



Utah Water Conditions (drought webinar)

The meeting will begin shortly



Thank you to our contributors

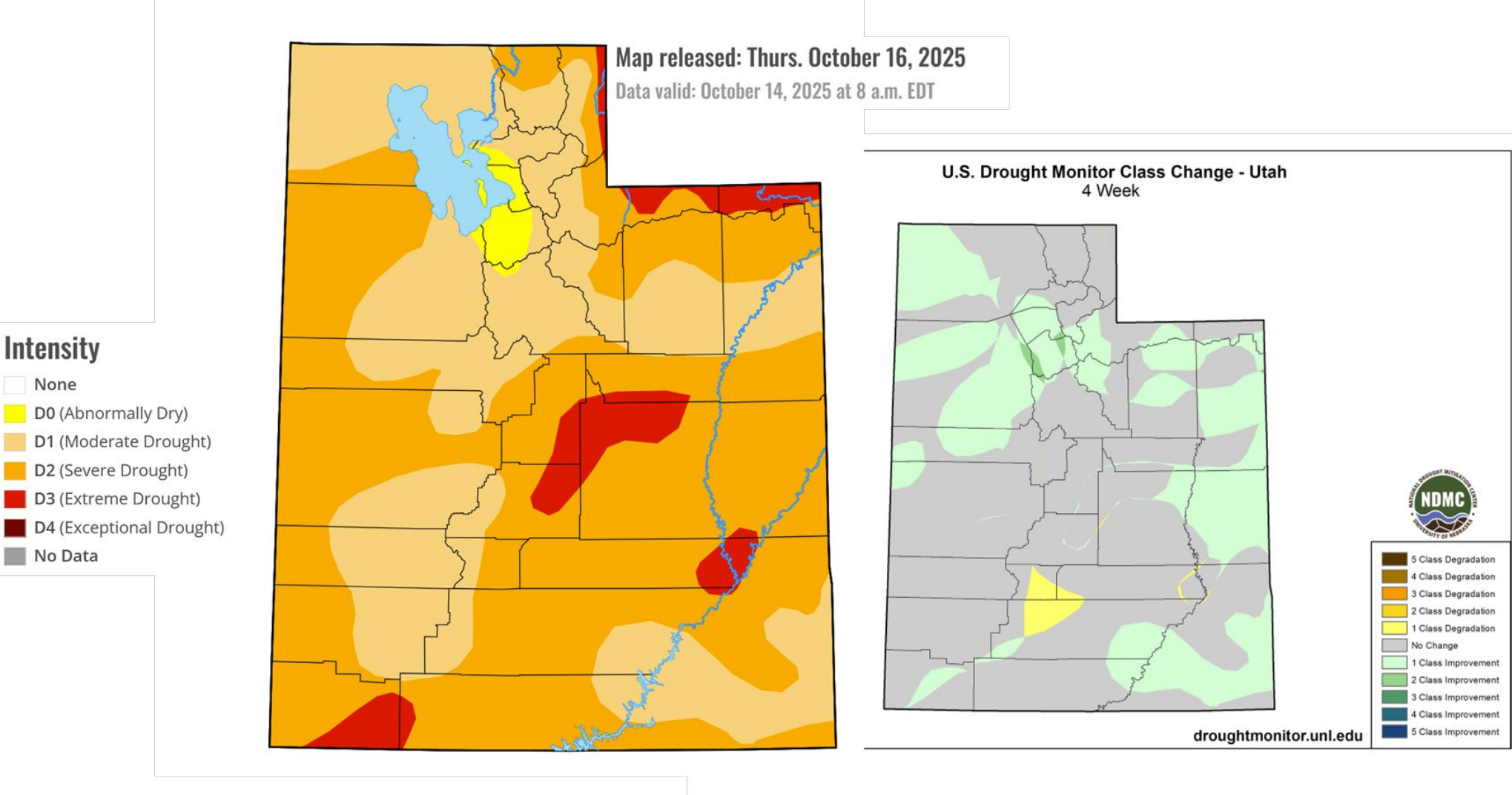




Utah Water Conditions Update

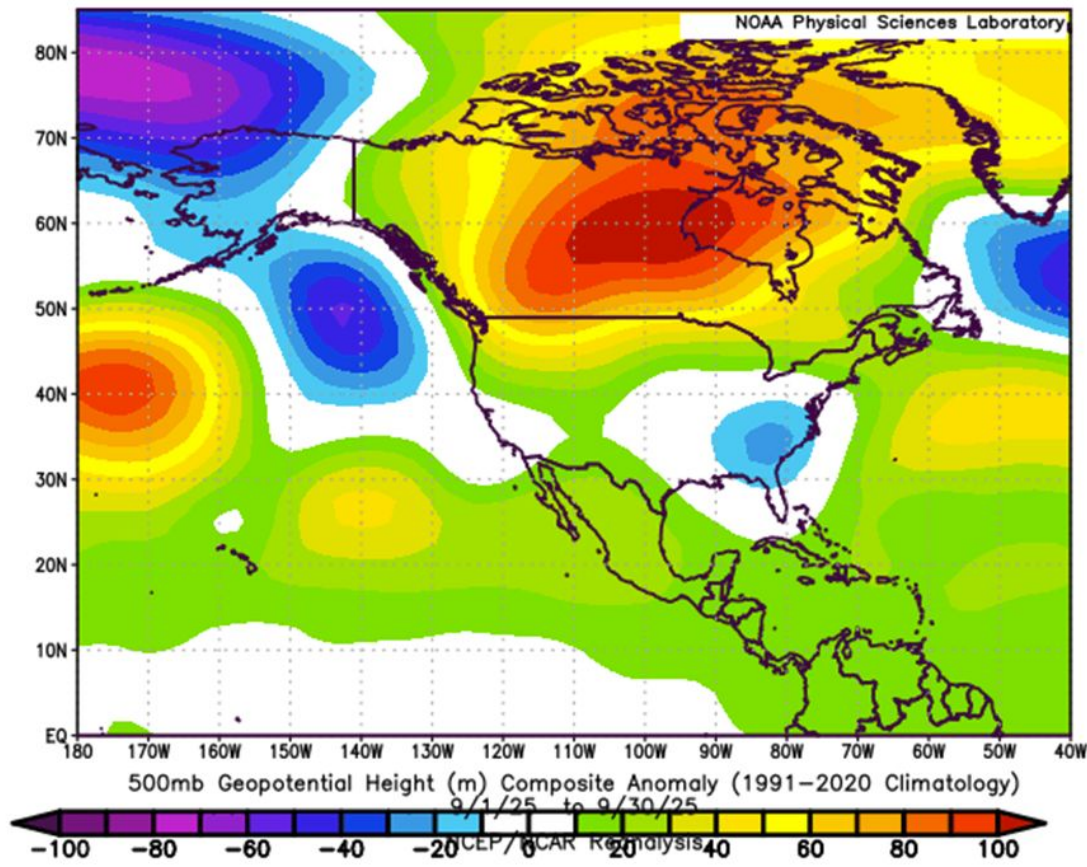
10-21-2025

Current Drought Condition and 4-Week Class Change

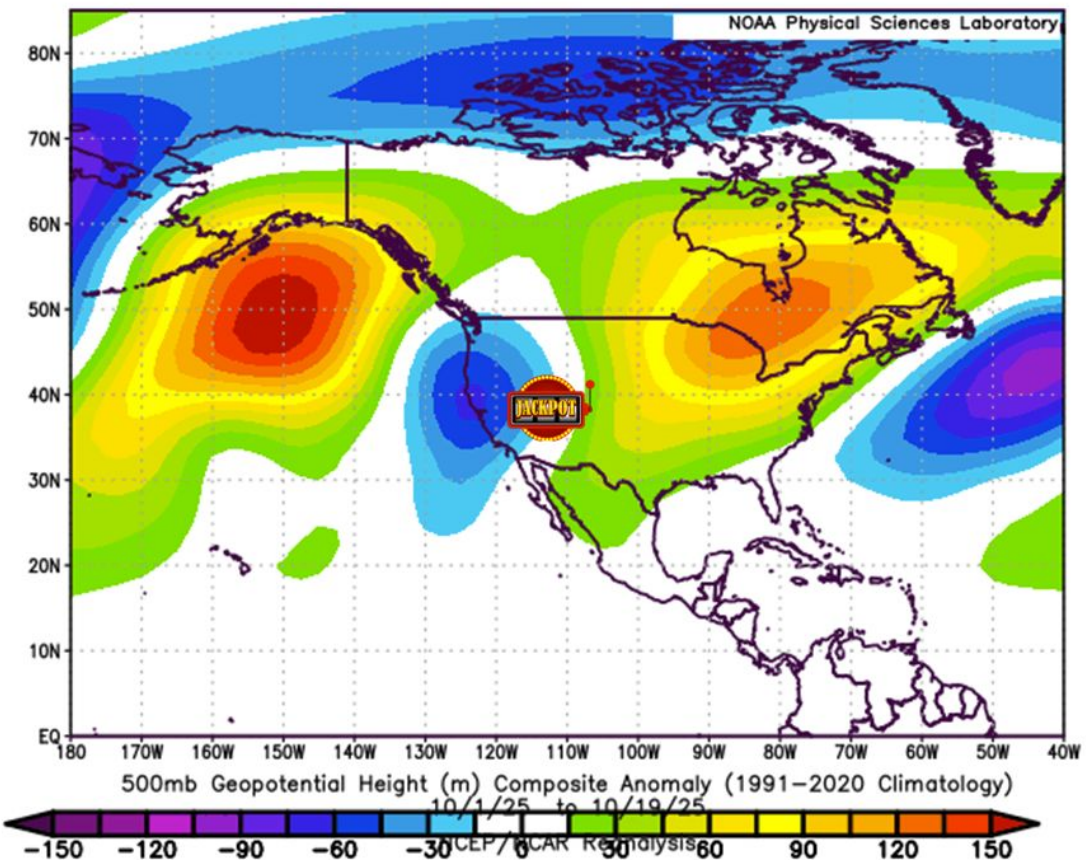


Monthly Weather Pattern Comparison

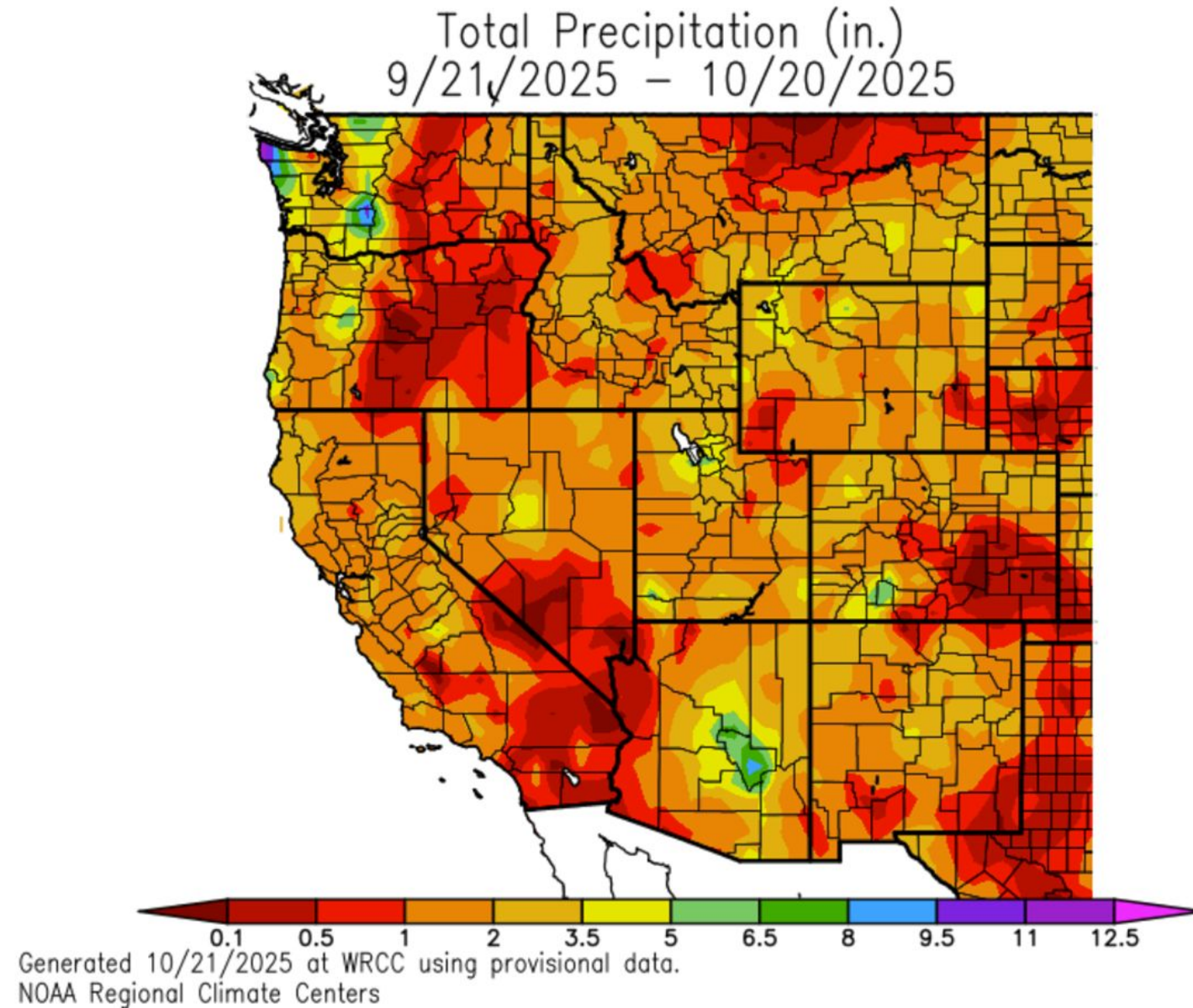
September Weather Pattern



October Weather Pattern

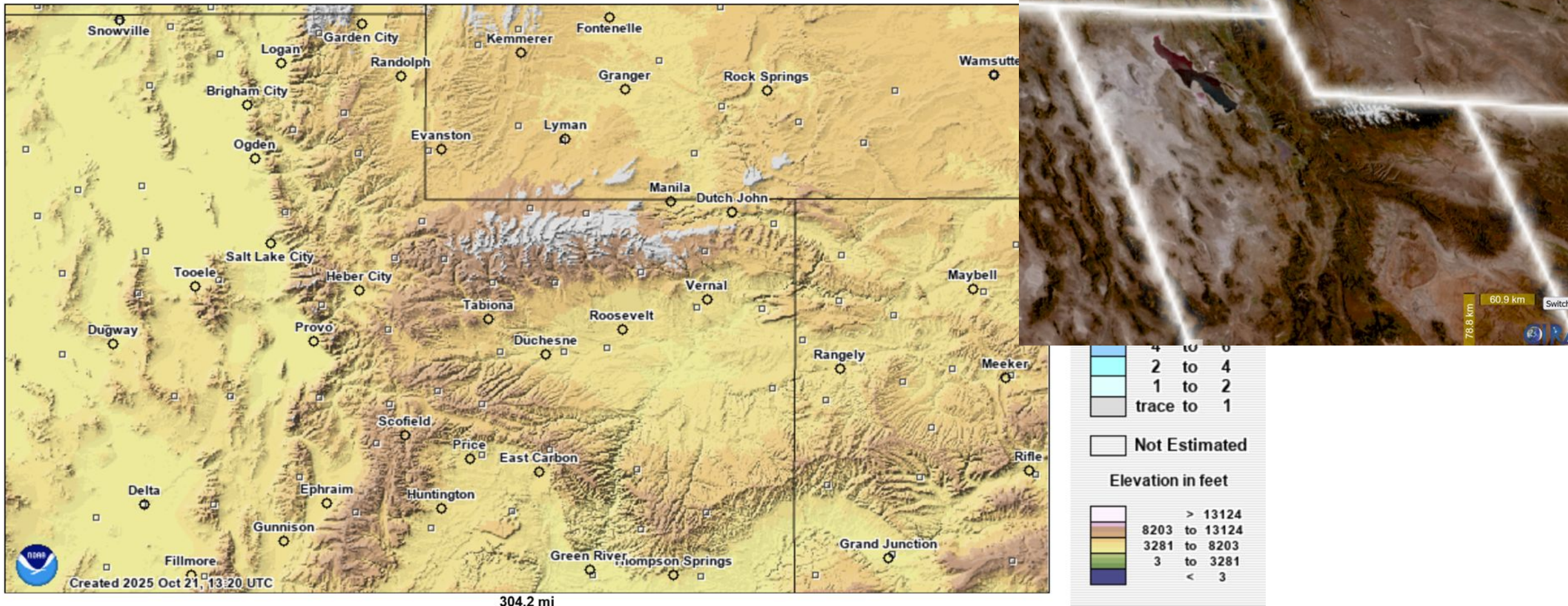


The October Weather Pattern Delivers!

