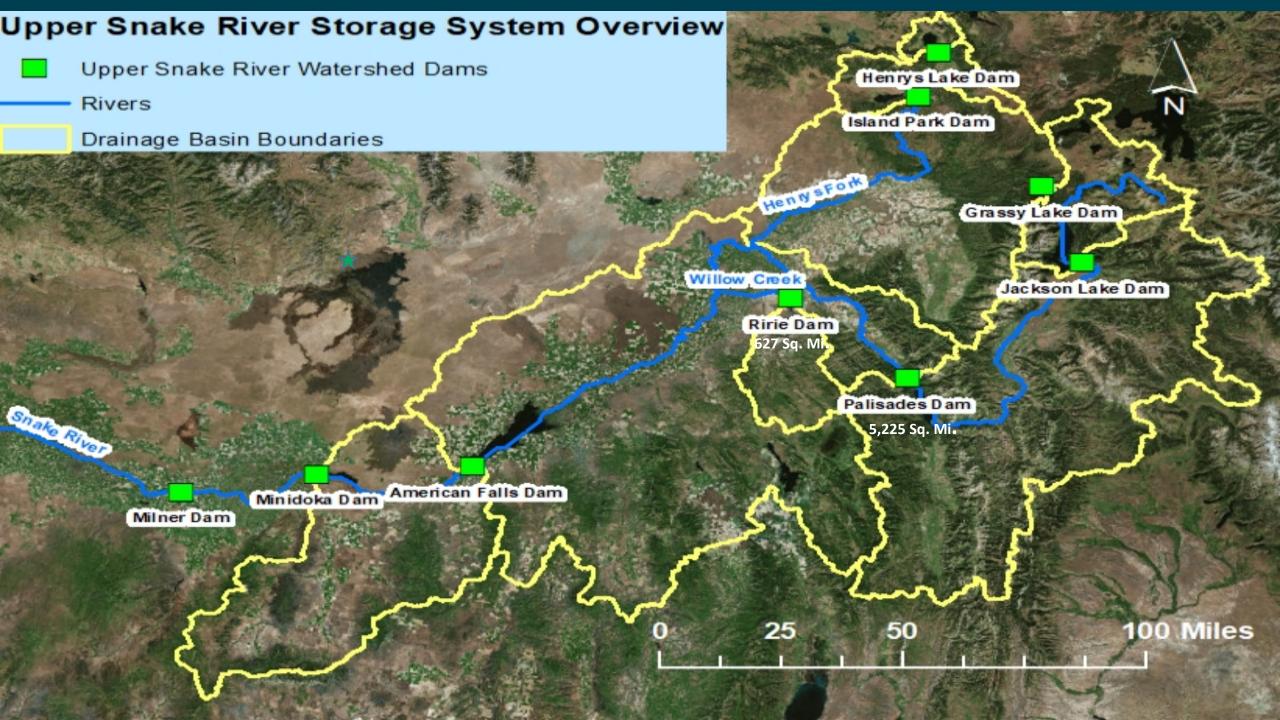
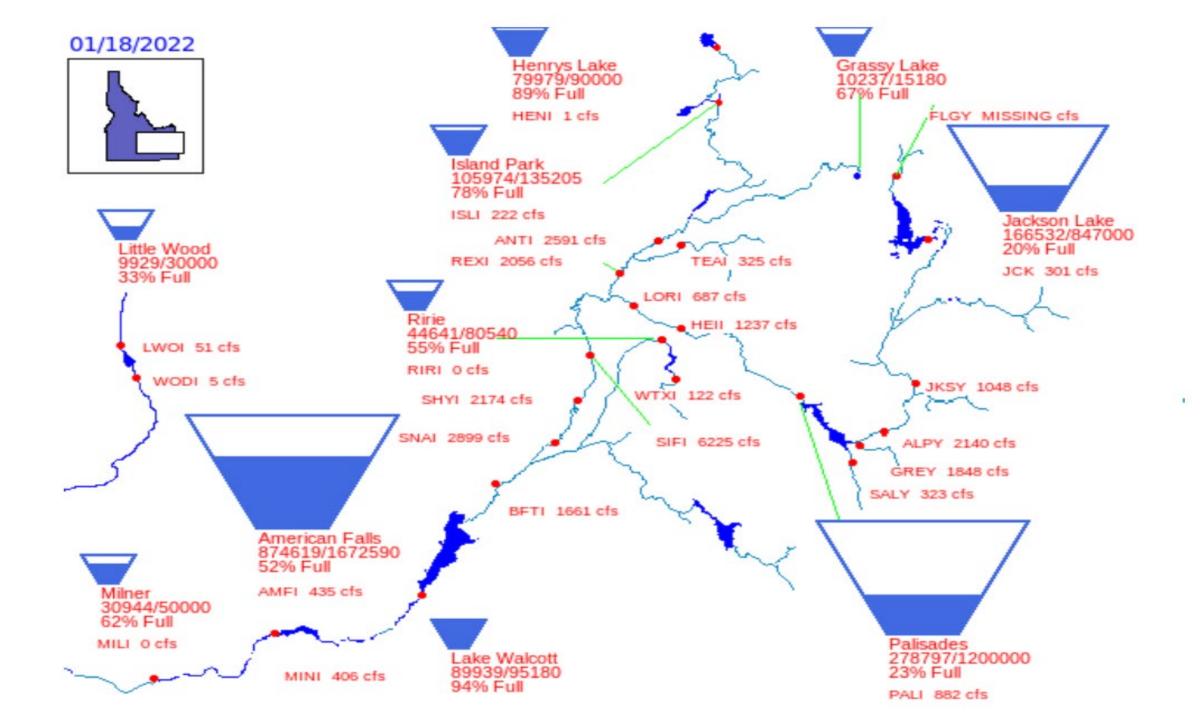


