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Appendix 7E-1
Folsom Reservoir CE-QUAL-W2 River Temperature Modeling Updates for American River

Line items and numbers identified or noted as "No Action Alternative" represent the "Existing Conditions/No Project/No Action Condition" (described in Chapter 2 Alternatives Analysis). Table numbering may not be consecutive for all appendixes.

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Table SQ-39-1a

American River below Nimbus Dam, Monthly Temperature

Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
					Monthly Temperature (DEG-F)							
					Long-term							
Full Simulation Period[1]												
No Action Alternative	61.0	56.9	51.2	47.4	48.1	50.7	53.6	55.7	58.3	61.3	62.3	62.3
Alternative A	60.7	57.0	51.3	47.5	48.2	50.7	53.7	55.7	58.4	61.2	62.2	62.2
Difference	-0.3	0.0	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0	-0.1	-0.1
Percent Difference[3]	-0.5%	0.0%	0.2%	0.2%	0.1%	0.1%	0.2%	0.0%	0.1%	0.0%	-0.2%	-0.1%
					Water Year Types[2]							
Wet (32%)												
No Action Alternative	59.6	56.5	51.8	47.4	48.1	50.0	52.5	53.6	56.1	59.2	60.7	61.0
Alternative A	59.3	56.5	51.9	47.4	48.2	50.0	52.4	53.6	56.0	59.2	60.8	61.0
Difference	-0.3	0.0	0.1	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.1	0.1
Percent Difference	-0.5%	0.0%	0.1%	0.1%	0.0%	0.0%	-0.1%	-0.1%	0.0%	0.0%	0.1%	0.1%
Above Normal (15%)												
No Action Alternative	60.0	56.4	50.8	47.6	47.8	50.1	52.8	54.4	57.1	60.3	61.1	60.9
Alternative A	59.6	56.5	50.9	47.6	47.8	50.3	53.1	54.6	57.3	60.4	61.1	61.0
Difference	-0.4	0.1	0.2	0.0	0.1	0.3	0.3	0.2	0.2	0.0	0.0	0.1
Percent Difference	-0.6%	0.2%	0.3%	0.1%	0.2%	0.6%	0.5%	0.4%	0.4%	0.0%	0.0%	0.2%
Below Normal (17%)												
No Action Alternative	60.5	57.0	51.5	47.3	47.5	50.6	53.5	55.2	57.8	60.9	61.2	60.9
Alternative A	60.3	56.9	51.5	47.4	47.5	50.7	53.6	55.4	58.0	60.6	61.3	61.0
Difference	-0.2	-0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.2	-0.3	0.0	0.1
Percent Difference	-0.3%	-0.2%	0.1%	0.1%	0.0%	0.1%	0.1%	0.2%	0.3%	-0.5%	0.0%	0.1%
Dry (22%)												
No Action Alternative	62.1	57.3	51.3	47.5	48.5	51.0	54.2	56.9	59.4	61.8	62.7	62.7
Alternative A	61.5	57.3	51.4	47.6	48.5	51.0	54.3	57.0	59.5	61.5	62.5	62.2
Difference	-0.6	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.1	-0.3	-0.2	-0.4
Percent Difference	-0.9%	-0.1%	0.2%	0.2%	0.0%	-0.1%	0.2%	0.3%	0.2%	-0.5%	-0.3%	-0.7%
Critical (15%)												
No Action Alternative	64.0	57.8	50.1	47.3	48.8	52.3	55.8	60.0	63.4	66.3	67.5	67.3
Alternative A	64.0	58.0	50.2	47.5	49.0	52.5	56.0	59.6	63.1	66.9	66.9	67.0
Difference	0.0	0.2	0.1	0.2	0.2	0.2	0.2	-0.4	-0.3	0.7	-0.6	-0.2
Percent Difference	0.0%	0.4%	0.3%	0.4%	0.4%	0.3%	0.4%	-0.7%	-0.5%	1.0%	-0.8%	-0.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

American River below Nimbus Dam, Monthly Temperature
Full Simulation Period

American River below Nimbus Dam, Monthly Temperature
Wet Water Year Types (32%)

American River below Nimbus Dam, Monthly Temperature
Above Normal Water Year Types (15%)

American River below Nimbus Dam, Monthly Temperature
Below Normal Water Year Types (17%)

American River below Nimbus Dam, Monthly Temperature
Dry Water Year Types (22%)

American River below Nimbus Dam, Monthly Temperature
Critical Water Year Types (15%)

Figure SQ-39-1b
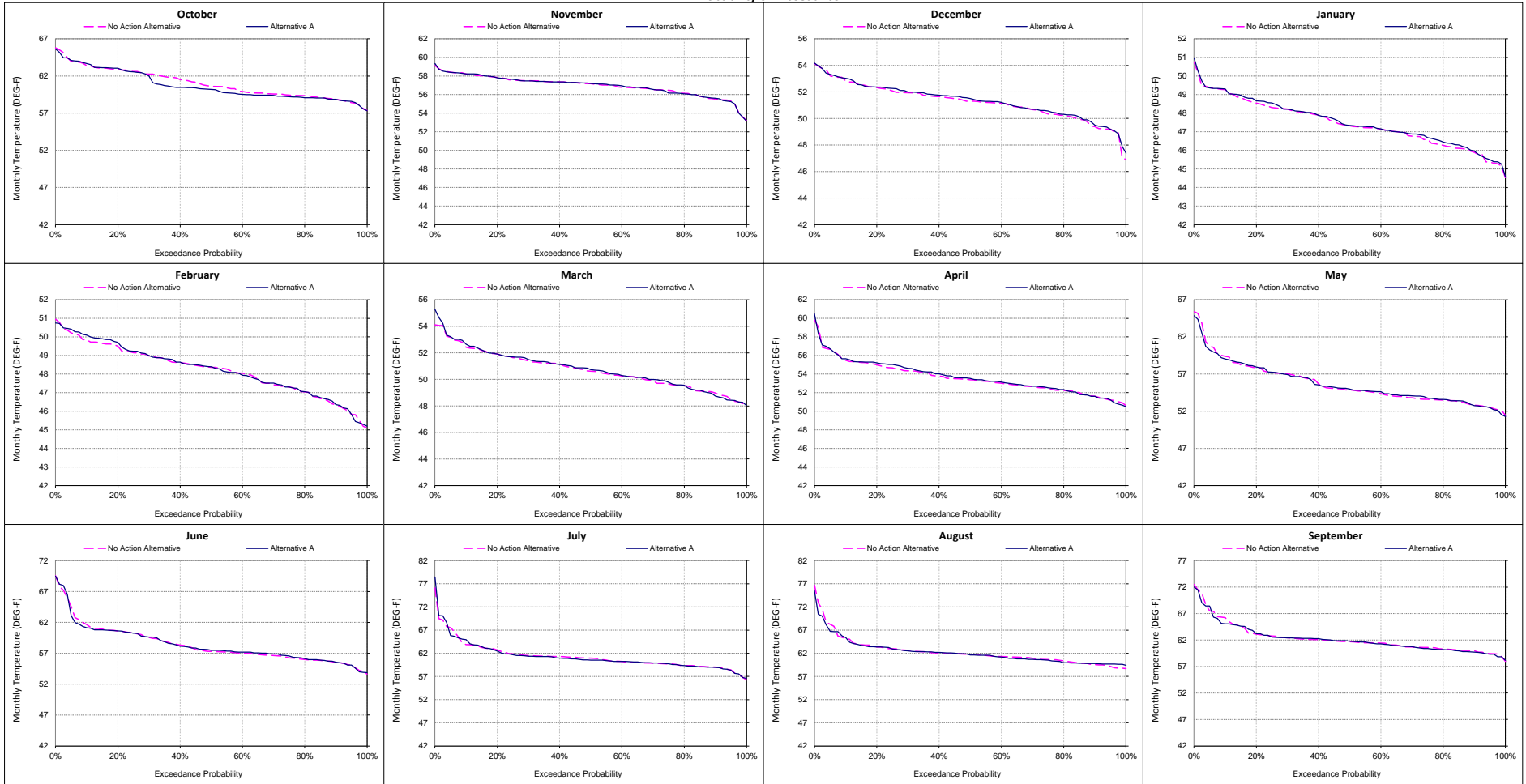**American River below Nimbus Dam, Monthly Temperature**
Probability of Exceedance

Table SQ-**39**-1b
American River below Nimbus Dam, Monthly Temperature
Probability of Exceedance

October

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative A Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	65.8	65.6	-0.2	-0.3%
1.3%	65.5	65.2	-0.3	-0.5%
2.5%	65.2	64.4	-0.7	-1.1%
3.8%	64.5	64.4	-0.1	-0.1%
5.0%	64.0	64.1	0.1	0.2%
6.3%	64.0	64.0	0.1	0.1%
7.5%	63.9	64.0	0.1	0.2%
8.8%	63.7	63.8	0.1	0.1%
10.0%	63.4	63.7	0.3	0.5%
11.3%	63.3	63.5	0.2	0.3%
12.5%	63.2	63.1	0.0	-0.1%
13.8%	63.1	63.1	0.0	0.1%
15.0%	63.1	63.1	0.0	0.1%
16.3%	63.1	63.1	0.0	0.1%
17.5%	63.0	63.1	0.1	0.2%
18.8%	62.9	63.0	0.1	0.2%
20.0%	62.9	63.0	0.2	0.3%
21.3%	62.8	62.8	0.0	0.1%
22.5%	62.8	62.7	-0.1	-0.2%
23.8%	62.7	62.6	-0.1	-0.1%
25.0%	62.6	62.6	0.0	-0.1%
26.3%	62.6	62.5	-0.1	-0.2%
27.5%	62.4	62.5	0.0	0.0%
28.8%	62.3	62.3	0.0	0.0%
30.0%	62.3	62.0	-0.2	-0.4%
31.3%	62.3	61.1	-1.2	-1.9%
32.5%	62.1	60.9	-1.1	-1.8%
33.8%	62.0	60.9	-1.2	-1.9%
35.0%	61.9	60.7	-1.2	-1.9%
36.3%	61.8	60.6	-1.2	-1.9%
37.5%	61.8	60.5	-1.3	-2.1%
38.8%	61.8	60.5	-1.3	-2.1%
40.0%	61.5	60.5	-1.0	-1.7%
41.3%	61.5	60.5	-1.0	-1.6%
42.5%	61.4	60.4	-0.9	-1.5%
43.8%	61.2	60.4	-0.8	-1.3%
45.0%	61.2	60.4	-0.8	-1.3%
46.3%	61.0	60.3	-0.7	-1.1%
47.5%	60.8	60.3	-0.5	-0.9%
48.8%	60.7	60.2	-0.5	-0.8%
50.0%	60.6	60.2	-0.4	-0.7%
51.3%	60.6	60.1	-0.5	-0.8%
52.5%	60.6	60.0	-0.6	-1.0%
53.8%	60.6	59.8	-0.8	-1.3%
55.0%	60.4	59.7	-0.7	-1.1%
56.3%	60.3	59.7	-0.6	-1.0%
57.5%	60.3	59.7	-0.6	-1.0%
58.8%	60.0	59.5	-0.4	-0.7%
60.0%	59.9	59.5	-0.4	-0.7%
61.3%	59.8	59.5	-0.3	-0.5%
62.5%	59.8	59.5	-0.3	-0.4%
63.8%	59.7	59.4	-0.3	-0.5%
65.0%	59.7	59.4	-0.3	-0.5%
66.3%	59.7	59.4	-0.3	-0.5%
67.5%	59.6	59.4	-0.2	-0.3%
68.8%	59.6	59.4	-0.2	-0.3%
70.0%	59.6	59.4	-0.2	-0.3%
71.3%	59.6	59.3	-0.3	-0.5%
72.5%	59.6	59.3	-0.3	-0.5%
73.8%	59.5	59.2	-0.2	-0.4%
75.0%	59.4	59.2	-0.2	-0.4%
76.3%	59.4	59.2	-0.2	-0.4%
77.5%	59.4	59.2	-0.2	-0.3%
78.8%	59.4	59.1	-0.2	-0.4%
80.0%	59.4	59.1	-0.3	-0.5%
81.3%	59.4	59.1	-0.3	-0.5%
82.5%	59.2	59.1	-0.1	-0.2%
83.8%	59.2	59.0	-0.1	-0.2%
85.0%	59.1	59.0	0.0	-0.1%
86.3%	59.0	59.0	0.0	0.0%
87.5%	59.0	58.9	-0.1	-0.1%
88.8%	58.9	58.9	0.0	-0.1%
90.0%	58.8	58.8	0.0	0.1%
91.3%	58.8	58.7	0.0	-0.1%
92.5%	58.7	58.6	-0.1	-0.1%
93.8%	58.5	58.6	0.1	0.2%
95.0%	58.4	58.6	0.2	0.3%
96.3%	58.3	58.4	0.1	0.1%
97.5%	58.1	58.0	-0.1	-0.1%
98.8%	57.6	57.6	-0.1	-0.1%
100.0%	57.3	57.3	0.0	0.0%

November

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative A Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	59.1	59.3	0.2	0.4%
1.3%	58.8	58.7	0.0	-0.1%
2.5%	58.6	58.5	0.0	0.0%
3.8%	58.5	58.5	0.0	-0.1%
5.0%	58.4	58.4	0.0	0.0%
6.3%	58.4	58.4	0.0	0.0%
7.5%	58.4	58.3	0.0	0.0%
8.8%	58.3	58.3	-0.1	-0.1%
10.0%	58.2	58.2	0.0	0.0%
11.3%	58.1	58.2	0.1	0.2%
12.5%	58.1	58.2	0.1	0.2%
13.8%	58.0	58.2	0.2	0.3%
15.0%	58.0	58.1	0.1	0.1%
16.3%	58.0	58.0	0.0	-0.1%
17.5%	57.9	58.0	0.0	0.1%
18.8%	57.9	57.9	0.0	0.0%
20.0%	57.8	57.8	0.0	-0.1%
21.3%	57.8	57.8	-0.1	-0.1%
22.5%	57.7	57.7	0.0	0.0%
23.8%	57.6	57.7	0.1	0.1%
25.0%	57.6	57.6	0.1	0.1%
26.3%	57.5	57.6	0.0	0.1%
27.5%	57.5	57.5	0.0	0.0%
28.8%	57.5	57.5	0.0	0.0%
30.0%	57.5	57.5	0.0	-0.1%
31.3%	57.5	57.5	0.0	0.0%
32.5%	57.5	57.4	-0.1	-0.1%
33.8%	57.5	57.4	0.0	-0.1%
35.0%	57.4	57.4	0.0	0.0%
36.3%	57.4	57.4	0.0	0.0%
37.5%	57.4	57.4	0.0	-0.1%
38.8%	57.4	57.4	0.0	-0.1%
40.0%	57.4	57.4	0.0	0.0%
41.3%	57.4	57.3	0.0	0.0%
42.5%	57.3	57.3	0.0	-0.1%
43.8%	57.3	57.3	0.0	0.0%
45.0%	57.3	57.3	0.0	0.0%
46.3%	57.2	57.3	0.1	0.1%
47.5%	57.2	57.3	0.0	0.1%
48.8%	57.2	57.3	0.1	0.1%
50.0%	57.2	57.2	0.0	0.0%
51.3%	57.1	57.2	0.1	0.1%
52.5%	57.1	57.2	0.1	0.1%
53.8%	57.0	57.1	0.1	0.2%
55.0%	57.0	57.1	0.1	0.1%
56.3%	57.0	57.0	0.0	0.1%
57.5%	57.0	57.0	0.0	0.1%
58.8%	56.8	57.0	0.2	0.3%
60.0%	56.8	56.9	0.2	0.3%
61.3%	56.8	56.8	0.1	0.1%
62.5%	56.8	56.8	0.1	0.1%
63.8%	56.7	56.8	0.0	0.1%
65.0%	56.7	56.8	0.1	0.1%
66.3%	56.7	56.7	0.0	0.1%
67.5%	56.7	56.7	0.1	0.1%
68.8%	56.7	56.6	0.0	0.0%
70.0%	56.5	56.6	0.0	0.1%
71.3%	56.5	56.5	0.0	0.0%
72.5%	56.5	56.5	0.0	0.0%
73.8%	56.5	56.4	-0.1	-0.1%
75.0%	56.5	56.2	-0.3	-0.5%
76.3%	56.4	56.2	-0.3	-0.5%
77.5%	56.3	56.2	-0.1	-0.2%
78.8%	56.2	56.1	0.0	-0.1%
80.0%	56.1	56.1	0.0	-0.1%
81.3%	56.1	56.0	-0.1	-0.1%
82.5%	56.0	56.0	0.0	0.0%
83.8%	56.0	56.0	0.0	0.1%
85.0%	55.8	55.8	0.0	0.0%
86.3%	55.7	55.7	0.0	0.0%
87.5%	55.6	55.7	0.1	0.2%
88.8%	55.6	55.6	0.0	0.1%
90.0%	55.5	55.6	0.1	0.2%
91.3%	55.5	55.5	0.0	0.1%
92.5%	55.4	55.4	-0.1	-0.1%
93.8%	55.4	55.3	-0.1	-0.2%
95.0%	55.3	55.3	0.0	-0.1%
96.3%	55.0	55.0	0.0	0.1%
97.5%	54.1	54.0	0.0	-0.1%
98.8%	53.6	53.6	0.0	0.0%
100.0%	53.2	53.2	0.0	-0.1%

December

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative A Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	54.1	54.2	0.0	0.1%
1.3%	53.9	54.0	0.0	0.1%
2.5%	53.8	53.8	0.0	0.0%
3.8%	53.7	53.4	-0.3	-0.5%
5.0%	53.2	53.3	0.1	0.2%
6.3%	53.1	53.2	0.1	0.2%
7.5%	53.1	53.1	0.0	0.1%
8.8%	53.1	53.1	0.0	-0.1%
10.0%	52.8	53.0	0.2	0.4%
11.3%	52.8	53.0	0.2	0.4%
12.5%	52.7	52.8	0.1	0.2%
13.8%	52.6	52.5	-0.1	-0.1%
15.0%	52.5	52.5	0.0	0.0%
16.3%	52.5	52.4	-0.1	-0.1%
17.5%	52.4	52.4	0.0	0.0%
18.8%	52.4	52.4	0.0	0.0%
20.0%	52.3	52.4	0.0	0.1%
21.3%	52.3	52.4	0.1	0.2%
22.5%	52.2	52.3	0.1	0.2%
23.8%	52.2	52.3	0.1	0.2%
25.0%	52.1	52.3	0.2	0.3%
26.3%	52.0	52.2	0.3	0.5%
27.5%	52.0	52.1	0.2	0.3%
28.8%	52.0	52.1	0.2	0.3%
30.0%	51.9	52.0	0.1	0.1%
31.3%	51.9	52.0	0.1	0.1%
32.5%	51.9	52.0	0.1	0.1%
33.8%	51.9	52.0	0.0	0.1%
35.0%	51.7	51.9	0.2	0.4%
36.3%	51.7	51.8	0.1	0.2%
37.5%	51.7	51.8	0.1	0.2%
38.8%	51.7	51.8	0.1	0.2%
40.0%	51.6	51.8	0.1	0.2%
41.3%	51.6	51.7	0.1	0.2%
42.5%	51.6	51.7	0.1	0.3%
43.8%	51.5	51.7	0.1	0.3%
45.0%	51.5	51.7	0.2	0.3%
46.3%	51.5	51.7	0.2	0.3%
47.5%	51.4	51.6	0.2	0.4%
48.8%	51.3	51.6	0.3	0.5%
50.0%	51.3	51.5	0.2	0.4%
51.3%	51.3	51.4	0.1	0.2%
52.5%	51.3	51.3	0.1	0.1%
53.8%	51.2	51.3	0.1	0.2%
55.0%	51.2	51.3	0.1	0.2%
56.3%	51.2	51.3	0.1	0.2%
57.5%	51.2	51.3	0.1	0.2%
58.8%	51.1	51.3	0.1	0.3%
60.0%	51.1	51.2	0.1	0.2%
61.3%	51.1	51.1	0.0	0.0%
62.5%	51.0	51.0	0.1	0.1%
63.8%	50.9	51.0	0.0	0.1%
65.0%	50.9	50.9	0.0	0.0%
66.3%	50.9	50.8	0.0	-0.1%
67.5%	50.8	50.8	0.0	-0.1%
68.8%	50.7	50.7	0.0	0.0%
70.0%	50.7	50.7	0.0	0.1%
71.3%	50.6	50.7	0.0	0.1%
72.5%	50.6	50.6	0.0	0.1%
73.8%	50.5	50.6	0.1	0.3%
75.0%	50.3	50.6	0.2	0.5%
76.3%	50.3	50.5	0.1	0.3%
77.5%	50.3	50.4	0.1	0.2%
78.8%	50.3	50.3	0.0	0.2%
80.0%	50.2	50.3	0.1	0.2%
81.3%	50.2	50.3	0.1	0.2%
82.5%	50.1	50.3	0.2	0.3%
83.8%	50.0	50.2	0.2	0.4%
85.0%	49.9	50.1	0.2	0.4%
86.3%	49.9	49.9	0.0	0.0%
87.5%	49.8	49.9	0.2	0.3%
88.8%	49.4	49.8	0.3	0.6%
90.0%	49.4	49.5	0.1	0.2%
91.3%	49.2	49.4	0.2	0.3%
92.5%	49.2	49.4	0.2	0.3%
93.8%	49.2	49.4	0.2	0.3%
95.0%	49.2	49.2	0.0	0.0%
96.3%	49.0	49.1	0.1	0.1%
97.5%	49.0	48.8	-0.1	-0.2%
98.8%	47.1	47.9	0.8	1.7%
100.0%	46.9	47.4	0.5	1.0%

January

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative A Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	50.8	51.0	0.2	0.4%
1.3%	50.2	50.3	0.1	0.2%
2.5%	49.5	49.7	0.3	0.5%
3.8%	49.5	49.4	0.0	-0.1%
5.0%	49.4	49.4	0.0	0.0%
6.3%	49.3	49.3	0.0	0.0%
7.5%	49.3	49.3	0.0	0.0%
8.8%	49.3	49.3	0.0	0.1%
10.0%	49.3	49.3	0.0	0.1%
11.3%	49.1	49.0	0.0	-0.1%
12.5%	49.0	49.0	0.0	0.0%
13.8%	48.9	49.0	0.1	0.3%
15.0%	48.8	49.0	0.1	0.3%
16.3%	48.7	48.9	0.1	0.2%
17.5%	48.7	48.8	0.1	0.3%
18.8%	48.6	48.8	0.2	0.4%
20.0%	48.5	48.7	0.1	0.2%
21.3%	48.5	48.7	0.2	0.3%
22.5%	48.4	48.6	0.2	0.4%
23.8%	48.4	48.6	0.2	0.4%
25.0%	48.3	48.5	0.3	0.5%
26.3%	48.3	48.5	0.2	0.4%
27.5%	48.3	48.4	0.1	0.2%
28.8%	48.2	48.2	0.0	-0.1%
30.0%	48.2	48.2	0.0	0.0%
31.3%	48.2	48.2	0.0	0.1%
32.5%	48.1	48.1	0.0	0.1%
33.8%	48.1	48.1	0.0	0.1%
35.0%	48.1	48.1	0.0	0.0%
36.3%	48.0	48.0	0.0	0.0%
37.5%	48.0	48.0	0.0	0.1%
38.8%	47.9	48.0	0.0	0.1%
40.0%	47.9	47.9	0.0	0.0%
41.3%	47.8	47.8	0.0	0.0%
42.5%	47.8	47.8	0.0	0.1%
43.8%	47.6	47.8	0.2	0.3%
45.0%	47.5	47.7	0.1	0.3%
46.3%	47.4	47.6	0.2	0.3%
47.5%	47.4	47.4	0.0	0.1%
48.8%	47.3	47.4	0.0	0.1%
50.0%	47.3	47.3	0.0	0.0%
51.3%	47.3	47.3	0.0	0.1%
52.5%	47.3	47.3	0.0	0.0%
53.8%	47.2	47.3	0.1	0.1%
55.0%	47.2	47.3	0.1	0.1%
56.3%	47.2	47.3	0.1	0.1%
57.5%	47.2	47.3	0.0	0.1%
58.8%	47.2	47.2	0.0	0.0%
60.0%	47.1	47.2	0.0	0.1%
61.3%	47.1	47.1	0.0	0.0%
62.5%	47.0	47.1	0.0	0.1%
63.8%	47.0	47.0	0.0	0.0%
65.0%	47.0	47.0	0.0	0.0%
66.3%	47.0	47.0	0.0	0.0%
67.5%	47.0	47.0	0.0	-0.1%
68.8%	46.8	46.9	0.1	0.2%
70.0%	46.8	46.9	0.1	0.3%
71.3%	46.8	46.9	0.1	0.3%
72.5%	46.7	46.8	0.1	0.2%
73.8%	46.6	46.8	0.2	0.5%
75.0%	46.6	46.7	0.1	0.2%
76.3%	46.4	46.6	0.3	0.6%
77.5%	46.3	46.6	0.2	0.5%
78.8%	46.3	46.5	0.2	0.5%
80.0%	46.3	46.4	0.2	0.4%
81.3%	46.2	46.4	0.2	0.4%
82.5%	46.2	46.4	0.2	0.4%
83.8%	46.1	46.3	0.2	0.4%
85.0%	46.1	46.3	0.2	0.4%
86.3%	46.1	46.2	0.1	0.2%
87.5%	46.0	46.2	0.1	0.2%
88.8%	46.0	46.0	0.0	0.1%
90.0%	45.9	46.0	0.1	0.1%
91.3%	45.8	45.8	0.0	0.0%
92.5%	45.8	45.7	-0.1	-0.2%
93.8%	45.4	45.6	0.2	0.4%
95.0%	45.4	45.5	0.1	0.3%
96.3%	45.3	45.4	0.1	0.2%
97.5%	45.3	45.4	0.1	0.2%
98.8%	45.2	45.3	0.1	0.2%
100.0%	44.5	44.6	0.1	0.1%

Table SQ-**39**-1b
American River below Nimbus Dam, Monthly Temperature
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative A Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	51.0	50.8	-0.2	-0.4%
1.3%	50.8	50.7	-0.1	-0.1%
2.5%	50.4	50.5	0.1	0.1%
3.8%	50.4	50.5	0.1	0.2%
5.0%	50.2	50.4	0.2	0.4%
6.3%	50.2	50.3	0.1	0.2%
7.5%	50.1	50.3	0.2	0.3%
8.8%	49.9	50.1	0.3	0.6%
10.0%	49.8	50.1	0.3	0.5%
11.3%	49.7	50.0	0.3	0.5%
12.5%	49.7	49.9	0.2	0.4%
13.8%	49.7	49.9	0.2	0.4%
15.0%	49.7	49.9	0.3	0.5%
16.3%	49.6	49.9	0.2	0.5%
17.5%	49.6	49.8	0.2	0.5%
18.8%	49.6	49.8	0.2	0.4%
20.0%	49.5	49.7	0.2	0.4%
21.3%	49.2	49.5	0.2	0.4%
22.5%	49.2	49.3	0.1	0.2%
23.8%	49.2	49.2	0.0	0.1%
25.0%	49.2	49.2	0.1	0.2%
26.3%	49.1	49.2	0.1	0.2%
27.5%	49.1	49.1	0.0	0.1%
28.8%	49.1	49.1	0.0	0.1%
30.0%	49.0	49.0	0.0	0.0%
31.3%	49.0	48.9	0.0	-0.1%
32.5%	48.9	48.9	0.0	0.0%
33.8%	48.9	48.9	0.0	0.0%
35.0%	48.8	48.8	0.0	0.0%
36.3%	48.7	48.8	0.1	0.2%
37.5%	48.6	48.8	0.1	0.3%
38.8%	48.6	48.7	0.0	0.0%
40.0%	48.6	48.6	0.0	0.1%
41.3%	48.6	48.6	0.0	-0.1%
42.5%	48.5	48.5	0.0	-0.1%
43.8%	48.5	48.5	0.0	0.0%
45.0%	48.5	48.5	0.0	0.1%
46.3%	48.4	48.5	0.0	0.1%
47.5%	48.4	48.4	0.0	0.1%
48.8%	48.4	48.4	0.0	0.0%
50.0%	48.4	48.4	0.0	0.1%
51.3%	48.4	48.3	0.0	-0.1%
52.5%	48.3	48.3	0.0	-0.1%
53.8%	48.3	48.2	-0.1	-0.3%
55.0%	48.3	48.1	-0.2	-0.3%
56.3%	48.2	48.1	-0.1	-0.2%
57.5%	48.1	48.1	0.0	0.0%
58.8%	48.0	48.0	0.0	0.0%
60.0%	48.0	47.9	-0.1	-0.2%
61.3%	48.0	47.9	-0.1	-0.1%
62.5%	48.0	47.8	-0.1	-0.2%
63.8%	47.9	47.8	-0.1	-0.2%
65.0%	47.7	47.7	0.0	0.0%
66.3%	47.5	47.6	0.0	0.1%
67.5%	47.5	47.5	0.0	0.0%
68.8%	47.5	47.5	0.0	0.0%
70.0%	47.4	47.5	0.1	0.2%
71.3%	47.4	47.5	0.0	0.1%
72.5%	47.3	47.4	0.1	0.1%
73.8%	47.3	47.3	0.0	0.0%
75.0%	47.3	47.3	0.0	0.0%
76.3%	47.3	47.3	0.0	0.0%
77.5%	47.1	47.2	0.1	0.3%
78.8%	47.1	47.1	0.0	0.0%
80.0%	47.0	47.0	0.0	0.0%
81.3%	47.0	47.0	0.0	0.0%
82.5%	46.8	46.8	0.0	0.0%
83.8%	46.8	46.8	0.1	0.1%
85.0%	46.7	46.7	0.0	0.1%
86.3%	46.7	46.7	0.0	0.0%
87.5%	46.5	46.6	0.1	0.2%
88.8%	46.4	46.5	0.1	0.3%
90.0%	46.3	46.3	0.0	0.0%
91.3%	46.3	46.3	0.1	0.1%
92.5%	46.1	46.2	0.0	0.1%
93.8%	46.0	46.1	0.1	0.2%
95.0%	45.8	45.8	0.0	0.0%
96.3%	45.8	45.5	-0.4	-0.8%
97.5%	45.5	45.4	-0.1	-0.3%
98.8%	45.2	45.3	0.1	0.2%
100.0%	45.1	45.2	0.1	0.2%

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative A Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	54.1	55.3	1.2	2.1%
1.3%	54.1	54.7	0.6	1.1%
2.5%	54.0	54.2	0.2	0.3%
3.8%	53.3	53.3	0.1	0.2%
5.0%	53.2	53.2	0.1	0.1%
6.3%	53.0	53.0	0.0	0.1%
7.5%	52.9	53.0	0.1	0.2%
8.8%	52.8	53.0	0.2	0.3%
10.0%	52.4	52.7	0.2	0.4%
11.3%	52.3	52.5	0.1	0.3%
12.5%	52.3	52.5	0.2	0.3%
13.8%	52.3	52.3	0.0	0.1%
15.0%	52.2	52.2	0.0	0.1%
16.3%	52.1	52.1	0.0	0.0%
17.5%	52.0	52.0	0.0	0.1%
18.8%	51.9	52.0	0.0	0.1%
20.0%	51.9	51.9	0.0	-0.1%
21.3%	51.8	51.8	0.0	0.1%
22.5%	51.8	51.7	0.0	0.0%
23.8%	51.7	51.7	0.0	0.0%
25.0%	51.6	51.7	0.1	0.1%
26.3%	51.6	51.7	0.1	0.1%
27.5%	51.5	51.7	0.1	0.3%
28.8%	51.5	51.6	0.2	0.3%
30.0%	51.4	51.5	0.1	0.2%
31.3%	51.3	51.4	0.1	0.2%
32.5%	51.3	51.3	0.0	0.1%
33.8%	51.3	51.3	0.1	0.2%
35.0%	51.2	51.3	0.1	0.2%
36.3%	51.2	51.3	0.1	0.2%
37.5%	51.2	51.2	0.0	-0.1%
38.8%	51.2	51.2	0.0	-0.1%
40.0%	51.2	51.1	-0.1	-0.1%
41.3%	51.0	51.1	0.1	0.2%
42.5%	51.0	51.0	0.1	0.2%
43.8%	50.9	51.0	0.1	0.2%
45.0%	50.9	50.9	0.0	0.0%
46.3%	50.8	50.9	0.1	0.2%
47.5%	50.7	50.9	0.1	0.3%
48.8%	50.6	50.8	0.2	0.4%
50.0%	50.6	50.7	0.1	0.2%
51.3%	50.6	50.7	0.1	0.2%
52.5%	50.6	50.7	0.1	0.2%
53.8%	50.5	50.6	0.2	0.3%
55.0%	50.4	50.5	0.1	0.2%
56.3%	50.4	50.4	0.1	0.1%
57.5%	50.3	50.4	0.1	0.2%
58.8%	50.3	50.4	0.1	0.2%
60.0%	50.3	50.3	0.0	0.1%
61.3%	50.2	50.2	0.0	0.1%
62.5%	50.2	50.2	0.0	-0.1%
63.8%	50.2	50.2	0.0	0.0%
65.0%	50.1	50.2	0.0	0.1%
66.3%	50.1	50.1	0.1	0.1%
67.5%	50.0	50.1	0.1	0.2%
68.8%	49.9	50.0	0.1	0.1%
70.0%	49.9	50.0	0.1	0.2%
71.3%	49.7	50.0	0.3	0.6%
72.5%	49.7	49.9	0.2	0.4%
73.8%	49.7	49.9	0.2	0.4%
75.0%	49.7	49.8	0.1	0.2%
76.3%	49.6	49.6	0.0	0.1%
77.5%	49.5	49.6	0.0	0.1%
78.8%	49.5	49.6	0.1	0.1%
80.0%	49.5	49.6	0.0	0.1%
81.3%	49.5	49.3	-0.1	-0.3%
82.5%	49.4	49.3	-0.1	-0.2%
83.8%	49.2	49.2	0.0	0.1%
85.0%	49.1	49.2	0.1	0.1%
86.3%	49.1	49.1	0.0	-0.1%
87.5%	49.1	49.0	-0.1	-0.1%
88.8%	49.1	49.0	-0.1	-0.2%
90.0%	49.0	48.8	-0.2	-0.4%
91.3%	48.8	48.7	-0.2	-0.3%
92.5%	48.8	48.6	-0.2	-0.4%
93.8%	48.7	48.5	-0.3	-0.5%
95.0%	48.5	48.4	0.0	0.0%
96.3%	48.3	48.4	0.1	0.1%
97.5%	48.3	48.3	0.0	0.0%
98.8%	48.2	48.3	0.1	0.2%
100.0%	48.0	48.0	0.0	0.0%

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative A Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	59.8	60.5	0.7	1.2%
1.3%	59.1	58.4	-0.7	-1.1%
2.5%	56.9	57.1	0.3	0.5%
3.8%	56.8	57.0	0.2	0.4%
5.0%	56.7	56.7	0.0	0.1%
6.3%	56.4	56.3	-0.1	-0.1%
7.5%	56.1	56.1	0.0	-0.1%
8.8%	55.7	55.7	0.0	-0.1%
10.0%	55.5	55.6	0.2	0.3%
11.3%	55.3	55.5	0.2	0.4%
12.5%	55.3	55.3	0.0	0.0%
13.8%	55.3	55.3	0.0	0.0%
15.0%	55.3	55.3	0.1	0.1%
16.3%	55.2	55.3	0.1	0.1%
17.5%	55.2	55.3	0.1	0.2%
18.8%	55.1	55.3	0.2	0.3%
20.0%	55.0	55.2	0.2	0.4%
21.3%	54.9	55.1	0.2	0.4%
22.5%	54.8	55.1	0.3	0.6%
23.8%	54.7	55.0	0.3	0.6%
25.0%	54.7	55.0	0.4	0.7%
26.3%	54.5	55.0	0.4	0.8%
27.5%	54.5	54.9	0.4	0.7%
28.8%	54.4	54.7	0.3	0.6%
30.0%	54.3	54.6	0.3	0.5%
31.3%	54.3	54.6	0.2	0.4%
32.5%	54.3	54.4	0.1	0.2%
33.8%	54.2	54.3	0.1	0.2%
35.0%	54.2	54.3	0.0	0.0%
36.3%	54.2	54.2	0.0	0.1%
37.5%	53.9	54.2	0.4	0.7%
38.8%	53.8	54.0	0.2	0.4%
40.0%	53.8	54.0	0.2	0.4%
41.3%	53.7	53.9	0.2	0.3%
42.5%	53.5	53.8	0.3	0.5%
43.8%	53.5	53.8	0.3	0.5%
45.0%	53.5	53.6	0.1	0.2%
46.3%	53.5	53.6	0.1	0.2%
47.5%	53.5	53.6	0.1	0.2%
48.8%	53.4	53.6	0.1	0.3%
50.0%	53.4	53.5	0.1	0.3%
51.3%	53.4	53.4	0.1	0.1%
52.5%	53.3	53.4	0.1	0.2%
53.8%	53.3	53.4	0.1	0.2%
55.0%	53.2	53.3	0.1	0.1%
56.3%	53.2	53.2	0.0	0.0%
57.5%	53.1	53.2	0.1	0.2%
58.8%	53.1	53.2	0.1	0.2%
60.0%	53.0	53.2	0.1	0.3%
61.3%	53.0	53.1	0.1	0.2%
62.5%	52.9	53.0	0.1	0.2%
63.8%	52.8	52.9	0.1	0.2%
65.0%	52.8	52.9	0.1	0.1%
66.3%	52.8	52.9	0.1	0.1%
67.5%	52.7	52.7	0.0	0.1%
68.8%	52.7	52.7	0.0	0.1%
70.0%	52.7	52.7	0.0	0.1%
71.3%	52.6	52.7	0.1	0.2%
72.5%	52.5	52.7	0.1	0.2%
73.8%	52.5	52.6	0.1	0.2%
75.0%	52.5	52.5	0.1	0.1%
76.3%	52.3	52.5	0.1	0.2%
77.5%	52.3	52.4	0.2	0.3%
78.8%	52.3	52.3	0.1	0.1%
80.0%	52.2	52.3	0.1	0.2%
81.3%	52.2	52.2	0.0	0.0%
82.5%	52.2	52.1	-0.1	-0.2%
83.8%	52.1	52.1	0.0	0.0%
85.0%	52.0	51.8	-0.2	-0.4%
86.3%	51.8	51.8	-0.1	-0.1%
87.5%	51.8	51.8	0.0	0.0%
88.8%	51.7	51.6	0.0	-0.1%
90.0%	51.6	51.6	0.0	0.0%
91.3%	51.5	51.4	-0.1	-0.2%
92.5%	51.4	51.4	0.0	-0.1%
93.8%	51.3	51.4	0.1	0.2%
95.0%	51.2	51.2	0.0	0.0%
96.3%	51.2	50.9	-0.3	-0.5%
97.5%	51.0	50.8	-0.3	-0.5%
98.8%	50.9	50.7	-0.3	-0.5%
100.0%	50.6	50.5	-0.1	-0.2%

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative A Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	65.4	64.8	-0.6	-0.8%
1.3%	65.2	64.4	-0.8	-1.2%
2.5%	63.9	62.5	-1.4	-2.2%
3.8%	61.3	60.7	-0.6	-1.0%
5.0%	60.8	60.3	-0.5	-0.9%
6.3%	60.6	60.0	-0.6	-1.0%
7.5%	59.7	59.8	0.0	0.1%
8.8%	59.5	59.2	-0.3	-0.5%
10.0%	59.4	59.0	-0.4	-0.6%
11.3%	59.3	58.9	-0.4	-0.6%
12.5%	58.6	58.7	0.2	0.3%
13.8%	58.5	58.6	0.1	0.2%
15.0%	58.3	58.5	0.3	0.5%
16.3%	58.1	58.4	0.2	0.4%
17.5%	58.1	58.2	0.1	0.2%
18.8%	57.9	58.1	0.2	0.3%
20.0%	57.8	58.0	0.1	0.2%
21.3%	57.8	57.8	0.0	0.0%
22.5%	57.4	57.8	0.5	0.8%
23.8%	57.3	57.3	0.0	0.0%
25.0%	57.2	57.3	0.0	0.1%
26.3%	57.1	57.2	0.1	0.1%
27.5%	57.1	57.1	0.0	0.0%
28.8%	57.1	57.0	-0.1	-0.1%
30.0%	57.0	57.0	-0.1	-0.1%
31.3%	56.9	56.7	-0.3	-0.4%
32.5%	56.8	56.7	-0.1	-0.2%
33.8%	56.8	56.7	-0.1	-0.2%
35.0%	56.6	56.6	0.0	0.0%
36.3%	56.4	56.5	0.1	0.2%
37.5%	56.3	56.3	-0.1	-0.1%
38.8%	56.2	55.6	-0.6	-1.1%
40.0%	55.7	55.5	-0.2	-0.3%
41.3%	55.3	55.4	0.0	0.1%
42.5%	55.2	55.4	0.2	0.4%
43.8%	55.1	55.3	0.2	0.3%
45.0%	55.1	55.2	0.1	0.3%
46.3%	55.0	55.1	0.1	0.1%
47.5%	55.0	55.1	0.1	0.1%
48.8%	54.9	55.1	0.2	0.4%
50.0%	54.8	55.0	0.1	0.2%
51.3%	54.8	54.8	0.0	0.0%
52.5%	54.7	54.8	0.1	0.2%
53.8%	54.7	54.8	0.1	0.2%
55.0%	54.7	54.8	0.1	0.1%
56.3%	54.6	54.7	0.1	0.1%
57.5%	54.5	54.7	0.1	0.2%
58.8%	54.4	54.6	0.2	0.4%
60.0%	54.4	54.6	0.2	0.4%
61.3%	54.2	54.4	0.1	0.3%
62.5%	54.1	54.3	0.2	0.4%
63.8%	54.1	54.2	0.1	0.3%
65.0%	54.0	54.2	0.2	0.4%
66.3%	54.0	54.1	0.1	0.2%
67.5%	54.0	54.1	0.1	0.2%
68.8%	53.8	54.1	0.3	0.5%
70.0%	53.8	54.1	0.3	0.5%
71.3%	53.7	54.0	0.3	0.6%
72.5%	53.7	54.0	0.4	0.7%
73.8%	53.6	54.0	0.4	0.7%
75.0%	53.6	53.8	0.2	0.3%
76.3%	53.6	53.7	0.2	0.3%
77.5%	53.5	53.7	0.1	0.2%
78.8%	53.5	53.6	0.1	0.1%
80.0%	53.5	53.6	0.1	0.1%
81.3%	53.5	53.5	0.1	0.2%
82.5%	53.4	53.4	0.0	0.0%
83.8%	53.4	53.4	0.0	0.0%
85.0%	53.3	53.4	0.2	0.3%
86.3%	53.2	53.4	0.2	0.3%
87.5%	53.0	53.2	0.2	0.3%
88.8%	52.9	52.9	0.0	0.1%
90.0%	52.8	52.8	0.0	0.0%
91.3%	52.8	52.7	0.0	-0.1%
92.5%	52.7	52.6	-0.1	-0.2%
93.8%	52.6	52.6	0.0	0.1%
95.0%	52.5	52.5	-0.1	-0.2%
96.3%	52.3	52.2	-0.1	-0.2%
97.5%	52.2	52.1	-0.1	-0.2%
98.8%	52.1	51.5	-0.6	-1.2%
100.0%	51.4	51.3	-0.1	-0.3%

Table SQ-39-1b
American River below Nimbus Dam, Monthly Temperature
Probability of Exceedance

June					July					August					September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative A Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative A Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative A Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative A Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	69.5	69.5	-0.1	-0.1%	0.0%	76.1	78.4	2.3	3.1%	0.0%	76.7	75.6	-1.1	-1.5%	0.0%	72.5	72.0	-0.5	-0.7%
1.3%	67.8	68.2	0.4	0.6%	1.3%	69.5	70.1	0.7	1.0%	1.3%	72.8	70.4	-2.4	-3.3%	1.3%	71.5	71.4	0.0	0.0%
2.5%	67.2	68.0	0.8	1.2%	2.5%	69.2	70.1	0.9	1.3%	2.5%	71.4	70.0	-1.4	-2.0%	2.5%	70.8	69.0	-1.8	-2.6%
3.8%	66.0	66.6	0.5	0.8%	3.8%	67.8	68.6	0.9	1.3%	3.8%	68.7	68.2	-0.5	-0.8%	3.8%	68.7	68.4	-0.3	-0.4%
5.0%	64.6	63.1	-1.4	-2.2%	5.0%	67.5	65.8	-1.7	-2.5%	5.0%	68.3	66.7	-1.6	-2.3%	5.0%	67.5	68.4	0.9	1.3%
6.3%	62.8	62.0	-0.8	-1.3%	6.3%	66.7	65.6	-1.0	-1.6%	6.3%	67.8	66.7	-1.2	-1.7%	6.3%	67.4	66.3	-1.1	-1.6%
7.5%	62.4	61.7	-0.7	-1.2%	7.5%	65.5	65.3	-0.2	-0.3%	7.5%	65.7	66.6	0.9	1.4%	7.5%	66.4	66.1	-0.4	-0.5%
8.8%	62.0	61.3	-0.7	-1.1%	8.8%	64.2	65.1	0.8	1.3%	8.8%	65.5	65.8	0.3	0.5%	8.8%	66.3	65.1	-1.2	-1.8%
10.0%	61.7	61.1	-0.5	-0.9%	10.0%	63.9	64.9	1.1	1.7%	10.0%	65.2	65.4	0.2	0.2%	10.0%	66.2	65.1	-1.2	-1.8%
11.3%	61.2	61.0	-0.2	-0.3%	11.3%	63.9	64.0	0.2	0.3%	11.3%	65.0	64.3	-0.7	-1.0%	11.3%	65.5	65.0	-0.4	-0.7%
12.5%	61.0	60.8	-0.2	-0.3%	12.5%	63.8	63.8	0.1	0.1%	12.5%	64.2	64.1	-0.1	-0.1%	12.5%	65.0	64.9	-0.1	-0.1%
13.8%	61.0	60.8	-0.2	-0.4%	13.8%	63.6	63.8	0.2	0.3%	13.8%	64.0	63.9	-0.1	-0.1%	13.8%	64.9	64.8	-0.1	-0.2%
15.0%	60.9	60.8	-0.1	-0.2%	15.0%	63.3	63.4	0.2	0.2%	15.0%	63.9	63.7	-0.2	-0.3%	15.0%	64.6	64.6	0.1	0.1%
16.3%	60.8	60.8	0.0	0.0%	16.3%	63.1	63.1	0.0	0.0%	16.3%	63.8	63.6	-0.2	-0.3%	16.3%	64.2	64.5	0.3	0.5%
17.5%	60.7	60.7	0.0	0.0%	17.5%	63.0	63.0	0.0	0.1%	17.5%	63.8	63.4	-0.4	-0.6%	17.5%	63.3	64.0	0.7	1.1%
18.8%	60.7	60.7	-0.1	-0.1%	18.8%	63.0	62.8	-0.2	-0.3%	18.8%	63.6	63.4	-0.2	-0.4%	18.8%	63.3	63.8	0.5	0.9%
20.0%	60.6	60.6	0.0	0.1%	20.0%	62.7	62.5	-0.2	-0.3%	20.0%	63.4	63.4	0.0	0.0%	20.0%	63.1	63.2	0.1	0.2%
21.3%	60.6	60.6	0.0	0.0%	21.3%	62.4	62.1	-0.3	-0.5%	21.3%	63.3	63.3	0.0	0.0%	21.3%	63.0	63.2	0.2	0.3%
22.5%	60.5	60.4	0.0	-0.1%	22.5%	62.2	61.9	-0.3	-0.5%	22.5%	63.1	63.3	0.2	0.3%	22.5%	63.0	62.9	-0.1	-0.1%
23.8%	60.3	60.4	0.0	0.0%	23.8%	61.9	61.8	-0.1	-0.1%	23.8%	63.0	63.3	0.3	0.4%	23.8%	62.8	62.9	0.1	0.1%
25.0%	60.3	60.3	0.0	0.0%	25.0%	61.9	61.7	-0.2	-0.3%	25.0%	63.0	62.9	-0.1	-0.1%	25.0%	62.8	62.6	-0.2	-0.3%
26.3%	60.2	60.2	0.1	0.1%	26.3%	61.7	61.5	-0.1	-0.2%	26.3%	62.9	62.8	-0.1	-0.2%	26.3%	62.7	62.5	-0.2	-0.4%
27.5%	60.0	59.8	-0.3	-0.4%	27.5%	61.7	61.5	-0.2	-0.3%	27.5%	62.7	62.8	0.0	0.1%	27.5%	62.6	62.5	-0.1	-0.1%
28.8%	59.7	59.7	0.1	0.1%	28.8%	61.6	61.5	-0.1	-0.1%	28.8%	62.7	62.6	-0.1	-0.2%	28.8%	62.5	62.5	0.0	0.0%
30.0%	59.6	59.6	0.1	0.1%	30.0%	61.5	61.4	-0.1	-0.2%	30.0%	62.7	62.5	-0.1	-0.2%	30.0%	62.4	62.4	0.0	-0.1%
31.3%	59.4	59.6	0.2	0.3%	31.3%	61.5	61.3	-0.1	-0.2%	31.3%	62.6	62.4	-0.2	-0.4%	31.3%	62.3	62.4	0.0	0.1%
32.5%	59.4	59.5	0.1	0.2%	32.5%	61.4	61.3	-0.1	-0.2%	32.5%	62.4	62.4	0.0	0.0%	32.5%	62.3	62.4	0.0	0.1%
33.8%	59.0	59.1	0.1	0.1%	33.8%	61.4	61.3	-0.1	-0.1%	33.8%	62.4	62.4	0.0	0.0%	33.8%	62.2	62.4	0.1	0.2%
35.0%	58.9	58.9	0.0	-0.1%	35.0%	61.4	61.3	-0.1	-0.1%	35.0%	62.3	62.3	0.0	0.0%	35.0%	62.2	62.3	0.2	0.3%
36.3%	58.8	58.6	-0.1	-0.2%	36.3%	61.4	61.3	-0.1	-0.1%	36.3%	62.3	62.3	0.0	0.0%	36.3%	62.1	62.3	0.2	0.3%
37.5%	58.5	58.5	0.0	0.0%	37.5%	61.3	61.3	0.0	-0.1%	37.5%	62.1	62.3	0.2	0.3%	37.5%	62.1	62.3	0.2	0.3%
38.8%	58.5	58.4	-0.1	-0.1%	38.8%	61.3	61.0	-0.3	-0.5%	38.8%	62.1	62.2	0.1	0.1%	38.8%	62.1	62.3	0.2	0.3%
40.0%	58.3	58.2	-0.2	-0.3%	40.0%	61.3	61.0	-0.3	-0.5%	40.0%	62.0	62.2	0.2	0.3%	40.0%	62.1	62.2	0.2	0.3%
41.3%	58.3	58.1	-0.2	-0.3%	41.3%	61.3	60.9	-0.4	-0.6%	41.3%	62.0	62.1	0.2	0.3%	41.3%	61.9	62.1	0.2	0.3%
42.5%	58.2	58.0	-0.1	-0.2%	42.5%	61.2	60.9	-0.3	-0.5%	42.5%	61.9	62.1	0.2	0.3%	42.5%	61.9	62.1	0.2	0.3%
43.8%	57.9	57.9	0.0	-0.1%	43.8%	61.2	60.8	-0.3	-0.6%	43.8%	61.9	62.1	0.2	0.3%	43.8%	61.9	62.0	0.2	0.3%
45.0%	57.6	57.9	0.3	0.4%	45.0%	61.1	60.8	-0.3	-0.5%	45.0%	61.9	62.0	0.1	0.2%	45.0%	61.8	61.9	0.1	0.1%
46.3%	57.5	57.6	0.2	0.3%	46.3%	61.0	60.7	-0.3	-0.6%	46.3%	61.9	61.9	0.0	0.1%	46.3%	61.8	61.9	0.1	0.1%
47.5%	57.4	57.6	0.2	0.3%	47.5%	61.0	60.6	-0.4	-0.7%	47.5%	61.8	61.9	0.1	0.1%	47.5%	61.7	61.9	0.1	0.2%
48.8%	57.3	57.6	0.3	0.5%	48.8%	61.0	60.5	-0.4	-0.7%	48.8%	61.8	61.9	0.1	0.1%	48.8%	61.7	61.9	0.1	0.2%
50.0%	57.3	57.5	0.2	0.3%	50.0%	61.0	60.5	-0.4	-0.7%	50.0%	61.8	61.7	-0.1	-0.2%	50.0%	61.7	61.8	0.1	0.1%
51.3%	57.3	57.5	0.2	0.3%	51.3%	60.9	60.5	-0.4	-0.6%	51.3%	61.8	61.6	-0.1	-0.2%	51.3%	61.7	61.7	0.1	0.1%
52.5%	57.3	57.5	0.2	0.4%	52.5%	60.8	60.5	-0.3	-0.5%	52.5%	61.8	61.6	-0.2	-0.3%	52.5%	61.6	61.7	0.1	0.1%
53.8%	57.2	57.4	0.2	0.3%	53.8%	60.6	60.5	-0.1	-0.2%	53.8%	61.5	61.6	0.0	0.0%	53.8%	61.5	61.6	0.1	0.2%
55.0%	57.2	57.4	0.2	0.3%	55.0%	60.5	60.4	-0.1	-0.2%	55.0%	61.5	61.6	0.0	0.0%	55.0%	61.5	61.6	0.1	0.2%
56.3%	57.2	57.3	0.2	0.3%	56.3%	60.3	60.4	0.1	0.1%	56.3%	61.4	61.6	0.1	0.2%	56.3%	61.5	61.5	0.0	0.0%
57.5%	57.1	57.2	0.1	0.2%	57.5%	60.3	60.3	0.0	0.0%	57.5%	61.4	61.4	0.0	0.0%	57.5%	61.5	61.4	-0.1	-0.1%
58.8%	57.1	57.2	0.1	0.2%	58.8%	60.3	60.3	0.0	0.0%	58.8%	61.3	61.3	-0.1	-0.1%	58.8%	61.5	61.3	-0.2	-0.3%
60.0%	57.0	57.2	0.2	0.3%	60.0%	60.2	60.2	0.0	0.0%	60.0%	61.3	61.2	-0.1	-0.2%	60.0%	61.4	61.3	-0.1	-0.2%
61.3%	57.0	57.2	0.2	0.3%	61.3%	60.1	60.2	0.1	0.2%	61.3%	61.3	61.1	-0.2	-0.3%	61.3%	61.4	61.2	-0.2	-0.4%
62.5%	57.0	57.2	0.2	0.3%	62.5%	60.0	60.2	0.1	0.2%	62.5%	61.2	60.9	-0.3	-0.5%	62.5%	61.2	61.2	0.0	-0.1%
63.8%	56.8	57.1	0.3	0.4%	63.8%	60.0	60.1	0.1	0.2%	63.8%	61.2	60.9	-0.3	-0.5%	63.8%	61.1	61.0	-0.1	-0.1%
65.0%	56.8	57.0	0.2	0.4%	65.0%	60.0	60.1	0.1	0.2%	65.0%	61.2	60.8	-0.3	-0.6%	65.0%	61.0	61.0	-0.1	-0.2%
66.3%	56.8	57.0	0.3	0.5%	66.3%	59.9	60.0	0.1	0.1%	66.3%	61.1	60.8	-0.3	-0.6%	66.3%	60.9	60.9	0.0	0.0%
67.5%	56.7	57.0	0.3	0.5%	67.5%	59.9	60.0	0.1	0.1%	67.5%	61.1	60.8	-0.3	-0.6%	67.5%	60.7	60.8	0.1	0.1%
68.8%	56.7	56.9	0.2	0.4%	68.8%	59.9	60.0	0.1	0.1%	68.8%	61.1	60.7	-0.4	-0.6%	68.8%	60.7	60.8	0.1	0.2%
70.0%	56.6	56.9	0.3	0.4%	70.0%	59.9	59.9	0.0	0.1%	70.0%	60.9	60.7	-0.3	-0.4%	70.0%	60.7	60.7	0.0	0.1%
71.3%	56.6	56.9	0.3	0.5%	71.3%	59.8	59.9	0.0	0.1%	71.3%	60.8	60.6	-0.2	-0.3%	71.3%	60.6	60.6	0.0	-0.1%
72.5%	56.5	56.7	0.1	0.2%	72.5%	59.8	59.8	0.0	0.1%	72.5%	60.7	60.6	0.0	-0.1%	72.5%	60.6	60.5	-0.1	-0.2%
73.8%	56.4	56.7	0.3	0.5%	73.8%	59.7	59.8	0.1	0.1%	73.8%	60.7	60.6	-0.1	-0.1%	73.8%	60.6	60.4	-0.2	-0.3%
75.0%	56.3	56.5	0.3	0.5%	75.0%	59.7	59.8	0.1	0.1%	75.0%	60.6	60.5	-0.1	-0.2%	75.0%	60.6	60.4	-0.2	-0.3%
76.3%	56.2	56.3	0.1	0.2%	76.3%	59.7	59.6	-0.1	-0.2%	76.3%	60.6	60.3	-0.3	-0.4%	76.3%	60.6	60.3	-0.3	-0.5%
77.5%	56.1	56.3	0.2	0.3%	77.5%	59.6	59.6	0.0	0.0%	77.5%	60.6	60.3	-0.3	-0.5%	77.5%	60.5	60.3	-0.3	-0.4%
78.8%	56.1	56.3	0.2	0.3%	78.8%	59.4	59.4	0.0	0.0%	78.8%	60.5	60.2	-0.3	-0.4%	78.8%	60.3	60.2	-0.1	-0.2%
80.0%	56.0	56.2	0.2	0.3%	80.0%	59.3	59.3	0.0	0.0%	80.0%	60.4	60.0	-0.4	-0.7%	80.0%	60.3	60.2	-0.1	-0.2%
81.3%	55.9	56.0	0.0	0.1%	81.3%	59.3	59.3	-0.1	-0.2%	81.3%	60.2	60.0	-0.3	-0.4%	81.3%	60.3	60.2	-0.1	-0.2%
82.5%	55.9	56.0	0.1	0.1%	82.5%	59.3	59.2	-0.1	-0.2%	82.5%	60.1	59.9	-0.2	-0.3%	82.5%	60.2	60.1	-0.1	-0.1%
83.8%	55.9	56.0	0.1	0.1%	83.8%	59.3	59.2	-0.1	-0.2%	83.8%	60.0	59.9	-0.1	-0.2%	83.8%	60.2	60.0	-0.2	-0.3%
85.0%	55.8	55.9	0.0	0.1%	85.0%	59.2	59.1	-0.1	-0.2%	85.0%	59.9	59.9	0.0	0.0%	85.0%	60.1	59.9	-0.2	-0.3%
86.3%	55.8	55.8	0.1	0.2%	86.3%	59.1	59.1	0.0	-0.1%	86.3%	59.8	59.8	0.0	0.0%	86.3%	60.0	59.8	-0.2	-0.3%
87.5%	55.7	55.7	0.0	0.0%	87.5%	59.1	59.0	-0.1	-0.1%	87.5%	59.8	59.8	0.0	0.0%	87.5%	60.0	59.8	-0.2	-0.4%
88.8%	55.6	55.6	0.1	0.1%	88.8%	59.0	59.0	-0.1	-0.1%	88.8%	59.6	59.8	0.2	0.3%	88.8%	60.0	59.7	-0.3	-0.4%
90.0%	55.5	55.6	0.1	0.1%	90.0%	59.0	58.9	-0.1	-0.1%	90.0%	59.5	59.8	0.2	0.4%	90.0%	60.0	59.7	-0.3	-0.4%
91.3%	55.5	55.5	0.0	0.0%	91.3%	59.0	58.9	-0.1	-0.1%	91.3%	59.5	59.8	0.3	0.4%	91.3%	59.7	59.7	-0.1	-0.1%
92.5%	55.4	55.4	0.0	0.0%	92.5%	58.7	58.6	-0.1	-0.2%	92.5%	59.5	59.7	0.2	0.4%	92.5%	59.7	59.6	-0.1	-0.2%
93.8%	55.2	55.1	0.0	-0.1%	93.8%	58.6	58.5	0.0	-0.1%	93.8%	59.4	59.7	0.3	0.5%	93.8%	59.5	59.4	0.0	-0.1%
95.0%	55.1	55.1	0.0	0.0%	95.0%	58.4	58.3	-0.1	-0.1%	95.0%	59.2	59.7	0.5	0.8%	95.0%	59.4	59.3	-0.1	-0.2%
96.3%	54.6	54.6	0.0	0.0%	96.3%	57.7	57.7	0.0	-0.1%	96.3%	58.9	59.7	0.8	1.3%	96.3%	59.4	59.3	-0.1	-0.1%
97.5%	54.2	54.0	-0.2	-0.4%	97.5%	57.5	57.6	0.0	0.1%	97.5%	58.8	59.6	0.8	1.4%	97.5%	59.4	58.9	-0.5	-0.8%
98.8%	54.1	53.9	-0.2	-0.3%	98.8%	56.8	56.8	-0.1	-0.1%	98.8%	58.8	59.6	0.9	1.4%	98.8%	58.9	58.8	0.0	-0.1%
100.0%	53.6	53.9	0.3	0.5%	100.0%	56.3	56.6	0.3	0.6%	100.0%	58.7	59.4	0.7	1.2%	100.0%	58.0	58.1	0.2	0.3%

Table SQ **40**-1a
American River at Watt Avenue, Monthly Temperature
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
						Monthly Temperature (DEG-F)						
Long-term												
Full Simulation Period[1]												
No Action Alternative	61.4	56.0	50.7	47.5	48.9	52.6	56.0	58.6	61.6	64.4	65.7	64.9
Alternative A	61.0	55.7	50.4	47.5	49.0	52.9	56.3	58.7	61.8	64.6	65.4	64.8
Difference	-0.5	-0.3	-0.3	-0.1	0.2	0.3	0.2	0.1	0.2	0.2	-0.3	-0.1
Percent Difference[3]	-0.8%	-0.6%	-0.6%	-0.1%	0.3%	0.5%	0.4%	0.2%	0.4%	0.4%	-0.4%	-0.2%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	60.1	56.1	51.4	47.8	48.6	51.4	54.4	55.8	58.6	62.6	63.7	63.1
Alternative A	59.7	56.1	51.2	47.8	48.6	51.5	54.3	55.7	58.7	62.7	63.7	63.3
Difference	-0.4	-0.1	-0.2	0.0	0.0	0.1	0.0	0.0	0.1	0.2	0.0	0.1
Percent Difference	-0.6%	-0.2%	-0.4%	0.0%	0.1%	0.2%	-0.1%	-0.1%	0.1%	0.3%	0.0%	0.2%
Above Normal (15%)												
No Action Alternative	60.2	55.5	50.5	47.8	48.4	51.6	55.1	57.4	60.4	63.2	64.4	63.5
Alternative A	59.8	55.4	50.4	47.7	48.5	52.0	55.4	57.6	60.9	63.5	64.2	63.6
Difference	-0.5	-0.1	-0.1	-0.1	0.1	0.4	0.3	0.2	0.4	0.3	-0.2	0.1
Percent Difference	-0.8%	-0.1%	-0.2%	-0.1%	0.2%	0.8%	0.6%	0.4%	0.7%	0.5%	-0.3%	0.1%
Below Normal (17%)												
No Action Alternative	60.8	56.2	51.1	47.3	48.3	52.6	56.1	58.3	61.3	63.5	64.9	64.1
Alternative A	60.7	56.0	50.9	47.2	48.4	52.9	56.2	58.4	61.6	63.8	64.5	63.9
Difference	-0.1	-0.2	-0.2	-0.2	0.1	0.3	0.1	0.1	0.4	0.3	-0.4	-0.2
Percent Difference	-0.1%	-0.3%	-0.4%	-0.4%	0.2%	0.6%	0.1%	0.2%	0.6%	0.5%	-0.6%	-0.4%
Dry (22%)												
No Action Alternative	62.6	55.9	50.4	47.4	49.5	53.4	57.1	60.5	63.0	64.9	66.2	65.5
Alternative A	61.7	55.4	50.2	47.3	49.6	53.5	57.5	60.8	63.3	64.8	66.0	65.3
Difference	-0.9	-0.4	-0.2	-0.1	0.1	0.1	0.3	0.3	0.3	0.0	-0.3	-0.2
Percent Difference	-1.4%	-0.8%	-0.5%	-0.3%	0.3%	0.3%	0.6%	0.5%	0.5%	0.0%	-0.4%	-0.4%
Critical (15%)												
No Action Alternative	64.6	56.0	49.0	47.2	49.9	54.9	58.9	63.7	67.2	69.7	71.4	70.0
Alternative A	63.9	55.0	48.2	47.2	50.5	55.6	59.6	63.7	67.3	70.3	70.6	69.4
Difference	-0.7	-1.0	-0.8	0.0	0.5	0.7	0.7	0.0	0.1	0.6	-0.8	-0.5
Percent Difference	-1.1%	-1.8%	-1.6%	-0.1%	1.1%	1.2%	1.2%	0.0%	0.1%	0.8%	-1.1%	-0.7%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

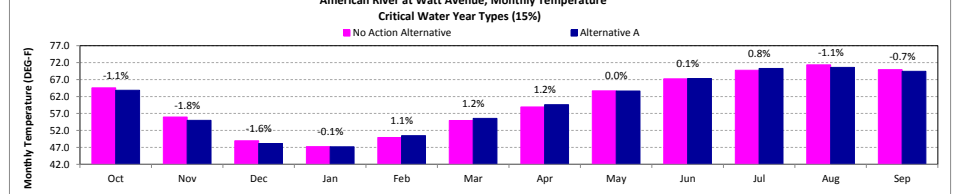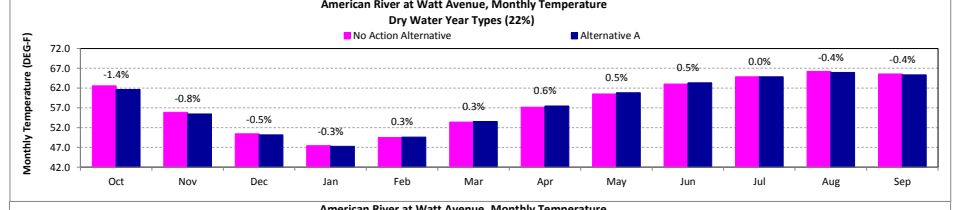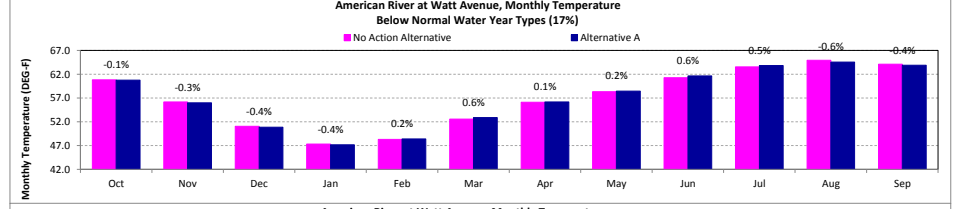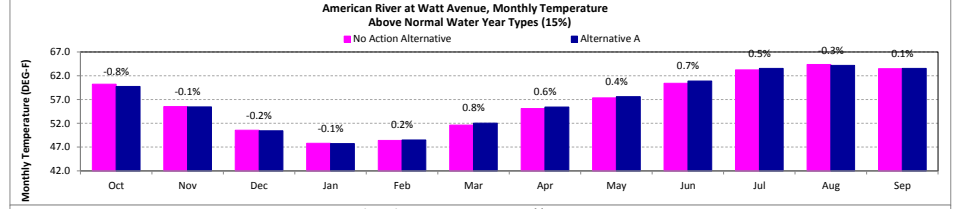3 Relative difference of the monthly average

American River at Watt Avenue, Monthly Temperature — Full Simulation Period

American River at Watt Avenue, Monthly Temperature — Wet Water Year Types (32%)

American River at Watt Avenue, Monthly Temperature — Above Normal Water Year Types (15%)

American River at Watt Avenue, Monthly Temperature — Below Normal Water Year Types (17%)

American River at Watt Avenue, Monthly Temperature — Dry Water Year Types (22%)

American River at Watt Avenue, Monthly Temperature — Critical Water Year Types (15%)
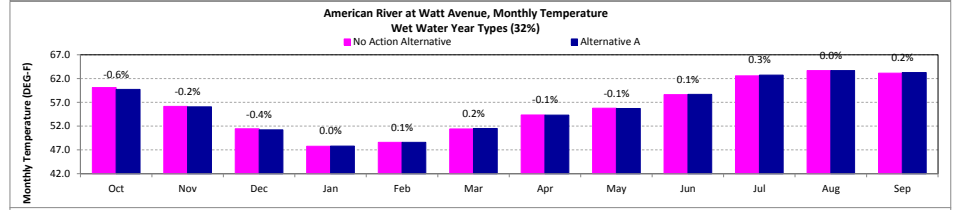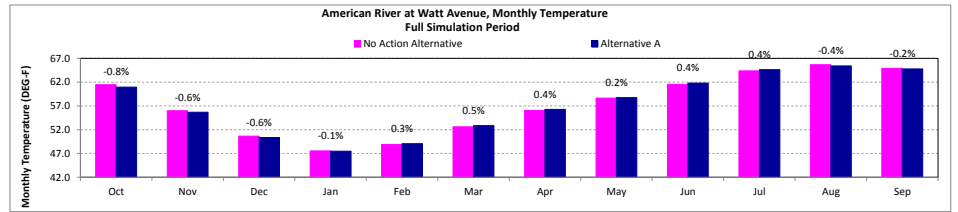
Figure SQ-40-1b
American River at Watt Avenue, Monthly Temperature
Probability of Exceedance

Table SQ-40-1b
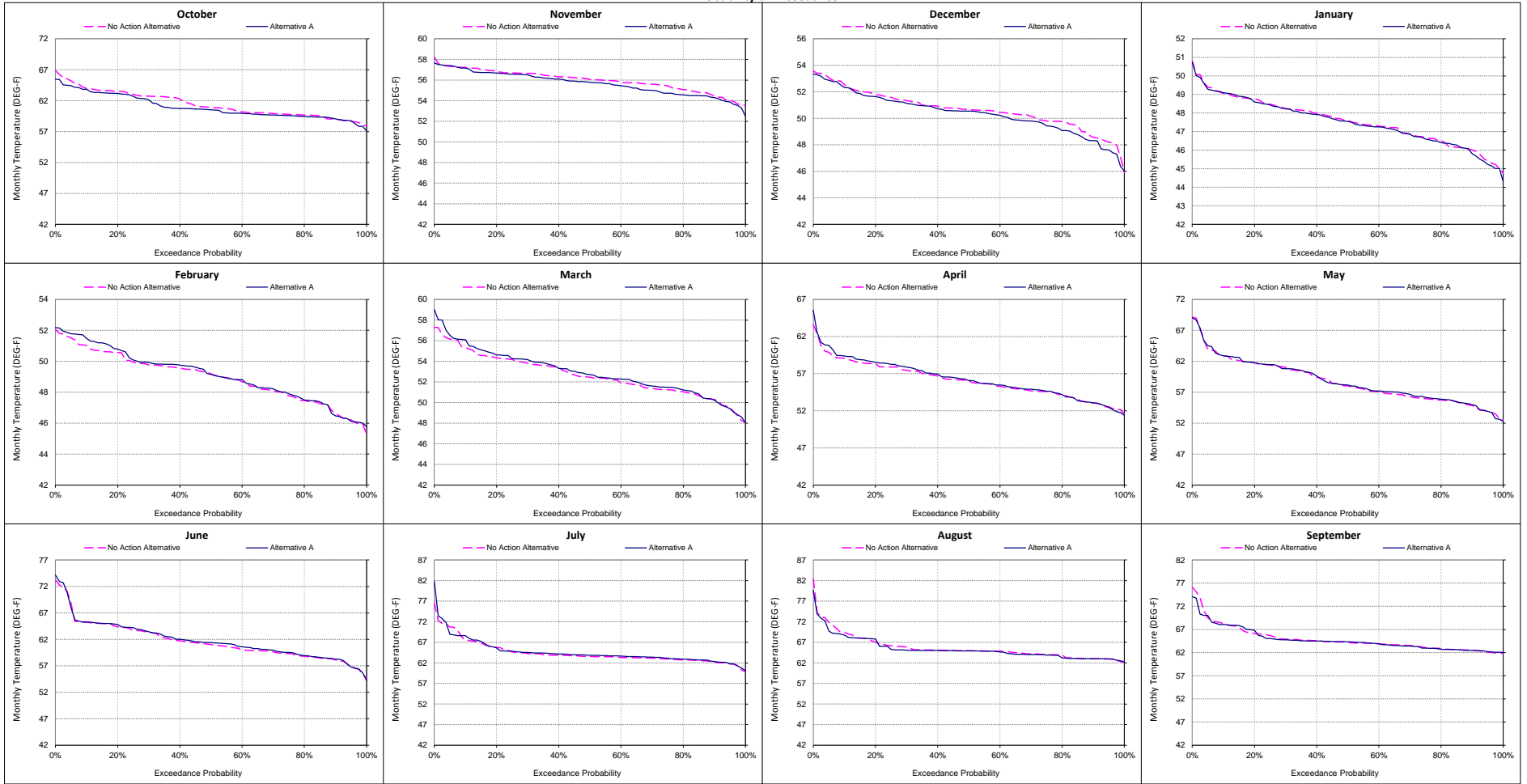### American River at Watt Avenue, Monthly Temperature
Probability of Exceedance

October

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative A Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	66.9	65.5	-1.4	-2.1%
1.3%	66.2	65.4	-0.8	-1.3%
2.5%	65.7	64.6	-1.2	-1.8%
3.8%	65.5	64.5	-1.0	-1.6%
5.0%	65.2	64.4	-0.8	-1.2%
6.3%	64.8	64.2	-0.6	-1.0%
7.5%	64.7	64.1	-0.5	-0.8%
8.8%	64.2	63.8	-0.4	-0.6%
10.0%	64.0	63.8	-0.2	-0.2%
11.3%	63.9	63.4	-0.5	-0.8%
12.5%	63.8	63.3	-0.5	-0.7%
13.8%	63.7	63.3	-0.4	-0.6%
15.0%	63.7	63.3	-0.4	-0.5%
16.3%	63.6	63.3	-0.4	-0.6%
17.5%	63.6	63.2	-0.4	-0.7%
18.8%	63.5	63.2	-0.4	-0.6%
20.0%	63.5	63.2	-0.4	-0.6%
21.3%	63.5	63.1	-0.4	-0.7%
22.5%	63.4	63.0	-0.4	-0.6%
23.8%	63.1	63.0	-0.2	-0.3%
25.0%	63.0	62.7	-0.3	-0.5%
26.3%	62.8	62.4	-0.4	-0.7%
27.5%	62.8	62.4	-0.4	-0.6%
28.8%	62.8	62.3	-0.4	-0.7%
30.0%	62.7	62.2	-0.6	-0.9%
31.3%	62.7	61.6	-1.1	-1.7%
32.5%	62.7	61.5	-1.2	-1.9%
33.8%	62.7	61.1	-1.5	-2.4%
35.0%	62.6	61.0	-1.7	-2.7%
36.3%	62.6	60.9	-1.7	-2.7%
37.5%	62.5	60.8	-1.8	-2.9%
38.8%	62.5	60.8	-1.7	-2.7%
40.0%	62.3	60.7	-1.6	-2.5%
41.3%	61.8	60.7	-1.1	-1.7%
42.5%	61.6	60.7	-0.9	-1.5%
43.8%	61.5	60.7	-0.8	-1.3%
45.0%	61.2	60.6	-0.5	-0.9%
46.3%	61.1	60.6	-0.4	-0.7%
47.5%	61.0	60.6	-0.4	-0.7%
48.8%	61.0	60.6	-0.4	-0.6%
50.0%	60.9	60.5	-0.4	-0.7%
51.3%	60.9	60.4	-0.4	-0.6%
52.5%	60.8	60.4	-0.4	-0.7%
53.8%	60.8	60.1	-0.7	-1.2%
55.0%	60.7	60.0	-0.7	-1.2%
56.3%	60.7	60.0	-0.7	-1.1%
57.5%	60.5	60.0	-0.5	-0.8%
58.8%	60.2	60.0	-0.3	-0.4%
60.0%	60.2	59.9	-0.3	-0.4%
61.3%	60.1	59.9	-0.2	-0.4%
62.5%	60.0	59.9	-0.2	-0.3%
63.8%	60.0	59.8	-0.2	-0.4%
65.0%	60.0	59.8	-0.3	-0.4%
66.3%	60.0	59.7	-0.3	-0.5%
67.5%	60.0	59.7	-0.3	-0.5%
68.8%	60.0	59.7	-0.3	-0.5%
70.0%	59.9	59.7	-0.2	-0.4%
71.3%	59.9	59.7	-0.2	-0.4%
72.5%	59.8	59.6	-0.2	-0.4%
73.8%	59.8	59.6	-0.2	-0.4%
75.0%	59.8	59.6	-0.2	-0.3%
76.3%	59.8	59.6	-0.2	-0.3%
77.5%	59.8	59.5	-0.2	-0.4%
78.8%	59.7	59.5	-0.2	-0.4%
80.0%	59.7	59.4	-0.2	-0.4%
81.3%	59.7	59.4	-0.2	-0.4%
82.5%	59.6	59.4	-0.3	-0.4%
83.8%	59.6	59.3	-0.3	-0.5%
85.0%	59.6	59.3	-0.2	-0.4%
86.3%	59.3	59.3	0.0	0.0%
87.5%	59.0	59.3	0.3	0.4%
88.8%	59.0	59.2	0.2	0.3%
90.0%	59.0	59.0	0.1	0.1%
91.3%	58.9	58.9	0.0	0.0%
92.5%	58.8	58.8	0.1	0.1%
93.8%	58.7	58.8	0.1	0.1%
95.0%	58.6	58.8	0.1	0.2%
96.3%	58.6	58.3	-0.3	-0.5%
97.5%	58.5	57.8	-0.6	-1.1%
98.8%	58.0	57.8	-0.2	-0.3%
100.0%	58.0	57.1	-0.8	-1.4%

November

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative A Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	58.2	57.7	-0.6	-1.0%
1.3%	57.6	57.5	-0.1	-0.1%
2.5%	57.5	57.5	0.0	0.0%
3.8%	57.4	57.4	0.0	0.1%
5.0%	57.3	57.4	0.1	0.1%
6.3%	57.3	57.4	0.1	0.1%
7.5%	57.3	57.2	0.0	0.0%
8.8%	57.2	57.2	-0.1	-0.1%
10.0%	57.2	57.2	-0.1	-0.1%
11.3%	57.2	57.1	-0.1	-0.2%
12.5%	57.2	56.8	-0.4	-0.6%
13.8%	57.1	56.8	-0.4	-0.7%
15.0%	57.0	56.7	-0.3	-0.5%
16.3%	57.0	56.7	-0.3	-0.5%
17.5%	56.9	56.7	-0.2	-0.4%
18.8%	56.9	56.7	-0.2	-0.4%
20.0%	56.8	56.7	-0.1	-0.2%
21.3%	56.8	56.7	-0.1	-0.2%
22.5%	56.7	56.6	-0.1	-0.1%
23.8%	56.7	56.6	-0.1	-0.2%
25.0%	56.7	56.6	-0.1	-0.2%
26.3%	56.7	56.5	-0.1	-0.2%
27.5%	56.7	56.5	-0.1	-0.2%
28.8%	56.7	56.5	-0.1	-0.2%
30.0%	56.7	56.5	-0.1	-0.2%
31.3%	56.6	56.4	-0.3	-0.5%
32.5%	56.6	56.3	-0.4	-0.6%
33.8%	56.6	56.3	-0.3	-0.6%
35.0%	56.5	56.2	-0.3	-0.5%
36.3%	56.4	56.2	-0.3	-0.5%
37.5%	56.4	56.2	-0.3	-0.4%
38.8%	56.4	56.1	-0.3	-0.5%
40.0%	56.3	56.1	-0.2	-0.4%
41.3%	56.3	56.0	-0.3	-0.5%
42.5%	56.3	55.9	-0.4	-0.6%
43.8%	56.3	55.9	-0.4	-0.6%
45.0%	56.2	55.9	-0.4	-0.6%
46.3%	56.2	55.9	-0.3	-0.6%
47.5%	56.2	55.8	-0.3	-0.6%
48.8%	56.2	55.8	-0.3	-0.6%
50.0%	56.0	55.8	-0.3	-0.5%
51.3%	56.0	55.8	-0.3	-0.5%
52.5%	56.0	55.7	-0.3	-0.5%
53.8%	56.0	55.7	-0.3	-0.5%
55.0%	56.0	55.7	-0.3	-0.5%
56.3%	56.0	55.7	-0.3	-0.5%
57.5%	55.9	55.5	-0.4	-0.8%
58.8%	55.9	55.5	-0.4	-0.7%
60.0%	55.8	55.5	-0.3	-0.5%
61.3%	55.7	55.4	-0.3	-0.6%
62.5%	55.7	55.4	-0.4	-0.7%
63.8%	55.7	55.2	-0.5	-0.9%
65.0%	55.7	55.2	-0.5	-0.9%
66.3%	55.7	55.1	-0.6	-1.1%
67.5%	55.6	55.0	-0.6	-1.1%
68.8%	55.6	55.0	-0.6	-1.1%
70.0%	55.6	55.0	-0.6	-1.1%
71.3%	55.6	55.0	-0.6	-1.1%
72.5%	55.5	54.8	-0.7	-1.2%
73.8%	55.5	54.7	-0.8	-1.4%
75.0%	55.5	54.7	-0.7	-1.3%
76.3%	55.3	54.7	-0.5	-1.0%
77.5%	55.2	54.6	-0.6	-1.1%
78.8%	55.1	54.6	-0.5	-1.0%
80.0%	55.1	54.6	-0.5	-0.9%
81.3%	55.1	54.5	-0.6	-1.0%
82.5%	55.0	54.5	-0.5	-0.8%
83.8%	54.9	54.5	-0.4	-0.7%
85.0%	54.8	54.5	-0.3	-0.5%
86.3%	54.8	54.5	-0.3	-0.6%
87.5%	54.8	54.5	-0.3	-0.5%
88.8%	54.6	54.3	-0.3	-0.5%
90.0%	54.5	54.3	-0.2	-0.3%
91.3%	54.3	54.2	-0.2	-0.3%
92.5%	54.3	54.0	-0.3	-0.5%
93.8%	54.1	53.9	-0.2	-0.3%
95.0%	54.1	53.9	-0.2	-0.3%
96.3%	53.9	53.6	-0.3	-0.5%
97.5%	53.7	53.5	-0.1	-0.2%
98.8%	53.6	53.3	-0.4	-0.7%
100.0%	53.5	52.5	-1.0	-1.9%

December

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative A Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	53.6	53.3	-0.2	-0.4%
1.3%	53.4	53.3	-0.1	-0.2%
2.5%	53.4	53.2	-0.2	-0.4%
3.8%	53.3	53.0	-0.3	-0.7%
5.0%	53.1	52.9	-0.2	-0.3%
6.3%	52.9	52.8	-0.1	-0.2%
7.5%	52.8	52.8	-0.1	-0.1%
8.8%	52.8	52.5	-0.3	-0.6%
10.0%	52.5	52.3	-0.2	-0.4%
11.3%	52.3	52.3	0.0	-0.1%
12.5%	52.2	52.2	-0.1	-0.1%
13.8%	52.1	51.9	-0.2	-0.4%
15.0%	52.1	51.9	-0.2	-0.4%
16.3%	52.0	51.7	-0.3	-0.5%
17.5%	52.0	51.7	-0.3	-0.6%
18.8%	51.9	51.7	-0.2	-0.5%
20.0%	51.8	51.6	-0.1	-0.3%
21.3%	51.8	51.6	-0.2	-0.3%
22.5%	51.7	51.5	-0.2	-0.4%
23.8%	51.6	51.3	-0.3	-0.6%
25.0%	51.6	51.3	-0.3	-0.5%
26.3%	51.5	51.3	-0.2	-0.3%
27.5%	51.4	51.3	-0.2	-0.3%
28.8%	51.4	51.2	-0.2	-0.4%
30.0%	51.3	51.1	-0.2	-0.4%
31.3%	51.3	51.1	-0.2	-0.4%
32.5%	51.2	51.0	-0.2	-0.3%
33.8%	51.2	51.0	-0.2	-0.4%
35.0%	51.0	51.0	0.0	-0.1%
36.3%	51.0	50.9	0.0	-0.1%
37.5%	51.0	50.9	0.0	-0.1%
38.8%	51.0	50.8	-0.1	-0.3%
40.0%	50.9	50.7	-0.2	-0.4%
41.3%	50.8	50.7	-0.1	-0.2%
42.5%	50.8	50.6	-0.2	-0.4%
43.8%	50.8	50.6	-0.2	-0.4%
45.0%	50.8	50.6	-0.2	-0.4%
46.3%	50.8	50.6	-0.2	-0.4%
47.5%	50.7	50.5	-0.2	-0.3%
48.8%	50.7	50.5	-0.1	-0.3%
50.0%	50.7	50.5	-0.1	-0.2%
51.3%	50.6	50.5	-0.1	-0.2%
52.5%	50.6	50.5	-0.1	-0.2%
53.8%	50.6	50.5	-0.2	-0.3%
55.0%	50.6	50.4	-0.2	-0.3%
56.3%	50.6	50.4	-0.2	-0.4%
57.5%	50.6	50.3	-0.3	-0.5%
58.8%	50.5	50.3	-0.2	-0.4%
60.0%	50.4	50.2	-0.2	-0.4%
61.3%	50.4	50.1	-0.3	-0.7%
62.5%	50.4	50.1	-0.3	-0.6%
63.8%	50.4	49.9	-0.4	-0.9%
65.0%	50.3	49.9	-0.4	-0.9%
66.3%	50.3	49.9	-0.4	-0.9%
67.5%	50.3	49.8	-0.4	-0.9%
68.8%	50.3	49.8	-0.4	-0.9%
70.0%	50.2	49.8	-0.4	-0.7%
71.3%	50.1	49.8	-0.3	-0.6%
72.5%	49.9	49.7	-0.2	-0.3%
73.8%	49.9	49.6	-0.2	-0.5%
75.0%	49.8	49.4	-0.4	-0.7%
76.3%	49.8	49.4	-0.4	-0.7%
77.5%	49.8	49.3	-0.4	-0.9%
78.8%	49.8	49.3	-0.5	-1.1%
80.0%	49.8	49.1	-0.7	-1.4%
81.3%	49.7	49.1	-0.6	-1.3%
82.5%	49.6	49.0	-0.5	-1.0%
83.8%	49.5	48.9	-0.7	-1.3%
85.0%	49.4	48.8	-0.7	-1.4%
86.3%	49.0	48.6	-0.4	-0.8%
87.5%	49.0	48.4	-0.6	-1.1%
88.8%	48.7	48.3	-0.4	-0.8%
90.0%	48.6	48.3	-0.3	-0.5%
91.3%	48.5	48.3	-0.2	-0.4%
92.5%	48.4	47.7	-0.7	-1.5%
93.8%	48.3	47.6	-0.7	-1.4%
95.0%	48.2	47.6	-0.6	-1.2%
96.3%	48.1	47.4	-0.7	-1.5%
97.5%	48.0	47.3	-0.7	-1.4%
98.8%	47.1	46.4	-0.7	-1.5%
100.0%	45.9	46.0	0.1	0.2%

January

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative A Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	50.8	50.7	-0.1	-0.2%
1.3%	50.1	50.0	-0.1	-0.2%
2.5%	50.1	49.9	-0.2	-0.3%
3.8%	49.6	49.6	0.0	-0.1%
5.0%	49.4	49.3	-0.1	-0.2%
6.3%	49.4	49.2	-0.1	-0.3%
7.5%	49.2	49.2	0.0	-0.1%
8.8%	49.1	49.2	0.0	0.1%
10.0%	49.1	49.1	0.0	0.1%
11.3%	49.0	49.1	0.0	0.0%
12.5%	49.0	49.0	0.1	0.2%
13.8%	48.9	49.0	0.1	0.2%
15.0%	48.8	48.9	0.1	0.2%
16.3%	48.8	48.9	0.1	0.1%
17.5%	48.8	48.8	0.0	0.1%
18.8%	48.8	48.8	0.0	0.0%
20.0%	48.8	48.6	-0.2	-0.4%
21.3%	48.7	48.6	-0.2	-0.3%
22.5%	48.6	48.5	-0.1	-0.1%
23.8%	48.5	48.5	0.0	-0.1%
25.0%	48.5	48.4	0.0	-0.1%
26.3%	48.4	48.4	-0.1	-0.1%
27.5%	48.3	48.3	0.0	0.0%
28.8%	48.3	48.3	-0.1	-0.1%
30.0%	48.2	48.3	0.0	0.1%
31.3%	48.2	48.2	0.0	0.0%
32.5%	48.2	48.1	-0.1	-0.2%
33.8%	48.2	48.1	-0.1	-0.1%
35.0%	48.2	48.0	-0.1	-0.3%
36.3%	48.1	48.0	-0.1	-0.2%
37.5%	48.1	48.0	-0.2	-0.3%
38.8%	48.0	47.9	-0.1	-0.2%
40.0%	48.0	47.9	-0.1	-0.2%
41.3%	48.0	47.9	0.0	-0.1%
42.5%	47.9	47.8	-0.1	-0.2%
43.8%	47.8	47.8	-0.1	-0.1%
45.0%	47.8	47.7	-0.1	-0.3%
46.3%	47.7	47.6	-0.1	-0.1%
47.5%	47.7	47.6	-0.1	-0.3%
48.8%	47.6	47.6	0.0	-0.1%
50.0%	47.6	47.5	-0.1	-0.1%
51.3%	47.5	47.5	0.0	0.0%
52.5%	47.5	47.4	-0.1	-0.2%
53.8%	47.4	47.3	-0.1	-0.1%
55.0%	47.4	47.3	-0.1	-0.1%
56.3%	47.4	47.3	-0.1	-0.1%
57.5%	47.3	47.3	-0.1	-0.1%
58.8%	47.3	47.3	-0.1	-0.2%
60.0%	47.3	47.3	0.0	-0.1%
61.3%	47.3	47.2	0.0	-0.1%
62.5%	47.3	47.2	-0.1	-0.2%
63.8%	47.2	47.2	-0.1	-0.1%
65.0%	47.2	47.1	-0.1	-0.2%
66.3%	47.2	47.0	-0.1	-0.3%
67.5%	46.9	46.9	0.0	0.0%
68.8%	46.9	46.9	0.0	0.1%
70.0%	46.9	46.8	0.0	-0.1%
71.3%	46.8	46.7	-0.1	-0.1%
72.5%	46.7	46.7	0.0	0.0%
73.8%	46.7	46.7	0.0	-0.1%
75.0%	46.7	46.6	-0.1	-0.2%
76.3%	46.6	46.5	-0.1	-0.2%
77.5%	46.6	46.5	-0.1	-0.3%
78.8%	46.6	46.5	-0.1	-0.2%
80.0%	46.5	46.4	-0.1	-0.3%
81.3%	46.4	46.4	0.0	-0.1%
82.5%	46.2	46.4	0.2	0.4%
83.8%	46.2	46.3	0.1	0.3%
85.0%	46.2	46.3	0.1	0.3%
86.3%	46.2	46.1	0.0	0.0%
87.5%	46.1	46.1	0.0	0.0%
88.8%	46.1	46.1	0.0	0.0%
90.0%	46.0	45.8	-0.2	-0.5%
91.3%	45.9	45.7	-0.3	-0.6%
92.5%	45.8	45.5	-0.3	-0.6%
93.8%	45.5	45.4	-0.1	-0.3%
95.0%	45.4	45.2	-0.2	-0.4%
96.3%	45.3	45.1	-0.2	-0.4%
97.5%	45.2	45.0	-0.2	-0.5%
98.8%	45.0	45.0	0.0	0.0%
100.0%	44.8	44.3	-0.5	-1.1%

Table SQ-**40**-1b
American River at Watt Avenue, Monthly Temperature
Probability of Exceedance

