



NOAA

National
Weather
Service

Spokane, WA

Water Forecast

May 30, 2024

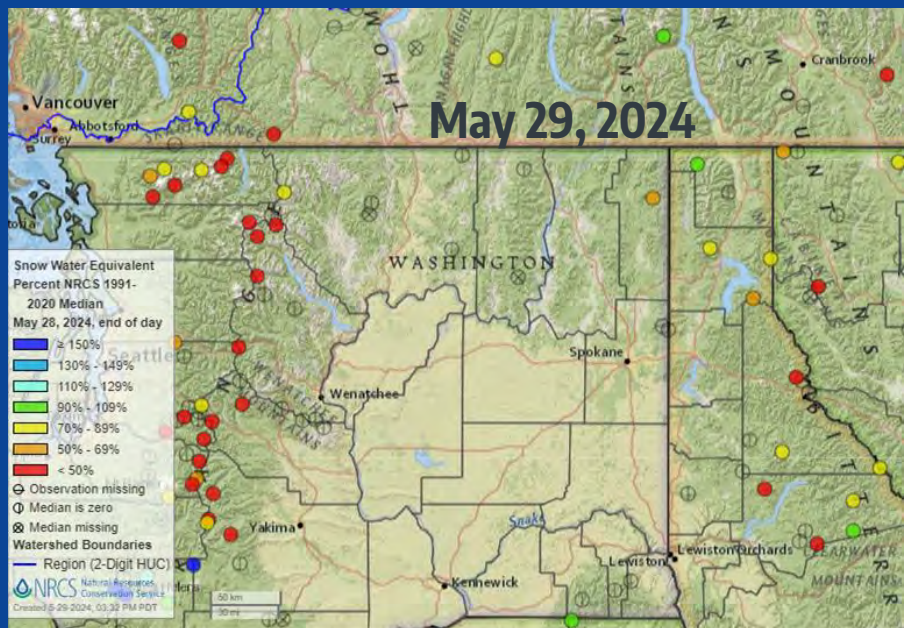
Robin Fox
Service Hydrologist
National Weather Service - Spokane WA





Mountain Snow

It has been below normal for the entire season, especially across the central ID Panhandle and the northern Cascades.



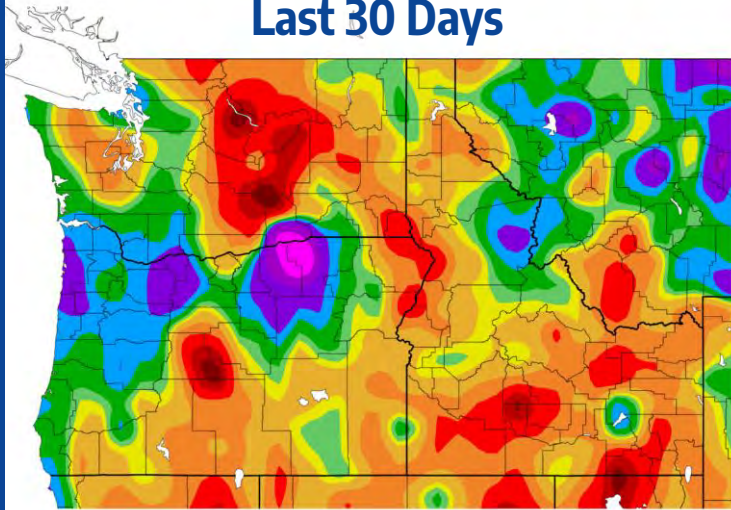
Spokane Deficits
Since Jan 1: -1.45"
Since Oct 1: -1.59"

Precipitation

Deficits especially over the higher terrain of the Cascades and north Idaho. In the short term, central & eastern WA has been drier than normal.

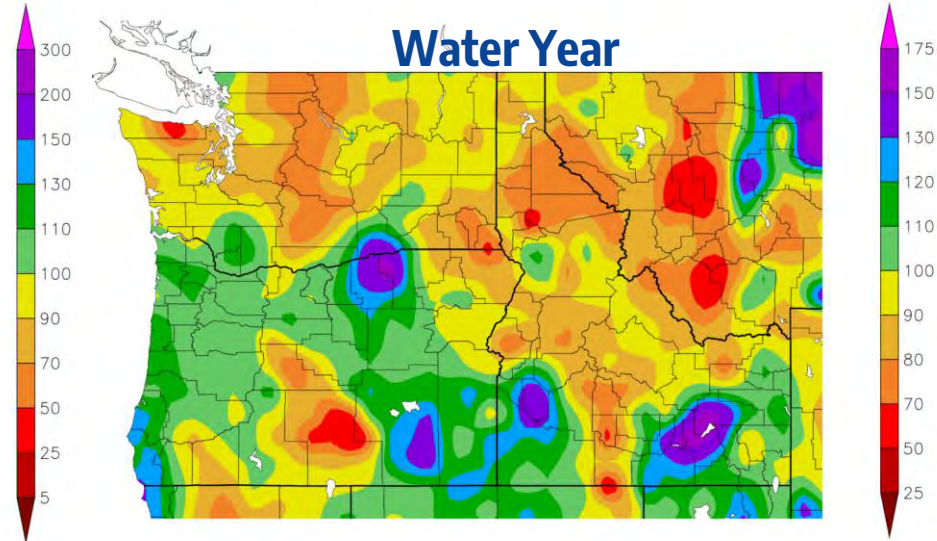
Percent of Normal Precipitation (%)
4/29/2024 – 5/28/2024

Last 30 Days



Percent of Normal Precipitation (%)
10/1/2023 – 5/28/2024

Water Year





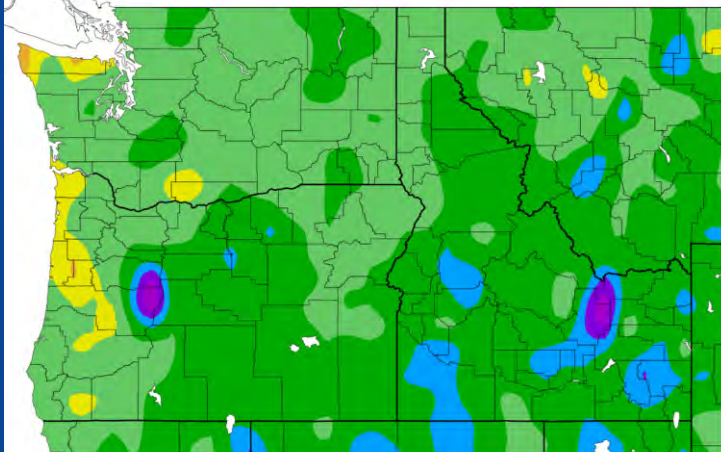
Temperature

Cooler than normal for the last month (and briefly in January).
Overall above normal since last fall.



