



DWORSHAK – REVIEW OF SOR-2025-02



In response to SOR-2025-02 (https://public.crohms.org/tmt/agendas/2025/0625_SOR_DWR_flow_for_Sockeye_2025.pdf), Dworshak began increasing outflows on June 26th to slow the increase of water temperatures in the tailwater of Ice Harbor. By comparison, if Dworshak was operated to 68°F at the Lower Granite tailwater it is likely ramping would have started later, on July 5th to reach full powerhouse by July 8th.

Basin Conditions from June 26th to July 5th (during SOR implementation):

- **Water temperatures from Anatone:** 65°F – 71°F (avg. 68.3°F)
- **Inflow to Lower Granite:** 34 kcfs – 40.6 kcfs (avg. 38.6 kcfs)
- **Water temperatures at Lower Granite tailwater:** 63°F – 66.4°F (avg. 65.3°F)
- **Daily High Air temperatures in the Lewiston area:** 79°F – 99°F (avg. 88.4°F)

Additional water used from DWR during SOR:

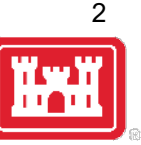
~ 120,000 AF (~6 feet of water)

A potential benefit of operating to SOR-2025-02 (see next graph):

- Ice Harbor: A delay in the rise of temperature in the tailwater
- Lower Granite: Maintained cooler temperature stratification of the forebay

Notes:

1. The information presented in this report is based on conditions and information that is known at the time of analysis. Graphs and analysis are intended for a relative understanding of impacts of DWR outflows and current conditions/forecasting on temperature.
2. All graphs are plotted with one day average values for both temperature and flow.

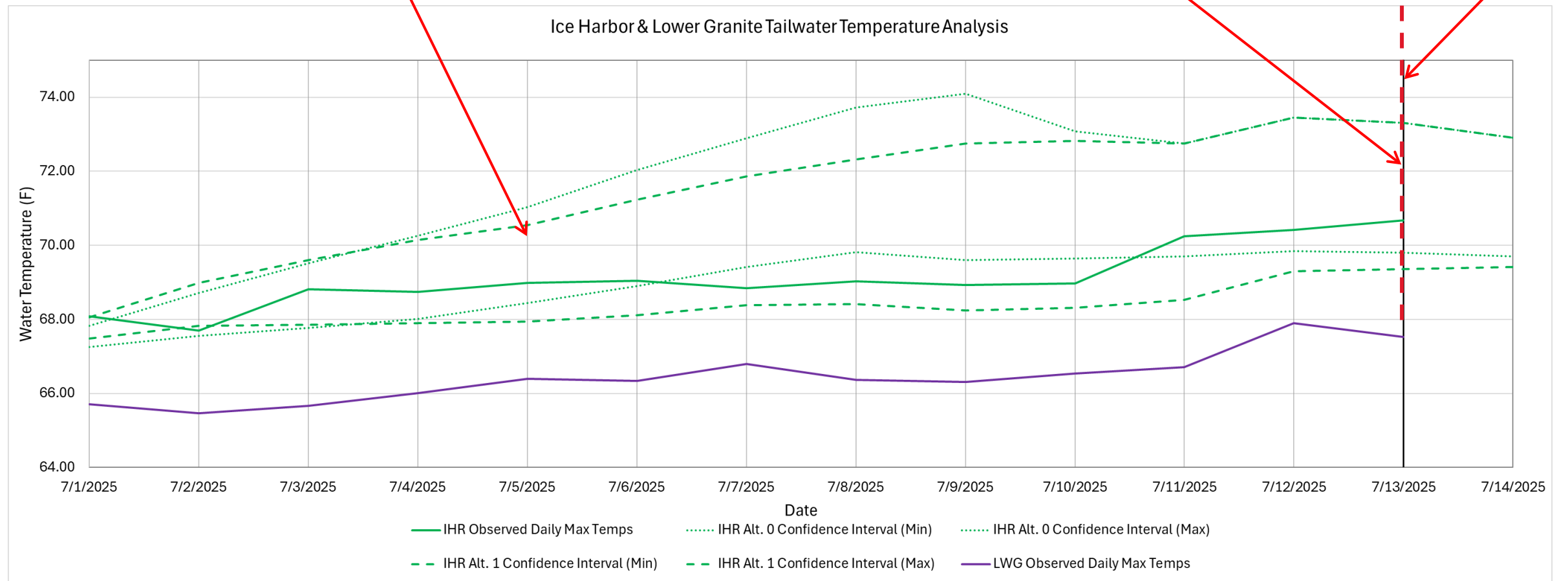


ICE HARBOR - OBSERVED AND ANALYZED TAILWATER TEMPERATURES

Water from DWR started influencing Ice Harbor tailwater from releases 9 days prior

With SOR concluding on July 2nd and releases from DWR being adjusted on July 3rd, impact from additional water sent to Ice Harbor will have diminishing impact on its tailwater temperature versus typical summer DWR operations

Date of last observed data





CURRENT TEMPERATURE AUGMENTATION ANALYSIS



Water Temperature Analysis Model from 07/04/2025 to 07/24/2025 Observed Data to 07/14/2025

Current water availability is sufficient to maintain the following conditions at the LWG tailwater:

- Today – July 23rd: 68F
- July 23rd – Aug 14th: 69.5F (w/ 2 days potentially getting to 71f)
- Aug – 15th – Sept. 1: 68F

Current projected DWR elevation on Sept. 1st:

- 1535ft

