

Assessment of San Joaquin River Fall Temperatures from Friant Dam to Gravelly Ford

Water Management Support

SAN JOAQUIN RIVER
RESTORATION PROGRAM



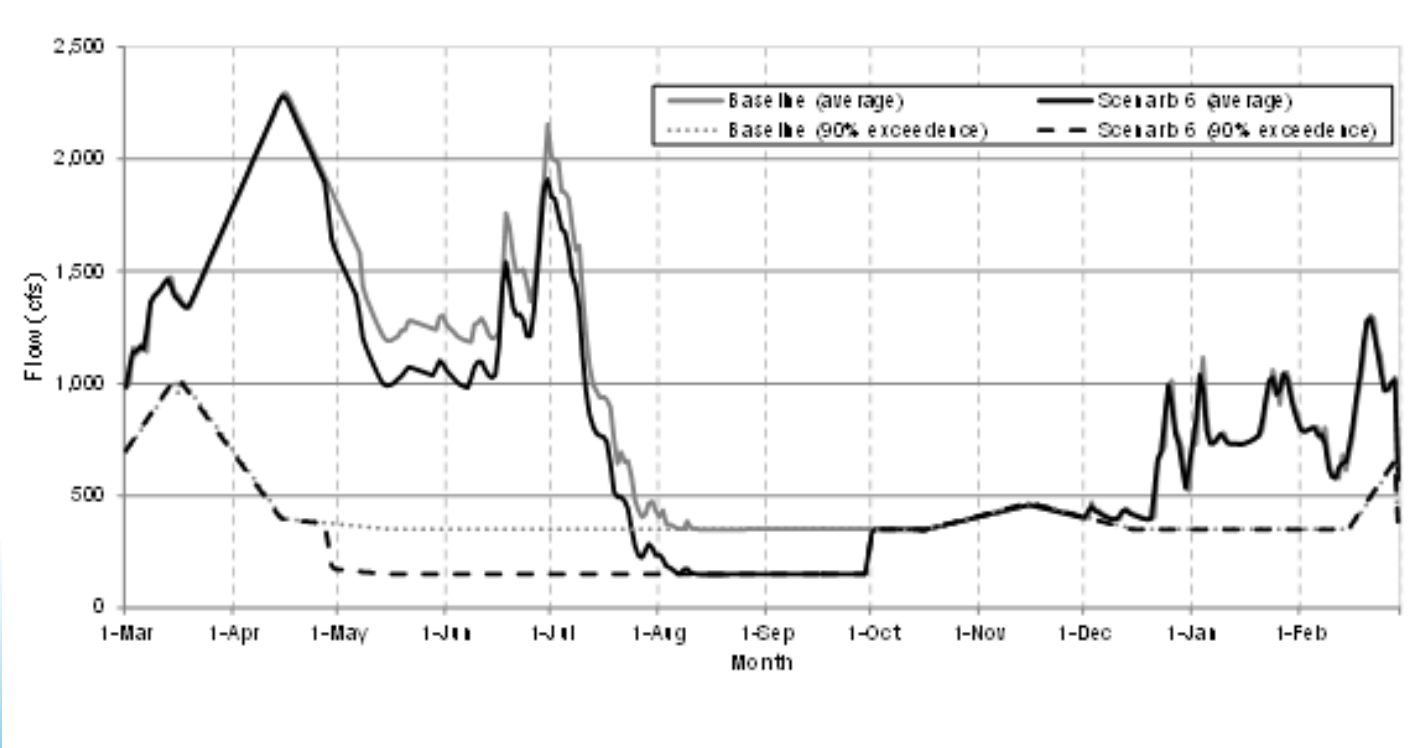
Restoration Goals Technical Feedback Group Meeting

Scenarios Analysed

- Divided Scenarios into groups based on operational assumptions. Selected representative Scenario expected to have the largest temperature impact.
- Scenario 6 – from 4, 5, 6, 9, 10 and 11
 - Reduce SJR release, increase FKC during summer
- Scenario 7 and 8 – unique
- Scenario 14 – from 1, 2, 3, 12, 13, 14
 - Reduce SJR release during summer, increase during fall