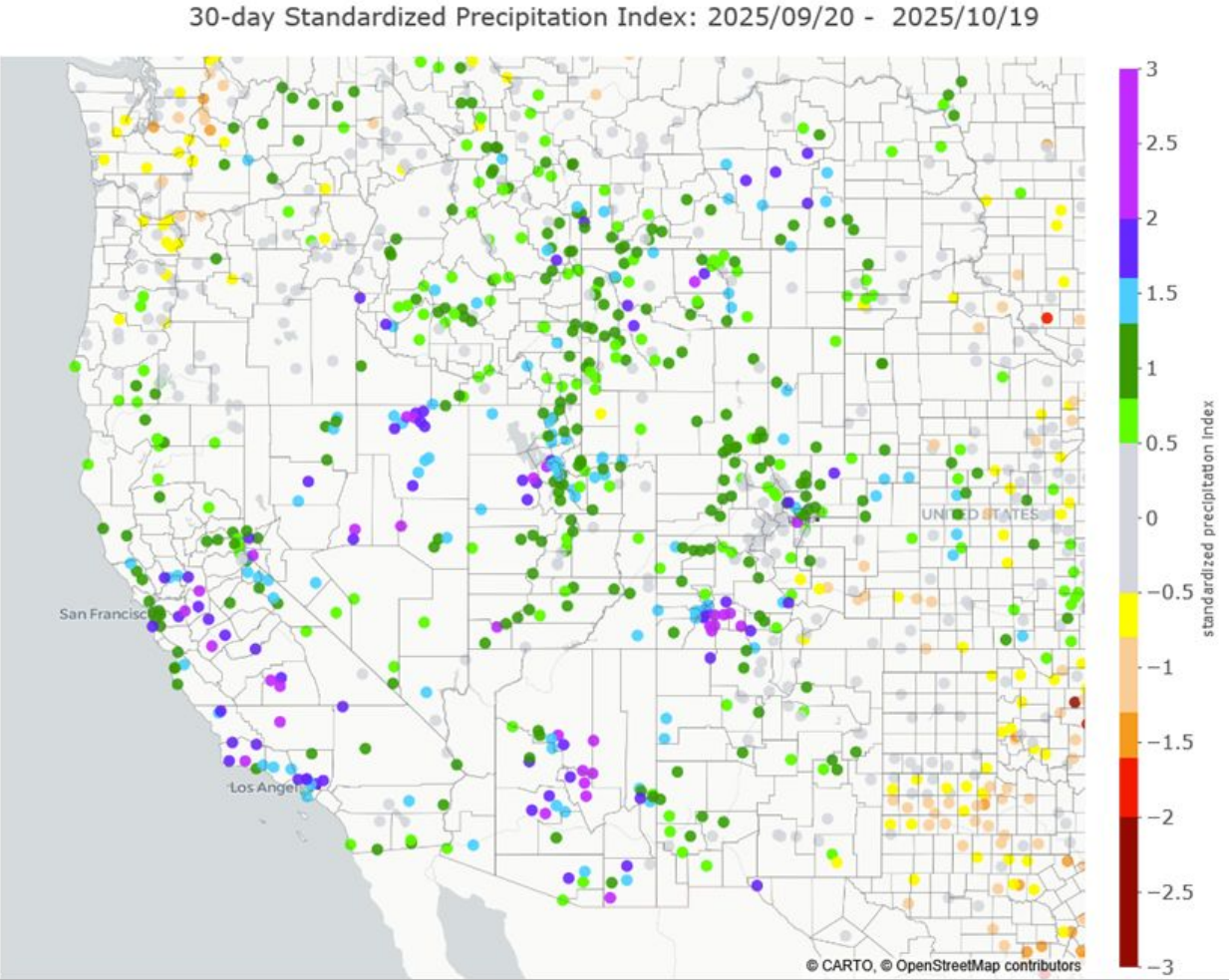
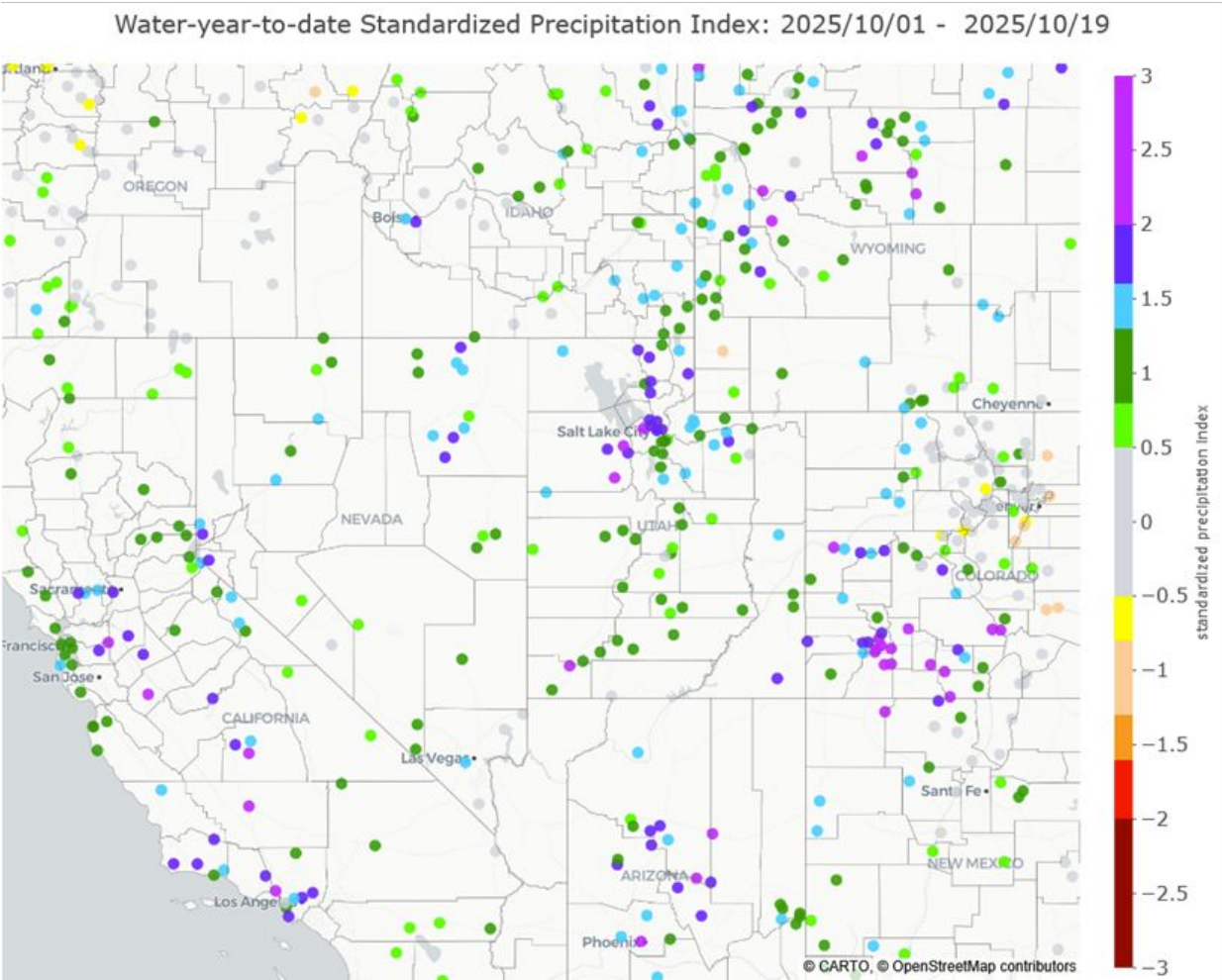


Agency - Utah Climate Center
Presenter - Jon Meyer

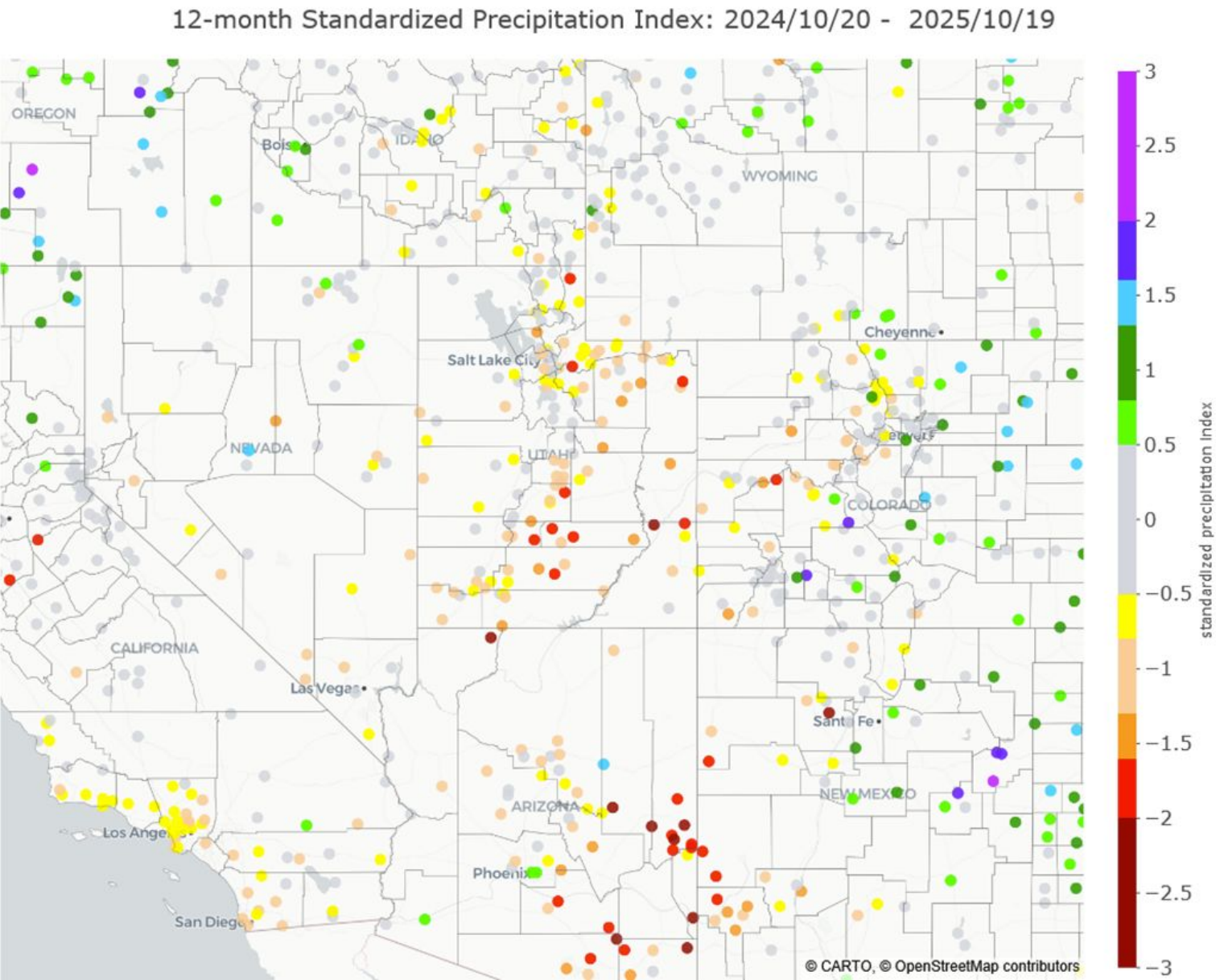
Modeled Snow Water Equivalent: 2025 October 21



Standardized Precipitation Index (SPI)

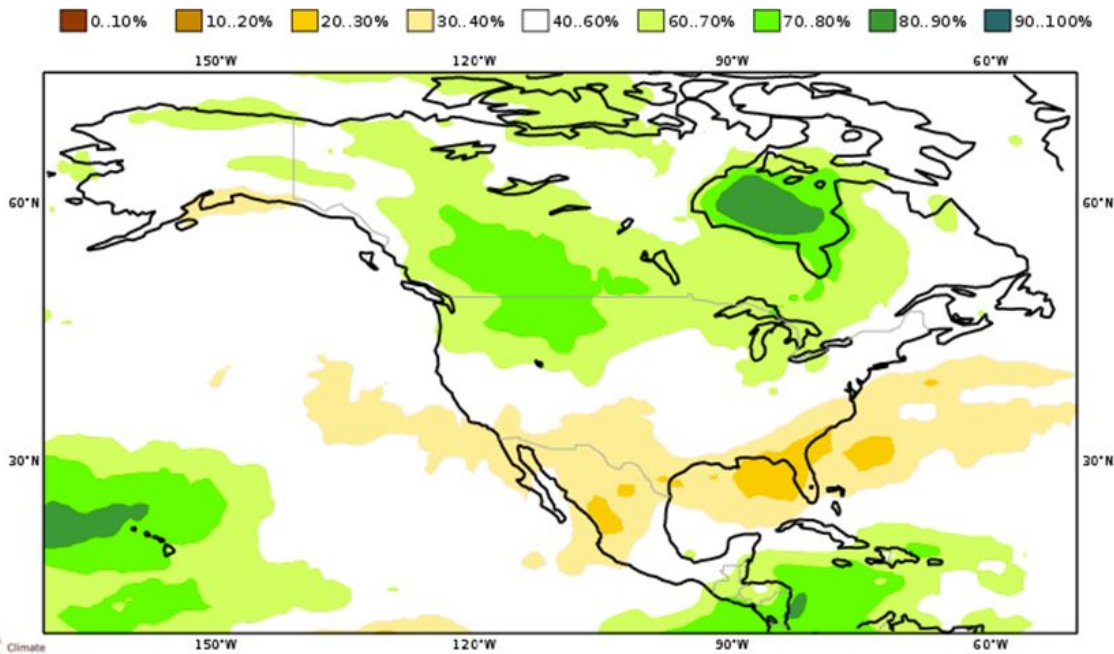


12-Month SPI

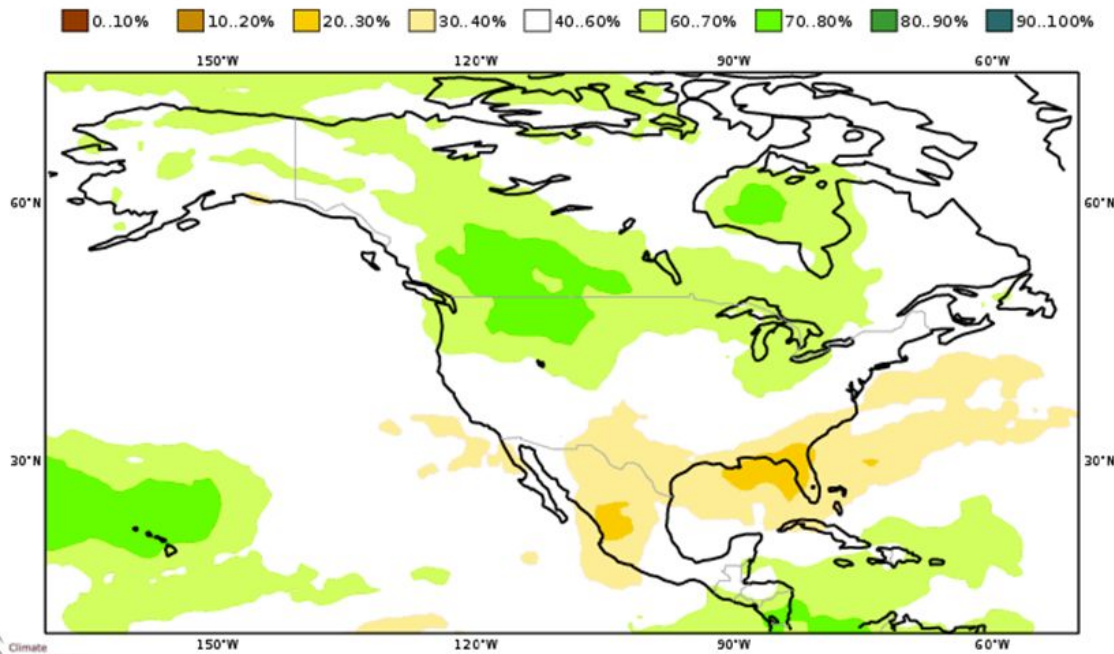


Dec-Feb Seasonal Predictions: Living on the Edge

C3S multi-system seasonal forecast ECMWF/Met Office/Météo-France/CMCC/DWD/NCEP/JMA/ECCC/BOM
Prob(precipitation > median)
Nominal forecast start: 01/10/25
Unweighted mean
DJF 2025/26