Percent Exceedance Probability (%)	February No Action Alternative Monthly Temperature (DEG-F)	February Alternative A Monthly Temperature (DEG-F)	February Absolute Difference (DEG-F)	February Relative Difference (%)	March No Action Alternative Monthly Temperature (DEG-F)	March Alternative A Monthly Temperature (DEG-F)	March Absolute Difference (DEG-F)	March Relative Difference (%)	April No Action Alternative Monthly Temperature (DEG-F)	April Alternative A Monthly Temperature (DEG-F)	April Absolute Difference (DEG-F)	April Relative Difference (%)	May No Action Alternative Monthly Temperature (DEG-F)	May Alternative A Monthly Temperature (DEG-F)	May Absolute Difference (DEG-F)	May Relative Difference (%)
0.0%	52.1	52.2	0.1	0.2%	57.3	59.0	1.7	3.0%	63.6	65.5	1.9	3.1%	69.1	69.1	-0.1	-0.1%
1.3%	51.8	52.1	0.3	0.7%	57.3	58.0	0.8	1.3%	62.4	62.6	0.2	0.4%	69.0	68.7	-0.3	-0.4%
2.5%	51.8	52.0	0.2	0.4%	56.6	58.0	1.4	2.5%	60.8	61.2	0.5	0.8%	67.2	67.3	0.1	0.2%
3.8%	51.6	51.9	0.2	0.5%	56.3	57.0	0.8	1.3%	60.0	60.9	0.9	1.4%	65.5	65.3	-0.2	-0.3%
5.0%	51.5	51.8	0.3	0.5%	56.2	56.5	0.4	0.7%	59.9	60.8	0.9	1.6%	63.9	64.5	0.7	1.0%
6.3%	51.4	51.8	0.4	0.7%	56.1	56.2	0.1	0.2%	59.4	60.2	0.8	1.4%	63.8	64.4	0.5	0.8%
7.5%	51.1	51.7	0.6	1.3%	56.0	56.1	0.1	0.2%	59.2	59.5	0.3	0.5%	63.6	63.3	-0.3	-0.5%
8.8%	51.1	51.7	0.6	1.3%	55.4	56.1	0.7	1.3%	59.1	59.4	0.3	0.5%	63.0	63.1	0.1	0.2%
10.0%	51.0	51.5	0.5	0.9%	55.3	56.1	0.8	1.4%	59.1	59.4	0.3	0.5%	62.9	62.9	0.0	0.0%
11.3%	50.8	51.3	0.5	1.0%	55.2	55.5	0.3	0.5%	58.9	59.3	0.4	0.7%	62.8	62.8	0.0	0.0%
12.5%	50.7	51.3	0.5	1.1%	55.0	55.4	0.4	0.7%	58.8	59.3	0.5	0.9%	62.3	62.8	0.4	0.7%
13.8%	50.7	51.2	0.5	1.0%	54.7	55.3	0.6	1.1%	58.6	59.0	0.4	0.6%	62.3	62.7	0.4	0.6%
15.0%	50.6	51.2	0.6	1.1%	54.6	55.1	0.5	1.0%	58.6	58.9	0.3	0.5%	62.1	62.6	0.5	0.9%
16.3%	50.6	51.1	0.5	1.0%	54.6	55.0	0.4	0.8%	58.4	58.8	0.5	0.8%	62.0	62.0	0.0	0.0%
17.5%	50.6	51.0	0.4	0.8%	54.5	54.9	0.4	0.8%	58.4	58.7	0.4	0.6%	61.9	61.9	0.0	0.0%
18.8%	50.6	50.8	0.3	0.5%	54.4	54.8	0.4	0.7%	58.4	58.6	0.3	0.4%	61.9	61.8	0.0	0.0%
20.0%	50.6	50.8	0.2	0.4%	54.3	54.6	0.3	0.5%	58.4	58.5	0.2	0.3%	61.8	61.8	0.0	0.0%
21.3%	50.5	50.7	0.2	0.3%	54.3	54.6	0.3	0.6%	57.9	58.5	0.5	0.9%	61.6	61.6	0.1	0.1%
22.5%	50.1	50.6	0.5	1.1%	54.3	54.6	0.3	0.6%	57.9	58.4	0.5	0.9%	61.5	61.5	0.0	0.0%
23.8%	50.0	50.2	0.2	0.3%	54.2	54.6	0.4	0.6%	57.9	58.4	0.5	0.8%	61.5	61.5	0.0	0.0%
25.0%	50.0	50.1	0.1	0.3%	54.2	54.3	0.1	0.1%	57.9	58.3	0.4	0.6%	61.4	61.5	0.1	0.2%
26.3%	49.9	50.0	0.1	0.3%	54.0	54.2	0.2	0.4%	57.9	58.2	0.3	0.6%	61.3	61.5	0.2	0.3%
27.5%	49.9	49.9	0.1	0.2%	54.0	54.2	0.3	0.5%	57.9	58.0	0.2	0.3%	61.2	61.3	0.1	0.1%
28.8%	49.8	49.9	0.1	0.2%	53.9	54.2	0.3	0.6%	57.5	58.0	0.5	0.8%	61.1	60.9	-0.3	-0.4%
30.0%	49.8	49.9	0.2	0.3%	53.8	54.2	0.4	0.7%	57.5	57.9	0.4	0.7%	61.0	60.8	-0.2	-0.4%
31.3%	49.8	49.9	0.1	0.2%	53.7	54.0	0.3	0.6%	57.3	57.8	0.5	0.8%	60.6	60.8	0.1	0.2%
32.5%	49.8	49.8	0.1	0.1%	53.7	53.9	0.2	0.4%	57.3	57.7	0.3	0.6%	60.6	60.7	0.1	0.2%
33.8%	49.7	49.8	0.1	0.2%	53.6	53.9	0.3	0.5%	57.3	57.5	0.1	0.3%	60.5	60.7	0.2	0.2%
35.0%	49.7	49.8	0.1	0.2%	53.6	53.9	0.3	0.5%	57.0	57.4	0.4	0.7%	60.4	60.6	0.1	0.2%
36.3%	49.6	49.8	0.2	0.3%	53.6	53.8	0.2	0.3%	57.0	57.1	0.1	0.2%	60.2	60.4	0.1	0.2%
37.5%	49.6	49.8	0.2	0.3%	53.5	53.7	0.2	0.3%	56.9	57.1	0.2	0.4%	60.2	60.2	0.0	0.0%
38.8%	49.6	49.8	0.2	0.4%	53.5	53.6	0.1	0.2%	56.8	57.0	0.2	0.3%	59.6	60.1	0.5	0.8%
40.0%	49.6	49.8	0.2	0.4%	53.4	53.3	-0.1	-0.2%	56.7	56.9	0.2	0.4%	59.4	59.6	0.2	0.4%
41.3%	49.5	49.7	0.2	0.4%	53.1	53.3	0.2	0.3%	56.5	56.6	0.1	0.2%	59.3	59.2	-0.1	-0.1%
42.5%	49.5	49.7	0.2	0.4%	53.0	53.3	0.3	0.5%	56.3	56.6	0.3	0.5%	59.2	58.8	-0.4	-0.6%
43.8%	49.5	49.7	0.2	0.4%	52.8	53.0	0.3	0.5%	56.3	56.5	0.3	0.5%	59.0	58.5	-0.5	-0.8%
45.0%	49.5	49.6	0.2	0.3%	52.7	53.0	0.3	0.6%	56.2	56.5	0.3	0.5%	58.4	58.5	0.0	0.0%
46.3%	49.4	49.5	0.2	0.3%	52.5	52.9	0.4	0.7%	56.2	56.4	0.2	0.4%	58.4	58.4	0.0	0.0%
47.5%	49.3	49.5	0.2	0.3%	52.5	52.9	0.4	0.7%	56.2	56.3	0.2	0.3%	58.3	58.2	-0.1	-0.2%
48.8%	49.3	49.2	-0.1	-0.2%	52.5	52.8	0.3	0.5%	56.1	56.3	0.2	0.3%	58.0	58.2	0.2	0.3%
50.0%	49.2	49.2	0.0	-0.1%	52.5	52.7	0.3	0.5%	56.0	56.1	0.0	0.1%	58.0	58.2	0.1	0.2%
51.3%	49.1	49.1	0.0	-0.1%	52.4	52.6	0.3	0.5%	55.8	56.0	0.3	0.5%	57.8	58.0	0.2	0.3%
52.5%	49.0	49.0	0.0	0.0%	52.4	52.5	0.1	0.2%	55.7	55.9	0.1	0.3%	57.8	58.0	0.2	0.4%
53.8%	49.0	49.0	0.0	0.0%	52.4	52.5	0.1	0.2%	55.7	55.7	0.0	0.1%	57.6	57.7	0.1	0.2%
55.0%	48.9	48.9	0.0	-0.1%	52.3	52.4	0.1	0.1%	55.7	55.7	0.0	0.0%	57.5	57.7	0.2	0.3%
56.3%	48.9	48.9	0.0	-0.1%	52.3	52.4	0.1	0.2%	55.6	55.7	0.0	0.1%	57.3	57.5	0.3	0.5%
57.5%	48.8	48.8	0.0	0.0%	52.2	52.3	0.1	0.2%	55.5	55.7	0.1	0.2%	57.2	57.3	0.1	0.2%
58.8%	48.8	48.8	0.0	0.1%	52.2	52.3	0.1	0.2%	55.3	55.5	0.1	0.3%	57.1	57.2	0.1	0.2%
60.0%	48.7	48.8	0.1	0.3%	51.9	52.3	0.4	0.7%	55.3	55.5	0.2	0.3%	57.0	57.2	0.2	0.3%
61.3%	48.6	48.6	0.0	0.0%	51.9	52.3	0.4	0.7%	55.2	55.4	0.3	0.5%	56.9	57.2	0.3	0.4%
62.5%	48.4	48.5	0.1	0.3%	51.8	52.2	0.4	0.8%	55.2	55.3	0.1	0.2%	56.8	57.1	0.3	0.5%
63.8%	48.4	48.5	0.1	0.2%	51.8	52.1	0.3	0.6%	55.0	55.2	0.2	0.3%	56.8	57.1	0.3	0.5%
65.0%	48.4	48.3	-0.1	-0.1%	51.7	52.0	0.3	0.6%	55.0	55.1	0.2	0.3%	56.7	57.0	0.3	0.5%
66.3%	48.2	48.3	0.1	0.2%	51.7	51.9	0.2	0.4%	54.9	55.0	0.1	0.1%	56.6	57.0	0.4	0.7%
67.5%	48.2	48.3	0.1	0.2%	51.4	51.7	0.3	0.6%	54.9	55.0	0.1	0.2%	56.6	56.9	0.3	0.5%
68.8%	48.2	48.3	0.1	0.2%	51.4	51.7	0.3	0.5%	54.8	54.9	0.1	0.3%	56.3	56.8	0.5	0.8%
70.0%	48.1	48.2	0.1	0.2%	51.4	51.6	0.2	0.4%	54.7	54.9	0.2	0.4%	56.3	56.7	0.4	0.6%
71.3%	48.0	48.1	0.1	0.1%	51.3	51.6	0.3	0.5%	54.6	54.8	0.2	0.4%	56.2	56.4	0.2	0.4%
72.5%	48.0	48.0	0.0	0.0%	51.3	51.5	0.2	0.5%	54.6	54.8	0.2	0.4%	56.1	56.3	0.3	0.4%
73.8%	47.9	48.0	0.1	0.2%	51.3	51.5	0.2	0.4%	54.6	54.7	0.2	0.3%	56.0	56.3	0.3	0.6%
75.0%	47.8	47.9	0.1	0.3%	51.2	51.5	0.2	0.4%	54.6	54.6	0.1	0.1%	56.0	56.2	0.2	0.3%
76.3%	47.7	47.8	0.1	0.2%	51.2	51.5	0.2	0.4%	54.6	54.6	0.1	0.1%	55.9	56.1	0.2	0.3%
77.5%	47.6	47.7	0.1	0.3%	51.2	51.4	0.3	0.5%	54.4	54.4	0.0	0.0%	55.8	56.0	0.1	0.3%
78.8%	47.5	47.6	0.2	0.3%	51.1	51.3	0.2	0.5%	54.2	54.4	0.2	0.3%	55.8	56.0	0.2	0.4%
80.0%	47.5	47.5	0.0	0.1%	51.0	51.2	0.2	0.4%	54.1	54.2	0.0	0.1%	55.8	55.8	0.1	0.2%
81.3%	47.4	47.5	0.1	0.1%	50.9	51.1	0.2	0.4%	54.0	53.9	-0.2	-0.3%	55.7	55.8	0.2	0.3%
82.5%	47.4	47.5	0.1	0.1%	50.9	51.1	0.2	0.4%	53.8	53.8	0.0	0.0%	55.6	55.8	0.1	0.2%
83.8%	47.4	47.4	0.1	0.1%	50.8	50.9	0.1	0.2%	53.7	53.7	0.0	0.0%	55.6	55.6	0.0	0.1%
85.0%	47.3	47.4	0.1	0.2%	50.7	50.8	0.2	0.4%	53.5	53.3	-0.2	-0.4%	55.5	55.4	-0.1	-0.2%
86.3%	47.2	47.2	0.0	0.1%	50.5	50.5	-0.1	-0.1%	53.3	53.3	0.0	-0.1%	55.2	55.3	0.1	0.1%
87.5%	47.2	47.2	0.0	0.1%	50.4	50.4	0.0	0.1%	53.2	53.2	0.0	0.0%	55.2	55.3	0.1	0.2%
88.8%	46.8	46.5	-0.2	-0.4%	50.4	50.4	0.0	0.0%	53.1	53.2	0.1	0.2%	54.9	55.2	0.2	0.4%
90.0%	46.6	46.5	-0.1	-0.3%	50.3	50.2	0.0	-0.1%	53.1	53.1	0.0	0.0%	54.9	55.0	0.1	0.2%
91.3%	46.5	46.4	-0.1	-0.1%	50.2	50.0	-0.3	-0.5%	53.0	53.0	0.0	0.1%	54.4	54.8	0.4	0.8%
92.5%	46.3	46.3	0.0	0.0%	49.7	49.7	0.0	0.0%	52.8	52.9	0.0	0.1%	54.2	54.1	-0.1	-0.1%
93.8%	46.3	46.3	0.0	0.0%	49.7	49.6	-0.1	-0.2%	52.6	52.7	0.1	0.2%	54.0	54.1	0.1	0.1%
95.0%	46.2	46.1	-0.1	-0.2%	49.5	49.4	-0.1	-0.2%	52.5	52.5	-0.1	-0.2%	53.9	53.9	0.0	0.0%
96.3%	46.0	46.1	0.0	0.1%	49.1	49.0	-0.1	-0.1%	52.3	52.2	-0.2	-0.3%	53.7	53.7	0.0	0.0%
97.5%	46.0	46.0	0.1	0.2%	48.7	48.8	0.1	0.2%	52.2	51.9	-0.3	-0.7%	53.5	52.7	-0.8	-1.4%
98.8%	45.9	46.0	0.1	0.2%	48.3	48.6	0.4	0.8%	52.2	51.8	-0.4	-0.8%	52.7	52.6	-0.1	-0.2%
100.0%	45.3	45.8	0.5	1.0%	48.1	48.1	0.0	0.0%	51.5	51.4	-0.1	-0.2%	52.5	52.3	-0.2	-0.4%

Table SQ-**40**-1b
American River at Watt Avenue, Monthly Temperature
Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative A Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	73.2	74.2	0.9	1.3%
1.3%	72.3	72.9	0.7	0.9%
2.5%	71.8	72.7	0.8	1.2%
3.8%	71.1	70.9	-0.2	-0.3%
5.0%	68.8	67.9	-0.9	-1.3%
6.3%	65.4	65.7	0.3	0.5%
7.5%	65.4	65.4	0.1	0.1%
8.8%	65.3	65.2	-0.1	-0.2%
10.0%	65.3	65.2	-0.1	-0.1%
11.3%	65.1	65.2	0.1	0.2%
12.5%	65.1	65.1	0.1	0.1%
13.8%	65.0	65.0	0.0	0.0%
15.0%	65.0	65.0	0.0	0.0%
16.3%	65.0	65.0	0.0	0.1%
17.5%	64.9	65.0	0.0	0.1%
18.8%	64.6	64.9	0.3	0.5%
20.0%	64.4	64.8	0.4	0.7%
21.3%	64.3	64.4	0.1	0.2%
22.5%	64.2	64.3	0.1	0.1%
23.8%	64.1	64.3	0.2	0.3%
25.0%	63.7	64.2	0.5	0.8%
26.3%	63.7	63.9	0.3	0.4%
27.5%	63.6	63.8	0.2	0.3%
28.8%	63.5	63.6	0.2	0.3%
30.0%	63.3	63.4	0.1	0.1%
31.3%	63.2	63.2	0.0	0.0%
32.5%	63.1	63.2	0.1	0.2%
33.8%	62.4	63.0	0.6	0.9%
35.0%	62.3	62.6	0.3	0.5%
36.3%	62.2	62.5	0.3	0.5%
37.5%	61.9	62.4	0.5	0.8%
38.8%	61.8	62.0	0.2	0.3%
40.0%	61.7	62.0	0.3	0.5%
41.3%	61.6	61.9	0.3	0.5%
42.5%	61.5	61.8	0.3	0.5%
43.8%	61.5	61.7	0.3	0.4%
45.0%	61.4	61.5	0.2	0.3%
46.3%	61.3	61.5	0.2	0.4%
47.5%	61.3	61.4	0.2	0.3%
48.8%	61.1	61.4	0.3	0.5%
50.0%	61.0	61.4	0.3	0.6%
51.3%	60.9	61.3	0.5	0.8%
52.5%	60.8	61.3	0.4	0.7%
53.8%	60.8	61.2	0.5	0.8%
55.0%	60.7	61.2	0.5	0.9%
56.3%	60.5	61.2	0.7	1.2%
57.5%	60.4	61.0	0.6	1.0%
58.8%	60.3	60.6	0.3	0.6%
60.0%	60.0	60.6	0.6	1.0%
61.3%	59.9	60.5	0.6	0.9%
62.5%	59.9	60.4	0.5	0.9%
63.8%	59.8	60.3	0.4	0.7%
65.0%	59.8	60.3	0.4	0.7%
66.3%	59.8	60.1	0.3	0.5%
67.5%	59.8	60.1	0.3	0.5%
68.8%	59.8	60.0	0.3	0.4%
70.0%	59.6	59.9	0.3	0.5%
71.3%	59.5	59.7	0.3	0.4%
72.5%	59.4	59.6	0.2	0.4%
73.8%	59.4	59.5	0.1	0.2%
75.0%	59.3	59.5	0.2	0.4%
76.3%	59.2	59.5	0.2	0.4%
77.5%	59.0	59.2	0.2	0.3%
78.8%	58.9	59.0	0.2	0.3%
80.0%	58.8	59.0	0.2	0.3%
81.3%	58.7	58.9	0.2	0.3%
82.5%	58.7	58.7	0.0	0.0%
83.8%	58.6	58.7	0.1	0.2%
85.0%	58.5	58.6	0.1	0.2%
86.3%	58.4	58.5	0.1	0.1%
87.5%	58.4	58.4	0.1	0.1%
88.8%	58.3	58.4	0.1	0.1%
90.0%	58.1	58.2	0.1	0.2%
91.3%	57.9	58.2	0.3	0.6%
92.5%	57.9	58.0	0.1	0.2%
93.8%	57.4	57.4	0.0	0.1%
95.0%	56.8	56.6	-0.1	-0.1%
96.3%	56.6	56.6	0.0	0.0%
97.5%	56.4	56.4	0.0	0.0%
98.8%	55.5	55.7	0.3	0.5%
100.0%	54.6	54.3	-0.4	-0.6%

July

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative A Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	76.6	81.8	5.2	6.8%
1.3%	72.3	73.4	1.1	1.5%
2.5%	71.6	72.8	1.2	1.6%
3.8%	71.4	71.8	0.4	0.6%
5.0%	70.7	68.9	-1.8	-2.5%
6.3%	70.7	68.8	-1.9	-2.6%
7.5%	69.9	68.7	-1.2	-1.8%
8.8%	68.3	68.6	0.3	0.4%
10.0%	67.5	68.6	1.1	1.7%
11.3%	67.4	67.9	0.5	0.7%
12.5%	67.3	67.6	0.3	0.5%
13.8%	67.2	67.5	0.4	0.6%
15.0%	66.9	67.2	0.3	0.5%
16.3%	66.3	66.7	0.3	0.5%
17.5%	66.2	66.1	-0.1	-0.2%
18.8%	65.9	65.9	0.0	0.0%
20.0%	65.7	65.7	-0.1	-0.1%
21.3%	65.7	64.9	-0.8	-1.2%
22.5%	65.1	64.9	-0.2	-0.3%
23.8%	65.1	64.9	-0.2	-0.3%
25.0%	64.7	64.8	0.2	0.3%
26.3%	64.5	64.7	0.2	0.3%
27.5%	64.4	64.7	0.2	0.3%
28.8%	64.4	64.5	0.1	0.1%
30.0%	64.3	64.5	0.2	0.3%
31.3%	64.2	64.5	0.2	0.3%
32.5%	64.2	64.4	0.2	0.3%
33.8%	64.2	64.4	0.2	0.3%
35.0%	64.0	64.4	0.4	0.6%
36.3%	64.0	64.3	0.4	0.6%
37.5%	63.9	64.3	0.4	0.6%
38.8%	63.9	64.2	0.3	0.5%
40.0%	63.8	64.2	0.3	0.5%
41.3%	63.8	64.2	0.3	0.5%
42.5%	63.8	64.1	0.3	0.5%
43.8%	63.8	64.0	0.2	0.4%
45.0%	63.8	64.0	0.2	0.4%
46.3%	63.7	63.9	0.3	0.4%
47.5%	63.6	63.9	0.4	0.6%
48.8%	63.6	63.9	0.3	0.5%
50.0%	63.5	63.8	0.3	0.5%
51.3%	63.5	63.8	0.3	0.5%
52.5%	63.5	63.8	0.3	0.5%
53.8%	63.5	63.8	0.3	0.4%
55.0%	63.5	63.8	0.3	0.5%
56.3%	63.5	63.7	0.3	0.4%
57.5%	63.5	63.7	0.2	0.3%
58.8%	63.4	63.7	0.3	0.4%
60.0%	63.3	63.7	0.3	0.5%
61.3%	63.3	63.6	0.3	0.5%
62.5%	63.3	63.5	0.2	0.4%
63.8%	63.3	63.5	0.3	0.4%
65.0%	63.3	63.5	0.3	0.4%
66.3%	63.2	63.5	0.3	0.4%
67.5%	63.2	63.4	0.3	0.4%
68.8%	63.2	63.4	0.2	0.4%
70.0%	63.2	63.4	0.2	0.3%
71.3%	63.1	63.4	0.3	0.4%
72.5%	63.0	63.3	0.4	0.6%
73.8%	63.0	63.2	0.3	0.4%
75.0%	63.0	63.2	0.2	0.3%
76.3%	62.8	63.0	0.2	0.3%
77.5%	62.8	63.0	0.2	0.3%
78.8%	62.8	63.0	0.2	0.3%
80.0%	62.7	62.9	0.1	0.2%
81.3%	62.7	62.9	0.2	0.3%
82.5%	62.7	62.8	0.2	0.2%
83.8%	62.6	62.8	0.2	0.2%
85.0%	62.6	62.7	0.2	0.2%
86.3%	62.5	62.7	0.2	0.3%
87.5%	62.5	62.7	0.2	0.3%
88.8%	62.3	62.5	0.1	0.2%
90.0%	62.2	62.3	0.2	0.3%
91.3%	62.0	62.2	0.2	0.3%
92.5%	62.0	62.1	0.1	0.2%
93.8%	62.0	62.1	0.1	0.2%
95.0%	61.8	61.8	0.0	0.0%
96.3%	61.7	61.7	0.1	0.1%
97.5%	61.3	61.3	-0.1	-0.1%
98.8%	60.3	60.8	0.4	0.7%
100.0%	59.8	60.1	0.3	0.5%

August

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative A Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	82.4	79.7	-2.7	-3.3%
1.3%	74.2	74.0	-0.2	-0.3%
2.5%	73.1	72.8	-0.3	-0.4%
3.8%	73.0	72.3	-0.7	-1.0%
5.0%	71.8	69.7	-2.2	-3.0%
6.3%	71.2	69.2	-2.0	-2.8%
7.5%	70.3	69.1	-1.2	-1.7%
8.8%	69.4	69.0	-0.4	-0.6%
10.0%	69.4	68.8	-0.6	-0.9%
11.3%	69.0	68.2	-0.9	-1.2%
12.5%	68.8	68.1	-0.7	-1.0%
13.8%	68.1	68.1	0.0	-0.1%
15.0%	68.0	68.0	0.0	0.0%
16.3%	68.0	68.0	0.0	0.0%
17.5%	67.9	67.9	0.0	0.0%
18.8%	67.4	67.9	0.5	0.8%
20.0%	67.0	67.8	0.8	1.1%
21.3%	66.6	66.1	-0.6	-0.8%
22.5%	66.5	66.1	-0.5	-0.7%
23.8%	66.2	66.1	-0.2	-0.2%
25.0%	66.2	65.3	-0.9	-1.3%
26.3%	66.0	65.1	-0.9	-1.3%
27.5%	66.0	65.1	-0.9	-1.3%
28.8%	66.0	65.1	-0.8	-1.3%
30.0%	65.8	65.1	-0.7	-1.1%
31.3%	65.5	65.1	-0.4	-0.6%
32.5%	65.2	65.1	-0.2	-0.2%
33.8%	65.2	65.0	-0.2	-0.2%
35.0%	65.2	65.0	-0.1	-0.2%
36.3%	65.1	65.0	-0.1	-0.2%
37.5%	65.1	65.0	-0.1	-0.2%
38.8%	65.1	65.0	-0.1	-0.2%
40.0%	65.1	65.0	-0.1	-0.1%
41.3%	65.1	65.0	-0.1	-0.1%
42.5%	65.1	65.0	-0.1	-0.1%
43.8%	65.0	64.9	-0.1	-0.1%
45.0%	65.0	64.9	-0.1	-0.1%
46.3%	65.0	64.9	-0.1	-0.1%
47.5%	65.0	64.9	-0.1	-0.1%
48.8%	64.9	64.9	0.0	-0.1%
50.0%	64.9	64.9	-0.1	-0.1%
51.3%	64.9	64.9	-0.1	-0.1%
52.5%	64.9	64.9	-0.1	-0.1%
53.8%	64.9	64.9	-0.1	-0.1%
55.0%	64.9	64.9	0.0	0.0%
56.3%	64.9	64.9	0.0	0.0%
57.5%	64.8	64.8	0.0	0.0%
58.8%	64.8	64.8	0.0	-0.1%
60.0%	64.8	64.7	-0.2	-0.2%
61.3%	64.8	64.6	-0.3	-0.4%
62.5%	64.7	64.3	-0.5	-0.7%
63.8%	64.6	64.2	-0.3	-0.5%
65.0%	64.5	64.1	-0.4	-0.6%
66.3%	64.5	64.1	-0.4	-0.6%
67.5%	64.3	64.1	-0.3	-0.4%
68.8%	64.2	64.1	-0.2	-0.3%
70.0%	64.2	64.1	-0.1	-0.2%
71.3%	64.2	64.0	-0.2	-0.3%
72.5%	64.2	64.0	-0.1	-0.2%
73.8%	64.0	64.0	0.0	0.0%
75.0%	64.0	63.9	-0.1	-0.1%
76.3%	64.0	63.9	-0.1	-0.1%
77.5%	64.0	63.9	-0.1	-0.2%
78.8%	63.9	63.8	-0.1	-0.2%
80.0%	63.9	63.2	-0.7	-1.1%
81.3%	63.3	63.1	-0.1	-0.2%
82.5%	63.2	63.1	-0.1	-0.2%
83.8%	63.2	63.0	-0.1	-0.2%
85.0%	63.1	63.0	0.0	-0.1%
86.3%	63.1	63.0	0.0	-0.1%
87.5%	63.0	63.0	0.0	0.0%
88.8%	63.0	63.0	0.0	0.0%
90.0%	63.0	63.0	0.0	0.0%
91.3%	63.0	63.0	0.0	0.0%
92.5%	63.0	63.0	0.0	0.1%
93.8%	63.0	63.0	0.0	0.1%
95.0%	63.0	63.0	0.0	0.0%
96.3%	62.8	63.0	0.1	0.2%
97.5%	62.6	62.6	0.0	0.1%
98.8%	62.3	62.5	0.2	0.3%
100.0%	62.1	62.2	0.1	0.1%

September

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative A Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	76.1	74.1	-2.0	-2.6%
1.3%	75.1	73.8	-1.4	-1.8%
2.5%	73.8	70.3	-3.5	-4.8%
3.8%	71.0	70.0	-1.0	-1.4%
5.0%	69.5	70.0	0.5	0.8%
6.3%	68.9	68.6	-0.3	-0.4%
7.5%	68.7	68.3	-0.3	-0.5%
8.8%	68.5	68.1	-0.5	-0.7%
10.0%	68.3	68.0	-0.2	-0.4%
11.3%	68.0	68.0	0.0	0.0%
12.5%	67.8	67.9	0.1	0.1%
13.8%	67.8	67.9	0.1	0.2%
15.0%	67.5	67.8	0.3	0.4%
16.3%	66.8	67.6	0.8	1.2%
17.5%	66.4	67.0	0.6	1.0%
18.8%	66.4	67.0	0.6	0.8%
20.0%	66.1	66.9	0.7	1.1%
21.3%	66.0	65.7	-0.3	-0.5%
22.5%	66.0	65.6	-0.4	-0.6%
23.8%	65.8	65.1	-0.8	-1.2%
25.0%	65.7	65.0	-0.7	-1.0%
26.3%	65.4	64.9	-0.5	-0.8%
27.5%	65.0	64.9	-0.2	-0.3%
28.8%	64.9	64.8	-0.2	-0.2%
30.0%	64.9	64.8	-0.2	-0.3%
31.3%	64.8	64.7	-0.1	-0.2%
32.5%	64.8	64.7	-0.2	-0.2%
33.8%	64.8	64.6	-0.2	-0.3%
35.0%	64.7	64.5	-0.2	-0.2%
36.3%	64.7	64.5	-0.1	-0.2%
37.5%	64.6	64.5	-0.1	-0.2%
38.8%	64.6	64.5	-0.1	-0.2%
40.0%	64.6	64.5	-0.1	-0.1%
41.3%	64.5	64.5	0.0	-0.1%
42.5%	64.4	64.4	0.0	0.0%
43.8%	64.4	64.4	0.0	0.0%
45.0%	64.4	64.4	0.0	0.1%
46.3%	64.3	64.4	0.1	0.1%
47.5%	64.3	64.4	0.1	0.1%
48.8%	64.3	64.3	0.1	0.1%
50.0%	64.2	64.3	0.1	0.2%
51.3%	64.1	64.3	0.3	0.4%
52.5%	64.1	64.3	0.2	0.3%
53.8%	64.0	64.2	0.2	0.3%
55.0%	64.0	64.2	0.2	0.3%
56.3%	64.0	64.1	0.2	0.2%
57.5%	64.0	64.0	0.0	0.0%
58.8%	64.0	64.0	0.0	0.0%
60.0%	63.9	63.9	0.0	-0.1%
61.3%	63.9	63.7	-0.2	-0.3%
62.5%	63.8	63.7	-0.1	-0.2%
63.8%	63.7	63.6	-0.1	-0.2%
65.0%	63.7	63.6	-0.1	-0.2%
66.3%	63.7	63.5	-0.1	-0.2%
67.5%	63.6	63.5	-0.1	-0.2%
68.8%	63.6	63.4	-0.2	-0.2%
70.0%	63.5	63.4	-0.1	-0.2%
71.3%	63.5	63.3	-0.2	-0.2%
72.5%	63.3	63.3	0.0	0.0%
73.8%	63.2	63.0	-0.2	-0.4%
75.0%	63.1	63.0	-0.1	-0.2%
76.3%	63.0	62.9	0.0	-0.1%
77.5%	62.9	62.9	0.0	-0.1%
78.8%	62.9	62.9	-0.1	-0.1%
80.0%	62.9	62.7	-0.2	-0.3%
81.3%	62.7	62.7	-0.1	-0.1%
82.5%	62.7	62.7	0.0	0.0%
83.8%	62.7	62.7	0.0	0.0%
85.0%	62.6	62.6	0.0	0.0%
86.3%	62.6	62.6	0.0	0.0%
87.5%	62.6	62.5	-0.1	-0.2%
88.8%	62.6	62.5	-0.1	-0.2%
90.0%	62.5	62.5	-0.1	-0.1%
91.3%	62.5	62.4	0.0	-0.1%
92.5%	62.3	62.4	0.1	0.1%
93.8%	62.3	62.3	0.1	0.1%
95.0%	62.0	62.2	0.2	0.3%
96.3%	62.0	62.2	0.1	0.2%
97.5%	61.9	62.1	0.2	0.2%
98.8%	61.9	62.1	0.2	0.3%
100.0%	61.8	62.0	0.2	0.3%

Table SQ 41-1a
American River at the Mouth, Monthly Temperature
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Temperature (DEG-F)											
Long-term												
Full Simulation Period[1]												
No Action Alternative	62.5	56.7	50.5	47.4	49.6	53.8	57.5	60.6	63.5	66.4	67.8	66.5
Alternative A	62.3	56.7	50.6	47.4	49.7	53.9	57.6	60.6	63.6	66.5	67.6	66.4
Difference	-0.3	0.0	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.1	-0.2	-0.1
Percent Difference[3]	-0.4%	0.0%	0.2%	0.2%	0.1%	0.1%	0.2%	0.0%	0.1%	0.1%	-0.3%	-0.2%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	61.3	56.3	51.1	47.4	49.5	52.9	56.1	58.2	60.8	64.4	66.1	64.9
Alternative A	61.0	56.3	51.1	47.5	49.5	52.9	56.1	58.1	60.8	64.5	66.0	65.0
Difference	-0.3	0.0	0.1	0.0	0.0	0.0	-0.1	-0.1	0.0	0.1	0.0	0.1
Percent Difference	-0.5%	0.0%	0.1%	0.1%	0.0%	0.0%	-0.1%	-0.1%	0.0%	0.1%	0.0%	0.2%
Above Normal (15%)												
No Action Alternative	61.5	56.1	50.0	47.6	49.2	53.0	56.7	59.3	62.4	65.2	66.6	65.1
Alternative A	61.2	56.2	50.2	47.6	49.2	53.3	56.9	59.5	62.6	65.4	66.5	65.2
Difference	-0.4	0.1	0.2	0.0	0.1	0.3	0.3	0.2	0.3	0.2	-0.1	0.1
Percent Difference	-0.6%	0.1%	0.3%	0.1%	0.1%	0.5%	0.5%	0.3%	0.4%	0.3%	-0.1%	0.1%
Below Normal (17%)												
No Action Alternative	62.1	56.8	50.7	47.2	49.0	53.8	57.5	60.2	63.2	65.6	66.9	65.5
Alternative A	61.9	56.7	50.7	47.2	49.0	53.9	57.5	60.3	63.4	65.7	66.8	65.4
Difference	-0.1	-0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.2	0.1	-0.1	-0.1
Percent Difference	-0.2%	-0.2%	0.1%	0.1%	0.0%	0.1%	0.0%	0.1%	0.3%	0.2%	-0.2%	-0.2%
Dry (22%)												
No Action Alternative	63.5	57.0	50.5	47.4	50.1	54.4	58.4	62.2	64.9	66.9	68.2	67.2
Alternative A	63.0	57.0	50.6	47.5	50.0	54.3	58.5	62.3	64.9	66.7	68.1	66.8
Difference	-0.5	0.0	0.1	0.1	0.0	-0.1	0.1	0.1	0.1	-0.2	-0.1	-0.4
Percent Difference	-0.8%	-0.1%	0.2%	0.2%	-0.1%	-0.1%	0.3%	0.2%	0.1%	-0.2%	-0.2%	-0.6%
Critical (15%)												
No Action Alternative	65.3	57.4	49.3	47.2	50.5	55.9	60.2	65.6	69.0	71.9	73.2	71.4
Alternative A	65.3	57.6	49.5	47.4	50.7	56.0	60.4	65.1	68.7	72.3	72.4	71.1
Difference	0.0	0.2	0.2	0.2	0.2	0.2	0.2	-0.5	-0.3	0.4	-0.8	-0.3
Percent Difference	0.0%	0.3%	0.3%	0.4%	0.4%	0.3%	0.3%	-0.7%	-0.4%	0.5%	-1.0%	-0.4%

1 Based on the 82-year simulation period
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)
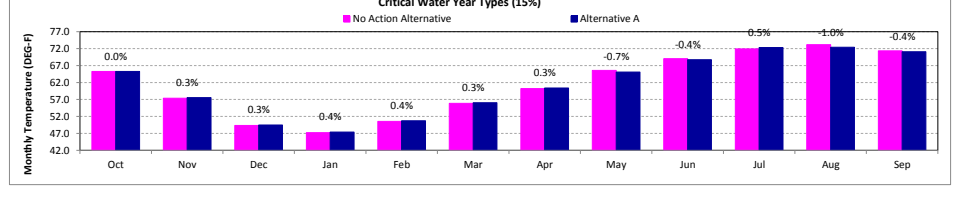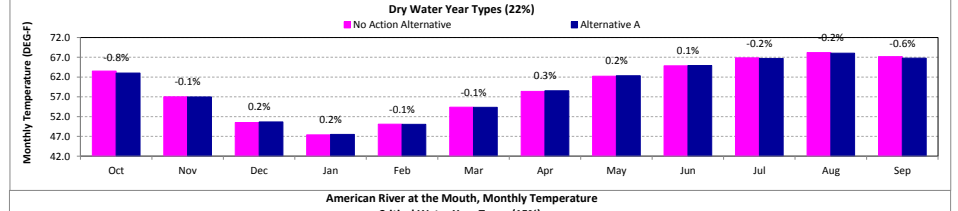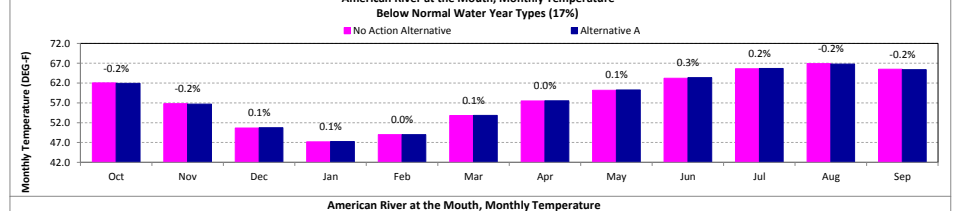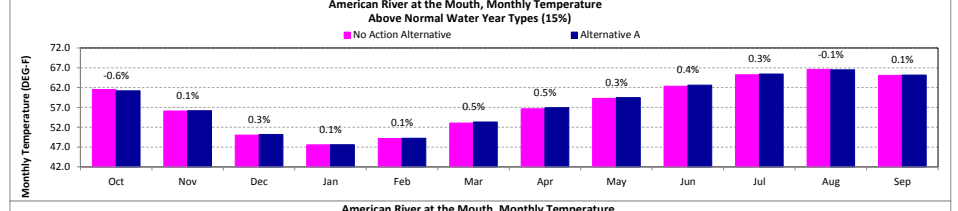3 Relative difference of the monthly average

American River at the Mouth, Monthly Temperature — Full Simulation Period; Wet Water Year Types (32%); Above Normal Water Year Types (15%); Below Normal Water Year Types (17%); Dry Water Year Types (22%); Critical Water Year Types (15%). No Action Alternative; Alternative A.
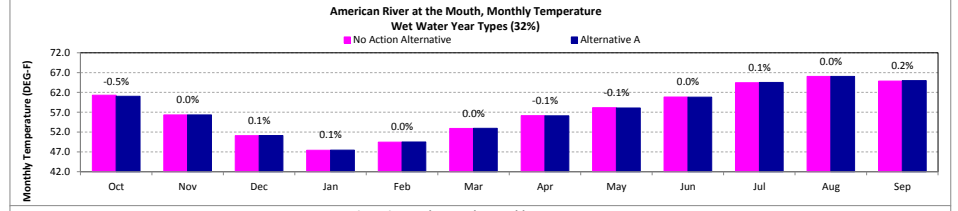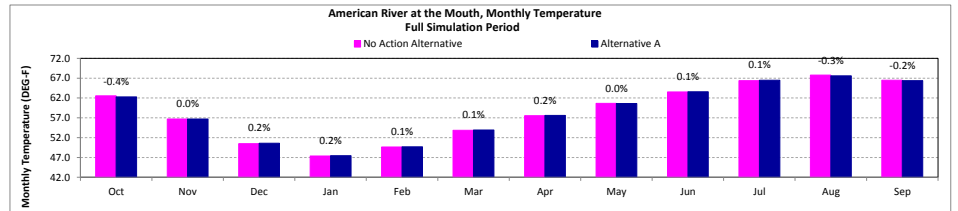
Figure SQ-41-1b
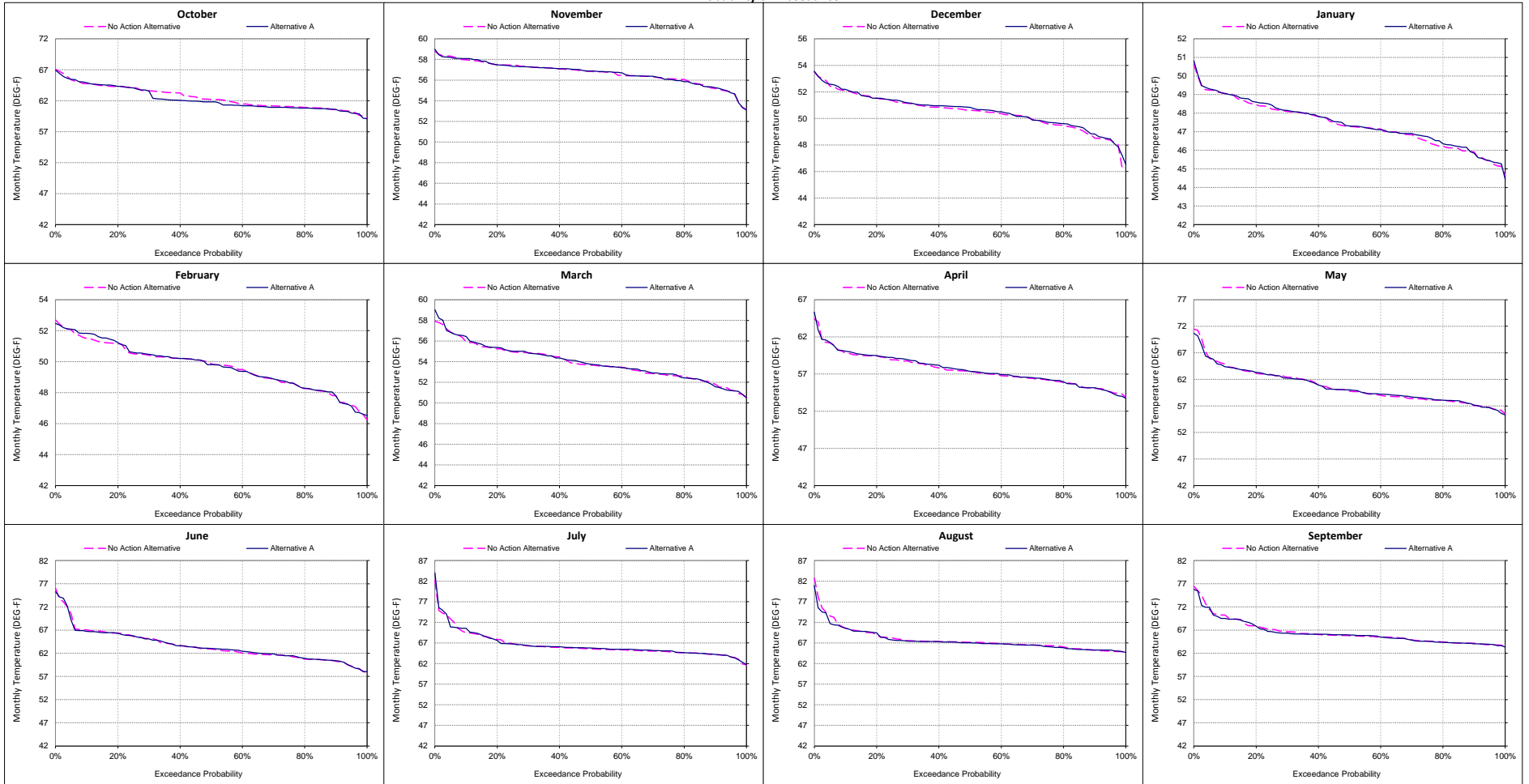**American River at the Mouth, Monthly Temperature**
Probability of Exceedance

Table SQ-**41**-1b
American River at the Mouth, Monthly Temperature
Probability of Exceedance

October

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative A Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	67.1	66.9	-0.2	-0.2%
1.3%	66.7	66.4	-0.3	-0.5%
2.5%	66.4	65.9	-0.5	-0.7%
3.8%	65.9	65.6	-0.3	-0.5%
5.0%	65.4	65.4	0.1	0.1%
6.3%	65.2	65.4	0.3	0.4%
7.5%	65.1	65.1	0.0	0.0%
8.8%	64.8	65.0	0.3	0.4%
10.0%	64.8	64.9	0.2	0.2%
11.3%	64.7	64.8	0.1	0.1%
12.5%	64.7	64.7	0.0	0.0%
13.8%	64.5	64.6	0.1	0.2%
15.0%	64.4	64.6	0.2	0.2%
16.3%	64.4	64.5	0.1	0.2%
17.5%	64.3	64.5	0.2	0.3%
18.8%	64.3	64.4	0.1	0.2%
20.0%	64.3	64.3	0.0	0.0%
21.3%	64.3	64.3	0.1	0.1%
22.5%	64.2	64.2	0.0	0.0%
23.8%	64.2	64.1	-0.1	-0.1%
25.0%	64.2	64.1	-0.1	-0.1%
26.3%	64.0	63.9	-0.1	-0.2%
27.5%	63.7	63.8	0.1	0.1%
28.8%	63.7	63.7	0.1	0.1%
30.0%	63.6	63.6	0.0	-0.1%
31.3%	63.6	62.4	-1.2	-1.8%
32.5%	63.5	62.3	-1.2	-1.9%
33.8%	63.5	62.3	-1.2	-1.9%
35.0%	63.4	62.2	-1.2	-1.8%
36.3%	63.3	62.2	-1.2	-1.8%
37.5%	63.3	62.1	-1.2	-1.9%
38.8%	63.3	62.1	-1.2	-1.8%
40.0%	63.3	62.1	-1.2	-1.8%
41.3%	62.8	62.0	-0.8	-1.3%
42.5%	62.8	62.0	-0.8	-1.3%
43.8%	62.7	62.0	-0.7	-1.1%
45.0%	62.6	61.9	-0.7	-1.1%
46.3%	62.3	61.9	-0.4	-0.7%
47.5%	62.3	61.8	-0.4	-0.7%
48.8%	62.3	61.8	-0.4	-0.7%
50.0%	62.2	61.8	-0.4	-0.6%
51.3%	62.2	61.8	-0.4	-0.6%
52.5%	62.2	61.7	-0.5	-0.9%
53.8%	62.1	61.3	-0.8	-1.3%
55.0%	62.0	61.3	-0.7	-1.1%
56.3%	61.8	61.3	-0.5	-0.9%
57.5%	61.8	61.3	-0.5	-0.7%
58.8%	61.6	61.3	-0.3	-0.5%
60.0%	61.5	61.2	-0.3	-0.5%
61.3%	61.5	61.2	-0.3	-0.5%
62.5%	61.4	61.2	-0.2	-0.3%
63.8%	61.3	61.2	-0.2	-0.3%
65.0%	61.3	61.1	-0.2	-0.3%
66.3%	61.2	61.0	-0.2	-0.3%
67.5%	61.2	61.0	-0.2	-0.3%
68.8%	61.2	61.0	-0.2	-0.3%
70.0%	61.2	61.0	-0.2	-0.3%
71.3%	61.1	61.0	-0.2	-0.3%
72.5%	61.1	60.9	-0.2	-0.2%
73.8%	61.1	60.9	-0.1	-0.2%
75.0%	61.1	60.9	-0.2	-0.3%
76.3%	61.0	60.8	-0.2	-0.3%
77.5%	61.0	60.8	-0.2	-0.3%
78.8%	61.0	60.8	-0.2	-0.2%
80.0%	60.9	60.8	-0.1	-0.2%
81.3%	60.9	60.8	-0.1	-0.1%
82.5%	60.9	60.8	-0.1	-0.2%
83.8%	60.9	60.8	-0.1	-0.2%
85.0%	60.8	60.7	-0.1	-0.2%
86.3%	60.8	60.7	-0.1	-0.1%
87.5%	60.7	60.7	-0.1	-0.1%
88.8%	60.6	60.6	0.1	0.1%
90.0%	60.6	60.6	0.0	0.0%
91.3%	60.5	60.4	-0.2	-0.3%
92.5%	60.4	60.3	-0.1	-0.1%
93.8%	60.4	60.3	-0.1	-0.1%
95.0%	60.2	60.0	-0.2	-0.4%
96.3%	60.1	60.0	-0.1	-0.2%
97.5%	59.6	59.9	0.3	0.5%
98.8%	59.5	59.2	-0.4	-0.6%
100.0%	59.2	59.1	-0.1	-0.1%

November

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative A Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	58.8	59.0	0.2	0.3%
1.3%	58.5	58.5	0.0	-0.1%
2.5%	58.4	58.3	-0.1	-0.2%
3.8%	58.3	58.2	-0.1	-0.2%
5.0%	58.3	58.2	-0.1	-0.2%
6.3%	58.2	58.1	-0.1	-0.2%
7.5%	58.0	58.1	0.0	0.1%
8.8%	58.0	58.1	0.1	0.2%
10.0%	58.0	58.1	0.1	0.2%
11.3%	57.9	58.1	0.2	0.3%
12.5%	57.9	58.0	0.1	0.2%
13.8%	57.9	58.0	0.1	0.2%
15.0%	57.8	57.8	0.0	0.1%
16.3%	57.7	57.8	0.1	0.2%
17.5%	57.6	57.6	0.0	0.0%
18.8%	57.5	57.5	0.0	0.0%
20.0%	57.5	57.5	0.0	0.0%
21.3%	57.5	57.5	0.0	0.0%
22.5%	57.5	57.4	0.0	-0.1%
23.8%	57.5	57.4	-0.1	-0.1%
25.0%	57.4	57.3	-0.1	-0.2%
26.3%	57.4	57.3	-0.1	-0.2%
27.5%	57.3	57.3	0.0	-0.1%
28.8%	57.3	57.3	0.0	-0.1%
30.0%	57.3	57.3	0.0	-0.1%
31.3%	57.3	57.3	0.0	0.0%
32.5%	57.2	57.2	0.0	0.0%
33.8%	57.2	57.2	0.0	0.0%
35.0%	57.2	57.2	0.0	0.0%
36.3%	57.2	57.2	0.0	0.0%
37.5%	57.2	57.2	0.0	0.0%
38.8%	57.2	57.1	0.0	0.0%
40.0%	57.1	57.1	0.0	0.1%
41.3%	57.1	57.1	0.0	0.1%
42.5%	57.0	57.1	0.1	0.1%
43.8%	57.0	57.1	0.0	0.1%
45.0%	57.0	57.0	0.0	0.1%
46.3%	56.9	57.0	0.1	0.1%
47.5%	56.9	56.9	0.0	0.0%
48.8%	56.9	56.9	0.0	0.0%
50.0%	56.8	56.9	0.0	0.1%
51.3%	56.8	56.9	0.0	0.1%
52.5%	56.8	56.8	0.0	0.1%
53.8%	56.8	56.8	0.0	0.0%
55.0%	56.8	56.8	0.0	0.1%
56.3%	56.8	56.8	0.0	0.1%
57.5%	56.7	56.8	0.0	0.0%
58.8%	56.5	56.8	0.3	0.5%
60.0%	56.5	56.7	0.3	0.4%
61.3%	56.4	56.5	0.1	0.2%
62.5%	56.4	56.4	0.0	0.0%
63.8%	56.4	56.4	0.0	0.0%
65.0%	56.4	56.4	0.0	0.0%
66.3%	56.4	56.4	0.0	0.0%
67.5%	56.4	56.4	0.0	0.0%
68.8%	56.4	56.4	0.0	0.0%
70.0%	56.3	56.4	0.1	0.1%
71.3%	56.3	56.3	0.0	0.0%
72.5%	56.2	56.3	0.1	0.1%
73.8%	56.2	56.1	-0.1	-0.2%
75.0%	56.1	56.1	0.0	-0.1%
76.3%	56.1	56.0	-0.1	-0.1%
77.5%	56.1	56.0	-0.1	-0.2%
78.8%	56.1	56.0	-0.1	-0.2%
80.0%	56.0	55.8	-0.2	-0.4%
81.3%	55.9	55.8	-0.1	-0.2%
82.5%	55.7	55.7	0.0	0.0%
83.8%	55.7	55.6	-0.1	-0.1%
85.0%	55.6	55.6	0.0	0.0%
86.3%	55.5	55.4	-0.1	-0.3%
87.5%	55.4	55.4	0.0	0.0%
88.8%	55.2	55.3	0.1	0.2%
90.0%	55.2	55.3	0.1	0.2%
91.3%	55.1	55.2	0.1	0.2%
92.5%	55.0	55.1	0.1	0.1%
93.8%	54.9	55.0	0.0	0.0%
95.0%	54.9	54.8	-0.1	-0.2%
96.3%	54.6	54.7	0.0	0.1%
97.5%	53.8	53.8	0.0	-0.1%
98.8%	53.3	53.3	0.0	0.0%
100.0%	53.2	53.1	0.0	-0.1%

December

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative A Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	53.5	53.5	0.0	0.1%
1.3%	53.2	53.2	0.0	0.1%
2.5%	53.0	52.9	-0.1	-0.3%
3.8%	52.9	52.7	-0.2	-0.3%
5.0%	52.4	52.6	0.1	0.3%
6.3%	52.4	52.5	0.1	0.2%
7.5%	52.2	52.4	0.2	0.4%
8.8%	52.1	52.2	0.1	0.1%
10.0%	52.1	52.2	0.1	0.1%
11.3%	52.0	52.1	0.0	0.1%
12.5%	51.9	52.0	0.1	0.1%
13.8%	51.8	52.0	0.2	0.3%
15.0%	51.8	51.7	0.0	0.0%
16.3%	51.7	51.7	0.0	-0.1%
17.5%	51.7	51.6	0.0	-0.1%
18.8%	51.5	51.5	0.0	0.0%
20.0%	51.5	51.5	0.0	0.0%
21.3%	51.5	51.5	0.0	0.1%
22.5%	51.5	51.5	0.0	0.0%
23.8%	51.4	51.4	0.0	0.1%
25.0%	51.3	51.4	0.0	0.1%
26.3%	51.2	51.4	0.1	0.3%
27.5%	51.2	51.3	0.1	0.3%
28.8%	51.2	51.2	0.1	0.1%
30.0%	51.1	51.2	0.0	0.1%
31.3%	51.1	51.2	0.0	0.1%
32.5%	51.0	51.1	0.1	0.1%
33.8%	51.0	51.0	0.0	0.1%
35.0%	50.9	51.0	0.1	0.2%
36.3%	50.9	51.0	0.1	0.3%
37.5%	50.8	51.0	0.1	0.3%
38.8%	50.8	51.0	0.1	0.2%
40.0%	50.8	51.0	0.1	0.2%
41.3%	50.8	51.0	0.1	0.3%
42.5%	50.8	50.9	0.1	0.3%
43.8%	50.8	50.9	0.2	0.3%
45.0%	50.8	50.9	0.2	0.3%
46.3%	50.7	50.9	0.2	0.3%
47.5%	50.7	50.9	0.2	0.4%
48.8%	50.6	50.8	0.2	0.4%
50.0%	50.6	50.8	0.2	0.4%
51.3%	50.6	50.8	0.2	0.3%
52.5%	50.6	50.7	0.1	0.2%
53.8%	50.6	50.7	0.1	0.2%
55.0%	50.5	50.6	0.1	0.3%
56.3%	50.5	50.6	0.2	0.3%
57.5%	50.5	50.6	0.1	0.2%
58.8%	50.4	50.5	0.1	0.2%
60.0%	50.4	50.5	0.1	0.3%
61.3%	50.3	50.4	0.1	0.3%
62.5%	50.3	50.4	0.1	0.2%
63.8%	50.3	50.3	0.0	0.0%
65.0%	50.2	50.2	-0.1	-0.1%
66.3%	50.2	50.2	0.0	-0.1%
67.5%	50.2	50.1	0.0	-0.1%
68.8%	50.1	50.1	0.0	0.1%
70.0%	49.9	49.9	0.0	-0.1%
71.3%	49.8	49.9	0.1	0.1%
72.5%	49.8	49.8	0.0	0.1%
73.8%	49.7	49.8	0.1	0.2%
75.0%	49.6	49.7	0.1	0.2%
76.3%	49.6	49.7	0.1	0.2%
77.5%	49.5	49.7	0.2	0.3%
78.8%	49.5	49.6	0.1	0.3%
80.0%	49.5	49.6	0.1	0.2%
81.3%	49.4	49.6	0.2	0.4%
82.5%	49.4	49.5	0.1	0.2%
83.8%	49.3	49.4	0.1	0.3%
85.0%	49.2	49.4	0.2	0.4%
86.3%	49.1	49.3	0.2	0.5%
87.5%	48.9	49.1	0.2	0.4%
88.8%	48.8	48.8	0.0	0.1%
90.0%	48.5	48.8	0.3	0.7%
91.3%	48.5	48.6	0.1	0.3%
92.5%	48.5	48.6	0.1	0.3%
93.8%	48.4	48.5	0.1	0.1%
95.0%	48.4	48.5	0.1	0.2%
96.3%	48.2	48.1	-0.1	-0.1%
97.5%	48.0	47.9	-0.2	-0.4%
98.8%	46.3	47.2	0.9	2.0%
100.0%	46.2	46.5	0.3	0.6%

January

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative A Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	50.6	50.8	0.2	0.4%
1.3%	50.0	50.1	0.1	0.2%
2.5%	49.5	49.5	0.0	0.1%
3.8%	49.3	49.4	0.1	0.3%
5.0%	49.2	49.3	0.1	0.1%
6.3%	49.2	49.3	0.0	0.1%
7.5%	49.1	49.2	0.1	0.2%
8.8%	49.1	49.1	0.0	0.0%
10.0%	49.0	49.0	0.0	0.0%
11.3%	49.0	49.0	0.0	-0.1%
12.5%	49.0	49.0	0.0	-0.1%
13.8%	48.8	48.9	0.1	0.2%
15.0%	48.7	48.8	0.1	0.2%
16.3%	48.7	48.8	0.1	0.3%
17.5%	48.5	48.8	0.2	0.5%
18.8%	48.5	48.6	0.1	0.3%
20.0%	48.5	48.6	0.1	0.3%
21.3%	48.4	48.5	0.2	0.3%
22.5%	48.4	48.5	0.2	0.3%
23.8%	48.3	48.5	0.2	0.4%
25.0%	48.2	48.4	0.2	0.5%
26.3%	48.2	48.3	0.1	0.2%
27.5%	48.2	48.2	0.1	0.1%
28.8%	48.1	48.2	0.1	0.1%
30.0%	48.1	48.2	0.1	0.1%
31.3%	48.1	48.1	0.0	0.1%
32.5%	48.0	48.1	0.0	0.1%
33.8%	48.0	48.1	0.0	0.1%
35.0%	48.0	48.0	0.0	0.0%
36.3%	48.0	48.0	0.0	0.1%
37.5%	47.9	47.9	0.0	0.0%
38.8%	47.9	47.9	0.0	0.1%
40.0%	47.8	47.8	0.0	0.0%
41.3%	47.8	47.8	0.0	0.0%
42.5%	47.7	47.8	0.0	0.0%
43.8%	47.5	47.7	0.1	0.2%
45.0%	47.5	47.5	0.0	0.1%
46.3%	47.4	47.5	0.1	0.3%
47.5%	47.3	47.5	0.2	0.3%
48.8%	47.3	47.3	0.0	0.1%
50.0%	47.3	47.3	0.0	0.1%
51.3%	47.3	47.3	0.0	0.1%
52.5%	47.3	47.3	0.0	0.1%
53.8%	47.2	47.3	0.0	0.1%
55.0%	47.2	47.2	0.0	0.0%
56.3%	47.2	47.2	0.0	-0.1%
57.5%	47.2	47.2	0.0	0.0%
58.8%	47.2	47.1	0.0	-0.1%
60.0%	47.1	47.1	0.0	-0.1%
61.3%	47.0	47.1	0.1	0.1%
62.5%	47.0	47.0	0.0	0.0%
63.8%	47.0	47.0	0.0	0.0%
65.0%	47.0	47.0	0.0	0.0%
66.3%	46.9	46.9	0.0	0.0%
67.5%	46.9	46.9	0.0	0.1%
68.8%	46.8	46.9	0.1	0.1%
70.0%	46.8	46.9	0.1	0.1%
71.3%	46.7	46.8	0.1	0.3%
72.5%	46.6	46.8	0.2	0.4%
73.8%	46.5	46.8	0.2	0.5%
75.0%	46.5	46.7	0.2	0.5%
76.3%	46.3	46.7	0.3	0.6%
77.5%	46.3	46.5	0.2	0.5%
78.8%	46.2	46.5	0.3	0.6%
80.0%	46.2	46.3	0.1	0.3%
81.3%	46.1	46.3	0.2	0.4%
82.5%	46.1	46.3	0.2	0.3%
83.8%	46.1	46.2	0.1	0.2%
85.0%	46.1	46.2	0.1	0.3%
86.3%	46.0	46.2	0.2	0.4%
87.5%	46.0	46.2	0.2	0.4%
88.8%	45.9	45.9	0.0	0.0%
90.0%	45.9	45.8	-0.1	-0.1%
91.3%	45.6	45.6	0.0	0.0%
92.5%	45.6	45.6	0.0	-0.1%
93.8%	45.5	45.5	0.0	0.0%
95.0%	45.4	45.4	0.0	0.0%
96.3%	45.3	45.3	0.1	0.2%
97.5%	45.2	45.3	0.2	0.4%
98.8%	45.1	45.3	0.1	0.3%
100.0%	44.6	44.4	-0.2	-0.5%

Table SQ-**41**-1b
American River at the Mouth, Monthly Temperature
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative A Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	52.7	52.5	-0.2	-0.4%
1.3%	52.4	52.4	-0.1	-0.1%
2.5%	52.2	52.2	-0.1	-0.1%
3.8%	52.1	52.1	0.0	0.0%
5.0%	52.1	52.1	0.0	0.0%
6.3%	51.8	52.1	0.3	0.6%
7.5%	51.7	51.8	0.1	0.3%
8.8%	51.6	51.8	0.3	0.5%
10.0%	51.5	51.8	0.3	0.6%
11.3%	51.5	51.8	0.3	0.7%
12.5%	51.4	51.8	0.4	0.7%
13.8%	51.3	51.6	0.3	0.6%
15.0%	51.3	51.5	0.3	0.5%
16.3%	51.2	51.5	0.3	0.6%
17.5%	51.2	51.5	0.2	0.5%
18.8%	51.2	51.4	0.2	0.4%
20.0%	51.2	51.2	0.1	0.1%
21.3%	51.1	51.1	0.0	-0.1%
22.5%	50.8	51.0	0.3	0.6%
23.8%	50.6	50.6	0.1	0.2%
25.0%	50.5	50.6	0.1	0.2%
26.3%	50.5	50.5	0.1	0.1%
27.5%	50.5	50.5	0.1	0.1%
28.8%	50.5	50.5	0.0	0.1%
30.0%	50.4	50.5	0.1	0.1%
31.3%	50.4	50.4	0.1	0.1%
32.5%	50.3	50.4	0.1	0.1%
33.8%	50.3	50.4	0.1	0.1%
35.0%	50.3	50.3	0.0	0.1%
36.3%	50.3	50.3	0.1	0.1%
37.5%	50.2	50.2	0.0	0.0%
38.8%	50.2	50.2	0.0	0.0%
40.0%	50.2	50.2	0.0	0.0%
41.3%	50.2	50.2	0.0	0.0%
42.5%	50.2	50.2	0.0	0.0%
43.8%	50.2	50.2	0.0	0.0%
45.0%	50.1	50.1	0.0	0.0%
46.3%	50.1	50.1	0.0	0.0%
47.5%	50.0	50.0	0.0	0.0%
48.8%	50.0	49.8	-0.2	-0.4%
50.0%	49.9	49.8	0.0	-0.1%
51.3%	49.8	49.8	0.0	0.0%
52.5%	49.8	49.8	0.0	0.0%
53.8%	49.8	49.7	-0.1	-0.3%
55.0%	49.8	49.6	-0.1	-0.2%
56.3%	49.7	49.6	-0.1	-0.2%
57.5%	49.6	49.5	-0.1	-0.2%
58.8%	49.5	49.4	-0.1	-0.2%
60.0%	49.5	49.4	-0.1	-0.2%
61.3%	49.4	49.4	0.0	0.0%
62.5%	49.3	49.3	0.0	0.0%
63.8%	49.2	49.1	0.0	-0.1%
65.0%	49.1	49.0	0.0	0.0%
66.3%	49.0	49.0	0.0	0.1%
67.5%	49.0	49.0	0.0	0.1%
68.8%	48.9	49.0	0.0	0.1%
70.0%	48.9	48.9	0.0	0.0%
71.3%	48.8	48.8	0.0	0.0%
72.5%	48.7	48.8	0.1	0.2%
73.8%	48.7	48.7	0.1	0.2%
75.0%	48.6	48.6	0.0	0.0%
76.3%	48.6	48.6	0.0	0.0%
77.5%	48.5	48.5	0.0	0.0%
78.8%	48.3	48.3	0.1	0.1%
80.0%	48.3	48.3	0.0	0.0%
81.3%	48.3	48.3	0.0	0.0%
82.5%	48.2	48.2	0.0	0.0%
83.8%	48.2	48.2	0.0	0.0%
85.0%	48.1	48.2	0.1	0.1%
86.3%	48.1	48.1	0.0	0.0%
87.5%	48.0	48.0	0.0	0.1%
88.8%	47.8	48.0	0.2	0.5%
90.0%	47.8	47.8	0.0	0.0%
91.3%	47.4	47.4	0.0	0.0%
92.5%	47.4	47.3	-0.1	-0.1%
93.8%	47.2	47.3	0.0	0.1%
95.0%	47.2	47.1	-0.1	-0.1%
96.3%	47.1	46.7	-0.3	-0.7%
97.5%	46.8	46.7	-0.1	-0.2%
98.8%	46.6	46.6	0.0	0.1%
100.0%	46.3	46.5	0.3	0.6%

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative A Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	57.9	59.0	1.1	1.9%
1.3%	57.8	58.2	0.4	0.8%
2.5%	57.6	58.0	0.4	0.7%
3.8%	57.2	57.0	-0.1	-0.3%
5.0%	56.9	56.8	0.0	-0.1%
6.3%	56.7	56.7	0.0	0.0%
7.5%	56.6	56.6	0.0	0.0%
8.8%	56.4	56.5	0.2	0.3%
10.0%	55.9	56.5	0.5	0.9%
11.3%	55.8	56.0	0.1	0.3%
12.5%	55.8	55.9	0.1	0.1%
13.8%	55.6	55.8	0.2	0.3%
15.0%	55.4	55.7	0.3	0.5%
16.3%	55.4	55.5	0.1	0.1%
17.5%	55.4	55.4	0.0	0.1%
18.8%	55.3	55.4	0.1	0.2%
20.0%	55.2	55.4	0.1	0.3%
21.3%	55.2	55.3	0.1	0.2%
22.5%	55.1	55.2	0.1	0.1%
23.8%	55.0	55.1	0.0	0.1%
25.0%	54.9	55.0	0.1	0.1%
26.3%	54.9	55.0	0.1	0.2%
27.5%	54.9	55.0	0.1	0.2%
28.8%	54.9	55.0	0.1	0.2%
30.0%	54.9	54.8	0.0	-0.1%
31.3%	54.8	54.8	0.0	-0.1%
32.5%	54.8	54.8	0.0	-0.1%
33.8%	54.8	54.7	-0.1	-0.1%
35.0%	54.7	54.6	-0.1	-0.1%
36.3%	54.6	54.6	-0.1	-0.1%
37.5%	54.5	54.6	0.0	0.0%
38.8%	54.5	54.4	-0.1	-0.2%
40.0%	54.5	54.4	-0.1	-0.2%
41.3%	54.3	54.3	0.0	0.0%
42.5%	54.1	54.2	0.1	0.1%
43.8%	53.9	54.1	0.3	0.5%
45.0%	53.8	54.1	0.3	0.5%
46.3%	53.8	54.0	0.3	0.5%
47.5%	53.7	53.9	0.2	0.3%
48.8%	53.7	53.8	0.1	0.2%
50.0%	53.7	53.8	0.1	0.2%
51.3%	53.7	53.7	0.0	0.1%
52.5%	53.6	53.7	0.1	0.2%
53.8%	53.6	53.6	0.0	0.0%
55.0%	53.6	53.5	0.0	0.0%
56.3%	53.5	53.5	0.0	0.0%
57.5%	53.5	53.5	0.0	0.0%
58.8%	53.5	53.5	0.0	-0.1%
60.0%	53.5	53.4	0.0	0.0%
61.3%	53.4	53.4	0.0	0.0%
62.5%	53.2	53.3	0.1	0.1%
63.8%	53.2	53.3	0.1	0.2%
65.0%	53.1	53.3	0.1	0.2%
66.3%	53.1	53.1	0.1	0.1%
67.5%	52.9	53.1	0.2	0.4%
68.8%	52.9	53.0	0.1	0.2%
70.0%	52.8	52.9	0.1	0.1%
71.3%	52.8	52.9	0.1	0.2%
72.5%	52.8	52.8	0.0	0.1%
73.8%	52.7	52.8	0.1	0.2%
75.0%	52.7	52.8	0.2	0.3%
76.3%	52.7	52.8	0.1	0.3%
77.5%	52.6	52.7	0.1	0.2%
78.8%	52.6	52.5	-0.1	-0.2%
80.0%	52.6	52.4	-0.2	-0.3%
81.3%	52.4	52.4	0.0	-0.1%
82.5%	52.4	52.4	0.0	0.0%
83.8%	52.3	52.3	0.0	0.1%
85.0%	52.2	52.3	0.0	0.1%
86.3%	52.1	52.2	0.0	0.1%
87.5%	52.1	52.0	-0.1	-0.2%
88.8%	51.9	51.8	-0.1	-0.2%
90.0%	51.8	51.6	-0.2	-0.5%
91.3%	51.5	51.5	0.0	-0.1%
92.5%	51.5	51.4	-0.2	-0.3%
93.8%	51.5	51.3	-0.2	-0.4%
95.0%	51.2	51.2	-0.1	-0.1%
96.3%	51.2	51.2	0.0	0.0%
97.5%	50.9	51.1	0.2	0.5%
98.8%	50.8	50.8	0.0	0.0%
100.0%	50.5	50.5	0.0	0.0%

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative A Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	64.4	65.3	0.9	1.5%
1.3%	64.0	62.9	-1.1	-1.7%
2.5%	61.4	61.7	0.3	0.5%
3.8%	61.3	61.6	0.3	0.5%
5.0%	61.2	61.3	0.1	0.1%
6.3%	60.9	60.8	-0.1	-0.2%
7.5%	60.3	60.2	0.0	-0.1%
8.8%	60.1	60.2	0.1	0.1%
10.0%	59.8	60.1	0.3	0.5%
11.3%	59.8	60.0	0.2	0.4%
12.5%	59.6	59.9	0.3	0.5%
13.8%	59.6	59.7	0.1	0.2%
15.0%	59.5	59.6	0.1	0.3%
16.3%	59.5	59.6	0.1	0.2%
17.5%	59.5	59.5	0.1	0.1%
18.8%	59.5	59.5	0.0	0.1%
20.0%	59.4	59.5	0.0	0.1%
21.3%	59.3	59.4	0.1	0.1%
22.5%	59.3	59.3	0.0	0.1%
23.8%	59.0	59.2	0.3	0.4%
25.0%	58.9	59.2	0.3	0.5%
26.3%	58.9	59.1	0.2	0.3%
27.5%	58.8	59.1	0.3	0.5%
28.8%	58.8	59.0	0.3	0.5%
30.0%	58.8	58.9	0.2	0.3%
31.3%	58.6	58.8	0.3	0.5%
32.5%	58.5	58.8	0.2	0.4%
33.8%	58.4	58.5	0.1	0.1%
35.0%	58.4	58.4	0.0	0.1%
36.3%	58.1	58.3	0.2	0.4%
37.5%	58.1	58.3	0.2	0.4%
38.8%	57.9	58.2	0.3	0.5%
40.0%	57.8	58.2	0.4	0.6%
41.3%	57.8	57.9	0.1	0.2%
42.5%	57.5	57.9	0.3	0.6%
43.8%	57.5	57.8	0.3	0.5%
45.0%	57.5	57.7	0.2	0.3%
46.3%	57.5	57.6	0.2	0.3%
47.5%	57.4	57.6	0.2	0.3%
48.8%	57.4	57.5	0.1	0.1%
50.0%	57.3	57.4	0.0	0.0%
51.3%	57.3	57.3	0.0	0.0%
52.5%	57.2	57.3	0.1	0.2%
53.8%	57.1	57.2	0.1	0.2%
55.0%	57.1	57.1	0.0	0.1%
56.3%	57.0	57.1	0.1	0.1%
57.5%	57.0	57.1	0.1	0.2%
58.8%	57.0	57.1	0.1	0.2%
60.0%	56.8	57.0	0.2	0.3%
61.3%	56.7	56.9	0.2	0.3%
62.5%	56.7	56.9	0.2	0.3%
63.8%	56.7	56.7	0.1	0.1%
65.0%	56.6	56.7	0.1	0.1%
66.3%	56.6	56.6	0.0	0.1%
67.5%	56.6	56.6	0.0	0.1%
68.8%	56.5	56.5	0.1	0.2%
70.0%	56.4	56.5	0.1	0.1%
71.3%	56.3	56.4	0.1	0.2%
72.5%	56.3	56.4	0.1	0.2%
73.8%	56.3	56.3	0.1	0.1%
75.0%	56.2	56.3	0.1	0.2%
76.3%	56.1	56.2	0.0	0.0%
77.5%	56.0	56.1	0.1	0.2%
78.8%	56.0	56.1	0.2	0.3%
80.0%	55.9	56.0	0.1	0.1%
81.3%	55.8	55.7	-0.1	-0.2%
82.5%	55.7	55.7	-0.1	-0.1%
83.8%	55.7	55.7	0.0	0.0%
85.0%	55.5	55.2	-0.3	-0.5%
86.3%	55.2	55.2	0.0	0.0%
87.5%	55.2	55.2	0.0	0.0%
88.8%	55.1	55.1	0.0	0.0%
90.0%	55.1	55.1	0.1	0.1%
91.3%	55.0	55.0	0.0	-0.1%
92.5%	55.0	54.9	-0.2	-0.3%
93.8%	54.7	54.8	0.1	0.2%
95.0%	54.6	54.6	-0.1	-0.1%
96.3%	54.4	54.3	-0.1	-0.2%
97.5%	54.4	54.1	-0.4	-0.7%
98.8%	54.3	54.0	-0.3	-0.6%
100.0%	53.8	53.7	-0.1	-0.2%

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative A Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	71.5	70.7	-0.8	-1.1%
1.3%	71.3	70.2	-1.1	-1.5%
2.5%	69.7	68.4	-1.3	-1.8%
3.8%	67.2	66.3	-0.8	-1.2%
5.0%	66.0	66.1	0.1	0.2%
6.3%	65.7	65.8	0.2	0.2%
7.5%	65.4	64.9	-0.4	-0.7%
8.8%	65.1	64.7	-0.3	-0.5%
10.0%	64.9	64.4	-0.5	-0.8%
11.3%	64.3	64.3	-0.1	-0.1%
12.5%	64.3	64.2	-0.1	-0.1%
13.8%	64.0	64.0	0.0	0.1%
15.0%	63.8	63.8	0.0	0.0%
16.3%	63.6	63.8	0.2	0.3%
17.5%	63.5	63.7	0.2	0.2%
18.8%	63.5	63.5	0.0	0.1%
20.0%	63.2	63.3	0.1	0.2%
21.3%	63.0	63.3	0.2	0.4%
22.5%	63.0	63.0	0.0	0.0%
23.8%	62.9	62.8	-0.1	-0.1%
25.0%	62.9	62.8	-0.1	-0.1%
26.3%	62.7	62.7	0.0	0.1%
27.5%	62.7	62.7	0.0	0.0%
28.8%	62.6	62.3	-0.3	-0.6%
30.0%	62.4	62.2	-0.2	-0.3%
31.3%	62.4	62.2	-0.2	-0.4%
32.5%	62.4	62.1	-0.3	-0.5%
33.8%	62.1	62.0	0.0	-0.1%
35.0%	62.1	62.0	-0.1	-0.2%
36.3%	61.8	61.8	0.0	0.0%
37.5%	61.8	61.5	-0.2	-0.4%
38.8%	61.4	61.3	-0.1	-0.2%
40.0%	60.9	61.0	0.1	0.1%
41.3%	60.7	60.7	0.0	0.0%
42.5%	60.6	60.2	-0.4	-0.7%
43.8%	60.3	60.2	-0.2	-0.3%
45.0%	60.1	60.1	0.0	0.0%
46.3%	60.1	60.1	0.0	0.0%
47.5%	60.1	60.1	0.0	0.0%
48.8%	60.0	60.0	0.0	0.0%
50.0%	59.8	60.0	0.2	0.4%
51.3%	59.7	59.9	0.2	0.4%
52.5%	59.7	59.9	0.2	0.3%
53.8%	59.7	59.6	-0.1	-0.2%
55.0%	59.4	59.4	0.0	0.1%
56.3%	59.2	59.3	0.1	0.1%
57.5%	59.2	59.3	0.1	0.2%
58.8%	59.1	59.3	0.2	0.3%
60.0%	59.0	59.2	0.2	0.4%
61.3%	58.9	59.2	0.3	0.6%
62.5%	58.8	59.1	0.3	0.5%
63.8%	58.8	59.0	0.3	0.5%
65.0%	58.7	59.0	0.2	0.4%
66.3%	58.7	59.0	0.2	0.3%
67.5%	58.7	58.8	0.2	0.3%
68.8%	58.4	58.8	0.4	0.7%
70.0%	58.4	58.7	0.3	0.5%
71.3%	58.3	58.6	0.3	0.5%
72.5%	58.3	58.5	0.2	0.3%
73.8%	58.3	58.5	0.2	0.3%
75.0%	58.1	58.4	0.2	0.4%
76.3%	58.1	58.3	0.2	0.4%
77.5%	58.1	58.1	0.0	0.0%
78.8%	58.1	58.1	0.0	0.0%
80.0%	58.1	58.1	0.0	0.0%
81.3%	58.0	58.0	0.1	0.1%
82.5%	57.9	58.0	0.2	0.3%
83.8%	57.8	58.0	0.2	0.3%
85.0%	57.8	58.0	0.2	0.3%
86.3%	57.6	57.8	0.2	0.3%
87.5%	57.6	57.6	0.0	0.0%
88.8%	57.2	57.5	0.2	0.4%
90.0%	57.1	57.1	0.0	0.1%
91.3%	57.0	57.1	0.1	0.1%
92.5%	57.0	56.8	-0.2	-0.4%
93.8%	56.7	56.7	0.0	0.0%
95.0%	56.7	56.7	0.0	0.0%
96.3%	56.4	56.3	-0.1	-0.1%
97.5%	56.3	56.2	-0.2	-0.3%
98.8%	56.2	55.6	-0.6	-1.0%
100.0%	55.4	55.3	-0.1	-0.2%

Table SQ-**41**-1b
American River at the Mouth, Monthly Temperature
Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative A Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	76.0	75.3	-0.8	-1.0%
1.3%	73.8	74.2	0.3	0.5%
2.5%	73.1	73.9	0.8	1.0%
3.8%	72.0	72.2	0.2	0.3%
5.0%	70.5	69.1	-1.4	-1.9%
6.3%	67.3	66.9	-0.3	-0.5%
7.5%	67.1	66.9	-0.2	-0.3%
8.8%	67.1	66.9	-0.2	-0.3%
10.0%	67.1	66.7	-0.3	-0.5%
11.3%	66.9	66.7	-0.2	-0.3%
12.5%	66.9	66.7	-0.2	-0.3%
13.8%	66.8	66.5	-0.3	-0.4%
15.0%	66.7	66.5	-0.2	-0.3%
16.3%	66.5	66.5	-0.1	-0.1%
17.5%	66.4	66.4	0.1	0.1%
18.8%	66.3	66.4	0.1	0.1%
20.0%	66.3	66.4	0.0	0.0%
21.3%	66.3	66.0	-0.2	-0.4%
22.5%	66.0	65.9	-0.1	-0.2%
23.8%	66.0	65.8	-0.2	-0.2%
25.0%	65.6	65.8	0.2	0.2%
26.3%	65.4	65.5	0.1	0.1%
27.5%	65.4	65.4	0.0	0.0%
28.8%	65.2	65.1	-0.1	-0.1%
30.0%	65.2	65.1	-0.1	-0.1%
31.3%	65.1	64.8	-0.3	-0.5%
32.5%	64.9	64.8	-0.1	-0.1%
33.8%	64.3	64.6	0.3	0.5%
35.0%	64.3	64.3	0.1	0.2%
36.3%	64.1	64.2	0.1	0.1%
37.5%	64.0	64.0	0.0	0.0%
38.8%	63.7	63.7	0.0	-0.1%
40.0%	63.7	63.6	-0.1	-0.1%
41.3%	63.5	63.6	0.0	0.1%
42.5%	63.4	63.4	0.0	0.0%
43.8%	63.4	63.3	0.0	0.0%
45.0%	63.3	63.2	-0.1	-0.2%
46.3%	63.1	63.2	0.1	0.2%
47.5%	63.0	63.1	0.1	0.1%
48.8%	63.0	63.1	0.1	0.2%
50.0%	62.9	63.0	0.1	0.2%
51.3%	62.8	62.9	0.2	0.3%
52.5%	62.7	62.9	0.3	0.4%
53.8%	62.5	62.9	0.3	0.5%
55.0%	62.5	62.8	0.3	0.6%
56.3%	62.5	62.8	0.3	0.5%
57.5%	62.4	62.7	0.2	0.4%
58.8%	62.3	62.7	0.4	0.6%
60.0%	62.0	62.4	0.4	0.7%
61.3%	62.0	62.4	0.4	0.6%
62.5%	62.0	62.3	0.3	0.5%
63.8%	61.8	62.1	0.3	0.5%
65.0%	61.8	62.0	0.2	0.4%
66.3%	61.7	62.0	0.3	0.4%
67.5%	61.7	61.9	0.2	0.4%
68.8%	61.7	61.9	0.2	0.3%
70.0%	61.7	61.9	0.2	0.3%
71.3%	61.6	61.6	0.0	0.0%
72.5%	61.6	61.6	0.0	-0.1%
73.8%	61.5	61.5	0.0	0.0%
75.0%	61.5	61.5	0.0	0.0%
76.3%	61.2	61.4	0.2	0.4%
77.5%	61.1	61.2	0.1	0.2%
78.8%	60.9	61.0	0.1	0.2%
80.0%	60.7	60.9	0.2	0.3%
81.3%	60.7	60.8	0.0	0.1%
82.5%	60.7	60.7	0.0	0.0%
83.8%	60.7	60.7	0.0	0.0%
85.0%	60.6	60.6	0.0	0.0%
86.3%	60.6	60.6	0.0	0.0%
87.5%	60.5	60.5	0.0	0.1%
88.8%	60.4	60.4	0.0	0.0%
90.0%	60.3	60.4	0.2	0.3%
91.3%	60.2	60.3	0.1	0.2%
92.5%	60.1	60.1	0.0	0.0%
93.8%	59.5	59.5	0.0	0.1%
95.0%	59.2	59.2	0.0	-0.1%
96.3%	58.8	58.8	0.0	0.0%
97.5%	58.7	58.6	-0.1	-0.1%
98.8%	58.1	58.0	0.0	0.0%
100.0%	57.8	58.0	0.2	0.4%

July

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative A Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	82.2	84.1	1.9	2.3%
1.3%	74.9	75.6	0.7	0.9%
2.5%	74.2	74.9	0.7	0.9%
3.8%	73.8	73.9	0.2	0.2%
5.0%	72.8	70.9	-2.0	-2.7%
6.3%	71.9	70.8	-1.1	-1.5%
7.5%	70.5	70.6	0.1	0.2%
8.8%	69.9	70.6	0.7	1.0%
10.0%	69.4	70.5	1.1	1.6%
11.3%	69.4	69.6	0.2	0.3%
12.5%	69.3	69.5	0.2	0.3%
13.8%	69.1	69.3	0.2	0.2%
15.0%	68.7	68.9	0.3	0.4%
16.3%	68.6	68.6	0.0	0.0%
17.5%	68.3	68.2	-0.2	-0.2%
18.8%	67.9	68.0	0.0	0.1%
20.0%	67.9	67.6	-0.3	-0.4%
21.3%	67.8	66.9	-0.9	-1.3%
22.5%	67.0	66.8	-0.2	-0.3%
23.8%	67.0	66.8	-0.2	-0.3%
25.0%	66.8	66.8	0.0	0.1%
26.3%	66.7	66.6	-0.1	-0.1%
27.5%	66.5	66.6	0.1	0.2%
28.8%	66.4	66.4	0.0	0.1%
30.0%	66.3	66.4	0.1	0.1%
31.3%	66.3	66.2	-0.1	-0.1%
32.5%	66.2	66.2	0.0	0.0%
33.8%	66.2	66.2	0.0	0.0%
35.0%	66.1	66.2	0.1	0.1%
36.3%	66.0	66.1	0.1	0.2%
37.5%	66.0	66.1	0.2	0.3%
38.8%	65.9	66.1	0.2	0.3%
40.0%	65.9	66.1	0.2	0.3%
41.3%	65.8	66.0	0.2	0.2%
42.5%	65.8	65.9	0.1	0.2%
43.8%	65.8	65.9	0.1	0.2%
45.0%	65.8	65.8	0.0	0.1%
46.3%	65.7	65.8	0.1	0.1%
47.5%	65.7	65.8	0.2	0.3%
48.8%	65.6	65.8	0.2	0.3%
50.0%	65.6	65.8	0.2	0.3%
51.3%	65.5	65.7	0.2	0.3%
52.5%	65.5	65.7	0.2	0.3%
53.8%	65.4	65.7	0.2	0.4%
55.0%	65.4	65.6	0.2	0.3%
56.3%	65.4	65.5	0.1	0.2%
57.5%	65.4	65.5	0.1	0.2%
58.8%	65.4	65.5	0.1	0.2%
60.0%	65.3	65.4	0.1	0.2%
61.3%	65.3	65.4	0.1	0.2%
62.5%	65.2	65.4	0.3	0.4%
63.8%	65.2	65.4	0.2	0.3%
65.0%	65.2	65.3	0.2	0.3%
66.3%	65.1	65.3	0.2	0.3%
67.5%	65.1	65.3	0.2	0.3%
68.8%	65.0	65.3	0.3	0.4%
70.0%	65.0	65.1	0.1	0.2%
71.3%	65.0	65.1	0.1	0.2%
72.5%	65.0	65.1	0.1	0.2%
73.8%	65.0	65.1	0.1	0.2%
75.0%	64.9	65.1	0.2	0.3%
76.3%	64.7	65.1	0.3	0.5%
77.5%	64.7	64.7	0.0	0.0%
78.8%	64.6	64.7	0.1	0.1%
80.0%	64.6	64.6	0.0	0.0%
81.3%	64.6	64.6	0.0	0.0%
82.5%	64.6	64.5	0.0	0.0%
83.8%	64.6	64.5	-0.1	-0.1%
85.0%	64.5	64.5	0.0	0.0%
86.3%	64.4	64.5	0.1	0.1%
87.5%	64.3	64.3	0.1	0.1%
88.8%	64.2	64.3	0.1	0.2%
90.0%	64.2	64.2	0.1	0.1%
91.3%	64.1	64.2	0.1	0.1%
92.5%	64.1	64.0	-0.1	-0.1%
93.8%	64.0	64.0	0.0	0.0%
95.0%	63.6	63.6	0.0	-0.1%
96.3%	63.4	63.4	0.0	-0.1%
97.5%	63.0	62.9	-0.1	-0.2%
98.8%	61.9	62.3	0.4	0.7%
100.0%	61.7	61.8	0.1	0.2%

August

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative A Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	82.7	81.0	-1.8	-2.1%
1.3%	78.1	75.5	-2.6	-3.3%
2.5%	75.5	74.5	-1.0	-1.3%
3.8%	74.5	74.3	-0.2	-0.3%
5.0%	73.6	71.7	-1.9	-2.6%
6.3%	73.2	71.4	-1.8	-2.5%
7.5%	71.6	71.3	-0.3	-0.4%
8.8%	71.0	70.9	-0.1	-0.2%
10.0%	70.6	70.5	0.0	-0.1%
11.3%	70.4	70.3	-0.2	-0.2%
12.5%	70.1	69.9	-0.2	-0.3%
13.8%	69.9	69.9	-0.1	-0.1%
15.0%	69.8	69.8	0.0	0.0%
16.3%	69.6	69.8	0.2	0.2%
17.5%	69.5	69.7	0.2	0.3%
18.8%	69.5	69.5	0.1	0.1%
20.0%	68.9	69.4	0.5	0.8%
21.3%	68.5	68.4	-0.1	-0.1%
22.5%	68.4	68.4	0.0	0.0%
23.8%	68.3	67.9	-0.4	-0.6%
25.0%	68.3	67.7	-0.5	-0.7%
26.3%	68.0	67.6	-0.4	-0.5%
27.5%	67.9	67.6	-0.3	-0.4%
28.8%	67.7	67.6	-0.1	-0.1%
30.0%	67.6	67.4	-0.1	-0.2%
31.3%	67.5	67.4	-0.1	-0.2%
32.5%	67.5	67.4	-0.1	-0.1%
33.8%	67.5	67.4	-0.1	-0.1%
35.0%	67.4	67.4	0.0	0.0%
36.3%	67.4	67.4	0.0	0.0%
37.5%	67.4	67.3	0.0	0.0%
38.8%	67.3	67.3	0.0	0.0%
40.0%	67.3	67.3	-0.1	-0.1%
41.3%	67.3	67.3	-0.1	-0.1%
42.5%	67.3	67.3	-0.1	-0.1%
43.8%	67.3	67.2	-0.1	-0.1%
45.0%	67.3	67.2	0.0	-0.1%
46.3%	67.3	67.1	-0.2	-0.2%
47.5%	67.2	67.1	-0.2	-0.2%
48.8%	67.2	67.1	-0.1	-0.2%
50.0%	67.2	67.1	-0.1	-0.2%
51.3%	67.2	67.0	-0.2	-0.2%
52.5%	67.1	67.0	-0.2	-0.3%
53.8%	67.1	66.9	-0.3	-0.4%
55.0%	67.1	66.9	-0.2	-0.3%
56.3%	67.0	66.8	-0.1	-0.2%
57.5%	66.9	66.8	-0.1	-0.2%
58.8%	66.9	66.8	-0.1	-0.1%
60.0%	66.8	66.8	0.0	0.0%
61.3%	66.7	66.7	0.0	0.0%
62.5%	66.7	66.7	0.0	0.0%
63.8%	66.7	66.6	-0.1	-0.1%
65.0%	66.7	66.6	-0.1	-0.2%
66.3%	66.6	66.6	0.0	-0.1%
67.5%	66.6	66.5	-0.1	-0.1%
68.8%	66.5	66.5	0.0	0.0%
70.0%	66.5	66.5	0.0	-0.1%
71.3%	66.5	66.5	0.0	0.0%
72.5%	66.4	66.4	0.0	0.0%
73.8%	66.4	66.2	-0.2	-0.3%
75.0%	66.4	66.1	-0.3	-0.4%
76.3%	66.3	66.0	-0.3	-0.5%
77.5%	66.3	65.9	-0.3	-0.5%
78.8%	66.2	65.9	-0.3	-0.5%
80.0%	66.0	65.8	-0.2	-0.3%
81.3%	65.8	65.6	-0.3	-0.4%
82.5%	65.6	65.6	0.0	0.0%
83.8%	65.6	65.5	-0.1	-0.1%
85.0%	65.6	65.4	-0.2	-0.2%
86.3%	65.5	65.4	-0.1	-0.1%
87.5%	65.4	65.4	0.0	-0.1%
88.8%	65.3	65.3	0.0	0.1%
90.0%	65.3	65.3	0.0	0.1%
91.3%	65.1	65.3	0.2	0.3%
92.5%	65.1	65.3	0.2	0.3%
93.8%	65.1	65.3	0.3	0.4%
95.0%	65.0	65.3	0.3	0.4%
96.3%	64.9	65.1	0.2	0.3%
97.5%	64.9	65.0	0.1	0.1%
98.8%	64.9	64.9	0.0	0.0%
100.0%	64.7	64.7	0.1	0.1%

September

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative A Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	76.5	75.8	-0.7	-0.9%
1.3%	75.6	75.5	-0.1	-0.1%
2.5%	74.6	72.3	-2.2	-3.0%
3.8%	72.7	71.9	-0.8	-1.1%
5.0%	71.5	71.9	0.4	0.6%
6.3%	70.5	70.3	-0.3	-0.4%
7.5%	70.4	70.0	-0.4	-0.6%
8.8%	70.3	69.5	-0.7	-1.1%
10.0%	70.3	69.5	-0.8	-1.1%
11.3%	69.6	69.4	-0.2	-0.3%
12.5%	69.4	69.3	-0.1	-0.1%
13.8%	69.4	69.3	0.0	-0.1%
15.0%	69.3	69.2	-0.1	-0.1%
16.3%	68.4	68.8	0.5	0.7%
17.5%	68.0	68.7	0.7	1.0%
18.8%	67.9	68.3	0.4	0.6%
20.0%	67.9	67.9	-0.1	-0.1%
21.3%	67.6	67.3	-0.3	-0.5%
22.5%	67.5	67.2	-0.3	-0.4%
23.8%	67.2	66.8	-0.4	-0.7%
25.0%	67.2	66.7	-0.5	-0.8%
26.3%	67.1	66.5	-0.6	-0.9%
27.5%	66.8	66.4	-0.4	-0.6%
28.8%	66.8	66.3	-0.4	-0.6%
30.0%	66.6	66.3	-0.3	-0.4%
31.3%	66.6	66.2	-0.4	-0.6%
32.5%	66.6	66.2	-0.4	-0.6%
33.8%	66.3	66.2	-0.1	-0.1%
35.0%	66.3	66.2	-0.1	-0.2%
36.3%	66.3	66.1	-0.1	-0.2%
37.5%	66.2	66.1	-0.1	-0.1%
38.8%	66.2	66.1	0.0	0.0%
40.0%	66.1	66.1	0.1	0.1%
41.3%	66.0	66.1	0.1	0.2%
42.5%	66.0	66.1	0.1	0.2%
43.8%	65.9	66.0	0.1	0.2%
45.0%	65.9	66.0	0.1	0.2%
46.3%	65.9	66.0	0.1	0.2%
47.5%	65.9	66.0	0.1	0.2%
48.8%	65.8	66.0	0.2	0.2%
50.0%	65.8	65.9	0.1	0.2%
51.3%	65.7	65.9	0.1	0.3%
52.5%	65.7	65.8	0.1	0.2%
53.8%	65.7	65.8	0.2	0.2%
55.0%	65.7	65.8	0.2	0.2%
56.3%	65.6	65.8	0.1	0.3%
57.5%	65.6	65.8	0.1	0.2%
58.8%	65.5	65.7	0.2	0.4%
60.0%	65.5	65.5	0.0	0.0%
61.3%	65.5	65.4	0.0	0.0%
62.5%	65.5	65.3	-0.2	-0.3%
63.8%	65.4	65.3	-0.2	-0.2%
65.0%	65.4	65.2	-0.2	-0.3%
66.3%	65.3	65.2	-0.1	-0.1%
67.5%	65.2	65.2	0.0	0.0%
68.8%	65.1	65.0	-0.1	-0.2%
70.0%	64.9	64.8	-0.1	-0.1%
71.3%	64.8	64.6	-0.1	-0.2%
72.5%	64.7	64.6	-0.1	-0.2%
73.8%	64.7	64.6	-0.1	-0.1%
75.0%	64.6	64.6	0.0	-0.1%
76.3%	64.6	64.5	-0.1	-0.1%
77.5%	64.5	64.4	-0.1	-0.2%
78.8%	64.5	64.4	-0.1	-0.2%
80.0%	64.4	64.4	-0.1	-0.1%
81.3%	64.4	64.3	-0.1	-0.1%
82.5%	64.3	64.3	0.0	0.0%
83.8%	64.2	64.2	0.0	0.0%
85.0%	64.2	64.2	0.0	0.0%
86.3%	64.2	64.2	0.0	0.0%
87.5%	64.2	64.2	0.0	-0.1%
88.8%	64.2	64.1	0.0	-0.1%
90.0%	64.2	64.1	-0.1	-0.1%
91.3%	64.1	64.0	0.0	-0.1%
92.5%	64.0	64.0	0.0	0.0%
93.8%	63.8	64.0	0.1	0.2%
95.0%	63.8	64.0	0.1	0.2%
96.3%	63.8	63.9	0.1	0.1%
97.5%	63.8	63.7	-0.1	-0.2%
98.8%	63.8	63.7	-0.1	-0.1%
100.0%	63.5	63.3	-0.2	-0.2%

