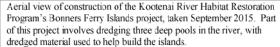
LIBBY DAM STURGEON AND SUMMER OPERATIONS

May 9th, 2018 TMT Meeting





(Photo Courtesy Kootenai Tribe of Idaho)

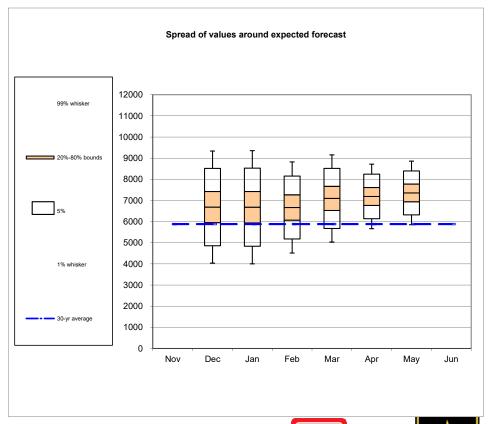
"The views, opinions and findings contained in this report are those of the authors(s) and should not be construed as an official Department of the Army position, policy or decision, unless so designated by other official documentation."





MAY 1ST WATER SUPPLY FORECAST AND BIOP OBJECTIVES

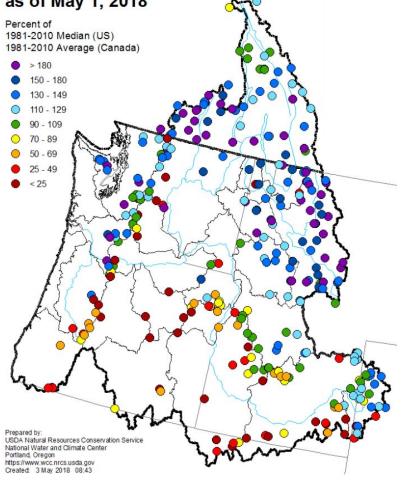
- The April-August inflow forecast for Libby Dam is 7.36 million acre-feet (MAF) (125% of average).
 - Sturgeon Volume is 1.2 MAF.
 - Bull trout minimum flows after the Sturgeon
 Pulse through Aug 31 is 9 kcfs.
 - Current VarQ Flow 9,200 cfs, including storage adjustment to release residual storage.
- Water supply forecast issued on May 3 for The Dalles is 106.8 MAF (122% of normal).
 - Libby flow augmentation draft to 10 ft from full (2449 ft) end of September.







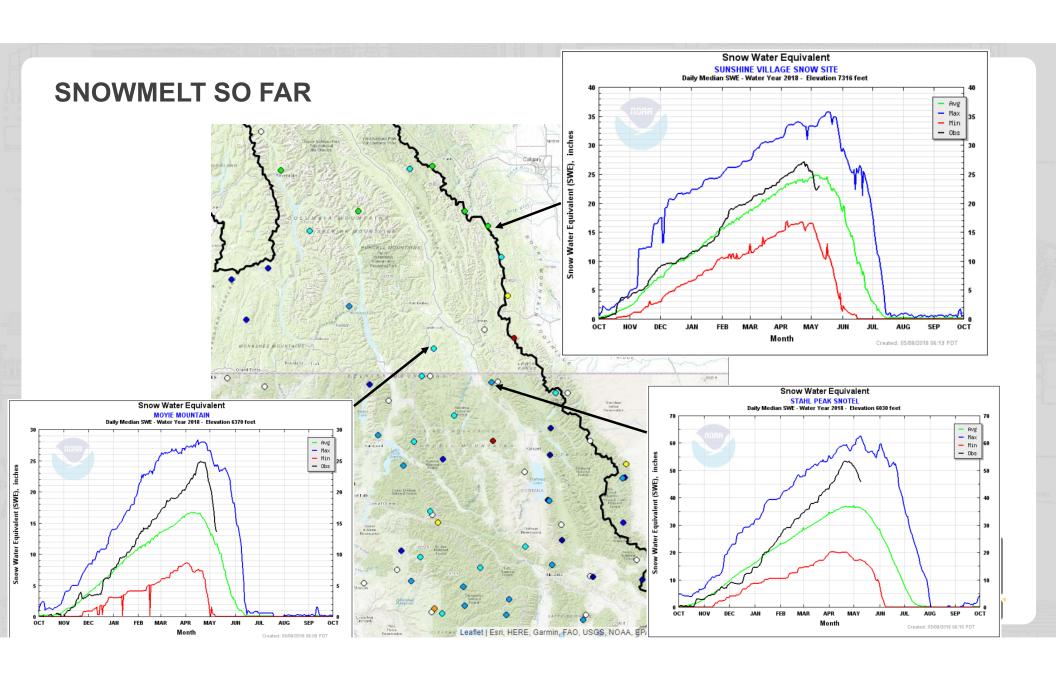
Columbia River and Pacific Coastal Basins Mountain Snowpack as of May 1, 2018