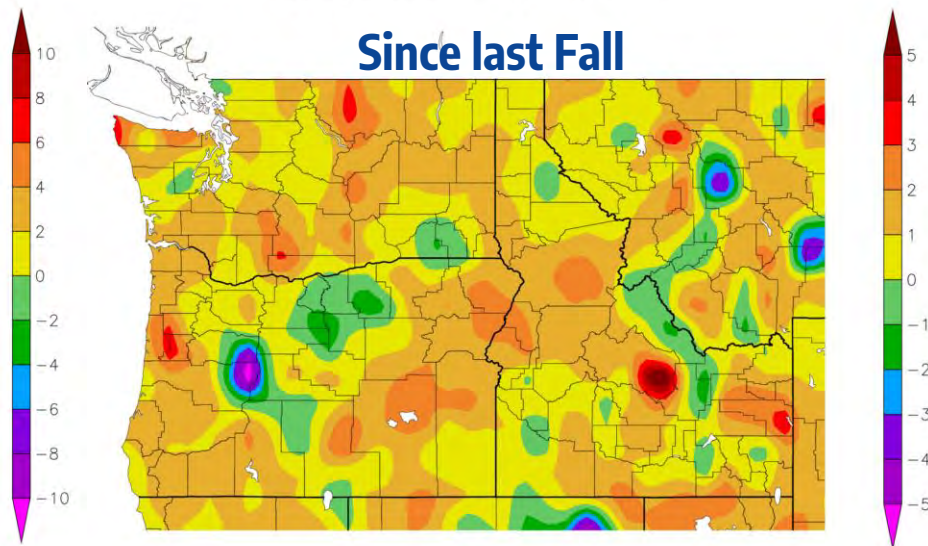
Departure from Normal Temperature (F)
4/29/2024 – 5/28/2024

Last 30 Days



Departure from Normal Temperature (F)
10/1/2023 – 5/28/2024

Since last Fall





Drought Monitor



Long term dryness in the Cascades and ID Panhandle

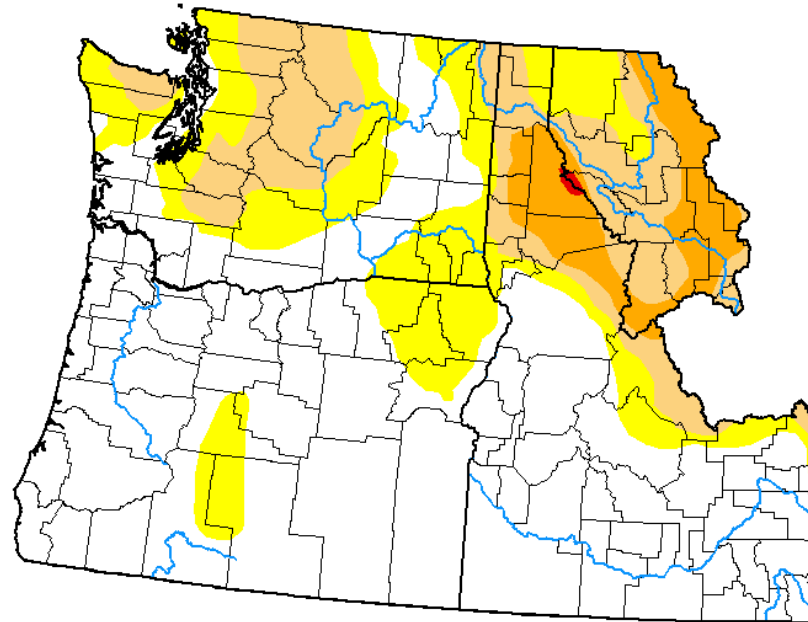


U.S. Drought Monitor Pacific Northwest DEWS

May 28, 2024

(Released Thursday, May 30, 2024)

