

LIBBY DAM STURGEON AND SUMMER OPERATIONS

June 27th, 2018

TMT Meeting



Aerial view of construction of the Kootenai River Habitat Restoration Program's Bonners Ferry Islands project, taken September 2015. Part of this project involves dredging three deep pools in the river, with dredged material used to help build the islands.

(Photo Courtesy Kootenai Tribe of Idaho)



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

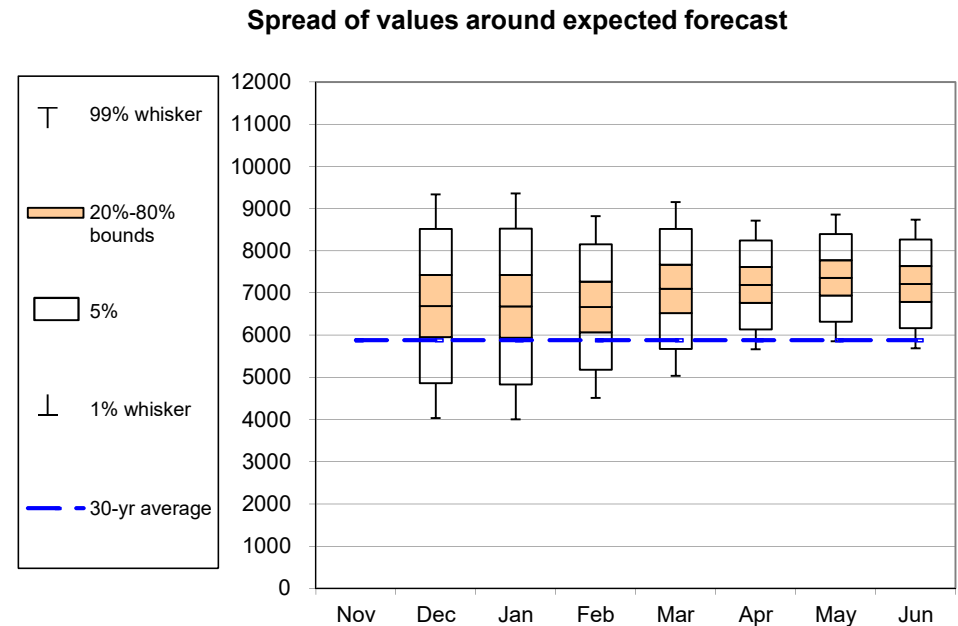


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MAY 1ST WATER SUPPLY FORECAST AND BIOP OBJECTIVES

- Libby Apr-Aug Inflow Forecast 7.4 MAF (125% of average)
 - Sturgeon Volume is 1.2 MAF
 - Bull trout minimum after the Sturgeon Pulse – Aug 31 is 9 kcfs
 - May VarQ Flow 9.2 kcfs
- The Dalles WSF 107 MAF
 - Draft to 10 ft from full (2449 ft) end of Sept



OPERATIONS TO SUPPORT KTOI REQUEST

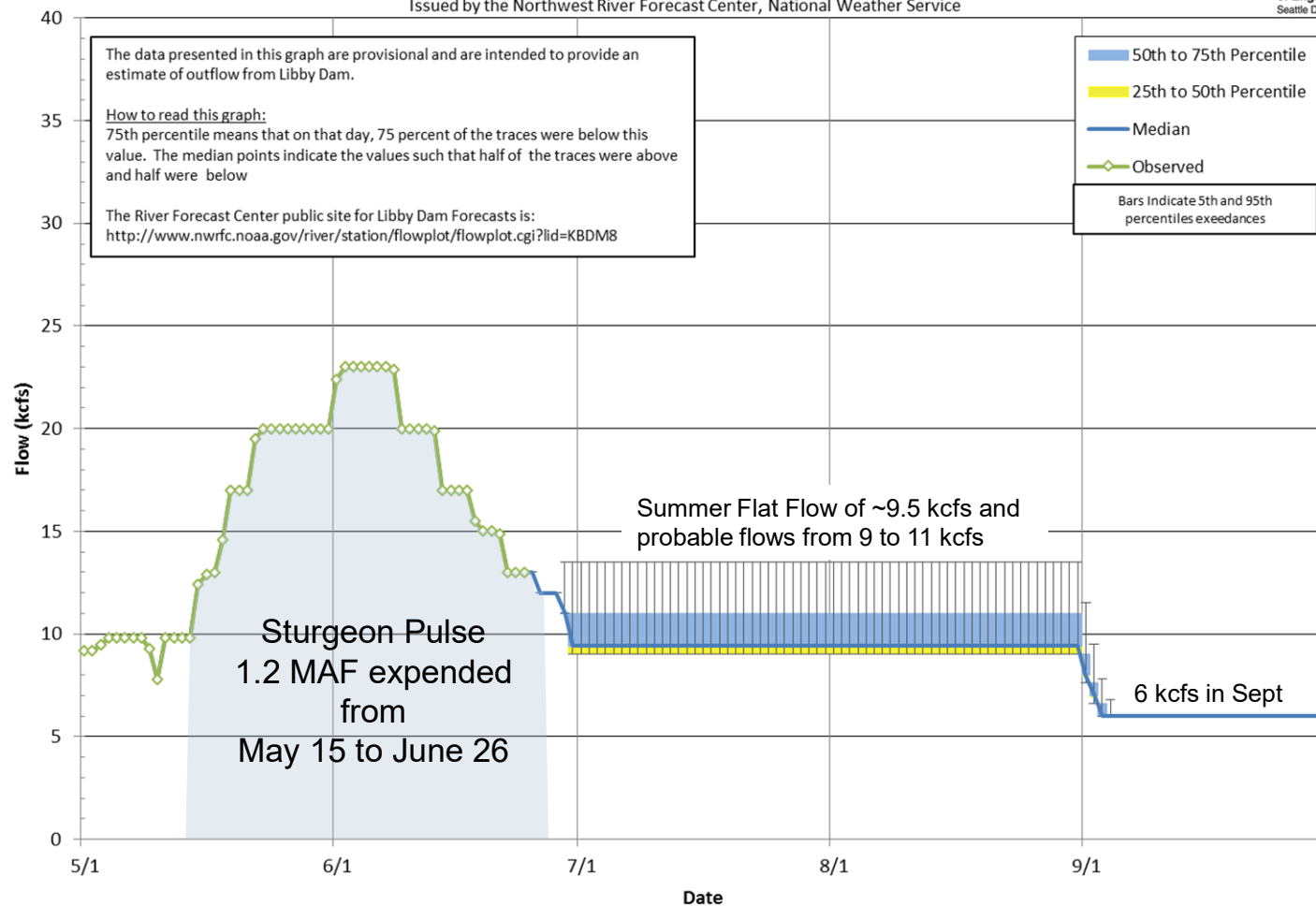
- Operate to 6 kcfs in Sept
- Target reservoir at 2449 ft end of August
 - Sept Ave inflow ~6 kcfs
 - Being at min flows (6 kcfs) could mean 30 Sept > 2449 ft
 - Minimize double peaks of 2 kcfs
- Look to refill Libby Dam late July to early August



