## Appendix 6D Sites Reservoir Discharge Temperature Modeling, Attachment 1 Reservoir Surface Water and Release Temperature

## 1 Results

The following results of the Sites Release Temperature Blending Tool are included at key locations for the following alternatives:

- No Action Alternative 051422
- Alternative 1A 051722
- Alternative 1B 051722
- Alternative 2 051722
- Alternative 3 051722

Table 6D2-1. Water Temperature at Downstream Locations and Parameters

Section	<b>Output Parameters</b>	Table Numbers	Figure Numbers
Reservoir Surface Water and Release Temperature	Surface Water Temperature	NA	6D1-1-1 to 6D1-1-12
Reservoir Surface Water and Release Temperature	Release Temperature	NA	6D1-2-1 to 6D1-2-12

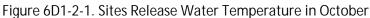
## 2 Report Formats

Reports include monthly exceedance charts. Monthly exceedance charts (all months) present all alternatives, and differences of each alternative and the No Action Alternative. Results are filtered to months of Sites release. As such, gaps occur in the exceedance charts of release temperature.

– – Alternative 1B 051722 ---- Alternative 1A 051722 - Alternative 2 051722 - · · Alternative 3 051722 80 75 70 Temperature (deg F) 65 60 55 50 45 40 35 90% 80% 30% 20% 100% 70% 60% 50% 40% 10% 0%

Exceedance Percentage

Figure 6D1-1-1. Sites Surface Water Temperature in October



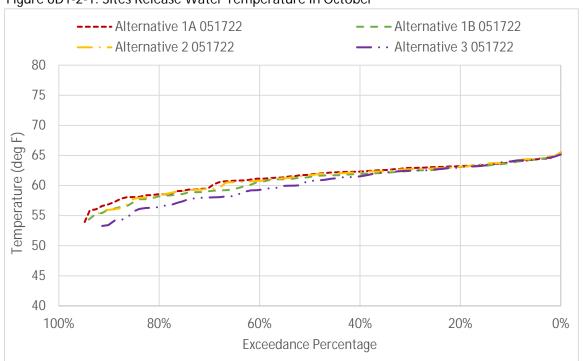


Figure 6D1-1-2. Sites Surface Water Temperature in November

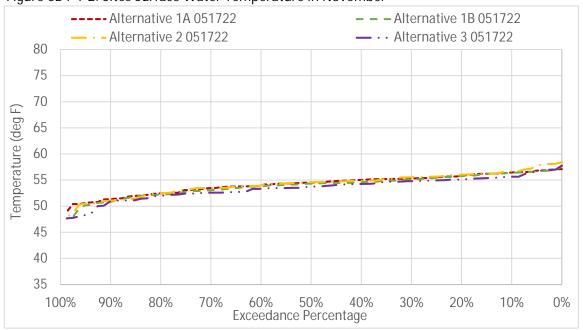
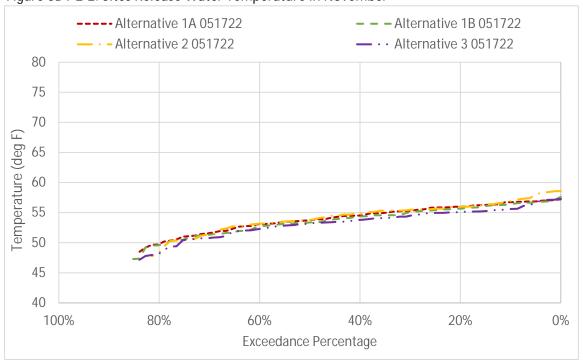


