

Brad Little *Governor*

Jeff Raybould

Chairman St. Anthony At Large

Jo Ann Cole-Hansen

Vice Chair Lewiston At Large

Dean Stevenson

Secretary
Paul
District 3

Dale Van Stone

Hope District 1

Albert Barker

Boise District 2

Brian Olmstead

Twin Falls At Large

Marcus Gibbs

Grace District 4

Patrick McMahon

Sun Valley At Large

AGENDA

IDAHO WATER RESOURCE BOARD

Upper Snake River Advisory Committee Meeting No. 5-24 Thursday, May 9, 2024 10:00 a.m. (MST)

Meeting Location(s):

BOISE Water Center Conf. Room 602B 322 E. Front St. IDAHO FALLS Eastern Regional Office Main Conference Room 900 N. Skyline Dr.

or

VIDEO conference via Zoom is available upon registration, contact cooper.fritz@idwr.idaho.gov for registration information

- 1. Introductions and Attendance
- 2. Weather Forecast (NOAA)
- 3. Snow Pack / Streamflow Forecasts (NRCS)
- 4. Water Supply / Operations Update (USBR)
- 5. Idaho Power Company
 - a. Operations Update
 - b. Cloud Seeding Update
- 6. Water District 01 Briefing
- 7. IWRB Managed Recharge Operations
- 8. New Business
- 9. Adjourn

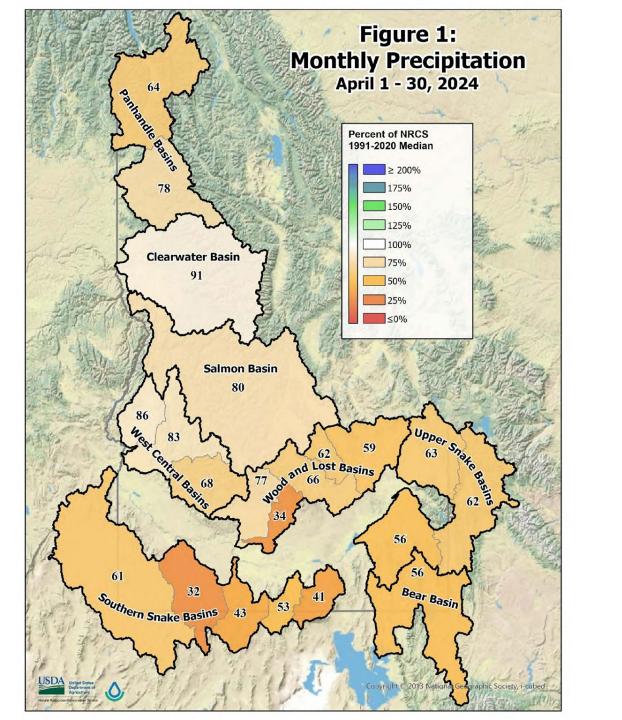
Committee Member: Brian Olmstead

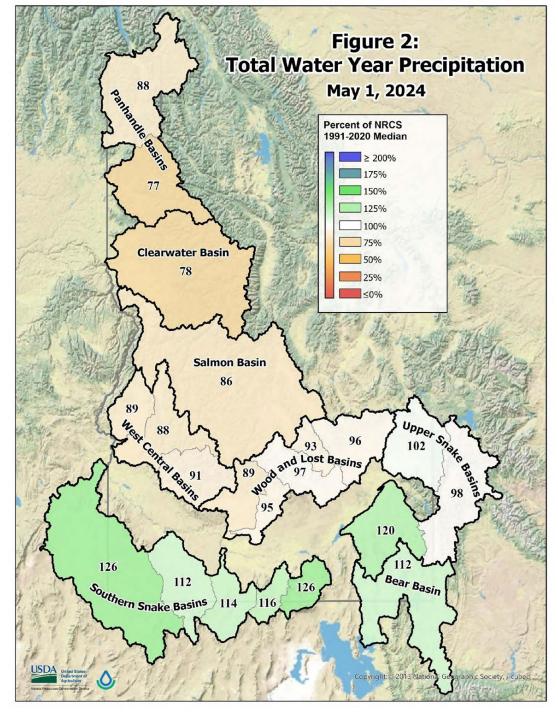
Americans with Disabilities

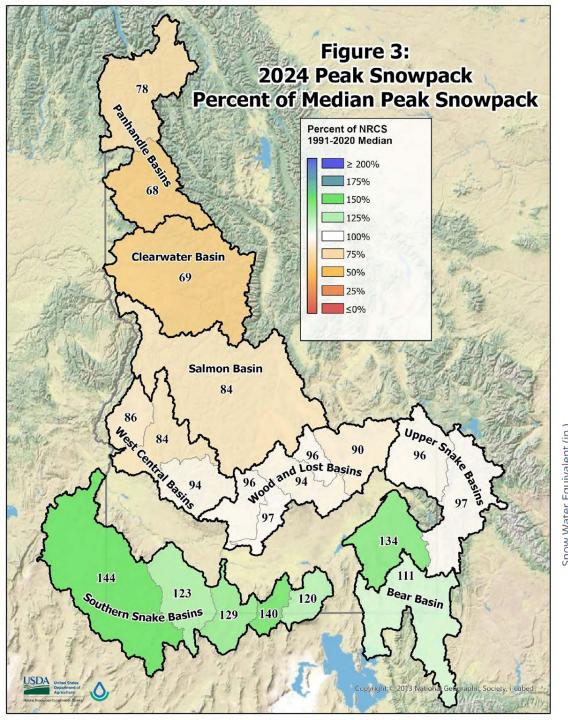
The meeting will be held in person and online. If you require special accommodations to attend, participate in, or understand the meeting, please make advance arrangements by contacting Department staff by email jennifer.strange@idwr.idaho.gov or by phone at (208) 287-4800.











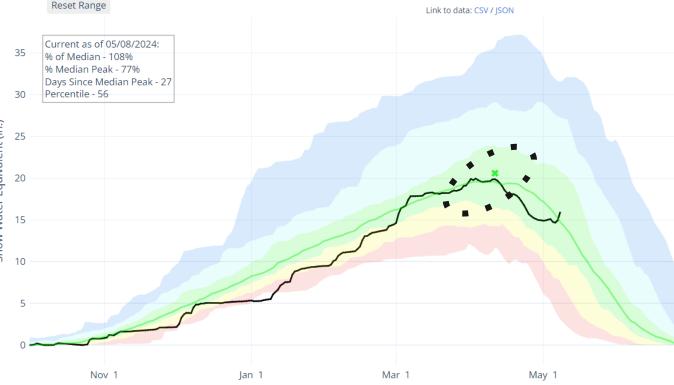
Map on left compares:

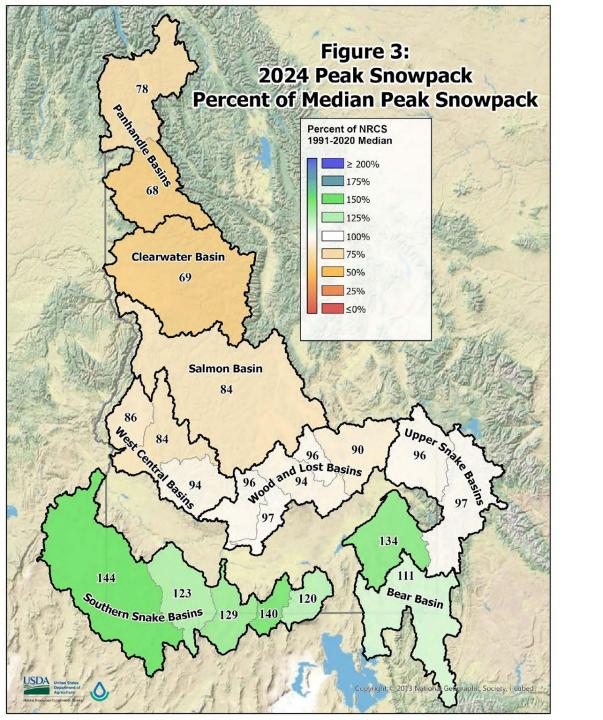
 The 2024 water year peak SWE (maximum SWE value on the black line)

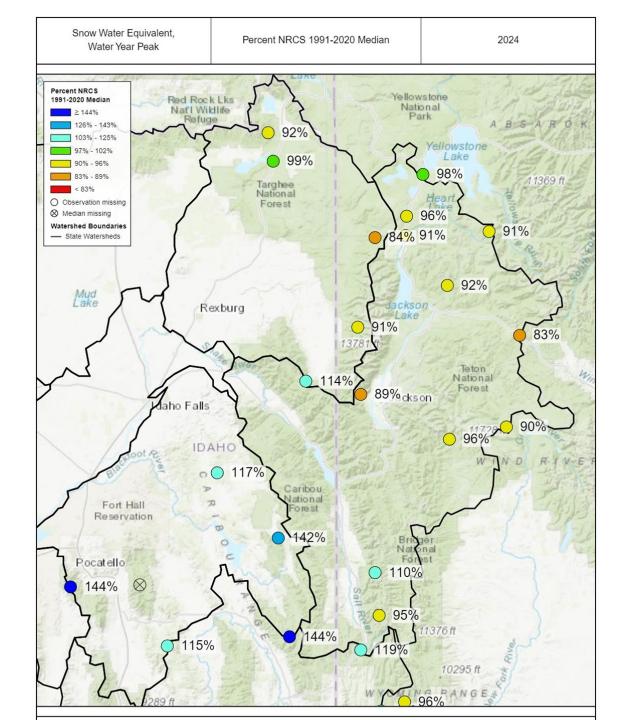
to

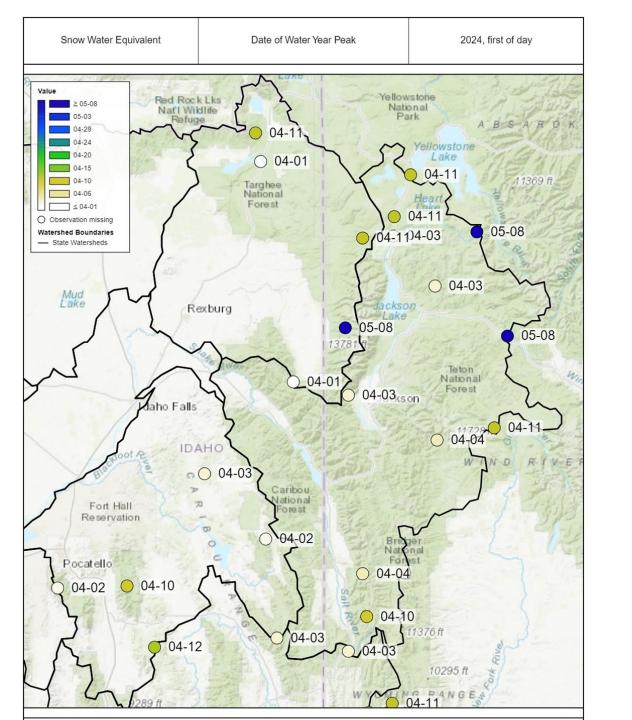
• The green 'X' which is the 30-year median SWE peak for this basin

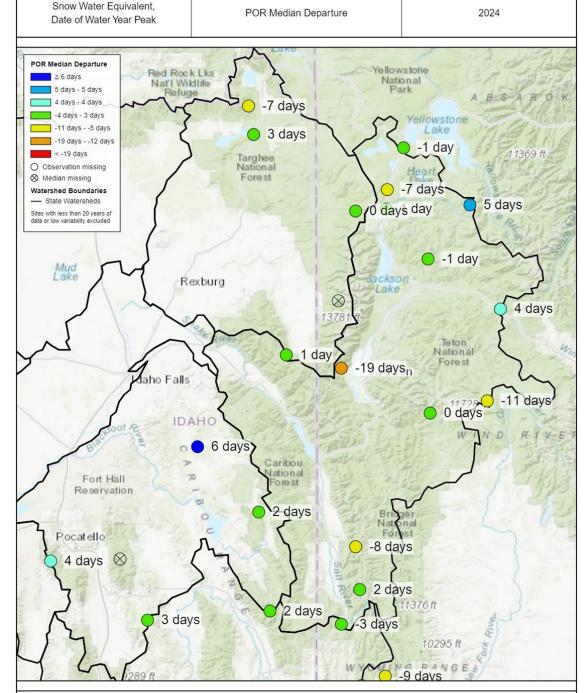
SNOW WATER EQUIVALENT IN SNAKE RIVER ABOVE HEISE



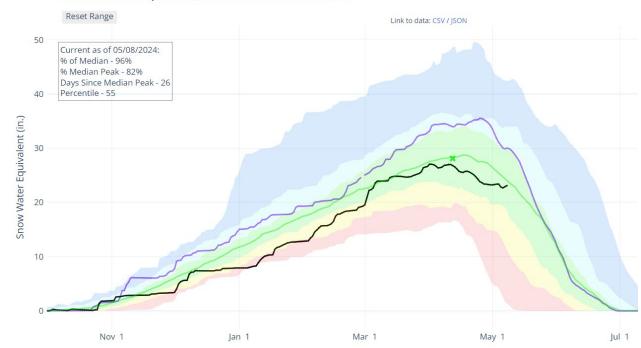




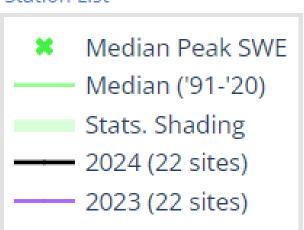




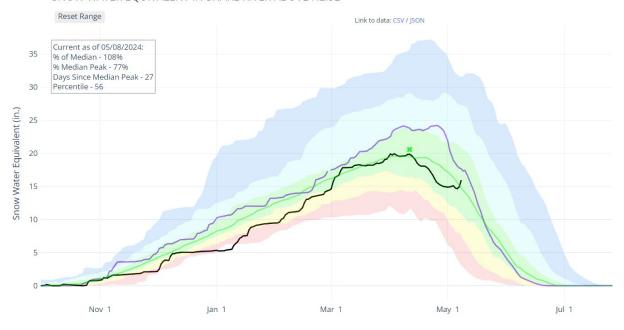
SNOW WATER EQUIVALENT IN HENRYS FORK-TETON



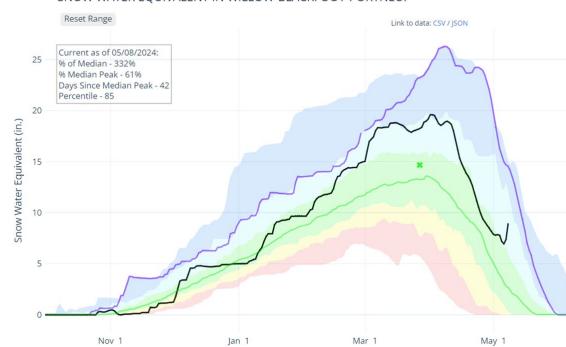
Station List

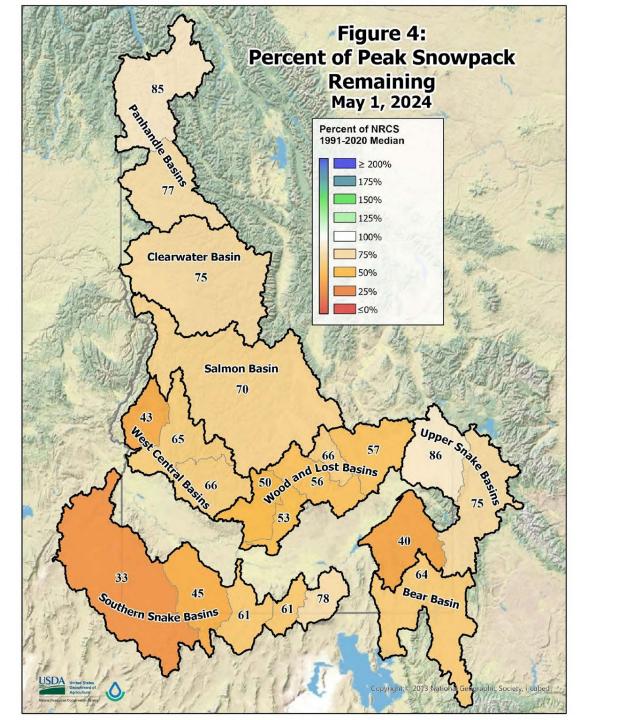


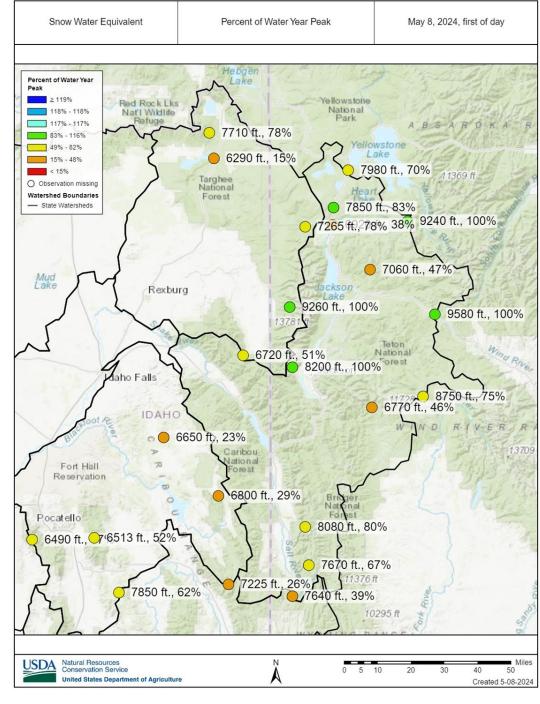
SNOW WATER EQUIVALENT IN SNAKE RIVER ABOVE HEISE



