



— BUREAU OF —
RECLAMATION

Snake River Water Management Public Information Meeting

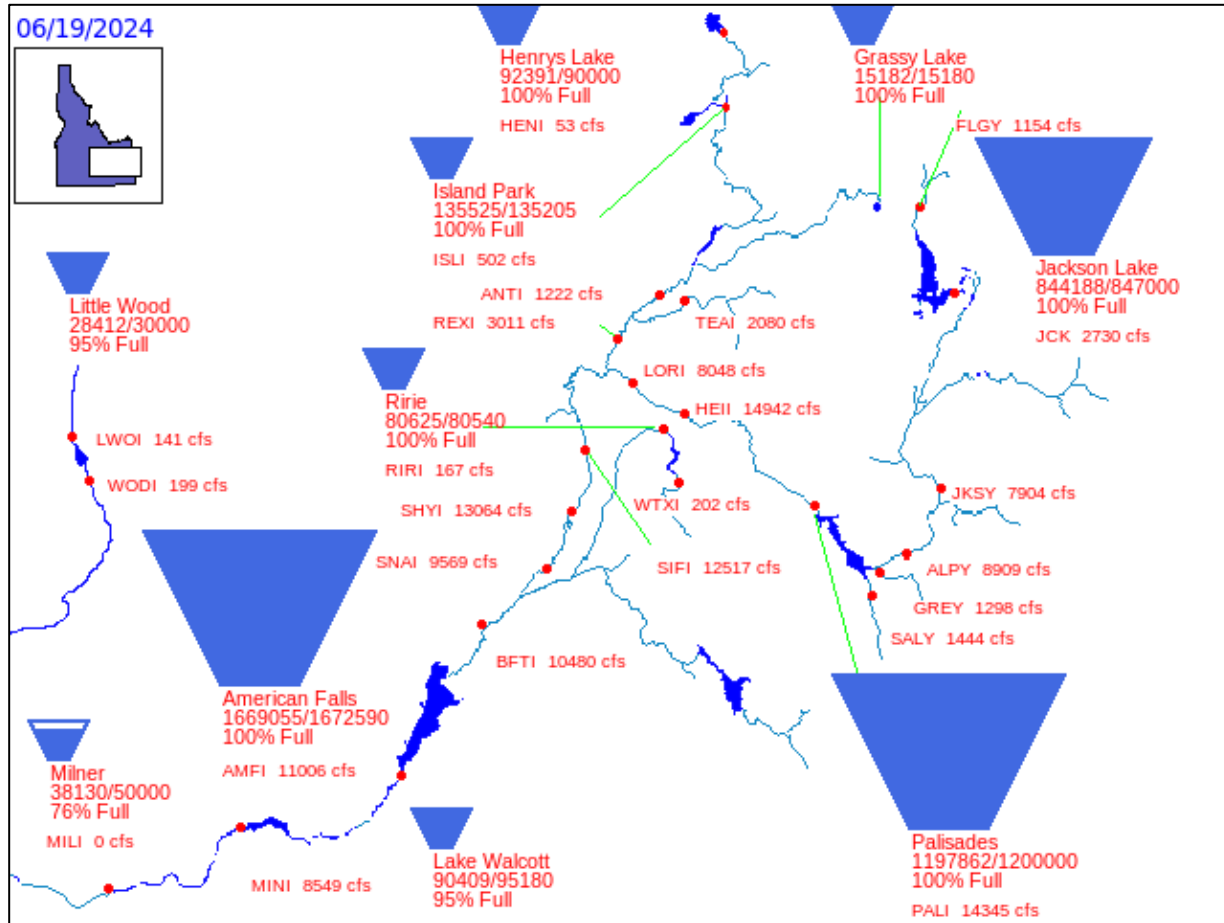
Water Operations and Fall Ramp Down Update