Valid 8 a.m. EDT



Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Rocky Bilotta
NCEI/NOAA



droughtmonitor.unl.edu



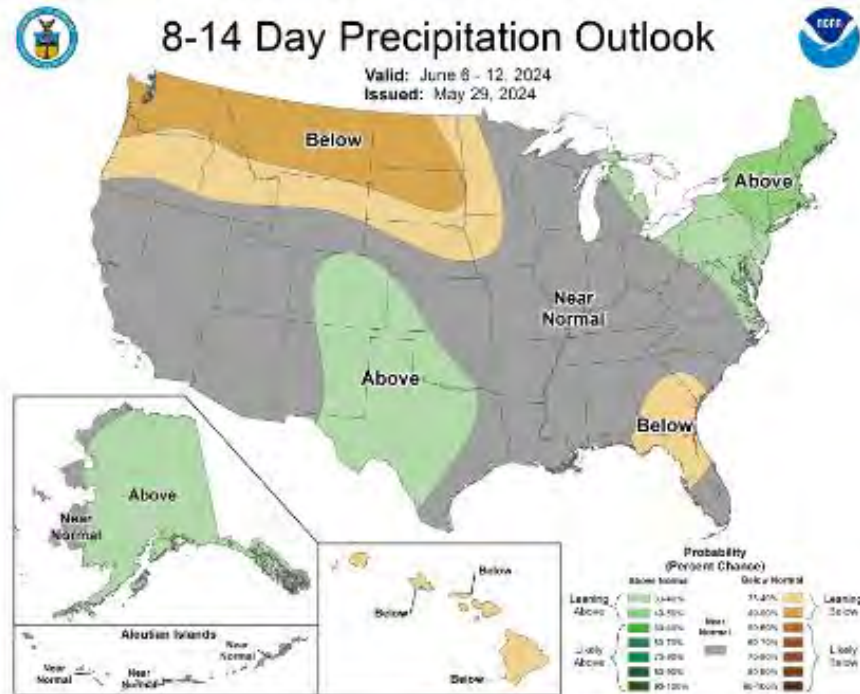
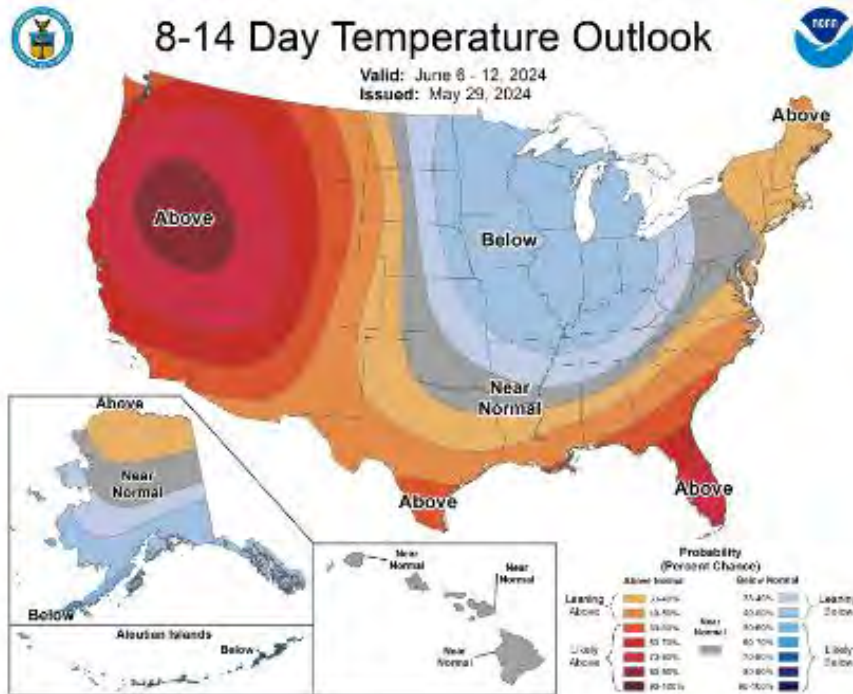
SPOKANE



Outlook - early June

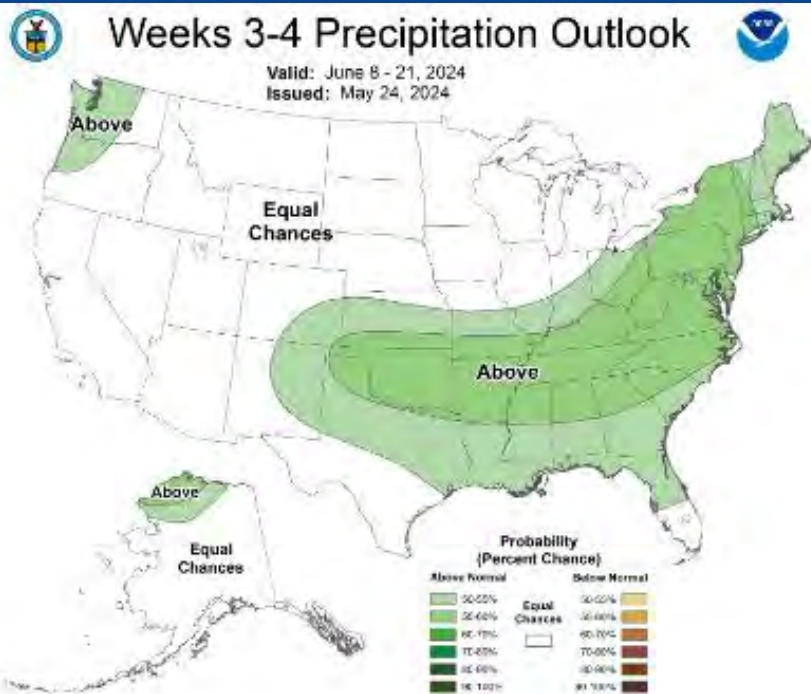
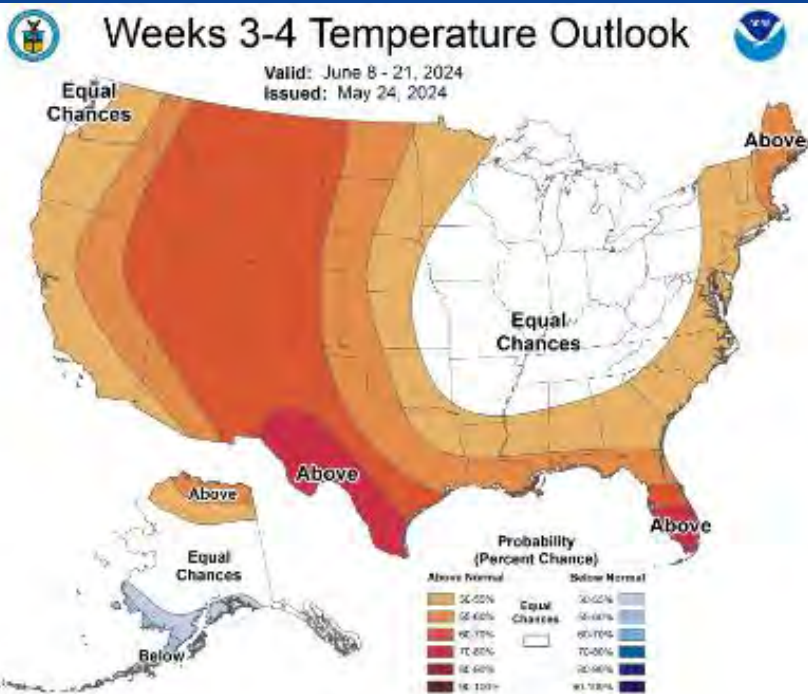
Normals for Spokane:
High: lower 70s
Lows: near 50
Rain: <0.04"