## — BUREAU OF — Reclamation

Jeremy Dalling Upper Snake Field Office Reservoir Operations Lead Federal Reservoirs above King Hill January 19, 2022

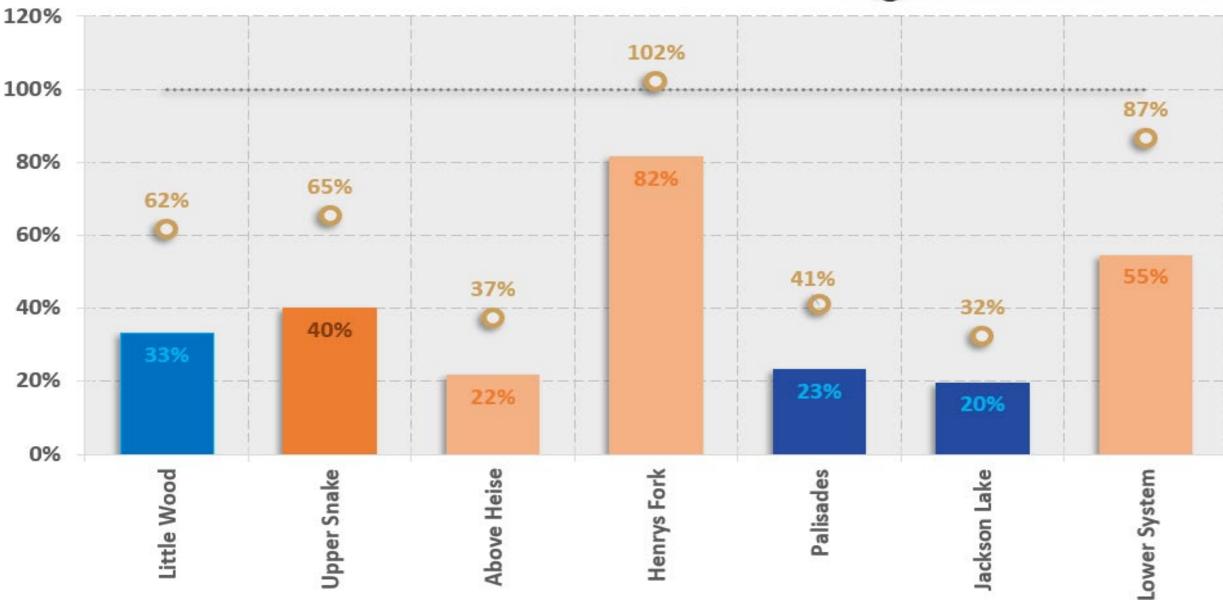




## Snake above King Hill Storage (Jan 18)

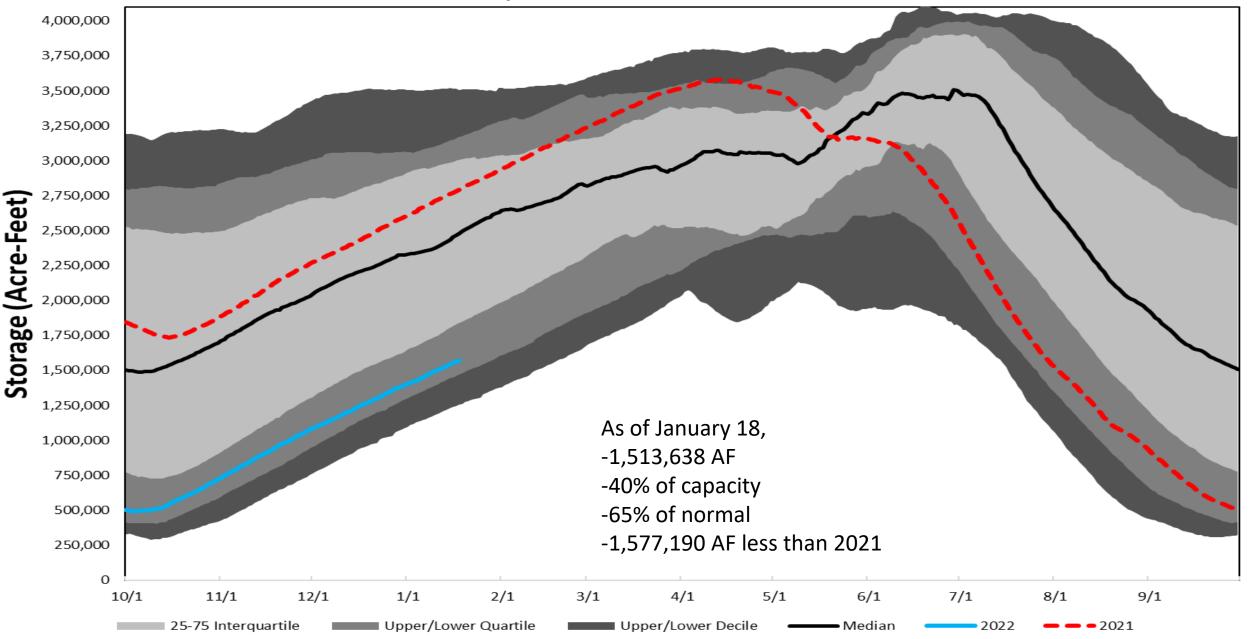
Percent Full (Active Storage) OPercent of Base Period Normal (91-20)



