## LIBBY DAM OPERATIONS SPRING/SUMMER 2025

Date: 19 May 2025

Leon Basdekas Greg Hoffman

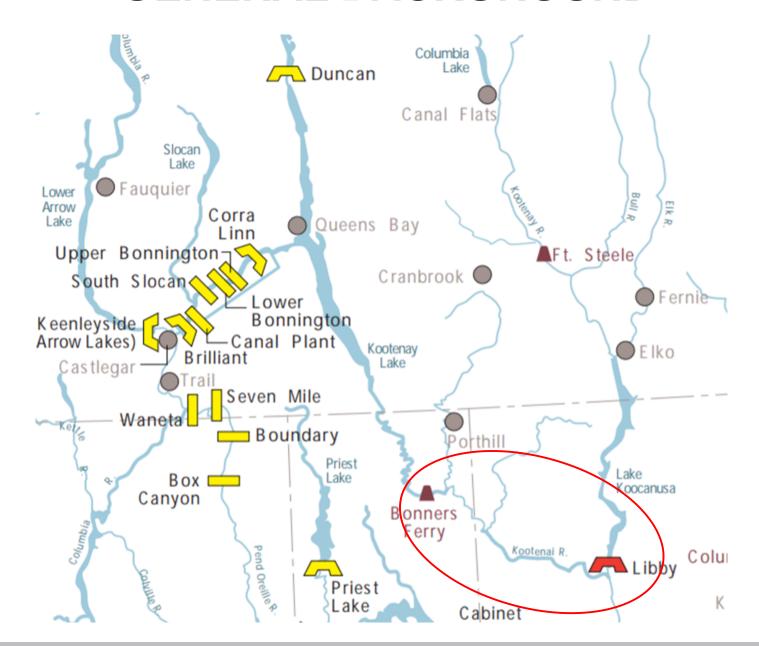




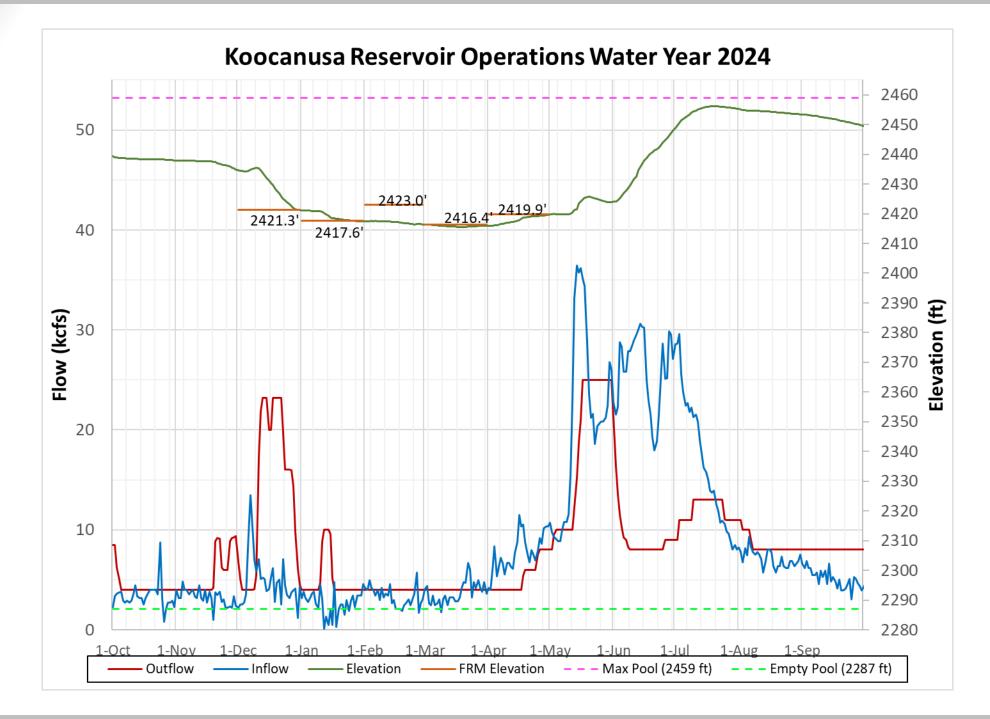


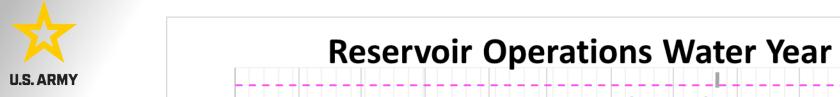
### **GENERAL BACKGROUND**



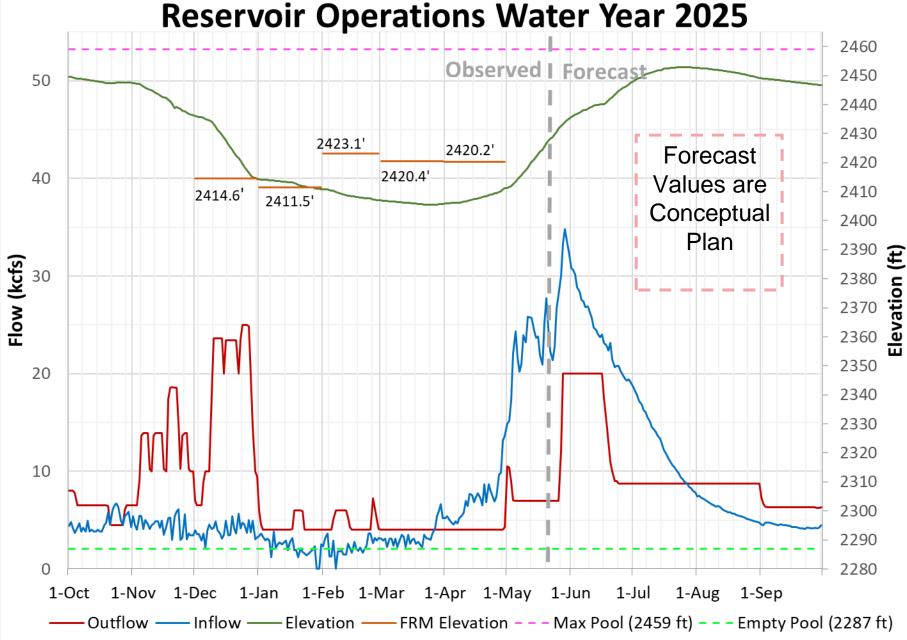










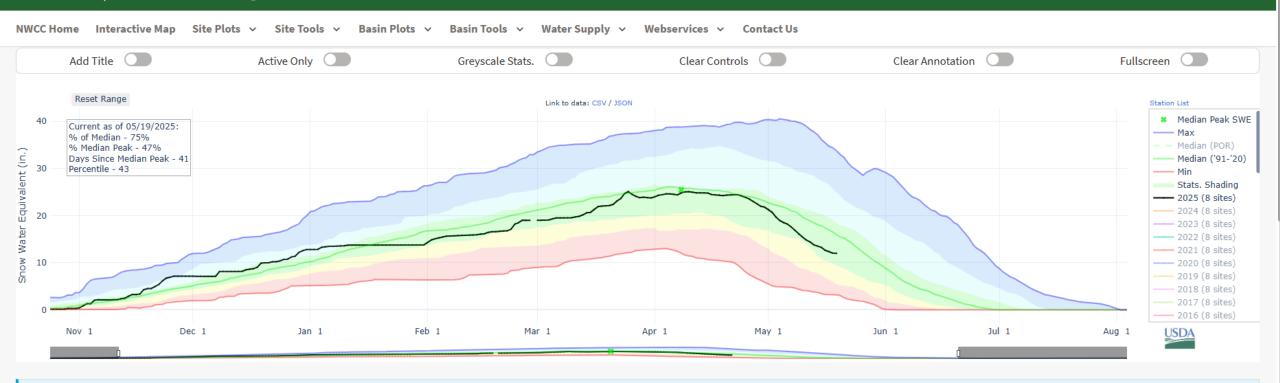




Natural Resources Conservation Service

**National Water and Climate Center** 

#### AWS Plot | SNOW WATER EQUIVALENT IN KOOTENAI



Statistical shading percentiles are calculated from period of record (POR) data, excluding the current water year. Percentile categories range from: minimum to 10th percentile, 10th - 30th, 30th - 70th, 70th - 90th, and 90th - maximum.