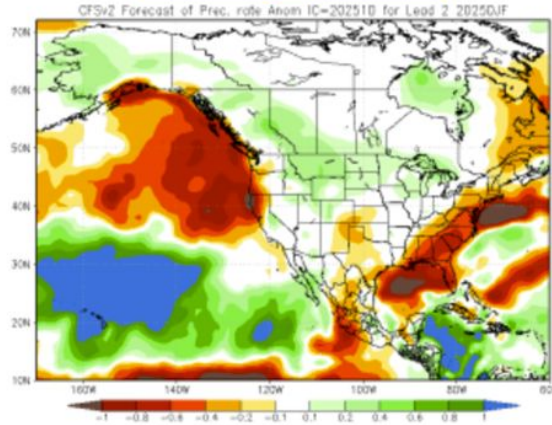


C3S multi-system seasonal forecast ECMWF/Met Office/Météo-France/CMCC/DWD/NCEP/JMA/ECCC/BOM
Prob(precipitation > median)
Nominal forecast start: 01/09/25
Unweighted mean
DJF 2025/26

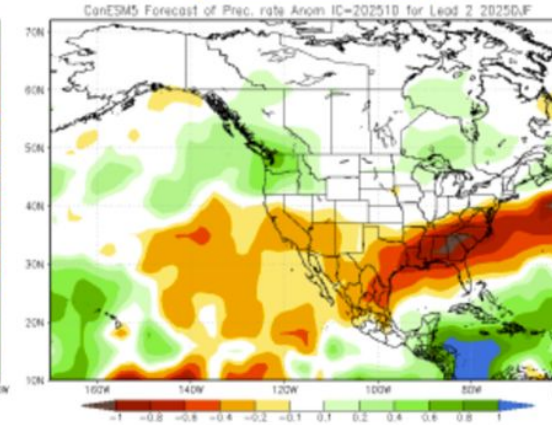


Dec-Feb Seasonal Prediction

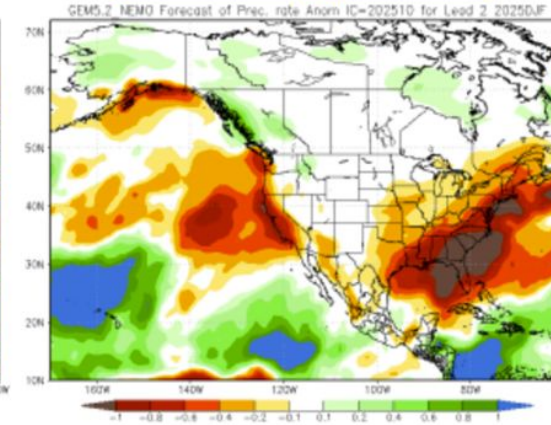
NCEP_CFSv2



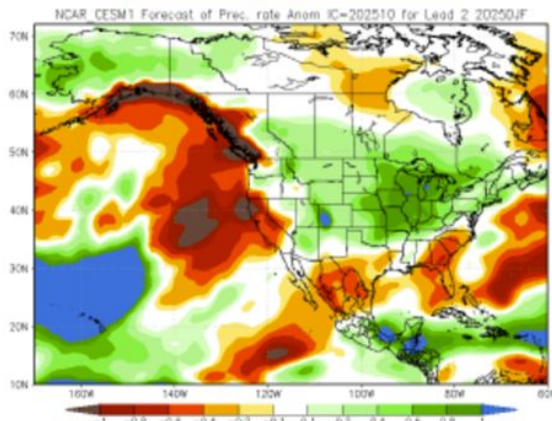
CanESM5



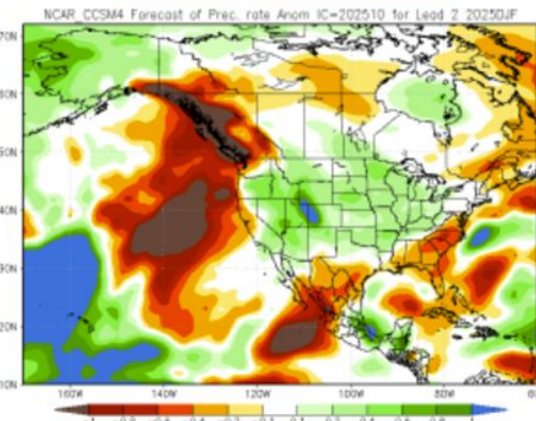
GEM5.2_NEMO



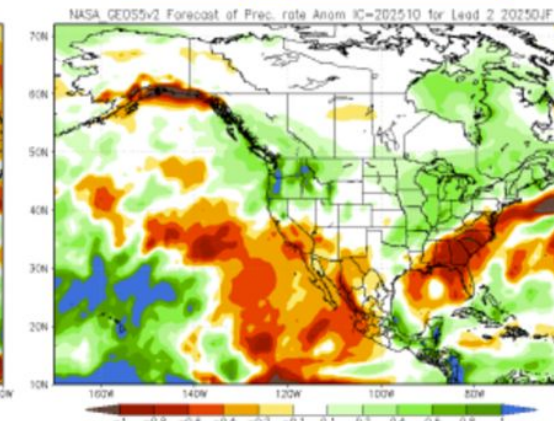
NCAR_CESM1



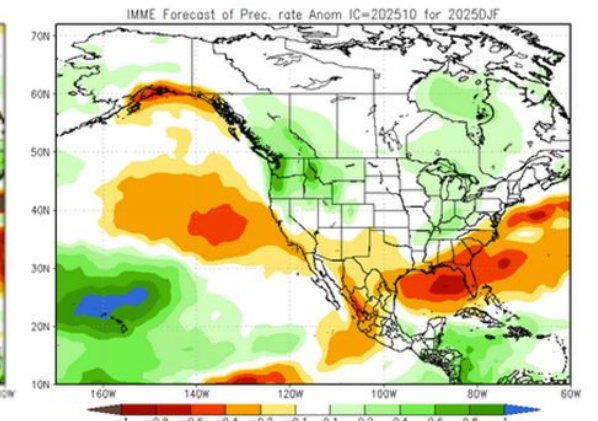
NCAR_CCSM4



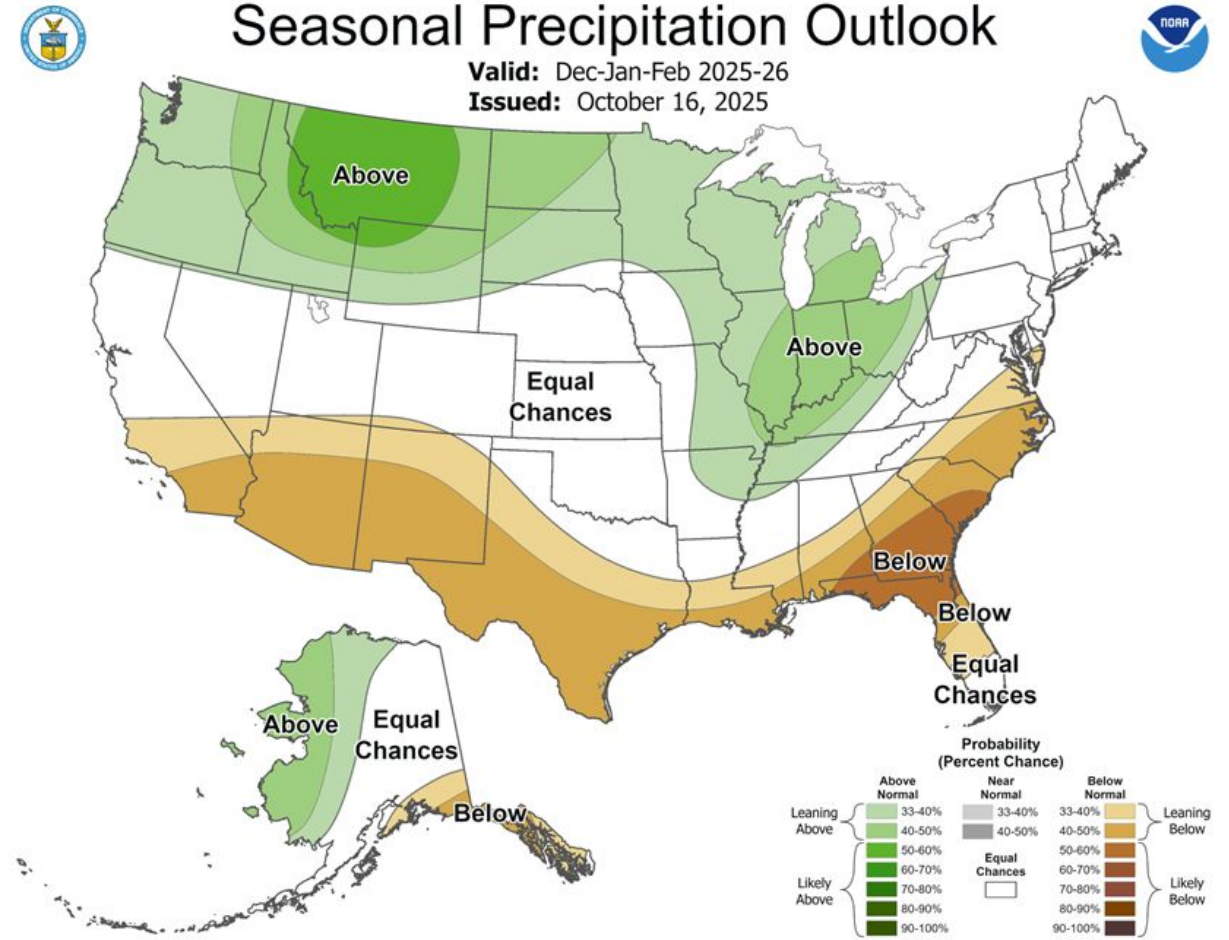
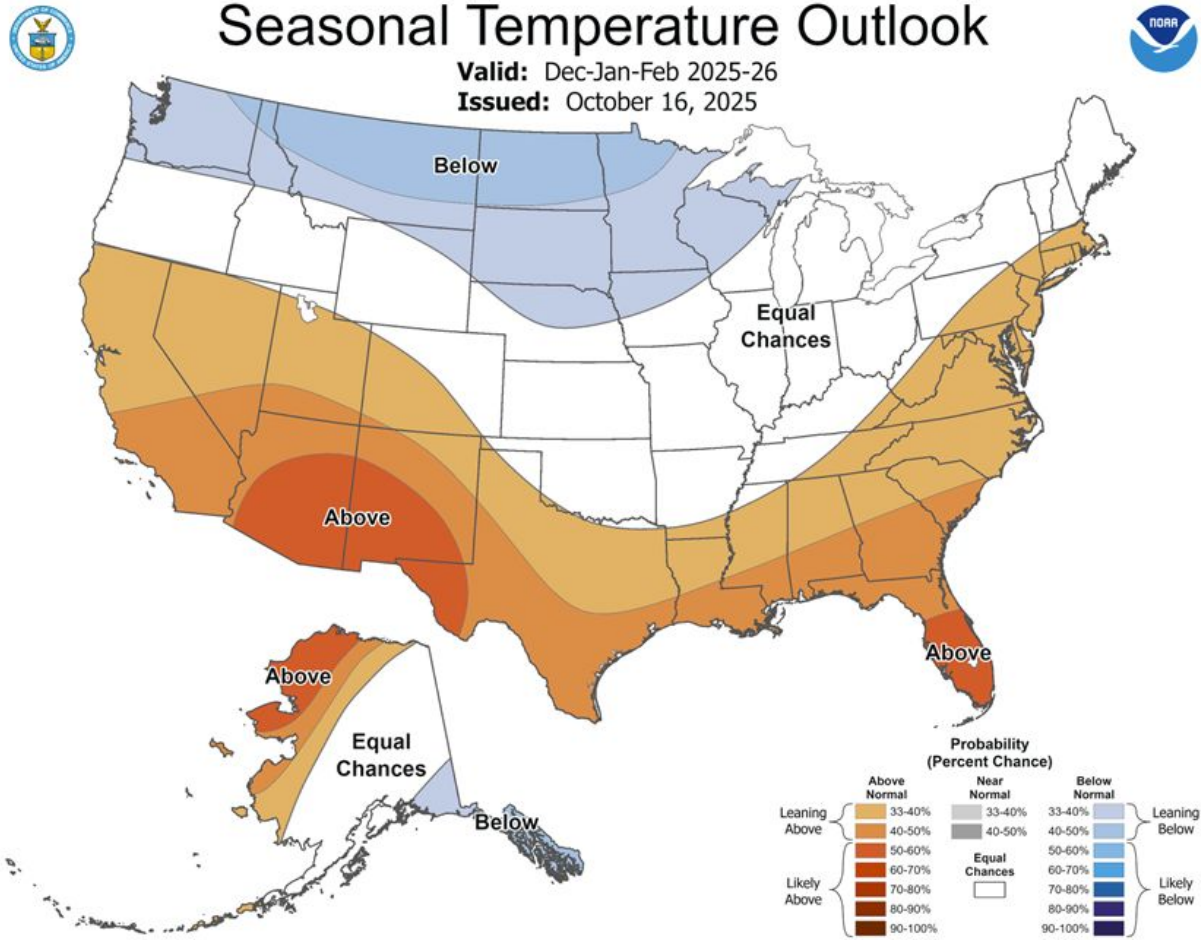
NASA_GEOS5v2



