



DWORSHAK – SUMMER 2025 OPERATIONS



This analysis is intended to allow for the comparison of relative differences in releases from Dworshak Reservoir and the related impact on Lower Snake River water temperature between two different operations scenarios for the summer of 2025. Alternative 0 shows an analysis for releasing water from Dworshak to maintain the tailwater temperature at Lower Granite at 68F. This is considered the "no change" operational alternative. Alternative 1 is the currently implemented operation as described in SOR-2025-02 (https://public.crohms.org/tmt/agendas/2025/0625_SOR_DWR_flow_for_Sockeye_2025.pdf).

Notes:

1. The information presented in this report is based on conditions and information that is known at the time of analysis. Graphs and information are intended for a relative comparison for each alternative.
2. Due to the inherent uncertainties associated with long-term forecasting, the findings and projections contained herein are based on including the most accurate information regarding weather and heat waves but may not represent the most accurate timing of each heat wave or weather change.
3. The information on the following graphs should be use for general understanding of the impacts of different alternatives, understanding that conditions will be monitored in real-time by NWW WM. Updates to real-time conditions and the availability of water will be provided at least weekly, during the planned regional TMT meetings.
4. All graphs are plotted with one day average values for both temperature and flow



ALTERNATIVE 0 – TYPICAL OPERATIONS FOR TEMPERATURE AUGMENTATION



Releases Modeled:

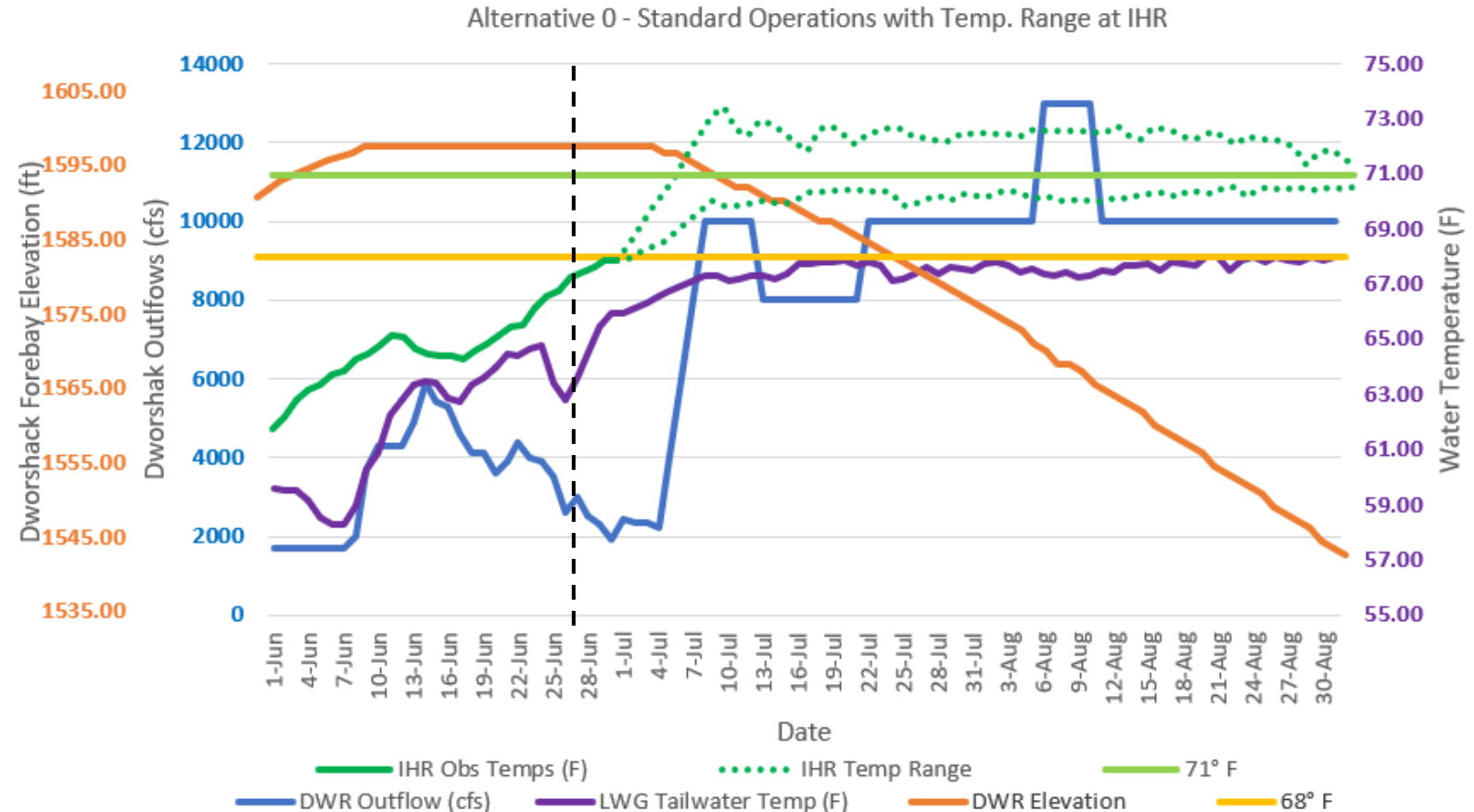
- July 5 – start ramping, then maintaining 68° at LWG tailwater