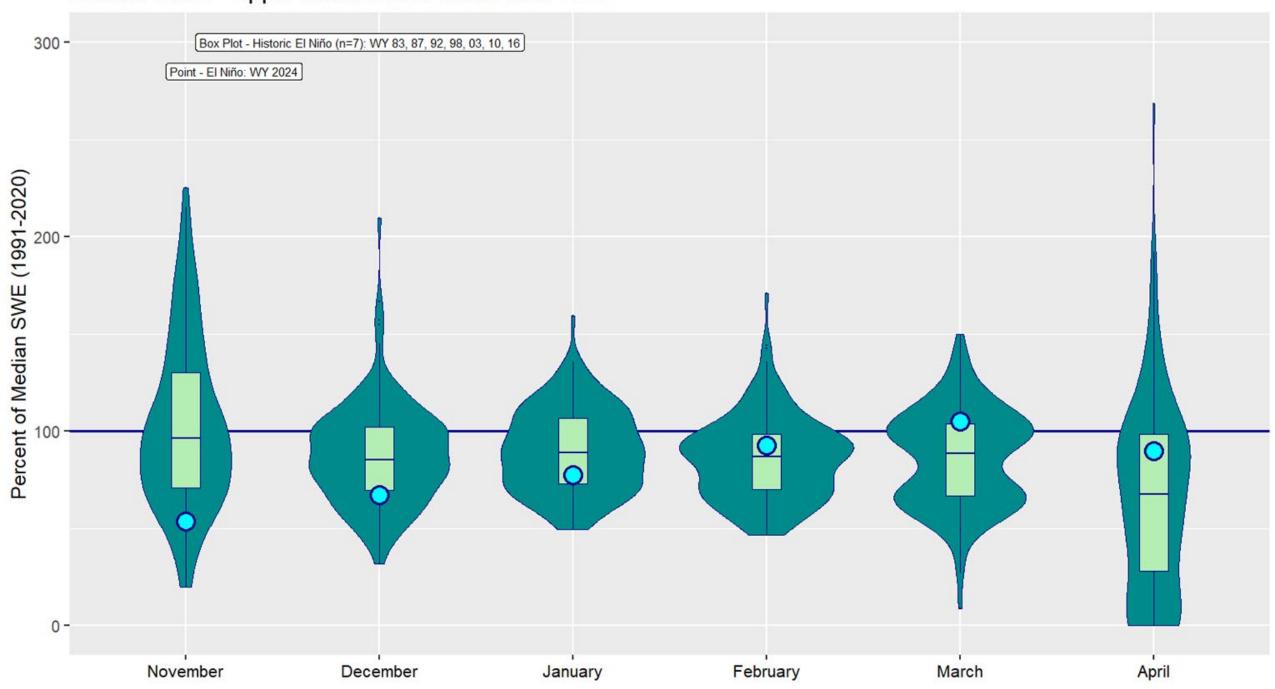
SNOW WATER EQUIVALENT IN WILLOW-BLACKFOOT-PORTNEUF



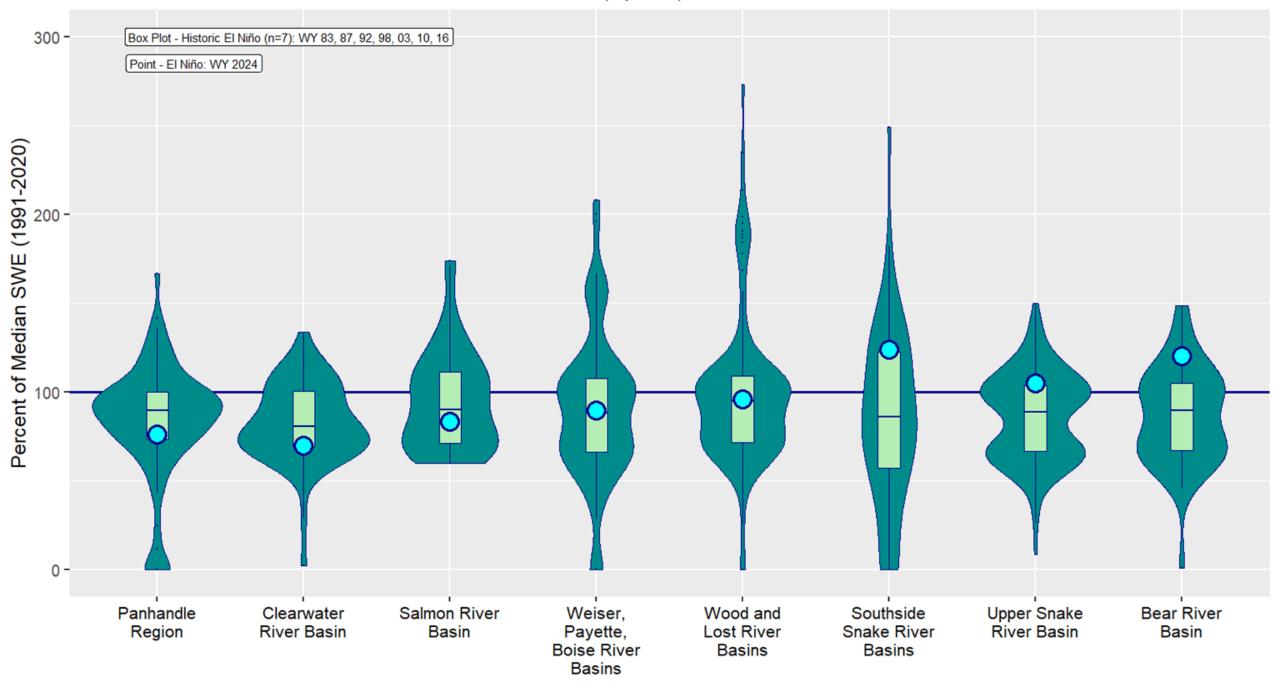




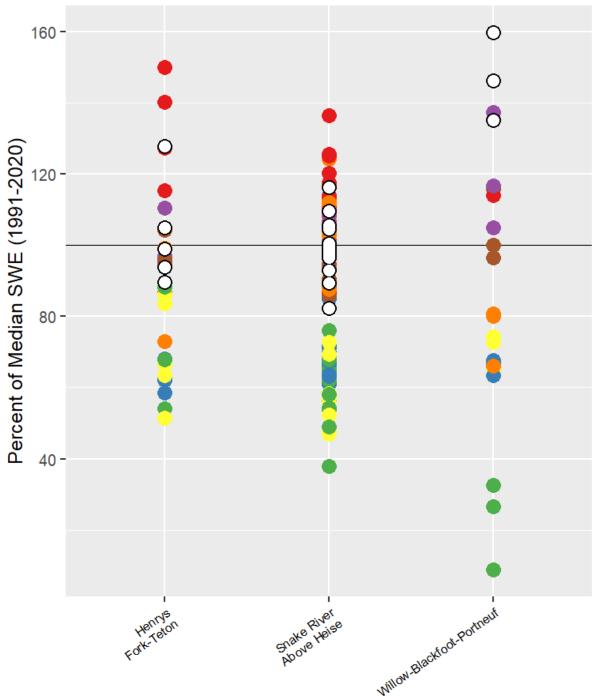
El Niño SWE - Upper Snake River Basin SNOTEL



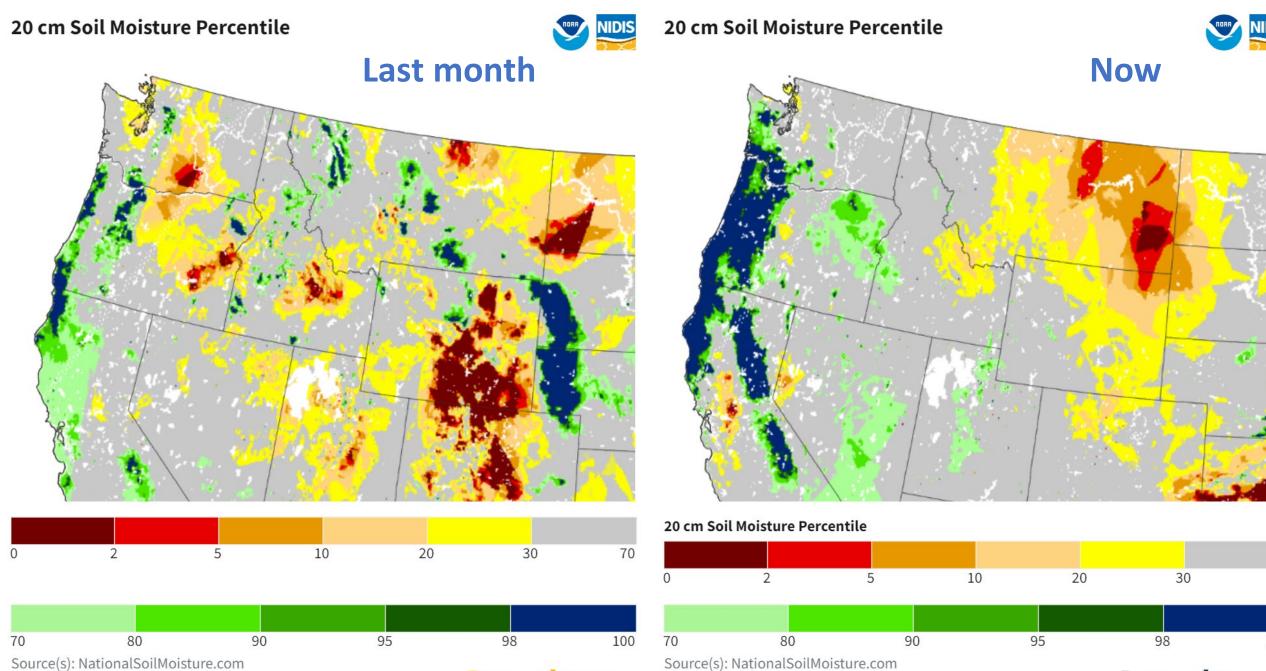
El Niño SWE - Idaho SNOTEL Sites - Late Winter (April 1)