Figure 6D1-2-2. Sites Release Water Temperature in November



50%

Exceedance Percentage

40%

60%

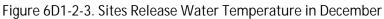
30%

20%

10%

0%

Figure 6D1-1-3. Sites Surface Water Temperature in December

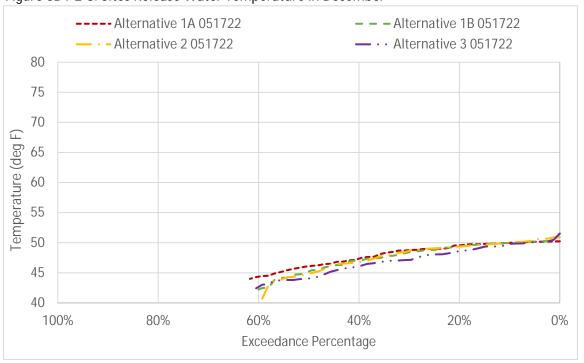


70%

90%

100%

80%



 – Alternative 1B 051722 -- Alternative 1A 051722 - Alternative 2 051722 · · · Alternative 3 051722 80 75 70 Temperature (deg F) 65 60 55 50

50%

**Exceedance Percentage** 

40%

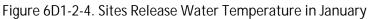
30%

20%

0%

10%

Figure 6D1-1-4. Sites Surface Water Temperature in January



70%

60%

80%

45 40 35

100%

90%

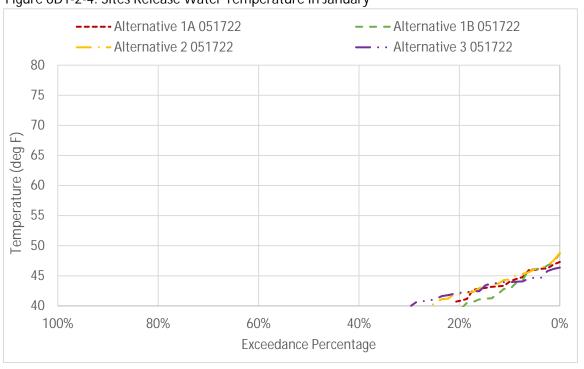


Figure 6D1-1-5. Sites Surface Water Temperature in February

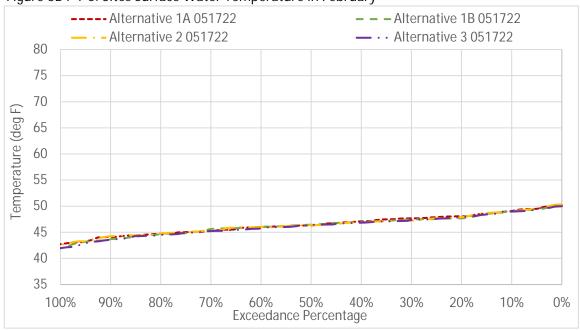