Scenario 6 Results

Millerton Lake Release to San Joaquin River

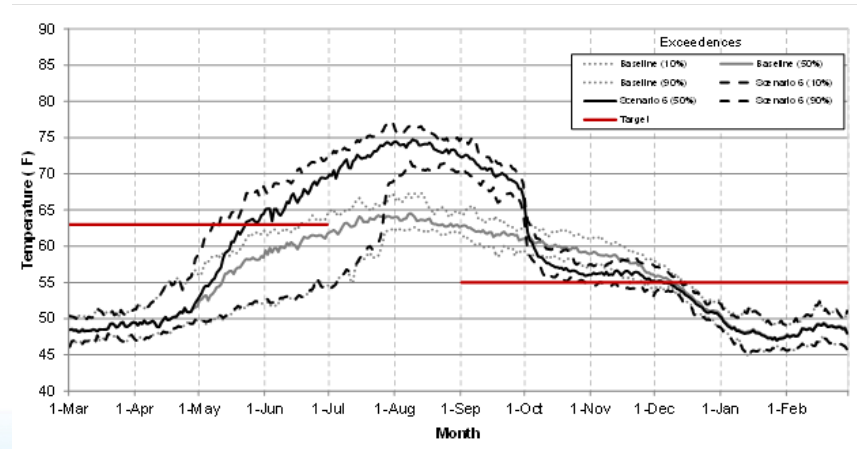
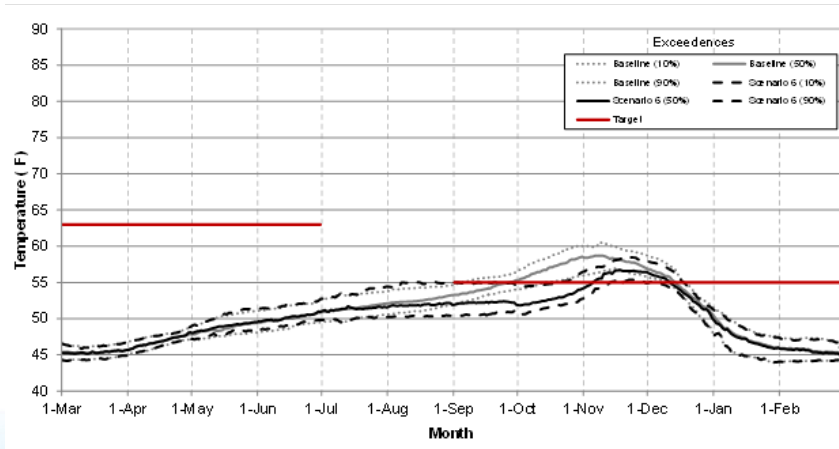




Scenario 6 Results (cont.)

Millerton Lake Release Temp

SJR Temp at SR 41

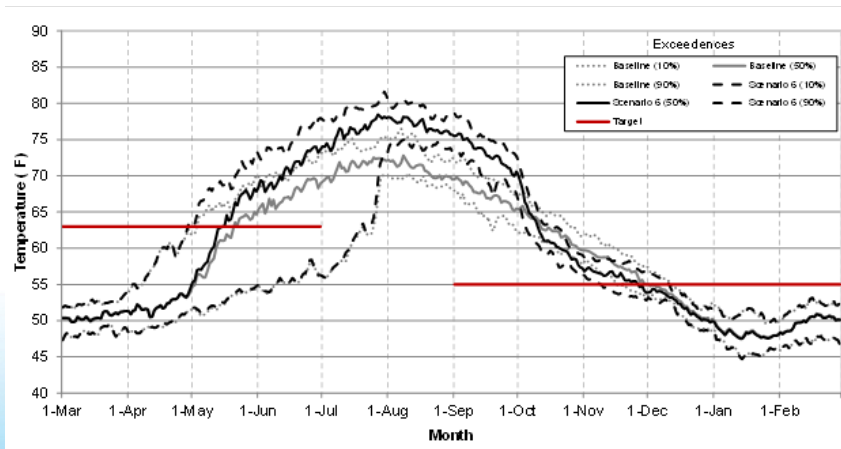


Note: required addition of new San Joaquin inflow at Dry Creek. Inflow temperature assumed to be temperature of FKC diversion plus same heating as in San Joaquin River