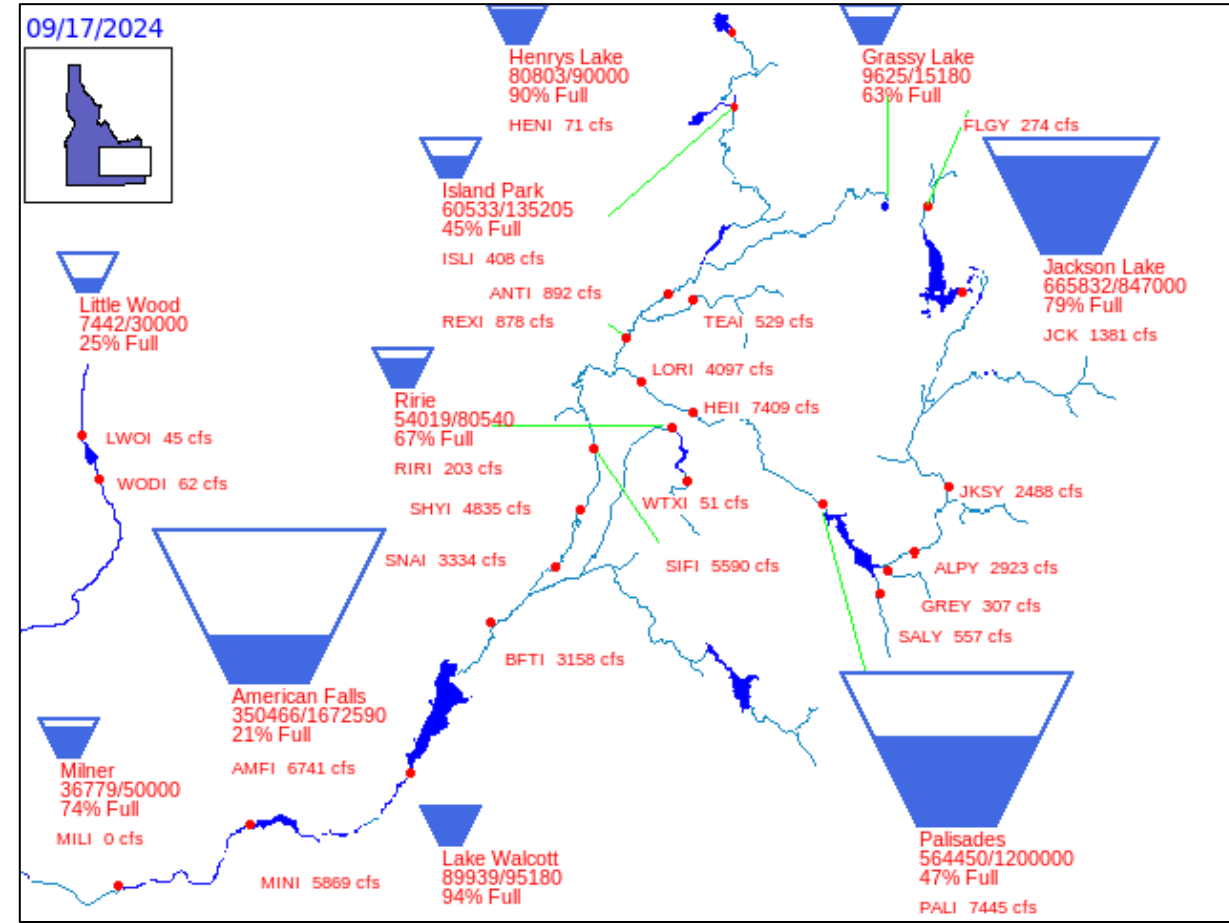
September 18, 2024

Brian Stevens

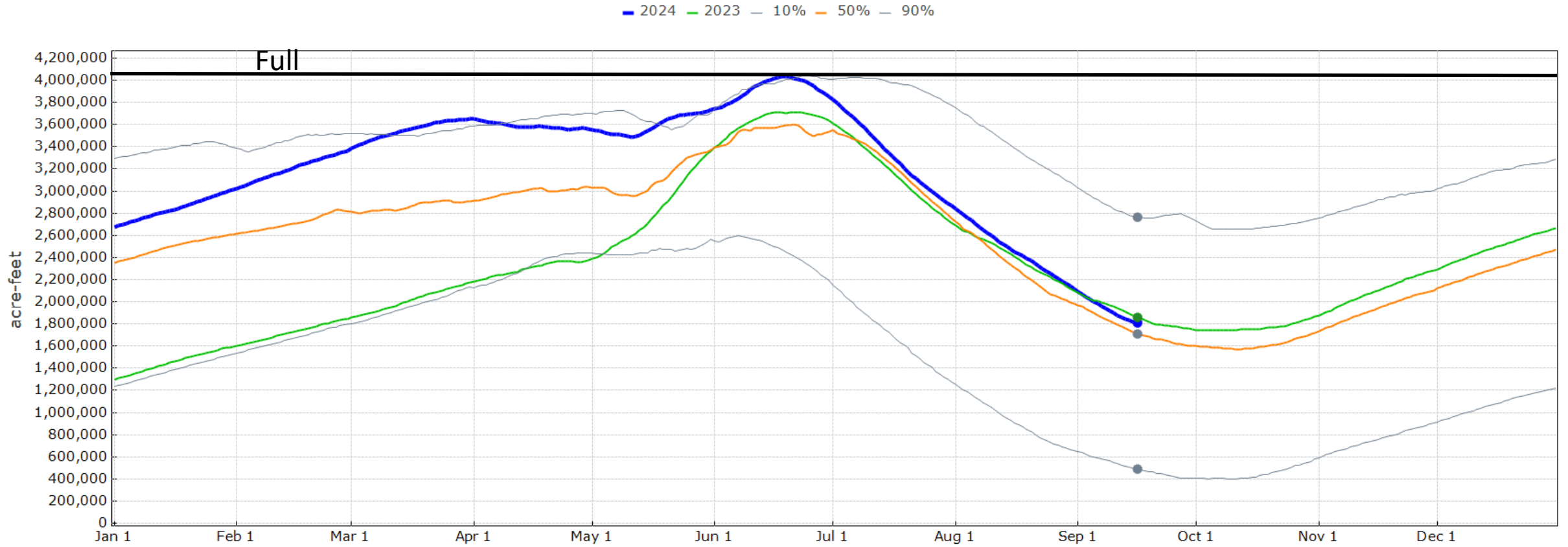
Where we've been – System 99.7% Full



Where we're at currently – System 44% Full



Upper Snake System Storage

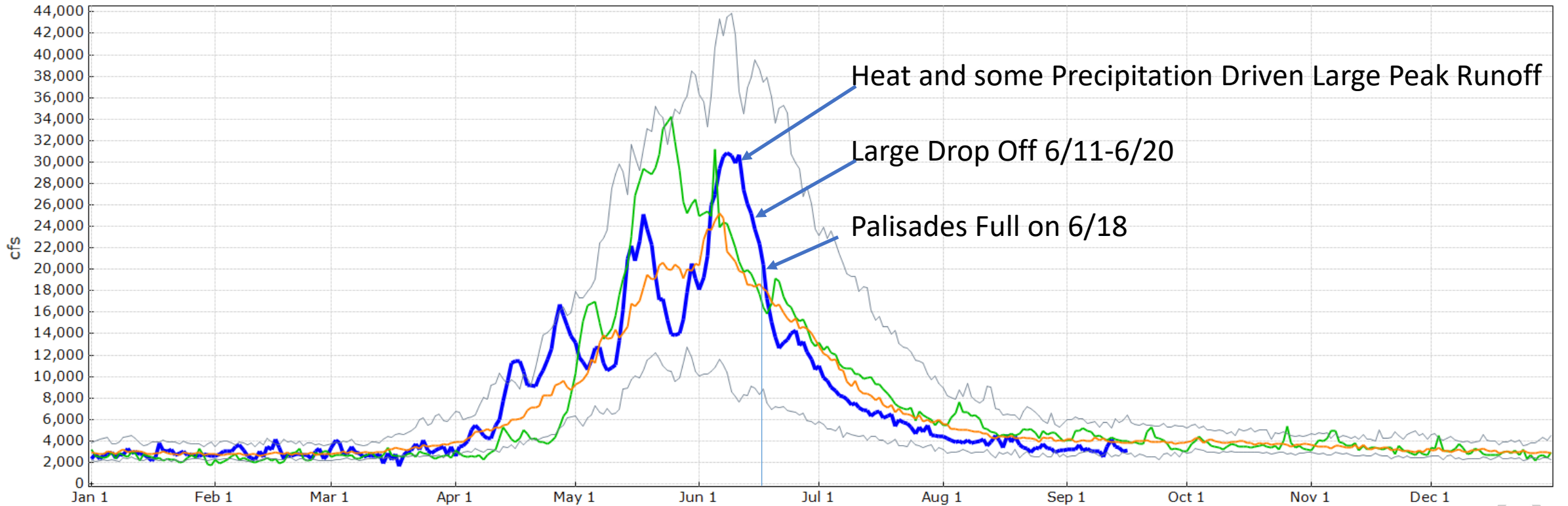


- *Peak Storage 6/19/24, 99.7% Full, 13 KAF below full**
- *All storage accounts received a full fill**
- *Palisades peak outflow 6/13 at 20,000 cfs**
- *Currently 55 KAF Lower than Last Year**

