2.1 (3.5%)	0 (0%)
	AN	3.6 (5.7%)	0 (0%)
	BN	3.5 (5.6%)	0 (0%)
	D	3.8 (5.9%)	0 (0%)
	C	4 (6.2%)	0 (0%)
	AVG	3.2 (5.2%)	0 (0%)

Alternative 2A: Stanislaus River at Orange Blossom Bridge			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
AUG	W	3.9 (6.4%)	0 (0%)
	AN	3.5 (5.7%)	0 (0%)
	BN	3.5 (5.5%)	0 (0%)
	D	3.5 (5.5%)	0 (0%)
	C	4.2 (6.5%)	0 (0%)
	AVG	3.7 (6%)	0 (0%)
SEP	W	3.8 (6.3%)	0 (0%)
	AN	3.9 (6.2%)	0 (0%)
	BN	3.7 (6%)	0 (0%)
	D	3.7 (5.9%)	0 (0%)
	C	3.8 (6%)	-0.1 (-0.2%)
	AVG	3.8 (6.1%)	0 (0%)
OCT	W	3.3 (5.6%)	0 (0%)
	AN	3 (5.1%)	0 (0%)
	BN	3.2 (5.4%)	0 (0%)
	D	3.4 (5.7%)	0 (0%)
	C	3.5 (5.9%)	0 (0%)
	AVG	3.3 (5.5%)	0 (0%)
NOV	W	3.1 (5.7%)	0 (0%)
	AN	3 (5.5%)	0 (0%)
	BN	3.2 (5.8%)	0 (0%)
	D	3.2 (5.9%)	0 (0%)
	C	3.2 (5.7%)	0 (0%)
	AVG	3.1 (5.7%)	0 (0%)
DEC	W	3.2 (6.4%)	0 (0%)
	AN	2.9 (5.9%)	0 (0%)
	BN	3.3 (6.6%)	0 (0%)
	D	3 (6%)	0 (0%)
	C	3.1 (6.2%)	0 (0%)
	AVG	3.1 (6.2%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.2.20 Stanislaus River at Riverbank

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 2A Model Scenarios in the Stanislaus River at Riverbank, Year-Round

Alternative 2A: Stanislaus River at Riverbank				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
JAN	W	47	50	50
	AN	47	49	49
	BN	46	49	49
	D	45	48	48
	C	46	49	49
	AVG	46	49	49
FEB	W	49	52	52
	AN	50	53	53
	BN	50	52	52
	D	50	53	53
	C	51	54	54
	AVG	50	53	53
MAR	W	51	54	54
	AN	52	55	55
	BN	53	56	56
	D	54	57	57
	C	54	57	57
	AVG	52	56	56
APR	W	52	55	55
	AN	53	56	56
	BN	54	57	57
	D	54	58	58
	C	57	60	60
	AVG	54	57	57
MAY	W	56	59	59
	AN	57	60	60
	BN	58	62	62
	D	59	62	62
	C	60	64	64
	AVG	58	61	61
JUN	W	60	62	62
	AN	62	66	66
	BN	64	68	68
	D	66	70	70
	C	66	70	70
	AVG	63	67	67
JUL	W	65	67	67
	AN	68	71	71
	BN	68	71	71
	D	68	72	72
	C	68	72	72
	AVG	67	70	70

Alternative 2A: Stanislaus River at Riverbank				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
AUG	W	65	69	69
	AN	67	70	70
	BN	67	70	70
	D	68	71	71
	C	67	71	71
	AVG	66	70	70
SEP	W	64	67	67
	AN	66	70	70
	BN	66	69	69
	D	66	70	70
	C	66	70	69
	AVG	65	69	69
OCT	W	59	63	63
	AN	59	62	62
	BN	59	62	62
	D	59	62	62
	C	61	64	64
	AVG	60	63	63
NOV	W	53	56	56
	AN	53	56	56
	BN	53	56	56
	D	53	56	56
	C	54	57	57
	AVG	53	56	56
DEC	W	48	51	51
	AN	48	50	50
	BN	47	50	50
	D	47	50	50
	C	47	50	50
	AVG	47	50	50

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Riverbank, Year-Round

Alternative 2A: Stanislaus River at Riverbank			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
JAN	W	2.9 (6.3%)	0 (0%)
	AN	3 (6.4%)	0 (0%)
	BN	2.8 (6%)	0 (0%)
	D	2.5 (5.6%)	0 (0%)
	C	2.7 (5.8%)	0 (0%)
	AVG	2.8 (6%)	0 (0%)
FEB	W	2.9 (5.9%)	0 (0%)
	AN	2.9 (5.8%)	0 (0%)
	BN	2.7 (5.5%)	0 (0%)
	D	3 (6.1%)	0 (0%)
	C	3.1 (6%)	0 (0%)
	AVG	2.9 (5.9%)	0 (0%)
MAR	W	3 (5.9%)	0 (0%)
	AN	3.6 (7%)	0 (0%)
	BN	2.8 (5.3%)	0 (0%)
	D	3.4 (6.4%)	0 (0%)
	C	3 (5.6%)	0 (0%)
	AVG	3.2 (6%)	0 (0%)
APR	W	3 (5.7%)	0 (0%)
	AN	3.2 (6.1%)	0 (0%)
	BN	3.6 (6.6%)	0 (0%)
	D	3.6 (6.7%)	0 (0%)
	C	3.6 (6.3%)	0 (0%)
	AVG	3.3 (6.2%)	0 (0%)
MAY	W	3.2 (5.8%)	0 (0%)
	AN	3.4 (6%)	0 (0%)
	BN	4.3 (7.4%)	0 (0%)
	D	3.9 (6.6%)	0 (0%)
	C	3.5 (5.8%)	0 (0%)
	AVG	3.6 (6.2%)	0 (0%)
JUN	W	2 (3.4%)	0 (0%)
	AN	4 (6.4%)	0 (0%)
	BN	3.7 (5.7%)	0 (0%)
	D	4 (6.1%)	0 (0%)
	C	3.7 (5.6%)	0.1 (0.1%)
	AVG	3.3 (5.2%)	0 (0%)
JUL	W	1.8 (2.8%)	0 (0%)
	AN	3.3 (4.8%)	0 (0%)
	BN	3.1 (4.6%)	0 (0%)
	D	3.6 (5.3%)	0 (0%)
	C	3.5 (5.1%)	0 (0%)
	AVG	2.9 (4.3%)	0 (0%)

Alternative 2A: Stanislaus River at Riverbank			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
AUG	W	4.1 (6.4%)	0 (0%)
	AN	3.4 (5.1%)	0 (0%)
	BN	3.2 (4.8%)	0 (0%)
	D	3.3 (4.9%)	0 (0%)
	C	3.8 (5.6%)	0 (0%)
	AVG	3.6 (5.5%)	0 (0%)
SEP	W	3.9 (6.2%)	0 (0%)
	AN	3.9 (5.9%)	0 (0%)
	BN	3.7 (5.7%)	0 (0%)
	D	3.7 (5.6%)	0 (0%)
	C	3.6 (5.5%)	-0.2 (-0.2%)
	AVG	3.8 (5.8%)	0 (0%)
OCT	W	3.1 (5.3%)	0 (0%)
	AN	2.9 (4.9%)	0 (0%)
	BN	2.9 (4.9%)	0 (0%)
	D	3.1 (5.2%)	0 (0%)
	C	3.3 (5.5%)	0 (0%)
	AVG	3.1 (5.2%)	0 (0%)
NOV	W	3 (5.7%)	0 (0%)
	AN	3.1 (5.9%)	0 (0%)
	BN	3.1 (5.8%)	0 (0%)
	D	3.1 (5.8%)	0 (0%)
	C	3 (5.6%)	0 (0%)
	AVG	3.1 (5.7%)	0 (0%)
DEC	W	3.1 (6.5%)	0 (0%)
	AN	2.9 (6.1%)	0 (0%)
	BN	3.3 (7%)	0 (0%)
	D	2.8 (5.9%)	0 (0%)
	C	2.9 (6.2%)	0 (0%)
	AVG	3 (6.4%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.2.21 Stanislaus River at the Confluence with the San Joaquin River

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 2A Model Scenarios in the Stanislaus River at the Confluence with the San Joaquin River, Year-Round

Alternative 2A: Stanislaus River at the Confluence with the San Joaquin River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
JAN	W	46	49	49
	AN	46	49	49
	BN	46	49	49
	D	45	47	47
	C	45	48	48
	AVG	46	48	48
FEB	W	50	53	53
	AN	50	53	53
	BN	50	52	52
	D	50	53	53
	C	51	54	54
	AVG	50	53	53
MAR	W	52	55	55
	AN	53	56	56
	BN	54	57	57
	D	55	58	58
	C	55	58	58
	AVG	54	56	56
APR	W	54	57	57
	AN	55	58	58
	BN	56	60	60
	D	57	60	60
	C	59	62	62
	AVG	56	59	59
MAY	W	59	62	62
	AN	60	63	63
	BN	60	64	64
	D	61	65	65
	C	63	66	66
	AVG	60	64	64
JUN	W	62	65	65
	AN	65	69	69
	BN	66	70	70
	D	68	72	72
	C	68	71	71
	AVG	65	69	69

Alternative 2A: Stanislaus River at the Confluence with the San Joaquin River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A2A_LLT**
JUL	W	68	70	70
	AN	70	73	73
	BN	70	73	73
	D	70	74	74
	C	70	73	73
	AVG	69	72	72
AUG	W	67	71	71
	AN	69	72	72
	BN	68	71	71
	D	69	72	72
	C	69	72	72
	AVG	68	72	72
SEP	W	65	69	69
	AN	67	71	71
	BN	67	70	70
	D	67	70	70
	C	67	70	70
	AVG	66	70	70
OCT	W	60	63	63
	AN	60	62	62
	BN	59	62	62
	D	59	62	62
	C	61	64	64
	AVG	60	63	63
NOV	W	53	56	56
	AN	52	55	55
	BN	52	55	55
	D	52	55	55
	C	53	56	56
	AVG	52	55	55
DEC	W	47	50	50
	AN	46	49	49
	BN	45	49	49
	D	45	48	48
	C	45	48	48
	AVG	46	49	49

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at the Confluence with the San Joaquin River, Year-Round

Alternative 2A: Stanislaus River at the Confluence with the San Joaquin River			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
JAN	W	2.9 (6.3%)	0 (0%)
	AN	2.9 (6.4%)	0 (0%)
	BN	2.8 (6.1%)	0 (0%)
	D	2.5 (5.7%)	0 (0%)
	C	2.8 (6.1%)	0 (0%)
	AVG	2.8 (6.2%)	0 (0%)
FEB	W	2.8 (5.7%)	0 (0%)
	AN	2.8 (5.6%)	0 (0%)
	BN	2.6 (5.2%)	0 (0%)
	D	2.8 (5.6%)	0 (0%)
	C	2.9 (5.6%)	0 (0%)
	AVG	2.8 (5.6%)	0 (0%)
MAR	W	2.9 (5.5%)	0 (0%)
	AN	3.3 (6.3%)	0 (0%)
	BN	2.6 (4.9%)	0 (0%)
	D	3.2 (5.8%)	0 (0%)
	C	2.8 (5.1%)	0 (0%)
	AVG	3 (5.5%)	0 (0%)
APR	W	2.8 (5.2%)	0 (0%)
	AN	3.1 (5.6%)	0 (0%)
	BN	3.4 (6.1%)	0 (0%)
	D	3.5 (6.1%)	0 (0%)
	C	3.2 (5.5%)	0 (0%)
	AVG	3.2 (5.6%)	0 (0%)
MAY	W	3.1 (5.3%)	0 (0%)
	AN	3.4 (5.7%)	0 (0%)
	BN	4.1 (6.8%)	0 (0%)
	D	3.7 (6%)	0 (0%)
	C	3.2 (5.1%)	0 (0%)
	AVG	3.4 (5.7%)	0 (0%)
JUN	W	2.3 (3.6%)	0 (0%)
	AN	3.7 (5.8%)	0 (0%)
	BN	3.3 (5.1%)	0 (0%)
	D	3.4 (5%)	0 (0%)
	C	3.3 (4.8%)	0 (0%)
	AVG	3.1 (4.7%)	0 (0%)
JUL	W	2.3 (3.3%)	0 (0%)
	AN	3 (4.2%)	0 (0%)
	BN	2.8 (4%)	0 (0%)
	D	3.2 (4.5%)	0 (0%)
	C	3.2 (4.5%)	0 (0%)
	AVG	2.8 (4%)	0 (0%)

Alternative 2A: Stanislaus River at the Confluence with the San Joaquin River			
Month	**WYT**	**EXISTING CONDITIONS vs. A2A_LLT**	**NAA vs. A2A_LLT**
AUG	W	4.1 (6.1%)	0 (0%)
	AN	3.2 (4.7%)	0 (0%)
	BN	3.1 (4.5%)	0 (0%)
	D	3.1 (4.5%)	0 (0%)
	C	3.6 (5.2%)	0 (0%)
	AVG	3.5 (5.1%)	0 (0%)
SEP	W	3.9 (6%)	0 (0%)
	AN	3.7 (5.6%)	0 (0%)
	BN	3.7 (5.5%)	0 (0%)
	D	3.7 (5.5%)	0 (0%)
	C	3.5 (5.3%)	-0.2 (-0.2%)
	AVG	3.7 (5.6%)	0 (0%)
OCT	W	3 (5%)	0 (0%)
	AN	2.8 (4.8%)	0 (0%)
	BN	2.7 (4.5%)	0 (0%)
	D	2.9 (4.9%)	0 (0%)
	C	3.2 (5.3%)	0 (0%)
	AVG	2.9 (4.9%)	0 (0%)
NOV	W	3 (5.8%)	0 (0%)
	AN	3.2 (6%)	0 (0%)
	BN	3.1 (5.9%)	0 (0%)
	D	3.1 (5.9%)	0 (0%)
	C	2.9 (5.6%)	0 (0%)
	AVG	3.1 (5.8%)	0 (0%)
DEC	W	3.1 (6.6%)	0 (0.1%)
	AN	2.9 (6.2%)	0 (0%)
	BN	3.2 (7.1%)	0 (0%)
	D	2.8 (6.1%)	0 (0%)
	C	2.9 (6.4%)	0 (0%)
	AVG	3 (6.5%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.3 Alternative 3

11D.3.1 Sacramento River at Keswick

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 3 Model Scenarios in the Sacramento River at Keswick, Year-Round

Alternative 3: Sacramento River at Keswick				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
JAN	W	46	47	47
	AN	46	48	48
	BN	47	48	48
	D	47	48	48
	C	47	48	48
	AVG	46	48	48
FEB	W	45	47	47
	AN	46	47	47
	BN	46	47	47
	D	46	48	48
	C	46	48	48
	AVG	46	47	47
MAR	W	46	47	47
	AN	46	48	48
	BN	47	48	48
	D	47	49	49
	C	48	50	50
	AVG	47	48	48
APR	W	47	49	49
	AN	48	50	50
	BN	48	50	50
	D	48	50	50
	C	49	51	51
	AVG	48	50	50
MAY	W	49	50	50
	AN	49	51	51
	BN	49	51	51
	D	49	51	51
	C	51	53	53
	AVG	49	51	51
JUN	W	50	51	51
	AN	50	51	51
	BN	50	51	51
	D	50	52	52
	C	53	55	55
	AVG	50	52	52

Alternative 3: Sacramento River at Keswick				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
JUL	W	51	52	52
	AN	51	52	52
	BN	51	52	53
	D	51	54	54
	C	54	59	59
	AVG	51	53	54
AUG	W	52	54	54
	AN	52	54	55
	BN	52	54	55
	D	53	56	56
	C	57	64	64
	AVG	53	56	56
SEP	W	53	55	56
	AN	54	56	56
	BN	54	56	57
	D	55	59	59
	C	60	66	66
	AVG	55	58	58
OCT	W	54	57	57
	AN	54	57	57
	BN	54	57	58
	D	55	58	58
	C	56	60	60
	AVG	54	58	58
NOV	W	53	55	55
	AN	52	55	55
	BN	53	55	55
	D	53	56	56
	C	54	56	56
	AVG	53	55	55
DEC	W	49	50	50
	AN	49	51	51
	BN	50	52	52
	D	50	52	52
	C	51	52	52
	AVG	50	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Keswick, Year-Round

Alternative 3: Sacramento River at Keswick			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
JAN	W	1.3 (2.7%)	-0.1 (-0.2%)
	AN	1.4 (3%)	0 (-0.1%)
	BN	1.5 (3.3%)	-0.1 (-0.3%)
	D	1.5 (3.2%)	-0.1 (-0.3%)
	C	1.6 (3.4%)	-0.2 (-0.4%)
	AVG	1.4 (3.1%)	-0.1 (-0.2%)
FEB	W	1.5 (3.4%)	0 (0%)
	AN	1.6 (3.5%)	0 (0%)
	BN	1.4 (3.1%)	-0.1 (-0.2%)
	D	1.6 (3.5%)	-0.1 (-0.2%)
	C	1.8 (3.8%)	0 (-0.1%)
	AVG	1.6 (3.5%)	0 (-0.1%)
MAR	W	1.5 (3.3%)	0 (0.1%)
	AN	1.7 (3.6%)	0.1 (0.1%)
	BN	1.6 (3.4%)	0 (0%)
	D	1.6 (3.5%)	0 (-0.1%)
	C	1.7 (3.6%)	-0.2 (-0.4%)
	AVG	1.6 (3.4%)	0 (0%)
APR	W	1.7 (3.6%)	0 (0.1%)
	AN	1.7 (3.5%)	0 (-0.1%)
	BN	1.5 (3.1%)	0.1 (0.3%)
	D	1.4 (2.9%)	-0.1 (-0.3%)
	C	1.8 (3.8%)	-0.2 (-0.5%)
	AVG	1.6 (3.4%)	0 (-0.1%)
MAY	W	1.6 (3.2%)	-0.2 (-0.3%)
	AN	1.3 (2.7%)	0 (0%)
	BN	1.4 (2.8%)	0 (0.1%)
	D	1.3 (2.7%)	-0.2 (-0.4%)
	C	2 (3.9%)	0 (-0.1%)
	AVG	1.5 (3.1%)	-0.1 (-0.2%)
JUN	W	0.8 (1.7%)	-0.1 (-0.2%)
	AN	1.1 (2.2%)	-0.1 (-0.3%)
	BN	1.4 (2.9%)	0.2 (0.4%)
	D	2.2 (4.3%)	0.3 (0.6%)
	C	2.3 (4.3%)	0.2 (0.3%)
	AVG	1.5 (2.9%)	0.1 (0.1%)
JUL	W	1.3 (2.5%)	0.4 (0.7%)
	AN	1.7 (3.3%)	0.3 (0.6%)
	BN	2.3 (4.5%)	0.9 (1.8%)
	D	2.9 (5.6%)	0.5 (1%)
	C	5.3 (9.7%)	0.1 (0.2%)
	AVG	2.4 (4.8%)	0.4 (0.8%)

Alternative 3: Sacramento River at Keswick			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
AUG	W	2.3 (4.4%)	0.4 (0.7%)
	AN	2.4 (4.5%)	0.5 (0.9%)
	BN	3.1 (6%)	0.7 (1.3%)
	D	3.5 (6.6%)	0.5 (0.8%)
	C	7.9 (14%)	0.4 (0.6%)
	AVG	3.5 (6.7%)	0.5 (0.8%)
SEP	W	2.4 (4.6%)	0.8 (1.4%)
	AN	2.8 (5.1%)	0.5 (0.9%)
	BN	3.5 (6.4%)	0.8 (1.4%)
	D	4.5 (8.2%)	0.1 (0.1%)
	C	5.9 (9.9%)	0 (0%)
	AVG	3.6 (6.6%)	0.5 (0.8%)
OCT	W	2.8 (5.2%)	-0.2 (-0.4%)
	AN	2.9 (5.4%)	0.1 (0.2%)
	BN	3.4 (6.3%)	0.4 (0.6%)
	D	3.5 (6.3%)	0 (-0.1%)
	C	3.4 (6.1%)	-0.3 (-0.6%)
	AVG	3.2 (5.8%)	-0.1 (-0.1%)
NOV	W	2.1 (4.1%)	-0.1 (-0.2%)
	AN	2.4 (4.5%)	0.2 (0.3%)
	BN	2.4 (4.6%)	0 (0%)
	D	2.4 (4.5%)	0.1 (0.1%)
	C	2.4 (4.4%)	-0.1 (-0.2%)
	AVG	2.3 (4.4%)	0 (0%)
DEC	W	1.2 (2.4%)	-0.1 (-0.1%)
	AN	1.6 (3.2%)	-0.2 (-0.4%)
	BN	1.8 (3.6%)	-0.2 (-0.4%)
	D	1.7 (3.5%)	-0.2 (-0.4%)
	C	1.8 (3.6%)	-0.1 (-0.2%)
	AVG	1.6 (3.1%)	-0.1 (-0.3%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.3.2 Sacramento River at Jelly's Ferry

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 3 Model Scenarios in the Sacramento River at Jelly's Ferry, Year-Round

Alternative 3: Sacramento River at Jelly's Ferry				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
JAN	W	45	47	47
	AN	45	47	47
	BN	45	46	47
	D	45	47	47
	C	45	47	47
	AVG	45	47	47
FEB	W	46	47	47
	AN	46	48	48
	BN	46	48	47
	D	46	48	48
	C	47	49	49
	AVG	46	48	48
MAR	W	48	49	50
	AN	49	51	51
	BN	49	51	51
	D	50	51	51
	C	50	52	52
	AVG	49	51	51
APR	W	51	53	53
	AN	53	55	54
	BN	53	54	54
	D	52	54	54
	C	52	54	54
	AVG	52	54	54
MAY	W	54	57	57
	AN	55	57	56
	BN	54	57	56
	D	54	56	55
	C	55	57	57
	AVG	54	57	56
JUN	W	55	56	56
	AN	55	56	55
	BN	54	56	56
	D	54	56	56
	C	56	58	58
	AVG	55	56	56
JUL	W	56	57	57
	AN	55	56	56
	BN	55	56	57
	D	55	57	58
	C	57	62	63
	AVG	55	57	58

Alternative 3: Sacramento River at Jelly's Ferry				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
AUG	W	56	59	59
	AN	56	58	59
	BN	56	58	59
	D	56	59	60
	C	59	67	67
	AVG	57	60	60
SEP	W	56	57	59
	AN	57	59	60
	BN	57	60	61
	D	58	63	63
	C	61	67	67
	AVG	58	61	61
OCT	W	54	57	57
	AN	54	57	57
	BN	55	57	58
	D	55	58	58
	C	56	60	59
	AVG	55	58	58
NOV	W	51	53	53
	AN	51	53	53
	BN	51	54	53
	D	51	54	53
	C	52	55	54
	AVG	51	53	53
DEC	W	47	48	48
	AN	47	48	48
	BN	47	49	49
	D	47	49	49
	C	47	49	49
	AVG	47	48	49

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Jelly's Ferry, Year-Round

Alternative 3: Sacramento River at Jelly's Ferry			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
JAN	W	1.4 (3.2%)	0 (0%)
	AN	1.5 (3.4%)	0 (0.1%)
	BN	1.8 (3.9%)	0.1 (0.1%)
	D	1.9 (4.1%)	0 (0%)
	C	1.9 (4.2%)	-0.3 (-0.6%)
	AVG	1.7 (3.7%)	0 (0%)
FEB	W	1.6 (3.4%)	0 (0%)
	AN	1.6 (3.4%)	0 (0%)
	BN	1.6 (3.5%)	0 (-0.1%)
	D	1.8 (3.9%)	0 (-0.1%)
	C	2 (4.2%)	0 (0%)
	AVG	1.7 (3.7%)	0 (0%)
MAR	W	1.5 (3%)	0 (0%)
	AN	1.6 (3.2%)	0 (0.1%)
	BN	1.6 (3.3%)	-0.1 (-0.2%)
	D	1.6 (3.2%)	-0.1 (-0.1%)
	C	1.6 (3.2%)	-0.2 (-0.4%)
	AVG	1.6 (3.2%)	0 (-0.1%)
APR	W	1.8 (3.4%)	0 (0%)
	AN	1.7 (3.2%)	-0.2 (-0.4%)
	BN	1.6 (3.1%)	-0.1 (-0.2%)
	D	1.6 (3%)	-0.3 (-0.5%)
	C	1.8 (3.5%)	-0.2 (-0.4%)
	AVG	1.7 (3.3%)	-0.1 (-0.3%)
MAY	W	2.5 (4.6%)	-0.4 (-0.8%)
	AN	1.2 (2.2%)	-0.4 (-0.8%)
	BN	1.7 (3.1%)	-0.5 (-0.8%)
	D	1.1 (2.1%)	-0.7 (-1.2%)
	C	1.8 (3.3%)	-0.1 (-0.2%)
	AVG	1.8 (3.3%)	-0.4 (-0.8%)
JUN	W	0.8 (1.5%)	-0.6 (-1%)
	AN	0.7 (1.4%)	-0.6 (-1.1%)
	BN	1.6 (2.9%)	0 (0%)
	D	2 (3.8%)	0.1 (0.2%)
	C	2 (3.6%)	0 (0%)
	AVG	1.4 (2.5%)	-0.2 (-0.4%)
JUL	W	1.2 (2.2%)	0.2 (0.4%)
	AN	1.7 (3.2%)	0.3 (0.6%)
	BN	2.6 (4.7%)	0.9 (1.6%)
	D	3.1 (5.7%)	0.7 (1.3%)
	C	5.2 (9%)	0.2 (0.2%)
	AVG	2.5 (4.6%)	0.5 (0.8%)

Alternative 3: Sacramento River at Jelly's Ferry			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
AUG	W	2.8 (5.1%)	0.3 (0.5%)
	AN	2.6 (4.6%)	0.7 (1.2%)
	BN	3.5 (6.3%)	0.9 (1.5%)
	D	4.1 (7.3%)	1 (1.7%)
	C	7.6 (12.8%)	0.4 (0.7%)
	AVG	3.9 (6.9%)	0.6 (1.1%)
SEP	W	3.3 (5.9%)	2.1 (3.6%)
	AN	2.7 (4.8%)	1.4 (2.4%)
	BN	3.6 (6.3%)	0.7 (1.2%)
	D	4.8 (8.4%)	0 (0%)
	C	5.3 (8.6%)	-0.1 (-0.1%)
	AVG	3.9 (6.8%)	1 (1.6%)
OCT	W	2.7 (4.9%)	-0.2 (-0.3%)
	AN	2.7 (4.9%)	0.1 (0.2%)
	BN	3.3 (6%)	0.3 (0.6%)
	D	3.1 (5.7%)	-0.1 (-0.1%)
	C	3.1 (5.6%)	-0.3 (-0.5%)
	AVG	2.9 (5.3%)	0 (-0.1%)
NOV	W	2 (3.9%)	-0.3 (-0.6%)
	AN	2 (4%)	-0.2 (-0.4%)
	BN	2.2 (4.4%)	-0.3 (-0.5%)
	D	2.1 (4.1%)	-0.2 (-0.3%)
	C	2.2 (4.2%)	-0.2 (-0.4%)
	AVG	2.1 (4.1%)	-0.2 (-0.5%)
DEC	W	1.2 (2.6%)	0.1 (0.2%)
	AN	1.7 (3.7%)	-0.1 (-0.1%)
	BN	1.9 (4.1%)	0 (0.1%)
	D	2 (4.2%)	0.1 (0.1%)
	C	1.9 (4.1%)	0 (0%)
	AVG	1.7 (3.6%)	0 (0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.3.3 Sacramento River at Bend Bridge

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 3 Model Scenarios in the Sacramento River at Bend Bridge, Year-Round

Alternative 3: Sacramento River at Bend Bridge				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
JAN	W	45	47	47
	AN	45	47	47
	BN	45	46	46
	D	45	47	47
	C	45	47	47
	AVG	45	47	47
FEB	W	46	47	47
	AN	46	48	48
	BN	46	48	47
	D	46	48	48
	C	47	49	49
	AVG	46	48	48
MAR	W	48	50	50
	AN	49	51	51
	BN	49	51	51
	D	50	52	52
	C	50	52	52
	AVG	49	51	51
APR	W	51	53	53
	AN	53	55	55
	BN	53	55	55
	D	53	55	54
	C	52	54	54
	AVG	52	54	54
MAY	W	54	57	57
	AN	55	57	57
	BN	55	57	57
	D	55	56	56
	C	55	57	57
	AVG	55	57	57
JUN	W	56	57	57
	AN	55	57	56
	BN	55	57	57
	D	55	57	57
	C	57	59	59
	AVG	55	57	57
JUL	W	56	57	57
	AN	55	57	57
	BN	55	57	58
	D	56	58	59
	C	58	63	63
	AVG	56	58	59

Alternative 3: Sacramento River at Bend Bridge				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
AUG	W	57	59	60
	AN	57	59	60
	BN	56	59	60
	D	57	60	61
	C	60	67	67
	AVG	57	60	61
SEP	W	57	58	60
	AN	58	59	61
	BN	58	60	61
	D	58	63	63
	C	62	67	67
	AVG	58	61	62
OCT	W	54	57	57
	AN	55	57	57
	BN	55	58	58
	D	55	58	58
	C	56	60	59
	AVG	55	58	58
NOV	W	51	53	53
	AN	51	53	53
	BN	51	53	53
	D	51	54	53
	C	52	54	54
	AVG	51	53	53
DEC	W	47	48	48
	AN	46	48	48
	BN	47	49	49
	D	46	48	49
	C	47	49	49
	AVG	47	48	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Bend Bridge, Year-Round

Alternative 3: Sacramento River at Bend Bridge			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
JAN	W	1.5 (3.2%)	0 (0%)
	AN	1.6 (3.5%)	0 (0.1%)
	BN	1.8 (4%)	0.1 (0.1%)
	D	1.9 (4.3%)	0 (0.1%)
	C	2 (4.4%)	-0.3 (-0.6%)
	AVG	1.7 (3.8%)	0 (0%)
FEB	W	1.6 (3.4%)	0 (0%)
	AN	1.6 (3.5%)	0 (0%)
	BN	1.7 (3.6%)	0 (-0.1%)
	D	1.9 (4%)	0 (0%)
	C	2 (4.3%)	0 (0%)
	AVG	1.7 (3.7%)	0 (0%)
MAR	W	1.5 (3%)	0 (0%)
	AN	1.6 (3.3%)	0 (0.1%)
	BN	1.6 (3.3%)	-0.1 (-0.2%)
	D	1.6 (3.3%)	-0.1 (-0.1%)
	C	1.6 (3.2%)	-0.2 (-0.4%)
	AVG	1.6 (3.2%)	-0.1 (-0.1%)
APR	W	1.8 (3.4%)	0 (0%)
	AN	1.7 (3.3%)	-0.2 (-0.4%)
	BN	1.7 (3.1%)	-0.1 (-0.3%)
	D	1.6 (3.1%)	-0.3 (-0.5%)
	C	1.8 (3.5%)	-0.2 (-0.4%)
	AVG	1.7 (3.3%)	-0.1 (-0.3%)
MAY	W	2.5 (4.6%)	-0.4 (-0.8%)
	AN	1.3 (2.3%)	-0.5 (-0.8%)
	BN	1.7 (3.1%)	-0.5 (-0.8%)
	D	1.2 (2.1%)	-0.7 (-1.2%)
	C	1.8 (3.3%)	-0.1 (-0.2%)
	AVG	1.8 (3.3%)	-0.5 (-0.8%)
JUN	W	0.9 (1.5%)	-0.6 (-1.1%)
	AN	0.8 (1.4%)	-0.6 (-1.1%)
	BN	1.6 (3%)	0 (0%)
	D	2.1 (3.7%)	0.1 (0.2%)
	C	2 (3.6%)	0 (0%)
	AVG	1.4 (2.5%)	-0.3 (-0.5%)
JUL	W	1.2 (2.2%)	0.2 (0.4%)
	AN	1.8 (3.2%)	0.3 (0.6%)
	BN	2.6 (4.7%)	0.9 (1.6%)
	D	3.2 (5.7%)	0.8 (1.3%)
	C	5.2 (8.9%)	0.2 (0.3%)
	AVG	2.5 (4.5%)	0.5 (0.8%)

Alternative 3: Sacramento River at Bend Bridge			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
AUG	W	2.9 (5.1%)	0.3 (0.5%)
	AN	2.6 (4.6%)	0.7 (1.2%)
	BN	3.6 (6.4%)	0.9 (1.5%)
	D	4.2 (7.3%)	1.1 (1.8%)
	C	7.5 (12.5%)	0.4 (0.7%)
	AVG	3.9 (6.9%)	0.7 (1.1%)
SEP	W	3.4 (6.1%)	2.2 (3.8%)
	AN	2.8 (4.8%)	1.5 (2.6%)
	BN	3.6 (6.3%)	0.7 (1.1%)
	D	4.9 (8.4%)	0 (0%)
	C	5.2 (8.4%)	-0.1 (-0.1%)
	AVG	3.9 (6.8%)	1 (1.7%)
OCT	W	2.7 (4.9%)	-0.2 (-0.3%)
	AN	2.7 (4.9%)	0.1 (0.1%)
	BN	3.2 (5.9%)	0.3 (0.5%)
	D	3.1 (5.6%)	-0.1 (-0.1%)
	C	3.1 (5.5%)	-0.3 (-0.4%)
	AVG	2.9 (5.3%)	0 (-0.1%)
NOV	W	2 (3.9%)	-0.3 (-0.6%)
	AN	2 (4%)	-0.2 (-0.4%)
	BN	2.3 (4.4%)	-0.3 (-0.5%)
	D	2.1 (4.1%)	-0.2 (-0.3%)
	C	2.2 (4.2%)	-0.2 (-0.4%)
	AVG	2.1 (4.1%)	-0.3 (-0.5%)
DEC	W	1.3 (2.7%)	0.1 (0.2%)
	AN	1.8 (3.9%)	0 (-0.1%)
	BN	2 (4.3%)	0 (0.1%)
	D	2 (4.3%)	0.1 (0.1%)
	C	2 (4.2%)	0 (0%)
	AVG	1.7 (3.7%)	0 (0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.3.4 Sacramento River at Red Bluff Diversion Dam

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 3 Model Scenarios in the Sacramento River at Red Bluff Diversion Dam, Year-Round

Alternative 3: Sacramento River at Red Bluff Diversion Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
JAN	W	45	46	46
	AN	45	47	47
	BN	44	46	46
	D	44	46	46
	C	44	47	46
	AVG	45	46	46
FEB	W	46	47	47
	AN	46	48	48
	BN	46	48	48
	D	46	48	48
	C	47	49	49
	AVG	46	48	48
MAR	W	48	50	50
	AN	49	51	51
	BN	49	51	51
	D	50	52	52
	C	51	53	52
	AVG	49	51	51
APR	W	52	54	54
	AN	53	55	55
	BN	54	55	55
	D	54	55	55
	C	53	55	55
	AVG	53	55	55
MAY	W	55	58	58
	AN	56	58	58
	BN	56	58	58
	D	56	58	57
	C	57	59	58
	AVG	56	58	58
JUN	W	57	59	58
	AN	57	58	58
	BN	57	58	58
	D	57	59	59
	C	58	60	60
	AVG	57	59	59
JUL	W	58	59	59
	AN	57	59	59
	BN	57	59	60
	D	57	60	61
	C	60	64	65
	AVG	58	60	60

Alternative 3: Sacramento River at Red Bluff Diversion Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
AUG	W	58	61	61
	AN	59	61	61
	BN	58	61	62
	D	59	62	63
	C	61	68	69
	AVG	59	62	63
SEP	W	58	59	61
	AN	59	60	62
	BN	59	62	63
	D	59	64	64
	C	63	68	68
	AVG	59	62	63
OCT	W	55	57	57
	AN	55	57	57
	BN	55	58	58
	D	55	59	59
	C	56	60	60
	AVG	55	58	58
NOV	W	50	53	52
	AN	50	53	53
	BN	51	53	53
	D	51	53	53
	C	52	54	54
	AVG	51	53	53
DEC	W	46	48	48
	AN	46	48	48
	BN	46	48	48
	D	46	48	48
	C	46	48	48
	AVG	46	48	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Red Bluff Diversion Dam, Year-Round

Alternative 3: Sacramento River at Red Bluff Diversion Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
JAN	W	1.5 (3.3%)	0 (0%)
	AN	1.7 (3.7%)	0 (0.1%)
	BN	1.9 (4.2%)	0.1 (0.2%)
	D	2 (4.5%)	0 (0.1%)
	C	2 (4.6%)	-0.3 (-0.6%)
	AVG	1.8 (4%)	0 (0%)
FEB	W	1.6 (3.5%)	0 (0%)
	AN	1.6 (3.6%)	0 (0%)
	BN	1.7 (3.7%)	0 (-0.1%)
	D	1.9 (4.2%)	0 (0%)
	C	2.1 (4.4%)	0 (0%)
	AVG	1.8 (3.8%)	0 (0%)
MAR	W	1.5 (3.1%)	0 (0%)
	AN	1.6 (3.3%)	0 (0.1%)
	BN	1.7 (3.4%)	-0.1 (-0.2%)
	D	1.7 (3.3%)	-0.1 (-0.1%)
	C	1.7 (3.3%)	-0.2 (-0.4%)
	AVG	1.6 (3.2%)	-0.1 (-0.1%)
APR	W	1.8 (3.5%)	0 (0%)
	AN	1.8 (3.3%)	-0.2 (-0.4%)
	BN	1.7 (3.2%)	-0.2 (-0.3%)
	D	1.7 (3.1%)	-0.3 (-0.5%)
	C	1.8 (3.5%)	-0.2 (-0.4%)
	AVG	1.8 (3.3%)	-0.1 (-0.3%)
MAY	W	2.6 (4.7%)	-0.5 (-0.8%)
	AN	1.3 (2.3%)	-0.5 (-0.9%)
	BN	1.8 (3.1%)	-0.5 (-0.9%)
	D	1.2 (2.1%)	-0.7 (-1.3%)
	C	1.9 (3.3%)	-0.1 (-0.2%)
	AVG	1.8 (3.3%)	-0.5 (-0.8%)
JUN	W	1 (1.7%)	-0.7 (-1.1%)
	AN	0.8 (1.4%)	-0.7 (-1.2%)
	BN	1.7 (3%)	-0.1 (-0.2%)
	D	2.1 (3.7%)	0 (0.1%)
	C	2 (3.4%)	0 (0%)
	AVG	1.5 (2.6%)	-0.3 (-0.6%)
JUL	W	1.3 (2.2%)	0.2 (0.3%)
	AN	1.8 (3.2%)	0.3 (0.5%)
	BN	2.7 (4.7%)	0.9 (1.5%)
	D	3.3 (5.7%)	0.8 (1.4%)
	C	5.1 (8.5%)	0.2 (0.3%)
	AVG	2.6 (4.5%)	0.5 (0.8%)

Alternative 3: Sacramento River at Red Bluff Diversion Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
AUG	W	3.1 (5.2%)	0.3 (0.4%)
	AN	2.7 (4.7%)	0.7 (1.2%)
	BN	3.7 (6.4%)	0.9 (1.5%)
	D	4.3 (7.4%)	1.2 (2%)
	C	7.4 (12%)	0.4 (0.6%)
	AVG	4 (6.9%)	0.7 (1.1%)
SEP	W	3.7 (6.4%)	2.5 (4.2%)
	AN	2.8 (4.8%)	1.7 (2.9%)
	BN	3.7 (6.3%)	0.7 (1.1%)
	D	5 (8.4%)	0 (0%)
	C	5.2 (8.2%)	-0.1 (-0.1%)
	AVG	4.1 (6.9%)	1.1 (1.8%)
OCT	W	2.7 (4.9%)	-0.1 (-0.3%)
	AN	2.7 (4.8%)	0.1 (0.1%)
	BN	3.2 (5.8%)	0.3 (0.5%)
	D	3 (5.5%)	-0.1 (-0.1%)
	C	3.1 (5.5%)	-0.2 (-0.4%)
	AVG	2.9 (5.3%)	0 (-0.1%)
NOV	W	2.1 (4.1%)	-0.3 (-0.6%)
	AN	2.1 (4.2%)	-0.2 (-0.4%)
	BN	2.3 (4.6%)	-0.3 (-0.5%)
	D	2.2 (4.3%)	-0.2 (-0.3%)
	C	2.2 (4.3%)	-0.2 (-0.4%)
	AVG	2.2 (4.2%)	-0.3 (-0.5%)
DEC	W	1.3 (2.9%)	0.1 (0.2%)
	AN	1.9 (4%)	0 (-0.1%)
	BN	2 (4.4%)	0 (0.1%)
	D	2.1 (4.5%)	0.1 (0.2%)
	C	2.1 (4.5%)	0 (0%)
	AVG	1.8 (3.9%)	0 (0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.3.5 Sacramento River at Hamilton City

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 3 Model Scenarios in the Sacramento River at Hamilton City, Year-Round

Alternative 3: Sacramento River at Hamilton City				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
JAN	W	45	47	47
	AN	45	47	47
	BN	44	46	46
	D	44	46	46
	C	44	47	47
	AVG	45	47	47
FEB	W	46	48	48
	AN	47	48	48
	BN	46	48	48
	D	47	49	49
	C	48	50	50
	AVG	47	49	49
MAR	W	49	51	51
	AN	51	52	52
	BN	51	53	53
	D	52	54	53
	C	52	54	54
	AVG	51	52	52
APR	W	54	55	55
	AN	55	57	57
	BN	56	58	57
	D	56	58	58
	C	56	58	58
	AVG	55	57	57
MAY	W	58	62	61
	AN	60	62	61
	BN	59	62	61
	D	59	61	60
	C	60	62	62
	AVG	59	62	61
JUN	W	61	63	62
	AN	61	62	61
	BN	60	62	62
	D	60	63	63
	C	61	63	63
	AVG	61	63	62
JUL	W	62	63	63
	AN	61	63	63
	BN	61	63	64
	D	61	64	65
	C	63	68	68
	AVG	62	64	64

Alternative 3: Sacramento River at Hamilton City				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
AUG	W	62	65	65
	AN	62	64	65
	BN	62	65	66
	D	62	65	67
	C	65	71	72
	AVG	62	66	67
SEP	W	60	61	64
	AN	62	63	65
	BN	62	65	66
	D	62	67	67
	C	64	69	69
	AVG	62	65	66
OCT	W	55	58	58
	AN	56	58	58
	BN	56	59	59
	D	56	59	59
	C	57	60	60
	AVG	56	59	59
NOV	W	50	53	52
	AN	50	53	53
	BN	50	53	53
	D	51	53	53
	C	52	54	54
	AVG	51	53	53
DEC	W	46	47	47
	AN	46	48	48
	BN	45	48	48
	D	45	48	48
	C	45	48	48
	AVG	46	47	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Hamilton City, Year-Round

Alternative 3: Sacramento River at Hamilton City			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
JAN	W	1.6 (3.6%)	0 (0%)
	AN	1.8 (4%)	0 (0.1%)
	BN	2 (4.5%)	0 (0.1%)
	D	2.2 (5%)	0.1 (0.1%)
	C	2.2 (5%)	-0.2 (-0.5%)
	AVG	1.9 (4.3%)	0 (0%)
FEB	W	1.7 (3.6%)	0 (0%)
	AN	1.7 (3.7%)	0 (0%)
	BN	1.8 (3.9%)	0 (-0.1%)
	D	2.1 (4.4%)	0 (-0.1%)
	C	2.3 (4.7%)	0 (0%)
	AVG	1.9 (4%)	0 (0%)
MAR	W	1.5 (3.1%)	0 (0%)
	AN	1.7 (3.3%)	0 (0.1%)
	BN	1.7 (3.4%)	-0.1 (-0.3%)
	D	1.7 (3.3%)	-0.1 (-0.2%)
	C	1.7 (3.3%)	-0.2 (-0.4%)
	AVG	1.7 (3.3%)	-0.1 (-0.1%)
APR	W	1.9 (3.5%)	0 (0%)
	AN	1.9 (3.4%)	-0.2 (-0.4%)
	BN	1.8 (3.2%)	-0.2 (-0.4%)
	D	1.8 (3.3%)	-0.2 (-0.4%)
	C	1.9 (3.4%)	-0.2 (-0.3%)
	AVG	1.8 (3.4%)	-0.2 (-0.3%)
MAY	W	2.8 (4.8%)	-0.5 (-0.8%)
	AN	1.4 (2.4%)	-0.6 (-1%)
	BN	1.8 (3.1%)	-0.7 (-1.1%)
	D	1.2 (2%)	-0.8 (-1.4%)
	C	1.9 (3.2%)	-0.1 (-0.2%)
	AVG	1.9 (3.3%)	-0.6 (-0.9%)
JUN	W	1.1 (1.8%)	-0.8 (-1.3%)
	AN	0.8 (1.3%)	-0.9 (-1.5%)
	BN	1.8 (3%)	-0.2 (-0.3%)
	D	2.1 (3.5%)	0 (-0.1%)
	C	2 (3.2%)	-0.1 (-0.2%)
	AVG	1.5 (2.5%)	-0.4 (-0.7%)
JUL	W	1.4 (2.3%)	0.1 (0.2%)
	AN	2 (3.3%)	0.3 (0.6%)
	BN	2.9 (4.8%)	0.8 (1.3%)
	D	3.5 (5.7%)	1 (1.5%)
	C	5 (8%)	0.2 (0.3%)
	AVG	2.7 (4.4%)	0.5 (0.8%)

Alternative 3: Sacramento River at Hamilton City			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
AUG	W	3.5 (5.6%)	0.3 (0.4%)
	AN	2.9 (4.7%)	0.8 (1.3%)
	BN	4 (6.5%)	1 (1.6%)
	D	4.7 (7.6%)	1.5 (2.3%)
	C	7.1 (10.9%)	0.5 (0.6%)
	AVG	4.3 (6.9%)	0.8 (1.2%)
SEP	W	4.3 (7.1%)	3.2 (5.2%)
	AN	3 (4.8%)	2.2 (3.4%)
	BN	3.8 (6.1%)	0.6 (0.9%)
	D	5.1 (8.2%)	0 (-0.1%)
	C	4.8 (7.5%)	-0.2 (-0.3%)
	AVG	4.2 (6.9%)	1.4 (2.1%)
OCT	W	2.6 (4.7%)	-0.1 (-0.2%)
	AN	2.6 (4.7%)	-0.1 (-0.1%)
	BN	3.1 (5.5%)	0.2 (0.3%)
	D	2.9 (5.1%)	-0.1 (-0.2%)
	C	3 (5.2%)	-0.3 (-0.4%)
	AVG	2.8 (5%)	-0.1 (-0.1%)
NOV	W	2.2 (4.4%)	-0.2 (-0.4%)
	AN	2.3 (4.6%)	-0.1 (-0.2%)
	BN	2.4 (4.8%)	-0.2 (-0.4%)
	D	2.3 (4.5%)	-0.2 (-0.3%)
	C	2.4 (4.7%)	-0.2 (-0.4%)
	AVG	2.3 (4.5%)	-0.2 (-0.4%)
DEC	W	1.5 (3.3%)	0.1 (0.1%)
	AN	2 (4.4%)	0 (-0.1%)
	BN	2.2 (4.8%)	0.1 (0.1%)
	D	2.3 (5%)	0.1 (0.3%)
	C	2.3 (5%)	0 (0.1%)
	AVG	2 (4.3%)	0.1 (0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.3.6 Trinity River below Lewiston Reservoir

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 3 Model Scenarios in the Trinity River below Lewiston Reservoir, Year-Round

Alternative 3: Trinity River below Lewiston Reservoir				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
JAN	W	41	43	43
	AN	38	41	41
	BN	39	41	40
	D	39	41	41
	C	39	42	42
	AVG	39	42	42
FEB	W	43	45	45
	AN	43	45	45
	BN	42	44	44
	D	42	45	45
	C	43	45	46
	AVG	43	45	45
MAR	W	46	48	47
	AN	47	49	49
	BN	47	48	48
	D	48	50	50
	C	48	50	50
	AVG	47	49	49
APR	W	49	51	51
	AN	50	52	53
	BN	51	53	53
	D	51	53	53
	C	50	52	53
	AVG	50	52	52
MAY	W	46	48	48
	AN	46	48	48
	BN	46	49	49
	D	47	49	49
	C	49	52	53
	AVG	47	49	49
JUN	W	48	51	50
	AN	51	52	52
	BN	52	53	54
	D	52	54	54
	C	56	59	59
	AVG	51	53	53
JUL	W	51	55	53
	AN	52	54	53
	BN	52	55	55
	D	51	54	54
	C	53	60	59
	AVG	51	55	55

Alternative 3: Trinity River below Lewiston Reservoir				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
AUG	W	52	54	54
	AN	51	53	53
	BN	52	55	55
	D	50	54	55
	C	54	63	63
	AVG	52	56	56
SEP	W	49	51	52
	AN	50	51	52
	BN	51	55	56
	D	50	56	57
	C	57	62	62
	AVG	51	54	55
OCT	W	48	51	51
	AN	49	52	52
	BN	50	53	53
	D	50	52	52
	C	51	56	55
	AVG	49	52	52
NOV	W	44	47	47
	AN	45	47	47
	BN	45	47	48
	D	44	47	47
	C	46	48	49
	AVG	45	47	47
DEC	W	41	43	43
	AN	39	43	43
	BN	40	42	42
	D	40	42	42
	C	39	41	41
	AVG	40	42	42

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River below Lewiston Reservoir, Year-Round

Alternative 3: Trinity River below Lewiston Reservoir			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
JAN	W	1.9 (4.7%)	-0.1 (-0.3%)
	AN	2.7 (6.9%)	0.2 (0.6%)
	BN	1.6 (4.2%)	-0.4 (-1.1%)
	D	2.7 (7.1%)	0 (0.1%)
	C	2.4 (6%)	0.1 (0.2%)
	AVG	2.2 (5.6%)	-0.1 (-0.2%)
FEB	W	2.3 (5.5%)	0 (-0.1%)
	AN	2.2 (5.1%)	-0.1 (-0.1%)
	BN	2.1 (5.1%)	0 (0%)
	D	2.3 (5.4%)	0 (0.1%)
	C	2.4 (5.5%)	0.2 (0.4%)
	AVG	2.3 (5.4%)	0 (0%)
MAR	W	1.7 (3.7%)	-0.3 (-0.6%)
	AN	1.6 (3.5%)	-0.1 (-0.1%)
	BN	1.7 (3.6%)	-0.1 (-0.3%)
	D	1.4 (3%)	-0.1 (-0.1%)
	C	1.9 (3.9%)	-0.2 (-0.5%)
	AVG	1.7 (3.5%)	-0.2 (-0.3%)
APR	W	1.6 (3.2%)	0.1 (0.2%)
	AN	2.5 (5%)	0.5 (1%)
	BN	2.3 (4.4%)	-0.3 (-0.5%)
	D	2 (4%)	-0.2 (-0.4%)
	C	2.4 (4.8%)	0.3 (0.5%)
	AVG	2 (4.1%)	0 (0.1%)
MAY	W	2.4 (5.3%)	0 (0%)
	AN	2.3 (5%)	0 (-0.1%)
	BN	2.4 (5.1%)	0.1 (0.3%)
	D	2.5 (5.5%)	0 (0%)
	C	3.5 (7%)	0.3 (0.6%)
	AVG	2.6 (5.5%)	0.1 (0.1%)
JUN	W	2.1 (4.4%)	-0.1 (-0.3%)
	AN	1.1 (2.1%)	0 (-0.1%)
	BN	2 (4%)	0.2 (0.4%)
	D	2.4 (4.5%)	0.1 (0.2%)
	C	3.6 (6.5%)	-0.1 (-0.2%)
	AVG	2.2 (4.4%)	0 (0%)
JUL	W	2.6 (5.2%)	-1.2 (-2.2%)
	AN	1.5 (2.9%)	-0.5 (-1%)
	BN	2.9 (5.5%)	-0.4 (-0.6%)
	D	2.8 (5.5%)	0.2 (0.3%)
	C	6.7 (12.8%)	-0.2 (-0.3%)
	AVG	3.2 (6.1%)	-0.5 (-0.9%)

Alternative 3: Trinity River below Lewiston Reservoir			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
AUG	W	1.7 (3.2%)	-0.4 (-0.8%)
	AN	2 (3.8%)	-0.3 (-0.5%)
	BN	3.3 (6.3%)	0.3 (0.6%)
	D	5.3 (10.7%)	1.3 (2.4%)
	C	9.3 (17.3%)	-0.1 (-0.2%)
	AVG	3.9 (7.6%)	0.2 (0.3%)
SEP	W	2.7 (5.6%)	0.8 (1.6%)
	AN	2.4 (4.9%)	0.7 (1.4%)
	BN	4.5 (8.8%)	1 (1.8%)
	D	6.7 (13.4%)	0.9 (1.5%)
	C	5.7 (10.2%)	0.1 (0.1%)
	AVG	4.3 (8.5%)	0.7 (1.3%)
OCT	W	3 (6.4%)	-0.2 (-0.4%)
	AN	2.9 (5.9%)	0.6 (1.1%)
	BN	3.3 (6.7%)	0.5 (0.9%)
	D	2.9 (5.8%)	0.6 (1.2%)
	C	3.5 (6.9%)	-0.9 (-1.6%)
	AVG	3.1 (6.3%)	0.1 (0.2%)
NOV	W	2.8 (6.3%)	0.2 (0.4%)
	AN	2.4 (5.5%)	0.2 (0.4%)
	BN	3.3 (7.3%)	0.7 (1.5%)
	D	2.7 (6.2%)	0 (0%)
	C	2.6 (5.6%)	0.5 (1.1%)
	AVG	2.8 (6.2%)	0.3 (0.6%)
DEC	W	2.1 (5.2%)	0.1 (0.2%)
	AN	3.4 (8.7%)	-0.2 (-0.4%)
	BN	2.2 (5.6%)	-0.3 (-0.7%)
	D	1.9 (4.7%)	0.1 (0.1%)
	C	1.7 (4.2%)	-0.1 (-0.2%)
	AVG	2.2 (5.5%)	-0.1 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.3.7 Trinity River at Douglas City

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 3 Model Scenarios in the Trinity River at Douglas City, Year-Round

Alternative 3: Trinity River at Douglas City				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
JAN	W	40	42	42
	AN	39	40	40
	BN	38	40	40
	D	38	40	40
	C	39	41	41
	AVG	39	41	41
FEB	W	43	45	45
	AN	43	45	45
	BN	42	44	44
	D	43	44	44
	C	43	45	45
	AVG	43	45	45
MAR	W	46	47	47
	AN	47	48	48
	BN	47	48	48
	D	48	49	49
	C	48	49	49
	AVG	47	48	48
APR	W	51	52	52
	AN	52	53	54
	BN	52	54	54
	D	53	54	54
	C	52	54	54
	AVG	52	53	53
MAY	W	48	50	50
	AN	48	50	50
	BN	49	51	51
	D	49	51	51
	C	52	55	55
	AVG	49	51	51
JUN	W	51	54	53
	AN	54	55	55
	BN	55	57	57
	D	57	59	59
	C	60	63	63
	AVG	55	57	57
JUL	W	57	61	60
	AN	58	60	60
	BN	59	62	61
	D	59	62	62
	C	62	67	67
	AVG	59	62	62

Alternative 3: Trinity River at Douglas City				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
AUG	W	60	62	62
	AN	59	61	61
	BN	60	63	63
	D	58	62	63
	C	61	67	67
	AVG	60	63	63
SEP	W	55	57	58
	AN	55	57	58
	BN	56	59	60
	D	55	60	60
	C	59	64	64
	AVG	56	59	60
OCT	W	50	53	53
	AN	51	53	53
	BN	52	54	55
	D	51	53	53
	C	53	56	55
	AVG	51	54	54
NOV	W	44	46	46
	AN	45	47	47
	BN	45	47	47
	D	44	46	46
	C	46	47	48
	AVG	44	47	47
DEC	W	41	43	43
	AN	40	42	42
	BN	39	42	41
	D	40	42	42
	C	39	41	41
	AVG	40	42	42

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River at Douglas City, Year-Round

Alternative 3: Trinity River at Douglas City			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
JAN	W	1.5 (3.7%)	-0.1 (-0.2%)
	AN	1.9 (4.9%)	0.3 (0.7%)
	BN	1.5 (3.8%)	0 (-0.1%)
	D	2.2 (5.7%)	0 (0%)
	C	2.2 (5.6%)	0.1 (0.2%)
	AVG	1.8 (4.6%)	0 (0.1%)
FEB	W	1.6 (3.6%)	0 (-0.1%)
	AN	1.5 (3.5%)	0 (0%)
	BN	1.6 (3.8%)	0 (0%)
	D	1.6 (3.8%)	0 (0.1%)
	C	1.8 (4.1%)	-0.1 (-0.1%)
	AVG	1.6 (3.7%)	0 (0%)
MAR	W	1.1 (2.5%)	-0.1 (-0.1%)
	AN	1 (2.1%)	0 (0%)
	BN	1.1 (2.4%)	-0.1 (-0.1%)
	D	1 (2.1%)	0 (0%)
	C	1.4 (3%)	-0.1 (-0.2%)
	AVG	1.1 (2.4%)	-0.1 (-0.1%)
APR	W	1.2 (2.4%)	0 (0%)
	AN	1.7 (3.2%)	0.3 (0.6%)
	BN	1.6 (3%)	-0.1 (-0.2%)
	D	1.6 (3%)	-0.1 (-0.2%)
	C	2 (3.8%)	0.2 (0.3%)
	AVG	1.5 (3%)	0 (0%)
MAY	W	2.3 (4.9%)	0 (0%)
	AN	2.2 (4.7%)	0 (0%)
	BN	2.3 (4.6%)	0.1 (0.3%)
	D	2.5 (5%)	0 (0%)
	C	3.2 (6.2%)	0.2 (0.4%)
	AVG	2.5 (5.1%)	0.1 (0.1%)
JUN	W	2 (3.9%)	-0.1 (-0.2%)
	AN	1 (1.8%)	0 (0%)
	BN	2 (3.5%)	0.1 (0.2%)
	D	2.4 (4.2%)	0.1 (0.1%)
	C	3.1 (5.1%)	-0.1 (-0.1%)
	AVG	2.1 (3.8%)	0 (0%)
JUL	W	3 (5.2%)	-0.8 (-1.3%)
	AN	1.9 (3.2%)	-0.4 (-0.6%)
	BN	2.4 (4%)	-0.3 (-0.5%)
	D	2.8 (4.7%)	0.1 (0.2%)
	C	4.9 (7.9%)	0.3 (0.4%)
	AVG	3 (5%)	-0.3 (-0.5%)

Alternative 3: Trinity River at Douglas City			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
AUG	W	2.3 (3.9%)	-0.2 (-0.3%)
	AN	2.5 (4.2%)	-0.1 (-0.2%)
	BN	3.2 (5.4%)	0.2 (0.3%)
	D	4.4 (7.6%)	0.7 (1.1%)
	C	6.5 (10.7%)	0.2 (0.3%)
	AVG	3.6 (6%)	0.1 (0.2%)
SEP	W	2.9 (5.3%)	0.5 (0.8%)
	AN	2.7 (4.9%)	0.4 (0.7%)
	BN	3.9 (7%)	0.6 (1%)
	D	5.2 (9.5%)	0.5 (0.9%)
	C	5.2 (8.9%)	0 (-0.1%)
	AVG	3.9 (7%)	0.4 (0.7%)
OCT	W	2.4 (4.8%)	-0.1 (-0.2%)
	AN	2.3 (4.5%)	0.4 (0.7%)
	BN	2.6 (5.1%)	0.3 (0.5%)
	D	2.3 (4.5%)	0.4 (0.7%)
	C	2.5 (4.8%)	-0.6 (-1%)
	AVG	2.4 (4.8%)	0.1 (0.1%)
NOV	W	2.2 (5%)	0.1 (0.2%)
	AN	2.1 (4.7%)	0.1 (0.2%)
	BN	2.6 (5.8%)	0.4 (0.8%)
	D	2.2 (5.1%)	0 (0.1%)
	C	2.1 (4.7%)	0.3 (0.6%)
	AVG	2.2 (5%)	0.2 (0.3%)
DEC	W	1.5 (3.7%)	0.1 (0.3%)
	AN	2.2 (5.6%)	-0.2 (-0.4%)
	BN	2 (5%)	-0.1 (-0.4%)
	D	2 (5%)	0.3 (0.6%)
	C	2.3 (6%)	0.1 (0.3%)
	AVG	1.9 (4.8%)	0.1 (0.2%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.3.8 Trinity River below North Fork

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 3 Model Scenarios in the Trinity River below North Fork, Year-Round

Alternative 3: Trinity River below North Fork				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
JAN	W	40	41	41
	AN	38	39	40
	BN	38	39	39
	D	38	39	39
	C	38	40	40
	AVG	39	40	40
FEB	W	43	44	44
	AN	43	44	44
	BN	43	44	44
	D	43	44	44
	C	43	45	45
	AVG	43	44	44
MAR	W	46	47	47
	AN	46	47	47
	BN	46	47	47
	D	47	48	48
	C	48	49	49
	AVG	47	47	47
APR	W	53	53	53
	AN	54	54	55
	BN	54	55	55
	D	54	55	55
	C	54	55	55
	AVG	53	54	54
MAY	W	50	52	52
	AN	50	52	52
	BN	51	53	53
	D	51	54	54
	C	54	57	57
	AVG	51	53	53
JUN	W	55	57	57
	AN	58	58	58
	BN	60	61	61
	D	62	64	64
	C	63	66	66
	AVG	59	61	61
JUL	W	63	66	66
	AN	63	66	65
	BN	65	67	67
	D	65	68	68
	C	68	71	71
	AVG	65	67	67

Alternative 3: Trinity River below North Fork				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
AUG	W	65	68	67
	AN	64	67	67
	BN	65	68	68
	D	64	67	67
	C	65	69	69
	AVG	65	68	68
SEP	W	59	62	62
	AN	59	61	61
	BN	59	62	63
	D	58	62	62
	C	61	64	64
	AVG	59	62	62
OCT	W	53	55	55
	AN	53	55	55
	BN	54	56	56
	D	53	54	55
	C	54	56	56
	AVG	53	55	55
NOV	W	44	45	45
	AN	44	46	46
	BN	44	46	46
	D	44	45	45
	C	45	47	47
	AVG	44	46	46
DEC	W	41	42	42
	AN	40	42	41
	BN	39	41	41
	D	40	41	41
	C	38	40	40
	AVG	40	41	41

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River below North Fork, Year-Round

Alternative 3: Trinity River below North Fork			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
JAN	W	1.1 (2.8%)	0 (-0.1%)
	AN	1.3 (3.5%)	0.3 (0.7%)
	BN	1.1 (3%)	0.1 (0.2%)
	D	1.6 (4.2%)	0 (0%)
	C	1.7 (4.5%)	0 (0%)
	AVG	1.3 (3.5%)	0 (0.1%)
FEB	W	1 (2.4%)	0 (-0.1%)
	AN	1 (2.4%)	0 (0.1%)
	BN	1.1 (2.7%)	0 (0%)
	D	1.1 (2.5%)	0 (0%)
	C	1.4 (3.2%)	-0.1 (-0.1%)
	AVG	1.1 (2.6%)	0 (0%)
MAR	W	0.7 (1.6%)	0 (0%)
	AN	0.6 (1.3%)	0 (0%)
	BN	0.7 (1.5%)	0 (0%)
	D	0.7 (1.5%)	0 (0%)
	C	1 (2.2%)	0 (-0.1%)
	AVG	0.8 (1.6%)	0 (0%)
APR	W	0.8 (1.5%)	0 (0%)
	AN	1 (2%)	0.1 (0.2%)
	BN	1 (1.9%)	0 (-0.1%)
	D	1.1 (2.1%)	-0.1 (-0.1%)
	C	1.5 (2.8%)	0.1 (0.1%)
	AVG	1 (2%)	0 (0%)
MAY	W	2.1 (4.2%)	0 (0%)
	AN	2.1 (4.1%)	0 (-0.1%)
	BN	2 (3.9%)	0.1 (0.2%)
	D	2.2 (4.3%)	0 (0%)
	C	2.8 (5.2%)	0.2 (0.3%)
	AVG	2.2 (4.3%)	0 (0.1%)
JUN	W	1.8 (3.2%)	-0.1 (-0.1%)
	AN	0.7 (1.3%)	0 (0%)
	BN	1.8 (3%)	0.1 (0.1%)
	D	2.2 (3.6%)	0 (0%)
	C	2.5 (3.9%)	0 (-0.1%)
	AVG	1.8 (3.1%)	0 (0%)
JUL	W	2.9 (4.7%)	-0.5 (-0.7%)
	AN	2 (3.1%)	-0.2 (-0.3%)
	BN	2 (3.2%)	-0.2 (-0.3%)
	D	2.6 (3.9%)	0 (0.1%)
	C	3.5 (5.1%)	0.1 (0.2%)
	AVG	2.6 (4.1%)	-0.2 (-0.3%)

Alternative 3: Trinity River below North Fork			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
AUG	W	2.4 (3.7%)	-0.1 (-0.1%)
	AN	2.6 (4%)	-0.1 (-0.1%)
	BN	2.9 (4.5%)	0.1 (0.1%)
	D	3.6 (5.6%)	0.3 (0.5%)
	C	4.1 (6.3%)	0.2 (0.3%)
	AVG	3 (4.7%)	0.1 (0.1%)
SEP	W	2.8 (4.7%)	0.2 (0.4%)
	AN	2.7 (4.6%)	0.2 (0.3%)
	BN	3.3 (5.6%)	0.3 (0.5%)
	D	4 (6.8%)	0.2 (0.4%)
	C	3 (5%)	0 (0.1%)
	AVG	3.2 (5.3%)	0.2 (0.3%)
OCT	W	1.9 (3.6%)	-0.1 (-0.1%)
	AN	1.9 (3.6%)	0.1 (0.1%)
	BN	2.1 (3.9%)	0.1 (0.2%)
	D	2 (3.7%)	0.2 (0.3%)
	C	2.3 (4.3%)	-0.3 (-0.5%)
	AVG	2 (3.8%)	0 (0%)
NOV	W	1.6 (3.7%)	0 (0%)
	AN	1.6 (3.6%)	0 (0.1%)
	BN	2 (4.5%)	0.2 (0.3%)
	D	1.7 (3.9%)	0 (0%)
	C	1.8 (4%)	0.1 (0.3%)
	AVG	1.7 (3.9%)	0.1 (0.1%)
DEC	W	1.1 (2.6%)	0.2 (0.4%)
	AN	1.4 (3.6%)	-0.1 (-0.2%)
	BN	1.6 (4.2%)	0 (-0.1%)
	D	1.6 (3.9%)	0.1 (0.3%)
	C	1.9 (5%)	0 (0%)
	AVG	1.5 (3.7%)	0.1 (0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.3.9 Feather River at Fish Barrier Dam

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 3 Model Scenarios in the Feather River at Fish Barrier Dam, Year-Round

Alternative 3: Feather River at Fish Barrier Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
JAN	W	48	51	51
	AN	47	50	51
	BN	48	51	51
	D	47	51	51
	C	48	51	51
	AVG	48	51	51
FEB	W	48	51	51
	AN	48	51	51
	BN	48	51	51
	D	49	52	52
	C	49	53	53
	AVG	48	51	51
MAR	W	49	51	52
	AN	49	51	51
	BN	50	53	53
	D	51	53	53
	C	51	54	54
	AVG	50	52	53
APR	W	51	52	53
	AN	51	53	53
	BN	52	54	54
	D	52	54	54
	C	52	54	54
	AVG	51	53	53
MAY	W	55	56	55
	AN	56	56	56
	BN	56	56	56
	D	56	56	56
	C	56	57	57
	AVG	55	56	56
JUN	W	57	58	58
	AN	58	58	58
	BN	58	58	58
	D	58	58	58
	C	58	59	59
	AVG	58	58	58
JUL	W	61	61	62
	AN	61	61	61
	BN	61	61	62
	D	61	61	62
	C	61	62	63
	AVG	61	61	62

Alternative 3: Feather River at Fish Barrier Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
AUG	W	61	61	61
	AN	60	60	61
	BN	60	60	61
	D	60	62	61
	C	62	64	64
	AVG	61	61	61
SEP	W	56	55	57
	AN	56	55	57
	BN	56	57	58
	D	56	61	58
	C	58	63	62
	AVG	56	58	58
OCT	W	54	58	55
	AN	55	58	58
	BN	54	58	57
	D	54	59	57
	C	54	58	57
	AVG	54	58	57
NOV	W	52	58	55
	AN	53	58	56
	BN	53	58	56
	D	52	59	57
	C	53	58	58
	AVG	53	58	56
DEC	W	49	53	53
	AN	49	55	54
	BN	49	54	54
	D	49	54	54
	C	49	54	54
	AVG	49	54	54

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Fish Barrier Dam, Year-Round

Alternative 3: Feather River at Fish Barrier Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
JAN	W	3.1 (6.5%)	0.4 (0.7%)
	AN	3.3 (7%)	0.3 (0.5%)
	BN	3 (6.3%)	0 (0%)
	D	3.8 (8%)	0.4 (0.8%)
	C	3.7 (7.9%)	-0.1 (-0.1%)
	AVG	3.4 (7.1%)	0.2 (0.5%)
FEB	W	2.9 (6%)	0.3 (0.6%)
	AN	2.7 (5.7%)	0.2 (0.4%)
	BN	3.1 (6.5%)	0.1 (0.3%)
	D	3.1 (6.4%)	0.2 (0.4%)
	C	3.6 (7.2%)	0.1 (0.2%)
	AVG	3.1 (6.3%)	0.2 (0.4%)
MAR	W	2.9 (5.9%)	0.4 (0.7%)
	AN	2.3 (4.7%)	0.1 (0.1%)
	BN	3.3 (6.7%)	0.1 (0.1%)
	D	2.3 (4.6%)	0 (0%)
	C	3.2 (6.2%)	0 (0.1%)
	AVG	2.8 (5.6%)	0.1 (0.3%)
APR	W	2 (4.1%)	0.2 (0.4%)
	AN	1.8 (3.5%)	0.1 (0.2%)
	BN	1.7 (3.2%)	0 (-0.1%)
	D	1.7 (3.2%)	-0.2 (-0.5%)
	C	2.5 (4.8%)	-0.1 (-0.1%)
	AVG	1.9 (3.8%)	0 (0%)
MAY	W	0.5 (1%)	-0.2 (-0.3%)
	AN	0 (-0.1%)	-0.6 (-1%)
	BN	0 (0%)	-0.3 (-0.6%)
	D	0.3 (0.5%)	0 (0%)
	C	0.7 (1.2%)	-0.1 (-0.2%)
	AVG	0.3 (0.6%)	-0.2 (-0.4%)
JUN	W	0.3 (0.6%)	-0.1 (-0.2%)
	AN	0 (-0.1%)	-0.4 (-0.7%)
	BN	-0.1 (-0.2%)	-0.3 (-0.6%)
	D	0.6 (1%)	0.1 (0.1%)
	C	0.9 (1.5%)	-0.3 (-0.5%)
	AVG	0.3 (0.6%)	-0.2 (-0.3%)
JUL	W	0.4 (0.7%)	0.3 (0.5%)
	AN	0.6 (1%)	0.3 (0.5%)
	BN	0.8 (1.4%)	0.4 (0.7%)
	D	1.4 (2.2%)	0.8 (1.3%)
	C	2.2 (3.7%)	0.8 (1.3%)
	AVG	1 (1.6%)	0.5 (0.8%)

Alternative 3: Feather River at Fish Barrier Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
AUG	W	0.3 (0.4%)	0.5 (0.9%)
	AN	0.7 (1.1%)	0.5 (0.8%)
	BN	0.8 (1.3%)	0.3 (0.4%)
	D	1.5 (2.5%)	-0.4 (-0.6%)
	C	1.9 (3.1%)	-0.5 (-0.8%)
	AVG	0.9 (1.5%)	0.1 (0.2%)
SEP	W	1.4 (2.6%)	2 (3.7%)
	AN	1 (1.8%)	1.5 (2.7%)
	BN	1.8 (3.3%)	0.3 (0.5%)
	D	2.4 (4.3%)	-2.5 (-4.2%)
	C	3.8 (6.6%)	-1.6 (-2.5%)
	AVG	2 (3.6%)	0.1 (0.2%)
OCT	W	1.8 (3.4%)	-2.7 (-4.7%)
	AN	2.6 (4.7%)	-0.8 (-1.4%)
	BN	3 (5.6%)	-1.3 (-2.2%)
	D	3.7 (6.9%)	-2 (-3.3%)
	C	2.6 (4.7%)	-1.2 (-2.1%)
	AVG	2.7 (4.9%)	-1.8 (-3.1%)
NOV	W	3.2 (6.1%)	-2.7 (-4.6%)
	AN	3.2 (6.1%)	-1.7 (-2.9%)
	BN	3.6 (6.7%)	-1.9 (-3.2%)
	D	4.2 (8%)	-2.1 (-3.6%)
	C	5 (9.4%)	-0.2 (-0.4%)
	AVG	3.7 (7.1%)	-1.9 (-3.3%)
DEC	W	4 (8.2%)	-0.5 (-0.9%)
	AN	4.5 (9.2%)	-1.1 (-2%)
	BN	5 (10.3%)	-0.5 (-0.9%)
	D	4.8 (9.7%)	-0.3 (-0.6%)
	C	5.3 (10.8%)	0.6 (1.1%)
	AVG	4.6 (9.4%)	-0.4 (-0.7%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.3.10 Feather River Low-Flow Channel (above Thermalito Afterbay)

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 3 Model Scenarios in the Feather River Low-Flow Channel (above Thermalito Afterbay), Year-Round

Alternative 3: Feather River Low-Flow Channel (above Thermalito Afterbay)				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
JAN	W	47	50	51
	AN	47	50	50
	BN	47	50	50
	D	47	50	50
	C	47	51	51
	AVG	47	50	50
FEB	W	49	51	52
	AN	49	51	52
	BN	49	52	52
	D	49	52	52
	C	50	53	53
	AVG	49	52	52
MAR	W	50	53	53
	AN	51	53	53
	BN	51	54	54
	D	52	55	55
	C	53	56	56
	AVG	51	54	54
APR	W	53	55	56
	AN	55	57	57
	BN	55	57	57
	D	55	57	57
	C	55	57	57
	AVG	55	57	57
MAY	W	59	61	61
	AN	60	62	61
	BN	60	61	61
	D	60	61	61
	C	60	62	62
	AVG	60	61	61
JUN	W	63	65	65
	AN	64	66	66
	BN	64	65	65
	D	64	66	66
	C	63	65	65
	AVG	64	65	65

Alternative 3: Feather River Low-Flow Channel (above Thermalito Afterbay)				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
JUL	W	68	69	69
	AN	67	69	69
	BN	67	69	69
	D	67	69	69
	C	67	70	70
	AVG	67	69	69
AUG	W	66	68	68
	AN	65	67	67
	BN	66	68	68
	D	65	68	68
	C	67	70	69
	AVG	66	68	68
SEP	W	60	61	62
	AN	60	61	62
	BN	60	62	63
	D	60	65	63
	C	61	66	65
	AVG	60	63	63
OCT	W	55	60	58
	AN	57	60	59
	BN	56	60	59
	D	56	61	59
	C	56	60	59
	AVG	56	60	59
NOV	W	52	58	56
	AN	53	58	57
	BN	53	58	56
	D	53	58	57
	C	53	58	58
	AVG	53	58	56
DEC	W	48	53	52
	AN	49	54	53
	BN	48	53	53
	D	48	53	53
	C	48	53	53
	AVG	48	53	53

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather Low-Flow Channel (above Thermalito Afterbay), Year-Round

Alternative 3: Feather River Low-Flow Channel (above Thermalito Afterbay)			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
JAN	W	3.1 (6.6%)	0.3 (0.6%)
	AN	3.3 (7%)	0.2 (0.4%)
	BN	3 (6.2%)	0 (0%)
	D	3.6 (7.7%)	0.3 (0.7%)
	C	3.6 (7.6%)	-0.1 (-0.1%)
	AVG	3.3 (7%)	0.2 (0.4%)
FEB	W	2.9 (6%)	0.2 (0.5%)
	AN	2.8 (5.7%)	0.2 (0.3%)
	BN	3 (6.2%)	0.1 (0.2%)
	D	3.1 (6.2%)	0.2 (0.3%)
	C	3.4 (6.9%)	0.1 (0.2%)
	AVG	3 (6.2%)	0.2 (0.3%)
MAR	W	2.7 (5.4%)	0.3 (0.5%)
	AN	2.3 (4.6%)	0 (0.1%)
	BN	3.1 (6%)	0.1 (0.1%)
	D	2.4 (4.6%)	0 (0%)
	C	3 (5.7%)	0 (0.1%)
	AVG	2.7 (5.3%)	0.1 (0.2%)
APR	W	2 (3.8%)	0.2 (0.3%)
	AN	2 (3.7%)	0.1 (0.1%)
	BN	1.9 (3.3%)	0 (0%)
	D	2 (3.6%)	-0.2 (-0.3%)
	C	2.5 (4.5%)	-0.1 (-0.1%)
	AVG	2.1 (3.8%)	0 (0%)
MAY	W	1.3 (2.2%)	-0.1 (-0.2%)
	AN	1 (1.6%)	-0.4 (-0.6%)
	BN	1 (1.6%)	-0.2 (-0.3%)
	D	1.1 (1.9%)	0 (0%)
	C	1.5 (2.4%)	-0.1 (-0.2%)
	AVG	1.2 (2%)	-0.1 (-0.2%)
JUN	W	1.5 (2.4%)	-0.1 (-0.1%)
	AN	1.5 (2.3%)	-0.3 (-0.4%)
	BN	1.4 (2.2%)	-0.2 (-0.3%)
	D	1.9 (3%)	0 (0.1%)
	C	2 (3.1%)	-0.2 (-0.3%)
	AVG	1.6 (2.6%)	-0.1 (-0.2%)
JUL	W	1.8 (2.7%)	0.2 (0.3%)
	AN	2 (2.9%)	0.2 (0.3%)
	BN	2.1 (3.1%)	0.3 (0.4%)
	D	2.4 (3.6%)	0.5 (0.7%)
	C	3.1 (4.7%)	0.5 (0.7%)
	AVG	2.2 (3.3%)	0.3 (0.5%)

Alternative 3: Feather River Low-Flow Channel (above Thermalito Afterbay)			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
AUG	W	1.8 (2.7%)	0.3 (0.5%)
	AN	2 (3.1%)	0.3 (0.4%)
	BN	2.2 (3.3%)	0.2 (0.2%)
	D	2.6 (4%)	-0.2 (-0.4%)
	C	2.9 (4.3%)	-0.3 (-0.5%)
	AVG	2.2 (3.4%)	0.1 (0.1%)
SEP	W	2.3 (3.8%)	1.5 (2.4%)
	AN	1.9 (3.2%)	1.1 (1.8%)
	BN	2.5 (4.2%)	0.2 (0.4%)
	D	3 (5%)	-1.8 (-2.8%)
	C	3.9 (6.4%)	-1.2 (-1.8%)
	AVG	2.7 (4.4%)	0.1 (0.1%)
OCT	W	2.2 (3.9%)	-2.1 (-3.6%)
	AN	2.8 (4.9%)	-0.6 (-1%)
	BN	3.2 (5.7%)	-1 (-1.6%)
	D	3.6 (6.5%)	-1.6 (-2.6%)
	C	2.8 (5%)	-0.9 (-1.6%)
	AVG	2.8 (5.1%)	-1.4 (-2.4%)
NOV	W	3.2 (6%)	-2.2 (-3.9%)
	AN	3.2 (6.1%)	-1.4 (-2.4%)
	BN	3.5 (6.6%)	-1.5 (-2.7%)
	D	4 (7.6%)	-1.8 (-3%)
	C	4.7 (8.8%)	-0.2 (-0.4%)
	AVG	3.6 (6.9%)	-1.6 (-2.8%)
DEC	W	3.9 (8%)	-0.4 (-0.7%)
	AN	4.2 (8.7%)	-0.9 (-1.8%)
	BN	4.6 (9.6%)	-0.4 (-0.8%)
	D	4.4 (9.2%)	-0.3 (-0.5%)
	C	4.9 (10.2%)	0.5 (0.9%)
	AVG	4.3 (9%)	-0.3 (-0.6%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.3.11 Feather River High-Flow Channel (below Thermalito Afterbay)

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 3 Model Scenarios in the Feather River High-Flow Channel (below Thermalito Afterbay), Year-Round

Alternative 3: Feather River High-Flow Channel (below Thermalito Afterbay)				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
JAN	W	47	50	50
	AN	47	50	50
	BN	46	49	49
	D	46	49	49
	C	46	50	50
	AVG	47	49	50
FEB	W	49	52	52
	AN	49	52	52
	BN	49	52	52
	D	50	53	53
	C	51	54	54
	AVG	50	52	52
MAR	W	51	54	54
	AN	52	54	54
	BN	53	56	56
	D	54	57	57
	C	54	57	57
	AVG	53	55	55
APR	W	55	57	57
	AN	57	59	60
	BN	58	59	60
	D	57	60	60
	C	57	60	60
	AVG	57	59	59
MAY	W	61	63	63
	AN	63	64	64
	BN	63	65	64
	D	63	65	65
	C	63	66	65
	AVG	62	64	64
JUN	W	66	68	67
	AN	67	70	68
	BN	67	70	69
	D	68	71	71
	C	68	71	71
	AVG	67	70	69

Alternative 3: Feather River High-Flow Channel (below Thermalito Afterbay)				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
JUL	W	70	70	72
	AN	68	69	71
	BN	68	70	72
	D	68	70	73
	C	70	74	75
	AVG	69	71	72
AUG	W	70	70	72
	AN	67	69	71
	BN	68	70	72
	D	67	71	72
	C	70	74	74
	AVG	69	71	72
SEP	W	64	63	66
	AN	64	64	66
	BN	65	68	67
	D	64	67	67
	C	64	69	69
	AVG	64	66	67
OCT	W	58	62	61
	AN	60	63	62
	BN	59	63	62
	D	58	63	62
	C	59	63	63
	AVG	59	63	62
NOV	W	53	57	56
	AN	54	58	57
	BN	53	57	56
	D	53	57	56
	C	53	57	57
	AVG	53	57	56
DEC	W	48	51	51
	AN	48	52	52
	BN	47	51	51
	D	47	51	51
	C	47	50	51
	AVG	47	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather High-Flow Channel (below Thermalito Afterbay), Year-Round

Alternative 3: Feather River High-Flow Channel (below Thermalito Afterbay)			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
JAN	W	3 (6.4%)	0.3 (0.7%)
	AN	3.1 (6.7%)	0.2 (0.4%)
	BN	2.8 (6.1%)	0.1 (0.2%)
	D	3.2 (6.9%)	0.3 (0.6%)
	C	3.2 (7%)	0 (-0.1%)
	AVG	3.1 (6.6%)	0.2 (0.4%)
FEB	W	2.8 (5.6%)	0.1 (0.2%)
	AN	2.9 (6%)	-0.2 (-0.3%)
	BN	2.9 (5.8%)	-0.1 (-0.1%)
	D	3 (6%)	0.2 (0.4%)
	C	3.2 (6.3%)	0.1 (0.1%)
	AVG	2.9 (5.9%)	0.1 (0.1%)
MAR	W	2.5 (4.9%)	0.2 (0.4%)
	AN	1.4 (2.6%)	-0.4 (-0.7%)
	BN	3.1 (5.8%)	0.1 (0.1%)
	D	2.7 (5%)	0.2 (0.3%)
	C	3.1 (5.9%)	0.1 (0.2%)
	AVG	2.6 (4.9%)	0.1 (0.2%)
APR	W	2.1 (3.8%)	0.1 (0.2%)
	AN	2.4 (4.2%)	0.1 (0.2%)
	BN	2 (3.4%)	0.2 (0.4%)
	D	2.6 (4.5%)	0.2 (0.4%)
	C	3 (5.2%)	0.5 (0.8%)
	AVG	2.4 (4.2%)	0.2 (0.4%)
MAY	W	2.4 (4%)	-0.3 (-0.5%)
	AN	1.7 (2.8%)	0.1 (0.2%)
	BN	1.5 (2.3%)	-0.6 (-1%)
	D	2.1 (3.4%)	-0.2 (-0.3%)
	C	2.2 (3.5%)	-0.1 (-0.1%)
	AVG	2.1 (3.3%)	-0.2 (-0.4%)
JUN	W	1.9 (2.8%)	-0.8 (-1.2%)
	AN	1 (1.5%)	-1.5 (-2.2%)
	BN	1.2 (1.8%)	-1.1 (-1.6%)
	D	2.7 (3.9%)	-0.2 (-0.3%)
	C	3.3 (4.9%)	0.3 (0.4%)
	AVG	2 (3%)	-0.7 (-1%)
JUL	W	2 (2.8%)	1.5 (2.2%)
	AN	2.8 (4.1%)	1.4 (2%)
	BN	3.6 (5.3%)	1.6 (2.2%)
	D	5 (7.4%)	2.8 (3.9%)
	C	5.7 (8.2%)	1.5 (2%)
	AVG	3.6 (5.2%)	1.8 (2.5%)

Alternative 3: Feather River High-Flow Channel (below Thermalito Afterbay)			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
AUG	W	2.2 (3.1%)	1.5 (2.1%)
	AN	3.6 (5.3%)	1.8 (2.6%)
	BN	3.6 (5.3%)	1.4 (2%)
	D	5.3 (7.9%)	1.4 (1.9%)
	C	4.3 (6.2%)	0.2 (0.3%)
	AVG	3.6 (5.3%)	1.3 (1.8%)
SEP	W	2 (3.1%)	2.7 (4.3%)
	AN	1.8 (2.8%)	2.2 (3.4%)
	BN	2 (3.1%)	-0.9 (-1.3%)
	D	2.7 (4.2%)	0.1 (0.2%)
	C	4.9 (7.6%)	0 (-0.1%)
	AVG	2.5 (4%)	1 (1.6%)
OCT	W	2.8 (4.8%)	-1.2 (-1.9%)
	AN	2.9 (4.8%)	-0.5 (-0.8%)
	BN	3.1 (5.3%)	-0.5 (-0.8%)
	D	3.4 (5.9%)	-0.9 (-1.4%)
	C	3.8 (6.4%)	0 (0%)
	AVG	3.1 (5.4%)	-0.7 (-1.2%)
NOV	W	3.1 (6%)	-1.1 (-2%)
	AN	3.4 (6.3%)	-0.6 (-1.1%)
	BN	3.3 (6.3%)	-0.8 (-1.4%)
	D	3.5 (6.7%)	-1.1 (-2%)
	C	4 (7.4%)	-0.1 (-0.1%)
	AVG	3.4 (6.4%)	-0.9 (-1.5%)
DEC	W	3.5 (7.3%)	0 (0%)
	AN	4.1 (8.6%)	-0.4 (-0.8%)
	BN	4.3 (9.1%)	0.1 (0.1%)
	D	3.8 (8.2%)	-0.2 (-0.4%)
	C	4.2 (8.9%)	0.3 (0.6%)
	AVG	3.9 (8.2%)	-0.1 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.3.12 Feather River at Gridley Dam

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 3 Model Scenarios in the Feather River at Gridley Dam, Year-Round

Alternative 3: Feather River at Gridley Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
JAN	W	47	50	50
	AN	47	49	50
	BN	46	49	49
	D	46	48	49
	C	46	49	49
	AVG	46	49	49
FEB	W	49	52	52
	AN	49	52	52
	BN	50	53	52
	D	50	53	53
	C	51	54	54
	AVG	50	53	53
MAR	W	51	54	54
	AN	53	54	54
	BN	54	57	57
	D	55	57	57
	C	54	57	57
	AVG	53	56	56
APR	W	56	58	58
	AN	58	60	60
	BN	59	61	61
	D	59	61	61
	C	58	61	61
	AVG	58	60	60
MAY	W	61	64	64
	AN	64	66	66
	BN	64	66	65
	D	64	66	66
	C	64	67	67
	AVG	63	66	65
JUN	W	67	69	68
	AN	69	71	69
	BN	69	71	70
	D	69	72	72
	C	69	72	72
	AVG	68	71	70
JUL	W	70	71	73
	AN	69	70	72
	BN	69	71	73
	D	69	71	74
	C	71	75	77
	AVG	70	72	73

Alternative 3: Feather River at Gridley Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
AUG	W	71	71	73
	AN	68	70	72
	BN	69	71	73
	D	68	72	73
	C	71	75	75
	AVG	69	72	73
SEP	W	65	64	68
	AN	65	64	67
	BN	66	69	69
	D	65	68	68
	C	66	70	70
	AVG	65	67	68
OCT	W	59	63	62
	AN	60	63	63
	BN	60	63	63
	D	59	63	62
	C	59	63	63
	AVG	59	63	62
NOV	W	53	57	56
	AN	54	58	57
	BN	53	57	56
	D	53	57	56
	C	54	57	57
	AVG	53	57	56
DEC	W	48	51	51
	AN	47	52	51
	BN	47	51	51
	D	47	51	50
	C	46	50	50
	AVG	47	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Gridley Dam, Year-Round

Alternative 3: Feather River at Gridley Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
JAN	W	3 (6.4%)	0.3 (0.7%)
	AN	3.1 (6.7%)	0.2 (0.4%)
	BN	2.8 (6.1%)	0.1 (0.2%)
	D	3.2 (6.9%)	0.3 (0.7%)
	C	3.2 (6.9%)	-0.1 (-0.1%)
	AVG	3 (6.6%)	0.2 (0.4%)
FEB	W	2.8 (5.6%)	0.1 (0.2%)
	AN	2.9 (5.9%)	-0.2 (-0.3%)
	BN	2.9 (5.8%)	-0.1 (-0.2%)
	D	2.9 (5.8%)	0.2 (0.3%)
	C	3.2 (6.2%)	0.1 (0.1%)
	AVG	2.9 (5.8%)	0 (0.1%)
MAR	W	2.5 (4.8%)	0.2 (0.4%)
	AN	1.4 (2.6%)	-0.4 (-0.7%)
	BN	3.1 (5.7%)	0.1 (0.1%)
	D	2.6 (4.7%)	0.1 (0.2%)
	C	3 (5.5%)	0.1 (0.2%)
	AVG	2.5 (4.8%)	0.1 (0.1%)
APR	W	2.1 (3.8%)	0.1 (0.1%)
	AN	2.3 (4%)	0.1 (0.1%)
	BN	1.8 (3.1%)	0 (-0.1%)
	D	2.3 (3.9%)	-0.1 (-0.1%)
	C	2.7 (4.7%)	0.3 (0.4%)
	AVG	2.2 (3.8%)	0.1 (0.1%)
MAY	W	2.6 (4.2%)	-0.4 (-0.6%)
	AN	1.6 (2.5%)	-0.3 (-0.4%)
	BN	1.3 (2%)	-0.8 (-1.2%)
	D	1.9 (3%)	-0.2 (-0.4%)
	C	2.2 (3.5%)	0 (0%)
	AVG	2 (3.2%)	-0.4 (-0.5%)
JUN	W	2 (2.9%)	-0.8 (-1.2%)
	AN	0.9 (1.3%)	-1.6 (-2.3%)
	BN	1.1 (1.5%)	-1.2 (-1.7%)
	D	2.8 (4%)	-0.1 (-0.2%)
	C	3.3 (4.9%)	0.3 (0.4%)
	AVG	2 (3%)	-0.7 (-1%)
JUL	W	2.2 (3.1%)	1.6 (2.2%)
	AN	3 (4.4%)	1.4 (2%)
	BN	3.8 (5.6%)	1.7 (2.4%)
	D	5.4 (7.9%)	3 (4.2%)
	C	6 (8.5%)	1.6 (2.1%)
	AVG	3.8 (5.5%)	1.9 (2.6%)

Alternative 3: Feather River at Gridley Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
AUG	W	2.2 (3.1%)	1.5 (2.2%)
	AN	3.7 (5.4%)	1.9 (2.7%)
	BN	3.7 (5.4%)	1.4 (2%)
	D	5.6 (8.3%)	1.4 (1.9%)
	C	4.3 (6.1%)	0.1 (0.2%)
	AVG	3.7 (5.4%)	1.3 (1.8%)
SEP	W	2.7 (4.1%)	3.9 (6.1%)
	AN	2.3 (3.5%)	3.1 (4.8%)
	BN	2.6 (4%)	-0.2 (-0.3%)
	D	3.2 (4.9%)	-0.1 (-0.1%)
	C	4.6 (7%)	-0.2 (-0.2%)
	AVG	3 (4.6%)	1.6 (2.4%)
OCT	W	2.8 (4.8%)	-1.1 (-1.7%)
	AN	2.8 (4.7%)	-0.5 (-0.8%)
	BN	3.2 (5.3%)	-0.5 (-0.8%)
	D	3.3 (5.7%)	-0.8 (-1.3%)
	C	3.5 (6%)	-0.2 (-0.3%)
	AVG	3.1 (5.2%)	-0.7 (-1.1%)
NOV	W	3.1 (5.9%)	-1 (-1.8%)
	AN	3.3 (6.1%)	-0.6 (-1.1%)
	BN	3.3 (6.2%)	-0.7 (-1.3%)
	D	3.5 (6.6%)	-1 (-1.7%)
	C	3.9 (7.2%)	-0.1 (-0.1%)
	AVG	3.4 (6.3%)	-0.8 (-1.4%)
DEC	W	3.4 (7.2%)	0 (0%)
	AN	4 (8.5%)	-0.3 (-0.6%)
	BN	4.2 (9%)	0.1 (0.2%)
	D	3.8 (8.1%)	-0.2 (-0.3%)
	C	4.1 (8.8%)	0.3 (0.7%)
	AVG	3.8 (8.1%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.3.13 Feather River at Honcut Creek

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 3 Model Scenarios in the Feather River at Honcut Creek, Year-Round

Alternative 3: Feather River at Honcut Creek				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
JAN	W	47	50	50
	AN	46	49	50
	BN	46	49	49
	D	45	48	49
	C	46	49	49
	AVG	46	49	49
FEB	W	49	52	52
	AN	49	53	52
	BN	50	53	53
	D	50	53	53
	C	51	54	54
	AVG	50	53	53
MAR	W	52	54	54
	AN	53	55	54
	BN	54	57	57
	D	55	58	58
	C	55	58	58
	AVG	53	56	56
APR	W	56	58	58
	AN	59	61	61
	BN	60	62	61
	D	60	62	62
	C	59	62	62
	AVG	58	61	60
MAY	W	62	65	65
	AN	65	67	66
	BN	65	67	66
	D	65	67	67
	C	65	68	68
	AVG	64	67	66
JUN	W	67	70	69
	AN	69	72	70
	BN	69	72	70
	D	70	73	73
	C	69	73	73
	AVG	69	72	71
JUL	W	71	72	73
	AN	69	71	72
	BN	69	72	73
	D	69	72	75
	C	71	76	77
	AVG	70	72	74

Alternative 3: Feather River at Honcut Creek				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
AUG	W	72	72	74
	AN	69	71	72
	BN	69	72	73
	D	68	73	74
	C	72	76	76
	AVG	70	73	74
SEP	W	66	64	69
	AN	66	65	69
	BN	67	69	70
	D	66	70	69
	C	66	71	71
	AVG	66	68	69
OCT	W	59	63	62
	AN	60	64	63
	BN	60	64	63
	D	59	63	62
	C	60	64	63
	AVG	60	63	63
NOV	W	53	57	56
	AN	54	58	57
	BN	53	57	56
	D	53	57	56
	C	54	57	57
	AVG	53	57	56
DEC	W	47	51	51
	AN	47	52	51
	BN	46	51	51
	D	46	50	50
	C	46	50	50
	AVG	47	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Honcut Creek, Year-Round

Alternative 3: Feather River at Honcut Creek			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
JAN	W	3 (6.4%)	0.3 (0.6%)
	AN	3.1 (6.7%)	0.2 (0.4%)
	BN	2.8 (6.1%)	0.1 (0.2%)
	D	3.2 (7%)	0.3 (0.7%)
	C	3.1 (6.8%)	-0.1 (-0.2%)
	AVG	3 (6.6%)	0.2 (0.4%)
FEB	W	2.8 (5.6%)	0.1 (0.2%)
	AN	2.9 (5.8%)	-0.2 (-0.3%)
	BN	2.9 (5.8%)	-0.1 (-0.2%)
	D	2.9 (5.8%)	0.2 (0.3%)
	C	3.1 (6.1%)	0 (0.1%)
	AVG	2.9 (5.8%)	0 (0%)
MAR	W	2.5 (4.8%)	0.2 (0.4%)
	AN	1.3 (2.5%)	-0.4 (-0.7%)
	BN	3 (5.6%)	0 (0%)
	D	2.5 (4.6%)	0 (0.1%)
	C	2.9 (5.3%)	0.1 (0.2%)
	AVG	2.5 (4.7%)	0 (0.1%)
APR	W	2.1 (3.8%)	0.1 (0.1%)
	AN	2.3 (3.9%)	0 (0%)
	BN	1.7 (2.9%)	-0.2 (-0.3%)
	D	2.1 (3.5%)	-0.3 (-0.4%)
	C	2.5 (4.2%)	0 (0%)
	AVG	2.1 (3.6%)	-0.1 (-0.1%)
MAY	W	2.8 (4.5%)	-0.4 (-0.6%)
	AN	1.5 (2.3%)	-0.6 (-0.8%)
	BN	1.1 (1.7%)	-0.9 (-1.3%)
	D	1.8 (2.7%)	-0.3 (-0.4%)
	C	2.3 (3.5%)	0 (-0.1%)
	AVG	2 (3.2%)	-0.4 (-0.6%)
JUN	W	2 (3%)	-0.8 (-1.2%)
	AN	0.8 (1.2%)	-1.6 (-2.3%)
	BN	1 (1.5%)	-1.2 (-1.7%)
	D	2.8 (4%)	-0.1 (-0.2%)
	C	3.3 (4.8%)	0.2 (0.3%)
	AVG	2.1 (3%)	-0.7 (-1%)
JUL	W	2.3 (3.3%)	1.6 (2.2%)
	AN	3.1 (4.5%)	1.5 (2.1%)
	BN	4 (5.8%)	1.7 (2.4%)
	D	5.6 (8.1%)	3 (4.2%)
	C	6.1 (8.6%)	1.6 (2.2%)
	AVG	4 (5.7%)	1.9 (2.7%)

Alternative 3: Feather River at Honcut Creek			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
AUG	W	2.3 (3.2%)	1.6 (2.2%)
	AN	3.8 (5.5%)	1.9 (2.6%)
	BN	3.9 (5.6%)	1.5 (2%)
	D	5.9 (8.6%)	1.3 (1.8%)
	C	4.3 (6%)	0 (0.1%)
	AVG	3.9 (5.5%)	1.3 (1.8%)
SEP	W	3.2 (4.9%)	4.8 (7.4%)
	AN	2.7 (4.1%)	3.6 (5.6%)
	BN	3.1 (4.6%)	0.2 (0.3%)
	D	3.6 (5.4%)	-0.3 (-0.4%)
	C	4.4 (6.6%)	-0.2 (-0.3%)
	AVG	3.4 (5.1%)	2 (2.9%)
OCT	W	2.8 (4.8%)	-1 (-1.6%)
	AN	2.7 (4.4%)	-0.6 (-0.9%)
	BN	3.2 (5.2%)	-0.5 (-0.7%)
	D	3.2 (5.5%)	-0.8 (-1.3%)
	C	3.4 (5.6%)	-0.4 (-0.6%)
	AVG	3 (5.1%)	-0.7 (-1.1%)
NOV	W	3.1 (5.9%)	-1 (-1.7%)
	AN	3.3 (6.1%)	-0.6 (-1%)
	BN	3.3 (6.2%)	-0.7 (-1.2%)
	D	3.4 (6.5%)	-0.9 (-1.6%)
	C	3.8 (7.1%)	-0.1 (-0.1%)
	AVG	3.3 (6.3%)	-0.7 (-1.2%)
DEC	W	3.4 (7.1%)	0 (0.1%)
	AN	4 (8.4%)	-0.3 (-0.7%)
	BN	4.1 (8.9%)	0.1 (0.2%)
	D	3.7 (8%)	-0.1 (-0.3%)
	C	4 (8.6%)	0.4 (0.8%)
	AVG	3.8 (8%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.3.14 Feather River at the Confluence with the Sacramento River

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 3 Model Scenarios in the Feather River at Confluence with the Sacramento River, Year-Round

Alternative 3: Feather River at the Confluence with the Sacramento River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
JAN	W	47	48	49
	AN	46	48	48
	BN	46	47	47
	D	45	47	47
	C	45	48	48
	AVG	46	48	48
FEB	W	50	52	52
	AN	50	52	52
	BN	50	51	51
	D	50	52	52
	C	51	53	53
	AVG	50	52	52
MAR	W	53	55	55
	AN	54	56	56
	BN	55	57	57
	D	55	57	57
	C	56	58	58
	AVG	55	56	56
APR	W	59	60	60
	AN	60	62	62
	BN	61	62	62
	D	62	64	64
	C	63	65	65
	AVG	61	63	62
MAY	W	65	68	67
	AN	66	69	69
	BN	67	69	69
	D	68	70	70
	C	68	71	71
	AVG	66	69	69
JUN	W	70	73	73
	AN	71	75	74
	BN	72	75	74
	D	73	77	77
	C	72	76	76
	AVG	71	75	75

Alternative 3: Feather River at the Confluence with the Sacramento River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
JUL	W	74	76	78
	AN	72	75	76
	BN	73	76	77
	D	73	76	78
	C	75	79	81
	AVG	73	76	78
AUG	W	73	76	77
	AN	71	74	75
	BN	72	75	76
	D	72	76	77
	C	75	79	79
	AVG	73	76	77
SEP	W	71	70	75
	AN	70	70	73
	BN	70	73	74
	D	70	74	74
	C	70	74	74
	AVG	70	72	74
OCT	W	61	64	63
	AN	62	64	64
	BN	61	64	64
	D	61	64	64
	C	62	65	65
	AVG	61	64	64
NOV	W	52	55	55
	AN	53	56	56
	BN	53	55	55
	D	52	55	55
	C	53	56	56
	AVG	53	55	55
DEC	W	47	49	49
	AN	47	50	50
	BN	46	49	49
	D	46	49	49
	C	45	47	48
	AVG	46	49	49

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at the Confluence with the Sacramento River, Year-Round

Alternative 3: Feather River at the Confluence with the Sacramento River			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
JAN	W	2.1 (4.5%)	0.2 (0.5%)
	AN	2 (4.3%)	0.2 (0.3%)
	BN	1.9 (4.2%)	0.1 (0.2%)
	D	2.4 (5.3%)	0.3 (0.6%)
	C	2.2 (4.8%)	-0.1 (-0.2%)
	AVG	2.1 (4.6%)	0.2 (0.3%)
FEB	W	2 (4.1%)	0.1 (0.2%)
	AN	1.9 (3.9%)	0 (-0.1%)
	BN	1.8 (3.6%)	0.1 (0.2%)
	D	2 (4%)	0.1 (0.2%)
	C	2.2 (4.3%)	0 (0.1%)
	AVG	2 (4%)	0.1 (0.2%)
MAR	W	1.8 (3.4%)	0.1 (0.1%)
	AN	1.2 (2.3%)	-0.1 (-0.2%)
	BN	1.9 (3.4%)	0 (0.1%)
	D	1.8 (3.2%)	0 (0%)
	C	2.1 (3.8%)	0 (0.1%)
	AVG	1.8 (3.2%)	0 (0%)
APR	W	1.6 (2.8%)	0 (0%)
	AN	1.9 (3.1%)	0 (0%)
	BN	1.5 (2.4%)	-0.2 (-0.3%)
	D	1.8 (3%)	-0.2 (-0.3%)
	C	2 (3.2%)	-0.2 (-0.3%)
	AVG	1.7 (2.9%)	-0.1 (-0.2%)
MAY	W	2.8 (4.4%)	-0.1 (-0.2%)
	AN	2.5 (3.8%)	-0.4 (-0.6%)
	BN	2 (3.1%)	-0.5 (-0.7%)
	D	2.4 (3.5%)	-0.3 (-0.4%)
	C	2.7 (4%)	0 (0%)
	AVG	2.5 (3.8%)	-0.3 (-0.4%)
JUN	W	3 (4.4%)	-0.4 (-0.6%)
	AN	2.5 (3.4%)	-0.9 (-1.2%)
	BN	2.6 (3.6%)	-0.8 (-1.1%)
	D	3.7 (5.1%)	0 (-0.1%)
	C	3.6 (5%)	0.1 (0.2%)
	AVG	3.1 (4.4%)	-0.4 (-0.5%)
JUL	W	4 (5.4%)	1.4 (1.8%)
	AN	3.9 (5.3%)	1.2 (1.6%)
	BN	4.5 (6.2%)	1.4 (1.8%)
	D	5.7 (7.9%)	2.4 (3.1%)
	C	5.9 (8%)	1.4 (1.8%)
	AVG	4.7 (6.5%)	1.6 (2.1%)

Alternative 3: Feather River at the Confluence with the Sacramento River			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
AUG	W	3.8 (5.3%)	1.3 (1.7%)
	AN	4 (5.6%)	1.3 (1.8%)
	BN	4.3 (5.9%)	1.2 (1.6%)
	D	5.9 (8.2%)	1.1 (1.5%)
	C	4.4 (5.9%)	0.1 (0.1%)
	AVG	4.5 (6.2%)	1.1 (1.4%)
SEP	W	4.3 (6.1%)	5 (7.1%)
	AN	3.6 (5.1%)	3.7 (5.2%)
	BN	3.9 (5.5%)	0.9 (1.2%)
	D	4.2 (6.1%)	-0.2 (-0.2%)
	C	3.6 (5.1%)	-0.1 (-0.1%)
	AVG	4 (5.7%)	2.2 (3%)
OCT	W	2.7 (4.4%)	-0.5 (-0.7%)
	AN	2.2 (3.6%)	-0.3 (-0.5%)
	BN	2.8 (4.6%)	-0.1 (-0.2%)
	D	2.7 (4.4%)	-0.4 (-0.6%)
	C	2.7 (4.4%)	-0.6 (-0.9%)
	AVG	2.6 (4.3%)	-0.4 (-0.6%)
NOV	W	2.5 (4.7%)	-0.3 (-0.5%)
	AN	2.6 (5%)	-0.2 (-0.4%)
	BN	2.6 (4.9%)	-0.3 (-0.5%)
	D	2.6 (5%)	-0.2 (-0.3%)
	C	2.8 (5.3%)	0 (0.1%)
	AVG	2.6 (4.9%)	-0.2 (-0.4%)
DEC	W	2.1 (4.4%)	0.2 (0.4%)
	AN	2.8 (6%)	-0.1 (-0.2%)
	BN	2.9 (6.4%)	0.2 (0.4%)
	D	2.6 (5.6%)	0 (0%)
	C	2.9 (6.4%)	0.5 (1.1%)
	AVG	2.6 (5.5%)	0.1 (0.3%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.3.15 American River below Nimbus Dam

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 3 Model Scenarios in the American River below Nimbus Dam, Year-Round

Alternative 3: American River below Nimbus Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
JAN	W	47	50	50
	AN	47	49	50
	BN	46	49	49
	D	47	49	49
	C	47	50	50
	AVG	47	50	50
FEB	W	48	51	51
	AN	48	52	52
	BN	47	51	51
	D	49	52	52
	C	51	54	54
	AVG	48	52	52
MAR	W	52	55	55
	AN	53	56	56
	BN	53	56	56
	D	53	57	57
	C	55	58	58
	AVG	53	56	56
APR	W	56	59	59
	AN	57	60	60
	BN	57	61	61
	D	59	62	62
	C	59	63	63
	AVG	58	60	60
MAY	W	60	64	64
	AN	61	66	65
	BN	61	65	65
	D	64	67	66
	C	64	68	68
	AVG	62	66	65
JUN	W	64	67	66
	AN	65	68	67
	BN	65	68	67
	D	67	69	69
	C	68	72	72
	AVG	66	68	68
JUL	W	66	68	68
	AN	66	66	67
	BN	66	67	68
	D	67	69	70
	C	70	74	74
	AVG	67	69	69

Alternative 3: American River below Nimbus Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
AUG	W	67	70	70
	AN	67	69	70
	BN	67	69	71
	D	67	71	72
	C	70	76	77
	AVG	67	71	71
SEP	W	65	68	68
	AN	66	69	69
	BN	66	69	69
	D	66	71	71
	C	68	73	73
	AVG	66	70	70
OCT	W	58	68	67
	AN	59	68	68
	BN	58	68	67
	D	59	67	67
	C	61	68	68
	AVG	59	68	67
NOV	W	57	61	61
	AN	57	61	61
	BN	56	61	61
	D	57	61	60
	C	58	61	61
	AVG	57	61	61
DEC	W	50	53	53
	AN	51	53	53
	BN	50	52	53
	D	50	53	53
	C	50	52	52
	AVG	50	53	53

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River below Nimbus Dam, Year-Round

Alternative 3: American River below Nimbus Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
JAN	W	3.1 (6.7%)	0 (0%)
	AN	2.8 (5.9%)	0.1 (0.2%)
	BN	3.1 (6.8%)	0.1 (0.3%)
	D	2.8 (6.1%)	0 (-0.1%)
	C	2.9 (6.1%)	-0.1 (-0.2%)
	AVG	3 (6.4%)	0 (0%)
FEB	W	3.4 (7.2%)	0 (0%)
	AN	3.8 (7.9%)	0 (0%)
	BN	3.3 (7%)	0 (0%)
	D	3.4 (7%)	0 (0%)
	C	3.2 (6.4%)	-0.1 (-0.1%)
	AVG	3.4 (7.1%)	0 (0%)
MAR	W	3.1 (6%)	0 (0%)
	AN	3 (5.7%)	0.1 (0.2%)
	BN	2.6 (5%)	0 (0%)
	D	3.5 (6.5%)	0 (0.1%)
	C	2.8 (5.2%)	-0.1 (-0.2%)
	AVG	3.1 (5.8%)	0 (0%)
APR	W	3 (5.3%)	0 (0%)
	AN	3.2 (5.5%)	0 (0%)
	BN	3.1 (5.3%)	-0.1 (-0.1%)
	D	2.6 (4.4%)	0 (0.1%)
	C	3.1 (5.2%)	-0.2 (-0.2%)
	AVG	2.9 (5.1%)	0 (0%)
MAY	W	4.1 (6.8%)	-0.1 (-0.2%)
	AN	4.4 (7.2%)	-0.4 (-0.6%)
	BN	3.7 (6.1%)	-0.4 (-0.6%)
	D	2.3 (3.6%)	-0.7 (-1.1%)
	C	3.7 (5.7%)	0 (0%)
	AVG	3.6 (5.8%)	-0.3 (-0.5%)
JUN	W	2.4 (3.7%)	-0.6 (-0.9%)
	AN	2 (3%)	-0.9 (-1.3%)
	BN	1.6 (2.5%)	-1.3 (-2%)
	D	1.9 (2.8%)	0 (0.1%)
	C	4 (5.9%)	-0.3 (-0.4%)
	AVG	2.3 (3.5%)	-0.6 (-0.9%)
JUL	W	1.6 (2.4%)	0.1 (0.1%)
	AN	1 (1.6%)	0.6 (0.9%)
	BN	2 (3%)	0.8 (1.2%)
	D	3.1 (4.7%)	0.9 (1.3%)
	C	4.3 (6.2%)	-0.1 (-0.1%)
	AVG	2.3 (3.5%)	0.4 (0.6%)

Alternative 3: American River below Nimbus Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
AUG	W	3 (4.5%)	-0.2 (-0.2%)
	AN	2.7 (3.9%)	0.6 (0.8%)
	BN	3.2 (4.8%)	1.4 (2%)
	D	5 (7.5%)	0.8 (1.1%)
	C	6.9 (9.9%)	0.6 (0.8%)
	AVG	4 (6%)	0.5 (0.8%)
SEP	W	3.4 (5.3%)	0.8 (1.1%)
	AN	3.8 (5.8%)	0.7 (1%)
	BN	2.8 (4.2%)	0 (0%)
	D	4.8 (7.3%)	-0.2 (-0.2%)
	C	4.9 (7.2%)	0.1 (0.1%)
	AVG	3.9 (5.9%)	0.3 (0.5%)
OCT	W	8.6 (14.7%)	-0.7 (-1.1%)
	AN	8.9 (15.1%)	0.2 (0.3%)
	BN	8.7 (15%)	-1 (-1.5%)
	D	8.3 (14.1%)	0 (0%)
	C	7.1 (11.7%)	-0.3 (-0.4%)
	AVG	8.4 (14.2%)	-0.4 (-0.6%)
NOV	W	3.8 (6.7%)	0 (-0.1%)
	AN	3.7 (6.5%)	-0.1 (-0.2%)
	BN	4.4 (7.8%)	0 (0%)
	D	3.8 (6.6%)	-0.1 (-0.2%)
	C	3.5 (6.1%)	-0.1 (-0.1%)
	AVG	3.8 (6.8%)	-0.1 (-0.1%)
DEC	W	2.7 (5.3%)	0.1 (0.1%)
	AN	2.8 (5.4%)	0.1 (0.1%)
	BN	2.8 (5.6%)	0.1 (0.2%)
	D	2.6 (5.2%)	-0.1 (-0.2%)
	C	2 (3.9%)	-0.6 (-1.1%)
	AVG	2.6 (5.2%)	-0.1 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.3.16 American River at Watt Avenue

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 3 Model Scenarios in the American River at Watt Avenue, Year-Round

Alternative 3: American River at Watt Avenue				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
JAN	W	47	50	50
	AN	47	49	49
	BN	46	49	49
	D	46	49	49
	C	46	49	49
	AVG	46	49	49
FEB	W	48	52	52
	AN	48	52	52
	BN	48	51	51
	D	49	52	52
	C	51	54	54
	AVG	49	52	52
MAR	W	53	56	56
	AN	53	56	56
	BN	54	56	56
	D	54	57	57
	C	56	58	58
	AVG	54	56	56
APR	W	56	59	59
	AN	58	61	61
	BN	58	61	61
	D	60	63	63
	C	61	64	64
	AVG	58	61	61
MAY	W	61	65	65
	AN	62	67	67
	BN	62	67	66
	D	65	68	67
	C	66	69	69
	AVG	63	67	67
JUN	W	65	68	67
	AN	67	70	69
	BN	67	70	69
	D	69	71	71
	C	69	73	73
	AVG	67	70	69
JUL	W	68	70	70
	AN	67	68	69
	BN	67	69	70
	D	68	71	72
	C	72	76	76
	AVG	68	71	71

Alternative 3: American River at Watt Avenue				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
AUG	W	68	72	72
	AN	69	72	72
	BN	69	72	73
	D	69	73	74
	C	71	77	77
	AVG	69	73	73
SEP	W	66	69	70
	AN	66	70	71
	BN	67	70	70
	D	67	72	72
	C	69	73	73
	AVG	67	71	71
OCT	W	59	67	67
	AN	60	67	68
	BN	59	68	67
	D	60	67	67
	C	61	68	68
	AVG	60	67	67
NOV	W	56	60	60
	AN	56	60	60
	BN	56	60	60
	D	56	59	59
	C	57	60	60
	AVG	56	60	60
DEC	W	50	52	52
	AN	50	52	52
	BN	49	51	52
	D	49	52	52
	C	49	51	51
	AVG	49	52	52

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River at Watt Avenue, Year-Round

Alternative 3: American River at Watt Avenue			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
JAN	W	3.1 (6.6%)	0 (0%)
	AN	2.8 (5.9%)	0.1 (0.1%)
	BN	3.1 (6.7%)	0.2 (0.4%)
	D	2.7 (6%)	0 (0%)
	C	2.8 (6.1%)	-0.1 (-0.2%)
	AVG	2.9 (6.3%)	0 (0.1%)
FEB	W	3.4 (7.1%)	0 (0%)
	AN	3.7 (7.7%)	0 (0%)
	BN	3.2 (6.6%)	0 (0%)
	D	3.2 (6.5%)	0 (0%)
	C	3.2 (6.3%)	0 (-0.1%)
	AVG	3.3 (6.8%)	0 (0%)
MAR	W	3 (5.7%)	0 (0%)
	AN	2.9 (5.5%)	0.1 (0.1%)
	BN	2.5 (4.7%)	0 (-0.1%)
	D	3.3 (6%)	0.1 (0.1%)
	C	2.6 (4.7%)	-0.1 (-0.1%)
	AVG	2.9 (5.4%)	0 (0%)
APR	W	2.9 (5.1%)	0 (0%)
	AN	3.1 (5.3%)	0 (0%)
	BN	2.9 (5%)	-0.1 (-0.1%)
	D	2.5 (4.1%)	-0.1 (-0.2%)
	C	2.8 (4.6%)	0 (0%)
	AVG	2.8 (4.8%)	0 (-0.1%)
MAY	W	4.1 (6.8%)	-0.2 (-0.2%)
	AN	4.3 (7%)	-0.5 (-0.7%)
	BN	3.6 (5.7%)	-0.5 (-0.8%)
	D	2.3 (3.5%)	-0.7 (-1%)
	C	3.3 (5%)	0 (0%)
	AVG	3.5 (5.6%)	-0.4 (-0.6%)
JUN	W	2.6 (4.1%)	-0.8 (-1.2%)
	AN	1.9 (2.8%)	-1 (-1.5%)
	BN	1.7 (2.5%)	-1.4 (-2%)
	D	2.3 (3.3%)	0 (0%)
	C	3.7 (5.4%)	-0.2 (-0.3%)
	AVG	2.4 (3.7%)	-0.7 (-1%)
JUL	W	2.3 (3.3%)	0.2 (0.3%)
	AN	1.5 (2.3%)	0.7 (1%)
	BN	2.7 (4%)	1 (1.4%)
	D	3.8 (5.6%)	0.9 (1.3%)
	C	3.8 (5.4%)	0 (0%)
	AVG	2.8 (4.1%)	0.5 (0.7%)

Alternative 3: American River at Watt Avenue			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
AUG	W	4 (5.8%)	-0.2 (-0.2%)
	AN	3.4 (5%)	0.5 (0.7%)
	BN	4 (5.9%)	1.5 (2.1%)
	D	5.4 (7.9%)	0.8 (1.1%)
	C	5.7 (8.1%)	0.3 (0.4%)
	AVG	4.5 (6.5%)	0.5 (0.7%)
SEP	W	4.2 (6.4%)	1.3 (1.8%)
	AN	4.2 (6.4%)	0.8 (1.1%)
	BN	3.5 (5.2%)	0.1 (0.2%)
	D	4.7 (7%)	-0.1 (-0.1%)
	C	4.4 (6.4%)	0.1 (0.1%)
	AVG	4.2 (6.3%)	0.5 (0.7%)
OCT	W	7.2 (12.2%)	-0.5 (-0.8%)
	AN	7.7 (12.8%)	0.2 (0.3%)
	BN	7.5 (12.7%)	-0.7 (-1.1%)
	D	6.9 (11.5%)	0.1 (0.1%)
	C	6.1 (9.9%)	-0.1 (-0.2%)
	AVG	7.1 (11.9%)	-0.3 (-0.4%)
NOV	W	3.5 (6.2%)	-0.1 (-0.2%)
	AN	3.4 (6.1%)	-0.2 (-0.3%)
	BN	4 (7.2%)	0 (0%)
	D	3.4 (6%)	-0.1 (-0.1%)
	C	3.4 (6%)	0 (0%)
	AVG	3.5 (6.3%)	-0.1 (-0.1%)
DEC	W	2.6 (5.2%)	0.1 (0.2%)
	AN	2.6 (5.3%)	0.1 (0.1%)
	BN	2.7 (5.6%)	0.1 (0.2%)
	D	2.4 (4.9%)	-0.1 (-0.1%)
	C	2.1 (4.4%)	-0.2 (-0.3%)
	AVG	2.5 (5.1%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.3.17 American River at the Confluence with the Sacramento River

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 3 Model Scenarios in the American River at the Confluence with the Sacramento River, Year-Round

Alternative 3: American River at the Confluence with the Sacramento River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
JAN	W	47	50	50
	AN	46	49	49
	BN	46	48	49
	D	46	48	48
	C	46	49	49
	AVG	46	49	49
FEB	W	48	52	52
	AN	48	52	52
	BN	48	51	51
	D	49	52	53
	C	51	55	55
	AVG	49	52	52
MAR	W	53	56	56
	AN	53	56	56
	BN	54	56	56
	D	55	58	58
	C	56	59	59
	AVG	54	57	57
APR	W	57	60	60
	AN	58	61	61
	BN	59	62	62
	D	61	63	63
	C	62	64	64
	AVG	59	62	62
MAY	W	61	66	65
	AN	63	68	67
	BN	63	67	67
	D	66	69	68
	C	67	70	70
	AVG	64	67	67
JUN	W	65	69	68
	AN	68	71	70
	BN	68	71	69
	D	70	72	72
	C	70	74	74
	AVG	68	71	70

Alternative 3: American River at the Confluence with the Sacramento River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
JUL	W	69	71	71
	AN	68	69	70
	BN	68	70	71
	D	69	72	73
	C	73	76	76
	AVG	69	72	72
AUG	W	69	73	73
	AN	69	73	73
	BN	70	73	74
	D	69	74	75
	C	72	77	77
	AVG	70	74	74
SEP	W	66	69	71
	AN	67	70	71
	BN	67	71	71
	D	68	72	72
	C	69	74	74
	AVG	67	71	72
OCT	W	60	67	66
	AN	60	67	67
	BN	60	67	67
	D	60	66	66
	C	62	67	67
	AVG	60	67	67
NOV	W	56	60	59
	AN	56	60	59
	BN	55	59	59
	D	56	59	59
	C	57	60	60
	AVG	56	59	59
DEC	W	49	52	52
	AN	49	52	52
	BN	48	51	51
	D	49	51	51
	C	48	50	50
	AVG	49	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River at the Confluence with the Sacramento River, Year-Round

Alternative 3: American River at the Confluence with the Sacramento River			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
JAN	W	3.1 (6.6%)	0 (0%)
	AN	2.8 (6%)	0.1 (0.1%)
	BN	3.1 (6.7%)	0.2 (0.5%)
	D	2.7 (5.8%)	0 (0%)
	C	2.9 (6.2%)	-0.1 (-0.1%)
	AVG	2.9 (6.3%)	0 (0.1%)
FEB	W	3.4 (7%)	0 (0%)
	AN	3.7 (7.6%)	0 (0%)
	BN	3.1 (6.5%)	0 (0%)
	D	3.2 (6.4%)	0 (0.1%)
	C	3.1 (6.1%)	0 (-0.1%)
	AVG	3.3 (6.7%)	0 (0%)
MAR	W	2.9 (5.6%)	0 (0%)
	AN	2.9 (5.4%)	0.1 (0.1%)
	BN	2.5 (4.6%)	0 (-0.1%)
	D	3.2 (5.8%)	0.1 (0.1%)
	C	2.5 (4.5%)	0 (-0.1%)
	AVG	2.8 (5.3%)	0 (0%)
APR	W	2.8 (5%)	0 (0%)
	AN	3 (5.2%)	0 (0%)
	BN	2.9 (4.9%)	-0.1 (-0.2%)
	D	2.4 (4%)	-0.1 (-0.2%)
	C	2.7 (4.4%)	0 (0.1%)
	AVG	2.7 (4.7%)	0 (-0.1%)
MAY	W	4.2 (6.8%)	-0.2 (-0.2%)
	AN	4.3 (6.9%)	-0.5 (-0.8%)
	BN	3.5 (5.5%)	-0.6 (-0.9%)
	D	2.3 (3.5%)	-0.7 (-1%)
	C	3.2 (4.8%)	0 (0%)
	AVG	3.5 (5.5%)	-0.4 (-0.6%)
JUN	W	2.8 (4.3%)	-0.9 (-1.3%)
	AN	1.9 (2.8%)	-1.1 (-1.6%)
	BN	1.7 (2.5%)	-1.4 (-2%)
	D	2.5 (3.5%)	0 (-0.1%)
	C	3.7 (5.2%)	-0.2 (-0.3%)
	AVG	2.5 (3.7%)	-0.7 (-1%)
JUL	W	2.6 (3.8%)	0.2 (0.3%)
	AN	1.8 (2.7%)	0.8 (1.1%)
	BN	3.1 (4.5%)	1.1 (1.5%)
	D	4.1 (5.9%)	0.9 (1.3%)
	C	3.7 (5.1%)	-0.1 (-0.1%)
	AVG	3.1 (4.4%)	0.6 (0.8%)

Alternative 3: American River at the Confluence with the Sacramento River			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
AUG	W	4.4 (6.5%)	-0.2 (-0.2%)
	AN	3.8 (5.5%)	0.5 (0.6%)
	BN	4.4 (6.3%)	1.5 (2%)
	D	5.5 (7.9%)	0.8 (1%)
	C	5.3 (7.3%)	0.2 (0.2%)
	AVG	4.7 (6.7%)	0.5 (0.6%)
SEP	W	4.6 (6.9%)	1.5 (2.1%)
	AN	4.4 (6.6%)	0.8 (1.1%)
	BN	3.8 (5.7%)	0.2 (0.3%)
	D	4.6 (6.8%)	-0.1 (-0.1%)
	C	4.2 (6%)	0 (0%)
	AVG	4.4 (6.5%)	0.6 (0.9%)
OCT	W	6.6 (11%)	-0.4 (-0.6%)
	AN	7 (11.6%)	0.2 (0.2%)
	BN	6.8 (11.4%)	-0.6 (-0.9%)
	D	6.2 (10.3%)	0.1 (0.2%)
	C	5.5 (8.9%)	-0.1 (-0.1%)
	AVG	6.4 (10.7%)	-0.2 (-0.3%)
NOV	W	3.3 (5.9%)	-0.1 (-0.2%)
	AN	3.3 (5.9%)	-0.2 (-0.3%)
	BN	3.8 (6.8%)	0 (0%)
	D	3.2 (5.7%)	-0.1 (-0.1%)
	C	3.3 (5.8%)	0.1 (0.1%)
	AVG	3.4 (6%)	-0.1 (-0.1%)
DEC	W	2.5 (5.2%)	0.1 (0.2%)
	AN	2.6 (5.2%)	0.1 (0.1%)
	BN	2.7 (5.6%)	0.1 (0.2%)
	D	2.3 (4.7%)	0 (-0.1%)
	C	2.1 (4.3%)	-0.1 (-0.2%)
	AVG	2.5 (5%)	0 (0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.3.18 Stanislaus River at Knights Ferry

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 3 Model Scenarios in the Stanislaus River at Knights Ferry, Year-Round

Alternative 3: Stanislaus River at Knights Ferry				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
JAN	W	49	52	52
	AN	49	52	52
	BN	49	52	52
	D	48	51	51
	C	49	52	52
	AVG	49	52	52
FEB	W	49	52	52
	AN	49	52	52
	BN	49	52	52
	D	49	52	52
	C	50	53	53
	AVG	49	52	52
MAR	W	49	52	52
	AN	49	53	53
	BN	51	54	54
	D	51	54	54
	C	52	55	55
	AVG	50	54	54
APR	W	50	53	53
	AN	50	54	54
	BN	51	55	55
	D	52	55	55
	C	53	57	57
	AVG	51	54	54
MAY	W	51	55	55
	AN	53	56	56
	BN	54	57	57
	D	55	58	58
	C	56	59	59
	AVG	53	57	57
JUN	W	54	56	56
	AN	56	59	59
	BN	58	61	61
	D	59	63	63
	C	60	64	64
	AVG	57	60	60
JUL	W	57	59	59
	AN	59	62	62
	BN	60	63	63
	D	61	65	65
	C	62	66	66
	AVG	59	63	63

Alternative 3: Stanislaus River at Knights Ferry				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
AUG	W	58	61	61
	AN	60	63	63
	BN	60	64	64
	D	61	65	65
	C	62	67	67
	AVG	60	64	64
SEP	W	59	62	62
	AN	60	64	64
	BN	61	64	64
	D	62	65	65
	C	63	67	67
	AVG	61	64	64
OCT	W	59	62	62
	AN	59	62	62
	BN	59	62	62
	D	58	62	62
	C	60	64	64
	AVG	59	63	63
NOV	W	56	59	59
	AN	56	59	59
	BN	56	59	59
	D	56	59	59
	C	57	61	61
	AVG	56	60	60
DEC	W	52	55	55
	AN	52	55	55
	BN	51	54	54
	D	51	54	54
	C	52	55	55
	AVG	51	55	55

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Knights Ferry, Year-Round

Alternative 3: Stanislaus River at Knights Ferry			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
JAN	W	3.1 (6.3%)	0 (0%)
	AN	3.1 (6.4%)	0 (0%)
	BN	3.1 (6.4%)	0 (0%)
	D	3 (6.3%)	0 (0%)
	C	3 (6.2%)	0 (0%)
	AVG	3.1 (6.3%)	0 (0%)
FEB	W	3.1 (6.4%)	0 (0%)
	AN	3.2 (6.5%)	0 (0%)
	BN	3 (6.2%)	0 (0%)
	D	3.2 (6.5%)	0 (0%)
	C	3.1 (6.2%)	0 (0%)
	AVG	3.1 (6.4%)	0 (0%)
MAR	W	3.2 (6.6%)	0 (0%)
	AN	3.6 (7.3%)	0 (0%)
	BN	3.1 (6.1%)	0 (0%)
	D	3.3 (6.5%)	0 (0%)
	C	3 (5.8%)	0 (0%)
	AVG	3.3 (6.5%)	0 (0%)
APR	W	3.1 (6.2%)	0 (0%)
	AN	3.3 (6.6%)	0 (0%)
	BN	3.4 (6.6%)	0 (0%)
	D	3.5 (6.7%)	0 (0%)
	C	3.6 (6.7%)	0 (0%)
	AVG	3.3 (6.5%)	0 (0%)
MAY	W	3 (5.9%)	0 (0%)
	AN	3.1 (5.9%)	0 (0%)
	BN	3.5 (6.5%)	0 (0%)
	D	3.4 (6.2%)	0 (0%)
	C	3.3 (5.9%)	0 (0%)
	AVG	3.2 (6%)	0 (0%)
JUN	W	2.6 (4.8%)	0 (0%)
	AN	3.3 (6%)	0 (0%)
	BN	3.6 (6.3%)	0 (0%)
	D	3.8 (6.5%)	0 (0%)
	C	4.1 (6.9%)	0 (0%)
	AVG	3.4 (6%)	0 (0%)
JUL	W	2.5 (4.4%)	0 (0%)
	AN	3.4 (5.7%)	0 (0%)
	BN	3.5 (5.9%)	0 (0%)
	D	3.7 (6.1%)	0 (0%)
	C	4.1 (6.6%)	0 (0%)
	AVG	3.3 (5.6%)	0 (0%)

Alternative 3: Stanislaus River at Knights Ferry			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
AUG	W	3.4 (5.8%)	0 (0%)
	AN	3.4 (5.7%)	0 (0%)
	BN	3.5 (5.8%)	0 (0%)
	D	3.6 (5.8%)	0 (0%)
	C	4.3 (6.9%)	0 (0%)
	AVG	3.6 (6%)	0 (0%)
SEP	W	3.5 (6%)	0 (0%)
	AN	3.6 (6%)	0 (0%)
	BN	3.6 (5.9%)	0 (0%)
	D	3.7 (6%)	0 (0%)
	C	4 (6.3%)	0.1 (0.1%)
	AVG	3.7 (6%)	0 (0%)
OCT	W	3.5 (5.9%)	0 (0%)
	AN	3 (5.1%)	0 (0%)
	BN	3.3 (5.6%)	0 (0%)
	D	3.4 (5.9%)	0 (0%)
	C	3.7 (6.1%)	0 (0%)
	AVG	3.4 (5.7%)	0 (0%)
NOV	W	3.3 (5.8%)	0 (0%)
	AN	3.1 (5.5%)	0 (0%)
	BN	3.3 (5.8%)	0 (0%)
	D	3.4 (6%)	0 (0%)
	C	3.5 (6%)	0 (0%)
	AVG	3.3 (5.8%)	0 (0%)
DEC	W	3.3 (6.4%)	0 (0%)
	AN	3.1 (5.9%)	0 (0%)
	BN	3.3 (6.4%)	0 (0%)
	D	3.2 (6.2%)	0 (0%)
	C	3.3 (6.3%)	0 (0%)
	AVG	3.2 (6.3%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.3.19 Stanislaus River at Orange Blossom Bridge

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 3 Model Scenarios in the Stanislaus River at Orange Blossom Bridge, Year-Round

Alternative 3: Stanislaus River at Orange Blossom Bridge				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
JAN	W	48	51	51
	AN	48	51	51
	BN	48	51	51
	D	47	50	50
	C	48	51	51
	AVG	48	51	51
FEB	W	49	52	52
	AN	49	52	52
	BN	49	52	52
	D	49	52	52
	C	50	53	53
	AVG	49	52	52
MAR	W	49	53	53
	AN	50	54	54
	BN	52	55	55
	D	52	56	56
	C	53	56	56
	AVG	51	54	54
APR	W	50	53	53
	AN	51	54	54
	BN	52	56	56
	D	53	56	56
	C	55	58	58
	AVG	52	55	55
MAY	W	53	56	56
	AN	54	57	57
	BN	55	59	59
	D	56	60	60
	C	58	61	61
	AVG	55	58	58
JUN	W	56	58	58
	AN	58	62	62
	BN	60	64	64
	D	62	66	66
	C	63	67	67
	AVG	59	63	63
JUL	W	60	62	62
	AN	63	66	66
	BN	63	67	67
	D	64	68	68
	C	65	69	69
	AVG	63	66	66

Alternative 3: Stanislaus River at Orange Blossom Bridge				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
AUG	W	60	64	64
	AN	63	66	66
	BN	63	66	66
	D	64	68	68
	C	65	69	69
	AVG	63	66	66
SEP	W	60	64	64
	AN	63	66	66
	BN	63	67	67
	D	63	67	67
	C	64	68	68
	AVG	62	66	66
OCT	W	59	62	62
	AN	59	62	62
	BN	59	62	62
	D	59	62	62
	C	60	64	64
	AVG	59	62	62
NOV	W	55	58	58
	AN	55	58	58
	BN	55	58	58
	D	55	58	58
	C	56	59	59
	AVG	55	58	58
DEC	W	50	54	53
	AN	50	53	53
	BN	49	53	53
	D	50	52	52
	C	50	53	53
	AVG	50	53	53

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Orange Blossom Bridge, Year-Round

Alternative 3: Stanislaus River at Orange Blossom Bridge			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
JAN	W	3 (6.2%)	0 (0%)
	AN	3 (6.3%)	0 (0%)
	BN	2.9 (6.1%)	0 (0%)
	D	2.8 (5.9%)	0 (0%)
	C	2.8 (5.8%)	0 (0%)
	AVG	2.9 (6.1%)	0 (0%)
FEB	W	3.1 (6.3%)	0 (0%)
	AN	3.1 (6.3%)	0 (0%)
	BN	3 (6%)	0 (0%)
	D	3.2 (6.5%)	0 (0%)
	C	3.2 (6.3%)	0 (0%)
	AVG	3.1 (6.3%)	0 (0%)
MAR	W	3.2 (6.4%)	0 (0%)
	AN	3.7 (7.3%)	0 (0%)
	BN	3 (5.8%)	0 (0%)
	D	3.4 (6.6%)	0 (0%)
	C	3.1 (5.8%)	0 (0%)
	AVG	3.3 (6.4%)	0 (0%)
APR	W	3.1 (6.1%)	0 (0%)
	AN	3.3 (6.5%)	0 (0%)
	BN	3.5 (6.7%)	0 (0%)
	D	3.6 (6.8%)	0 (0%)
	C	3.6 (6.6%)	0 (0%)
	AVG	3.4 (6.5%)	0 (0%)
MAY	W	3.2 (6%)	0 (0%)
	AN	3.3 (6%)	0 (0%)
	BN	3.9 (7.1%)	0 (0%)
	D	3.6 (6.5%)	0 (0%)
	C	3.5 (6%)	0 (0%)
	AVG	3.4 (6.2%)	0 (0%)
JUN	W	2.3 (4.1%)	0 (0%)
	AN	3.8 (6.6%)	0 (0%)
	BN	3.9 (6.5%)	0 (0%)
	D	4.3 (6.9%)	0 (0%)
	C	4.1 (6.6%)	0 (0.1%)
	AVG	3.5 (5.9%)	0 (0%)
JUL	W	2.1 (3.5%)	0 (0%)
	AN	3.6 (5.7%)	0 (0%)
	BN	3.5 (5.6%)	0 (0%)
	D	3.8 (5.9%)	0 (0%)
	C	4 (6.2%)	0 (0%)
	AVG	3.2 (5.2%)	0 (0%)

Alternative 3: Stanislaus River at Orange Blossom Bridge			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
AUG	W	3.9 (6.4%)	0 (0%)
	AN	3.5 (5.7%)	0 (0%)
	BN	3.5 (5.5%)	0 (0%)
	D	3.5 (5.5%)	0 (0%)
	C	4.2 (6.5%)	0 (0%)
	AVG	3.7 (6%)	0 (0%)
SEP	W	3.8 (6.3%)	0 (0%)
	AN	3.9 (6.2%)	0 (0%)
	BN	3.7 (6%)	0 (0%)
	D	3.7 (5.9%)	0 (0%)
	C	3.8 (6%)	-0.1 (-0.1%)
	AVG	3.8 (6.1%)	0 (0%)
OCT	W	3.3 (5.6%)	0 (0%)
	AN	3 (5.1%)	0 (0%)
	BN	3.2 (5.4%)	0 (0%)
	D	3.4 (5.7%)	0 (0%)
	C	3.6 (5.9%)	0 (0%)
	AVG	3.3 (5.6%)	0 (0%)
NOV	W	3.1 (5.7%)	0 (0%)
	AN	3 (5.5%)	0 (0%)
	BN	3.2 (5.8%)	0 (0%)
	D	3.2 (5.9%)	0 (0%)
	C	3.2 (5.8%)	0 (0%)
	AVG	3.1 (5.7%)	0 (0%)
DEC	W	3.2 (6.3%)	0 (-0.1%)
	AN	2.9 (5.9%)	0 (0%)
	BN	3.3 (6.6%)	0 (0%)
	D	3 (6%)	0 (0%)
	C	3.1 (6.1%)	0 (0%)
	AVG	3.1 (6.2%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.3.20 Stanislaus River at Riverbank

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 3 Model Scenarios in the Stanislaus River at Riverbank, Year-Round

Alternative 3: Stanislaus River at Riverbank				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
JAN	W	47	50	50
	AN	47	49	49
	BN	46	49	49
	D	45	48	48
	C	46	49	49
	AVG	46	49	49
FEB	W	49	52	52
	AN	50	53	53
	BN	50	52	52
	D	50	53	53
	C	51	54	54
	AVG	50	53	53
MAR	W	51	54	54
	AN	52	55	55
	BN	53	56	56
	D	54	57	57
	C	54	57	57
	AVG	52	56	56
APR	W	52	55	55
	AN	53	56	56
	BN	54	57	57
	D	54	58	58
	C	57	60	60
	AVG	54	57	57
MAY	W	56	59	59
	AN	57	60	60
	BN	58	62	62
	D	59	62	62
	C	60	64	64
	AVG	58	61	61
JUN	W	60	62	62
	AN	62	66	66
	BN	64	68	68
	D	66	70	70
	C	66	70	70
	AVG	63	67	67
JUL	W	65	67	67
	AN	68	71	71
	BN	68	71	71
	D	68	72	72
	C	68	72	72
	AVG	67	70	70

Alternative 3: Stanislaus River at Riverbank				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
AUG	W	65	69	69
	AN	67	70	70
	BN	67	70	70
	D	68	71	71
	C	67	71	71
	AVG	66	70	70
SEP	W	64	67	67
	AN	66	70	70
	BN	66	69	69
	D	66	70	70
	C	66	70	69
	AVG	65	69	69
OCT	W	59	63	63
	AN	59	62	62
	BN	59	62	62
	D	59	62	62
	C	61	64	64
	AVG	60	63	63
NOV	W	53	56	56
	AN	53	56	56
	BN	53	56	56
	D	53	56	56
	C	54	57	57
	AVG	53	56	56
DEC	W	48	51	51
	AN	48	50	50
	BN	47	50	50
	D	47	50	50
	C	47	50	50
	AVG	47	50	50

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Riverbank, Year-Round

Alternative 3: Stanislaus River at Riverbank			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
JAN	W	2.9 (6.3%)	0 (0%)
	AN	3 (6.4%)	0 (0%)
	BN	2.8 (6%)	0 (0%)
	D	2.5 (5.6%)	0 (0%)
	C	2.7 (5.8%)	0 (0%)
	AVG	2.8 (6.1%)	0 (0%)
FEB	W	2.9 (5.9%)	0 (0%)
	AN	2.9 (5.8%)	0 (0%)
	BN	2.7 (5.5%)	0 (0%)
	D	3 (6.1%)	0 (0%)
	C	3.1 (6%)	0 (0%)
	AVG	2.9 (5.9%)	0 (0%)
MAR	W	3 (5.9%)	0 (0%)
	AN	3.6 (7%)	0 (0%)
	BN	2.8 (5.3%)	0 (0%)
	D	3.4 (6.4%)	0 (0%)
	C	3 (5.6%)	0 (0%)
	AVG	3.2 (6%)	0 (0%)
APR	W	3 (5.7%)	0 (0%)
	AN	3.2 (6.1%)	0 (0%)
	BN	3.6 (6.6%)	0 (0%)
	D	3.6 (6.7%)	0 (0%)
	C	3.6 (6.4%)	0 (0%)
	AVG	3.3 (6.2%)	0 (0%)
MAY	W	3.2 (5.8%)	0 (0%)
	AN	3.4 (6%)	0 (0%)
	BN	4.3 (7.4%)	0 (0%)
	D	3.9 (6.6%)	0 (0%)
	C	3.5 (5.8%)	0 (0%)
	AVG	3.6 (6.2%)	0 (0%)
JUN	W	2 (3.4%)	0 (0%)
	AN	4 (6.4%)	0 (0%)
	BN	3.7 (5.8%)	0 (0%)
	D	4 (6.1%)	0 (0%)
	C	3.7 (5.6%)	0.1 (0.1%)
	AVG	3.3 (5.2%)	0 (0%)
JUL	W	1.8 (2.8%)	0 (0%)
	AN	3.3 (4.8%)	0 (0%)
	BN	3.1 (4.5%)	0 (0%)
	D	3.6 (5.3%)	0 (0%)
	C	3.5 (5.1%)	0 (0%)
	AVG	2.9 (4.3%)	0 (0%)

Alternative 3: Stanislaus River at Riverbank			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
AUG	W	4.1 (6.4%)	0 (0%)
	AN	3.4 (5.1%)	0 (0%)
	BN	3.2 (4.8%)	0 (0%)
	D	3.3 (4.9%)	0 (0%)
	C	3.8 (5.6%)	0 (0%)
	AVG	3.6 (5.5%)	0 (0%)
SEP	W	3.9 (6.2%)	0 (0%)
	AN	3.9 (5.9%)	0 (0%)
	BN	3.7 (5.7%)	0 (0%)
	D	3.7 (5.6%)	0 (0%)
	C	3.6 (5.5%)	-0.2 (-0.2%)
	AVG	3.8 (5.8%)	0 (0%)
OCT	W	3.1 (5.2%)	0 (0%)
	AN	2.9 (4.9%)	0 (0%)
	BN	2.9 (4.9%)	0 (0%)
	D	3.1 (5.2%)	0 (0%)
	C	3.3 (5.5%)	0 (0%)
	AVG	3.1 (5.2%)	0 (0%)
NOV	W	3 (5.7%)	0 (0%)
	AN	3.1 (5.9%)	0 (0%)
	BN	3.1 (5.8%)	0 (0%)
	D	3.1 (5.8%)	0 (0%)
	C	3 (5.6%)	0 (0%)
	AVG	3.1 (5.8%)	0 (0%)
DEC	W	3 (6.3%)	-0.1 (-0.2%)
	AN	2.9 (6.1%)	0 (0%)
	BN	3.3 (7%)	0 (0%)
	D	2.8 (5.9%)	0 (0%)
	C	2.9 (6.2%)	0 (0%)
	AVG	3 (6.3%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.3.21 Stanislaus River at the Confluence with the San Joaquin River

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 3 Model Scenarios in the Stanislaus River at the Confluence with the San Joaquin River, Year-Round

Alternative 3: Stanislaus River at the Confluence with the San Joaquin River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
JAN	W	46	49	49
	AN	46	49	49
	BN	46	49	49
	D	45	47	47
	C	45	48	48
	AVG	46	48	48
FEB	W	50	53	53
	AN	50	53	53
	BN	50	52	52
	D	50	53	53
	C	51	54	54
	AVG	50	53	53
MAR	W	52	55	55
	AN	53	56	56
	BN	54	57	57
	D	55	58	58
	C	55	58	58
	AVG	54	56	56
APR	W	54	57	57
	AN	55	58	58
	BN	56	60	60
	D	57	60	60
	C	59	62	62
	AVG	56	59	59
MAY	W	59	62	62
	AN	60	63	63
	BN	60	64	64
	D	61	65	65
	C	63	66	66
	AVG	60	64	64
JUN	W	62	65	65
	AN	65	69	69
	BN	66	70	70
	D	68	72	72
	C	68	71	71
	AVG	65	69	69

Alternative 3: Stanislaus River at the Confluence with the San Joaquin River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A3_LLT**
JUL	W	68	70	70
	AN	70	73	73
	BN	70	73	73
	D	70	74	74
	C	70	73	73
	AVG	69	72	72
AUG	W	67	71	71
	AN	69	72	72
	BN	68	71	71
	D	69	72	72
	C	69	72	72
	AVG	68	72	72
SEP	W	65	69	69
	AN	67	71	71
	BN	67	70	70
	D	67	70	70
	C	67	70	70
	AVG	66	70	70
OCT	W	60	63	63
	AN	60	62	62
	BN	59	62	62
	D	59	62	62
	C	61	64	64
	AVG	60	63	63
NOV	W	53	56	56
	AN	52	55	55
	BN	52	55	55
	D	52	55	55
	C	53	56	56
	AVG	52	55	55
DEC	W	47	50	50
	AN	46	49	49
	BN	45	49	49
	D	45	48	48
	C	45	48	48
	AVG	46	49	49

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at the Confluence with the San Joaquin River, Year-Round

Alternative 3: Stanislaus River at the Confluence with the San Joaquin River			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
JAN	W	2.9 (6.3%)	0 (0%)
	AN	2.9 (6.4%)	0 (0%)
	BN	2.8 (6.1%)	0 (0%)
	D	2.5 (5.7%)	0 (0%)
	C	2.8 (6.1%)	0 (0%)
	AVG	2.8 (6.2%)	0 (0%)
FEB	W	2.8 (5.7%)	0 (0%)
	AN	2.8 (5.6%)	0 (0%)
	BN	2.6 (5.2%)	0 (0%)
	D	2.8 (5.6%)	0 (0%)
	C	2.9 (5.6%)	0 (0%)
	AVG	2.8 (5.6%)	0 (0%)
MAR	W	2.8 (5.5%)	0 (0%)
	AN	3.3 (6.3%)	0 (0%)
	BN	2.6 (4.9%)	0 (0%)
	D	3.2 (5.8%)	0 (0%)
	C	2.8 (5.1%)	0 (0%)
	AVG	3 (5.5%)	0 (0%)
APR	W	2.8 (5.2%)	0 (0%)
	AN	3.1 (5.6%)	0 (0%)
	BN	3.4 (6.1%)	0 (0%)
	D	3.5 (6.1%)	0 (0%)
	C	3.2 (5.5%)	0 (0%)
	AVG	3.2 (5.6%)	0 (0%)
MAY	W	3.1 (5.3%)	0 (0%)
	AN	3.4 (5.7%)	0 (0%)
	BN	4.1 (6.8%)	0 (0%)
	D	3.7 (6%)	0 (0%)
	C	3.2 (5.1%)	0 (0%)
	AVG	3.4 (5.7%)	0 (0%)
JUN	W	2.3 (3.6%)	0 (0%)
	AN	3.8 (5.8%)	0 (0%)
	BN	3.4 (5.1%)	0 (0%)
	D	3.4 (5%)	0 (0%)
	C	3.3 (4.8%)	0 (0.1%)
	AVG	3.1 (4.7%)	0 (0%)
JUL	W	2.3 (3.3%)	0 (0%)
	AN	3 (4.2%)	0 (0%)
	BN	2.8 (4%)	0 (0%)
	D	3.2 (4.5%)	0 (0%)
	C	3.1 (4.5%)	0 (0%)
	AVG	2.8 (4%)	0 (0%)

Alternative 3: Stanislaus River at the Confluence with the San Joaquin River			
Month	**WYT**	**EXISTING CONDITIONS vs. A3_LLT**	**NAA vs. A3_LLT**
AUG	W	4.1 (6.1%)	0 (0%)
	AN	3.2 (4.7%)	0 (0%)
	BN	3.1 (4.5%)	0 (0%)
	D	3.1 (4.5%)	0 (0%)
	C	3.6 (5.2%)	0 (0%)
	AVG	3.5 (5.1%)	0 (0%)
SEP	W	3.9 (6%)	0 (0%)
	AN	3.7 (5.6%)	0 (0%)
	BN	3.7 (5.5%)	0 (0%)
	D	3.7 (5.5%)	0 (0%)
	C	3.5 (5.3%)	-0.2 (-0.2%)
	AVG	3.7 (5.6%)	0 (0%)
OCT	W	3 (5%)	0 (0%)
	AN	2.8 (4.8%)	0 (0%)
	BN	2.7 (4.5%)	0 (0%)
	D	2.9 (4.9%)	0 (0%)
	C	3.2 (5.3%)	0 (0%)
	AVG	2.9 (4.9%)	0 (0%)
NOV	W	3 (5.8%)	0 (0%)
	AN	3.2 (6%)	0 (0%)
	BN	3.1 (5.9%)	0 (0%)
	D	3.1 (5.9%)	0 (0%)
	C	2.9 (5.6%)	0 (0%)
	AVG	3.1 (5.8%)	0 (0%)
DEC	W	3 (6.4%)	-0.1 (-0.1%)
	AN	2.9 (6.2%)	0 (0%)
	BN	3.2 (7.1%)	0 (0%)
	D	2.8 (6.1%)	0 (0%)
	C	2.9 (6.4%)	0 (0%)
	AVG	3 (6.4%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.4 Alternative 4

11D.4.1 Sacramento River at Keswick

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4 Model Scenarios in the Sacramento River at Keswick, Year-Round

Alternative 4: Sacramento River at Keswick						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
JAN	W	46	47	47	47	47
	AN	46	48	48	48	48
	BN	47	48	48	48	48
	D	47	48	48	48	48
	C	47	48	48	48	48
	All	46	48	48	48	48
FEB	W	45	47	47	47	47
	AN	46	47	47	47	47
	BN	46	47	47	47	47
	D	46	48	48	48	48
	C	46	48	48	48	48
	All	46	47	47	47	47
MAR	W	46	47	48	47	47
	AN	46	48	48	48	48
	BN	47	48	48	48	48
	D	47	49	49	49	49
	C	48	50	50	49	50
	All	47	48	48	48	48
APR	W	47	49	49	49	49
	AN	48	50	50	50	50
	BN	48	50	50	50	50
	D	48	50	50	50	50
	C	49	51	51	51	51
	All	48	50	50	50	50
MAY	W	49	50	50	50	50
	AN	49	51	51	50	51
	BN	49	51	51	51	51
	D	49	51	51	51	51
	C	51	53	53	53	53
	All	49	51	51	51	51
JUN	W	50	51	51	51	51
	AN	50	51	51	51	51
	BN	50	51	51	51	51
	D	50	52	52	52	52
	C	53	55	55	55	55
	All	50	52	52	52	52

Alternative 4: Sacramento River at Keswick						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
JUL	W	51	52	52	52	52
	AN	51	52	52	52	52
	BN	51	52	53	52	52
	D	51	54	54	54	54
	C	54	59	59	59	58
	All	51	53	54	54	53
AUG	W	52	54	54	54	54
	AN	52	54	55	55	54
	BN	52	54	55	55	54
	D	53	56	56	56	55
	C	57	64	64	64	63
	All	53	56	56	56	56
SEP	W	53	55	56	55	55
	AN	54	56	57	56	56
	BN	54	56	57	57	57
	D	55	59	59	59	59
	C	60	66	66	66	66
	All	55	58	58	58	58
OCT	W	54	57	56	57	57
	AN	54	57	56	57	57
	BN	54	57	57	58	57
	D	55	58	58	59	59
	C	56	60	60	60	60
	All	54	58	57	58	58
NOV	W	53	55	55	55	55
	AN	52	55	54	55	55
	BN	53	55	55	55	55
	D	53	56	55	56	56
	C	54	56	56	56	56
	All	53	55	55	55	55
DEC	W	49	50	50	50	50
	AN	49	51	51	51	51
	BN	50	52	52	52	52
	D	50	52	52	52	52
	C	51	52	52	52	52
	All	50	51	51	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Keswick, Year-Round

Alternative 4: Sacramento River at Keswick					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
JAN	W	1.3 (2.8%)	-0.1 (-0.1%)	0.1 (0.3%)	0.1 (0.1%)
	AN	1.5 (3.2%)	0 (0.1%)	0.1 (0.1%)	0 (0.1%)
	BN	1.6 (3.4%)	-0.1 (-0.2%)	0.1 (0.2%)	0.1 (0.3%)
	D	1.5 (3.3%)	-0.1 (-0.1%)	0.1 (0.1%)	0.2 (0.4%)
	C	1.7 (3.6%)	-0.1 (-0.2%)	0.1 (0.1%)	0.2 (0.4%)
	AVG	1.5 (3.2%)	-0.1 (-0.1%)	0.1 (0.2%)	0.1 (0.2%)
FEB	W	1.5 (3.4%)	0 (0%)	0.1 (0.2%)	0 (0%)
	AN	1.6 (3.6%)	0 (0.1%)	0.1 (0.2%)	0 (0%)
	BN	1.5 (3.3%)	0 (-0.1%)	0.1 (0.2%)	0.1 (0.2%)
	D	1.6 (3.5%)	-0.1 (-0.2%)	0.1 (0.2%)	0.1 (0.2%)
	C	1.7 (3.7%)	-0.1 (-0.2%)	0.1 (0.1%)	0.1 (0.3%)
	AVG	1.6 (3.5%)	0 (-0.1%)	0.1 (0.2%)	0.1 (0.1%)
MAR	W	1.5 (3.2%)	0 (0%)	0.1 (0.2%)	0 (0%)
	AN	1.7 (3.6%)	0.1 (0.1%)	0.1 (0.1%)	0 (0%)
	BN	1.6 (3.4%)	0 (0.1%)	0.1 (0.1%)	0.1 (0.2%)
	D	1.6 (3.4%)	-0.1 (-0.1%)	0 (0.1%)	0 (0.1%)
	C	1.7 (3.5%)	-0.2 (-0.5%)	0.1 (0.1%)	0.2 (0.3%)
	AVG	1.6 (3.4%)	0 (-0.1%)	0.1 (0.1%)	0.1 (0.1%)
APR	W	1.6 (3.4%)	0 (-0.1%)	0.1 (0.2%)	0 (-0.1%)
	AN	1.7 (3.6%)	0 (0%)	0.1 (0.1%)	0 (0%)
	BN	1.5 (3.1%)	0.1 (0.3%)	0 (0.1%)	0.1 (0.2%)
	D	1.5 (3%)	-0.1 (-0.2%)	0 (0.1%)	0.1 (0.2%)
	C	2 (4.1%)	-0.1 (-0.1%)	-0.1 (-0.1%)	-0.1 (-0.2%)
	AVG	1.6 (3.4%)	0 (0%)	0 (0.1%)	0 (0%)
MAY	W	1.6 (3.3%)	-0.1 (-0.2%)	0 (0.1%)	0.1 (0.1%)
	AN	1.2 (2.5%)	-0.1 (-0.2%)	0.2 (0.4%)	0.1 (0.1%)
	BN	1.4 (2.8%)	0 (0%)	0 (0%)	0.2 (0.3%)
	D	1.4 (2.9%)	-0.1 (-0.2%)	-0.1 (-0.2%)	0.1 (0.2%)
	C	2.3 (4.4%)	0.2 (0.4%)	-0.1 (-0.2%)	-0.4 (-0.7%)
	AVG	1.6 (3.2%)	0 (-0.1%)	0 (0%)	0 (0.1%)
JUN	W	0.8 (1.7%)	-0.1 (-0.2%)	0 (0%)	0.1 (0.2%)
	AN	1 (2.1%)	-0.2 (-0.4%)	0.1 (0.3%)	0.2 (0.4%)
	BN	1.1 (2.2%)	-0.1 (-0.3%)	0 (0%)	0 (0.1%)
	D	2 (4%)	0.1 (0.3%)	-0.2 (-0.3%)	0 (-0.1%)
	C	2.4 (4.5%)	0.3 (0.5%)	0.1 (0.2%)	-0.2 (-0.4%)
	AVG	1.4 (2.8%)	0 (0%)	0 (0%)	0 (0%)
JUL	W	1.1 (2.2%)	0.2 (0.4%)	0 (0.1%)	-0.1 (-0.2%)
	AN	1.7 (3.4%)	0.3 (0.6%)	0 (0.1%)	-0.3 (-0.6%)
	BN	1.7 (3.3%)	0.3 (0.6%)	0.2 (0.3%)	-0.3 (-0.5%)
	D	2.9 (5.7%)	0.6 (1.1%)	-0.2 (-0.5%)	-0.6 (-1%)
	C	5.1 (9.4%)	-0.1 (-0.1%)	-0.2 (-0.4%)	-1 (-1.7%)
	AVG	2.3 (4.4%)	0.3 (0.5%)	0 (-0.1%)	-0.4 (-0.7%)

Alternative 4: Sacramento River at Keswick					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
AUG	W	2.2 (4.1%)	0.2 (0.4%)	0.1 (0.2%)	-0.2 (-0.4%)
	AN	2.3 (4.4%)	0.4 (0.8%)	0 (0%)	-0.5 (-0.9%)
	BN	2.9 (5.6%)	0.5 (1%)	0.1 (0.1%)	-0.6 (-1.1%)
	D	3.3 (6.3%)	0.3 (0.5%)	-0.1 (-0.2%)	-0.6 (-1%)
	C	7.7 (13.7%)	0.3 (0.4%)	-0.2 (-0.3%)	-1.2 (-1.8%)
	AVG	3.4 (6.4%)	0.3 (0.6%)	0 (0%)	-0.5 (-1%)
SEP	W	1.9 (3.6%)	0.3 (0.5%)	0.5 (0.8%)	-0.2 (-0.3%)
	AN	2.7 (5%)	0.4 (0.8%)	0.3 (0.6%)	-0.4 (-0.7%)
	BN	3.6 (6.7%)	0.9 (1.6%)	-0.4 (-0.7%)	-0.7 (-1.3%)
	D	4.3 (7.8%)	-0.1 (-0.2%)	-0.4 (-0.7%)	-0.4 (-0.7%)
	C	6.2 (10.3%)	0.3 (0.4%)	-0.4 (-0.6%)	-0.9 (-1.3%)
	AVG	3.5 (6.3%)	0.3 (0.5%)	0 (0%)	-0.5 (-0.8%)
OCT	W	3.3 (6.2%)	0.3 (0.5%)	-0.7 (-1.2%)	0 (0%)
	AN	3 (5.6%)	0.2 (0.4%)	-0.6 (-1.1%)	-0.1 (-0.2%)
	BN	3.3 (6%)	0.2 (0.4%)	-0.6 (-1.1%)	-0.2 (-0.4%)
	D	3.9 (7.1%)	0.4 (0.7%)	-0.6 (-1.1%)	-0.3 (-0.5%)
	C	3.7 (6.6%)	0 (-0.1%)	-0.3 (-0.5%)	-0.4 (-0.7%)
	AVG	3.5 (6.3%)	0.2 (0.4%)	-0.6 (-1%)	-0.2 (-0.3%)
NOV	W	2.3 (4.4%)	0.1 (0.1%)	-0.3 (-0.6%)	-0.1 (-0.1%)
	AN	2.3 (4.4%)	0.1 (0.2%)	-0.3 (-0.6%)	-0.1 (-0.1%)
	BN	2.4 (4.6%)	0 (0%)	-0.4 (-0.7%)	-0.1 (-0.3%)
	D	2.4 (4.6%)	0.1 (0.1%)	-0.2 (-0.4%)	0 (0%)
	C	2.3 (4.3%)	-0.1 (-0.3%)	0 (-0.1%)	-0.1 (-0.2%)
	AVG	2.4 (4.5%)	0 (0.1%)	-0.3 (-0.5%)	-0.1 (-0.1%)
DEC	W	1.2 (2.5%)	0 (-0.1%)	0.1 (0.2%)	0.1 (0.1%)
	AN	1.7 (3.5%)	0 (-0.1%)	-0.2 (-0.5%)	0.1 (0.2%)
	BN	1.9 (3.8%)	-0.1 (-0.2%)	0 (-0.1%)	0 (0.1%)
	D	1.8 (3.6%)	-0.1 (-0.3%)	0 (-0.1%)	0.1 (0.2%)
	C	1.8 (3.6%)	-0.1 (-0.3%)	0 (0%)	0.1 (0.2%)
	AVG	1.6 (3.3%)	-0.1 (-0.2%)	0 (0%)	0.1 (0.2%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.4.2 Sacramento River at Jelly's Ferry

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4 Model Scenarios in the Sacramento River at Jelly's Ferry, Year-Round

Alternative 4: Sacramento River at Jelly's Ferry						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
JAN	W	45	47	47	47	47
	AN	45	47	47	47	47
	BN	45	46	47	46	47
	D	45	47	47	47	47
	C	45	47	47	47	47
	AVG	45	47	47	47	47
FEB	W	46	47	47	47	47
	AN	46	48	48	48	48
	BN	46	48	48	47	48
	D	46	48	48	48	48
	C	47	49	49	49	49
	AVG	46	48	48	48	48
MAR	W	48	49	50	49	49
	AN	49	51	51	51	51
	BN	49	51	51	51	51
	D	50	51	51	51	51
	C	50	52	52	52	52
	AVG	49	51	51	51	51
APR	W	51	53	53	53	53
	AN	53	55	55	55	55
	BN	53	54	54	54	54
	D	52	54	54	54	54
	C	52	54	54	54	54
	AVG	52	54	54	54	54
MAY	W	54	57	57	57	57
	AN	55	57	56	56	56
	BN	54	57	56	56	57
	D	54	56	55	55	56
	C	55	57	57	57	57
	AVG	54	57	56	56	56
JUN	W	55	56	56	56	56
	AN	55	56	55	55	56
	BN	54	56	55	56	56
	D	54	56	56	56	56
	C	56	58	58	58	58
	AVG	55	56	56	56	56
JUL	W	56	57	57	57	57
	AN	55	56	56	56	56
	BN	55	56	57	57	56
	D	55	57	58	58	58
	C	57	62	62	62	61
	AVG	55	57	58	58	57

Alternative 4: Sacramento River at Jelly's Ferry						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
AUG	W	56	59	59	59	58
	AN	56	58	59	59	58
	BN	56	58	59	59	58
	D	56	59	60	60	59
	C	59	67	66	67	66
	AVG	57	60	60	60	60
SEP	W	56	57	59	58	57
	AN	57	59	60	59	59
	BN	57	60	60	61	60
	D	58	63	62	62	62
	C	61	67	67	67	66
	AVG	58	61	61	61	60
OCT	W	54	57	57	57	57
	AN	54	57	57	57	57
	BN	55	57	57	58	57
	D	55	58	58	59	58
	C	56	60	59	60	59
	AVG	55	58	58	58	58
NOV	W	51	53	52	53	53
	AN	51	53	53	53	53
	BN	51	54	53	53	53
	D	51	54	53	54	54
	C	52	55	54	54	54
	AVG	51	53	53	53	53
DEC	W	47	48	48	48	48
	AN	47	48	48	48	48
	BN	47	49	49	49	49
	D	47	49	49	49	49
	C	47	49	49	49	49
	AVG	47	48	49	48	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Jelly's Ferry, Year-Round

Alternative 4: Sacramento River at Jelly's Ferry					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
JAN	W	1.4 (3.2%)	0 (0%)	0.1 (0.2%)	0 (0%)
	AN	1.5 (3.4%)	0 (0%)	0.2 (0.3%)	0 (0%)
	BN	1.7 (3.8%)	0 (0%)	0.1 (0.2%)	0.1 (0.1%)
	D	1.8 (4%)	-0.1 (-0.1%)	0.1 (0.2%)	0 (0%)
	C	2.1 (4.7%)	0 (-0.1%)	0.1 (0.1%)	-0.1 (-0.1%)
	AVG	1.7 (3.7%)	0 (0%)	0.1 (0.2%)	0 (0%)
FEB	W	1.6 (3.4%)	0 (0%)	0 (0.1%)	0 (0%)
	AN	1.6 (3.5%)	0 (0%)	0.1 (0.1%)	0 (0%)
	BN	1.6 (3.6%)	0 (0%)	0 (0.1%)	0 (0.1%)
	D	1.8 (3.9%)	0 (-0.1%)	0 (0.1%)	0 (0%)
	C	1.9 (4.1%)	0 (-0.1%)	0 (0%)	0 (0.1%)
	AVG	1.7 (3.7%)	0 (0%)	0 (0.1%)	0 (0%)
MAR	W	1.4 (3%)	0 (0%)	0 (0.1%)	0 (0%)
	AN	1.6 (3.2%)	0 (0.1%)	0 (0%)	0 (0.1%)
	BN	1.7 (3.5%)	0 (0.1%)	-0.1 (-0.2%)	0.1 (0.2%)
	D	1.6 (3.3%)	0 (-0.1%)	0 (0%)	0 (0.1%)
	C	1.6 (3.2%)	-0.2 (-0.4%)	0 (0%)	0.1 (0.2%)
	AVG	1.6 (3.2%)	0 (-0.1%)	0 (0%)	0 (0.1%)
APR	W	1.8 (3.5%)	0 (0%)	0 (0%)	0 (0%)
	AN	1.8 (3.4%)	-0.1 (-0.2%)	0 (0%)	0 (0%)
	BN	1.7 (3.2%)	-0.1 (-0.2%)	0 (0.1%)	0.2 (0.4%)
	D	1.6 (3.1%)	-0.2 (-0.4%)	0.1 (0.1%)	0.2 (0.4%)
	C	2 (3.8%)	0 (-0.1%)	0 (-0.1%)	-0.1 (-0.1%)
	AVG	1.8 (3.4%)	-0.1 (-0.1%)	0 (0%)	0.1 (0.1%)
MAY	W	2.7 (4.9%)	-0.3 (-0.5%)	0 (0%)	0.1 (0.2%)
	AN	1.2 (2.1%)	-0.5 (-0.9%)	0.2 (0.4%)	0.3 (0.4%)
	BN	1.8 (3.3%)	-0.3 (-0.6%)	-0.1 (-0.1%)	0.4 (0.8%)
	D	1.4 (2.5%)	-0.5 (-0.8%)	-0.1 (-0.2%)	0.4 (0.7%)
	C	2 (3.7%)	0.1 (0.2%)	-0.1 (-0.1%)	-0.2 (-0.4%)
	AVG	1.9 (3.5%)	-0.3 (-0.5%)	0 (0%)	0.2 (0.4%)
JUN	W	1 (1.8%)	-0.4 (-0.7%)	0 (-0.1%)	0.3 (0.6%)
	AN	0.7 (1.2%)	-0.7 (-1.2%)	0.1 (0.2%)	0.7 (1.3%)
	BN	1.2 (2.3%)	-0.3 (-0.6%)	-0.1 (-0.1%)	0.3 (0.6%)
	D	1.8 (3.3%)	-0.1 (-0.2%)	-0.1 (-0.2%)	0.2 (0.4%)
	C	2.2 (4%)	0.2 (0.4%)	0.1 (0.2%)	-0.1 (-0.1%)
	AVG	1.3 (2.4%)	-0.3 (-0.5%)	0 (0%)	0.3 (0.5%)
JUL	W	1.1 (1.9%)	0.1 (0.2%)	0 (0%)	0 (-0.1%)
	AN	1.7 (3.1%)	0.3 (0.5%)	0 (0%)	-0.2 (-0.3%)
	BN	2 (3.6%)	0.3 (0.6%)	0.1 (0.2%)	-0.2 (-0.4%)
	D	3.1 (5.7%)	0.7 (1.3%)	-0.3 (-0.5%)	-0.6 (-1%)
	C	5 (8.7%)	0 (-0.1%)	-0.1 (-0.2%)	-0.9 (-1.5%)
	AVG	2.3 (4.2%)	0.3 (0.5%)	-0.1 (-0.1%)	-0.3 (-0.6%)

Alternative 4: Sacramento River at Jelly's Ferry					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
AUG	W	2.7 (4.8%)	0.2 (0.3%)	0.1 (0.1%)	-0.3 (-0.5%)
	AN	2.4 (4.2%)	0.5 (0.8%)	0 (-0.1%)	-0.6 (-1.1%)
	BN	3.1 (5.6%)	0.5 (0.9%)	0.1 (0.2%)	-0.6 (-1%)
	D	3.8 (6.8%)	0.8 (1.3%)	-0.1 (-0.2%)	-0.8 (-1.4%)
	C	7.4 (12.5%)	0.3 (0.5%)	-0.3 (-0.5%)	-1.2 (-1.8%)
	AVG	3.7 (6.5%)	0.4 (0.7%)	0 (0%)	-0.6 (-1.1%)
SEP	W	1.4 (2.5%)	0.2 (0.3%)	1.9 (3.2%)	-0.2 (-0.3%)
	AN	1.8 (3.2%)	0.5 (0.9%)	1.1 (1.9%)	-0.5 (-0.8%)
	BN	3.9 (6.8%)	1 (1.7%)	-0.7 (-1.1%)	-0.7 (-1.1%)
	D	4.6 (7.9%)	-0.3 (-0.5%)	-0.4 (-0.7%)	-0.5 (-0.7%)
	C	5.5 (8.9%)	0.2 (0.2%)	-0.3 (-0.4%)	-0.7 (-1.1%)
	AVG	3.2 (5.5%)	0.3 (0.4%)	0.5 (0.8%)	-0.5 (-0.8%)
OCT	W	3 (5.5%)	0.2 (0.3%)	-0.4 (-0.7%)	0 (0%)
	AN	2.7 (5%)	0.2 (0.3%)	-0.4 (-0.7%)	-0.1 (-0.1%)
	BN	3.2 (5.8%)	0.2 (0.4%)	-0.4 (-0.7%)	-0.3 (-0.4%)
	D	3.4 (6.2%)	0.2 (0.4%)	-0.4 (-0.7%)	-0.3 (-0.4%)
	C	3.4 (6%)	0 (0%)	-0.2 (-0.4%)	-0.3 (-0.5%)
	AVG	3.1 (5.7%)	0.2 (0.3%)	-0.4 (-0.6%)	-0.2 (-0.3%)
NOV	W	2.2 (4.3%)	-0.1 (-0.2%)	-0.4 (-0.7%)	0 (0%)
	AN	2.1 (4.2%)	-0.1 (-0.2%)	-0.3 (-0.6%)	0 (0.1%)
	BN	2.4 (4.6%)	-0.2 (-0.3%)	-0.4 (-0.7%)	-0.1 (-0.2%)
	D	2.2 (4.2%)	-0.1 (-0.1%)	-0.2 (-0.4%)	0 (0%)
	C	2.2 (4.3%)	-0.1 (-0.3%)	-0.1 (-0.1%)	-0.1 (-0.2%)
	AVG	2.2 (4.3%)	-0.1 (-0.2%)	-0.3 (-0.5%)	0 (-0.1%)
DEC	W	1.1 (2.4%)	-0.1 (-0.1%)	0.2 (0.5%)	0.1 (0.1%)
	AN	1.8 (3.8%)	0 (0%)	-0.1 (-0.3%)	0.1 (0.2%)
	BN	2 (4.2%)	0 (0.1%)	0 (0.1%)	-0.1 (-0.2%)
	D	1.9 (4%)	-0.1 (-0.1%)	0.1 (0.2%)	-0.1 (-0.1%)
	C	1.9 (4%)	-0.1 (-0.1%)	0.1 (0.2%)	0 (0.1%)
	AVG	1.6 (3.5%)	0 (-0.1%)	0.1 (0.2%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.4.3 Sacramento River at Bend Bridge

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4 Model Scenarios in the Sacramento River at Bend Bridge, Year-Round

Alternative 4: Sacramento River at Bend Bridge						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
JAN	W	45	47	47	47	47
	AN	45	47	47	47	47
	BN	45	46	46	46	46
	D	45	47	47	47	47
	C	45	47	47	47	47
	AVG	45	47	47	47	47
FEB	W	46	47	47	47	47
	AN	46	48	48	48	48
	BN	46	48	48	48	48
	D	46	48	48	48	48
	C	47	49	49	49	49
	AVG	46	48	48	48	48
MAR	W	48	50	50	50	50
	AN	49	51	51	51	51
	BN	49	51	51	51	51
	D	50	52	52	52	52
	C	50	52	52	52	52
	AVG	49	51	51	51	51
APR	W	51	53	53	53	53
	AN	53	55	55	55	55
	BN	53	55	55	55	55
	D	53	55	55	54	55
	C	52	54	54	54	54
	AVG	52	54	54	54	54
MAY	W	54	57	57	57	57
	AN	55	57	57	57	57
	BN	55	57	57	57	57
	D	55	56	56	56	56
	C	55	57	57	58	57
	AVG	55	57	57	57	57
JUN	W	56	57	57	57	57
	AN	55	57	56	56	57
	BN	55	57	56	56	57
	D	55	57	57	57	57
	C	57	59	59	59	59
	AVG	55	57	57	57	57
JUL	W	56	57	57	57	57
	AN	55	57	57	57	57
	BN	55	57	58	57	57
	D	56	58	59	59	58
	C	58	63	63	63	62
	AVG	56	58	58	58	58

Alternative 4: Sacramento River at Bend Bridge						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
AUG	W	57	59	60	59	59
	AN	57	59	59	59	59
	BN	56	59	60	59	59
	D	57	60	61	61	60
	C	60	67	67	67	66
	AVG	57	60	61	61	60
SEP	W	57	58	60	58	58
	AN	58	59	61	60	59
	BN	58	60	61	62	61
	D	58	63	62	63	62
	C	62	67	67	67	66
	AVG	58	61	62	61	61
OCT	W	54	57	57	57	57
	AN	55	57	57	57	57
	BN	55	58	57	58	58
	D	55	58	58	59	58
	C	56	60	59	60	59
	AVG	55	58	58	58	58
NOV	W	51	53	52	53	53
	AN	51	53	52	53	53
	BN	51	53	53	53	53
	D	51	54	53	53	53
	C	52	54	54	54	54
	AVG	51	53	53	53	53
DEC	W	47	48	48	48	48
	AN	46	48	48	48	48
	BN	47	49	49	49	49
	D	46	48	48	48	48
	C	47	49	49	49	49
	AVG	47	48	48	48	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Bend Bridge, Year-Round

Alternative 4: Sacramento River at Bend Bridge					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
JAN	W	1.4 (3.2%)	0 (0%)	0.1 (0.2%)	0 (0%)
	AN	1.6 (3.5%)	0 (0%)	0.2 (0.3%)	0 (0%)
	BN	1.7 (3.9%)	0 (0%)	0.1 (0.2%)	0.1 (0.1%)
	D	1.8 (4.1%)	0 (-0.1%)	0.1 (0.2%)	0 (0%)
	C	2.2 (4.9%)	0 (-0.1%)	0.1 (0.1%)	-0.1 (-0.2%)
	AVG	1.7 (3.8%)	0 (0%)	0.1 (0.2%)	0 (0%)
FEB	W	1.6 (3.4%)	0 (0%)	0 (0.1%)	0 (0%)
	AN	1.6 (3.5%)	0 (0%)	0.1 (0.1%)	0 (0%)
	BN	1.7 (3.7%)	0 (0%)	0 (0.1%)	0 (0.1%)
	D	1.9 (4%)	0 (-0.1%)	0 (0.1%)	0 (0%)
	C	2 (4.2%)	0 (-0.1%)	0 (0%)	0 (0.1%)
	AVG	1.7 (3.7%)	0 (0%)	0 (0.1%)	0 (0%)
MAR	W	1.5 (3%)	0 (0%)	0 (0.1%)	0 (0%)
	AN	1.6 (3.2%)	0 (0.1%)	0 (0%)	0 (0.1%)
	BN	1.8 (3.6%)	0 (0.1%)	-0.1 (-0.2%)	0.1 (0.1%)
	D	1.7 (3.3%)	0 (-0.1%)	0 (0%)	0 (0.1%)
	C	1.6 (3.2%)	-0.2 (-0.4%)	0 (0%)	0.1 (0.2%)
	AVG	1.6 (3.2%)	0 (-0.1%)	0 (0%)	0 (0.1%)
APR	W	1.8 (3.5%)	0 (0%)	0 (0%)	0 (0%)
	AN	1.8 (3.4%)	-0.1 (-0.2%)	0 (0%)	0 (0%)
	BN	1.7 (3.2%)	-0.1 (-0.2%)	0 (0.1%)	0.2 (0.4%)
	D	1.7 (3.2%)	-0.2 (-0.4%)	0.1 (0.1%)	0.2 (0.4%)
	C	2 (3.8%)	0 (-0.1%)	0 (-0.1%)	-0.1 (-0.1%)
	AVG	1.8 (3.4%)	-0.1 (-0.1%)	0 (0%)	0.1 (0.1%)
MAY	W	2.7 (5%)	-0.3 (-0.5%)	0 (0%)	0.1 (0.2%)
	AN	1.2 (2.2%)	-0.5 (-0.9%)	0.2 (0.4%)	0.3 (0.5%)
	BN	1.8 (3.3%)	-0.4 (-0.6%)	-0.1 (-0.1%)	0.5 (0.8%)
	D	1.4 (2.5%)	-0.5 (-0.8%)	-0.1 (-0.2%)	0.4 (0.7%)
	C	2 (3.6%)	0.1 (0.1%)	-0.1 (-0.1%)	-0.2 (-0.3%)
	AVG	1.9 (3.5%)	-0.3 (-0.5%)	0 (0%)	0.2 (0.4%)
JUN	W	1 (1.8%)	-0.4 (-0.8%)	0 (-0.1%)	0.3 (0.6%)
	AN	0.7 (1.2%)	-0.7 (-1.3%)	0.1 (0.2%)	0.8 (1.4%)
	BN	1.3 (2.3%)	-0.4 (-0.6%)	-0.1 (-0.2%)	0.3 (0.6%)
	D	1.8 (3.3%)	-0.2 (-0.3%)	-0.1 (-0.2%)	0.2 (0.4%)
	C	2.2 (3.9%)	0.2 (0.4%)	0.1 (0.2%)	0 (-0.1%)
	AVG	1.4 (2.5%)	-0.3 (-0.5%)	0 (0%)	0.3 (0.6%)
JUL	W	1.1 (1.9%)	0.1 (0.2%)	0 (0%)	0 (-0.1%)
	AN	1.7 (3.1%)	0.3 (0.5%)	0 (0%)	-0.2 (-0.3%)
	BN	2 (3.7%)	0.3 (0.6%)	0.1 (0.2%)	-0.2 (-0.3%)
	D	3.2 (5.7%)	0.7 (1.3%)	-0.3 (-0.5%)	-0.6 (-1%)
	C	5 (8.6%)	0 (0%)	-0.1 (-0.2%)	-0.9 (-1.4%)
	AVG	2.4 (4.2%)	0.3 (0.5%)	-0.1 (-0.1%)	-0.3 (-0.6%)

Alternative 4: Sacramento River at Bend Bridge					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
AUG	W	2.8 (4.9%)	0.2 (0.3%)	0.1 (0.1%)	-0.3 (-0.5%)
	AN	2.4 (4.2%)	0.5 (0.8%)	0 (-0.1%)	-0.6 (-1.1%)
	BN	3.2 (5.6%)	0.5 (0.8%)	0.1 (0.2%)	-0.6 (-1%)
	D	3.9 (6.8%)	0.8 (1.3%)	-0.1 (-0.2%)	-0.9 (-1.4%)
	C	7.4 (12.3%)	0.3 (0.5%)	-0.3 (-0.5%)	-1.2 (-1.8%)
	AVG	3.7 (6.5%)	0.4 (0.7%)	0 (-0.1%)	-0.7 (-1.1%)
SEP	W	1.4 (2.4%)	0.1 (0.3%)	2 (3.5%)	-0.2 (-0.4%)
	AN	1.8 (3%)	0.5 (0.9%)	1.2 (2%)	-0.5 (-0.8%)
	BN	3.9 (6.8%)	1 (1.7%)	-0.7 (-1.1%)	-0.7 (-1.1%)
	D	4.6 (7.9%)	-0.3 (-0.5%)	-0.4 (-0.6%)	-0.5 (-0.7%)
	C	5.4 (8.7%)	0.1 (0.2%)	-0.3 (-0.4%)	-0.7 (-1%)
	AVG	3.2 (5.5%)	0.2 (0.4%)	0.6 (0.9%)	-0.5 (-0.7%)
OCT	W	3 (5.5%)	0.1 (0.3%)	-0.4 (-0.7%)	0 (0%)
	AN	2.7 (5%)	0.2 (0.3%)	-0.4 (-0.6%)	-0.1 (-0.1%)
	BN	3.2 (5.8%)	0.2 (0.4%)	-0.4 (-0.7%)	-0.2 (-0.4%)
	D	3.4 (6.1%)	0.2 (0.4%)	-0.4 (-0.6%)	-0.3 (-0.4%)
	C	3.4 (6%)	0 (0%)	-0.2 (-0.3%)	-0.3 (-0.5%)
	AVG	3.1 (5.7%)	0.2 (0.3%)	-0.4 (-0.6%)	-0.2 (-0.3%)
NOV	W	2.2 (4.3%)	-0.1 (-0.2%)	-0.4 (-0.7%)	0 (0%)
	AN	2.1 (4.2%)	-0.1 (-0.2%)	-0.3 (-0.6%)	0 (0.1%)
	BN	2.4 (4.7%)	-0.2 (-0.3%)	-0.4 (-0.7%)	-0.1 (-0.2%)
	D	2.2 (4.3%)	-0.1 (-0.2%)	-0.2 (-0.4%)	0 (0%)
	C	2.3 (4.4%)	-0.1 (-0.3%)	-0.1 (-0.2%)	-0.1 (-0.2%)
	AVG	2.2 (4.4%)	-0.1 (-0.2%)	-0.3 (-0.5%)	0 (-0.1%)
DEC	W	1.1 (2.4%)	-0.1 (-0.1%)	0.2 (0.5%)	0.1 (0.1%)
	AN	1.8 (3.9%)	0 (0%)	-0.1 (-0.2%)	0.1 (0.1%)
	BN	2 (4.3%)	0 (0.1%)	0 (0.1%)	-0.1 (-0.2%)
	D	1.9 (4.1%)	-0.1 (-0.1%)	0.1 (0.2%)	-0.1 (-0.1%)
	C	1.9 (4.2%)	0 (-0.1%)	0.1 (0.2%)	0 (0.1%)
	AVG	1.7 (3.6%)	0 (-0.1%)	0.1 (0.2%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.4.4 Sacramento River at Red Bluff Diversion Dam

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4 Model Scenarios in the Sacramento River at Red Bluff Diversion Dam, Year-Round

Alternative 4: Sacramento River at Red Bluff Diversion Dam						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
JAN	W	45	46	47	46	47
	AN	45	47	47	47	47
	BN	44	46	46	46	46
	D	44	46	46	46	46
	C	44	47	47	47	47
	AVG	45	46	47	46	46
FEB	W	46	47	48	47	47
	AN	46	48	48	48	48
	BN	46	48	48	48	48
	D	46	48	48	48	48
	C	47	49	49	49	49
	AVG	46	48	48	48	48
MAR	W	48	50	50	50	50
	AN	49	51	51	51	51
	BN	49	51	51	51	51
	D	50	52	52	52	52
	C	51	53	52	52	52
	AVG	49	51	51	51	51
APR	W	52	54	54	54	54
	AN	53	55	55	55	55
	BN	54	55	55	55	56
	D	54	55	55	55	56
	C	53	55	55	55	55
	AVG	53	55	55	55	55
MAY	W	55	58	58	58	58
	AN	56	58	58	58	58
	BN	56	58	58	58	58
	D	56	58	57	57	57
	C	57	59	59	59	58
	AVG	56	58	58	58	58
JUN	W	57	59	58	58	59
	AN	57	58	58	58	58
	BN	57	58	58	58	58
	D	57	59	59	59	59
	C	58	60	60	60	60
	AVG	57	59	58	58	59
JUL	W	58	59	59	59	59
	AN	57	59	59	59	59
	BN	57	59	59	59	59
	D	57	60	60	61	60
	C	60	64	64	64	64
	AVG	58	60	60	60	60