year

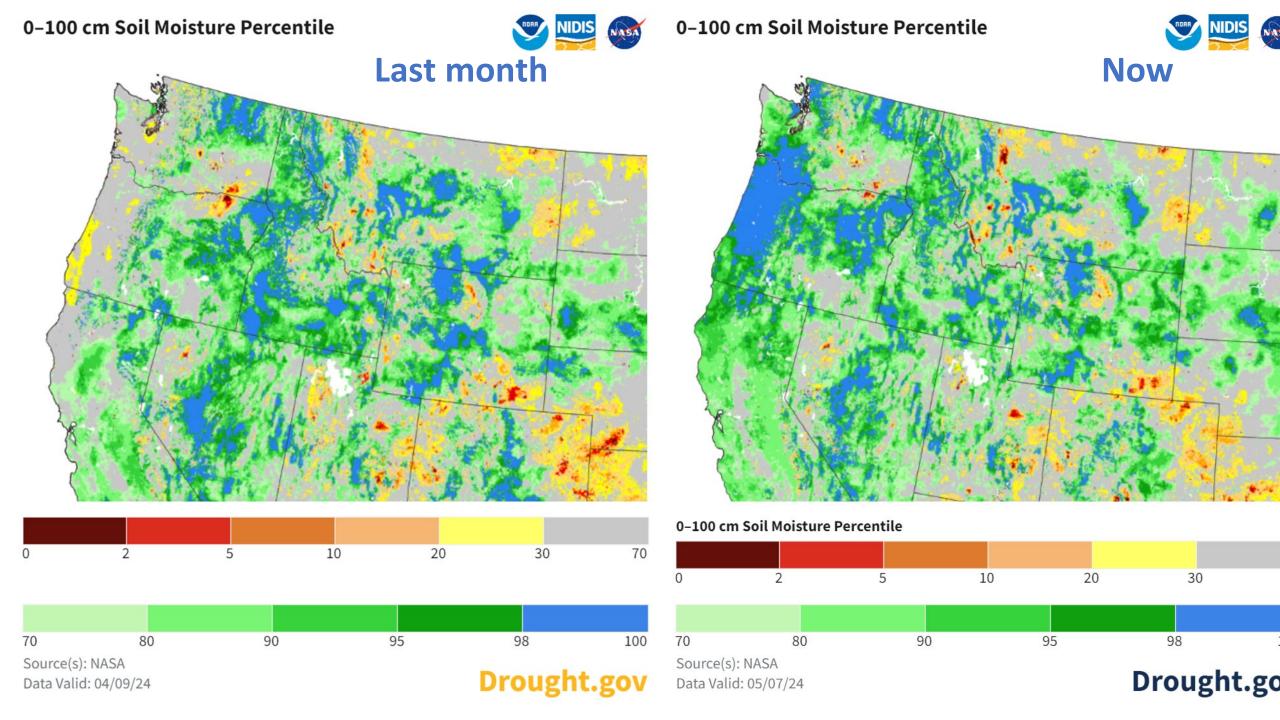


Data Valid: 05/04/24

Drought.gov

Data Valid: 04/06/24

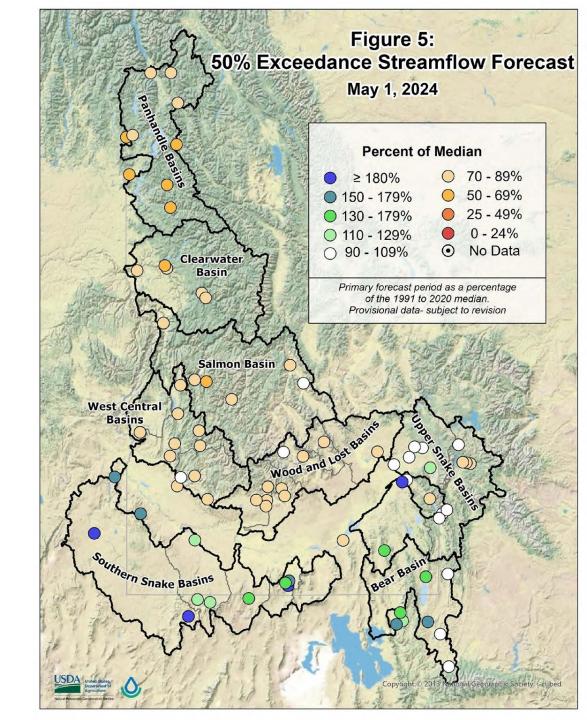
Drought.go

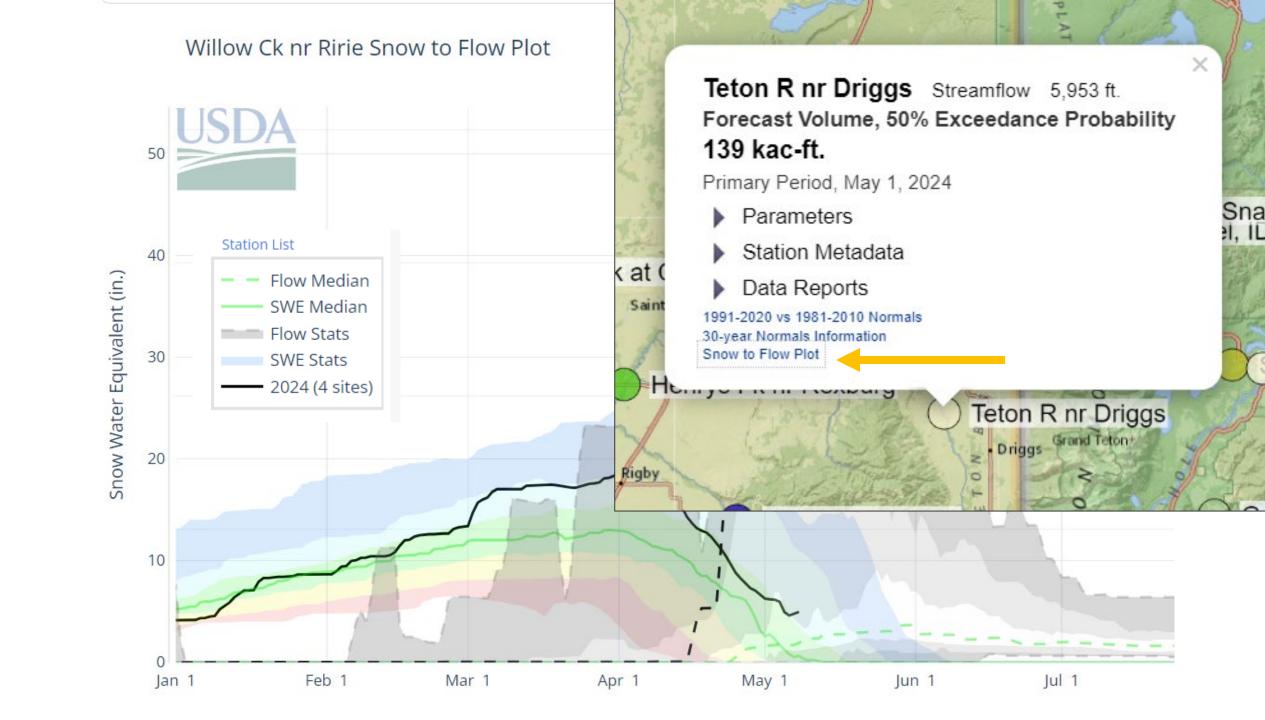


May 1, May to July Median Forecast

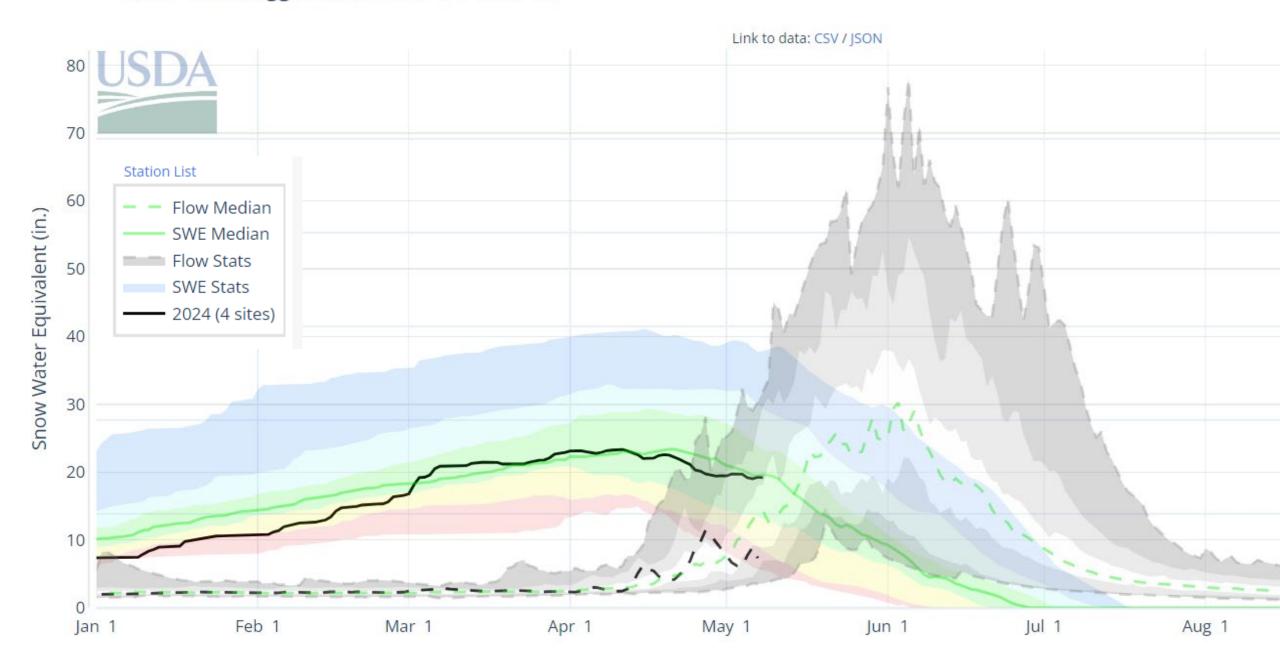
Forecast Point	KAF	% *normal
NF Clearwater (Dworshak Inflow)	1110	64%
Salmon R at Salmon	545	80%
Boise R nr Boise	690	82%
Big Wood bl Magic Dam	94	79%
Big Lost R at Howell	115	92%
Snake R nr Heise	2460	90%
Oakley Inflow	21	179%
Salmon Falls nr San Jacinto	52	130%
Owyhee R nr Rome	210	186%

^{*}normal climatological reference is based on 1991-2020 NRCS **median streamflow** data

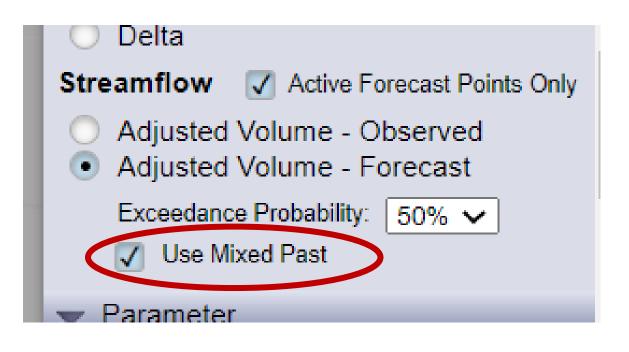


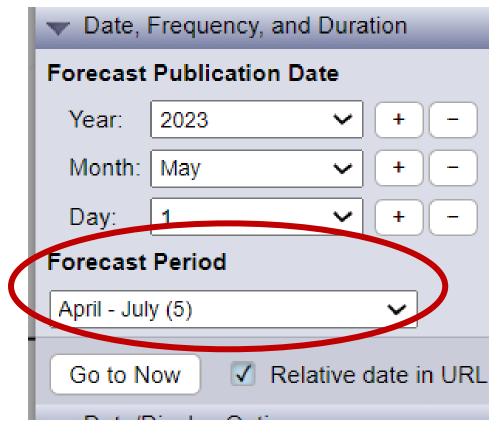


Snake R at Flagg Ranch Snow to Flow Plot



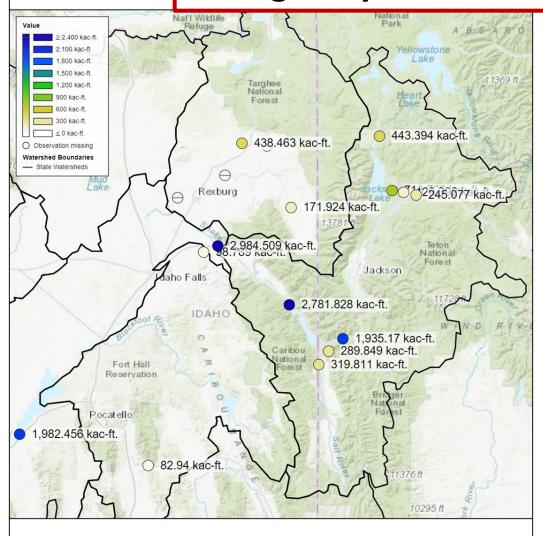
Comparing streamflow forecasts on Imap...



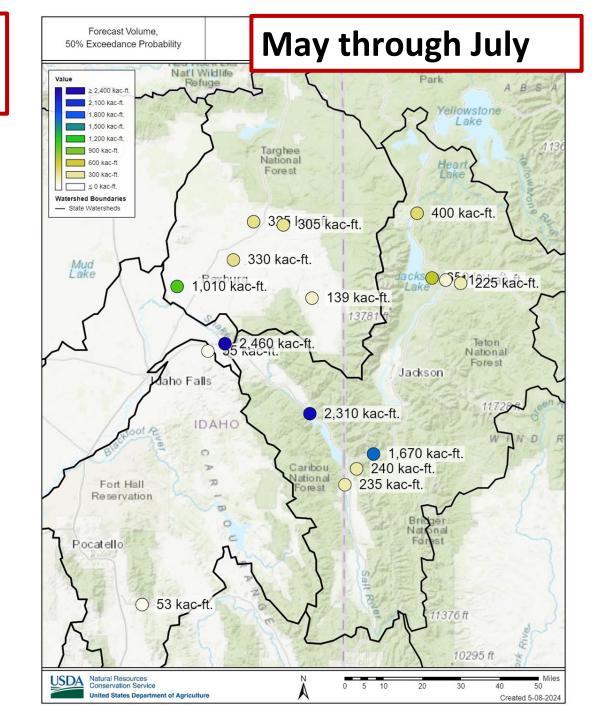


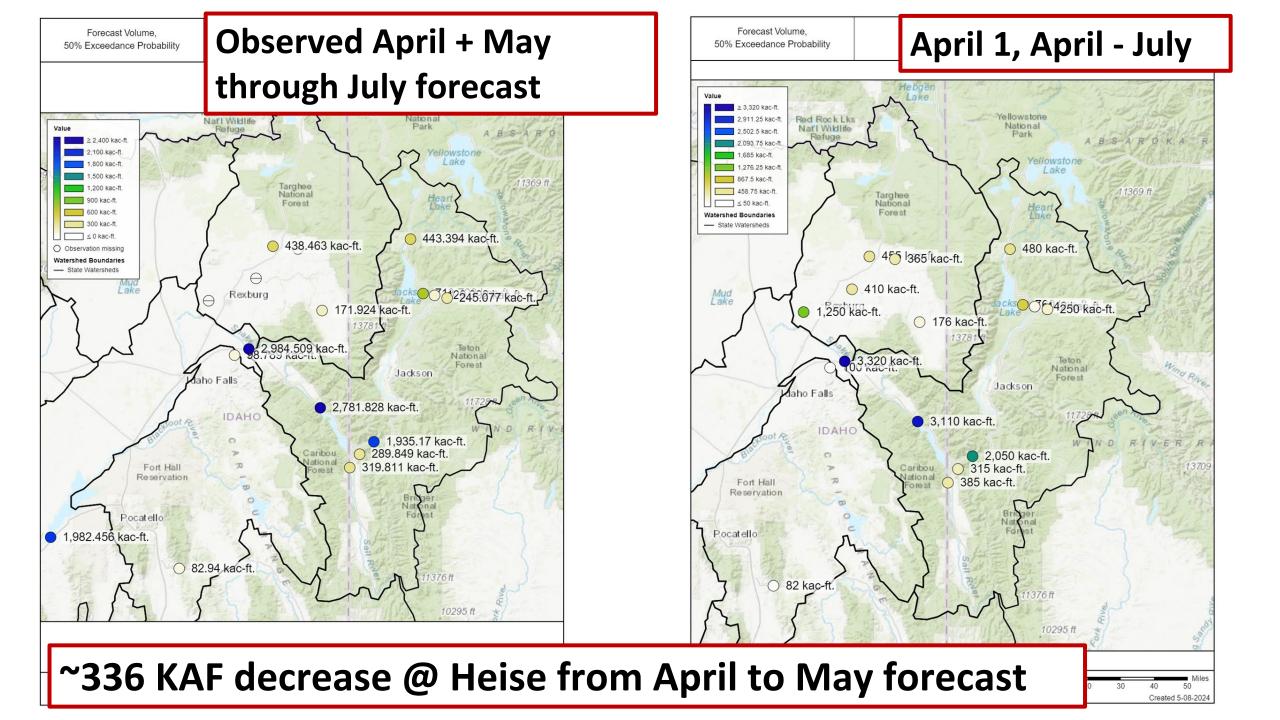
Observed April + May 50% Exceedance Probability through July forecast

Forecast Volume



~525 KAF @ Heise in April







Natural Resources Conservation Service

Idaho Water Supply Outlook Report May 1, 2024



John Wilford prepares to measure sample point #5 at the Mores Creek Summit Snow Course
Pictured: John Wilford, Photo Credit: Danny Tappa, 4/30/2024