Days above 68 degrees at LWG tailwater:

- 0 days

September 1st elevation:

- 1540 feet





ALTERNATIVE 1 – RELEASE 10 KCFS BEGINNING JUNE 30TH



Releases Modeled:

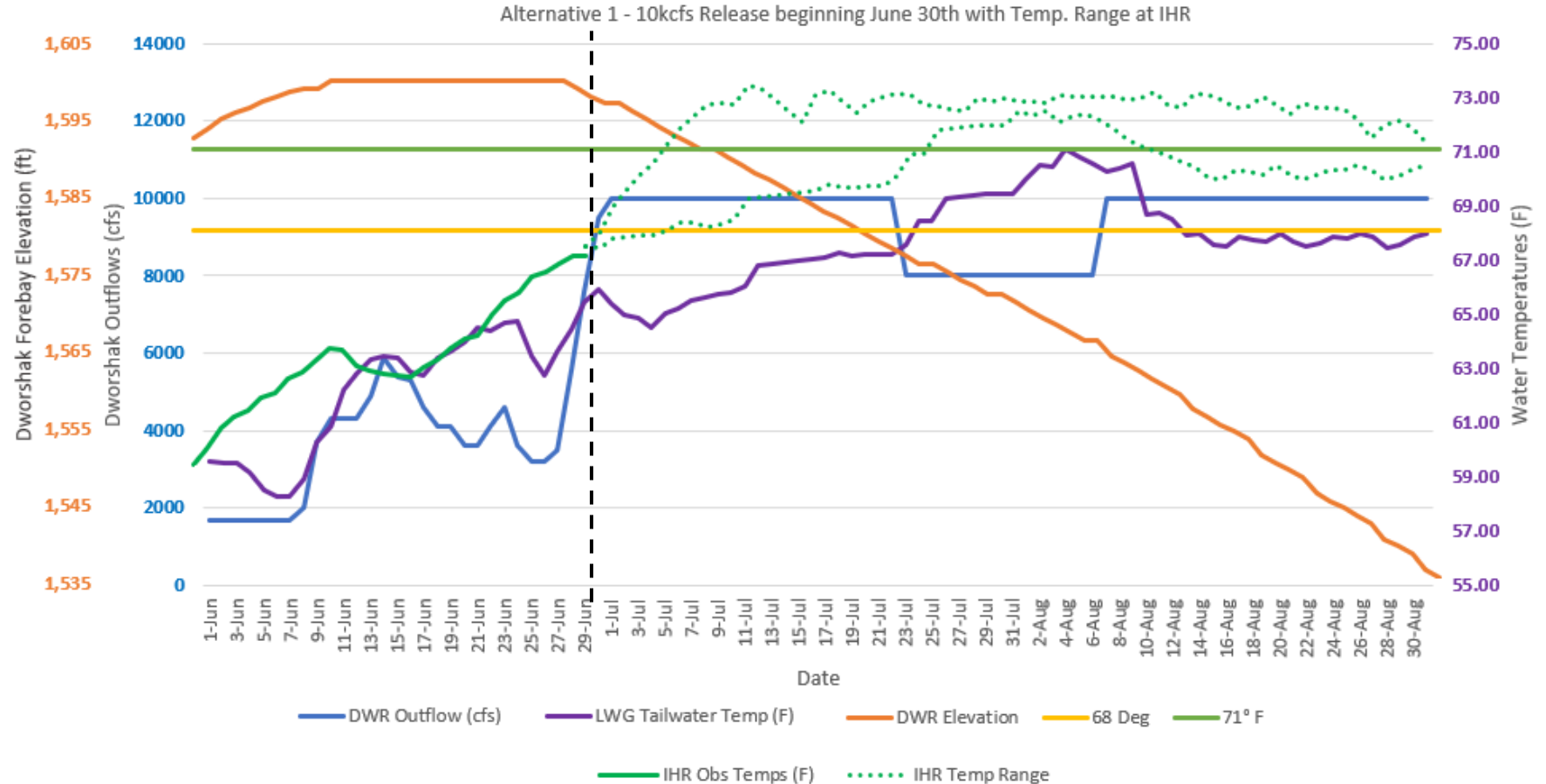
- June 28 – start ramping
- June 29 – July 22: 10kcfs
- * July 23 – August 6: 8kcfs
- * August 7 – 31: 10 kcfs

Days above 68 degrees at LWG tailwater:

- July 24 – August 12
- 20 days total

September 1st elevation:

- 1535 feet

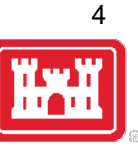


* Flows will be adjusted in real-time to maintain stratification within the LWG forebay to allow for decreased water temperature after August 14th.

