



Utah Water Conditions (drought webinar)

The meeting will begin shortly



Thank you to our contributors

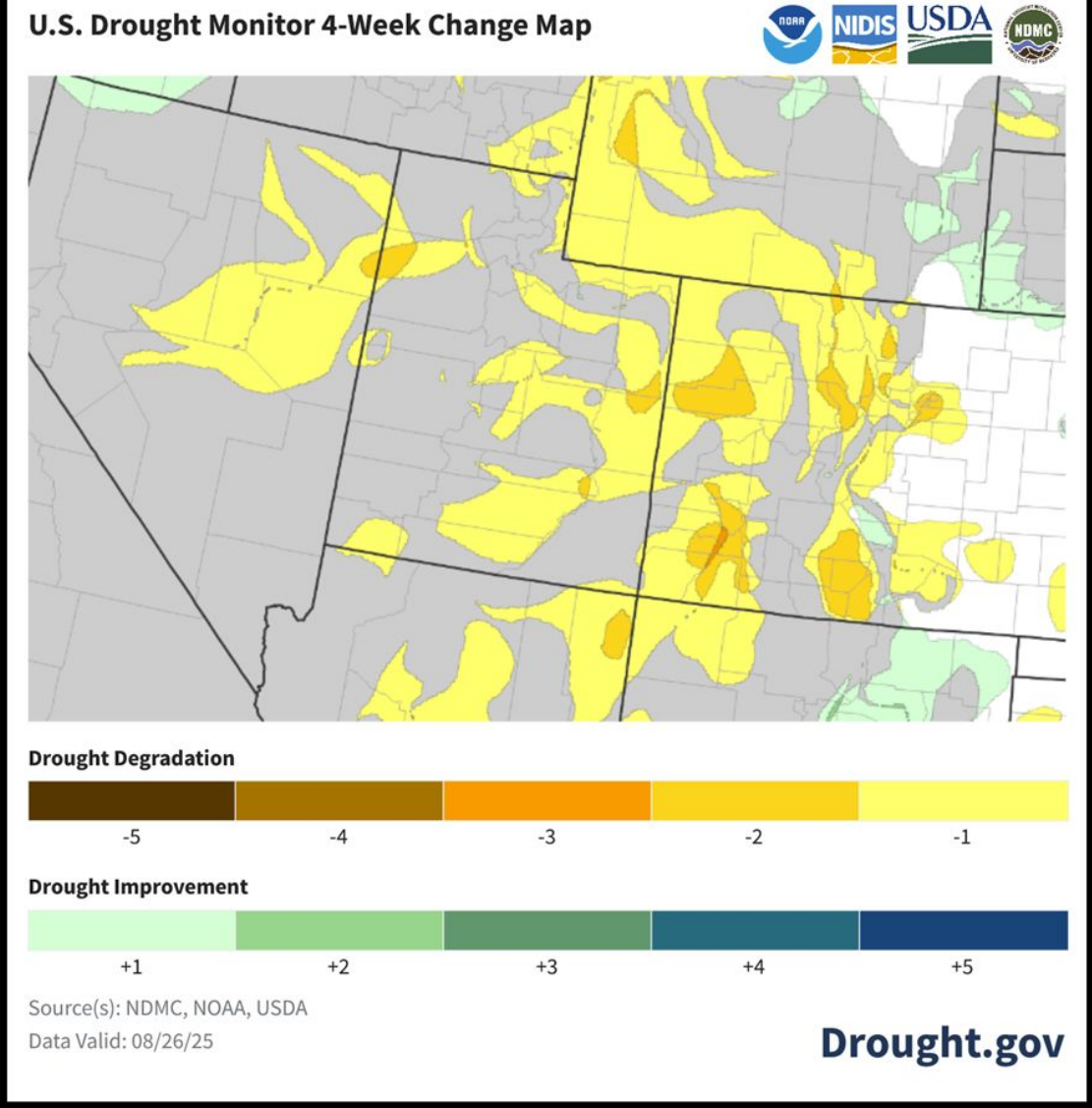
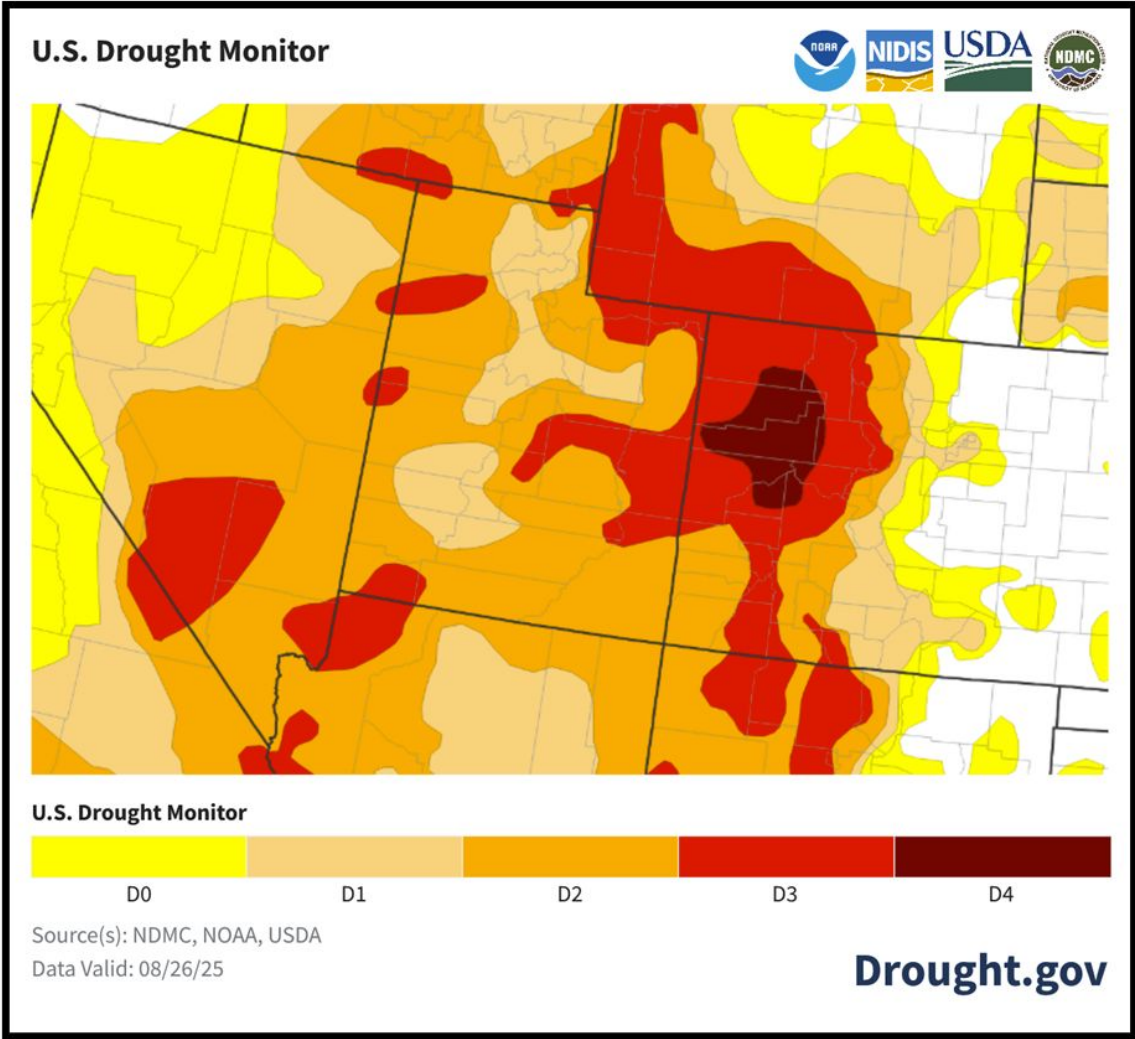