Table SQ 39-2a
American River below Nimbus Dam, Monthly Temperature
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Temperature (DEG-F)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	61.0	56.9	51.2	47.4	48.1	50.7	53.6	55.7	58.3	61.3	62.3	62.3
Alternative B	60.7	56.9	51.3	47.5	48.2	50.7	53.6	55.6	58.4	61.3	62.2	62.3
Difference	-0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	-0.1	0.0
Percent Difference[3]	-0.5%	0.0%	0.1%	0.1%	0.0%	0.0%	0.1%	-0.1%	0.1%	0.1%	-0.1%	0.0%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	59.6	56.5	51.8	47.4	48.1	50.0	52.5	53.6	56.1	59.2	60.7	61.0
Alternative B	59.3	56.4	51.9	47.4	48.2	50.0	52.4	53.6	56.0	59.3	60.8	61.1
Difference	-0.3	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0	0.1	0.1
Percent Difference	-0.5%	-0.1%	0.1%	0.1%	0.0%	0.0%	-0.1%	-0.1%	-0.1%	0.0%	0.2%	0.2%
Above Normal (15%)												
No Action Alternative	60.0	56.4	50.8	47.6	47.8	50.1	52.8	54.4	57.1	60.3	61.1	60.9
Alternative B	59.4	56.4	50.9	47.6	47.8	50.2	53.1	54.5	57.2	60.3	61.1	61.1
Difference	-0.5	0.0	0.1	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.2
Percent Difference	-0.9%	0.0%	0.3%	0.1%	0.1%	0.3%	0.4%	0.2%	0.2%	0.0%	0.0%	0.4%
Below Normal (17%)												
No Action Alternative	60.5	57.0	51.5	47.3	47.5	50.6	53.5	55.2	57.8	60.9	61.2	60.9
Alternative B	60.5	57.0	51.5	47.3	47.5	50.6	53.6	55.3	58.0	60.7	61.3	61.1
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.2	0.0	0.2
Percent Difference	0.0%	-0.1%	0.1%	0.0%	0.0%	-0.1%	0.1%	0.0%	0.2%	-0.3%	0.0%	0.3%
Dry (22%)												
No Action Alternative	62.1	57.3	51.3	47.5	48.5	51.0	54.2	56.9	59.4	61.8	62.7	62.7
Alternative B	61.5	57.3	51.4	47.6	48.4	51.0	54.3	57.0	59.6	61.6	62.6	62.5
Difference	-0.6	0.0	0.1	0.1	-0.1	0.0	0.1	0.2	0.1	-0.2	-0.1	-0.2
Percent Difference	-0.9%	0.0%	0.2%	0.1%	-0.2%	-0.1%	0.2%	0.3%	0.2%	-0.3%	-0.1%	-0.3%
Critical (15%)												
No Action Alternative	64.0	57.8	50.1	47.3	48.8	52.3	55.8	60.0	63.4	66.3	67.5	67.3
Alternative B	63.9	57.9	50.2	47.4	48.9	52.4	55.8	59.5	63.5	67.1	66.9	67.0
Difference	-0.1	0.1	0.1	0.1	0.2	0.1	-0.1	-0.5	0.1	0.8	-0.6	-0.3
Percent Difference	-0.1%	0.2%	0.2%	0.1%	0.3%	0.2%	-0.1%	-0.9%	0.1%	1.2%	-0.9%	-0.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

American River below Nimbus Dam, Monthly Temperature — Full Simulation Period

American River below Nimbus Dam, Monthly Temperature — Wet Water Year Types (32%)

American River below Nimbus Dam, Monthly Temperature — Above Normal Water Year Types (15%)

American River below Nimbus Dam, Monthly Temperature — Below Normal Water Year Types (17%)

American River below Nimbus Dam, Monthly Temperature — Dry Water Year Types (22%)

American River below Nimbus Dam, Monthly Temperature — Critical Water Year Types (15%)

Figure SQ-39-2b
American River below Nimbus Dam, Monthly Temperature
Probability of Exceedance
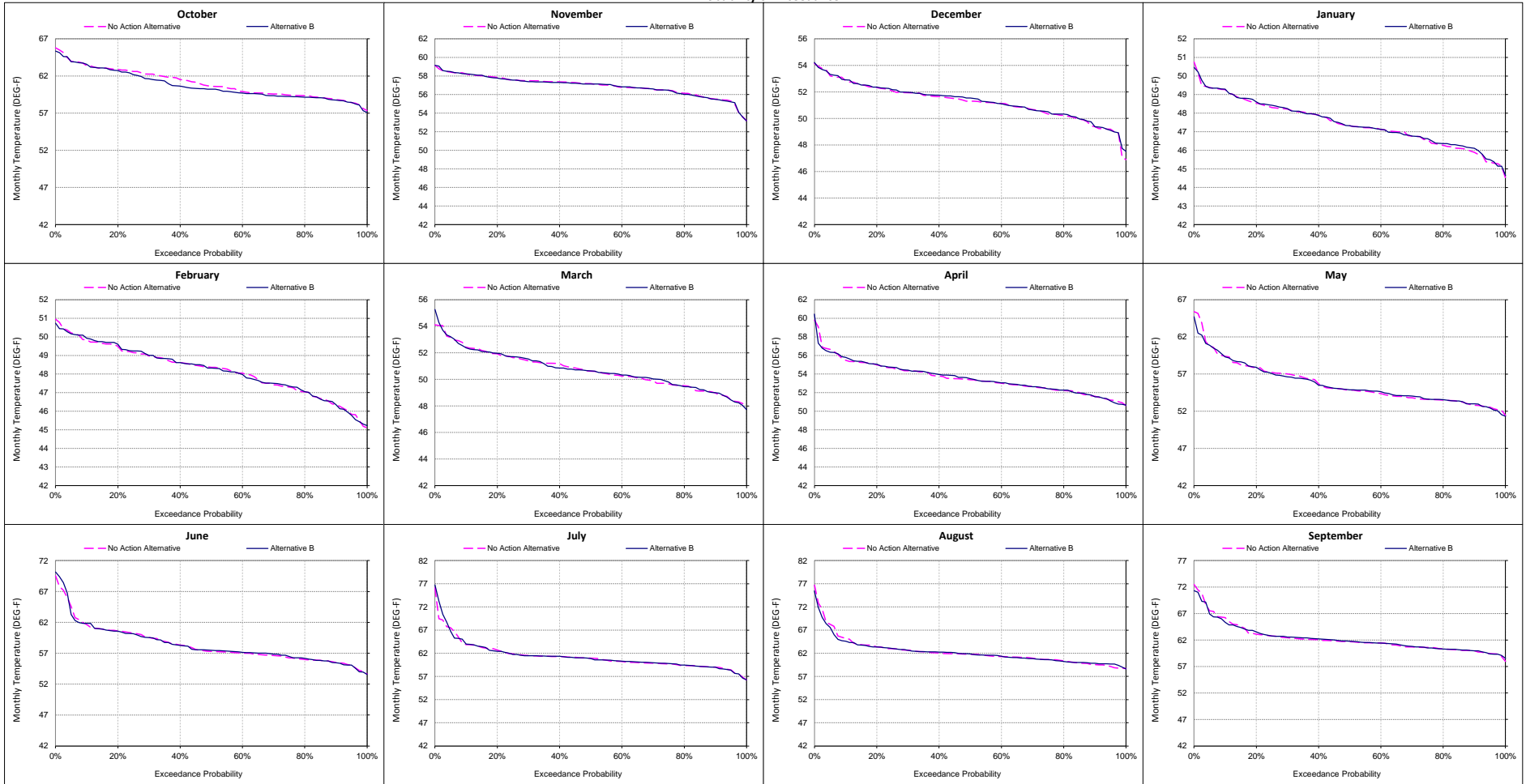
Table SQ-**39**-2b
American River below Nimbus Dam, Monthly Temperature
Probability of Exceedance

October

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	65.8	65.4	-0.4	-0.7%
1.3%	65.5	65.1	-0.4	-0.6%
2.5%	65.2	64.6	-0.5	-0.8%
3.8%	64.5	64.6	0.1	0.2%
5.0%	64.0	63.9	0.0	0.0%
6.3%	64.0	63.9	-0.1	-0.1%
7.5%	63.9	63.8	-0.1	-0.1%
8.8%	63.7	63.8	0.0	0.0%
10.0%	63.4	63.6	0.2	0.3%
11.3%	63.3	63.2	-0.2	-0.3%
12.5%	63.2	63.2	0.0	0.0%
13.8%	63.1	63.1	0.0	0.0%
15.0%	63.1	63.1	0.0	0.0%
16.3%	63.1	63.1	0.0	0.0%
17.5%	63.0	62.8	-0.1	-0.2%
18.8%	62.9	62.8	-0.2	-0.2%
20.0%	62.9	62.7	-0.2	-0.3%
21.3%	62.8	62.5	-0.3	-0.4%
22.5%	62.8	62.5	-0.3	-0.4%
23.8%	62.7	62.4	-0.3	-0.4%
25.0%	62.6	62.2	-0.4	-0.7%
26.3%	62.6	62.1	-0.5	-0.8%
27.5%	62.4	61.9	-0.5	-0.8%
28.8%	62.3	61.7	-0.6	-1.0%
30.0%	62.3	61.6	-0.6	-1.0%
31.3%	62.3	61.5	-0.7	-1.2%
32.5%	62.1	61.4	-0.7	-1.0%
33.8%	62.0	61.4	-0.6	-1.0%
35.0%	61.9	61.3	-0.6	-0.9%
36.3%	61.8	61.0	-0.9	-1.4%
37.5%	61.8	60.7	-1.1	-1.8%
38.8%	61.8	60.7	-1.1	-1.7%
40.0%	61.5	60.7	-0.9	-1.4%
41.3%	61.5	60.5	-0.9	-1.5%
42.5%	61.4	60.4	-1.0	-1.5%
43.8%	61.2	60.4	-0.9	-1.4%
45.0%	61.2	60.3	-0.8	-1.4%
46.3%	61.0	60.3	-0.7	-1.1%
47.5%	60.8	60.3	-0.5	-0.8%
48.8%	60.7	60.2	-0.5	-0.8%
50.0%	60.6	60.2	-0.4	-0.6%
51.3%	60.6	60.2	-0.4	-0.6%
52.5%	60.6	60.1	-0.5	-0.8%
53.8%	60.6	60.0	-0.6	-1.0%
55.0%	60.4	59.9	-0.5	-0.8%
56.3%	60.3	59.9	-0.4	-0.7%
57.5%	60.3	59.8	-0.5	-0.8%
58.8%	60.0	59.7	-0.2	-0.4%
60.0%	59.9	59.7	-0.2	-0.4%
61.3%	59.8	59.6	-0.2	-0.3%
62.5%	59.8	59.6	-0.1	-0.2%
63.8%	59.7	59.6	-0.1	-0.2%
65.0%	59.7	59.6	-0.1	-0.2%
66.3%	59.7	59.6	-0.1	-0.2%
67.5%	59.6	59.4	-0.2	-0.4%
68.8%	59.6	59.4	-0.2	-0.4%
70.0%	59.6	59.3	-0.2	-0.4%
71.3%	59.6	59.3	-0.3	-0.5%
72.5%	59.6	59.3	-0.3	-0.5%
73.8%	59.5	59.3	-0.2	-0.3%
75.0%	59.4	59.3	-0.2	-0.3%
76.3%	59.4	59.2	-0.2	-0.3%
77.5%	59.4	59.2	-0.2	-0.3%
78.8%	59.4	59.2	-0.2	-0.3%
80.0%	59.4	59.2	-0.2	-0.4%
81.3%	59.4	59.1	-0.2	-0.4%
82.5%	59.2	59.1	-0.1	-0.1%
83.8%	59.2	59.1	-0.1	-0.1%
85.0%	59.1	59.1	0.0	0.0%
86.3%	59.0	59.0	0.0	0.0%
87.5%	59.0	58.9	-0.1	-0.2%
88.8%	58.9	58.8	-0.1	-0.2%
90.0%	58.8	58.8	-0.1	-0.1%
91.3%	58.8	58.7	-0.1	-0.1%
92.5%	58.7	58.6	-0.1	-0.1%
93.8%	58.5	58.5	0.0	-0.1%
95.0%	58.4	58.5	0.0	0.1%
96.3%	58.3	58.2	-0.1	-0.2%
97.5%	58.1	58.1	0.0	0.0%
98.8%	57.6	57.3	-0.3	-0.5%
100.0%	57.3	57.1	-0.3	-0.5%

November

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	59.1	59.2	0.0	0.0%
1.3%	58.8	59.1	0.3	0.5%
2.5%	58.6	58.6	0.0	0.0%
3.8%	58.5	58.5	0.0	0.0%
5.0%	58.4	58.5	0.1	0.1%
6.3%	58.4	58.4	0.0	0.0%
7.5%	58.4	58.3	0.0	-0.1%
8.8%	58.3	58.3	-0.1	-0.1%
10.0%	58.2	58.2	0.0	0.0%
11.3%	58.1	58.2	0.1	0.1%
12.5%	58.1	58.1	0.1	0.1%
13.8%	58.0	58.1	0.0	0.1%
15.0%	58.0	58.1	0.1	0.1%
16.3%	58.0	58.0	-0.1	0.0%
17.5%	57.9	57.8	-0.1	-0.2%
18.8%	57.9	57.8	-0.1	-0.2%
20.0%	57.8	57.8	-0.1	-0.1%
21.3%	57.8	57.7	-0.1	-0.2%
22.5%	57.7	57.7	0.0	-0.1%
23.8%	57.6	57.6	0.0	0.1%
25.0%	57.6	57.6	0.0	0.0%
26.3%	57.5	57.6	0.0	0.0%
27.5%	57.5	57.5	0.0	-0.1%
28.8%	57.5	57.5	0.0	0.1%
30.0%	57.5	57.4	-0.1	-0.2%
31.3%	57.5	57.4	-0.1	-0.2%
32.5%	57.5	57.3	-0.1	-0.2%
33.8%	57.5	57.3	-0.1	-0.2%
35.0%	57.4	57.3	-0.1	-0.1%
36.3%	57.4	57.3	-0.1	-0.1%
37.5%	57.4	57.3	-0.1	-0.1%
38.8%	57.4	57.3	-0.1	-0.1%
40.0%	57.4	57.3	-0.1	-0.1%
41.3%	57.4	57.3	-0.1	-0.1%
42.5%	57.3	57.3	0.0	-0.1%
43.8%	57.3	57.2	-0.1	-0.1%
45.0%	57.3	57.2	-0.1	-0.1%
46.3%	57.2	57.2	0.0	-0.1%
47.5%	57.2	57.2	0.0	-0.1%
48.8%	57.2	57.1	0.0	-0.1%
50.0%	57.2	57.1	0.0	-0.1%
51.3%	57.1	57.1	0.0	0.0%
52.5%	57.1	57.1	0.0	0.1%
53.8%	57.0	57.1	0.1	0.1%
55.0%	57.0	57.1	0.1	0.1%
56.3%	57.0	57.1	0.1	0.2%
57.5%	57.0	57.0	0.0	0.0%
58.8%	56.8	56.9	0.1	0.1%
60.0%	56.8	56.8	0.1	0.1%
61.3%	56.8	56.8	0.0	0.1%
62.5%	56.8	56.8	0.1	0.1%
63.8%	56.7	56.8	0.0	0.0%
65.0%	56.7	56.7	0.0	0.0%
66.3%	56.7	56.7	0.0	0.0%
67.5%	56.7	56.7	0.0	0.0%
68.8%	56.7	56.6	0.0	0.0%
70.0%	56.5	56.6	0.1	0.2%
71.3%	56.5	56.5	0.0	0.0%
72.5%	56.5	56.5	0.0	0.0%
73.8%	56.5	56.5	0.0	0.0%
75.0%	56.5	56.5	0.0	0.0%
76.3%	56.4	56.4	0.0	-0.1%
77.5%	56.3	56.2	-0.1	-0.2%
78.8%	56.2	56.1	-0.1	-0.1%
80.0%	56.1	56.0	-0.1	-0.2%
81.3%	56.1	56.0	-0.1	-0.2%
82.5%	56.0	56.0	0.0	-0.1%
83.8%	56.0	55.9	-0.1	-0.2%
85.0%	55.8	55.8	0.0	-0.1%
86.3%	55.7	55.7	0.0	0.0%
87.5%	55.6	55.7	0.1	0.1%
88.8%	55.6	55.5	-0.1	-0.1%
90.0%	55.5	55.5	0.0	0.0%
91.3%	55.5	55.4	-0.1	-0.1%
92.5%	55.4	55.4	-0.1	-0.1%
93.8%	55.4	55.3	-0.1	-0.2%
95.0%	55.3	55.2	-0.1	-0.2%
96.3%	55.0	55.1	0.2	0.3%
97.5%	54.1	54.1	0.0	0.1%
98.8%	53.6	53.6	0.0	0.0%
100.0%	53.2	53.2	0.0	0.0%

December

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	54.1	54.2	0.1	0.1%
1.3%	53.9	53.8	-0.1	-0.1%
2.5%	53.8	53.7	-0.1	-0.1%
3.8%	53.7	53.6	-0.1	-0.1%
5.0%	53.2	53.3	0.1	0.2%
6.3%	53.1	53.3	0.1	0.2%
7.5%	53.1	53.2	0.1	0.2%
8.8%	53.1	52.9	-0.2	-0.3%
10.0%	52.8	52.9	0.1	0.1%
11.3%	52.8	52.9	0.1	0.3%
12.5%	52.7	52.6	-0.1	-0.2%
13.8%	52.6	52.6	0.0	0.0%
15.0%	52.5	52.5	0.0	-0.1%
16.3%	52.5	52.5	0.0	0.0%
17.5%	52.4	52.5	0.1	0.2%
18.8%	52.4	52.4	0.0	0.0%
20.0%	52.3	52.4	0.0	0.1%
21.3%	52.3	52.3	0.0	0.1%
22.5%	52.2	52.3	0.0	0.1%
23.8%	52.2	52.3	0.1	0.2%
25.0%	52.1	52.2	0.1	0.2%
26.3%	52.0	52.2	0.2	0.3%
27.5%	52.0	52.0	0.0	0.1%
28.8%	52.0	52.0	0.0	0.1%
30.0%	51.9	52.0	0.0	0.1%
31.3%	51.9	52.0	0.0	0.1%
32.5%	51.9	51.9	0.0	0.0%
33.8%	51.9	51.9	0.0	0.0%
35.0%	51.7	51.8	0.1	0.1%
36.3%	51.7	51.8	0.0	0.1%
37.5%	51.7	51.8	0.1	0.2%
38.8%	51.7	51.8	0.1	0.2%
40.0%	51.6	51.8	0.1	0.2%
41.3%	51.6	51.7	0.1	0.2%
42.5%	51.6	51.7	0.1	0.2%
43.8%	51.5	51.7	0.1	0.3%
45.0%	51.5	51.6	0.1	0.3%
46.3%	51.5	51.6	0.2	0.3%
47.5%	51.4	51.6	0.2	0.4%
48.8%	51.3	51.5	0.3	0.5%
50.0%	51.3	51.5	0.2	0.5%
51.3%	51.3	51.5	0.2	0.4%
52.5%	51.3	51.5	0.2	0.4%
53.8%	51.2	51.3	0.1	0.1%
55.0%	51.2	51.3	0.1	0.1%
56.3%	51.2	51.2	0.0	0.0%
57.5%	51.2	51.2	0.0	0.1%
58.8%	51.1	51.1	0.0	0.0%
60.0%	51.1	51.1	0.0	0.0%
61.3%	51.1	51.0	-0.1	-0.2%
62.5%	51.0	51.0	0.0	-0.1%
63.8%	50.9	50.9	0.0	0.0%
65.0%	50.9	50.9	0.0	0.1%
66.3%	50.9	50.9	0.0	0.0%
67.5%	50.8	50.8	0.0	0.0%
68.8%	50.7	50.7	-0.1	-0.1%
70.0%	50.7	50.7	0.0	0.0%
71.3%	50.6	50.6	-0.1	-0.1%
72.5%	50.6	50.6	0.0	0.0%
73.8%	50.5	50.5	0.1	0.2%
75.0%	50.3	50.5	0.2	0.3%
76.3%	50.3	50.3	0.0	0.1%
77.5%	50.3	50.3	0.0	0.1%
78.8%	50.3	50.3	0.1	0.2%
80.0%	50.2	50.3	0.1	0.2%
81.3%	50.2	50.3	0.1	0.2%
82.5%	50.1	50.2	0.0	0.1%
83.8%	50.0	50.1	0.1	0.2%
85.0%	49.9	50.0	0.0	0.0%
86.3%	49.9	49.9	0.0	0.0%
87.5%	49.8	49.8	0.1	0.1%
88.8%	49.4	49.8	0.3	0.6%
90.0%	49.4	49.4	0.0	0.0%
91.3%	49.2	49.4	0.1	0.2%
92.5%	49.2	49.3	0.1	0.2%
93.8%	49.2	49.2	0.0	0.0%
95.0%	49.2	49.1	-0.1	-0.2%
96.3%	49.0	49.0	0.0	0.0%
97.5%	49.0	48.9	0.0	-0.1%
98.8%	47.1	47.7	0.7	1.4%
100.0%	46.9	47.5	0.6	1.3%

January

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	50.8	50.5	-0.3	-0.6%
1.3%	50.2	50.2	0.0	0.1%
2.5%	49.5	49.8	0.3	0.6%
3.8%	49.5	49.5	0.0	0.0%
5.0%	49.4	49.4	0.0	0.0%
6.3%	49.3	49.3	0.0	0.0%
7.5%	49.3	49.3	0.0	0.0%
8.8%	49.3	49.3	0.0	0.1%
10.0%	49.3	49.3	0.0	0.0%
11.3%	49.1	49.1	0.0	0.0%
12.5%	49.0	49.0	0.0	0.0%
13.8%	48.9	48.8	0.0	0.0%
15.0%	48.8	48.8	0.0	-0.1%
16.3%	48.7	48.8	0.1	0.1%
17.5%	48.7	48.8	0.1	0.3%
18.8%	48.6	48.7	0.2	0.3%
20.0%	48.5	48.6	0.1	0.1%
21.3%	48.5	48.5	0.0	0.0%
22.5%	48.4	48.5	0.1	0.1%
23.8%	48.4	48.5	0.1	0.2%
25.0%	48.3	48.4	0.1	0.3%
26.3%	48.3	48.4	0.1	0.2%
27.5%	48.3	48.3	0.1	0.2%
28.8%	48.2	48.3	0.1	0.1%
30.0%	48.2	48.2	0.0	0.0%
31.3%	48.2	48.1	0.0	-0.1%
32.5%	48.1	48.1	0.0	0.0%
33.8%	48.1	48.1	0.0	0.0%
35.0%	48.1	48.0	0.0	-0.1%
36.3%	48.0	48.0	0.0	-0.1%
37.5%	48.0	48.0	0.0	0.0%
38.8%	47.9	48.0	0.0	0.0%
40.0%	47.9	47.9	0.0	0.0%
41.3%	47.8	47.8	0.0	0.0%
42.5%	47.8	47.8	0.0	0.0%
43.8%	47.6	47.7	0.1	0.3%
45.0%	47.5	47.5	0.0	0.0%
46.3%	47.4	47.5	0.1	0.1%
47.5%	47.4	47.4	0.0	0.1%
48.8%	47.3	47.3	0.0	0.0%
50.0%	47.3	47.3	0.0	0.0%
51.3%	47.3	47.3	0.0	0.0%
52.5%	47.3	47.3	0.0	0.0%
53.8%	47.2	47.3	0.0	0.0%
55.0%	47.2	47.2	0.0	0.0%
56.3%	47.2	47.2	0.0	0.1%
57.5%	47.2	47.2	0.0	0.0%
58.8%	47.2	47.2	0.0	-0.1%
60.0%	47.1	47.1	0.0	0.0%
61.3%	47.1	47.1	0.0	0.0%
62.5%	47.0	47.0	0.0	-0.1%
63.8%	47.0	47.0	0.0	-0.1%
65.0%	47.0	47.0	0.0	-0.1%
66.3%	47.0	46.9	-0.1	-0.1%
67.5%	47.0	46.8	-0.2	-0.3%
68.8%	46.8	46.8	0.0	0.1%
70.0%	46.8	46.8	0.0	0.0%
71.3%	46.8	46.8	0.0	0.0%
72.5%	46.7	46.7	0.0	0.0%
73.8%	46.6	46.6	0.1	0.1%
75.0%	46.6	46.6	0.0	0.1%
76.3%	46.4	46.5	0.1	0.3%
77.5%	46.3	46.4	0.0	0.1%
78.8%	46.3	46.4	0.1	0.2%
80.0%	46.3	46.4	0.1	0.2%
81.3%	46.2	46.4	0.2	0.3%
82.5%	46.2	46.3	0.1	0.2%
83.8%	46.1	46.3	0.2	0.4%
85.0%	46.1	46.3	0.1	0.3%
86.3%	46.0	46.2	0.2	0.3%
87.5%	46.0	46.2	0.1	0.3%
88.8%	46.0	46.1	0.2	0.4%
90.0%	45.9	46.1	0.2	0.5%
91.3%	45.8	46.0	0.2	0.5%
92.5%	45.8	45.8	0.0	0.0%
93.8%	45.4	45.5	0.2	0.4%
95.0%	45.4	45.5	0.1	0.3%
96.3%	45.3	45.4	0.1	0.2%
97.5%	45.3	45.1	-0.1	-0.3%
98.8%	45.2	45.1	0.0	0.3%
100.0%	44.5	44.7	0.1	0.3%

Table SQ-39-2b
American River below Nimbus Dam, Monthly Temperature
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	51.0	50.7	-0.2	-0.4%
1.3%	50.8	50.4	-0.3	-0.7%
2.5%	50.4	50.4	0.0	0.0%
3.8%	50.4	50.3	-0.1	-0.2%
5.0%	50.2	50.2	0.0	-0.1%
6.3%	50.2	50.1	0.0	-0.1%
7.5%	50.1	50.1	0.0	0.0%
8.8%	49.9	50.1	0.2	0.5%
10.0%	49.8	49.9	0.1	0.2%
11.3%	49.7	49.9	0.2	0.3%
12.5%	49.7	49.8	0.1	0.2%
13.8%	49.7	49.8	0.0	0.1%
15.0%	49.7	49.7	0.1	0.2%
16.3%	49.6	49.7	0.1	0.2%
17.5%	49.6	49.7	0.1	0.2%
18.8%	49.6	49.7	0.1	0.2%
20.0%	49.5	49.6	0.1	0.2%
21.3%	49.2	49.3	0.1	0.2%
22.5%	49.2	49.3	0.1	0.2%
23.8%	49.2	49.3	0.0	0.1%
25.0%	49.2	49.3	0.1	0.2%
26.3%	49.1	49.3	0.1	0.2%
27.5%	49.1	49.2	0.1	0.3%
28.8%	49.1	49.1	0.0	0.0%
30.0%	49.0	49.0	0.0	0.1%
31.3%	49.0	49.0	0.0	0.1%
32.5%	48.9	48.9	0.0	-0.1%
33.8%	48.9	48.8	0.0	-0.1%
35.0%	48.8	48.8	0.0	0.0%
36.3%	48.7	48.8	0.1	0.2%
37.5%	48.6	48.8	0.2	0.3%
38.8%	48.6	48.6	0.0	0.0%
40.0%	48.6	48.6	0.0	0.0%
41.3%	48.6	48.6	0.0	0.0%
42.5%	48.5	48.5	0.0	0.0%
43.8%	48.5	48.5	0.0	0.1%
45.0%	48.5	48.5	0.0	0.1%
46.3%	48.4	48.5	0.1	0.1%
47.5%	48.4	48.5	0.1	0.1%
48.8%	48.4	48.3	-0.1	-0.1%
50.0%	48.4	48.3	0.0	-0.1%
51.3%	48.4	48.3	0.0	-0.1%
52.5%	48.3	48.3	0.0	-0.1%
53.8%	48.3	48.2	-0.1	-0.3%
55.0%	48.3	48.2	-0.1	-0.2%
56.3%	48.2	48.1	0.0	-0.1%
57.5%	48.1	48.1	0.0	0.1%
58.8%	48.0	48.0	0.0	0.0%
60.0%	48.0	48.0	-0.1	-0.2%
61.3%	48.0	47.8	-0.2	-0.4%
62.5%	48.0	47.8	-0.2	-0.4%
63.8%	47.9	47.7	-0.2	-0.3%
65.0%	47.7	47.7	0.0	-0.1%
66.3%	47.5	47.6	0.0	0.1%
67.5%	47.5	47.5	0.0	0.0%
68.8%	47.5	47.5	0.0	0.0%
70.0%	47.4	47.5	0.1	0.2%
71.3%	47.4	47.5	0.1	0.2%
72.5%	47.3	47.5	0.1	0.2%
73.8%	47.3	47.4	0.1	0.2%
75.0%	47.3	47.3	0.0	0.1%
76.3%	47.3	47.3	0.1	0.1%
77.5%	47.1	47.3	0.2	0.4%
78.8%	47.1	47.2	0.1	0.2%
80.0%	47.0	47.1	0.0	0.0%
81.3%	47.0	47.0	0.0	0.0%
82.5%	46.8	46.8	0.0	0.0%
83.8%	46.8	46.8	0.0	0.0%
85.0%	46.7	46.7	0.0	-0.1%
86.3%	46.7	46.6	-0.1	-0.2%
87.5%	46.5	46.5	0.0	0.0%
88.8%	46.4	46.5	0.1	0.3%
90.0%	46.3	46.3	0.0	0.0%
91.3%	46.3	46.1	-0.1	-0.3%
92.5%	46.1	46.1	0.0	-0.1%
93.8%	46.0	46.0	-0.1	-0.2%
95.0%	45.8	45.8	-0.1	-0.1%
96.3%	45.8	45.5	-0.3	-0.6%
97.5%	45.5	45.4	-0.1	-0.2%
98.8%	45.2	45.3	0.1	0.3%
100.0%	45.1	45.2	0.1	0.3%

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	54.1	55.3	1.2	2.1%
1.3%	54.1	54.3	0.2	0.4%
2.5%	54.0	53.7	-0.3	-0.6%
3.8%	53.3	53.3	0.1	0.2%
5.0%	53.2	53.2	0.1	0.1%
6.3%	53.0	53.0	0.0	0.1%
7.5%	52.9	52.7	-0.2	-0.4%
8.8%	52.8	52.5	-0.2	-0.5%
10.0%	52.4	52.4	0.0	-0.1%
11.3%	52.3	52.3	-0.1	-0.1%
12.5%	52.3	52.2	-0.1	-0.2%
13.8%	52.3	52.2	-0.1	-0.2%
15.0%	52.2	52.1	-0.1	-0.1%
16.3%	52.1	52.1	0.0	-0.1%
17.5%	52.0	52.1	0.1	0.2%
18.8%	51.9	52.0	0.1	0.1%
20.0%	51.9	52.0	0.0	0.1%
21.3%	51.8	51.9	0.1	0.3%
22.5%	51.8	51.8	0.0	0.1%
23.8%	51.7	51.7	0.0	0.0%
25.0%	51.6	51.7	0.1	0.1%
26.3%	51.6	51.7	0.1	0.1%
27.5%	51.5	51.7	0.1	0.2%
28.8%	51.5	51.6	0.1	0.2%
30.0%	51.4	51.5	0.1	0.3%
31.3%	51.3	51.4	0.1	0.2%
32.5%	51.3	51.4	0.1	0.2%
33.8%	51.3	51.3	0.1	0.1%
35.0%	51.2	51.2	0.0	-0.1%
36.3%	51.2	51.0	-0.2	-0.4%
37.5%	51.2	51.0	-0.2	-0.5%
38.8%	51.2	50.9	-0.3	-0.6%
40.0%	51.2	50.9	-0.3	-0.6%
41.3%	51.0	50.8	-0.2	-0.4%
42.5%	51.0	50.8	-0.2	-0.3%
43.8%	50.9	50.8	-0.1	-0.2%
45.0%	50.9	50.7	-0.1	-0.3%
46.3%	50.8	50.7	-0.1	-0.1%
47.5%	50.7	50.7	0.0	-0.1%
48.8%	50.6	50.7	0.0	0.0%
50.0%	50.6	50.6	0.0	0.0%
51.3%	50.6	50.6	0.0	0.0%
52.5%	50.6	50.5	-0.1	-0.1%
53.8%	50.5	50.5	0.0	0.1%
55.0%	50.4	50.5	0.1	0.1%
56.3%	50.4	50.5	0.1	0.2%
57.5%	50.3	50.4	0.1	0.2%
58.8%	50.3	50.4	0.1	0.2%
60.0%	50.3	50.3	0.1	0.2%
61.3%	50.2	50.3	0.1	0.2%
62.5%	50.2	50.3	0.1	0.1%
63.8%	50.2	50.2	0.0	0.0%
65.0%	50.1	50.2	0.1	0.1%
66.3%	50.1	50.2	0.1	0.1%
67.5%	50.0	50.2	0.2	0.3%
68.8%	49.9	50.1	0.2	0.3%
70.0%	49.9	50.0	0.2	0.3%
71.3%	49.7	50.0	0.3	0.6%
72.5%	49.7	50.0	0.3	0.6%
73.8%	49.7	49.9	0.2	0.4%
75.0%	49.7	49.8	0.1	0.3%
76.3%	49.6	49.6	0.0	0.0%
77.5%	49.5	49.6	0.0	0.1%
78.8%	49.5	49.5	0.0	0.0%
80.0%	49.5	49.5	-0.1	-0.1%
81.3%	49.5	49.4	-0.1	-0.1%
82.5%	49.4	49.4	0.0	0.1%
83.8%	49.2	49.4	0.2	0.5%
85.0%	49.1	49.2	0.1	0.2%
86.3%	49.1	49.2	0.1	0.2%
87.5%	49.1	49.1	0.0	0.1%
88.8%	49.1	49.0	-0.1	-0.1%
90.0%	49.0	49.0	0.0	0.0%
91.3%	48.8	49.0	0.1	0.2%
92.5%	48.8	48.8	0.0	0.1%
93.8%	48.7	48.7	0.0	-0.1%
95.0%	48.5	48.5	0.0	0.0%
96.3%	48.3	48.3	0.0	-0.1%
97.5%	48.3	48.2	-0.1	-0.1%
98.8%	48.2	48.0	-0.2	-0.3%
100.0%	48.0	47.7	-0.3	-0.7%

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	59.8	60.5	0.7	1.1%
1.3%	59.1	57.3	-1.8	-3.0%
2.5%	56.9	56.8	-0.1	-0.1%
3.8%	56.8	56.5	-0.3	-0.4%
5.0%	56.7	56.3	-0.3	-0.5%
6.3%	56.4	56.3	-0.1	-0.2%
7.5%	56.1	56.2	0.1	0.1%
8.8%	55.7	55.9	0.2	0.3%
10.0%	55.5	55.8	0.3	0.6%
11.3%	55.3	55.6	0.3	0.5%
12.5%	55.3	55.4	0.1	0.2%
13.8%	55.3	55.4	0.1	0.1%
15.0%	55.3	55.4	0.1	0.2%
16.3%	55.2	55.3	0.0	0.0%
17.5%	55.2	55.1	0.0	-0.1%
18.8%	55.1	55.1	0.0	0.0%
20.0%	55.0	55.1	0.1	0.1%
21.3%	54.9	54.9	0.0	0.0%
22.5%	54.8	54.8	0.1	0.2%
23.8%	54.7	54.8	0.1	0.1%
25.0%	54.7	54.7	0.1	0.1%
26.3%	54.5	54.7	0.2	0.3%
27.5%	54.5	54.5	0.0	0.0%
28.8%	54.4	54.4	0.1	0.1%
30.0%	54.3	54.4	0.1	0.1%
31.3%	54.3	54.3	0.0	0.0%
32.5%	54.3	54.3	0.0	0.0%
33.8%	54.2	54.3	0.1	0.1%
35.0%	54.2	54.3	0.0	0.1%
36.3%	54.2	54.2	0.0	-0.1%
37.5%	53.9	54.1	0.2	0.4%
38.8%	53.8	54.0	0.2	0.4%
40.0%	53.8	54.0	0.2	0.3%
41.3%	53.7	53.9	0.2	0.3%
42.5%	53.5	53.9	0.3	0.6%
43.8%	53.5	53.9	0.3	0.6%
45.0%	53.5	53.8	0.3	0.6%
46.3%	53.5	53.6	0.1	0.3%
47.5%	53.5	53.6	0.2	0.3%
48.8%	53.4	53.6	0.2	0.3%
50.0%	53.4	53.5	0.1	0.2%
51.3%	53.4	53.4	0.0	0.1%
52.5%	53.3	53.3	0.1	0.1%
53.8%	53.3	53.2	0.0	0.0%
55.0%	53.2	53.2	0.0	0.0%
56.3%	53.2	53.2	0.0	0.0%
57.5%	53.1	53.2	0.1	0.2%
58.8%	53.1	53.1	0.1	0.1%
60.0%	53.0	53.1	0.1	0.1%
61.3%	53.0	53.1	0.1	0.2%
62.5%	52.9	52.9	0.0	0.1%
63.8%	52.8	52.9	0.1	0.1%
65.0%	52.8	52.9	0.0	0.1%
66.3%	52.8	52.8	0.0	0.0%
67.5%	52.7	52.8	0.1	0.2%
68.8%	52.7	52.7	0.0	0.0%
70.0%	52.7	52.6	0.0	-0.1%
71.3%	52.6	52.6	0.1	0.1%
72.5%	52.5	52.6	0.1	0.1%
73.8%	52.5	52.5	0.0	0.0%
75.0%	52.5	52.4	0.0	-0.1%
76.3%	52.3	52.4	0.1	0.1%
77.5%	52.3	52.3	0.1	0.2%
78.8%	52.3	52.3	0.0	0.0%
80.0%	52.2	52.3	0.0	0.1%
81.3%	52.2	52.3	0.1	0.1%
82.5%	52.2	52.1	-0.1	-0.2%
83.8%	52.1	52.0	-0.1	-0.2%
85.0%	52.0	51.9	-0.1	-0.1%
86.3%	51.8	51.9	0.1	0.3%
87.5%	51.8	51.8	0.0	0.1%
88.8%	51.7	51.8	0.1	0.2%
90.0%	51.6	51.6	0.0	-0.1%
91.3%	51.5	51.5	0.0	0.1%
92.5%	51.4	51.4	0.0	-0.1%
93.8%	51.3	51.3	0.0	0.1%
95.0%	51.2	51.1	-0.1	-0.2%
96.3%	51.2	50.9	-0.3	-0.5%
97.5%	51.0	50.8	-0.3	-0.5%
98.8%	50.9	50.7	-0.2	-0.4%
100.0%	50.6	50.7	0.1	0.1%

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	65.4	64.7	-0.7	-1.1%
1.3%	65.2	62.5	-2.6	-4.1%
2.5%	63.9	62.2	-1.7	-2.6%
3.8%	61.3	61.1	-0.2	-0.3%
5.0%	60.8	60.9	0.1	0.1%
6.3%	60.6	60.5	-0.1	-0.1%
7.5%	59.7	60.2	0.5	0.8%
8.8%	59.5	59.8	0.2	0.3%
10.0%	59.4	59.3	-0.1	-0.1%
11.3%	59.3	59.2	-0.1	-0.2%
12.5%	58.6	58.8	0.3	0.4%
13.8%	58.5	58.7	0.2	0.3%
15.0%	58.3	58.7	0.4	0.7%
16.3%	58.1	58.5	0.4	0.7%
17.5%	58.1	58.1	0.0	0.0%
18.8%	57.9	58.0	0.1	0.1%
20.0%	57.8	57.9	0.1	0.1%
21.3%	57.8	57.6	-0.3	-0.5%
22.5%	57.4	57.3	-0.1	-0.2%
23.8%	57.3	57.2	0.0	-0.1%
25.0%	57.2	57.1	-0.2	-0.3%
26.3%	57.1	56.8	-0.3	-0.5%
27.5%	57.1	56.8	-0.3	-0.5%
28.8%	57.1	56.7	-0.3	-0.6%
30.0%	57.0	56.6	-0.4	-0.7%
31.3%	56.9	56.6	-0.3	-0.6%
32.5%	56.8	56.5	-0.3	-0.6%
33.8%	56.8	56.4	-0.3	-0.5%
35.0%	56.6	56.4	-0.2	-0.3%
36.3%	56.4	56.3	-0.1	-0.1%
37.5%	56.3	56.2	-0.2	-0.3%
38.8%	56.2	55.9	-0.3	-0.6%
40.0%	55.7	55.5	-0.2	-0.3%
41.3%	55.3	55.5	0.1	0.2%
42.5%	55.2	55.3	0.2	0.3%
43.8%	55.1	55.2	0.1	0.1%
45.0%	55.1	55.1	0.0	0.0%
46.3%	55.0	55.1	0.0	0.0%
47.5%	55.0	55.0	0.0	0.0%
48.8%	54.9	54.9	0.1	0.1%
50.0%	54.8	54.9	0.0	0.1%
51.3%	54.8	54.9	0.0	0.1%
52.5%	54.7	54.8	0.1	0.2%
53.8%	54.7	54.8	0.1	0.2%
55.0%	54.7	54.8	0.1	0.2%
56.3%	54.6	54.7	0.1	0.2%
57.5%	54.5	54.7	0.2	0.3%
58.8%	54.4	54.7	0.3	0.5%
60.0%	54.4	54.6	0.2	0.4%
61.3%	54.2	54.5	0.2	0.4%
62.5%	54.1	54.4	0.3	0.5%
63.8%	54.1	54.2	0.2	0.3%
65.0%	54.0	54.1	0.1	0.2%
66.3%	54.0	54.1	0.1	0.2%
67.5%	54.0	54.1	0.1	0.2%
68.8%	53.8	54.1	0.3	0.5%
70.0%	53.8	54.0	0.2	0.4%
71.3%	53.7	54.0	0.3	0.5%
72.5%	53.7	54.0	0.3	0.6%
73.8%	53.6	53.7	0.1	0.1%
75.0%	53.6	53.6	0.0	0.0%
76.3%	53.6	53.6	0.0	0.1%
77.5%	53.5	53.6	0.0	0.1%
78.8%	53.5	53.6	0.1	0.1%
80.0%	53.5	53.6	0.1	0.1%
81.3%	53.5	53.5	0.0	0.0%
82.5%	53.4	53.4	0.0	0.0%
83.8%	53.4	53.4	0.0	-0.1%
85.0%	53.3	53.4	0.1	0.2%
86.3%	53.2	53.3	0.0	0.1%
87.5%	53.0	53.0	0.0	-0.1%
88.8%	52.9	53.0	0.1	0.2%
90.0%	52.8	53.0	0.2	0.3%
91.3%	52.8	53.0	0.2	0.4%
92.5%	52.7	52.6	-0.1	-0.2%
93.8%	52.6	52.6	0.0	0.1%
95.0%	52.5	52.4	-0.1	-0.2%
96.3%	52.3	52.2	-0.2	-0.3%
97.5%	52.2	52.1	-0.1	-0.2%
98.8%	52.1	51.5	-0.6	-1.2%
100.0%	51.4	51.3	-0.1	-0.2%

Table SQ-**39**-2b
American River below Nimbus Dam, Monthly Temperature
Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	69.5	70.1	0.6	0.8%
1.3%	67.8	69.4	1.6	2.4%
2.5%	67.2	68.4	1.2	1.8%
3.8%	66.0	66.8	0.7	1.1%
5.0%	64.6	63.3	-1.3	-2.0%
6.3%	62.8	62.3	-0.5	-0.8%
7.5%	62.4	62.0	-0.5	-0.8%
8.8%	62.0	61.9	-0.1	-0.2%
10.0%	61.7	61.8	0.2	0.3%
11.3%	61.2	61.8	0.6	1.0%
12.5%	61.0	61.0	0.0	0.0%
13.8%	61.0	61.0	0.0	-0.1%
15.0%	60.9	60.9	0.0	0.0%
16.3%	60.8	60.8	0.0	0.0%
17.5%	60.7	60.7	0.0	0.0%
18.8%	60.7	60.6	-0.1	-0.2%
20.0%	60.6	60.6	0.0	0.0%
21.3%	60.6	60.4	-0.2	-0.2%
22.5%	60.5	60.2	-0.2	-0.4%
23.8%	60.3	60.2	-0.1	-0.2%
25.0%	60.3	60.2	-0.1	-0.1%
26.3%	60.2	60.0	-0.2	-0.3%
27.5%	60.0	59.7	-0.3	-0.5%
28.8%	59.7	59.6	-0.1	-0.1%
30.0%	59.6	59.5	0.0	0.0%
31.3%	59.4	59.5	0.1	0.1%
32.5%	59.4	59.2	-0.2	-0.3%
33.8%	59.0	59.2	0.1	0.2%
35.0%	58.9	58.7	-0.2	-0.3%
36.3%	58.8	58.7	0.0	-0.1%
37.5%	58.5	58.4	-0.1	-0.1%
38.8%	58.5	58.4	-0.1	-0.1%
40.0%	58.3	58.3	-0.1	-0.1%
41.3%	58.3	58.2	-0.1	-0.1%
42.5%	58.2	58.2	0.0	0.0%
43.8%	57.9	57.7	-0.3	-0.4%
45.0%	57.6	57.6	0.0	-0.1%
46.3%	57.5	57.6	0.1	0.2%
47.5%	57.4	57.6	0.1	0.2%
48.8%	57.3	57.5	0.2	0.3%
50.0%	57.3	57.5	0.2	0.3%
51.3%	57.3	57.4	0.2	0.3%
52.5%	57.3	57.4	0.2	0.3%
53.8%	57.2	57.4	0.2	0.3%
55.0%	57.2	57.4	0.2	0.3%
56.3%	57.2	57.3	0.1	0.2%
57.5%	57.1	57.3	0.2	0.3%
58.8%	57.1	57.2	0.2	0.3%
60.0%	57.0	57.2	0.1	0.2%
61.3%	57.0	57.1	0.1	0.2%
62.5%	57.0	57.1	0.1	0.2%
63.8%	56.8	57.1	0.3	0.4%
65.0%	56.8	57.0	0.2	0.4%
66.3%	56.8	57.0	0.3	0.5%
67.5%	56.7	57.0	0.3	0.5%
68.8%	56.7	56.9	0.3	0.5%
70.0%	56.6	56.9	0.2	0.4%
71.3%	56.6	56.8	0.3	0.5%
72.5%	56.5	56.7	0.2	0.3%
73.8%	56.4	56.7	0.3	0.5%
75.0%	56.3	56.5	0.2	0.4%
76.3%	56.2	56.3	0.0	0.1%
77.5%	56.1	56.3	0.1	0.2%
78.8%	56.1	56.3	0.2	0.3%
80.0%	56.0	56.2	0.2	0.4%
81.3%	55.9	56.1	0.1	0.2%
82.5%	55.9	56.0	0.1	0.1%
83.8%	55.9	55.8	0.0	-0.1%
85.0%	55.8	55.8	0.0	0.0%
86.3%	55.8	55.8	0.0	0.0%
87.5%	55.7	55.7	0.0	0.0%
88.8%	55.6	55.5	-0.1	-0.3%
90.0%	55.5	55.5	0.0	-0.1%
91.3%	55.5	55.4	-0.1	-0.2%
92.5%	55.4	55.1	-0.2	-0.4%
93.8%	55.2	55.1	0.0	-0.1%
95.0%	55.1	55.1	0.0	0.1%
96.3%	54.6	54.6	0.0	-0.1%
97.5%	54.2	54.0	-0.2	-0.4%
98.8%	54.1	54.0	-0.1	-0.2%
100.0%	53.6	53.6	0.0	-0.1%

July

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	76.1	76.7	0.6	0.8%
1.3%	69.5	73.3	3.8	5.5%
2.5%	69.2	70.4	1.3	1.8%
3.8%	67.8	68.7	1.0	1.4%
5.0%	67.5	66.8	-0.8	-1.1%
6.3%	66.7	65.3	-1.4	-2.1%
7.5%	65.5	65.2	-0.3	-0.5%
8.8%	64.2	65.1	0.8	1.3%
10.0%	63.9	64.0	0.1	0.2%
11.3%	63.9	63.9	0.1	0.1%
12.5%	63.8	63.8	0.1	0.1%
13.8%	63.6	63.5	0.0	-0.1%
15.0%	63.3	63.4	0.2	0.3%
16.3%	63.1	63.3	0.2	0.3%
17.5%	63.0	62.6	-0.4	-0.6%
18.8%	63.0	62.5	-0.5	-0.7%
20.0%	62.7	62.4	-0.3	-0.4%
21.3%	62.4	62.4	0.0	0.0%
22.5%	62.2	62.2	0.0	0.0%
23.8%	61.9	62.0	0.1	0.2%
25.0%	61.9	61.7	-0.1	-0.2%
26.3%	61.7	61.7	0.1	0.1%
27.5%	61.7	61.6	-0.1	-0.1%
28.8%	61.6	61.5	-0.1	-0.1%
30.0%	61.5	61.5	0.0	0.0%
31.3%	61.5	61.5	0.0	0.0%
32.5%	61.4	61.5	0.0	0.0%
33.8%	61.4	61.4	0.0	0.1%
35.0%	61.4	61.4	0.0	0.0%
36.3%	61.4	61.3	0.0	0.0%
37.5%	61.3	61.3	0.0	0.1%
38.8%	61.3	61.3	0.0	0.1%
40.0%	61.3	61.3	0.0	0.1%
41.3%	61.3	61.2	0.0	-0.1%
42.5%	61.2	61.1	0.0	-0.1%
43.8%	61.2	61.1	0.0	-0.1%
45.0%	61.1	61.0	-0.1	-0.2%
46.3%	61.0	61.0	0.0	0.0%
47.5%	61.0	61.0	0.0	0.0%
48.8%	61.0	60.9	0.0	0.0%
50.0%	61.0	60.8	-0.1	-0.2%
51.3%	60.9	60.6	-0.3	-0.5%
52.5%	60.8	60.6	-0.3	-0.4%
53.8%	60.6	60.5	-0.1	-0.1%
55.0%	60.5	60.5	0.0	-0.1%
56.3%	60.3	60.5	0.2	0.3%
57.5%	60.3	60.4	0.2	0.2%
58.8%	60.3	60.3	0.1	0.1%
60.0%	60.2	60.3	0.1	0.1%
61.3%	60.1	60.2	0.1	0.2%
62.5%	60.0	60.2	0.2	0.3%
63.8%	60.0	60.2	0.1	0.2%
65.0%	60.0	60.1	0.1	0.2%
66.3%	59.9	60.1	0.1	0.2%
67.5%	59.9	60.0	0.1	0.2%
68.8%	59.9	60.0	0.1	0.2%
70.0%	59.9	59.9	0.1	0.1%
71.3%	59.8	59.9	0.0	0.1%
72.5%	59.8	59.9	0.1	0.2%
73.8%	59.7	59.8	0.1	0.2%
75.0%	59.7	59.8	0.1	0.2%
76.3%	59.7	59.8	0.1	0.1%
77.5%	59.6	59.7	0.1	0.2%
78.8%	59.4	59.5	0.1	0.2%
80.0%	59.3	59.5	0.1	0.2%
81.3%	59.3	59.4	0.0	0.1%
82.5%	59.3	59.3	0.0	0.0%
83.8%	59.3	59.2	0.0	-0.1%
85.0%	59.2	59.2	0.0	0.0%
86.3%	59.1	59.1	0.0	0.1%
87.5%	59.1	59.1	0.0	0.0%
88.8%	59.0	59.0	0.0	-0.1%
90.0%	59.0	59.0	0.0	0.0%
91.3%	59.0	58.7	-0.3	-0.5%
92.5%	58.7	58.6	-0.1	-0.2%
93.8%	58.6	58.5	-0.1	-0.1%
95.0%	58.4	58.4	0.0	-0.1%
96.3%	57.7	57.7	0.0	-0.1%
97.5%	57.5	57.5	0.0	0.0%
98.8%	56.8	56.6	-0.2	-0.3%
100.0%	56.3	56.2	0.0	0.0%

August

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	76.7	75.4	-1.3	-1.6%
1.3%	72.8	71.9	-0.9	-1.2%
2.5%	71.4	69.7	-1.7	-2.4%
3.8%	68.7	68.4	-0.3	-0.4%
5.0%	68.3	67.6	-0.7	-1.0%
6.3%	67.8	66.0	-1.8	-2.7%
7.5%	65.7	65.0	-0.8	-1.1%
8.8%	65.5	64.7	-0.8	-1.2%
10.0%	65.2	64.6	-0.6	-0.9%
11.3%	65.0	64.3	-0.7	-1.1%
12.5%	64.2	64.3	0.1	0.2%
13.8%	64.0	63.8	-0.2	-0.3%
15.0%	63.9	63.8	-0.1	-0.1%
16.3%	63.8	63.7	0.0	-0.1%
17.5%	63.8	63.5	-0.3	-0.4%
18.8%	63.6	63.4	-0.3	-0.4%
20.0%	63.4	63.3	0.0	-0.1%
21.3%	63.3	63.3	0.0	-0.1%
22.5%	63.1	63.2	0.1	0.1%
23.8%	63.0	63.2	0.2	0.3%
25.0%	63.0	63.0	0.0	0.0%
26.3%	62.9	62.9	0.0	0.0%
27.5%	62.7	62.8	0.1	0.1%
28.8%	62.7	62.8	0.1	0.2%
30.0%	62.7	62.6	0.0	0.0%
31.3%	62.6	62.5	-0.2	-0.3%
32.5%	62.4	62.4	0.0	0.0%
33.8%	62.4	62.4	0.0	0.0%
35.0%	62.3	62.3	0.0	0.0%
36.3%	62.3	62.3	0.0	0.0%
37.5%	62.1	62.3	0.2	0.3%
38.8%	62.1	62.3	0.2	0.3%
40.0%	62.0	62.3	0.3	0.4%
41.3%	62.0	62.3	0.3	0.5%
42.5%	61.9	62.2	0.3	0.5%
43.8%	61.9	62.2	0.3	0.4%
45.0%	61.9	62.1	0.2	0.4%
46.3%	61.9	62.0	0.1	0.2%
47.5%	61.8	61.9	0.1	0.1%
48.8%	61.8	61.9	0.1	0.2%
50.0%	61.8	61.8	0.1	0.1%
51.3%	61.8	61.7	0.0	-0.1%
52.5%	61.8	61.6	-0.1	-0.2%
53.8%	61.5	61.6	0.1	0.1%
55.0%	61.5	61.6	0.0	0.1%
56.3%	61.4	61.6	0.1	0.2%
57.5%	61.4	61.6	0.2	0.3%
58.8%	61.3	61.5	0.2	0.3%
60.0%	61.3	61.3	0.0	0.0%
61.3%	61.3	61.2	-0.1	-0.2%
62.5%	61.2	61.1	-0.1	-0.2%
63.8%	61.2	61.1	-0.1	-0.2%
65.0%	61.2	61.1	-0.1	-0.2%
66.3%	61.1	61.0	-0.1	-0.2%
67.5%	61.1	61.0	-0.2	-0.3%
68.8%	61.1	60.8	-0.2	-0.3%
70.0%	60.9	60.8	-0.1	-0.1%
71.3%	60.8	60.7	-0.1	-0.1%
72.5%	60.7	60.7	0.0	0.0%
73.8%	60.7	60.6	0.0	0.0%
75.0%	60.6	60.6	0.0	0.0%
76.3%	60.6	60.6	0.0	0.0%
77.5%	60.6	60.4	-0.2	-0.4%
78.8%	60.5	60.4	-0.1	-0.2%
80.0%	60.4	60.2	-0.2	-0.3%
81.3%	60.2	60.2	-0.1	-0.1%
82.5%	60.1	60.1	0.0	0.0%
83.8%	60.0	60.0	0.0	0.1%
85.0%	59.9	60.0	0.2	0.3%
86.3%	59.8	60.0	0.2	0.3%
87.5%	59.8	60.0	0.2	0.3%
88.8%	59.6	59.8	0.3	0.4%
90.0%	59.5	59.8	0.3	0.5%
91.3%	59.5	59.8	0.3	0.4%
92.5%	59.5	59.7	0.2	0.4%
93.8%	59.4	59.7	0.3	0.6%
95.0%	59.2	59.7	0.5	0.9%
96.3%	58.9	59.7	0.8	1.3%
97.5%	58.8	59.4	0.6	1.0%
98.8%	58.8	59.0	0.2	0.4%
100.0%	58.7	58.6	-0.1	-0.2%

September

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	72.5	71.3	-1.2	-1.6%
1.3%	71.5	71.0	-0.4	-0.6%
2.5%	70.8	69.3	-1.5	-2.2%
3.8%	68.7	69.2	0.5	0.7%
5.0%	67.5	66.9	-0.6	-0.9%
6.3%	67.4	66.4	-1.0	-1.5%
7.5%	66.4	66.3	-0.1	-0.2%
8.8%	66.3	66.0	-0.3	-0.4%
10.0%	66.2	65.3	-0.9	-1.3%
11.3%	65.5	64.9	-0.6	-0.9%
12.5%	65.0	64.8	-0.2	-0.2%
13.8%	64.9	64.6	-0.3	-0.5%
15.0%	64.6	64.4	-0.2	-0.3%
16.3%	64.2	64.1	-0.1	-0.2%
17.5%	63.3	63.8	0.5	0.9%
18.8%	63.3	63.8	0.6	0.9%
20.0%	63.1	63.5	0.4	0.7%
21.3%	63.0	63.3	0.3	0.4%
22.5%	63.0	63.0	0.1	0.1%
23.8%	62.8	62.9	0.0	0.1%
25.0%	62.8	62.8	0.0	0.0%
26.3%	62.7	62.7	0.0	0.0%
27.5%	62.6	62.7	0.1	0.1%
28.8%	62.5	62.7	0.2	0.3%
30.0%	62.4	62.5	0.1	0.2%
31.3%	62.3	62.5	0.2	0.3%
32.5%	62.3	62.5	0.2	0.3%
33.8%	62.2	62.5	0.2	0.4%
35.0%	62.2	62.4	0.2	0.4%
36.3%	62.1	62.4	0.3	0.4%
37.5%	62.1	62.3	0.2	0.3%
38.8%	62.1	62.3	0.2	0.3%
40.0%	62.1	62.2	0.1	0.2%
41.3%	61.9	62.2	0.2	0.4%
42.5%	61.9	62.1	0.2	0.3%
43.8%	61.9	62.1	0.2	0.3%
45.0%	61.8	62.0	0.2	0.3%
46.3%	61.8	61.9	0.1	0.2%
47.5%	61.7	61.8	0.1	0.2%
48.8%	61.7	61.8	0.1	0.1%
50.0%	61.7	61.8	0.1	0.1%
51.3%	61.7	61.7	0.1	0.1%
52.5%	61.6	61.7	0.1	0.2%
53.8%	61.5	61.6	0.1	0.1%
55.0%	61.5	61.5	0.0	0.1%
56.3%	61.5	61.5	0.0	0.0%
57.5%	61.5	61.5	0.0	0.0%
58.8%	61.5	61.4	0.0	0.0%
60.0%	61.4	61.4	0.0	0.0%
61.3%	61.4	61.4	0.0	0.0%
62.5%	61.2	61.3	0.1	0.2%
63.8%	61.1	61.3	0.2	0.3%
65.0%	61.0	61.2	0.2	0.3%
66.3%	60.9	61.1	0.2	0.3%
67.5%	60.7	60.9	0.2	0.3%
68.8%	60.7	60.8	0.2	0.3%
70.0%	60.7	60.8	0.1	0.1%
71.3%	60.6	60.7	0.1	0.1%
72.5%	60.6	60.7	0.1	0.1%
73.8%	60.6	60.7	0.0	0.0%
75.0%	60.6	60.5	-0.1	-0.1%
76.3%	60.6	60.5	-0.1	-0.2%
77.5%	60.5	60.4	-0.1	-0.2%
78.8%	60.3	60.3	0.0	0.0%
80.0%	60.3	60.3	0.0	0.0%
81.3%	60.3	60.3	0.0	0.0%
82.5%	60.2	60.3	0.0	0.1%
83.8%	60.2	60.3	0.1	0.2%
85.0%	60.1	60.2	0.0	0.1%
86.3%	60.0	60.1	0.1	0.1%
87.5%	60.0	60.1	0.1	0.1%
88.8%	60.0	60.0	0.0	0.0%
90.0%	60.0	60.0	0.0	0.0%
91.3%	59.7	60.0	0.3	0.4%
92.5%	59.7	59.8	0.1	0.1%
93.8%	59.5	59.6	0.2	0.3%
95.0%	59.4	59.4	0.0	0.0%
96.3%	59.4	59.3	-0.1	-0.1%
97.5%	59.4	59.3	0.0	0.0%
98.8%	58.9	59.1	0.2	0.3%
100.0%	58.0	58.6	0.6	1.0%

American River at Watt Avenue, Monthly Temperature
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
					Monthly Temperature (DEG-F)							
Long-term												
Full Simulation Period[1]												
No Action Alternative	61.4	56.0	50.7	47.5	48.9	52.6	56.0	58.6	61.6	64.4	65.7	64.9
Alternative B	61.0	55.7	50.3	47.4	49.0	52.8	56.2	58.7	61.8	64.6	65.5	64.9
Difference	-0.5	-0.3	-0.3	-0.1	0.1	0.2	0.1	0.1	0.3	0.3	-0.2	0.0
Percent Difference[3]	-0.8%	-0.5%	-0.6%	-0.2%	0.2%	0.4%	0.3%	0.1%	0.5%	0.4%	-0.3%	0.0%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	60.1	56.1	51.4	47.8	48.6	51.4	54.4	55.8	58.6	62.6	63.7	63.1
Alternative B	59.8	56.0	51.2	47.8	48.6	51.5	54.3	55.7	58.7	62.7	63.7	63.3
Difference	-0.3	-0.1	-0.2	0.0	0.0	0.1	-0.1	0.0	0.1	0.1	0.0	0.2
Percent Difference	-0.6%	-0.2%	-0.4%	0.0%	0.1%	0.1%	-0.1%	-0.1%	0.1%	0.2%	0.0%	0.3%
Above Normal (15%)												
No Action Alternative	60.2	55.5	50.5	47.8	48.4	51.6	55.1	57.4	60.4	63.2	64.4	63.5
Alternative B	59.6	55.4	50.4	47.7	48.5	51.9	55.4	57.5	60.7	63.4	64.3	63.7
Difference	-0.6	-0.2	-0.1	-0.1	0.1	0.3	0.3	0.2	0.3	0.1	-0.1	0.2
Percent Difference	-1.1%	-0.3%	-0.3%	-0.1%	0.2%	0.5%	0.5%	0.3%	0.4%	0.2%	-0.1%	0.3%
Below Normal (17%)												
No Action Alternative	60.8	56.2	51.1	47.3	48.3	52.6	56.1	58.3	61.3	63.5	64.9	64.1
Alternative B	60.9	56.0	50.8	47.1	48.4	52.8	56.2	58.3	61.6	63.7	64.6	64.1
Difference	0.0	-0.2	-0.2	-0.2	0.1	0.2	0.1	0.0	0.3	0.2	-0.3	-0.1
Percent Difference	0.1%	-0.4%	-0.5%	-0.5%	0.2%	0.4%	0.2%	0.0%	0.5%	0.3%	-0.5%	-0.1%
Dry (22%)												
No Action Alternative	62.6	55.9	50.4	47.4	49.5	53.4	57.1	60.5	63.0	64.9	66.2	65.6
Alternative B	61.7	55.6	50.2	47.3	49.5	53.5	57.4	60.8	63.4	65.0	66.0	65.5
Difference	-0.9	-0.3	-0.2	-0.2	0.1	0.1	0.3	0.3	0.4	0.2	-0.3	0.0
Percent Difference	-1.4%	-0.5%	-0.5%	-0.3%	0.1%	0.3%	0.5%	0.5%	0.6%	0.3%	-0.4%	-0.1%
Critical (15%)												
No Action Alternative	64.6	56.0	49.0	47.2	49.9	54.9	58.9	63.7	67.2	69.7	71.4	70.0
Alternative B	64.0	55.0	48.1	47.1	50.4	55.5	59.3	63.5	67.8	70.7	70.9	69.7
Difference	-0.5	-0.9	-0.8	-0.1	0.6	0.6	0.3	-0.1	0.6	0.9	-0.5	-0.3
Percent Difference	-0.8%	-1.6%	-1.7%	-0.3%	1.0%	1.0%	0.6%	-0.2%	0.9%	1.3%	-0.6%	-0.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)
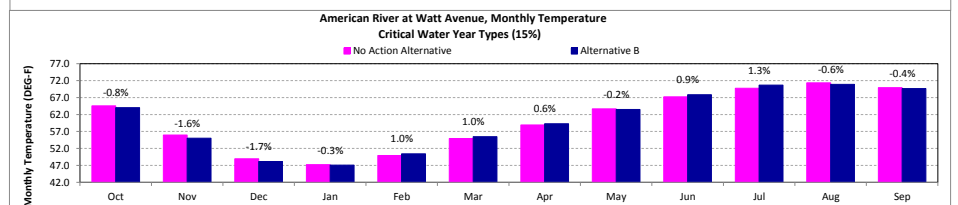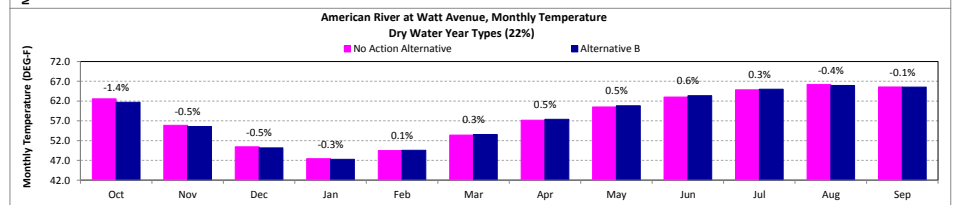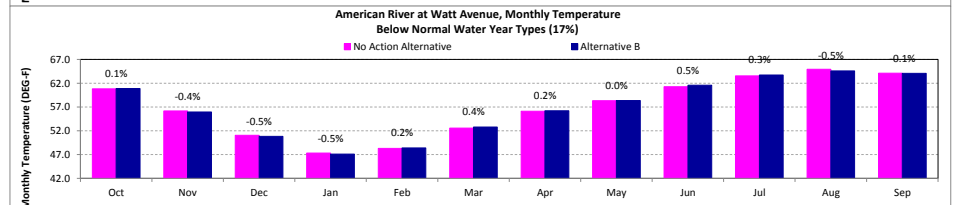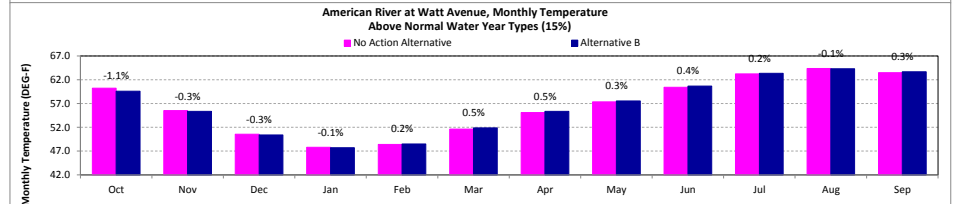
3 Relative difference of the monthly average

American River at Watt Avenue, Monthly Temperature — Full Simulation Period

American River at Watt Avenue, Monthly Temperature — Wet Water Year Types (32%)

American River at Watt Avenue, Monthly Temperature — Above Normal Water Year Types (15%)

American River at Watt Avenue, Monthly Temperature — Below Normal Water Year Types (17%)

American River at Watt Avenue, Monthly Temperature — Dry Water Year Types (22%)

American River at Watt Avenue, Monthly Temperature — Critical Water Year Types (15%)

Figure SQ-40-2b
American River at Watt Avenue, Monthly Temperature
Probability of Exceedance

October

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	66.9	65.5	-1.3	-2.0%
1.3%	66.2	65.3	-1.0	-1.5%
2.5%	65.7	64.7	-1.0	-1.5%
3.8%	65.5	64.4	-1.1	-1.8%
5.0%	65.2	64.3	-0.9	-1.3%
6.3%	64.8	64.3	-0.5	-0.8%
7.5%	64.7	64.0	-0.6	-1.0%
8.8%	64.2	64.0	-0.2	-0.3%
10.0%	64.0	63.7	-0.3	-0.4%
11.3%	63.9	63.6	-0.3	-0.5%
12.5%	63.8	63.5	-0.3	-0.5%
13.8%	63.7	63.5	-0.3	-0.4%
15.0%	63.7	63.4	-0.2	-0.3%
16.3%	63.6	63.4	-0.3	-0.5%
17.5%	63.5	63.2	-0.4	-0.6%
18.8%	63.5	63.2	-0.4	-0.6%
20.0%	63.5	63.2	-0.4	-0.6%
21.3%	63.5	63.0	-0.5	-0.8%
22.5%	63.4	62.8	-0.7	-1.0%
23.8%	63.1	62.7	-0.4	-0.6%
25.0%	63.0	62.3	-0.7	-1.1%
26.3%	62.8	62.3	-0.6	-0.9%
27.5%	62.8	62.2	-0.6	-1.0%
28.8%	62.8	62.0	-0.8	-1.3%
30.0%	62.7	61.9	-0.8	-1.3%
31.3%	62.7	61.7	-1.0	-1.5%
32.5%	62.7	61.7	-1.0	-1.6%
33.8%	62.7	61.5	-1.1	-1.8%
35.0%	62.6	61.4	-1.3	-2.0%
36.3%	62.6	61.4	-1.2	-1.9%
37.5%	62.5	61.3	-1.2	-1.9%
38.8%	62.5	61.0	-1.4	-2.3%
40.0%	62.3	60.9	-1.4	-2.2%
41.3%	61.8	60.9	-0.9	-1.4%
42.5%	61.6	60.9	-0.8	-1.2%
43.8%	61.5	60.8	-0.6	-1.0%
45.0%	61.2	60.8	-0.4	-0.6%
46.3%	61.1	60.8	-0.3	-0.4%
47.5%	61.0	60.8	-0.2	-0.4%
48.8%	61.0	60.7	-0.3	-0.4%
50.0%	60.9	60.7	-0.3	-0.4%
51.3%	60.9	60.5	-0.4	-0.6%
52.5%	60.8	60.4	-0.4	-0.7%
53.8%	60.8	60.2	-0.5	-0.9%
55.0%	60.7	60.2	-0.5	-0.9%
56.3%	60.7	60.1	-0.6	-1.0%
57.5%	60.5	60.0	-0.5	-0.8%
58.8%	60.2	60.0	-0.3	-0.4%
60.0%	60.2	60.0	-0.2	-0.4%
61.3%	60.1	59.9	-0.2	-0.4%
62.5%	60.0	59.9	-0.1	-0.2%
63.8%	60.0	59.9	-0.2	-0.3%
65.0%	60.0	59.8	-0.2	-0.3%
66.3%	60.0	59.8	-0.2	-0.3%
67.5%	60.0	59.8	-0.3	-0.4%
68.8%	60.0	59.7	-0.2	-0.4%
70.0%	59.9	59.7	-0.2	-0.3%
71.3%	59.9	59.7	-0.2	-0.4%
72.5%	59.8	59.6	-0.2	-0.4%
73.8%	59.8	59.6	-0.2	-0.4%
75.0%	59.8	59.6	-0.2	-0.3%
76.3%	59.8	59.6	-0.2	-0.3%
77.5%	59.8	59.5	-0.2	-0.4%
78.8%	59.7	59.5	-0.2	-0.3%
80.0%	59.7	59.5	-0.1	-0.2%
81.3%	59.7	59.5	-0.2	-0.3%
82.5%	59.6	59.5	-0.2	-0.3%
83.8%	59.6	59.5	-0.2	-0.3%
85.0%	59.6	59.3	-0.3	-0.5%
86.3%	59.3	59.3	-0.1	-0.1%
87.5%	59.0	59.2	0.1	0.3%
88.8%	59.0	59.1	0.0	0.1%
90.0%	59.0	59.0	0.0	0.1%
91.3%	58.9	58.9	0.0	-0.1%
92.5%	58.8	58.9	0.1	0.2%
93.8%	58.7	58.9	0.2	0.3%
95.0%	58.6	58.5	-0.2	-0.3%
96.3%	58.6	58.4	-0.2	-0.3%
97.5%	58.5	57.8	-0.6	-1.1%
98.8%	58.0	57.7	-0.3	-0.5%
100.0%	58.0	56.7	-1.3	-2.3%

November

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	58.2	57.6	-0.6	-1.0%
1.3%	57.6	57.5	-0.1	-0.2%
2.5%	57.5	57.4	0.0	-0.1%
3.8%	57.4	57.4	0.0	0.1%
5.0%	57.3	57.4	0.0	0.1%
6.3%	57.3	57.3	0.0	0.0%
7.5%	57.3	57.2	0.0	-0.1%
8.8%	57.2	57.1	-0.1	-0.2%
10.0%	57.2	56.9	-0.3	-0.5%
11.3%	57.2	56.9	-0.3	-0.5%
12.5%	57.2	56.9	-0.3	-0.5%
13.8%	57.1	56.8	-0.3	-0.5%
15.0%	57.0	56.8	-0.2	-0.4%
16.3%	57.0	56.7	-0.3	-0.5%
17.5%	56.9	56.7	-0.2	-0.3%
18.8%	56.9	56.7	-0.2	-0.4%
20.0%	56.8	56.6	-0.2	-0.4%
21.3%	56.8	56.6	-0.2	-0.4%
22.5%	56.7	56.5	-0.2	-0.3%
23.8%	56.7	56.5	-0.2	-0.3%
25.0%	56.7	56.5	-0.2	-0.4%
26.3%	56.7	56.4	-0.2	-0.4%
27.5%	56.7	56.4	-0.2	-0.4%
28.8%	56.7	56.4	-0.2	-0.4%
30.0%	56.7	56.4	-0.3	-0.5%
31.3%	56.6	56.3	-0.3	-0.6%
32.5%	56.6	56.3	-0.4	-0.7%
33.8%	56.6	56.3	-0.4	-0.6%
35.0%	56.5	56.2	-0.2	-0.4%
36.3%	56.4	56.2	-0.3	-0.4%
37.5%	56.4	56.2	-0.2	-0.4%
38.8%	56.4	56.2	-0.2	-0.4%
40.0%	56.3	56.2	-0.2	-0.3%
41.3%	56.3	56.1	-0.2	-0.4%
42.5%	56.3	56.1	-0.2	-0.4%
43.8%	56.3	55.9	-0.4	-0.6%
45.0%	56.2	55.9	-0.3	-0.6%
46.3%	56.2	55.9	-0.3	-0.5%
47.5%	56.2	55.9	-0.3	-0.6%
48.8%	56.2	55.8	-0.3	-0.6%
50.0%	56.0	55.8	-0.2	-0.4%
51.3%	56.0	55.6	-0.4	-0.7%
52.5%	56.0	55.6	-0.4	-0.7%
53.8%	56.0	55.6	-0.4	-0.7%
55.0%	56.0	55.6	-0.4	-0.6%
56.3%	56.0	55.6	-0.4	-0.7%
57.5%	55.9	55.6	-0.4	-0.6%
58.8%	55.9	55.6	-0.3	-0.6%
60.0%	55.8	55.6	-0.2	-0.3%
61.3%	55.7	55.4	-0.3	-0.5%
62.5%	55.7	55.4	-0.3	-0.6%
63.8%	55.7	55.4	-0.4	-0.6%
65.0%	55.7	55.2	-0.5	-0.9%
66.3%	55.7	55.2	-0.5	-0.9%
67.5%	55.6	55.2	-0.5	-0.8%
68.8%	55.6	55.1	-0.5	-1.0%
70.0%	55.6	55.1	-0.5	-1.0%
71.3%	55.6	55.0	-0.5	-1.0%
72.5%	55.5	55.0	-0.5	-1.0%
73.8%	55.5	54.9	-0.6	-1.0%
75.0%	55.5	54.9	-0.6	-1.0%
76.3%	55.3	54.8	-0.4	-0.8%
77.5%	55.2	54.8	-0.4	-0.8%
78.8%	55.1	54.8	-0.4	-0.7%
80.0%	55.1	54.7	-0.4	-0.7%
81.3%	55.1	54.7	-0.4	-0.7%
82.5%	55.0	54.6	-0.3	-0.6%
83.8%	54.9	54.4	-0.5	-0.9%
85.0%	54.8	54.4	-0.4	-0.7%
86.3%	54.8	54.3	-0.5	-0.8%
87.5%	54.8	54.3	-0.4	-0.8%
88.8%	54.6	54.3	-0.3	-0.5%
90.0%	54.5	54.2	-0.3	-0.5%
91.3%	54.3	54.1	-0.3	-0.5%
92.5%	54.3	54.0	-0.3	-0.5%
93.8%	54.1	53.9	-0.2	-0.4%
95.0%	54.1	53.8	-0.3	-0.5%
96.3%	53.9	53.7	-0.2	-0.4%
97.5%	53.7	53.7	0.1	0.1%
98.8%	53.6	53.2	-0.4	-0.8%
100.0%	53.5	52.9	-0.6	-1.2%

December

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	53.6	53.4	-0.2	-0.3%
1.3%	53.4	53.1	-0.3	-0.6%
2.5%	53.4	53.1	-0.3	-0.6%
3.8%	53.3	53.0	-0.3	-0.6%
5.0%	53.1	52.9	-0.2	-0.4%
6.3%	52.9	52.8	-0.1	-0.2%
7.5%	52.8	52.7	-0.1	-0.2%
8.8%	52.8	52.5	-0.4	-0.7%
10.0%	52.5	52.3	-0.2	-0.4%
11.3%	52.3	52.2	-0.2	-0.4%
12.5%	52.2	52.1	-0.1	-0.2%
13.8%	52.1	51.8	-0.3	-0.6%
15.0%	52.1	51.7	-0.3	-0.7%
16.3%	52.0	51.7	-0.3	-0.5%
17.5%	52.0	51.7	-0.3	-0.5%
18.8%	51.9	51.7	-0.2	-0.4%
20.0%	51.8	51.7	-0.1	-0.3%
21.3%	51.8	51.6	-0.2	-0.4%
22.5%	51.7	51.5	-0.2	-0.4%
23.8%	51.6	51.3	-0.3	-0.6%
25.0%	51.6	51.3	-0.3	-0.6%
26.3%	51.5	51.3	-0.2	-0.4%
27.5%	51.4	51.3	-0.2	-0.3%
28.8%	51.4	51.2	-0.2	-0.4%
30.0%	51.3	51.1	-0.2	-0.4%
31.3%	51.3	51.1	-0.2	-0.4%
32.5%	51.2	51.1	-0.1	-0.3%
33.8%	51.2	51.0	-0.2	-0.4%
35.0%	51.0	50.9	-0.1	-0.2%
36.3%	51.0	50.8	-0.1	-0.3%
37.5%	51.0	50.8	-0.2	-0.3%
38.8%	51.0	50.7	-0.3	-0.5%
40.0%	50.9	50.7	-0.3	-0.5%
41.3%	50.8	50.6	-0.2	-0.3%
42.5%	50.8	50.6	-0.2	-0.3%
43.8%	50.8	50.6	-0.2	-0.4%
45.0%	50.8	50.5	-0.2	-0.4%
46.3%	50.8	50.5	-0.2	-0.4%
47.5%	50.7	50.5	-0.2	-0.3%
48.8%	50.7	50.5	-0.1	-0.3%
50.0%	50.7	50.5	-0.1	-0.3%
51.3%	50.6	50.5	-0.1	-0.3%
52.5%	50.6	50.4	-0.2	-0.4%
53.8%	50.6	50.4	-0.2	-0.4%
55.0%	50.6	50.4	-0.2	-0.4%
56.3%	50.6	50.4	-0.2	-0.4%
57.5%	50.6	50.3	-0.3	-0.5%
58.8%	50.5	50.3	-0.2	-0.4%
60.0%	50.4	50.3	-0.2	-0.4%
61.3%	50.4	50.2	-0.3	-0.6%
62.5%	50.4	50.0	-0.4	-0.8%
63.8%	50.4	50.0	-0.4	-0.8%
65.0%	50.3	50.0	-0.4	-0.7%
66.3%	50.3	49.9	-0.4	-0.7%
67.5%	50.3	49.8	-0.4	-0.8%
68.8%	50.3	49.8	-0.5	-1.0%
70.0%	50.2	49.7	-0.4	-0.8%
71.3%	50.1	49.7	-0.3	-0.7%
72.5%	49.9	49.6	-0.3	-0.6%
73.8%	49.9	49.6	-0.3	-0.6%
75.0%	49.8	49.6	-0.2	-0.5%
76.3%	49.8	49.4	-0.4	-0.8%
77.5%	49.8	49.3	-0.5	-1.0%
78.8%	49.8	49.3	-0.5	-1.0%
80.0%	49.8	49.3	-0.5	-1.0%
81.3%	49.7	49.2	-0.5	-1.0%
82.5%	49.6	49.1	-0.5	-1.0%
83.8%	49.5	48.8	-0.7	-1.4%
85.0%	49.4	48.6	-0.9	-1.8%
86.3%	49.0	48.5	-0.5	-1.1%
87.5%	49.0	48.5	-0.5	-1.1%
88.8%	48.7	48.3	-0.4	-0.9%
90.0%	48.6	48.2	-0.3	-0.7%
91.3%	48.5	48.2	-0.4	-0.7%
92.5%	48.4	47.8	-0.6	-1.3%
93.8%	48.3	47.7	-0.7	-1.4%
95.0%	48.2	47.5	-0.7	-1.4%
96.3%	48.1	47.3	-0.8	-1.7%
97.5%	48.0	47.3	-0.7	-1.5%
98.8%	47.1	46.4	-0.7	-1.4%
100.0%	45.9	45.8	-0.1	-0.3%

January

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	50.8	50.3	-0.5	-1.0%
1.3%	50.1	50.0	-0.1	-0.2%
2.5%	50.1	49.9	-0.2	-0.4%
3.8%	49.6	49.7	0.1	0.1%
5.0%	49.4	49.3	-0.1	-0.3%
6.3%	49.4	49.2	-0.1	-0.2%
7.5%	49.2	49.2	0.0	0.0%
8.8%	49.1	49.0	-0.1	-0.1%
10.0%	49.1	49.0	0.0	-0.1%
11.3%	49.0	49.0	0.0	-0.1%
12.5%	49.0	49.0	0.0	0.1%
13.8%	48.9	49.0	0.1	0.1%
15.0%	48.8	48.9	0.1	0.2%
16.3%	48.8	48.8	0.0	0.0%
17.5%	48.8	48.7	-0.1	-0.1%
18.8%	48.8	48.7	0.0	-0.1%
20.0%	48.8	48.6	-0.2	-0.4%
21.3%	48.7	48.5	-0.2	-0.4%
22.5%	48.6	48.5	-0.1	-0.2%
23.8%	48.5	48.4	-0.1	-0.2%
25.0%	48.5	48.3	-0.2	-0.4%
26.3%	48.4	48.2	-0.2	-0.4%
27.5%	48.3	48.2	-0.1	-0.2%
28.8%	48.3	48.2	-0.1	-0.2%
30.0%	48.2	48.2	0.0	-0.1%
31.3%	48.2	48.1	-0.1	-0.2%
32.5%	48.2	48.1	-0.1	-0.3%
33.8%	48.2	48.1	-0.1	-0.2%
35.0%	48.2	48.0	-0.1	-0.3%
36.3%	48.1	48.0	-0.1	-0.2%
37.5%	48.1	48.0	-0.1	-0.3%
38.8%	48.0	47.9	-0.1	-0.2%
40.0%	48.0	47.9	-0.1	-0.2%
41.3%	48.0	47.9	-0.1	-0.1%
42.5%	47.9	47.9	0.0	0.0%
43.8%	47.8	47.8	-0.1	-0.1%
45.0%	47.8	47.7	-0.1	-0.3%
46.3%	47.7	47.6	-0.1	-0.1%
47.5%	47.7	47.5	-0.2	-0.3%
48.8%	47.6	47.5	-0.1	-0.1%
50.0%	47.6	47.5	-0.1	-0.2%
51.3%	47.5	47.5	0.0	0.0%
52.5%	47.5	47.4	-0.1	-0.2%
53.8%	47.4	47.3	-0.1	-0.2%
55.0%	47.4	47.3	-0.1	-0.2%
56.3%	47.4	47.3	-0.1	-0.2%
57.5%	47.3	47.2	-0.1	-0.2%
58.8%	47.3	47.2	-0.1	-0.2%
60.0%	47.3	47.2	-0.1	-0.2%
61.3%	47.3	47.2	-0.1	-0.2%
62.5%	47.3	47.2	-0.1	-0.2%
63.8%	47.2	47.2	-0.1	-0.1%
65.0%	47.2	47.1	-0.1	-0.3%
66.3%	47.2	47.0	-0.1	-0.3%
67.5%	46.9	47.0	0.1	0.1%
68.8%	46.9	46.9	0.0	0.0%
70.0%	46.9	46.8	0.0	-0.1%
71.3%	46.8	46.7	-0.1	-0.1%
72.5%	46.7	46.7	0.0	0.0%
73.8%	46.7	46.6	-0.1	-0.2%
75.0%	46.7	46.5	-0.2	-0.4%
76.3%	46.6	46.5	-0.2	-0.3%
77.5%	46.6	46.5	-0.2	-0.3%
78.8%	46.6	46.4	-0.1	-0.3%
80.0%	46.5	46.4	-0.1	-0.3%
81.3%	46.4	46.4	0.0	-0.1%
82.5%	46.2	46.3	0.1	0.3%
83.8%	46.2	46.3	0.1	0.2%
85.0%	46.2	46.2	0.0	0.0%
86.3%	46.2	46.1	0.0	-0.1%
87.5%	46.1	46.0	-0.1	-0.2%
88.8%	46.1	46.0	-0.1	-0.2%
90.0%	46.0	45.8	-0.2	-0.5%
91.3%	45.9	45.6	-0.3	-0.8%
92.5%	45.8	45.5	-0.3	-0.6%
93.8%	45.5	45.4	-0.1	-0.2%
95.0%	45.4	45.4	0.0	0.0%
96.3%	45.3	45.1	-0.2	-0.4%
97.5%	45.2	45.0	-0.2	-0.5%
98.8%	45.0	44.9	-0.1	-0.2%
100.0%	44.8	44.3	-0.5	-1.1%

Table SQ-40-2b
American River at Watt Avenue, Monthly Temperature
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	52.1	52.3	0.2	0.4%
1.3%	51.8	52.0	0.2	0.3%
2.5%	51.8	51.9	0.1	0.2%
3.8%	51.6	51.8	0.2	0.4%
5.0%	51.5	51.8	0.2	0.5%
6.3%	51.4	51.7	0.3	0.6%
7.5%	51.1	51.5	0.4	0.8%
8.8%	51.1	51.5	0.4	0.8%
10.0%	51.0	51.2	0.2	0.4%
11.3%	50.8	51.2	0.4	0.9%
12.5%	50.7	51.2	0.5	0.9%
13.8%	50.7	51.1	0.4	0.9%
15.0%	50.6	51.0	0.4	0.8%
16.3%	50.6	51.0	0.4	0.7%
17.5%	50.6	50.8	0.2	0.4%
18.8%	50.6	50.8	0.2	0.4%
20.0%	50.6	50.8	0.2	0.4%
21.3%	50.5	50.6	0.0	0.5%
22.5%	50.1	50.6	0.5	1.0%
23.8%	50.0	50.4	0.3	0.7%
25.0%	50.0	50.0	0.0	0.1%
26.3%	49.9	50.0	0.1	0.2%
27.5%	49.9	49.9	0.1	0.2%
28.8%	49.8	49.9	0.1	0.2%
30.0%	49.8	49.9	0.1	0.3%
31.3%	49.8	49.8	0.1	0.2%
32.5%	49.8	49.8	0.1	0.2%
33.8%	49.7	49.8	0.1	0.2%
35.0%	49.7	49.8	0.1	0.2%
36.3%	49.6	49.8	0.1	0.3%
37.5%	49.6	49.7	0.1	0.2%
38.8%	49.6	49.7	0.1	0.2%
40.0%	49.6	49.7	0.1	0.2%
41.3%	49.5	49.7	0.2	0.3%
42.5%	49.5	49.7	0.2	0.4%
43.8%	49.5	49.7	0.2	0.4%
45.0%	49.5	49.6	0.1	0.2%
46.3%	49.4	49.6	0.2	0.4%
47.5%	49.3	49.5	0.2	0.3%
48.8%	49.3	49.4	0.1	0.2%
50.0%	49.2	49.2	0.0	0.0%
51.3%	49.1	49.1	0.0	0.0%
52.5%	49.0	49.0	0.0	0.0%
53.8%	49.0	49.0	0.0	0.0%
55.0%	48.9	49.0	0.0	0.0%
56.3%	48.9	48.9	0.0	0.1%
57.5%	48.8	48.8	0.0	0.0%
58.8%	48.8	48.8	0.0	0.0%
60.0%	48.7	48.6	-0.1	-0.2%
61.3%	48.6	48.6	0.0	0.0%
62.5%	48.4	48.5	0.1	0.3%
63.8%	48.4	48.5	0.1	0.3%
65.0%	48.4	48.4	0.0	0.1%
66.3%	48.2	48.3	0.1	0.1%
67.5%	48.2	48.3	0.1	0.2%
68.8%	48.2	48.3	0.1	0.2%
70.0%	48.1	48.2	0.1	0.2%
71.3%	48.0	48.2	0.1	0.3%
72.5%	48.0	48.1	0.1	0.2%
73.8%	47.9	48.0	0.1	0.3%
75.0%	47.8	47.9	0.1	0.2%
76.3%	47.7	47.7	-0.1	-0.1%
77.5%	47.6	47.5	-0.1	-0.1%
78.8%	47.5	47.5	0.0	0.0%
80.0%	47.5	47.5	0.0	0.0%
81.3%	47.4	47.5	0.1	0.1%
82.5%	47.4	47.4	0.1	0.1%
83.8%	47.4	47.4	0.0	0.0%
85.0%	47.3	47.4	0.1	0.2%
86.3%	47.2	47.3	0.0	0.1%
87.5%	47.2	47.2	0.0	0.1%
88.8%	46.8	46.6	-0.2	-0.4%
90.0%	46.6	46.5	-0.1	-0.3%
91.3%	46.5	46.4	-0.1	-0.3%
92.5%	46.3	46.3	0.0	0.0%
93.8%	46.3	46.3	0.0	0.0%
95.0%	46.2	46.2	0.0	0.0%
96.3%	46.0	46.2	0.1	0.2%
97.5%	46.0	46.1	0.1	0.3%
98.8%	45.9	46.0	0.1	0.2%
100.0%	45.3	45.8	0.5	1.1%

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	57.3	59.0	1.7	3.0%
1.3%	57.3	58.1	0.8	1.5%
2.5%	56.6	57.3	0.7	1.2%
3.8%	56.3	56.9	0.6	1.0%
5.0%	56.2	56.7	0.5	0.9%
6.3%	56.1	56.2	0.1	0.2%
7.5%	56.0	56.1	0.1	0.1%
8.8%	55.4	55.4	0.0	0.0%
10.0%	55.3	55.3	0.0	0.0%
11.3%	55.2	55.3	0.1	0.1%
12.5%	55.0	55.2	0.2	0.4%
13.8%	54.7	55.1	0.5	0.9%
15.0%	54.6	55.0	0.4	0.8%
16.3%	54.6	55.0	0.4	0.8%
17.5%	54.5	54.8	0.3	0.6%
18.8%	54.4	54.6	0.2	0.4%
20.0%	54.3	54.5	0.2	0.4%
21.3%	54.3	54.5	0.2	0.4%
22.5%	54.3	54.4	0.1	0.2%
23.8%	54.2	54.3	0.1	0.1%
25.0%	54.2	54.3	0.1	0.1%
26.3%	54.0	54.2	0.2	0.3%
27.5%	54.0	54.2	0.2	0.4%
28.8%	53.9	54.1	0.2	0.4%
30.0%	53.8	54.1	0.3	0.5%
31.3%	53.7	53.9	0.2	0.4%
32.5%	53.7	53.8	0.2	0.3%
33.8%	53.6	53.8	0.1	0.3%
35.0%	53.6	53.7	0.1	0.2%
36.3%	53.6	53.6	0.0	0.0%
37.5%	53.5	53.5	0.1	0.1%
38.8%	53.5	53.5	0.0	0.0%
40.0%	53.4	53.4	0.0	-0.1%
41.3%	53.1	53.3	0.2	0.4%
42.5%	53.0	53.3	0.2	0.5%
43.8%	52.8	53.1	0.4	0.7%
45.0%	52.7	52.9	0.2	0.4%
46.3%	52.5	52.8	0.3	0.5%
47.5%	52.5	52.8	0.3	0.5%
48.8%	52.5	52.7	0.2	0.4%
50.0%	52.5	52.6	0.2	0.4%
51.3%	52.4	52.6	0.2	0.5%
52.5%	52.4	52.6	0.2	0.4%
53.8%	52.4	52.6	0.2	0.4%
55.0%	52.3	52.5	0.2	0.3%
56.3%	52.3	52.5	0.2	0.4%
57.5%	52.2	52.4	0.2	0.3%
58.8%	52.2	52.3	0.1	0.2%
60.0%	51.9	52.3	0.4	0.7%
61.3%	51.9	52.3	0.4	0.7%
62.5%	51.8	52.3	0.4	0.8%
63.8%	51.8	52.2	0.4	0.8%
65.0%	51.7	52.1	0.4	0.7%
66.3%	51.7	52.0	0.3	0.6%
67.5%	51.4	51.8	0.4	0.8%
68.8%	51.4	51.8	0.4	0.9%
70.0%	51.4	51.8	0.5	0.9%
71.3%	51.3	51.6	0.3	0.6%
72.5%	51.3	51.5	0.3	0.5%
73.8%	51.3	51.5	0.2	0.4%
75.0%	51.2	51.4	0.2	0.4%
76.3%	51.2	51.3	0.1	0.2%
77.5%	51.2	51.3	0.1	0.3%
78.8%	51.1	51.2	0.1	0.2%
80.0%	51.0	51.1	0.1	0.2%
81.3%	50.9	51.1	0.2	0.3%
82.5%	50.9	51.1	0.2	0.3%
83.8%	50.8	50.9	0.0	0.1%
85.0%	50.7	50.8	0.1	0.2%
86.3%	50.5	50.4	-0.1	-0.2%
87.5%	50.4	50.4	0.1	0.1%
88.8%	50.4	50.4	0.1	0.1%
90.0%	50.3	50.3	0.0	0.1%
91.3%	50.2	50.0	-0.2	-0.5%
92.5%	49.7	49.7	0.0	-0.1%
93.8%	49.7	49.5	-0.1	-0.3%
95.0%	49.5	49.1	-0.4	-0.9%
96.3%	49.1	49.0	-0.1	-0.2%
97.5%	48.7	49.0	0.3	0.6%
98.8%	48.3	48.7	0.4	0.8%
100.0%	48.1	48.1	0.0	0.0%