IMME

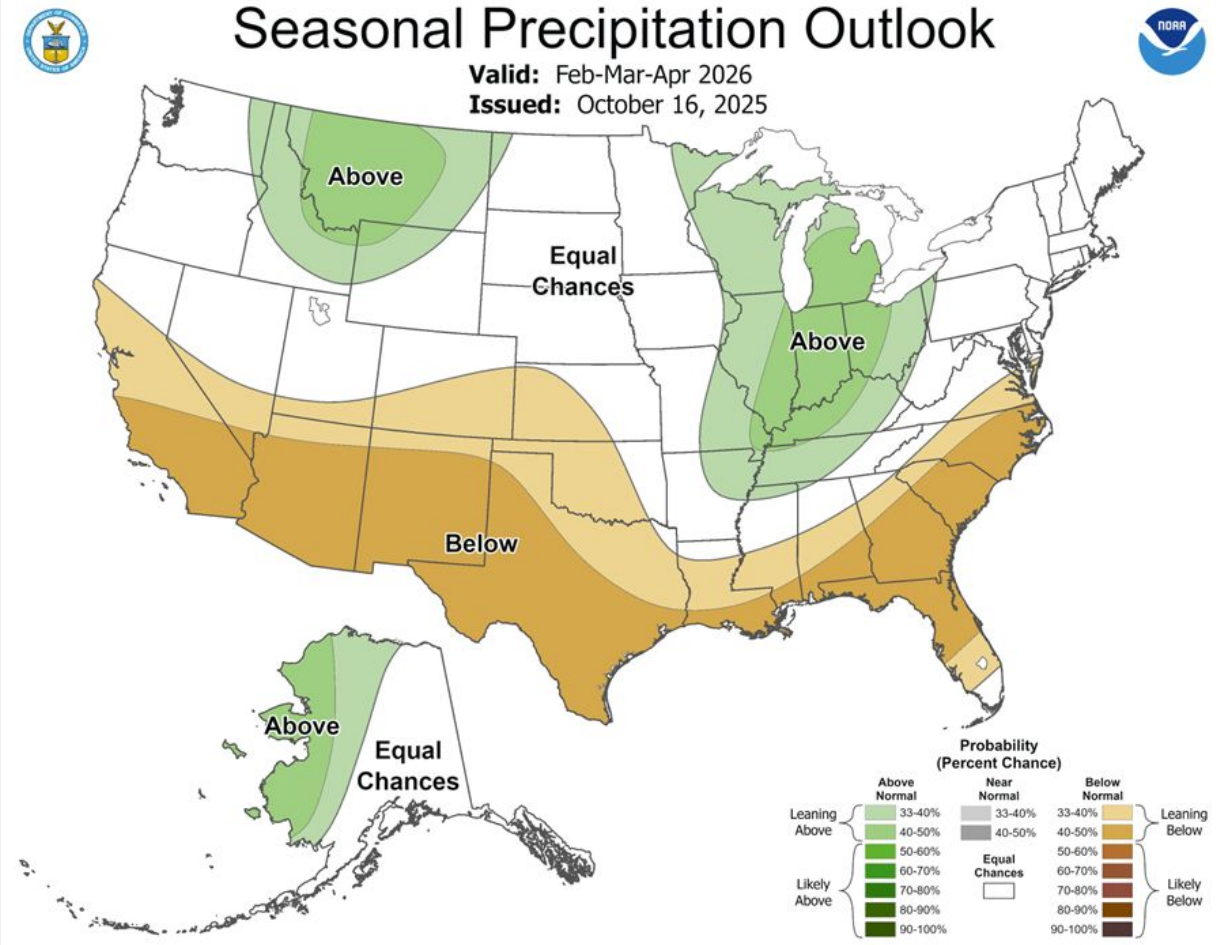
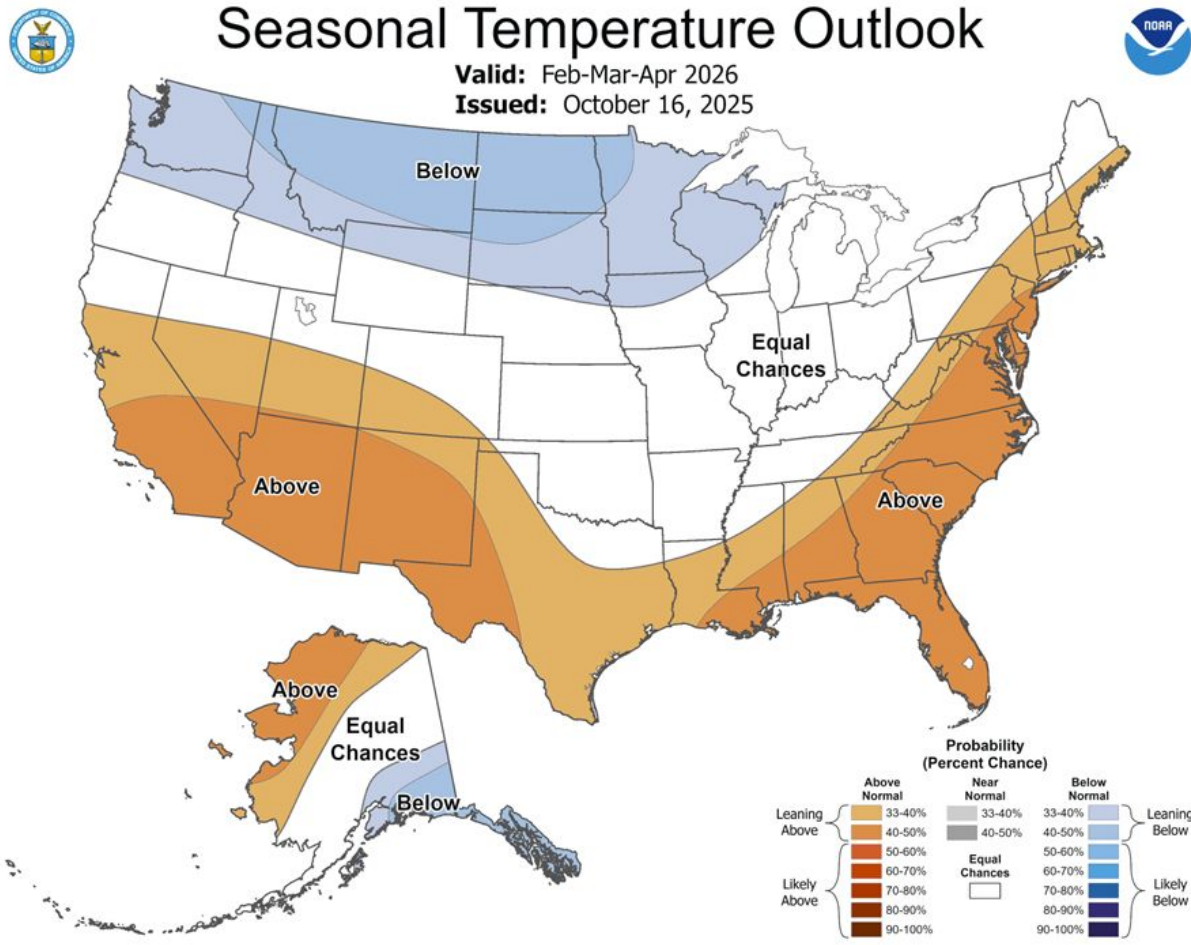


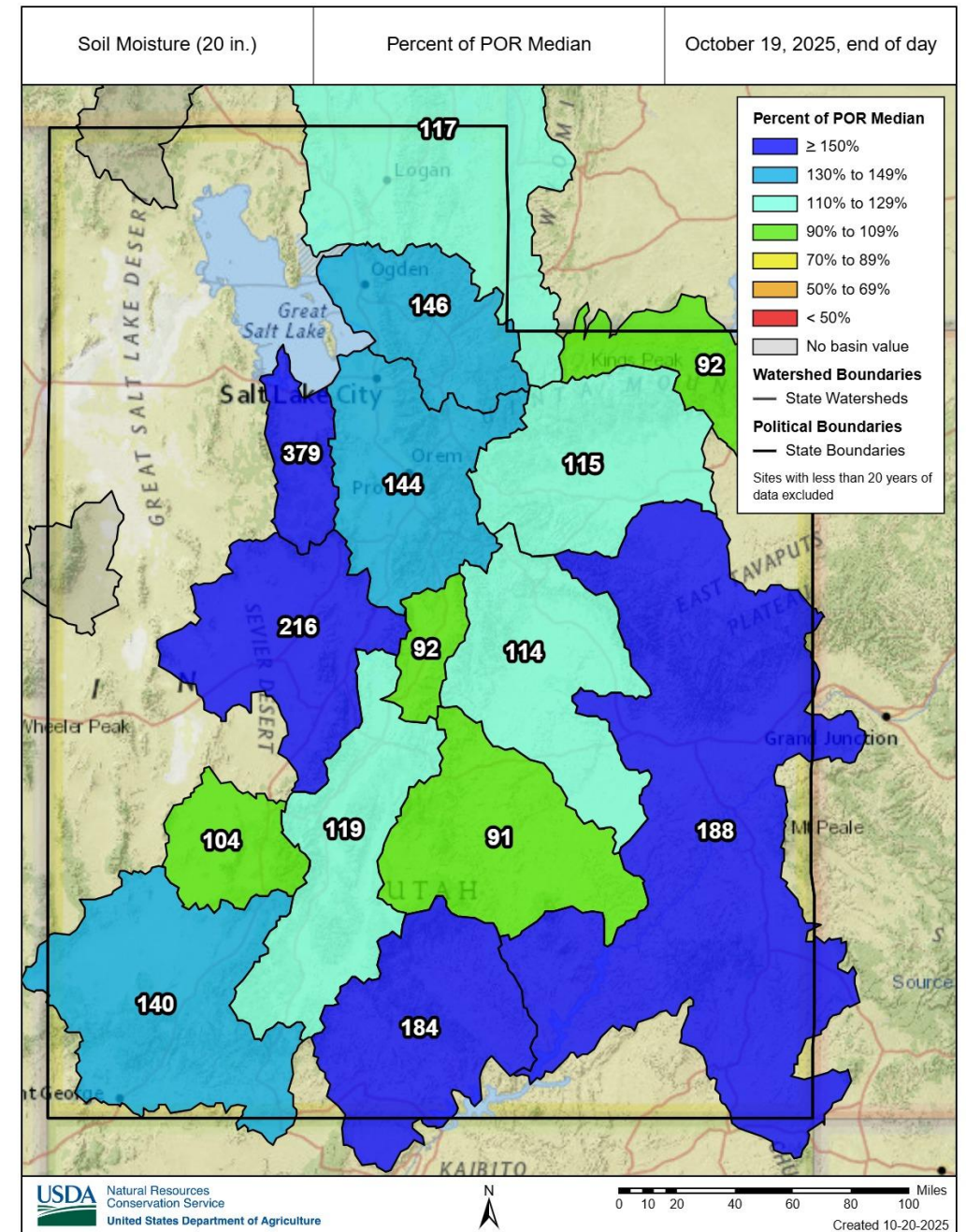
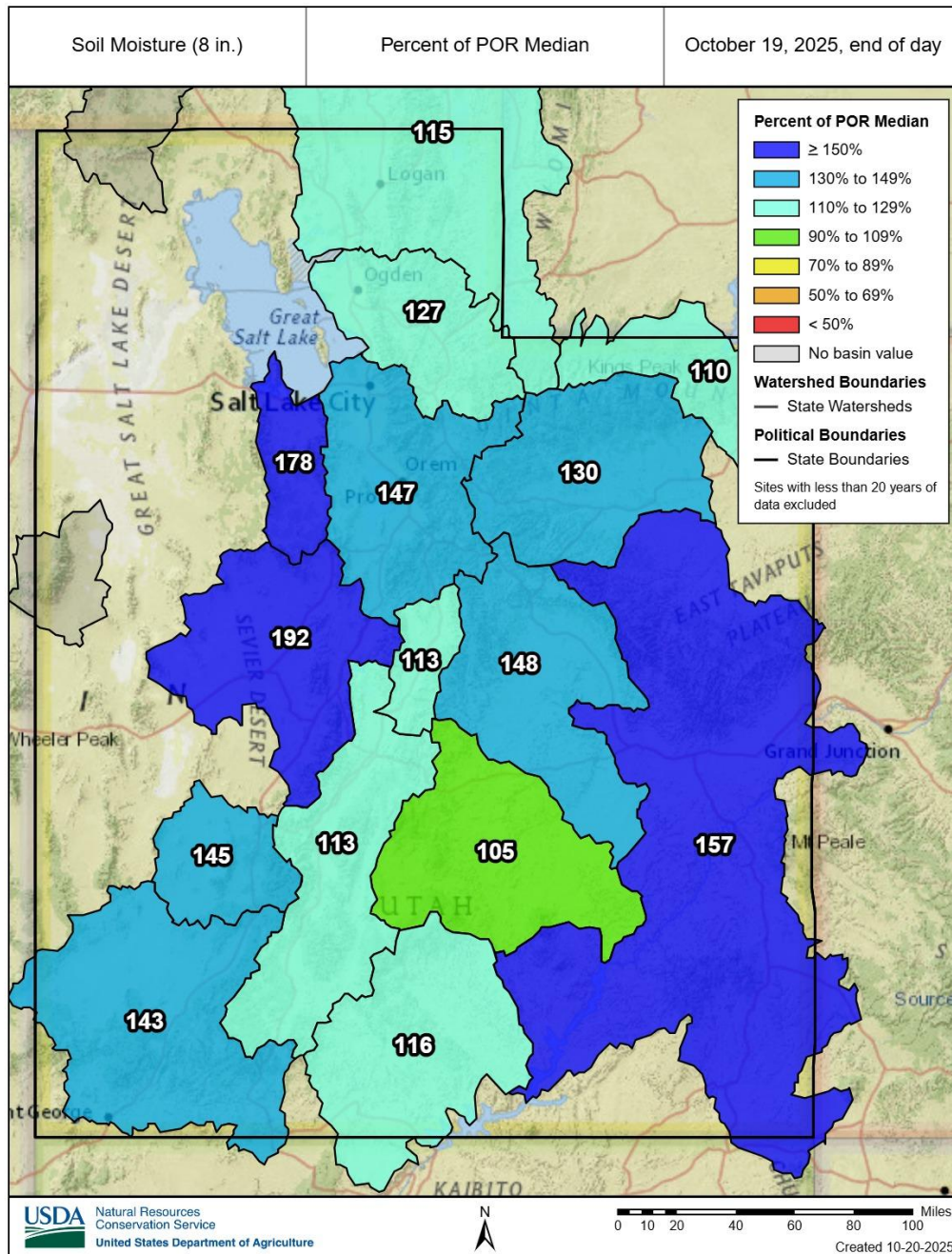
CPC Dec-Feb Outlook