Utah Water Conditions Update

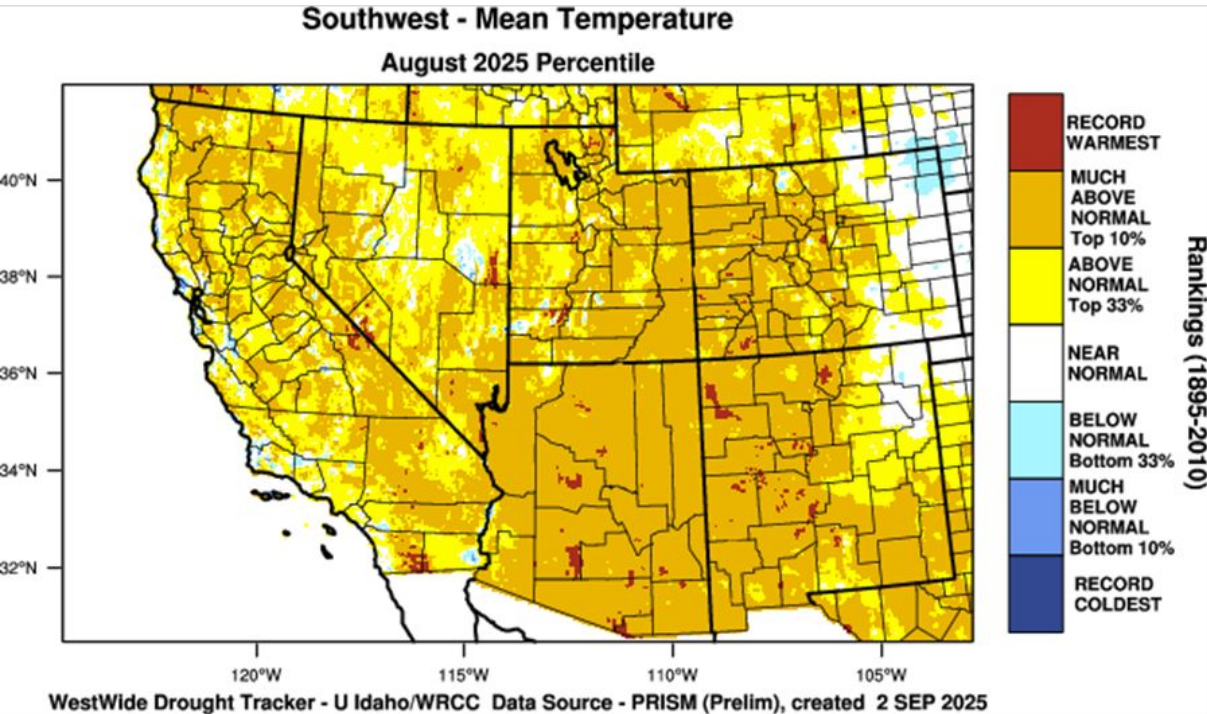
September 2, 2025

Current Drought Map & Four-Week Change Map

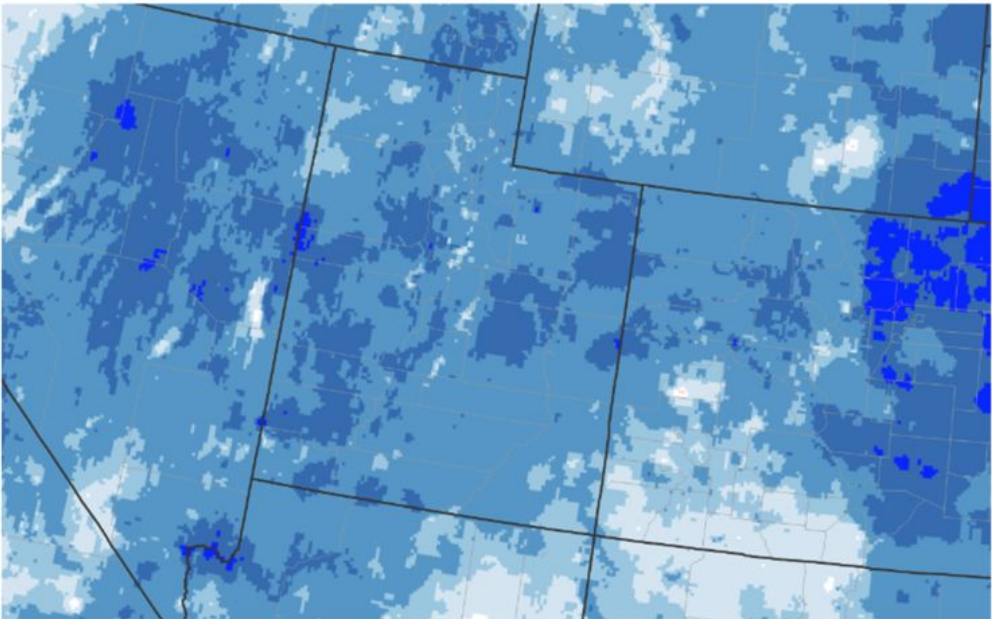


Agency - Utah Climate Center
Presenter - Jon Meyer

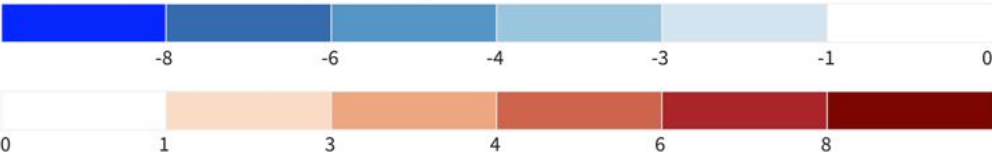
Temperature Summary



7-Day Departure from Normal Maximum Temperature (°F)



Departure from Normal Max Temperature (°F)

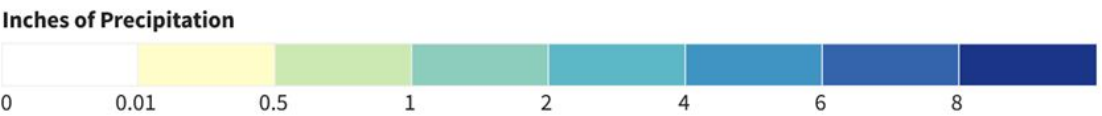
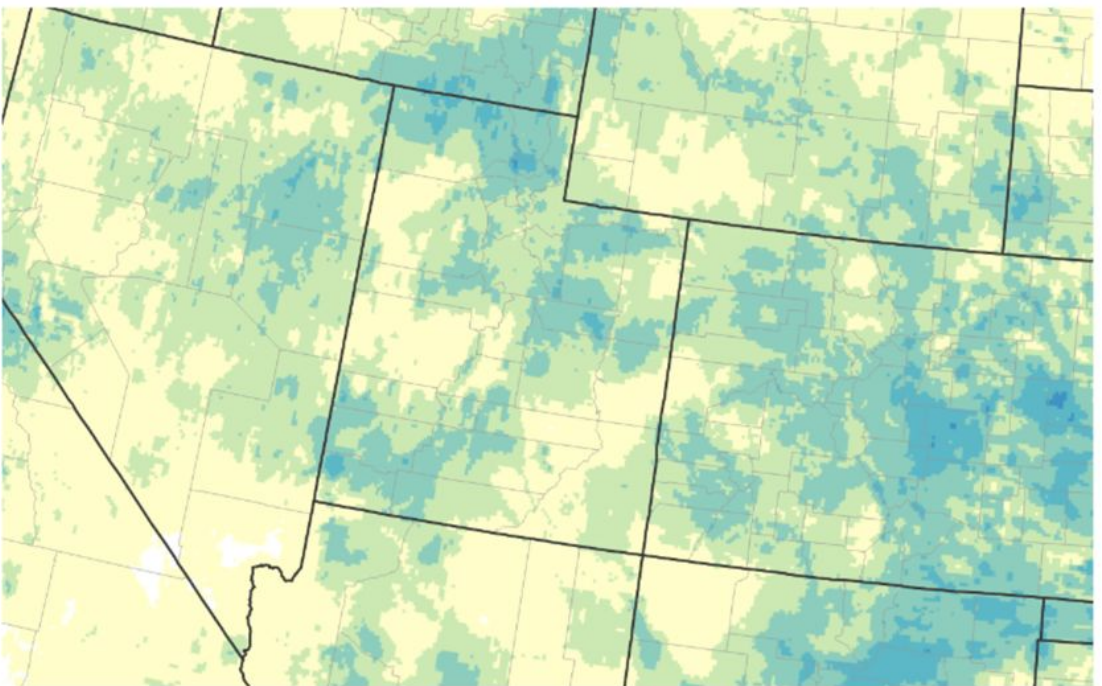


Source(s): UC Merced
Data Valid: 08/29/25

Drought.gov

Precipitation Summary

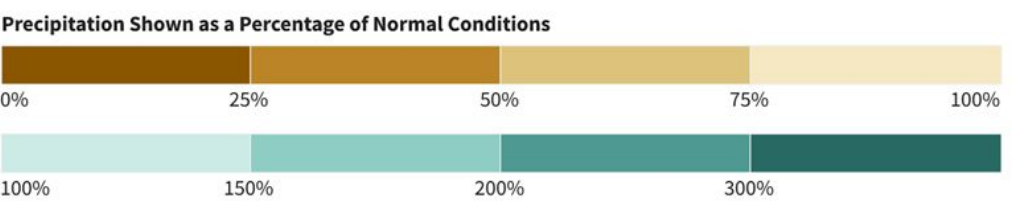
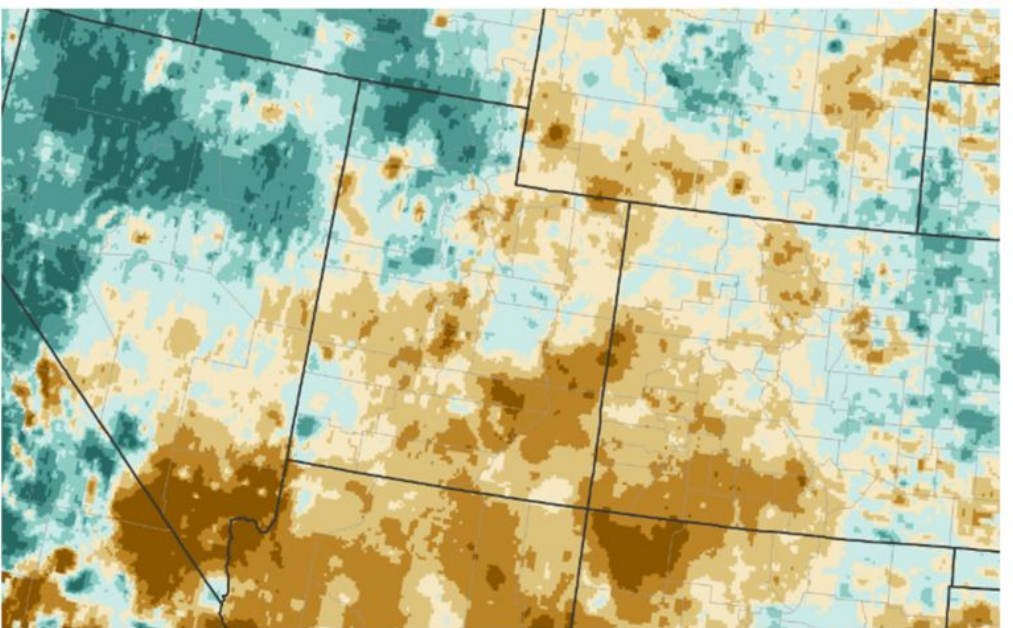
7-Day Total Precipitation (Inches)