As we transition to spring and the snow disappears until next season, the NRCS Idaho Snow Survey team will also be going through a period of transition. John Wilford, lead Electronic Technician for the Idaho Snow Survey, will be hanging up his skis and work boots at the end of this month. After nearly 10 years of service with NRCS Idaho Snow Survey, 20 years total service with USDA, and a military veteran, John's retirement is much deserved. During his tenure with Snow Survey, he oversaw the installation of four new SNOTEL stations, seven new SNOLITE stations, and the rebuild of one SNOTEL station post fire (Soldier R.S.). In addition, John oversaw the most meaningful infrastructure upgrade to the Idaho SNOTEL network in several decades – the complete overhaul of our telemetry systems to modern (cell, satellite) forms of remote data communications, resulting in more consistent and reliable data delivery to our many users. Over the last 10 years, if your favorite SNOTEL station went offline, it's more than likely John was the one who was directly involved in its repairs!

 May is last water supply outlook report

 Stay tuned in for end of water year report in October

John Wilford retirement

Natural Resources Conservation Service nited States Department of Agriculture

Thank you!

https://www.nrcs.usda.gov/idaho/snow-survey



Erin Whorton

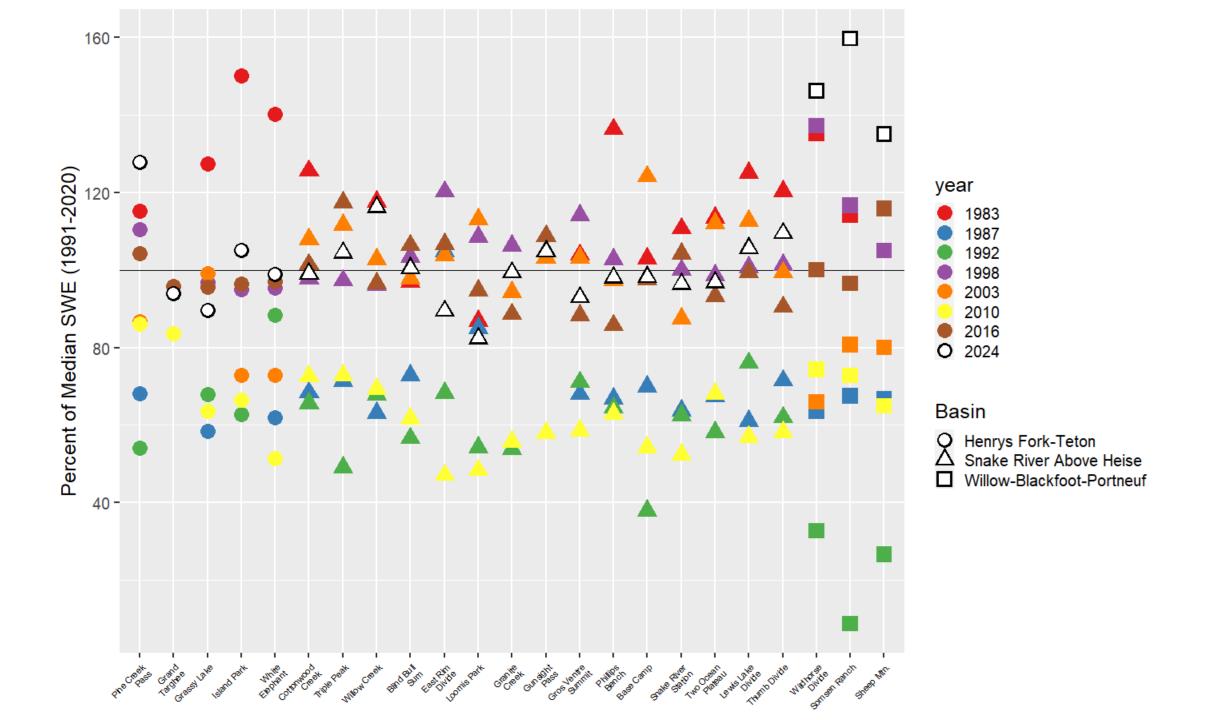


erin.whorton@usda.gov

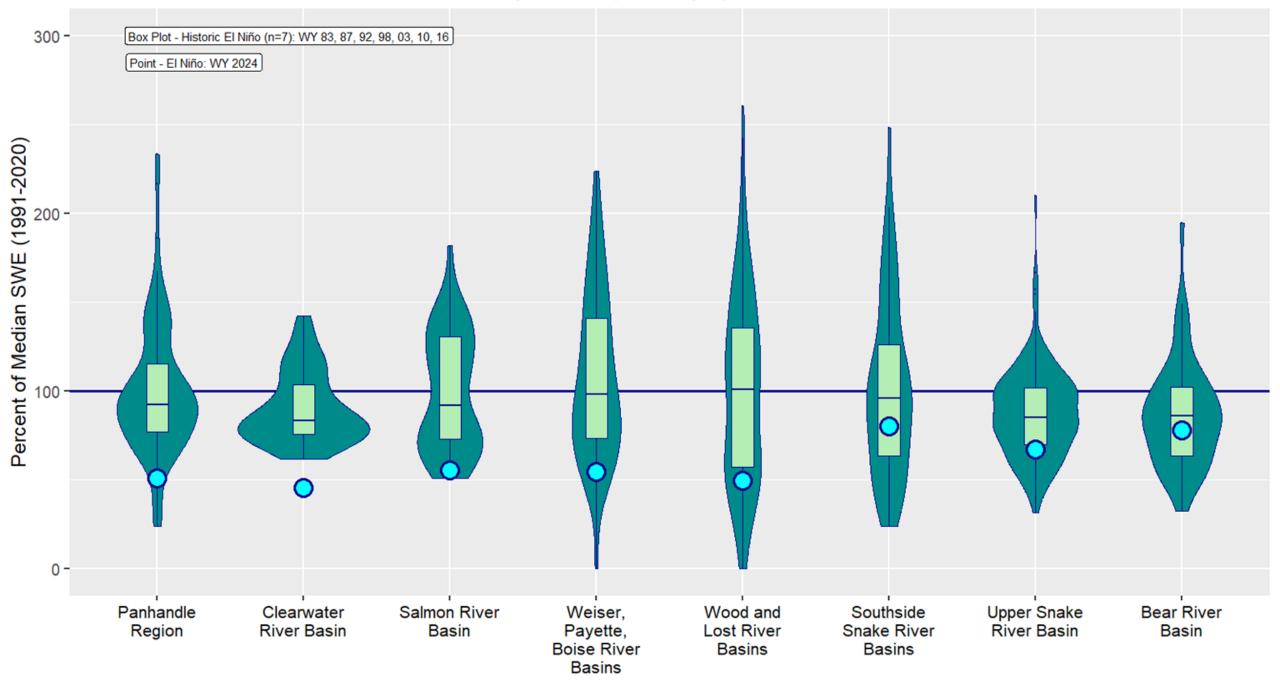


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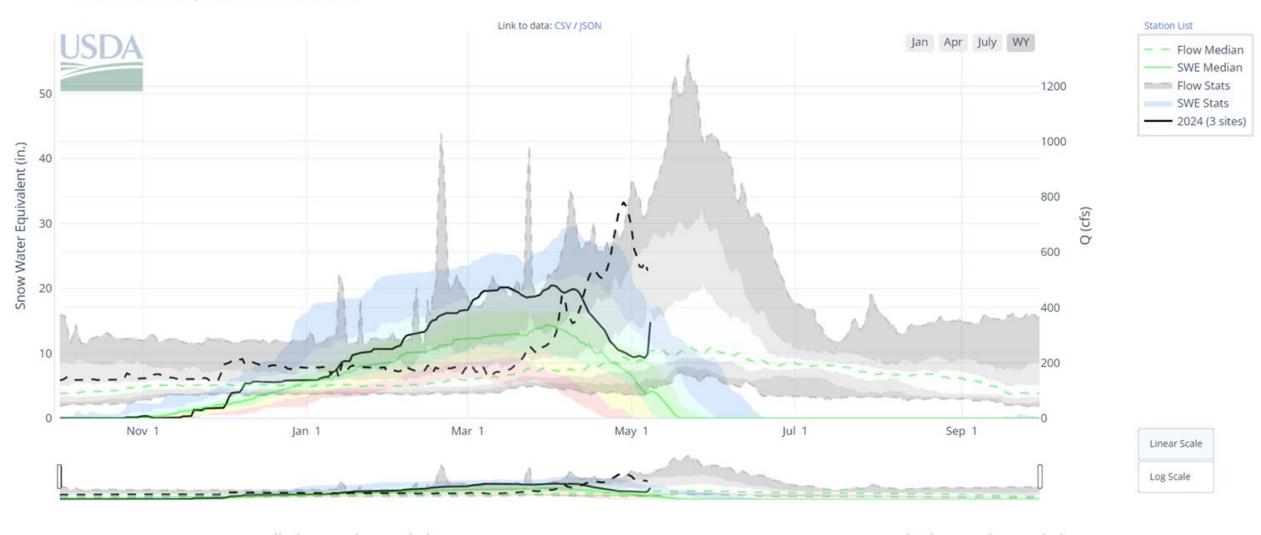