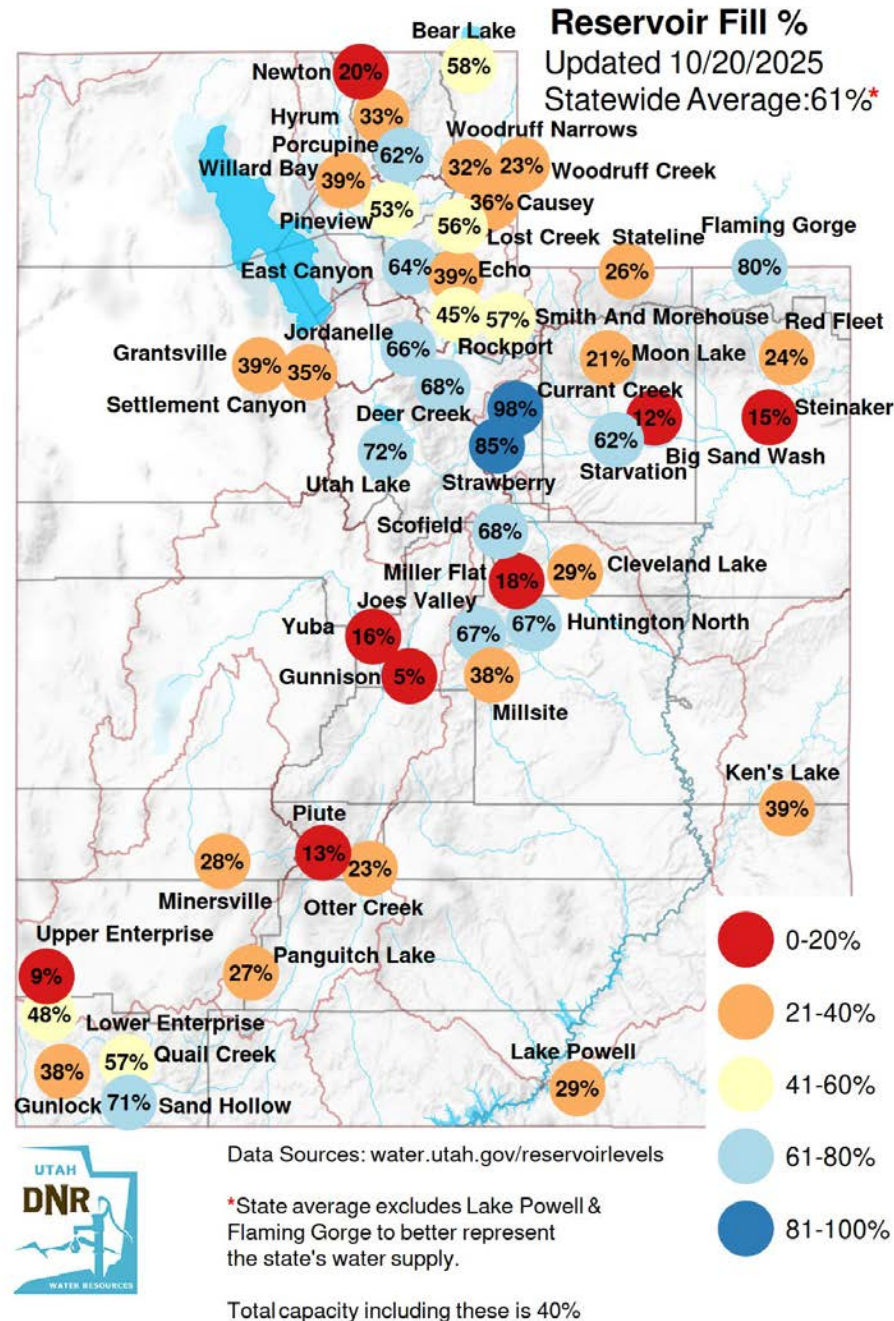


Agency - Utah Climate Center
Presenter - Jon Meyer

CPC Feb-Apr Outlook



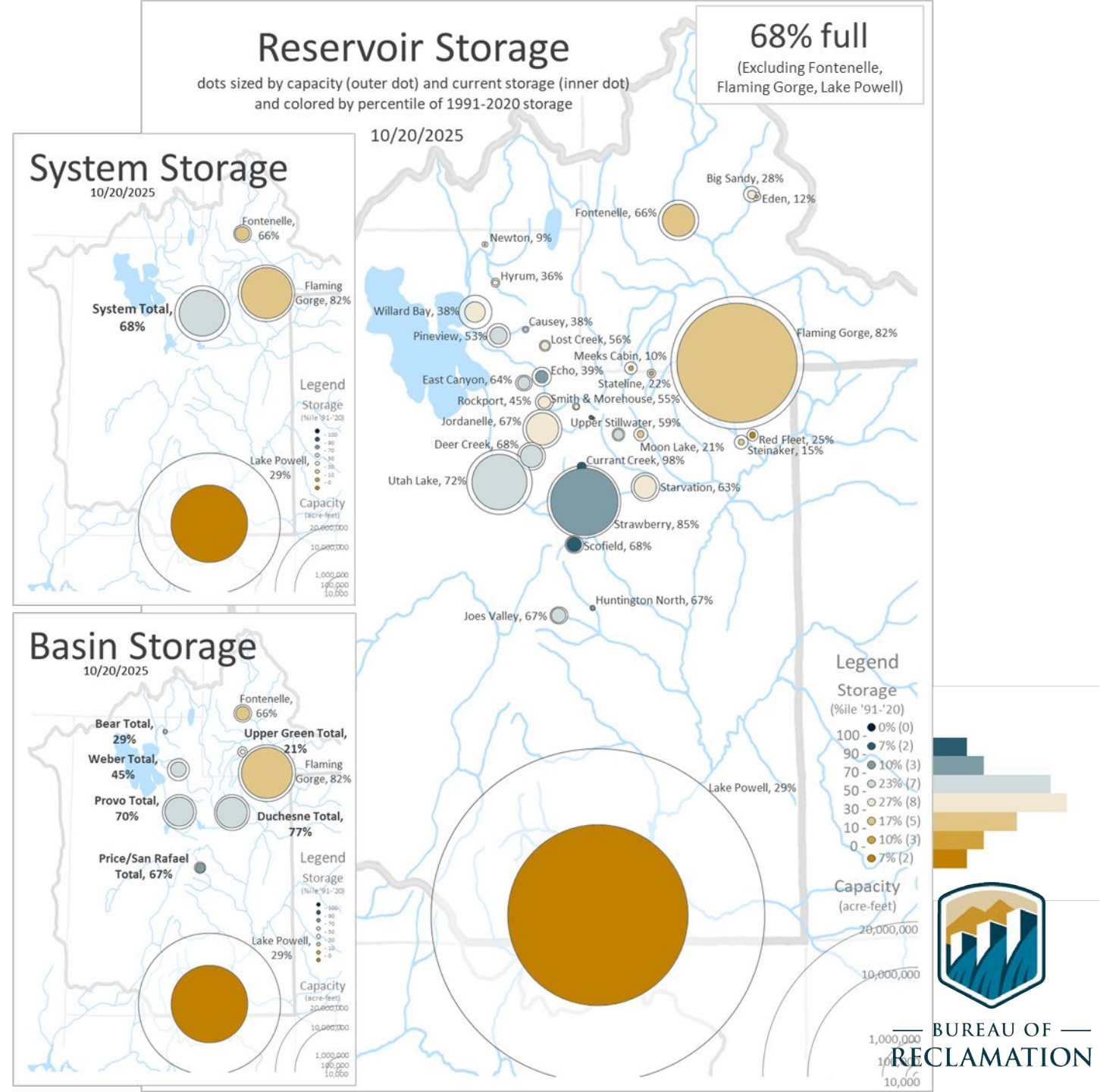




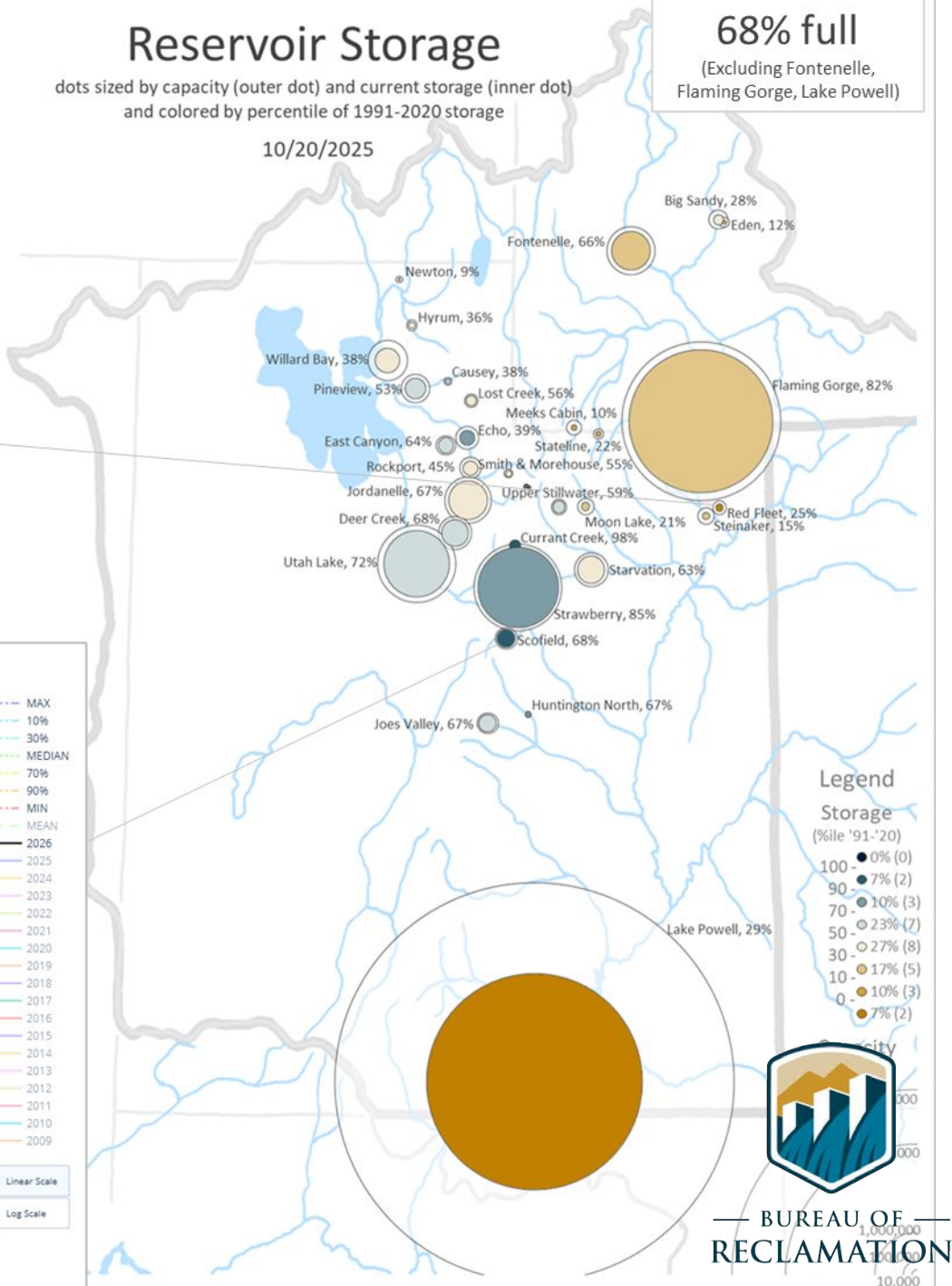
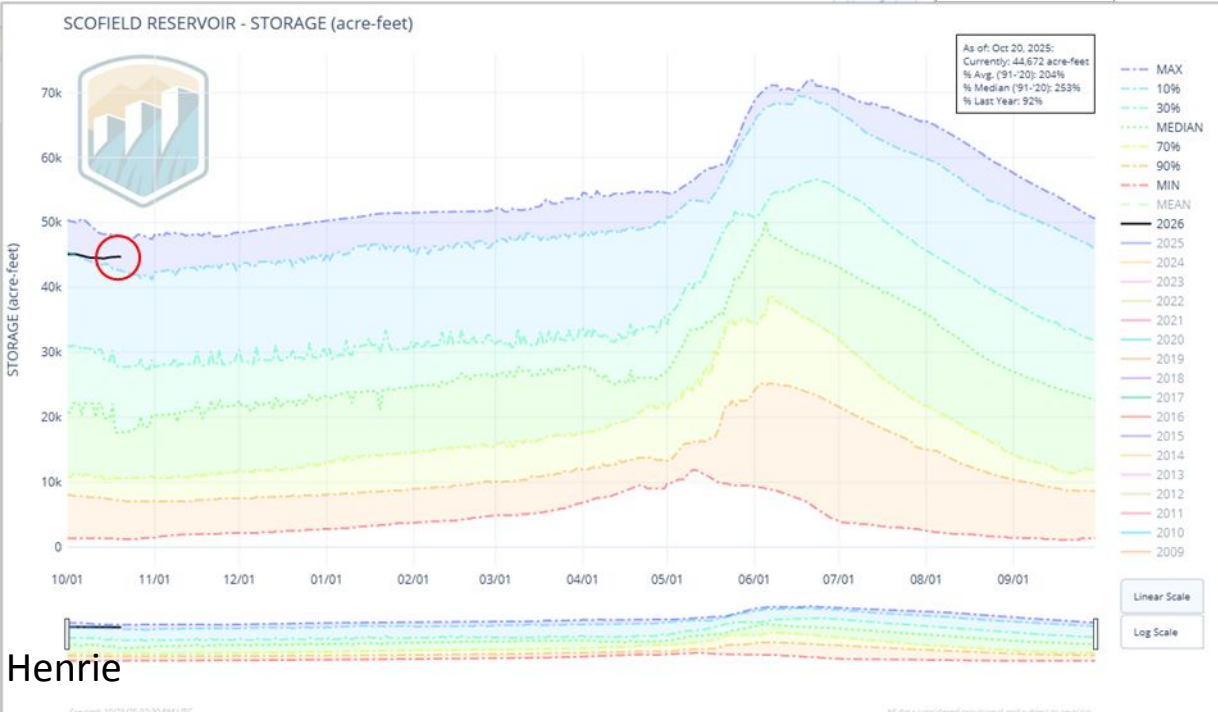
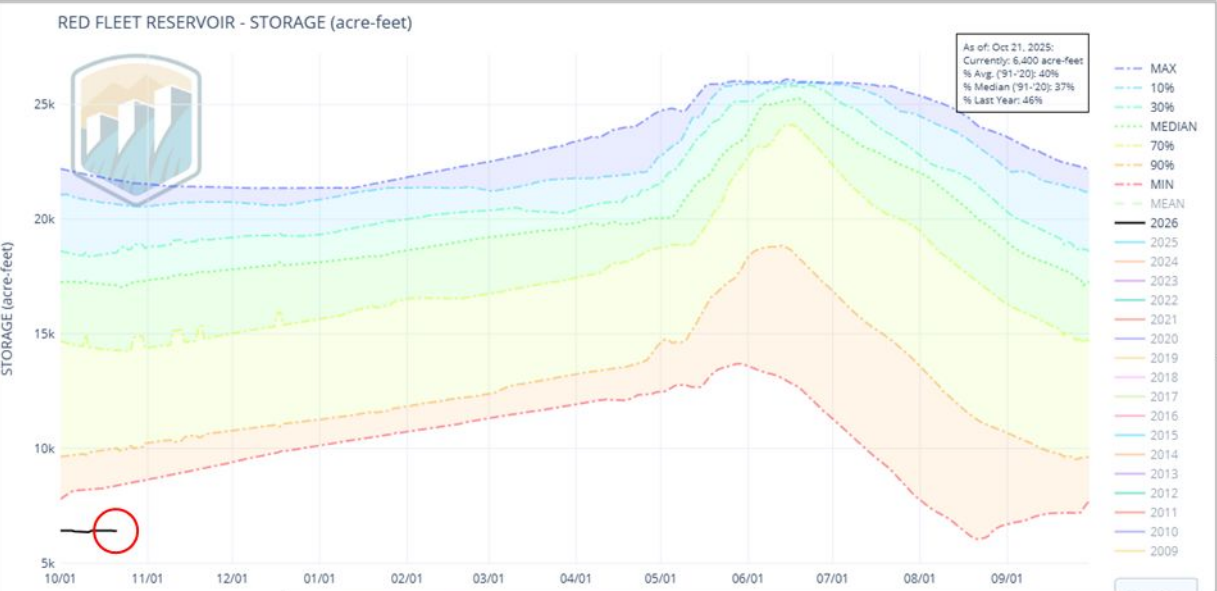
Reservoir Levels

- **Overall reservoir storage is at 68% full**
(Excluding Powell, Flaming Gorge, Fontenelle)
 - ~0.6% lower than last month (68%)
 - ~12% lower than last year (~80%)
 - ~2% higher than the 22-year average (~66%)
- **Reservoirs range from 9-85% full**
 - 12/30 are above the 30-year median
 - centered ~30-50th percentile
- **Outlook**
 - storage transitioning to slowly increasing
 - looking forward to the winter snowpack