Source(s): UC Merced
Data Valid: 08/29/25

Drought.gov

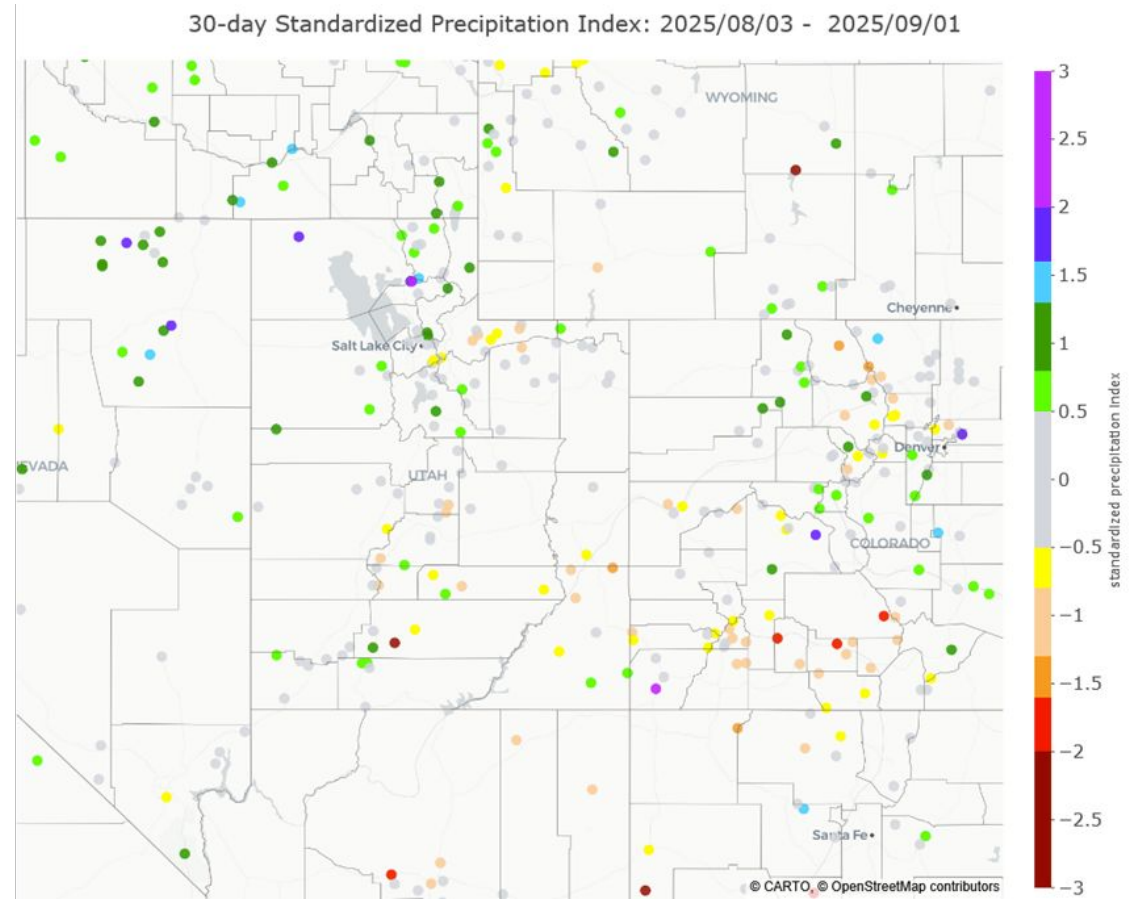
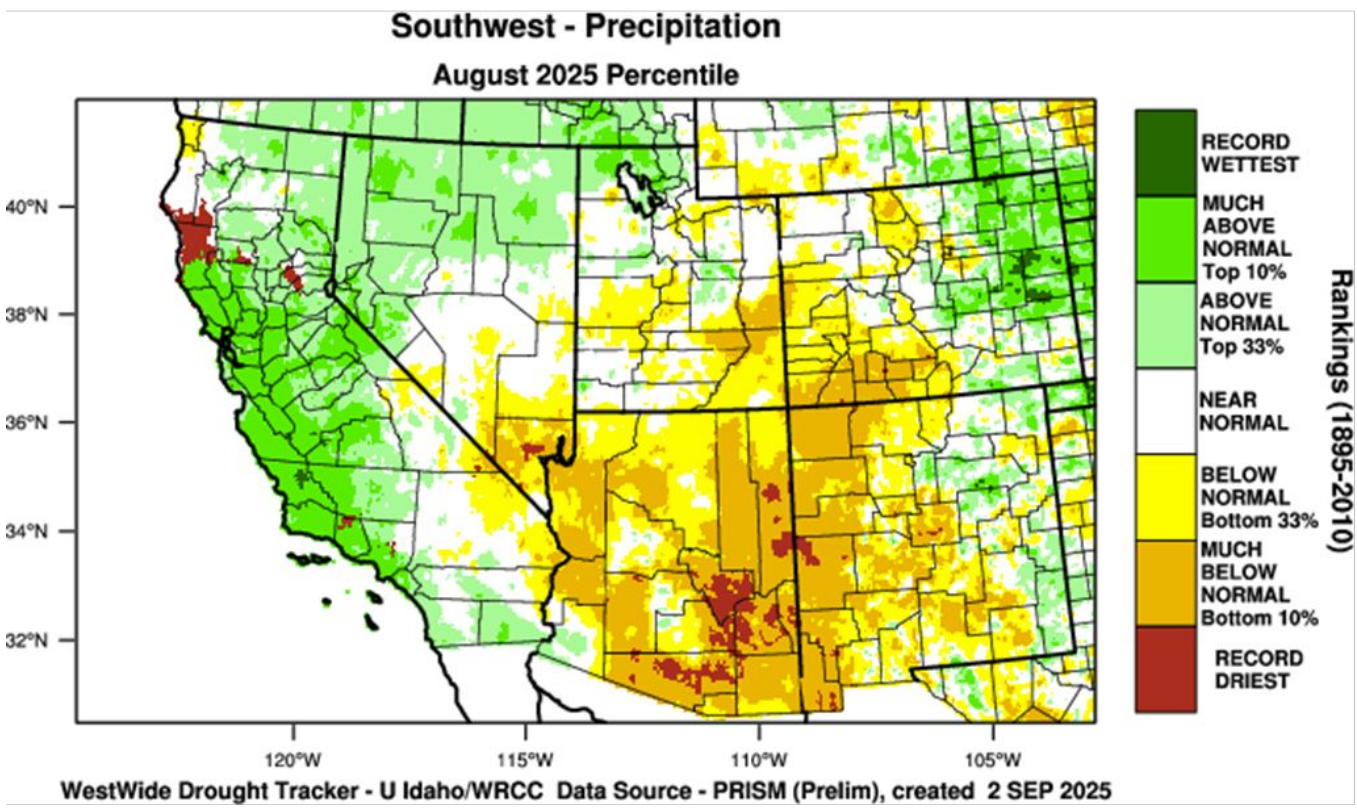
30-Day Percent of Normal Precipitation



Source(s): UC Merced
Data Valid: 08/29/25

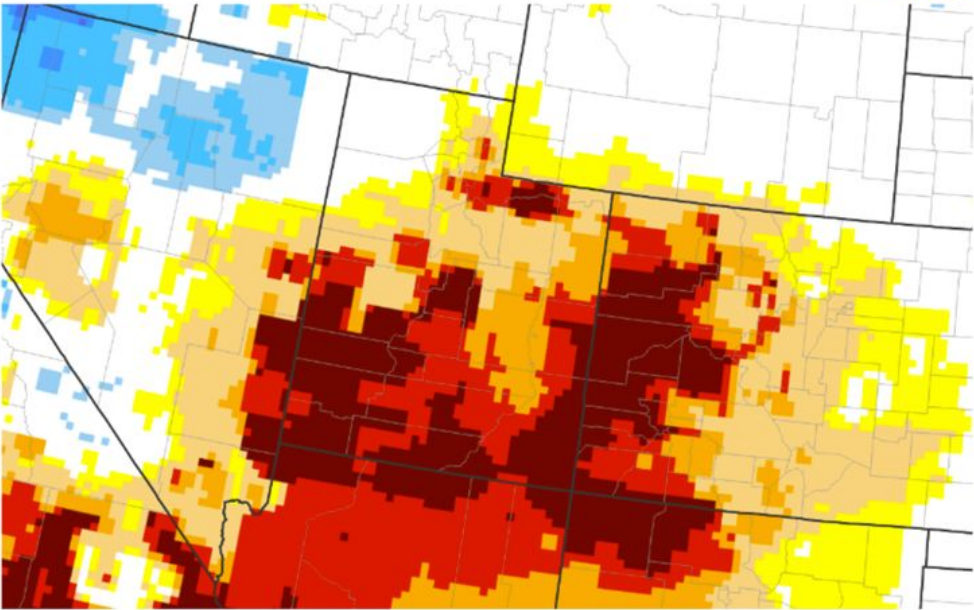
Drought.gov

Precipitation Summary



Evaporative Demand Drought Index (EDDI)

Evaporative Demand Drought Index (EDDI): 4 Week



Drought Conditions



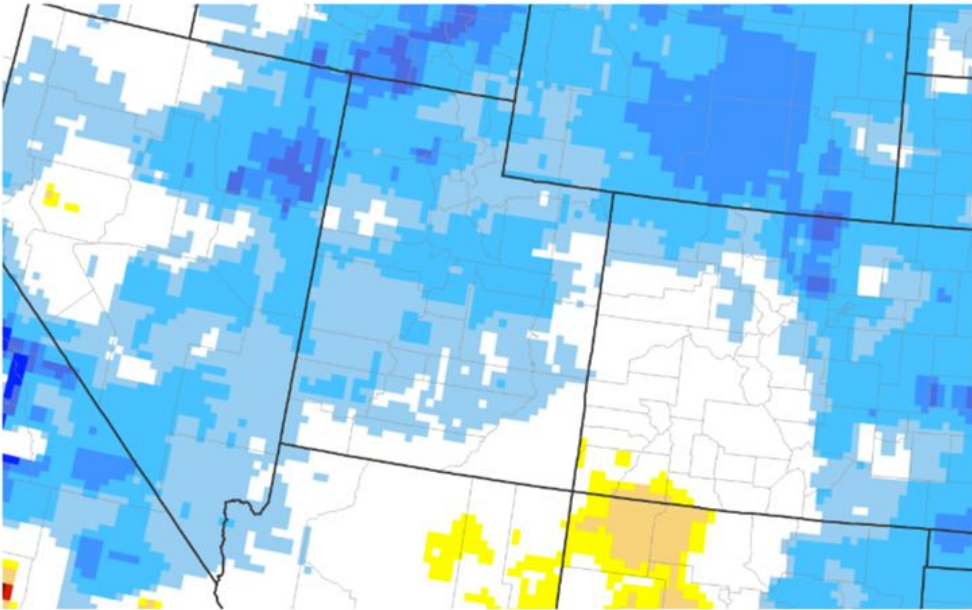
Wet Conditions



Source(s): NOAA Physical Sciences Laboratory
Data Valid: 08/27/25

Drought.gov

Evaporative Demand Drought Index (EDDI): 1 Week



Drought Conditions



Wet Conditions



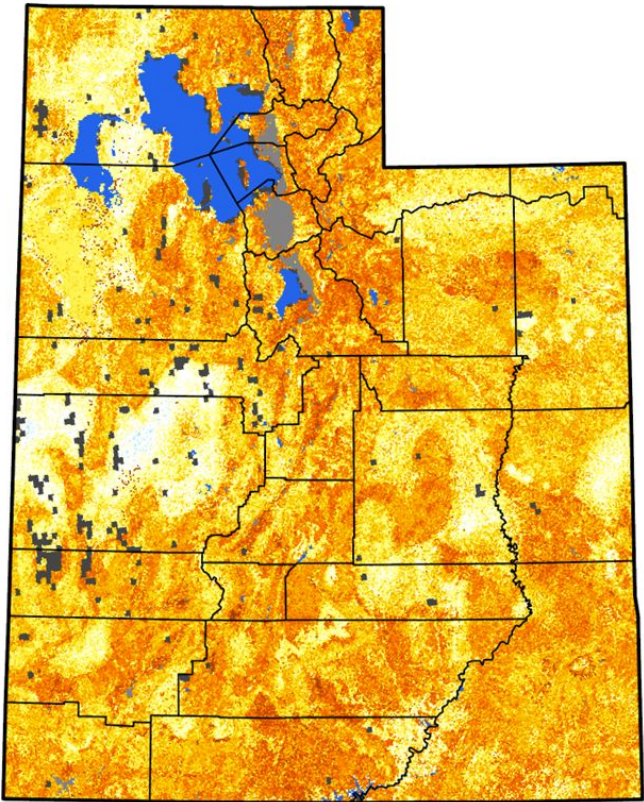
Source(s): NOAA Physical Sciences Laboratory
Data Valid: 08/27/25

Drought.gov

Short-Term Drought Pressure (*a week behind!)