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	63.6	65.5	1.9	3.0%
1.3%	62.4	61.1	-1.3	-2.1%
2.5%	60.8	60.9	0.2	0.3%
3.8%	60.0	60.5	0.5	0.7%
5.0%	59.9	60.2	0.3	0.5%
6.3%	59.4	60.0	0.6	1.0%
7.5%	59.2	59.7	0.5	0.9%
8.8%	59.1	59.6	0.5	0.8%
10.0%	59.1	59.4	0.4	0.6%
11.3%	58.9	59.4	0.5	0.8%
12.5%	58.8	59.0	0.3	0.5%
13.8%	58.6	59.0	0.4	0.6%
15.0%	58.6	58.8	0.3	0.4%
16.3%	58.4	58.7	0.3	0.4%
17.5%	58.4	58.7	0.3	0.5%
18.8%	58.4	58.5	0.2	0.3%
20.0%	58.4	58.4	0.1	0.1%
21.3%	57.9	58.4	0.5	0.8%
22.5%	57.9	58.4	0.5	0.8%
23.8%	57.9	58.2	0.3	0.6%
25.0%	57.9	58.2	0.3	0.5%
26.3%	57.9	58.1	0.2	0.4%
27.5%	57.9	58.1	0.2	0.4%
28.8%	57.5	58.0	0.4	0.8%
30.0%	57.5	57.7	0.2	0.4%
31.3%	57.3	57.5	0.2	0.3%
32.5%	57.3	57.2	-0.2	-0.3%
33.8%	57.3	57.2	-0.2	-0.3%
35.0%	57.0	57.1	0.1	0.2%
36.3%	57.0	57.1	0.1	0.3%
37.5%	56.9	57.1	0.2	0.4%
38.8%	56.8	57.0	0.2	0.3%
40.0%	56.7	56.7	0.0	0.1%
41.3%	56.5	56.7	0.2	0.4%
42.5%	56.3	56.6	0.3	0.6%
43.8%	56.3	56.5	0.3	0.4%
45.0%	56.2	56.5	0.3	0.4%
46.3%	56.2	56.4	0.2	0.4%
47.5%	56.2	56.2	0.0	0.1%
48.8%	56.1	56.0	-0.1	-0.1%
50.0%	56.0	55.9	-0.1	-0.2%
51.3%	55.8	55.8	0.0	0.0%
52.5%	55.7	55.8	0.0	0.1%
53.8%	55.7	55.8	0.1	0.2%
55.0%	55.7	55.7	0.0	0.1%
56.3%	55.6	55.6	0.0	-0.1%
57.5%	55.5	55.5	0.0	-0.1%
58.8%	55.3	55.5	0.1	0.2%
60.0%	55.3	55.3	-0.1	-0.1%
61.3%	55.2	55.3	0.1	0.1%
62.5%	55.2	55.2	0.0	0.1%
63.8%	55.0	55.1	0.1	0.2%
65.0%	55.0	55.1	0.2	0.3%
66.3%	54.9	55.1	0.2	0.3%
67.5%	54.9	55.0	0.1	0.2%
68.8%	54.8	55.0	0.2	0.4%
70.0%	54.7	54.9	0.2	0.4%
71.3%	54.6	54.8	0.2	0.3%
72.5%	54.6	54.8	0.2	0.3%
73.8%	54.6	54.7	0.1	0.1%
75.0%	54.6	54.5	0.0	-0.1%
76.3%	54.6	54.5	-0.1	-0.2%
77.5%	54.4	54.5	0.0	0.0%
78.8%	54.2	54.4	0.2	0.3%
80.0%	54.1	54.3	0.2	0.3%
81.3%	54.0	54.1	0.1	0.2%
82.5%	53.8	53.7	-0.1	-0.3%
83.8%	53.7	53.7	-0.1	-0.2%
85.0%	53.5	53.6	0.1	0.2%
86.3%	53.3	53.5	0.2	0.3%
87.5%	53.2	53.3	0.1	0.1%
88.8%	53.1	53.1	0.0	0.1%
90.0%	53.1	53.1	0.0	0.1%
91.3%	53.0	53.1	0.1	0.2%
92.5%	52.8	53.0	0.2	0.4%
93.8%	52.6	52.7	0.2	0.3%
95.0%	52.5	52.4	-0.2	-0.3%
96.3%	52.3	52.2	-0.1	-0.2%
97.5%	52.2	52.0	-0.2	-0.4%
98.8%	52.2	51.8	-0.4	-0.8%
100.0%	51.5	51.6	0.1	0.1%

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	69.1	69.0	-0.2	-0.2%
1.3%	69.0	67.4	-1.6	-2.3%
2.5%	67.2	66.6	-0.6	-1.0%
3.8%	65.5	66.1	0.7	1.0%
5.0%	63.9	65.0	1.2	1.8%
6.3%	63.8	63.9	0.1	0.1%
7.5%	63.6	63.4	-0.2	-0.3%
8.8%	63.0	63.2	0.2	0.3%
10.0%	62.9	63.1	0.2	0.3%
11.3%	62.8	63.1	0.2	0.3%
12.5%	62.3	63.0	0.6	1.0%
13.8%	62.3	62.6	0.3	0.5%
15.0%	62.1	62.5	0.3	0.6%
16.3%	62.0	62.4	0.5	0.8%
17.5%	61.9	62.3	0.4	0.7%
18.8%	61.9	62.0	0.1	0.1%
20.0%	61.8	61.6	-0.2	-0.3%
21.3%	61.6	61.6	0.0	0.0%
22.5%	61.5	61.5	0.0	0.0%
23.8%	61.5	61.5	0.0	0.0%
25.0%	61.4	61.2	-0.2	-0.4%
26.3%	61.3	61.1	-0.2	-0.3%
27.5%	61.2	60.8	-0.4	-0.6%
28.8%	61.1	60.7	-0.5	-0.7%
30.0%	61.0	60.6	-0.4	-0.7%
31.3%	60.6	60.6	0.0	-0.1%
32.5%	60.6	60.5	-0.1	-0.2%
33.8%	60.5	60.4	-0.1	-0.1%
35.0%	60.4	60.4	0.0	0.0%
36.3%	60.2	60.3	0.0	0.0%
37.5%	60.2	60.2	0.0	0.1%
38.8%	59.6	60.2	0.6	1.0%
40.0%	59.4	59.8	0.3	0.6%
41.3%	59.3	59.2	-0.1	-0.2%
42.5%	59.2	58.8	-0.4	-0.7%
43.8%	59.0	58.5	-0.5	-0.8%
45.0%	58.4	58.3	-0.1	-0.1%
46.3%	58.4	58.3	0.0	0.0%
47.5%	58.3	58.3	-0.1	-0.1%
48.8%	58.0	58.2	0.1	0.3%
50.0%	58.0	58.0	0.0	0.0%
51.3%	57.8	57.8	0.0	-0.1%
52.5%	57.8	57.8	0.0	0.1%
53.8%	57.6	57.8	0.1	0.2%
55.0%	57.5	57.7	0.2	0.4%
56.3%	57.3	57.7	0.5	0.8%
57.5%	57.2	57.5	0.4	0.6%
58.8%	57.1	57.3	0.2	0.3%
60.0%	57.0	57.2	0.1	0.2%
61.3%	56.9	57.1	0.2	0.3%
62.5%	56.8	57.0	0.2	0.4%
63.8%	56.8	57.0	0.3	0.4%
65.0%	56.7	57.0	0.2	0.4%
66.3%	56.6	56.9	0.2	0.4%
67.5%	56.6	56.8	0.2	0.4%
68.8%	56.3	56.8	0.5	0.8%
70.0%	56.3	56.8	0.5	0.8%
71.3%	56.2	56.4	0.2	0.4%
72.5%	56.1	56.2	0.1	0.2%
73.8%	56.0	56.1	0.1	0.2%
75.0%	56.0	56.1	0.1	0.3%
76.3%	55.9	56.1	0.2	0.3%
77.5%	55.8	56.0	0.2	0.3%
78.8%	55.8	55.8	0.1	0.1%
80.0%	55.8	55.8	0.0	0.0%
81.3%	55.7	55.7	0.1	0.1%
82.5%	55.6	55.7	0.0	0.0%
83.8%	55.6	55.5	-0.1	-0.2%
85.0%	55.5	55.3	-0.2	-0.4%
86.3%	55.2	55.2	0.0	-0.1%
87.5%	55.2	55.2	0.0	0.1%
88.8%	54.9	55.2	0.3	0.5%
90.0%	54.9	55.1	0.3	0.5%
91.3%	54.4	55.1	0.7	1.3%
92.5%	54.2	54.1	-0.1	-0.2%
93.8%	54.0	54.1	0.1	0.1%
95.0%	53.9	53.9	0.0	-0.1%
96.3%	53.7	53.7	0.0	-0.1%
97.5%	53.5	52.7	-0.8	-1.4%
98.8%	52.7	52.6	-0.1	-0.2%
100.0%	52.5	52.3	-0.2	-0.4%

Table SQ-40-2b
American River at Watt Avenue, Monthly Temperature
Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	73.2	75.2	1.9	2.6%
1.3%	72.3	74.7	2.4	3.4%
2.5%	71.8	73.4	1.6	2.2%
3.8%	71.1	71.9	0.8	1.1%
5.0%	68.8	68.1	-0.8	-1.1%
6.3%	65.4	66.1	0.7	1.1%
7.5%	65.4	65.8	0.4	0.6%
8.8%	65.3	65.6	0.3	0.4%
10.0%	65.3	65.6	0.3	0.5%
11.3%	65.1	65.5	0.3	0.5%
12.5%	65.1	65.4	0.3	0.5%
13.8%	65.0	65.2	0.2	0.3%
15.0%	65.0	65.1	0.1	0.2%
16.3%	65.0	65.1	0.1	0.2%
17.5%	64.9	65.0	0.0	0.0%
18.8%	64.6	64.9	0.3	0.5%
20.0%	64.4	64.8	0.4	0.7%
21.3%	64.3	64.4	0.1	0.1%
22.5%	64.2	64.3	0.1	0.2%
23.8%	64.1	64.2	0.1	0.2%
25.0%	63.7	64.2	0.5	0.7%
26.3%	63.7	63.9	0.3	0.4%
27.5%	63.6	63.9	0.2	0.4%
28.8%	63.5	63.7	0.3	0.4%
30.0%	63.3	63.7	0.4	0.6%
31.3%	63.2	63.3	0.0	0.1%
32.5%	63.1	63.1	0.1	0.1%
33.8%	62.4	62.9	0.5	0.8%
35.0%	62.3	62.6	0.3	0.5%
36.3%	62.2	62.2	0.0	0.0%
37.5%	61.9	62.2	0.3	0.5%
38.8%	61.8	62.1	0.3	0.5%
40.0%	61.7	62.1	0.3	0.6%
41.3%	61.6	61.9	0.3	0.4%
42.5%	61.5	61.8	0.3	0.5%
43.8%	61.5	61.7	0.3	0.5%
45.0%	61.4	61.6	0.2	0.4%
46.3%	61.3	61.5	0.2	0.4%
47.5%	61.3	61.4	0.2	0.3%
48.8%	61.1	61.4	0.3	0.6%
50.0%	61.0	61.3	0.3	0.4%
51.3%	60.9	61.3	0.4	0.7%
52.5%	60.8	61.1	0.3	0.4%
53.8%	60.8	61.0	0.2	0.3%
55.0%	60.7	60.7	0.0	0.0%
56.3%	60.5	60.6	0.2	0.3%
57.5%	60.4	60.6	0.2	0.3%
58.8%	60.3	60.6	0.3	0.5%
60.0%	60.0	60.6	0.6	1.0%
61.3%	59.9	60.5	0.5	0.9%
62.5%	59.9	60.3	0.4	0.7%
63.8%	59.8	60.3	0.4	0.7%
65.0%	59.8	60.2	0.4	0.7%
66.3%	59.8	60.2	0.3	0.6%
67.5%	59.8	60.2	0.3	0.6%
68.8%	59.8	60.0	0.3	0.5%
70.0%	59.6	60.0	0.4	0.6%
71.3%	59.5	59.9	0.5	0.8%
72.5%	59.4	59.8	0.4	0.7%
73.8%	59.4	59.5	0.0	0.1%
75.0%	59.3	59.5	0.1	0.2%
76.3%	59.2	59.3	0.1	0.2%
77.5%	59.0	59.2	0.2	0.3%
78.8%	58.9	58.9	0.1	0.1%
80.0%	58.8	58.9	0.1	0.1%
81.3%	58.7	58.8	0.1	0.2%
82.5%	58.7	58.8	0.1	0.1%
83.8%	58.6	58.7	0.1	0.2%
85.0%	58.5	58.6	0.1	0.2%
86.3%	58.4	58.5	0.0	0.0%
87.5%	58.4	58.3	0.0	0.0%
88.8%	58.3	58.2	0.0	0.0%
90.0%	58.1	58.2	0.1	0.2%
91.3%	57.9	58.2	0.2	0.4%
92.5%	57.9	58.0	0.1	0.2%
93.8%	57.4	57.4	0.0	0.1%
95.0%	56.8	56.8	-0.1	-0.1%
96.3%	56.6	56.5	0.0	-0.1%
97.5%	56.4	56.4	0.0	0.0%
98.8%	55.5	55.5	0.0	0.0%
100.0%	54.6	54.3	-0.3	-0.6%

July

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	76.6	80.3	3.7	4.8%
1.3%	72.3	76.9	4.6	6.4%
2.5%	71.6	73.6	2.0	2.7%
3.8%	71.4	72.9	1.5	2.1%
5.0%	70.7	69.6	-1.2	-1.7%
6.3%	70.7	69.0	-1.6	-2.3%
7.5%	69.9	69.0	-0.9	-1.3%
8.8%	68.3	68.2	-0.1	-0.2%
10.0%	67.5	67.8	0.3	0.5%
11.3%	67.4	67.7	0.2	0.4%
12.5%	67.3	67.5	0.3	0.4%
13.8%	67.2	67.3	0.2	0.2%
15.0%	66.9	66.8	-0.1	-0.1%
16.3%	66.3	66.5	0.2	0.2%
17.5%	66.2	66.2	0.0	0.0%
18.8%	65.9	65.9	0.0	0.0%
20.0%	65.7	65.8	0.1	0.1%
21.3%	65.7	65.5	-0.2	-0.3%
22.5%	65.1	65.4	0.3	0.5%
23.8%	65.1	65.2	0.2	0.3%
25.0%	64.7	64.9	0.3	0.4%
26.3%	64.5	64.8	0.3	0.5%
27.5%	64.4	64.8	0.3	0.5%
28.8%	64.4	64.7	0.3	0.4%
30.0%	64.3	64.5	0.3	0.4%
31.3%	64.2	64.4	0.2	0.3%
32.5%	64.2	64.3	0.1	0.2%
33.8%	64.2	64.3	0.1	0.2%
35.0%	64.0	64.3	0.3	0.4%
36.3%	64.0	64.2	0.2	0.3%
37.5%	63.9	64.1	0.2	0.3%
38.8%	63.9	64.0	0.1	0.2%
40.0%	63.8	64.0	0.1	0.2%
41.3%	63.8	64.0	0.1	0.2%
42.5%	63.8	64.0	0.2	0.3%
43.8%	63.8	64.0	0.2	0.3%
45.0%	63.8	63.9	0.2	0.3%
46.3%	63.7	63.9	0.3	0.4%
47.5%	63.6	63.9	0.3	0.5%
48.8%	63.6	63.9	0.3	0.5%
50.0%	63.5	63.8	0.3	0.5%
51.3%	63.5	63.8	0.3	0.5%
52.5%	63.5	63.8	0.3	0.5%
53.8%	63.5	63.8	0.3	0.5%
55.0%	63.5	63.8	0.3	0.5%
56.3%	63.5	63.7	0.3	0.4%
57.5%	63.5	63.7	0.2	0.4%
58.8%	63.4	63.6	0.2	0.3%
60.0%	63.3	63.5	0.2	0.3%
61.3%	63.3	63.5	0.2	0.4%
62.5%	63.3	63.5	0.2	0.4%
63.8%	63.3	63.5	0.3	0.4%
65.0%	63.3	63.5	0.3	0.4%
66.3%	63.2	63.5	0.3	0.4%
67.5%	63.2	63.5	0.3	0.4%
68.8%	63.2	63.4	0.2	0.3%
70.0%	63.2	63.4	0.2	0.4%
71.3%	63.1	63.4	0.3	0.4%
72.5%	63.0	63.3	0.3	0.5%
73.8%	63.0	63.3	0.4	0.6%
75.0%	63.0	63.3	0.3	0.5%
76.3%	62.8	63.2	0.4	0.6%
77.5%	62.8	63.0	0.2	0.3%
78.8%	62.8	62.9	0.2	0.3%
80.0%	62.7	62.9	0.2	0.3%
81.3%	62.7	62.9	0.2	0.3%
82.5%	62.7	62.9	0.2	0.3%
83.8%	62.6	62.8	0.2	0.3%
85.0%	62.6	62.7	0.1	0.2%
86.3%	62.5	62.7	0.2	0.3%
87.5%	62.5	62.6	0.1	0.2%
88.8%	62.3	62.5	0.2	0.3%
90.0%	62.2	62.3	0.2	0.3%
91.3%	62.0	62.1	0.1	0.1%
92.5%	62.0	62.0	0.0	0.0%
93.8%	62.0	62.0	0.0	0.0%
95.0%	61.8	61.8	0.0	0.0%
96.3%	61.7	61.7	0.1	0.1%
97.5%	61.3	61.2	-0.1	-0.2%
98.8%	60.3	60.3	0.0	0.0%
100.0%	59.8	59.7	-0.1	-0.1%

August

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	82.4	79.6	-2.8	-3.4%
1.3%	74.2	74.2	0.0	0.0%
2.5%	73.1	73.9	0.8	1.0%
3.8%	73.0	73.0	0.0	0.0%
5.0%	71.8	70.2	-1.7	-2.3%
6.3%	71.2	69.9	-1.3	-1.8%
7.5%	70.3	69.2	-1.1	-1.6%
8.8%	69.4	69.1	-0.3	-0.4%
10.0%	69.4	68.5	-0.9	-1.2%
11.3%	69.0	68.0	-1.0	-1.4%
12.5%	68.8	68.0	-0.8	-1.1%
13.8%	68.1	67.9	-0.1	-0.2%
15.0%	68.0	67.9	-0.1	-0.1%
16.3%	68.0	67.9	-0.1	-0.2%
17.5%	67.9	67.8	-0.1	-0.1%
18.8%	67.4	67.8	0.5	0.7%
20.0%	67.0	67.1	0.1	0.1%
21.3%	66.6	66.8	0.1	0.2%
22.5%	66.5	66.1	-0.4	-0.7%
23.8%	66.2	65.9	-0.3	-0.4%
25.0%	66.2	65.9	-0.3	-0.4%
26.3%	66.0	65.3	-0.8	-1.1%
27.5%	66.0	65.2	-0.8	-1.3%
28.8%	66.0	65.1	-0.8	-1.3%
30.0%	65.8	65.1	-0.7	-1.1%
31.3%	65.5	65.1	-0.4	-0.5%
32.5%	65.2	65.1	-0.1	-0.2%
33.8%	65.2	65.1	-0.1	-0.1%
35.0%	65.2	65.1	-0.1	-0.1%
36.3%	65.1	65.1	-0.1	-0.1%
37.5%	65.1	65.0	-0.1	-0.2%
38.8%	65.1	65.0	-0.1	-0.1%
40.0%	65.1	65.0	0.0	-0.1%
41.3%	65.1	65.0	0.0	0.0%
42.5%	65.1	65.0	0.0	0.0%
43.8%	65.0	65.0	0.0	0.0%
45.0%	65.0	65.0	0.0	0.0%
46.3%	65.0	65.0	0.0	0.0%
47.5%	65.0	64.9	0.0	-0.1%
48.8%	64.9	64.9	0.0	0.0%
50.0%	64.9	64.9	0.0	0.0%
51.3%	64.9	64.9	0.0	0.0%
52.5%	64.9	64.9	0.0	0.0%
53.8%	64.9	64.9	0.0	0.0%
55.0%	64.9	64.9	0.0	0.0%
56.3%	64.9	64.9	0.0	0.0%
57.5%	64.8	64.9	0.0	0.0%
58.8%	64.8	64.8	0.0	0.0%
60.0%	64.8	64.8	0.0	0.0%
61.3%	64.8	64.8	-0.1	-0.1%
62.5%	64.7	64.7	0.0	0.0%
63.8%	64.6	64.7	0.1	0.2%
65.0%	64.5	64.2	-0.3	-0.4%
66.3%	64.5	64.2	-0.2	-0.4%
67.5%	64.3	64.2	-0.1	-0.2%
68.8%	64.2	64.1	-0.2	-0.2%
70.0%	64.2	64.1	-0.1	-0.2%
71.3%	64.2	64.1	-0.1	-0.2%
72.5%	64.2	64.1	-0.1	-0.2%
73.8%	64.0	64.0	0.0	0.0%
75.0%	64.0	64.0	0.0	0.0%
76.3%	64.0	64.0	0.0	0.0%
77.5%	64.0	64.0	0.0	0.0%
78.8%	63.9	63.9	0.0	0.0%
80.0%	63.9	63.8	-0.2	-0.3%
81.3%	63.3	63.2	0.0	-0.1%
82.5%	63.2	63.1	-0.1	-0.2%
83.8%	63.2	63.1	-0.1	-0.1%
85.0%	63.1	63.1	0.0	0.0%
86.3%	63.1	63.1	0.0	0.0%
87.5%	63.0	63.0	0.0	0.0%
88.8%	63.0	63.0	0.0	0.0%
90.0%	63.0	63.0	0.0	0.0%
91.3%	63.0	63.0	0.0	0.0%
92.5%	63.0	63.0	0.0	0.0%
93.8%	63.0	63.0	0.1	0.1%
95.0%	63.0	62.9	-0.1	-0.1%
96.3%	62.8	62.8	0.0	0.0%
97.5%	62.6	62.6	0.0	0.1%
98.8%	62.3	62.3	-0.1	-0.1%
100.0%	62.1	62.2	0.1	0.1%

September

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	76.1	73.7	-2.4	-3.2%
1.3%	75.1	72.8	-2.3	-3.0%
2.5%	73.8	71.5	-2.3	-3.1%
3.8%	71.0	71.5	0.4	0.6%
5.0%	69.5	70.5	1.0	1.4%
6.3%	68.9	68.9	0.1	0.1%
7.5%	68.7	68.9	0.2	0.3%
8.8%	68.5	68.6	0.1	0.1%
10.0%	68.3	67.8	-0.5	-0.7%
11.3%	68.0	67.8	-0.2	-0.2%
12.5%	67.8	67.7	-0.1	-0.2%
13.8%	67.8	67.7	-0.1	-0.1%
15.0%	67.5	67.6	0.0	0.1%
16.3%	66.8	67.6	0.8	1.2%
17.5%	66.4	67.1	0.7	1.1%
18.8%	66.4	66.9	0.6	0.7%
20.0%	66.1	66.9	0.7	1.1%
21.3%	66.0	66.0	-0.1	-0.1%
22.5%	66.0	65.9	0.0	-0.1%
23.8%	65.8	65.7	-0.1	-0.2%
25.0%	65.7	65.5	-0.2	-0.3%
26.3%	65.4	65.5	0.0	0.1%
27.5%	65.0	65.1	0.1	0.1%
28.8%	64.9	64.9	-0.1	-0.1%
30.0%	64.9	64.8	-0.1	-0.1%
31.3%	64.8	64.8	0.0	0.0%
32.5%	64.8	64.8	-0.1	-0.1%
33.8%	64.8	64.8	0.0	-0.1%
35.0%	64.7	64.8	0.1	0.1%
36.3%	64.7	64.7	0.0	0.0%
37.5%	64.6	64.7	0.0	0.0%
38.8%	64.6	64.6	0.0	0.0%
40.0%	64.6	64.6	0.0	0.0%
41.3%	64.5	64.5	0.0	0.0%
42.5%	64.4	64.5	0.1	0.1%
43.8%	64.4	64.5	0.1	0.1%
45.0%	64.4	64.5	0.1	0.2%
46.3%	64.3	64.4	0.1	0.2%
47.5%	64.3	64.4	0.1	0.1%
48.8%	64.3	64.4	0.1	0.1%
50.0%	64.2	64.3	0.1	0.2%
51.3%	64.1	64.3	0.2	0.4%
52.5%	64.1	64.3	0.2	0.3%
53.8%	64.0	64.3	0.2	0.4%
55.0%	64.0	64.3	0.2	0.4%
56.3%	64.0	64.3	0.2	0.4%
57.5%	64.0	64.2	0.2	0.4%
58.8%	64.0	64.2	0.2	0.4%
60.0%	63.9	64.2	0.3	0.5%
61.3%	63.9	64.1	0.3	0.4%
62.5%	63.8	64.0	0.2	0.3%
63.8%	63.7	63.9	0.2	0.3%
65.0%	63.7	63.9	0.2	0.3%
66.3%	63.7	63.8	0.2	0.3%
67.5%	63.6	63.8	0.2	0.3%
68.8%	63.6	63.8	0.2	0.3%
70.0%	63.5	63.6	0.0	0.0%
71.3%	63.5	63.5	0.0	0.0%
72.5%	63.3	63.5	0.1	0.2%
73.8%	63.2	63.0	-0.2	-0.4%
75.0%	63.1	63.0	-0.1	-0.1%
76.3%	63.0	63.0	0.0	0.0%
77.5%	62.9	62.9	0.0	0.0%
78.8%	62.9	62.9	0.0	-0.1%
80.0%	62.9	62.9	0.0	0.0%
81.3%	62.7	62.8	0.1	0.1%
82.5%	62.7	62.7	0.0	0.0%
83.8%	62.7	62.7	0.0	0.0%
85.0%	62.6	62.7	0.1	0.1%
86.3%	62.6	62.6	0.0	0.1%
87.5%	62.6	62.6	0.0	0.0%
88.8%	62.6	62.6	0.0	0.0%
90.0%	62.5	62.5	0.0	0.0%
91.3%	62.5	62.5	0.1	0.1%
92.5%	62.3	62.5	0.2	0.3%
93.8%	62.3	62.5	0.2	0.3%
95.0%	62.0	62.5	0.4	0.7%
96.3%	62.0	62.4	0.4	0.6%
97.5%	61.9	62.4	0.4	0.7%
98.8%	61.9	62.0	0.1	0.2%
100.0%	61.8	61.9	0.1	0.1%

Table SQ 41-2a

American River at the Mouth, Monthly Temperature

Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
						Monthly Temperature (DEG-F)						
Long-term												
Full Simulation Period[1]												
No Action Alternative	62.5	56.7	50.5	47.4	49.6	53.8	57.5	60.6	63.5	66.4	67.8	66.5
Alternative B	62.3	56.7	50.5	47.4	49.6	53.9	57.6	60.6	63.6	66.5	67.7	66.5
Difference	-0.3	0.0	0.1	0.0	0.0	0.0	0.0	-0.1	0.1	0.1	-0.1	0.0
Percent Difference[3]	-0.4%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	-0.1%	0.1%	0.2%	-0.2%	0.0%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	61.3	56.3	51.1	47.4	49.5	52.9	56.1	58.2	60.8	64.4	66.1	64.9
Alternative B	61.0	56.3	51.1	47.4	49.5	52.9	56.1	58.1	60.8	64.5	66.1	65.0
Difference	-0.3	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.1	0.0	0.2
Percent Difference	-0.5%	-0.1%	0.1%	0.1%	0.0%	0.0%	-0.1%	-0.1%	-0.1%	0.1%	0.0%	0.2%
Above Normal (15%)												
No Action Alternative	61.5	56.1	50.0	47.6	49.2	53.0	56.7	59.3	62.4	65.2	66.6	65.1
Alternative B	61.0	56.1	50.2	47.6	49.2	53.2	56.9	59.4	62.4	65.3	66.6	65.3
Difference	-0.5	0.0	0.1	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.2
Percent Difference	-0.8%	0.0%	0.3%	0.1%	0.1%	0.3%	0.4%	0.2%	0.1%	0.0%	-0.1%	0.3%
Below Normal (17%)												
No Action Alternative	62.1	56.8	50.7	47.2	49.0	53.8	57.5	60.2	63.2	65.6	66.9	65.5
Alternative B	62.1	56.7	50.7	47.2	49.0	53.8	57.5	60.2	63.3	65.6	66.8	65.5
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	-0.1	0.0
Percent Difference	0.0%	-0.1%	0.1%	0.0%	0.0%	-0.1%	0.1%	0.0%	0.2%	0.1%	-0.2%	0.0%
Dry (22%)												
No Action Alternative	63.5	57.0	50.5	47.4	50.1	54.4	58.4	62.2	64.9	66.9	68.2	67.2
Alternative B	63.0	57.0	50.6	47.5	50.0	54.3	58.5	62.3	65.0	66.9	68.1	67.0
Difference	-0.5	0.0	0.1	0.1	-0.1	-0.1	0.1	0.1	0.1	0.0	-0.1	-0.2
Percent Difference	-0.8%	0.0%	0.2%	0.1%	-0.2%	-0.1%	0.2%	0.2%	0.2%	0.0%	-0.1%	-0.3%
Critical (15%)												
No Action Alternative	65.3	57.4	49.3	47.2	50.5	55.9	60.2	65.6	69.0	71.9	73.2	71.4
Alternative B	65.2	57.5	49.4	47.3	50.7	56.0	60.1	65.0	69.2	72.6	72.6	71.2
Difference	0.0	0.1	0.1	0.1	0.2	0.1	-0.1	-0.6	0.2	0.7	-0.6	-0.1
Percent Difference	-0.1%	0.2%	0.2%	0.1%	0.3%	0.2%	-0.2%	-0.9%	0.3%	0.9%	-0.8%	-0.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

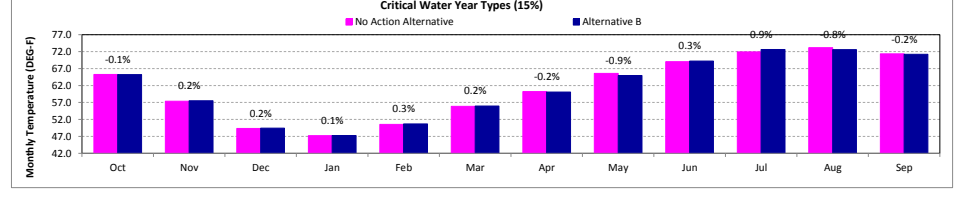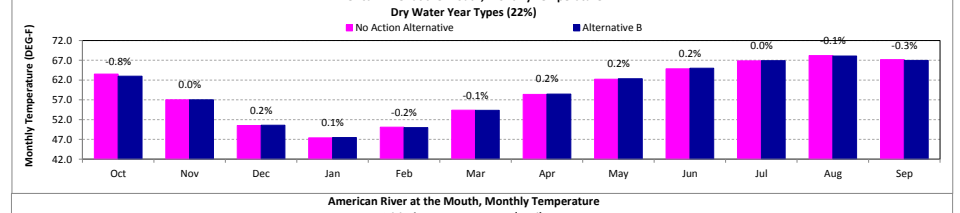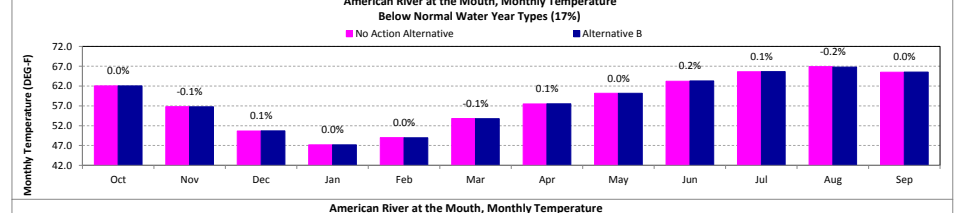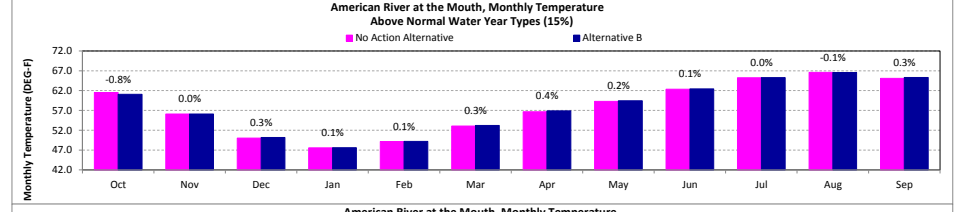3 Relative difference of the monthly average

American River at the Mouth, Monthly Temperature — Full Simulation Period; Wet Water Year Types (32%); Above Normal Water Year Types (15%); Below Normal Water Year Types (17%); Dry Water Year Types (22%); Critical Water Year Types (15%). No Action Alternative and Alternative B.

Figure SQ-41-2b
American River at the Mouth, Monthly Temperature
Probability of Exceedance

October

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	67.1	66.6	-0.5	-0.7%
1.3%	66.7	66.4	-0.4	-0.5%
2.5%	66.4	66.0	-0.4	-0.6%
3.8%	65.9	65.6	-0.3	-0.4%
5.0%	65.4	65.4	0.0	0.0%
6.3%	65.2	65.2	0.0	0.0%
7.5%	65.1	65.1	0.0	0.0%
8.8%	64.8	64.9	0.1	0.2%
10.0%	64.8	64.7	0.0	-0.1%
11.3%	64.7	64.7	0.0	0.0%
12.5%	64.7	64.7	0.0	0.0%
13.8%	64.5	64.6	0.1	0.2%
15.0%	64.4	64.6	0.1	0.2%
16.3%	64.4	64.4	0.0	0.0%
17.5%	64.3	64.3	-0.1	-0.1%
18.8%	64.3	64.3	0.0	-0.1%
20.0%	64.3	64.3	-0.1	-0.1%
21.3%	64.3	64.1	-0.2	-0.3%
22.5%	64.2	64.0	-0.2	-0.3%
23.8%	64.2	63.9	-0.3	-0.4%
25.0%	64.2	63.5	-0.6	-1.0%
26.3%	64.0	63.5	-0.6	-0.9%
27.5%	63.7	63.5	-0.2	-0.4%
28.8%	63.7	63.4	-0.3	-0.5%
30.0%	63.6	63.1	-0.5	-0.8%
31.3%	63.6	62.9	-0.6	-1.0%
32.5%	63.5	62.9	-0.6	-0.9%
33.8%	63.5	62.9	-0.6	-1.0%
35.0%	63.4	62.8	-0.6	-1.0%
36.3%	63.3	62.4	-0.9	-1.5%
37.5%	63.3	62.3	-1.1	-1.7%
38.8%	63.3	62.2	-1.0	-1.6%
40.0%	63.3	62.1	-1.1	-1.8%
41.3%	62.8	62.1	-0.7	-1.1%
42.5%	62.8	62.1	-0.7	-1.1%
43.8%	62.7	62.1	-0.6	-1.0%
45.0%	62.6	62.0	-0.7	-1.1%
46.3%	62.3	61.9	-0.4	-0.6%
47.5%	62.3	61.9	-0.4	-0.6%
48.8%	62.3	61.9	-0.4	-0.6%
50.0%	62.2	61.8	-0.4	-0.7%
51.3%	62.2	61.7	-0.5	-0.8%
52.5%	62.2	61.7	-0.5	-0.9%
53.8%	62.1	61.6	-0.5	-0.9%
55.0%	62.0	61.6	-0.4	-0.7%
56.3%	61.8	61.3	-0.5	-0.9%
57.5%	61.8	61.3	-0.5	-0.7%
58.8%	61.6	61.3	-0.3	-0.5%
60.0%	61.5	61.3	-0.2	-0.4%
61.3%	61.5	61.2	-0.3	-0.4%
62.5%	61.4	61.2	-0.2	-0.3%
63.8%	61.3	61.2	-0.1	-0.2%
65.0%	61.3	61.2	-0.1	-0.2%
66.3%	61.2	61.2	0.0	-0.1%
67.5%	61.2	61.1	-0.1	-0.2%
68.8%	61.2	61.0	-0.1	-0.2%
70.0%	61.1	61.0	-0.2	-0.2%
71.3%	61.1	61.0	-0.1	-0.2%
72.5%	61.1	61.0	-0.1	-0.2%
73.8%	61.1	61.0	-0.1	-0.2%
75.0%	61.1	61.0	-0.1	-0.2%
76.3%	61.0	60.9	-0.1	-0.2%
77.5%	61.0	60.9	-0.1	-0.1%
78.8%	61.0	60.9	-0.1	-0.1%
80.0%	60.9	60.9	-0.1	-0.1%
81.3%	60.9	60.8	-0.1	-0.1%
82.5%	60.9	60.8	0.0	-0.1%
83.8%	60.9	60.8	0.0	-0.1%
85.0%	60.8	60.8	0.0	-0.1%
86.3%	60.8	60.8	0.0	0.0%
87.5%	60.7	60.8	0.0	0.0%
88.8%	60.6	60.6	0.0	0.0%
90.0%	60.6	60.4	-0.2	-0.2%
91.3%	60.5	60.4	-0.2	-0.3%
92.5%	60.4	60.3	-0.1	-0.1%
93.8%	60.4	60.1	-0.2	-0.4%
95.0%	60.4	60.0	-0.2	-0.4%
96.3%	60.1	59.7	-0.3	-0.4%
97.5%	59.6	59.7	0.1	0.2%
98.8%	59.5	59.2	-0.4	-0.6%
100.0%	59.2	58.7	-0.5	-0.8%

November

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	58.8	58.8	0.0	0.0%
1.3%	58.5	58.8	0.3	0.4%
2.5%	58.4	58.4	0.1	0.1%
3.8%	58.3	58.4	0.1	0.1%
5.0%	58.3	58.3	-0.1	-0.1%
6.3%	58.2	58.3	0.0	0.0%
7.5%	58.0	58.2	0.1	0.2%
8.8%	58.0	58.0	0.0	0.0%
10.0%	58.0	57.9	-0.1	-0.1%
11.3%	57.9	57.9	0.0	-0.1%
12.5%	57.9	57.9	0.0	0.0%
13.8%	57.9	57.8	0.0	-0.1%
15.0%	57.8	57.7	0.0	-0.1%
16.3%	57.7	57.7	0.0	0.0%
17.5%	57.6	57.6	0.0	0.0%
18.8%	57.5	57.6	0.1	0.1%
20.0%	57.5	57.5	0.1	0.1%
21.3%	57.5	57.5	0.0	0.0%
22.5%	57.5	57.4	0.0	-0.1%
23.8%	57.5	57.4	0.0	-0.1%
25.0%	57.4	57.3	-0.1	-0.2%
26.3%	57.4	57.3	-0.1	-0.3%
27.5%	57.3	57.3	0.0	-0.1%
28.8%	57.3	57.3	-0.1	-0.1%
30.0%	57.3	57.3	-0.1	-0.1%
31.3%	57.3	57.2	0.0	-0.1%
32.5%	57.2	57.1	-0.1	-0.2%
33.8%	57.2	57.1	-0.1	-0.2%
35.0%	57.2	57.1	-0.1	-0.2%
36.3%	57.2	57.0	-0.2	-0.3%
37.5%	57.2	57.0	-0.1	-0.3%
38.8%	57.2	57.0	-0.1	-0.2%
40.0%	57.1	57.0	-0.1	-0.2%
41.3%	57.1	57.0	-0.1	-0.2%
42.5%	57.0	57.0	-0.1	-0.1%
43.8%	57.0	57.0	-0.1	-0.1%
45.0%	57.0	56.9	-0.1	-0.2%
46.3%	56.9	56.9	0.0	-0.1%
47.5%	56.9	56.9	-0.1	-0.1%
48.8%	56.9	56.9	0.0	0.0%
50.0%	56.8	56.8	0.0	0.0%
51.3%	56.8	56.8	0.0	0.0%
52.5%	56.8	56.8	0.0	0.0%
53.8%	56.8	56.8	0.0	-0.1%
55.0%	56.8	56.8	0.0	0.0%
56.3%	56.8	56.8	0.0	0.0%
57.5%	56.7	56.8	0.0	0.0%
58.8%	56.5	56.8	0.3	0.5%
60.0%	56.5	56.7	0.2	0.4%
61.3%	56.4	56.6	0.1	0.2%
62.5%	56.4	56.5	0.1	0.2%
63.8%	56.4	56.5	0.1	0.1%
65.0%	56.4	56.5	0.1	0.1%
66.3%	56.4	56.4	0.0	0.1%
67.5%	56.4	56.4	0.0	0.0%
68.8%	56.4	56.4	0.0	0.0%
70.0%	56.3	56.3	0.0	0.0%
71.3%	56.3	56.3	0.0	0.0%
72.5%	56.2	56.2	0.1	0.1%
73.8%	56.2	56.1	0.0	-0.1%
75.0%	56.1	56.0	-0.1	-0.2%
76.3%	56.1	56.0	-0.1	-0.2%
77.5%	56.1	56.0	-0.1	-0.2%
78.8%	56.1	55.9	-0.1	-0.2%
80.0%	56.0	55.9	-0.2	-0.3%
81.3%	55.9	55.8	-0.1	-0.2%
82.5%	55.7	55.7	0.0	0.0%
83.8%	55.7	55.6	-0.1	-0.1%
85.0%	55.6	55.6	0.0	0.0%
86.3%	55.5	55.4	-0.1	-0.2%
87.5%	55.4	55.4	0.0	0.1%
88.8%	55.2	55.3	0.1	0.2%
90.0%	55.2	55.2	0.0	0.1%
91.3%	55.1	55.2	0.1	0.2%
92.5%	55.0	55.0	0.0	-0.1%
93.8%	54.9	54.9	-0.1	-0.1%
95.0%	54.9	54.8	0.0	-0.1%
96.3%	54.6	54.8	0.2	0.3%
97.5%	53.8	53.9	0.0	0.1%
98.8%	53.3	53.3	0.0	0.0%
100.0%	53.2	53.1	0.0	0.0%

December

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	53.5	53.6	0.1	0.1%
1.3%	53.2	53.1	-0.1	-0.1%
2.5%	53.0	52.9	-0.1	-0.1%
3.8%	52.9	52.8	0.0	-0.1%
5.0%	52.4	52.5	0.1	0.2%
6.3%	52.4	52.4	0.0	0.0%
7.5%	52.2	52.2	0.0	0.0%
8.8%	52.1	52.2	0.1	0.2%
10.0%	52.1	52.1	0.0	-0.1%
11.3%	52.0	52.1	0.0	0.0%
12.5%	51.9	52.0	0.1	0.2%
13.8%	51.8	52.0	0.1	0.2%
15.0%	51.8	51.7	0.0	-0.1%
16.3%	51.7	51.7	0.0	0.0%
17.5%	51.7	51.7	0.0	0.0%
18.8%	51.5	51.6	0.0	0.0%
20.0%	51.5	51.5	0.0	0.0%
21.3%	51.5	51.5	0.0	0.1%
22.5%	51.5	51.5	0.0	0.0%
23.8%	51.4	51.3	-0.1	-0.1%
25.0%	51.3	51.3	0.0	-0.1%
26.3%	51.2	51.3	0.1	0.1%
27.5%	51.2	51.2	0.0	0.1%
28.8%	51.2	51.1	0.0	-0.1%
30.0%	51.1	51.1	0.0	-0.1%
31.3%	51.1	51.0	-0.1	-0.1%
32.5%	51.0	51.0	0.0	0.0%
33.8%	51.0	51.0	0.0	0.0%
35.0%	50.9	51.0	0.1	0.1%
36.3%	50.9	51.0	0.1	0.2%
37.5%	50.8	51.0	0.1	0.3%
38.8%	50.8	51.0	0.1	0.2%
40.0%	50.8	51.0	0.1	0.2%
41.3%	50.8	50.9	0.1	0.3%
42.5%	50.8	50.9	0.1	0.3%
43.8%	50.8	50.9	0.2	0.3%
45.0%	50.8	50.9	0.2	0.3%
46.3%	50.7	50.9	0.2	0.3%
47.5%	50.7	50.8	0.2	0.3%
48.8%	50.6	50.8	0.2	0.4%
50.0%	50.6	50.7	0.1	0.2%
51.3%	50.6	50.7	0.1	0.2%
52.5%	50.6	50.7	0.1	0.2%
53.8%	50.6	50.7	0.1	0.2%
55.0%	50.5	50.7	0.2	0.3%
56.3%	50.5	50.6	0.2	0.3%
57.5%	50.5	50.6	0.1	0.3%
58.8%	50.4	50.5	0.1	0.3%
60.0%	50.4	50.4	0.1	0.1%
61.3%	50.3	50.4	0.1	0.2%
62.5%	50.3	50.3	0.0	-0.1%
63.8%	50.3	50.3	0.0	0.0%
65.0%	50.2	50.2	0.0	0.0%
66.3%	50.2	50.1	-0.1	-0.2%
67.5%	50.2	50.1	-0.1	-0.1%
68.8%	50.1	50.1	0.0	0.0%
70.0%	49.9	49.9	0.0	0.0%
71.3%	49.8	49.8	0.0	0.0%
72.5%	49.8	49.8	0.0	0.0%
73.8%	49.7	49.8	0.1	0.2%
75.0%	49.6	49.6	0.0	0.1%
76.3%	49.6	49.6	0.0	0.1%
77.5%	49.5	49.6	0.1	0.2%
78.8%	49.5	49.6	0.1	0.1%
80.0%	49.5	49.5	0.0	0.0%
81.3%	49.4	49.4	0.0	0.1%
82.5%	49.4	49.4	0.1	0.1%
83.8%	49.3	49.4	0.1	0.2%
85.0%	49.2	49.4	0.2	0.3%
86.3%	49.1	49.1	0.1	0.2%
87.5%	48.9	49.1	0.2	0.4%
88.8%	48.8	48.9	0.1	0.2%
90.0%	48.5	48.6	0.1	0.2%
91.3%	48.5	48.6	0.1	0.1%
92.5%	48.5	48.5	0.1	0.2%
93.8%	48.4	48.4	0.0	0.0%
95.0%	48.4	48.3	0.0	-0.1%
96.3%	48.2	48.2	0.0	-0.1%
97.5%	48.0	47.9	-0.1	-0.2%
98.8%	46.3	47.1	0.8	1.7%
100.0%	46.2	46.7	0.4	0.9%

January

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	50.6	50.4	-0.3	-0.5%
1.3%	50.0	50.0	0.0	0.1%
2.5%	49.5	49.5	0.0	0.1%
3.8%	49.3	49.4	0.1	0.3%
5.0%	49.2	49.4	0.1	0.3%
6.3%	49.2	49.3	0.0	0.1%
7.5%	49.1	49.1	0.0	0.0%
8.8%	49.1	49.1	0.0	0.0%
10.0%	49.0	49.1	0.0	0.1%
11.3%	49.0	49.0	0.0	0.0%
12.5%	49.0	49.0	0.0	-0.1%
13.8%	48.8	48.8	0.0	0.0%
15.0%	48.7	48.8	0.1	0.2%
16.3%	48.7	48.8	0.1	0.2%
17.5%	48.5	48.6	0.1	0.1%
18.8%	48.5	48.5	0.1	0.0%
20.0%	48.5	48.5	0.1	0.1%
21.3%	48.4	48.5	0.1	0.2%
22.5%	48.4	48.5	0.1	0.2%
23.8%	48.3	48.3	0.0	0.0%
25.0%	48.2	48.2	0.0	0.0%
26.3%	48.2	48.2	0.0	0.1%
27.5%	48.2	48.2	0.0	0.0%
28.8%	48.1	48.1	0.0	0.0%
30.0%	48.1	48.1	0.0	0.1%
31.3%	48.1	48.1	0.0	0.1%
32.5%	48.0	48.1	0.0	0.1%
33.8%	48.0	48.1	0.0	0.1%
35.0%	48.0	48.0	0.0	0.1%
36.3%	48.0	48.0	0.0	0.1%
37.5%	47.9	47.9	0.0	0.0%
38.8%	47.9	47.9	0.0	0.0%
40.0%	47.8	47.8	0.0	0.0%
41.3%	47.8	47.8	0.0	0.0%
42.5%	47.7	47.7	0.0	-0.1%
43.8%	47.5	47.5	0.0	0.0%
45.0%	47.5	47.5	0.0	0.0%
46.3%	47.4	47.5	0.1	0.2%
47.5%	47.3	47.5	0.1	0.3%
48.8%	47.3	47.3	0.0	0.0%
50.0%	47.3	47.3	0.0	0.0%
51.3%	47.3	47.3	0.0	0.0%
52.5%	47.3	47.3	0.0	0.0%
53.8%	47.2	47.2	0.0	0.0%
55.0%	47.2	47.2	0.0	-0.1%
56.3%	47.2	47.2	-0.1	-0.1%
57.5%	47.2	47.1	-0.1	-0.1%
58.8%	47.2	47.1	-0.1	-0.1%
60.0%	47.1	47.1	-0.1	-0.1%
61.3%	47.0	47.1	0.1	0.1%
62.5%	47.0	47.0	0.0	0.0%
63.8%	47.0	47.0	0.0	0.0%
65.0%	47.0	47.0	0.0	0.0%
66.3%	46.9	46.9	0.0	0.0%
67.5%	46.9	46.9	0.0	0.0%
68.8%	46.8	46.9	0.0	0.0%
70.0%	46.8	46.8	0.0	-0.1%
71.3%	46.7	46.8	0.0	0.1%
72.5%	46.6	46.6	0.0	0.0%
73.8%	46.5	46.6	0.1	0.2%
75.0%	46.5	46.6	0.1	0.2%
76.3%	46.3	46.4	0.0	0.1%
77.5%	46.3	46.4	0.1	0.2%
78.8%	46.2	46.3	0.1	0.2%
80.0%	46.2	46.3	0.1	0.2%
81.3%	46.1	46.3	0.2	0.4%
82.5%	46.1	46.3	0.2	0.3%
83.8%	46.1	46.3	0.1	0.2%
85.0%	46.1	46.2	0.1	0.3%
86.3%	46.0	46.2	0.2	0.5%
87.5%	46.0	46.2	0.2	0.5%
88.8%	45.9	46.0	0.0	0.1%
90.0%	45.9	45.9	0.0	0.0%
91.3%	45.6	45.8	0.2	0.4%
92.5%	45.6	45.5	-0.1	-0.3%
93.8%	45.5	45.5	0.0	0.0%
95.0%	45.4	45.4	0.0	0.0%
96.3%	45.3	45.4	0.2	0.4%
97.5%	45.2	45.4	0.2	0.4%
98.8%	45.1	45.0	-0.1	-0.2%
100.0%	44.6	44.5	-0.2	-0.3%

Table SQ-**41**-2b
American River at the Mouth, Monthly Temperature
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	52.7	52.4	-0.3	-0.6%
1.3%	52.4	52.2	-0.3	-0.5%
2.5%	52.2	52.2	-0.1	-0.2%
3.8%	52.1	52.1	0.0	0.0%
5.0%	52.1	51.8	-0.2	-0.4%
6.3%	51.8	51.8	0.1	0.1%
7.5%	51.7	51.8	0.1	0.2%
8.8%	51.6	51.8	0.2	0.4%
10.0%	51.5	51.8	0.3	0.5%
11.3%	51.5	51.5	0.1	0.1%
12.5%	51.4	51.5	0.1	0.2%
13.8%	51.3	51.4	0.1	0.3%
15.0%	51.3	51.4	0.1	0.2%
16.3%	51.2	51.3	0.1	0.2%
17.5%	51.2	51.3	0.1	0.2%
18.8%	51.2	51.3	0.1	0.1%
20.0%	51.2	51.3	0.1	0.2%
21.3%	51.1	51.2	0.1	0.2%
22.5%	50.8	51.0	0.2	0.4%
23.8%	50.6	50.7	0.1	0.2%
25.0%	50.5	50.6	0.1	0.1%
26.3%	50.5	50.5	0.0	0.1%
27.5%	50.5	50.5	0.0	0.1%
28.8%	50.5	50.5	0.0	0.1%
30.0%	50.4	50.4	0.0	0.0%
31.3%	50.4	50.4	0.0	0.1%
32.5%	50.3	50.4	0.1	0.2%
33.8%	50.3	50.4	0.1	0.1%
35.0%	50.3	50.4	0.1	0.2%
36.3%	50.3	50.3	0.1	0.1%
37.5%	50.2	50.3	0.0	0.1%
38.8%	50.2	50.2	0.0	0.1%
40.0%	50.2	50.2	0.0	0.0%
41.3%	50.2	50.2	0.0	0.0%
42.5%	50.2	50.2	0.0	0.0%
43.8%	50.2	50.2	0.0	0.1%
45.0%	50.1	50.1	0.0	0.0%
46.3%	50.1	50.0	-0.1	-0.1%
47.5%	50.0	49.9	-0.1	-0.2%
48.8%	50.0	49.8	-0.2	-0.3%
50.0%	49.9	49.8	-0.1	-0.1%
51.3%	49.8	49.8	0.0	0.0%
52.5%	49.8	49.7	-0.1	-0.2%
53.8%	49.8	49.7	-0.1	-0.2%
55.0%	49.8	49.7	-0.1	-0.2%
56.3%	49.7	49.6	-0.1	-0.2%
57.5%	49.6	49.5	-0.1	-0.2%
58.8%	49.5	49.5	0.0	0.0%
60.0%	49.5	49.4	-0.1	-0.2%
61.3%	49.4	49.3	-0.1	-0.2%
62.5%	49.3	49.1	-0.1	-0.3%
63.8%	49.2	49.1	-0.1	-0.1%
65.0%	49.1	49.1	0.0	0.0%
66.3%	49.0	49.0	0.0	0.1%
67.5%	49.0	49.0	0.1	0.1%
68.8%	48.9	48.9	0.0	-0.1%
70.0%	48.9	48.9	0.0	0.0%
71.3%	48.8	48.8	0.0	0.1%
72.5%	48.7	48.8	0.2	0.4%
73.8%	48.7	48.8	0.2	0.3%
75.0%	48.6	48.8	0.2	0.4%
76.3%	48.6	48.6	0.0	0.0%
77.5%	48.5	48.5	0.0	0.0%
78.8%	48.3	48.3	0.1	0.1%
80.0%	48.3	48.3	0.0	0.0%
81.3%	48.3	48.3	0.0	0.0%
82.5%	48.2	48.2	-0.1	-0.1%
83.8%	48.2	48.1	-0.1	-0.1%
85.0%	48.1	48.1	0.0	-0.1%
86.3%	48.1	48.0	-0.1	-0.1%
87.5%	48.0	48.0	0.0	0.0%
88.8%	47.8	47.7	0.0	0.0%
90.0%	47.8	47.7	-0.1	-0.3%
91.3%	47.4	47.4	0.0	0.0%
92.5%	47.4	47.3	-0.1	-0.2%
93.8%	47.2	47.2	0.0	0.0%
95.0%	47.2	47.1	-0.1	-0.3%
96.3%	47.1	46.8	-0.3	-0.5%
97.5%	46.8	46.8	0.0	0.0%
98.8%	46.6	46.6	0.1	0.1%
100.0%	46.3	46.5	0.3	0.6%

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	57.9	59.0	1.1	1.9%
1.3%	57.8	58.1	0.3	0.6%
2.5%	57.6	57.2	-0.4	-0.6%
3.8%	57.2	57.2	0.1	0.1%
5.0%	56.9	57.0	0.1	0.2%
6.3%	56.7	56.6	-0.1	-0.1%
7.5%	56.6	56.4	-0.2	-0.4%
8.8%	56.4	56.0	-0.4	-0.6%
10.0%	55.9	55.9	0.0	0.0%
11.3%	55.8	55.8	0.0	-0.1%
12.5%	55.8	55.8	-0.1	-0.1%
13.8%	55.6	55.6	0.0	-0.1%
15.0%	55.4	55.6	0.1	0.3%
16.3%	55.4	55.6	0.2	0.3%
17.5%	55.4	55.5	0.1	0.3%
18.8%	55.3	55.3	0.0	0.0%
20.0%	55.2	55.3	0.0	0.1%
21.3%	55.2	55.3	0.0	0.0%
22.5%	55.1	55.2	0.1	0.2%
23.8%	55.0	55.1	0.1	0.1%
25.0%	54.9	55.0	0.1	0.1%
26.3%	54.9	55.0	0.0	0.1%
27.5%	54.9	54.9	0.0	0.1%
28.8%	54.9	54.9	0.0	0.0%
30.0%	54.9	54.8	0.0	-0.1%
31.3%	54.8	54.8	0.0	0.1%
32.5%	54.8	54.7	-0.1	-0.2%
33.8%	54.8	54.4	-0.4	-0.7%
35.0%	54.7	54.4	-0.3	-0.6%
36.3%	54.6	54.3	-0.3	-0.6%
37.5%	54.5	54.2	-0.3	-0.6%
38.8%	54.5	54.2	-0.3	-0.5%
40.0%	54.5	54.2	-0.3	-0.6%
41.3%	54.3	54.1	-0.1	-0.3%
42.5%	54.1	54.1	0.0	0.1%
43.8%	53.9	54.1	0.3	0.5%
45.0%	53.8	54.0	0.2	0.3%
46.3%	53.8	53.9	0.2	0.3%
47.5%	53.7	53.8	0.1	0.2%
48.8%	53.7	53.7	0.0	0.1%
50.0%	53.7	53.7	0.0	0.1%
51.3%	53.7	53.7	0.0	0.1%
52.5%	53.6	53.7	0.1	0.1%
53.8%	53.6	53.6	0.0	0.1%
55.0%	53.6	53.6	0.0	0.0%
56.3%	53.5	53.5	0.0	0.0%
57.5%	53.5	53.5	0.0	0.1%
58.8%	53.5	53.5	0.0	0.0%
60.0%	53.5	53.5	0.0	0.1%
61.3%	53.4	53.5	0.1	0.2%
62.5%	53.2	53.4	0.2	0.3%
63.8%	53.2	53.3	0.1	0.2%
65.0%	53.1	53.3	0.2	0.3%
66.3%	53.1	53.3	0.2	0.4%
67.5%	52.9	53.2	0.3	0.5%
68.8%	52.9	53.1	0.3	0.5%
70.0%	52.8	53.0	0.2	0.3%
71.3%	52.8	53.0	0.2	0.3%
72.5%	52.8	52.9	0.2	0.3%
73.8%	52.7	52.8	0.1	0.2%
75.0%	52.7	52.8	0.1	0.3%
76.3%	52.7	52.8	0.1	0.2%
77.5%	52.6	52.6	0.0	0.0%
78.8%	52.6	52.6	0.0	0.0%
80.0%	52.6	52.5	-0.1	-0.2%
81.3%	52.4	52.4	0.0	0.0%
82.5%	52.4	52.4	0.0	0.1%
83.8%	52.3	52.3	0.0	-0.1%
85.0%	52.2	52.2	0.0	0.0%
86.3%	52.1	52.2	0.1	0.1%
87.5%	52.1	52.0	-0.1	-0.2%
88.8%	51.9	51.9	0.0	-0.1%
90.0%	51.8	51.6	-0.2	-0.3%
91.3%	51.5	51.5	0.0	0.0%
92.5%	51.5	51.5	0.0	0.0%
93.8%	51.5	51.5	0.0	0.0%
95.0%	51.2	51.2	0.0	-0.1%
96.3%	51.2	51.1	-0.1	-0.1%
97.5%	50.9	50.9	0.0	-0.1%
98.8%	50.8	50.6	-0.3	-0.5%
100.0%	50.5	50.5	0.0	0.0%

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	64.4	65.3	0.9	1.4%
1.3%	64.0	61.7	-2.3	-3.5%
2.5%	61.4	61.4	0.0	0.0%
3.8%	61.3	61.0	-0.3	-0.4%
5.0%	61.2	60.8	-0.4	-0.7%
6.3%	60.9	60.7	-0.2	-0.3%
7.5%	60.3	60.4	0.1	0.2%
8.8%	60.1	60.3	0.3	0.4%
10.0%	59.8	60.3	0.5	0.8%
11.3%	59.8	60.1	0.3	0.5%
12.5%	59.6	59.7	0.1	0.2%
13.8%	59.6	59.7	0.1	0.2%
15.0%	59.5	59.5	0.0	0.0%
16.3%	59.5	59.5	0.0	0.0%
17.5%	59.5	59.4	0.0	0.0%
18.8%	59.5	59.4	0.0	0.0%
20.0%	59.4	59.3	-0.1	-0.2%
21.3%	59.3	59.3	0.0	0.0%
22.5%	59.3	59.3	0.0	0.0%
23.8%	59.0	59.1	0.1	0.2%
25.0%	58.9	59.0	0.1	0.1%
26.3%	58.9	59.0	0.1	0.1%
27.5%	58.8	58.9	0.1	0.2%
28.8%	58.8	58.9	0.2	0.3%
30.0%	58.8	58.9	0.1	0.2%
31.3%	58.6	58.5	0.0	-0.1%
32.5%	58.5	58.4	-0.2	-0.3%
33.8%	58.4	58.3	-0.1	-0.2%
35.0%	58.4	58.3	0.0	-0.1%
36.3%	58.1	58.3	0.1	0.2%
37.5%	58.1	58.3	0.2	0.3%
38.8%	57.9	58.1	0.1	0.2%
40.0%	57.8	58.0	0.1	0.2%
41.3%	57.8	57.9	0.2	0.3%
42.5%	57.5	57.9	0.4	0.6%
43.8%	57.5	57.8	0.3	0.6%
45.0%	57.5	57.8	0.3	0.6%
46.3%	57.5	57.8	0.4	0.6%
47.5%	57.4	57.5	0.0	0.1%
48.8%	57.4	57.3	-0.1	-0.1%
50.0%	57.3	57.3	0.0	-0.1%
51.3%	57.3	57.3	0.0	0.0%
52.5%	57.2	57.2	0.1	0.1%
53.8%	57.1	57.2	0.1	0.1%
55.0%	57.1	57.1	0.0	0.0%
56.3%	57.0	57.1	0.1	0.1%
57.5%	57.0	57.0	0.0	0.1%
58.8%	57.0	57.0	0.0	0.1%
60.0%	56.8	56.9	0.1	0.2%
61.3%	56.7	56.8	0.1	0.1%
62.5%	56.7	56.7	0.0	0.0%
63.8%	56.7	56.7	0.1	0.1%
65.0%	56.6	56.7	0.1	0.1%
66.3%	56.6	56.6	0.0	0.1%
67.5%	56.6	56.6	0.0	0.1%
68.8%	56.5	56.5	0.1	0.2%
70.0%	56.4	56.4	0.0	0.0%
71.3%	56.3	56.4	0.0	0.1%
72.5%	56.3	56.3	0.0	0.1%
73.8%	56.3	56.3	0.0	0.1%
75.0%	56.2	56.3	0.1	0.1%
76.3%	56.1	56.1	0.0	-0.1%
77.5%	56.0	56.1	0.0	0.1%
78.8%	56.0	56.0	0.1	0.1%
80.0%	55.9	56.0	0.2	0.3%
81.3%	55.8	55.9	0.1	0.1%
82.5%	55.7	55.7	-0.1	-0.1%
83.8%	55.7	55.5	-0.1	-0.2%
85.0%	55.5	55.5	0.0	0.0%
86.3%	55.2	55.4	0.2	0.4%
87.5%	55.2	55.2	0.0	0.0%
88.8%	55.1	55.2	0.0	0.0%
90.0%	55.1	55.1	0.1	0.1%
91.3%	55.0	55.1	0.0	0.0%
92.5%	55.0	55.0	-0.1	-0.1%
93.8%	54.7	54.8	0.1	0.2%
95.0%	54.6	54.5	-0.1	-0.3%
96.3%	54.4	54.3	-0.1	-0.2%
97.5%	54.4	54.1	-0.3	-0.5%
98.8%	54.3	54.0	-0.3	-0.6%
100.0%	53.8	53.9	0.0	0.1%

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	71.5	70.5	-0.9	-1.3%
1.3%	71.3	68.5	-2.8	-3.9%
2.5%	69.7	68.0	-1.6	-2.4%
3.8%	67.2	67.2	0.1	0.1%
5.0%	66.0	66.3	0.4	0.5%
6.3%	65.7	65.6	-0.1	-0.1%
7.5%	65.4	65.5	0.2	0.3%
8.8%	65.1	64.9	-0.2	-0.3%
10.0%	64.9	64.8	-0.1	-0.1%
11.3%	64.3	64.5	0.2	0.2%
12.5%	64.3	64.3	0.1	0.1%
13.8%	64.0	64.2	0.2	0.4%
15.0%	63.8	64.1	0.3	0.5%
16.3%	63.6	63.9	0.3	0.4%
17.5%	63.5	63.6	0.1	0.1%
18.8%	63.5	63.5	0.0	0.1%
20.0%	63.2	63.2	0.0	0.0%
21.3%	63.0	62.9	-0.1	-0.2%
22.5%	63.0	62.9	-0.2	-0.2%
23.8%	62.9	62.8	-0.2	-0.3%
25.0%	62.9	62.4	-0.5	-0.8%
26.3%	62.7	62.4	-0.3	-0.4%
27.5%	62.7	62.3	-0.3	-0.6%
28.8%	62.6	62.0	-0.6	-0.9%
30.0%	62.4	62.0	-0.4	-0.6%
31.3%	62.4	62.0	-0.4	-0.6%
32.5%	62.4	61.9	-0.5	-0.8%
33.8%	62.1	61.8	-0.3	-0.5%
35.0%	62.1	61.6	-0.4	-0.7%
36.3%	61.8	61.6	-0.2	-0.3%
37.5%	61.8	61.6	-0.2	-0.2%
38.8%	61.4	61.6	0.2	0.3%
40.0%	60.9	61.1	0.2	0.3%
41.3%	60.7	60.7	-0.1	-0.1%
42.5%	60.6	60.2	-0.4	-0.7%
43.8%	60.3	60.1	-0.3	-0.4%
45.0%	60.1	60.1	0.0	-0.1%
46.3%	60.1	60.0	0.0	-0.1%
47.5%	60.1	60.0	-0.1	-0.1%
48.8%	60.0	60.0	-0.1	-0.1%
50.0%	59.8	59.9	0.1	0.3%
51.3%	59.7	59.8	0.0	0.1%
52.5%	59.7	59.7	0.1	0.1%
53.8%	59.7	59.7	0.1	0.1%
55.0%	59.4	59.6	0.2	0.4%
56.3%	59.2	59.4	0.2	0.3%
57.5%	59.2	59.3	0.1	0.2%
58.8%	59.1	59.3	0.1	0.3%
60.0%	59.0	59.3	0.3	0.5%
61.3%	58.9	59.2	0.4	0.6%
62.5%	58.8	59.1	0.3	0.5%
63.8%	58.8	58.9	0.1	0.3%
65.0%	58.7	58.9	0.2	0.3%
66.3%	58.7	58.8	0.1	0.2%
67.5%	58.7	58.8	0.1	0.2%
68.8%	58.4	58.8	0.3	0.6%
70.0%	58.4	58.7	0.3	0.5%
71.3%	58.3	58.6	0.3	0.4%
72.5%	58.3	58.6	0.2	0.4%
73.8%	58.3	58.3	0.1	0.1%
75.0%	58.1	58.1	0.0	0.0%
76.3%	58.1	58.1	0.0	0.0%
77.5%	58.1	58.1	0.0	0.0%
78.8%	58.1	58.1	0.0	0.1%
80.0%	58.1	58.1	0.0	0.0%
81.3%	58.0	58.1	0.1	0.2%
82.5%	57.9	58.0	0.1	0.3%
83.8%	57.8	57.8	0.0	0.0%
85.0%	57.8	57.7	0.0	-0.1%
86.3%	57.6	57.6	0.0	0.0%
87.5%	57.6	57.5	0.0	-0.1%
88.8%	57.2	57.4	0.2	0.4%
90.0%	57.1	57.4	0.3	0.5%
91.3%	57.0	57.3	0.3	0.6%
92.5%	57.0	56.8	-0.2	-0.3%
93.8%	56.7	56.7	0.0	0.0%
95.0%	56.7	56.6	-0.1	-0.1%
96.3%	56.4	56.3	-0.1	-0.2%
97.5%	56.3	56.1	-0.2	-0.4%
98.8%	56.2	55.6	-0.6	-1.0%
100.0%	55.4	55.3	-0.1	-0.2%

Table SQ-**41**-2b
American River at the Mouth, Monthly Temperature
Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	76.0	76.2	0.2	0.3%
1.3%	73.8	75.7	1.9	2.5%
2.5%	73.1	74.5	1.4	1.9%
3.8%	72.0	73.0	1.0	1.4%
5.0%	70.5	69.3	-1.2	-1.7%
6.3%	67.3	67.5	0.2	0.3%
7.5%	67.1	67.5	0.3	0.5%
8.8%	67.1	67.3	0.2	0.3%
10.0%	67.1	67.1	0.1	0.1%
11.3%	66.9	66.9	0.0	0.0%
12.5%	66.9	66.8	-0.1	-0.1%
13.8%	66.8	66.7	-0.1	-0.2%
15.0%	66.7	66.6	-0.1	-0.1%
16.3%	66.5	66.4	-0.1	-0.1%
17.5%	66.4	66.4	0.0	0.0%
18.8%	66.3	66.4	0.0	0.0%
20.0%	66.3	66.3	0.0	0.0%
21.3%	66.3	66.0	-0.3	-0.4%
22.5%	66.0	65.9	-0.1	-0.1%
23.8%	66.0	65.8	-0.2	-0.4%
25.0%	65.6	65.6	-0.1	-0.1%
26.3%	65.4	65.5	0.1	0.2%
27.5%	65.4	65.5	0.0	0.1%
28.8%	65.2	65.2	0.0	0.0%
30.0%	65.2	65.2	0.0	0.0%
31.3%	65.1	64.8	-0.4	-0.6%
32.5%	64.9	64.7	-0.1	-0.2%
33.8%	64.3	64.7	0.4	0.6%
35.0%	64.3	64.3	0.0	0.0%
36.3%	64.1	63.8	-0.3	-0.4%
37.5%	64.0	63.8	-0.2	-0.3%
38.8%	63.7	63.8	0.1	0.1%
40.0%	63.7	63.8	0.1	0.1%
41.3%	63.5	63.7	0.1	0.2%
42.5%	63.4	63.3	-0.1	-0.1%
43.8%	63.4	63.3	0.0	-0.1%
45.0%	63.3	63.2	-0.1	-0.2%
46.3%	63.1	63.2	0.2	0.2%
47.5%	63.0	63.1	0.1	0.2%
48.8%	63.0	63.1	0.2	0.3%
50.0%	62.9	63.0	0.2	0.3%
51.3%	62.8	62.9	0.1	0.1%
52.5%	62.7	62.7	0.1	0.1%
53.8%	62.5	62.6	0.1	0.1%
55.0%	62.5	62.6	0.1	0.2%
56.3%	62.5	62.5	0.0	0.0%
57.5%	62.4	62.4	0.0	0.0%
58.8%	62.3	62.4	0.2	0.3%
60.0%	62.0	62.3	0.3	0.5%
61.3%	62.0	62.2	0.2	0.3%
62.5%	62.0	62.2	0.2	0.4%
63.8%	61.8	62.1	0.3	0.5%
65.0%	61.8	62.1	0.3	0.4%
66.3%	61.7	62.0	0.3	0.5%
67.5%	61.7	62.0	0.3	0.4%
68.8%	61.7	61.9	0.2	0.3%
70.0%	61.7	61.8	0.2	0.3%
71.3%	61.6	61.8	0.2	0.3%
72.5%	61.6	61.7	0.0	0.0%
73.8%	61.5	61.5	0.0	0.1%
75.0%	61.5	61.5	0.0	0.0%
76.3%	61.2	61.3	0.1	0.2%
77.5%	61.1	61.2	0.1	0.2%
78.8%	60.9	60.9	0.0	0.0%
80.0%	60.7	60.9	0.2	0.2%
81.3%	60.7	60.8	0.1	0.2%
82.5%	60.7	60.8	0.0	0.1%
83.8%	60.7	60.7	0.0	0.0%
85.0%	60.6	60.5	-0.1	-0.1%
86.3%	60.6	60.5	-0.1	-0.2%
87.5%	60.5	60.4	0.0	0.0%
88.8%	60.4	60.4	0.0	0.0%
90.0%	60.3	60.3	0.0	0.0%
91.3%	60.2	60.2	0.0	0.0%
92.5%	60.1	60.1	0.0	0.0%
93.8%	59.5	59.5	0.0	0.1%
95.0%	59.2	59.2	0.0	-0.1%
96.3%	58.8	58.8	0.0	-0.1%
97.5%	58.7	58.6	-0.1	-0.1%
98.8%	58.1	57.8	-0.3	-0.4%
100.0%	57.8	57.8	0.0	0.0%

July

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	82.2	82.5	0.3	0.4%
1.3%	74.9	79.1	4.2	5.6%
2.5%	74.2	75.8	1.5	2.1%
3.8%	73.8	74.8	1.0	1.3%
5.0%	72.8	71.6	-1.2	-1.7%
6.3%	71.9	70.9	-1.0	-1.5%
7.5%	70.5	70.9	0.3	0.5%
8.8%	69.9	70.2	0.3	0.5%
10.0%	69.4	69.6	0.2	0.2%
11.3%	69.4	69.6	0.2	0.2%
12.5%	69.3	69.3	0.0	0.0%
13.8%	69.1	69.2	0.0	0.1%
15.0%	68.7	68.6	0.0	0.0%
16.3%	68.6	68.5	-0.1	-0.1%
17.5%	68.3	68.0	-0.3	-0.5%
18.8%	67.9	67.8	-0.1	-0.1%
20.0%	67.9	67.8	0.0	-0.1%
21.3%	67.8	67.4	-0.4	-0.6%
22.5%	67.0	67.4	0.3	0.5%
23.8%	67.0	67.0	0.0	0.0%
25.0%	66.8	66.9	0.1	0.2%
26.3%	66.7	66.7	0.0	0.0%
27.5%	66.5	66.7	0.2	0.3%
28.8%	66.4	66.6	0.2	0.3%
30.0%	66.3	66.3	0.1	0.1%
31.3%	66.3	66.3	0.0	0.0%
32.5%	66.2	66.2	0.0	0.1%
33.8%	66.2	66.2	0.1	0.1%
35.0%	66.1	66.2	0.1	0.2%
36.3%	66.0	66.2	0.2	0.3%
37.5%	66.0	66.1	0.1	0.2%
38.8%	65.9	66.0	0.1	0.1%
40.0%	65.9	66.0	0.0	0.1%
41.3%	65.8	66.0	0.1	0.2%
42.5%	65.8	65.9	0.1	0.2%
43.8%	65.8	65.8	0.1	0.1%
45.0%	65.8	65.8	0.0	0.1%
46.3%	65.7	65.8	0.1	0.1%
47.5%	65.7	65.8	0.1	0.2%
48.8%	65.6	65.8	0.2	0.2%
50.0%	65.6	65.7	0.2	0.3%
51.3%	65.5	65.7	0.2	0.2%
52.5%	65.5	65.7	0.2	0.2%
53.8%	65.4	65.6	0.2	0.3%
55.0%	65.4	65.6	0.2	0.3%
56.3%	65.4	65.6	0.2	0.3%
57.5%	65.4	65.6	0.2	0.3%
58.8%	65.4	65.6	0.2	0.3%
60.0%	65.3	65.5	0.2	0.2%
61.3%	65.3	65.5	0.2	0.3%
62.5%	65.2	65.4	0.3	0.4%
63.8%	65.2	65.4	0.3	0.4%
65.0%	65.2	65.3	0.2	0.3%
66.3%	65.1	65.3	0.2	0.3%
67.5%	65.1	65.3	0.2	0.3%
68.8%	65.0	65.2	0.2	0.3%
70.0%	65.0	65.2	0.1	0.2%
71.3%	65.0	65.2	0.1	0.2%
72.5%	65.0	65.2	0.2	0.2%
73.8%	65.0	65.1	0.2	0.2%
75.0%	64.9	65.1	0.2	0.3%
76.3%	64.7	65.0	0.2	0.3%
77.5%	64.7	64.8	0.1	0.2%
78.8%	64.6	64.8	0.2	0.3%
80.0%	64.6	64.7	0.1	0.1%
81.3%	64.6	64.6	0.0	0.1%
82.5%	64.6	64.6	0.0	0.0%
83.8%	64.6	64.5	0.0	-0.1%
85.0%	64.5	64.5	0.0	0.0%
86.3%	64.4	64.4	0.0	0.0%
87.5%	64.3	64.4	0.1	0.2%
88.8%	64.2	64.3	0.1	0.2%
90.0%	64.2	64.1	0.0	0.0%
91.3%	64.1	64.0	-0.1	-0.1%
92.5%	64.1	64.0	-0.1	-0.2%
93.8%	64.0	63.9	-0.1	-0.1%
95.0%	63.6	63.6	0.0	-0.1%
96.3%	63.4	63.4	0.0	-0.1%
97.5%	63.0	62.9	-0.1	-0.2%
98.8%	61.9	61.9	0.0	0.0%
100.0%	61.7	61.5	-0.1	-0.2%

August

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	82.7	80.9	-1.9	-2.3%
1.3%	78.1	76.2	-1.9	-2.4%
2.5%	75.5	75.4	-0.1	-0.1%
3.8%	74.5	74.4	0.0	0.0%
5.0%	73.6	72.3	-1.3	-1.7%
6.3%	73.2	71.2	-2.0	-2.8%
7.5%	71.6	70.9	-0.7	-1.0%
8.8%	71.0	70.7	-0.3	-0.4%
10.0%	70.6	70.7	0.1	0.2%
11.3%	70.4	70.0	-0.5	-0.7%
12.5%	70.1	70.0	-0.1	-0.2%
13.8%	69.9	69.8	-0.1	-0.2%
15.0%	69.8	69.7	-0.1	-0.2%
16.3%	69.6	69.6	0.0	0.0%
17.5%	69.5	69.5	0.1	0.1%
18.8%	69.5	69.5	0.0	0.0%
20.0%	68.9	69.2	0.3	0.4%
21.3%	68.5	68.8	0.3	0.5%
22.5%	68.4	68.4	0.1	0.1%
23.8%	68.3	68.2	-0.1	-0.1%
25.0%	68.3	67.7	-0.6	-0.8%
26.3%	68.0	67.7	-0.3	-0.5%
27.5%	67.9	67.6	-0.3	-0.5%
28.8%	67.7	67.6	-0.1	-0.1%
30.0%	67.6	67.5	-0.1	-0.1%
31.3%	67.5	67.4	-0.1	-0.1%
32.5%	67.5	67.4	-0.1	-0.1%
33.8%	67.5	67.4	-0.1	-0.1%
35.0%	67.4	67.4	0.0	0.0%
36.3%	67.4	67.4	0.0	0.0%
37.5%	67.4	67.4	0.0	0.0%
38.8%	67.3	67.3	0.0	0.0%
40.0%	67.3	67.3	0.0	0.0%
41.3%	67.3	67.3	0.0	0.0%
42.5%	67.3	67.3	0.0	0.0%
43.8%	67.3	67.3	0.0	0.0%
45.0%	67.3	67.3	0.0	0.0%
46.3%	67.3	67.2	0.0	-0.1%
47.5%	67.2	67.2	0.0	-0.1%
48.8%	67.2	67.2	0.0	0.0%
50.0%	67.2	67.2	0.0	0.0%
51.3%	67.2	67.2	0.0	0.0%
52.5%	67.1	67.1	0.0	0.0%
53.8%	67.1	67.1	0.0	0.0%
55.0%	67.1	67.1	0.0	0.0%
56.3%	67.0	67.1	0.1	0.1%
57.5%	66.9	67.0	0.0	0.1%
58.8%	66.9	67.0	0.1	0.1%
60.0%	66.8	67.0	0.1	0.2%
61.3%	66.7	66.9	0.2	0.3%
62.5%	66.7	66.8	0.2	0.2%
63.8%	66.7	66.8	0.1	0.2%
65.0%	66.7	66.7	0.0	0.0%
66.3%	66.6	66.6	0.0	0.0%
67.5%	66.6	66.6	0.0	0.0%
68.8%	66.5	66.5	0.0	0.0%
70.0%	66.5	66.5	0.0	-0.1%
71.3%	66.5	66.5	0.0	0.0%
72.5%	66.4	66.4	0.0	0.0%
73.8%	66.4	66.3	-0.1	-0.1%
75.0%	66.4	66.2	-0.2	-0.3%
76.3%	66.3	66.1	-0.2	-0.3%
77.5%	66.3	66.1	-0.2	-0.3%
78.8%	66.2	65.9	-0.3	-0.4%
80.0%	66.0	65.9	-0.1	-0.1%
81.3%	65.8	65.8	0.0	0.0%
82.5%	65.6	65.6	0.0	0.0%
83.8%	65.6	65.6	0.0	0.0%
85.0%	65.6	65.5	-0.1	-0.1%
86.3%	65.5	65.4	-0.1	-0.1%
87.5%	65.4	65.4	0.0	0.0%
88.8%	65.3	65.4	0.1	0.2%
90.0%	65.3	65.4	0.1	0.2%
91.3%	65.1	65.3	0.2	0.3%
92.5%	65.1	65.3	0.2	0.3%
93.8%	65.1	65.2	0.1	0.2%
95.0%	65.0	65.1	0.1	0.1%
96.3%	64.9	65.0	0.1	0.1%
97.5%	64.9	64.9	0.0	0.0%
98.8%	64.9	64.8	-0.1	-0.2%
100.0%	64.7	64.7	0.0	0.0%

September

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative B Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	76.5	75.4	-1.1	-1.4%
1.3%	75.6	74.7	-0.8	-1.1%
2.5%	74.6	73.2	-1.3	-1.8%
3.8%	72.7	73.1	0.4	0.6%
5.0%	71.5	71.7	0.2	0.2%
6.3%	70.5	70.5	0.0	0.0%
7.5%	70.4	70.5	0.0	0.1%
8.8%	70.3	70.2	-0.1	-0.1%
10.0%	70.3	69.4	-0.9	-1.2%
11.3%	69.6	69.2	-0.4	-0.5%
12.5%	69.4	69.1	-0.3	-0.4%
13.8%	69.4	69.1	-0.3	-0.5%
15.0%	69.3	69.0	-0.2	-0.3%
16.3%	68.4	68.9	0.5	0.7%
17.5%	68.0	68.4	0.4	0.7%
18.8%	67.9	68.4	0.4	0.7%
20.0%	67.9	67.8	-0.1	-0.1%
21.3%	67.6	67.7	0.0	0.0%
22.5%	67.5	67.2	-0.2	-0.3%
23.8%	67.2	67.2	0.0	0.0%
25.0%	67.2	66.9	-0.3	-0.4%
26.3%	67.1	66.8	-0.3	-0.5%
27.5%	66.8	66.7	-0.1	-0.1%
28.8%	66.8	66.7	-0.1	-0.1%
30.0%	66.6	66.5	-0.1	-0.1%
31.3%	66.6	66.4	-0.2	-0.3%
32.5%	66.6	66.4	-0.2	-0.2%
33.8%	66.3	66.3	0.1	0.1%
35.0%	66.3	66.3	0.1	0.1%
36.3%	66.3	66.3	0.0	0.1%
37.5%	66.2	66.3	0.1	0.1%
38.8%	66.2	66.2	0.0	0.0%
40.0%	66.1	66.2	0.1	0.2%
41.3%	66.0	66.2	0.2	0.3%
42.5%	66.0	66.1	0.2	0.3%
43.8%	65.9	66.1	0.2	0.3%
45.0%	65.9	66.1	0.2	0.3%
46.3%	65.9	66.1	0.2	0.3%
47.5%	65.9	66.1	0.2	0.3%
48.8%	65.8	66.0	0.2	0.3%
50.0%	65.8	65.9	0.1	0.2%
51.3%	65.7	65.9	0.2	0.3%
52.5%	65.7	65.9	0.2	0.2%
53.8%	65.7	65.9	0.2	0.3%
55.0%	65.7	65.8	0.2	0.3%
56.3%	65.6	65.8	0.2	0.3%
57.5%	65.6	65.8	0.1	0.2%
58.8%	65.5	65.7	0.2	0.4%
60.0%	65.5	65.7	0.2	0.3%
61.3%	65.5	65.7	0.2	0.3%
62.5%	65.5	65.6	0.1	0.2%
63.8%	65.4	65.6	0.1	0.2%
65.0%	65.4	65.5	0.1	0.2%
66.3%	65.3	65.5	0.2	0.3%
67.5%	65.2	65.4	0.2	0.4%
68.8%	65.1	65.4	0.3	0.5%
70.0%	64.9	65.3	0.4	0.7%
71.3%	64.8	65.2	0.4	0.7%
72.5%	64.7	64.9	0.2	0.3%
73.8%	64.7	64.7	0.0	0.0%
75.0%	64.6	64.7	0.0	0.1%
76.3%	64.6	64.5	-0.1	-0.1%
77.5%	64.5	64.5	0.0	0.0%
78.8%	64.5	64.5	0.0	0.0%
80.0%	64.4	64.4	0.0	0.0%
81.3%	64.4	64.4	0.0	0.0%
82.5%	64.3	64.4	0.1	0.1%
83.8%	64.2	64.3	0.1	0.1%
85.0%	64.2	64.2	0.0	0.0%
86.3%	64.2	64.2	0.0	0.0%
87.5%	64.2	64.2	0.0	0.0%
88.8%	64.2	64.2	0.0	0.0%
90.0%	64.2	64.1	0.0	-0.1%
91.3%	64.1	64.1	0.0	0.0%
92.5%	64.0	64.0	0.0	0.0%
93.8%	63.8	64.0	0.1	0.2%
95.0%	63.8	64.0	0.2	0.2%
96.3%	63.8	63.9	0.1	0.1%
97.5%	63.8	63.9	0.1	0.2%
98.8%	63.8	63.8	0.1	0.1%
100.0%	63.5	63.7	0.3	0.4%

Table SQ-**39**-3a
American River below Nimbus Dam, Monthly Temperature
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Temperature (DEG-F)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
No Action Alternative	61.0	56.9	51.2	47.4	48.1	50.7	53.6	55.7	58.3	61.3	62.3	62.3
Alternative C	60.7	56.9	51.3	47.5	48.2	50.7	53.7	55.7	58.4	61.1	62.0	62.2
Difference	-0.3	0.0	0.1	0.1	0.0	0.1	0.1	0.0	0.0	-0.1	-0.2	-0.1
Percent Difference[3]	-0.5%	0.0%	0.2%	0.2%	0.1%	0.1%	0.2%	0.1%	0.1%	-0.2%	-0.4%	-0.2%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	59.6	56.5	51.8	47.4	48.1	50.0	52.5	53.6	56.1	59.2	60.7	61.0
Alternative C	59.3	56.4	51.9	47.4	48.2	50.0	52.5	53.6	56.1	59.2	60.8	61.1
Difference	-0.4	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Percent Difference	-0.7%	-0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.1%
Above Normal (15%)												
No Action Alternative	60.0	56.4	50.8	47.6	47.8	50.1	52.8	54.4	57.1	60.3	61.1	60.9
Alternative C	59.7	56.5	50.9	47.7	47.8	50.2	53.1	54.5	57.2	60.2	61.0	61.0
Difference	-0.3	0.1	0.1	0.1	0.0	0.1	0.2	0.1	0.1	-0.1	-0.2	0.0
Percent Difference	-0.5%	0.1%	0.2%	0.1%	0.1%	0.3%	0.4%	0.2%	0.2%	-0.2%	-0.3%	0.0%
Below Normal (17%)												
No Action Alternative	60.5	57.0	51.5	47.3	47.5	50.6	53.5	55.2	57.8	60.9	61.2	60.9
Alternative C	60.3	57.0	51.5	47.3	47.5	50.7	53.5	55.2	57.9	60.6	60.9	61.0
Difference	-0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	-0.3	-0.4	0.1
Percent Difference	-0.2%	0.0%	0.2%	0.0%	0.0%	0.2%	0.0%	0.0%	0.1%	-0.4%	-0.6%	0.1%
Dry (22%)												
No Action Alternative	62.1	57.3	51.3	47.5	48.5	51.0	54.2	56.9	59.4	61.8	62.7	62.7
Alternative C	61.6	57.3	51.4	47.7	48.5	51.1	54.4	57.3	59.9	61.4	62.5	62.6
Difference	-0.5	0.0	0.1	0.1	0.0	0.2	0.2	0.4	0.5	-0.4	-0.1	-0.1
Percent Difference	-0.8%	-0.1%	0.2%	0.2%	0.0%	0.2%	0.4%	0.7%	0.8%	-0.6%	-0.2%	-0.2%
Critical (15%)												
No Action Alternative	64.0	57.8	50.1	47.3	48.8	52.3	55.8	60.0	63.4	66.3	67.5	67.3
Alternative C	63.9	57.9	50.3	47.5	48.9	52.4	56.1	59.6	62.8	66.3	66.4	66.4
Difference	-0.1	0.1	0.2	0.2	0.1	0.1	0.2	-0.5	-0.6	0.1	-1.1	-0.8
Percent Difference	-0.1%	0.2%	0.4%	0.4%	0.3%	0.1%	0.4%	-0.8%	-1.0%	0.1%	-1.6%	-1.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)
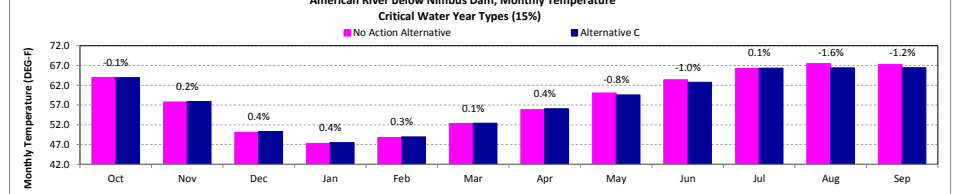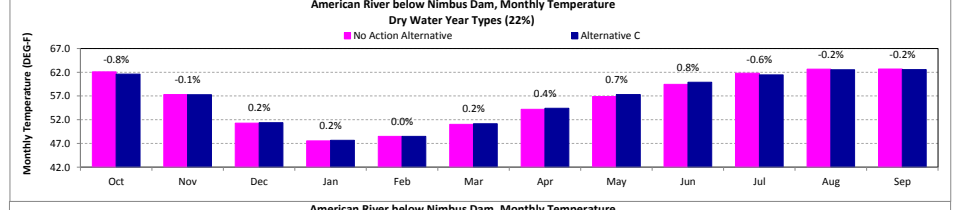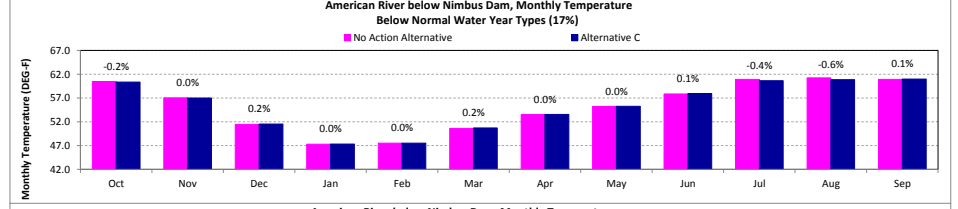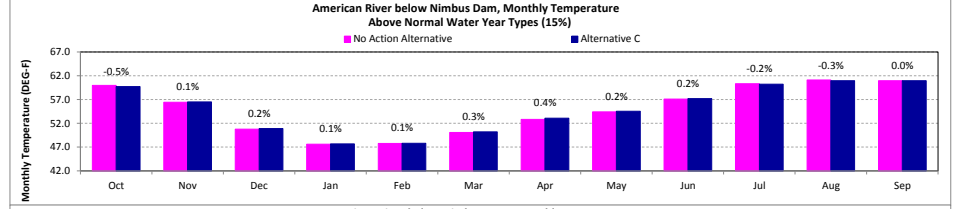
3 Relative difference of the monthly average

American River below Nimbus Dam, Monthly Temperature — Full Simulation Period

American River below Nimbus Dam, Monthly Temperature — Wet Water Year Types (32%)

American River below Nimbus Dam, Monthly Temperature — Above Normal Water Year Types (15%)

American River below Nimbus Dam, Monthly Temperature — Below Normal Water Year Types (17%)

American River below Nimbus Dam, Monthly Temperature — Dry Water Year Types (22%)

