LIBBY DAM STURGEON AND SUMMER OPERATIONS

June 21st, 2017 **TMT** Meeting



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)

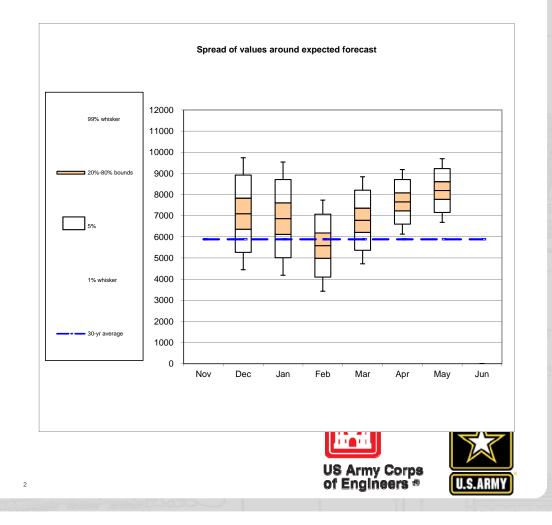




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MAY 1ST WATER SUPPLY FORECAST AND BIOP OBJECTIVES

- Libby Apr-Aug Inflow Forecast 8.2 MAF (140% of average0
 - o Sturgeon Volume is 1.2 MAF
 - Bull trout minimum after the Sturgeon Pulse – Aug 31 is 9 kcfs
 - o Current VarQ Flow 15.9 kcfs
- The Dalles WSF 110 MAF
 - Draft to 10 ft from full (2449 ft) end of Sept



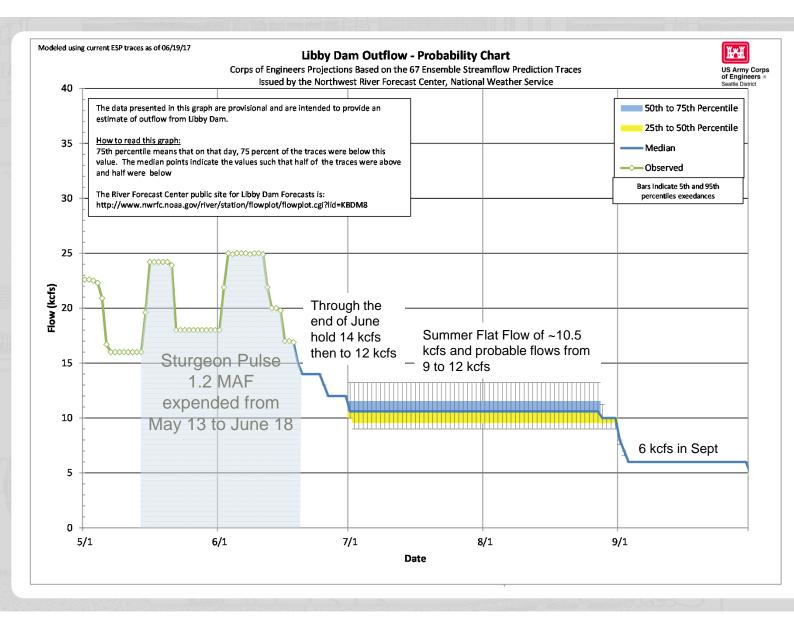
OPERATIONS TO SUPPORT KTOI REQUEST

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





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	Corps of Engineer	s Projections Based on t	ation - Probability Chart he 67 Ensemble Streamflow Predicti ecast Center, National Weather Serv	of Engine
2470 2460 2450	Median end of June 2438.3 feet			
2440				
2430			Median refill elevation 24	AE1 7 foot
2420			beginning of August	+31.7 leet
2410				
2400				
2390				End of August 244
2380				
2370	10000000000000000000000000000000000000			
2360 -2000				
2350				
2340				
2350 2340 2330				
2320				
2310				
2300				
2290				
2280			The data presented in this graph	are provisional and are intended to provide an
2270	50th to 75th Percentile		estimate of Libby Dam forebay el	
2260	25th to 50th Percentile		How to read this graph:	-
2250	Median		75th percentile means that on th	at day, 75 percent of the traces were below this te the values such that half of the traces were above
2240	Observed		and half were below.	e the values such that half of the traces were above
2230	Bars Indicate 5th and 95th percentiles		The River Forecast Center public	site for Libby Dam Forecasts is:
2220				/station/flowplot/flowplot.cgi?lid=LYDM8
2210	<u> </u>			
5/1	6/1	7/1	8/1 Date	9/1
			Dute	





QUESTIONS?



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