Quick Drought Response Index Utah

August 24, 2025
(Week 34)



Conditions Relative to
4-Week Historical Average

- Wetter
- Near Average
- Drier
- Out of Season
- Urban
- No Data
- Water

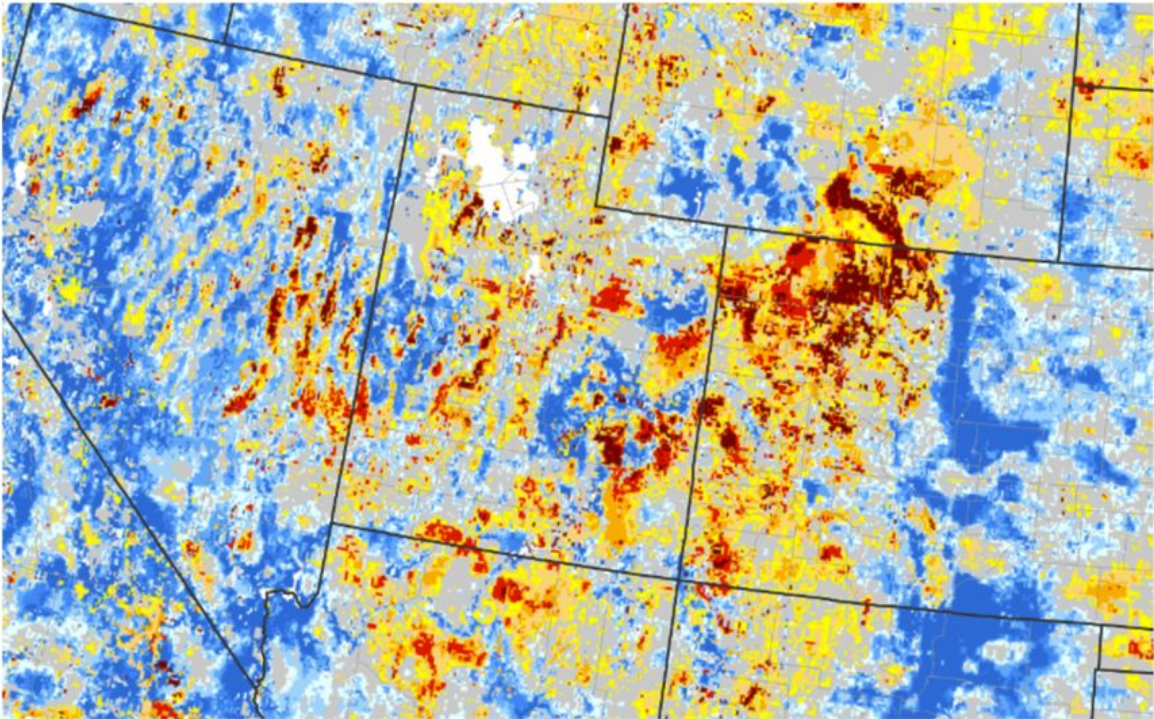


CALMIT
University of Nebraska - Lincoln
Center for Advanced Land Management Information Technologies

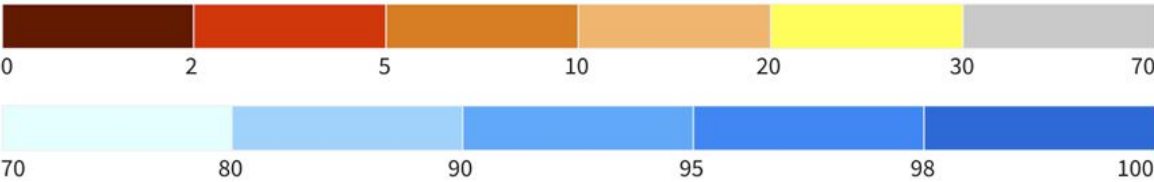


Soil Moisture Conditions (NASA SPoRT Model)