Agency - BOR
Presenter - Gary Henrie



Reservoir Levels

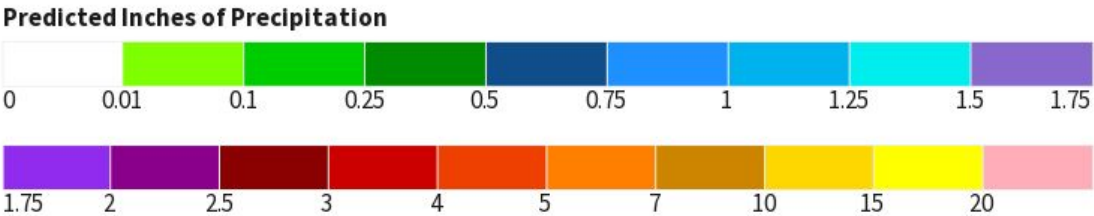
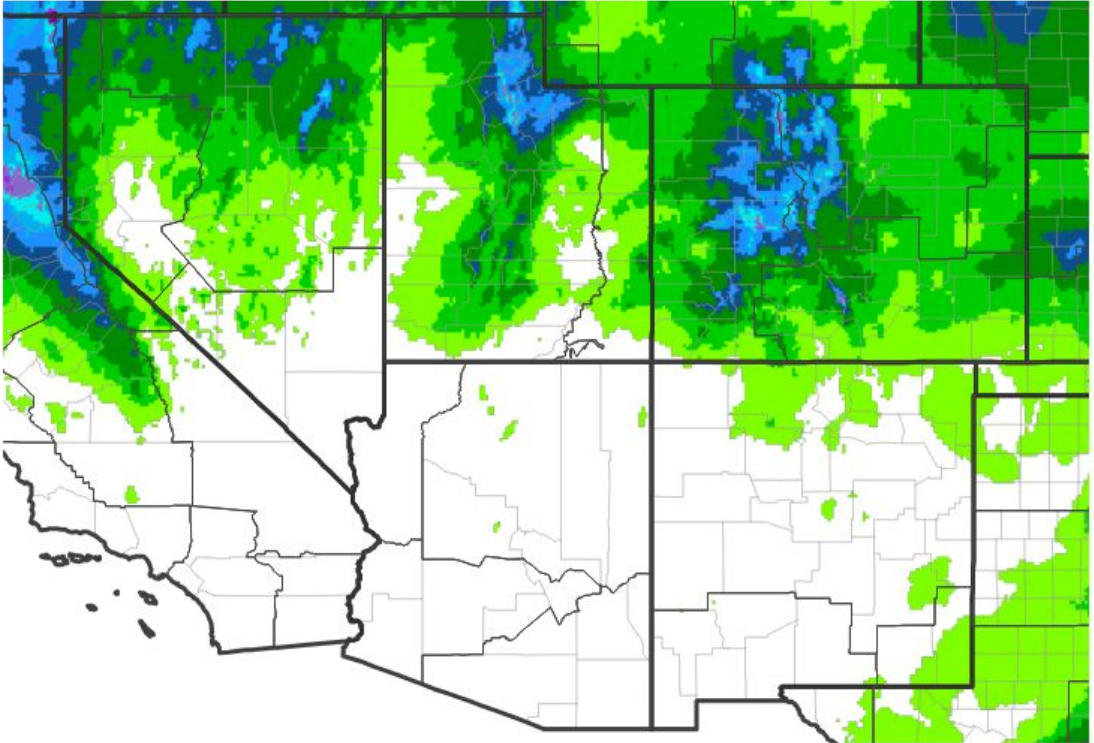


Agency - BOR
Presenter - Gary Henrie

Weather Forecast Office Utah Day 1-7 Outlook



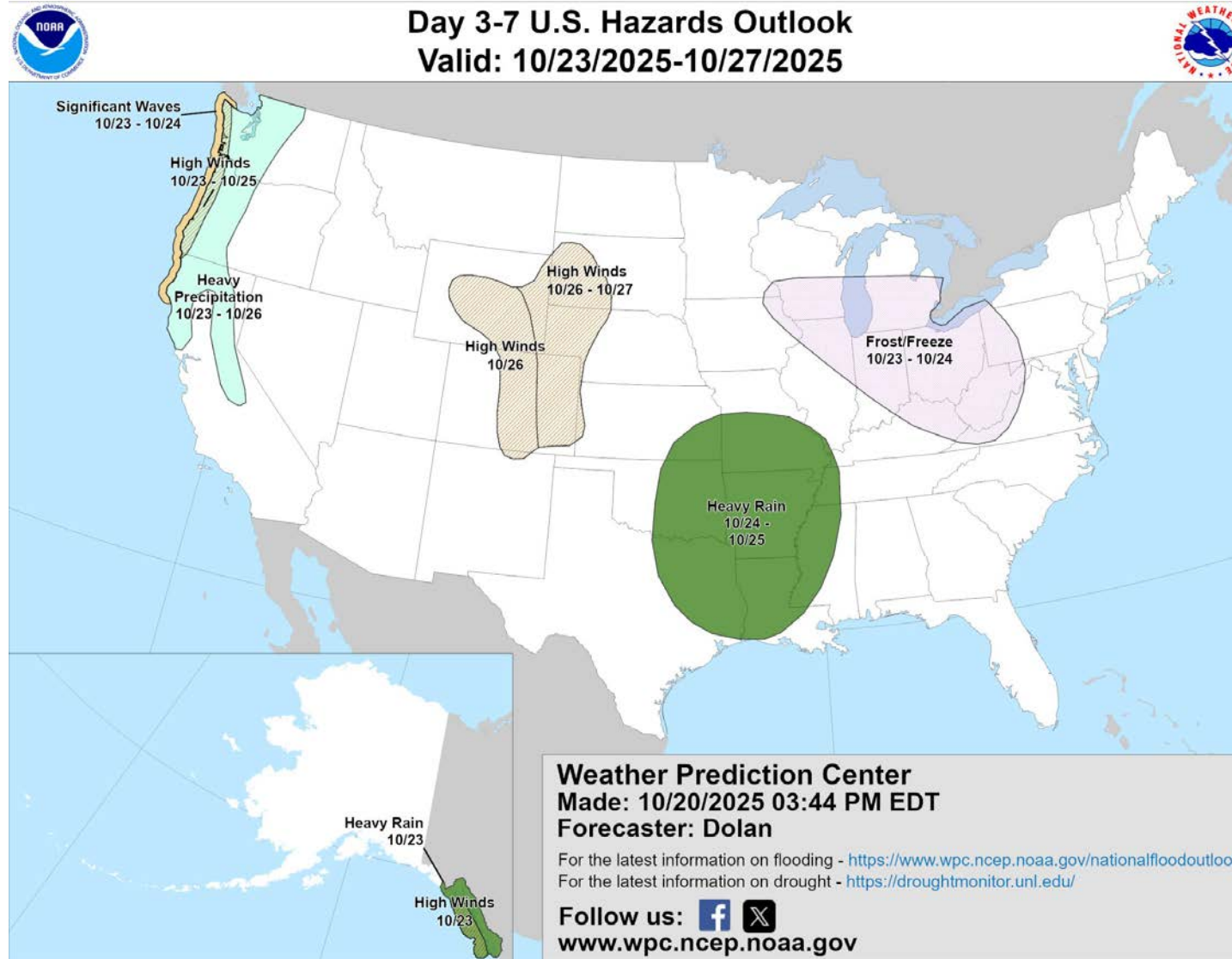
7-Day Quantitative Precipitation Forecast for October 21,
2025–October 28, 2025



Source(s): National Weather Service Weather Prediction Center; image courtesy of Drought.gov

Last Updated: 10/21/25

Weather Prediction Center U.S. Day 3-7 Hazards Outlook



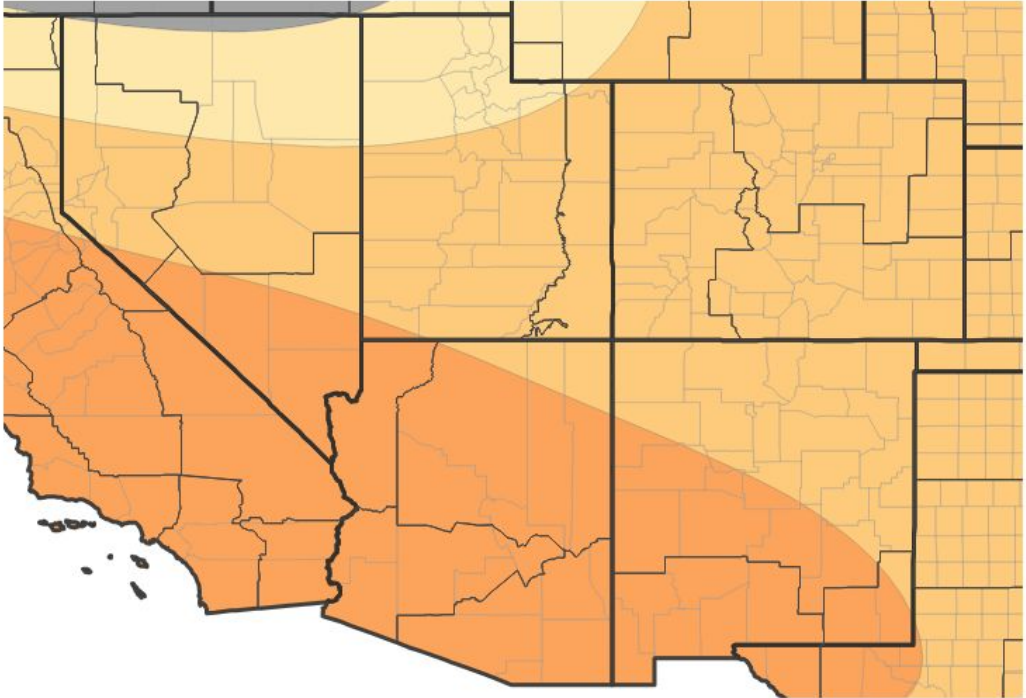
Agency - National Weather Service Weather Forecast Office

Presenter - Jon Wilson

Climate Prediction Center 8 to 14 Day Outlooks - Temperature



8-14 Day Temperature Outlook for October 28,
2025–November 3, 2025



Probability of Below-Normal Temperatures



Probability of Above-Normal Temperatures



Near-Normal Conditions

Source(s): Climate Prediction Center; image courtesy of Drought.gov

Last Updated: 10/20/25

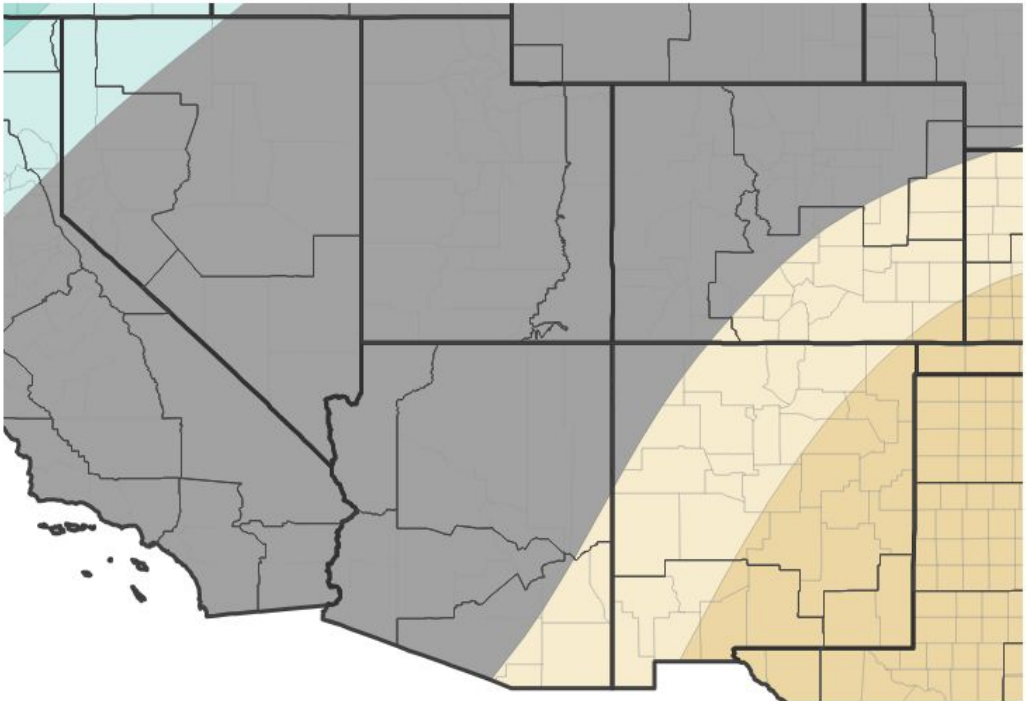
Agency - National Weather Service Weather Forecast Office