Data observed through June 30th, RFC flows through July 9th, STP for the remainder of July. Analog year for August.
Dashed line denotes last date of observed data and beginning of modeled data.



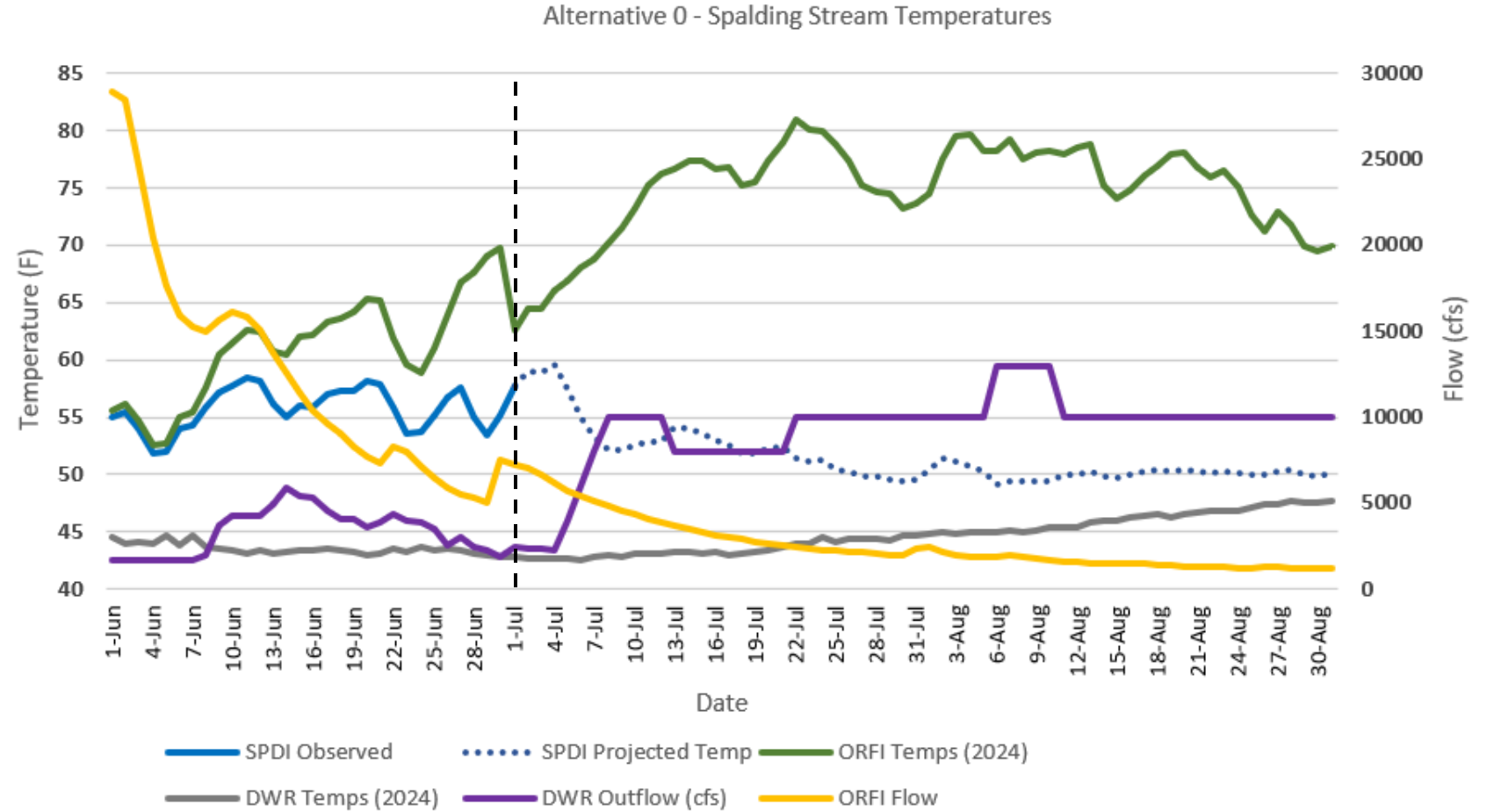
ALTERNATIVE 0 – SPAULDING STREAM TEMPERATURES



Releases Modeled are the same as on previous graphs of this analysis

Days above 60 degrees at Spalding:

- 0 days



Data observed through June 30th. Analog year 2024 utilized in analysis for July and August. Dashed line denotes last date of observed data and beginning of modeled data.