Alternative 4: Sacramento River at Red Bluff Diversion Dam						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
AUG	W	58	61	61	61	61
	AN	59	61	61	61	60
	BN	58	61	61	61	61
	D	59	62	63	63	62
	C	61	68	68	69	67
	AVG	59	62	63	63	62
SEP	W	58	59	61	59	59
	AN	59	60	62	61	60
	BN	59	62	62	63	62
	D	59	64	64	64	64
	C	63	68	68	68	67
	AVG	59	62	63	62	62
OCT	W	55	57	57	58	58
	AN	55	57	57	58	58
	BN	55	58	58	58	58
	D	55	59	58	59	59
	C	56	60	60	60	60
	AVG	55	58	58	58	58
NOV	W	50	53	52	53	53
	AN	50	53	52	53	53
	BN	51	53	53	53	53
	D	51	53	53	53	53
	C	52	54	54	54	54
	AVG	51	53	53	53	53
DEC	W	46	48	48	48	48
	AN	46	48	48	48	48
	BN	46	48	48	48	48
	D	46	48	48	48	48
	C	46	48	48	48	48
	AVG	46	48	48	48	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Red Bluff Diversion Dam, Year-Round

Alternative 4: Sacramento River at Red Bluff Diversion Dam					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
JAN	W	1.5 (3.3%)	0 (0%)	0.1 (0.2%)	0 (0%)
	AN	1.6 (3.6%)	0 (0%)	0.2 (0.3%)	0 (0%)
	BN	1.8 (4%)	0 (0%)	0.1 (0.2%)	0.1 (0.1%)
	D	1.9 (4.3%)	0 (-0.1%)	0.1 (0.2%)	0 (0%)
	C	2.3 (5.1%)	0 (-0.1%)	0.1 (0.1%)	-0.1 (-0.2%)
	AVG	1.8 (4%)	0 (0%)	0.1 (0.2%)	0 (0%)
FEB	W	1.6 (3.5%)	0 (0%)	0 (0.1%)	0 (0%)
	AN	1.7 (3.6%)	0 (0%)	0.1 (0.1%)	0 (0%)
	BN	1.7 (3.8%)	0 (0%)	0 (0.1%)	0 (0.1%)
	D	1.9 (4.2%)	0 (-0.1%)	0 (0.1%)	0 (0%)
	C	2.1 (4.4%)	0 (-0.1%)	0 (0%)	0 (0%)
	AVG	1.8 (3.8%)	0 (0%)	0 (0.1%)	0 (0%)
MAR	W	1.5 (3.1%)	0 (0%)	0 (0.1%)	0 (0%)
	AN	1.6 (3.3%)	0 (0.1%)	0 (0%)	0 (0.1%)
	BN	1.8 (3.6%)	0 (0.1%)	-0.1 (-0.2%)	0.1 (0.1%)
	D	1.7 (3.4%)	0 (-0.1%)	0 (0%)	0 (0.1%)
	C	1.7 (3.3%)	-0.2 (-0.4%)	0 (0%)	0.1 (0.2%)
	AVG	1.6 (3.3%)	0 (-0.1%)	0 (0%)	0 (0.1%)
APR	W	1.8 (3.5%)	0 (0%)	0 (0%)	0 (0%)
	AN	1.9 (3.5%)	-0.1 (-0.2%)	0 (0%)	0 (0%)
	BN	1.8 (3.3%)	-0.1 (-0.2%)	0 (0.1%)	0.2 (0.4%)
	D	1.7 (3.2%)	-0.2 (-0.3%)	0.1 (0.1%)	0.2 (0.4%)
	C	2 (3.8%)	0 (-0.1%)	0 (-0.1%)	-0.1 (-0.1%)
	AVG	1.8 (3.5%)	-0.1 (-0.1%)	0 (0%)	0.1 (0.1%)
MAY	W	2.8 (5.1%)	-0.3 (-0.4%)	0 (0%)	0.1 (0.2%)
	AN	1.3 (2.2%)	-0.6 (-1%)	0.2 (0.4%)	0.3 (0.5%)
	BN	1.9 (3.4%)	-0.4 (-0.7%)	-0.1 (-0.1%)	0.5 (0.8%)
	D	1.4 (2.5%)	-0.5 (-0.9%)	-0.1 (-0.2%)	0.4 (0.7%)
	C	2 (3.6%)	0.1 (0.1%)	-0.1 (-0.1%)	-0.2 (-0.3%)
	AVG	2 (3.6%)	-0.3 (-0.6%)	0 (0%)	0.2 (0.4%)
JUN	W	1.1 (2%)	-0.5 (-0.8%)	-0.1 (-0.1%)	0.4 (0.6%)
	AN	0.7 (1.3%)	-0.8 (-1.3%)	0.1 (0.2%)	0.8 (1.4%)
	BN	1.4 (2.4%)	-0.4 (-0.7%)	-0.1 (-0.2%)	0.4 (0.7%)
	D	1.8 (3.2%)	-0.2 (-0.4%)	-0.1 (-0.2%)	0.3 (0.5%)
	C	2.2 (3.8%)	0.2 (0.3%)	0.1 (0.2%)	0 (0%)
	AVG	1.4 (2.5%)	-0.4 (-0.6%)	0 (0%)	0.4 (0.6%)
JUL	W	1.2 (2%)	0.1 (0.1%)	0 (0%)	0 (0%)
	AN	1.8 (3.1%)	0.2 (0.4%)	0 (0%)	-0.1 (-0.2%)
	BN	2.2 (3.8%)	0.3 (0.5%)	0.1 (0.2%)	-0.2 (-0.3%)
	D	3.2 (5.6%)	0.8 (1.3%)	-0.3 (-0.5%)	-0.6 (-1%)
	C	4.9 (8.2%)	0 (0%)	-0.1 (-0.1%)	-0.9 (-1.3%)
	AVG	2.4 (4.2%)	0.3 (0.5%)	-0.1 (-0.1%)	-0.3 (-0.5%)

Alternative 4: Sacramento River at Red Bluff Diversion Dam					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
AUG	W	2.9 (5%)	0.1 (0.2%)	0 (0.1%)	-0.3 (-0.5%)
	AN	2.5 (4.2%)	0.5 (0.7%)	-0.1 (-0.1%)	-0.7 (-1.1%)
	BN	3.2 (5.6%)	0.5 (0.8%)	0.2 (0.2%)	-0.6 (-0.9%)
	D	4 (6.9%)	0.9 (1.5%)	-0.1 (-0.2%)	-0.9 (-1.5%)
	C	7.3 (11.8%)	0.3 (0.4%)	-0.4 (-0.6%)	-1.2 (-1.8%)
	AVG	3.8 (6.5%)	0.4 (0.7%)	0 (-0.1%)	-0.7 (-1.1%)
SEP	W	1.3 (2.3%)	0.1 (0.2%)	2.3 (3.9%)	-0.2 (-0.4%)
	AN	1.7 (2.8%)	0.5 (0.9%)	1.4 (2.3%)	-0.5 (-0.9%)
	BN	4 (6.9%)	1 (1.6%)	-0.7 (-1.2%)	-0.7 (-1%)
	D	4.7 (7.9%)	-0.3 (-0.5%)	-0.4 (-0.6%)	-0.5 (-0.7%)
	C	5.3 (8.5%)	0.1 (0.1%)	-0.2 (-0.3%)	-0.7 (-1%)
	AVG	3.2 (5.3%)	0.2 (0.4%)	0.7 (1.1%)	-0.5 (-0.7%)
OCT	W	2.9 (5.4%)	0.1 (0.2%)	-0.3 (-0.6%)	0 (0%)
	AN	2.7 (5%)	0.1 (0.2%)	-0.3 (-0.5%)	-0.1 (-0.1%)
	BN	3.2 (5.7%)	0.2 (0.4%)	-0.4 (-0.6%)	-0.2 (-0.4%)
	D	3.3 (5.9%)	0.2 (0.3%)	-0.3 (-0.5%)	-0.2 (-0.4%)
	C	3.4 (5.9%)	0 (0%)	-0.2 (-0.3%)	-0.3 (-0.5%)
	AVG	3.1 (5.6%)	0.1 (0.2%)	-0.3 (-0.5%)	-0.1 (-0.3%)
NOV	W	2.2 (4.4%)	-0.1 (-0.3%)	-0.3 (-0.6%)	0 (0%)
	AN	2.2 (4.3%)	-0.1 (-0.2%)	-0.3 (-0.6%)	0 (0.1%)
	BN	2.4 (4.8%)	-0.2 (-0.3%)	-0.3 (-0.6%)	-0.1 (-0.2%)
	D	2.2 (4.4%)	-0.1 (-0.2%)	-0.2 (-0.4%)	0 (0%)
	C	2.3 (4.5%)	-0.1 (-0.3%)	-0.1 (-0.1%)	-0.1 (-0.2%)
	AVG	2.3 (4.5%)	-0.1 (-0.3%)	-0.3 (-0.5%)	0 (-0.1%)
DEC	W	1.2 (2.6%)	-0.1 (-0.1%)	0.2 (0.5%)	0.1 (0.1%)
	AN	1.9 (4.1%)	0 (0%)	-0.1 (-0.2%)	0.1 (0.1%)
	BN	2 (4.4%)	0 (0.1%)	0 (0.1%)	-0.1 (-0.2%)
	D	2 (4.3%)	0 (-0.1%)	0.1 (0.2%)	-0.1 (-0.2%)
	C	2 (4.4%)	0 (-0.1%)	0.1 (0.3%)	0 (0.1%)
	AVG	1.7 (3.7%)	0 (-0.1%)	0.1 (0.2%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.4.5 Sacramento River at Hamilton City

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4 Model Scenarios in the Sacramento River at Hamilton City, Year-Round

Alternative 4: Sacramento River at Hamilton City						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
JAN	W	45	47	47	47	47
	AN	45	47	47	47	47
	BN	44	46	46	46	46
	D	44	46	46	46	46
	C	44	47	47	47	47
	AVG	45	47	47	47	47
FEB	W	46	48	48	48	48
	AN	47	48	48	48	48
	BN	46	48	48	48	48
	D	47	49	49	49	49
	C	48	50	50	50	50
	AVG	47	49	49	49	49
MAR	W	49	51	51	51	51
	AN	51	52	52	52	52
	BN	51	53	53	53	53
	D	52	54	53	53	54
	C	52	54	54	54	54
	AVG	51	52	52	52	52
APR	W	54	55	55	56	55
	AN	55	57	57	57	57
	BN	56	58	58	58	58
	D	56	58	58	58	58
	C	56	58	58	58	58
	AVG	55	57	57	57	57
MAY	W	58	62	61	61	61
	AN	60	62	61	61	61
	BN	59	62	61	61	62
	D	59	61	60	60	61
	C	60	62	62	62	62
	AVG	59	62	61	61	61
JUN	W	61	63	62	62	63
	AN	61	62	62	61	62
	BN	60	62	62	62	62
	D	60	63	62	62	63
	C	61	63	64	63	64
	AVG	61	63	62	62	63
JUL	W	62	63	63	63	63
	AN	61	63	63	63	63
	BN	61	63	64	64	63
	D	61	64	64	65	64
	C	63	68	68	68	67
	AVG	62	64	64	64	64

Alternative 4: Sacramento River at Hamilton City						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
AUG	W	62	65	65	65	65
	AN	62	64	65	65	64
	BN	62	65	65	65	65
	D	62	65	66	66	65
	C	65	71	71	72	70
	AVG	62	66	66	66	66
SEP	W	60	61	64	61	61
	AN	62	63	65	63	63
	BN	62	65	65	66	65
	D	62	67	67	67	66
	C	64	69	69	69	69
	AVG	62	65	66	65	64
OCT	W	55	58	58	58	58
	AN	56	58	58	58	58
	BN	56	59	59	59	59
	D	56	59	59	59	59
	C	57	60	60	60	60
	AVG	56	59	59	59	59
NOV	W	50	53	52	52	52
	AN	50	53	52	53	53
	BN	50	53	53	53	53
	D	51	53	53	53	53
	C	52	54	54	54	54
	AVG	51	53	53	53	53
DEC	W	46	47	47	47	47
	AN	46	48	47	48	48
	BN	45	48	48	48	47
	D	45	48	48	48	48
	C	45	48	48	48	48
	AVG	46	47	48	47	47

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Hamilton City, Year-Round

Alternative 4: Sacramento River at Hamilton City					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
JAN	W	1.6 (3.6%)	0 (0%)	0.1 (0.2%)	0 (0%)
	AN	1.8 (3.9%)	0 (0%)	0.1 (0.2%)	0 (0%)
	BN	1.9 (4.4%)	0 (0%)	0.1 (0.1%)	0 (0.1%)
	D	2.1 (4.8%)	0 (-0.1%)	0.1 (0.1%)	0 (-0.1%)
	C	2.5 (5.6%)	0 (0%)	0 (0.1%)	-0.1 (-0.3%)
	AVG	1.9 (4.3%)	0 (0%)	0.1 (0.1%)	0 (0%)
FEB	W	1.7 (3.6%)	0 (0%)	0 (0.1%)	0 (0%)
	AN	1.7 (3.7%)	0 (0%)	0 (0.1%)	0 (0%)
	BN	1.8 (4%)	0 (-0.1%)	0 (0%)	0 (0%)
	D	2.1 (4.4%)	0 (0%)	0 (0%)	0 (0%)
	C	2.2 (4.7%)	0 (-0.1%)	0 (0%)	0 (0%)
	AVG	1.9 (4%)	0 (0%)	0 (0%)	0 (0%)
MAR	W	1.5 (3.1%)	0 (0%)	0 (0%)	0 (0%)
	AN	1.7 (3.3%)	0 (0%)	0 (-0.1%)	0 (0.1%)
	BN	1.9 (3.7%)	0 (0.1%)	-0.2 (-0.3%)	0.1 (0.1%)
	D	1.8 (3.5%)	0 (-0.1%)	0 (0%)	0 (0.1%)
	C	1.7 (3.3%)	-0.2 (-0.3%)	0 (0%)	0.1 (0.2%)
	AVG	1.7 (3.3%)	0 (0%)	0 (-0.1%)	0 (0.1%)
APR	W	1.9 (3.5%)	0 (0.1%)	0 (-0.1%)	0 (0%)
	AN	2 (3.6%)	-0.1 (-0.2%)	0 (0%)	0 (0%)
	BN	1.9 (3.3%)	-0.2 (-0.3%)	0 (0.1%)	0.3 (0.5%)
	D	1.9 (3.4%)	-0.2 (-0.3%)	0.1 (0.1%)	0.2 (0.3%)
	C	2 (3.7%)	0 (-0.1%)	0 (0%)	0 (-0.1%)
	AVG	1.9 (3.5%)	-0.1 (-0.1%)	0 (0%)	0.1 (0.1%)
MAY	W	3 (5.1%)	-0.3 (-0.4%)	0 (0%)	0.2 (0.3%)
	AN	1.4 (2.3%)	-0.7 (-1.1%)	0.2 (0.3%)	0.3 (0.5%)
	BN	2 (3.3%)	-0.5 (-0.9%)	-0.1 (-0.2%)	0.6 (1%)
	D	1.4 (2.4%)	-0.6 (-1%)	-0.1 (-0.2%)	0.5 (0.8%)
	C	2 (3.4%)	0 (0%)	0 (-0.1%)	-0.1 (-0.2%)
	AVG	2.1 (3.5%)	-0.4 (-0.7%)	0 (0%)	0.3 (0.5%)
JUN	W	1.3 (2.2%)	-0.6 (-0.9%)	-0.1 (-0.1%)	0.5 (0.7%)
	AN	0.8 (1.3%)	-0.9 (-1.5%)	0.1 (0.2%)	1 (1.7%)
	BN	1.5 (2.5%)	-0.5 (-0.8%)	-0.1 (-0.2%)	0.5 (0.9%)
	D	1.8 (3%)	-0.4 (-0.6%)	-0.1 (-0.1%)	0.4 (0.7%)
	C	2.2 (3.7%)	0.1 (0.2%)	0.2 (0.3%)	0.1 (0.1%)
	AVG	1.5 (2.5%)	-0.5 (-0.7%)	0 (0%)	0.5 (0.8%)
JUL	W	1.3 (2.1%)	0 (0%)	0 (0%)	0 (0%)
	AN	1.9 (3.1%)	0.2 (0.4%)	0 (-0.1%)	0 (-0.1%)
	BN	2.4 (3.9%)	0.3 (0.5%)	0.1 (0.1%)	-0.1 (-0.2%)
	D	3.4 (5.5%)	0.9 (1.4%)	-0.3 (-0.5%)	-0.6 (-1%)
	C	4.8 (7.7%)	0 (0.1%)	0 (0%)	-0.8 (-1.1%)
	AVG	2.5 (4.1%)	0.3 (0.5%)	-0.1 (-0.1%)	-0.3 (-0.4%)

Alternative 4: Sacramento River at Hamilton City					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
AUG	W	3.4 (5.4%)	0.1 (0.2%)	0.1 (0.1%)	-0.3 (-0.5%)
	AN	2.6 (4.1%)	0.5 (0.7%)	-0.1 (-0.1%)	-0.7 (-1.1%)
	BN	3.4 (5.5%)	0.4 (0.6%)	0.2 (0.3%)	-0.5 (-0.8%)
	D	4.3 (7%)	1.2 (1.8%)	-0.1 (-0.1%)	-1.1 (-1.6%)
	C	7 (10.8%)	0.3 (0.5%)	-0.5 (-0.6%)	-1.1 (-1.6%)
	AVG	4 (6.4%)	0.5 (0.7%)	0 (-0.1%)	-0.7 (-1.1%)
SEP	W	1.1 (1.9%)	0 (0.1%)	3.1 (5%)	-0.2 (-0.4%)
	AN	1.4 (2.2%)	0.6 (0.9%)	1.8 (2.8%)	-0.6 (-0.9%)
	BN	4.2 (6.7%)	1 (1.5%)	-0.7 (-1.1%)	-0.6 (-0.9%)
	D	4.7 (7.6%)	-0.4 (-0.6%)	-0.3 (-0.4%)	-0.5 (-0.7%)
	C	4.9 (7.6%)	-0.1 (-0.1%)	-0.2 (-0.2%)	-0.6 (-0.8%)
	AVG	3 (4.9%)	0.2 (0.3%)	1 (1.6%)	-0.4 (-0.7%)
OCT	W	2.8 (5.1%)	0.1 (0.2%)	-0.2 (-0.3%)	0 (0%)
	AN	2.7 (4.9%)	0 (0.1%)	-0.2 (-0.3%)	-0.1 (-0.1%)
	BN	3.1 (5.6%)	0.2 (0.4%)	-0.3 (-0.4%)	-0.2 (-0.3%)
	D	3.1 (5.5%)	0.1 (0.2%)	-0.2 (-0.4%)	-0.2 (-0.4%)
	C	3.3 (5.7%)	0 (0.1%)	-0.2 (-0.3%)	-0.2 (-0.4%)
	AVG	3 (5.3%)	0.1 (0.2%)	-0.2 (-0.3%)	-0.1 (-0.2%)
NOV	W	2.3 (4.6%)	-0.1 (-0.2%)	-0.2 (-0.4%)	0 (0%)
	AN	2.4 (4.7%)	-0.1 (-0.1%)	-0.2 (-0.4%)	0 (0.1%)
	BN	2.5 (5%)	-0.1 (-0.3%)	-0.2 (-0.5%)	-0.1 (-0.1%)
	D	2.3 (4.6%)	-0.1 (-0.2%)	-0.2 (-0.3%)	0 (0%)
	C	2.5 (4.8%)	-0.1 (-0.2%)	-0.1 (-0.1%)	-0.1 (-0.1%)
	AVG	2.4 (4.7%)	-0.1 (-0.2%)	-0.2 (-0.3%)	0 (0%)
DEC	W	1.4 (3%)	-0.1 (-0.1%)	0.2 (0.5%)	0 (0.1%)
	AN	2 (4.4%)	0 (0%)	-0.1 (-0.1%)	0 (0.1%)
	BN	2.2 (4.8%)	0.1 (0.1%)	0 (0.1%)	-0.1 (-0.2%)
	D	2.1 (4.7%)	0 (-0.1%)	0.1 (0.2%)	-0.1 (-0.2%)
	C	2.2 (4.9%)	0 (0%)	0.1 (0.2%)	0 (0%)
	AVG	1.9 (4.2%)	0 (0%)	0.1 (0.2%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.4.6 Trinity River below Lewiston Reservoir

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4 Model Scenarios in the Trinity River below Lewiston Reservoir, Year-Round

Alternative 4: Trinity River below Lewiston Reservoir						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
JAN	W	41	43	43	43	43
	AN	38	41	41	41	40
	BN	39	41	41	41	41
	D	39	41	41	42	41
	C	39	42	42	42	42
	AVG	39	42	42	42	41
FEB	W	43	45	45	45	45
	AN	43	45	45	45	45
	BN	42	44	44	44	44
	D	42	45	45	45	45
	C	43	45	46	46	46
	AVG	43	45	45	45	45
MAR	W	46	48	48	48	48
	AN	47	49	49	49	49
	BN	47	48	48	48	49
	D	48	50	50	50	50
	C	48	50	50	50	50
	AVG	47	49	49	49	49
APR	W	49	51	51	51	51
	AN	50	52	52	52	52
	BN	51	53	53	53	53
	D	51	53	53	53	53
	C	50	52	53	52	52
	AVG	50	52	52	52	52
MAY	W	46	48	48	48	48
	AN	46	48	48	48	48
	BN	46	49	49	49	49
	D	47	49	49	49	49
	C	49	52	52	52	53
	AVG	47	49	49	49	49
JUN	W	48	51	51	51	51
	AN	51	52	52	52	52
	BN	52	53	53	53	53
	D	52	54	55	54	54
	C	56	59	59	59	60
	AVG	51	53	53	53	53
JUL	W	51	55	54	54	54
	AN	52	54	52	52	53
	BN	52	55	54	55	55
	D	51	54	53	53	54
	C	53	60	60	61	59
	AVG	51	55	55	55	55

Alternative 4: Trinity River below Lewiston Reservoir						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
AUG	W	52	54	54	54	54
	AN	51	53	53	53	52
	BN	52	55	55	55	55
	D	50	54	55	55	54
	C	54	63	63	64	62
	AVG	52	56	55	56	55
SEP	W	49	51	52	51	51
	AN	50	51	52	52	51
	BN	51	55	55	55	55
	D	50	56	56	56	56
	C	57	62	62	63	62
	AVG	51	54	55	55	54
OCT	W	48	51	51	51	51
	AN	49	52	52	52	52
	BN	50	53	53	53	53
	D	50	52	52	52	52
	C	51	56	55	55	55
	AVG	49	52	52	52	52
NOV	W	44	47	47	47	47
	AN	45	47	47	47	47
	BN	45	47	48	48	47
	D	44	47	47	47	47
	C	46	48	48	48	48
	AVG	45	47	47	47	47
DEC	W	41	43	43	43	43
	AN	39	43	43	43	43
	BN	40	42	42	42	42
	D	40	42	42	42	42
	C	39	41	41	41	41
	AVG	40	42	42	42	42

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River below Lewiston Reservoir, Year-Round

Alternative 4: Trinity River below Lewiston Reservoir					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
JAN	W	1.9 (4.8%)	-0.1 (-0.2%)	0 (0%)	0 (0%)
	AN	2.4 (6.3%)	0 (0%)	0.1 (0.2%)	-0.4 (-1%)
	BN	2 (5.2%)	-0.1 (-0.2%)	-0.1 (-0.2%)	0 (0%)
	D	2.9 (7.5%)	0.2 (0.4%)	-0.3 (-0.7%)	-0.7 (-1.6%)
	C	2.4 (6%)	0.1 (0.1%)	0 (0.1%)	-0.1 (-0.3%)
	AVG	2.3 (5.8%)	0 (0%)	-0.1 (-0.1%)	-0.2 (-0.5%)
FEB	W	2.4 (5.5%)	0 (-0.1%)	0 (0%)	0 (0.1%)
	AN	2.2 (5.2%)	0 (-0.1%)	0.1 (0.2%)	0 (0.1%)
	BN	2.1 (5.1%)	0 (0%)	0 (0%)	0 (0%)
	D	2.3 (5.4%)	0 (0%)	0.1 (0.1%)	0 (0.1%)
	C	2.4 (5.4%)	0.2 (0.3%)	0 (0%)	0 (0%)
	AVG	2.3 (5.3%)	0 (0%)	0 (0%)	0 (0%)
MAR	W	2 (4.3%)	0 (0%)	-0.1 (-0.3%)	0 (0%)
	AN	1.6 (3.5%)	-0.1 (-0.1%)	0 (0%)	0 (-0.1%)
	BN	1.8 (3.8%)	0 (-0.1%)	-0.1 (-0.3%)	0.4 (0.9%)
	D	1.4 (3%)	-0.1 (-0.1%)	0.1 (0.3%)	0.1 (0.2%)
	C	2.1 (4.4%)	0 (0%)	0 (0%)	0 (0%)
	AVG	1.8 (3.8%)	0 (-0.1%)	0 (-0.1%)	0.1 (0.2%)
APR	W	1.9 (4%)	0.4 (0.9%)	-0.4 (-0.8%)	0.2 (0.3%)
	AN	2.3 (4.6%)	0.3 (0.7%)	-0.1 (-0.1%)	-0.4 (-0.8%)
	BN	2.5 (4.9%)	0 (-0.1%)	0 (0%)	0.1 (0.2%)
	D	2.3 (4.6%)	0.1 (0.1%)	0 (-0.1%)	-0.1 (-0.1%)
	C	2.2 (4.3%)	0 (0%)	0.2 (0.4%)	0.1 (0.3%)
	AVG	2.2 (4.4%)	0.2 (0.4%)	-0.1 (-0.2%)	0 (0%)
MAY	W	2.5 (5.4%)	0 (0.1%)	0 (0%)	0 (-0.1%)
	AN	2.3 (5%)	0 (0%)	0 (0%)	0 (0%)
	BN	2.2 (4.7%)	0 (0%)	0 (0.1%)	0.1 (0.1%)
	D	2.5 (5.4%)	0 (-0.1%)	0.1 (0.1%)	0 (0%)
	C	3.2 (6.5%)	0 (0%)	0 (0%)	0.2 (0.4%)
	AVG	2.5 (5.4%)	0 (0%)	0 (0%)	0 (0.1%)
JUN	W	2.2 (4.5%)	-0.1 (-0.1%)	0 (0.1%)	0.1 (0.1%)
	AN	1.1 (2.2%)	0 (0%)	0 (0%)	0 (0%)
	BN	1.6 (3%)	-0.3 (-0.5%)	0.1 (0.3%)	0.2 (0.5%)
	D	2.5 (4.7%)	0.2 (0.3%)	0.1 (0.2%)	-0.1 (-0.3%)
	C	2.9 (5.3%)	-0.8 (-1.3%)	0.2 (0.3%)	1.2 (2.1%)
	AVG	2.1 (4.1%)	-0.1 (-0.3%)	0.1 (0.2%)	0.2 (0.4%)
JUL	W	3 (5.9%)	-0.8 (-1.5%)	0 (0%)	0.1 (0.1%)
	AN	0.9 (1.8%)	-1.1 (-2.1%)	0 (0%)	0.9 (1.7%)
	BN	2.5 (4.9%)	-0.7 (-1.2%)	-0.3 (-0.5%)	0.4 (0.8%)
	D	2.5 (4.9%)	-0.2 (-0.3%)	-0.1 (-0.2%)	0.2 (0.4%)
	C	7.9 (15%)	1 (1.7%)	-0.2 (-0.3%)	-1.2 (-2%)
	AVG	3.2 (6.3%)	-0.4 (-0.8%)	-0.1 (-0.2%)	0.1 (0.2%)

Alternative 4: Trinity River below Lewiston Reservoir					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
AUG	W	1.6 (3%)	-0.5 (-0.9%)	0 (0%)	0.1 (0.1%)
	AN	2 (4%)	-0.2 (-0.3%)	0 (0%)	-0.4 (-0.8%)
	BN	3.1 (6%)	0.1 (0.2%)	0 (-0.1%)	-0.3 (-0.5%)
	D	5 (9.9%)	0.9 (1.7%)	-0.5 (-0.9%)	-0.8 (-1.4%)
	C	9.7 (18%)	0.3 (0.4%)	-0.4 (-0.6%)	-1.9 (-3%)
	AVG	3.9 (7.5%)	0.1 (0.2%)	-0.2 (-0.3%)	-0.5 (-1%)
SEP	W	2 (4.2%)	0.1 (0.2%)	0.6 (1.2%)	0 (-0.1%)
	AN	2 (4.1%)	0.3 (0.6%)	0 (0%)	-0.4 (-0.7%)
	BN	3.7 (7.2%)	0.1 (0.3%)	0 (0%)	-0.1 (-0.2%)
	D	6.3 (12.7%)	0.5 (0.9%)	-0.7 (-1.3%)	-0.8 (-1.5%)
	C	6.3 (11.1%)	0.6 (1%)	-0.9 (-1.4%)	-1.2 (-1.9%)
	AVG	3.9 (7.7%)	0.3 (0.6%)	-0.1 (-0.2%)	-0.4 (-0.8%)
OCT	W	3 (6.2%)	-0.3 (-0.5%)	0.3 (0.6%)	0 (-0.1%)
	AN	2.5 (5%)	0.1 (0.2%)	0 (0%)	-0.3 (-0.5%)
	BN	3 (6%)	0.1 (0.2%)	0 (0%)	-0.2 (-0.3%)
	D	2.8 (5.7%)	0.6 (1.2%)	-0.4 (-0.7%)	-0.6 (-1.1%)
	C	3.9 (7.6%)	-0.5 (-1%)	-0.4 (-0.8%)	0.3 (0.5%)
	AVG	3 (6.1%)	0 (0%)	-0.1 (-0.1%)	-0.2 (-0.3%)
NOV	W	2.6 (5.8%)	0 (-0.1%)	0.2 (0.3%)	0.1 (0.2%)
	AN	2.4 (5.3%)	0.1 (0.3%)	0 (0%)	0 (0%)
	BN	3.1 (6.8%)	0.5 (1.1%)	-0.3 (-0.7%)	-0.4 (-0.8%)
	D	2.9 (6.6%)	0.2 (0.4%)	-0.3 (-0.5%)	-0.1 (-0.2%)
	C	2 (4.3%)	-0.1 (-0.2%)	0.2 (0.4%)	0.2 (0.4%)
	AVG	2.6 (5.8%)	0.1 (0.2%)	0 (-0.1%)	0 (-0.1%)
DEC	W	1.9 (4.7%)	-0.2 (-0.4%)	-0.1 (-0.2%)	0 (0.1%)
	AN	3.4 (8.6%)	-0.2 (-0.5%)	-0.1 (-0.2%)	0.1 (0.1%)
	BN	2.5 (6.3%)	0 (0%)	-0.3 (-0.6%)	0 (0.1%)
	D	1.9 (4.7%)	0 (0.1%)	-0.2 (-0.4%)	-0.1 (-0.1%)
	C	1.7 (4.5%)	0 (0%)	0.3 (0.7%)	0.1 (0.1%)
	AVG	2.2 (5.4%)	-0.1 (-0.2%)	-0.1 (-0.2%)	0 (0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.4.7 Trinity River at Douglas City

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4 Model Scenarios in the Trinity River at Douglas City, Year-Round

Alternative 4: Trinity River at Douglas City						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
JAN	W	40	42	42	42	42
	AN	39	40	40	40	40
	BN	38	40	40	40	40
	D	38	40	40	40	40
	C	39	41	41	41	41
	AVG	39	41	41	41	41
FEB	W	43	45	45	45	45
	AN	43	45	45	45	45
	BN	42	44	44	44	44
	D	43	44	44	44	44
	C	43	45	45	45	45
	AVG	43	45	45	45	45
MAR	W	46	47	47	47	47
	AN	47	48	48	48	48
	BN	47	48	48	48	48
	D	48	49	49	49	49
	C	48	49	49	49	49
	AVG	47	48	48	48	48
APR	W	51	52	52	52	52
	AN	52	53	53	53	53
	BN	52	54	54	54	54
	D	53	54	54	54	54
	C	52	54	54	54	54
	AVG	52	53	53	53	53
MAY	W	48	50	50	50	50
	AN	48	50	50	50	50
	BN	49	51	51	51	51
	D	49	51	52	51	51
	C	52	55	55	55	55
	AVG	49	51	51	51	51
JUN	W	51	54	54	53	54
	AN	54	55	55	55	55
	BN	55	57	57	57	57
	D	57	59	60	60	59
	C	60	63	63	62	63
	AVG	55	57	57	57	57
JUL	W	57	61	60	60	60
	AN	58	60	59	59	60
	BN	59	62	61	61	62
	D	59	62	62	62	62
	C	62	67	67	67	67
	AVG	59	62	62	62	62

Alternative 4: Trinity River at Douglas City						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
AUG	W	60	62	62	62	62
	AN	59	61	61	61	61
	BN	60	63	63	63	63
	D	58	62	62	63	62
	C	61	67	68	68	66
	AVG	60	63	63	63	63
SEP	W	55	57	58	57	57
	AN	55	57	57	57	57
	BN	56	59	59	59	59
	D	55	60	59	60	59
	C	59	64	65	64	64
	AVG	56	59	59	59	59
OCT	W	50	53	53	53	53
	AN	51	53	53	53	53
	BN	52	54	54	54	54
	D	51	53	53	53	53
	C	53	56	55	55	55
	AVG	51	54	54	54	54
NOV	W	44	46	46	46	46
	AN	45	47	47	47	47
	BN	45	47	47	47	47
	D	44	46	46	46	46
	C	46	47	48	47	48
	AVG	44	47	47	47	47
DEC	W	41	43	43	43	43
	AN	40	42	42	42	42
	BN	39	42	41	42	42
	D	40	42	42	42	42
	C	39	41	41	41	41
	AVG	40	42	42	42	42

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River at Douglas City, Year-Round

Alternative 4: Trinity River at Douglas City					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
JAN	W	1.5 (3.6%)	-0.1 (-0.3%)	0 (0.1%)	0 (0%)
	AN	1.6 (4.1%)	0 (0%)	0.2 (0.4%)	-0.2 (-0.4%)
	BN	1.5 (3.8%)	0 (-0.1%)	-0.1 (-0.1%)	0 (0%)
	D	2.3 (5.9%)	0.1 (0.2%)	-0.1 (-0.3%)	-0.3 (-0.9%)
	C	2.2 (5.5%)	0.1 (0.2%)	0 (-0.1%)	-0.1 (-0.2%)
	AVG	1.8 (4.5%)	0 (0%)	0 (0%)	-0.1 (-0.3%)
FEB	W	1.6 (3.6%)	0 (-0.1%)	0 (0%)	0 (0.1%)
	AN	1.5 (3.5%)	0 (0%)	0 (0.1%)	0 (0%)
	BN	1.6 (3.8%)	0 (0%)	0 (0%)	0 (0%)
	D	1.6 (3.7%)	0 (0%)	0 (0.1%)	0 (0%)
	C	1.9 (4.4%)	0.1 (0.2%)	0 (0%)	0 (0%)
	AVG	1.6 (3.8%)	0 (0%)	0 (0%)	0 (0%)
MAR	W	1.2 (2.6%)	0 (0%)	0 (-0.1%)	0 (0%)
	AN	1 (2.1%)	0 (0%)	0 (0%)	0 (0%)
	BN	1.1 (2.4%)	0 (-0.1%)	0 (0%)	0.1 (0.3%)
	D	1 (2.1%)	0 (0%)	0.1 (0.1%)	0 (0.1%)
	C	1.5 (3.2%)	0 (0%)	0 (0%)	0 (0%)
	AVG	1.2 (2.5%)	0 (0%)	0 (0%)	0 (0.1%)
APR	W	1.4 (2.7%)	0.2 (0.3%)	-0.2 (-0.3%)	0.1 (0.1%)
	AN	1.6 (3.1%)	0.2 (0.4%)	0 (-0.1%)	-0.2 (-0.4%)
	BN	1.7 (3.2%)	0 (0%)	0 (0%)	0.1 (0.1%)
	D	1.8 (3.3%)	0 (0.1%)	0 (0%)	0 (-0.1%)
	C	1.8 (3.5%)	0 (0%)	0.1 (0.2%)	0.1 (0.2%)
	AVG	1.6 (3.1%)	0.1 (0.2%)	0 (-0.1%)	0 (0%)
MAY	W	2.4 (4.9%)	0 (0.1%)	0 (0%)	0 (0%)
	AN	2.2 (4.7%)	0 (0%)	0 (0%)	0 (0%)
	BN	2.1 (4.3%)	0 (-0.1%)	0 (0.1%)	0 (0.1%)
	D	2.5 (5%)	0 (-0.1%)	0 (0.1%)	0 (0%)
	C	3 (5.8%)	0 (0%)	0 (0%)	0.2 (0.3%)
	AVG	2.4 (4.9%)	0 (0%)	0 (0%)	0 (0%)
JUN	W	2.1 (4.1%)	-0.1 (-0.1%)	0 (0.1%)	0.1 (0.1%)
	AN	1 (1.8%)	0 (0%)	0 (0%)	0 (0%)
	BN	1.6 (3%)	-0.2 (-0.3%)	0.1 (0.2%)	0.2 (0.3%)
	D	2.5 (4.4%)	0.1 (0.2%)	0.1 (0.1%)	-0.1 (-0.2%)
	C	2.7 (4.5%)	-0.5 (-0.8%)	0.1 (0.2%)	0.7 (1.1%)
	AVG	2 (3.7%)	-0.1 (-0.2%)	0.1 (0.1%)	0.1 (0.2%)
JUL	W	3.2 (5.6%)	-0.6 (-0.9%)	0 (0%)	0 (0.1%)
	AN	1.5 (2.6%)	-0.8 (-1.3%)	0 (0%)	0.6 (1%)
	BN	2.2 (3.8%)	-0.4 (-0.7%)	-0.2 (-0.3%)	0.3 (0.5%)
	D	2.7 (4.5%)	0 (-0.1%)	-0.1 (-0.2%)	0.1 (0.1%)
	C	5.4 (8.8%)	0.8 (1.2%)	-0.1 (-0.1%)	-0.6 (-0.9%)
	AVG	3 (5.1%)	-0.2 (-0.4%)	-0.1 (-0.1%)	0.1 (0.1%)

Alternative 4: Trinity River at Douglas City					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
AUG	W	2.3 (3.8%)	-0.3 (-0.4%)	0 (0%)	0 (0%)
	AN	2.5 (4.3%)	-0.1 (-0.1%)	0 (0%)	-0.2 (-0.4%)
	BN	3.1 (5.2%)	0.1 (0.1%)	0 (0%)	-0.1 (-0.2%)
	D	4.2 (7.2%)	0.5 (0.8%)	-0.3 (-0.4%)	-0.4 (-0.7%)
	C	7.1 (11.7%)	0.8 (1.2%)	-0.2 (-0.3%)	-1.7 (-2.5%)
	AVG	3.6 (6%)	0.1 (0.2%)	-0.1 (-0.1%)	-0.4 (-0.6%)
SEP	W	2.5 (4.6%)	0.1 (0.1%)	0.4 (0.6%)	0 (0%)
	AN	2.5 (4.5%)	0.2 (0.3%)	0 (0%)	-0.2 (-0.4%)
	BN	3.5 (6.2%)	0.1 (0.2%)	0 (0%)	-0.1 (-0.1%)
	D	5 (9.1%)	0.3 (0.5%)	-0.4 (-0.7%)	-0.5 (-0.8%)
	C	5.2 (8.9%)	-0.1 (-0.1%)	0.8 (1.3%)	-0.5 (-0.8%)
	AVG	3.6 (6.5%)	0.1 (0.2%)	0.1 (0.2%)	-0.2 (-0.4%)
OCT	W	2.4 (4.8%)	-0.2 (-0.3%)	0.2 (0.3%)	0 (0%)
	AN	2 (4%)	0.1 (0.3%)	0 (0%)	-0.1 (-0.3%)
	BN	2.4 (4.7%)	0.1 (0.1%)	0 (0%)	-0.1 (-0.2%)
	D	2.3 (4.5%)	0.3 (0.6%)	-0.2 (-0.4%)	-0.3 (-0.6%)
	C	2.7 (5.2%)	-0.4 (-0.6%)	-0.2 (-0.5%)	0.2 (0.4%)
	AVG	2.4 (4.7%)	0 (0%)	0 (0%)	-0.1 (-0.1%)
NOV	W	2.1 (4.7%)	0 (0%)	0.1 (0.2%)	0 (0%)
	AN	2.1 (4.6%)	0.1 (0.1%)	0 (0%)	0 (0%)
	BN	2.5 (5.6%)	0.3 (0.6%)	-0.2 (-0.4%)	-0.2 (-0.4%)
	D	2.3 (5.2%)	0.1 (0.2%)	-0.1 (-0.3%)	-0.1 (-0.1%)
	C	1.8 (3.9%)	-0.1 (-0.1%)	0.1 (0.2%)	0.1 (0.2%)
	AVG	2.2 (4.8%)	0.1 (0.1%)	0 (0%)	0 (-0.1%)
DEC	W	1.4 (3.4%)	0 (0%)	0.1 (0.2%)	0.1 (0.1%)
	AN	2.3 (5.7%)	-0.1 (-0.3%)	-0.1 (-0.1%)	0 (0.1%)
	BN	2.1 (5.4%)	0 (0%)	-0.1 (-0.3%)	0 (0%)
	D	1.8 (4.5%)	0 (0.1%)	-0.1 (-0.2%)	0 (-0.1%)
	C	2.2 (5.6%)	-0.1 (-0.1%)	0.2 (0.5%)	0.1 (0.2%)
	AVG	1.8 (4.6%)	0 (0%)	0 (0%)	0 (0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.4.8 Trinity River below North Fork

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4 Model Scenarios in the Trinity River below North Fork, Year-Round

Alternative 4: Trinity River below North Fork						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
JAN	W	40	41	41	41	41
	AN	38	39	40	39	39
	BN	38	39	39	39	39
	D	38	39	39	39	39
	C	38	40	40	40	40
	AVG	39	40	40	40	40
FEB	W	43	44	44	44	44
	AN	43	44	44	44	44
	BN	43	44	44	44	44
	D	43	44	44	44	44
	C	43	45	45	45	45
	AVG	43	44	44	44	44
MAR	W	46	47	47	47	47
	AN	46	47	47	47	47
	BN	46	47	47	47	47
	D	47	48	48	48	48
	C	48	49	49	49	49
	AVG	47	47	47	47	47
APR	W	53	53	53	53	53
	AN	54	54	55	55	55
	BN	54	55	55	55	55
	D	54	55	55	55	55
	C	54	55	55	55	55
	AVG	53	54	54	55	55
MAY	W	50	52	52	52	52
	AN	50	52	52	52	52
	BN	51	53	53	53	53
	D	51	54	54	54	54
	C	54	57	57	57	57
	AVG	51	53	53	53	53
JUN	W	55	57	57	57	57
	AN	58	58	58	58	58
	BN	60	61	61	61	61
	D	62	64	64	64	64
	C	63	66	66	66	66
	AVG	59	61	61	61	61
JUL	W	63	66	66	66	66
	AN	63	66	65	65	66
	BN	65	67	67	67	67
	D	65	68	68	68	68
	C	68	71	71	71	71
	AVG	65	67	67	67	67

Alternative 4: Trinity River below North Fork						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
AUG	W	65	68	67	67	67
	AN	64	67	67	67	67
	BN	65	68	68	68	68
	D	64	67	67	67	67
	C	65	69	70	70	69
	AVG	65	68	68	68	68
SEP	W	59	62	62	62	62
	AN	59	61	61	61	61
	BN	59	62	63	63	63
	D	58	62	62	62	62
	C	61	64	64	64	63
	AVG	59	62	62	62	62
OCT	W	53	55	55	55	55
	AN	53	55	55	55	55
	BN	54	56	56	56	56
	D	53	54	54	55	54
	C	54	56	56	56	56
	AVG	53	55	55	55	55
NOV	W	44	45	45	45	45
	AN	44	46	46	46	46
	BN	44	46	46	46	46
	D	44	45	45	45	45
	C	45	47	47	47	47
	AVG	44	46	46	46	46
DEC	W	41	42	42	42	42
	AN	40	42	41	41	41
	BN	39	41	41	41	41
	D	40	41	41	41	41
	C	38	40	40	40	40
	AVG	40	41	41	41	41

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River below North Fork, Year-Round

Alternative 4: Trinity River below North Fork					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
JAN	W	1 (2.6%)	-0.1 (-0.2%)	0 (0.1%)	0 (0%)
	AN	1 (2.7%)	0 (0%)	0.2 (0.5%)	-0.1 (-0.1%)
	BN	1 (2.7%)	0 (0%)	0 (-0.1%)	0 (0%)
	D	1.6 (4.3%)	0 (0.1%)	-0.1 (-0.1%)	-0.2 (-0.4%)
	C	1.7 (4.5%)	0 (0%)	0 (0.1%)	0 (0%)
	AVG	1.3 (3.3%)	0 (-0.1%)	0 (0%)	0 (-0.1%)
FEB	W	1.1 (2.4%)	0 (0%)	0 (0.1%)	0 (0.1%)
	AN	1 (2.3%)	0 (0%)	0.1 (0.1%)	0 (-0.1%)
	BN	1.1 (2.7%)	0 (0%)	0 (0%)	0 (0%)
	D	1.1 (2.5%)	0 (0%)	0 (0%)	0 (0%)
	C	1.4 (3.3%)	0 (0.1%)	0 (0%)	0 (0%)
	AVG	1.1 (2.6%)	0 (0%)	0 (0%)	0 (0%)
MAR	W	0.7 (1.6%)	0 (0%)	0 (0%)	0 (0%)
	AN	0.6 (1.3%)	0 (0%)	0 (0%)	0 (0%)
	BN	0.7 (1.6%)	0 (0%)	0 (0%)	0 (0.1%)
	D	0.7 (1.5%)	0 (0%)	0 (0%)	0 (0%)
	C	1.1 (2.2%)	0 (0%)	0 (0%)	0 (0%)
	AVG	0.8 (1.6%)	0 (0%)	0 (0%)	0 (0%)
APR	W	0.9 (1.6%)	0 (0.1%)	-0.1 (-0.1%)	0 (0%)
	AN	1 (1.9%)	0.1 (0.2%)	0 (0%)	-0.1 (-0.1%)
	BN	1 (2%)	0 (0%)	0 (0%)	0 (0%)
	D	1.2 (2.2%)	0 (0%)	0 (0%)	0 (0%)
	C	1.4 (2.6%)	0 (0%)	0.1 (0.1%)	0 (0.1%)
	AVG	1.1 (2%)	0 (0.1%)	0 (0%)	0 (0%)
MAY	W	2.1 (4.2%)	0 (0%)	0 (0%)	0 (0%)
	AN	2.1 (4.1%)	0 (0%)	0 (0%)	0 (0%)
	BN	1.9 (3.7%)	0 (0%)	0 (0%)	0 (0.1%)
	D	2.2 (4.3%)	0 (0%)	0 (0.1%)	0 (0%)
	C	2.7 (5%)	0 (0%)	0 (0%)	0.1 (0.2%)
	AVG	2.2 (4.2%)	0 (0%)	0 (0%)	0 (0%)
JUN	W	1.8 (3.3%)	0 (-0.1%)	0 (0%)	0 (0.1%)
	AN	0.8 (1.3%)	0 (0%)	0 (0%)	0 (0%)
	BN	1.6 (2.7%)	-0.1 (-0.2%)	0.1 (0.1%)	0.1 (0.2%)
	D	2.3 (3.7%)	0.1 (0.1%)	0 (0%)	-0.1 (-0.1%)
	C	2.3 (3.6%)	-0.3 (-0.4%)	0.1 (0.1%)	0.4 (0.6%)
	AVG	1.8 (3.1%)	-0.1 (-0.1%)	0 (0%)	0.1 (0.1%)
JUL	W	3.1 (4.9%)	-0.3 (-0.5%)	0 (0%)	0 (0%)
	AN	1.7 (2.7%)	-0.5 (-0.7%)	0 (0%)	0.4 (0.6%)
	BN	2 (3.1%)	-0.3 (-0.4%)	-0.1 (-0.2%)	0.2 (0.2%)
	D	2.5 (3.9%)	0 (0%)	-0.1 (-0.1%)	0 (0.1%)
	C	3.7 (5.4%)	0.3 (0.5%)	0 (-0.1%)	-0.3 (-0.4%)
	AVG	2.7 (4.1%)	-0.2 (-0.2%)	0 (-0.1%)	0.1 (0.1%)

Alternative 4: Trinity River below North Fork					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
AUG	W	2.4 (3.7%)	-0.1 (-0.2%)	0 (0%)	0 (0%)
	AN	2.6 (4.1%)	0 (-0.1%)	0 (0%)	-0.1 (-0.2%)
	BN	2.9 (4.4%)	0 (0.1%)	0 (0%)	-0.1 (-0.1%)
	D	3.5 (5.5%)	0.2 (0.4%)	-0.1 (-0.2%)	-0.2 (-0.3%)
	C	4.4 (6.8%)	0.5 (0.8%)	-0.1 (-0.1%)	-0.7 (-1%)
	AVG	3.1 (4.7%)	0.1 (0.1%)	0 (-0.1%)	-0.2 (-0.2%)
SEP	W	2.6 (4.4%)	0 (0.1%)	0.2 (0.3%)	0 (0%)
	AN	2.6 (4.4%)	0.1 (0.1%)	0 (0%)	-0.1 (-0.2%)
	BN	3.1 (5.2%)	0.1 (0.1%)	0 (0%)	0 (-0.1%)
	D	3.9 (6.6%)	0.2 (0.2%)	-0.2 (-0.3%)	-0.3 (-0.4%)
	C	3.1 (5.1%)	0.1 (0.1%)	0.3 (0.5%)	-0.2 (-0.4%)
	AVG	3 (5.1%)	0.1 (0.1%)	0.1 (0.1%)	-0.1 (-0.2%)
OCT	W	1.9 (3.6%)	-0.1 (-0.1%)	0.1 (0.1%)	0 (0%)
	AN	1.8 (3.4%)	-0.1 (-0.1%)	0 (0%)	0 (-0.1%)
	BN	2 (3.7%)	0 (0.1%)	0 (0%)	-0.1 (-0.1%)
	D	1.9 (3.7%)	0.2 (0.3%)	-0.1 (-0.2%)	-0.2 (-0.3%)
	C	2.5 (4.7%)	0 (-0.1%)	-0.1 (-0.2%)	0 (0%)
	AVG	2 (3.8%)	0 (0%)	0 (0%)	-0.1 (-0.1%)
NOV	W	1.6 (3.7%)	0 (-0.1%)	0 (0.1%)	0 (0%)
	AN	1.6 (3.5%)	0 (0.1%)	0 (0%)	0 (0%)
	BN	1.9 (4.4%)	0.1 (0.2%)	-0.1 (-0.2%)	-0.1 (-0.2%)
	D	1.7 (4%)	0 (0.1%)	-0.1 (-0.1%)	0 (0%)
	C	1.7 (3.7%)	0 (-0.1%)	0 (0.1%)	0.1 (0.1%)
	AVG	1.7 (3.8%)	0 (0%)	0 (0%)	0 (0%)
DEC	W	1 (2.4%)	0.1 (0.1%)	0.1 (0.3%)	0 (0.1%)
	AN	1.5 (3.7%)	-0.1 (-0.1%)	0 (-0.1%)	0 (0%)
	BN	1.7 (4.3%)	0 (0%)	-0.1 (-0.1%)	0 (0%)
	D	1.5 (3.7%)	0 (0.1%)	0 (-0.1%)	0 (-0.1%)
	C	1.9 (4.9%)	0 (-0.1%)	0.1 (0.2%)	0.1 (0.2%)
	AVG	1.4 (3.5%)	0 (0%)	0 (0.1%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.4.9 Feather River at Fish Barrier Dam

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4 Model Scenarios in the Feather River at Fish Barrier Dam, Year-Round

Alternative 4: Feather River at Fish Barrier Dam						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
JAN	W	48	51	51	51	51
	AN	47	50	51	50	50
	BN	48	51	51	51	51
	D	47	51	51	51	51
	C	48	51	51	51	51
	AVG	48	51	51	51	51
FEB	W	48	51	51	51	51
	AN	48	51	51	51	51
	BN	48	51	51	52	51
	D	49	52	52	52	52
	C	49	53	53	53	53
	AVG	48	51	51	51	51
MAR	W	49	51	51	51	51
	AN	49	51	51	51	51
	BN	50	53	53	53	53
	D	51	53	53	53	54
	C	51	54	54	54	54
	AVG	50	52	53	53	53
APR	W	51	52	53	52	52
	AN	51	53	53	53	53
	BN	52	54	54	54	53
	D	52	54	54	54	54
	C	52	54	54	54	54
	AVG	51	53	53	53	53
MAY	W	55	56	55	55	55
	AN	56	56	56	56	55
	BN	56	56	56	56	56
	D	56	56	56	56	56
	C	56	57	57	57	57
	AVG	55	56	56	56	56
JUN	W	57	58	58	57	58
	AN	58	58	58	58	58
	BN	58	58	58	58	58
	D	58	58	58	58	58
	C	58	59	59	59	59
	AVG	58	58	58	58	58
JUL	W	61	61	62	61	62
	AN	61	61	61	61	62
	BN	61	61	61	61	62
	D	61	61	62	62	62
	C	61	62	63	63	63
	AVG	61	61	62	62	62

Alternative 4: Feather River at Fish Barrier Dam						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
AUG	W	61	61	61	61	62
	AN	60	60	61	61	62
	BN	60	60	61	61	62
	D	60	62	61	61	61
	C	62	64	63	63	62
	AVG	61	61	61	61	62
SEP	W	56	55	57	56	57
	AN	56	55	57	56	58
	BN	56	57	58	58	61
	D	56	61	58	59	58
	C	58	63	62	63	59
	AVG	56	58	58	58	58
OCT	W	54	58	56	57	58
	AN	55	58	57	58	60
	BN	54	58	57	58	59
	D	54	59	57	60	59
	C	54	58	57	58	55
	AVG	54	58	57	58	58
NOV	W	52	58	56	58	57
	AN	53	58	56	57	59
	BN	53	58	57	58	57
	D	52	59	57	59	58
	C	53	58	58	58	56
	AVG	53	58	57	58	57
DEC	W	49	53	53	53	53
	AN	49	55	54	54	54
	BN	49	54	54	54	54
	D	49	54	53	54	54
	C	49	54	54	54	54
	AVG	49	54	53	54	54

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Fish Barrier Dam, Year-Round

Alternative 4: Feather River at Fish Barrier Dam					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
JAN	W	2.8 (5.9%)	0 (0.1%)	0.2 (0.3%)	0.1 (0.1%)
	AN	3.1 (6.5%)	0 (0.1%)	0.2 (0.3%)	-0.1 (-0.1%)
	BN	3 (6.4%)	0 (0%)	-0.1 (-0.2%)	-0.1 (-0.1%)
	D	3.5 (7.4%)	0.1 (0.2%)	0.2 (0.3%)	0 (0%)
	C	3.8 (8.1%)	0 (0.1%)	0 (0%)	0.1 (0.2%)
	AVG	3.2 (6.7%)	0 (0.1%)	0.1 (0.2%)	0 (0%)
FEB	W	2.6 (5.3%)	0 (-0.1%)	0.3 (0.5%)	0.1 (0.2%)
	AN	2.6 (5.4%)	0.1 (0.1%)	0.1 (0.3%)	-0.1 (-0.2%)
	BN	3.2 (6.5%)	0.2 (0.3%)	-0.2 (-0.3%)	-0.1 (-0.2%)
	D	3 (6.2%)	0.1 (0.2%)	0.1 (0.3%)	0 (0%)
	C	3.5 (7.1%)	0 (0%)	0 (0%)	0.3 (0.5%)
	AVG	2.9 (6%)	0 (0.1%)	0.1 (0.2%)	0 (0.1%)
MAR	W	2.6 (5.3%)	0.1 (0.2%)	0.2 (0.4%)	0 (0.1%)
	AN	2.3 (4.7%)	0.1 (0.1%)	0 (0%)	0 (0.1%)
	BN	3.6 (7.2%)	0.3 (0.6%)	-0.2 (-0.3%)	-0.2 (-0.4%)
	D	2.5 (4.9%)	0.2 (0.3%)	0 (0.1%)	0.1 (0.1%)
	C	3 (6%)	-0.1 (-0.1%)	-0.1 (-0.2%)	0.2 (0.3%)
	AVG	2.8 (5.6%)	0.1 (0.2%)	0 (0%)	0 (0%)
APR	W	1.9 (3.7%)	0 (0.1%)	0.1 (0.3%)	-0.2 (-0.4%)
	AN	1.8 (3.4%)	0 (0.1%)	0.1 (0.1%)	-0.7 (-1.3%)
	BN	1.8 (3.4%)	0.1 (0.1%)	0 (0%)	-0.6 (-1%)
	D	1.7 (3.3%)	-0.2 (-0.4%)	0.1 (0.1%)	0.1 (0.2%)
	C	2.5 (4.8%)	-0.1 (-0.1%)	0.1 (0.2%)	0.4 (0.8%)
	AVG	1.9 (3.7%)	0 (-0.1%)	0.1 (0.2%)	-0.2 (-0.3%)
MAY	W	0.6 (1.1%)	-0.1 (-0.2%)	0 (0%)	-0.4 (-0.6%)
	AN	0.2 (0.4%)	-0.3 (-0.5%)	0 (0%)	-0.5 (-1%)
	BN	0 (0%)	-0.3 (-0.6%)	0.1 (0.1%)	0 (-0.1%)
	D	0.2 (0.4%)	0 (-0.1%)	0 (0%)	0 (-0.1%)
	C	0.7 (1.3%)	-0.1 (-0.2%)	0.2 (0.3%)	0.2 (0.3%)
	AVG	0.4 (0.7%)	-0.2 (-0.3%)	0.1 (0.1%)	-0.2 (-0.3%)
JUN	W	0.1 (0.2%)	-0.3 (-0.6%)	0.1 (0.1%)	0.6 (1%)
	AN	-0.2 (-0.3%)	-0.5 (-0.9%)	0 (0%)	0.7 (1.2%)
	BN	-0.3 (-0.5%)	-0.6 (-1%)	0 (-0.1%)	0.2 (0.4%)
	D	0.4 (0.8%)	-0.1 (-0.1%)	0 (0%)	0.1 (0.1%)
	C	1.1 (1.9%)	-0.1 (-0.2%)	0 (0%)	-0.4 (-0.6%)
	AVG	0.2 (0.4%)	-0.3 (-0.5%)	0 (0%)	0.3 (0.5%)
JUL	W	0.2 (0.4%)	0.1 (0.2%)	0 (0.1%)	0.3 (0.4%)
	AN	0.3 (0.5%)	0 (0%)	0 (0%)	0.5 (0.9%)
	BN	0.6 (1%)	0.1 (0.2%)	0 (0%)	0.3 (0.5%)
	D	1.1 (1.8%)	0.6 (0.9%)	-0.1 (-0.2%)	0.3 (0.4%)
	C	2.4 (4%)	1 (1.6%)	-0.1 (-0.2%)	-0.4 (-0.6%)
	AVG	0.8 (1.4%)	0.3 (0.6%)	0 (0%)	0.2 (0.3%)

Alternative 4: Feather River at Fish Barrier Dam					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
AUG	W	0.1 (0.2%)	0.4 (0.7%)	0 (0%)	0.8 (1.4%)
	AN	0.6 (0.9%)	0.4 (0.6%)	0 (0.1%)	1.1 (1.9%)
	BN	1 (1.6%)	0.4 (0.7%)	-0.2 (-0.4%)	1.5 (2.5%)
	D	1.5 (2.6%)	-0.3 (-0.5%)	-0.3 (-0.6%)	0.1 (0.1%)
	C	1.5 (2.4%)	-0.9 (-1.4%)	0.2 (0.3%)	-1.1 (-1.8%)
	AVG	0.9 (1.4%)	0.1 (0.1%)	-0.1 (-0.1%)	0.5 (0.9%)
SEP	W	-0.2 (-0.4%)	0.4 (0.7%)	1.6 (2.8%)	1.4 (2.5%)
	AN	-0.1 (-0.2%)	0.4 (0.7%)	1.3 (2.3%)	2.4 (4.4%)
	BN	2.2 (3.9%)	0.7 (1.2%)	-0.1 (-0.2%)	3 (5.2%)
	D	3.4 (6.1%)	-1.5 (-2.5%)	-1.1 (-1.9%)	-1.3 (-2.2%)
	C	4.6 (8%)	-0.8 (-1.2%)	-1.1 (-1.7%)	-3.2 (-5.2%)
	AVG	1.8 (3.1%)	-0.2 (-0.3%)	0.3 (0.4%)	0.5 (0.9%)
OCT	W	3.9 (7.2%)	-0.7 (-1.2%)	-1.7 (-2.9%)	0.9 (1.6%)
	AN	2.9 (5.3%)	-0.5 (-0.8%)	-0.6 (-1.1%)	2.5 (4.4%)
	BN	3.9 (7.3%)	-0.4 (-0.6%)	-0.9 (-1.5%)	1.1 (1.9%)
	D	5.9 (11%)	0.2 (0.3%)	-2.3 (-3.9%)	-0.5 (-0.8%)
	C	3.9 (7.2%)	0.1 (0.2%)	-1 (-1.8%)	-2.9 (-5%)
	AVG	4.2 (7.8%)	-0.3 (-0.5%)	-1.4 (-2.5%)	0.3 (0.5%)
NOV	W	5.7 (10.9%)	-0.2 (-0.3%)	-2 (-3.5%)	-0.7 (-1.1%)
	AN	4.3 (8.1%)	-0.6 (-1.1%)	-1 (-1.7%)	1.1 (1.9%)
	BN	5.3 (10.1%)	-0.1 (-0.2%)	-1.6 (-2.8%)	-0.7 (-1.2%)
	D	6.1 (11.5%)	-0.2 (-0.4%)	-1.2 (-2.1%)	-0.7 (-1.1%)
	C	5.5 (10.5%)	0.3 (0.5%)	-0.6 (-1%)	-2.5 (-4.3%)
	AVG	5.5 (10.5%)	-0.2 (-0.3%)	-1.4 (-2.4%)	-0.7 (-1.2%)
DEC	W	4.3 (8.9%)	-0.1 (-0.2%)	-0.2 (-0.5%)	0.2 (0.4%)
	AN	5.3 (10.8%)	-0.3 (-0.6%)	-0.6 (-1.2%)	-0.2 (-0.4%)
	BN	5.4 (11.2%)	-0.1 (-0.2%)	-0.4 (-0.7%)	-0.3 (-0.5%)
	D	5.1 (10.4%)	0 (0%)	-0.6 (-1.1%)	0.1 (0.2%)
	C	4.9 (10%)	0.2 (0.3%)	0.1 (0.2%)	-0.5 (-0.8%)
	AVG	4.9 (10%)	-0.1 (-0.2%)	-0.3 (-0.6%)	0 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.4.10 Feather River Low-Flow Channel (above Thermalito Afterbay)

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4 Model Scenarios in the Feather River Low-Flow Channel (above Thermalito Afterbay), Year-Round

Alternative 4: Feather River Low-Flow Channel (above Thermalito Afterbay)						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
JAN	W	47	50	50	50	50
	AN	47	50	50	50	50
	BN	47	50	50	50	50
	D	47	50	50	50	50
	C	47	51	51	51	51
	AVG	47	50	50	50	50
FEB	W	49	51	52	51	51
	AN	49	51	52	51	51
	BN	49	52	52	52	52
	D	49	52	52	52	52
	C	50	53	53	53	53
	AVG	49	52	52	52	52
MAR	W	50	53	53	53	53
	AN	51	53	53	53	53
	BN	51	54	54	55	54
	D	52	55	55	55	55
	C	53	56	55	56	56
	AVG	51	54	54	54	54
APR	W	53	55	56	55	55
	AN	55	57	57	57	56
	BN	55	57	57	57	57
	D	55	57	57	57	57
	C	55	57	57	57	58
	AVG	55	57	57	57	56
MAY	W	59	61	61	61	61
	AN	60	62	62	62	61
	BN	60	61	61	61	61
	D	60	61	61	61	61
	C	60	62	62	62	62
	AVG	60	61	61	61	61
JUN	W	63	65	64	64	65
	AN	64	66	65	65	66
	BN	64	65	65	65	65
	D	64	66	66	66	66
	C	63	65	65	65	65
	AVG	64	65	65	65	65

Alternative 4: Feather River Low-Flow Channel (above Thermalito Afterbay)						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
JUL	W	68	69	69	69	69
	AN	67	69	69	69	69
	BN	67	69	69	69	69
	D	67	69	69	69	69
	C	67	70	70	71	70
	AVG	67	69	69	69	69
AUG	W	66	68	68	68	69
	AN	65	67	67	67	68
	BN	66	68	68	68	69
	D	65	68	68	68	68
	C	67	70	69	69	68
	AVG	66	68	68	68	68
SEP	W	60	61	62	61	62
	AN	60	61	62	61	63
	BN	60	62	63	63	65
	D	60	65	63	64	63
	C	61	66	65	66	64
	AVG	60	63	63	63	63
OCT	W	55	60	58	59	60
	AN	57	60	59	60	62
	BN	56	60	59	60	61
	D	56	61	59	61	61
	C	56	60	59	60	58
	AVG	56	60	59	60	60
NOV	W	52	58	56	58	57
	AN	53	58	57	57	58
	BN	53	58	56	58	57
	D	53	58	57	58	58
	C	53	58	58	58	56
	AVG	53	58	57	58	57
DEC	W	48	53	52	52	53
	AN	49	54	53	53	53
	BN	48	53	53	53	53
	D	48	53	52	53	53
	C	48	53	53	53	52
	AVG	48	53	53	53	53

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River Low-Flow Channel (above Thermalito Afterbay), Year-Round

Alternative 4: Feather River Low-Flow Channel (above Thermalito Afterbay)					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
JAN	W	2.8 (6%)	0 (0.1%)	0.1 (0.3%)	0 (0.1%)
	AN	3.1 (6.6%)	0 (0%)	0.1 (0.3%)	0 (-0.1%)
	BN	3 (6.3%)	0 (0%)	-0.1 (-0.2%)	0 (-0.1%)
	D	3.4 (7.2%)	0.1 (0.2%)	0.1 (0.3%)	0 (0%)
	C	3.7 (7.8%)	0 (0.1%)	0 (0%)	0.1 (0.1%)
	AVG	3.1 (6.7%)	0 (0.1%)	0.1 (0.1%)	0 (0%)
FEB	W	2.6 (5.4%)	0 (-0.1%)	0.2 (0.4%)	0.1 (0.1%)
	AN	2.6 (5.4%)	0 (0.1%)	0.1 (0.3%)	-0.1 (-0.1%)
	BN	3.1 (6.3%)	0.1 (0.2%)	-0.2 (-0.3%)	-0.1 (-0.2%)
	D	3 (6%)	0.1 (0.1%)	0.1 (0.2%)	0 (-0.1%)
	C	3.4 (6.7%)	0 (0%)	0 (0.1%)	0.3 (0.5%)
	AVG	2.9 (5.9%)	0 (0.1%)	0.1 (0.2%)	0 (0.1%)
MAR	W	2.5 (5%)	0.1 (0.1%)	0.2 (0.3%)	0 (0%)
	AN	2.3 (4.5%)	0 (0%)	0 (0.1%)	0.1 (0.1%)
	BN	3.3 (6.4%)	0.3 (0.5%)	-0.2 (-0.3%)	-0.2 (-0.4%)
	D	2.5 (4.8%)	0.1 (0.2%)	0 (0.1%)	0 (0.1%)
	C	2.9 (5.6%)	0 (-0.1%)	-0.1 (-0.1%)	0.1 (0.2%)
	AVG	2.7 (5.2%)	0.1 (0.2%)	0 (0.1%)	0 (0%)
APR	W	1.9 (3.6%)	0 (0%)	0.1 (0.2%)	-0.2 (-0.3%)
	AN	2 (3.6%)	0.1 (0.1%)	0 (0%)	-0.5 (-0.9%)
	BN	1.9 (3.5%)	0.1 (0.1%)	0 (0%)	-0.4 (-0.7%)
	D	2 (3.6%)	-0.2 (-0.3%)	0 (0.1%)	0.1 (0.1%)
	C	2.5 (4.6%)	0 (-0.1%)	0 (0.1%)	0.3 (0.5%)
	AVG	2 (3.7%)	0 (0%)	0.1 (0.1%)	-0.1 (-0.2%)
MAY	W	1.4 (2.3%)	-0.1 (-0.1%)	0 (0%)	-0.2 (-0.4%)
	AN	1.2 (1.9%)	-0.2 (-0.3%)	0 (0%)	-0.4 (-0.6%)
	BN	1 (1.6%)	-0.2 (-0.3%)	0.1 (0.1%)	0 (-0.1%)
	D	1.1 (1.9%)	0 (0%)	0 (0%)	0 (0%)
	C	1.5 (2.4%)	-0.1 (-0.2%)	0.1 (0.2%)	0.1 (0.2%)
	AVG	1.2 (2%)	-0.1 (-0.2%)	0 (0.1%)	-0.1 (-0.2%)
JUN	W	1.4 (2.2%)	-0.2 (-0.3%)	0 (0.1%)	0.4 (0.6%)
	AN	1.4 (2.2%)	-0.3 (-0.5%)	0 (0%)	0.4 (0.6%)
	BN	1.3 (2%)	-0.3 (-0.5%)	0 (0%)	0.1 (0.2%)
	D	1.8 (2.8%)	0 (-0.1%)	0 (0%)	0.1 (0.1%)
	C	2.1 (3.3%)	-0.1 (-0.1%)	0 (0%)	-0.2 (-0.3%)
	AVG	1.6 (2.5%)	-0.2 (-0.3%)	0 (0%)	0.2 (0.3%)
JUL	W	1.7 (2.5%)	0.1 (0.1%)	0 (0%)	0.2 (0.2%)
	AN	1.8 (2.7%)	0 (0.1%)	0 (0%)	0.3 (0.5%)
	BN	1.9 (2.8%)	0.1 (0.2%)	0 (0%)	0.2 (0.3%)
	D	2.3 (3.4%)	0.3 (0.5%)	-0.1 (-0.1%)	0.2 (0.2%)
	C	3.3 (4.8%)	0.6 (0.9%)	-0.1 (-0.1%)	-0.2 (-0.3%)
	AVG	2.1 (3.1%)	0.2 (0.3%)	0 (0%)	0.1 (0.2%)

Alternative 4: Feather River Low-Flow Channel (above Thermalito Afterbay)					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
AUG	W	1.7 (2.6%)	0.2 (0.4%)	0 (0%)	0.5 (0.8%)
	AN	1.9 (3%)	0.2 (0.4%)	0 (0%)	0.7 (1.1%)
	BN	2.3 (3.5%)	0.3 (0.4%)	-0.1 (-0.2%)	1 (1.5%)
	D	2.6 (4%)	-0.2 (-0.3%)	-0.2 (-0.3%)	0.1 (0.1%)
	C	2.6 (3.9%)	-0.6 (-0.8%)	0.1 (0.1%)	-0.8 (-1.1%)
	AVG	2.2 (3.3%)	0 (0%)	-0.1 (-0.1%)	0.3 (0.5%)
SEP	W	1.1 (1.8%)	0.3 (0.5%)	1.1 (1.9%)	1 (1.7%)
	AN	1.1 (1.8%)	0.3 (0.4%)	0.9 (1.5%)	1.7 (2.8%)
	BN	2.8 (4.6%)	0.5 (0.8%)	-0.1 (-0.1%)	2.2 (3.5%)
	D	3.7 (6.2%)	-1.1 (-1.7%)	-0.8 (-1.3%)	-1 (-1.5%)
	C	4.5 (7.4%)	-0.5 (-0.8%)	-0.8 (-1.2%)	-2.4 (-3.6%)
	AVG	2.5 (4.1%)	-0.1 (-0.2%)	0.2 (0.3%)	0.4 (0.6%)
OCT	W	3.8 (6.8%)	-0.6 (-0.9%)	-1.3 (-2.2%)	0.7 (1.2%)
	AN	3 (5.4%)	-0.3 (-0.6%)	-0.5 (-0.9%)	2 (3.4%)
	BN	3.9 (7%)	-0.3 (-0.4%)	-0.7 (-1.1%)	0.9 (1.4%)
	D	5.4 (9.7%)	0.2 (0.3%)	-1.8 (-3%)	-0.4 (-0.6%)
	C	3.9 (6.9%)	0.1 (0.2%)	-0.8 (-1.4%)	-2.3 (-3.9%)
	AVG	4.1 (7.3%)	-0.2 (-0.4%)	-1.1 (-1.9%)	0.2 (0.4%)
NOV	W	5.3 (10.1%)	-0.1 (-0.2%)	-1.7 (-2.9%)	-0.6 (-1%)
	AN	4.1 (7.7%)	-0.5 (-0.9%)	-0.8 (-1.4%)	0.9 (1.6%)
	BN	4.9 (9.3%)	-0.1 (-0.2%)	-1.3 (-2.3%)	-0.6 (-1%)
	D	5.5 (10.6%)	-0.2 (-0.4%)	-1 (-1.7%)	-0.6 (-0.9%)
	C	5.1 (9.7%)	0.3 (0.5%)	-0.5 (-0.8%)	-2.1 (-3.6%)
	AVG	5.1 (9.7%)	-0.1 (-0.2%)	-1.2 (-2%)	-0.6 (-1%)
DEC	W	4.1 (8.6%)	-0.1 (-0.2%)	-0.2 (-0.4%)	0.2 (0.4%)
	AN	4.9 (10%)	-0.3 (-0.5%)	-0.5 (-1%)	-0.2 (-0.3%)
	BN	5 (10.3%)	-0.1 (-0.2%)	-0.3 (-0.6%)	-0.2 (-0.4%)
	D	4.7 (9.8%)	0 (0%)	-0.5 (-0.9%)	0.1 (0.2%)
	C	4.6 (9.5%)	0.1 (0.3%)	0.1 (0.2%)	-0.4 (-0.7%)
	AVG	4.6 (9.5%)	-0.1 (-0.1%)	-0.3 (-0.5%)	0 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.4.11 Feather River High-Flow Channel (below Thermalito Afterbay)

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4 Model Scenarios in the Feather River High-Flow Channel (below Thermalito Afterbay), Year-Round

Alternative 4: Feather River High-Flow Channel (below Thermalito Afterbay)						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
JAN	W	47	50	50	50	50
	AN	47	50	50	49	49
	BN	46	49	49	49	49
	D	46	49	49	49	49
	C	46	50	50	50	50
	AVG	47	49	50	49	49
FEB	W	49	52	52	51	52
	AN	49	52	52	52	52
	BN	49	52	52	52	52
	D	50	53	53	53	53
	C	51	54	54	54	54
	AVG	50	52	52	52	52
MAR	W	51	54	54	54	54
	AN	52	54	54	54	54
	BN	53	56	56	56	56
	D	54	57	57	57	57
	C	54	57	57	57	57
	AVG	53	55	55	55	55
APR	W	55	57	57	57	56
	AN	57	59	60	59	58
	BN	58	59	59	59	58
	D	57	60	60	60	60
	C	57	60	60	60	60
	AVG	57	59	59	59	58
MAY	W	61	63	63	63	62
	AN	63	64	64	64	63
	BN	63	65	65	64	64
	D	63	65	65	65	65
	C	63	66	65	65	66
	AVG	62	64	64	64	64
JUN	W	66	68	67	67	68
	AN	67	70	68	68	70
	BN	67	70	67	67	68
	D	68	71	70	70	71
	C	68	71	71	70	71
	AVG	67	70	68	68	69

Alternative 4: Feather River High-Flow Channel (below Thermalito Afterbay)						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
JUL	W	70	70	71	71	72
	AN	68	69	70	69	72
	BN	68	70	71	71	72
	D	68	70	72	73	73
	C	70	74	76	76	75
	AVG	69	71	72	72	73
AUG	W	70	70	72	72	72
	AN	67	69	70	70	71
	BN	68	70	71	72	73
	D	67	71	72	72	72
	C	70	74	74	74	74
	AVG	69	71	72	72	73
SEP	W	64	63	66	64	65
	AN	64	64	65	65	66
	BN	65	68	67	67	68
	D	64	67	66	66	66
	C	64	69	69	69	69
	AVG	64	66	66	66	67
OCT	W	58	62	61	62	63
	AN	60	63	62	63	64
	BN	59	63	63	63	63
	D	58	63	62	63	63
	C	59	63	62	63	62
	AVG	59	63	62	63	63
NOV	W	53	57	56	57	57
	AN	54	58	57	58	58
	BN	53	57	57	57	57
	D	53	57	57	57	57
	C	53	57	57	58	57
	AVG	53	57	57	57	57
DEC	W	48	51	51	51	51
	AN	48	52	52	52	52
	BN	47	51	51	51	51
	D	47	51	50	51	51
	C	47	50	51	51	50
	AVG	47	51	51	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River High-Flow Channel (below Thermalito Afterbay), Year-Round

Alternative 4: Feather River High-Flow Channel (below Thermalito Afterbay)					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
JAN	W	2.7 (5.7%)	0 (0%)	0.2 (0.4%)	0.1 (0.1%)
	AN	2.9 (6.2%)	0 (-0.1%)	0.1 (0.3%)	-0.1 (-0.1%)
	BN	2.8 (6%)	0.1 (0.1%)	0 (-0.1%)	0 (0%)
	D	3 (6.6%)	0.1 (0.3%)	0.1 (0.2%)	0 (-0.1%)
	C	3.4 (7.2%)	0.1 (0.2%)	0 (0%)	-0.1 (-0.1%)
	AVG	2.9 (6.3%)	0.1 (0.1%)	0.1 (0.2%)	0 (0%)
FEB	W	2.5 (5.1%)	-0.2 (-0.3%)	0.2 (0.4%)	0.2 (0.3%)
	AN	2.9 (5.9%)	-0.2 (-0.3%)	0 (0.1%)	-0.1 (-0.2%)
	BN	3 (6.1%)	0.1 (0.1%)	-0.1 (-0.2%)	-0.2 (-0.3%)
	D	2.8 (5.6%)	0 (0.1%)	0.1 (0.2%)	0 (-0.1%)
	C	3.1 (6.1%)	0 (0%)	0 (0%)	0.2 (0.3%)
	AVG	2.8 (5.7%)	-0.1 (-0.1%)	0.1 (0.1%)	0 (0%)
MAR	W	2.4 (4.8%)	0.1 (0.3%)	0.1 (0.1%)	-0.1 (-0.1%)
	AN	1.6 (3.1%)	-0.1 (-0.1%)	-0.2 (-0.5%)	0 (0%)
	BN	3.3 (6.1%)	0.2 (0.4%)	-0.2 (-0.3%)	-0.2 (-0.4%)
	D	2.6 (4.7%)	0.1 (0.1%)	0.1 (0.1%)	0.1 (0.2%)
	C	3.1 (5.8%)	0.1 (0.2%)	-0.1 (-0.2%)	0 (0%)
	AVG	2.6 (4.9%)	0.1 (0.2%)	0 (-0.1%)	0 (-0.1%)
APR	W	2 (3.7%)	0 (0%)	0.1 (0.1%)	-1 (-1.7%)
	AN	2.3 (4.1%)	0.1 (0.1%)	0.1 (0.2%)	-1.5 (-2.4%)
	BN	1.6 (2.7%)	-0.2 (-0.3%)	0.1 (0.2%)	-1.2 (-2%)
	D	2.6 (4.5%)	0.2 (0.3%)	0.1 (0.1%)	0 (0.1%)
	C	2.8 (4.9%)	0.3 (0.5%)	0.1 (0.2%)	0.1 (0.2%)
	AVG	2.2 (3.9%)	0.1 (0.1%)	0.1 (0.2%)	-0.7 (-1.2%)
MAY	W	2.5 (4.2%)	-0.2 (-0.3%)	0 (0.1%)	-0.7 (-1.1%)
	AN	1.5 (2.3%)	-0.2 (-0.2%)	0 (0%)	-1 (-1.6%)
	BN	1.8 (2.9%)	-0.3 (-0.5%)	0.1 (0.2%)	-0.5 (-0.8%)
	D	2.1 (3.4%)	-0.2 (-0.3%)	0 (-0.1%)	-0.2 (-0.2%)
	C	2.1 (3.4%)	-0.1 (-0.2%)	0.1 (0.1%)	0.1 (0.2%)
	AVG	2.1 (3.4%)	-0.2 (-0.3%)	0 (0.1%)	-0.5 (-0.7%)
JUN	W	1.1 (1.6%)	-1.6 (-2.4%)	0.3 (0.4%)	1.4 (2.1%)
	AN	0.2 (0.2%)	-2.4 (-3.4%)	0 (0.1%)	2.1 (3.1%)
	BN	0 (0.1%)	-2.3 (-3.3%)	0 (0%)	0.8 (1.2%)
	D	2.4 (3.5%)	-0.5 (-0.7%)	-0.1 (-0.1%)	0.2 (0.2%)
	C	2.8 (4.2%)	-0.2 (-0.2%)	0 (0.1%)	0.1 (0.2%)
	AVG	1.3 (2%)	-1.4 (-2%)	0.1 (0.1%)	0.9 (1.4%)
JUL	W	1.1 (1.5%)	0.6 (0.9%)	0.2 (0.2%)	1.2 (1.8%)
	AN	1.5 (2.2%)	0.1 (0.1%)	0.1 (0.2%)	2.3 (3.3%)
	BN	2.8 (4.2%)	0.8 (1.2%)	0.1 (0.2%)	0.8 (1.1%)
	D	4.6 (6.8%)	2.3 (3.3%)	-0.3 (-0.5%)	0.3 (0.5%)
	C	6.7 (9.6%)	2.4 (3.3%)	-0.4 (-0.5%)	-0.9 (-1.2%)
	AVG	3 (4.4%)	1.2 (1.7%)	0 (-0.1%)	0.8 (1.1%)

Alternative 4: Feather River High-Flow Channel (below Thermalito Afterbay)					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
AUG	W	1.8 (2.5%)	1.1 (1.6%)	0 (0%)	1 (1.3%)
	AN	3.1 (4.7%)	1.4 (2%)	0 (0.1%)	1 (1.5%)
	BN	3.4 (5.1%)	1.3 (1.8%)	-0.3 (-0.3%)	1.1 (1.5%)
	D	5.1 (7.6%)	1.2 (1.7%)	-0.3 (-0.4%)	-0.1 (-0.2%)
	C	4 (5.8%)	-0.1 (-0.1%)	-0.2 (-0.2%)	0.4 (0.6%)
	AVG	3.3 (4.8%)	1 (1.4%)	-0.1 (-0.2%)	0.7 (0.9%)
SEP	W	0.3 (0.5%)	1.1 (1.7%)	1.7 (2.6%)	1.2 (1.9%)
	AN	1.3 (2.1%)	1.8 (2.8%)	-0.2 (-0.3%)	1.1 (1.7%)
	BN	2 (3%)	-0.9 (-1.4%)	-0.1 (-0.1%)	0.9 (1.4%)
	D	2.4 (3.7%)	-0.1 (-0.2%)	0 (0.1%)	0 (0%)
	C	4.8 (7.4%)	-0.2 (-0.2%)	-0.2 (-0.3%)	-0.3 (-0.4%)
	AVG	1.9 (2.9%)	0.4 (0.6%)	0.5 (0.7%)	0.7 (1%)
OCT	W	3.7 (6.4%)	-0.2 (-0.4%)	-0.8 (-1.2%)	0.4 (0.7%)
	AN	3.1 (5.3%)	-0.3 (-0.4%)	-0.3 (-0.6%)	1.1 (1.8%)
	BN	3.5 (5.9%)	-0.1 (-0.2%)	-0.2 (-0.4%)	0.6 (1%)
	D	4.4 (7.6%)	0.2 (0.3%)	-0.8 (-1.3%)	-0.3 (-0.4%)
	C	4 (6.8%)	0.2 (0.3%)	-0.3 (-0.5%)	-1.1 (-1.7%)
	AVG	3.8 (6.5%)	-0.1 (-0.1%)	-0.6 (-0.9%)	0.2 (0.3%)
NOV	W	4.2 (8%)	-0.1 (-0.1%)	-0.8 (-1.5%)	-0.3 (-0.5%)
	AN	3.8 (7.1%)	-0.2 (-0.4%)	-0.4 (-0.7%)	0.4 (0.7%)
	BN	4 (7.6%)	-0.1 (-0.2%)	-0.5 (-0.9%)	-0.2 (-0.3%)
	D	4.5 (8.5%)	-0.2 (-0.3%)	-0.6 (-1%)	-0.3 (-0.6%)
	C	4.2 (7.9%)	0.2 (0.3%)	-0.2 (-0.4%)	-1.1 (-1.8%)
	AVG	4.2 (7.9%)	-0.1 (-0.1%)	-0.6 (-1%)	-0.3 (-0.5%)
DEC	W	3.4 (7.2%)	0 (-0.1%)	0 (0%)	0.2 (0.4%)
	AN	4.2 (8.9%)	-0.3 (-0.5%)	-0.3 (-0.5%)	-0.3 (-0.5%)
	BN	4.1 (8.7%)	-0.1 (-0.2%)	0.1 (0.2%)	-0.3 (-0.6%)
	D	3.8 (8.2%)	-0.2 (-0.5%)	-0.3 (-0.5%)	0.2 (0.4%)
	C	4 (8.6%)	0.2 (0.3%)	0.1 (0.3%)	-0.3 (-0.7%)
	AVG	3.8 (8.1%)	-0.1 (-0.2%)	0 (-0.1%)	0 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.4.12 Feather River at Gridley Dam

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4 Model Scenarios in the Feather River at Gridley Dam, Year-Round

Alternative 4: Feather River at Gridley Dam						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
JAN	W	47	50	50	50	50
	AN	47	49	50	49	49
	BN	46	49	49	49	49
	D	46	48	49	49	48
	C	46	49	49	49	49
	AVG	46	49	49	49	49
FEB	W	49	52	52	52	52
	AN	49	52	52	52	52
	BN	50	53	52	53	52
	D	50	53	53	53	53
	C	51	54	54	54	54
	AVG	50	53	53	52	53
MAR	W	51	54	54	54	54
	AN	53	54	54	54	54
	BN	54	57	57	57	57
	D	55	57	57	57	57
	C	54	57	57	57	57
	AVG	53	56	56	56	56
APR	W	56	58	58	58	57
	AN	58	60	60	60	59
	BN	59	61	60	60	59
	D	59	61	61	61	61
	C	58	61	61	61	61
	AVG	58	60	60	60	59
MAY	W	61	64	64	64	63
	AN	64	66	65	65	64
	BN	64	66	66	66	65
	D	64	66	66	66	66
	C	64	67	67	67	67
	AVG	63	66	65	65	65
JUN	W	67	69	68	68	69
	AN	69	71	69	69	71
	BN	69	71	69	69	69
	D	69	72	72	72	72
	C	69	72	72	72	72
	AVG	68	71	69	69	70
JUL	W	70	71	72	72	73
	AN	69	70	70	70	73
	BN	69	71	72	72	73
	D	69	71	73	74	74
	C	71	75	77	77	77
	AVG	70	72	73	73	74

Alternative 4: Feather River at Gridley Dam						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
AUG	W	71	71	73	73	74
	AN	68	70	71	71	73
	BN	69	71	72	73	74
	D	68	72	73	73	73
	C	71	75	75	75	75
	AVG	69	72	73	73	74
SEP	W	65	64	68	65	66
	AN	65	64	67	66	67
	BN	66	69	68	68	69
	D	65	68	68	68	68
	C	66	70	70	70	70
	AVG	65	67	68	67	68
OCT	W	59	63	62	63	63
	AN	60	63	63	63	64
	BN	60	63	63	63	64
	D	59	63	62	63	63
	C	59	63	63	63	62
	AVG	59	63	62	63	63
NOV	W	53	57	56	57	57
	AN	54	58	57	58	58
	BN	53	57	57	57	57
	D	53	57	57	57	57
	C	54	57	57	58	57
	AVG	53	57	57	57	57
DEC	W	48	51	51	51	51
	AN	47	52	51	52	51
	BN	47	51	51	51	50
	D	47	51	50	50	51
	C	46	50	50	50	50
	AVG	47	51	51	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Gridley Dam, Year-Round

Alternative 4: Feather River at Gridley Dam					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
JAN	W	2.7 (5.7%)	0 (0.1%)	0.2 (0.3%)	0.1 (0.2%)
	AN	2.9 (6.2%)	-0.1 (-0.1%)	0.2 (0.3%)	0 (-0.1%)
	BN	2.8 (6%)	0 (0.1%)	0 (-0.1%)	0 (0%)
	D	3 (6.5%)	0.1 (0.3%)	0.1 (0.2%)	-0.1 (-0.1%)
	C	3.3 (7.2%)	0.1 (0.2%)	0 (0%)	-0.1 (-0.1%)
	AVG	2.9 (6.2%)	0.1 (0.1%)	0.1 (0.2%)	0 (0%)
FEB	W	2.5 (5.1%)	-0.2 (-0.3%)	0.2 (0.4%)	0.2 (0.3%)
	AN	2.9 (5.9%)	-0.2 (-0.4%)	0.1 (0.1%)	-0.1 (-0.2%)
	BN	3 (6.1%)	0.1 (0.1%)	-0.1 (-0.3%)	-0.2 (-0.3%)
	D	2.8 (5.6%)	0 (0.1%)	0.1 (0.2%)	0 (0%)
	C	3.1 (6%)	0 (-0.1%)	0 (0.1%)	0.2 (0.3%)
	AVG	2.8 (5.6%)	-0.1 (-0.1%)	0.1 (0.1%)	0 (0.1%)
MAR	W	2.4 (4.7%)	0.1 (0.3%)	0 (0.1%)	-0.1 (-0.1%)
	AN	1.7 (3.1%)	-0.1 (-0.1%)	-0.2 (-0.4%)	0 (0%)
	BN	3.3 (6.1%)	0.3 (0.4%)	-0.2 (-0.3%)	-0.2 (-0.4%)
	D	2.5 (4.6%)	0 (0%)	0 (0.1%)	0.1 (0.2%)
	C	3 (5.5%)	0.1 (0.1%)	-0.1 (-0.1%)	0 (0%)
	AVG	2.6 (4.8%)	0.1 (0.2%)	0 (-0.1%)	0 (-0.1%)
APR	W	2 (3.6%)	0 (0%)	0.1 (0.1%)	-1.1 (-1.8%)
	AN	2.3 (4%)	0.1 (0.1%)	0.1 (0.1%)	-1.8 (-2.9%)
	BN	1.6 (2.8%)	-0.2 (-0.4%)	0.1 (0.1%)	-1.5 (-2.4%)
	D	2.3 (4%)	0 (0%)	0 (0.1%)	0 (0.1%)
	C	2.6 (4.5%)	0.2 (0.3%)	0.1 (0.1%)	0.1 (0.2%)
	AVG	2.2 (3.7%)	0 (0%)	0.1 (0.1%)	-0.8 (-1.3%)
MAY	W	2.8 (4.5%)	-0.2 (-0.4%)	0 (0.1%)	-0.9 (-1.4%)
	AN	1.5 (2.4%)	-0.3 (-0.5%)	0 (0%)	-1.3 (-1.9%)
	BN	1.6 (2.4%)	-0.5 (-0.7%)	0.2 (0.3%)	-0.5 (-0.7%)
	D	2 (3.1%)	-0.2 (-0.3%)	-0.1 (-0.1%)	-0.2 (-0.2%)
	C	2.2 (3.4%)	-0.1 (-0.1%)	0.1 (0.1%)	0.1 (0.1%)
	AVG	2.1 (3.4%)	-0.3 (-0.4%)	0 (0%)	-0.6 (-0.9%)
JUN	W	1.1 (1.6%)	-1.7 (-2.4%)	0.3 (0.4%)	1.6 (2.3%)
	AN	0 (0%)	-2.5 (-3.5%)	0 (0.1%)	2.3 (3.3%)
	BN	-0.2 (-0.2%)	-2.4 (-3.4%)	0 (0%)	0.8 (1.2%)
	D	2.4 (3.5%)	-0.5 (-0.7%)	-0.1 (-0.1%)	0.2 (0.3%)
	C	3 (4.3%)	-0.1 (-0.1%)	0.1 (0.1%)	0.1 (0.1%)
	AVG	1.3 (1.9%)	-1.4 (-2%)	0.1 (0.1%)	1 (1.5%)
JUL	W	1.2 (1.7%)	0.6 (0.8%)	0.2 (0.2%)	1.3 (1.8%)
	AN	1.6 (2.4%)	0.1 (0.1%)	0.1 (0.2%)	2.4 (3.4%)
	BN	3 (4.3%)	0.8 (1.2%)	0.1 (0.2%)	0.9 (1.2%)
	D	4.9 (7.1%)	2.4 (3.4%)	-0.4 (-0.5%)	0.4 (0.6%)
	C	6.9 (9.8%)	2.5 (3.4%)	-0.4 (-0.5%)	-0.9 (-1.1%)
	AVG	3.2 (4.6%)	1.3 (1.8%)	0 (-0.1%)	0.9 (1.2%)

Alternative 4: Feather River at Gridley Dam					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
AUG	W	1.8 (2.5%)	1.1 (1.6%)	0 (0%)	1.3 (1.7%)
	AN	3.2 (4.7%)	1.4 (2%)	0 (0.1%)	1.4 (2%)
	BN	3.6 (5.3%)	1.3 (1.8%)	-0.3 (-0.3%)	1.2 (1.7%)
	D	5.4 (8%)	1.1 (1.6%)	-0.3 (-0.4%)	0 (0%)
	C	4.1 (5.8%)	-0.1 (-0.1%)	-0.1 (-0.1%)	0.2 (0.2%)
	AVG	3.4 (4.9%)	1 (1.4%)	-0.1 (-0.2%)	0.8 (1.1%)
SEP	W	-0.2 (-0.2%)	1.1 (1.7%)	2.9 (4.4%)	1.2 (1.8%)
	AN	1.1 (1.6%)	1.9 (2.9%)	0.8 (1.2%)	1.1 (1.6%)
	BN	2.5 (3.8%)	-0.3 (-0.5%)	0 (0%)	1 (1.4%)
	D	3.1 (4.7%)	-0.2 (-0.3%)	-0.1 (-0.1%)	-0.1 (-0.1%)
	C	4.5 (6.9%)	-0.2 (-0.3%)	-0.2 (-0.3%)	-0.5 (-0.6%)
	AVG	1.9 (2.9%)	0.5 (0.7%)	1 (1.5%)	0.6 (0.9%)
OCT	W	3.7 (6.3%)	-0.2 (-0.3%)	-0.7 (-1.2%)	0.4 (0.6%)
	AN	3 (5%)	-0.3 (-0.5%)	-0.3 (-0.5%)	1 (1.6%)
	BN	3.6 (6%)	-0.1 (-0.1%)	-0.2 (-0.4%)	0.6 (0.9%)
	D	4.3 (7.3%)	0.1 (0.2%)	-0.8 (-1.2%)	-0.2 (-0.3%)
	C	3.9 (6.5%)	0.1 (0.2%)	-0.3 (-0.5%)	-1 (-1.6%)
	AVG	3.7 (6.3%)	-0.1 (-0.1%)	-0.5 (-0.9%)	0.2 (0.2%)
NOV	W	4.1 (7.8%)	-0.1 (-0.1%)	-0.8 (-1.3%)	-0.2 (-0.4%)
	AN	3.7 (6.9%)	-0.2 (-0.3%)	-0.4 (-0.7%)	0.4 (0.6%)
	BN	3.9 (7.4%)	-0.1 (-0.2%)	-0.5 (-0.9%)	-0.2 (-0.3%)
	D	4.3 (8.2%)	-0.1 (-0.3%)	-0.5 (-0.9%)	-0.3 (-0.5%)
	C	4.1 (7.8%)	0.2 (0.3%)	-0.2 (-0.4%)	-1 (-1.7%)
	AVG	4.1 (7.7%)	-0.1 (-0.1%)	-0.5 (-0.9%)	-0.3 (-0.5%)
DEC	W	3.4 (7.1%)	0 (-0.1%)	0 (0.1%)	0.2 (0.4%)
	AN	4.1 (8.6%)	-0.3 (-0.5%)	-0.2 (-0.4%)	-0.3 (-0.5%)
	BN	4 (8.6%)	-0.1 (-0.2%)	0.1 (0.2%)	-0.3 (-0.5%)
	D	3.8 (8.1%)	-0.2 (-0.4%)	-0.3 (-0.6%)	0.2 (0.3%)
	C	4 (8.5%)	0.2 (0.4%)	0.1 (0.2%)	-0.4 (-0.7%)
	AVG	3.8 (8%)	-0.1 (-0.1%)	0 (-0.1%)	0 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.4.13 Feather River at Honcut Creek

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4 Model Scenarios in the Feather River at Honcut Creek, Year-Round

Alternative 4: Feather River at Honcut Creek						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
JAN	W	47	50	50	50	50
	AN	46	49	50	49	49
	BN	46	49	49	49	49
	D	45	48	48	48	48
	C	46	49	49	49	49
	AVG	46	49	49	49	49
FEB	W	49	52	52	52	52
	AN	49	53	52	52	52
	BN	50	53	53	53	53
	D	50	53	53	53	53
	C	51	54	54	54	54
	AVG	50	53	53	53	53
MAR	W	52	54	54	54	54
	AN	53	55	54	55	55
	BN	54	57	57	57	57
	D	55	58	58	58	58
	C	55	58	58	58	58
	AVG	53	56	56	56	56
APR	W	56	58	58	58	57
	AN	59	61	61	61	59
	BN	60	62	61	61	60
	D	60	62	62	62	62
	C	59	62	62	62	62
	AVG	58	61	61	60	60
MAY	W	62	65	65	65	64
	AN	65	67	66	66	65
	BN	65	67	67	66	66
	D	65	67	67	67	67
	C	65	68	68	68	68
	AVG	64	67	66	66	66
JUN	W	67	70	69	68	70
	AN	69	72	69	69	72
	BN	69	72	69	69	70
	D	70	73	72	72	73
	C	69	73	73	72	72
	AVG	69	72	70	70	71
JUL	W	71	72	73	72	74
	AN	69	71	71	71	73
	BN	69	72	73	72	73
	D	69	72	74	74	75
	C	71	76	78	78	77
	AVG	70	72	73	73	74

Alternative 4: Feather River at Honcut Creek						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
AUG	W	72	72	73	73	75
	AN	69	71	72	72	74
	BN	69	72	73	73	74
	D	68	73	74	74	74
	C	72	76	76	76	76
	AVG	70	73	74	74	75
SEP	W	66	64	69	66	67
	AN	66	65	68	67	68
	BN	67	69	69	69	70
	D	66	70	69	69	69
	C	66	71	71	71	70
	AVG	66	68	69	68	69
OCT	W	59	63	62	63	63
	AN	60	64	63	63	64
	BN	60	64	63	64	64
	D	59	63	63	63	63
	C	60	64	63	64	63
	AVG	60	63	63	63	63
NOV	W	53	57	56	57	57
	AN	54	58	57	57	58
	BN	53	57	56	57	57
	D	53	57	56	57	57
	C	54	57	57	58	57
	AVG	53	57	57	57	57
DEC	W	47	51	51	51	51
	AN	47	52	51	51	51
	BN	46	51	51	50	50
	D	46	50	50	50	50
	C	46	50	50	50	50
	AVG	47	51	50	51	50

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Honcut Creek, Year-Round

Alternative 4: Feather River at Honcut Creek					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
JAN	W	2.7 (5.7%)	0 (0%)	0.2 (0.3%)	0.1 (0.1%)
	AN	2.9 (6.2%)	0 (-0.1%)	0.1 (0.3%)	-0.1 (-0.1%)
	BN	2.8 (6%)	0 (0.1%)	0 (0%)	0 (0%)
	D	2.9 (6.4%)	0.1 (0.2%)	0.1 (0.2%)	0 (-0.1%)
	C	3.3 (7.2%)	0.1 (0.1%)	0 (-0.1%)	-0.1 (-0.2%)
	AVG	2.9 (6.2%)	0 (0.1%)	0.1 (0.2%)	0 (0%)
FEB	W	2.5 (5.1%)	-0.2 (-0.3%)	0.2 (0.4%)	0.1 (0.3%)
	AN	2.9 (5.8%)	-0.2 (-0.3%)	0 (0.1%)	-0.1 (-0.2%)
	BN	3 (6.1%)	0 (0.1%)	-0.1 (-0.2%)	-0.2 (-0.3%)
	D	2.8 (5.6%)	0 (0%)	0.1 (0.2%)	0 (0%)
	C	3 (6%)	0 (0%)	0 (0%)	0.1 (0.2%)
	AVG	2.8 (5.6%)	-0.1 (-0.1%)	0.1 (0.1%)	0 (0%)
MAR	W	2.4 (4.7%)	0.1 (0.3%)	0 (0.1%)	-0.1 (-0.1%)
	AN	1.6 (3.1%)	-0.1 (-0.2%)	-0.2 (-0.4%)	0 (0%)
	BN	3.3 (6%)	0.2 (0.4%)	-0.2 (-0.3%)	-0.2 (-0.4%)
	D	2.5 (4.5%)	0 (0%)	0 (0.1%)	0.1 (0.2%)
	C	2.9 (5.2%)	0.1 (0.1%)	0 (-0.1%)	0 (0%)
	AVG	2.5 (4.7%)	0.1 (0.1%)	0 (-0.1%)	0 (-0.1%)
APR	W	2 (3.7%)	0 (0%)	0.1 (0.1%)	-1.2 (-2.1%)
	AN	2.4 (4%)	0.1 (0.1%)	0 (0%)	-2 (-3.3%)
	BN	1.7 (2.8%)	-0.3 (-0.4%)	0 (0.1%)	-1.8 (-2.9%)
	D	2.2 (3.7%)	-0.1 (-0.2%)	0 (0%)	0 (0.1%)
	C	2.5 (4.2%)	0 (0.1%)	0 (0%)	0.2 (0.3%)
	AVG	2.1 (3.6%)	-0.1 (-0.1%)	0 (0.1%)	-0.9 (-1.5%)
MAY	W	2.9 (4.7%)	-0.2 (-0.4%)	0 (0%)	-1.1 (-1.7%)
	AN	1.6 (2.4%)	-0.5 (-0.8%)	0 (0%)	-1.4 (-2.1%)
	BN	1.4 (2.1%)	-0.6 (-0.9%)	0.2 (0.3%)	-0.5 (-0.7%)
	D	1.8 (2.8%)	-0.2 (-0.3%)	-0.1 (-0.1%)	-0.1 (-0.2%)
	C	2.3 (3.5%)	-0.1 (-0.1%)	0.1 (0.1%)	0.1 (0.1%)
	AVG	2.1 (3.3%)	-0.3 (-0.5%)	0 (0.1%)	-0.6 (-0.9%)
JUN	W	1.1 (1.7%)	-1.7 (-2.4%)	0.3 (0.5%)	1.7 (2.5%)
	AN	0 (0%)	-2.5 (-3.5%)	0 (0%)	2.4 (3.4%)
	BN	-0.2 (-0.3%)	-2.5 (-3.4%)	0 (0%)	0.8 (1.2%)
	D	2.4 (3.5%)	-0.5 (-0.7%)	-0.1 (-0.1%)	0.2 (0.3%)
	C	3.1 (4.5%)	-0.1 (-0.1%)	0.1 (0.1%)	0 (0%)
	AVG	1.3 (1.9%)	-1.4 (-2%)	0.1 (0.1%)	1.1 (1.5%)
JUL	W	1.4 (1.9%)	0.6 (0.8%)	0.2 (0.2%)	1.3 (1.8%)
	AN	1.8 (2.5%)	0.1 (0.2%)	0.1 (0.2%)	2.4 (3.4%)
	BN	3.2 (4.6%)	0.8 (1.2%)	0.1 (0.2%)	0.9 (1.3%)
	D	5.1 (7.3%)	2.5 (3.4%)	-0.4 (-0.5%)	0.4 (0.6%)
	C	7 (9.9%)	2.6 (3.4%)	-0.4 (-0.5%)	-0.9 (-1.1%)
	AVG	3.4 (4.8%)	1.3 (1.8%)	0 (-0.1%)	0.9 (1.2%)

Alternative 4: Feather River at Honcut Creek					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
AUG	W	1.9 (2.6%)	1.2 (1.6%)	0 (0%)	1.4 (1.9%)
	AN	3.3 (4.8%)	1.4 (2%)	0 (0.1%)	1.6 (2.2%)
	BN	3.7 (5.4%)	1.3 (1.8%)	-0.2 (-0.3%)	1.3 (1.8%)
	D	5.6 (8.2%)	1.1 (1.5%)	-0.4 (-0.5%)	0.1 (0.1%)
	C	4.1 (5.7%)	-0.2 (-0.2%)	0 (0%)	-0.1 (-0.2%)
	AVG	3.5 (5.1%)	1 (1.4%)	-0.1 (-0.2%)	0.9 (1.2%)
SEP	W	-0.5 (-0.7%)	1.1 (1.7%)	3.7 (5.7%)	1.1 (1.7%)
	AN	0.9 (1.4%)	1.9 (2.9%)	1.4 (2.1%)	1.1 (1.7%)
	BN	2.9 (4.4%)	0.1 (0.1%)	0 (0%)	1 (1.4%)
	D	3.5 (5.4%)	-0.3 (-0.4%)	-0.2 (-0.3%)	-0.2 (-0.3%)
	C	4.4 (6.6%)	-0.2 (-0.2%)	-0.2 (-0.3%)	-0.6 (-0.9%)
	AVG	1.9 (2.9%)	0.5 (0.8%)	1.3 (1.9%)	0.5 (0.8%)
OCT	W	3.7 (6.2%)	-0.2 (-0.3%)	-0.7 (-1.1%)	0.3 (0.6%)
	AN	2.9 (4.9%)	-0.3 (-0.5%)	-0.3 (-0.5%)	1 (1.5%)
	BN	3.6 (5.9%)	-0.1 (-0.1%)	-0.3 (-0.4%)	0.5 (0.8%)
	D	4.1 (7%)	0.1 (0.1%)	-0.7 (-1.1%)	-0.1 (-0.2%)
	C	3.8 (6.4%)	0.1 (0.1%)	-0.3 (-0.5%)	-1 (-1.6%)
	AVG	3.7 (6.2%)	-0.1 (-0.1%)	-0.5 (-0.8%)	0.1 (0.2%)
NOV	W	4 (7.7%)	0 (-0.1%)	-0.7 (-1.2%)	-0.2 (-0.4%)
	AN	3.7 (6.8%)	-0.2 (-0.4%)	-0.3 (-0.6%)	0.4 (0.6%)
	BN	3.9 (7.3%)	-0.1 (-0.1%)	-0.5 (-0.8%)	-0.2 (-0.3%)
	D	4.2 (8%)	-0.1 (-0.2%)	-0.5 (-0.9%)	-0.3 (-0.5%)
	C	4.1 (7.6%)	0.2 (0.3%)	-0.2 (-0.4%)	-0.9 (-1.6%)
	AVG	4 (7.5%)	-0.1 (-0.1%)	-0.5 (-0.9%)	-0.3 (-0.5%)
DEC	W	3.3 (7%)	0 (-0.1%)	0.1 (0.1%)	0.2 (0.4%)
	AN	4.1 (8.6%)	-0.3 (-0.5%)	-0.2 (-0.4%)	-0.3 (-0.5%)
	BN	3.9 (8.5%)	-0.1 (-0.2%)	0.1 (0.2%)	-0.2 (-0.5%)
	D	3.7 (8%)	-0.2 (-0.3%)	-0.3 (-0.6%)	0.1 (0.3%)
	C	3.8 (8.3%)	0.3 (0.6%)	0.1 (0.2%)	-0.4 (-0.7%)
	AVG	3.7 (7.9%)	-0.1 (-0.1%)	0 (-0.1%)	0 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.4.14 Feather River at the Confluence with the Sacramento River

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4 Model Scenarios in the Feather River at the Confluence with the Sacramento River, Year-Round

Alternative 4: Feather River at the Confluence with the Sacramento River						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
JAN	W	47	48	49	48	49
	AN	46	48	48	48	48
	BN	46	47	47	47	47
	D	45	47	47	47	47
	C	45	48	48	48	48
	AVG	46	48	48	48	48
FEB	W	50	52	52	52	52
	AN	50	52	52	52	52
	BN	50	51	51	51	51
	D	50	52	52	52	52
	C	51	53	53	53	53
	AVG	50	52	52	52	52
MAR	W	53	55	55	55	55
	AN	54	56	56	56	56
	BN	55	57	57	57	57
	D	55	57	57	57	57
	C	56	58	58	58	58
	AVG	55	56	56	56	56
APR	W	59	60	60	60	59
	AN	60	62	62	62	61
	BN	61	62	62	62	61
	D	62	64	64	64	64
	C	63	65	65	65	65
	AVG	61	63	62	62	62
MAY	W	65	68	67	67	67
	AN	66	69	69	69	68
	BN	67	69	69	69	68
	D	68	70	70	70	70
	C	68	71	71	71	71
	AVG	66	69	69	69	69
JUN	W	70	73	72	72	73
	AN	71	75	73	73	75
	BN	72	75	73	73	74
	D	73	77	76	76	77
	C	72	76	76	76	76
	AVG	71	75	74	74	75

Alternative 4: Feather River at the Confluence with the Sacramento River						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
JUL	W	74	76	77	77	78
	AN	72	75	75	75	77
	BN	73	76	77	76	77
	D	73	76	78	78	78
	C	75	79	81	81	81
	AVG	73	76	77	77	78
AUG	W	73	76	77	77	78
	AN	71	74	75	75	76
	BN	72	75	76	76	76
	D	72	76	77	77	77
	C	75	79	79	79	79
	AVG	73	76	77	77	77
SEP	W	71	70	75	71	71
	AN	70	70	73	71	72
	BN	70	73	74	74	74
	D	70	74	74	74	74
	C	70	74	74	74	73
	AVG	70	72	74	73	73
OCT	W	61	64	63	64	64
	AN	62	64	64	64	65
	BN	61	64	64	64	65
	D	61	64	64	64	64
	C	62	65	65	65	65
	AVG	61	64	64	64	64
NOV	W	52	55	55	55	55
	AN	53	56	56	56	56
	BN	53	55	55	55	55
	D	52	55	55	55	55
	C	53	56	56	56	56
	AVG	53	55	55	55	55
DEC	W	47	49	49	49	49
	AN	47	50	49	50	49
	BN	46	49	49	48	48
	D	46	49	48	49	49
	C	45	47	48	48	48
	AVG	46	49	49	49	49

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at the Confluence with the Sacramento River, Year-Round

Alternative 4: Feather River at the Confluence with the Sacramento River					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
JAN	W	1.9 (4%)	0 (0%)	0.1 (0.3%)	0 (0.1%)
	AN	1.8 (4%)	0 (0%)	0.1 (0.1%)	0 (-0.1%)
	BN	1.8 (4%)	0 (0%)	0 (0%)	0 (0%)
	D	2.1 (4.7%)	0 (0.1%)	0.1 (0.3%)	0 (-0.1%)
	C	2.3 (5.1%)	0 (0.1%)	0 (0%)	-0.1 (-0.3%)
	AVG	2 (4.3%)	0 (0%)	0.1 (0.2%)	0 (0%)
FEB	W	1.9 (3.8%)	0 (0%)	0.1 (0.2%)	0.1 (0.1%)
	AN	1.9 (3.8%)	-0.1 (-0.1%)	0 (0.1%)	0 (0%)
	BN	1.7 (3.4%)	0 (0%)	0.1 (0.1%)	0 (0%)
	D	1.9 (3.8%)	0 (0%)	0 (0.1%)	0 (0%)
	C	2.2 (4.3%)	0 (0%)	0 (0%)	0 (0%)
	AVG	1.9 (3.8%)	0 (0%)	0 (0.1%)	0 (0.1%)
MAR	W	1.8 (3.3%)	0 (0.1%)	0 (0%)	0 (-0.1%)
	AN	1.3 (2.3%)	-0.1 (-0.1%)	0 (-0.1%)	0 (0%)
	BN	1.9 (3.4%)	0 (0.1%)	0 (-0.1%)	-0.1 (-0.1%)
	D	1.7 (3.1%)	0 (-0.1%)	0 (0%)	0.1 (0.1%)
	C	2.1 (3.7%)	0 (0.1%)	0 (0%)	0 (0%)
	AVG	1.8 (3.2%)	0 (0%)	0 (0%)	0 (0%)
APR	W	1.6 (2.7%)	0 (0%)	0 (0%)	-1 (-1.7%)
	AN	1.9 (3.2%)	0 (0%)	0 (0%)	-1.3 (-2%)
	BN	1.4 (2.3%)	-0.2 (-0.4%)	0 (0%)	-1 (-1.6%)
	D	1.9 (3.1%)	-0.1 (-0.2%)	0 (0%)	-0.1 (-0.1%)
	C	2.1 (3.3%)	-0.1 (-0.2%)	0 (0%)	0.1 (0.2%)
	AVG	1.8 (2.9%)	-0.1 (-0.1%)	0 (0%)	-0.7 (-1.1%)
MAY	W	2.9 (4.5%)	-0.1 (-0.1%)	0 (0%)	-0.9 (-1.3%)
	AN	2.6 (3.8%)	-0.4 (-0.6%)	0 (0%)	-0.9 (-1.3%)
	BN	2.2 (3.3%)	-0.4 (-0.6%)	0.1 (0.2%)	-0.4 (-0.5%)
	D	2.4 (3.6%)	-0.2 (-0.3%)	0 (0%)	-0.1 (-0.1%)
	C	2.7 (4%)	0 (0%)	0 (0%)	0 (0%)
	AVG	2.6 (3.9%)	-0.2 (-0.3%)	0 (0%)	-0.5 (-0.7%)
JUN	W	2.4 (3.4%)	-1.1 (-1.5%)	0.2 (0.3%)	1.2 (1.7%)
	AN	1.7 (2.4%)	-1.6 (-2.2%)	0 (0%)	1.7 (2.3%)
	BN	1.6 (2.3%)	-1.7 (-2.3%)	0 (0.1%)	0.4 (0.6%)
	D	3.4 (4.6%)	-0.4 (-0.5%)	0 (-0.1%)	0.2 (0.2%)
	C	3.5 (4.8%)	0 (0%)	0.1 (0.1%)	0.1 (0.1%)
	AVG	2.5 (3.6%)	-1 (-1.3%)	0.1 (0.1%)	0.7 (1%)
JUL	W	3.1 (4.2%)	0.5 (0.6%)	0.1 (0.2%)	1 (1.3%)
	AN	2.7 (3.8%)	0.1 (0.1%)	0.1 (0.1%)	1.8 (2.4%)
	BN	3.7 (5.1%)	0.6 (0.8%)	0.1 (0.1%)	0.7 (0.9%)
	D	5.2 (7.2%)	1.9 (2.5%)	-0.3 (-0.4%)	0.3 (0.4%)
	C	6.4 (8.6%)	1.9 (2.4%)	-0.1 (-0.1%)	-0.4 (-0.5%)
	AVG	4.1 (5.6%)	1 (1.3%)	0 (0%)	0.7 (0.9%)

Alternative 4: Feather River at the Confluence with the Sacramento River					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
AUG	W	3.4 (4.7%)	0.9 (1.2%)	0 (0%)	1.1 (1.4%)
	AN	3.6 (5.1%)	0.9 (1.2%)	0 (0%)	1.1 (1.4%)
	BN	3.8 (5.3%)	0.8 (1%)	-0.2 (-0.2%)	0.7 (0.9%)
	D	5.5 (7.8%)	0.8 (1.1%)	-0.3 (-0.4%)	0.1 (0.2%)
	C	4.3 (5.7%)	-0.1 (-0.1%)	0.1 (0.2%)	-0.2 (-0.3%)
	AVG	4.1 (5.7%)	0.7 (0.9%)	-0.1 (-0.1%)	0.6 (0.8%)
SEP	W	0.2 (0.3%)	0.9 (1.3%)	4.1 (5.8%)	0.7 (1%)
	AN	1.4 (2%)	1.5 (2.2%)	2 (2.8%)	0.6 (0.9%)
	BN	3.7 (5.3%)	0.8 (1%)	0 (0%)	0.4 (0.5%)
	D	4.3 (6.2%)	-0.1 (-0.1%)	-0.3 (-0.4%)	-0.3 (-0.4%)
	C	3.6 (5.1%)	-0.1 (-0.2%)	0 (-0.1%)	-0.5 (-0.6%)
	AVG	2.4 (3.4%)	0.6 (0.8%)	1.5 (2.1%)	0.2 (0.3%)
OCT	W	3.1 (5.1%)	-0.1 (-0.1%)	-0.4 (-0.5%)	0.2 (0.2%)
	AN	2.4 (3.8%)	-0.2 (-0.3%)	-0.1 (-0.2%)	0.5 (0.8%)
	BN	3 (5%)	0.1 (0.2%)	-0.2 (-0.3%)	0.2 (0.3%)
	D	3.1 (5.2%)	0.1 (0.1%)	-0.3 (-0.5%)	0 (-0.1%)
	C	3.2 (5.2%)	0 (-0.1%)	-0.2 (-0.3%)	-0.6 (-0.9%)
	AVG	3 (4.9%)	0 (0%)	-0.3 (-0.4%)	0.1 (0.1%)
NOV	W	2.8 (5.3%)	0 (0%)	-0.3 (-0.5%)	-0.2 (-0.4%)
	AN	2.8 (5.2%)	-0.1 (-0.2%)	-0.1 (-0.2%)	0.1 (0.1%)
	BN	2.8 (5.4%)	0 (0%)	-0.2 (-0.4%)	-0.2 (-0.3%)
	D	2.8 (5.4%)	0 (0%)	-0.2 (-0.3%)	-0.1 (-0.2%)
	C	2.9 (5.5%)	0.1 (0.2%)	-0.1 (-0.2%)	-0.3 (-0.6%)
	AVG	2.8 (5.4%)	0 (0%)	-0.2 (-0.4%)	-0.2 (-0.3%)
DEC	W	1.9 (4.1%)	0 (0%)	0.1 (0.2%)	0.1 (0.3%)
	AN	2.7 (5.7%)	-0.3 (-0.5%)	-0.1 (-0.1%)	-0.2 (-0.5%)
	BN	2.7 (5.8%)	-0.1 (-0.2%)	0.2 (0.4%)	-0.1 (-0.1%)
	D	2.5 (5.5%)	-0.1 (-0.1%)	-0.3 (-0.5%)	0 (0%)
	C	2.8 (6.3%)	0.5 (1%)	0 (0.1%)	-0.3 (-0.6%)
	AVG	2.4 (5.2%)	0 (0%)	0 (0%)	0 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.4.15 American River below Nimbus Dam

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4 Model Scenarios in the American River below Nimbus Dam, Year-Round

Alternative 4: American River below Nimbus Dam						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
JAN	W	47	50	50	50	50
	AN	47	49	50	49	50
	BN	46	49	49	49	49
	D	47	49	49	49	49
	C	47	50	50	50	50
	AVG	47	50	50	50	50
FEB	W	48	51	51	51	51
	AN	48	52	52	52	52
	BN	47	51	51	51	51
	D	49	52	52	52	52
	C	51	54	54	54	54
	AVG	48	52	52	52	52
MAR	W	52	55	55	55	55
	AN	53	56	56	56	56
	BN	53	56	56	56	56
	D	53	57	56	57	57
	C	55	58	58	58	58
	AVG	53	56	56	56	56
APR	W	56	59	59	59	59
	AN	57	60	60	60	60
	BN	57	61	61	61	61
	D	59	62	62	62	62
	C	59	63	63	63	63
	AVG	58	60	61	61	60
MAY	W	60	64	64	64	64
	AN	61	66	66	66	66
	BN	61	65	65	65	65
	D	64	67	67	66	67
	C	64	68	68	68	68
	AVG	62	66	65	65	66
JUN	W	64	67	66	66	67
	AN	65	68	67	67	69
	BN	65	68	66	67	68
	D	67	69	69	68	69
	C	68	72	71	72	72
	AVG	66	68	68	68	68
JUL	W	66	68	68	68	68
	AN	66	66	67	67	67
	BN	66	67	68	67	67
	D	67	69	70	70	69
	C	70	74	75	75	74
	AVG	67	69	69	69	69

Alternative 4: American River below Nimbus Dam						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
AUG	W	67	70	70	70	69
	AN	67	69	69	70	69
	BN	67	69	71	70	69
	D	67	71	72	72	71
	C	70	76	77	77	77
	AVG	67	71	71	71	71
SEP	W	65	68	68	68	68
	AN	66	69	70	69	69
	BN	66	69	69	69	69
	D	66	71	71	71	71
	C	68	73	73	73	73
	AVG	66	70	70	70	69
OCT	W	58	68	67	67	67
	AN	59	68	68	68	68
	BN	58	68	67	68	68
	D	59	67	67	68	67
	C	61	68	68	68	68
	AVG	59	68	67	68	68
NOV	W	57	61	61	61	61
	AN	57	61	61	61	61
	BN	56	61	61	60	61
	D	57	61	60	60	61
	C	58	61	61	61	61
	AVG	57	61	61	61	61
DEC	W	50	53	53	53	53
	AN	51	53	53	53	53
	BN	50	52	53	52	53
	D	50	53	53	53	53
	C	50	52	53	52	53
	AVG	50	53	53	53	53

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River below Nimbus Dam, Year-Round

Alternative 4: American River below Nimbus Dam					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
JAN	W	3.1 (6.7%)	0 (0.1%)	0 (0%)	0 (0%)
	AN	2.7 (5.7%)	0 (0%)	0.1 (0.2%)	0 (0.1%)
	BN	3 (6.5%)	0 (0.1%)	0.1 (0.1%)	0 (0.1%)
	D	2.8 (6%)	-0.1 (-0.2%)	0 (0%)	0.1 (0.1%)
	C	3.1 (6.6%)	0.1 (0.2%)	0 (-0.1%)	0 (-0.1%)
	AVG	3 (6.4%)	0 (0%)	0 (0%)	0 (0%)
FEB	W	3.5 (7.2%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.8 (8%)	0 (0.1%)	-0.1 (-0.2%)	0 (0.1%)
	BN	3.4 (7.1%)	0.1 (0.1%)	-0.1 (-0.1%)	0 (-0.1%)
	D	3.4 (7%)	0 (0%)	0.1 (0.1%)	0 (0%)
	C	3.6 (7.1%)	0.3 (0.6%)	-0.5 (-0.9%)	-0.4 (-0.8%)
	AVG	3.5 (7.2%)	0.1 (0.1%)	-0.1 (-0.2%)	-0.1 (-0.1%)
MAR	W	3.1 (6%)	0 (0%)	0 (0%)	0 (0%)
	AN	2.9 (5.6%)	0 (0.1%)	0.1 (0.1%)	0 (-0.1%)
	BN	2.7 (5.1%)	0.1 (0.1%)	0 (0%)	0 (0.1%)
	D	3.3 (6.3%)	-0.1 (-0.1%)	-0.1 (-0.1%)	0 (0.1%)
	C	3 (5.5%)	0 (0.1%)	-0.1 (-0.2%)	0 (-0.1%)
	AVG	3.1 (5.8%)	0 (0%)	0 (0%)	0 (0%)
APR	W	3 (5.3%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.2 (5.5%)	0 (0%)	0 (0%)	0 (0%)
	BN	3.1 (5.4%)	0 (-0.1%)	0 (-0.1%)	0 (0%)
	D	2.5 (4.3%)	0 (0%)	0.2 (0.3%)	0.1 (0.1%)
	C	3.7 (6.2%)	0.5 (0.7%)	-0.3 (-0.6%)	-0.5 (-0.8%)
	AVG	3 (5.3%)	0.1 (0.1%)	0 (0%)	-0.1 (-0.1%)
MAY	W	4.1 (6.9%)	0 (-0.1%)	0 (0%)	0 (0%)
	AN	4.5 (7.4%)	-0.3 (-0.4%)	0 (0%)	0.1 (0.2%)
	BN	3.9 (6.4%)	-0.2 (-0.3%)	-0.1 (-0.2%)	0.3 (0.5%)
	D	2.3 (3.7%)	-0.7 (-1%)	0.3 (0.5%)	0.4 (0.6%)
	C	3.8 (5.9%)	0.1 (0.2%)	0 (0%)	-0.1 (-0.2%)
	AVG	3.7 (6%)	-0.2 (-0.3%)	0.1 (0.1%)	0.2 (0.2%)
JUN	W	2.4 (3.8%)	-0.6 (-0.9%)	-0.1 (-0.1%)	0.5 (0.7%)
	AN	2.1 (3.2%)	-0.7 (-1%)	0 (0%)	1.1 (1.6%)
	BN	2.2 (3.3%)	-0.8 (-1.2%)	-1 (-1.4%)	0.4 (0.6%)
	D	1.4 (2.1%)	-0.4 (-0.6%)	0.1 (0.2%)	0.7 (1%)
	C	4.2 (6.1%)	-0.1 (-0.1%)	-0.7 (-1%)	-0.5 (-0.7%)
	AVG	2.4 (3.6%)	-0.5 (-0.8%)	-0.3 (-0.4%)	0.4 (0.7%)
JUL	W	1.5 (2.2%)	0 (0%)	0 (-0.1%)	0 (0%)
	AN	0.6 (1%)	0.2 (0.3%)	0 (0%)	0.1 (0.2%)
	BN	1.4 (2.2%)	0.3 (0.4%)	0.7 (1%)	0 (0%)
	D	3.6 (5.4%)	1.3 (1.9%)	-0.3 (-0.4%)	-1 (-1.4%)
	C	4.8 (6.9%)	0.4 (0.6%)	0.4 (0.5%)	-0.5 (-0.6%)
	AVG	2.3 (3.5%)	0.4 (0.6%)	0.1 (0.1%)	-0.3 (-0.4%)

Alternative 4: American River below Nimbus Dam					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
AUG	W	3.1 (4.6%)	-0.1 (-0.1%)	0.1 (0.2%)	-0.2 (-0.3%)
	AN	2.2 (3.3%)	0.1 (0.2%)	0 (0%)	-0.3 (-0.5%)
	BN	3 (4.5%)	1.2 (1.8%)	0.2 (0.3%)	-1 (-1.4%)
	D	4.8 (7.1%)	0.6 (0.8%)	-0.1 (-0.2%)	-0.6 (-0.9%)
	C	6.9 (9.8%)	0.6 (0.8%)	-0.4 (-0.5%)	-0.2 (-0.2%)
	AVG	3.9 (5.8%)	0.4 (0.6%)	0 (0%)	-0.5 (-0.6%)
SEP	W	2.9 (4.4%)	0.2 (0.3%)	0.6 (0.9%)	-0.2 (-0.2%)
	AN	3.9 (5.9%)	0.8 (1.2%)	0.3 (0.4%)	-0.9 (-1.2%)
	BN	2.9 (4.4%)	0.1 (0.2%)	-0.1 (-0.2%)	-0.3 (-0.5%)
	D	4.4 (6.7%)	-0.6 (-0.8%)	0.3 (0.5%)	0.2 (0.3%)
	C	4.9 (7.1%)	0 (0.1%)	-0.2 (-0.3%)	-0.1 (-0.1%)
	AVG	3.7 (5.5%)	0.1 (0.1%)	0.3 (0.4%)	-0.2 (-0.3%)
OCT	W	9 (15.5%)	-0.3 (-0.4%)	-0.5 (-0.8%)	0 (0%)
	AN	8.9 (14.9%)	0.1 (0.2%)	-0.4 (-0.6%)	0.3 (0.4%)
	BN	9.8 (16.8%)	0.1 (0.1%)	-1.4 (-2%)	0.1 (0.1%)
	D	8.4 (14.3%)	0.1 (0.2%)	-0.3 (-0.5%)	-0.3 (-0.4%)
	C	7.5 (12.3%)	0.1 (0.2%)	-0.5 (-0.8%)	-0.3 (-0.5%)
	AVG	8.8 (14.9%)	0 (0%)	-0.6 (-0.9%)	-0.1 (-0.1%)
NOV	W	3.7 (6.5%)	-0.1 (-0.2%)	0.2 (0.3%)	0.1 (0.1%)
	AN	3.7 (6.5%)	-0.1 (-0.2%)	0.1 (0.1%)	0 (0%)
	BN	4.2 (7.6%)	-0.1 (-0.2%)	0.2 (0.3%)	0.2 (0.3%)
	D	3.8 (6.6%)	-0.1 (-0.1%)	0 (-0.1%)	0.1 (0.2%)
	C	3.5 (6.1%)	-0.1 (-0.1%)	0.2 (0.3%)	0.2 (0.3%)
	AVG	3.8 (6.7%)	-0.1 (-0.2%)	0.1 (0.2%)	0.1 (0.2%)
DEC	W	2.6 (5.1%)	0 (-0.1%)	0.2 (0.3%)	0.1 (0.1%)
	AN	2.7 (5.3%)	0 (0%)	0.1 (0.2%)	0 (0%)
	BN	2.7 (5.4%)	0 (-0.1%)	0.2 (0.4%)	0.1 (0.2%)
	D	2.6 (5.2%)	-0.1 (-0.1%)	0 (0.1%)	0.2 (0.3%)
	C	2.6 (5.1%)	0 (0%)	0.1 (0.2%)	0.1 (0.3%)
	AVG	2.6 (5.2%)	0 (-0.1%)	0.1 (0.3%)	0.1 (0.2%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.4.16 American River at Watt Avenue

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4 Model Scenarios in the American River at Watt Avenue, Year-Round

Alternative 4: American River at Watt Avenue						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
JAN	W	47	50	50	50	50
	AN	47	49	49	49	49
	BN	46	49	49	49	49
	D	46	49	49	49	49
	C	46	49	49	50	49
	AVG	46	49	49	49	49
FEB	W	48	52	52	52	52
	AN	48	52	52	52	52
	BN	48	51	51	51	51
	D	49	52	52	52	52
	C	51	54	54	54	54
	AVG	49	52	52	52	52
MAR	W	53	56	56	56	56
	AN	53	56	56	56	56
	BN	54	56	56	56	56
	D	54	57	57	57	57
	C	56	58	58	58	58
	AVG	54	56	56	56	56
APR	W	56	59	59	59	59
	AN	58	61	61	61	61
	BN	58	61	61	61	61
	D	60	63	63	63	63
	C	61	64	64	64	64
	AVG	58	61	61	61	61
MAY	W	61	65	65	65	65
	AN	62	67	67	67	67
	BN	62	67	66	66	67
	D	65	68	68	67	68
	C	66	69	69	69	69
	AVG	63	67	67	67	67
JUN	W	65	68	67	68	68
	AN	67	70	69	69	70
	BN	67	70	68	69	70
	D	69	71	71	71	71
	C	69	73	72	73	73
	AVG	67	70	69	69	70
JUL	W	68	70	70	70	70
	AN	67	68	68	68	69
	BN	67	69	70	69	69
	D	68	71	72	72	71
	C	72	76	76	76	76
	AVG	68	71	71	71	71

Alternative 4: American River at Watt Avenue						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
AUG	W	68	72	72	72	72
	AN	69	72	72	72	71
	BN	69	72	73	73	72
	D	69	73	74	74	73
	C	71	77	77	77	77
	AVG	69	73	73	73	73
SEP	W	66	69	70	69	69
	AN	66	70	71	71	70
	BN	67	70	70	71	70
	D	67	72	72	72	72
	C	69	73	73	74	73
	AVG	67	71	71	71	71
OCT	W	59	67	66	67	67
	AN	60	67	67	67	68
	BN	59	68	67	68	68
	D	60	67	67	67	66
	C	61	68	67	68	68
	AVG	60	67	67	67	67
NOV	W	56	60	60	60	60
	AN	56	60	60	60	60
	BN	56	60	60	59	60
	D	56	59	59	59	59
	C	57	60	60	60	60
	AVG	56	60	60	60	60
DEC	W	50	52	52	52	52
	AN	50	52	52	52	52
	BN	49	51	52	51	52
	D	49	52	52	52	52
	C	49	51	51	51	51
	AVG	49	52	52	52	52

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River at Watt Avenue, Year-Round

Alternative 4: American River at Watt Avenue					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
JAN	W	3.1 (6.7%)	0 (0.1%)	0 (0%)	0 (0%)
	AN	2.7 (5.8%)	0 (0%)	0.1 (0.2%)	0 (0.1%)
	BN	2.9 (6.4%)	0 (0%)	0.1 (0.1%)	0 (0.1%)
	D	2.6 (5.7%)	-0.1 (-0.2%)	0 (0%)	0.1 (0.1%)
	C	3.1 (6.6%)	0.1 (0.3%)	-0.1 (-0.2%)	-0.1 (-0.2%)
	AVG	2.9 (6.3%)	0 (0%)	0 (0%)	0 (0%)
FEB	W	3.4 (7.1%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.7 (7.7%)	0 (0%)	-0.1 (-0.3%)	0 (0%)
	BN	3.2 (6.7%)	0 (0.1%)	0 (-0.1%)	0 (-0.1%)
	D	3.2 (6.5%)	0 (-0.1%)	0.1 (0.1%)	0 (0%)
	C	3.4 (6.6%)	0.1 (0.2%)	-0.3 (-0.5%)	-0.2 (-0.4%)
	AVG	3.4 (6.9%)	0 (0%)	-0.1 (-0.1%)	0 (-0.1%)
MAR	W	3 (5.7%)	0 (0%)	0 (0%)	0 (0%)
	AN	2.9 (5.4%)	0 (0%)	0.1 (0.1%)	0 (-0.1%)
	BN	2.6 (4.8%)	0 (0%)	0 (0%)	0.1 (0.1%)
	D	3.2 (5.8%)	0 (-0.1%)	0 (-0.1%)	0 (0.1%)
	C	2.7 (4.9%)	0 (0%)	0 (-0.1%)	0 (0%)
	AVG	2.9 (5.4%)	0 (0%)	0 (0%)	0 (0%)
APR	W	2.9 (5.1%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.1 (5.4%)	0 (0%)	0 (0%)	0 (0%)
	BN	3 (5.1%)	0 (-0.1%)	0 (-0.1%)	0 (0%)
	D	2.5 (4.2%)	0 (-0.1%)	0.1 (0.1%)	0.1 (0.2%)
	C	3.1 (5.2%)	0.3 (0.5%)	-0.2 (-0.3%)	-0.3 (-0.4%)
	AVG	2.9 (4.9%)	0 (0.1%)	0 (0%)	0 (0%)
MAY	W	4.2 (6.9%)	-0.1 (-0.1%)	0 (0.1%)	0.1 (0.1%)
	AN	4.5 (7.2%)	-0.3 (-0.5%)	0 (0%)	0.2 (0.3%)
	BN	3.8 (6.1%)	-0.3 (-0.5%)	-0.1 (-0.2%)	0.4 (0.6%)
	D	2.3 (3.6%)	-0.6 (-0.9%)	0.2 (0.4%)	0.4 (0.5%)
	C	3.4 (5.1%)	0.1 (0.1%)	0 (0%)	-0.1 (-0.1%)
	AVG	3.6 (5.8%)	-0.3 (-0.4%)	0 (0.1%)	0.2 (0.3%)
JUN	W	2.7 (4.2%)	-0.7 (-1.1%)	-0.1 (-0.2%)	0.6 (0.8%)
	AN	2.1 (3.1%)	-0.8 (-1.2%)	0 (0%)	1.2 (1.7%)
	BN	2.2 (3.2%)	-0.9 (-1.3%)	-1 (-1.5%)	0.6 (0.8%)
	D	1.8 (2.6%)	-0.5 (-0.6%)	0.1 (0.2%)	0.7 (1%)
	C	3.8 (5.5%)	-0.1 (-0.2%)	-0.7 (-1%)	-0.6 (-0.8%)
	AVG	2.5 (3.7%)	-0.6 (-0.9%)	-0.3 (-0.4%)	0.5 (0.7%)
JUL	W	2.1 (3.1%)	0.1 (0.1%)	-0.1 (-0.1%)	-0.1 (-0.1%)
	AN	1.1 (1.6%)	0.2 (0.3%)	0 (0.1%)	0.1 (0.2%)
	BN	2 (3%)	0.3 (0.4%)	0.8 (1.1%)	0.1 (0.1%)
	D	4.1 (6%)	1.2 (1.7%)	-0.2 (-0.3%)	-0.8 (-1.2%)
	C	4 (5.6%)	0.1 (0.2%)	0.5 (0.7%)	0 (0%)
	AVG	2.7 (3.9%)	0.4 (0.5%)	0.1 (0.2%)	-0.2 (-0.2%)

Alternative 4: American River at Watt Avenue					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
AUG	W	4.1 (6%)	-0.1 (-0.1%)	0.1 (0.1%)	-0.3 (-0.4%)
	AN	3 (4.3%)	0 (0%)	0 (0%)	-0.4 (-0.6%)
	BN	3.8 (5.6%)	1.3 (1.8%)	0.1 (0.1%)	-1 (-1.4%)
	D	5.2 (7.6%)	0.6 (0.8%)	0 (0.1%)	-0.5 (-0.7%)
	C	5.8 (8.2%)	0.4 (0.5%)	-0.3 (-0.4%)	-0.1 (-0.2%)
	AVG	4.4 (6.4%)	0.4 (0.5%)	0 (0%)	-0.4 (-0.6%)
SEP	W	3.3 (5%)	0.3 (0.5%)	0.9 (1.4%)	-0.3 (-0.4%)
	AN	4.1 (6.1%)	0.7 (0.9%)	0.4 (0.6%)	-0.7 (-1%)
	BN	3.6 (5.3%)	0.2 (0.3%)	-0.1 (-0.1%)	-0.3 (-0.4%)
	D	4.5 (6.6%)	-0.3 (-0.5%)	0.2 (0.3%)	0.1 (0.1%)
	C	4.4 (6.4%)	0.1 (0.1%)	-0.1 (-0.2%)	-0.1 (-0.1%)
	AVG	3.9 (5.8%)	0.2 (0.2%)	0.4 (0.5%)	-0.2 (-0.3%)
OCT	W	7.5 (12.7%)	-0.2 (-0.4%)	-0.4 (-0.6%)	0 (0%)
	AN	7.5 (12.6%)	0.1 (0.1%)	-0.3 (-0.5%)	0.2 (0.3%)
	BN	8.3 (14%)	0.1 (0.1%)	-1 (-1.5%)	0 (0.1%)
	D	6.9 (11.6%)	0.1 (0.2%)	-0.2 (-0.3%)	-0.3 (-0.4%)
	C	6.4 (10.3%)	0.2 (0.2%)	-0.4 (-0.6%)	-0.3 (-0.4%)
	AVG	7.4 (12.3%)	0 (0%)	-0.5 (-0.7%)	-0.1 (-0.1%)
NOV	W	3.4 (6.1%)	-0.2 (-0.3%)	0.1 (0.2%)	0 (0%)
	AN	3.5 (6.2%)	-0.1 (-0.2%)	0 (0%)	-0.1 (-0.1%)
	BN	3.9 (7%)	-0.1 (-0.2%)	0.2 (0.3%)	0.2 (0.3%)
	D	3.4 (6.1%)	0 (-0.1%)	-0.1 (-0.2%)	0.1 (0.2%)
	C	3.3 (5.8%)	-0.1 (-0.1%)	0.1 (0.2%)	0.2 (0.3%)
	AVG	3.5 (6.2%)	-0.1 (-0.2%)	0.1 (0.1%)	0.1 (0.1%)
DEC	W	2.4 (4.9%)	-0.1 (-0.1%)	0.2 (0.4%)	0.1 (0.2%)
	AN	2.6 (5.1%)	0 (0%)	0.1 (0.2%)	0 (-0.1%)
	BN	2.6 (5.3%)	0 (0%)	0.2 (0.4%)	0.1 (0.2%)
	D	2.4 (4.9%)	-0.1 (-0.1%)	0.1 (0.2%)	0.2 (0.4%)
	C	2.4 (4.9%)	0.1 (0.2%)	0.1 (0.2%)	0.1 (0.2%)
	AVG	2.5 (5%)	0 (0%)	0.2 (0.3%)	0.1 (0.2%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.4.17 American River at the Confluence with the Sacramento River

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4 Model Scenarios in the American River at the Confluence with the Sacramento River, Year-Round

Alternative 4: American River at the Confluence with the Sacramento River						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
JAN	W	47	50	50	50	50
	AN	46	49	49	49	49
	BN	46	48	49	48	48
	D	46	48	48	48	48
	C	46	49	49	49	49
	AVG	46	49	49	49	49
FEB	W	48	52	52	52	52
	AN	48	52	52	52	52
	BN	48	51	51	51	51
	D	49	52	53	52	52
	C	51	55	54	55	55
	AVG	49	52	52	52	52
MAR	W	53	56	56	56	56
	AN	53	56	56	56	56
	BN	54	56	56	56	56
	D	55	58	58	58	58
	C	56	59	59	59	59
	AVG	54	57	57	57	57
APR	W	57	60	60	60	60
	AN	58	61	61	61	61
	BN	59	62	62	62	62
	D	61	63	63	63	63
	C	62	64	64	65	64
	AVG	59	62	62	62	62
MAY	W	61	66	66	66	66
	AN	63	68	68	68	68
	BN	63	67	67	67	67
	D	66	69	68	68	68
	C	67	70	70	70	70
	AVG	64	67	67	67	67
JUN	W	65	69	68	68	69
	AN	68	71	70	70	71
	BN	68	71	69	70	70
	D	70	72	72	72	72
	C	70	74	73	74	73
	AVG	68	71	70	70	71

Alternative 4: American River at the Confluence with the Sacramento River						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
JUL	W	69	71	71	71	71
	AN	68	69	69	69	69
	BN	68	70	71	70	70
	D	69	72	73	73	73
	C	73	76	77	76	76
	AVG	69	72	72	72	72
AUG	W	69	73	73	73	73
	AN	69	73	73	73	72
	BN	70	73	74	74	73
	D	69	74	75	75	74
	C	72	77	77	77	77
	AVG	70	74	74	74	74
SEP	W	66	69	71	70	69
	AN	67	70	72	71	70
	BN	67	71	71	71	71
	D	68	72	72	72	72
	C	69	74	74	74	74
	AVG	67	71	72	71	71
OCT	W	60	67	66	66	67
	AN	60	67	67	67	67
	BN	60	67	66	67	67
	D	60	66	66	66	66
	C	62	67	67	68	67
	AVG	60	67	66	67	67
NOV	W	56	60	60	59	59
	AN	56	60	59	59	59
	BN	55	59	59	59	59
	D	56	59	59	59	59
	C	57	60	60	60	60
	AVG	56	59	59	59	59
DEC	W	49	52	52	52	52
	AN	49	52	52	52	52
	BN	48	51	51	51	51
	D	49	51	51	51	51
	C	48	50	50	50	50
	AVG	49	51	51	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River at the Confluence with the Sacramento River, Year-Round

Alternative 4: American River at the Confluence with the Sacramento River					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
JAN	W	3.1 (6.7%)	0 (0.1%)	0 (0%)	0 (0%)
	AN	2.7 (5.9%)	0 (0%)	0.1 (0.2%)	0 (0%)
	BN	2.9 (6.3%)	0 (0.1%)	0.1 (0.1%)	0 (0%)
	D	2.6 (5.6%)	-0.1 (-0.2%)	0 (0%)	0 (0.1%)
	C	3.1 (6.7%)	0.2 (0.4%)	-0.1 (-0.2%)	-0.1 (-0.2%)
	AVG	2.9 (6.3%)	0 (0%)	0 (0%)	0 (0%)
FEB	W	3.4 (7%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.7 (7.7%)	0 (0.1%)	-0.1 (-0.3%)	0 (0%)
	BN	3.1 (6.6%)	0.1 (0.1%)	-0.1 (-0.1%)	-0.1 (-0.1%)
	D	3.1 (6.2%)	0 (-0.1%)	0.1 (0.1%)	0 (0%)
	C	3.3 (6.3%)	0.1 (0.1%)	-0.2 (-0.4%)	-0.2 (-0.3%)
	AVG	3.3 (6.7%)	0 (0%)	0 (-0.1%)	0 (-0.1%)
MAR	W	2.9 (5.6%)	0 (0%)	0 (0%)	0 (0%)
	AN	2.8 (5.3%)	0 (0%)	0.1 (0.1%)	0 (0%)
	BN	2.5 (4.6%)	0 (0%)	0 (0%)	0.1 (0.1%)
	D	3.1 (5.6%)	0 (0%)	0 (-0.1%)	0 (0%)
	C	2.6 (4.7%)	0 (0.1%)	0 (0%)	0 (0%)
	AVG	2.8 (5.2%)	0 (0%)	0 (0%)	0 (0%)
APR	W	2.8 (4.9%)	0 (0%)	0 (0%)	0 (0%)
	AN	3 (5.2%)	0 (0%)	0 (0%)	0 (0%)
	BN	2.9 (4.9%)	0 (-0.1%)	0 (-0.1%)	0 (0%)
	D	2.5 (4.2%)	0 (-0.1%)	0 (0%)	0.1 (0.2%)
	C	2.9 (4.7%)	0.2 (0.4%)	-0.1 (-0.2%)	-0.2 (-0.2%)
	AVG	2.8 (4.8%)	0 (0%)	0 (0%)	0 (0%)
MAY	W	4.3 (7%)	-0.1 (-0.1%)	0 (0.1%)	0.1 (0.1%)
	AN	4.5 (7.2%)	-0.3 (-0.5%)	0 (0%)	0.2 (0.3%)
	BN	3.7 (5.9%)	-0.4 (-0.6%)	-0.1 (-0.1%)	0.5 (0.7%)
	D	2.4 (3.6%)	-0.6 (-0.9%)	0.2 (0.3%)	0.3 (0.5%)
	C	3.2 (4.8%)	0.1 (0.1%)	0 (0%)	-0.1 (-0.1%)
	AVG	3.6 (5.7%)	-0.3 (-0.4%)	0 (0.1%)	0.2 (0.3%)
JUN	W	2.9 (4.4%)	-0.8 (-1.2%)	-0.1 (-0.2%)	0.6 (0.9%)
	AN	2.1 (3.2%)	-0.9 (-1.2%)	0 (0%)	1.2 (1.7%)
	BN	2.2 (3.2%)	-0.9 (-1.3%)	-1 (-1.5%)	0.6 (0.9%)
	D	2 (2.9%)	-0.5 (-0.7%)	0.1 (0.2%)	0.7 (1%)
	C	3.7 (5.4%)	-0.1 (-0.2%)	-0.7 (-1%)	-0.6 (-0.8%)
	AVG	2.6 (3.8%)	-0.7 (-0.9%)	-0.3 (-0.4%)	0.5 (0.8%)
JUL	W	2.4 (3.6%)	0.1 (0.2%)	-0.1 (-0.1%)	-0.1 (-0.1%)
	AN	1.3 (1.9%)	0.3 (0.4%)	0 (0.1%)	0.2 (0.2%)
	BN	2.3 (3.4%)	0.3 (0.4%)	0.8 (1.1%)	0.1 (0.1%)
	D	4.2 (6.1%)	1.1 (1.5%)	-0.2 (-0.3%)	-0.7 (-1%)
	C	3.8 (5.2%)	0 (0%)	0.6 (0.7%)	0.1 (0.2%)
	AVG	2.9 (4.1%)	0.4 (0.5%)	0.2 (0.2%)	-0.1 (-0.2%)

Alternative 4: American River at the Confluence with the Sacramento River					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
AUG	W	4.5 (6.6%)	-0.1 (-0.1%)	0.1 (0.1%)	-0.3 (-0.3%)
	AN	3.3 (4.8%)	0 (-0.1%)	0 (0%)	-0.5 (-0.6%)
	BN	4.2 (6%)	1.3 (1.8%)	0 (0%)	-1 (-1.3%)
	D	5.3 (7.6%)	0.6 (0.8%)	0.1 (0.1%)	-0.5 (-0.6%)
	C	5.4 (7.5%)	0.3 (0.4%)	-0.2 (-0.2%)	-0.1 (-0.1%)
	AVG	4.6 (6.6%)	0.4 (0.5%)	0 (0%)	-0.4 (-0.6%)
SEP	W	3.5 (5.3%)	0.4 (0.5%)	1.1 (1.6%)	-0.3 (-0.5%)
	AN	4.2 (6.3%)	0.6 (0.8%)	0.5 (0.7%)	-0.7 (-1%)
	BN	3.9 (5.8%)	0.3 (0.4%)	-0.1 (-0.1%)	-0.3 (-0.4%)
	D	4.5 (6.6%)	-0.2 (-0.3%)	0.2 (0.2%)	0 (0%)
	C	4.2 (6%)	0 (0.1%)	-0.1 (-0.1%)	-0.1 (-0.1%)
	AVG	4 (5.9%)	0.2 (0.3%)	0.4 (0.6%)	-0.3 (-0.4%)
OCT	W	6.7 (11.3%)	-0.2 (-0.3%)	-0.3 (-0.5%)	0 (0%)
	AN	6.8 (11.4%)	0 (0%)	-0.3 (-0.4%)	0.1 (0.2%)
	BN	7.5 (12.5%)	0.1 (0.1%)	-0.9 (-1.3%)	0 (0%)
	D	6.2 (10.3%)	0.1 (0.2%)	-0.2 (-0.3%)	-0.3 (-0.4%)
	C	5.7 (9.3%)	0.2 (0.2%)	-0.3 (-0.4%)	-0.2 (-0.3%)
	AVG	6.6 (11%)	0 (0%)	-0.4 (-0.6%)	-0.1 (-0.1%)
NOV	W	3.3 (5.8%)	-0.2 (-0.3%)	0.1 (0.2%)	0 (0%)
	AN	3.4 (6%)	-0.1 (-0.2%)	0 (0%)	-0.1 (-0.2%)
	BN	3.7 (6.6%)	-0.2 (-0.3%)	0.1 (0.2%)	0.1 (0.2%)
	D	3.2 (5.7%)	-0.1 (-0.1%)	-0.1 (-0.2%)	0.2 (0.3%)
	C	3.2 (5.6%)	0 (-0.1%)	0.2 (0.3%)	0.2 (0.3%)
	AVG	3.3 (5.9%)	-0.1 (-0.2%)	0.1 (0.1%)	0.1 (0.1%)
DEC	W	2.4 (4.8%)	-0.1 (-0.2%)	0.2 (0.4%)	0.1 (0.2%)
	AN	2.5 (5.1%)	0 (0%)	0.1 (0.2%)	0 (-0.1%)
	BN	2.6 (5.3%)	0 (-0.1%)	0.3 (0.5%)	0.1 (0.2%)
	D	2.3 (4.7%)	0 (-0.1%)	0.1 (0.2%)	0.2 (0.4%)
	C	2.3 (4.8%)	0.1 (0.3%)	0.1 (0.1%)	0.1 (0.1%)
	AVG	2.4 (4.9%)	0 (0%)	0.2 (0.3%)	0.1 (0.2%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.4.18 Stanislaus River at Knights Ferry

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4 Model Scenarios in the Stanislaus River at Knights Ferry, Year-Round

Alternative 4: Stanislaus River at Knights Ferry						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
JAN	W	49	52	52	52	52
	AN	49	52	52	52	52
	BN	49	52	52	52	52
	D	48	51	51	51	51
	C	49	52	52	52	52
	AVG	49	52	52	52	52
FEB	W	49	52	52	52	52
	AN	49	52	52	52	52
	BN	49	52	52	52	52
	D	49	52	52	52	52
	C	50	53	53	53	53
	AVG	49	52	52	52	52
MAR	W	49	52	52	52	52
	AN	49	53	53	53	53
	BN	51	54	54	54	54
	D	51	54	54	54	54
	C	52	55	55	55	55
	AVG	50	54	54	54	54
APR	W	50	53	53	53	53
	AN	50	54	54	54	54
	BN	51	55	55	55	55
	D	52	55	55	55	55
	C	53	57	57	57	57
	AVG	51	54	54	54	54
MAY	W	51	55	55	55	55
	AN	53	56	56	56	56
	BN	54	57	57	57	57
	D	55	58	58	58	58
	C	56	59	59	59	59
	AVG	53	57	57	57	57
JUN	W	54	56	56	56	56
	AN	56	59	59	59	59
	BN	58	61	61	61	61
	D	59	63	63	63	63
	C	60	64	64	64	64
	AVG	57	60	60	60	60
JUL	W	57	59	59	59	59
	AN	59	62	62	62	62
	BN	60	63	63	63	63
	D	61	65	65	65	65
	C	62	66	66	66	66
	AVG	59	63	63	63	63

Alternative 4: Stanislaus River at Knights Ferry						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
AUG	W	58	61	61	61	61
	AN	60	63	63	63	63
	BN	60	64	64	64	64
	D	61	65	65	65	65
	C	62	67	67	67	67
	AVG	60	64	64	64	64
SEP	W	59	62	62	62	62
	AN	60	64	64	64	64
	BN	61	64	64	64	64
	D	62	65	65	65	65
	C	63	67	67	67	67
	AVG	61	64	64	64	64
OCT	W	59	62	62	62	62
	AN	59	62	62	62	62
	BN	59	62	62	62	62
	D	58	62	62	62	62
	C	60	64	64	64	64
	AVG	59	63	63	63	63
NOV	W	56	59	59	59	59
	AN	56	59	59	59	59
	BN	56	59	59	59	59
	D	56	59	59	59	59
	C	57	61	61	61	61
	AVG	56	60	60	60	60
DEC	W	52	55	55	55	55
	AN	52	55	55	55	55
	BN	51	54	54	54	54
	D	51	54	54	54	54
	C	52	55	55	55	55
	AVG	51	55	55	55	55

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Knights Ferry, Year-Round

Alternative 4: Stanislaus River at Knights Ferry					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
JAN	W	3.1 (6.3%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.1 (6.4%)	0 (0%)	0 (0%)	0 (0%)
	BN	3.1 (6.4%)	0 (0%)	0 (0%)	0 (0%)
	D	3 (6.3%)	0 (0%)	0 (0%)	0 (0%)
	C	3 (6.2%)	0 (0%)	0 (0%)	0 (0%)
	AVG	3.1 (6.3%)	0 (0%)	0 (0%)	0 (0%)
FEB	W	3.1 (6.4%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.2 (6.5%)	0 (0%)	0 (0%)	0 (0%)
	BN	3 (6.2%)	0 (0%)	0 (0%)	0 (0%)
	D	3.2 (6.5%)	0 (0%)	0 (0%)	0 (0%)
	C	3.1 (6.2%)	0 (0%)	0 (0%)	0 (0%)
	AVG	3.1 (6.4%)	0 (0%)	0 (0%)	0 (0%)
MAR	W	3.2 (6.6%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.6 (7.3%)	0 (0%)	0 (0%)	0 (0%)
	BN	3.1 (6.1%)	0 (0%)	0 (0%)	0 (0%)
	D	3.3 (6.5%)	0 (0%)	0 (0%)	0 (0%)
	C	3 (5.8%)	0 (0%)	0 (0%)	0 (0%)
	AVG	3.3 (6.5%)	0 (0%)	0 (0%)	0 (0%)
APR	W	3.1 (6.2%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.3 (6.6%)	0 (0%)	0 (0%)	0 (0%)
	BN	3.4 (6.6%)	0 (0%)	0 (0%)	0 (0%)
	D	3.5 (6.7%)	0 (0%)	0 (0%)	0 (0%)
	C	3.6 (6.7%)	0 (0%)	0 (0%)	0 (0%)
	AVG	3.3 (6.5%)	0 (0%)	0 (0%)	0 (0%)
MAY	W	3 (5.9%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.1 (5.9%)	0 (0%)	0 (0%)	0 (0%)
	BN	3.5 (6.5%)	0 (0%)	0 (0%)	0 (0%)
	D	3.4 (6.2%)	0 (0%)	0 (0%)	0 (0%)
	C	3.3 (5.9%)	0 (0%)	0 (0%)	0 (0%)
	AVG	3.2 (6.1%)	0 (0%)	0 (0%)	0 (0%)
JUN	W	2.6 (4.8%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.3 (6%)	0 (0%)	0 (0%)	0 (0%)
	BN	3.6 (6.3%)	0 (0%)	0 (0%)	0 (0%)
	D	3.8 (6.5%)	0 (0%)	0 (0%)	0 (0%)
	C	4.2 (7%)	0 (0.1%)	-0.1 (-0.1%)	-0.3 (-0.4%)
	AVG	3.4 (6%)	0 (0%)	0 (0%)	-0.1 (-0.1%)
JUL	W	2.5 (4.4%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.4 (5.7%)	0 (0%)	0 (0%)	0 (0%)
	BN	3.5 (5.9%)	0 (0%)	0 (0%)	0 (0%)
	D	3.7 (6.1%)	0 (0%)	0 (0%)	0 (0%)
	C	4.1 (6.6%)	0 (0%)	0 (0%)	0.4 (0.6%)
	AVG	3.3 (5.6%)	0 (0%)	0 (0%)	0.1 (0.1%)

Alternative 4: Stanislaus River at Knights Ferry					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
AUG	W	3.4 (5.8%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.4 (5.7%)	0 (0%)	0 (0%)	0 (0%)
	BN	3.5 (5.8%)	0 (0%)	0 (0%)	0 (0%)
	D	3.6 (5.8%)	0 (0%)	0 (0%)	0 (0%)
	C	4.3 (6.9%)	0 (0%)	0 (0%)	0 (0%)
	AVG	3.6 (6%)	0 (0%)	0 (0%)	0 (0%)
SEP	W	3.5 (6%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.6 (6%)	0 (0%)	0 (0%)	0 (0%)
	BN	3.6 (5.9%)	0 (0%)	0 (0%)	0 (0%)
	D	3.7 (6%)	0 (0%)	0 (0%)	0 (0%)
	C	4 (6.3%)	0.1 (0.1%)	0 (0%)	0.2 (0.3%)
	AVG	3.7 (6%)	0 (0%)	0 (0%)	0 (0.1%)
OCT	W	3.5 (5.9%)	0 (0%)	0 (0%)	0 (0%)
	AN	3 (5.1%)	0 (0%)	0 (0%)	0.2 (0.3%)
	BN	3.3 (5.6%)	0 (0%)	0 (0%)	0 (0%)
	D	3.4 (5.9%)	0 (0%)	0 (0%)	0 (0%)
	C	3.7 (6.1%)	0 (0%)	0 (0%)	-0.1 (-0.2%)
	AVG	3.4 (5.7%)	0 (0%)	0 (0%)	0 (0%)
NOV	W	3.3 (5.8%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.1 (5.5%)	0 (0%)	0 (0%)	0 (0%)
	BN	3.3 (5.8%)	0 (0%)	0 (0%)	0 (0%)
	D	3.4 (6%)	0 (0%)	0 (0%)	0 (0%)
	C	3.5 (6.1%)	0 (0%)	0 (0%)	0 (-0.1%)
	AVG	3.3 (5.8%)	0 (0%)	0 (0%)	0 (0%)
DEC	W	3.3 (6.5%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.1 (5.9%)	0 (0%)	0 (0%)	0 (-0.1%)
	BN	3.3 (6.4%)	0 (0%)	0 (0%)	0 (0%)
	D	3.2 (6.2%)	0 (0%)	0 (0%)	0 (0%)
	C	3.3 (6.4%)	0 (0%)	0 (0%)	0 (0%)
	AVG	3.2 (6.3%)	0 (0%)	0 (0%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.4.19 Stanislaus River at Orange Blossom Bridge

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4 Model Scenarios in the Stanislaus River at Orange Blossom Bridge, Year-Round

Alternative 4: Stanislaus River at Orange Blossom Bridge						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
JAN	W	48	51	51	51	51
	AN	48	51	51	51	51
	BN	48	51	51	51	51
	D	47	50	50	50	50
	C	48	51	51	51	51
	AVG	48	51	51	51	51
FEB	W	49	52	52	52	52
	AN	49	52	52	52	52
	BN	49	52	52	52	52
	D	49	52	52	52	52
	C	50	53	53	53	53
	AVG	49	52	52	52	52
MAR	W	49	53	53	53	53
	AN	50	54	54	54	54
	BN	52	55	55	55	55
	D	52	56	56	56	56
	C	53	56	56	56	56
	AVG	51	54	54	54	54
APR	W	50	53	53	53	53
	AN	51	54	54	54	54
	BN	52	56	56	56	56
	D	53	56	56	56	56
	C	55	58	58	58	58
	AVG	52	55	55	55	55
MAY	W	53	56	56	56	56
	AN	54	57	57	57	57
	BN	55	59	59	59	59
	D	56	60	60	60	60
	C	58	61	61	61	61
	AVG	55	58	58	58	58
JUN	W	56	58	58	58	58
	AN	58	62	62	62	62
	BN	60	64	64	64	64
	D	62	66	66	66	66
	C	63	67	67	67	67
	AVG	59	63	63	63	63
JUL	W	60	62	62	62	62
	AN	63	66	66	66	66
	BN	63	67	67	67	67
	D	64	68	68	68	68
	C	65	69	69	69	69
	AVG	63	66	66	66	66

Alternative 4: Stanislaus River at Orange Blossom Bridge						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
AUG	W	60	64	64	64	64
	AN	63	66	66	66	66
	BN	63	66	66	66	66
	D	64	68	68	68	68
	C	65	69	69	69	69
	AVG	63	66	66	66	66
SEP	W	60	64	64	64	64
	AN	63	66	66	66	66
	BN	63	67	67	67	67
	D	63	67	67	67	67
	C	64	68	68	68	68
	AVG	62	66	66	66	66
OCT	W	59	62	62	62	62
	AN	59	62	62	62	62
	BN	59	62	62	62	62
	D	59	62	62	62	62
	C	60	64	64	64	64
	AVG	59	62	62	62	63
NOV	W	55	58	58	58	58
	AN	55	58	58	58	58
	BN	55	58	58	58	58
	D	55	58	58	58	58
	C	56	59	59	59	59
	AVG	55	58	58	58	58
DEC	W	50	54	54	54	53
	AN	50	53	53	53	53
	BN	49	53	53	53	53
	D	50	52	52	52	52
	C	50	53	53	53	53
	AVG	50	53	53	53	53

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Orange Blossom Bridge, Year-Round

Alternative 4: Stanislaus River at Orange Blossom Bridge					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
JAN	W	3 (6.2%)	0 (0%)	0 (0%)	0 (0%)
	AN	3 (6.3%)	0 (0%)	0 (0%)	0 (0%)
	BN	2.9 (6.1%)	0 (0%)	0 (0%)	0 (0%)
	D	2.8 (5.9%)	0 (0%)	0 (0%)	0 (0%)
	C	2.8 (5.8%)	0 (0%)	0 (0%)	0 (0%)
	AVG	2.9 (6.1%)	0 (0%)	0 (0%)	0 (0%)
FEB	W	3.1 (6.3%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.1 (6.3%)	0 (0%)	0 (0%)	0 (0%)
	BN	3 (6%)	0 (0%)	0 (0%)	0 (0%)
	D	3.2 (6.5%)	0 (0%)	0 (0%)	0 (0%)
	C	3.2 (6.3%)	0 (0%)	0 (0%)	0 (0%)
	AVG	3.1 (6.3%)	0 (0%)	0 (0%)	0 (0%)
MAR	W	3.2 (6.4%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.7 (7.3%)	0 (0%)	0 (0%)	0 (0%)
	BN	3 (5.8%)	0 (0%)	0 (0%)	0 (0%)
	D	3.4 (6.6%)	0 (0%)	0 (0%)	0 (0%)
	C	3.1 (5.8%)	0 (0%)	0 (0%)	0 (0%)
	AVG	3.3 (6.4%)	0 (0%)	0 (0%)	0 (0%)
APR	W	3.1 (6.1%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.3 (6.5%)	0 (0%)	0 (0%)	0 (0%)
	BN	3.5 (6.7%)	0 (0%)	0 (0%)	0 (0%)
	D	3.6 (6.8%)	0 (0%)	0 (0%)	0 (0%)
	C	3.6 (6.6%)	0 (0%)	0 (0%)	0 (0%)
	AVG	3.4 (6.5%)	0 (0%)	0 (0%)	0 (0%)
MAY	W	3.2 (6%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.3 (6%)	0 (0%)	0 (0%)	0 (0%)
	BN	3.9 (7.1%)	0 (0%)	0 (0%)	0 (0%)
	D	3.6 (6.5%)	0 (0%)	0 (0%)	0 (0%)
	C	3.5 (6%)	0 (0%)	0 (0%)	0 (-0.1%)
	AVG	3.4 (6.2%)	0 (0%)	0 (0%)	0 (0%)
JUN	W	2.3 (4.1%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.8 (6.6%)	0 (0%)	0 (0%)	0 (0%)
	BN	3.9 (6.5%)	0 (0%)	0 (0%)	0 (0%)
	D	4.3 (6.9%)	0 (0%)	0 (0%)	0 (0%)
	C	4.2 (6.7%)	0.1 (0.2%)	-0.1 (-0.1%)	-0.2 (-0.3%)
	AVG	3.5 (6%)	0 (0%)	0 (0%)	0 (-0.1%)
JUL	W	2.1 (3.5%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.6 (5.7%)	0 (0%)	0 (0%)	0 (0%)
	BN	3.5 (5.6%)	0 (0%)	0 (0%)	0 (0%)
	D	3.8 (5.9%)	0 (0%)	0 (0%)	0 (0%)
	C	4 (6.2%)	0 (0%)	0 (0%)	0.3 (0.4%)
	AVG	3.2 (5.2%)	0 (0%)	0 (0%)	0.1 (0.1%)

Alternative 4: Stanislaus River at Orange Blossom Bridge					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
AUG	W	3.9 (6.4%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.5 (5.7%)	0 (0%)	0 (0%)	0 (0%)
	BN	3.5 (5.5%)	0 (0%)	0 (0%)	0 (0%)
	D	3.5 (5.5%)	0 (0%)	0 (0%)	0 (0%)
	C	4.2 (6.5%)	0 (0%)	0 (0%)	0 (0%)
	AVG	3.7 (6%)	0 (0%)	0 (0%)	0 (0%)
SEP	W	3.8 (6.3%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.9 (6.2%)	0 (0%)	0 (0%)	0 (0%)
	BN	3.7 (6%)	0 (0%)	0 (0%)	0 (0%)
	D	3.7 (5.9%)	0 (0%)	0 (0%)	0 (0%)
	C	3.9 (6%)	-0.1 (-0.1%)	0 (0%)	0.1 (0.2%)
	AVG	3.8 (6.1%)	0 (0%)	0 (0%)	0 (0%)
OCT	W	3.3 (5.6%)	0 (0%)	0 (0%)	0 (0%)
	AN	3 (5.1%)	0 (0%)	0 (0%)	0.1 (0.2%)
	BN	3.2 (5.4%)	0 (0%)	0 (0%)	0 (0%)
	D	3.4 (5.7%)	0 (0%)	0 (0%)	0 (0%)
	C	3.6 (5.9%)	0 (0%)	0 (0%)	0 (-0.1%)
	AVG	3.3 (5.6%)	0 (0%)	0 (0%)	0 (0%)
NOV	W	3.1 (5.7%)	0 (0%)	0 (0%)	0 (0%)
	AN	3 (5.5%)	0 (0%)	0 (0%)	0 (0%)
	BN	3.2 (5.8%)	0 (0%)	0 (0%)	0 (0%)
	D	3.2 (5.9%)	0 (0%)	0 (0%)	0 (0%)
	C	3.2 (5.7%)	0 (0%)	0 (0%)	0 (0%)
	AVG	3.1 (5.7%)	0 (0%)	0 (0%)	0 (0%)
DEC	W	3.2 (6.4%)	0 (0%)	0 (0%)	-0.1 (-0.1%)
	AN	2.9 (5.9%)	0 (0%)	0 (0%)	0 (0%)
	BN	3.3 (6.6%)	0 (0%)	0 (0%)	0 (0%)
	D	3 (6%)	0 (0%)	0 (0%)	0 (0%)
	C	3.1 (6.2%)	0 (0%)	0 (0%)	0 (0%)
	AVG	3.1 (6.2%)	0 (0%)	0 (0%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.4.20 Stanislaus River at Riverbank

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4 Model Scenarios in the Stanislaus River at Riverbank, Year-Round

Alternative 4: Stanislaus River at Riverbank						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
JAN	W	47	50	50	50	50
	AN	47	49	49	49	49
	BN	46	49	49	49	49
	D	45	48	48	48	48
	C	46	49	49	49	49
	AVG	46	49	49	49	49
FEB	W	49	52	52	52	52
	AN	50	53	53	53	53
	BN	50	52	52	52	52
	D	50	53	53	53	53
	C	51	54	54	54	54
	AVG	50	53	53	53	53
MAR	W	51	54	54	54	54
	AN	52	55	55	55	55
	BN	53	56	56	56	56
	D	54	57	57	57	57
	C	54	57	57	57	57
	AVG	52	56	56	56	56
APR	W	52	55	55	55	55
	AN	53	56	56	56	56
	BN	54	57	57	57	57
	D	54	58	58	58	58
	C	57	60	60	60	60
	AVG	54	57	57	57	57
MAY	W	56	59	59	59	59
	AN	57	60	60	60	60
	BN	58	62	62	62	62
	D	59	62	62	62	62
	C	60	64	64	64	64
	AVG	58	61	61	61	61
JUN	W	60	62	62	62	62
	AN	62	66	66	66	66
	BN	64	68	68	68	68
	D	66	70	70	70	70
	C	66	70	70	70	70
	AVG	63	67	67	67	67
JUL	W	65	67	67	67	67
	AN	68	71	71	71	71
	BN	68	71	71	71	71
	D	68	72	72	72	72
	C	68	72	72	72	72
	AVG	67	70	70	70	70

Alternative 4: Stanislaus River at Riverbank						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
AUG	W	65	69	69	69	69
	AN	67	70	70	70	70
	BN	67	70	70	70	70
	D	68	71	71	71	71
	C	67	71	71	71	71
	AVG	66	70	70	70	70
SEP	W	64	67	67	67	67
	AN	66	70	70	70	70
	BN	66	69	69	69	69
	D	66	70	70	70	70
	C	66	70	69	70	70
	AVG	65	69	69	69	69
OCT	W	59	63	63	63	63
	AN	59	62	62	62	62
	BN	59	62	62	62	62
	D	59	62	62	62	62
	C	61	64	64	64	64
	AVG	60	63	63	63	63
NOV	W	53	56	56	56	56
	AN	53	56	56	56	56
	BN	53	56	56	56	56
	D	53	56	56	56	56
	C	54	57	57	57	57
	AVG	53	56	56	56	56
DEC	W	48	51	51	51	51
	AN	48	50	50	50	50
	BN	47	50	50	50	50
	D	47	50	50	50	50
	C	47	50	50	50	50
	AVG	47	50	50	50	50

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Riverbank, Year-Round

Alternative 4: Stanislaus River at Riverbank					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
JAN	W	2.9 (6.3%)	0 (0%)	0 (0%)	0 (0%)
	AN	3 (6.4%)	0 (0%)	0 (0%)	0 (0%)
	BN	2.8 (6%)	0 (0%)	0 (0%)	0 (0%)
	D	2.5 (5.6%)	0 (0%)	0 (0%)	0 (0%)
	C	2.7 (5.8%)	0 (0%)	0 (0%)	0 (0%)
	AVG	2.8 (6%)	0 (0%)	0 (0%)	0 (0%)
FEB	W	2.9 (5.9%)	0 (0%)	0 (0%)	0 (0%)
	AN	2.9 (5.8%)	0 (0%)	0 (0%)	0 (0%)
	BN	2.7 (5.5%)	0 (0%)	0 (0%)	0 (0%)
	D	3 (6.1%)	0 (0%)	0 (0%)	0 (0%)
	C	3.1 (6%)	0 (0%)	0 (0%)	0 (0%)
	AVG	2.9 (5.9%)	0 (0%)	0 (0%)	0 (0%)
MAR	W	3 (5.9%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.6 (7%)	0 (0%)	0 (0%)	0 (0%)
	BN	2.8 (5.3%)	0 (0%)	0 (0%)	0 (0%)
	D	3.4 (6.4%)	0 (0%)	0 (0%)	0 (0%)
	C	3 (5.6%)	0 (0%)	0 (0%)	0 (0%)
	AVG	3.2 (6%)	0 (0%)	0 (0%)	0 (0%)
APR	W	3 (5.7%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.2 (6.1%)	0 (0%)	0 (0%)	0 (0%)
	BN	3.6 (6.6%)	0 (0%)	0 (0%)	0 (0%)
	D	3.6 (6.7%)	0 (0%)	0 (0%)	0 (0%)
	C	3.6 (6.3%)	0 (0%)	0 (0%)	0 (0%)
	AVG	3.3 (6.2%)	0 (0%)	0 (0%)	0 (0%)
MAY	W	3.2 (5.8%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.4 (6%)	0 (0%)	0 (0%)	0 (0%)
	BN	4.3 (7.4%)	0 (0%)	0 (0%)	0 (0%)
	D	3.9 (6.6%)	0 (0%)	0 (0%)	0 (0%)
	C	3.5 (5.8%)	0 (0%)	0 (0%)	0 (0%)
	AVG	3.6 (6.2%)	0 (0%)	0 (0%)	0 (0%)
JUN	W	2 (3.4%)	0 (0%)	0 (0%)	0 (0%)
	AN	4 (6.4%)	0 (0%)	0 (0%)	0 (0%)
	BN	3.7 (5.7%)	0 (0%)	0 (0%)	0 (0%)
	D	4 (6.1%)	0 (0%)	0 (0%)	0 (0%)
	C	3.7 (5.6%)	0.1 (0.1%)	0 (0%)	0 (-0.1%)
	AVG	3.3 (5.2%)	0 (0%)	0 (0%)	0 (0%)
JUL	W	1.8 (2.8%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.3 (4.8%)	0 (0%)	0 (0%)	0 (0%)
	BN	3.1 (4.6%)	0 (0%)	0 (0%)	0 (0%)
	D	3.6 (5.3%)	0 (0%)	0 (0%)	0 (0%)
	C	3.5 (5.1%)	0 (0%)	0 (0%)	0.1 (0.2%)
	AVG	2.9 (4.3%)	0 (0%)	0 (0%)	0 (0%)

Alternative 4: Stanislaus River at Riverbank					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
AUG	W	4.1 (6.4%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.4 (5.1%)	0 (0%)	0 (0%)	0 (0%)
	BN	3.2 (4.8%)	0 (0%)	0 (0%)	0 (0%)
	D	3.3 (4.9%)	0 (0%)	0 (0%)	0 (0%)
	C	3.8 (5.6%)	0 (0%)	0 (0%)	0 (0%)
	AVG	3.6 (5.5%)	0 (0%)	0 (0%)	0 (0%)
SEP	W	3.9 (6.2%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.9 (5.9%)	0 (0%)	0 (0%)	0 (0%)
	BN	3.7 (5.7%)	0 (0%)	0 (0%)	0 (0%)
	D	3.7 (5.6%)	0 (0%)	0 (0%)	0 (0%)
	C	3.6 (5.5%)	-0.2 (-0.2%)	0 (0%)	0 (0%)
	AVG	3.8 (5.8%)	0 (0%)	0 (0%)	0 (0%)
OCT	W	3.1 (5.3%)	0 (0%)	0 (0%)	0 (0%)
	AN	2.9 (4.9%)	0 (0%)	0 (0%)	0 (0.1%)
	BN	2.9 (4.9%)	0 (0%)	0 (0%)	0 (0%)
	D	3.1 (5.2%)	0 (0%)	0 (0%)	0 (0%)
	C	3.3 (5.5%)	0 (0%)	0 (0%)	0 (0%)
	AVG	3.1 (5.2%)	0 (0%)	0 (0%)	0 (0%)
NOV	W	3 (5.7%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.1 (5.9%)	0 (0%)	0 (0%)	0 (0%)
	BN	3.1 (5.8%)	0 (0%)	0 (0%)	0 (0%)
	D	3.1 (5.8%)	0 (0%)	0 (0%)	0 (0%)
	C	3 (5.6%)	0 (0%)	0 (0%)	0 (0%)
	AVG	3.1 (5.7%)	0 (0%)	0 (0%)	0 (0%)
DEC	W	3.1 (6.5%)	0 (0%)	0 (0%)	-0.1 (-0.2%)
	AN	2.9 (6.1%)	0 (0%)	0 (0%)	0 (0%)
	BN	3.3 (7%)	0 (0%)	0 (0%)	0 (0%)
	D	2.8 (5.9%)	0 (0%)	0 (0%)	0 (0%)
	C	2.9 (6.2%)	0 (0%)	0 (0%)	0 (0%)
	AVG	3 (6.4%)	0 (0%)	0 (0%)	0 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.4.21 Stanislaus River at the Confluence with the San Joaquin River

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4 Model Scenarios in the Stanislaus River at the Confluence with the San Joaquin River, Year-Round

Alternative 4: Stanislaus River at the Confluence with the San Joaquin River						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
JAN	W	46	49	49	49	49
	AN	46	49	49	49	49
	BN	46	49	49	49	49
	D	45	47	47	47	47
	C	45	48	48	48	48
	AVG	46	48	48	48	48
FEB	W	50	53	53	53	53
	AN	50	53	53	53	53
	BN	50	52	52	52	52
	D	50	53	53	53	53
	C	51	54	54	54	54
	AVG	50	53	53	53	53
MAR	W	52	55	55	55	55
	AN	53	56	56	56	56
	BN	54	57	57	57	57
	D	55	58	58	58	58
	C	55	58	58	58	58
	AVG	54	56	56	56	56
APR	W	54	57	57	57	57
	AN	55	58	58	58	58
	BN	56	60	60	60	60
	D	57	60	60	60	60
	C	59	62	62	62	62
	AVG	56	59	59	59	59
MAY	W	59	62	62	62	62
	AN	60	63	63	63	63
	BN	60	64	64	64	64
	D	61	65	65	65	65
	C	63	66	66	66	66
	AVG	60	64	64	64	64
JUN	W	62	65	65	65	65
	AN	65	69	69	69	69
	BN	66	70	70	70	70
	D	68	72	72	72	72
	C	68	71	71	71	71
	AVG	65	69	69	69	69

Alternative 4: Stanislaus River at the Confluence with the San Joaquin River						
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**H1**	**H3**	**H4**
JUL	W	68	70	70	70	70
	AN	70	73	73	73	73
	BN	70	73	73	73	73
	D	70	74	74	74	74
	C	70	73	73	73	73
	AVG	69	72	72	72	72
AUG	W	67	71	71	71	71
	AN	69	72	72	72	72
	BN	68	71	71	71	71
	D	69	72	72	72	72
	C	69	72	72	72	72
	AVG	68	72	72	72	72
SEP	W	65	69	69	69	69
	AN	67	71	71	71	71
	BN	67	70	70	70	70
	D	67	70	70	70	70
	C	67	70	70	70	70
	AVG	66	70	70	70	70
OCT	W	60	63	63	63	63
	AN	60	62	62	62	62
	BN	59	62	62	62	62
	D	59	62	62	62	62
	C	61	64	64	64	64
	AVG	60	63	63	63	63
NOV	W	53	56	56	56	56
	AN	52	55	55	55	55
	BN	52	55	55	55	55
	D	52	55	55	55	55
	C	53	56	56	56	56
	AVG	52	55	55	55	55
DEC	W	47	50	50	50	50
	AN	46	49	49	49	49
	BN	45	49	49	49	49
	D	45	48	48	48	48
	C	45	48	48	48	48
	AVG	46	49	49	49	49

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at the Confluence with the San Joaquin River, Year-Round

Alternative 4: Stanislaus River at the Confluence with the San Joaquin River					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
JAN	W	2.9 (6.3%)	0 (0%)	0 (0%)	0 (0%)
	AN	2.9 (6.4%)	0 (0%)	0 (0%)	0 (0%)
	BN	2.8 (6.1%)	0 (0%)	0 (0%)	0 (0%)
	D	2.5 (5.7%)	0 (0%)	0 (0%)	0 (0%)
	C	2.8 (6.1%)	0 (0%)	0 (0%)	0 (0%)
	AVG	2.8 (6.2%)	0 (0%)	0 (0%)	0 (0%)
FEB	W	2.8 (5.7%)	0 (0%)	0 (0%)	0 (0%)
	AN	2.8 (5.6%)	0 (0%)	0 (0%)	0 (0%)
	BN	2.6 (5.2%)	0 (0%)	0 (0%)	0 (0%)
	D	2.8 (5.6%)	0 (0%)	0 (0%)	0 (0%)
	C	2.9 (5.6%)	0 (0%)	0 (0%)	0 (0%)
	AVG	2.8 (5.6%)	0 (0%)	0 (0%)	0 (0%)
MAR	W	2.8 (5.5%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.3 (6.3%)	0 (0%)	0 (0%)	0 (0%)
	BN	2.6 (4.9%)	0 (0%)	0 (0%)	0 (0%)
	D	3.2 (5.8%)	0 (0%)	0 (0%)	0 (0%)
	C	2.8 (5.1%)	0 (0%)	0 (0%)	0 (0%)
	AVG	3 (5.5%)	0 (0%)	0 (0%)	0 (0%)
APR	W	2.8 (5.2%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.1 (5.6%)	0 (0%)	0 (0%)	0 (0%)
	BN	3.4 (6.1%)	0 (0%)	0 (0%)	0 (0%)
	D	3.5 (6.1%)	0 (0%)	0 (0%)	0 (0%)
	C	3.2 (5.5%)	0 (0%)	0 (0%)	0 (0%)
	AVG	3.2 (5.6%)	0 (0%)	0 (0%)	0 (0%)
MAY	W	3.1 (5.3%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.4 (5.7%)	0 (0%)	0 (0%)	0 (0%)
	BN	4.1 (6.8%)	0 (0%)	0 (0%)	0 (0%)
	D	3.7 (6%)	0 (0%)	0 (0%)	0 (0%)
	C	3.2 (5.1%)	0 (0%)	0 (0%)	0 (0%)
	AVG	3.4 (5.7%)	0 (0%)	0 (0%)	0 (0%)
JUN	W	2.3 (3.6%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.8 (5.8%)	0 (0%)	0 (0%)	0 (0%)
	BN	3.3 (5.1%)	0 (0%)	0 (0%)	0 (0%)
	D	3.4 (5%)	0 (0%)	0 (0%)	0 (0%)
	C	3.2 (4.7%)	0 (0%)	0.1 (0.1%)	0 (0%)
	AVG	3.1 (4.7%)	0 (0%)	0 (0%)	0 (0%)
JUL	W	2.3 (3.3%)	0 (0%)	0 (0%)	0 (0%)
	AN	3 (4.2%)	0 (0%)	0 (0%)	0 (0%)
	BN	2.8 (4%)	0 (0%)	0 (0%)	0 (0%)
	D	3.2 (4.5%)	0 (0%)	0 (0%)	0 (0%)
	C	3.1 (4.5%)	0 (0%)	0 (0%)	0.1 (0.1%)
	AVG	2.8 (4%)	0 (0%)	0 (0%)	0 (0%)

Alternative 4: Stanislaus River at the Confluence with the San Joaquin River					
Month	**WYT**	**EXISTING CONDITIONS vs. H3**	**NAA vs. H3**	**H3 vs. H1**	**H3 vs. H4**
AUG	W	4.1 (6.1%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.2 (4.7%)	0 (0%)	0 (0%)	0 (0%)
	BN	3.1 (4.5%)	0 (0%)	0 (0%)	0 (0%)
	D	3.1 (4.5%)	0 (0%)	0 (0%)	0 (0%)
	C	3.6 (5.2%)	0 (0%)	0 (0%)	0 (0%)
	AVG	3.5 (5.1%)	0 (0%)	0 (0%)	0 (0%)
SEP	W	3.9 (6%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.7 (5.6%)	0 (0%)	0 (0%)	0 (0%)
	BN	3.7 (5.5%)	0 (0%)	0 (0%)	0 (0%)
	D	3.7 (5.5%)	0 (0%)	0 (0%)	0 (0%)
	C	3.5 (5.3%)	-0.2 (-0.2%)	0 (0%)	0 (0%)
	AVG	3.7 (5.6%)	0 (0%)	0 (0%)	0 (0%)
OCT	W	3 (5%)	0 (0%)	0 (0%)	0 (0%)
	AN	2.8 (4.8%)	0 (0%)	0 (0%)	0 (0%)
	BN	2.7 (4.5%)	0 (0%)	0 (0%)	0 (0%)
	D	2.9 (4.9%)	0 (0%)	0 (0%)	0 (0%)
	C	3.2 (5.3%)	0 (0%)	0 (0%)	0 (0%)
	AVG	2.9 (4.9%)	0 (0%)	0 (0%)	0 (0%)
NOV	W	3 (5.8%)	0 (0%)	0 (0%)	0 (0%)
	AN	3.2 (6%)	0 (0%)	0 (0%)	0 (0%)
	BN	3.1 (5.9%)	0 (0%)	0 (0%)	0 (0%)
	D	3.1 (5.9%)	0 (0%)	0 (0%)	0 (0%)
	C	2.9 (5.6%)	0 (0%)	0 (0%)	0 (0%)
	AVG	3.1 (5.8%)	0 (0%)	0 (0%)	0 (0%)
DEC	W	3.1 (6.6%)	0 (0.1%)	0 (0%)	-0.1 (-0.2%)
	AN	2.9 (6.2%)	0 (0%)	0 (0%)	0 (0%)
	BN	3.2 (7.1%)	0 (0%)	0 (0%)	0 (0%)
	D	2.8 (6.1%)	0 (0%)	0 (0%)	0 (0%)
	C	2.9 (6.4%)	0 (0%)	0 (0%)	0 (0%)
	AVG	3 (6.5%)	0 (0%)	0 (0%)	0 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.5 Alternative 5

11D.5.1 Sacramento River at Keswick

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 5 Model Scenarios in the Sacramento River at Keswick, Year-Round