Modeled using current ESP traces as of 06/25/18

Libby Dam Outflow - Probability Chart

Corps of Engineers Projections Based on the 69 Ensemble Streamflow Prediction Traces
Issued by the Northwest River Forecast Center, National Weather Service



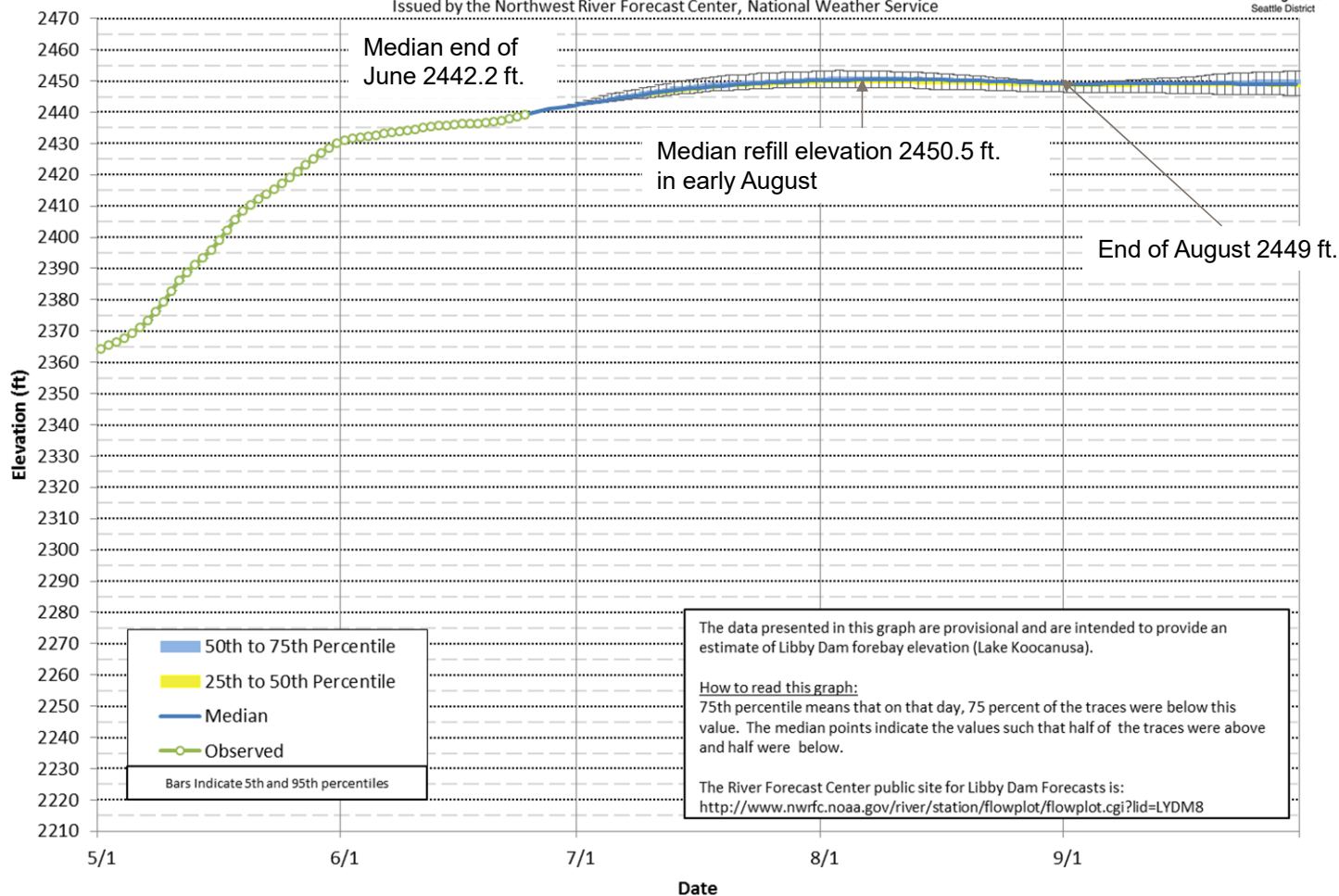
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Lake Koocanusa Elevation - Probability Chart

Corps of Engineers Projections Based on the 69 Ensemble Streamflow Prediction Traces
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QUESTIONS?



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