Presenter - Jon Wilson

Climate Prediction Center 8 to 14 Day Outlooks - Precipitation



8-14 Day Precipitation Outlook for October 28,
2025-November 3, 2025



Probability of Below-Normal Precipitation



Probability of Above-Normal Precipitation



Near-Normal Conditions

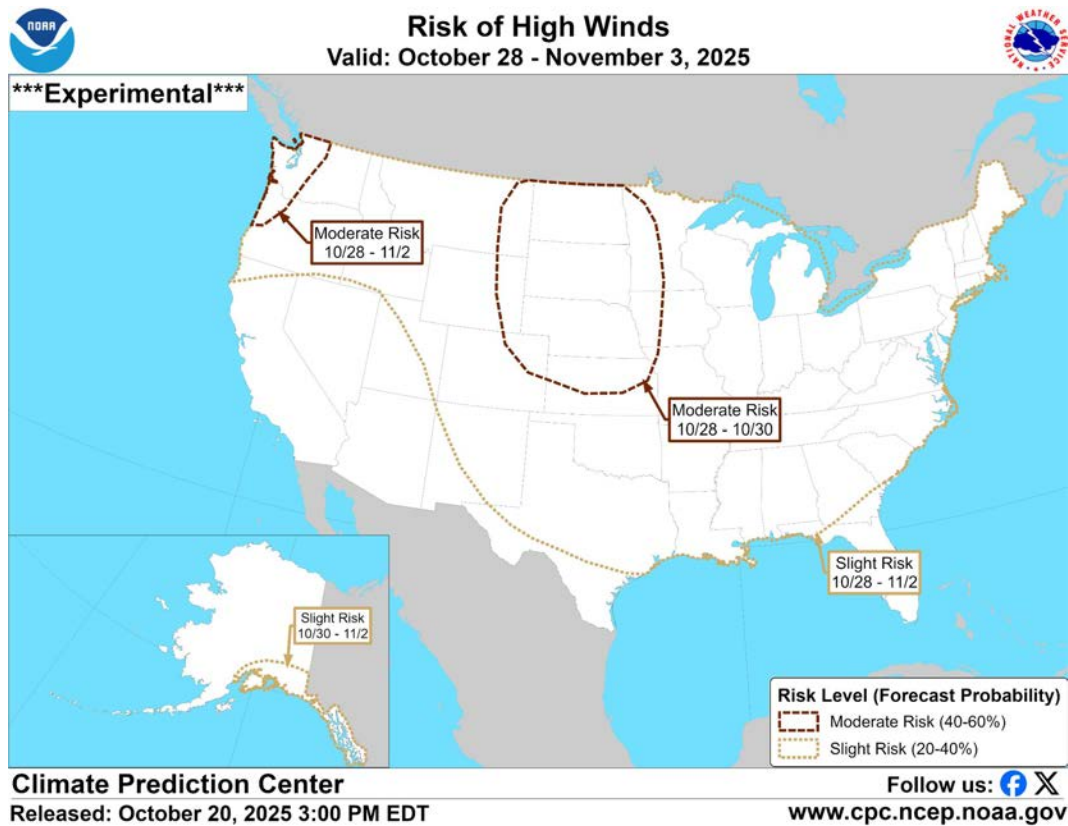
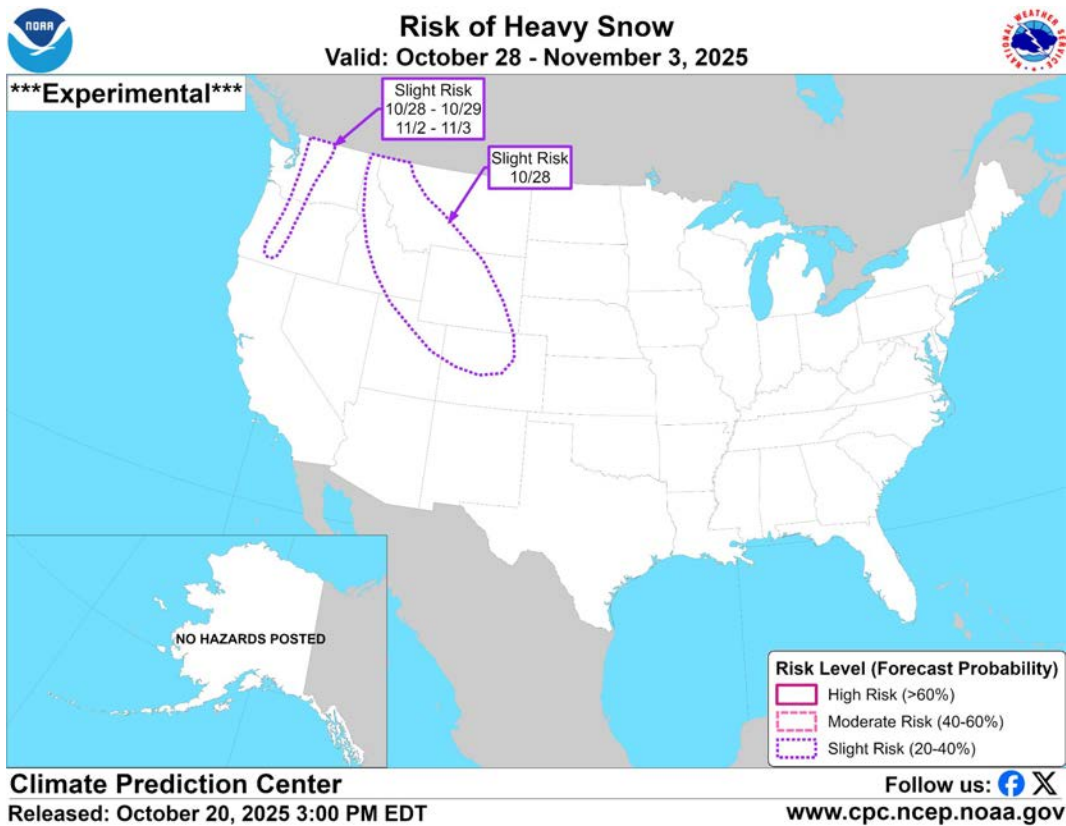
Source(s): Climate Prediction Center; image courtesy of Drought.gov

Last Updated: 10/20/25

Agency - National Weather Service Weather Forecast Office

Presenter - Jon Wilson

Climate Prediction Center U.S. Week-2 Hazards Outlook



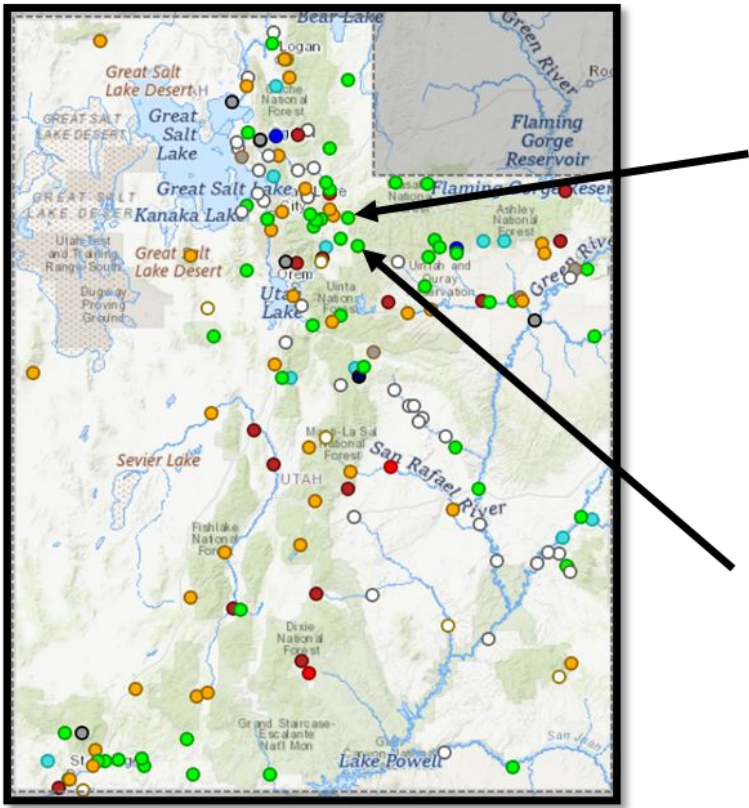
Oct. 21, 2025
~09:00 am

Agency - USGS Utah WSC
Presenter - Ryan Rowland

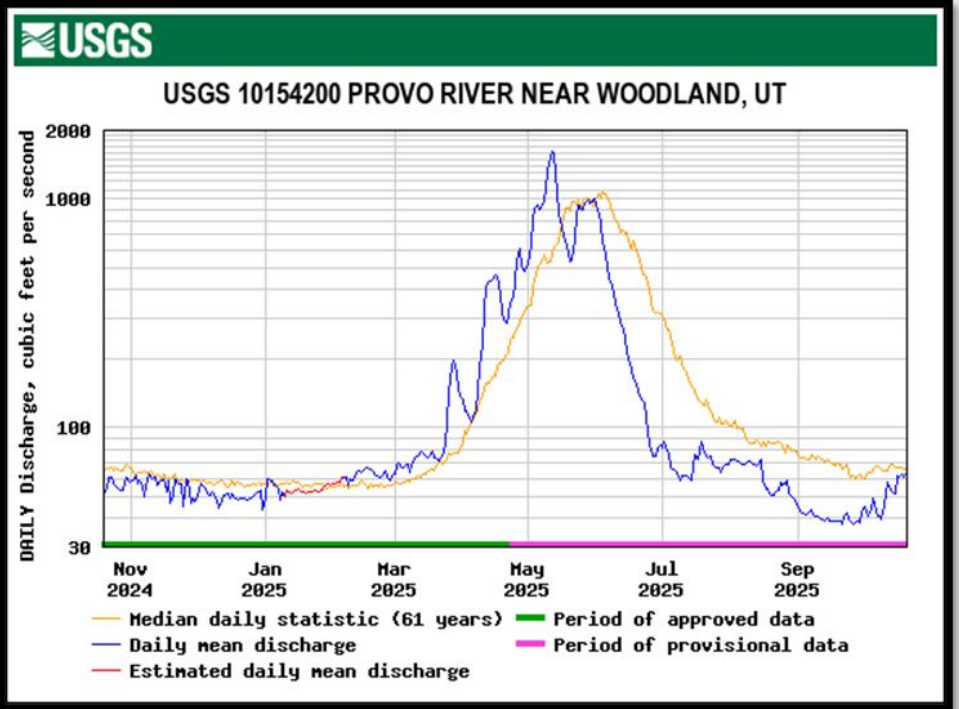
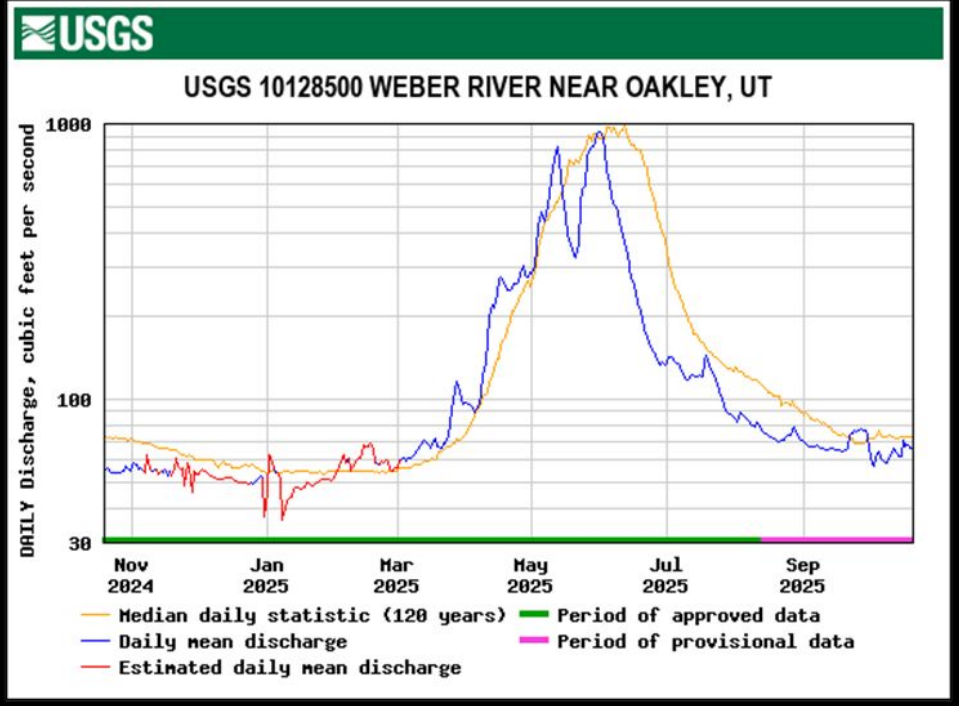
Percentage of
gages in
percentile class

Provisional data, subject to revision

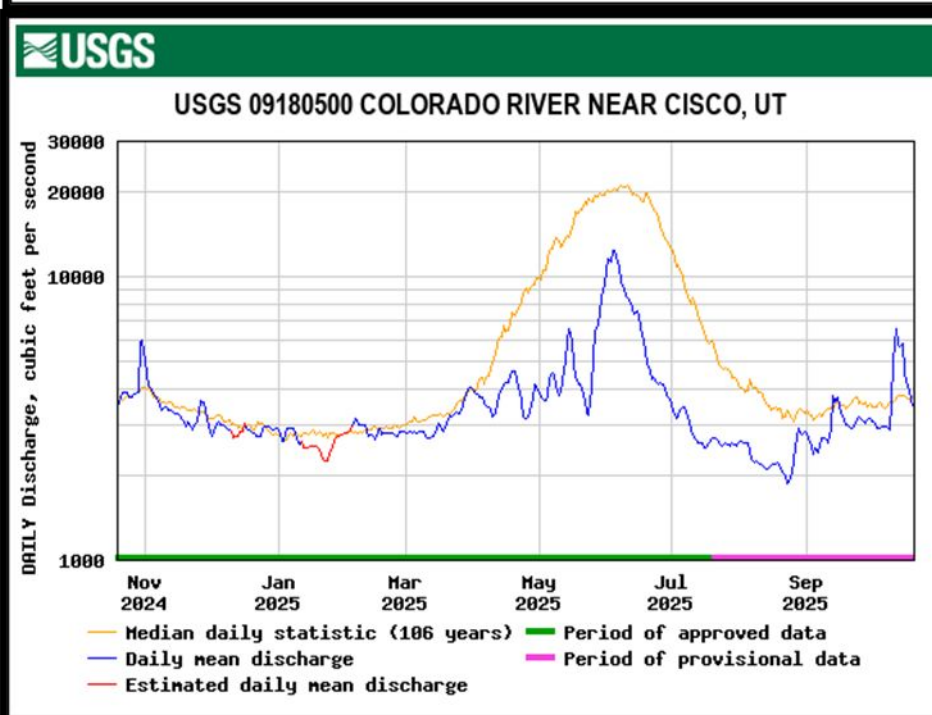
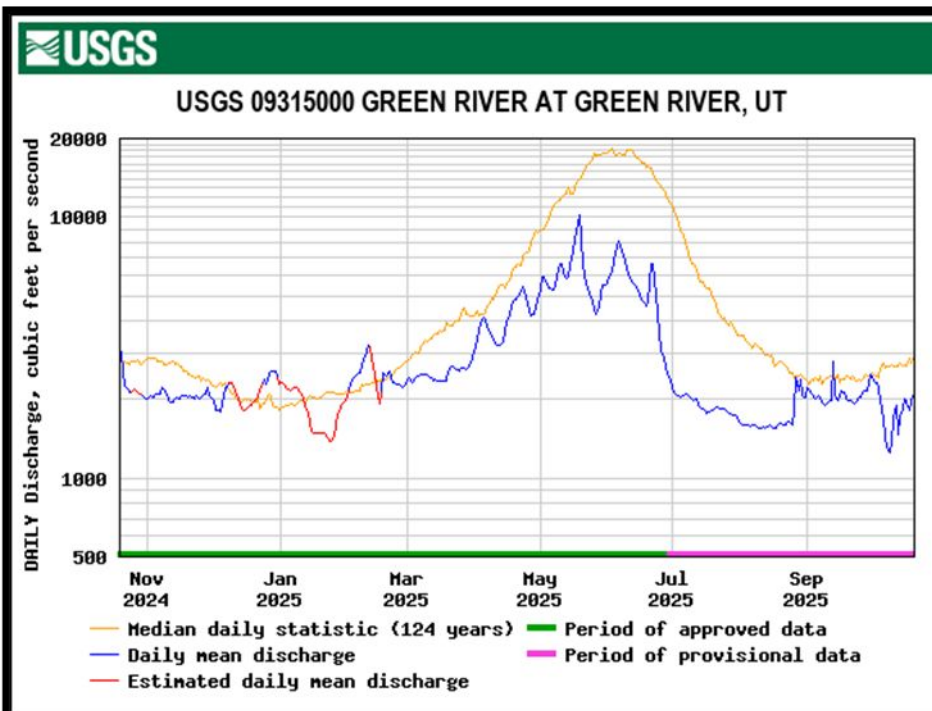
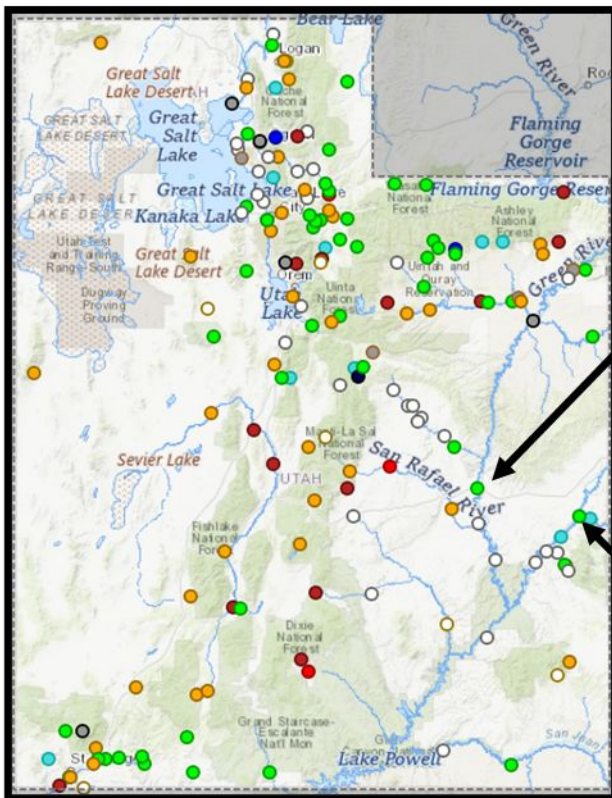
Streamflow at Selected Gages