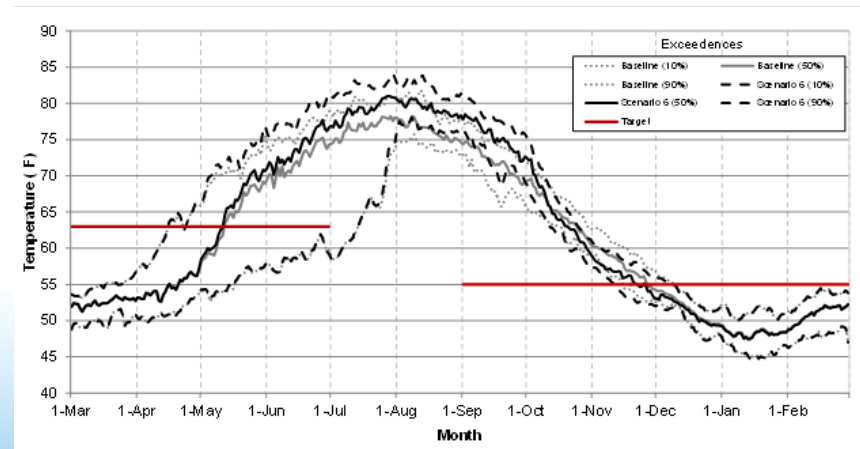


Scenario 6 Results (cont.)