For more information visit: 30-Year Hydroclimatic Normals

Updated: Monday, May 19, 2025 01 PM CST

Dasill.

Predictive ability this early in the snow season is low for summer flows.



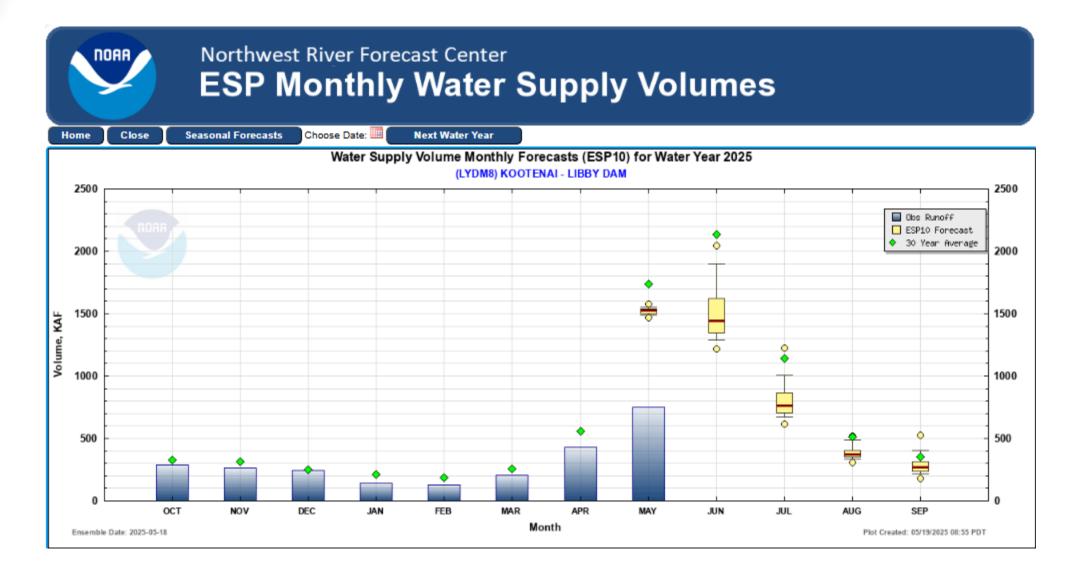
Lower Clark Fork

60%



### **OBSERVED AND FORECAST INFLOWS**







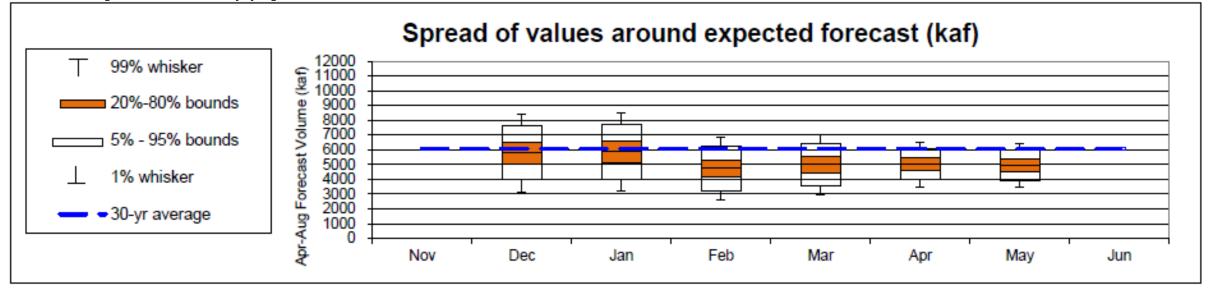
# MAY 1<sup>ST</sup> WATER SUPPLY FORECAST AND BIOP OBJECTIVES