Figure 6D1-2-5. Sites Release Water Temperature in February

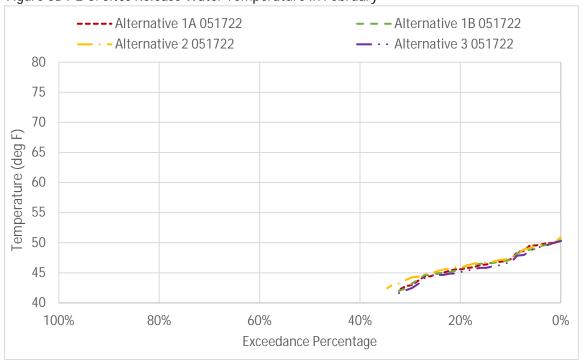


Figure 6D1-1-6. Sites Surface Water Temperature in March

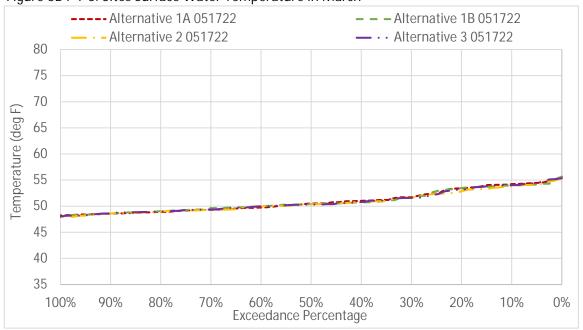


Figure 6D1-2-6. Sites Release Water Temperature in March

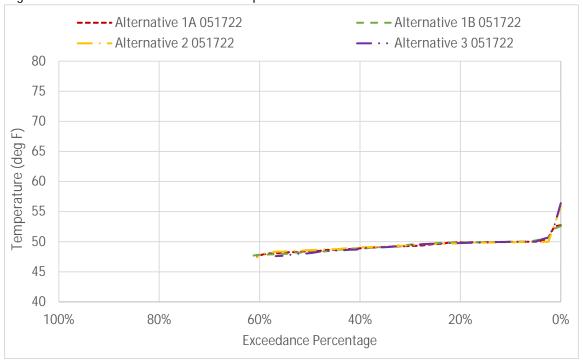


Figure 6D1-1-7. Sites Surface Water Temperature in April

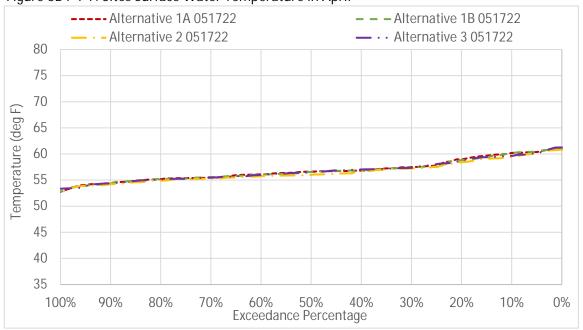


Figure 6D1-2-7. Sites Release Water Temperature in April

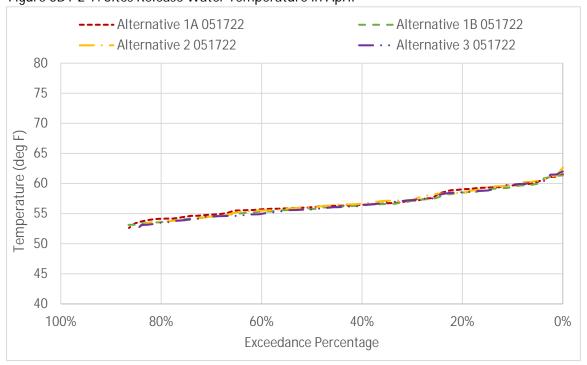


Figure 6D1-1-8. Sites Surface Water Temperature in May

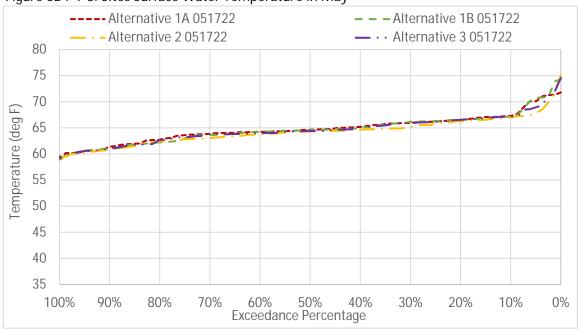


Figure 6D1-2-8. Sites Release Water Temperature in May

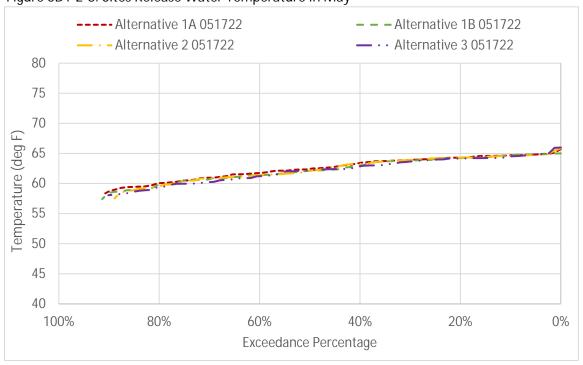
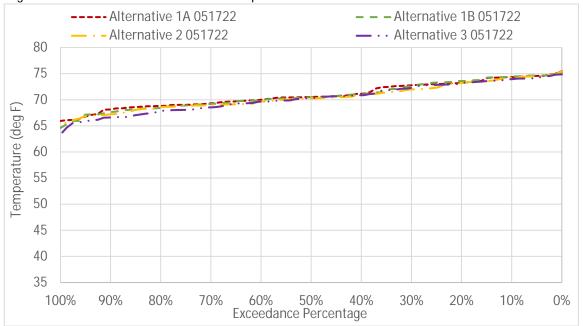
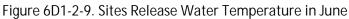


