

(Monday, May 9)

Subject: 2022 Upper Snake River and Reservoir Operations Update

Purpose: The purpose of these updates is to provide information regarding Reclamation's operations and basin conditions as the season progresses. The operations outlined in this update are based on the best data available at the time and are subject to change as new information becomes available. For additional information and resources, please visit our website at <https://www.usbr.gov/pn/hydromet/uppersnake/>.

## Highlights

### \*\*May 1 Operational Forecasts Update

#### Current Reservoir Conditions Summary Table

As of May 8, 2022

BASIN	FULL (Acre-Feet)	AVG (Acre-Feet)	CURRENT (Acre-Feet)	%FULL	%AVG	Year-DELTA (Acre-Feet)
Little Wood	30,000	25,175	<b>27,418</b>	91%	109%	9,139
Upper Snake System	4,135,695	3,084,899	<b>2,480,453</b>	60%	80%	-1,009,246
<i>Above Heise Reservoirs</i>	2,047,000	1,198,298	<b>709,391</b>	35%	59%	-1,023,783
Palisades Reservoir	1,200,000	638,447	<b>522,315</b>	44%	82%	-509,938
Jackson Lake	847,000	559,851	<b>187,076</b>	22%	33%	-513,845
<i>Henrys Fork Reservoirs</i>	240,385	224,287	<b>227,601</b>	95%	101%	-2,435
Ririe Reservoir	80,540	65,724	<b>60,385</b>	75%	92%	-4,521
<i>Lower System</i>	1,767,770	1,596,590	<b>1,483,076</b>	84%	93%	21,493

#### South Fork Snake River

**\*\*Unregulated Runoff above Heise:** The May 1 operational forecast for the May-July period has been coordinated at 2,200,000 acre-feet, which is 76% of the base period average. This signifies an increase of approximately 300,000 acre-feet from the April forecast. The above average precipitation during April has increased forecasted water supply but follows observed unregulated flows above Heise for the November 1-April 30 period that was the lowest in the last 65 years.

#### Additional Reclamation Forecast Summary Table

##### CURRENT MONTHLY FORECAST SUMMARY MAY 1, 2022

FORECAST POINT	FORECAST PERIOD	1991-2020 AVERAGE (KAF)	FORECAST (KAF)	PERCENT NORMAL
*** HEISE	MAY-JUL	2898	2200	76%
JACKSON LAKE	MAY-JUL	701	530	76%
ISLAND PARK	MAY-JUL	158	103	65%
TETON	MAY-JUL	303	226	75%
*** RIRIE	MAY-JUN	35	19	55%
*** LITTLE WOOD	MAY-JUL	52	31	60%

\* Coordinated with USACE

For additional information, please contact the individuals below, or call the Upper Snake River and Reservoir Operations line at 208-670-0761.

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Reservoir levels, reservoir discharge, and river flows can be monitored on the USBR Hydromet page here:

<https://www.usbr.gov/pn/hydromet/>

The Upper Snake “teacup” diagram which provides a graphical overview of system conditions can be accessed here: <https://www.usbr.gov/pn/hydromet/burtea.html>

### **Key Terms Definitions**

**Unregulated Flows (depleted)** – calculated flow values at a given point that have been adjusted to remove the influence of upstream reservoir regulation

**Natural/Naturalized Flow** – calculated flow values at a given point that have been adjusted to account for the influence of upstream reservoir regulation, reservoir evaporation, and consumptive use of diversions.