Provisional data,
subject to revision

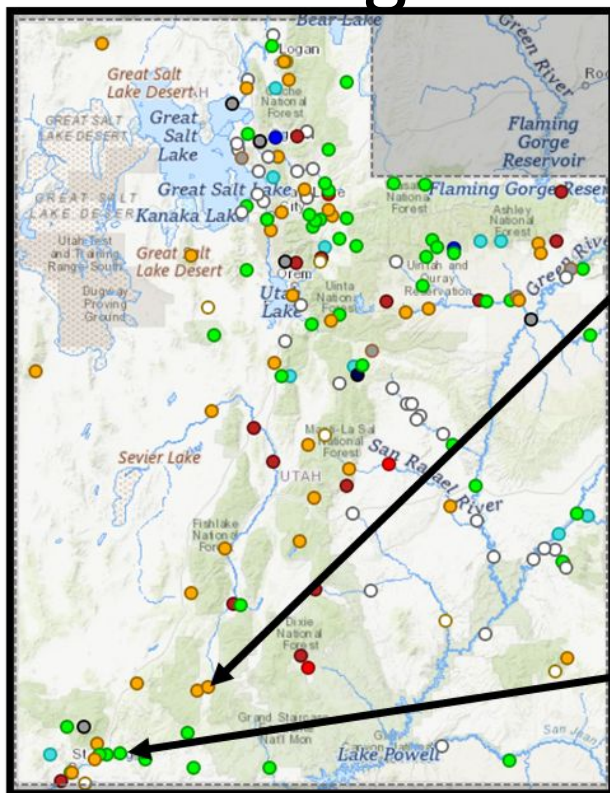


Streamflow at Selected Gages

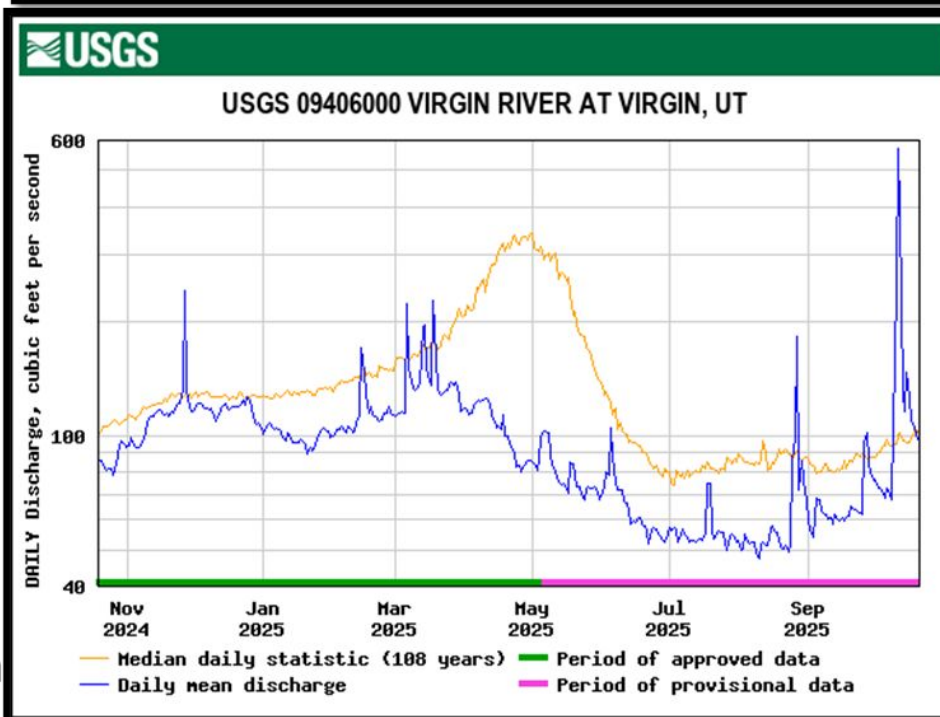
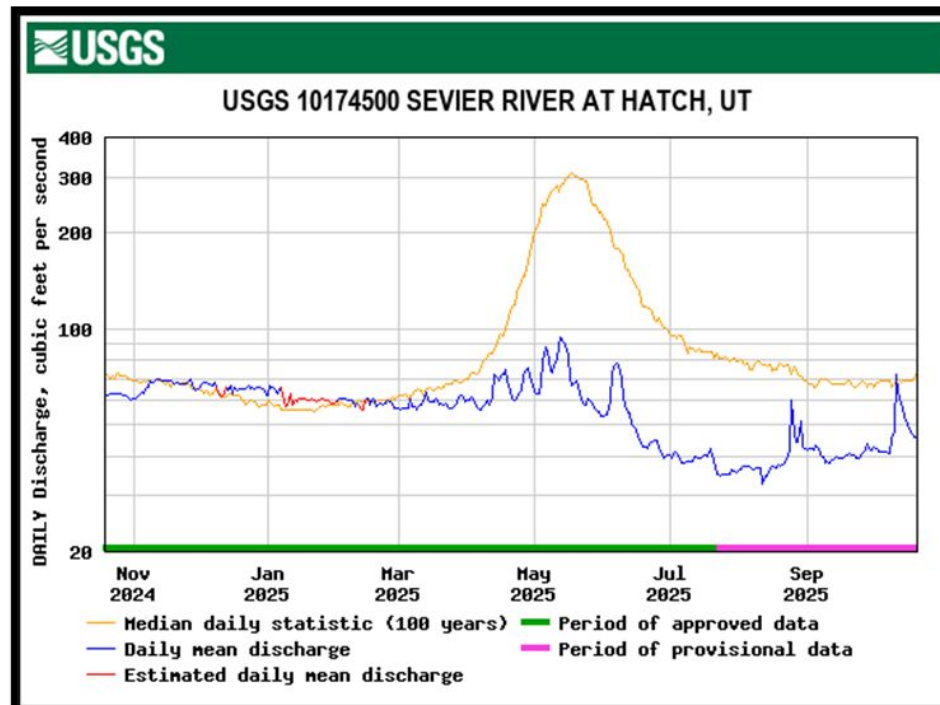


Provisional data,
subject to revision

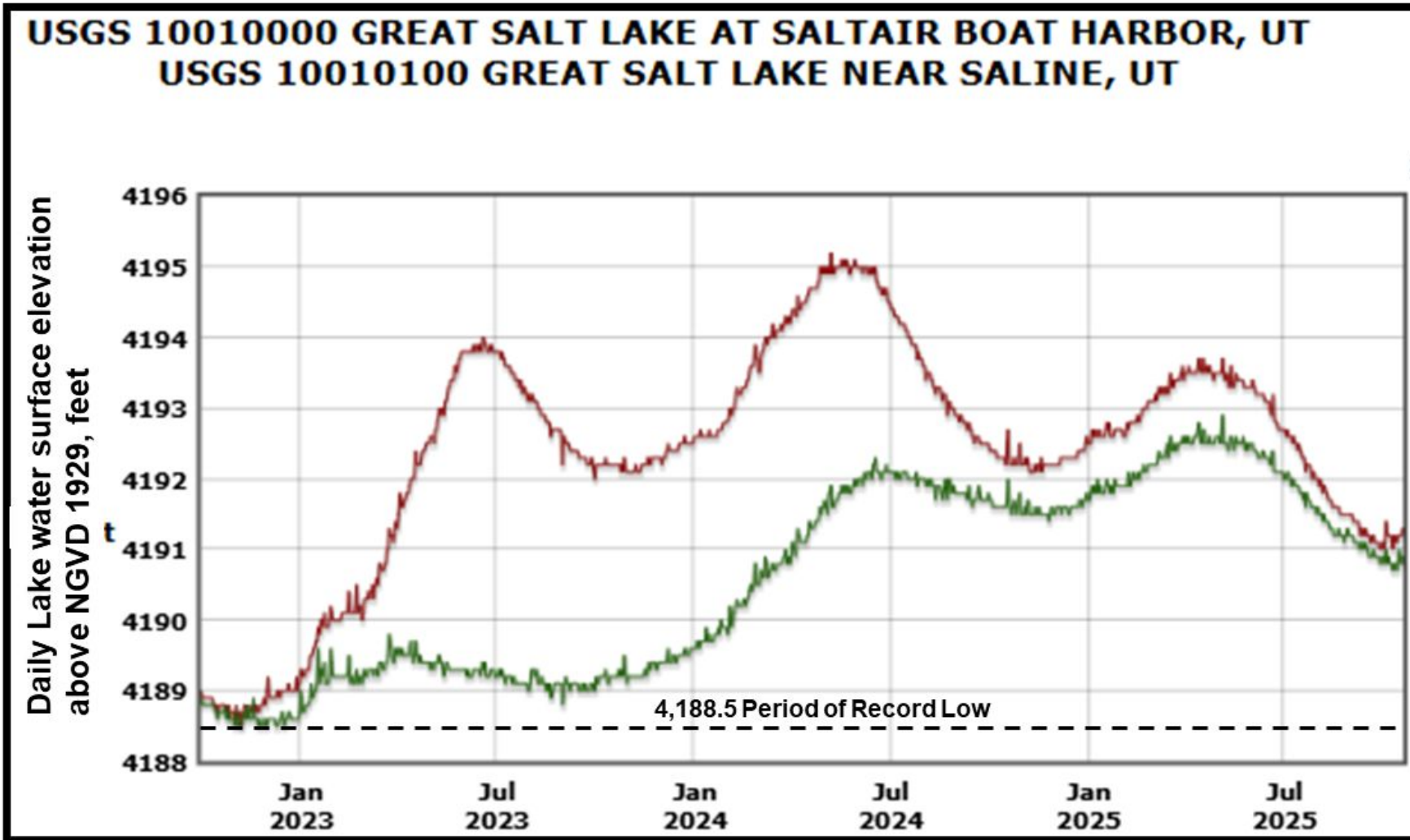
Streamflow at Selected Gages



Provisional data,
subject to revision



Great Salt Lake Water Surface Elevations



Explanation	
✓	USGS 10010000 (Mean)
✓	USGS 10010100 (Mean)

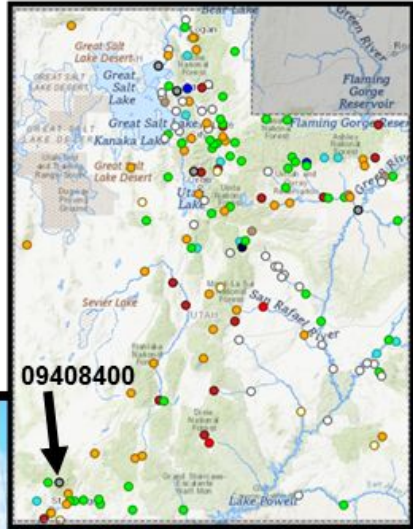
Provisional data,
subject to revision

Daily Values
10/20/2025

❑ **South Arm:**
4,191.3'

❑ **North Arm:**
4,190.9'

Debris/Flood Flow Images at Station 09408400 - Santa Clara River near Pine Valley, Utah



Agency - USGS Utah WSC
Presenter - Ryan Rowland

*Check out station's camera imagery at USGS
HIVIS website or station's real time data website*

U.S. Drought Monitor Utah

October 14, 2025
(Released Thursday, Oct. 16, 2025)
Valid 8 a.m. EDT

Intensity:

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

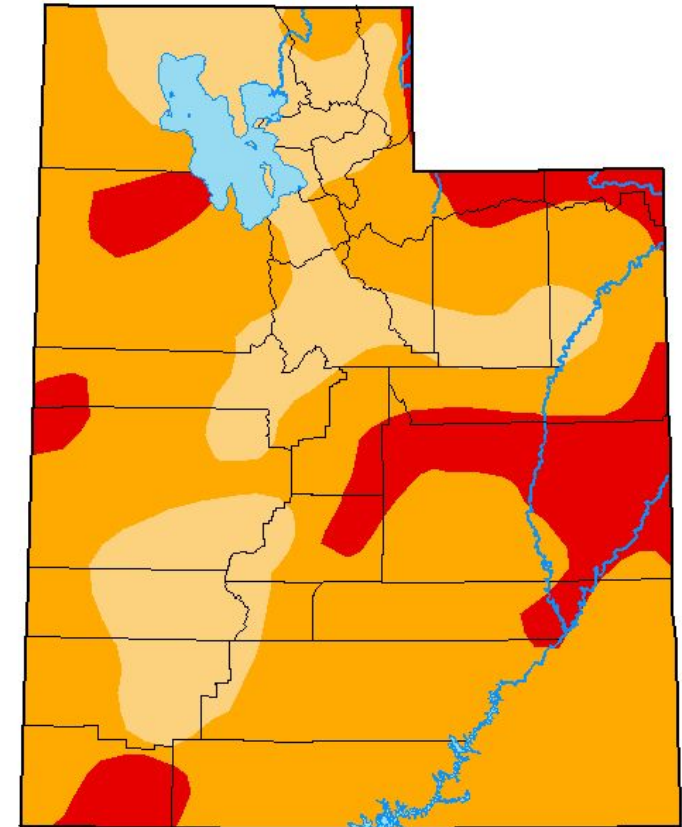
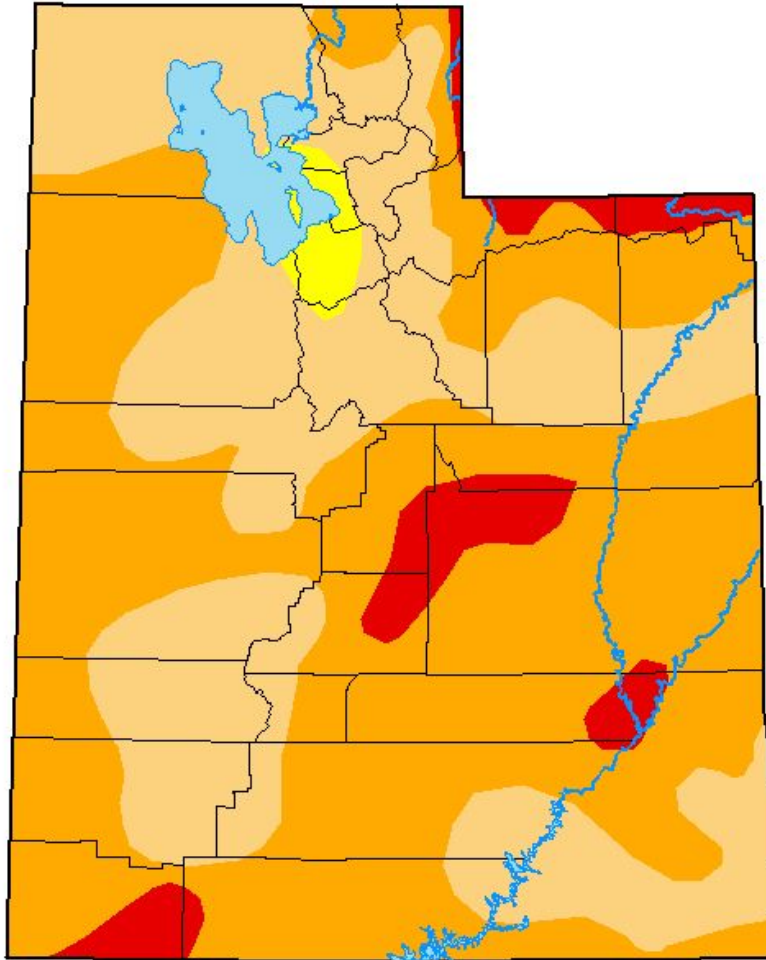
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Richard Tinker
CPC/NOAA/NWS/NCEP



droughtmonitor.unl.edu



To report on conditions between meetings:

Submit a report on CMOR drought website

Email Lhaskell@utah.gov

email drought@utah.gov