Figure 6D1-1-9. Sites Surface Water Temperature in June - Alternative 1A 051722 - Alternative 2 051722 80





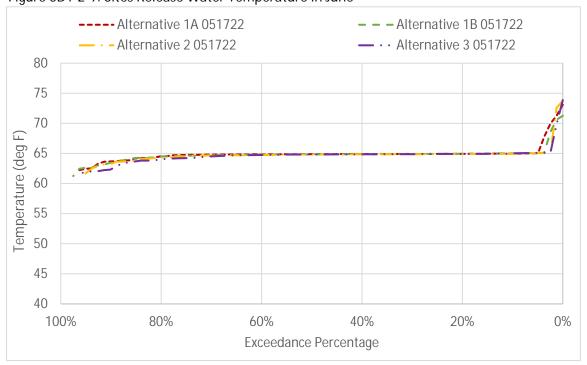
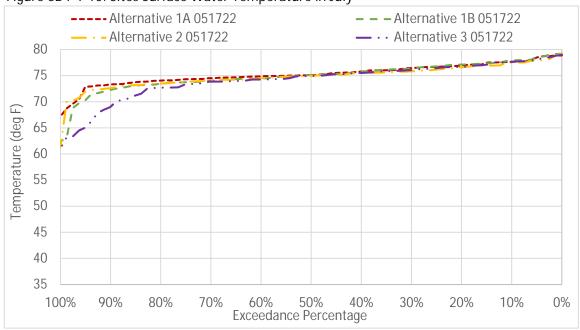
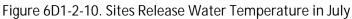
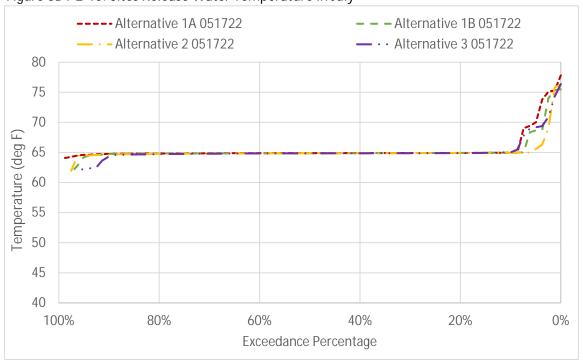


Figure 6D1-1-10. Sites Surface Water Temperature in July







---- Alternative 1A 051722 ---- Alternative 3 051722
---- Alternative 2 051722 ---- Alternative 3 051722

75

70

65

9

9

9

145

40

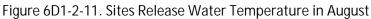
30%

20%

10%

0%

Figure 6D1-1-11. Sites Surface Water Temperature in August



70%

60%

50%

Exceedance Percentage

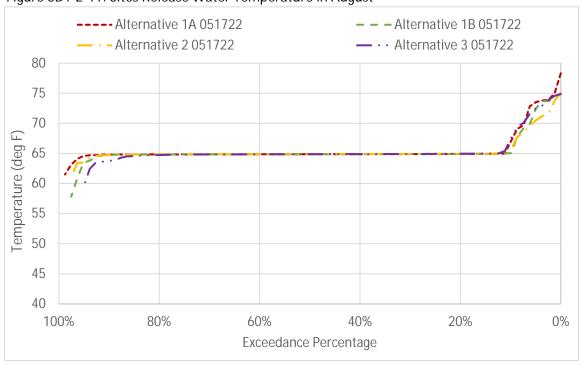
40%

35

100%

90%

80%



-- Alternative 1A 051722 – – Alternative 1B 051722 - Alternative 2 051722 - · · Alternative 3 051722 80 75 70 Temperature (deg F) 65 60 55 50 45 40 35 80% 30% 20% 100% 90% 70% 60% 50% 40% 10% 0% Exceedance Percentage

Figure 6D1-1-12. Sites Surface Water Temperature in September