0-100 cm Soil Moisture Percentile

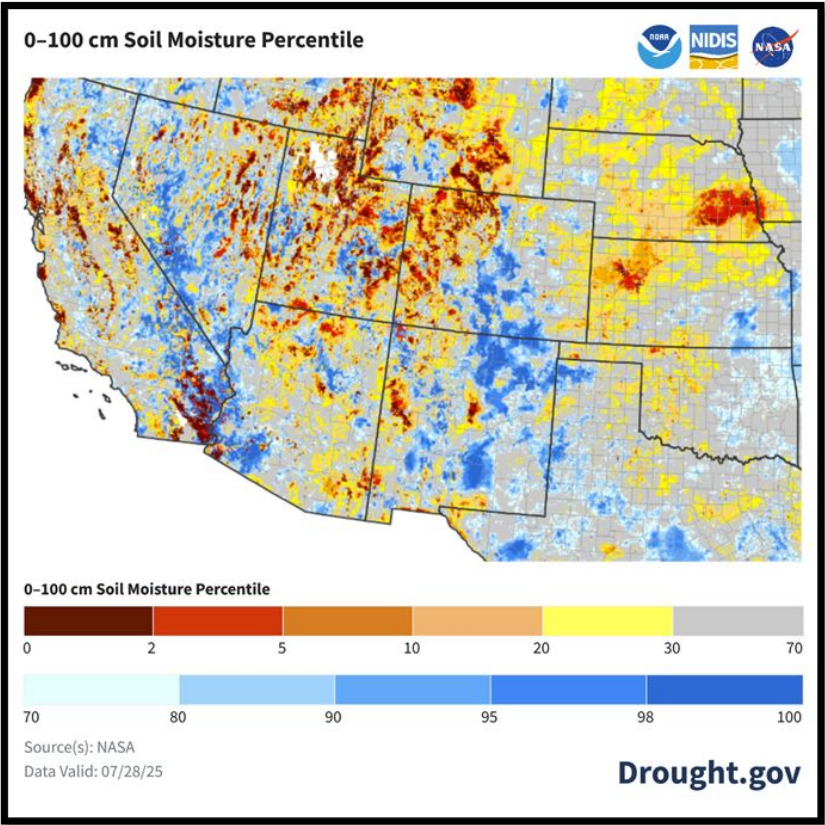


0-100 cm Soil Moisture Percentile



Source(s): NASA
Data Valid: 09/01/25

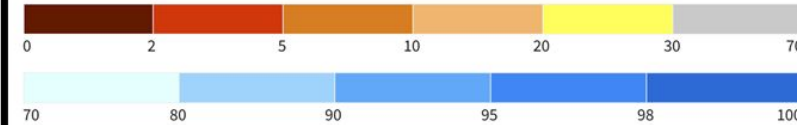
Drought.gov



0-100 cm Soil Moisture Percentile



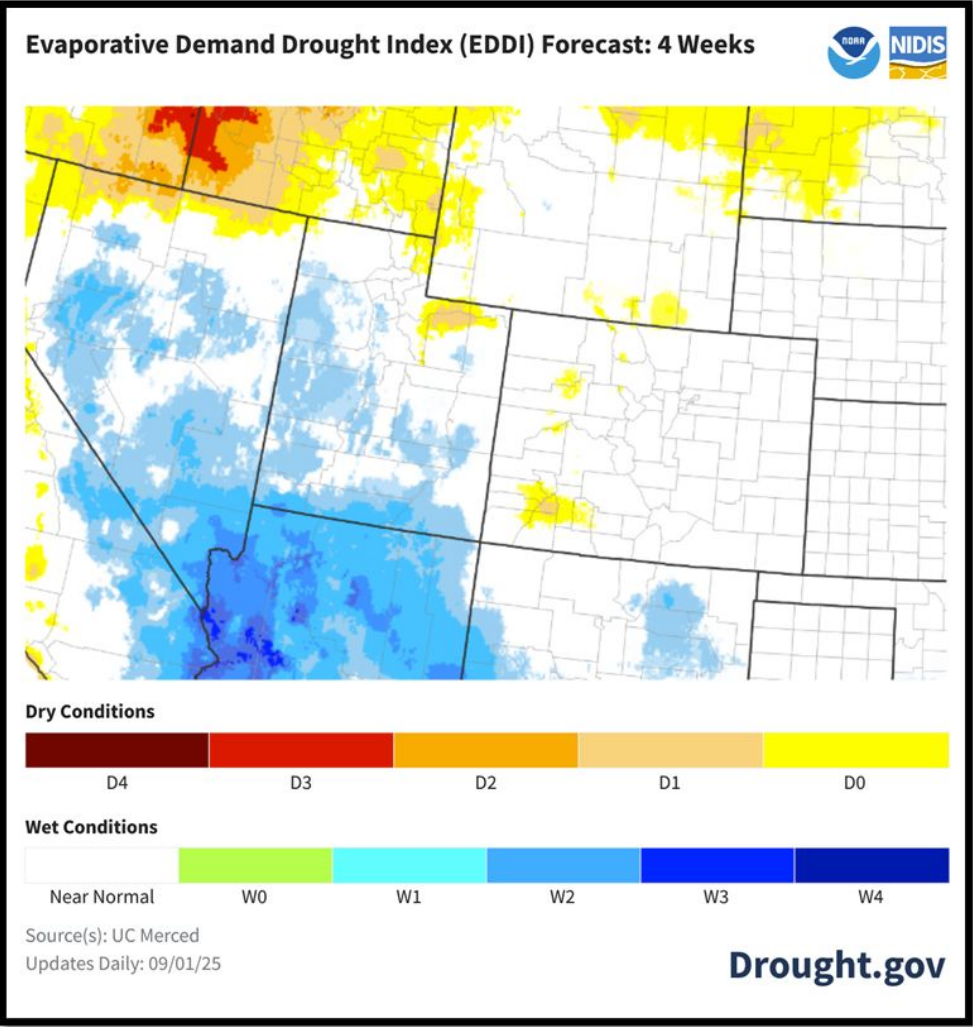
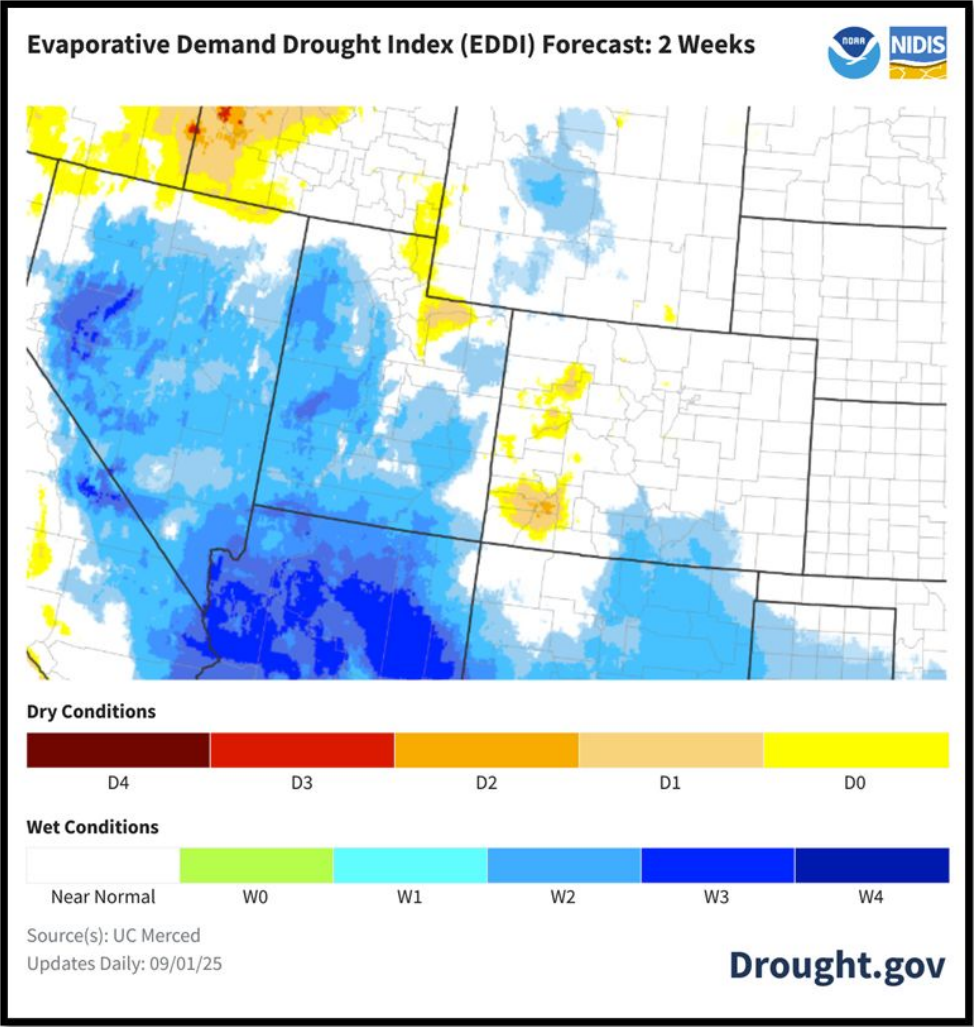
0-100 cm Soil Moisture Percentile