El Niño SWE - Idaho SNOTEL Sites - Early Winter (January 1)



Portneuf R at Topaz Snow to Flow Plot





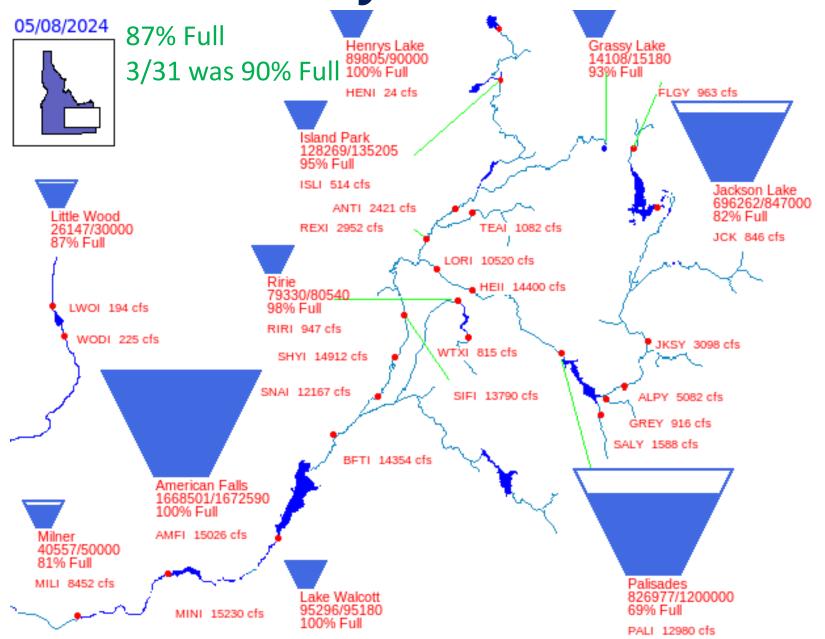
Upper Snake Advisory Committee Meeting Upper Snake Operations Update

May 9, 2024



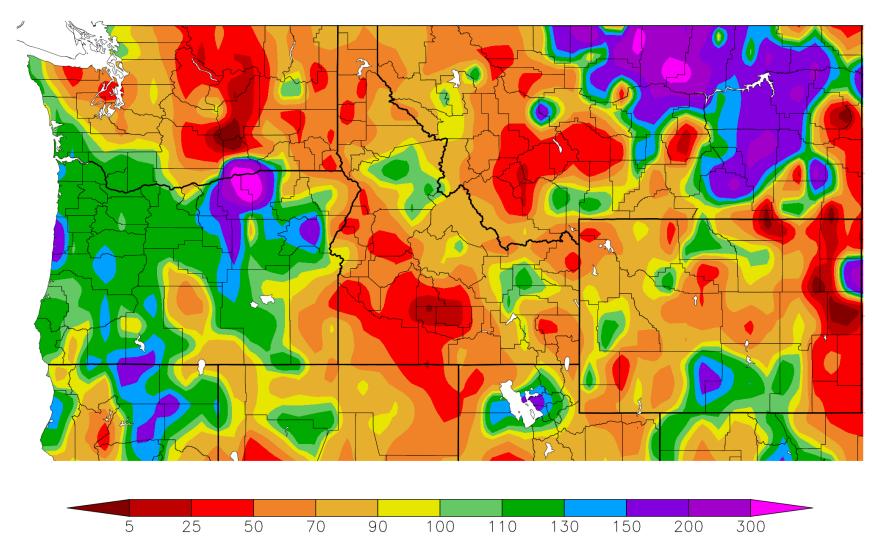
Presenter: Brian Stevens

Reservoir System Conditions





Percent of Normal Precipitation (%)4/9/2024 - 5/8/2024





May Forecast

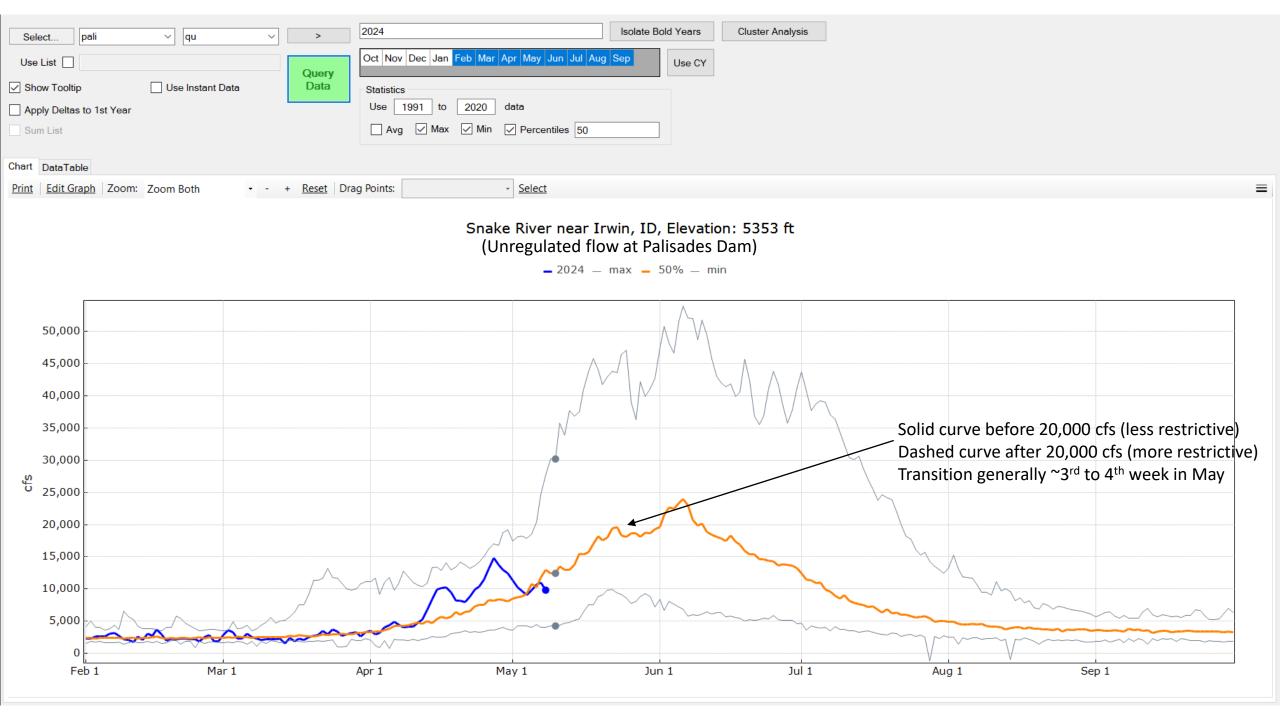
CURRENT MONTHLY FORECAST SUMMARY MAY 1, 2024

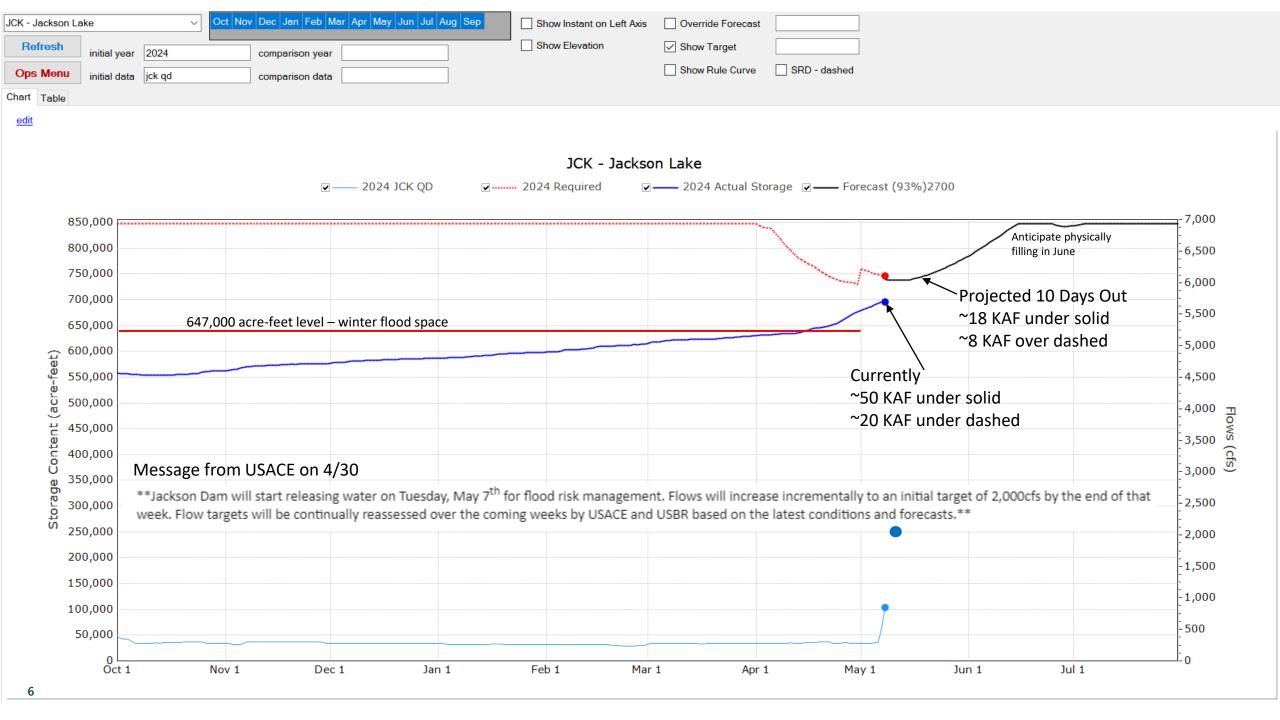
FORECAST POINT	FORECAST PERIOD	1991-2020 AVERAGE (KAF)	FORECAST (KAF)	PERCENT NORMAL
*** HEISE	MAY-JUL	2898	2700	93%
JACKSON LAKE	MAY-JUL	701	595	85%
ISLAND PARK	MAY-JUL	158	136	86%
TETON	MAY-JUL	303	305	101%
*** RIRIE	MAY-JUN	35	42	122%
*** LITTLE WOOD	MAY-JUL	52	38	74%

April Forecast PERCENT NORMAL 102% 95% 95% 95% 99% 145% 100%



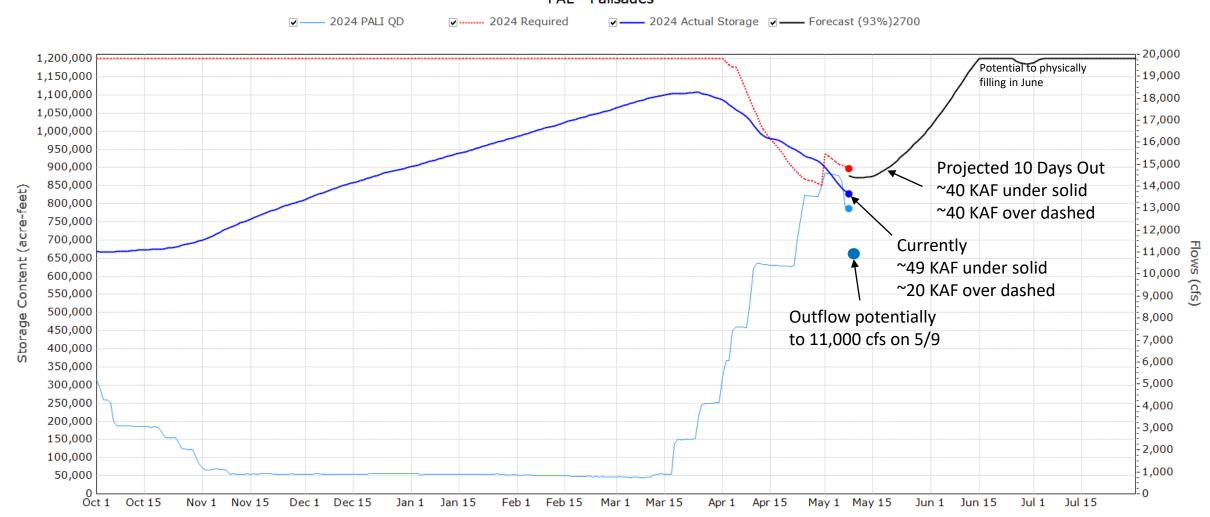
^{*} Coordinated with USACE





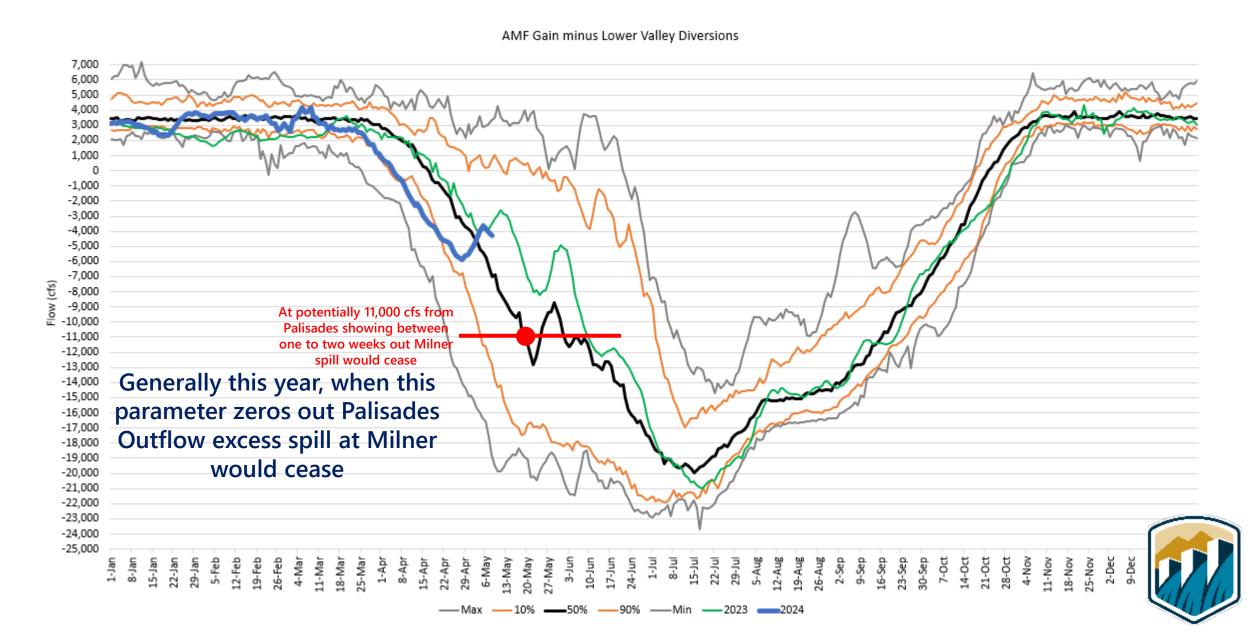


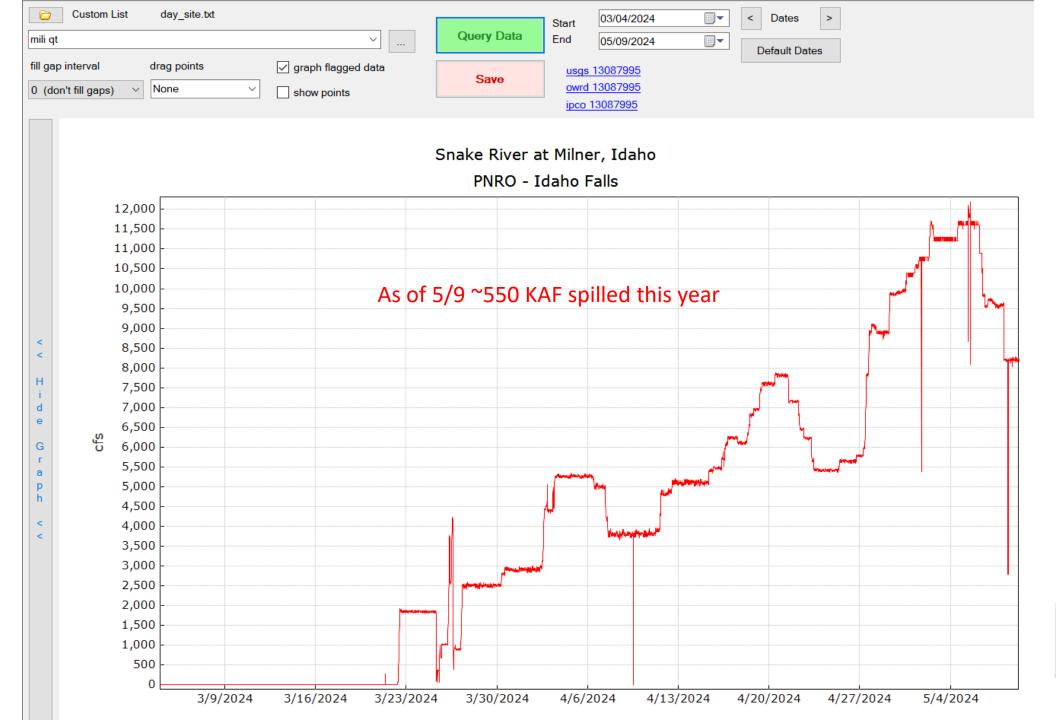
PAL - Palisades



edit

Timing of Milner Spill Ceasing







Upper Snake Flow Augmentation Outlook

- Average Apr-Sep Runoff: 3,851 KAF
- 2024 Apr-Sep Runoff: 3,928 KAF
- 2024 Rainbow Chart Rental: 150 KAF
- Approximately 20 KAF uncontracted space to be utilized
- Total of approximately 170 KAF in 2024 to be delivered downstream of Milner Dam sometime in the spring