Much warmer and drier than normal



☀️ Outlook - late June

🌱 Mild and not as dry



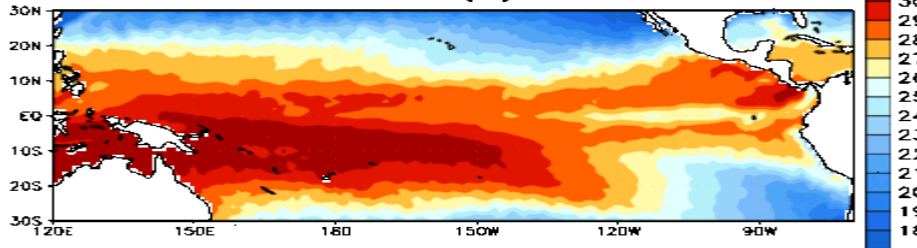


ENSO Alert System Status:

El Niño Advisory
continues thru June

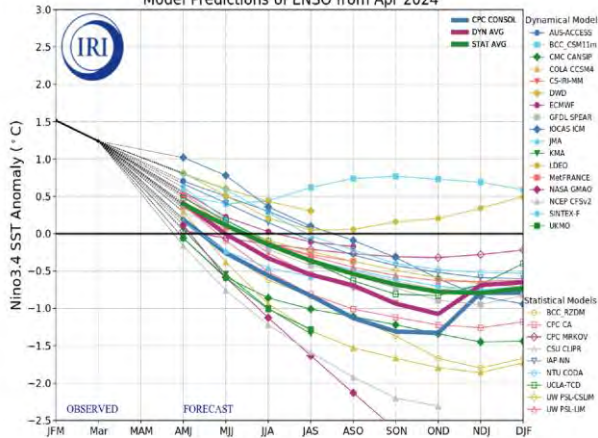
La Nina Watch
fall-winter

Week centered on 06 MAR 2024
SST (°C)



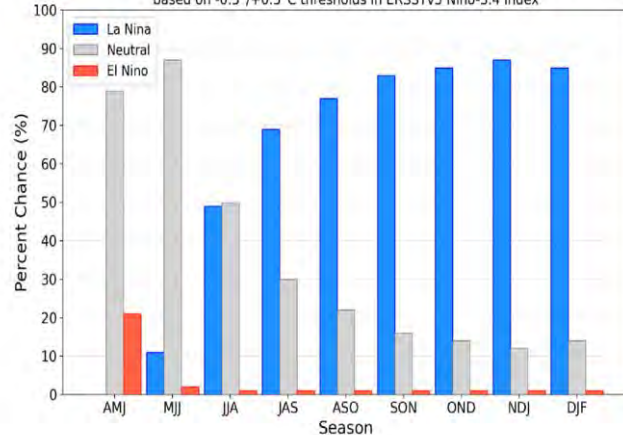
El Niño Years
2023-2024
2018-2019
2015-2016
2014-2015
2009-2010

Model Predictions of ENSO from Apr 2024



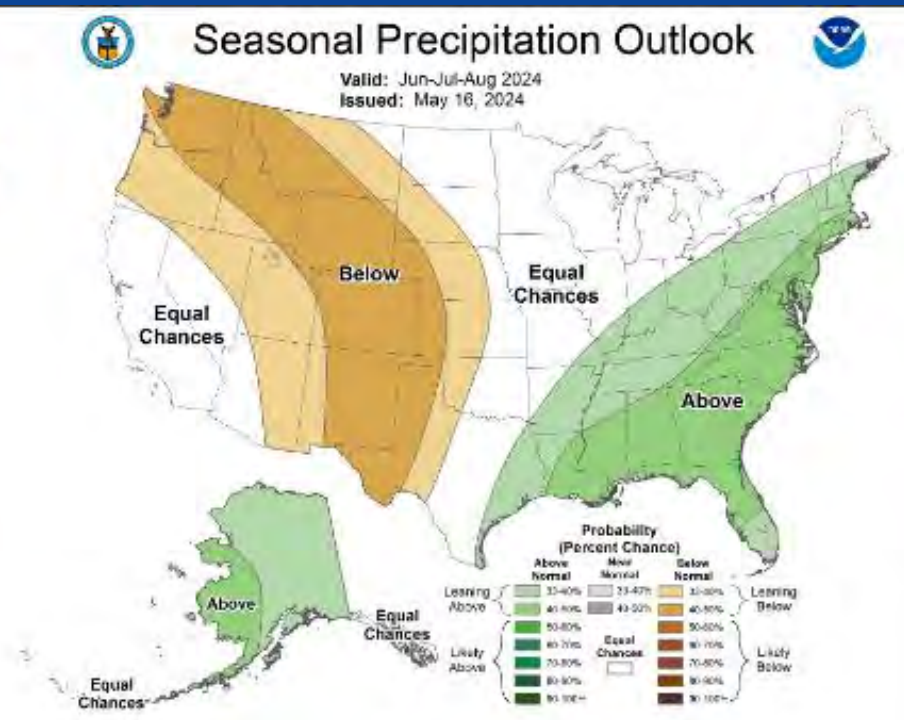
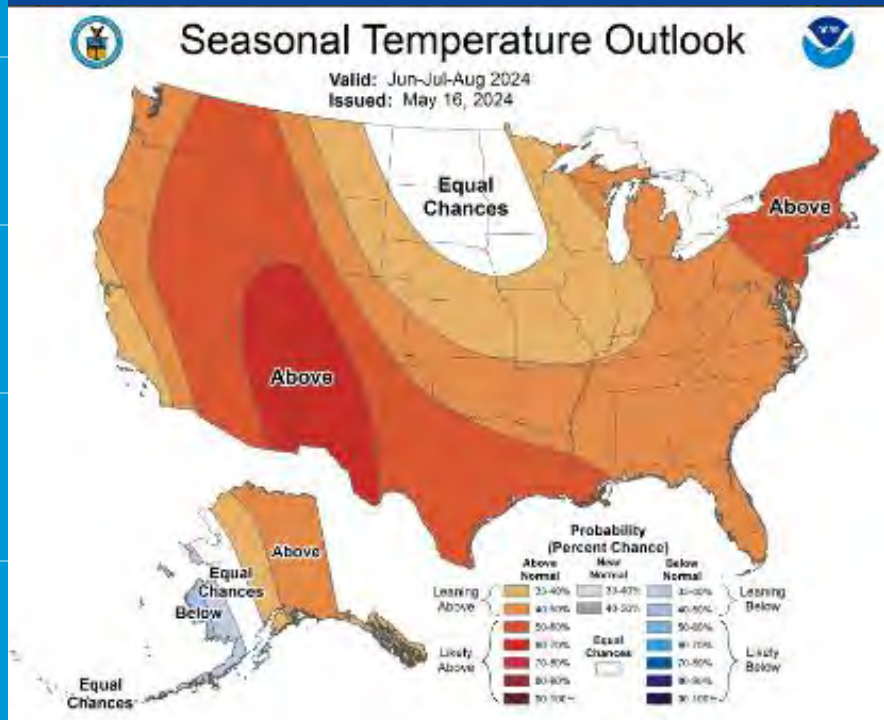
Official NOAA CPC ENSO Probabilities (issued May 2024)

