



# 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](https://public.crohms.org/tmt/agendas/2025/0625_SOR_DWR_flow_for_Sockeye_2025.pdf)), Dworshak began increasing outflows on June 26<sup>th</sup> 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 5<sup>th</sup> to reach full powerhouse by July 8<sup>th</sup>.

Basin Conditions from June 26<sup>th</sup> to July 5<sup>th</sup> (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:

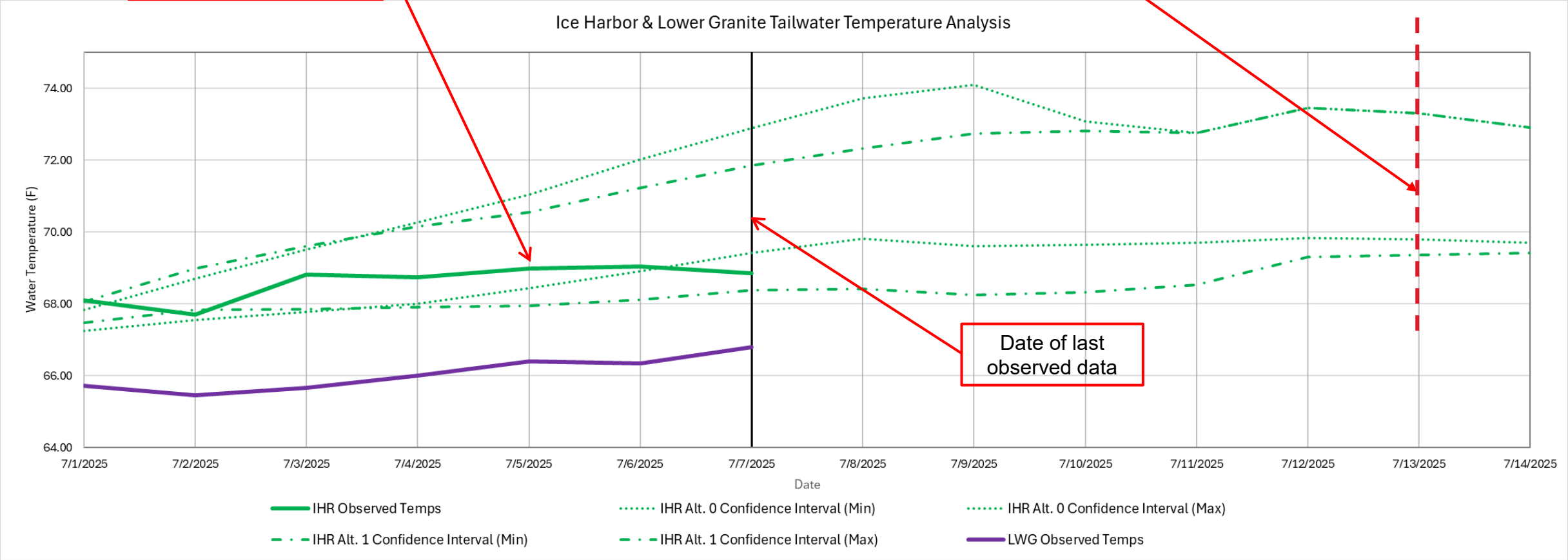
1. The information presented in this report is based on conditions and information that is known at the time of analysis. Graphs and analysis are intended for a relative understanding of impacts of DWR outflows and current conditions/forecasting on temperature.
2. All graphs are plotted with one day 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 2<sup>nd</sup> and releases from DWR being adjusted on July 3<sup>rd</sup>, impact from additional water sent to Ice Harbor will have diminishing impact on its tailwater temperature versus typical summer DWR operations





# CURRENT TEMPERATURE AUGMENTATION ANALYSIS



Water Temperature Comparisons  
Model from 06/28/2025 to 07/17/2025  
Observed Data to 07/07/2025

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