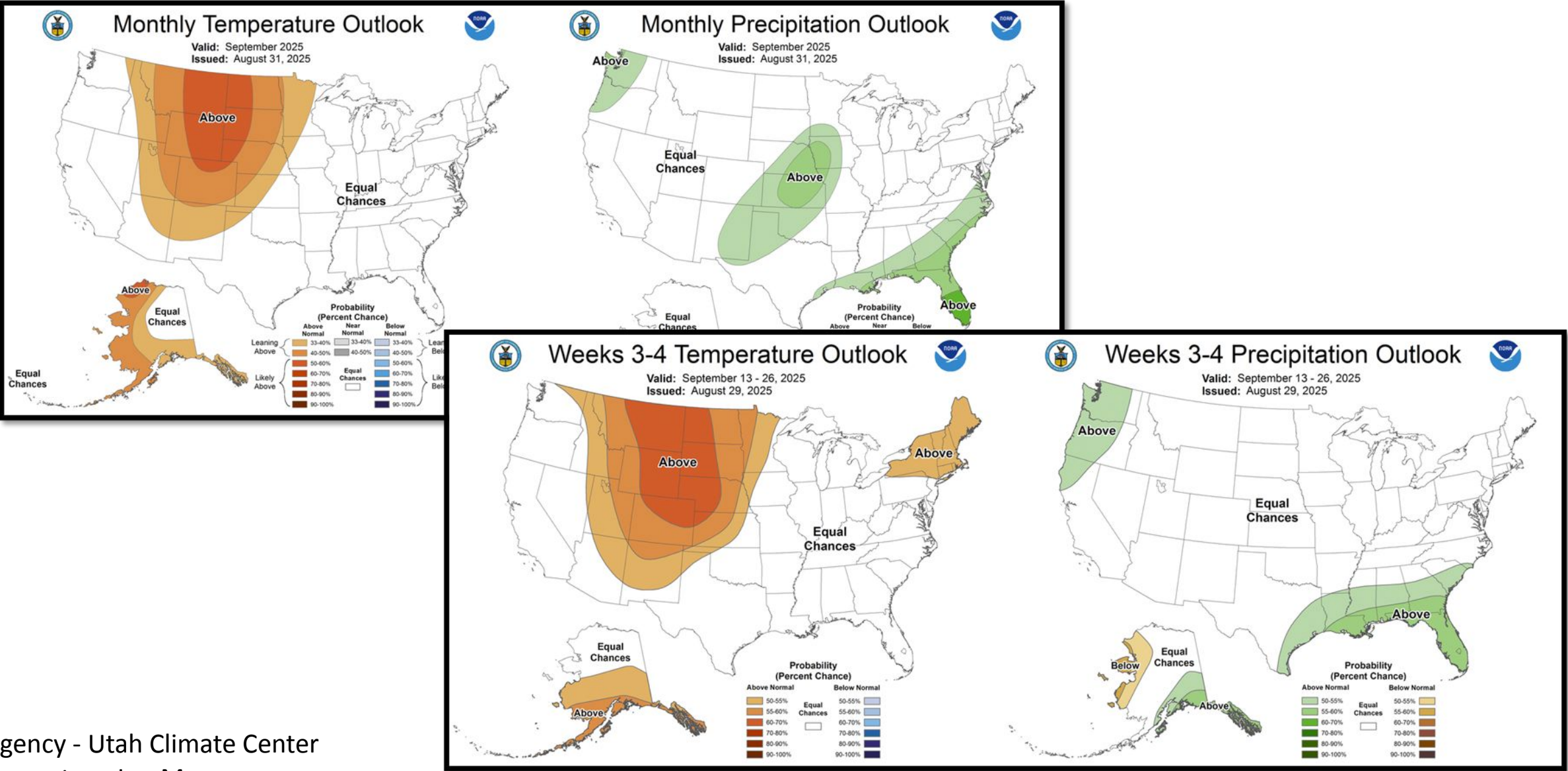
Source(s): NASA
Data Valid: 07/28/25

Drought.gov

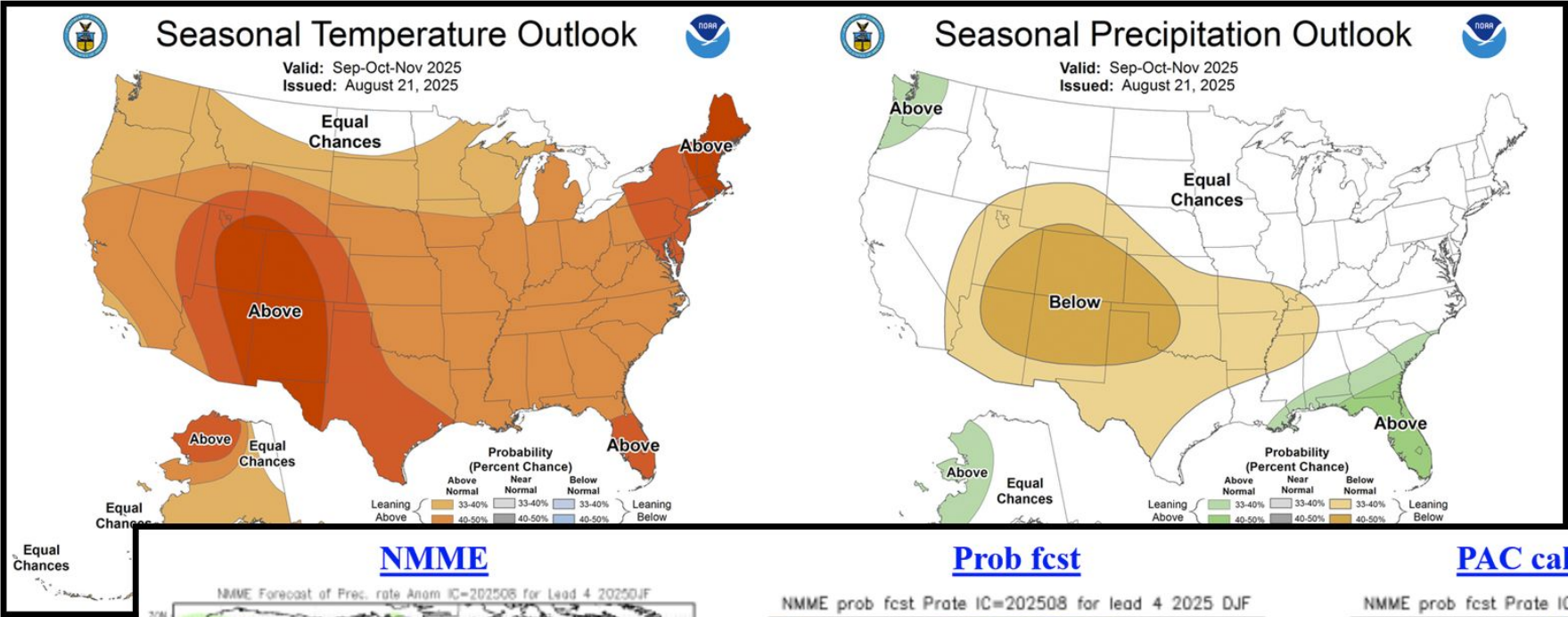
EDDI Forecasts



Climate Prediction Center: Sept Outlook

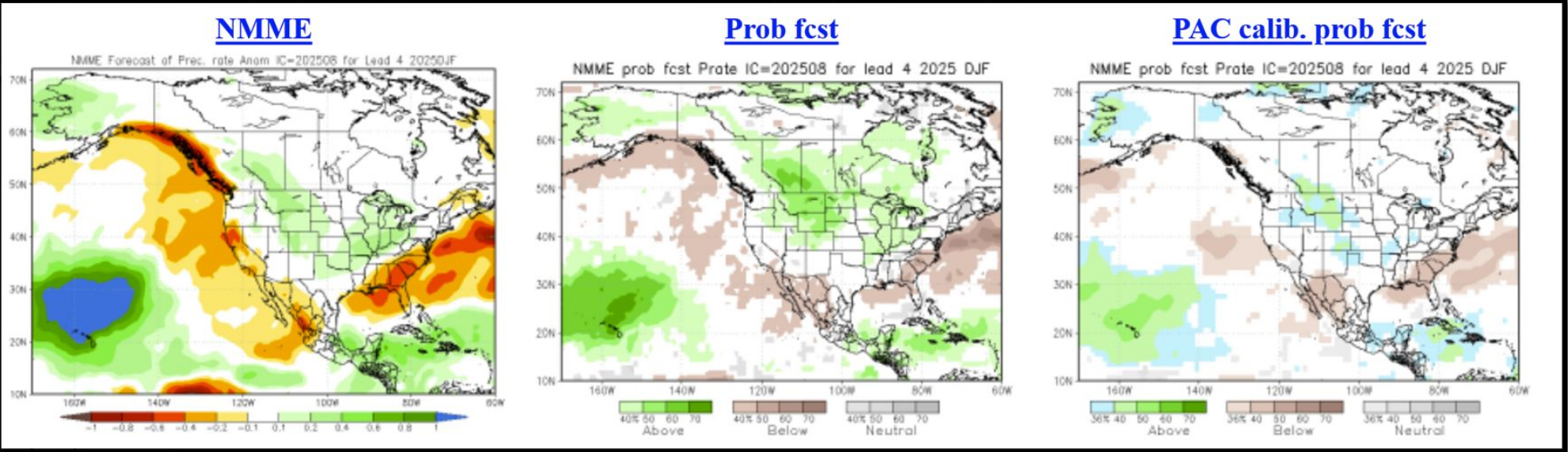


Extended Seasonal Outlooks

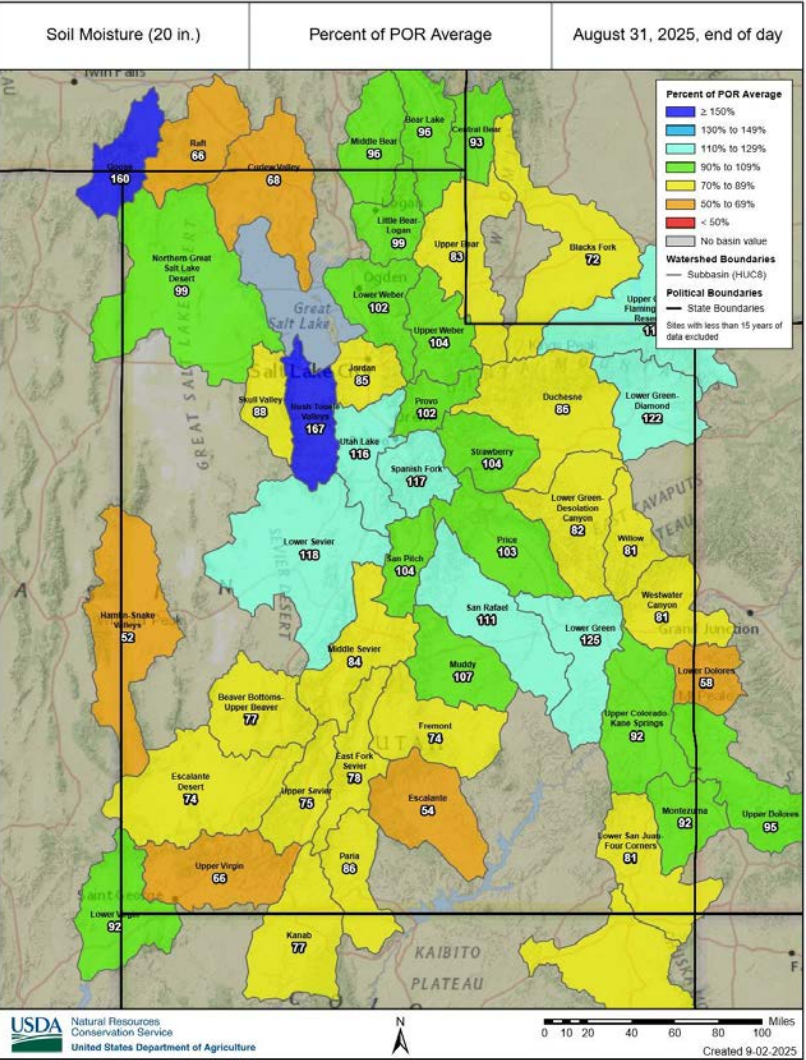
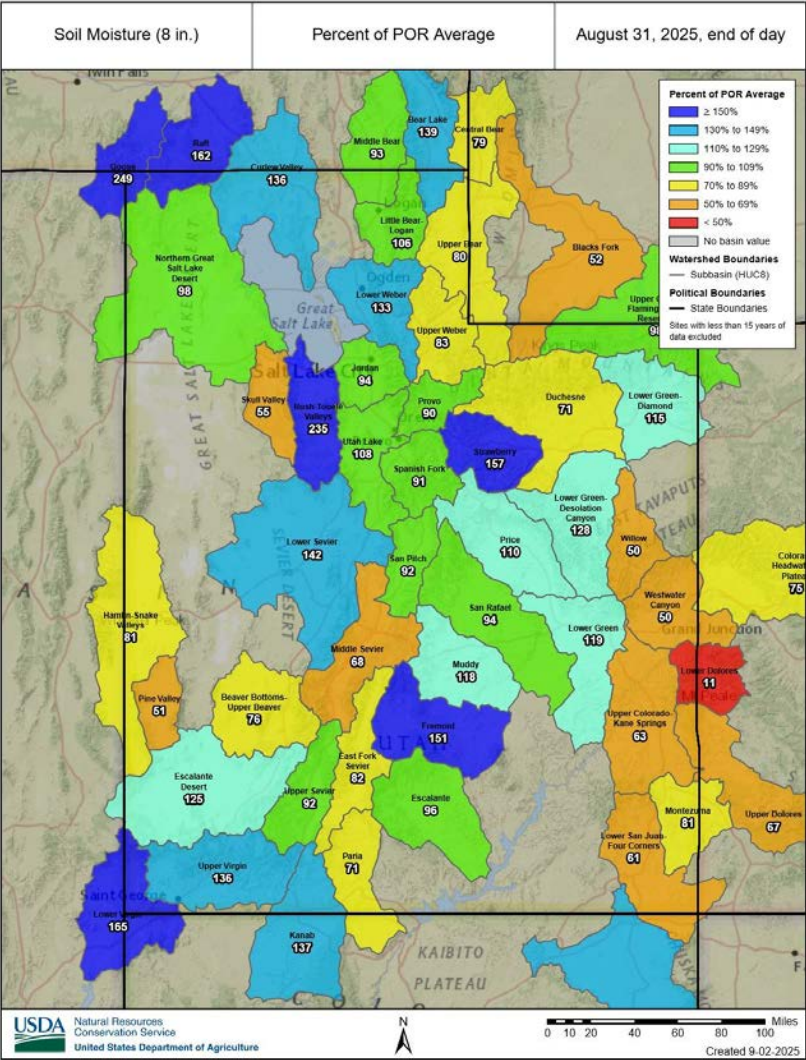
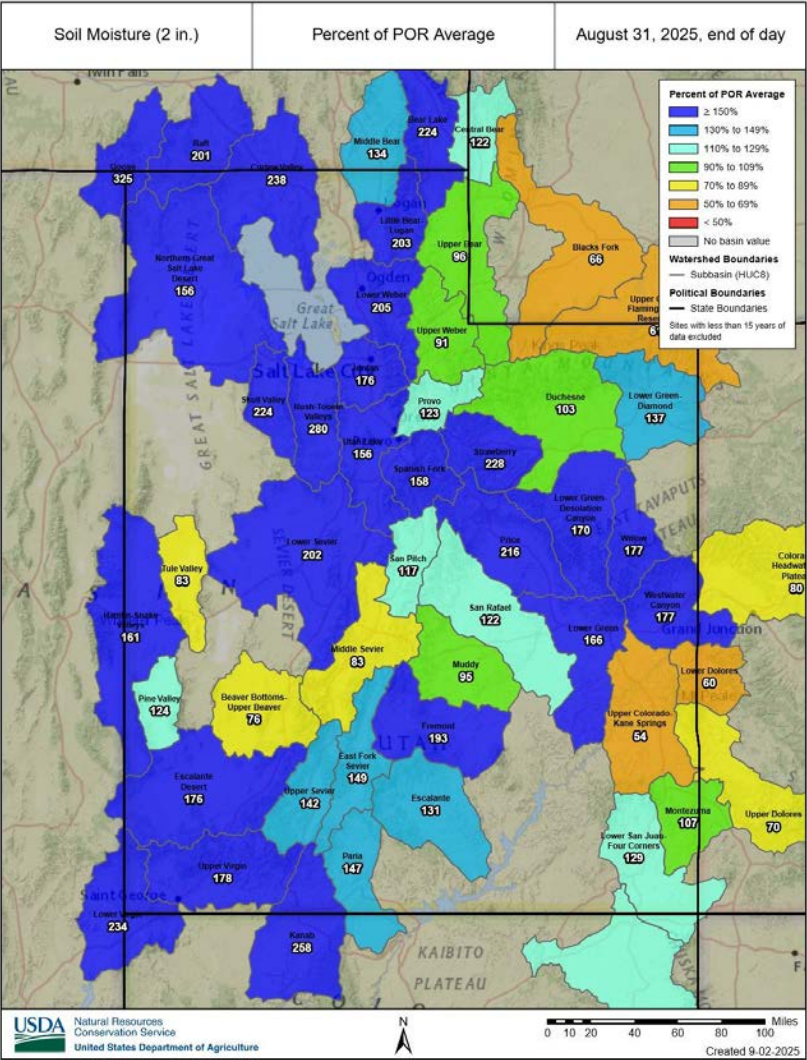


*High degree of inconsistency amongst modeling platforms and no clear ENSO pattern means seasonal outlooks are a bit “rudderless” right now.