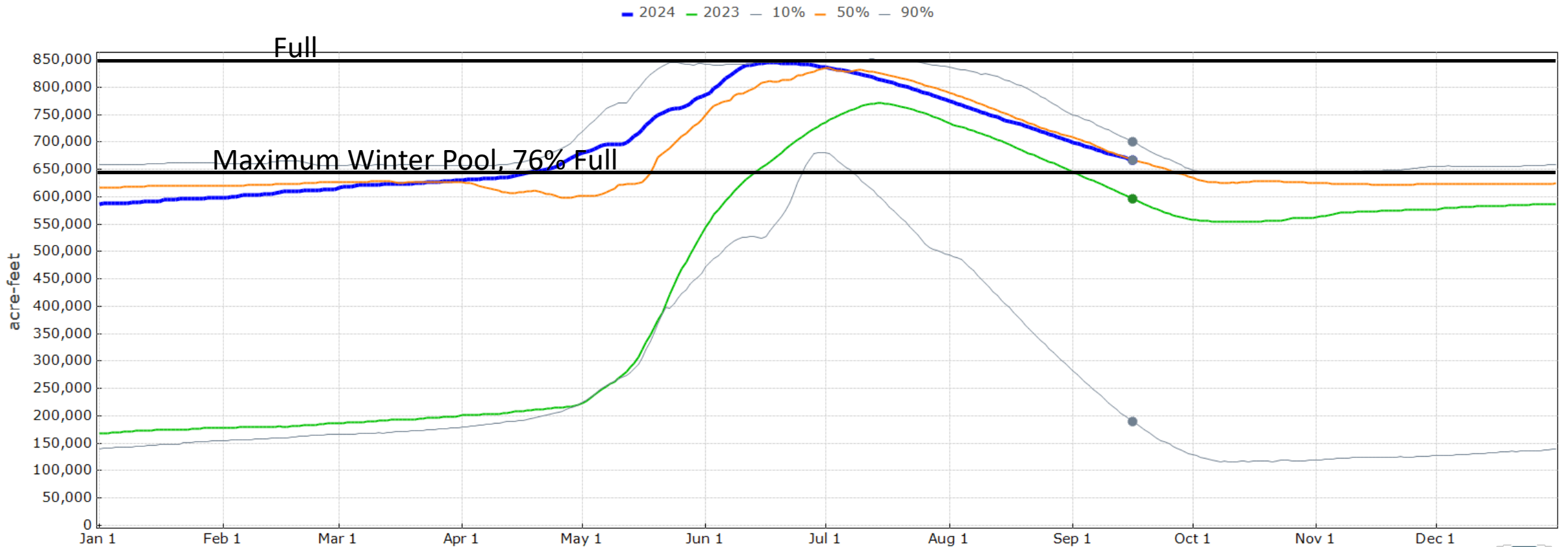


Unregulated Snake River near Heise, ID

■ 2024 ■ 2023 — 10% — 50% — 90%



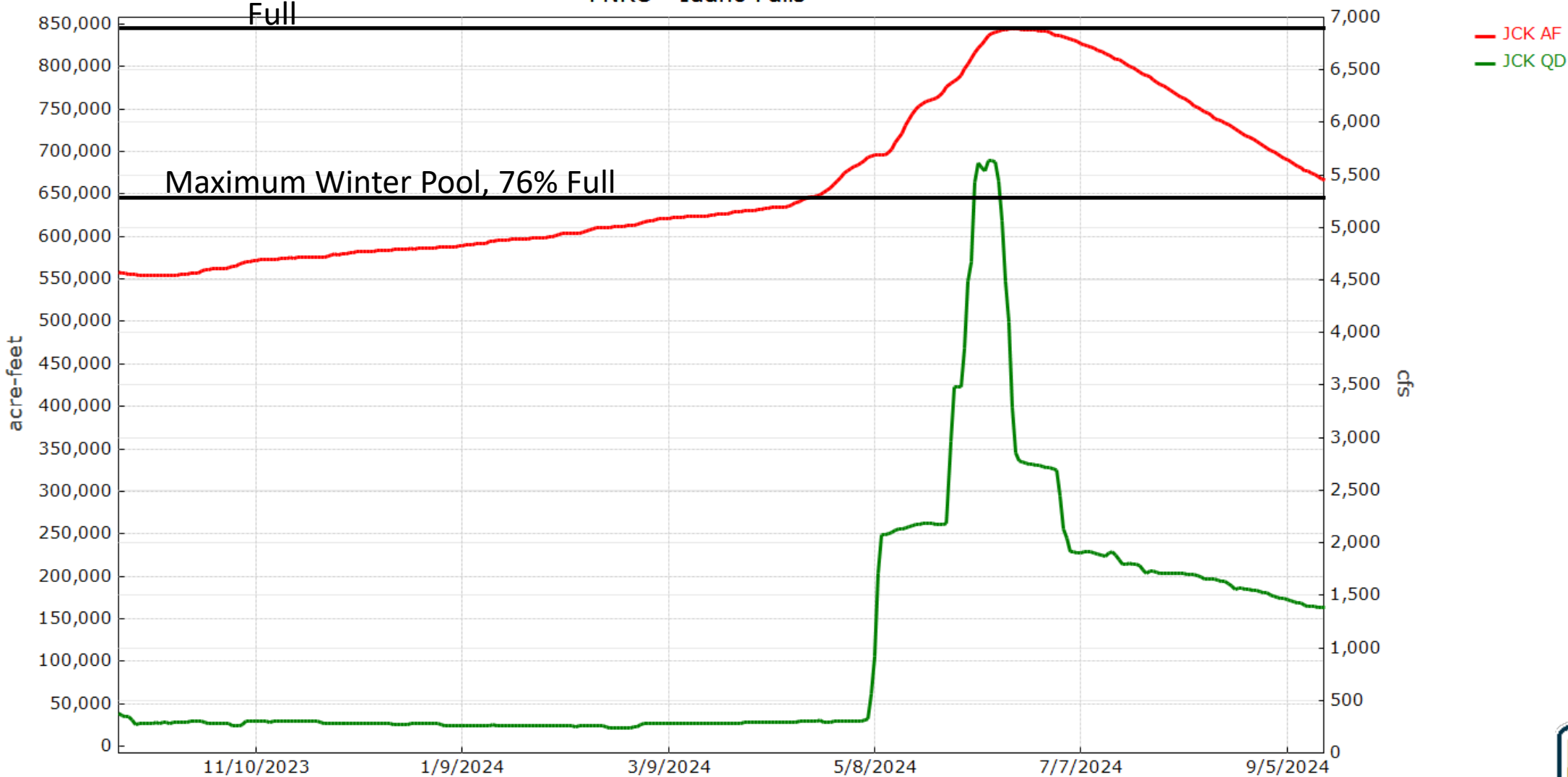