SJR Temp at SR 99

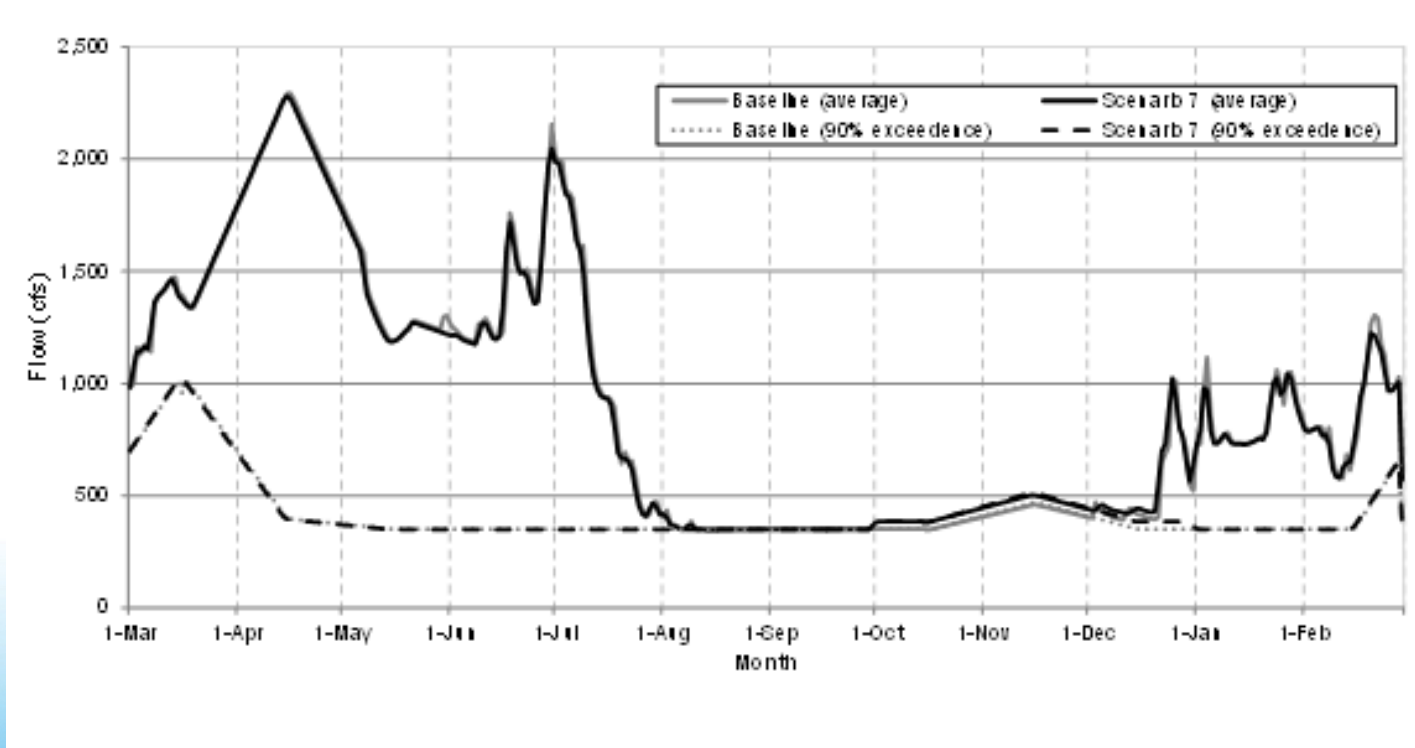


SJR Temp at Gravelly Ford



Scenario 7 Results

Millerton Lake Release to San Joaquin River

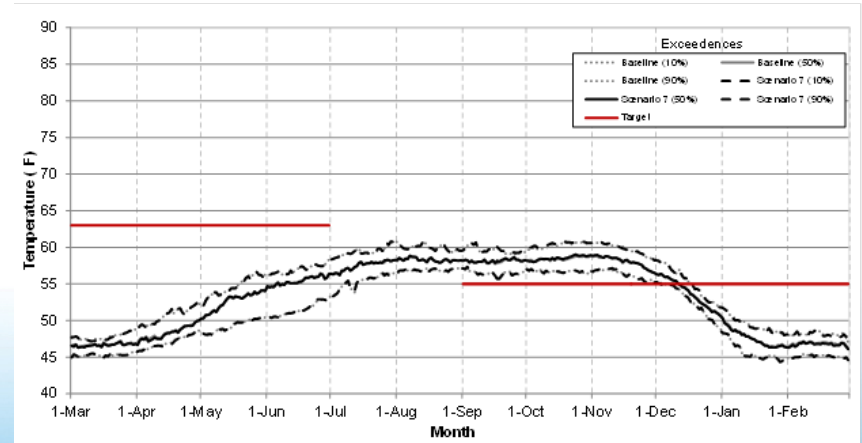