based on $-0.5^{\circ}/+0.5^{\circ}\text{C}$ thresholds in ERSSTv5 Niño-3.4 index



Seasonal Outlook

June-July-August: trending warmer/ drier than normal



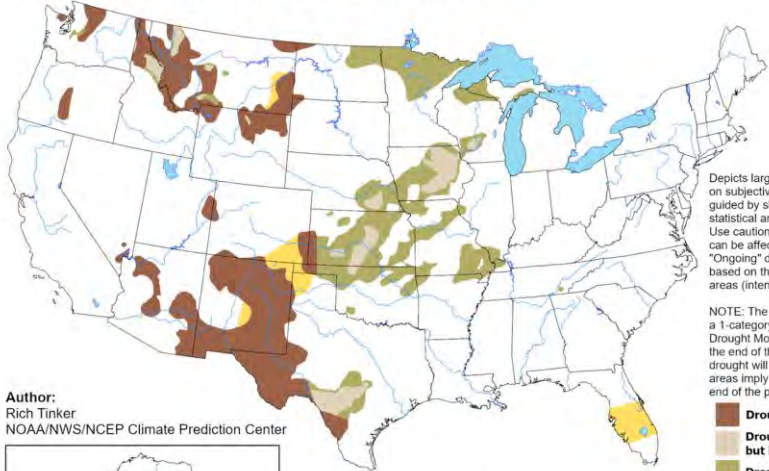
Drought Outlook

Where drought exists, will persist and likely expand across the region.



U.S. Monthly Drought Outlook Drought Tendency During the Valid Period

Valid for May 2024
Released April 30, 2024



Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

- Drought persists
- Drought remains, but improves
- Drought removal likely
- Drought development likely
- No drought

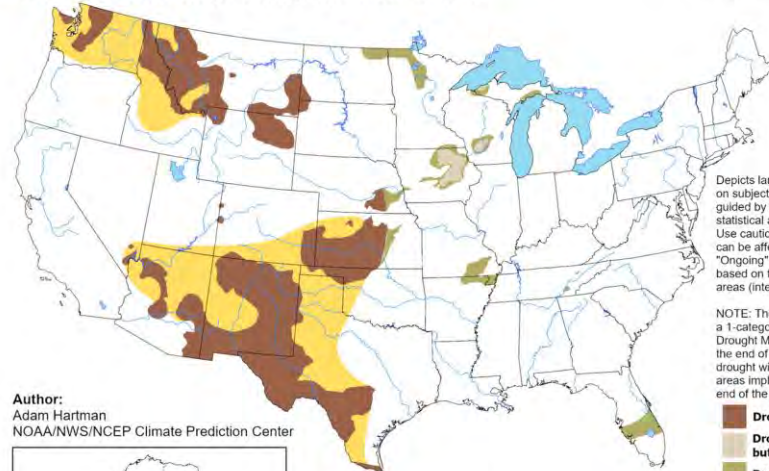
Author:
Rich Tinker
NOAA/NWS/NCEP Climate Prediction Center



<https://go.usa.gov/3eZGd>

U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period

Valid for May 16 - August 31, 2024
Released May 16, 2024

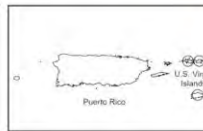


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

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Author:
Adam Hartman
NOAA/NWS/NCEP Climate Prediction Center

