

LIBBY DAM END OF SEPTEMBER OPERATION 2021 - UPDATE

15 September 2021
TMT Meeting

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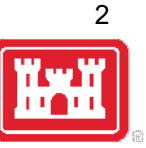


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UPDATED END OF SEPTEMBER OPERATION – JUN/JUL RECAP



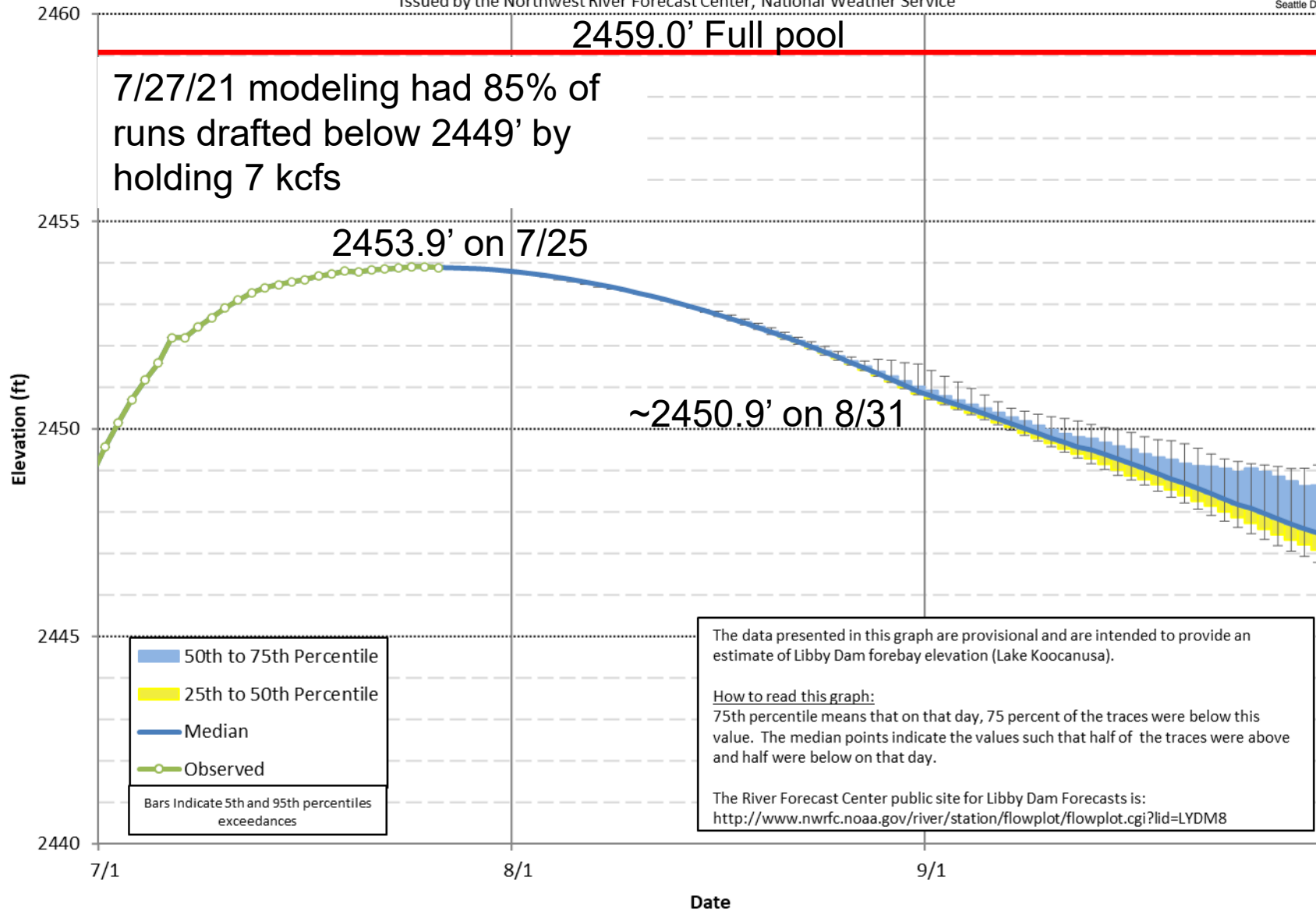
- May WSF of 5,191 kaf (34th percentile WY1981-2010), set the end of September target to 2,449'
- June 4th releases went to 9 kcfs following end of Sturgeon augmentation flow operations
- Apr-Jun inflows tracked low (29th percentile WY1981-2010)
- July inflows were very low (8th percentile WY1981-2010)
- Between 16 July to 23 July, due to low inflow, releases decreased from 9 kcfs to 7 kcfs (bull trout minimum) to target end of September elevation of 2,449'
- Reservoir reached peak elevation on 25 July at 2453.9' (5.1' feet from full)
- July 27th ESPs median WSF value 4,749 kaf (4,743-4,859 kaf)
- 85% of runs projected to draft below 2449' by holding 7 kcfs release



