

LIBBY DAM SUMMER OPERATIONS UPDATE

July 31, 2019
TMT Meeting



"The views, opinions and findings contained in this report are those of the author(s) and should not be construed as an official Department of the Army position, policy or decision, unless so designated by other official documentation."

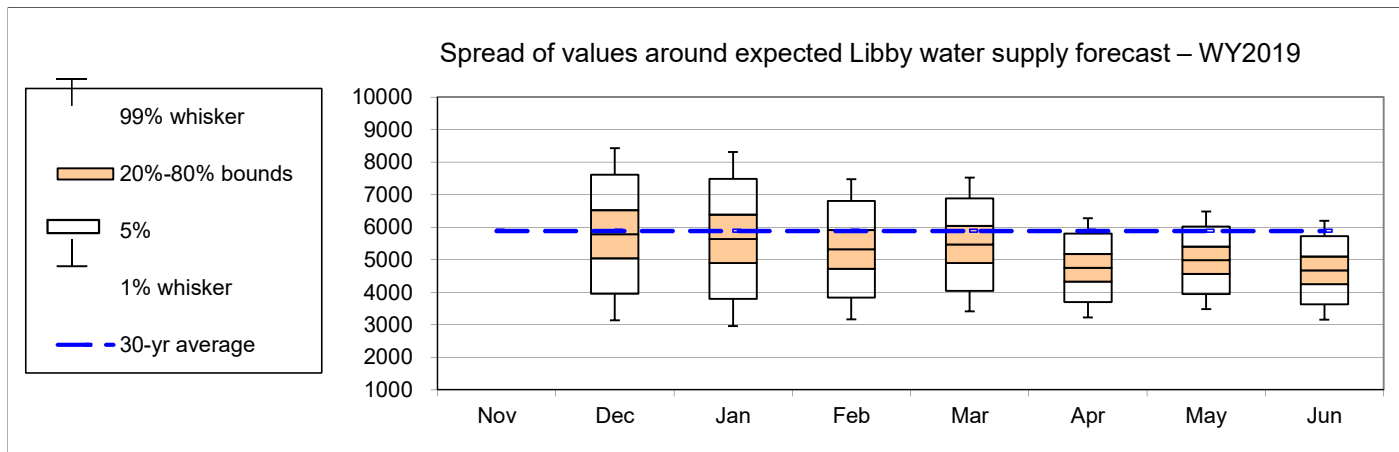


US Army Corps
of Engineers®



WATER SUPPLY FORECAST AND BIOP OBJECTIVES

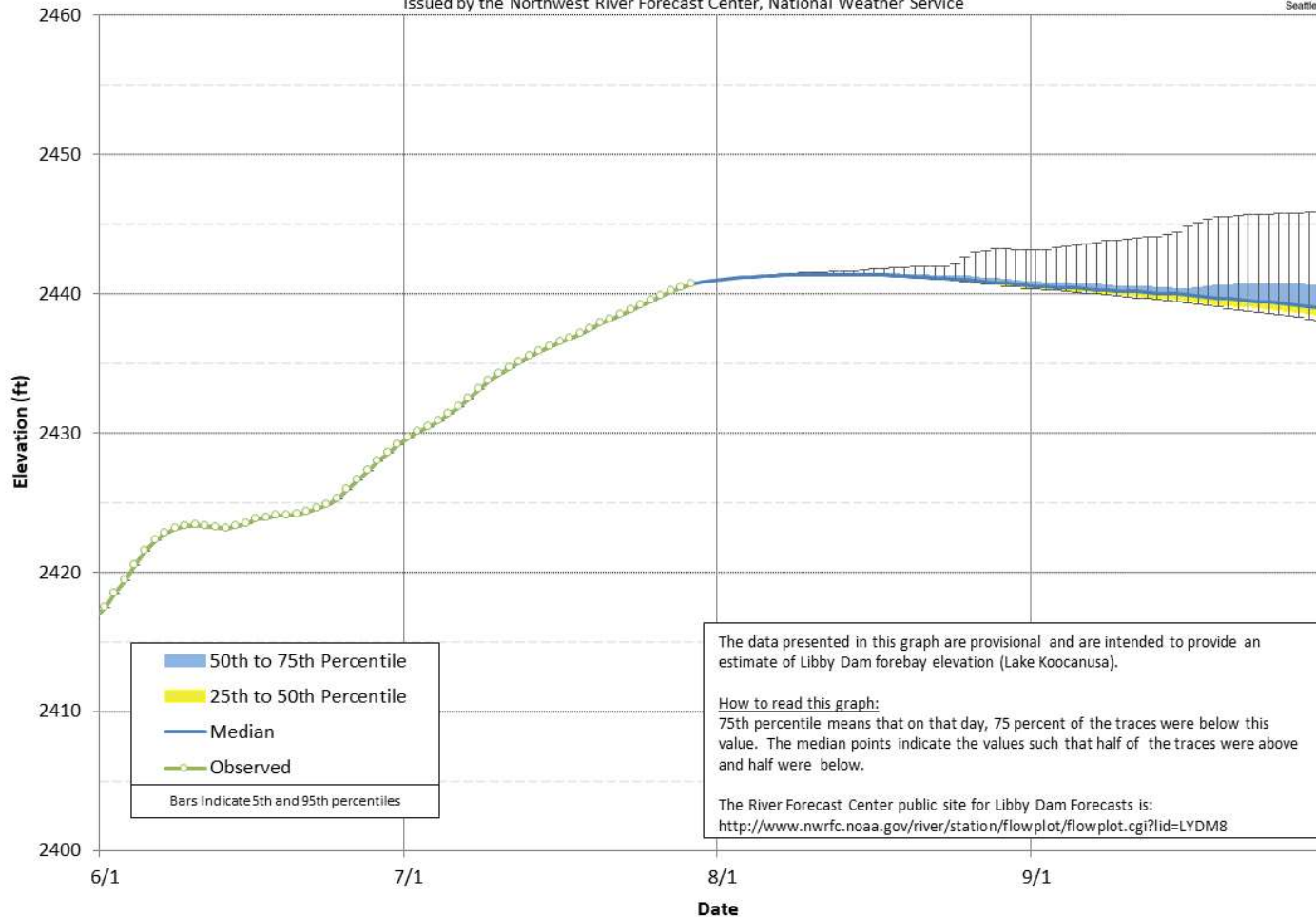
- May April-August volume forecast for Libby Dam was 4.98 million acre-feet (MAF)
 - Forecast is 85% of average
 - Sturgeon Volume is 0.8 MAF
 - Bull trout minimum flows following the Sturgeon Pulse through Aug 31 is 7 kcfs
- June April-August volume forecast for Libby Dam was 4.68 million acre-feet (MAF)
- Water supply forecast issued on 8 May for The Dalles is 82.4 MAF (94% of normal).
 - Libby flow augmentation draft to 10 ft from full (2449 ft) end of September
 - *No operational impact this year*



Modeled using current ESP traces as of 07/30/19

Lake Koocanusa Elevation - Probability Chart

Corps of Engineers Projections Based on the 70 Ensemble Streamflow Prediction Traces
Issued by the Northwest River Forecast Center, National Weather Service



The data presented in this graph are provisional and are intended to provide an estimate of Libby Dam forebay elevation (Lake Koocanusa).

How to read this graph:
75th percentile means that on that day, 75 percent of the traces were below this value. The median points indicate the values such that half of the traces were above and half were below.

The River Forecast Center public site for Libby Dam Forecasts is:
<http://www.nwrfc.noaa.gov/river/station/flowplot/flowplot.cgi?lid=LYDM8>

- Previously expected a peak elevation 2430 ft – 2435 ft
- Peak elevation expected 2441.5 ft – 2442 ft
- Starting around elevation 2441.5 ft, 7 kcfs is not a sustainable out-flow due to the rough zone
- Outflows will be maintained as close to 7 kcfs as possible while avoiding the rough zone



US Army Corps of Engineers®