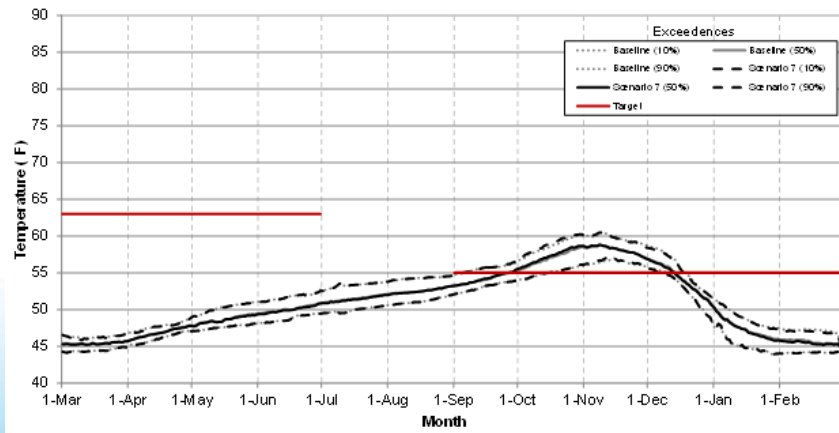




Scenario 7 Results (cont.)

Millerton Lake Release Temp

SJR Temp at SR 41

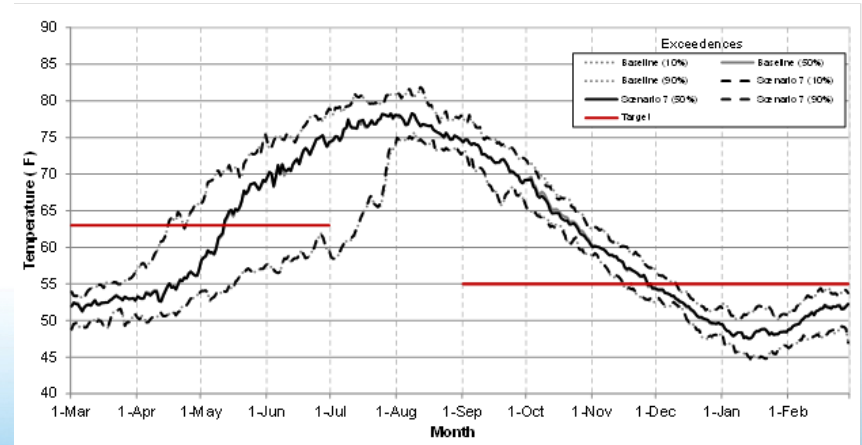
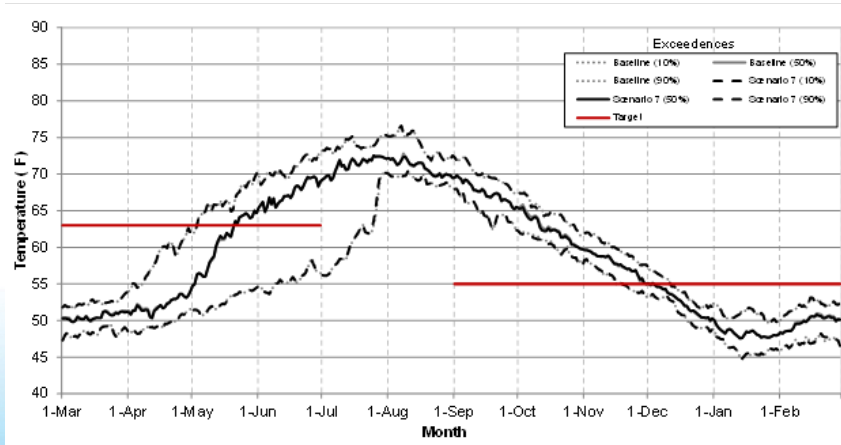




Scenario 7 Results (cont.)