WY 2024-

October 31st	April 1	to Sept 30	Heise Fore	cast (100	0s AF)
Midnight	0	2,920	3,450	4,208	5,042
Carryover	to	to	to	to	or
1000s AF	2,919	3,449	4,207	5,041	greater
0 - 599	0	0	0	150000	185000
600 - 899	0	0	60000	150000	185000
900 - 1499	0	60000	60000	150000	185000
1500 - 2099	0	100000	150000	185000	185000
2100 - 2599	0	100000	150000	205000	205000
2600 - 2999	0	185000	185000	205000	205000
3000 - 3199	60000	185000	185000	205000	205000
> 3199	100000	185000	185000	205000	205000

TABLE 1: Water District 1 Flow Augmentation Rental Chart

Upcoming Meetings

- Friday May 17 River Operations Subcommittee Meeting
- Thursday May 23 Jackson Lake Public Information Meeting
- Friday May 24 Windshield Snow Survey



For More Information

Snake River Area Office

Lanie Paquin (Mike Hilliard Acting) -

Area Manager

208-383-2246

mpaquin@usbr.gov

Upper Snake Field Office

Mike Hilliard (Ben Cano Acting) – Assistant Area Manager

208-678-0461 (x34)

mhilliard@usbr.gov

David Child – Natural Resources Manager (x15)

dchild@usbr.gov

Brian Stevens – Water Operations Supervisory Civil Engineer (x24)

bstevens@usbr.gov

Jeremy Dalling - Water Operations Civil Engineer (x25)

jdalling@usbr.gov

Darrin Fredrickson - Staff Assistant (x17)

dfredrickson@usbr.gov

Snake River Operations Web Sites

Upper Snake water information site -

http://www.usbr.gov/pn/hydromet/uppersnake/index.html

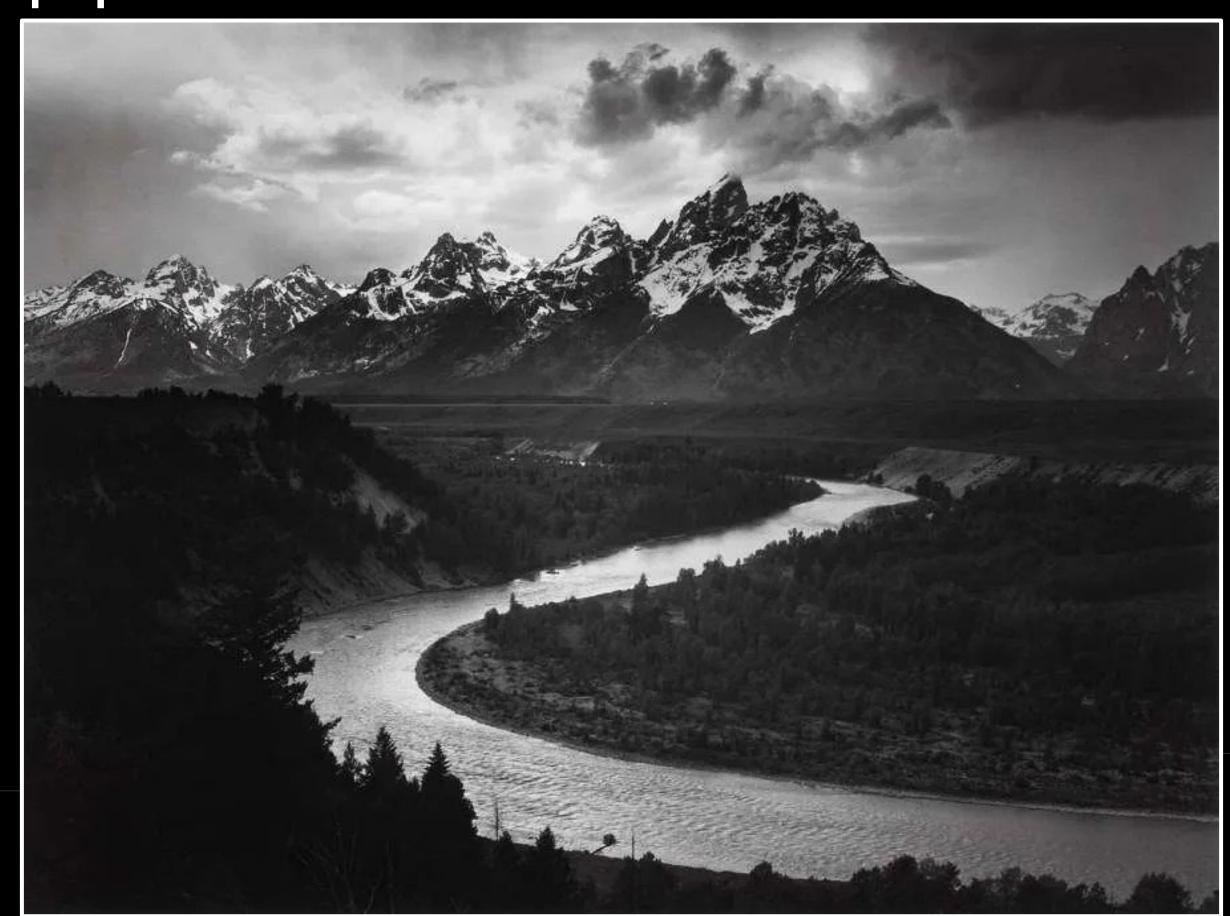
USBR HydroMet - http://www.usbr.gov/pn/hydromet/

Northwest River Forecast Center - http://www.nwrfc.noaa.gov/rfc/

NRCS SNOTEL Data - http://www.id.nrcs.usda.gov/snow/

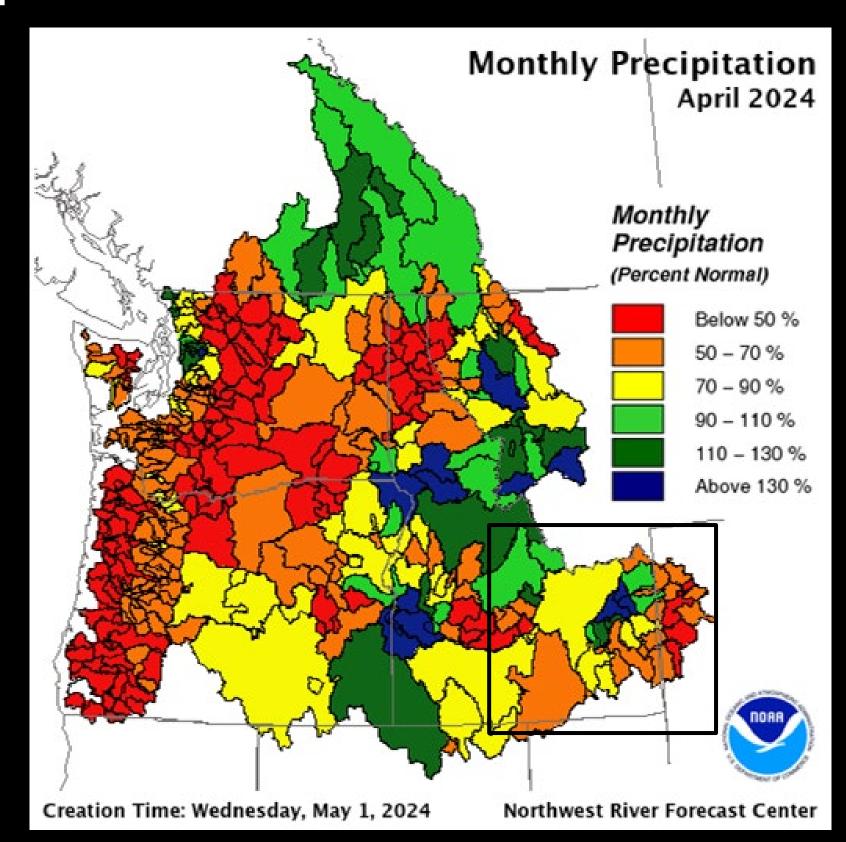


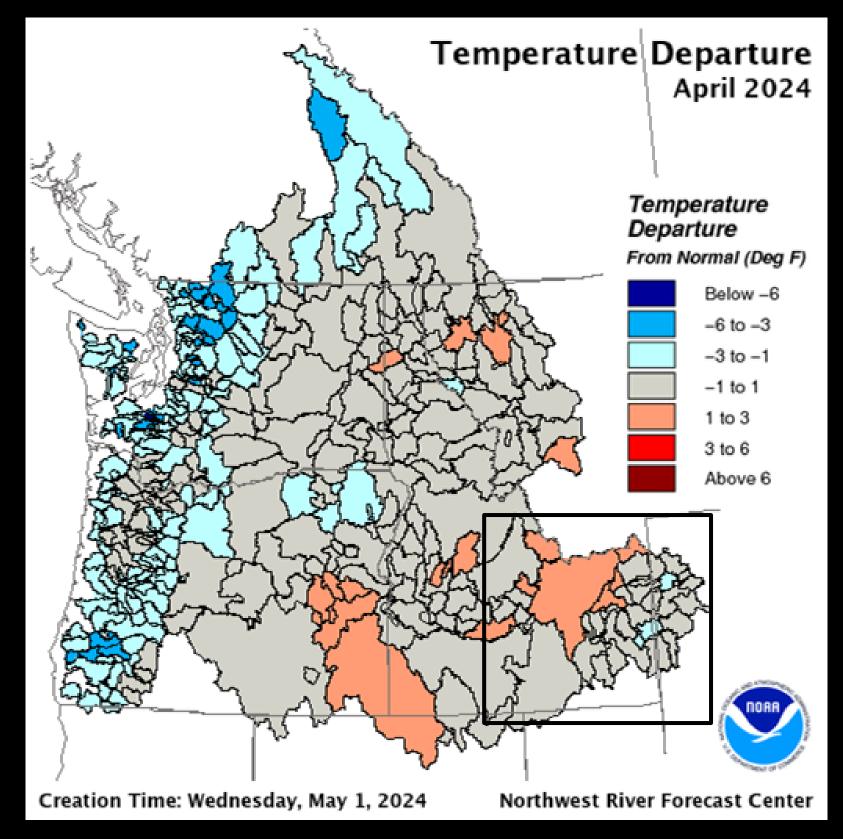
Upper Snake Weather Outlook



National Weather Service Pocatello, Idaho May 9, 2024

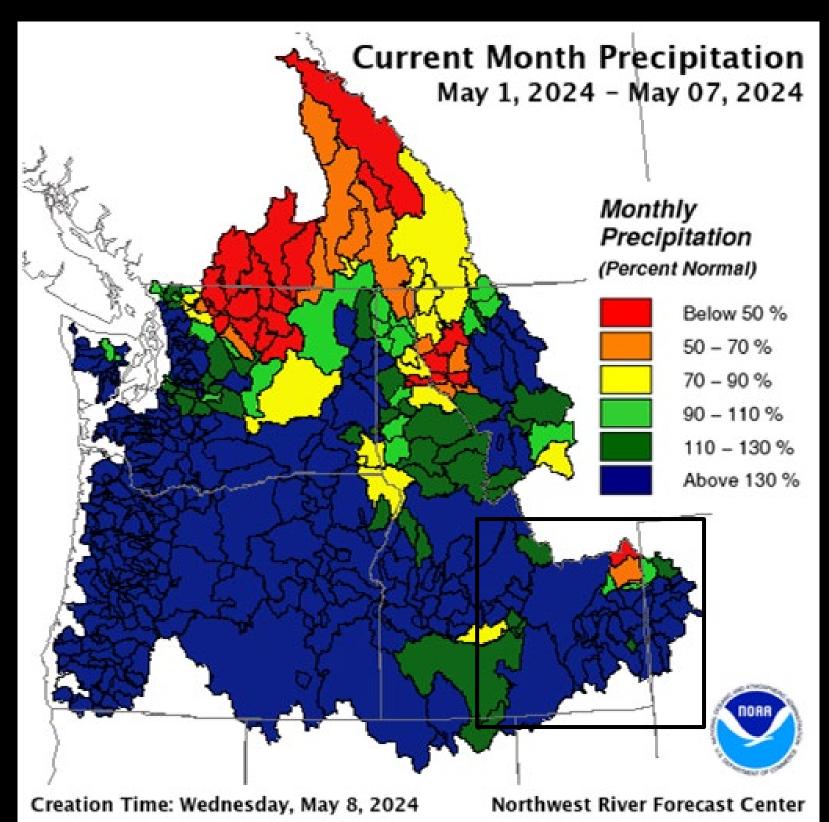
April - Hit & Miss

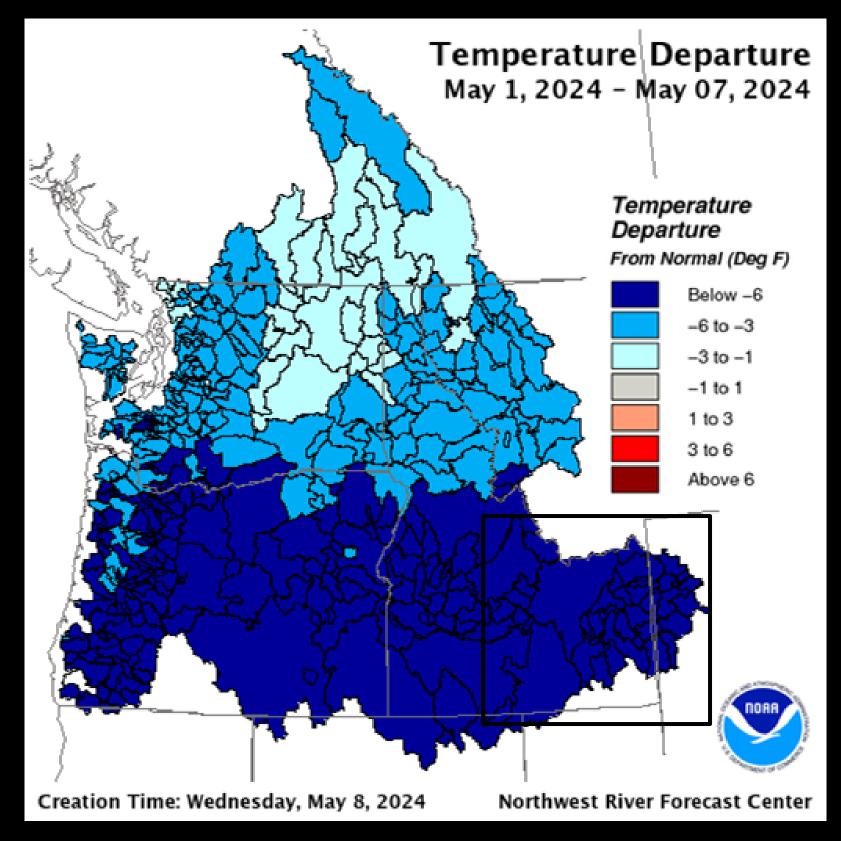






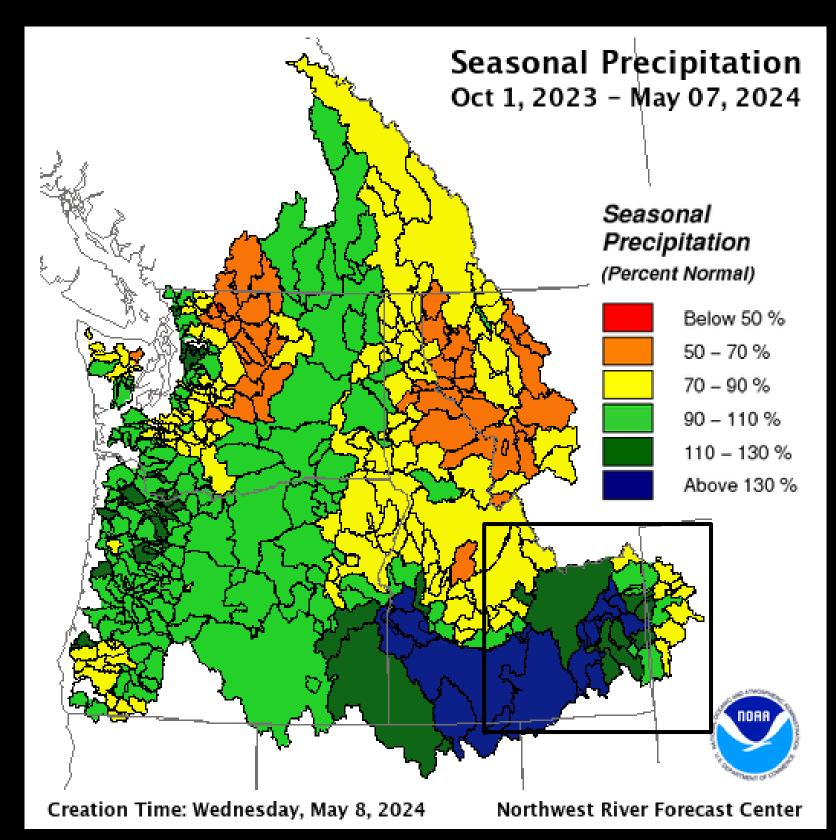
May So Far...