- April-August inflow forecast for Libby Dam is
  4.94 million acre-feet (MAF)
  - Forecast is 81% of average
  - Sturgeon Volume is 0.8 MAF
  - Bull trout minimum flows following the Sturgeon
    Pulse through Aug 31 is 7 kcfs

 Libby flow augmentation draft to 12.3 ft from full (2446.7 ft) end of September

Libby Water Supply Forecast Trend:



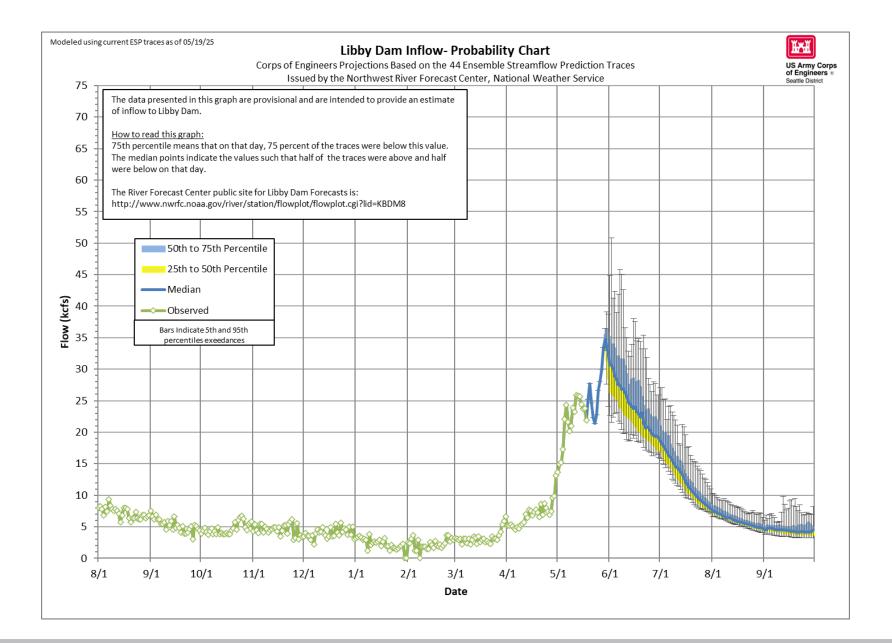
### REFILL AND FLOW PLAN OBJECTIVES



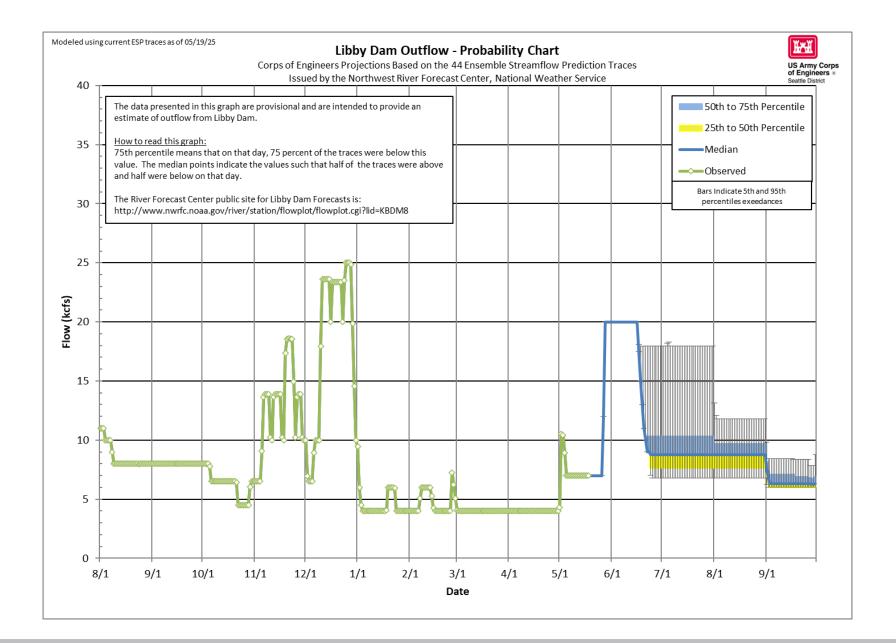
- Spring Refill Began on May 1st
- Meet Lake Koocanusa refill objective of 2454.0 ft; late July to early August.
- Meet end of September draft requirement of 2446.7 ft.
- Sturgeon augmentation anticipated to start on May 27th and ramp up discharges from Libby Dam to ~20 kcfs. Maintain ~20 kcfs pulse discharge for approximately ~18 days.
   Ramp down over twice the normal ramping time frame (more gradual recession). Then target a flat to descending summer flow.
- Will not reach Bonners Ferry stage at 1760'
- As with all our plans, we will adjust to real time conditions with more or less water than is currently forecast to best meet the above objectives.