Modeled using current ESP traces
as of 07/27/21

Lake Koocanusa Elevation - Probability Chart

Corps of Engineers Projections Based on the 40 Ensemble Streamflow Prediction Traces
Issued by the Northwest River Forecast Center, National Weather Service





UPDATED END OF SEPTEMBER OPERATION – SEPTEMBER



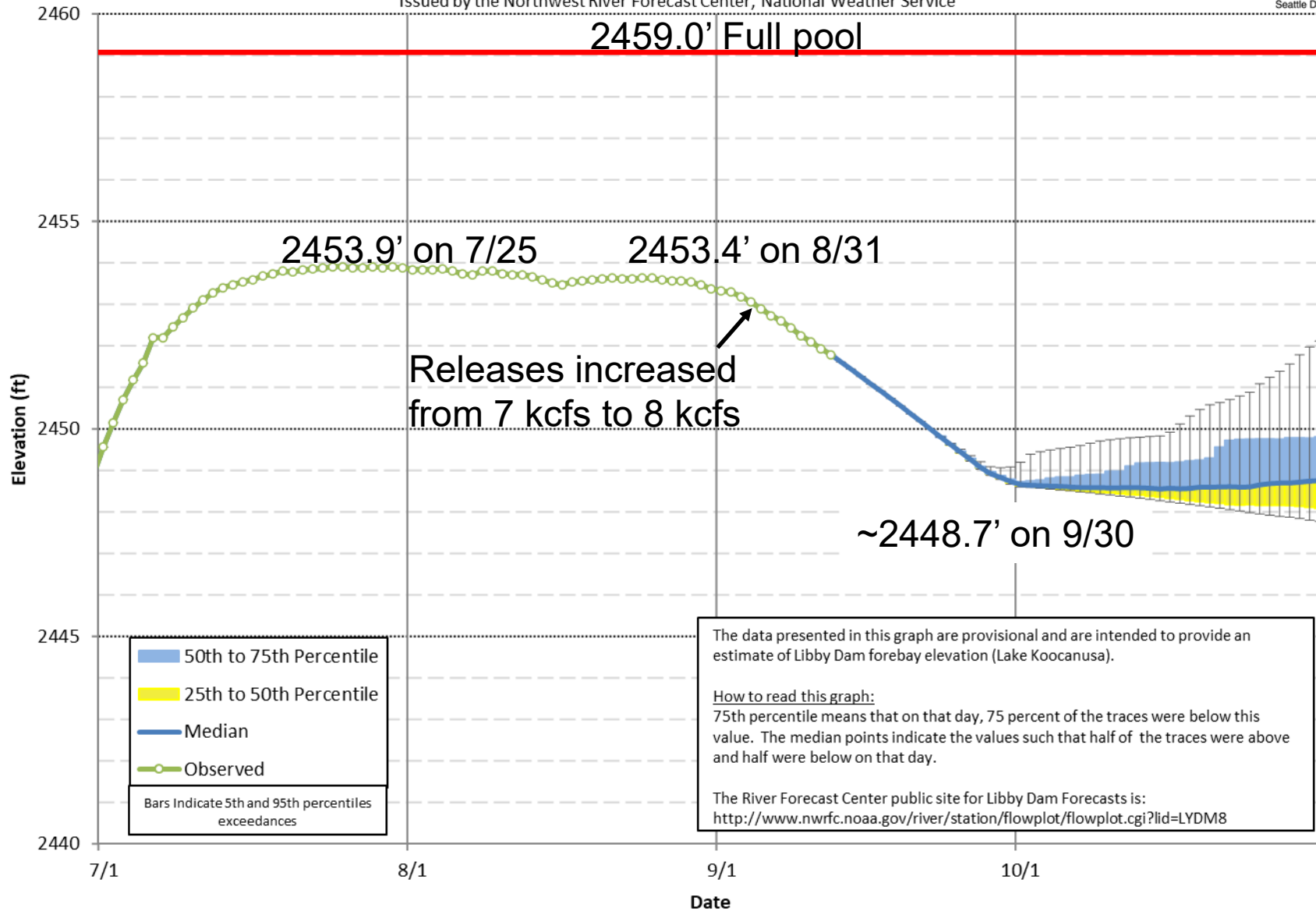
- August had several rain events in the basin that increased flows above forecast
- Observed April to August Volume 4,864 kaf
- September 4th releases increased from 7 kcfs to 8 kcfs to target end of September elevation of 2,449'
- Releases will remain at 8 kcfs until we approach 2,449', then will ramp down to 4 kcfs to help with habitat restoration work near Bonners Ferry
- As of September 13th, 95% of forecasts show drafting to 2,449' by the end of September, but weather and forecasts can change!
- Releases will not be increased to hit 2,449' by the end of September



Modeled using current ESP traces
as of 09/13/21

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50th to 75th Percentile
25th to 50th Percentile
Median
Observed
Bars Indicate 5th and 95th percentiles exceedances

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



QUESTIONS?