Alternative 5: Sacramento River at Keswick				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
JAN	W	46	47	47
	AN	46	48	48
	BN	47	48	48
	D	47	48	48
	C	47	48	48
	AVG	46	48	48
FEB	W	45	47	47
	AN	46	47	47
	BN	46	47	47
	D	46	48	48
	C	46	48	48
	AVG	46	47	47
MAR	W	46	47	47
	AN	46	48	48
	BN	47	48	48
	D	47	49	49
	C	48	50	50
	AVG	47	48	48
APR	W	47	49	49
	AN	48	50	50
	BN	48	50	50
	D	48	50	50
	C	49	51	51
	AVG	48	50	50
MAY	W	49	50	50
	AN	49	51	50
	BN	49	51	51
	D	49	51	51
	C	51	53	53
	AVG	49	51	51
JUN	W	50	51	51
	AN	50	51	51
	BN	50	51	51
	D	50	52	52
	C	53	55	55
	AVG	50	52	52

Alternative 5: Sacramento River at Keswick				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
JUL	W	51	52	52
	AN	51	52	52
	BN	51	52	52
	D	51	54	54
	C	54	59	59
	AVG	51	53	54
AUG	W	52	54	54
	AN	52	54	54
	BN	52	54	55
	D	53	56	56
	C	57	64	64
	AVG	53	56	56
SEP	W	53	55	55
	AN	54	56	56
	BN	54	56	57
	D	55	59	59
	C	60	66	66
	AVG	55	58	58
OCT	W	54	57	57
	AN	54	57	57
	BN	54	57	58
	D	55	58	59
	C	56	60	60
	AVG	54	58	58
NOV	W	53	55	55
	AN	52	55	55
	BN	53	55	56
	D	53	56	56
	C	54	56	56
	AVG	53	55	55
DEC	W	49	50	50
	AN	49	51	51
	BN	50	52	52
	D	50	52	52
	C	51	52	52
	AVG	50	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Keswick, Year-Round

Alternative 5: Sacramento River at Keswick			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
JAN	W	1.3 (2.8%)	0 (-0.1%)
	AN	1.4 (3.1%)	0 (0%)
	BN	1.7 (3.7%)	0 (0.1%)
	D	1.6 (3.3%)	-0.1 (-0.1%)
	C	1.7 (3.8%)	0 (-0.1%)
	AVG	1.5 (3.3%)	0 (-0.1%)
FEB	W	1.5 (3.4%)	0 (0%)
	AN	1.6 (3.5%)	0 (0%)
	BN	1.5 (3.3%)	0 (-0.1%)
	D	1.7 (3.7%)	0 (0%)
	C	1.8 (3.8%)	0 (0%)
	AVG	1.6 (3.5%)	0 (0%)
MAR	W	1.5 (3.2%)	0 (0%)
	AN	1.7 (3.6%)	0 (0.1%)
	BN	1.5 (3.2%)	-0.1 (-0.1%)
	D	1.6 (3.5%)	0 (-0.1%)
	C	1.8 (3.7%)	-0.2 (-0.3%)
	AVG	1.6 (3.4%)	0 (-0.1%)
APR	W	1.6 (3.4%)	0 (-0.1%)
	AN	1.7 (3.5%)	0 (-0.1%)
	BN	1.4 (2.8%)	0 (0%)
	D	1.5 (3.1%)	-0.1 (-0.1%)
	C	2.1 (4.2%)	0 (-0.1%)
	AVG	1.6 (3.4%)	0 (-0.1%)
MAY	W	1.7 (3.4%)	-0.1 (-0.2%)
	AN	1.2 (2.5%)	-0.1 (-0.2%)
	BN	1.5 (2.9%)	0.1 (0.2%)
	D	1.4 (2.9%)	-0.1 (-0.2%)
	C	2.1 (4.1%)	0.1 (0.1%)
	AVG	1.6 (3.2%)	0 (-0.1%)
JUN	W	0.9 (1.7%)	-0.1 (-0.2%)
	AN	1.1 (2.2%)	-0.1 (-0.2%)
	BN	1.1 (2.3%)	-0.1 (-0.2%)
	D	1.9 (3.8%)	0 (0.1%)
	C	2.3 (4.5%)	0.2 (0.4%)
	AVG	1.4 (2.8%)	0 (0%)
JUL	W	1 (2%)	0.1 (0.2%)
	AN	1.5 (2.9%)	0.1 (0.2%)
	BN	1.6 (3.1%)	0.2 (0.4%)
	D	2.8 (5.4%)	0.4 (0.8%)
	C	4.7 (8.6%)	-0.5 (-0.8%)
	AVG	2.1 (4.1%)	0.1 (0.2%)

Alternative 5: Sacramento River at Keswick			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
AUG	W	2 (3.8%)	0 (0%)
	AN	2.1 (3.9%)	0.2 (0.3%)
	BN	2.7 (5.3%)	0.4 (0.7%)
	D	3.1 (5.9%)	0.1 (0.2%)
	C	7 (12.4%)	-0.5 (-0.8%)
	AVG	3.1 (5.9%)	0 (0.1%)
SEP	W	1.9 (3.6%)	0.3 (0.5%)
	AN	2.4 (4.6%)	0.2 (0.4%)
	BN	3.5 (6.6%)	0.9 (1.5%)
	D	4.1 (7.5%)	-0.3 (-0.5%)
	C	5.6 (9.3%)	-0.3 (-0.5%)
	AVG	3.3 (6%)	0.1 (0.3%)
OCT	W	3.3 (6.2%)	0.3 (0.5%)
	AN	3.3 (6.2%)	0.6 (1%)
	BN	3.5 (6.4%)	0.4 (0.8%)
	D	3.8 (6.9%)	0.3 (0.5%)
	C	3.6 (6.5%)	-0.1 (-0.2%)
	AVG	3.5 (6.4%)	0.3 (0.5%)
NOV	W	2.3 (4.5%)	0.1 (0.2%)
	AN	2.4 (4.6%)	0.2 (0.4%)
	BN	2.7 (5.1%)	0.3 (0.5%)
	D	2.5 (4.7%)	0.2 (0.3%)
	C	2.4 (4.5%)	-0.1 (-0.1%)
	AVG	2.5 (4.6%)	0.1 (0.2%)
DEC	W	1.2 (2.5%)	0 (0%)
	AN	1.7 (3.5%)	0 (-0.1%)
	BN	2 (3.9%)	-0.1 (-0.1%)
	D	1.9 (3.9%)	0 (0%)
	C	1.9 (3.7%)	-0.1 (-0.2%)
	AVG	1.7 (3.4%)	0 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.5.2 Sacramento River at Jelly's Ferry

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 5 Model Scenarios in the Sacramento River at Jelly's Ferry, Year-Round

Alternative 5: Sacramento River at Jelly's Ferry				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
JAN	W	45	47	47
	AN	45	47	47
	BN	45	46	47
	D	45	47	47
	C	45	47	47
	AVG	45	47	47
FEB	W	46	47	47
	AN	46	48	48
	BN	46	48	48
	D	46	48	48
	C	47	49	49
	AVG	46	48	48
MAR	W	48	49	49
	AN	49	51	51
	BN	49	51	51
	D	50	51	51
	C	50	52	52
	AVG	49	51	51
APR	W	51	53	53
	AN	53	55	55
	BN	53	54	54
	D	52	54	54
	C	52	54	54
	AVG	52	54	54
MAY	W	54	57	57
	AN	55	57	56
	BN	54	57	57
	D	54	56	55
	C	55	57	57
	AVG	54	57	56
JUN	W	55	56	56
	AN	55	56	56
	BN	54	56	56
	D	54	56	56
	C	56	58	58
	AVG	55	56	56
JUL	W	56	57	57
	AN	55	56	56
	BN	55	56	57
	D	55	57	58
	C	57	62	62
	AVG	55	57	58

Alternative 5: Sacramento River at Jelly's Ferry				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
AUG	W	56	59	58
	AN	56	58	58
	BN	56	58	59
	D	56	59	60
	C	59	67	66
	AVG	57	60	60
SEP	W	56	57	57
	AN	57	59	59
	BN	57	60	61
	D	58	63	63
	C	61	67	66
	AVG	58	61	61
OCT	W	54	57	57
	AN	54	57	58
	BN	55	57	58
	D	55	58	58
	C	56	60	60
	AVG	55	58	58
NOV	W	51	53	53
	AN	51	53	53
	BN	51	54	54
	D	51	54	54
	C	52	55	54
	AVG	51	53	53
DEC	W	47	48	48
	AN	47	48	48
	BN	47	49	49
	D	47	49	49
	C	47	49	49
	AVG	47	48	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Jelly's Ferry, Year-Round

Alternative 5: Sacramento River at Jelly's Ferry			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
JAN	W	1.4 (3.2%)	0 (0%)
	AN	1.5 (3.4%)	0 (0%)
	BN	1.8 (4%)	0.1 (0.2%)
	D	1.8 (4%)	-0.1 (-0.1%)
	C	2.1 (4.6%)	-0.1 (-0.2%)
	AVG	1.7 (3.7%)	0 (0%)
FEB	W	1.6 (3.4%)	0 (0%)
	AN	1.6 (3.4%)	0 (0%)
	BN	1.7 (3.6%)	0 (0%)
	D	1.9 (4%)	0 (0%)
	C	2 (4.2%)	0 (0%)
	AVG	1.7 (3.7%)	0 (0%)
MAR	W	1.4 (3%)	0 (0%)
	AN	1.6 (3.2%)	0 (0%)
	BN	1.7 (3.4%)	0 (0%)
	D	1.7 (3.3%)	0 (0%)
	C	1.6 (3.3%)	-0.2 (-0.3%)
	AVG	1.6 (3.2%)	0 (0%)
APR	W	1.8 (3.5%)	0 (0%)
	AN	1.8 (3.4%)	-0.1 (-0.2%)
	BN	1.6 (3.1%)	-0.1 (-0.2%)
	D	1.7 (3.3%)	-0.1 (-0.2%)
	C	2 (3.8%)	-0.1 (-0.1%)
	AVG	1.8 (3.4%)	-0.1 (-0.1%)
MAY	W	2.8 (5.1%)	-0.1 (-0.3%)
	AN	1.2 (2.2%)	-0.5 (-0.8%)
	BN	2 (3.8%)	-0.1 (-0.1%)
	D	1.4 (2.5%)	-0.4 (-0.8%)
	C	2 (3.6%)	0 (0%)
	AVG	2 (3.7%)	-0.2 (-0.4%)
JUN	W	1.1 (2%)	-0.3 (-0.6%)
	AN	1.1 (2%)	-0.2 (-0.4%)
	BN	1.2 (2.3%)	-0.3 (-0.6%)
	D	1.8 (3.3%)	-0.2 (-0.3%)
	C	2.4 (4.2%)	0.3 (0.6%)
	AVG	1.5 (2.7%)	-0.2 (-0.3%)
JUL	W	1 (1.9%)	0.1 (0.1%)
	AN	1.5 (2.7%)	0 (0.1%)
	BN	1.8 (3.3%)	0.1 (0.3%)
	D	2.8 (5.1%)	0.4 (0.7%)
	C	4.7 (8.1%)	-0.4 (-0.6%)
	AVG	2.2 (3.9%)	0.1 (0.2%)

Alternative 5: Sacramento River at Jelly's Ferry			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
AUG	W	2.4 (4.2%)	-0.1 (-0.2%)
	AN	2.1 (3.8%)	0.2 (0.4%)
	BN	3 (5.4%)	0.4 (0.6%)
	D	3.7 (6.5%)	0.6 (1%)
	C	6.8 (11.5%)	-0.3 (-0.5%)
	AVG	3.4 (6%)	0.1 (0.2%)
SEP	W	1.3 (2.4%)	0.1 (0.2%)
	AN	1.5 (2.7%)	0.2 (0.4%)
	BN	3.9 (6.9%)	1.1 (1.8%)
	D	4.8 (8.2%)	-0.1 (-0.2%)
	C	5 (8.1%)	-0.3 (-0.5%)
	AVG	3.1 (5.4%)	0.2 (0.3%)
OCT	W	3 (5.6%)	0.2 (0.3%)
	AN	3.1 (5.6%)	0.5 (0.9%)
	BN	3.2 (5.9%)	0.3 (0.5%)
	D	3.3 (6%)	0.1 (0.2%)
	C	3.3 (5.9%)	-0.1 (-0.1%)
	AVG	3.2 (5.8%)	0.2 (0.3%)
NOV	W	2.3 (4.5%)	0 (-0.1%)
	AN	2.2 (4.3%)	0 (0%)
	BN	2.5 (4.9%)	0 (0%)
	D	2.3 (4.4%)	0 (0%)
	C	2.3 (4.3%)	-0.1 (-0.2%)
	AVG	2.3 (4.5%)	0 (-0.1%)
DEC	W	1.1 (2.3%)	-0.1 (-0.2%)
	AN	1.8 (3.9%)	0 (0%)
	BN	1.9 (4%)	0 (-0.1%)
	D	2 (4.3%)	0.1 (0.2%)
	C	1.9 (4.1%)	0 (0%)
	AVG	1.7 (3.5%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.5.3 Sacramento River at Bend Bridge

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 5 Model Scenarios in the Sacramento River at Bend Bridge, Year-Round

Alternative 5: Sacramento River at Bend Bridge				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
JAN	W	45	47	47
	AN	45	47	47
	BN	45	46	46
	D	45	47	47
	C	45	47	47
	AVG	45	47	47
FEB	W	46	47	47
	AN	46	48	48
	BN	46	48	48
	D	46	48	48
	C	47	49	49
	AVG	46	48	48
MAR	W	48	50	50
	AN	49	51	51
	BN	49	51	51
	D	50	52	52
	C	50	52	52
	AVG	49	51	51
APR	W	51	53	53
	AN	53	55	55
	BN	53	55	55
	D	53	55	55
	C	52	54	54
	AVG	52	54	54
MAY	W	54	57	57
	AN	55	57	57
	BN	55	57	57
	D	55	56	56
	C	55	57	57
	AVG	55	57	57
JUN	W	56	57	57
	AN	55	57	56
	BN	55	57	56
	D	55	57	57
	C	57	59	59
	AVG	55	57	57
JUL	W	56	57	57
	AN	55	57	57
	BN	55	57	57
	D	56	58	58
	C	58	63	63
	AVG	56	58	58

Alternative 5: Sacramento River at Bend Bridge				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
AUG	W	57	59	59
	AN	57	59	59
	BN	56	59	59
	D	57	60	61
	C	60	67	67
	AVG	57	60	61
SEP	W	57	58	58
	AN	58	59	59
	BN	58	60	62
	D	58	63	63
	C	62	67	67
	AVG	58	61	61
OCT	W	54	57	57
	AN	55	57	58
	BN	55	58	58
	D	55	58	58
	C	56	60	60
	AVG	55	58	58
NOV	W	51	53	53
	AN	51	53	53
	BN	51	53	53
	D	51	54	54
	C	52	54	54
	AVG	51	53	53
DEC	W	47	48	48
	AN	46	48	48
	BN	47	49	49
	D	46	48	49
	C	47	49	49
	AVG	47	48	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Bend Bridge, Year-Round

Alternative 5: Sacramento River at Bend Bridge			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
JAN	W	1.5 (3.2%)	0 (0%)
	AN	1.6 (3.5%)	0 (0%)
	BN	1.8 (4.1%)	0.1 (0.2%)
	D	1.8 (4.1%)	-0.1 (-0.1%)
	C	2.1 (4.8%)	-0.1 (-0.2%)
	AVG	1.7 (3.8%)	0 (0%)
FEB	W	1.6 (3.4%)	0 (0%)
	AN	1.6 (3.5%)	0 (0%)
	BN	1.7 (3.7%)	0 (0%)
	D	1.9 (4.1%)	0 (0%)
	C	2 (4.3%)	0 (0%)
	AVG	1.7 (3.8%)	0 (0%)
MAR	W	1.5 (3%)	0 (0%)
	AN	1.6 (3.2%)	0 (0%)
	BN	1.7 (3.5%)	0 (0%)
	D	1.7 (3.4%)	0 (0%)
	C	1.7 (3.3%)	-0.2 (-0.3%)
	AVG	1.6 (3.3%)	0 (0%)
APR	W	1.8 (3.5%)	0 (0%)
	AN	1.8 (3.4%)	-0.1 (-0.2%)
	BN	1.7 (3.2%)	-0.1 (-0.2%)
	D	1.8 (3.4%)	-0.1 (-0.2%)
	C	2 (3.8%)	-0.1 (-0.1%)
	AVG	1.8 (3.4%)	-0.1 (-0.1%)
MAY	W	2.8 (5.2%)	-0.1 (-0.3%)
	AN	1.2 (2.2%)	-0.5 (-0.8%)
	BN	2.1 (3.8%)	-0.1 (-0.2%)
	D	1.4 (2.5%)	-0.5 (-0.8%)
	C	2 (3.5%)	0 (0%)
	AVG	2 (3.7%)	-0.2 (-0.4%)
JUN	W	1.1 (2%)	-0.3 (-0.6%)
	AN	1.1 (2.1%)	-0.3 (-0.4%)
	BN	1.3 (2.3%)	-0.4 (-0.6%)
	D	1.8 (3.2%)	-0.2 (-0.3%)
	C	2.4 (4.2%)	0.4 (0.6%)
	AVG	1.5 (2.7%)	-0.2 (-0.3%)
JUL	W	1.1 (1.9%)	0.1 (0.1%)
	AN	1.5 (2.7%)	0 (0.1%)
	BN	1.8 (3.3%)	0.1 (0.2%)
	D	2.8 (5.1%)	0.4 (0.7%)
	C	4.7 (8%)	-0.3 (-0.5%)
	AVG	2.2 (3.9%)	0.1 (0.2%)

Alternative 5: Sacramento River at Bend Bridge			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
AUG	W	2.4 (4.3%)	-0.2 (-0.3%)
	AN	2.2 (3.8%)	0.2 (0.4%)
	BN	3.1 (5.4%)	0.4 (0.6%)
	D	3.8 (6.6%)	0.7 (1.1%)
	C	6.8 (11.3%)	-0.3 (-0.4%)
	AVG	3.4 (6%)	0.2 (0.2%)
SEP	W	1.3 (2.3%)	0.1 (0.1%)
	AN	1.5 (2.5%)	0.2 (0.4%)
	BN	4 (6.9%)	1.1 (1.8%)
	D	4.8 (8.3%)	-0.1 (-0.1%)
	C	4.9 (8%)	-0.3 (-0.5%)
	AVG	3.1 (5.3%)	0.2 (0.3%)
OCT	W	3 (5.5%)	0.2 (0.3%)
	AN	3 (5.6%)	0.5 (0.8%)
	BN	3.2 (5.9%)	0.3 (0.5%)
	D	3.2 (5.9%)	0.1 (0.2%)
	C	3.3 (5.9%)	-0.1 (-0.1%)
	AVG	3.1 (5.7%)	0.2 (0.3%)
NOV	W	2.3 (4.5%)	0 (-0.1%)
	AN	2.2 (4.4%)	0 (-0.1%)
	BN	2.5 (4.9%)	0 (-0.1%)
	D	2.3 (4.5%)	0 (0%)
	C	2.3 (4.4%)	-0.1 (-0.2%)
	AVG	2.3 (4.5%)	0 (-0.1%)
DEC	W	1.1 (2.4%)	-0.1 (-0.2%)
	AN	1.8 (4%)	0 (0%)
	BN	1.9 (4.1%)	0 (-0.1%)
	D	2.1 (4.5%)	0.1 (0.3%)
	C	2 (4.2%)	0 (0%)
	AVG	1.7 (3.6%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.5.4 Sacramento River at Red Bluff Diversion Dam

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 5 Model Scenarios in the Sacramento River at Red Bluff Diversion Dam, Year-Round

Alternative 5: Sacramento River at Red Bluff Diversion Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
JAN	W	45	46	46
	AN	45	47	47
	BN	44	46	46
	D	44	46	46
	C	44	47	47
	AVG	45	46	46
FEB	W	46	47	47
	AN	46	48	48
	BN	46	48	48
	D	46	48	48
	C	47	49	49
	AVG	46	48	48
MAR	W	48	50	50
	AN	49	51	51
	BN	49	51	51
	D	50	52	52
	C	51	53	52
	AVG	49	51	51
APR	W	52	54	54
	AN	53	55	55
	BN	54	55	55
	D	54	55	55
	C	53	55	55
	AVG	53	55	55
MAY	W	55	58	58
	AN	56	58	58
	BN	56	58	58
	D	56	58	57
	C	57	59	59
	AVG	56	58	58
JUN	W	57	59	58
	AN	57	58	58
	BN	57	58	58
	D	57	59	59
	C	58	60	60
	AVG	57	59	59
JUL	W	58	59	59
	AN	57	59	59
	BN	57	59	59
	D	57	60	60
	C	60	64	64
	AVG	58	60	60

Alternative 5: Sacramento River at Red Bluff Diversion Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
AUG	W	58	61	61
	AN	59	61	61
	BN	58	61	61
	D	59	62	62
	C	61	68	68
	AVG	59	62	62
SEP	W	58	59	59
	AN	59	60	61
	BN	59	62	63
	D	59	64	64
	C	63	68	67
	AVG	59	62	62
OCT	W	55	57	58
	AN	55	57	58
	BN	55	58	58
	D	55	59	59
	C	56	60	60
	AVG	55	58	58
NOV	W	50	53	53
	AN	50	53	53
	BN	51	53	53
	D	51	53	53
	C	52	54	54
	AVG	51	53	53
DEC	W	46	48	48
	AN	46	48	48
	BN	46	48	48
	D	46	48	48
	C	46	48	48
	AVG	46	48	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Red Bluff Diversion Dam, Year-Round

Alternative 5: Sacramento River at Red Bluff Diversion Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
JAN	W	1.5 (3.3%)	0 (0%)
	AN	1.6 (3.6%)	0 (0%)
	BN	1.9 (4.2%)	0.1 (0.2%)
	D	1.9 (4.3%)	-0.1 (-0.1%)
	C	2.2 (5%)	-0.1 (-0.2%)
	AVG	1.8 (4%)	0 (0%)
FEB	W	1.6 (3.5%)	0 (0%)
	AN	1.6 (3.6%)	0 (0%)
	BN	1.8 (3.8%)	0 (0%)
	D	2 (4.2%)	0 (0%)
	C	2.1 (4.5%)	0 (0%)
	AVG	1.8 (3.9%)	0 (0%)
MAR	W	1.5 (3.1%)	0 (0%)
	AN	1.6 (3.3%)	0 (0%)
	BN	1.8 (3.6%)	0 (0%)
	D	1.7 (3.4%)	0 (0%)
	C	1.7 (3.4%)	-0.2 (-0.3%)
	AVG	1.6 (3.3%)	0 (0%)
APR	W	1.8 (3.5%)	0 (0%)
	AN	1.9 (3.5%)	-0.1 (-0.2%)
	BN	1.7 (3.2%)	-0.1 (-0.2%)
	D	1.8 (3.4%)	-0.1 (-0.2%)
	C	2 (3.7%)	-0.1 (-0.1%)
	AVG	1.8 (3.5%)	-0.1 (-0.1%)
MAY	W	2.9 (5.3%)	-0.1 (-0.3%)
	AN	1.3 (2.3%)	-0.5 (-0.9%)
	BN	2.2 (3.9%)	-0.1 (-0.2%)
	D	1.4 (2.5%)	-0.5 (-0.9%)
	C	2 (3.5%)	0 (0%)
	AVG	2.1 (3.7%)	-0.2 (-0.4%)
JUN	W	1.3 (2.2%)	-0.4 (-0.6%)
	AN	1.2 (2.2%)	-0.3 (-0.5%)
	BN	1.4 (2.4%)	-0.4 (-0.7%)
	D	1.8 (3.2%)	-0.2 (-0.4%)
	C	2.4 (4.1%)	0.4 (0.6%)
	AVG	1.6 (2.8%)	-0.2 (-0.4%)
JUL	W	1.2 (2%)	0.1 (0.1%)
	AN	1.5 (2.7%)	0 (0%)
	BN	1.9 (3.4%)	0.1 (0.2%)
	D	2.8 (5%)	0.4 (0.6%)
	C	4.6 (7.7%)	-0.3 (-0.4%)
	AVG	2.2 (3.8%)	0.1 (0.1%)

Alternative 5: Sacramento River at Red Bluff Diversion Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
AUG	W	2.6 (4.4%)	-0.2 (-0.3%)
	AN	2.3 (3.8%)	0.2 (0.4%)
	BN	3.1 (5.4%)	0.4 (0.6%)
	D	3.9 (6.7%)	0.8 (1.3%)
	C	6.7 (11%)	-0.2 (-0.3%)
	AVG	3.5 (6%)	0.2 (0.3%)
SEP	W	1.2 (2.1%)	0 (0%)
	AN	1.3 (2.3%)	0.2 (0.4%)
	BN	4.1 (7%)	1.1 (1.8%)
	D	5 (8.4%)	0 (0%)
	C	4.9 (7.8%)	-0.4 (-0.5%)
	AVG	3.1 (5.2%)	0.2 (0.3%)
OCT	W	3 (5.4%)	0.2 (0.3%)
	AN	3 (5.5%)	0.4 (0.8%)
	BN	3.2 (5.8%)	0.2 (0.4%)
	D	3.2 (5.7%)	0.1 (0.1%)
	C	3.3 (5.9%)	0 (-0.1%)
	AVG	3.1 (5.6%)	0.2 (0.3%)
NOV	W	2.3 (4.6%)	0 (-0.1%)
	AN	2.3 (4.5%)	0 (-0.1%)
	BN	2.5 (5%)	-0.1 (-0.1%)
	D	2.3 (4.6%)	0 (0%)
	C	2.3 (4.5%)	-0.1 (-0.2%)
	AVG	2.4 (4.6%)	-0.1 (-0.1%)
DEC	W	1.2 (2.5%)	-0.1 (-0.2%)
	AN	1.9 (4.2%)	0 (0%)
	BN	1.9 (4.2%)	-0.1 (-0.1%)
	D	2.1 (4.6%)	0.1 (0.3%)
	C	2.1 (4.4%)	0 (0%)
	AVG	1.8 (3.8%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.5.5 Sacramento River at Hamilton City

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 5 Model Scenarios in the Sacramento River at Hamilton City, Year-Round

Alternative 5: Sacramento River at Hamilton City				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
JAN	W	45	47	47
	AN	45	47	47
	BN	44	46	46
	D	44	46	46
	C	44	47	47
	AVG	45	47	47
FEB	W	46	48	48
	AN	47	48	48
	BN	46	48	48
	D	47	49	49
	C	48	50	50
	AVG	47	49	49
MAR	W	49	51	51
	AN	51	52	52
	BN	51	53	53
	D	52	54	54
	C	52	54	54
	AVG	51	52	52
APR	W	54	55	55
	AN	55	57	57
	BN	56	58	58
	D	56	58	58
	C	56	58	58
	AVG	55	57	57
MAY	W	58	62	61
	AN	60	62	61
	BN	59	62	62
	D	59	61	60
	C	60	62	62
	AVG	59	62	61
JUN	W	61	63	62
	AN	61	62	62
	BN	60	62	62
	D	60	63	62
	C	61	63	64
	AVG	61	63	62
JUL	W	62	63	63
	AN	61	63	63
	BN	61	63	63
	D	61	64	64
	C	63	68	68
	AVG	62	64	64

Alternative 5: Sacramento River at Hamilton City				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
AUG	W	62	65	65
	AN	62	64	65
	BN	62	65	65
	D	62	65	66
	C	65	71	71
	AVG	62	66	66
SEP	W	60	61	61
	AN	62	63	63
	BN	62	65	66
	D	62	67	67
	C	64	69	69
	AVG	62	65	65
OCT	W	55	58	58
	AN	56	58	59
	BN	56	59	59
	D	56	59	59
	C	57	60	60
	AVG	56	59	59
NOV	W	50	53	52
	AN	50	53	53
	BN	50	53	53
	D	51	53	53
	C	52	54	54
	AVG	51	53	53
DEC	W	46	47	47
	AN	46	48	48
	BN	45	48	47
	D	45	48	48
	C	45	48	48
	AVG	46	47	47

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Hamilton City, Year-Round

Alternative 5: Sacramento River at Hamilton City			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
JAN	W	1.6 (3.6%)	0 (0%)
	AN	1.8 (3.9%)	0 (0%)
	BN	2 (4.5%)	0.1 (0.1%)
	D	2.1 (4.8%)	0 (-0.1%)
	C	2.4 (5.4%)	-0.1 (-0.2%)
	AVG	1.9 (4.3%)	0 (0%)
FEB	W	1.7 (3.6%)	0 (0%)
	AN	1.7 (3.7%)	0 (0%)
	BN	1.9 (4%)	0 (0%)
	D	2.1 (4.4%)	0 (0%)
	C	2.3 (4.7%)	0 (0%)
	AVG	1.9 (4.1%)	0 (0%)
MAR	W	1.5 (3.1%)	0 (0%)
	AN	1.7 (3.3%)	0 (0%)
	BN	1.9 (3.7%)	0 (0%)
	D	1.8 (3.5%)	0 (0%)
	C	1.8 (3.4%)	-0.1 (-0.3%)
	AVG	1.7 (3.4%)	0 (0%)
APR	W	1.9 (3.5%)	0 (0%)
	AN	2 (3.6%)	-0.1 (-0.2%)
	BN	1.9 (3.3%)	-0.2 (-0.3%)
	D	2 (3.5%)	-0.1 (-0.1%)
	C	2 (3.6%)	-0.1 (-0.1%)
	AVG	1.9 (3.5%)	-0.1 (-0.1%)
MAY	W	3.1 (5.3%)	-0.2 (-0.2%)
	AN	1.4 (2.4%)	-0.6 (-0.9%)
	BN	2.3 (3.9%)	-0.2 (-0.3%)
	D	1.5 (2.5%)	-0.6 (-0.9%)
	C	2 (3.4%)	0 (0%)
	AVG	2.2 (3.7%)	-0.3 (-0.5%)
JUN	W	1.5 (2.5%)	-0.4 (-0.7%)
	AN	1.4 (2.3%)	-0.3 (-0.5%)
	BN	1.5 (2.5%)	-0.5 (-0.8%)
	D	1.8 (3%)	-0.3 (-0.5%)
	C	2.5 (4.1%)	0.4 (0.6%)
	AVG	1.7 (2.8%)	-0.3 (-0.5%)
JUL	W	1.3 (2.2%)	0 (0.1%)
	AN	1.6 (2.7%)	0 (0%)
	BN	2.1 (3.5%)	0 (0.1%)
	D	2.9 (4.7%)	0.4 (0.6%)
	C	4.6 (7.4%)	-0.2 (-0.2%)
	AVG	2.3 (3.8%)	0.1 (0.1%)

Alternative 5: Sacramento River at Hamilton City			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
AUG	W	2.9 (4.7%)	-0.3 (-0.5%)
	AN	2.4 (3.8%)	0.3 (0.4%)
	BN	3.3 (5.4%)	0.4 (0.5%)
	D	4.3 (6.8%)	1.1 (1.7%)
	C	6.5 (10.1%)	-0.1 (-0.1%)
	AVG	3.7 (6%)	0.2 (0.3%)
SEP	W	1 (1.6%)	-0.1 (-0.2%)
	AN	1 (1.6%)	0.2 (0.3%)
	BN	4.2 (6.9%)	1 (1.6%)
	D	5.2 (8.3%)	0 (0.1%)
	C	4.6 (7.1%)	-0.4 (-0.6%)
	AVG	3 (4.8%)	0.1 (0.2%)
OCT	W	2.9 (5.1%)	0.1 (0.2%)
	AN	3 (5.3%)	0.3 (0.5%)
	BN	3 (5.4%)	0.1 (0.2%)
	D	3 (5.3%)	0 (0.1%)
	C	3.3 (5.7%)	0 (0%)
	AVG	3 (5.3%)	0.1 (0.2%)
NOV	W	2.4 (4.7%)	0 (-0.1%)
	AN	2.4 (4.8%)	0 (0%)
	BN	2.6 (5.1%)	-0.1 (-0.1%)
	D	2.4 (4.7%)	0 (0%)
	C	2.5 (4.8%)	-0.1 (-0.2%)
	AVG	2.4 (4.8%)	0 (-0.1%)
DEC	W	1.4 (3%)	-0.1 (-0.2%)
	AN	2.1 (4.5%)	0 (0%)
	BN	2.1 (4.6%)	0 (-0.1%)
	D	2.3 (5%)	0.1 (0.3%)
	C	2.2 (4.9%)	0 (0%)
	AVG	1.9 (4.2%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.5.6 Trinity River below Lewiston Reservoir

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 5 Model Scenarios in the Trinity River below Lewiston Reservoir, Year-Round

Alternative 5: Trinity River below Lewiston Reservoir				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
JAN	W	41	43	43
	AN	38	41	41
	BN	39	41	41
	D	39	41	42
	C	39	42	42
	AVG	39	42	42
FEB	W	43	45	45
	AN	43	45	45
	BN	42	44	44
	D	42	45	45
	C	43	45	46
	AVG	43	45	45
MAR	W	46	48	48
	AN	47	49	49
	BN	47	48	48
	D	48	50	50
	C	48	50	50
	AVG	47	49	49
APR	W	49	51	51
	AN	50	52	52
	BN	51	53	53
	D	51	53	53
	C	50	52	52
	AVG	50	52	52
MAY	W	46	48	48
	AN	46	48	48
	BN	46	49	49
	D	47	49	49
	C	49	52	52
	AVG	47	49	49
JUN	W	48	51	51
	AN	51	52	52
	BN	52	53	53
	D	52	54	55
	C	56	59	59
	AVG	51	53	53
JUL	W	51	55	54
	AN	52	54	53
	BN	52	55	54
	D	51	54	53
	C	53	60	61
	AVG	51	55	55

Alternative 5: Trinity River below Lewiston Reservoir				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
AUG	W	52	54	54
	AN	51	53	53
	BN	52	55	55
	D	50	54	55
	C	54	63	62
	AVG	52	56	55
SEP	W	49	51	51
	AN	50	51	52
	BN	51	55	55
	D	50	56	56
	C	57	62	62
	AVG	51	54	55
OCT	W	48	51	51
	AN	49	52	52
	BN	50	53	53
	D	50	52	52
	C	51	56	55
	AVG	49	52	52
NOV	W	44	47	47
	AN	45	47	48
	BN	45	47	48
	D	44	47	47
	C	46	48	48
	AVG	45	47	47
DEC	W	41	43	43
	AN	39	43	43
	BN	40	42	42
	D	40	42	42
	C	39	41	41
	AVG	40	42	42

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River below Lewiston Reservoir, Year-Round

Alternative 5: Trinity River below Lewiston Reservoir			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
JAN	W	2 (5%)	0 (-0.1%)
	AN	2.4 (6.2%)	-0.1 (-0.2%)
	BN	1.8 (4.7%)	-0.3 (-0.6%)
	D	3 (7.7%)	0.3 (0.6%)
	C	2.5 (6.4%)	0.2 (0.5%)
	AVG	2.3 (5.9%)	0 (0.1%)
FEB	W	2.4 (5.6%)	0 (0%)
	AN	2.2 (5.2%)	0 (-0.1%)
	BN	2.2 (5.1%)	0 (0%)
	D	2.3 (5.5%)	0.1 (0.1%)
	C	2.4 (5.5%)	0.2 (0.4%)
	AVG	2.3 (5.4%)	0 (0.1%)
MAR	W	2 (4.3%)	0 (0%)
	AN	1.6 (3.5%)	-0.1 (-0.1%)
	BN	1.8 (4%)	0 (0%)
	D	1.4 (3%)	-0.1 (-0.1%)
	C	2.1 (4.4%)	0 (0%)
	AVG	1.8 (3.8%)	0 (0%)
APR	W	1.9 (3.8%)	0.4 (0.7%)
	AN	2.4 (4.9%)	0.5 (0.9%)
	BN	2.5 (4.9%)	0 (0%)
	D	2.2 (4.3%)	0 (-0.1%)
	C	2.2 (4.4%)	0 (0.1%)
	AVG	2.2 (4.3%)	0.2 (0.3%)
MAY	W	2.5 (5.4%)	0 (0.1%)
	AN	2.3 (5%)	0 (-0.1%)
	BN	2.2 (4.7%)	0 (0%)
	D	2.5 (5.4%)	0 (-0.1%)
	C	3.2 (6.5%)	0 (0.1%)
	AVG	2.5 (5.4%)	0 (0%)
JUN	W	2.2 (4.6%)	0 (-0.1%)
	AN	1.1 (2.1%)	0 (0%)
	BN	1.8 (3.5%)	0 (-0.1%)
	D	2.7 (5.2%)	0.4 (0.8%)
	C	3.5 (6.3%)	-0.2 (-0.4%)
	AVG	2.3 (4.5%)	0 (0.1%)
JUL	W	3.1 (6.1%)	-0.7 (-1.3%)
	AN	1.4 (2.7%)	-0.6 (-1.1%)
	BN	2.5 (4.7%)	-0.8 (-1.4%)
	D	2.3 (4.5%)	-0.4 (-0.7%)
	C	8.2 (15.6%)	1.3 (2.2%)
	AVG	3.3 (6.5%)	-0.3 (-0.6%)

Alternative 5: Trinity River below Lewiston Reservoir			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
AUG	W	1.6 (3%)	-0.5 (-0.9%)
	AN	1.9 (3.8%)	-0.3 (-0.5%)
	BN	3.2 (6.1%)	0.2 (0.4%)
	D	4.5 (9%)	0.4 (0.8%)
	C	8.4 (15.6%)	-1 (-1.6%)
	AVG	3.6 (6.9%)	-0.2 (-0.4%)
SEP	W	1.9 (3.8%)	0 (-0.1%)
	AN	2 (4%)	0.3 (0.5%)
	BN	3.7 (7.2%)	0.2 (0.3%)
	D	6.2 (12.4%)	0.4 (0.6%)
	C	5.7 (10.2%)	0.1 (0.1%)
	AVG	3.7 (7.4%)	0.1 (0.3%)
OCT	W	3.1 (6.4%)	-0.2 (-0.3%)
	AN	2.3 (4.6%)	-0.1 (-0.2%)
	BN	2.9 (5.9%)	0.1 (0.1%)
	D	2.5 (5%)	0.3 (0.5%)
	C	3.8 (7.4%)	-0.6 (-1.2%)
	AVG	2.9 (5.9%)	-0.1 (-0.2%)
NOV	W	2.7 (6.2%)	0.1 (0.3%)
	AN	2.9 (6.5%)	0.7 (1.5%)
	BN	2.8 (6.2%)	0.2 (0.4%)
	D	2.7 (6.1%)	0 (0%)
	C	2.1 (4.6%)	0.1 (0.1%)
	AVG	2.7 (6%)	0.2 (0.4%)
DEC	W	1.9 (4.7%)	-0.1 (-0.3%)
	AN	3.4 (8.7%)	-0.2 (-0.5%)
	BN	2.5 (6.2%)	0 (-0.1%)
	D	2.2 (5.4%)	0.3 (0.8%)
	C	2.1 (5.3%)	0.3 (0.8%)
	AVG	2.3 (5.7%)	0.1 (0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.5.7 Trinity River at Douglas City

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 5 Model Scenarios in the Trinity River at Douglas City, Year-Round

Alternative 5: Trinity River at Douglas City				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
JAN	W	40	42	42
	AN	39	40	40
	BN	38	40	40
	D	38	40	40
	C	39	41	41
	AVG	39	41	41
FEB	W	43	45	45
	AN	43	45	45
	BN	42	44	44
	D	43	44	44
	C	43	45	45
	AVG	43	45	45
MAR	W	46	47	47
	AN	47	48	48
	BN	47	48	48
	D	48	49	49
	C	48	49	49
	AVG	47	48	48
APR	W	51	52	52
	AN	52	53	54
	BN	52	54	54
	D	53	54	54
	C	52	54	54
	AVG	52	53	53
MAY	W	48	50	50
	AN	48	50	50
	BN	49	51	51
	D	49	51	51
	C	52	55	55
	AVG	49	51	51
JUN	W	51	54	54
	AN	54	55	55
	BN	55	57	57
	D	57	59	60
	C	60	63	63
	AVG	55	57	57
JUL	W	57	61	60
	AN	58	60	60
	BN	59	62	61
	D	59	62	62
	C	62	67	68
	AVG	59	62	62

Alternative 5: Trinity River at Douglas City				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
AUG	W	60	62	62
	AN	59	61	61
	BN	60	63	63
	D	58	62	62
	C	61	67	66
	AVG	60	63	63
SEP	W	55	57	57
	AN	55	57	57
	BN	56	59	59
	D	55	60	60
	C	59	64	64
	AVG	56	59	59
OCT	W	50	53	53
	AN	51	53	53
	BN	52	54	54
	D	51	53	53
	C	53	56	55
	AVG	51	54	54
NOV	W	44	46	46
	AN	45	47	47
	BN	45	47	47
	D	44	46	46
	C	46	47	48
	AVG	44	47	47
DEC	W	41	43	43
	AN	40	42	42
	BN	39	42	42
	D	40	42	42
	C	39	41	41
	AVG	40	42	42

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River at Douglas City, Year-Round

Alternative 5: Trinity River at Douglas City			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
JAN	W	1.5 (3.7%)	-0.1 (-0.2%)
	AN	1.6 (4.1%)	0 (-0.1%)
	BN	1.4 (3.6%)	-0.1 (-0.3%)
	D	2.3 (6%)	0.1 (0.3%)
	C	2.2 (5.7%)	0.2 (0.4%)
	AVG	1.8 (4.5%)	0 (0%)
FEB	W	1.6 (3.7%)	0 (0%)
	AN	1.5 (3.5%)	0 (0%)
	BN	1.6 (3.8%)	0 (0%)
	D	1.6 (3.8%)	0 (0.1%)
	C	1.9 (4.4%)	0.1 (0.2%)
	AVG	1.6 (3.8%)	0 (0%)
MAR	W	1.2 (2.6%)	0 (0%)
	AN	1 (2.1%)	0 (0%)
	BN	1.1 (2.4%)	0 (0%)
	D	1 (2.1%)	0 (0%)
	C	1.5 (3.2%)	0 (0%)
	AVG	1.2 (2.5%)	0 (0%)
APR	W	1.4 (2.7%)	0.1 (0.2%)
	AN	1.6 (3.2%)	0.3 (0.5%)
	BN	1.7 (3.2%)	0 (0%)
	D	1.7 (3.2%)	0 (0%)
	C	1.8 (3.5%)	0 (0%)
	AVG	1.6 (3.1%)	0.1 (0.1%)
MAY	W	2.4 (4.9%)	0 (0.1%)
	AN	2.2 (4.7%)	0 (0%)
	BN	2.1 (4.3%)	0 (0%)
	D	2.4 (5%)	0 (-0.1%)
	C	3 (5.9%)	0 (0.1%)
	AVG	2.4 (4.9%)	0 (0%)
JUN	W	2.1 (4.1%)	0 (0%)
	AN	1 (1.8%)	0 (0%)
	BN	1.8 (3.3%)	0 (0%)
	D	2.6 (4.6%)	0.3 (0.4%)
	C	3 (5%)	-0.1 (-0.2%)
	AVG	2.2 (3.9%)	0 (0%)
JUL	W	3.3 (5.7%)	-0.5 (-0.8%)
	AN	1.8 (3.1%)	-0.4 (-0.7%)
	BN	2.2 (3.7%)	-0.5 (-0.8%)
	D	2.5 (4.2%)	-0.2 (-0.3%)
	C	5.6 (9.1%)	1 (1.5%)
	AVG	3.1 (5.2%)	-0.2 (-0.3%)

Alternative 5: Trinity River at Douglas City			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
AUG	W	2.3 (3.8%)	-0.3 (-0.4%)
	AN	2.5 (4.2%)	-0.2 (-0.3%)
	BN	3.1 (5.3%)	0.1 (0.2%)
	D	4 (6.8%)	0.3 (0.4%)
	C	5.8 (9.5%)	-0.5 (-0.7%)
	AVG	3.3 (5.6%)	-0.1 (-0.2%)
SEP	W	2.4 (4.4%)	0 (0%)
	AN	2.5 (4.5%)	0.2 (0.3%)
	BN	3.5 (6.2%)	0.1 (0.2%)
	D	4.9 (8.9%)	0.2 (0.4%)
	C	5.1 (8.6%)	-0.2 (-0.3%)
	AVG	3.6 (6.4%)	0.1 (0.1%)
OCT	W	2.5 (4.9%)	-0.1 (-0.2%)
	AN	1.9 (3.7%)	0 (0%)
	BN	2.4 (4.6%)	0 (0.1%)
	D	2.1 (4.1%)	0.1 (0.2%)
	C	2.7 (5.1%)	-0.4 (-0.7%)
	AVG	2.3 (4.5%)	-0.1 (-0.1%)
NOV	W	2.2 (4.9%)	0.1 (0.1%)
	AN	2.3 (5.3%)	0.4 (0.8%)
	BN	2.3 (5.2%)	0.1 (0.2%)
	D	2.2 (5%)	0 (0%)
	C	1.9 (4.1%)	0 (0.1%)
	AVG	2.2 (4.9%)	0.1 (0.2%)
DEC	W	1.4 (3.3%)	0 (-0.1%)
	AN	2.3 (5.7%)	-0.1 (-0.3%)
	BN	2.1 (5.3%)	0 (-0.1%)
	D	1.9 (4.8%)	0.2 (0.5%)
	C	2.6 (6.7%)	0.4 (0.9%)
	AVG	1.9 (4.8%)	0.1 (0.2%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.5.8 Trinity River below North Fork

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 5 Model Scenarios in the Trinity River below North Fork, Year-Round

Alternative 5: Trinity River below North Fork				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
JAN	W	40	41	41
	AN	38	39	39
	BN	38	39	39
	D	38	39	39
	C	38	40	40
	AVG	39	40	40
FEB	W	43	44	44
	AN	43	44	44
	BN	43	44	44
	D	43	44	44
	C	43	45	45
	AVG	43	44	44
MAR	W	46	47	47
	AN	46	47	47
	BN	46	47	47
	D	47	48	48
	C	48	49	49
	AVG	47	47	47
APR	W	53	53	53
	AN	54	54	55
	BN	54	55	55
	D	54	55	55
	C	54	55	55
	AVG	53	54	54
MAY	W	50	52	52
	AN	50	52	52
	BN	51	53	53
	D	51	54	54
	C	54	57	57
	AVG	51	53	53
JUN	W	55	57	57
	AN	58	58	58
	BN	60	61	61
	D	62	64	64
	C	63	66	66
	AVG	59	61	61
JUL	W	63	66	66
	AN	63	66	65
	BN	65	67	67
	D	65	68	68
	C	68	71	72
	AVG	65	67	67

Alternative 5: Trinity River below North Fork				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
AUG	W	65	68	67
	AN	64	67	67
	BN	65	68	68
	D	64	67	67
	C	65	69	69
	AVG	65	68	68
SEP	W	59	62	62
	AN	59	61	61
	BN	59	62	63
	D	58	62	62
	C	61	64	64
	AVG	59	62	62
OCT	W	53	55	55
	AN	53	55	55
	BN	54	56	56
	D	53	54	54
	C	54	56	56
	AVG	53	55	55
NOV	W	44	45	45
	AN	44	46	46
	BN	44	46	46
	D	44	45	45
	C	45	47	47
	AVG	44	46	46
DEC	W	41	42	42
	AN	40	42	41
	BN	39	41	41
	D	40	41	41
	C	38	40	40
	AVG	40	41	41

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River below North Fork, Year-Round

Alternative 5: Trinity River below North Fork			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
JAN	W	1.1 (2.7%)	-0.1 (-0.1%)
	AN	1 (2.7%)	0 (0%)
	BN	1 (2.7%)	0 (-0.1%)
	D	1.6 (4.4%)	0 (0.1%)
	C	1.7 (4.5%)	0 (0.1%)
	AVG	1.3 (3.3%)	0 (0%)
FEB	W	1.1 (2.5%)	0 (0%)
	AN	1 (2.3%)	0 (0%)
	BN	1.1 (2.7%)	0 (0%)
	D	1.1 (2.5%)	0 (0%)
	C	1.4 (3.3%)	0 (0.1%)
	AVG	1.1 (2.6%)	0 (0%)
MAR	W	0.7 (1.6%)	0 (0%)
	AN	0.6 (1.3%)	0 (0%)
	BN	0.7 (1.6%)	0 (0%)
	D	0.7 (1.5%)	0 (0%)
	C	1.1 (2.2%)	0 (0%)
	AVG	0.8 (1.6%)	0 (0%)
APR	W	0.8 (1.6%)	0 (0.1%)
	AN	1 (1.9%)	0.1 (0.2%)
	BN	1.1 (2%)	0 (0%)
	D	1.2 (2.2%)	0 (0%)
	C	1.4 (2.7%)	0 (0%)
	AVG	1.1 (2%)	0 (0%)
MAY	W	2.1 (4.2%)	0 (0%)
	AN	2.1 (4.1%)	0 (-0.1%)
	BN	1.9 (3.8%)	0 (0%)
	D	2.2 (4.3%)	0 (-0.1%)
	C	2.7 (5%)	0 (0%)
	AVG	2.2 (4.2%)	0 (0%)
JUN	W	1.8 (3.3%)	0 (0%)
	AN	0.7 (1.3%)	0 (0%)
	BN	1.7 (2.9%)	0 (0%)
	D	2.3 (3.8%)	0.1 (0.2%)
	C	2.5 (3.9%)	-0.1 (-0.1%)
	AVG	1.9 (3.2%)	0 (0%)
JUL	W	3.1 (5%)	-0.3 (-0.4%)
	AN	1.9 (3%)	-0.3 (-0.4%)
	BN	2 (3%)	-0.3 (-0.4%)
	D	2.4 (3.7%)	-0.1 (-0.1%)
	C	3.8 (5.5%)	0.4 (0.6%)
	AVG	2.7 (4.2%)	-0.1 (-0.2%)

Alternative 5: Trinity River below North Fork			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
AUG	W	2.4 (3.7%)	-0.1 (-0.2%)
	AN	2.6 (4%)	-0.1 (-0.1%)
	BN	2.9 (4.4%)	0 (0.1%)
	D	3.4 (5.3%)	0.1 (0.2%)
	C	3.7 (5.6%)	-0.2 (-0.3%)
	AVG	2.9 (4.5%)	0 (-0.1%)
SEP	W	2.6 (4.3%)	0 (0%)
	AN	2.6 (4.4%)	0.1 (0.1%)
	BN	3.1 (5.2%)	0.1 (0.1%)
	D	3.8 (6.6%)	0.1 (0.2%)
	C	3 (5%)	0 (0.1%)
	AVG	3 (5.1%)	0 (0.1%)
OCT	W	1.9 (3.6%)	0 (-0.1%)
	AN	1.8 (3.4%)	-0.1 (-0.1%)
	BN	2 (3.7%)	0 (0%)
	D	1.9 (3.5%)	0.1 (0.1%)
	C	2.5 (4.7%)	-0.1 (-0.1%)
	AVG	2 (3.7%)	0 (0%)
NOV	W	1.6 (3.8%)	0 (0%)
	AN	1.7 (3.8%)	0.1 (0.3%)
	BN	1.9 (4.2%)	0 (0.1%)
	D	1.7 (3.9%)	0 (0%)
	C	1.7 (3.8%)	0 (0%)
	AVG	1.7 (3.9%)	0 (0.1%)
DEC	W	1 (2.3%)	0 (0.1%)
	AN	1.5 (3.7%)	-0.1 (-0.2%)
	BN	1.7 (4.3%)	0 (0%)
	D	1.5 (3.9%)	0.1 (0.2%)
	C	2 (5.3%)	0.1 (0.3%)
	AVG	1.4 (3.6%)	0 (0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.5.9 Feather River at Fish Barrier Dam

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 5 Model Scenarios in the Feather River at Fish Barrier Dam, Year-Round

Alternative 5: Feather River at Fish Barrier Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
JAN	W	48	51	51
	AN	47	50	50
	BN	48	51	51
	D	47	51	51
	C	48	51	51
	AVG	48	51	51
FEB	W	48	51	51
	AN	48	51	51
	BN	48	51	51
	D	49	52	52
	C	49	53	53
	AVG	48	51	51
MAR	W	49	51	51
	AN	49	51	51
	BN	50	53	53
	D	51	53	53
	C	51	54	54
	AVG	50	52	52
APR	W	51	52	52
	AN	51	53	53
	BN	52	54	54
	D	52	54	54
	C	52	54	54
	AVG	51	53	53
MAY	W	55	56	56
	AN	56	56	56
	BN	56	56	56
	D	56	56	56
	C	56	57	57
	AVG	55	56	56
JUN	W	57	58	58
	AN	58	58	58
	BN	58	58	58
	D	58	58	58
	C	58	59	59
	AVG	58	58	58
JUL	W	61	61	61
	AN	61	61	61
	BN	61	61	61
	D	61	61	62
	C	61	62	63
	AVG	61	61	62

Alternative 5: Feather River at Fish Barrier Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
AUG	W	61	61	61
	AN	60	60	60
	BN	60	60	61
	D	60	62	62
	C	62	64	64
	AVG	61	61	62
SEP	W	56	55	56
	AN	56	55	56
	BN	56	57	58
	D	56	61	59
	C	58	63	63
	AVG	56	58	58
OCT	W	54	58	56
	AN	55	58	57
	BN	54	58	57
	D	54	59	59
	C	54	58	57
	AVG	54	58	57
NOV	W	52	58	57
	AN	53	58	57
	BN	53	58	57
	D	52	59	58
	C	53	58	58
	AVG	53	58	57
DEC	W	49	53	53
	AN	49	55	54
	BN	49	54	54
	D	49	54	54
	C	49	54	54
	AVG	49	54	54

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Fish Barrier Dam, Year-Round

Alternative 5: Feather River at Fish Barrier Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
JAN	W	2.9 (6.1%)	0.2 (0.3%)
	AN	3.1 (6.5%)	0 (0.1%)
	BN	3.1 (6.5%)	0.1 (0.1%)
	D	3.5 (7.4%)	0.1 (0.2%)
	C	3.8 (8%)	0 (0%)
	AVG	3.2 (6.8%)	0.1 (0.2%)
FEB	W	2.6 (5.5%)	0 (0.1%)
	AN	2.6 (5.5%)	0.1 (0.2%)
	BN	3.1 (6.4%)	0.1 (0.2%)
	D	3.1 (6.3%)	0.1 (0.3%)
	C	3.5 (7.2%)	0 (0.1%)
	AVG	2.9 (6.1%)	0.1 (0.2%)
MAR	W	2.6 (5.4%)	0.2 (0.3%)
	AN	2.2 (4.6%)	0 (0%)
	BN	3.4 (6.9%)	0.2 (0.4%)
	D	2.5 (4.8%)	0.1 (0.2%)
	C	2.8 (5.5%)	-0.3 (-0.5%)
	AVG	2.7 (5.4%)	0.1 (0.1%)
APR	W	1.9 (3.8%)	0.1 (0.1%)
	AN	1.8 (3.4%)	0.1 (0.1%)
	BN	1.8 (3.4%)	0.1 (0.1%)
	D	1.8 (3.4%)	-0.2 (-0.3%)
	C	2.5 (4.9%)	0 (-0.1%)
	AVG	1.9 (3.7%)	0 (0%)
MAY	W	0.7 (1.3%)	0 (0%)
	AN	0.5 (0.9%)	0 (0%)
	BN	0.3 (0.5%)	-0.1 (-0.1%)
	D	0.2 (0.4%)	0 (-0.1%)
	C	0.8 (1.4%)	-0.1 (-0.1%)
	AVG	0.5 (0.9%)	0 (0%)
JUN	W	0.2 (0.3%)	-0.3 (-0.5%)
	AN	0 (-0.1%)	-0.4 (-0.7%)
	BN	-0.1 (-0.2%)	-0.3 (-0.6%)
	D	0.4 (0.7%)	-0.1 (-0.2%)
	C	1.1 (1.9%)	-0.1 (-0.1%)
	AVG	0.3 (0.5%)	-0.2 (-0.4%)
JUL	W	0 (0%)	-0.1 (-0.1%)
	AN	0.3 (0.4%)	0 (0%)
	BN	0.3 (0.6%)	-0.1 (-0.2%)
	D	0.9 (1.4%)	0.3 (0.5%)
	C	1.8 (3%)	0.4 (0.7%)
	AVG	0.6 (0.9%)	0.1 (0.1%)

Alternative 5: Feather River at Fish Barrier Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
AUG	W	0.2 (0.4%)	0.5 (0.8%)
	AN	0.4 (0.7%)	0.2 (0.3%)
	BN	0.9 (1.5%)	0.4 (0.6%)
	D	2 (3.4%)	0.2 (0.3%)
	C	2.2 (3.5%)	-0.2 (-0.4%)
	AVG	1.1 (1.7%)	0.2 (0.4%)
SEP	W	-0.2 (-0.4%)	0.4 (0.6%)
	AN	0.5 (0.9%)	1 (1.8%)
	BN	2.2 (4%)	0.7 (1.2%)
	D	3.3 (5.9%)	-1.6 (-2.7%)
	C	4.6 (7.9%)	-0.9 (-1.4%)
	AVG	1.8 (3.2%)	-0.1 (-0.2%)
OCT	W	2.9 (5.4%)	-1.7 (-2.9%)
	AN	2.4 (4.4%)	-1 (-1.6%)
	BN	3 (5.6%)	-1.2 (-2.1%)
	D	4.8 (8.9%)	-0.9 (-1.5%)
	C	3 (5.5%)	-0.8 (-1.3%)
	AVG	3.3 (6.1%)	-1.2 (-2%)
NOV	W	4.6 (8.7%)	-1.3 (-2.2%)
	AN	3.8 (7.2%)	-1.1 (-1.9%)
	BN	4.7 (8.8%)	-0.8 (-1.4%)
	D	5.5 (10.5%)	-0.8 (-1.4%)
	C	5.1 (9.7%)	-0.1 (-0.2%)
	AVG	4.8 (9.1%)	-0.9 (-1.5%)
DEC	W	4.3 (8.8%)	-0.2 (-0.3%)
	AN	5 (10.2%)	-0.6 (-1.1%)
	BN	5.7 (11.6%)	0.1 (0.2%)
	D	5 (10.3%)	0 (-0.1%)
	C	5.1 (10.3%)	0.3 (0.6%)
	AVG	4.9 (10%)	-0.1 (-0.2%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.5.10 Feather River Low-Flow Channel (above Thermalito Afterbay)

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 5 Model Scenarios in the Feather River Low-Flow Channel (above Thermalito Afterbay), Year-Round

Alternative 5: Feather River Low-Flow Channel (above Thermalito Afterbay)				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
JAN	W	47	50	50
	AN	47	50	50
	BN	47	50	50
	D	47	50	50
	C	47	51	51
	AVG	47	50	50
FEB	W	49	51	51
	AN	49	51	51
	BN	49	52	52
	D	49	52	52
	C	50	53	53
	AVG	49	52	52
MAR	W	50	53	53
	AN	51	53	53
	BN	51	54	55
	D	52	55	55
	C	53	56	55
	AVG	51	54	54
APR	W	53	55	55
	AN	55	57	57
	BN	55	57	57
	D	55	57	57
	C	55	57	57
	AVG	55	57	57
MAY	W	59	61	61
	AN	60	62	62
	BN	60	61	61
	D	60	61	61
	C	60	62	62
	AVG	60	61	61
JUN	W	63	65	64
	AN	64	66	66
	BN	64	65	65
	D	64	66	66
	C	63	65	65
	AVG	64	65	65

Alternative 5: Feather River Low-Flow Channel (above Thermalito Afterbay)				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
JUL	W	68	69	69
	AN	67	69	69
	BN	67	69	69
	D	67	69	69
	C	67	70	70
	AVG	67	69	69
AUG	W	66	68	68
	AN	65	67	67
	BN	66	68	68
	D	65	68	68
	C	67	70	70
	AVG	66	68	68
SEP	W	60	61	61
	AN	60	61	62
	BN	60	62	63
	D	60	65	64
	C	61	66	66
	AVG	60	63	63
OCT	W	55	60	58
	AN	57	60	59
	BN	56	60	59
	D	56	61	60
	C	56	60	59
	AVG	56	60	59
NOV	W	52	58	57
	AN	53	58	57
	BN	53	58	57
	D	53	58	58
	C	53	58	58
	AVG	53	58	57
DEC	W	48	53	52
	AN	49	54	53
	BN	48	53	53
	D	48	53	53
	C	48	53	53
	AVG	48	53	53

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather Low-Flow Channel (above Thermalito Afterbay), Year-Round

Alternative 5: Feather River Low-Flow Channel (above Thermalito Afterbay)			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
JAN	W	2.9 (6.2%)	0.1 (0.3%)
	AN	3.1 (6.6%)	0 (0.1%)
	BN	3 (6.4%)	0 (0.1%)
	D	3.4 (7.2%)	0.1 (0.2%)
	C	3.6 (7.7%)	0 (0%)
	AVG	3.2 (6.7%)	0.1 (0.2%)
FEB	W	2.7 (5.5%)	0 (0%)
	AN	2.7 (5.5%)	0.1 (0.1%)
	BN	3 (6.2%)	0.1 (0.2%)
	D	3 (6%)	0.1 (0.2%)
	C	3.4 (6.8%)	0.1 (0.1%)
	AVG	2.9 (5.9%)	0.1 (0.1%)
MAR	W	2.6 (5.2%)	0.1 (0.2%)
	AN	2.3 (4.5%)	0 (0%)
	BN	3.2 (6.2%)	0.2 (0.3%)
	D	2.5 (4.7%)	0.1 (0.2%)
	C	2.8 (5.2%)	-0.2 (-0.4%)
	AVG	2.7 (5.2%)	0.1 (0.1%)
APR	W	1.9 (3.6%)	0.1 (0.1%)
	AN	2 (3.7%)	0.1 (0.1%)
	BN	1.9 (3.5%)	0.1 (0.1%)
	D	2 (3.6%)	-0.1 (-0.3%)
	C	2.5 (4.6%)	0 (-0.1%)
	AVG	2 (3.7%)	0 (0%)
MAY	W	1.4 (2.4%)	0 (0%)
	AN	1.3 (2.2%)	0 (0%)
	BN	1.1 (1.9%)	0 (-0.1%)
	D	1.1 (1.9%)	0 (0%)
	C	1.5 (2.5%)	-0.1 (-0.1%)
	AVG	1.3 (2.2%)	0 (0%)
JUN	W	1.4 (2.3%)	-0.2 (-0.3%)
	AN	1.5 (2.3%)	-0.3 (-0.4%)
	BN	1.4 (2.2%)	-0.2 (-0.3%)
	D	1.8 (2.8%)	-0.1 (-0.1%)
	C	2.1 (3.3%)	0 (-0.1%)
	AVG	1.6 (2.5%)	-0.1 (-0.2%)
JUL	W	1.5 (2.3%)	-0.1 (-0.1%)
	AN	1.8 (2.6%)	0 (0%)
	BN	1.7 (2.6%)	-0.1 (-0.1%)
	D	2.1 (3.2%)	0.2 (0.3%)
	C	2.9 (4.3%)	0.3 (0.4%)
	AVG	1.9 (2.9%)	0 (0.1%)

Alternative 5: Feather River Low-Flow Channel (above Thermalito Afterbay)			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
AUG	W	1.8 (2.7%)	0.3 (0.4%)
	AN	1.8 (2.8%)	0.1 (0.2%)
	BN	2.2 (3.4%)	0.2 (0.3%)
	D	2.9 (4.5%)	0.1 (0.1%)
	C	3 (4.6%)	-0.2 (-0.2%)
	AVG	2.3 (3.5%)	0.1 (0.2%)
SEP	W	1.1 (1.8%)	0.2 (0.4%)
	AN	1.5 (2.6%)	0.7 (1.2%)
	BN	2.8 (4.6%)	0.5 (0.8%)
	D	3.7 (6.1%)	-1.2 (-1.8%)
	C	4.5 (7.3%)	-0.6 (-0.9%)
	AVG	2.5 (4.2%)	-0.1 (-0.1%)
OCT	W	3 (5.4%)	-1.3 (-2.2%)
	AN	2.6 (4.7%)	-0.7 (-1.2%)
	BN	3.2 (5.7%)	-1 (-1.6%)
	D	4.5 (8.1%)	-0.7 (-1.2%)
	C	3.1 (5.6%)	-0.6 (-1%)
	AVG	3.3 (6%)	-0.9 (-1.6%)
NOV	W	4.3 (8.2%)	-1.1 (-1.9%)
	AN	3.7 (7%)	-0.9 (-1.6%)
	BN	4.4 (8.3%)	-0.7 (-1.1%)
	D	5.1 (9.7%)	-0.7 (-1.2%)
	C	4.8 (9%)	-0.1 (-0.1%)
	AVG	4.5 (8.5%)	-0.7 (-1.3%)
DEC	W	4.1 (8.5%)	-0.1 (-0.3%)
	AN	4.7 (9.6%)	-0.5 (-0.9%)
	BN	5.2 (10.7%)	0.1 (0.2%)
	D	4.7 (9.8%)	0 (0%)
	C	4.7 (9.7%)	0.2 (0.4%)
	AVG	4.6 (9.5%)	-0.1 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.5.11 Feather River High-Flow Channel (below Thermalito Afterbay)

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 5 Model Scenarios in the Feather River High-Flow Channel (below Thermalito Afterbay), Year-Round

Alternative Feather River High-Flow Channel (below Thermalito Afterbay)				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
JAN	W	47	50	50
	AN	47	50	49
	BN	46	49	49
	D	46	49	49
	C	46	50	50
	AVG	47	49	49
FEB	W	49	52	51
	AN	49	52	52
	BN	49	52	52
	D	50	53	53
	C	51	54	54
	AVG	50	52	52
MAR	W	51	54	54
	AN	52	54	54
	BN	53	56	56
	D	54	57	57
	C	54	57	57
	AVG	53	55	55
APR	W	55	57	57
	AN	57	59	59
	BN	58	59	59
	D	57	60	60
	C	57	60	60
	AVG	57	59	59
MAY	W	61	63	63
	AN	63	64	64
	BN	63	65	65
	D	63	65	65
	C	63	66	66
	AVG	62	64	64
JUN	W	66	68	67
	AN	67	70	69
	BN	67	70	69
	D	68	71	71
	C	68	71	71
	AVG	67	70	69

Alternative Feather River High-Flow Channel (below Thermalito Afterbay)				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
JUL	W	70	70	70
	AN	68	69	69
	BN	68	70	69
	D	68	70	71
	C	70	74	75
	AVG	69	71	71
AUG	W	70	70	71
	AN	67	69	69
	BN	68	70	71
	D	67	71	73
	C	70	74	74
	AVG	69	71	72
SEP	W	64	63	65
	AN	64	64	67
	BN	65	68	66
	D	64	67	65
	C	64	69	68
	AVG	64	66	66
OCT	W	58	62	62
	AN	60	63	62
	BN	59	63	63
	D	58	63	62
	C	59	63	63
	AVG	59	63	62
NOV	W	53	57	56
	AN	54	58	57
	BN	53	57	57
	D	53	57	57
	C	53	57	58
	AVG	53	57	57
DEC	W	48	51	51
	AN	48	52	52
	BN	47	51	51
	D	47	51	51
	C	47	50	51
	AVG	47	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather High-Flow Channel (below Thermalito Afterbay), Year-Round

Alternative 5: Feather River High-Flow Channel (below Thermalito Afterbay)			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
JAN	W	2.9 (6.2%)	0.2 (0.5%)
	AN	2.9 (6.2%)	0 (-0.1%)
	BN	2.8 (6%)	0.1 (0.1%)
	D	2.9 (6.4%)	0.1 (0.1%)
	C	3.2 (6.8%)	-0.1 (-0.2%)
	AVG	2.9 (6.3%)	0.1 (0.2%)
FEB	W	2.5 (5.2%)	-0.1 (-0.2%)
	AN	3 (6%)	-0.1 (-0.2%)
	BN	3 (6%)	0 (0%)
	D	2.8 (5.6%)	0 (0.1%)
	C	3.1 (6.1%)	0 (0%)
	AVG	2.8 (5.7%)	0 (-0.1%)
MAR	W	2.5 (4.8%)	0.2 (0.3%)
	AN	1.4 (2.7%)	-0.3 (-0.6%)
	BN	3.2 (6%)	0.2 (0.4%)
	D	2.5 (4.7%)	0.1 (0.1%)
	C	3 (5.5%)	0 (-0.1%)
	AVG	2.5 (4.8%)	0 (0.1%)
APR	W	2 (3.7%)	0 (0.1%)
	AN	2.3 (4.1%)	0 (0.1%)
	BN	1.7 (3%)	0 (-0.1%)
	D	2.7 (4.6%)	0.3 (0.5%)
	C	2.9 (5%)	0.4 (0.7%)
	AVG	2.3 (4%)	0.1 (0.2%)
MAY	W	2.8 (4.5%)	0 (0%)
	AN	1.6 (2.5%)	0 (0%)
	BN	2.2 (3.5%)	0.1 (0.1%)
	D	2.2 (3.5%)	-0.1 (-0.1%)
	C	2.3 (3.6%)	0 (0%)
	AVG	2.3 (3.7%)	0 (0%)
JUN	W	1.6 (2.5%)	-1 (-1.5%)
	AN	1.3 (1.9%)	-1.3 (-1.8%)
	BN	1.1 (1.6%)	-1.3 (-1.8%)
	D	2.5 (3.6%)	-0.4 (-0.6%)
	C	3.2 (4.7%)	0.2 (0.3%)
	AVG	1.9 (2.9%)	-0.8 (-1.1%)
JUL	W	0.2 (0.3%)	-0.3 (-0.4%)
	AN	1.3 (1.9%)	-0.1 (-0.1%)
	BN	1.4 (2.1%)	-0.6 (-0.8%)
	D	3.6 (5.3%)	1.3 (1.9%)
	C	5.7 (8.1%)	1.4 (1.9%)
	AVG	2.1 (3.1%)	0.3 (0.4%)

Alternative 5: Feather River High-Flow Channel (below Thermalito Afterbay)			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
AUG	W	1.7 (2.4%)	1 (1.4%)
	AN	2 (3%)	0.2 (0.3%)
	BN	2.8 (4.1%)	0.6 (0.9%)
	D	5.4 (8.1%)	1.5 (2.1%)
	C	4.2 (6.1%)	0.2 (0.2%)
	AVG	3.1 (4.6%)	0.8 (1.1%)
SEP	W	1.5 (2.4%)	2.2 (3.6%)
	AN	3 (4.6%)	3.4 (5.3%)
	BN	1 (1.6%)	-1.9 (-2.7%)
	D	1.3 (2%)	-1.2 (-1.8%)
	C	4.2 (6.5%)	-0.7 (-1%)
	AVG	2 (3.1%)	0.5 (0.7%)
OCT	W	3.2 (5.5%)	-0.7 (-1.1%)
	AN	2.8 (4.7%)	-0.6 (-0.9%)
	BN	3.3 (5.6%)	-0.3 (-0.5%)
	D	3.9 (6.8%)	-0.3 (-0.5%)
	C	3.8 (6.5%)	0 (0%)
	AVG	3.4 (5.8%)	-0.4 (-0.7%)
NOV	W	3.8 (7.1%)	-0.5 (-0.9%)
	AN	3.6 (6.7%)	-0.4 (-0.7%)
	BN	3.8 (7.2%)	-0.3 (-0.6%)
	D	4.3 (8.1%)	-0.4 (-0.7%)
	C	4.1 (7.6%)	0 (0%)
	AVG	3.9 (7.4%)	-0.4 (-0.6%)
DEC	W	3.4 (7.2%)	0 (-0.1%)
	AN	4.2 (8.8%)	-0.3 (-0.6%)
	BN	4.2 (9%)	0 (0%)
	D	4.1 (8.7%)	0 (0%)
	C	4 (8.5%)	0.1 (0.2%)
	AVG	3.9 (8.2%)	0 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.5.12 Feather River at Gridley Dam

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 5 Model Scenarios in the Feather River at Gridley Dam, Year-Round

Alternative 5: Feather River at Gridley Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
JAN	W	47	50	50
	AN	47	49	49
	BN	46	49	49
	D	46	48	48
	C	46	49	49
	AVG	46	49	49
FEB	W	49	52	52
	AN	49	52	52
	BN	50	53	53
	D	50	53	53
	C	51	54	54
	AVG	50	53	53
MAR	W	51	54	54
	AN	53	54	54
	BN	54	57	57
	D	55	57	57
	C	54	57	57
	AVG	53	56	56
APR	W	56	58	58
	AN	58	60	60
	BN	59	61	60
	D	59	61	61
	C	58	61	61
	AVG	58	60	60
MAY	W	61	64	64
	AN	64	66	66
	BN	64	66	66
	D	64	66	66
	C	64	67	67
	AVG	63	66	66
JUN	W	67	69	68
	AN	69	71	70
	BN	69	71	70
	D	69	72	72
	C	69	72	72
	AVG	68	71	70
JUL	W	70	71	71
	AN	69	70	70
	BN	69	71	70
	D	69	71	73
	C	71	75	76
	AVG	70	72	72

Alternative 5: Feather River at Gridley Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
AUG	W	71	71	73
	AN	68	70	70
	BN	69	71	72
	D	68	72	74
	C	71	75	75
	AVG	69	72	73
SEP	W	65	64	66
	AN	65	64	68
	BN	66	69	68
	D	65	68	67
	C	66	70	70
	AVG	65	67	68
OCT	W	59	63	62
	AN	60	63	63
	BN	60	63	63
	D	59	63	63
	C	59	63	63
	AVG	59	63	63
NOV	W	53	57	56
	AN	54	58	57
	BN	53	57	57
	D	53	57	57
	C	54	57	57
	AVG	53	57	57
DEC	W	48	51	51
	AN	47	52	52
	BN	47	51	51
	D	47	51	51
	C	46	50	50
	AVG	47	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Gridley Dam, Year-Round

Alternative 5: Feather River at Gridley Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
JAN	W	2.9 (6.2%)	0.3 (0.5%)
	AN	2.9 (6.2%)	-0.1 (-0.1%)
	BN	2.8 (6%)	0 (0.1%)
	D	2.9 (6.3%)	0.1 (0.1%)
	C	3.1 (6.8%)	-0.1 (-0.2%)
	AVG	2.9 (6.3%)	0.1 (0.2%)
FEB	W	2.5 (5.2%)	-0.1 (-0.2%)
	AN	3 (6%)	-0.1 (-0.2%)
	BN	3 (6.1%)	0 (0.1%)
	D	2.8 (5.6%)	0.1 (0.1%)
	C	3.1 (6%)	0 (0%)
	AVG	2.8 (5.7%)	0 (-0.1%)
MAR	W	2.4 (4.7%)	0.1 (0.3%)
	AN	1.4 (2.6%)	-0.3 (-0.6%)
	BN	3.2 (6%)	0.2 (0.4%)
	D	2.5 (4.6%)	0 (0%)
	C	2.9 (5.3%)	0 (0%)
	AVG	2.5 (4.7%)	0 (0.1%)
APR	W	2.1 (3.7%)	0 (0.1%)
	AN	2.3 (4%)	0 (0.1%)
	BN	1.7 (2.9%)	-0.1 (-0.2%)
	D	2.4 (4.2%)	0.1 (0.2%)
	C	2.7 (4.6%)	0.2 (0.4%)
	AVG	2.2 (3.8%)	0 (0.1%)
MAY	W	3 (4.9%)	0 (0%)
	AN	1.8 (2.9%)	0 (0%)
	BN	2 (3.2%)	0 (0%)
	D	2.1 (3.2%)	-0.1 (-0.2%)
	C	2.3 (3.6%)	0 (0%)
	AVG	2.4 (3.7%)	0 (0%)
JUN	W	1.7 (2.5%)	-1.1 (-1.6%)
	AN	1.1 (1.6%)	-1.4 (-1.9%)
	BN	0.9 (1.4%)	-1.4 (-1.9%)
	D	2.5 (3.6%)	-0.4 (-0.6%)
	C	3.2 (4.7%)	0.2 (0.2%)
	AVG	1.9 (2.8%)	-0.8 (-1.2%)
JUL	W	0.3 (0.4%)	-0.3 (-0.5%)
	AN	1.5 (2.1%)	-0.1 (-0.1%)
	BN	1.6 (2.3%)	-0.6 (-0.8%)
	D	3.8 (5.5%)	1.4 (1.9%)
	C	5.9 (8.3%)	1.5 (2%)
	AVG	2.3 (3.3%)	0.3 (0.4%)

Alternative 5: Feather River at Gridley Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
AUG	W	1.7 (2.5%)	1.1 (1.6%)
	AN	2.1 (3.1%)	0.3 (0.4%)
	BN	3 (4.3%)	0.6 (0.9%)
	D	5.8 (8.6%)	1.5 (2.1%)
	C	4.4 (6.2%)	0.2 (0.3%)
	AVG	3.3 (4.7%)	0.9 (1.2%)
SEP	W	1.1 (1.7%)	2.4 (3.7%)
	AN	2.9 (4.4%)	3.7 (5.7%)
	BN	2 (3%)	-0.8 (-1.2%)
	D	2.4 (3.6%)	-0.9 (-1.4%)
	C	4.1 (6.3%)	-0.6 (-0.8%)
	AVG	2.2 (3.4%)	0.8 (1.2%)
OCT	W	3.3 (5.5%)	-0.7 (-1%)
	AN	2.7 (4.5%)	-0.6 (-1%)
	BN	3.3 (5.6%)	-0.3 (-0.5%)
	D	3.8 (6.5%)	-0.3 (-0.5%)
	C	3.6 (6.1%)	-0.1 (-0.2%)
	AVG	3.4 (5.7%)	-0.4 (-0.7%)
NOV	W	3.7 (7%)	-0.5 (-0.8%)
	AN	3.5 (6.5%)	-0.4 (-0.6%)
	BN	3.7 (7%)	-0.3 (-0.5%)
	D	4.1 (7.9%)	-0.4 (-0.6%)
	C	4 (7.4%)	0 (0%)
	AVG	3.8 (7.2%)	-0.3 (-0.6%)
DEC	W	3.4 (7.1%)	0 (-0.1%)
	AN	4.1 (8.6%)	-0.3 (-0.5%)
	BN	4.1 (8.9%)	0 (0.1%)
	D	4 (8.5%)	0 (0%)
	C	3.9 (8.3%)	0.1 (0.2%)
	AVG	3.8 (8.1%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.5.13 Feather River at Honcut Creek

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 5 Model Scenarios in the Feather River at Honcut Creek, Year-Round

Alternative 5: Feather River at Honcut Creek				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
JAN	W	47	50	50
	AN	46	49	49
	BN	46	49	49
	D	45	48	48
	C	46	49	49
	AVG	46	49	49
FEB	W	49	52	52
	AN	49	53	52
	BN	50	53	53
	D	50	53	53
	C	51	54	54
	AVG	50	53	53
MAR	W	52	54	54
	AN	53	55	54
	BN	54	57	57
	D	55	58	58
	C	55	58	58
	AVG	53	56	56
APR	W	56	58	58
	AN	59	61	61
	BN	60	62	61
	D	60	62	62
	C	59	62	62
	AVG	58	61	61
MAY	W	62	65	65
	AN	65	67	67
	BN	65	67	67
	D	65	67	67
	C	65	68	68
	AVG	64	67	67
JUN	W	67	70	69
	AN	69	72	70
	BN	69	72	70
	D	70	73	72
	C	69	73	73
	AVG	69	72	71
JUL	W	71	72	71
	AN	69	71	71
	BN	69	72	71
	D	69	72	73
	C	71	76	77
	AVG	70	72	73

Alternative 5: Feather River at Honcut Creek				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
AUG	W	72	72	73
	AN	69	71	71
	BN	69	72	72
	D	68	73	74
	C	72	76	76
	AVG	70	73	74
SEP	W	66	64	67
	AN	66	65	69
	BN	67	69	69
	D	66	70	69
	C	66	71	71
	AVG	66	68	69
OCT	W	59	63	62
	AN	60	64	63
	BN	60	64	63
	D	59	63	63
	C	60	64	63
	AVG	60	63	63
NOV	W	53	57	56
	AN	54	58	57
	BN	53	57	57
	D	53	57	57
	C	54	57	57
	AVG	53	57	57
DEC	W	47	51	51
	AN	47	52	51
	BN	46	51	51
	D	46	50	50
	C	46	50	50
	AVG	47	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Honcut Creek, Year-Round

Alternative 5: Feather River at Honcut Creek			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
JAN	W	2.9 (6.2%)	0.2 (0.5%)
	AN	2.9 (6.2%)	0 (-0.1%)
	BN	2.8 (6%)	0 (0.1%)
	D	2.8 (6.3%)	0 (0.1%)
	C	3.1 (6.8%)	-0.1 (-0.3%)
	AVG	2.9 (6.3%)	0.1 (0.1%)
FEB	W	2.6 (5.2%)	-0.1 (-0.2%)
	AN	2.9 (6%)	-0.1 (-0.2%)
	BN	3 (6%)	0 (0%)
	D	2.8 (5.6%)	0 (0%)
	C	3 (5.9%)	0 (-0.1%)
	AVG	2.8 (5.6%)	-0.1 (-0.1%)
MAR	W	2.4 (4.7%)	0.1 (0.3%)
	AN	1.4 (2.6%)	-0.3 (-0.6%)
	BN	3.2 (6%)	0.2 (0.3%)
	D	2.4 (4.4%)	0 (-0.1%)
	C	2.8 (5.1%)	0 (0%)
	AVG	2.5 (4.6%)	0 (0%)
APR	W	2.1 (3.7%)	0 (0.1%)
	AN	2.3 (4%)	0 (0%)
	BN	1.8 (3%)	-0.2 (-0.3%)
	D	2.3 (3.8%)	0 (-0.1%)
	C	2.5 (4.3%)	0.1 (0.1%)
	AVG	2.2 (3.7%)	0 (0%)
MAY	W	3.2 (5.1%)	0 (0%)
	AN	2.1 (3.2%)	0 (0%)
	BN	1.9 (3%)	-0.1 (-0.1%)
	D	1.9 (2.9%)	-0.1 (-0.2%)
	C	2.3 (3.6%)	0 (0%)
	AVG	2.4 (3.8%)	0 (-0.1%)
JUN	W	1.8 (2.6%)	-1.1 (-1.6%)
	AN	1.1 (1.6%)	-1.4 (-1.9%)
	BN	0.9 (1.3%)	-1.4 (-1.9%)
	D	2.5 (3.6%)	-0.4 (-0.6%)
	C	3.2 (4.6%)	0.1 (0.1%)
	AVG	1.9 (2.8%)	-0.9 (-1.2%)
JUL	W	0.4 (0.5%)	-0.4 (-0.5%)
	AN	1.6 (2.3%)	-0.1 (-0.1%)
	BN	1.7 (2.5%)	-0.6 (-0.8%)
	D	4 (5.8%)	1.4 (1.9%)
	C	6 (8.4%)	1.5 (2%)
	AVG	2.4 (3.4%)	0.3 (0.4%)

Alternative 5: Feather River at Honcut Creek			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
AUG	W	1.9 (2.6%)	1.2 (1.6%)
	AN	2.2 (3.2%)	0.3 (0.4%)
	BN	3.1 (4.4%)	0.6 (0.9%)
	D	6.1 (8.9%)	1.5 (2.1%)
	C	4.4 (6.2%)	0.2 (0.3%)
	AVG	3.4 (4.9%)	0.9 (1.2%)
SEP	W	0.8 (1.3%)	2.4 (3.8%)
	AN	2.9 (4.4%)	3.8 (5.9%)
	BN	2.8 (4.1%)	-0.1 (-0.2%)
	D	3.2 (4.8%)	-0.7 (-1%)
	C	4.1 (6.1%)	-0.5 (-0.7%)
	AVG	2.4 (3.7%)	1.1 (1.6%)
OCT	W	3.3 (5.5%)	-0.6 (-1%)
	AN	2.6 (4.3%)	-0.6 (-1%)
	BN	3.3 (5.5%)	-0.3 (-0.5%)
	D	3.7 (6.3%)	-0.3 (-0.5%)
	C	3.5 (5.9%)	-0.2 (-0.4%)
	AVG	3.3 (5.6%)	-0.4 (-0.7%)
NOV	W	3.7 (6.9%)	-0.4 (-0.8%)
	AN	3.5 (6.5%)	-0.4 (-0.6%)
	BN	3.7 (6.9%)	-0.3 (-0.5%)
	D	4 (7.6%)	-0.3 (-0.6%)
	C	3.9 (7.2%)	0 (0%)
	AVG	3.7 (7.1%)	-0.3 (-0.5%)
DEC	W	3.3 (7%)	0 (-0.1%)
	AN	4 (8.6%)	-0.3 (-0.5%)
	BN	4.1 (8.7%)	0 (0.1%)
	D	3.9 (8.4%)	0 (0%)
	C	3.7 (8.1%)	0.2 (0.4%)
	AVG	3.7 (8%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.5.14 Feather River at the Confluence with the Sacramento River

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 5 Model Scenarios in the Feather River at Confluence with the Sacramento River, Year-Round

Alternative 5: Feather River at the Confluence with the Sacramento River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
JAN	W	47	48	49
	AN	46	48	48
	BN	46	47	47
	D	45	47	47
	C	45	48	48
	AVG	46	48	48
FEB	W	50	52	52
	AN	50	52	52
	BN	50	51	51
	D	50	52	52
	C	51	53	53
	AVG	50	52	52
MAR	W	53	55	55
	AN	54	56	56
	BN	55	57	57
	D	55	57	57
	C	56	58	58
	AVG	55	56	56
APR	W	59	60	60
	AN	60	62	62
	BN	61	62	62
	D	62	64	64
	C	63	65	65
	AVG	61	63	62
MAY	W	65	68	68
	AN	66	69	69
	BN	67	69	69
	D	68	70	70
	C	68	71	71
	AVG	66	69	69
JUN	W	70	73	72
	AN	71	75	74
	BN	72	75	74
	D	73	77	77
	C	72	76	76
	AVG	71	75	74

Alternative 5: Feather River at the Confluence with the Sacramento River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
JUL	W	74	76	76
	AN	72	75	75
	BN	73	76	75
	D	73	76	77
	C	75	79	80
	AVG	73	76	77
AUG	W	73	76	76
	AN	71	74	74
	BN	72	75	75
	D	72	76	77
	C	75	79	79
	AVG	73	76	76
SEP	W	71	70	72
	AN	70	70	73
	BN	70	73	74
	D	70	74	74
	C	70	74	74
	AVG	70	72	73
OCT	W	61	64	64
	AN	62	64	64
	BN	61	64	64
	D	61	64	64
	C	62	65	65
	AVG	61	64	64
NOV	W	52	55	55
	AN	53	56	56
	BN	53	55	55
	D	52	55	55
	C	53	56	56
	AVG	53	55	55
DEC	W	47	49	49
	AN	47	50	50
	BN	46	49	49
	D	46	49	49
	C	45	47	48
	AVG	46	49	49

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at the Confluence with the Sacramento River, Year-Round

Alternative 5: Feather River at the Confluence with the Sacramento River			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
JAN	W	2 (4.3%)	0.1 (0.3%)
	AN	1.8 (3.9%)	0 (-0.1%)
	BN	1.9 (4.1%)	0 (0.1%)
	D	2.1 (4.7%)	0 (0%)
	C	2.2 (4.8%)	-0.1 (-0.2%)
	AVG	2 (4.4%)	0 (0.1%)
FEB	W	1.9 (3.9%)	0 (0%)
	AN	1.9 (3.8%)	0 (-0.1%)
	BN	1.7 (3.4%)	0 (-0.1%)
	D	1.9 (3.8%)	0 (0%)
	C	2.2 (4.3%)	0 (0%)
	AVG	1.9 (3.8%)	0 (0%)
MAR	W	1.8 (3.3%)	0.1 (0.1%)
	AN	1.2 (2.3%)	-0.1 (-0.2%)
	BN	1.9 (3.4%)	0 (0.1%)
	D	1.7 (3.1%)	0 (-0.1%)
	C	2.1 (3.7%)	0 (0.1%)
	AVG	1.7 (3.2%)	0 (0%)
APR	W	1.6 (2.7%)	0 (0%)
	AN	1.9 (3.2%)	0 (0%)
	BN	1.5 (2.4%)	-0.2 (-0.3%)
	D	2 (3.2%)	-0.1 (-0.1%)
	C	2.1 (3.3%)	-0.1 (-0.2%)
	AVG	1.8 (2.9%)	-0.1 (-0.1%)
MAY	W	3 (4.6%)	0 (0%)
	AN	3 (4.5%)	0 (0%)
	BN	2.5 (3.8%)	0 (-0.1%)
	D	2.5 (3.7%)	-0.1 (-0.2%)
	C	2.7 (4%)	0 (0%)
	AVG	2.8 (4.2%)	0 (0%)
JUN	W	2.8 (4%)	-0.7 (-1%)
	AN	2.5 (3.5%)	-0.9 (-1.2%)
	BN	2.5 (3.4%)	-0.9 (-1.2%)
	D	3.5 (4.8%)	-0.3 (-0.4%)
	C	3.5 (4.8%)	0 (0%)
	AVG	2.9 (4.1%)	-0.6 (-0.8%)
JUL	W	2.3 (3.1%)	-0.3 (-0.4%)
	AN	2.6 (3.5%)	-0.1 (-0.1%)
	BN	2.6 (3.6%)	-0.5 (-0.7%)
	D	4.3 (5.9%)	1 (1.3%)
	C	5.7 (7.7%)	1.2 (1.5%)
	AVG	3.3 (4.6%)	0.2 (0.2%)

Alternative 5: Feather River at the Confluence with the Sacramento River			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
AUG	W	3.2 (4.4%)	0.7 (0.9%)
	AN	2.8 (3.9%)	0.1 (0.1%)
	BN	3.3 (4.6%)	0.3 (0.4%)
	D	5.7 (8%)	1 (1.3%)
	C	4.5 (6%)	0.2 (0.2%)
	AVG	3.9 (5.4%)	0.5 (0.7%)
SEP	W	1.3 (1.8%)	2 (2.8%)
	AN	3 (4.3%)	3.1 (4.4%)
	BN	4.1 (5.8%)	1.1 (1.5%)
	D	4.4 (6.3%)	0 (0%)
	C	3.5 (5%)	-0.2 (-0.2%)
	AVG	3 (4.3%)	1.2 (1.7%)
OCT	W	2.9 (4.7%)	-0.3 (-0.4%)
	AN	2.2 (3.6%)	-0.4 (-0.6%)
	BN	2.8 (4.6%)	-0.1 (-0.1%)
	D	2.9 (4.8%)	-0.2 (-0.3%)
	C	3 (4.8%)	-0.3 (-0.5%)
	AVG	2.8 (4.6%)	-0.2 (-0.4%)
NOV	W	2.6 (5%)	-0.1 (-0.3%)
	AN	2.7 (5%)	-0.2 (-0.4%)
	BN	2.7 (5.2%)	-0.1 (-0.2%)
	D	2.7 (5.2%)	-0.1 (-0.2%)
	C	2.8 (5.2%)	0 (0%)
	AVG	2.7 (5.1%)	-0.1 (-0.2%)
DEC	W	2 (4.2%)	0.1 (0.1%)
	AN	2.7 (5.8%)	-0.2 (-0.4%)
	BN	2.8 (6.1%)	0 (0.1%)
	D	2.5 (5.5%)	0 (-0.1%)
	C	2.7 (5.9%)	0.3 (0.6%)
	AVG	2.4 (5.3%)	0 (0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.5.15 American River below Nimbus Dam

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 5 Model Scenarios in the American River below Nimbus Dam, Year-Round

Alternative 5: American River below Nimbus Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
JAN	W	47	50	50
	AN	47	49	49
	BN	46	49	49
	D	47	49	49
	C	47	50	50
	AVG	47	50	50
FEB	W	48	51	51
	AN	48	52	52
	BN	47	51	51
	D	49	52	52
	C	51	54	54
	AVG	48	52	52
MAR	W	52	55	55
	AN	53	56	56
	BN	53	56	56
	D	53	57	57
	C	55	58	58
	AVG	53	56	56
APR	W	56	59	59
	AN	57	60	60
	BN	57	61	61
	D	59	62	62
	C	59	63	63
	AVG	58	60	61
MAY	W	60	64	64
	AN	61	66	66
	BN	61	65	65
	D	64	67	67
	C	64	68	68
	AVG	62	66	66
JUN	W	64	67	66
	AN	65	68	68
	BN	65	68	68
	D	67	69	68
	C	68	72	72
	AVG	66	68	68
JUL	W	66	68	68
	AN	66	66	67
	BN	66	67	67
	D	67	69	70
	C	70	74	75
	AVG	67	69	69

Alternative 5: American River below Nimbus Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
AUG	W	67	70	70
	AN	67	69	69
	BN	67	69	70
	D	67	71	72
	C	70	76	77
	AVG	67	71	71
SEP	W	65	68	68
	AN	66	69	69
	BN	66	69	69
	D	66	71	72
	C	68	73	73
	AVG	66	70	70
OCT	W	58	68	68
	AN	59	68	68
	BN	58	68	68
	D	59	67	68
	C	61	68	68
	AVG	59	68	68
NOV	W	57	61	61
	AN	57	61	61
	BN	56	61	60
	D	57	61	60
	C	58	61	61
	AVG	57	61	61
DEC	W	50	53	53
	AN	51	53	53
	BN	50	52	52
	D	50	53	53
	C	50	52	52
	AVG	50	53	53

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River below Nimbus Dam, Year-Round

Alternative 5: American River below Nimbus Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
JAN	W	3.1 (6.7%)	0 (0.1%)
	AN	2.7 (5.7%)	0 (0.1%)
	BN	3 (6.5%)	0 (0%)
	D	2.8 (6%)	-0.1 (-0.1%)
	C	2.9 (6.1%)	-0.1 (-0.3%)
	AVG	2.9 (6.3%)	0 (0%)
FEB	W	3.5 (7.2%)	0 (0%)
	AN	3.8 (7.9%)	0 (0%)
	BN	3.3 (7%)	0 (0.1%)
	D	3.4 (7%)	0 (0%)
	C	3.4 (6.7%)	0.1 (0.2%)
	AVG	3.5 (7.1%)	0 (0%)
MAR	W	3.1 (6%)	0 (0%)
	AN	2.9 (5.6%)	0 (0%)
	BN	2.6 (5%)	0 (0%)
	D	3.4 (6.4%)	0 (0%)
	C	3.1 (5.6%)	0.1 (0.2%)
	AVG	3.1 (5.8%)	0 (0%)
APR	W	3 (5.3%)	0 (0%)
	AN	3.2 (5.5%)	0 (0%)
	BN	3.1 (5.4%)	0 (-0.1%)
	D	2.5 (4.2%)	-0.1 (-0.1%)
	C	3.7 (6.3%)	0.5 (0.8%)
	AVG	3 (5.2%)	0.1 (0.1%)
MAY	W	4.2 (7%)	0 (0%)
	AN	4.6 (7.5%)	-0.2 (-0.3%)
	BN	3.9 (6.5%)	-0.2 (-0.3%)
	D	2.6 (4.1%)	-0.4 (-0.6%)
	C	3.8 (5.9%)	0.2 (0.2%)
	AVG	3.8 (6.1%)	-0.1 (-0.2%)
JUN	W	2.6 (4%)	-0.4 (-0.7%)
	AN	2.4 (3.7%)	-0.4 (-0.6%)
	BN	2.5 (3.9%)	-0.5 (-0.7%)
	D	1.4 (2.1%)	-0.4 (-0.6%)
	C	3.6 (5.3%)	-0.6 (-0.9%)
	AVG	2.4 (3.7%)	-0.5 (-0.7%)
JUL	W	1.4 (2.2%)	-0.1 (-0.1%)
	AN	1.1 (1.6%)	0.6 (1%)
	BN	1.2 (1.9%)	0.1 (0.1%)
	D	2.8 (4.3%)	0.6 (0.9%)
	C	4.9 (7%)	0.5 (0.6%)
	AVG	2.2 (3.3%)	0.3 (0.4%)

Alternative 5: American River below Nimbus Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
AUG	W	3.4 (5.1%)	0.2 (0.3%)
	AN	1.9 (2.8%)	-0.2 (-0.3%)
	BN	2.5 (3.7%)	0.6 (0.9%)
	D	5 (7.5%)	0.8 (1.1%)
	C	7.3 (10.4%)	1 (1.3%)
	AVG	4 (5.9%)	0.5 (0.7%)
SEP	W	3 (4.6%)	0.3 (0.4%)
	AN	3.1 (4.7%)	0 (0%)
	BN	3 (4.6%)	0.3 (0.4%)
	D	5.4 (8.2%)	0.4 (0.6%)
	C	4.9 (7.2%)	0.1 (0.1%)
	AVG	3.8 (5.8%)	0.2 (0.3%)
OCT	W	9.2 (15.8%)	-0.1 (-0.1%)
	AN	9 (15.2%)	0.3 (0.4%)
	BN	10 (17.1%)	0.2 (0.4%)
	D	8.4 (14.3%)	0.1 (0.2%)
	C	7.1 (11.7%)	-0.3 (-0.4%)
	AVG	8.8 (15%)	0 (0.1%)
NOV	W	3.7 (6.4%)	-0.2 (-0.3%)
	AN	3.6 (6.3%)	-0.2 (-0.4%)
	BN	4.2 (7.4%)	-0.2 (-0.4%)
	D	3.8 (6.8%)	0 (0%)
	C	3.5 (6%)	-0.1 (-0.2%)
	AVG	3.8 (6.6%)	-0.1 (-0.2%)
DEC	W	2.5 (5.1%)	-0.1 (-0.1%)
	AN	2.6 (5.1%)	-0.1 (-0.2%)
	BN	2.6 (5.2%)	-0.1 (-0.2%)
	D	2.6 (5.3%)	0 (-0.1%)
	C	2.3 (4.7%)	-0.2 (-0.4%)
	AVG	2.6 (5.1%)	-0.1 (-0.2%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.5.16 American River at Watt Avenue

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 5 Model Scenarios in the American River at Watt Avenue, Year-Round

Alternative 5: American River at Watt Avenue				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
JAN	W	47	50	50
	AN	47	49	49
	BN	46	49	49
	D	46	49	49
	C	46	49	49
	AVG	46	49	49
FEB	W	48	52	52
	AN	48	52	52
	BN	48	51	51
	D	49	52	52
	C	51	54	54
	AVG	49	52	52
MAR	W	53	56	56
	AN	53	56	56
	BN	54	56	56
	D	54	57	57
	C	56	58	58
	AVG	54	56	56
APR	W	56	59	59
	AN	58	61	61
	BN	58	61	61
	D	60	63	63
	C	61	64	64
	AVG	58	61	61
MAY	W	61	65	65
	AN	62	67	67
	BN	62	67	66
	D	65	68	68
	C	66	69	69
	AVG	63	67	67
JUN	W	65	68	68
	AN	67	70	69
	BN	67	70	69
	D	69	71	71
	C	69	73	73
	AVG	67	70	70
JUL	W	68	70	70
	AN	67	68	69
	BN	67	69	69
	D	68	71	72
	C	72	76	76
	AVG	68	71	71

Alternative 5: American River at Watt Avenue				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
AUG	W	68	72	72
	AN	69	72	71
	BN	69	72	72
	D	69	73	74
	C	71	77	77
	AVG	69	73	73
SEP	W	66	69	69
	AN	66	70	70
	BN	67	70	71
	D	67	72	72
	C	69	73	74
	AVG	67	71	71
OCT	W	59	67	67
	AN	60	67	67
	BN	59	68	68
	D	60	67	67
	C	61	68	67
	AVG	60	67	67
NOV	W	56	60	60
	AN	56	60	60
	BN	56	60	59
	D	56	59	59
	C	57	60	60
	AVG	56	60	60
DEC	W	50	52	52
	AN	50	52	52
	BN	49	51	51
	D	49	52	52
	C	49	51	51
	AVG	49	52	52

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River at Watt Avenue, Year-Round

Alternative 5: American River at Watt Avenue			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
JAN	W	3.1 (6.7%)	0 (0.1%)
	AN	2.7 (5.8%)	0 (0%)
	BN	2.9 (6.3%)	0 (0%)
	D	2.7 (5.8%)	-0.1 (-0.1%)
	C	2.8 (6.1%)	-0.1 (-0.2%)
	AVG	2.9 (6.2%)	0 (0%)
FEB	W	3.4 (7.1%)	0 (0%)
	AN	3.7 (7.7%)	0 (0%)
	BN	3.2 (6.6%)	0 (0%)
	D	3.2 (6.5%)	0 (-0.1%)
	C	3.3 (6.5%)	0 (0.1%)
	AVG	3.3 (6.9%)	0 (0%)
MAR	W	3 (5.7%)	0 (0%)
	AN	2.8 (5.4%)	0 (0%)
	BN	2.5 (4.8%)	0 (0%)
	D	3.2 (5.9%)	0 (0%)
	C	2.8 (5%)	0.1 (0.1%)
	AVG	2.9 (5.4%)	0 (0%)
APR	W	2.9 (5.1%)	0 (0%)
	AN	3.1 (5.4%)	0 (0%)
	BN	3 (5.1%)	0 (0%)
	D	2.5 (4.2%)	0 (-0.1%)
	C	3.1 (5.2%)	0.3 (0.5%)
	AVG	2.9 (4.9%)	0 (0.1%)
MAY	W	4.2 (7%)	0 (-0.1%)
	AN	4.6 (7.4%)	-0.2 (-0.3%)
	BN	3.8 (6.1%)	-0.3 (-0.4%)
	D	2.6 (4%)	-0.4 (-0.6%)
	C	3.4 (5.2%)	0.1 (0.1%)
	AVG	3.7 (5.9%)	-0.2 (-0.2%)
JUN	W	2.9 (4.5%)	-0.5 (-0.8%)
	AN	2.5 (3.7%)	-0.5 (-0.7%)
	BN	2.5 (3.8%)	-0.6 (-0.8%)
	D	1.8 (2.6%)	-0.5 (-0.7%)
	C	3.3 (4.8%)	-0.6 (-0.8%)
	AVG	2.6 (3.9%)	-0.5 (-0.8%)
JUL	W	2 (2.9%)	-0.1 (-0.1%)
	AN	1.6 (2.3%)	0.7 (1.1%)
	BN	1.8 (2.7%)	0.1 (0.2%)
	D	3.3 (4.8%)	0.4 (0.6%)
	C	3.9 (5.4%)	0 (0%)
	AVG	2.5 (3.6%)	0.2 (0.3%)

Alternative 5: American River at Watt Avenue			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
AUG	W	4.4 (6.4%)	0.2 (0.3%)
	AN	2.7 (4%)	-0.2 (-0.3%)
	BN	3.4 (4.9%)	0.8 (1.1%)
	D	5.4 (7.9%)	0.8 (1.1%)
	C	5.9 (8.3%)	0.5 (0.7%)
	AVG	4.4 (6.4%)	0.4 (0.6%)
SEP	W	3.3 (5%)	0.3 (0.5%)
	AN	3.4 (5.1%)	-0.1 (-0.1%)
	BN	3.6 (5.4%)	0.3 (0.4%)
	D	5.1 (7.5%)	0.3 (0.4%)
	C	4.4 (6.4%)	0.1 (0.1%)
	AVG	3.9 (5.9%)	0.2 (0.3%)
OCT	W	7.6 (12.9%)	-0.1 (-0.2%)
	AN	7.6 (12.7%)	0.2 (0.2%)
	BN	8.5 (14.3%)	0.2 (0.3%)
	D	6.9 (11.6%)	0.1 (0.2%)
	C	6 (9.8%)	-0.2 (-0.2%)
	AVG	7.4 (12.3%)	0 (0%)
NOV	W	3.4 (5.9%)	-0.2 (-0.4%)
	AN	3.4 (6%)	-0.2 (-0.3%)
	BN	3.8 (6.8%)	-0.2 (-0.4%)
	D	3.5 (6.2%)	0 (0%)
	C	3.3 (5.7%)	-0.1 (-0.2%)
	AVG	3.4 (6.1%)	-0.1 (-0.2%)
DEC	W	2.4 (4.8%)	-0.1 (-0.2%)
	AN	2.4 (4.9%)	-0.1 (-0.2%)
	BN	2.5 (5.1%)	-0.1 (-0.2%)
	D	2.4 (5%)	0 (0%)
	C	2 (4.1%)	-0.3 (-0.6%)
	AVG	2.4 (4.8%)	-0.1 (-0.2%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.5.17 American River at the Confluence with the Sacramento River

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 5 Model Scenarios in the American River at the Confluence with the Sacramento River, Year-Round

Alternative 5: American River at the Confluence with the Sacramento River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
JAN	W	47	50	50
	AN	46	49	49
	BN	46	48	48
	D	46	48	48
	C	46	49	49
	AVG	46	49	49
FEB	W	48	52	52
	AN	48	52	52
	BN	48	51	51
	D	49	52	52
	C	51	55	55
	AVG	49	52	52
MAR	W	53	56	56
	AN	53	56	56
	BN	54	56	56
	D	55	58	58
	C	56	59	59
	AVG	54	57	57
APR	W	57	60	60
	AN	58	61	61
	BN	59	62	62
	D	61	63	63
	C	62	64	65
	AVG	59	62	62
MAY	W	61	66	66
	AN	63	68	68
	BN	63	67	67
	D	66	69	68
	C	67	70	70
	AVG	64	67	67
JUN	W	65	69	68
	AN	68	71	70
	BN	68	71	70
	D	70	72	72
	C	70	74	73
	AVG	68	71	70

Alternative 5: American River at the Confluence with the Sacramento River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
JUL	W	69	71	71
	AN	68	69	70
	BN	68	70	70
	D	69	72	73
	C	73	76	76
	AVG	69	72	72
AUG	W	69	73	74
	AN	69	73	73
	BN	70	73	74
	D	69	74	75
	C	72	77	78
	AVG	70	74	74
SEP	W	66	69	70
	AN	67	70	70
	BN	67	71	71
	D	68	72	73
	C	69	74	74
	AVG	67	71	71
OCT	W	60	67	67
	AN	60	67	67
	BN	60	67	67
	D	60	66	66
	C	62	67	67
	AVG	60	67	67
NOV	W	56	60	59
	AN	56	60	59
	BN	55	59	59
	D	56	59	59
	C	57	60	60
	AVG	56	59	59
DEC	W	49	52	52
	AN	49	52	52
	BN	48	51	51
	D	49	51	51
	C	48	50	50
	AVG	49	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River at the Confluence with the Sacramento River, Year-Round

Alternative 5: American River at the Confluence with the Sacramento River			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
JAN	W	3.1 (6.7%)	0 (0.1%)
	AN	2.8 (5.9%)	0 (0.1%)
	BN	2.8 (6.2%)	0 (0%)
	D	2.6 (5.6%)	-0.1 (-0.2%)
	C	2.9 (6.2%)	0 (-0.1%)
	AVG	2.9 (6.2%)	0 (0%)
FEB	W	3.4 (7%)	0 (0%)
	AN	3.7 (7.6%)	0 (0%)
	BN	3.1 (6.5%)	0 (0%)
	D	3.1 (6.3%)	0 (-0.1%)
	C	3.2 (6.3%)	0 (0.1%)
	AVG	3.3 (6.7%)	0 (0%)
MAR	W	2.9 (5.5%)	0 (0%)
	AN	2.8 (5.3%)	0 (0%)
	BN	2.5 (4.6%)	0 (0%)
	D	3.1 (5.7%)	0 (0.1%)
	C	2.6 (4.7%)	0.1 (0.1%)
	AVG	2.8 (5.3%)	0 (0%)
APR	W	2.8 (5%)	0 (0%)
	AN	3 (5.2%)	0 (0%)
	BN	2.9 (5%)	0 (0%)
	D	2.5 (4.2%)	0 (-0.1%)
	C	2.9 (4.7%)	0.2 (0.4%)
	AVG	2.8 (4.8%)	0 (0%)
MAY	W	4.3 (7%)	0 (-0.1%)
	AN	4.6 (7.3%)	-0.3 (-0.4%)
	BN	3.8 (6%)	-0.3 (-0.4%)
	D	2.6 (3.9%)	-0.4 (-0.5%)
	C	3.2 (4.8%)	0 (0.1%)
	AVG	3.7 (5.8%)	-0.2 (-0.3%)
JUN	W	3.1 (4.7%)	-0.6 (-0.9%)
	AN	2.5 (3.7%)	-0.5 (-0.7%)
	BN	2.5 (3.7%)	-0.6 (-0.8%)
	D	2 (2.8%)	-0.5 (-0.7%)
	C	3.3 (4.6%)	-0.6 (-0.8%)
	AVG	2.7 (4%)	-0.6 (-0.8%)
JUL	W	2.3 (3.3%)	-0.1 (-0.1%)
	AN	1.8 (2.7%)	0.8 (1.2%)
	BN	2.1 (3.2%)	0.1 (0.2%)
	D	3.5 (5%)	0.3 (0.4%)
	C	3.5 (4.9%)	-0.2 (-0.3%)
	AVG	2.6 (3.8%)	0.1 (0.2%)

Alternative 5: American River at the Confluence with the Sacramento River			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
AUG	W	4.8 (7%)	0.2 (0.3%)
	AN	3.1 (4.5%)	-0.2 (-0.3%)
	BN	3.8 (5.4%)	0.9 (1.2%)
	D	5.5 (7.9%)	0.8 (1.1%)
	C	5.5 (7.6%)	0.4 (0.5%)
	AVG	4.7 (6.7%)	0.4 (0.6%)
SEP	W	3.5 (5.2%)	0.3 (0.5%)
	AN	3.5 (5.3%)	-0.1 (-0.1%)
	BN	4 (5.9%)	0.3 (0.5%)
	D	4.9 (7.2%)	0.2 (0.3%)
	C	4.2 (6%)	0 (0.1%)
	AVG	4 (5.9%)	0.2 (0.3%)
OCT	W	6.8 (11.4%)	-0.1 (-0.2%)
	AN	6.9 (11.5%)	0.1 (0.1%)
	BN	7.6 (12.8%)	0.2 (0.3%)
	D	6.2 (10.3%)	0.1 (0.2%)
	C	5.4 (8.8%)	-0.1 (-0.2%)
	AVG	6.6 (11%)	0 (0%)
NOV	W	3.2 (5.7%)	-0.2 (-0.4%)
	AN	3.3 (5.9%)	-0.2 (-0.3%)
	BN	3.6 (6.4%)	-0.3 (-0.4%)
	D	3.2 (5.8%)	0 (0%)
	C	3.1 (5.5%)	-0.1 (-0.2%)
	AVG	3.3 (5.8%)	-0.2 (-0.3%)
DEC	W	2.3 (4.7%)	-0.1 (-0.2%)
	AN	2.4 (4.9%)	-0.1 (-0.2%)
	BN	2.5 (5.1%)	-0.1 (-0.2%)
	D	2.3 (4.8%)	0 (0%)
	C	1.9 (4%)	-0.3 (-0.5%)
	AVG	2.3 (4.7%)	-0.1 (-0.2%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.5.18 Stanislaus River at Knights Ferry

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 5 Model Scenarios in the Stanislaus River at Knights Ferry, Year-Round

Alternative 5: Stanislaus River at Knights Ferry				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
JAN	W	49	52	52
	AN	49	52	52
	BN	49	52	52
	D	48	51	51
	C	49	52	52
	AVG	49	52	52
FEB	W	49	52	52
	AN	49	52	52
	BN	49	52	52
	D	49	52	52
	C	50	53	53
	AVG	49	52	52
MAR	W	49	52	52
	AN	49	53	53
	BN	51	54	54
	D	51	54	54
	C	52	55	55
	AVG	50	54	54
APR	W	50	53	53
	AN	50	54	54
	BN	51	55	55
	D	52	55	55
	C	53	57	57
	AVG	51	54	54
MAY	W	51	55	55
	AN	53	56	56
	BN	54	57	57
	D	55	58	58
	C	56	59	59
	AVG	53	57	57
JUN	W	54	56	56
	AN	56	59	59
	BN	58	61	61
	D	59	63	63
	C	60	64	64
	AVG	57	60	60
JUL	W	57	59	59
	AN	59	62	62
	BN	60	63	63
	D	61	65	65
	C	62	66	66
	AVG	59	63	63

Alternative 5: Stanislaus River at Knights Ferry				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
AUG	W	58	61	61
	AN	60	63	63
	BN	60	64	64
	D	61	65	65
	C	62	67	67
	AVG	60	64	64
SEP	W	59	62	62
	AN	60	64	64
	BN	61	64	64
	D	62	65	65
	C	63	67	67
	AVG	61	64	64
OCT	W	59	62	62
	AN	59	62	62
	BN	59	62	62
	D	58	62	62
	C	60	64	64
	AVG	59	63	63
NOV	W	56	59	59
	AN	56	59	59
	BN	56	59	59
	D	56	59	59
	C	57	61	61
	AVG	56	60	60
DEC	W	52	55	55
	AN	52	55	55
	BN	51	54	54
	D	51	54	54
	C	52	55	55
	AVG	51	55	55

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Knights Ferry, Year-Round

Alternative 5: Stanislaus River at Knights Ferry			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
JAN	W	3.1 (6.3%)	0 (0%)
	AN	3.1 (6.4%)	0 (0%)
	BN	3.1 (6.4%)	0 (0%)
	D	3 (6.3%)	0 (0%)
	C	3.1 (6.2%)	0 (0%)
	AVG	3.1 (6.3%)	0 (0%)
FEB	W	3.1 (6.4%)	0 (0%)
	AN	3.2 (6.5%)	0 (0%)
	BN	3 (6.2%)	0 (0%)
	D	3.2 (6.5%)	0 (0%)
	C	3.1 (6.2%)	0 (0%)
	AVG	3.1 (6.4%)	0 (0%)
MAR	W	3.2 (6.6%)	0 (0%)
	AN	3.6 (7.3%)	0 (0%)
	BN	3.1 (6.1%)	0 (0%)
	D	3.3 (6.5%)	0 (0%)
	C	3 (5.8%)	0 (0%)
	AVG	3.3 (6.5%)	0 (0%)
APR	W	3.1 (6.2%)	0 (0%)
	AN	3.3 (6.6%)	0 (0%)
	BN	3.4 (6.6%)	0 (0%)
	D	3.5 (6.7%)	0 (0%)
	C	3.6 (6.7%)	0 (0%)
	AVG	3.3 (6.5%)	0 (0%)
MAY	W	3 (5.9%)	0 (0%)
	AN	3.1 (5.9%)	0 (0%)
	BN	3.5 (6.5%)	0 (0%)
	D	3.4 (6.2%)	0 (0%)
	C	3.3 (5.9%)	0 (0%)
	AVG	3.2 (6%)	0 (0%)
JUN	W	2.6 (4.8%)	0 (0%)
	AN	3.3 (6%)	0 (0%)
	BN	3.6 (6.3%)	0 (0%)
	D	3.8 (6.5%)	0 (0%)
	C	4.1 (6.9%)	0 (0%)
	AVG	3.4 (6%)	0 (0%)
JUL	W	2.5 (4.4%)	0 (0%)
	AN	3.4 (5.7%)	0 (0%)
	BN	3.5 (5.9%)	0 (0%)
	D	3.7 (6.1%)	0 (0%)
	C	4.1 (6.6%)	0 (0%)
	AVG	3.3 (5.6%)	0 (0%)

Alternative 5: Stanislaus River at Knights Ferry			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
AUG	W	3.4 (5.8%)	0 (0%)
	AN	3.4 (5.7%)	0 (0%)
	BN	3.5 (5.8%)	0 (0%)
	D	3.6 (5.8%)	0 (0%)
	C	4.3 (6.9%)	0 (0%)
	AVG	3.6 (6%)	0 (0%)
SEP	W	3.5 (6%)	0 (0%)
	AN	3.6 (6%)	0 (0%)
	BN	3.6 (5.9%)	0 (0%)
	D	3.7 (6%)	0 (0%)
	C	4 (6.3%)	0.1 (0.1%)
	AVG	3.7 (6%)	0 (0%)
OCT	W	3.5 (5.9%)	0 (0%)
	AN	3 (5.1%)	0 (0%)
	BN	3.3 (5.6%)	0 (0%)
	D	3.4 (5.9%)	0 (0%)
	C	3.7 (6.1%)	0 (0%)
	AVG	3.4 (5.7%)	0 (0%)
NOV	W	3.3 (5.8%)	0 (0%)
	AN	3.1 (5.5%)	0 (0%)
	BN	3.3 (5.8%)	0 (0%)
	D	3.4 (6%)	0 (0%)
	C	3.5 (6%)	0 (0%)
	AVG	3.3 (5.8%)	0 (0%)
DEC	W	3.3 (6.4%)	0 (0%)
	AN	3.1 (5.9%)	0 (0%)
	BN	3.3 (6.4%)	0 (0%)
	D	3.2 (6.2%)	0 (0%)
	C	3.3 (6.4%)	0 (0%)
	AVG	3.2 (6.3%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.5.19 Stanislaus River at Orange Blossom Bridge

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 5 Model Scenarios in the Stanislaus River at Orange Blossom Bridge, Year-Round

Alternative 5: Stanislaus River at Orange Blossom Bridge				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
JAN	W	48	51	51
	AN	48	51	51
	BN	48	51	51
	D	47	50	50
	C	48	51	51
	AVG	48	51	51
FEB	W	49	52	52
	AN	49	52	52
	BN	49	52	52
	D	49	52	52
	C	50	53	53
	AVG	49	52	52
MAR	W	49	53	53
	AN	50	54	54
	BN	52	55	55
	D	52	56	56
	C	53	56	56
	AVG	51	54	54
APR	W	50	53	53
	AN	51	54	54
	BN	52	56	56
	D	53	56	56
	C	55	58	58
	AVG	52	55	55
MAY	W	53	56	56
	AN	54	57	57
	BN	55	59	59
	D	56	60	60
	C	58	61	61
	AVG	55	58	58
JUN	W	56	58	58
	AN	58	62	62
	BN	60	64	64
	D	62	66	66
	C	63	67	67
	AVG	59	63	63
JUL	W	60	62	62
	AN	63	66	66
	BN	63	67	67
	D	64	68	68
	C	65	69	69
	AVG	63	66	66

Alternative 5: Stanislaus River at Orange Blossom Bridge				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
AUG	W	60	64	64
	AN	63	66	66
	BN	63	66	66
	D	64	68	68
	C	65	69	69
	AVG	63	66	66
SEP	W	60	64	64
	AN	63	66	66
	BN	63	67	67
	D	63	67	67
	C	64	68	68
	AVG	62	66	66
OCT	W	59	62	62
	AN	59	62	62
	BN	59	62	62
	D	59	62	62
	C	60	64	64
	AVG	59	62	62
NOV	W	55	58	58
	AN	55	58	58
	BN	55	58	58
	D	55	58	58
	C	56	59	59
	AVG	55	58	58
DEC	W	50	54	53
	AN	50	53	53
	BN	49	53	53
	D	50	52	52
	C	50	53	53
	AVG	50	53	53

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Orange Blossom Bridge, Year-Round

Alternative 5: Stanislaus River at Orange Blossom Bridge			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
JAN	W	3 (6.2%)	0 (0%)
	AN	3 (6.3%)	0 (0%)
	BN	2.9 (6.1%)	0 (0%)
	D	2.8 (5.9%)	0 (0%)
	C	2.8 (5.8%)	0 (0%)
	AVG	2.9 (6.1%)	0 (0%)
FEB	W	3.1 (6.3%)	0 (0%)
	AN	3.1 (6.3%)	0 (0%)
	BN	3 (6%)	0 (0%)
	D	3.2 (6.5%)	0 (0%)
	C	3.2 (6.3%)	0 (0%)
	AVG	3.1 (6.3%)	0 (0%)
MAR	W	3.2 (6.4%)	0 (0%)
	AN	3.7 (7.3%)	0 (0%)
	BN	3 (5.8%)	0 (0%)
	D	3.4 (6.6%)	0 (0%)
	C	3.1 (5.8%)	0 (0%)
	AVG	3.3 (6.4%)	0 (0%)
APR	W	3.1 (6.1%)	0 (0%)
	AN	3.3 (6.5%)	0 (0%)
	BN	3.5 (6.7%)	0 (0%)
	D	3.6 (6.8%)	0 (0%)
	C	3.6 (6.6%)	0 (0%)
	AVG	3.4 (6.5%)	0 (0%)
MAY	W	3.2 (6%)	0 (0%)
	AN	3.3 (6%)	0 (0%)
	BN	3.9 (7.1%)	0 (0%)
	D	3.6 (6.5%)	0 (0%)
	C	3.5 (6%)	0 (0%)
	AVG	3.4 (6.2%)	0 (0%)
JUN	W	2.3 (4.1%)	0 (0%)
	AN	3.8 (6.6%)	0 (0%)
	BN	3.9 (6.5%)	0 (0%)
	D	4.3 (6.9%)	0 (0%)
	C	4.1 (6.6%)	0 (0.1%)
	AVG	3.5 (5.9%)	0 (0%)
JUL	W	2.1 (3.5%)	0 (0%)
	AN	3.6 (5.7%)	0 (0%)
	BN	3.5 (5.6%)	0 (0%)
	D	3.8 (5.9%)	0 (0%)
	C	4 (6.2%)	0 (0%)
	AVG	3.2 (5.2%)	0 (0%)

Alternative 5: Stanislaus River at Orange Blossom Bridge			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
AUG	W	3.9 (6.4%)	0 (0%)
	AN	3.5 (5.7%)	0 (0%)
	BN	3.5 (5.5%)	0 (0%)
	D	3.5 (5.5%)	0 (0%)
	C	4.2 (6.5%)	0 (0%)
	AVG	3.7 (6%)	0 (0%)
SEP	W	3.8 (6.3%)	0 (0%)
	AN	3.9 (6.2%)	0 (0%)
	BN	3.7 (6%)	0 (0%)
	D	3.7 (5.9%)	0 (0%)
	C	3.8 (6%)	-0.1 (-0.1%)
	AVG	3.8 (6.1%)	0 (0%)
OCT	W	3.3 (5.6%)	0 (0%)
	AN	3 (5.1%)	0 (0%)
	BN	3.2 (5.4%)	0 (0%)
	D	3.4 (5.7%)	0 (0%)
	C	3.6 (5.9%)	0 (0%)
	AVG	3.3 (5.6%)	0 (0%)
NOV	W	3.1 (5.7%)	0 (0%)
	AN	3 (5.5%)	0 (0%)
	BN	3.2 (5.8%)	0 (0%)
	D	3.2 (5.9%)	0 (0%)
	C	3.2 (5.7%)	0 (0%)
	AVG	3.1 (5.7%)	0 (0%)
DEC	W	3.1 (6.3%)	0 (-0.1%)
	AN	2.9 (5.9%)	0 (0%)
	BN	3.3 (6.6%)	0 (0%)
	D	3 (6%)	0 (0%)
	C	3.1 (6.2%)	0 (0%)
	AVG	3.1 (6.2%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.5.20 Stanislaus River at Riverbank

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 5 Model Scenarios in the Stanislaus River at Riverbank, Year-Round

Alternative 5: Stanislaus River at Riverbank				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
JAN	W	47	50	50
	AN	47	49	49
	BN	46	49	49
	D	45	48	48
	C	46	49	49
	AVG	46	49	49
FEB	W	49	52	52
	AN	50	53	53
	BN	50	52	52
	D	50	53	53
	C	51	54	54
	AVG	50	53	53
MAR	W	51	54	54
	AN	52	55	55
	BN	53	56	56
	D	54	57	57
	C	54	57	57
	AVG	52	56	56
APR	W	52	55	55
	AN	53	56	56
	BN	54	57	57
	D	54	58	58
	C	57	60	60
	AVG	54	57	57
MAY	W	56	59	59
	AN	57	60	60
	BN	58	62	62
	D	59	62	62
	C	60	64	64
	AVG	58	61	61
JUN	W	60	62	62
	AN	62	66	66
	BN	64	68	68
	D	66	70	70
	C	66	70	70
	AVG	63	67	67
JUL	W	65	67	67
	AN	68	71	71
	BN	68	71	71
	D	68	72	72
	C	68	72	72
	AVG	67	70	70

Alternative 5: Stanislaus River at Riverbank				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
AUG	W	65	69	69
	AN	67	70	70
	BN	67	70	70
	D	68	71	71
	C	67	71	71
	AVG	66	70	70
SEP	W	64	67	67
	AN	66	70	70
	BN	66	69	69
	D	66	70	70
	C	66	70	69
	AVG	65	69	69
OCT	W	59	63	63
	AN	59	62	62
	BN	59	62	62
	D	59	62	62
	C	61	64	64
	AVG	60	63	63
NOV	W	53	56	56
	AN	53	56	56
	BN	53	56	56
	D	53	56	56
	C	54	57	57
	AVG	53	56	56
DEC	W	48	51	51
	AN	48	50	50
	BN	47	50	50
	D	47	50	50
	C	47	50	50
	AVG	47	50	50

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Riverbank, Year-Round

Alternative 5: Stanislaus River at Riverbank			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
JAN	W	2.9 (6.3%)	0 (0%)
	AN	3 (6.4%)	0 (0%)
	BN	2.8 (6%)	0 (0%)
	D	2.5 (5.6%)	0 (0%)
	C	2.7 (5.8%)	0 (0%)
	AVG	2.8 (6.1%)	0 (0%)
FEB	W	2.9 (5.9%)	0 (0%)
	AN	2.9 (5.8%)	0 (0%)
	BN	2.7 (5.5%)	0 (0%)
	D	3 (6.1%)	0 (0%)
	C	3.1 (6%)	0 (0%)
	AVG	2.9 (5.9%)	0 (0%)
MAR	W	3 (5.9%)	0 (0%)
	AN	3.6 (7%)	0 (0%)
	BN	2.8 (5.3%)	0 (0%)
	D	3.4 (6.4%)	0 (0%)
	C	3 (5.6%)	0 (0%)
	AVG	3.2 (6%)	0 (0%)
APR	W	3 (5.7%)	0 (0%)
	AN	3.2 (6.1%)	0 (0%)
	BN	3.6 (6.6%)	0 (0%)
	D	3.6 (6.7%)	0 (0%)
	C	3.6 (6.3%)	0 (0%)
	AVG	3.3 (6.2%)	0 (0%)
MAY	W	3.2 (5.8%)	0 (0%)
	AN	3.4 (6%)	0 (0%)
	BN	4.3 (7.4%)	0 (0%)
	D	3.9 (6.6%)	0 (0%)
	C	3.5 (5.8%)	0 (0%)
	AVG	3.6 (6.2%)	0 (0%)
JUN	W	2 (3.4%)	0 (0%)
	AN	4 (6.4%)	0 (0%)
	BN	3.7 (5.7%)	0 (0%)
	D	4 (6.1%)	0 (0%)
	C	3.7 (5.6%)	0.1 (0.1%)
	AVG	3.3 (5.2%)	0 (0%)
JUL	W	1.8 (2.8%)	0 (0%)
	AN	3.3 (4.8%)	0 (0%)
	BN	3.1 (4.5%)	0 (0%)
	D	3.6 (5.3%)	0 (0%)
	C	3.5 (5.1%)	0 (0%)
	AVG	2.9 (4.3%)	0 (0%)

Alternative 5: Stanislaus River at Riverbank			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
AUG	W	4.1 (6.4%)	0 (0%)
	AN	3.4 (5.1%)	0 (0%)
	BN	3.2 (4.8%)	0 (0%)
	D	3.3 (4.9%)	0 (0%)
	C	3.8 (5.6%)	0 (0%)
	AVG	3.6 (5.5%)	0 (0%)
SEP	W	3.9 (6.2%)	0 (0%)
	AN	3.9 (5.9%)	0 (0%)
	BN	3.7 (5.7%)	0 (0%)
	D	3.7 (5.6%)	0 (0%)
	C	3.6 (5.5%)	-0.2 (-0.2%)
	AVG	3.8 (5.8%)	0 (0%)
OCT	W	3.1 (5.2%)	0 (0%)
	AN	2.9 (4.9%)	0 (0%)
	BN	2.9 (4.9%)	0 (0%)
	D	3.1 (5.2%)	0 (0%)
	C	3.3 (5.5%)	0 (0%)
	AVG	3.1 (5.2%)	0 (0%)
NOV	W	3 (5.7%)	0 (0%)
	AN	3.1 (5.9%)	0 (0%)
	BN	3.1 (5.8%)	0 (0%)
	D	3.1 (5.8%)	0 (0%)
	C	3 (5.6%)	0 (0%)
	AVG	3.1 (5.7%)	0 (0%)
DEC	W	3 (6.3%)	-0.1 (-0.2%)
	AN	2.9 (6.1%)	0 (0%)
	BN	3.3 (7%)	0 (0%)
	D	2.8 (5.9%)	0 (0%)
	C	2.9 (6.2%)	0 (0%)
	AVG	3 (6.3%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.5.21 Stanislaus River at the Confluence with the San Joaquin River

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 5 Model Scenarios in the Stanislaus River at the Confluence with the San Joaquin River, Year-Round

Alternative 5: Stanislaus River at the Confluence with the San Joaquin River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
JAN	W	46	49	49
	AN	46	49	49
	BN	46	49	49
	D	45	47	47
	C	45	48	48
	AVG	46	48	48
FEB	W	50	53	53
	AN	50	53	53
	BN	50	52	52
	D	50	53	53
	C	51	54	54
	AVG	50	53	53
MAR	W	52	55	55
	AN	53	56	56
	BN	54	57	57
	D	55	58	58
	C	55	58	58
	AVG	54	56	56
APR	W	54	57	57
	AN	55	58	58
	BN	56	60	60
	D	57	60	60
	C	59	62	62
	AVG	56	59	59
MAY	W	59	62	62
	AN	60	63	63
	BN	60	64	64
	D	61	65	65
	C	63	66	66
	AVG	60	64	64
JUN	W	62	65	65
	AN	65	69	69
	BN	66	70	70
	D	68	72	72
	C	68	71	71
	AVG	65	69	69

Alternative 5: Stanislaus River at the Confluence with the San Joaquin River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A5_LLT**
JUL	W	68	70	70
	AN	70	73	73
	BN	70	73	73
	D	70	74	74
	C	70	73	73
	AVG	69	72	72
AUG	W	67	71	71
	AN	69	72	72
	BN	68	71	71
	D	69	72	72
	C	69	72	72
	AVG	68	72	72
SEP	W	65	69	69
	AN	67	71	71
	BN	67	70	70
	D	67	70	70
	C	67	70	70
	AVG	66	70	70
OCT	W	60	63	63
	AN	60	62	62
	BN	59	62	62
	D	59	62	62
	C	61	64	64
	AVG	60	63	63
NOV	W	53	56	56
	AN	52	55	55
	BN	52	55	55
	D	52	55	55
	C	53	56	56
	AVG	52	55	55
DEC	W	47	50	50
	AN	46	49	49
	BN	45	49	49
	D	45	48	48
	C	45	48	48
	AVG	46	49	49

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at the Confluence with the San Joaquin River, Year-Round

Alternative 5: Stanislaus River at the Confluence with the San Joaquin River			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
JAN	W	2.9 (6.3%)	0 (0%)
	AN	2.9 (6.4%)	0 (0%)
	BN	2.8 (6.1%)	0 (0%)
	D	2.5 (5.7%)	0 (0%)
	C	2.8 (6.1%)	0 (0%)
	AVG	2.8 (6.2%)	0 (0%)
FEB	W	2.8 (5.7%)	0 (0%)
	AN	2.8 (5.6%)	0 (0%)
	BN	2.6 (5.2%)	0 (0%)
	D	2.8 (5.6%)	0 (0%)
	C	2.9 (5.6%)	0 (0%)
	AVG	2.8 (5.6%)	0 (0%)
MAR	W	2.8 (5.5%)	0 (0%)
	AN	3.3 (6.3%)	0 (0%)
	BN	2.6 (4.9%)	0 (0%)
	D	3.2 (5.8%)	0 (0%)
	C	2.8 (5.1%)	0 (0%)
	AVG	3 (5.5%)	0 (0%)
APR	W	2.8 (5.2%)	0 (0%)
	AN	3.1 (5.6%)	0 (0%)
	BN	3.4 (6.1%)	0 (0%)
	D	3.5 (6.1%)	0 (0%)
	C	3.2 (5.5%)	0 (0%)
	AVG	3.1 (5.6%)	0 (0%)
MAY	W	3.1 (5.3%)	0 (0%)
	AN	3.4 (5.7%)	0 (0%)
	BN	4.1 (6.8%)	0 (0%)
	D	3.7 (6%)	0 (0%)
	C	3.2 (5.1%)	0 (0%)
	AVG	3.4 (5.7%)	0 (0%)
JUN	W	2.3 (3.6%)	0 (0%)
	AN	3.7 (5.8%)	0 (0%)
	BN	3.3 (5.1%)	0 (0%)
	D	3.4 (5%)	0 (0%)
	C	3.3 (4.8%)	0 (0.1%)
	AVG	3.1 (4.7%)	0 (0%)
JUL	W	2.3 (3.3%)	0 (0%)
	AN	3 (4.2%)	0 (0%)
	BN	2.8 (4%)	0 (0%)
	D	3.2 (4.5%)	0 (0%)
	C	3.1 (4.5%)	0 (0%)
	AVG	2.8 (4%)	0 (0%)

Alternative 5: Stanislaus River at the Confluence with the San Joaquin River			
Month	**WYT**	**EXISTING CONDITIONS vs. A5_LLT**	**NAA vs. A5_LLT**
AUG	W	4.1 (6.1%)	0 (0%)
	AN	3.2 (4.7%)	0 (0%)
	BN	3.1 (4.5%)	0 (0%)
	D	3.1 (4.5%)	0 (0%)
	C	3.6 (5.2%)	0 (0%)
	AVG	3.5 (5.1%)	0 (0%)
SEP	W	3.9 (6%)	0 (0%)
	AN	3.7 (5.6%)	0 (0%)
	BN	3.7 (5.5%)	0 (0%)
	D	3.7 (5.5%)	0 (0%)
	C	3.5 (5.3%)	-0.2 (-0.2%)
	AVG	3.7 (5.6%)	0 (0%)
OCT	W	3 (5%)	0 (0%)
	AN	2.8 (4.8%)	0 (0%)
	BN	2.7 (4.5%)	0 (0%)
	D	2.9 (4.9%)	0 (0%)
	C	3.2 (5.3%)	0 (0%)
	AVG	2.9 (4.9%)	0 (0%)
NOV	W	3 (5.8%)	0 (0%)
	AN	3.2 (6%)	0 (0%)
	BN	3.1 (5.9%)	0 (0%)
	D	3.1 (5.9%)	0 (0%)
	C	2.9 (5.6%)	0 (0%)
	AVG	3.1 (5.8%)	0 (0%)
DEC	W	3 (6.4%)	-0.1 (-0.1%)
	AN	2.9 (6.2%)	0 (0%)
	BN	3.2 (7.1%)	0 (0%)
	D	2.8 (6.1%)	0 (0%)
	C	2.9 (6.4%)	0 (0%)
	AVG	3 (6.4%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.6 Alternative 6A

11D.6.1 Sacramento River at Keswick

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 6A Model Scenarios in the Sacramento River at Keswick, Year-Round

Alternative 6A: Sacramento River at Keswick				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
JAN	W	46	47	47
	AN	46	48	48
	BN	47	48	48
	D	47	48	48
	C	47	48	48
	AVG	46	48	48
FEB	W	45	47	47
	AN	46	47	47
	BN	46	47	47
	D	46	48	48
	C	46	48	48
	AVG	46	47	47
MAR	W	46	47	47
	AN	46	48	48
	BN	47	48	48
	D	47	49	49
	C	48	50	50
	AVG	47	48	48
APR	W	47	49	49
	AN	48	50	50
	BN	48	50	50
	D	48	50	50
	C	49	51	51
	AVG	48	50	50
MAY	W	49	50	50
	AN	49	51	51
	BN	49	51	51
	D	49	51	51
	C	51	53	53
	AVG	49	51	51
JUN	W	50	51	51
	AN	50	51	51
	BN	50	51	51
	D	50	52	52
	C	53	55	55
	AVG	50	52	52

Alternative 6A: Sacramento River at Keswick				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
JUL	W	51	52	52
	AN	51	52	52
	BN	51	52	52
	D	51	54	53
	C	54	59	59
	AVG	51	53	53
AUG	W	52	54	54
	AN	52	54	54
	BN	52	54	54
	D	53	56	56
	C	57	64	64
	AVG	53	56	56
SEP	W	53	55	55
	AN	54	56	56
	BN	54	56	57
	D	55	59	59
	C	60	66	66
	AVG	55	58	58
OCT	W	54	57	56
	AN	54	57	56
	BN	54	57	57
	D	55	58	58
	C	56	60	60
	AVG	54	58	57
NOV	W	53	55	55
	AN	52	55	54
	BN	53	55	55
	D	53	56	55
	C	54	56	56
	AVG	53	55	55
DEC	W	49	50	51
	AN	49	51	51
	BN	50	52	52
	D	50	52	52
	C	51	52	52
	AVG	50	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Keswick, Year-Round

Alternative 6A: Sacramento River at Keswick			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
JAN	W	1.4 (3.1%)	0.1 (0.2%)
	AN	1.5 (3.3%)	0.1 (0.2%)
	BN	1.6 (3.4%)	-0.1 (-0.2%)
	D	1.7 (3.6%)	0.1 (0.1%)
	C	1.7 (3.7%)	-0.1 (-0.2%)
	AVG	1.6 (3.4%)	0 (0%)
FEB	W	1.6 (3.5%)	0.1 (0.1%)
	AN	1.7 (3.8%)	0.1 (0.3%)
	BN	1.5 (3.3%)	0 (-0.1%)
	D	1.7 (3.7%)	0 (0%)
	C	1.7 (3.7%)	-0.1 (-0.1%)
	AVG	1.6 (3.6%)	0 (0.1%)
MAR	W	1.5 (3.4%)	0.1 (0.1%)
	AN	1.8 (3.9%)	0.2 (0.4%)
	BN	1.5 (3.3%)	0 (0%)
	D	1.7 (3.5%)	0 (0%)
	C	1.9 (4%)	0 (0%)
	AVG	1.7 (3.6%)	0 (0.1%)
APR	W	1.8 (3.7%)	0.1 (0.2%)
	AN	1.8 (3.7%)	0.1 (0.1%)
	BN	1.6 (3.4%)	0.3 (0.5%)
	D	1.6 (3.4%)	0.1 (0.1%)
	C	2 (4%)	-0.1 (-0.3%)
	AVG	1.7 (3.6%)	0.1 (0.2%)
MAY	W	1.6 (3.4%)	-0.1 (-0.2%)
	AN	1.3 (2.7%)	0 (0%)
	BN	1.7 (3.4%)	0.3 (0.6%)
	D	1.6 (3.2%)	0.1 (0.1%)
	C	2 (3.9%)	-0.1 (-0.1%)
	AVG	1.6 (3.3%)	0 (0%)
JUN	W	0.9 (1.9%)	0 (-0.1%)
	AN	1.3 (2.6%)	0 (0.1%)
	BN	1.3 (2.6%)	0.1 (0.1%)
	D	1.9 (3.8%)	0 (0.1%)
	C	2.1 (4%)	0 (0%)
	AVG	1.4 (2.8%)	0 (0%)
JUL	W	1 (1.9%)	0.1 (0.1%)
	AN	1.5 (2.9%)	0.1 (0.2%)
	BN	1.5 (3%)	0.2 (0.3%)
	D	2.2 (4.4%)	-0.1 (-0.2%)
	C	4.6 (8.4%)	-0.6 (-1%)
	AVG	1.9 (3.8%)	-0.1 (-0.1%)

Alternative 6A: Sacramento River at Keswick			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
AUG	W	2 (3.9%)	0.1 (0.1%)
	AN	2 (3.8%)	0.1 (0.2%)
	BN	2.5 (4.9%)	0.2 (0.3%)
	D	3.3 (6.2%)	0.3 (0.5%)
	C	7.4 (13.1%)	-0.1 (-0.1%)
	AVG	3.2 (6%)	0.1 (0.2%)
SEP	W	2.1 (3.9%)	0.4 (0.8%)
	AN	2.1 (3.9%)	-0.1 (-0.3%)
	BN	3.1 (5.8%)	0.4 (0.8%)
	D	4.1 (7.4%)	-0.4 (-0.6%)
	C	5.5 (9.1%)	-0.5 (-0.7%)
	AVG	3.2 (5.8%)	0 (0.1%)
OCT	W	2.5 (4.6%)	-0.6 (-1%)
	AN	2.5 (4.6%)	-0.3 (-0.5%)
	BN	3.2 (5.8%)	0.1 (0.2%)
	D	3.1 (5.6%)	-0.4 (-0.7%)
	C	3.4 (6%)	-0.4 (-0.7%)
	AVG	2.9 (5.3%)	-0.3 (-0.6%)
NOV	W	2.2 (4.1%)	-0.1 (-0.2%)
	AN	2.1 (3.9%)	-0.1 (-0.3%)
	BN	2.4 (4.5%)	-0.1 (-0.1%)
	D	2.3 (4.3%)	-0.1 (-0.1%)
	C	2.2 (4.1%)	-0.3 (-0.5%)
	AVG	2.2 (4.2%)	-0.1 (-0.2%)
DEC	W	1.4 (2.9%)	0.2 (0.3%)
	AN	1.8 (3.6%)	0 (0%)
	BN	1.8 (3.6%)	-0.2 (-0.4%)
	D	1.8 (3.6%)	-0.1 (-0.3%)
	C	1.8 (3.6%)	-0.1 (-0.2%)
	AVG	1.7 (3.4%)	0 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.6.2 Sacramento River at Jelly's Ferry

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 6A Model Scenarios in the Sacramento River at Jelly's Ferry, Year-Round

Alternative 6A: Sacramento River at Jelly's Ferry				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
JAN	W	45	47	47
	AN	45	47	47
	BN	45	46	46
	D	45	47	47
	C	45	47	47
	AVG	45	47	47
FEB	W	46	47	47
	AN	46	48	48
	BN	46	48	47
	D	46	48	48
	C	47	49	49
	AVG	46	48	48
MAR	W	48	49	50
	AN	49	51	51
	BN	49	51	51
	D	50	51	51
	C	50	52	52
	AVG	49	51	51
APR	W	51	53	53
	AN	53	55	55
	BN	53	54	55
	D	52	54	54
	C	52	54	54
	AVG	52	54	54
MAY	W	54	57	57
	AN	55	57	56
	BN	54	57	57
	D	54	56	56
	C	55	57	57
	AVG	54	57	56
JUN	W	55	56	56
	AN	55	56	56
	BN	54	56	56
	D	54	56	56
	C	56	58	58
	AVG	55	56	56
JUL	W	56	57	56
	AN	55	56	56
	BN	55	56	56
	D	55	57	57
	C	57	62	62
	AVG	55	57	57

Alternative 6A: Sacramento River at Jelly's Ferry				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
AUG	W	56	59	58
	AN	56	58	59
	BN	56	58	59
	D	56	59	60
	C	59	67	66
	AVG	57	60	60
SEP	W	56	57	58
	AN	57	59	59
	BN	57	60	61
	D	58	63	62
	C	61	67	67
	AVG	58	61	61
OCT	W	54	57	57
	AN	54	57	57
	BN	55	57	58
	D	55	58	58
	C	56	60	59
	AVG	55	58	58
NOV	W	51	53	53
	AN	51	53	53
	BN	51	54	53
	D	51	54	54
	C	52	55	54
	AVG	51	53	53
DEC	W	47	48	48
	AN	47	48	48
	BN	47	49	49
	D	47	49	48
	C	47	49	49
	AVG	47	48	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Jelly's Ferry, Year-Round

Alternative 6A: Sacramento River at Jelly's Ferry			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
JAN	W	1.5 (3.3%)	0.1 (0.2%)
	AN	1.6 (3.5%)	0.1 (0.1%)
	BN	1.7 (3.7%)	0 (-0.1%)
	D	1.8 (4%)	0 (-0.1%)
	C	1.9 (4.3%)	-0.2 (-0.5%)
	AVG	1.7 (3.7%)	0 (0%)
FEB	W	1.6 (3.5%)	0 (0.1%)
	AN	1.7 (3.6%)	0.1 (0.1%)
	BN	1.6 (3.5%)	0 (-0.1%)
	D	1.9 (4%)	0 (0%)
	C	1.8 (3.9%)	-0.1 (-0.3%)
	AVG	1.7 (3.7%)	0 (0%)
MAR	W	1.5 (3.1%)	0 (0.1%)
	AN	1.6 (3.3%)	0.1 (0.1%)
	BN	1.7 (3.6%)	0.1 (0.1%)
	D	1.6 (3.3%)	0 (-0.1%)
	C	1.8 (3.7%)	0 (0.1%)
	AVG	1.6 (3.3%)	0 (0.1%)
APR	W	1.8 (3.5%)	0 (0.1%)
	AN	1.8 (3.5%)	-0.1 (-0.1%)
	BN	2 (3.7%)	0.2 (0.4%)
	D	1.9 (3.6%)	0.1 (0.1%)
	C	2 (3.9%)	0 (0%)
	AVG	1.9 (3.6%)	0.1 (0.1%)
MAY	W	2.6 (4.8%)	-0.3 (-0.6%)
	AN	1.5 (2.7%)	-0.2 (-0.3%)
	BN	2.4 (4.3%)	0.2 (0.4%)
	D	1.8 (3.4%)	0 (0%)
	C	1.9 (3.4%)	-0.1 (-0.1%)
	AVG	2.1 (3.9%)	-0.1 (-0.2%)
JUN	W	1.2 (2.2%)	-0.2 (-0.3%)
	AN	1.4 (2.5%)	0 (0%)
	BN	1.7 (3.1%)	0.1 (0.2%)
	D	2 (3.8%)	0.1 (0.2%)
	C	2 (3.6%)	0 (0%)
	AVG	1.6 (3%)	0 (0%)
JUL	W	0.9 (1.6%)	-0.1 (-0.2%)
	AN	1.6 (2.9%)	0.2 (0.3%)
	BN	1.8 (3.2%)	0.1 (0.2%)
	D	2.2 (4.1%)	-0.2 (-0.3%)
	C	4.4 (7.6%)	-0.7 (-1.1%)
	AVG	1.9 (3.5%)	-0.1 (-0.2%)

Alternative 6A: Sacramento River at Jelly's Ferry			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
AUG	W	2.3 (4.1%)	-0.2 (-0.4%)
	AN	2.3 (4.1%)	0.4 (0.7%)
	BN	3 (5.4%)	0.4 (0.7%)
	D	3.6 (6.3%)	0.5 (0.8%)
	C	7 (11.8%)	-0.1 (-0.2%)
	AVG	3.4 (6%)	0.1 (0.2%)
SEP	W	1.9 (3.3%)	0.6 (1.1%)
	AN	1.7 (2.9%)	0.4 (0.6%)
	BN	3.7 (6.5%)	0.8 (1.4%)
	D	4.6 (7.9%)	-0.3 (-0.5%)
	C	5 (8.2%)	-0.3 (-0.4%)
	AVG	3.2 (5.6%)	0.3 (0.5%)
OCT	W	2.4 (4.5%)	-0.4 (-0.7%)
	AN	2.4 (4.5%)	-0.1 (-0.2%)
	BN	3 (5.5%)	0.1 (0.2%)
	D	2.8 (5.1%)	-0.4 (-0.6%)
	C	3.1 (5.4%)	-0.3 (-0.6%)
	AVG	2.7 (4.9%)	-0.3 (-0.5%)
NOV	W	2.1 (4.2%)	-0.2 (-0.4%)
	AN	2 (4%)	-0.2 (-0.3%)
	BN	2.4 (4.7%)	-0.1 (-0.3%)
	D	2.2 (4.3%)	0 (-0.1%)
	C	2.2 (4.3%)	-0.1 (-0.3%)
	AVG	2.2 (4.3%)	-0.1 (-0.3%)
DEC	W	1.3 (2.8%)	0.2 (0.3%)
	AN	1.8 (3.9%)	0 (0%)
	BN	1.7 (3.7%)	-0.2 (-0.3%)
	D	1.7 (3.7%)	-0.2 (-0.4%)
	C	1.9 (4%)	-0.1 (-0.1%)
	AVG	1.6 (3.5%)	0 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.6.3 Sacramento River at Bend Bridge

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 6A Model Scenarios in the Sacramento River at Bend Bridge, Year-Round

Alternative 6A: Sacramento River at Bend Bridge				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
JAN	W	45	47	47
	AN	45	47	47
	BN	45	46	46
	D	45	47	47
	C	45	47	47
	AVG	45	47	47
FEB	W	46	47	47
	AN	46	48	48
	BN	46	48	47
	D	46	48	48
	C	47	49	49
	AVG	46	48	48
MAR	W	48	50	50
	AN	49	51	51
	BN	49	51	51
	D	50	52	52
	C	50	52	52
	AVG	49	51	51
APR	W	51	53	53
	AN	53	55	55
	BN	53	55	55
	D	53	55	55
	C	52	54	55
	AVG	52	54	54
MAY	W	54	57	57
	AN	55	57	57
	BN	55	57	57
	D	55	56	56
	C	55	57	57
	AVG	55	57	57
JUN	W	56	57	57
	AN	55	57	57
	BN	55	57	57
	D	55	57	57
	C	57	59	59
	AVG	55	57	57
JUL	W	56	57	57
	AN	55	57	57
	BN	55	57	57
	D	56	58	58
	C	58	63	62
	AVG	56	58	58

Alternative 6A: Sacramento River at Bend Bridge				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
AUG	W	57	59	59
	AN	57	59	59
	BN	56	59	59
	D	57	60	61
	C	60	67	67
	AVG	57	60	61
SEP	W	57	58	58
	AN	58	59	60
	BN	58	60	61
	D	58	63	63
	C	62	67	67
	AVG	58	61	61
OCT	W	54	57	57
	AN	55	57	57
	BN	55	58	58
	D	55	58	58
	C	56	60	59
	AVG	55	58	58
NOV	W	51	53	53
	AN	51	53	53
	BN	51	53	53
	D	51	54	53
	C	52	54	54
	AVG	51	53	53
DEC	W	47	48	48
	AN	46	48	48
	BN	47	49	48
	D	46	48	48
	C	47	49	49
	AVG	47	48	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Bend Bridge, Year-Round

Alternative 6A: Sacramento River at Bend Bridge			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
JAN	W	1.5 (3.4%)	0.1 (0.2%)
	AN	1.6 (3.6%)	0.1 (0.1%)
	BN	1.7 (3.8%)	0 (-0.1%)
	D	1.8 (4.1%)	0 (-0.1%)
	C	2 (4.5%)	-0.2 (-0.5%)
	AVG	1.7 (3.8%)	0 (0%)
FEB	W	1.6 (3.5%)	0 (0.1%)
	AN	1.7 (3.6%)	0.1 (0.1%)
	BN	1.7 (3.6%)	0 (-0.1%)
	D	1.9 (4.1%)	0 (0%)
	C	1.9 (4%)	-0.1 (-0.3%)
	AVG	1.7 (3.8%)	0 (0%)
MAR	W	1.5 (3.1%)	0 (0.1%)
	AN	1.6 (3.3%)	0 (0.1%)
	BN	1.8 (3.6%)	0.1 (0.1%)
	D	1.7 (3.3%)	0 (-0.1%)
	C	1.9 (3.7%)	0 (0.1%)
	AVG	1.6 (3.4%)	0 (0.1%)
APR	W	1.8 (3.6%)	0 (0.1%)
	AN	1.9 (3.5%)	-0.1 (-0.1%)
	BN	2 (3.8%)	0.2 (0.4%)
	D	1.9 (3.7%)	0.1 (0.1%)
	C	2.1 (3.9%)	0 (0%)
	AVG	1.9 (3.7%)	0.1 (0.1%)
MAY	W	2.6 (4.8%)	-0.3 (-0.6%)
	AN	1.5 (2.8%)	-0.2 (-0.3%)
	BN	2.4 (4.4%)	0.2 (0.4%)
	D	1.8 (3.4%)	0 (0%)
	C	1.9 (3.4%)	-0.1 (-0.1%)
	AVG	2.2 (3.9%)	-0.1 (-0.2%)
JUN	W	1.3 (2.3%)	-0.2 (-0.3%)
	AN	1.4 (2.5%)	0 (0%)
	BN	1.8 (3.2%)	0.1 (0.2%)
	D	2.1 (3.8%)	0.1 (0.2%)
	C	2 (3.6%)	0 (0%)
	AVG	1.7 (3%)	0 (0%)
JUL	W	0.9 (1.6%)	-0.1 (-0.2%)
	AN	1.6 (3%)	0.2 (0.3%)
	BN	1.8 (3.3%)	0.1 (0.2%)
	D	2.3 (4.1%)	-0.2 (-0.3%)
	C	4.3 (7.5%)	-0.7 (-1%)
	AVG	2 (3.5%)	-0.1 (-0.2%)

Alternative 6A: Sacramento River at Bend Bridge			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
AUG	W	2.4 (4.1%)	-0.3 (-0.4%)
	AN	2.4 (4.2%)	0.4 (0.7%)
	BN	3.1 (5.5%)	0.4 (0.7%)
	D	3.6 (6.3%)	0.5 (0.9%)
	C	6.9 (11.6%)	-0.1 (-0.2%)
	AVG	3.4 (6%)	0.1 (0.2%)
SEP	W	1.9 (3.3%)	0.6 (1.1%)
	AN	1.6 (2.9%)	0.4 (0.7%)
	BN	3.8 (6.5%)	0.8 (1.4%)
	D	4.6 (7.9%)	-0.3 (-0.5%)
	C	5 (8.1%)	-0.3 (-0.4%)
	AVG	3.2 (5.5%)	0.3 (0.5%)
OCT	W	2.5 (4.5%)	-0.4 (-0.7%)
	AN	2.5 (4.5%)	-0.1 (-0.2%)
	BN	3 (5.5%)	0.1 (0.2%)
	D	2.8 (5%)	-0.4 (-0.6%)
	C	3 (5.4%)	-0.3 (-0.6%)
	AVG	2.7 (4.9%)	-0.2 (-0.4%)
NOV	W	2.1 (4.2%)	-0.2 (-0.4%)
	AN	2.1 (4.1%)	-0.2 (-0.4%)
	BN	2.4 (4.7%)	-0.1 (-0.3%)
	D	2.3 (4.4%)	0 (-0.1%)
	C	2.3 (4.4%)	-0.1 (-0.2%)
	AVG	2.2 (4.4%)	-0.1 (-0.3%)
DEC	W	1.3 (2.9%)	0.2 (0.3%)
	AN	1.8 (4%)	0 (0%)
	BN	1.8 (3.8%)	-0.2 (-0.3%)
	D	1.8 (3.8%)	-0.2 (-0.4%)
	C	1.9 (4.1%)	-0.1 (-0.1%)
	AVG	1.7 (3.6%)	0 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.6.4 Sacramento River at Red Bluff Diversion Dam

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 6A Model Scenarios in the Sacramento River at Red Bluff Diversion Dam, Year-Round

Alternative 6A: Sacramento River at Red Bluff Diversion Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
JAN	W	45	46	47
	AN	45	47	47
	BN	44	46	46
	D	44	46	46
	C	44	47	46
	AVG	45	46	46
FEB	W	46	47	48
	AN	46	48	48
	BN	46	48	48
	D	46	48	48
	C	47	49	49
	AVG	46	48	48
MAR	W	48	50	50
	AN	49	51	51
	BN	49	51	51
	D	50	52	52
	C	51	53	53
	AVG	49	51	51
APR	W	52	54	54
	AN	53	55	55
	BN	54	55	56
	D	54	55	56
	C	53	55	55
	AVG	53	55	55
MAY	W	55	58	58
	AN	56	58	58
	BN	56	58	59
	D	56	58	58
	C	57	59	58
	AVG	56	58	58
JUN	W	57	59	59
	AN	57	58	58
	BN	57	58	59
	D	57	59	59
	C	58	60	60
	AVG	57	59	59
JUL	W	58	59	59
	AN	57	59	59
	BN	57	59	59
	D	57	60	60
	C	60	64	64
	AVG	58	60	60

Alternative 6A: Sacramento River at Red Bluff Diversion Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
AUG	W	58	61	61
	AN	59	61	61
	BN	58	61	61
	D	59	62	62
	C	61	68	68
	AVG	59	62	62
SEP	W	58	59	60
	AN	59	60	61
	BN	59	62	63
	D	59	64	64
	C	63	68	68
	AVG	59	62	63
OCT	W	55	57	57
	AN	55	57	57
	BN	55	58	58
	D	55	59	58
	C	56	60	60
	AVG	55	58	58
NOV	W	50	53	53
	AN	50	53	53
	BN	51	53	53
	D	51	53	53
	C	52	54	54
	AVG	51	53	53
DEC	W	46	48	48
	AN	46	48	48
	BN	46	48	48
	D	46	48	48
	C	46	48	48
	AVG	46	48	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Red Bluff Diversion Dam, Year-Round

Alternative 6A: Sacramento River at Red Bluff Diversion Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
JAN	W	1.6 (3.5%)	0.1 (0.2%)
	AN	1.7 (3.7%)	0.1 (0.1%)
	BN	1.8 (4%)	0 (-0.1%)
	D	1.9 (4.3%)	-0.1 (-0.1%)
	C	2.1 (4.7%)	-0.2 (-0.5%)
	AVG	1.8 (4%)	0 (0%)
FEB	W	1.6 (3.6%)	0 (0.1%)
	AN	1.7 (3.7%)	0.1 (0.1%)
	BN	1.7 (3.7%)	0 (-0.1%)
	D	2 (4.2%)	0 (0%)
	C	2 (4.2%)	-0.1 (-0.3%)
	AVG	1.8 (3.9%)	0 (0%)
MAR	W	1.5 (3.1%)	0 (0.1%)
	AN	1.6 (3.3%)	0 (0.1%)
	BN	1.8 (3.7%)	0.1 (0.1%)
	D	1.7 (3.4%)	0 (-0.1%)
	C	1.9 (3.8%)	0 (0.1%)
	AVG	1.7 (3.4%)	0 (0%)
APR	W	1.9 (3.6%)	0 (0.1%)
	AN	1.9 (3.6%)	-0.1 (-0.1%)
	BN	2.1 (3.8%)	0.2 (0.3%)
	D	2 (3.7%)	0.1 (0.1%)
	C	2.1 (3.9%)	0 (0.1%)
	AVG	2 (3.7%)	0.1 (0.1%)
MAY	W	2.7 (4.9%)	-0.3 (-0.6%)
	AN	1.6 (2.8%)	-0.2 (-0.4%)
	BN	2.5 (4.5%)	0.2 (0.4%)
	D	1.9 (3.4%)	0 (0%)
	C	1.9 (3.4%)	-0.1 (-0.1%)
	AVG	2.2 (4%)	-0.1 (-0.2%)
JUN	W	1.4 (2.5%)	-0.2 (-0.3%)
	AN	1.5 (2.7%)	0 (0%)
	BN	1.9 (3.4%)	0.1 (0.2%)
	D	2.2 (3.8%)	0.1 (0.2%)
	C	2.1 (3.5%)	0 (0%)
	AVG	1.8 (3.1%)	0 (0%)
JUL	W	1 (1.6%)	-0.2 (-0.3%)
	AN	1.7 (3%)	0.2 (0.4%)
	BN	1.9 (3.4%)	0.1 (0.1%)
	D	2.3 (4%)	-0.2 (-0.3%)
	C	4.2 (7.1%)	-0.6 (-1%)
	AVG	2 (3.5%)	-0.1 (-0.2%)

Alternative 6A: Sacramento River at Red Bluff Diversion Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
AUG	W	2.5 (4.2%)	-0.3 (-0.5%)
	AN	2.5 (4.3%)	0.5 (0.8%)
	BN	3.2 (5.6%)	0.4 (0.7%)
	D	3.7 (6.3%)	0.6 (0.9%)
	C	6.8 (11.1%)	-0.2 (-0.2%)
	AVG	3.5 (6%)	0.1 (0.2%)
SEP	W	1.9 (3.3%)	0.7 (1.2%)
	AN	1.6 (2.8%)	0.5 (0.9%)
	BN	3.9 (6.7%)	0.9 (1.5%)
	D	4.7 (8%)	-0.3 (-0.4%)
	C	5 (8%)	-0.2 (-0.3%)
	AVG	3.3 (5.5%)	0.4 (0.6%)
OCT	W	2.5 (4.5%)	-0.3 (-0.6%)
	AN	2.5 (4.6%)	-0.1 (-0.2%)
	BN	3 (5.5%)	0.1 (0.2%)
	D	2.8 (5%)	-0.3 (-0.6%)
	C	3.1 (5.4%)	-0.3 (-0.5%)
	AVG	2.7 (4.9%)	-0.2 (-0.4%)
NOV	W	2.2 (4.3%)	-0.2 (-0.4%)
	AN	2.1 (4.2%)	-0.2 (-0.3%)
	BN	2.5 (4.9%)	-0.1 (-0.2%)
	D	2.3 (4.5%)	0 (-0.1%)
	C	2.3 (4.5%)	-0.1 (-0.2%)
	AVG	2.3 (4.5%)	-0.1 (-0.3%)
DEC	W	1.4 (3%)	0.1 (0.3%)
	AN	1.9 (4.1%)	0 (0%)
	BN	1.8 (4%)	-0.2 (-0.3%)
	D	1.8 (4%)	-0.2 (-0.4%)
	C	2 (4.3%)	-0.1 (-0.1%)
	AVG	1.7 (3.7%)	0 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.6.5 Sacramento River at Hamilton City

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 6A Model Scenarios in the Sacramento River at Hamilton City, Year-Round

Alternative 6A: Sacramento River at Hamilton City				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
JAN	W	45	47	47
	AN	45	47	47
	BN	44	46	46
	D	44	46	46
	C	44	47	47
	AVG	45	47	47
FEB	W	46	48	48
	AN	47	48	48
	BN	46	48	48
	D	47	49	49
	C	48	50	50
	AVG	47	49	49
MAR	W	49	51	51
	AN	51	52	52
	BN	51	53	53
	D	52	54	53
	C	52	54	54
	AVG	51	52	53
APR	W	54	55	56
	AN	55	57	57
	BN	56	58	58
	D	56	58	58
	C	56	58	58
	AVG	55	57	57
MAY	W	58	62	61
	AN	60	62	61
	BN	59	62	62
	D	59	61	61
	C	60	62	62
	AVG	59	62	61
JUN	W	61	63	62
	AN	61	62	62
	BN	60	62	62
	D	60	63	63
	C	61	63	63
	AVG	61	63	63
JUL	W	62	63	63
	AN	61	63	63
	BN	61	63	63
	D	61	64	63
	C	63	68	67
	AVG	62	64	64

Alternative 6A: Sacramento River at Hamilton City				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
AUG	W	62	65	65
	AN	62	64	65
	BN	62	65	65
	D	62	65	66
	C	65	71	71
	AVG	62	66	66
SEP	W	60	61	62
	AN	62	63	63
	BN	62	65	66
	D	62	67	67
	C	64	69	69
	AVG	62	65	65
OCT	W	55	58	58
	AN	56	58	58
	BN	56	59	59
	D	56	59	59
	C	57	60	60
	AVG	56	59	59
NOV	W	50	53	52
	AN	50	53	53
	BN	50	53	53
	D	51	53	53
	C	52	54	54
	AVG	51	53	53
DEC	W	46	47	47
	AN	46	48	48
	BN	45	48	47
	D	45	48	48
	C	45	48	47
	AVG	46	47	47

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Hamilton City, Year-Round

Alternative 6A: Sacramento River at Hamilton City			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
JAN	W	1.7 (3.7%)	0.1 (0.1%)
	AN	1.8 (4%)	0 (0.1%)
	BN	1.9 (4.3%)	0 (0%)
	D	2.1 (4.8%)	-0.1 (-0.1%)
	C	2.3 (5.1%)	-0.2 (-0.5%)
	AVG	1.9 (4.3%)	0 (-0.1%)
FEB	W	1.7 (3.7%)	0 (0.1%)
	AN	1.8 (3.8%)	0 (0.1%)
	BN	1.8 (3.9%)	-0.1 (-0.1%)
	D	2.1 (4.5%)	0 (0%)
	C	2.1 (4.4%)	-0.2 (-0.3%)
	AVG	1.9 (4%)	0 (0%)
MAR	W	1.5 (3.1%)	0 (0.1%)
	AN	1.7 (3.3%)	0 (0%)
	BN	1.9 (3.8%)	0.1 (0.1%)
	D	1.8 (3.4%)	0 (-0.1%)
	C	2 (3.8%)	0.1 (0.1%)
	AVG	1.7 (3.4%)	0 (0%)
APR	W	1.9 (3.6%)	0 (0.1%)
	AN	2 (3.6%)	-0.1 (-0.2%)
	BN	2.2 (3.9%)	0.2 (0.3%)
	D	2.1 (3.8%)	0.1 (0.1%)
	C	2.2 (3.9%)	0.1 (0.2%)
	AVG	2.1 (3.7%)	0.1 (0.1%)
MAY	W	2.9 (5%)	-0.3 (-0.5%)
	AN	1.7 (2.9%)	-0.3 (-0.4%)
	BN	2.7 (4.5%)	0.2 (0.3%)
	D	2 (3.4%)	0 (0%)
	C	1.9 (3.3%)	-0.1 (-0.1%)
	AVG	2.4 (4%)	-0.1 (-0.2%)
JUN	W	1.7 (2.8%)	-0.2 (-0.4%)
	AN	1.7 (2.8%)	0 (0%)
	BN	2.2 (3.6%)	0.1 (0.2%)
	D	2.3 (3.8%)	0.1 (0.2%)
	C	2.1 (3.5%)	0 (0.1%)
	AVG	2 (3.3%)	0 (0%)
JUL	W	1 (1.7%)	-0.3 (-0.4%)
	AN	1.9 (3.1%)	0.3 (0.4%)
	BN	2.1 (3.4%)	0 (0%)
	D	2.3 (3.8%)	-0.2 (-0.3%)
	C	4.2 (6.6%)	-0.6 (-0.9%)
	AVG	2.1 (3.4%)	-0.2 (-0.3%)

Alternative 6A: Sacramento River at Hamilton City			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
AUG	W	2.7 (4.4%)	-0.5 (-0.8%)
	AN	2.8 (4.5%)	0.7 (1.1%)
	BN	3.5 (5.7%)	0.5 (0.8%)
	D	3.9 (6.3%)	0.7 (1.1%)
	C	6.5 (10.1%)	-0.1 (-0.2%)
	AVG	3.7 (5.9%)	0.2 (0.2%)
SEP	W	1.9 (3.1%)	0.8 (1.3%)
	AN	1.6 (2.6%)	0.8 (1.2%)
	BN	4.1 (6.7%)	0.9 (1.4%)
	D	4.9 (7.9%)	-0.2 (-0.3%)
	C	4.8 (7.4%)	-0.2 (-0.3%)
	AVG	3.3 (5.4%)	0.4 (0.7%)
OCT	W	2.5 (4.5%)	-0.2 (-0.4%)
	AN	2.6 (4.7%)	0 (-0.1%)
	BN	3 (5.3%)	0.1 (0.2%)
	D	2.7 (4.7%)	-0.3 (-0.5%)
	C	3.1 (5.4%)	-0.2 (-0.3%)
	AVG	2.7 (4.9%)	-0.2 (-0.3%)
NOV	W	2.3 (4.5%)	-0.2 (-0.3%)
	AN	2.3 (4.6%)	-0.1 (-0.2%)
	BN	2.5 (5%)	-0.1 (-0.2%)
	D	2.4 (4.7%)	0 (-0.1%)
	C	2.5 (4.8%)	-0.1 (-0.2%)
	AVG	2.4 (4.7%)	-0.1 (-0.2%)
DEC	W	1.6 (3.4%)	0.1 (0.3%)
	AN	2.1 (4.5%)	0 (0%)
	BN	2 (4.4%)	-0.1 (-0.3%)
	D	2 (4.4%)	-0.1 (-0.3%)
	C	2.2 (4.8%)	0 (-0.1%)
	AVG	1.9 (4.2%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.6.6 Trinity River below Lewiston Reservoir

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 6A Model Scenarios in the Trinity River below Lewiston Reservoir, Year-Round

Alternative 6A: Trinity River below Lewiston Reservoir				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
JAN	W	41	43	43
	AN	38	41	41
	BN	39	41	41
	D	39	41	41
	C	39	42	42
	AVG	39	42	42
FEB	W	43	45	45
	AN	43	45	45
	BN	42	44	44
	D	42	45	45
	C	43	45	45
	AVG	43	45	45
MAR	W	46	48	47
	AN	47	49	49
	BN	47	48	49
	D	48	50	50
	C	48	50	50
	AVG	47	49	49
APR	W	49	51	50
	AN	50	52	52
	BN	51	53	53
	D	51	53	53
	C	50	52	53
	AVG	50	52	52
MAY	W	46	48	48
	AN	46	48	48
	BN	46	49	49
	D	47	49	49
	C	49	52	53
	AVG	47	49	49
JUN	W	48	51	51
	AN	51	52	52
	BN	52	53	53
	D	52	54	54
	C	56	59	60
	AVG	51	53	53
JUL	W	51	55	54
	AN	52	54	53
	BN	52	55	55
	D	51	54	54
	C	53	60	60
	AVG	51	55	55

Alternative 6A: Trinity River below Lewiston Reservoir				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
AUG	W	52	54	54
	AN	51	53	53
	BN	52	55	55
	D	50	54	54
	C	54	63	63
	AVG	52	56	55
SEP	W	49	51	51
	AN	50	51	52
	BN	51	55	55
	D	50	56	56
	C	57	62	62
	AVG	51	54	54
OCT	W	48	51	51
	AN	49	52	52
	BN	50	53	53
	D	50	52	52
	C	51	56	55
	AVG	49	52	52
NOV	W	44	47	47
	AN	45	47	47
	BN	45	47	47
	D	44	47	47
	C	46	48	48
	AVG	45	47	47
DEC	W	41	43	43
	AN	39	43	42
	BN	40	42	42
	D	40	42	42
	C	39	41	41
	AVG	40	42	42

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River below Lewiston Reservoir, Year-Round

Alternative 6A: Trinity River below Lewiston Reservoir			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
JAN	W	2.3 (5.8%)	0.3 (0.7%)
	AN	2.4 (6.3%)	0 (0%)
	BN	2.1 (5.5%)	0 (0.1%)
	D	2.4 (6.3%)	-0.3 (-0.6%)
	C	2.2 (5.7%)	-0.1 (-0.2%)
	AVG	2.3 (5.9%)	0 (0.1%)
FEB	W	2.4 (5.5%)	0 (0%)
	AN	2.2 (5.2%)	0 (-0.1%)
	BN	2.1 (5.1%)	0 (0%)
	D	2.3 (5.4%)	0 (0.1%)
	C	2.1 (5%)	0 (-0.1%)
	AVG	2.3 (5.3%)	0 (0%)
MAR	W	1.7 (3.7%)	-0.3 (-0.6%)
	AN	1.4 (3%)	-0.3 (-0.5%)
	BN	2.3 (4.9%)	0.4 (0.9%)
	D	1.4 (3%)	0 (-0.1%)
	C	2.1 (4.4%)	0 (0%)
	AVG	1.8 (3.8%)	-0.1 (-0.1%)
APR	W	1.2 (2.4%)	-0.3 (-0.6%)
	AN	2 (3.9%)	0 (0%)
	BN	2.6 (5.2%)	0.1 (0.3%)
	D	2.3 (4.4%)	0 (0%)
	C	2.4 (4.7%)	0.2 (0.5%)
	AVG	2 (3.9%)	0 (-0.1%)
MAY	W	2.5 (5.4%)	0.1 (0.1%)
	AN	2.3 (5%)	0 (0%)
	BN	2.2 (4.8%)	0 (0.1%)
	D	2.6 (5.7%)	0.1 (0.2%)
	C	3.4 (6.9%)	0.3 (0.5%)
	AVG	2.6 (5.5%)	0.1 (0.2%)
JUN	W	2.2 (4.6%)	0 (-0.1%)
	AN	1.1 (2.2%)	0 (0%)
	BN	1.8 (3.4%)	-0.1 (-0.1%)
	D	2.3 (4.4%)	0 (0%)
	C	3.8 (6.9%)	0.1 (0.2%)
	AVG	2.2 (4.4%)	0 (0%)
JUL	W	3.1 (6.1%)	-0.7 (-1.3%)
	AN	1.7 (3.3%)	-0.3 (-0.6%)
	BN	2.7 (5.3%)	-0.5 (-0.9%)
	D	2.9 (5.8%)	0.3 (0.5%)
	C	7.1 (13.5%)	0.2 (0.4%)
	AVG	3.4 (6.6%)	-0.3 (-0.5%)

Alternative 6A: Trinity River below Lewiston Reservoir			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
AUG	W	1.5 (2.9%)	-0.6 (-1.1%)
	AN	2.3 (4.5%)	0.1 (0.2%)
	BN	3 (5.9%)	0.1 (0.1%)
	D	3.9 (7.8%)	-0.1 (-0.2%)
	C	9.1 (16.9%)	-0.3 (-0.5%)
	AVG	3.5 (6.9%)	-0.2 (-0.4%)
SEP	W	1.9 (3.9%)	0 (0%)
	AN	2.3 (4.6%)	0.5 (1%)
	BN	3.5 (6.8%)	0 (-0.1%)
	D	5.5 (11%)	-0.3 (-0.6%)
	C	5.9 (10.3%)	0.2 (0.3%)
	AVG	3.6 (7.1%)	0 (0%)
OCT	W	3 (6.3%)	-0.2 (-0.5%)
	AN	2.4 (4.8%)	0 (0.1%)
	BN	2.8 (5.7%)	0 (-0.1%)
	D	2.3 (4.6%)	0.1 (0.1%)
	C	3.6 (6.9%)	-0.9 (-1.6%)
	AVG	2.8 (5.7%)	-0.2 (-0.4%)
NOV	W	2.3 (5.3%)	-0.3 (-0.6%)
	AN	2.2 (4.8%)	-0.1 (-0.2%)
	BN	2.6 (5.9%)	0.1 (0.1%)
	D	2.4 (5.4%)	-0.4 (-0.7%)
	C	2.1 (4.5%)	0 (0.1%)
	AVG	2.3 (5.2%)	-0.2 (-0.3%)
DEC	W	1.8 (4.3%)	-0.3 (-0.7%)
	AN	2.9 (7.3%)	-0.7 (-1.7%)
	BN	2.8 (7.1%)	0.3 (0.8%)
	D	1.8 (4.5%)	0 (-0.1%)
	C	1.9 (4.7%)	0.1 (0.3%)
	AVG	2.1 (5.3%)	-0.1 (-0.3%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.6.7 Trinity River at Douglas City

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 6A Model Scenarios in the Trinity River at Douglas City, Year-Round

Alternative 6A: Trinity River at Douglas City				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
JAN	W	40	42	42
	AN	39	40	40
	BN	38	40	40
	D	38	40	40
	C	39	41	41
	AVG	39	41	41
FEB	W	43	45	45
	AN	43	45	45
	BN	42	44	44
	D	43	44	44
	C	43	45	45
	AVG	43	45	45
MAR	W	46	47	47
	AN	47	48	48
	BN	47	48	48
	D	48	49	49
	C	48	49	49
	AVG	47	48	48
APR	W	51	52	52
	AN	52	53	53
	BN	52	54	54
	D	53	54	54
	C	52	54	54
	AVG	52	53	53
MAY	W	48	50	50
	AN	48	50	50
	BN	49	51	51
	D	49	51	52
	C	52	55	55
	AVG	49	51	51
JUN	W	51	54	53
	AN	54	55	55
	BN	55	57	57
	D	57	59	59
	C	60	63	63
	AVG	55	57	57
JUL	W	57	61	60
	AN	58	60	60
	BN	59	62	62
	D	59	62	62
	C	62	67	67
	AVG	59	62	62

Alternative 6A: Trinity River at Douglas City				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
AUG	W	60	62	62
	AN	59	61	61
	BN	60	63	63
	D	58	62	62
	C	61	67	68
	AVG	60	63	63
SEP	W	55	57	57
	AN	55	57	57
	BN	56	59	59
	D	55	60	59
	C	59	64	63
	AVG	56	59	59
OCT	W	50	53	53
	AN	51	53	53
	BN	52	54	54
	D	51	53	53
	C	53	56	55
	AVG	51	54	53
NOV	W	44	46	46
	AN	45	47	47
	BN	45	47	47
	D	44	46	46
	C	46	47	48
	AVG	44	47	47
DEC	W	41	43	43
	AN	40	42	42
	BN	39	42	42
	D	40	42	42
	C	39	41	41
	AVG	40	42	42

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River at Douglas City, Year-Round

Alternative 6A: Trinity River at Douglas City			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
JAN	W	1.8 (4.4%)	0.2 (0.4%)
	AN	1.6 (4.1%)	0 (0%)
	BN	1.5 (3.9%)	0 (0%)
	D	2 (5.3%)	-0.1 (-0.4%)
	C	2 (5.2%)	0 (-0.1%)
	AVG	1.8 (4.6%)	0 (0%)
FEB	W	1.6 (3.7%)	0 (0%)
	AN	1.5 (3.5%)	0 (0%)
	BN	1.6 (3.8%)	0 (0%)
	D	1.6 (3.7%)	0 (0%)
	C	1.8 (4.2%)	0 (-0.1%)
	AVG	1.6 (3.8%)	0 (0%)
MAR	W	1.1 (2.5%)	0 (-0.1%)
	AN	0.9 (1.9%)	-0.1 (-0.2%)
	BN	1.3 (2.7%)	0.1 (0.2%)
	D	1 (2.1%)	0 (0%)
	C	1.5 (3.2%)	0 (0%)
	AVG	1.2 (2.5%)	0 (0%)
APR	W	1.1 (2.1%)	-0.1 (-0.3%)
	AN	1.4 (2.6%)	0 (0%)
	BN	1.8 (3.4%)	0.1 (0.1%)
	D	1.7 (3.2%)	0 (0%)
	C	1.9 (3.7%)	0.1 (0.2%)
	AVG	1.5 (2.9%)	0 (0%)
MAY	W	2.4 (5%)	0 (0.1%)
	AN	2.2 (4.7%)	0 (0%)
	BN	2.1 (4.4%)	0 (0.1%)
	D	2.5 (5.2%)	0.1 (0.1%)
	C	3.2 (6.2%)	0.2 (0.4%)
	AVG	2.5 (5.1%)	0.1 (0.1%)
JUN	W	2.1 (4.1%)	0 (-0.1%)
	AN	1 (1.8%)	0 (0%)
	BN	1.8 (3.2%)	0 (0%)
	D	2.4 (4.2%)	0 (0%)
	C	3.2 (5.4%)	0.1 (0.1%)
	AVG	2.1 (3.9%)	0 (0%)
JUL	W	3.3 (5.8%)	-0.5 (-0.7%)
	AN	2 (3.5%)	-0.2 (-0.3%)
	BN	2.4 (4.1%)	-0.3 (-0.4%)
	D	2.9 (4.8%)	0.2 (0.3%)
	C	5 (8.1%)	0.4 (0.6%)
	AVG	3.1 (5.3%)	-0.1 (-0.2%)

Alternative 6A: Trinity River at Douglas City			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
AUG	W	2.2 (3.7%)	-0.3 (-0.5%)
	AN	2.7 (4.6%)	0.1 (0.1%)
	BN	3.1 (5.2%)	0.1 (0.1%)
	D	3.7 (6.3%)	0 (-0.1%)
	C	6.9 (11.3%)	0.6 (0.9%)
	AVG	3.4 (5.8%)	0 (0%)
SEP	W	2.4 (4.5%)	0 (0%)
	AN	2.6 (4.8%)	0.3 (0.6%)
	BN	3.3 (5.9%)	0 (0%)
	D	4.5 (8.2%)	-0.2 (-0.3%)
	C	4.2 (7.1%)	-1.1 (-1.7%)
	AVG	3.3 (6%)	-0.2 (-0.3%)
OCT	W	2.4 (4.8%)	-0.1 (-0.3%)
	AN	2 (3.9%)	0.1 (0.2%)
	BN	2.4 (4.5%)	0 (0%)
	D	2 (3.9%)	0 (0%)
	C	2.5 (4.8%)	-0.6 (-1%)
	AVG	2.3 (4.4%)	-0.1 (-0.2%)
NOV	W	1.9 (4.4%)	-0.2 (-0.3%)
	AN	2 (4.4%)	0 (-0.1%)
	BN	2.3 (5%)	0 (0.1%)
	D	2 (4.6%)	-0.2 (-0.4%)
	C	1.9 (4.1%)	0 (0%)
	AVG	2 (4.5%)	-0.1 (-0.2%)
DEC	W	1.4 (3.4%)	0 (-0.1%)
	AN	2.1 (5.2%)	-0.3 (-0.8%)
	BN	2.3 (5.8%)	0.2 (0.4%)
	D	1.7 (4.3%)	0 (0%)
	C	2.2 (5.8%)	0 (0.1%)
	AVG	1.8 (4.6%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.6.8 Trinity River below North Fork

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 6A Model Scenarios in the Trinity River below North Fork, Year-Round

Alternative 6A: Trinity River below North Fork				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
JAN	W	40	41	41
	AN	38	39	39
	BN	38	39	39
	D	38	39	39
	C	38	40	40
	AVG	39	40	40
FEB	W	43	44	44
	AN	43	44	44
	BN	43	44	44
	D	43	44	44
	C	43	45	45
	AVG	43	44	44
MAR	W	46	47	47
	AN	46	47	47
	BN	46	47	47
	D	47	48	48
	C	48	49	49
	AVG	47	47	47
APR	W	53	53	53
	AN	54	54	54
	BN	54	55	55
	D	54	55	55
	C	54	55	55
	AVG	53	54	54
MAY	W	50	52	52
	AN	50	52	52
	BN	51	53	53
	D	51	54	54
	C	54	57	57
	AVG	51	53	53
JUN	W	55	57	57
	AN	58	58	58
	BN	60	61	61
	D	62	64	64
	C	63	66	66
	AVG	59	61	61
JUL	W	63	66	66
	AN	63	66	65
	BN	65	67	67
	D	65	68	68
	C	68	71	71
	AVG	65	67	67

Alternative 6A: Trinity River below North Fork				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
AUG	W	65	68	67
	AN	64	67	67
	BN	65	68	68
	D	64	67	67
	C	65	69	70
	AVG	65	68	68
SEP	W	59	62	62
	AN	59	61	61
	BN	59	62	63
	D	58	62	62
	C	61	64	63
	AVG	59	62	62
OCT	W	53	55	55
	AN	53	55	55
	BN	54	56	56
	D	53	54	54
	C	54	56	56
	AVG	53	55	55
NOV	W	44	45	45
	AN	44	46	46
	BN	44	46	46
	D	44	45	45
	C	45	47	47
	AVG	44	46	46
DEC	W	41	42	42
	AN	40	42	41
	BN	39	41	41
	D	40	41	41
	C	38	40	40
	AVG	40	41	41

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River below North Fork, Year-Round

Alternative 6A: Trinity River below North Fork			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
JAN	W	1.3 (3.2%)	0.1 (0.3%)
	AN	1 (2.7%)	0 (0%)
	BN	1 (2.7%)	0 (0%)
	D	1.5 (4.1%)	-0.1 (-0.2%)
	C	1.7 (4.4%)	0 (0%)
	AVG	1.3 (3.4%)	0 (0.1%)
FEB	W	1.1 (2.5%)	0 (0%)
	AN	1 (2.4%)	0 (0.1%)
	BN	1.1 (2.7%)	0 (0%)
	D	1.1 (2.5%)	0 (0%)
	C	1.4 (3.3%)	0 (0%)
	AVG	1.1 (2.6%)	0 (0%)
MAR	W	0.7 (1.6%)	0 (0%)
	AN	0.6 (1.3%)	0 (0%)
	BN	0.8 (1.6%)	0 (0.1%)
	D	0.7 (1.5%)	0 (0%)
	C	1.1 (2.2%)	0 (0%)
	AVG	0.8 (1.7%)	0 (0%)
APR	W	0.7 (1.4%)	-0.1 (-0.1%)
	AN	0.9 (1.7%)	0 (0%)
	BN	1.1 (2%)	0 (0%)
	D	1.2 (2.2%)	0 (0%)
	C	1.5 (2.7%)	0 (0.1%)
	AVG	1 (1.9%)	0 (0%)
MAY	W	2.1 (4.2%)	0 (0.1%)
	AN	2.1 (4.1%)	0 (0%)
	BN	1.9 (3.8%)	0 (0%)
	D	2.3 (4.5%)	0.1 (0.1%)
	C	2.8 (5.2%)	0.1 (0.2%)
	AVG	2.2 (4.3%)	0 (0.1%)
JUN	W	1.8 (3.3%)	0 (0%)
	AN	0.7 (1.3%)	0 (0%)
	BN	1.7 (2.9%)	0 (0%)
	D	2.2 (3.6%)	0 (0%)
	C	2.5 (4%)	0 (0%)
	AVG	1.9 (3.2%)	0 (0%)
JUL	W	3.1 (5%)	-0.3 (-0.4%)
	AN	2.1 (3.2%)	-0.1 (-0.2%)
	BN	2.2 (3.3%)	-0.1 (-0.1%)
	D	2.6 (4%)	0.1 (0.1%)
	C	3.5 (5.1%)	0.2 (0.2%)
	AVG	2.8 (4.3%)	-0.1 (-0.1%)