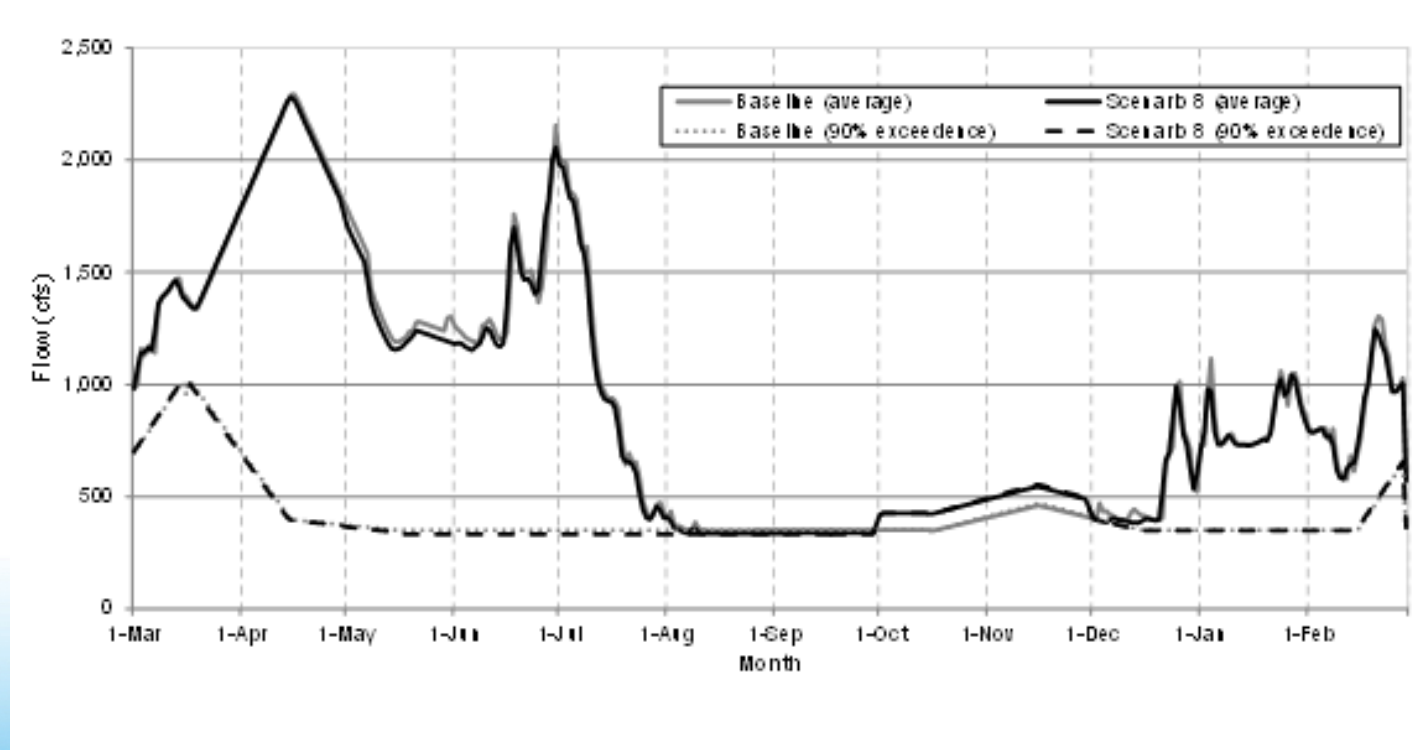
SJR Temp at SR 99

SJR Temp at Gravelly Ford



Scenario 8 Results

Millerton Lake Release to San Joaquin River

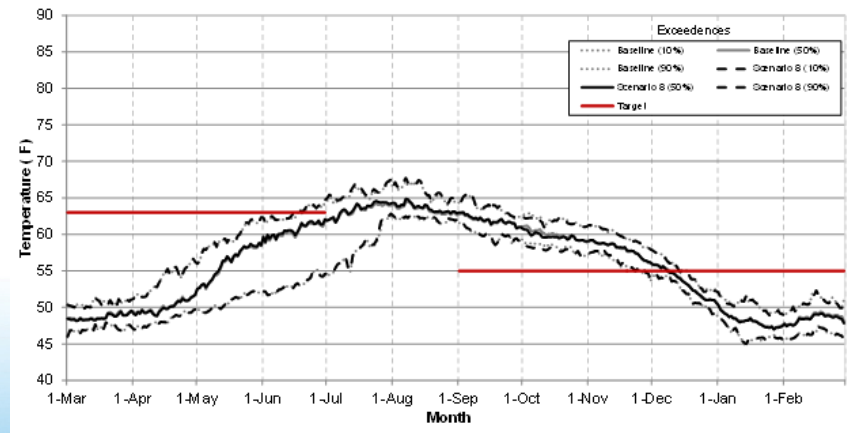