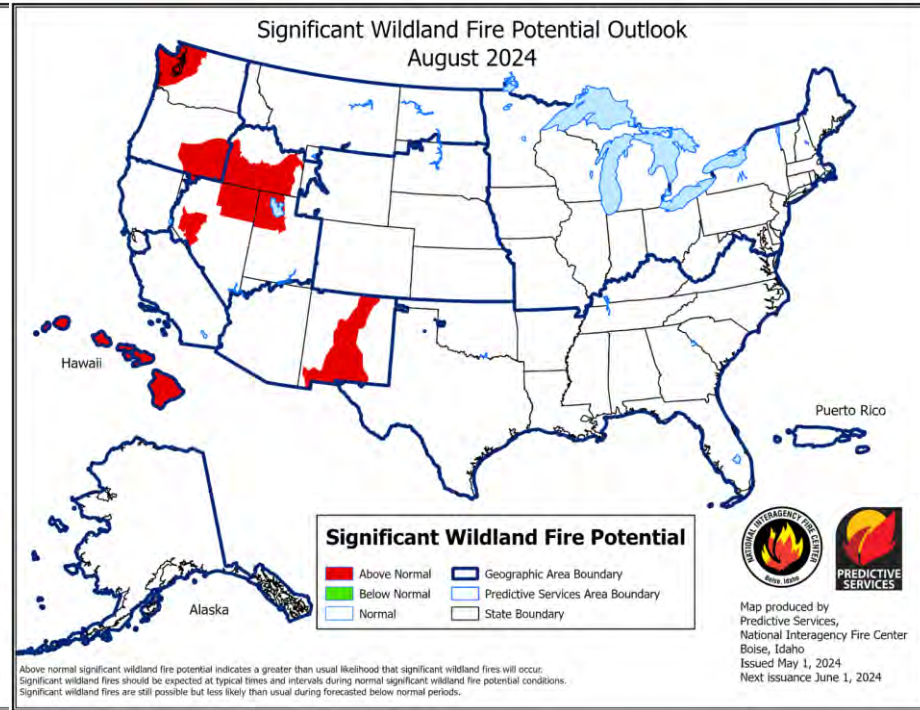
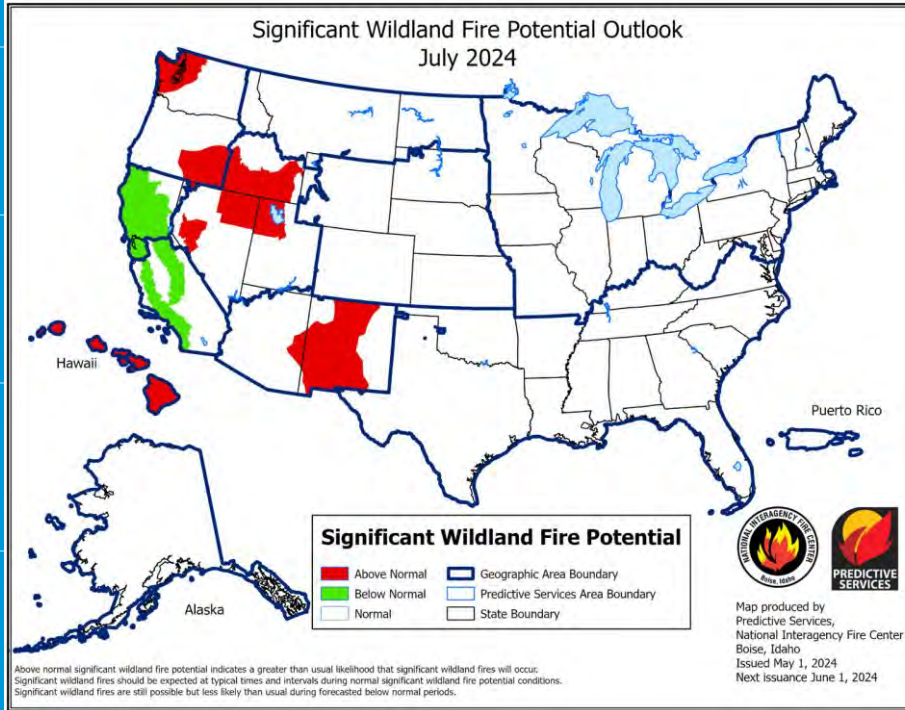


<https://go.usa.gov/3eZ73>



Significant Fire Outlook

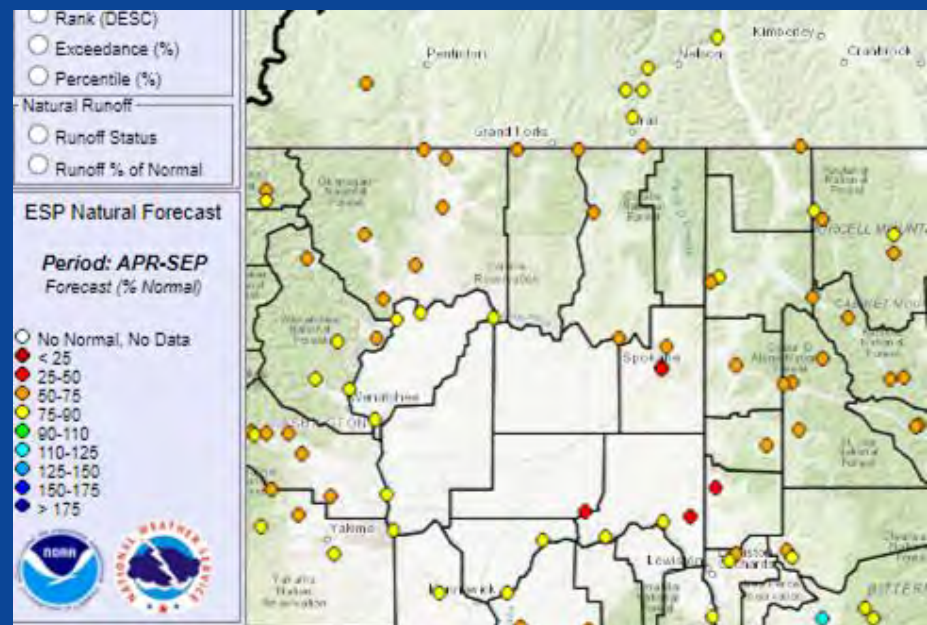
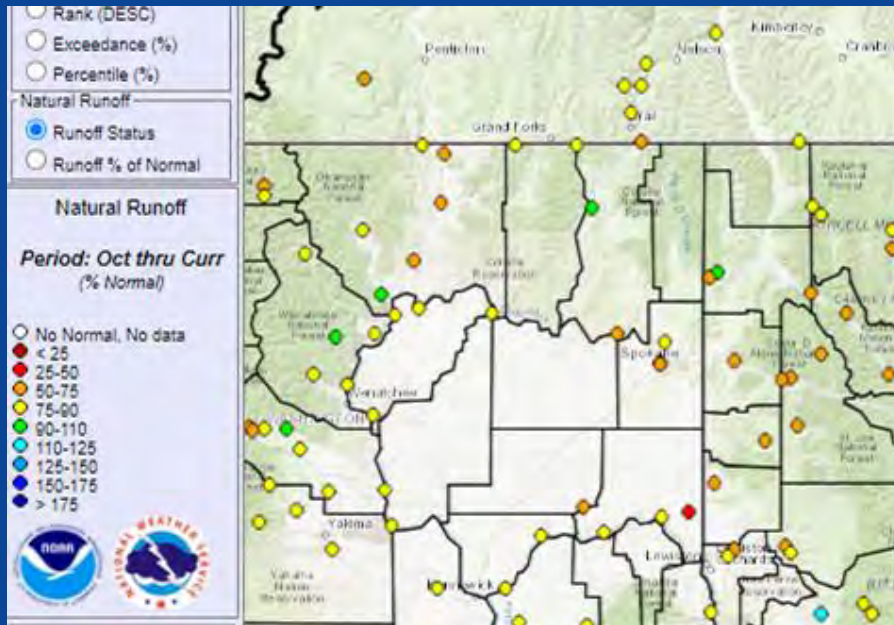
Above normal potential for the north Cascades into northwest WA