American River below Nimbus Dam, Monthly Temperature — Critical Water Year Types (15%)
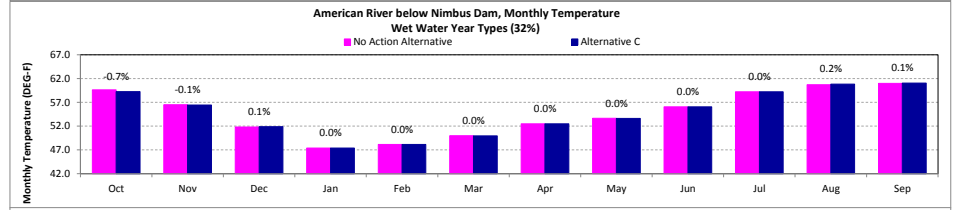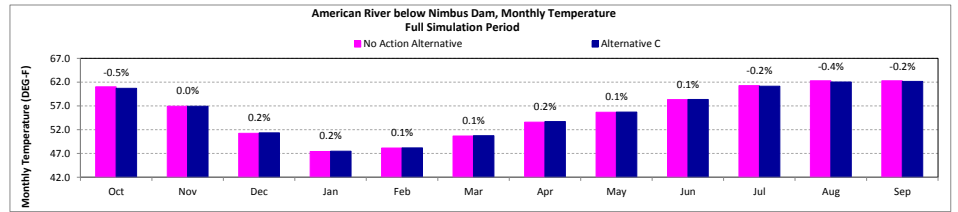
Figure SQ-39-3b
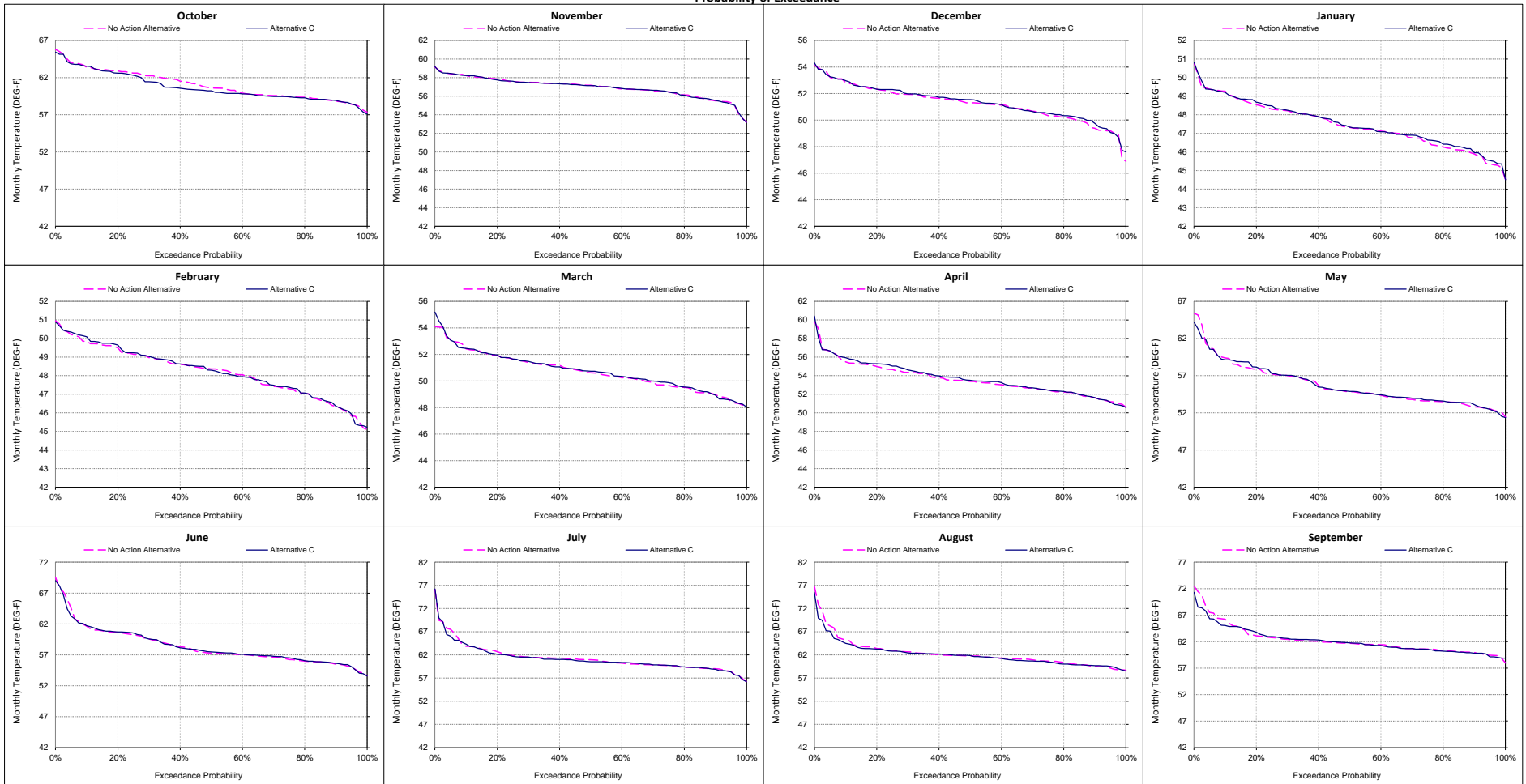**American River below Nimbus Dam, Monthly Temperature**
Probability of Exceedance

Table SQ-**39**-3b
American River below Nimbus Dam, Monthly Temperature
Probability of Exceedance

October

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative C Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	65.8	65.4	-0.3	-0.5%
1.3%	65.5	65.2	-0.4	-0.5%
2.5%	65.2	65.1	0.0	0.0%
3.8%	64.5	64.1	-0.4	-0.6%
5.0%	64.0	63.8	-0.1	-0.2%
6.3%	64.0	63.8	-0.2	-0.3%
7.5%	63.9	63.8	-0.1	-0.2%
8.8%	63.7	63.6	-0.1	-0.2%
10.0%	63.4	63.5	0.2	0.3%
11.3%	63.3	63.5	0.2	0.2%
12.5%	63.2	63.2	0.0	0.0%
13.8%	63.1	63.0	0.0	-0.1%
15.0%	63.1	62.9	-0.2	-0.2%
16.3%	63.1	62.9	-0.2	-0.3%
17.5%	63.0	62.8	-0.1	-0.2%
18.8%	62.9	62.6	-0.3	-0.4%
20.0%	62.9	62.6	-0.3	-0.5%
21.3%	62.8	62.6	-0.2	-0.3%
22.5%	62.8	62.5	-0.3	-0.4%
23.8%	62.7	62.4	-0.2	-0.4%
25.0%	62.6	62.3	-0.3	-0.4%
26.3%	62.6	62.2	-0.4	-0.7%
27.5%	62.4	62.0	-0.4	-0.7%
28.8%	62.3	61.5	-0.8	-1.3%
30.0%	62.3	61.4	-0.8	-1.3%
31.3%	62.3	61.4	-0.9	-1.4%
32.5%	62.1	61.4	-0.7	-1.1%
33.8%	62.0	61.2	-0.8	-1.3%
35.0%	61.9	60.7	-1.2	-2.0%
36.3%	61.8	60.7	-1.1	-1.8%
37.5%	61.8	60.7	-1.2	-1.9%
38.8%	61.8	60.6	-1.1	-1.8%
40.0%	61.5	60.6	-0.9	-1.5%
41.3%	61.5	60.5	-1.0	-1.5%
42.5%	61.4	60.4	-1.0	-1.5%
43.8%	61.2	60.4	-0.8	-1.3%
45.0%	61.2	60.4	-0.8	-1.3%
46.3%	61.0	60.3	-0.6	-1.0%
47.5%	60.8	60.3	-0.5	-0.8%
48.8%	60.7	60.2	-0.5	-0.8%
50.0%	60.6	60.2	-0.4	-0.7%
51.3%	60.6	60.0	-0.6	-1.0%
52.5%	60.6	60.0	-0.6	-1.0%
53.8%	60.6	59.9	-0.6	-1.0%
55.0%	60.4	59.9	-0.5	-0.9%
56.3%	60.3	59.9	-0.4	-0.7%
57.5%	60.3	59.9	-0.4	-0.7%
58.8%	60.0	59.9	-0.1	-0.2%
60.0%	59.9	59.8	-0.1	-0.2%
61.3%	59.8	59.8	0.0	0.0%
62.5%	59.8	59.8	0.0	0.1%
63.8%	59.7	59.7	0.0	-0.1%
65.0%	59.7	59.6	-0.1	-0.2%
66.3%	59.7	59.5	-0.2	-0.3%
67.5%	59.6	59.5	-0.1	-0.1%
68.8%	59.6	59.5	-0.1	-0.2%
70.0%	59.6	59.5	-0.1	-0.2%
71.3%	59.6	59.5	-0.1	-0.2%
72.5%	59.6	59.5	-0.1	-0.2%
73.8%	59.5	59.5	0.0	0.0%
75.0%	59.4	59.4	0.0	0.0%
76.3%	59.4	59.3	0.0	-0.1%
77.5%	59.4	59.3	0.0	-0.1%
78.8%	59.4	59.3	-0.1	-0.1%
80.0%	59.4	59.3	-0.1	-0.1%
81.3%	59.4	59.2	-0.2	-0.3%
82.5%	59.2	59.1	-0.1	-0.2%
83.8%	59.2	59.1	-0.1	-0.2%
85.0%	59.1	59.1	0.0	0.0%
86.3%	59.0	59.1	0.0	0.1%
87.5%	59.0	59.0	0.0	0.0%
88.8%	58.9	59.0	0.0	0.1%
90.0%	58.8	58.9	0.1	0.2%
91.3%	58.8	58.8	0.0	0.0%
92.5%	58.7	58.7	0.0	0.0%
93.8%	58.5	58.7	0.1	0.2%
95.0%	58.4	58.5	0.0	0.1%
96.3%	58.3	58.3	0.0	-0.1%
97.5%	58.1	57.8	-0.3	-0.5%
98.8%	57.6	57.3	-0.3	-0.5%
100.0%	57.3	57.1	-0.3	-0.5%

November

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative C Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	59.1	59.2	0.0	0.1%
1.3%	58.8	58.7	-0.1	-0.1%
2.5%	58.6	58.5	-0.1	-0.1%
3.8%	58.5	58.5	0.0	0.0%
5.0%	58.4	58.5	0.0	0.1%
6.3%	58.4	58.4	0.0	0.1%
7.5%	58.4	58.3	0.0	-0.1%
8.8%	58.3	58.3	-0.1	-0.1%
10.0%	58.2	58.2	0.0	0.0%
11.3%	58.1	58.2	0.1	0.2%
12.5%	58.1	58.2	0.1	0.2%
13.8%	58.0	58.1	0.1	0.1%
15.0%	58.0	58.1	0.0	0.1%
16.3%	58.0	58.0	-0.1	-0.1%
17.5%	57.9	57.9	0.0	-0.1%
18.8%	57.9	57.8	-0.1	-0.1%
20.0%	57.8	57.7	-0.1	-0.2%
21.3%	57.8	57.7	-0.2	-0.3%
22.5%	57.7	57.7	-0.1	-0.1%
23.8%	57.6	57.6	0.0	0.1%
25.0%	57.6	57.6	0.0	0.1%
26.3%	57.5	57.5	0.0	0.0%
27.5%	57.5	57.5	0.0	0.0%
28.8%	57.5	57.5	0.0	0.0%
30.0%	57.5	57.5	0.0	-0.1%
31.3%	57.5	57.5	0.0	-0.1%
32.5%	57.5	57.4	-0.1	-0.1%
33.8%	57.5	57.4	-0.1	-0.1%
35.0%	57.4	57.4	0.0	0.0%
36.3%	57.4	57.4	0.0	0.0%
37.5%	57.4	57.4	0.0	-0.1%
38.8%	57.4	57.3	0.0	-0.1%
40.0%	57.4	57.3	0.0	-0.1%
41.3%	57.4	57.3	0.0	-0.1%
42.5%	57.3	57.3	0.0	-0.1%
43.8%	57.3	57.3	-0.1	-0.1%
45.0%	57.3	57.2	0.0	-0.1%
46.3%	57.2	57.2	0.0	0.0%
47.5%	57.2	57.2	0.0	-0.1%
48.8%	57.2	57.2	0.0	-0.1%
50.0%	57.2	57.1	0.0	-0.1%
51.3%	57.1	57.1	0.0	0.0%
52.5%	57.1	57.0	-0.1	-0.1%
53.8%	57.0	57.0	0.0	0.0%
55.0%	57.0	57.0	0.0	0.0%
56.3%	57.0	57.0	0.0	0.0%
57.5%	57.0	56.9	-0.1	-0.1%
58.8%	56.8	56.9	0.1	0.1%
60.0%	56.8	56.8	0.0	0.1%
61.3%	56.8	56.8	0.0	0.0%
62.5%	56.8	56.8	0.0	0.0%
63.8%	56.7	56.8	0.0	0.1%
65.0%	56.7	56.7	0.0	0.0%
66.3%	56.7	56.7	0.0	0.0%
67.5%	56.7	56.7	0.0	0.0%
68.8%	56.7	56.7	0.0	0.0%
70.0%	56.5	56.6	0.1	0.2%
71.3%	56.5	56.6	0.1	0.2%
72.5%	56.5	56.6	0.1	0.1%
73.8%	56.5	56.5	0.0	0.1%
75.0%	56.5	56.4	0.0	0.0%
76.3%	56.4	56.4	0.0	-0.1%
77.5%	56.3	56.4	0.1	0.2%
78.8%	56.2	56.1	0.0	-0.1%
80.0%	56.1	56.1	0.0	-0.1%
81.3%	56.1	56.0	-0.1	-0.2%
82.5%	56.0	55.9	-0.1	-0.2%
83.8%	56.0	55.9	-0.1	-0.2%
85.0%	55.8	55.8	0.0	-0.1%
86.3%	55.7	55.8	0.0	0.1%
87.5%	55.6	55.7	0.1	0.3%
88.8%	55.6	55.6	0.1	0.1%
90.0%	55.5	55.5	0.0	0.1%
91.3%	55.5	55.5	0.0	-0.1%
92.5%	55.4	55.3	-0.1	-0.1%
93.8%	55.4	55.3	-0.1	-0.2%
95.0%	55.3	55.1	-0.2	-0.3%
96.3%	55.0	55.0	0.1	0.1%
97.5%	54.1	54.2	0.1	0.3%
98.8%	53.6	53.6	0.0	0.0%
100.0%	53.2	53.2	0.0	0.0%

December

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative C Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	54.1	54.3	0.2	0.3%
1.3%	53.9	53.8	-0.1	-0.2%
2.5%	53.8	53.8	0.0	0.1%
3.8%	53.7	53.4	-0.2	-0.4%
5.0%	53.2	53.3	0.1	0.1%
6.3%	53.1	53.2	0.1	0.1%
7.5%	53.1	53.1	0.0	0.0%
8.8%	53.1	53.1	0.0	-0.1%
10.0%	52.8	53.0	0.1	0.2%
11.3%	52.8	52.9	0.1	0.2%
12.5%	52.7	52.6	-0.1	-0.2%
13.8%	52.6	52.6	0.0	-0.1%
15.0%	52.5	52.5	0.0	-0.1%
16.3%	52.5	52.5	0.0	0.0%
17.5%	52.4	52.5	0.1	0.2%
18.8%	52.4	52.4	0.0	0.1%
20.0%	52.3	52.3	0.0	0.0%
21.3%	52.3	52.3	0.0	0.1%
22.5%	52.2	52.3	0.1	0.1%
23.8%	52.2	52.3	0.1	0.2%
25.0%	52.1	52.3	0.2	0.4%
26.3%	52.0	52.3	0.3	0.6%
27.5%	52.0	52.3	0.3	0.6%
28.8%	52.0	52.0	0.1	0.2%
30.0%	51.9	52.0	0.0	0.1%
31.3%	51.9	52.0	0.0	0.1%
32.5%	51.9	52.0	0.1	0.1%
33.8%	51.9	51.9	0.0	0.0%
35.0%	51.7	51.9	0.1	0.2%
36.3%	51.7	51.8	0.1	0.2%
37.5%	51.7	51.8	0.1	0.2%
38.8%	51.7	51.8	0.1	0.3%
40.0%	51.6	51.7	0.1	0.2%
41.3%	51.6	51.7	0.1	0.2%
42.5%	51.6	51.7	0.1	0.2%
43.8%	51.5	51.6	0.1	0.1%
45.0%	51.5	51.6	0.1	0.2%
46.3%	51.5	51.6	0.1	0.2%
47.5%	51.4	51.6	0.2	0.3%
48.8%	51.3	51.5	0.2	0.5%
50.0%	51.3	51.5	0.2	0.5%
51.3%	51.3	51.5	0.2	0.4%
52.5%	51.3	51.4	0.2	0.3%
53.8%	51.2	51.3	0.1	0.2%
55.0%	51.2	51.3	0.1	0.1%
56.3%	51.2	51.3	0.1	0.1%
57.5%	51.2	51.3	0.1	0.1%
58.8%	51.1	51.2	0.1	0.1%
60.0%	51.1	51.2	0.0	0.1%
61.3%	51.1	51.0	-0.1	-0.2%
62.5%	51.0	50.9	-0.1	-0.1%
63.8%	50.9	50.9	0.0	0.0%
65.0%	50.9	50.9	0.0	0.0%
66.3%	50.9	50.8	-0.1	-0.1%
67.5%	50.8	50.7	-0.1	-0.2%
68.8%	50.7	50.7	0.0	-0.1%
70.0%	50.7	50.6	0.0	-0.1%
71.3%	50.6	50.6	-0.1	-0.1%
72.5%	50.6	50.6	0.0	0.0%
73.8%	50.5	50.6	0.1	0.2%
75.0%	50.3	50.5	0.2	0.3%
76.3%	50.3	50.5	0.1	0.3%
77.5%	50.3	50.4	0.1	0.2%
78.8%	50.3	50.4	0.2	0.3%
80.0%	50.2	50.3	0.1	0.2%
81.3%	50.2	50.3	0.2	0.3%
82.5%	50.1	50.3	0.2	0.3%
83.8%	50.0	50.3	0.2	0.4%
85.0%	49.9	50.2	0.2	0.4%
86.3%	49.9	50.1	0.2	0.4%
87.5%	49.8	50.0	0.2	0.4%
88.8%	49.4	50.0	0.5	1.0%
90.0%	49.4	49.8	0.4	0.7%
91.3%	49.2	49.5	0.3	0.5%
92.5%	49.2	49.4	0.2	0.3%
93.8%	49.2	49.4	0.2	0.3%
95.0%	49.2	49.1	-0.1	-0.2%
96.3%	49.0	49.0	0.0	0.0%
97.5%	49.0	48.7	-0.3	-0.5%
98.8%	47.1	47.7	0.6	1.4%
100.0%	46.9	47.6	0.7	1.5%

January

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative C Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	50.8	50.8	0.1	0.1%
1.3%	50.2	50.3	0.1	0.1%
2.5%	49.5	49.8	0.3	0.7%
3.8%	49.5	49.4	-0.1	-0.1%
5.0%	49.4	49.4	0.0	0.0%
6.3%	49.3	49.3	0.0	0.0%
7.5%	49.3	49.3	0.0	-0.1%
8.8%	49.3	49.3	0.0	-0.1%
10.0%	49.3	49.2	-0.1	-0.1%
11.3%	49.1	49.0	0.0	0.0%
12.5%	49.0	49.0	0.0	-0.1%
13.8%	48.9	48.9	0.0	0.1%
15.0%	48.8	48.8	0.0	0.0%
16.3%	48.7	48.8	0.1	0.2%
17.5%	48.7	48.8	0.2	0.3%
18.8%	48.6	48.8	0.2	0.5%
20.0%	48.5	48.7	0.1	0.3%
21.3%	48.5	48.6	0.1	0.3%
22.5%	48.4	48.5	0.1	0.3%
23.8%	48.4	48.5	0.1	0.2%
25.0%	48.3	48.5	0.2	0.4%
26.3%	48.3	48.3	0.1	0.1%
27.5%	48.3	48.3	0.1	0.1%
28.8%	48.2	48.3	0.0	0.1%
30.0%	48.2	48.2	0.0	0.0%
31.3%	48.2	48.2	0.0	0.1%
32.5%	48.1	48.2	0.1	0.1%
33.8%	48.1	48.1	0.0	0.0%
35.0%	48.1	48.0	0.0	0.0%
36.3%	48.0	48.0	0.0	0.0%
37.5%	48.0	48.0	0.0	0.0%
38.8%	47.9	48.0	0.0	0.0%
40.0%	47.9	47.9	0.0	0.0%
41.3%	47.8	47.8	0.0	0.0%
42.5%	47.8	47.8	0.0	0.1%
43.8%	47.6	47.8	0.2	0.4%
45.0%	47.5	47.6	0.1	0.1%
46.3%	47.4	47.6	0.2	0.3%
47.5%	47.4	47.5	0.1	0.1%
48.8%	47.3	47.4	0.1	0.2%
50.0%	47.3	47.3	0.0	0.0%
51.3%	47.3	47.3	0.0	0.0%
52.5%	47.3	47.3	0.0	0.0%
53.8%	47.2	47.3	0.0	0.1%
55.0%	47.2	47.3	0.0	0.1%
56.3%	47.2	47.3	0.0	0.1%
57.5%	47.2	47.2	0.0	0.1%
58.8%	47.2	47.1	-0.1	-0.2%
60.0%	47.1	47.1	0.0	-0.1%
61.3%	47.1	47.1	0.0	0.0%
62.5%	47.0	47.0	0.0	0.0%
63.8%	47.0	47.0	0.0	0.0%
65.0%	47.0	46.9	-0.1	-0.1%
66.3%	47.0	46.9	-0.1	-0.1%
67.5%	47.0	46.9	-0.1	-0.1%
68.8%	46.8	46.9	0.1	0.3%
70.0%	46.8	46.9	0.1	0.3%
71.3%	46.8	46.9	0.1	0.3%
72.5%	46.7	46.8	0.1	0.1%
73.8%	46.6	46.8	0.2	0.4%
75.0%	46.6	46.6	0.1	0.1%
76.3%	46.4	46.6	0.3	0.5%
77.5%	46.3	46.6	0.3	0.5%
78.8%	46.3	46.5	0.2	0.5%
80.0%	46.3	46.4	0.1	0.3%
81.3%	46.2	46.4	0.2	0.4%
82.5%	46.2	46.4	0.2	0.4%
83.8%	46.1	46.3	0.2	0.4%
85.0%	46.1	46.3	0.2	0.4%
86.3%	46.1	46.3	0.2	0.3%
87.5%	46.0	46.2	0.1	0.3%
88.8%	46.0	46.2	0.2	0.5%
90.0%	45.9	46.0	0.1	0.1%
91.3%	45.8	46.0	0.2	0.4%
92.5%	45.8	45.8	0.0	0.0%
93.8%	45.4	45.6	0.2	0.4%
95.0%	45.4	45.5	0.2	0.4%
96.3%	45.3	45.5	0.2	0.4%
97.5%	45.3	45.4	0.1	0.2%
98.8%	45.2	45.3	0.2	0.4%
100.0%	44.5	44.5	0.0	0.0%

Table SQ-39-3b
American River below Nimbus Dam, Monthly Temperature
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative C Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	51.0	50.9	-0.1	-0.1%
1.3%	50.8	50.7	-0.1	-0.2%
2.5%	50.4	50.4	0.0	0.0%
3.8%	50.4	50.4	0.0	0.0%
5.0%	50.2	50.3	0.1	0.3%
6.3%	50.2	50.3	0.1	0.2%
7.5%	50.1	50.2	0.1	0.2%
8.8%	49.9	50.2	0.3	0.6%
10.0%	49.8	50.1	0.3	0.5%
11.3%	49.7	49.8	0.1	0.2%
12.5%	49.7	49.8	0.1	0.2%
13.8%	49.7	49.8	0.1	0.2%
15.0%	49.7	49.8	0.1	0.2%
16.3%	49.6	49.8	0.1	0.3%
17.5%	49.6	49.7	0.1	0.2%
18.8%	49.6	49.7	0.1	0.3%
20.0%	49.5	49.7	0.2	0.3%
21.3%	49.2	49.4	0.2	0.3%
22.5%	49.2	49.3	0.0	0.1%
23.8%	49.2	49.2	0.0	0.1%
25.0%	49.2	49.2	0.1	0.2%
26.3%	49.1	49.2	0.1	0.1%
27.5%	49.1	49.1	0.0	0.0%
28.8%	49.1	49.1	0.0	0.0%
30.0%	49.0	49.0	0.1	0.1%
31.3%	49.0	49.0	0.0	0.1%
32.5%	48.9	48.9	0.0	0.0%
33.8%	48.9	48.9	0.0	0.0%
35.0%	48.8	48.9	0.0	0.1%
36.3%	48.7	48.8	0.1	0.2%
37.5%	48.6	48.8	0.1	0.3%
38.8%	48.6	48.7	0.0	0.0%
40.0%	48.6	48.6	0.0	0.0%
41.3%	48.6	48.6	0.0	0.1%
42.5%	48.5	48.5	0.0	0.0%
43.8%	48.5	48.5	0.0	0.1%
45.0%	48.5	48.5	0.0	0.1%
46.3%	48.4	48.5	0.1	0.1%
47.5%	48.4	48.5	0.1	0.2%
48.8%	48.4	48.3	-0.1	-0.2%
50.0%	48.4	48.3	-0.1	-0.1%
51.3%	48.4	48.3	-0.1	-0.2%
52.5%	48.3	48.2	-0.1	-0.3%
53.8%	48.3	48.1	-0.2	-0.4%
55.0%	48.3	48.1	-0.2	-0.3%
56.3%	48.2	48.0	-0.1	-0.2%
57.5%	48.1	48.0	-0.1	-0.2%
58.8%	48.0	48.0	-0.1	-0.2%
60.0%	48.0	47.9	-0.1	-0.2%
61.3%	48.0	47.9	-0.1	-0.1%
62.5%	48.0	47.9	0.0	-0.1%
63.8%	47.9	47.8	-0.1	-0.1%
65.0%	47.7	47.8	0.1	0.2%
66.3%	47.5	47.7	0.2	0.4%
67.5%	47.5	47.7	0.2	0.4%
68.8%	47.5	47.5	0.0	0.0%
70.0%	47.4	47.5	0.1	0.1%
71.3%	47.4	47.4	0.0	0.0%
72.5%	47.3	47.4	0.1	0.1%
73.8%	47.3	47.4	0.1	0.2%
75.0%	47.3	47.4	0.1	0.1%
76.3%	47.3	47.3	0.1	0.1%
77.5%	47.1	47.3	0.2	0.4%
78.8%	47.1	47.1	0.0	0.0%
80.0%	47.0	47.1	0.0	0.1%
81.3%	47.0	47.0	0.0	0.0%
82.5%	46.8	46.8	0.0	0.0%
83.8%	46.8	46.8	0.0	0.1%
85.0%	46.7	46.8	0.1	0.2%
86.3%	46.7	46.7	0.0	0.0%
87.5%	46.5	46.6	0.0	0.1%
88.8%	46.4	46.5	0.1	0.3%
90.0%	46.3	46.3	0.0	0.0%
91.3%	46.3	46.3	0.0	0.0%
92.5%	46.1	46.2	0.0	0.1%
93.8%	46.0	46.1	0.1	0.2%
95.0%	45.8	45.9	0.1	0.2%
96.3%	45.8	45.4	-0.4	-0.9%
97.5%	45.5	45.3	-0.2	-0.4%
98.8%	45.2	45.3	0.1	0.3%
100.0%	45.1	45.2	0.1	0.3%

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative C Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	54.1	55.2	1.1	2.0%
1.3%	54.1	54.5	0.5	0.9%
2.5%	54.0	54.1	0.1	0.1%
3.8%	53.3	53.4	0.1	0.2%
5.0%	53.2	53.1	-0.1	-0.2%
6.3%	53.0	53.0	0.0	0.0%
7.5%	52.9	52.5	-0.4	-0.7%
8.8%	52.8	52.5	-0.3	-0.5%
10.0%	52.4	52.5	0.0	0.1%
11.3%	52.3	52.4	0.1	0.1%
12.5%	52.3	52.4	0.1	0.1%
13.8%	52.3	52.3	0.0	0.0%
15.0%	52.2	52.1	-0.1	-0.1%
16.3%	52.1	52.1	0.0	0.0%
17.5%	52.0	52.0	0.1	0.2%
18.8%	51.9	52.0	0.1	0.1%
20.0%	51.9	52.0	0.0	0.1%
21.3%	51.8	51.8	0.0	-0.1%
22.5%	51.8	51.8	0.0	0.0%
23.8%	51.7	51.7	0.0	0.0%
25.0%	51.6	51.7	0.0	0.0%
26.3%	51.6	51.6	0.0	0.0%
27.5%	51.5	51.5	0.0	0.0%
28.8%	51.5	51.5	0.0	0.1%
30.0%	51.4	51.5	0.1	0.2%
31.3%	51.3	51.4	0.1	0.2%
32.5%	51.3	51.3	0.0	0.0%
33.8%	51.3	51.3	0.1	0.1%
35.0%	51.2	51.3	0.1	0.2%
36.3%	51.2	51.2	0.0	0.0%
37.5%	51.2	51.1	-0.1	-0.2%
38.8%	51.2	51.1	-0.1	-0.3%
40.0%	51.2	51.1	-0.1	-0.3%
41.3%	51.0	51.0	-0.1	-0.2%
42.5%	51.0	50.9	0.0	0.0%
43.8%	50.9	50.9	0.0	0.1%
45.0%	50.9	50.9	0.0	0.1%
46.3%	50.8	50.8	0.1	0.1%
47.5%	50.7	50.8	0.0	0.1%
48.8%	50.6	50.8	0.1	0.2%
50.0%	50.6	50.7	0.1	0.2%
51.3%	50.6	50.7	0.1	0.3%
52.5%	50.6	50.7	0.1	0.2%
53.8%	50.5	50.7	0.2	0.4%
55.0%	50.4	50.6	0.2	0.4%
56.3%	50.4	50.6	0.2	0.4%
57.5%	50.3	50.4	0.1	0.1%
58.8%	50.3	50.4	0.0	0.1%
60.0%	50.3	50.3	0.1	0.2%
61.3%	50.2	50.3	0.1	0.1%
62.5%	50.2	50.3	0.0	0.1%
63.8%	50.2	50.2	0.0	0.0%
65.0%	50.1	50.2	0.1	0.1%
66.3%	50.1	50.1	0.1	0.1%
67.5%	50.0	50.1	0.2	0.3%
68.8%	49.9	50.0	0.1	0.1%
70.0%	49.9	50.0	0.1	0.2%
71.3%	49.7	50.0	0.3	0.6%
72.5%	49.7	49.9	0.2	0.4%
73.8%	49.7	49.9	0.2	0.4%
75.0%	49.7	49.9	0.2	0.4%
76.3%	49.6	49.8	0.2	0.4%
77.5%	49.5	49.7	0.1	0.2%
78.8%	49.5	49.6	0.1	0.1%
80.0%	49.5	49.5	0.0	0.1%
81.3%	49.5	49.5	0.0	0.1%
82.5%	49.4	49.5	0.1	0.2%
83.8%	49.2	49.3	0.2	0.4%
85.0%	49.1	49.3	0.1	0.3%
86.3%	49.1	49.2	0.1	0.2%
87.5%	49.1	49.2	0.1	0.2%
88.8%	49.1	49.0	0.0	0.0%
90.0%	49.0	48.9	0.0	-0.1%
91.3%	48.8	48.7	-0.2	-0.4%
92.5%	48.8	48.7	-0.1	-0.3%
93.8%	48.7	48.6	-0.1	-0.2%
95.0%	48.5	48.6	0.1	0.2%
96.3%	48.3	48.5	0.1	0.2%
97.5%	48.3	48.3	0.0	0.0%
98.8%	48.2	48.3	0.1	0.1%
100.0%	48.0	48.0	0.0	0.0%

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative C Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	59.8	60.4	0.6	1.0%
1.3%	59.1	58.1	-0.9	-1.6%
2.5%	56.9	56.8	-0.1	-0.2%
3.8%	56.8	56.8	0.0	0.0%
5.0%	56.7	56.7	0.0	0.0%
6.3%	56.4	56.4	-0.1	-0.1%
7.5%	56.1	56.1	0.0	0.0%
8.8%	55.7	56.0	0.3	0.6%
10.0%	55.5	55.9	0.5	0.8%
11.3%	55.3	55.8	0.5	0.8%
12.5%	55.3	55.7	0.4	0.7%
13.8%	55.3	55.6	0.3	0.5%
15.0%	55.3	55.4	0.1	0.2%
16.3%	55.2	55.4	0.1	0.3%
17.5%	55.2	55.3	0.2	0.3%
18.8%	55.1	55.3	0.2	0.4%
20.0%	55.0	55.3	0.3	0.5%
21.3%	54.9	55.3	0.4	0.7%
22.5%	54.8	55.2	0.5	0.9%
23.8%	54.7	55.2	0.5	0.9%
25.0%	54.7	55.0	0.4	0.7%
26.3%	54.5	55.0	0.5	0.9%
27.5%	54.5	54.9	0.4	0.7%
28.8%	54.4	54.8	0.4	0.8%
30.0%	54.3	54.6	0.3	0.5%
31.3%	54.3	54.5	0.2	0.3%
32.5%	54.3	54.4	0.1	0.2%
33.8%	54.2	54.3	0.1	0.2%
35.0%	54.2	54.3	0.1	0.2%
36.3%	54.2	54.2	0.0	-0.1%
37.5%	53.9	54.1	0.3	0.5%
38.8%	53.8	54.0	0.2	0.3%
40.0%	53.8	54.0	0.2	0.4%
41.3%	53.7	53.9	0.1	0.2%
42.5%	53.5	53.9	0.3	0.6%
43.8%	53.5	53.8	0.3	0.6%
45.0%	53.5	53.8	0.3	0.6%
46.3%	53.5	53.8	0.3	0.6%
47.5%	53.5	53.6	0.2	0.3%
48.8%	53.4	53.5	0.1	0.1%
50.0%	53.4	53.5	0.1	0.2%
51.3%	53.4	53.5	0.1	0.1%
52.5%	53.3	53.4	0.2	0.3%
53.8%	53.3	53.4	0.2	0.3%
55.0%	53.2	53.4	0.2	0.3%
56.3%	53.2	53.4	0.2	0.3%
57.5%	53.1	53.4	0.3	0.5%
58.8%	53.1	53.3	0.3	0.5%
60.0%	53.0	53.2	0.2	0.4%
61.3%	53.0	53.1	0.1	0.2%
62.5%	52.9	53.0	0.0	0.1%
63.8%	52.8	52.9	0.1	0.2%
65.0%	52.8	52.9	0.1	0.2%
66.3%	52.8	52.8	0.0	0.1%
67.5%	52.7	52.8	0.1	0.2%
68.8%	52.7	52.7	0.0	0.0%
70.0%	52.7	52.7	0.0	0.0%
71.3%	52.6	52.7	0.1	0.2%
72.5%	52.5	52.5	0.0	0.1%
73.8%	52.5	52.5	0.0	0.0%
75.0%	52.5	52.4	0.0	0.0%
76.3%	52.3	52.4	0.1	0.1%
77.5%	52.3	52.4	0.1	0.2%
78.8%	52.3	52.3	0.1	0.1%
80.0%	52.2	52.3	0.1	0.1%
81.3%	52.2	52.2	0.0	0.1%
82.5%	52.2	52.2	0.0	0.0%
83.8%	52.1	52.1	0.1	0.1%
85.0%	52.0	51.9	-0.1	-0.1%
86.3%	51.8	51.9	0.1	0.2%
87.5%	51.8	51.8	0.1	0.1%
88.8%	51.7	51.8	0.1	0.2%
90.0%	51.6	51.6	0.0	0.0%
91.3%	51.5	51.5	0.0	0.0%
92.5%	51.4	51.4	0.0	0.0%
93.8%	51.3	51.4	0.1	0.1%
95.0%	51.2	51.1	-0.1	-0.1%
96.3%	51.2	50.9	-0.3	-0.5%
97.5%	51.0	50.8	-0.2	-0.3%
98.8%	50.9	50.8	-0.2	-0.3%
100.0%	50.6	50.6	0.0	-0.1%

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative C Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	65.4	64.2	-1.2	-1.9%
1.3%	65.2	63.3	-1.8	-2.8%
2.5%	63.9	62.1	-1.8	-2.8%
3.8%	61.3	61.9	0.6	0.9%
5.0%	60.8	60.6	-0.2	-0.4%
6.3%	60.6	60.5	-0.1	-0.1%
7.5%	59.7	59.8	0.0	0.1%
8.8%	59.5	59.2	-0.3	-0.5%
10.0%	59.4	59.1	-0.2	-0.4%
11.3%	59.3	59.1	-0.2	-0.3%
12.5%	58.6	59.1	0.5	0.9%
13.8%	58.5	58.9	0.4	0.7%
15.0%	58.3	58.9	0.6	1.1%
16.3%	58.1	58.8	0.7	1.2%
17.5%	58.1	58.8	0.8	1.3%
18.8%	57.9	58.2	0.3	0.5%
20.0%	57.8	58.2	0.3	0.6%
21.3%	57.8	58.0	0.1	0.2%
22.5%	57.4	58.0	0.6	1.0%
23.8%	57.3	57.9	0.6	1.0%
25.0%	57.2	57.3	0.1	0.1%
26.3%	57.1	57.3	0.1	0.2%
27.5%	57.1	57.1	0.0	0.0%
28.8%	57.1	57.1	0.0	0.0%
30.0%	57.0	57.0	0.0	0.1%
31.3%	56.9	57.0	0.1	0.2%
32.5%	56.8	57.0	0.2	0.3%
33.8%	56.8	56.8	0.0	0.1%
35.0%	56.6	56.6	0.0	0.1%
36.3%	56.4	56.5	0.1	0.2%
37.5%	56.3	56.2	-0.1	-0.2%
38.8%	56.2	55.8	-0.4	-0.8%
40.0%	55.7	55.5	-0.2	-0.4%
41.3%	55.3	55.4	0.1	0.1%
42.5%	55.2	55.3	0.1	0.3%
43.8%	55.1	55.2	0.1	0.2%
45.0%	55.1	55.1	0.0	0.1%
46.3%	55.0	55.0	0.0	-0.1%
47.5%	55.0	55.0	0.0	-0.1%
48.8%	54.9	55.0	0.1	0.1%
50.0%	54.8	54.9	0.0	0.0%
51.3%	54.8	54.9	0.0	0.1%
52.5%	54.7	54.8	0.1	0.2%
53.8%	54.7	54.7	0.0	0.0%
55.0%	54.7	54.6	-0.1	-0.1%
56.3%	54.6	54.6	0.0	0.0%
57.5%	54.5	54.6	0.0	0.0%
58.8%	54.4	54.5	0.0	0.0%
60.0%	54.4	54.4	0.1	0.1%
61.3%	54.2	54.3	0.1	0.2%
62.5%	54.1	54.2	0.1	0.2%
63.8%	54.1	54.2	0.1	0.2%
65.0%	54.0	54.1	0.1	0.2%
66.3%	54.0	54.1	0.1	0.2%
67.5%	54.0	54.1	0.1	0.1%
68.8%	53.8	54.0	0.2	0.4%
70.0%	53.8	54.0	0.2	0.3%
71.3%	53.7	54.0	0.3	0.4%
72.5%	53.7	53.9	0.3	0.5%
73.8%	53.6	53.8	0.1	0.3%
75.0%	53.6	53.7	0.1	0.3%
76.3%	53.6	53.7	0.2	0.3%
77.5%	53.5	53.6	0.1	0.2%
78.8%	53.5	53.6	0.1	0.2%
80.0%	53.5	53.6	0.1	0.2%
81.3%	53.5	53.5	0.0	0.0%
82.5%	53.4	53.4	0.0	0.0%
83.8%	53.4	53.4	0.0	0.0%
85.0%	53.3	53.4	0.2	0.3%
86.3%	53.2	53.4	0.2	0.3%
87.5%	53.0	53.4	0.3	0.6%
88.8%	52.9	53.3	0.5	0.9%
90.0%	52.8	53.1	0.3	0.6%
91.3%	52.8	52.8	0.1	0.2%
92.5%	52.7	52.7	0.0	0.0%
93.8%	52.6	52.6	0.1	0.1%
95.0%	52.5	52.5	-0.1	-0.2%
96.3%	52.3	52.3	-0.1	-0.2%
97.5%	52.2	52.1	-0.1	-0.2%
98.8%	52.1	51.5	-0.6	-1.1%
100.0%	51.4	51.4	-0.1	-0.1%

Table SQ-39-3b
American River below Nimbus Dam, Monthly Temperature
Probability of Exceedance

June					July					August					September				
Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative C Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative C Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative C Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)	Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative C Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	69.5	69.0	-0.5	-0.8%	0.0%	76.1	76.2	0.1	0.2%	0.0%	76.7	75.4	-1.3	-1.6%	0.0%	72.5	71.3	-1.2	-1.6%
1.3%	67.8	68.2	0.4	0.5%	1.3%	69.5	69.9	0.5	0.7%	1.3%	72.8	69.9	-2.9	-4.0%	1.3%	71.5	68.6	-2.9	-4.1%
2.5%	67.2	66.7	-0.5	-0.8%	2.5%	69.2	69.1	-0.1	-0.1%	2.5%	71.4	69.4	-2.0	-2.8%	2.5%	70.8	68.4	-2.5	-3.5%
3.8%	66.0	64.4	-1.6	-2.4%	3.8%	67.8	66.4	-1.3	-2.0%	3.8%	68.7	67.3	-1.4	-2.1%	3.8%	68.7	67.8	-0.9	-1.4%
5.0%	64.6	63.3	-1.3	-2.0%	5.0%	67.5	66.1	-1.5	-2.2%	5.0%	68.3	67.1	-1.1	-1.6%	5.0%	67.5	66.3	-1.2	-1.8%
6.3%	62.8	62.8	0.0	0.0%	6.3%	66.7	65.2	-1.5	-2.2%	6.3%	67.8	65.5	-2.3	-3.4%	6.3%	67.4	66.3	-1.1	-1.7%
7.5%	62.4	62.1	-0.3	-0.5%	7.5%	65.5	65.2	-0.4	-0.5%	7.5%	65.7	65.3	-0.4	-0.6%	7.5%	66.4	65.8	-0.7	-1.0%
8.8%	62.0	62.1	0.1	0.2%	8.8%	64.2	64.7	0.5	0.7%	8.8%	65.5	64.9	-0.6	-0.9%	8.8%	66.3	65.1	-1.2	-1.9%
10.0%	61.7	61.7	0.1	0.1%	10.0%	63.9	64.3	0.4	0.7%	10.0%	65.2	64.5	-0.7	-1.1%	10.0%	66.2	65.1	-1.2	-1.8%
11.3%	61.2	61.6	0.4	0.6%	11.3%	63.9	63.8	0.0	0.0%	11.3%	65.0	64.3	-0.7	-1.1%	11.3%	65.5	64.9	-0.6	-0.9%
12.5%	61.0	61.3	0.3	0.5%	12.5%	63.8	63.8	0.0	0.0%	12.5%	64.2	64.1	-0.1	-0.1%	12.5%	65.0	64.9	-0.1	-0.2%
13.8%	61.0	61.1	0.1	0.1%	13.8%	63.6	63.4	-0.1	-0.2%	13.8%	64.0	63.7	-0.3	-0.5%	13.8%	64.9	64.9	0.0	-0.1%
15.0%	60.9	61.0	0.1	0.1%	15.0%	63.3	63.2	0.0	0.0%	15.0%	63.9	63.5	-0.4	-0.6%	15.0%	64.6	64.7	0.1	0.2%
16.3%	60.8	60.8	0.1	0.1%	16.3%	63.1	62.8	-0.3	-0.4%	16.3%	63.8	63.3	-0.4	-0.7%	16.3%	64.2	64.4	0.2	0.2%
17.5%	60.7	60.8	0.1	0.2%	17.5%	63.0	62.4	-0.6	-0.9%	17.5%	63.8	63.3	-0.4	-0.7%	17.5%	63.3	64.2	0.9	1.4%
18.8%	60.7	60.8	0.1	0.1%	18.8%	63.0	62.3	-0.6	-1.0%	18.8%	63.6	63.3	-0.3	-0.5%	18.8%	63.3	64.0	0.8	1.2%
20.0%	60.6	60.7	0.1	0.2%	20.0%	62.7	62.1	-0.6	-0.9%	20.0%	63.4	63.3	-0.1	-0.2%	20.0%	63.1	63.8	0.7	1.0%
21.3%	60.6	60.7	0.1	0.2%	21.3%	62.4	62.1	-0.3	-0.5%	21.3%	63.3	63.3	-0.1	-0.1%	21.3%	63.0	63.4	0.4	0.6%
22.5%	60.5	60.7	0.2	0.3%	22.5%	62.2	62.0	-0.1	-0.2%	22.5%	63.1	63.0	-0.1	-0.1%	22.5%	63.0	63.2	0.2	0.4%
23.8%	60.3	60.6	0.3	0.5%	23.8%	61.9	61.9	0.0	0.0%	23.8%	63.0	62.9	-0.1	-0.2%	23.8%	62.8	63.0	0.1	0.2%
25.0%	60.3	60.5	0.3	0.5%	25.0%	61.9	61.7	-0.2	-0.3%	25.0%	63.0	62.8	-0.2	-0.3%	25.0%	62.8	63.0	0.2	0.3%
26.3%	60.2	60.3	0.1	0.2%	26.3%	61.7	61.6	-0.1	-0.1%	26.3%	62.9	62.8	-0.1	-0.2%	26.3%	62.7	62.9	0.2	0.3%
27.5%	60.0	60.2	0.2	0.3%	27.5%	61.7	61.5	-0.1	-0.2%	27.5%	62.7	62.8	0.0	0.1%	27.5%	62.6	62.7	0.2	0.2%
28.8%	59.7	59.8	0.1	0.2%	28.8%	61.6	61.5	-0.1	-0.1%	28.8%	62.7	62.6	-0.1	-0.1%	28.8%	62.5	62.7	0.2	0.3%
30.0%	59.6	59.6	0.0	0.0%	30.0%	61.5	61.5	0.0	0.0%	30.0%	62.7	62.4	-0.3	-0.4%	30.0%	62.4	62.6	0.2	0.3%
31.3%	59.4	59.5	0.1	0.1%	31.3%	61.5	61.4	0.0	0.0%	31.3%	62.6	62.4	-0.3	-0.4%	31.3%	62.3	62.5	0.1	0.2%
32.5%	59.4	59.5	0.1	0.1%	32.5%	61.4	61.4	0.0	0.0%	32.5%	62.4	62.3	-0.1	-0.1%	32.5%	62.3	62.5	0.1	0.2%
33.8%	59.0	59.1	0.0	0.0%	33.8%	61.4	61.3	-0.1	-0.1%	33.8%	62.4	62.3	0.0	0.0%	33.8%	62.2	62.4	0.2	0.3%
35.0%	58.9	58.7	-0.2	-0.4%	35.0%	61.4	61.1	-0.3	-0.5%	35.0%	62.3	62.3	0.0	0.0%	35.0%	62.2	62.4	0.2	0.4%
36.3%	58.8	58.7	-0.1	-0.1%	36.3%	61.4	61.1	-0.3	-0.5%	36.3%	62.3	62.2	-0.1	-0.1%	36.3%	62.1	62.4	0.3	0.4%
37.5%	58.5	58.7	0.2	0.3%	37.5%	61.3	61.0	-0.2	-0.4%	37.5%	62.1	62.2	0.1	0.2%	37.5%	62.1	62.4	0.3	0.4%
38.8%	58.5	58.3	-0.1	-0.2%	38.8%	61.3	61.0	-0.3	-0.4%	38.8%	62.1	62.2	0.1	0.2%	38.8%	62.1	62.3	0.3	0.4%
40.0%	58.3	58.1	-0.2	-0.3%	40.0%	61.3	61.0	-0.3	-0.5%	40.0%	62.0	62.2	0.2	0.3%	40.0%	62.1	62.3	0.3	0.4%
41.3%	58.3	58.1	-0.2	-0.3%	41.3%	61.3	61.0	-0.3	-0.4%	41.3%	62.0	62.1	0.2	0.3%	41.3%	61.9	62.2	0.3	0.5%
42.5%	58.2	58.0	-0.2	-0.3%	42.5%	61.2	61.0	-0.2	-0.3%	42.5%	61.9	62.1	0.2	0.3%	42.5%	61.9	62.1	0.2	0.3%
43.8%	57.9	57.9	0.0	0.0%	43.8%	61.2	61.0	-0.2	-0.3%	43.8%	61.9	62.0	0.1	0.2%	43.8%	61.9	62.0	0.2	0.3%
45.0%	57.6	57.9	0.3	0.5%	45.0%	61.1	60.8	-0.3	-0.5%	45.0%	61.9	61.9	0.0	0.1%	45.0%	61.8	62.0	0.2	0.2%
46.3%	57.5	57.7	0.3	0.5%	46.3%	61.0	60.7	-0.3	-0.5%	46.3%	61.9	61.9	0.0	0.1%	46.3%	61.8	61.9	0.2	0.2%
47.5%	57.4	57.6	0.2	0.3%	47.5%	61.0	60.7	-0.3	-0.5%	47.5%	61.8	61.9	0.1	0.1%	47.5%	61.7	61.9	0.2	0.3%
48.8%	57.3	57.5	0.2	0.3%	48.8%	61.0	60.5	-0.4	-0.7%	48.8%	61.8	61.9	0.1	0.1%	48.8%	61.7	61.8	0.1	0.2%
50.0%	57.3	57.5	0.2	0.3%	50.0%	61.0	60.5	-0.4	-0.7%	50.0%	61.8	61.8	0.1	0.1%	50.0%	61.7	61.8	0.1	0.1%
51.3%	57.3	57.4	0.2	0.3%	51.3%	60.9	60.5	-0.4	-0.6%	51.3%	61.8	61.6	-0.1	-0.2%	51.3%	61.7	61.7	0.1	0.1%
52.5%	57.3	57.4	0.1	0.2%	52.5%	60.8	60.5	-0.3	-0.6%	52.5%	61.8	61.6	-0.1	-0.2%	52.5%	61.6	61.7	0.1	0.2%
53.8%	57.2	57.3	0.1	0.2%	53.8%	60.6	60.5	-0.1	-0.2%	53.8%	61.5	61.6	0.0	0.1%	53.8%	61.5	61.7	0.2	0.3%
55.0%	57.2	57.3	0.1	0.2%	55.0%	60.5	60.5	-0.1	-0.1%	55.0%	61.5	61.5	0.0	0.0%	55.0%	61.5	61.4	-0.1	-0.1%
56.3%	57.2	57.3	0.1	0.2%	56.3%	60.3	60.4	0.1	0.2%	56.3%	61.4	61.5	0.1	0.2%	56.3%	61.5	61.4	-0.1	-0.1%
57.5%	57.1	57.2	0.1	0.2%	57.5%	60.3	60.4	0.2	0.2%	57.5%	61.4	61.4	0.0	0.0%	57.5%	61.5	61.3	-0.1	-0.2%
58.8%	57.1	57.1	0.0	0.1%	58.8%	60.3	60.4	0.1	0.2%	58.8%	61.3	61.3	0.0	0.0%	58.8%	61.5	61.3	-0.2	-0.3%
60.0%	57.0	57.1	0.1	0.1%	60.0%	60.2	60.3	0.1	0.2%	60.0%	61.3	61.3	0.0	0.0%	60.0%	61.4	61.3	-0.1	-0.2%
61.3%	57.0	57.0	0.0	0.0%	61.3%	60.1	60.3	0.2	0.4%	61.3%	61.3	61.1	-0.2	-0.3%	61.3%	61.4	61.1	-0.3	-0.4%
62.5%	57.0	57.0	0.0	0.0%	62.5%	60.0	60.3	0.2	0.4%	62.5%	61.2	61.0	-0.3	-0.4%	62.5%	61.2	61.0	-0.2	-0.3%
63.8%	56.8	57.0	0.1	0.3%	63.8%	60.0	60.2	0.2	0.3%	63.8%	61.2	60.9	-0.3	-0.4%	63.8%	61.1	60.9	-0.2	-0.3%
65.0%	56.8	56.9	0.1	0.2%	65.0%	60.0	60.2	0.2	0.3%	65.0%	61.2	60.8	-0.4	-0.6%	65.0%	61.0	60.9	-0.1	-0.2%
66.3%	56.8	56.9	0.1	0.2%	66.3%	59.9	60.1	0.1	0.2%	66.3%	61.1	60.8	-0.3	-0.6%	66.3%	60.9	60.8	-0.1	-0.2%
67.5%	56.7	56.9	0.2	0.3%	67.5%	59.9	60.0	0.1	0.2%	67.5%	61.1	60.7	-0.4	-0.6%	67.5%	60.7	60.7	0.0	0.0%
68.8%	56.7	56.8	0.2	0.3%	68.8%	59.9	60.0	0.1	0.2%	68.8%	61.1	60.7	-0.4	-0.6%	68.8%	60.7	60.7	0.0	0.0%
70.0%	56.6	56.8	0.1	0.2%	70.0%	59.9	59.8	0.0	0.0%	70.0%	60.9	60.7	-0.3	-0.4%	70.0%	60.7	60.7	0.0	0.0%
71.3%	56.6	56.7	0.1	0.2%	71.3%	59.8	59.8	0.0	0.0%	71.3%	60.8	60.7	-0.2	-0.3%	71.3%	60.6	60.6	0.0	0.0%
72.5%	56.5	56.7	0.2	0.3%	72.5%	59.8	59.8	0.0	0.0%	72.5%	60.7	60.6	0.0	-0.1%	72.5%	60.6	60.6	0.0	0.0%
73.8%	56.4	56.5	0.2	0.3%	73.8%	59.7	59.8	0.0	0.1%	73.8%	60.7	60.6	0.0	-0.1%	73.8%	60.6	60.6	0.0	0.0%
75.0%	56.3	56.5	0.3	0.5%	75.0%	59.7	59.7	0.1	0.1%	75.0%	60.6	60.5	-0.2	-0.3%	75.0%	60.6	60.5	-0.1	-0.1%
76.3%	56.2	56.4	0.2	0.4%	76.3%	59.7	59.7	0.0	-0.1%	76.3%	60.6	60.4	-0.2	-0.4%	76.3%	60.6	60.5	-0.1	-0.2%
77.5%	56.1	56.3	0.2	0.3%	77.5%	59.6	59.7	0.1	0.2%	77.5%	60.6	60.2	-0.4	-0.7%	77.5%	60.5	60.3	-0.2	-0.4%
78.8%	56.1	56.2	0.2	0.3%	78.8%	59.4	59.5	0.1	0.2%	78.8%	60.5	60.0	-0.4	-0.7%	78.8%	60.3	60.3	-0.1	-0.1%
80.0%	56.0	56.0	0.1	0.1%	80.0%	59.3	59.4	0.0	0.1%	80.0%	60.4	60.0	-0.4	-0.6%	80.0%	60.3	60.2	-0.1	-0.2%
81.3%	55.9	56.0	0.0	0.1%	81.3%	59.3	59.4	0.0	0.0%	81.3%	60.2	60.0	-0.2	-0.4%	81.3%	60.3	60.2	-0.1	-0.2%
82.5%	55.9	56.0	0.1	0.1%	82.5%	59.3	59.3	-0.1	-0.1%	82.5%	60.1	59.9	-0.2	-0.4%	82.5%	60.2	60.2	-0.1	-0.1%
83.8%	55.9	55.9	0.0	0.0%	83.8%	59.3	59.3	0.0	0.0%	83.8%	60.0	59.8	-0.1	-0.2%	83.8%	60.2	60.1	-0.1	-0.1%
85.0%	55.8	55.9	0.0	0.0%	85.0%	59.2	59.3	0.1	0.2%	85.0%	59.9	59.8	0.0	0.0%	85.0%	60.1	60.0	-0.1	-0.2%
86.3%	55.8	55.8	0.1	0.1%	86.3%	59.1	59.2	0.1	0.1%	86.3%	59.8	59.8	0.0	0.0%	86.3%	60.0	60.0	0.0	-0.1%
87.5%	55.7	55.8	0.0	0.1%	87.5%	59.1	59.1	0.0	0.0%	87.5%	59.8	59.7	-0.1	-0.2%	87.5%	60.0	59.9	-0.1	-0.2%
88.8%	55.6	55.7	0.1	0.1%	88.8%	59.0	59.0	-0.1	-0.1%	88.8%	59.6	59.7	0.1	0.2%	88.8%	60.0	59.9	-0.1	-0.2%
90.0%	55.5	55.6	0.1	0.3%	90.0%	59.0	58.9	-0.1	-0.2%	90.0%	59.5	59.7	0.1	0.2%	90.0%	60.0	59.8	-0.1	-0.3%
91.3%	55.5	55.5	0.1	0.2%	91.3%	59.0	58.6	-0.3	-0.5%	91.3%	59.5	59.7	0.2	0.3%	91.3%	59.7	59.8	0.1	0.2%
92.5%	55.4	55.4	0.0	0.1%	92.5%	58.7	58.6	-0.2	-0.3%	92.5%	59.5	59.6	0.1	0.2%	92.5%	59.7	59.8	0.1	0.2%
93.8%	55.2	55.4	0.3	0.5%	93.8%	58.6	58.5	-0.1	-0.1%	93.8%	59.4	59.6	0.2	0.4%	93.8%	59.5	59.7	0.2	0.3%
95.0%	55.1	55.1	0.0	0.1%	95.0%	58.4	58.3	-0.1	-0.1%	95.0%	59.2	59.5	0.4	0.6%	95.0%	59.4	59.1	-0.3	-0.5%
96.3%	54.6	54.6	0.0	-0.1%	96.3%	57.7	57.7	0.0	0.0%	96.3%	58.9	59.4	0.5	0.8%	96.3%	59.4	59.1	-0.3	-0.5%
97.5%	54.2	54.0	-0.2	-0.3%	97.5%	57.5	57.5	0.0	0.0%	97.5%	58.8	59.0	0.2	0.3%	97.5%	59.4	59.0	-0.4	-0.6%
98.8%	54.1	54.0	-0.1	-0.2%	98.8%	56.8	56.6	-0.2	-0.3%	98.8%	58.8	58.7	0.0	-0.1%	98.8%	58.9	58.9	0.0	0.0%
100.0%	53.6	53.6	0.0	-0.1%	100.0%	56.3	56.2	0.0	-0.1%	100.0%	58.7	58.5	-0.2	-0.3%	100.0%	58.0	58.9	0.9	1.6%

Table SQ-**40**-3a
American River at Watt Avenue, Monthly Temperature
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Monthly Temperature (DEG-F)												
Long-term												
Full Simulation Period[1]												
No Action Alternative	61.4	56.0	50.7	47.5	48.9	52.6	56.0	58.6	61.6	64.4	65.7	64.9
Alternative C	61.0	55.7	50.4	47.5	49.0	52.9	56.3	58.8	61.8	64.5	65.4	64.8
Difference	-0.5	-0.3	-0.3	-0.1	0.1	0.3	0.3	0.1	0.3	0.1	-0.3	-0.1
Percent Difference[3]	-0.8%	-0.5%	-0.6%	-0.2%	0.3%	0.5%	0.4%	0.2%	0.4%	0.2%	-0.4%	-0.2%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	60.1	56.1	51.4	47.8	48.6	51.4	54.4	55.8	58.6	62.6	63.7	63.1
Alternative C	59.7	56.1	51.2	47.8	48.6	51.5	54.4	55.8	58.7	62.8	63.7	63.3
Difference	-0.4	-0.1	-0.2	0.0	0.0	0.1	0.0	0.0	0.1	0.2	0.0	0.2
Percent Difference	-0.7%	-0.1%	-0.4%	0.0%	0.0%	0.1%	0.0%	0.0%	0.1%	0.3%	0.0%	0.2%
Above Normal (15%)												
No Action Alternative	60.2	55.5	50.5	47.8	48.4	51.6	55.1	57.4	60.4	63.2	64.4	63.5
Alternative C	59.9	55.5	50.4	47.8	48.5	51.9	55.4	57.5	60.7	63.3	64.2	63.6
Difference	-0.4	0.0	-0.2	0.0	0.1	0.2	0.3	0.2	0.3	0.1	-0.2	0.1
Percent Difference	-0.6%	0.0%	-0.3%	-0.1%	0.2%	0.5%	0.5%	0.3%	0.5%	0.1%	-0.3%	0.1%
Below Normal (17%)												
No Action Alternative	60.8	56.2	51.1	47.3	48.3	52.6	56.1	58.3	61.3	63.5	64.9	64.1
Alternative C	60.7	56.0	50.9	47.1	48.4	52.9	56.1	58.3	61.6	63.7	64.5	63.8
Difference	-0.1	-0.1	-0.2	-0.2	0.1	0.3	0.0	0.0	0.3	0.2	-0.5	-0.3
Percent Difference	-0.1%	-0.3%	-0.4%	-0.4%	0.2%	0.6%	0.1%	0.0%	0.5%	0.3%	-0.7%	-0.5%
Dry (22%)												
No Action Alternative	62.6	55.9	50.4	47.4	49.5	53.4	57.1	60.5	63.0	64.9	66.2	65.6
Alternative C	61.8	55.5	50.2	47.3	49.6	53.7	57.6	61.0	63.7	64.7	66.1	65.6
Difference	-0.8	-0.4	-0.3	-0.1	0.2	0.3	0.4	0.5	0.7	-0.1	-0.2	0.0
Percent Difference	-1.2%	-0.7%	-0.5%	-0.2%	0.3%	0.6%	0.7%	0.9%	1.1%	-0.2%	-0.2%	0.1%
Critical (15%)												
No Action Alternative	64.6	56.0	49.0	47.2	49.9	54.9	58.9	63.7	67.2	69.7	71.4	70.0
Alternative C	63.7	55.0	48.2	47.2	50.4	55.4	59.7	63.6	67.1	69.9	70.3	69.1
Difference	-0.8	-0.9	-0.7	0.0	0.5	0.5	0.7	0.0	-0.2	0.2	-1.0	-0.9
Percent Difference	-1.3%	-1.7%	-1.5%	-0.1%	0.9%	1.0%	1.2%	-0.1%	-0.3%	0.3%	-1.4%	-1.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

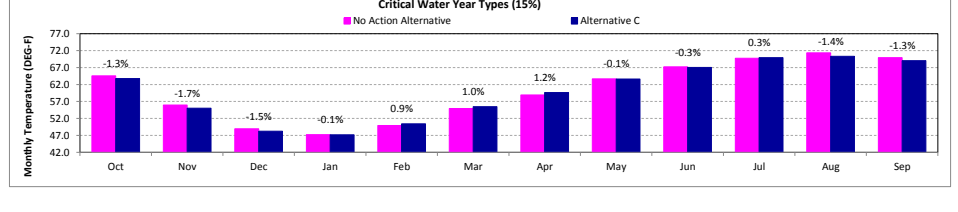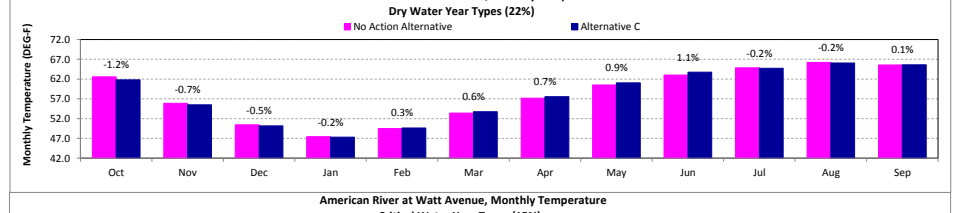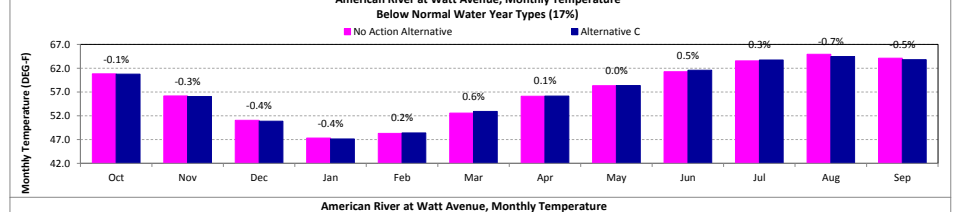3 Relative difference of the monthly average

American River at Watt Avenue, Monthly Temperature — Full Simulation Period

American River at Watt Avenue, Monthly Temperature — Wet Water Year Types (32%)

American River at Watt Avenue, Monthly Temperature — Above Normal Water Year Types (15%)

American River at Watt Avenue, Monthly Temperature — Below Normal Water Year Types (17%)

American River at Watt Avenue, Monthly Temperature — Dry Water Year Types (22%)

American River at Watt Avenue, Monthly Temperature — Critical Water Year Types (15%)

Figure SQ-40-3b
American River at Watt Avenue, Monthly Temperature
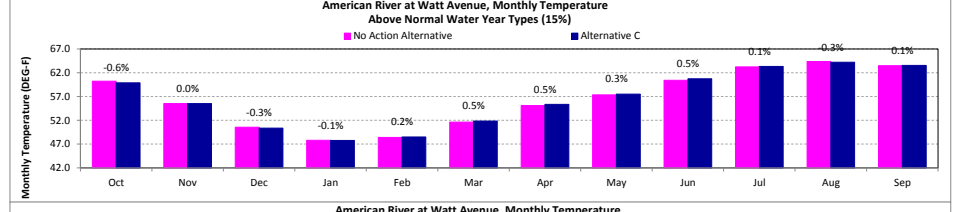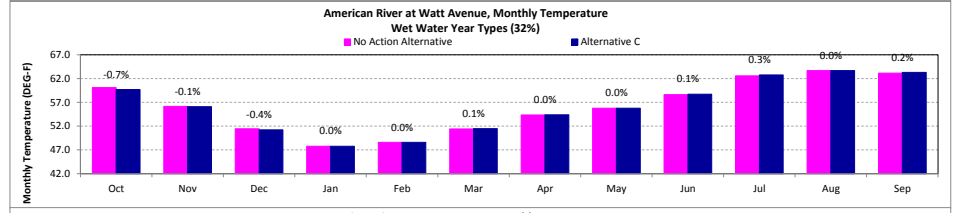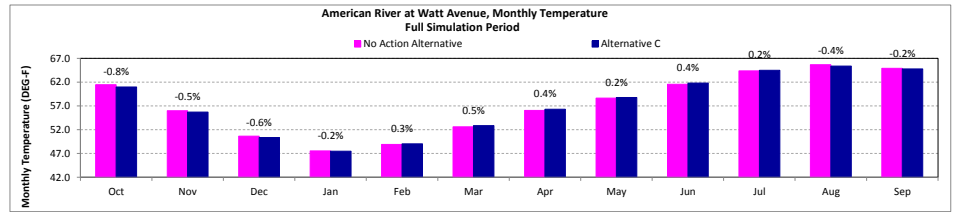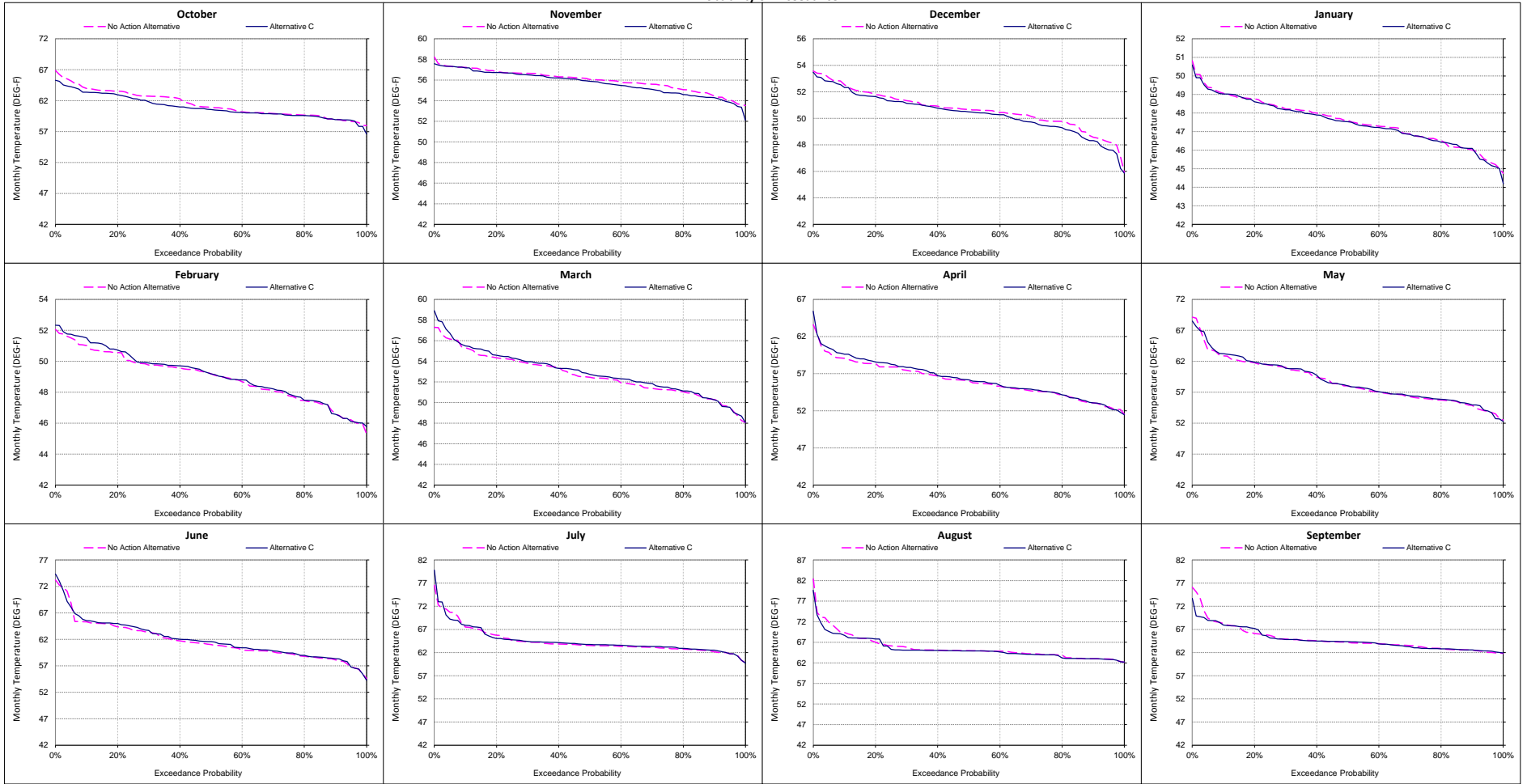**Probability of Exceedance**

Table SQ-**40**-3b
American River at Watt Avenue, Monthly Temperature
Probability of Exceedance

October

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative C Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	66.9	65.3	-1.6	-2.3%
1.3%	66.2	65.1	-1.1	-1.7%
2.5%	65.7	64.6	-1.2	-1.8%
3.8%	65.5	64.4	-1.1	-1.7%
5.0%	65.2	64.3	-0.9	-1.4%
6.3%	64.8	64.1	-0.7	-1.1%
7.5%	64.7	63.9	-0.8	-1.3%
8.8%	64.2	63.4	-0.8	-1.3%
10.0%	64.0	63.3	-0.6	-1.0%
11.3%	63.9	63.3	-0.6	-0.9%
12.5%	63.8	63.3	-0.5	-0.7%
13.8%	63.7	63.3	-0.4	-0.7%
15.0%	63.7	63.2	-0.4	-0.7%
16.3%	63.6	63.2	-0.5	-0.7%
17.5%	63.6	63.2	-0.5	-0.7%
18.8%	63.5	63.1	-0.4	-0.7%
20.0%	63.5	63.0	-0.6	-0.9%
21.3%	63.5	62.8	-0.7	-1.1%
22.5%	63.4	62.7	-0.7	-1.1%
23.8%	63.1	62.5	-0.6	-1.0%
25.0%	63.0	62.3	-0.7	-1.1%
26.3%	62.8	62.3	-0.6	-0.9%
27.5%	62.8	62.1	-0.7	-1.1%
28.8%	62.8	62.0	-0.7	-1.1%
30.0%	62.7	61.8	-0.9	-1.5%
31.3%	62.7	61.6	-1.1	-1.8%
32.5%	62.7	61.5	-1.2	-2.0%
33.8%	62.7	61.4	-1.3	-2.0%
35.0%	62.6	61.4	-1.3	-2.0%
36.3%	62.6	61.2	-1.4	-2.2%
37.5%	62.5	61.2	-1.4	-2.2%
38.8%	62.5	61.1	-1.4	-2.2%
40.0%	62.3	61.0	-1.3	-2.1%
41.3%	61.8	61.0	-0.8	-1.3%
42.5%	61.6	60.8	-0.8	-1.3%
43.8%	61.5	60.8	-0.7	-1.1%
45.0%	61.2	60.7	-0.4	-0.7%
46.3%	61.1	60.7	-0.3	-0.6%
47.5%	61.0	60.7	-0.3	-0.5%
48.8%	61.0	60.6	-0.4	-0.6%
50.0%	60.9	60.6	-0.4	-0.6%
51.3%	60.9	60.4	-0.4	-0.6%
52.5%	60.8	60.4	-0.4	-0.7%
53.8%	60.8	60.4	-0.4	-0.6%
55.0%	60.7	60.3	-0.4	-0.6%
56.3%	60.7	60.2	-0.5	-0.8%
57.5%	60.5	60.1	-0.3	-0.6%
58.8%	60.2	60.1	-0.1	-0.2%
60.0%	60.2	60.1	-0.1	-0.1%
61.3%	60.1	60.0	-0.1	-0.1%
62.5%	60.0	60.0	0.0	0.0%
63.8%	60.0	60.0	0.0	0.0%
65.0%	60.0	60.0	0.0	-0.1%
66.3%	60.0	59.9	-0.1	-0.2%
67.5%	60.0	59.9	-0.1	-0.2%
68.8%	60.0	59.9	-0.1	-0.1%
70.0%	59.9	59.9	-0.1	-0.1%
71.3%	59.9	59.8	0.0	-0.1%
72.5%	59.8	59.8	0.0	0.0%
73.8%	59.8	59.7	-0.1	-0.2%
75.0%	59.8	59.7	-0.1	-0.2%
76.3%	59.8	59.6	-0.1	-0.2%
77.5%	59.8	59.6	-0.1	-0.2%
78.8%	59.7	59.6	-0.1	-0.2%
80.0%	59.7	59.6	-0.1	-0.1%
81.3%	59.7	59.6	-0.1	-0.2%
82.5%	59.6	59.5	-0.1	-0.2%
83.8%	59.6	59.5	-0.1	-0.3%
85.0%	59.6	59.4	-0.2	-0.4%
86.3%	59.3	59.2	-0.2	-0.3%
87.5%	59.0	59.1	0.0	0.1%
88.8%	59.0	59.1	0.0	0.1%
90.0%	59.0	59.0	0.0	-0.1%
91.3%	58.9	59.0	0.0	0.0%
92.5%	58.8	58.9	0.1	0.2%
93.8%	58.7	58.9	0.1	0.2%
95.0%	58.6	58.8	0.2	0.3%
96.3%	58.6	58.7	0.1	0.1%
97.5%	58.5	57.9	-0.6	-1.0%
98.8%	58.0	57.8	-0.2	-0.3%
100.0%	58.0	56.6	-1.3	-2.3%

November

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative C Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	58.2	57.6	-0.6	-1.1%
1.3%	57.6	57.5	-0.1	-0.2%
2.5%	57.5	57.4	-0.1	-0.2%
3.8%	57.4	57.3	0.0	-0.1%
5.0%	57.3	57.3	0.0	0.0%
6.3%	57.3	57.3	0.0	0.0%
7.5%	57.3	57.3	0.0	0.0%
8.8%	57.2	57.3	0.0	0.0%
10.0%	57.2	57.2	0.0	-0.1%
11.3%	57.2	57.2	0.0	0.0%
12.5%	57.2	56.9	-0.3	-0.5%
13.8%	57.1	56.9	-0.3	-0.5%
15.0%	57.0	56.8	-0.2	-0.3%
16.3%	57.0	56.8	-0.3	-0.4%
17.5%	56.9	56.8	-0.2	-0.3%
18.8%	56.9	56.7	-0.2	-0.3%
20.0%	56.8	56.7	-0.1	-0.2%
21.3%	56.8	56.7	0.0	-0.1%
22.5%	56.7	56.7	0.0	0.0%
23.8%	56.7	56.7	0.0	0.0%
25.0%	56.7	56.7	0.0	0.0%
26.3%	56.7	56.6	-0.1	-0.2%
27.5%	56.7	56.5	-0.1	-0.2%
28.8%	56.7	56.5	-0.1	-0.2%
30.0%	56.7	56.5	-0.1	-0.2%
31.3%	56.6	56.5	-0.2	-0.3%
32.5%	56.6	56.4	-0.2	-0.4%
33.8%	56.6	56.4	-0.2	-0.3%
35.0%	56.5	56.4	-0.1	-0.1%
36.3%	56.4	56.3	-0.2	-0.3%
37.5%	56.4	56.2	-0.2	-0.3%
38.8%	56.4	56.2	-0.2	-0.3%
40.0%	56.3	56.2	-0.1	-0.2%
41.3%	56.3	56.2	-0.1	-0.2%
42.5%	56.3	56.2	-0.1	-0.2%
43.8%	56.3	56.1	-0.2	-0.3%
45.0%	56.2	56.1	-0.2	-0.3%
46.3%	56.2	56.0	-0.2	-0.3%
47.5%	56.2	56.0	-0.2	-0.4%
48.8%	56.2	55.9	-0.2	-0.4%
50.0%	56.0	55.9	-0.2	-0.3%
51.3%	56.0	55.8	-0.2	-0.4%
52.5%	56.0	55.8	-0.2	-0.4%
53.8%	56.0	55.7	-0.3	-0.5%
55.0%	56.0	55.7	-0.3	-0.5%
56.3%	56.0	55.6	-0.3	-0.6%
57.5%	55.9	55.6	-0.4	-0.6%
58.8%	55.9	55.5	-0.4	-0.7%
60.0%	55.8	55.5	-0.3	-0.5%
61.3%	55.7	55.5	-0.3	-0.5%
62.5%	55.7	55.4	-0.3	-0.6%
63.8%	55.7	55.3	-0.4	-0.8%
65.0%	55.7	55.3	-0.5	-0.8%
66.3%	55.7	55.2	-0.4	-0.8%
67.5%	55.6	55.2	-0.5	-0.8%
68.8%	55.6	55.2	-0.5	-0.8%
70.0%	55.6	55.1	-0.5	-0.9%
71.3%	55.6	55.0	-0.6	-1.0%
72.5%	55.5	55.0	-0.5	-1.0%
73.8%	55.5	54.8	-0.7	-1.3%
75.0%	55.5	54.8	-0.7	-1.2%
76.3%	55.3	54.8	-0.5	-0.9%
77.5%	55.2	54.8	-0.5	-0.8%
78.8%	55.1	54.7	-0.4	-0.8%
80.0%	55.1	54.6	-0.5	-0.9%
81.3%	55.1	54.6	-0.5	-0.9%
82.5%	55.0	54.5	-0.5	-0.9%
83.8%	54.9	54.5	-0.4	-0.8%
85.0%	54.8	54.4	-0.4	-0.7%
86.3%	54.8	54.4	-0.4	-0.7%
87.5%	54.8	54.3	-0.4	-0.8%
88.8%	54.6	54.3	-0.3	-0.5%
90.0%	54.5	54.3	-0.2	-0.3%
91.3%	54.3	54.2	-0.2	-0.3%
92.5%	54.3	54.1	-0.3	-0.5%
93.8%	54.1	53.9	-0.2	-0.3%
95.0%	54.1	53.8	-0.2	-0.4%
96.3%	53.9	53.7	-0.2	-0.4%
97.5%	53.7	53.4	-0.2	-0.4%
98.8%	53.6	53.4	-0.3	-0.5%
100.0%	53.5	52.1	-1.4	-2.7%

December

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative C Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	53.6	53.5	-0.1	-0.2%
1.3%	53.4	53.1	-0.3	-0.5%
2.5%	53.4	53.1	-0.3	-0.6%
3.8%	53.3	52.8	-0.5	-0.9%
5.0%	53.1	52.8	-0.3	-0.5%
6.3%	52.9	52.8	-0.1	-0.2%
7.5%	52.8	52.6	-0.2	-0.4%
8.8%	52.8	52.5	-0.3	-0.5%
10.0%	52.5	52.3	-0.2	-0.4%
11.3%	52.3	52.3	0.0	0.0%
12.5%	52.2	52.0	-0.3	-0.5%
13.8%	52.1	51.8	-0.3	-0.6%
15.0%	52.1	51.7	-0.4	-0.7%
16.3%	52.0	51.7	-0.3	-0.5%
17.5%	52.0	51.7	-0.3	-0.6%
18.8%	51.9	51.7	-0.3	-0.5%
20.0%	51.8	51.6	-0.1	-0.3%
21.3%	51.8	51.5	-0.2	-0.4%
22.5%	51.7	51.5	-0.2	-0.3%
23.8%	51.6	51.3	-0.3	-0.6%
25.0%	51.6	51.3	-0.3	-0.6%
26.3%	51.5	51.3	-0.2	-0.4%
27.5%	51.4	51.3	-0.1	-0.3%
28.8%	51.4	51.2	-0.2	-0.3%
30.0%	51.3	51.1	-0.2	-0.4%
31.3%	51.3	51.1	-0.2	-0.3%
32.5%	51.2	51.1	-0.1	-0.3%
33.8%	51.2	51.0	-0.2	-0.3%
35.0%	51.0	51.0	0.0	0.0%
36.3%	51.0	50.9	0.0	-0.1%
37.5%	51.0	50.9	0.0	-0.1%
38.8%	51.0	50.8	-0.1	-0.2%
40.0%	50.9	50.8	-0.2	-0.3%
41.3%	50.8	50.7	-0.1	-0.2%
42.5%	50.8	50.7	-0.1	-0.2%
43.8%	50.8	50.6	-0.1	-0.3%
45.0%	50.8	50.6	-0.2	-0.4%
46.3%	50.8	50.6	-0.2	-0.4%
47.5%	50.7	50.5	-0.2	-0.4%
48.8%	50.7	50.5	-0.2	-0.3%
50.0%	50.7	50.5	-0.2	-0.4%
51.3%	50.6	50.5	-0.2	-0.3%
52.5%	50.6	50.4	-0.2	-0.4%
53.8%	50.6	50.4	-0.2	-0.4%
55.0%	50.6	50.4	-0.2	-0.4%
56.3%	50.6	50.4	-0.2	-0.4%
57.5%	50.6	50.3	-0.3	-0.5%
58.8%	50.5	50.3	-0.2	-0.4%
60.0%	50.4	50.3	-0.2	-0.3%
61.3%	50.4	50.3	-0.2	-0.3%
62.5%	50.4	50.1	-0.2	-0.5%
63.8%	50.4	50.0	-0.3	-0.6%
65.0%	50.3	49.9	-0.4	-0.8%
66.3%	50.3	49.9	-0.4	-0.8%
67.5%	50.3	49.8	-0.5	-1.0%
68.8%	50.3	49.7	-0.5	-1.0%
70.0%	50.2	49.7	-0.4	-0.8%
71.3%	50.1	49.7	-0.4	-0.8%
72.5%	49.9	49.5	-0.4	-0.7%
73.8%	49.9	49.5	-0.4	-0.8%
75.0%	49.8	49.4	-0.4	-0.7%
76.3%	49.8	49.4	-0.4	-0.8%
77.5%	49.8	49.4	-0.4	-0.8%
78.8%	49.8	49.3	-0.4	-0.9%
80.0%	49.8	49.3	-0.5	-1.0%
81.3%	49.7	49.1	-0.6	-1.2%
82.5%	49.6	49.1	-0.5	-0.9%
83.8%	49.5	49.0	-0.5	-1.1%
85.0%	49.4	48.9	-0.6	-1.1%
86.3%	49.0	48.6	-0.4	-0.9%
87.5%	49.0	48.4	-0.5	-1.1%
88.8%	48.7	48.3	-0.4	-0.8%
90.0%	48.6	48.3	-0.3	-0.5%
91.3%	48.5	48.3	-0.3	-0.5%
92.5%	48.4	47.9	-0.5	-1.1%
93.8%	48.3	47.7	-0.6	-1.2%
95.0%	48.2	47.6	-0.6	-1.2%
96.3%	48.1	47.6	-0.5	-1.1%
97.5%	48.0	47.3	-0.7	-1.4%
98.8%	47.1	46.2	-0.9	-1.8%
100.0%	45.9	45.9	0.0	-0.1%

January

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative C Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	50.8	50.6	-0.2	-0.5%
1.3%	50.1	49.9	-0.2	-0.4%
2.5%	50.1	49.9	-0.2	-0.3%
3.8%	49.6	49.5	-0.1	-0.2%
5.0%	49.4	49.3	-0.1	-0.2%
6.3%	49.4	49.3	-0.1	-0.2%
7.5%	49.2	49.1	-0.1	-0.2%
8.8%	49.1	49.0	-0.1	-0.1%
10.0%	49.1	49.0	0.0	-0.1%
11.3%	49.0	49.0	0.0	0.0%
12.5%	49.0	49.0	0.1	0.1%
13.8%	48.9	49.0	0.1	0.2%
15.0%	48.8	48.9	0.1	0.2%
16.3%	48.8	48.8	0.0	0.0%
17.5%	48.8	48.8	0.0	-0.1%
18.8%	48.8	48.7	0.0	-0.1%
20.0%	48.8	48.6	-0.2	-0.3%
21.3%	48.7	48.6	-0.2	-0.3%
22.5%	48.6	48.5	-0.1	-0.1%
23.8%	48.5	48.5	0.0	-0.1%
25.0%	48.5	48.4	0.0	-0.1%
26.3%	48.4	48.4	0.0	-0.1%
27.5%	48.3	48.2	-0.1	-0.2%
28.8%	48.3	48.2	-0.1	-0.2%
30.0%	48.2	48.2	0.0	-0.1%
31.3%	48.2	48.2	0.0	-0.1%
32.5%	48.2	48.1	-0.1	-0.2%
33.8%	48.2	48.1	-0.1	-0.2%
35.0%	48.2	48.1	-0.1	-0.1%
36.3%	48.1	48.0	-0.2	-0.3%
37.5%	48.1	48.0	-0.1	-0.3%
38.8%	48.0	47.9	-0.1	-0.2%
40.0%	48.0	47.9	-0.1	-0.2%
41.3%	48.0	47.9	-0.1	-0.1%
42.5%	47.9	47.8	-0.1	-0.3%
43.8%	47.8	47.7	-0.1	-0.3%
45.0%	47.8	47.7	-0.2	-0.4%
46.3%	47.7	47.6	-0.1	-0.3%
47.5%	47.7	47.6	-0.1	-0.3%
48.8%	47.6	47.5	-0.1	-0.2%
50.0%	47.6	47.5	-0.1	-0.2%
51.3%	47.5	47.5	0.0	0.0%
52.5%	47.5	47.4	-0.1	-0.1%
53.8%	47.4	47.3	-0.1	-0.2%
55.0%	47.4	47.3	-0.1	-0.2%
56.3%	47.4	47.3	-0.1	-0.1%
57.5%	47.3	47.3	-0.1	-0.2%
58.8%	47.3	47.2	-0.1	-0.2%
60.0%	47.3	47.2	-0.1	-0.1%
61.3%	47.3	47.2	-0.1	-0.2%
62.5%	47.3	47.2	-0.1	-0.3%
63.8%	47.2	47.2	-0.1	-0.1%
65.0%	47.2	47.1	-0.1	-0.2%
66.3%	47.2	47.1	-0.1	-0.3%
67.5%	46.9	46.9	0.0	-0.1%
68.8%	46.9	46.9	0.0	0.0%
70.0%	46.9	46.8	0.0	-0.1%
71.3%	46.8	46.8	0.0	-0.1%
72.5%	46.7	46.8	0.0	0.0%
73.8%	46.7	46.7	0.0	0.0%
75.0%	46.7	46.7	0.0	-0.1%
76.3%	46.6	46.6	-0.1	-0.1%
77.5%	46.6	46.5	-0.1	-0.2%
78.8%	46.6	46.5	-0.1	-0.1%
80.0%	46.5	46.4	-0.1	-0.2%
81.3%	46.4	46.4	0.0	0.0%
82.5%	46.2	46.4	0.2	0.4%
83.8%	46.2	46.3	0.1	0.3%
85.0%	46.2	46.3	0.2	0.3%
86.3%	46.2	46.1	0.0	0.0%
87.5%	46.1	46.1	0.0	0.0%
88.8%	46.1	46.1	0.0	0.1%
90.0%	46.0	46.1	0.1	0.2%
91.3%	45.9	45.8	-0.1	-0.3%
92.5%	45.8	45.5	-0.3	-0.6%
93.8%	45.5	45.5	-0.1	-0.2%
95.0%	45.4	45.3	-0.1	-0.2%
96.3%	45.3	45.2	-0.2	-0.3%
97.5%	45.2	45.1	-0.1	-0.3%
98.8%	45.0	45.0	0.0	0.0%
100.0%	44.8	44.2	-0.5	-1.2%

Table SQ-**40**-3b
American River at Watt Avenue, Monthly Temperature
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative C Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	52.1	52.3	0.3	0.5%
1.3%	51.8	52.3	0.5	1.0%
2.5%	51.8	51.9	0.2	0.3%
3.8%	51.6	51.8	0.2	0.3%
5.0%	51.5	51.8	0.2	0.5%
6.3%	51.4	51.7	0.3	0.5%
7.5%	51.1	51.6	0.5	1.1%
8.8%	51.1	51.6	0.5	1.0%
10.0%	51.0	51.5	0.5	1.0%
11.3%	50.8	51.2	0.4	0.8%
12.5%	50.7	51.2	0.5	0.9%
13.8%	50.7	51.2	0.5	1.0%
15.0%	50.6	51.1	0.5	1.0%
16.3%	50.6	51.0	0.4	0.8%
17.5%	50.6	50.8	0.2	0.4%
18.8%	50.6	50.8	0.2	0.5%
20.0%	50.6	50.7	0.2	0.3%
21.3%	50.5	50.6	0.1	0.2%
22.5%	50.1	50.6	0.5	1.1%
23.8%	50.0	50.4	0.4	0.7%
25.0%	50.0	50.2	0.2	0.5%
26.3%	49.9	50.0	0.1	0.2%
27.5%	49.9	49.9	0.1	0.1%
28.8%	49.8	49.9	0.1	0.2%
30.0%	49.8	49.9	0.1	0.3%
31.3%	49.8	49.8	0.1	0.2%
32.5%	49.8	49.8	0.1	0.1%
33.8%	49.7	49.8	0.1	0.2%
35.0%	49.7	49.8	0.1	0.2%
36.3%	49.6	49.7	0.1	0.2%
37.5%	49.6	49.7	0.1	0.2%
38.8%	49.6	49.7	0.1	0.3%
40.0%	49.6	49.7	0.1	0.3%
41.3%	49.5	49.7	0.2	0.4%
42.5%	49.5	49.7	0.2	0.4%
43.8%	49.5	49.6	0.1	0.2%
45.0%	49.5	49.5	0.1	0.1%
46.3%	49.4	49.5	0.1	0.2%
47.5%	49.3	49.4	0.0	0.1%
48.8%	49.3	49.3	0.0	0.0%
50.0%	49.2	49.2	0.0	0.0%
51.3%	49.1	49.1	0.0	0.1%
52.5%	49.0	49.0	0.0	0.0%
53.8%	49.0	49.0	0.0	0.0%
55.0%	48.9	48.9	0.0	-0.1%
56.3%	48.9	48.8	-0.1	-0.1%
57.5%	48.8	48.8	0.0	0.0%
58.8%	48.8	48.8	0.0	0.0%
60.0%	48.7	48.8	0.1	0.2%
61.3%	48.6	48.8	0.2	0.4%
62.5%	48.4	48.6	0.2	0.4%
63.8%	48.4	48.5	0.1	0.1%
65.0%	48.4	48.4	0.0	0.0%
66.3%	48.2	48.4	0.2	0.4%
67.5%	48.2	48.3	0.1	0.2%
68.8%	48.2	48.3	0.1	0.2%
70.0%	48.1	48.2	0.1	0.2%
71.3%	48.0	48.1	0.1	0.2%
72.5%	48.0	48.1	0.1	0.2%
73.8%	47.9	48.0	0.1	0.3%
75.0%	47.8	47.9	0.1	0.2%
76.3%	47.7	47.8	0.1	0.1%
77.5%	47.6	47.7	0.1	0.2%
78.8%	47.5	47.7	0.2	0.4%
80.0%	47.5	47.5	0.0	0.0%
81.3%	47.4	47.5	0.1	0.1%
82.5%	47.4	47.5	0.1	0.2%
83.8%	47.4	47.4	0.1	0.1%
85.0%	47.3	47.4	0.1	0.2%
86.3%	47.2	47.3	0.1	0.1%
87.5%	47.2	47.2	0.0	0.1%
88.8%	46.8	46.6	-0.2	-0.4%
90.0%	46.6	46.6	0.0	-0.1%
91.3%	46.5	46.5	0.0	0.0%
92.5%	46.3	46.3	0.0	0.0%
93.8%	46.3	46.3	0.0	0.0%
95.0%	46.2	46.1	-0.1	-0.2%
96.3%	46.0	46.1	0.0	0.1%
97.5%	46.0	46.0	0.1	0.2%
98.8%	45.9	46.0	0.1	0.2%
100.0%	45.3	45.8	0.5	1.1%