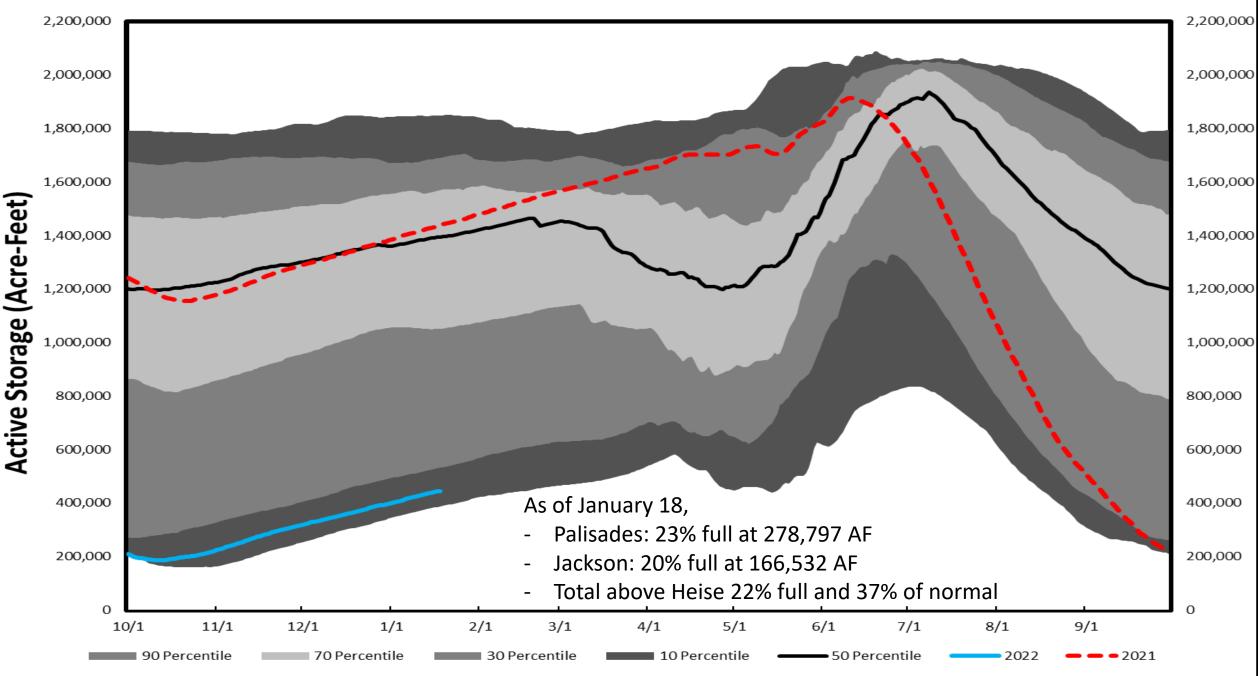


### Upper Snake Reservoir System Total Storage (Acre-Feet)

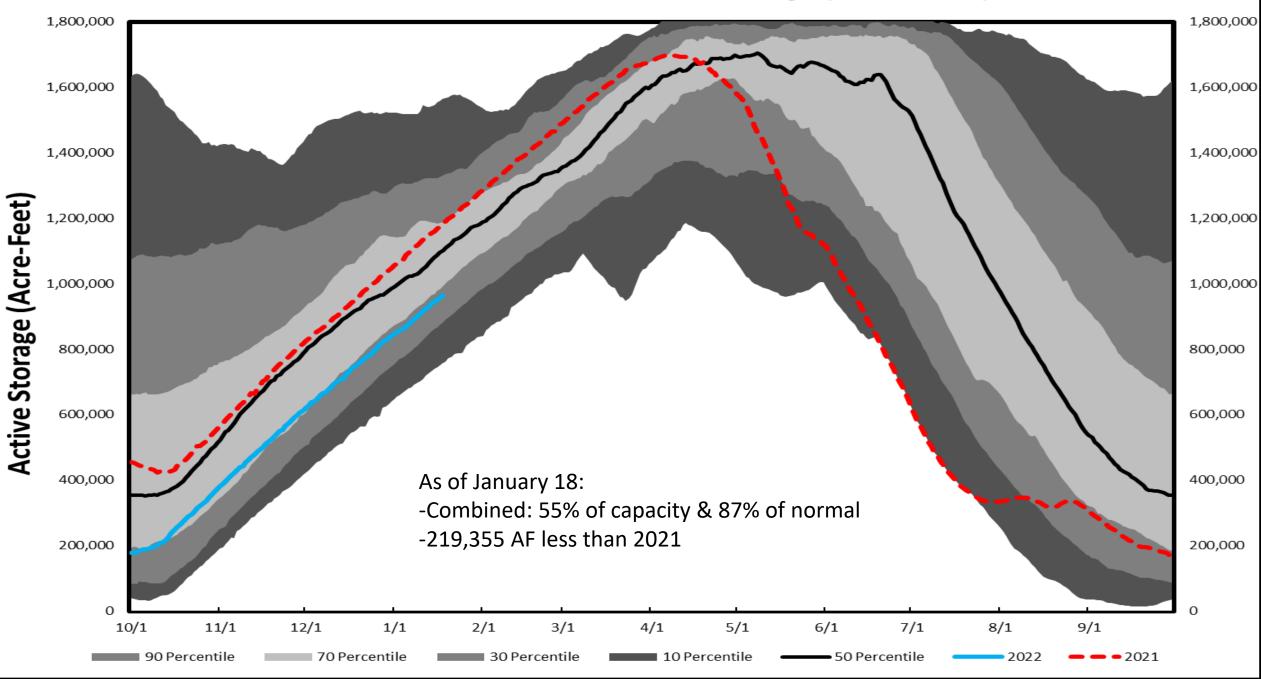
Analysis Period 1977-2021



Jackson and Palisades Storage (1958-2021)