Jackson Lake Storage



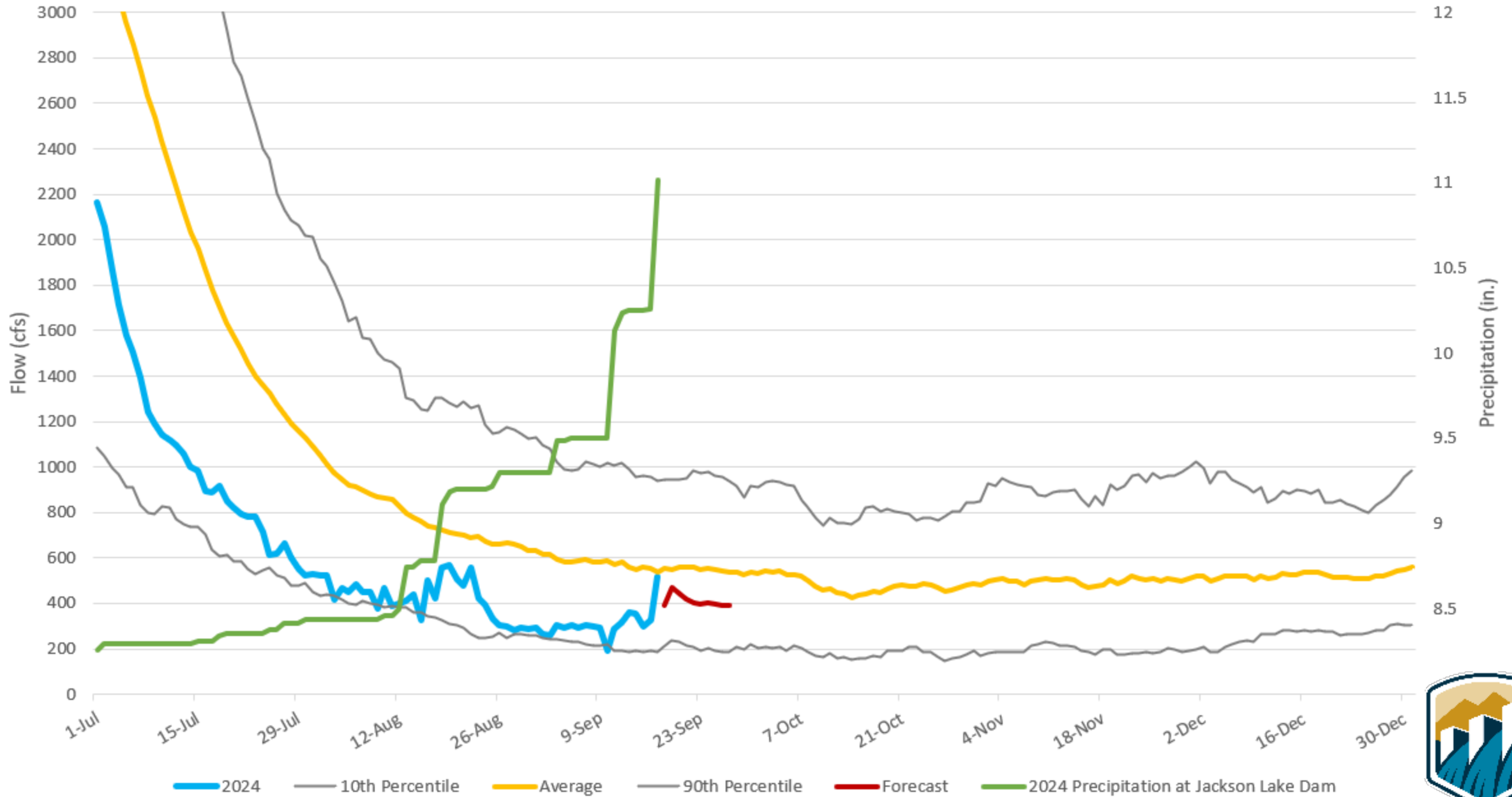
***Peak Storage 6/17/24, 99.8% Full, 2 KAF from full**
***Currently 69 KAF Higher than Last Year**