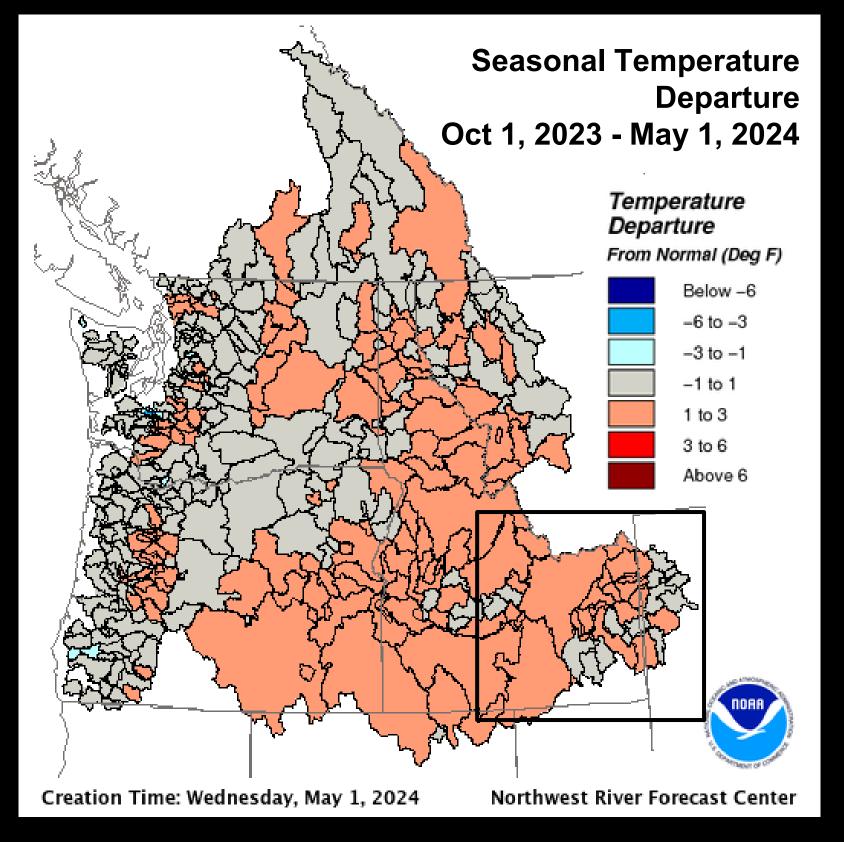






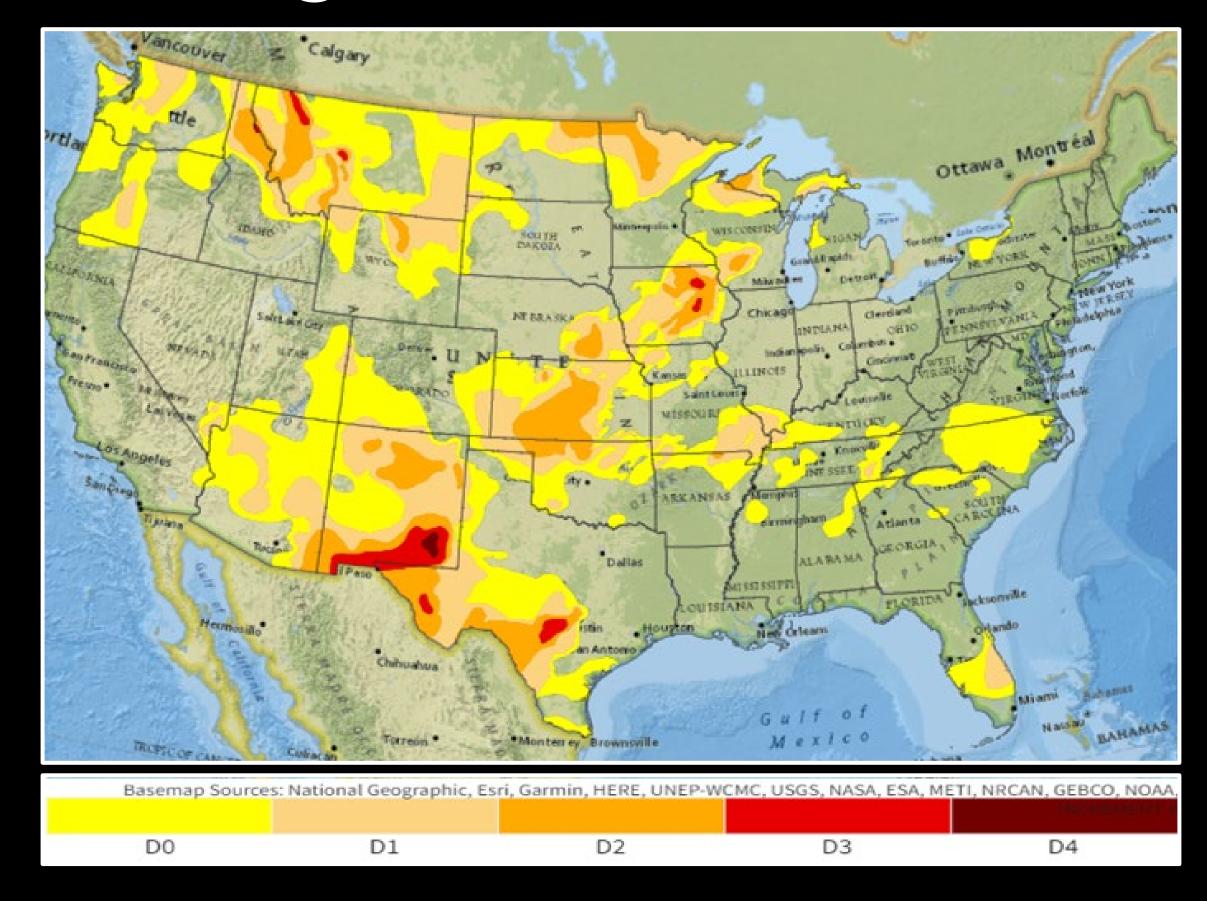
Warmer than Average, but also Wet





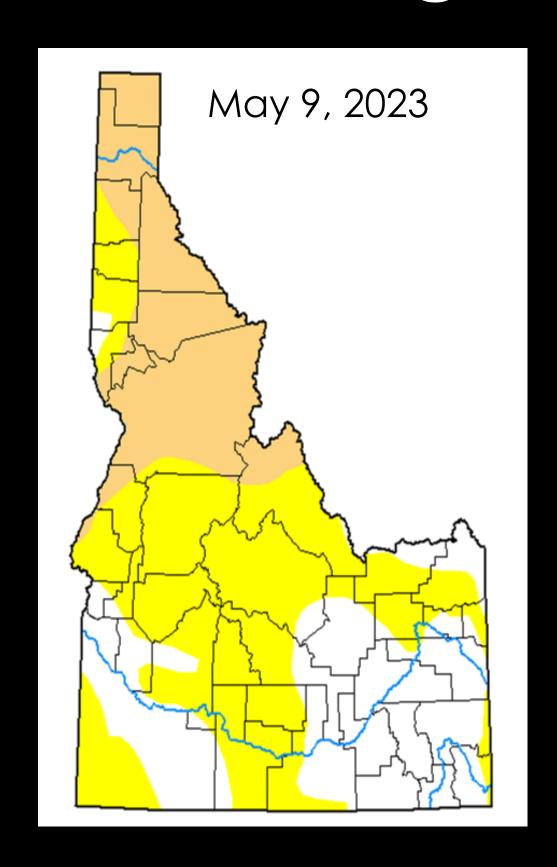


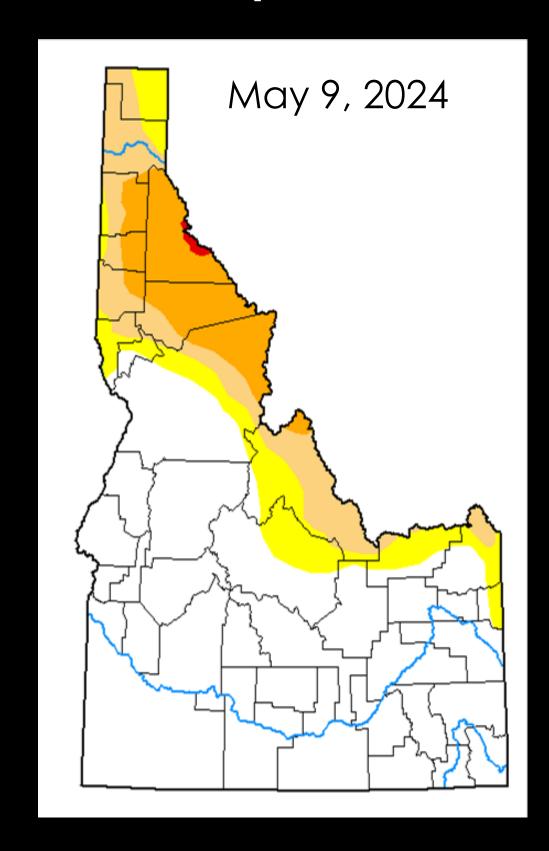
Current Drought - National

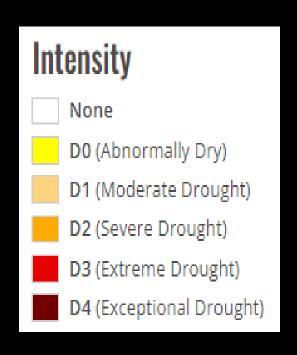




Current Drought Comparison

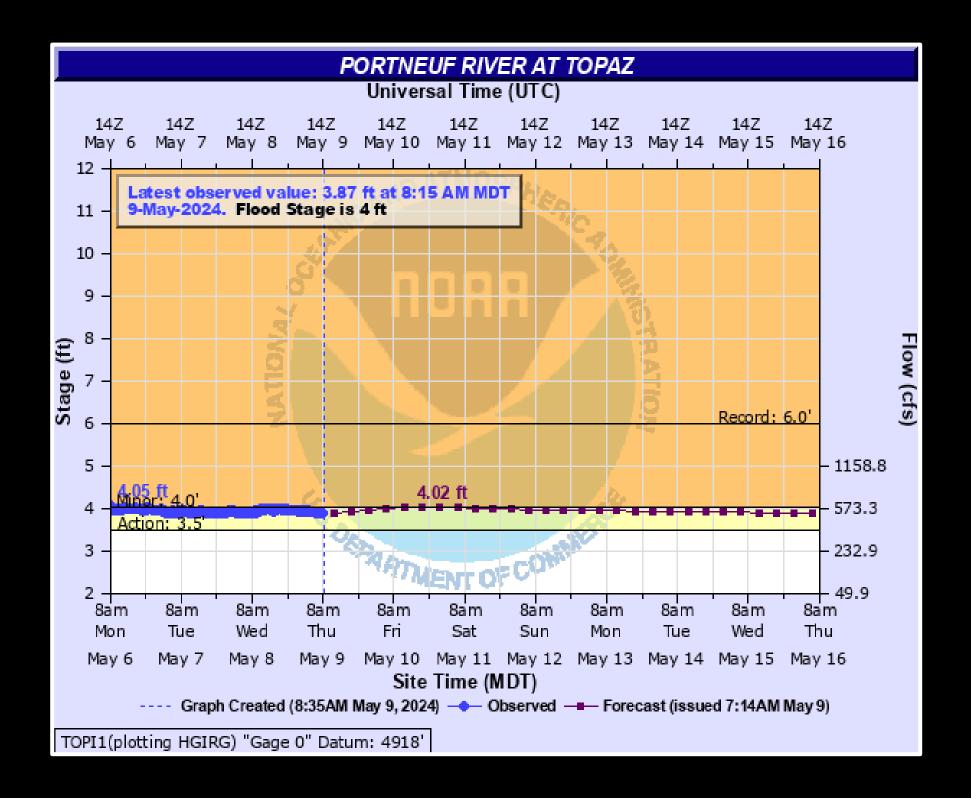


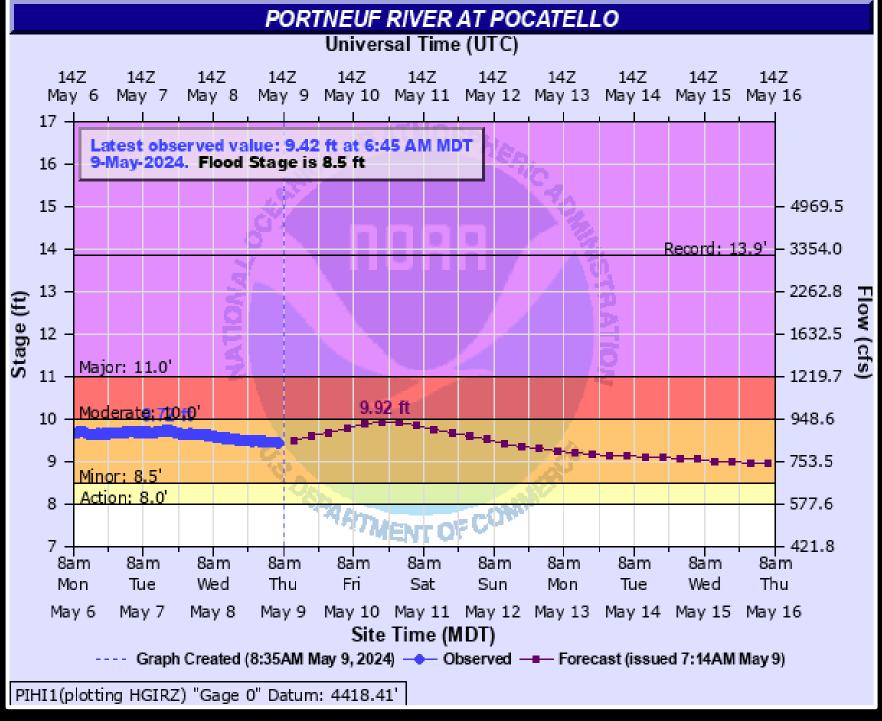






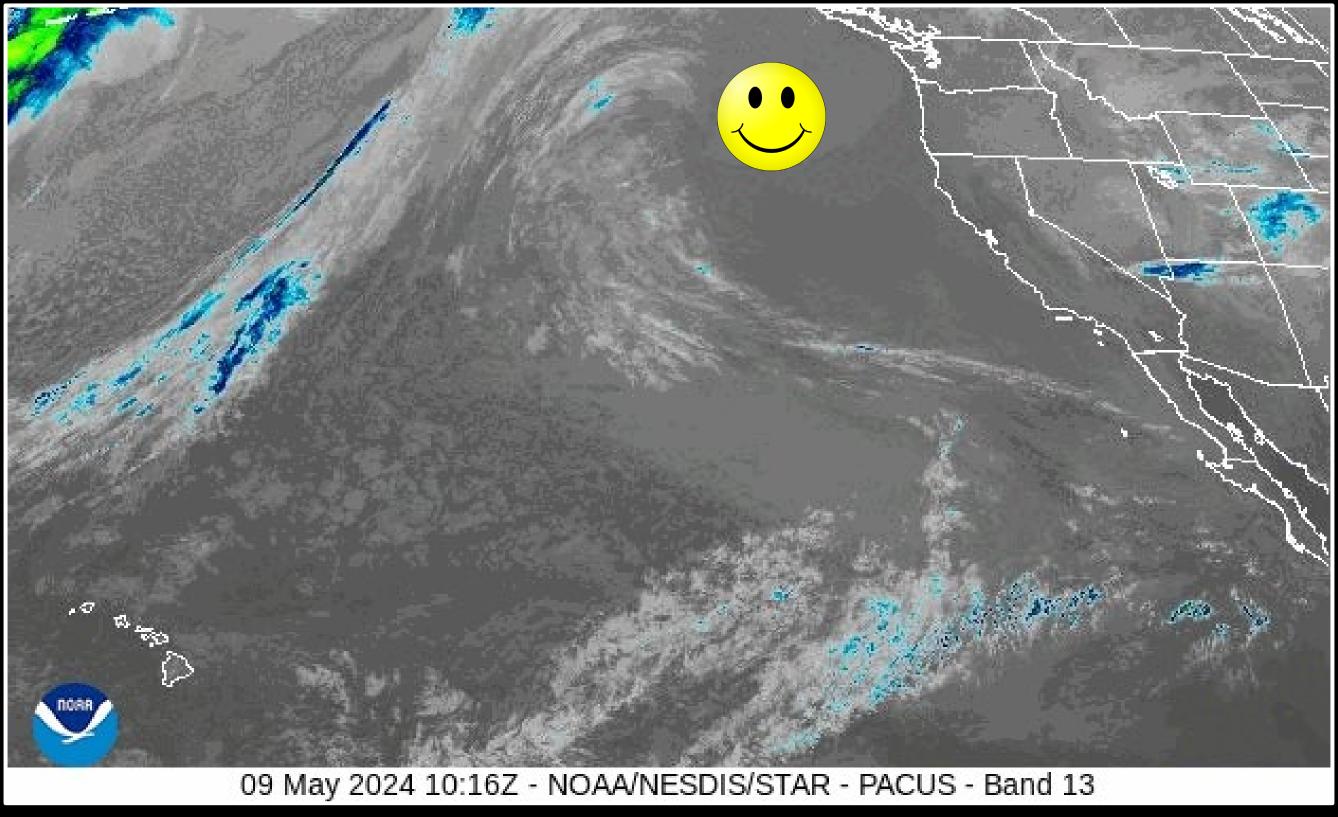
River Levels: Portneuf River







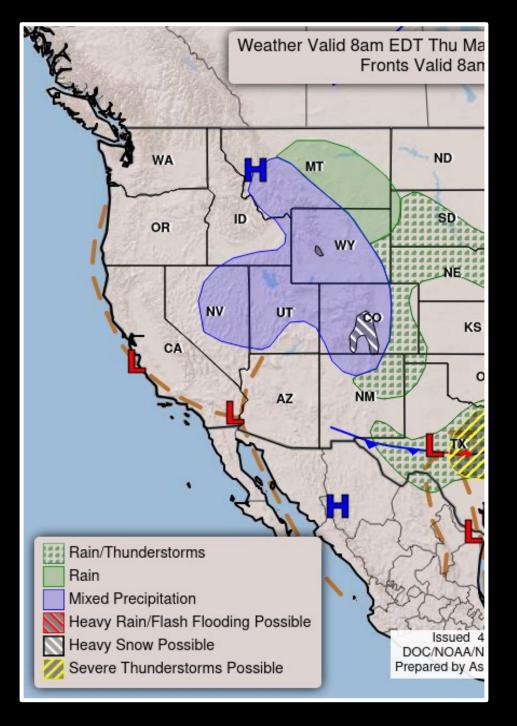
Current Satellite



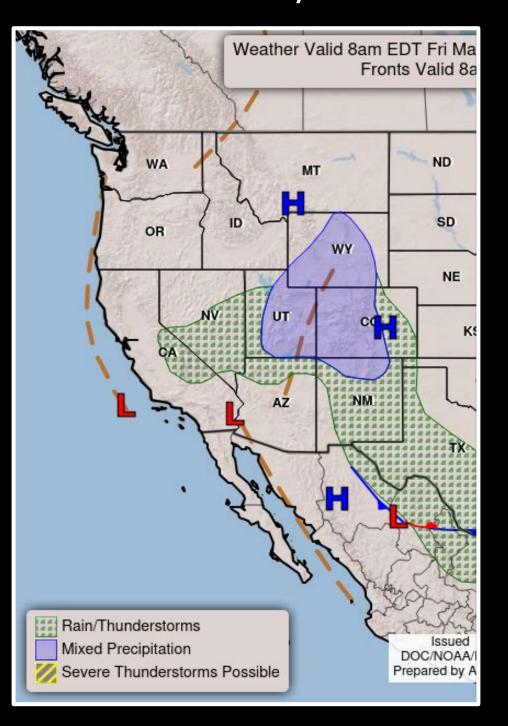


Upcoming Weather Pattern

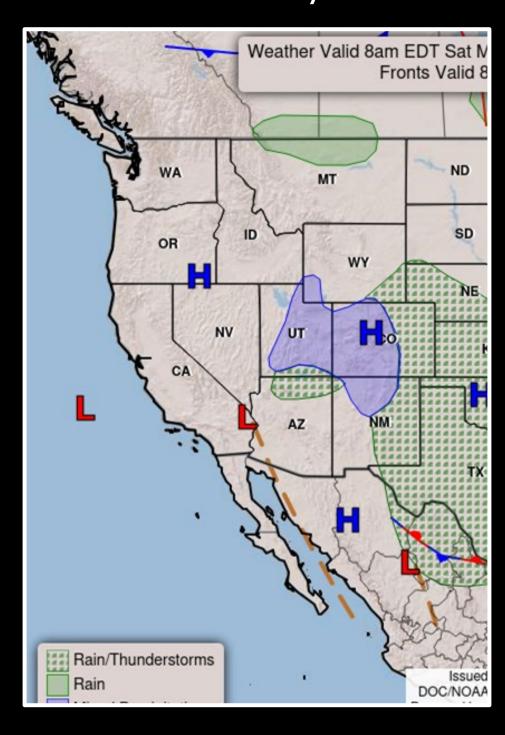
Today



Friday



Saturday





Short Term Forecast

High Elevation Forecast (Teton Pass)

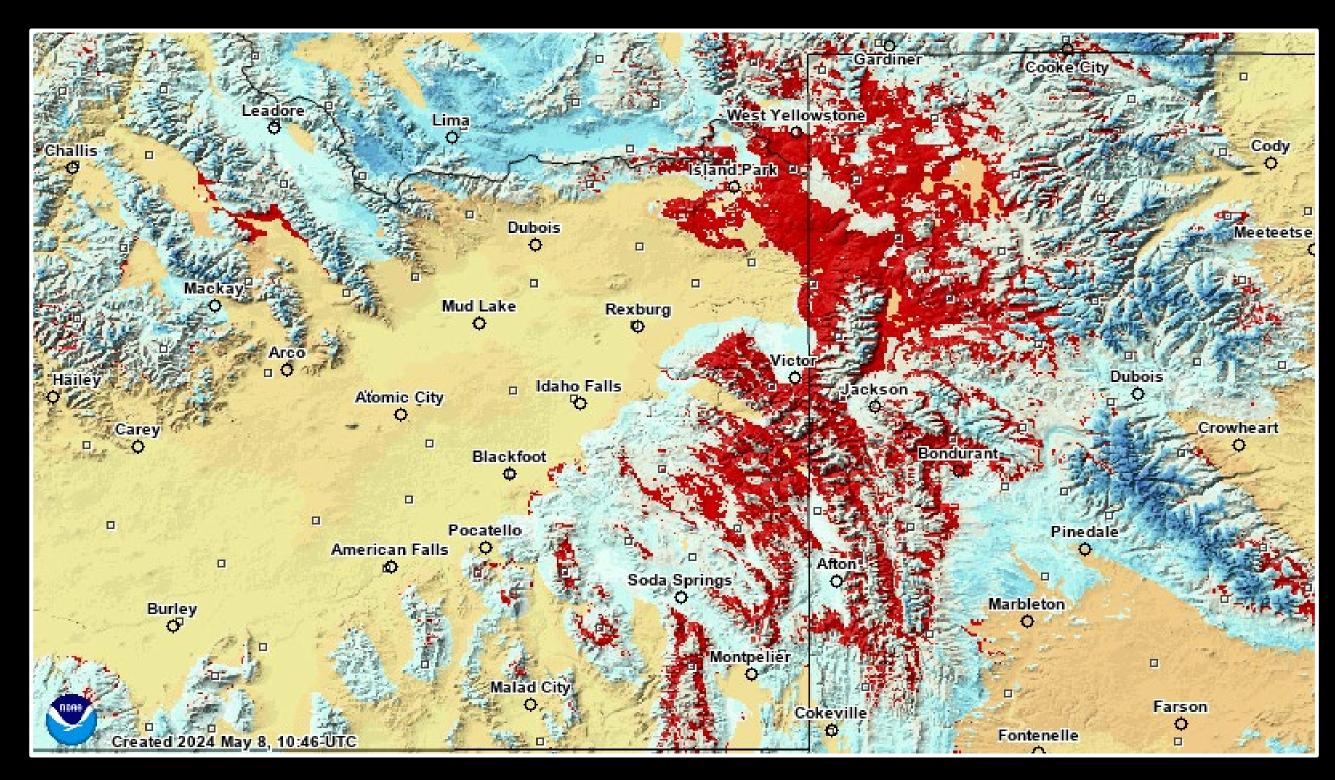


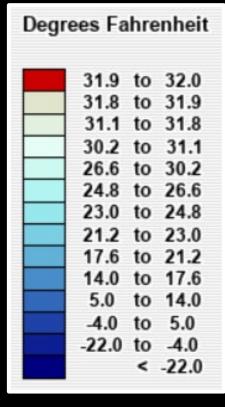
Low Elevation Forecast (Pocatello)





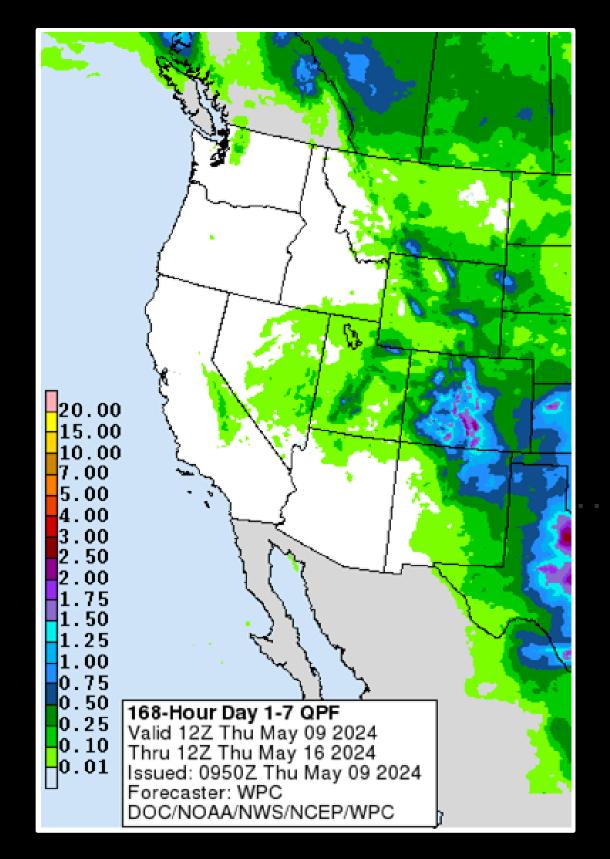
Snow Temperature - Ripe & Ready!