### American Falls and Lake Walcott Storage (1958-2021)

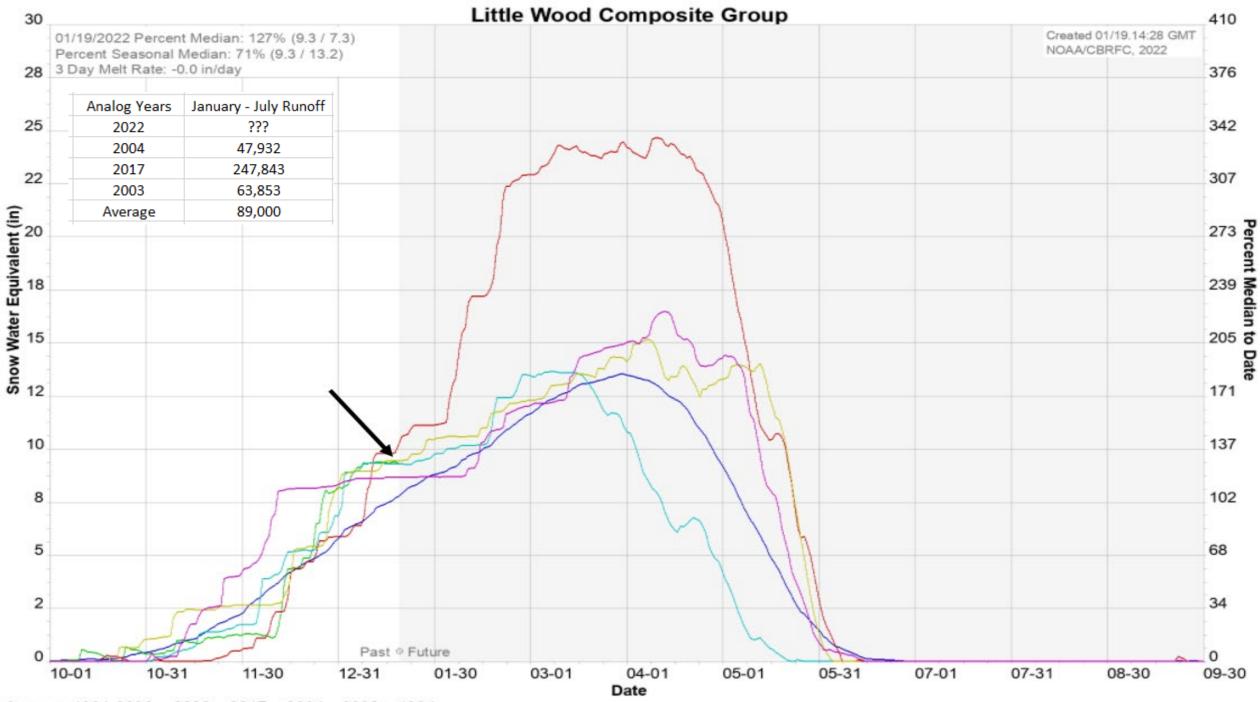




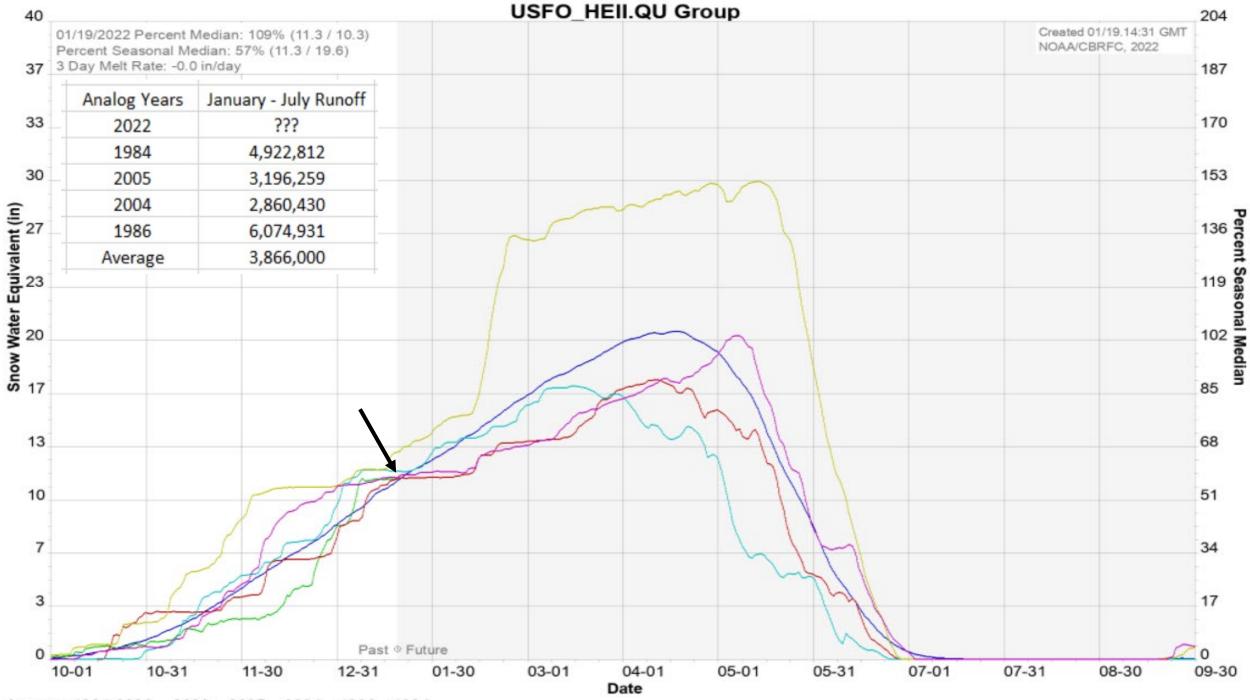
# - BUREAU O RECLAMAT

# Runoffeutlook



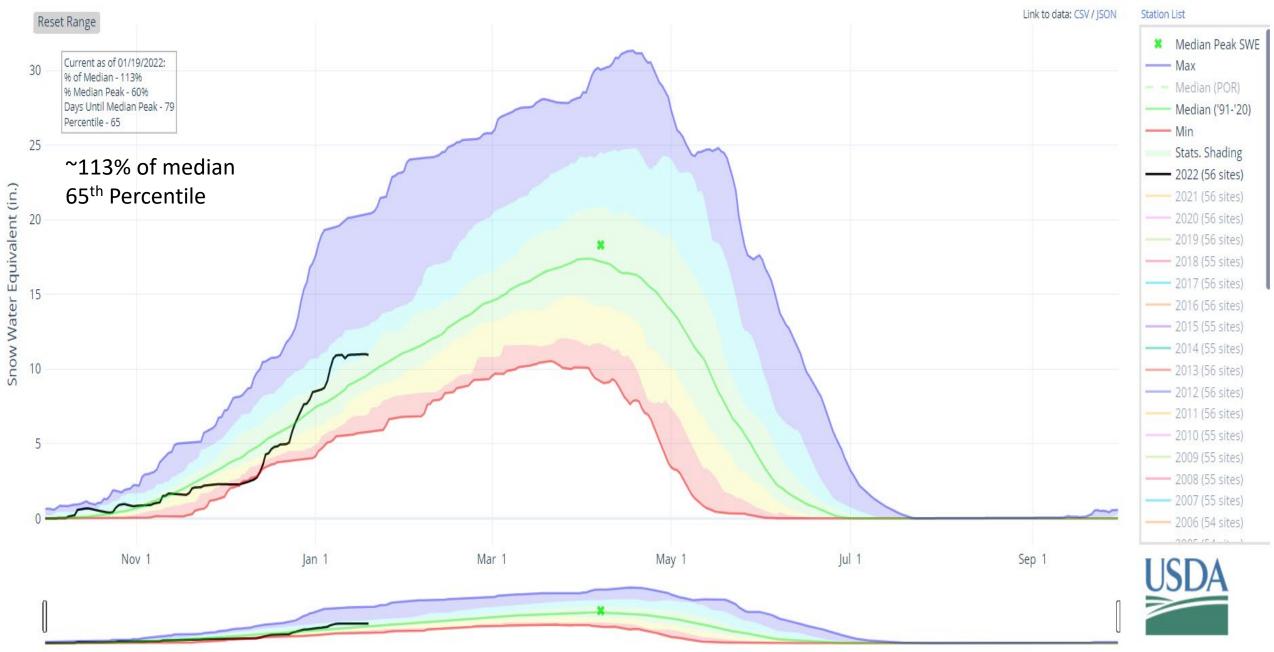


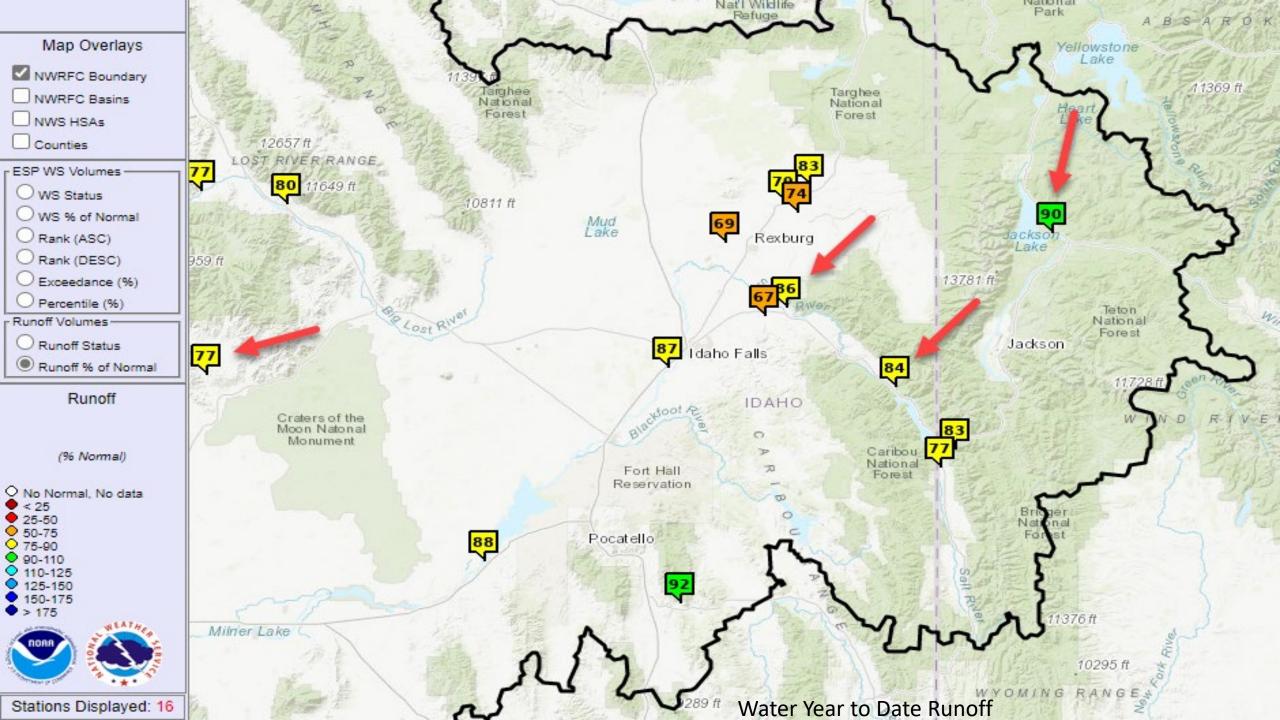