Alternative 6A: Trinity River below North Fork			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
AUG	W	2.4 (3.7%)	-0.1 (-0.2%)
	AN	2.7 (4.1%)	0 (0%)
	BN	2.8 (4.4%)	0 (0%)
	D	3.2 (5.1%)	0 (0%)
	C	4.7 (7.1%)	0.8 (1.1%)
	AVG	3 (4.7%)	0.1 (0.1%)
SEP	W	2.6 (4.4%)	0 (0%)
	AN	2.6 (4.5%)	0.1 (0.2%)
	BN	3 (5.1%)	0 (0%)
	D	3.6 (6.2%)	-0.1 (-0.1%)
	C	2.5 (4.2%)	-0.4 (-0.7%)
	AVG	2.9 (4.9%)	-0.1 (-0.1%)
OCT	W	1.9 (3.6%)	-0.1 (-0.1%)
	AN	1.8 (3.3%)	-0.1 (-0.2%)
	BN	2 (3.7%)	0 (0%)
	D	1.8 (3.4%)	0 (0%)
	C	2.4 (4.6%)	-0.1 (-0.3%)
	AVG	2 (3.7%)	-0.1 (-0.1%)
NOV	W	1.6 (3.6%)	-0.1 (-0.1%)
	AN	1.5 (3.4%)	0 (0%)
	BN	1.9 (4.2%)	0 (0%)
	D	1.6 (3.7%)	-0.1 (-0.2%)
	C	1.7 (3.7%)	0 (0%)
	AVG	1.6 (3.7%)	0 (-0.1%)
DEC	W	1 (2.5%)	0.1 (0.2%)
	AN	1.4 (3.5%)	-0.1 (-0.4%)
	BN	1.7 (4.5%)	0.1 (0.2%)
	D	1.4 (3.7%)	0 (0%)
	C	1.9 (5%)	0 (0.1%)
	AVG	1.4 (3.6%)	0 (0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.6.9 Feather River at Fish Barrier Dam

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 6A Model Scenarios in the Feather River at Fish Barrier Dam, Year-Round

Alternative 6A: Feather River at Fish Barrier Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
JAN	W	48	51	51
	AN	47	50	51
	BN	48	51	51
	D	47	51	51
	C	48	51	51
	AVG	48	51	51
FEB	W	48	51	51
	AN	48	51	51
	BN	48	51	52
	D	49	52	52
	C	49	53	53
	AVG	48	51	52
MAR	W	49	51	51
	AN	49	51	51
	BN	50	53	53
	D	51	53	54
	C	51	54	54
	AVG	50	52	53
APR	W	51	52	53
	AN	51	53	53
	BN	52	54	54
	D	52	54	54
	C	52	54	54
	AVG	51	53	54
MAY	W	55	56	55
	AN	56	56	56
	BN	56	56	56
	D	56	56	56
	C	56	57	57
	AVG	55	56	56
JUN	W	57	58	58
	AN	58	58	58
	BN	58	58	58
	D	58	58	59
	C	58	59	59
	AVG	58	58	58
JUL	W	61	61	62
	AN	61	61	61
	BN	61	61	61
	D	61	61	62
	C	61	62	63
	AVG	61	61	62

Alternative 6A: Feather River at Fish Barrier Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
AUG	W	61	61	61
	AN	60	60	60
	BN	60	60	60
	D	60	62	61
	C	62	64	62
	AVG	61	61	61
SEP	W	56	55	56
	AN	56	55	56
	BN	56	57	56
	D	56	61	56
	C	58	63	61
	AVG	56	58	57
OCT	W	54	58	56
	AN	55	58	57
	BN	54	58	58
	D	54	59	58
	C	54	58	57
	AVG	54	58	57
NOV	W	52	58	56
	AN	53	58	56
	BN	53	58	57
	D	52	59	57
	C	53	58	57
	AVG	53	58	57
DEC	W	49	53	53
	AN	49	55	54
	BN	49	54	54
	D	49	54	54
	C	49	54	54
	AVG	49	54	54

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Fish Barrier Dam, Year-Round

Alternative 6A: Feather River at Fish Barrier Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
JAN	W	3.2 (6.7%)	0.4 (0.8%)
	AN	3.3 (6.9%)	0.2 (0.4%)
	BN	3.2 (6.7%)	0.2 (0.3%)
	D	3.6 (7.6%)	0.2 (0.4%)
	C	3.9 (8.1%)	0 (0.1%)
	AVG	3.4 (7.1%)	0.2 (0.5%)
FEB	W	2.9 (6.1%)	0.3 (0.6%)
	AN	2.7 (5.6%)	0.2 (0.3%)
	BN	3.3 (6.7%)	0.3 (0.5%)
	D	3.2 (6.6%)	0.3 (0.6%)
	C	3.5 (7.2%)	0.1 (0.1%)
	AVG	3.1 (6.4%)	0.3 (0.5%)
MAR	W	2.8 (5.8%)	0.3 (0.6%)
	AN	2.4 (4.9%)	0.1 (0.3%)
	BN	3.4 (6.9%)	0.2 (0.3%)
	D	2.7 (5.3%)	0.4 (0.7%)
	C	3.3 (6.4%)	0.2 (0.3%)
	AVG	2.9 (5.8%)	0.3 (0.5%)
APR	W	2 (4%)	0.2 (0.4%)
	AN	2 (3.8%)	0.3 (0.5%)
	BN	1.9 (3.7%)	0.3 (0.5%)
	D	2.1 (4%)	0.2 (0.3%)
	C	2.8 (5.5%)	0.3 (0.6%)
	AVG	2.1 (4.2%)	0.2 (0.4%)
MAY	W	0.6 (1.1%)	-0.1 (-0.2%)
	AN	0.5 (1%)	0 (0%)
	BN	0.5 (0.8%)	0.1 (0.3%)
	D	0.6 (1.1%)	0.3 (0.6%)
	C	0.9 (1.7%)	0.1 (0.2%)
	AVG	0.6 (1.1%)	0.1 (0.1%)
JUN	W	0.6 (1%)	0.1 (0.2%)
	AN	0.3 (0.5%)	-0.1 (-0.1%)
	BN	0.3 (0.6%)	0.1 (0.2%)
	D	1 (1.7%)	0.4 (0.8%)
	C	0.8 (1.4%)	-0.4 (-0.6%)
	AVG	0.6 (1.1%)	0.1 (0.2%)
JUL	W	0.3 (0.5%)	0.2 (0.3%)
	AN	0.5 (0.8%)	0.2 (0.3%)
	BN	0.6 (0.9%)	0.1 (0.2%)
	D	1.1 (1.9%)	0.6 (0.9%)
	C	1.7 (2.8%)	0.3 (0.5%)
	AVG	0.8 (1.3%)	0.3 (0.5%)

Alternative 6A: Feather River at Fish Barrier Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
AUG	W	-0.1 (-0.1%)	0.2 (0.3%)
	AN	0.4 (0.7%)	0.2 (0.3%)
	BN	0.4 (0.7%)	-0.1 (-0.2%)
	D	1 (1.6%)	-0.9 (-1.5%)
	C	0.3 (0.4%)	-2.1 (-3.3%)
	AVG	0.4 (0.6%)	-0.5 (-0.7%)
SEP	W	-0.4 (-0.7%)	0.2 (0.4%)
	AN	-0.2 (-0.3%)	0.3 (0.5%)
	BN	0.1 (0.1%)	-1.5 (-2.6%)
	D	0.5 (1%)	-4.4 (-7.2%)
	C	3.3 (5.6%)	-2.2 (-3.4%)
	AVG	0.5 (0.8%)	-1.4 (-2.5%)
OCT	W	2.6 (4.8%)	-2 (-3.4%)
	AN	2.2 (4%)	-1.2 (-2%)
	BN	3.7 (6.9%)	-0.6 (-1%)
	D	3.8 (7%)	-1.9 (-3.2%)
	C	3.1 (5.8%)	-0.7 (-1.1%)
	AVG	3.1 (5.7%)	-1.4 (-2.4%)
NOV	W	3.4 (6.5%)	-2.5 (-4.2%)
	AN	3.2 (6%)	-1.8 (-3%)
	BN	4.3 (8.1%)	-1.2 (-2%)
	D	4.8 (9.1%)	-1.5 (-2.6%)
	C	4 (7.7%)	-1.2 (-2%)
	AVG	3.9 (7.5%)	-1.7 (-3%)
DEC	W	4.3 (8.7%)	-0.2 (-0.4%)
	AN	4.7 (9.6%)	-0.9 (-1.6%)
	BN	4.9 (10.1%)	-0.6 (-1.1%)
	D	4.8 (9.9%)	-0.2 (-0.4%)
	C	4.8 (9.9%)	0.1 (0.2%)
	AVG	4.7 (9.5%)	-0.3 (-0.6%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.6.10 Feather River Low-Flow Channel (above Thermalito Afterbay)

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 6A Model Scenarios in the Feather River at Low-Flow Channel (above Thermalito Afterbay), Year-Round

Alternative 6A: Feather River Low-Flow Channel (above Thermalito Afterbay)				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
JAN	W	47	50	51
	AN	47	50	50
	BN	47	50	50
	D	47	50	50
	C	47	51	51
	AVG	47	50	50
FEB	W	49	51	52
	AN	49	51	52
	BN	49	52	52
	D	49	52	52
	C	50	53	53
	AVG	49	52	52
MAR	W	50	53	53
	AN	51	53	53
	BN	51	54	55
	D	52	55	55
	C	53	56	56
	AVG	51	54	54
APR	W	53	55	56
	AN	55	57	57
	BN	55	57	57
	D	55	57	58
	C	55	57	58
	AVG	55	57	57
MAY	W	59	61	61
	AN	60	62	62
	BN	60	61	61
	D	60	61	61
	C	60	62	62
	AVG	60	61	61
JUN	W	63	65	65
	AN	64	66	66
	BN	64	65	66
	D	64	66	66
	C	63	65	65
	AVG	64	65	65

Alternative 6A: Feather River Low-Flow Channel (above Thermalito Afterbay)				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
JUL	W	68	69	69
	AN	67	69	69
	BN	67	69	69
	D	67	69	69
	C	67	70	70
	AVG	67	69	69
AUG	W	66	68	68
	AN	65	67	67
	BN	66	68	68
	D	65	68	67
	C	67	70	68
	AVG	66	68	68
SEP	W	60	61	61
	AN	60	61	61
	BN	60	62	61
	D	60	65	62
	C	61	66	65
	AVG	60	63	62
OCT	W	55	60	58
	AN	57	60	59
	BN	56	60	60
	D	56	61	59
	C	56	60	59
	AVG	56	60	59
NOV	W	52	58	56
	AN	53	58	57
	BN	53	58	57
	D	53	58	57
	C	53	58	57
	AVG	53	58	56
DEC	W	48	53	52
	AN	49	54	53
	BN	48	53	53
	D	48	53	53
	C	48	53	53
	AVG	48	53	53

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Low-Flow Channel (above Thermalito Afterbay), Year-Round

Alternative 6A: Feather River Low-Flow Channel (above Thermalito Afterbay)			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
JAN	W	3.2 (6.7%)	0.4 (0.7%)
	AN	3.3 (7%)	0.2 (0.4%)
	BN	3.1 (6.6%)	0.1 (0.3%)
	D	3.4 (7.3%)	0.2 (0.4%)
	C	3.7 (7.8%)	0 (0.1%)
	AVG	3.3 (7%)	0.2 (0.4%)
FEB	W	2.9 (6%)	0.2 (0.5%)
	AN	2.7 (5.6%)	0.1 (0.2%)
	BN	3.1 (6.4%)	0.2 (0.4%)
	D	3.1 (6.3%)	0.2 (0.5%)
	C	3.4 (6.9%)	0.1 (0.2%)
	AVG	3.1 (6.2%)	0.2 (0.4%)
MAR	W	2.7 (5.4%)	0.2 (0.4%)
	AN	2.4 (4.7%)	0.1 (0.2%)
	BN	3.2 (6.1%)	0.1 (0.2%)
	D	2.7 (5.1%)	0.3 (0.5%)
	C	3.1 (5.9%)	0.1 (0.2%)
	AVG	2.8 (5.4%)	0.2 (0.4%)
APR	W	2 (3.8%)	0.2 (0.3%)
	AN	2.1 (3.9%)	0.2 (0.3%)
	BN	2 (3.7%)	0.2 (0.3%)
	D	2.3 (4.1%)	0.1 (0.2%)
	C	2.8 (5.1%)	0.2 (0.4%)
	AVG	2.2 (4%)	0.2 (0.3%)
MAY	W	1.4 (2.3%)	-0.1 (-0.1%)
	AN	1.4 (2.3%)	0 (0%)
	BN	1.3 (2.1%)	0.1 (0.2%)
	D	1.4 (2.3%)	0.2 (0.4%)
	C	1.6 (2.7%)	0 (0.1%)
	AVG	1.4 (2.3%)	0.1 (0.1%)
JUN	W	1.7 (2.7%)	0.1 (0.1%)
	AN	1.7 (2.6%)	-0.1 (-0.1%)
	BN	1.7 (2.6%)	0.1 (0.1%)
	D	2.1 (3.3%)	0.3 (0.4%)
	C	1.9 (3%)	-0.2 (-0.3%)
	AVG	1.8 (2.9%)	0.1 (0.1%)
JUL	W	1.7 (2.6%)	0.1 (0.2%)
	AN	1.9 (2.8%)	0.2 (0.2%)
	BN	1.9 (2.8%)	0.1 (0.1%)
	D	2.3 (3.4%)	0.3 (0.5%)
	C	2.8 (4.2%)	0.2 (0.2%)
	AVG	2.1 (3.1%)	0.2 (0.2%)

Alternative 6A: Feather River Low-Flow Channel (above Thermalito Afterbay)			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
AUG	W	1.6 (2.4%)	0.1 (0.1%)
	AN	1.8 (2.8%)	0.1 (0.2%)
	BN	1.9 (2.9%)	-0.1 (-0.1%)
	D	2.2 (3.4%)	-0.6 (-0.9%)
	C	1.8 (2.7%)	-1.4 (-2%)
	AVG	1.9 (2.8%)	-0.3 (-0.5%)
SEP	W	1 (1.6%)	0.2 (0.3%)
	AN	1 (1.7%)	0.2 (0.3%)
	BN	1.2 (2%)	-1.1 (-1.7%)
	D	1.7 (2.8%)	-3.2 (-4.9%)
	C	3.5 (5.7%)	-1.6 (-2.4%)
	AVG	1.6 (2.6%)	-1 (-1.7%)
OCT	W	2.8 (5%)	-1.6 (-2.6%)
	AN	2.5 (4.3%)	-0.9 (-1.5%)
	BN	3.8 (6.7%)	-0.4 (-0.7%)
	D	3.7 (6.7%)	-1.5 (-2.5%)
	C	3.2 (5.8%)	-0.5 (-0.8%)
	AVG	3.2 (5.7%)	-1.1 (-1.8%)
NOV	W	3.4 (6.4%)	-2 (-3.5%)
	AN	3.2 (6%)	-1.5 (-2.5%)
	BN	4.1 (7.7%)	-1 (-1.7%)
	D	4.5 (8.5%)	-1.3 (-2.2%)
	C	3.9 (7.3%)	-1 (-1.7%)
	AVG	3.8 (7.2%)	-1.4 (-2.5%)
DEC	W	4.1 (8.5%)	-0.2 (-0.3%)
	AN	4.4 (9.1%)	-0.8 (-1.4%)
	BN	4.6 (9.5%)	-0.5 (-1%)
	D	4.5 (9.4%)	-0.2 (-0.4%)
	C	4.5 (9.3%)	0.1 (0.1%)
	AVG	4.4 (9.1%)	-0.3 (-0.5%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.6.11 Feather River High-Flow Channel (below Thermalito Afterbay)

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 6A Model Scenarios in the Feather River at High-Flow Channel (below Thermalito Afterbay), Year-Round

Alternative 6A: Feather River High-Flow Channel (below Thermalito Afterbay)				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
JAN	W	47	50	50
	AN	47	50	50
	BN	46	49	49
	D	46	49	49
	C	46	50	50
	AVG	47	49	50
FEB	W	49	52	52
	AN	49	52	52
	BN	49	52	53
	D	50	53	53
	C	51	54	54
	AVG	50	52	53
MAR	W	51	54	54
	AN	52	54	54
	BN	53	56	56
	D	54	57	57
	C	54	57	57
	AVG	53	55	55
APR	W	55	57	57
	AN	57	59	59
	BN	58	59	59
	D	57	60	60
	C	57	60	60
	AVG	57	59	59
MAY	W	61	63	63
	AN	63	64	64
	BN	63	65	64
	D	63	65	65
	C	63	66	66
	AVG	62	64	64
JUN	W	66	68	68
	AN	67	70	69
	BN	67	70	69
	D	68	71	72
	C	68	71	71
	AVG	67	70	70

Alternative 6A: Feather River High-Flow Channel (below Thermalito Afterbay)				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
JUL	W	70	70	72
	AN	68	69	70
	BN	68	70	71
	D	68	70	73
	C	70	74	75
	AVG	69	71	72
AUG	W	70	70	71
	AN	67	69	70
	BN	68	70	70
	D	67	71	71
	C	70	74	74
	AVG	69	71	71
SEP	W	64	63	65
	AN	64	64	66
	BN	65	68	65
	D	64	67	66
	C	64	69	68
	AVG	64	66	66
OCT	W	58	62	62
	AN	60	63	62
	BN	59	63	63
	D	58	63	62
	C	59	63	62
	AVG	59	63	62
NOV	W	53	57	56
	AN	54	58	57
	BN	53	57	57
	D	53	57	57
	C	53	57	57
	AVG	53	57	57
DEC	W	48	51	51
	AN	48	52	51
	BN	47	51	51
	D	47	51	51
	C	47	50	50
	AVG	47	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at High-Flow Channel (below Thermalito Afterbay), Year-Round

Alternative 6A: Feather River High-Flow Channel (below Thermalito Afterbay)			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
JAN	W	3 (6.4%)	0.4 (0.7%)
	AN	3 (6.4%)	0.1 (0.2%)
	BN	2.9 (6.2%)	0.2 (0.3%)
	D	3 (6.6%)	0.1 (0.3%)
	C	3.3 (7.2%)	0.1 (0.1%)
	AVG	3 (6.6%)	0.2 (0.4%)
FEB	W	2.8 (5.7%)	0.1 (0.3%)
	AN	2.9 (5.9%)	-0.2 (-0.4%)
	BN	3.1 (6.3%)	0.2 (0.3%)
	D	2.9 (5.8%)	0.1 (0.3%)
	C	3.3 (6.4%)	0.1 (0.3%)
	AVG	3 (6%)	0.1 (0.2%)
MAR	W	2.5 (4.9%)	0.2 (0.4%)
	AN	1.4 (2.6%)	-0.3 (-0.6%)
	BN	3.1 (5.7%)	0 (0.1%)
	D	2.8 (5.1%)	0.3 (0.5%)
	C	3 (5.6%)	0 (0%)
	AVG	2.6 (4.9%)	0.1 (0.2%)
APR	W	2.1 (3.9%)	0.1 (0.2%)
	AN	2.4 (4.2%)	0.1 (0.2%)
	BN	1.9 (3.3%)	0.1 (0.2%)
	D	2.7 (4.7%)	0.3 (0.5%)
	C	2.6 (4.6%)	0.2 (0.3%)
	AVG	2.3 (4.1%)	0.2 (0.3%)
MAY	W	2.5 (4.1%)	-0.3 (-0.4%)
	AN	1.6 (2.6%)	0 (0%)
	BN	1.8 (2.9%)	-0.3 (-0.5%)
	D	2.4 (3.8%)	0.1 (0.1%)
	C	2.2 (3.5%)	0 (0%)
	AVG	2.2 (3.5%)	-0.1 (-0.2%)
JUN	W	2.4 (3.6%)	-0.3 (-0.5%)
	AN	1.9 (2.9%)	-0.6 (-0.8%)
	BN	1.9 (2.8%)	-0.5 (-0.7%)
	D	3.5 (5.1%)	0.6 (0.8%)
	C	3.1 (4.6%)	0.1 (0.2%)
	AVG	2.6 (3.8%)	-0.1 (-0.2%)
JUL	W	2 (2.9%)	1.5 (2.2%)
	AN	2.6 (3.8%)	1.2 (1.7%)
	BN	2.6 (3.8%)	0.6 (0.8%)
	D	5.1 (7.6%)	2.9 (4.1%)
	C	5.3 (7.6%)	1 (1.4%)
	AVG	3.4 (4.9%)	1.5 (2.2%)

Alternative 6A: Feather River High-Flow Channel (below Thermalito Afterbay)			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
AUG	W	1.7 (2.5%)	1.1 (1.5%)
	AN	2.5 (3.8%)	0.8 (1.1%)
	BN	1.9 (2.8%)	-0.2 (-0.3%)
	D	4.4 (6.6%)	0.5 (0.7%)
	C	3.8 (5.5%)	-0.2 (-0.3%)
	AVG	2.8 (4.1%)	0.5 (0.7%)
SEP	W	0.9 (1.4%)	1.6 (2.6%)
	AN	1.5 (2.4%)	2 (3.1%)
	BN	0.5 (0.8%)	-2.3 (-3.5%)
	D	2.3 (3.7%)	-0.2 (-0.3%)
	C	4 (6.2%)	-0.9 (-1.3%)
	AVG	1.7 (2.7%)	0.2 (0.3%)
OCT	W	3.2 (5.4%)	-0.8 (-1.2%)
	AN	2.7 (4.5%)	-0.7 (-1.2%)
	BN	3.3 (5.6%)	-0.3 (-0.5%)
	D	3.2 (5.5%)	-1.1 (-1.7%)
	C	3.2 (5.4%)	-0.6 (-1%)
	AVG	3.1 (5.4%)	-0.7 (-1.2%)
NOV	W	3.3 (6.2%)	-1 (-1.8%)
	AN	3.4 (6.3%)	-0.6 (-1.1%)
	BN	3.6 (6.8%)	-0.5 (-1%)
	D	3.9 (7.3%)	-0.8 (-1.4%)
	C	3.7 (6.8%)	-0.4 (-0.7%)
	AVG	3.5 (6.7%)	-0.7 (-1.3%)
DEC	W	3.5 (7.3%)	0 (0.1%)
	AN	3.8 (8%)	-0.7 (-1.3%)
	BN	3.7 (7.9%)	-0.5 (-1%)
	D	3.9 (8.2%)	-0.2 (-0.4%)
	C	3.7 (7.9%)	-0.2 (-0.3%)
	AVG	3.7 (7.8%)	-0.2 (-0.5%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.6.12 Feather River at Gridley Dam

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 6A Model Scenarios in the Feather River at Gridley Dam, Year-Round

Alternative 6A: Feather River at Gridley Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
JAN	W	47	50	50
	AN	47	49	50
	BN	46	49	49
	D	46	48	48
	C	46	49	49
	AVG	46	49	49
FEB	W	49	52	52
	AN	49	52	52
	BN	50	53	53
	D	50	53	53
	C	51	54	54
	AVG	50	53	53
MAR	W	51	54	54
	AN	53	54	54
	BN	54	57	57
	D	55	57	57
	C	54	57	57
	AVG	53	56	56
APR	W	56	58	58
	AN	58	60	60
	BN	59	61	61
	D	59	61	61
	C	58	61	61
	AVG	58	60	60
MAY	W	61	64	64
	AN	64	66	66
	BN	64	66	66
	D	64	66	67
	C	64	67	67
	AVG	63	66	66
JUN	W	67	69	69
	AN	69	71	71
	BN	69	71	71
	D	69	72	73
	C	69	72	72
	AVG	68	71	71
JUL	W	70	71	73
	AN	69	70	71
	BN	69	71	72
	D	69	71	74
	C	71	75	76
	AVG	70	72	73

Alternative 6A: Feather River at Gridley Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
AUG	W	71	71	72
	AN	68	70	71
	BN	69	71	71
	D	68	72	72
	C	71	75	75
	AVG	69	72	72
SEP	W	65	64	66
	AN	65	64	66
	BN	66	69	66
	D	65	68	67
	C	66	70	69
	AVG	65	67	67
OCT	W	59	63	62
	AN	60	63	63
	BN	60	63	63
	D	59	63	62
	C	59	63	63
	AVG	59	63	62
NOV	W	53	57	56
	AN	54	58	57
	BN	53	57	57
	D	53	57	57
	C	54	57	57
	AVG	53	57	57
DEC	W	48	51	51
	AN	47	52	51
	BN	47	51	50
	D	47	51	50
	C	46	50	50
	AVG	47	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Gridley Dam, Year-Round

Alternative 6A: Feather River at Gridley Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
JAN	W	3 (6.4%)	0.4 (0.7%)
	AN	3 (6.4%)	0 (0.1%)
	BN	2.9 (6.2%)	0.1 (0.3%)
	D	2.9 (6.5%)	0.1 (0.3%)
	C	3.3 (7.1%)	0 (0.1%)
	AVG	3 (6.5%)	0.2 (0.4%)
FEB	W	2.8 (5.6%)	0.1 (0.2%)
	AN	2.9 (5.8%)	-0.2 (-0.5%)
	BN	3.1 (6.3%)	0.1 (0.3%)
	D	2.9 (5.8%)	0.1 (0.3%)
	C	3.2 (6.3%)	0.1 (0.2%)
	AVG	2.9 (5.9%)	0.1 (0.1%)
MAR	W	2.5 (4.9%)	0.2 (0.4%)
	AN	1.4 (2.6%)	-0.3 (-0.6%)
	BN	3 (5.7%)	0 (0.1%)
	D	2.7 (4.9%)	0.2 (0.3%)
	C	2.9 (5.3%)	0 (0%)
	AVG	2.5 (4.8%)	0.1 (0.1%)
APR	W	2.1 (3.8%)	0.1 (0.2%)
	AN	2.4 (4.1%)	0.1 (0.2%)
	BN	2 (3.3%)	0.1 (0.2%)
	D	2.6 (4.4%)	0.2 (0.4%)
	C	2.6 (4.5%)	0.1 (0.2%)
	AVG	2.3 (4%)	0.1 (0.2%)
MAY	W	2.7 (4.4%)	-0.3 (-0.5%)
	AN	1.9 (2.9%)	0 (0%)
	BN	1.9 (2.9%)	-0.2 (-0.3%)
	D	2.4 (3.7%)	0.2 (0.3%)
	C	2.3 (3.6%)	0 (0.1%)
	AVG	2.3 (3.7%)	-0.1 (-0.1%)
JUN	W	2.5 (3.8%)	-0.2 (-0.3%)
	AN	1.9 (2.8%)	-0.6 (-0.8%)
	BN	1.9 (2.8%)	-0.4 (-0.6%)
	D	3.7 (5.3%)	0.8 (1.1%)
	C	3.2 (4.6%)	0.1 (0.1%)
	AVG	2.7 (4%)	0 (0%)
JUL	W	2.1 (3%)	1.5 (2.1%)
	AN	2.8 (4%)	1.2 (1.7%)
	BN	2.7 (4%)	0.6 (0.8%)
	D	5.4 (7.8%)	2.9 (4.1%)
	C	5.4 (7.7%)	1 (1.4%)
	AVG	3.5 (5%)	1.5 (2.1%)

Alternative 6A: Feather River at Gridley Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
AUG	W	1.6 (2.3%)	1 (1.4%)
	AN	2.6 (3.8%)	0.8 (1.1%)
	BN	2.1 (3%)	-0.3 (-0.4%)
	D	4.6 (6.7%)	0.3 (0.4%)
	C	3.5 (5%)	-0.6 (-0.9%)
	AVG	2.8 (4%)	0.3 (0.5%)
SEP	W	0.5 (0.7%)	1.7 (2.7%)
	AN	1.2 (1.9%)	2 (3.1%)
	BN	0.5 (0.7%)	-2.4 (-3.5%)
	D	2.2 (3.4%)	-1.1 (-1.6%)
	C	3.8 (5.9%)	-0.9 (-1.2%)
	AVG	1.5 (2.2%)	0 (0.1%)
OCT	W	3.2 (5.5%)	-0.7 (-1.1%)
	AN	2.7 (4.5%)	-0.6 (-1%)
	BN	3.4 (5.7%)	-0.3 (-0.4%)
	D	3.3 (5.6%)	-0.9 (-1.4%)
	C	3.2 (5.4%)	-0.5 (-0.8%)
	AVG	3.2 (5.4%)	-0.6 (-1%)
NOV	W	3.2 (6.1%)	-0.9 (-1.6%)
	AN	3.3 (6.1%)	-0.6 (-1%)
	BN	3.5 (6.6%)	-0.5 (-0.9%)
	D	3.8 (7.2%)	-0.7 (-1.2%)
	C	3.6 (6.7%)	-0.4 (-0.7%)
	AVG	3.5 (6.5%)	-0.7 (-1.2%)
DEC	W	3.5 (7.3%)	0.1 (0.1%)
	AN	3.7 (7.8%)	-0.6 (-1.2%)
	BN	3.6 (7.7%)	-0.5 (-1%)
	D	3.7 (8%)	-0.2 (-0.4%)
	C	3.6 (7.7%)	-0.2 (-0.3%)
	AVG	3.6 (7.6%)	-0.2 (-0.5%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.6.13 Feather River at Honcut Creek

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 6A Model Scenarios in the Feather River at Honcut Creek, Year-Round

Alternative 6A: Feather River at Honcut Creek				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
JAN	W	47	50	50
	AN	46	49	50
	BN	46	49	49
	D	45	48	48
	C	46	49	49
	AVG	46	49	49
FEB	W	49	52	52
	AN	49	53	52
	BN	50	53	53
	D	50	53	53
	C	51	54	54
	AVG	50	53	53
MAR	W	52	54	54
	AN	53	55	54
	BN	54	57	57
	D	55	58	58
	C	55	58	58
	AVG	53	56	56
APR	W	56	58	58
	AN	59	61	61
	BN	60	62	62
	D	60	62	62
	C	59	62	62
	AVG	58	61	61
MAY	W	62	65	65
	AN	65	67	67
	BN	65	67	67
	D	65	67	67
	C	65	68	68
	AVG	64	67	67
JUN	W	67	70	70
	AN	69	72	71
	BN	69	72	71
	D	70	73	74
	C	69	73	73
	AVG	69	72	72
JUL	W	71	72	73
	AN	69	71	72
	BN	69	72	72
	D	69	72	75
	C	71	76	77
	AVG	70	72	74

Alternative 6A: Feather River at Honcut Creek				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
AUG	W	72	72	73
	AN	69	71	71
	BN	69	72	72
	D	68	73	73
	C	72	76	75
	AVG	70	73	73
SEP	W	66	64	66
	AN	66	65	67
	BN	67	69	67
	D	66	70	68
	C	66	71	70
	AVG	66	68	67
OCT	W	59	63	62
	AN	60	64	63
	BN	60	64	63
	D	59	63	62
	C	60	64	63
	AVG	60	63	63
NOV	W	53	57	56
	AN	54	58	57
	BN	53	57	57
	D	53	57	56
	C	54	57	57
	AVG	53	57	56
DEC	W	47	51	51
	AN	47	52	51
	BN	46	51	50
	D	46	50	50
	C	46	50	50
	AVG	47	51	50

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Honcut Creek, Year-Round

Alternative 6A: Feather River at Honcut Creek			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
JAN	W	3 (6.4%)	0.3 (0.7%)
	AN	3 (6.5%)	0.1 (0.1%)
	BN	2.8 (6.2%)	0.1 (0.2%)
	D	2.9 (6.4%)	0.1 (0.2%)
	C	3.2 (7%)	0 (0%)
	AVG	3 (6.5%)	0.2 (0.3%)
FEB	W	2.8 (5.7%)	0.1 (0.2%)
	AN	2.8 (5.7%)	-0.2 (-0.4%)
	BN	3.1 (6.2%)	0.1 (0.2%)
	D	2.9 (5.8%)	0.1 (0.2%)
	C	3.1 (6.1%)	0.1 (0.2%)
	AVG	2.9 (5.9%)	0.1 (0.1%)
MAR	W	2.5 (4.9%)	0.2 (0.4%)
	AN	1.4 (2.6%)	-0.4 (-0.7%)
	BN	3 (5.6%)	0 (0%)
	D	2.6 (4.8%)	0.2 (0.3%)
	C	2.8 (5.2%)	0 (0%)
	AVG	2.5 (4.7%)	0.1 (0.1%)
APR	W	2.1 (3.8%)	0.1 (0.1%)
	AN	2.4 (4.1%)	0.1 (0.2%)
	BN	2 (3.4%)	0.1 (0.1%)
	D	2.5 (4.2%)	0.2 (0.3%)
	C	2.6 (4.4%)	0.1 (0.2%)
	AVG	2.3 (3.9%)	0.1 (0.2%)
MAY	W	2.9 (4.6%)	-0.3 (-0.5%)
	AN	2.1 (3.2%)	0 (0%)
	BN	1.9 (2.9%)	-0.1 (-0.2%)
	D	2.4 (3.6%)	0.3 (0.5%)
	C	2.4 (3.7%)	0.1 (0.1%)
	AVG	2.4 (3.8%)	0 (-0.1%)
JUN	W	2.7 (4%)	-0.2 (-0.3%)
	AN	2 (2.8%)	-0.5 (-0.7%)
	BN	1.9 (2.8%)	-0.4 (-0.5%)
	D	3.8 (5.5%)	0.9 (1.2%)
	C	3.2 (4.6%)	0.1 (0.1%)
	AVG	2.8 (4%)	0 (0%)
JUL	W	2.2 (3.1%)	1.4 (2%)
	AN	2.9 (4.2%)	1.3 (1.8%)
	BN	2.9 (4.2%)	0.6 (0.8%)
	D	5.6 (8%)	2.9 (4.1%)
	C	5.5 (7.7%)	1 (1.4%)
	AVG	3.6 (5.2%)	1.5 (2.1%)

Alternative 6A: Feather River at Honcut Creek			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
AUG	W	1.6 (2.3%)	0.9 (1.3%)
	AN	2.7 (3.9%)	0.8 (1.1%)
	BN	2.2 (3.2%)	-0.2 (-0.3%)
	D	4.7 (6.9%)	0.2 (0.2%)
	C	3.2 (4.5%)	-1 (-1.3%)
	AVG	2.8 (4%)	0.3 (0.4%)
SEP	W	0.2 (0.4%)	1.8 (2.8%)
	AN	1.1 (1.7%)	2.1 (3.2%)
	BN	0.5 (0.8%)	-2.4 (-3.4%)
	D	2.1 (3.2%)	-1.7 (-2.5%)
	C	3.7 (5.6%)	-0.9 (-1.2%)
	AVG	1.3 (2%)	-0.1 (-0.1%)
OCT	W	3.3 (5.5%)	-0.6 (-1%)
	AN	2.7 (4.5%)	-0.5 (-0.8%)
	BN	3.4 (5.6%)	-0.2 (-0.4%)
	D	3.3 (5.6%)	-0.8 (-1.2%)
	C	3.3 (5.5%)	-0.5 (-0.8%)
	AVG	3.2 (5.4%)	-0.5 (-0.9%)
NOV	W	3.2 (6.1%)	-0.8 (-1.5%)
	AN	3.3 (6.1%)	-0.6 (-1%)
	BN	3.5 (6.6%)	-0.4 (-0.8%)
	D	3.7 (7.1%)	-0.6 (-1.1%)
	C	3.5 (6.6%)	-0.4 (-0.6%)
	AVG	3.4 (6.5%)	-0.6 (-1.1%)
DEC	W	3.4 (7.2%)	0.1 (0.1%)
	AN	3.7 (7.7%)	-0.7 (-1.3%)
	BN	3.5 (7.5%)	-0.5 (-1%)
	D	3.6 (7.8%)	-0.3 (-0.5%)
	C	3.4 (7.5%)	-0.1 (-0.3%)
	AVG	3.5 (7.5%)	-0.2 (-0.5%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.6.14 Feather River at the Confluence with the Sacramento River

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 6A Model Scenarios in the Feather River at the Confluence with the Sacramento River, Year-Round

Alternative 6A: Feather River at the Confluence with the Sacramento River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
JAN	W	47	48	49
	AN	46	48	48
	BN	46	47	47
	D	45	47	47
	C	45	48	48
	AVG	46	48	48
FEB	W	50	52	52
	AN	50	52	52
	BN	50	51	51
	D	50	52	52
	C	51	53	53
	AVG	50	52	52
MAR	W	53	55	55
	AN	54	56	56
	BN	55	57	57
	D	55	57	57
	C	56	58	58
	AVG	55	56	56
APR	W	59	60	60
	AN	60	62	62
	BN	61	62	62
	D	62	64	64
	C	63	65	65
	AVG	61	63	63
MAY	W	65	68	67
	AN	66	69	69
	BN	67	69	69
	D	68	70	71
	C	68	71	71
	AVG	66	69	69
JUN	W	70	73	73
	AN	71	75	75
	BN	72	75	75
	D	73	77	78
	C	72	76	76
	AVG	71	75	75

Alternative 6A: Feather River at the Confluence with the Sacramento River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
JUL	W	74	76	77
	AN	72	75	76
	BN	73	76	76
	D	73	76	79
	C	75	79	80
	AVG	73	76	78
AUG	W	73	76	77
	AN	71	74	75
	BN	72	75	75
	D	72	76	77
	C	75	79	78
	AVG	73	76	76
SEP	W	71	70	71
	AN	70	70	71
	BN	70	73	72
	D	70	74	73
	C	70	74	74
	AVG	70	72	72
OCT	W	61	64	64
	AN	62	64	64
	BN	61	64	64
	D	61	64	64
	C	62	65	65
	AVG	61	64	64
NOV	W	52	55	55
	AN	53	56	56
	BN	53	55	55
	D	52	55	55
	C	53	56	56
	AVG	53	55	55
DEC	W	47	49	49
	AN	47	50	49
	BN	46	49	48
	D	46	49	48
	C	45	47	47
	AVG	46	49	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at the Confluence with the Sacramento River, Year-Round

Alternative 6A: Feather River at the Confluence with the Sacramento River			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
JAN	W	2.1 (4.5%)	0.2 (0.5%)
	AN	1.9 (4%)	0 (0%)
	BN	1.9 (4.1%)	0 (0.1%)
	D	2.1 (4.7%)	0 (0.1%)
	C	2.2 (4.8%)	-0.1 (-0.2%)
	AVG	2 (4.4%)	0.1 (0.1%)
FEB	W	2.1 (4.1%)	0.1 (0.3%)
	AN	2 (3.9%)	0 (0%)
	BN	1.7 (3.5%)	0 (0.1%)
	D	1.9 (3.8%)	0 (0%)
	C	2.3 (4.4%)	0.1 (0.2%)
	AVG	2 (3.9%)	0.1 (0.1%)
MAR	W	1.8 (3.4%)	0.1 (0.1%)
	AN	1.2 (2.3%)	-0.1 (-0.2%)
	BN	1.9 (3.4%)	0 (0%)
	D	1.8 (3.3%)	0.1 (0.2%)
	C	2.1 (3.7%)	0 (0%)
	AVG	1.8 (3.3%)	0 (0.1%)
APR	W	1.6 (2.8%)	0 (0%)
	AN	1.9 (3.2%)	0 (0%)
	BN	1.7 (2.7%)	0 (0%)
	D	2.1 (3.4%)	0 (0.1%)
	C	2.3 (3.6%)	0.1 (0.1%)
	AVG	1.9 (3.1%)	0 (0%)
MAY	W	2.9 (4.5%)	-0.1 (-0.1%)
	AN	3 (4.5%)	0 (0%)
	BN	2.6 (3.9%)	0 (0.1%)
	D	3 (4.4%)	0.3 (0.4%)
	C	2.8 (4.2%)	0.1 (0.2%)
	AVG	2.9 (4.3%)	0.1 (0.1%)
JUN	W	3.4 (5%)	0 (0%)
	AN	3.3 (4.6%)	-0.1 (-0.1%)
	BN	3.1 (4.4%)	-0.2 (-0.3%)
	D	4.6 (6.3%)	0.8 (1%)
	C	3.7 (5.1%)	0.2 (0.2%)
	AVG	3.7 (5.1%)	0.1 (0.2%)
JUL	W	3.9 (5.3%)	1.3 (1.7%)
	AN	3.8 (5.2%)	1.1 (1.5%)
	BN	3.6 (5%)	0.5 (0.7%)
	D	5.8 (8%)	2.5 (3.3%)
	C	5.5 (7.4%)	1 (1.3%)
	AVG	4.5 (6.2%)	1.4 (1.8%)

Alternative 6A: Feather River at the Confluence with the Sacramento River			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
AUG	W	3.5 (4.8%)	1 (1.3%)
	AN	3.4 (4.8%)	0.7 (0.9%)
	BN	3.2 (4.5%)	0.2 (0.2%)
	D	5.2 (7.2%)	0.5 (0.6%)
	C	3.6 (4.9%)	-0.7 (-0.9%)
	AVG	3.8 (5.3%)	0.4 (0.6%)
SEP	W	0.9 (1.3%)	1.6 (2.3%)
	AN	1.6 (2.3%)	1.7 (2.4%)
	BN	1.5 (2.1%)	-1.5 (-2%)
	D	2.6 (3.7%)	-1.8 (-2.4%)
	C	3.5 (5%)	-0.1 (-0.2%)
	AVG	1.9 (2.7%)	0.1 (0.1%)
OCT	W	3 (4.9%)	-0.2 (-0.3%)
	AN	2.4 (4%)	-0.1 (-0.2%)
	BN	2.9 (4.7%)	-0.1 (-0.1%)
	D	2.9 (4.8%)	-0.2 (-0.3%)
	C	3 (4.9%)	-0.3 (-0.4%)
	AVG	2.9 (4.7%)	-0.2 (-0.3%)
NOV	W	2.5 (4.7%)	-0.3 (-0.5%)
	AN	2.6 (4.8%)	-0.3 (-0.6%)
	BN	2.7 (5%)	-0.2 (-0.3%)
	D	2.6 (4.9%)	-0.2 (-0.4%)
	C	2.6 (4.9%)	-0.2 (-0.3%)
	AVG	2.6 (4.9%)	-0.2 (-0.4%)
DEC	W	2.1 (4.4%)	0.1 (0.3%)
	AN	2.4 (5%)	-0.6 (-1.1%)
	BN	2.4 (5.1%)	-0.4 (-0.8%)
	D	2.4 (5.2%)	-0.2 (-0.4%)
	C	2.3 (5.1%)	0 (-0.1%)
	AVG	2.3 (4.9%)	-0.2 (-0.3%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.6.15 American River below Nimbus Dam

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 6A Model Scenarios in the American River below Nimbus Dam, Year-Round

Alternative 6A: American River below Nimbus Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
JAN	W	47	50	50
	AN	47	49	50
	BN	46	49	49
	D	47	49	49
	C	47	50	50
	AVG	47	50	50
FEB	W	48	51	51
	AN	48	52	52
	BN	47	51	51
	D	49	52	52
	C	51	54	54
	AVG	48	52	52
MAR	W	52	55	55
	AN	53	56	56
	BN	53	56	56
	D	53	57	56
	C	55	58	58
	AVG	53	56	56
APR	W	56	59	59
	AN	57	60	60
	BN	57	61	61
	D	59	62	62
	C	59	63	62
	AVG	58	60	60
MAY	W	60	64	64
	AN	61	66	66
	BN	61	65	65
	D	64	67	67
	C	64	68	68
	AVG	62	66	66
JUN	W	64	67	67
	AN	65	68	68
	BN	65	68	68
	D	67	69	70
	C	68	72	72
	AVG	66	68	69
JUL	W	66	68	68
	AN	66	66	67
	BN	66	67	68
	D	67	69	69
	C	70	74	73
	AVG	67	69	69

Alternative 6A: American River below Nimbus Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
AUG	W	67	70	69
	AN	67	69	69
	BN	67	69	69
	D	67	71	71
	C	70	76	77
	AVG	67	71	71
SEP	W	65	68	68
	AN	66	69	68
	BN	66	69	68
	D	66	71	71
	C	68	73	73
	AVG	66	70	69
OCT	W	58	68	68
	AN	59	68	68
	BN	58	68	68
	D	59	67	68
	C	61	68	68
	AVG	59	68	68
NOV	W	57	61	61
	AN	57	61	61
	BN	56	61	61
	D	57	61	61
	C	58	61	61
	AVG	57	61	61
DEC	W	50	53	53
	AN	51	53	53
	BN	50	52	52
	D	50	53	53
	C	50	52	52
	AVG	50	53	53

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River below Nimbus Dam, Year-Round

Alternative 6A: American River below Nimbus Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
JAN	W	3.1 (6.7%)	0 (0.1%)
	AN	2.8 (6%)	0.2 (0.3%)
	BN	3 (6.6%)	0 (0.1%)
	D	2.9 (6.2%)	0 (0.1%)
	C	2.9 (6.2%)	-0.1 (-0.2%)
	AVG	3 (6.4%)	0 (0.1%)
FEB	W	3.5 (7.2%)	0 (0%)
	AN	3.8 (8%)	0 (0.1%)
	BN	3.2 (6.8%)	-0.1 (-0.1%)
	D	3.4 (7%)	0 (0%)
	C	3.4 (6.7%)	0.1 (0.2%)
	AVG	3.4 (7.1%)	0 (0%)
MAR	W	3.1 (6%)	0 (0%)
	AN	2.9 (5.6%)	0 (0%)
	BN	2.9 (5.4%)	0.3 (0.5%)
	D	3.3 (6.2%)	-0.1 (-0.3%)
	C	2.9 (5.4%)	0 (0%)
	AVG	3.1 (5.8%)	0 (0%)
APR	W	2.9 (5.3%)	0 (0%)
	AN	3.2 (5.5%)	0 (0%)
	BN	3.1 (5.4%)	0 (-0.1%)
	D	2.8 (4.7%)	0.2 (0.4%)
	C	3 (5%)	-0.3 (-0.4%)
	AVG	3 (5.2%)	0 (0%)
MAY	W	4.1 (6.9%)	-0.1 (-0.1%)
	AN	4.6 (7.5%)	-0.2 (-0.3%)
	BN	4.1 (6.7%)	-0.1 (-0.1%)
	D	2.9 (4.6%)	-0.1 (-0.2%)
	C	3.5 (5.4%)	-0.2 (-0.3%)
	AVG	3.8 (6.2%)	-0.1 (-0.2%)
JUN	W	2.9 (4.6%)	-0.1 (-0.1%)
	AN	3 (4.6%)	0.2 (0.2%)
	BN	3 (4.6%)	0 (0%)
	D	2.5 (3.7%)	0.6 (0.9%)
	C	4.4 (6.5%)	0.1 (0.2%)
	AVG	3.1 (4.7%)	0.2 (0.2%)
JUL	W	1.1 (1.7%)	-0.4 (-0.6%)
	AN	0.9 (1.3%)	0.4 (0.7%)
	BN	1.6 (2.5%)	0.5 (0.7%)
	D	2.2 (3.3%)	-0.1 (-0.1%)
	C	3.2 (4.6%)	-1.2 (-1.6%)
	AVG	1.7 (2.6%)	-0.2 (-0.2%)

Alternative 6A: American River below Nimbus Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
AUG	W	2.5 (3.7%)	-0.7 (-1%)
	AN	1.7 (2.6%)	-0.3 (-0.5%)
	BN	1.6 (2.4%)	-0.2 (-0.3%)
	D	3.8 (5.7%)	-0.4 (-0.6%)
	C	6.6 (9.4%)	0.3 (0.4%)
	AVG	3.1 (4.6%)	-0.3 (-0.5%)
SEP	W	3 (4.5%)	0.3 (0.4%)
	AN	2.9 (4.4%)	-0.2 (-0.3%)
	BN	2.3 (3.4%)	-0.5 (-0.7%)
	D	4.5 (6.7%)	-0.5 (-0.8%)
	C	4.8 (7%)	0 (0%)
	AVG	3.4 (5.2%)	-0.1 (-0.2%)
OCT	W	9.3 (16%)	0 (0%)
	AN	8.5 (14.3%)	-0.3 (-0.4%)
	BN	9.6 (16.4%)	-0.2 (-0.2%)
	D	8.5 (14.4%)	0.2 (0.3%)
	C	7.1 (11.7%)	-0.3 (-0.4%)
	AVG	8.7 (14.8%)	0 (-0.1%)
NOV	W	4.1 (7.2%)	0.3 (0.4%)
	AN	4 (7%)	0.2 (0.3%)
	BN	4.3 (7.7%)	0 (-0.1%)
	D	4 (7.1%)	0.2 (0.3%)
	C	3.5 (6.1%)	-0.1 (-0.1%)
	AVG	4 (7.1%)	0.1 (0.2%)
DEC	W	2.8 (5.6%)	0.2 (0.4%)
	AN	2.9 (5.8%)	0.2 (0.4%)
	BN	2.7 (5.5%)	0 (0%)
	D	2.8 (5.6%)	0.1 (0.2%)
	C	2.3 (4.7%)	-0.2 (-0.4%)
	AVG	2.7 (5.5%)	0.1 (0.2%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.6.16 American River at Watt Avenue

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 6A Model Scenarios in the American River at Watt Avenue, Year-Round

Alternative 6A: American River at Watt Avenue				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
JAN	W	47	50	50
	AN	47	49	49
	BN	46	49	49
	D	46	49	49
	C	46	49	49
	AVG	46	49	49
FEB	W	48	52	52
	AN	48	52	52
	BN	48	51	51
	D	49	52	52
	C	51	54	54
	AVG	49	52	52
MAR	W	53	56	56
	AN	53	56	56
	BN	54	56	56
	D	54	57	57
	C	56	58	58
	AVG	54	56	56
APR	W	56	59	59
	AN	58	61	61
	BN	58	61	61
	D	60	63	63
	C	61	64	64
	AVG	58	61	61
MAY	W	61	65	65
	AN	62	67	67
	BN	62	67	66
	D	65	68	68
	C	66	69	69
	AVG	63	67	67
JUN	W	65	68	68
	AN	67	70	70
	BN	67	70	70
	D	69	71	72
	C	69	73	73
	AVG	67	70	70
JUL	W	68	70	70
	AN	67	68	69
	BN	67	69	70
	D	68	71	71
	C	72	76	75
	AVG	68	71	71

Alternative 6A: American River at Watt Avenue				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
AUG	W	68	72	71
	AN	69	72	71
	BN	69	72	71
	D	69	73	73
	C	71	77	77
	AVG	69	73	73
SEP	W	66	69	69
	AN	66	70	70
	BN	67	70	70
	D	67	72	72
	C	69	73	73
	AVG	67	71	71
OCT	W	59	67	67
	AN	60	67	67
	BN	59	68	67
	D	60	67	67
	C	61	68	68
	AVG	60	67	67
NOV	W	56	60	60
	AN	56	60	60
	BN	56	60	60
	D	56	59	60
	C	57	60	60
	AVG	56	60	60
DEC	W	50	52	52
	AN	50	52	53
	BN	49	51	52
	D	49	52	52
	C	49	51	51
	AVG	49	52	52

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River at Watt Avenue, Year-Round

Alternative 6A: American River at Watt Avenue			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
JAN	W	3.1 (6.7%)	0 (0.1%)
	AN	2.8 (6%)	0.1 (0.3%)
	BN	3 (6.5%)	0.1 (0.1%)
	D	2.8 (6.1%)	0.1 (0.2%)
	C	2.9 (6.1%)	-0.1 (-0.1%)
	AVG	2.9 (6.4%)	0 (0.1%)
FEB	W	3.4 (7.1%)	0 (0%)
	AN	3.7 (7.7%)	0 (0%)
	BN	3.1 (6.5%)	-0.1 (-0.1%)
	D	3.2 (6.5%)	0 (0%)
	C	3.3 (6.4%)	0 (0.1%)
	AVG	3.3 (6.8%)	0 (0%)
MAR	W	3 (5.7%)	0 (0%)
	AN	2.8 (5.3%)	0 (0%)
	BN	2.7 (5.1%)	0.2 (0.3%)
	D	3.1 (5.7%)	-0.1 (-0.2%)
	C	2.8 (5%)	0.1 (0.2%)
	AVG	2.9 (5.4%)	0 (0%)
APR	W	2.8 (5%)	0 (0%)
	AN	3.1 (5.4%)	0 (0%)
	BN	3 (5.1%)	0 (0%)
	D	2.8 (4.7%)	0.3 (0.4%)
	C	2.8 (4.5%)	-0.1 (-0.1%)
	AVG	2.9 (4.9%)	0 (0.1%)
MAY	W	4.2 (6.9%)	-0.1 (-0.1%)
	AN	4.6 (7.4%)	-0.2 (-0.3%)
	BN	4 (6.4%)	-0.1 (-0.2%)
	D	2.9 (4.4%)	-0.1 (-0.1%)
	C	3.2 (4.9%)	-0.1 (-0.1%)
	AVG	3.8 (6%)	-0.1 (-0.2%)
JUN	W	3.3 (5.1%)	-0.2 (-0.2%)
	AN	3.1 (4.6%)	0.2 (0.2%)
	BN	3.1 (4.7%)	0 (0.1%)
	D	2.8 (4.1%)	0.6 (0.8%)
	C	4 (5.7%)	0 (0%)
	AVG	3.2 (4.8%)	0.1 (0.2%)
JUL	W	1.7 (2.5%)	-0.4 (-0.5%)
	AN	1.4 (2.1%)	0.6 (0.8%)
	BN	2.4 (3.5%)	0.7 (1%)
	D	2.9 (4.3%)	0 (0.1%)
	C	2.9 (4%)	-1 (-1.3%)
	AVG	2.2 (3.2%)	-0.1 (-0.1%)

Alternative 6A: American River at Watt Avenue			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
AUG	W	3.4 (5%)	-0.7 (-1%)
	AN	2.6 (3.8%)	-0.3 (-0.5%)
	BN	2.3 (3.4%)	-0.2 (-0.3%)
	D	4.5 (6.5%)	-0.1 (-0.1%)
	C	5.6 (7.9%)	0.2 (0.2%)
	AVG	3.7 (5.3%)	-0.3 (-0.4%)
SEP	W	3.6 (5.4%)	0.6 (0.9%)
	AN	3.3 (5%)	-0.1 (-0.1%)
	BN	3.2 (4.7%)	-0.2 (-0.2%)
	D	4.5 (6.7%)	-0.3 (-0.4%)
	C	4.3 (6.3%)	0 (0%)
	AVG	3.8 (5.7%)	0.1 (0.1%)
OCT	W	7.8 (13.2%)	0.1 (0.1%)
	AN	7.2 (12.1%)	-0.2 (-0.4%)
	BN	8.1 (13.7%)	-0.1 (-0.2%)
	D	7 (11.8%)	0.2 (0.3%)
	C	6.1 (9.9%)	-0.1 (-0.2%)
	AVG	7.4 (12.3%)	0 (0%)
NOV	W	3.8 (6.7%)	0.2 (0.4%)
	AN	3.7 (6.6%)	0.2 (0.3%)
	BN	3.9 (7.1%)	-0.1 (-0.1%)
	D	3.6 (6.5%)	0.2 (0.3%)
	C	3.3 (5.8%)	-0.1 (-0.1%)
	AVG	3.7 (6.6%)	0.1 (0.2%)
DEC	W	2.7 (5.5%)	0.2 (0.4%)
	AN	2.8 (5.6%)	0.2 (0.4%)
	BN	2.6 (5.4%)	0 (0%)
	D	2.7 (5.5%)	0.2 (0.4%)
	C	2.1 (4.3%)	-0.2 (-0.4%)
	AVG	2.6 (5.3%)	0.1 (0.2%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.6.17 American River at the Confluence with the Sacramento River

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 6A Model Scenarios in the American River at the Confluence with the Sacramento River, Year-Round

Alternative 6A: American River at the Confluence with the Sacramento River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
JAN	W	47	50	50
	AN	46	49	49
	BN	46	48	48
	D	46	48	48
	C	46	49	49
	AVG	46	49	49
FEB	W	48	52	52
	AN	48	52	52
	BN	48	51	51
	D	49	52	52
	C	51	55	55
	AVG	49	52	52
MAR	W	53	56	56
	AN	53	56	56
	BN	54	56	56
	D	55	58	57
	C	56	59	59
	AVG	54	57	57
APR	W	57	60	60
	AN	58	61	61
	BN	59	62	62
	D	61	63	63
	C	62	64	64
	AVG	59	62	62
MAY	W	61	66	65
	AN	63	68	68
	BN	63	67	67
	D	66	69	69
	C	67	70	70
	AVG	64	67	67
JUN	W	65	69	69
	AN	68	71	71
	BN	68	71	71
	D	70	72	73
	C	70	74	74
	AVG	68	71	71

Alternative 6A: American River at the Confluence with the Sacramento River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
JUL	W	69	71	71
	AN	68	69	70
	BN	68	70	71
	D	69	72	72
	C	73	76	75
	AVG	69	72	72
AUG	W	69	73	73
	AN	69	73	72
	BN	70	73	73
	D	69	74	74
	C	72	77	77
	AVG	70	74	74
SEP	W	66	69	70
	AN	67	70	70
	BN	67	71	71
	D	68	72	72
	C	69	74	74
	AVG	67	71	71
OCT	W	60	67	67
	AN	60	67	67
	BN	60	67	67
	D	60	66	66
	C	62	67	67
	AVG	60	67	67
NOV	W	56	60	60
	AN	56	60	60
	BN	55	59	59
	D	56	59	59
	C	57	60	60
	AVG	56	59	59
DEC	W	49	52	52
	AN	49	52	52
	BN	48	51	51
	D	49	51	51
	C	48	50	50
	AVG	49	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River at the Confluence with the Sacramento River, Year-Round

Alternative 6A: American River at the Confluence with the Sacramento River			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
JAN	W	3.1 (6.7%)	0 (0.1%)
	AN	2.9 (6.1%)	0.1 (0.3%)
	BN	2.9 (6.4%)	0.1 (0.1%)
	D	2.7 (6%)	0.1 (0.2%)
	C	2.9 (6.2%)	-0.1 (-0.1%)
	AVG	2.9 (6.3%)	0.1 (0.1%)
FEB	W	3.4 (7%)	0 (0%)
	AN	3.7 (7.7%)	0 (0.1%)
	BN	3 (6.3%)	-0.1 (-0.1%)
	D	3.1 (6.3%)	0 (0%)
	C	3.2 (6.2%)	0 (0%)
	AVG	3.3 (6.7%)	0 (0%)
MAR	W	2.9 (5.5%)	0 (0%)
	AN	2.8 (5.2%)	0 (0%)
	BN	2.6 (4.9%)	0.1 (0.3%)
	D	3 (5.4%)	-0.1 (-0.2%)
	C	2.7 (4.8%)	0.1 (0.2%)
	AVG	2.8 (5.2%)	0 (0%)
APR	W	2.8 (4.9%)	0 (0%)
	AN	3 (5.2%)	0 (0%)
	BN	2.9 (5%)	0 (0%)
	D	2.8 (4.7%)	0.2 (0.4%)
	C	2.6 (4.3%)	0 (0%)
	AVG	2.8 (4.8%)	0 (0.1%)
MAY	W	4.3 (6.9%)	-0.1 (-0.1%)
	AN	4.6 (7.4%)	-0.2 (-0.3%)
	BN	4 (6.3%)	-0.1 (-0.2%)
	D	2.9 (4.4%)	-0.1 (-0.1%)
	C	3.1 (4.7%)	-0.1 (-0.1%)
	AVG	3.8 (5.9%)	-0.1 (-0.2%)
JUN	W	3.5 (5.3%)	-0.2 (-0.3%)
	AN	3.2 (4.7%)	0.2 (0.2%)
	BN	3.2 (4.7%)	0.1 (0.1%)
	D	3 (4.3%)	0.5 (0.7%)
	C	3.9 (5.5%)	0 (0%)
	AVG	3.3 (4.9%)	0.1 (0.1%)
JUL	W	2 (2.9%)	-0.3 (-0.5%)
	AN	1.7 (2.4%)	0.6 (0.9%)
	BN	2.8 (4.1%)	0.8 (1.1%)
	D	3.2 (4.7%)	0.1 (0.1%)
	C	2.8 (3.9%)	-0.9 (-1.2%)
	AVG	2.5 (3.6%)	0 (0%)

Alternative 6A: American River at the Confluence with the Sacramento River			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
AUG	W	3.9 (5.7%)	-0.7 (-1%)
	AN	3 (4.3%)	-0.3 (-0.5%)
	BN	2.7 (3.9%)	-0.2 (-0.3%)
	D	4.7 (6.8%)	0 (0%)
	C	5.3 (7.3%)	0.2 (0.2%)
	AVG	4 (5.7%)	-0.3 (-0.4%)
SEP	W	3.9 (5.9%)	0.8 (1.1%)
	AN	3.6 (5.3%)	-0.1 (-0.1%)
	BN	3.6 (5.3%)	0 (0%)
	D	4.5 (6.6%)	-0.2 (-0.3%)
	C	4.1 (5.9%)	0 (0%)
	AVG	4 (5.9%)	0.2 (0.3%)
OCT	W	7.1 (11.8%)	0.1 (0.1%)
	AN	6.6 (10.9%)	-0.2 (-0.4%)
	BN	7.3 (12.2%)	-0.1 (-0.2%)
	D	6.3 (10.5%)	0.2 (0.3%)
	C	5.5 (8.9%)	-0.1 (-0.1%)
	AVG	6.6 (11%)	0 (0%)
NOV	W	3.6 (6.5%)	0.2 (0.4%)
	AN	3.6 (6.4%)	0.1 (0.2%)
	BN	3.7 (6.7%)	-0.1 (-0.2%)
	D	3.4 (6.2%)	0.2 (0.3%)
	C	3.2 (5.6%)	0 (-0.1%)
	AVG	3.5 (6.3%)	0.1 (0.2%)
DEC	W	2.7 (5.4%)	0.2 (0.4%)
	AN	2.7 (5.5%)	0.2 (0.4%)
	BN	2.6 (5.4%)	0 (0%)
	D	2.6 (5.3%)	0.3 (0.5%)
	C	2 (4.1%)	-0.2 (-0.4%)
	AVG	2.5 (5.2%)	0.1 (0.3%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.6.18 Stanislaus River at Knights Ferry

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 6A Model Scenarios in the Stanislaus River at Knights Ferry, Year-Round

Alternative 6A: Stanislaus River at Knights Ferry				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
JAN	W	49	52	52
	AN	49	52	52
	BN	49	52	52
	D	48	51	51
	C	49	52	52
	AVG	49	52	52
FEB	W	49	52	52
	AN	49	52	52
	BN	49	52	52
	D	49	52	52
	C	50	53	53
	AVG	49	52	52
MAR	W	49	52	52
	AN	49	53	53
	BN	51	54	54
	D	51	54	54
	C	52	55	55
	AVG	50	54	54
APR	W	50	53	53
	AN	50	54	54
	BN	51	55	55
	D	52	55	55
	C	53	57	57
	AVG	51	54	54
MAY	W	51	55	55
	AN	53	56	56
	BN	54	57	57
	D	55	58	58
	C	56	59	59
	AVG	53	57	57
JUN	W	54	56	56
	AN	56	59	59
	BN	58	61	61
	D	59	63	62
	C	60	64	63
	AVG	57	60	60
JUL	W	57	59	59
	AN	59	62	62
	BN	60	63	63
	D	61	65	65
	C	62	66	66
	AVG	59	63	63

Alternative 6A: Stanislaus River at Knights Ferry				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
AUG	W	58	61	61
	AN	60	63	63
	BN	60	64	64
	D	61	65	65
	C	62	67	67
	AVG	60	64	64
SEP	W	59	62	62
	AN	60	64	64
	BN	61	64	64
	D	62	65	65
	C	63	67	67
	AVG	61	64	64
OCT	W	59	62	62
	AN	59	62	62
	BN	59	62	62
	D	58	62	62
	C	60	64	64
	AVG	59	63	63
NOV	W	56	59	59
	AN	56	59	59
	BN	56	59	59
	D	56	59	59
	C	57	61	61
	AVG	56	60	60
DEC	W	52	55	55
	AN	52	55	55
	BN	51	54	54
	D	51	54	54
	C	52	55	55
	AVG	51	55	55

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Knights Ferry, Year-Round

Alternative 6A: Stanislaus River at Knights Ferry			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
JAN	W	3.1 (6.3%)	0 (0%)
	AN	3.1 (6.4%)	0 (0%)
	BN	3.1 (6.4%)	0 (0%)
	D	3 (6.3%)	0 (0%)
	C	3 (6.2%)	0 (0%)
	AVG	3.1 (6.3%)	0 (0%)
FEB	W	3.1 (6.4%)	0 (0%)
	AN	3.2 (6.6%)	0 (0%)
	BN	3 (6.2%)	0 (0%)
	D	3.2 (6.5%)	0 (0%)
	C	3.1 (6.2%)	0 (0%)
	AVG	3.1 (6.4%)	0 (0%)
MAR	W	3.2 (6.5%)	0 (0%)
	AN	3.6 (7.3%)	0 (0%)
	BN	3.1 (6.1%)	0 (0%)
	D	3.3 (6.5%)	0 (0%)
	C	3 (5.8%)	0 (0%)
	AVG	3.2 (6.5%)	0 (0%)
APR	W	3.1 (6.2%)	0 (0%)
	AN	3.3 (6.6%)	0 (0.1%)
	BN	3.4 (6.7%)	0 (0%)
	D	3.5 (6.7%)	0 (0%)
	C	3.6 (6.7%)	0 (0%)
	AVG	3.3 (6.5%)	0 (0%)
MAY	W	3 (5.9%)	0 (0%)
	AN	3.2 (6%)	0 (0.1%)
	BN	3.5 (6.5%)	0 (0%)
	D	3.4 (6.2%)	0 (0%)
	C	3.3 (5.9%)	0 (0%)
	AVG	3.2 (6.1%)	0 (0%)
JUN	W	2.6 (4.8%)	0 (0%)
	AN	3.4 (6.1%)	0.1 (0.1%)
	BN	3.5 (6.1%)	-0.1 (-0.1%)
	D	3.6 (6.1%)	-0.2 (-0.3%)
	C	3.9 (6.5%)	-0.3 (-0.4%)
	AVG	3.3 (5.8%)	-0.1 (-0.1%)
JUL	W	2.5 (4.4%)	0 (0%)
	AN	3.3 (5.7%)	0 (0%)
	BN	3.5 (5.8%)	0 (-0.1%)
	D	3.7 (6%)	-0.1 (-0.1%)
	C	4 (6.5%)	-0.1 (-0.1%)
	AVG	3.3 (5.6%)	0 (-0.1%)

Alternative 6A: Stanislaus River at Knights Ferry			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
AUG	W	3.4 (5.8%)	0 (0%)
	AN	3.4 (5.7%)	0 (0%)
	BN	3.4 (5.7%)	0 (-0.1%)
	D	3.5 (5.7%)	-0.1 (-0.1%)
	C	4.3 (6.9%)	0 (0%)
	AVG	3.6 (6%)	0 (0%)
SEP	W	3.5 (6%)	0 (0%)
	AN	3.6 (6%)	0 (0%)
	BN	3.6 (5.9%)	0 (0%)
	D	3.7 (5.9%)	0 (0%)
	C	4.1 (6.5%)	0.2 (0.3%)
	AVG	3.7 (6.1%)	0 (0.1%)
OCT	W	3.5 (5.9%)	0 (0%)
	AN	3 (5.1%)	0 (0%)
	BN	3.3 (5.7%)	0 (0.1%)
	D	3.5 (5.9%)	0 (0%)
	C	3.7 (6.2%)	0 (0.1%)
	AVG	3.4 (5.8%)	0 (0%)
NOV	W	3.3 (5.8%)	0 (0%)
	AN	3 (5.4%)	0 (-0.1%)
	BN	3.3 (5.9%)	0 (0%)
	D	3.4 (6.1%)	0 (0%)
	C	3.5 (6.1%)	0 (0%)
	AVG	3.3 (5.8%)	0 (0%)
DEC	W	3.3 (6.4%)	0 (0%)
	AN	3 (5.9%)	0 (0%)
	BN	3.3 (6.4%)	0 (0%)
	D	3.2 (6.2%)	0 (0%)
	C	3.3 (6.4%)	0 (0%)
	AVG	3.2 (6.3%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.6.19 Stanislaus River at Orange Blossom Bridge

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 6A Model Scenarios in the Stanislaus River at Orange Blossom Bridge, Year-Round

Alternative 6A: Stanislaus River at Orange Blossom Bridge				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
JAN	W	48	51	51
	AN	48	51	51
	BN	48	51	51
	D	47	50	50
	C	48	51	51
	AVG	48	51	51
FEB	W	49	52	52
	AN	49	52	52
	BN	49	52	52
	D	49	52	52
	C	50	53	53
	AVG	49	52	52
MAR	W	49	53	53
	AN	50	54	54
	BN	52	55	55
	D	52	56	56
	C	53	56	56
	AVG	51	54	54
APR	W	50	53	53
	AN	51	54	54
	BN	52	56	56
	D	53	56	56
	C	55	58	58
	AVG	52	55	55
MAY	W	53	56	56
	AN	54	57	57
	BN	55	59	59
	D	56	60	60
	C	58	61	61
	AVG	55	58	58
JUN	W	56	58	58
	AN	58	62	62
	BN	60	64	64
	D	62	66	66
	C	63	67	66
	AVG	59	63	63
JUL	W	60	62	62
	AN	63	66	66
	BN	63	67	67
	D	64	68	68
	C	65	69	69
	AVG	63	66	66

Alternative 6A: Stanislaus River at Orange Blossom Bridge				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
AUG	W	60	64	64
	AN	63	66	66
	BN	63	66	66
	D	64	68	67
	C	65	69	69
	AVG	63	66	66
SEP	W	60	64	64
	AN	63	66	66
	BN	63	67	67
	D	63	67	67
	C	64	68	68
	AVG	62	66	66
OCT	W	59	62	62
	AN	59	62	62
	BN	59	62	62
	D	59	62	62
	C	60	64	64
	AVG	59	62	63
NOV	W	55	58	58
	AN	55	58	58
	BN	55	58	58
	D	55	58	58
	C	56	59	59
	AVG	55	58	58
DEC	W	50	54	54
	AN	50	53	53
	BN	49	53	53
	D	50	52	52
	C	50	53	53
	AVG	50	53	53

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Orange Blossom Bridge, Year-Round

Alternative 6A: Stanislaus River at Orange Blossom Bridge			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
JAN	W	3 (6.2%)	0 (0%)
	AN	3 (6.3%)	0 (0%)
	BN	2.9 (6.1%)	0 (0%)
	D	2.8 (5.9%)	0 (0%)
	C	2.8 (5.8%)	0 (0%)
	AVG	2.9 (6.1%)	0 (0%)
FEB	W	3.1 (6.3%)	0 (0%)
	AN	3.1 (6.3%)	0 (0%)
	BN	2.9 (6%)	0 (0%)
	D	3.2 (6.5%)	0 (0%)
	C	3.2 (6.3%)	0 (0%)
	AVG	3.1 (6.3%)	0 (0%)
MAR	W	3.2 (6.4%)	0 (0%)
	AN	3.7 (7.3%)	0 (0%)
	BN	3 (5.8%)	0 (0%)
	D	3.4 (6.5%)	0 (0%)
	C	3.1 (5.8%)	0 (0%)
	AVG	3.3 (6.4%)	0 (0%)
APR	W	3.1 (6.1%)	0 (0%)
	AN	3.4 (6.6%)	0.1 (0.1%)
	BN	3.5 (6.7%)	0 (0%)
	D	3.6 (6.8%)	0 (0%)
	C	3.7 (6.7%)	0 (0%)
	AVG	3.4 (6.5%)	0 (0%)
MAY	W	3.2 (6%)	0 (0%)
	AN	3.3 (6.2%)	0.1 (0.1%)
	BN	3.9 (7.1%)	0 (0%)
	D	3.6 (6.5%)	0 (0%)
	C	3.5 (6%)	0 (0.1%)
	AVG	3.4 (6.3%)	0 (0%)
JUN	W	2.3 (4.2%)	0 (0.1%)
	AN	3.9 (6.7%)	0.1 (0.2%)
	BN	3.7 (6.1%)	-0.3 (-0.4%)
	D	3.7 (6%)	-0.6 (-0.9%)
	C	3.7 (5.9%)	-0.4 (-0.5%)
	AVG	3.3 (5.6%)	-0.2 (-0.3%)
JUL	W	2.1 (3.5%)	0 (0%)
	AN	3.5 (5.6%)	0 (0%)
	BN	3.5 (5.5%)	0 (0%)
	D	3.9 (6%)	0.1 (0.1%)
	C	4 (6.2%)	0 (0%)
	AVG	3.3 (5.2%)	0 (0%)

Alternative 6A: Stanislaus River at Orange Blossom Bridge			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
AUG	W	3.9 (6.4%)	0 (0%)
	AN	3.5 (5.6%)	0 (0%)
	BN	3.4 (5.5%)	0 (0%)
	D	3.4 (5.4%)	-0.1 (-0.1%)
	C	4.2 (6.5%)	0 (0%)
	AVG	3.7 (6%)	0 (0%)
SEP	W	3.8 (6.3%)	0 (0%)
	AN	3.9 (6.2%)	0 (0%)
	BN	3.8 (6%)	0 (0%)
	D	3.7 (5.9%)	0 (0%)
	C	4.1 (6.3%)	0.1 (0.2%)
	AVG	3.8 (6.2%)	0 (0%)
OCT	W	3.4 (5.7%)	0 (0.1%)
	AN	3 (5.1%)	0 (0%)
	BN	3.2 (5.4%)	0 (0%)
	D	3.4 (5.8%)	0 (0%)
	C	3.6 (5.9%)	0 (0%)
	AVG	3.3 (5.6%)	0 (0%)
NOV	W	3.1 (5.7%)	0 (0%)
	AN	3 (5.5%)	0 (0%)
	BN	3.2 (5.8%)	0 (0%)
	D	3.2 (5.9%)	0 (0%)
	C	3.2 (5.8%)	0 (0%)
	AVG	3.2 (5.7%)	0 (0%)
DEC	W	3.2 (6.3%)	0 (0%)
	AN	2.9 (5.8%)	0 (0%)
	BN	3.3 (6.6%)	0 (0%)
	D	3 (6%)	0 (0%)
	C	3.1 (6.2%)	0 (0%)
	AVG	3.1 (6.2%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.6.20 Stanislaus River at Riverbank

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 6A Model Scenarios in the Stanislaus River at Riverbank, Year-Round

Alternative 6A: Stanislaus River at Riverbank				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
JAN	W	47	50	50
	AN	47	49	49
	BN	46	49	49
	D	45	48	48
	C	46	49	49
	AVG	46	49	49
FEB	W	49	52	52
	AN	50	53	53
	BN	50	52	52
	D	50	53	53
	C	51	54	54
	AVG	50	53	53
MAR	W	51	54	54
	AN	52	55	55
	BN	53	56	56
	D	54	57	57
	C	54	57	57
	AVG	52	56	56
APR	W	52	55	55
	AN	53	56	56
	BN	54	57	57
	D	54	58	58
	C	57	60	60
	AVG	54	57	57
MAY	W	56	59	59
	AN	57	60	60
	BN	58	62	62
	D	59	62	62
	C	60	64	64
	AVG	58	61	61
JUN	W	60	62	62
	AN	62	66	66
	BN	64	68	68
	D	66	70	70
	C	66	70	69
	AVG	63	67	66
JUL	W	65	67	67
	AN	68	71	71
	BN	68	71	71
	D	68	72	72
	C	68	72	72
	AVG	67	70	70

Alternative 6A: Stanislaus River at Riverbank				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
AUG	W	65	69	69
	AN	67	70	70
	BN	67	70	70
	D	68	71	71
	C	67	71	71
	AVG	66	70	70
SEP	W	64	67	67
	AN	66	70	70
	BN	66	69	69
	D	66	70	69
	C	66	70	70
	AVG	65	69	69
OCT	W	59	63	63
	AN	59	62	62
	BN	59	62	62
	D	59	62	62
	C	61	64	64
	AVG	60	63	63
NOV	W	53	56	56
	AN	53	56	56
	BN	53	56	56
	D	53	56	56
	C	54	57	57
	AVG	53	56	56
DEC	W	48	51	51
	AN	48	50	50
	BN	47	50	50
	D	47	50	50
	C	47	50	50
	AVG	47	50	50

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Riverbank, Year-Round

Alternative 6A: Stanislaus River at Riverbank			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
JAN	W	2.9 (6.3%)	0 (0%)
	AN	3 (6.4%)	0 (0%)
	BN	2.8 (6%)	0 (0%)
	D	2.5 (5.6%)	0 (0%)
	C	2.7 (5.8%)	0 (0%)
	AVG	2.8 (6%)	0 (0%)
FEB	W	2.9 (5.9%)	0 (0%)
	AN	2.9 (5.8%)	0 (0%)
	BN	2.7 (5.5%)	0 (0%)
	D	3 (6.1%)	0 (0%)
	C	3.1 (6%)	0 (0%)
	AVG	2.9 (5.9%)	0 (0%)
MAR	W	3 (5.9%)	0 (0%)
	AN	3.6 (7%)	0 (0%)
	BN	2.8 (5.3%)	0 (0%)
	D	3.4 (6.4%)	0 (0%)
	C	3 (5.6%)	0 (0%)
	AVG	3.2 (6%)	0 (0%)
APR	W	3 (5.7%)	0 (0%)
	AN	3.3 (6.2%)	0.1 (0.1%)
	BN	3.6 (6.6%)	0 (0%)
	D	3.6 (6.7%)	0 (0%)
	C	3.6 (6.4%)	0 (0%)
	AVG	3.4 (6.2%)	0 (0%)
MAY	W	3.2 (5.8%)	0 (0%)
	AN	3.5 (6.2%)	0.1 (0.2%)
	BN	4.2 (7.3%)	0 (0%)
	D	3.9 (6.6%)	0 (0%)
	C	3.5 (5.8%)	0 (0.1%)
	AVG	3.6 (6.2%)	0 (0%)
JUN	W	2.1 (3.5%)	0 (0.1%)
	AN	4 (6.5%)	0 (0.1%)
	BN	3.5 (5.4%)	-0.2 (-0.3%)
	D	3.4 (5.2%)	-0.6 (-0.8%)
	C	3.3 (5%)	-0.3 (-0.5%)
	AVG	3.1 (4.9%)	-0.2 (-0.3%)
JUL	W	1.9 (2.8%)	0 (0%)
	AN	3.3 (4.8%)	0 (0%)
	BN	3.1 (4.6%)	0 (0%)
	D	3.7 (5.4%)	0.1 (0.1%)
	C	3.5 (5.2%)	0 (0.1%)
	AVG	2.9 (4.4%)	0 (0%)

Alternative 6A: Stanislaus River at Riverbank			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
AUG	W	4.1 (6.4%)	0 (0%)
	AN	3.4 (5.1%)	0 (0%)
	BN	3.2 (4.8%)	0 (0%)
	D	3.3 (4.8%)	0 (0%)
	C	3.8 (5.7%)	0 (0%)
	AVG	3.6 (5.5%)	0 (0%)
SEP	W	3.9 (6.2%)	0 (0%)
	AN	3.9 (5.9%)	0 (0%)
	BN	3.7 (5.7%)	0 (0%)
	D	3.7 (5.6%)	0 (0%)
	C	3.7 (5.7%)	-0.1 (-0.1%)
	AVG	3.8 (5.9%)	0 (0%)
OCT	W	3.1 (5.3%)	0 (0%)
	AN	2.9 (5%)	0 (0%)
	BN	2.9 (4.9%)	0 (0%)
	D	3.1 (5.2%)	0 (0%)
	C	3.3 (5.5%)	0 (0%)
	AVG	3.1 (5.2%)	0 (0%)
NOV	W	3.1 (5.7%)	0 (0%)
	AN	3.1 (5.9%)	0 (0%)
	BN	3.1 (5.8%)	0 (0%)
	D	3.1 (5.8%)	0 (0%)
	C	3 (5.6%)	0 (0%)
	AVG	3.1 (5.8%)	0 (0%)
DEC	W	3.1 (6.5%)	0 (0%)
	AN	2.9 (6.1%)	0 (0%)
	BN	3.3 (7%)	0 (0%)
	D	2.8 (5.9%)	0 (0%)
	C	2.9 (6.2%)	0 (0%)
	AVG	3 (6.3%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.6.21 Stanislaus River at the Confluence with the San Joaquin River

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 6A Model Scenarios in the Stanislaus River at the Confluence with the San Joaquin River, Year-Round

Alternative 6A: Stanislaus River at the Confluence with the San Joaquin River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
JAN	W	46	49	49
	AN	46	49	49
	BN	46	49	49
	D	45	47	47
	C	45	48	48
	AVG	46	48	48
FEB	W	50	53	53
	AN	50	53	53
	BN	50	52	52
	D	50	53	53
	C	51	54	54
	AVG	50	53	53
MAR	W	52	55	55
	AN	53	56	56
	BN	54	57	57
	D	55	58	58
	C	55	58	58
	AVG	54	56	56
APR	W	54	57	57
	AN	55	58	58
	BN	56	60	60
	D	57	60	60
	C	59	62	62
	AVG	56	59	59
MAY	W	59	62	62
	AN	60	63	64
	BN	60	64	64
	D	61	65	65
	C	63	66	66
	AVG	60	64	64
JUN	W	62	65	65
	AN	65	69	69
	BN	66	70	69
	D	68	72	71
	C	68	71	71
	AVG	65	69	69

Alternative 6A: Stanislaus River at the Confluence with the San Joaquin River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A6A_LLT**
JUL	W	68	70	70
	AN	70	73	73
	BN	70	73	73
	D	70	74	74
	C	70	73	73
	AVG	69	72	72
AUG	W	67	71	71
	AN	69	72	72
	BN	68	71	71
	D	69	72	72
	C	69	72	72
	AVG	68	72	72
SEP	W	65	69	69
	AN	67	71	71
	BN	67	70	70
	D	67	70	70
	C	67	70	70
	AVG	66	70	70
OCT	W	60	63	63
	AN	60	62	62
	BN	59	62	62
	D	59	62	62
	C	61	64	64
	AVG	60	63	63
NOV	W	53	56	56
	AN	52	55	55
	BN	52	55	55
	D	52	55	55
	C	53	56	56
	AVG	52	55	55
DEC	W	47	50	50
	AN	46	49	49
	BN	45	49	49
	D	45	48	48
	C	45	48	48
	AVG	46	49	49

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at the Confluence with the San Joaquin River, Year-Round

Alternative 6A: Stanislaus River at the Confluence with the San Joaquin River			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
JAN	W	2.9 (6.3%)	0 (0%)
	AN	2.9 (6.4%)	0 (0%)
	BN	2.8 (6.1%)	0 (0%)
	D	2.5 (5.7%)	0 (0%)
	C	2.8 (6.1%)	0 (0%)
	AVG	2.8 (6.2%)	0 (0%)
FEB	W	2.8 (5.7%)	0 (0%)
	AN	2.8 (5.6%)	0 (0%)
	BN	2.6 (5.2%)	0 (0%)
	D	2.8 (5.6%)	0 (0%)
	C	2.9 (5.6%)	0 (0%)
	AVG	2.8 (5.6%)	0 (0%)
MAR	W	2.8 (5.5%)	0 (0%)
	AN	3.3 (6.3%)	0 (0%)
	BN	2.6 (4.9%)	0 (0%)
	D	3.2 (5.8%)	0 (0%)
	C	2.8 (5.1%)	0 (0%)
	AVG	3 (5.5%)	0 (0%)
APR	W	2.8 (5.2%)	0 (0%)
	AN	3.2 (5.7%)	0.1 (0.1%)
	BN	3.4 (6.1%)	0 (0%)
	D	3.5 (6.1%)	0 (0%)
	C	3.3 (5.5%)	0 (0%)
	AVG	3.2 (5.7%)	0 (0%)
MAY	W	3.1 (5.4%)	0 (0%)
	AN	3.5 (5.8%)	0.1 (0.1%)
	BN	4.1 (6.7%)	0 (0%)
	D	3.7 (6%)	0 (0%)
	C	3.3 (5.2%)	0.1 (0.1%)
	AVG	3.5 (5.7%)	0 (0%)
JUN	W	2.3 (3.7%)	0 (0.1%)
	AN	3.8 (5.8%)	0 (0.1%)
	BN	3.2 (4.9%)	-0.1 (-0.2%)
	D	3.1 (4.6%)	-0.3 (-0.4%)
	C	3 (4.5%)	-0.2 (-0.3%)
	AVG	3 (4.6%)	-0.1 (-0.1%)
JUL	W	2.3 (3.4%)	0 (0%)
	AN	3 (4.2%)	0 (0%)
	BN	2.8 (4.1%)	0 (0%)
	D	3.2 (4.6%)	0 (0%)
	C	3.2 (4.5%)	0 (0%)
	AVG	2.8 (4.1%)	0 (0%)

Alternative 6A: Stanislaus River at the Confluence with the San Joaquin River			
Month	**WYT**	**EXISTING CONDITIONS vs. A6A_LLT**	**NAA vs. A6A_LLT**
AUG	W	4.1 (6.1%)	0 (0%)
	AN	3.2 (4.7%)	0 (0%)
	BN	3.1 (4.5%)	0 (0%)
	D	3.1 (4.5%)	0 (0%)
	C	3.6 (5.2%)	0 (0%)
	AVG	3.5 (5.1%)	0 (0%)
SEP	W	3.9 (6%)	0 (0%)
	AN	3.7 (5.6%)	0 (0%)
	BN	3.7 (5.5%)	0 (0%)
	D	3.6 (5.5%)	0 (0%)
	C	3.5 (5.3%)	-0.1 (-0.2%)
	AVG	3.7 (5.6%)	0 (0%)
OCT	W	3 (5%)	0 (0%)
	AN	2.9 (4.8%)	0 (0%)
	BN	2.7 (4.5%)	0 (0%)
	D	2.9 (4.9%)	0 (0%)
	C	3.2 (5.3%)	0 (0%)
	AVG	3 (4.9%)	0 (0%)
NOV	W	3 (5.8%)	0 (0%)
	AN	3.2 (6%)	0 (0%)
	BN	3.1 (5.9%)	0 (0%)
	D	3.1 (5.9%)	0 (0%)
	C	3 (5.6%)	0 (0%)
	AVG	3.1 (5.8%)	0 (0%)
DEC	W	3.1 (6.6%)	0 (0%)
	AN	2.9 (6.2%)	0 (0%)
	BN	3.2 (7.1%)	0 (0%)
	D	2.8 (6.1%)	0 (0%)
	C	2.9 (6.4%)	0 (0%)
	AVG	3 (6.5%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.7 Alternative 7

11D.7.1 Sacramento River at Keswick

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 7 Model Scenarios in the Sacramento River at Keswick, Year-Round

Alternative 7: Sacramento River at Keswick				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
JAN	W	46	47	47
	AN	46	48	48
	BN	47	48	48
	D	47	48	48
	C	47	48	48
	AVG	46	48	48
FEB	W	45	47	47
	AN	46	47	47
	BN	46	47	47
	D	46	48	48
	C	46	48	48
	AVG	46	47	47
MAR	W	46	47	47
	AN	46	48	48
	BN	47	48	48
	D	47	49	49
	C	48	50	50
	AVG	47	48	48
APR	W	47	49	49
	AN	48	50	50
	BN	48	50	50
	D	48	50	50
	C	49	51	51
	AVG	48	50	50
MAY	W	49	50	50
	AN	49	51	51
	BN	49	51	51
	D	49	51	51
	C	51	53	53
	AVG	49	51	51
JUN	W	50	51	50
	AN	50	51	51
	BN	50	51	51
	D	50	52	52
	C	53	55	55
	AVG	50	52	52

Alternative 7: Sacramento River at Keswick				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
JUL	W	51	52	52
	AN	51	52	52
	BN	51	52	52
	D	51	54	54
	C	54	59	59
	AVG	51	53	53
AUG	W	52	54	54
	AN	52	54	55
	BN	52	54	55
	D	53	56	56
	C	57	64	65
	AVG	53	56	56
SEP	W	53	55	55
	AN	54	56	56
	BN	54	56	57
	D	55	59	59
	C	60	66	66
	AVG	55	58	58
OCT	W	54	57	57
	AN	54	57	57
	BN	54	57	58
	D	55	58	59
	C	56	60	60
	AVG	54	58	58
NOV	W	53	55	55
	AN	52	55	55
	BN	53	55	55
	D	53	56	56
	C	54	56	56
	AVG	53	55	55
DEC	W	49	50	50
	AN	49	51	51
	BN	50	52	52
	D	50	52	52
	C	51	52	52
	AVG	50	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Keswick, Year-Round

Alternative 7: Sacramento River at Keswick			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
JAN	W	1.3 (2.9%)	0 (0%)
	AN	1.5 (3.2%)	0 (0.1%)
	BN	1.6 (3.5%)	-0.1 (-0.1%)
	D	1.5 (3.3%)	-0.1 (-0.1%)
	C	1.6 (3.4%)	-0.2 (-0.5%)
	AVG	1.5 (3.2%)	-0.1 (-0.1%)
FEB	W	1.5 (3.4%)	0 (0%)
	AN	1.7 (3.7%)	0.1 (0.2%)
	BN	1.5 (3.3%)	0 (-0.1%)
	D	1.7 (3.6%)	-0.1 (-0.1%)
	C	1.6 (3.5%)	-0.2 (-0.3%)
	AVG	1.6 (3.5%)	0 (-0.1%)
MAR	W	1.5 (3.3%)	0 (0%)
	AN	1.7 (3.7%)	0.1 (0.2%)
	BN	1.7 (3.6%)	0.1 (0.2%)
	D	1.6 (3.5%)	0 (-0.1%)
	C	1.9 (4%)	0 (0%)
	AVG	1.6 (3.5%)	0 (0.1%)
APR	W	1.7 (3.6%)	0 (0.1%)
	AN	1.7 (3.6%)	0 (0.1%)
	BN	1.6 (3.4%)	0.3 (0.5%)
	D	1.6 (3.3%)	0.1 (0.1%)
	C	2.1 (4.3%)	0 (0%)
	AVG	1.7 (3.6%)	0.1 (0.2%)
MAY	W	1.7 (3.5%)	0 (-0.1%)
	AN	1.4 (2.8%)	0.1 (0.1%)
	BN	1.7 (3.3%)	0.3 (0.6%)
	D	1.6 (3.3%)	0.1 (0.2%)
	C	2.2 (4.3%)	0.2 (0.3%)
	AVG	1.7 (3.4%)	0.1 (0.2%)
JUN	W	0.8 (1.6%)	-0.2 (-0.3%)
	AN	1.2 (2.3%)	-0.1 (-0.1%)
	BN	1.3 (2.5%)	0 (0.1%)
	D	2 (3.9%)	0.1 (0.1%)
	C	2.3 (4.5%)	0.2 (0.4%)
	AVG	1.4 (2.8%)	0 (0%)
JUL	W	1 (2.1%)	0.1 (0.2%)
	AN	1.5 (2.9%)	0.1 (0.2%)
	BN	1.2 (2.4%)	-0.1 (-0.2%)
	D	2.4 (4.6%)	0 (0%)
	C	5.2 (9.7%)	0.1 (0.1%)
	AVG	2 (4%)	0 (0.1%)

Alternative 7: Sacramento River at Keswick			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
AUG	W	2.1 (4.1%)	0.2 (0.3%)
	AN	2.2 (4.3%)	0.4 (0.7%)
	BN	2.7 (5.3%)	0.4 (0.7%)
	D	3.5 (6.6%)	0.5 (0.9%)
	C	8.3 (14.7%)	0.8 (1.2%)
	AVG	3.4 (6.5%)	0.4 (0.7%)
SEP	W	1.9 (3.6%)	0.3 (0.5%)
	AN	2.4 (4.5%)	0.2 (0.3%)
	BN	3.6 (6.8%)	1 (1.7%)
	D	4.7 (8.5%)	0.2 (0.4%)
	C	6.2 (10.3%)	0.3 (0.4%)
	AVG	3.5 (6.4%)	0.4 (0.6%)
OCT	W	3.1 (5.8%)	0.1 (0.1%)
	AN	2.8 (5.2%)	0 (0%)
	BN	3.4 (6.3%)	0.4 (0.6%)
	D	3.6 (6.6%)	0.1 (0.1%)
	C	3.8 (6.8%)	0.1 (0.1%)
	AVG	3.3 (6.1%)	0.1 (0.2%)
NOV	W	2.3 (4.4%)	0.1 (0.2%)
	AN	2.3 (4.4%)	0.1 (0.2%)
	BN	2.4 (4.6%)	0 (0%)
	D	2.4 (4.5%)	0 (0.1%)
	C	2.3 (4.3%)	-0.2 (-0.3%)
	AVG	2.4 (4.5%)	0 (0%)
DEC	W	1.2 (2.5%)	0 (0%)
	AN	1.6 (3.2%)	-0.2 (-0.3%)
	BN	1.9 (3.8%)	-0.1 (-0.3%)
	D	1.8 (3.6%)	-0.1 (-0.3%)
	C	1.7 (3.4%)	-0.2 (-0.4%)
	AVG	1.6 (3.2%)	-0.1 (-0.2%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.7.2 Sacramento River at Jelly's Ferry

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 7 Model Scenarios in the Sacramento River at Jelly's Ferry, Year-Round

Alternative 7: Sacramento River at Jelly's Ferry				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
JAN	W	45	47	47
	AN	45	47	47
	BN	45	46	46
	D	45	47	47
	C	45	47	47
	AVG	45	47	47
FEB	W	46	47	47
	AN	46	48	48
	BN	46	48	47
	D	46	48	48
	C	47	49	49
	AVG	46	48	48
MAR	W	48	49	50
	AN	49	51	51
	BN	49	51	51
	D	50	51	51
	C	50	52	52
	AVG	49	51	51
APR	W	51	53	53
	AN	53	55	55
	BN	53	54	55
	D	52	54	54
	C	52	54	54
	AVG	52	54	54
MAY	W	54	57	57
	AN	55	57	56
	BN	54	57	57
	D	54	56	56
	C	55	57	57
	AVG	54	57	57
JUN	W	55	56	56
	AN	55	56	56
	BN	54	56	56
	D	54	56	57
	C	56	58	58
	AVG	55	56	56
JUL	W	56	57	57
	AN	55	56	56
	BN	55	56	56
	D	55	57	57
	C	57	62	62
	AVG	55	57	57

Alternative 7: Sacramento River at Jelly's Ferry				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
AUG	W	56	59	59
	AN	56	58	59
	BN	56	58	58
	D	56	59	60
	C	59	67	67
	AVG	57	60	60
SEP	W	56	57	58
	AN	57	59	59
	BN	57	60	61
	D	58	63	63
	C	61	67	67
	AVG	58	61	61
OCT	W	54	57	57
	AN	54	57	57
	BN	55	57	58
	D	55	58	58
	C	56	60	60
	AVG	55	58	58
NOV	W	51	53	53
	AN	51	53	53
	BN	51	54	54
	D	51	54	54
	C	52	55	54
	AVG	51	53	53
DEC	W	47	48	48
	AN	47	48	48
	BN	47	49	49
	D	47	49	48
	C	47	49	49
	AVG	47	48	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Jelly's Ferry, Year-Round

Alternative 7: Sacramento River at Jelly's Ferry			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
JAN	W	1.5 (3.2%)	0 (0.1%)
	AN	1.5 (3.4%)	0 (0%)
	BN	1.7 (3.8%)	0 (0%)
	D	1.7 (3.8%)	-0.1 (-0.3%)
	C	1.9 (4.2%)	-0.3 (-0.6%)
	AVG	1.6 (3.6%)	-0.1 (-0.1%)
FEB	W	1.6 (3.4%)	0 (0%)
	AN	1.6 (3.5%)	0 (0.1%)
	BN	1.6 (3.5%)	0 (-0.1%)
	D	1.8 (4%)	0 (0%)
	C	1.8 (3.8%)	-0.2 (-0.4%)
	AVG	1.7 (3.6%)	0 (-0.1%)
MAR	W	1.5 (3%)	0 (0%)
	AN	1.6 (3.2%)	0 (0.1%)
	BN	1.8 (3.7%)	0.1 (0.3%)
	D	1.6 (3.3%)	0 (-0.1%)
	C	1.8 (3.7%)	0 (0.1%)
	AVG	1.6 (3.3%)	0 (0.1%)
APR	W	1.8 (3.5%)	0 (0.1%)
	AN	1.8 (3.4%)	-0.1 (-0.2%)
	BN	2 (3.9%)	0.3 (0.5%)
	D	2 (3.8%)	0.1 (0.3%)
	C	2.1 (4.1%)	0.1 (0.2%)
	AVG	1.9 (3.7%)	0.1 (0.2%)
MAY	W	2.8 (5.1%)	-0.1 (-0.3%)
	AN	1.5 (2.7%)	-0.2 (-0.3%)
	BN	2.4 (4.4%)	0.3 (0.5%)
	D	1.9 (3.6%)	0.1 (0.2%)
	C	1.9 (3.4%)	-0.1 (-0.1%)
	AVG	2.2 (4.1%)	0 (0%)
JUN	W	0.9 (1.7%)	-0.5 (-0.8%)
	AN	1.2 (2.1%)	-0.2 (-0.3%)
	BN	1.7 (3.1%)	0.1 (0.1%)
	D	2.1 (3.8%)	0.1 (0.2%)
	C	2.2 (3.9%)	0.2 (0.3%)
	AVG	1.5 (2.8%)	-0.1 (-0.2%)
JUL	W	1 (1.8%)	0 (0.1%)
	AN	1.4 (2.6%)	0 (0%)
	BN	1.4 (2.6%)	-0.3 (-0.5%)
	D	2.3 (4.1%)	-0.1 (-0.2%)
	C	5.1 (8.9%)	0.1 (0.1%)
	AVG	2 (3.6%)	-0.1 (-0.1%)

Alternative 7: Sacramento River at Jelly's Ferry			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
AUG	W	2.7 (4.8%)	0.2 (0.3%)
	AN	2.4 (4.2%)	0.5 (0.8%)
	BN	2.9 (5.2%)	0.2 (0.4%)
	D	3.5 (6.2%)	0.4 (0.7%)
	C	7.7 (13%)	0.6 (0.8%)
	AVG	3.6 (6.3%)	0.3 (0.6%)
SEP	W	1.4 (2.5%)	0.2 (0.3%)
	AN	1.7 (2.9%)	0.4 (0.6%)
	BN	4.1 (7.2%)	1.2 (2%)
	D	4.9 (8.5%)	0 (0.1%)
	C	5.6 (9%)	0.2 (0.4%)
	AVG	3.3 (5.7%)	0.4 (0.6%)
OCT	W	2.9 (5.3%)	0 (0%)
	AN	2.6 (4.8%)	0 (0%)
	BN	3.2 (5.9%)	0.3 (0.5%)
	D	3.2 (5.7%)	0 (0%)
	C	3.5 (6.1%)	0.1 (0.1%)
	AVG	3 (5.5%)	0.1 (0.1%)
NOV	W	2.2 (4.4%)	-0.1 (-0.1%)
	AN	2.2 (4.3%)	0 (-0.1%)
	BN	2.4 (4.7%)	-0.1 (-0.2%)
	D	2.3 (4.5%)	0 (0.1%)
	C	2.3 (4.4%)	-0.1 (-0.2%)
	AVG	2.3 (4.5%)	0 (-0.1%)
DEC	W	1.2 (2.5%)	0 (0%)
	AN	1.6 (3.4%)	-0.2 (-0.5%)
	BN	1.8 (3.8%)	-0.1 (-0.2%)
	D	1.7 (3.7%)	-0.2 (-0.4%)
	C	1.8 (3.9%)	-0.1 (-0.2%)
	AVG	1.6 (3.3%)	-0.1 (-0.2%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.7.3 Sacramento River at Bend Bridge

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 7 Model Scenarios in the Sacramento River at Bend Bridge, Year-Round

Alternative 7: Sacramento River at Bend Bridge				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
JAN	W	45	47	47
	AN	45	47	47
	BN	45	46	46
	D	45	47	46
	C	45	47	47
	AVG	45	47	47
FEB	W	46	47	47
	AN	46	48	48
	BN	46	48	47
	D	46	48	48
	C	47	49	49
	AVG	46	48	48
MAR	W	48	50	50
	AN	49	51	51
	BN	49	51	51
	D	50	52	52
	C	50	52	52
	AVG	49	51	51
APR	W	51	53	53
	AN	53	55	55
	BN	53	55	55
	D	53	55	55
	C	52	54	55
	AVG	52	54	54
MAY	W	54	57	57
	AN	55	57	57
	BN	55	57	57
	D	55	56	57
	C	55	57	57
	AVG	55	57	57
JUN	W	56	57	57
	AN	55	57	56
	BN	55	57	57
	D	55	57	57
	C	57	59	59
	AVG	55	57	57
JUL	W	56	57	57
	AN	55	57	57
	BN	55	57	57
	D	56	58	58
	C	58	63	63
	AVG	56	58	58

Alternative 7: Sacramento River at Bend Bridge				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
AUG	W	57	59	59
	AN	57	59	59
	BN	56	59	59
	D	57	60	61
	C	60	67	68
	AVG	57	60	61
SEP	W	57	58	58
	AN	58	59	59
	BN	58	60	62
	D	58	63	63
	C	62	67	67
	AVG	58	61	61
OCT	W	54	57	57
	AN	55	57	57
	BN	55	58	58
	D	55	58	58
	C	56	60	60
	AVG	55	58	58
NOV	W	51	53	53
	AN	51	53	53
	BN	51	53	53
	D	51	54	54
	C	52	54	54
	AVG	51	53	53
DEC	W	47	48	48
	AN	46	48	48
	BN	47	49	48
	D	46	48	48
	C	47	49	49
	AVG	47	48	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Bend Bridge, Year-Round

Alternative 7: Sacramento River at Bend Bridge			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
JAN	W	1.5 (3.3%)	0 (0.1%)
	AN	1.6 (3.5%)	0 (0%)
	BN	1.7 (3.9%)	0 (0%)
	D	1.8 (3.9%)	-0.1 (-0.3%)
	C	1.9 (4.3%)	-0.3 (-0.6%)
	AVG	1.7 (3.7%)	-0.1 (-0.1%)
FEB	W	1.6 (3.5%)	0 (0%)
	AN	1.7 (3.6%)	0 (0.1%)
	BN	1.7 (3.6%)	0 (-0.1%)
	D	1.9 (4.1%)	0 (0%)
	C	1.8 (3.9%)	-0.2 (-0.4%)
	AVG	1.7 (3.7%)	0 (-0.1%)
MAR	W	1.5 (3.1%)	0 (0%)
	AN	1.6 (3.3%)	0 (0.1%)
	BN	1.8 (3.7%)	0.1 (0.2%)
	D	1.6 (3.3%)	0 (-0.1%)
	C	1.9 (3.7%)	0 (0.1%)
	AVG	1.6 (3.4%)	0 (0.1%)
APR	W	1.8 (3.5%)	0 (0.1%)
	AN	1.8 (3.5%)	-0.1 (-0.2%)
	BN	2.1 (3.9%)	0.3 (0.5%)
	D	2 (3.8%)	0.1 (0.3%)
	C	2.2 (4.1%)	0.1 (0.2%)
	AVG	2 (3.7%)	0.1 (0.2%)
MAY	W	2.8 (5.2%)	-0.1 (-0.3%)
	AN	1.5 (2.8%)	-0.2 (-0.3%)
	BN	2.4 (4.4%)	0.2 (0.4%)
	D	2 (3.6%)	0.1 (0.2%)
	C	1.9 (3.4%)	-0.1 (-0.1%)
	AVG	2.2 (4.1%)	0 (0%)
JUN	W	1 (1.8%)	-0.5 (-0.8%)
	AN	1.2 (2.2%)	-0.2 (-0.3%)
	BN	1.7 (3.1%)	0.1 (0.1%)
	D	2.1 (3.8%)	0.1 (0.2%)
	C	2.2 (3.9%)	0.2 (0.3%)
	AVG	1.6 (2.8%)	-0.1 (-0.2%)
JUL	W	1 (1.8%)	0 (0.1%)
	AN	1.4 (2.6%)	0 (0%)
	BN	1.4 (2.6%)	-0.3 (-0.5%)
	D	2.3 (4.1%)	-0.1 (-0.3%)
	C	5.1 (8.7%)	0.1 (0.1%)
	AVG	2 (3.6%)	-0.1 (-0.1%)

Alternative 7: Sacramento River at Bend Bridge			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
AUG	W	2.8 (4.9%)	0.2 (0.3%)
	AN	2.4 (4.2%)	0.5 (0.8%)
	BN	2.9 (5.2%)	0.2 (0.4%)
	D	3.5 (6.2%)	0.4 (0.7%)
	C	7.6 (12.7%)	0.5 (0.8%)
	AVG	3.6 (6.3%)	0.3 (0.5%)
SEP	W	1.4 (2.5%)	0.2 (0.3%)
	AN	1.6 (2.8%)	0.4 (0.7%)
	BN	4.1 (7.2%)	1.2 (2%)
	D	4.9 (8.5%)	0 (0%)
	C	5.5 (8.9%)	0.2 (0.3%)
	AVG	3.3 (5.6%)	0.4 (0.6%)
OCT	W	2.9 (5.3%)	0 (0%)
	AN	2.6 (4.8%)	0 (0%)
	BN	3.2 (5.9%)	0.3 (0.5%)
	D	3.1 (5.7%)	0 (0%)
	C	3.4 (6.1%)	0.1 (0.1%)
	AVG	3 (5.5%)	0.1 (0.1%)
NOV	W	2.2 (4.4%)	-0.1 (-0.1%)
	AN	2.2 (4.3%)	0 (-0.1%)
	BN	2.4 (4.8%)	-0.1 (-0.2%)
	D	2.3 (4.6%)	0 (0.1%)
	C	2.3 (4.5%)	-0.1 (-0.1%)
	AVG	2.3 (4.5%)	-0.1 (-0.1%)
DEC	W	1.2 (2.5%)	0 (0%)
	AN	1.6 (3.5%)	-0.2 (-0.5%)
	BN	1.8 (3.9%)	-0.1 (-0.2%)
	D	1.8 (3.8%)	-0.2 (-0.4%)
	C	1.9 (4%)	-0.1 (-0.2%)
	AVG	1.6 (3.4%)	-0.1 (-0.2%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.7.4 Sacramento River at Red Bluff Diversion Dam

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 7 Model Scenarios in the Sacramento River at Red Bluff Diversion Dam, Year-Round

Alternative 7: Sacramento River at Red Bluff Diversion Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
JAN	W	45	46	47
	AN	45	47	47
	BN	44	46	46
	D	44	46	46
	C	44	47	46
	AVG	45	46	46
FEB	W	46	47	48
	AN	46	48	48
	BN	46	48	48
	D	46	48	48
	C	47	49	49
	AVG	46	48	48
MAR	W	48	50	50
	AN	49	51	51
	BN	49	51	51
	D	50	52	52
	C	51	53	53
	AVG	49	51	51
APR	W	52	54	54
	AN	53	55	55
	BN	54	55	56
	D	54	55	56
	C	53	55	55
	AVG	53	55	55
MAY	W	55	58	58
	AN	56	58	58
	BN	56	58	59
	D	56	58	58
	C	57	59	58
	AVG	56	58	58
JUN	W	57	59	58
	AN	57	58	58
	BN	57	58	58
	D	57	59	59
	C	58	60	60
	AVG	57	59	59
JUL	W	58	59	59
	AN	57	59	58
	BN	57	59	59
	D	57	60	60
	C	60	64	65
	AVG	58	60	60

Alternative 7: Sacramento River at Red Bluff Diversion Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
AUG	W	58	61	61
	AN	59	61	61
	BN	58	61	61
	D	59	62	62
	C	61	68	69
	AVG	59	62	62
SEP	W	58	59	59
	AN	59	60	61
	BN	59	62	63
	D	59	64	64
	C	63	68	68
	AVG	59	62	62
OCT	W	55	57	57
	AN	55	57	57
	BN	55	58	58
	D	55	59	59
	C	56	60	60
	AVG	55	58	58
NOV	W	50	53	53
	AN	50	53	53
	BN	51	53	53
	D	51	53	53
	C	52	54	54
	AVG	51	53	53
DEC	W	46	48	48
	AN	46	48	48
	BN	46	48	48
	D	46	48	48
	C	46	48	48
	AVG	46	48	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Red Bluff Diversion Dam, Year-Round

Alternative 7: Sacramento River at Red Bluff Diversion Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
JAN	W	1.5 (3.4%)	0 (0.1%)
	AN	1.6 (3.6%)	0 (0%)
	BN	1.8 (4%)	0 (0%)
	D	1.8 (4.1%)	-0.1 (-0.3%)
	C	2 (4.5%)	-0.3 (-0.6%)
	AVG	1.7 (3.9%)	-0.1 (-0.1%)
FEB	W	1.6 (3.5%)	0 (0%)
	AN	1.7 (3.7%)	0 (0.1%)
	BN	1.7 (3.7%)	0 (-0.1%)
	D	1.9 (4.2%)	0 (0%)
	C	1.9 (4%)	-0.2 (-0.4%)
	AVG	1.8 (3.8%)	0 (-0.1%)
MAR	W	1.5 (3.1%)	0 (0%)
	AN	1.6 (3.3%)	0 (0.1%)
	BN	1.9 (3.8%)	0.1 (0.2%)
	D	1.7 (3.4%)	0 (-0.1%)
	C	1.9 (3.8%)	0 (0.1%)
	AVG	1.7 (3.4%)	0 (0%)
APR	W	1.8 (3.6%)	0 (0.1%)
	AN	1.9 (3.5%)	-0.1 (-0.2%)
	BN	2.1 (4%)	0.3 (0.5%)
	D	2.1 (3.9%)	0.1 (0.3%)
	C	2.2 (4.1%)	0.1 (0.2%)
	AVG	2 (3.8%)	0.1 (0.2%)
MAY	W	2.9 (5.3%)	-0.2 (-0.3%)
	AN	1.6 (2.8%)	-0.2 (-0.4%)
	BN	2.5 (4.5%)	0.2 (0.4%)
	D	2.1 (3.7%)	0.1 (0.3%)
	C	1.9 (3.3%)	-0.1 (-0.2%)
	AVG	2.3 (4.1%)	0 (0%)
JUN	W	1.1 (2%)	-0.5 (-0.9%)
	AN	1.3 (2.3%)	-0.2 (-0.4%)
	BN	1.9 (3.3%)	0.1 (0.1%)
	D	2.2 (3.9%)	0.2 (0.3%)
	C	2.2 (3.7%)	0.1 (0.2%)
	AVG	1.7 (2.9%)	-0.1 (-0.2%)
JUL	W	1.1 (1.9%)	0 (0%)
	AN	1.5 (2.6%)	-0.1 (-0.1%)
	BN	1.5 (2.7%)	-0.3 (-0.5%)
	D	2.3 (4%)	-0.2 (-0.3%)
	C	4.9 (8.3%)	0.1 (0.1%)
	AVG	2.1 (3.5%)	-0.1 (-0.1%)

Alternative 7: Sacramento River at Red Bluff Diversion Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
AUG	W	2.9 (5.1%)	0.2 (0.3%)
	AN	2.5 (4.3%)	0.5 (0.8%)
	BN	2.9 (5.1%)	0.2 (0.3%)
	D	3.5 (6%)	0.4 (0.7%)
	C	7.4 (12.1%)	0.4 (0.6%)
	AVG	3.7 (6.2%)	0.3 (0.5%)
SEP	W	1.3 (2.3%)	0.1 (0.2%)
	AN	1.5 (2.6%)	0.4 (0.7%)
	BN	4.3 (7.3%)	1.2 (2%)
	D	5 (8.4%)	0 (0%)
	C	5.5 (8.7%)	0.2 (0.3%)
	AVG	3.3 (5.5%)	0.4 (0.6%)
OCT	W	2.8 (5.2%)	0 (0%)
	AN	2.6 (4.8%)	0 (0%)
	BN	3.2 (5.8%)	0.3 (0.5%)
	D	3.1 (5.5%)	0 (0%)
	C	3.4 (6%)	0.1 (0.1%)
	AVG	3 (5.4%)	0.1 (0.1%)
NOV	W	2.3 (4.5%)	-0.1 (-0.2%)
	AN	2.3 (4.5%)	-0.1 (-0.1%)
	BN	2.5 (4.9%)	-0.1 (-0.2%)
	D	2.4 (4.7%)	0 (0.1%)
	C	2.4 (4.6%)	-0.1 (-0.1%)
	AVG	2.4 (4.6%)	-0.1 (-0.1%)
DEC	W	1.2 (2.7%)	0 (0%)
	AN	1.7 (3.7%)	-0.2 (-0.4%)
	BN	1.9 (4.1%)	-0.1 (-0.2%)
	D	1.8 (4%)	-0.2 (-0.4%)
	C	2 (4.2%)	-0.1 (-0.2%)
	AVG	1.7 (3.6%)	-0.1 (-0.2%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.7.5 Sacramento River at Hamilton City

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 7 Model Scenarios in the Sacramento River at Hamilton City, Year-Round

Alternative 7: Sacramento River at Hamilton City				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
JAN	W	45	47	47
	AN	45	47	47
	BN	44	46	46
	D	44	46	46
	C	44	47	47
	AVG	45	47	47
FEB	W	46	48	48
	AN	47	48	48
	BN	46	48	48
	D	47	49	49
	C	48	50	50
	AVG	47	49	49
MAR	W	49	51	51
	AN	51	52	52
	BN	51	53	53
	D	52	54	53
	C	52	54	54
	AVG	51	52	53
APR	W	54	55	56
	AN	55	57	57
	BN	56	58	58
	D	56	58	58
	C	56	58	58
	AVG	55	57	57
MAY	W	58	62	61
	AN	60	62	61
	BN	59	62	62
	D	59	61	61
	C	60	62	62
	AVG	59	62	61
JUN	W	61	63	62
	AN	61	62	62
	BN	60	62	62
	D	60	63	63
	C	61	63	63
	AVG	61	63	62
JUL	W	62	63	63
	AN	61	63	62
	BN	61	63	63
	D	61	64	63
	C	63	68	68
	AVG	62	64	64

Alternative 7: Sacramento River at Hamilton City				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
AUG	W	62	65	65
	AN	62	64	65
	BN	62	65	65
	D	62	65	66
	C	65	71	72
	AVG	62	66	66
SEP	W	60	61	61
	AN	62	63	63
	BN	62	65	66
	D	62	67	67
	C	64	69	69
	AVG	62	65	65
OCT	W	55	58	58
	AN	56	58	58
	BN	56	59	59
	D	56	59	59
	C	57	60	60
	AVG	56	59	59
NOV	W	50	53	52
	AN	50	53	53
	BN	50	53	53
	D	51	53	53
	C	52	54	54
	AVG	51	53	53
DEC	W	46	47	47
	AN	46	48	47
	BN	45	48	47
	D	45	48	48
	C	45	48	47
	AVG	46	47	47

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Hamilton City, Year-Round

Alternative 7: Sacramento River at Hamilton City			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
JAN	W	1.6 (3.6%)	0 (0%)
	AN	1.8 (3.9%)	0 (0%)
	BN	1.9 (4.4%)	0 (0%)
	D	2.1 (4.6%)	-0.1 (-0.2%)
	C	2.2 (5%)	-0.2 (-0.5%)
	AVG	1.9 (4.2%)	-0.1 (-0.1%)
FEB	W	1.7 (3.6%)	0 (0%)
	AN	1.8 (3.8%)	0 (0.1%)
	BN	1.8 (3.9%)	-0.1 (-0.1%)
	D	2.1 (4.4%)	0 (0%)
	C	2 (4.2%)	-0.2 (-0.5%)
	AVG	1.9 (4%)	0 (-0.1%)
MAR	W	1.5 (3.1%)	0 (0%)
	AN	1.7 (3.3%)	0 (0%)
	BN	2 (3.9%)	0.1 (0.2%)
	D	1.8 (3.4%)	0 (-0.1%)
	C	2 (3.8%)	0.1 (0.1%)
	AVG	1.7 (3.4%)	0 (0%)
APR	W	1.9 (3.5%)	0 (0.1%)
	AN	2 (3.6%)	-0.1 (-0.2%)
	BN	2.3 (4.1%)	0.3 (0.4%)
	D	2.2 (3.9%)	0.1 (0.3%)
	C	2.2 (4%)	0.2 (0.3%)
	AVG	2.1 (3.8%)	0.1 (0.2%)
MAY	W	3.1 (5.3%)	-0.2 (-0.3%)
	AN	1.7 (2.8%)	-0.3 (-0.5%)
	BN	2.7 (4.6%)	0.2 (0.3%)
	D	2.2 (3.7%)	0.2 (0.3%)
	C	1.8 (3.1%)	-0.2 (-0.3%)
	AVG	2.4 (4.1%)	-0.1 (-0.1%)
JUN	W	1.3 (2.1%)	-0.6 (-1%)
	AN	1.4 (2.3%)	-0.3 (-0.5%)
	BN	2.1 (3.4%)	0 (0%)
	D	2.3 (3.9%)	0.2 (0.3%)
	C	2.2 (3.6%)	0.1 (0.2%)
	AVG	1.8 (3%)	-0.2 (-0.3%)
JUL	W	1.2 (2%)	-0.1 (-0.1%)
	AN	1.5 (2.5%)	-0.1 (-0.2%)
	BN	1.6 (2.7%)	-0.4 (-0.7%)
	D	2.2 (3.6%)	-0.3 (-0.4%)
	C	4.8 (7.7%)	0 (0.1%)
	AVG	2.1 (3.4%)	-0.2 (-0.3%)

Alternative 7: Sacramento River at Hamilton City			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
AUG	W	3.4 (5.4%)	0.1 (0.2%)
	AN	2.6 (4.2%)	0.5 (0.8%)
	BN	3 (4.9%)	0 (0.1%)
	D	3.6 (5.7%)	0.4 (0.6%)
	C	6.9 (10.7%)	0.3 (0.4%)
	AVG	3.8 (6%)	0.2 (0.4%)
SEP	W	1.2 (1.9%)	0.1 (0.1%)
	AN	1.3 (2.1%)	0.5 (0.8%)
	BN	4.4 (7.2%)	1.2 (1.9%)
	D	5 (8.1%)	-0.1 (-0.1%)
	C	5.2 (8%)	0.2 (0.3%)
	AVG	3.2 (5.1%)	0.3 (0.5%)
OCT	W	2.7 (4.9%)	0 (0%)
	AN	2.6 (4.7%)	0 (0%)
	BN	3.1 (5.6%)	0.3 (0.4%)
	D	2.9 (5.1%)	-0.1 (-0.1%)
	C	3.3 (5.8%)	0.1 (0.1%)
	AVG	2.9 (5.2%)	0 (0.1%)
NOV	W	2.3 (4.7%)	-0.1 (-0.1%)
	AN	2.4 (4.7%)	0 (-0.1%)
	BN	2.6 (5.1%)	-0.1 (-0.1%)
	D	2.5 (4.8%)	0 (0.1%)
	C	2.5 (4.9%)	-0.1 (-0.1%)
	AVG	2.4 (4.8%)	0 (-0.1%)
DEC	W	1.4 (3.1%)	0 (0%)
	AN	1.9 (4.1%)	-0.2 (-0.3%)
	BN	2 (4.5%)	-0.1 (-0.2%)
	D	2 (4.4%)	-0.1 (-0.3%)
	C	2.2 (4.8%)	-0.1 (-0.1%)
	AVG	1.8 (4%)	-0.1 (-0.2%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.7.6 Trinity River below Lewiston Reservoir

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 7 Model Scenarios in the Trinity River below Lewiston Reservoir, Year-Round

Alternative 7: Trinity River below Lewiston Reservoir				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
JAN	W	41	43	43
	AN	38	41	41
	BN	39	41	41
	D	39	41	41
	C	39	42	42
	AVG	39	42	42
FEB	W	43	45	45
	AN	43	45	45
	BN	42	44	44
	D	42	45	45
	C	43	45	45
	AVG	43	45	45
MAR	W	46	48	48
	AN	47	49	49
	BN	47	48	49
	D	48	50	50
	C	48	50	50
	AVG	47	49	49
APR	W	49	51	50
	AN	50	52	52
	BN	51	53	53
	D	51	53	53
	C	50	52	52
	AVG	50	52	52
MAY	W	46	48	48
	AN	46	48	48
	BN	46	49	49
	D	47	49	49
	C	49	52	52
	AVG	47	49	49
JUN	W	48	51	51
	AN	51	52	52
	BN	52	53	53
	D	52	54	55
	C	56	59	59
	AVG	51	53	53
JUL	W	51	55	54
	AN	52	54	53
	BN	52	55	55
	D	51	54	54
	C	53	60	60
	AVG	51	55	55

Alternative 7: Trinity River below Lewiston Reservoir				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
AUG	W	52	54	54
	AN	51	53	53
	BN	52	55	55
	D	50	54	54
	C	54	63	65
	AVG	52	56	56
SEP	W	49	51	51
	AN	50	51	52
	BN	51	55	55
	D	50	56	56
	C	57	62	63
	AVG	51	54	54
OCT	W	48	51	51
	AN	49	52	52
	BN	50	53	53
	D	50	52	52
	C	51	56	55
	AVG	49	52	52
NOV	W	44	47	47
	AN	45	47	47
	BN	45	47	47
	D	44	47	47
	C	46	48	48
	AVG	45	47	47
DEC	W	41	43	43
	AN	39	43	43
	BN	40	42	42
	D	40	42	42
	C	39	41	41
	AVG	40	42	42

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River below Lewiston Reservoir, Year-Round

Alternative 7: Trinity River below Lewiston Reservoir			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
JAN	W	2 (5%)	0 (0%)
	AN	2.4 (6.3%)	0 (0%)
	BN	2 (5.1%)	-0.1 (-0.2%)
	D	2.5 (6.4%)	-0.2 (-0.6%)
	C	2.2 (5.6%)	-0.1 (-0.3%)
	AVG	2.2 (5.6%)	-0.1 (-0.2%)
FEB	W	2.4 (5.5%)	0 (-0.1%)
	AN	2.2 (5.2%)	0 (-0.1%)
	BN	2.2 (5.1%)	0 (0%)
	D	2.3 (5.4%)	0 (0%)
	C	2.2 (5%)	0 (-0.1%)
	AVG	2.3 (5.3%)	0 (0%)
MAR	W	1.8 (4%)	-0.2 (-0.3%)
	AN	1.6 (3.5%)	-0.1 (-0.1%)
	BN	2 (4.3%)	0.2 (0.4%)
	D	1.5 (3.1%)	0 (0%)
	C	1.9 (4%)	-0.2 (-0.4%)
	AVG	1.8 (3.8%)	-0.1 (-0.1%)
APR	W	1.3 (2.7%)	-0.2 (-0.4%)
	AN	2.2 (4.4%)	0.2 (0.4%)
	BN	2.7 (5.2%)	0.1 (0.3%)
	D	2.3 (4.4%)	0 (0%)
	C	2.3 (4.6%)	0.2 (0.3%)
	AVG	2 (4%)	0 (0%)
MAY	W	2.4 (5.3%)	0 (0%)
	AN	2.3 (5%)	0 (0%)
	BN	2.2 (4.7%)	0 (0%)
	D	2.6 (5.5%)	0 (0%)
	C	3.1 (6.4%)	0 (0%)
	AVG	2.5 (5.4%)	0 (0%)
JUN	W	2.3 (4.8%)	0.1 (0.1%)
	AN	1.1 (2.2%)	0 (0%)
	BN	1.8 (3.5%)	0 (-0.1%)
	D	2.6 (4.9%)	0.3 (0.5%)
	C	3.3 (5.9%)	-0.4 (-0.8%)
	AVG	2.3 (4.4%)	0 (0%)
JUL	W	3.3 (6.5%)	-0.5 (-0.9%)
	AN	1.7 (3.2%)	-0.3 (-0.6%)
	BN	3.1 (6%)	-0.1 (-0.2%)
	D	2.9 (5.8%)	0.3 (0.5%)
	C	7.5 (14.2%)	0.6 (1%)
	AVG	3.6 (7%)	-0.1 (-0.1%)

Alternative 7: Trinity River below Lewiston Reservoir			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
AUG	W	1.7 (3.3%)	-0.4 (-0.7%)
	AN	1.8 (3.5%)	-0.5 (-0.9%)
	BN	2.8 (5.3%)	-0.2 (-0.3%)
	D	4.3 (8.7%)	0.3 (0.5%)
	C	10.8 (20%)	1.3 (2.1%)
	AVG	3.8 (7.4%)	0.1 (0.1%)
SEP	W	1.8 (3.6%)	-0.2 (-0.3%)
	AN	2.1 (4.2%)	0.4 (0.7%)
	BN	3.4 (6.7%)	-0.1 (-0.1%)
	D	5.9 (11.7%)	0 (0%)
	C	6 (10.7%)	0.4 (0.6%)
	AVG	3.6 (7.2%)	0 (0.1%)
OCT	W	2.8 (5.9%)	-0.4 (-0.8%)
	AN	2.2 (4.5%)	-0.2 (-0.3%)
	BN	2.7 (5.4%)	-0.2 (-0.3%)
	D	2.9 (5.8%)	0.6 (1.2%)
	C	3.9 (7.7%)	-0.5 (-0.9%)
	AVG	2.9 (5.9%)	-0.1 (-0.2%)
NOV	W	2.5 (5.7%)	-0.1 (-0.2%)
	AN	2.8 (6.2%)	0.5 (1.1%)
	BN	2.6 (5.9%)	0.1 (0.2%)
	D	2.5 (5.7%)	-0.2 (-0.4%)
	C	1.9 (4.2%)	-0.1 (-0.3%)
	AVG	2.5 (5.6%)	0 (0%)
DEC	W	1.9 (4.6%)	-0.2 (-0.4%)
	AN	3.4 (8.7%)	-0.2 (-0.5%)
	BN	2.4 (6%)	-0.1 (-0.3%)
	D	1.9 (4.6%)	0 (0.1%)
	C	2.2 (5.6%)	0.4 (1.1%)
	AVG	2.2 (5.5%)	0 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.7.7 Trinity River at Douglas City

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 7 Model Scenarios in the Trinity River at Douglas City, Year-Round

Alternative 7: Trinity River at Douglas City				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
JAN	W	40	42	42
	AN	39	40	40
	BN	38	40	40
	D	38	40	40
	C	39	41	41
	AVG	39	41	41
FEB	W	43	45	45
	AN	43	45	45
	BN	42	44	44
	D	43	44	44
	C	43	45	45
	AVG	43	45	45
MAR	W	46	47	47
	AN	47	48	48
	BN	47	48	48
	D	48	49	49
	C	48	49	49
	AVG	47	48	48
APR	W	51	52	52
	AN	52	53	53
	BN	52	54	54
	D	53	54	54
	C	52	54	54
	AVG	52	53	53
MAY	W	48	50	50
	AN	48	50	50
	BN	49	51	51
	D	49	51	51
	C	52	55	55
	AVG	49	51	51
JUN	W	51	54	54
	AN	54	55	55
	BN	55	57	57
	D	57	59	60
	C	60	63	63
	AVG	55	57	57
JUL	W	57	61	60
	AN	58	60	60
	BN	59	62	62
	D	59	62	62
	C	62	67	67
	AVG	59	62	62

Alternative 7: Trinity River at Douglas City				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
AUG	W	60	62	62
	AN	59	61	61
	BN	60	63	63
	D	58	62	62
	C	61	67	68
	AVG	60	63	63
SEP	W	55	57	57
	AN	55	57	57
	BN	56	59	59
	D	55	60	60
	C	59	64	64
	AVG	56	59	59
OCT	W	50	53	53
	AN	51	53	53
	BN	52	54	54
	D	51	53	53
	C	53	56	55
	AVG	51	54	54
NOV	W	44	46	46
	AN	45	47	47
	BN	45	47	47
	D	44	46	46
	C	46	47	47
	AVG	44	47	47
DEC	W	41	43	43
	AN	40	42	42
	BN	39	42	41
	D	40	42	42
	C	39	41	41
	AVG	40	42	42

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River at Douglas City, Year-Round

Alternative 7: Trinity River at Douglas City			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
JAN	W	1.5 (3.8%)	0 (-0.1%)
	AN	1.6 (4.1%)	0 (0%)
	BN	1.4 (3.7%)	0 (-0.1%)
	D	2 (5.4%)	-0.1 (-0.3%)
	C	2 (5.2%)	0 (-0.1%)
	AVG	1.7 (4.4%)	-0.1 (-0.1%)
FEB	W	1.6 (3.6%)	0 (0%)
	AN	1.5 (3.5%)	0 (0%)
	BN	1.6 (3.8%)	0 (0%)
	D	1.6 (3.7%)	0 (0%)
	C	1.8 (4.2%)	0 (0%)
	AVG	1.6 (3.7%)	0 (0%)
MAR	W	1.2 (2.6%)	0 (0%)
	AN	1 (2.1%)	0 (0%)
	BN	1.2 (2.6%)	0 (0.1%)
	D	1 (2.2%)	0 (0%)
	C	1.4 (3%)	-0.1 (-0.2%)
	AVG	1.2 (2.5%)	0 (0%)
APR	W	1.2 (2.3%)	-0.1 (-0.1%)
	AN	1.5 (3%)	0.2 (0.3%)
	BN	1.7 (3.3%)	0.1 (0.1%)
	D	1.7 (3.3%)	0 (0%)
	C	1.9 (3.7%)	0.1 (0.2%)
	AVG	1.5 (3%)	0 (0%)
MAY	W	2.3 (4.9%)	0 (0.1%)
	AN	2.2 (4.7%)	0 (0%)
	BN	2.1 (4.3%)	0 (0%)
	D	2.5 (5.1%)	0 (0%)
	C	3 (5.8%)	0 (0%)
	AVG	2.4 (5%)	0 (0%)
JUN	W	2.2 (4.3%)	0 (0.1%)
	AN	1 (1.8%)	0 (0%)
	BN	1.8 (3.3%)	0 (0%)
	D	2.6 (4.5%)	0.2 (0.3%)
	C	2.9 (4.8%)	-0.3 (-0.4%)
	AVG	2.1 (3.9%)	0 (0%)
JUL	W	3.4 (6%)	-0.3 (-0.5%)
	AN	2 (3.4%)	-0.2 (-0.4%)
	BN	2.6 (4.4%)	-0.1 (-0.1%)
	D	2.9 (5%)	0.2 (0.4%)
	C	5.2 (8.4%)	0.6 (0.9%)
	AVG	3.2 (5.5%)	0 (0%)

Alternative 7: Trinity River at Douglas City			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
AUG	W	2.3 (3.9%)	-0.2 (-0.3%)
	AN	2.4 (4.1%)	-0.2 (-0.4%)
	BN	2.9 (4.9%)	-0.1 (-0.1%)
	D	3.9 (6.6%)	0.2 (0.3%)
	C	7.6 (12.5%)	1.4 (2%)
	AVG	3.6 (6%)	0.1 (0.2%)
SEP	W	2.3 (4.3%)	-0.1 (-0.2%)
	AN	2.5 (4.6%)	0.2 (0.4%)
	BN	3.3 (5.9%)	0 (-0.1%)
	D	4.7 (8.6%)	0 (0%)
	C	5.6 (9.4%)	0.3 (0.4%)
	AVG	3.5 (6.4%)	0 (0.1%)
OCT	W	2.3 (4.6%)	-0.2 (-0.4%)
	AN	1.8 (3.6%)	-0.1 (-0.1%)
	BN	2.3 (4.4%)	-0.1 (-0.2%)
	D	2.3 (4.6%)	0.4 (0.7%)
	C	2.8 (5.3%)	-0.3 (-0.6%)
	AVG	2.3 (4.5%)	-0.1 (-0.1%)
NOV	W	2 (4.6%)	-0.1 (-0.1%)
	AN	2.1 (4.8%)	0.2 (0.3%)
	BN	2.2 (5%)	0 (0%)
	D	2.1 (4.8%)	-0.1 (-0.2%)
	C	1.8 (3.9%)	-0.1 (-0.1%)
	AVG	2.1 (4.6%)	0 (-0.1%)
DEC	W	1.4 (3.4%)	0 (0%)
	AN	2.3 (5.7%)	-0.1 (-0.3%)
	BN	2 (5.2%)	-0.1 (-0.2%)
	D	1.8 (4.4%)	0 (0%)
	C	2.4 (6.2%)	0.2 (0.4%)
	AVG	1.9 (4.6%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.7.8 Trinity River below North Fork

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 7 Model Scenarios in the Trinity River below North Fork, Year-Round

Alternative 7: Trinity River below North Fork				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
JAN	W	40	41	41
	AN	38	39	39
	BN	38	39	39
	D	38	39	39
	C	38	40	40
	AVG	39	40	40
FEB	W	43	44	44
	AN	43	44	44
	BN	43	44	44
	D	43	44	44
	C	43	45	45
	AVG	43	44	44
MAR	W	46	47	47
	AN	46	47	47
	BN	46	47	47
	D	47	48	48
	C	48	49	49
	AVG	47	47	47
APR	W	53	53	53
	AN	54	54	55
	BN	54	55	55
	D	54	55	55
	C	54	55	55
	AVG	53	54	54
MAY	W	50	52	52
	AN	50	52	52
	BN	51	53	53
	D	51	54	54
	C	54	57	57
	AVG	51	53	53
JUN	W	55	57	57
	AN	58	58	58
	BN	60	61	61
	D	62	64	64
	C	63	66	66
	AVG	59	61	61
JUL	W	63	66	66
	AN	63	66	65
	BN	65	67	67
	D	65	68	68
	C	68	71	71
	AVG	65	67	67

Alternative 7: Trinity River below North Fork				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
AUG	W	65	68	67
	AN	64	67	67
	BN	65	68	68
	D	64	67	67
	C	65	69	70
	AVG	65	68	68
SEP	W	59	62	62
	AN	59	61	61
	BN	59	62	62
	D	58	62	62
	C	61	64	64
	AVG	59	62	62
OCT	W	53	55	55
	AN	53	55	55
	BN	54	56	56
	D	53	54	55
	C	54	56	56
	AVG	53	55	55
NOV	W	44	45	45
	AN	44	46	46
	BN	44	46	46
	D	44	45	45
	C	45	47	47
	AVG	44	46	46
DEC	W	41	42	42
	AN	40	42	41
	BN	39	41	41
	D	40	41	41
	C	38	40	40
	AVG	40	41	41

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River below North Fork, Year-Round

Alternative 7: Trinity River below North Fork			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
JAN	W	1.1 (2.8%)	0 (-0.1%)
	AN	1 (2.7%)	0 (0%)
	BN	1 (2.7%)	0 (-0.1%)
	D	1.5 (4.1%)	-0.1 (-0.2%)
	C	1.7 (4.4%)	0 (0%)
	AVG	1.3 (3.3%)	0 (-0.1%)
FEB	W	1.1 (2.5%)	0 (0%)
	AN	1 (2.4%)	0 (0%)
	BN	1.1 (2.7%)	0 (0%)
	D	1.1 (2.5%)	0 (0%)
	C	1.4 (3.3%)	0 (0%)
	AVG	1.1 (2.6%)	0 (0%)
MAR	W	0.8 (1.6%)	0 (0%)
	AN	0.6 (1.3%)	0 (0%)
	BN	0.8 (1.6%)	0 (0%)
	D	0.7 (1.5%)	0 (0%)
	C	1 (2.2%)	0 (0%)
	AVG	0.8 (1.7%)	0 (0%)
APR	W	0.8 (1.5%)	0 (-0.1%)
	AN	1 (1.9%)	0.1 (0.2%)
	BN	1.1 (2%)	0 (0.1%)
	D	1.2 (2.2%)	0 (0%)
	C	1.4 (2.7%)	0 (0%)
	AVG	1.1 (2%)	0 (0%)
MAY	W	2.1 (4.2%)	0 (0%)
	AN	2.1 (4.1%)	0 (0%)
	BN	1.9 (3.8%)	0 (0%)
	D	2.3 (4.4%)	0 (0%)
	C	2.7 (4.9%)	0 (0%)
	AVG	2.2 (4.3%)	0 (0%)
JUN	W	1.9 (3.4%)	0 (0.1%)
	AN	0.8 (1.3%)	0 (0%)
	BN	1.7 (2.9%)	0 (0%)
	D	2.3 (3.8%)	0.1 (0.2%)
	C	2.4 (3.8%)	-0.2 (-0.2%)
	AVG	1.9 (3.2%)	0 (0%)
JUL	W	3.2 (5.1%)	-0.2 (-0.3%)
	AN	2.1 (3.2%)	-0.1 (-0.2%)
	BN	2.2 (3.4%)	0 (0%)
	D	2.7 (4.1%)	0.2 (0.2%)
	C	3.6 (5.3%)	0.3 (0.4%)
	AVG	2.8 (4.4%)	0 (0%)

Alternative 7: Trinity River below North Fork			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
AUG	W	2.4 (3.7%)	-0.1 (-0.1%)
	AN	2.5 (4%)	-0.1 (-0.1%)
	BN	2.8 (4.3%)	0 (-0.1%)
	D	3.3 (5.2%)	0.1 (0.1%)
	C	4.7 (7.2%)	0.8 (1.2%)
	AVG	3 (4.7%)	0.1 (0.1%)
SEP	W	2.5 (4.3%)	0 (-0.1%)
	AN	2.6 (4.4%)	0.1 (0.1%)
	BN	3 (5.1%)	0 (0%)
	D	3.7 (6.4%)	0 (0%)
	C	3.2 (5.3%)	0.2 (0.4%)
	AVG	3 (5.1%)	0 (0.1%)
OCT	W	1.9 (3.5%)	-0.1 (-0.2%)
	AN	1.7 (3.3%)	-0.1 (-0.2%)
	BN	1.9 (3.6%)	0 (-0.1%)
	D	2 (3.7%)	0.2 (0.3%)
	C	2.6 (4.8%)	0 (-0.1%)
	AVG	2 (3.7%)	0 (0%)
NOV	W	1.6 (3.6%)	0 (-0.1%)
	AN	1.5 (3.5%)	0 (0%)
	BN	1.9 (4.2%)	0 (0%)
	D	1.6 (3.8%)	-0.1 (-0.1%)
	C	1.6 (3.6%)	0 (-0.1%)
	AVG	1.6 (3.7%)	0 (-0.1%)
DEC	W	1 (2.4%)	0.1 (0.1%)
	AN	1.5 (3.6%)	-0.1 (-0.2%)
	BN	1.6 (4.2%)	0 (-0.1%)
	D	1.5 (3.7%)	0 (0%)
	C	2 (5.1%)	0.1 (0.2%)
	AVG	1.4 (3.5%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.7.9 Feather River at Fish Barrier Dam

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 7 Model Scenarios in the Feather River at Fish Barrier Dam, Year-Round

Alternative 7: Feather River at Fish Barrier Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
JAN	W	48	51	51
	AN	47	50	51
	BN	48	51	51
	D	47	51	51
	C	48	51	51
	AVG	48	51	51
FEB	W	48	51	51
	AN	48	51	51
	BN	48	51	52
	D	49	52	52
	C	49	53	53
	AVG	48	51	52
MAR	W	49	51	51
	AN	49	51	51
	BN	50	53	53
	D	51	53	54
	C	51	54	55
	AVG	50	52	53
APR	W	51	52	52
	AN	51	53	53
	BN	52	54	54
	D	52	54	54
	C	52	54	54
	AVG	51	53	53
MAY	W	55	56	55
	AN	56	56	56
	BN	56	56	56
	D	56	56	56
	C	56	57	56
	AVG	55	56	56
JUN	W	57	58	58
	AN	58	58	58
	BN	58	58	58
	D	58	58	59
	C	58	59	58
	AVG	58	58	58
JUL	W	61	61	61
	AN	61	61	61
	BN	61	61	61
	D	61	61	62
	C	61	62	63
	AVG	61	61	62

Alternative 7: Feather River at Fish Barrier Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
AUG	W	61	61	61
	AN	60	60	60
	BN	60	60	61
	D	60	62	61
	C	62	64	63
	AVG	61	61	61
SEP	W	56	55	56
	AN	56	55	56
	BN	56	57	57
	D	56	61	58
	C	58	63	62
	AVG	56	58	57
OCT	W	54	58	56
	AN	55	58	58
	BN	54	58	57
	D	54	59	58
	C	54	58	57
	AVG	54	58	57
NOV	W	52	58	56
	AN	53	58	57
	BN	53	58	56
	D	52	59	57
	C	53	58	57
	AVG	53	58	57
DEC	W	49	53	53
	AN	49	55	54
	BN	49	54	54
	D	49	54	54
	C	49	54	53
	AVG	49	54	53

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Fish Barrier Dam, Year-Round

Alternative 7: Feather River at Fish Barrier Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
JAN	W	3.1 (6.4%)	0.3 (0.6%)
	AN	3.2 (6.8%)	0.2 (0.3%)
	BN	3.2 (6.7%)	0.2 (0.3%)
	D	3.6 (7.6%)	0.2 (0.4%)
	C	3.7 (7.9%)	-0.1 (-0.2%)
	AVG	3.3 (7%)	0.2 (0.4%)
FEB	W	2.8 (5.9%)	0.2 (0.4%)
	AN	2.7 (5.7%)	0.2 (0.4%)
	BN	3.3 (6.8%)	0.3 (0.6%)
	D	3.3 (6.7%)	0.3 (0.7%)
	C	3.5 (7.1%)	0 (0.1%)
	AVG	3.1 (6.4%)	0.2 (0.4%)
MAR	W	2.8 (5.7%)	0.3 (0.5%)
	AN	2.4 (4.8%)	0.1 (0.2%)
	BN	3.3 (6.5%)	0 (0%)
	D	2.7 (5.3%)	0.4 (0.7%)
	C	3.4 (6.7%)	0.3 (0.5%)
	AVG	2.9 (5.8%)	0.2 (0.4%)
APR	W	2 (3.9%)	0.2 (0.3%)
	AN	1.9 (3.6%)	0.1 (0.3%)
	BN	2 (3.8%)	0.3 (0.5%)
	D	2.1 (4%)	0.2 (0.3%)
	C	2.7 (5.2%)	0.1 (0.3%)
	AVG	2.1 (4.1%)	0.2 (0.3%)
MAY	W	0.6 (1.2%)	-0.1 (-0.1%)
	AN	0.5 (0.8%)	0 (-0.1%)
	BN	0.5 (0.9%)	0.2 (0.3%)
	D	0.6 (1.1%)	0.4 (0.7%)
	C	0.6 (1.1%)	-0.2 (-0.4%)
	AVG	0.6 (1.1%)	0.1 (0.1%)
JUN	W	0.4 (0.7%)	0 (0%)
	AN	0.2 (0.4%)	-0.1 (-0.2%)
	BN	0.4 (0.6%)	0.1 (0.2%)
	D	0.8 (1.3%)	0.3 (0.4%)
	C	0.5 (0.8%)	-0.7 (-1.2%)
	AVG	0.5 (0.8%)	-0.1 (-0.1%)
JUL	W	0.1 (0.2%)	0 (0.1%)
	AN	0.3 (0.6%)	0 (0.1%)
	BN	0.5 (0.8%)	0.1 (0.1%)
	D	1 (1.7%)	0.5 (0.8%)
	C	1.9 (3.1%)	0.4 (0.7%)
	AVG	0.7 (1.1%)	0.2 (0.3%)

Alternative 7: Feather River at Fish Barrier Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
AUG	W	0.1 (0.1%)	0.3 (0.6%)
	AN	0.5 (0.8%)	0.3 (0.5%)
	BN	0.6 (0.9%)	0 (0%)
	D	1.4 (2.4%)	-0.4 (-0.7%)
	C	0.8 (1.3%)	-1.6 (-2.5%)
	AVG	0.6 (1%)	-0.2 (-0.3%)
SEP	W	-0.4 (-0.7%)	0.2 (0.4%)
	AN	0.2 (0.3%)	0.7 (1.2%)
	BN	1 (1.8%)	-0.5 (-0.9%)
	D	2 (3.6%)	-2.9 (-4.8%)
	C	4.3 (7.5%)	-1.1 (-1.7%)
	AVG	1.2 (2.1%)	-0.7 (-1.2%)
OCT	W	2.4 (4.5%)	-2.2 (-3.7%)
	AN	2.8 (5.1%)	-0.6 (-1%)
	BN	2.5 (4.7%)	-1.7 (-3%)
	D	4.5 (8.4%)	-1.2 (-2%)
	C	2.8 (5.1%)	-1 (-1.8%)
	AVG	3 (5.6%)	-1.5 (-2.5%)
NOV	W	3.9 (7.5%)	-2 (-3.4%)
	AN	3.8 (7.1%)	-1.1 (-2%)
	BN	3.6 (6.7%)	-1.9 (-3.2%)
	D	5 (9.5%)	-1.3 (-2.2%)
	C	4.2 (7.9%)	-1 (-1.8%)
	AVG	4.1 (7.8%)	-1.6 (-2.7%)
DEC	W	4.3 (8.8%)	-0.2 (-0.3%)
	AN	4.6 (9.3%)	-1.1 (-1.9%)
	BN	5.1 (10.4%)	-0.5 (-0.9%)
	D	4.7 (9.5%)	-0.4 (-0.8%)
	C	4.3 (8.8%)	-0.4 (-0.8%)
	AVG	4.5 (9.3%)	-0.4 (-0.8%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.7.10 Feather River Low-Flow Channel (above Thermalito Afterbay)

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 7 Model Scenarios in the Feather River Low-Flow Channel (above Thermalito Afterbay), Year-Round

Alternative 7: Feather River Low-Flow Channel (above Thermalito Afterbay)				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
JAN	W	47	50	51
	AN	47	50	50
	BN	47	50	50
	D	47	50	50
	C	47	51	51
	AVG	47	50	50
FEB	W	49	51	52
	AN	49	51	52
	BN	49	52	52
	D	49	52	52
	C	50	53	53
	AVG	49	52	52
MAR	W	50	53	53
	AN	51	53	53
	BN	51	54	54
	D	52	55	55
	C	53	56	56
	AVG	51	54	54
APR	W	53	55	55
	AN	55	57	57
	BN	55	57	57
	D	55	57	58
	C	55	57	58
	AVG	55	57	57
MAY	W	59	61	61
	AN	60	62	62
	BN	60	61	61
	D	60	61	61
	C	60	62	61
	AVG	60	61	61
JUN	W	63	65	65
	AN	64	66	66
	BN	64	65	66
	D	64	66	66
	C	63	65	65
	AVG	64	65	65

Alternative 7: Feather River Low-Flow Channel (above Thermalito Afterbay)				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
JUL	W	68	69	69
	AN	67	69	69
	BN	67	69	69
	D	67	69	69
	C	67	70	70
	AVG	67	69	69
AUG	W	66	68	68
	AN	65	67	67
	BN	66	68	68
	D	65	68	68
	C	67	70	69
	AVG	66	68	68
SEP	W	60	61	61
	AN	60	61	61
	BN	60	62	62
	D	60	65	63
	C	61	66	66
	AVG	60	63	62
OCT	W	55	60	58
	AN	57	60	60
	BN	56	60	59
	D	56	61	60
	C	56	60	59
	AVG	56	60	59
NOV	W	52	58	56
	AN	53	58	57
	BN	53	58	56
	D	53	58	57
	C	53	58	57
	AVG	53	58	57
DEC	W	48	53	52
	AN	49	54	53
	BN	48	53	53
	D	48	53	53
	C	48	53	52
	AVG	48	53	53

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather Low-Flow Channel (above Thermalito Afterbay), Year-Round

Alternative 7: Feather River Low-Flow Channel (above Thermalito Afterbay)			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
JAN	W	3.1 (6.4%)	0.3 (0.5%)
	AN	3.2 (6.9%)	0.1 (0.3%)
	BN	3.1 (6.6%)	0.1 (0.3%)
	D	3.4 (7.4%)	0.2 (0.4%)
	C	3.6 (7.6%)	-0.1 (-0.1%)
	AVG	3.2 (6.9%)	0.2 (0.3%)
FEB	W	2.8 (5.8%)	0.2 (0.3%)
	AN	2.8 (5.7%)	0.2 (0.3%)
	BN	3.2 (6.5%)	0.2 (0.4%)
	D	3.1 (6.4%)	0.3 (0.5%)
	C	3.4 (6.8%)	0 (0.1%)
	AVG	3 (6.2%)	0.2 (0.3%)
MAR	W	2.7 (5.3%)	0.2 (0.4%)
	AN	2.4 (4.7%)	0.1 (0.2%)
	BN	3 (5.9%)	0 (0%)
	D	2.7 (5.1%)	0.3 (0.5%)
	C	3.2 (6.1%)	0.2 (0.4%)
	AVG	2.8 (5.4%)	0.2 (0.3%)
APR	W	2 (3.7%)	0.1 (0.2%)
	AN	2.1 (3.8%)	0.1 (0.2%)
	BN	2.1 (3.8%)	0.2 (0.4%)
	D	2.3 (4.1%)	0.1 (0.2%)
	C	2.7 (4.8%)	0.1 (0.2%)
	AVG	2.2 (4%)	0.1 (0.2%)
MAY	W	1.4 (2.3%)	0 (-0.1%)
	AN	1.3 (2.2%)	0 (0%)
	BN	1.3 (2.2%)	0.2 (0.3%)
	D	1.4 (2.3%)	0.2 (0.4%)
	C	1.4 (2.3%)	-0.2 (-0.3%)
	AVG	1.4 (2.3%)	0 (0.1%)
JUN	W	1.6 (2.5%)	0 (0%)
	AN	1.7 (2.6%)	-0.1 (-0.1%)
	BN	1.7 (2.6%)	0.1 (0.1%)
	D	2 (3.2%)	0.2 (0.3%)
	C	1.7 (2.7%)	-0.5 (-0.7%)
	AVG	1.7 (2.7%)	0 (0%)
JUL	W	1.6 (2.4%)	0 (0%)
	AN	1.8 (2.7%)	0.1 (0.1%)
	BN	1.8 (2.7%)	0 (0.1%)
	D	2.2 (3.3%)	0.3 (0.4%)
	C	2.9 (4.3%)	0.3 (0.4%)
	AVG	2 (3%)	0.1 (0.2%)

Alternative 7: Feather River Low-Flow Channel (above Thermalito Afterbay)			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
AUG	W	1.7 (2.5%)	0.2 (0.3%)
	AN	1.9 (2.9%)	0.2 (0.3%)
	BN	2 (3%)	0 (0%)
	D	2.6 (3.9%)	-0.3 (-0.4%)
	C	2.1 (3.2%)	-1.1 (-1.5%)
	AVG	2 (3.1%)	-0.1 (-0.2%)
SEP	W	1 (1.6%)	0.2 (0.2%)
	AN	1.3 (2.2%)	0.5 (0.8%)
	BN	1.9 (3.2%)	-0.4 (-0.6%)
	D	2.7 (4.6%)	-2.1 (-3.2%)
	C	4.3 (7%)	-0.8 (-1.2%)
	AVG	2.1 (3.4%)	-0.5 (-0.8%)
OCT	W	2.6 (4.7%)	-1.7 (-2.8%)
	AN	2.9 (5.2%)	-0.4 (-0.7%)
	BN	2.8 (5%)	-1.3 (-2.2%)
	D	4.3 (7.7%)	-0.9 (-1.5%)
	C	2.9 (5.3%)	-0.8 (-1.3%)
	AVG	3.1 (5.6%)	-1.2 (-1.9%)
NOV	W	3.8 (7.2%)	-1.6 (-2.8%)
	AN	3.7 (7%)	-0.9 (-1.6%)
	BN	3.5 (6.6%)	-1.6 (-2.7%)
	D	4.7 (8.9%)	-1.1 (-1.9%)
	C	4 (7.6%)	-0.8 (-1.5%)
	AVG	3.9 (7.5%)	-1.3 (-2.2%)
DEC	W	4.1 (8.5%)	-0.1 (-0.2%)
	AN	4.3 (8.8%)	-0.9 (-1.7%)
	BN	4.7 (9.7%)	-0.4 (-0.8%)
	D	4.4 (9.1%)	-0.3 (-0.6%)
	C	4 (8.4%)	-0.4 (-0.8%)
	AVG	4.3 (8.9%)	-0.4 (-0.7%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.7.11 Feather River High-Flow Channel (below Thermalito Afterbay)

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 7 Model Scenarios in the Feather River High-Flow Channel (below Thermalito Afterbay), Year-Round

Alternative 7: Feather River High-Flow Channel (below Thermalito Afterbay)				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
JAN	W	47	50	50
	AN	47	50	50
	BN	46	49	49
	D	46	49	49
	C	46	50	50
	AVG	47	49	50
FEB	W	49	52	52
	AN	49	52	52
	BN	49	52	53
	D	50	53	53
	C	51	54	54
	AVG	50	52	52
MAR	W	51	54	54
	AN	52	54	54
	BN	53	56	56
	D	54	57	57
	C	54	57	57
	AVG	53	55	55
APR	W	55	57	57
	AN	57	59	59
	BN	58	59	59
	D	57	60	60
	C	57	60	60
	AVG	57	59	59
MAY	W	61	63	63
	AN	63	64	64
	BN	63	65	65
	D	63	65	65
	C	63	66	66
	AVG	62	64	64
JUN	W	66	68	68
	AN	67	70	69
	BN	67	70	70
	D	68	71	71
	C	68	71	70
	AVG	67	70	69

Alternative 7: Feather River High-Flow Channel (below Thermalito Afterbay)				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
JUL	W	70	70	71
	AN	68	69	70
	BN	68	70	70
	D	68	70	72
	C	70	74	75
	AVG	69	71	72
AUG	W	70	70	71
	AN	67	69	70
	BN	68	70	70
	D	67	71	73
	C	70	74	73
	AVG	69	71	72
SEP	W	64	63	64
	AN	64	64	66
	BN	65	68	68
	D	64	67	66
	C	64	69	70
	AVG	64	66	66
OCT	W	58	62	62
	AN	60	63	63
	BN	59	63	62
	D	58	63	62
	C	59	63	63
	AVG	59	63	62
NOV	W	53	57	56
	AN	54	58	57
	BN	53	57	56
	D	53	57	57
	C	53	57	57
	AVG	53	57	57
DEC	W	48	51	51
	AN	48	52	51
	BN	47	51	51
	D	47	51	50
	C	47	50	50
	AVG	47	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather High-Flow Channel (below Thermalito Afterbay), Year-Round

Alternative 7: Feather River High-Flow Channel (below Thermalito Afterbay)			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
JAN	W	2.9 (6.2%)	0.3 (0.5%)
	AN	3 (6.4%)	0.1 (0.1%)
	BN	2.8 (6%)	0.1 (0.1%)
	D	3 (6.6%)	0.2 (0.3%)
	C	3.3 (7%)	0 (0%)
	AVG	3 (6.4%)	0.1 (0.3%)
FEB	W	2.7 (5.5%)	0 (0.1%)
	AN	3 (6.2%)	0 (-0.1%)
	BN	3.1 (6.2%)	0.1 (0.2%)
	D	2.9 (5.9%)	0.2 (0.3%)
	C	3.2 (6.3%)	0.1 (0.2%)
	AVG	2.9 (5.9%)	0.1 (0.1%)
MAR	W	2.6 (5%)	0.3 (0.5%)
	AN	1.7 (3.2%)	0 (-0.1%)
	BN	3.1 (5.9%)	0.1 (0.2%)
	D	2.7 (5%)	0.2 (0.4%)
	C	3.1 (5.8%)	0.1 (0.2%)
	AVG	2.7 (5%)	0.2 (0.3%)
APR	W	2.1 (3.8%)	0.1 (0.1%)
	AN	2.3 (4.1%)	0.1 (0.1%)
	BN	1.9 (3.4%)	0.2 (0.3%)
	D	2.7 (4.7%)	0.3 (0.6%)
	C	2.6 (4.5%)	0.1 (0.1%)
	AVG	2.3 (4.1%)	0.2 (0.3%)
MAY	W	2.7 (4.4%)	-0.1 (-0.1%)
	AN	1.4 (2.2%)	-0.3 (-0.4%)
	BN	2 (3.2%)	-0.1 (-0.1%)
	D	2.4 (3.8%)	0.1 (0.1%)
	C	2.2 (3.6%)	0 (0%)
	AVG	2.2 (3.6%)	-0.1 (-0.1%)
JUN	W	2.3 (3.5%)	-0.4 (-0.6%)
	AN	1.5 (2.2%)	-1.1 (-1.5%)
	BN	2.1 (3.2%)	-0.2 (-0.3%)
	D	3.3 (4.8%)	0.4 (0.5%)
	C	2 (3%)	-1 (-1.4%)
	AVG	2.3 (3.5%)	-0.4 (-0.5%)
JUL	W	1.1 (1.5%)	0.6 (0.9%)
	AN	1.7 (2.5%)	0.3 (0.5%)
	BN	2.3 (3.3%)	0.3 (0.4%)
	D	4.3 (6.4%)	2.1 (3%)
	C	5.7 (8.2%)	1.5 (2%)
	AVG	2.8 (4.1%)	1 (1.4%)

Alternative 7: Feather River High-Flow Channel (below Thermalito Afterbay)			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
AUG	W	1.4 (2.1%)	0.7 (1.1%)
	AN	2.8 (4.1%)	1 (1.4%)
	BN	2.2 (3.3%)	0 (0.1%)
	D	5.5 (8.2%)	1.6 (2.2%)
	C	3.6 (5.1%)	-0.5 (-0.7%)
	AVG	3 (4.3%)	0.7 (0.9%)
SEP	W	0.3 (0.4%)	1 (1.6%)
	AN	1.5 (2.3%)	1.9 (3%)
	BN	2.6 (4%)	-0.3 (-0.4%)
	D	1.6 (2.6%)	-0.9 (-1.3%)
	C	5.6 (8.6%)	0.7 (0.9%)
	AVG	1.9 (3%)	0.4 (0.7%)
OCT	W	3.2 (5.5%)	-0.7 (-1.2%)
	AN	3.2 (5.3%)	-0.2 (-0.4%)
	BN	3.1 (5.3%)	-0.5 (-0.8%)
	D	4 (6.8%)	-0.3 (-0.5%)
	C	3.9 (6.6%)	0.1 (0.1%)
	AVG	3.5 (5.9%)	-0.4 (-0.7%)
NOV	W	3.4 (6.5%)	-0.9 (-1.5%)
	AN	3.6 (6.6%)	-0.5 (-0.8%)
	BN	3.2 (6%)	-1 (-1.7%)
	D	3.9 (7.4%)	-0.8 (-1.3%)
	C	3.9 (7.3%)	-0.1 (-0.2%)
	AVG	3.6 (6.7%)	-0.7 (-1.2%)
DEC	W	3.5 (7.4%)	0.1 (0.1%)
	AN	3.7 (7.8%)	-0.8 (-1.5%)
	BN	3.7 (7.9%)	-0.5 (-1%)
	D	3.7 (7.8%)	-0.4 (-0.8%)
	C	3.4 (7.4%)	-0.4 (-0.8%)
	AVG	3.6 (7.6%)	-0.3 (-0.6%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.7.12 Feather River at Gridley Dam

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 7 Model Scenarios in the Feather River at Gridley Dam, Year-Round

Alternative 7: Feather River at Gridley Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
JAN	W	47	50	50
	AN	47	49	50
	BN	46	49	49
	D	46	48	48
	C	46	49	49
	AVG	46	49	49
FEB	W	49	52	52
	AN	49	52	52
	BN	50	53	53
	D	50	53	53
	C	51	54	54
	AVG	50	53	53
MAR	W	51	54	54
	AN	53	54	54
	BN	54	57	57
	D	55	57	57
	C	54	57	57
	AVG	53	56	56
APR	W	56	58	58
	AN	58	60	60
	BN	59	61	61
	D	59	61	61
	C	58	61	61
	AVG	58	60	60
MAY	W	61	64	64
	AN	64	66	66
	BN	64	66	66
	D	64	66	67
	C	64	67	67
	AVG	63	66	66
JUN	W	67	69	69
	AN	69	71	70
	BN	69	71	71
	D	69	72	73
	C	69	72	71
	AVG	68	71	70
JUL	W	70	71	72
	AN	69	70	71
	BN	69	71	71
	D	69	71	73
	C	71	75	76
	AVG	70	72	73

Alternative 7: Feather River at Gridley Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
AUG	W	71	71	72
	AN	68	70	71
	BN	69	71	71
	D	68	72	74
	C	71	75	74
	AVG	69	72	73
SEP	W	65	64	65
	AN	65	64	66
	BN	66	69	69
	D	65	68	68
	C	66	70	71
	AVG	65	67	67
OCT	W	59	63	62
	AN	60	63	63
	BN	60	63	63
	D	59	63	63
	C	59	63	63
	AVG	59	63	63
NOV	W	53	57	56
	AN	54	58	57
	BN	53	57	56
	D	53	57	57
	C	54	57	57
	AVG	53	57	57
DEC	W	48	51	51
	AN	47	52	51
	BN	47	51	50
	D	47	51	50
	C	46	50	50
	AVG	47	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Gridley Dam, Year-Round

Alternative 7: Feather River at Gridley Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
JAN	W	2.9 (6.2%)	0.3 (0.5%)
	AN	3 (6.4%)	0 (0.1%)
	BN	2.8 (6%)	0.1 (0.1%)
	D	2.9 (6.5%)	0.1 (0.3%)
	C	3.2 (7%)	0 (-0.1%)
	AVG	3 (6.4%)	0.1 (0.3%)
FEB	W	2.7 (5.5%)	0 (0%)
	AN	3 (6.1%)	-0.1 (-0.1%)
	BN	3.1 (6.2%)	0.1 (0.2%)
	D	2.9 (5.8%)	0.1 (0.3%)
	C	3.2 (6.2%)	0.1 (0.2%)
	AVG	2.9 (5.9%)	0.1 (0.1%)
MAR	W	2.5 (4.9%)	0.2 (0.4%)
	AN	1.7 (3.2%)	0 (0%)
	BN	3.1 (5.7%)	0.1 (0.1%)
	D	2.7 (4.9%)	0.2 (0.3%)
	C	3 (5.5%)	0.1 (0.2%)
	AVG	2.6 (4.9%)	0.1 (0.2%)
APR	W	2.1 (3.8%)	0.1 (0.1%)
	AN	2.3 (4%)	0.1 (0.1%)
	BN	2 (3.4%)	0.2 (0.3%)
	D	2.6 (4.4%)	0.2 (0.4%)
	C	2.5 (4.3%)	0.1 (0.1%)
	AVG	2.3 (4%)	0.1 (0.2%)
MAY	W	2.9 (4.7%)	-0.1 (-0.1%)
	AN	1.6 (2.5%)	-0.2 (-0.4%)
	BN	2.1 (3.2%)	0 (0%)
	D	2.4 (3.7%)	0.2 (0.3%)
	C	2.2 (3.4%)	-0.1 (-0.2%)
	AVG	2.4 (3.7%)	0 (0%)
JUN	W	2.4 (3.6%)	-0.4 (-0.6%)
	AN	1.4 (2.1%)	-1 (-1.5%)
	BN	2.1 (3.1%)	-0.1 (-0.2%)
	D	3.4 (4.9%)	0.5 (0.7%)
	C	2 (2.8%)	-1.1 (-1.6%)
	AVG	2.4 (3.5%)	-0.3 (-0.5%)
JUL	W	1.1 (1.6%)	0.5 (0.7%)
	AN	1.9 (2.8%)	0.3 (0.5%)
	BN	2.4 (3.5%)	0.3 (0.4%)
	D	4.6 (6.7%)	2.2 (3%)
	C	5.9 (8.4%)	1.5 (2%)
	AVG	2.9 (4.2%)	1 (1.3%)

Alternative 7: Feather River at Gridley Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
AUG	W	1.4 (2%)	0.8 (1.1%)
	AN	2.8 (4.2%)	1 (1.5%)
	BN	2.4 (3.4%)	0.1 (0.1%)
	D	5.8 (8.5%)	1.5 (2.1%)
	C	3.3 (4.6%)	-0.9 (-1.2%)
	AVG	3 (4.3%)	0.6 (0.8%)
SEP	W	-0.2 (-0.3%)	1.1 (1.7%)
	AN	1.2 (1.9%)	2 (3.1%)
	BN	2.9 (4.3%)	0 (0%)
	D	2.5 (3.8%)	-0.8 (-1.2%)
	C	5.1 (7.8%)	0.4 (0.6%)
	AVG	1.9 (2.9%)	0.5 (0.7%)
OCT	W	3.2 (5.5%)	-0.7 (-1.1%)
	AN	3.1 (5.1%)	-0.2 (-0.4%)
	BN	3.2 (5.3%)	-0.5 (-0.8%)
	D	3.8 (6.5%)	-0.3 (-0.5%)
	C	3.7 (6.3%)	0 (0%)
	AVG	3.4 (5.7%)	-0.4 (-0.7%)
NOV	W	3.4 (6.4%)	-0.8 (-1.4%)
	AN	3.5 (6.5%)	-0.4 (-0.7%)
	BN	3.2 (6%)	-0.8 (-1.5%)
	D	3.8 (7.2%)	-0.7 (-1.2%)
	C	3.8 (7.1%)	-0.2 (-0.3%)
	AVG	3.5 (6.6%)	-0.6 (-1.1%)
DEC	W	3.5 (7.3%)	0.1 (0.2%)
	AN	3.6 (7.6%)	-0.7 (-1.4%)
	BN	3.6 (7.7%)	-0.5 (-1%)
	D	3.6 (7.7%)	-0.4 (-0.8%)
	C	3.3 (7.2%)	-0.4 (-0.8%)
	AVG	3.5 (7.5%)	-0.3 (-0.6%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.7.13 Feather River at Honcut Creek

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 7 Model Scenarios in the Feather River at Honcut Creek, Year-Round

Alternative 7: Feather River at Honcut Creek				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
JAN	W	47	50	50
	AN	46	49	49
	BN	46	49	49
	D	45	48	48
	C	46	49	49
	AVG	46	49	49
FEB	W	49	52	52
	AN	49	53	52
	BN	50	53	53
	D	50	53	53
	C	51	54	54
	AVG	50	53	53
MAR	W	52	54	54
	AN	53	55	55
	BN	54	57	57
	D	55	58	58
	C	55	58	58
	AVG	53	56	56
APR	W	56	58	58
	AN	59	61	61
	BN	60	62	62
	D	60	62	62
	C	59	62	62
	AVG	58	61	61
MAY	W	62	65	65
	AN	65	67	67
	BN	65	67	67
	D	65	67	67
	C	65	68	68
	AVG	64	67	67
JUN	W	67	70	70
	AN	69	72	71
	BN	69	72	72
	D	70	73	73
	C	69	73	71
	AVG	69	72	71
JUL	W	71	72	72
	AN	69	71	71
	BN	69	72	72
	D	69	72	74
	C	71	76	77
	AVG	70	72	73

Alternative 7: Feather River at Honcut Creek				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
AUG	W	72	72	73
	AN	69	71	72
	BN	69	72	72
	D	68	73	74
	C	72	76	75
	AVG	70	73	73
SEP	W	66	64	65
	AN	66	65	67
	BN	67	69	70
	D	66	70	69
	C	66	71	71
	AVG	66	68	68
OCT	W	59	63	62
	AN	60	64	63
	BN	60	64	63
	D	59	63	63
	C	60	64	63
	AVG	60	63	63
NOV	W	53	57	56
	AN	54	58	57
	BN	53	57	56
	D	53	57	56
	C	54	57	57
	AVG	53	57	57
DEC	W	47	51	51
	AN	47	52	51
	BN	46	51	50
	D	46	50	50
	C	46	50	49
	AVG	47	51	50

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Honcut Creek, Year-Round

Alternative 7: Feather River at Honcut Creek			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
JAN	W	2.9 (6.2%)	0.2 (0.5%)
	AN	3 (6.4%)	0.1 (0.1%)
	BN	2.8 (6%)	0 (0.1%)
	D	2.9 (6.4%)	0.1 (0.2%)
	C	3.2 (6.9%)	-0.1 (-0.2%)
	AVG	2.9 (6.3%)	0.1 (0.2%)
FEB	W	2.7 (5.5%)	0 (0%)
	AN	3 (6%)	-0.1 (-0.2%)
	BN	3 (6.1%)	0.1 (0.1%)
	D	2.9 (5.8%)	0.1 (0.2%)
	C	3.1 (6.1%)	0.1 (0.1%)
	AVG	2.9 (5.8%)	0 (0.1%)
MAR	W	2.5 (4.9%)	0.3 (0.5%)
	AN	1.7 (3.2%)	-0.1 (-0.1%)
	BN	3 (5.6%)	0 (0%)
	D	2.6 (4.7%)	0.1 (0.2%)
	C	2.9 (5.3%)	0.1 (0.2%)
	AVG	2.6 (4.8%)	0.1 (0.2%)
APR	W	2.1 (3.8%)	0.1 (0.1%)
	AN	2.4 (4%)	0.1 (0.1%)
	BN	2.1 (3.5%)	0.1 (0.2%)
	D	2.5 (4.2%)	0.2 (0.3%)
	C	2.6 (4.3%)	0.1 (0.1%)
	AVG	2.3 (3.9%)	0.1 (0.2%)
MAY	W	3.1 (4.9%)	-0.1 (-0.2%)
	AN	1.8 (2.8%)	-0.3 (-0.4%)
	BN	2.1 (3.3%)	0.1 (0.2%)
	D	2.4 (3.7%)	0.4 (0.5%)
	C	2.2 (3.4%)	-0.1 (-0.2%)
	AVG	2.5 (3.8%)	0 (0%)
JUN	W	2.5 (3.7%)	-0.4 (-0.5%)
	AN	1.5 (2.2%)	-0.9 (-1.3%)
	BN	2.2 (3.2%)	-0.1 (-0.1%)
	D	3.5 (5%)	0.5 (0.7%)
	C	1.9 (2.7%)	-1.3 (-1.7%)
	AVG	2.4 (3.6%)	-0.3 (-0.5%)
JUL	W	1.2 (1.7%)	0.5 (0.7%)
	AN	2 (2.9%)	0.4 (0.5%)
	BN	2.6 (3.7%)	0.3 (0.3%)
	D	4.8 (6.9%)	2.1 (3%)
	C	6 (8.5%)	1.5 (2.1%)
	AVG	3.1 (4.4%)	1 (1.3%)

Alternative 7: Feather River at Honcut Creek			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
AUG	W	1.5 (2.2%)	0.9 (1.2%)
	AN	2.9 (4.3%)	1 (1.5%)
	BN	2.5 (3.6%)	0.1 (0.1%)
	D	6 (8.7%)	1.4 (2%)
	C	2.9 (4.1%)	-1.3 (-1.7%)
	AVG	3.1 (4.4%)	0.6 (0.8%)
SEP	W	-0.5 (-0.7%)	1.1 (1.7%)
	AN	1.1 (1.7%)	2.1 (3.2%)
	BN	3 (4.6%)	0.2 (0.2%)
	D	3.1 (4.7%)	-0.7 (-1.1%)
	C	4.7 (7.1%)	0.2 (0.2%)
	AVG	1.9 (2.9%)	0.5 (0.8%)
OCT	W	3.3 (5.5%)	-0.6 (-1%)
	AN	3 (5%)	-0.2 (-0.4%)
	BN	3.1 (5.2%)	-0.5 (-0.8%)
	D	3.7 (6.3%)	-0.3 (-0.5%)
	C	3.6 (6%)	-0.2 (-0.3%)
	AVG	3.3 (5.6%)	-0.4 (-0.7%)
NOV	W	3.4 (6.4%)	-0.7 (-1.2%)
	AN	3.5 (6.4%)	-0.4 (-0.7%)
	BN	3.2 (6%)	-0.8 (-1.4%)
	D	3.7 (7.1%)	-0.6 (-1.1%)
	C	3.7 (6.9%)	-0.2 (-0.3%)
	AVG	3.5 (6.6%)	-0.6 (-1%)
DEC	W	3.4 (7.2%)	0.1 (0.2%)
	AN	3.6 (7.6%)	-0.7 (-1.4%)
	BN	3.5 (7.6%)	-0.5 (-1%)
	D	3.5 (7.5%)	-0.4 (-0.8%)
	C	3.2 (7%)	-0.3 (-0.7%)
	AVG	3.4 (7.4%)	-0.3 (-0.6%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.7.14 Feather River at the Confluence with the Sacramento River

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 7 Model Scenarios in the Feather River at Confluence with the Sacramento River, Year-Round

Alternative 7: Feather River at the Confluence with the Sacramento River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
JAN	W	47	48	49
	AN	46	48	48
	BN	46	47	47
	D	45	47	47
	C	45	48	48
	AVG	46	48	48
FEB	W	50	52	52
	AN	50	52	52
	BN	50	51	51
	D	50	52	52
	C	51	53	53
	AVG	50	52	52
MAR	W	53	55	55
	AN	54	56	56
	BN	55	57	57
	D	55	57	57
	C	56	58	58
	AVG	55	56	56
APR	W	59	60	60
	AN	60	62	62
	BN	61	62	62
	D	62	64	64
	C	63	65	65
	AVG	61	63	63
MAY	W	65	68	68
	AN	66	69	69
	BN	67	69	69
	D	68	70	71
	C	68	71	71
	AVG	66	69	69
JUN	W	70	73	73
	AN	71	75	74
	BN	72	75	75
	D	73	77	77
	C	72	76	75
	AVG	71	75	75

Alternative 7: Feather River at the Confluence with the Sacramento River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
JUL	W	74	76	77
	AN	72	75	75
	BN	73	76	76
	D	73	76	78
	C	75	79	81
	AVG	73	76	77
AUG	W	73	76	77
	AN	71	74	75
	BN	72	75	75
	D	72	76	78
	C	75	79	78
	AVG	73	76	77
SEP	W	71	70	71
	AN	70	70	71
	BN	70	73	74
	D	70	74	74
	C	70	74	74
	AVG	70	72	73
OCT	W	61	64	64
	AN	62	64	64
	BN	61	64	64
	D	61	64	64
	C	62	65	65
	AVG	61	64	64
NOV	W	52	55	55
	AN	53	56	56
	BN	53	55	55
	D	52	55	55
	C	53	56	56
	AVG	53	55	55
DEC	W	47	49	49
	AN	47	50	49
	BN	46	49	48
	D	46	49	48
	C	45	47	47
	AVG	46	49	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at the Confluence with the Sacramento River, Year-Round

Alternative 7: Feather River at the Confluence with the Sacramento River			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
JAN	W	2 (4.3%)	0.1 (0.3%)
	AN	1.9 (4.1%)	0.1 (0.1%)
	BN	1.9 (4.1%)	0 (0.1%)
	D	2.1 (4.7%)	0 (0%)
	C	2.1 (4.7%)	-0.1 (-0.3%)
	AVG	2 (4.4%)	0 (0.1%)
FEB	W	2 (4%)	0.1 (0.2%)
	AN	2 (3.9%)	0 (0%)
	BN	1.7 (3.5%)	0.1 (0.1%)
	D	1.9 (3.8%)	0 (-0.1%)
	C	2.3 (4.4%)	0.1 (0.2%)
	AVG	2 (3.9%)	0 (0.1%)
MAR	W	1.8 (3.4%)	0.1 (0.2%)
	AN	1.3 (2.4%)	0 (-0.1%)
	BN	1.9 (3.4%)	0 (0%)
	D	1.8 (3.2%)	0 (0.1%)
	C	2.1 (3.7%)	0 (0%)
	AVG	1.8 (3.3%)	0 (0.1%)
APR	W	1.6 (2.8%)	0 (0%)
	AN	1.9 (3.2%)	0 (0%)
	BN	1.7 (2.8%)	0 (0%)
	D	2.1 (3.4%)	0 (0.1%)
	C	2.3 (3.6%)	0 (0.1%)
	AVG	1.9 (3.1%)	0 (0.1%)
MAY	W	3 (4.6%)	0 (0%)
	AN	2.8 (4.2%)	-0.2 (-0.3%)
	BN	2.7 (4.1%)	0.2 (0.2%)
	D	3 (4.4%)	0.3 (0.5%)
	C	2.6 (3.8%)	-0.2 (-0.2%)
	AVG	2.8 (4.3%)	0.1 (0.1%)
JUN	W	3.3 (4.8%)	-0.2 (-0.2%)
	AN	2.8 (3.9%)	-0.5 (-0.7%)
	BN	3.4 (4.7%)	0 (0%)
	D	4.3 (5.8%)	0.5 (0.7%)
	C	2.6 (3.5%)	-0.9 (-1.2%)
	AVG	3.4 (4.7%)	-0.1 (-0.2%)
JUL	W	3.1 (4.2%)	0.5 (0.6%)
	AN	3 (4.2%)	0.3 (0.4%)
	BN	3.4 (4.6%)	0.3 (0.3%)
	D	5.2 (7.1%)	1.9 (2.4%)
	C	6 (8%)	1.5 (1.8%)
	AVG	4 (5.5%)	0.9 (1.1%)

Alternative 7: Feather River at the Confluence with the Sacramento River			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
AUG	W	3.6 (4.9%)	1 (1.3%)
	AN	3.4 (4.8%)	0.7 (0.9%)
	BN	3.4 (4.7%)	0.3 (0.4%)
	D	6.1 (8.5%)	1.4 (1.8%)
	C	3.4 (4.5%)	-1 (-1.2%)
	AVG	4 (5.6%)	0.6 (0.8%)
SEP	W	0.3 (0.4%)	1 (1.4%)
	AN	1.6 (2.3%)	1.7 (2.4%)
	BN	3.4 (4.9%)	0.5 (0.6%)
	D	4.5 (6.4%)	0.1 (0.1%)
	C	3.8 (5.4%)	0.1 (0.2%)
	AVG	2.5 (3.5%)	0.7 (0.9%)
OCT	W	2.9 (4.8%)	-0.2 (-0.3%)
	AN	2.5 (4%)	-0.1 (-0.2%)
	BN	2.7 (4.5%)	-0.2 (-0.3%)
	D	2.9 (4.7%)	-0.2 (-0.3%)
	C	2.9 (4.6%)	-0.4 (-0.6%)
	AVG	2.8 (4.6%)	-0.2 (-0.4%)
NOV	W	2.6 (4.9%)	-0.2 (-0.4%)
	AN	2.7 (5%)	-0.2 (-0.3%)
	BN	2.6 (4.9%)	-0.2 (-0.4%)
	D	2.6 (5.1%)	-0.1 (-0.3%)
	C	2.7 (5%)	-0.1 (-0.2%)
	AVG	2.6 (5%)	-0.2 (-0.3%)
DEC	W	2.1 (4.4%)	0.2 (0.3%)
	AN	2.4 (5.1%)	-0.5 (-1%)
	BN	2.3 (5.1%)	-0.4 (-0.8%)
	D	2.2 (4.7%)	-0.4 (-0.9%)
	C	2.3 (5%)	-0.1 (-0.2%)
	AVG	2.2 (4.8%)	-0.2 (-0.4%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.7.15 American River below Nimbus Dam

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 7 Model Scenarios in the American River below Nimbus Dam, Year-Round

Alternative 7: American River below Nimbus Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
JAN	W	47	50	50
	AN	47	49	50
	BN	46	49	49
	D	47	49	49
	C	47	50	50
	AVG	47	50	50
FEB	W	48	51	51
	AN	48	52	52
	BN	47	51	51
	D	49	52	52
	C	51	54	54
	AVG	48	52	52
MAR	W	52	55	55
	AN	53	56	56
	BN	53	56	56
	D	53	57	56
	C	55	58	58
	AVG	53	56	56
APR	W	56	59	59
	AN	57	60	60
	BN	57	61	61
	D	59	62	62
	C	59	63	63
	AVG	58	60	61
MAY	W	60	64	64
	AN	61	66	66
	BN	61	65	65
	D	64	67	67
	C	64	68	68
	AVG	62	66	66
JUN	W	64	67	66
	AN	65	68	67
	BN	65	68	68
	D	67	69	69
	C	68	72	72
	AVG	66	68	68
JUL	W	66	68	68
	AN	66	66	67
	BN	66	67	67
	D	67	69	68
	C	70	74	74
	AVG	67	69	69

Alternative 7: American River below Nimbus Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
AUG	W	67	70	70
	AN	67	69	70
	BN	67	69	69
	D	67	71	72
	C	70	76	77
	AVG	67	71	71
SEP	W	65	68	68
	AN	66	69	69
	BN	66	69	69
	D	66	71	71
	C	68	73	74
	AVG	66	70	70
OCT	W	58	68	68
	AN	59	68	68
	BN	58	68	68
	D	59	67	67
	C	61	68	68
	AVG	59	68	68
NOV	W	57	61	61
	AN	57	61	61
	BN	56	61	60
	D	57	61	60
	C	58	61	61
	AVG	57	61	61
DEC	W	50	53	53
	AN	51	53	53
	BN	50	52	52
	D	50	53	53
	C	50	52	52
	AVG	50	53	53

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River below Nimbus Dam, Year-Round

Alternative 7: American River below Nimbus Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
JAN	W	3.1 (6.7%)	0 (0%)
	AN	2.7 (5.8%)	0.1 (0.1%)
	BN	3 (6.6%)	0.1 (0.1%)
	D	2.8 (6%)	-0.1 (-0.1%)
	C	2.8 (6.1%)	-0.1 (-0.3%)
	AVG	2.9 (6.3%)	0 (0%)
FEB	W	3.4 (7.2%)	0 (0%)
	AN	3.8 (7.9%)	0 (0%)
	BN	3.3 (7%)	0 (0.1%)
	D	3.3 (6.8%)	-0.1 (-0.2%)
	C	3.5 (7%)	0.3 (0.5%)
	AVG	3.5 (7.1%)	0 (0%)
MAR	W	3.1 (6%)	0 (0%)
	AN	2.9 (5.6%)	0 (0.1%)
	BN	2.7 (5.1%)	0.1 (0.2%)
	D	3.3 (6.2%)	-0.2 (-0.3%)
	C	3.1 (5.7%)	0.2 (0.3%)
	AVG	3.1 (5.8%)	0 (0%)
APR	W	3 (5.3%)	0 (0%)
	AN	3.2 (5.5%)	0 (0%)
	BN	3.1 (5.4%)	0 (0%)
	D	2.7 (4.6%)	0.2 (0.3%)
	C	3.5 (6%)	0.3 (0.5%)
	AVG	3 (5.3%)	0.1 (0.1%)
MAY	W	4.1 (6.9%)	-0.1 (-0.1%)
	AN	4.5 (7.4%)	-0.2 (-0.4%)
	BN	4.1 (6.8%)	0 (0%)
	D	2.8 (4.4%)	-0.2 (-0.3%)
	C	3.5 (5.4%)	-0.2 (-0.3%)
	AVG	3.8 (6.1%)	-0.1 (-0.2%)
JUN	W	2.4 (3.8%)	-0.5 (-0.8%)
	AN	2.1 (3.2%)	-0.7 (-1.1%)
	BN	2.4 (3.7%)	-0.6 (-0.8%)
	D	2.2 (3.2%)	0.3 (0.4%)
	C	4 (5.9%)	-0.3 (-0.3%)
	AVG	2.6 (3.9%)	-0.3 (-0.5%)
JUL	W	1.5 (2.2%)	0 (0%)
	AN	0.8 (1.2%)	0.3 (0.5%)
	BN	1 (1.5%)	-0.1 (-0.2%)
	D	1.6 (2.4%)	-0.6 (-0.9%)
	C	3.7 (5.4%)	-0.6 (-0.9%)
	AVG	1.7 (2.5%)	-0.2 (-0.3%)

Alternative 7: American River below Nimbus Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
AUG	W	3 (4.6%)	-0.1 (-0.2%)
	AN	2.3 (3.5%)	0.3 (0.4%)
	BN	2 (3%)	0.2 (0.3%)
	D	4.4 (6.6%)	0.2 (0.3%)
	C	6.6 (9.4%)	0.3 (0.4%)
	AVG	3.6 (5.3%)	0.1 (0.2%)
SEP	W	2.8 (4.3%)	0.1 (0.2%)
	AN	3.4 (5.1%)	0.3 (0.4%)
	BN	3.3 (4.9%)	0.5 (0.7%)
	D	5 (7.6%)	0 (0%)
	C	5.2 (7.6%)	0.4 (0.5%)
	AVG	3.8 (5.7%)	0.2 (0.3%)
OCT	W	9.4 (16.1%)	0.1 (0.1%)
	AN	8.9 (15%)	0.2 (0.3%)
	BN	9.7 (16.7%)	0 (0%)
	D	8.3 (14%)	0 (0%)
	C	7.4 (12.3%)	0.1 (0.1%)
	AVG	8.8 (15%)	0.1 (0.1%)
NOV	W	3.9 (6.8%)	0 (0.1%)
	AN	3.9 (6.7%)	0 (0%)
	BN	4.3 (7.7%)	-0.1 (-0.1%)
	D	3.7 (6.6%)	-0.1 (-0.2%)
	C	3.3 (5.7%)	-0.3 (-0.5%)
	AVG	3.8 (6.7%)	-0.1 (-0.1%)
DEC	W	2.7 (5.3%)	0.1 (0.1%)
	AN	2.7 (5.4%)	0 (0.1%)
	BN	2.6 (5.3%)	-0.1 (-0.1%)
	D	2.6 (5.2%)	-0.1 (-0.1%)
	C	2.2 (4.3%)	-0.4 (-0.7%)
	AVG	2.6 (5.2%)	-0.1 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.7.16 American River at Watt Avenue

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 7 Model Scenarios in the American River at Watt Avenue, Year-Round

Alternative 7: American River at Watt Avenue				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
JAN	W	47	50	50
	AN	47	49	49
	BN	46	49	49
	D	46	49	49
	C	46	49	49
	AVG	46	49	49
FEB	W	48	52	52
	AN	48	52	52
	BN	48	51	51
	D	49	52	52
	C	51	54	55
	AVG	49	52	52
MAR	W	53	56	56
	AN	53	56	56
	BN	54	56	56
	D	54	57	57
	C	56	58	58
	AVG	54	56	56
APR	W	56	59	59
	AN	58	61	61
	BN	58	61	61
	D	60	63	63
	C	61	64	64
	AVG	58	61	61
MAY	W	61	65	65
	AN	62	67	67
	BN	62	67	66
	D	65	68	68
	C	66	69	69
	AVG	63	67	67
JUN	W	65	68	68
	AN	67	70	69
	BN	67	70	69
	D	69	71	71
	C	69	73	73
	AVG	67	70	70
JUL	W	68	70	70
	AN	67	68	69
	BN	67	69	69
	D	68	71	70
	C	72	76	75
	AVG	68	71	70