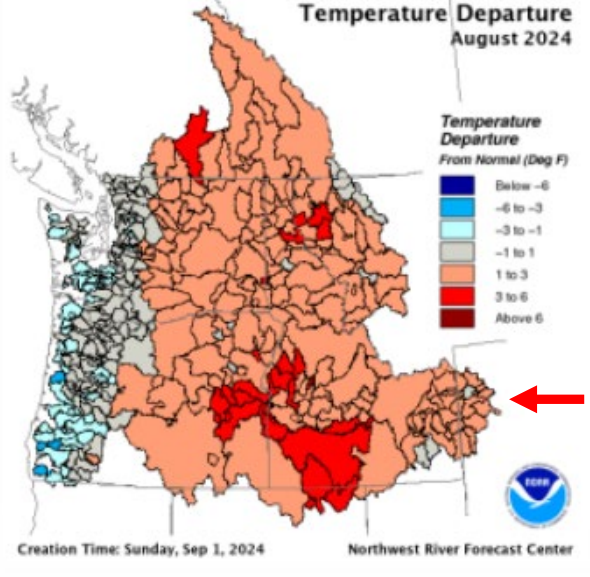
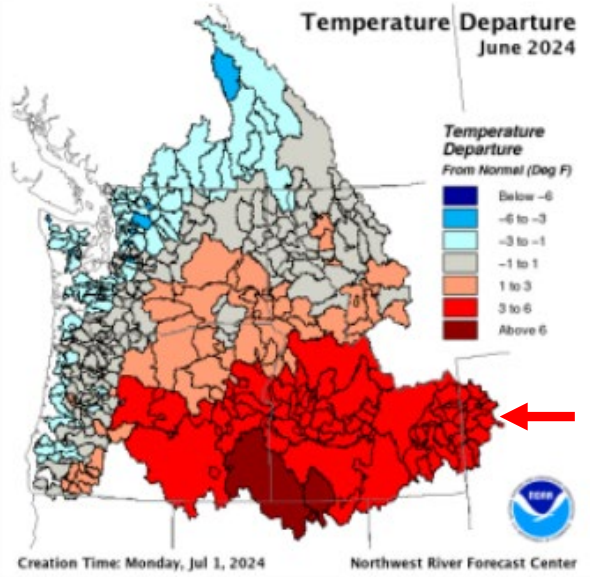
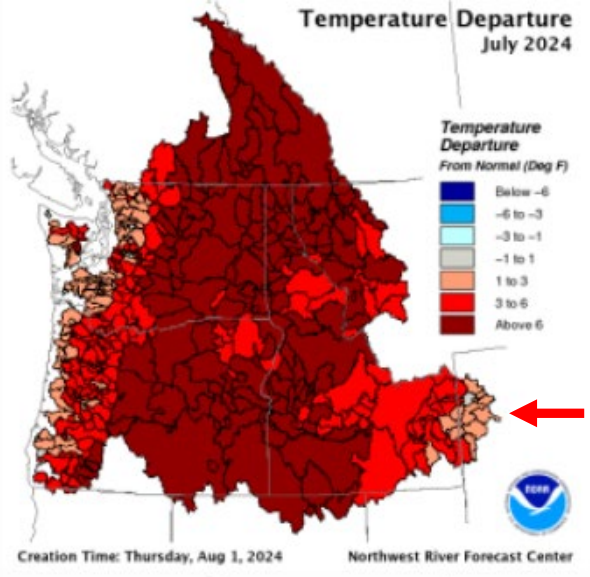
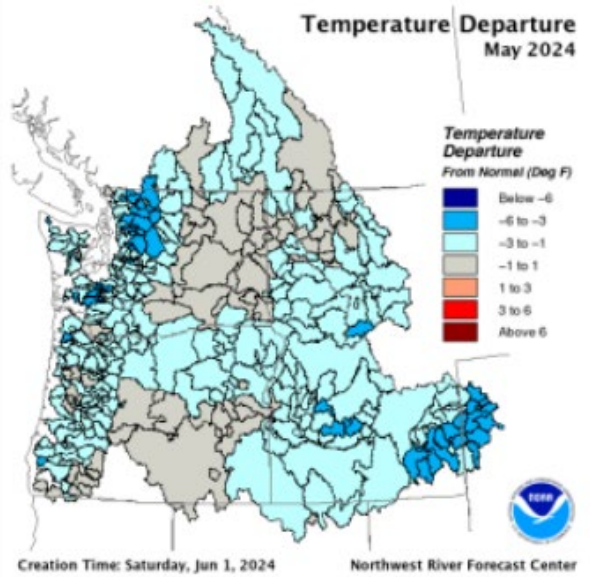
Jackson Lake Storage and Outflow
PNRO - Idaho Falls



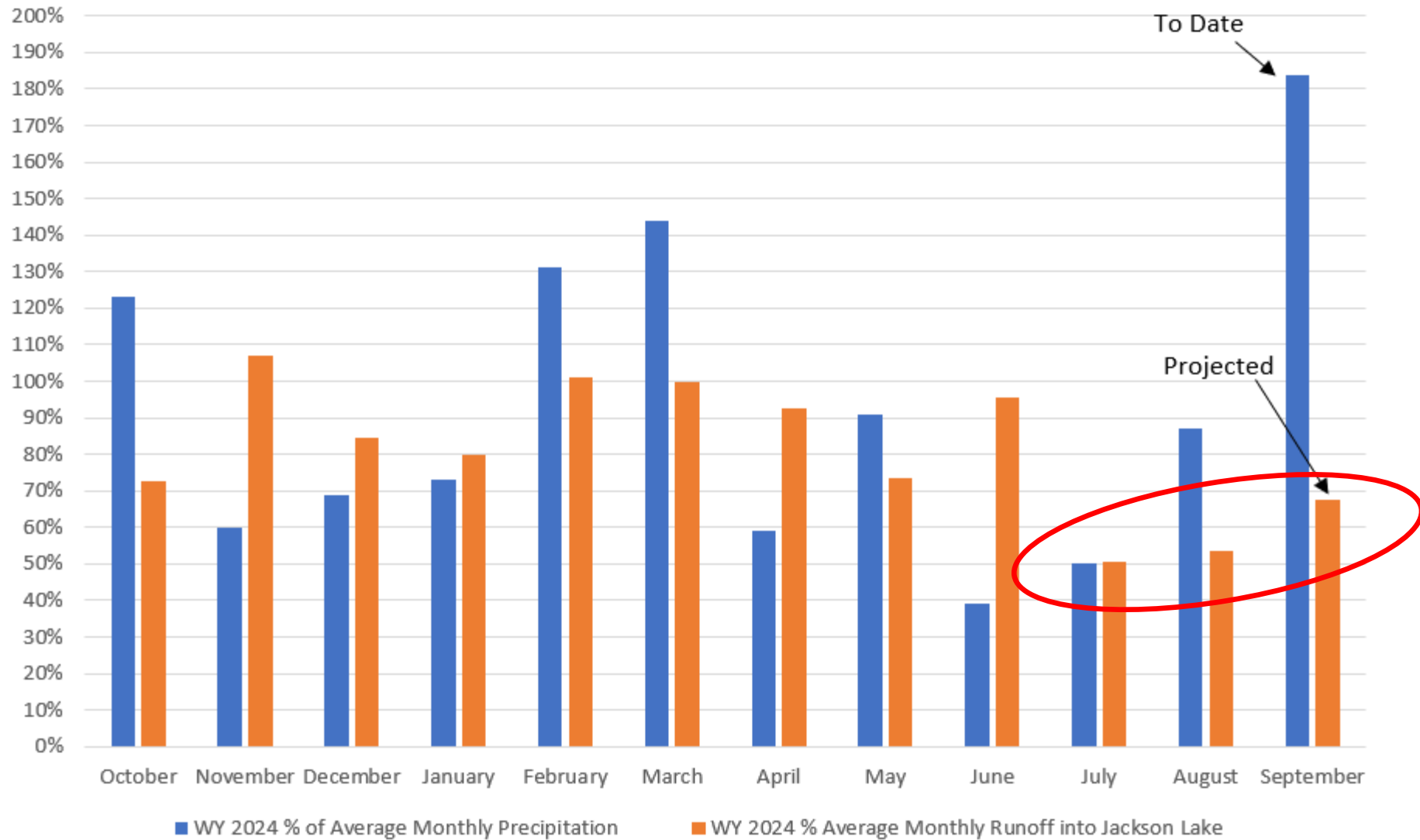
Jackson Lake 7 Day Average Inflow and Precipitation