Average 1991-2020 \_ 2022 \_ 2017 \_ 2004 \_ 2003 \_ 1984\_



Average 1991-2020 \_ 2022 \_ 2005 \_ 2004 \_ 1986 \_ 1984 \_

## SNOW WATER EQUIVALENT IN UPPER SNAKE







# 

# **Forecasts and Outlooks**

### CURRENT MONTHLY FORECAST SUMMARY JAN 1, 2022

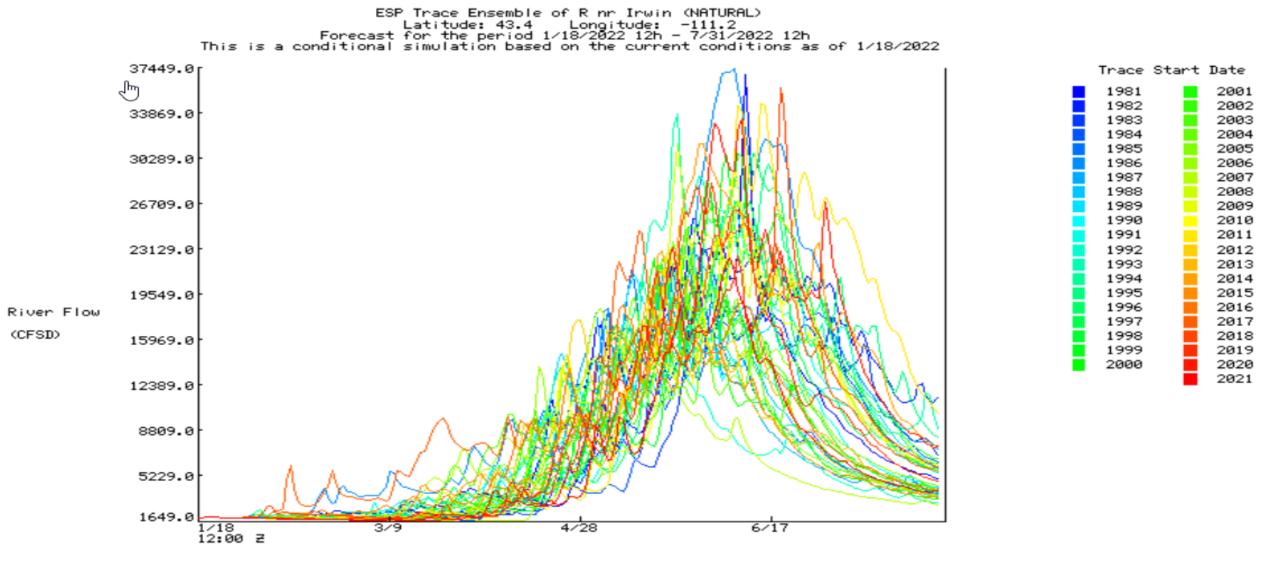
FORECAST POINT	FORECAST PERIOD	1991-2020 AVERAGE (KAF)	NORMAL SU COND FORECAST (KAF)	
*** HEISE	JAN-JUL	3866	3500	91%
** JACKSON LAKE	JAN-JUL	869	822	95%
** ISLAND PARK	JAN-JUL	285	237	83%
** TETON	JAN-JUL	424	356	84%
*** RIRIE	JAN-JUN	66	62	94%
*** LITTLE WOOD	JAN-JUL	89	122	137%