Alternative 7: American River at Watt Avenue				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
AUG	W	68	72	72
	AN	69	72	72
	BN	69	72	72
	D	69	73	73
	C	71	77	77
	AVG	69	73	73
SEP	W	66	69	69
	AN	66	70	70
	BN	67	70	71
	D	67	72	72
	C	69	73	74
	AVG	67	71	71
OCT	W	59	67	67
	AN	60	67	67
	BN	59	68	68
	D	60	67	67
	C	61	68	68
	AVG	60	67	67
NOV	W	56	60	60
	AN	56	60	60
	BN	56	60	60
	D	56	59	59
	C	57	60	60
	AVG	56	60	60
DEC	W	50	52	52
	AN	50	52	52
	BN	49	51	51
	D	49	52	52
	C	49	51	51
	AVG	49	52	52

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River at Watt Avenue, Year-Round

Alternative 7: American River at Watt Avenue			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
JAN	W	3.1 (6.7%)	0 (0%)
	AN	2.7 (5.9%)	0.1 (0.1%)
	BN	3 (6.5%)	0.1 (0.1%)
	D	2.7 (5.8%)	-0.1 (-0.1%)
	C	2.8 (6%)	-0.1 (-0.2%)
	AVG	2.9 (6.2%)	0 (0%)
FEB	W	3.4 (7.1%)	0 (0%)
	AN	3.7 (7.7%)	0 (0%)
	BN	3.2 (6.6%)	0 (0%)
	D	3.1 (6.4%)	-0.1 (-0.1%)
	C	3.4 (6.7%)	0.2 (0.3%)
	AVG	3.3 (6.9%)	0 (0%)
MAR	W	3 (5.7%)	0 (0%)
	AN	2.8 (5.4%)	0 (0%)
	BN	2.6 (4.9%)	0 (0.1%)
	D	3.1 (5.6%)	-0.1 (-0.3%)
	C	2.9 (5.2%)	0.2 (0.3%)
	AVG	2.9 (5.4%)	0 (0%)
APR	W	2.8 (5%)	0 (0%)
	AN	3.1 (5.4%)	0 (0%)
	BN	3 (5.2%)	0 (0%)
	D	2.8 (4.6%)	0.2 (0.3%)
	C	3.1 (5%)	0.2 (0.4%)
	AVG	2.9 (5%)	0.1 (0.1%)
MAY	W	4.2 (6.9%)	-0.1 (-0.1%)
	AN	4.6 (7.3%)	-0.3 (-0.4%)
	BN	4.1 (6.5%)	0 (-0.1%)
	D	2.8 (4.3%)	-0.2 (-0.3%)
	C	3.1 (4.7%)	-0.2 (-0.3%)
	AVG	3.7 (6%)	-0.1 (-0.2%)
JUN	W	2.8 (4.3%)	-0.7 (-1%)
	AN	2.1 (3.2%)	-0.8 (-1.1%)
	BN	2.5 (3.7%)	-0.6 (-0.9%)
	D	2.5 (3.7%)	0.2 (0.3%)
	C	3.8 (5.4%)	-0.2 (-0.2%)
	AVG	2.7 (4.1%)	-0.4 (-0.6%)
JUL	W	2.1 (3.1%)	0.1 (0.1%)
	AN	1.2 (1.8%)	0.4 (0.6%)
	BN	1.5 (2.3%)	-0.2 (-0.2%)
	D	2.2 (3.2%)	-0.7 (-1%)
	C	3.1 (4.4%)	-0.8 (-1%)
	AVG	2.1 (3%)	-0.2 (-0.3%)

Alternative 7: American River at Watt Avenue			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
AUG	W	4 (5.9%)	-0.1 (-0.1%)
	AN	3.1 (4.6%)	0.2 (0.3%)
	BN	2.8 (4%)	0.2 (0.3%)
	D	4.8 (7%)	0.2 (0.3%)
	C	5.8 (8.1%)	0.3 (0.4%)
	AVG	4.1 (6%)	0.1 (0.2%)
SEP	W	3.2 (4.8%)	0.2 (0.3%)
	AN	3.7 (5.6%)	0.3 (0.4%)
	BN	3.8 (5.8%)	0.5 (0.8%)
	D	4.8 (7.1%)	0 (-0.1%)
	C	4.5 (6.6%)	0.2 (0.3%)
	AVG	3.9 (5.8%)	0.2 (0.3%)
OCT	W	7.8 (13.2%)	0.1 (0.1%)
	AN	7.6 (12.6%)	0.1 (0.1%)
	BN	8.2 (13.8%)	-0.1 (-0.1%)
	D	6.8 (11.4%)	0 (0%)
	C	6.3 (10.2%)	0.1 (0.1%)
	AVG	7.4 (12.4%)	0 (0%)
NOV	W	3.6 (6.3%)	0 (0%)
	AN	3.6 (6.4%)	0 (0%)
	BN	3.9 (7.1%)	-0.1 (-0.1%)
	D	3.4 (6.1%)	0 (-0.1%)
	C	3.1 (5.5%)	-0.3 (-0.4%)
	AVG	3.5 (6.3%)	-0.1 (-0.1%)
DEC	W	2.5 (5.1%)	0.1 (0.1%)
	AN	2.6 (5.2%)	0 (0.1%)
	BN	2.6 (5.2%)	-0.1 (-0.1%)
	D	2.4 (5%)	0 (0%)
	C	2 (4%)	-0.3 (-0.7%)
	AVG	2.4 (5%)	0 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.7.17 American River at the Confluence with the Sacramento River

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 7 Model Scenarios in the American River at the Confluence with the Sacramento River, Year-Round

Alternative 7: American River at the Confluence with the Sacramento River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
JAN	W	47	50	50
	AN	46	49	49
	BN	46	48	48
	D	46	48	48
	C	46	49	49
	AVG	46	49	49
FEB	W	48	52	52
	AN	48	52	52
	BN	48	51	51
	D	49	52	52
	C	51	55	55
	AVG	49	52	52
MAR	W	53	56	56
	AN	53	56	56
	BN	54	56	56
	D	55	58	57
	C	56	59	59
	AVG	54	57	57
APR	W	57	60	60
	AN	58	61	61
	BN	59	62	62
	D	61	63	63
	C	62	64	64
	AVG	59	62	62
MAY	W	61	66	66
	AN	63	68	68
	BN	63	67	67
	D	66	69	69
	C	67	70	69
	AVG	64	67	67
JUN	W	65	69	68
	AN	68	71	70
	BN	68	71	70
	D	70	72	72
	C	70	74	74
	AVG	68	71	71

Alternative 7: American River at the Confluence with the Sacramento River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
JUL	W	69	71	71
	AN	68	69	69
	BN	68	70	70
	D	69	72	72
	C	73	76	76
	AVG	69	72	71
AUG	W	69	73	73
	AN	69	73	73
	BN	70	73	73
	D	69	74	74
	C	72	77	77
	AVG	70	74	74
SEP	W	66	69	70
	AN	67	70	71
	BN	67	71	72
	D	68	72	72
	C	69	74	74
	AVG	67	71	71
OCT	W	60	67	67
	AN	60	67	67
	BN	60	67	67
	D	60	66	66
	C	62	67	67
	AVG	60	67	67
NOV	W	56	60	60
	AN	56	60	60
	BN	55	59	59
	D	56	59	59
	C	57	60	60
	AVG	56	59	59
DEC	W	49	52	52
	AN	49	52	52
	BN	48	51	51
	D	49	51	51
	C	48	50	50
	AVG	49	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River at the Confluence with the Sacramento River, Year-Round

Alternative 7: American River at the Confluence with the Sacramento River			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
JAN	W	3.1 (6.7%)	0 (0%)
	AN	2.8 (6%)	0.1 (0.1%)
	BN	2.9 (6.4%)	0.1 (0.1%)
	D	2.6 (5.6%)	-0.1 (-0.2%)
	C	2.8 (6.1%)	-0.1 (-0.2%)
	AVG	2.9 (6.2%)	0 (0%)
FEB	W	3.4 (7%)	0 (0%)
	AN	3.7 (7.6%)	0 (0.1%)
	BN	3.1 (6.5%)	0 (0%)
	D	3 (6.2%)	-0.1 (-0.2%)
	C	3.3 (6.5%)	0.1 (0.3%)
	AVG	3.3 (6.7%)	0 (0%)
MAR	W	2.9 (5.5%)	0 (0%)
	AN	2.8 (5.3%)	0 (0%)
	BN	2.5 (4.7%)	0 (0.1%)
	D	3 (5.4%)	-0.1 (-0.2%)
	C	2.7 (4.8%)	0.2 (0.3%)
	AVG	2.8 (5.2%)	0 (0%)
APR	W	2.8 (4.9%)	0 (0%)
	AN	3 (5.2%)	0 (0%)
	BN	3 (5%)	0 (0%)
	D	2.8 (4.6%)	0.2 (0.4%)
	C	2.8 (4.6%)	0.2 (0.3%)
	AVG	2.9 (4.9%)	0.1 (0.1%)
MAY	W	4.3 (7%)	-0.1 (-0.1%)
	AN	4.6 (7.3%)	-0.3 (-0.4%)
	BN	4 (6.4%)	0 (-0.1%)
	D	2.8 (4.3%)	-0.2 (-0.2%)
	C	2.9 (4.4%)	-0.3 (-0.4%)
	AVG	3.7 (5.9%)	-0.1 (-0.2%)
JUN	W	3 (4.5%)	-0.7 (-1%)
	AN	2.2 (3.2%)	-0.8 (-1.2%)
	BN	2.5 (3.7%)	-0.6 (-0.9%)
	D	2.7 (3.9%)	0.2 (0.3%)
	C	3.7 (5.4%)	-0.1 (-0.2%)
	AVG	2.8 (4.2%)	-0.4 (-0.6%)
JUL	W	2.4 (3.6%)	0.1 (0.2%)
	AN	1.5 (2.2%)	0.4 (0.6%)
	BN	1.9 (2.7%)	-0.2 (-0.2%)
	D	2.4 (3.5%)	-0.7 (-1%)
	C	3 (4.2%)	-0.7 (-0.9%)
	AVG	2.3 (3.3%)	-0.2 (-0.3%)

Alternative 7: American River at the Confluence with the Sacramento River			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
AUG	W	4.5 (6.5%)	-0.1 (-0.1%)
	AN	3.5 (5.1%)	0.2 (0.3%)
	BN	3.1 (4.4%)	0.2 (0.3%)
	D	4.9 (7.1%)	0.2 (0.3%)
	C	5.4 (7.5%)	0.3 (0.4%)
	AVG	4.4 (6.2%)	0.1 (0.2%)
SEP	W	3.4 (5.1%)	0.3 (0.4%)
	AN	3.9 (5.8%)	0.2 (0.3%)
	BN	4.1 (6.1%)	0.5 (0.7%)
	D	4.6 (6.8%)	-0.1 (-0.1%)
	C	4.2 (6.1%)	0.1 (0.1%)
	AVG	4 (5.9%)	0.2 (0.3%)
OCT	W	7 (11.8%)	0.1 (0.1%)
	AN	6.9 (11.4%)	0 (0.1%)
	BN	7.4 (12.3%)	-0.1 (-0.1%)
	D	6.1 (10.1%)	0 (0%)
	C	5.6 (9.1%)	0.1 (0.1%)
	AVG	6.6 (11%)	0 (0%)
NOV	W	3.4 (6.1%)	0 (-0.1%)
	AN	3.5 (6.2%)	0 (0%)
	BN	3.7 (6.7%)	-0.1 (-0.2%)
	D	3.2 (5.8%)	0 (0%)
	C	3 (5.3%)	-0.2 (-0.4%)
	AVG	3.4 (6%)	-0.1 (-0.1%)
DEC	W	2.5 (5.1%)	0.1 (0.1%)
	AN	2.6 (5.2%)	0.1 (0.1%)
	BN	2.5 (5.2%)	-0.1 (-0.2%)
	D	2.3 (4.8%)	0 (0%)
	C	1.9 (3.9%)	-0.3 (-0.6%)
	AVG	2.4 (4.9%)	0 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.7.18 Stanislaus River at Knights Ferry

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 7 Model Scenarios in the Stanislaus River at Knights Ferry, Year-Round

Alternative 7: Stanislaus River at Knights Ferry				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
JAN	W	49	52	52
	AN	49	52	52
	BN	49	52	52
	D	48	51	51
	C	49	52	52
	AVG	49	52	52
FEB	W	49	52	52
	AN	49	52	52
	BN	49	52	52
	D	49	52	52
	C	50	53	53
	AVG	49	52	52
MAR	W	49	52	52
	AN	49	53	53
	BN	51	54	54
	D	51	54	54
	C	52	55	55
	AVG	50	54	54
APR	W	50	53	53
	AN	50	54	54
	BN	51	55	55
	D	52	55	55
	C	53	57	57
	AVG	51	54	54
MAY	W	51	55	54
	AN	53	56	56
	BN	54	57	57
	D	55	58	58
	C	56	59	59
	AVG	53	57	57
JUN	W	54	56	56
	AN	56	59	59
	BN	58	61	61
	D	59	63	62
	C	60	64	63
	AVG	57	60	60
JUL	W	57	59	59
	AN	59	62	62
	BN	60	63	63
	D	61	65	64
	C	62	66	66
	AVG	59	63	63

Alternative 7: Stanislaus River at Knights Ferry				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
AUG	W	58	61	61
	AN	60	63	63
	BN	60	64	64
	D	61	65	65
	C	62	67	66
	AVG	60	64	63
SEP	W	59	62	62
	AN	60	64	64
	BN	61	64	64
	D	62	65	65
	C	63	67	67
	AVG	61	64	64
OCT	W	59	62	62
	AN	59	62	62
	BN	59	62	62
	D	58	62	62
	C	60	64	64
	AVG	59	63	63
NOV	W	56	59	59
	AN	56	59	59
	BN	56	59	59
	D	56	59	59
	C	57	61	61
	AVG	56	60	60
DEC	W	52	55	55
	AN	52	55	55
	BN	51	54	54
	D	51	54	54
	C	52	55	55
	AVG	51	55	55

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Knights Ferry, Year-Round

Alternative 7: Stanislaus River at Knights Ferry			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
JAN	W	3.1 (6.3%)	0 (0%)
	AN	3.1 (6.4%)	0 (0%)
	BN	3.1 (6.4%)	0 (0%)
	D	3 (6.3%)	0 (0%)
	C	3 (6.2%)	0 (0%)
	AVG	3.1 (6.3%)	0 (0%)
FEB	W	3.1 (6.4%)	0 (0%)
	AN	3.2 (6.5%)	0 (0%)
	BN	3 (6.2%)	0 (0%)
	D	3.2 (6.5%)	0 (0%)
	C	3.1 (6.2%)	0 (0%)
	AVG	3.1 (6.4%)	0 (0%)
MAR	W	3.2 (6.5%)	0 (0%)
	AN	3.6 (7.3%)	0 (0%)
	BN	3.1 (6.1%)	0 (0%)
	D	3.3 (6.5%)	0 (0%)
	C	3 (5.8%)	0 (0%)
	AVG	3.2 (6.5%)	0 (0%)
APR	W	3.1 (6.2%)	0 (0%)
	AN	3.3 (6.7%)	0.1 (0.1%)
	BN	3.4 (6.7%)	0 (0%)
	D	3.5 (6.7%)	0 (0%)
	C	3.6 (6.6%)	0 (0%)
	AVG	3.3 (6.5%)	0 (0%)
MAY	W	3 (5.9%)	0 (0%)
	AN	3.2 (6%)	0 (0.1%)
	BN	3.5 (6.5%)	0 (0%)
	D	3.4 (6.2%)	0 (0%)
	C	3.3 (5.9%)	0 (0%)
	AVG	3.2 (6.1%)	0 (0%)
JUN	W	2.6 (4.8%)	0 (-0.1%)
	AN	3.4 (6.1%)	0.1 (0.1%)
	BN	3.5 (6.1%)	-0.1 (-0.2%)
	D	3.5 (5.9%)	-0.3 (-0.5%)
	C	3.8 (6.4%)	-0.3 (-0.5%)
	AVG	3.3 (5.8%)	-0.1 (-0.2%)
JUL	W	2.5 (4.4%)	0 (0%)
	AN	3.4 (5.7%)	0 (0%)
	BN	3.4 (5.7%)	-0.1 (-0.1%)
	D	3.6 (5.9%)	-0.2 (-0.2%)
	C	4.1 (6.7%)	0 (0%)
	AVG	3.3 (5.6%)	0 (-0.1%)

Alternative 7: Stanislaus River at Knights Ferry			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
AUG	W	3.4 (5.8%)	0 (0%)
	AN	3.4 (5.7%)	0 (0%)
	BN	3.4 (5.7%)	-0.1 (-0.1%)
	D	3.4 (5.6%)	-0.1 (-0.2%)
	C	3.9 (6.3%)	-0.4 (-0.6%)
	AVG	3.5 (5.8%)	-0.1 (-0.2%)
SEP	W	3.5 (6%)	0 (0%)
	AN	3.6 (6%)	0 (0%)
	BN	3.6 (5.9%)	0 (0%)
	D	3.7 (5.9%)	0 (0%)
	C	3.9 (6.2%)	0 (0%)
	AVG	3.6 (6%)	0 (0%)
OCT	W	3.5 (5.9%)	0 (0%)
	AN	3.1 (5.3%)	0.1 (0.2%)
	BN	3.3 (5.7%)	0 (0%)
	D	3.5 (5.9%)	0 (0%)
	C	3.8 (6.3%)	0.1 (0.1%)
	AVG	3.5 (5.8%)	0.1 (0.1%)
NOV	W	3.3 (5.8%)	0 (0%)
	AN	3.2 (5.7%)	0.1 (0.2%)
	BN	3.3 (5.9%)	0 (0%)
	D	3.4 (6.1%)	0 (0%)
	C	3.5 (6.1%)	0 (0%)
	AVG	3.3 (5.9%)	0 (0%)
DEC	W	3.3 (6.4%)	0 (-0.1%)
	AN	3.1 (6%)	0 (0.1%)
	BN	3.3 (6.4%)	0 (0%)
	D	3.2 (6.2%)	0 (0%)
	C	3.3 (6.4%)	0 (0%)
	AVG	3.2 (6.3%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.7.19 Stanislaus River at Orange Blossom Bridge

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 7 Model Scenarios in the Stanislaus River at Orange Blossom Bridge, Year-Round

Alternative 7: Stanislaus River at Orange Blossom Bridge				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
JAN	W	48	51	51
	AN	48	51	51
	BN	48	51	51
	D	47	50	50
	C	48	51	51
	AVG	48	51	51
FEB	W	49	52	52
	AN	49	52	52
	BN	49	52	52
	D	49	52	52
	C	50	53	53
	AVG	49	52	52
MAR	W	49	53	53
	AN	50	54	54
	BN	52	55	55
	D	52	56	56
	C	53	56	56
	AVG	51	54	54
APR	W	50	53	53
	AN	51	54	54
	BN	52	56	56
	D	53	56	56
	C	55	58	58
	AVG	52	55	55
MAY	W	53	56	56
	AN	54	57	57
	BN	55	59	59
	D	56	60	60
	C	58	61	61
	AVG	55	58	58
JUN	W	56	58	58
	AN	58	62	62
	BN	60	64	64
	D	62	66	65
	C	63	67	66
	AVG	59	63	62
JUL	W	60	62	62
	AN	63	66	66
	BN	63	67	67
	D	64	68	68
	C	65	69	69
	AVG	63	66	66

Alternative 7: Stanislaus River at Orange Blossom Bridge				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
AUG	W	60	64	64
	AN	63	66	66
	BN	63	66	66
	D	64	68	67
	C	65	69	68
	AVG	63	66	66
SEP	W	60	64	64
	AN	63	66	66
	BN	63	67	67
	D	63	67	67
	C	64	68	68
	AVG	62	66	66
OCT	W	59	62	62
	AN	59	62	62
	BN	59	62	62
	D	59	62	62
	C	60	64	64
	AVG	59	62	63
NOV	W	55	58	58
	AN	55	58	58
	BN	55	58	58
	D	55	58	58
	C	56	59	59
	AVG	55	58	58
DEC	W	50	54	53
	AN	50	53	53
	BN	49	53	53
	D	50	52	52
	C	50	53	53
	AVG	50	53	53

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Orange Blossom Bridge, Year-Round

Alternative 7: Stanislaus River at Orange Blossom Bridge			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
JAN	W	3 (6.2%)	0 (0%)
	AN	3 (6.3%)	0 (0%)
	BN	2.9 (6.1%)	0 (0%)
	D	2.8 (5.9%)	0 (0%)
	C	2.8 (5.8%)	0 (0%)
	AVG	2.9 (6.1%)	0 (0%)
FEB	W	3.1 (6.3%)	0 (0%)
	AN	3.1 (6.3%)	0 (0%)
	BN	3 (6%)	0 (0%)
	D	3.2 (6.5%)	0 (0%)
	C	3.2 (6.3%)	0 (0%)
	AVG	3.1 (6.3%)	0 (0%)
MAR	W	3.2 (6.4%)	0 (0%)
	AN	3.7 (7.3%)	0 (0%)
	BN	3 (5.8%)	0 (0%)
	D	3.4 (6.5%)	0 (-0.1%)
	C	3.1 (5.8%)	0 (0%)
	AVG	3.3 (6.4%)	0 (0%)
APR	W	3.1 (6.1%)	0 (0%)
	AN	3.4 (6.6%)	0.1 (0.1%)
	BN	3.5 (6.7%)	0 (0%)
	D	3.6 (6.8%)	0 (0%)
	C	3.6 (6.6%)	0 (0%)
	AVG	3.4 (6.5%)	0 (0%)
MAY	W	3.2 (6%)	0 (0%)
	AN	3.3 (6.2%)	0.1 (0.1%)
	BN	3.9 (7.1%)	0 (0%)
	D	3.6 (6.4%)	0 (0%)
	C	3.4 (6%)	0 (0%)
	AVG	3.4 (6.3%)	0 (0%)
JUN	W	2.3 (4.1%)	0 (-0.1%)
	AN	3.9 (6.8%)	0.1 (0.2%)
	BN	3.5 (5.8%)	-0.4 (-0.6%)
	D	3.4 (5.5%)	-0.9 (-1.3%)
	C	3.6 (5.8%)	-0.5 (-0.7%)
	AVG	3.2 (5.4%)	-0.3 (-0.5%)
JUL	W	2.1 (3.5%)	0 (0%)
	AN	3.5 (5.7%)	0 (0%)
	BN	3.5 (5.5%)	-0.1 (-0.1%)
	D	3.8 (5.9%)	0 (0%)
	C	4 (6.2%)	0 (0%)
	AVG	3.2 (5.2%)	0 (0%)

Alternative 7: Stanislaus River at Orange Blossom Bridge			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
AUG	W	3.9 (6.4%)	0 (0%)
	AN	3.5 (5.7%)	0 (0%)
	BN	3.4 (5.5%)	0 (0%)
	D	3.4 (5.4%)	-0.1 (-0.1%)
	C	4 (6.1%)	-0.2 (-0.3%)
	AVG	3.7 (5.9%)	-0.1 (-0.1%)
SEP	W	3.8 (6.3%)	0 (0%)
	AN	3.9 (6.2%)	0 (0%)
	BN	3.8 (6%)	0 (0%)
	D	3.7 (5.9%)	0 (0%)
	C	3.9 (6.1%)	0 (0%)
	AVG	3.8 (6.1%)	0 (0%)
OCT	W	3.4 (5.7%)	0.1 (0.1%)
	AN	3.1 (5.3%)	0.1 (0.1%)
	BN	3.2 (5.4%)	0 (0%)
	D	3.4 (5.7%)	0 (0%)
	C	3.6 (6%)	0 (0.1%)
	AVG	3.3 (5.6%)	0 (0.1%)
NOV	W	3.1 (5.7%)	0 (0%)
	AN	3.1 (5.6%)	0.1 (0.1%)
	BN	3.2 (5.8%)	0 (0%)
	D	3.2 (5.9%)	0 (0%)
	C	3.2 (5.8%)	0 (0%)
	AVG	3.2 (5.7%)	0 (0%)
DEC	W	3.1 (6.2%)	-0.1 (-0.1%)
	AN	3 (5.9%)	0 (0%)
	BN	3.3 (6.6%)	0 (0%)
	D	3 (6%)	0 (0%)
	C	3.1 (6.2%)	0 (0%)
	AVG	3.1 (6.2%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.7.20 Stanislaus River at Riverbank

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 7 Model Scenarios in the Stanislaus River at Riverbank, Year-Round

Alternative 7: Stanislaus River at Riverbank				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
JAN	W	47	50	50
	AN	47	49	49
	BN	46	49	49
	D	45	48	48
	C	46	49	49
	AVG	46	49	49
FEB	W	49	52	52
	AN	50	53	53
	BN	50	52	52
	D	50	53	53
	C	51	54	54
	AVG	50	53	53
MAR	W	51	54	54
	AN	52	55	55
	BN	53	56	56
	D	54	57	57
	C	54	57	57
	AVG	52	56	56
APR	W	52	55	55
	AN	53	56	56
	BN	54	57	57
	D	54	58	58
	C	57	60	60
	AVG	54	57	57
MAY	W	56	59	59
	AN	57	60	60
	BN	58	62	62
	D	59	62	62
	C	60	64	64
	AVG	58	61	61
JUN	W	60	62	62
	AN	62	66	66
	BN	64	68	68
	D	66	70	69
	C	66	70	69
	AVG	63	67	66
JUL	W	65	67	67
	AN	68	71	71
	BN	68	71	71
	D	68	72	72
	C	68	72	72
	AVG	67	70	70

Alternative 7: Stanislaus River at Riverbank				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
AUG	W	65	69	69
	AN	67	70	70
	BN	67	70	70
	D	68	71	71
	C	67	71	71
	AVG	66	70	70
SEP	W	64	67	67
	AN	66	70	70
	BN	66	69	69
	D	66	70	70
	C	66	70	70
	AVG	65	69	69
OCT	W	59	63	63
	AN	59	62	62
	BN	59	62	62
	D	59	62	62
	C	61	64	64
	AVG	60	63	63
NOV	W	53	56	56
	AN	53	56	56
	BN	53	56	56
	D	53	56	56
	C	54	57	57
	AVG	53	56	56
DEC	W	48	51	51
	AN	48	50	50
	BN	47	50	50
	D	47	50	50
	C	47	50	50
	AVG	47	50	50

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Riverbank, Year-Round

Alternative 7: Stanislaus River at Riverbank			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
JAN	W	2.9 (6.3%)	0 (0%)
	AN	3 (6.4%)	0 (0%)
	BN	2.8 (6%)	0 (0%)
	D	2.5 (5.6%)	0 (0%)
	C	2.7 (5.8%)	0 (0%)
	AVG	2.8 (6.1%)	0 (0%)
FEB	W	2.9 (6%)	0 (0%)
	AN	2.9 (5.8%)	0 (0%)
	BN	2.7 (5.5%)	0 (0%)
	D	3 (6.1%)	0 (0%)
	C	3.1 (6%)	0 (0%)
	AVG	2.9 (5.9%)	0 (0%)
MAR	W	3 (5.9%)	0 (0%)
	AN	3.6 (7%)	0 (0%)
	BN	2.8 (5.3%)	0 (0%)
	D	3.4 (6.3%)	0 (-0.1%)
	C	3 (5.6%)	0 (0%)
	AVG	3.2 (6%)	0 (0%)
APR	W	3 (5.7%)	0 (0%)
	AN	3.3 (6.2%)	0.1 (0.1%)
	BN	3.6 (6.6%)	0 (0%)
	D	3.6 (6.7%)	0 (0%)
	C	3.6 (6.3%)	0 (0%)
	AVG	3.4 (6.2%)	0 (0%)
MAY	W	3.2 (5.8%)	0 (0%)
	AN	3.5 (6.2%)	0.1 (0.2%)
	BN	4.2 (7.3%)	0 (0%)
	D	3.8 (6.6%)	-0.1 (-0.1%)
	C	3.4 (5.7%)	0 (0%)
	AVG	3.6 (6.2%)	0 (0%)
JUN	W	2 (3.3%)	-0.1 (-0.1%)
	AN	4 (6.5%)	0.1 (0.1%)
	BN	3.3 (5.1%)	-0.4 (-0.5%)
	D	3.2 (4.8%)	-0.8 (-1.2%)
	C	3.2 (4.8%)	-0.5 (-0.7%)
	AVG	3 (4.8%)	-0.3 (-0.4%)
JUL	W	1.9 (2.8%)	0 (0%)
	AN	3.3 (4.8%)	0 (0%)
	BN	3.1 (4.5%)	0 (0%)
	D	3.6 (5.3%)	0.1 (0.1%)
	C	3.6 (5.2%)	0 (0.1%)
	AVG	2.9 (4.4%)	0 (0%)

Alternative 7: Stanislaus River at Riverbank			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
AUG	W	4.1 (6.4%)	0 (0%)
	AN	3.4 (5.1%)	0 (0%)
	BN	3.2 (4.8%)	0 (0%)
	D	3.2 (4.8%)	0 (-0.1%)
	C	3.7 (5.6%)	0 (-0.1%)
	AVG	3.6 (5.5%)	0 (0%)
SEP	W	3.9 (6.2%)	0 (0%)
	AN	3.9 (5.9%)	0 (0%)
	BN	3.7 (5.7%)	0 (0%)
	D	3.7 (5.6%)	0 (0%)
	C	3.7 (5.6%)	-0.1 (-0.1%)
	AVG	3.8 (5.9%)	0 (0%)
OCT	W	3.1 (5.3%)	0 (0%)
	AN	3 (5%)	0 (0.1%)
	BN	2.9 (5%)	0 (0%)
	D	3.1 (5.2%)	0 (0%)
	C	3.3 (5.5%)	0 (0%)
	AVG	3.1 (5.2%)	0 (0%)
NOV	W	3.1 (5.7%)	0 (0%)
	AN	3.1 (5.9%)	0 (0%)
	BN	3.1 (5.8%)	0 (0%)
	D	3.1 (5.8%)	0 (0%)
	C	3 (5.6%)	0 (0%)
	AVG	3.1 (5.8%)	0 (0%)
DEC	W	3 (6.3%)	-0.1 (-0.2%)
	AN	2.9 (6.1%)	0 (0%)
	BN	3.3 (7%)	0 (0%)
	D	2.8 (5.9%)	0 (0%)
	C	2.9 (6.2%)	0 (0%)
	AVG	3 (6.3%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.7.21 Stanislaus River at the Confluence with the San Joaquin River

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 7 Model Scenarios in the Stanislaus River at the Confluence with the San Joaquin River, Year-Round

Alternative 7: Stanislaus River at the Confluence with the San Joaquin River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
JAN	W	46	49	49
	AN	46	49	49
	BN	46	49	49
	D	45	47	47
	C	45	48	48
	AVG	46	48	48
FEB	W	50	53	53
	AN	50	53	53
	BN	50	52	52
	D	50	53	53
	C	51	54	54
	AVG	50	53	53
MAR	W	52	55	55
	AN	53	56	56
	BN	54	57	57
	D	55	58	58
	C	55	58	58
	AVG	54	56	56
APR	W	54	57	57
	AN	55	58	58
	BN	56	60	60
	D	57	60	60
	C	59	62	62
	AVG	56	59	59
MAY	W	59	62	62
	AN	60	63	64
	BN	60	64	64
	D	61	65	65
	C	63	66	66
	AVG	60	64	64
JUN	W	62	65	65
	AN	65	69	69
	BN	66	70	69
	D	68	72	71
	C	68	71	71
	AVG	65	69	68

Alternative 7: Stanislaus River at the Confluence with the San Joaquin River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A7_LLT**
JUL	W	68	70	70
	AN	70	73	73
	BN	70	73	73
	D	70	74	74
	C	70	73	73
	AVG	69	72	72
AUG	W	67	71	71
	AN	69	72	72
	BN	68	71	71
	D	69	72	72
	C	69	72	72
	AVG	68	72	72
SEP	W	65	69	69
	AN	67	71	71
	BN	67	70	70
	D	67	70	70
	C	67	70	70
	AVG	66	70	70
OCT	W	60	63	63
	AN	60	62	62
	BN	59	62	62
	D	59	62	62
	C	61	64	64
	AVG	60	63	63
NOV	W	53	56	56
	AN	52	55	55
	BN	52	55	55
	D	52	55	55
	C	53	56	56
	AVG	52	55	56
DEC	W	47	50	50
	AN	46	49	49
	BN	45	49	49
	D	45	48	48
	C	45	48	48
	AVG	46	49	49

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at the Confluence with the San Joaquin River, Year-Round

Alternative 7: Stanislaus River at the Confluence with the San Joaquin River			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
JAN	W	2.9 (6.3%)	0 (0%)
	AN	2.9 (6.4%)	0 (0%)
	BN	2.8 (6.1%)	0 (0%)
	D	2.5 (5.7%)	0 (0%)
	C	2.8 (6.1%)	0 (0%)
	AVG	2.8 (6.2%)	0 (0%)
FEB	W	2.9 (5.7%)	0 (0%)
	AN	2.8 (5.6%)	0 (0%)
	BN	2.6 (5.2%)	0 (0%)
	D	2.8 (5.6%)	0 (0%)
	C	2.9 (5.6%)	0 (0%)
	AVG	2.8 (5.6%)	0 (0%)
MAR	W	2.9 (5.5%)	0 (0%)
	AN	3.3 (6.3%)	0 (0%)
	BN	2.6 (4.9%)	0 (0%)
	D	3.2 (5.7%)	0 (0%)
	C	2.8 (5.1%)	0 (0%)
	AVG	3 (5.5%)	0 (0%)
APR	W	2.8 (5.2%)	0 (0%)
	AN	3.2 (5.7%)	0.1 (0.1%)
	BN	3.4 (6.1%)	0 (0%)
	D	3.5 (6.1%)	0 (0%)
	C	3.2 (5.5%)	0 (0%)
	AVG	3.2 (5.7%)	0 (0%)
MAY	W	3.2 (5.4%)	0 (0%)
	AN	3.5 (5.8%)	0.1 (0.1%)
	BN	4 (6.7%)	0 (0%)
	D	3.7 (5.9%)	0 (0%)
	C	3.2 (5.1%)	0 (0%)
	AVG	3.4 (5.7%)	0 (0%)
JUN	W	2.2 (3.5%)	-0.1 (-0.1%)
	AN	3.8 (5.9%)	0.1 (0.1%)
	BN	3.1 (4.8%)	-0.2 (-0.3%)
	D	3 (4.4%)	-0.4 (-0.6%)
	C	3 (4.4%)	-0.3 (-0.4%)
	AVG	2.9 (4.5%)	-0.2 (-0.2%)
JUL	W	2.3 (3.4%)	0 (0%)
	AN	3 (4.2%)	0 (0%)
	BN	2.8 (4%)	0 (0%)
	D	3.2 (4.6%)	0 (0%)
	C	3.2 (4.5%)	0 (0%)
	AVG	2.8 (4.1%)	0 (0%)

Alternative 7: Stanislaus River at the Confluence with the San Joaquin River			
Month	**WYT**	**EXISTING CONDITIONS vs. A7_LLT**	**NAA vs. A7_LLT**
AUG	W	4.1 (6.1%)	0 (0%)
	AN	3.2 (4.7%)	0 (0%)
	BN	3.1 (4.5%)	0 (0%)
	D	3.1 (4.5%)	0 (0%)
	C	3.6 (5.2%)	0 (0%)
	AVG	3.5 (5.1%)	0 (0%)
SEP	W	3.9 (6%)	0 (0%)
	AN	3.8 (5.6%)	0 (0%)
	BN	3.7 (5.5%)	0 (0%)
	D	3.7 (5.5%)	0 (0%)
	C	3.5 (5.3%)	-0.1 (-0.2%)
	AVG	3.7 (5.6%)	0 (0%)
OCT	W	3 (5%)	0 (0%)
	AN	2.9 (4.8%)	0 (0%)
	BN	2.7 (4.5%)	0 (0%)
	D	2.9 (4.9%)	0 (0%)
	C	3.2 (5.3%)	0 (0%)
	AVG	3 (4.9%)	0 (0%)
NOV	W	3 (5.8%)	0 (0%)
	AN	3.2 (6%)	0 (0%)
	BN	3.1 (5.9%)	0 (0%)
	D	3.1 (5.9%)	0 (0%)
	C	3 (5.6%)	0 (0%)
	AVG	3.1 (5.8%)	0 (0%)
DEC	W	3 (6.4%)	-0.1 (-0.1%)
	AN	2.9 (6.2%)	0 (0%)
	BN	3.2 (7.1%)	0 (0%)
	D	2.8 (6.1%)	0 (0%)
	C	2.9 (6.4%)	0 (0%)
	AVG	3 (6.4%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.8 Alternative 8

11D.8.1 Sacramento River at Keswick

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 8 Model Scenarios in the Sacramento River at Keswick, Year-Round

Alternative 8: Sacramento River at Keswick				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
JAN	W	46	47	47
	AN	46	48	48
	BN	47	48	48
	D	47	48	48
	C	47	48	49
	AVG	46	48	48
FEB	W	45	47	47
	AN	46	47	47
	BN	46	47	47
	D	46	48	48
	C	46	48	48
	AVG	46	47	47
MAR	W	46	47	48
	AN	46	48	48
	BN	47	48	48
	D	47	49	49
	C	48	50	50
	AVG	47	48	48
APR	W	47	49	49
	AN	48	50	50
	BN	48	50	50
	D	48	50	50
	C	49	51	51
	AVG	48	50	50
MAY	W	49	50	50
	AN	49	51	50
	BN	49	51	51
	D	49	51	51
	C	51	53	53
	AVG	49	51	51
JUN	W	50	51	51
	AN	50	51	51
	BN	50	51	52
	D	50	52	53
	C	53	55	55
	AVG	50	52	52

Alternative 8: Sacramento River at Keswick				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
JUL	W	51	52	53
	AN	51	52	53
	BN	51	52	53
	D	51	54	54
	C	54	59	59
	AVG	51	53	54
AUG	W	52	54	55
	AN	52	54	55
	BN	52	54	55
	D	53	56	56
	C	57	64	64
	AVG	53	56	57
SEP	W	53	55	55
	AN	54	56	56
	BN	54	56	57
	D	55	59	59
	C	60	66	66
	AVG	55	58	58
OCT	W	54	57	56
	AN	54	57	57
	BN	54	57	57
	D	55	58	58
	C	56	60	60
	AVG	54	58	57
NOV	W	53	55	55
	AN	52	55	54
	BN	53	55	55
	D	53	56	55
	C	54	56	56
	AVG	53	55	55
DEC	W	49	50	50
	AN	49	51	51
	BN	50	52	52
	D	50	52	52
	C	51	52	52
	AVG	50	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Keswick, Year-Round

Alternative 8: Sacramento River at Keswick			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
JAN	W	1.4 (3.1%)	0.1 (0.2%)
	AN	1.4 (3%)	0 (-0.1%)
	BN	1.7 (3.6%)	0 (0%)
	D	1.6 (3.4%)	0 (0%)
	C	2 (4.2%)	0.2 (0.3%)
	AVG	1.6 (3.4%)	0 (0.1%)
FEB	W	1.6 (3.6%)	0.1 (0.2%)
	AN	1.7 (3.8%)	0.1 (0.3%)
	BN	1.6 (3.5%)	0 (0.1%)
	D	1.7 (3.7%)	0 (-0.1%)
	C	1.8 (3.8%)	0 (0%)
	AVG	1.7 (3.7%)	0 (0.1%)
MAR	W	1.6 (3.4%)	0.1 (0.2%)
	AN	1.7 (3.6%)	0.1 (0.1%)
	BN	1.5 (3.2%)	-0.1 (-0.1%)
	D	1.5 (3.3%)	-0.1 (-0.3%)
	C	2 (4.2%)	0.1 (0.1%)
	AVG	1.6 (3.5%)	0 (0%)
APR	W	1.5 (3.2%)	-0.2 (-0.3%)
	AN	1.4 (2.9%)	-0.3 (-0.6%)
	BN	1.3 (2.7%)	0 (-0.1%)
	D	1.5 (3.1%)	-0.1 (-0.1%)
	C	2 (4%)	-0.1 (-0.2%)
	AVG	1.5 (3.2%)	-0.1 (-0.3%)
MAY	W	1.6 (3.3%)	-0.2 (-0.3%)
	AN	1.2 (2.5%)	-0.1 (-0.2%)
	BN	1.4 (2.9%)	0 (0.1%)
	D	2 (4%)	0.4 (0.9%)
	C	2.1 (4.1%)	0.1 (0.1%)
	AVG	1.7 (3.4%)	0 (0.1%)
JUN	W	1.1 (2.3%)	0.2 (0.3%)
	AN	1.7 (3.4%)	0.4 (0.9%)
	BN	2.4 (4.8%)	1.2 (2.3%)
	D	2.8 (5.6%)	0.9 (1.8%)
	C	2.2 (4.2%)	0.1 (0.2%)
	AVG	2 (3.9%)	0.5 (1%)
JUL	W	1.9 (3.7%)	0.9 (1.8%)
	AN	2.5 (4.9%)	1.1 (2.2%)
	BN	2.5 (4.8%)	1.1 (2.1%)
	D	2.8 (5.5%)	0.4 (0.8%)
	C	5 (9.2%)	-0.2 (-0.3%)
	AVG	2.7 (5.3%)	0.7 (1.4%)

Alternative 8: Sacramento River at Keswick			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
AUG	W	2.8 (5.3%)	0.8 (1.5%)
	AN	3 (5.7%)	1.1 (2%)
	BN	3.2 (6.3%)	0.9 (1.6%)
	D	3.4 (6.5%)	0.4 (0.7%)
	C	7.6 (13.4%)	0.1 (0.1%)
	AVG	3.7 (7%)	0.7 (1.2%)
SEP	W	1.7 (3.2%)	0 (0%)
	AN	2.3 (4.2%)	0 (0.1%)
	BN	3.7 (7%)	1.1 (1.9%)
	D	4.7 (8.7%)	0.3 (0.5%)
	C	5.7 (9.5%)	-0.3 (-0.4%)
	AVG	3.4 (6.2%)	0.2 (0.4%)
OCT	W	2.4 (4.5%)	-0.6 (-1.1%)
	AN	2.8 (5.1%)	0 (0%)
	BN	3.2 (5.8%)	0.1 (0.2%)
	D	3.3 (6.1%)	-0.2 (-0.3%)
	C	3.6 (6.3%)	-0.2 (-0.3%)
	AVG	3 (5.4%)	-0.3 (-0.4%)
NOV	W	2 (3.8%)	-0.3 (-0.5%)
	AN	1.9 (3.6%)	-0.3 (-0.6%)
	BN	2.2 (4.2%)	-0.2 (-0.4%)
	D	2.2 (4.2%)	-0.1 (-0.2%)
	C	2 (3.6%)	-0.5 (-0.9%)
	AVG	2.1 (3.9%)	-0.3 (-0.5%)
DEC	W	1.4 (2.8%)	0.1 (0.2%)
	AN	1.6 (3.2%)	-0.2 (-0.3%)
	BN	1.8 (3.5%)	-0.3 (-0.5%)
	D	1.7 (3.3%)	-0.3 (-0.5%)
	C	1.8 (3.5%)	-0.1 (-0.3%)
	AVG	1.6 (3.2%)	-0.1 (-0.2%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.8.2 Sacramento River at Jelly's Ferry

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 8 Model Scenarios in the Sacramento River at Jelly's Ferry, Year-Round

Alternative 8: Sacramento River at Jelly's Ferry				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
JAN	W	45	47	47
	AN	45	47	47
	BN	45	46	47
	D	45	47	47
	C	45	47	47
	AVG	45	47	47
FEB	W	46	47	47
	AN	46	48	48
	BN	46	48	47
	D	46	48	48
	C	47	49	49
	AVG	46	48	48
MAR	W	48	49	50
	AN	49	51	51
	BN	49	51	51
	D	50	51	51
	C	50	52	52
	AVG	49	51	50
APR	W	51	53	53
	AN	53	55	54
	BN	53	54	53
	D	52	54	54
	C	52	54	54
	AVG	52	54	53
MAY	W	54	57	56
	AN	55	57	55
	BN	54	57	56
	D	54	56	56
	C	55	57	57
	AVG	54	57	56
JUN	W	55	56	56
	AN	55	56	56
	BN	54	56	57
	D	54	56	57
	C	56	58	58
	AVG	55	56	57
JUL	W	56	57	57
	AN	55	56	57
	BN	55	56	58
	D	55	57	58
	C	57	62	62
	AVG	55	57	58

Alternative 8: Sacramento River at Jelly's Ferry				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
AUG	W	56	59	59
	AN	56	58	60
	BN	56	58	59
	D	56	59	60
	C	59	67	66
	AVG	57	60	61
SEP	W	56	57	58
	AN	57	59	59
	BN	57	60	61
	D	58	63	63
	C	61	67	67
	AVG	58	61	61
OCT	W	54	57	57
	AN	54	57	57
	BN	55	57	58
	D	55	58	58
	C	56	60	60
	AVG	55	58	58
NOV	W	51	53	53
	AN	51	53	53
	BN	51	54	53
	D	51	54	53
	C	52	55	54
	AVG	51	53	53
DEC	W	47	48	48
	AN	47	48	48
	BN	47	49	49
	D	47	49	48
	C	47	49	49
	AVG	47	48	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Jelly's Ferry, Year-Round

Alternative 8: Sacramento River at Jelly's Ferry			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
JAN	W	1.5 (3.4%)	0.1 (0.2%)
	AN	1.6 (3.5%)	0 (0.1%)
	BN	1.8 (4.1%)	0.1 (0.3%)
	D	1.7 (3.8%)	-0.1 (-0.3%)
	C	2.1 (4.6%)	-0.1 (-0.2%)
	AVG	1.7 (3.8%)	0 (0%)
FEB	W	1.6 (3.5%)	0.1 (0.1%)
	AN	1.6 (3.6%)	0.1 (0.1%)
	BN	1.7 (3.6%)	0 (0%)
	D	1.8 (3.8%)	-0.1 (-0.2%)
	C	1.8 (3.9%)	-0.1 (-0.3%)
	AVG	1.7 (3.7%)	0 (0%)
MAR	W	1.5 (3.1%)	0 (0.1%)
	AN	1.5 (3.1%)	0 (-0.1%)
	BN	1.5 (3%)	-0.2 (-0.5%)
	D	1.2 (2.5%)	-0.4 (-0.8%)
	C	1.7 (3.3%)	-0.1 (-0.3%)
	AVG	1.5 (3%)	-0.1 (-0.3%)
APR	W	1.5 (3%)	-0.3 (-0.5%)
	AN	1.1 (2%)	-0.8 (-1.5%)
	BN	0.7 (1.3%)	-1.1 (-2%)
	D	1.2 (2.2%)	-0.7 (-1.2%)
	C	2 (3.9%)	0 (0%)
	AVG	1.3 (2.5%)	-0.5 (-1%)
MAY	W	2.2 (4.1%)	-0.7 (-1.2%)
	AN	0.6 (1.2%)	-1 (-1.8%)
	BN	1.4 (2.6%)	-0.7 (-1.2%)
	D	2.2 (4%)	0.4 (0.6%)
	C	1.9 (3.5%)	0 (0%)
	AVG	1.8 (3.3%)	-0.4 (-0.7%)
JUN	W	0.9 (1.7%)	-0.5 (-0.9%)
	AN	1.3 (2.4%)	0 (-0.1%)
	BN	2.5 (4.6%)	0.9 (1.6%)
	D	3 (5.6%)	1.1 (1.9%)
	C	1.9 (3.4%)	-0.1 (-0.2%)
	AVG	1.8 (3.4%)	0.2 (0.4%)
JUL	W	1.9 (3.4%)	0.9 (1.6%)
	AN	2.8 (5.1%)	1.3 (2.4%)
	BN	3.1 (5.6%)	1.4 (2.5%)
	D	3.1 (5.6%)	0.7 (1.2%)
	C	5 (8.7%)	-0.1 (-0.1%)
	AVG	2.9 (5.3%)	0.9 (1.5%)

Alternative 8: Sacramento River at Jelly's Ferry			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
AUG	W	3.4 (6%)	0.8 (1.4%)
	AN	3.5 (6.2%)	1.6 (2.7%)
	BN	3.9 (7%)	1.3 (2.2%)
	D	3.6 (6.4%)	0.5 (0.9%)
	C	7.1 (11.9%)	-0.1 (-0.1%)
	AVG	4.1 (7.2%)	0.8 (1.4%)
SEP	W	1.4 (2.6%)	0.2 (0.3%)
	AN	1.8 (3.2%)	0.6 (0.9%)
	BN	4.5 (7.8%)	1.6 (2.6%)
	D	5.3 (9.2%)	0.5 (0.7%)
	C	5.2 (8.4%)	-0.1 (-0.2%)
	AVG	3.4 (5.9%)	0.5 (0.8%)
OCT	W	2.4 (4.5%)	-0.4 (-0.7%)
	AN	2.7 (5%)	0.1 (0.2%)
	BN	3.1 (5.7%)	0.2 (0.4%)
	D	2.9 (5.3%)	-0.2 (-0.4%)
	C	3.3 (5.9%)	-0.1 (-0.2%)
	AVG	2.8 (5.2%)	-0.1 (-0.2%)
NOV	W	1.9 (3.8%)	-0.4 (-0.7%)
	AN	1.8 (3.6%)	-0.4 (-0.8%)
	BN	2.2 (4.3%)	-0.3 (-0.6%)
	D	2.1 (4%)	-0.2 (-0.4%)
	C	2 (3.8%)	-0.4 (-0.8%)
	AVG	2 (3.9%)	-0.3 (-0.6%)
DEC	W	1.3 (2.8%)	0.1 (0.3%)
	AN	1.5 (3.3%)	-0.3 (-0.6%)
	BN	1.7 (3.6%)	-0.2 (-0.4%)
	D	1.6 (3.5%)	-0.3 (-0.6%)
	C	1.9 (4.1%)	0 (0%)
	AVG	1.6 (3.3%)	-0.1 (-0.2%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.8.3 Sacramento River at Bend Bridge

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 8 Model Scenarios in the Sacramento River at Bend Bridge, Year-Round

Alternative 8: Sacramento River at Bend Bridge				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
JAN	W	45	47	47
	AN	45	47	47
	BN	45	46	47
	D	45	47	46
	C	45	47	47
	AVG	45	47	47
FEB	W	46	47	47
	AN	46	48	48
	BN	46	48	48
	D	46	48	48
	C	47	49	49
	AVG	46	48	48
MAR	W	48	50	50
	AN	49	51	51
	BN	49	51	51
	D	50	52	51
	C	50	52	52
	AVG	49	51	51
APR	W	51	53	53
	AN	53	55	54
	BN	53	55	54
	D	53	55	54
	C	52	54	54
	AVG	52	54	54
MAY	W	54	57	57
	AN	55	57	56
	BN	55	57	56
	D	55	56	57
	C	55	57	57
	AVG	55	57	57
JUN	W	56	57	57
	AN	55	57	56
	BN	55	57	58
	D	55	57	58
	C	57	59	58
	AVG	55	57	57
JUL	W	56	57	58
	AN	55	57	58
	BN	55	57	59
	D	56	58	59
	C	58	63	63
	AVG	56	58	59

Alternative 8: Sacramento River at Bend Bridge				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
AUG	W	57	59	60
	AN	57	59	60
	BN	56	59	60
	D	57	60	61
	C	60	67	67
	AVG	57	60	61
SEP	W	57	58	58
	AN	58	59	60
	BN	58	60	62
	D	58	63	64
	C	62	67	67
	AVG	58	61	61
OCT	W	54	57	57
	AN	55	57	57
	BN	55	58	58
	D	55	58	58
	C	56	60	60
	AVG	55	58	58
NOV	W	51	53	52
	AN	51	53	53
	BN	51	53	53
	D	51	54	53
	C	52	54	54
	AVG	51	53	53
DEC	W	47	48	48
	AN	46	48	48
	BN	47	49	48
	D	46	48	48
	C	47	49	49
	AVG	47	48	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Bend Bridge, Year-Round

Alternative 8: Sacramento River at Bend Bridge			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
JAN	W	1.5 (3.4%)	0.1 (0.2%)
	AN	1.6 (3.6%)	0 (0.1%)
	BN	1.9 (4.2%)	0.1 (0.3%)
	D	1.8 (3.9%)	-0.1 (-0.3%)
	C	2.1 (4.7%)	-0.1 (-0.2%)
	AVG	1.7 (3.9%)	0 (0%)
FEB	W	1.6 (3.5%)	0.1 (0.1%)
	AN	1.7 (3.6%)	0.1 (0.1%)
	BN	1.7 (3.7%)	0 (0%)
	D	1.8 (3.9%)	-0.1 (-0.2%)
	C	1.9 (4%)	-0.1 (-0.3%)
	AVG	1.7 (3.7%)	0 (0%)
MAR	W	1.5 (3.1%)	0 (0.1%)
	AN	1.5 (3.1%)	0 (-0.1%)
	BN	1.5 (3%)	-0.2 (-0.4%)
	D	1.3 (2.6%)	-0.4 (-0.8%)
	C	1.7 (3.4%)	-0.1 (-0.3%)
	AVG	1.5 (3%)	-0.1 (-0.3%)
APR	W	1.5 (3%)	-0.2 (-0.5%)
	AN	1.1 (2.1%)	-0.8 (-1.5%)
	BN	0.7 (1.3%)	-1.1 (-2%)
	D	1.2 (2.2%)	-0.7 (-1.3%)
	C	2 (3.9%)	0 (0%)
	AVG	1.3 (2.5%)	-0.5 (-1%)
MAY	W	2.3 (4.2%)	-0.7 (-1.2%)
	AN	0.6 (1.2%)	-1.1 (-1.9%)
	BN	1.5 (2.7%)	-0.7 (-1.3%)
	D	2.2 (4%)	0.3 (0.6%)
	C	1.9 (3.5%)	0 (0%)
	AVG	1.8 (3.3%)	-0.4 (-0.8%)
JUN	W	0.9 (1.7%)	-0.5 (-0.9%)
	AN	1.3 (2.4%)	-0.1 (-0.2%)
	BN	2.5 (4.6%)	0.9 (1.5%)
	D	3.1 (5.6%)	1.1 (1.9%)
	C	1.9 (3.3%)	-0.1 (-0.2%)
	AVG	1.9 (3.4%)	0.2 (0.3%)
JUL	W	1.9 (3.4%)	0.9 (1.6%)
	AN	2.8 (5.1%)	1.4 (2.4%)
	BN	3.2 (5.7%)	1.4 (2.5%)
	D	3.1 (5.6%)	0.7 (1.2%)
	C	5 (8.5%)	0 (-0.1%)
	AVG	3 (5.3%)	0.9 (1.5%)

Alternative 8: Sacramento River at Bend Bridge			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
AUG	W	3.4 (6.1%)	0.8 (1.4%)
	AN	3.6 (6.3%)	1.6 (2.8%)
	BN	4 (7.1%)	1.3 (2.2%)
	D	3.6 (6.3%)	0.5 (0.9%)
	C	7 (11.7%)	-0.1 (-0.1%)
	AVG	4.1 (7.2%)	0.8 (1.4%)
SEP	W	1.4 (2.6%)	0.2 (0.4%)
	AN	1.8 (3.2%)	0.6 (1%)
	BN	4.5 (7.9%)	1.6 (2.6%)
	D	5.4 (9.2%)	0.5 (0.7%)
	C	5.1 (8.3%)	-0.1 (-0.2%)
	AVG	3.4 (5.9%)	0.5 (0.8%)
OCT	W	2.4 (4.5%)	-0.4 (-0.7%)
	AN	2.7 (5%)	0.1 (0.3%)
	BN	3.1 (5.8%)	0.2 (0.4%)
	D	2.9 (5.3%)	-0.2 (-0.4%)
	C	3.3 (5.9%)	-0.1 (-0.1%)
	AVG	2.8 (5.2%)	-0.1 (-0.2%)
NOV	W	1.9 (3.8%)	-0.4 (-0.7%)
	AN	1.9 (3.7%)	-0.4 (-0.7%)
	BN	2.2 (4.3%)	-0.3 (-0.6%)
	D	2.1 (4.1%)	-0.2 (-0.4%)
	C	2 (3.9%)	-0.4 (-0.7%)
	AVG	2 (4%)	-0.3 (-0.6%)
DEC	W	1.3 (2.8%)	0.1 (0.3%)
	AN	1.6 (3.3%)	-0.3 (-0.6%)
	BN	1.7 (3.7%)	-0.2 (-0.4%)
	D	1.7 (3.6%)	-0.3 (-0.6%)
	C	2 (4.3%)	0 (0%)
	AVG	1.6 (3.4%)	-0.1 (-0.2%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.8.4 Sacramento River at Red Bluff Diversion Dam

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 8 Model Scenarios in the Sacramento River at Red Bluff Diversion Dam, Year-Round

Alternative 8: Sacramento River at Red Bluff Diversion Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
JAN	W	45	46	47
	AN	45	47	47
	BN	44	46	46
	D	44	46	46
	C	44	47	47
	AVG	45	46	46
FEB	W	46	47	48
	AN	46	48	48
	BN	46	48	48
	D	46	48	48
	C	47	49	49
	AVG	46	48	48
MAR	W	48	50	50
	AN	49	51	51
	BN	49	51	51
	D	50	52	52
	C	51	53	52
	AVG	49	51	51
APR	W	52	54	53
	AN	53	55	55
	BN	54	55	54
	D	54	55	55
	C	53	55	55
	AVG	53	55	54
MAY	W	55	58	58
	AN	56	58	57
	BN	56	58	58
	D	56	58	58
	C	57	59	58
	AVG	56	58	58
JUN	W	57	59	58
	AN	57	58	58
	BN	57	58	59
	D	57	59	60
	C	58	60	60
	AVG	57	59	59
JUL	W	58	59	60
	AN	57	59	60
	BN	57	59	61
	D	57	60	61
	C	60	64	64
	AVG	58	60	61

Alternative 8: Sacramento River at Red Bluff Diversion Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
AUG	W	58	61	62
	AN	59	61	62
	BN	58	61	62
	D	59	62	62
	C	61	68	68
	AVG	59	62	63
SEP	W	58	59	59
	AN	59	60	61
	BN	59	62	64
	D	59	64	65
	C	63	68	68
	AVG	59	62	63
OCT	W	55	57	57
	AN	55	57	58
	BN	55	58	58
	D	55	59	58
	C	56	60	60
	AVG	55	58	58
NOV	W	50	53	52
	AN	50	53	52
	BN	51	53	53
	D	51	53	53
	C	52	54	54
	AVG	51	53	53
DEC	W	46	48	48
	AN	46	48	48
	BN	46	48	48
	D	46	48	48
	C	46	48	48
	AVG	46	48	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Red Bluff Diversion Dam, Year-Round

Alternative 8: Sacramento River at Red Bluff Diversion Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
JAN	W	1.6 (3.5%)	0.1 (0.2%)
	AN	1.7 (3.7%)	0 (0.1%)
	BN	2 (4.4%)	0.1 (0.3%)
	D	1.8 (4.1%)	-0.1 (-0.3%)
	C	2.2 (4.9%)	-0.1 (-0.3%)
	AVG	1.8 (4%)	0 (0%)
FEB	W	1.7 (3.6%)	0.1 (0.1%)
	AN	1.7 (3.7%)	0 (0.1%)
	BN	1.7 (3.8%)	0 (0%)
	D	1.9 (4%)	-0.1 (-0.2%)
	C	2 (4.2%)	-0.1 (-0.3%)
	AVG	1.8 (3.8%)	0 (0%)
MAR	W	1.5 (3.1%)	0 (0.1%)
	AN	1.6 (3.2%)	0 (-0.1%)
	BN	1.5 (3.1%)	-0.2 (-0.4%)
	D	1.3 (2.6%)	-0.4 (-0.8%)
	C	1.7 (3.4%)	-0.1 (-0.3%)
	AVG	1.5 (3.1%)	-0.1 (-0.3%)
APR	W	1.6 (3%)	-0.2 (-0.4%)
	AN	1.1 (2.1%)	-0.8 (-1.5%)
	BN	0.7 (1.4%)	-1.1 (-2.1%)
	D	1.2 (2.2%)	-0.7 (-1.3%)
	C	2.1 (3.9%)	0 (0%)
	AVG	1.4 (2.6%)	-0.5 (-1%)
MAY	W	2.3 (4.2%)	-0.7 (-1.3%)
	AN	0.6 (1.1%)	-1.2 (-2%)
	BN	1.5 (2.7%)	-0.8 (-1.4%)
	D	2.2 (4%)	0.3 (0.6%)
	C	1.9 (3.4%)	0 (-0.1%)
	AVG	1.9 (3.3%)	-0.5 (-0.8%)
JUN	W	1 (1.8%)	-0.6 (-1.1%)
	AN	1.3 (2.4%)	-0.2 (-0.3%)
	BN	2.6 (4.6%)	0.8 (1.4%)
	D	3.1 (5.5%)	1.1 (1.8%)
	C	1.8 (3.2%)	-0.2 (-0.3%)
	AVG	1.9 (3.4%)	0.1 (0.2%)
JUL	W	2 (3.4%)	0.9 (1.5%)
	AN	2.9 (5.1%)	1.4 (2.4%)
	BN	3.3 (5.8%)	1.5 (2.5%)
	D	3.2 (5.6%)	0.8 (1.3%)
	C	4.9 (8.2%)	0 (0%)
	AVG	3 (5.3%)	0.9 (1.5%)

Alternative 8: Sacramento River at Red Bluff Diversion Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
AUG	W	3.6 (6.2%)	0.8 (1.4%)
	AN	3.7 (6.4%)	1.7 (2.8%)
	BN	4.1 (7.2%)	1.4 (2.2%)
	D	3.7 (6.2%)	0.5 (0.9%)
	C	6.9 (11.2%)	-0.1 (-0.2%)
	AVG	4.2 (7.2%)	0.8 (1.4%)
SEP	W	1.5 (2.6%)	0.3 (0.5%)
	AN	1.8 (3.1%)	0.7 (1.2%)
	BN	4.7 (8%)	1.7 (2.7%)
	D	5.5 (9.2%)	0.5 (0.8%)
	C	5.1 (8.2%)	-0.1 (-0.2%)
	AVG	3.5 (5.9%)	0.6 (0.9%)
OCT	W	2.5 (4.6%)	-0.3 (-0.5%)
	AN	2.8 (5.1%)	0.2 (0.3%)
	BN	3.2 (5.8%)	0.3 (0.5%)
	D	2.9 (5.3%)	-0.2 (-0.3%)
	C	3.3 (5.9%)	0 (-0.1%)
	AVG	2.9 (5.2%)	-0.1 (-0.1%)
NOV	W	2 (4%)	-0.4 (-0.7%)
	AN	1.9 (3.8%)	-0.4 (-0.7%)
	BN	2.3 (4.5%)	-0.3 (-0.6%)
	D	2.1 (4.2%)	-0.2 (-0.4%)
	C	2.1 (4.1%)	-0.4 (-0.7%)
	AVG	2.1 (4.1%)	-0.3 (-0.6%)
DEC	W	1.4 (3%)	0.1 (0.3%)
	AN	1.6 (3.5%)	-0.3 (-0.6%)
	BN	1.8 (3.9%)	-0.2 (-0.4%)
	D	1.8 (3.8%)	-0.3 (-0.5%)
	C	2.1 (4.5%)	0 (0%)
	AVG	1.7 (3.6%)	-0.1 (-0.2%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.8.5 Sacramento River at Hamilton City

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 8 Model Scenarios in the Sacramento River at Hamilton City, Year-Round

Alternative 8: Sacramento River at Hamilton City				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
JAN	W	45	47	47
	AN	45	47	47
	BN	44	46	46
	D	44	46	46
	C	44	47	47
	AVG	45	47	47
FEB	W	46	48	48
	AN	47	48	48
	BN	46	48	48
	D	47	49	49
	C	48	50	50
	AVG	47	49	49
MAR	W	49	51	51
	AN	51	52	52
	BN	51	53	52
	D	52	54	53
	C	52	54	54
	AVG	51	52	52
APR	W	54	55	55
	AN	55	57	57
	BN	56	58	56
	D	56	58	57
	C	56	58	58
	AVG	55	57	56
MAY	W	58	62	61
	AN	60	62	60
	BN	59	62	61
	D	59	61	61
	C	60	62	62
	AVG	59	62	61
JUN	W	61	63	62
	AN	61	62	62
	BN	60	62	63
	D	60	63	64
	C	61	63	63
	AVG	61	63	63
JUL	W	62	63	64
	AN	61	63	64
	BN	61	63	65
	D	61	64	65
	C	63	68	68
	AVG	62	64	65

Alternative 8: Sacramento River at Hamilton City				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
AUG	W	62	65	66
	AN	62	64	66
	BN	62	65	66
	D	62	65	66
	C	65	71	71
	AVG	62	66	67
SEP	W	60	61	62
	AN	62	63	64
	BN	62	65	67
	D	62	67	68
	C	64	69	69
	AVG	62	65	65
OCT	W	55	58	58
	AN	56	58	59
	BN	56	59	59
	D	56	59	59
	C	57	60	61
	AVG	56	59	59
NOV	W	50	53	52
	AN	50	53	52
	BN	50	53	53
	D	51	53	53
	C	52	54	54
	AVG	51	53	53
DEC	W	46	47	47
	AN	46	48	47
	BN	45	48	47
	D	45	48	47
	C	45	48	48
	AVG	46	47	47

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Hamilton City, Year-Round

Alternative 8: Sacramento River at Hamilton City			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
JAN	W	1.7 (3.7%)	0.1 (0.1%)
	AN	1.8 (4%)	0 (0%)
	BN	2.1 (4.6%)	0.1 (0.2%)
	D	2 (4.6%)	-0.1 (-0.2%)
	C	2.3 (5.2%)	-0.2 (-0.3%)
	AVG	1.9 (4.3%)	0 (0%)
FEB	W	1.7 (3.7%)	0 (0.1%)
	AN	1.8 (3.8%)	0 (0%)
	BN	1.8 (3.9%)	0 (-0.1%)
	D	2 (4.2%)	-0.1 (-0.3%)
	C	2.1 (4.3%)	-0.2 (-0.4%)
	AVG	1.8 (3.9%)	-0.1 (-0.1%)
MAR	W	1.5 (3.1%)	0 (0%)
	AN	1.6 (3.2%)	0 (-0.1%)
	BN	1.6 (3.2%)	-0.2 (-0.5%)
	D	1.4 (2.6%)	-0.5 (-0.9%)
	C	1.8 (3.4%)	-0.2 (-0.3%)
	AVG	1.6 (3.1%)	-0.2 (-0.3%)
APR	W	1.7 (3.1%)	-0.2 (-0.4%)
	AN	1.3 (2.3%)	-0.8 (-1.4%)
	BN	0.7 (1.3%)	-1.3 (-2.2%)
	D	1.2 (2.2%)	-0.9 (-1.5%)
	C	2.1 (3.8%)	0.1 (0.1%)
	AVG	1.4 (2.6%)	-0.6 (-1%)
MAY	W	2.5 (4.2%)	-0.8 (-1.3%)
	AN	0.6 (1%)	-1.4 (-2.3%)
	BN	1.6 (2.6%)	-1 (-1.6%)
	D	2.3 (3.9%)	0.3 (0.5%)
	C	1.9 (3.2%)	-0.1 (-0.2%)
	AVG	1.9 (3.2%)	-0.6 (-1%)
JUN	W	1.1 (1.8%)	-0.9 (-1.4%)
	AN	1.4 (2.2%)	-0.4 (-0.6%)
	BN	2.7 (4.5%)	0.7 (1.1%)
	D	3.3 (5.4%)	1.1 (1.8%)
	C	1.8 (2.9%)	-0.3 (-0.5%)
	AVG	2 (3.3%)	0 (0%)
JUL	W	2.1 (3.5%)	0.9 (1.4%)
	AN	3.2 (5.2%)	1.5 (2.4%)
	BN	3.7 (6%)	1.6 (2.5%)
	D	3.3 (5.5%)	0.8 (1.3%)
	C	4.9 (7.7%)	0.1 (0.1%)
	AVG	3.2 (5.2%)	1 (1.5%)

Alternative 8: Sacramento River at Hamilton City			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
AUG	W	4 (6.5%)	0.8 (1.2%)
	AN	4 (6.5%)	1.9 (3%)
	BN	4.5 (7.3%)	1.5 (2.4%)
	D	3.8 (6.1%)	0.6 (0.9%)
	C	6.5 (10%)	-0.1 (-0.2%)
	AVG	4.4 (7.1%)	0.9 (1.4%)
SEP	W	1.5 (2.4%)	0.4 (0.6%)
	AN	1.8 (2.9%)	1 (1.5%)
	BN	4.9 (7.9%)	1.7 (2.6%)
	D	5.6 (9%)	0.5 (0.7%)
	C	4.9 (7.6%)	-0.1 (-0.1%)
	AVG	3.5 (5.7%)	0.6 (1%)
OCT	W	2.7 (4.8%)	-0.1 (-0.1%)
	AN	2.9 (5.2%)	0.2 (0.4%)
	BN	3.3 (5.9%)	0.4 (0.7%)
	D	2.9 (5.1%)	-0.1 (-0.1%)
	C	3.4 (5.9%)	0.1 (0.2%)
	AVG	3 (5.3%)	0.1 (0.1%)
NOV	W	2.1 (4.3%)	-0.3 (-0.5%)
	AN	2.2 (4.3%)	-0.3 (-0.5%)
	BN	2.4 (4.8%)	-0.2 (-0.4%)
	D	2.3 (4.5%)	-0.2 (-0.3%)
	C	2.3 (4.5%)	-0.3 (-0.5%)
	AVG	2.2 (4.4%)	-0.2 (-0.5%)
DEC	W	1.5 (3.3%)	0.1 (0.2%)
	AN	1.8 (4%)	-0.2 (-0.4%)
	BN	2 (4.4%)	-0.1 (-0.3%)
	D	2 (4.3%)	-0.2 (-0.4%)
	C	2.3 (5%)	0 (0.1%)
	AVG	1.9 (4.1%)	-0.1 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.8.6 Trinity River below Lewiston Reservoir

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 8 Model Scenarios in the Trinity River below Lewiston Reservoir, Year-Round

Alternative 8: Trinity River below Lewiston Reservoir				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
JAN	W	41	43	43
	AN	38	41	41
	BN	39	41	41
	D	39	41	41
	C	39	42	41
	AVG	39	42	41
FEB	W	43	45	45
	AN	43	45	45
	BN	42	44	44
	D	42	45	45
	C	43	45	45
	AVG	43	45	45
MAR	W	46	48	47
	AN	47	49	49
	BN	47	48	49
	D	48	50	50
	C	48	50	50
	AVG	47	49	49
APR	W	49	51	51
	AN	50	52	53
	BN	51	53	54
	D	51	53	54
	C	50	52	54
	AVG	50	52	53
MAY	W	46	48	48
	AN	46	48	48
	BN	46	49	49
	D	47	49	50
	C	49	52	53
	AVG	47	49	49
JUN	W	48	51	50
	AN	51	52	51
	BN	52	53	53
	D	52	54	55
	C	56	59	58
	AVG	51	53	53
JUL	W	51	55	53
	AN	52	54	53
	BN	52	55	54
	D	51	54	53
	C	53	60	58
	AVG	51	55	54

Alternative 8: Trinity River below Lewiston Reservoir				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
AUG	W	52	54	53
	AN	51	53	53
	BN	52	55	55
	D	50	54	54
	C	54	63	63
	AVG	52	56	55
SEP	W	49	51	52
	AN	50	51	52
	BN	51	55	55
	D	50	56	55
	C	57	62	62
	AVG	51	54	54
OCT	W	48	51	51
	AN	49	52	51
	BN	50	53	53
	D	50	52	52
	C	51	56	55
	AVG	49	52	52
NOV	W	44	47	47
	AN	45	47	47
	BN	45	47	47
	D	44	47	47
	C	46	48	48
	AVG	45	47	47
DEC	W	41	43	43
	AN	39	43	42
	BN	40	42	42
	D	40	42	42
	C	39	41	41
	AVG	40	42	42

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River below Lewiston Reservoir, Year-Round

Alternative 8: Trinity River below Lewiston Reservoir			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
JAN	W	2.2 (5.5%)	0.2 (0.4%)
	AN	2.3 (6%)	-0.1 (-0.3%)
	BN	1.9 (4.9%)	-0.2 (-0.4%)
	D	1.9 (5%)	-0.8 (-1.9%)
	C	1.3 (3.4%)	-1 (-2.3%)
	AVG	2 (5%)	-0.3 (-0.7%)
FEB	W	2.4 (5.5%)	0 (0%)
	AN	2.3 (5.3%)	0 (0%)
	BN	2.2 (5.2%)	0 (0.1%)
	D	2.4 (5.8%)	0.2 (0.4%)
	C	2.3 (5.4%)	0.1 (0.3%)
	AVG	2.3 (5.5%)	0.1 (0.1%)
MAR	W	1.7 (3.8%)	-0.3 (-0.5%)
	AN	1.8 (3.8%)	0.1 (0.2%)
	BN	2.4 (5.2%)	0.6 (1.3%)
	D	1.7 (3.5%)	0.2 (0.4%)
	C	2.4 (5.1%)	0.4 (0.7%)
	AVG	2 (4.2%)	0.1 (0.3%)
APR	W	2.2 (4.4%)	0.7 (1.3%)
	AN	3 (6%)	1 (2%)
	BN	2.9 (5.8%)	0.4 (0.8%)
	D	2.6 (5%)	0.3 (0.6%)
	C	4.2 (8.4%)	2.1 (4%)
	AVG	2.8 (5.6%)	0.8 (1.5%)
MAY	W	2.5 (5.4%)	0 (0.1%)
	AN	2.3 (5%)	0 (0%)
	BN	2.3 (4.9%)	0.1 (0.1%)
	D	2.8 (6.1%)	0.3 (0.6%)
	C	3.4 (6.8%)	0.2 (0.4%)
	AVG	2.6 (5.6%)	0.1 (0.2%)
JUN	W	1.7 (3.5%)	-0.6 (-1.1%)
	AN	0.4 (0.8%)	-0.7 (-1.4%)
	BN	1.2 (2.3%)	-0.6 (-1.2%)
	D	2.7 (5.1%)	0.4 (0.7%)
	C	2 (3.6%)	-1.7 (-2.9%)
	AVG	1.7 (3.3%)	-0.6 (-1%)
JUL	W	2.1 (4.1%)	-1.7 (-3.1%)
	AN	1.8 (3.4%)	-0.2 (-0.5%)
	BN	2.2 (4.2%)	-1.1 (-1.9%)
	D	2.5 (5%)	-0.1 (-0.2%)
	C	5.3 (10%)	-1.6 (-2.7%)
	AVG	2.6 (5.1%)	-1 (-1.9%)

Alternative 8: Trinity River below Lewiston Reservoir			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
AUG	W	0.7 (1.3%)	-1.4 (-2.6%)
	AN	1.7 (3.4%)	-0.5 (-0.9%)
	BN	2.8 (5.4%)	-0.2 (-0.3%)
	D	3.6 (7.3%)	-0.4 (-0.8%)
	C	9.6 (17.8%)	0.1 (0.2%)
	AVG	3.2 (6.1%)	-0.6 (-1.1%)
SEP	W	2.5 (5.1%)	0.6 (1.1%)
	AN	2.5 (5.1%)	0.8 (1.6%)
	BN	3.6 (7%)	0.1 (0.1%)
	D	4.5 (9%)	-1.3 (-2.4%)
	C	5 (8.9%)	-0.7 (-1.1%)
	AVG	3.5 (6.9%)	-0.1 (-0.2%)
OCT	W	3.3 (6.8%)	0 (0.1%)
	AN	2.1 (4.2%)	-0.3 (-0.5%)
	BN	3 (6%)	0.1 (0.2%)
	D	2.3 (4.6%)	0 (0.1%)
	C	3.6 (7.1%)	-0.8 (-1.4%)
	AVG	2.9 (5.9%)	-0.1 (-0.2%)
NOV	W	2.3 (5.2%)	-0.3 (-0.7%)
	AN	2.3 (5.2%)	0.1 (0.2%)
	BN	2.6 (5.9%)	0.1 (0.2%)
	D	2.4 (5.4%)	-0.3 (-0.7%)
	C	2.2 (4.8%)	0.2 (0.3%)
	AVG	2.4 (5.3%)	-0.1 (-0.3%)
DEC	W	1.8 (4.4%)	-0.3 (-0.6%)
	AN	2.8 (7.3%)	-0.8 (-1.8%)
	BN	2.7 (6.8%)	0.2 (0.5%)
	D	1.9 (4.8%)	0.1 (0.2%)
	C	1.5 (4%)	-0.2 (-0.5%)
	AVG	2.1 (5.2%)	-0.2 (-0.4%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.8.7 Trinity River at Douglas City

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 8 Model Scenarios in the Trinity River at Douglas City, Year-Round

Alternative 8: Trinity River at Douglas City				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
JAN	W	40	42	42
	AN	39	40	40
	BN	38	40	40
	D	38	40	40
	C	39	41	40
	AVG	39	41	41
FEB	W	43	45	45
	AN	43	45	45
	BN	42	44	44
	D	43	44	44
	C	43	45	45
	AVG	43	45	45
MAR	W	46	47	47
	AN	47	48	48
	BN	47	48	48
	D	48	49	49
	C	48	49	50
	AVG	47	48	48
APR	W	51	52	52
	AN	52	53	54
	BN	52	54	54
	D	53	54	54
	C	52	54	55
	AVG	52	53	54
MAY	W	48	50	50
	AN	48	50	50
	BN	49	51	51
	D	49	51	52
	C	52	55	55
	AVG	49	51	51
JUN	W	51	54	53
	AN	54	55	54
	BN	55	57	57
	D	57	59	60
	C	60	63	62
	AVG	55	57	57
JUL	W	57	61	60
	AN	58	60	60
	BN	59	62	61
	D	59	62	62
	C	62	67	66
	AVG	59	62	61

Alternative 8: Trinity River at Douglas City				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
AUG	W	60	62	62
	AN	59	61	61
	BN	60	63	63
	D	58	62	62
	C	61	67	67
	AVG	60	63	63
SEP	W	55	57	58
	AN	55	57	58
	BN	56	59	59
	D	55	60	59
	C	59	64	64
	AVG	56	59	59
OCT	W	50	53	53
	AN	51	53	53
	BN	52	54	54
	D	51	53	53
	C	53	56	56
	AVG	51	54	54
NOV	W	44	46	46
	AN	45	47	47
	BN	45	47	47
	D	44	46	46
	C	46	47	47
	AVG	44	47	46
DEC	W	41	43	43
	AN	40	42	42
	BN	39	42	42
	D	40	42	42
	C	39	41	41
	AVG	40	42	42

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River at Douglas City, Year-Round

Alternative 8: Trinity River at Douglas City			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
JAN	W	1.7 (4.2%)	0.1 (0.2%)
	AN	1.5 (4%)	-0.1 (-0.2%)
	BN	1.4 (3.7%)	-0.1 (-0.1%)
	D	1.8 (4.6%)	-0.4 (-1%)
	C	1.6 (4.1%)	-0.5 (-1.2%)
	AVG	1.6 (4.1%)	-0.2 (-0.4%)
FEB	W	1.6 (3.7%)	0 (0%)
	AN	1.5 (3.5%)	0 (0%)
	BN	1.6 (3.9%)	0 (0.1%)
	D	1.7 (3.9%)	0.1 (0.2%)
	C	1.9 (4.4%)	0.1 (0.2%)
	AVG	1.7 (3.9%)	0 (0.1%)
MAR	W	1.1 (2.4%)	-0.1 (-0.2%)
	AN	1 (2.2%)	0 (0.1%)
	BN	1.3 (2.9%)	0.2 (0.4%)
	D	1.1 (2.3%)	0.1 (0.1%)
	C	1.7 (3.5%)	0.2 (0.3%)
	AVG	1.2 (2.6%)	0.1 (0.1%)
APR	W	1.5 (3%)	0.3 (0.5%)
	AN	1.9 (3.7%)	0.5 (1%)
	BN	1.9 (3.6%)	0.2 (0.4%)
	D	1.8 (3.5%)	0.1 (0.2%)
	C	3 (5.7%)	1.2 (2.2%)
	AVG	1.9 (3.7%)	0.4 (0.8%)
MAY	W	2.4 (4.9%)	0 (0.1%)
	AN	2.3 (4.7%)	0 (0%)
	BN	2.2 (4.4%)	0 (0.1%)
	D	2.7 (5.5%)	0.2 (0.4%)
	C	3.2 (6.1%)	0.2 (0.3%)
	AVG	2.5 (5.1%)	0.1 (0.2%)
JUN	W	1.7 (3.3%)	-0.4 (-0.8%)
	AN	0.4 (0.8%)	-0.6 (-1%)
	BN	1.4 (2.5%)	-0.5 (-0.8%)
	D	2.5 (4.5%)	0.2 (0.3%)
	C	2.1 (3.6%)	-1 (-1.6%)
	AVG	1.7 (3.1%)	-0.4 (-0.7%)
JUL	W	2.6 (4.6%)	-1.1 (-1.9%)
	AN	2.1 (3.6%)	-0.2 (-0.3%)
	BN	2 (3.3%)	-0.7 (-1.1%)
	D	2.6 (4.3%)	-0.1 (-0.2%)
	C	4.1 (6.6%)	-0.5 (-0.8%)
	AVG	2.6 (4.5%)	-0.6 (-1%)

Alternative 8: Trinity River at Douglas City			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
AUG	W	1.8 (3%)	-0.7 (-1.2%)
	AN	2.4 (4%)	-0.3 (-0.4%)
	BN	3 (4.9%)	-0.1 (-0.1%)
	D	3.5 (5.9%)	-0.2 (-0.4%)
	C	6.3 (10.4%)	0 (0.1%)
	AVG	3.1 (5.2%)	-0.3 (-0.5%)
SEP	W	2.8 (5%)	0.3 (0.5%)
	AN	2.8 (5.1%)	0.5 (0.8%)
	BN	3.4 (6%)	0 (0.1%)
	D	3.9 (7.2%)	-0.7 (-1.3%)
	C	5.3 (9%)	0 (0%)
	AVG	3.5 (6.3%)	0 (0%)
OCT	W	2.6 (5.1%)	0 (0%)
	AN	1.8 (3.5%)	-0.1 (-0.2%)
	BN	2.4 (4.7%)	0.1 (0.1%)
	D	2 (3.9%)	0 (0%)
	C	3.6 (6.8%)	0.5 (0.9%)
	AVG	2.5 (4.8%)	0.1 (0.1%)
NOV	W	1.9 (4.4%)	-0.2 (-0.3%)
	AN	2 (4.5%)	0 (0.1%)
	BN	2.3 (5.1%)	0.1 (0.1%)
	D	2 (4.6%)	-0.2 (-0.4%)
	C	1.7 (3.8%)	-0.1 (-0.3%)
	AVG	2 (4.5%)	-0.1 (-0.2%)
DEC	W	1.4 (3.3%)	0 (-0.1%)
	AN	2 (5.1%)	-0.4 (-0.9%)
	BN	2.2 (5.7%)	0.1 (0.3%)
	D	1.8 (4.5%)	0.1 (0.1%)
	C	2.4 (6.1%)	0.2 (0.4%)
	AVG	1.9 (4.6%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.8.8 Trinity River below North Fork

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 8 Model Scenarios in the Trinity River below North Fork, Year-Round

Alternative 8: Trinity River below North Fork				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
JAN	W	40	41	41
	AN	38	39	39
	BN	38	39	39
	D	38	39	39
	C	38	40	40
	AVG	39	40	40
FEB	W	43	44	44
	AN	43	44	44
	BN	43	44	44
	D	43	44	44
	C	43	45	45
	AVG	43	44	44
MAR	W	46	47	47
	AN	46	47	47
	BN	46	47	47
	D	47	48	48
	C	48	49	49
	AVG	47	47	47
APR	W	53	53	53
	AN	54	54	55
	BN	54	55	55
	D	54	55	55
	C	54	55	56
	AVG	53	54	55
MAY	W	50	52	52
	AN	50	52	52
	BN	51	53	53
	D	51	54	54
	C	54	57	57
	AVG	51	53	53
JUN	W	55	57	57
	AN	58	58	58
	BN	60	61	61
	D	62	64	64
	C	63	66	65
	AVG	59	61	61
JUL	W	63	66	66
	AN	63	66	66
	BN	65	67	67
	D	65	68	68
	C	68	71	71
	AVG	65	67	67

Alternative 8: Trinity River below North Fork				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
AUG	W	65	68	67
	AN	64	67	67
	BN	65	68	68
	D	64	67	67
	C	65	69	69
	AVG	65	68	67
SEP	W	59	62	62
	AN	59	61	61
	BN	59	62	63
	D	58	62	62
	C	61	64	64
	AVG	59	62	62
OCT	W	53	55	55
	AN	53	55	55
	BN	54	56	56
	D	53	54	54
	C	54	56	57
	AVG	53	55	55
NOV	W	44	45	45
	AN	44	46	46
	BN	44	46	46
	D	44	45	45
	C	45	47	47
	AVG	44	46	46
DEC	W	41	42	42
	AN	40	42	41
	BN	39	41	41
	D	40	41	41
	C	38	40	40
	AVG	40	41	41

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River below North Fork, Year-Round

Alternative 8: Trinity River below North Fork			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
JAN	W	1.2 (3.1%)	0.1 (0.2%)
	AN	1 (2.7%)	0 (-0.1%)
	BN	1 (2.7%)	0 (0%)
	D	1.4 (3.8%)	-0.2 (-0.5%)
	C	1.5 (3.9%)	-0.2 (-0.5%)
	AVG	1.2 (3.2%)	0 (-0.1%)
FEB	W	1.1 (2.6%)	0 (0.1%)
	AN	1 (2.4%)	0 (0%)
	BN	1.1 (2.7%)	0 (0%)
	D	1.1 (2.5%)	0 (0.1%)
	C	1.4 (3.3%)	0 (0%)
	AVG	1.1 (2.7%)	0 (0.1%)
MAR	W	0.7 (1.6%)	0 (0%)
	AN	0.6 (1.4%)	0 (0%)
	BN	0.8 (1.7%)	0 (0.1%)
	D	0.8 (1.6%)	0 (0.1%)
	C	1.1 (2.3%)	0 (0.1%)
	AVG	0.8 (1.7%)	0 (0%)
APR	W	0.9 (1.7%)	0.1 (0.2%)
	AN	1.1 (2.1%)	0.2 (0.4%)
	BN	1.1 (2.1%)	0.1 (0.1%)
	D	1.2 (2.3%)	0.1 (0.1%)
	C	2 (3.6%)	0.5 (1%)
	AVG	1.2 (2.3%)	0.2 (0.3%)
MAY	W	2.1 (4.2%)	0 (0.1%)
	AN	2.1 (4.1%)	0 (0%)
	BN	1.9 (3.8%)	0 (0%)
	D	2.4 (4.6%)	0.2 (0.3%)
	C	2.8 (5.1%)	0.1 (0.1%)
	AVG	2.2 (4.4%)	0.1 (0.1%)
JUN	W	1.6 (2.8%)	-0.3 (-0.5%)
	AN	0.3 (0.6%)	-0.4 (-0.7%)
	BN	1.4 (2.4%)	-0.3 (-0.5%)
	D	2.2 (3.7%)	0 (0.1%)
	C	2 (3.2%)	-0.5 (-0.8%)
	AVG	1.6 (2.7%)	-0.3 (-0.5%)
JUL	W	2.7 (4.4%)	-0.7 (-1%)
	AN	2.1 (3.3%)	-0.1 (-0.2%)
	BN	1.8 (2.8%)	-0.4 (-0.6%)
	D	2.4 (3.7%)	-0.1 (-0.2%)
	C	3.1 (4.6%)	-0.2 (-0.3%)
	AVG	2.5 (3.8%)	-0.4 (-0.5%)

Alternative 8: Trinity River below North Fork			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
AUG	W	2.2 (3.4%)	-0.3 (-0.5%)
	AN	2.5 (3.9%)	-0.1 (-0.2%)
	BN	2.8 (4.3%)	-0.1 (-0.1%)
	D	3.2 (4.9%)	-0.1 (-0.1%)
	C	3.8 (5.8%)	-0.1 (-0.2%)
	AVG	2.8 (4.3%)	-0.2 (-0.2%)
SEP	W	2.7 (4.6%)	0.2 (0.3%)
	AN	2.7 (4.6%)	0.2 (0.4%)
	BN	3.1 (5.1%)	0 (0%)
	D	3.3 (5.7%)	-0.4 (-0.6%)
	C	3.1 (5.1%)	0.1 (0.1%)
	AVG	3 (5%)	0 (0%)
OCT	W	2 (3.7%)	0 (0%)
	AN	1.8 (3.3%)	-0.1 (-0.2%)
	BN	2 (3.7%)	0 (0.1%)
	D	1.8 (3.4%)	0 (0%)
	C	2.9 (5.4%)	0.3 (0.5%)
	AVG	2 (3.9%)	0 (0.1%)
NOV	W	1.5 (3.5%)	-0.1 (-0.2%)
	AN	1.5 (3.4%)	0 (0%)
	BN	1.9 (4.2%)	0 (0.1%)
	D	1.6 (3.7%)	-0.1 (-0.2%)
	C	1.5 (3.4%)	-0.2 (-0.3%)
	AVG	1.6 (3.6%)	-0.1 (-0.2%)
DEC	W	1 (2.4%)	0.1 (0.1%)
	AN	1.4 (3.5%)	-0.1 (-0.4%)
	BN	1.7 (4.4%)	0.1 (0.2%)
	D	1.5 (3.7%)	0 (0.1%)
	C	1.9 (5%)	0 (0.1%)
	AVG	1.4 (3.6%)	0 (0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.8.9 Feather River at Fish Barrier Dam

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 8 Model Scenarios in the Feather River at Fish Barrier Dam, Year-Round

Alternative 8: Feather River at Fish Barrier Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
JAN	W	48	51	51
	AN	47	50	51
	BN	48	51	51
	D	47	51	51
	C	48	51	51
	AVG	48	51	51
FEB	W	48	51	51
	AN	48	51	51
	BN	48	51	51
	D	49	52	52
	C	49	53	53
	AVG	48	51	51
MAR	W	49	51	51
	AN	49	51	51
	BN	50	53	52
	D	51	53	52
	C	51	54	53
	AVG	50	52	52
APR	W	51	52	52
	AN	51	53	52
	BN	52	54	53
	D	52	54	53
	C	52	54	54
	AVG	51	53	53
MAY	W	55	56	55
	AN	56	56	55
	BN	56	56	56
	D	56	56	56
	C	56	57	56
	AVG	55	56	55
JUN	W	57	58	58
	AN	58	58	59
	BN	58	58	59
	D	58	58	59
	C	58	59	59
	AVG	58	58	59
JUL	W	61	61	63
	AN	61	61	62
	BN	61	61	63
	D	61	61	63
	C	61	62	64
	AVG	61	61	63

Alternative 8: Feather River at Fish Barrier Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
AUG	W	61	61	62
	AN	60	60	62
	BN	60	60	63
	D	60	62	63
	C	62	64	65
	AVG	61	61	63
SEP	W	56	55	56
	AN	56	55	58
	BN	56	57	62
	D	56	61	63
	C	58	63	64
	AVG	56	58	60
OCT	W	54	58	57
	AN	55	58	60
	BN	54	58	60
	D	54	59	58
	C	54	58	61
	AVG	54	58	59
NOV	W	52	58	57
	AN	53	58	58
	BN	53	58	59
	D	52	59	58
	C	53	58	59
	AVG	53	58	58
DEC	W	49	53	54
	AN	49	55	54
	BN	49	54	54
	D	49	54	54
	C	49	54	53
	AVG	49	54	54

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Fish Barrier Dam, Year-Round

Alternative 8: Feather River at Fish Barrier Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
JAN	W	3.4 (7%)	0.6 (1.2%)
	AN	3.7 (7.7%)	0.6 (1.2%)
	BN	3.8 (7.9%)	0.7 (1.5%)
	D	4 (8.4%)	0.6 (1.2%)
	C	3.9 (8.1%)	0 (0.1%)
	AVG	3.7 (7.7%)	0.5 (1.1%)
FEB	W	2.9 (6.1%)	0.3 (0.7%)
	AN	2.6 (5.4%)	0 (0.1%)
	BN	3 (6.3%)	0 (0.1%)
	D	2.8 (5.8%)	-0.1 (-0.2%)
	C	3.3 (6.8%)	-0.1 (-0.2%)
	AVG	2.9 (6.1%)	0.1 (0.2%)
MAR	W	2.8 (5.8%)	0.3 (0.7%)
	AN	2.4 (4.9%)	0.2 (0.3%)
	BN	2.1 (4.2%)	-1.1 (-2.1%)
	D	1.3 (2.5%)	-1.1 (-2%)
	C	1.8 (3.6%)	-1.3 (-2.3%)
	AVG	2.2 (4.3%)	-0.5 (-0.9%)
APR	W	1.6 (3.2%)	-0.2 (-0.4%)
	AN	0.9 (1.7%)	-0.8 (-1.6%)
	BN	0.7 (1.3%)	-1 (-1.9%)
	D	1.2 (2.3%)	-0.7 (-1.4%)
	C	2.4 (4.7%)	-0.1 (-0.2%)
	AVG	1.4 (2.7%)	-0.5 (-1%)
MAY	W	-0.1 (-0.1%)	-0.8 (-1.4%)
	AN	-0.6 (-1.1%)	-1.1 (-2%)
	BN	-0.4 (-0.7%)	-0.7 (-1.3%)
	D	0.3 (0.5%)	0 (0%)
	C	0.7 (1.2%)	-0.2 (-0.3%)
	AVG	0 (0%)	-0.6 (-1%)
JUN	W	0.6 (1.1%)	0.2 (0.3%)
	AN	0.8 (1.4%)	0.5 (0.8%)
	BN	0.9 (1.5%)	0.6 (1.1%)
	D	1.4 (2.4%)	0.8 (1.4%)
	C	1.4 (2.4%)	0.2 (0.4%)
	AVG	1 (1.7%)	0.4 (0.8%)
JUL	W	1.4 (2.2%)	1.3 (2%)
	AN	1.7 (2.7%)	1.4 (2.2%)
	BN	2.2 (3.6%)	1.8 (2.9%)
	D	2.4 (3.9%)	1.8 (3%)
	C	3.1 (5%)	1.6 (2.6%)
	AVG	2 (3.3%)	1.5 (2.5%)

Alternative 8: Feather River at Fish Barrier Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
AUG	W	1.3 (2.2%)	1.6 (2.6%)
	AN	1.7 (2.8%)	1.5 (2.4%)
	BN	2.9 (4.8%)	2.3 (3.8%)
	D	3.5 (5.9%)	1.7 (2.7%)
	C	3 (4.8%)	0.5 (0.8%)
	AVG	2.4 (3.9%)	1.6 (2.5%)
SEP	W	0.2 (0.4%)	0.8 (1.4%)
	AN	2.1 (3.7%)	2.6 (4.6%)
	BN	6.5 (11.7%)	5 (8.7%)
	D	7.2 (13%)	2.3 (3.8%)
	C	6.2 (10.6%)	0.7 (1.2%)
	AVG	4 (7.1%)	2.1 (3.6%)
OCT	W	3.7 (6.9%)	-0.9 (-1.5%)
	AN	4.7 (8.6%)	1.3 (2.3%)
	BN	6.3 (11.6%)	2 (3.4%)
	D	4.7 (8.7%)	-1 (-1.7%)
	C	6.5 (12%)	2.7 (4.7%)
	AVG	4.9 (9.1%)	0.4 (0.7%)
NOV	W	4.3 (8.2%)	-1.6 (-2.7%)
	AN	5.3 (10%)	0.4 (0.7%)
	BN	6 (11.5%)	0.6 (1%)
	D	5.2 (9.9%)	-1.1 (-1.9%)
	C	6.2 (11.8%)	1 (1.7%)
	AVG	5.2 (9.9%)	-0.5 (-0.8%)
DEC	W	4.7 (9.6%)	0.2 (0.4%)
	AN	5.1 (10.3%)	-0.6 (-1%)
	BN	5.6 (11.5%)	0 (0.1%)
	D	4.6 (9.4%)	-0.5 (-0.9%)
	C	4.4 (8.9%)	-0.4 (-0.7%)
	AVG	4.8 (9.9%)	-0.2 (-0.3%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.8.10 Feather River Low-Flow Channel (above Thermalito Afterbay)

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 8 Model Scenarios in the Feather River Low-Flow Channel (above Thermalito Afterbay), Year-Round

Alternative 8: Feather River Low-Flow Channel (above Thermalito Afterbay)				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
JAN	W	47	50	51
	AN	47	50	51
	BN	47	50	51
	D	47	50	51
	C	47	51	51
	AVG	47	50	51
FEB	W	49	51	52
	AN	49	51	51
	BN	49	52	52
	D	49	52	52
	C	50	53	53
	AVG	49	52	52
MAR	W	50	53	53
	AN	51	53	53
	BN	51	54	54
	D	52	55	54
	C	53	56	55
	AVG	51	54	54
APR	W	53	55	55
	AN	55	57	56
	BN	55	57	56
	D	55	57	57
	C	55	57	57
	AVG	55	57	56
MAY	W	59	61	60
	AN	60	62	61
	BN	60	61	61
	D	60	61	61
	C	60	62	61
	AVG	60	61	61
JUN	W	63	65	65
	AN	64	66	66
	BN	64	65	66
	D	64	66	67
	C	63	65	66
	AVG	64	65	66

Alternative 8: Feather River Low-Flow Channel (above Thermalito Afterbay)				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
JUL	W	68	69	70
	AN	67	69	70
	BN	67	69	70
	D	67	69	70
	C	67	70	71
	AVG	67	69	70
AUG	W	66	68	69
	AN	65	67	68
	BN	66	68	69
	D	65	68	69
	C	67	70	70
	AVG	66	68	69
SEP	W	60	61	62
	AN	60	61	63
	BN	60	62	66
	D	60	65	66
	C	61	66	67
	AVG	60	63	64
OCT	W	55	60	59
	AN	57	60	61
	BN	56	60	62
	D	56	61	60
	C	56	60	62
	AVG	56	60	60
NOV	W	52	58	56
	AN	53	58	58
	BN	53	58	58
	D	53	58	57
	C	53	58	59
	AVG	53	58	58
DEC	W	48	53	53
	AN	49	54	53
	BN	48	53	53
	D	48	53	53
	C	48	53	52
	AVG	48	53	53

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather Low-Flow Channel (above Thermalito Afterbay), Year-Round

Alternative 8: Feather River Low-Flow Channel (above Thermalito Afterbay)			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
JAN	W	3.3 (7%)	0.5 (1%)
	AN	3.5 (7.5%)	0.5 (0.9%)
	BN	3.6 (7.6%)	0.6 (1.2%)
	D	3.8 (8%)	0.5 (1%)
	C	3.6 (7.8%)	0 (0%)
	AVG	3.5 (7.5%)	0.4 (0.9%)
FEB	W	2.9 (6%)	0.3 (0.5%)
	AN	2.6 (5.4%)	0 (0.1%)
	BN	3 (6.1%)	0 (0.1%)
	D	2.8 (5.6%)	-0.1 (-0.2%)
	C	3.3 (6.6%)	-0.1 (-0.2%)
	AVG	2.9 (5.9%)	0.1 (0.1%)
MAR	W	2.7 (5.4%)	0.2 (0.5%)
	AN	2.4 (4.7%)	0.1 (0.2%)
	BN	2.2 (4.2%)	-0.9 (-1.6%)
	D	1.6 (3%)	-0.8 (-1.5%)
	C	2 (3.9%)	-0.9 (-1.7%)
	AVG	2.2 (4.3%)	-0.4 (-0.7%)
APR	W	1.7 (3.2%)	-0.2 (-0.3%)
	AN	1.3 (2.4%)	-0.6 (-1.1%)
	BN	1.1 (2.1%)	-0.7 (-1.3%)
	D	1.6 (2.9%)	-0.5 (-1%)
	C	2.5 (4.5%)	-0.1 (-0.1%)
	AVG	1.7 (3%)	-0.4 (-0.7%)
MAY	W	0.9 (1.5%)	-0.5 (-0.9%)
	AN	0.6 (1%)	-0.7 (-1.2%)
	BN	0.7 (1.1%)	-0.5 (-0.8%)
	D	1.2 (1.9%)	0 (0%)
	C	1.4 (2.4%)	-0.1 (-0.2%)
	AVG	1 (1.6%)	-0.4 (-0.6%)
JUN	W	1.7 (2.7%)	0.1 (0.2%)
	AN	2 (3.2%)	0.3 (0.4%)
	BN	2 (3.1%)	0.4 (0.6%)
	D	2.4 (3.7%)	0.5 (0.8%)
	C	2.3 (3.6%)	0.2 (0.2%)
	AVG	2 (3.2%)	0.3 (0.4%)
JUL	W	2.4 (3.5%)	0.8 (1.1%)
	AN	2.6 (3.9%)	0.9 (1.3%)
	BN	2.9 (4.3%)	1.1 (1.6%)
	D	3.1 (4.6%)	1.1 (1.7%)
	C	3.6 (5.4%)	1 (1.4%)
	AVG	2.8 (4.2%)	1 (1.4%)

Alternative 8: Feather River Low-Flow Channel (above Thermalito Afterbay)			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
AUG	W	2.5 (3.8%)	1 (1.5%)
	AN	2.7 (4.1%)	1 (1.4%)
	BN	3.5 (5.3%)	1.5 (2.2%)
	D	3.9 (6%)	1.1 (1.6%)
	C	3.5 (5.3%)	0.3 (0.5%)
	AVG	3.2 (4.8%)	1 (1.5%)
SEP	W	1.4 (2.3%)	0.6 (0.9%)
	AN	2.7 (4.5%)	1.9 (3.1%)
	BN	5.9 (9.7%)	3.6 (5.7%)
	D	6.5 (10.9%)	1.7 (2.6%)
	C	5.6 (9.1%)	0.5 (0.8%)
	AVG	4.1 (6.8%)	1.5 (2.4%)
OCT	W	3.6 (6.6%)	-0.7 (-1.1%)
	AN	4.4 (7.8%)	1.1 (1.8%)
	BN	5.8 (10.3%)	1.6 (2.7%)
	D	4.4 (7.9%)	-0.8 (-1.3%)
	C	6 (10.6%)	2.2 (3.7%)
	AVG	4.6 (8.3%)	0.4 (0.6%)
NOV	W	4.1 (7.8%)	-1.3 (-2.3%)
	AN	4.9 (9.3%)	0.3 (0.5%)
	BN	5.5 (10.5%)	0.5 (0.9%)
	D	4.8 (9.2%)	-0.9 (-1.6%)
	C	5.7 (10.8%)	0.8 (1.4%)
	AVG	4.9 (9.2%)	-0.4 (-0.7%)
DEC	W	4.4 (9.1%)	0.2 (0.3%)
	AN	4.7 (9.7%)	-0.5 (-0.9%)
	BN	5.1 (10.6%)	0 (0.1%)
	D	4.3 (9%)	-0.4 (-0.8%)
	C	4.1 (8.6%)	-0.3 (-0.6%)
	AVG	4.5 (9.3%)	-0.1 (-0.3%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.8.11 Feather River High-Flow Channel (below Thermalito Afterbay)

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 8 Model Scenarios in the Feather River High-Flow Channel (below Thermalito Afterbay), Year-Round

Alternative 8: Feather River High-Flow Channel (below Thermalito Afterbay)				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
JAN	W	47	50	50
	AN	47	50	50
	BN	46	49	50
	D	46	49	49
	C	46	50	50
	AVG	47	49	50
FEB	W	49	52	52
	AN	49	52	52
	BN	49	52	52
	D	50	53	53
	C	51	54	54
	AVG	50	52	52
MAR	W	51	54	54
	AN	52	54	54
	BN	53	56	55
	D	54	57	56
	C	54	57	57
	AVG	53	55	55
APR	W	55	57	56
	AN	57	59	57
	BN	58	59	58
	D	57	60	59
	C	57	60	61
	AVG	57	59	58
MAY	W	61	63	61
	AN	63	64	64
	BN	63	65	64
	D	63	65	65
	C	63	66	66
	AVG	62	64	64
JUN	W	66	68	68
	AN	67	70	71
	BN	67	70	71
	D	68	71	72
	C	68	71	71
	AVG	67	70	70

Alternative 8: Feather River High-Flow Channel (below Thermalito Afterbay)				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
JUL	W	70	70	74
	AN	68	69	74
	BN	68	70	75
	D	68	70	75
	C	70	74	77
	AVG	69	71	75
AUG	W	70	70	74
	AN	67	69	73
	BN	68	70	74
	D	67	71	73
	C	70	74	75
	AVG	69	71	74
SEP	W	64	63	67
	AN	64	64	68
	BN	65	68	68
	D	64	67	68
	C	64	69	69
	AVG	64	66	68
OCT	W	58	62	62
	AN	60	63	64
	BN	59	63	64
	D	58	63	63
	C	59	63	64
	AVG	59	63	63
NOV	W	53	57	56
	AN	54	58	58
	BN	53	57	58
	D	53	57	57
	C	53	57	58
	AVG	53	57	57
DEC	W	48	51	51
	AN	48	52	52
	BN	47	51	51
	D	47	51	51
	C	47	50	51
	AVG	47	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather High-Flow Channel (below Thermalito Afterbay), Year-Round

Alternative 8: Feather River High-Flow Channel (below Thermalito Afterbay)			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
JAN	W	3.3 (7%)	0.6 (1.2%)
	AN	3.3 (7.1%)	0.4 (0.8%)
	BN	3.5 (7.6%)	0.8 (1.6%)
	D	3.2 (6.9%)	0.3 (0.6%)
	C	3.5 (7.5%)	0.2 (0.4%)
	AVG	3.3 (7.2%)	0.5 (1%)
FEB	W	2.8 (5.7%)	0.1 (0.2%)
	AN	2.6 (5.2%)	-0.5 (-1%)
	BN	2.7 (5.4%)	-0.3 (-0.5%)
	D	2.5 (5%)	-0.3 (-0.5%)
	C	3.1 (6%)	0 (-0.1%)
	AVG	2.7 (5.5%)	-0.1 (-0.3%)
MAR	W	2.3 (4.5%)	0 (0%)
	AN	1.2 (2.3%)	-0.5 (-0.9%)
	BN	1.8 (3.4%)	-1.2 (-2.1%)
	D	1.4 (2.6%)	-1.1 (-1.9%)
	C	3.2 (5.9%)	0.2 (0.3%)
	AVG	2 (3.8%)	-0.5 (-0.9%)
APR	W	0.5 (1%)	-1.5 (-2.6%)
	AN	-0.1 (-0.2%)	-2.4 (-4%)
	BN	0.1 (0.2%)	-1.6 (-2.7%)
	D	1.7 (3%)	-0.6 (-1%)
	C	3.4 (6%)	0.9 (1.5%)
	AVG	1.1 (1.9%)	-1.1 (-1.8%)
MAY	W	0.9 (1.4%)	-1.9 (-3%)
	AN	1.1 (1.7%)	-0.6 (-0.9%)
	BN	0.9 (1.4%)	-1.2 (-1.9%)
	D	2.3 (3.6%)	0 (-0.1%)
	C	3.1 (4.9%)	0.9 (1.3%)
	AVG	1.5 (2.5%)	-0.8 (-1.2%)
JUN	W	2.8 (4.2%)	0.1 (0.1%)
	AN	3.6 (5.3%)	1 (1.5%)
	BN	3.3 (4.9%)	1 (1.4%)
	D	3.6 (5.3%)	0.7 (1%)
	C	3.5 (5.2%)	0.5 (0.7%)
	AVG	3.3 (4.9%)	0.6 (0.8%)
JUL	W	4.9 (7%)	4.4 (6.3%)
	AN	6.5 (9.5%)	5.1 (7.3%)
	BN	7 (10.3%)	5 (7.2%)
	D	6.9 (10.1%)	4.6 (6.5%)
	C	6.8 (9.8%)	2.6 (3.5%)
	AVG	6.2 (9%)	4.4 (6.2%)

Alternative 8: Feather River High-Flow Channel (below Thermalito Afterbay)			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
AUG	W	3.8 (5.5%)	3.1 (4.4%)
	AN	5.4 (8%)	3.6 (5.3%)
	BN	5.7 (8.3%)	3.5 (5%)
	D	6.2 (9.3%)	2.3 (3.2%)
	C	5.3 (7.5%)	1.2 (1.6%)
	AVG	5.1 (7.4%)	2.8 (3.9%)
SEP	W	3.1 (4.8%)	3.8 (6%)
	AN	3.7 (5.7%)	4.1 (6.4%)
	BN	3.2 (5%)	0.3 (0.5%)
	D	4.1 (6.3%)	1.5 (2.3%)
	C	5.2 (8%)	0.3 (0.4%)
	AVG	3.7 (5.8%)	2.2 (3.4%)
OCT	W	4 (6.9%)	0.1 (0.1%)
	AN	4.1 (6.9%)	0.7 (1.1%)
	BN	5.1 (8.6%)	1.4 (2.3%)
	D	4.2 (7.3%)	0 (-0.1%)
	C	5.2 (8.8%)	1.4 (2.2%)
	AVG	4.4 (7.6%)	0.6 (0.9%)
NOV	W	3.7 (7.1%)	-0.6 (-1%)
	AN	4.2 (7.8%)	0.2 (0.4%)
	BN	4.8 (9.1%)	0.7 (1.2%)
	D	4.3 (8.2%)	-0.4 (-0.6%)
	C	4.9 (9.1%)	0.8 (1.5%)
	AVG	4.3 (8.1%)	0 (0%)
DEC	W	3.7 (7.9%)	0.3 (0.5%)
	AN	4 (8.3%)	-0.5 (-1%)
	BN	4.4 (9.4%)	0.2 (0.4%)
	D	4 (8.5%)	-0.1 (-0.2%)
	C	4 (8.7%)	0.2 (0.4%)
	AVG	4 (8.4%)	0.1 (0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.8.12 Feather River at Gridley Dam

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 8 Model Scenarios in the Feather River at Gridley Dam, Year-Round

Alternative 8: Feather River at Gridley Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
JAN	W	47	50	50
	AN	47	49	50
	BN	46	49	50
	D	46	48	49
	C	46	49	50
	AVG	46	49	50
FEB	W	49	52	52
	AN	49	52	52
	BN	50	53	52
	D	50	53	53
	C	51	54	54
	AVG	50	53	52
MAR	W	51	54	54
	AN	53	54	54
	BN	54	57	55
	D	55	57	56
	C	54	57	57
	AVG	53	56	55
APR	W	56	58	56
	AN	58	60	57
	BN	59	61	58
	D	59	61	60
	C	58	61	61
	AVG	58	60	58
MAY	W	61	64	62
	AN	64	66	65
	BN	64	66	64
	D	64	66	66
	C	64	67	67
	AVG	63	66	64
JUN	W	67	69	69
	AN	69	71	72
	BN	69	71	72
	D	69	72	73
	C	69	72	72
	AVG	68	71	71
JUL	W	70	71	76
	AN	69	70	76
	BN	69	71	76
	D	69	71	76
	C	71	75	78
	AVG	70	72	76

Alternative 8: Feather River at Gridley Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
AUG	W	71	71	75
	AN	68	70	74
	BN	69	71	75
	D	68	72	75
	C	71	75	76
	AVG	69	72	75
SEP	W	65	64	68
	AN	65	64	69
	BN	66	69	70
	D	65	68	70
	C	66	70	70
	AVG	65	67	69
OCT	W	59	63	63
	AN	60	63	64
	BN	60	63	65
	D	59	63	63
	C	59	63	64
	AVG	59	63	64
NOV	W	53	57	56
	AN	54	58	58
	BN	53	57	58
	D	53	57	57
	C	54	57	58
	AVG	53	57	57
DEC	W	48	51	51
	AN	47	52	51
	BN	47	51	51
	D	47	51	50
	C	46	50	50
	AVG	47	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Gridley Dam, Year-Round

Alternative 8: Feather River at Gridley Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
JAN	W	3.3 (6.9%)	0.6 (1.2%)
	AN	3.3 (7.1%)	0.4 (0.8%)
	BN	3.4 (7.5%)	0.7 (1.5%)
	D	3.1 (6.9%)	0.3 (0.7%)
	C	3.4 (7.4%)	0.2 (0.4%)
	AVG	3.3 (7.1%)	0.5 (1%)
FEB	W	2.8 (5.6%)	0.1 (0.2%)
	AN	2.5 (5.1%)	-0.6 (-1.1%)
	BN	2.6 (5.3%)	-0.4 (-0.7%)
	D	2.4 (4.9%)	-0.3 (-0.6%)
	C	3 (5.9%)	-0.1 (-0.2%)
	AVG	2.7 (5.4%)	-0.2 (-0.4%)
MAR	W	2.3 (4.4%)	0 (0%)
	AN	1.2 (2.3%)	-0.5 (-0.9%)
	BN	1.7 (3.1%)	-1.3 (-2.4%)
	D	1.2 (2.3%)	-1.2 (-2.2%)
	C	2.8 (5.2%)	-0.1 (-0.1%)
	AVG	1.9 (3.5%)	-0.6 (-1.1%)
APR	W	0.4 (0.7%)	-1.6 (-2.8%)
	AN	-0.6 (-1%)	-2.8 (-4.7%)
	BN	-0.5 (-0.9%)	-2.4 (-3.9%)
	D	1 (1.8%)	-1.3 (-2.1%)
	C	3 (5.1%)	0.5 (0.8%)
	AVG	0.6 (1.1%)	-1.5 (-2.6%)
MAY	W	0.7 (1.2%)	-2.3 (-3.5%)
	AN	0.6 (0.9%)	-1.3 (-1.9%)
	BN	0.3 (0.5%)	-1.8 (-2.7%)
	D	1.9 (2.9%)	-0.3 (-0.4%)
	C	2.8 (4.4%)	0.5 (0.8%)
	AVG	1.2 (1.9%)	-1.2 (-1.8%)
JUN	W	2.9 (4.3%)	0.1 (0.1%)
	AN	3.6 (5.3%)	1.1 (1.6%)
	BN	3.4 (4.9%)	1.1 (1.5%)
	D	3.9 (5.6%)	1 (1.4%)
	C	3.5 (5.2%)	0.5 (0.7%)
	AVG	3.4 (5%)	0.7 (0.9%)
JUL	W	5.2 (7.4%)	4.6 (6.5%)
	AN	6.9 (10.1%)	5.4 (7.7%)
	BN	7.6 (11.1%)	5.5 (7.7%)
	D	7.5 (10.8%)	5 (7%)
	C	7 (10%)	2.6 (3.5%)
	AVG	6.6 (9.5%)	4.7 (6.5%)

Alternative 8: Feather River at Gridley Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
AUG	W	4.2 (5.9%)	3.5 (5%)
	AN	5.8 (8.5%)	3.9 (5.6%)
	BN	6.3 (9.1%)	4 (5.6%)
	D	6.9 (10.2%)	2.6 (3.6%)
	C	5.1 (7.2%)	1 (1.3%)
	AVG	5.5 (7.9%)	3.1 (4.3%)
SEP	W	2.7 (4.2%)	4 (6.2%)
	AN	3.7 (5.6%)	4.5 (6.9%)
	BN	3.8 (5.8%)	1 (1.4%)
	D	4.5 (6.9%)	1.2 (1.7%)
	C	4.9 (7.5%)	0.2 (0.3%)
	AVG	3.8 (5.8%)	2.3 (3.5%)
OCT	W	4.1 (6.9%)	0.2 (0.3%)
	AN	4 (6.7%)	0.7 (1.1%)
	BN	5 (8.4%)	1.4 (2.2%)
	D	4.2 (7.1%)	0 (0.1%)
	C	5 (8.5%)	1.3 (2%)
	AVG	4.4 (7.4%)	0.6 (0.9%)
NOV	W	3.7 (6.9%)	-0.5 (-0.9%)
	AN	4.1 (7.6%)	0.2 (0.3%)
	BN	4.6 (8.7%)	0.6 (1%)
	D	4.2 (7.9%)	-0.3 (-0.6%)
	C	4.7 (8.7%)	0.7 (1.2%)
	AVG	4.1 (7.8%)	0 (0%)
DEC	W	3.6 (7.6%)	0.2 (0.5%)
	AN	3.8 (8%)	-0.6 (-1.1%)
	BN	4.2 (9%)	0.1 (0.2%)
	D	3.8 (8.2%)	-0.1 (-0.3%)
	C	3.9 (8.3%)	0.1 (0.3%)
	AVG	3.8 (8.2%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.8.13 Feather River at Honcut Creek

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 8 Model Scenarios in the Feather River at Honcut Creek, Year-Round

Alternative 8: Feather River at Honcut Creek				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
JAN	W	47	50	50
	AN	46	49	50
	BN	46	49	49
	D	45	48	49
	C	46	49	49
	AVG	46	49	50
FEB	W	49	52	52
	AN	49	53	52
	BN	50	53	52
	D	50	53	53
	C	51	54	54
	AVG	50	53	52
MAR	W	52	54	54
	AN	53	55	54
	BN	54	57	55
	D	55	58	56
	C	55	58	58
	AVG	53	56	55
APR	W	56	58	56
	AN	59	61	58
	BN	60	62	59
	D	60	62	60
	C	59	62	62
	AVG	58	61	59
MAY	W	62	65	63
	AN	65	67	65
	BN	65	67	65
	D	65	67	67
	C	65	68	68
	AVG	64	67	65
JUN	W	67	70	70
	AN	69	72	73
	BN	69	72	73
	D	70	73	74
	C	69	73	73
	AVG	69	72	72
JUL	W	71	72	76
	AN	69	71	76
	BN	69	72	77
	D	69	72	77
	C	71	76	78
	AVG	70	72	77

Alternative 8: Feather River at Honcut Creek				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
AUG	W	72	72	76
	AN	69	71	75
	BN	69	72	76
	D	68	73	76
	C	72	76	77
	AVG	70	73	76
SEP	W	66	64	68
	AN	66	65	70
	BN	67	69	71
	D	66	70	71
	C	66	71	71
	AVG	66	68	70
OCT	W	59	63	63
	AN	60	64	64
	BN	60	64	65
	D	59	63	63
	C	60	64	65
	AVG	60	63	64
NOV	W	53	57	56
	AN	54	58	58
	BN	53	57	57
	D	53	57	57
	C	54	57	58
	AVG	53	57	57
DEC	W	47	51	51
	AN	47	52	51
	BN	46	51	51
	D	46	50	50
	C	46	50	50
	AVG	47	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Honcut Creek, Year-Round

Alternative 8: Feather River at Honcut Creek			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
JAN	W	3.3 (7%)	0.6 (1.2%)
	AN	3.3 (7.2%)	0.4 (0.8%)
	BN	3.4 (7.5%)	0.7 (1.5%)
	D	3.1 (6.9%)	0.3 (0.7%)
	C	3.3 (7.2%)	0.1 (0.2%)
	AVG	3.3 (7.1%)	0.5 (0.9%)
FEB	W	2.8 (5.6%)	0.1 (0.2%)
	AN	2.4 (4.8%)	-0.7 (-1.3%)
	BN	2.5 (5.1%)	-0.4 (-0.8%)
	D	2.4 (4.7%)	-0.4 (-0.8%)
	C	2.9 (5.7%)	-0.1 (-0.3%)
	AVG	2.6 (5.2%)	-0.2 (-0.5%)
MAR	W	2.3 (4.4%)	0 (0%)
	AN	1.2 (2.3%)	-0.5 (-1%)
	BN	1.6 (2.9%)	-1.5 (-2.6%)
	D	1 (1.9%)	-1.4 (-2.5%)
	C	2.6 (4.7%)	-0.3 (-0.4%)
	AVG	1.8 (3.3%)	-0.7 (-1.2%)
APR	W	0.2 (0.4%)	-1.8 (-3.2%)
	AN	-1 (-1.7%)	-3.3 (-5.4%)
	BN	-1 (-1.7%)	-3 (-4.8%)
	D	0.5 (0.8%)	-1.8 (-3%)
	C	2.6 (4.3%)	0.1 (0.2%)
	AVG	0.2 (0.4%)	-1.9 (-3.2%)
MAY	W	0.6 (1%)	-2.6 (-3.9%)
	AN	0.3 (0.4%)	-1.8 (-2.7%)
	BN	-0.1 (-0.1%)	-2.1 (-3.1%)
	D	1.6 (2.4%)	-0.5 (-0.7%)
	C	2.6 (4%)	0.3 (0.4%)
	AVG	1 (1.5%)	-1.5 (-2.2%)
JUN	W	2.9 (4.4%)	0.1 (0.1%)
	AN	3.7 (5.3%)	1.2 (1.7%)
	BN	3.4 (4.8%)	1.1 (1.5%)
	D	4.1 (5.8%)	1.1 (1.5%)
	C	3.6 (5.2%)	0.4 (0.6%)
	AVG	3.5 (5%)	0.7 (1%)
JUL	W	5.4 (7.6%)	4.7 (6.5%)
	AN	7.1 (10.3%)	5.5 (7.7%)
	BN	8 (11.5%)	5.6 (7.9%)
	D	7.8 (11.3%)	5.2 (7.2%)
	C	7.1 (10%)	2.7 (3.5%)
	AVG	6.9 (9.8%)	4.8 (6.6%)

Alternative 8: Feather River at Honcut Creek			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
AUG	W	4.4 (6.2%)	3.7 (5.2%)
	AN	5.9 (8.7%)	4 (5.7%)
	BN	6.7 (9.6%)	4.2 (5.9%)
	D	7.3 (10.7%)	2.8 (3.8%)
	C	5 (6.9%)	0.7 (0.9%)
	AVG	5.7 (8.2%)	3.2 (4.4%)
SEP	W	2.5 (3.8%)	4.1 (6.3%)
	AN	3.7 (5.5%)	4.6 (7.1%)
	BN	4.3 (6.4%)	1.4 (2%)
	D	4.8 (7.3%)	1 (1.4%)
	C	4.8 (7.2%)	0.2 (0.3%)
	AVG	3.8 (5.8%)	2.4 (3.6%)
OCT	W	4.1 (6.9%)	0.2 (0.3%)
	AN	3.9 (6.5%)	0.7 (1%)
	BN	4.9 (8.2%)	1.3 (2%)
	D	4.1 (6.9%)	0.1 (0.1%)
	C	5 (8.3%)	1.2 (1.9%)
	AVG	4.3 (7.3%)	0.6 (0.9%)
NOV	W	3.6 (6.8%)	-0.5 (-0.9%)
	AN	4 (7.5%)	0.1 (0.3%)
	BN	4.4 (8.3%)	0.5 (0.8%)
	D	4 (7.6%)	-0.3 (-0.6%)
	C	4.5 (8.4%)	0.6 (1.1%)
	AVG	4 (7.6%)	0 (-0.1%)
DEC	W	3.6 (7.5%)	0.2 (0.4%)
	AN	3.7 (7.9%)	-0.6 (-1.1%)
	BN	4 (8.7%)	0 (0%)
	D	3.7 (7.9%)	-0.2 (-0.4%)
	C	3.6 (7.9%)	0.1 (0.1%)
	AVG	3.7 (7.9%)	0 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.8.14 Feather River at the Confluence with the Sacramento River

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 8 Model Scenarios in the Feather River at Confluence with the Sacramento River, Year-Round

Alternative 8: Feather River at the Confluence with the Sacramento River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
JAN	W	47	48	49
	AN	46	48	48
	BN	46	47	48
	D	45	47	47
	C	45	48	48
	AVG	46	48	48
FEB	W	50	52	52
	AN	50	52	52
	BN	50	51	52
	D	50	52	52
	C	51	53	53
	AVG	50	52	52
MAR	W	53	55	55
	AN	54	56	56
	BN	55	57	56
	D	55	57	57
	C	56	58	58
	AVG	55	56	56
APR	W	59	60	59
	AN	60	62	61
	BN	61	62	61
	D	62	64	63
	C	63	65	65
	AVG	61	63	61
MAY	W	65	68	66
	AN	66	69	68
	BN	67	69	68
	D	68	70	70
	C	68	71	71
	AVG	66	69	68
JUN	W	70	73	73
	AN	71	75	76
	BN	72	75	76
	D	73	77	78
	C	72	76	76
	AVG	71	75	76

Alternative 8: Feather River at the Confluence with the Sacramento River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
JUL	W	74	76	80
	AN	72	75	79
	BN	73	76	80
	D	73	76	81
	C	75	79	81
	AVG	73	76	80
AUG	W	73	76	79
	AN	71	74	77
	BN	72	75	78
	D	72	76	79
	C	75	79	79
	AVG	73	76	78
SEP	W	71	70	73
	AN	70	70	73
	BN	70	73	74
	D	70	74	75
	C	70	74	74
	AVG	70	72	74
OCT	W	61	64	64
	AN	62	64	65
	BN	61	64	65
	D	61	64	64
	C	62	65	66
	AVG	61	64	65
NOV	W	52	55	55
	AN	53	56	56
	BN	53	55	55
	D	52	55	55
	C	53	56	56
	AVG	53	55	55
DEC	W	47	49	49
	AN	47	50	49
	BN	46	49	48
	D	46	49	48
	C	45	47	47
	AVG	46	49	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at the Confluence with the Sacramento River, Year-Round

Alternative 8: Feather River at the Confluence with the Sacramento River			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
JAN	W	2.4 (5.1%)	0.5 (1%)
	AN	2.4 (5.1%)	0.5 (1.1%)
	BN	2.4 (5.3%)	0.6 (1.3%)
	D	2.4 (5.3%)	0.3 (0.7%)
	C	2.3 (5%)	0 (-0.1%)
	AVG	2.4 (5.2%)	0.4 (0.8%)
FEB	W	2.1 (4.1%)	0.2 (0.3%)
	AN	1.9 (3.8%)	-0.1 (-0.1%)
	BN	1.9 (3.9%)	0.2 (0.4%)
	D	2.2 (4.3%)	0.2 (0.5%)
	C	2.3 (4.5%)	0.1 (0.2%)
	AVG	2.1 (4.1%)	0.2 (0.3%)
MAR	W	1.7 (3.3%)	0 (0%)
	AN	1.2 (2.3%)	-0.1 (-0.2%)
	BN	1.5 (2.7%)	-0.4 (-0.7%)
	D	1.4 (2.6%)	-0.3 (-0.6%)
	C	1.9 (3.5%)	-0.1 (-0.2%)
	AVG	1.6 (2.9%)	-0.2 (-0.3%)
APR	W	0.6 (1%)	-1 (-1.7%)
	AN	0.4 (0.6%)	-1.5 (-2.4%)
	BN	0.2 (0.3%)	-1.5 (-2.4%)
	D	0.7 (1.1%)	-1.3 (-2.1%)
	C	1.8 (2.9%)	-0.4 (-0.6%)
	AVG	0.7 (1.1%)	-1.1 (-1.8%)
MAY	W	1.6 (2.5%)	-1.4 (-2.1%)
	AN	1.8 (2.7%)	-1.2 (-1.7%)
	BN	1.3 (2%)	-1.2 (-1.8%)
	D	2.2 (3.2%)	-0.5 (-0.7%)
	C	2.5 (3.7%)	-0.2 (-0.2%)
	AVG	1.8 (2.8%)	-1 (-1.4%)
JUN	W	3.6 (5.2%)	0.2 (0.2%)
	AN	4.4 (6.2%)	1.1 (1.4%)
	BN	4.1 (5.8%)	0.8 (1%)
	D	4.7 (6.5%)	1 (1.3%)
	C	3.9 (5.4%)	0.4 (0.5%)
	AVG	4.1 (5.8%)	0.6 (0.8%)
JUL	W	6.3 (8.6%)	3.7 (4.8%)
	AN	7 (9.6%)	4.3 (5.7%)
	BN	7.6 (10.4%)	4.5 (5.9%)
	D	7.8 (10.7%)	4.4 (5.8%)
	C	6.6 (8.9%)	2.1 (2.6%)
	AVG	7 (9.5%)	3.8 (5%)

Alternative 8: Feather River at the Confluence with the Sacramento River			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
AUG	W	5.5 (7.6%)	3 (4%)
	AN	5.7 (7.9%)	3 (4%)
	BN	6.3 (8.7%)	3.2 (4.3%)
	D	7.2 (10.1%)	2.5 (3.3%)
	C	4.8 (6.4%)	0.4 (0.6%)
	AVG	5.9 (8.2%)	2.6 (3.4%)
SEP	W	2.6 (3.7%)	3.3 (4.7%)
	AN	3.5 (5%)	3.6 (5.1%)
	BN	4.3 (6.1%)	1.3 (1.7%)
	D	4.7 (6.7%)	0.3 (0.4%)
	C	4 (5.7%)	0.3 (0.4%)
	AVG	3.7 (5.2%)	1.9 (2.6%)
OCT	W	3.4 (5.6%)	0.2 (0.4%)
	AN	2.9 (4.7%)	0.3 (0.5%)
	BN	3.5 (5.7%)	0.6 (0.9%)
	D	3.2 (5.3%)	0.1 (0.2%)
	C	3.7 (5.9%)	0.4 (0.6%)
	AVG	3.3 (5.5%)	0.3 (0.5%)
NOV	W	2.4 (4.6%)	-0.4 (-0.7%)
	AN	2.7 (5%)	-0.2 (-0.4%)
	BN	2.6 (5%)	-0.2 (-0.3%)
	D	2.5 (4.8%)	-0.3 (-0.5%)
	C	2.6 (5%)	-0.1 (-0.3%)
	AVG	2.5 (4.8%)	-0.3 (-0.5%)
DEC	W	1.9 (4%)	0 (0%)
	AN	2.3 (4.9%)	-0.6 (-1.2%)
	BN	2.4 (5.3%)	-0.3 (-0.7%)
	D	1.8 (4%)	-0.7 (-1.5%)
	C	2 (4.4%)	-0.4 (-0.8%)
	AVG	2 (4.4%)	-0.4 (-0.8%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.8.15 American River below Nimbus Dam

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 8 Model Scenarios in the American River below Nimbus Dam, Year-Round

Alternative 8: American River below Nimbus Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
JAN	W	47	50	50
	AN	47	49	49
	BN	46	49	49
	D	47	49	49
	C	47	50	50
	AVG	47	50	50
FEB	W	48	51	51
	AN	48	52	51
	BN	47	51	51
	D	49	52	52
	C	51	54	54
	AVG	48	52	52
MAR	W	52	55	55
	AN	53	56	56
	BN	53	56	56
	D	53	57	56
	C	55	58	58
	AVG	53	56	56
APR	W	56	59	59
	AN	57	60	60
	BN	57	61	61
	D	59	62	61
	C	59	63	62
	AVG	58	60	60
MAY	W	60	64	64
	AN	61	66	66
	BN	61	65	65
	D	64	67	66
	C	64	68	67
	AVG	62	66	65
JUN	W	64	67	67
	AN	65	68	68
	BN	65	68	68
	D	67	69	69
	C	68	72	71
	AVG	66	68	68
JUL	W	66	68	69
	AN	66	66	69
	BN	66	67	68
	D	67	69	70
	C	70	74	78
	AVG	67	69	70

Alternative 8: American River below Nimbus Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
AUG	W	67	70	70
	AN	67	69	69
	BN	67	69	69
	D	67	71	72
	C	70	76	77
	AVG	67	71	71
SEP	W	65	68	67
	AN	66	69	68
	BN	66	69	69
	D	66	71	72
	C	68	73	74
	AVG	66	70	70
OCT	W	58	68	67
	AN	59	68	68
	BN	58	68	67
	D	59	67	67
	C	61	68	67
	AVG	59	68	67
NOV	W	57	61	61
	AN	57	61	61
	BN	56	61	60
	D	57	61	60
	C	58	61	61
	AVG	57	61	61
DEC	W	50	53	53
	AN	51	53	53
	BN	50	52	52
	D	50	53	53
	C	50	52	52
	AVG	50	53	53

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River below Nimbus Dam, Year-Round

Alternative 8: American River below Nimbus Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
JAN	W	3.1 (6.7%)	0 (0%)
	AN	2.7 (5.7%)	0 (0.1%)
	BN	3.1 (6.7%)	0.1 (0.2%)
	D	2.8 (6%)	0 (-0.1%)
	C	2.7 (5.8%)	-0.3 (-0.5%)
	AVG	2.9 (6.3%)	0 (0%)
FEB	W	3.4 (7.1%)	0 (-0.1%)
	AN	3.5 (7.4%)	-0.3 (-0.5%)
	BN	3.3 (6.9%)	0 (0%)
	D	3.5 (7.2%)	0.1 (0.1%)
	C	3.2 (6.4%)	-0.1 (-0.1%)
	AVG	3.4 (7%)	0 (-0.1%)
MAR	W	3.1 (6%)	0 (0%)
	AN	3 (5.6%)	0.1 (0.1%)
	BN	2.9 (5.6%)	0.3 (0.6%)
	D	3.1 (5.9%)	-0.3 (-0.5%)
	C	3.1 (5.6%)	0.1 (0.2%)
	AVG	3.1 (5.8%)	0 (0%)
APR	W	2.9 (5.3%)	0 (0%)
	AN	3.3 (5.8%)	0.2 (0.3%)
	BN	3.1 (5.4%)	-0.1 (-0.1%)
	D	2.4 (4%)	-0.2 (-0.3%)
	C	2.9 (4.8%)	-0.3 (-0.6%)
	AVG	2.9 (5%)	-0.1 (-0.1%)
MAY	W	4.1 (6.8%)	-0.1 (-0.2%)
	AN	4.5 (7.4%)	-0.2 (-0.3%)
	BN	4 (6.5%)	-0.2 (-0.3%)
	D	1.9 (3%)	-1.1 (-1.7%)
	C	2.4 (3.7%)	-1.3 (-1.9%)
	AVG	3.4 (5.5%)	-0.5 (-0.8%)
JUN	W	2.9 (4.5%)	-0.1 (-0.2%)
	AN	2.7 (4.1%)	-0.1 (-0.2%)
	BN	3.2 (4.9%)	0.2 (0.3%)
	D	2.1 (3.2%)	0.3 (0.4%)
	C	3.5 (5.2%)	-0.7 (-1%)
	AVG	2.8 (4.3%)	-0.1 (-0.1%)
JUL	W	2.6 (3.9%)	1.1 (1.6%)
	AN	2.6 (3.9%)	2.1 (3.2%)
	BN	2.5 (3.8%)	1.3 (2%)
	D	3.7 (5.6%)	1.5 (2.1%)
	C	7.8 (11.1%)	3.4 (4.5%)
	AVG	3.6 (5.4%)	1.7 (2.5%)

Alternative 8: American River below Nimbus Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
AUG	W	3.5 (5.2%)	0.3 (0.4%)
	AN	1.9 (2.9%)	-0.1 (-0.2%)
	BN	1.7 (2.6%)	-0.1 (-0.1%)
	D	5 (7.4%)	0.8 (1.1%)
	C	7.1 (10.1%)	0.8 (1%)
	AVG	3.8 (5.7%)	0.3 (0.5%)
SEP	W	2.1 (3.2%)	-0.6 (-0.9%)
	AN	2.8 (4.2%)	-0.3 (-0.4%)
	BN	3.2 (4.9%)	0.5 (0.7%)
	D	5.7 (8.6%)	0.7 (1%)
	C	5.5 (8%)	0.6 (0.9%)
	AVG	3.7 (5.6%)	0.1 (0.1%)
OCT	W	8.7 (14.9%)	-0.6 (-0.9%)
	AN	9 (15.2%)	0.3 (0.4%)
	BN	8.8 (15.1%)	-0.9 (-1.4%)
	D	7.9 (13.4%)	-0.4 (-0.6%)
	C	6.6 (10.8%)	-0.8 (-1.2%)
	AVG	8.3 (14%)	-0.5 (-0.8%)
NOV	W	3.8 (6.7%)	0 (-0.1%)
	AN	3.4 (6%)	-0.4 (-0.7%)
	BN	4.2 (7.4%)	-0.2 (-0.3%)
	D	3.7 (6.5%)	-0.2 (-0.3%)
	C	2.8 (4.8%)	-0.8 (-1.3%)
	AVG	3.6 (6.4%)	-0.3 (-0.4%)
DEC	W	2.8 (5.5%)	0.2 (0.3%)
	AN	2.5 (5%)	-0.1 (-0.3%)
	BN	2.7 (5.4%)	0 (-0.1%)
	D	2.6 (5.2%)	-0.1 (-0.1%)
	C	2 (3.9%)	-0.6 (-1.1%)
	AVG	2.6 (5.1%)	-0.1 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.8.16 American River at Watt Avenue

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 8 Model Scenarios in the American River at Watt Avenue, Year-Round

Alternative 8: American River at Watt Avenue				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
JAN	W	47	50	50
	AN	47	49	49
	BN	46	49	49
	D	46	49	49
	C	46	49	49
	AVG	46	49	49
FEB	W	48	52	52
	AN	48	52	52
	BN	48	51	51
	D	49	52	52
	C	51	54	54
	AVG	49	52	52
MAR	W	53	56	56
	AN	53	56	56
	BN	54	56	56
	D	54	57	57
	C	56	58	59
	AVG	54	56	57
APR	W	56	59	59
	AN	58	61	61
	BN	58	61	61
	D	60	63	62
	C	61	64	63
	AVG	58	61	61
MAY	W	61	65	65
	AN	62	67	67
	BN	62	67	66
	D	65	68	67
	C	66	69	68
	AVG	63	67	66
JUN	W	65	68	68
	AN	67	70	70
	BN	67	70	70
	D	69	71	71
	C	69	73	72
	AVG	67	70	70
JUL	W	68	70	71
	AN	67	68	71
	BN	67	69	71
	D	68	71	73
	C	72	76	78
	AVG	68	71	72

Alternative 8: American River at Watt Avenue				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
AUG	W	68	72	72
	AN	69	72	71
	BN	69	72	71
	D	69	73	74
	C	71	77	77
	AVG	69	73	73
SEP	W	66	69	68
	AN	66	70	69
	BN	67	70	71
	D	67	72	73
	C	69	73	74
	AVG	67	71	71
OCT	W	59	67	67
	AN	60	67	68
	BN	59	68	67
	D	60	67	66
	C	61	68	67
	AVG	60	67	67
NOV	W	56	60	60
	AN	56	60	60
	BN	56	60	59
	D	56	59	59
	C	57	60	60
	AVG	56	60	60
DEC	W	50	52	52
	AN	50	52	52
	BN	49	51	51
	D	49	52	52
	C	49	51	50
	AVG	49	52	52

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River at Watt Avenue, Year-Round

Alternative 8: American River at Watt Avenue			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
JAN	W	3.1 (6.7%)	0 (0%)
	AN	2.7 (5.8%)	0 (0.1%)
	BN	2.9 (6.4%)	0 (0.1%)
	D	2.7 (5.9%)	0 (-0.1%)
	C	2.7 (5.8%)	-0.2 (-0.5%)
	AVG	2.9 (6.2%)	0 (-0.1%)
FEB	W	3.4 (7%)	0 (-0.1%)
	AN	3.4 (7.1%)	-0.3 (-0.5%)
	BN	3.1 (6.6%)	0 (-0.1%)
	D	3.3 (6.7%)	0.1 (0.1%)
	C	3.2 (6.3%)	0 (-0.1%)
	AVG	3.3 (6.8%)	0 (-0.1%)
MAR	W	3 (5.7%)	0 (0%)
	AN	2.9 (5.5%)	0.1 (0.2%)
	BN	2.8 (5.2%)	0.2 (0.4%)
	D	3 (5.5%)	-0.2 (-0.4%)
	C	2.9 (5.2%)	0.2 (0.3%)
	AVG	2.9 (5.5%)	0 (0.1%)
APR	W	2.8 (5%)	0 (-0.1%)
	AN	3.3 (5.6%)	0.1 (0.2%)
	BN	2.9 (4.9%)	-0.1 (-0.2%)
	D	2.2 (3.7%)	-0.3 (-0.5%)
	C	2.4 (3.9%)	-0.4 (-0.7%)
	AVG	2.7 (4.6%)	-0.2 (-0.3%)
MAY	W	4.1 (6.8%)	-0.2 (-0.3%)
	AN	4.6 (7.3%)	-0.3 (-0.4%)
	BN	3.6 (5.7%)	-0.5 (-0.8%)
	D	1.7 (2.6%)	-1.3 (-1.9%)
	C	1.9 (2.8%)	-1.5 (-2.1%)
	AVG	3.2 (5.1%)	-0.7 (-1%)
JUN	W	3.2 (5%)	-0.2 (-0.3%)
	AN	2.8 (4.2%)	-0.1 (-0.2%)
	BN	3.2 (4.8%)	0.1 (0.2%)
	D	2.3 (3.3%)	0 (0%)
	C	3.2 (4.6%)	-0.8 (-1.1%)
	AVG	3 (4.4%)	-0.2 (-0.3%)
JUL	W	3.4 (5%)	1.3 (1.9%)
	AN	3.4 (5%)	2.5 (3.7%)
	BN	3.3 (4.9%)	1.6 (2.4%)
	D	4.4 (6.5%)	1.5 (2.2%)
	C	6.2 (8.7%)	2.4 (3.1%)
	AVG	4 (5.9%)	1.7 (2.5%)

Alternative 8: American River at Watt Avenue			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
AUG	W	4.4 (6.5%)	0.3 (0.4%)
	AN	2.7 (3.9%)	-0.2 (-0.3%)
	BN	2.4 (3.5%)	-0.1 (-0.2%)
	D	5.5 (8%)	0.9 (1.3%)
	C	5.7 (8%)	0.3 (0.4%)
	AVG	4.3 (6.2%)	0.3 (0.4%)
SEP	W	2.4 (3.7%)	-0.5 (-0.7%)
	AN	3 (4.6%)	-0.4 (-0.6%)
	BN	3.9 (5.8%)	0.6 (0.8%)
	D	5.3 (7.9%)	0.5 (0.7%)
	C	4.6 (6.7%)	0.3 (0.4%)
	AVG	3.7 (5.6%)	0 (0%)
OCT	W	7.3 (12.3%)	-0.5 (-0.7%)
	AN	7.8 (13%)	0.3 (0.5%)
	BN	7.4 (12.5%)	-0.8 (-1.2%)
	D	6.5 (10.9%)	-0.3 (-0.5%)
	C	5.6 (9.1%)	-0.6 (-0.9%)
	AVG	7 (11.6%)	-0.4 (-0.6%)
NOV	W	3.5 (6.1%)	-0.1 (-0.2%)
	AN	3.1 (5.6%)	-0.5 (-0.8%)
	BN	3.7 (6.7%)	-0.3 (-0.5%)
	D	3.4 (6%)	-0.1 (-0.1%)
	C	2.7 (4.8%)	-0.6 (-1.1%)
	AVG	3.3 (5.9%)	-0.3 (-0.4%)
DEC	W	2.7 (5.4%)	0.2 (0.3%)
	AN	2.4 (4.8%)	-0.1 (-0.3%)
	BN	2.5 (5.1%)	-0.1 (-0.3%)
	D	2.5 (5.1%)	0 (0.1%)
	C	1.7 (3.6%)	-0.6 (-1.1%)
	AVG	2.4 (4.9%)	-0.1 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.8.17 American River at the Confluence with the Sacramento River

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 8 Model Scenarios in the American River at the Confluence with the Sacramento River, Year-Round

Alternative 8: American River at the Confluence with the Sacramento River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
JAN	W	47	50	50
	AN	46	49	49
	BN	46	48	48
	D	46	48	48
	C	46	49	49
	AVG	46	49	49
FEB	W	48	52	52
	AN	48	52	52
	BN	48	51	51
	D	49	52	53
	C	51	55	55
	AVG	49	52	52
MAR	W	53	56	56
	AN	53	56	56
	BN	54	56	57
	D	55	58	57
	C	56	59	59
	AVG	54	57	57
APR	W	57	60	60
	AN	58	61	62
	BN	59	62	62
	D	61	63	63
	C	62	64	64
	AVG	59	62	62
MAY	W	61	66	65
	AN	63	68	68
	BN	63	67	66
	D	66	69	67
	C	67	70	68
	AVG	64	67	67
JUN	W	65	69	69
	AN	68	71	71
	BN	68	71	71
	D	70	72	72
	C	70	74	73
	AVG	68	71	71

Alternative 8: American River at the Confluence with the Sacramento River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
JUL	W	69	71	72
	AN	68	69	72
	BN	68	70	72
	D	69	72	74
	C	73	76	78
	AVG	69	72	73
AUG	W	69	73	74
	AN	69	73	72
	BN	70	73	73
	D	69	74	75
	C	72	77	77
	AVG	70	74	74
SEP	W	66	69	69
	AN	67	70	70
	BN	67	71	72
	D	68	72	73
	C	69	74	74
	AVG	67	71	71
OCT	W	60	67	66
	AN	60	67	67
	BN	60	67	67
	D	60	66	66
	C	62	67	67
	AVG	60	67	67
NOV	W	56	60	59
	AN	56	60	59
	BN	55	59	59
	D	56	59	59
	C	57	60	59
	AVG	56	59	59
DEC	W	49	52	52
	AN	49	52	52
	BN	48	51	51
	D	49	51	51
	C	48	50	50
	AVG	49	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River at the Confluence with the Sacramento River, Year-Round

Alternative 8: American River at the Confluence with the Sacramento River			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
JAN	W	3.1 (6.7%)	0 (0%)
	AN	2.8 (6%)	0.1 (0.1%)
	BN	2.9 (6.3%)	0 (0.1%)
	D	2.6 (5.7%)	0 (-0.1%)
	C	2.7 (5.9%)	-0.2 (-0.4%)
	AVG	2.9 (6.2%)	0 (0%)
FEB	W	3.4 (7%)	0 (0%)
	AN	3.4 (7.1%)	-0.3 (-0.5%)
	BN	3.1 (6.4%)	0 (-0.1%)
	D	3.2 (6.5%)	0.1 (0.1%)
	C	3.2 (6.2%)	0 (0%)
	AVG	3.2 (6.6%)	0 (-0.1%)
MAR	W	2.9 (5.6%)	0 (0%)
	AN	2.9 (5.5%)	0.1 (0.2%)
	BN	2.7 (5%)	0.2 (0.3%)
	D	2.9 (5.3%)	-0.2 (-0.3%)
	C	2.8 (4.9%)	0.2 (0.3%)
	AVG	2.9 (5.3%)	0 (0.1%)
APR	W	2.8 (4.9%)	0 (-0.1%)
	AN	3.2 (5.4%)	0.2 (0.3%)
	BN	2.8 (4.7%)	-0.2 (-0.3%)
	D	2.2 (3.6%)	-0.4 (-0.6%)
	C	2.1 (3.4%)	-0.5 (-0.8%)
	AVG	2.6 (4.4%)	-0.2 (-0.3%)
MAY	W	4.1 (6.8%)	-0.2 (-0.3%)
	AN	4.6 (7.3%)	-0.3 (-0.4%)
	BN	3.4 (5.4%)	-0.7 (-1%)
	D	1.6 (2.5%)	-1.3 (-2%)
	C	1.7 (2.6%)	-1.5 (-2.1%)
	AVG	3.1 (5%)	-0.7 (-1.1%)
JUN	W	3.4 (5.2%)	-0.2 (-0.4%)
	AN	2.8 (4.2%)	-0.2 (-0.2%)
	BN	3.2 (4.7%)	0.1 (0.2%)
	D	2.3 (3.4%)	-0.1 (-0.2%)
	C	3 (4.4%)	-0.8 (-1.1%)
	AVG	3 (4.5%)	-0.2 (-0.3%)
JUL	W	3.8 (5.5%)	1.5 (2%)
	AN	3.8 (5.6%)	2.7 (4%)
	BN	3.8 (5.6%)	1.7 (2.5%)
	D	4.6 (6.7%)	1.5 (2%)
	C	5.7 (7.8%)	1.9 (2.5%)
	AVG	4.2 (6.1%)	1.8 (2.4%)

Alternative 8: American River at the Confluence with the Sacramento River			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
AUG	W	4.9 (7.1%)	0.3 (0.4%)
	AN	3 (4.4%)	-0.3 (-0.4%)
	BN	2.7 (3.9%)	-0.2 (-0.2%)
	D	5.6 (8.1%)	0.9 (1.2%)
	C	5.2 (7.3%)	0.1 (0.2%)
	AVG	4.5 (6.4%)	0.2 (0.3%)
SEP	W	2.7 (4%)	-0.5 (-0.7%)
	AN	3.2 (4.7%)	-0.5 (-0.6%)
	BN	4.2 (6.2%)	0.6 (0.8%)
	D	5.1 (7.5%)	0.4 (0.5%)
	C	4.3 (6.2%)	0.1 (0.2%)
	AVG	3.8 (5.6%)	0 (0%)
OCT	W	6.5 (10.9%)	-0.4 (-0.6%)
	AN	7.2 (11.9%)	0.4 (0.5%)
	BN	6.7 (11.2%)	-0.7 (-1.1%)
	D	5.8 (9.7%)	-0.2 (-0.4%)
	C	5.1 (8.3%)	-0.5 (-0.7%)
	AVG	6.3 (10.4%)	-0.3 (-0.5%)
NOV	W	3.3 (5.9%)	-0.1 (-0.2%)
	AN	3 (5.4%)	-0.4 (-0.7%)
	BN	3.5 (6.3%)	-0.3 (-0.6%)
	D	3.2 (5.8%)	0 (0%)
	C	2.7 (4.7%)	-0.5 (-0.9%)
	AVG	3.2 (5.7%)	-0.2 (-0.4%)
DEC	W	2.6 (5.3%)	0.2 (0.3%)
	AN	2.4 (4.8%)	-0.1 (-0.2%)
	BN	2.4 (5%)	-0.2 (-0.4%)
	D	2.4 (4.9%)	0.1 (0.1%)
	C	1.7 (3.4%)	-0.5 (-1%)
	AVG	2.4 (4.8%)	-0.1 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.8.18 Stanislaus River at Knights Ferry

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 8 Model Scenarios in the Stanislaus River at Knights Ferry, Year-Round

Alternative 8: Stanislaus River at Knights Ferry				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
JAN	W	49	52	52
	AN	49	52	52
	BN	49	52	52
	D	48	51	51
	C	49	52	52
	AVG	49	52	52
FEB	W	49	52	52
	AN	49	52	52
	BN	49	52	52
	D	49	52	52
	C	50	53	53
	AVG	49	52	52
MAR	W	49	52	52
	AN	49	53	53
	BN	51	54	54
	D	51	54	54
	C	52	55	55
	AVG	50	54	54
APR	W	50	53	53
	AN	50	54	54
	BN	51	55	55
	D	52	55	55
	C	53	57	57
	AVG	51	54	54
MAY	W	51	55	54
	AN	53	56	56
	BN	54	57	57
	D	55	58	58
	C	56	59	59
	AVG	53	57	57
JUN	W	54	56	56
	AN	56	59	59
	BN	58	61	61
	D	59	63	62
	C	60	64	63
	AVG	57	60	60
JUL	W	57	59	59
	AN	59	62	62
	BN	60	63	63
	D	61	65	64
	C	62	66	66
	AVG	59	63	63

Alternative 8: Stanislaus River at Knights Ferry				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
AUG	W	58	61	61
	AN	60	63	63
	BN	60	64	64
	D	61	65	65
	C	62	67	67
	AVG	60	64	64
SEP	W	59	62	62
	AN	60	64	64
	BN	61	64	64
	D	62	65	65
	C	63	67	68
	AVG	61	64	64
OCT	W	59	62	62
	AN	59	62	62
	BN	59	62	62
	D	58	62	62
	C	60	64	64
	AVG	59	63	63
NOV	W	56	59	59
	AN	56	59	59
	BN	56	59	59
	D	56	59	59
	C	57	61	61
	AVG	56	60	60
DEC	W	52	55	55
	AN	52	55	55
	BN	51	54	54
	D	51	54	54
	C	52	55	55
	AVG	51	55	55

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Knights Ferry, Year-Round

Alternative 8: Stanislaus River at Knights Ferry			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
JAN	W	3.1 (6.3%)	0 (0%)
	AN	3.1 (6.3%)	0 (0%)
	BN	3.1 (6.4%)	0 (0%)
	D	3 (6.3%)	0 (0%)
	C	3 (6.2%)	0 (0%)
	AVG	3.1 (6.3%)	0 (0%)
FEB	W	3.1 (6.4%)	0 (0%)
	AN	3.2 (6.5%)	0 (0%)
	BN	3 (6.2%)	0 (0%)
	D	3.1 (6.5%)	0 (0%)
	C	3.1 (6.3%)	0 (0%)
	AVG	3.1 (6.4%)	0 (0%)
MAR	W	3.2 (6.6%)	0 (0%)
	AN	3.6 (7.3%)	0 (0%)
	BN	3.1 (6.1%)	0 (0%)
	D	3.3 (6.5%)	0 (0%)
	C	3 (5.8%)	0 (0%)
	AVG	3.2 (6.5%)	0 (0%)
APR	W	3.1 (6.2%)	0 (0%)
	AN	3.3 (6.6%)	0 (0.1%)
	BN	3.4 (6.6%)	0 (0%)
	D	3.5 (6.7%)	0 (0%)
	C	3.6 (6.7%)	0 (0%)
	AVG	3.3 (6.5%)	0 (0%)
MAY	W	3 (5.9%)	0 (0%)
	AN	3.2 (6%)	0 (0.1%)
	BN	3.5 (6.5%)	0 (0%)
	D	3.4 (6.1%)	0 (0%)
	C	3.3 (5.9%)	0 (0%)
	AVG	3.2 (6.1%)	0 (0%)
JUN	W	2.5 (4.7%)	0 (-0.1%)
	AN	3.4 (6.1%)	0.1 (0.1%)
	BN	3.5 (6%)	-0.2 (-0.3%)
	D	3.5 (5.9%)	-0.3 (-0.5%)
	C	3.8 (6.4%)	-0.3 (-0.5%)
	AVG	3.3 (5.7%)	-0.1 (-0.2%)
JUL	W	2.5 (4.4%)	0 (0%)
	AN	3.3 (5.7%)	0 (0%)
	BN	3.4 (5.7%)	-0.1 (-0.2%)
	D	3.5 (5.7%)	-0.2 (-0.3%)
	C	4.1 (6.6%)	0 (0%)
	AVG	3.3 (5.5%)	-0.1 (-0.1%)

Alternative 8: Stanislaus River at Knights Ferry			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
AUG	W	3.4 (5.8%)	0 (0%)
	AN	3.4 (5.7%)	0 (0%)
	BN	3.4 (5.6%)	-0.1 (-0.1%)
	D	3.4 (5.6%)	-0.1 (-0.2%)
	C	4.4 (7.1%)	0.1 (0.1%)
	AVG	3.6 (6%)	0 (0%)
SEP	W	3.5 (6%)	0 (0%)
	AN	3.6 (6%)	0 (0%)
	BN	3.6 (5.9%)	0 (0%)
	D	3.7 (5.9%)	0 (0%)
	C	4.5 (7.2%)	0.6 (0.9%)
	AVG	3.8 (6.2%)	0.1 (0.2%)
OCT	W	3.5 (5.9%)	0 (0%)
	AN	3.1 (5.2%)	0 (0.1%)
	BN	3.3 (5.7%)	0 (0.1%)
	D	3.5 (5.9%)	0 (0%)
	C	3.8 (6.3%)	0.1 (0.2%)
	AVG	3.4 (5.8%)	0 (0.1%)
NOV	W	3.3 (5.8%)	0 (0%)
	AN	3.1 (5.5%)	0 (0%)
	BN	3.3 (5.9%)	0 (0%)
	D	3.3 (6%)	0 (0%)
	C	3.5 (6%)	0 (0%)
	AVG	3.3 (5.8%)	0 (0%)
DEC	W	3.3 (6.4%)	0 (-0.1%)
	AN	3 (5.9%)	0 (0%)
	BN	3.2 (6.3%)	-0.1 (-0.1%)
	D	3.1 (6.2%)	0 (0%)
	C	3.3 (6.3%)	0 (0%)
	AVG	3.2 (6.2%)	0 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.8.19 Stanislaus River at Orange Blossom Bridge

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 8 Model Scenarios in the Stanislaus River at Orange Blossom Bridge, Year-Round

Alternative 8: Stanislaus River at Orange Blossom Bridge				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
JAN	W	48	51	51
	AN	48	51	51
	BN	48	51	51
	D	47	50	50
	C	48	51	51
	AVG	48	51	51
FEB	W	49	52	52
	AN	49	52	52
	BN	49	52	52
	D	49	52	52
	C	50	53	53
	AVG	49	52	52
MAR	W	49	53	53
	AN	50	54	54
	BN	52	55	55
	D	52	56	56
	C	53	56	56
	AVG	51	54	54
APR	W	50	53	53
	AN	51	54	54
	BN	52	56	56
	D	53	56	56
	C	55	58	58
	AVG	52	55	55
MAY	W	53	56	56
	AN	54	57	57
	BN	55	59	59
	D	56	60	60
	C	58	61	61
	AVG	55	58	58
JUN	W	56	58	58
	AN	58	62	62
	BN	60	64	64
	D	62	66	65
	C	63	67	66
	AVG	59	63	62
JUL	W	60	62	62
	AN	63	66	66
	BN	63	67	67
	D	64	68	68
	C	65	69	69
	AVG	63	66	66

Alternative 8: Stanislaus River at Orange Blossom Bridge				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
AUG	W	60	64	64
	AN	63	66	66
	BN	63	66	66
	D	64	68	67
	C	65	69	69
	AVG	63	66	66
SEP	W	60	64	64
	AN	63	66	66
	BN	63	67	67
	D	63	67	67
	C	64	68	69
	AVG	62	66	66
OCT	W	59	62	62
	AN	59	62	62
	BN	59	62	62
	D	59	62	62
	C	60	64	64
	AVG	59	62	63
NOV	W	55	58	58
	AN	55	58	58
	BN	55	58	58
	D	55	58	58
	C	56	59	59
	AVG	55	58	58
DEC	W	50	54	53
	AN	50	53	53
	BN	49	53	53
	D	50	52	52
	C	50	53	53
	AVG	50	53	53

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Orange Blossom Bridge, Year-Round

Alternative 8: Stanislaus River at Orange Blossom Bridge			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
JAN	W	3 (6.2%)	0 (0%)
	AN	3 (6.3%)	0 (0%)
	BN	3 (6.2%)	0 (0%)
	D	2.8 (5.9%)	0 (0%)
	C	2.8 (5.8%)	0 (0%)
	AVG	2.9 (6.1%)	0 (0%)
FEB	W	3.1 (6.3%)	0 (0%)
	AN	3.1 (6.3%)	0 (0%)
	BN	3 (6%)	0 (0%)
	D	3.1 (6.4%)	0 (0%)
	C	3.2 (6.3%)	0 (0%)
	AVG	3.1 (6.3%)	0 (0%)
MAR	W	3.2 (6.4%)	0 (0%)
	AN	3.7 (7.3%)	0 (0%)
	BN	3 (5.8%)	0 (0%)
	D	3.4 (6.5%)	0 (0%)
	C	3.1 (5.8%)	0 (0%)
	AVG	3.3 (6.4%)	0 (0%)
APR	W	3 (6.1%)	0 (0%)
	AN	3.4 (6.6%)	0.1 (0.1%)
	BN	3.5 (6.7%)	0 (0%)
	D	3.6 (6.8%)	0 (0%)
	C	3.6 (6.7%)	0 (0%)
	AVG	3.4 (6.5%)	0 (0%)
MAY	W	3.2 (6%)	0 (0%)
	AN	3.3 (6.2%)	0.1 (0.1%)
	BN	3.9 (7.1%)	0 (0%)
	D	3.6 (6.4%)	0 (0%)
	C	3.5 (6%)	0 (0%)
	AVG	3.4 (6.3%)	0 (0%)
JUN	W	2.3 (4.1%)	-0.1 (-0.1%)
	AN	3.9 (6.8%)	0.1 (0.2%)
	BN	3.5 (5.7%)	-0.5 (-0.7%)
	D	3.3 (5.3%)	-1 (-1.5%)
	C	3.5 (5.6%)	-0.6 (-0.8%)
	AVG	3.2 (5.4%)	-0.3 (-0.5%)
JUL	W	2.1 (3.5%)	0 (0%)
	AN	3.5 (5.6%)	0 (-0.1%)
	BN	3.4 (5.4%)	-0.1 (-0.1%)
	D	3.7 (5.7%)	-0.1 (-0.2%)
	C	4 (6.2%)	0 (0%)
	AVG	3.2 (5.1%)	0 (-0.1%)

Alternative 8: Stanislaus River at Orange Blossom Bridge			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
AUG	W	3.9 (6.4%)	0 (0%)
	AN	3.5 (5.7%)	0 (0%)
	BN	3.4 (5.4%)	0 (-0.1%)
	D	3.4 (5.3%)	-0.1 (-0.1%)
	C	4.4 (6.8%)	0.2 (0.3%)
	AVG	3.8 (6%)	0 (0%)
SEP	W	3.8 (6.2%)	0 (0%)
	AN	3.9 (6.2%)	0 (0%)
	BN	3.7 (5.9%)	0 (0%)
	D	3.7 (5.9%)	0 (0%)
	C	4.4 (6.9%)	0.5 (0.7%)
	AVG	3.9 (6.3%)	0.1 (0.1%)
OCT	W	3.4 (5.7%)	0.1 (0.1%)
	AN	3.1 (5.2%)	0 (0.1%)
	BN	3.2 (5.4%)	0 (0%)
	D	3.4 (5.7%)	0 (0%)
	C	3.6 (6%)	0.1 (0.1%)
	AVG	3.3 (5.6%)	0 (0.1%)
NOV	W	3.1 (5.7%)	0 (0%)
	AN	3 (5.5%)	0 (0%)
	BN	3.2 (5.8%)	0 (0%)
	D	3.2 (5.8%)	0 (0%)
	C	3.2 (5.8%)	0 (0%)
	AVG	3.1 (5.7%)	0 (0%)
DEC	W	3.1 (6.2%)	-0.1 (-0.1%)
	AN	2.9 (5.8%)	0 (0%)
	BN	3.1 (6.3%)	-0.2 (-0.3%)
	D	3 (6%)	0 (0%)
	C	3 (6.1%)	0 (-0.1%)
	AVG	3 (6.1%)	-0.1 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.8.20 Stanislaus River at Riverbank

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 8 Model Scenarios in the Stanislaus River at Riverbank, Year-Round

Alternative 8: Stanislaus River at Riverbank				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
JAN	W	47	50	50
	AN	47	49	49
	BN	46	49	49
	D	45	48	48
	C	46	49	49
	AVG	46	49	49
FEB	W	49	52	52
	AN	50	53	53
	BN	50	52	52
	D	50	53	53
	C	51	54	54
	AVG	50	53	53
MAR	W	51	54	54
	AN	52	55	55
	BN	53	56	56
	D	54	57	57
	C	54	57	57
	AVG	52	56	56
APR	W	52	55	55
	AN	53	56	56
	BN	54	57	57
	D	54	58	58
	C	57	60	60
	AVG	54	57	57
MAY	W	56	59	59
	AN	57	60	60
	BN	58	62	62
	D	59	62	62
	C	60	64	64
	AVG	58	61	61
JUN	W	60	62	62
	AN	62	66	66
	BN	64	68	68
	D	66	70	69
	C	66	70	69
	AVG	63	67	66
JUL	W	65	67	67
	AN	68	71	71
	BN	68	71	71
	D	68	72	72
	C	68	72	72
	AVG	67	70	70

Alternative 8: Stanislaus River at Riverbank				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
AUG	W	65	69	69
	AN	67	70	70
	BN	67	70	70
	D	68	71	71
	C	67	71	71
	AVG	66	70	70
SEP	W	64	67	67
	AN	66	70	70
	BN	66	69	69
	D	66	70	70
	C	66	70	70
	AVG	65	69	69
OCT	W	59	63	63
	AN	59	62	62
	BN	59	62	62
	D	59	62	62
	C	61	64	64
	AVG	60	63	63
NOV	W	53	56	56
	AN	53	56	56
	BN	53	56	56
	D	53	56	56
	C	54	57	57
	AVG	53	56	56
DEC	W	48	51	51
	AN	48	50	50
	BN	47	50	50
	D	47	50	50
	C	47	50	50
	AVG	47	50	50

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Riverbank, Year-Round

Alternative 8: Stanislaus River at Riverbank			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
JAN	W	2.9 (6.3%)	0 (0%)
	AN	3 (6.4%)	0 (0%)
	BN	2.8 (6%)	0 (0%)
	D	2.5 (5.6%)	0 (0%)
	C	2.6 (5.8%)	0 (0%)
	AVG	2.8 (6%)	0 (0%)
FEB	W	3 (6%)	0 (0%)
	AN	2.9 (5.8%)	0 (0%)
	BN	2.7 (5.5%)	0 (0%)
	D	3 (6.1%)	0 (0%)
	C	3 (6%)	0 (0%)
	AVG	2.9 (5.9%)	0 (0%)
MAR	W	3 (5.9%)	0 (0%)
	AN	3.6 (7%)	0 (0%)
	BN	2.8 (5.3%)	0 (0%)
	D	3.4 (6.4%)	0 (0%)
	C	3 (5.6%)	0 (0%)
	AVG	3.2 (6%)	0 (0%)
APR	W	3 (5.7%)	0 (0%)
	AN	3.3 (6.2%)	0.1 (0.1%)
	BN	3.6 (6.6%)	0 (0%)
	D	3.6 (6.7%)	0 (0%)
	C	3.6 (6.4%)	0 (0%)
	AVG	3.4 (6.2%)	0 (0%)
MAY	W	3.2 (5.8%)	0 (0%)
	AN	3.5 (6.2%)	0.1 (0.2%)
	BN	4.2 (7.3%)	0 (0%)
	D	3.8 (6.6%)	-0.1 (-0.1%)
	C	3.5 (5.8%)	0 (0%)
	AVG	3.6 (6.2%)	0 (0%)
JUN	W	2 (3.3%)	-0.1 (-0.1%)
	AN	4 (6.5%)	0.1 (0.1%)
	BN	3.3 (5.1%)	-0.4 (-0.6%)
	D	3.1 (4.7%)	-0.9 (-1.3%)
	C	3.1 (4.6%)	-0.5 (-0.8%)
	AVG	3 (4.7%)	-0.3 (-0.5%)
JUL	W	1.9 (2.9%)	0 (0%)
	AN	3.2 (4.8%)	0 (-0.1%)
	BN	3.1 (4.5%)	0 (-0.1%)
	D	3.6 (5.2%)	0 (0%)
	C	3.5 (5.2%)	0 (0%)
	AVG	2.9 (4.3%)	0 (0%)

Alternative 8: Stanislaus River at Riverbank			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
AUG	W	4.1 (6.4%)	0 (0%)
	AN	3.4 (5.1%)	0 (0%)
	BN	3.2 (4.8%)	0 (0%)
	D	3.2 (4.8%)	0 (-0.1%)
	C	3.9 (5.8%)	0.1 (0.2%)
	AVG	3.7 (5.5%)	0 (0%)
SEP	W	3.9 (6.2%)	0 (0%)
	AN	3.8 (5.8%)	-0.1 (-0.1%)
	BN	3.7 (5.7%)	0 (0%)
	D	3.7 (5.6%)	0 (0%)
	C	4 (6%)	0.2 (0.3%)
	AVG	3.9 (5.9%)	0 (0%)
OCT	W	3.2 (5.3%)	0 (0%)
	AN	2.9 (5%)	0 (0%)
	BN	2.9 (5%)	0 (0%)
	D	3.1 (5.2%)	0 (0%)
	C	3.4 (5.5%)	0 (0%)
	AVG	3.1 (5.2%)	0 (0%)
NOV	W	3.1 (5.7%)	0 (0%)
	AN	3.1 (5.9%)	0 (0%)
	BN	3.1 (5.8%)	0 (0%)
	D	3.1 (5.8%)	0 (0%)
	C	3 (5.6%)	0 (0%)
	AVG	3.1 (5.8%)	0 (0%)
DEC	W	3 (6.3%)	-0.1 (-0.2%)
	AN	2.9 (6.1%)	0 (0%)
	BN	3 (6.4%)	-0.3 (-0.5%)
	D	2.8 (5.9%)	0 (0%)
	C	2.9 (6.2%)	0 (-0.1%)
	AVG	2.9 (6.2%)	-0.1 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.8.21 Stanislaus River at the Confluence with the San Joaquin River

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 8 Model Scenarios in the Stanislaus River at the Confluence with the San Joaquin River, Year-Round

Alternative 8: Stanislaus River at the Confluence with the San Joaquin River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
JAN	W	46	49	49
	AN	46	49	49
	BN	46	49	49
	D	45	47	47
	C	45	48	48
	AVG	46	48	48
FEB	W	50	53	53
	AN	50	53	53
	BN	50	52	52
	D	50	53	53
	C	51	54	54
	AVG	50	53	53
MAR	W	52	55	55
	AN	53	56	56
	BN	54	57	57
	D	55	58	58
	C	55	58	58
	AVG	54	56	56
APR	W	54	57	57
	AN	55	58	58
	BN	56	60	60
	D	57	60	60
	C	59	62	62
	AVG	56	59	59
MAY	W	59	62	62
	AN	60	63	64
	BN	60	64	64
	D	61	65	65
	C	63	66	66
	AVG	60	64	64
JUN	W	62	65	65
	AN	65	69	69
	BN	66	70	69
	D	68	72	71
	C	68	71	71
	AVG	65	69	68

Alternative 8: Stanislaus River at the Confluence with the San Joaquin River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A8_LLT**
JUL	W	68	70	70
	AN	70	73	73
	BN	70	73	73
	D	70	74	74
	C	70	73	73
	AVG	69	72	72
AUG	W	67	71	71
	AN	69	72	72
	BN	68	71	71
	D	69	72	72
	C	69	72	72
	AVG	68	72	72
SEP	W	65	69	69
	AN	67	71	71
	BN	67	70	70
	D	67	70	70
	C	67	70	70
	AVG	66	70	70
OCT	W	60	63	63
	AN	60	62	62
	BN	59	62	62
	D	59	62	62
	C	61	64	64
	AVG	60	63	63
NOV	W	53	56	56
	AN	52	55	55
	BN	52	55	55
	D	52	55	55
	C	53	56	56
	AVG	52	55	55
DEC	W	47	50	50
	AN	46	49	49
	BN	45	49	48
	D	45	48	48
	C	45	48	48
	AVG	46	49	49

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at the Confluence with the San Joaquin River, Year-Round

Alternative 8: Stanislaus River at the Confluence with the San Joaquin River			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
JAN	W	2.9 (6.3%)	0 (0%)
	AN	2.9 (6.4%)	0 (0%)
	BN	2.8 (6.1%)	0 (0%)
	D	2.5 (5.7%)	0 (0%)
	C	2.8 (6.1%)	0 (0%)
	AVG	2.8 (6.2%)	0 (0%)
FEB	W	2.9 (5.7%)	0 (0%)
	AN	2.8 (5.6%)	0 (0%)
	BN	2.6 (5.2%)	0 (0%)
	D	2.8 (5.6%)	0 (0%)
	C	2.9 (5.6%)	0 (0%)
	AVG	2.8 (5.6%)	0 (0%)
MAR	W	2.9 (5.5%)	0 (0%)
	AN	3.3 (6.3%)	0 (0%)
	BN	2.6 (4.9%)	0 (0%)
	D	3.2 (5.8%)	0 (0%)
	C	2.8 (5.1%)	0 (0%)
	AVG	3 (5.5%)	0 (0%)
APR	W	2.8 (5.2%)	0 (0%)
	AN	3.2 (5.7%)	0.1 (0.1%)
	BN	3.5 (6.2%)	0 (0%)
	D	3.5 (6.1%)	0 (0%)
	C	3.3 (5.5%)	0 (0%)
	AVG	3.2 (5.7%)	0 (0%)
MAY	W	3.1 (5.4%)	0 (0%)
	AN	3.5 (5.8%)	0.1 (0.1%)
	BN	4.1 (6.7%)	0 (0%)
	D	3.7 (5.9%)	0 (0%)
	C	3.2 (5.2%)	0 (0.1%)
	AVG	3.5 (5.7%)	0 (0%)
JUN	W	2.2 (3.5%)	-0.1 (-0.1%)
	AN	3.8 (5.9%)	0.1 (0.1%)
	BN	3.1 (4.7%)	-0.2 (-0.3%)
	D	3 (4.3%)	-0.4 (-0.6%)
	C	3 (4.3%)	-0.3 (-0.4%)
	AVG	2.9 (4.5%)	-0.2 (-0.3%)
JUL	W	2.3 (3.4%)	0 (0%)
	AN	2.9 (4.2%)	0 (0%)
	BN	2.8 (4%)	0 (0%)
	D	3.2 (4.5%)	0 (0%)
	C	3.2 (4.5%)	0 (0%)
	AVG	2.8 (4.1%)	0 (0%)

Alternative 8: Stanislaus River at the Confluence with the San Joaquin River			
Month	**WYT**	**EXISTING CONDITIONS vs. A8_LLT**	**NAA vs. A8_LLT**
AUG	W	4.1 (6.1%)	0 (0%)
	AN	3.2 (4.7%)	0 (0%)
	BN	3.1 (4.5%)	0 (0%)
	D	3.1 (4.5%)	0 (0%)
	C	3.6 (5.3%)	0 (0.1%)
	AVG	3.5 (5.2%)	0 (0%)
SEP	W	3.9 (6%)	0 (0%)
	AN	3.7 (5.6%)	0 (0%)
	BN	3.7 (5.5%)	0 (0%)
	D	3.7 (5.5%)	0 (0%)
	C	3.7 (5.6%)	0.1 (0.1%)
	AVG	3.8 (5.7%)	0 (0%)
OCT	W	3 (5%)	0 (0%)
	AN	2.9 (4.8%)	0 (0%)
	BN	2.7 (4.5%)	0 (0%)
	D	2.9 (4.9%)	0 (0%)
	C	3.2 (5.3%)	0 (0%)
	AVG	3 (4.9%)	0 (0%)
NOV	W	3 (5.7%)	0 (0%)
	AN	3.2 (6%)	0 (0%)
	BN	3.1 (6%)	0 (0%)
	D	3.1 (5.9%)	0 (0%)
	C	3 (5.6%)	0 (0%)
	AVG	3.1 (5.8%)	0 (0%)
DEC	W	3 (6.4%)	-0.1 (-0.1%)
	AN	2.9 (6.2%)	0 (0%)
	BN	3 (6.6%)	-0.2 (-0.5%)
	D	2.8 (6.1%)	0 (0%)
	C	2.9 (6.4%)	0 (0%)
	AVG	2.9 (6.3%)	-0.1 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.9 Alternative 9

11D.9.1 Sacramento River at Keswick

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 9 Model Scenarios in the Sacramento River at Keswick, Year-Round

Alternative 9: Sacramento River at Keswick				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
JAN	W	46	47	47
	AN	46	48	48
	BN	47	48	48
	D	47	48	48
	C	47	48	48
	AVG	46	48	48
FEB	W	45	47	47
	AN	46	47	47
	BN	46	47	47
	D	46	48	48
	C	46	48	48
	AVG	46	47	47
MAR	W	46	47	47
	AN	46	48	48
	BN	47	48	48
	D	47	49	49
	C	48	50	50
	AVG	47	48	48
APR	W	47	49	49
	AN	48	50	50
	BN	48	50	50
	D	48	50	50
	C	49	51	51
	AVG	48	50	50
MAY	W	49	50	50
	AN	49	51	51
	BN	49	51	51
	D	49	51	51
	C	51	53	53
	AVG	49	51	51
JUN	W	50	51	51
	AN	50	51	51
	BN	50	51	51
	D	50	52	53
	C	53	55	55
	AVG	50	52	52

Alternative 9: Sacramento River at Keswick				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
JUL	W	51	52	52
	AN	51	52	52
	BN	51	52	52
	D	51	54	54
	C	54	59	59
	AVG	51	53	54
AUG	W	52	54	54
	AN	52	54	54
	BN	52	54	54
	D	53	56	56
	C	57	64	64
	AVG	53	56	56
SEP	W	53	55	55
	AN	54	56	56
	BN	54	56	56
	D	55	59	59
	C	60	66	66
	AVG	55	58	58
OCT	W	54	57	57
	AN	54	57	57
	BN	54	57	57
	D	55	58	59
	C	56	60	60
	AVG	54	58	58
NOV	W	53	55	55
	AN	52	55	54
	BN	53	55	55
	D	53	56	56
	C	54	56	56
	AVG	53	55	55
DEC	W	49	50	50
	AN	49	51	51
	BN	50	52	52
	D	50	52	52
	C	51	52	52
	AVG	50	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Keswick, Year-Round

Alternative 9: Sacramento River at Keswick			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
JAN	W	1.3 (2.9%)	0 (0%)
	AN	1.5 (3.1%)	0 (0%)
	BN	1.7 (3.7%)	0 (0.1%)
	D	1.6 (3.5%)	0 (0%)
	C	1.7 (3.7%)	-0.1 (-0.1%)
	AVG	1.5 (3.3%)	0 (0%)
FEB	W	1.6 (3.5%)	0 (0.1%)
	AN	1.6 (3.6%)	0 (0.1%)
	BN	1.6 (3.4%)	0 (0%)
	D	1.7 (3.7%)	0 (0%)
	C	1.7 (3.7%)	-0.1 (-0.1%)
	AVG	1.6 (3.6%)	0 (0%)
MAR	W	1.5 (3.2%)	0 (0%)
	AN	1.7 (3.7%)	0.1 (0.2%)
	BN	1.6 (3.4%)	0 (0%)
	D	1.7 (3.5%)	0 (0%)
	C	1.8 (3.7%)	-0.1 (-0.3%)
	AVG	1.6 (3.5%)	0 (0%)
APR	W	1.6 (3.4%)	0 (-0.1%)
	AN	1.7 (3.5%)	0 (0%)
	BN	1.5 (3%)	0.1 (0.2%)
	D	1.5 (3.2%)	0 (0%)
	C	2 (4.2%)	0 (-0.1%)
	AVG	1.7 (3.4%)	0 (0%)
MAY	W	1.7 (3.6%)	0 (0%)
	AN	1.3 (2.7%)	0 (0%)
	BN	1.4 (2.8%)	0 (0.1%)
	D	1.4 (2.7%)	-0.2 (-0.4%)
	C	2.1 (4.1%)	0.1 (0.1%)
	AVG	1.6 (3.2%)	0 (0%)
JUN	W	1 (2%)	0 (0.1%)
	AN	1.1 (2.3%)	-0.1 (-0.2%)
	BN	1.3 (2.6%)	0.1 (0.1%)
	D	2.2 (4.4%)	0.3 (0.6%)
	C	2.3 (4.4%)	0.2 (0.3%)
	AVG	1.5 (3%)	0.1 (0.2%)
JUL	W	1 (2%)	0.1 (0.2%)
	AN	1.4 (2.8%)	0 (0.1%)
	BN	1.5 (3%)	0.2 (0.4%)
	D	2.8 (5.6%)	0.5 (0.9%)
	C	4.9 (9%)	-0.3 (-0.5%)
	AVG	2.1 (4.1%)	0.1 (0.2%)

Alternative 9: Sacramento River at Keswick			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
AUG	W	1.9 (3.7%)	0 (0%)
	AN	2 (3.8%)	0.1 (0.2%)
	BN	2.4 (4.7%)	0.1 (0.1%)
	D	3.1 (5.8%)	0 (0.1%)
	C	7.3 (12.9%)	-0.2 (-0.3%)
	AVG	3.1 (5.8%)	0 (0%)
SEP	W	1.6 (2.9%)	-0.1 (-0.2%)
	AN	2.1 (3.8%)	-0.2 (-0.3%)
	BN	2.5 (4.7%)	-0.2 (-0.3%)
	D	4.4 (8%)	0 (-0.1%)
	C	6 (10%)	0.1 (0.1%)
	AVG	3.1 (5.6%)	-0.1 (-0.1%)
OCT	W	3.1 (5.7%)	0 (0.1%)
	AN	2.9 (5.4%)	0.1 (0.2%)
	BN	2.7 (5%)	-0.4 (-0.6%)
	D	3.7 (6.7%)	0.1 (0.2%)
	C	3.8 (6.7%)	0 (0%)
	AVG	3.2 (5.9%)	0 (0%)
NOV	W	2.3 (4.4%)	0.1 (0.1%)
	AN	2.1 (4.1%)	-0.1 (-0.1%)
	BN	2.3 (4.4%)	-0.1 (-0.2%)
	D	2.3 (4.4%)	0 (0%)
	C	2.4 (4.4%)	-0.1 (-0.2%)
	AVG	2.3 (4.3%)	0 (-0.1%)
DEC	W	1.2 (2.4%)	-0.1 (-0.1%)
	AN	1.8 (3.7%)	0.1 (0.1%)
	BN	2.1 (4.1%)	0 (0.1%)
	D	1.8 (3.6%)	-0.1 (-0.2%)
	C	2 (3.9%)	0 (0.1%)
	AVG	1.7 (3.4%)	0 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.9.2 Sacramento River at Jelly's Ferry

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 9 Model Scenarios in the Sacramento River at Jelly's Ferry, Year-Round

Alternative 9: Sacramento River at Jelly's Ferry				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
JAN	W	45	47	47
	AN	45	47	47
	BN	45	46	47
	D	45	47	47
	C	45	47	47
	AVG	45	47	47
FEB	W	46	47	47
	AN	46	48	48
	BN	46	48	48
	D	46	48	48
	C	47	49	49
	AVG	46	48	48
MAR	W	48	49	50
	AN	49	51	51
	BN	49	51	51
	D	50	51	51
	C	50	52	52
	AVG	49	51	51
APR	W	51	53	53
	AN	53	55	55
	BN	53	54	54
	D	52	54	54
	C	52	54	54
	AVG	52	54	54
MAY	W	54	57	57
	AN	55	57	57
	BN	54	57	56
	D	54	56	55
	C	55	57	57
	AVG	54	57	56
JUN	W	55	56	57
	AN	55	56	56
	BN	54	56	56
	D	54	56	57
	C	56	58	58
	AVG	55	56	57
JUL	W	56	57	57
	AN	55	56	56
	BN	55	56	57
	D	55	57	58
	C	57	62	62
	AVG	55	57	58

Alternative 9: Sacramento River at Jelly's Ferry				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
AUG	W	56	59	59
	AN	56	58	58
	BN	56	58	58
	D	56	59	60
	C	59	67	66
	AVG	57	60	60
SEP	W	56	57	57
	AN	57	59	59
	BN	57	60	60
	D	58	63	63
	C	61	67	67
	AVG	58	61	60
OCT	W	54	57	57
	AN	54	57	57
	BN	55	57	57
	D	55	58	58
	C	56	60	60
	AVG	55	58	58
NOV	W	51	53	53
	AN	51	53	53
	BN	51	54	54
	D	51	54	54
	C	52	55	55
	AVG	51	53	53
DEC	W	47	48	48
	AN	47	48	48
	BN	47	49	49
	D	47	49	49
	C	47	49	49
	AVG	47	48	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Jelly's Ferry, Year-Round

Alternative 9: Sacramento River at Jelly's Ferry			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
JAN	W	1.4 (3.2%)	0 (0%)
	AN	1.5 (3.4%)	0 (0%)
	BN	1.7 (3.9%)	0 (0.1%)
	D	1.8 (3.9%)	-0.1 (-0.2%)
	C	2 (4.4%)	-0.2 (-0.4%)
	AVG	1.6 (3.7%)	0 (-0.1%)
FEB	W	1.6 (3.4%)	0 (0%)
	AN	1.6 (3.5%)	0 (0%)
	BN	1.7 (3.6%)	0 (0%)
	D	1.8 (4%)	0 (0%)
	C	1.9 (4.1%)	0 (-0.1%)
	AVG	1.7 (3.7%)	0 (0%)
MAR	W	1.5 (3%)	0 (0%)
	AN	1.6 (3.4%)	0.1 (0.2%)
	BN	1.8 (3.6%)	0.1 (0.2%)
	D	1.6 (3.3%)	0 (-0.1%)
	C	1.7 (3.4%)	-0.1 (-0.2%)
	AVG	1.6 (3.3%)	0 (0%)
APR	W	1.8 (3.5%)	0 (0%)
	AN	1.8 (3.4%)	-0.1 (-0.2%)
	BN	1.8 (3.5%)	0.1 (0.1%)
	D	1.7 (3.3%)	-0.1 (-0.2%)
	C	2 (3.8%)	0 (-0.1%)
	AVG	1.8 (3.5%)	0 (0%)
MAY	W	2.9 (5.4%)	0 (0%)
	AN	1.7 (3%)	0 (0%)
	BN	1.9 (3.5%)	-0.2 (-0.4%)
	D	1 (1.9%)	-0.8 (-1.4%)
	C	1.9 (3.5%)	0 (0%)
	AVG	2 (3.7%)	-0.2 (-0.4%)
JUN	W	1.5 (2.6%)	0.1 (0.1%)
	AN	1.2 (2.2%)	-0.1 (-0.3%)
	BN	1.7 (3.1%)	0.1 (0.2%)
	D	2.1 (3.9%)	0.2 (0.4%)
	C	2.2 (4%)	0.2 (0.4%)
	AVG	1.7 (3.1%)	0.1 (0.2%)
JUL	W	1.1 (1.9%)	0.1 (0.2%)
	AN	1.5 (2.8%)	0.1 (0.2%)
	BN	1.9 (3.5%)	0.3 (0.5%)
	D	2.9 (5.3%)	0.5 (0.9%)
	C	4.8 (8.4%)	-0.2 (-0.3%)
	AVG	2.2 (4%)	0.2 (0.3%)