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative C Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	57.3	58.9	1.6	2.8%
1.3%	57.3	57.9	0.7	1.2%
2.5%	56.6	57.8	1.2	2.2%
3.8%	56.3	57.1	0.8	1.5%
5.0%	56.2	56.7	0.6	1.0%
6.3%	56.1	56.1	0.0	0.1%
7.5%	56.0	55.9	-0.2	-0.3%
8.8%	55.4	55.6	0.2	0.4%
10.0%	55.3	55.5	0.2	0.3%
11.3%	55.2	55.5	0.3	0.5%
12.5%	55.0	55.3	0.2	0.4%
13.8%	54.7	55.2	0.6	1.0%
15.0%	54.6	55.2	0.6	1.1%
16.3%	54.6	55.0	0.5	0.9%
17.5%	54.5	55.0	0.5	1.0%
18.8%	54.4	54.6	0.2	0.4%
20.0%	54.3	54.6	0.2	0.4%
21.3%	54.3	54.5	0.2	0.4%
22.5%	54.3	54.5	0.2	0.4%
23.8%	54.2	54.5	0.2	0.4%
25.0%	54.2	54.3	0.1	0.2%
26.3%	54.0	54.3	0.2	0.4%
27.5%	54.0	54.2	0.2	0.4%
28.8%	53.9	54.0	0.1	0.3%
30.0%	53.8	54.0	0.2	0.3%
31.3%	53.7	54.0	0.3	0.5%
32.5%	53.7	53.9	0.2	0.3%
33.8%	53.6	53.8	0.2	0.3%
35.0%	53.6	53.8	0.2	0.4%
36.3%	53.6	53.8	0.2	0.3%
37.5%	53.5	53.6	0.2	0.3%
38.8%	53.5	53.4	-0.1	-0.2%
40.0%	53.4	53.3	-0.1	-0.2%
41.3%	53.1	53.3	0.2	0.4%
42.5%	53.0	53.3	0.3	0.5%
43.8%	52.8	53.3	0.5	0.9%
45.0%	52.7	53.2	0.5	0.9%
46.3%	52.5	53.2	0.6	1.1%
47.5%	52.5	52.9	0.4	0.8%
48.8%	52.5	52.9	0.4	0.7%
50.0%	52.5	52.7	0.3	0.5%
51.3%	52.4	52.6	0.3	0.5%
52.5%	52.4	52.6	0.2	0.4%
53.8%	52.4	52.6	0.2	0.4%
55.0%	52.3	52.5	0.2	0.4%
56.3%	52.3	52.5	0.2	0.4%
57.5%	52.2	52.4	0.2	0.3%
58.8%	52.2	52.3	0.2	0.3%
60.0%	51.9	52.3	0.4	0.7%
61.3%	51.9	52.3	0.4	0.8%
62.5%	51.8	52.2	0.4	0.8%
63.8%	51.8	52.1	0.3	0.6%
65.0%	51.7	52.0	0.3	0.6%
66.3%	51.7	52.0	0.3	0.7%
67.5%	51.4	51.9	0.5	1.0%
68.8%	51.4	51.9	0.5	0.9%
70.0%	51.4	51.8	0.5	0.9%
71.3%	51.3	51.6	0.3	0.6%
72.5%	51.3	51.6	0.3	0.6%
73.8%	51.3	51.5	0.3	0.5%
75.0%	51.2	51.5	0.3	0.5%
76.3%	51.2	51.3	0.1	0.2%
77.5%	51.2	51.3	0.2	0.4%
78.8%	51.1	51.2	0.1	0.3%
80.0%	51.0	51.1	0.1	0.2%
81.3%	50.9	51.1	0.2	0.3%
82.5%	50.9	51.1	0.2	0.3%
83.8%	50.8	50.9	0.0	0.1%
85.0%	50.7	50.9	0.2	0.4%
86.3%	50.5	50.5	-0.1	-0.1%
87.5%	50.4	50.5	0.1	0.2%
88.8%	50.4	50.4	0.0	0.0%
90.0%	50.3	50.3	0.0	0.0%
91.3%	50.2	50.1	-0.1	-0.2%
92.5%	49.7	49.6	-0.1	-0.2%
93.8%	49.7	49.6	-0.1	-0.2%
95.0%	49.5	49.5	0.0	0.1%
96.3%	49.1	49.0	-0.1	-0.1%
97.5%	48.7	48.9	0.2	0.3%
98.8%	48.3	48.7	0.4	0.9%
100.0%	48.1	48.1	0.0	0.0%

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative C Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	63.6	65.4	1.8	2.9%
1.3%	62.4	62.3	-0.1	-0.1%
2.5%	60.8	61.0	0.3	0.5%
3.8%	60.0	60.8	0.7	1.2%
5.0%	59.9	60.5	0.6	1.0%
6.3%	59.4	60.2	0.9	1.4%
7.5%	59.2	59.8	0.7	1.1%
8.8%	59.1	59.8	0.6	1.1%
10.0%	59.1	59.6	0.5	0.9%
11.3%	58.9	59.6	0.7	1.2%
12.5%	58.8	59.3	0.6	1.0%
13.8%	58.6	59.1	0.5	0.9%
15.0%	58.6	59.0	0.4	0.7%
16.3%	58.4	59.0	0.6	1.0%
17.5%	58.4	58.8	0.5	0.8%
18.8%	58.4	58.7	0.4	0.6%
20.0%	58.4	58.6	0.2	0.4%
21.3%	57.9	58.5	0.6	1.0%
22.5%	57.9	58.5	0.5	0.9%
23.8%	57.9	58.4	0.5	0.9%
25.0%	57.9	58.3	0.3	0.6%
26.3%	57.9	58.2	0.3	0.5%
27.5%	57.9	58.0	0.1	0.1%
28.8%	57.5	57.9	0.4	0.7%
30.0%	57.5	57.8	0.4	0.7%
31.3%	57.3	57.8	0.5	0.9%
32.5%	57.3	57.7	0.4	0.6%
33.8%	57.3	57.6	0.3	0.5%
35.0%	57.0	57.6	0.5	1.0%
36.3%	57.0	57.4	0.4	0.8%
37.5%	56.9	57.2	0.3	0.5%
38.8%	56.8	57.1	0.3	0.6%
40.0%	56.7	56.7	0.0	0.0%
41.3%	56.5	56.6	0.2	0.3%
42.5%	56.3	56.6	0.3	0.6%
43.8%	56.3	56.6	0.3	0.6%
45.0%	56.2	56.5	0.3	0.5%
46.3%	56.2	56.4	0.3	0.4%
47.5%	56.2	56.2	0.1	0.2%
48.8%	56.1	56.2	0.1	0.2%
50.0%	56.0	56.2	0.1	0.2%
51.3%	55.8	56.0	0.2	0.4%
52.5%	55.7	56.0	0.2	0.4%
53.8%	55.7	55.9	0.3	0.5%
55.0%	55.7	55.9	0.3	0.4%
56.3%	55.6	55.8	0.1	0.2%
57.5%	55.5	55.7	0.2	0.3%
58.8%	55.3	55.7	0.3	0.6%
60.0%	55.3	55.4	0.1	0.2%
61.3%	55.2	55.2	0.0	0.1%
62.5%	55.2	55.2	0.0	0.0%
63.8%	55.0	55.1	0.1	0.2%
65.0%	55.0	55.1	0.1	0.2%
66.3%	54.9	55.0	0.1	0.1%
67.5%	54.9	55.0	0.1	0.2%
68.8%	54.8	54.9	0.2	0.3%
70.0%	54.7	54.9	0.2	0.4%
71.3%	54.6	54.8	0.2	0.3%
72.5%	54.6	54.8	0.2	0.3%
73.8%	54.6	54.7	0.1	0.1%
75.0%	54.6	54.6	0.0	0.0%
76.3%	54.6	54.5	-0.1	-0.1%
77.5%	54.4	54.5	0.0	0.0%
78.8%	54.2	54.4	0.2	0.3%
80.0%	54.1	54.1	0.0	0.0%
81.3%	54.0	54.1	0.1	0.1%
82.5%	53.8	53.8	-0.1	-0.1%
83.8%	53.7	53.7	0.0	0.0%
85.0%	53.5	53.7	0.1	0.2%
86.3%	53.3	53.5	0.2	0.3%
87.5%	53.2	53.4	0.2	0.3%
88.8%	53.1	53.1	0.0	0.1%
90.0%	53.1	53.1	0.0	0.0%
91.3%	53.0	53.0	0.0	0.1%
92.5%	52.8	52.9	0.1	0.2%
93.8%	52.6	52.7	0.2	0.3%
95.0%	52.5	52.4	-0.1	-0.3%
96.3%	52.3	52.2	-0.1	-0.3%
97.5%	52.2	52.1	-0.1	-0.2%
98.8%	52.2	51.8	-0.4	-0.8%
100.0%	51.5	51.5	0.0	-0.1%

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative C Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	69.1	68.5	-0.6	-0.9%
1.3%	69.0	67.6	-1.3	-1.9%
2.5%	67.2	66.9	-0.3	-0.4%
3.8%	65.5	66.8	1.3	2.0%
5.0%	63.9	65.1	1.2	1.9%
6.3%	63.8	64.2	0.4	0.6%
7.5%	63.6	63.7	0.0	0.0%
8.8%	63.0	63.3	0.3	0.5%
10.0%	62.9	63.2	0.3	0.5%
11.3%	62.8	63.1	0.3	0.5%
12.5%	62.3	63.1	0.7	1.2%
13.8%	62.3	63.0	0.7	1.2%
15.0%	62.1	62.8	0.7	1.2%
16.3%	62.0	62.7	0.7	1.2%
17.5%	61.9	62.1	0.2	0.4%
18.8%	61.9	62.0	0.1	0.2%
20.0%	61.8	61.8	0.1	0.1%
21.3%	61.6	61.8	0.2	0.3%
22.5%	61.5	61.6	0.0	0.0%
23.8%	61.5	61.5	0.0	0.0%
25.0%	61.4	61.4	0.0	0.1%
26.3%	61.3	61.4	0.1	0.2%
27.5%	61.2	61.4	0.2	0.3%
28.8%	61.1	61.3	0.2	0.3%
30.0%	61.0	60.9	-0.1	-0.2%
31.3%	60.6	60.8	0.2	0.3%
32.5%	60.6	60.8	0.2	0.3%
33.8%	60.5	60.8	0.3	0.5%
35.0%	60.4	60.8	0.3	0.6%
36.3%	60.2	60.4	0.2	0.2%
37.5%	60.2	60.3	0.1	0.2%
38.8%	59.6	60.1	0.5	0.9%
40.0%	59.4	59.7	0.3	0.5%
41.3%	59.3	59.1	-0.2	-0.3%
42.5%	59.2	58.8	-0.4	-0.6%
43.8%	59.0	58.5	-0.5	-0.8%
45.0%	58.4	58.5	0.0	0.1%
46.3%	58.4	58.5	0.1	0.1%
47.5%	58.3	58.3	-0.1	-0.1%
48.8%	58.0	58.2	0.2	0.3%
50.0%	58.0	58.0	0.0	0.0%
51.3%	57.8	57.9	0.0	0.1%
52.5%	57.8	57.8	0.1	0.2%
53.8%	57.6	57.8	0.2	0.3%
55.0%	57.5	57.7	0.2	0.3%
56.3%	57.3	57.6	0.3	0.6%
57.5%	57.2	57.5	0.3	0.5%
58.8%	57.1	57.2	0.1	0.2%
60.0%	57.0	57.1	0.0	0.1%
61.3%	56.9	57.0	0.1	0.2%
62.5%	56.8	56.9	0.1	0.2%
63.8%	56.8	56.8	0.0	0.0%
65.0%	56.7	56.7	0.0	-0.1%
66.3%	56.6	56.7	0.1	0.1%
67.5%	56.6	56.7	0.1	0.2%
68.8%	56.3	56.5	0.2	0.4%
70.0%	56.3	56.4	0.1	0.2%
71.3%	56.2	56.4	0.2	0.4%
72.5%	56.1	56.4	0.3	0.5%
73.8%	56.0	56.2	0.2	0.3%
75.0%	56.0	56.2	0.2	0.3%
76.3%	55.9	56.1	0.2	0.3%
77.5%	55.8	55.9	0.1	0.2%
78.8%	55.8	55.9	0.2	0.3%
80.0%	55.8	55.9	0.1	0.2%
81.3%	55.7	55.8	0.2	0.3%
82.5%	55.6	55.8	0.1	0.2%
83.8%	55.6	55.7	0.1	0.1%
85.0%	55.5	55.6	0.1	0.1%
86.3%	55.2	55.3	0.1	0.2%
87.5%	55.2	55.3	0.1	0.2%
88.8%	54.9	55.2	0.2	0.4%
90.0%	54.9	55.0	0.1	0.1%
91.3%	54.4	54.9	0.5	1.0%
92.5%	54.2	54.8	0.6	1.1%
93.8%	54.0	54.1	0.1	0.2%
95.0%	53.9	54.0	0.0	-0.1%
96.3%	53.7	53.7	0.0	-0.1%
97.5%	53.5	52.7	-0.8	-1.4%
98.8%	52.7	52.7	-0.1	-0.1%
100.0%	52.5	52.3	-0.2	-0.4%

Table SQ-**40**-3b
American River at Watt Avenue, Monthly Temperature
Probability of Exceedance

Percent Exceedance Probability (%)	June No Action Alternative Monthly Temperature (DEG-F)	June Alternative C Monthly Temperature (DEG-F)	June Absolute Difference (DEG-F)	June Relative Difference (%)	July No Action Alternative Monthly Temperature (DEG-F)	July Alternative C Monthly Temperature (DEG-F)	July Absolute Difference (DEG-F)	July Relative Difference (%)	August No Action Alternative Monthly Temperature (DEG-F)	August Alternative C Monthly Temperature (DEG-F)	August Absolute Difference (DEG-F)	August Relative Difference (%)	September No Action Alternative Monthly Temperature (DEG-F)	September Alternative C Monthly Temperature (DEG-F)	September Absolute Difference (DEG-F)	September Relative Difference (%)
0.0%	73.2	74.3	1.1	1.5%	76.6	79.8	3.3	4.3%	82.4	79.6	-2.8	-3.4%	76.1	73.7	-2.4	-3.2%
1.3%	72.3	73.0	0.7	1.0%	72.3	73.0	0.7	1.0%	74.2	73.7	-0.5	-0.7%	75.1	69.9	-5.2	-6.9%
2.5%	71.8	71.2	-0.6	-0.8%	71.6	72.9	1.3	1.9%	73.1	71.7	-1.4	-1.9%	73.8	69.7	-4.1	-5.5%
3.8%	71.1	69.2	-2.0	-2.8%	71.4	70.1	-1.3	-1.8%	73.0	70.1	-2.9	-3.9%	71.0	69.6	-1.5	-2.1%
5.0%	68.8	68.1	-0.8	-1.1%	70.7	69.3	-1.5	-2.1%	71.8	69.6	-2.2	-3.1%	69.5	69.0	-0.5	-0.7%
6.3%	65.4	66.9	1.5	2.3%	70.7	69.0	-1.6	-2.3%	71.2	69.2	-2.0	-2.8%	68.9	68.9	0.0	0.0%
7.5%	65.4	66.4	1.1	1.6%	69.9	68.9	-0.9	-1.3%	70.3	69.1	-1.2	-1.7%	68.7	68.9	0.2	0.3%
8.8%	65.3	65.8	0.4	0.7%	68.3	68.1	-0.2	-0.4%	69.4	69.1	-0.4	-0.5%	68.5	68.5	0.0	0.0%
10.0%	65.3	65.5	0.2	0.3%	67.5	67.9	0.4	0.6%	69.4	68.7	-0.7	-1.0%	68.3	68.0	-0.3	-0.5%
11.3%	65.1	65.5	0.4	0.6%	67.4	67.9	0.4	0.6%	69.0	68.1	-0.9	-1.4%	68.0	67.8	-0.1	-0.2%
12.5%	65.1	65.3	0.3	0.4%	67.3	67.6	0.3	0.4%	68.8	68.1	-0.7	-1.0%	67.8	67.8	0.0	0.0%
13.8%	65.0	65.1	0.1	0.2%	67.2	67.5	0.3	0.5%	68.1	68.1	0.0	-0.1%	67.8	67.8	0.0	0.0%
15.0%	65.0	65.1	0.1	0.1%	66.9	67.4	0.5	0.8%	68.0	68.0	0.0	0.0%	67.5	67.6	0.1	0.1%
16.3%	65.0	65.1	0.1	0.2%	66.3	66.0	-0.4	-0.5%	68.0	68.0	0.0	0.0%	66.8	67.6	0.8	1.2%
17.5%	64.9	65.1	0.1	0.2%	66.2	65.6	-0.6	-0.9%	67.9	68.0	0.0	0.1%	66.4	67.6	1.2	1.8%
18.8%	64.6	65.0	0.4	0.7%	65.9	65.3	-0.6	-1.0%	67.4	67.9	0.6	0.8%	66.4	67.3	0.9	1.4%
20.0%	64.4	65.0	0.6	1.0%	65.7	65.1	-0.7	-1.0%	67.0	67.8	0.8	1.1%	66.1	67.3	1.1	1.7%
21.3%	64.3	64.8	0.5	0.8%	65.7	65.0	-0.7	-1.0%	66.6	67.8	1.2	1.7%	66.0	66.9	0.9	1.3%
22.5%	64.2	64.7	0.5	0.7%	65.1	64.9	-0.3	-0.4%	66.5	66.1	-0.4	-0.6%	66.0	65.8	-0.2	-0.4%
23.8%	64.1	64.6	0.5	0.8%	65.1	64.8	-0.2	-0.4%	66.2	66.1	-0.2	-0.2%	65.8	65.7	-0.2	-0.2%
25.0%	63.7	64.4	0.7	1.2%	64.7	64.8	0.1	0.2%	66.2	65.3	-0.9	-1.3%	65.7	65.1	-0.6	-0.9%
26.3%	63.7	64.3	0.6	0.9%	64.5	64.7	0.2	0.3%	66.0	65.2	-0.8	-1.3%	65.4	65.1	-0.4	-0.6%
27.5%	63.6	64.0	0.4	0.5%	64.4	64.7	0.2	0.4%	66.0	65.1	-0.9	-1.3%	65.0	64.9	-0.1	-0.1%
28.8%	63.5	63.8	0.3	0.6%	64.4	64.5	0.1	0.1%	66.0	65.1	-0.8	-1.3%	64.9	64.9	0.0	0.0%
30.0%	63.3	63.7	0.4	0.6%	64.3	64.4	0.1	0.2%	65.8	65.1	-0.7	-1.1%	64.9	64.8	-0.1	-0.1%
31.3%	63.2	63.1	-0.1	-0.2%	64.2	64.3	0.1	0.1%	65.5	65.1	-0.4	-0.5%	64.8	64.8	0.0	-0.1%
32.5%	63.1	63.0	0.0	0.0%	64.2	64.3	0.1	0.1%	65.2	65.1	-0.1	-0.2%	64.8	64.8	0.0	0.0%
33.8%	62.4	63.0	0.6	0.9%	64.2	64.3	0.1	0.1%	65.2	65.1	-0.1	-0.2%	64.8	64.8	0.0	0.0%
35.0%	62.3	62.6	0.3	0.5%	64.0	64.3	0.3	0.5%	65.2	65.1	-0.1	-0.1%	64.7	64.7	0.0	0.0%
36.3%	62.2	62.5	0.4	0.6%	64.0	64.3	0.3	0.5%	65.1	65.1	-0.1	-0.1%	64.7	64.6	-0.1	-0.1%
37.5%	61.9	62.2	0.2	0.4%	63.9	64.2	0.4	0.5%	65.1	65.1	-0.1	-0.1%	64.6	64.6	-0.1	-0.1%
38.8%	61.8	62.1	0.3	0.5%	63.9	64.2	0.4	0.6%	65.1	65.1	-0.1	-0.1%	64.6	64.5	-0.1	-0.1%
40.0%	61.7	62.0	0.3	0.5%	63.8	64.2	0.3	0.5%	65.1	65.0	-0.1	-0.1%	64.6	64.5	-0.1	-0.1%
41.3%	61.6	62.0	0.4	0.6%	63.8	64.1	0.3	0.4%	65.1	65.0	0.0	-0.1%	64.5	64.5	0.0	0.0%
42.5%	61.5	62.0	0.5	0.7%	63.8	64.0	0.2	0.4%	65.1	65.0	-0.1	-0.1%	64.4	64.5	0.1	0.1%
43.8%	61.5	61.8	0.4	0.7%	63.8	64.0	0.2	0.3%	65.0	65.0	0.0	-0.1%	64.4	64.4	0.1	0.1%
45.0%	61.4	61.8	0.5	0.7%	63.8	64.0	0.2	0.4%	65.0	65.0	0.0	-0.1%	64.4	64.4	0.1	0.1%
46.3%	61.3	61.7	0.4	0.6%	63.7	63.9	0.2	0.3%	65.0	64.9	0.0	0.0%	64.3	64.4	0.1	0.2%
47.5%	61.3	61.7	0.4	0.6%	63.6	63.8	0.2	0.3%	65.0	64.9	-0.1	-0.1%	64.3	64.4	0.1	0.2%
48.8%	61.1	61.6	0.5	0.8%	63.6	63.8	0.2	0.3%	64.9	64.9	0.0	0.0%	64.3	64.4	0.1	0.2%
50.0%	61.0	61.6	0.5	0.9%	63.5	63.8	0.2	0.3%	64.9	64.9	0.0	-0.1%	64.2	64.4	0.2	0.2%
51.3%	60.9	61.5	0.6	1.0%	63.5	63.7	0.2	0.3%	64.9	64.9	0.0	-0.1%	64.1	64.3	0.3	0.4%
52.5%	60.8	61.2	0.4	0.6%	63.5	63.7	0.2	0.3%	64.9	64.9	-0.1	-0.1%	64.1	64.3	0.2	0.4%
53.8%	60.8	61.1	0.4	0.6%	63.5	63.7	0.2	0.3%	64.9	64.9	-0.1	-0.1%	64.0	64.3	0.2	0.4%
55.0%	60.7	61.1	0.5	0.8%	63.5	63.7	0.2	0.3%	64.9	64.9	0.0	0.0%	64.0	64.3	0.2	0.4%
56.3%	60.5	61.0	0.6	1.0%	63.5	63.7	0.2	0.3%	64.9	64.9	0.0	0.0%	64.0	64.2	0.2	0.3%
57.5%	60.4	60.5	0.1	0.1%	63.5	63.6	0.1	0.2%	64.8	64.8	0.0	0.0%	64.0	64.2	0.2	0.3%
58.8%	60.3	60.4	0.1	0.2%	63.4	63.6	0.2	0.3%	64.8	64.8	0.0	-0.1%	64.0	64.1	0.1	0.2%
60.0%	60.0	60.4	0.4	0.7%	63.3	63.6	0.3	0.4%	64.8	64.7	-0.2	-0.2%	63.9	63.9	0.0	0.0%
61.3%	59.9	60.4	0.4	0.7%	63.3	63.5	0.2	0.4%	64.8	64.6	-0.3	-0.4%	63.9	63.8	0.0	-0.1%
62.5%	59.9	60.2	0.3	0.6%	63.3	63.5	0.2	0.3%	64.7	64.3	-0.4	-0.7%	63.8	63.8	0.0	0.0%
63.8%	59.8	60.1	0.3	0.5%	63.3	63.4	0.2	0.3%	64.6	64.3	-0.3	-0.4%	63.7	63.7	0.0	0.0%
65.0%	59.8	60.1	0.3	0.5%	63.3	63.4	0.1	0.2%	64.5	64.3	-0.2	-0.3%	63.7	63.6	-0.1	-0.1%
66.3%	59.8	60.0	0.2	0.3%	63.2	63.4	0.2	0.3%	64.5	64.2	-0.3	-0.4%	63.7	63.5	-0.2	-0.3%
67.5%	59.8	60.0	0.2	0.3%	63.2	63.4	0.2	0.3%	64.3	64.2	-0.2	-0.2%	63.6	63.5	-0.1	-0.2%
68.8%	59.8	60.0	0.2	0.3%	63.2	63.3	0.2	0.2%	64.2	64.1	-0.2	-0.2%	63.6	63.3	-0.3	-0.4%
70.0%	59.6	59.8	0.2	0.3%	63.2	63.3	0.1	0.2%	64.2	64.1	-0.1	-0.2%	63.5	63.3	-0.3	-0.4%
71.3%	59.5	59.8	0.3	0.5%	63.1	63.3	0.2	0.3%	64.2	64.1	-0.1	-0.2%	63.5	63.0	-0.4	-0.7%
72.5%	59.4	59.6	0.2	0.3%	63.0	63.3	0.3	0.5%	64.2	64.0	-0.1	-0.2%	63.3	63.0	-0.3	-0.5%
73.8%	59.4	59.5	0.0	0.1%	63.0	63.2	0.2	0.4%	64.0	64.0	0.0	0.0%	63.2	62.9	-0.3	-0.5%
75.0%	59.3	59.4	0.1	0.1%	63.0	63.2	0.2	0.4%	64.0	64.0	0.0	0.0%	63.1	62.9	-0.2	-0.3%
76.3%	59.2	59.4	0.2	0.3%	62.8	63.2	0.4	0.6%	64.0	64.0	0.0	0.0%	63.0	62.9	-0.1	-0.1%
77.5%	59.0	59.2	0.2	0.3%	62.8	63.2	0.3	0.6%	64.0	64.0	0.0	-0.1%	62.9	62.9	-0.1	-0.1%
78.8%	58.9	59.0	0.1	0.2%	62.8	62.9	0.2	0.3%	63.9	63.8	-0.2	-0.3%	62.9	62.8	-0.1	-0.1%
80.0%	58.8	59.0	0.2	0.3%	62.7	62.9	0.2	0.3%	63.9	63.2	-0.7	-1.1%	62.9	62.8	-0.1	-0.1%
81.3%	58.7	58.8	0.1	0.1%	62.7	62.9	0.2	0.3%	63.3	63.1	-0.2	-0.2%	62.7	62.8	0.1	0.1%
82.5%	58.7	58.7	0.0	0.0%	62.7	62.7	0.1	0.1%	63.2	63.1	-0.2	-0.3%	62.7	62.8	0.1	0.1%
83.8%	58.6	58.7	0.1	0.2%	62.6	62.7	0.1	0.2%	63.2	63.1	-0.1	-0.2%	62.7	62.8	0.1	0.2%
85.0%	58.5	58.6	0.2	0.3%	62.6	62.7	0.2	0.2%	63.1	63.0	0.0	-0.1%	62.6	62.7	0.1	0.1%
86.3%	58.4	58.6	0.2	0.3%	62.5	62.7	0.2	0.3%	63.1	63.0	0.0	-0.1%	62.6	62.6	0.0	0.0%
87.5%	58.4	58.5	0.1	0.2%	62.5	62.6	0.1	0.2%	63.0	63.0	0.0	0.0%	62.6	62.6	0.0	0.0%
88.8%	58.3	58.4	0.1	0.2%	62.3	62.5	0.2	0.3%	63.0	63.0	0.0	0.0%	62.6	62.6	0.0	0.0%
90.0%	58.1	58.3	0.2	0.4%	62.2	62.5	0.4	0.6%	63.0	63.0	0.0	0.0%	62.5	62.6	0.0	0.0%
91.3%	57.9	58.3	0.4	0.7%	62.0	62.4	0.3	0.5%	63.0	63.0	0.0	0.0%	62.5	62.5	0.0	0.0%
92.5%	57.9	58.0	0.1	0.1%	62.0	62.2	0.2	0.3%	63.0	63.0	0.0	0.0%	62.3	62.4	0.1	0.1%
93.8%	57.4	57.8	0.5	0.8%	62.0	62.0	0.0	0.0%	63.0	62.9	0.0	-0.1%	62.3	62.4	0.1	0.2%
95.0%	56.8	56.8	-0.1	-0.1%	61.8	61.8	0.0	0.0%	63.0	62.8	-0.1	-0.2%	62.0	62.4	0.3	0.5%
96.3%	56.6	56.5	0.0	-0.1%	61.7	61.8	0.1	0.1%	62.8	62.8	0.0	0.0%	62.0	62.3	0.3	0.4%
97.5%	56.4	56.4	0.0	0.1%	61.3	61.2	-0.1	-0.2%	62.6	62.6	0.0	0.1%	61.9	62.1	0.2	0.3%
98.8%	55.5	55.4	0.0	0.0%	60.3	60.3	0.0	0.0%	62.3	62.3	-0.1	-0.1%	61.9	62.0	0.1	0.2%
100.0%	54.6	54.3	-0.3	-0.6%	59.8	59.7	-0.1	-0.1%	62.1	62.2	0.1	0.1%	61.8	61.9	0.1	0.1%

American River at the Mouth, Monthly Temperature
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
					Monthly Temperature (DEG-F)							
Long-term												
Full Simulation Period[1]												
No Action Alternative	62.5	56.7	50.5	47.4	49.6	53.8	57.5	60.6	63.5	66.4	67.8	66.5
Alternative C	62.3	56.7	50.6	47.4	49.7	53.9	57.7	60.7	63.6	66.4	67.6	66.4
Difference	-0.3	0.0	0.1	0.1	0.0	0.1	0.1	0.0	0.1	0.0	-0.2	-0.1
Percent Difference[3]	-0.4%	0.0%	0.2%	0.1%	0.1%	0.1%	0.2%	0.0%	0.1%	0.0%	-0.3%	-0.2%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	61.3	56.3	51.1	47.4	49.5	52.9	56.1	58.2	60.8	64.4	66.1	64.9
Alternative C	60.9	56.3	51.1	47.4	49.5	52.9	56.2	58.1	60.8	64.5	66.1	65.0
Difference	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
Percent Difference	-0.6%	-0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.2%
Above Normal (15%)												
No Action Alternative	61.5	56.1	50.0	47.6	49.2	53.0	56.7	59.3	62.4	65.2	66.6	65.1
Alternative C	61.3	56.2	50.1	47.6	49.2	53.2	56.9	59.4	62.5	65.2	66.4	65.2
Difference	-0.3	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.0	-0.1	0.1
Percent Difference	-0.4%	0.1%	0.2%	0.1%	0.1%	0.2%	0.4%	0.2%	0.2%	0.0%	-0.2%	0.1%
Below Normal (17%)												
No Action Alternative	62.1	56.8	50.7	47.2	49.0	53.8	57.5	60.2	63.2	65.6	66.9	65.5
Alternative C	61.9	56.8	50.7	47.2	49.0	53.9	57.5	60.2	63.3	65.6	66.6	65.3
Difference	-0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	-0.3	-0.2
Percent Difference	-0.2%	0.0%	0.1%	0.0%	0.0%	0.2%	0.0%	0.0%	0.1%	0.1%	-0.5%	-0.3%
Dry (22%)												
No Action Alternative	63.5	57.0	50.5	47.4	50.1	54.4	58.4	62.2	64.9	66.9	68.2	67.2
Alternative C	63.1	57.0	50.6	47.5	50.1	54.5	58.6	62.6	65.3	66.6	68.1	67.1
Difference	-0.5	0.0	0.1	0.1	0.0	0.1	0.2	0.4	0.5	-0.2	0.0	-0.1
Percent Difference	-0.7%	-0.1%	0.2%	0.2%	0.0%	0.2%	0.4%	0.6%	0.7%	-0.4%	-0.1%	-0.2%
Critical (15%)												
No Action Alternative	65.3	57.4	49.3	47.2	50.5	55.9	60.2	65.6	69.0	71.9	73.2	71.4
Alternative C	65.2	57.5	49.5	47.4	50.7	55.9	60.4	65.1	68.5	71.9	72.1	70.6
Difference	0.0	0.1	0.2	0.2	0.1	0.1	0.2	-0.5	-0.6	-0.1	-1.1	-0.7
Percent Difference	-0.1%	0.2%	0.4%	0.4%	0.3%	0.1%	0.4%	-0.8%	-0.8%	-0.1%	-1.5%	-1.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

American River at the Mouth, Monthly Temperature — Full Simulation Period

American River at the Mouth, Monthly Temperature — Wet Water Year Types (32%)

American River at the Mouth, Monthly Temperature — Above Normal Water Year Types (15%)

American River at the Mouth, Monthly Temperature — Below Normal Water Year Types (17%)

American River at the Mouth, Monthly Temperature — Dry Water Year Types (22%)

American River at the Mouth, Monthly Temperature — Critical Water Year Types (15%)
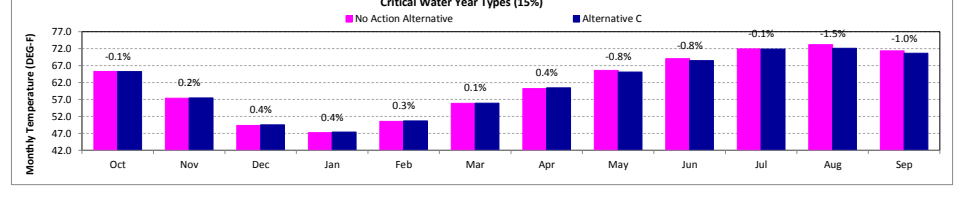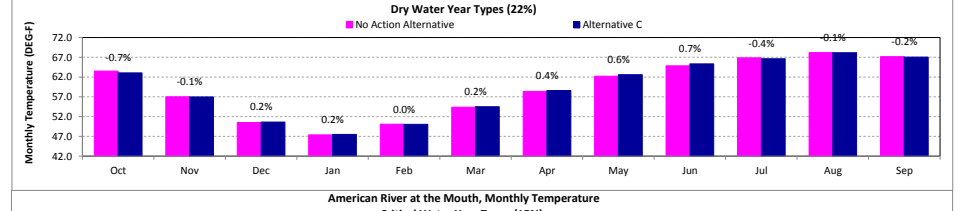
Figure SQ-41-3b
American River at the Mouth, Monthly Temperature
Probability of Exceedance

Table SQ-**41**-3b
American River at the Mouth, Monthly Temperature
Probability of Exceedance

October

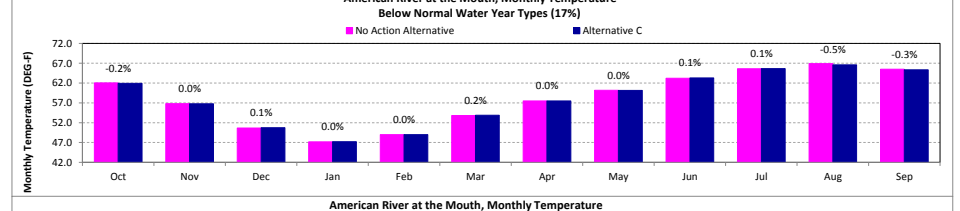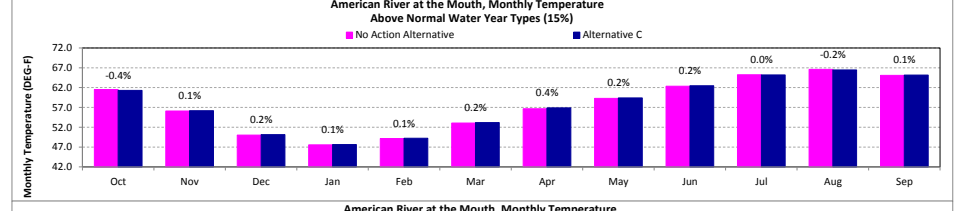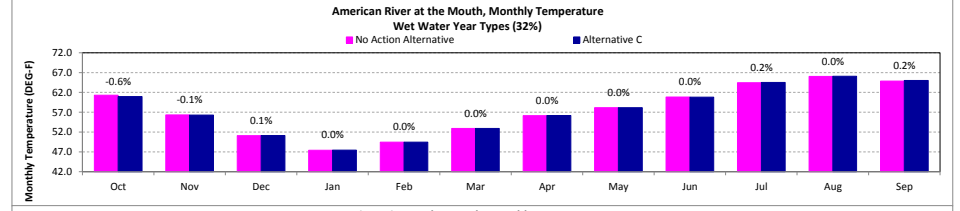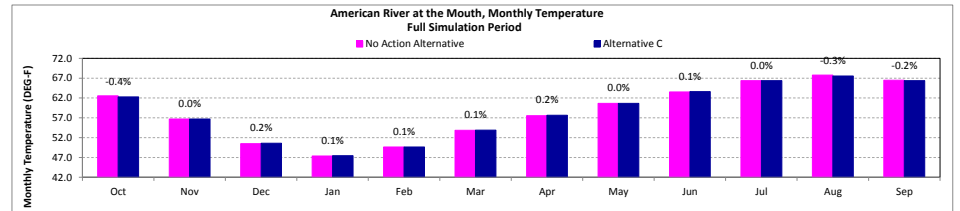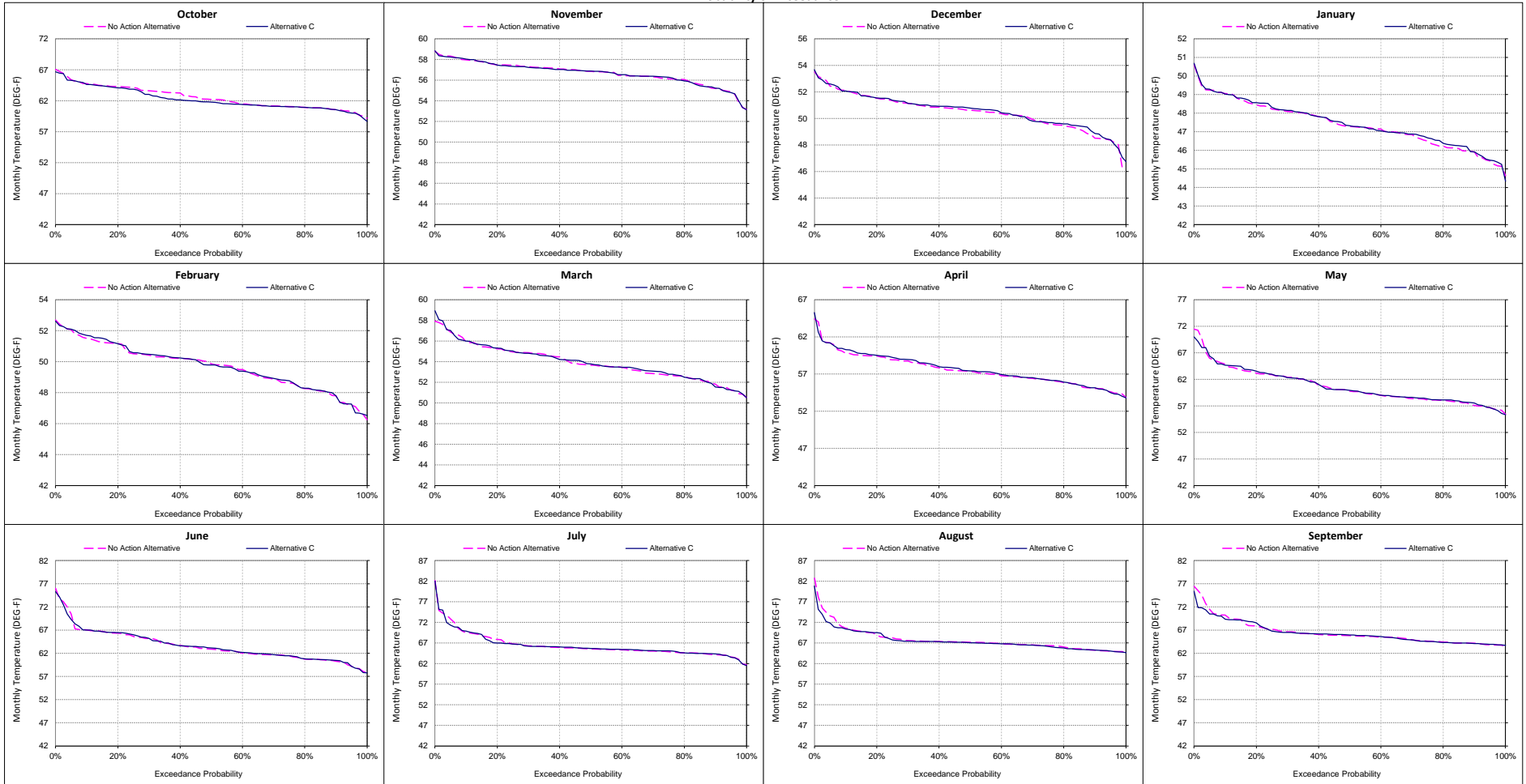| Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative C Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	67.1	66.7	-0.4	-0.6%
1.3%	66.7	66.5	-0.3	-0.4%
2.5%	66.4	66.4	0.0	0.0%
3.8%	65.9	65.3	-0.6	-0.9%
5.0%	65.4	65.3	-0.1	-0.1%
6.3%	65.2	65.2	0.1	0.1%
7.5%	65.1	65.0	0.0	-0.1%
8.8%	64.8	65.0	0.2	0.3%
10.0%	64.8	64.6	-0.1	-0.2%
11.3%	64.7	64.6	-0.1	-0.1%
12.5%	64.7	64.5	-0.1	-0.2%
13.8%	64.5	64.4	-0.1	-0.1%
15.0%	64.4	64.4	0.0	-0.1%
16.3%	64.4	64.3	-0.1	-0.2%
17.5%	64.3	64.2	-0.1	-0.1%
18.8%	64.3	64.2	-0.1	-0.1%
20.0%	64.3	64.1	-0.2	-0.4%
21.3%	64.3	64.1	-0.2	-0.3%
22.5%	64.2	64.0	-0.2	-0.4%
23.8%	64.2	63.9	-0.3	-0.5%
25.0%	64.2	63.8	-0.3	-0.5%
26.3%	64.0	63.8	-0.3	-0.4%
27.5%	63.7	63.5	-0.2	-0.4%
28.8%	63.7	63.0	-0.6	-1.0%
30.0%	63.6	63.0	-0.6	-0.9%
31.3%	63.6	62.8	-0.8	-1.2%
32.5%	63.5	62.8	-0.8	-1.2%
33.8%	63.5	62.5	-0.9	-1.5%
35.0%	63.4	62.4	-1.0	-1.5%
36.3%	63.3	62.3	-1.0	-1.6%
37.5%	63.3	62.3	-1.0	-1.6%
38.8%	63.3	62.2	-1.1	-1.8%
40.0%	63.3	62.1	-1.1	-1.8%
41.3%	62.8	62.1	-0.7	-1.2%
42.5%	62.8	62.0	-0.8	-1.3%
43.8%	62.7	62.0	-0.7	-1.1%
45.0%	62.6	62.0	-0.7	-1.1%
46.3%	62.3	61.8	-0.5	-0.8%
47.5%	62.3	61.8	-0.4	-0.7%
48.8%	62.3	61.8	-0.4	-0.7%
50.0%	62.2	61.8	-0.4	-0.7%
51.3%	62.2	61.7	-0.5	-0.7%
52.5%	62.2	61.7	-0.5	-0.9%
53.8%	62.1	61.5	-0.6	-0.9%
55.0%	62.0	61.5	-0.5	-0.8%
56.3%	61.8	61.5	-0.4	-0.6%
57.5%	61.8	61.5	-0.3	-0.5%
58.8%	61.6	61.5	-0.1	-0.2%
60.0%	61.5	61.4	-0.1	-0.2%
61.3%	61.5	61.3	-0.1	-0.2%
62.5%	61.4	61.3	0.0	0.0%
63.8%	61.3	61.3	0.0	0.0%
65.0%	61.3	61.3	0.0	0.0%
66.3%	61.2	61.2	0.0	0.0%
67.5%	61.2	61.2	0.0	0.0%
68.8%	61.2	61.1	0.0	-0.1%
70.0%	61.2	61.1	0.0	-0.1%
71.3%	61.1	61.1	0.0	-0.1%
72.5%	61.1	61.1	0.0	0.0%
73.8%	61.1	61.1	0.0	0.0%
75.0%	61.1	61.0	0.0	0.0%
76.3%	61.0	61.0	0.0	0.0%
77.5%	61.0	61.0	0.0	0.0%
78.8%	61.0	60.9	0.0	0.0%
80.0%	60.9	60.9	0.0	0.0%
81.3%	60.9	60.9	0.0	0.0%
82.5%	60.9	60.9	0.0	0.0%
83.8%	60.9	60.8	0.0	0.0%
85.0%	60.8	60.8	0.0	0.0%
86.3%	60.8	60.8	0.0	0.0%
87.5%	60.7	60.7	-0.1	-0.1%
88.8%	60.6	60.5	0.0	0.0%
90.0%	60.6	60.5	0.0	0.0%
91.3%	60.5	60.4	-0.1	-0.2%
92.5%	60.4	60.3	-0.1	-0.1%
93.8%	60.4	60.1	-0.2	-0.4%
95.0%	60.2	60.0	-0.2	-0.2%
96.3%	60.1	60.0	-0.1	-0.2%
97.5%	59.6	59.7	0.1	0.2%
98.8%	59.5	59.2	-0.4	-0.6%
100.0%	59.2	58.7	-0.5	-0.9%

November

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative C Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	58.8	58.8	0.0	0.1%
1.3%	58.5	58.4	-0.1	-0.2%
2.5%	58.4	58.3	-0.1	-0.1%
3.8%	58.3	58.3	-0.1	-0.2%
5.0%	58.3	58.2	-0.1	-0.2%
6.3%	58.2	58.2	0.0	-0.1%
7.5%	58.0	58.2	0.1	0.2%
8.8%	58.0	58.1	0.1	0.2%
10.0%	58.0	58.0	0.1	0.1%
11.3%	57.9	58.0	0.0	0.1%
12.5%	57.9	58.0	0.1	0.2%
13.8%	57.9	57.8	0.0	0.0%
15.0%	57.8	57.8	0.0	0.0%
16.3%	57.7	57.8	0.1	0.1%
17.5%	57.6	57.6	0.0	0.0%
18.8%	57.5	57.6	0.1	0.1%
20.0%	57.5	57.5	0.0	0.0%
21.3%	57.5	57.4	-0.1	-0.1%
22.5%	57.5	57.4	-0.1	-0.1%
23.8%	57.5	57.3	-0.1	-0.2%
25.0%	57.4	57.3	-0.1	-0.2%
26.3%	57.4	57.3	-0.1	-0.2%
27.5%	57.3	57.3	0.0	-0.1%
28.8%	57.3	57.3	0.0	-0.1%
30.0%	57.3	57.2	-0.1	-0.2%
31.3%	57.3	57.2	0.0	-0.1%
32.5%	57.2	57.2	-0.1	-0.1%
33.8%	57.2	57.2	0.0	-0.1%
35.0%	57.2	57.1	-0.1	-0.1%
36.3%	57.2	57.1	-0.1	-0.1%
37.5%	57.2	57.1	-0.1	-0.2%
38.8%	57.2	57.0	-0.1	-0.2%
40.0%	57.1	57.0	0.0	-0.1%
41.3%	57.1	57.0	0.0	-0.1%
42.5%	57.0	57.0	-0.1	-0.1%
43.8%	57.0	57.0	-0.1	-0.1%
45.0%	57.0	57.0	0.0	-0.1%
46.3%	56.9	56.9	0.0	0.0%
47.5%	56.9	56.9	0.0	0.0%
48.8%	56.9	56.9	0.0	0.0%
50.0%	56.8	56.9	0.0	0.0%
51.3%	56.8	56.9	0.0	0.1%
52.5%	56.8	56.8	0.0	0.1%
53.8%	56.8	56.8	0.0	0.1%
55.0%	56.8	56.8	0.0	0.0%
56.3%	56.8	56.7	0.0	-0.1%
57.5%	56.7	56.7	-0.1	-0.1%
58.8%	56.5	56.5	0.1	0.1%
60.0%	56.5	56.5	0.1	0.1%
61.3%	56.4	56.5	0.1	0.2%
62.5%	56.4	56.4	0.0	0.0%
63.8%	56.4	56.4	0.0	0.0%
65.0%	56.4	56.4	0.0	0.0%
66.3%	56.4	56.4	0.0	0.0%
67.5%	56.4	56.4	0.0	0.0%
68.8%	56.4	56.4	0.0	0.0%
70.0%	56.3	56.4	0.1	0.1%
71.3%	56.3	56.4	0.1	0.1%
72.5%	56.2	56.3	0.1	0.2%
73.8%	56.2	56.3	0.1	0.2%
75.0%	56.1	56.3	0.2	0.3%
76.3%	56.1	56.2	0.1	0.2%
77.5%	56.1	56.0	-0.1	-0.1%
78.8%	56.1	56.0	-0.1	-0.1%
80.0%	56.0	55.9	-0.1	-0.2%
81.3%	55.9	55.9	-0.1	-0.1%
82.5%	55.7	55.8	0.1	0.1%
83.8%	55.7	55.6	-0.1	-0.2%
85.0%	55.6	55.4	-0.1	-0.3%
86.3%	55.5	55.4	-0.1	-0.2%
87.5%	55.4	55.3	0.0	-0.1%
88.8%	55.2	55.3	0.1	0.2%
90.0%	55.2	55.2	0.0	0.1%
91.3%	55.1	55.2	0.1	0.2%
92.5%	55.0	55.0	0.0	-0.1%
93.8%	54.9	54.9	-0.1	-0.1%
95.0%	54.9	54.8	-0.1	-0.1%
96.3%	54.6	54.7	0.0	0.1%
97.5%	53.8	54.0	0.1	0.3%
98.8%	53.3	53.3	0.0	0.0%
100.0%	53.2	53.1	0.0	0.0%

December

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative C Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	53.5	53.7	0.2	0.3%
1.3%	53.2	53.1	-0.1	-0.2%
2.5%	53.0	52.9	-0.1	-0.2%
3.8%	52.9	52.6	-0.2	-0.4%
5.0%	52.4	52.6	0.2	0.3%
6.3%	52.4	52.5	0.1	0.2%
7.5%	52.2	52.4	0.2	0.3%
8.8%	52.1	52.1	-0.1	-0.1%
10.0%	52.1	52.1	-0.1	-0.1%
11.3%	52.0	52.0	0.0	-0.1%
12.5%	51.9	52.0	0.1	0.2%
13.8%	51.8	52.0	0.1	0.3%
15.0%	51.8	51.7	-0.1	-0.1%
16.3%	51.7	51.7	0.0	0.0%
17.5%	51.7	51.6	0.0	-0.1%
18.8%	51.5	51.6	0.0	0.1%
20.0%	51.5	51.5	0.0	0.0%
21.3%	51.5	51.5	0.0	0.1%
22.5%	51.5	51.5	0.0	0.1%
23.8%	51.4	51.5	0.1	0.2%
25.0%	51.3	51.4	0.0	0.0%
26.3%	51.2	51.3	0.1	0.2%
27.5%	51.2	51.3	0.1	0.2%
28.8%	51.2	51.3	0.1	0.2%
30.0%	51.1	51.1	0.0	0.0%
31.3%	51.1	51.1	0.0	0.0%
32.5%	51.0	51.1	0.1	0.1%
33.8%	51.0	51.0	0.0	0.1%
35.0%	50.9	51.0	0.1	0.2%
36.3%	50.9	51.0	0.1	0.3%
37.5%	50.8	50.9	0.1	0.2%
38.8%	50.8	50.9	0.1	0.2%
40.0%	50.8	50.9	0.1	0.1%
41.3%	50.8	50.9	0.1	0.2%
42.5%	50.8	50.9	0.1	0.2%
43.8%	50.8	50.9	0.1	0.3%
45.0%	50.8	50.9	0.1	0.2%
46.3%	50.7	50.8	0.1	0.2%
47.5%	50.7	50.8	0.2	0.3%
48.8%	50.6	50.8	0.2	0.4%
50.0%	50.6	50.8	0.2	0.3%
51.3%	50.6	50.7	0.1	0.3%
52.5%	50.6	50.7	0.1	0.3%
53.8%	50.6	50.7	0.1	0.3%
55.0%	50.5	50.7	0.2	0.3%
56.3%	50.5	50.7	0.2	0.4%
57.5%	50.5	50.6	0.2	0.3%
58.8%	50.4	50.6	0.2	0.4%
60.0%	50.4	50.4	0.1	0.1%
61.3%	50.3	50.4	0.1	0.2%
62.5%	50.3	50.4	0.1	0.2%
63.8%	50.3	50.3	0.0	0.0%
65.0%	50.2	50.2	0.0	0.0%
66.3%	50.2	50.1	-0.1	-0.2%
67.5%	50.2	50.1	0.0	-0.1%
68.8%	50.1	49.9	-0.2	-0.3%
70.0%	49.9	49.8	-0.1	-0.3%
71.3%	49.8	49.8	0.0	-0.1%
72.5%	49.8	49.8	0.0	-0.1%
73.8%	49.7	49.7	0.1	0.1%
75.0%	49.6	49.7	0.1	0.2%
76.3%	49.6	49.7	0.1	0.2%
77.5%	49.5	49.6	0.1	0.2%
78.8%	49.5	49.6	0.1	0.2%
80.0%	49.5	49.6	0.1	0.2%
81.3%	49.4	49.6	0.2	0.4%
82.5%	49.4	49.5	0.1	0.3%
83.8%	49.3	49.5	0.2	0.4%
85.0%	49.2	49.4	0.2	0.5%
86.3%	49.1	49.4	0.3	0.7%
87.5%	48.9	49.3	0.5	1.0%
88.8%	48.8	49.1	0.3	0.6%
90.0%	48.5	48.9	0.4	0.7%
91.3%	48.5	48.8	0.3	0.7%
92.5%	48.5	48.6	0.1	0.2%
93.8%	48.4	48.5	0.0	0.0%
95.0%	48.4	48.4	0.0	0.0%
96.3%	48.2	48.0	-0.1	-0.3%
97.5%	48.0	47.7	-0.3	-0.6%
98.8%	46.3	47.1	0.8	1.6%
100.0%	46.2	46.7	0.5	1.1%

January

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative C Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	50.6	50.7	0.0	0.1%
1.3%	50.0	50.1	0.1	0.1%
2.5%	49.5	49.5	0.1	0.2%
3.8%	49.3	49.3	0.0	0.1%
5.0%	49.2	49.3	0.0	0.1%
6.3%	49.2	49.2	0.0	-0.1%
7.5%	49.1	49.1	0.0	0.0%
8.8%	49.1	49.1	0.0	0.0%
10.0%	49.0	49.0	0.0	0.0%
11.3%	49.0	49.0	0.0	-0.1%
12.5%	49.0	49.0	0.0	0.0%
13.8%	48.8	48.8	0.0	0.0%
15.0%	48.7	48.8	0.1	0.2%
16.3%	48.7	48.8	0.1	0.2%
17.5%	48.5	48.7	0.2	0.3%
18.8%	48.5	48.6	0.1	0.1%
20.0%	48.5	48.6	0.1	0.2%
21.3%	48.4	48.5	0.2	0.3%
22.5%	48.4	48.5	0.2	0.3%
23.8%	48.3	48.5	0.2	0.4%
25.0%	48.2	48.3	0.1	0.2%
26.3%	48.2	48.2	0.0	0.1%
27.5%	48.2	48.2	0.0	0.1%
28.8%	48.1	48.2	0.0	0.1%
30.0%	48.1	48.1	0.0	0.1%
31.3%	48.1	48.1	0.1	0.1%
32.5%	48.0	48.1	0.0	0.1%
33.8%	48.0	48.1	0.0	0.1%
35.0%	48.0	48.0	0.0	0.0%
36.3%	48.0	48.0	0.0	0.0%
37.5%	47.9	47.9	0.0	-0.1%
38.8%	47.9	47.8	0.0	0.0%
40.0%	47.8	47.8	0.0	0.0%
41.3%	47.8	47.8	0.0	0.0%
42.5%	47.7	47.8	0.0	0.0%
43.8%	47.5	47.6	0.1	0.1%
45.0%	47.5	47.6	0.1	0.1%
46.3%	47.4	47.5	0.1	0.3%
47.5%	47.3	47.5	0.2	0.4%
48.8%	47.3	47.3	0.0	0.1%
50.0%	47.3	47.3	0.0	0.1%
51.3%	47.3	47.3	0.0	0.0%
52.5%	47.3	47.3	0.0	0.1%
53.8%	47.2	47.3	0.0	0.0%
55.0%	47.2	47.2	0.0	0.0%
56.3%	47.2	47.2	-0.1	-0.1%
57.5%	47.2	47.2	0.0	0.0%
58.8%	47.2	47.1	-0.1	-0.2%
60.0%	47.1	47.0	-0.1	-0.2%
61.3%	47.0	47.0	0.0	0.0%
62.5%	47.0	47.0	0.0	-0.1%
63.8%	47.0	47.0	0.0	0.0%
65.0%	47.0	46.9	0.0	-0.1%
66.3%	46.9	46.9	0.0	0.1%
67.5%	46.9	46.9	0.1	0.1%
68.8%	46.8	46.9	0.0	0.1%
70.0%	46.8	46.9	0.0	0.1%
71.3%	46.7	46.9	0.2	0.3%
72.5%	46.6	46.8	0.2	0.3%
73.8%	46.5	46.8	0.2	0.4%
75.0%	46.5	46.7	0.2	0.3%
76.3%	46.3	46.6	0.3	0.6%
77.5%	46.3	46.5	0.3	0.5%
78.8%	46.2	46.5	0.3	0.6%
80.0%	46.2	46.4	0.2	0.3%
81.3%	46.1	46.3	0.2	0.4%
82.5%	46.1	46.3	0.2	0.3%
83.8%	46.1	46.3	0.1	0.3%
85.0%	46.1	46.3	0.2	0.3%
86.3%	46.0	46.2	0.3	0.5%
87.5%	46.0	46.2	0.2	0.5%
88.8%	45.9	45.9	0.0	0.0%
90.0%	45.9	45.9	0.0	0.0%
91.3%	45.6	45.8	0.2	0.4%
92.5%	45.6	45.7	0.1	0.2%
93.8%	45.5	45.5	0.0	0.1%
95.0%	45.4	45.5	0.0	0.1%
96.3%	45.3	45.4	0.2	0.4%
97.5%	45.2	45.4	0.2	0.4%
98.8%	45.1	45.3	0.1	0.2%
100.0%	44.6	44.3	-0.3	-0.6%

Table SQ-**41**-3b
American River at the Mouth, Monthly Temperature
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative C Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	52.7	52.6	-0.1	-0.1%
1.3%	52.4	52.3	-0.1	-0.2%
2.5%	52.2	52.3	0.0	0.0%
3.8%	52.1	52.1	0.0	0.0%
5.0%	52.1	52.1	0.0	0.0%
6.3%	51.8	52.0	0.2	0.4%
7.5%	51.7	51.8	0.1	0.3%
8.8%	51.6	51.8	0.2	0.4%
10.0%	51.5	51.7	0.2	0.4%
11.3%	51.5	51.7	0.2	0.4%
12.5%	51.4	51.5	0.2	0.3%
13.8%	51.3	51.5	0.2	0.5%
15.0%	51.2	51.5	0.3	0.5%
16.3%	51.2	51.4	0.2	0.4%
17.5%	51.2	51.3	0.1	0.2%
18.8%	51.2	51.2	0.0	0.1%
20.0%	51.2	51.2	0.0	0.0%
21.3%	51.1	51.1	0.0	-0.1%
22.5%	50.8	51.0	0.3	0.5%
23.8%	50.6	50.7	0.1	0.2%
25.0%	50.5	50.6	0.1	0.1%
26.3%	50.5	50.6	0.1	0.2%
27.5%	50.5	50.5	0.0	0.1%
28.8%	50.5	50.5	0.0	0.1%
30.0%	50.4	50.5	0.1	0.1%
31.3%	50.4	50.5	0.1	0.2%
32.5%	50.3	50.4	0.1	0.2%
33.8%	50.3	50.4	0.1	0.2%
35.0%	50.3	50.4	0.1	0.2%
36.3%	50.3	50.3	0.1	0.1%
37.5%	50.2	50.3	0.0	0.1%
38.8%	50.2	50.3	0.0	0.1%
40.0%	50.2	50.2	0.0	0.1%
41.3%	50.2	50.2	0.0	0.0%
42.5%	50.2	50.2	0.0	0.0%
43.8%	50.2	50.2	0.0	0.0%
45.0%	50.1	50.1	0.0	0.0%
46.3%	50.1	50.0	-0.1	-0.3%
47.5%	50.0	49.8	-0.2	-0.5%
48.8%	50.0	49.8	-0.2	-0.4%
50.0%	49.9	49.8	-0.1	-0.2%
51.3%	49.8	49.8	0.0	0.0%
52.5%	49.8	49.7	-0.1	-0.2%
53.8%	49.8	49.7	-0.1	-0.3%
55.0%	49.8	49.7	-0.1	-0.2%
56.3%	49.7	49.6	-0.1	-0.2%
57.5%	49.6	49.5	-0.1	-0.2%
58.8%	49.5	49.4	-0.1	-0.2%
60.0%	49.5	49.4	-0.1	-0.2%
61.3%	49.4	49.3	0.0	-0.1%
62.5%	49.3	49.3	0.0	0.1%
63.8%	49.2	49.3	0.1	0.2%
65.0%	49.1	49.2	0.1	0.2%
66.3%	49.0	49.1	0.1	0.1%
67.5%	49.0	49.0	0.1	0.1%
68.8%	48.9	49.0	0.1	0.1%
70.0%	48.9	48.9	0.0	0.1%
71.3%	48.8	48.9	0.0	0.1%
72.5%	48.7	48.8	0.2	0.3%
73.8%	48.7	48.8	0.1	0.3%
75.0%	48.6	48.8	0.1	0.3%
76.3%	48.6	48.6	0.0	0.1%
77.5%	48.5	48.5	0.0	0.0%
78.8%	48.3	48.3	0.0	0.1%
80.0%	48.3	48.3	0.0	0.0%
81.3%	48.3	48.3	0.0	0.1%
82.5%	48.2	48.2	0.0	0.0%
83.8%	48.2	48.2	0.0	0.0%
85.0%	48.1	48.2	0.1	0.1%
86.3%	48.1	48.1	0.0	0.0%
87.5%	48.0	48.0	0.0	0.1%
88.8%	47.8	48.0	0.2	0.4%
90.0%	47.8	47.8	0.0	0.0%
91.3%	47.4	47.4	0.0	0.0%
92.5%	47.4	47.3	-0.1	-0.2%
93.8%	47.2	47.3	0.0	0.1%
95.0%	47.2	47.3	0.1	0.1%
96.3%	47.1	46.7	-0.4	-0.8%
97.5%	46.8	46.7	-0.1	-0.3%
98.8%	46.6	46.6	0.0	0.1%
100.0%	46.3	46.5	0.3	0.6%

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative C Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	57.9	58.9	1.0	1.7%
1.3%	57.8	58.1	0.3	0.5%
2.5%	57.6	57.9	0.3	0.6%
3.8%	57.2	57.1	-0.1	-0.1%
5.0%	56.9	57.0	0.1	0.2%
6.3%	56.7	56.5	-0.1	-0.2%
7.5%	56.6	56.2	-0.4	-0.7%
8.8%	56.4	56.1	-0.3	-0.5%
10.0%	55.9	56.0	0.1	0.1%
11.3%	55.8	56.0	0.1	0.2%
12.5%	55.8	55.8	-0.1	-0.1%
13.8%	55.6	55.7	0.1	0.1%
15.0%	55.4	55.7	0.2	0.4%
16.3%	55.4	55.6	0.2	0.3%
17.5%	55.4	55.5	0.1	0.3%
18.8%	55.3	55.3	0.1	0.1%
20.0%	55.2	55.3	0.1	0.1%
21.3%	55.2	55.3	0.1	0.1%
22.5%	55.1	55.1	0.0	0.1%
23.8%	55.0	55.1	0.0	0.1%
25.0%	54.9	55.0	0.1	0.2%
26.3%	54.9	54.9	0.0	-0.1%
27.5%	54.9	54.9	0.0	0.0%
28.8%	54.9	54.8	-0.1	-0.1%
30.0%	54.9	54.8	-0.1	-0.1%
31.3%	54.8	54.8	-0.1	-0.1%
32.5%	54.8	54.7	0.0	-0.1%
33.8%	54.8	54.6	-0.2	-0.3%
35.0%	54.7	54.6	-0.1	-0.2%
36.3%	54.6	54.5	-0.1	-0.1%
37.5%	54.5	54.5	0.0	-0.1%
38.8%	54.5	54.4	-0.1	-0.2%
40.0%	54.5	54.2	-0.3	-0.5%
41.3%	54.3	54.2	-0.1	-0.2%
42.5%	54.1	54.2	0.1	0.1%
43.8%	53.9	54.1	0.3	0.5%
45.0%	53.8	54.1	0.3	0.5%
46.3%	53.8	54.1	0.4	0.7%
47.5%	53.7	54.0	0.3	0.5%
48.8%	53.7	53.8	0.1	0.2%
50.0%	53.7	53.8	0.1	0.2%
51.3%	53.7	53.7	0.0	0.1%
52.5%	53.6	53.7	0.1	0.2%
53.8%	53.6	53.6	0.0	0.0%
55.0%	53.6	53.5	0.0	-0.1%
56.3%	53.5	53.5	0.0	0.0%
57.5%	53.5	53.5	0.0	-0.1%
58.8%	53.5	53.5	0.0	0.0%
60.0%	53.5	53.5	0.0	0.0%
61.3%	53.4	53.5	0.1	0.1%
62.5%	53.2	53.5	0.2	0.4%
63.8%	53.2	53.4	0.2	0.4%
65.0%	53.1	53.3	0.2	0.3%
66.3%	53.1	53.2	0.1	0.2%
67.5%	52.9	53.1	0.2	0.5%
68.8%	52.9	53.1	0.2	0.5%
70.0%	52.8	53.1	0.3	0.5%
71.3%	52.8	53.1	0.3	0.5%
72.5%	52.8	53.0	0.2	0.5%
73.8%	52.7	52.9	0.2	0.4%
75.0%	52.7	52.8	0.1	0.2%
76.3%	52.7	52.8	0.1	0.2%
77.5%	52.6	52.7	0.1	0.2%
78.8%	52.6	52.7	0.0	0.1%
80.0%	52.6	52.5	-0.1	-0.2%
81.3%	52.4	52.4	0.0	0.0%
82.5%	52.4	52.4	0.0	0.0%
83.8%	52.3	52.4	0.1	0.1%
85.0%	52.2	52.3	0.1	0.2%
86.3%	52.1	52.2	0.1	0.1%
87.5%	52.1	52.0	-0.1	-0.2%
88.8%	51.9	51.9	0.0	0.0%
90.0%	51.8	51.5	-0.3	-0.5%
91.3%	51.5	51.5	0.0	-0.1%
92.5%	51.5	51.5	0.0	0.0%
93.8%	51.5	51.3	-0.2	-0.3%
95.0%	51.2	51.3	0.0	0.1%
96.3%	51.2	51.2	0.0	0.0%
97.5%	50.9	51.1	0.2	0.4%
98.8%	50.8	50.9	0.0	0.1%
100.0%	50.5	50.5	0.0	0.0%

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative C Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	64.4	65.3	0.9	1.3%
1.3%	64.0	62.7	-1.3	-2.1%
2.5%	61.4	61.5	0.1	0.1%
3.8%	61.3	61.2	-0.1	-0.1%
5.0%	61.2	61.2	0.0	0.0%
6.3%	60.9	60.8	-0.1	-0.2%
7.5%	60.3	60.5	0.2	0.3%
8.8%	60.1	60.5	0.4	0.6%
10.0%	59.8	60.3	0.5	0.8%
11.3%	59.8	60.3	0.5	0.8%
12.5%	59.6	60.1	0.5	0.8%
13.8%	59.6	59.8	0.3	0.4%
15.0%	59.5	59.8	0.3	0.5%
16.3%	59.5	59.8	0.3	0.5%
17.5%	59.5	59.6	0.2	0.3%
18.8%	59.5	59.6	0.1	0.2%
20.0%	59.4	59.5	0.1	0.2%
21.3%	59.3	59.5	0.1	0.3%
22.5%	59.3	59.4	0.2	0.3%
23.8%	59.0	59.4	0.4	0.7%
25.0%	58.9	59.2	0.3	0.5%
26.3%	58.9	59.1	0.2	0.4%
27.5%	58.8	59.0	0.2	0.3%
28.8%	58.8	59.0	0.2	0.4%
30.0%	58.8	59.0	0.2	0.4%
31.3%	58.6	58.9	0.3	0.6%
32.5%	58.5	58.8	0.3	0.5%
33.8%	58.4	58.5	0.1	0.2%
35.0%	58.4	58.5	0.1	0.2%
36.3%	58.1	58.4	0.3	0.5%
37.5%	58.1	58.3	0.2	0.4%
38.8%	57.9	58.2	0.3	0.5%
40.0%	57.8	58.0	0.2	0.3%
41.3%	57.8	57.9	0.2	0.3%
42.5%	57.5	57.9	0.4	0.6%
43.8%	57.5	57.9	0.4	0.6%
45.0%	57.5	57.8	0.3	0.5%
46.3%	57.5	57.8	0.3	0.6%
47.5%	57.4	57.5	0.0	0.1%
48.8%	57.4	57.5	0.1	0.1%
50.0%	57.3	57.4	0.1	0.1%
51.3%	57.3	57.4	0.1	0.2%
52.5%	57.2	57.3	0.2	0.3%
53.8%	57.1	57.3	0.2	0.4%
55.0%	57.1	57.3	0.3	0.4%
56.3%	57.0	57.3	0.3	0.5%
57.5%	57.0	57.2	0.2	0.4%
58.8%	57.0	57.1	0.1	0.2%
60.0%	56.8	56.9	0.1	0.3%
61.3%	56.7	56.9	0.1	0.2%
62.5%	56.7	56.8	0.0	0.1%
63.8%	56.7	56.8	0.1	0.2%
65.0%	56.6	56.7	0.1	0.2%
66.3%	56.6	56.6	0.0	0.0%
67.5%	56.6	56.5	0.0	0.0%
68.8%	56.5	56.5	0.1	0.1%
70.0%	56.4	56.5	0.1	0.1%
71.3%	56.3	56.4	0.1	0.2%
72.5%	56.3	56.3	0.0	0.1%
73.8%	56.3	56.3	0.0	0.0%
75.0%	56.2	56.2	0.0	0.0%
76.3%	56.1	56.1	0.0	0.0%
77.5%	56.0	56.1	0.1	0.2%
78.8%	56.0	56.1	0.1	0.2%
80.0%	55.9	55.9	0.0	0.1%
81.3%	55.8	55.9	0.0	0.1%
82.5%	55.7	55.7	0.0	0.0%
83.8%	55.7	55.7	0.0	0.0%
85.0%	55.5	55.5	0.0	0.0%
86.3%	55.2	55.4	0.2	0.4%
87.5%	55.2	55.2	0.1	0.1%
88.8%	55.1	55.2	0.0	0.1%
90.0%	55.1	55.1	0.1	0.1%
91.3%	55.0	55.0	-0.1	-0.1%
92.5%	55.0	54.9	-0.1	-0.2%
93.8%	54.7	54.8	0.1	0.3%
95.0%	54.6	54.5	-0.1	-0.2%
96.3%	54.4	54.3	-0.1	-0.2%
97.5%	54.4	54.3	-0.1	-0.3%
98.8%	54.3	54.0	-0.3	-0.6%
100.0%	53.8	53.8	0.0	-0.1%

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative C Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	71.5	70.0	-1.5	-2.1%
1.3%	71.3	69.2	-2.1	-2.9%
2.5%	69.7	68.0	-1.7	-2.4%
3.8%	67.2	68.0	0.8	1.2%
5.0%	66.0	66.4	0.4	0.6%
6.3%	65.7	65.9	0.3	0.4%
7.5%	65.4	64.9	-0.4	-0.7%
8.8%	65.1	64.9	-0.2	-0.2%
10.0%	64.9	64.7	-0.2	-0.4%
11.3%	64.3	64.6	0.3	0.5%
12.5%	64.3	64.6	0.3	0.5%
13.8%	64.0	64.5	0.5	0.8%
15.0%	63.8	64.4	0.6	1.0%
16.3%	63.6	63.9	0.3	0.4%
17.5%	63.5	63.8	0.3	0.6%
18.8%	63.5	63.7	0.3	0.4%
20.0%	63.2	63.5	0.4	0.6%
21.3%	63.0	63.3	0.3	0.4%
22.5%	63.0	63.3	0.2	0.4%
23.8%	62.9	63.1	0.1	0.2%
25.0%	62.9	62.9	0.0	0.1%
26.3%	62.7	62.7	0.0	0.0%
27.5%	62.7	62.7	0.0	0.0%
28.8%	62.6	62.6	0.0	0.0%
30.0%	62.4	62.3	-0.1	-0.1%
31.3%	62.4	62.3	-0.1	-0.1%
32.5%	62.4	62.2	-0.1	-0.2%
33.8%	62.1	62.1	0.1	0.1%
35.0%	62.1	62.1	0.0	0.0%
36.3%	61.8	61.8	0.0	-0.1%
37.5%	61.8	61.5	-0.2	-0.4%
38.8%	61.4	61.5	0.1	0.1%
40.0%	60.9	61.1	0.2	0.3%
41.3%	60.7	60.6	-0.1	-0.2%
42.5%	60.6	60.2	-0.4	-0.7%
43.8%	60.3	60.2	-0.2	-0.3%
45.0%	60.1	60.1	0.0	0.0%
46.3%	60.1	60.1	0.0	0.0%
47.5%	60.1	60.1	0.0	0.0%
48.8%	60.0	60.0	0.0	0.0%
50.0%	59.8	59.9	0.1	0.3%
51.3%	59.7	59.8	0.1	0.2%
52.5%	59.7	59.8	0.1	0.1%
53.8%	59.7	59.6	-0.1	-0.2%
55.0%	59.4	59.4	0.0	0.0%
56.3%	59.2	59.4	0.1	0.2%
57.5%	59.2	59.3	0.1	0.2%
58.8%	59.1	59.2	0.0	0.1%
60.0%	59.0	59.0	0.0	0.0%
61.3%	58.9	59.0	0.1	0.2%
62.5%	58.8	58.9	0.1	0.2%
63.8%	58.8	58.8	0.0	0.0%
65.0%	58.7	58.8	0.0	0.0%
66.3%	58.7	58.7	0.0	0.0%
67.5%	58.7	58.7	0.0	0.0%
68.8%	58.4	58.6	0.2	0.3%
70.0%	58.4	58.6	0.2	0.4%
71.3%	58.3	58.5	0.2	0.3%
72.5%	58.3	58.5	0.1	0.2%
73.8%	58.3	58.5	0.2	0.3%
75.0%	58.1	58.3	0.2	0.4%
76.3%	58.1	58.2	0.1	0.1%
77.5%	58.1	58.2	0.0	0.1%
78.8%	58.1	58.1	0.1	0.1%
80.0%	58.1	58.1	0.0	0.1%
81.3%	58.0	58.1	0.1	0.2%
82.5%	57.9	58.1	0.2	0.4%
83.8%	57.8	58.0	0.2	0.3%
85.0%	57.8	57.9	0.2	0.3%
86.3%	57.6	57.7	0.1	0.2%
87.5%	57.6	57.7	0.1	0.2%
88.8%	57.2	57.6	0.4	0.7%
90.0%	57.1	57.5	0.4	0.8%
91.3%	57.0	57.2	0.2	0.4%
92.5%	57.0	57.1	0.1	0.2%
93.8%	56.7	56.8	0.0	0.1%
95.0%	56.7	56.7	0.0	0.0%
96.3%	56.4	56.4	0.0	0.0%
97.5%	56.3	56.1	-0.2	-0.4%
98.8%	56.2	55.6	-0.6	-1.0%
100.0%	55.4	55.3	-0.1	-0.1%

Table SQ-41-3b
American River at the Mouth, Monthly Temperature
Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative C Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	76.0	75.3	-0.7	-1.0%
1.3%	73.8	74.2	0.4	0.5%
2.5%	73.1	72.5	-0.6	-0.9%
3.8%	72.0	70.5	-1.5	-2.1%
5.0%	70.5	69.3	-1.2	-1.7%
6.3%	67.3	68.4	1.1	1.6%
7.5%	67.1	67.8	0.7	1.1%
8.8%	67.1	67.0	-0.1	-0.1%
10.0%	67.1	67.0	-0.1	-0.1%
11.3%	66.9	67.0	0.1	0.2%
12.5%	66.9	66.8	-0.1	-0.1%
13.8%	66.8	66.8	0.0	-0.1%
15.0%	66.7	66.7	0.0	0.0%
16.3%	66.5	66.5	0.0	0.0%
17.5%	66.4	66.5	0.1	0.2%
18.8%	66.3	66.5	0.1	0.2%
20.0%	66.3	66.4	0.1	0.1%
21.3%	66.3	66.4	0.2	0.2%
22.5%	66.0	66.3	0.3	0.5%
23.8%	66.0	66.2	0.2	0.3%
25.0%	65.6	66.0	0.4	0.6%
26.3%	65.4	65.8	0.4	0.6%
27.5%	65.4	65.5	0.1	0.1%
28.8%	65.2	65.5	0.3	0.4%
30.0%	65.2	65.2	0.0	0.0%
31.3%	65.1	64.7	-0.4	-0.7%
32.5%	64.9	64.7	-0.2	-0.3%
33.8%	64.3	64.6	0.3	0.5%
35.0%	64.3	64.2	0.0	-0.1%
36.3%	64.1	64.2	0.1	0.2%
37.5%	64.0	63.8	-0.2	-0.2%
38.8%	63.7	63.8	0.0	0.1%
40.0%	63.7	63.6	-0.1	-0.1%
41.3%	63.5	63.6	0.0	0.1%
42.5%	63.4	63.5	0.1	0.2%
43.8%	63.4	63.5	0.1	0.2%
45.0%	63.3	63.5	0.1	0.2%
46.3%	63.1	63.4	0.3	0.5%
47.5%	63.0	63.3	0.3	0.5%
48.8%	63.0	63.2	0.2	0.4%
50.0%	62.9	63.1	0.3	0.4%
51.3%	62.8	63.1	0.3	0.4%
52.5%	62.7	63.0	0.3	0.5%
53.8%	62.5	62.8	0.2	0.4%
55.0%	62.5	62.7	0.2	0.4%
56.3%	62.5	62.6	0.2	0.3%
57.5%	62.4	62.4	0.0	-0.1%
58.8%	62.3	62.2	0.0	0.0%
60.0%	62.0	62.2	0.2	0.3%
61.3%	62.0	62.2	0.2	0.2%
62.5%	62.0	62.1	0.1	0.2%
63.8%	61.8	62.0	0.2	0.3%
65.0%	61.8	61.9	0.1	0.2%
66.3%	61.7	61.9	0.2	0.3%
67.5%	61.7	61.8	0.1	0.2%
68.8%	61.7	61.8	0.1	0.2%
70.0%	61.7	61.7	0.0	0.0%
71.3%	61.6	61.6	0.0	0.0%
72.5%	61.6	61.5	-0.1	-0.1%
73.8%	61.5	61.5	0.0	0.0%
75.0%	61.5	61.5	0.0	0.0%
76.3%	61.2	61.4	0.2	0.3%
77.5%	61.1	61.3	0.1	0.2%
78.8%	60.9	60.9	0.0	0.0%
80.0%	60.7	60.8	0.1	0.1%
81.3%	60.7	60.7	0.0	0.0%
82.5%	60.7	60.7	0.0	0.0%
83.8%	60.7	60.7	0.0	0.0%
85.0%	60.6	60.6	0.0	0.0%
86.3%	60.6	60.6	0.0	0.1%
87.5%	60.5	60.6	0.1	0.2%
88.8%	60.4	60.5	0.1	0.1%
90.0%	60.2	60.5	0.2	0.3%
91.3%	60.2	60.4	0.2	0.4%
92.5%	60.1	60.0	0.0	-0.1%
93.8%	59.5	60.0	0.5	0.8%
95.0%	59.2	59.2	0.0	-0.1%
96.3%	58.8	58.8	0.0	0.0%
97.5%	58.7	58.6	0.0	0.0%
98.8%	58.1	57.8	-0.3	-0.4%
100.0%	57.8	57.8	0.0	0.0%

July

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative C Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	82.2	82.0	-0.2	-0.2%
1.3%	74.9	75.1	0.2	0.3%
2.5%	74.2	75.0	0.8	1.0%
3.8%	73.8	71.9	-1.8	-2.5%
5.0%	72.8	71.3	-1.5	-2.1%
6.3%	71.9	70.9	-1.1	-1.5%
7.5%	70.5	70.8	0.3	0.4%
8.8%	69.9	70.0	0.1	0.2%
10.0%	69.4	69.8	0.4	0.6%
11.3%	69.4	69.6	0.2	0.3%
12.5%	69.3	69.4	0.1	0.2%
13.8%	69.1	69.3	0.2	0.3%
15.0%	68.7	69.1	0.4	0.6%
16.3%	68.6	67.9	-0.7	-1.0%
17.5%	68.3	67.5	-0.8	-1.2%
18.8%	67.9	67.1	-0.9	-1.3%
20.0%	67.9	67.0	-0.8	-1.3%
21.3%	67.8	67.0	-0.8	-1.2%
22.5%	67.0	66.9	-0.2	-0.3%
23.8%	67.0	66.8	-0.2	-0.3%
25.0%	66.8	66.7	-0.1	-0.1%
26.3%	66.7	66.7	0.0	0.0%
27.5%	66.5	66.7	0.2	0.2%
28.8%	66.4	66.3	-0.1	-0.2%
30.0%	66.3	66.2	-0.1	-0.1%
31.3%	66.3	66.2	-0.1	-0.2%
32.5%	66.2	66.2	0.0	0.0%
33.8%	66.2	66.2	0.0	0.0%
35.0%	66.1	66.1	0.0	0.0%
36.3%	66.0	66.1	0.1	0.2%
37.5%	66.0	66.1	0.1	0.2%
38.8%	65.9	66.1	0.1	0.2%
40.0%	65.9	66.1	0.1	0.2%
41.3%	65.8	66.0	0.2	0.3%
42.5%	65.8	66.0	0.2	0.3%
43.8%	65.8	66.0	0.2	0.3%
45.0%	65.8	65.8	0.0	0.1%
46.3%	65.7	65.8	0.1	0.1%
47.5%	65.7	65.8	0.1	0.2%
48.8%	65.6	65.7	0.1	0.2%
50.0%	65.6	65.7	0.1	0.2%
51.3%	65.5	65.6	0.1	0.2%
52.5%	65.5	65.6	0.1	0.2%
53.8%	65.4	65.6	0.1	0.2%
55.0%	65.4	65.5	0.1	0.2%
56.3%	65.4	65.5	0.1	0.1%
57.5%	65.4	65.5	0.1	0.1%
58.8%	65.4	65.5	0.1	0.1%
60.0%	65.3	65.4	0.1	0.1%
61.3%	65.3	65.4	0.1	0.2%
62.5%	65.2	65.4	0.2	0.3%
63.8%	65.2	65.3	0.2	0.3%
65.0%	65.2	65.3	0.2	0.2%
66.3%	65.1	65.2	0.1	0.2%
67.5%	65.1	65.2	0.1	0.1%
68.8%	65.0	65.1	0.1	0.2%
70.0%	65.0	65.1	0.1	0.2%
71.3%	65.0	65.1	0.1	0.2%
72.5%	65.0	65.1	0.1	0.1%
73.8%	65.0	65.1	0.1	0.2%
75.0%	64.9	65.1	0.2	0.3%
76.3%	64.7	65.1	0.3	0.5%
77.5%	64.7	64.9	0.2	0.3%
78.8%	64.6	64.6	0.0	0.0%
80.0%	64.6	64.6	0.0	-0.1%
81.3%	64.6	64.5	-0.1	-0.1%
82.5%	64.6	64.5	-0.1	-0.1%
83.8%	64.6	64.5	-0.1	-0.1%
85.0%	64.5	64.5	0.0	0.0%
86.3%	64.4	64.4	0.0	0.0%
87.5%	64.3	64.4	0.1	0.2%
88.8%	64.2	64.4	0.2	0.3%
90.0%	64.2	64.3	0.2	0.3%
91.3%	64.1	64.3	0.2	0.2%
92.5%	64.1	64.1	0.0	-0.1%
93.8%	64.0	64.0	0.0	0.0%
95.0%	63.6	63.5	-0.1	-0.1%
96.3%	63.4	63.4	0.0	0.0%
97.5%	63.0	62.9	-0.1	-0.2%
98.8%	61.9	61.9	0.0	0.0%
100.0%	61.7	61.5	-0.2	-0.3%

August

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative C Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	82.7	80.8	-1.9	-2.3%
1.3%	78.1	75.2	-2.9	-3.8%
2.5%	75.5	74.0	-1.5	-2.0%
3.8%	74.5	72.2	-2.3	-3.1%
5.0%	73.6	71.8	-1.8	-2.4%
6.3%	73.2	70.9	-2.3	-3.2%
7.5%	71.6	70.7	-0.9	-1.3%
8.8%	71.0	70.7	-0.3	-0.4%
10.0%	70.6	70.3	-0.2	-0.3%
11.3%	70.4	70.3	-0.2	-0.2%
12.5%	70.1	70.0	-0.2	-0.2%
13.8%	69.9	69.8	-0.1	-0.1%
15.0%	69.8	69.7	-0.1	-0.1%
16.3%	69.6	69.7	0.1	0.1%
17.5%	69.5	69.7	0.2	0.2%
18.8%	69.5	69.5	0.0	0.1%
20.0%	68.9	69.5	0.6	0.9%
21.3%	68.5	69.4	0.9	1.3%
22.5%	68.4	68.4	0.0	0.0%
23.8%	68.3	68.1	-0.2	-0.2%
25.0%	68.3	67.7	-0.5	-0.8%
26.3%	68.0	67.6	-0.4	-0.6%
27.5%	67.9	67.6	-0.3	-0.5%
28.8%	67.7	67.4	-0.2	-0.3%
30.0%	67.6	67.4	-0.1	-0.2%
31.3%	67.5	67.4	-0.1	-0.2%
32.5%	67.5	67.4	-0.1	-0.1%
33.8%	67.5	67.4	-0.1	-0.1%
35.0%	67.4	67.4	0.0	0.0%
36.3%	67.4	67.4	0.0	0.0%
37.5%	67.4	67.4	0.0	0.0%
38.8%	67.3	67.3	0.0	0.0%
40.0%	67.3	67.3	0.0	-0.1%
41.3%	67.3	67.2	-0.1	-0.1%
42.5%	67.3	67.2	-0.1	-0.1%
43.8%	67.3	67.2	-0.1	-0.1%
45.0%	67.3	67.2	-0.1	-0.1%
46.3%	67.3	67.2	-0.1	-0.1%
47.5%	67.2	67.2	-0.1	-0.1%
48.8%	67.2	67.1	-0.1	-0.1%
50.0%	67.2	67.1	-0.1	-0.1%
51.3%	67.2	67.0	-0.1	-0.2%
52.5%	67.1	67.0	-0.1	-0.2%
53.8%	67.1	67.0	-0.2	-0.2%
55.0%	67.1	66.9	-0.2	-0.3%
56.3%	67.0	66.9	-0.1	-0.1%
57.5%	66.9	66.8	-0.1	-0.1%
58.8%	66.9	66.8	-0.1	-0.1%
60.0%	66.8	66.8	0.0	0.0%
61.3%	66.7	66.8	0.1	0.1%
62.5%	66.7	66.8	0.1	0.1%
63.8%	66.7	66.8	0.1	0.1%
65.0%	66.7	66.6	-0.1	-0.1%
66.3%	66.6	66.6	0.0	-0.1%
67.5%	66.6	66.5	-0.1	-0.1%
68.8%	66.5	66.5	-0.1	-0.1%
70.0%	66.5	66.5	-0.1	-0.1%
71.3%	66.5	66.4	0.0	0.0%
72.5%	66.4	66.4	-0.1	-0.1%
73.8%	66.4	66.3	-0.1	-0.1%
75.0%	66.4	66.2	-0.2	-0.3%
76.3%	66.3	66.0	-0.3	-0.5%
77.5%	66.3	65.9	-0.3	-0.5%
78.8%	66.2	65.8	-0.4	-0.6%
80.0%	66.0	65.8	-0.2	-0.3%
81.3%	65.8	65.6	-0.3	-0.4%
82.5%	65.6	65.6	0.0	0.0%
83.8%	65.6	65.5	-0.1	-0.1%
85.0%	65.6	65.4	-0.1	-0.2%
86.3%	65.5	65.4	-0.1	-0.2%
87.5%	65.4	65.4	-0.1	-0.1%
88.8%	65.3	65.3	0.1	0.1%
90.0%	65.3	65.3	0.0	0.1%
91.3%	65.1	65.2	0.1	0.1%
92.5%	65.1	65.2	0.1	0.1%
93.8%	65.1	65.1	0.1	0.1%
95.0%	65.0	65.1	0.0	0.0%
96.3%	64.9	64.9	0.0	0.0%
97.5%	64.9	64.8	-0.1	-0.1%
98.8%	64.9	64.8	-0.1	-0.2%
100.0%	64.7	64.7	0.0	0.0%

September

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative C Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	76.5	75.4	-1.1	-1.4%
1.3%	75.6	71.9	-3.7	-4.9%
2.5%	74.6	71.8	-2.7	-3.7%
3.8%	72.7	71.4	-1.3	-1.8%
5.0%	71.5	70.5	-1.0	-1.4%
6.3%	70.5	70.5	0.0	-0.1%
7.5%	70.4	70.1	-0.3	-0.5%
8.8%	70.3	70.0	-0.2	-0.3%
10.0%	70.3	69.3	-0.9	-1.3%
11.3%	69.6	69.3	-0.3	-0.5%
12.5%	69.4	69.2	-0.2	-0.2%
13.8%	69.4	69.2	-0.2	-0.2%
15.0%	69.3	69.2	-0.1	-0.1%
16.3%	68.4	69.0	0.6	0.9%
17.5%	68.0	68.8	0.9	1.3%
18.8%	67.9	68.8	0.8	1.2%
20.0%	67.9	68.6	0.7	1.0%
21.3%	67.6	67.9	0.3	0.4%
22.5%	67.5	67.5	0.0	0.0%
23.8%	67.2	67.2	0.0	-0.1%
25.0%	67.2	66.8	-0.4	-0.6%
26.3%	67.1	66.7	-0.4	-0.6%
27.5%	66.8	66.6	-0.2	-0.3%
28.8%	66.8	66.5	-0.3	-0.4%
30.0%	66.6	66.5	-0.1	-0.2%
31.3%	66.6	66.5	-0.1	-0.2%
32.5%	66.6	66.4	-0.2	-0.3%
33.8%	66.3	66.3	0.1	0.1%
35.0%	66.3	66.3	0.1	0.1%
36.3%	66.3	66.3	0.0	0.0%
37.5%	66.2	66.2	0.0	0.1%
38.8%	66.2	66.2	0.1	0.1%
40.0%	66.1	66.2	0.1	0.2%
41.3%	66.0	66.1	0.2	0.2%
42.5%	66.0	66.1	0.2	0.3%
43.8%	65.9	66.1	0.2	0.3%
45.0%	65.9	66.1	0.2	0.2%
46.3%	65.9	66.1	0.2	0.3%
47.5%	65.9	66.1	0.2	0.3%
48.8%	65.8	66.0	0.2	0.2%
50.0%	65.8	65.9	0.1	0.2%
51.3%	65.7	65.9	0.2	0.3%
52.5%	65.7	65.8	0.1	0.2%
53.8%	65.7	65.8	0.1	0.2%
55.0%	65.7	65.8	0.1	0.2%
56.3%	65.6	65.8	0.1	0.2%
57.5%	65.6	65.7	0.1	0.1%
58.8%	65.5	65.6	0.1	0.2%
60.0%	65.5	65.6	0.1	0.1%
61.3%	65.5	65.5	0.0	0.0%
62.5%	65.5	65.4	0.0	-0.1%
63.8%	65.4	65.4	0.0	-0.1%
65.0%	65.4	65.3	-0.2	-0.2%
66.3%	65.3	65.1	-0.2	-0.3%
67.5%	65.2	65.0	-0.2	-0.4%
68.8%	65.1	64.9	-0.2	-0.3%
70.0%	64.9	64.9	0.0	0.0%
71.3%	64.8	64.8	0.0	0.0%
72.5%	64.7	64.6	-0.1	-0.2%
73.8%	64.7	64.6	-0.1	-0.1%
75.0%	64.6	64.6	-0.1	-0.1%
76.3%	64.6	64.5	-0.1	-0.1%
77.5%	64.5	64.5	-0.1	-0.1%
78.8%	64.5	64.4	-0.2	-0.2%
80.0%	64.4	64.3	-0.1	-0.1%
81.3%	64.4	64.3	-0.1	-0.1%
82.5%	64.3	64.3	0.0	0.0%
83.8%	64.2	64.2	0.0	0.0%
85.0%	64.2	64.2	0.0	0.0%
86.3%	64.2	64.2	0.0	0.0%
87.5%	64.2	64.2	0.0	0.0%
88.8%	64.2	64.1	-0.1	-0.1%
90.0%	64.2	64.1	0.0	-0.1%
91.3%	64.1	64.1	0.0	0.0%
92.5%	64.0	64.0	0.0	0.0%
93.8%	63.8	64.0	0.1	0.2%
95.0%	63.8	64.0	0.1	0.2%
96.3%	63.8	64.0	0.2	0.3%
97.5%	63.8	63.8	0.0	0.0%
98.8%	63.8	63.8	0.0	0.1%
100.0%	63.5	63.7	0.2	0.3%

American River below Nimbus Dam, Monthly Temperature
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
						Monthly Temperature (DEG-F)						
Long-term												
Full Simulation Period[1]												
No Action Alternative	61.0	56.9	51.2	47.4	48.1	50.7	53.6	55.7	58.3	61.3	62.3	62.3
Alternative D	60.7	56.9	51.4	47.5	48.2	50.7	53.7	55.7	58.5	61.1	62.0	62.1
Difference	-0.3	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.1	-0.1	-0.3	-0.2
Percent Difference[3]	-0.5%	0.0%	0.2%	0.1%	0.1%	0.1%	0.2%	0.1%	0.2%	-0.2%	-0.5%	-0.3%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	59.6	56.5	51.8	47.4	48.1	50.0	52.5	53.6	56.1	59.2	60.7	61.0
Alternative D	59.3	56.5	51.9	47.4	48.1	50.0	52.5	53.6	56.1	59.2	60.7	60.9
Difference	-0.4	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Percent Difference	-0.6%	-0.1%	0.2%	0.1%	0.0%	0.0%	0.0%	-0.1%	0.0%	0.0%	-0.1%	-0.1%
Above Normal (15%)												
No Action Alternative	60.0	56.4	50.8	47.6	47.8	50.1	52.8	54.4	57.1	60.3	61.1	60.9
Alternative D	59.7	56.5	51.0	47.7	47.8	50.2	53.0	54.5	57.2	60.1	60.8	60.8
Difference	-0.3	0.1	0.2	0.1	0.0	0.1	0.1	0.1	0.1	-0.2	-0.3	-0.1
Percent Difference	-0.5%	0.1%	0.4%	0.1%	0.1%	0.2%	0.2%	0.1%	0.2%	-0.4%	-0.6%	-0.2%
Below Normal (17%)												
No Action Alternative	60.5	57.0	51.5	47.3	47.5	50.6	53.5	55.2	57.8	60.9	61.2	60.9
Alternative D	60.3	56.9	51.5	47.3	47.5	50.6	53.5	55.2	57.9	60.6	61.1	60.9
Difference	-0.1	-0.1	0.1	0.0	0.0	0.0	-0.1	0.0	0.0	-0.3	-0.2	0.0
Percent Difference	-0.2%	-0.1%	0.2%	0.1%	0.0%	0.0%	-0.1%	0.0%	0.1%	-0.6%	-0.3%	0.1%
Dry (22%)												
No Action Alternative	62.1	57.3	51.3	47.5	48.5	51.0	54.2	56.9	59.4	61.8	62.7	62.7
Alternative D	61.7	57.3	51.4	47.7	48.5	51.2	54.5	57.4	60.0	61.5	62.3	62.3
Difference	-0.3	0.0	0.1	0.1	0.0	0.1	0.3	0.5	0.5	-0.3	-0.3	-0.3
Percent Difference	-0.6%	-0.1%	0.2%	0.3%	0.0%	0.3%	0.5%	1.0%	0.9%	-0.5%	-0.5%	-0.6%
Critical (15%)												
No Action Alternative	64.0	57.8	50.1	47.3	48.8	52.3	55.8	60.0	63.4	66.3	67.5	67.3
Alternative D	63.7	57.8	50.2	47.4	48.9	52.3	56.0	59.6	63.4	66.4	66.7	66.7
Difference	-0.3	0.1	0.1	0.1	0.1	0.0	0.2	-0.4	0.0	0.2	-0.8	-0.6
Percent Difference	-0.4%	0.1%	0.2%	0.3%	0.2%	-0.1%	0.3%	-0.7%	0.0%	0.2%	-1.1%	-0.9%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