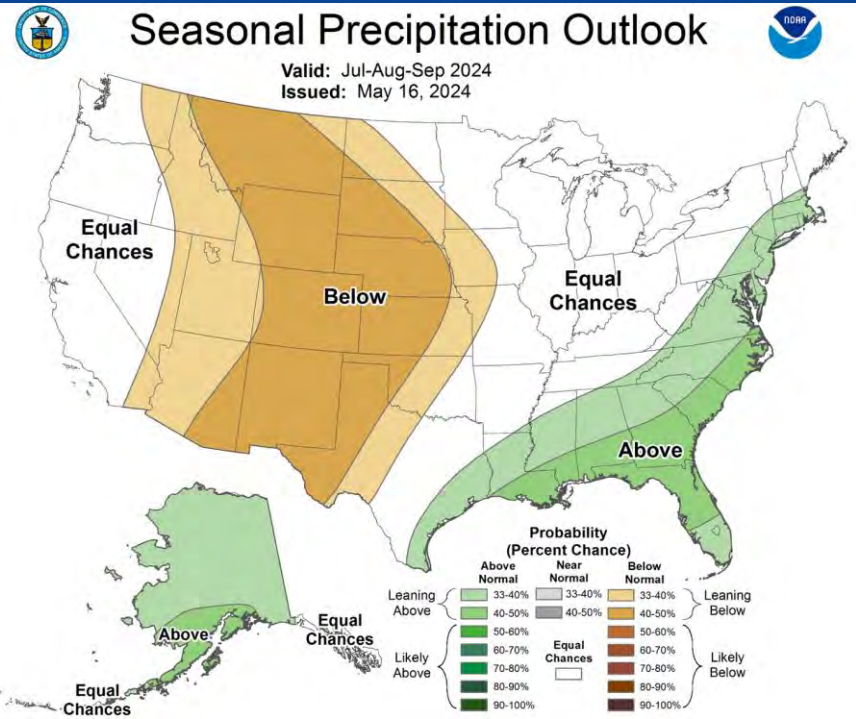
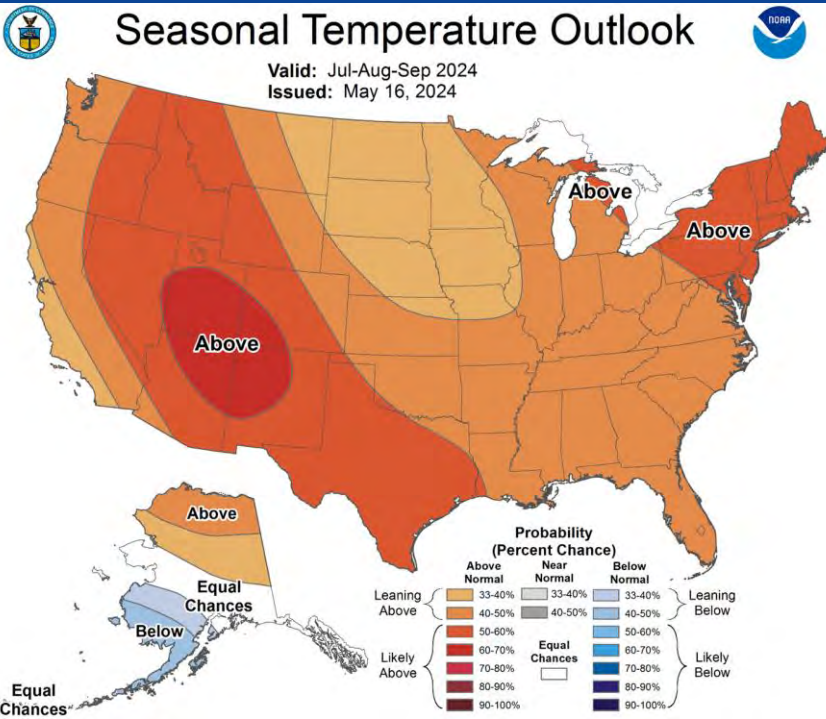
Runoff & Water Supply Outlook

From the NWRFC, runoff has been earlier and lower than normal with water supply outlooks trending lower than normal.