Alternative 9: Sacramento River at Jelly's Ferry			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
AUG	W	2.6 (4.7%)	0.1 (0.2%)
	AN	2.2 (3.9%)	0.3 (0.5%)
	BN	2.8 (5%)	0.2 (0.3%)
	D	3.2 (5.8%)	0.2 (0.3%)
	C	6.8 (11.4%)	-0.4 (-0.5%)
	AVG	3.3 (5.9%)	0.1 (0.2%)
SEP	W	1 (1.8%)	-0.2 (-0.4%)
	AN	1.2 (2.1%)	-0.1 (-0.2%)
	BN	2.7 (4.8%)	-0.1 (-0.2%)
	D	4.9 (8.4%)	0 (0%)
	C	5.4 (8.8%)	0.1 (0.1%)
	AVG	2.8 (4.9%)	-0.1 (-0.2%)
OCT	W	2.9 (5.3%)	0 (0%)
	AN	2.8 (5.1%)	0.2 (0.3%)
	BN	2.7 (4.9%)	-0.2 (-0.4%)
	D	3.2 (5.8%)	0 (0.1%)
	C	3.4 (6.1%)	0 (0.1%)
	AVG	3 (5.4%)	0 (0%)
NOV	W	2.3 (4.5%)	0 (0%)
	AN	2.2 (4.3%)	0 (0%)
	BN	2.5 (5%)	0 (0%)
	D	2.2 (4.3%)	0 (-0.1%)
	C	2.4 (4.6%)	0 (0.1%)
	AVG	2.3 (4.5%)	0 (0%)
DEC	W	1.1 (2.3%)	-0.1 (-0.1%)
	AN	1.8 (3.8%)	0 (0%)
	BN	2 (4.2%)	0 (0.1%)
	D	1.8 (3.9%)	-0.1 (-0.2%)
	C	2.2 (4.6%)	0.2 (0.5%)
	AVG	1.7 (3.6%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.9.3 Sacramento River at Bend Bridge

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 9 Model Scenarios in the Sacramento River at Bend Bridge, Year-Round

Alternative 9: Sacramento River at Bend Bridge				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
JAN	W	45	47	47
	AN	45	47	47
	BN	45	46	46
	D	45	47	46
	C	45	47	47
	AVG	45	47	47
FEB	W	46	47	47
	AN	46	48	48
	BN	46	48	48
	D	46	48	48
	C	47	49	49
	AVG	46	48	48
MAR	W	48	50	50
	AN	49	51	51
	BN	49	51	51
	D	50	52	52
	C	50	52	52
	AVG	49	51	51
APR	W	51	53	53
	AN	53	55	55
	BN	53	55	55
	D	53	55	55
	C	52	54	54
	AVG	52	54	54
MAY	W	54	57	57
	AN	55	57	57
	BN	55	57	57
	D	55	56	56
	C	55	57	57
	AVG	55	57	57
JUN	W	56	57	57
	AN	55	57	56
	BN	55	57	57
	D	55	57	57
	C	57	59	59
	AVG	55	57	57
JUL	W	56	57	57
	AN	55	57	57
	BN	55	57	57
	D	56	58	59
	C	58	63	63
	AVG	56	58	58

Alternative 9: Sacramento River at Bend Bridge				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
AUG	W	57	59	59
	AN	57	59	59
	BN	56	59	59
	D	57	60	60
	C	60	67	67
	AVG	57	60	61
SEP	W	57	58	58
	AN	58	59	59
	BN	58	60	60
	D	58	63	63
	C	62	67	67
	AVG	58	61	61
OCT	W	54	57	57
	AN	55	57	57
	BN	55	58	57
	D	55	58	58
	C	56	60	60
	AVG	55	58	58
NOV	W	51	53	53
	AN	51	53	53
	BN	51	53	54
	D	51	54	53
	C	52	54	54
	AVG	51	53	53
DEC	W	47	48	48
	AN	46	48	48
	BN	47	49	49
	D	46	48	48
	C	47	49	49
	AVG	47	48	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Bend Bridge, Year-Round

Alternative 9: Sacramento River at Bend Bridge			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
JAN	W	1.5 (3.2%)	0 (0%)
	AN	1.6 (3.5%)	0 (0%)
	BN	1.8 (4%)	0 (0.1%)
	D	1.8 (4%)	-0.1 (-0.2%)
	C	2 (4.5%)	-0.2 (-0.4%)
	AVG	1.7 (3.7%)	0 (-0.1%)
FEB	W	1.6 (3.5%)	0 (0%)
	AN	1.6 (3.5%)	0 (0%)
	BN	1.7 (3.7%)	0 (0%)
	D	1.9 (4.1%)	0 (0%)
	C	2 (4.2%)	0 (-0.1%)
	AVG	1.7 (3.8%)	0 (0%)
MAR	W	1.5 (3.1%)	0 (0%)
	AN	1.7 (3.4%)	0.1 (0.2%)
	BN	1.8 (3.6%)	0.1 (0.1%)
	D	1.7 (3.3%)	0 (0%)
	C	1.7 (3.5%)	-0.1 (-0.2%)
	AVG	1.6 (3.3%)	0 (0%)
APR	W	1.8 (3.5%)	0 (0%)
	AN	1.8 (3.5%)	-0.1 (-0.2%)
	BN	1.9 (3.5%)	0.1 (0.1%)
	D	1.8 (3.3%)	-0.1 (-0.2%)
	C	2 (3.8%)	0 (-0.1%)
	AVG	1.8 (3.5%)	0 (-0.1%)
MAY	W	3 (5.5%)	0 (0%)
	AN	1.7 (3.1%)	0 (0%)
	BN	1.9 (3.5%)	-0.3 (-0.5%)
	D	1 (1.9%)	-0.8 (-1.4%)
	C	1.9 (3.5%)	0 (0%)
	AVG	2 (3.7%)	-0.2 (-0.4%)
JUN	W	1.5 (2.7%)	0.1 (0.1%)
	AN	1.2 (2.3%)	-0.1 (-0.3%)
	BN	1.8 (3.2%)	0.1 (0.2%)
	D	2.2 (3.9%)	0.2 (0.3%)
	C	2.2 (3.9%)	0.2 (0.4%)
	AVG	1.8 (3.2%)	0.1 (0.2%)
JUL	W	1.1 (2%)	0.1 (0.2%)
	AN	1.5 (2.8%)	0.1 (0.2%)
	BN	2 (3.6%)	0.3 (0.5%)
	D	2.9 (5.2%)	0.5 (0.9%)
	C	4.8 (8.3%)	-0.2 (-0.3%)
	AVG	2.3 (4%)	0.2 (0.3%)

Alternative 9: Sacramento River at Bend Bridge			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
AUG	W	2.7 (4.8%)	0.1 (0.2%)
	AN	2.3 (4%)	0.3 (0.6%)
	BN	2.9 (5.1%)	0.2 (0.3%)
	D	3.3 (5.8%)	0.2 (0.3%)
	C	6.7 (11.2%)	-0.4 (-0.6%)
	AVG	3.4 (5.9%)	0.1 (0.2%)
SEP	W	1 (1.8%)	-0.2 (-0.4%)
	AN	1.2 (2%)	-0.1 (-0.1%)
	BN	2.8 (4.8%)	-0.1 (-0.2%)
	D	4.9 (8.5%)	0 (0%)
	C	5.3 (8.6%)	0.1 (0.1%)
	AVG	2.8 (4.9%)	-0.1 (-0.2%)
OCT	W	2.8 (5.2%)	0 (0%)
	AN	2.8 (5%)	0.2 (0.3%)
	BN	2.7 (5%)	-0.2 (-0.4%)
	D	3.2 (5.8%)	0 (0.1%)
	C	3.4 (6.1%)	0 (0.1%)
	AVG	3 (5.4%)	0 (0%)
NOV	W	2.3 (4.6%)	0 (0%)
	AN	2.2 (4.4%)	0 (0%)
	BN	2.6 (5.1%)	0 (0.1%)
	D	2.3 (4.4%)	0 (-0.1%)
	C	2.4 (4.7%)	0 (0.1%)
	AVG	2.4 (4.6%)	0 (0%)
DEC	W	1.1 (2.4%)	-0.1 (-0.1%)
	AN	1.8 (3.9%)	0 (0%)
	BN	2 (4.3%)	0 (0.1%)
	D	1.9 (4%)	-0.1 (-0.2%)
	C	2.2 (4.8%)	0.2 (0.5%)
	AVG	1.7 (3.6%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.9.4 Sacramento River at Red Bluff Diversion Dam

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 9 Model Scenarios in the Sacramento River at Red Bluff Diversion Dam, Year-Round

Alternative 9: Sacramento River at Red Bluff Diversion Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
JAN	W	45	46	46
	AN	45	47	47
	BN	44	46	46
	D	44	46	46
	C	44	47	46
	AVG	45	46	46
FEB	W	46	47	48
	AN	46	48	48
	BN	46	48	48
	D	46	48	48
	C	47	49	49
	AVG	46	48	48
MAR	W	48	50	50
	AN	49	51	51
	BN	49	51	51
	D	50	52	52
	C	51	53	52
	AVG	49	51	51
APR	W	52	54	54
	AN	53	55	55
	BN	54	55	55
	D	54	55	55
	C	53	55	55
	AVG	53	55	55
MAY	W	55	58	58
	AN	56	58	58
	BN	56	58	58
	D	56	58	57
	C	57	59	59
	AVG	56	58	58
JUN	W	57	59	59
	AN	57	58	58
	BN	57	58	59
	D	57	59	59
	C	58	60	60
	AVG	57	59	59
JUL	W	58	59	59
	AN	57	59	59
	BN	57	59	59
	D	57	60	60
	C	60	64	64
	AVG	58	60	60

Alternative 9: Sacramento River at Red Bluff Diversion Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
AUG	W	58	61	61
	AN	59	61	61
	BN	58	61	61
	D	59	62	62
	C	61	68	68
	AVG	59	62	62
SEP	W	58	59	59
	AN	59	60	60
	BN	59	62	62
	D	59	64	65
	C	63	68	68
	AVG	59	62	62
OCT	W	55	57	57
	AN	55	57	58
	BN	55	58	58
	D	55	59	59
	C	56	60	60
	AVG	55	58	58
NOV	W	50	53	53
	AN	50	53	53
	BN	51	53	53
	D	51	53	53
	C	52	54	54
	AVG	51	53	53
DEC	W	46	48	48
	AN	46	48	48
	BN	46	48	48
	D	46	48	48
	C	46	48	49
	AVG	46	48	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Red Bluff Diversion Dam, Year-Round

Alternative 9: Sacramento River at Red Bluff Diversion Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
JAN	W	1.5 (3.3%)	0 (0%)
	AN	1.6 (3.6%)	0 (0%)
	BN	1.8 (4.1%)	0 (0.1%)
	D	1.9 (4.2%)	-0.1 (-0.2%)
	C	2.1 (4.7%)	-0.2 (-0.5%)
	AVG	1.7 (3.9%)	0 (-0.1%)
FEB	W	1.6 (3.5%)	0 (0%)
	AN	1.7 (3.6%)	0 (0%)
	BN	1.8 (3.8%)	0 (0%)
	D	2 (4.2%)	0 (0%)
	C	2.1 (4.4%)	0 (-0.1%)
	AVG	1.8 (3.9%)	0 (0%)
MAR	W	1.5 (3.1%)	0 (0%)
	AN	1.7 (3.4%)	0.1 (0.2%)
	BN	1.8 (3.7%)	0.1 (0.2%)
	D	1.7 (3.4%)	0 (0%)
	C	1.8 (3.5%)	-0.1 (-0.1%)
	AVG	1.7 (3.4%)	0 (0%)
APR	W	1.8 (3.6%)	0 (0.1%)
	AN	1.9 (3.5%)	-0.1 (-0.2%)
	BN	1.9 (3.6%)	0.1 (0.1%)
	D	1.8 (3.4%)	-0.1 (-0.2%)
	C	2 (3.8%)	0 (-0.1%)
	AVG	1.9 (3.5%)	0 (-0.1%)
MAY	W	3.1 (5.5%)	0 (0%)
	AN	1.8 (3.2%)	0 (0%)
	BN	2 (3.6%)	-0.3 (-0.5%)
	D	1 (1.9%)	-0.9 (-1.5%)
	C	2 (3.5%)	0 (0%)
	AVG	2.1 (3.7%)	-0.2 (-0.4%)
JUN	W	1.7 (2.9%)	0.1 (0.1%)
	AN	1.4 (2.4%)	-0.2 (-0.3%)
	BN	1.9 (3.4%)	0.1 (0.2%)
	D	2.2 (3.8%)	0.1 (0.2%)
	C	2.2 (3.9%)	0.2 (0.4%)
	AVG	1.9 (3.3%)	0.1 (0.1%)
JUL	W	1.2 (2.1%)	0.1 (0.2%)
	AN	1.6 (2.8%)	0.1 (0.2%)
	BN	2.1 (3.7%)	0.3 (0.5%)
	D	3 (5.2%)	0.5 (0.8%)
	C	4.8 (8%)	-0.1 (-0.2%)
	AVG	2.3 (4%)	0.2 (0.3%)

Alternative 9: Sacramento River at Red Bluff Diversion Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
AUG	W	2.9 (5%)	0.1 (0.2%)
	AN	2.4 (4.1%)	0.4 (0.6%)
	BN	3 (5.2%)	0.2 (0.3%)
	D	3.3 (5.7%)	0.2 (0.4%)
	C	6.5 (10.7%)	-0.4 (-0.6%)
	AVG	3.5 (5.9%)	0.1 (0.2%)
SEP	W	0.9 (1.6%)	-0.3 (-0.4%)
	AN	1.1 (1.8%)	-0.1 (-0.1%)
	BN	2.9 (4.9%)	-0.1 (-0.2%)
	D	5 (8.5%)	0 (0.1%)
	C	5.3 (8.5%)	0.1 (0.1%)
	AVG	2.8 (4.8%)	-0.1 (-0.1%)
OCT	W	2.8 (5.2%)	0 (0%)
	AN	2.8 (5.1%)	0.2 (0.3%)
	BN	2.8 (5%)	-0.2 (-0.3%)
	D	3.1 (5.6%)	0 (0%)
	C	3.4 (6.1%)	0.1 (0.1%)
	AVG	3 (5.4%)	0 (0%)
NOV	W	2.4 (4.7%)	0 (0%)
	AN	2.3 (4.5%)	0 (0%)
	BN	2.6 (5.2%)	0 (0.1%)
	D	2.3 (4.5%)	0 (-0.1%)
	C	2.5 (4.8%)	0 (0.1%)
	AVG	2.4 (4.8%)	0 (0%)
DEC	W	1.2 (2.5%)	-0.1 (-0.1%)
	AN	1.9 (4.1%)	0 (0%)
	BN	2 (4.4%)	0 (0.1%)
	D	1.9 (4.2%)	-0.1 (-0.1%)
	C	2.3 (5%)	0.3 (0.5%)
	AVG	1.8 (3.8%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.9.5 Sacramento River at Hamilton City

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 9 Model Scenarios in the Sacramento River at Hamilton City, Year-Round

Alternative 9: Sacramento River at Hamilton City				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
JAN	W	45	47	47
	AN	45	47	47
	BN	44	46	46
	D	44	46	46
	C	44	47	47
	AVG	45	47	47
FEB	W	46	48	48
	AN	47	48	48
	BN	46	48	48
	D	47	49	49
	C	48	50	50
	AVG	47	49	49
MAR	W	49	51	51
	AN	51	52	52
	BN	51	53	53
	D	52	54	54
	C	52	54	54
	AVG	51	52	53
APR	W	54	55	56
	AN	55	57	57
	BN	56	58	58
	D	56	58	58
	C	56	58	58
	AVG	55	57	57
MAY	W	58	62	62
	AN	60	62	62
	BN	59	62	61
	D	59	61	60
	C	60	62	62
	AVG	59	62	61
JUN	W	61	63	63
	AN	61	62	62
	BN	60	62	62
	D	60	63	63
	C	61	63	64
	AVG	61	63	63
JUL	W	62	63	63
	AN	61	63	63
	BN	61	63	64
	D	61	64	64
	C	63	68	68
	AVG	62	64	64

Alternative 9: Sacramento River at Hamilton City				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
AUG	W	62	65	65
	AN	62	64	65
	BN	62	65	65
	D	62	65	66
	C	65	71	71
	AVG	62	66	66
SEP	W	60	61	61
	AN	62	63	63
	BN	62	65	65
	D	62	67	67
	C	64	69	69
	AVG	62	65	64
OCT	W	55	58	58
	AN	56	58	58
	BN	56	59	59
	D	56	59	59
	C	57	60	61
	AVG	56	59	59
NOV	W	50	53	53
	AN	50	53	53
	BN	50	53	53
	D	51	53	53
	C	52	54	54
	AVG	51	53	53
DEC	W	46	47	47
	AN	46	48	48
	BN	45	48	48
	D	45	48	48
	C	45	48	48
	AVG	46	47	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Hamilton City, Year-Round

Alternative 9: Sacramento River at Hamilton City			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
JAN	W	1.6 (3.6%)	0 (0%)
	AN	1.8 (3.9%)	0 (0%)
	BN	2 (4.4%)	0 (0%)
	D	2.1 (4.7%)	-0.1 (-0.2%)
	C	2.3 (5.2%)	-0.2 (-0.4%)
	AVG	1.9 (4.3%)	0 (-0.1%)
FEB	W	1.7 (3.6%)	0 (0%)
	AN	1.8 (3.8%)	0 (0%)
	BN	1.9 (4%)	0 (0%)
	D	2.1 (4.5%)	0 (0%)
	C	2.2 (4.6%)	0 (-0.1%)
	AVG	1.9 (4%)	0 (0%)
MAR	W	1.5 (3.1%)	0 (0%)
	AN	1.7 (3.4%)	0.1 (0.2%)
	BN	1.9 (3.8%)	0.1 (0.1%)
	D	1.8 (3.5%)	0 (0%)
	C	1.9 (3.6%)	-0.1 (-0.1%)
	AVG	1.7 (3.4%)	0 (0%)
APR	W	1.9 (3.6%)	0 (0.1%)
	AN	2 (3.6%)	-0.1 (-0.2%)
	BN	2 (3.7%)	0 (0%)
	D	1.9 (3.3%)	-0.2 (-0.3%)
	C	2 (3.7%)	0 (0%)
	AVG	2 (3.5%)	0 (-0.1%)
MAY	W	3.2 (5.6%)	0 (0%)
	AN	2 (3.3%)	0 (-0.1%)
	BN	2.1 (3.5%)	-0.4 (-0.7%)
	D	1 (1.7%)	-1 (-1.7%)
	C	2 (3.3%)	0 (-0.1%)
	AVG	2.2 (3.7%)	-0.3 (-0.5%)
JUN	W	2 (3.2%)	0 (0%)
	AN	1.5 (2.5%)	-0.2 (-0.3%)
	BN	2.2 (3.6%)	0.1 (0.2%)
	D	2.2 (3.7%)	0.1 (0.1%)
	C	2.3 (3.8%)	0.2 (0.4%)
	AVG	2 (3.4%)	0 (0.1%)
JUL	W	1.4 (2.2%)	0.1 (0.2%)
	AN	1.8 (2.9%)	0.1 (0.2%)
	BN	2.4 (3.9%)	0.3 (0.5%)
	D	3 (4.9%)	0.5 (0.8%)
	C	4.8 (7.6%)	0 (0%)
	AVG	2.5 (4%)	0.2 (0.3%)

Alternative 9: Sacramento River at Hamilton City			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
AUG	W	3.4 (5.5%)	0.2 (0.2%)
	AN	2.6 (4.2%)	0.5 (0.8%)
	BN	3.2 (5.2%)	0.2 (0.4%)
	D	3.5 (5.6%)	0.3 (0.5%)
	C	6.1 (9.5%)	-0.5 (-0.7%)
	AVG	3.7 (5.9%)	0.2 (0.2%)
SEP	W	0.7 (1.2%)	-0.3 (-0.5%)
	AN	0.8 (1.3%)	0 (0%)
	BN	3.1 (5%)	-0.1 (-0.2%)
	D	5.2 (8.3%)	0.1 (0.1%)
	C	5 (7.8%)	0.1 (0.1%)
	AVG	2.8 (4.5%)	-0.1 (-0.2%)
OCT	W	2.8 (5%)	0 (0%)
	AN	2.8 (5.1%)	0.2 (0.3%)
	BN	2.9 (5.1%)	0 (0%)
	D	3 (5.3%)	0 (0%)
	C	3.4 (5.9%)	0.1 (0.2%)
	AVG	2.9 (5.2%)	0 (0.1%)
NOV	W	2.4 (4.8%)	0 (0%)
	AN	2.4 (4.8%)	0 (0%)
	BN	2.7 (5.4%)	0.1 (0.1%)
	D	2.4 (4.8%)	0 (0%)
	C	2.6 (5.1%)	0 (0.1%)
	AVG	2.5 (4.9%)	0 (0%)
DEC	W	1.4 (3%)	-0.1 (-0.1%)
	AN	2 (4.4%)	0 (0%)
	BN	2.2 (4.8%)	0 (0.1%)
	D	2.1 (4.6%)	0 (-0.1%)
	C	2.5 (5.5%)	0.2 (0.5%)
	AVG	1.9 (4.2%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.9.6 Trinity River below Lewiston Reservoir

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 9 Model Scenarios in the Trinity River below Lewiston Reservoir, Year-Round

Alternative 9: Trinity River below Lewiston Reservoir				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
JAN	W	41	43	43
	AN	38	41	40
	BN	39	41	41
	D	39	41	41
	C	39	42	41
	AVG	39	42	42
FEB	W	43	45	45
	AN	43	45	45
	BN	42	44	44
	D	42	45	45
	C	43	45	46
	AVG	43	45	45
MAR	W	46	48	48
	AN	47	49	49
	BN	47	48	49
	D	48	50	50
	C	48	50	50
	AVG	47	49	49
APR	W	49	51	51
	AN	50	52	52
	BN	51	53	53
	D	51	53	53
	C	50	52	52
	AVG	50	52	52
MAY	W	46	48	48
	AN	46	48	48
	BN	46	49	49
	D	47	49	49
	C	49	52	52
	AVG	47	49	49
JUN	W	48	51	51
	AN	51	52	52
	BN	52	53	53
	D	52	54	54
	C	56	59	58
	AVG	51	53	53
JUL	W	51	55	54
	AN	52	54	53
	BN	52	55	55
	D	51	54	53
	C	53	60	60
	AVG	51	55	55

Alternative 9: Trinity River below Lewiston Reservoir				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
AUG	W	52	54	54
	AN	51	53	53
	BN	52	55	55
	D	50	54	54
	C	54	63	64
	AVG	52	56	55
SEP	W	49	51	51
	AN	50	51	52
	BN	51	55	55
	D	50	56	56
	C	57	62	62
	AVG	51	54	54
OCT	W	48	51	51
	AN	49	52	52
	BN	50	53	53
	D	50	52	52
	C	51	56	56
	AVG	49	52	52
NOV	W	44	47	47
	AN	45	47	47
	BN	45	47	47
	D	44	47	47
	C	46	48	48
	AVG	45	47	47
DEC	W	41	43	43
	AN	39	43	43
	BN	40	42	42
	D	40	42	42
	C	39	41	41
	AVG	40	42	42

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River below Lewiston Reservoir, Year-Round

Alternative 9: Trinity River below Lewiston Reservoir			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
JAN	W	1.9 (4.7%)	-0.1 (-0.3%)
	AN	2.1 (5.4%)	-0.3 (-0.8%)
	BN	1.9 (4.9%)	-0.2 (-0.5%)
	D	2.5 (6.6%)	-0.2 (-0.4%)
	C	2 (5.1%)	-0.3 (-0.7%)
	AVG	2.1 (5.3%)	-0.2 (-0.5%)
FEB	W	2.3 (5.4%)	-0.1 (-0.1%)
	AN	2.2 (5.2%)	0 (-0.1%)
	BN	2.1 (5.1%)	0 (0%)
	D	2.3 (5.4%)	0 (0.1%)
	C	2.4 (5.5%)	0.2 (0.4%)
	AVG	2.3 (5.3%)	0 (0%)
MAR	W	2.1 (4.5%)	0.1 (0.2%)
	AN	1.5 (3.2%)	-0.2 (-0.4%)
	BN	2.1 (4.5%)	0.3 (0.6%)
	D	1.5 (3.1%)	0 (0%)
	C	2.1 (4.3%)	0 (0%)
	AVG	1.9 (4%)	0.1 (0.1%)
APR	W	2.1 (4.3%)	0.6 (1.2%)
	AN	2.1 (4.3%)	0.2 (0.3%)
	BN	2.5 (4.9%)	0 (0%)
	D	2.2 (4.3%)	0 (-0.1%)
	C	2.2 (4.3%)	0 (0.1%)
	AVG	2.2 (4.4%)	0.2 (0.4%)
MAY	W	2.5 (5.4%)	0 (0.1%)
	AN	2.3 (5%)	0 (0%)
	BN	2.2 (4.8%)	0 (0%)
	D	2.5 (5.4%)	-0.1 (-0.1%)
	C	3.1 (6.4%)	0 (0%)
	AVG	2.5 (5.4%)	0 (0%)
JUN	W	2.2 (4.6%)	0 (0%)
	AN	1.4 (2.7%)	0.3 (0.5%)
	BN	1.7 (3.3%)	-0.1 (-0.2%)
	D	2.2 (4.2%)	-0.1 (-0.2%)
	C	2.7 (4.8%)	-1 (-1.7%)
	AVG	2.1 (4.1%)	-0.2 (-0.3%)
JUL	W	3.4 (6.7%)	-0.4 (-0.7%)
	AN	1.8 (3.6%)	-0.2 (-0.3%)
	BN	2.6 (5.1%)	-0.6 (-1.1%)
	D	2.4 (4.7%)	-0.3 (-0.5%)
	C	7.3 (13.8%)	0.4 (0.7%)
	AVG	3.4 (6.6%)	-0.3 (-0.5%)

Alternative 9: Trinity River below Lewiston Reservoir			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
AUG	W	2.1 (4%)	0 (0%)
	AN	2.1 (4%)	-0.2 (-0.3%)
	BN	2.8 (5.3%)	-0.2 (-0.4%)
	D	3.7 (7.3%)	-0.4 (-0.7%)
	C	10 (18.6%)	0.6 (0.9%)
	AVG	3.7 (7.2%)	0 (-0.1%)
SEP	W	1.8 (3.8%)	-0.1 (-0.1%)
	AN	1.8 (3.6%)	0.1 (0.1%)
	BN	3.4 (6.6%)	-0.1 (-0.2%)
	D	6.3 (12.6%)	0.4 (0.8%)
	C	5.1 (9%)	-0.6 (-1%)
	AVG	3.6 (7%)	0 (0%)
OCT	W	3 (6.3%)	-0.2 (-0.4%)
	AN	2.4 (4.8%)	0 (0%)
	BN	3 (6%)	0.2 (0.3%)
	D	2.5 (5%)	0.2 (0.5%)
	C	4.4 (8.6%)	0 (0%)
	AVG	3 (6.1%)	0 (0%)
NOV	W	2.5 (5.7%)	-0.1 (-0.1%)
	AN	2.5 (5.6%)	0.3 (0.6%)
	BN	2.5 (5.7%)	0 (0%)
	D	2.9 (6.5%)	0.2 (0.3%)
	C	2.3 (4.9%)	0.2 (0.4%)
	AVG	2.6 (5.8%)	0.1 (0.2%)
DEC	W	2.3 (5.6%)	0.2 (0.6%)
	AN	3.4 (8.6%)	-0.2 (-0.5%)
	BN	2.4 (6.1%)	-0.1 (-0.2%)
	D	2.1 (5.3%)	0.3 (0.7%)
	C	2 (5.2%)	0.3 (0.7%)
	AVG	2.4 (6%)	0.1 (0.3%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.9.7 Trinity River at Douglas City

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 9 Model Scenarios in the Trinity River at Douglas City, Year-Round

Alternative 9: Trinity River at Douglas City				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
JAN	W	40	42	42
	AN	39	40	40
	BN	38	40	40
	D	38	40	40
	C	39	41	41
	AVG	39	41	41
FEB	W	43	45	45
	AN	43	45	45
	BN	42	44	44
	D	43	44	44
	C	43	45	45
	AVG	43	45	45
MAR	W	46	47	47
	AN	47	48	48
	BN	47	48	48
	D	48	49	49
	C	48	49	49
	AVG	47	48	48
APR	W	51	52	52
	AN	52	53	53
	BN	52	54	54
	D	53	54	54
	C	52	54	54
	AVG	52	53	53
MAY	W	48	50	50
	AN	48	50	50
	BN	49	51	51
	D	49	51	51
	C	52	55	55
	AVG	49	51	51
JUN	W	51	54	54
	AN	54	55	55
	BN	55	57	57
	D	57	59	59
	C	60	63	62
	AVG	55	57	57
JUL	W	57	61	60
	AN	58	60	60
	BN	59	62	61
	D	59	62	62
	C	62	67	66
	AVG	59	62	62

Alternative 9: Trinity River at Douglas City				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
AUG	W	60	62	62
	AN	59	61	61
	BN	60	63	63
	D	58	62	62
	C	61	67	68
	AVG	60	63	63
SEP	W	55	57	57
	AN	55	57	57
	BN	56	59	59
	D	55	60	60
	C	59	64	63
	AVG	56	59	59
OCT	W	50	53	53
	AN	51	53	53
	BN	52	54	54
	D	51	53	53
	C	53	56	56
	AVG	51	54	54
NOV	W	44	46	46
	AN	45	47	47
	BN	45	47	47
	D	44	46	46
	C	46	47	48
	AVG	44	47	47
DEC	W	41	43	43
	AN	40	42	42
	BN	39	42	42
	D	40	42	42
	C	39	41	41
	AVG	40	42	42

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River at Douglas City, Year-Round

Alternative 9: Trinity River at Douglas City			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
JAN	W	1.5 (3.7%)	-0.1 (-0.2%)
	AN	1.5 (3.8%)	-0.1 (-0.3%)
	BN	1.4 (3.6%)	-0.1 (-0.2%)
	D	2.1 (5.4%)	-0.1 (-0.2%)
	C	1.9 (5%)	-0.1 (-0.3%)
	AVG	1.7 (4.3%)	-0.1 (-0.3%)
FEB	W	1.6 (3.6%)	0 (-0.1%)
	AN	1.5 (3.5%)	0 (0%)
	BN	1.6 (3.8%)	0 (0%)
	D	1.6 (3.7%)	0 (0%)
	C	1.9 (4.4%)	0.1 (0.2%)
	AVG	1.6 (3.8%)	0 (0%)
MAR	W	1.2 (2.7%)	0 (0.1%)
	AN	0.9 (2%)	-0.1 (-0.1%)
	BN	1.2 (2.6%)	0.1 (0.1%)
	D	1 (2.2%)	0 (0%)
	C	1.5 (3.2%)	0 (0%)
	AVG	1.2 (2.5%)	0 (0%)
APR	W	1.4 (2.9%)	0.2 (0.4%)
	AN	1.5 (2.8%)	0.1 (0.2%)
	BN	1.7 (3.2%)	0 (0%)
	D	1.7 (3.2%)	0 (-0.1%)
	C	1.8 (3.5%)	0 (0%)
	AVG	1.6 (3.1%)	0.1 (0.1%)
MAY	W	2.3 (4.9%)	0 (0.1%)
	AN	2.2 (4.7%)	0 (0%)
	BN	2.1 (4.4%)	0 (0%)
	D	2.4 (4.9%)	-0.1 (-0.1%)
	C	3 (5.8%)	0 (0%)
	AVG	2.4 (4.9%)	0 (0%)
JUN	W	2.1 (4.1%)	0 (0%)
	AN	1.2 (2.2%)	0.2 (0.4%)
	BN	1.8 (3.2%)	-0.1 (-0.1%)
	D	2.3 (4%)	-0.1 (-0.1%)
	C	2.5 (4.2%)	-0.6 (-1%)
	AVG	2 (3.7%)	-0.1 (-0.2%)
JUL	W	3.5 (6.1%)	-0.3 (-0.4%)
	AN	2.1 (3.7%)	-0.1 (-0.2%)
	BN	2.4 (4%)	-0.3 (-0.5%)
	D	2.6 (4.3%)	-0.1 (-0.2%)
	C	3.8 (6.2%)	-0.8 (-1.2%)
	AVG	2.9 (5%)	-0.3 (-0.5%)

Alternative 9: Trinity River at Douglas City			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
AUG	W	2.5 (4.3%)	0 (0%)
	AN	2.5 (4.3%)	-0.1 (-0.1%)
	BN	2.9 (4.9%)	-0.1 (-0.2%)
	D	3.5 (6%)	-0.2 (-0.3%)
	C	7.6 (12.5%)	1.3 (2%)
	AVG	3.6 (6%)	0.1 (0.2%)
SEP	W	2.4 (4.4%)	0 (-0.1%)
	AN	2.3 (4.3%)	0 (0.1%)
	BN	3.3 (5.9%)	-0.1 (-0.1%)
	D	4.9 (9%)	0.3 (0.4%)
	C	3.8 (6.4%)	-1.5 (-2.4%)
	AVG	3.3 (5.9%)	-0.2 (-0.3%)
OCT	W	2.4 (4.8%)	-0.1 (-0.3%)
	AN	1.9 (3.7%)	0 (0%)
	BN	2.5 (4.7%)	0.1 (0.1%)
	D	2.1 (4.1%)	0.1 (0.3%)
	C	3.1 (5.8%)	0 (0%)
	AVG	2.4 (4.7%)	0 (0%)
NOV	W	2.1 (4.7%)	0 (0%)
	AN	2.1 (4.8%)	0.1 (0.3%)
	BN	2.2 (4.9%)	0 (0%)
	D	2.3 (5.1%)	0.1 (0.1%)
	C	1.9 (4.2%)	0 (0.1%)
	AVG	2.1 (4.8%)	0 (0.1%)
DEC	W	1.5 (3.6%)	0.1 (0.2%)
	AN	2.3 (5.7%)	-0.1 (-0.3%)
	BN	2.1 (5.2%)	-0.1 (-0.1%)
	D	1.9 (4.7%)	0.2 (0.4%)
	C	2.3 (5.9%)	0.1 (0.2%)
	AVG	1.9 (4.7%)	0 (0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.9.8 Trinity River below North Fork

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 9 Model Scenarios in the Trinity River below North Fork, Year-Round

Alternative 9: Trinity River below North Fork				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
JAN	W	40	41	41
	AN	38	39	39
	BN	38	39	39
	D	38	39	39
	C	38	40	40
	AVG	39	40	40
FEB	W	43	44	44
	AN	43	44	44
	BN	43	44	44
	D	43	44	44
	C	43	45	45
	AVG	43	44	44
MAR	W	46	47	47
	AN	46	47	47
	BN	46	47	47
	D	47	48	48
	C	48	49	49
	AVG	47	47	47
APR	W	53	53	53
	AN	54	54	54
	BN	54	55	55
	D	54	55	55
	C	54	55	55
	AVG	53	54	54
MAY	W	50	52	52
	AN	50	52	52
	BN	51	53	53
	D	51	54	54
	C	54	57	57
	AVG	51	53	53
JUN	W	55	57	57
	AN	58	58	59
	BN	60	61	61
	D	62	64	64
	C	63	66	65
	AVG	59	61	61
JUL	W	63	66	66
	AN	63	66	66
	BN	65	67	67
	D	65	68	68
	C	68	71	71
	AVG	65	67	67

Alternative 9: Trinity River below North Fork				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
AUG	W	65	68	68
	AN	64	67	67
	BN	65	68	68
	D	64	67	67
	C	65	69	71
	AVG	65	68	68
SEP	W	59	62	62
	AN	59	61	61
	BN	59	62	62
	D	58	62	62
	C	61	64	63
	AVG	59	62	62
OCT	W	53	55	55
	AN	53	55	55
	BN	54	56	56
	D	53	54	54
	C	54	56	56
	AVG	53	55	55
NOV	W	44	45	45
	AN	44	46	46
	BN	44	46	46
	D	44	45	45
	C	45	47	47
	AVG	44	46	46
DEC	W	41	42	42
	AN	40	42	41
	BN	39	41	41
	D	40	41	41
	C	38	40	40
	AVG	40	41	41

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River below North Fork, Year-Round

Alternative 9: Trinity River below North Fork			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
JAN	W	1.1 (2.7%)	-0.1 (-0.1%)
	AN	1 (2.6%)	0 (-0.1%)
	BN	1 (2.7%)	0 (-0.1%)
	D	1.5 (4.1%)	-0.1 (-0.2%)
	C	1.6 (4.3%)	-0.1 (-0.1%)
	AVG	1.2 (3.2%)	-0.1 (-0.1%)
FEB	W	1.1 (2.4%)	0 (0%)
	AN	1 (2.3%)	0 (0%)
	BN	1.1 (2.5%)	-0.1 (-0.1%)
	D	1.1 (2.5%)	0 (0%)
	C	1.4 (3.3%)	0 (0.1%)
	AVG	1.1 (2.6%)	0 (0%)
MAR	W	0.7 (1.6%)	0 (0%)
	AN	0.6 (1.3%)	0 (0%)
	BN	0.8 (1.6%)	0 (0%)
	D	0.7 (1.5%)	0 (0%)
	C	1.1 (2.2%)	0 (0%)
	AVG	0.8 (1.7%)	0 (0%)
APR	W	0.9 (1.7%)	0.1 (0.1%)
	AN	0.9 (1.7%)	0 (0%)
	BN	1.1 (2%)	0 (0%)
	D	1.2 (2.2%)	0 (0%)
	C	1.4 (2.6%)	0 (0%)
	AVG	1.1 (2%)	0 (0%)
MAY	W	2.1 (4.2%)	0 (0%)
	AN	2.1 (4.1%)	0 (0%)
	BN	1.9 (3.7%)	0 (0%)
	D	2.2 (4.3%)	0 (0%)
	C	2.6 (4.9%)	0 (0%)
	AVG	2.2 (4.2%)	0 (0%)
JUN	W	1.8 (3.3%)	0 (0%)
	AN	0.9 (1.5%)	0.1 (0.2%)
	BN	1.7 (2.8%)	0 (-0.1%)
	D	2.2 (3.5%)	0 (-0.1%)
	C	2.2 (3.5%)	-0.3 (-0.5%)
	AVG	1.8 (3.1%)	0 (-0.1%)
JUL	W	3.2 (5.2%)	-0.2 (-0.2%)
	AN	2.1 (3.3%)	-0.1 (-0.1%)
	BN	2.1 (3.3%)	-0.1 (-0.2%)
	D	2.4 (3.8%)	-0.1 (-0.1%)
	C	2.9 (4.3%)	-0.4 (-0.6%)
	AVG	2.7 (4.1%)	-0.2 (-0.2%)

Alternative 9: Trinity River below North Fork			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
AUG	W	2.5 (3.9%)	0 (0%)
	AN	2.6 (4.1%)	0 (0%)
	BN	2.8 (4.3%)	-0.1 (-0.1%)
	D	3.2 (5%)	-0.1 (-0.1%)
	C	5.6 (8.6%)	1.7 (2.5%)
	AVG	3.2 (4.9%)	0.2 (0.3%)
SEP	W	2.6 (4.3%)	0 (0%)
	AN	2.5 (4.3%)	0 (0%)
	BN	3 (5.1%)	0 (0%)
	D	3.9 (6.6%)	0.1 (0.2%)
	C	2.3 (3.8%)	-0.7 (-1.1%)
	AVG	2.9 (4.9%)	-0.1 (-0.1%)
OCT	W	1.9 (3.6%)	-0.1 (-0.1%)
	AN	1.9 (3.5%)	0 (0%)
	BN	2 (3.8%)	0.1 (0.1%)
	D	1.9 (3.5%)	0.1 (0.1%)
	C	2.6 (4.8%)	0 (0%)
	AVG	2 (3.8%)	0 (0%)
NOV	W	1.6 (3.7%)	0 (0%)
	AN	1.6 (3.6%)	0.1 (0.1%)
	BN	1.8 (4.1%)	0 (0%)
	D	1.7 (3.9%)	0 (0%)
	C	1.7 (3.9%)	0.1 (0.1%)
	AVG	1.7 (3.8%)	0 (0%)
DEC	W	1 (2.3%)	0 (0.1%)
	AN	1.5 (3.7%)	-0.1 (-0.1%)
	BN	1.7 (4.2%)	0 (0%)
	D	1.5 (3.8%)	0.1 (0.2%)
	C	1.9 (5%)	0 (0%)
	AVG	1.4 (3.5%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.9.9 Feather River at Fish Barrier Dam

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 9 Model Scenarios in the Feather River at Fish Barrier Dam, Year-Round

Alternative 9: Feather River at Fish Barrier Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
JAN	W	48	51	51
	AN	47	50	50
	BN	48	51	51
	D	47	51	51
	C	48	51	51
	AVG	48	51	51
FEB	W	48	51	51
	AN	48	51	51
	BN	48	51	51
	D	49	52	52
	C	49	53	53
	AVG	48	51	51
MAR	W	49	51	51
	AN	49	51	51
	BN	50	53	53
	D	51	53	53
	C	51	54	54
	AVG	50	52	52
APR	W	51	52	52
	AN	51	53	53
	BN	52	54	54
	D	52	54	54
	C	52	54	54
	AVG	51	53	53
MAY	W	55	56	55
	AN	56	56	56
	BN	56	56	56
	D	56	56	56
	C	56	57	56
	AVG	55	56	56
JUN	W	57	58	58
	AN	58	58	58
	BN	58	58	58
	D	58	58	58
	C	58	59	59
	AVG	58	58	58
JUL	W	61	61	61
	AN	61	61	61
	BN	61	61	61
	D	61	61	61
	C	61	62	63
	AVG	61	61	62

Alternative 9: Feather River at Fish Barrier Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
AUG	W	61	61	61
	AN	60	60	60
	BN	60	60	60
	D	60	62	62
	C	62	64	64
	AVG	61	61	61
SEP	W	56	55	55
	AN	56	55	56
	BN	56	57	57
	D	56	61	61
	C	58	63	64
	AVG	56	58	58
OCT	W	54	58	58
	AN	55	58	59
	BN	54	58	58
	D	54	59	59
	C	54	58	59
	AVG	54	58	59
NOV	W	52	58	58
	AN	53	58	59
	BN	53	58	58
	D	52	59	59
	C	53	58	58
	AVG	53	58	58
DEC	W	49	53	53
	AN	49	55	55
	BN	49	54	54
	D	49	54	54
	C	49	54	54
	AVG	49	54	54

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Fish Barrier Dam, Year-Round

Alternative 9: Feather River at Fish Barrier Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
JAN	W	2.8 (5.8%)	0 (0%)
	AN	3 (6.3%)	-0.1 (-0.1%)
	BN	3.1 (6.5%)	0.1 (0.2%)
	D	3.5 (7.3%)	0 (0.1%)
	C	3.7 (7.7%)	-0.2 (-0.3%)
	AVG	3.2 (6.6%)	0 (0%)
FEB	W	2.6 (5.4%)	0 (0%)
	AN	2.5 (5.3%)	0 (0%)
	BN	3.1 (6.3%)	0.1 (0.1%)
	D	3 (6.2%)	0.1 (0.2%)
	C	3.4 (6.9%)	-0.1 (-0.1%)
	AVG	2.9 (5.9%)	0 (0%)
MAR	W	2.5 (5.2%)	0 (0.1%)
	AN	2.2 (4.5%)	0 (-0.1%)
	BN	3.3 (6.7%)	0.1 (0.2%)
	D	2.5 (4.9%)	0.2 (0.3%)
	C	3.1 (6.1%)	0 (0%)
	AVG	2.7 (5.4%)	0.1 (0.1%)
APR	W	1.9 (3.7%)	0 (0.1%)
	AN	1.7 (3.2%)	0 (-0.1%)
	BN	1.7 (3.2%)	0 (0%)
	D	1.8 (3.5%)	-0.1 (-0.2%)
	C	2.5 (4.9%)	0 (0%)
	AVG	1.9 (3.7%)	0 (0%)
MAY	W	0.6 (1.1%)	-0.1 (-0.2%)
	AN	0.4 (0.7%)	-0.1 (-0.2%)
	BN	0 (0.1%)	-0.3 (-0.5%)
	D	0 (-0.1%)	-0.3 (-0.5%)
	C	0.5 (0.9%)	-0.3 (-0.5%)
	AVG	0.3 (0.6%)	-0.2 (-0.4%)
JUN	W	0.5 (0.9%)	0.1 (0.1%)
	AN	0.4 (0.6%)	0 (0%)
	BN	0.3 (0.4%)	0 (0%)
	D	0.5 (0.9%)	0 (0%)
	C	1.1 (2%)	-0.1 (-0.1%)
	AVG	0.5 (0.9%)	0 (0%)
JUL	W	0.2 (0.3%)	0.1 (0.1%)
	AN	0.3 (0.4%)	0 (0%)
	BN	0.4 (0.7%)	0 (0%)
	D	0.7 (1.2%)	0.2 (0.3%)
	C	1.8 (3%)	0.4 (0.6%)
	AVG	0.6 (1%)	0.1 (0.2%)

Alternative 9: Feather River at Fish Barrier Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
AUG	W	-0.3 (-0.4%)	0 (0%)
	AN	0.2 (0.3%)	0 (0%)
	BN	0.5 (0.8%)	0 (-0.1%)
	D	1.8 (3%)	-0.1 (-0.1%)
	C	2.1 (3.3%)	-0.3 (-0.5%)
	AVG	0.7 (1.2%)	-0.1 (-0.1%)
SEP	W	-0.7 (-1.2%)	-0.1 (-0.2%)
	AN	-0.1 (-0.1%)	0.4 (0.7%)
	BN	1.4 (2.4%)	-0.2 (-0.3%)
	D	4.7 (8.5%)	-0.2 (-0.3%)
	C	5.8 (10%)	0.4 (0.6%)
	AVG	1.9 (3.4%)	0 (0%)
OCT	W	4.3 (8.1%)	-0.2 (-0.3%)
	AN	3.7 (6.7%)	0.3 (0.5%)
	BN	4 (7.4%)	-0.3 (-0.5%)
	D	5.7 (10.5%)	0 (-0.1%)
	C	4.6 (8.4%)	0.8 (1.4%)
	AVG	4.5 (8.4%)	0 (0.1%)
NOV	W	6 (11.5%)	0.2 (0.3%)
	AN	5.6 (10.5%)	0.7 (1.1%)
	BN	5.6 (10.5%)	0.1 (0.2%)
	D	6.4 (12.2%)	0.1 (0.1%)
	C	5.5 (10.5%)	0.3 (0.5%)
	AVG	5.9 (11.2%)	0.2 (0.4%)
DEC	W	4.5 (9.2%)	0 (0%)
	AN	5.7 (11.6%)	0.1 (0.1%)
	BN	5.8 (11.8%)	0.2 (0.4%)
	D	5.1 (10.5%)	0 (0.1%)
	C	4.8 (9.8%)	0.1 (0.1%)
	AVG	5.1 (10.3%)	0.1 (0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.9.10 Feather River Low-Flow Channel (above Thermalito Afterbay)

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 9 Model Scenarios in the Feather River Low-Flow Channel (above Thermalito Afterbay), Year-Round

Alternative 9: Feather River Low-Flow Channel (above Thermalito Afterbay)				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
JAN	W	47	50	50
	AN	47	50	50
	BN	47	50	50
	D	47	50	50
	C	47	51	51
	AVG	47	50	50
FEB	W	49	51	51
	AN	49	51	51
	BN	49	52	52
	D	49	52	52
	C	50	53	53
	AVG	49	52	52
MAR	W	50	53	53
	AN	51	53	53
	BN	51	54	54
	D	52	55	55
	C	53	56	56
	AVG	51	54	54
APR	W	53	55	55
	AN	55	57	57
	BN	55	57	57
	D	55	57	57
	C	55	57	57
	AVG	55	57	57
MAY	W	59	61	61
	AN	60	62	62
	BN	60	61	61
	D	60	61	61
	C	60	62	61
	AVG	60	61	61
JUN	W	63	65	65
	AN	64	66	66
	BN	64	65	65
	D	64	66	66
	C	63	65	65
	AVG	64	65	65

Alternative 9: Feather River Low-Flow Channel (above Thermalito Afterbay)				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
JUL	W	68	69	69
	AN	67	69	69
	BN	67	69	69
	D	67	69	69
	C	67	70	70
	AVG	67	69	69
AUG	W	66	68	68
	AN	65	67	67
	BN	66	68	68
	D	65	68	68
	C	67	70	70
	AVG	66	68	68
SEP	W	60	61	61
	AN	60	61	61
	BN	60	62	62
	D	60	65	65
	C	61	66	67
	AVG	60	63	63
OCT	W	55	60	60
	AN	57	60	60
	BN	56	60	60
	D	56	61	61
	C	56	60	61
	AVG	56	60	60
NOV	W	52	58	58
	AN	53	58	58
	BN	53	58	58
	D	53	58	58
	C	53	58	58
	AVG	53	58	58
DEC	W	48	53	53
	AN	49	54	54
	BN	48	53	53
	D	48	53	53
	C	48	53	53
	AVG	48	53	53

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather Low-Flow Channel (above Thermalito Afterbay), Year-Round

Alternative 9: Feather River Low-Flow Channel (above Thermalito Afterbay)			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
JAN	W	2.8 (6%)	0 (0.1%)
	AN	3 (6.4%)	-0.1 (-0.1%)
	BN	3.1 (6.5%)	0.1 (0.2%)
	D	3.3 (7.1%)	0 (0.1%)
	C	3.5 (7.5%)	-0.1 (-0.2%)
	AVG	3.1 (6.6%)	0 (0%)
FEB	W	2.6 (5.4%)	0 (-0.1%)
	AN	2.6 (5.3%)	0 (0%)
	BN	3 (6.1%)	0.1 (0.1%)
	D	2.9 (5.9%)	0.1 (0.1%)
	C	3.3 (6.6%)	-0.1 (-0.1%)
	AVG	2.9 (5.8%)	0 (0%)
MAR	W	2.5 (5%)	0 (0%)
	AN	2.3 (4.5%)	0 (-0.1%)
	BN	3.1 (6%)	0.1 (0.1%)
	D	2.5 (4.8%)	0.1 (0.2%)
	C	3 (5.7%)	0 (0%)
	AVG	2.6 (5.1%)	0 (0.1%)
APR	W	1.9 (3.5%)	0 (0%)
	AN	1.9 (3.5%)	0 (0%)
	BN	1.9 (3.4%)	0 (0%)
	D	2.1 (3.7%)	-0.1 (-0.2%)
	C	2.5 (4.6%)	0 (0%)
	AVG	2 (3.7%)	0 (0%)
MAY	W	1.4 (2.3%)	-0.1 (-0.1%)
	AN	1.3 (2.1%)	-0.1 (-0.1%)
	BN	1 (1.7%)	-0.2 (-0.3%)
	D	1 (1.6%)	-0.2 (-0.3%)
	C	1.3 (2.2%)	-0.2 (-0.4%)
	AVG	1.2 (2%)	-0.1 (-0.2%)
JUN	W	1.6 (2.6%)	0 (0%)
	AN	1.7 (2.7%)	0 (0%)
	BN	1.6 (2.5%)	0 (0%)
	D	1.9 (2.9%)	0 (0%)
	C	2.1 (3.4%)	0 (0%)
	AVG	1.8 (2.8%)	0 (0%)
JUL	W	1.7 (2.4%)	0 (0.1%)
	AN	1.8 (2.6%)	0 (0%)
	BN	1.8 (2.7%)	0 (0%)
	D	2 (3%)	0.1 (0.1%)
	C	2.9 (4.3%)	0.2 (0.3%)
	AVG	2 (2.9%)	0.1 (0.1%)

Alternative 9: Feather River Low-Flow Channel (above Thermalito Afterbay)			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
AUG	W	1.5 (2.2%)	0 (0%)
	AN	1.7 (2.6%)	0 (0%)
	BN	2 (3%)	0 (0%)
	D	2.8 (4.3%)	0 (-0.1%)
	C	3 (4.5%)	-0.2 (-0.3%)
	AVG	2.1 (3.2%)	-0.1 (-0.1%)
SEP	W	0.8 (1.3%)	0 (-0.1%)
	AN	1.1 (1.9%)	0.3 (0.5%)
	BN	2.2 (3.6%)	-0.1 (-0.2%)
	D	4.7 (7.8%)	-0.1 (-0.2%)
	C	5.3 (8.7%)	0.3 (0.4%)
	AVG	2.6 (4.3%)	0 (0%)
OCT	W	4.1 (7.5%)	-0.2 (-0.3%)
	AN	3.6 (6.4%)	0.3 (0.4%)
	BN	3.9 (7%)	-0.2 (-0.4%)
	D	5.2 (9.3%)	0 (0%)
	C	4.4 (7.8%)	0.6 (1.1%)
	AVG	4.3 (7.7%)	0 (0.1%)
NOV	W	5.5 (10.6%)	0.1 (0.3%)
	AN	5.2 (9.7%)	0.5 (0.9%)
	BN	5.1 (9.7%)	0.1 (0.2%)
	D	5.8 (11.1%)	0.1 (0.1%)
	C	5.1 (9.7%)	0.3 (0.5%)
	AVG	5.4 (10.3%)	0.2 (0.3%)
DEC	W	4.2 (8.8%)	0 (0%)
	AN	5.2 (10.7%)	0 (0.1%)
	BN	5.3 (11%)	0.2 (0.4%)
	D	4.8 (9.9%)	0 (0.1%)
	C	4.5 (9.3%)	0 (0.1%)
	AVG	4.7 (9.7%)	0.1 (0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.9.11 Feather River High-Flow Channel (below Thermalito Afterbay)

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 9 Model Scenarios in the Feather River High-Flow Channel (below Thermalito Afterbay), Year-Round

Alternative 9: Feather River High-Flow Channel (below Thermalito Afterbay)				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
JAN	W	47	50	50
	AN	47	50	49
	BN	46	49	49
	D	46	49	49
	C	46	50	50
	AVG	47	49	49
FEB	W	49	52	52
	AN	49	52	52
	BN	49	52	52
	D	50	53	53
	C	51	54	54
	AVG	50	52	52
MAR	W	51	54	54
	AN	52	54	54
	BN	53	56	56
	D	54	57	57
	C	54	57	57
	AVG	53	55	55
APR	W	55	57	57
	AN	57	59	59
	BN	58	59	59
	D	57	60	60
	C	57	60	60
	AVG	57	59	59
MAY	W	61	63	63
	AN	63	64	64
	BN	63	65	65
	D	63	65	65
	C	63	66	65
	AVG	62	64	64
JUN	W	66	68	68
	AN	67	70	70
	BN	67	70	70
	D	68	71	71
	C	68	71	71
	AVG	67	70	70

Alternative 9: Feather River High-Flow Channel (below Thermalito Afterbay)				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
JUL	W	70	70	70
	AN	68	69	69
	BN	68	70	70
	D	68	70	71
	C	70	74	75
	AVG	69	71	71
AUG	W	70	70	70
	AN	67	69	69
	BN	68	70	70
	D	67	71	71
	C	70	74	74
	AVG	69	71	71
SEP	W	64	63	63
	AN	64	64	64
	BN	65	68	67
	D	64	67	67
	C	64	69	69
	AVG	64	66	66
OCT	W	58	62	62
	AN	60	63	63
	BN	59	63	63
	D	58	63	63
	C	59	63	63
	AVG	59	63	63
NOV	W	53	57	57
	AN	54	58	58
	BN	53	57	57
	D	53	57	57
	C	53	57	58
	AVG	53	57	57
DEC	W	48	51	51
	AN	48	52	52
	BN	47	51	51
	D	47	51	51
	C	47	50	50
	AVG	47	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather High-Flow Channel (below Thermalito Afterbay), Year-Round

Alternative 9: Feather River High-Flow Channel (below Thermalito Afterbay)			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
JAN	W	2.7 (5.7%)	0 (0%)
	AN	2.8 (6%)	-0.1 (-0.2%)
	BN	2.8 (6%)	0.1 (0.1%)
	D	2.9 (6.4%)	0 (0.1%)
	C	3.2 (6.9%)	-0.1 (-0.2%)
	AVG	2.9 (6.1%)	0 (0%)
FEB	W	2.6 (5.3%)	-0.1 (-0.1%)
	AN	3 (6.1%)	-0.1 (-0.2%)
	BN	3 (6.1%)	0 (0.1%)
	D	2.8 (5.6%)	0 (0.1%)
	C	3.2 (6.2%)	0 (0.1%)
	AVG	2.9 (5.8%)	0 (0%)
MAR	W	2.4 (4.6%)	0.1 (0.1%)
	AN	1.7 (3.2%)	-0.1 (-0.1%)
	BN	3 (5.6%)	0 (0%)
	D	2.5 (4.7%)	0 (0.1%)
	C	2.9 (5.5%)	-0.1 (-0.1%)
	AVG	2.5 (4.7%)	0 (0%)
APR	W	2 (3.6%)	0 (0%)
	AN	2.2 (3.9%)	0 (-0.1%)
	BN	1.7 (2.9%)	-0.1 (-0.1%)
	D	2.6 (4.5%)	0.2 (0.3%)
	C	2.5 (4.5%)	0.1 (0.1%)
	AVG	2.2 (3.9%)	0 (0.1%)
MAY	W	2.9 (4.7%)	0.1 (0.2%)
	AN	1.5 (2.5%)	-0.1 (-0.1%)
	BN	2.1 (3.3%)	0 (0%)
	D	1.8 (2.9%)	-0.5 (-0.7%)
	C	2 (3.2%)	-0.3 (-0.4%)
	AVG	2.2 (3.5%)	-0.1 (-0.2%)
JUN	W	2.8 (4.3%)	0.2 (0.2%)
	AN	2.5 (3.7%)	0 (0%)
	BN	2.4 (3.6%)	0 (0.1%)
	D	2.7 (3.9%)	-0.2 (-0.3%)
	C	3.2 (4.7%)	0.2 (0.2%)
	AVG	2.7 (4.1%)	0 (0.1%)
JUL	W	0.7 (1.1%)	0.3 (0.4%)
	AN	1.4 (2%)	0 (0%)
	BN	2.2 (3.2%)	0.2 (0.3%)
	D	2.8 (4.2%)	0.6 (0.8%)
	C	5 (7.2%)	0.7 (1%)
	AVG	2.2 (3.2%)	0.4 (0.5%)

Alternative 9: Feather River High-Flow Channel (below Thermalito Afterbay)			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
AUG	W	0.7 (1%)	0 (0%)
	AN	1.7 (2.5%)	-0.1 (-0.2%)
	BN	2.2 (3.2%)	0 (0.1%)
	D	4.2 (6.3%)	0.3 (0.4%)
	C	4.2 (6%)	0.1 (0.1%)
	AVG	2.4 (3.5%)	0.1 (0.1%)
SEP	W	-1 (-1.5%)	-0.2 (-0.4%)
	AN	-0.2 (-0.2%)	0.3 (0.4%)
	BN	2.6 (4%)	-0.3 (-0.5%)
	D	2.6 (4.1%)	0.1 (0.2%)
	C	4.5 (7%)	-0.4 (-0.6%)
	AVG	1.4 (2.1%)	-0.1 (-0.2%)
OCT	W	3.9 (6.6%)	-0.1 (-0.1%)
	AN	3.5 (5.9%)	0.1 (0.2%)
	BN	3.6 (6.1%)	0 (-0.1%)
	D	4.4 (7.5%)	0.1 (0.1%)
	C	3.9 (6.6%)	0.1 (0.1%)
	AVG	3.9 (6.6%)	0 (0%)
NOV	W	4.4 (8.3%)	0.1 (0.2%)
	AN	4.3 (8%)	0.3 (0.5%)
	BN	4.2 (8%)	0.1 (0.2%)
	D	4.7 (8.9%)	0 (0.1%)
	C	4.1 (7.6%)	0 (0.1%)
	AVG	4.4 (8.2%)	0.1 (0.2%)
DEC	W	3.5 (7.3%)	0 (0%)
	AN	4.4 (9.2%)	-0.1 (-0.2%)
	BN	4.3 (9.1%)	0 (0.1%)
	D	3.9 (8.2%)	-0.2 (-0.4%)
	C	3.8 (8.2%)	0 (-0.1%)
	AVG	3.9 (8.2%)	-0.1 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.9.12 Feather River at Gridley Dam

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 9 Model Scenarios in the Feather River at Gridley Dam, Year-Round

Alternative 9: Feather River at Gridley Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
JAN	W	47	50	50
	AN	47	49	49
	BN	46	49	49
	D	46	48	48
	C	46	49	49
	AVG	46	49	49
FEB	W	49	52	52
	AN	49	52	52
	BN	50	53	53
	D	50	53	53
	C	51	54	54
	AVG	50	53	53
MAR	W	51	54	54
	AN	53	54	54
	BN	54	57	57
	D	55	57	57
	C	54	57	57
	AVG	53	56	56
APR	W	56	58	58
	AN	58	60	60
	BN	59	61	60
	D	59	61	61
	C	58	61	61
	AVG	58	60	60
MAY	W	61	64	64
	AN	64	66	66
	BN	64	66	66
	D	64	66	66
	C	64	67	66
	AVG	63	66	65
JUN	W	67	69	69
	AN	69	71	71
	BN	69	71	71
	D	69	72	72
	C	69	72	72
	AVG	68	71	71
JUL	W	70	71	71
	AN	69	70	70
	BN	69	71	71
	D	69	71	72
	C	71	75	76
	AVG	70	72	72

Alternative 9: Feather River at Gridley Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
AUG	W	71	71	71
	AN	68	70	70
	BN	69	71	71
	D	68	72	72
	C	71	75	75
	AVG	69	72	72
SEP	W	65	64	64
	AN	65	64	65
	BN	66	69	69
	D	65	68	68
	C	66	70	70
	AVG	65	67	67
OCT	W	59	63	63
	AN	60	63	63
	BN	60	63	63
	D	59	63	63
	C	59	63	63
	AVG	59	63	63
NOV	W	53	57	57
	AN	54	58	58
	BN	53	57	57
	D	53	57	57
	C	54	57	58
	AVG	53	57	57
DEC	W	48	51	51
	AN	47	52	52
	BN	47	51	51
	D	47	51	50
	C	46	50	50
	AVG	47	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Gridley Dam, Year-Round

Alternative 9: Feather River at Gridley Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
JAN	W	2.7 (5.7%)	0 (0.1%)
	AN	2.8 (6.1%)	-0.1 (-0.2%)
	BN	2.8 (6%)	0.1 (0.1%)
	D	2.9 (6.3%)	0 (0.1%)
	C	3.2 (6.8%)	-0.1 (-0.2%)
	AVG	2.8 (6.1%)	0 (0%)
FEB	W	2.6 (5.3%)	-0.1 (-0.1%)
	AN	3 (6.1%)	-0.1 (-0.2%)
	BN	3 (6.1%)	0 (0.1%)
	D	2.8 (5.6%)	0 (0.1%)
	C	3.1 (6.1%)	0 (0%)
	AVG	2.8 (5.7%)	0 (0%)
MAR	W	2.3 (4.6%)	0.1 (0.1%)
	AN	1.7 (3.2%)	0 (-0.1%)
	BN	3 (5.7%)	0 (0.1%)
	D	2.5 (4.6%)	0 (0.1%)
	C	2.8 (5.2%)	0 (-0.1%)
	AVG	2.5 (4.7%)	0 (0%)
APR	W	2 (3.6%)	0 (0%)
	AN	2.3 (3.9%)	0 (0%)
	BN	1.8 (3%)	-0.1 (-0.2%)
	D	2.4 (4.1%)	0.1 (0.1%)
	C	2.5 (4.3%)	0 (0.1%)
	AVG	2.2 (3.8%)	0 (0%)
MAY	W	3 (4.9%)	0 (0%)
	AN	1.7 (2.7%)	-0.1 (-0.2%)
	BN	1.9 (2.9%)	-0.2 (-0.3%)
	D	1.6 (2.4%)	-0.6 (-0.9%)
	C	2 (3.1%)	-0.3 (-0.4%)
	AVG	2.2 (3.4%)	-0.2 (-0.3%)
JUN	W	2.9 (4.4%)	0.2 (0.2%)
	AN	2.5 (3.6%)	0 (0%)
	BN	2.3 (3.4%)	0 (0.1%)
	D	2.7 (3.9%)	-0.2 (-0.2%)
	C	3.2 (4.6%)	0.1 (0.1%)
	AVG	2.8 (4%)	0 (0%)
JUL	W	0.9 (1.3%)	0.3 (0.4%)
	AN	1.5 (2.2%)	0 (-0.1%)
	BN	2.3 (3.4%)	0.2 (0.3%)
	D	3 (4.4%)	0.6 (0.9%)
	C	5.1 (7.3%)	0.8 (1%)
	AVG	2.3 (3.4%)	0.4 (0.5%)

Alternative 9: Feather River at Gridley Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
AUG	W	0.6 (0.9%)	0 (0%)
	AN	1.7 (2.5%)	-0.1 (-0.2%)
	BN	2.4 (3.4%)	0 (0.1%)
	D	4.5 (6.7%)	0.3 (0.3%)
	C	4.1 (5.8%)	-0.1 (-0.1%)
	AVG	2.5 (3.5%)	0 (0%)
SEP	W	-1.5 (-2.3%)	-0.2 (-0.3%)
	AN	-0.5 (-0.8%)	0.3 (0.4%)
	BN	2.6 (3.9%)	-0.3 (-0.4%)
	D	3.4 (5.2%)	0.1 (0.1%)
	C	4.4 (6.8%)	-0.3 (-0.4%)
	AVG	1.3 (2%)	-0.1 (-0.2%)
OCT	W	3.9 (6.5%)	-0.1 (-0.1%)
	AN	3.4 (5.7%)	0.1 (0.1%)
	BN	3.6 (6.1%)	0 (0%)
	D	4.2 (7.1%)	0.1 (0.1%)
	C	3.9 (6.5%)	0.1 (0.2%)
	AVG	3.8 (6.5%)	0 (0%)
NOV	W	4.2 (8%)	0.1 (0.1%)
	AN	4.2 (7.7%)	0.3 (0.5%)
	BN	4.1 (7.8%)	0.1 (0.2%)
	D	4.5 (8.6%)	0 (0%)
	C	4 (7.5%)	0.1 (0.1%)
	AVG	4.2 (8%)	0.1 (0.2%)
DEC	W	3.4 (7.2%)	0 (0.1%)
	AN	4.3 (9.1%)	-0.1 (-0.1%)
	BN	4.1 (8.9%)	0 (0.1%)
	D	3.8 (8.1%)	-0.2 (-0.4%)
	C	3.7 (8%)	0 (0%)
	AVG	3.8 (8.1%)	0 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.9.13 Feather River at Honcut Creek

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 9 Model Scenarios in the Feather River at Honcut Creek, Year-Round

Alternative 9: Feather River at Honcut Creek				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
JAN	W	47	50	50
	AN	46	49	49
	BN	46	49	49
	D	45	48	48
	C	46	49	49
	AVG	46	49	49
FEB	W	49	52	52
	AN	49	53	52
	BN	50	53	53
	D	50	53	53
	C	51	54	54
	AVG	50	53	53
MAR	W	52	54	54
	AN	53	55	55
	BN	54	57	57
	D	55	58	58
	C	55	58	58
	AVG	53	56	56
APR	W	56	58	58
	AN	59	61	61
	BN	60	62	61
	D	60	62	62
	C	59	62	62
	AVG	58	61	61
MAY	W	62	65	65
	AN	65	67	67
	BN	65	67	67
	D	65	67	66
	C	65	68	67
	AVG	64	67	66
JUN	W	67	70	70
	AN	69	72	72
	BN	69	72	72
	D	70	73	73
	C	69	73	73
	AVG	69	72	72
JUL	W	71	72	72
	AN	69	71	71
	BN	69	72	72
	D	69	72	72
	C	71	76	76
	AVG	70	72	73

Alternative 9: Feather River at Honcut Creek				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
AUG	W	72	72	72
	AN	69	71	70
	BN	69	72	72
	D	68	73	73
	C	72	76	76
	AVG	70	73	73
SEP	W	66	64	64
	AN	66	65	65
	BN	67	69	69
	D	66	70	70
	C	66	71	71
	AVG	66	68	67
OCT	W	59	63	63
	AN	60	64	64
	BN	60	64	64
	D	59	63	63
	C	60	64	64
	AVG	60	63	63
NOV	W	53	57	57
	AN	54	58	58
	BN	53	57	57
	D	53	57	57
	C	54	57	58
	AVG	53	57	57
DEC	W	47	51	51
	AN	47	52	52
	BN	46	51	51
	D	46	50	50
	C	46	50	50
	AVG	47	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Honcut Creek, Year-Round

Alternative 9: Feather River at Honcut Creek			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
JAN	W	2.7 (5.7%)	0 (0%)
	AN	2.8 (6.1%)	-0.1 (-0.2%)
	BN	2.8 (6%)	0 (0.1%)
	D	2.8 (6.3%)	0 (0.1%)
	C	3.1 (6.8%)	-0.1 (-0.2%)
	AVG	2.8 (6.1%)	0 (0%)
FEB	W	2.6 (5.3%)	-0.1 (-0.1%)
	AN	3 (6%)	-0.1 (-0.2%)
	BN	3 (6%)	0 (0%)
	D	2.8 (5.6%)	0 (0%)
	C	3.1 (6%)	0 (0%)
	AVG	2.8 (5.7%)	0 (0%)
MAR	W	2.3 (4.5%)	0.1 (0.1%)
	AN	1.7 (3.2%)	0 (-0.1%)
	BN	3 (5.6%)	0 (0%)
	D	2.5 (4.6%)	0.1 (0.1%)
	C	2.8 (5.1%)	0 (0%)
	AVG	2.5 (4.6%)	0 (0%)
APR	W	2 (3.6%)	0 (0%)
	AN	2.3 (3.9%)	0 (0%)
	BN	1.9 (3.1%)	-0.1 (-0.2%)
	D	2.3 (3.8%)	0 (-0.1%)
	C	2.5 (4.2%)	0 (0%)
	AVG	2.2 (3.7%)	0 (0%)
MAY	W	3.1 (5%)	-0.1 (-0.1%)
	AN	1.9 (2.9%)	-0.2 (-0.3%)
	BN	1.7 (2.6%)	-0.3 (-0.5%)
	D	1.4 (2.1%)	-0.7 (-1%)
	C	2 (3.1%)	-0.3 (-0.5%)
	AVG	2.1 (3.3%)	-0.3 (-0.5%)
JUN	W	3 (4.5%)	0.2 (0.3%)
	AN	2.5 (3.6%)	0 (0.1%)
	BN	2.3 (3.4%)	0 (0.1%)
	D	2.8 (4%)	-0.2 (-0.2%)
	C	3.2 (4.6%)	0 (0%)
	AVG	2.8 (4.1%)	0 (0%)
JUL	W	1 (1.5%)	0.3 (0.4%)
	AN	1.6 (2.4%)	0 (0%)
	BN	2.5 (3.6%)	0.2 (0.3%)
	D	3.2 (4.7%)	0.6 (0.9%)
	C	5.3 (7.4%)	0.8 (1%)
	AVG	2.5 (3.6%)	0.4 (0.5%)

Alternative 9: Feather River at Honcut Creek			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
AUG	W	0.7 (1%)	0 (0%)
	AN	1.8 (2.6%)	-0.1 (-0.2%)
	BN	2.5 (3.6%)	0.1 (0.1%)
	D	4.7 (6.9%)	0.2 (0.3%)
	C	4 (5.6%)	-0.2 (-0.3%)
	AVG	2.5 (3.6%)	0 (0%)
SEP	W	-1.8 (-2.7%)	-0.2 (-0.3%)
	AN	-0.7 (-1.1%)	0.3 (0.4%)
	BN	2.7 (4%)	-0.2 (-0.3%)
	D	3.9 (5.9%)	0.1 (0.1%)
	C	4.4 (6.6%)	-0.2 (-0.2%)
	AVG	1.3 (2%)	-0.1 (-0.1%)
OCT	W	3.8 (6.5%)	0 (-0.1%)
	AN	3.3 (5.5%)	0.1 (0.1%)
	BN	3.6 (6%)	0 (0%)
	D	4.1 (6.9%)	0 (0.1%)
	C	3.9 (6.6%)	0.2 (0.2%)
	AVG	3.8 (6.4%)	0 (0%)
NOV	W	4.2 (7.9%)	0.1 (0.1%)
	AN	4.1 (7.6%)	0.2 (0.4%)
	BN	4.1 (7.6%)	0.1 (0.2%)
	D	4.4 (8.3%)	0 (0.1%)
	C	3.9 (7.3%)	0.1 (0.1%)
	AVG	4.1 (7.8%)	0.1 (0.2%)
DEC	W	3.4 (7.1%)	0 (0.1%)
	AN	4.2 (9%)	-0.1 (-0.1%)
	BN	4.1 (8.8%)	0 (0.1%)
	D	3.7 (8%)	-0.2 (-0.4%)
	C	3.6 (7.8%)	0.1 (0.1%)
	AVG	3.7 (7.9%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.9.14 Feather River at the Confluence with the Sacramento River

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 9 Model Scenarios in the Feather River at Confluence with the Sacramento River, Year-Round

Alternative 9: Feather River at the Confluence with the Sacramento River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
JAN	W	47	48	48
	AN	46	48	48
	BN	46	47	47
	D	45	47	47
	C	45	48	48
	AVG	46	48	48
FEB	W	50	52	52
	AN	50	52	52
	BN	50	51	51
	D	50	52	52
	C	51	53	53
	AVG	50	52	52
MAR	W	53	55	55
	AN	54	56	56
	BN	55	57	57
	D	55	57	57
	C	56	58	58
	AVG	55	56	56
APR	W	59	60	60
	AN	60	62	62
	BN	61	62	62
	D	62	64	64
	C	63	65	65
	AVG	61	63	62
MAY	W	65	68	67
	AN	66	69	69
	BN	67	69	69
	D	68	70	70
	C	68	71	71
	AVG	66	69	69
JUN	W	70	73	73
	AN	71	75	75
	BN	72	75	75
	D	73	77	77
	C	72	76	76
	AVG	71	75	75

Alternative 9: Feather River at the Confluence with the Sacramento River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
JUL	W	74	76	76
	AN	72	75	75
	BN	73	76	76
	D	73	76	77
	C	75	79	80
	AVG	73	76	77
AUG	W	73	76	76
	AN	71	74	74
	BN	72	75	75
	D	72	76	76
	C	75	79	79
	AVG	73	76	76
SEP	W	71	70	70
	AN	70	70	70
	BN	70	73	73
	D	70	74	74
	C	70	74	74
	AVG	70	72	72
OCT	W	61	64	64
	AN	62	64	64
	BN	61	64	64
	D	61	64	64
	C	62	65	65
	AVG	61	64	64
NOV	W	52	55	55
	AN	53	56	56
	BN	53	55	55
	D	52	55	55
	C	53	56	56
	AVG	53	55	55
DEC	W	47	49	49
	AN	47	50	50
	BN	46	49	49
	D	46	49	48
	C	45	47	48
	AVG	46	49	49

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at the Confluence with the Sacramento River, Year-Round

Alternative 9: Feather River at the Confluence with the Sacramento River			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
JAN	W	1.9 (4%)	0 (0%)
	AN	1.8 (3.9%)	0 (0%)
	BN	1.9 (4.1%)	0 (0.1%)
	D	2.1 (4.7%)	0 (0%)
	C	2.1 (4.7%)	-0.1 (-0.3%)
	AVG	1.9 (4.3%)	0 (0%)
FEB	W	1.9 (3.8%)	0 (0%)
	AN	1.9 (3.8%)	-0.1 (-0.1%)
	BN	1.7 (3.4%)	0 (0%)
	D	1.9 (3.8%)	0 (0%)
	C	2.2 (4.3%)	0 (0%)
	AVG	1.9 (3.8%)	0 (0%)
MAR	W	1.7 (3.3%)	0 (0%)
	AN	1.3 (2.4%)	0 (-0.1%)
	BN	1.9 (3.4%)	0 (0%)
	D	1.8 (3.2%)	0 (0%)
	C	2 (3.6%)	0 (0%)
	AVG	1.7 (3.2%)	0 (0%)
APR	W	1.6 (2.7%)	0 (0%)
	AN	1.9 (3.2%)	0 (0%)
	BN	1.6 (2.6%)	-0.1 (-0.1%)
	D	1.9 (3.1%)	-0.1 (-0.2%)
	C	2.2 (3.5%)	0 (0%)
	AVG	1.8 (3%)	0 (-0.1%)
MAY	W	2.9 (4.5%)	-0.1 (-0.1%)
	AN	2.8 (4.2%)	-0.1 (-0.2%)
	BN	2.3 (3.4%)	-0.3 (-0.4%)
	D	2.1 (3.1%)	-0.5 (-0.8%)
	C	2.5 (3.7%)	-0.2 (-0.3%)
	AVG	2.6 (3.8%)	-0.2 (-0.3%)
JUN	W	3.6 (5.1%)	0.1 (0.1%)
	AN	3.4 (4.8%)	0.1 (0.1%)
	BN	3.4 (4.8%)	0.1 (0.1%)
	D	3.6 (5%)	-0.1 (-0.2%)
	C	3.5 (4.8%)	0 (0%)
	AVG	3.5 (4.9%)	0 (0%)
JUL	W	2.9 (3.9%)	0.2 (0.3%)
	AN	2.6 (3.6%)	0 (0%)
	BN	3.3 (4.5%)	0.2 (0.2%)
	D	3.8 (5.2%)	0.5 (0.6%)
	C	5.1 (6.9%)	0.6 (0.8%)
	AVG	3.4 (4.7%)	0.3 (0.4%)

Alternative 9: Feather River at the Confluence with the Sacramento River			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
AUG	W	2.5 (3.5%)	0 (0%)
	AN	2.6 (3.7%)	-0.1 (-0.1%)
	BN	3.1 (4.3%)	0 (0.1%)
	D	4.9 (6.9%)	0.2 (0.3%)
	C	4.1 (5.5%)	-0.2 (-0.3%)
	AVG	3.4 (4.7%)	0 (0%)
SEP	W	-0.9 (-1.3%)	-0.2 (-0.3%)
	AN	0.1 (0.1%)	0.2 (0.2%)
	BN	2.9 (4.1%)	-0.1 (-0.1%)
	D	4.5 (6.4%)	0.1 (0.1%)
	C	3.7 (5.3%)	0 (0.1%)
	AVG	1.8 (2.5%)	0 (-0.1%)
OCT	W	3.2 (5.2%)	0 (0%)
	AN	2.6 (4.3%)	0.1 (0.1%)
	BN	3 (4.8%)	0 (0%)
	D	3 (5%)	-0.1 (-0.1%)
	C	3.4 (5.5%)	0.1 (0.2%)
	AVG	3.1 (5%)	0 (0%)
NOV	W	2.8 (5.4%)	0 (0.1%)
	AN	2.9 (5.5%)	0.1 (0.1%)
	BN	2.9 (5.5%)	0.1 (0.1%)
	D	2.9 (5.5%)	0.1 (0.2%)
	C	2.8 (5.2%)	0 (0%)
	AVG	2.9 (5.4%)	0.1 (0.1%)
DEC	W	1.9 (4.1%)	0 (0.1%)
	AN	2.8 (6%)	-0.1 (-0.2%)
	BN	2.8 (6%)	0 (0%)
	D	2.2 (4.8%)	-0.4 (-0.8%)
	C	2.5 (5.6%)	0.2 (0.4%)
	AVG	2.3 (5.1%)	-0.1 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.9.15 American River below Nimbus Dam

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 9 Model Scenarios in the American River below Nimbus Dam, Year-Round

Alternative 9: American River below Nimbus Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
JAN	W	47	50	50
	AN	47	49	49
	BN	46	49	49
	D	47	49	49
	C	47	50	50
	AVG	47	50	50
FEB	W	48	51	51
	AN	48	52	52
	BN	47	51	51
	D	49	52	52
	C	51	54	54
	AVG	48	52	52
MAR	W	52	55	55
	AN	53	56	56
	BN	53	56	56
	D	53	57	57
	C	55	58	58
	AVG	53	56	56
APR	W	56	59	59
	AN	57	60	60
	BN	57	61	61
	D	59	62	62
	C	59	63	63
	AVG	58	60	60
MAY	W	60	64	64
	AN	61	66	66
	BN	61	65	65
	D	64	67	66
	C	64	68	68
	AVG	62	66	65
JUN	W	64	67	66
	AN	65	68	68
	BN	65	68	68
	D	67	69	69
	C	68	72	72
	AVG	66	68	68
JUL	W	66	68	68
	AN	66	66	67
	BN	66	67	68
	D	67	69	70
	C	70	74	74
	AVG	67	69	69

Alternative 9: American River below Nimbus Dam				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
AUG	W	67	70	70
	AN	67	69	69
	BN	67	69	69
	D	67	71	71
	C	70	76	77
	AVG	67	71	71
SEP	W	65	68	67
	AN	66	69	68
	BN	66	69	68
	D	66	71	71
	C	68	73	73
	AVG	66	70	69
OCT	W	58	68	68
	AN	59	68	68
	BN	58	68	68
	D	59	67	67
	C	61	68	68
	AVG	59	68	68
NOV	W	57	61	61
	AN	57	61	61
	BN	56	61	61
	D	57	61	61
	C	58	61	61
	AVG	57	61	61
DEC	W	50	53	53
	AN	51	53	53
	BN	50	52	53
	D	50	53	53
	C	50	52	52
	AVG	50	53	53

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River below Nimbus Dam, Year-Round

Alternative 9: American River below Nimbus Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
JAN	W	3.1 (6.7%)	0 (0%)
	AN	2.7 (5.7%)	0 (0.1%)
	BN	3 (6.6%)	0.1 (0.1%)
	D	2.9 (6.2%)	0 (0%)
	C	3 (6.4%)	0 (0%)
	AVG	3 (6.4%)	0 (0%)
FEB	W	3.4 (7.2%)	0 (0%)
	AN	3.8 (8%)	0 (0.1%)
	BN	3.3 (6.9%)	0 (0%)
	D	3.3 (6.8%)	-0.1 (-0.1%)
	C	3.2 (6.4%)	0 (-0.1%)
	AVG	3.4 (7.1%)	0 (0%)
MAR	W	3.1 (6%)	0 (0%)
	AN	2.9 (5.5%)	0 (0%)
	BN	2.7 (5.1%)	0.1 (0.2%)
	D	3.4 (6.3%)	-0.1 (-0.1%)
	C	2.9 (5.3%)	-0.1 (-0.1%)
	AVG	3 (5.8%)	0 (0%)
APR	W	3 (5.3%)	0 (0%)
	AN	3.2 (5.5%)	0 (0%)
	BN	3.1 (5.3%)	-0.1 (-0.1%)
	D	2.6 (4.4%)	0 (0.1%)
	C	3.3 (5.6%)	0.1 (0.2%)
	AVG	3 (5.2%)	0 (0%)
MAY	W	4.1 (6.8%)	-0.1 (-0.2%)
	AN	4.7 (7.6%)	-0.1 (-0.2%)
	BN	3.7 (6.1%)	-0.4 (-0.7%)
	D	2.2 (3.5%)	-0.8 (-1.2%)
	C	3.6 (5.6%)	-0.1 (-0.1%)
	AVG	3.6 (5.9%)	-0.3 (-0.5%)
JUN	W	2.7 (4.3%)	-0.2 (-0.4%)
	AN	2.6 (4%)	-0.2 (-0.3%)
	BN	3.1 (4.7%)	0.1 (0.1%)
	D	1.9 (2.8%)	0 (0.1%)
	C	4 (5.9%)	-0.2 (-0.3%)
	AVG	2.8 (4.2%)	-0.1 (-0.2%)
JUL	W	1.7 (2.6%)	0.2 (0.3%)
	AN	0.8 (1.2%)	0.4 (0.5%)
	BN	1.8 (2.8%)	0.7 (1.1%)
	D	2.9 (4.3%)	0.6 (0.9%)
	C	4.4 (6.3%)	0 (0%)
	AVG	2.3 (3.4%)	0.4 (0.5%)

Alternative 9: American River below Nimbus Dam			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
AUG	W	3.3 (4.9%)	0.1 (0.1%)
	AN	1.9 (2.8%)	-0.2 (-0.3%)
	BN	1.6 (2.4%)	-0.2 (-0.3%)
	D	4.1 (6.1%)	-0.1 (-0.1%)
	C	6.7 (9.5%)	0.4 (0.5%)
	AVG	3.5 (5.2%)	0 (0%)
SEP	W	2.4 (3.8%)	-0.2 (-0.3%)
	AN	2.7 (4.2%)	-0.3 (-0.5%)
	BN	2.2 (3.3%)	-0.6 (-0.8%)
	D	4.7 (7.1%)	-0.3 (-0.4%)
	C	4.8 (7%)	0 (0%)
	AVG	3.3 (5%)	-0.3 (-0.4%)
OCT	W	9.4 (16%)	0.1 (0.1%)
	AN	8.9 (15%)	0.2 (0.3%)
	BN	9.6 (16.5%)	-0.1 (-0.2%)
	D	8.1 (13.8%)	-0.2 (-0.3%)
	C	7 (11.6%)	-0.4 (-0.5%)
	AVG	8.7 (14.8%)	-0.1 (-0.1%)
NOV	W	4 (7%)	0.2 (0.3%)
	AN	3.7 (6.6%)	-0.1 (-0.2%)
	BN	4.5 (8%)	0.1 (0.2%)
	D	4 (7.1%)	0.2 (0.3%)
	C	3.7 (6.4%)	0.1 (0.2%)
	AVG	4 (7.1%)	0.1 (0.2%)
DEC	W	2.7 (5.3%)	0.1 (0.1%)
	AN	2.7 (5.2%)	0 (-0.1%)
	BN	2.8 (5.6%)	0.1 (0.2%)
	D	2.8 (5.6%)	0.1 (0.2%)
	C	2.6 (5.1%)	0 (0%)
	AVG	2.7 (5.4%)	0.1 (0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.9.16 American River at Watt Avenue

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 9 Model Scenarios in the American River at Watt Avenue, Year-Round

Alternative 9: American River at Watt Avenue				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
JAN	W	47	50	50
	AN	47	49	49
	BN	46	49	49
	D	46	49	49
	C	46	49	49
	AVG	46	49	49
FEB	W	48	52	52
	AN	48	52	52
	BN	48	51	51
	D	49	52	52
	C	51	54	54
	AVG	49	52	52
MAR	W	53	56	56
	AN	53	56	56
	BN	54	56	56
	D	54	57	57
	C	56	58	58
	AVG	54	56	56
APR	W	56	59	59
	AN	58	61	61
	BN	58	61	61
	D	60	63	63
	C	61	64	64
	AVG	58	61	61
MAY	W	61	65	65
	AN	62	67	67
	BN	62	67	66
	D	65	68	67
	C	66	69	69
	AVG	63	67	67
JUN	W	65	68	68
	AN	67	70	70
	BN	67	70	70
	D	69	71	71
	C	69	73	73
	AVG	67	70	70
JUL	W	68	70	70
	AN	67	68	69
	BN	67	69	70
	D	68	71	72
	C	72	76	76
	AVG	68	71	71

Alternative 9: American River at Watt Avenue				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
AUG	W	68	72	72
	AN	69	72	71
	BN	69	72	71
	D	69	73	73
	C	71	77	77
	AVG	69	73	73
SEP	W	66	69	68
	AN	66	70	70
	BN	67	70	70
	D	67	72	72
	C	69	73	73
	AVG	67	71	70
OCT	W	59	67	67
	AN	60	67	67
	BN	59	68	67
	D	60	67	67
	C	61	68	67
	AVG	60	67	67
NOV	W	56	60	60
	AN	56	60	60
	BN	56	60	60
	D	56	59	60
	C	57	60	61
	AVG	56	60	60
DEC	W	50	52	52
	AN	50	52	52
	BN	49	51	52
	D	49	52	52
	C	49	51	51
	AVG	49	52	52

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River at Watt Avenue, Year-Round

Alternative 9: American River at Watt Avenue			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
JAN	W	3.1 (6.6%)	0 (0%)
	AN	2.7 (5.8%)	0 (0%)
	BN	2.9 (6.4%)	0 (0.1%)
	D	2.8 (6%)	0 (0.1%)
	C	2.9 (6.3%)	0 (0.1%)
	AVG	2.9 (6.3%)	0 (0%)
FEB	W	3.4 (7.1%)	0 (0%)
	AN	3.7 (7.8%)	0 (0.1%)
	BN	3.1 (6.6%)	0 (0%)
	D	3.1 (6.4%)	-0.1 (-0.1%)
	C	3.2 (6.3%)	0 (-0.1%)
	AVG	3.3 (6.8%)	0 (0%)
MAR	W	3 (5.7%)	0 (0%)
	AN	2.8 (5.3%)	0 (0%)
	BN	2.6 (4.9%)	0 (0.1%)
	D	3.2 (5.9%)	0 (0%)
	C	2.7 (4.8%)	0 (-0.1%)
	AVG	2.9 (5.4%)	0 (0%)
APR	W	2.8 (5%)	0 (0%)
	AN	3.1 (5.3%)	0 (0%)
	BN	2.9 (5%)	-0.1 (-0.1%)
	D	2.5 (4.2%)	-0.1 (-0.1%)
	C	3 (4.9%)	0.2 (0.3%)
	AVG	2.8 (4.9%)	0 (0%)
MAY	W	4.2 (6.9%)	-0.1 (-0.2%)
	AN	4.7 (7.6%)	-0.1 (-0.2%)
	BN	3.6 (5.8%)	-0.5 (-0.8%)
	D	2.2 (3.4%)	-0.8 (-1.1%)
	C	3.1 (4.8%)	-0.2 (-0.3%)
	AVG	3.6 (5.6%)	-0.3 (-0.5%)
JUN	W	3.2 (4.9%)	-0.3 (-0.4%)
	AN	2.7 (4%)	-0.2 (-0.3%)
	BN	3.1 (4.7%)	0 (0.1%)
	D	2.4 (3.5%)	0.1 (0.1%)
	C	3.9 (5.6%)	-0.1 (-0.1%)
	AVG	3 (4.5%)	-0.1 (-0.1%)
JUL	W	2.3 (3.4%)	0.2 (0.3%)
	AN	1.3 (1.9%)	0.5 (0.7%)
	BN	2.6 (3.9%)	0.9 (1.3%)
	D	3.7 (5.4%)	0.8 (1.2%)
	C	3.9 (5.4%)	0 (0%)
	AVG	2.8 (4%)	0.5 (0.7%)

Alternative 9: American River at Watt Avenue			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
AUG	W	4.2 (6.2%)	0.1 (0.1%)
	AN	2.7 (3.9%)	-0.2 (-0.3%)
	BN	2.4 (3.5%)	-0.2 (-0.2%)
	D	4.7 (6.9%)	0.2 (0.2%)
	C	5.7 (8%)	0.2 (0.3%)
	AVG	4 (5.8%)	0 (0%)
SEP	W	2.7 (4.1%)	-0.2 (-0.4%)
	AN	3.1 (4.7%)	-0.3 (-0.4%)
	BN	2.9 (4.4%)	-0.4 (-0.5%)
	D	4.6 (6.9%)	-0.2 (-0.3%)
	C	4.4 (6.3%)	0 (0%)
	AVG	3.5 (5.2%)	-0.2 (-0.3%)
OCT	W	7.8 (13.2%)	0 (0.1%)
	AN	7.5 (12.6%)	0.1 (0.1%)
	BN	8.1 (13.6%)	-0.2 (-0.2%)
	D	6.7 (11.3%)	-0.1 (-0.1%)
	C	5.9 (9.6%)	-0.3 (-0.5%)
	AVG	7.3 (12.2%)	-0.1 (-0.1%)
NOV	W	3.7 (6.6%)	0.1 (0.2%)
	AN	3.5 (6.2%)	-0.1 (-0.2%)
	BN	4.1 (7.4%)	0.1 (0.2%)
	D	3.7 (6.6%)	0.3 (0.4%)
	C	3.5 (6.2%)	0.1 (0.2%)
	AVG	3.7 (6.6%)	0.1 (0.2%)
DEC	W	2.6 (5.2%)	0.1 (0.1%)
	AN	2.5 (5.1%)	0 (-0.1%)
	BN	2.7 (5.5%)	0.1 (0.2%)
	D	2.6 (5.4%)	0.2 (0.4%)
	C	2.3 (4.8%)	0.1 (0.1%)
	AVG	2.6 (5.2%)	0.1 (0.2%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.9.17 American River at the Confluence with the Sacramento River

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 9 Model Scenarios in the American River at the Confluence with the Sacramento River, Year-Round

Alternative 9: American River at the Confluence with the Sacramento River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
JAN	W	47	50	50
	AN	46	49	49
	BN	46	48	48
	D	46	48	48
	C	46	49	49
	AVG	46	49	49
FEB	W	48	52	52
	AN	48	52	52
	BN	48	51	51
	D	49	52	52
	C	51	55	55
	AVG	49	52	52
MAR	W	53	56	56
	AN	53	56	56
	BN	54	56	56
	D	55	58	58
	C	56	59	59
	AVG	54	57	57
APR	W	57	60	60
	AN	58	61	61
	BN	59	62	62
	D	61	63	63
	C	62	64	64
	AVG	59	62	62
MAY	W	61	66	65
	AN	63	68	68
	BN	63	67	67
	D	66	69	68
	C	67	70	69
	AVG	64	67	67
JUN	W	65	69	69
	AN	68	71	71
	BN	68	71	71
	D	70	72	72
	C	70	74	74
	AVG	68	71	71

Alternative 9: American River at the Confluence with the Sacramento River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
JUL	W	69	71	71
	AN	68	69	70
	BN	68	70	71
	D	69	72	73
	C	73	76	76
	AVG	69	72	72
AUG	W	69	73	73
	AN	69	73	72
	BN	70	73	73
	D	69	74	74
	C	72	77	77
	AVG	70	74	74
SEP	W	66	69	69
	AN	67	70	70
	BN	67	71	71
	D	68	72	72
	C	69	74	74
	AVG	67	71	71
OCT	W	60	67	67
	AN	60	67	67
	BN	60	67	67
	D	60	66	66
	C	62	67	67
	AVG	60	67	67
NOV	W	56	60	60
	AN	56	60	59
	BN	55	59	59
	D	56	59	59
	C	57	60	60
	AVG	56	59	59
DEC	W	49	52	52
	AN	49	52	52
	BN	48	51	51
	D	49	51	51
	C	48	50	50
	AVG	49	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River at the Confluence with the Sacramento River, Year-Round

Alternative 9: American River at the Confluence with the Sacramento River			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
JAN	W	3.1 (6.6%)	0 (0%)
	AN	2.7 (5.9%)	0 (0%)
	BN	2.9 (6.3%)	0 (0.1%)
	D	2.7 (5.9%)	0 (0.1%)
	C	2.9 (6.4%)	0 (0.1%)
	AVG	2.9 (6.3%)	0 (0%)
FEB	W	3.4 (7%)	0 (0%)
	AN	3.7 (7.7%)	0 (0.1%)
	BN	3.1 (6.4%)	0 (0%)
	D	3 (6.2%)	-0.1 (-0.2%)
	C	3.2 (6.2%)	0 (0%)
	AVG	3.3 (6.7%)	0 (0%)
MAR	W	2.9 (5.6%)	0 (0%)
	AN	2.8 (5.2%)	0 (0%)
	BN	2.5 (4.7%)	0 (0.1%)
	D	3.1 (5.7%)	0 (0%)
	C	2.6 (4.6%)	0 (0%)
	AVG	2.8 (5.2%)	0 (0%)
APR	W	2.8 (4.9%)	0 (0%)
	AN	3 (5.2%)	0 (0%)
	BN	2.9 (4.9%)	-0.1 (-0.2%)
	D	2.5 (4.1%)	-0.1 (-0.1%)
	C	2.8 (4.6%)	0.2 (0.3%)
	AVG	2.8 (4.7%)	0 (0%)
MAY	W	4.2 (6.9%)	-0.1 (-0.2%)
	AN	4.7 (7.5%)	-0.1 (-0.2%)
	BN	3.6 (5.7%)	-0.5 (-0.8%)
	D	2.3 (3.4%)	-0.7 (-1%)
	C	2.9 (4.4%)	-0.2 (-0.3%)
	AVG	3.6 (5.6%)	-0.3 (-0.5%)
JUN	W	3.4 (5.2%)	-0.3 (-0.4%)
	AN	2.8 (4.1%)	-0.2 (-0.3%)
	BN	3.1 (4.6%)	0 (0%)
	D	2.6 (3.7%)	0.1 (0.1%)
	C	3.8 (5.4%)	-0.1 (-0.1%)
	AVG	3.1 (4.6%)	-0.1 (-0.1%)
JUL	W	2.6 (3.8%)	0.3 (0.4%)
	AN	1.6 (2.3%)	0.5 (0.8%)
	BN	3 (4.5%)	1 (1.4%)
	D	4.1 (5.9%)	0.9 (1.3%)
	C	3.7 (5.1%)	0 (0%)
	AVG	3 (4.4%)	0.5 (0.7%)

Alternative 9: American River at the Confluence with the Sacramento River			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
AUG	W	4.6 (6.8%)	0.1 (0.1%)
	AN	3.1 (4.5%)	-0.2 (-0.3%)
	BN	2.7 (3.9%)	-0.1 (-0.2%)
	D	5 (7.2%)	0.3 (0.4%)
	C	5.3 (7.4%)	0.2 (0.3%)
	AVG	4.3 (6.1%)	0 (0.1%)
SEP	W	2.9 (4.3%)	-0.3 (-0.4%)
	AN	3.3 (5%)	-0.3 (-0.4%)
	BN	3.3 (4.9%)	-0.3 (-0.5%)
	D	4.5 (6.7%)	-0.1 (-0.2%)
	C	4.2 (6%)	0 (0%)
	AVG	3.6 (5.3%)	-0.2 (-0.3%)
OCT	W	7 (11.7%)	0 (0%)
	AN	6.8 (11.3%)	0 (0%)
	BN	7.2 (12.1%)	-0.2 (-0.3%)
	D	6.1 (10.1%)	0 (0%)
	C	5.3 (8.6%)	-0.3 (-0.4%)
	AVG	6.6 (10.9%)	-0.1 (-0.1%)
NOV	W	3.6 (6.4%)	0.1 (0.2%)
	AN	3.3 (6%)	-0.1 (-0.2%)
	BN	3.9 (7.1%)	0.1 (0.2%)
	D	3.5 (6.3%)	0.3 (0.5%)
	C	3.4 (6%)	0.2 (0.3%)
	AVG	3.6 (6.4%)	0.1 (0.2%)
DEC	W	2.5 (5.1%)	0.1 (0.2%)
	AN	2.5 (5.1%)	0 (0%)
	BN	2.7 (5.5%)	0.1 (0.2%)
	D	2.6 (5.3%)	0.2 (0.5%)
	C	2.2 (4.6%)	0.1 (0.1%)
	AVG	2.5 (5.1%)	0.1 (0.2%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.9.18 Stanislaus River at Knights Ferry

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 9 Model Scenarios in the Stanislaus River at Knights Ferry, Year-Round

Alternative 9: Stanislaus River at Knights Ferry				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
JAN	W	49	52	52
	AN	49	52	52
	BN	49	52	52
	D	48	51	51
	C	49	52	52
	AVG	49	52	52
FEB	W	49	52	52
	AN	49	52	52
	BN	49	52	52
	D	49	52	52
	C	50	53	53
	AVG	49	52	52
MAR	W	49	52	52
	AN	49	53	53
	BN	51	54	54
	D	51	54	54
	C	52	55	55
	AVG	50	54	54
APR	W	50	53	53
	AN	50	54	54
	BN	51	55	55
	D	52	55	55
	C	53	57	57
	AVG	51	54	54
MAY	W	51	55	55
	AN	53	56	56
	BN	54	57	57
	D	55	58	58
	C	56	59	59
	AVG	53	57	57
JUN	W	54	56	56
	AN	56	59	59
	BN	58	61	61
	D	59	63	63
	C	60	64	64
	AVG	57	60	60
JUL	W	57	59	59
	AN	59	62	62
	BN	60	63	63
	D	61	65	65
	C	62	66	66
	AVG	59	63	63

Alternative 9: Stanislaus River at Knights Ferry				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
AUG	W	58	61	61
	AN	60	63	63
	BN	60	64	64
	D	61	65	65
	C	62	67	67
	AVG	60	64	64
SEP	W	59	62	62
	AN	60	64	64
	BN	61	64	64
	D	62	65	65
	C	63	67	67
	AVG	61	64	64
OCT	W	59	62	62
	AN	59	62	62
	BN	59	62	62
	D	58	62	62
	C	60	64	64
	AVG	59	63	63
NOV	W	56	59	59
	AN	56	59	59
	BN	56	59	59
	D	56	59	59
	C	57	61	61
	AVG	56	60	60
DEC	W	52	55	55
	AN	52	55	55
	BN	51	54	54
	D	51	54	54
	C	52	55	55
	AVG	51	55	55

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Knights Ferry, Year-Round

Alternative 9: Stanislaus River at Knights Ferry			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
JAN	W	3.1 (6.3%)	0 (0%)
	AN	3.1 (6.3%)	0 (0%)
	BN	3.1 (6.4%)	0 (0%)
	D	3 (6.3%)	0 (0%)
	C	3 (6.2%)	0 (0%)
	AVG	3.1 (6.3%)	0 (0%)
FEB	W	3.1 (6.4%)	0 (0%)
	AN	3.2 (6.5%)	0 (0%)
	BN	3 (6.2%)	0 (0%)
	D	3.2 (6.5%)	0 (0%)
	C	3.1 (6.2%)	0 (0%)
	AVG	3.1 (6.4%)	0 (0%)
MAR	W	3.2 (6.5%)	0 (0%)
	AN	3.6 (7.3%)	0 (0%)
	BN	3.1 (6.1%)	0 (0%)
	D	3.3 (6.5%)	0 (0%)
	C	3 (5.8%)	0 (0%)
	AVG	3.2 (6.5%)	0 (0%)
APR	W	3.1 (6.2%)	0 (0%)
	AN	3.3 (6.5%)	0 (0%)
	BN	3.4 (6.6%)	0 (0%)
	D	3.5 (6.7%)	0 (0%)
	C	3.6 (6.7%)	0 (0%)
	AVG	3.3 (6.5%)	0 (0%)
MAY	W	3 (5.9%)	0 (0%)
	AN	3.1 (5.9%)	0 (0%)
	BN	3.5 (6.5%)	0 (0%)
	D	3.4 (6.2%)	0 (0%)
	C	3.3 (5.9%)	0 (0%)
	AVG	3.2 (6%)	0 (0%)
JUN	W	2.6 (4.8%)	0 (0%)
	AN	3.3 (6%)	0 (0%)
	BN	3.6 (6.3%)	0 (0%)
	D	3.8 (6.5%)	0 (0%)
	C	4 (6.6%)	-0.2 (-0.3%)
	AVG	3.4 (5.9%)	0 (-0.1%)
JUL	W	2.5 (4.4%)	0 (0%)
	AN	3.3 (5.7%)	0 (0%)
	BN	3.5 (5.9%)	0 (0%)
	D	3.7 (6.1%)	0 (0%)
	C	4.6 (7.4%)	0.5 (0.7%)
	AVG	3.4 (5.8%)	0.1 (0.1%)

Alternative 9: Stanislaus River at Knights Ferry			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
AUG	W	3.4 (5.8%)	0 (0%)
	AN	3.4 (5.7%)	0 (0%)
	BN	3.5 (5.8%)	0 (0%)
	D	3.6 (5.8%)	0 (0%)
	C	4.3 (6.9%)	0 (0%)
	AVG	3.6 (6%)	0 (0%)
SEP	W	3.5 (6%)	0 (0%)
	AN	3.6 (6%)	0 (0%)
	BN	3.6 (5.9%)	0 (0%)
	D	3.7 (6%)	0 (0%)
	C	3.9 (6.2%)	0 (0%)
	AVG	3.6 (6%)	0 (0%)
OCT	W	3.5 (5.9%)	0 (0%)
	AN	3.2 (5.4%)	0.2 (0.3%)
	BN	3.3 (5.6%)	0 (0%)
	D	3.5 (5.9%)	0 (0%)
	C	3.6 (6%)	-0.1 (-0.2%)
	AVG	3.4 (5.8%)	0 (0%)
NOV	W	3.3 (5.9%)	0 (0%)
	AN	3.1 (5.5%)	0 (0%)
	BN	3.3 (5.8%)	0 (0%)
	D	3.4 (6%)	0 (0%)
	C	3.4 (6%)	0 (-0.1%)
	AVG	3.3 (5.8%)	0 (0%)
DEC	W	3.3 (6.4%)	0 (0%)
	AN	3 (5.9%)	0 (0%)
	BN	3.3 (6.4%)	0 (0%)
	D	3.2 (6.2%)	0 (0%)
	C	3.3 (6.3%)	0 (0%)
	AVG	3.2 (6.3%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.9.19 Stanislaus River at Orange Blossom Bridge

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 9 Model Scenarios in the Stanislaus River at Orange Blossom Bridge, Year-Round

Alternative 9: Stanislaus River at Orange Blossom Bridge				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
JAN	W	48	51	51
	AN	48	51	51
	BN	48	51	51
	D	47	50	50
	C	48	51	51
	AVG	48	51	51
FEB	W	49	52	52
	AN	49	52	52
	BN	49	52	52
	D	49	52	52
	C	50	53	53
	AVG	49	52	52
MAR	W	49	53	53
	AN	50	54	54
	BN	52	55	55
	D	52	56	56
	C	53	56	56
	AVG	51	54	54
APR	W	50	53	53
	AN	51	54	54
	BN	52	56	56
	D	53	56	56
	C	55	58	58
	AVG	52	55	55
MAY	W	53	56	56
	AN	54	57	57
	BN	55	59	59
	D	56	60	60
	C	58	61	61
	AVG	55	58	58
JUN	W	56	58	58
	AN	58	62	62
	BN	60	64	64
	D	62	66	66
	C	63	67	67
	AVG	59	63	63
JUL	W	60	62	62
	AN	63	66	66
	BN	63	67	67
	D	64	68	68
	C	65	69	69
	AVG	63	66	66

Alternative 9: Stanislaus River at Orange Blossom Bridge				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
AUG	W	60	64	64
	AN	63	66	66
	BN	63	66	66
	D	64	68	68
	C	65	69	69
	AVG	63	66	66
SEP	W	60	64	64
	AN	63	66	66
	BN	63	67	67
	D	63	67	67
	C	64	68	68
	AVG	62	66	66
OCT	W	59	62	62
	AN	59	62	62
	BN	59	62	62
	D	59	62	62
	C	60	64	64
	AVG	59	62	63
NOV	W	55	58	58
	AN	55	58	58
	BN	55	58	58
	D	55	58	58
	C	56	59	59
	AVG	55	58	58
DEC	W	50	54	53
	AN	50	53	53
	BN	49	53	53
	D	50	52	52
	C	50	53	53
	AVG	50	53	53

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Orange Blossom Bridge, Year-Round

Alternative 9: Stanislaus River at Orange Blossom Bridge			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
JAN	W	3 (6.2%)	0 (0%)
	AN	3 (6.3%)	0 (0%)
	BN	2.9 (6.1%)	0 (0%)
	D	2.8 (5.9%)	0 (0%)
	C	2.8 (5.8%)	0 (0%)
	AVG	2.9 (6.1%)	0 (0%)
FEB	W	3.1 (6.3%)	0 (0%)
	AN	3.1 (6.3%)	0 (0%)
	BN	3 (6%)	0 (0%)
	D	3.2 (6.5%)	0 (0%)
	C	3.2 (6.3%)	0 (0%)
	AVG	3.1 (6.3%)	0 (0%)
MAR	W	3.2 (6.4%)	0 (0%)
	AN	3.7 (7.3%)	0 (0%)
	BN	3 (5.8%)	0 (0%)
	D	3.4 (6.6%)	0 (0%)
	C	3.1 (5.8%)	0 (0%)
	AVG	3.3 (6.4%)	0 (0%)
APR	W	3.1 (6.1%)	0 (0%)
	AN	3.3 (6.5%)	0 (0%)
	BN	3.5 (6.7%)	0 (0%)
	D	3.6 (6.8%)	0 (0%)
	C	3.6 (6.6%)	0 (0%)
	AVG	3.4 (6.5%)	0 (0%)
MAY	W	3.2 (6%)	0 (0%)
	AN	3.2 (6%)	0 (0%)
	BN	3.9 (7.1%)	0 (0%)
	D	3.6 (6.5%)	0 (0%)
	C	3.4 (6%)	0 (0%)
	AVG	3.4 (6.2%)	0 (0%)
JUN	W	2.3 (4.1%)	0 (0%)
	AN	3.8 (6.5%)	0 (0%)
	BN	3.9 (6.5%)	0 (0%)
	D	4.3 (6.9%)	0 (0%)
	C	4 (6.4%)	-0.1 (-0.1%)
	AVG	3.5 (5.9%)	0 (0%)
JUL	W	2.1 (3.5%)	0 (0%)
	AN	3.5 (5.7%)	0 (0%)
	BN	3.5 (5.6%)	0 (0%)
	D	3.9 (6.1%)	0.1 (0.1%)
	C	4.3 (6.7%)	0.3 (0.4%)
	AVG	3.3 (5.3%)	0.1 (0.1%)

Alternative 9: Stanislaus River at Orange Blossom Bridge			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
AUG	W	3.9 (6.4%)	0 (0%)
	AN	3.5 (5.7%)	0 (0%)
	BN	3.5 (5.5%)	0 (0%)
	D	3.5 (5.5%)	0 (0%)
	C	4.2 (6.5%)	0 (0%)
	AVG	3.7 (6%)	0 (0%)
SEP	W	3.8 (6.3%)	0 (0%)
	AN	3.9 (6.2%)	0 (0%)
	BN	3.7 (6%)	0 (0%)
	D	3.7 (5.9%)	0 (0%)
	C	3.9 (6.1%)	0 (0%)
	AVG	3.8 (6.1%)	0 (0%)
OCT	W	3.3 (5.6%)	0 (0%)
	AN	3.1 (5.3%)	0.1 (0.1%)
	BN	3.2 (5.4%)	0 (0%)
	D	3.4 (5.7%)	0 (0%)
	C	3.5 (5.8%)	0 (-0.1%)
	AVG	3.3 (5.6%)	0 (0%)
NOV	W	3.1 (5.7%)	0 (0%)
	AN	3.1 (5.6%)	0 (0%)
	BN	3.2 (5.8%)	0 (0%)
	D	3.2 (5.9%)	0 (0%)
	C	3.2 (5.7%)	0 (0%)
	AVG	3.1 (5.7%)	0 (0%)
DEC	W	3.2 (6.3%)	0 (-0.1%)
	AN	2.9 (5.8%)	0 (0%)
	BN	3.3 (6.6%)	0 (0%)
	D	3 (6%)	0 (0%)
	C	3.1 (6.2%)	0 (0%)
	AVG	3.1 (6.2%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.9.20 Stanislaus River at Riverbank

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 9 Model Scenarios in the Stanislaus River at Riverbank, Year-Round

Alternative 9: Stanislaus River at Riverbank				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
JAN	W	47	50	50
	AN	47	49	49
	BN	46	49	49
	D	45	48	48
	C	46	49	49
	AVG	46	49	49
FEB	W	49	52	52
	AN	50	53	53
	BN	50	52	52
	D	50	53	53
	C	51	54	54
	AVG	50	53	53
MAR	W	51	54	54
	AN	52	55	55
	BN	53	56	56
	D	54	57	57
	C	54	57	57
	AVG	52	56	56
APR	W	52	55	55
	AN	53	56	56
	BN	54	57	57
	D	54	58	58
	C	57	60	60
	AVG	54	57	57
MAY	W	56	59	59
	AN	57	60	60
	BN	58	62	62
	D	59	62	62
	C	60	64	64
	AVG	58	61	61
JUN	W	60	62	62
	AN	62	66	66
	BN	64	68	68
	D	66	70	70
	C	66	70	70
	AVG	63	67	67
JUL	W	65	67	67
	AN	68	71	71
	BN	68	71	71
	D	68	72	72
	C	68	72	72
	AVG	67	70	70

Alternative 9: Stanislaus River at Riverbank				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
AUG	W	65	69	69
	AN	67	70	70
	BN	67	70	70
	D	68	71	71
	C	67	71	71
	AVG	66	70	70
SEP	W	64	67	67
	AN	66	70	70
	BN	66	69	69
	D	66	70	70
	C	66	70	70
	AVG	65	69	69
OCT	W	59	63	63
	AN	59	62	62
	BN	59	62	62
	D	59	62	62
	C	61	64	64
	AVG	60	63	63
NOV	W	53	56	56
	AN	53	56	56
	BN	53	56	56
	D	53	56	56
	C	54	57	57
	AVG	53	56	56
DEC	W	48	51	51
	AN	48	50	50
	BN	47	50	50
	D	47	50	50
	C	47	50	50
	AVG	47	50	50

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Riverbank, Year-Round

Alternative 9: Stanislaus River at Riverbank			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
JAN	W	2.9 (6.3%)	0 (0%)
	AN	3 (6.4%)	0 (0%)
	BN	2.8 (6%)	0 (0%)
	D	2.5 (5.6%)	0 (0%)
	C	2.7 (5.8%)	0 (0%)
	AVG	2.8 (6.1%)	0 (0%)
FEB	W	2.9 (5.9%)	0 (0%)
	AN	2.9 (5.8%)	0 (0%)
	BN	2.7 (5.5%)	0 (0%)
	D	3 (6.1%)	0 (0%)
	C	3.1 (6%)	0 (0%)
	AVG	2.9 (5.9%)	0 (0%)
MAR	W	3 (5.9%)	0 (0%)
	AN	3.6 (7%)	0 (0%)
	BN	2.8 (5.3%)	0 (0%)
	D	3.4 (6.4%)	0 (0%)
	C	3 (5.6%)	0 (0%)
	AVG	3.2 (6%)	0 (0%)
APR	W	3 (5.7%)	0 (0%)
	AN	3.2 (6.1%)	0 (0%)
	BN	3.6 (6.6%)	0 (0%)
	D	3.6 (6.7%)	0 (0%)
	C	3.6 (6.3%)	0 (0%)
	AVG	3.3 (6.2%)	0 (0%)
MAY	W	3.2 (5.8%)	0 (0%)
	AN	3.4 (6%)	0 (0%)
	BN	4.2 (7.4%)	0 (0%)
	D	3.9 (6.6%)	0 (0%)
	C	3.5 (5.7%)	0 (0%)
	AVG	3.6 (6.2%)	0 (0%)
JUN	W	2 (3.4%)	0 (0%)
	AN	4 (6.4%)	0 (0%)
	BN	3.7 (5.7%)	0 (0%)
	D	4 (6.1%)	0 (0%)
	C	3.7 (5.5%)	0 (0%)
	AVG	3.3 (5.2%)	0 (0%)
JUL	W	1.8 (2.8%)	0 (0%)
	AN	3.3 (4.8%)	0 (0%)
	BN	3.1 (4.6%)	0 (0%)
	D	3.6 (5.3%)	0 (0.1%)
	C	3.7 (5.3%)	0.1 (0.2%)
	AVG	3 (4.4%)	0 (0.1%)

Alternative 9: Stanislaus River at Riverbank			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
AUG	W	4.1 (6.4%)	0 (0%)
	AN	3.4 (5.1%)	0 (0%)
	BN	3.2 (4.8%)	0 (0%)
	D	3.3 (4.9%)	0 (0%)
	C	3.8 (5.7%)	0 (0%)
	AVG	3.6 (5.5%)	0 (0%)
SEP	W	3.9 (6.2%)	0 (0%)
	AN	3.9 (5.9%)	0 (0%)
	BN	3.7 (5.7%)	0 (0%)
	D	3.7 (5.6%)	0 (0%)
	C	3.7 (5.7%)	0 (-0.1%)
	AVG	3.8 (5.9%)	0 (0%)
OCT	W	3.1 (5.3%)	0 (0%)
	AN	2.9 (5%)	0 (0%)
	BN	2.9 (4.9%)	0 (0%)
	D	3.1 (5.2%)	0 (0%)
	C	3.3 (5.5%)	0 (0%)
	AVG	3.1 (5.2%)	0 (0%)
NOV	W	3 (5.7%)	0 (0%)
	AN	3.1 (5.9%)	0 (0%)
	BN	3.1 (5.8%)	0 (0%)
	D	3.1 (5.8%)	0 (0%)
	C	3 (5.6%)	0 (0%)
	AVG	3.1 (5.8%)	0 (0%)
DEC	W	3 (6.3%)	-0.1 (-0.1%)
	AN	2.9 (6.1%)	0 (0%)
	BN	3.3 (7%)	0 (0%)
	D	2.8 (5.9%)	0 (0%)
	C	2.9 (6.2%)	0 (0%)
	AVG	3 (6.3%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.9.21 Stanislaus River at the Confluence with the San Joaquin River

Table 1. Mean Monthly Water Temperatures (°F) for Baseline and Alternative 9 Model Scenarios in the Stanislaus River at the Confluence with the San Joaquin River, Year-Round

Alternative 9: Stanislaus River at the Confluence with the San Joaquin River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
JAN	W	46	49	49
	AN	46	49	49
	BN	46	49	49
	D	45	47	47
	C	45	48	48
	AVG	46	48	48
FEB	W	50	53	53
	AN	50	53	53
	BN	50	52	52
	D	50	53	53
	C	51	54	54
	AVG	50	53	53
MAR	W	52	55	55
	AN	53	56	56
	BN	54	57	57
	D	55	58	58
	C	55	58	58
	AVG	54	56	56
APR	W	54	57	57
	AN	55	58	58
	BN	56	60	60
	D	57	60	60
	C	59	62	62
	AVG	56	59	59
MAY	W	59	62	62
	AN	60	63	63
	BN	60	64	64
	D	61	65	65
	C	63	66	66
	AVG	60	64	64
JUN	W	62	65	65
	AN	65	69	69
	BN	66	70	70
	D	68	72	72
	C	68	71	71
	AVG	65	69	69

Alternative 9: Stanislaus River at the Confluence with the San Joaquin River				
Month	**WYT**	**EXISTING CONDITIONS**	**NAA**	**A9_LLT**
JUL	W	68	70	70
	AN	70	73	73
	BN	70	73	73
	D	70	74	74
	C	70	73	73
	AVG	69	72	72
AUG	W	67	71	71
	AN	69	72	72
	BN	68	71	71
	D	69	72	72
	C	69	72	72
	AVG	68	72	72
SEP	W	65	69	69
	AN	67	71	71
	BN	67	70	70
	D	67	70	70
	C	67	70	70
	AVG	66	70	70
OCT	W	60	63	63
	AN	60	62	62
	BN	59	62	62
	D	59	62	62
	C	61	64	64
	AVG	60	63	63
NOV	W	53	56	56
	AN	52	55	55
	BN	52	55	55
	D	52	55	55
	C	53	56	56
	AVG	52	55	55
DEC	W	47	50	50
	AN	46	49	49
	BN	45	49	49
	D	45	48	48
	C	45	48	48
	AVG	46	49	49

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at the Confluence with the San Joaquin River, Year-Round

Alternative 9: Stanislaus River at the Confluence with the San Joaquin River			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
JAN	W	2.9 (6.3%)	0 (0%)
	AN	2.9 (6.4%)	0 (0%)
	BN	2.8 (6.1%)	0 (0%)
	D	2.5 (5.7%)	0 (0%)
	C	2.8 (6.1%)	0 (0%)
	AVG	2.8 (6.2%)	0 (0%)
FEB	W	2.8 (5.7%)	0 (0%)
	AN	2.8 (5.6%)	0 (0%)
	BN	2.6 (5.2%)	0 (0%)
	D	2.8 (5.6%)	0 (0%)
	C	2.9 (5.6%)	0 (0%)
	AVG	2.8 (5.6%)	0 (0%)
MAR	W	2.8 (5.5%)	0 (0%)
	AN	3.3 (6.3%)	0 (0%)
	BN	2.6 (4.9%)	0 (0%)
	D	3.2 (5.8%)	0 (0%)
	C	2.8 (5.1%)	0 (0%)
	AVG	3 (5.5%)	0 (0%)
APR	W	2.8 (5.2%)	0 (0%)
	AN	3.1 (5.6%)	0 (0%)
	BN	3.4 (6.1%)	0 (0%)
	D	3.5 (6.1%)	0 (0%)
	C	3.2 (5.5%)	0 (0%)
	AVG	3.2 (5.6%)	0 (0%)
MAY	W	3.1 (5.3%)	0 (0%)
	AN	3.4 (5.7%)	0 (0%)
	BN	4.1 (6.8%)	0 (0%)
	D	3.7 (6%)	0 (0%)
	C	3.2 (5.1%)	0 (0%)
	AVG	3.4 (5.7%)	0 (0%)
JUN	W	2.3 (3.6%)	0 (0%)
	AN	3.7 (5.8%)	0 (0%)
	BN	3.3 (5.1%)	0 (0%)
	D	3.4 (5%)	0 (0%)
	C	3.3 (4.8%)	0 (0%)
	AVG	3.1 (4.7%)	0 (0%)
JUL	W	2.3 (3.3%)	0 (0%)
	AN	3 (4.2%)	0 (0%)
	BN	2.8 (4%)	0 (0%)
	D	3.2 (4.6%)	0 (0%)
	C	3.2 (4.6%)	0 (0.1%)
	AVG	2.8 (4.1%)	0 (0%)

Alternative 9: Stanislaus River at the Confluence with the San Joaquin River			
Month	**WYT**	**EXISTING CONDITIONS vs. A9_LLT**	**NAA vs. A9_LLT**
AUG	W	4.1 (6.1%)	0 (0%)
	AN	3.2 (4.7%)	0 (0%)
	BN	3.1 (4.5%)	0 (0%)
	D	3.1 (4.5%)	0 (0%)
	C	3.6 (5.2%)	0 (0%)
	AVG	3.5 (5.1%)	0 (0%)
SEP	W	3.9 (6%)	0 (0%)
	AN	3.7 (5.6%)	0 (0%)
	BN	3.7 (5.5%)	0 (0%)
	D	3.7 (5.5%)	0 (0%)
	C	3.7 (5.5%)	0 (0%)
	AVG	3.8 (5.7%)	0 (0%)
OCT	W	3 (5%)	0 (0%)
	AN	2.8 (4.8%)	0 (0%)
	BN	2.7 (4.5%)	0 (0%)
	D	2.9 (4.9%)	0 (0%)
	C	3.2 (5.3%)	0 (0%)
	AVG	3 (4.9%)	0 (0%)
NOV	W	3 (5.8%)	0 (0%)
	AN	3.2 (6%)	0 (0%)
	BN	3.1 (5.9%)	0 (0%)
	D	3.1 (5.9%)	0 (0%)
	C	2.9 (5.6%)	0 (0%)
	AVG	3.1 (5.8%)	0 (0%)
DEC	W	3 (6.4%)	-0.1 (-0.1%)
	AN	2.9 (6.2%)	0 (0%)
	BN	3.2 (7.1%)	0 (0%)
	D	2.8 (6.1%)	0 (0%)
	C	2.9 (6.4%)	0 (0%)
	AVG	3 (6.4%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline.

11D.10 Alternative 4A

11D.10.1 Sacramento River at Keswick

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4A_ELT Model Scenarios in the Sacramento River at Keswick, Year-Round

Alternative 4A_ELT: Sacramento River at Keswick					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
JAN	W	46	46	47	46
	AN	46	47	48	47
	BN	47	47	48	47
	D	47	47	48	48
	C	47	47	48	48
	All	46	47	48	47
FEB	W	45	46	47	46
	AN	46	46	47	46
	BN	46	46	47	46
	D	46	47	48	47
	C	46	47	48	48
	All	46	46	47	46
MAR	W	46	47	47	47
	AN	46	47	48	47
	BN	47	47	48	47
	D	47	48	49	48
	C	48	49	49	49
	All	47	47	48	47
APR	W	47	48	49	48
	AN	48	49	50	49
	BN	48	49	50	49
	D	48	49	50	49
	C	49	50	51	50
	All	48	49	50	49
MAY	W	49	49	50	49
	AN	49	50	50	50
	BN	49	50	51	50
	D	49	50	51	50
	C	51	52	53	52
	All	49	50	51	50
JUN	W	50	50	51	50
	AN	50	50	51	50
	BN	50	50	51	50
	D	50	51	52	51
	C	53	54	55	53
	All	50	51	52	51
JUL	W	51	51	52	51
	AN	51	51	52	51
	BN	51	51	52	51
	D	51	52	54	52
	C	54	57	59	56
	All	51	52	54	52
AUG	W	52	53	54	53
	AN	52	53	55	53
	BN	52	53	55	53
	D	53	54	56	54
	C	57	60	64	58
	All	53	54	56	54

Alternative 4A_ELT: Sacramento River at Keswick					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
SEP	W	53	54	55	54
	AN	54	54	56	55
	BN	54	55	57	55
	D	55	57	59	56
	C	60	64	66	61
	All	55	56	58	56
OCT	W	54	55	57	55
	AN	54	55	57	55
	BN	54	56	58	55
	D	55	57	59	56
	C	56	58	60	57
	All	54	56	58	56
NOV	W	53	54	55	54
	AN	52	53	55	53
	BN	53	54	55	54
	D	53	54	56	54
	C	54	55	56	55
	All	53	54	55	54
DEC	W	49	50	50	50
	AN	49	50	51	50
	BN	50	51	52	51
	D	50	51	52	51
	C	51	51	52	51
	All	50	50	51	51

Table2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Keswick, Year-Round

Alternative 4A_ELT: Sacramento River at Keswick					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
JAN	W	1.3 (2.8%)	0.8 (1.7%)	0.6 (1.3%)	0.1 (0.2%)
	AN	1.5 (3.2%)	0.8 (1.7%)	0.8 (1.7%)	0.1 (0.3%)
	BN	1.6 (3.4%)	0.9 (1.8%)	0.8 (1.7%)	0.1 (0.1%)
	D	1.5 (3.3%)	0.8 (1.7%)	0.9 (2%)	0.2 (0.4%)
	C	1.7 (3.6%)	0.9 (2%)	1.2 (2.5%)	0.4 (0.9%)
	All	1.5 (3.2%)	0.8 (1.8%)	0.8 (1.8%)	0.2 (0.3%)
FEB	W	1.5 (3.4%)	0.8 (1.7%)	0.8 (1.7%)	0 (0.1%)
	AN	1.6 (3.6%)	0.9 (2%)	0.8 (1.8%)	0.1 (0.2%)
	BN	1.5 (3.3%)	0.7 (1.6%)	0.8 (1.8%)	0 (0.1%)
	D	1.6 (3.5%)	0.8 (1.7%)	1 (2.1%)	0.1 (0.2%)
	C	1.7 (3.7%)	0.8 (1.8%)	1.1 (2.4%)	0.3 (0.5%)
	All	1.6 (3.5%)	0.8 (1.7%)	0.9 (1.9%)	0.1 (0.2%)
MAR	W	1.5 (3.2%)	0.8 (1.7%)	0.7 (1.5%)	0 (0%)
	AN	1.7 (3.6%)	0.9 (1.9%)	0.8 (1.8%)	0 (0.1%)
	BN	1.6 (3.4%)	0.9 (1.8%)	0.8 (1.7%)	0.1 (0.2%)
	D	1.6 (3.4%)	0.8 (1.7%)	0.8 (1.8%)	0.1 (0.1%)
	C	1.7 (3.5%)	0.8 (1.7%)	1 (2.1%)	0.2 (0.3%)
	All	1.6 (3.4%)	0.8 (1.8%)	0.8 (1.7%)	0.1 (0.1%)
APR	W	1.6 (3.4%)	0.9 (1.8%)	0.7 (1.6%)	0 (0%)
	AN	1.7 (3.6%)	1 (2%)	0.7 (1.5%)	0 (0%)
	BN	1.5 (3.1%)	0.8 (1.7%)	0.8 (1.6%)	0.1 (0.2%)
	D	1.5 (3%)	0.7 (1.5%)	0.8 (1.6%)	0.1 (0.2%)
	C	2 (4.1%)	1.1 (2.2%)	1.1 (2.2%)	0.2 (0.3%)
	All	1.6 (3.4%)	0.9 (1.8%)	0.8 (1.7%)	0.1 (0.1%)
MAY	W	1.6 (3.3%)	0.8 (1.5%)	0.9 (1.8%)	0 (0%)
	AN	1.2 (2.5%)	0.5 (1%)	0.6 (1.3%)	-0.1 (-0.2%)
	BN	1.4 (2.8%)	0.5 (1.1%)	0.9 (1.9%)	0.1 (0.1%)
	D	1.4 (2.9%)	0.6 (1.1%)	0.9 (1.8%)	0 (0%)
	C	2.3 (4.4%)	1.3 (2.6%)	0.8 (1.6%)	-0.1 (-0.2%)
	All	1.6 (3.2%)	0.7 (1.4%)	0.8 (1.7%)	0 (0%)
JUN	W	0.8 (1.7%)	0.4 (0.8%)	0.4 (0.9%)	0 (0%)
	AN	1 (2.1%)	0.4 (0.9%)	0.7 (1.4%)	0.1 (0.2%)
	BN	1.1 (2.2%)	0.6 (1.2%)	0.5 (1.1%)	0.1 (0.1%)
	D	2 (4%)	1.1 (2.1%)	0.9 (1.7%)	-0.1 (-0.2%)
	C	2.4 (4.5%)	1.3 (2.5%)	0.6 (1.2%)	-0.4 (-0.8%)
	All	1.4 (2.8%)	0.7 (1.4%)	0.6 (1.2%)	-0.1 (-0.1%)
JUL	W	1.1 (2.2%)	0.7 (1.4%)	0.3 (0.6%)	-0.1 (-0.1%)
	AN	1.7 (3.4%)	1.1 (2.1%)	0.5 (1%)	-0.1 (-0.2%)
	BN	1.7 (3.3%)	1 (2%)	0.6 (1.1%)	-0.1 (-0.1%)
	D	2.9 (5.7%)	1.9 (3.7%)	1.1 (2.1%)	0.1 (0.2%)
	C	5.1 (9.4%)	2.7 (4.8%)	1.4 (2.6%)	-1 (-1.7%)
	All	2.3 (4.4%)	1.4 (2.7%)	0.7 (1.4%)	-0.2 (-0.3%)
AUG	W	2.2 (4.1%)	1.3 (2.4%)	0.8 (1.6%)	0 (-0.1%)
	AN	2.3 (4.4%)	1.5 (2.9%)	0.6 (1.2%)	-0.1 (-0.2%)
	BN	2.9 (5.6%)	1.8 (3.4%)	1 (2%)	0 (-0.1%)
	D	3.3 (6.3%)	1.9 (3.4%)	1.2 (2.3%)	-0.2 (-0.4%)
	C	7.7 (13.7%)	4 (6.6%)	1.6 (2.8%)	-2.2 (-3.7%)
	All	3.4 (6.4%)	1.9 (3.5%)	1 (2%)	-0.4 (-0.8%)

Alternative 4A_ELT: Sacramento River at Keswick					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
SEP	W	1.9 (3.6%)	1.4 (2.6%)	0.6 (1.1%)	0.1 (0.2%)
	AN	2.7 (5%)	2.1 (3.9%)	0.9 (1.7%)	0.4 (0.7%)
	BN	3.6 (6.7%)	2.6 (4.7%)	1.6 (3%)	0.6 (1.1%)
	D	4.3 (7.8%)	2.3 (4.1%)	1.5 (2.7%)	-0.5 (-0.8%)
	C	6.2 (10.3%)	2.9 (4.5%)	0.9 (1.5%)	-2.4 (-3.8%)
	All	3.5 (6.3%)	2.1 (3.8%)	1.1 (1.9%)	-0.3 (-0.5%)
OCT	W	3.3 (6.2%)	1.9 (3.5%)	1.4 (2.6%)	0 (0%)
	AN	3 (5.6%)	1.7 (3%)	1.3 (2.5%)	0 (0%)
	BN	3.3 (6%)	2 (3.6%)	1.1 (2.1%)	-0.2 (-0.3%)
	D	3.9 (7.1%)	2.2 (4%)	1.5 (2.7%)	-0.2 (-0.4%)
	C	3.7 (6.6%)	1.9 (3.3%)	0.5 (0.9%)	-1.3 (-2.2%)
	All	3.5 (6.3%)	2 (3.5%)	1.2 (2.3%)	-0.2 (-0.4%)
NOV	W	2.3 (4.4%)	1.2 (2.3%)	1 (1.9%)	-0.1 (-0.1%)
	AN	2.3 (4.4%)	1.3 (2.4%)	1 (1.9%)	-0.1 (-0.1%)
	BN	2.4 (4.6%)	1.4 (2.6%)	0.8 (1.5%)	-0.2 (-0.4%)
	D	2.4 (4.6%)	0.8 (1.7%)	0.6 (1.3%)	0.1 (0.2%)
	C	2.3 (4.3%)	0.8 (1.7%)	0.8 (1.7%)	0.1 (0.3%)
	All	2.4 (4.5%)	0.9 (1.8%)	0.8 (1.7%)	0.1 (0.1%)
DEC	W	1.2 (2.5%)	0.8 (1.7%)	0.9 (2%)	0.2 (0.4%)
	AN	1.7 (3.5%)	0.9 (2%)	1.2 (2.5%)	0.4 (0.9%)
	BN	1.9 (3.8%)	0.8 (1.8%)	0.8 (1.8%)	0.2 (0.3%)
	D	1.8 (3.6%)	0.8 (1.7%)	0.8 (1.7%)	0 (0.1%)
	C	1.8 (3.6%)	0.9 (2%)	0.8 (1.8%)	0.1 (0.2%)
	All	1.6 (3.3%)	0.7 (1.6%)	0.8 (1.8%)	0 (0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.10.2 Sacramento River at Jelly's Ferry

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4A_ELT Model Scenarios in the Sacramento River at Jelly's Ferry, Year-Round

Alternative 4A_ELT: Sacramento River at Jelly's Ferry					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
JAN	W	45	46	46	46
	AN	45	46	46	46
	BN	45	46	46	46
	D	45	46	46	46
	C	45	46	46	46
	All	45	46	46	46
FEB	W	46	47	47	47
	AN	46	47	47	47
	BN	46	47	47	47
	D	46	47	47	47
	C	47	48	48	48
	All	46	47	47	47
MAR	W	48	49	49	49
	AN	49	50	50	50
	BN	49	50	50	50
	D	50	51	51	51
	C	50	51	51	51
	All	49	50	50	50
APR	W	51	52	52	52
	AN	53	54	54	53
	BN	53	54	54	54
	D	52	53	53	53
	C	52	53	53	53
	All	52	53	53	53
MAY	W	54	56	56	56
	AN	55	56	56	56
	BN	54	56	56	56
	D	54	55	55	55
	C	55	56	56	56
	All	54	56	56	56
JUN	W	55	56	56	56
	AN	55	55	55	55
	BN	54	55	55	55
	D	54	55	55	55
	C	56	57	57	57
	All	55	56	56	56
JUL	W	56	56	56	56
	AN	55	55	55	55
	BN	55	55	55	55
	D	55	56	56	56
	C	57	60	60	59
	All	55	56	56	56
AUG	W	56	57	57	57
	AN	56	57	57	57
	BN	56	57	57	57
	D	56	58	58	58
	C	59	63	63	61
	All	57	58	58	58

Alternative 4A_ELT: Sacramento River at Jelly's Ferry					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
SEP	W	56	56	56	56
	AN	57	57	58	57
	BN	57	58	59	59
	D	58	60	60	60
	C	61	64	64	63
	All	58	59	59	59
OCT	W	54	56	56	56
	AN	54	56	56	56
	BN	55	56	56	56
	D	55	57	57	56
	C	56	58	58	57
	All	55	56	56	56
NOV	W	51	52	52	52
	AN	51	52	52	52
	BN	51	52	52	52
	D	51	52	52	52
	C	52	53	53	53
	All	51	52	52	52
DEC	W	47	47	47	47
	AN	47	47	47	47
	BN	47	48	48	48
	D	47	48	47	47
	C	47	48	48	48
	All	47	48	47	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Jelly's Ferry, Year-Round

Alternative 4A_ELT: Sacramento River at Jelly's Ferry					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
JAN	W	0.6 (1.4%)	0 (0.1%)	0.7 (1.4%)	0.1 (0.1%)
	AN	0.7 (1.5%)	0 (0%)	0.7 (1.6%)	0.1 (0.1%)
	BN	0.8 (1.8%)	0 (0.1%)	0.8 (1.8%)	0 (0.1%)
	D	0.8 (1.8%)	0 (0%)	0.9 (2%)	0.1 (0.2%)
	C	0.9 (2.1%)	-0.1 (-0.1%)	1.1 (2.5%)	0.1 (0.3%)
	All	0.8 (1.7%)	0 (0%)	0.8 (1.8%)	0.1 (0.2%)
FEB	W	0.8 (1.8%)	0 (0%)	0.8 (1.8%)	0 (0%)
	AN	0.8 (1.7%)	0 (0.1%)	0.8 (1.7%)	0 (0.1%)
	BN	0.9 (1.9%)	0 (0%)	0.9 (1.9%)	0 (0%)
	D	1 (2.1%)	0 (0%)	1 (2.2%)	0.1 (0.1%)
	C	1 (2.2%)	0 (0%)	1.1 (2.4%)	0.1 (0.3%)
	All	0.9 (1.9%)	0 (0%)	0.9 (2%)	0 (0.1%)
MAR	W	0.7 (1.4%)	0 (0%)	0.6 (1.4%)	0 (0%)
	AN	0.7 (1.4%)	0 (0%)	0.7 (1.4%)	0 (0%)
	BN	0.8 (1.6%)	0 (0%)	0.8 (1.6%)	0 (0%)
	D	0.8 (1.5%)	0 (0%)	0.8 (1.5%)	0 (0.1%)
	C	0.7 (1.4%)	0 (-0.1%)	0.8 (1.6%)	0 (0.1%)
	All	0.7 (1.5%)	0 (0%)	0.7 (1.5%)	0 (0%)
APR	W	0.8 (1.6%)	0 (0%)	0.8 (1.6%)	0 (0%)
	AN	0.8 (1.5%)	0 (0%)	0.8 (1.4%)	0 (-0.1%)
	BN	0.9 (1.8%)	0 (0%)	0.9 (1.7%)	0 (0%)
	D	0.8 (1.5%)	0 (-0.1%)	0.9 (1.7%)	0 (0.1%)
	C	0.9 (1.8%)	0 (0%)	1.1 (2%)	0.1 (0.3%)
	All	0.9 (1.7%)	0 (0%)	0.9 (1.7%)	0 (0%)
MAY	W	1.6 (3%)	0 (0%)	1.6 (3%)	0 (0%)
	AN	0.7 (1.4%)	-0.5 (-0.8%)	0.9 (1.6%)	-0.4 (-0.6%)
	BN	1.3 (2.4%)	-0.2 (-0.3%)	1.5 (2.7%)	0 (0%)
	D	1 (1.9%)	-0.3 (-0.5%)	1.2 (2.2%)	-0.1 (-0.2%)
	C	1.1 (1.9%)	0 (0%)	1 (1.8%)	-0.1 (-0.2%)
	All	1.2 (2.3%)	-0.2 (-0.3%)	1.3 (2.4%)	-0.1 (-0.2%)
JUN	W	0.8 (1.4%)	-0.1 (-0.2%)	0.8 (1.5%)	0 (0%)
	AN	0.6 (1.1%)	-0.2 (-0.3%)	0.9 (1.7%)	0.2 (0.3%)
	BN	0.6 (1.2%)	-0.2 (-0.3%)	0.8 (1.5%)	0 (0%)
	D	0.8 (1.5%)	-0.2 (-0.4%)	0.9 (1.7%)	-0.1 (-0.2%)
	C	0.8 (1.4%)	-0.2 (-0.4%)	0.7 (1.2%)	-0.3 (-0.6%)
	All	0.7 (1.3%)	-0.2 (-0.3%)	0.9 (1.6%)	0 (-0.1%)
JUL	W	0.3 (0.6%)	-0.1 (-0.1%)	0.3 (0.6%)	-0.1 (-0.2%)
	AN	0.7 (1.3%)	0.1 (0.2%)	0.5 (0.9%)	-0.1 (-0.2%)
	BN	0.6 (1.2%)	-0.1 (-0.2%)	0.7 (1.3%)	-0.1 (-0.1%)
	D	1.2 (2.1%)	0.1 (0.3%)	1.2 (2.1%)	0.2 (0.3%)
	C	2.2 (3.8%)	-0.1 (-0.2%)	1.7 (2.9%)	-0.6 (-1%)
	All	0.9 (1.6%)	0 (0%)	0.8 (1.4%)	-0.1 (-0.2%)
AUG	W	1.3 (2.3%)	0 (0%)	1.2 (2.1%)	-0.1 (-0.2%)
	AN	0.9 (1.5%)	0 (0%)	0.6 (1.1%)	-0.2 (-0.4%)
	BN	1.3 (2.3%)	-0.1 (-0.2%)	1.1 (2%)	-0.3 (-0.4%)
	D	2.1 (3.8%)	0.5 (0.9%)	1.3 (2.4%)	-0.3 (-0.4%)
	C	3.3 (5.6%)	-0.2 (-0.3%)	1.9 (3.2%)	-1.6 (-2.6%)
	All	1.7 (3%)	0.1 (0.1%)	1.2 (2.2%)	-0.4 (-0.7%)

Alternative 4A_ELT: Sacramento River at Jelly's Ferry					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
SEP	W	0.3 (0.6%)	0.1 (0.3%)	0.2 (0.4%)	0.1 (0.1%)
	AN	0.5 (0.9%)	0.8 (1.4%)	0.2 (0.3%)	0.4 (0.7%)
	BN	1.9 (3.4%)	0.7 (1.2%)	1.9 (3.3%)	0.7 (1.2%)
	D	2.6 (4.5%)	0.2 (0.3%)	2.1 (3.7%)	-0.2 (-0.4%)
	C	2.8 (4.5%)	-0.2 (-0.3%)	1.4 (2.2%)	-1.6 (-2.4%)
	All	1.5 (2.6%)	0.3 (0.5%)	1.1 (1.9%)	-0.1 (-0.1%)
OCT	W	1.4 (2.6%)	0.1 (0.1%)	1.3 (2.5%)	0 (0%)
	AN	1.3 (2.5%)	0.1 (0.1%)	1.3 (2.4%)	0 (0.1%)
	BN	1.3 (2.4%)	0 (0%)	1.2 (2.2%)	-0.1 (-0.2%)
	D	1.5 (2.8%)	0.1 (0.1%)	1.3 (2.3%)	-0.2 (-0.3%)
	C	1.4 (2.4%)	-0.3 (-0.5%)	0.8 (1.3%)	-0.9 (-1.6%)
	All	1.4 (2.6%)	0 (0%)	1.2 (2.2%)	-0.2 (-0.3%)
NOV	W	0.9 (1.8%)	-0.2 (-0.4%)	0.9 (1.8%)	-0.2 (-0.4%)
	AN	0.8 (1.6%)	-0.3 (-0.5%)	1 (1.9%)	-0.1 (-0.3%)
	BN	0.8 (1.5%)	-0.4 (-0.7%)	0.8 (1.6%)	-0.3 (-0.6%)
	D	0.9 (1.7%)	-0.1 (-0.3%)	0.8 (1.6%)	-0.2 (-0.3%)
	C	0.9 (1.8%)	-0.2 (-0.3%)	0.7 (1.4%)	-0.3 (-0.6%)
	All	0.9 (1.7%)	-0.2 (-0.4%)	0.9 (1.7%)	-0.2 (-0.4%)
DEC	W	0.5 (1.1%)	0 (0%)	0.6 (1.3%)	0.1 (0.2%)
	AN	0.7 (1.5%)	-0.2 (-0.4%)	0.8 (1.8%)	-0.1 (-0.1%)
	BN	0.7 (1.5%)	-0.1 (-0.2%)	0.8 (1.6%)	-0.1 (-0.1%)
	D	0.7 (1.5%)	-0.1 (-0.1%)	0.7 (1.5%)	-0.1 (-0.1%)
	C	0.9 (1.8%)	0 (0.1%)	0.9 (1.8%)	0 (0%)
	All	0.7 (1.5%)	-0.1 (-0.1%)	0.7 (1.5%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.10.3 Sacramento River at Bend Bridge

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4A_ELT Model Scenarios in the Sacramento River at Bend Bridge, Year-Round

Alternative 4A_ELT: Sacramento River at Bend Bridge					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
JAN	W	45	46	46	46
	AN	45	46	46	46
	BN	45	45	45	45
	D	45	46	46	46
	C	45	46	46	46
	All	45	46	46	46
FEB	W	46	47	47	47
	AN	46	47	47	47
	BN	46	47	47	47
	D	46	47	47	47
	C	47	48	48	48
	All	46	47	47	47
MAR	W	48	49	49	49
	AN	49	50	50	50
	BN	49	50	50	50
	D	50	51	51	51
	C	50	51	51	51
	All	49	50	50	50
APR	W	51	52	52	52
	AN	53	54	54	54
	BN	53	54	54	54
	D	53	54	54	54
	C	52	53	53	54
	All	52	53	53	53
MAY	W	54	56	56	56
	AN	55	57	56	56
	BN	55	56	56	57
	D	55	56	56	56
	C	55	57	57	56
	All	55	56	56	56
JUN	W	56	57	56	57
	AN	55	56	56	56
	BN	55	56	56	56
	D	55	56	56	56
	C	57	58	57	57
	All	55	56	56	56
JUL	W	56	57	57	57
	AN	55	56	56	56
	BN	55	56	56	56
	D	56	57	57	57
	C	58	60	60	60
	All	56	57	57	57
AUG	W	57	58	58	58
	AN	57	58	58	58
	BN	56	58	58	57
	D	57	59	59	58
	C	60	63	63	62
	All	57	59	59	58

Alternative 4A_ELT: Sacramento River at Bend Bridge					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
SEP	W	57	57	57	57
	AN	58	58	58	58
	BN	58	59	60	60
	D	58	61	61	60
	C	62	65	64	63
	All	58	59	60	59
OCT	W	54	56	56	56
	AN	55	56	56	56
	BN	55	56	56	56
	D	55	57	57	57
	C	56	58	58	57
	All	55	56	56	56
NOV	W	51	52	51	51
	AN	51	52	51	52
	BN	51	52	52	52
	D	51	52	52	52
	C	52	53	53	53
	All	51	52	52	52
DEC	W	47	47	47	47
	AN	46	47	47	47
	BN	47	47	47	47
	D	46	47	47	47
	C	47	48	48	48
	All	47	47	47	47

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Bend Bridge, Year-Round

Alternative 4A_ELT: Sacramento River at Bend Bridge					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
JAN	W	0.6 (1.4%)	0 (0.1%)	0.7 (1.5%)	0.1 (0.1%)
	AN	0.7 (1.5%)	0 (0%)	0.7 (1.7%)	0.1 (0.1%)
	BN	0.8 (1.9%)	0 (0.1%)	0.8 (1.9%)	0 (0.1%)
	D	0.8 (1.9%)	0 (0%)	0.9 (2%)	0.1 (0.2%)
	C	1 (2.1%)	-0.1 (-0.2%)	1.1 (2.5%)	0.1 (0.2%)
	All	0.8 (1.7%)	0 (0%)	0.8 (1.8%)	0.1 (0.1%)
FEB	W	0.8 (1.8%)	0 (0%)	0.8 (1.8%)	0 (0%)
	AN	0.8 (1.8%)	0 (0.1%)	0.8 (1.8%)	0 (0.1%)
	BN	0.9 (1.9%)	0 (0%)	0.9 (1.9%)	0 (0%)
	D	1 (2.2%)	0 (0%)	1.1 (2.3%)	0.1 (0.1%)
	C	1.1 (2.2%)	0 (0%)	1.2 (2.5%)	0.1 (0.2%)
	All	0.9 (2%)	0 (0%)	0.9 (2%)	0 (0.1%)
MAR	W	0.7 (1.4%)	0 (0%)	0.7 (1.4%)	0 (0%)
	AN	0.7 (1.5%)	0 (0%)	0.7 (1.4%)	0 (0%)
	BN	0.8 (1.6%)	0 (0%)	0.8 (1.6%)	0 (0%)
	D	0.8 (1.5%)	0 (0%)	0.8 (1.6%)	0 (0.1%)
	C	0.7 (1.4%)	0 (-0.1%)	0.8 (1.6%)	0 (0.1%)
	All	0.7 (1.5%)	0 (0%)	0.7 (1.5%)	0 (0%)
APR	W	0.8 (1.6%)	0 (0%)	0.8 (1.6%)	0 (0%)
	AN	0.8 (1.5%)	0 (0%)	0.8 (1.5%)	0 (-0.1%)
	BN	0.9 (1.8%)	0 (0%)	0.9 (1.7%)	0 (0%)
	D	0.8 (1.5%)	-0.1 (-0.1%)	0.9 (1.7%)	0 (0.1%)
	C	0.9 (1.8%)	0 (0%)	1.1 (2%)	0.1 (0.2%)
	All	0.9 (1.7%)	0 (0%)	0.9 (1.7%)	0 (0%)
MAY	W	1.7 (3%)	0 (0%)	1.7 (3%)	0 (0%)
	AN	0.8 (1.4%)	-0.5 (-0.8%)	0.9 (1.6%)	-0.4 (-0.6%)
	BN	1.3 (2.4%)	-0.2 (-0.3%)	1.5 (2.8%)	0 (0%)
	D	1.1 (2%)	-0.3 (-0.5%)	1.2 (2.2%)	-0.1 (-0.2%)
	C	1.1 (2%)	0 (0%)	1 (1.8%)	-0.1 (-0.2%)
	All	1.3 (2.3%)	-0.2 (-0.3%)	1.3 (2.4%)	-0.1 (-0.2%)
JUN	W	0.8 (1.4%)	-0.1 (-0.2%)	0.9 (1.6%)	0 (0%)
	AN	0.6 (1.1%)	-0.2 (-0.3%)	1 (1.8%)	0.2 (0.3%)
	BN	0.7 (1.2%)	-0.2 (-0.4%)	0.9 (1.6%)	0 (0%)
	D	0.8 (1.5%)	-0.2 (-0.4%)	1 (1.8%)	-0.1 (-0.2%)
	C	0.8 (1.4%)	-0.2 (-0.3%)	0.7 (1.3%)	-0.3 (-0.5%)
	All	0.8 (1.4%)	-0.2 (-0.3%)	0.9 (1.6%)	0 (-0.1%)
JUL	W	0.3 (0.6%)	-0.1 (-0.2%)	0.3 (0.6%)	-0.1 (-0.1%)
	AN	0.7 (1.3%)	0.1 (0.2%)	0.5 (0.9%)	-0.1 (-0.2%)
	BN	0.6 (1.2%)	-0.1 (-0.3%)	0.7 (1.3%)	-0.1 (-0.1%)
	D	1.2 (2.1%)	0.1 (0.3%)	1.2 (2.1%)	0.2 (0.3%)
	C	2.2 (3.7%)	-0.1 (-0.2%)	1.7 (3%)	-0.6 (-1%)
	All	0.9 (1.6%)	0 (0%)	0.8 (1.5%)	-0.1 (-0.2%)
AUG	W	1.4 (2.4%)	0 (0%)	1.2 (2.2%)	-0.1 (-0.2%)
	AN	0.9 (1.5%)	0 (0%)	0.6 (1.1%)	-0.3 (-0.5%)
	BN	1.3 (2.2%)	-0.1 (-0.2%)	1.1 (2%)	-0.3 (-0.5%)
	D	2.2 (3.8%)	0.6 (1%)	1.4 (2.4%)	-0.3 (-0.4%)
	C	3.3 (5.5%)	-0.2 (-0.3%)	1.9 (3.2%)	-1.5 (-2.4%)
	All	1.7 (3%)	0.1 (0.1%)	1.3 (2.2%)	-0.4 (-0.7%)

Alternative 4A_ELT: Sacramento River at Bend Bridge					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
SEP	W	0.3 (0.5%)	0.1 (0.2%)	0.2 (0.4%)	0 (0.1%)
	AN	0.5 (0.9%)	0.8 (1.4%)	0.1 (0.2%)	0.4 (0.7%)
	BN	1.9 (3.4%)	0.7 (1.2%)	1.9 (3.4%)	0.7 (1.2%)
	D	2.6 (4.5%)	0.2 (0.4%)	2.2 (3.8%)	-0.2 (-0.4%)
	C	2.7 (4.4%)	-0.1 (-0.2%)	1.4 (2.3%)	-1.4 (-2.2%)
	All	1.5 (2.5%)	0.3 (0.5%)	1.1 (1.9%)	-0.1 (-0.1%)
OCT	W	1.4 (2.5%)	0.1 (0.1%)	1.3 (2.5%)	0 (0%)
	AN	1.3 (2.5%)	0.1 (0.1%)	1.3 (2.4%)	0 (0.1%)
	BN	1.4 (2.5%)	0 (0%)	1.2 (2.3%)	-0.1 (-0.2%)
	D	1.5 (2.7%)	0.1 (0.1%)	1.3 (2.3%)	-0.2 (-0.3%)
	C	1.4 (2.4%)	-0.3 (-0.5%)	0.8 (1.4%)	-0.9 (-1.5%)
	All	1.4 (2.6%)	0 (0%)	1.2 (2.2%)	-0.2 (-0.3%)
NOV	W	0.9 (1.8%)	-0.2 (-0.4%)	0.9 (1.8%)	-0.2 (-0.5%)
	AN	0.8 (1.6%)	-0.3 (-0.6%)	1 (1.9%)	-0.1 (-0.3%)
	BN	0.8 (1.6%)	-0.4 (-0.7%)	0.8 (1.6%)	-0.3 (-0.6%)
	D	0.9 (1.7%)	-0.2 (-0.3%)	0.8 (1.6%)	-0.2 (-0.4%)
	C	0.9 (1.8%)	-0.1 (-0.3%)	0.8 (1.5%)	-0.3 (-0.6%)
	All	0.9 (1.7%)	-0.2 (-0.4%)	0.9 (1.7%)	-0.2 (-0.5%)
DEC	W	0.5 (1.2%)	0 (0%)	0.6 (1.3%)	0.1 (0.2%)
	AN	0.7 (1.6%)	-0.2 (-0.4%)	0.8 (1.8%)	-0.1 (-0.1%)
	BN	0.7 (1.6%)	-0.1 (-0.2%)	0.8 (1.7%)	-0.1 (-0.1%)
	D	0.7 (1.6%)	-0.1 (-0.1%)	0.7 (1.6%)	-0.1 (-0.1%)
	C	0.9 (1.9%)	0 (0.1%)	0.9 (1.9%)	0 (0%)
	All	0.7 (1.5%)	-0.1 (-0.1%)	0.7 (1.6%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.10.4 Sacramento River at Red Bluff Diversion Dam

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4A_ELT Model Scenarios in the Sacramento River at Red Bluff Diversion Dam, Year-Round

Alternative 4A_ELT: Sacramento River at Red Bluff Diversion Dam					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
JAN	W	45	46	46	46
	AN	45	46	46	46
	BN	44	45	45	45
	D	44	45	46	46
	C	44	45	46	46
	All	45	45	46	46
FEB	W	46	47	47	47
	AN	46	47	47	47
	BN	46	47	47	47
	D	46	47	47	47
	C	47	48	48	48
	All	46	47	47	47
MAR	W	48	49	49	49
	AN	49	50	50	50
	BN	49	50	50	50
	D	50	51	51	51
	C	51	51	51	51
	All	49	50	50	50
APR	W	52	53	52	52
	AN	53	54	54	54
	BN	54	54	54	54
	D	54	54	54	54
	C	53	54	53	54
	All	53	54	53	53
MAY	W	55	57	56	56
	AN	56	58	56	56
	BN	56	58	56	57
	D	56	57	56	56
	C	57	58	57	56
	All	56	57	56	56
JUN	W	57	58	56	57
	AN	57	58	56	56
	BN	57	58	56	56
	D	57	58	56	56
	C	58	59	57	57
	All	57	58	56	56
JUL	W	58	58	57	57
	AN	57	58	56	56
	BN	57	58	56	56
	D	57	58	57	57
	C	60	62	60	60
	All	58	59	57	57
AUG	W	58	60	58	58
	AN	59	60	58	58
	BN	58	59	58	57
	D	59	60	59	58
	C	61	65	63	62
	All	59	61	59	58

Alternative 4A_ELT: Sacramento River at Red Bluff Diversion Dam					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
SEP	W	58	58	57	57
	AN	59	59	58	58
	BN	59	60	60	60
	D	59	62	61	60
	C	63	65	64	63
	All	59	60	60	59
OCT	W	55	56	56	56
	AN	55	56	56	56
	BN	55	56	56	56
	D	55	57	57	57
	C	56	58	58	57
	All	55	57	56	56
NOV	W	50	52	51	51
	AN	50	52	51	52
	BN	51	52	52	52
	D	51	52	52	52
	C	52	53	53	53
	All	51	52	52	52
DEC	W	46	47	47	47
	AN	46	47	47	47
	BN	46	47	47	47
	D	46	47	47	47
	C	46	47	48	48
	All	46	47	47	47

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Red Bluff Diversion Dam, Year-Round

Alternative 4A_ELT: Sacramento River at Red Bluff Diversion Dam					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
JAN	W	0.7 (1.6%)	0.1 (0.2%)	0.7 (1.6%)	0.1 (0.2%)
	AN	0.8 (1.8%)	0.1 (0.3%)	0.9 (1.9%)	0.2 (0.4%)
	BN	1 (2.3%)	0.2 (0.5%)	1 (2.3%)	0.2 (0.5%)
	D	1.1 (2.5%)	0.2 (0.5%)	1.2 (2.6%)	0.3 (0.6%)
	C	1.2 (2.7%)	0.1 (0.3%)	1.4 (3.1%)	0.3 (0.7%)
	All	0.9 (2.1%)	0.1 (0.3%)	1 (2.2%)	0.2 (0.4%)
FEB	W	0.7 (1.6%)	-0.1 (-0.2%)	0.7 (1.6%)	-0.1 (-0.2%)
	AN	0.8 (1.6%)	0 (-0.1%)	0.8 (1.6%)	-0.1 (-0.1%)
	BN	0.9 (1.9%)	0 (-0.1%)	0.9 (1.9%)	0 (-0.1%)
	D	1 (2.1%)	-0.1 (-0.2%)	1 (2.2%)	0 (-0.1%)
	C	0.9 (2%)	-0.1 (-0.3%)	1.1 (2.2%)	0 (-0.1%)
	All	0.8 (1.8%)	-0.1 (-0.2%)	0.9 (1.9%)	-0.1 (-0.1%)
MAR	W	0.4 (0.9%)	-0.2 (-0.5%)	0.4 (0.8%)	-0.3 (-0.5%)
	AN	0.5 (0.9%)	-0.3 (-0.5%)	0.5 (0.9%)	-0.3 (-0.5%)
	BN	0.5 (1%)	-0.3 (-0.6%)	0.5 (1%)	-0.3 (-0.6%)
	D	0.4 (0.9%)	-0.3 (-0.7%)	0.4 (0.9%)	-0.3 (-0.7%)
	C	0.3 (0.5%)	-0.5 (-0.9%)	0.3 (0.7%)	-0.4 (-0.8%)
	All	0.4 (0.9%)	-0.3 (-0.6%)	0.4 (0.9%)	-0.3 (-0.6%)
APR	W	0.4 (0.8%)	-0.4 (-0.8%)	0.4 (0.8%)	-0.4 (-0.8%)
	AN	0.3 (0.6%)	-0.5 (-1%)	0.3 (0.5%)	-0.6 (-1%)
	BN	0.3 (0.6%)	-0.7 (-1.2%)	0.3 (0.5%)	-0.7 (-1.2%)
	D	0.1 (0.1%)	-0.8 (-1.5%)	0.2 (0.3%)	-0.7 (-1.3%)
	C	0.2 (0.4%)	-0.7 (-1.3%)	0.3 (0.6%)	-0.6 (-1.1%)
	All	0.3 (0.5%)	-0.6 (-1.1%)	0.3 (0.5%)	-0.6 (-1.1%)
MAY	W	0.8 (1.4%)	-0.9 (-1.7%)	0.8 (1.4%)	-0.9 (-1.7%)
	AN	-0.3 (-0.4%)	-1.6 (-2.7%)	-0.1 (-0.2%)	-1.5 (-2.5%)
	BN	0.3 (0.5%)	-1.3 (-2.3%)	0.5 (0.8%)	-1.1 (-1.9%)
	D	0 (-0.1%)	-1.4 (-2.5%)	0.1 (0.2%)	-1.3 (-2.3%)
	C	0 (0.1%)	-1.1 (-1.9%)	0 (-0.1%)	-1.2 (-2.1%)
	All	0.3 (0.5%)	-1.2 (-2.1%)	0.3 (0.6%)	-1.2 (-2%)
JUN	W	-0.7 (-1.2%)	-1.7 (-2.9%)	-0.6 (-1.1%)	-1.6 (-2.8%)
	AN	-1 (-1.8%)	-1.9 (-3.3%)	-0.7 (-1.2%)	-1.6 (-2.7%)
	BN	-1 (-1.7%)	-1.9 (-3.3%)	-0.7 (-1.3%)	-1.7 (-3%)
	D	-0.8 (-1.5%)	-1.9 (-3.4%)	-0.7 (-1.2%)	-1.8 (-3.1%)
	C	-0.7 (-1.2%)	-1.7 (-2.9%)	-0.8 (-1.3%)	-1.8 (-3%)
	All	-0.8 (-1.4%)	-1.8 (-3.1%)	-0.7 (-1.2%)	-1.7 (-2.9%)
JUL	W	-1.4 (-2.4%)	-1.9 (-3.2%)	-1.4 (-2.4%)	-1.9 (-3.2%)
	AN	-1 (-1.8%)	-1.7 (-2.9%)	-1.2 (-2.1%)	-1.9 (-3.2%)
	BN	-1.1 (-2%)	-2 (-3.4%)	-1.1 (-1.9%)	-1.9 (-3.3%)
	D	-0.6 (-1%)	-1.6 (-2.7%)	-0.5 (-1%)	-1.6 (-2.7%)
	C	0.6 (1%)	-1.6 (-2.6%)	0.2 (0.3%)	-2.1 (-3.4%)
	All	-0.8 (-1.4%)	-1.8 (-3%)	-0.9 (-1.6%)	-1.8 (-3.1%)
AUG	W	-0.3 (-0.5%)	-1.7 (-2.9%)	-0.4 (-0.7%)	-1.9 (-3.1%)
	AN	-0.8 (-1.3%)	-1.7 (-2.9%)	-1 (-1.7%)	-2 (-3.3%)
	BN	-0.4 (-0.7%)	-1.9 (-3.2%)	-0.6 (-1%)	-2 (-3.4%)
	D	0.6 (1%)	-1 (-1.7%)	-0.2 (-0.4%)	-1.9 (-3.1%)
	C	1.9 (3%)	-1.5 (-2.3%)	0.5 (0.8%)	-2.8 (-4.4%)
	All	0.1 (0.2%)	-1.6 (-2.6%)	-0.3 (-0.6%)	-2 (-3.4%)

Alternative 4A_ELT: Sacramento River at Red Bluff Diversion Dam					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
SEP	W	-0.9 (-1.5%)	-1 (-1.7%)	-0.9 (-1.6%)	-1.1 (-1.8%)
	AN	-0.8 (-1.4%)	-0.4 (-0.7%)	-1.2 (-2.1%)	-0.8 (-1.4%)
	BN	0.6 (1%)	-0.7 (-1.2%)	0.6 (1%)	-0.7 (-1.2%)
	D	1.4 (2.4%)	-1.1 (-1.7%)	1 (1.7%)	-1.5 (-2.4%)
	C	2 (3.1%)	-0.8 (-1.3%)	0.7 (1.1%)	-2.1 (-3.3%)
	All	0.3 (0.5%)	-0.8 (-1.4%)	-0.1 (-0.1%)	-1.2 (-2%)
OCT	W	1.1 (2.1%)	-0.2 (-0.4%)	1.1 (2%)	-0.2 (-0.4%)
	AN	1.1 (2%)	-0.2 (-0.4%)	1.1 (2%)	-0.2 (-0.4%)
	BN	1 (1.9%)	-0.3 (-0.6%)	0.9 (1.7%)	-0.5 (-0.8%)
	D	1.3 (2.3%)	-0.2 (-0.3%)	1 (1.9%)	-0.4 (-0.7%)
	C	1.2 (2.1%)	-0.5 (-0.9%)	0.6 (1.1%)	-1.1 (-1.9%)
	All	1.1 (2.1%)	-0.3 (-0.5%)	1 (1.8%)	-0.4 (-0.8%)
NOV	W	1.1 (2.2%)	-0.1 (-0.2%)	1.1 (2.1%)	-0.1 (-0.2%)
	AN	1 (2%)	-0.1 (-0.3%)	1.1 (2.2%)	0 (0%)
	BN	1 (1.9%)	-0.2 (-0.4%)	1 (2%)	-0.2 (-0.3%)
	D	1.1 (2.1%)	0 (0%)	1 (2%)	0 (0%)
	C	1.1 (2.2%)	0 (0%)	1 (1.9%)	-0.2 (-0.3%)
	All	1.1 (2.1%)	-0.1 (-0.1%)	1.1 (2.1%)	-0.1 (-0.2%)
DEC	W	0.8 (1.7%)	0.2 (0.4%)	0.8 (1.8%)	0.3 (0.6%)
	AN	1.1 (2.3%)	0.1 (0.3%)	1.2 (2.6%)	0.2 (0.5%)
	BN	1.2 (2.6%)	0.3 (0.7%)	1.2 (2.6%)	0.4 (0.7%)
	D	1.1 (2.4%)	0.3 (0.6%)	1.1 (2.4%)	0.3 (0.6%)
	C	1.4 (3.1%)	0.5 (1.1%)	1.4 (3%)	0.5 (1.1%)
	All	1.1 (2.3%)	0.3 (0.6%)	1.1 (2.4%)	0.3 (0.7%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.10.5 Sacramento River at Hamilton City

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4A_ELT Model Scenarios in the Sacramento River at Hamilton City, Year-Round

Alternative 4A_ELT: Sacramento River at Hamilton City					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
JAN	W	45	46	46	46
	AN	45	46	46	46
	BN	44	45	45	45
	D	44	45	45	45
	C	44	45	45	46
	All	45	45	45	46
FEB	W	46	47	47	47
	AN	47	48	48	48
	BN	46	47	47	47
	D	47	48	48	48
	C	48	49	49	49
	All	47	48	48	48
MAR	W	49	50	50	50
	AN	51	51	51	51
	BN	51	52	52	52
	D	52	52	53	53
	C	52	53	53	53
	All	51	52	51	52
APR	W	54	54	54	54
	AN	55	56	56	56
	BN	56	57	57	57
	D	56	57	57	57
	C	56	57	57	57
	All	55	56	56	56
MAY	W	58	60	60	60
	AN	60	61	61	61
	BN	59	61	61	61
	D	59	61	60	60
	C	60	61	61	61
	All	59	61	60	61
JUN	W	61	62	62	62
	AN	61	62	61	62
	BN	60	61	61	61
	D	60	62	61	62
	C	61	62	62	62
	All	61	62	62	62
JUL	W	62	62	62	62
	AN	61	62	62	61
	BN	61	62	62	62
	D	61	62	62	62
	C	63	65	65	65
	All	62	63	63	63
AUG	W	62	64	64	64
	AN	62	63	63	63
	BN	62	63	63	63
	D	62	64	65	64
	C	65	68	68	67
	All	62	64	64	64

Alternative 4A_ELT: Sacramento River at Hamilton City					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
SEP	W	60	60	60	60
	AN	62	61	62	62
	BN	62	63	64	64
	D	62	65	65	65
	C	64	67	67	66
	All	62	63	63	63
OCT	W	55	57	57	57
	AN	56	57	57	57
	BN	56	57	58	57
	D	56	58	58	58
	C	57	59	59	58
	All	56	57	57	57
NOV	W	50	51	51	51
	AN	50	51	51	51
	BN	50	52	51	51
	D	51	52	52	52
	C	52	53	53	52
	All	51	52	52	52
DEC	W	46	47	47	47
	AN	46	46	46	46
	BN	45	46	46	46
	D	45	46	46	46
	C	45	46	46	46
	All	46	46	46	46

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Hamilton City, Year-Round

Alternative 4A_ELT: Sacramento River at Hamilton City					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
JAN	W	0.7 (1.6%)	0 (0%)	0.7 (1.7%)	0 (0.1%)
	AN	0.8 (1.8%)	0 (0%)	0.8 (1.8%)	0 (0.1%)
	BN	0.9 (2.1%)	0 (0%)	0.9 (2.1%)	0 (0%)
	D	0.9 (2.1%)	0 (0%)	1 (2.2%)	0 (0.1%)
	C	1.1 (2.4%)	-0.1 (-0.2%)	1.2 (2.6%)	0 (0%)
	All	0.9 (1.9%)	0 (0%)	0.9 (2%)	0 (0.1%)
FEB	W	0.9 (1.9%)	0 (0%)	0.9 (1.9%)	0 (0%)
	AN	0.9 (1.9%)	0 (0%)	0.9 (1.9%)	0 (0.1%)
	BN	1 (2.1%)	0 (0%)	1 (2.1%)	0 (0%)
	D	1.1 (2.4%)	0 (0%)	1.2 (2.5%)	0 (0.1%)
	C	1.2 (2.4%)	0 (0%)	1.3 (2.6%)	0.1 (0.1%)
	All	1 (2.1%)	0 (0%)	1 (2.2%)	0 (0.1%)
MAR	W	0.7 (1.3%)	0 (0%)	0.7 (1.3%)	0 (0%)
	AN	0.7 (1.4%)	0 (-0.1%)	0.7 (1.4%)	0 (0%)
	BN	0.8 (1.6%)	0 (0%)	0.8 (1.6%)	0 (0%)
	D	0.8 (1.6%)	0 (0%)	0.8 (1.6%)	0 (0%)
	C	0.7 (1.3%)	-0.1 (-0.1%)	0.8 (1.5%)	0 (0%)
	All	0.7 (1.4%)	0 (0%)	0.7 (1.5%)	0 (0%)
APR	W	0.8 (1.6%)	0 (0%)	0.8 (1.6%)	0 (0%)
	AN	0.8 (1.5%)	0 (0%)	0.8 (1.5%)	0 (-0.1%)
	BN	1 (1.8%)	0 (0%)	1 (1.7%)	0 (-0.1%)
	D	0.9 (1.5%)	-0.1 (-0.1%)	1 (1.7%)	0 (0%)
	C	0.9 (1.7%)	0 (0%)	1 (1.8%)	0.1 (0.2%)
	All	0.9 (1.6%)	0 (0%)	0.9 (1.6%)	0 (0%)
MAY	W	1.9 (3.2%)	0 (0%)	1.9 (3.2%)	0 (0%)
	AN	0.9 (1.5%)	-0.6 (-0.9%)	1.1 (1.8%)	-0.4 (-0.7%)
	BN	1.5 (2.5%)	-0.2 (-0.4%)	1.8 (3%)	0 (0%)
	D	1.2 (2.1%)	-0.3 (-0.5%)	1.4 (2.4%)	-0.1 (-0.2%)
	C	1.3 (2.1%)	0 (0%)	1.2 (2%)	-0.1 (-0.2%)
	All	1.4 (2.4%)	-0.2 (-0.3%)	1.5 (2.6%)	-0.1 (-0.2%)
JUN	W	1 (1.7%)	-0.1 (-0.2%)	1.1 (1.9%)	0 (0%)
	AN	0.7 (1.2%)	-0.3 (-0.5%)	1.2 (2%)	0.2 (0.4%)
	BN	0.8 (1.3%)	-0.3 (-0.6%)	1.1 (1.8%)	0 (0%)
	D	0.8 (1.4%)	-0.4 (-0.6%)	1.1 (1.8%)	-0.1 (-0.1%)
	C	0.8 (1.3%)	-0.2 (-0.3%)	0.8 (1.3%)	-0.2 (-0.3%)
	All	0.9 (1.4%)	-0.3 (-0.4%)	1.1 (1.8%)	0 (0%)
JUL	W	0.4 (0.6%)	-0.1 (-0.2%)	0.4 (0.7%)	-0.1 (-0.1%)
	AN	0.7 (1.2%)	0 (0.1%)	0.6 (1%)	-0.1 (-0.2%)
	BN	0.6 (1%)	-0.2 (-0.4%)	0.8 (1.3%)	-0.1 (-0.1%)
	D	1.1 (1.8%)	0.1 (0.2%)	1.2 (2%)	0.2 (0.4%)
	C	2.1 (3.3%)	-0.1 (-0.2%)	2 (3.1%)	-0.3 (-0.4%)
	All	0.9 (1.4%)	-0.1 (-0.1%)	0.9 (1.5%)	0 (-0.1%)
AUG	W	1.7 (2.7%)	0 (0%)	1.5 (2.5%)	-0.2 (-0.2%)
	AN	0.9 (1.4%)	-0.1 (-0.2%)	0.7 (1.1%)	-0.4 (-0.6%)
	BN	1.2 (1.9%)	-0.4 (-0.6%)	1.1 (1.8%)	-0.5 (-0.7%)
	D	2.5 (4%)	0.8 (1.3%)	1.4 (2.3%)	-0.3 (-0.4%)
	C	3.2 (4.9%)	0 (0%)	2.2 (3.5%)	-0.9 (-1.4%)
	All	1.9 (3%)	0.1 (0.1%)	1.4 (2.3%)	-0.4 (-0.6%)

Alternative 4A_ELT: Sacramento River at Hamilton City					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
SEP	W	0.1 (0.2%)	0.2 (0.3%)	0 (0%)	0 (0%)
	AN	0.3 (0.5%)	1 (1.6%)	-0.3 (-0.5%)	0.4 (0.6%)
	BN	2 (3.2%)	0.6 (1%)	2 (3.3%)	0.7 (1.1%)
	D	3 (4.8%)	0.3 (0.5%)	2.6 (4.1%)	-0.1 (-0.1%)
	C	2.6 (4%)	0 (0%)	1.9 (2.9%)	-0.7 (-1.1%)
	All	1.4 (2.3%)	0.4 (0.6%)	1.1 (1.8%)	0.1 (0.1%)
OCT	W	1.4 (2.5%)	0 (0.1%)	1.3 (2.4%)	0 (0%)
	AN	1.5 (2.7%)	0.1 (0.1%)	1.4 (2.5%)	0 (0%)
	BN	1.5 (2.7%)	0 (0.1%)	1.4 (2.5%)	-0.1 (-0.2%)
	D	1.4 (2.6%)	0 (0.1%)	1.2 (2.2%)	-0.2 (-0.3%)
	C	1.5 (2.6%)	-0.2 (-0.3%)	1.1 (1.9%)	-0.6 (-1%)
	All	1.5 (2.6%)	0 (0%)	1.3 (2.3%)	-0.1 (-0.2%)
NOV	W	1 (1.9%)	-0.2 (-0.4%)	1 (1.9%)	-0.2 (-0.4%)
	AN	1 (1.9%)	-0.2 (-0.4%)	1.1 (2.1%)	-0.1 (-0.2%)
	BN	0.9 (1.8%)	-0.3 (-0.6%)	1 (1.9%)	-0.3 (-0.5%)
	D	0.9 (1.9%)	-0.2 (-0.3%)	0.9 (1.8%)	-0.2 (-0.4%)
	C	1.1 (2.1%)	-0.1 (-0.2%)	0.9 (1.8%)	-0.2 (-0.5%)
	All	1 (1.9%)	-0.2 (-0.4%)	1 (1.9%)	-0.2 (-0.4%)
DEC	W	0.7 (1.4%)	0 (0%)	0.7 (1.6%)	0.1 (0.1%)
	AN	0.8 (1.8%)	-0.1 (-0.3%)	0.9 (2%)	-0.1 (-0.2%)
	BN	0.9 (1.9%)	-0.1 (-0.2%)	0.9 (2%)	-0.1 (-0.1%)
	D	0.8 (1.9%)	-0.1 (-0.1%)	0.8 (1.8%)	-0.1 (-0.1%)
	C	1 (2.2%)	0 (0.1%)	1 (2.1%)	0 (0%)
	All	0.8 (1.8%)	0 (-0.1%)	0.8 (1.8%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.10.6 Trinity River below Lewiston Reservoir

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4A_ELT Model Scenarios in the Trinity River below Lewiston Reservoir, Year-Round

Alternative 4A_ELT: Trinity River below Lewiston Reservoir					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
JAN	W	41	42	42	42
	AN	38	39	40	40
	BN	39	40	39	39
	D	39	40	40	39
	C	39	40	40	40
	All	39	40	40	40
FEB	W	43	44	44	44
	AN	43	44	44	44
	BN	42	43	43	43
	D	42	44	44	44
	C	43	44	44	44
	All	43	44	44	44
MAR	W	46	47	47	47
	AN	47	48	48	48
	BN	47	47	47	47
	D	48	48	49	49
	C	48	49	49	49
	All	47	48	48	48
APR	W	49	50	50	50
	AN	50	51	51	52
	BN	51	52	52	52
	D	51	52	52	52
	C	50	51	51	51
	All	50	51	51	51
MAY	W	46	47	47	47
	AN	46	47	47	47
	BN	46	48	48	48
	D	47	48	48	48
	C	49	51	51	51
	All	47	48	48	48
JUN	W	48	49	49	49
	AN	51	51	51	51
	BN	52	52	52	52
	D	52	53	52	53
	C	56	57	58	57
	All	51	52	52	52
JUL	W	51	53	53	53
	AN	52	52	52	52
	BN	52	53	53	53
	D	51	52	52	52
	C	53	56	56	55
	All	51	53	53	53
AUG	W	52	53	52	52
	AN	51	52	51	51
	BN	52	54	53	53
	D	50	52	52	52
	C	54	60	59	57
	All	52	54	53	53

Alternative 4A_ELT: Trinity River below Lewiston Reservoir					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
SEP	W	49	50	50	50
	AN	50	50	50	50
	BN	51	54	53	53
	D	50	53	53	53
	C	57	60	60	58
	All	51	53	52	52
OCT	W	48	50	49	49
	AN	49	51	50	51
	BN	50	52	52	52
	D	50	50	50	50
	C	51	54	53	53
	All	49	51	51	51
NOV	W	44	45	45	45
	AN	45	46	45	46
	BN	45	46	46	46
	D	44	45	45	45
	C	46	47	47	47
	All	45	46	46	46
DEC	W	41	42	42	42
	AN	39	41	40	40
	BN	40	41	40	40
	D	40	41	41	41
	C	39	40	40	40
	All	40	41	41	41

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River below Lewiston Reservoir, Year-Round

Alternative 4A_ELT: Trinity River below Lewiston Reservoir					
Month	Water Year Type	EXISTING CONDITIONS vs. H3_ELT	NAA_ELT vs. H3_ELT	EXISTING CONDITIONS vs. H4_ELT	NAA_ELT vs. H4_ELT
JAN	W	0.9 (2.3%)	0 (0%)	0.9 (2.1%)	-0.1 (-0.1%)
	AN	1.2 (3%)	0.3 (0.6%)	1.1 (3%)	0.2 (0.6%)
	BN	0.6 (1.4%)	-0.2 (-0.5%)	0.6 (1.5%)	-0.2 (-0.4%)
	D	0.9 (2.4%)	-0.2 (-0.5%)	0.7 (1.9%)	-0.4 (-1.1%)
	C	0.9 (2.3%)	-0.1 (-0.3%)	0.9 (2.2%)	-0.2 (-0.4%)
	All	0.9 (2.3%)	-0.1 (-0.2%)	0.8 (2.1%)	-0.1 (-0.3%)
FEB	W	1.2 (2.7%)	0 (0%)	1.2 (2.7%)	0 (0.1%)
	AN	1.2 (2.7%)	0.1 (0.1%)	1.2 (2.8%)	0.1 (0.2%)
	BN	1.1 (2.6%)	0 (0%)	1.1 (2.6%)	0 (0%)
	D	1.1 (2.7%)	0 (0%)	1.1 (2.7%)	0 (0%)
	C	1.1 (2.6%)	0 (0.1%)	1.1 (2.6%)	0 (0.1%)
	All	1.1 (2.7%)	0 (0%)	1.2 (2.7%)	0 (0%)
MAR	W	0.8 (1.7%)	0 (0%)	0.8 (1.7%)	0 (0%)
	AN	0.6 (1.3%)	0.2 (0.4%)	0.8 (1.6%)	0.3 (0.6%)
	BN	0.8 (1.7%)	0 (0%)	0.8 (1.7%)	0 (0%)
	D	0.4 (0.9%)	0.1 (0.2%)	0.5 (1%)	0.2 (0.3%)
	C	1 (2.1%)	0 (0%)	1.1 (2.2%)	0.1 (0.1%)
	All	0.7 (1.5%)	0 (0.1%)	0.8 (1.6%)	0.1 (0.2%)
APR	W	0.9 (1.8%)	0 (0%)	0.9 (1.7%)	0 (0%)
	AN	1 (2.1%)	0.2 (0.5%)	1.5 (3%)	0.7 (1.4%)
	BN	1.5 (2.9%)	0.1 (0.1%)	1.2 (2.3%)	-0.2 (-0.5%)
	D	0.9 (1.8%)	-0.1 (-0.2%)	0.9 (1.8%)	-0.1 (-0.3%)
	C	1 (2%)	0.2 (0.3%)	1.1 (2.3%)	0.3 (0.6%)
	All	1 (2%)	0 (0.1%)	1 (2.1%)	0.1 (0.1%)
MAY	W	1.1 (2.5%)	0 (0%)	1.1 (2.5%)	0 (0%)
	AN	1 (2.3%)	0 (0%)	0.9 (1.9%)	-0.2 (-0.3%)
	BN	1.2 (2.6%)	0.1 (0.1%)	1.2 (2.7%)	0.1 (0.2%)
	D	1.3 (2.8%)	0 (0.1%)	1.3 (2.8%)	0.1 (0.1%)
	C	1.8 (3.7%)	0 (0%)	1.7 (3.4%)	-0.2 (-0.3%)
	All	1.3 (2.7%)	0 (0%)	1.2 (2.7%)	0 (0%)
JUN	W	0.8 (1.7%)	0 (0%)	0.8 (1.7%)	0 (0%)
	AN	0.6 (1.2%)	-0.3 (-0.5%)	0.3 (0.6%)	-0.5 (-1.1%)
	BN	0.7 (1.4%)	0.1 (0.3%)	0.5 (1%)	-0.1 (-0.1%)
	D	0.2 (0.4%)	-0.4 (-0.7%)	0.9 (1.7%)	0.3 (0.6%)
	C	2.1 (3.7%)	0.2 (0.4%)	1.5 (2.7%)	-0.3 (-0.6%)
	All	0.8 (1.6%)	-0.1 (-0.1%)	0.8 (1.6%)	-0.1 (-0.1%)
JUL	W	2 (4%)	0.1 (0.2%)	1.9 (3.7%)	0 (-0.1%)
	AN	0.4 (0.8%)	-0.4 (-0.7%)	0.7 (1.4%)	-0.1 (-0.1%)
	BN	0.9 (1.7%)	0 (-0.1%)	1.1 (2.1%)	0.2 (0.3%)
	D	0.7 (1.4%)	-0.3 (-0.6%)	0.7 (1.4%)	-0.3 (-0.6%)
	C	3 (5.6%)	0 (0%)	2.3 (4.4%)	-0.7 (-1.2%)
	All	1.5 (2.8%)	-0.1 (-0.2%)	1.4 (2.7%)	-0.2 (-0.3%)
AUG	W	0.4 (0.7%)	-0.4 (-0.8%)	0.4 (0.7%)	-0.4 (-0.8%)
	AN	0.4 (0.8%)	-0.3 (-0.5%)	0.5 (0.9%)	-0.2 (-0.4%)
	BN	1.2 (2.3%)	-0.5 (-0.9%)	1.3 (2.5%)	-0.4 (-0.7%)
	D	1.8 (3.5%)	0 (-0.1%)	1.4 (2.9%)	-0.4 (-0.7%)
	C	4.9 (9%)	-0.8 (-1.3%)	3.2 (6%)	-2.4 (-4.1%)
	All	1.5 (2.9%)	-0.4 (-0.7%)	1.2 (2.3%)	-0.7 (-1.3%)