American River below Nimbus Dam, Monthly Temperature — Full Simulation Period

American River below Nimbus Dam, Monthly Temperature — Wet Water Year Types (32%)

American River below Nimbus Dam, Monthly Temperature — Above Normal Water Year Types (15%)

American River below Nimbus Dam, Monthly Temperature — Below Normal Water Year Types (17%)

American River below Nimbus Dam, Monthly Temperature — Dry Water Year Types (22%)

American River below Nimbus Dam, Monthly Temperature — Critical Water Year Types (15%)

Figure SQ-39-4b
American River below Nimbus Dam, Monthly Temperature
Probability of Exceedance

October

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	65.8	65.4	-0.4	-0.6%
1.3%	65.5	65.2	-0.4	-0.5%
2.5%	65.2	65.1	-0.1	-0.1%
3.8%	64.5	64.2	-0.3	-0.5%
5.0%	64.0	63.9	-0.1	-0.2%
6.3%	64.0	63.5	-0.4	-0.7%
7.5%	63.9	63.5	-0.4	-0.7%
8.8%	63.7	63.3	-0.4	-0.6%
10.0%	63.4	63.1	-0.3	-0.5%
11.3%	63.3	63.0	-0.3	-0.5%
12.5%	63.2	63.0	-0.1	-0.2%
13.8%	63.1	63.0	-0.1	-0.2%
15.0%	63.1	62.9	-0.1	-0.2%
16.3%	63.1	62.9	-0.1	-0.2%
17.5%	63.0	62.8	-0.2	-0.3%
18.8%	62.9	62.8	-0.1	-0.2%
20.0%	62.9	62.7	-0.2	-0.3%
21.3%	62.8	62.7	-0.1	-0.2%
22.5%	62.8	62.6	-0.2	-0.4%
23.8%	62.7	62.3	-0.3	-0.6%
25.0%	62.6	62.2	-0.4	-0.7%
26.3%	62.6	62.2	-0.5	-0.7%
27.5%	62.4	62.1	-0.3	-0.5%
28.8%	62.3	62.1	-0.2	-0.3%
30.0%	62.3	61.9	-0.4	-0.6%
31.3%	62.3	61.8	-0.5	-0.7%
32.5%	62.1	61.6	-0.5	-0.8%
33.8%	62.0	61.5	-0.5	-0.9%
35.0%	61.9	61.4	-0.5	-0.9%
36.3%	61.8	61.1	-0.7	-1.1%
37.5%	61.8	61.1	-0.7	-1.2%
38.8%	61.8	60.8	-0.9	-1.5%
40.0%	61.5	60.8	-0.8	-1.3%
41.3%	61.5	60.7	-0.7	-1.2%
42.5%	61.4	60.7	-0.6	-1.1%
43.8%	61.2	60.6	-0.6	-1.0%
45.0%	61.2	60.5	-0.6	-1.0%
46.3%	61.0	60.4	-0.5	-0.9%
47.5%	60.8	60.4	-0.4	-0.6%
48.8%	60.7	60.4	-0.3	-0.5%
50.0%	60.6	60.3	-0.3	-0.5%
51.3%	60.6	60.3	-0.3	-0.5%
52.5%	60.6	60.2	-0.3	-0.6%
53.8%	60.6	60.2	-0.4	-0.6%
55.0%	60.4	60.0	-0.4	-0.6%
56.3%	60.3	60.0	-0.3	-0.5%
57.5%	60.3	60.0	-0.3	-0.5%
58.8%	60.0	60.0	0.0	0.0%
60.0%	59.9	59.9	0.0	0.0%
61.3%	59.8	59.9	0.1	0.1%
62.5%	59.8	59.9	0.1	0.2%
63.8%	59.7	59.7	0.0	0.0%
65.0%	59.7	59.5	-0.2	-0.4%
66.3%	59.7	59.5	-0.3	-0.4%
67.5%	59.6	59.5	-0.2	-0.3%
68.8%	59.6	59.4	-0.2	-0.3%
70.0%	59.6	59.4	-0.2	-0.3%
71.3%	59.6	59.4	-0.2	-0.3%
72.5%	59.6	59.4	-0.2	-0.3%
73.8%	59.5	59.3	-0.2	-0.3%
75.0%	59.4	59.3	-0.1	-0.2%
76.3%	59.4	59.2	-0.2	-0.3%
77.5%	59.4	59.2	-0.2	-0.3%
78.8%	59.4	59.0	-0.3	-0.5%
80.0%	59.4	59.0	-0.4	-0.6%
81.3%	59.4	58.9	-0.4	-0.7%
82.5%	59.2	58.9	-0.3	-0.5%
83.8%	59.2	58.8	-0.3	-0.6%
85.0%	59.1	58.8	-0.3	-0.4%
86.3%	59.0	58.8	-0.2	-0.4%
87.5%	59.0	58.8	-0.2	-0.4%
88.8%	58.9	58.7	-0.2	-0.3%
90.0%	58.8	58.7	-0.1	-0.2%
91.3%	58.8	58.5	-0.3	-0.4%
92.5%	58.7	58.5	-0.2	-0.4%
93.8%	58.5	58.4	-0.2	-0.3%
95.0%	58.4	58.3	-0.1	-0.2%
96.3%	58.3	58.3	-0.1	-0.2%
97.5%	58.1	57.6	-0.6	-1.0%
98.8%	57.6	57.3	-0.3	-0.5%
100.0%	57.3	57.1	-0.3	-0.5%

November

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	59.1	59.1	0.0	0.0%
1.3%	58.8	59.1	0.3	0.5%
2.5%	58.6	58.5	-0.1	-0.2%
3.8%	58.5	58.4	-0.1	-0.1%
5.0%	58.4	58.4	0.0	0.0%
6.3%	58.4	58.3	0.0	-0.1%
7.5%	58.4	58.2	-0.1	-0.2%
8.8%	58.3	58.2	-0.1	-0.2%
10.0%	58.2	58.2	0.0	0.0%
11.3%	58.1	58.1	0.0	0.0%
12.5%	58.1	58.1	0.0	0.0%
13.8%	58.0	58.0	-0.1	-0.1%
15.0%	58.0	57.9	-0.1	-0.2%
16.3%	58.0	57.9	-0.1	-0.2%
17.5%	57.9	57.8	-0.1	-0.2%
18.8%	57.9	57.8	-0.1	-0.2%
20.0%	57.8	57.8	-0.1	-0.2%
21.3%	57.8	57.7	-0.1	-0.2%
22.5%	57.7	57.6	-0.1	-0.2%
23.8%	57.6	57.6	0.0	-0.1%
25.0%	57.6	57.5	0.0	-0.1%
26.3%	57.5	57.5	0.0	0.0%
27.5%	57.5	57.5	0.0	0.0%
28.8%	57.5	57.5	0.0	0.0%
30.0%	57.5	57.4	-0.1	-0.1%
31.3%	57.5	57.4	-0.1	-0.2%
32.5%	57.5	57.4	-0.1	-0.2%
33.8%	57.5	57.4	-0.1	-0.2%
35.0%	57.4	57.3	-0.1	-0.1%
36.3%	57.4	57.3	-0.1	-0.1%
37.5%	57.4	57.3	-0.1	-0.1%
38.8%	57.4	57.3	-0.1	-0.1%
40.0%	57.4	57.3	0.0	-0.1%
41.3%	57.4	57.3	-0.1	-0.1%
42.5%	57.3	57.3	-0.1	-0.1%
43.8%	57.3	57.3	-0.1	-0.1%
45.0%	57.3	57.2	0.0	-0.1%
46.3%	57.2	57.2	0.0	0.0%
47.5%	57.2	57.2	0.0	0.0%
48.8%	57.2	57.2	0.0	0.1%
50.0%	57.2	57.2	0.0	0.1%
51.3%	57.1	57.2	0.1	0.2%
52.5%	57.1	57.1	0.1	0.1%
53.8%	57.0	57.1	0.1	0.2%
55.0%	57.0	57.1	0.0	0.1%
56.3%	57.0	57.0	0.0	0.1%
57.5%	57.0	57.0	0.0	0.1%
58.8%	56.8	57.0	0.2	0.3%
60.0%	56.8	56.9	0.2	0.3%
61.3%	56.8	56.8	0.1	0.1%
62.5%	56.8	56.8	0.1	0.1%
63.8%	56.7	56.7	0.0	0.0%
65.0%	56.7	56.7	0.0	0.0%
66.3%	56.7	56.7	0.0	0.0%
67.5%	56.7	56.7	0.0	0.1%
68.8%	56.7	56.7	0.0	0.1%
70.0%	56.5	56.7	0.1	0.2%
71.3%	56.5	56.6	0.1	0.2%
72.5%	56.5	56.6	0.1	0.2%
73.8%	56.5	56.5	0.0	0.0%
75.0%	56.5	56.4	0.0	-0.1%
76.3%	56.4	56.3	-0.1	-0.2%
77.5%	56.3	56.2	-0.1	-0.2%
78.8%	56.2	56.1	-0.1	-0.1%
80.0%	56.1	56.0	-0.1	-0.2%
81.3%	56.1	56.0	-0.1	-0.2%
82.5%	56.0	56.0	0.0	-0.1%
83.8%	56.0	55.9	-0.1	-0.1%
85.0%	55.8	55.9	0.0	0.1%
86.3%	55.7	55.9	0.1	0.3%
87.5%	55.6	55.8	0.2	0.4%
88.8%	55.6	55.5	-0.1	-0.1%
90.0%	55.5	55.5	0.0	-0.1%
91.3%	55.5	55.4	-0.1	-0.2%
92.5%	55.4	55.3	-0.1	-0.2%
93.8%	55.4	55.3	-0.2	-0.3%
95.0%	55.3	55.1	-0.2	-0.3%
96.3%	55.0	55.1	0.1	0.2%
97.5%	54.1	54.2	0.1	0.2%
98.8%	53.6	53.6	0.0	0.0%
100.0%	53.2	53.2	0.0	0.0%

December

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	54.1	54.2	0.0	0.1%
1.3%	53.9	54.2	0.2	0.4%
2.5%	53.8	53.8	0.0	0.1%
3.8%	53.7	53.6	-0.1	-0.2%
5.0%	53.2	53.4	0.2	0.3%
6.3%	53.1	53.3	0.2	0.4%
7.5%	53.1	53.3	0.2	0.3%
8.8%	53.1	53.1	0.0	0.0%
10.0%	52.8	53.1	0.3	0.5%
11.3%	52.8	53.0	0.2	0.4%
12.5%	52.7	52.8	0.1	0.2%
13.8%	52.6	52.7	0.1	0.2%
15.0%	52.5	52.6	0.0	0.0%
16.3%	52.5	52.5	0.1	0.1%
17.5%	52.4	52.5	0.1	0.2%
18.8%	52.4	52.4	0.0	0.1%
20.0%	52.3	52.4	0.0	0.1%
21.3%	52.3	52.3	0.0	0.1%
22.5%	52.2	52.3	0.1	0.1%
23.8%	52.2	52.3	0.1	0.2%
25.0%	52.1	52.3	0.2	0.3%
26.3%	52.0	52.0	0.1	0.1%
27.5%	52.0	52.0	0.1	0.1%
28.8%	52.0	52.0	0.1	0.1%
30.0%	51.9	52.0	0.0	0.1%
31.3%	51.9	52.0	0.0	0.1%
32.5%	51.9	52.0	0.0	0.1%
33.8%	51.9	51.8	-0.1	-0.1%
35.0%	51.7	51.8	0.0	0.1%
36.3%	51.7	51.7	0.0	0.0%
37.5%	51.7	51.7	0.0	0.1%
38.8%	51.7	51.7	0.1	0.1%
40.0%	51.6	51.7	0.1	0.2%
41.3%	51.6	51.7	0.1	0.2%
42.5%	51.6	51.7	0.1	0.3%
43.8%	51.5	51.7	0.1	0.3%
45.0%	51.5	51.7	0.2	0.4%
46.3%	51.5	51.7	0.2	0.3%
47.5%	51.4	51.6	0.3	0.5%
48.8%	51.3	51.6	0.3	0.6%
50.0%	51.3	51.6	0.3	0.6%
51.3%	51.3	51.6	0.3	0.6%
52.5%	51.3	51.5	0.2	0.5%
53.8%	51.2	51.5	0.3	0.5%
55.0%	51.2	51.5	0.3	0.5%
56.3%	51.2	51.4	0.2	0.3%
57.5%	51.2	51.3	0.1	0.2%
58.8%	51.1	51.3	0.2	0.3%
60.0%	51.1	51.2	0.1	0.1%
61.3%	51.1	51.1	-0.1	-0.1%
62.5%	51.0	50.9	-0.1	-0.1%
63.8%	50.9	50.9	0.0	0.0%
65.0%	50.9	50.8	0.0	-0.1%
66.3%	50.9	50.8	0.0	-0.1%
67.5%	50.8	50.8	0.0	-0.1%
68.8%	50.7	50.7	0.0	0.0%
70.0%	50.7	50.7	0.0	0.0%
71.3%	50.6	50.6	0.0	0.0%
72.5%	50.6	50.6	0.0	0.1%
73.8%	50.5	50.6	0.1	0.3%
75.0%	50.3	50.6	0.2	0.5%
76.3%	50.3	50.5	0.2	0.4%
77.5%	50.3	50.4	0.0	0.1%
78.8%	50.3	50.3	0.1	0.2%
80.0%	50.2	50.3	0.1	0.2%
81.3%	50.2	50.3	0.1	0.3%
82.5%	50.1	50.2	0.1	0.2%
83.8%	50.0	50.1	0.1	0.2%
85.0%	49.9	50.0	0.0	0.0%
86.3%	49.9	49.9	0.0	0.0%
87.5%	49.8	49.9	0.1	0.2%
88.8%	49.4	49.8	0.3	0.6%
90.0%	49.4	49.5	0.2	0.3%
91.3%	49.2	49.4	0.1	0.3%
92.5%	49.2	49.3	0.1	0.2%
93.8%	49.2	49.3	0.1	0.2%
95.0%	49.2	49.2	0.0	-0.1%
96.3%	49.0	49.0	0.0	0.0%
97.5%	49.0	48.7	-0.3	-0.6%
98.8%	47.1	47.8	0.8	1.6%
100.0%	46.9	47.6	0.7	1.5%

January

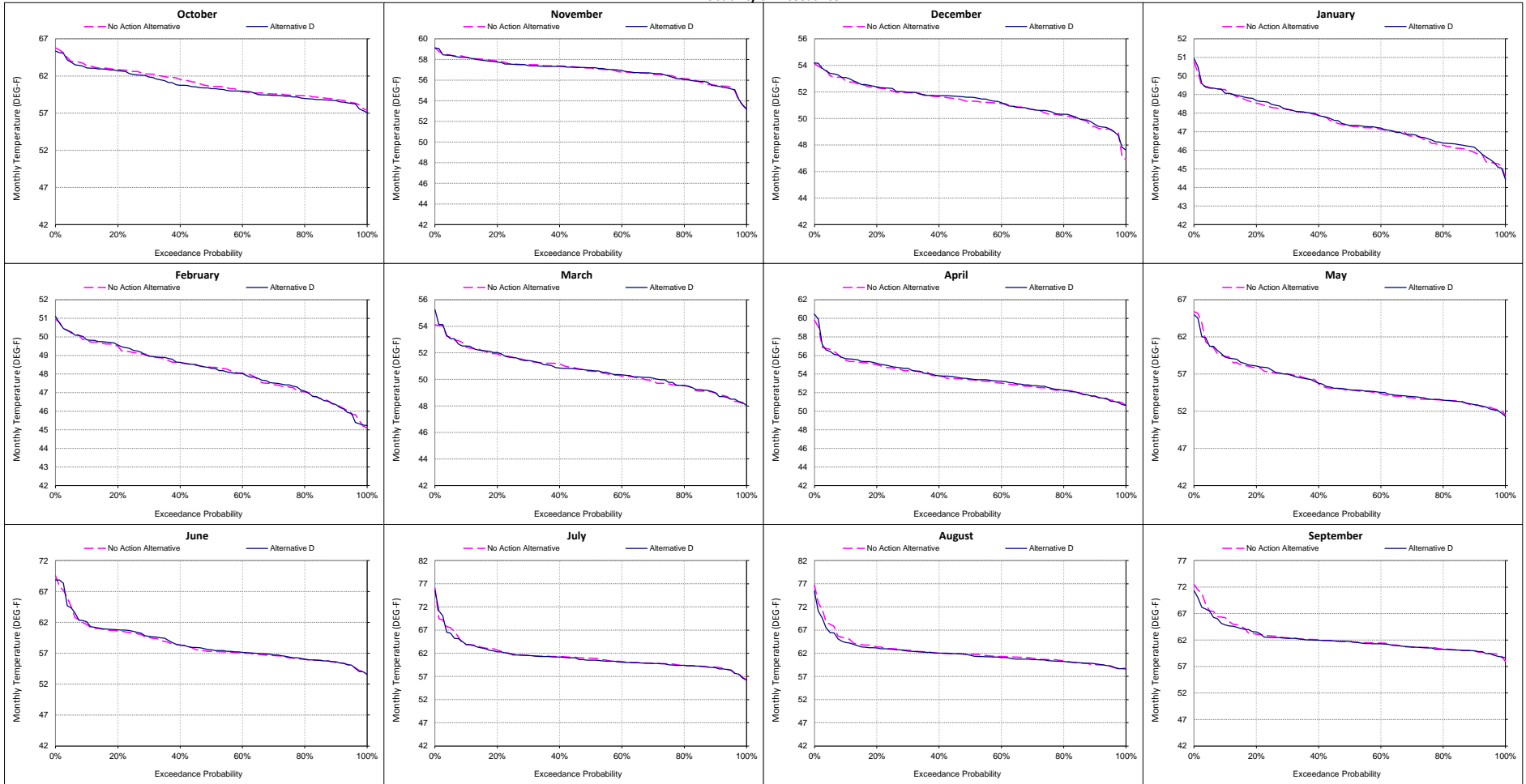| Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	50.8	50.9	0.2	0.4%
1.3%	50.2	50.5	0.3	0.7%
2.5%	49.5	49.6	0.1	0.3%
3.8%	49.5	49.4	0.0	-0.1%
5.0%	49.4	49.3	0.0	-0.1%
6.3%	49.3	49.3	0.0	0.0%
7.5%	49.3	49.3	0.0	0.0%
8.8%	49.3	49.3	0.0	0.0%
10.0%	49.3	49.1	-0.2	-0.4%
11.3%	49.1	49.1	0.0	0.0%
12.5%	49.0	49.0	0.0	0.0%
13.8%	48.9	49.0	0.1	0.2%
15.0%	48.8	48.9	0.1	0.1%
16.3%	48.7	48.9	0.1	0.2%
17.5%	48.7	48.8	0.2	0.3%
18.8%	48.6	48.8	0.2	0.4%
20.0%	48.5	48.7	0.1	0.3%
21.3%	48.5	48.6	0.1	0.3%
22.5%	48.4	48.6	0.2	0.4%
23.8%	48.4	48.6	0.2	0.5%
25.0%	48.3	48.5	0.2	0.3%
26.3%	48.3	48.4	0.2	0.3%
27.5%	48.3	48.4	0.1	0.3%
28.8%	48.2	48.3	0.0	0.0%
30.0%	48.2	48.2	0.0	-0.1%
31.3%	48.2	48.2	0.0	0.0%
32.5%	48.1	48.1	0.0	0.0%
33.8%	48.1	48.1	0.0	0.0%
35.0%	48.1	48.1	0.0	0.0%
36.3%	48.0	48.0	0.0	0.0%
37.5%	48.0	48.0	0.0	0.0%
38.8%	47.9	48.0	0.1	0.1%
40.0%	47.9	47.9	0.0	-0.1%
41.3%	47.8	47.8	0.0	0.0%
42.5%	47.8	47.8	0.0	0.0%
43.8%	47.6	47.7	0.1	0.3%
45.0%	47.5	47.6	0.1	0.1%
46.3%	47.4	47.6	0.2	0.3%
47.5%	47.4	47.5	0.1	0.1%
48.8%	47.3	47.4	0.0	0.1%
50.0%	47.3	47.3	0.0	0.0%
51.3%	47.3	47.3	0.1	0.1%
52.5%	47.3	47.3	0.1	0.1%
53.8%	47.2	47.3	0.1	0.2%
55.0%	47.2	47.3	0.1	0.1%
56.3%	47.2	47.3	0.1	0.1%
57.5%	47.2	47.3	0.0	0.1%
58.8%	47.2	47.2	0.0	0.1%
60.0%	47.1	47.2	0.1	0.2%
61.3%	47.1	47.1	0.0	0.0%
62.5%	47.0	47.1	0.1	0.1%
63.8%	47.0	47.0	0.0	0.0%
65.0%	47.0	47.0	0.0	-0.1%
66.3%	47.0	47.0	0.0	-0.1%
67.5%	47.0	46.9	-0.1	-0.3%
68.8%	46.8	46.9	0.1	0.1%
70.0%	46.8	46.8	0.1	0.2%
71.3%	46.8	46.8	0.0	0.0%
72.5%	46.7	46.7	0.0	-0.1%
73.8%	46.6	46.7	0.1	0.3%
75.0%	46.6	46.6	0.0	0.1%
76.3%	46.4	46.5	0.2	0.4%
77.5%	46.3	46.5	0.1	0.2%
78.8%	46.3	46.4	0.1	0.3%
80.0%	46.3	46.4	0.1	0.3%
81.3%	46.2	46.4	0.2	0.4%
82.5%	46.2	46.4	0.2	0.4%
83.8%	46.1	46.3	0.2	0.5%
85.0%	46.1	46.3	0.2	0.4%
86.3%	46.1	46.3	0.2	0.4%
87.5%	46.0	46.2	0.2	0.4%
88.8%	46.0	46.2	0.2	0.5%
90.0%	45.9	46.2	0.3	0.6%
91.3%	45.8	46.0	0.2	0.5%
92.5%	45.8	45.8	0.0	0.0%
93.8%	45.4	45.6	0.3	0.6%
95.0%	45.4	45.5	0.1	0.3%
96.3%	45.3	45.4	0.0	0.1%
97.5%	45.3	45.1	-0.2	-0.4%
98.8%	45.2	45.0	-0.1	-0.3%
100.0%	44.5	44.4	-0.1	-0.2%

Table SQ-**39**-4b
American River below Nimbus Dam, Monthly Temperature
Probability of Exceedance

February Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)	March Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)	April Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)	May Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	51.0	51.1	0.1	0.3%	0.0%	54.1	55.3	1.1	2.1%	0.0%	59.8	60.5	0.7	1.1%	0.0%	65.4	65.0	-0.4	-0.6%
1.3%	50.8	50.8	0.0	-0.1%	1.3%	54.1	54.1	0.1	0.1%	1.3%	59.1	59.9	0.9	1.5%	1.3%	65.2	64.5	-0.7	-1.0%
2.5%	50.4	50.5	0.0	0.0%	2.5%	54.0	54.1	0.1	0.1%	2.5%	56.9	57.2	0.3	0.5%	2.5%	63.9	62.0	-1.9	-2.9%
3.8%	50.4	50.3	0.0	-0.1%	3.8%	53.3	53.3	0.1	0.1%	3.8%	56.8	56.6	-0.2	-0.3%	3.8%	61.3	61.9	0.6	0.9%
5.0%	50.2	50.3	0.0	0.1%	5.0%	53.2	53.1	-0.1	-0.2%	5.0%	56.7	56.4	-0.2	-0.4%	5.0%	60.8	60.8	0.0	-0.1%
6.3%	50.2	50.1	-0.1	-0.1%	6.3%	53.0	53.0	0.1	0.2%	6.3%	56.4	56.1	-0.3	-0.6%	6.3%	60.6	60.7	0.1	0.2%
7.5%	50.1	50.1	0.0	0.0%	7.5%	52.9	52.7	-0.3	-0.5%	7.5%	56.1	56.0	-0.1	-0.1%	7.5%	59.7	60.2	0.5	0.8%
8.8%	49.9	50.0	0.2	0.3%	8.8%	52.8	52.5	-0.3	-0.5%	8.8%	55.7	55.8	0.1	0.2%	8.8%	59.5	59.8	0.2	0.4%
10.0%	49.8	49.8	0.0	0.0%	10.0%	52.4	52.5	0.1	0.2%	10.0%	55.5	55.6	0.2	0.3%	10.0%	59.4	59.3	-0.1	-0.2%
11.3%	49.7	49.8	0.1	0.2%	11.3%	52.3	52.5	0.1	0.3%	11.3%	55.3	55.6	0.3	0.5%	11.3%	59.3	59.1	-0.2	-0.3%
12.5%	49.7	49.8	0.1	0.2%	12.5%	52.3	52.3	0.0	-0.1%	12.5%	55.3	55.6	0.2	0.4%	12.5%	58.6	59.1	0.5	0.9%
13.8%	49.7	49.8	0.0	0.1%	13.8%	52.3	52.2	-0.1	-0.2%	13.8%	55.3	55.5	0.2	0.4%	13.8%	58.5	59.0	0.5	0.8%
15.0%	49.7	49.7	0.1	0.2%	15.0%	52.2	52.2	0.0	0.0%	15.0%	55.3	55.4	0.1	0.2%	15.0%	58.3	58.6	0.3	0.6%
16.3%	49.6	49.7	0.1	0.2%	16.3%	52.1	52.1	0.0	0.1%	16.3%	55.2	55.3	0.1	0.2%	16.3%	58.1	58.5	0.3	0.6%
17.5%	49.6	49.7	0.1	0.2%	17.5%	52.0	52.1	0.2	0.3%	17.5%	55.2	55.3	0.2	0.3%	17.5%	58.1	58.2	0.1	0.3%
18.8%	49.6	49.7	0.1	0.2%	18.8%	51.9	52.0	0.1	0.2%	18.8%	55.1	55.3	0.2	0.3%	18.8%	57.9	58.2	0.3	0.4%
20.0%	49.5	49.6	0.1	0.1%	20.0%	51.9	52.0	0.1	0.2%	20.0%	55.0	55.1	0.1	0.3%	20.0%	57.8	58.1	0.2	0.4%
21.3%	49.2	49.5	0.2	0.5%	21.3%	51.8	51.9	0.1	0.3%	21.3%	54.9	55.0	0.2	0.3%	21.3%	57.8	58.0	0.1	0.2%
22.5%	49.2	49.4	0.2	0.4%	22.5%	51.8	51.7	0.0	0.0%	22.5%	54.8	55.0	0.2	0.4%	22.5%	57.4	57.9	0.5	0.9%
23.8%	49.2	49.4	0.2	0.3%	23.8%	51.7	51.7	-0.1	-0.1%	23.8%	54.7	54.9	0.2	0.4%	23.8%	57.3	57.8	0.6	1.0%
25.0%	49.2	49.3	0.1	0.2%	25.0%	51.6	51.7	0.0	0.0%	25.0%	54.7	54.8	0.1	0.2%	25.0%	57.2	57.5	0.3	0.5%
26.3%	49.1	49.3	0.1	0.2%	26.3%	51.6	51.6	0.0	0.0%	26.3%	54.5	54.7	0.2	0.4%	26.3%	57.1	57.2	0.1	0.2%
27.5%	49.1	49.2	0.1	0.2%	27.5%	51.5	51.5	-0.1	-0.1%	27.5%	54.5	54.7	0.2	0.3%	27.5%	57.1	57.2	0.0	0.1%
28.8%	49.1	49.0	-0.1	-0.1%	28.8%	51.5	51.4	-0.1	-0.1%	28.8%	54.4	54.6	0.3	0.5%	28.8%	57.1	57.0	0.0	-0.1%
30.0%	49.0	49.0	0.0	0.0%	30.0%	51.4	51.4	0.0	0.0%	30.0%	54.3	54.6	0.3	0.5%	30.0%	57.0	57.0	0.0	0.0%
31.3%	49.0	48.9	0.0	0.0%	31.3%	51.3	51.4	0.1	0.1%	31.3%	54.3	54.4	0.1	0.1%	31.3%	56.9	56.8	-0.1	-0.2%
32.5%	48.9	48.9	0.0	0.0%	32.5%	51.3	51.3	0.0	0.0%	32.5%	54.3	54.3	0.0	0.0%	32.5%	56.8	56.7	-0.1	-0.3%
33.8%	48.9	48.9	0.0	0.0%	33.8%	51.3	51.2	0.0	0.0%	33.8%	54.2	54.3	0.1	0.2%	33.8%	56.8	56.5	-0.2	-0.4%
35.0%	48.8	48.9	0.1	0.1%	35.0%	51.2	51.1	-0.1	-0.2%	35.0%	54.2	54.1	-0.1	-0.2%	35.0%	56.6	56.5	-0.1	-0.2%
36.3%	48.7	48.8	0.1	0.2%	36.3%	51.2	51.1	-0.1	-0.3%	36.3%	54.2	54.0	-0.2	-0.3%	36.3%	56.4	56.3	0.0	-0.1%
37.5%	48.6	48.8	0.2	0.3%	37.5%	51.2	51.0	-0.2	-0.4%	37.5%	53.9	54.0	0.1	0.3%	37.5%	56.3	56.3	-0.1	-0.1%
38.8%	48.6	48.7	0.0	0.0%	38.8%	51.2	50.9	-0.3	-0.6%	38.8%	53.8	53.9	0.0	0.1%	38.8%	56.2	56.0	-0.3	-0.5%
40.0%	48.6	48.6	0.0	0.0%	40.0%	51.2	50.9	-0.3	-0.6%	40.0%	53.8	53.8	0.0	0.1%	40.0%	55.7	55.8	0.1	0.2%
41.3%	48.6	48.6	0.0	0.0%	41.3%	51.0	50.8	-0.2	-0.4%	41.3%	53.7	53.8	0.1	0.1%	41.3%	55.3	55.6	0.3	0.5%
42.5%	48.5	48.5	0.0	0.0%	42.5%	51.0	50.8	-0.1	-0.2%	42.5%	53.5	53.8	0.2	0.4%	42.5%	55.2	55.3	0.2	0.3%
43.8%	48.5	48.5	0.0	0.1%	43.8%	50.9	50.8	-0.1	-0.1%	43.8%	53.5	53.7	0.2	0.4%	43.8%	55.1	55.3	0.2	0.3%
45.0%	48.5	48.5	0.0	0.1%	45.0%	50.9	50.8	-0.1	-0.1%	45.0%	53.5	53.7	0.2	0.4%	45.0%	55.1	55.1	0.0	0.1%
46.3%	48.4	48.4	0.0	0.0%	46.3%	50.8	50.8	0.0	-0.1%	46.3%	53.5	53.6	0.1	0.2%	46.3%	55.0	55.1	0.0	0.1%
47.5%	48.4	48.4	0.0	0.0%	47.5%	50.7	50.7	0.0	0.0%	47.5%	53.5	53.6	0.1	0.2%	47.5%	55.0	55.0	0.0	0.1%
48.8%	48.4	48.4	0.0	0.1%	48.8%	50.6	50.7	0.0	0.1%	48.8%	53.4	53.5	0.1	0.2%	48.8%	54.9	55.0	0.1	0.2%
50.0%	48.4	48.3	0.0	-0.1%	50.0%	50.6	50.7	0.0	0.1%	50.0%	53.4	53.5	0.1	0.2%	50.0%	54.8	54.9	0.0	0.0%
51.3%	48.4	48.3	-0.1	-0.1%	51.3%	50.6	50.6	0.0	0.1%	51.3%	53.4	53.4	0.0	0.1%	51.3%	54.8	54.8	0.0	0.0%
52.5%	48.3	48.2	-0.1	-0.3%	52.5%	50.6	50.6	0.0	0.1%	52.5%	53.3	53.4	0.1	0.2%	52.5%	54.7	54.8	0.1	0.2%
53.8%	48.3	48.2	-0.1	-0.2%	53.8%	50.5	50.5	0.1	0.1%	53.8%	53.3	53.4	0.1	0.3%	53.8%	54.7	54.8	0.0	0.2%
55.0%	48.3	48.1	-0.2	-0.3%	55.0%	50.4	50.5	0.1	0.2%	55.0%	53.2	53.4	0.2	0.3%	55.0%	54.7	54.7	0.0	0.0%
56.3%	48.2	48.1	-0.1	-0.2%	56.3%	50.4	50.4	0.1	0.1%	56.3%	53.2	53.3	0.1	0.2%	56.3%	54.6	54.7	0.1	0.1%
57.5%	48.1	48.0	0.0	-0.1%	57.5%	50.3	50.4	0.0	0.1%	57.5%	53.1	53.3	0.2	0.4%	57.5%	54.5	54.7	0.1	0.2%
58.8%	48.0	48.0	0.0	0.0%	58.8%	50.3	50.4	0.0	0.1%	58.8%	53.1	53.2	0.2	0.3%	58.8%	54.4	54.6	0.2	0.3%
60.0%	48.0	48.0	0.0	0.0%	60.0%	50.3	50.3	0.1	0.2%	60.0%	53.0	53.2	0.2	0.4%	60.0%	54.4	54.5	0.2	0.3%
61.3%	48.0	47.9	-0.1	-0.1%	61.3%	50.2	50.3	0.1	0.2%	61.3%	53.0	53.2	0.3	0.5%	61.3%	54.2	54.5	0.3	0.6%
62.5%	48.0	47.8	-0.1	-0.3%	62.5%	50.2	50.3	0.1	0.1%	62.5%	52.9	53.1	0.2	0.3%	62.5%	54.1	54.3	0.2	0.3%
63.8%	47.9	47.8	0.0	-0.1%	63.8%	50.2	50.2	0.0	0.0%	63.8%	52.8	53.1	0.2	0.4%	63.8%	54.1	54.2	0.2	0.3%
65.0%	47.7	47.8	0.1	0.1%	65.0%	50.1	50.2	0.1	0.1%	65.0%	52.8	52.9	0.1	0.2%	65.0%	54.0	54.1	0.1	0.2%
66.3%	47.5	47.7	0.1	0.3%	66.3%	50.1	50.2	0.1	0.2%	66.3%	52.8	52.9	0.1	0.2%	66.3%	54.0	54.1	0.1	0.1%
67.5%	47.5	47.7	0.1	0.3%	67.5%	50.0	50.2	0.2	0.3%	67.5%	52.7	52.8	0.1	0.2%	67.5%	54.0	54.1	0.1	0.1%
68.8%	47.5	47.5	0.0	0.1%	68.8%	49.9	50.2	0.2	0.4%	68.8%	52.7	52.8	0.2	0.3%	68.8%	53.8	54.0	0.2	0.3%
70.0%	47.4	47.5	0.1	0.2%	70.0%	49.9	50.1	0.2	0.4%	70.0%	52.7	52.8	0.1	0.2%	70.0%	53.8	54.0	0.2	0.3%
71.3%	47.4	47.5	0.1	0.2%	71.3%	49.7	50.0	0.3	0.6%	71.3%	52.6	52.8	0.2	0.3%	71.3%	53.7	54.0	0.2	0.4%
72.5%	47.3	47.5	0.1	0.2%	72.5%	49.7	50.0	0.3	0.6%	72.5%	52.5	52.7	0.2	0.3%	72.5%	53.7	53.8	0.2	0.4%
73.8%	47.3	47.4	0.1	0.2%	73.8%	49.7	50.0	0.3	0.6%	73.8%	52.5	52.7	0.2	0.3%	73.8%	53.6	53.8	0.2	0.4%
75.0%	47.3	47.4	0.1	0.2%	75.0%	49.7	49.8	0.1	0.2%	75.0%	52.5	52.5	0.1	0.2%	75.0%	53.6	53.6	0.0	0.1%
76.3%	47.3	47.3	0.1	0.2%	76.3%	49.6	49.8	0.2	0.3%	76.3%	52.3	52.5	0.1	0.2%	76.3%	53.6	53.6	0.0	0.1%
77.5%	47.1	47.3	0.2	0.4%	77.5%	49.5	49.6	0.0	0.0%	77.5%	52.3	52.4	0.1	0.2%	77.5%	53.5	53.6	0.0	0.1%
78.8%	47.1	47.1	0.1	0.1%	78.8%	49.5	49.5	0.0	0.0%	78.8%	52.3	52.3	0.1	0.1%	78.8%	53.5	53.6	0.1	0.1%
80.0%	47.0	47.1	0.0	0.1%	80.0%	49.5	49.5	0.0	0.1%	80.0%	52.2	52.3	0.0	0.0%	80.0%	53.5	53.5	0.0	0.0%
81.3%	47.0	47.0	0.0	-0.1%	81.3%	49.5	49.5	0.0	0.0%	81.3%	52.2	52.2	0.0	0.1%	81.3%	53.5	53.5	0.0	0.0%
82.5%	46.8	46.8	0.0	0.0%	82.5%	49.4	49.4	0.0	0.0%	82.5%	52.2	52.1	-0.1	-0.2%	82.5%	53.4	53.4	0.0	0.0%
83.8%	46.8	46.8	0.0	0.1%	83.8%	49.2	49.2	0.1	0.2%	83.8%	52.1	52.1	0.0	0.0%	83.8%	53.4	53.3	-0.1	-0.1%
85.0%	46.7	46.7	0.0	0.0%	85.0%	49.1	49.2	0.1	0.2%	85.0%	52.0	51.9	-0.1	-0.2%	85.0%	53.3	53.3	0.0	0.1%
86.3%	46.7	46.6	-0.1	-0.2%	86.3%	49.1	49.2	0.1	0.1%	86.3%	51.8	51.8	0.0	0.0%	86.3%	53.2	53.3	0.0	0.1%
87.5%	46.5	46.5	0.0	0.0%	87.5%	49.1	49.2	0.1	0.2%	87.5%	51.8	51.8	0.0	0.0%	87.5%	53.0	53.1	0.0	0.0%
88.8%	46.4	46.4	0.0	0.0%	88.8%	49.1	49.1	0.0	0.1%	88.8%	51.7	51.6	0.0	-0.1%	88.8%	52.9	53.0	0.1	0.2%
90.0%	46.3	46.3	0.0	0.0%	90.0%	49.0	49.0	0.0	0.0%	90.0%	51.6	51.6	0.0	0.0%	90.0%	52.8	52.9	0.1	0.2%
91.3%	46.3	46.2	-0.1	-0.1%	91.3%	48.8	48.7	-0.1	-0.2%	91.3%	51.5	51.4	-0.1	-0.1%	91.3%	52.8	52.8	0.0	0.1%
92.5%	46.1	46.1	0.0	0.0%	92.5%	48.8	48.7	-0.1	-0.1%	92.5%	51.4	51.4	0.0	-0.1%	92.5%	52.7	52.6	-0.1	-0.2%
93.8%	46.0	45.9	-0.1	-0.2%	93.8%	48.7	48.6	-0.1	-0.1%	93.8%	51.3	51.4	0.1	0.1%	93.8%	52.6	52.6	0.0	0.0%
95.0%	45.8	45.9	0.1	0.1%	95.0%	48.5	48.5	0.1	0.1%	95.0%	51.2	51.1	-0.1	-0.3%	95.0%	52.5	52.3	-0.3	-0.5%
96.3%	45.8	45.4	-0.4	-0.9%	96.3%	48.3	48.5	0.2	0.3%	96.3%	51.2	51.1	-0.1	-0.2%	96.3%	52.3	52.2	-0.1	-0.2%
97.5%	45.5	45.3	-0.2	-0.4%	97.5%	48.3	48.3	0.0	0.1%	97.5%	51.0	50.9	-0.1	-0.2%	97.5%	52.2	52.1	-0.1	-0.2%
98.8%	45.2	45.3	0.1	0.1%	98.8%	48.2	48.3	0.1	0.2%	98.8%	50.9	50.7	-0.2	-0.4%	98.8%	52.1	51.7	-0.4	-0.7%
100.0%	45.1	45.2	0.1	0.3%	100.0%	48.0	48.0	0.0	0.0%	100.0%	50.6	50.6	0.0	0.0%	100.0%	51.4	51.3	-0.1	-0.3%

Table SQ-39-4b
American River below Nimbus Dam, Monthly Temperature
Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	69.5	68.8	-0.7	-1.0%
1.3%	67.8	68.8	1.0	1.5%
2.5%	67.2	68.3	1.1	1.7%
3.8%	66.0	64.7	-1.3	-2.0%
5.0%	64.6	64.4	-0.2	-0.3%
6.3%	62.8	63.5	0.8	1.2%
7.5%	62.4	62.3	-0.1	-0.2%
8.8%	62.0	62.3	0.3	0.5%
10.0%	61.7	62.1	0.4	0.7%
11.3%	61.2	61.3	0.1	0.2%
12.5%	61.0	61.2	0.2	0.3%
13.8%	61.0	61.1	0.1	0.1%
15.0%	60.9	61.0	0.1	0.1%
16.3%	60.8	60.9	0.2	0.3%
17.5%	60.7	60.9	0.2	0.3%
18.8%	60.7	60.8	0.1	0.2%
20.0%	60.6	60.8	0.2	0.3%
21.3%	60.6	60.8	0.2	0.3%
22.5%	60.5	60.8	0.3	0.5%
23.8%	60.3	60.7	0.3	0.5%
25.0%	60.3	60.5	0.3	0.5%
26.3%	60.2	60.4	0.2	0.4%
27.5%	60.0	60.3	0.2	0.4%
28.8%	59.7	59.8	0.2	0.3%
30.0%	59.6	59.7	0.2	0.3%
31.3%	59.4	59.7	0.3	0.4%
32.5%	59.4	59.6	0.2	0.4%
33.8%	59.0	59.5	0.5	0.8%
35.0%	58.9	59.5	0.5	0.9%
36.3%	58.8	59.1	0.3	0.6%
37.5%	58.5	58.7	0.2	0.4%
38.8%	58.5	58.4	0.0	0.0%
40.0%	58.3	58.3	0.0	0.0%
41.3%	58.3	58.3	0.0	0.1%
42.5%	58.2	58.0	-0.1	-0.2%
43.8%	57.9	58.0	0.0	0.1%
45.0%	57.6	57.9	0.3	0.6%
46.3%	57.5	57.9	0.4	0.7%
47.5%	57.4	57.8	0.3	0.6%
48.8%	57.3	57.6	0.3	0.5%
50.0%	57.3	57.5	0.2	0.4%
51.3%	57.3	57.4	0.2	0.3%
52.5%	57.3	57.4	0.2	0.3%
53.8%	57.2	57.4	0.2	0.3%
55.0%	57.2	57.3	0.1	0.2%
56.3%	57.2	57.3	0.1	0.2%
57.5%	57.1	57.2	0.1	0.2%
58.8%	57.1	57.2	0.2	0.3%
60.0%	57.0	57.2	0.1	0.2%
61.3%	57.0	57.1	0.1	0.1%
62.5%	57.0	57.1	0.1	0.1%
63.8%	56.8	57.0	0.2	0.4%
65.0%	56.8	57.0	0.2	0.3%
66.3%	56.8	56.9	0.2	0.3%
67.5%	56.7	56.9	0.2	0.3%
68.8%	56.7	56.8	0.2	0.3%
70.0%	56.6	56.7	0.1	0.2%
71.3%	56.6	56.7	0.2	0.3%
72.5%	56.5	56.6	0.0	0.1%
73.8%	56.4	56.5	0.1	0.2%
75.0%	56.3	56.4	0.1	0.2%
76.3%	56.2	56.3	0.0	0.1%
77.5%	56.1	56.3	0.1	0.2%
78.8%	56.1	56.2	0.1	0.2%
80.0%	56.0	56.1	0.1	0.1%
81.3%	55.9	55.9	0.0	0.0%
82.5%	55.9	55.9	0.0	0.1%
83.8%	55.9	55.9	0.0	0.0%
85.0%	55.8	55.9	0.0	0.0%
86.3%	55.8	55.8	0.0	0.0%
87.5%	55.7	55.7	0.0	0.0%
88.8%	55.6	55.6	0.0	0.0%
90.0%	55.5	55.6	0.1	0.2%
91.3%	55.5	55.4	0.0	-0.1%
92.5%	55.4	55.4	0.0	0.0%
93.8%	55.2	55.1	0.0	-0.1%
95.0%	55.1	55.1	0.0	0.0%
96.3%	54.6	54.5	-0.1	-0.2%
97.5%	54.2	54.0	-0.2	-0.3%
98.8%	54.1	54.0	-0.1	-0.2%
100.0%	53.6	53.6	0.0	-0.1%

July

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	76.1	75.5	-0.6	-0.7%
1.3%	69.5	71.2	1.7	2.5%
2.5%	69.2	70.1	0.9	1.3%
3.8%	67.8	66.6	-1.2	-1.8%
5.0%	67.5	66.3	-1.2	-1.7%
6.3%	66.7	65.2	-1.4	-2.2%
7.5%	65.5	65.1	-0.4	-0.6%
8.8%	64.2	64.6	0.3	0.5%
10.0%	63.9	63.9	0.0	0.1%
11.3%	63.9	63.8	0.0	-0.1%
12.5%	63.8	63.6	-0.1	-0.2%
13.8%	63.6	63.3	-0.2	-0.4%
15.0%	63.3	63.1	-0.1	-0.2%
16.3%	63.1	63.0	-0.1	-0.2%
17.5%	63.0	62.6	-0.4	-0.6%
18.8%	63.0	62.5	-0.5	-0.7%
20.0%	62.7	62.3	-0.4	-0.6%
21.3%	62.4	62.3	-0.1	-0.2%
22.5%	62.2	62.1	-0.1	-0.2%
23.8%	61.9	62.0	0.1	0.2%
25.0%	61.9	61.6	-0.2	-0.4%
26.3%	61.7	61.6	0.0	0.0%
27.5%	61.7	61.6	-0.1	-0.1%
28.8%	61.6	61.6	0.0	0.0%
30.0%	61.5	61.5	0.0	0.0%
31.3%	61.5	61.5	0.0	0.0%
32.5%	61.4	61.4	0.0	-0.1%
33.8%	61.4	61.3	-0.1	-0.1%
35.0%	61.4	61.3	-0.1	-0.1%
36.3%	61.4	61.3	-0.1	-0.1%
37.5%	61.3	61.2	-0.1	-0.1%
38.8%	61.3	61.2	-0.1	-0.2%
40.0%	61.3	61.2	-0.1	-0.2%
41.3%	61.3	61.1	-0.2	-0.3%
42.5%	61.2	61.0	-0.1	-0.2%
43.8%	61.2	61.0	-0.1	-0.2%
45.0%	61.1	61.0	-0.1	-0.2%
46.3%	61.0	60.7	-0.4	-0.6%
47.5%	61.0	60.6	-0.4	-0.6%
48.8%	61.0	60.5	-0.4	-0.7%
50.0%	61.0	60.5	-0.4	-0.7%
51.3%	60.9	60.5	-0.4	-0.7%
52.5%	60.8	60.5	-0.4	-0.6%
53.8%	60.6	60.3	-0.3	-0.5%
55.0%	60.5	60.3	-0.3	-0.4%
56.3%	60.3	60.3	0.0	0.0%
57.5%	60.3	60.3	0.0	0.0%
58.8%	60.3	60.1	-0.2	-0.3%
60.0%	60.2	60.1	-0.2	-0.3%
61.3%	60.1	60.0	-0.1	-0.1%
62.5%	60.0	60.0	0.0	-0.1%
63.8%	60.0	60.0	-0.1	-0.1%
65.0%	60.0	59.9	-0.1	-0.1%
66.3%	59.9	59.9	0.0	-0.1%
67.5%	59.9	59.9	0.0	-0.1%
68.8%	59.9	59.8	0.0	-0.1%
70.0%	59.9	59.8	-0.1	-0.1%
71.3%	59.8	59.8	-0.1	-0.1%
72.5%	59.8	59.8	0.0	0.0%
73.8%	59.7	59.8	0.0	0.0%
75.0%	59.7	59.5	-0.2	-0.3%
76.3%	59.7	59.5	-0.2	-0.4%
77.5%	59.6	59.4	-0.2	-0.3%
78.8%	59.4	59.4	0.0	0.0%
80.0%	59.3	59.4	0.0	0.0%
81.3%	59.3	59.3	-0.1	-0.1%
82.5%	59.3	59.3	-0.1	-0.1%
83.8%	59.3	59.2	0.0	-0.1%
85.0%	59.2	59.2	0.0	0.1%
86.3%	59.1	59.2	0.1	0.1%
87.5%	59.1	59.0	-0.1	-0.2%
88.8%	59.0	58.9	-0.1	-0.2%
90.0%	59.0	58.9	-0.1	-0.1%
91.3%	59.0	58.6	-0.3	-0.5%
92.5%	58.7	58.6	-0.1	-0.2%
93.8%	58.6	58.5	-0.1	-0.1%
95.0%	58.4	58.3	-0.1	-0.1%
96.3%	57.7	57.7	-0.1	-0.1%
97.5%	57.5	57.5	-0.1	-0.1%
98.8%	56.8	56.7	-0.1	-0.2%
100.0%	56.3	56.2	0.0	0.0%

August

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	76.7	75.4	-1.3	-1.6%
1.3%	72.8	71.1	-1.8	-2.4%
2.5%	71.4	69.6	-1.8	-2.5%
3.8%	68.7	67.5	-1.2	-1.8%
5.0%	68.3	66.4	-1.8	-2.7%
6.3%	67.8	66.4	-1.4	-2.1%
7.5%	65.7	65.1	-0.6	-0.9%
8.8%	65.5	64.6	-0.8	-1.3%
10.0%	65.2	64.3	-0.9	-1.4%
11.3%	65.0	64.2	-0.8	-1.3%
12.5%	64.2	63.9	-0.2	-0.4%
13.8%	64.0	63.6	-0.4	-0.6%
15.0%	63.9	63.4	-0.5	-0.8%
16.3%	63.8	63.3	-0.5	-0.7%
17.5%	63.8	63.2	-0.6	-0.9%
18.8%	63.6	63.2	-0.5	-0.7%
20.0%	63.4	63.1	-0.2	-0.4%
21.3%	63.3	63.0	-0.4	-0.6%
22.5%	63.1	63.0	-0.2	-0.3%
23.8%	63.0	62.9	-0.1	-0.1%
25.0%	63.0	62.8	-0.2	-0.2%
26.3%	62.9	62.8	-0.2	-0.3%
27.5%	62.7	62.8	0.0	0.1%
28.8%	62.7	62.6	-0.1	-0.2%
30.0%	62.7	62.5	-0.2	-0.3%
31.3%	62.6	62.4	-0.3	-0.4%
32.5%	62.4	62.3	-0.1	-0.1%
33.8%	62.4	62.3	0.0	-0.1%
35.0%	62.3	62.2	-0.1	-0.2%
36.3%	62.3	62.2	-0.1	-0.2%
37.5%	62.1	62.2	0.1	0.1%
38.8%	62.1	62.0	-0.1	-0.1%
40.0%	62.0	62.0	0.0	0.0%
41.3%	62.0	62.0	0.0	0.1%
42.5%	61.9	62.0	0.1	0.1%
43.8%	61.9	62.0	0.1	0.1%
45.0%	61.9	61.9	0.0	0.0%
46.3%	61.9	61.9	0.0	0.1%
47.5%	61.8	61.8	0.0	0.0%
48.8%	61.8	61.7	-0.1	-0.1%
50.0%	61.8	61.6	-0.2	-0.3%
51.3%	61.8	61.3	-0.4	-0.7%
52.5%	61.8	61.3	-0.4	-0.7%
53.8%	61.5	61.3	-0.3	-0.4%
55.0%	61.5	61.3	-0.3	-0.4%
56.3%	61.4	61.2	-0.2	-0.3%
57.5%	61.4	61.2	-0.2	-0.3%
58.8%	61.3	61.2	-0.2	-0.2%
60.0%	61.3	61.1	-0.2	-0.4%
61.3%	61.3	61.0	-0.2	-0.4%
62.5%	61.2	61.0	-0.3	-0.4%
63.8%	61.2	60.8	-0.4	-0.6%
65.0%	61.2	60.8	-0.4	-0.7%
66.3%	61.1	60.8	-0.4	-0.6%
67.5%	61.1	60.8	-0.4	-0.6%
68.8%	61.1	60.7	-0.3	-0.5%
70.0%	60.9	60.6	-0.3	-0.5%
71.3%	60.8	60.6	-0.2	-0.3%
72.5%	60.7	60.6	-0.1	-0.2%
73.8%	60.7	60.6	-0.1	-0.2%
75.0%	60.6	60.4	-0.3	-0.4%
76.3%	60.6	60.3	-0.3	-0.4%
77.5%	60.6	60.3	-0.3	-0.5%
78.8%	60.5	60.3	-0.2	-0.3%
80.0%	60.4	60.2	-0.2	-0.3%
81.3%	60.2	60.1	-0.1	-0.2%
82.5%	60.1	60.1	0.0	0.0%
83.8%	60.0	60.0	0.0	0.0%
85.0%	59.9	60.0	0.1	0.2%
86.3%	59.8	59.9	0.1	0.1%
87.5%	59.8	59.8	0.0	0.0%
88.8%	59.6	59.8	0.2	0.4%
90.0%	59.5	59.7	0.2	0.3%
91.3%	59.5	59.6	0.1	0.2%
92.5%	59.5	59.5	0.0	0.1%
93.8%	59.4	59.4	0.0	0.0%
95.0%	59.2	59.3	0.1	0.2%
96.3%	58.9	59.0	0.1	0.2%
97.5%	58.8	58.7	-0.1	-0.2%
98.8%	58.8	58.7	-0.1	-0.2%
100.0%	58.7	58.6	-0.1	-0.1%

September

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	72.5	71.3	-1.2	-1.6%
1.3%	71.5	70.0	-1.5	-2.0%
2.5%	70.8	68.2	-2.7	-3.7%
3.8%	68.7	67.8	-0.9	-1.3%
5.0%	67.5	67.4	-0.1	-0.1%
6.3%	67.4	66.3	-1.1	-1.7%
7.5%	66.4	66.0	-0.4	-0.6%
8.8%	66.3	65.2	-1.2	-1.8%
10.0%	66.2	64.8	-1.4	-2.1%
11.3%	65.5	64.7	-0.8	-1.3%
12.5%	65.0	64.6	-0.4	-0.6%
13.8%	64.9	64.4	-0.5	-0.7%
15.0%	64.6	64.2	-0.4	-0.6%
16.3%	64.2	64.0	-0.2	-0.2%
17.5%	63.3	64.0	0.7	1.1%
18.8%	63.3	63.6	0.3	0.5%
20.0%	63.1	63.5	0.5	0.7%
21.3%	63.0	63.2	0.2	0.3%
22.5%	63.0	62.6	-0.4	-0.6%
23.8%	62.8	62.5	-0.3	-0.5%
25.0%	62.8	62.5	-0.3	-0.5%
26.3%	62.7	62.5	-0.3	-0.4%
27.5%	62.6	62.5	-0.1	-0.2%
28.8%	62.5	62.4	-0.1	-0.1%
30.0%	62.4	62.3	-0.1	-0.2%
31.3%	62.3	62.3	0.0	0.0%
32.5%	62.3	62.3	0.0	0.0%
33.8%	62.2	62.2	0.0	0.0%
35.0%	62.2	62.1	-0.1	-0.1%
36.3%	62.1	62.0	-0.1	-0.2%
37.5%	62.1	62.0	-0.1	-0.1%
38.8%	62.1	62.0	-0.1	-0.2%
40.0%	62.1	62.0	-0.1	-0.2%
41.3%	61.9	61.9	0.0	0.0%
42.5%	61.9	61.9	0.0	0.0%
43.8%	61.9	61.9	0.0	0.0%
45.0%	61.8	61.8	0.0	0.0%
46.3%	61.8	61.8	0.0	0.0%
47.5%	61.7	61.8	0.0	0.1%
48.8%	61.7	61.8	0.0	0.1%
50.0%	61.7	61.7	0.0	0.0%
51.3%	61.7	61.6	-0.1	-0.2%
52.5%	61.6	61.5	-0.1	-0.1%
53.8%	61.5	61.4	-0.1	-0.1%
55.0%	61.5	61.3	-0.2	-0.3%
56.3%	61.5	61.3	-0.2	-0.3%
57.5%	61.5	61.3	-0.2	-0.3%
58.8%	61.5	61.3	-0.2	-0.3%
60.0%	61.4	61.3	-0.2	-0.3%
61.3%	61.4	61.2	-0.2	-0.3%
62.5%	61.2	61.2	0.0	0.0%
63.8%	61.1	61.0	-0.1	-0.2%
65.0%	61.0	61.0	-0.1	-0.1%
66.3%	60.9	60.9	0.0	0.0%
67.5%	60.7	60.8	0.1	0.1%
68.8%	60.7	60.7	0.1	0.1%
70.0%	60.7	60.7	0.0	0.0%
71.3%	60.6	60.7	0.0	0.1%
72.5%	60.6	60.6	0.0	0.0%
73.8%	60.6	60.5	-0.1	-0.1%
75.0%	60.6	60.5	-0.1	-0.1%
76.3%	60.6	60.5	-0.1	-0.2%
77.5%	60.5	60.3	-0.3	-0.4%
78.8%	60.3	60.3	-0.1	-0.1%
80.0%	60.3	60.2	-0.1	-0.1%
81.3%	60.3	60.2	0.0	-0.1%
82.5%	60.2	60.2	0.0	-0.1%
83.8%	60.2	60.1	-0.1	-0.1%
85.0%	60.1	60.1	0.0	-0.1%
86.3%	60.0	60.0	0.0	0.0%
87.5%	60.0	60.0	0.0	0.0%
88.8%	60.0	60.0	0.0	0.0%
90.0%	60.0	60.0	0.0	-0.1%
91.3%	59.7	59.8	0.1	0.2%
92.5%	59.7	59.8	0.1	0.2%
93.8%	59.5	59.4	0.0	0.0%
95.0%	59.4	59.4	0.0	0.0%
96.3%	59.4	59.1	-0.3	-0.5%
97.5%	59.4	58.9	-0.4	-0.7%
98.8%	58.9	58.8	-0.1	-0.2%
100.0%	58.0	58.7	0.7	1.3%

Table SQ **40**-4a
American River at Watt Avenue, Monthly Temperature
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
					Monthly Temperature (DEG-F)							
Long-term												
Full Simulation Period[1]												
No Action Alternative	61.4	56.0	50.7	47.5	48.9	52.6	56.0	58.6	61.6	64.4	65.7	64.9
Alternative D	61.1	56.0	50.8	47.6	48.9	52.6	56.1	58.7	61.7	64.4	65.4	64.8
Difference	-0.3	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.2	0.0	-0.3	-0.1
Percent Difference[3]	-0.5%	0.1%	0.3%	0.1%	0.0%	0.0%	0.2%	0.0%	0.3%	0.0%	-0.4%	-0.2%
Water Year Types[2]												
Wet (32%)												
No Action Alternative	60.1	56.1	51.4	47.8	48.6	51.4	54.4	55.8	58.6	62.6	63.7	63.1
Alternative D	59.8	56.2	51.5	47.8	48.6	51.4	54.4	55.7	58.6	62.6	63.6	63.3
Difference	-0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	0.1
Percent Difference	-0.5%	0.0%	0.2%	0.1%	0.0%	0.0%	0.0%	-0.1%	0.0%	0.1%	-0.2%	0.2%
Above Normal (15%)												
No Action Alternative	60.2	55.5	50.5	47.8	48.4	51.6	55.1	57.4	60.4	63.2	64.4	63.5
Alternative D	59.9	55.7	50.7	47.9	48.4	51.7	55.2	57.4	60.5	63.2	64.1	63.5
Difference	-0.3	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	-0.1	-0.2	0.0
Percent Difference	-0.6%	0.3%	0.4%	0.1%	0.1%	0.2%	0.2%	0.1%	0.2%	-0.1%	-0.4%	0.0%
Below Normal (17%)												
No Action Alternative	60.8	56.2	51.1	47.3	48.3	52.6	56.1	58.3	61.3	63.5	64.9	64.1
Alternative D	60.7	56.1	51.2	47.4	48.3	52.6	56.0	58.2	61.3	63.5	64.6	64.0
Difference	-0.1	0.0	0.1	0.0	0.0	0.0	-0.1	-0.1	0.1	0.0	-0.3	-0.1
Percent Difference	-0.2%	-0.1%	0.2%	0.1%	0.0%	0.0%	-0.2%	-0.2%	0.1%	0.0%	-0.5%	-0.2%
Dry (22%)												
No Action Alternative	62.6	55.9	50.4	47.4	49.5	53.4	57.1	60.5	63.0	64.9	66.2	65.6
Alternative D	62.1	55.9	50.6	47.5	49.5	53.5	57.4	61.0	63.6	64.8	65.9	65.4
Difference	-0.4	0.1	0.2	0.1	0.0	0.1	0.2	0.4	0.6	-0.1	-0.3	-0.2
Percent Difference	-0.7%	0.2%	0.4%	0.2%	0.0%	0.2%	0.4%	0.7%	1.0%	-0.1%	-0.5%	-0.3%
Critical (15%)												
No Action Alternative	64.6	56.0	49.0	47.2	49.9	54.9	58.9	63.7	67.2	69.7	71.4	70.0
Alternative D	64.3	56.0	49.1	47.3	50.0	54.8	59.2	63.3	67.3	69.8	70.9	69.3
Difference	-0.2	0.1	0.1	0.1	0.1	-0.1	0.2	-0.4	0.0	0.0	-0.5	-0.7
Percent Difference	-0.4%	0.1%	0.2%	0.2%	0.2%	-0.1%	0.4%	-0.6%	0.1%	0.0%	-0.6%	-1.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)
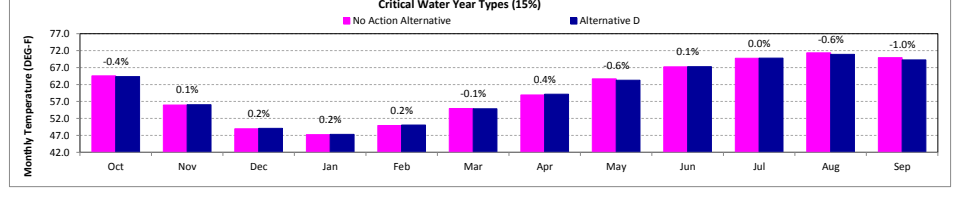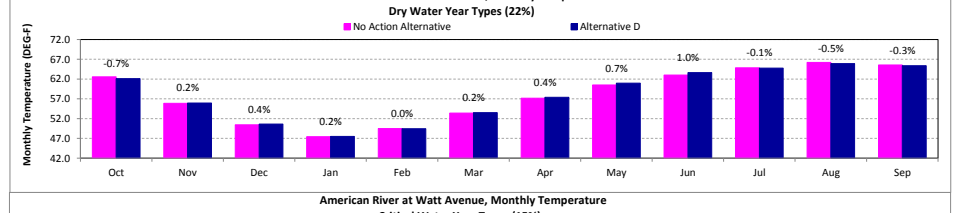
3 Relative difference of the monthly average

American River at Watt Avenue, Monthly Temperature — Full Simulation Period

American River at Watt Avenue, Monthly Temperature — Wet Water Year Types (32%)

American River at Watt Avenue, Monthly Temperature — Above Normal Water Year Types (15%)

American River at Watt Avenue, Monthly Temperature — Below Normal Water Year Types (17%)

American River at Watt Avenue, Monthly Temperature — Dry Water Year Types (22%)

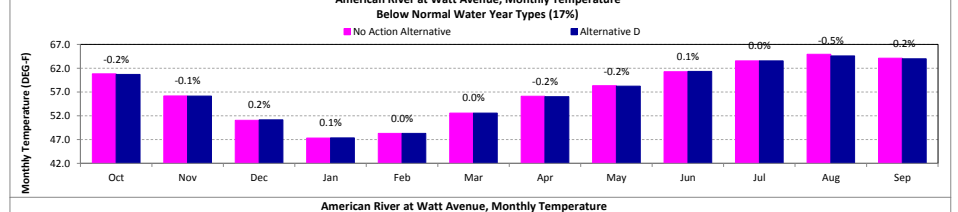American River at Watt Avenue, Monthly Temperature — Critical Water Year Types (15%)

Figure SQ-40-4b
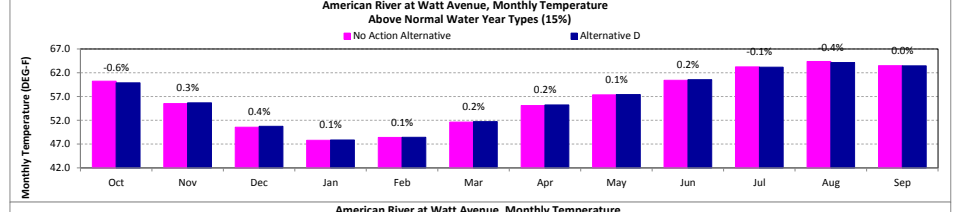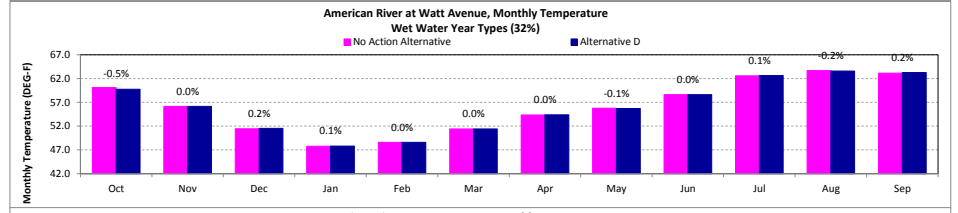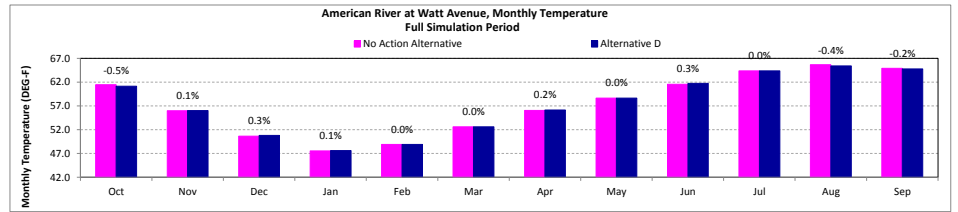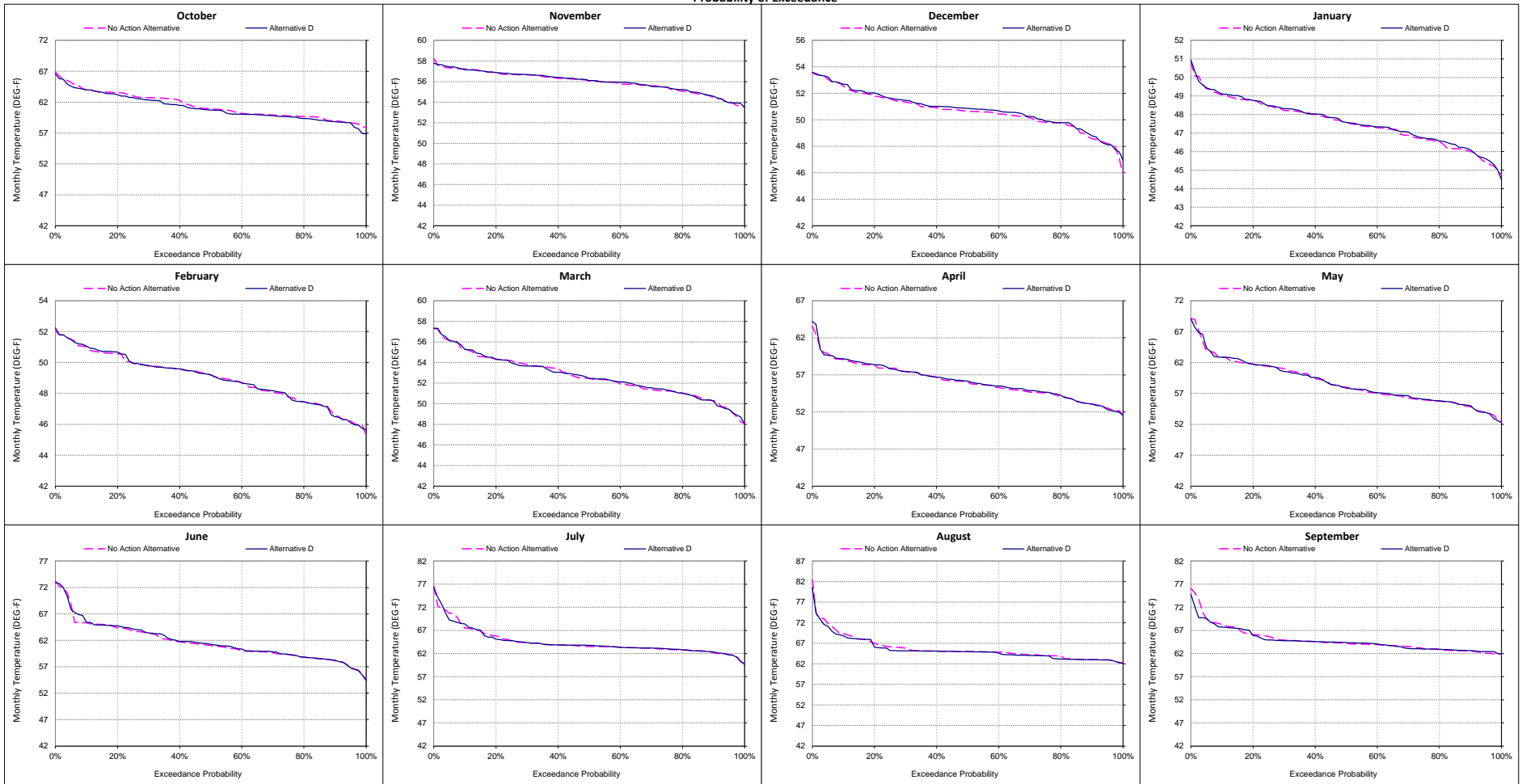**American River at Watt Avenue, Monthly Temperature**
Probability of Exceedance

Table SQ-40-4b
American River at Watt Avenue, Monthly Temperature
Probability of Exceedance

October

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	66.9	66.5	-0.3	-0.5%
1.3%	66.2	65.8	-0.4	-0.7%
2.5%	65.7	65.7	0.0	0.0%
3.8%	65.5	65.0	-0.6	-0.9%
5.0%	65.2	64.6	-0.6	-0.9%
6.3%	64.8	64.3	-0.4	-0.7%
7.5%	64.7	64.3	-0.4	-0.6%
8.8%	64.2	64.1	-0.1	-0.1%
10.0%	64.0	64.0	0.0	0.1%
11.3%	63.9	64.0	0.1	0.1%
12.5%	63.8	63.8	0.0	0.0%
13.8%	63.7	63.7	0.0	0.0%
15.0%	63.7	63.6	0.0	0.0%
16.3%	63.6	63.4	-0.2	-0.3%
17.5%	63.6	63.4	-0.3	-0.4%
18.8%	63.5	63.3	-0.2	-0.3%
20.0%	63.5	63.2	-0.3	-0.5%
21.3%	63.5	63.0	-0.5	-0.8%
22.5%	63.4	63.0	-0.4	-0.6%
23.8%	63.1	62.8	-0.4	-0.6%
25.0%	63.0	62.7	-0.3	-0.5%
26.3%	62.8	62.6	-0.3	-0.4%
27.5%	62.8	62.5	-0.3	-0.4%
28.8%	62.8	62.4	-0.3	-0.5%
30.0%	62.7	62.4	-0.4	-0.6%
31.3%	62.7	62.3	-0.4	-0.7%
32.5%	62.7	62.3	-0.4	-0.7%
33.8%	62.7	62.2	-0.5	-0.7%
35.0%	62.6	61.7	-0.9	-1.4%
36.3%	62.6	61.7	-0.9	-1.4%
37.5%	62.5	61.6	-0.9	-1.5%
38.8%	62.5	61.6	-0.9	-1.4%
40.0%	62.3	61.5	-0.8	-1.3%
41.3%	61.8	61.5	-0.3	-0.5%
42.5%	61.6	61.1	-0.5	-0.8%
43.8%	61.5	61.0	-0.4	-0.7%
45.0%	61.2	61.0	-0.2	-0.3%
46.3%	61.1	60.9	-0.1	-0.2%
47.5%	61.0	60.8	-0.2	-0.3%
48.8%	61.0	60.8	-0.2	-0.3%
50.0%	60.9	60.7	-0.2	-0.3%
51.3%	60.9	60.7	-0.2	-0.3%
52.5%	60.8	60.7	-0.2	-0.3%
53.8%	60.8	60.6	-0.1	-0.2%
55.0%	60.7	60.2	-0.5	-0.8%
56.3%	60.7	60.2	-0.5	-0.9%
57.5%	60.5	60.1	-0.4	-0.7%
58.8%	60.2	60.1	-0.2	-0.3%
60.0%	60.2	60.0	-0.1	-0.2%
61.3%	60.1	60.0	-0.1	-0.1%
62.5%	60.0	60.0	0.0	0.0%
63.8%	60.0	60.0	0.0	-0.1%
65.0%	60.0	60.0	-0.1	-0.1%
66.3%	60.0	60.0	-0.1	-0.1%
67.5%	60.0	59.9	-0.1	-0.2%
68.8%	60.0	59.8	-0.1	-0.2%
70.0%	59.9	59.8	-0.1	-0.2%
71.3%	59.9	59.7	-0.2	-0.3%
72.5%	59.8	59.7	-0.2	-0.3%
73.8%	59.8	59.7	-0.1	-0.2%
75.0%	59.8	59.6	-0.1	-0.2%
76.3%	59.8	59.6	-0.2	-0.3%
77.5%	59.8	59.5	-0.2	-0.3%
78.8%	59.7	59.4	-0.3	-0.5%
80.0%	59.7	59.4	-0.3	-0.5%
81.3%	59.7	59.3	-0.3	-0.5%
82.5%	59.6	59.3	-0.4	-0.6%
83.8%	59.6	59.2	-0.4	-0.7%
85.0%	59.6	59.1	-0.5	-0.9%
86.3%	59.3	59.0	-0.3	-0.5%
87.5%	59.0	58.9	-0.1	-0.2%
88.8%	59.0	58.8	-0.1	-0.2%
90.0%	59.0	58.8	-0.1	-0.3%
91.3%	58.9	58.8	-0.2	-0.3%
92.5%	58.8	58.8	0.0	0.0%
93.8%	58.7	58.7	0.0	-0.1%
95.0%	58.6	58.7	0.0	0.1%
96.3%	58.6	57.9	-0.7	-1.1%
97.5%	58.5	57.7	-0.7	-1.3%
98.8%	58.0	56.9	-1.1	-1.8%
100.0%	58.0	56.9	-1.1	-1.9%

November

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	58.2	57.8	-0.4	-0.8%
1.3%	57.6	57.7	0.1	0.1%
2.5%	57.5	57.6	0.2	0.3%
3.8%	57.4	57.5	0.1	0.2%
5.0%	57.3	57.4	0.1	0.2%
6.3%	57.3	57.4	0.1	0.2%
7.5%	57.3	57.3	0.1	0.2%
8.8%	57.2	57.2	0.0	0.0%
10.0%	57.2	57.2	-0.1	-0.1%
11.3%	57.2	57.1	0.0	-0.1%
12.5%	57.2	57.1	0.0	0.0%
13.8%	57.1	57.1	-0.1	-0.1%
15.0%	57.0	57.1	0.1	0.1%
16.3%	57.0	57.0	0.0	0.0%
17.5%	56.9	56.9	0.0	0.0%
18.8%	56.9	56.9	0.0	0.0%
20.0%	56.8	56.9	0.1	0.1%
21.3%	56.8	56.9	0.1	0.2%
22.5%	56.7	56.8	0.1	0.2%
23.8%	56.7	56.8	0.1	0.2%
25.0%	56.7	56.7	0.0	0.1%
26.3%	56.7	56.7	0.1	0.1%
27.5%	56.7	56.7	0.0	0.1%
28.8%	56.7	56.7	0.0	0.1%
30.0%	56.7	56.7	0.0	0.1%
31.3%	56.6	56.7	0.0	0.0%
32.5%	56.6	56.6	0.0	0.0%
33.8%	56.6	56.6	0.0	0.0%
35.0%	56.5	56.6	0.1	0.2%
36.3%	56.4	56.5	0.1	0.2%
37.5%	56.4	56.5	0.1	0.1%
38.8%	56.4	56.4	0.1	0.1%
40.0%	56.3	56.4	0.1	0.2%
41.3%	56.3	56.4	0.1	0.1%
42.5%	56.3	56.3	0.0	0.1%
43.8%	56.3	56.3	0.0	0.1%
45.0%	56.2	56.3	0.1	0.1%
46.3%	56.2	56.2	0.0	0.0%
47.5%	56.2	56.2	0.0	0.1%
48.8%	56.2	56.2	0.0	0.1%
50.0%	56.0	56.1	0.1	0.1%
51.3%	56.0	56.1	0.1	0.1%
52.5%	56.0	56.1	0.0	0.1%
53.8%	56.0	56.0	0.0	-0.1%
55.0%	56.0	56.0	0.0	0.0%
56.3%	56.0	56.0	0.0	0.0%
57.5%	55.9	55.9	0.0	0.0%
58.8%	55.9	55.9	0.0	0.1%
60.0%	55.8	55.9	0.2	0.3%
61.3%	55.7	55.9	0.2	0.3%
62.5%	55.7	55.9	0.2	0.3%
63.8%	55.7	55.9	0.1	0.2%
65.0%	55.7	55.8	0.1	0.2%
66.3%	55.7	55.7	0.0	0.1%
67.5%	55.6	55.7	0.1	0.1%
68.8%	55.6	55.7	0.1	0.1%
70.0%	55.6	55.5	-0.1	-0.1%
71.3%	55.6	55.5	-0.1	-0.1%
72.5%	55.5	55.5	0.0	-0.1%
73.8%	55.5	55.5	0.0	0.0%
75.0%	55.5	55.5	0.0	0.0%
76.3%	55.3	55.3	0.1	0.1%
77.5%	55.2	55.3	0.1	0.1%
78.8%	55.1	55.2	0.1	0.2%
80.0%	55.1	55.2	0.2	0.3%
81.3%	55.1	55.2	0.1	0.3%
82.5%	55.0	55.0	0.1	0.1%
83.8%	54.9	55.0	0.1	0.1%
85.0%	54.8	55.0	0.2	0.3%
86.3%	54.8	54.8	0.1	0.1%
87.5%	54.8	54.7	-0.1	-0.1%
88.8%	54.6	54.7	0.0	0.1%
90.0%	54.5	54.6	0.1	0.2%
91.3%	54.3	54.4	0.1	0.1%
92.5%	54.3	54.3	0.0	0.0%
93.8%	54.1	54.1	0.0	0.0%
95.0%	54.1	54.0	-0.1	-0.2%
96.3%	53.9	53.9	0.0	0.0%
97.5%	53.7	53.9	0.2	0.4%
98.8%	53.6	53.9	0.3	0.5%
100.0%	53.5	53.5	0.0	-0.1%

December

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	53.6	53.6	0.0	0.0%
1.3%	53.4	53.5	0.1	0.2%
2.5%	53.4	53.3	0.0	-0.1%
3.8%	53.3	53.3	0.0	0.0%
5.0%	53.1	53.3	0.2	0.4%
6.3%	52.9	52.9	0.0	0.0%
7.5%	52.8	52.9	0.0	0.1%
8.8%	52.8	52.8	-0.1	-0.1%
10.0%	52.5	52.7	0.1	0.3%
11.3%	52.3	52.7	0.3	0.6%
12.5%	52.2	52.3	0.1	0.1%
13.8%	52.1	52.2	0.1	0.2%
15.0%	52.1	52.2	0.1	0.2%
16.3%	52.0	52.2	0.2	0.3%
17.5%	52.0	52.0	0.1	0.1%
18.8%	51.9	52.0	0.1	0.3%
20.0%	51.8	52.0	0.3	0.5%
21.3%	51.8	51.9	0.2	0.3%
22.5%	51.7	51.8	0.1	0.2%
23.8%	51.6	51.7	0.0	0.1%
25.0%	51.6	51.6	0.0	0.1%
26.3%	51.5	51.6	0.1	0.2%
27.5%	51.4	51.5	0.1	0.3%
28.8%	51.4	51.5	0.1	0.2%
30.0%	51.3	51.5	0.1	0.3%
31.3%	51.3	51.5	0.2	0.3%
32.5%	51.2	51.3	0.1	0.2%
33.8%	51.2	51.3	0.0	0.1%
35.0%	51.0	51.2	0.2	0.4%
36.3%	51.0	51.1	0.1	0.3%
37.5%	51.0	51.0	0.1	0.2%
38.8%	51.0	51.0	0.1	0.1%
40.0%	50.9	51.0	0.1	0.2%
41.3%	50.8	51.0	0.2	0.4%
42.5%	50.8	51.0	0.2	0.4%
43.8%	50.8	51.0	0.2	0.4%
45.0%	50.8	51.0	0.2	0.4%
46.3%	50.8	50.9	0.1	0.3%
47.5%	50.7	50.9	0.2	0.4%
48.8%	50.7	50.9	0.2	0.4%
50.0%	50.7	50.9	0.2	0.4%
51.3%	50.6	50.8	0.2	0.4%
52.5%	50.6	50.8	0.2	0.4%
53.8%	50.6	50.8	0.2	0.4%
55.0%	50.6	50.8	0.2	0.4%
56.3%	50.6	50.8	0.2	0.3%
57.5%	50.6	50.7	0.2	0.3%
58.8%	50.5	50.7	0.2	0.5%
60.0%	50.4	50.7	0.2	0.5%
61.3%	50.4	50.6	0.2	0.3%
62.5%	50.4	50.6	0.2	0.4%
63.8%	50.4	50.6	0.2	0.4%
65.0%	50.3	50.6	0.2	0.5%
66.3%	50.3	50.5	0.2	0.5%
67.5%	50.3	50.5	0.2	0.4%
68.8%	50.3	50.3	0.0	0.1%
70.0%	50.2	50.3	0.1	0.2%
71.3%	50.1	50.2	0.2	0.3%
72.5%	49.9	50.1	0.2	0.4%
73.8%	49.9	50.0	0.2	0.4%
75.0%	49.8	49.9	0.1	0.2%
76.3%	49.8	49.9	0.1	0.2%
77.5%	49.8	49.8	0.1	0.1%
78.8%	49.8	49.8	0.0	0.0%
80.0%	49.8	49.8	0.0	0.0%
81.3%	49.7	49.8	0.1	0.1%
82.5%	49.6	49.8	0.2	0.4%
83.8%	49.5	49.6	0.1	0.1%
85.0%	49.4	49.3	-0.1	-0.2%
86.3%	49.0	49.3	0.3	0.6%
87.5%	49.0	49.1	0.2	0.3%
88.8%	48.7	49.0	0.3	0.5%
90.0%	48.6	48.8	0.2	0.4%
91.3%	48.5	48.7	0.2	0.4%
92.5%	48.4	48.4	0.0	-0.1%
93.8%	48.3	48.2	-0.1	-0.2%
95.0%	48.2	48.1	-0.1	-0.2%
96.3%	48.1	48.1	0.0	-0.1%
97.5%	48.0	47.7	-0.2	-0.5%
98.8%	47.1	47.6	0.5	1.0%
100.0%	45.9	46.9	1.0	2.3%

January

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	50.8	50.9	0.1	0.2%
1.3%	50.1	50.3	0.2	0.5%
2.5%	50.1	49.8	-0.3	-0.6%
3.8%	49.6	49.6	0.0	-0.1%
5.0%	49.4	49.4	0.0	0.1%
6.3%	49.4	49.4	0.0	0.0%
7.5%	49.2	49.3	0.1	0.2%
8.8%	49.1	49.2	0.1	0.1%
10.0%	49.1	49.1	0.0	0.1%
11.3%	49.0	49.1	0.0	0.1%
12.5%	49.0	49.1	0.1	0.2%
13.8%	48.9	49.0	0.1	0.3%
15.0%	48.8	49.0	0.2	0.5%
16.3%	48.8	49.0	0.2	0.3%
17.5%	48.8	48.8	0.0	0.0%
18.8%	48.8	48.8	0.0	0.1%
20.0%	48.8	48.8	0.0	0.0%
21.3%	48.7	48.7	0.0	0.0%
22.5%	48.6	48.7	0.1	0.3%
23.8%	48.5	48.6	0.0	0.1%
25.0%	48.5	48.5	0.0	0.0%
26.3%	48.4	48.5	0.1	0.1%
27.5%	48.3	48.4	0.1	0.2%
28.8%	48.3	48.4	0.0	0.1%
30.0%	48.2	48.3	0.1	0.2%
31.3%	48.2	48.3	0.1	0.2%
32.5%	48.2	48.3	0.1	0.2%
33.8%	48.2	48.3	0.1	0.2%
35.0%	48.2	48.2	0.1	0.1%
36.3%	48.1	48.1	0.0	0.0%
37.5%	48.1	48.0	-0.1	-0.1%
38.8%	48.0	48.0	0.0	0.0%
40.0%	48.0	48.0	0.0	0.1%
41.3%	48.0	48.0	0.1	0.1%
42.5%	47.9	48.0	0.1	0.2%
43.8%	47.8	47.9	0.0	0.0%
45.0%	47.8	47.8	0.0	0.0%
46.3%	47.7	47.8	0.1	0.2%
47.5%	47.7	47.8	0.1	0.2%
48.8%	47.6	47.6	0.0	0.0%
50.0%	47.6	47.6	0.0	-0.1%
51.3%	47.5	47.5	0.0	0.1%
52.5%	47.5	47.5	0.0	0.1%
53.8%	47.4	47.5	0.1	0.1%
55.0%	47.4	47.4	0.0	0.1%
56.3%	47.4	47.4	0.0	0.1%
57.5%	47.3	47.4	0.1	0.1%
58.8%	47.3	47.3	0.0	0.0%
60.0%	47.3	47.3	0.0	0.1%
61.3%	47.3	47.3	0.1	0.1%
62.5%	47.3	47.3	0.0	0.1%
63.8%	47.2	47.3	0.0	0.1%
65.0%	47.2	47.2	0.0	-0.1%
66.3%	47.2	47.1	0.0	-0.1%
67.5%	46.9	47.1	0.2	0.3%
68.8%	46.9	47.1	0.2	0.4%
70.0%	46.9	47.1	0.2	0.4%
71.3%	46.8	46.9	0.1	0.3%
72.5%	46.7	46.8	0.1	0.2%
73.8%	46.7	46.8	0.0	0.1%
75.0%	46.7	46.7	0.0	0.1%
76.3%	46.6	46.7	0.1	0.2%
77.5%	46.6	46.7	0.1	0.1%
78.8%	46.6	46.7	0.1	0.2%
80.0%	46.5	46.6	0.0	0.1%
81.3%	46.4	46.5	0.1	0.3%
82.5%	46.2	46.5	0.3	0.6%
83.8%	46.2	46.4	0.2	0.5%
85.0%	46.2	46.4	0.2	0.5%
86.3%	46.2	46.2	0.1	0.2%
87.5%	46.1	46.2	0.1	0.2%
88.8%	46.1	46.2	0.1	0.3%
90.0%	46.0	46.1	0.1	0.2%
91.3%	45.9	45.9	0.0	0.0%
92.5%	45.8	45.7	0.0	-0.1%
93.8%	45.5	45.7	0.1	0.3%
95.0%	45.4	45.6	0.2	0.4%
96.3%	45.3	45.5	0.2	0.4%
97.5%	45.2	45.3	0.1	0.2%
98.8%	45.0	45.0	0.0	0.0%
100.0%	44.8	44.5	-0.3	-0.6%

Table SQ-**40**-4b
American River at Watt Avenue, Monthly Temperature
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	52.1	52.3	0.2	0.4%
1.3%	51.8	51.8	0.0	0.0%
2.5%	51.8	51.8	0.0	0.1%
3.8%	51.6	51.6	0.0	0.0%
5.0%	51.5	51.5	0.0	-0.1%
6.3%	51.4	51.3	-0.1	-0.2%
7.5%	51.1	51.2	0.1	0.3%
8.8%	51.1	51.2	0.1	0.2%
10.0%	51.0	51.1	0.0	0.1%
11.3%	50.8	50.9	0.2	0.3%
12.5%	50.7	50.9	0.2	0.4%
13.8%	50.7	50.8	0.1	0.2%
15.0%	50.6	50.7	0.1	0.2%
16.3%	50.6	50.7	0.1	0.2%
17.5%	50.6	50.7	0.1	0.2%
18.8%	50.6	50.7	0.1	0.2%
20.0%	50.6	50.7	0.1	0.2%
21.3%	50.5	50.5	0.0	0.0%
22.5%	50.1	50.5	0.5	0.9%
23.8%	50.0	50.1	0.1	0.1%
25.0%	50.0	50.0	0.0	0.0%
26.3%	49.9	49.9	0.1	0.1%
27.5%	49.9	49.9	0.0	0.1%
28.8%	49.8	49.8	0.0	0.0%
30.0%	49.8	49.8	0.1	0.1%
31.3%	49.8	49.8	0.0	0.0%
32.5%	49.8	49.7	0.0	-0.1%
33.8%	49.7	49.7	0.0	0.0%
35.0%	49.7	49.7	0.0	0.0%
36.3%	49.6	49.6	0.0	0.0%
37.5%	49.6	49.6	0.0	0.0%
38.8%	49.6	49.6	0.0	0.0%
40.0%	49.6	49.6	0.0	0.0%
41.3%	49.5	49.6	0.1	0.1%
42.5%	49.5	49.5	0.0	0.0%
43.8%	49.5	49.5	0.0	0.0%
45.0%	49.5	49.4	-0.1	-0.1%
46.3%	49.4	49.3	-0.1	-0.1%
47.5%	49.3	49.3	0.0	-0.1%
48.8%	49.3	49.3	0.0	-0.1%
50.0%	49.2	49.2	0.0	0.0%
51.3%	49.1	49.1	0.0	-0.1%
52.5%	49.0	49.0	-0.1	-0.1%
53.8%	49.0	48.9	-0.1	-0.2%
55.0%	48.9	48.8	-0.1	-0.2%
56.3%	48.9	48.8	-0.1	-0.2%
57.5%	48.8	48.8	0.0	-0.1%
58.8%	48.8	48.8	0.0	-0.1%
60.0%	48.7	48.7	0.0	0.0%
61.3%	48.6	48.6	0.0	0.1%
62.5%	48.4	48.6	0.2	0.4%
63.8%	48.4	48.6	0.2	0.4%
65.0%	48.4	48.3	-0.1	-0.1%
66.3%	48.2	48.3	0.1	0.1%
67.5%	48.2	48.2	0.1	0.1%
68.8%	48.2	48.2	0.0	0.1%
70.0%	48.1	48.2	0.1	0.2%
71.3%	48.0	48.1	0.1	0.2%
72.5%	48.0	48.1	0.1	0.1%
73.8%	47.9	48.0	0.1	0.3%
75.0%	47.8	47.8	0.0	0.1%
76.3%	47.7	47.6	-0.2	-0.3%
77.5%	47.6	47.5	-0.1	-0.3%
78.8%	47.5	47.5	0.0	0.0%
80.0%	47.5	47.5	0.0	0.0%
81.3%	47.4	47.4	0.0	0.0%
82.5%	47.4	47.3	0.0	-0.1%
83.8%	47.4	47.3	-0.1	-0.1%
85.0%	47.3	47.3	0.0	0.0%
86.3%	47.2	47.2	0.0	0.0%
87.5%	47.2	47.1	-0.1	-0.1%
88.8%	46.8	46.6	-0.2	-0.4%
90.0%	46.6	46.5	-0.1	-0.3%
91.3%	46.5	46.5	0.0	0.0%
92.5%	46.3	46.3	0.0	0.0%
93.8%	46.3	46.3	0.0	0.0%
95.0%	46.2	46.1	-0.1	-0.2%
96.3%	46.0	46.0	-0.1	-0.2%
97.5%	46.0	46.0	0.0	0.0%
98.8%	45.9	45.7	-0.2	-0.4%
100.0%	45.3	45.7	0.3	0.8%