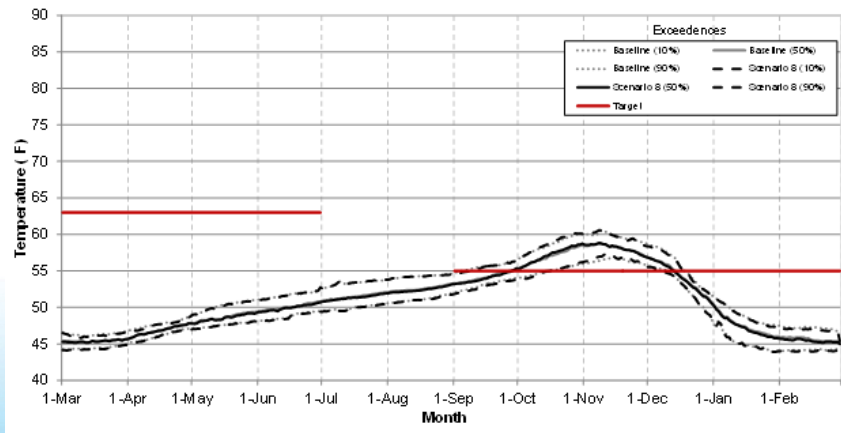




Scenario 8 Results (cont.)

Millerton Lake Release Temp

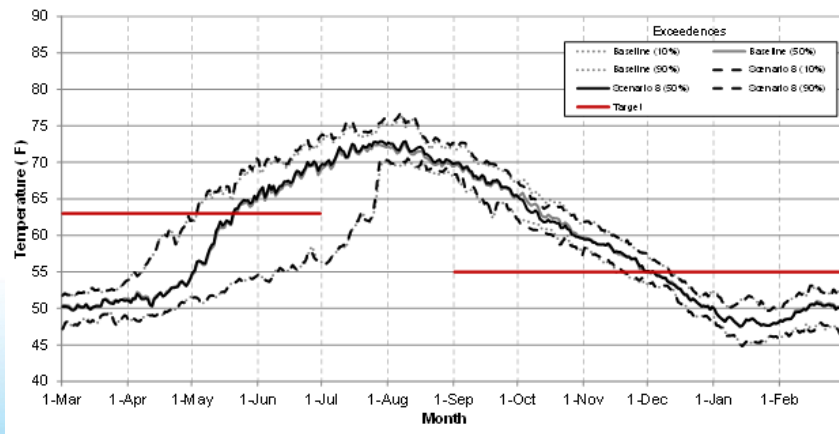
SJR Temp at SR 41



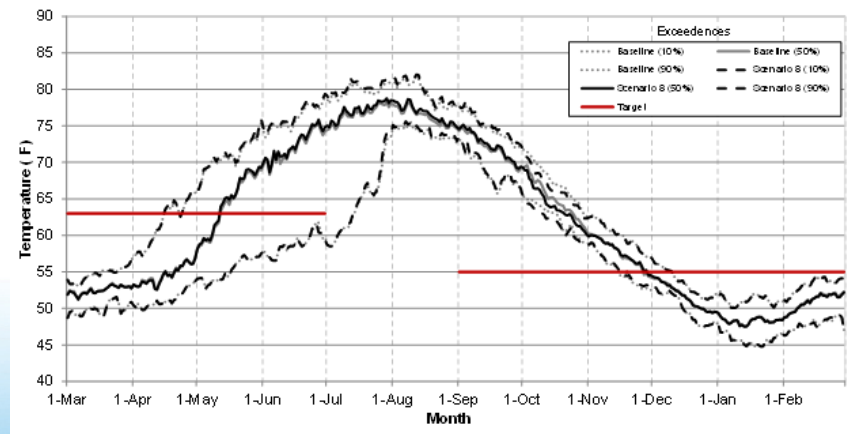


Scenario 8 Results (cont.)