Hot June, July and August



Snake Headwaters Basin Precipitation and Runoff Comparison



2024 Jackson Lake Summer Outflow Summary

| 2024 Scenario, Jackson Lake from 99.8% Full on 6/17 to 76% Full on 10/1 | | |
|---|-------------|------------------------------|
| Inflow Levels | Inflow (AF) | Average Outflow Needed (cfs) |
| 90% | 555,000 | 3,590 |
| Average | 299,000 | 2,370 |
| 10% | 108,000 | 1,460 |
| Actual | 171,000 | 1,760 |

- In May we anticipated approximately 2,000 cfs for the summer flow
- Inflow on 6/17 3,700 cfs
- Outflow on 6/17 3,300 cfs
- Inflow elevated up to 2,500 cfs until 6/26
- Current Outflow 1,380 cfs
- 2024 Average Outflow 6/17-9/30 1,740 cfs
- Factors in Resulting Summer Outflows and Ramp Down Schedule
 - Be close to 76% Full at the end of summer/fall
 - Currently projecting to be 3 KAF over winter pool, 76.7% full, at end of the ramp down
 - Idaho State University Led Ramp Down Study
 - Relatively low summer/fall inflows
 - High Temperatures melting snowpack, summer inflow translated into additional water to fill the reservoir system in June
 - Low summer precipitation
 - September Precipitation
 - No required O&M affects to Lake level or outflow
 - 5 Coordination Meetings with Snake River Agency Groups since late July 2024 on conditions, outlook and requests

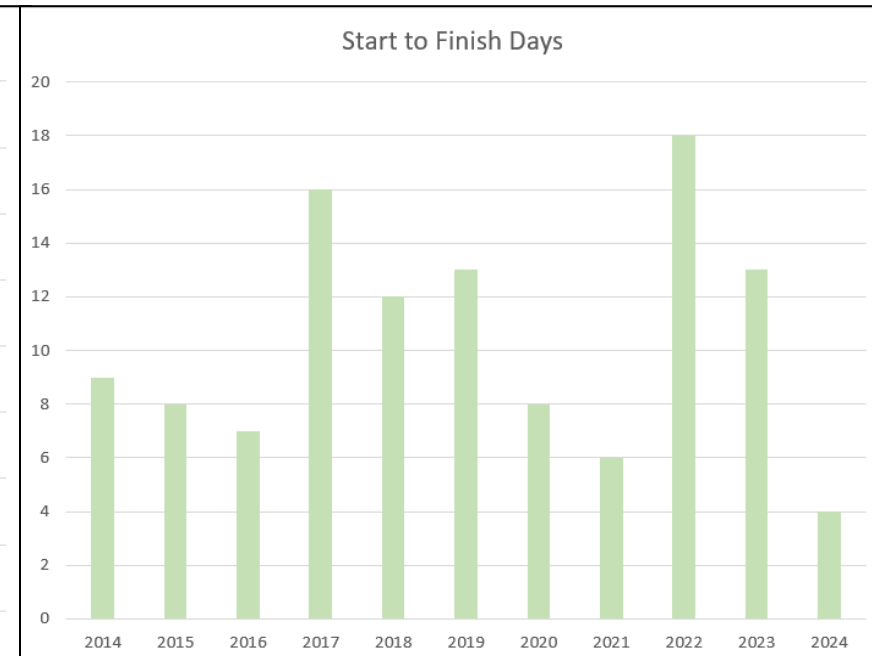
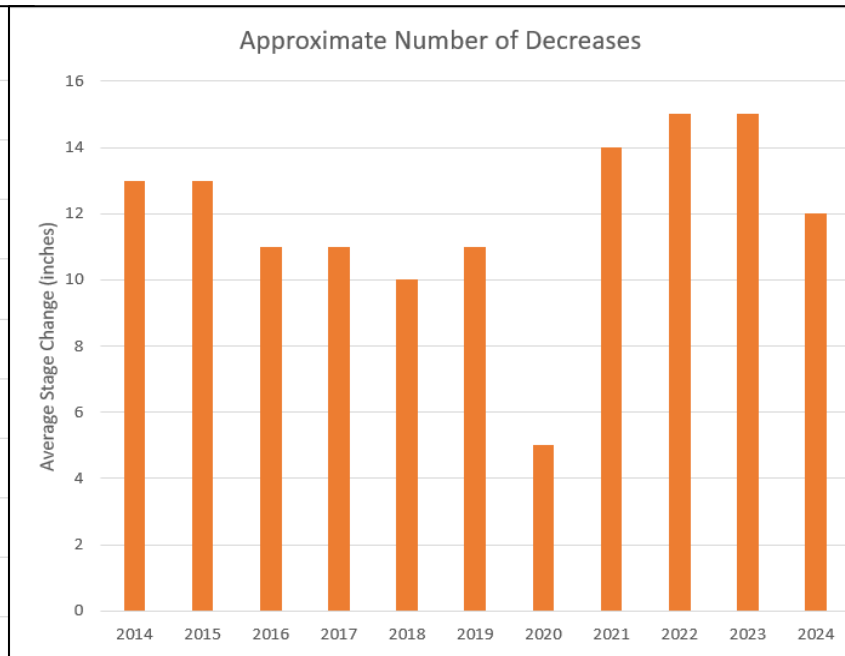
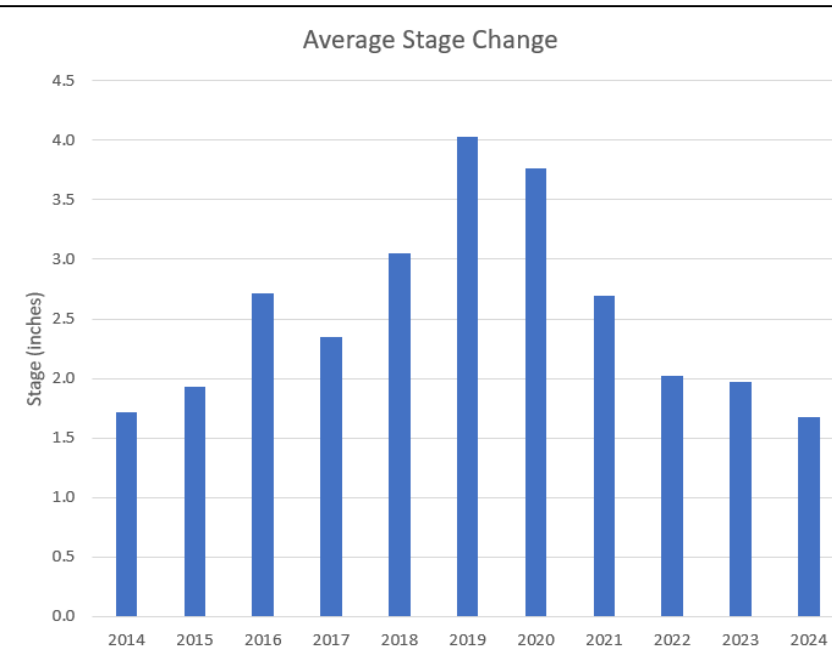