Expect lots of uncertainty headed into winter months! The exception is that the type of rudderless pattern is less favorable for the type of storm track that brings large precipitation events.

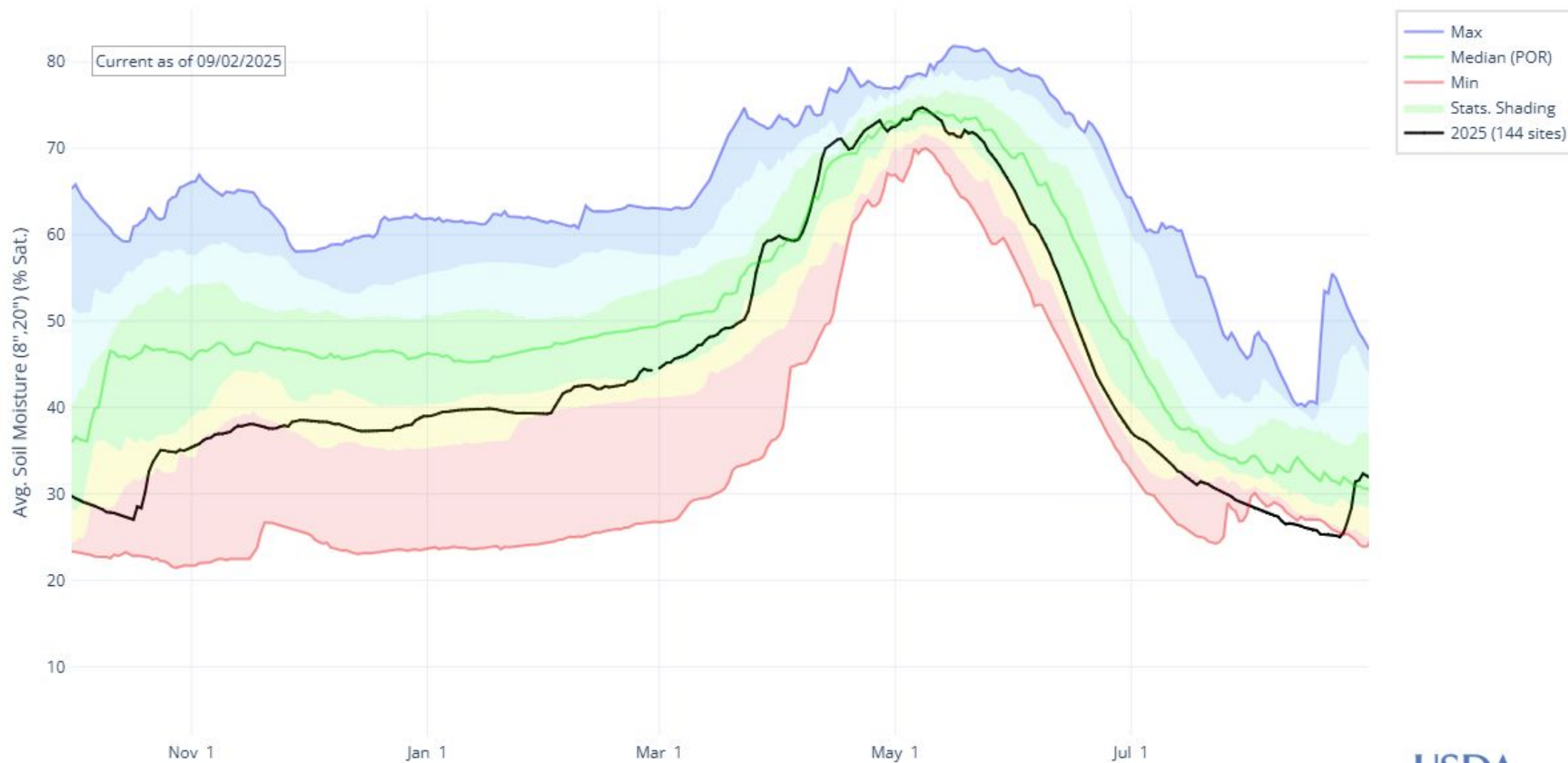


Soil Moisture

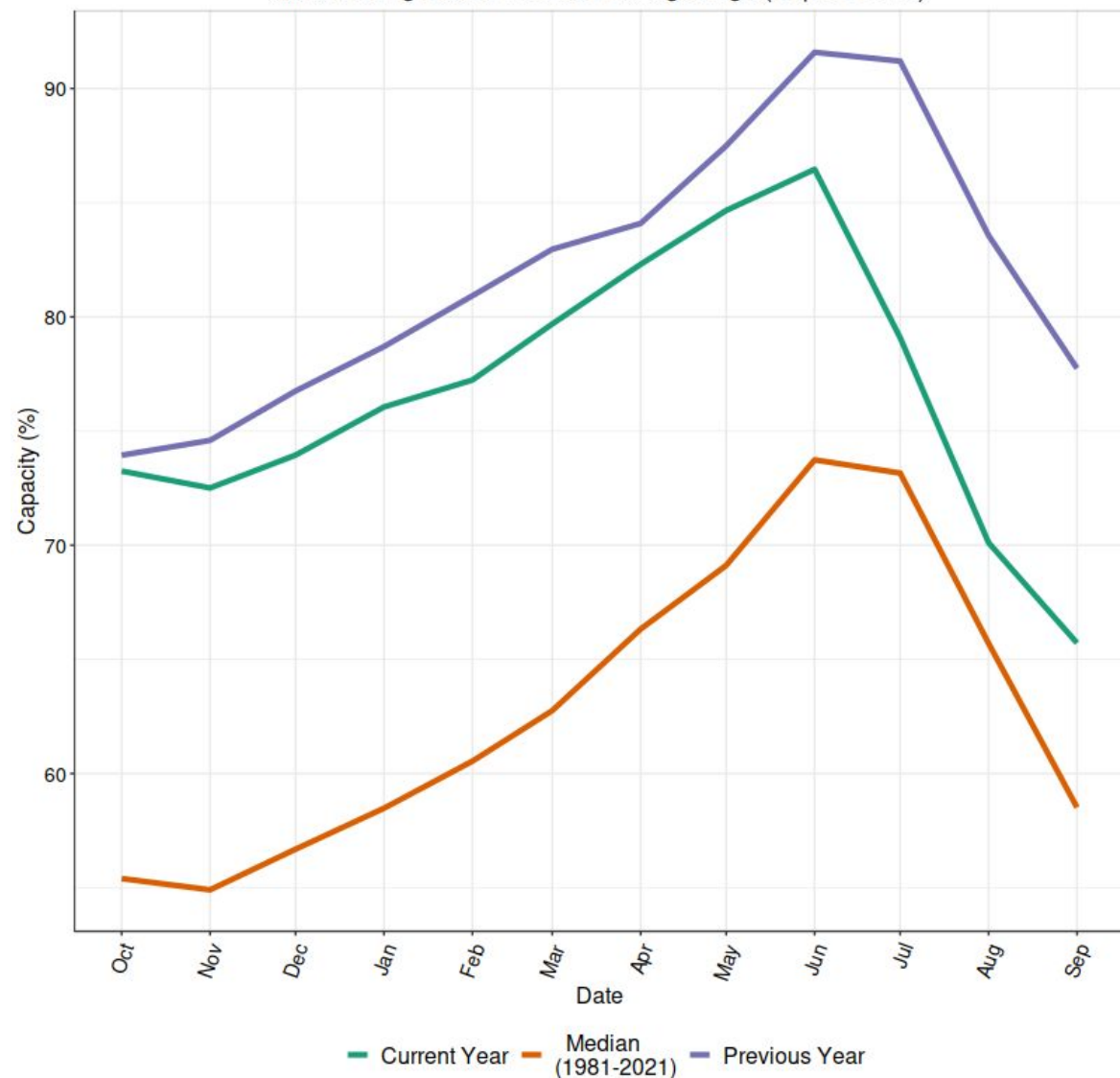


Agency - NRCS Snow Survey