SJR Temp at SR 99

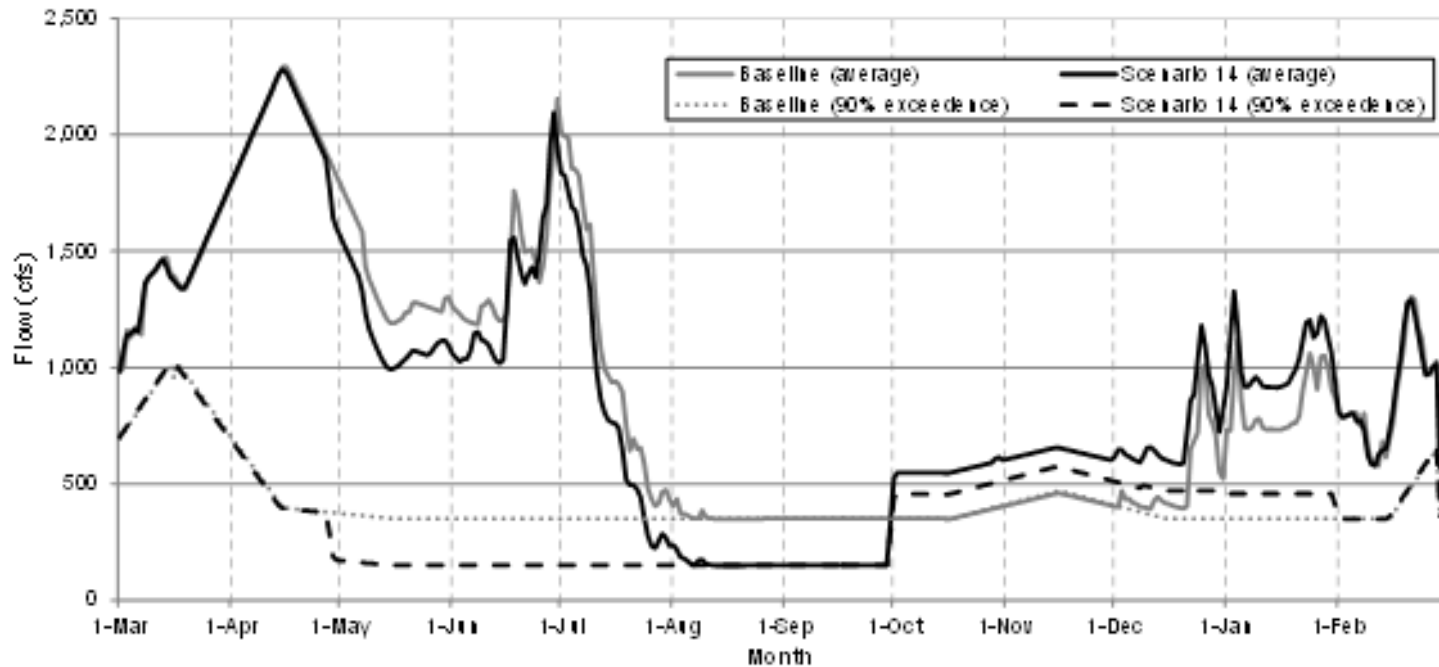


SJR Temp at Gravelly Ford



Scenario 14 Results

Millerton Lake Release to San Joaquin River

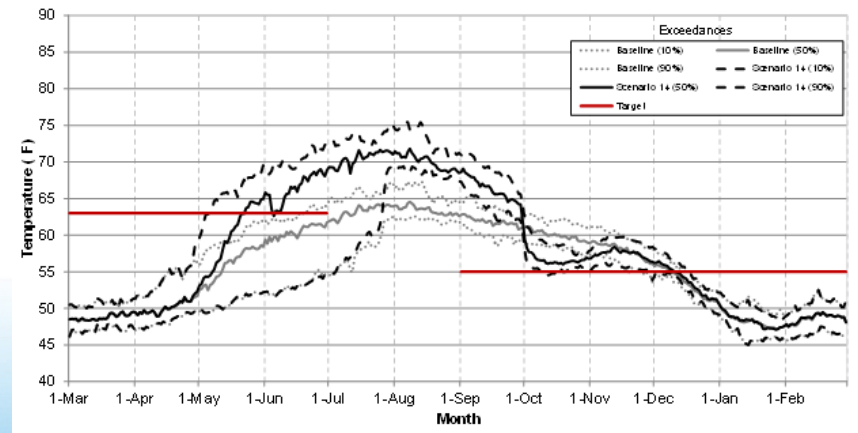
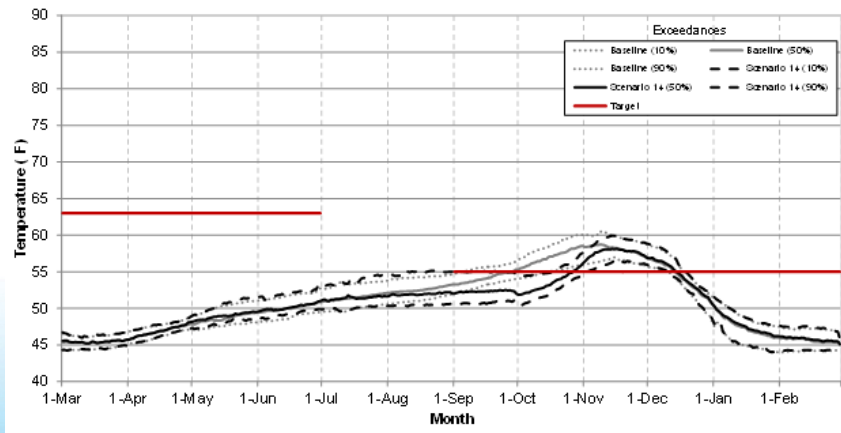


NOTE: Release period extended from through November to through January to avoid potential dewatering impacts

Scenario 14 Results (cont.)

Millerton Lake Release Temp

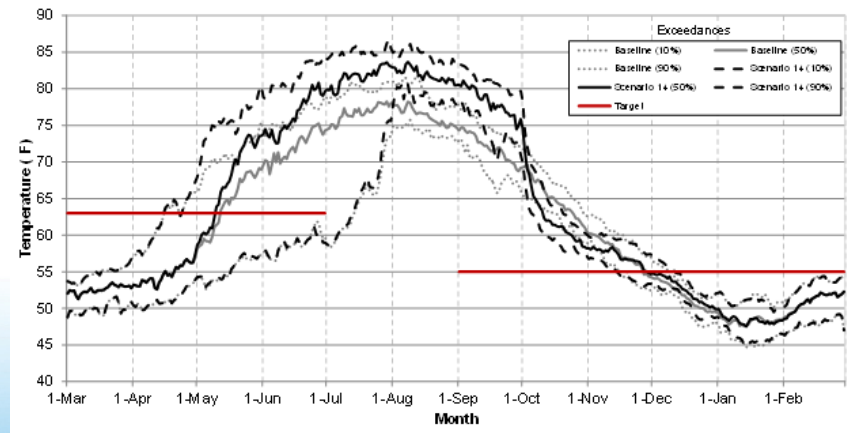
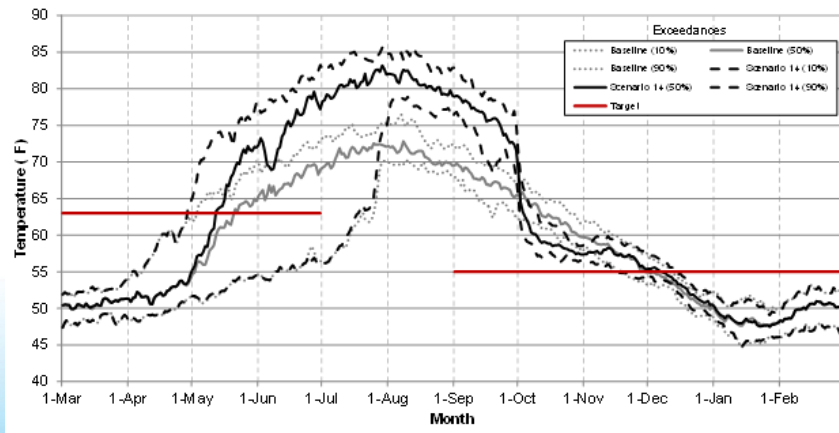
SJR Temp at SR 41



Scenario 14 Results (cont.)

SJR Temp at SR 99

SJR Temp at Gravelly Ford





Questions?