Last 10 Years of Jackson Lake Dam Ramp Downs

| | Year | Approximate | | Average Stage Decrease (inches) | Approximate Number of Decreases | Average Flow Change (cfs) |
|------------|------|-------------|-----------|---------------------------------|---------------------------------|---------------------------|
| | | Start (cfs) | End (cfs) | | | |
| | 2014 | 1820 | 505 | -1.7 | 13 | -101 |
| | 2015 | 1780 | 377 | -1.9 | 13 | -108 |
| | 2016 | 1890 | 280 | -2.7 | 11 | -147 |
| | 2017 | 2113 | 510 | -2.3 | 11 | -146 |
| | 2018 | 1783 | 354 | -3.0 | 10 | -143 |
| | 2019 | 3220 | 280 | -4.0 | 11 | -269 |
| | 2020 | 1153 | 280 | -3.8 | 5 | -175 |
| | 2021 | 2955 | 280 | -2.69 | 14 | -190 |
| | 2022 | 2465 | 280 | -2.02 | 15 | -140 |
| | 2023 | 2330 | 280 | -1.97 | 15 | -140 |
| Projection | 2024 | 1380 | 325 | -1.68 | 9 | -85 |

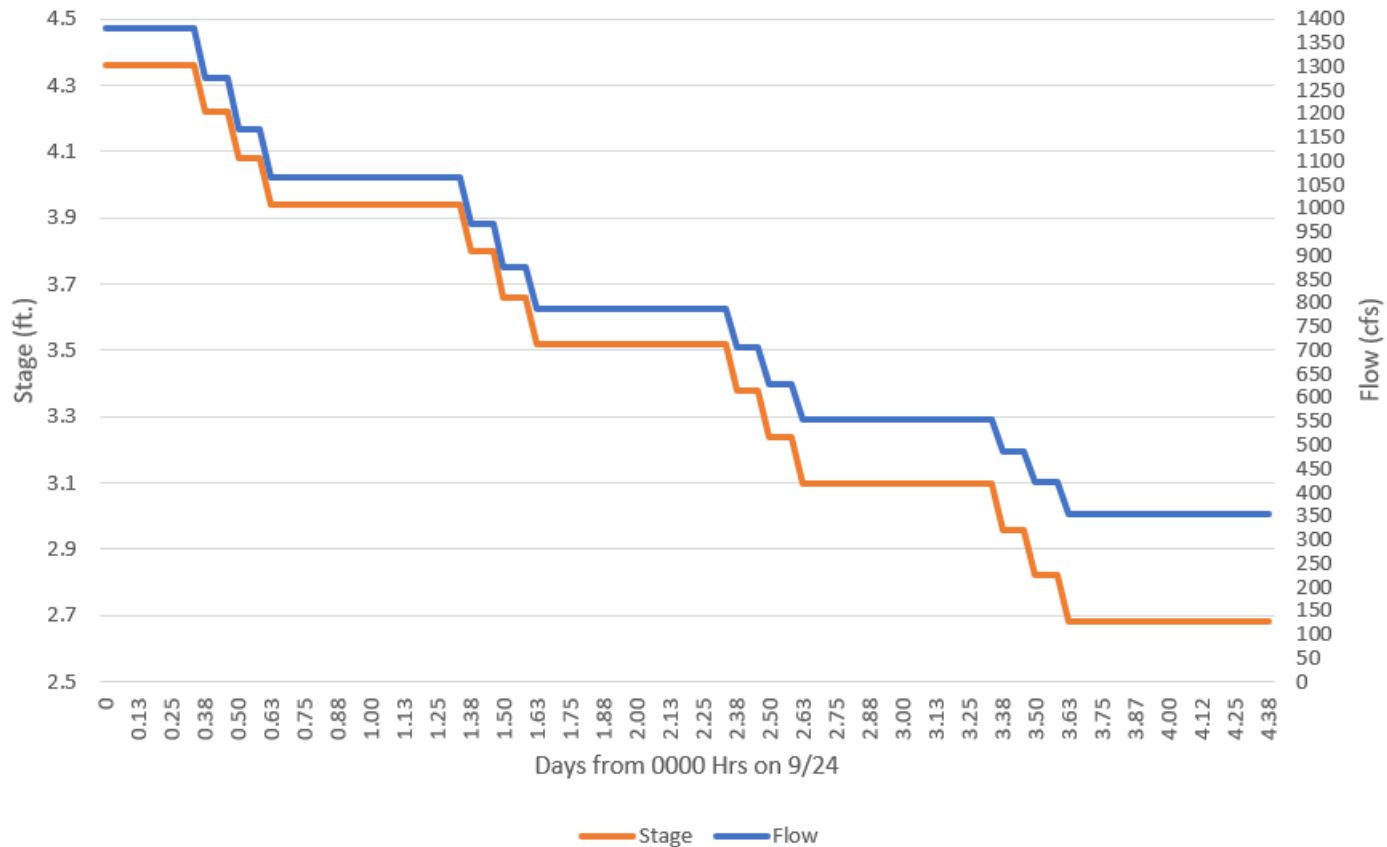


Last 10 Years of Jackson Lake Dam Ramp Downs



2024 Jackson Lake Ramp Down Schedule

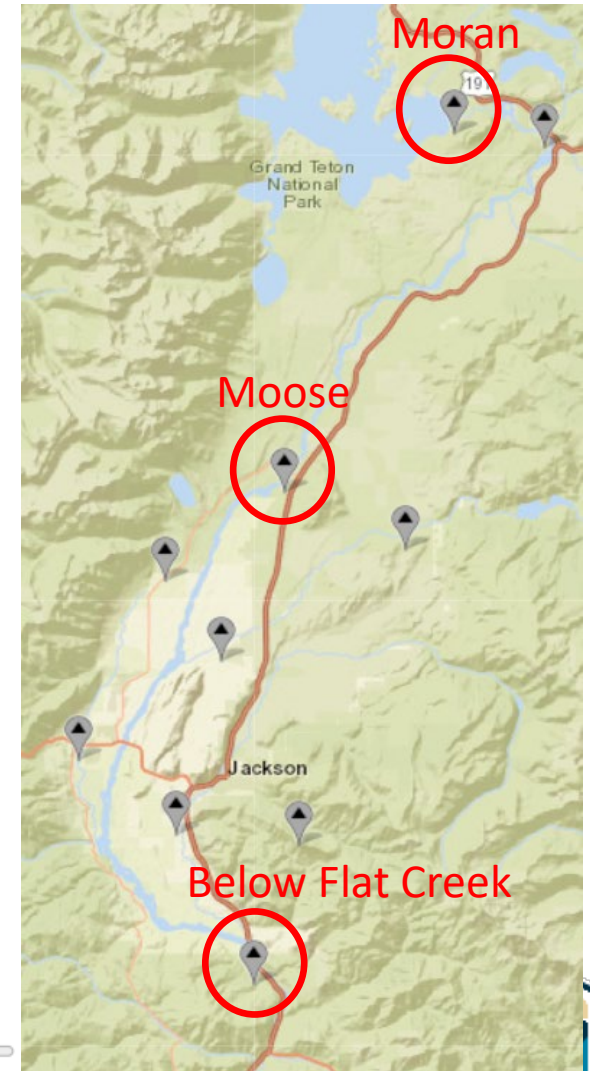
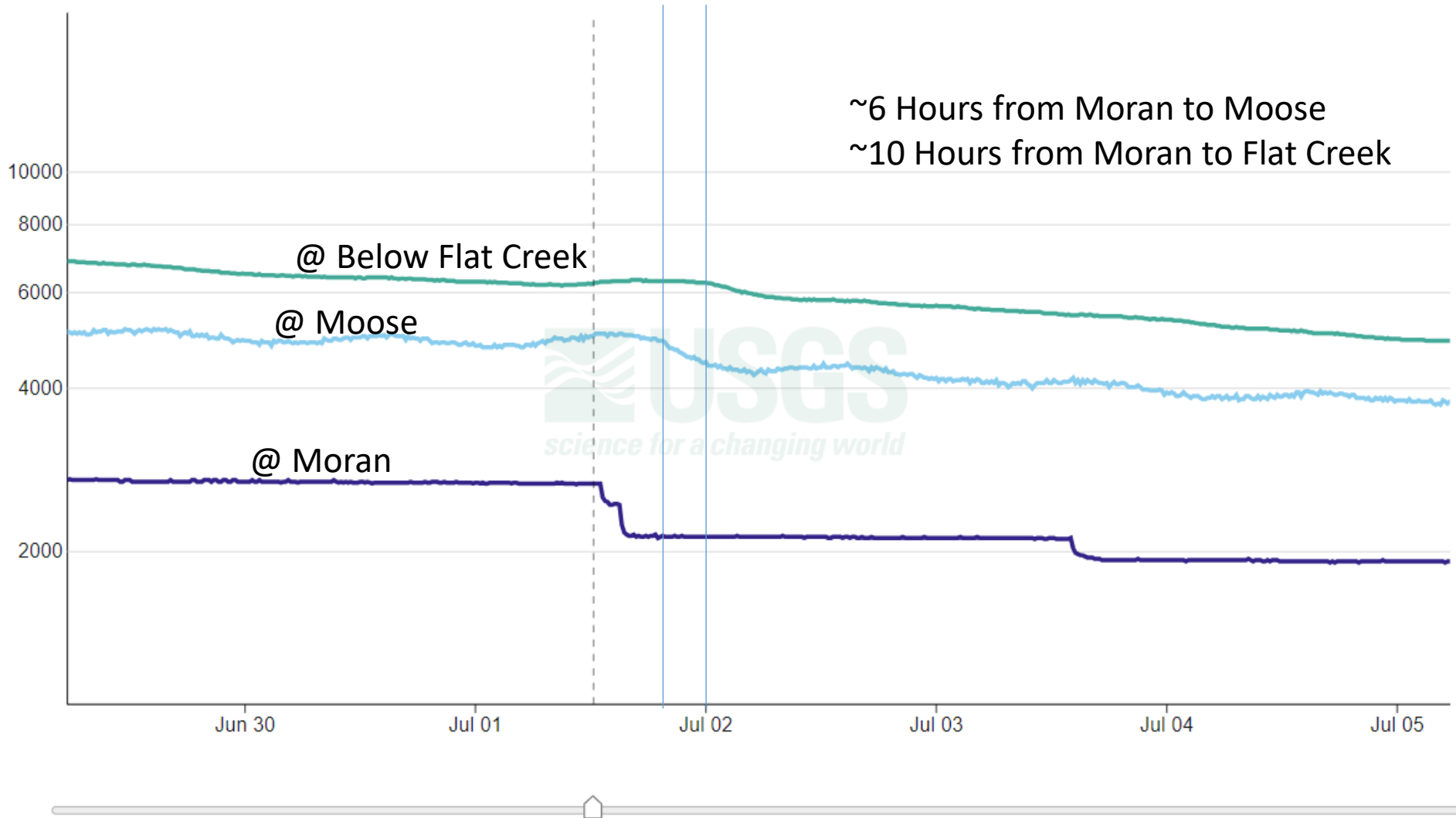
Projected Jackson Lake Outflow Ramp Down
Starting at 9 am on 9/24



- 1.7 inch reductions in stage at Moran at 9 am, noon and 3 pm
- 4 Days - Tuesday 9/24 to Friday 9/27



Anticipated Snake River Travel Times



For More Information

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Snake River Operations Web Sites

<http://www.usbr.gov/pn/snakeriver/water/jacksonlake/index.html>
<http://www.usbr.gov/pn/hydromet/upperSnake/index.html>
USBR HydroMet - <http://www.usbr.gov/pn/hydromet/>
Northwest River Forecast Center - <http://www.nwrfc.noaa.gov/rfc/>
NRCS SNOTEL Data - <http://www.id.nrcs.usda.gov/snow/>