Seasonal Outlook

July-August-Sept: trending warmer/ maybe not drier than normal





Bottom Line

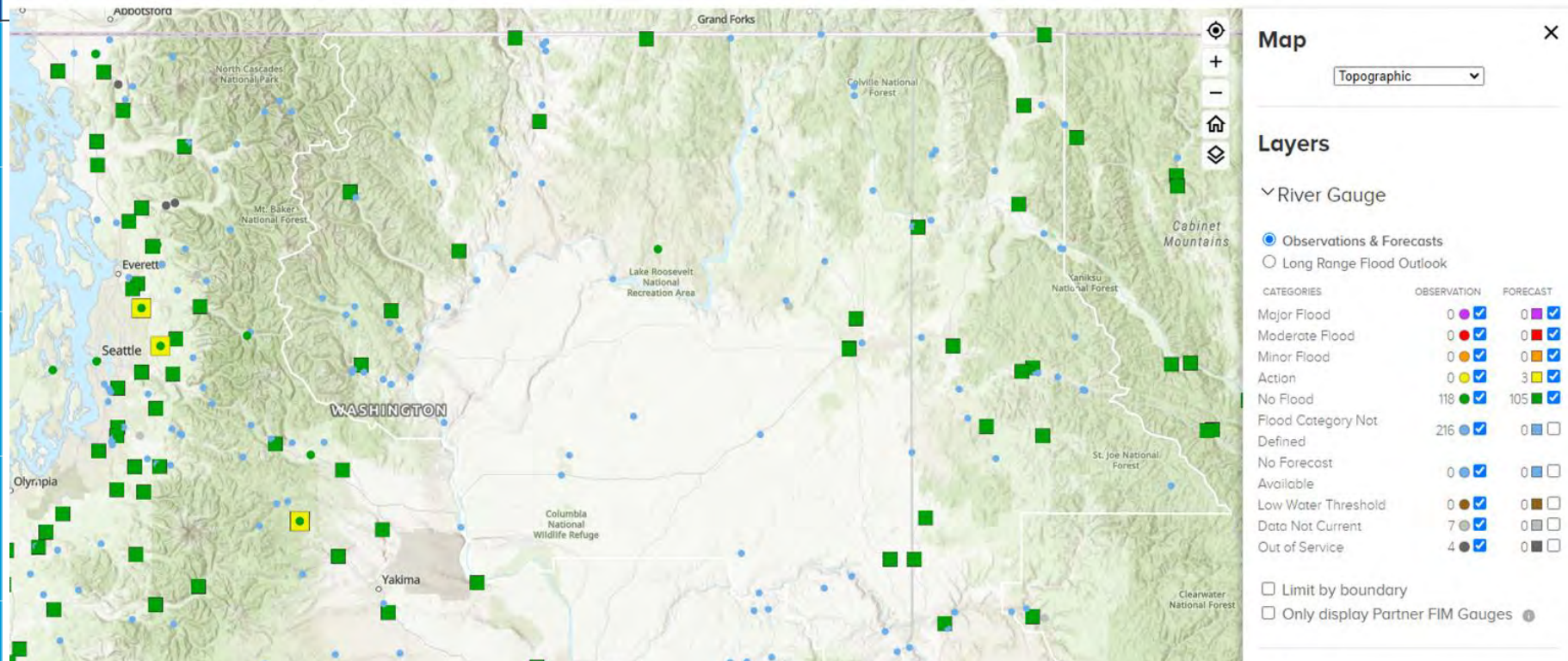


- Below normal mountain snowpack
- Relatively cool but dry spring
- Drought remains & expected to expand
- Trending drier and warmer for the summer
 - Below normal water supply
 - Threat of fire season
- La Niña late this year



New NWS Hydrologic Web Page

water.noaa.gov



National Water Prediction Service (NWPS)





Flood Inundation Mapping (FIM)



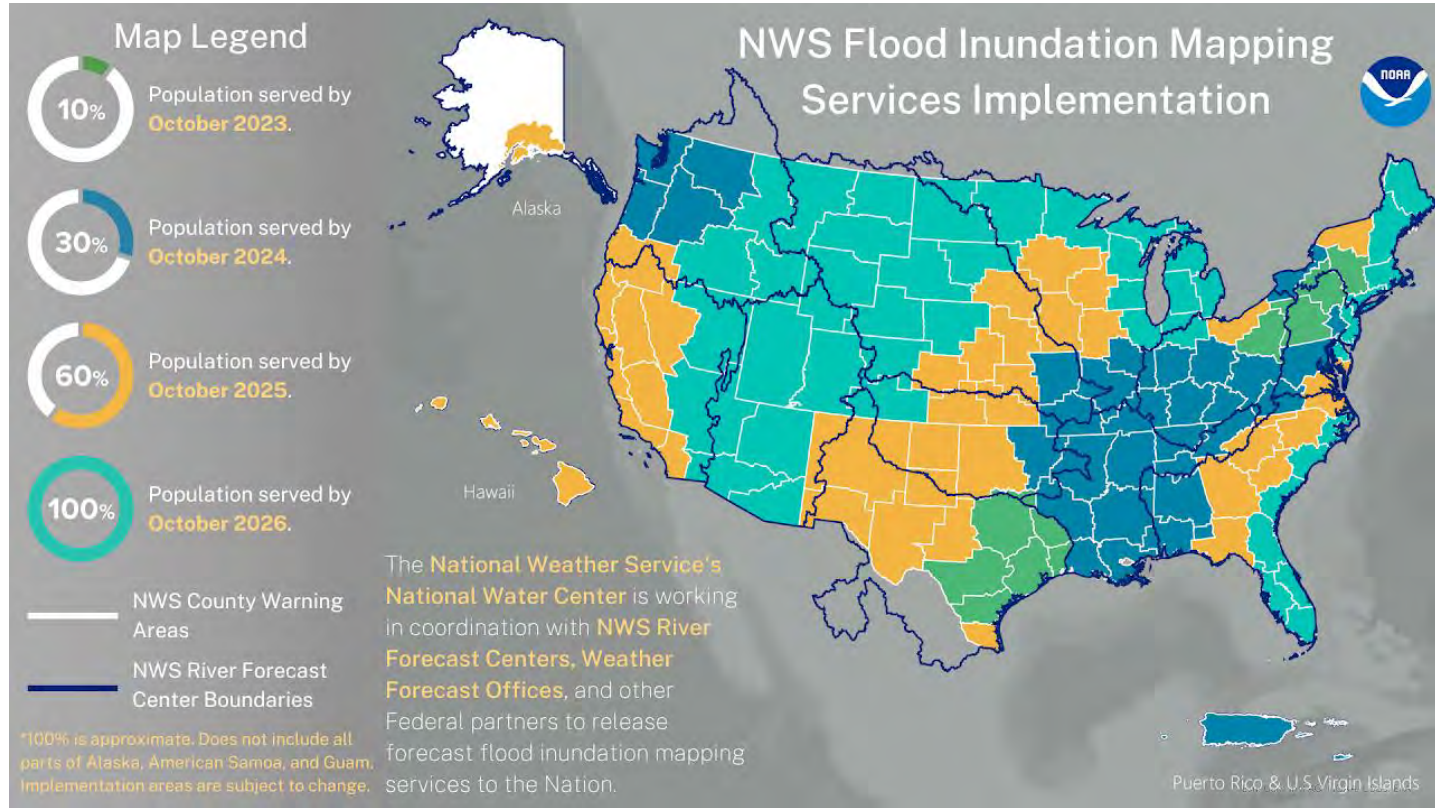
Pacific NW & N Idaho is part of the 30% Rollout



October 2024



Rest of Idaho will be 2026





Thank you!

Robin Fox - Service Hydrologist
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