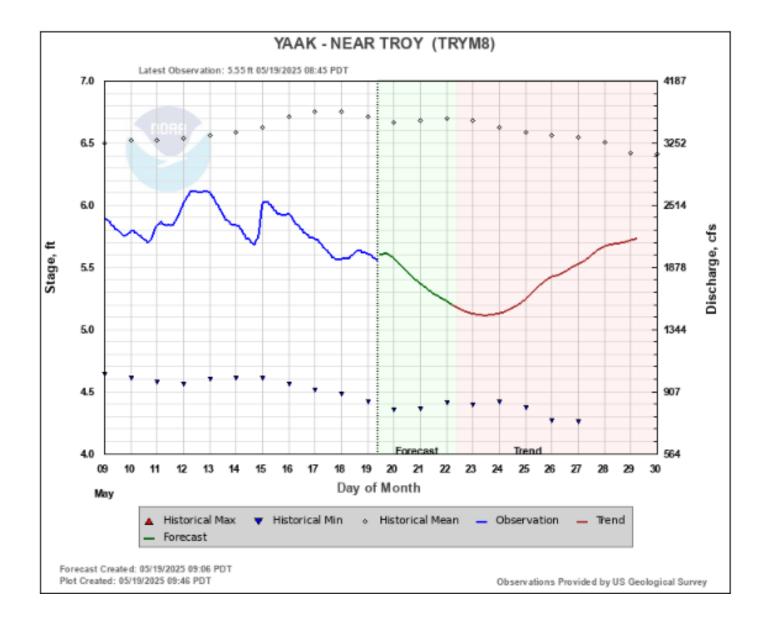






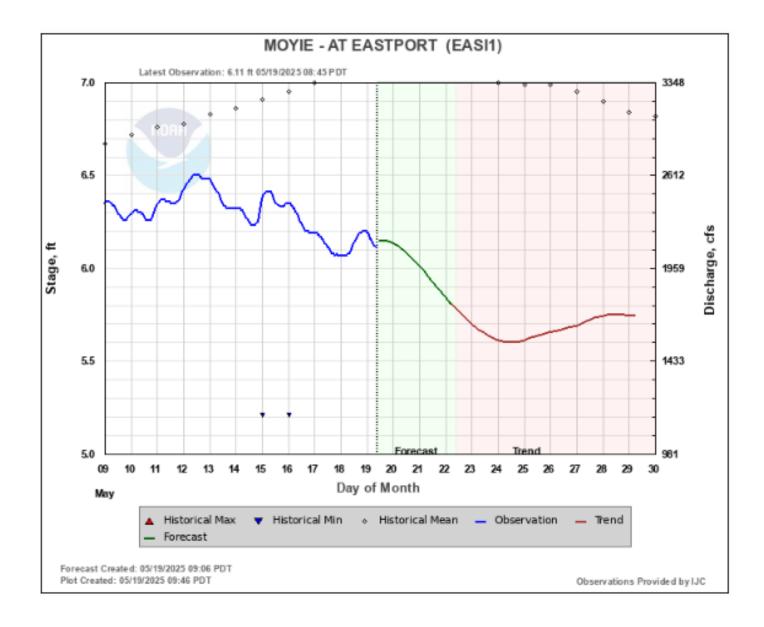




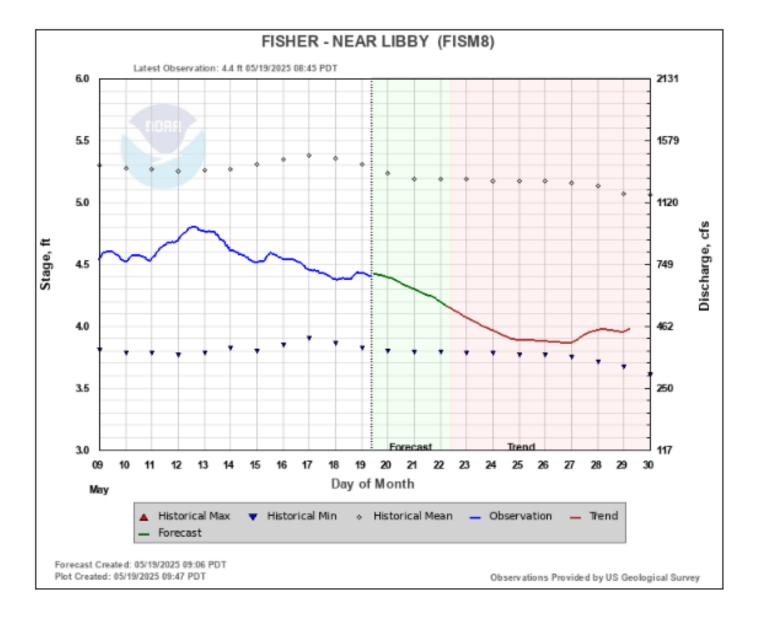






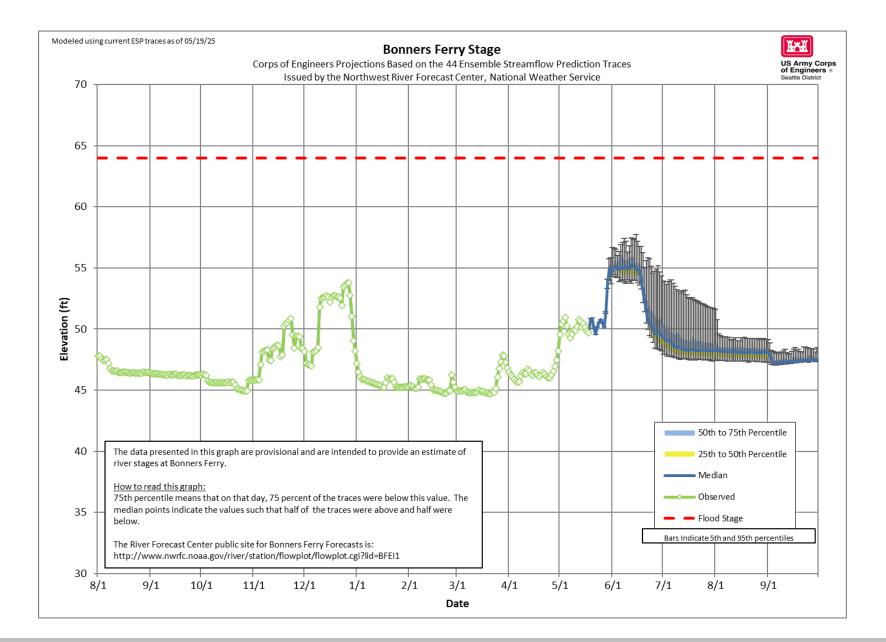






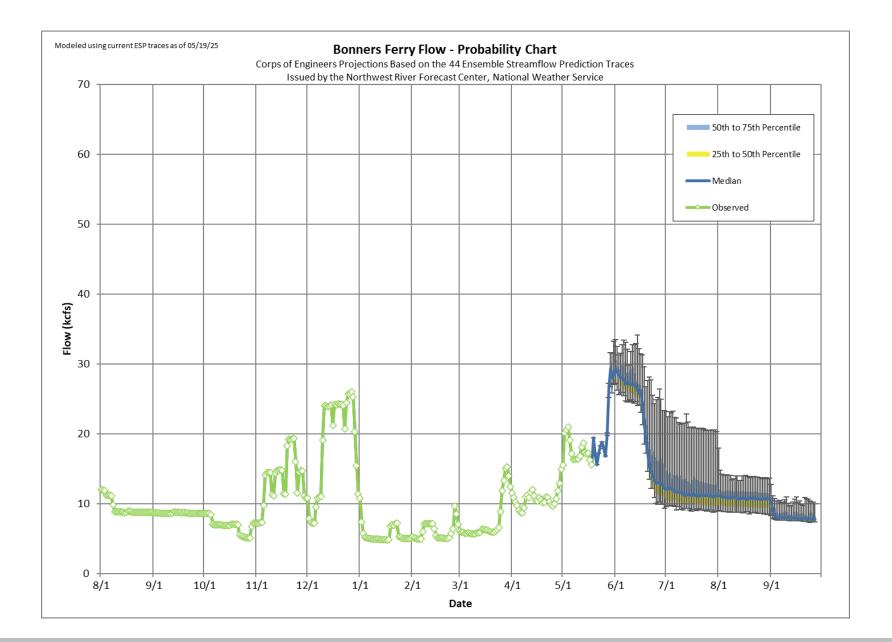