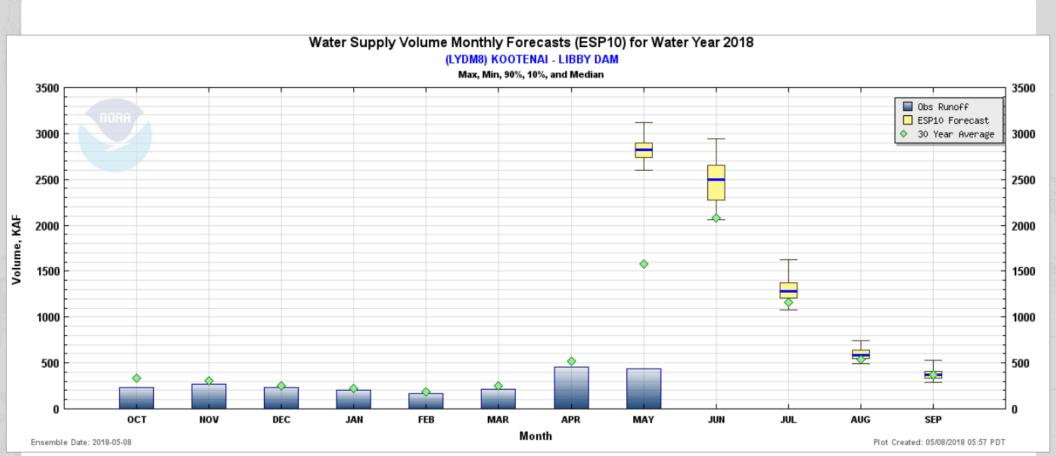


Kootenai Basin at 147% of average SWE May 1st













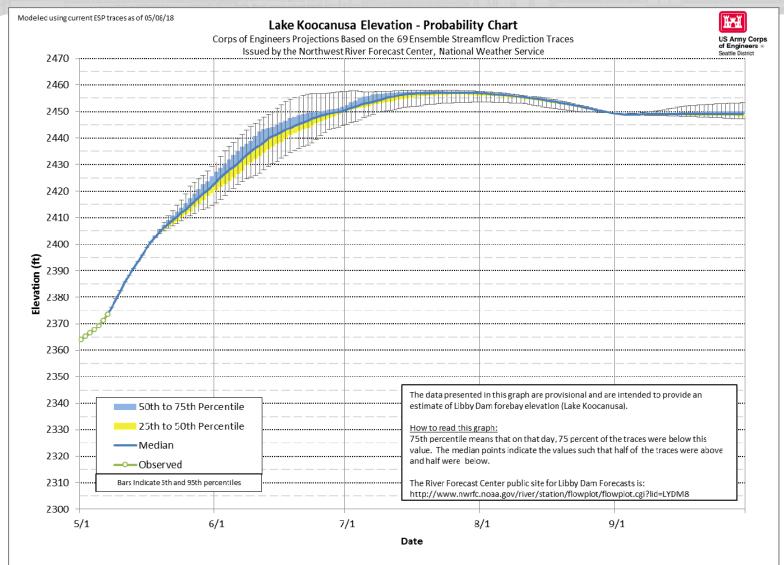
OPERATIONS TO SUPPORT KTOI REQUEST

- Operate to 6 kcfs in Sept
- Need reservoir to 2449 ft end of August
 - Sept Ave inflow ~6 kcfs
- Look to refill Libby Dam late July to Early August