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	57.3	57.3	0.0	0.1%
1.3%	57.3	57.3	0.0	0.1%
2.5%	56.6	56.7	0.1	0.2%
3.8%	56.3	56.5	0.2	0.4%
5.0%	56.2	56.1	0.0	-0.1%
6.3%	56.1	56.1	0.0	-0.1%
7.5%	56.0	55.9	-0.1	-0.2%
8.8%	55.4	55.7	0.3	0.5%
10.0%	55.3	55.3	-0.1	-0.1%
11.3%	55.2	55.3	0.1	0.1%
12.5%	55.0	55.2	0.2	0.3%
13.8%	54.7	54.9	0.3	0.5%
15.0%	54.6	54.9	0.3	0.5%
16.3%	54.6	54.6	0.1	0.1%
17.5%	54.5	54.5	0.1	0.1%
18.8%	54.4	54.5	0.1	0.2%
20.0%	54.3	54.3	0.0	-0.1%
21.3%	54.3	54.3	0.0	0.0%
22.5%	54.3	54.2	0.0	-0.1%
23.8%	54.2	54.2	0.0	0.0%
25.0%	54.2	54.0	-0.2	-0.4%
26.3%	54.0	53.9	-0.2	-0.3%
27.5%	54.0	53.7	-0.3	-0.5%
28.8%	53.9	53.7	-0.2	-0.4%
30.0%	53.8	53.7	-0.1	-0.3%
31.3%	53.7	53.7	0.0	-0.1%
32.5%	53.7	53.7	0.0	-0.1%
33.8%	53.6	53.6	0.0	0.0%
35.0%	53.6	53.6	0.0	0.1%
36.3%	53.6	53.4	-0.2	-0.3%
37.5%	53.5	53.2	-0.3	-0.5%
38.8%	53.5	53.1	-0.4	-0.7%
40.0%	53.4	53.0	-0.4	-0.7%
41.3%	53.1	53.0	-0.1	-0.2%
42.5%	53.0	52.9	-0.1	-0.1%
43.8%	52.8	52.9	0.1	0.3%
45.0%	52.7	52.9	0.2	0.3%
46.3%	52.5	52.8	0.3	0.5%
47.5%	52.5	52.7	0.2	0.5%
48.8%	52.5	52.6	0.1	0.2%
50.0%	52.5	52.5	0.0	0.0%
51.3%	52.4	52.5	0.1	0.2%
52.5%	52.4	52.4	0.0	0.1%
53.8%	52.4	52.4	0.0	0.1%
55.0%	52.3	52.4	0.0	0.1%
56.3%	52.3	52.3	0.0	0.1%
57.5%	52.2	52.2	0.0	0.0%
58.8%	52.2	52.1	0.0	-0.1%
60.0%	51.9	52.1	0.2	0.4%
61.3%	51.9	52.1	0.2	0.4%
62.5%	51.8	52.0	0.2	0.4%
63.8%	51.8	52.0	0.2	0.4%
65.0%	51.7	51.8	0.1	0.2%
66.3%	51.7	51.8	0.1	0.2%
67.5%	51.4	51.7	0.2	0.4%
68.8%	51.4	51.6	0.2	0.4%
70.0%	51.4	51.5	0.2	0.4%
71.3%	51.3	51.5	0.2	0.3%
72.5%	51.3	51.4	0.2	0.3%
73.8%	51.3	51.4	0.2	0.3%
75.0%	51.2	51.3	0.1	0.2%
76.3%	51.2	51.3	0.0	0.1%
77.5%	51.2	51.2	0.0	0.0%
78.8%	51.1	51.0	0.0	-0.1%
80.0%	51.0	51.0	0.0	0.0%
81.3%	50.9	50.9	0.0	0.0%
82.5%	50.9	50.8	-0.1	-0.1%
83.8%	50.8	50.7	-0.1	-0.2%
85.0%	50.7	50.5	-0.1	-0.3%
86.3%	50.5	50.4	-0.1	-0.3%
87.5%	50.4	50.4	0.0	0.0%
88.8%	50.4	50.4	0.0	0.0%
90.0%	50.3	50.3	0.0	0.0%
91.3%	50.2	49.8	-0.4	-0.8%
92.5%	49.7	49.7	0.0	0.0%
93.8%	49.7	49.5	-0.1	-0.2%
95.0%	49.5	49.5	0.0	-0.1%
96.3%	49.1	49.1	0.0	0.0%
97.5%	48.7	48.9	0.2	0.4%
98.8%	48.3	48.7	0.5	0.9%
100.0%	48.1	48.1	0.0	0.0%

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	63.6	64.2	0.7	1.0%
1.3%	62.4	63.8	1.4	2.3%
2.5%	60.8	60.5	-0.2	-0.4%
3.8%	60.0	59.7	-0.3	-0.5%
5.0%	59.9	59.6	-0.2	-0.4%
6.3%	59.4	59.6	0.2	0.4%
7.5%	59.2	59.3	0.1	0.2%
8.8%	59.1	59.2	0.1	0.1%
10.0%	59.1	59.2	0.1	0.2%
11.3%	58.9	59.1	0.2	0.3%
12.5%	58.8	58.9	0.2	0.3%
13.8%	58.6	58.8	0.2	0.4%
15.0%	58.6	58.7	0.2	0.3%
16.3%	58.4	58.6	0.2	0.4%
17.5%	58.4	58.5	0.2	0.3%
18.8%	58.4	58.5	0.1	0.2%
20.0%	58.4	58.4	0.0	0.0%
21.3%	57.9	58.3	0.4	0.7%
22.5%	57.9	58.3	0.4	0.6%
23.8%	57.9	58.1	0.2	0.3%
25.0%	57.9	57.8	-0.1	-0.1%
26.3%	57.9	57.8	-0.1	-0.2%
27.5%	57.9	57.6	-0.3	-0.5%
28.8%	57.5	57.5	0.0	0.0%
30.0%	57.5	57.5	0.0	0.0%
31.3%	57.3	57.4	0.1	0.2%
32.5%	57.3	57.4	0.1	0.1%
33.8%	57.3	57.3	0.0	0.1%
35.0%	57.0	57.0	0.0	-0.1%
36.3%	57.0	57.0	0.0	0.0%
37.5%	56.9	56.8	0.0	-0.1%
38.8%	56.8	56.8	0.0	0.0%
40.0%	56.7	56.7	0.0	0.0%
41.3%	56.5	56.7	0.2	0.3%
42.5%	56.3	56.5	0.2	0.4%
43.8%	56.3	56.4	0.2	0.3%
45.0%	56.2	56.4	0.2	0.3%
46.3%	56.2	56.3	0.1	0.2%
47.5%	56.2	56.3	0.1	0.2%
48.8%	56.1	56.2	0.1	0.2%
50.0%	56.0	56.2	0.1	0.2%
51.3%	55.8	56.0	0.2	0.4%
52.5%	55.7	55.9	0.2	0.3%
53.8%	55.7	55.9	0.2	0.4%
55.0%	55.7	55.7	0.0	0.1%
56.3%	55.6	55.7	0.0	0.1%
57.5%	55.5	55.6	0.0	0.1%
58.8%	55.3	55.5	0.2	0.3%
60.0%	55.3	55.5	0.2	0.4%
61.3%	55.2	55.5	0.3	0.5%
62.5%	55.2	55.3	0.2	0.3%
63.8%	55.0	55.2	0.2	0.3%
65.0%	55.0	55.2	0.2	0.4%
66.3%	54.9	55.2	0.2	0.4%
67.5%	54.9	55.1	0.3	0.5%
68.8%	54.8	54.9	0.2	0.3%
70.0%	54.7	54.9	0.2	0.4%
71.3%	54.6	54.9	0.2	0.4%
72.5%	54.6	54.8	0.2	0.4%
73.8%	54.6	54.7	0.1	0.3%
75.0%	54.6	54.7	0.1	0.2%
76.3%	54.6	54.7	0.1	0.1%
77.5%	54.4	54.5	0.0	0.0%
78.8%	54.2	54.4	0.2	0.4%
80.0%	54.1	54.3	0.1	0.2%
81.3%	54.0	53.9	-0.1	-0.1%
82.5%	53.8	53.8	0.0	0.0%
83.8%	53.7	53.7	0.0	0.0%
85.0%	53.5	53.4	-0.1	-0.2%
86.3%	53.3	53.3	0.0	0.0%
87.5%	53.2	53.2	0.0	0.0%
88.8%	53.1	53.1	0.0	0.1%
90.0%	53.1	53.1	0.0	0.0%
91.3%	53.0	52.9	-0.1	-0.2%
92.5%	52.8	52.8	0.0	0.0%
93.8%	52.6	52.7	0.2	0.3%
95.0%	52.5	52.3	-0.2	-0.5%
96.3%	52.3	52.2	-0.1	-0.2%
97.5%	52.2	52.1	-0.1	-0.2%
98.8%	52.2	52.0	-0.2	-0.4%
100.0%	51.5	51.5	0.0	0.1%

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	69.1	69.1	0.0	-0.1%
1.3%	69.0	67.7	-1.3	-1.9%
2.5%	67.2	66.8	-0.4	-0.6%
3.8%	65.5	66.6	1.1	1.7%
5.0%	63.9	64.3	0.5	0.8%
6.3%	63.8	63.8	0.0	0.0%
7.5%	63.6	63.0	-0.6	-1.0%
8.8%	63.0	62.9	-0.1	-0.1%
10.0%	62.9	62.8	0.0	0.0%
11.3%	62.8	62.8	0.0	0.0%
12.5%	62.3	62.8	0.5	0.8%
13.8%	62.3	62.7	0.4	0.7%
15.0%	62.1	62.6	0.5	0.8%
16.3%	62.0	62.4	0.4	0.7%
17.5%	61.9	62.1	0.2	0.3%
18.8%	61.9	61.8	0.0	-0.1%
20.0%	61.8	61.7	-0.1	-0.1%
21.3%	61.6	61.6	0.1	0.1%
22.5%	61.5	61.6	0.0	0.1%
23.8%	61.5	61.6	0.1	0.1%
25.0%	61.4	61.5	0.1	0.1%
26.3%	61.3	61.4	0.1	0.1%
27.5%	61.2	61.2	0.0	0.1%
28.8%	61.1	60.7	-0.4	-0.6%
30.0%	61.0	60.5	-0.5	-0.8%
31.3%	60.6	60.5	-0.1	-0.2%
32.5%	60.6	60.3	-0.3	-0.5%
33.8%	60.5	60.3	-0.2	-0.4%
35.0%	60.4	60.1	-0.3	-0.5%
36.3%	60.2	60.0	-0.3	-0.4%
37.5%	60.2	60.0	-0.2	-0.3%
38.8%	59.6	59.6	0.0	0.0%
40.0%	59.4	59.6	0.2	0.3%
41.3%	59.3	59.5	0.2	0.4%
42.5%	59.2	59.2	0.0	-0.1%
43.8%	59.0	58.8	-0.2	-0.4%
45.0%	58.4	58.5	0.1	0.1%
46.3%	58.4	58.3	0.0	-0.1%
47.5%	58.3	58.3	0.0	-0.1%
48.8%	58.0	58.0	0.0	0.0%
50.0%	58.0	57.9	-0.2	-0.3%
51.3%	57.8	57.8	-0.1	-0.1%
52.5%	57.8	57.7	0.0	-0.1%
53.8%	57.6	57.7	0.0	0.0%
55.0%	57.5	57.7	0.1	0.2%
56.3%	57.3	57.6	0.4	0.6%
57.5%	57.2	57.3	0.2	0.3%
58.8%	57.1	57.2	0.1	0.2%
60.0%	57.0	57.1	0.1	0.1%
61.3%	56.9	57.1	0.2	0.3%
62.5%	56.8	57.0	0.2	0.4%
63.8%	56.8	57.0	0.3	0.5%
65.0%	56.7	56.8	0.1	0.1%
66.3%	56.6	56.7	0.1	0.1%
67.5%	56.6	56.7	0.1	0.2%
68.8%	56.3	56.7	0.3	0.6%
70.0%	56.3	56.6	0.3	0.6%
71.3%	56.2	56.3	0.1	0.3%
72.5%	56.1	56.2	0.1	0.2%
73.8%	56.0	56.2	0.2	0.3%
75.0%	56.0	56.0	0.1	0.1%
76.3%	55.9	56.0	0.1	0.3%
77.5%	55.8	55.9	0.1	0.1%
78.8%	55.8	55.8	0.1	0.1%
80.0%	55.8	55.8	0.1	0.1%
81.3%	55.7	55.8	0.1	0.1%
82.5%	55.6	55.7	0.1	0.1%
83.8%	55.6	55.6	0.0	0.0%
85.0%	55.5	55.4	-0.1	-0.1%
86.3%	55.2	55.2	0.0	0.0%
87.5%	55.2	55.2	0.0	0.1%
88.8%	54.9	55.1	0.2	0.3%
90.0%	54.9	55.0	0.1	0.3%
91.3%	54.4	54.4	0.0	0.1%
92.5%	54.2	54.0	-0.2	-0.3%
93.8%	54.0	54.0	-0.1	-0.1%
95.0%	53.9	53.9	0.0	-0.1%
96.3%	53.7	53.7	0.0	-0.1%
97.5%	53.5	52.9	-0.6	-1.0%
98.8%	52.7	52.6	-0.1	-0.2%
100.0%	52.5	52.3	-0.2	-0.4%

Table SQ-40-4b
American River at Watt Avenue, Monthly Temperature
Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	73.2	72.9	-0.3	-0.4%
1.3%	72.3	72.7	0.5	0.6%
2.5%	71.8	72.0	0.2	0.3%
3.8%	71.1	70.4	-0.7	-1.0%
5.0%	68.8	67.8	-1.0	-1.4%
6.3%	65.4	67.3	1.9	2.9%
7.5%	65.4	66.9	1.5	2.3%
8.8%	65.3	66.7	1.4	2.1%
10.0%	65.3	65.4	0.1	0.1%
11.3%	65.1	65.4	0.3	0.4%
12.5%	65.1	65.0	-0.1	-0.1%
13.8%	65.0	64.9	-0.1	-0.2%
15.0%	65.0	64.9	-0.1	-0.2%
16.3%	65.0	64.9	-0.1	-0.2%
17.5%	64.9	64.8	-0.1	-0.2%
18.8%	64.6	64.8	0.2	0.3%
20.0%	64.4	64.8	0.4	0.6%
21.3%	64.3	64.6	0.3	0.5%
22.5%	64.2	64.4	0.2	0.2%
23.8%	64.1	64.3	0.3	0.5%
25.0%	63.7	64.1	0.4	0.6%
26.3%	63.7	64.0	0.4	0.6%
27.5%	63.6	64.0	0.4	0.6%
28.8%	63.5	63.6	0.1	0.2%
30.0%	63.3	63.4	0.0	0.1%
31.3%	63.2	63.3	0.1	0.2%
32.5%	63.1	63.3	0.2	0.3%
33.8%	62.4	63.2	0.8	1.3%
35.0%	62.3	62.9	0.7	1.1%
36.3%	62.2	62.4	0.2	0.3%
37.5%	61.9	62.2	0.3	0.4%
38.8%	61.8	62.0	0.2	0.4%
40.0%	61.7	61.8	0.1	0.1%
41.3%	61.6	61.8	0.2	0.3%
42.5%	61.5	61.8	0.3	0.4%
43.8%	61.5	61.8	0.3	0.5%
45.0%	61.4	61.6	0.3	0.4%
46.3%	61.3	61.5	0.2	0.4%
47.5%	61.3	61.4	0.2	0.2%
48.8%	61.1	61.4	0.3	0.5%
50.0%	61.0	61.2	0.2	0.3%
51.3%	60.9	61.2	0.3	0.5%
52.5%	60.8	61.1	0.2	0.3%
53.8%	60.8	61.0	0.2	0.3%
55.0%	60.7	60.9	0.3	0.5%
56.3%	60.5	60.8	0.4	0.6%
57.5%	60.4	60.6	0.2	0.3%
58.8%	60.3	60.4	0.1	0.2%
60.0%	60.0	60.4	0.4	0.6%
61.3%	59.9	60.0	0.1	0.1%
62.5%	59.9	60.0	0.1	0.2%
63.8%	59.8	60.0	0.1	0.2%
65.0%	59.8	59.9	0.1	0.2%
66.3%	59.8	59.9	0.1	0.1%
67.5%	59.8	59.9	0.1	0.2%
68.8%	59.8	59.9	0.1	0.3%
70.0%	59.6	59.8	0.2	0.3%
71.3%	59.5	59.8	0.3	0.5%
72.5%	59.4	59.4	0.0	0.0%
73.8%	59.4	59.4	0.0	0.0%
75.0%	59.3	59.3	0.0	0.0%
76.3%	59.2	59.2	0.0	0.0%
77.5%	59.0	59.1	0.1	0.2%
78.8%	58.9	58.9	0.0	0.0%
80.0%	58.8	58.8	0.0	0.0%
81.3%	58.7	58.7	0.0	0.0%
82.5%	58.7	58.7	0.0	0.0%
83.8%	58.6	58.6	0.0	0.1%
85.0%	58.5	58.5	0.1	0.2%
86.3%	58.4	58.5	0.0	0.1%
87.5%	58.4	58.4	0.0	0.0%
88.8%	58.3	58.3	0.0	0.0%
90.0%	58.1	58.3	0.1	0.2%
91.3%	57.9	58.0	0.0	0.1%
92.5%	57.9	57.9	0.0	0.0%
93.8%	57.4	57.4	0.0	0.1%
95.0%	56.8	56.8	0.0	-0.1%
96.3%	56.6	56.5	-0.1	-0.2%
97.5%	56.4	56.3	-0.1	-0.2%
98.8%	55.5	55.4	0.0	0.0%
100.0%	54.6	54.4	-0.2	-0.4%

July

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	76.6	76.3	-0.3	-0.4%
1.3%	72.3	74.2	1.9	2.6%
2.5%	71.6	72.7	1.1	1.6%
3.8%	71.4	70.8	-0.7	-0.9%
5.0%	70.7	69.2	-1.5	-2.1%
6.3%	70.7	69.0	-1.7	-2.4%
7.5%	69.9	68.8	-1.1	-1.6%
8.8%	68.3	68.5	0.2	0.3%
10.0%	67.5	68.4	0.9	1.3%
11.3%	67.4	67.7	0.2	0.3%
12.5%	67.3	67.5	0.3	0.4%
13.8%	67.2	67.2	0.0	0.1%
15.0%	66.9	67.1	0.2	0.3%
16.3%	66.3	65.9	-0.5	-0.7%
17.5%	66.2	65.6	-0.6	-0.9%
18.8%	65.9	65.5	-0.4	-0.6%
20.0%	65.7	65.1	-0.6	-1.0%
21.3%	65.7	65.0	-0.7	-1.0%
22.5%	65.1	64.8	-0.3	-0.4%
23.8%	65.1	64.8	-0.2	-0.4%
25.0%	64.7	64.8	0.2	0.2%
26.3%	64.5	64.7	0.1	0.2%
27.5%	64.4	64.6	0.1	0.2%
28.8%	64.4	64.5	0.1	0.1%
30.0%	64.3	64.4	0.1	0.2%
31.3%	64.2	64.3	0.0	0.1%
32.5%	64.2	64.3	0.0	0.1%
33.8%	64.2	64.2	0.0	0.0%
35.0%	64.0	64.0	0.0	0.1%
36.3%	64.0	64.0	0.0	0.0%
37.5%	63.9	63.9	0.0	0.1%
38.8%	63.9	63.9	0.0	0.0%
40.0%	63.8	63.9	0.0	0.0%
41.3%	63.8	63.8	0.0	0.0%
42.5%	63.8	63.8	0.0	0.1%
43.8%	63.8	63.8	0.1	0.1%
45.0%	63.8	63.8	0.1	0.1%
46.3%	63.7	63.8	0.1	0.2%
47.5%	63.6	63.8	0.2	0.4%
48.8%	63.6	63.8	0.2	0.4%
50.0%	63.5	63.8	0.2	0.4%
51.3%	63.5	63.8	0.3	0.4%
52.5%	63.5	63.6	0.1	0.2%
53.8%	63.5	63.6	0.1	0.2%
55.0%	63.5	63.6	0.1	0.1%
56.3%	63.5	63.5	0.0	0.1%
57.5%	63.5	63.5	0.0	0.0%
58.8%	63.4	63.4	0.0	0.0%
60.0%	63.3	63.4	0.0	0.1%
61.3%	63.3	63.3	0.0	0.0%
62.5%	63.3	63.3	0.0	0.0%
63.8%	63.3	63.2	0.0	0.0%
65.0%	63.3	63.2	0.0	0.0%
66.3%	63.2	63.2	0.0	0.0%
67.5%	63.2	63.2	0.0	0.0%
68.8%	63.2	63.2	0.0	0.1%
70.0%	63.2	63.2	0.0	0.1%
71.3%	63.1	63.1	0.0	0.0%
72.5%	63.0	63.1	0.1	0.2%
73.8%	63.0	63.1	0.1	0.2%
75.0%	63.0	63.0	0.1	0.1%
76.3%	62.8	63.0	0.1	0.2%
77.5%	62.8	62.9	0.1	0.2%
78.8%	62.8	62.9	0.2	0.2%
80.0%	62.7	62.8	0.1	0.1%
81.3%	62.7	62.8	0.1	0.1%
82.5%	62.7	62.6	0.0	-0.1%
83.8%	62.6	62.6	0.0	0.0%
85.0%	62.6	62.6	0.0	0.0%
86.3%	62.5	62.6	0.1	0.1%
87.5%	62.5	62.5	0.0	0.0%
88.8%	62.3	62.4	0.1	0.1%
90.0%	62.2	62.3	0.2	0.3%
91.3%	62.0	62.1	0.1	0.2%
92.5%	62.0	62.1	0.1	0.1%
93.8%	62.0	61.9	-0.1	-0.1%
95.0%	61.8	61.7	0.0	-0.1%
96.3%	61.7	61.6	0.0	-0.1%
97.5%	61.3	61.2	-0.2	-0.3%
98.8%	60.3	60.3	0.0	0.0%
100.0%	59.8	59.7	-0.1	-0.2%

August

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	82.4	80.5	-1.9	-2.3%
1.3%	74.2	74.2	0.0	0.0%
2.5%	73.1	72.9	-0.2	-0.3%
3.8%	73.0	71.6	-1.4	-1.9%
5.0%	71.8	71.2	-0.7	-1.0%
6.3%	71.2	69.9	-1.3	-1.8%
7.5%	70.3	69.3	-1.0	-1.5%
8.8%	69.4	69.0	-0.4	-0.6%
10.0%	69.4	68.8	-0.6	-0.9%
11.3%	69.0	68.3	-0.7	-1.0%
12.5%	68.8	68.2	-0.6	-0.9%
13.8%	68.1	68.1	0.0	0.0%
15.0%	68.0	68.1	0.0	0.1%
16.3%	68.0	68.0	0.0	0.0%
17.5%	67.9	67.9	0.0	0.0%
18.8%	67.4	67.9	0.6	0.9%
20.0%	67.0	66.1	-1.0	-1.4%
21.3%	66.6	65.9	-0.7	-1.1%
22.5%	66.5	65.8	-0.7	-1.1%
23.8%	66.2	65.8	-0.4	-0.6%
25.0%	66.2	65.2	-0.9	-1.4%
26.3%	66.0	65.2	-0.8	-1.3%
27.5%	66.0	65.2	-0.8	-1.3%
28.8%	66.0	65.2	-0.8	-1.2%
30.0%	65.8	65.1	-0.7	-1.0%
31.3%	65.5	65.1	-0.3	-0.5%
32.5%	65.2	65.1	-0.1	-0.1%
33.8%	65.2	65.1	-0.1	-0.1%
35.0%	65.2	65.1	0.0	-0.1%
36.3%	65.1	65.1	0.0	0.0%
37.5%	65.1	65.1	0.0	0.0%
38.8%	65.1	65.1	0.0	0.0%
40.0%	65.1	65.1	0.0	0.0%
41.3%	65.1	65.1	0.0	0.0%
42.5%	65.1	65.1	0.0	0.0%
43.8%	65.0	65.1	0.0	0.0%
45.0%	65.0	65.0	0.0	0.0%
46.3%	65.0	65.0	0.0	0.0%
47.5%	65.0	65.0	0.0	0.0%
48.8%	64.9	65.0	0.0	0.1%
50.0%	64.9	65.0	0.0	0.0%
51.3%	64.9	65.0	0.0	0.0%
52.5%	64.9	64.9	0.0	0.0%
53.8%	64.9	64.9	0.0	0.0%
55.0%	64.9	64.9	0.0	0.0%
56.3%	64.9	64.9	0.0	0.0%
57.5%	64.8	64.9	0.0	0.0%
58.8%	64.8	64.8	0.0	0.0%
60.0%	64.8	64.6	-0.3	-0.4%
61.3%	64.8	64.3	-0.6	-0.8%
62.5%	64.7	64.2	-0.5	-0.8%
63.8%	64.6	64.2	-0.3	-0.5%
65.0%	64.5	64.2	-0.3	-0.5%
66.3%	64.5	64.1	-0.4	-0.6%
67.5%	64.3	64.1	-0.3	-0.4%
68.8%	64.2	64.1	-0.2	-0.3%
70.0%	64.2	64.0	-0.2	-0.2%
71.3%	64.2	64.0	-0.2	-0.3%
72.5%	64.2	64.0	-0.1	-0.2%
73.8%	64.0	64.0	0.0	-0.1%
75.0%	64.0	64.0	0.0	-0.1%
76.3%	64.0	63.9	-0.1	-0.1%
77.5%	64.0	63.3	-0.7	-1.1%
78.8%	63.9	63.2	-0.7	-1.1%
80.0%	63.9	63.2	-0.8	-1.2%
81.3%	63.3	63.1	-0.1	-0.2%
82.5%	63.2	63.1	-0.2	-0.2%
83.8%	63.2	63.1	-0.1	-0.2%
85.0%	63.1	63.1	0.0	-0.1%
86.3%	63.1	63.0	-0.1	-0.1%
87.5%	63.0	63.0	0.0	0.0%
88.8%	63.0	63.0	0.0	0.0%
90.0%	63.0	63.0	0.0	0.0%
91.3%	63.0	63.0	0.0	0.0%
92.5%	63.0	63.0	0.0	0.0%
93.8%	63.0	63.0	0.0	0.0%
95.0%	63.0	62.9	0.0	0.0%
96.3%	62.8	62.9	0.0	0.0%
97.5%	62.6	62.6	0.0	0.0%
98.8%	62.3	62.2	-0.1	-0.1%
100.0%	62.1	62.1	0.0	0.0%

September

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	76.1	74.8	-1.3	-1.7%
1.3%	75.1	72.2	-3.0	-3.9%
2.5%	73.8	69.8	-4.1	-5.5%
3.8%	71.0	69.7	-1.3	-1.8%
5.0%	69.5	69.6	0.2	0.2%
6.3%	68.9	68.8	-0.1	-0.1%
7.5%	68.7	68.4	-0.3	-0.4%
8.8%	68.5	67.8	-0.7	-1.1%
10.0%	68.3	67.7	-0.5	-0.8%
11.3%	68.0	67.7	-0.3	-0.4%
12.5%	67.8	67.6	-0.3	-0.4%
13.8%	67.8	67.5	-0.3	-0.4%
15.0%	67.5	67.4	-0.1	-0.1%
16.3%	66.8	67.3	0.6	0.9%
17.5%	66.4	67.1	0.8	1.1%
18.8%	66.4	67.1	0.7	1.0%
20.0%	66.1	65.9	-0.3	-0.4%
21.3%	66.0	65.8	-0.3	-0.4%
22.5%	66.0	65.4	-0.6	-0.9%
23.8%	65.8	65.0	-0.9	-1.4%
25.0%	65.7	64.9	-0.8	-1.2%
26.3%	65.4	64.9	-0.5	-0.8%
27.5%	65.0	64.8	-0.2	-0.3%
28.8%	64.9	64.8	-0.1	-0.2%
30.0%	64.9	64.7	-0.2	-0.3%
31.3%	64.8	64.7	-0.1	-0.2%
32.5%	64.8	64.7	-0.1	-0.1%
33.8%	64.8	64.7	-0.1	-0.1%
35.0%	64.7	64.7	0.0	0.0%
36.3%	64.7	64.7	0.0	0.0%
37.5%	64.6	64.7	0.0	0.0%
38.8%	64.6	64.6	0.0	0.1%
40.0%	64.6	64.6	0.0	0.0%
41.3%	64.5	64.5	0.0	0.0%
42.5%	64.4	64.5	0.1	0.2%
43.8%	64.4	64.5	0.1	0.2%
45.0%	64.4	64.5	0.1	0.2%
46.3%	64.3	64.5	0.2	0.2%
47.5%	64.3	64.4	0.2	0.2%
48.8%	64.3	64.4	0.1	0.2%
50.0%	64.2	64.3	0.1	0.2%
51.3%	64.1	64.3	0.2	0.3%
52.5%	64.1	64.3	0.2	0.4%
53.8%	64.0	64.3	0.3	0.4%
55.0%	64.0	64.3	0.3	0.4%
56.3%	64.0	64.3	0.3	0.4%
57.5%	64.0	64.2	0.2	0.4%
58.8%	64.0	64.2	0.2	0.3%
60.0%	63.9	64.1	0.2	0.3%
61.3%	63.9	63.9	0.1	0.1%
62.5%	63.8	63.9	0.1	0.1%
63.8%	63.7	63.8	0.1	0.1%
65.0%	63.7	63.7	0.0	0.1%
66.3%	63.7	63.6	-0.1	-0.2%
67.5%	63.6	63.5	-0.1	-0.2%
68.8%	63.6	63.2	-0.4	-0.6%
70.0%	63.5	63.1	-0.5	-0.7%
71.3%	63.5	63.0	-0.4	-0.7%
72.5%	63.3	63.0	-0.3	-0.4%
73.8%	63.2	63.0	-0.2	-0.3%
75.0%	63.1	63.0	-0.1	-0.1%
76.3%	63.0	63.0	0.0	0.1%
77.5%	62.9	63.0	0.0	0.0%
78.8%	62.9	63.0	0.0	0.0%
80.0%	62.9	62.9	0.0	0.0%
81.3%	62.7	62.8	0.1	0.2%
82.5%	62.7	62.8	0.1	0.2%
83.8%	62.7	62.8	0.2	0.3%
85.0%	62.6	62.7	0.1	0.2%
86.3%	62.6	62.7	0.1	0.2%
87.5%	62.6	62.7	0.1	0.2%
88.8%	62.6	62.7	0.1	0.1%
90.0%	62.5	62.7	0.2	0.2%
91.3%	62.5	62.6	0.1	0.2%
92.5%	62.3	62.5	0.2	0.3%
93.8%	62.3	62.4	0.2	0.3%
95.0%	62.0	62.4	0.4	0.6%
96.3%	62.0	62.4	0.4	0.6%
97.5%	61.9	62.4	0.5	0.7%
98.8%	61.9	62.0	0.1	0.2%
100.0%	61.8	61.9	0.1	0.1%

Table SQ 41-4a
American River at the Mouth, Monthly Temperature
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
				Monthly Temperature (DEG-F)								
				Long-term								
Full Simulation Period[1]												
No Action Alternative	62.5	56.7	50.5	47.4	49.6	53.8	57.5	60.6	63.5	66.4	67.8	66.5
Alternative D	62.3	56.7	50.6	47.4	49.6	53.9	57.6	60.7	63.7	66.4	67.5	66.3
Difference	-0.3	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.2	0.0	-0.3	-0.1
Percent Difference[3]	-0.4%	0.0%	0.2%	0.1%	0.0%	0.1%	0.2%	0.0%	0.3%	0.0%	-0.4%	-0.2%
				Water Year Types[2]								
Wet (32%)												
No Action Alternative	61.3	56.3	51.1	47.4	49.5	52.9	56.1	58.2	60.8	64.4	66.1	64.9
Alternative D	61.0	56.3	51.2	47.4	49.5	52.9	56.2	58.1	60.8	64.5	66.0	64.9
Difference	-0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	0.1
Percent Difference	-0.5%	-0.1%	0.2%	0.1%	0.0%	0.0%	0.0%	-0.1%	0.0%	0.1%	-0.1%	0.1%
Above Normal (15%)												
No Action Alternative	61.5	56.1	50.0	47.6	49.2	53.0	56.7	59.3	62.4	65.2	66.6	65.1
Alternative D	61.3	56.2	50.2	47.6	49.2	53.1	56.8	59.3	62.5	65.1	66.3	65.1
Difference	-0.3	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	-0.1	-0.3	0.0
Percent Difference	-0.5%	0.1%	0.3%	0.1%	0.1%	0.2%	0.2%	0.1%	0.2%	-0.2%	-0.4%	0.0%
Below Normal (17%)												
No Action Alternative	62.1	56.8	50.7	47.2	49.0	53.8	57.5	60.2	63.2	65.6	66.9	65.5
Alternative D	61.9	56.7	50.7	47.2	49.0	53.8	57.4	60.1	63.2	65.5	66.7	65.4
Difference	-0.1	-0.1	0.1	0.0	0.0	0.0	-0.1	-0.1	0.0	-0.1	-0.2	-0.1
Percent Difference	-0.2%	-0.1%	0.2%	0.1%	0.0%	0.0%	-0.1%	-0.1%	0.0%	-0.1%	-0.3%	-0.1%
Dry (22%)												
No Action Alternative	63.5	57.0	50.5	47.4	50.1	54.4	58.4	62.2	64.9	66.9	68.2	67.2
Alternative D	63.2	57.0	50.6	47.5	50.1	54.5	58.6	62.7	65.4	66.7	67.9	66.9
Difference	-0.3	0.0	0.1	0.1	0.0	0.1	0.3	0.5	0.6	-0.2	-0.3	-0.3
Percent Difference	-0.5%	-0.1%	0.2%	0.2%	0.0%	0.3%	0.5%	0.8%	0.9%	-0.2%	-0.4%	-0.4%
Critical (15%)												
No Action Alternative	65.3	57.4	49.3	47.2	50.5	55.9	60.2	65.6	69.0	71.9	73.2	71.4
Alternative D	65.0	57.4	49.4	47.3	50.6	55.8	60.4	65.1	69.2	72.1	72.5	70.8
Difference	-0.2	0.1	0.1	0.1	0.1	-0.1	0.2	-0.5	0.2	0.1	-0.7	-0.6
Percent Difference	-0.4%	0.1%	0.2%	0.2%	0.2%	-0.1%	0.3%	-0.8%	0.2%	0.2%	-0.9%	-0.8%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

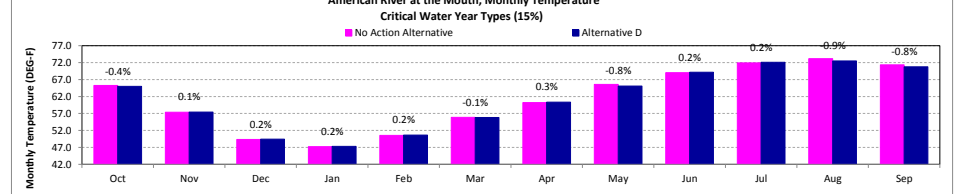3 Relative difference of the monthly average

American River at the Mouth, Monthly Temperature — Full Simulation Period

American River at the Mouth, Monthly Temperature — Wet Water Year Types (32%)

American River at the Mouth, Monthly Temperature — Above Normal Water Year Types (15%)

American River at the Mouth, Monthly Temperature — Below Normal Water Year Types (17%)

American River at the Mouth, Monthly Temperature — Dry Water Year Types (22%)

American River at the Mouth, Monthly Temperature — Critical Water Year Types (15%)
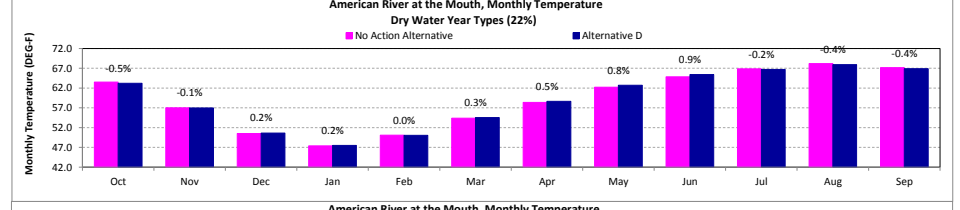
Figure SQ-41-4b
American River at the Mouth, Monthly Temperature
Probability of Exceedance

Table SQ-41-4b
American River at the Mouth, Monthly Temperature
Probability of Exceedance

October
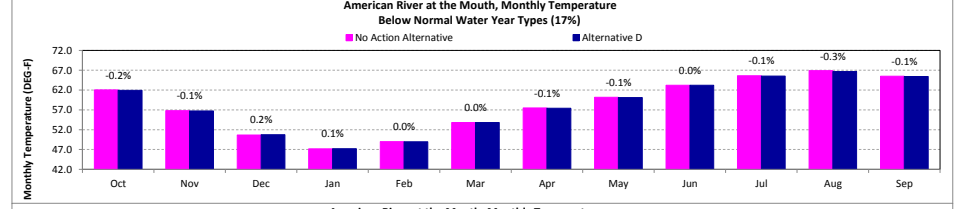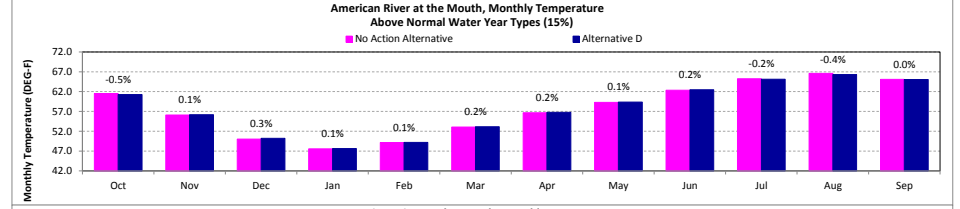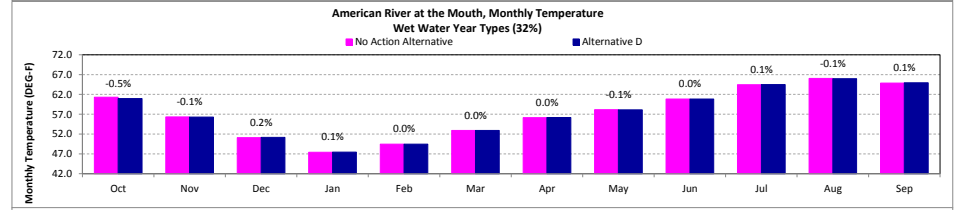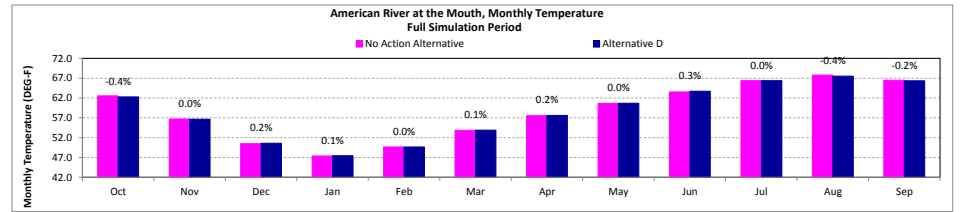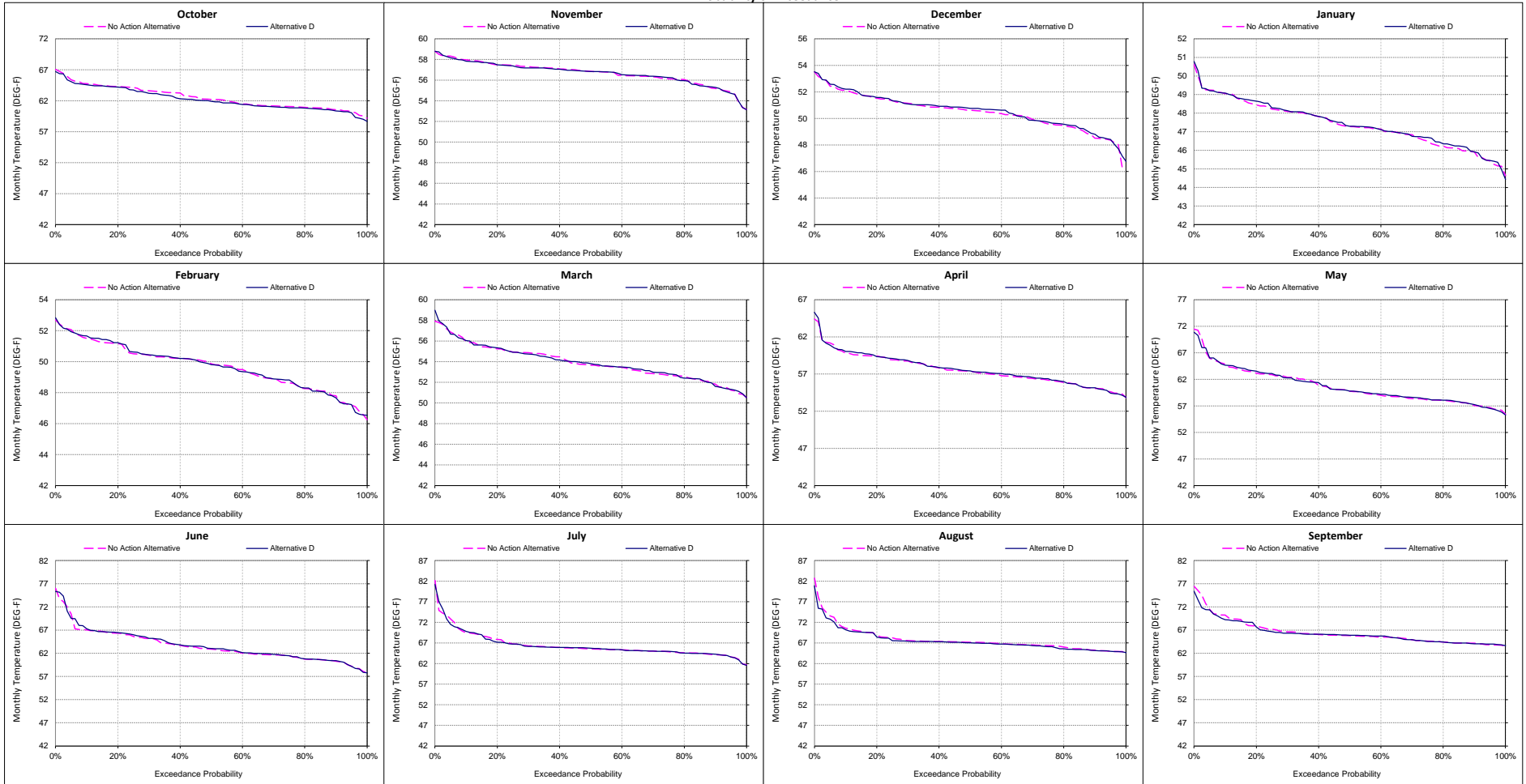
Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	67.1	66.7	-0.4	-0.6%
1.3%	66.7	66.4	-0.3	-0.5%
2.5%	66.4	66.3	-0.1	-0.1%
3.8%	65.9	65.4	-0.5	-0.8%
5.0%	65.4	65.1	-0.3	-0.5%
6.3%	65.2	64.8	-0.4	-0.5%
7.5%	65.1	64.7	-0.3	-0.5%
8.8%	64.8	64.7	-0.1	-0.2%
10.0%	64.8	64.6	-0.2	-0.3%
11.3%	64.7	64.5	-0.2	-0.3%
12.5%	64.7	64.4	-0.2	-0.4%
13.8%	64.5	64.4	-0.1	-0.1%
15.0%	64.4	64.4	0.0	-0.1%
16.3%	64.4	64.3	-0.1	-0.1%
17.5%	64.3	64.3	-0.1	-0.1%
18.8%	64.3	64.3	-0.1	-0.1%
20.0%	64.3	64.2	-0.1	-0.2%
21.3%	64.3	64.2	-0.1	-0.2%
22.5%	64.2	64.1	-0.1	-0.2%
23.8%	64.2	63.8	-0.4	-0.6%
25.0%	64.2	63.7	-0.4	-0.6%
26.3%	64.0	63.5	-0.5	-0.8%
27.5%	63.7	63.5	-0.2	-0.3%
28.8%	63.7	63.4	-0.3	-0.5%
30.0%	63.6	63.2	-0.4	-0.7%
31.3%	63.6	63.2	-0.4	-0.6%
32.5%	63.5	63.1	-0.4	-0.6%
33.8%	63.5	63.0	-0.5	-0.7%
35.0%	63.4	62.9	-0.5	-0.8%
36.3%	63.3	62.9	-0.4	-0.7%
37.5%	63.3	62.7	-0.6	-0.9%
38.8%	63.3	62.4	-0.8	-1.3%
40.0%	63.3	62.3	-0.9	-1.5%
41.3%	62.8	62.3	-0.5	-0.8%
42.5%	62.8	62.3	-0.5	-0.9%
43.8%	62.7	62.2	-0.4	-0.7%
45.0%	62.6	62.1	-0.5	-0.8%
46.3%	62.3	62.1	-0.3	-0.4%
47.5%	62.3	62.0	-0.3	-0.4%
48.8%	62.3	62.0	-0.3	-0.4%
50.0%	62.2	61.9	-0.3	-0.5%
51.3%	62.2	61.8	-0.4	-0.6%
52.5%	62.2	61.8	-0.4	-0.6%
53.8%	62.1	61.7	-0.5	-0.7%
55.0%	62.0	61.7	-0.3	-0.6%
56.3%	61.8	61.6	-0.2	-0.3%
57.5%	61.8	61.6	-0.2	-0.3%
58.8%	61.6	61.5	-0.1	-0.1%
60.0%	61.5	61.4	-0.1	-0.1%
61.3%	61.5	61.4	-0.1	-0.1%
62.5%	61.4	61.3	-0.1	-0.1%
63.8%	61.3	61.2	-0.1	-0.2%
65.0%	61.3	61.1	-0.1	-0.2%
66.3%	61.2	61.1	-0.1	-0.1%
67.5%	61.2	61.1	-0.1	-0.2%
68.8%	61.2	61.0	-0.1	-0.2%
70.0%	61.2	61.0	-0.1	-0.2%
71.3%	61.1	61.0	-0.2	-0.3%
72.5%	61.1	61.0	-0.1	-0.2%
73.8%	61.1	61.0	-0.1	-0.2%
75.0%	61.1	60.9	-0.2	-0.3%
76.3%	61.0	60.9	-0.2	-0.3%
77.5%	61.0	60.8	-0.2	-0.3%
78.8%	61.0	60.8	-0.1	-0.2%
80.0%	60.9	60.8	-0.1	-0.2%
81.3%	60.9	60.8	-0.1	-0.2%
82.5%	60.9	60.7	-0.1	-0.2%
83.8%	60.9	60.7	-0.2	-0.3%
85.0%	60.8	60.6	-0.2	-0.3%
86.3%	60.8	60.5	-0.2	-0.4%
87.5%	60.7	60.5	-0.2	-0.3%
88.8%	60.6	60.5	-0.1	-0.2%
90.0%	60.6	60.4	-0.2	-0.3%
91.3%	60.5	60.3	-0.2	-0.4%
92.5%	60.4	60.2	-0.1	-0.2%
93.8%	60.4	60.2	-0.1	-0.2%
95.0%	60.4	60.1	-0.2	-0.3%
96.3%	60.1	59.3	-0.8	-1.3%
97.5%	59.6	59.2	-0.5	-0.8%
98.8%	59.5	59.0	-0.5	-0.9%
100.0%	59.2	58.7	-0.5	-0.8%

November

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	58.8	58.8	0.0	0.0%
1.3%	58.5	58.7	0.2	0.4%
2.5%	58.4	58.4	0.0	0.1%
3.8%	58.3	58.3	-0.1	-0.1%
5.0%	58.3	58.2	-0.2	-0.3%
6.3%	58.2	58.1	-0.1	-0.3%
7.5%	58.0	58.0	-0.1	-0.1%
8.8%	58.0	58.0	0.0	-0.1%
10.0%	58.0	57.8	-0.1	-0.2%
11.3%	57.9	57.8	-0.1	-0.2%
12.5%	57.9	57.8	-0.1	-0.2%
13.8%	57.9	57.8	-0.1	-0.1%
15.0%	57.8	57.7	-0.1	-0.1%
16.3%	57.7	57.7	0.0	0.0%
17.5%	57.6	57.7	0.0	0.1%
18.8%	57.5	57.6	0.1	0.2%
20.0%	57.5	57.5	0.0	0.0%
21.3%	57.5	57.5	0.0	0.0%
22.5%	57.5	57.4	0.0	-0.1%
23.8%	57.5	57.4	0.0	-0.1%
25.0%	57.4	57.4	-0.1	-0.1%
26.3%	57.4	57.3	-0.2	-0.3%
27.5%	57.3	57.2	-0.1	-0.2%
28.8%	57.3	57.2	-0.1	-0.2%
30.0%	57.3	57.2	-0.1	-0.2%
31.3%	57.3	57.2	-0.1	-0.1%
32.5%	57.2	57.2	-0.1	-0.1%
33.8%	57.2	57.2	-0.1	-0.1%
35.0%	57.2	57.2	0.0	-0.1%
36.3%	57.2	57.1	-0.1	-0.1%
37.5%	57.2	57.1	-0.1	-0.1%
38.8%	57.2	57.1	-0.1	-0.2%
40.0%	57.1	57.0	0.0	0.0%
41.3%	57.1	57.0	-0.1	-0.1%
42.5%	57.0	57.0	-0.1	-0.1%
43.8%	57.0	57.0	-0.1	-0.1%
45.0%	57.0	56.9	-0.1	-0.1%
46.3%	56.9	56.9	0.0	-0.1%
47.5%	56.9	56.9	0.0	-0.1%
48.8%	56.9	56.8	0.0	0.0%
50.0%	56.8	56.8	0.0	0.0%
51.3%	56.8	56.8	0.0	0.0%
52.5%	56.8	56.8	0.0	0.0%
53.8%	56.8	56.8	0.0	0.0%
55.0%	56.8	56.8	0.0	0.0%
56.3%	56.8	56.8	0.0	0.0%
57.5%	56.7	56.8	0.0	0.0%
58.8%	56.5	56.7	0.2	0.3%
60.0%	56.5	56.5	0.1	0.1%
61.3%	56.4	56.5	0.1	0.1%
62.5%	56.4	56.5	0.0	0.1%
63.8%	56.4	56.5	0.1	0.1%
65.0%	56.4	56.5	0.0	0.1%
66.3%	56.4	56.5	0.1	0.1%
67.5%	56.4	56.5	0.1	0.1%
68.8%	56.4	56.4	0.0	0.1%
70.0%	56.3	56.4	0.0	0.1%
71.3%	56.3	56.3	0.1	0.1%
72.5%	56.2	56.3	0.1	0.2%
73.8%	56.2	56.3	0.1	0.2%
75.0%	56.1	56.2	0.1	0.2%
76.3%	56.1	56.2	0.1	0.2%
77.5%	56.1	56.0	-0.1	-0.1%
78.8%	56.1	56.0	-0.1	-0.2%
80.0%	56.0	55.9	-0.1	-0.2%
81.3%	55.9	55.9	0.0	-0.1%
82.5%	55.7	55.6	-0.1	-0.1%
83.8%	55.7	55.6	-0.1	-0.2%
85.0%	55.6	55.4	-0.1	-0.3%
86.3%	55.5	55.4	-0.1	-0.2%
87.5%	55.4	55.4	0.0	0.0%
88.8%	55.2	55.4	0.1	0.2%
90.0%	55.2	55.3	0.1	0.2%
91.3%	55.1	55.2	0.1	0.2%
92.5%	55.0	55.0	0.0	-0.1%
93.8%	54.9	54.8	-0.1	-0.2%
95.0%	54.9	54.7	-0.2	-0.3%
96.3%	54.6	54.6	0.0	0.0%
97.5%	53.8	53.9	0.1	0.2%
98.8%	53.3	53.3	0.0	0.0%
100.0%	53.2	53.1	0.0	0.0%

December

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	53.5	53.5	0.0	0.0%
1.3%	53.2	53.4	0.2	0.4%
2.5%	53.0	52.9	-0.1	-0.2%
3.8%	52.9	52.9	0.0	0.1%
5.0%	52.4	52.6	0.2	0.3%
6.3%	52.4	52.6	0.1	0.3%
7.5%	52.2	52.4	0.2	0.3%
8.8%	52.1	52.3	0.1	0.2%
10.0%	52.1	52.2	0.1	0.2%
11.3%	52.0	52.2	0.2	0.3%
12.5%	51.9	52.2	0.2	0.4%
13.8%	51.8	52.0	0.2	0.3%
15.0%	51.8	51.8	0.0	0.0%
16.3%	51.7	51.7	0.0	0.0%
17.5%	51.7	51.7	0.0	0.0%
18.8%	51.5	51.7	0.1	0.2%
20.0%	51.5	51.6	0.1	0.1%
21.3%	51.5	51.6	0.1	0.2%
22.5%	51.5	51.5	0.1	0.1%
23.8%	51.4	51.5	0.1	0.2%
25.0%	51.3	51.3	0.0	0.0%
26.3%	51.2	51.3	0.1	0.1%
27.5%	51.2	51.2	0.1	0.1%
28.8%	51.2	51.1	0.0	-0.1%
30.0%	51.1	51.1	0.0	-0.1%
31.3%	51.1	51.0	-0.1	-0.1%
32.5%	51.0	51.0	0.0	0.0%
33.8%	51.0	51.0	0.0	0.1%
35.0%	50.9	51.0	0.1	0.2%
36.3%	50.9	51.0	0.2	0.3%
37.5%	50.8	51.0	0.2	0.3%
38.8%	50.8	51.0	0.1	0.3%
40.0%	50.8	50.9	0.1	0.1%
41.3%	50.8	50.9	0.1	0.2%
42.5%	50.8	50.9	0.1	0.2%
43.8%	50.8	50.9	0.1	0.2%
45.0%	50.8	50.9	0.1	0.2%
46.3%	50.7	50.9	0.1	0.3%
47.5%	50.7	50.8	0.2	0.3%
48.8%	50.6	50.8	0.2	0.3%
50.0%	50.6	50.8	0.2	0.3%
51.3%	50.6	50.8	0.2	0.3%
52.5%	50.6	50.8	0.2	0.4%
53.8%	50.6	50.7	0.1	0.3%
55.0%	50.5	50.7	0.2	0.4%
56.3%	50.5	50.7	0.2	0.5%
57.5%	50.5	50.7	0.2	0.4%
58.8%	50.4	50.6	0.2	0.5%
60.0%	50.4	50.6	0.3	0.5%
61.3%	50.3	50.6	0.3	0.7%
62.5%	50.3	50.4	0.1	0.2%
63.8%	50.3	50.4	0.1	0.2%
65.0%	50.2	50.2	0.0	-0.1%
66.3%	50.2	50.1	-0.1	-0.1%
67.5%	50.2	50.1	-0.1	-0.1%
68.8%	50.1	49.9	-0.2	-0.3%
70.0%	49.9	49.9	-0.1	-0.1%
71.3%	49.8	49.8	0.0	0.1%
72.5%	49.8	49.8	0.0	0.0%
73.8%	49.7	49.8	0.1	0.2%
75.0%	49.6	49.7	0.1	0.3%
76.3%	49.6	49.6	0.1	0.1%
77.5%	49.5	49.6	0.1	0.2%
78.8%	49.5	49.6	0.1	0.2%
80.0%	49.5	49.6	0.1	0.2%
81.3%	49.4	49.5	0.1	0.2%
82.5%	49.4	49.5	0.1	0.2%
83.8%	49.3	49.5	0.2	0.3%
85.0%	49.2	49.3	0.1	0.1%
86.3%	49.1	49.2	0.2	0.3%
87.5%	48.9	49.1	0.2	0.4%
88.8%	48.8	48.9	0.1	0.2%
90.0%	48.5	48.8	0.3	0.6%
91.3%	48.5	48.6	0.1	0.2%
92.5%	48.5	48.5	0.1	0.2%
93.8%	48.4	48.5	0.0	0.1%
95.0%	48.4	48.4	0.0	0.0%
96.3%	48.2	48.0	-0.1	-0.3%
97.5%	48.0	47.7	-0.3	-0.6%
98.8%	46.3	47.2	0.8	1.8%
100.0%	46.2	46.8	0.5	1.1%

January

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	50.6	50.8	0.2	0.3%
1.3%	50.0	50.3	0.3	0.6%
2.5%	49.5	49.3	-0.1	-0.2%
3.8%	49.3	49.3	0.1	0.1%
5.0%	49.2	49.2	0.0	-0.1%
6.3%	49.2	49.2	0.0	-0.1%
7.5%	49.1	49.1	0.0	0.0%
8.8%	49.1	49.1	0.0	0.0%
10.0%	49.0	49.1	0.0	0.1%
11.3%	49.0	49.0	0.0	-0.1%
12.5%	49.0	49.0	0.0	-0.1%
13.8%	48.8	48.8	0.0	0.0%
15.0%	48.7	48.8	0.1	0.2%
16.3%	48.7	48.8	0.1	0.2%
17.5%	48.5	48.7	0.2	0.4%
18.8%	48.5	48.7	0.2	0.4%
20.0%	48.5	48.7	0.2	0.4%
21.3%	48.4	48.6	0.2	0.4%
22.5%	48.4	48.5	0.2	0.3%
23.8%	48.3	48.5	0.2	0.4%
25.0%	48.2	48.3	0.1	0.1%
26.3%	48.2	48.3	0.1	0.2%
27.5%	48.2	48.3	0.1	0.2%
28.8%	48.1	48.2	0.0	0.1%
30.0%	48.1	48.1	0.0	0.1%
31.3%	48.1	48.1	0.0	0.0%
32.5%	48.0	48.1	0.0	0.1%
33.8%	48.0	48.1	0.0	0.1%
35.0%	48.0	48.1	0.0	0.1%
36.3%	48.0	48.0	0.0	0.0%
37.5%	47.9	47.9	0.0	0.0%
38.8%	47.9	47.9	0.0	0.0%
40.0%	47.8	47.8	0.0	0.0%
41.3%	47.8	47.8	0.0	0.0%
42.5%	47.7	47.7	0.0	0.0%
43.8%	47.5	47.6	0.1	0.1%
45.0%	47.5	47.6	0.1	0.1%
46.3%	47.4	47.5	0.1	0.2%
47.5%	47.3	47.5	0.2	0.3%
48.8%	47.3	47.3	0.0	0.1%
50.0%	47.3	47.3	0.0	0.0%
51.3%	47.3	47.3	0.0	0.0%
52.5%	47.3	47.3	0.0	0.1%
53.8%	47.2	47.3	0.0	0.1%
55.0%	47.2	47.3	0.0	0.1%
56.3%	47.2	47.3	0.0	0.1%
57.5%	47.2	47.2	0.1	0.1%
58.8%	47.2	47.2	0.0	0.0%
60.0%	47.1	47.1	0.0	0.0%
61.3%	47.0	47.0	0.0	0.1%
62.5%	47.0	47.0	0.0	0.0%
63.8%	47.0	47.0	0.0	0.0%
65.0%	47.0	47.0	0.0	0.0%
66.3%	46.9	46.9	0.0	0.1%
67.5%	46.9	46.9	0.0	0.1%
68.8%	46.8	46.9	0.0	0.1%
70.0%	46.8	46.8	-0.1	-0.2%
71.3%	46.7	46.7	0.0	0.1%
72.5%	46.6	46.7	0.1	0.2%
73.8%	46.5	46.7	0.1	0.3%
75.0%	46.5	46.7	0.2	0.4%
76.3%	46.3	46.7	0.3	0.6%
77.5%	46.3	46.5	0.2	0.4%
78.8%	46.2	46.5	0.2	0.5%
80.0%	46.2	46.3	0.1	0.3%
81.3%	46.1	46.3	0.2	0.4%
82.5%	46.1	46.3	0.2	0.3%
83.8%	46.1	46.2	0.1	0.2%
85.0%	46.1	46.2	0.1	0.3%
86.3%	46.0	46.2	0.2	0.5%
87.5%	46.0	46.2	0.2	0.4%
88.8%	45.9	46.0	0.0	0.0%
90.0%	45.9	45.9	0.0	0.0%
91.3%	45.6	45.9	0.2	0.5%
92.5%	45.6	45.6	0.0	-0.1%
93.8%	45.5	45.5	0.0	0.0%
95.0%	45.4	45.5	0.0	0.0%
96.3%	45.3	45.4	0.2	0.4%
97.5%	45.2	45.4	0.2	0.4%
98.8%	45.1	45.0	-0.2	-0.4%
100.0%	44.6	44.4	-0.2	-0.4%

Table SQ-**41**-4b
American River at the Mouth, Monthly Temperature
Probability of Exceedance

February

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	52.7	52.8	0.1	0.3%
1.3%	52.4	52.4	0.0	-0.1%
2.5%	52.2	52.2	-0.1	-0.2%
3.8%	52.1	52.1	0.0	-0.1%
5.0%	52.1	51.9	-0.1	-0.3%
6.3%	51.8	51.8	0.1	0.1%
7.5%	51.7	51.7	0.0	0.1%
8.8%	51.6	51.7	0.1	0.2%
10.0%	51.5	51.7	0.2	0.3%
11.3%	51.5	51.5	0.1	0.1%
12.5%	51.4	51.5	0.1	0.3%
13.8%	51.3	51.5	0.2	0.4%
15.0%	51.3	51.4	0.2	0.4%
16.3%	51.2	51.4	0.2	0.4%
17.5%	51.2	51.4	0.2	0.3%
18.8%	51.2	51.2	0.0	0.1%
20.0%	51.1	51.2	0.1	0.1%
21.3%	51.1	51.2	0.0	0.0%
22.5%	50.8	51.1	0.3	0.7%
23.8%	50.6	50.7	0.1	0.2%
25.0%	50.5	50.6	0.1	0.2%
26.3%	50.5	50.6	0.1	0.2%
27.5%	50.5	50.5	0.0	0.0%
28.8%	50.5	50.5	0.0	0.0%
30.0%	50.4	50.4	0.0	0.0%
31.3%	50.4	50.4	0.0	0.1%
32.5%	50.3	50.4	0.1	0.1%
33.8%	50.3	50.4	0.1	0.1%
35.0%	50.3	50.4	0.1	0.1%
36.3%	50.3	50.3	0.1	0.1%
37.5%	50.2	50.3	0.0	0.1%
38.8%	50.2	50.2	0.0	0.0%
40.0%	50.2	50.2	0.0	0.0%
41.3%	50.2	50.2	0.0	0.0%
42.5%	50.2	50.2	0.0	0.0%
43.8%	50.2	50.2	0.0	0.0%
45.0%	50.1	50.1	0.0	-0.1%
46.3%	50.1	50.0	-0.1	-0.2%
47.5%	50.0	49.9	-0.1	-0.2%
48.8%	50.0	49.9	-0.1	-0.2%
50.0%	49.9	49.8	0.0	-0.1%
51.3%	49.8	49.8	0.0	0.0%
52.5%	49.8	49.8	0.0	-0.1%
53.8%	49.8	49.7	-0.1	-0.2%
55.0%	49.8	49.7	-0.1	-0.2%
56.3%	49.7	49.6	-0.1	-0.2%
57.5%	49.6	49.6	-0.1	-0.1%
58.8%	49.5	49.4	-0.1	-0.2%
60.0%	49.5	49.4	-0.1	-0.3%
61.3%	49.4	49.3	0.0	-0.1%
62.5%	49.3	49.3	0.0	0.0%
63.8%	49.2	49.3	0.1	0.2%
65.0%	49.1	49.2	0.1	0.2%
66.3%	49.0	49.1	0.1	0.3%
67.5%	49.0	49.0	0.0	0.0%
68.8%	48.9	48.9	0.0	0.0%
70.0%	48.9	48.9	0.0	0.0%
71.3%	48.8	48.9	0.0	0.1%
72.5%	48.7	48.8	0.2	0.4%
73.8%	48.7	48.8	0.2	0.3%
75.0%	48.6	48.8	0.2	0.4%
76.3%	48.6	48.7	0.1	0.1%
77.5%	48.5	48.5	0.0	0.0%
78.8%	48.3	48.3	0.1	0.1%
80.0%	48.3	48.3	0.0	0.1%
81.3%	48.3	48.3	0.0	0.1%
82.5%	48.2	48.1	-0.1	-0.2%
83.8%	48.2	48.1	-0.1	-0.1%
85.0%	48.1	48.1	0.0	0.0%
86.3%	48.1	48.0	0.0	-0.1%
87.5%	48.0	47.8	-0.2	-0.3%
88.8%	47.8	47.8	0.0	-0.1%
90.0%	47.8	47.7	-0.1	-0.3%
91.3%	47.4	47.4	0.0	0.0%
92.5%	47.4	47.3	-0.1	-0.2%
93.8%	47.2	47.3	0.0	0.1%
95.0%	47.2	47.2	0.0	0.1%
96.3%	47.1	46.7	-0.4	-0.8%
97.5%	46.8	46.6	-0.2	-0.4%
98.8%	46.6	46.5	0.0	-0.1%
100.0%	46.3	46.5	0.3	0.6%

March

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	57.9	59.0	1.1	1.8%
1.3%	57.8	57.9	0.1	0.3%
2.5%	57.6	57.7	0.1	0.1%
3.8%	57.2	57.3	0.2	0.3%
5.0%	56.9	56.7	-0.2	-0.3%
6.3%	56.7	56.7	0.0	0.0%
7.5%	56.6	56.3	-0.3	-0.5%
8.8%	56.4	56.2	-0.1	-0.2%
10.0%	55.9	56.0	0.1	0.2%
11.3%	55.8	56.0	0.1	0.1%
12.5%	55.8	55.6	-0.2	-0.4%
13.8%	55.6	55.6	0.0	0.0%
15.0%	55.4	55.6	0.2	0.3%
16.3%	55.4	55.6	0.2	0.3%
17.5%	55.4	55.4	0.0	0.1%
18.8%	55.3	55.4	0.1	0.2%
20.0%	55.2	55.3	0.1	0.2%
21.3%	55.2	55.3	0.1	0.1%
22.5%	55.1	55.2	0.1	0.1%
23.8%	55.0	55.0	0.0	0.0%
25.0%	54.9	54.9	0.0	-0.1%
26.3%	54.9	54.9	0.0	0.0%
27.5%	54.9	54.8	0.0	-0.1%
28.8%	54.9	54.8	-0.1	-0.2%
30.0%	54.9	54.7	-0.1	-0.2%
31.3%	54.8	54.7	-0.1	-0.2%
32.5%	54.8	54.7	-0.1	-0.2%
33.8%	54.8	54.5	-0.2	-0.4%
35.0%	54.7	54.5	-0.2	-0.4%
36.3%	54.6	54.4	-0.2	-0.3%
37.5%	54.5	54.4	-0.2	-0.3%
38.8%	54.5	54.2	-0.3	-0.6%
40.0%	54.5	54.2	-0.3	-0.6%
41.3%	54.3	54.1	-0.2	-0.4%
42.5%	54.1	54.1	0.0	-0.1%
43.8%	53.9	54.0	0.1	0.3%
45.0%	53.8	54.0	0.2	0.3%
46.3%	53.8	54.0	0.2	0.4%
47.5%	53.7	53.9	0.2	0.3%
48.8%	53.7	53.9	0.2	0.3%
50.0%	53.7	53.8	0.2	0.3%
51.3%	53.7	53.7	0.1	0.1%
52.5%	53.6	53.7	0.1	0.2%
53.8%	53.6	53.6	0.0	0.0%
55.0%	53.6	53.6	0.0	0.0%
56.3%	53.5	53.5	0.0	0.1%
57.5%	53.5	53.5	0.0	0.0%
58.8%	53.5	53.5	0.0	0.0%
60.0%	53.5	53.5	0.0	0.0%
61.3%	53.4	53.5	0.1	0.1%
62.5%	53.2	53.4	0.2	0.4%
63.8%	53.2	53.3	0.1	0.2%
65.0%	53.1	53.3	0.1	0.3%
66.3%	53.1	53.3	0.2	0.3%
67.5%	52.9	53.1	0.3	0.5%
68.8%	52.9	53.1	0.3	0.5%
70.0%	52.8	53.0	0.1	0.3%
71.3%	52.8	53.0	0.1	0.3%
72.5%	52.8	53.0	0.2	0.3%
73.8%	52.7	52.9	0.2	0.4%
75.0%	52.7	52.8	0.1	0.3%
76.3%	52.7	52.8	0.1	0.2%
77.5%	52.6	52.7	0.1	0.2%
78.8%	52.6	52.5	-0.1	-0.3%
80.0%	52.6	52.4	-0.2	-0.4%
81.3%	52.4	52.4	0.0	-0.1%
82.5%	52.4	52.4	0.0	0.0%
83.8%	52.3	52.3	0.1	0.1%
85.0%	52.2	52.3	0.1	0.2%
86.3%	52.1	52.2	0.0	0.1%
87.5%	52.1	52.0	-0.1	-0.2%
88.8%	51.9	52.0	0.0	0.1%
90.0%	51.8	51.6	-0.2	-0.4%
91.3%	51.5	51.5	0.0	0.0%
92.5%	51.5	51.4	-0.1	-0.2%
93.8%	51.5	51.4	-0.1	-0.2%
95.0%	51.2	51.3	0.1	0.2%
96.3%	51.2	51.2	0.1	0.1%
97.5%	50.9	51.1	0.2	0.5%
98.8%	50.8	50.9	0.0	0.1%
100.0%	50.5	50.5	0.0	0.0%

April

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	64.4	65.3	0.9	1.4%
1.3%	64.0	64.5	0.5	0.8%
2.5%	61.4	61.6	0.2	0.3%
3.8%	61.3	61.2	-0.1	-0.2%
5.0%	61.2	60.9	-0.3	-0.5%
6.3%	60.9	60.5	-0.4	-0.7%
7.5%	60.3	60.3	0.0	0.1%
8.8%	60.1	60.3	0.2	0.3%
10.0%	59.8	60.0	0.3	0.4%
11.3%	59.8	60.0	0.3	0.5%
12.5%	59.6	60.0	0.4	0.6%
13.8%	59.6	59.9	0.3	0.5%
15.0%	59.5	59.9	0.4	0.6%
16.3%	59.5	59.7	0.2	0.4%
17.5%	59.5	59.7	0.2	0.4%
18.8%	59.5	59.6	0.1	0.2%
20.0%	59.4	59.3	-0.1	-0.2%
21.3%	59.3	59.3	0.0	0.0%
22.5%	59.3	59.2	0.0	0.0%
23.8%	59.0	59.1	0.1	0.3%
25.0%	58.9	59.1	0.2	0.3%
26.3%	58.9	59.0	0.1	0.2%
27.5%	58.8	58.9	0.1	0.2%
28.8%	58.8	58.9	0.2	0.3%
30.0%	58.8	58.8	0.1	0.1%
31.3%	58.6	58.6	0.1	0.1%
32.5%	58.5	58.5	0.0	0.0%
33.8%	58.4	58.5	0.1	0.2%
35.0%	58.4	58.3	0.0	-0.1%
36.3%	58.1	58.0	-0.1	-0.1%
37.5%	58.1	58.0	-0.1	-0.2%
38.8%	57.9	58.0	0.1	0.1%
40.0%	57.8	57.9	0.0	0.1%
41.3%	57.8	57.8	0.1	0.1%
42.5%	57.5	57.8	0.3	0.5%
43.8%	57.5	57.8	0.2	0.4%
45.0%	57.5	57.7	0.2	0.3%
46.3%	57.5	57.6	0.1	0.3%
47.5%	57.4	57.5	0.1	0.1%
48.8%	57.4	57.5	0.0	0.1%
50.0%	57.3	57.4	0.1	0.1%
51.3%	57.3	57.3	0.0	0.0%
52.5%	57.2	57.3	0.1	0.2%
53.8%	57.1	57.3	0.2	0.3%
55.0%	57.1	57.2	0.2	0.3%
56.3%	57.0	57.1	0.1	0.2%
57.5%	57.0	57.1	0.1	0.3%
58.8%	57.0	57.1	0.1	0.2%
60.0%	56.8	57.1	0.3	0.5%
61.3%	56.7	57.0	0.2	0.4%
62.5%	56.7	57.0	0.2	0.4%
63.8%	56.7	56.9	0.2	0.4%
65.0%	56.6	56.7	0.1	0.2%
66.3%	56.6	56.7	0.2	0.3%
67.5%	56.6	56.7	0.1	0.2%
68.8%	56.5	56.7	0.2	0.4%
70.0%	56.4	56.6	0.1	0.2%
71.3%	56.3	56.5	0.1	0.2%
72.5%	56.3	56.4	0.1	0.2%
73.8%	56.3	56.4	0.1	0.2%
75.0%	56.2	56.4	0.2	0.3%
76.3%	56.1	56.2	0.0	0.1%
77.5%	56.0	56.2	0.1	0.2%
78.8%	56.0	56.0	0.1	0.1%
80.0%	55.9	56.0	0.1	0.2%
81.3%	55.8	55.7	-0.1	-0.2%
82.5%	55.7	55.7	0.0	0.0%
83.8%	55.7	55.7	0.0	0.0%
85.0%	55.5	55.4	-0.1	-0.2%
86.3%	55.2	55.2	0.0	0.0%
87.5%	55.2	55.2	0.0	0.0%
88.8%	55.1	55.2	0.0	0.0%
90.0%	55.1	55.1	0.1	0.1%
91.3%	55.0	55.0	-0.1	-0.1%
92.5%	55.0	54.9	-0.1	-0.2%
93.8%	54.7	54.8	0.1	0.3%
95.0%	54.6	54.4	-0.2	-0.4%
96.3%	54.4	54.3	-0.1	-0.2%
97.5%	54.4	54.3	-0.1	-0.2%
98.8%	54.3	54.1	-0.2	-0.3%
100.0%	53.8	53.9	0.0	0.0%

May

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	71.5	70.8	-0.6	-0.9%
1.3%	71.3	70.3	-1.0	-1.3%
2.5%	69.7	68.0	-1.7	-2.4%
3.8%	67.2	67.9	0.8	1.2%
5.0%	66.0	66.0	0.1	0.1%
6.3%	65.7	66.0	0.4	0.6%
7.5%	65.4	65.5	0.1	0.2%
8.8%	65.1	64.9	-0.2	-0.3%
10.0%	64.9	64.7	-0.2	-0.4%
11.3%	64.3	64.6	0.3	0.5%
12.5%	64.3	64.6	0.3	0.5%
13.8%	64.0	64.3	0.3	0.4%
15.0%	63.8	64.1	0.3	0.5%
16.3%	63.6	64.0	0.4	0.7%
17.5%	63.5	63.8	0.3	0.4%
18.8%	63.5	63.6	0.1	0.2%
20.0%	63.2	63.6	0.4	0.6%
21.3%	63.0	63.3	0.3	0.4%
22.5%	63.0	63.2	0.2	0.3%
23.8%	62.9	63.1	0.2	0.3%
25.0%	62.9	63.1	0.2	0.3%
26.3%	62.7	62.8	0.2	0.2%
27.5%	62.7	62.8	0.1	0.1%
28.8%	62.6	62.3	-0.3	-0.4%
30.0%	62.4	62.3	-0.1	-0.2%
31.3%	62.4	62.3	-0.1	-0.2%
32.5%	62.4	61.8	-0.5	-0.8%
33.8%	62.1	61.7	-0.3	-0.6%
35.0%	62.1	61.7	-0.4	-0.7%
36.3%	61.8	61.6	-0.3	-0.4%
37.5%	61.8	61.5	-0.3	-0.4%
38.8%	61.4	61.4	0.0	0.0%
40.0%	60.9	61.4	0.5	0.9%
41.3%	60.7	60.8	0.1	0.1%
42.5%	60.6	60.8	0.2	0.4%
43.8%	60.3	60.2	-0.2	-0.3%
45.0%	60.1	60.2	0.1	0.1%
46.3%	60.1	60.1	0.0	0.0%
47.5%	60.1	60.0	0.0	-0.1%
48.8%	60.0	60.0	0.0	-0.1%
50.0%	59.8	59.8	0.0	0.0%
51.3%	59.7	59.8	0.1	0.1%
52.5%	59.7	59.7	0.0	0.0%
53.8%	59.7	59.6	0.0	-0.1%
55.0%	59.4	59.5	0.1	0.2%
56.3%	59.2	59.4	0.2	0.3%
57.5%	59.2	59.3	0.1	0.1%
58.8%	59.1	59.3	0.1	0.3%
60.0%	59.0	59.2	0.2	0.3%
61.3%	58.9	59.2	0.3	0.5%
62.5%	58.8	59.0	0.2	0.3%
63.8%	58.8	58.9	0.2	0.3%
65.0%	58.7	58.9	0.2	0.3%
66.3%	58.7	58.8	0.1	0.1%
67.5%	58.7	58.7	0.0	0.0%
68.8%	58.4	58.7	0.2	0.4%
70.0%	58.4	58.6	0.2	0.4%
71.3%	58.3	58.5	0.2	0.3%
72.5%	58.3	58.5	0.2	0.3%
73.8%	58.3	58.4	0.1	0.1%
75.0%	58.1	58.3	0.2	0.3%
76.3%	58.1	58.1	0.0	0.0%
77.5%	58.1	58.1	0.0	0.1%
78.8%	58.1	58.1	0.0	0.1%
80.0%	58.1	58.1	0.0	0.1%
81.3%	58.0	58.1	0.1	0.1%
82.5%	57.9	58.0	0.1	0.3%
83.8%	57.8	57.9	0.1	0.1%
85.0%	57.8	57.8	0.0	0.0%
86.3%	57.6	57.6	0.0	0.1%
87.5%	57.6	57.5	0.0	-0.1%
88.8%	57.2	57.4	0.2	0.3%
90.0%	57.1	57.3	0.2	0.3%
91.3%	57.0	57.0	0.0	0.1%
92.5%	57.0	56.8	-0.2	-0.3%
93.8%	56.7	56.7	0.0	-0.1%
95.0%	56.7	56.5	-0.2	-0.3%
96.3%	56.4	56.3	-0.1	-0.1%
97.5%	56.3	56.1	-0.2	-0.4%
98.8%	56.2	55.8	-0.4	-0.6%
100.0%	55.4	55.3	-0.1	-0.3%

American River at the Mouth, Monthly Temperature
Probability of Exceedance

June

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	76.0	75.3	-0.7	-0.9%
1.3%	73.8	75.2	1.3	1.8%
2.5%	73.1	74.3	1.2	1.7%
3.8%	72.0	71.1	-0.9	-1.3%
5.0%	70.5	69.5	-1.0	-1.4%
6.3%	67.3	69.5	2.2	3.2%
7.5%	67.1	68.0	0.9	1.3%
8.8%	67.1	67.9	0.8	1.3%
10.0%	67.1	67.3	0.2	0.3%
11.3%	66.9	66.9	0.1	0.1%
12.5%	66.9	66.9	0.0	0.0%
13.8%	66.8	66.7	-0.2	-0.2%
15.0%	66.7	66.6	-0.1	-0.1%
16.3%	66.5	66.6	0.1	0.1%
17.5%	66.4	66.6	0.2	0.3%
18.8%	66.3	66.5	0.2	0.3%
20.0%	66.3	66.4	0.1	0.2%
21.3%	66.3	66.4	0.1	0.2%
22.5%	66.0	66.3	0.3	0.4%
23.8%	66.0	66.2	0.2	0.2%
25.0%	65.6	66.0	0.4	0.6%
26.3%	65.4	65.8	0.4	0.6%
27.5%	65.4	65.7	0.3	0.4%
28.8%	65.2	65.5	0.3	0.5%
30.0%	65.2	65.2	0.0	0.1%
31.3%	65.1	65.2	0.1	0.1%
32.5%	64.9	65.1	0.2	0.4%
33.8%	64.3	65.1	0.8	1.2%
35.0%	64.3	64.7	0.5	0.7%
36.3%	64.1	64.3	0.2	0.3%
37.5%	64.0	64.0	0.0	0.0%
38.8%	63.7	63.9	0.2	0.4%
40.0%	63.7	63.8	0.1	0.2%
41.3%	63.5	63.6	0.1	0.1%
42.5%	63.4	63.6	0.2	0.3%
43.8%	63.4	63.5	0.2	0.3%
45.0%	63.3	63.5	0.2	0.3%
46.3%	63.1	63.5	0.4	0.7%
47.5%	63.0	63.4	0.4	0.6%
48.8%	63.0	63.1	0.2	0.3%
50.0%	62.9	63.0	0.1	0.2%
51.3%	62.8	63.0	0.2	0.3%
52.5%	62.7	63.0	0.3	0.5%
53.8%	62.5	63.0	0.5	0.7%
55.0%	62.5	62.7	0.3	0.4%
56.3%	62.5	62.6	0.2	0.3%
57.5%	62.4	62.6	0.2	0.3%
58.8%	62.3	62.4	0.1	0.2%
60.0%	62.0	62.1	0.1	0.2%
61.3%	62.0	62.1	0.1	0.1%
62.5%	62.0	62.1	0.1	0.2%
63.8%	61.8	62.0	0.1	0.2%
65.0%	61.8	62.0	0.2	0.3%
66.3%	61.7	61.9	0.2	0.3%
67.5%	61.7	61.9	0.2	0.3%
68.8%	61.7	61.9	0.2	0.3%
70.0%	61.7	61.8	0.1	0.1%
71.3%	61.6	61.8	0.1	0.2%
72.5%	61.6	61.6	0.0	0.0%
73.8%	61.5	61.5	0.0	0.0%
75.0%	61.5	61.5	0.0	0.0%
76.3%	61.2	61.3	0.0	0.1%
77.5%	61.1	61.2	0.1	0.1%
78.8%	60.9	60.9	0.0	0.0%
80.0%	60.7	60.8	0.1	0.1%
81.3%	60.7	60.8	0.1	0.1%
82.5%	60.7	60.7	0.0	0.0%
83.8%	60.7	60.7	0.0	0.0%
85.0%	60.6	60.6	0.0	0.0%
86.3%	60.6	60.6	0.0	0.0%
87.5%	60.5	60.5	0.0	0.0%
88.8%	60.4	60.4	0.0	0.0%
90.0%	60.3	60.4	0.1	0.2%
91.3%	60.2	60.2	0.1	0.1%
92.5%	60.1	60.0	0.0	0.0%
93.8%	59.5	59.5	0.0	0.1%
95.0%	59.2	59.2	0.0	-0.1%
96.3%	58.8	58.7	-0.1	-0.1%
97.5%	58.7	58.6	-0.1	-0.1%
98.8%	58.1	57.9	-0.2	-0.3%
100.0%	57.8	57.8	0.0	0.0%

July

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	82.2	81.2	-1.0	-1.2%
1.3%	74.9	77.0	2.1	2.9%
2.5%	74.2	75.2	1.0	1.3%
3.8%	73.8	72.9	-0.9	-1.2%
5.0%	72.8	71.5	-1.3	-1.8%
6.3%	71.9	70.9	-1.0	-1.4%
7.5%	70.5	70.7	0.2	0.3%
8.8%	69.9	70.3	0.4	0.5%
10.0%	69.4	69.8	0.4	0.5%
11.3%	69.4	69.6	0.1	0.2%
12.5%	69.3	69.5	0.2	0.3%
13.8%	69.1	69.2	0.1	0.1%
15.0%	68.7	69.0	0.3	0.5%
16.3%	68.6	67.9	-0.6	-0.9%
17.5%	68.3	67.9	-0.5	-0.7%
18.8%	67.9	67.4	-0.5	-0.7%
20.0%	67.9	67.2	-0.7	-1.0%
21.3%	67.8	67.2	-0.6	-0.9%
22.5%	67.0	67.0	0.0	0.0%
23.8%	67.0	66.8	-0.2	-0.3%
25.0%	66.8	66.8	0.0	0.0%
26.3%	66.7	66.7	0.0	0.0%
27.5%	66.5	66.6	0.1	0.2%
28.8%	66.4	66.2	-0.2	-0.3%
30.0%	66.3	66.2	-0.1	-0.2%
31.3%	66.3	66.2	-0.1	-0.2%
32.5%	66.2	66.1	-0.1	-0.2%
33.8%	66.2	66.1	-0.1	-0.2%
35.0%	66.1	66.0	-0.1	-0.1%
36.3%	66.0	65.9	-0.1	-0.1%
37.5%	66.0	65.9	0.0	0.0%
38.8%	65.9	65.9	0.0	0.0%
40.0%	65.9	65.9	0.0	0.0%
41.3%	65.8	65.9	0.1	0.2%
42.5%	65.8	65.9	0.1	0.2%
43.8%	65.8	65.9	0.1	0.1%
45.0%	65.8	65.9	0.1	0.1%
46.3%	65.7	65.8	0.1	0.1%
47.5%	65.7	65.8	0.2	0.3%
48.8%	65.6	65.8	0.2	0.3%
50.0%	65.6	65.8	0.2	0.3%
51.3%	65.5	65.7	0.2	0.3%
52.5%	65.5	65.6	0.1	0.2%
53.8%	65.4	65.6	0.1	0.2%
55.0%	65.4	65.5	0.1	0.1%
56.3%	65.4	65.4	0.0	0.1%
57.5%	65.4	65.4	0.1	0.1%
58.8%	65.4	65.4	0.0	0.0%
60.0%	65.3	65.3	0.0	0.0%
61.3%	65.3	65.2	-0.2	-0.2%
62.5%	65.2	65.1	-0.1	-0.1%
63.8%	65.2	65.1	-0.1	-0.1%
65.0%	65.2	65.1	0.0	0.0%
66.3%	65.1	65.1	0.0	0.0%
67.5%	65.1	65.1	0.0	0.0%
68.8%	65.0	65.0	0.0	0.0%
70.0%	65.0	65.0	0.0	0.0%
71.3%	65.0	65.0	0.0	0.0%
72.5%	65.0	65.0	0.0	0.0%
73.8%	65.0	64.9	0.0	0.0%
75.0%	64.9	64.9	0.1	0.1%
76.3%	64.7	64.9	0.2	0.3%
77.5%	64.7	64.9	0.2	0.2%
78.8%	64.6	64.6	0.0	-0.1%
80.0%	64.6	64.5	-0.1	-0.2%
81.3%	64.6	64.5	-0.1	-0.1%
82.5%	64.6	64.5	-0.1	-0.1%
83.8%	64.6	64.5	-0.1	-0.1%
85.0%	64.5	64.5	0.0	0.0%
86.3%	64.4	64.5	0.0	0.1%
87.5%	64.3	64.4	0.1	0.2%
88.8%	64.2	64.3	0.1	0.2%
90.0%	64.2	64.3	0.1	0.2%
91.3%	64.1	64.2	0.1	0.1%
92.5%	64.1	64.0	-0.1	-0.1%
93.8%	64.0	64.0	0.0	0.0%
95.0%	63.6	63.6	0.0	-0.1%
96.3%	63.4	63.4	-0.1	-0.1%
97.5%	63.0	62.9	-0.1	-0.2%
98.8%	61.9	61.9	0.0	0.0%
100.0%	61.7	61.6	-0.1	-0.2%

August

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	82.7	80.9	-1.9	-2.3%
1.3%	78.1	75.4	-2.7	-3.4%
2.5%	75.5	75.3	-0.2	-0.3%
3.8%	74.5	73.1	-1.4	-1.9%
5.0%	73.6	72.8	-0.8	-1.1%
6.3%	73.2	72.1	-1.1	-1.5%
7.5%	71.6	70.7	-1.0	-1.3%
8.8%	71.0	70.7	-0.3	-0.5%
10.0%	70.6	70.2	-0.4	-0.6%
11.3%	70.4	69.9	-0.6	-0.8%
12.5%	70.1	69.8	-0.3	-0.5%
13.8%	69.9	69.7	-0.3	-0.4%
15.0%	69.8	69.6	-0.2	-0.2%
16.3%	69.6	69.6	-0.1	-0.1%
17.5%	69.5	69.5	0.1	0.1%
18.8%	69.5	69.5	0.0	0.0%
20.0%	68.9	68.4	-0.4	-0.6%
21.3%	68.5	68.2	-0.2	-0.4%
22.5%	68.4	68.2	-0.2	-0.3%
23.8%	68.3	68.2	-0.1	-0.1%
25.0%	68.3	67.6	-0.7	-1.0%
26.3%	68.0	67.6	-0.4	-0.6%
27.5%	67.9	67.5	-0.4	-0.6%
28.8%	67.7	67.5	-0.2	-0.3%
30.0%	67.6	67.4	-0.2	-0.2%
31.3%	67.5	67.4	-0.1	-0.2%
32.5%	67.5	67.4	-0.1	-0.1%
33.8%	67.5	67.4	-0.1	-0.1%
35.0%	67.4	67.4	-0.1	-0.1%
36.3%	67.4	67.4	0.0	0.0%
37.5%	67.4	67.3	0.0	0.0%
38.8%	67.3	67.3	0.0	0.0%
40.0%	67.3	67.3	0.0	-0.1%
41.3%	67.3	67.3	0.0	0.0%
42.5%	67.3	67.2	-0.1	-0.1%
43.8%	67.3	67.2	-0.1	-0.2%
45.0%	67.3	67.1	-0.1	-0.2%
46.3%	67.3	67.1	-0.1	-0.2%
47.5%	67.2	67.1	-0.1	-0.2%
48.8%	67.2	67.1	-0.1	-0.2%
50.0%	67.2	67.0	-0.1	-0.2%
51.3%	67.2	67.0	-0.2	-0.2%
52.5%	67.1	67.0	-0.2	-0.3%
53.8%	67.1	66.9	-0.2	-0.3%
55.0%	67.1	66.9	-0.1	-0.2%
56.3%	67.0	66.9	-0.1	-0.1%
57.5%	66.9	66.8	-0.1	-0.2%
58.8%	66.9	66.7	-0.2	-0.3%
60.0%	66.8	66.7	-0.1	-0.2%
61.3%	66.7	66.7	0.0	0.0%
62.5%	66.7	66.7	0.0	-0.1%
63.8%	66.7	66.6	-0.1	-0.1%
65.0%	66.7	66.6	-0.1	-0.2%
66.3%	66.6	66.6	0.0	-0.1%
67.5%	66.6	66.5	-0.1	-0.1%
68.8%	66.5	66.5	-0.1	-0.1%
70.0%	66.5	66.4	-0.2	-0.2%
71.3%	66.5	66.3	-0.2	-0.2%
72.5%	66.4	66.3	-0.1	-0.2%
73.8%	66.4	66.2	-0.2	-0.3%
75.0%	66.4	66.1	-0.3	-0.4%
76.3%	66.3	66.1	-0.3	-0.4%
77.5%	66.3	65.8	-0.5	-0.7%
78.8%	66.2	65.6	-0.6	-0.9%
80.0%	66.0	65.6	-0.4	-0.7%
81.3%	65.8	65.5	-0.3	-0.5%
82.5%	65.6	65.5	-0.1	-0.1%
83.8%	65.6	65.4	-0.2	-0.2%
85.0%	65.6	65.4	-0.2	-0.3%
86.3%	65.5	65.4	-0.1	-0.2%
87.5%	65.4	65.3	-0.1	-0.1%
88.8%	65.3	65.2	-0.1	-0.1%
90.0%	65.3	65.2	-0.1	-0.1%
91.3%	65.1	65.1	0.0	0.0%
92.5%	65.1	65.1	0.0	0.0%
93.8%	65.1	65.1	0.0	0.0%
95.0%	65.0	65.0	-0.1	-0.1%
96.3%	64.9	64.9	0.0	0.0%
97.5%	64.9	64.9	0.0	0.0%
98.8%	64.9	64.8	-0.1	-0.1%
100.0%	64.7	64.7	0.0	0.0%

September

Percent Exceedance Probability (%)	No Action Alternative Monthly Temperature (DEG-F)	Alternative D Monthly Temperature (DEG-F)	Absolute Difference (DEG-F)	Relative Difference (%)
0.0%	76.5	75.4	-1.1	-1.4%
1.3%	75.6	73.5	-2.0	-2.7%
2.5%	74.6	71.8	-2.7	-3.7%
3.8%	72.7	71.4	-1.3	-1.8%
5.0%	71.5	71.4	-0.1	-0.1%
6.3%	70.5	70.5	0.0	-0.1%
7.5%	70.4	70.1	-0.3	-0.4%
8.8%	70.3	69.6	-0.7	-1.0%
10.0%	70.3	69.2	-1.0	-1.5%
11.3%	69.6	69.2	-0.4	-0.5%
12.5%	69.4	69.0	-0.4	-0.5%
13.8%	69.4	69.0	-0.4	-0.5%
15.0%	69.3	68.9	-0.4	-0.5%
16.3%	68.4	68.8	0.4	0.5%
17.5%	68.0	68.7	0.7	1.1%
18.8%	67.9	68.7	0.7	1.1%
20.0%	67.9	67.7	-0.2	-0.4%
21.3%	67.6	67.1	-0.6	-0.9%
22.5%	67.5	66.9	-0.5	-0.8%
23.8%	67.2	66.8	-0.4	-0.7%
25.0%	67.2	66.7	-0.5	-0.8%
26.3%	67.1	66.5	-0.6	-0.9%
27.5%	66.8	66.5	-0.3	-0.5%
28.8%	66.8	66.3	-0.4	-0.7%
30.0%	66.6	66.3	-0.3	-0.4%
31.3%	66.6	66.3	-0.3	-0.5%
32.5%	66.6	66.3	-0.3	-0.5%
33.8%	66.3	66.3	0.0	0.0%
35.0%	66.3	66.2	-0.1	-0.2%
36.3%	66.3	66.1	-0.1	-0.2%
37.5%	66.2	66.1	-0.1	-0.1%
38.8%	66.2	66.1	-0.1	-0.1%
40.0%	66.1	66.1	0.0	0.0%
41.3%	66.0	66.1	0.1	0.2%
42.5%	66.0	66.1	0.1	0.2%
43.8%	65.9	66.1	0.2	0.2%
45.0%	65.9	66.1	0.2	0.2%
46.3%	65.9	66.0	0.1	0.2%
47.5%	65.9	65.9	0.1	0.1%
48.8%	65.8	65.9	0.1	0.1%
50.0%	65.8	65.9	0.1	0.1%
51.3%	65.7	65.9	0.1	0.2%
52.5%	65.7	65.9	0.2	0.2%
53.8%	65.7	65.8	0.2	0.3%
55.0%	65.7	65.8	0.2	0.3%
56.3%	65.6	65.8	0.1	0.2%
57.5%	65.6	65.7	0.1	0.2%
58.8%	65.5	65.7	0.2	0.4%
60.0%	65.5	65.7	0.2	0.4%
61.3%	65.5	65.7	0.3	0.4%
62.5%	65.5	65.6	0.1	0.1%
63.8%	65.4	65.4	0.0	-0.1%
65.0%	65.4	65.3	-0.1	-0.1%
66.3%	65.3	65.2	-0.1	-0.1%
67.5%	65.2	65.0	-0.2	-0.3%
68.8%	65.1	65.0	-0.2	-0.2%
70.0%	64.9	64.9	0.0	0.0%
71.3%	64.8	64.8	0.0	0.0%
72.5%	64.7	64.8	0.0	0.1%
73.8%	64.7	64.7	0.0	0.0%
75.0%	64.6	64.6	-0.1	-0.1%
76.3%	64.6	64.5	-0.1	-0.1%
77.5%	64.5	64.5	0.0	0.0%
78.8%	64.5	64.5	0.0	-0.1%
80.0%	64.4	64.4	0.0	0.0%
81.3%	64.4	64.3	-0.1	-0.1%
82.5%	64.3	64.3	0.0	0.0%
83.8%	64.2	64.2	0.0	0.0%
85.0%	64.2	64.2	0.0	0.0%
86.3%	64.2	64.2	0.0	0.0%
87.5%	64.2	64.2	0.0	0.0%
88.8%	64.2	64.1	-0.1	-0.1%
90.0%	64.2	64.0	-0.1	-0.2%
91.3%	64.1	64.0	-0.1	-0.1%
92.5%	64.0	64.0	0.0	0.0%
93.8%	63.8	64.0	0.2	0.2%
95.0%	63.8	64.0	0.2	0.3%
96.3%	63.8	64.0	0.2	0.3%
97.5%	63.8	63.9	0.1	0.1%
98.8%	63.8	63.8	0.1	0.1%
100.0%	63.5	63.7	0.2	0.3%