Alternative 4A_ELT: Trinity River below Lewiston Reservoir					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
SEP	W	0.6 (1.2%)	-0.2 (-0.4%)	0.5 (1.1%)	-0.3 (-0.5%)
	AN	0.5 (1%)	-0.1 (-0.2%)	0 (0%)	-0.6 (-1.1%)
	BN	1.8 (3.5%)	-0.6 (-1.2%)	1.7 (3.3%)	-0.7 (-1.4%)
	D	2.5 (5%)	-0.1 (-0.1%)	2.5 (4.9%)	-0.1 (-0.3%)
	C	3 (5.4%)	-0.1 (-0.2%)	1.5 (2.7%)	-1.6 (-2.7%)
	All	1.6 (3.1%)	-0.2 (-0.4%)	1.2 (2.4%)	-0.6 (-1.1%)
OCT	W	1.5 (3.2%)	-0.2 (-0.4%)	1.5 (3.2%)	-0.2 (-0.5%)
	AN	0.7 (1.4%)	-0.5 (-1%)	1.3 (2.7%)	0.1 (0.2%)
	BN	1.8 (3.5%)	0 (0%)	1.7 (3.4%)	0 (-0.1%)
	D	0.7 (1.4%)	-0.1 (-0.2%)	0.7 (1.5%)	0 (-0.1%)
	C	1.9 (3.7%)	-0.3 (-0.6%)	1.5 (3%)	-0.7 (-1.3%)
	All	1.3 (2.7%)	-0.2 (-0.4%)	1.4 (2.7%)	-0.2 (-0.3%)
NOV	W	1.1 (2.5%)	-0.1 (-0.1%)	1.1 (2.5%)	-0.1 (-0.2%)
	AN	0.7 (1.7%)	-0.1 (-0.3%)	0.8 (1.9%)	-0.1 (-0.1%)
	BN	1.3 (2.9%)	0 (0%)	1.2 (2.6%)	-0.1 (-0.3%)
	D	1 (2.2%)	-0.1 (-0.2%)	1 (2.2%)	-0.1 (-0.2%)
	C	1.4 (3%)	0.4 (0.8%)	1 (2.2%)	0 (0%)
	All	1.1 (2.5%)	0 (0%)	1 (2.3%)	-0.1 (-0.2%)
DEC	W	1 (2.3%)	-0.3 (-0.6%)	0.9 (2.1%)	-0.3 (-0.8%)
	AN	1 (2.6%)	-0.5 (-1.2%)	1.2 (3%)	-0.3 (-0.8%)
	BN	0.9 (2.3%)	-0.2 (-0.5%)	0.9 (2.1%)	-0.2 (-0.6%)
	D	0.4 (1%)	-0.1 (-0.3%)	0.4 (1.1%)	-0.1 (-0.2%)
	C	0.7 (1.7%)	0 (0.1%)	0.8 (2.2%)	0.2 (0.5%)
	All	0.8 (2%)	-0.2 (-0.5%)	0.8 (2%)	-0.2 (-0.4%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.10.7 Trinity River at Douglas City

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4A_ELT Model Scenarios in the Trinity River at Douglas City, Year-Round

Alternative 4A_ELT: Trinity River at Douglas City					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
JAN	W	40	41	41	41
	AN	39	39	39	39
	BN	38	39	39	39
	D	38	39	39	39
	C	39	40	40	40
	All	39	40	40	40
FEB	W	43	44	44	44
	AN	43	44	44	44
	BN	42	43	43	43
	D	43	44	44	44
	C	43	44	44	44
	All	43	44	44	44
MAR	W	46	46	46	46
	AN	47	47	47	47
	BN	47	47	47	47
	D	48	48	48	48
	C	48	49	49	49
	All	47	47	47	47
APR	W	51	51	51	51
	AN	52	52	53	53
	BN	52	53	53	53
	D	53	53	53	53
	C	52	53	53	53
	All	52	52	52	52
MAY	W	48	49	49	49
	AN	48	49	49	49
	BN	49	50	50	50
	D	49	50	50	50
	C	52	54	54	53
	All	49	50	50	50
JUN	W	51	52	52	52
	AN	54	55	55	54
	BN	55	56	56	56
	D	57	58	58	58
	C	60	61	61	61
	All	55	56	56	56
JUL	W	57	59	59	59
	AN	58	59	58	59
	BN	59	60	60	60
	D	59	60	60	60
	C	62	64	64	64
	All	59	60	60	60
AUG	W	60	61	61	61
	AN	59	60	60	60
	BN	60	61	61	61
	D	58	60	60	60
	C	61	64	64	63
	All	60	61	61	61

Alternative 4A_ELT: Trinity River at Douglas City					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
SEP	W	55	56	56	56
	AN	55	56	56	55
	BN	56	58	58	58
	D	55	57	57	57
	C	59	63	61	60
	All	56	58	57	57
OCT	W	50	52	52	52
	AN	51	52	52	52
	BN	52	53	53	53
	D	51	52	52	52
	C	53	54	54	54
	All	51	52	52	52
NOV	W	44	45	45	45
	AN	45	46	45	45
	BN	45	46	46	46
	D	44	45	45	45
	C	46	46	47	46
	All	44	45	45	45
DEC	W	41	42	42	42
	AN	40	41	41	41
	BN	39	40	40	40
	D	40	40	40	40
	C	39	39	39	39
	All	40	41	41	41

Table 2. Differences (°F)a (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River at Douglas City, Year-Round

Alternative 4A_ELT: Trinity River at Douglas City					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
JAN	W	0.8 (1.9%)	0 (0.1%)	0.7 (1.8%)	0 (0%)
	AN	0.7 (1.9%)	0.1 (0.3%)	0.7 (1.9%)	0.1 (0.3%)
	BN	0.4 (1.1%)	-0.1 (-0.2%)	0.4 (1.1%)	-0.1 (-0.2%)
	D	0.8 (2.1%)	-0.1 (-0.3%)	0.7 (1.9%)	-0.2 (-0.5%)
	C	0.8 (2.1%)	-0.1 (-0.1%)	0.8 (2.1%)	-0.1 (-0.2%)
	All	0.7 (1.9%)	0 (-0.1%)	0.7 (1.8%)	-0.1 (-0.1%)
FEB	W	0.8 (1.8%)	0 (0%)	0.8 (1.8%)	0 (0%)
	AN	0.8 (1.9%)	0 (0%)	0.8 (1.9%)	0 (0%)
	BN	0.8 (1.9%)	0 (0%)	0.8 (1.9%)	0 (0%)
	D	0.8 (1.9%)	0 (0%)	0.8 (1.9%)	0 (0%)
	C	0.9 (2.2%)	0 (0%)	0.9 (2.2%)	0 (0%)
	All	0.8 (1.9%)	0 (0%)	0.8 (1.9%)	0 (0%)
MAR	W	0.4 (0.9%)	0 (0%)	0.4 (0.9%)	0 (0%)
	AN	0.3 (0.7%)	0 (0.1%)	0.4 (0.8%)	0.1 (0.2%)
	BN	0.4 (1%)	0 (0%)	0.4 (0.9%)	0 (0%)
	D	0.3 (0.7%)	0 (0.1%)	0.3 (0.7%)	0.1 (0.1%)
	C	0.7 (1.4%)	0 (0%)	0.7 (1.5%)	0 (0%)
	All	0.4 (0.9%)	0 (0%)	0.4 (0.9%)	0 (0.1%)
APR	W	0.6 (1.1%)	0 (0%)	0.6 (1.2%)	0 (0%)
	AN	0.6 (1.2%)	0.2 (0.4%)	0.8 (1.6%)	0.4 (0.8%)
	BN	0.8 (1.5%)	0 (0.1%)	0.7 (1.3%)	-0.1 (-0.2%)
	D	0.7 (1.3%)	-0.1 (-0.1%)	0.7 (1.3%)	-0.1 (-0.2%)
	C	0.8 (1.5%)	0.1 (0.1%)	0.9 (1.7%)	0.2 (0.3%)
	All	0.7 (1.3%)	0 (0.1%)	0.7 (1.3%)	0.1 (0.1%)
MAY	W	1.1 (2.3%)	0 (0%)	1.1 (2.3%)	0 (0%)
	AN	1 (2.1%)	0 (0%)	0.9 (1.9%)	-0.1 (-0.3%)
	BN	1.3 (2.6%)	0 (0.1%)	1.3 (2.6%)	0.1 (0.1%)
	D	1.3 (2.6%)	0 (0.1%)	1.3 (2.7%)	0 (0.1%)
	C	1.8 (3.5%)	0 (0%)	1.7 (3.2%)	-0.1 (-0.2%)
	All	1.3 (2.6%)	0 (0%)	1.2 (2.5%)	0 (0%)
JUN	W	0.7 (1.4%)	0 (0%)	0.7 (1.4%)	0 (0%)
	AN	0.7 (1.3%)	-0.2 (-0.4%)	0.5 (0.9%)	-0.5 (-0.8%)
	BN	0.7 (1.2%)	0.1 (0.2%)	0.5 (1%)	-0.1 (-0.1%)
	D	0.5 (1%)	-0.2 (-0.4%)	1 (1.7%)	0.2 (0.3%)
	C	1.7 (2.8%)	0.2 (0.3%)	1.3 (2.2%)	-0.2 (-0.3%)
	All	0.8 (1.5%)	0 (-0.1%)	0.8 (1.5%)	-0.1 (-0.1%)
JUL	W	1.9 (3.3%)	0.1 (0.1%)	1.8 (3.1%)	0 (-0.1%)
	AN	0.6 (1%)	-0.3 (-0.4%)	0.8 (1.4%)	-0.1 (-0.1%)
	BN	0.6 (1.1%)	0 (0%)	0.8 (1.3%)	0.1 (0.2%)
	D	0.8 (1.4%)	-0.2 (-0.3%)	0.8 (1.4%)	-0.2 (-0.3%)
	C	2.1 (3.4%)	0 (0%)	1.7 (2.8%)	-0.4 (-0.6%)
	All	1.3 (2.2%)	-0.1 (-0.1%)	1.2 (2.1%)	-0.1 (-0.2%)
AUG	W	0.8 (1.4%)	-0.2 (-0.4%)	0.8 (1.4%)	-0.2 (-0.4%)
	AN	0.9 (1.5%)	-0.1 (-0.2%)	0.9 (1.5%)	-0.1 (-0.2%)
	BN	1.3 (2.2%)	-0.2 (-0.4%)	1.3 (2.2%)	-0.2 (-0.3%)
	D	1.7 (2.8%)	0 (0%)	1.5 (2.5%)	-0.2 (-0.3%)
	C	3.4 (5.5%)	-0.4 (-0.6%)	2.4 (3.9%)	-1.4 (-2.2%)
	All	1.5 (2.5%)	-0.2 (-0.3%)	1.3 (2.2%)	-0.4 (-0.6%)

Alternative 4A_ELT: Trinity River at Douglas City					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
SEP	W	1 (1.7%)	-0.1 (-0.2%)	0.9 (1.7%)	-0.2 (-0.3%)
	AN	0.9 (1.7%)	-0.1 (-0.1%)	0.7 (1.2%)	-0.3 (-0.6%)
	BN	1.6 (2.9%)	-0.4 (-0.6%)	1.6 (2.8%)	-0.4 (-0.7%)
	D	2.1 (3.8%)	0 (-0.1%)	2.1 (3.8%)	-0.1 (-0.1%)
	C	2.4 (4.1%)	-1.3 (-2.1%)	1.2 (2%)	-2.6 (-4.1%)
	All	1.5 (2.8%)	-0.3 (-0.6%)	1.3 (2.3%)	-0.6 (-1%)
OCT	W	1.3 (2.6%)	-0.1 (-0.2%)	1.3 (2.5%)	-0.1 (-0.3%)
	AN	0.7 (1.4%)	-0.3 (-0.5%)	1.1 (2.2%)	0.1 (0.3%)
	BN	1.4 (2.7%)	0 (0%)	1.4 (2.7%)	0 (0%)
	D	0.8 (1.5%)	-0.1 (-0.1%)	0.8 (1.6%)	0 (0%)
	C	1.4 (2.7%)	-0.1 (-0.1%)	1.3 (2.4%)	-0.2 (-0.4%)
	All	1.1 (2.2%)	-0.1 (-0.2%)	1.2 (2.3%)	-0.1 (-0.1%)
NOV	W	1 (2.2%)	0 (-0.1%)	0.9 (2.1%)	0 (-0.1%)
	AN	0.9 (1.9%)	-0.1 (-0.2%)	0.8 (1.8%)	-0.1 (-0.3%)
	BN	1.1 (2.4%)	0 (0%)	1 (2.3%)	-0.1 (-0.1%)
	D	0.9 (2%)	-0.1 (-0.1%)	0.9 (2.1%)	0 (-0.1%)
	C	1 (2.3%)	0.2 (0.5%)	0.8 (1.7%)	0 (0%)
	All	1 (2.2%)	0 (0%)	0.9 (2%)	-0.1 (-0.1%)
DEC	W	0.7 (1.8%)	-0.1 (-0.2%)	0.7 (1.7%)	-0.1 (-0.3%)
	AN	0.8 (1.9%)	-0.2 (-0.6%)	0.9 (2.2%)	-0.1 (-0.3%)
	BN	0.8 (2%)	-0.1 (-0.3%)	0.8 (2%)	-0.1 (-0.3%)
	D	0.5 (1.4%)	0 (-0.1%)	0.6 (1.4%)	0 (-0.1%)
	C	0.7 (1.7%)	0 (0%)	0.8 (2%)	0.1 (0.3%)
	All	0.7 (1.7%)	-0.1 (-0.2%)	0.7 (1.8%)	-0.1 (-0.2%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.10.8 Trinity River below North Fork

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4A_ELT Model Scenarios in the Trinity River below North Fork, Year-Round

Alternative 4A_ELT: Trinity River below North Fork					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
JAN	W	40	40	40	40
	AN	38	39	39	39
	BN	38	38	38	38
	D	38	38	38	38
	C	38	39	39	39
	All	39	39	39	39
FEB	W	43	44	44	44
	AN	43	44	44	44
	BN	43	43	43	43
	D	43	43	43	43
	C	43	44	44	44
	All	43	44	44	44
MAR	W	46	46	46	46
	AN	46	47	47	47
	BN	46	47	47	47
	D	47	47	47	47
	C	48	48	48	48
	All	47	47	47	47
APR	W	53	53	53	53
	AN	54	54	54	54
	BN	54	54	54	54
	D	54	54	54	54
	C	54	55	55	55
	All	53	54	54	54
MAY	W	50	51	51	51
	AN	50	51	51	51
	BN	51	52	52	52
	D	51	53	53	53
	C	54	56	56	56
	All	51	52	52	52
JUN	W	55	56	56	56
	AN	58	59	58	58
	BN	60	60	60	60
	D	62	62	62	62
	C	63	65	65	64
	All	59	60	60	60
JUL	W	63	64	64	64
	AN	63	64	64	64
	BN	65	65	65	65
	D	65	66	66	66
	C	68	69	69	69
	All	65	66	66	66
AUG	W	65	66	66	66
	AN	64	65	65	65
	BN	65	66	66	66
	D	64	65	65	65
	C	65	68	67	67
	All	65	66	66	66

Alternative 4A_ELT: Trinity River below North Fork					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
SEP	W	59	60	60	60
	AN	59	60	60	60
	BN	59	61	61	61
	D	58	60	60	60
	C	61	63	63	62
	All	59	61	61	60
OCT	W	53	54	54	54
	AN	53	54	54	54
	BN	54	55	55	55
	D	53	54	53	53
	C	54	55	55	55
	All	53	54	54	54
NOV	W	44	44	44	44
	AN	44	45	45	45
	BN	44	45	45	45
	D	44	44	44	44
	C	45	46	46	46
	All	44	45	45	45
DEC	W	41	41	41	41
	AN	40	41	41	41
	BN	39	40	40	40
	D	40	40	40	40
	C	38	39	39	39
	All	40	40	40	40

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River below North Fork, Year-Round

Alternative 4A_ELT: Trinity River below North Fork					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
JAN	W	0.6 (1.5%)	0 (0.1%)	0.6 (1.4%)	0 (0%)
	AN	0.5 (1.2%)	0 (0.1%)	0.5 (1.2%)	0 (0.1%)
	BN	0.3 (0.8%)	0 (-0.1%)	0.3 (0.8%)	0 (-0.1%)
	D	0.6 (1.6%)	0 (-0.1%)	0.6 (1.5%)	-0.1 (-0.2%)
	C	0.7 (1.8%)	0 (-0.1%)	0.7 (1.8%)	0 (-0.1%)
	All	0.6 (1.4%)	0 (0%)	0.5 (1.4%)	0 (-0.1%)
FEB	W	0.5 (1.2%)	0 (0%)	0.5 (1.2%)	0 (0%)
	AN	0.6 (1.3%)	0 (0%)	0.6 (1.3%)	0 (0%)
	BN	0.6 (1.4%)	0 (0%)	0.6 (1.3%)	0 (0%)
	D	0.5 (1.3%)	0 (0%)	0.5 (1.3%)	0 (0%)
	C	0.7 (1.7%)	0 (0%)	0.7 (1.7%)	0 (0%)
	All	0.6 (1.3%)	0 (0%)	0.6 (1.3%)	0 (0%)
MAR	W	0.2 (0.5%)	0 (0%)	0.2 (0.5%)	0 (0%)
	AN	0.2 (0.4%)	0 (0%)	0.2 (0.5%)	0 (0.1%)
	BN	0.3 (0.6%)	0 (0%)	0.3 (0.5%)	0 (0%)
	D	0.2 (0.5%)	0 (0%)	0.2 (0.5%)	0 (0%)
	C	0.4 (0.9%)	0 (0%)	0.5 (0.9%)	0 (0%)
	All	0.3 (0.6%)	0 (0%)	0.3 (0.6%)	0 (0%)
APR	W	0.3 (0.7%)	0 (0%)	0.4 (0.7%)	0 (0%)
	AN	0.4 (0.7%)	0.2 (0.3%)	0.5 (0.9%)	0.2 (0.4%)
	BN	0.4 (0.8%)	0 (0%)	0.4 (0.7%)	0 (-0.1%)
	D	0.5 (0.8%)	0 (0%)	0.4 (0.8%)	0 (-0.1%)
	C	0.6 (1%)	0 (0%)	0.6 (1.1%)	0.1 (0.1%)
	All	0.4 (0.8%)	0 (0%)	0.4 (0.8%)	0 (0.1%)
MAY	W	1 (2.1%)	0 (0%)	1.1 (2.1%)	0 (0%)
	AN	1 (2%)	0 (0%)	0.9 (1.8%)	-0.1 (-0.2%)
	BN	1.2 (2.3%)	0 (0.1%)	1.2 (2.4%)	0.1 (0.1%)
	D	1.2 (2.3%)	0 (0%)	1.2 (2.4%)	0 (0.1%)
	C	1.7 (3.1%)	0 (0%)	1.5 (2.8%)	-0.1 (-0.2%)
	All	1.2 (2.3%)	0 (0%)	1.2 (2.3%)	0 (0%)
JUN	W	0.6 (1%)	0 (0%)	0.6 (1%)	0 (0%)
	AN	0.7 (1.3%)	-0.1 (-0.2%)	0.6 (1%)	-0.3 (-0.5%)
	BN	0.6 (1.1%)	0 (0.1%)	0.5 (0.9%)	-0.1 (-0.1%)
	D	0.7 (1.2%)	-0.1 (-0.2%)	0.9 (1.5%)	0.1 (0.2%)
	C	1.3 (2.1%)	0.1 (0.1%)	1.1 (1.8%)	-0.1 (-0.2%)
	All	0.7 (1.3%)	0 (0%)	0.7 (1.2%)	0 (-0.1%)
JUL	W	1.6 (2.6%)	0 (0.1%)	1.5 (2.5%)	0 (0%)
	AN	0.6 (1%)	-0.2 (-0.2%)	0.8 (1.2%)	0 (0%)
	BN	0.5 (0.8%)	0 (0%)	0.6 (0.9%)	0.1 (0.1%)
	D	0.8 (1.3%)	-0.1 (-0.1%)	0.8 (1.3%)	-0.1 (-0.1%)
	C	1.4 (2.1%)	0 (0%)	1.2 (1.8%)	-0.2 (-0.3%)
	All	1.1 (1.7%)	0 (0%)	1.1 (1.6%)	0 (-0.1%)
AUG	W	1 (1.5%)	-0.1 (-0.2%)	1 (1.5%)	-0.1 (-0.2%)
	AN	1 (1.6%)	-0.1 (-0.1%)	1.1 (1.6%)	-0.1 (-0.1%)
	BN	1.2 (1.9%)	-0.1 (-0.2%)	1.3 (2%)	-0.1 (-0.1%)
	D	1.5 (2.3%)	0 (0%)	1.4 (2.2%)	-0.1 (-0.2%)
	C	2.2 (3.3%)	-0.2 (-0.3%)	1.7 (2.6%)	-0.7 (-1%)
	All	1.3 (2%)	-0.1 (-0.2%)	1.2 (1.9%)	-0.2 (-0.3%)

Alternative 4A_ELT: Trinity River below North Fork					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
SEP	W	1.1 (1.9%)	-0.1 (-0.1%)	1.1 (1.9%)	-0.1 (-0.1%)
	AN	1.1 (1.9%)	0 (0%)	1 (1.7%)	-0.2 (-0.3%)
	BN	1.4 (2.4%)	-0.2 (-0.3%)	1.4 (2.4%)	-0.2 (-0.3%)
	D	1.7 (2.9%)	0 (0%)	1.7 (2.9%)	0 (-0.1%)
	C	1.9 (3.1%)	-0.5 (-0.7%)	1.2 (2%)	-1.2 (-1.8%)
	All	1.4 (2.4%)	-0.1 (-0.2%)	1.3 (2.2%)	-0.3 (-0.4%)
OCT	W	1 (2%)	0 (-0.1%)	1 (1.9%)	-0.1 (-0.1%)
	AN	1 (1.8%)	0 (0%)	0.9 (1.7%)	-0.1 (-0.2%)
	BN	1.1 (2.1%)	0 (0%)	1.1 (2.1%)	0 (-0.1%)
	D	0.9 (1.7%)	0 (-0.1%)	0.8 (1.6%)	-0.1 (-0.2%)
	C	1.2 (2.2%)	-0.1 (-0.1%)	1.1 (2%)	-0.1 (-0.2%)
	All	1 (2%)	0 (-0.1%)	1 (1.9%)	-0.1 (-0.1%)
NOV	W	0.8 (1.7%)	0 (0%)	0.8 (1.7%)	0 (0%)
	AN	0.6 (1.5%)	0 (-0.1%)	0.7 (1.5%)	0 (0%)
	BN	0.9 (2%)	0 (0%)	0.9 (2%)	0 (0%)
	D	0.7 (1.6%)	0 (-0.1%)	0.7 (1.6%)	0 (-0.1%)
	C	0.9 (1.9%)	0.1 (0.2%)	0.8 (1.7%)	0 (0%)
	All	0.8 (1.8%)	0 (0%)	0.8 (1.7%)	0 (0%)
DEC	W	0.6 (1.4%)	0 (0%)	0.6 (1.4%)	0 (0%)
	AN	0.6 (1.4%)	-0.1 (-0.2%)	0.6 (1.5%)	0 (-0.1%)
	BN	0.7 (1.8%)	0 (-0.1%)	0.7 (1.7%)	-0.1 (-0.1%)
	D	0.5 (1.4%)	0 (0%)	0.5 (1.4%)	0 (0%)
	C	0.6 (1.7%)	0 (0%)	0.7 (1.8%)	0.1 (0.1%)
	All	0.6 (1.5%)	0 (0%)	0.6 (1.5%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.10.9 Feather River at Fish Barrier Dam

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4A_ELT Model Scenarios in the Feather River at Fish Barrier Dam, Year-Round

Alternative 4A_ELT: Feather River at Fish Barrier Dam					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
JAN	W	48	49	49	49
	AN	47	49	49	49
	BN	48	49	49	49
	D	47	49	49	49
	C	48	49	49	49
	All	48	49	49	49
FEB	W	48	49	49	49
	AN	48	49	49	49
	BN	48	50	50	50
	D	49	50	50	50
	C	49	51	51	51
	All	48	50	50	50
MAR	W	49	50	50	50
	AN	49	50	50	50
	BN	50	51	51	51
	D	51	52	52	52
	C	51	52	53	53
	All	50	51	51	51
APR	W	51	51	51	51
	AN	51	52	52	51
	BN	52	53	53	52
	D	52	53	53	53
	C	52	53	53	53
	All	51	52	52	52
MAY	W	55	55	55	55
	AN	56	56	56	55
	BN	56	56	56	56
	D	56	56	56	56
	C	56	56	56	56
	All	55	56	56	55
JUN	W	57	58	57	58
	AN	58	58	58	58
	BN	58	58	57	58
	D	58	58	58	58
	C	58	58	58	58
	All	58	58	58	58
JUL	W	61	61	61	62
	AN	61	61	61	61
	BN	61	61	61	61
	D	61	61	61	62
	C	61	62	63	62
	All	61	61	61	62
AUG	W	61	61	61	61
	AN	60	60	60	61
	BN	60	60	60	61
	D	60	61	61	61
	C	62	63	62	61
	All	61	61	61	61

Alternative 4A_ELT: Feather River at Fish Barrier Dam					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
SEP	W	56	55	55	56
	AN	56	55	55	56
	BN	56	56	57	59
	D	56	57	57	57
	C	58	59	58	57
	All	56	56	56	57
OCT	W	54	54	54	55
	AN	55	55	56	56
	BN	54	55	55	56
	D	54	55	55	57
	C	54	55	55	54
	All	54	55	55	56
NOV	W	52	53	53	54
	AN	53	54	54	55
	BN	53	54	54	55
	D	52	54	55	55
	C	53	54	54	53
	All	53	54	54	54
DEC	W	49	51	51	51
	AN	49	51	51	51
	BN	49	51	51	51
	D	49	51	51	51
	C	49	51	51	50
	All	49	51	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Fish Barrier Dam, Year-Round

Alternative 4A_ELT: Feather River at Fish Barrier Dam					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
JAN	W	1.3 (2.7%)	0 (0%)	1.4 (2.8%)	0.1 (0.1%)
	AN	1.4 (3.1%)	-0.2 (-0.3%)	1.6 (3.4%)	0 (0%)
	BN	1.2 (2.6%)	-0.2 (-0.3%)	1.2 (2.6%)	-0.2 (-0.3%)
	D	1.6 (3.4%)	-0.2 (-0.3%)	1.7 (3.6%)	0 (-0.1%)
	C	1.8 (3.8%)	0.1 (0.2%)	1.6 (3.4%)	-0.1 (-0.2%)
	All	1.4 (3%)	-0.1 (-0.2%)	1.5 (3.1%)	0 (-0.1%)
FEB	W	1.1 (2.4%)	0 (0.1%)	1.2 (2.4%)	0.1 (0.1%)
	AN	1.3 (2.7%)	0 (0%)	1.4 (3%)	0.1 (0.2%)
	BN	1.4 (2.9%)	-0.1 (-0.2%)	1.5 (3.2%)	0 (0.1%)
	D	1.5 (3%)	0 (0%)	1.4 (2.9%)	0 (-0.1%)
	C	1.7 (3.4%)	0 (-0.1%)	1.7 (3.5%)	0 (-0.1%)
	All	1.4 (2.8%)	0 (0%)	1.4 (2.9%)	0 (0.1%)
MAR	W	1 (2.1%)	0.1 (0.1%)	1 (2.1%)	0.1 (0.1%)
	AN	0.9 (1.8%)	-0.1 (-0.1%)	1.1 (2.2%)	0.1 (0.2%)
	BN	1.7 (3.5%)	0.1 (0.2%)	1.4 (2.9%)	-0.2 (-0.4%)
	D	1.2 (2.3%)	-0.1 (-0.2%)	1.1 (2.2%)	-0.2 (-0.4%)
	C	1.5 (2.8%)	0.3 (0.5%)	1.5 (3%)	0.4 (0.7%)
	All	1.2 (2.5%)	0 (0.1%)	1.2 (2.4%)	0 (0%)
APR	W	0.6 (1.1%)	0 (0.1%)	0.3 (0.6%)	-0.2 (-0.4%)
	AN	0.6 (1.2%)	0.1 (0.1%)	0 (0%)	-0.6 (-1.1%)
	BN	0.5 (0.9%)	0 (-0.1%)	-0.2 (-0.4%)	-0.7 (-1.4%)
	D	0.6 (1.1%)	-0.1 (-0.2%)	0.6 (1.1%)	-0.1 (-0.2%)
	C	1 (2%)	-0.1 (-0.1%)	1.2 (2.4%)	0.1 (0.2%)
	All	0.6 (1.2%)	0 (0%)	0.4 (0.7%)	-0.3 (-0.5%)
MAY	W	0.3 (0.6%)	0 (0%)	-0.1 (-0.3%)	-0.5 (-0.8%)
	AN	0.1 (0.2%)	-0.3 (-0.5%)	-0.6 (-1.1%)	-1 (-1.8%)
	BN	0.2 (0.4%)	-0.1 (-0.1%)	-0.4 (-0.7%)	-0.7 (-1.2%)
	D	0.2 (0.3%)	0 (0%)	0.1 (0.2%)	-0.1 (-0.1%)
	C	0.4 (0.8%)	0.1 (0.2%)	0.4 (0.7%)	0.1 (0.2%)
	All	0.3 (0.5%)	0 (-0.1%)	-0.1 (-0.2%)	-0.4 (-0.7%)
JUN	W	0.1 (0.2%)	-0.4 (-0.7%)	0.8 (1.4%)	0.2 (0.4%)
	AN	-0.2 (-0.3%)	-0.5 (-0.8%)	0.3 (0.5%)	0 (0%)
	BN	-0.5 (-0.9%)	-0.7 (-1.2%)	0 (-0.1%)	-0.2 (-0.3%)
	D	0 (0%)	-0.2 (-0.3%)	0.2 (0.3%)	0 (0%)
	C	0.4 (0.7%)	0.1 (0.2%)	0.5 (0.8%)	0.1 (0.2%)
	All	0 (0%)	-0.3 (-0.6%)	0.4 (0.7%)	0.1 (0.1%)
JUL	W	0.1 (0.2%)	0.1 (0.1%)	0.3 (0.5%)	0.3 (0.4%)
	AN	0.1 (0.1%)	0 (0%)	0.6 (1.1%)	0.6 (0.9%)
	BN	0.3 (0.4%)	0.1 (0.1%)	0.5 (0.8%)	0.3 (0.5%)
	D	0.6 (0.9%)	0.3 (0.5%)	0.8 (1.4%)	0.6 (0.9%)
	C	1.5 (2.5%)	0.7 (1.1%)	1.3 (2.2%)	0.5 (0.8%)
	All	0.4 (0.7%)	0.2 (0.3%)	0.7 (1.1%)	0.4 (0.7%)
AUG	W	-0.1 (-0.1%)	0.3 (0.5%)	0.5 (0.8%)	0.9 (1.4%)
	AN	0.2 (0.3%)	0.2 (0.3%)	1 (1.6%)	1 (1.6%)
	BN	0.4 (0.7%)	0.2 (0.2%)	1 (1.6%)	0.7 (1.2%)
	D	1 (1.6%)	0.2 (0.3%)	1.3 (2.2%)	0.5 (0.9%)
	C	0.3 (0.5%)	-0.9 (-1.4%)	-0.7 (-1.2%)	-1.9 (-3%)
	All	0.3 (0.5%)	0.1 (0.1%)	0.6 (1.1%)	0.4 (0.6%)

Alternative 4A_ELT: Feather River at Fish Barrier Dam					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
SEP	W	-1.1 (-2%)	0.2 (0.4%)	-0.4 (-0.7%)	1 (1.7%)
	AN	-0.8 (-1.4%)	0.3 (0.6%)	0.4 (0.8%)	1.6 (2.9%)
	BN	0.8 (1.4%)	0.8 (1.5%)	2.9 (5.3%)	3 (5.4%)
	D	1.6 (2.9%)	0.1 (0.2%)	1.3 (2.3%)	-0.2 (-0.4%)
	C	0.5 (0.8%)	-0.3 (-0.5%)	-1.2 (-2%)	-1.9 (-3.3%)
	All	0.1 (0.2%)	0.2 (0.4%)	0.6 (1%)	0.7 (1.3%)
OCT	W	0.6 (1%)	-0.1 (-0.2%)	1.9 (3.6%)	1.3 (2.4%)
	AN	0.6 (1.1%)	0.1 (0.1%)	1.4 (2.6%)	0.9 (1.7%)
	BN	0.8 (1.5%)	-0.2 (-0.4%)	2 (3.6%)	0.9 (1.6%)
	D	0.8 (1.6%)	-0.8 (-1.5%)	2.8 (5.2%)	1.1 (2%)
	C	0.7 (1.2%)	-0.5 (-0.8%)	0.1 (0.3%)	-1 (-1.7%)
	All	0.7 (1.3%)	-0.3 (-0.6%)	1.8 (3.3%)	0.8 (1.5%)
NOV	W	1.1 (2%)	0 (0%)	1.7 (3.3%)	0.7 (1.3%)
	AN	1.3 (2.4%)	0.1 (0.1%)	1.8 (3.5%)	0.6 (1.1%)
	BN	0.9 (1.7%)	-0.1 (-0.1%)	1.8 (3.5%)	0.9 (1.6%)
	D	2.2 (4.2%)	0.3 (0.6%)	2.3 (4.3%)	0.4 (0.7%)
	C	1 (1.8%)	-0.1 (-0.2%)	0.1 (0.2%)	-1 (-1.8%)
	All	1.3 (2.5%)	0.1 (0.1%)	1.6 (3.1%)	0.4 (0.7%)
DEC	W	1.8 (3.6%)	-0.1 (-0.2%)	1.8 (3.8%)	0 (-0.1%)
	AN	1.8 (3.7%)	-0.2 (-0.3%)	2.3 (4.7%)	0.3 (0.6%)
	BN	2.5 (5.2%)	0.4 (0.9%)	2.1 (4.3%)	0 (0%)
	D	2.5 (5%)	0 (0.1%)	2.3 (4.6%)	-0.2 (-0.3%)
	C	2.2 (4.5%)	0.6 (1.1%)	0.9 (1.9%)	-0.7 (-1.4%)
	All	2.1 (4.3%)	0.1 (0.2%)	1.9 (3.9%)	-0.1 (-0.2%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.10.10 Feather River Low-Flow Channel (above Thermalito Afterbay)

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4A_ELT Model Scenarios in the Feather River Low-Flow Channel (above Thermalito Afterbay), Year-Round

Alternative 4A_ELT: Feather River Low-Flow Channel (above Thermalito Afterbay)					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
JAN	W	47	49	49	49
	AN	47	49	49	49
	BN	47	49	48	48
	D	47	49	48	48
	C	47	49	49	49
	All	47	49	49	49
FEB	W	49	50	50	50
	AN	49	50	50	50
	BN	49	50	50	50
	D	49	51	51	51
	C	50	51	51	51
	All	49	50	50	50
MAR	W	50	51	51	51
	AN	51	52	52	52
	BN	51	53	53	53
	D	52	54	54	53
	C	53	54	54	54
	All	51	53	53	53
APR	W	53	54	54	54
	AN	55	55	55	55
	BN	55	56	56	55
	D	55	56	56	56
	C	55	56	56	56
	All	55	55	55	55
MAY	W	59	60	60	60
	AN	60	61	61	61
	BN	60	61	61	60
	D	60	61	61	61
	C	60	61	61	61
	All	60	61	61	60
JUN	W	63	64	64	64
	AN	64	65	65	65
	BN	64	65	64	65
	D	64	65	65	65
	C	63	64	64	64
	All	64	65	64	65
JUL	W	68	68	68	69
	AN	67	68	68	68
	BN	67	68	68	68
	D	67	68	68	68
	C	67	69	69	69
	All	67	68	68	68
AUG	W	66	67	67	67
	AN	65	66	66	67
	BN	66	67	67	67
	D	65	67	67	67
	C	67	68	68	67
	All	66	67	67	67

Alternative 4A_ELT: Feather River Low-Flow Channel (above Thermalito Afterbay)					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
SEP	W	60	60	60	60
	AN	60	60	60	61
	BN	60	61	61	63
	D	60	61	62	61
	C	61	62	62	61
	All	60	61	61	61
OCT	W	55	56	56	57
	AN	57	57	57	58
	BN	56	57	57	58
	D	56	57	57	58
	C	56	57	57	57
	All	56	57	57	58
NOV	W	52	53	53	54
	AN	53	55	55	55
	BN	53	54	54	55
	D	53	54	55	55
	C	53	54	54	53
	All	53	54	54	54
DEC	W	48	50	50	50
	AN	49	50	50	51
	BN	48	50	50	50
	D	48	50	50	50
	C	48	50	50	49
	All	48	50	50	50

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River Low-Flow Channel (above Thermalito Afterbay), Year-Round

Alternative 4A_ELT: Feather River Low-Flow Channel (above Thermalito Afterbay)					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
JAN	W	1.3 (2.8%)	0 (0%)	1.4 (2.9%)	0.1 (0.1%)
	AN	1.5 (3.1%)	-0.1 (-0.2%)	1.6 (3.4%)	0 (0%)
	BN	1.2 (2.6%)	-0.1 (-0.3%)	1.2 (2.6%)	-0.1 (-0.3%)
	D	1.5 (3.3%)	-0.1 (-0.3%)	1.6 (3.5%)	0 (-0.1%)
	C	1.7 (3.7%)	0.1 (0.2%)	1.6 (3.3%)	-0.1 (-0.1%)
	All	1.4 (3%)	-0.1 (-0.1%)	1.5 (3.1%)	0 (0%)
FEB	W	1.2 (2.5%)	0 (0.1%)	1.2 (2.5%)	0.1 (0.1%)
	AN	1.3 (2.7%)	0 (0%)	1.4 (2.9%)	0.1 (0.1%)
	BN	1.4 (2.9%)	-0.1 (-0.1%)	1.5 (3.1%)	0 (0.1%)
	D	1.5 (3%)	0 (0%)	1.4 (2.9%)	0 (-0.1%)
	C	1.6 (3.3%)	0 (-0.1%)	1.6 (3.3%)	0 (0%)
	All	1.4 (2.8%)	0 (0%)	1.4 (2.9%)	0 (0.1%)
MAR	W	1 (2.1%)	0.1 (0.1%)	1 (2%)	0 (0.1%)
	AN	0.9 (1.8%)	0 (0%)	1 (2%)	0.1 (0.2%)
	BN	1.5 (3%)	0.1 (0.1%)	1.3 (2.5%)	-0.2 (-0.3%)
	D	1.2 (2.2%)	-0.1 (-0.2%)	1.1 (2.1%)	-0.2 (-0.3%)
	C	1.4 (2.6%)	0.2 (0.3%)	1.4 (2.7%)	0.2 (0.5%)
	All	1.2 (2.3%)	0 (0.1%)	1.2 (2.2%)	0 (0%)
APR	W	0.7 (1.2%)	0 (0.1%)	0.5 (0.9%)	-0.2 (-0.3%)
	AN	0.7 (1.3%)	0 (0.1%)	0.3 (0.5%)	-0.4 (-0.7%)
	BN	0.6 (1.1%)	0 (0%)	0.1 (0.2%)	-0.5 (-0.9%)
	D	0.8 (1.4%)	-0.1 (-0.1%)	0.7 (1.3%)	-0.1 (-0.2%)
	C	1 (1.8%)	-0.1 (-0.1%)	1.2 (2.1%)	0.1 (0.1%)
	All	0.7 (1.3%)	0 (0%)	0.5 (1%)	-0.2 (-0.4%)
MAY	W	0.8 (1.3%)	0 (0%)	0.5 (0.8%)	-0.3 (-0.5%)
	AN	0.6 (1.1%)	-0.2 (-0.3%)	0.1 (0.2%)	-0.7 (-1.1%)
	BN	0.7 (1.2%)	0 (-0.1%)	0.3 (0.5%)	-0.5 (-0.8%)
	D	0.7 (1.2%)	0 (0%)	0.7 (1.2%)	0 (-0.1%)
	C	0.9 (1.5%)	0.1 (0.1%)	0.9 (1.4%)	0.1 (0.1%)
	All	0.8 (1.3%)	0 (0%)	0.5 (0.8%)	-0.3 (-0.4%)
JUN	W	0.7 (1.2%)	-0.3 (-0.4%)	1.2 (1.9%)	0.2 (0.2%)
	AN	0.6 (1%)	-0.3 (-0.5%)	0.9 (1.5%)	0 (0%)
	BN	0.4 (0.7%)	-0.4 (-0.7%)	0.7 (1.2%)	-0.1 (-0.2%)
	D	0.8 (1.2%)	-0.1 (-0.2%)	0.9 (1.4%)	0 (0%)
	C	0.9 (1.5%)	0.1 (0.2%)	1 (1.5%)	0.1 (0.2%)
	All	0.7 (1.1%)	-0.2 (-0.3%)	1 (1.5%)	0 (0.1%)
JUL	W	0.8 (1.2%)	0 (0%)	1 (1.5%)	0.2 (0.3%)
	AN	0.9 (1.3%)	0 (0%)	1.2 (1.8%)	0.3 (0.5%)
	BN	1 (1.4%)	0 (0.1%)	1.1 (1.7%)	0.2 (0.3%)
	D	1.2 (1.7%)	0.2 (0.3%)	1.3 (2%)	0.4 (0.5%)
	C	1.9 (2.8%)	0.4 (0.6%)	1.7 (2.6%)	0.3 (0.4%)
	All	1.1 (1.6%)	0.1 (0.2%)	1.2 (1.8%)	0.3 (0.4%)
AUG	W	0.7 (1.1%)	0.2 (0.3%)	1.1 (1.6%)	0.6 (0.9%)
	AN	0.9 (1.3%)	0.1 (0.2%)	1.4 (2.1%)	0.6 (1%)
	BN	1.1 (1.6%)	0.1 (0.1%)	1.4 (2.2%)	0.5 (0.7%)
	D	1.4 (2.2%)	0.1 (0.2%)	1.7 (2.5%)	0.4 (0.5%)
	C	1 (1.5%)	-0.6 (-0.9%)	0.3 (0.5%)	-1.3 (-1.8%)
	All	1 (1.5%)	0 (0%)	1.2 (1.8%)	0.2 (0.4%)

Alternative 4A_ELT: Feather River Low-Flow Channel (above Thermalito Afterbay)					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
SEP	W	-0.3 (-0.5%)	0.1 (0.2%)	0.2 (0.4%)	0.7 (1.2%)
	AN	-0.1 (-0.2%)	0.3 (0.4%)	0.8 (1.4%)	1.2 (2%)
	BN	1 (1.7%)	0.6 (1%)	2.6 (4.4%)	2.2 (3.6%)
	D	1.7 (2.9%)	0.1 (0.2%)	1.5 (2.4%)	-0.2 (-0.3%)
	C	0.8 (1.3%)	-0.2 (-0.3%)	-0.4 (-0.7%)	-1.4 (-2.3%)
	All	0.6 (0.9%)	0.2 (0.3%)	0.9 (1.5%)	0.5 (0.9%)
OCT	W	0.8 (1.4%)	-0.1 (-0.1%)	1.9 (3.4%)	1 (1.8%)
	AN	0.8 (1.4%)	0.1 (0.1%)	1.5 (2.6%)	0.8 (1.3%)
	BN	1 (1.8%)	-0.2 (-0.3%)	1.9 (3.4%)	0.7 (1.2%)
	D	1 (1.8%)	-0.6 (-1.1%)	2.5 (4.5%)	0.9 (1.6%)
	C	0.9 (1.6%)	-0.3 (-0.6%)	0.5 (0.9%)	-0.7 (-1.3%)
	All	0.9 (1.6%)	-0.2 (-0.4%)	1.8 (3.2%)	0.6 (1.1%)
NOV	W	1.1 (2.1%)	0 (0%)	1.7 (3.2%)	0.6 (1.1%)
	AN	1.3 (2.4%)	0 (0.1%)	1.7 (3.3%)	0.5 (0.9%)
	BN	1 (1.8%)	0 (-0.1%)	1.7 (3.3%)	0.8 (1.4%)
	D	2.1 (3.9%)	0.3 (0.5%)	2.1 (4%)	0.3 (0.6%)
	C	1 (1.9%)	-0.1 (-0.2%)	0.3 (0.6%)	-0.8 (-1.5%)
	All	1.3 (2.5%)	0.1 (0.1%)	1.6 (3%)	0.3 (0.6%)
DEC	W	1.7 (3.5%)	-0.1 (-0.2%)	1.8 (3.6%)	0 (-0.1%)
	AN	1.7 (3.5%)	-0.1 (-0.3%)	2.1 (4.3%)	0.3 (0.5%)
	BN	2.3 (4.7%)	0.4 (0.7%)	1.9 (3.9%)	0 (0%)
	D	2.2 (4.7%)	0 (0%)	2.1 (4.3%)	-0.2 (-0.3%)
	C	2 (4.2%)	0.5 (1%)	0.9 (2%)	-0.6 (-1.2%)
	All	2 (4.1%)	0.1 (0.2%)	1.8 (3.7%)	-0.1 (-0.2%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.10.11 Feather River High-Flow Channel (below Thermalito Afterbay)

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4A_ELT Model Scenarios in the Feather River High-Flow Channel (below Thermalito Afterbay), Year-Round

Alternative 4A_ELT: Feather River High-Flow Channel (below Thermalito Afterbay)					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
JAN	W	47	48	48	48
	AN	47	48	48	48
	BN	46	48	47	48
	D	46	47	47	47
	C	46	48	48	48
	All	47	48	48	48
FEB	W	49	50	50	50
	AN	49	51	51	51
	BN	49	51	51	51
	D	50	51	51	51
	C	51	52	52	52
	All	50	51	51	51
MAR	W	51	52	52	52
	AN	52	53	53	53
	BN	53	55	55	55
	D	54	55	56	56
	C	54	55	55	55
	All	53	54	54	54
APR	W	55	56	56	55
	AN	57	58	58	57
	BN	58	58	58	56
	D	57	58	59	58
	C	57	58	58	58
	All	57	57	57	57
MAY	W	61	62	62	61
	AN	63	64	63	62
	BN	63	64	64	63
	D	63	64	64	64
	C	63	65	65	65
	All	62	63	63	63
JUN	W	66	67	66	67
	AN	67	69	67	69
	BN	67	69	66	68
	D	68	69	69	69
	C	68	69	69	69
	All	67	68	67	68
JUL	W	70	70	70	71
	AN	68	68	68	71
	BN	68	69	69	70
	D	68	69	70	71
	C	70	72	74	74
	All	69	70	70	71
AUG	W	70	70	70	71
	AN	67	68	69	70
	BN	68	69	70	70
	D	67	69	71	71
	C	70	72	71	72
	All	69	70	70	71

Alternative 4A_ELT: Feather River High-Flow Channel (below Thermalito Afterbay)					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
SEP	W	64	62	63	63
	AN	64	62	64	65
	BN	65	66	65	66
	D	64	65	64	64
	C	64	66	66	66
	All	64	64	64	65
OCT	W	58	60	60	60
	AN	60	61	61	61
	BN	59	61	60	61
	D	58	60	59	60
	C	59	60	60	60
	All	59	60	60	61
NOV	W	53	54	54	54
	AN	54	55	55	55
	BN	53	54	54	55
	D	53	54	54	54
	C	53	55	55	54
	All	53	54	54	54
DEC	W	48	49	49	49
	AN	48	49	49	49
	BN	47	48	49	48
	D	47	49	49	49
	C	47	48	48	47
	All	47	49	49	49

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River High-Flow Channel (below Thermalito Afterbay), Year-Round

Alternative 4A_ELT: Feather River High-Flow Channel (below Thermalito Afterbay)					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
JAN	W	1.2 (2.6%)	0 (-0.1%)	1.3 (2.8%)	0 (0.1%)
	AN	1.3 (2.8%)	-0.1 (-0.2%)	1.4 (3.1%)	0.1 (0.2%)
	BN	1.1 (2.4%)	-0.2 (-0.4%)	1.4 (3%)	0 (0.1%)
	D	1.4 (3%)	0.1 (0.2%)	1.4 (3.1%)	0.1 (0.3%)
	C	1.5 (3.1%)	-0.1 (-0.2%)	1.3 (2.8%)	-0.3 (-0.5%)
	All	1.3 (2.8%)	-0.1 (-0.1%)	1.4 (2.9%)	0 (0%)
FEB	W	1.2 (2.5%)	0 (0%)	1.3 (2.7%)	0.1 (0.3%)
	AN	1.4 (2.8%)	-0.2 (-0.4%)	1.6 (3.3%)	0 (0.1%)
	BN	1.6 (3.3%)	0.1 (0.1%)	1.6 (3.2%)	0 (0.1%)
	D	1.4 (2.9%)	0 (0.1%)	1.4 (2.7%)	0 (-0.1%)
	C	1.5 (3%)	0 (0%)	1.6 (3.2%)	0.1 (0.2%)
	All	1.4 (2.8%)	0 (0%)	1.5 (3%)	0.1 (0.1%)
MAR	W	1 (1.9%)	0.1 (0.1%)	1 (1.9%)	0.1 (0.2%)
	AN	0.4 (0.7%)	0 (0.1%)	0.4 (0.7%)	0 (0%)
	BN	1.5 (2.9%)	0.2 (0.4%)	1.4 (2.7%)	0.1 (0.2%)
	D	1.3 (2.4%)	0.1 (0.2%)	1.3 (2.4%)	0.1 (0.1%)
	C	1.6 (3%)	0.2 (0.4%)	1.4 (2.7%)	0.1 (0.1%)
	All	1.2 (2.2%)	0.1 (0.2%)	1.1 (2.1%)	0.1 (0.1%)
APR	W	0.7 (1.3%)	0 (0%)	-0.2 (-0.4%)	-0.9 (-1.7%)
	AN	0.9 (1.5%)	0 (0%)	-0.4 (-0.8%)	-1.3 (-2.2%)
	BN	0.5 (0.8%)	0 (0%)	-1.2 (-2.1%)	-1.7 (-2.9%)
	D	1.3 (2.3%)	0.3 (0.4%)	1 (1.7%)	-0.1 (-0.1%)
	C	1.3 (2.2%)	0.1 (0.3%)	1.3 (2.3%)	0.2 (0.3%)
	All	0.9 (1.6%)	0.1 (0.1%)	0.1 (0.1%)	-0.8 (-1.3%)
MAY	W	1.3 (2.2%)	0 (0%)	0.2 (0.3%)	-1.2 (-1.9%)
	AN	0.5 (0.8%)	-0.4 (-0.6%)	-0.9 (-1.5%)	-1.8 (-2.9%)
	BN	1.1 (1.7%)	-0.1 (-0.1%)	0 (0.1%)	-1.1 (-1.7%)
	D	1.4 (2.3%)	-0.1 (-0.1%)	1.2 (1.9%)	-0.3 (-0.5%)
	C	1.4 (2.3%)	-0.1 (-0.1%)	1.4 (2.3%)	-0.1 (-0.1%)
	All	1.2 (2%)	-0.1 (-0.1%)	0.4 (0.7%)	-0.9 (-1.4%)
JUN	W	0.5 (0.8%)	-1.1 (-1.7%)	1.3 (1.9%)	-0.4 (-0.6%)
	AN	-0.4 (-0.6%)	-1.9 (-2.7%)	1.2 (1.7%)	-0.3 (-0.4%)
	BN	-1.2 (-1.7%)	-2.4 (-3.5%)	0.3 (0.5%)	-0.9 (-1.3%)
	D	0.5 (0.8%)	-0.9 (-1.3%)	1.3 (1.8%)	-0.2 (-0.3%)
	C	1.7 (2.5%)	0.1 (0.1%)	1.7 (2.5%)	0.1 (0.1%)
	All	0.3 (0.4%)	-1.2 (-1.8%)	1.1 (1.7%)	-0.4 (-0.5%)
JUL	W	0.3 (0.4%)	0.3 (0.4%)	1.3 (1.9%)	1.3 (1.8%)
	AN	0.4 (0.6%)	-0.1 (-0.1%)	2.6 (3.8%)	2.1 (3%)
	BN	1.3 (1.9%)	0.3 (0.4%)	2.2 (3.2%)	1.2 (1.7%)
	D	2.4 (3.6%)	1.1 (1.6%)	3.1 (4.5%)	1.8 (2.5%)
	C	4.5 (6.5%)	2.5 (3.5%)	4 (5.8%)	2.1 (2.9%)
	All	1.6 (2.3%)	0.7 (1.1%)	2.4 (3.5%)	1.6 (2.3%)
AUG	W	0.3 (0.4%)	0.3 (0.4%)	1.5 (2.2%)	1.5 (2.1%)
	AN	1.3 (1.9%)	0.6 (0.9%)	2.4 (3.6%)	1.7 (2.5%)
	BN	1.8 (2.6%)	0.5 (0.8%)	2.4 (3.5%)	1.1 (1.6%)
	D	3.6 (5.3%)	1.5 (2.2%)	3.4 (5.1%)	1.4 (2%)
	C	1.5 (2.2%)	-0.7 (-0.9%)	2.1 (3%)	-0.1 (-0.2%)
	All	1.6 (2.3%)	0.5 (0.7%)	2.3 (3.3%)	1.2 (1.7%)

Alternative 4A_ELT: Feather River High-Flow Channel (below Thermalito Afterbay)					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
SEP	W	-1 (-1.6%)	1.2 (1.9%)	-0.3 (-0.4%)	1.9 (3.1%)
	AN	-0.4 (-0.6%)	1.5 (2.4%)	0.7 (1.2%)	2.6 (4.1%)
	BN	-0.1 (-0.1%)	-1.1 (-1.6%)	0.9 (1.4%)	-0.1 (-0.2%)
	D	0.2 (0.4%)	-0.2 (-0.4%)	-0.1 (-0.1%)	-0.5 (-0.8%)
	C	2 (3%)	0.3 (0.5%)	2.2 (3.3%)	0.5 (0.8%)
	All	0 (-0.1%)	0.4 (0.6%)	0.5 (0.7%)	0.9 (1.4%)
OCT	W	1.2 (2%)	-0.1 (-0.2%)	1.8 (3.1%)	0.5 (0.9%)
	AN	1 (1.7%)	0 (-0.1%)	1.4 (2.3%)	0.3 (0.5%)
	BN	1 (1.7%)	-0.2 (-0.4%)	1.9 (3.2%)	0.6 (1%)
	D	1.2 (2%)	-0.2 (-0.3%)	1.9 (3.3%)	0.6 (0.9%)
	C	1.5 (2.5%)	0.1 (0.2%)	1.6 (2.7%)	0.3 (0.4%)
	All	1.2 (2%)	-0.1 (-0.2%)	1.8 (3%)	0.5 (0.8%)
NOV	W	1.2 (2.2%)	0 (0.1%)	1.5 (2.8%)	0.3 (0.6%)
	AN	1.4 (2.6%)	0 (0%)	1.5 (2.8%)	0.2 (0.3%)
	BN	1.1 (2.1%)	0 (0%)	1.5 (2.8%)	0.3 (0.6%)
	D	1.7 (3.2%)	0.1 (0.1%)	1.6 (3.1%)	0 (0%)
	C	1.2 (2.2%)	0 (0%)	0.8 (1.6%)	-0.3 (-0.6%)
	All	1.3 (2.5%)	0 (0.1%)	1.4 (2.7%)	0.1 (0.2%)
DEC	W	1.4 (2.9%)	-0.1 (-0.2%)	1.4 (3%)	0 (-0.1%)
	AN	1.6 (3.3%)	-0.1 (-0.2%)	1.9 (3.9%)	0.2 (0.4%)
	BN	1.8 (3.8%)	0.2 (0.5%)	1.4 (3.1%)	-0.1 (-0.2%)
	D	1.9 (4.1%)	0.1 (0.3%)	1.7 (3.6%)	-0.1 (-0.2%)
	C	1.3 (2.7%)	-0.1 (-0.3%)	0.9 (1.8%)	-0.5 (-1.1%)
	All	1.6 (3.4%)	0 (0%)	1.5 (3.1%)	-0.1 (-0.2%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.10.12 Feather River at Gridley Dam

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4A_ELT Model Scenarios in the Feather River at Gridley Dam, Year-Round

Alternative 4A_ELT: Feather River at Gridley Dam					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
JAN	W	47	48	48	48
	AN	47	48	48	48
	BN	46	47	47	48
	D	46	47	47	47
	C	46	48	48	47
	All	46	48	48	48
FEB	W	49	50	50	50
	AN	49	51	51	51
	BN	50	51	51	51
	D	50	52	52	52
	C	51	52	52	53
	All	50	51	51	51
MAR	W	51	52	52	52
	AN	53	53	53	53
	BN	54	55	55	55
	D	55	56	56	56
	C	54	56	56	56
	All	53	54	54	54
APR	W	56	56	56	55
	AN	58	59	59	57
	BN	59	59	59	57
	D	59	60	60	60
	C	58	59	60	60
	All	58	58	58	57
MAY	W	61	63	63	61
	AN	64	65	64	63
	BN	64	65	65	64
	D	64	66	65	65
	C	64	66	66	66
	All	63	65	65	64
JUN	W	67	68	67	68
	AN	69	70	68	70
	BN	69	70	67	69
	D	69	71	70	70
	C	69	70	70	70
	All	68	70	68	69
JUL	W	70	71	71	72
	AN	69	69	69	71
	BN	69	70	70	71
	D	69	70	71	72
	C	71	73	75	75
	All	70	71	71	72
AUG	W	71	71	71	73
	AN	68	69	69	71
	BN	69	70	71	72
	D	68	70	72	72
	C	71	73	73	73
	All	69	71	71	72

Alternative 4A_ELT: Feather River at Gridley Dam					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
SEP	W	65	62	64	64
	AN	65	63	64	66
	BN	66	67	66	67
	D	65	66	66	66
	C	66	67	67	67
	All	65	65	65	66
OCT	W	59	60	60	61
	AN	60	61	61	61
	BN	60	61	61	62
	D	59	60	60	61
	C	59	61	61	61
	All	59	61	60	61
NOV	W	53	54	54	54
	AN	54	55	55	55
	BN	53	54	54	55
	D	53	54	54	54
	C	54	55	55	54
	All	53	54	54	54
DEC	W	48	49	49	49
	AN	47	49	49	49
	BN	47	48	48	48
	D	47	48	49	48
	C	46	48	48	47
	All	47	49	49	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Gridley Dam, Year-Round

Alternative 4A_ELT: Feather River at Gridley Dam					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
JAN	W	1.2 (2.6%)	-0.1 (-0.1%)	1.3 (2.7%)	0 (0.1%)
	AN	1.3 (2.8%)	-0.1 (-0.2%)	1.4 (3%)	0.1 (0.1%)
	BN	1.1 (2.4%)	-0.2 (-0.5%)	1.3 (2.9%)	0 (0%)
	D	1.3 (2.9%)	0.1 (0.1%)	1.4 (3%)	0.1 (0.2%)
	C	1.5 (3.2%)	-0.1 (-0.2%)	1.3 (2.8%)	-0.2 (-0.5%)
	All	1.3 (2.7%)	-0.1 (-0.1%)	1.3 (2.9%)	0 (0%)
FEB	W	1.2 (2.5%)	0 (0%)	1.3 (2.7%)	0.1 (0.3%)
	AN	1.4 (2.9%)	-0.2 (-0.4%)	1.6 (3.3%)	0 (0%)
	BN	1.7 (3.3%)	0.1 (0.1%)	1.6 (3.3%)	0 (0.1%)
	D	1.4 (2.9%)	0 (0.1%)	1.4 (2.7%)	0 (-0.1%)
	C	1.5 (3%)	0 (0%)	1.5 (3%)	0 (0.1%)
	All	1.4 (2.8%)	0 (0%)	1.5 (2.9%)	0 (0.1%)
MAR	W	0.9 (1.8%)	0.1 (0.1%)	1 (1.9%)	0.1 (0.2%)
	AN	0.4 (0.8%)	0.1 (0.1%)	0.4 (0.7%)	0 (0%)
	BN	1.6 (2.9%)	0.2 (0.4%)	1.4 (2.6%)	0 (0.1%)
	D	1.3 (2.3%)	0.1 (0.1%)	1.2 (2.3%)	0 (0.1%)
	C	1.5 (2.7%)	0.2 (0.3%)	1.3 (2.5%)	0.1 (0.1%)
	All	1.1 (2.1%)	0.1 (0.2%)	1.1 (2%)	0.1 (0.1%)
APR	W	0.7 (1.3%)	0 (0%)	-0.3 (-0.6%)	-1 (-1.8%)
	AN	0.9 (1.5%)	0 (0%)	-0.7 (-1.2%)	-1.6 (-2.7%)
	BN	0.6 (1%)	0 (0%)	-1.5 (-2.6%)	-2.1 (-3.6%)
	D	1.1 (2%)	0.1 (0.2%)	0.9 (1.6%)	-0.1 (-0.2%)
	C	1.1 (1.9%)	0 (0.1%)	1.2 (2%)	0.1 (0.2%)
	All	0.9 (1.5%)	0 (0.1%)	-0.1 (-0.1%)	-0.9 (-1.6%)
MAY	W	1.5 (2.4%)	0 (0%)	0.1 (0.2%)	-1.4 (-2.2%)
	AN	0.5 (0.8%)	-0.5 (-0.8%)	-1.2 (-1.9%)	-2.3 (-3.5%)
	BN	1.1 (1.7%)	-0.1 (-0.1%)	-0.2 (-0.3%)	-1.4 (-2.1%)
	D	1.3 (2.1%)	-0.1 (-0.2%)	1.1 (1.8%)	-0.3 (-0.5%)
	C	1.5 (2.2%)	0 (0%)	1.4 (2.2%)	0 (0%)
	All	1.3 (2%)	-0.1 (-0.2%)	0.3 (0.5%)	-1.1 (-1.6%)
JUN	W	0.6 (1%)	-1.3 (-1.9%)	1.8 (2.7%)	-0.1 (-0.2%)
	AN	-0.5 (-0.7%)	-2 (-2.9%)	1.3 (1.9%)	-0.2 (-0.3%)
	BN	-1.4 (-2.1%)	-2.6 (-3.8%)	0.3 (0.4%)	-0.9 (-1.3%)
	D	0.5 (0.7%)	-0.9 (-1.3%)	1.2 (1.8%)	-0.2 (-0.2%)
	C	1.7 (2.5%)	0.1 (0.2%)	1.7 (2.5%)	0.1 (0.2%)
	All	0.3 (0.4%)	-1.3 (-1.9%)	1.3 (1.9%)	-0.3 (-0.4%)
JUL	W	0.4 (0.6%)	0.3 (0.4%)	1.4 (2.1%)	1.3 (1.9%)
	AN	0.5 (0.7%)	-0.1 (-0.1%)	2.8 (4.1%)	2.2 (3.2%)
	BN	1.4 (2%)	0.3 (0.5%)	2.4 (3.4%)	1.3 (1.8%)
	D	2.6 (3.7%)	1.2 (1.7%)	3.3 (4.8%)	1.9 (2.7%)
	C	4.7 (6.6%)	2.6 (3.6%)	4.1 (5.8%)	2 (2.8%)
	All	1.7 (2.4%)	0.8 (1.1%)	2.6 (3.7%)	1.7 (2.4%)
AUG	W	0.3 (0.4%)	0.4 (0.5%)	1.7 (2.4%)	1.8 (2.5%)
	AN	1.3 (1.9%)	0.6 (0.9%)	2.7 (3.9%)	2 (2.9%)
	BN	1.9 (2.7%)	0.5 (0.7%)	2.6 (3.8%)	1.3 (1.9%)
	D	3.8 (5.6%)	1.6 (2.3%)	3.9 (5.7%)	1.7 (2.4%)
	C	1.6 (2.3%)	-0.6 (-0.8%)	1.7 (2.4%)	-0.5 (-0.7%)
	All	1.7 (2.4%)	0.6 (0.8%)	2.5 (3.6%)	1.4 (1.9%)

Alternative 4A_ELT: Feather River at Gridley Dam					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
SEP	W	-1.5 (-2.4%)	1.2 (1.9%)	-0.8 (-1.2%)	1.9 (3.1%)
	AN	-0.7 (-1.1%)	1.5 (2.4%)	0.4 (0.7%)	2.7 (4.2%)
	BN	0.5 (0.7%)	-0.4 (-0.6%)	1.4 (2.1%)	0.5 (0.8%)
	D	0.9 (1.4%)	-0.1 (-0.2%)	0.7 (1.1%)	-0.3 (-0.5%)
	C	1.8 (2.8%)	0.2 (0.4%)	1.8 (2.8%)	0.2 (0.4%)
	All	0 (-0.1%)	0.5 (0.8%)	0.5 (0.7%)	1 (1.6%)
OCT	W	1.2 (2%)	-0.1 (-0.2%)	1.8 (3.1%)	0.5 (0.8%)
	AN	1 (1.7%)	-0.1 (-0.1%)	1.4 (2.3%)	0.3 (0.5%)
	BN	1.1 (1.9%)	-0.2 (-0.3%)	1.9 (3.2%)	0.6 (0.9%)
	D	1.1 (1.9%)	-0.2 (-0.4%)	1.9 (3.2%)	0.5 (0.8%)
	C	1.5 (2.5%)	0 (0.1%)	1.5 (2.6%)	0.1 (0.2%)
	All	1.2 (2%)	-0.1 (-0.2%)	1.7 (3%)	0.4 (0.7%)
NOV	W	1.2 (2.2%)	0 (0%)	1.4 (2.7%)	0.3 (0.5%)
	AN	1.3 (2.5%)	0 (0.1%)	1.5 (2.8%)	0.2 (0.3%)
	BN	1.1 (2.1%)	0 (0%)	1.5 (2.7%)	0.3 (0.6%)
	D	1.7 (3.2%)	0.1 (0.1%)	1.6 (3%)	0 (0%)
	C	1.2 (2.3%)	0 (0%)	0.9 (1.6%)	-0.3 (-0.6%)
	All	1.3 (2.4%)	0 (0%)	1.4 (2.6%)	0.1 (0.2%)
DEC	W	1.4 (2.9%)	-0.1 (-0.2%)	1.4 (3%)	0 (-0.1%)
	AN	1.5 (3.3%)	-0.1 (-0.2%)	1.8 (3.8%)	0.2 (0.3%)
	BN	1.7 (3.7%)	0.2 (0.4%)	1.4 (3%)	-0.1 (-0.3%)
	D	1.9 (4%)	0.1 (0.3%)	1.7 (3.6%)	-0.1 (-0.1%)
	C	1.3 (2.7%)	-0.1 (-0.3%)	0.9 (1.9%)	-0.5 (-1%)
	All	1.5 (3.3%)	0 (0%)	1.4 (3.1%)	-0.1 (-0.2%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.10.13 Feather River at Honcut Creek

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4A_ELT Model Scenarios in the Feather River at Honcut Creek, Year-Round

Alternative 4A_ELT: Feather River at Honcut Creek					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
JAN	W	47	48	48	48
	AN	46	48	48	48
	BN	46	47	47	47
	D	45	47	47	47
	C	46	48	47	47
	All	46	48	48	48
FEB	W	49	50	50	50
	AN	49	51	51	51
	BN	50	51	51	51
	D	50	52	52	52
	C	51	53	53	53
	All	50	51	51	51
MAR	W	52	53	53	53
	AN	53	53	53	53
	BN	54	55	55	55
	D	55	56	56	56
	C	55	56	56	56
	All	53	54	55	55
APR	W	56	57	57	56
	AN	59	60	60	58
	BN	60	60	60	58
	D	60	61	61	60
	C	59	61	60	61
	All	58	59	59	58
MAY	W	62	64	64	62
	AN	65	66	65	63
	BN	65	66	66	65
	D	65	66	66	66
	C	65	67	67	67
	All	64	66	65	64
JUN	W	67	69	68	69
	AN	69	71	69	71
	BN	69	71	68	70
	D	70	71	70	71
	C	69	71	71	71
	All	69	70	69	70
JUL	W	71	71	72	73
	AN	69	70	70	72
	BN	69	70	71	72
	D	69	71	72	73
	C	71	73	76	75
	All	70	71	72	73
AUG	W	72	71	72	73
	AN	69	69	70	71
	BN	69	71	71	72
	D	68	71	72	73
	C	72	74	73	73
	All	70	71	72	73

Alternative 4A_ELT: Feather River at Honcut Creek					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
SEP	W	66	63	64	65
	AN	66	63	65	66
	BN	67	67	67	68
	D	66	67	67	67
	C	66	68	68	68
	All	66	65	66	67
OCT	W	59	60	60	61
	AN	60	61	61	62
	BN	60	61	61	62
	D	59	60	60	61
	C	60	61	61	61
	All	60	61	61	61
NOV	W	53	54	54	54
	AN	54	55	55	55
	BN	53	54	54	55
	D	53	54	54	54
	C	54	55	55	54
	All	53	54	54	54
DEC	W	47	49	49	49
	AN	47	49	49	49
	BN	46	48	48	48
	D	46	48	48	48
	C	46	47	47	47
	All	47	48	48	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Honcut Creek, Year-Round

Alternative 4A_ELT: Feather River at Honcut Creek					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
JAN	W	1.2 (2.5%)	0 (-0.1%)	1.3 (2.7%)	0 (0.1%)
	AN	1.3 (2.8%)	-0.1 (-0.2%)	1.4 (3%)	0 (0.1%)
	BN	1.1 (2.4%)	-0.2 (-0.4%)	1.3 (2.8%)	0 (0%)
	D	1.3 (2.8%)	0.1 (0.1%)	1.3 (2.9%)	0.1 (0.2%)
	C	1.4 (3.1%)	-0.1 (-0.2%)	1.3 (2.8%)	-0.2 (-0.4%)
	All	1.2 (2.7%)	-0.1 (-0.1%)	1.3 (2.8%)	0 (0%)
FEB	W	1.2 (2.5%)	0 (0.1%)	1.3 (2.7%)	0.2 (0.3%)
	AN	1.4 (2.8%)	-0.2 (-0.4%)	1.6 (3.2%)	0 (-0.1%)
	BN	1.6 (3.3%)	0.1 (0.1%)	1.6 (3.2%)	0 (0%)
	D	1.4 (2.9%)	0 (0.1%)	1.4 (2.8%)	0 (0%)
	C	1.5 (2.9%)	0 (0%)	1.5 (2.9%)	0 (0.1%)
	All	1.4 (2.8%)	0 (0%)	1.5 (2.9%)	0.1 (0.1%)
MAR	W	0.9 (1.8%)	0.1 (0.1%)	1 (1.9%)	0.1 (0.2%)
	AN	0.4 (0.8%)	0.1 (0.1%)	0.4 (0.8%)	0 (0.1%)
	BN	1.6 (2.9%)	0.2 (0.4%)	1.3 (2.5%)	0 (0%)
	D	1.2 (2.2%)	0 (0%)	1.2 (2.2%)	0 (0%)
	C	1.4 (2.5%)	0.1 (0.3%)	1.3 (2.4%)	0 (0.1%)
	All	1.1 (2.1%)	0.1 (0.2%)	1.1 (2%)	0 (0.1%)
APR	W	0.7 (1.3%)	0 (0%)	-0.4 (-0.7%)	-1.1 (-2%)
	AN	0.9 (1.5%)	0 (0%)	-0.9 (-1.5%)	-1.8 (-3%)
	BN	0.6 (1.1%)	0 (0%)	-1.8 (-3%)	-2.5 (-4.1%)
	D	1 (1.7%)	0 (0%)	0.8 (1.4%)	-0.2 (-0.2%)
	C	1 (1.7%)	-0.1 (-0.1%)	1.1 (1.9%)	0.1 (0.1%)
	All	0.8 (1.4%)	0 (0%)	-0.2 (-0.4%)	-1 (-1.8%)
MAY	W	1.6 (2.5%)	0 (0%)	0 (0%)	-1.6 (-2.4%)
	AN	0.6 (1%)	-0.6 (-0.9%)	-1.4 (-2.1%)	-2.6 (-4%)
	BN	1.2 (1.8%)	-0.1 (-0.2%)	-0.4 (-0.6%)	-1.6 (-2.5%)
	D	1.2 (1.9%)	-0.1 (-0.2%)	1.1 (1.6%)	-0.3 (-0.5%)
	C	1.4 (2.2%)	0 (0.1%)	1.4 (2.2%)	0 (0%)
	All	1.3 (2%)	-0.1 (-0.2%)	0.2 (0.3%)	-1.2 (-1.8%)
JUN	W	0.7 (1.1%)	-1.3 (-1.9%)	2.1 (3.2%)	0.1 (0.1%)
	AN	-0.5 (-0.7%)	-2 (-2.9%)	1.3 (1.9%)	-0.2 (-0.3%)
	BN	-1.5 (-2.2%)	-2.7 (-3.8%)	0.3 (0.4%)	-0.9 (-1.3%)
	D	0.5 (0.7%)	-0.9 (-1.2%)	1.2 (1.7%)	-0.2 (-0.2%)
	C	1.7 (2.4%)	0.2 (0.2%)	1.7 (2.4%)	0.2 (0.2%)
	All	0.3 (0.4%)	-1.3 (-1.9%)	1.4 (2.1%)	-0.2 (-0.2%)
JUL	W	0.5 (0.7%)	0.3 (0.4%)	1.6 (2.2%)	1.3 (1.9%)
	AN	0.6 (0.8%)	-0.1 (-0.1%)	2.9 (4.2%)	2.3 (3.2%)
	BN	1.5 (2.2%)	0.3 (0.5%)	2.5 (3.6%)	1.3 (1.9%)
	D	2.7 (3.9%)	1.2 (1.7%)	3.4 (5%)	1.9 (2.8%)
	C	4.7 (6.7%)	2.6 (3.5%)	4.2 (5.9%)	2 (2.8%)
	All	1.8 (2.6%)	0.8 (1.1%)	2.7 (3.9%)	1.7 (2.4%)
AUG	W	0.3 (0.5%)	0.4 (0.6%)	1.8 (2.6%)	1.9 (2.7%)
	AN	1.3 (1.9%)	0.6 (0.9%)	2.8 (4.1%)	2.2 (3.1%)
	BN	1.9 (2.8%)	0.5 (0.7%)	2.8 (4.1%)	1.4 (2%)
	D	3.9 (5.7%)	1.6 (2.2%)	4.2 (6.1%)	1.9 (2.6%)
	C	1.6 (2.2%)	-0.6 (-0.8%)	1.5 (2%)	-0.7 (-1%)
	All	1.7 (2.4%)	0.6 (0.8%)	2.6 (3.7%)	1.5 (2.1%)

Alternative 4A_ELT: Feather River at Honcut Creek					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
SEP	W	-1.9 (-2.9%)	1.2 (2%)	-1.1 (-1.7%)	2 (3.2%)
	AN	-0.9 (-1.4%)	1.5 (2.4%)	0.3 (0.4%)	2.8 (4.3%)
	BN	0.9 (1.3%)	0 (0%)	1.8 (2.7%)	0.9 (1.3%)
	D	1.4 (2.1%)	0 (0%)	1.2 (1.8%)	-0.2 (-0.3%)
	C	1.7 (2.5%)	0.1 (0.1%)	1.5 (2.3%)	0 (-0.1%)
	All	0 (0%)	0.6 (0.9%)	0.5 (0.7%)	1.1 (1.7%)
OCT	W	1.2 (2.1%)	-0.1 (-0.2%)	1.8 (3.1%)	0.5 (0.8%)
	AN	1 (1.7%)	-0.1 (-0.2%)	1.4 (2.3%)	0.3 (0.5%)
	BN	1.1 (1.9%)	-0.2 (-0.3%)	1.8 (3.1%)	0.5 (0.8%)
	D	1.1 (1.8%)	-0.3 (-0.5%)	1.8 (3.1%)	0.5 (0.8%)
	C	1.5 (2.5%)	0 (0%)	1.5 (2.5%)	0 (0%)
	All	1.2 (2%)	-0.1 (-0.2%)	1.7 (2.9%)	0.4 (0.6%)
NOV	W	1.2 (2.2%)	0 (0%)	1.4 (2.7%)	0.3 (0.5%)
	AN	1.4 (2.6%)	0 (0.1%)	1.5 (2.8%)	0.2 (0.3%)
	BN	1.2 (2.2%)	0 (0%)	1.5 (2.7%)	0.3 (0.5%)
	D	1.6 (3.1%)	0.1 (0.2%)	1.5 (2.9%)	0 (0%)
	C	1.2 (2.3%)	0 (0.1%)	0.9 (1.6%)	-0.3 (-0.6%)
	All	1.3 (2.5%)	0 (0.1%)	1.4 (2.6%)	0.1 (0.2%)
DEC	W	1.3 (2.8%)	-0.1 (-0.2%)	1.4 (2.9%)	0 (-0.1%)
	AN	1.5 (3.2%)	-0.1 (-0.2%)	1.8 (3.7%)	0.1 (0.3%)
	BN	1.7 (3.6%)	0.2 (0.4%)	1.4 (3%)	-0.1 (-0.2%)
	D	1.8 (3.9%)	0.1 (0.3%)	1.6 (3.4%)	-0.1 (-0.2%)
	C	1.2 (2.6%)	-0.1 (-0.1%)	0.9 (1.9%)	-0.4 (-0.9%)
	All	1.5 (3.2%)	0 (0%)	1.4 (3%)	-0.1 (-0.2%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.10.14 Feather River at the Confluence with the Sacramento River

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4A_ELT Model Scenarios in the Feather River at the Confluence with the Sacramento River, Year-Round

Alternative 4A_ELT: Feather River at the Confluence with the Sacramento River					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
JAN	W	47	48	47	48
	AN	46	47	47	47
	BN	46	46	46	46
	D	45	46	46	46
	C	45	46	46	46
	All	46	47	47	47
FEB	W	50	51	51	51
	AN	50	51	51	51
	BN	50	51	51	51
	D	50	51	51	51
	C	51	52	52	52
	All	50	51	51	51
MAR	W	53	54	54	54
	AN	54	55	55	55
	BN	55	56	56	56
	D	55	56	56	56
	C	56	57	57	57
	All	55	55	55	55
APR	W	59	59	59	58
	AN	60	61	61	60
	BN	61	61	61	60
	D	62	63	63	63
	C	63	64	64	64
	All	61	61	61	61
MAY	W	65	66	66	65
	AN	66	68	68	66
	BN	67	68	68	67
	D	68	69	69	69
	C	68	70	70	70
	All	66	68	68	67
JUN	W	70	72	71	72
	AN	71	73	72	73
	BN	72	74	72	73
	D	73	75	74	75
	C	72	74	74	74
	All	71	73	72	73
JUL	W	74	75	75	76
	AN	72	74	73	75
	BN	73	74	75	75
	D	73	75	75	76
	C	75	77	79	78
	All	73	75	75	76
AUG	W	73	74	75	76
	AN	71	72	73	74
	BN	72	74	74	75
	D	72	74	75	75
	C	75	77	76	76
	All	73	74	75	75

Alternative 4A_ELT: Feather River at the Confluence with the Sacramento River					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
SEP	W	71	68	69	70
	AN	70	68	69	70
	BN	70	71	72	72
	D	70	72	72	72
	C	70	72	72	72
	All	70	70	71	71
OCT	W	61	62	62	62
	AN	62	63	63	63
	BN	61	63	63	63
	D	61	62	62	62
	C	62	63	63	63
	All	61	62	62	63
NOV	W	52	53	53	53
	AN	53	54	54	54
	BN	53	54	54	54
	D	52	53	53	53
	C	53	54	54	54
	All	53	53	54	54
DEC	W	47	48	48	48
	AN	47	48	48	48
	BN	46	47	47	47
	D	46	47	47	47
	C	45	46	46	46
	All	46	47	47	47

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at the Confluence with the Sacramento River, Year-Round

Alternative 4A_ELT: Feather River at the Confluence with the Sacramento River					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
JAN	W	0.9 (1.8%)	0 (-0.1%)	0.9 (2%)	0.1 (0.1%)
	AN	0.8 (1.8%)	0 (-0.1%)	0.8 (1.8%)	0 (0%)
	BN	0.7 (1.6%)	-0.1 (-0.2%)	0.8 (1.7%)	-0.1 (-0.2%)
	D	0.9 (2%)	0 (-0.1%)	0.9 (2%)	0 (0%)
	C	1 (2.1%)	0 (-0.1%)	0.9 (2.1%)	-0.1 (-0.1%)
	All	0.9 (1.9%)	0 (-0.1%)	0.9 (1.9%)	0 (0%)
FEB	W	1 (1.9%)	0 (0.1%)	1 (2%)	0.1 (0.2%)
	AN	1 (1.9%)	0 (0.1%)	1 (1.9%)	0 (0%)
	BN	0.9 (1.8%)	0 (0%)	0.9 (1.9%)	0.1 (0.1%)
	D	1 (1.9%)	0 (0%)	1 (1.9%)	0 (0%)
	C	1 (2%)	0 (0%)	1 (2%)	0 (0%)
	All	1 (1.9%)	0 (0%)	1 (2%)	0 (0.1%)
MAR	W	0.7 (1.3%)	0 (0%)	0.7 (1.3%)	0 (0%)
	AN	0.4 (0.8%)	0 (0%)	0.4 (0.7%)	-0.1 (-0.1%)
	BN	0.8 (1.4%)	0 (0.1%)	0.7 (1.3%)	0 (0%)
	D	0.8 (1.4%)	0 (0%)	0.8 (1.5%)	0 (0.1%)
	C	0.9 (1.7%)	0 (0%)	0.9 (1.6%)	0 (-0.1%)
	All	0.7 (1.3%)	0 (0%)	0.7 (1.3%)	0 (0%)
APR	W	0.6 (1%)	0 (0%)	-0.4 (-0.6%)	-1 (-1.7%)
	AN	0.8 (1.3%)	0 (0%)	-0.4 (-0.6%)	-1.1 (-1.8%)
	BN	0.6 (1%)	0 (0%)	-1.1 (-1.8%)	-1.7 (-2.8%)
	D	0.8 (1.3%)	0 (0%)	0.7 (1.2%)	-0.1 (-0.2%)
	C	0.9 (1.3%)	-0.1 (-0.2%)	1 (1.5%)	0 (-0.1%)
	All	0.7 (1.2%)	0 (0%)	-0.1 (-0.1%)	-0.8 (-1.3%)
MAY	W	1.4 (2.1%)	0 (0%)	0.4 (0.6%)	-1 (-1.4%)
	AN	1.1 (1.7%)	-0.3 (-0.5%)	-0.1 (-0.1%)	-1.6 (-2.3%)
	BN	1.3 (1.9%)	-0.1 (-0.1%)	0.3 (0.5%)	-1 (-1.5%)
	D	1.5 (2.2%)	-0.1 (-0.2%)	1.4 (2%)	-0.3 (-0.4%)
	C	1.6 (2.4%)	0.1 (0.2%)	1.6 (2.4%)	0.1 (0.1%)
	All	1.4 (2.1%)	-0.1 (-0.1%)	0.7 (1.1%)	-0.7 (-1.1%)
JUN	W	1.3 (1.8%)	-0.7 (-1%)	2.1 (3.1%)	0.2 (0.2%)
	AN	0.6 (0.8%)	-1.3 (-1.8%)	1.8 (2.5%)	-0.1 (-0.1%)
	BN	0 (0%)	-1.9 (-2.5%)	1.2 (1.7%)	-0.6 (-0.9%)
	D	1.2 (1.6%)	-0.7 (-0.9%)	1.7 (2.4%)	-0.1 (-0.1%)
	C	1.9 (2.6%)	0.2 (0.2%)	1.9 (2.7%)	0.2 (0.3%)
	All	1 (1.4%)	-0.8 (-1.2%)	1.8 (2.5%)	-0.1 (-0.1%)
JUL	W	1.6 (2.2%)	0.3 (0.4%)	2.4 (3.3%)	1.1 (1.5%)
	AN	1.2 (1.6%)	-0.1 (-0.1%)	2.9 (3.9%)	1.6 (2.2%)
	BN	1.8 (2.5%)	0.2 (0.3%)	2.6 (3.5%)	1 (1.3%)
	D	2.7 (3.8%)	0.9 (1.3%)	3.3 (4.6%)	1.5 (2%)
	C	4.2 (5.7%)	1.9 (2.5%)	3.9 (5.2%)	1.5 (2%)
	All	2.2 (3%)	0.6 (0.8%)	2.9 (4%)	1.3 (1.8%)
AUG	W	1.6 (2.1%)	0.5 (0.6%)	2.5 (3.4%)	1.4 (1.9%)
	AN	1.5 (2.1%)	0.4 (0.5%)	2.5 (3.5%)	1.4 (1.9%)
	BN	1.9 (2.7%)	0.3 (0.4%)	2.5 (3.5%)	0.9 (1.3%)
	D	3.5 (4.9%)	1.1 (1.4%)	3.9 (5.5%)	1.5 (2%)
	C	1.7 (2.3%)	-0.5 (-0.6%)	1.6 (2.1%)	-0.6 (-0.8%)
	All	2.1 (2.9%)	0.4 (0.6%)	2.7 (3.7%)	1 (1.4%)

Alternative 4A_ELT: Feather River at the Confluence with the Sacramento River					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
SEP	W	-1.5 (-2.1%)	1.1 (1.7%)	-0.9 (-1.3%)	1.7 (2.5%)
	AN	-0.7 (-0.9%)	1.2 (1.8%)	0.3 (0.4%)	2.1 (3.2%)
	BN	1.7 (2.4%)	0.7 (1%)	2.1 (3%)	1.1 (1.6%)
	D	2.3 (3.2%)	0.1 (0.2%)	2.2 (3.2%)	0.1 (0.1%)
	C	1.4 (2%)	-0.2 (-0.3%)	1.1 (1.6%)	-0.5 (-0.7%)
	All	0.4 (0.6%)	0.7 (1%)	0.7 (1.1%)	1 (1.4%)
OCT	W	1.2 (2%)	-0.1 (-0.2%)	1.5 (2.5%)	0.2 (0.4%)
	AN	0.9 (1.5%)	-0.1 (-0.2%)	1.2 (2%)	0.2 (0.3%)
	BN	1.2 (1.9%)	-0.1 (-0.2%)	1.5 (2.4%)	0.2 (0.3%)
	D	0.9 (1.5%)	-0.2 (-0.3%)	1.3 (2.2%)	0.2 (0.4%)
	C	1.5 (2.4%)	0 (0.1%)	1.2 (1.9%)	-0.3 (-0.4%)
	All	1.1 (1.9%)	-0.1 (-0.2%)	1.4 (2.3%)	0.1 (0.2%)
NOV	W	0.9 (1.7%)	0 (0%)	0.9 (1.8%)	0 (0.1%)
	AN	1 (2%)	0 (0%)	1.1 (2.1%)	0.1 (0.2%)
	BN	1 (1.9%)	0 (0%)	1.1 (2%)	0.1 (0.2%)
	D	1.1 (2%)	0.1 (0.2%)	1 (1.9%)	0 (0%)
	C	1 (1.9%)	0.1 (0.2%)	0.9 (1.8%)	0 (0%)
	All	1 (1.9%)	0 (0.1%)	1 (1.9%)	0 (0.1%)
DEC	W	0.7 (1.5%)	-0.1 (-0.2%)	0.8 (1.7%)	0 (0%)
	AN	1.1 (2.2%)	-0.1 (-0.3%)	1.2 (2.7%)	0.1 (0.1%)
	BN	1.1 (2.5%)	0.1 (0.2%)	1 (2.1%)	-0.1 (-0.2%)
	D	1.1 (2.4%)	0.3 (0.7%)	1 (2.1%)	0.2 (0.5%)
	C	1.1 (2.3%)	0.4 (0.9%)	0.9 (1.9%)	0.2 (0.4%)
	All	1 (2.1%)	0.1 (0.2%)	0.9 (2%)	0.1 (0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.10.15 American River below Nimbus Dam

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4A_ELT Model Scenarios in the American River below Nimbus Dam, Year-Round

Alternative 4A_ELT: American River below Nimbus Dam					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
JAN	W	47	48	48	48
	AN	47	48	48	48
	BN	46	48	48	48
	D	47	48	48	48
	C	47	48	48	48
	All	47	48	48	48
FEB	W	48	50	50	50
	AN	48	50	50	50
	BN	47	49	49	49
	D	49	50	50	50
	C	51	52	52	52
	All	48	50	50	50
MAR	W	52	53	53	53
	AN	53	54	54	54
	BN	53	54	54	54
	D	53	55	55	55
	C	55	56	56	56
	All	53	54	54	54
APR	W	56	57	57	57
	AN	57	58	58	58
	BN	57	59	59	59
	D	59	60	60	60
	C	59	61	60	61
	All	58	59	59	59
MAY	W	60	62	62	62
	AN	61	64	63	63
	BN	61	63	63	63
	D	64	66	66	66
	C	64	66	66	66
	All	62	64	64	64
JUN	W	64	66	65	66
	AN	65	68	67	68
	BN	65	67	67	67
	D	67	68	68	69
	C	68	71	71	70
	All	66	68	67	68
JUL	W	66	68	67	68
	AN	66	67	67	67
	BN	66	67	67	67
	D	67	68	68	68
	C	70	72	73	73
	All	67	68	68	68
AUG	W	67	68	69	68
	AN	67	69	69	69
	BN	67	69	69	68
	D	67	69	70	69
	C	70	74	74	73
	All	67	70	70	69

Alternative 4A_ELT: American River below Nimbus Dam					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
SEP	W	65	66	66	66
	AN	66	66	66	66
	BN	66	67	67	68
	D	66	68	68	68
	C	68	71	71	71
	All	66	67	67	67
OCT	W	58	63	63	63
	AN	59	63	64	64
	BN	58	62	63	63
	D	59	64	64	64
	C	61	64	64	64
	All	59	63	63	63
NOV	W	57	59	59	59
	AN	57	59	59	59
	BN	56	59	59	59
	D	57	59	59	59
	C	58	60	60	60
	All	57	59	59	59
DEC	W	50	51	51	51
	AN	51	52	52	52
	BN	50	51	51	51
	D	50	51	51	51
	C	50	51	51	51
	All	50	51	51	51

Table2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River below Nimbus Dam, Year-Round

Alternative 4A_ELT: American River below Nimbus Dam					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
JAN	W	1.4 (3%)	0 (0%)	1.4 (3%)	0 (0.1%)
	AN	1.3 (2.7%)	0 (0.1%)	1.3 (2.8%)	0.1 (0.2%)
	BN	1.4 (3.1%)	0 (0%)	1.4 (3.1%)	0 (0%)
	D	1.3 (2.7%)	0 (0%)	1.3 (2.7%)	0 (0.1%)
	C	1.4 (2.9%)	0 (0%)	1.4 (3.1%)	0.1 (0.2%)
	All	1.3 (2.9%)	0 (0%)	1.4 (2.9%)	0 (0.1%)
FEB	W	1.7 (3.5%)	0 (0%)	1.7 (3.5%)	0 (0%)
	AN	1.8 (3.8%)	0 (0%)	1.8 (3.8%)	0 (0%)
	BN	1.7 (3.5%)	0 (-0.1%)	1.7 (3.5%)	0 (0%)
	D	1.6 (3.3%)	-0.1 (-0.1%)	1.7 (3.4%)	0 (0%)
	C	1.6 (3.1%)	0.2 (0.5%)	1.7 (3.4%)	0.4 (0.7%)
	All	1.7 (3.4%)	0 (0%)	1.7 (3.5%)	0.1 (0.1%)
MAR	W	1.4 (2.7%)	0 (0%)	1.4 (2.7%)	0 (0%)
	AN	1.4 (2.7%)	0 (0.1%)	1.4 (2.7%)	0 (0%)
	BN	1.3 (2.4%)	0 (0%)	1.3 (2.4%)	0 (0%)
	D	1.5 (2.9%)	-0.1 (-0.2%)	1.5 (2.9%)	-0.1 (-0.2%)
	C	1.1 (2.1%)	-0.3 (-0.5%)	1.4 (2.5%)	0 (0%)
	All	1.4 (2.6%)	-0.1 (-0.1%)	1.4 (2.7%)	0 (0%)
APR	W	1.2 (2.2%)	0 (0%)	1.2 (2.2%)	0 (0%)
	AN	1.3 (2.3%)	0 (0%)	1.3 (2.3%)	0 (0%)
	BN	1.3 (2.3%)	-0.1 (-0.1%)	1.4 (2.4%)	0 (0%)
	D	0.8 (1.4%)	0.1 (0.1%)	0.9 (1.4%)	0.1 (0.2%)
	C	1 (1.6%)	-0.6 (-1%)	1.7 (2.8%)	0.1 (0.2%)
	All	1.1 (2%)	-0.1 (-0.1%)	1.3 (2.2%)	0 (0.1%)
MAY	W	2.1 (3.5%)	0 (0%)	2.1 (3.5%)	0 (0%)
	AN	2.4 (3.9%)	-0.1 (-0.2%)	2.4 (4%)	-0.1 (-0.1%)
	BN	2 (3.2%)	-0.2 (-0.3%)	2.1 (3.5%)	0 (0%)
	D	1.9 (2.9%)	0.2 (0.2%)	1.9 (3%)	0.2 (0.3%)
	C	1.5 (2.3%)	-0.3 (-0.5%)	1.5 (2.4%)	-0.3 (-0.4%)
	All	2 (3.2%)	-0.1 (-0.1%)	2 (3.3%)	0 (0%)
JUN	W	1.7 (2.7%)	-0.2 (-0.3%)	1.8 (2.8%)	-0.1 (-0.1%)
	AN	1.5 (2.3%)	-0.6 (-0.9%)	2.3 (3.5%)	0.2 (0.3%)
	BN	1.8 (2.7%)	-0.4 (-0.5%)	2.3 (3.5%)	0.1 (0.2%)
	D	0.6 (0.9%)	-0.8 (-1.2%)	1.9 (2.8%)	0.5 (0.7%)
	C	2.6 (3.9%)	0 (0%)	2.4 (3.6%)	-0.2 (-0.3%)
	All	1.6 (2.4%)	-0.4 (-0.6%)	2.1 (3.1%)	0.1 (0.1%)
JUL	W	1 (1.5%)	-0.6 (-0.8%)	1.1 (1.7%)	-0.5 (-0.7%)
	AN	0.7 (1%)	0.1 (0.1%)	0.5 (0.8%)	-0.1 (-0.2%)
	BN	0.8 (1.1%)	-0.1 (-0.2%)	1 (1.5%)	0.1 (0.1%)
	D	1.7 (2.5%)	0.3 (0.4%)	1.6 (2.4%)	0.2 (0.3%)
	C	2.8 (4%)	0.4 (0.6%)	2.8 (4.1%)	0.4 (0.6%)
	All	1.3 (2%)	-0.1 (-0.1%)	1.4 (2.1%)	0 (-0.1%)
AUG	W	2.2 (3.2%)	0.3 (0.4%)	1.9 (2.9%)	0.1 (0.1%)
	AN	1.5 (2.2%)	0 (0.1%)	1.2 (1.8%)	-0.3 (-0.4%)
	BN	1.7 (2.6%)	0.2 (0.2%)	0.8 (1.1%)	-0.8 (-1.2%)
	D	3.1 (4.5%)	0.8 (1.1%)	2.1 (3.2%)	-0.1 (-0.2%)
	C	4.1 (5.9%)	0.3 (0.5%)	3 (4.3%)	-0.8 (-1.1%)
	All	2.5 (3.7%)	0.4 (0.5%)	1.8 (2.7%)	-0.3 (-0.4%)

Alternative 4A_ELT: American River below Nimbus Dam					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
SEP	W	1.1 (1.7%)	0.3 (0.5%)	1 (1.5%)	0.2 (0.3%)
	AN	0.9 (1.3%)	0.4 (0.6%)	0.7 (1%)	0.2 (0.2%)
	BN	1.4 (2.1%)	0.6 (0.9%)	1.7 (2.5%)	0.9 (1.3%)
	D	1.8 (2.8%)	0.5 (0.7%)	1.5 (2.2%)	0.1 (0.1%)
	C	2.3 (3.3%)	0 (-0.1%)	2.4 (3.4%)	0 (0%)
	All	1.5 (2.2%)	0.4 (0.5%)	1.4 (2.1%)	0.3 (0.4%)
OCT	W	4.8 (8.2%)	0.1 (0.1%)	4.8 (8.2%)	0.1 (0.2%)
	AN	4.3 (7.2%)	0.1 (0.2%)	4.3 (7.2%)	0.1 (0.2%)
	BN	4.3 (7.4%)	0.3 (0.5%)	4.2 (7.2%)	0.1 (0.2%)
	D	4.5 (7.6%)	-0.1 (-0.2%)	4.7 (7.9%)	0 (0.1%)
	C	3.6 (6%)	0 (-0.1%)	3.6 (5.9%)	-0.1 (-0.1%)
	All	4.4 (7.5%)	0.1 (0.1%)	4.4 (7.5%)	0.1 (0.1%)
NOV	W	1.9 (3.3%)	-0.2 (-0.3%)	1.9 (3.4%)	-0.1 (-0.2%)
	AN	1.9 (3.4%)	0 (-0.1%)	2 (3.6%)	0.1 (0.1%)
	BN	2.6 (4.6%)	-0.1 (-0.2%)	2.7 (4.9%)	0 (0%)
	D	2.1 (3.7%)	-0.1 (-0.1%)	2.1 (3.8%)	0 (0%)
	C	2 (3.5%)	0 (0.1%)	2.2 (3.9%)	0.3 (0.5%)
	All	2.1 (3.6%)	-0.1 (-0.2%)	2.2 (3.8%)	0 (0%)
DEC	W	1 (1.9%)	0 (0%)	1 (2%)	0 (0.1%)
	AN	1.1 (2.1%)	0.1 (0.1%)	1.1 (2.2%)	0.1 (0.2%)
	BN	1.2 (2.4%)	0 (0%)	1.2 (2.5%)	0 (0.1%)
	D	1.1 (2.1%)	0 (-0.1%)	1.1 (2.2%)	0 (0%)
	C	1.1 (2.2%)	0.1 (0.2%)	1.3 (2.6%)	0.3 (0.5%)
	All	1.1 (2.1%)	0 (0%)	1.1 (2.2%)	0.1 (0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.10.16 American River at Watt Avenue

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4A_ELT Model Scenarios in the American River at Watt Avenue, Year-Round

Alternative 4A_ELT: American River at Watt Avenue					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
JAN	W	47	48	48	48
	AN	47	48	48	48
	BN	46	47	47	47
	D	46	47	47	47
	C	46	48	48	48
	All	46	48	48	48
FEB	W	48	50	50	50
	AN	48	50	50	50
	BN	48	49	49	49
	D	49	51	51	51
	C	51	53	53	53
	All	49	50	50	50
MAR	W	53	54	54	54
	AN	53	54	54	54
	BN	54	55	55	55
	D	54	56	56	56
	C	56	57	57	57
	All	54	55	55	55
APR	W	56	58	58	58
	AN	58	59	59	59
	BN	58	60	60	60
	D	60	61	61	61
	C	61	62	62	62
	All	58	60	60	60
MAY	W	61	63	63	63
	AN	62	65	65	65
	BN	62	65	64	65
	D	65	67	67	67
	C	66	68	67	68
	All	63	65	65	65
JUN	W	65	67	67	67
	AN	67	69	68	69
	BN	67	69	69	69
	D	69	70	69	71
	C	69	72	72	72
	All	67	69	69	69
JUL	W	68	70	69	69
	AN	67	68	68	68
	BN	67	68	68	68
	D	68	70	70	70
	C	72	74	74	74
	All	68	70	70	70
AUG	W	68	70	71	70
	AN	69	70	70	70
	BN	69	71	71	70
	D	69	71	72	71
	C	71	75	75	74
	All	69	71	72	71

Alternative 4A_ELT: American River at Watt Avenue					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
SEP	W	66	67	67	67
	AN	66	67	68	67
	BN	67	68	69	69
	D	67	69	69	69
	C	69	71	71	71
	All	67	68	69	68
OCT	W	59	63	63	63
	AN	60	63	63	63
	BN	59	63	63	63
	D	60	64	63	64
	C	61	64	64	64
	All	60	63	63	63
NOV	W	56	58	58	58
	AN	56	58	58	58
	BN	56	58	58	58
	D	56	58	58	58
	C	57	59	59	59
	All	56	58	58	58
DEC	W	50	51	51	51
	AN	50	51	51	51
	BN	49	50	50	50
	D	49	50	50	50
	C	49	50	50	50
	All	49	50	50	50

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River at Watt Avenue, Year-Round

Alternative 4A_ELT: American River at Watt Avenue					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
JAN	W	1.4 (3%)	0 (0%)	1.4 (3%)	0 (0.1%)
	AN	1.3 (2.7%)	0 (0.1%)	1.3 (2.8%)	0.1 (0.1%)
	BN	1.4 (3%)	0 (0%)	1.4 (3%)	0 (0%)
	D	1.2 (2.6%)	0 (0%)	1.2 (2.7%)	0 (0.1%)
	C	1.4 (2.9%)	0 (0.1%)	1.4 (3%)	0.1 (0.2%)
	All	1.3 (2.9%)	0 (0%)	1.3 (2.9%)	0 (0.1%)
FEB	W	1.6 (3.4%)	0 (0%)	1.7 (3.4%)	0 (0%)
	AN	1.8 (3.7%)	0 (-0.1%)	1.8 (3.7%)	0 (0%)
	BN	1.6 (3.4%)	0 (-0.1%)	1.6 (3.4%)	0 (0%)
	D	1.6 (3.2%)	0 (-0.1%)	1.6 (3.3%)	0 (0%)
	C	1.6 (3%)	0.1 (0.3%)	1.6 (3.2%)	0.2 (0.4%)
	All	1.6 (3.3%)	0 (0%)	1.7 (3.4%)	0 (0.1%)
MAR	W	1.4 (2.6%)	0 (0%)	1.4 (2.6%)	0 (0%)
	AN	1.4 (2.6%)	0 (0.1%)	1.4 (2.6%)	0 (0%)
	BN	1.2 (2.2%)	0 (0%)	1.2 (2.2%)	0 (0%)
	D	1.4 (2.6%)	-0.1 (-0.2%)	1.5 (2.7%)	-0.1 (-0.1%)
	C	1.2 (2.1%)	-0.1 (-0.2%)	1.3 (2.3%)	0 (0%)
	All	1.3 (2.5%)	0 (-0.1%)	1.3 (2.5%)	0 (0%)
APR	W	1.2 (2.2%)	0 (0%)	1.2 (2.2%)	0 (0%)
	AN	1.3 (2.3%)	0 (0%)	1.3 (2.3%)	0 (0%)
	BN	1.2 (2.1%)	-0.1 (-0.1%)	1.3 (2.2%)	0 (0%)
	D	0.9 (1.5%)	0 (0%)	0.9 (1.6%)	0 (0%)
	C	1 (1.7%)	-0.4 (-0.6%)	1.4 (2.3%)	0 (0%)
	All	1.1 (1.9%)	-0.1 (-0.1%)	1.2 (2.1%)	0 (0%)
MAY	W	2.1 (3.5%)	0 (0%)	2.1 (3.5%)	0 (0%)
	AN	2.5 (4%)	-0.2 (-0.2%)	2.6 (4.1%)	-0.1 (-0.1%)
	BN	2 (3.2%)	-0.2 (-0.4%)	2.2 (3.5%)	0 (0%)
	D	1.9 (2.9%)	0.1 (0.1%)	1.9 (3%)	0.1 (0.1%)
	C	1.5 (2.3%)	-0.2 (-0.2%)	1.7 (2.6%)	0 (0%)
	All	2 (3.2%)	-0.1 (-0.1%)	2.1 (3.3%)	0 (0%)
JUN	W	1.9 (2.9%)	-0.2 (-0.4%)	2.1 (3.2%)	-0.1 (-0.1%)
	AN	1.4 (2.1%)	-0.8 (-1.1%)	2.3 (3.5%)	0.2 (0.3%)
	BN	1.7 (2.6%)	-0.5 (-0.7%)	2.4 (3.5%)	0.2 (0.3%)
	D	0.5 (0.8%)	-0.9 (-1.3%)	1.9 (2.8%)	0.4 (0.6%)
	C	2.4 (3.5%)	0 (0%)	2.3 (3.3%)	-0.1 (-0.2%)
	All	1.6 (2.3%)	-0.5 (-0.7%)	2.2 (3.2%)	0.1 (0.2%)
JUL	W	1.3 (1.9%)	-0.6 (-0.9%)	1.4 (2%)	-0.5 (-0.7%)
	AN	0.8 (1.3%)	0 (0%)	0.6 (1%)	-0.2 (-0.3%)
	BN	1 (1.5%)	-0.1 (-0.2%)	1.2 (1.8%)	0.1 (0.1%)
	D	2 (2.9%)	0.3 (0.4%)	1.9 (2.8%)	0.2 (0.3%)
	C	2.4 (3.3%)	0.2 (0.3%)	2.6 (3.6%)	0.4 (0.6%)
	All	1.5 (2.2%)	-0.1 (-0.2%)	1.5 (2.3%)	-0.1 (-0.1%)
AUG	W	2.6 (3.9%)	0.3 (0.5%)	2.4 (3.5%)	0.1 (0.1%)
	AN	1.8 (2.6%)	0.1 (0.1%)	1.4 (2.1%)	-0.3 (-0.4%)
	BN	2 (2.9%)	0.2 (0.3%)	0.9 (1.3%)	-0.9 (-1.3%)
	D	3.5 (5.1%)	0.8 (1.1%)	2.6 (3.9%)	0 (0%)
	C	3.4 (4.8%)	0.2 (0.3%)	2.8 (4%)	-0.4 (-0.5%)
	All	2.7 (4%)	0.4 (0.5%)	2.1 (3.1%)	-0.2 (-0.3%)

Alternative 4A_ELT: American River at Watt Avenue					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
SEP	W	1.4 (2.1%)	0.5 (0.7%)	1.1 (1.7%)	0.2 (0.3%)
	AN	1.3 (1.9%)	0.5 (0.7%)	1 (1.5%)	0.2 (0.3%)
	BN	1.9 (2.8%)	0.7 (1%)	2 (3%)	0.8 (1.2%)
	D	1.9 (2.8%)	0.3 (0.4%)	1.7 (2.5%)	0.1 (0.1%)
	C	2 (2.9%)	0 (0%)	2.1 (3%)	0 (0%)
	All	1.7 (2.5%)	0.4 (0.6%)	1.5 (2.3%)	0.2 (0.4%)
OCT	W	3.9 (6.6%)	0.1 (0.1%)	4 (6.7%)	0.1 (0.2%)
	AN	3.6 (6%)	0 (0%)	3.6 (6%)	0.1 (0.1%)
	BN	3.6 (6.1%)	0.2 (0.4%)	3.5 (6%)	0.1 (0.2%)
	D	3.6 (6%)	-0.1 (-0.1%)	3.8 (6.3%)	0.1 (0.1%)
	C	3 (4.9%)	0 (0%)	3 (4.8%)	-0.1 (-0.1%)
	All	3.6 (6.1%)	0 (0.1%)	3.7 (6.1%)	0.1 (0.1%)
NOV	W	1.6 (2.9%)	-0.2 (-0.4%)	1.7 (3%)	-0.2 (-0.3%)
	AN	1.8 (3.1%)	-0.1 (-0.2%)	1.9 (3.4%)	0 (0.1%)
	BN	2.2 (4%)	-0.2 (-0.4%)	2.4 (4.3%)	-0.1 (-0.1%)
	D	1.8 (3.3%)	-0.1 (-0.1%)	1.8 (3.2%)	-0.1 (-0.2%)
	C	1.8 (3.2%)	0 (0.1%)	2 (3.5%)	0.2 (0.4%)
	All	1.8 (3.2%)	-0.1 (-0.3%)	1.9 (3.4%)	-0.1 (-0.1%)
DEC	W	0.9 (1.8%)	0 (0%)	1 (1.9%)	0.1 (0.1%)
	AN	1 (1.9%)	0 (0.1%)	1 (2.1%)	0.1 (0.2%)
	BN	1.1 (2.3%)	0 (0%)	1.2 (2.4%)	0 (0.1%)
	D	1 (2.1%)	-0.1 (-0.1%)	1 (2.1%)	0 (-0.1%)
	C	1 (2.2%)	0.1 (0.3%)	1.2 (2.5%)	0.3 (0.6%)
	All	1 (2%)	0 (0%)	1.1 (2.1%)	0.1 (0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.10.17 American River at the Confluence with the Sacramento River

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4A_ELT Model Scenarios in the American River at the Confluence with the Sacramento River, Year-Round

Alternative 4A_ELT: American River at the Confluence with the Sacramento River					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
JAN	W	47	48	48	48
	AN	46	48	48	48
	BN	46	47	47	47
	D	46	47	47	47
	C	46	48	48	48
	All	46	47	47	47
FEB	W	48	50	50	50
	AN	48	50	50	50
	BN	48	50	49	50
	D	49	51	51	51
	C	51	53	53	53
	All	49	51	51	51
MAR	W	53	54	54	54
	AN	53	55	55	55
	BN	54	55	55	55
	D	55	56	56	56
	C	56	57	57	57
	All	54	55	55	55
APR	W	57	58	58	58
	AN	58	60	60	60
	BN	59	60	60	60
	D	61	62	62	62
	C	62	63	63	63
	All	59	60	60	60
MAY	W	61	63	63	63
	AN	63	66	66	66
	BN	63	65	65	65
	D	66	68	68	68
	C	67	68	68	68
	All	64	66	66	66
JUN	W	65	68	67	68
	AN	68	70	69	70
	BN	68	70	69	70
	D	70	71	70	71
	C	70	72	72	72
	All	68	70	69	70
JUL	W	69	71	70	70
	AN	68	69	69	69
	BN	68	69	69	69
	D	69	71	71	71
	C	73	75	75	75
	All	69	71	71	71
AUG	W	69	71	72	71
	AN	69	71	71	71
	BN	70	72	72	71
	D	69	72	73	72
	C	72	75	75	75
	All	70	72	73	72

Alternative 4A_ELT: American River at the Confluence with the Sacramento River					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
SEP	W	66	67	68	67
	AN	67	68	68	68
	BN	67	69	70	70
	D	68	69	70	70
	C	69	71	71	71
	All	67	69	69	69
OCT	W	60	63	63	63
	AN	60	63	63	63
	BN	60	63	63	63
	D	60	63	63	64
	C	62	64	64	64
	All	60	63	63	63
NOV	W	56	58	58	58
	AN	56	58	58	58
	BN	55	58	57	57
	D	56	57	57	57
	C	57	58	58	58
	All	56	58	58	58
DEC	W	49	50	50	50
	AN	49	50	50	50
	BN	48	49	49	50
	D	49	50	50	50
	C	48	49	49	49
	All	49	50	50	50

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River at the Confluence with the Sacramento River, Year-Round

Alternative 4A_ELT: American River at the Confluence with the Sacramento River					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
JAN	W	1.4 (3%)	0 (0%)	1.4 (3%)	0 (0%)
	AN	1.3 (2.8%)	0 (0%)	1.3 (2.9%)	0.1 (0.1%)
	BN	1.3 (2.9%)	0 (-0.1%)	1.3 (2.9%)	0 (-0.1%)
	D	1.2 (2.5%)	0 (0%)	1.2 (2.6%)	0 (0.1%)
	C	1.4 (3%)	0 (0.1%)	1.4 (3.1%)	0.1 (0.1%)
	All	1.3 (2.9%)	0 (0%)	1.3 (2.9%)	0 (0.1%)
FEB	W	1.6 (3.4%)	0 (0%)	1.6 (3.4%)	0 (0%)
	AN	1.8 (3.7%)	0 (-0.1%)	1.8 (3.7%)	0 (-0.1%)
	BN	1.6 (3.3%)	-0.1 (-0.1%)	1.6 (3.3%)	0 (-0.1%)
	D	1.6 (3.2%)	0 (0%)	1.6 (3.3%)	0 (0.1%)
	C	1.5 (2.9%)	0.1 (0.1%)	1.6 (3%)	0.1 (0.2%)
	All	1.6 (3.3%)	0 (0%)	1.6 (3.3%)	0 (0%)
MAR	W	1.3 (2.5%)	0 (0%)	1.3 (2.5%)	0 (0%)
	AN	1.3 (2.5%)	0 (0.1%)	1.3 (2.4%)	0 (0.1%)
	BN	1.1 (2.1%)	0 (0%)	1.1 (2.1%)	0 (0%)
	D	1.4 (2.5%)	-0.1 (-0.2%)	1.4 (2.7%)	-0.1 (-0.1%)
	C	1.1 (2%)	-0.1 (-0.1%)	1.2 (2.1%)	0 (0%)
	All	1.3 (2.4%)	0 (-0.1%)	1.3 (2.4%)	0 (0%)
APR	W	1.2 (2.1%)	0 (0%)	1.2 (2.1%)	0 (0%)
	AN	1.3 (2.2%)	0 (0%)	1.3 (2.2%)	0 (0%)
	BN	1.2 (2%)	-0.1 (-0.1%)	1.3 (2.1%)	0 (0%)
	D	1 (1.6%)	0 (0%)	1 (1.6%)	0 (0%)
	C	1 (1.6%)	-0.3 (-0.5%)	1.3 (2.1%)	-0.1 (-0.1%)
	All	1.1 (1.9%)	-0.1 (-0.1%)	1.2 (2%)	0 (0%)
MAY	W	2.2 (3.6%)	0 (0%)	2.2 (3.6%)	0 (0%)
	AN	2.6 (4.1%)	-0.2 (-0.2%)	2.6 (4.2%)	-0.1 (-0.1%)
	BN	2 (3.1%)	-0.2 (-0.4%)	2.2 (3.5%)	0 (0%)
	D	1.9 (2.9%)	0 (0%)	1.9 (2.9%)	0 (0.1%)
	C	1.5 (2.3%)	-0.1 (-0.2%)	1.7 (2.6%)	0.1 (0.2%)
	All	2 (3.2%)	-0.1 (-0.1%)	2.1 (3.4%)	0 (0%)
JUN	W	2 (3.1%)	-0.3 (-0.4%)	2.2 (3.4%)	-0.1 (-0.1%)
	AN	1.3 (2%)	-0.8 (-1.2%)	2.3 (3.4%)	0.2 (0.3%)
	BN	1.7 (2.5%)	-0.5 (-0.7%)	2.4 (3.5%)	0.2 (0.3%)
	D	0.6 (0.8%)	-1 (-1.3%)	1.9 (2.8%)	0.4 (0.6%)
	C	2.3 (3.3%)	0 (0%)	2.3 (3.3%)	-0.1 (-0.1%)
	All	1.6 (2.3%)	-0.5 (-0.7%)	2.2 (3.3%)	0.1 (0.2%)
JUL	W	1.4 (2%)	-0.6 (-0.9%)	1.5 (2.2%)	-0.5 (-0.8%)
	AN	1 (1.4%)	0 (0%)	0.7 (1.1%)	-0.2 (-0.3%)
	BN	1.1 (1.7%)	-0.2 (-0.2%)	1.4 (2%)	0.1 (0.1%)
	D	2.1 (3%)	0.2 (0.3%)	2 (2.9%)	0.1 (0.2%)
	C	2.2 (3.1%)	0.1 (0.2%)	2.4 (3.4%)	0.3 (0.5%)
	All	1.6 (2.3%)	-0.2 (-0.2%)	1.6 (2.4%)	-0.1 (-0.1%)
AUG	W	2.9 (4.2%)	0.3 (0.5%)	2.6 (3.8%)	0.1 (0.1%)
	AN	1.9 (2.8%)	0.1 (0.1%)	1.6 (2.3%)	-0.3 (-0.4%)
	BN	2.1 (3%)	0.2 (0.3%)	1 (1.5%)	-0.9 (-1.3%)
	D	3.7 (5.3%)	0.8 (1.2%)	2.9 (4.1%)	0 (0.1%)
	C	3.1 (4.3%)	0.1 (0.2%)	2.8 (3.8%)	-0.2 (-0.3%)
	All	2.8 (4.1%)	0.4 (0.5%)	2.3 (3.3%)	-0.2 (-0.3%)

Alternative 4A_ELT: American River at the Confluence with the Sacramento River					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
SEP	W	1.5 (2.3%)	0.5 (0.8%)	1.2 (1.8%)	0.2 (0.4%)
	AN	1.4 (2.1%)	0.5 (0.7%)	1.2 (1.7%)	0.2 (0.3%)
	BN	2.1 (3.1%)	0.7 (1%)	2.2 (3.2%)	0.8 (1.1%)
	D	2 (2.9%)	0.2 (0.3%)	1.8 (2.6%)	0.1 (0.1%)
	C	1.9 (2.7%)	0 (0%)	1.9 (2.8%)	0 (0%)
	All	1.8 (2.6%)	0.4 (0.6%)	1.6 (2.4%)	0.2 (0.4%)
OCT	W	3.5 (5.9%)	0.1 (0.1%)	3.5 (5.9%)	0.1 (0.1%)
	AN	3.2 (5.4%)	0 (0%)	3.3 (5.4%)	0.1 (0.1%)
	BN	3.2 (5.4%)	0.2 (0.3%)	3.2 (5.3%)	0.1 (0.2%)
	D	3.2 (5.3%)	-0.1 (-0.1%)	3.4 (5.6%)	0.1 (0.2%)
	C	2.7 (4.3%)	0 (0%)	2.6 (4.2%)	-0.1 (-0.1%)
	All	3.2 (5.4%)	0 (0.1%)	3.3 (5.4%)	0.1 (0.1%)
NOV	W	1.5 (2.7%)	-0.3 (-0.4%)	1.6 (2.8%)	-0.2 (-0.4%)
	AN	1.7 (3%)	-0.2 (-0.3%)	1.8 (3.3%)	0 (0%)
	BN	2 (3.7%)	-0.2 (-0.4%)	2.2 (4%)	-0.1 (-0.1%)
	D	1.7 (3%)	-0.1 (-0.1%)	1.6 (2.9%)	-0.1 (-0.2%)
	C	1.7 (3%)	0 (0.1%)	1.8 (3.2%)	0.2 (0.3%)
	All	1.7 (3%)	-0.2 (-0.3%)	1.8 (3.2%)	-0.1 (-0.1%)
DEC	W	0.9 (1.8%)	0 (0%)	0.9 (1.9%)	0 (0.1%)
	AN	0.9 (1.9%)	0 (0%)	1 (2%)	0.1 (0.2%)
	BN	1.1 (2.3%)	0 (0%)	1.1 (2.3%)	0 (0.1%)
	D	1 (2%)	0 (-0.1%)	1 (2%)	0 (-0.1%)
	C	1 (2.1%)	0.1 (0.3%)	1.2 (2.4%)	0.3 (0.6%)
	All	1 (2%)	0 (0%)	1 (2.1%)	0.1 (0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.10.18 Stanislaus River at Knights Ferry

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4A_ELT Model Scenarios in the Stanislaus River at Knights Ferry, Year-Round

Alternative 4A_ELT: Stanislaus River at Knights Ferry					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
JAN	W	49	50	50	50
	AN	49	50	50	50
	BN	49	50	50	50
	D	48	50	50	50
	C	49	50	50	50
	All	49	50	50	50
FEB	W	49	50	50	50
	AN	49	50	50	50
	BN	49	51	51	51
	D	49	50	50	50
	C	50	51	51	51
	All	49	50	50	50
MAR	W	49	50	50	50
	AN	49	51	51	51
	BN	51	52	52	52
	D	51	53	53	53
	C	52	54	54	54
	All	50	52	52	52
APR	W	50	51	51	51
	AN	50	52	52	52
	BN	51	53	53	53
	D	52	53	53	53
	C	53	55	55	55
	All	51	53	53	53
MAY	W	51	53	53	53
	AN	53	54	54	54
	BN	54	56	56	56
	D	55	56	56	56
	C	56	58	58	58
	All	53	55	55	55
JUN	W	54	55	55	55
	AN	56	57	57	57
	BN	58	59	59	59
	D	59	61	61	61
	C	60	62	62	62
	All	57	58	58	58
JUL	W	57	58	58	58
	AN	59	61	61	61
	BN	60	62	62	62
	D	61	63	63	63
	C	62	64	64	64
	All	59	61	61	61
AUG	W	58	59	59	59
	AN	60	61	61	61
	BN	60	62	62	62
	D	61	63	63	63
	C	62	65	65	64
	All	60	62	62	62

Alternative 4A_ELT: Stanislaus River at Knights Ferry					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
SEP	W	59	60	60	60
	AN	60	62	62	62
	BN	61	63	63	63
	D	62	63	63	63
	C	63	65	65	65
	All	61	62	62	62
OCT	W	59	61	61	61
	AN	59	61	61	61
	BN	59	60	60	60
	D	58	60	60	60
	C	60	62	62	62
	All	59	61	61	61
NOV	W	56	58	58	58
	AN	56	58	58	58
	BN	56	57	57	57
	D	56	57	57	57
	C	57	59	59	59
	All	56	58	58	58
DEC	W	52	53	53	53
	AN	52	53	53	53
	BN	51	53	53	53
	D	51	52	52	52
	C	52	53	53	53
	All	51	53	53	53

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Knights Ferry, Year-Round

Alternative 4A_ELT: Stanislaus River at Knights Ferry					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
JAN	W	1.4 (2.8%)	0 (0%)	1.4 (2.8%)	0 (0%)
	AN	1.5 (3%)	0 (0%)	1.5 (3%)	0 (0%)
	BN	1.5 (3%)	0 (0%)	1.5 (3%)	0 (0%)
	D	1.4 (3%)	0 (0%)	1.4 (3%)	0 (0%)
	C	1.4 (2.9%)	0 (0%)	1.4 (2.9%)	0 (0%)
	All	1.4 (2.9%)	0 (0%)	1.4 (2.9%)	0 (0%)
FEB	W	1.3 (2.6%)	0 (0%)	1.3 (2.6%)	0 (0%)
	AN	1.5 (3%)	0 (0%)	1.5 (3%)	0 (0%)
	BN	1.5 (3.1%)	0 (0%)	1.5 (3.1%)	0 (0%)
	D	1.5 (3.1%)	0 (0%)	1.5 (3.1%)	0 (0%)
	C	1.5 (3%)	0 (0%)	1.5 (3%)	0 (0%)
	All	1.4 (2.9%)	0 (0%)	1.4 (2.9%)	0 (0%)
MAR	W	1.3 (2.7%)	0 (0%)	1.3 (2.7%)	0 (0%)
	AN	1.7 (3.5%)	0 (0%)	1.7 (3.5%)	0 (0%)
	BN	1.5 (3%)	0 (0%)	1.5 (3%)	0 (0%)
	D	1.6 (3.2%)	0 (0%)	1.6 (3.2%)	0 (0%)
	C	1.4 (2.7%)	0 (0%)	1.4 (2.7%)	0 (0%)
	All	1.5 (3%)	0 (0%)	1.5 (3%)	0 (0%)
APR	W	1.5 (2.9%)	0 (0%)	1.5 (2.9%)	0 (0%)
	AN	1.6 (3.2%)	0 (0%)	1.6 (3.2%)	0 (0%)
	BN	1.7 (3.3%)	0 (0%)	1.7 (3.3%)	0 (0%)
	D	1.7 (3.2%)	0 (0%)	1.7 (3.2%)	0 (0%)
	C	1.6 (3%)	0 (0%)	1.6 (3%)	0 (0%)
	All	1.6 (3.1%)	0 (0%)	1.6 (3.1%)	0 (0%)
MAY	W	1.5 (3%)	0 (0%)	1.5 (3%)	0 (0%)
	AN	1.6 (3%)	0 (0%)	1.6 (3%)	0 (0%)
	BN	1.9 (3.5%)	0 (0%)	1.9 (3.5%)	0 (0%)
	D	1.8 (3.3%)	0 (0%)	1.8 (3.3%)	0 (0%)
	C	1.8 (3.3%)	0 (0%)	1.8 (3.3%)	0 (0%)
	All	1.7 (3.2%)	0 (0%)	1.7 (3.2%)	0 (0%)
JUN	W	1.5 (2.7%)	0 (0%)	1.4 (2.7%)	0 (0%)
	AN	1.6 (2.9%)	0 (0%)	1.6 (2.9%)	0 (0%)
	BN	1.9 (3.3%)	0 (0%)	1.9 (3.3%)	0 (0%)
	D	2.1 (3.5%)	0 (0%)	2.1 (3.5%)	0 (0%)
	C	2 (3.3%)	0 (0%)	2 (3.3%)	0 (0%)
	All	1.8 (3.1%)	0 (0%)	1.7 (3.1%)	0 (0%)
JUL	W	1.5 (2.6%)	0 (0%)	1.5 (2.6%)	0 (0%)
	AN	1.8 (3.1%)	0 (0%)	1.8 (3.1%)	0 (0%)
	BN	1.9 (3.2%)	0 (0%)	1.9 (3.2%)	0 (0%)
	D	2.1 (3.4%)	0 (0%)	2.1 (3.4%)	0 (0%)
	C	2.1 (3.3%)	0 (0%)	2 (3.3%)	0 (0%)
	All	1.8 (3.1%)	0 (0%)	1.8 (3.1%)	0 (0%)
AUG	W	1.6 (2.8%)	0 (0%)	1.6 (2.8%)	0 (0%)
	AN	1.7 (2.9%)	0 (0%)	1.7 (2.9%)	0 (0%)
	BN	1.8 (2.9%)	0 (0%)	1.8 (2.9%)	0 (0%)
	D	1.8 (2.9%)	0 (0%)	1.8 (2.9%)	0 (0%)
	C	2.3 (3.7%)	0 (0%)	2 (3.2%)	-0.3 (-0.4%)
	All	1.8 (3%)	0 (0%)	1.8 (2.9%)	-0.1 (-0.1%)

Alternative 4A_ELT: Stanislaus River at Knights Ferry					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
SEP	W	1.6 (2.7%)	0 (0%)	1.6 (2.7%)	0 (0%)
	AN	1.7 (2.8%)	0 (0%)	1.7 (2.8%)	0 (0%)
	BN	1.7 (2.8%)	0 (0%)	1.7 (2.8%)	0 (0%)
	D	1.8 (2.9%)	0 (0%)	1.8 (2.9%)	0 (0%)
	C	2.1 (3.3%)	0 (0%)	1.9 (3%)	-0.2 (-0.3%)
	All	1.8 (2.9%)	0 (0%)	1.7 (2.8%)	0 (-0.1%)
OCT	W	1.6 (2.7%)	0 (0%)	1.6 (2.7%)	0 (0%)
	AN	1.4 (2.4%)	0 (0%)	1.4 (2.4%)	0 (0%)
	BN	1.6 (2.7%)	0 (0%)	1.5 (2.6%)	0 (0%)
	D	1.6 (2.8%)	0 (0%)	1.6 (2.8%)	0 (0%)
	C	1.7 (2.8%)	0 (0%)	1.7 (2.8%)	0 (0%)
	All	1.6 (2.7%)	0 (0%)	1.6 (2.7%)	0 (0%)
NOV	W	1.5 (2.6%)	0 (0%)	1.5 (2.6%)	0 (0%)
	AN	1.4 (2.5%)	0 (0%)	1.4 (2.5%)	0 (0%)
	BN	1.5 (2.6%)	0 (0%)	1.5 (2.6%)	0 (0%)
	D	1.5 (2.6%)	0 (0%)	1.5 (2.6%)	0 (0%)
	C	1.5 (2.7%)	0 (0%)	1.5 (2.7%)	0 (0%)
	All	1.5 (2.6%)	0 (0%)	1.5 (2.6%)	0 (0%)
DEC	W	1.4 (2.7%)	0 (0%)	1.4 (2.7%)	0 (0%)
	AN	1.4 (2.7%)	0 (0%)	1.4 (2.6%)	0 (0%)
	BN	1.5 (2.8%)	0 (0%)	1.5 (2.8%)	0 (0%)
	D	1.4 (2.7%)	0 (0%)	1.4 (2.7%)	0 (0%)
	C	1.4 (2.8%)	0 (0%)	1.4 (2.8%)	0 (0%)
	All	1.4 (2.7%)	0 (0%)	1.4 (2.7%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.10.19 Stanislaus River at Orange Blossom Bridge

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4A_ELT Model Scenarios in the Stanislaus River at Orange Blossom Bridge, Year-Round

Alternative 4A_ELT: Stanislaus River at Orange Blossom Bridge					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
JAN	W	48	49	49	49
	AN	48	49	49	49
	BN	48	49	49	49
	D	47	48	48	48
	C	48	49	49	49
	All	48	49	49	49
FEB	W	49	50	50	50
	AN	49	51	51	51
	BN	49	51	51	51
	D	49	51	51	51
	C	50	52	52	52
	All	49	51	51	51
MAR	W	49	51	51	51
	AN	50	52	52	52
	BN	52	53	53	53
	D	52	54	54	54
	C	53	54	54	54
	All	51	53	53	53
APR	W	50	52	52	52
	AN	51	53	53	53
	BN	52	54	54	54
	D	53	54	54	54
	C	55	56	56	56
	All	52	54	54	54
MAY	W	53	54	54	54
	AN	54	56	56	56
	BN	55	57	57	57
	D	56	58	58	58
	C	58	60	60	60
	All	55	57	57	57
JUN	W	56	57	57	57
	AN	58	60	60	60
	BN	60	62	62	62
	D	62	65	64	65
	C	63	65	65	65
	All	59	61	61	61
JUL	W	60	61	61	61
	AN	63	65	65	65
	BN	63	65	65	65
	D	64	66	66	66
	C	65	67	67	67
	All	63	65	65	65
AUG	W	60	62	62	62
	AN	63	64	64	64
	BN	63	65	65	65
	D	64	66	66	66
	C	65	67	67	67
	All	63	64	64	64

Alternative 4A_ELT: Stanislaus River at Orange Blossom Bridge					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
SEP	W	60	62	62	62
	AN	63	64	64	64
	BN	63	65	65	65
	D	63	65	65	65
	C	64	66	66	66
	All	62	64	64	64
OCT	W	59	61	61	61
	AN	59	61	61	61
	BN	59	60	60	60
	D	59	60	60	60
	C	60	62	62	62
	All	59	61	61	61
NOV	W	55	56	56	56
	AN	55	56	56	56
	BN	55	56	56	56
	D	55	56	56	56
	C	56	57	57	57
	All	55	57	57	57
DEC	W	50	52	52	52
	AN	50	51	51	51
	BN	49	51	51	51
	D	50	51	51	51
	C	50	51	51	51
	All	50	51	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Orange Blossom Bridge, Year-Round

Alternative 4A_ELT: Stanislaus River at Orange Blossom Bridge					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
JAN	W	1.3 (2.8%)	0 (0%)	1.3 (2.8%)	0 (0%)
	AN	1.5 (3.1%)	0 (0%)	1.5 (3.1%)	0 (0%)
	BN	1.4 (2.9%)	0 (0%)	1.4 (2.9%)	0 (0%)
	D	1.3 (2.9%)	0 (0%)	1.3 (2.9%)	0 (0%)
	C	1.3 (2.6%)	0 (0%)	1.3 (2.6%)	0 (0%)
	All	1.4 (2.8%)	0 (0%)	1.4 (2.8%)	0 (0%)
FEB	W	1.3 (2.6%)	0 (0%)	1.3 (2.6%)	0 (0%)
	AN	1.4 (2.9%)	0 (0%)	1.4 (2.9%)	0 (0%)
	BN	1.5 (3.1%)	0 (0%)	1.5 (3.1%)	0 (0%)
	D	1.6 (3.3%)	0 (0%)	1.6 (3.3%)	0 (0%)
	C	1.6 (3.1%)	0 (0%)	1.6 (3.1%)	0 (0%)
	All	1.5 (3%)	0 (0%)	1.5 (3%)	0 (0%)
MAR	W	1.3 (2.5%)	0 (0%)	1.3 (2.6%)	0 (0%)
	AN	1.7 (3.5%)	0 (0%)	1.7 (3.5%)	0 (0%)
	BN	1.5 (2.9%)	0 (0%)	1.5 (2.9%)	0 (0%)
	D	1.7 (3.3%)	0 (0%)	1.7 (3.3%)	0 (0%)
	C	1.5 (2.7%)	0 (0%)	1.5 (2.7%)	0 (0%)
	All	1.5 (2.9%)	0 (0%)	1.5 (2.9%)	0 (0%)
APR	W	1.5 (2.9%)	0 (0%)	1.5 (2.9%)	0 (0%)
	AN	1.6 (3.1%)	0 (0%)	1.6 (3.1%)	0 (0%)
	BN	1.8 (3.4%)	0 (0%)	1.8 (3.4%)	0 (0%)
	D	1.7 (3.3%)	0 (0%)	1.7 (3.3%)	0 (0%)
	C	1.7 (3.1%)	0 (0%)	1.7 (3.1%)	0 (0%)
	All	1.6 (3.1%)	0 (0%)	1.6 (3.1%)	0 (0%)
MAY	W	1.6 (3%)	0 (0%)	1.6 (3%)	0 (0%)
	AN	1.7 (3.1%)	0 (0%)	1.7 (3.1%)	0 (0%)
	BN	2.2 (3.9%)	0 (0%)	2.2 (3.9%)	0 (0%)
	D	2 (3.5%)	0 (0%)	2 (3.5%)	0 (0%)
	C	2 (3.4%)	0 (0%)	2 (3.4%)	0 (0%)
	All	1.8 (3.3%)	0 (0%)	1.8 (3.3%)	0 (0%)
JUN	W	1.4 (2.5%)	0 (0%)	1.4 (2.5%)	0 (0%)
	AN	1.7 (3%)	0 (0%)	1.7 (3%)	0 (0%)
	BN	2.1 (3.4%)	0 (0%)	2.1 (3.4%)	0 (0%)
	D	2.5 (4%)	0 (0%)	2.5 (4%)	0 (0%)
	C	2.1 (3.4%)	0 (0%)	2.2 (3.4%)	0 (0%)
	All	1.9 (3.2%)	0 (0%)	1.9 (3.2%)	0 (0%)
JUL	W	1.4 (2.4%)	0 (0%)	1.4 (2.4%)	0 (0%)
	AN	2 (3.3%)	0 (0%)	2 (3.3%)	0 (0%)
	BN	2 (3.2%)	0 (0%)	2 (3.2%)	0 (0%)
	D	2.3 (3.6%)	0 (0%)	2.3 (3.6%)	0 (0%)
	C	2.2 (3.4%)	0 (0%)	2.2 (3.3%)	0 (0%)
	All	1.9 (3.1%)	0 (0%)	1.9 (3.1%)	0 (0%)
AUG	W	1.8 (2.9%)	0 (0%)	1.8 (2.9%)	0 (0%)
	AN	1.8 (3%)	0 (0%)	1.8 (3%)	0 (0%)
	BN	1.7 (2.8%)	0 (0%)	1.7 (2.8%)	0 (0%)
	D	1.8 (2.8%)	0 (0%)	1.8 (2.8%)	0 (0%)
	C	2.3 (3.6%)	0 (0%)	2 (3.1%)	-0.3 (-0.4%)
	All	1.9 (3%)	0 (0%)	1.8 (2.9%)	-0.1 (-0.1%)

Alternative 4A_ELT: Stanislaus River at Orange Blossom Bridge					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
SEP	W	1.7 (2.8%)	0 (0%)	1.7 (2.8%)	0 (0%)
	AN	1.9 (3%)	0 (0%)	1.9 (3%)	0 (0%)
	BN	1.8 (2.9%)	0 (0%)	1.8 (2.9%)	0 (0%)
	D	1.8 (2.8%)	0 (0%)	1.8 (2.8%)	0 (0%)
	C	2.1 (3.2%)	0 (0%)	1.9 (2.9%)	-0.2 (-0.3%)
	All	1.8 (3%)	0 (0%)	1.8 (2.9%)	0 (-0.1%)
OCT	W	1.6 (2.6%)	0 (0%)	1.6 (2.6%)	0 (0%)
	AN	1.4 (2.4%)	0 (0%)	1.4 (2.4%)	0 (0%)
	BN	1.4 (2.5%)	0 (0%)	1.4 (2.5%)	0 (0%)
	D	1.6 (2.7%)	0 (0%)	1.6 (2.7%)	0 (0%)
	C	1.7 (2.8%)	0 (0%)	1.7 (2.8%)	0 (0%)
	All	1.5 (2.6%)	0 (0%)	1.5 (2.6%)	0 (0%)
NOV	W	1.4 (2.5%)	0 (0%)	1.4 (2.5%)	0 (0%)
	AN	1.3 (2.4%)	0 (0%)	1.3 (2.4%)	0 (0%)
	BN	1.4 (2.6%)	0 (0%)	1.4 (2.6%)	0 (0%)
	D	1.3 (2.5%)	0 (0%)	1.3 (2.5%)	0 (0%)
	C	1.4 (2.5%)	0 (0%)	1.4 (2.5%)	0 (0%)
	All	1.4 (2.5%)	0 (0%)	1.4 (2.5%)	0 (0%)
DEC	W	1.3 (2.7%)	0 (0%)	1.3 (2.7%)	0 (0%)
	AN	1.3 (2.6%)	0 (0%)	1.3 (2.6%)	0 (0%)
	BN	1.4 (2.8%)	0 (0%)	1.4 (2.8%)	0 (0%)
	D	1.3 (2.5%)	0 (0%)	1.3 (2.5%)	0 (0%)
	C	1.3 (2.5%)	0 (0%)	1.3 (2.5%)	0 (0%)
	All	1.3 (2.6%)	0 (0%)	1.3 (2.6%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.10.20 Stanislaus River at Riverbank

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4A_ELT Model Scenarios in the Stanislaus River at Riverbank, Year-Round

Alternative 4A_ELT: Stanislaus River at Riverbank					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
JAN	W	47	48	48	48
	AN	47	48	48	48
	BN	46	48	48	48
	D	45	47	47	47
	C	46	47	47	47
	All	46	48	48	48
FEB	W	49	51	51	51
	AN	50	51	51	51
	BN	50	51	51	51
	D	50	51	51	51
	C	51	52	52	52
	All	50	51	51	51
MAR	W	51	52	52	52
	AN	52	53	53	53
	BN	53	55	55	55
	D	54	56	56	56
	C	54	55	55	55
	All	52	54	54	54
APR	W	52	53	53	53
	AN	53	55	55	55
	BN	54	56	56	56
	D	54	56	56	56
	C	57	58	58	58
	All	54	55	55	55
MAY	W	56	57	57	57
	AN	57	59	59	59
	BN	58	60	60	60
	D	59	61	61	61
	C	60	62	62	62
	All	58	59	59	59
JUN	W	60	61	61	61
	AN	62	64	64	64
	BN	64	66	66	66
	D	66	69	69	69
	C	66	68	68	68
	All	63	65	65	65
JUL	W	65	67	67	67
	AN	68	70	70	70
	BN	68	70	70	70
	D	68	70	70	70
	C	68	70	70	70
	All	67	69	69	69
AUG	W	65	67	67	67
	AN	67	69	69	69
	BN	67	68	68	68
	D	68	69	69	69
	C	67	69	69	69
	All	66	68	68	68

Alternative 4A_ELT: Stanislaus River at Riverbank					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
SEP	W	64	65	65	65
	AN	66	68	68	68
	BN	66	67	67	67
	D	66	68	68	68
	C	66	68	68	68
	All	65	67	67	67
OCT	W	59	61	61	61
	AN	59	61	61	61
	BN	59	60	60	60
	D	59	60	60	60
	C	61	62	62	62
	All	60	61	61	61
NOV	W	53	55	55	55
	AN	53	54	54	54
	BN	53	54	54	54
	D	53	54	54	54
	C	54	55	55	55
	All	53	54	54	54
DEC	W	48	49	49	49
	AN	48	49	49	49
	BN	47	48	48	48
	D	47	48	48	48
	C	47	48	48	48
	All	47	49	49	49

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Riverbank, Year-Round

Alternative 4A_ELT: Stanislaus River at Riverbank					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
JAN	W	1.3 (2.8%)	0 (0%)	1.3 (2.8%)	0 (0%)
	AN	1.4 (3.1%)	0 (0%)	1.4 (3.1%)	0 (0%)
	BN	1.3 (2.7%)	0 (0%)	1.3 (2.7%)	0 (0%)
	D	1.2 (2.7%)	0 (0%)	1.2 (2.7%)	0 (0%)
	C	1.2 (2.6%)	0 (0%)	1.2 (2.6%)	0 (0%)
	All	1.3 (2.8%)	0 (0%)	1.3 (2.8%)	0 (0%)
FEB	W	1.2 (2.5%)	0 (0%)	1.2 (2.5%)	0 (0%)
	AN	1.4 (2.8%)	0 (0%)	1.4 (2.8%)	0 (0%)
	BN	1.6 (3.1%)	0 (0%)	1.6 (3.1%)	0 (0%)
	D	1.7 (3.3%)	0 (0%)	1.6 (3.3%)	0 (0%)
	C	1.6 (3.1%)	0 (0%)	1.6 (3.1%)	0 (0%)
	All	1.4 (2.9%)	0 (0%)	1.4 (2.9%)	0 (0%)
MAR	W	1.1 (2.1%)	0 (0%)	1.1 (2.1%)	0 (0%)
	AN	1.7 (3.3%)	0 (0%)	1.7 (3.3%)	0 (0%)
	BN	1.3 (2.5%)	0 (0%)	1.3 (2.5%)	0 (0%)
	D	1.7 (3.2%)	0 (0%)	1.7 (3.2%)	0 (0%)
	C	1.4 (2.6%)	0 (0%)	1.4 (2.6%)	0 (0%)
	All	1.4 (2.7%)	0 (0%)	1.4 (2.7%)	0 (0%)
APR	W	1.4 (2.7%)	0 (0%)	1.4 (2.7%)	0 (0%)
	AN	1.6 (2.9%)	0 (0%)	1.6 (2.9%)	0 (0%)
	BN	1.8 (3.4%)	0 (0%)	1.8 (3.4%)	0 (0%)
	D	1.7 (3.2%)	0 (0%)	1.7 (3.2%)	0 (0%)
	C	1.7 (3%)	0 (0%)	1.7 (3%)	0 (0%)
	All	1.6 (3%)	0 (0%)	1.6 (3%)	0 (0%)
MAY	W	1.6 (3%)	0 (0%)	1.6 (3%)	0 (0%)
	AN	1.9 (3.3%)	0 (0%)	1.9 (3.3%)	0 (0%)
	BN	2.4 (4.2%)	0 (0%)	2.4 (4.2%)	0 (0%)
	D	2.1 (3.6%)	0 (0%)	2.1 (3.6%)	0 (0%)
	C	2 (3.3%)	0 (0%)	2 (3.4%)	0 (0%)
	All	2 (3.4%)	0 (0%)	2 (3.4%)	0 (0%)
JUN	W	1.2 (2%)	0 (0%)	1.2 (2%)	0 (0%)
	AN	1.9 (3%)	0 (0%)	1.8 (3%)	0 (0%)
	BN	2 (3.1%)	0 (0%)	2 (3.1%)	0 (0%)
	D	2.3 (3.5%)	0 (0%)	2.4 (3.6%)	0 (0%)
	C	2 (3.1%)	0 (0%)	2.1 (3.1%)	0 (0%)
	All	1.8 (2.8%)	0 (0%)	1.8 (2.8%)	0 (0%)
JUL	W	1.4 (2.1%)	0 (0%)	1.4 (2.1%)	0 (0%)
	AN	2 (2.9%)	0 (0%)	2 (2.9%)	0 (0%)
	BN	1.8 (2.7%)	0 (0%)	1.8 (2.7%)	0 (0%)
	D	2.2 (3.2%)	0 (0%)	2.2 (3.2%)	0 (0%)
	C	2 (2.9%)	0 (0%)	2 (2.9%)	0 (0%)
	All	1.8 (2.7%)	0 (0%)	1.8 (2.7%)	0 (0%)
AUG	W	1.8 (2.8%)	0 (0%)	1.8 (2.9%)	0 (0%)
	AN	1.8 (2.7%)	0 (0%)	1.8 (2.7%)	0 (0%)
	BN	1.6 (2.5%)	0 (0%)	1.6 (2.5%)	0 (0%)
	D	1.7 (2.4%)	0 (0%)	1.7 (2.4%)	0 (0%)
	C	2.1 (3.1%)	0 (0%)	1.8 (2.7%)	-0.2 (-0.4%)
	All	1.8 (2.7%)	0 (0%)	1.8 (2.7%)	0 (-0.1%)

Alternative 4A_ELT: Stanislaus River at Riverbank					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
SEP	W	1.7 (2.7%)	0 (0%)	1.7 (2.7%)	0 (0%)
	AN	1.9 (2.9%)	0 (0%)	1.9 (2.9%)	0 (0%)
	BN	1.8 (2.7%)	0 (0%)	1.8 (2.7%)	0 (0%)
	D	1.8 (2.7%)	0 (0%)	1.8 (2.7%)	0 (0%)
	C	1.9 (2.9%)	0 (0%)	1.7 (2.7%)	-0.2 (-0.3%)
	All	1.8 (2.8%)	0 (0%)	1.8 (2.7%)	0 (-0.1%)
OCT	W	1.4 (2.4%)	0 (0%)	1.4 (2.4%)	0 (0%)
	AN	1.3 (2.2%)	0 (0%)	1.3 (2.2%)	0 (0%)
	BN	1.2 (2.1%)	0 (0%)	1.2 (2.1%)	0 (0%)
	D	1.4 (2.3%)	0 (0%)	1.4 (2.3%)	0 (0%)
	C	1.5 (2.5%)	0 (0%)	1.5 (2.5%)	0 (0%)
	All	1.4 (2.3%)	0 (0%)	1.4 (2.3%)	0 (0%)
NOV	W	1.3 (2.4%)	0 (0%)	1.3 (2.4%)	0 (0%)
	AN	1.2 (2.3%)	0 (0%)	1.2 (2.3%)	0 (0%)
	BN	1.2 (2.3%)	0 (0%)	1.2 (2.3%)	0 (0%)
	D	1.2 (2.2%)	0 (0%)	1.2 (2.2%)	0 (0%)
	C	1.2 (2.3%)	0 (0%)	1.2 (2.3%)	0 (0%)
	All	1.2 (2.3%)	0 (0%)	1.2 (2.3%)	0 (0%)
DEC	W	1.3 (2.7%)	0 (0%)	1.3 (2.7%)	0 (0%)
	AN	1.2 (2.5%)	0 (0%)	1.2 (2.5%)	0 (0%)
	BN	1.2 (2.6%)	0 (0%)	1.2 (2.6%)	0 (0%)
	D	1.1 (2.3%)	0 (0%)	1.1 (2.3%)	0 (0%)
	C	1.1 (2.4%)	0 (0%)	1.1 (2.4%)	0 (0%)
	All	1.2 (2.5%)	0 (0%)	1.2 (2.5%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.10.21 Stanislaus River at the Confluence with the San Joaquin River

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 4A_ELT Model Scenarios in the Stanislaus River at the Confluence with the San Joaquin River, Year-Round

Alternative 4A_ELT: Stanislaus River at the Confluence with the San Joaquin River					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
JAN	W	46	48	48	48
	AN	46	47	47	47
	BN	46	47	47	47
	D	45	46	46	46
	C	45	46	46	46
	All	46	47	47	47
FEB	W	50	51	51	51
	AN	50	52	52	52
	BN	50	51	51	51
	D	50	52	52	52
	C	51	53	53	53
	All	50	52	52	52
MAR	W	52	53	53	53
	AN	53	54	54	54
	BN	54	55	55	55
	D	55	57	57	57
	C	55	56	56	56
	All	54	55	55	55
APR	W	54	55	55	55
	AN	55	57	57	57
	BN	56	58	58	58
	D	57	58	58	58
	C	59	60	60	60
	All	56	57	57	57
MAY	W	59	60	60	60
	AN	60	62	62	62
	BN	60	63	63	63
	D	61	64	64	64
	C	63	65	65	65
	All	60	62	62	62
JUN	W	62	64	64	64
	AN	65	67	67	67
	BN	66	68	68	68
	D	68	70	70	70
	C	68	70	70	70
	All	65	67	67	67
JUL	W	68	69	69	69
	AN	70	72	72	72
	BN	70	71	71	71
	D	70	72	72	72
	C	70	72	72	72
	All	69	71	71	71
AUG	W	67	69	69	69
	AN	69	70	70	70
	BN	68	70	70	70
	D	69	71	71	71
	C	69	70	70	70
	All	68	70	70	70

Alternative 4A_ELT: Stanislaus River at the Confluence with the San Joaquin River					
				A4A_ELT	
Month	Water Year Type	EXISTING CONDITIONS	NAA_ELT	H3_ELT	H4_ELT
SEP	W	65	67	67	67
	AN	67	69	69	69
	BN	67	68	68	68
	D	67	69	69	69
	C	67	68	68	68
	All	66	68	68	68
OCT	W	60	61	61	61
	AN	60	61	61	61
	BN	59	60	60	60
	D	59	61	61	61
	C	61	62	62	62
	All	60	61	61	61
NOV	W	53	54	54	54
	AN	52	53	53	53
	BN	52	53	53	53
	D	52	53	53	53
	C	53	54	54	54
	All	52	54	54	54
DEC	W	47	48	48	48
	AN	46	48	48	48
	BN	45	47	47	47
	D	45	46	46	46
	C	45	46	46	46
	All	46	47	47	47

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at the Confluence with the San Joaquin River, Year-Round

Alternative 4A_ELT: Stanislaus River at the Confluence with the San Joaquin River					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
JAN	W	1.3 (2.9%)	0 (0%)	1.3 (2.9%)	0 (0%)
	AN	1.4 (3%)	0 (0%)	1.4 (3%)	0 (0%)
	BN	1.3 (2.9%)	0 (0%)	1.3 (2.9%)	0 (0%)
	D	1.2 (2.7%)	0 (0%)	1.2 (2.7%)	0 (0%)
	C	1.3 (2.9%)	0 (0%)	1.3 (2.9%)	0 (0%)
	All	1.3 (2.9%)	0 (0%)	1.3 (2.9%)	0 (0%)
FEB	W	1.2 (2.4%)	0 (0%)	1.2 (2.4%)	0 (0%)
	AN	1.4 (2.8%)	0 (0%)	1.4 (2.8%)	0 (0%)
	BN	1.5 (3.1%)	0 (0%)	1.5 (3.1%)	0 (0%)
	D	1.5 (3.1%)	0 (0%)	1.5 (3.1%)	0 (0%)
	C	1.5 (3%)	0 (0%)	1.5 (3%)	0 (0%)
	All	1.4 (2.8%)	0 (0%)	1.4 (2.8%)	0 (0%)
MAR	W	1 (1.9%)	0 (0%)	1 (1.9%)	0 (0%)
	AN	1.6 (3%)	0 (0%)	1.6 (3%)	0 (0%)
	BN	1.2 (2.2%)	0 (0%)	1.2 (2.2%)	0 (0%)
	D	1.6 (2.9%)	0 (0%)	1.6 (2.9%)	0 (0%)
	C	1.3 (2.3%)	0 (0%)	1.3 (2.3%)	0 (0%)
	All	1.3 (2.4%)	0 (0%)	1.3 (2.4%)	0 (0%)
APR	W	1.3 (2.4%)	0 (0%)	1.3 (2.4%)	0 (0%)
	AN	1.5 (2.7%)	0 (0%)	1.5 (2.7%)	0 (0%)
	BN	1.7 (3.1%)	0 (0%)	1.7 (3.1%)	0 (0%)
	D	1.6 (2.9%)	0 (0%)	1.6 (2.9%)	0 (0%)
	C	1.5 (2.6%)	0 (0%)	1.5 (2.6%)	0 (0%)
	All	1.5 (2.7%)	0 (0%)	1.5 (2.7%)	0 (0%)
MAY	W	1.6 (2.8%)	0 (0%)	1.6 (2.8%)	0 (0%)
	AN	2 (3.3%)	0 (0%)	2 (3.3%)	0 (0%)
	BN	2.3 (3.8%)	0 (0%)	2.3 (3.8%)	0 (0%)
	D	2.1 (3.4%)	0 (0%)	2.1 (3.4%)	0 (0%)
	C	1.9 (3%)	0 (0%)	1.9 (3%)	0 (0%)
	All	1.9 (3.2%)	0 (0%)	1.9 (3.2%)	0 (0%)
JUN	W	1.2 (1.9%)	0 (0%)	1.2 (1.9%)	0 (0%)
	AN	1.8 (2.8%)	0 (0%)	1.8 (2.8%)	0 (0%)
	BN	1.8 (2.7%)	0 (0%)	1.8 (2.7%)	0 (0%)
	D	1.9 (2.8%)	0 (0%)	1.9 (2.8%)	0 (0%)
	C	1.8 (2.7%)	0 (0%)	1.8 (2.7%)	0 (0%)
	All	1.7 (2.5%)	0 (0%)	1.7 (2.5%)	0 (0%)
JUL	W	1.4 (2.1%)	0 (0%)	1.4 (2.1%)	0 (0%)
	AN	1.8 (2.5%)	0 (0%)	1.8 (2.5%)	0 (0%)
	BN	1.6 (2.3%)	0 (0%)	1.6 (2.3%)	0 (0%)
	D	1.8 (2.6%)	0 (0%)	1.8 (2.6%)	0 (0%)
	C	1.8 (2.5%)	0 (0%)	1.8 (2.5%)	0 (0%)
	All	1.7 (2.4%)	0 (0%)	1.7 (2.4%)	0 (0%)
AUG	W	1.9 (2.8%)	0 (0%)	1.9 (2.8%)	0 (0%)
	AN	1.7 (2.4%)	0 (0%)	1.7 (2.4%)	0 (0%)
	BN	1.6 (2.3%)	0 (0%)	1.6 (2.3%)	0 (0%)
	D	1.6 (2.3%)	0 (0%)	1.6 (2.3%)	0 (0%)
	C	1.9 (2.8%)	0 (0%)	1.6 (2.4%)	-0.3 (-0.4%)
	All	1.8 (2.6%)	0 (0%)	1.7 (2.5%)	-0.1 (-0.1%)

Alternative 4A_ELT: Stanislaus River at the Confluence with the San Joaquin River					
Month	**Water Year Type**	**EXISTING CONDITIONS vs. H3_ELT**	**NAA_ELT vs. H3_ELT**	**EXISTING CONDITIONS vs. H4_ELT**	**NAA_ELT vs. H4_ELT**
SEP	W	1.8 (2.7%)	0 (0%)	1.8 (2.7%)	0 (0%)
	AN	1.8 (2.7%)	0 (0%)	1.8 (2.7%)	0 (0%)
	BN	1.8 (2.6%)	0 (0%)	1.8 (2.6%)	0 (0%)
	D	1.7 (2.6%)	0 (0%)	1.7 (2.6%)	0 (0%)
	C	1.8 (2.7%)	0 (0%)	1.6 (2.5%)	-0.2 (-0.3%)
	All	1.8 (2.7%)	0 (0%)	1.7 (2.6%)	0 (-0.1%)
OCT	W	1.3 (2.2%)	0 (0%)	1.3 (2.2%)	0 (0%)
	AN	1.2 (2%)	0 (0%)	1.2 (2%)	0 (0%)
	BN	1.1 (1.8%)	0 (0%)	1.1 (1.8%)	0 (0%)
	D	1.3 (2.1%)	0 (0%)	1.3 (2.1%)	0 (0%)
	C	1.5 (2.4%)	0 (0%)	1.5 (2.4%)	0 (0%)
	All	1.3 (2.1%)	0 (0%)	1.3 (2.1%)	0 (0%)
NOV	W	1.2 (2.3%)	0 (0%)	1.2 (2.3%)	0 (0%)
	AN	1.2 (2.3%)	0 (0%)	1.2 (2.3%)	0 (0%)
	BN	1.2 (2.3%)	0 (0%)	1.2 (2.3%)	0 (0%)
	D	1.1 (2.2%)	0 (0%)	1.1 (2.2%)	0 (0%)
	C	1.2 (2.2%)	0 (0%)	1.2 (2.2%)	0 (0%)
	All	1.2 (2.3%)	0 (0%)	1.2 (2.3%)	0 (0%)
DEC	W	1.3 (2.7%)	0 (0%)	1.3 (2.7%)	0 (0%)
	AN	1.2 (2.5%)	0 (0%)	1.2 (2.5%)	0 (0%)
	BN	1.2 (2.7%)	0 (0%)	1.2 (2.7%)	0 (0%)
	D	1 (2.2%)	0 (0%)	1 (2.2%)	0 (0%)
	C	1.1 (2.4%)	0 (0%)	1.1 (2.4%)	0 (0%)
	All	1.2 (2.5%)	0 (0%)	1.2 (2.5%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.11 Alternative 2D and 5A

11D.11.1 Sacramento River at Keswick

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 2D Model Scenarios in the Sacramento River at Keswick, Year-Round

Alternative 2D and 5A: Sacramento River at Keswick					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JAN	W	46	46	46	46
	AN	46	47	47	47
	BN	47	47	47	47
	D	47	47	47	48
	C	47	47	47	47
	All	46	47	47	47
FEB	W	45	46	46	46
	AN	46	46	46	46
	BN	46	46	46	46
	D	46	47	47	47
	C	46	47	47	47
	All	46	46	46	46
MAR	W	46	47	47	47
	AN	46	47	47	47
	BN	47	47	48	47
	D	47	48	48	48
	C	48	49	49	49
	All	47	47	47	47
APR	W	47	48	48	48
	AN	48	49	49	49
	BN	48	49	49	49
	D	48	49	49	49
	C	49	50	50	50
	All	48	49	49	49
MAY	W	49	49	49	49
	AN	49	50	50	50
	BN	49	50	50	50
	D	49	50	50	50
	C	51	52	52	52
	All	49	50	50	50
JUN	W	50	50	50	50
	AN	50	50	50	50
	BN	50	50	50	50
	D	50	51	51	51
	C	53	54	53	53
	All	50	51	51	51

Alternative 2D and 5A: Sacramento River at Keswick					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JUL	W	51	51	51	51
	AN	51	51	51	51
	BN	51	51	51	51
	D	51	52	52	52
	C	54	57	57	56
	All	51	52	52	52
AUG	W	52	53	53	53
	AN	52	53	53	53
	BN	52	53	53	53
	D	53	54	54	55
	C	57	60	60	60
	All	53	54	54	54
SEP	W	53	54	54	54
	AN	54	54	55	55
	BN	54	55	55	55
	D	55	57	57	57
	C	60	64	63	63
	All	55	56	56	56
OCT	W	54	55	55	55
	AN	54	55	55	55
	BN	54	56	55	56
	D	55	57	57	57
	C	56	58	58	58
	All	54	56	56	56
NOV	W	53	54	54	54
	AN	52	53	53	53
	BN	53	54	54	54
	D	53	54	54	54
	C	54	55	55	55
	All	53	54	54	54
DEC	W	49	50	50	50
	AN	49	50	50	50
	BN	50	51	51	51
	D	50	51	51	51
	C	51	51	51	51
	All	50	50	50	50

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Keswick, Year-Round

Alternative 2D and 5A: Sacramento River at Keswick					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JAN	W	0.5 (1.2%)	0 (0.1%)	0.5 (1.1%)	0 (0.1%)
	AN	0.7 (1.4%)	0 (0%)	0.6 (1.4%)	0 (0%)
	BN	0.8 (1.7%)	0.1 (0.1%)	0.8 (1.7%)	0.1 (0.1%)
	D	0.8 (1.7%)	0 (0.1%)	0.8 (1.8%)	0.1 (0.2%)
	C	0.9 (1.9%)	0.1 (0.2%)	0.9 (1.9%)	0.1 (0.3%)
	All	0.7 (1.5%)	0 (0.1%)	0.7 (1.5%)	0.1 (0.1%)
FEB	W	0.8 (1.7%)	0 (0.1%)	0.7 (1.6%)	0 (0%)
	AN	0.8 (1.8%)	0.1 (0.2%)	0.8 (1.7%)	0 (0.1%)
	BN	0.8 (1.8%)	0.1 (0.1%)	0.8 (1.8%)	0 (0.1%)
	D	0.9 (1.9%)	0 (0%)	0.9 (1.9%)	0 (0%)
	C	0.9 (1.9%)	0 (0.1%)	0.9 (1.9%)	0 (0%)
	All	0.8 (1.8%)	0 (0.1%)	0.8 (1.8%)	0 (0%)
MAR	W	0.7 (1.6%)	0 (0.1%)	0.7 (1.5%)	0 (0%)
	AN	0.9 (1.9%)	0.1 (0.2%)	0.8 (1.7%)	0 (0%)
	BN	0.8 (1.8%)	0.1 (0.3%)	0.7 (1.5%)	0 (-0.1%)
	D	0.8 (1.7%)	0 (0.1%)	0.8 (1.6%)	0 (0%)
	C	0.9 (1.8%)	0 (0%)	0.8 (1.8%)	0 (0%)
	All	0.8 (1.7%)	0.1 (0.1%)	0.7 (1.6%)	0 (0%)
APR	W	0.8 (1.7%)	0 (0.1%)	0.8 (1.6%)	0 (0%)
	AN	0.8 (1.7%)	0.1 (0.2%)	0.8 (1.6%)	0 (0.1%)
	BN	0.8 (1.6%)	0.1 (0.2%)	0.7 (1.5%)	0.1 (0.1%)
	D	0.7 (1.4%)	0 (-0.1%)	0.7 (1.4%)	0 (-0.1%)
	C	0.9 (1.9%)	0 (-0.1%)	0.9 (1.9%)	0 (0%)
	All	0.8 (1.6%)	0 (0.1%)	0.8 (1.6%)	0 (0%)
MAY	W	0.9 (1.8%)	0 (0%)	0.9 (1.8%)	0 (0%)
	AN	0.6 (1.1%)	-0.2 (-0.3%)	0.6 (1.3%)	-0.1 (-0.2%)
	BN	0.9 (1.7%)	0 (0%)	0.8 (1.7%)	0 (0%)
	D	0.8 (1.5%)	-0.1 (-0.2%)	0.8 (1.6%)	-0.1 (-0.2%)
	C	0.9 (1.8%)	0 (0%)	0.9 (1.8%)	0 (0%)
	All	0.8 (1.6%)	-0.1 (-0.1%)	0.8 (1.6%)	0 (-0.1%)
JUN	W	0.4 (0.8%)	0 (-0.1%)	0.4 (0.9%)	0 (0%)
	AN	0.6 (1.2%)	0 (0%)	0.6 (1.3%)	0.1 (0.1%)
	BN	0.5 (1%)	0 (0%)	0.5 (1%)	0 (0.1%)
	D	0.9 (1.8%)	0 (-0.1%)	0.9 (1.8%)	0 (-0.1%)
	C	0.9 (1.7%)	-0.2 (-0.3%)	0.8 (1.5%)	-0.3 (-0.5%)
	All	0.6 (1.2%)	0 (-0.1%)	0.6 (1.2%)	0 (-0.1%)
JUL	W	0.5 (1%)	0.1 (0.2%)	0.3 (0.6%)	0 (-0.1%)
	AN	0.9 (1.7%)	0.3 (0.5%)	0.7 (1.4%)	0.1 (0.2%)
	BN	0.7 (1.3%)	0.1 (0.1%)	0.6 (1.2%)	0 (0%)
	D	1.1 (2.2%)	0.1 (0.3%)	0.9 (1.7%)	-0.1 (-0.2%)
	C	2.3 (4.3%)	0 (0%)	2.2 (4.1%)	-0.1 (-0.2%)
	All	1 (1.9%)	0.1 (0.2%)	0.8 (1.6%)	0 (-0.1%)

Alternative 2D and 5A: Sacramento River at Keswick					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
AUG	W	1 (1.9%)	0.1 (0.2%)	0.9 (1.7%)	0 (0%)
	AN	1 (1.8%)	0.2 (0.4%)	0.8 (1.5%)	0 (0.1%)
	BN	1.3 (2.6%)	0.3 (0.5%)	1.1 (2.2%)	0.1 (0.1%)
	D	1.7 (3.2%)	0.3 (0.5%)	2 (3.7%)	0.5 (1%)
	C	3.5 (6.2%)	-0.3 (-0.4%)	3.7 (6.6%)	-0.1 (-0.1%)
	All	1.6 (3%)	0.1 (0.2%)	1.6 (2.9%)	0.1 (0.2%)
SEP	W	0.6 (1.2%)	0.1 (0.2%)	0.7 (1.4%)	0.2 (0.4%)
	AN	1.1 (2.1%)	0.6 (1%)	0.9 (1.7%)	0.3 (0.6%)
	BN	1.8 (3.4%)	0.8 (1.5%)	1.6 (2.9%)	0.6 (1%)
	D	1.9 (3.6%)	0 (0%)	2.3 (4.2%)	0.3 (0.6%)
	C	3.1 (5.1%)	-0.3 (-0.5%)	2.9 (4.8%)	-0.5 (-0.8%)
	All	1.5 (2.8%)	0.2 (0.4%)	1.5 (2.8%)	0.2 (0.4%)
OCT	W	1.4 (2.6%)	0.1 (0.1%)	1.6 (2.9%)	0.2 (0.4%)
	AN	1.3 (2.5%)	0 (0%)	1.6 (2.9%)	0.2 (0.4%)
	BN	1.2 (2.2%)	-0.1 (-0.1%)	1.3 (2.4%)	0 (0.1%)
	D	1.8 (3.4%)	0.2 (0.3%)	1.7 (3.1%)	0 (0%)
	C	1.3 (2.3%)	-0.5 (-0.8%)	1.6 (2.8%)	-0.2 (-0.3%)
	All	1.5 (2.7%)	0 (0%)	1.6 (2.9%)	0.1 (0.1%)
NOV	W	1 (2%)	-0.1 (-0.1%)	1 (2%)	-0.1 (-0.1%)
	AN	0.9 (1.7%)	-0.1 (-0.3%)	1 (1.9%)	-0.1 (-0.1%)
	BN	0.8 (1.5%)	-0.2 (-0.4%)	0.9 (1.7%)	-0.1 (-0.2%)
	D	1.1 (2.1%)	0 (0%)	1 (1.9%)	-0.1 (-0.1%)
	C	1 (1.8%)	-0.2 (-0.3%)	1.1 (2%)	-0.1 (-0.1%)
	All	1 (1.9%)	-0.1 (-0.2%)	1 (1.9%)	-0.1 (-0.1%)
DEC	W	0.5 (1.1%)	0 (0.1%)	0.5 (1.1%)	0 (0%)
	AN	0.7 (1.5%)	-0.1 (-0.3%)	0.7 (1.5%)	-0.1 (-0.3%)
	BN	0.8 (1.5%)	-0.1 (-0.3%)	0.8 (1.7%)	-0.1 (-0.1%)
	D	0.8 (1.6%)	-0.1 (-0.1%)	0.8 (1.6%)	0 (-0.1%)
	C	0.8 (1.5%)	-0.1 (-0.1%)	0.8 (1.6%)	0 (-0.1%)
	All	0.7 (1.4%)	-0.1 (-0.1%)	0.7 (1.4%)	0 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.11.2 Sacramento River at Jelly's Ferry

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 2D Model Scenarios in the Sacramento River at Jelly's Ferry, Year-Round

Alternative 2D and 5A: Sacramento River at Jelly's Ferry					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JAN	W	45	46	46	46
	AN	45	46	46	46
	BN	45	46	46	46
	D	45	46	46	46
	C	45	46	46	46
	All	45	46	46	46
FEB	W	46	47	47	47
	AN	46	47	47	47
	BN	46	47	47	47
	D	46	47	47	47
	C	47	48	48	48
	All	46	47	47	47
MAR	W	48	49	49	49
	AN	49	50	50	50
	BN	49	50	50	50
	D	50	51	51	50
	C	50	51	51	51
	All	49	50	50	50
APR	W	51	52	52	52
	AN	53	54	54	54
	BN	53	54	54	54
	D	52	53	53	53
	C	52	53	53	53
	All	52	53	53	53
MAY	W	54	56	56	56
	AN	55	56	55	56
	BN	54	56	56	56
	D	54	55	55	55
	C	55	56	56	56
	All	54	56	56	56
JUN	W	55	56	56	56
	AN	55	55	55	55
	BN	54	55	55	55
	D	54	55	55	55
	C	56	57	57	57
	All	55	56	56	56
JUL	W	56	56	56	56
	AN	55	55	55	55
	BN	55	55	55	55
	D	55	56	56	56
	C	57	60	60	60
	All	55	56	56	56

Alternative 2D and 5A: Sacramento River at Jelly's Ferry					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
AUG	W	56	57	57	57
	AN	56	57	57	57
	BN	56	57	57	57
	D	56	58	59	59
	C	59	63	63	63
	All	57	58	58	58
SEP	W	56	56	56	56
	AN	57	57	58	57
	BN	57	58	59	59
	D	58	60	60	61
	C	61	64	64	64
	All	58	59	59	59
OCT	W	54	56	56	56
	AN	54	56	56	56
	BN	55	56	56	56
	D	55	57	57	57
	C	56	58	58	58
	All	55	56	56	56
NOV	W	51	52	52	52
	AN	51	52	52	52
	BN	51	52	52	52
	D	51	52	52	52
	C	52	53	53	53
	All	51	52	52	52
DEC	W	47	47	47	47
	AN	47	47	47	47
	BN	47	48	48	48
	D	47	48	48	48
	C	47	48	48	48
	All	47	48	48	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Jelly's Ferry, Year-Round

Alternative 2D and 5A: Sacramento River at Jelly's Ferry					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JAN	W	0.6 (1.4%)	0 (0.1%)	0.6 (1.4%)	0 (0%)
	AN	0.7 (1.5%)	0 (0%)	0.7 (1.5%)	0 (0%)
	BN	0.8 (1.8%)	0 (0.1%)	0.8 (1.8%)	0 (0.1%)
	D	0.8 (1.8%)	0 (0%)	0.9 (2%)	0.1 (0.2%)
	C	1 (2.2%)	0 (0%)	1.1 (2.4%)	0.1 (0.2%)
	All	0.8 (1.7%)	0 (0.1%)	0.8 (1.8%)	0 (0.1%)
FEB	W	0.8 (1.8%)	0 (0%)	0.8 (1.7%)	0 (0%)
	AN	0.8 (1.7%)	0 (0.1%)	0.8 (1.7%)	0 (0%)
	BN	0.9 (1.9%)	0 (0.1%)	0.9 (1.9%)	0 (0%)
	D	1 (2.2%)	0 (0%)	1 (2.1%)	0 (0%)
	C	1 (2.2%)	0 (0%)	1 (2.2%)	0 (0%)
	All	0.9 (1.9%)	0 (0%)	0.9 (1.9%)	0 (0%)
MAR	W	0.7 (1.4%)	0 (0%)	0.7 (1.4%)	0 (0%)
	AN	0.7 (1.4%)	0 (0%)	0.7 (1.4%)	0 (-0.1%)
	BN	0.8 (1.6%)	0 (0%)	0.7 (1.5%)	0 (-0.1%)
	D	0.8 (1.5%)	0 (0%)	0.7 (1.5%)	0 (0%)
	C	0.7 (1.4%)	0 (-0.1%)	0.7 (1.4%)	0 (-0.1%)
	All	0.7 (1.5%)	0 (0%)	0.7 (1.4%)	0 (0%)
APR	W	0.8 (1.7%)	0 (0%)	0.8 (1.6%)	0 (0%)
	AN	0.8 (1.5%)	0 (0%)	0.8 (1.5%)	0 (0%)
	BN	0.9 (1.8%)	0 (0%)	0.9 (1.7%)	0 (0%)
	D	0.8 (1.5%)	-0.1 (-0.1%)	0.8 (1.5%)	-0.1 (-0.1%)
	C	0.9 (1.8%)	0 (0%)	0.9 (1.8%)	0 (0%)
	All	0.9 (1.6%)	0 (0%)	0.8 (1.6%)	0 (0%)
MAY	W	1.6 (2.9%)	-0.1 (-0.1%)	1.6 (3%)	0 (0%)
	AN	0.6 (1.1%)	-0.6 (-1.1%)	0.9 (1.6%)	-0.3 (-0.6%)
	BN	1.2 (2.2%)	-0.2 (-0.4%)	1.4 (2.5%)	-0.1 (-0.1%)
	D	1 (1.9%)	-0.3 (-0.5%)	1.1 (2%)	-0.2 (-0.4%)
	C	1 (1.7%)	-0.1 (-0.2%)	1 (1.9%)	0 (0%)
	All	1.2 (2.1%)	-0.2 (-0.4%)	1.3 (2.3%)	-0.1 (-0.2%)
JUN	W	0.7 (1.2%)	-0.2 (-0.3%)	0.8 (1.5%)	0 (-0.1%)
	AN	0.5 (0.9%)	-0.3 (-0.5%)	0.7 (1.3%)	-0.1 (-0.1%)
	BN	0.6 (1.1%)	-0.2 (-0.4%)	0.7 (1.3%)	-0.1 (-0.2%)
	D	0.8 (1.5%)	-0.2 (-0.4%)	0.9 (1.6%)	-0.2 (-0.3%)
	C	0.8 (1.5%)	-0.2 (-0.3%)	0.7 (1.3%)	-0.3 (-0.5%)
	All	0.7 (1.3%)	-0.2 (-0.4%)	0.8 (1.4%)	-0.1 (-0.2%)
JUL	W	0.5 (0.9%)	0.1 (0.1%)	0.3 (0.6%)	-0.1 (-0.2%)
	AN	0.8 (1.5%)	0.2 (0.3%)	0.6 (1.1%)	0 (0%)
	BN	0.7 (1.3%)	-0.1 (-0.1%)	0.7 (1.3%)	0 (-0.1%)
	D	1.2 (2.1%)	0.1 (0.3%)	0.8 (1.4%)	-0.2 (-0.4%)
	C	2.3 (4%)	0 (0%)	2.2 (3.9%)	-0.1 (-0.1%)
	All	1 (1.8%)	0.1 (0.1%)	0.8 (1.5%)	-0.1 (-0.2%)

Alternative 2D and 5A: Sacramento River at Jelly's Ferry					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
AUG	W	1.3 (2.4%)	0 (0.1%)	1.1 (2%)	-0.2 (-0.3%)
	AN	1 (1.8%)	0.2 (0.3%)	0.8 (1.5%)	0 (-0.1%)
	BN	1.4 (2.5%)	0 (0%)	1.3 (2.3%)	-0.1 (-0.1%)
	D	2.2 (3.8%)	0.6 (1%)	2.2 (3.9%)	0.6 (1%)
	C	3.4 (5.7%)	-0.1 (-0.2%)	3.6 (6.1%)	0.1 (0.2%)
	All	1.8 (3.1%)	0.1 (0.2%)	1.7 (3%)	0.1 (0.1%)
SEP	W	0.3 (0.6%)	0.2 (0.3%)	0.3 (0.6%)	0.2 (0.3%)
	AN	0.7 (1.2%)	0.9 (1.6%)	0.2 (0.3%)	0.4 (0.7%)
	BN	2 (3.5%)	0.8 (1.4%)	1.8 (3.2%)	0.6 (1.1%)
	D	2.6 (4.5%)	0.2 (0.4%)	2.8 (4.9%)	0.5 (0.8%)
	C	2.8 (4.6%)	-0.1 (-0.2%)	2.8 (4.5%)	-0.2 (-0.3%)
	All	1.5 (2.7%)	0.4 (0.6%)	1.5 (2.6%)	0.3 (0.5%)
OCT	W	1.4 (2.5%)	0 (0.1%)	1.5 (2.8%)	0.2 (0.3%)
	AN	1.3 (2.4%)	0 (0.1%)	1.5 (2.7%)	0.2 (0.4%)
	BN	1.3 (2.4%)	0 (0%)	1.4 (2.5%)	0 (0.1%)
	D	1.6 (2.9%)	0.1 (0.2%)	1.5 (2.7%)	0 (0%)
	C	1.3 (2.4%)	-0.4 (-0.6%)	1.5 (2.7%)	-0.2 (-0.3%)
	All	1.4 (2.5%)	0 (0%)	1.5 (2.7%)	0.1 (0.1%)
NOV	W	0.9 (1.8%)	-0.2 (-0.4%)	1 (1.9%)	-0.2 (-0.3%)
	AN	0.8 (1.6%)	-0.3 (-0.6%)	0.9 (1.8%)	-0.2 (-0.4%)
	BN	0.8 (1.5%)	-0.4 (-0.7%)	0.8 (1.7%)	-0.3 (-0.5%)
	D	0.9 (1.7%)	-0.1 (-0.2%)	0.8 (1.6%)	-0.2 (-0.3%)
	C	0.9 (1.7%)	-0.2 (-0.3%)	1 (1.9%)	-0.1 (-0.2%)
	All	0.9 (1.7%)	-0.2 (-0.4%)	0.9 (1.8%)	-0.2 (-0.4%)
DEC	W	0.5 (1.1%)	0 (0%)	0.5 (1.1%)	0 (0%)
	AN	0.7 (1.5%)	-0.2 (-0.4%)	0.7 (1.6%)	-0.1 (-0.3%)
	BN	0.7 (1.5%)	-0.1 (-0.2%)	0.8 (1.7%)	0 (-0.1%)
	D	0.8 (1.7%)	0 (0%)	0.8 (1.7%)	0 (0%)
	C	0.9 (1.9%)	0 (0.1%)	0.9 (1.9%)	0.1 (0.1%)
	All	0.7 (1.5%)	0 (-0.1%)	0.7 (1.5%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.11.3 Sacramento River at Bend Bridge

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 2D Model Scenarios in the Sacramento River at Bend Bridge, Year-Round

Alternative 2D and 5A: Sacramento River at Bend Bridge					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JAN	W	45	46	46	46
	AN	45	46	46	46
	BN	45	45	45	45
	D	45	46	46	46
	C	45	46	46	46
	All	45	46	46	46
FEB	W	46	47	47	47
	AN	46	47	47	47
	BN	46	47	47	47
	D	46	47	47	47
	C	47	48	48	48
	All	46	47	47	47
MAR	W	48	49	49	49
	AN	49	50	50	50
	BN	49	50	50	50
	D	50	51	51	51
	C	50	51	51	51
	All	49	50	50	50
APR	W	51	52	52	52
	AN	53	54	54	54
	BN	53	54	54	54
	D	53	54	54	54
	C	52	53	53	53
	All	52	53	53	53
MAY	W	54	56	56	56
	AN	55	57	56	56
	BN	55	56	56	56
	D	55	56	56	56
	C	55	57	56	57
	All	55	56	56	56
JUN	W	56	57	56	56
	AN	55	56	56	56
	BN	55	56	56	56
	D	55	56	56	56
	C	57	58	57	57
	All	55	56	56	56
JUL	W	56	57	57	57
	AN	55	56	56	56
	BN	55	56	56	56
	D	56	57	57	56
	C	58	60	60	60
	All	56	57	57	57

Alternative 2D and 5A: Sacramento River at Bend Bridge					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
AUG	W	57	58	58	58
	AN	57	58	58	58
	BN	56	58	58	58
	D	57	59	59	59
	C	60	63	63	64
	All	57	59	59	59
SEP	W	57	57	57	57
	AN	58	58	59	58
	BN	58	59	60	59
	D	58	61	61	61
	C	62	65	65	65
	All	58	59	60	60
OCT	W	54	56	56	56
	AN	55	56	56	56
	BN	55	56	56	56
	D	55	57	57	57
	C	56	58	58	58
	All	55	56	56	56
NOV	W	51	52	51	51
	AN	51	52	51	52
	BN	51	52	52	52
	D	51	52	52	52
	C	52	53	53	53
	All	51	52	52	52
DEC	W	47	47	47	47
	AN	46	47	47	47
	BN	47	47	47	47
	D	46	47	47	47
	C	47	48	48	48
	All	47	47	47	47

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Bend Bridge, Year-Round

Alternative 2D and 5A: Sacramento River at Bend Bridge					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JAN	W	0.7 (1.4%)	0 (0.1%)	0.6 (1.4%)	0 (0%)
	AN	0.7 (1.6%)	0 (0%)	0.7 (1.5%)	0 (0%)
	BN	0.8 (1.9%)	0 (0.1%)	0.8 (1.9%)	0 (0.1%)
	D	0.8 (1.9%)	0 (0%)	0.9 (2%)	0.1 (0.2%)
	C	1 (2.2%)	0 (-0.1%)	1.1 (2.5%)	0.1 (0.2%)
	All	0.8 (1.7%)	0 (0.1%)	0.8 (1.8%)	0 (0.1%)
FEB	W	0.8 (1.8%)	0 (0%)	0.8 (1.8%)	0 (0%)
	AN	0.8 (1.8%)	0 (0.1%)	0.8 (1.7%)	0 (0%)
	BN	0.9 (2%)	0 (0.1%)	0.9 (1.9%)	0 (0%)
	D	1 (2.2%)	0 (0%)	1 (2.2%)	0 (0%)
	C	1 (2.2%)	0 (0%)	1.1 (2.2%)	0 (0%)
	All	0.9 (2%)	0 (0%)	0.9 (2%)	0 (0%)
MAR	W	0.7 (1.4%)	0 (0%)	0.7 (1.4%)	0 (0%)
	AN	0.7 (1.4%)	0 (0%)	0.7 (1.4%)	0 (-0.1%)
	BN	0.8 (1.6%)	0 (0%)	0.7 (1.5%)	0 (-0.1%)
	D	0.8 (1.6%)	0 (0%)	0.7 (1.5%)	0 (0%)
	C	0.7 (1.4%)	-0.1 (-0.1%)	0.7 (1.4%)	0 (-0.1%)
	All	0.7 (1.5%)	0 (0%)	0.7 (1.4%)	0 (0%)
APR	W	0.8 (1.6%)	0 (0%)	0.8 (1.6%)	0 (0%)
	AN	0.8 (1.5%)	0 (0%)	0.8 (1.5%)	0 (0%)
	BN	0.9 (1.8%)	0 (0%)	0.9 (1.7%)	0 (0%)
	D	0.8 (1.5%)	-0.1 (-0.1%)	0.8 (1.5%)	-0.1 (-0.1%)
	C	0.9 (1.7%)	0 (0%)	0.9 (1.7%)	0 (0%)
	All	0.9 (1.6%)	0 (0%)	0.8 (1.6%)	0 (0%)
MAY	W	1.6 (2.9%)	-0.1 (-0.1%)	1.7 (3%)	0 (0%)
	AN	0.6 (1.1%)	-0.6 (-1.1%)	0.9 (1.7%)	-0.3 (-0.6%)
	BN	1.2 (2.3%)	-0.3 (-0.5%)	1.4 (2.6%)	-0.1 (-0.1%)
	D	1.1 (2%)	-0.3 (-0.5%)	1.1 (2%)	-0.2 (-0.4%)
	C	1 (1.8%)	-0.1 (-0.2%)	1.1 (1.9%)	0 (0%)
	All	1.2 (2.2%)	-0.2 (-0.4%)	1.3 (2.4%)	-0.1 (-0.2%)
JUN	W	0.7 (1.3%)	-0.2 (-0.3%)	0.8 (1.5%)	0 (-0.1%)
	AN	0.5 (0.9%)	-0.3 (-0.5%)	0.7 (1.3%)	-0.1 (-0.2%)
	BN	0.6 (1.1%)	-0.2 (-0.4%)	0.7 (1.3%)	-0.1 (-0.2%)
	D	0.8 (1.5%)	-0.2 (-0.4%)	0.9 (1.6%)	-0.2 (-0.3%)
	C	0.8 (1.4%)	-0.2 (-0.3%)	0.8 (1.3%)	-0.3 (-0.4%)
	All	0.7 (1.3%)	-0.2 (-0.4%)	0.8 (1.4%)	-0.1 (-0.2%)
JUL	W	0.5 (0.9%)	0.1 (0.1%)	0.3 (0.6%)	-0.1 (-0.2%)
	AN	0.8 (1.5%)	0.2 (0.3%)	0.6 (1.1%)	0 (0%)
	BN	0.7 (1.3%)	-0.1 (-0.1%)	0.7 (1.3%)	0 (-0.1%)
	D	1.2 (2.1%)	0.2 (0.3%)	0.8 (1.3%)	-0.3 (-0.5%)
	C	2.3 (3.9%)	0 (0%)	2.2 (3.8%)	-0.1 (-0.1%)
	All	1 (1.7%)	0.1 (0.1%)	0.8 (1.4%)	-0.1 (-0.2%)

Alternative 2D and 5A: Sacramento River at Bend Bridge					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
AUG	W	1.4 (2.4%)	0 (0.1%)	1.1 (2%)	-0.2 (-0.3%)
	AN	1 (1.8%)	0.1 (0.2%)	0.8 (1.5%)	-0.1 (-0.1%)
	BN	1.4 (2.4%)	0 (0%)	1.3 (2.3%)	-0.1 (-0.1%)
	D	2.2 (3.9%)	0.6 (1%)	2.2 (3.9%)	0.6 (1%)
	C	3.4 (5.6%)	-0.1 (-0.2%)	3.6 (6%)	0.1 (0.2%)
	All	1.8 (3.1%)	0.1 (0.2%)	1.7 (3%)	0.1 (0.1%)
SEP	W	0.3 (0.6%)	0.2 (0.3%)	0.3 (0.6%)	0.2 (0.3%)
	AN	0.7 (1.1%)	1 (1.7%)	0.1 (0.2%)	0.4 (0.7%)
	BN	2 (3.5%)	0.8 (1.3%)	1.8 (3.2%)	0.6 (1%)
	D	2.7 (4.6%)	0.2 (0.4%)	2.9 (5%)	0.5 (0.8%)
	C	2.8 (4.5%)	-0.1 (-0.1%)	2.7 (4.4%)	-0.1 (-0.2%)
	All	1.5 (2.6%)	0.4 (0.6%)	1.5 (2.5%)	0.3 (0.5%)
OCT	W	1.4 (2.5%)	0 (0.1%)	1.5 (2.8%)	0.2 (0.3%)
	AN	1.3 (2.4%)	0 (0.1%)	1.5 (2.7%)	0.2 (0.4%)
	BN	1.4 (2.5%)	0 (0%)	1.4 (2.5%)	0 (0.1%)
	D	1.6 (2.8%)	0.1 (0.2%)	1.5 (2.6%)	0 (0%)
	C	1.3 (2.4%)	-0.3 (-0.6%)	1.5 (2.7%)	-0.2 (-0.3%)
	All	1.4 (2.5%)	0 (0%)	1.5 (2.7%)	0.1 (0.1%)
NOV	W	0.9 (1.8%)	-0.2 (-0.5%)	1 (1.9%)	-0.2 (-0.3%)
	AN	0.8 (1.6%)	-0.3 (-0.6%)	0.9 (1.8%)	-0.2 (-0.4%)
	BN	0.8 (1.5%)	-0.4 (-0.7%)	0.9 (1.7%)	-0.3 (-0.6%)
	D	0.9 (1.7%)	-0.1 (-0.3%)	0.8 (1.7%)	-0.2 (-0.3%)
	C	0.9 (1.8%)	-0.2 (-0.3%)	1 (1.9%)	-0.1 (-0.2%)
	All	0.9 (1.7%)	-0.2 (-0.5%)	0.9 (1.8%)	-0.2 (-0.4%)
DEC	W	0.5 (1.2%)	0 (0%)	0.5 (1.2%)	0 (0%)
	AN	0.7 (1.5%)	-0.2 (-0.4%)	0.8 (1.7%)	-0.1 (-0.3%)
	BN	0.7 (1.6%)	-0.1 (-0.2%)	0.8 (1.7%)	0 (-0.1%)
	D	0.8 (1.8%)	0 (0.1%)	0.8 (1.7%)	0 (0%)
	C	0.9 (2%)	0.1 (0.1%)	0.9 (2%)	0.1 (0.1%)
	All	0.7 (1.5%)	0 (-0.1%)	0.7 (1.6%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.11.4 Sacramento River at Red Bluff Diversion Dam