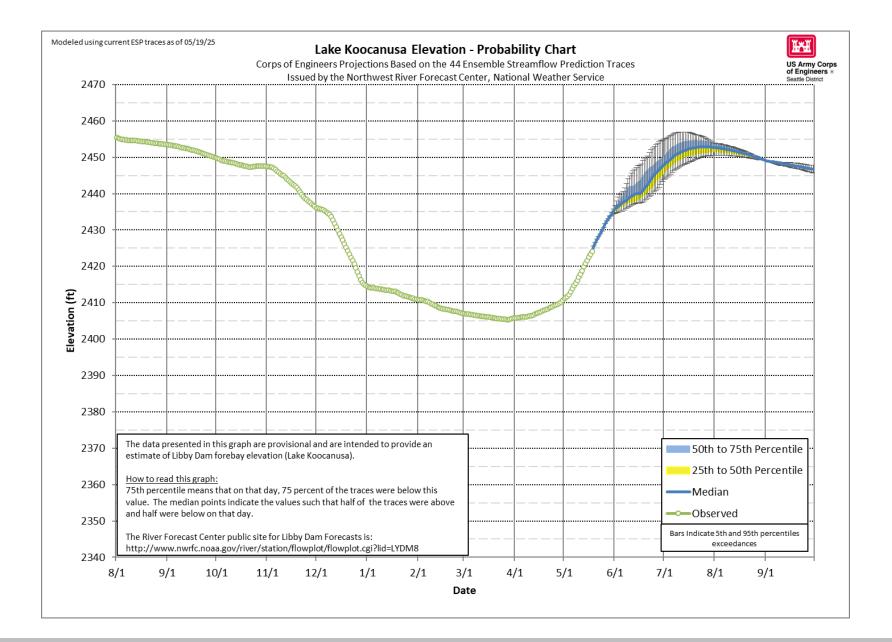












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### **QUESTIONS**



For emails regarding release changes and lake level updates email

- UpperColumbiaWM@usace.army.mil
- Leon.Basdekas@usace.army.mil

General Queries call 206-764-6702

Seattle District water management data website : http://www.nwd-wc.usace.army.mil/nws/hh/www/index.html#