\* PCA Forecast

\*\* Average of some or all of the following: PCA, MLR, RFC

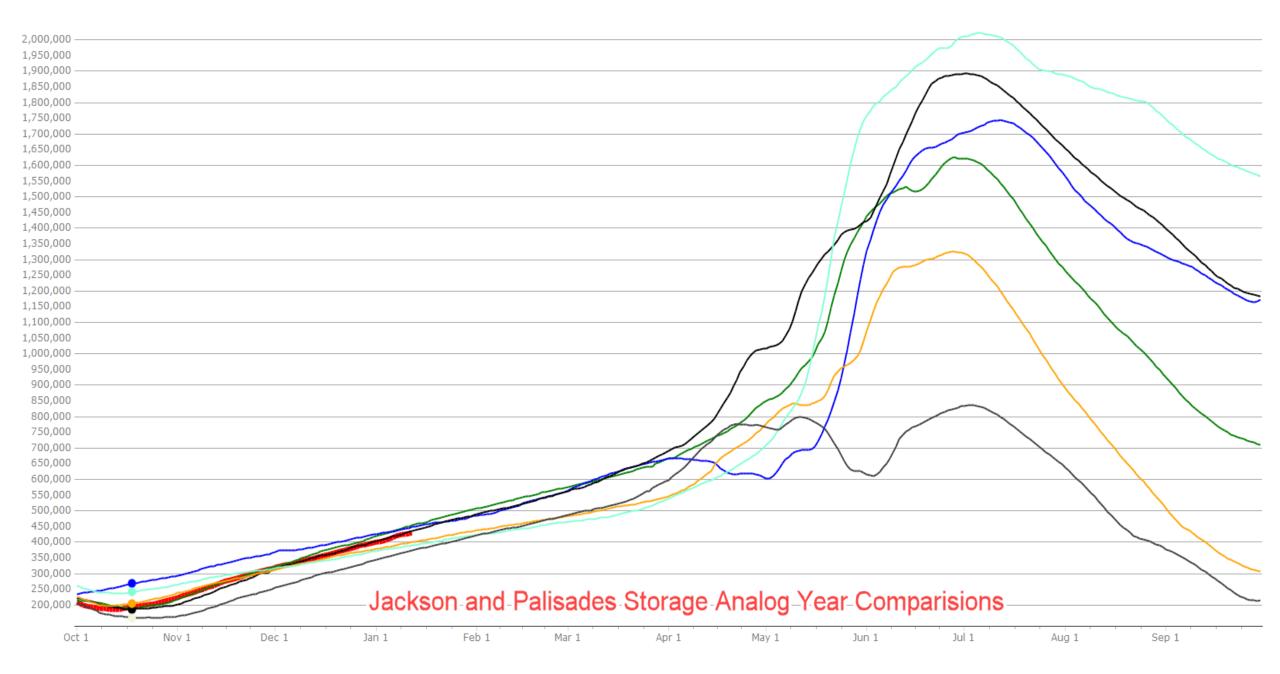
\*\*\* Coordinated with USACE

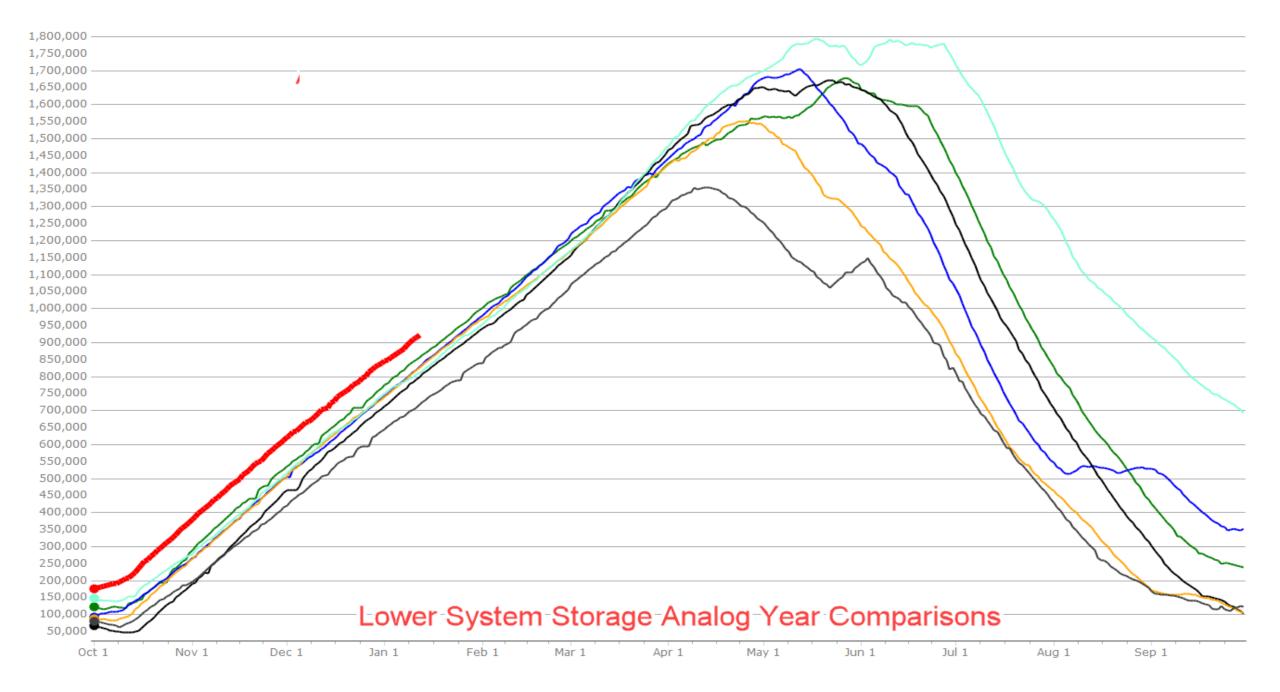
\*\*\*\* RFC or NRCS



#### Ensemble Plot

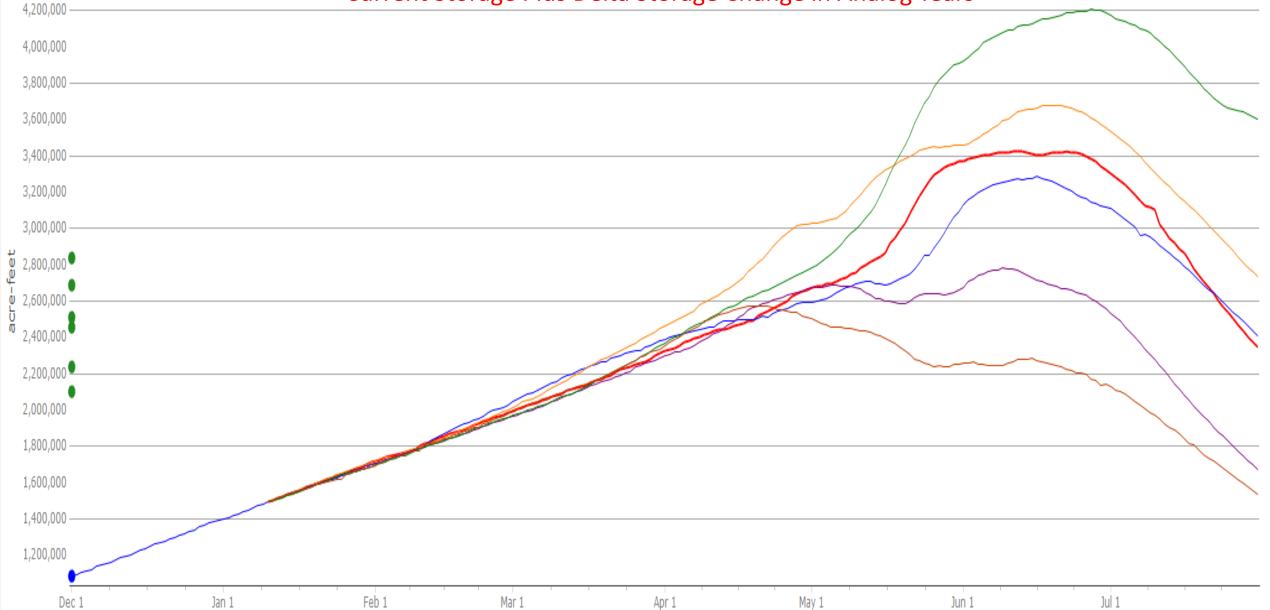
This plot is often refered to as the 'spaghetti' plot. It displays all of the traces together on the same plot. This plot does not contain explicit probabilistic information but does show the variability of the forecast data. The Y-axis is the selected hydrologic parameter and the X-axis is date of the analysis selected at forecast time. The trace color code represents the year. Traces will show the streamflow time series for each calibration year over the selected analysis period. Data will be aggregated for the interval selected. For example, if you select Mean and Day, you will get the mean daily flows each day of the analysis period.





— snasys af 2022 — 2005 deltas — 2014 deltas — 1989 deltas — 2002 deltas — 1993 deltas — 2004 deltas

Current Storage Plus Delta Storage Change in Analog Years



# Overview

• Storage is below average in the Upper Snake

• Snowpack is near to above average

Releases likely steady through February

• Little Wood - FRM may be needed before April



## For More Information

### Snake River Area Office

Lanie Paquin - Area Manager
 208-383-2246
 mpaquin@usbr.gov

### **Upper Snake Field Office**

- Mike Hilliard Field Office Manager
  208-678-0461 (x34)
  mhilliard@usbr.gov
- Brian Stevens Water Operations Group Manager (x24)
  <u>bstevens@usbr.gov</u>
- Jeremy Dalling Reservoir Operations Lead (x25) jdalling@usbr.gov
- Darrin Fredrickson Staff Assistant (x17) <u>dfredrickson@usbr.gov</u>

### Snake River Operations Web Sites

- Upper Snake water information site -<u>http://www.usbr.gov/pn/hydromet/uppersnake/index.html</u>
- USBR HydroMet <u>http://www.usbr.gov/pn/hydromet/</u>
- Northwest River Forecast Center <u>http://www.nwrfc.noaa.gov/rfc/</u>
- NRCS SNOTEL Data <u>http://www.id.nrcs.usda.gov/snow/</u>