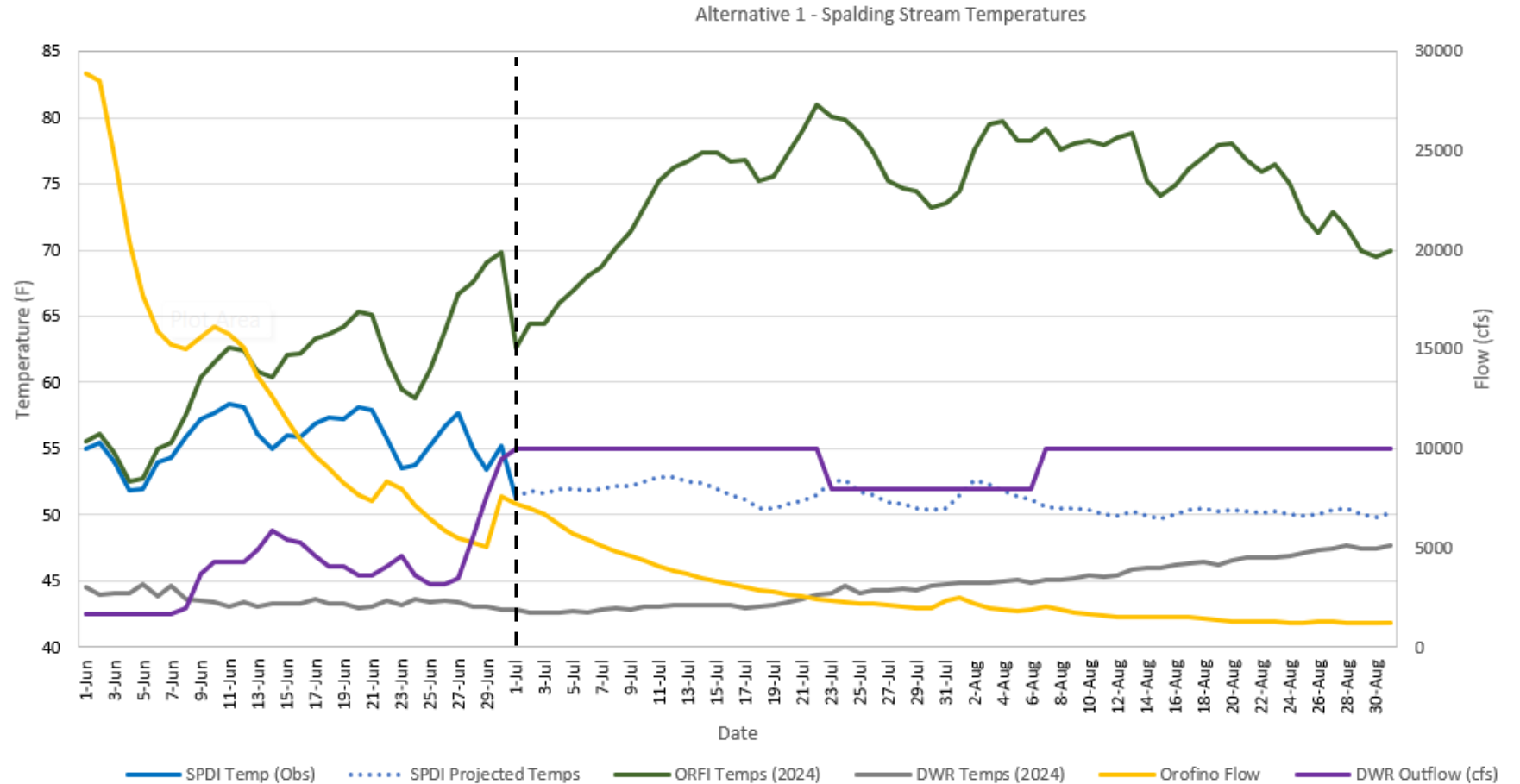
ALTERNATIVE 1 – SPAULDING STREAM TEMPERATURES



Releases Modeled are the same as on previous graphs of this analysis

Days above 60 degrees at Spalding:

- 0 days



Note: Spalding temperatures may have an increased risk of surpassing 61°F when Dworshak outflows are 5kcfs or less for the time period of July 1 – August 31.

Data observed through June 30th. Analog year 2024 utilized in analysis for July and August. Dashed line denotes last date of observed data and beginning of modeled data.