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 2D Model Scenarios in the Sacramento River at Red Bluff Diversion Dam, Year-Round

Alternative 2D and 5A: Sacramento River at Red Bluff Diversion Dam					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JAN	W	45	46	46	46
	AN	45	46	46	46
	BN	44	45	45	45
	D	44	45	45	45
	C	44	45	45	46
	All	45	45	45	46
FEB	W	46	47	47	47
	AN	46	47	47	47
	BN	46	47	47	47
	D	46	47	47	47
	C	47	48	48	48
	All	46	47	47	47
MAR	W	48	49	49	49
	AN	49	50	50	50
	BN	49	50	50	50
	D	50	51	51	51
	C	51	51	51	51
	All	49	50	50	50
APR	W	52	53	53	53
	AN	53	54	54	54
	BN	54	54	54	54
	D	54	54	54	54
	C	53	54	54	54
	All	53	54	54	54
MAY	W	55	57	57	57
	AN	56	58	57	57
	BN	56	58	57	58
	D	56	57	57	57
	C	57	58	58	58
	All	56	57	57	57
JUN	W	57	58	58	58
	AN	57	58	57	58
	BN	57	58	57	57
	D	57	58	58	58
	C	58	59	59	59
	All	57	58	58	58

Alternative 2D and 5A: Sacramento River at Red Bluff Diversion Dam					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JUL	W	58	58	58	58
	AN	57	58	58	58
	BN	57	58	58	58
	D	57	58	59	58
	C	60	62	62	62
	All	58	59	59	59
AUG	W	58	60	60	60
	AN	59	60	60	59
	BN	58	59	59	59
	D	59	60	61	61
	C	61	65	65	65
	All	59	61	61	61
SEP	W	58	58	58	58
	AN	59	59	60	59
	BN	59	60	61	61
	D	59	62	62	62
	C	63	65	65	65
	All	59	60	61	61
OCT	W	55	56	56	56
	AN	55	56	56	56
	BN	55	56	56	56
	D	55	57	57	57
	C	56	58	58	58
	All	55	57	57	57
NOV	W	50	52	51	51
	AN	50	52	51	51
	BN	51	52	52	52
	D	51	52	52	52
	C	52	53	53	53
	All	51	52	52	52
DEC	W	46	47	47	47
	AN	46	47	47	47
	BN	46	47	47	47
	D	46	47	47	47
	C	46	47	47	47
	All	46	47	47	47

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Red Bluff Diversion Dam, Year-Round

Alternative 2D and 5A: Sacramento River at Red Bluff Diversion Dam					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JAN	W	0.7 (1.5%)	0 (0.1%)	0.7 (1.5%)	0 (0%)
	AN	0.7 (1.6%)	0 (0.1%)	0.7 (1.6%)	0 (0%)
	BN	0.9 (2%)	0 (0.1%)	0.9 (2%)	0 (0.1%)
	D	0.9 (2%)	0 (0%)	0.9 (2.1%)	0.1 (0.2%)
	C	1 (2.3%)	0 (-0.1%)	1.2 (2.6%)	0.1 (0.2%)
	All	0.8 (1.8%)	0 (0%)	0.8 (1.9%)	0 (0.1%)
FEB	W	0.8 (1.8%)	0 (0%)	0.8 (1.8%)	0 (0%)
	AN	0.8 (1.8%)	0 (0.1%)	0.8 (1.8%)	0 (0%)
	BN	0.9 (2%)	0 (0%)	0.9 (2%)	0 (0%)
	D	1.1 (2.3%)	0 (0%)	1.1 (2.3%)	0 (0%)
	C	1.1 (2.3%)	0 (0%)	1.1 (2.3%)	0 (0%)
	All	0.9 (2%)	0 (0%)	0.9 (2%)	0 (0%)
MAR	W	0.7 (1.4%)	0 (0%)	0.7 (1.4%)	0 (0%)
	AN	0.7 (1.4%)	0 (0%)	0.7 (1.4%)	0 (-0.1%)
	BN	0.8 (1.6%)	0 (0%)	0.7 (1.5%)	0 (-0.1%)
	D	0.8 (1.6%)	0 (0%)	0.8 (1.5%)	0 (0%)
	C	0.7 (1.4%)	-0.1 (-0.1%)	0.7 (1.4%)	-0.1 (-0.1%)
	All	0.7 (1.5%)	0 (0%)	0.7 (1.4%)	0 (0%)
APR	W	0.8 (1.6%)	0 (0%)	0.8 (1.6%)	0 (0%)
	AN	0.8 (1.5%)	0 (0%)	0.8 (1.5%)	0 (0%)
	BN	1 (1.8%)	0 (0%)	0.9 (1.7%)	0 (0%)
	D	0.8 (1.5%)	-0.1 (-0.1%)	0.8 (1.5%)	-0.1 (-0.1%)
	C	0.9 (1.7%)	0 (0%)	0.9 (1.7%)	0 (0%)
	All	0.9 (1.6%)	0 (0%)	0.9 (1.6%)	0 (0%)
MAY	W	1.6 (3%)	-0.1 (-0.1%)	1.7 (3.1%)	0 (0%)
	AN	0.7 (1.2%)	-0.7 (-1.1%)	1 (1.7%)	-0.3 (-0.6%)
	BN	1.3 (2.3%)	-0.3 (-0.5%)	1.5 (2.7%)	-0.1 (-0.2%)
	D	1.1 (2%)	-0.3 (-0.5%)	1.2 (2.1%)	-0.2 (-0.4%)
	C	1 (1.8%)	-0.1 (-0.2%)	1.1 (2%)	0 (0%)
	All	1.2 (2.2%)	-0.2 (-0.4%)	1.4 (2.4%)	-0.1 (-0.2%)
JUN	W	0.8 (1.4%)	-0.2 (-0.3%)	0.9 (1.6%)	0 (-0.1%)
	AN	0.6 (1%)	-0.3 (-0.6%)	0.8 (1.4%)	-0.1 (-0.2%)
	BN	0.7 (1.2%)	-0.3 (-0.5%)	0.8 (1.4%)	-0.2 (-0.3%)
	D	0.9 (1.5%)	-0.3 (-0.4%)	0.9 (1.6%)	-0.2 (-0.3%)
	C	0.8 (1.4%)	-0.2 (-0.3%)	0.8 (1.3%)	-0.2 (-0.4%)
	All	0.8 (1.3%)	-0.2 (-0.4%)	0.9 (1.5%)	-0.1 (-0.2%)
JUL	W	0.5 (0.9%)	0 (0.1%)	0.3 (0.6%)	-0.1 (-0.2%)
	AN	0.8 (1.4%)	0.2 (0.3%)	0.6 (1.1%)	0 (-0.1%)
	BN	0.7 (1.3%)	-0.1 (-0.2%)	0.8 (1.3%)	-0.1 (-0.1%)
	D	1.2 (2%)	0.1 (0.2%)	0.7 (1.3%)	-0.3 (-0.5%)
	C	2.2 (3.7%)	0 (0%)	2.2 (3.6%)	-0.1 (-0.1%)
	All	1 (1.7%)	0 (0.1%)	0.8 (1.4%)	-0.1 (-0.2%)

Alternative 2D and 5A: Sacramento River at Red Bluff Diversion Dam					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
AUG	W	1.5 (2.5%)	0 (0.1%)	1.2 (2.1%)	-0.2 (-0.4%)
	AN	1.1 (1.8%)	0.1 (0.2%)	0.9 (1.5%)	-0.1 (-0.1%)
	BN	1.4 (2.4%)	-0.1 (-0.2%)	1.3 (2.3%)	-0.1 (-0.2%)
	D	2.3 (3.9%)	0.7 (1.1%)	2.2 (3.8%)	0.6 (1%)
	C	3.3 (5.3%)	-0.1 (-0.1%)	3.5 (5.7%)	0.2 (0.3%)
	All	1.8 (3.1%)	0.1 (0.2%)	1.7 (3%)	0.1 (0.1%)
SEP	W	0.3 (0.5%)	0.2 (0.3%)	0.2 (0.4%)	0.1 (0.2%)
	AN	0.6 (1%)	1 (1.7%)	0 (0%)	0.4 (0.7%)
	BN	2 (3.5%)	0.7 (1.2%)	1.9 (3.2%)	0.6 (1%)
	D	2.8 (4.7%)	0.3 (0.5%)	3 (5%)	0.5 (0.8%)
	C	2.8 (4.5%)	0 (0%)	2.8 (4.5%)	0 (0%)
	All	1.5 (2.6%)	0.4 (0.7%)	1.5 (2.5%)	0.3 (0.5%)
OCT	W	1.4 (2.5%)	0 (0.1%)	1.5 (2.8%)	0.2 (0.3%)
	AN	1.4 (2.5%)	0 (0.1%)	1.5 (2.8%)	0.2 (0.3%)
	BN	1.4 (2.5%)	0 (0%)	1.4 (2.6%)	0 (0.1%)
	D	1.5 (2.7%)	0.1 (0.2%)	1.4 (2.6%)	0 (0%)
	C	1.4 (2.4%)	-0.3 (-0.5%)	1.5 (2.7%)	-0.1 (-0.3%)
	All	1.4 (2.5%)	0 (0%)	1.5 (2.7%)	0.1 (0.1%)
NOV	W	0.9 (1.9%)	-0.2 (-0.5%)	1 (2%)	-0.2 (-0.4%)
	AN	0.8 (1.7%)	-0.3 (-0.6%)	0.9 (1.9%)	-0.2 (-0.4%)
	BN	0.8 (1.6%)	-0.4 (-0.7%)	0.9 (1.8%)	-0.3 (-0.6%)
	D	0.9 (1.8%)	-0.1 (-0.3%)	0.9 (1.7%)	-0.2 (-0.4%)
	C	1 (1.8%)	-0.2 (-0.3%)	1 (2%)	-0.1 (-0.2%)
	All	0.9 (1.8%)	-0.2 (-0.5%)	0.9 (1.9%)	-0.2 (-0.4%)
DEC	W	0.6 (1.2%)	0 (0%)	0.6 (1.2%)	0 (0%)
	AN	0.7 (1.6%)	-0.2 (-0.4%)	0.8 (1.7%)	-0.1 (-0.3%)
	BN	0.8 (1.7%)	-0.1 (-0.2%)	0.8 (1.8%)	0 (-0.1%)
	D	0.9 (1.9%)	0 (0.1%)	0.8 (1.8%)	0 (0%)
	C	1 (2.1%)	0.1 (0.1%)	0.9 (2.1%)	0.1 (0.1%)
	All	0.8 (1.6%)	0 (-0.1%)	0.8 (1.6%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.11.5 Sacramento River at Hamilton City

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 2D Model Scenarios in the Sacramento River at Hamilton City, Year-Round

Alternative 2D and 5A: Sacramento River at Hamilton City					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JAN	W	45	46	46	46
	AN	45	46	46	46
	BN	44	45	45	45
	D	44	45	45	45
	C	44	45	45	46
	All	45	45	45	46
FEB	W	46	47	47	47
	AN	47	48	48	48
	BN	46	47	47	47
	D	47	48	48	48
	C	48	49	49	49
	All	47	48	48	48
MAR	W	49	50	50	50
	AN	51	51	51	51
	BN	51	52	52	52
	D	52	52	53	52
	C	52	53	53	53
	All	51	52	51	51
APR	W	54	54	54	54
	AN	55	56	56	56
	BN	56	57	57	57
	D	56	57	57	57
	C	56	57	57	57
	All	55	56	56	56
MAY	W	58	60	60	60
	AN	60	61	60	61
	BN	59	61	61	61
	D	59	61	60	60
	C	60	61	61	61
	All	59	61	60	61
JUN	W	61	62	62	62
	AN	61	62	61	61
	BN	60	61	61	61
	D	60	62	61	61
	C	61	62	62	62
	All	61	62	61	62

Alternative 2D and 5A: Sacramento River at Hamilton City					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JUL	W	62	62	62	62
	AN	61	62	62	61
	BN	61	62	62	62
	D	61	62	62	62
	C	63	65	65	65
	All	62	63	63	62
AUG	W	62	64	64	63
	AN	62	63	63	63
	BN	62	63	63	63
	D	62	64	65	64
	C	65	68	68	68
	All	62	64	64	64
SEP	W	60	60	60	60
	AN	62	61	62	62
	BN	62	63	64	64
	D	62	65	65	65
	C	64	67	67	67
	All	62	63	63	63
OCT	W	55	57	57	57
	AN	56	57	57	57
	BN	56	57	58	58
	D	56	58	58	58
	C	57	59	59	59
	All	56	57	57	58
NOV	W	50	51	51	51
	AN	50	51	51	51
	BN	50	52	51	51
	D	51	52	52	52
	C	52	53	53	53
	All	51	52	52	52
DEC	W	46	47	47	47
	AN	46	46	46	46
	BN	45	46	46	46
	D	45	46	46	46
	C	45	46	46	46
	All	46	46	46	46

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Sacramento River at Hamilton City, Year-Round

Alternative 2D and 5A: Sacramento River at Hamilton City					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JAN	W	0.7 (1.6%)	0 (0.1%)	0.7 (1.6%)	0 (0%)
	AN	0.8 (1.8%)	0 (0%)	0.8 (1.8%)	0 (0%)
	BN	0.9 (2.1%)	0 (0%)	0.9 (2.1%)	0 (0%)
	D	1 (2.2%)	0 (0%)	1 (2.3%)	0.1 (0.1%)
	C	1.1 (2.5%)	-0.1 (-0.1%)	1.2 (2.7%)	0.1 (0.2%)
	All	0.9 (2%)	0 (0%)	0.9 (2%)	0 (0.1%)
FEB	W	0.9 (1.9%)	0 (0%)	0.9 (1.9%)	0 (0%)
	AN	0.9 (1.9%)	0 (0%)	0.9 (1.9%)	0 (0%)
	BN	1 (2.1%)	0 (0%)	1 (2.1%)	0 (0%)
	D	1.1 (2.4%)	0 (0%)	1.1 (2.4%)	0 (0%)
	C	1.2 (2.4%)	0 (-0.1%)	1.2 (2.5%)	0 (0%)
	All	1 (2.1%)	0 (0%)	1 (2.1%)	0 (0%)
MAR	W	0.7 (1.3%)	0 (0%)	0.7 (1.3%)	0 (0%)
	AN	0.7 (1.4%)	0 (-0.1%)	0.7 (1.3%)	0 (-0.1%)
	BN	0.8 (1.5%)	0 (-0.1%)	0.8 (1.5%)	0 (-0.1%)
	D	0.8 (1.6%)	0 (0%)	0.8 (1.5%)	0 (0%)
	C	0.7 (1.3%)	-0.1 (-0.2%)	0.7 (1.3%)	-0.1 (-0.1%)
	All	0.7 (1.4%)	0 (0%)	0.7 (1.4%)	0 (-0.1%)
APR	W	0.8 (1.6%)	0 (0%)	0.8 (1.5%)	0 (0%)
	AN	0.8 (1.5%)	0 (0%)	0.8 (1.5%)	0 (0%)
	BN	1 (1.8%)	0 (0%)	1 (1.7%)	0 (-0.1%)
	D	0.9 (1.5%)	-0.1 (-0.1%)	0.9 (1.6%)	-0.1 (-0.1%)
	C	0.9 (1.6%)	0 (0%)	0.9 (1.6%)	0 (0%)
	All	0.9 (1.6%)	0 (0%)	0.9 (1.6%)	0 (0%)
MAY	W	1.8 (3.1%)	-0.1 (-0.1%)	1.9 (3.2%)	0 (0%)
	AN	0.7 (1.3%)	-0.7 (-1.2%)	1.1 (1.8%)	-0.4 (-0.6%)
	BN	1.4 (2.4%)	-0.3 (-0.6%)	1.6 (2.7%)	-0.1 (-0.2%)
	D	1.2 (2.1%)	-0.3 (-0.5%)	1.3 (2.2%)	-0.3 (-0.4%)
	C	1.1 (1.9%)	-0.2 (-0.3%)	1.3 (2.1%)	0 (0%)
	All	1.4 (2.3%)	-0.3 (-0.5%)	1.5 (2.5%)	-0.1 (-0.2%)
JUN	W	0.9 (1.5%)	-0.2 (-0.4%)	1.1 (1.8%)	-0.1 (-0.1%)
	AN	0.6 (0.9%)	-0.4 (-0.7%)	0.8 (1.4%)	-0.2 (-0.3%)
	BN	0.7 (1.2%)	-0.4 (-0.7%)	0.9 (1.5%)	-0.2 (-0.4%)
	D	0.8 (1.4%)	-0.3 (-0.5%)	0.9 (1.5%)	-0.2 (-0.4%)
	C	0.8 (1.3%)	-0.2 (-0.3%)	0.8 (1.3%)	-0.2 (-0.4%)
	All	0.8 (1.3%)	-0.3 (-0.5%)	0.9 (1.6%)	-0.2 (-0.3%)
JUL	W	0.5 (0.9%)	0 (0%)	0.4 (0.6%)	-0.1 (-0.2%)
	AN	0.8 (1.3%)	0.1 (0.2%)	0.6 (1%)	-0.1 (-0.1%)
	BN	0.7 (1.2%)	-0.2 (-0.2%)	0.8 (1.3%)	-0.1 (-0.1%)
	D	1.2 (1.9%)	0.2 (0.3%)	0.6 (1.1%)	-0.3 (-0.6%)
	C	2.2 (3.5%)	0 (-0.1%)	2.2 (3.5%)	0 (-0.1%)
	All	1 (1.6%)	0 (0%)	0.8 (1.3%)	-0.2 (-0.2%)

Alternative 2D and 5A: Sacramento River at Hamilton City					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
AUG	W	1.7 (2.8%)	0 (0%)	1.4 (2.2%)	-0.3 (-0.5%)
	AN	1.1 (1.8%)	0.1 (0.1%)	0.9 (1.4%)	-0.1 (-0.2%)
	BN	1.3 (2.2%)	-0.2 (-0.4%)	1.4 (2.3%)	-0.2 (-0.3%)
	D	2.5 (4.1%)	0.8 (1.3%)	2.4 (3.8%)	0.6 (1%)
	C	3.2 (4.9%)	0 (0%)	3.4 (5.3%)	0.2 (0.3%)
	All	2 (3.1%)	0.2 (0.2%)	1.8 (2.9%)	0 (0%)
SEP	W	0.2 (0.3%)	0.2 (0.4%)	0.1 (0.1%)	0.1 (0.2%)
	AN	0.5 (0.8%)	1.2 (1.9%)	-0.2 (-0.3%)	0.5 (0.8%)
	BN	2.1 (3.3%)	0.7 (1.1%)	2 (3.2%)	0.6 (0.9%)
	D	3 (4.8%)	0.4 (0.6%)	3.1 (5%)	0.5 (0.8%)
	C	2.6 (4.1%)	0.1 (0.1%)	2.7 (4.2%)	0.1 (0.2%)
	All	1.5 (2.5%)	0.4 (0.7%)	1.4 (2.3%)	0.3 (0.5%)
OCT	W	1.4 (2.5%)	0 (0.1%)	1.5 (2.7%)	0.2 (0.3%)
	AN	1.5 (2.6%)	0 (0.1%)	1.6 (2.8%)	0.2 (0.3%)
	BN	1.5 (2.7%)	0 (0.1%)	1.5 (2.7%)	0 (0%)
	D	1.5 (2.6%)	0.1 (0.1%)	1.4 (2.5%)	0 (0.1%)
	C	1.4 (2.5%)	-0.2 (-0.4%)	1.6 (2.7%)	-0.1 (-0.2%)
	All	1.4 (2.6%)	0 (0%)	1.5 (2.7%)	0.1 (0.1%)
NOV	W	1 (1.9%)	-0.2 (-0.4%)	1 (2%)	-0.1 (-0.3%)
	AN	1 (1.9%)	-0.2 (-0.4%)	1 (2.1%)	-0.1 (-0.3%)
	BN	0.9 (1.8%)	-0.3 (-0.6%)	1 (1.9%)	-0.2 (-0.5%)
	D	1 (1.9%)	-0.1 (-0.3%)	0.9 (1.8%)	-0.2 (-0.3%)
	C	1.1 (2%)	-0.1 (-0.3%)	1.1 (2.1%)	-0.1 (-0.2%)
	All	1 (1.9%)	-0.2 (-0.4%)	1 (2%)	-0.2 (-0.3%)
DEC	W	0.7 (1.5%)	0 (0%)	0.7 (1.5%)	0 (0%)
	AN	0.8 (1.8%)	-0.1 (-0.3%)	0.9 (1.9%)	-0.1 (-0.2%)
	BN	0.9 (1.9%)	-0.1 (-0.2%)	0.9 (2.1%)	0 (-0.1%)
	D	1 (2.1%)	0.1 (0.1%)	0.9 (2%)	0 (0%)
	C	1 (2.3%)	0.1 (0.2%)	1 (2.3%)	0.1 (0.1%)
	All	0.8 (1.8%)	0 (0%)	0.8 (1.9%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.11.6 Trinity River below Lewiston Reservoir

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 2D Model Scenarios in the Trinity River below Lewiston Reservoir, Year-Round

Alternative 2D and 5A: Trinity River below Lewiston Reservoir					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JAN	W	41	42	42	42
	AN	38	39	40	40
	BN	39	40	39	39
	D	39	40	40	39
	C	39	40	40	40
	All	39	40	40	40
FEB	W	43	44	44	44
	AN	43	44	44	44
	BN	42	43	43	43
	D	42	44	44	43
	C	43	44	44	44
	All	43	44	44	44
MAR	W	46	47	47	46
	AN	47	48	48	48
	BN	47	47	47	47
	D	48	48	49	49
	C	48	49	49	49
	All	47	48	48	48
APR	W	49	50	50	50
	AN	50	51	51	51
	BN	51	52	52	52
	D	51	52	52	52
	C	50	51	51	51
	All	50	51	51	51
MAY	W	46	47	47	47
	AN	46	47	47	47
	BN	46	48	48	48
	D	47	48	48	48
	C	49	51	51	51
	All	47	48	48	48
JUN	W	48	49	49	49
	AN	51	51	51	51
	BN	52	52	52	52
	D	52	53	52	53
	C	56	57	57	58
	All	51	52	52	52

Alternative 2D and 5A: Trinity River below Lewiston Reservoir					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JUL	W	51	53	52	53
	AN	52	52	52	52
	BN	52	53	53	53
	D	51	52	52	52
	C	53	56	57	56
	All	51	53	53	53
AUG	W	52	53	52	52
	AN	51	52	51	52
	BN	52	54	53	54
	D	50	52	52	52
	C	54	60	59	58
	All	52	54	53	53
SEP	W	49	50	50	49
	AN	50	50	50	50
	BN	51	54	53	53
	D	50	53	53	53
	C	57	60	59	59
	All	51	53	53	52
OCT	W	48	50	50	49
	AN	49	51	50	50
	BN	50	52	52	52
	D	50	50	50	50
	C	51	54	53	54
	All	49	51	51	51
NOV	W	44	45	45	45
	AN	45	46	46	46
	BN	45	46	46	46
	D	44	45	45	45
	C	46	47	47	48
	All	45	46	46	46
DEC	W	41	42	42	42
	AN	39	41	40	40
	BN	40	41	40	41
	D	40	41	41	41
	C	39	40	40	40
	All	40	41	41	41

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River below Lewiston Reservoir, Year-Round

Alternative 2D and 5A: Trinity River below Lewiston Reservoir					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JAN	W	0.9 (2.1%)	0 (-0.1%)	0.8 (2.1%)	-0.1 (-0.2%)
	AN	1.2 (3%)	0.3 (0.7%)	1.1 (3%)	0.2 (0.6%)
	BN	0.5 (1.3%)	-0.3 (-0.6%)	0.6 (1.7%)	-0.1 (-0.3%)
	D	1 (2.6%)	-0.1 (-0.3%)	0.8 (2.1%)	-0.4 (-0.9%)
	C	0.9 (2.2%)	-0.2 (-0.4%)	1 (2.5%)	-0.1 (-0.2%)
	All	0.9 (2.2%)	-0.1 (-0.2%)	0.9 (2.2%)	-0.1 (-0.2%)
FEB	W	1.2 (2.7%)	0 (0%)	1.2 (2.7%)	0 (0%)
	AN	1.2 (2.9%)	0.1 (0.2%)	1.2 (2.8%)	0.1 (0.1%)
	BN	1.1 (2.6%)	0 (0%)	1.1 (2.7%)	0 (0%)
	D	1.1 (2.7%)	0 (0%)	1.1 (2.6%)	0 (-0.1%)
	C	1.1 (2.6%)	0 (0.1%)	1.1 (2.5%)	0 (-0.1%)
	All	1.2 (2.7%)	0 (0.1%)	1.1 (2.7%)	0 (0%)
MAR	W	0.8 (1.7%)	0 (0%)	0.7 (1.6%)	-0.1 (-0.1%)
	AN	0.8 (1.6%)	0.3 (0.6%)	0.9 (1.8%)	0.4 (0.8%)
	BN	0.8 (1.7%)	0 (0%)	0.8 (1.7%)	0 (0%)
	D	0.4 (0.9%)	0.1 (0.1%)	0.4 (0.8%)	0 (0.1%)
	C	1 (2.1%)	0 (0.1%)	0.9 (1.9%)	-0.1 (-0.2%)
	All	0.7 (1.6%)	0.1 (0.1%)	0.7 (1.5%)	0 (0.1%)
APR	W	0.8 (1.7%)	0 (-0.1%)	0.8 (1.6%)	-0.1 (-0.1%)
	AN	1.1 (2.1%)	0.3 (0.5%)	1 (2%)	0.2 (0.4%)
	BN	1.4 (2.9%)	0.1 (0.1%)	1.3 (2.5%)	-0.1 (-0.3%)
	D	0.9 (1.8%)	-0.1 (-0.2%)	1 (1.9%)	-0.1 (-0.1%)
	C	1 (2%)	0.2 (0.3%)	0.9 (1.7%)	0 (0.1%)
	All	1 (2%)	0 (0.1%)	1 (1.9%)	0 (-0.1%)
MAY	W	1.1 (2.5%)	0 (0%)	1.1 (2.5%)	0 (0%)
	AN	1 (2.3%)	0 (0%)	1 (2.3%)	0 (0%)
	BN	1.2 (2.7%)	0.1 (0.2%)	1.2 (2.7%)	0.1 (0.2%)
	D	1.3 (2.8%)	0 (0.1%)	1.3 (2.9%)	0.1 (0.2%)
	C	1.8 (3.7%)	0 (0%)	1.8 (3.6%)	-0.1 (-0.1%)
	All	1.3 (2.7%)	0 (0.1%)	1.3 (2.7%)	0 (0.1%)
JUN	W	0.8 (1.7%)	0 (0%)	0.8 (1.7%)	0 (0%)
	AN	0.6 (1.2%)	-0.3 (-0.5%)	0.6 (1.2%)	-0.3 (-0.5%)
	BN	0.7 (1.4%)	0.1 (0.3%)	0.4 (0.7%)	-0.2 (-0.4%)
	D	0.4 (0.8%)	-0.1 (-0.2%)	0.6 (1.1%)	0 (0%)
	C	1.8 (3.2%)	0 (-0.1%)	2.1 (3.8%)	0.3 (0.5%)
	All	0.8 (1.6%)	0 (-0.1%)	0.8 (1.7%)	0 (-0.1%)

Alternative 2D and 5A: Trinity River below Lewiston Reservoir					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JUL	W	1.3 (2.5%)	-0.6 (-1.2%)	2 (3.9%)	0.1 (0.2%)
	AN	0.2 (0.5%)	-0.6 (-1.1%)	0.4 (0.8%)	-0.4 (-0.7%)
	BN	0.8 (1.6%)	-0.1 (-0.1%)	0.9 (1.8%)	0 (0.1%)
	D	1 (1.9%)	0 (-0.1%)	1 (2.1%)	0 (0%)
	C	3.8 (7.3%)	0.9 (1.5%)	3.7 (7.1%)	0.8 (1.3%)
	All	1.4 (2.7%)	-0.2 (-0.3%)	1.6 (3.2%)	0.1 (0.2%)
AUG	W	0.3 (0.7%)	-0.5 (-0.9%)	0.4 (0.8%)	-0.4 (-0.7%)
	AN	0.4 (0.8%)	-0.3 (-0.5%)	0.7 (1.3%)	0 (0%)
	BN	1.2 (2.3%)	-0.4 (-0.8%)	1.5 (2.9%)	-0.1 (-0.2%)
	D	1.9 (3.8%)	0.1 (0.2%)	1.5 (2.9%)	-0.3 (-0.6%)
	C	4.6 (8.5%)	-1 (-1.7%)	4.5 (8.4%)	-1.1 (-1.9%)
	All	1.5 (2.9%)	-0.4 (-0.7%)	1.5 (2.9%)	-0.4 (-0.7%)
SEP	W	0.8 (1.6%)	0 (0%)	0.5 (0.9%)	-0.3 (-0.7%)
	AN	0.5 (1%)	-0.1 (-0.1%)	0.6 (1.2%)	0.1 (0.1%)
	BN	1.8 (3.6%)	-0.6 (-1.1%)	1.8 (3.5%)	-0.6 (-1.1%)
	D	2.7 (5.4%)	0.1 (0.2%)	2.6 (5.2%)	0 (0%)
	C	2.8 (5%)	-0.3 (-0.5%)	2.9 (5.2%)	-0.2 (-0.3%)
	All	1.7 (3.3%)	-0.1 (-0.2%)	1.6 (3.1%)	-0.2 (-0.4%)
OCT	W	1.8 (3.7%)	0 (0%)	1.5 (3.1%)	-0.3 (-0.5%)
	AN	0.8 (1.6%)	-0.4 (-0.8%)	1 (2.1%)	-0.2 (-0.3%)
	BN	1.8 (3.6%)	0 (0.1%)	1.7 (3.4%)	-0.1 (-0.1%)
	D	0.8 (1.7%)	0.1 (0.1%)	0.8 (1.6%)	0 (0%)
	C	2 (3.9%)	-0.2 (-0.5%)	2.3 (4.4%)	0 (0%)
	All	1.5 (3%)	-0.1 (-0.1%)	1.4 (2.9%)	-0.1 (-0.2%)
NOV	W	1.2 (2.7%)	0 (0%)	1.1 (2.5%)	-0.1 (-0.2%)
	AN	0.9 (1.9%)	0 (-0.1%)	1 (2.2%)	0.1 (0.2%)
	BN	1.2 (2.7%)	-0.1 (-0.1%)	1.3 (3%)	0 (0.1%)
	D	1 (2.3%)	0 (-0.1%)	1 (2.3%)	0 (-0.1%)
	C	1.4 (3%)	0.4 (0.8%)	1.5 (3.2%)	0.5 (1%)
	All	1.1 (2.5%)	0 (0.1%)	1.2 (2.6%)	0 (0.1%)
DEC	W	0.9 (2.1%)	-0.4 (-0.9%)	0.9 (2.1%)	-0.3 (-0.8%)
	AN	1 (2.6%)	-0.5 (-1.2%)	1.1 (2.9%)	-0.3 (-0.8%)
	BN	0.9 (2.2%)	-0.2 (-0.5%)	1 (2.5%)	-0.1 (-0.2%)
	D	0.7 (1.6%)	0.1 (0.3%)	0.5 (1.2%)	0 (-0.1%)
	C	0.6 (1.6%)	0 (0%)	0.8 (2%)	0.2 (0.4%)
	All	0.8 (2%)	-0.2 (-0.5%)	0.8 (2.1%)	-0.2 (-0.4%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.11.7 Trinity River at Douglas City

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 2D Model Scenarios in the Trinity River at Douglas City, Year-Round

Alternative 2D and 5A: Trinity River at Douglas City					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JAN	W	40	41	41	41
	AN	39	39	39	39
	BN	38	39	39	39
	D	38	39	39	39
	C	39	40	40	40
	All	39	40	40	40
FEB	W	43	44	44	44
	AN	43	44	44	44
	BN	42	43	43	43
	D	43	44	44	44
	C	43	44	44	44
	All	43	44	44	44
MAR	W	46	46	46	46
	AN	47	47	47	47
	BN	47	47	47	47
	D	48	48	48	48
	C	48	49	49	48
	All	47	47	47	47
APR	W	51	51	51	51
	AN	52	52	53	53
	BN	52	53	53	53
	D	53	53	53	53
	C	52	53	53	53
	All	52	52	52	52
MAY	W	48	49	49	49
	AN	48	49	49	49
	BN	49	50	50	50
	D	49	50	50	50
	C	52	54	54	54
	All	49	50	50	50
JUN	W	51	52	52	52
	AN	54	55	55	55
	BN	55	56	56	56
	D	57	58	58	58
	C	60	61	61	61
	All	55	56	56	56

Alternative 2D and 5A: Trinity River at Douglas City					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JUL	W	57	59	58	59
	AN	58	59	58	58
	BN	59	60	60	60
	D	59	60	60	60
	C	62	64	64	64
	All	59	60	60	60
AUG	W	60	61	61	61
	AN	59	60	60	60
	BN	60	61	61	61
	D	58	60	60	60
	C	61	64	64	64
	All	60	61	61	61
SEP	W	55	56	56	56
	AN	55	56	56	56
	BN	56	58	58	58
	D	55	57	57	57
	C	59	63	61	61
	All	56	58	57	57
OCT	W	50	52	52	52
	AN	51	52	52	52
	BN	52	53	53	53
	D	51	52	52	52
	C	53	54	54	54
	All	51	52	52	52
NOV	W	44	45	45	45
	AN	45	46	46	46
	BN	45	46	46	46
	D	44	45	45	45
	C	46	46	47	47
	All	44	45	45	45
DEC	W	41	42	42	42
	AN	40	41	41	41
	BN	39	40	40	40
	D	40	40	41	40
	C	39	39	39	39
	All	40	41	41	41

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River at Douglas City, Year-Round

Alternative 2D and 5A: Trinity River at Douglas City					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JAN	W	0.7 (1.8%)	0 (0%)	0.7 (1.8%)	0 (0%)
	AN	0.8 (2.2%)	0.2 (0.6%)	0.7 (1.9%)	0.1 (0.3%)
	BN	0.4 (1%)	-0.1 (-0.3%)	0.5 (1.2%)	0 (-0.1%)
	D	0.9 (2.3%)	-0.1 (-0.2%)	0.8 (2%)	-0.2 (-0.4%)
	C	0.8 (2.1%)	-0.1 (-0.2%)	0.9 (2.3%)	0 (0%)
	All	0.7 (1.9%)	0 (-0.1%)	0.7 (1.8%)	0 (-0.1%)
FEB	W	0.8 (1.8%)	0 (0%)	0.8 (1.8%)	0 (0%)
	AN	0.8 (1.9%)	0 (0.1%)	0.8 (1.9%)	0 (0%)
	BN	0.8 (1.9%)	0 (0%)	0.8 (1.9%)	0 (0%)
	D	0.8 (1.9%)	0 (0%)	0.8 (1.9%)	0 (0%)
	C	0.9 (2.2%)	0 (0%)	0.9 (2.1%)	0 (0%)
	All	0.8 (1.9%)	0 (0%)	0.8 (1.9%)	0 (0%)
MAR	W	0.4 (0.9%)	0 (0%)	0.4 (0.9%)	0 (0%)
	AN	0.4 (0.8%)	0.1 (0.2%)	0.4 (0.8%)	0.1 (0.3%)
	BN	0.4 (0.9%)	0 (0%)	0.4 (1%)	0 (0%)
	D	0.3 (0.6%)	0 (0.1%)	0.3 (0.6%)	0 (0%)
	C	0.7 (1.4%)	0 (0%)	0.6 (1.3%)	-0.1 (-0.1%)
	All	0.4 (0.9%)	0 (0%)	0.4 (0.9%)	0 (0%)
APR	W	0.5 (1.1%)	0 (-0.1%)	0.5 (1%)	0 (-0.1%)
	AN	0.6 (1.2%)	0.2 (0.5%)	0.6 (1.2%)	0.2 (0.4%)
	BN	0.8 (1.5%)	0 (0.1%)	0.7 (1.4%)	-0.1 (-0.1%)
	D	0.7 (1.3%)	-0.1 (-0.1%)	0.7 (1.3%)	0 (-0.1%)
	C	0.8 (1.5%)	0.1 (0.1%)	0.7 (1.4%)	0 (0.1%)
	All	0.7 (1.3%)	0 (0%)	0.6 (1.2%)	0 (0%)
MAY	W	1.1 (2.3%)	0 (0%)	1.1 (2.3%)	0 (0%)
	AN	1 (2.1%)	0 (0%)	1 (2.2%)	0 (0%)
	BN	1.3 (2.6%)	0.1 (0.1%)	1.3 (2.6%)	0.1 (0.1%)
	D	1.3 (2.6%)	0 (0%)	1.3 (2.7%)	0.1 (0.1%)
	C	1.8 (3.5%)	0 (0%)	1.8 (3.4%)	-0.1 (-0.1%)
	All	1.3 (2.6%)	0 (0%)	1.3 (2.6%)	0 (0%)
JUN	W	0.7 (1.4%)	0 (0%)	0.7 (1.4%)	0 (0%)
	AN	0.7 (1.3%)	-0.2 (-0.4%)	0.7 (1.3%)	-0.2 (-0.4%)
	BN	0.7 (1.2%)	0.1 (0.2%)	0.4 (0.8%)	-0.2 (-0.3%)
	D	0.7 (1.2%)	-0.1 (-0.2%)	0.8 (1.4%)	0 (0%)
	C	1.5 (2.5%)	0 (0%)	1.7 (2.8%)	0.2 (0.3%)
	All	0.8 (1.5%)	0 (-0.1%)	0.8 (1.5%)	0 (0%)

Alternative 2D and 5A: Trinity River at Douglas City					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JUL	W	1.4 (2.4%)	-0.4 (-0.7%)	1.9 (3.3%)	0.1 (0.1%)
	AN	0.5 (0.8%)	-0.4 (-0.7%)	0.6 (1%)	-0.3 (-0.4%)
	BN	0.6 (1%)	0 (-0.1%)	0.7 (1.1%)	0 (0%)
	D	1 (1.7%)	0 (0%)	1 (1.7%)	0 (0%)
	C	2.5 (4.1%)	0.4 (0.7%)	2.5 (4%)	0.4 (0.6%)
	All	1.2 (2%)	-0.1 (-0.2%)	1.4 (2.3%)	0 (0.1%)
AUG	W	0.8 (1.3%)	-0.3 (-0.4%)	0.9 (1.4%)	-0.2 (-0.3%)
	AN	0.9 (1.5%)	-0.1 (-0.2%)	1 (1.7%)	0 (0%)
	BN	1.3 (2.2%)	-0.2 (-0.4%)	1.5 (2.5%)	-0.1 (-0.1%)
	D	1.7 (2.9%)	0 (0.1%)	1.5 (2.6%)	-0.2 (-0.3%)
	C	3.2 (5.3%)	-0.6 (-0.9%)	3.1 (5.2%)	-0.6 (-0.9%)
	All	1.5 (2.5%)	-0.2 (-0.4%)	1.5 (2.5%)	-0.2 (-0.3%)
SEP	W	1.1 (1.9%)	0 (0%)	0.9 (1.6%)	-0.2 (-0.4%)
	AN	1 (1.8%)	0 (0%)	1 (1.8%)	0 (0%)
	BN	1.7 (3%)	-0.4 (-0.6%)	1.7 (3%)	-0.3 (-0.6%)
	D	2.2 (4%)	0.1 (0.1%)	2.1 (3.9%)	0 (0%)
	C	2.3 (3.9%)	-1.5 (-2.3%)	2.6 (4.4%)	-1.2 (-1.9%)
	All	1.6 (2.9%)	-0.3 (-0.5%)	1.6 (2.8%)	-0.3 (-0.5%)
OCT	W	1.4 (2.8%)	0 (0%)	1.3 (2.5%)	-0.1 (-0.3%)
	AN	0.7 (1.4%)	-0.2 (-0.5%)	0.9 (1.7%)	-0.1 (-0.2%)
	BN	1.4 (2.8%)	0 (0.1%)	1.4 (2.6%)	0 (-0.1%)
	D	0.9 (1.7%)	0 (0.1%)	0.8 (1.7%)	0 (0%)
	C	1.5 (2.8%)	0 (0%)	1.7 (3.2%)	0.2 (0.4%)
	All	1.2 (2.4%)	0 (0%)	1.2 (2.4%)	0 (0%)
NOV	W	1 (2.2%)	0 (0%)	0.9 (2.1%)	0 (-0.1%)
	AN	0.9 (2.1%)	0 (0%)	1 (2.1%)	0 (0.1%)
	BN	1.1 (2.4%)	0 (0%)	1.1 (2.5%)	0 (0.1%)
	D	0.9 (2.1%)	0 (0%)	0.9 (2.1%)	0 (0%)
	C	1 (2.3%)	0.2 (0.5%)	1.1 (2.3%)	0.3 (0.6%)
	All	1 (2.2%)	0 (0.1%)	1 (2.2%)	0 (0.1%)
DEC	W	0.7 (1.7%)	-0.1 (-0.3%)	0.7 (1.6%)	-0.1 (-0.3%)
	AN	0.8 (1.9%)	-0.2 (-0.6%)	0.8 (2.1%)	-0.2 (-0.4%)
	BN	0.8 (2%)	-0.1 (-0.3%)	0.9 (2.2%)	-0.1 (-0.2%)
	D	0.7 (1.7%)	0.1 (0.2%)	0.6 (1.4%)	0 (-0.1%)
	C	0.6 (1.7%)	0 (0%)	0.7 (1.9%)	0.1 (0.2%)
	All	0.7 (1.8%)	-0.1 (-0.2%)	0.7 (1.8%)	-0.1 (-0.2%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.11.8 Trinity River below North Fork

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 2D Model Scenarios in the Trinity River below North Fork, Year-Round

Alternative 2D and 5A: Trinity River below North Fork					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JAN	W	40	40	40	40
	AN	38	39	39	39
	BN	38	38	38	38
	D	38	38	38	38
	C	38	39	39	39
	All	39	39	39	39
FEB	W	43	44	44	44
	AN	43	44	44	44
	BN	43	43	43	43
	D	43	43	43	43
	C	43	44	44	44
	All	43	44	44	44
MAR	W	46	46	46	46
	AN	46	47	47	47
	BN	46	47	47	47
	D	47	47	47	47
	C	48	48	48	48
	All	47	47	47	47
APR	W	53	53	53	53
	AN	54	54	54	54
	BN	54	54	54	54
	D	54	54	54	54
	C	54	55	55	55
	All	53	54	54	54
MAY	W	50	51	51	51
	AN	50	51	51	51
	BN	51	52	52	52
	D	51	53	53	53
	C	54	56	56	56
	All	51	52	52	52
JUN	W	55	56	56	56
	AN	58	59	58	59
	BN	60	60	60	60
	D	62	62	62	62
	C	63	65	65	65
	All	59	60	60	60

Alternative 2D and 5A: Trinity River below North Fork					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JUL	W	63	64	64	64
	AN	63	64	64	64
	BN	65	65	65	65
	D	65	66	66	66
	C	68	69	69	69
	All	65	66	66	66
AUG	W	65	66	66	66
	AN	64	65	65	65
	BN	65	66	66	66
	D	64	65	65	65
	C	65	68	67	68
	All	65	66	66	66
SEP	W	59	60	60	60
	AN	59	60	60	60
	BN	59	61	61	61
	D	58	60	60	60
	C	61	63	62	63
	All	59	61	61	61
OCT	W	53	54	54	54
	AN	53	54	54	54
	BN	54	55	55	55
	D	53	54	54	54
	C	54	55	55	55
	All	53	54	54	54
NOV	W	44	44	44	44
	AN	44	45	45	45
	BN	44	45	45	45
	D	44	44	44	44
	C	45	46	46	46
	All	44	45	45	45
DEC	W	41	41	41	41
	AN	40	41	41	41
	BN	39	40	40	40
	D	40	40	40	40
	C	38	39	39	39
	All	40	40	40	40

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Trinity River below North Fork, Year-Round

Alternative 2D and 5A: Trinity River below North Fork					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JAN	W	0.6 (1.4%)	0 (0%)	0.6 (1.4%)	0 (0%)
	AN	0.6 (1.5%)	0.1 (0.4%)	0.4 (1.1%)	0 (0%)
	BN	0.3 (0.8%)	0 (-0.1%)	0.4 (0.9%)	0 (0%)
	D	0.6 (1.7%)	0 (-0.1%)	0.7 (1.8%)	0 (0%)
	C	0.7 (1.8%)	-0.1 (-0.1%)	0.7 (1.9%)	0 (0%)
	All	0.5 (1.4%)	0 (0%)	0.6 (1.4%)	0 (0%)
FEB	W	0.5 (1.2%)	0 (0%)	0.5 (1.2%)	0 (0%)
	AN	0.6 (1.3%)	0 (0%)	0.6 (1.3%)	0 (0%)
	BN	0.6 (1.4%)	0 (0%)	0.6 (1.4%)	0 (0%)
	D	0.5 (1.3%)	0 (0%)	0.5 (1.3%)	0 (0%)
	C	0.7 (1.7%)	0 (0%)	0.7 (1.7%)	0 (0%)
	All	0.6 (1.3%)	0 (0%)	0.6 (1.3%)	0 (0%)
MAR	W	0.2 (0.5%)	0 (0%)	0.2 (0.5%)	0 (0%)
	AN	0.2 (0.5%)	0 (0.1%)	0.2 (0.4%)	0 (0%)
	BN	0.3 (0.5%)	0 (0%)	0.3 (0.6%)	0 (0%)
	D	0.2 (0.5%)	0 (0%)	0.2 (0.5%)	0 (0%)
	C	0.4 (0.9%)	0 (0%)	0.4 (0.9%)	0 (0%)
	All	0.3 (0.6%)	0 (0%)	0.3 (0.6%)	0 (0%)
APR	W	0.3 (0.6%)	0 (0%)	0.3 (0.7%)	0 (0%)
	AN	0.4 (0.7%)	0.2 (0.3%)	0.2 (0.4%)	0 (0%)
	BN	0.4 (0.8%)	0 (0%)	0.4 (0.8%)	0 (0%)
	D	0.5 (0.8%)	0 (0%)	0.5 (0.9%)	0 (0%)
	C	0.6 (1%)	0 (0%)	0.5 (1%)	0 (0%)
	All	0.4 (0.8%)	0 (0%)	0.4 (0.7%)	0 (0%)
MAY	W	1 (2.1%)	0 (0%)	1 (2.1%)	0 (0%)
	AN	1 (2%)	0 (0%)	1 (2%)	0 (0%)
	BN	1.2 (2.4%)	0.1 (0.1%)	1.2 (2.3%)	0 (0%)
	D	1.2 (2.3%)	0 (0%)	1.2 (2.3%)	0 (0%)
	C	1.6 (3%)	0 (0%)	1.6 (3%)	0 (0%)
	All	1.2 (2.3%)	0 (0%)	1.2 (2.3%)	0 (0%)
JUN	W	0.6 (1%)	0 (0%)	0.6 (1%)	0 (0%)
	AN	0.7 (1.3%)	-0.1 (-0.2%)	0.9 (1.5%)	0 (0%)
	BN	0.6 (1.1%)	0 (0.1%)	0.6 (1%)	0 (0%)
	D	0.8 (1.3%)	-0.1 (-0.1%)	0.8 (1.4%)	0 (0%)
	C	1.2 (1.9%)	0 (0%)	1.2 (2%)	0 (0%)
	All	0.7 (1.3%)	0 (0%)	0.8 (1.3%)	0 (0%)

Alternative 2D and 5A: Trinity River below North Fork					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JUL	W	1.3 (2.1%)	-0.2 (-0.4%)	1.6 (2.5%)	0 (0%)
	AN	0.5 (0.9%)	-0.2 (-0.4%)	0.8 (1.2%)	0 (0%)
	BN	0.5 (0.8%)	0 (0%)	0.5 (0.8%)	0 (0%)
	D	0.9 (1.4%)	0 (0%)	0.9 (1.4%)	0 (0%)
	C	1.6 (2.3%)	0.2 (0.3%)	1.4 (2.1%)	0 (0%)
	All	1 (1.6%)	-0.1 (-0.1%)	1.1 (1.7%)	0 (0%)
AUG	W	1 (1.5%)	-0.1 (-0.2%)	1.1 (1.7%)	0 (0%)
	AN	1 (1.6%)	-0.1 (-0.1%)	1.1 (1.7%)	0 (0%)
	BN	1.3 (1.9%)	-0.1 (-0.2%)	1.4 (2.1%)	0 (0%)
	D	1.5 (2.3%)	0 (0%)	1.5 (2.3%)	0 (0%)
	C	2.1 (3.2%)	-0.3 (-0.4%)	2.4 (3.6%)	0 (0%)
	All	1.3 (2%)	-0.1 (-0.2%)	1.4 (2.2%)	0 (0%)
SEP	W	1.2 (2%)	0 (0%)	1.2 (2%)	0 (0%)
	AN	1.1 (1.9%)	0 (0%)	1.2 (2%)	0 (0%)
	BN	1.5 (2.5%)	-0.1 (-0.2%)	1.6 (2.7%)	0 (0%)
	D	1.8 (3.1%)	0.1 (0.1%)	1.7 (3%)	0 (0%)
	C	1.8 (3%)	-0.5 (-0.8%)	2.4 (3.9%)	0 (0%)
	All	1.5 (2.5%)	-0.1 (-0.2%)	1.6 (2.6%)	0 (0%)
OCT	W	1.1 (2.1%)	0 (0%)	1.1 (2.1%)	0 (0%)
	AN	1 (1.8%)	0 (0%)	1 (1.9%)	0 (0%)
	BN	1.1 (2.1%)	0 (0%)	1.2 (2.1%)	0 (0%)
	D	1 (1.8%)	0 (0%)	1 (1.8%)	0 (0%)
	C	1.2 (2.2%)	0 (-0.1%)	1.2 (2.2%)	0 (0%)
	All	1.1 (2%)	0 (0%)	1.1 (2%)	0 (0%)
NOV	W	0.8 (1.8%)	0 (0%)	0.8 (1.7%)	0 (0%)
	AN	0.7 (1.5%)	0 (0%)	0.7 (1.5%)	0 (0%)
	BN	0.9 (2%)	0 (0%)	0.9 (2%)	0 (0%)
	D	0.7 (1.6%)	0 (0%)	0.7 (1.7%)	0 (0%)
	C	0.9 (1.9%)	0.1 (0.2%)	0.8 (1.7%)	0 (0%)
	All	0.8 (1.8%)	0 (0%)	0.8 (1.7%)	0 (0%)
DEC	W	0.6 (1.4%)	0 (0%)	0.6 (1.4%)	0 (0%)
	AN	0.6 (1.4%)	-0.1 (-0.2%)	0.6 (1.6%)	0 (0%)
	BN	0.7 (1.7%)	0 (-0.1%)	0.7 (1.9%)	0 (0%)
	D	0.6 (1.5%)	0.1 (0.1%)	0.5 (1.4%)	0 (0%)
	C	0.6 (1.6%)	0 (0%)	0.6 (1.6%)	0 (0%)
	All	0.6 (1.5%)	0 (0%)	0.6 (1.5%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.11.9 Feather River at Fish Barrier Dam

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 2D Model Scenarios in the Feather River at Fish Barrier Dam, Year-Round

Alternative 2D and 5A: Feather River at Fish Barrier Dam					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JAN	W	48	49	49	49
	AN	47	49	49	49
	BN	48	49	49	49
	D	47	49	49	49
	C	48	49	50	49
	All	48	49	49	49
FEB	W	48	49	49	49
	AN	48	49	49	49
	BN	48	50	50	50
	D	49	50	50	50
	C	49	51	51	51
	All	48	50	50	50
MAR	W	49	50	50	50
	AN	49	50	50	50
	BN	50	51	51	51
	D	51	52	52	52
	C	51	52	52	53
	All	50	51	51	51
APR	W	51	51	51	51
	AN	51	52	52	52
	BN	52	53	53	52
	D	52	53	53	53
	C	52	53	53	53
	All	51	52	52	52
MAY	W	55	55	55	55
	AN	56	56	56	56
	BN	56	56	56	56
	D	56	56	56	56
	C	56	56	56	56
	All	55	56	56	56
JUN	W	57	58	57	58
	AN	58	58	58	58
	BN	58	58	57	58
	D	58	58	58	58
	C	58	58	58	58
	All	58	58	58	58

Alternative 2D and 5A: Feather River at Fish Barrier Dam					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JUL	W	61	61	61	61
	AN	61	61	61	61
	BN	61	61	61	61
	D	61	61	61	61
	C	61	62	63	62
	All	61	61	62	61
AUG	W	61	61	61	61
	AN	60	60	60	60
	BN	60	60	60	60
	D	60	61	61	61
	C	62	63	62	62
	All	61	61	61	61
SEP	W	56	55	55	55
	AN	56	55	55	56
	BN	56	56	57	57
	D	56	57	57	57
	C	58	59	58	58
	All	56	56	56	56
OCT	W	54	54	54	54
	AN	55	55	55	56
	BN	54	55	55	55
	D	54	55	55	55
	C	54	55	55	55
	All	54	55	55	55
NOV	W	52	53	53	53
	AN	53	54	54	55
	BN	53	54	54	53
	D	52	54	55	54
	C	53	54	53	53
	All	53	54	54	54
DEC	W	49	51	51	50
	AN	49	51	51	51
	BN	49	51	51	51
	D	49	51	51	51
	C	49	51	51	51
	All	49	51	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Fish Barrier Dam, Year-Round

Alternative 2D and 5A: Feather River at Fish Barrier Dam					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JAN	W	1.3 (2.7%)	0 (0%)	1.3 (2.8%)	0 (0.1%)
	AN	1.5 (3.1%)	-0.1 (-0.3%)	1.4 (3%)	-0.2 (-0.4%)
	BN	1.3 (2.8%)	-0.1 (-0.1%)	1.2 (2.4%)	-0.2 (-0.5%)
	D	1.6 (3.5%)	-0.1 (-0.3%)	1.6 (3.4%)	-0.1 (-0.3%)
	C	2 (4.3%)	0.3 (0.6%)	1.7 (3.7%)	0 (0.1%)
	All	1.5 (3.2%)	0 (0%)	1.4 (3%)	-0.1 (-0.2%)
FEB	W	1.1 (2.3%)	0 (0.1%)	1.1 (2.2%)	0 (0%)
	AN	1.4 (2.9%)	0 (0.1%)	1.2 (2.6%)	-0.1 (-0.2%)
	BN	1.5 (3%)	0 (0%)	1.5 (3.1%)	0 (0%)
	D	1.5 (3.1%)	0.1 (0.1%)	1.5 (3.2%)	0.1 (0.1%)
	C	1.8 (3.7%)	0.1 (0.1%)	1.7 (3.5%)	0 (0%)
	All	1.4 (2.9%)	0 (0.1%)	1.4 (2.8%)	0 (0%)
MAR	W	1 (2.1%)	0.1 (0.1%)	1 (2.1%)	0 (0.1%)
	AN	0.9 (1.9%)	0 (0%)	0.7 (1.5%)	-0.2 (-0.4%)
	BN	1.7 (3.5%)	0.1 (0.2%)	1.7 (3.4%)	0.1 (0.1%)
	D	1.1 (2.1%)	-0.2 (-0.5%)	1 (2%)	-0.3 (-0.6%)
	C	1.2 (2.4%)	0.1 (0.1%)	1.4 (2.7%)	0.2 (0.4%)
	All	1.2 (2.4%)	0 (0%)	1.1 (2.3%)	0 (-0.1%)
APR	W	0.6 (1.1%)	0 (0.1%)	0.6 (1.1%)	0 (0.1%)
	AN	0.6 (1.2%)	0.1 (0.1%)	0.6 (1.1%)	0 (0%)
	BN	0.5 (1%)	0 (0%)	0.5 (0.9%)	-0.1 (-0.1%)
	D	0.5 (1%)	-0.1 (-0.3%)	0.8 (1.5%)	0.1 (0.1%)
	C	1.1 (2.2%)	0 (0%)	1.1 (2.2%)	0 (0%)
	All	0.6 (1.2%)	0 (0%)	0.7 (1.3%)	0 (0%)
MAY	W	0.3 (0.6%)	0 (0%)	0.3 (0.6%)	0 (0%)
	AN	0 (0.1%)	-0.3 (-0.6%)	0.4 (0.7%)	0 (0%)
	BN	0.2 (0.3%)	-0.1 (-0.2%)	0.2 (0.4%)	0 (-0.1%)
	D	0.2 (0.3%)	0 (0%)	0.2 (0.4%)	0 (0%)
	C	0.4 (0.7%)	0.1 (0.2%)	0.4 (0.6%)	0.1 (0.1%)
	All	0.2 (0.4%)	-0.1 (-0.1%)	0.3 (0.5%)	0 (0%)
JUN	W	0.1 (0.2%)	-0.4 (-0.8%)	0.2 (0.4%)	-0.3 (-0.5%)
	AN	-0.3 (-0.4%)	-0.5 (-0.9%)	0 (0.1%)	-0.2 (-0.4%)
	BN	-0.6 (-1%)	-0.7 (-1.3%)	-0.2 (-0.4%)	-0.4 (-0.6%)
	D	0.1 (0.1%)	-0.1 (-0.2%)	0.1 (0.1%)	-0.1 (-0.2%)
	C	0.4 (0.7%)	0.1 (0.1%)	0.4 (0.7%)	0.1 (0.1%)
	All	0 (-0.1%)	-0.4 (-0.6%)	0.1 (0.2%)	-0.2 (-0.4%)

Alternative 2D and 5A: Feather River at Fish Barrier Dam					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JUL	W	0.2 (0.3%)	0.1 (0.2%)	0 (0%)	-0.1 (-0.1%)
	AN	0.1 (0.2%)	0 (0%)	0 (0.1%)	-0.1 (-0.1%)
	BN	0.3 (0.5%)	0.1 (0.2%)	0.1 (0.2%)	-0.1 (-0.1%)
	D	0.7 (1.1%)	0.4 (0.7%)	0.4 (0.6%)	0.1 (0.2%)
	C	1.8 (2.9%)	0.9 (1.4%)	1.2 (1.9%)	0.3 (0.5%)
	All	0.5 (0.9%)	0.3 (0.5%)	0.3 (0.5%)	0 (0%)
AUG	W	0 (0%)	0.4 (0.7%)	-0.1 (-0.1%)	0.3 (0.5%)
	AN	0.3 (0.4%)	0.3 (0.5%)	0.1 (0.2%)	0.1 (0.2%)
	BN	0.5 (0.8%)	0.2 (0.3%)	0.4 (0.6%)	0.1 (0.2%)
	D	1 (1.7%)	0.2 (0.3%)	1 (1.8%)	0.3 (0.4%)
	C	0.6 (1%)	-0.5 (-0.9%)	0.6 (1%)	-0.6 (-0.9%)
	All	0.4 (0.7%)	0.2 (0.3%)	0.4 (0.6%)	0.1 (0.2%)
SEP	W	-1.1 (-2%)	0.2 (0.4%)	-0.8 (-1.5%)	0.5 (0.9%)
	AN	-0.8 (-1.5%)	0.3 (0.6%)	-0.1 (-0.2%)	1 (1.9%)
	BN	0.8 (1.5%)	0.9 (1.6%)	1.1 (2%)	1.2 (2.2%)
	D	1.5 (2.7%)	0 (0%)	1.6 (2.9%)	0.1 (0.1%)
	C	0 (-0.1%)	-0.8 (-1.4%)	0.4 (0.8%)	-0.3 (-0.6%)
	All	0 (0%)	0.1 (0.3%)	0.3 (0.6%)	0.5 (0.8%)
OCT	W	0.6 (1%)	-0.1 (-0.2%)	0.4 (0.7%)	-0.3 (-0.5%)
	AN	0.2 (0.3%)	-0.3 (-0.6%)	0.8 (1.5%)	0.3 (0.5%)
	BN	0.8 (1.4%)	-0.3 (-0.6%)	0.6 (1.1%)	-0.4 (-0.8%)
	D	1.3 (2.4%)	-0.3 (-0.6%)	1 (1.9%)	-0.6 (-1.1%)
	C	0.5 (1%)	-0.6 (-1%)	0.4 (0.7%)	-0.7 (-1.3%)
	All	0.7 (1.3%)	-0.3 (-0.5%)	0.6 (1.2%)	-0.4 (-0.7%)
NOV	W	1.2 (2.2%)	0.1 (0.2%)	0.8 (1.6%)	-0.2 (-0.4%)
	AN	1.2 (2.2%)	-0.1 (-0.1%)	1.6 (3%)	0.3 (0.6%)
	BN	0.8 (1.6%)	-0.1 (-0.2%)	0.5 (1%)	-0.5 (-0.8%)
	D	2.4 (4.5%)	0.5 (0.9%)	1.6 (3.1%)	-0.3 (-0.5%)
	C	0.7 (1.4%)	-0.4 (-0.7%)	0.5 (0.9%)	-0.6 (-1.1%)
	All	1.3 (2.5%)	0.1 (0.1%)	1 (1.9%)	-0.3 (-0.5%)
DEC	W	1.8 (3.7%)	-0.1 (-0.1%)	1.5 (3.1%)	-0.4 (-0.7%)
	AN	1.8 (3.7%)	-0.2 (-0.3%)	1.8 (3.7%)	-0.2 (-0.4%)
	BN	2.4 (4.9%)	0.3 (0.6%)	2.2 (4.6%)	0.2 (0.3%)
	D	2.5 (5%)	0 (0%)	2.1 (4.3%)	-0.3 (-0.6%)
	C	2.1 (4.2%)	0.4 (0.9%)	1.9 (3.9%)	0.3 (0.6%)
	All	2.1 (4.3%)	0.1 (0.2%)	1.9 (3.8%)	-0.1 (-0.3%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.11.10 Feather River Low-Flow Channel (above Thermalito Afterbay)

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 2D Model Scenarios in the Feather River Low-Flow Channel (above Thermalito Afterbay), Year-Round

Alternative 2D and 5A: River Low-Flow Channel (above Thermalito Afterbay)					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JAN	W	47	47	49	49
	AN	47	47	49	49
	BN	47	47	48	48
	D	47	47	48	48
	C	47	47	49	49
	All	47	47	49	49
FEB	W	49	49	50	50
	AN	49	49	50	50
	BN	49	49	50	50
	D	49	49	51	51
	C	50	50	52	52
	All	49	49	50	50
MAR	W	50	50	51	51
	AN	51	51	52	52
	BN	51	52	53	53
	D	52	52	53	53
	C	53	53	54	54
	All	51	51	53	53
APR	W	53	53	54	54
	AN	55	55	55	55
	BN	55	55	56	56
	D	55	55	56	56
	C	55	55	56	56
	All	55	55	55	55
MAY	W	59	59	60	60
	AN	60	60	61	61
	BN	60	60	61	61
	D	60	60	61	61
	C	60	60	61	61
	All	60	60	61	61
JUN	W	63	63	64	64
	AN	64	64	65	65
	BN	64	64	64	65
	D	64	64	65	65
	C	63	63	64	64
	All	64	64	64	64

Alternative 2D and 5A: River Low-Flow Channel (above Thermalito Afterbay)					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JUL	W	68	68	68	68
	AN	67	67	68	68
	BN	67	67	68	68
	D	67	67	68	68
	C	67	68	69	69
	All	67	67	68	68
AUG	W	66	66	67	67
	AN	65	65	66	66
	BN	66	66	67	67
	D	65	65	67	67
	C	67	67	68	68
	All	66	66	67	67
SEP	W	60	59	60	60
	AN	60	59	60	60
	BN	60	60	61	62
	D	60	60	61	62
	C	61	61	62	62
	All	60	60	61	61
OCT	W	55	55	56	56
	AN	57	56	57	58
	BN	56	56	57	57
	D	56	56	57	57
	C	56	56	57	57
	All	56	56	57	57
NOV	W	52	52	54	53
	AN	53	53	55	55
	BN	53	53	54	54
	D	53	53	55	54
	C	53	53	54	54
	All	53	53	54	54
DEC	W	48	48	50	50
	AN	49	49	50	50
	BN	48	48	50	50
	D	48	48	50	50
	C	48	48	50	50
	All	48	48	50	50

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River Low-Flow Channel (above Thermalito Afterbay), Year-Round

Alternative 2D and 5A: River Low-Flow Channel (above Thermalito Afterbay)					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JAN	W	1.3 (2.8%)	1.3 (2.8%)	1.4 (2.9%)	0.1 (0.1%)
	AN	1.5 (3.2%)	1.3 (2.8%)	1.5 (3.1%)	-0.1 (-0.3%)
	BN	1.3 (2.7%)	1.5 (3.1%)	1.2 (2.5%)	-0.2 (-0.4%)
	D	1.6 (3.3%)	1.5 (3.2%)	1.5 (3.3%)	-0.1 (-0.3%)
	C	1.9 (4%)	2 (4.2%)	1.7 (3.5%)	0 (0%)
	All	1.5 (3.1%)	1.5 (3.2%)	1.4 (3%)	-0.1 (-0.1%)
FEB	W	1.2 (2.4%)	1.3 (2.6%)	1.2 (2.4%)	0 (0%)
	AN	1.4 (2.8%)	1.4 (2.8%)	1.3 (2.6%)	-0.1 (-0.1%)
	BN	1.5 (3%)	1.4 (2.8%)	1.5 (3%)	0 (0%)
	D	1.5 (3%)	1.4 (2.9%)	1.5 (3.1%)	0 (0.1%)
	C	1.7 (3.4%)	1.7 (3.4%)	1.7 (3.4%)	0 (0%)
	All	1.4 (2.9%)	1.4 (2.9%)	1.4 (2.8%)	0 (0%)
MAR	W	1 (2.1%)	1.1 (2.2%)	1 (2.1%)	0 (0.1%)
	AN	0.9 (1.8%)	1 (1.9%)	0.8 (1.6%)	-0.1 (-0.2%)
	BN	1.5 (3%)	1.2 (2.3%)	1.5 (2.9%)	0 (0.1%)
	D	1.1 (2%)	1 (1.8%)	1 (1.9%)	-0.2 (-0.5%)
	C	1.2 (2.3%)	1.1 (2.1%)	1.3 (2.5%)	0.1 (0.2%)
	All	1.1 (2.2%)	1.1 (2.1%)	1.1 (2.2%)	0 (-0.1%)
APR	W	0.6 (1.2%)	0.6 (1.2%)	0.6 (1.2%)	0 (0%)
	AN	0.7 (1.3%)	0.7 (1.3%)	0.7 (1.2%)	0 (0%)
	BN	0.6 (1.1%)	0.6 (1%)	0.6 (1%)	0 (-0.1%)
	D	0.7 (1.3%)	0.8 (1.4%)	0.9 (1.6%)	0 (0.1%)
	C	1 (1.9%)	1.1 (2%)	1.1 (2%)	0 (0%)
	All	0.7 (1.3%)	0.7 (1.3%)	0.8 (1.4%)	0 (0%)
MAY	W	0.8 (1.3%)	0.8 (1.3%)	0.8 (1.4%)	0 (0%)
	AN	0.6 (1%)	0.6 (1%)	0.8 (1.3%)	0 (0%)
	BN	0.7 (1.2%)	0.7 (1.1%)	0.7 (1.2%)	0 (0%)
	D	0.7 (1.2%)	0.7 (1.2%)	0.7 (1.2%)	0 (0%)
	C	0.9 (1.4%)	0.8 (1.4%)	0.8 (1.4%)	0 (0%)
	All	0.7 (1.2%)	0.7 (1.2%)	0.8 (1.3%)	0 (0%)
JUN	W	0.7 (1.2%)	0.7 (1.2%)	0.8 (1.3%)	-0.2 (-0.3%)
	AN	0.6 (0.9%)	0.6 (1%)	0.8 (1.2%)	-0.2 (-0.2%)
	BN	0.4 (0.6%)	0.4 (0.6%)	0.7 (1%)	-0.2 (-0.3%)
	D	0.8 (1.3%)	0.9 (1.4%)	0.8 (1.3%)	-0.1 (-0.1%)
	C	0.9 (1.4%)	0.9 (1.5%)	0.9 (1.4%)	0.1 (0.1%)
	All	0.7 (1.1%)	0.7 (1.1%)	0.8 (1.3%)	-0.1 (-0.2%)

Alternative 2D and 5A: River Low-Flow Channel (above Thermalito Afterbay)					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JUL	W	0.9 (1.3%)	0.9 (1.4%)	0.8 (1.1%)	-0.1 (-0.1%)
	AN	0.9 (1.3%)	0.9 (1.4%)	0.8 (1.2%)	0 (-0.1%)
	BN	1 (1.5%)	1 (1.5%)	0.9 (1.3%)	-0.1 (-0.1%)
	D	1.2 (1.8%)	1.2 (1.8%)	1 (1.6%)	0.1 (0.1%)
	C	2 (3%)	1.6 (2.4%)	1.6 (2.5%)	0.2 (0.3%)
	All	1.2 (1.7%)	1.1 (1.6%)	1 (1.5%)	0 (0%)
AUG	W	0.8 (1.2%)	0.9 (1.4%)	0.7 (1.1%)	0.2 (0.3%)
	AN	0.9 (1.4%)	1 (1.5%)	0.8 (1.2%)	0.1 (0.1%)
	BN	1.1 (1.7%)	1.1 (1.7%)	1.1 (1.6%)	0.1 (0.1%)
	D	1.4 (2.2%)	1.2 (1.8%)	1.5 (2.2%)	0.2 (0.3%)
	C	1.2 (1.8%)	1.2 (1.7%)	1.2 (1.8%)	-0.4 (-0.6%)
	All	1.1 (1.6%)	1.1 (1.6%)	1 (1.6%)	0.1 (0.1%)
SEP	W	-0.3 (-0.5%)	0.8 (1.3%)	-0.1 (-0.2%)	0.3 (0.6%)
	AN	-0.1 (-0.2%)	0.9 (1.5%)	0.4 (0.7%)	0.8 (1.3%)
	BN	1.1 (1.8%)	1.2 (2%)	1.3 (2.1%)	0.8 (1.4%)
	D	1.6 (2.7%)	1.5 (2.5%)	1.7 (2.8%)	0.1 (0.1%)
	C	0.4 (0.7%)	1 (1.6%)	0.8 (1.3%)	-0.2 (-0.4%)
	All	0.5 (0.8%)	1.1 (1.8%)	0.7 (1.2%)	0.3 (0.6%)
OCT	W	0.7 (1.3%)	0.7 (1.2%)	0.6 (1.1%)	-0.2 (-0.4%)
	AN	0.5 (0.9%)	0.9 (1.6%)	1 (1.7%)	0.2 (0.4%)
	BN	1 (1.7%)	0.7 (1.2%)	0.9 (1.5%)	-0.4 (-0.6%)
	D	1.4 (2.4%)	1.4 (2.5%)	1.1 (2%)	-0.5 (-0.9%)
	C	0.8 (1.4%)	0.8 (1.4%)	0.7 (1.2%)	-0.6 (-1%)
	All	0.9 (1.6%)	0.9 (1.6%)	0.8 (1.5%)	-0.3 (-0.5%)
NOV	W	1.2 (2.3%)	1.2 (2.3%)	0.9 (1.8%)	-0.2 (-0.3%)
	AN	1.2 (2.2%)	1.1 (2%)	1.5 (2.8%)	0.3 (0.5%)
	BN	0.9 (1.7%)	1 (2%)	0.6 (1.2%)	-0.4 (-0.7%)
	D	2.2 (4.1%)	2.1 (4.1%)	1.6 (3%)	-0.2 (-0.4%)
	C	0.8 (1.5%)	0.8 (1.5%)	0.6 (1.1%)	-0.5 (-1%)
	All	1.3 (2.5%)	1.3 (2.5%)	1 (2%)	-0.2 (-0.4%)
DEC	W	1.8 (3.6%)	1.8 (3.8%)	1.5 (3%)	-0.3 (-0.6%)
	AN	1.7 (3.5%)	1.6 (3.4%)	1.7 (3.4%)	-0.2 (-0.4%)
	BN	2.1 (4.4%)	2 (4.2%)	2 (4.2%)	0.1 (0.2%)
	D	2.2 (4.6%)	2.2 (4.5%)	2 (4.1%)	-0.3 (-0.5%)
	C	1.9 (3.9%)	1.9 (4%)	1.8 (3.7%)	0.3 (0.5%)
	All	1.9 (4%)	1.9 (4%)	1.7 (3.6%)	-0.1 (-0.3%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.11.11 Feather River High-Flow Channel (below Thermalito Afterbay)

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 2D Model Scenarios in the Feather River High-Flow Channel (below Thermalito Afterbay), Year-Round

Alternative 2D and 5A: Feather River High-Flow Channel (below Thermalito Afterbay)					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JAN	W	47	47	48	48
	AN	47	47	48	48
	BN	46	46	48	47
	D	46	46	47	47
	C	46	46	48	48
	All	47	46	48	48
FEB	W	49	49	50	50
	AN	49	49	51	51
	BN	49	50	51	51
	D	50	50	51	52
	C	51	51	52	52
	All	50	50	51	51
MAR	W	51	51	52	52
	AN	52	53	53	53
	BN	53	54	55	55
	D	54	54	56	56
	C	54	54	56	55
	All	53	53	54	54
APR	W	55	55	56	56
	AN	57	57	58	58
	BN	58	57	58	58
	D	57	57	59	59
	C	57	57	58	58
	All	57	57	57	57
MAY	W	61	61	62	62
	AN	63	63	63	64
	BN	63	63	64	64
	D	63	63	64	64
	C	63	63	65	65
	All	62	62	63	63
JUN	W	66	66	66	67
	AN	67	67	67	68
	BN	67	67	66	68
	D	68	68	69	69
	C	68	68	69	69
	All	67	67	67	68

Alternative 2D and 5A: Feather River High-Flow Channel (below Thermalito Afterbay)					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JUL	W	70	69	70	69
	AN	68	68	68	68
	BN	68	68	70	68
	D	68	68	71	69
	C	70	70	74	74
	All	69	69	71	70
AUG	W	70	70	70	70
	AN	67	67	69	67
	BN	68	68	70	69
	D	67	68	71	70
	C	70	71	72	72
	All	69	69	70	70
SEP	W	64	61	63	64
	AN	64	61	64	64
	BN	65	65	65	64
	D	64	64	65	64
	C	64	64	66	66
	All	64	63	64	64
OCT	W	58	59	60	60
	AN	60	59	60	61
	BN	59	59	60	60
	D	58	58	60	60
	C	59	59	60	60
	All	59	59	60	60
NOV	W	53	53	54	54
	AN	54	54	55	55
	BN	53	53	54	54
	D	53	53	55	54
	C	53	53	55	54
	All	53	53	54	54
DEC	W	48	47	49	49
	AN	48	48	49	49
	BN	47	47	49	49
	D	47	47	49	49
	C	47	47	48	48
	All	47	47	49	49

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River High-Flow Channel (below Thermalito Afterbay), Year-Round

Alternative 2D and 5A: Feather River High-Flow Channel (below Thermalito Afterbay)					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JAN	W	1.2 (2.6%)	1.3 (2.7%)	1.3 (2.8%)	0 (0.1%)
	AN	1.4 (2.9%)	1.4 (3%)	1.3 (2.7%)	-0.1 (-0.2%)
	BN	1.2 (2.5%)	1.3 (2.9%)	1.1 (2.3%)	-0.3 (-0.5%)
	D	1.3 (2.9%)	1.4 (3%)	1.3 (2.9%)	0 (0.1%)
	C	1.6 (3.4%)	1.7 (3.7%)	1.5 (3.2%)	-0.1 (-0.1%)
	All	1.3 (2.8%)	1.4 (3%)	1.3 (2.8%)	0 (-0.1%)
FEB	W	1.2 (2.4%)	1.1 (2.3%)	1.1 (2.3%)	-0.1 (-0.1%)
	AN	1.4 (2.8%)	1.2 (2.3%)	1.4 (2.8%)	-0.2 (-0.4%)
	BN	1.6 (3.3%)	1.5 (3.1%)	1.7 (3.4%)	0.1 (0.2%)
	D	1.5 (2.9%)	1.4 (2.8%)	1.5 (3%)	0.1 (0.2%)
	C	1.6 (3.2%)	1.6 (3.2%)	1.5 (3%)	0 (0%)
	All	1.4 (2.9%)	1.3 (2.7%)	1.4 (2.8%)	0 (0%)
MAR	W	1 (1.9%)	1 (1.9%)	0.9 (1.8%)	0 (0%)
	AN	0.3 (0.6%)	0.2 (0.4%)	0.2 (0.3%)	-0.2 (-0.3%)
	BN	1.6 (3%)	1.2 (2.2%)	1.5 (2.8%)	0.2 (0.3%)
	D	1.3 (2.4%)	1.1 (2%)	1.3 (2.4%)	0.1 (0.2%)
	C	1.7 (3.1%)	1.6 (3%)	1.5 (2.8%)	0.1 (0.2%)
	All	1.2 (2.2%)	1 (1.9%)	1.1 (2.1%)	0 (0.1%)
APR	W	0.7 (1.3%)	0.7 (1.3%)	0.7 (1.3%)	0 (0%)
	AN	0.9 (1.5%)	0.9 (1.5%)	0.9 (1.5%)	0 (0%)
	BN	0.5 (0.8%)	0.6 (1%)	0.4 (0.8%)	0 (-0.1%)
	D	1.4 (2.4%)	1.4 (2.5%)	1.2 (2%)	0.1 (0.2%)
	C	1.4 (2.4%)	1.4 (2.5%)	1.2 (2.1%)	0.1 (0.1%)
	All	0.9 (1.7%)	1 (1.7%)	0.9 (1.5%)	0 (0.1%)
MAY	W	1.3 (2.2%)	1.3 (2.2%)	1.3 (2.2%)	0 (0%)
	AN	0.4 (0.7%)	0.4 (0.6%)	0.9 (1.4%)	0 (0%)
	BN	1 (1.6%)	1.1 (1.7%)	1.2 (1.8%)	0 (0%)
	D	1.4 (2.2%)	1.4 (2.2%)	1.5 (2.4%)	0 (0%)
	C	1.4 (2.3%)	1.5 (2.4%)	1.4 (2.2%)	-0.1 (-0.1%)
	All	1.2 (1.9%)	1.2 (1.9%)	1.3 (2.1%)	0 (0%)
JUN	W	0.3 (0.4%)	0.3 (0.5%)	1.3 (2.1%)	-0.3 (-0.5%)
	AN	-0.8 (-1.1%)	-0.7 (-1.1%)	0.8 (1.2%)	-0.6 (-0.9%)
	BN	-1.4 (-2.1%)	-1.4 (-2.1%)	0.5 (0.8%)	-0.7 (-1%)
	D	0.7 (1%)	0.6 (0.9%)	1 (1.5%)	-0.5 (-0.7%)
	C	1.7 (2.4%)	1.6 (2.4%)	1.8 (2.6%)	0.2 (0.3%)
	All	0.1 (0.2%)	0.1 (0.2%)	1.1 (1.7%)	-0.4 (-0.6%)

Alternative 2D and 5A: Feather River High-Flow Channel (below Thermalito Afterbay)					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JUL	W	0.7 (1%)	0.8 (1.2%)	-0.3 (-0.4%)	-0.3 (-0.5%)
	AN	0.5 (0.8%)	0.8 (1.1%)	0.1 (0.2%)	-0.4 (-0.5%)
	BN	1.5 (2.2%)	1.6 (2.3%)	0.5 (0.7%)	-0.5 (-0.8%)
	D	2.8 (4.1%)	2.7 (4%)	1.4 (2.1%)	0.1 (0.2%)
	C	4.5 (6.4%)	4 (5.6%)	3.9 (5.6%)	1.9 (2.7%)
	All	1.8 (2.7%)	1.8 (2.7%)	0.9 (1.3%)	0.1 (0.1%)
AUG	W	0.5 (0.7%)	0.7 (1%)	0.3 (0.4%)	0.3 (0.4%)
	AN	1.6 (2.4%)	1.6 (2.4%)	0.2 (0.3%)	-0.5 (-0.8%)
	BN	1.9 (2.8%)	2 (3%)	1.1 (1.6%)	-0.1 (-0.2%)
	D	3.6 (5.4%)	3.2 (4.8%)	2.7 (4.1%)	0.7 (1%)
	C	1.7 (2.4%)	1 (1.3%)	2.4 (3.4%)	0.2 (0.3%)
	All	1.8 (2.6%)	1.6 (2.4%)	1.3 (1.9%)	0.2 (0.2%)
SEP	W	-1.1 (-1.7%)	1.9 (3.1%)	0.1 (0.1%)	2.2 (3.6%)
	AN	-0.4 (-0.6%)	2.3 (3.7%)	0.3 (0.5%)	2.2 (3.5%)
	BN	0.1 (0.2%)	0 (0%)	-0.5 (-0.8%)	-1.5 (-2.3%)
	D	0.5 (0.8%)	0.8 (1.2%)	-0.5 (-0.8%)	-1 (-1.5%)
	C	1.7 (2.6%)	1.9 (2.9%)	1.7 (2.7%)	0.1 (0.2%)
	All	0 (0%)	1.4 (2.2%)	0.1 (0.2%)	0.6 (0.9%)
OCT	W	1.2 (2%)	1 (1.8%)	1.1 (1.8%)	-0.2 (-0.3%)
	AN	0.8 (1.4%)	1 (1.6%)	1.3 (2.2%)	0.3 (0.4%)
	BN	1.1 (1.8%)	0.9 (1.5%)	0.9 (1.5%)	-0.4 (-0.6%)
	D	1.4 (2.4%)	1.4 (2.4%)	1.3 (2.2%)	-0.1 (-0.1%)
	C	1.5 (2.5%)	1.4 (2.4%)	1.1 (1.8%)	-0.3 (-0.5%)
	All	1.2 (2%)	1.1 (1.9%)	1.1 (1.9%)	-0.2 (-0.3%)
NOV	W	1.2 (2.3%)	1.1 (2.2%)	1.1 (2%)	-0.1 (-0.1%)
	AN	1.3 (2.5%)	1.3 (2.3%)	1.5 (2.9%)	0.2 (0.3%)
	BN	1.1 (2%)	1.2 (2.3%)	0.9 (1.6%)	-0.3 (-0.5%)
	D	1.8 (3.4%)	1.8 (3.4%)	1.4 (2.7%)	-0.2 (-0.4%)
	C	1.1 (2%)	1 (1.9%)	1 (1.8%)	-0.2 (-0.4%)
	All	1.3 (2.5%)	1.3 (2.4%)	1.2 (2.2%)	-0.1 (-0.2%)
DEC	W	1.4 (2.9%)	1.5 (3.2%)	1.2 (2.6%)	-0.2 (-0.5%)
	AN	1.6 (3.3%)	1.5 (3%)	1.6 (3.4%)	-0.1 (-0.1%)
	BN	1.7 (3.6%)	1.7 (3.6%)	1.7 (3.6%)	0.1 (0.3%)
	D	2 (4.2%)	1.9 (4.1%)	1.8 (3.8%)	0 (0%)
	C	1.3 (2.7%)	1.3 (2.7%)	1.6 (3.5%)	0.2 (0.5%)
	All	1.6 (3.3%)	1.6 (3.4%)	1.5 (3.3%)	0 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.11.12 Feather River at Gridley Dam

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 2D Model Scenarios in the Feather River at Gridley Dam, Year-Round

Alternative 2D and 5A: Feather River at Gridley Dam					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JAN	W	47	47	48	48
	AN	47	47	48	48
	BN	46	46	47	47
	D	46	45	47	47
	C	46	46	48	48
	All	46	46	48	48
FEB	W	49	49	50	50
	AN	49	50	51	51
	BN	50	50	51	51
	D	50	50	52	52
	C	51	51	53	52
	All	50	50	51	51
MAR	W	51	51	52	52
	AN	53	53	53	53
	BN	54	54	55	55
	D	55	55	56	56
	C	54	54	56	56
	All	53	53	54	54
APR	W	56	56	56	56
	AN	58	58	59	59
	BN	59	59	59	59
	D	59	59	60	60
	C	58	58	60	59
	All	58	58	58	58
MAY	W	61	61	63	63
	AN	64	64	64	65
	BN	64	64	65	65
	D	64	64	65	66
	C	64	64	66	66
	All	63	63	64	65
JUN	W	67	67	67	68
	AN	69	69	68	69
	BN	69	69	67	69
	D	69	69	70	70
	C	69	69	70	70
	All	68	68	68	69

Alternative 2D and 5A: Feather River at Gridley Dam					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JUL	W	70	70	71	70
	AN	69	68	69	69
	BN	69	69	70	69
	D	69	69	72	70
	C	71	71	75	75
	All	70	70	72	71
AUG	W	71	71	71	71
	AN	68	68	70	68
	BN	69	69	71	70
	D	68	68	72	71
	C	71	72	73	73
	All	69	70	71	71
SEP	W	65	61	63	65
	AN	65	62	64	65
	BN	66	66	67	66
	D	65	65	66	66
	C	66	65	67	67
	All	65	64	65	66
OCT	W	59	59	60	60
	AN	60	60	61	61
	BN	60	60	61	61
	D	59	59	60	60
	C	59	59	61	61
	All	59	59	60	60
NOV	W	53	53	54	54
	AN	54	54	55	55
	BN	53	53	54	54
	D	53	53	54	54
	C	54	54	55	55
	All	53	53	54	54
DEC	W	48	47	49	49
	AN	47	48	49	49
	BN	47	47	48	48
	D	47	47	49	48
	C	46	46	48	48
	All	47	47	49	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Gridley Dam, Year-Round

Alternative 2D and 5A: Feather River at Gridley Dam					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JAN	W	1.2 (2.5%)	1.3 (2.7%)	1.3 (2.8%)	0 (0.1%)
	AN	1.4 (2.9%)	1.4 (3%)	1.3 (2.7%)	-0.1 (-0.2%)
	BN	1.1 (2.5%)	1.3 (2.9%)	1.1 (2.3%)	-0.3 (-0.5%)
	D	1.3 (2.8%)	1.4 (3%)	1.3 (2.9%)	0.1 (0.1%)
	C	1.6 (3.4%)	1.7 (3.7%)	1.5 (3.1%)	-0.1 (-0.2%)
	All	1.3 (2.8%)	1.4 (3%)	1.3 (2.8%)	0 (-0.1%)
FEB	W	1.2 (2.4%)	1.1 (2.3%)	1.1 (2.3%)	-0.1 (-0.1%)
	AN	1.4 (2.9%)	1.2 (2.3%)	1.4 (2.9%)	-0.2 (-0.4%)
	BN	1.7 (3.4%)	1.5 (3%)	1.7 (3.5%)	0.1 (0.3%)
	D	1.4 (2.9%)	1.4 (2.8%)	1.5 (2.9%)	0.1 (0.1%)
	C	1.6 (3.1%)	1.6 (3.1%)	1.5 (2.9%)	0 (0%)
	All	1.4 (2.8%)	1.3 (2.7%)	1.4 (2.8%)	0 (0%)
MAR	W	1 (1.8%)	0.9 (1.8%)	0.9 (1.7%)	0 (0%)
	AN	0.3 (0.7%)	0.2 (0.4%)	0.2 (0.3%)	-0.2 (-0.4%)
	BN	1.6 (3%)	1.2 (2.2%)	1.5 (2.8%)	0.1 (0.2%)
	D	1.3 (2.3%)	1.1 (2%)	1.3 (2.3%)	0.1 (0.1%)
	C	1.5 (2.8%)	1.5 (2.7%)	1.4 (2.5%)	0.1 (0.2%)
	All	1.1 (2.1%)	1 (1.9%)	1 (2%)	0 (0%)
APR	W	0.7 (1.3%)	0.7 (1.3%)	0.7 (1.3%)	0 (0%)
	AN	0.9 (1.5%)	0.9 (1.5%)	0.8 (1.5%)	0 (0%)
	BN	0.6 (1%)	0.6 (1.1%)	0.6 (0.9%)	0 (0%)
	D	1.2 (2.1%)	1.2 (2.1%)	1.1 (1.9%)	0.1 (0.2%)
	C	1.2 (2.1%)	1.2 (2.1%)	1.1 (1.9%)	0 (0%)
	All	0.9 (1.5%)	0.9 (1.6%)	0.9 (1.5%)	0 (0%)
MAY	W	1.5 (2.4%)	1.5 (2.4%)	1.5 (2.4%)	0 (0%)
	AN	0.4 (0.7%)	0.4 (0.6%)	1.1 (1.7%)	0 (0%)
	BN	1 (1.6%)	1 (1.6%)	1.2 (1.9%)	0 (0%)
	D	1.3 (2%)	1.3 (2%)	1.4 (2.2%)	0 (0%)
	C	1.4 (2.2%)	1.5 (2.3%)	1.4 (2.2%)	-0.1 (-0.1%)
	All	1.2 (1.9%)	1.2 (1.9%)	1.4 (2.1%)	0 (0%)
JUN	W	0.4 (0.6%)	0.4 (0.6%)	1.4 (2.1%)	-0.5 (-0.7%)
	AN	-0.9 (-1.2%)	-0.8 (-1.2%)	0.7 (1.1%)	-0.8 (-1.1%)
	BN	-1.6 (-2.4%)	-1.6 (-2.4%)	0.3 (0.5%)	-0.9 (-1.3%)
	D	0.6 (0.9%)	0.6 (0.9%)	0.9 (1.3%)	-0.5 (-0.7%)
	C	1.6 (2.4%)	1.6 (2.4%)	1.7 (2.5%)	0.2 (0.2%)
	All	0.1 (0.2%)	0.1 (0.2%)	1.1 (1.6%)	-0.5 (-0.7%)

Alternative 2D and 5A: Feather River at Gridley Dam					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JUL	W	0.8 (1.2%)	1 (1.4%)	-0.2 (-0.3%)	-0.4 (-0.5%)
	AN	0.6 (0.9%)	0.9 (1.3%)	0.2 (0.3%)	-0.4 (-0.5%)
	BN	1.6 (2.3%)	1.7 (2.5%)	0.6 (0.8%)	-0.5 (-0.7%)
	D	2.9 (4.3%)	2.9 (4.2%)	1.5 (2.2%)	0.1 (0.2%)
	C	4.6 (6.6%)	4.1 (5.8%)	4 (5.7%)	1.9 (2.6%)
	All	2 (2.8%)	2 (2.8%)	1 (1.4%)	0.1 (0.1%)
AUG	W	0.4 (0.6%)	0.8 (1.1%)	0.3 (0.4%)	0.3 (0.5%)
	AN	1.6 (2.4%)	1.7 (2.5%)	0.2 (0.3%)	-0.4 (-0.6%)
	BN	2 (2.9%)	2.1 (3.1%)	1.2 (1.8%)	-0.1 (-0.1%)
	D	3.8 (5.7%)	3.3 (4.8%)	3 (4.4%)	0.7 (1.1%)
	C	1.8 (2.5%)	1.3 (1.8%)	2.4 (3.4%)	0.2 (0.2%)
	All	1.8 (2.6%)	1.8 (2.5%)	1.3 (1.9%)	0.2 (0.3%)
SEP	W	-1.6 (-2.4%)	2 (3.3%)	-0.4 (-0.6%)	2.3 (3.8%)
	AN	-0.7 (-1.1%)	2.4 (3.9%)	0.3 (0.4%)	2.5 (4%)
	BN	0.7 (1.1%)	0.6 (1%)	0.3 (0.5%)	-0.6 (-0.8%)
	D	1 (1.6%)	1.2 (1.8%)	0.4 (0.6%)	-0.6 (-0.9%)
	C	1.6 (2.4%)	1.8 (2.7%)	1.6 (2.5%)	0.1 (0.1%)
	All	0 (0%)	1.6 (2.5%)	0.3 (0.5%)	0.9 (1.3%)
OCT	W	1.2 (2.1%)	1.1 (1.8%)	1.1 (1.9%)	-0.2 (-0.4%)
	AN	0.9 (1.5%)	1 (1.7%)	1.2 (2.1%)	0.2 (0.3%)
	BN	1.2 (1.9%)	0.9 (1.6%)	1 (1.7%)	-0.3 (-0.5%)
	D	1.4 (2.3%)	1.3 (2.3%)	1.3 (2.2%)	-0.1 (-0.2%)
	C	1.4 (2.4%)	1.3 (2.3%)	1.1 (1.9%)	-0.3 (-0.5%)
	All	1.2 (2.1%)	1.1 (1.9%)	1.1 (1.9%)	-0.2 (-0.3%)
NOV	W	1.2 (2.2%)	1.2 (2.2%)	1.1 (2%)	-0.1 (-0.1%)
	AN	1.3 (2.3%)	1.2 (2.2%)	1.5 (2.7%)	0.2 (0.3%)
	BN	1.1 (2%)	1.2 (2.2%)	0.9 (1.7%)	-0.2 (-0.4%)
	D	1.7 (3.3%)	1.7 (3.3%)	1.4 (2.6%)	-0.2 (-0.4%)
	C	1.1 (2%)	1.1 (2%)	1 (1.9%)	-0.2 (-0.4%)
	All	1.3 (2.4%)	1.3 (2.4%)	1.2 (2.2%)	-0.1 (-0.2%)
DEC	W	1.3 (2.8%)	1.5 (3.2%)	1.2 (2.6%)	-0.2 (-0.5%)
	AN	1.6 (3.3%)	1.4 (3%)	1.6 (3.3%)	-0.1 (-0.2%)
	BN	1.7 (3.6%)	1.6 (3.5%)	1.6 (3.5%)	0.1 (0.2%)
	D	1.9 (4.1%)	1.9 (4%)	1.7 (3.7%)	0 (0%)
	C	1.3 (2.7%)	1.2 (2.7%)	1.6 (3.5%)	0.2 (0.5%)
	All	1.5 (3.3%)	1.6 (3.3%)	1.5 (3.2%)	0 (-0.1%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.11.13 Feather River at Honcut Creek

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 2D Model Scenarios in the Feather River at Honcut Creek, Year-Round

Alternative 2D and 5A: Feather River at Honcut Creek					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JAN	W	47	47	48	48
	AN	46	46	48	48
	BN	46	46	47	47
	D	45	45	47	47
	C	46	46	48	47
	All	46	46	48	48
FEB	W	49	49	50	50
	AN	49	50	51	51
	BN	50	50	51	51
	D	50	50	52	52
	C	51	51	53	53
	All	50	50	51	51
MAR	W	52	52	53	53
	AN	53	53	53	53
	BN	54	54	56	55
	D	55	55	56	56
	C	55	55	56	56
	All	53	54	55	54
APR	W	56	56	57	57
	AN	59	59	60	60
	BN	60	60	60	60
	D	60	60	61	61
	C	59	59	61	61
	All	58	58	59	59
MAY	W	62	62	64	64
	AN	65	65	65	66
	BN	65	65	66	66
	D	65	65	66	66
	C	65	65	67	67
	All	64	64	65	66
JUN	W	67	67	68	69
	AN	69	69	69	70
	BN	69	69	68	70
	D	70	70	71	71
	C	69	69	71	71
	All	69	69	69	70

Alternative 2D and 5A: Feather River at Honcut Creek					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JUL	W	71	71	72	71
	AN	69	69	70	69
	BN	69	69	71	70
	D	69	69	72	71
	C	71	72	76	75
	All	70	70	72	71
AUG	W	72	71	72	72
	AN	69	68	70	69
	BN	69	69	71	71
	D	68	69	72	71
	C	72	72	74	74
	All	70	70	72	71
SEP	W	66	62	64	65
	AN	66	62	65	66
	BN	67	67	68	67
	D	66	66	67	67
	C	66	66	68	68
	All	66	64	66	67
OCT	W	59	59	60	60
	AN	60	60	61	61
	BN	60	60	61	61
	D	59	59	60	60
	C	60	60	61	61
	All	60	60	61	61
NOV	W	53	53	54	54
	AN	54	54	55	55
	BN	53	53	54	54
	D	53	53	54	54
	C	54	54	55	55
	All	53	53	54	54
DEC	W	47	47	49	49
	AN	47	47	49	49
	BN	46	47	48	48
	D	46	47	48	48
	C	46	46	47	48
	All	47	47	48	48

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at Honcut Creek, Year-Round

Alternative 2D and 5A: Feather River at Honcut Creek					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JAN	W	1.2 (2.5%)	1.2 (2.6%)	1.3 (2.8%)	0.1 (0.1%)
	AN	1.4 (3%)	1.4 (3%)	1.3 (2.7%)	-0.1 (-0.2%)
	BN	1.1 (2.4%)	1.3 (2.8%)	1 (2.3%)	-0.2 (-0.5%)
	D	1.3 (2.8%)	1.3 (3%)	1.3 (2.9%)	0.1 (0.1%)
	C	1.6 (3.4%)	1.7 (3.6%)	1.4 (3.1%)	-0.1 (-0.2%)
	All	1.3 (2.8%)	1.4 (2.9%)	1.3 (2.8%)	0 (-0.1%)
FEB	W	1.2 (2.4%)	1.1 (2.3%)	1.1 (2.3%)	0 (-0.1%)
	AN	1.4 (2.8%)	1.1 (2.3%)	1.4 (2.9%)	-0.2 (-0.4%)
	BN	1.6 (3.3%)	1.5 (3%)	1.7 (3.4%)	0.1 (0.2%)
	D	1.5 (2.9%)	1.4 (2.8%)	1.5 (2.9%)	0 (0.1%)
	C	1.6 (3%)	1.6 (3%)	1.5 (2.9%)	0 (0%)
	All	1.4 (2.8%)	1.3 (2.6%)	1.4 (2.8%)	0 (0%)
MAR	W	0.9 (1.8%)	0.9 (1.8%)	0.9 (1.7%)	0 (0%)
	AN	0.3 (0.6%)	0.2 (0.3%)	0.2 (0.3%)	-0.2 (-0.3%)
	BN	1.6 (3%)	1.2 (2.2%)	1.5 (2.8%)	0.1 (0.2%)
	D	1.2 (2.2%)	1.1 (1.9%)	1.2 (2.2%)	0 (0%)
	C	1.4 (2.5%)	1.3 (2.5%)	1.3 (2.4%)	0.1 (0.1%)
	All	1.1 (2.1%)	1 (1.8%)	1 (1.9%)	0 (0%)
APR	W	0.7 (1.2%)	0.7 (1.3%)	0.7 (1.3%)	0 (0%)
	AN	0.9 (1.5%)	0.9 (1.6%)	0.9 (1.5%)	0 (0%)
	BN	0.6 (1.1%)	0.7 (1.1%)	0.6 (1.1%)	0 (0%)
	D	1.1 (1.8%)	1.1 (1.8%)	1.1 (1.8%)	0.1 (0.2%)
	C	1.1 (1.8%)	1.1 (1.9%)	1.1 (1.8%)	0 (0%)
	All	0.9 (1.5%)	0.9 (1.5%)	0.9 (1.5%)	0 (0%)
MAY	W	1.6 (2.5%)	1.5 (2.5%)	1.6 (2.5%)	0 (0%)
	AN	0.5 (0.8%)	0.5 (0.8%)	1.2 (1.9%)	0 (0%)
	BN	1.1 (1.7%)	1.1 (1.7%)	1.2 (1.9%)	0 (0%)
	D	1.2 (1.8%)	1.2 (1.8%)	1.4 (2.1%)	0 (0%)
	C	1.4 (2.2%)	1.4 (2.2%)	1.4 (2.1%)	0 (0%)
	All	1.2 (1.9%)	1.2 (1.9%)	1.4 (2.2%)	0 (0%)
JUN	W	0.5 (0.7%)	0.5 (0.8%)	1.4 (2.1%)	-0.6 (-0.9%)
	AN	-0.8 (-1.2%)	-0.8 (-1.1%)	0.7 (1.1%)	-0.8 (-1.2%)
	BN	-1.7 (-2.5%)	-1.7 (-2.5%)	0.3 (0.4%)	-0.9 (-1.3%)
	D	0.6 (0.9%)	0.7 (1%)	0.9 (1.3%)	-0.5 (-0.6%)
	C	1.6 (2.4%)	1.6 (2.3%)	1.7 (2.4%)	0.1 (0.2%)
	All	0.1 (0.2%)	0.2 (0.2%)	1.1 (1.5%)	-0.6 (-0.8%)

Alternative 2D and 5A: Feather River at Honcut Creek					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JUL	W	0.9 (1.3%)	1.1 (1.6%)	-0.1 (-0.2%)	-0.4 (-0.5%)
	AN	0.7 (1%)	0.9 (1.3%)	0.3 (0.4%)	-0.4 (-0.5%)
	BN	1.7 (2.5%)	1.8 (2.5%)	0.6 (0.9%)	-0.5 (-0.8%)
	D	3.1 (4.4%)	3 (4.4%)	1.6 (2.4%)	0.1 (0.2%)
	C	4.7 (6.6%)	4.1 (5.7%)	4.1 (5.7%)	1.9 (2.6%)
	All	2.1 (2.9%)	2.1 (2.9%)	1.1 (1.5%)	0 (0.1%)
AUG	W	0.5 (0.8%)	0.9 (1.3%)	0.3 (0.4%)	0.4 (0.6%)
	AN	1.6 (2.4%)	1.8 (2.6%)	0.2 (0.3%)	-0.4 (-0.6%)
	BN	2 (3%)	2.1 (3.1%)	1.3 (1.9%)	-0.1 (-0.1%)
	D	3.9 (5.8%)	3.3 (4.8%)	3.1 (4.5%)	0.7 (1.1%)
	C	1.7 (2.4%)	1.5 (2%)	2.3 (3.2%)	0.1 (0.2%)
	All	1.9 (2.7%)	1.9 (2.6%)	1.4 (2%)	0.2 (0.3%)
SEP	W	-1.9 (-2.9%)	2.1 (3.4%)	-0.7 (-1.1%)	2.4 (3.8%)
	AN	-1 (-1.5%)	2.4 (3.9%)	0.2 (0.3%)	2.7 (4.3%)
	BN	1.1 (1.6%)	1 (1.6%)	0.9 (1.4%)	0.1 (0.1%)
	D	1.5 (2.3%)	1.5 (2.2%)	1.1 (1.7%)	-0.3 (-0.5%)
	C	1.5 (2.3%)	1.7 (2.5%)	1.6 (2.4%)	0 (0%)
	All	0 (0%)	1.8 (2.7%)	0.4 (0.7%)	1.1 (1.6%)
OCT	W	1.2 (2.1%)	1.1 (1.9%)	1.1 (1.9%)	-0.2 (-0.4%)
	AN	0.9 (1.4%)	1 (1.7%)	1.2 (2%)	0.1 (0.1%)
	BN	1.2 (2%)	1 (1.6%)	1 (1.7%)	-0.3 (-0.5%)
	D	1.3 (2.2%)	1.2 (2.1%)	1.2 (2.1%)	-0.1 (-0.2%)
	C	1.5 (2.5%)	1.4 (2.4%)	1.2 (2%)	-0.3 (-0.5%)
	All	1.2 (2.1%)	1.2 (1.9%)	1.2 (1.9%)	-0.2 (-0.3%)
NOV	W	1.2 (2.3%)	1.2 (2.2%)	1.1 (2.1%)	-0.1 (-0.1%)
	AN	1.3 (2.4%)	1.2 (2.3%)	1.5 (2.8%)	0.2 (0.3%)
	BN	1.1 (2.1%)	1.2 (2.3%)	1 (1.8%)	-0.2 (-0.4%)
	D	1.7 (3.2%)	1.7 (3.2%)	1.4 (2.6%)	-0.1 (-0.3%)
	C	1.1 (2.1%)	1.1 (2%)	1 (1.9%)	-0.2 (-0.3%)
	All	1.3 (2.4%)	1.3 (2.4%)	1.2 (2.2%)	-0.1 (-0.2%)
DEC	W	1.3 (2.7%)	1.5 (3.1%)	1.2 (2.5%)	-0.2 (-0.4%)
	AN	1.5 (3.2%)	1.4 (3%)	1.6 (3.3%)	-0.1 (-0.2%)
	BN	1.6 (3.5%)	1.6 (3.4%)	1.6 (3.5%)	0.2 (0.3%)
	D	1.8 (3.9%)	1.8 (3.9%)	1.7 (3.6%)	0 (0%)
	C	1.2 (2.6%)	1.2 (2.7%)	1.5 (3.3%)	0.3 (0.6%)
	All	1.5 (3.2%)	1.5 (3.2%)	1.5 (3.1%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.11.14 Feather River at the Confluence with the Sacramento River

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 2D Model Scenarios in the Feather River at the Confluence with the Sacramento River, Year-Round

Alternative 2D and 5A: Feather River at the Confluence with the Sacramento River					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JAN	W	47	47	47	48
	AN	46	46	47	47
	BN	46	45	46	46
	D	45	45	46	46
	C	45	45	46	46
	All	46	46	47	47
FEB	W	50	50	51	51
	AN	50	50	51	51
	BN	50	50	51	51
	D	50	50	51	51
	C	51	51	52	52
	All	50	50	51	51
MAR	W	53	53	54	54
	AN	54	54	55	55
	BN	55	55	56	56
	D	55	55	56	56
	C	56	56	57	57
	All	55	55	55	55
APR	W	59	59	59	59
	AN	60	60	61	61
	BN	61	61	61	61
	D	62	62	63	63
	C	63	63	64	64
	All	61	61	61	61
MAY	W	65	65	66	66
	AN	66	66	67	68
	BN	67	67	68	68
	D	68	68	69	69
	C	68	68	70	70
	All	66	66	68	68
JUN	W	70	70	71	71
	AN	71	71	72	73
	BN	72	72	71	73
	D	73	73	74	75
	C	72	72	74	74
	All	71	71	72	73

Alternative 2D and 5A: Feather River at the Confluence with the Sacramento River					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JUL	W	74	73	75	75
	AN	72	72	74	73
	BN	73	73	75	74
	D	73	73	76	75
	C	75	75	79	78
	All	73	73	76	75
AUG	W	73	73	75	74
	AN	71	71	73	72
	BN	72	72	74	73
	D	72	72	75	74
	C	75	75	76	77
	All	73	73	75	74
SEP	W	71	67	69	70
	AN	70	67	69	70
	BN	70	70	72	72
	D	70	70	72	72
	C	70	70	72	72
	All	70	69	71	71
OCT	W	61	61	62	62
	AN	62	61	63	63
	BN	61	62	63	63
	D	61	61	62	62
	C	62	62	63	63
	All	61	61	62	62
NOV	W	52	52	53	53
	AN	53	53	54	54
	BN	53	53	54	53
	D	52	52	53	53
	C	53	53	54	54
	All	53	53	54	53
DEC	W	47	47	48	48
	AN	47	47	48	48
	BN	46	46	47	47
	D	46	46	47	47
	C	45	45	46	46
	All	46	46	47	47

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Feather River at the Confluence with the Sacramento River, Year-Round

Alternative 2D and 5A: Feather River at the Confluence with the Sacramento River					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JAN	W	0.9 (1.8%)	0.9 (1.9%)	0.9 (1.9%)	0 (0%)
	AN	0.9 (1.9%)	1 (2.1%)	0.8 (1.8%)	0 (-0.1%)
	BN	0.7 (1.6%)	0.9 (1.9%)	0.7 (1.6%)	-0.1 (-0.2%)
	D	0.9 (2%)	1 (2.1%)	0.9 (2%)	0 (0%)
	C	1 (2.3%)	1.1 (2.4%)	0.9 (2.1%)	-0.1 (-0.1%)
	All	0.9 (1.9%)	0.9 (2.1%)	0.9 (1.9%)	0 (-0.1%)
FEB	W	0.9 (1.8%)	0.9 (1.8%)	0.9 (1.8%)	0 (0%)
	AN	1 (2%)	0.9 (1.7%)	1 (1.9%)	0 (0%)
	BN	0.9 (1.8%)	0.9 (1.8%)	0.9 (1.8%)	0 (0%)
	D	1 (1.9%)	1 (1.9%)	1 (2%)	0 (0.1%)
	C	1 (2%)	1 (2%)	1 (2%)	0 (0%)
	All	1 (1.9%)	0.9 (1.8%)	0.9 (1.9%)	0 (0%)
MAR	W	0.7 (1.3%)	0.7 (1.2%)	0.7 (1.3%)	0 (0%)
	AN	0.4 (0.7%)	0.3 (0.6%)	0.4 (0.7%)	-0.1 (-0.1%)
	BN	0.8 (1.4%)	0.6 (1.2%)	0.8 (1.4%)	0 (0.1%)
	D	0.8 (1.4%)	0.7 (1.3%)	0.8 (1.4%)	0 (0%)
	C	1 (1.7%)	0.9 (1.6%)	0.9 (1.7%)	0 (0%)
	All	0.7 (1.3%)	0.7 (1.2%)	0.7 (1.3%)	0 (0%)
APR	W	0.6 (1%)	0.6 (1%)	0.6 (1%)	0 (0%)
	AN	0.8 (1.3%)	0.8 (1.3%)	0.8 (1.3%)	0 (0%)
	BN	0.6 (1%)	0.6 (1%)	0.6 (1.1%)	0 (0%)
	D	0.8 (1.3%)	0.8 (1.3%)	0.9 (1.4%)	0 (0.1%)
	C	0.9 (1.4%)	0.9 (1.4%)	0.9 (1.5%)	-0.1 (-0.1%)
	All	0.7 (1.2%)	0.7 (1.2%)	0.7 (1.2%)	0 (0%)
MAY	W	1.4 (2.1%)	1.4 (2.1%)	1.4 (2.1%)	0 (0%)
	AN	1.1 (1.7%)	1.1 (1.7%)	1.5 (2.2%)	0 (0%)
	BN	1.2 (1.9%)	1.2 (1.9%)	1.3 (2%)	0 (0%)
	D	1.5 (2.2%)	1.5 (2.2%)	1.6 (2.4%)	0 (0%)
	C	1.6 (2.4%)	1.6 (2.3%)	1.6 (2.3%)	0 (0%)
	All	1.4 (2.1%)	1.4 (2.1%)	1.5 (2.2%)	0 (0%)
JUN	W	1.1 (1.6%)	1.1 (1.6%)	1.6 (2.3%)	-0.4 (-0.5%)
	AN	0.3 (0.4%)	0.3 (0.5%)	1.3 (1.9%)	-0.6 (-0.8%)
	BN	-0.2 (-0.3%)	-0.2 (-0.3%)	1.2 (1.7%)	-0.6 (-0.8%)
	D	1.3 (1.7%)	1.4 (1.9%)	1.5 (2%)	-0.3 (-0.5%)
	C	1.8 (2.5%)	1.8 (2.6%)	1.8 (2.5%)	0.1 (0.1%)
	All	0.9 (1.3%)	0.9 (1.3%)	1.5 (2.1%)	-0.4 (-0.5%)

Alternative 2D and 5A: Feather River at the Confluence with the Sacramento River					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JUL	W	1.9 (2.6%)	2 (2.7%)	1.1 (1.4%)	-0.2 (-0.3%)
	AN	1.3 (1.8%)	1.5 (2%)	0.9 (1.3%)	-0.3 (-0.4%)
	BN	2 (2.7%)	2 (2.8%)	1.1 (1.6%)	-0.5 (-0.6%)
	D	3 (4.1%)	3 (4.1%)	1.8 (2.5%)	0 (0.1%)
	C	4.2 (5.6%)	3.8 (5%)	3.7 (4.9%)	1.3 (1.8%)
	All	2.4 (3.3%)	2.4 (3.3%)	1.6 (2.2%)	0 (0%)
AUG	W	1.7 (2.3%)	2 (2.7%)	1.3 (1.8%)	0.2 (0.3%)
	AN	1.7 (2.5%)	1.8 (2.6%)	0.8 (1.1%)	-0.4 (-0.5%)
	BN	2.1 (2.9%)	2.1 (2.9%)	1.4 (2%)	-0.2 (-0.3%)
	D	3.5 (4.9%)	3 (4.2%)	2.9 (4%)	0.4 (0.6%)
	C	1.8 (2.4%)	1.8 (2.4%)	2.3 (3%)	0.1 (0.1%)
	All	2.2 (3%)	2.2 (3%)	1.7 (2.4%)	0.1 (0.1%)
SEP	W	-1.5 (-2.2%)	2.3 (3.5%)	-0.6 (-0.8%)	2.1 (3%)
	AN	-0.6 (-0.9%)	2.4 (3.6%)	0.5 (0.7%)	2.4 (3.5%)
	BN	1.9 (2.6%)	2 (2.8%)	2.1 (3%)	1.2 (1.7%)
	D	2.3 (3.2%)	2 (2.8%)	2.4 (3.4%)	0.3 (0.3%)
	C	1.3 (1.9%)	1.4 (2%)	1.4 (1.9%)	-0.2 (-0.3%)
	All	0.4 (0.6%)	2.1 (3%)	1 (1.4%)	1.2 (1.7%)
OCT	W	1.2 (2%)	1.1 (1.8%)	1.1 (1.9%)	-0.2 (-0.3%)
	AN	0.9 (1.4%)	1.1 (1.7%)	0.9 (1.5%)	-0.1 (-0.1%)
	BN	1.2 (1.9%)	1 (1.6%)	1.2 (2%)	-0.1 (-0.1%)
	D	1 (1.7%)	1 (1.6%)	1.1 (1.8%)	-0.1 (-0.1%)
	C	1.5 (2.4%)	1.4 (2.3%)	1.3 (2.1%)	-0.2 (-0.3%)
	All	1.2 (1.9%)	1.1 (1.8%)	1.1 (1.8%)	-0.1 (-0.2%)
NOV	W	0.9 (1.7%)	0.9 (1.7%)	0.9 (1.6%)	0 (0%)
	AN	1 (2%)	1 (1.9%)	1.1 (2%)	0.1 (0.1%)
	BN	1 (1.9%)	1 (1.9%)	0.9 (1.8%)	0 (-0.1%)
	D	1.1 (2%)	1.1 (2.1%)	1 (1.8%)	0 (0%)
	C	1 (1.8%)	1 (1.8%)	1 (1.8%)	0 (0.1%)
	All	1 (1.9%)	1 (1.9%)	0.9 (1.8%)	0 (0%)
DEC	W	0.7 (1.5%)	0.9 (1.9%)	0.7 (1.6%)	-0.1 (-0.2%)
	AN	1.1 (2.3%)	1 (2.1%)	1.1 (2.3%)	-0.1 (-0.2%)
	BN	1.1 (2.4%)	1.1 (2.3%)	1.2 (2.6%)	0.1 (0.3%)
	D	1.1 (2.4%)	1.1 (2.5%)	1 (2.3%)	0.3 (0.6%)
	C	1.1 (2.4%)	1.1 (2.5%)	1.3 (2.8%)	0.6 (1.3%)
	All	1 (2.1%)	1 (2.2%)	1 (2.2%)	0.1 (0.3%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.11.15 American River below Nimbus Dam

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 2D Model Scenarios in the American River below Nimbus Dam, Year-Round

Alternative 2D and 5A: American River below Nimbus Dam					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JAN	W	47	47	48	48
	AN	47	47	48	48
	BN	46	46	48	48
	D	47	46	48	48
	C	47	47	48	48
	All	47	47	48	48
FEB	W	48	48	50	50
	AN	48	48	50	50
	BN	47	47	49	49
	D	49	49	50	50
	C	51	50	52	52
	All	48	48	50	50
MAR	W	52	52	53	53
	AN	53	53	54	54
	BN	53	53	54	54
	D	53	53	55	55
	C	55	55	56	56
	All	53	53	54	54
APR	W	56	56	57	57
	AN	57	57	58	58
	BN	57	58	59	59
	D	59	59	60	60
	C	59	59	61	61
	All	58	57	59	59
MAY	W	60	60	62	62
	AN	61	61	63	63
	BN	61	61	63	63
	D	64	64	66	66
	C	64	65	66	66
	All	62	62	64	64
JUN	W	64	64	65	65
	AN	65	66	67	67
	BN	65	66	66	67
	D	67	68	68	68
	C	68	69	71	71
	All	66	66	67	67

Alternative 2D and 5A: American River below Nimbus Dam					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JUL	W	66	67	68	68
	AN	66	67	67	66
	BN	66	66	67	67
	D	67	67	68	68
	C	70	71	72	72
	All	67	68	68	68
AUG	W	67	67	69	69
	AN	67	68	69	69
	BN	67	68	69	69
	D	67	68	70	70
	C	70	71	74	73
	All	67	68	70	70
SEP	W	65	65	66	66
	AN	66	66	67	66
	BN	66	67	68	67
	D	66	67	68	68
	C	68	68	71	71
	All	66	66	68	67
OCT	W	58	59	63	63
	AN	59	60	63	64
	BN	58	59	63	62
	D	59	60	64	64
	C	61	62	64	65
	All	59	60	63	64
NOV	W	57	57	59	59
	AN	57	57	59	59
	BN	56	57	59	59
	D	57	57	59	59
	C	58	58	60	60
	All	57	57	59	59
DEC	W	50	50	51	51
	AN	51	50	52	52
	BN	50	50	51	51
	D	50	50	51	51
	C	50	50	51	51
	All	50	50	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River below Nimbus Dam, Year-Round

Alternative 2D and 5A: American River below Nimbus Dam					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JAN	W	1.4 (3%)	1.4 (3.1%)	1.4 (3%)	0 (0%)
	AN	1.3 (2.7%)	1.4 (2.9%)	1.2 (2.7%)	0 (0%)
	BN	1.4 (3%)	1.5 (3.2%)	1.4 (3%)	0 (-0.1%)
	D	1.2 (2.7%)	1.4 (2.9%)	1.3 (2.7%)	0 (0%)
	C	1.4 (2.9%)	1.4 (3.1%)	1.2 (2.6%)	-0.1 (-0.2%)
	All	1.3 (2.9%)	1.4 (3.1%)	1.3 (2.8%)	0 (0%)
FEB	W	1.7 (3.4%)	1.6 (3.3%)	1.6 (3.4%)	0 (0%)
	AN	1.8 (3.8%)	1.6 (3.3%)	1.8 (3.8%)	0 (-0.1%)
	BN	1.7 (3.5%)	1.6 (3.4%)	1.7 (3.5%)	0 (-0.1%)
	D	1.7 (3.5%)	1.5 (3.1%)	1.6 (3.4%)	0 (0%)
	C	1.4 (2.7%)	1.6 (3.3%)	1.4 (2.8%)	0.1 (0.2%)
	All	1.6 (3.4%)	1.6 (3.3%)	1.6 (3.4%)	0 (0%)
MAR	W	1.4 (2.7%)	1.4 (2.6%)	1.4 (2.7%)	0 (0%)
	AN	1.4 (2.7%)	1.3 (2.4%)	1.4 (2.7%)	0 (0.1%)
	BN	1.3 (2.4%)	1.3 (2.5%)	1.1 (2.1%)	-0.2 (-0.3%)
	D	1.6 (2.9%)	1.5 (2.8%)	1.6 (3.1%)	0 (0%)
	C	1.3 (2.4%)	1.4 (2.6%)	1.3 (2.3%)	-0.1 (-0.3%)
	All	1.4 (2.7%)	1.4 (2.6%)	1.4 (2.6%)	0 (-0.1%)
APR	W	1.2 (2.2%)	1.2 (2.2%)	1.2 (2.2%)	0 (0%)
	AN	1.3 (2.3%)	1.3 (2.3%)	1.3 (2.3%)	0 (0%)
	BN	1.3 (2.2%)	1.2 (2.1%)	1.4 (2.4%)	0 (0%)
	D	0.8 (1.3%)	1.3 (2.3%)	0.8 (1.4%)	0.1 (0.1%)
	C	1.3 (2.1%)	1.4 (2.3%)	1.6 (2.6%)	0 (0%)
	All	1.2 (2%)	1.3 (2.3%)	1.2 (2.1%)	0 (0%)
MAY	W	2.1 (3.5%)	2 (3.3%)	2.1 (3.5%)	0 (0%)
	AN	2.4 (3.9%)	2.3 (3.7%)	2.5 (4%)	0 (-0.1%)
	BN	2 (3.2%)	1.9 (3.1%)	2 (3.3%)	-0.1 (-0.2%)
	D	1.9 (3%)	1.9 (2.9%)	2 (3.1%)	0.3 (0.4%)
	C	2 (3.2%)	1.8 (2.8%)	1.7 (2.6%)	-0.1 (-0.2%)
	All	2.1 (3.3%)	1.9 (3.2%)	2 (3.3%)	0 (0%)
JUN	W	1.7 (2.7%)	1.5 (2.4%)	1.8 (2.8%)	-0.1 (-0.2%)
	AN	1.4 (2.2%)	1.2 (1.8%)	1.7 (2.6%)	-0.4 (-0.6%)
	BN	1.1 (1.7%)	0.7 (1%)	1.8 (2.7%)	-0.4 (-0.5%)
	D	0.6 (0.9%)	-0.2 (-0.3%)	0.8 (1.2%)	-0.6 (-0.9%)
	C	2.9 (4.3%)	2 (2.9%)	2.8 (4.1%)	0.2 (0.2%)
	All	1.5 (2.3%)	1 (1.6%)	1.7 (2.6%)	-0.3 (-0.4%)

Alternative 2D and 5A: American River below Nimbus Dam					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JUL	W	1.1 (1.7%)	0.5 (0.7%)	1.2 (1.8%)	-0.4 (-0.6%)
	AN	0.7 (1.1%)	0.2 (0.3%)	0.3 (0.5%)	-0.3 (-0.4%)
	BN	0.8 (1.2%)	0.4 (0.6%)	1.2 (1.8%)	0.3 (0.4%)
	D	1.6 (2.4%)	0.9 (1.3%)	1.1 (1.6%)	-0.3 (-0.5%)
	C	2.3 (3.3%)	1 (1.4%)	2.3 (3.3%)	-0.1 (-0.2%)
	All	1.3 (2%)	0.6 (0.9%)	1.2 (1.8%)	-0.2 (-0.3%)
AUG	W	2.1 (3.1%)	1.3 (1.9%)	2 (3%)	0.2 (0.3%)
	AN	1.6 (2.3%)	1 (1.5%)	1.7 (2.5%)	0.2 (0.3%)
	BN	1.7 (2.5%)	0.9 (1.3%)	1.9 (2.8%)	0.3 (0.5%)
	D	3.3 (4.9%)	2.3 (3.4%)	3.2 (4.7%)	0.9 (1.3%)
	C	4 (5.8%)	3.6 (5.1%)	3.2 (4.6%)	-0.6 (-0.8%)
	All	2.5 (3.7%)	1.7 (2.6%)	2.4 (3.5%)	0.3 (0.4%)
SEP	W	1.1 (1.7%)	0.9 (1.3%)	1.1 (1.7%)	0.3 (0.5%)
	AN	1 (1.5%)	0.9 (1.3%)	0.7 (1%)	0.2 (0.3%)
	BN	1.7 (2.5%)	1.1 (1.6%)	1.3 (2%)	0.5 (0.8%)
	D	1.8 (2.8%)	1.2 (1.9%)	1.6 (2.4%)	0.2 (0.4%)
	C	2.3 (3.4%)	2.3 (3.4%)	2.4 (3.5%)	0.1 (0.1%)
	All	1.5 (2.3%)	1.2 (1.8%)	1.4 (2.1%)	0.3 (0.4%)
OCT	W	4.9 (8.3%)	3.8 (6.3%)	5 (8.5%)	0.3 (0.5%)
	AN	4.1 (7%)	3.6 (6%)	4.4 (7.5%)	0.3 (0.5%)
	BN	4.3 (7.3%)	3.7 (6.2%)	4 (6.8%)	-0.1 (-0.1%)
	D	4.5 (7.6%)	3.8 (6.3%)	4.6 (7.8%)	0 (-0.1%)
	C	3.7 (6%)	2.7 (4.4%)	3.9 (6.4%)	0.2 (0.3%)
	All	4.4 (7.5%)	3.6 (6%)	4.5 (7.6%)	0.1 (0.2%)
NOV	W	1.8 (3.2%)	1.4 (2.5%)	1.9 (3.4%)	-0.1 (-0.2%)
	AN	1.9 (3.4%)	1.6 (2.8%)	1.9 (3.3%)	-0.1 (-0.1%)
	BN	2.5 (4.4%)	1.9 (3.3%)	2.6 (4.7%)	-0.1 (-0.2%)
	D	2.1 (3.6%)	1.6 (2.8%)	2 (3.6%)	-0.1 (-0.2%)
	C	2 (3.4%)	1.7 (2.9%)	1.9 (3.2%)	-0.1 (-0.1%)
	All	2 (3.6%)	1.6 (2.8%)	2.1 (3.6%)	-0.1 (-0.2%)
DEC	W	0.9 (1.9%)	1.2 (2.4%)	1 (2%)	0.1 (0.1%)
	AN	1.1 (2.1%)	1.2 (2.4%)	1 (2%)	0 (0%)
	BN	1.1 (2.3%)	1.3 (2.5%)	1.2 (2.4%)	0 (0%)
	D	1 (2.1%)	1.2 (2.4%)	1 (2.1%)	-0.1 (-0.2%)
	C	1.1 (2.2%)	1.2 (2.5%)	1 (2.1%)	0 (0%)
	All	1 (2.1%)	1.2 (2.4%)	1 (2.1%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.11.16 American River at Watt Avenue

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 2D Model Scenarios in the American River at Watt Avenue, Year-Round

Alternative 2D and 5A: American River at Watt Avenue					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JAN	W	47	47	48	48
	AN	47	47	48	48
	BN	46	46	47	47
	D	46	46	47	47
	C	46	46	48	48
	All	46	46	48	48
FEB	W	48	48	50	50
	AN	48	48	50	50
	BN	48	48	49	49
	D	49	49	51	51
	C	51	51	53	53
	All	49	49	50	50
MAR	W	53	53	54	54
	AN	53	53	54	54
	BN	54	54	55	55
	D	54	54	56	56
	C	56	56	57	57
	All	54	54	55	55
APR	W	56	56	58	58
	AN	58	58	59	59
	BN	58	58	60	60
	D	60	60	61	61
	C	61	61	62	62
	All	58	58	60	60
MAY	W	61	61	63	63
	AN	62	62	65	65
	BN	62	63	64	64
	D	65	65	67	67
	C	66	66	68	67
	All	63	63	65	65
JUN	W	65	65	67	67
	AN	67	67	68	69
	BN	67	67	68	68
	D	69	69	69	70
	C	69	70	72	72
	All	67	67	68	69

Alternative 2D and 5A: American River at Watt Avenue					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JUL	W	68	68	69	69
	AN	67	68	68	68
	BN	67	68	68	69
	D	68	69	70	70
	C	72	73	74	74
	All	68	69	70	70
AUG	W	68	69	71	70
	AN	69	69	71	71
	BN	69	70	71	71
	D	69	70	72	72
	C	71	72	75	74
	All	69	70	72	72
SEP	W	66	66	67	67
	AN	66	66	68	67
	BN	67	68	69	69
	D	67	68	69	69
	C	69	69	71	71
	All	67	67	69	68
OCT	W	59	60	63	63
	AN	60	60	63	64
	BN	59	60	63	63
	D	60	60	63	63
	C	61	62	64	65
	All	60	60	63	63
NOV	W	56	57	58	58
	AN	56	57	58	58
	BN	56	56	58	58
	D	56	56	58	58
	C	57	57	59	59
	All	56	57	58	58
DEC	W	50	49	51	51
	AN	50	50	51	51
	BN	49	49	50	50
	D	49	49	50	50
	C	49	48	50	50
	All	49	49	50	50

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River at Watt Avenue, Year-Round

Alternative 2D and 5A: American River at Watt Avenue					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JAN	W	1.4 (3%)	1.4 (3.1%)	1.4 (3%)	0 (0%)
	AN	1.3 (2.7%)	1.3 (2.9%)	1.2 (2.7%)	0 (0%)
	BN	1.4 (3%)	1.5 (3.2%)	1.3 (2.9%)	0 (-0.1%)
	D	1.2 (2.6%)	1.3 (2.8%)	1.2 (2.6%)	0 (0%)
	C	1.4 (2.9%)	1.4 (3.1%)	1.2 (2.6%)	-0.1 (-0.2%)
	All	1.3 (2.8%)	1.4 (3%)	1.3 (2.8%)	0 (0%)
FEB	W	1.6 (3.4%)	1.6 (3.3%)	1.6 (3.4%)	0 (0%)
	AN	1.8 (3.7%)	1.6 (3.2%)	1.8 (3.7%)	0 (-0.1%)
	BN	1.6 (3.4%)	1.6 (3.3%)	1.6 (3.4%)	-0.1 (-0.1%)
	D	1.6 (3.3%)	1.5 (3%)	1.6 (3.2%)	0 (0%)
	C	1.4 (2.8%)	1.6 (3.1%)	1.5 (2.9%)	0 (0.1%)
	All	1.6 (3.3%)	1.6 (3.2%)	1.6 (3.3%)	0 (0%)
MAR	W	1.4 (2.6%)	1.3 (2.5%)	1.4 (2.6%)	0 (0%)
	AN	1.4 (2.6%)	1.2 (2.3%)	1.4 (2.6%)	0 (0.1%)
	BN	1.2 (2.2%)	1.2 (2.2%)	1 (1.9%)	-0.1 (-0.3%)
	D	1.4 (2.6%)	1.3 (2.5%)	1.5 (2.8%)	0 (0%)
	C	1.2 (2.2%)	1.3 (2.3%)	1.2 (2.1%)	-0.1 (-0.2%)
	All	1.3 (2.5%)	1.3 (2.4%)	1.3 (2.5%)	0 (-0.1%)
APR	W	1.2 (2.2%)	1.2 (2.1%)	1.2 (2.2%)	0 (0%)
	AN	1.3 (2.3%)	1.3 (2.2%)	1.3 (2.3%)	0 (0%)
	BN	1.2 (2.1%)	1.1 (1.9%)	1.3 (2.2%)	0 (0%)
	D	0.9 (1.5%)	1.3 (2.1%)	0.9 (1.6%)	0 (0.1%)
	C	1.1 (1.9%)	1.2 (2%)	1.3 (2.1%)	-0.1 (-0.2%)
	All	1.2 (2%)	1.2 (2.1%)	1.2 (2%)	0 (0%)
MAY	W	2.1 (3.5%)	2 (3.3%)	2.1 (3.5%)	0 (0%)
	AN	2.5 (4%)	2.3 (3.7%)	2.6 (4.2%)	0 (-0.1%)
	BN	1.9 (3.1%)	1.8 (2.9%)	2 (3.3%)	-0.2 (-0.3%)
	D	1.9 (3%)	1.8 (2.8%)	2 (3%)	0.1 (0.2%)
	C	2 (3.1%)	1.9 (2.9%)	1.6 (2.4%)	-0.1 (-0.1%)
	All	2.1 (3.3%)	2 (3.1%)	2.1 (3.3%)	0 (0%)
JUN	W	1.9 (2.9%)	1.7 (2.6%)	2 (3%)	-0.2 (-0.3%)
	AN	1.3 (1.9%)	1.1 (1.7%)	1.6 (2.5%)	-0.5 (-0.7%)
	BN	1.1 (1.6%)	0.6 (0.9%)	1.6 (2.4%)	-0.6 (-0.8%)
	D	0.6 (0.8%)	0 (0%)	0.8 (1.2%)	-0.7 (-1%)
	C	2.5 (3.6%)	1.9 (2.8%)	2.5 (3.6%)	0 (0%)
	All	1.5 (2.2%)	1.1 (1.6%)	1.7 (2.5%)	-0.4 (-0.5%)

Alternative 2D and 5A: American River at Watt Avenue					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JUL	W	1.4 (2.1%)	0.8 (1.1%)	1.4 (2.1%)	-0.5 (-0.7%)
	AN	0.9 (1.4%)	0.4 (0.6%)	0.5 (0.7%)	-0.4 (-0.5%)
	BN	1 (1.5%)	0.7 (1%)	1.5 (2.2%)	0.4 (0.5%)
	D	1.8 (2.7%)	1.2 (1.7%)	1.3 (1.9%)	-0.5 (-0.7%)
	C	1.8 (2.6%)	0.8 (1.1%)	1.9 (2.7%)	-0.2 (-0.3%)
	All	1.4 (2.1%)	0.8 (1.2%)	1.3 (2%)	-0.3 (-0.4%)
AUG	W	2.6 (3.8%)	1.8 (2.7%)	2.5 (3.6%)	0.2 (0.2%)
	AN	1.9 (2.7%)	1.5 (2.1%)	1.9 (2.8%)	0.2 (0.3%)
	BN	2 (2.9%)	1.3 (1.9%)	2.2 (3.1%)	0.4 (0.5%)
	D	3.6 (5.2%)	2.7 (3.9%)	3.6 (5.2%)	0.9 (1.2%)
	C	3.5 (4.8%)	3 (4.2%)	3 (4.1%)	-0.3 (-0.3%)
	All	2.7 (4%)	2.1 (3%)	2.7 (3.9%)	0.3 (0.4%)
SEP	W	1.4 (2.1%)	1.2 (1.8%)	1.3 (2%)	0.4 (0.6%)
	AN	1.3 (2%)	1.4 (2.1%)	1.1 (1.6%)	0.3 (0.4%)
	BN	2.1 (3.1%)	1.5 (2.2%)	1.8 (2.7%)	0.6 (0.8%)
	D	1.9 (2.8%)	1.4 (2%)	1.8 (2.6%)	0.1 (0.2%)
	C	2 (3%)	2 (2.9%)	2.1 (3%)	0.1 (0.1%)
	All	1.7 (2.5%)	1.4 (2.1%)	1.6 (2.4%)	0.3 (0.4%)
OCT	W	4 (6.7%)	3.1 (5.2%)	4.1 (6.9%)	0.2 (0.4%)
	AN	3.5 (5.8%)	3 (4.9%)	3.7 (6.2%)	0.2 (0.3%)
	BN	3.6 (6.1%)	3.1 (5.2%)	3.4 (5.7%)	0 (-0.1%)
	D	3.6 (6%)	3.1 (5.1%)	3.7 (6.1%)	0 (0%)
	C	3 (5%)	2.3 (3.8%)	3.2 (5.2%)	0.2 (0.2%)
	All	3.6 (6.1%)	3 (4.9%)	3.7 (6.2%)	0.1 (0.2%)
NOV	W	1.6 (2.8%)	1.2 (2.2%)	1.7 (3%)	-0.2 (-0.4%)
	AN	1.8 (3.1%)	1.5 (2.6%)	1.7 (3.1%)	-0.1 (-0.2%)
	BN	2.1 (3.9%)	1.6 (2.8%)	2.3 (4.2%)	-0.1 (-0.2%)
	D	1.8 (3.1%)	1.4 (2.5%)	1.7 (3.1%)	-0.2 (-0.3%)
	C	1.8 (3.2%)	1.6 (2.8%)	1.7 (3%)	-0.1 (-0.1%)
	All	1.8 (3.2%)	1.4 (2.5%)	1.8 (3.2%)	-0.2 (-0.3%)
DEC	W	0.9 (1.7%)	1.2 (2.3%)	1 (1.9%)	0.1 (0.1%)
	AN	1 (1.9%)	1.1 (2.3%)	0.9 (1.8%)	0 (-0.1%)
	BN	1.1 (2.3%)	1.2 (2.6%)	1.1 (2.3%)	0 (0%)
	D	0.9 (1.9%)	1.1 (2.2%)	0.9 (1.9%)	-0.1 (-0.2%)
	C	1 (2.1%)	1.2 (2.5%)	1 (2%)	0 (0.1%)
	All	1 (2%)	1.2 (2.4%)	1 (2%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.11.17 American River at the Confluence with the Sacramento River

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 2D Model Scenarios in the American River at the Confluence with the Sacramento River, Year-Round

Alternative 2D and 5A: American River at the Confluence with the Sacramento River					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JAN	W	47	46	48	48
	AN	46	46	48	48
	BN	46	45	47	47
	D	46	46	47	47
	C	46	46	48	47
	All	46	46	47	47
FEB	W	48	48	50	50
	AN	48	49	50	50
	BN	48	48	49	49
	D	49	50	51	51
	C	51	51	53	53
	All	49	49	51	51
MAR	W	53	53	54	54
	AN	53	53	55	55
	BN	54	54	55	55
	D	55	55	56	56
	C	56	56	57	57
	All	54	54	55	55
APR	W	57	57	58	58
	AN	58	58	60	60
	BN	59	59	60	60
	D	61	60	62	62
	C	62	62	63	63
	All	59	59	60	60
MAY	W	61	61	63	63
	AN	63	63	66	66
	BN	63	63	65	65
	D	66	66	68	68
	C	67	67	69	68
	All	64	64	66	66
JUN	W	65	66	67	67
	AN	68	68	69	69
	BN	68	68	69	69
	D	70	70	70	70
	C	70	70	72	72
	All	68	68	69	69

Alternative 2D and 5A: American River at the Confluence with the Sacramento River					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JUL	W	69	69	70	70
	AN	68	69	69	69
	BN	68	68	69	70
	D	69	70	71	71
	C	73	73	74	74
	All	69	70	71	71
AUG	W	69	69	72	71
	AN	69	70	71	71
	BN	70	70	72	72
	D	69	70	73	73
	C	72	72	75	75
	All	70	70	73	72
SEP	W	66	66	68	68
	AN	67	67	68	68
	BN	67	68	70	69
	D	68	68	70	70
	C	69	69	71	71
	All	67	68	69	69
OCT	W	60	60	63	63
	AN	60	61	63	64
	BN	60	60	63	63
	D	60	61	63	63
	C	62	62	65	65
	All	60	61	63	64
NOV	W	56	56	58	58
	AN	56	56	58	58
	BN	55	56	57	57
	D	56	56	57	57
	C	57	57	58	58
	All	56	56	58	58
DEC	W	49	49	50	50
	AN	49	49	50	50
	BN	48	48	49	49
	D	49	48	49	49
	C	48	48	49	49
	All	49	49	50	50

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the American River at the Confluence with the Sacramento River, Year-Round

Alternative 2D and 5A: American River at the Confluence with the Sacramento River					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JAN	W	1.4 (3%)	1.5 (3.1%)	1.4 (3%)	0 (0%)
	AN	1.3 (2.8%)	1.4 (3%)	1.3 (2.8%)	0 (0%)
	BN	1.3 (2.8%)	1.4 (3.1%)	1.3 (2.9%)	-0.1 (-0.1%)
	D	1.1 (2.4%)	1.2 (2.7%)	1.1 (2.5%)	0 (0%)
	C	1.4 (3%)	1.5 (3.1%)	1.2 (2.7%)	-0.1 (-0.2%)
	All	1.3 (2.8%)	1.4 (3%)	1.3 (2.8%)	0 (-0.1%)
FEB	W	1.6 (3.4%)	1.6 (3.3%)	1.6 (3.4%)	0 (0%)
	AN	1.8 (3.7%)	1.6 (3.2%)	1.8 (3.7%)	0 (-0.1%)
	BN	1.6 (3.3%)	1.5 (3.2%)	1.6 (3.3%)	0 (-0.1%)
	D	1.6 (3.2%)	1.5 (2.9%)	1.6 (3.2%)	0 (0%)
	C	1.4 (2.7%)	1.5 (3%)	1.5 (2.8%)	0 (0%)
	All	1.6 (3.3%)	1.5 (3.1%)	1.6 (3.3%)	0 (0%)
MAR	W	1.3 (2.5%)	1.3 (2.4%)	1.3 (2.5%)	0 (0%)
	AN	1.3 (2.5%)	1.2 (2.2%)	1.3 (2.5%)	0 (0.1%)
	BN	1.1 (2.1%)	1.1 (2%)	1 (1.9%)	-0.1 (-0.2%)
	D	1.4 (2.5%)	1.3 (2.3%)	1.5 (2.8%)	0 (0%)
	C	1.2 (2.1%)	1.2 (2.1%)	1.1 (1.9%)	-0.1 (-0.2%)
	All	1.3 (2.4%)	1.2 (2.2%)	1.3 (2.4%)	0 (-0.1%)
APR	W	1.2 (2.1%)	1.2 (2.1%)	1.2 (2.1%)	0 (0%)
	AN	1.3 (2.2%)	1.3 (2.2%)	1.3 (2.2%)	0 (0%)
	BN	1.2 (2%)	1.1 (1.8%)	1.3 (2.2%)	0 (0%)
	D	0.9 (1.6%)	1.2 (2%)	1 (1.7%)	0 (0%)
	C	1 (1.7%)	1.1 (1.8%)	1.2 (1.9%)	-0.2 (-0.3%)
	All	1.1 (1.9%)	1.2 (2%)	1.2 (2%)	0 (0%)
MAY	W	2.2 (3.6%)	2.1 (3.4%)	2.2 (3.6%)	0 (0%)
	AN	2.5 (4%)	2.3 (3.7%)	2.7 (4.2%)	0 (-0.1%)
	BN	1.9 (3%)	1.8 (2.9%)	2 (3.2%)	-0.2 (-0.3%)
	D	1.9 (2.9%)	1.8 (2.8%)	2 (3%)	0.1 (0.1%)
	C	2 (3%)	1.9 (2.8%)	1.5 (2.3%)	-0.1 (-0.1%)
	All	2.1 (3.3%)	2 (3.1%)	2.1 (3.3%)	0 (-0.1%)
JUN	W	2 (3.1%)	1.8 (2.7%)	2.1 (3.2%)	-0.2 (-0.3%)
	AN	1.2 (1.8%)	1.1 (1.6%)	1.6 (2.4%)	-0.5 (-0.7%)
	BN	1.1 (1.6%)	0.6 (0.9%)	1.6 (2.3%)	-0.6 (-0.9%)
	D	0.6 (0.8%)	0.1 (0.1%)	0.8 (1.2%)	-0.7 (-1%)
	C	2.4 (3.4%)	1.9 (2.7%)	2.4 (3.4%)	0 (0%)
	All	1.5 (2.2%)	1.1 (1.7%)	1.7 (2.5%)	-0.4 (-0.6%)

Alternative 2D and 5A: American River at the Confluence with the Sacramento River					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JUL	W	1.5 (2.2%)	0.9 (1.3%)	1.5 (2.2%)	-0.5 (-0.7%)
	AN	1 (1.5%)	0.5 (0.8%)	0.5 (0.8%)	-0.4 (-0.6%)
	BN	1.2 (1.7%)	0.9 (1.3%)	1.7 (2.4%)	0.4 (0.6%)
	D	1.9 (2.8%)	1.3 (1.8%)	1.4 (2%)	-0.5 (-0.7%)
	C	1.7 (2.4%)	0.8 (1.1%)	1.8 (2.5%)	-0.3 (-0.3%)
	All	1.5 (2.2%)	0.9 (1.3%)	1.4 (2.1%)	-0.3 (-0.4%)
AUG	W	2.8 (4.1%)	2.1 (3%)	2.7 (3.9%)	0.1 (0.2%)
	AN	2 (2.9%)	1.7 (2.4%)	2.1 (3%)	0.3 (0.4%)
	BN	2.1 (3.1%)	1.6 (2.2%)	2.3 (3.3%)	0.3 (0.5%)
	D	3.7 (5.3%)	2.8 (4%)	3.7 (5.3%)	0.9 (1.2%)
	C	3.2 (4.4%)	2.8 (3.8%)	2.9 (4%)	-0.1 (-0.2%)
	All	2.8 (4.1%)	2.2 (3.2%)	2.8 (4%)	0.3 (0.4%)
SEP	W	1.5 (2.3%)	1.4 (2.1%)	1.4 (2.2%)	0.5 (0.7%)
	AN	1.5 (2.3%)	1.6 (2.4%)	1.3 (1.9%)	0.3 (0.4%)
	BN	2.3 (3.4%)	1.7 (2.5%)	2 (3%)	0.6 (0.9%)
	D	1.9 (2.9%)	1.4 (2.1%)	1.8 (2.7%)	0.1 (0.1%)
	C	1.9 (2.7%)	1.9 (2.7%)	1.9 (2.8%)	0 (0%)
	All	1.8 (2.7%)	1.5 (2.3%)	1.7 (2.5%)	0.3 (0.5%)
OCT	W	3.5 (5.9%)	2.8 (4.6%)	3.6 (6.1%)	0.2 (0.3%)
	AN	3.2 (5.2%)	2.7 (4.4%)	3.4 (5.6%)	0.1 (0.2%)
	BN	3.2 (5.4%)	2.8 (4.7%)	3 (5%)	0 (-0.1%)
	D	3.2 (5.3%)	2.7 (4.5%)	3.2 (5.4%)	0 (0%)
	C	2.7 (4.4%)	2.1 (3.4%)	2.8 (4.6%)	0.1 (0.2%)
	All	3.2 (5.4%)	2.7 (4.4%)	3.3 (5.4%)	0.1 (0.1%)
NOV	W	1.5 (2.6%)	1.2 (2.1%)	1.6 (2.8%)	-0.2 (-0.4%)
	AN	1.7 (3%)	1.4 (2.5%)	1.7 (2.9%)	-0.2 (-0.3%)
	BN	2 (3.6%)	1.5 (2.6%)	2.1 (3.8%)	-0.1 (-0.3%)
	D	1.6 (2.8%)	1.3 (2.2%)	1.6 (2.8%)	-0.2 (-0.3%)
	C	1.7 (3%)	1.6 (2.7%)	1.6 (2.8%)	0 (-0.1%)
	All	1.6 (2.9%)	1.3 (2.4%)	1.7 (3%)	-0.2 (-0.3%)
DEC	W	0.8 (1.7%)	1.1 (2.3%)	0.9 (1.9%)	0 (0.1%)
	AN	0.9 (1.9%)	1.1 (2.2%)	0.9 (1.8%)	0 (-0.1%)
	BN	1.1 (2.2%)	1.2 (2.5%)	1.1 (2.3%)	0 (0%)
	D	0.9 (1.8%)	1 (2.2%)	0.9 (1.8%)	-0.1 (-0.3%)
	C	1 (2.1%)	1.2 (2.5%)	0.9 (1.9%)	0 (0.1%)
	All	0.9 (1.9%)	1.1 (2.3%)	0.9 (1.9%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.11.18 Stanislaus River at Knights Ferry

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 2D Model Scenarios in the Stanislaus River at Knights Ferry, Year-Round

Alternative 2D and 5A: Stanislaus River at Knights Ferry					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JAN	W	49	50	50	50
	AN	49	50	50	50
	BN	49	50	50	50
	D	48	50	50	50
	C	49	50	50	50
	All	49	50	50	50
FEB	W	49	50	50	50
	AN	49	50	50	50
	BN	49	51	51	51
	D	49	50	50	50
	C	50	51	51	51
	All	49	50	50	50
MAR	W	49	50	50	50
	AN	49	51	51	51
	BN	51	52	52	52
	D	51	53	53	53
	C	52	54	54	54
	All	50	52	52	52
APR	W	50	51	51	51
	AN	50	52	52	52
	BN	51	53	53	53
	D	52	53	53	53
	C	53	55	55	55
	All	51	53	53	53
MAY	W	51	53	53	53
	AN	53	54	54	54
	BN	54	56	56	56
	D	55	56	56	56
	C	56	58	58	58
	All	53	55	55	55
JUN	W	54	55	55	55
	AN	56	57	57	57
	BN	58	59	59	59
	D	59	61	61	61
	C	60	62	62	62
	All	57	58	58	58

Alternative 2D and 5A: Stanislaus River at Knights Ferry					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JUL	W	57	58	58	58
	AN	59	61	61	61
	BN	60	62	62	62
	D	61	63	63	63
	C	62	64	64	64
	All	59	61	61	61
AUG	W	58	59	59	59
	AN	60	61	61	61
	BN	60	62	62	62
	D	61	63	63	63
	C	62	65	65	65
	All	60	62	62	62
SEP	W	59	60	60	60
	AN	60	62	62	62
	BN	61	63	63	63
	D	62	63	63	63
	C	63	65	65	65
	All	61	62	62	62
OCT	W	59	61	61	61
	AN	59	61	61	61
	BN	59	60	60	60
	D	58	60	60	60
	C	60	62	62	62
	All	59	61	61	61
NOV	W	56	58	58	58
	AN	56	58	58	58
	BN	56	57	57	57
	D	56	57	57	57
	C	57	59	59	59
	All	56	58	58	58
DEC	W	52	53	53	53
	AN	52	53	53	53
	BN	51	53	53	53
	D	51	52	52	52
	C	52	53	53	53
	All	51	53	53	53

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Knights Ferry, Year-Round

Alternative 2D and 5A: Stanislaus River at Knights Ferry					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JAN	W	1.4 (2.8%)	0 (0%)	1.4 (2.8%)	0 (0%)
	AN	1.5 (3%)	0 (0%)	1.5 (3%)	0 (0%)
	BN	1.5 (3%)	0 (0%)	1.5 (3%)	0 (0%)
	D	1.4 (3%)	0 (0%)	1.4 (3%)	0 (0%)
	C	1.4 (2.9%)	0 (0%)	1.4 (2.9%)	0 (0%)
	All	1.4 (2.9%)	0 (0%)	1.4 (2.9%)	0 (0%)
FEB	W	1.3 (2.6%)	0 (0%)	1.3 (2.6%)	0 (0%)
	AN	1.5 (3%)	0 (0%)	1.5 (3%)	0 (0%)
	BN	1.5 (3.1%)	0 (0%)	1.5 (3.1%)	0 (0%)
	D	1.5 (3.1%)	0 (0%)	1.5 (3.1%)	0 (0%)
	C	1.5 (3%)	0 (0%)	1.5 (3%)	0 (0%)
	All	1.4 (2.9%)	0 (0%)	1.4 (2.9%)	0 (0%)
MAR	W	1.3 (2.7%)	0 (0%)	1.3 (2.7%)	0 (0%)
	AN	1.7 (3.5%)	0 (0%)	1.7 (3.5%)	0 (0%)
	BN	1.5 (3%)	0 (0%)	1.5 (3%)	0 (0%)
	D	1.6 (3.2%)	0 (0%)	1.6 (3.2%)	0 (0%)
	C	1.4 (2.7%)	0 (0%)	1.4 (2.7%)	0 (0%)
	All	1.5 (3%)	0 (0%)	1.5 (3%)	0 (0%)
APR	W	1.5 (2.9%)	0 (0%)	1.5 (2.9%)	0 (0%)
	AN	1.6 (3.2%)	0 (0%)	1.6 (3.2%)	0 (0%)
	BN	1.7 (3.3%)	0 (0%)	1.7 (3.3%)	0 (0%)
	D	1.7 (3.2%)	0 (0%)	1.7 (3.2%)	0 (0%)
	C	1.6 (3%)	0 (0%)	1.6 (3%)	0 (0%)
	All	1.6 (3.1%)	0 (0%)	1.6 (3.1%)	0 (0%)
MAY	W	1.5 (3%)	0 (0%)	1.5 (3%)	0 (0%)
	AN	1.6 (3%)	0 (0%)	1.6 (3%)	0 (0%)
	BN	1.9 (3.5%)	0 (0%)	1.9 (3.5%)	0 (0%)
	D	1.8 (3.3%)	0 (0%)	1.8 (3.3%)	0 (0%)
	C	1.8 (3.3%)	0 (0%)	1.8 (3.3%)	0 (0%)
	All	1.7 (3.2%)	0 (0%)	1.7 (3.2%)	0 (0%)
JUN	W	1.5 (2.7%)	0 (0%)	1.5 (2.7%)	0 (0%)
	AN	1.6 (2.9%)	0 (0%)	1.6 (2.9%)	0 (0%)
	BN	1.9 (3.3%)	0 (0%)	1.9 (3.3%)	0 (0%)
	D	2.1 (3.5%)	0 (0%)	2.1 (3.5%)	0 (0%)
	C	2 (3.3%)	0 (0%)	2 (3.3%)	0 (0%)
	All	1.8 (3.1%)	0 (0%)	1.8 (3.1%)	0 (0%)

Alternative 2D and 5A: Stanislaus River at Knights Ferry					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JUL	W	1.5 (2.6%)	0 (0%)	1.5 (2.6%)	0 (0%)
	AN	1.8 (3.1%)	0 (0%)	1.8 (3.1%)	0 (0%)
	BN	1.9 (3.2%)	0 (0%)	1.9 (3.2%)	0 (0%)
	D	2.1 (3.4%)	0 (0%)	2.1 (3.4%)	0 (0%)
	C	2.1 (3.3%)	0 (0%)	2.1 (3.4%)	0.1 (0.1%)
	All	1.8 (3.1%)	0 (0%)	1.8 (3.1%)	0 (0%)
AUG	W	1.6 (2.8%)	0 (0%)	1.6 (2.8%)	0 (0%)
	AN	1.7 (2.9%)	0 (0%)	1.7 (2.9%)	0 (0%)
	BN	1.8 (2.9%)	0 (0%)	1.8 (2.9%)	0 (0%)
	D	1.8 (2.9%)	0 (0%)	1.8 (2.9%)	0 (0%)
	C	2.3 (3.6%)	0 (0%)	2.1 (3.3%)	-0.2 (-0.3%)
	All	1.8 (3%)	0 (0%)	1.8 (3%)	0 (-0.1%)
SEP	W	1.6 (2.7%)	0 (0%)	1.6 (2.7%)	0 (0%)
	AN	1.7 (2.8%)	0 (0%)	1.7 (2.8%)	0 (0%)
	BN	1.7 (2.8%)	0 (0%)	1.7 (2.8%)	0 (0%)
	D	1.8 (2.9%)	0 (0%)	1.8 (2.9%)	0 (0%)
	C	2.1 (3.3%)	0 (0%)	2 (3.1%)	-0.1 (-0.2%)
	All	1.8 (2.9%)	0 (0%)	1.7 (2.9%)	0 (0%)
OCT	W	1.6 (2.7%)	0 (0%)	1.6 (2.7%)	0 (0%)
	AN	1.4 (2.4%)	0 (0%)	1.4 (2.4%)	0 (0%)
	BN	1.6 (2.7%)	0 (0%)	1.6 (2.7%)	0 (0%)
	D	1.6 (2.8%)	0 (0%)	1.6 (2.8%)	0 (0%)
	C	1.7 (2.8%)	0 (0%)	1.7 (2.9%)	0 (0%)
	All	1.6 (2.7%)	0 (0%)	1.6 (2.7%)	0 (0%)
NOV	W	1.5 (2.6%)	0 (0%)	1.5 (2.6%)	0 (0%)
	AN	1.4 (2.5%)	0 (0%)	1.4 (2.5%)	0 (0%)
	BN	1.5 (2.6%)	0 (0%)	1.5 (2.6%)	0 (0%)
	D	1.5 (2.6%)	0 (0%)	1.5 (2.6%)	0 (0%)
	C	1.5 (2.7%)	0 (0%)	1.5 (2.7%)	0 (0%)
	All	1.5 (2.6%)	0 (0%)	1.5 (2.6%)	0 (0%)
DEC	W	1.4 (2.7%)	0 (0%)	1.4 (2.7%)	0 (0%)
	AN	1.4 (2.7%)	0 (0%)	1.4 (2.7%)	0 (0%)
	BN	1.5 (2.8%)	0 (0%)	1.5 (2.8%)	0 (0%)
	D	1.4 (2.7%)	0 (0%)	1.4 (2.7%)	0 (0%)
	C	1.4 (2.8%)	0 (0%)	1.4 (2.8%)	0 (0%)
	All	1.4 (2.7%)	0 (0%)	1.4 (2.7%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.11.19 Stanislaus River at Orange Blossom Bridge

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 2D Model Scenarios in the Stanislaus River at Orange Blossom Bridge, Year-Round

Alternative 2D and 5A: Stanislaus River at Orange Blossom Bridge					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JAN	W	48	49	49	49
	AN	48	49	49	49
	BN	48	49	49	49
	D	47	48	48	48
	C	48	49	49	49
	All	48	49	49	49
FEB	W	49	50	50	50
	AN	49	51	51	51
	BN	49	51	51	51
	D	49	51	51	51
	C	50	52	52	52
	All	49	51	51	51
MAR	W	49	51	51	51
	AN	50	52	52	52
	BN	52	53	53	53
	D	52	54	54	54
	C	53	54	54	54
	All	51	53	53	53
APR	W	50	52	52	52
	AN	51	53	53	53
	BN	52	54	54	54
	D	53	54	54	54
	C	55	56	56	56
	All	52	54	54	54
MAY	W	53	54	54	54
	AN	54	56	56	56
	BN	55	57	57	57
	D	56	58	58	58
	C	58	60	60	60
	All	55	57	57	57
JUN	W	56	57	57	57
	AN	58	60	60	60
	BN	60	62	62	62
	D	62	65	64	65
	C	63	65	65	65
	All	59	61	61	61

Alternative 2D and 5A: Stanislaus River at Orange Blossom Bridge					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JUL	W	60	61	61	61
	AN	63	65	65	65
	BN	63	65	65	65
	D	64	66	66	66
	C	65	67	67	67
	All	63	65	65	65
AUG	W	60	62	62	62
	AN	63	64	64	64
	BN	63	65	65	65
	D	64	66	66	66
	C	65	67	67	67
	All	63	64	64	64
SEP	W	60	62	62	62
	AN	63	64	64	64
	BN	63	65	65	65
	D	63	65	65	65
	C	64	66	66	66
	All	62	64	64	64
OCT	W	59	61	61	61
	AN	59	61	61	61
	BN	59	60	60	60
	D	59	60	60	60
	C	60	62	62	62
	All	59	61	61	61
NOV	W	55	56	56	56
	AN	55	56	56	56
	BN	55	56	56	56
	D	55	56	56	56
	C	56	57	57	57
	All	55	57	57	57
DEC	W	50	52	52	52
	AN	50	51	51	51
	BN	49	51	51	51
	D	50	51	51	51
	C	50	51	51	51
	All	50	51	51	51

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Orange Blossom Bridge, Year-Round

Alternative 2D and 5A: Stanislaus River at Orange Blossom Bridge					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JAN	W	1.3 (2.8%)	0 (0%)	1.3 (2.8%)	0 (0%)
	AN	1.5 (3.1%)	0 (0%)	1.5 (3.1%)	0 (0%)
	BN	1.4 (2.9%)	0 (0%)	1.4 (2.9%)	0 (0%)
	D	1.3 (2.9%)	0 (0%)	1.3 (2.9%)	0 (0%)
	C	1.3 (2.6%)	0 (0%)	1.3 (2.6%)	0 (0%)
	All	1.4 (2.8%)	0 (0%)	1.4 (2.8%)	0 (0%)
FEB	W	1.3 (2.6%)	0 (0%)	1.3 (2.6%)	0 (0%)
	AN	1.4 (2.9%)	0 (0%)	1.4 (2.9%)	0 (0%)
	BN	1.5 (3.1%)	0 (0%)	1.5 (3.1%)	0 (0%)
	D	1.6 (3.3%)	0 (0%)	1.6 (3.3%)	0 (0%)
	C	1.6 (3.1%)	0 (0%)	1.6 (3.1%)	0 (0%)
	All	1.5 (3%)	0 (0%)	1.5 (3%)	0 (0%)
MAR	W	1.3 (2.5%)	0 (0%)	1.3 (2.5%)	0 (0%)
	AN	1.7 (3.5%)	0 (0%)	1.7 (3.5%)	0 (0%)
	BN	1.5 (2.9%)	0 (0%)	1.5 (2.9%)	0 (0%)
	D	1.7 (3.3%)	0 (0%)	1.7 (3.3%)	0 (0%)
	C	1.5 (2.7%)	0 (0%)	1.5 (2.7%)	0 (0%)
	All	1.5 (2.9%)	0 (0%)	1.5 (2.9%)	0 (0%)
APR	W	1.5 (2.9%)	0 (0%)	1.5 (2.9%)	0 (0%)
	AN	1.6 (3.1%)	0 (0%)	1.6 (3.1%)	0 (0%)
	BN	1.8 (3.4%)	0 (0%)	1.8 (3.4%)	0 (0%)
	D	1.7 (3.3%)	0 (0%)	1.7 (3.3%)	0 (0%)
	C	1.7 (3.1%)	0 (0%)	1.7 (3.1%)	0 (0%)
	All	1.6 (3.1%)	0 (0%)	1.6 (3.1%)	0 (0%)
MAY	W	1.6 (3%)	0 (0%)	1.6 (3%)	0 (0%)
	AN	1.7 (3.1%)	0 (0%)	1.7 (3.1%)	0 (0%)
	BN	2.2 (3.9%)	0 (0%)	2.2 (3.9%)	0 (0%)
	D	2 (3.5%)	0 (0%)	2 (3.5%)	0 (0%)
	C	2 (3.4%)	0 (0%)	2 (3.4%)	0 (0%)
	All	1.8 (3.3%)	0 (0%)	1.8 (3.3%)	0 (0%)
JUN	W	1.4 (2.5%)	0 (0%)	1.4 (2.5%)	0 (0%)
	AN	1.7 (3%)	0 (0%)	1.7 (3%)	0 (0%)
	BN	2.1 (3.4%)	0 (0%)	2.1 (3.4%)	0 (0%)
	D	2.5 (4%)	0 (0%)	2.5 (4%)	0 (0%)
	C	2.1 (3.4%)	0 (0%)	2.1 (3.4%)	0 (0%)
	All	1.9 (3.2%)	0 (0%)	1.9 (3.2%)	0 (0%)

Alternative 2D and 5A: Stanislaus River at Orange Blossom Bridge					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JUL	W	1.4 (2.4%)	0 (0%)	1.4 (2.4%)	0 (0%)
	AN	2 (3.3%)	0 (0%)	2 (3.3%)	0 (0%)
	BN	2 (3.2%)	0 (0%)	2 (3.2%)	0 (0%)
	D	2.3 (3.6%)	0 (0%)	2.3 (3.6%)	0 (0%)
	C	2.2 (3.4%)	0 (0%)	2.3 (3.5%)	0.1 (0.1%)
	All	1.9 (3.1%)	0 (0%)	1.9 (3.1%)	0 (0%)
AUG	W	1.8 (2.9%)	0 (0%)	1.8 (2.9%)	0 (0%)
	AN	1.8 (3%)	0 (0%)	1.8 (3%)	0 (0%)
	BN	1.7 (2.8%)	0 (0%)	1.7 (2.8%)	0 (0%)
	D	1.8 (2.8%)	0 (0%)	1.8 (2.8%)	0 (0%)
	C	2.3 (3.6%)	0 (0%)	2.1 (3.3%)	-0.2 (-0.2%)
	All	1.9 (3%)	0 (0%)	1.8 (3%)	0 (0%)
SEP	W	1.7 (2.8%)	0 (0%)	1.7 (2.8%)	0 (0%)
	AN	1.9 (3%)	0 (0%)	1.9 (3%)	0 (0%)
	BN	1.8 (2.9%)	0 (0%)	1.8 (2.9%)	0 (0%)
	D	1.8 (2.8%)	0 (0%)	1.8 (2.8%)	0 (0%)
	C	2.1 (3.2%)	0 (0%)	2 (3.1%)	-0.1 (-0.1%)
	All	1.8 (3%)	0 (0%)	1.8 (2.9%)	0 (0%)
OCT	W	1.6 (2.6%)	0 (0%)	1.6 (2.6%)	0 (0%)
	AN	1.4 (2.4%)	0 (0%)	1.4 (2.4%)	0 (0%)
	BN	1.4 (2.5%)	0 (0%)	1.4 (2.5%)	0 (0%)
	D	1.6 (2.7%)	0 (0%)	1.6 (2.7%)	0 (0%)
	C	1.7 (2.8%)	0 (0%)	1.7 (2.8%)	0 (0%)
	All	1.5 (2.6%)	0 (0%)	1.5 (2.6%)	0 (0%)
NOV	W	1.4 (2.5%)	0 (0%)	1.4 (2.5%)	0 (0%)
	AN	1.3 (2.4%)	0 (0%)	1.3 (2.4%)	0 (0%)
	BN	1.4 (2.6%)	0 (0%)	1.4 (2.6%)	0 (0%)
	D	1.3 (2.5%)	0 (0%)	1.3 (2.5%)	0 (0%)
	C	1.4 (2.5%)	0 (0%)	1.4 (2.5%)	0 (0%)
	All	1.4 (2.5%)	0 (0%)	1.4 (2.5%)	0 (0%)
DEC	W	1.3 (2.7%)	0 (0%)	1.3 (2.7%)	0 (0%)
	AN	1.3 (2.6%)	0 (0%)	1.3 (2.6%)	0 (0%)
	BN	1.4 (2.8%)	0 (0%)	1.4 (2.8%)	0 (0%)
	D	1.3 (2.5%)	0 (0%)	1.3 (2.5%)	0 (0%)
	C	1.3 (2.5%)	0 (0%)	1.3 (2.5%)	0 (0%)
	All	1.3 (2.6%)	0 (0%)	1.3 (2.6%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.11.20 Stanislaus River at Riverbank

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 2D Model Scenarios in the Stanislaus River at Riverbank, Year-Round

Alternative 2D and 5A: Stanislaus River at Riverbank					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JAN	W	47	48	48	48
	AN	47	48	48	48
	BN	46	48	48	48
	D	45	47	47	47
	C	46	47	47	47
	All	46	48	48	48
FEB	W	49	51	51	51
	AN	50	51	51	51
	BN	50	51	51	51
	D	50	51	51	51
	C	51	52	52	52
	All	50	51	51	51
MAR	W	51	52	52	52
	AN	52	53	53	53
	BN	53	55	55	55
	D	54	56	56	56
	C	54	55	55	55
	All	52	54	54	54
APR	W	52	53	53	53
	AN	53	55	55	55
	BN	54	56	56	56
	D	54	56	56	56
	C	57	58	58	58
	All	54	55	55	55
MAY	W	56	57	57	57
	AN	57	59	59	59
	BN	58	60	60	60
	D	59	61	61	61
	C	60	62	62	62
	All	58	59	59	59
JUN	W	60	61	61	61
	AN	62	64	64	64
	BN	64	66	66	66
	D	66	69	69	69
	C	66	68	68	68
	All	63	65	65	65

Alternative 2D and 5A: Stanislaus River at Riverbank					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JUL	W	65	67	67	67
	AN	68	70	70	70
	BN	68	70	70	70
	D	68	70	70	70
	C	68	70	70	70
	All	67	69	69	69
AUG	W	65	67	67	67
	AN	67	69	69	69
	BN	67	68	68	68
	D	68	69	69	69
	C	67	69	69	69
	All	66	68	68	68
SEP	W	64	65	65	65
	AN	66	68	68	68
	BN	66	67	67	67
	D	66	68	68	68
	C	66	68	68	68
	All	65	67	67	67
OCT	W	59	61	61	61
	AN	59	61	61	61
	BN	59	60	60	60
	D	59	60	60	60
	C	61	62	62	62
	All	60	61	61	61
NOV	W	53	55	55	55
	AN	53	54	54	54
	BN	53	54	54	54
	D	53	54	54	54
	C	54	55	55	55
	All	53	54	54	54
DEC	W	48	49	49	49
	AN	48	49	49	49
	BN	47	48	48	48
	D	47	48	48	48
	C	47	48	48	48
	All	47	49	49	49

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at Riverbank, Year-Round

Alternative 2D and 5A: Stanislaus River at Riverbank					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JAN	W	1.3 (2.8%)	0 (0%)	1.3 (2.8%)	0 (0%)
	AN	1.4 (3.1%)	0 (0%)	1.4 (3.1%)	0 (0%)
	BN	1.3 (2.7%)	0 (0%)	1.3 (2.7%)	0 (0%)
	D	1.2 (2.7%)	0 (0%)	1.2 (2.7%)	0 (0%)
	C	1.2 (2.6%)	0 (0%)	1.2 (2.6%)	0 (0%)
	All	1.3 (2.8%)	0 (0%)	1.3 (2.8%)	0 (0%)
FEB	W	1.2 (2.5%)	0 (0%)	1.2 (2.5%)	0 (0%)
	AN	1.4 (2.8%)	0 (0%)	1.4 (2.8%)	0 (0%)
	BN	1.6 (3.1%)	0 (0%)	1.6 (3.1%)	0 (0%)
	D	1.7 (3.3%)	0 (0%)	1.7 (3.3%)	0 (0%)
	C	1.6 (3.1%)	0 (0%)	1.6 (3.1%)	0 (0%)
	All	1.4 (2.9%)	0 (0%)	1.4 (2.9%)	0 (0%)
MAR	W	1.1 (2.1%)	0 (0%)	1.1 (2.1%)	0 (0%)
	AN	1.7 (3.3%)	0 (0%)	1.7 (3.3%)	0 (0%)
	BN	1.3 (2.5%)	0 (0%)	1.3 (2.5%)	0 (0%)
	D	1.7 (3.2%)	0 (0%)	1.7 (3.2%)	0 (0%)
	C	1.4 (2.6%)	0 (0%)	1.4 (2.6%)	0 (0%)
	All	1.4 (2.7%)	0 (0%)	1.4 (2.7%)	0 (0%)
APR	W	1.4 (2.7%)	0 (0%)	1.4 (2.7%)	0 (0%)
	AN	1.6 (2.9%)	0 (0%)	1.6 (2.9%)	0 (0%)
	BN	1.8 (3.4%)	0 (0%)	1.8 (3.4%)	0 (0%)
	D	1.7 (3.2%)	0 (0%)	1.7 (3.2%)	0 (0%)
	C	1.7 (3%)	0 (0%)	1.7 (3%)	0 (0%)
	All	1.6 (3%)	0 (0%)	1.6 (3%)	0 (0%)
MAY	W	1.6 (3%)	0 (0%)	1.6 (3%)	0 (0%)
	AN	1.9 (3.3%)	0 (0%)	1.9 (3.3%)	0 (0%)
	BN	2.4 (4.2%)	0 (0%)	2.4 (4.2%)	0 (0%)
	D	2.1 (3.6%)	0 (0%)	2.1 (3.6%)	0 (0%)
	C	2 (3.3%)	0 (0%)	2 (3.3%)	0 (0%)
	All	2 (3.4%)	0 (0%)	2 (3.4%)	0 (0%)
JUN	W	1.2 (2%)	0 (0%)	1.2 (2%)	0 (0%)
	AN	1.9 (3%)	0 (0%)	1.9 (3%)	0 (0%)
	BN	2 (3.1%)	0 (0%)	2 (3.1%)	0 (0%)
	D	2.4 (3.6%)	0 (0%)	2.4 (3.6%)	0 (0%)
	C	2.1 (3.1%)	0 (0%)	2 (3.1%)	0 (0%)
	All	1.8 (2.8%)	0 (0%)	1.8 (2.8%)	0 (0%)

Alternative 2D and 5A: Stanislaus River at Riverbank					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JUL	W	1.4 (2.1%)	0 (0%)	1.4 (2.1%)	0 (0%)
	AN	2 (2.9%)	0 (0%)	2 (2.9%)	0 (0%)
	BN	1.8 (2.7%)	0 (0%)	1.8 (2.7%)	0 (0%)
	D	2.2 (3.2%)	0 (0%)	2.2 (3.2%)	0 (0%)
	C	2 (2.9%)	0 (0%)	2 (2.9%)	0 (0%)
	All	1.8 (2.7%)	0 (0%)	1.8 (2.7%)	0 (0%)
AUG	W	1.8 (2.8%)	0 (0%)	1.8 (2.8%)	0 (0%)
	AN	1.8 (2.7%)	0 (0%)	1.8 (2.7%)	0 (0%)
	BN	1.6 (2.5%)	0 (0%)	1.6 (2.5%)	0 (0%)
	D	1.7 (2.4%)	0 (0%)	1.7 (2.4%)	0 (0%)
	C	2.1 (3.1%)	0 (0%)	1.9 (2.8%)	-0.2 (-0.3%)
	All	1.8 (2.7%)	0 (0%)	1.8 (2.7%)	0 (-0.1%)
SEP	W	1.7 (2.7%)	0 (0%)	1.7 (2.7%)	0 (0%)
	AN	1.9 (2.9%)	0 (0%)	1.9 (2.9%)	0 (0%)
	BN	1.8 (2.7%)	0 (0%)	1.8 (2.7%)	0 (0%)
	D	1.8 (2.7%)	0 (0%)	1.8 (2.7%)	0 (0%)
	C	1.9 (2.9%)	0 (0%)	1.8 (2.7%)	-0.1 (-0.2%)
	All	1.8 (2.8%)	0 (0%)	1.8 (2.7%)	0 (0%)
OCT	W	1.4 (2.4%)	0 (0%)	1.4 (2.4%)	0 (0%)
	AN	1.3 (2.2%)	0 (0%)	1.3 (2.2%)	0 (0%)
	BN	1.2 (2.1%)	0 (0%)	1.2 (2.1%)	0 (0%)
	D	1.4 (2.3%)	0 (0%)	1.4 (2.3%)	0 (0%)
	C	1.5 (2.5%)	0 (0%)	1.5 (2.5%)	0 (0%)
	All	1.4 (2.3%)	0 (0%)	1.4 (2.3%)	0 (0%)
NOV	W	1.3 (2.4%)	0 (0%)	1.3 (2.4%)	0 (0%)
	AN	1.2 (2.3%)	0 (0%)	1.2 (2.3%)	0 (0%)
	BN	1.2 (2.3%)	0 (0%)	1.2 (2.3%)	0 (0%)
	D	1.2 (2.2%)	0 (0%)	1.2 (2.2%)	0 (0%)
	C	1.2 (2.3%)	0 (0%)	1.2 (2.3%)	0 (0%)
	All	1.2 (2.3%)	0 (0%)	1.2 (2.3%)	0 (0%)
DEC	W	1.3 (2.7%)	0 (0%)	1.3 (2.7%)	0 (0%)
	AN	1.2 (2.5%)	0 (0%)	1.2 (2.5%)	0 (0%)
	BN	1.2 (2.6%)	0 (0%)	1.2 (2.6%)	0 (0%)
	D	1.1 (2.3%)	0 (0%)	1.1 (2.3%)	0 (0%)
	C	1.1 (2.4%)	0 (0%)	1.1 (2.4%)	0 (0%)
	All	1.2 (2.5%)	0 (0%)	1.2 (2.5%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.

11D.11.21 Stanislaus River at the Confluence with the San Joaquin River

Table 1. Mean Monthly Water Temperatures (°F) for Alternative 2D Model Scenarios in the Stanislaus River at the Confluence with the San Joaquin River, Year-Round

Alternative 2D and 5A: Stanislaus River at the Confluence with the San Joaquin River					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JAN	W	46	48	48	48
	AN	46	47	47	47
	BN	46	47	47	47
	D	45	46	46	46
	C	45	46	46	46
	All	46	47	47	47
FEB	W	50	51	51	51
	AN	50	52	52	52
	BN	50	51	51	51
	D	50	52	52	52
	C	51	53	53	53
	All	50	52	52	52
MAR	W	52	53	53	53
	AN	53	54	54	54
	BN	54	55	55	55
	D	55	57	57	57
	C	55	56	56	56
	All	54	55	55	55
APR	W	54	55	55	55
	AN	55	57	57	57
	BN	56	58	58	58
	D	57	58	58	58
	C	59	60	60	60
	All	56	57	57	57
MAY	W	59	60	60	60
	AN	60	62	62	62
	BN	60	63	63	63
	D	61	64	64	64
	C	63	65	65	65
	All	60	62	62	62
JUN	W	62	64	64	64
	AN	65	67	67	67
	BN	66	68	68	68
	D	68	70	70	70
	C	68	70	70	70
	All	65	67	67	67

Alternative 2D and 5A: Stanislaus River at the Confluence with the San Joaquin River					
Month	**Water Year Type**	**EXISTING CONDITIONS**	**NAA_ELT**	**A2D_ELT**	**A5A_ELT**
JUL	W	68	69	69	69
	AN	70	72	72	72
	BN	70	71	71	71
	D	70	72	72	72
	C	70	72	72	72
	All	69	71	71	71
AUG	W	67	69	69	69
	AN	69	70	70	70
	BN	68	70	70	70
	D	69	71	71	71
	C	69	70	70	70
	All	68	70	70	70
SEP	W	65	67	67	67
	AN	67	69	69	69
	BN	67	68	68	68
	D	67	69	69	69
	C	67	68	68	68
	All	66	68	68	68
OCT	W	60	61	61	61
	AN	60	61	61	61
	BN	59	60	60	60
	D	59	61	61	61
	C	61	62	62	62
	All	60	61	61	61
NOV	W	53	54	54	54
	AN	52	53	53	53
	BN	52	53	53	53
	D	52	53	53	53
	C	53	54	54	54
	All	52	54	54	54
DEC	W	47	48	48	48
	AN	46	48	48	48
	BN	45	47	47	47
	D	45	46	46	46
	C	45	46	46	46
	All	46	47	47	47

Table 2. Differences (°F)[a] (Percent Differences) between Pairs of Model Scenarios in Mean Monthly Water Temperatures in the Stanislaus River at the Confluence with the San Joaquin River, Year-Round

Alternative 2D and 5A: Stanislaus River at the Confluence with the San Joaquin River					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JAN	W	1.3 (2.9%)	0 (0%)	1.3 (2.9%)	0 (0%)
	AN	1.4 (3%)	0 (0%)	1.4 (3%)	0 (0%)
	BN	1.3 (2.9%)	0 (0%)	1.3 (2.9%)	0 (0%)
	D	1.2 (2.7%)	0 (0%)	1.2 (2.7%)	0 (0%)
	C	1.3 (2.9%)	0 (0%)	1.3 (2.9%)	0 (0%)
	All	1.3 (2.9%)	0 (0%)	1.3 (2.9%)	0 (0%)
FEB	W	1.2 (2.4%)	0 (0%)	1.2 (2.4%)	0 (0%)
	AN	1.4 (2.8%)	0 (0%)	1.4 (2.8%)	0 (0%)
	BN	1.5 (3.1%)	0 (0%)	1.5 (3.1%)	0 (0%)
	D	1.5 (3.1%)	0 (0%)	1.5 (3.1%)	0 (0%)
	C	1.5 (3%)	0 (0%)	1.5 (3%)	0 (0%)
	All	1.4 (2.8%)	0 (0%)	1.4 (2.8%)	0 (0%)
MAR	W	1 (1.9%)	0 (0%)	1 (1.9%)	0 (0%)
	AN	1.6 (3%)	0 (0%)	1.6 (3%)	0 (0%)
	BN	1.2 (2.2%)	0 (0%)	1.2 (2.2%)	0 (0%)
	D	1.6 (2.9%)	0 (0%)	1.6 (2.9%)	0 (0%)
	C	1.3 (2.3%)	0 (0%)	1.3 (2.3%)	0 (0%)
	All	1.3 (2.4%)	0 (0%)	1.3 (2.4%)	0 (0%)
APR	W	1.3 (2.4%)	0 (0%)	1.3 (2.4%)	0 (0%)
	AN	1.5 (2.7%)	0 (0%)	1.5 (2.7%)	0 (0%)
	BN	1.7 (3.1%)	0 (0%)	1.7 (3.1%)	0 (0%)
	D	1.6 (2.9%)	0 (0%)	1.6 (2.9%)	0 (0%)
	C	1.5 (2.6%)	0 (0%)	1.5 (2.6%)	0 (0%)
	All	1.5 (2.7%)	0 (0%)	1.5 (2.7%)	0 (0%)
MAY	W	1.6 (2.8%)	0 (0%)	1.6 (2.8%)	0 (0%)
	AN	2 (3.3%)	0 (0%)	2 (3.3%)	0 (0%)
	BN	2.3 (3.8%)	0 (0%)	2.3 (3.8%)	0 (0%)
	D	2.1 (3.4%)	0 (0%)	2.1 (3.4%)	0 (0%)
	C	1.9 (3%)	0 (0%)	1.9 (3%)	0 (0%)
	All	1.9 (3.2%)	0 (0%)	1.9 (3.2%)	0 (0%)
JUN	W	1.2 (1.9%)	0 (0%)	1.2 (1.9%)	0 (0%)
	AN	1.8 (2.8%)	0 (0%)	1.9 (2.9%)	0 (0%)
	BN	1.8 (2.7%)	0 (0%)	1.8 (2.7%)	0 (0%)
	D	1.9 (2.8%)	0 (0%)	1.9 (2.8%)	0 (0%)
	C	1.8 (2.7%)	0 (0%)	1.8 (2.7%)	0 (0%)
	All	1.7 (2.5%)	0 (0%)	1.7 (2.5%)	0 (0%)

Alternative 2D and 5A: Stanislaus River at the Confluence with the San Joaquin River					
Month	**Water Year Type**	**EXISTING CONDITIONS VS. A2D_ELT**	**NAA_ELT VS. A2D_ELT**	**EXISTING CONDITIONS VS. A5A_ELT**	**NAA_ELT VS. A5A_ELT**
JUL	W	1.4 (2.1%)	0 (0%)	1.4 (2.1%)	0 (0%)
	AN	1.8 (2.5%)	0 (0%)	1.8 (2.5%)	0 (0%)
	BN	1.6 (2.3%)	0 (0%)	1.6 (2.3%)	0 (0%)
	D	1.8 (2.6%)	0 (0%)	1.8 (2.6%)	0 (0%)
	C	1.8 (2.5%)	0 (0%)	1.8 (2.5%)	0 (0%)
	All	1.7 (2.4%)	0 (0%)	1.7 (2.4%)	0 (0%)
AUG	W	1.9 (2.8%)	0 (0%)	1.9 (2.8%)	0 (0%)
	AN	1.7 (2.4%)	0 (0%)	1.7 (2.4%)	0 (0%)
	BN	1.6 (2.3%)	0 (0%)	1.6 (2.3%)	0 (0%)
	D	1.6 (2.3%)	0 (0%)	1.6 (2.3%)	0 (0%)
	C	1.9 (2.8%)	0 (0%)	1.7 (2.4%)	-0.3 (-0.4%)
	All	1.8 (2.6%)	0 (0%)	1.7 (2.5%)	-0.1 (-0.1%)
SEP	W	1.8 (2.7%)	0 (0%)	1.8 (2.7%)	0 (0%)
	AN	1.8 (2.7%)	0 (0%)	1.8 (2.7%)	0 (0%)
	BN	1.8 (2.6%)	0 (0%)	1.8 (2.6%)	0 (0%)
	D	1.7 (2.6%)	0 (0%)	1.7 (2.6%)	0 (0%)
	C	1.8 (2.7%)	0 (0%)	1.6 (2.5%)	-0.2 (-0.3%)
	All	1.8 (2.7%)	0 (0%)	1.7 (2.6%)	0 (-0.1%)
OCT	W	1.3 (2.2%)	0 (0%)	1.3 (2.2%)	0 (0%)
	AN	1.2 (2%)	0 (0%)	1.2 (2%)	0 (0%)
	BN	1.1 (1.8%)	0 (0%)	1.1 (1.8%)	0 (0%)
	D	1.3 (2.1%)	0 (0%)	1.3 (2.1%)	0 (0%)
	C	1.5 (2.4%)	0 (0%)	1.5 (2.4%)	0 (0%)
	All	1.3 (2.1%)	0 (0%)	1.3 (2.1%)	0 (0%)
NOV	W	1.2 (2.3%)	0 (0%)	1.2 (2.3%)	0 (0%)
	AN	1.2 (2.3%)	0 (0%)	1.2 (2.3%)	0 (0%)
	BN	1.2 (2.3%)	0 (0%)	1.2 (2.3%)	0 (0%)
	D	1.1 (2.2%)	0 (0%)	1.1 (2.2%)	0 (0%)
	C	1.2 (2.2%)	0 (0%)	1.2 (2.2%)	0 (0%)
	All	1.2 (2.3%)	0 (0%)	1.2 (2.3%)	0 (0%)
DEC	W	1.3 (2.7%)	0 (0%)	1.3 (2.7%)	0 (0%)
	AN	1.2 (2.5%)	0 (0%)	1.2 (2.5%)	0 (0%)
	BN	1.2 (2.7%)	0 (0%)	1.2 (2.7%)	0 (0%)
	D	1 (2.2%)	0 (0%)	1 (2.2%)	0 (0%)
	C	1.1 (2.4%)	0 (0%)	1.1 (2.4%)	0 (0%)
	All	1.2 (2.5%)	0 (0%)	1.2 (2.5%)	0 (0%)

[a] Red boxes indicate that water temperatures under the alternative are more than 5% greater than water temperatures under the baseline; green boxes indicate that water temperatures under the alternative are more than 5% lower than water temperatures under the baseline.