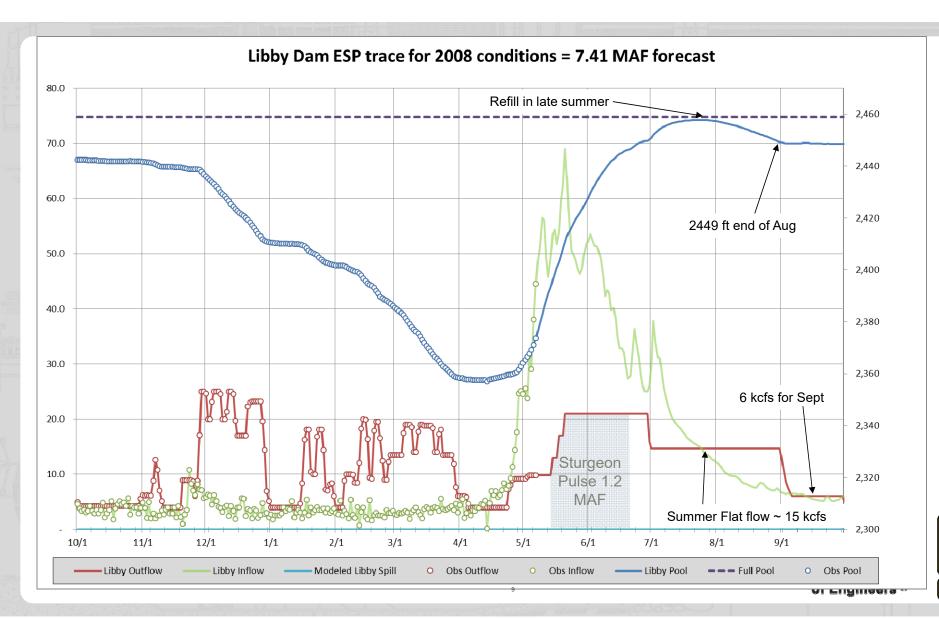




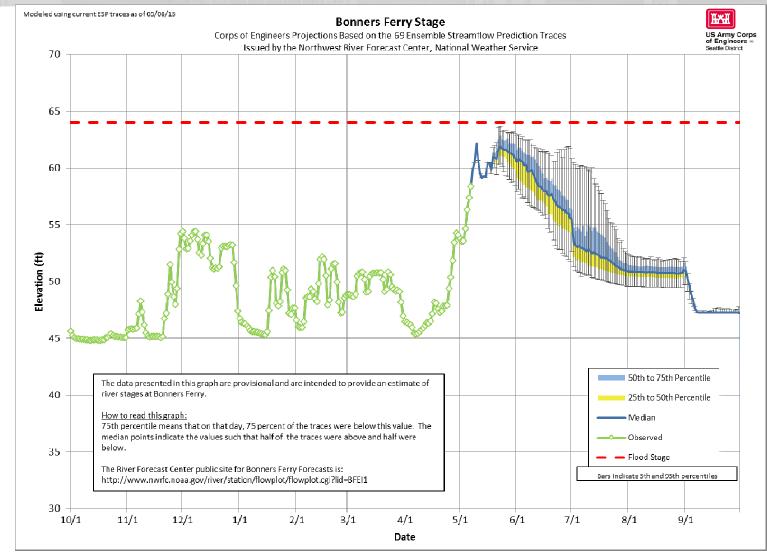
STURGEON PULSE OPERATION















QUESTIONS?