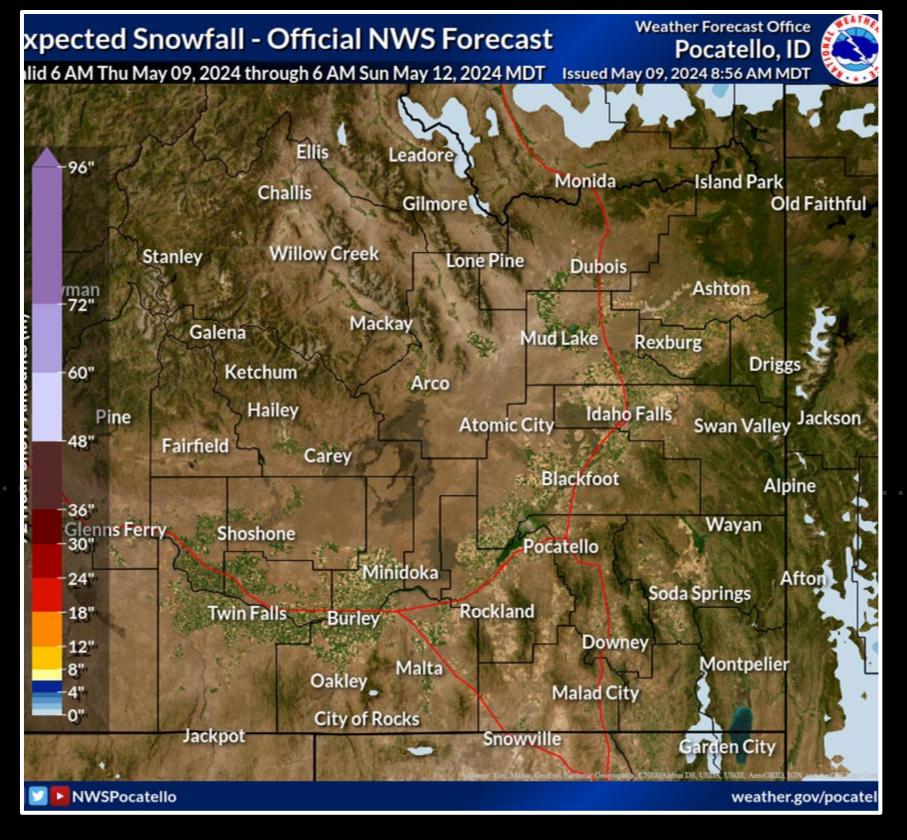






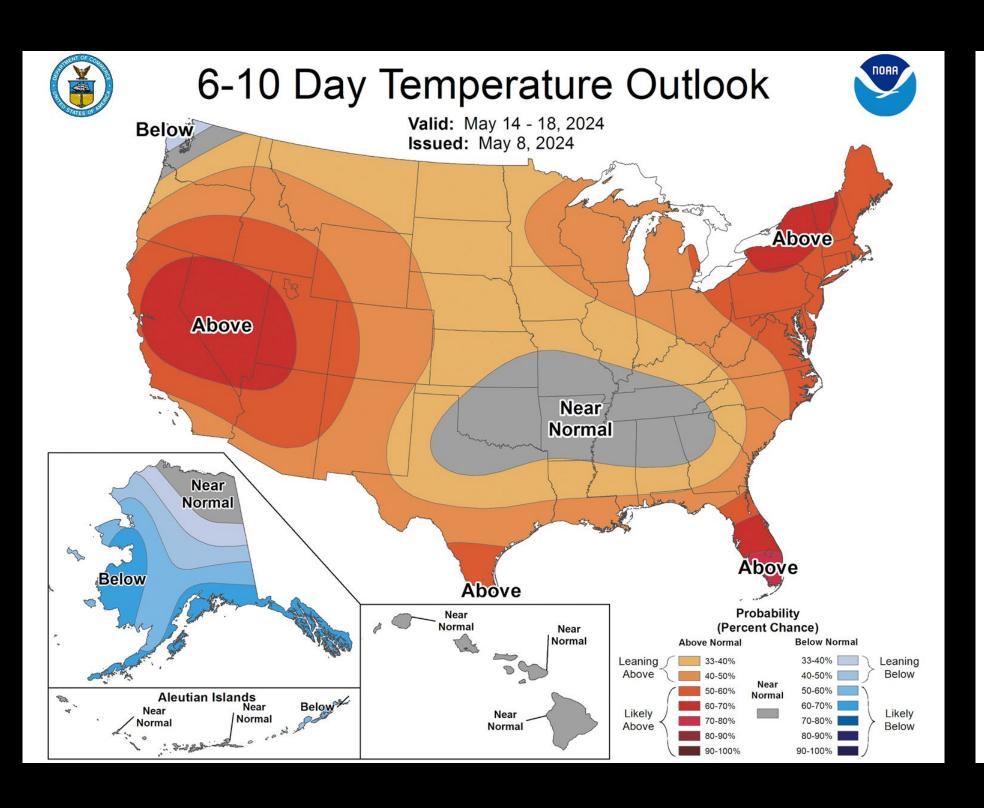
7-Day Precipitation and Snow Forecast

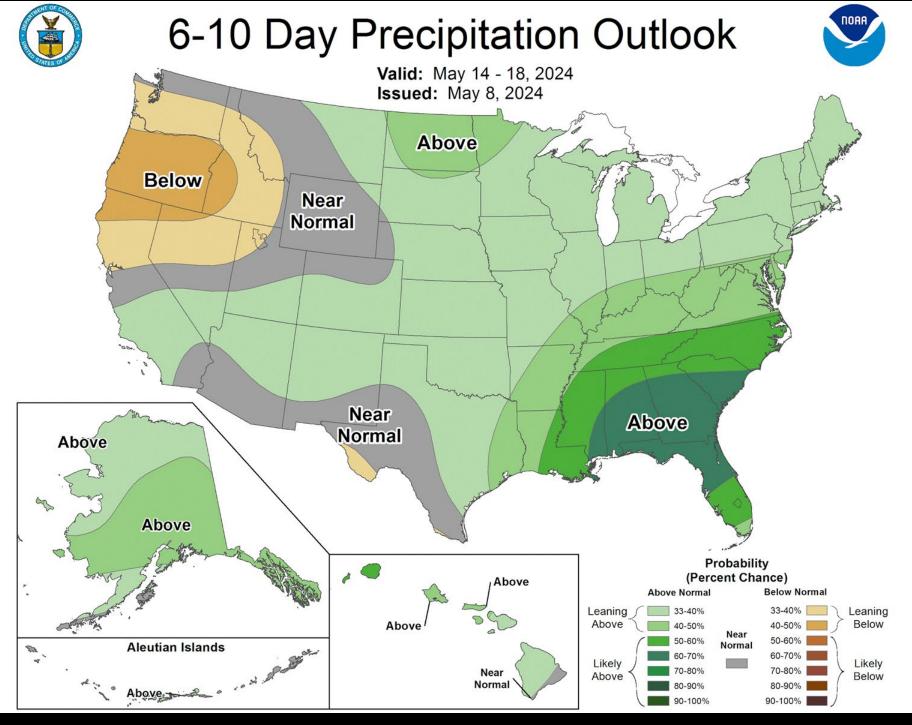






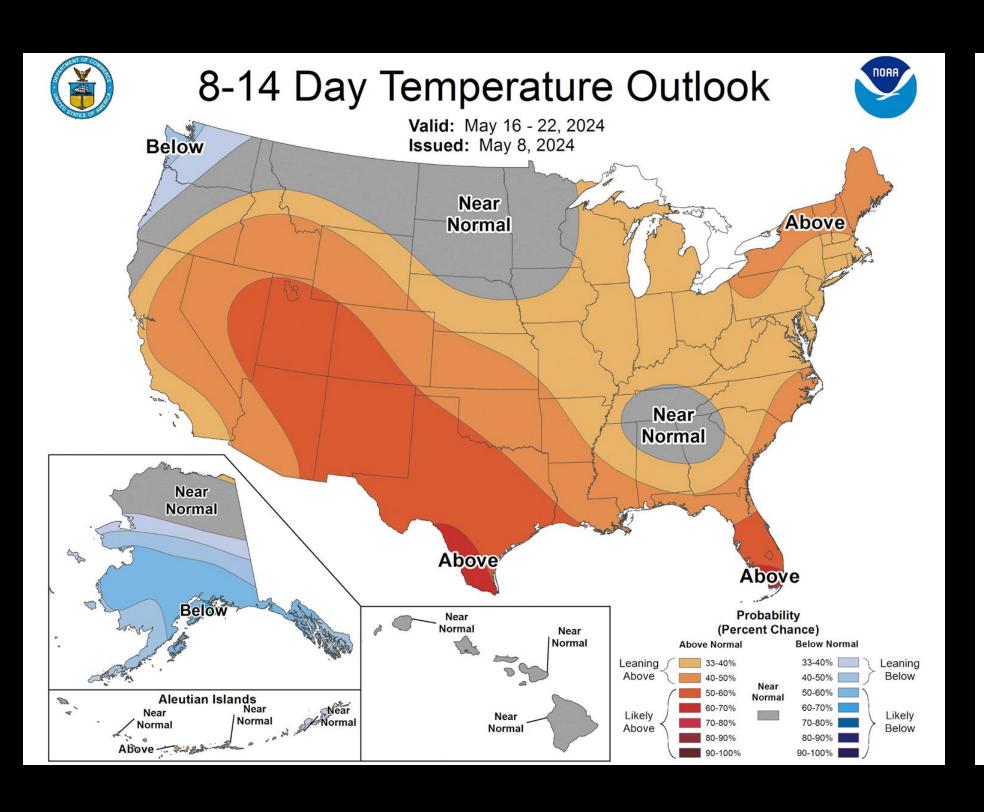
6 to 10 Day: May 14 - 18

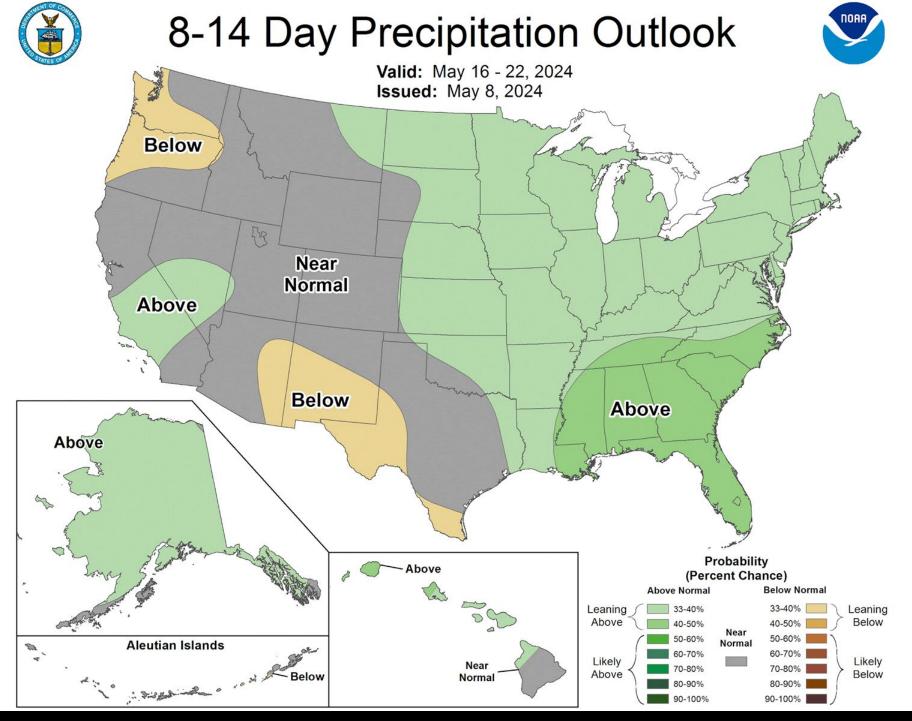






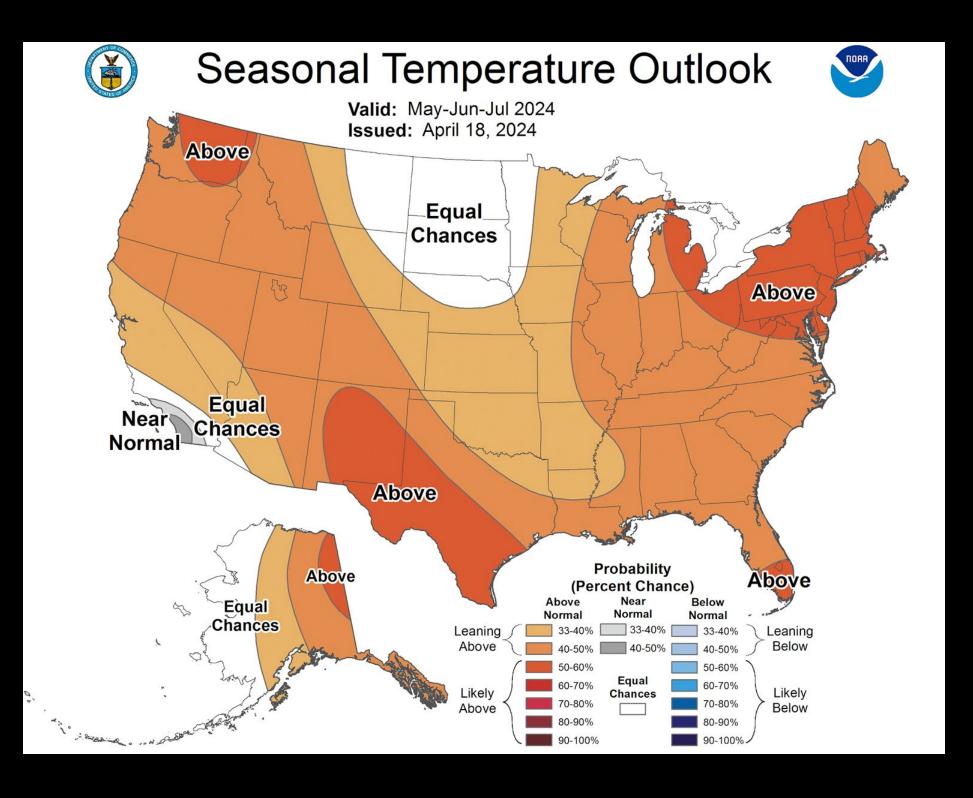
8 to 14 Day: May 16 - 22

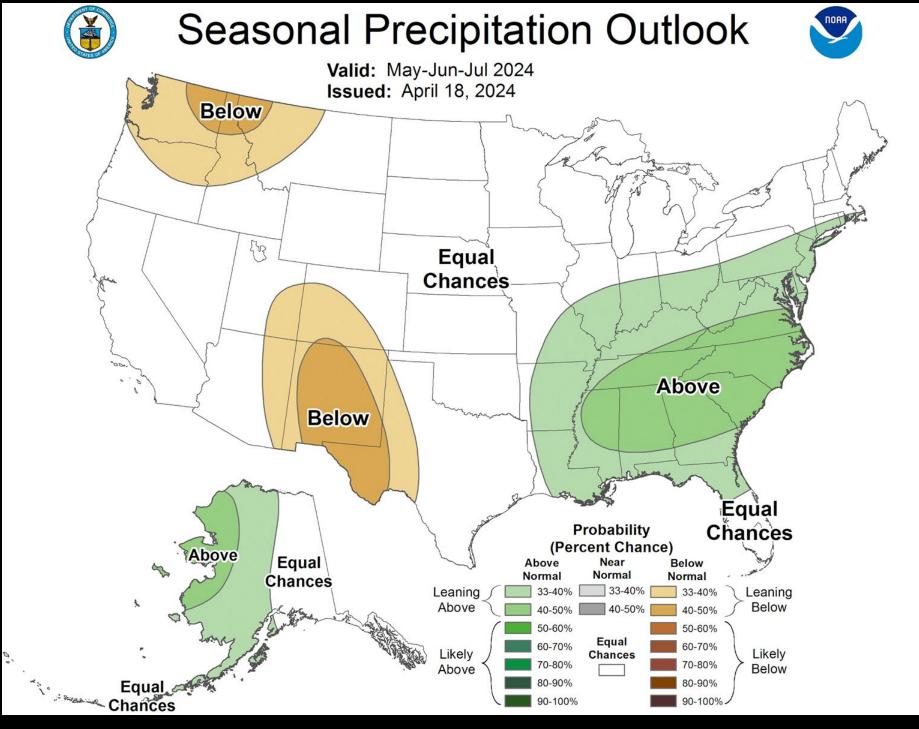






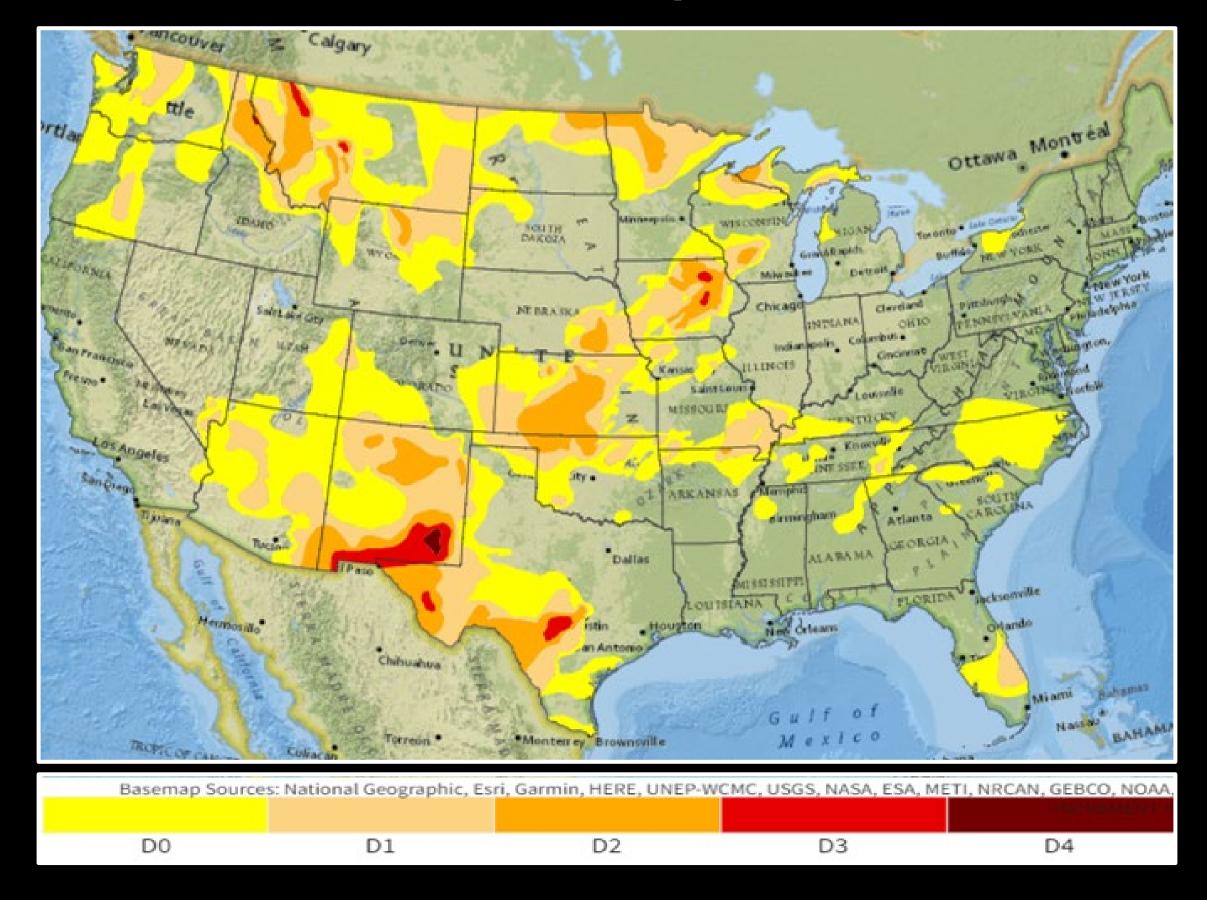
May - June - July





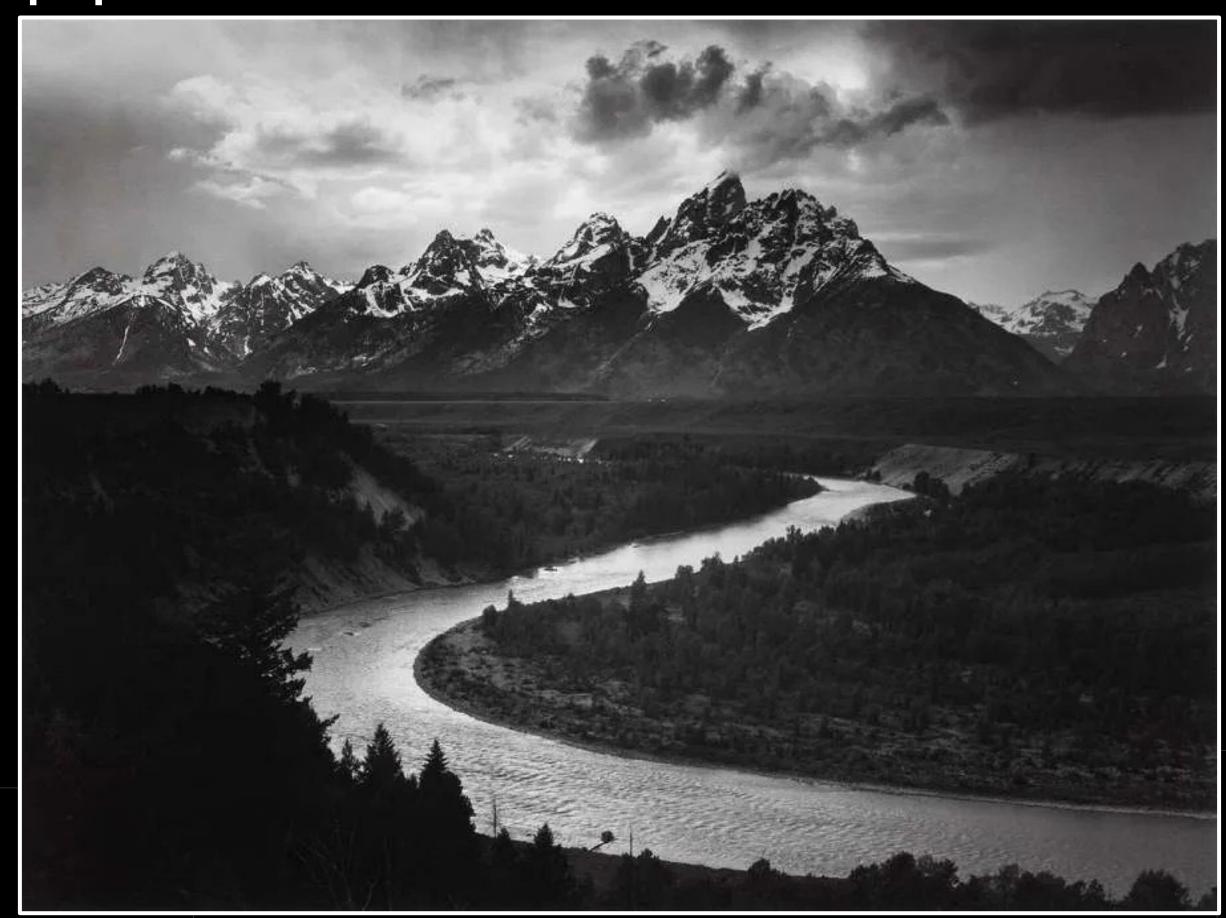


Drought Outlook: May - June - July





Upper Snake Weather Outlook



Questions?