Presenter - Jordan Clayton

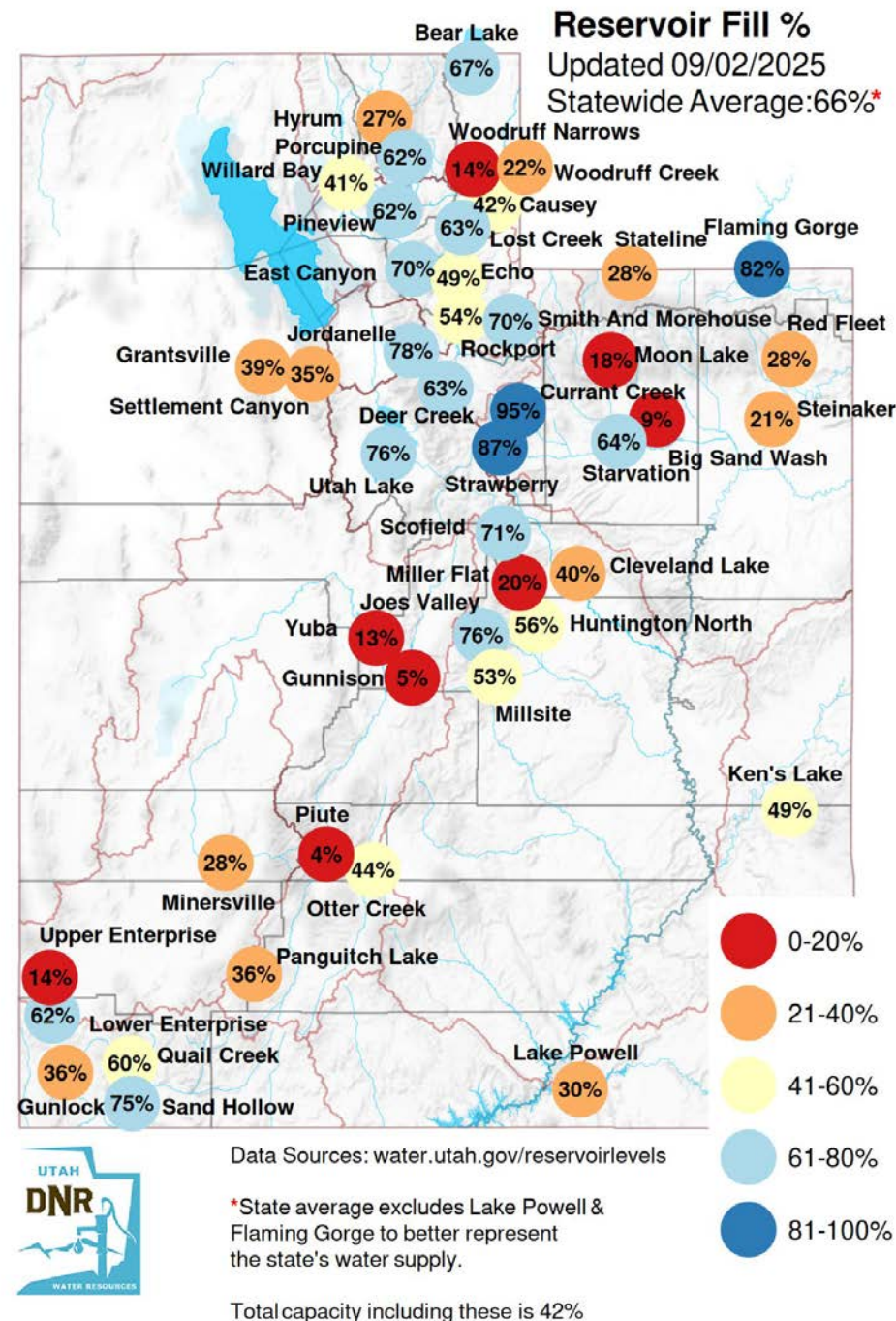
AVG. SOIL MOISTURE (8",20") IN STATE OF UTAH



All Excluding Lake Powell & Flaming Gorge (Sep-02-2025)



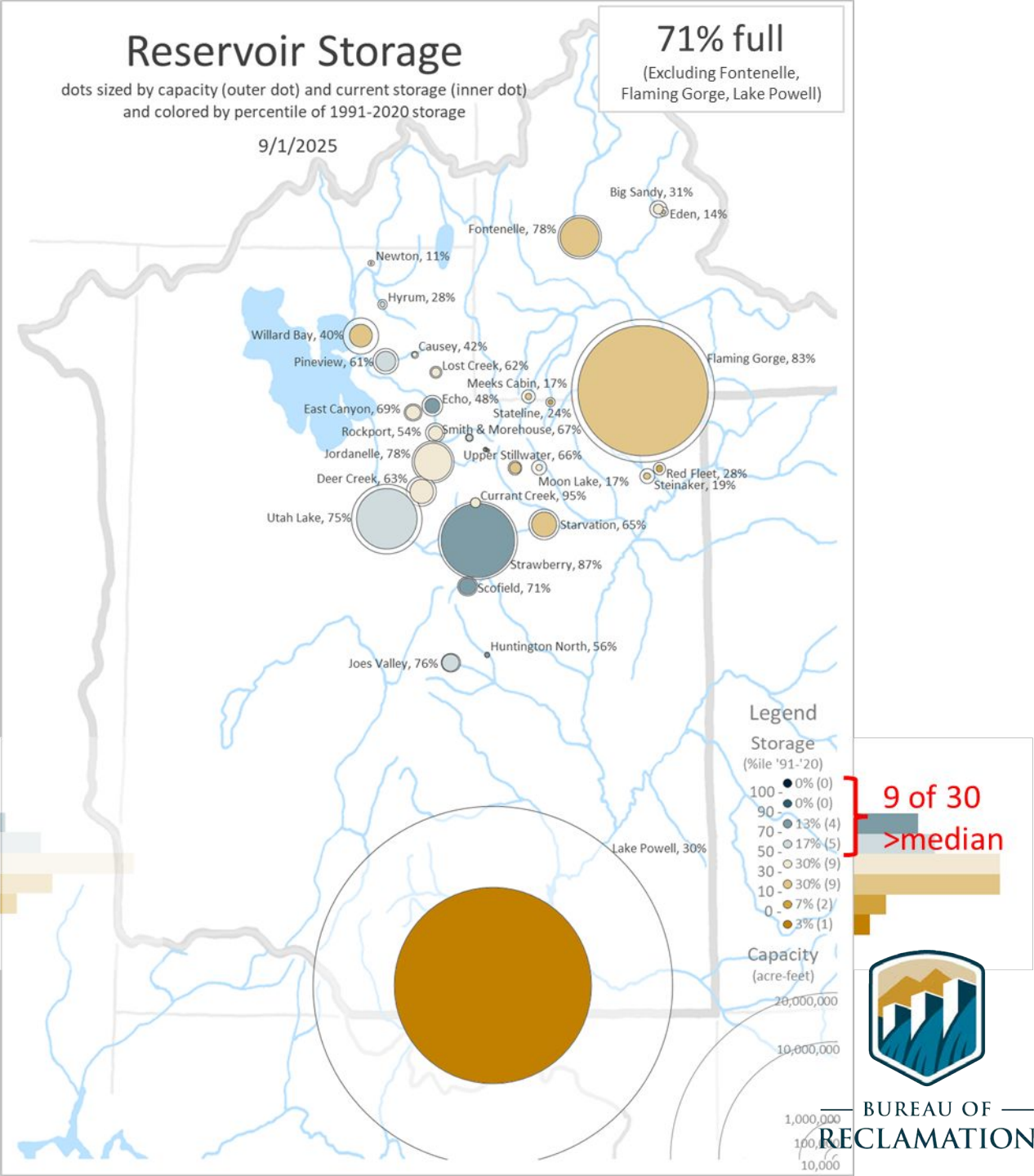
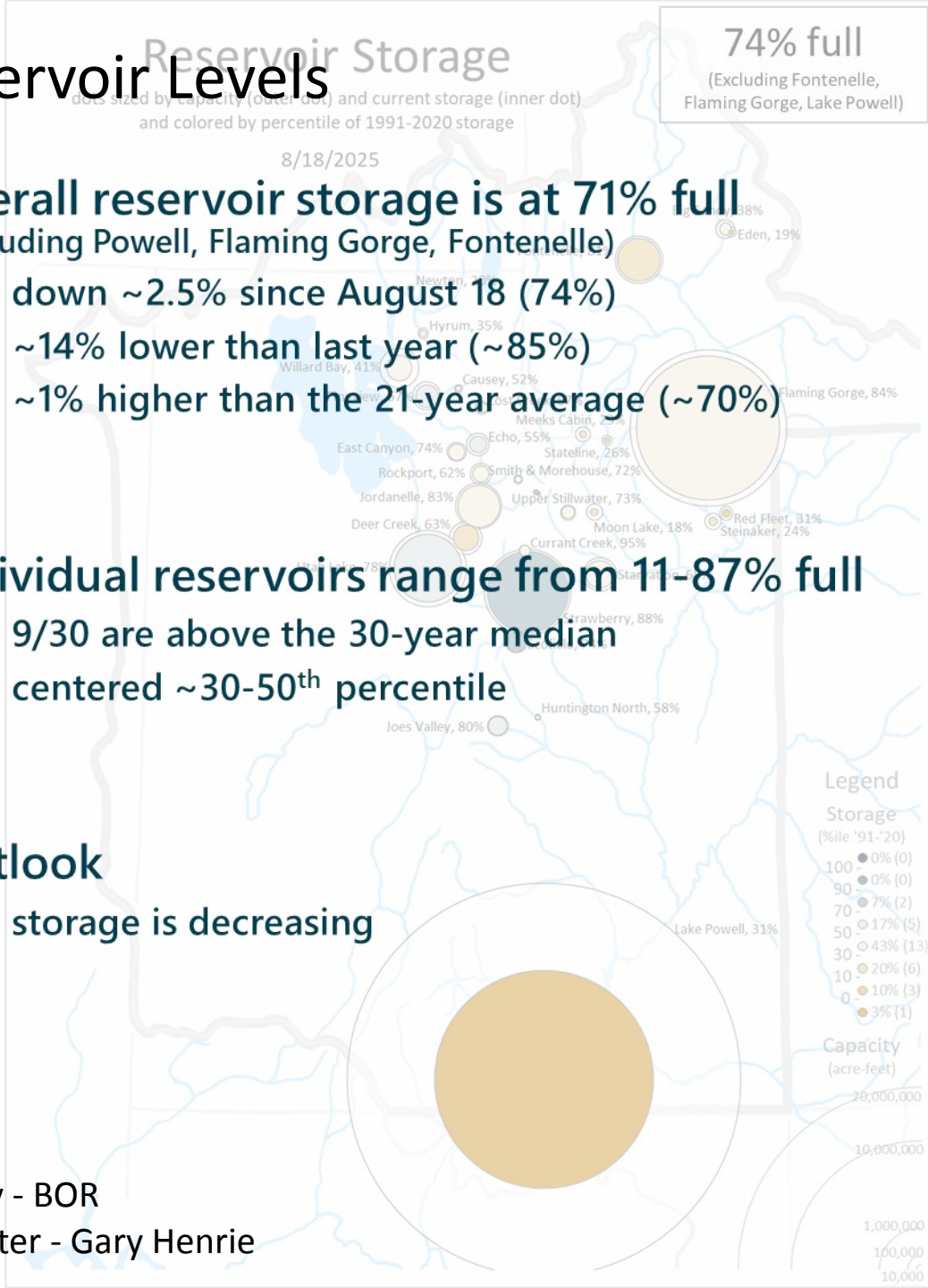
Agency - Division of Water Resources
Presenter - Laura Haskell



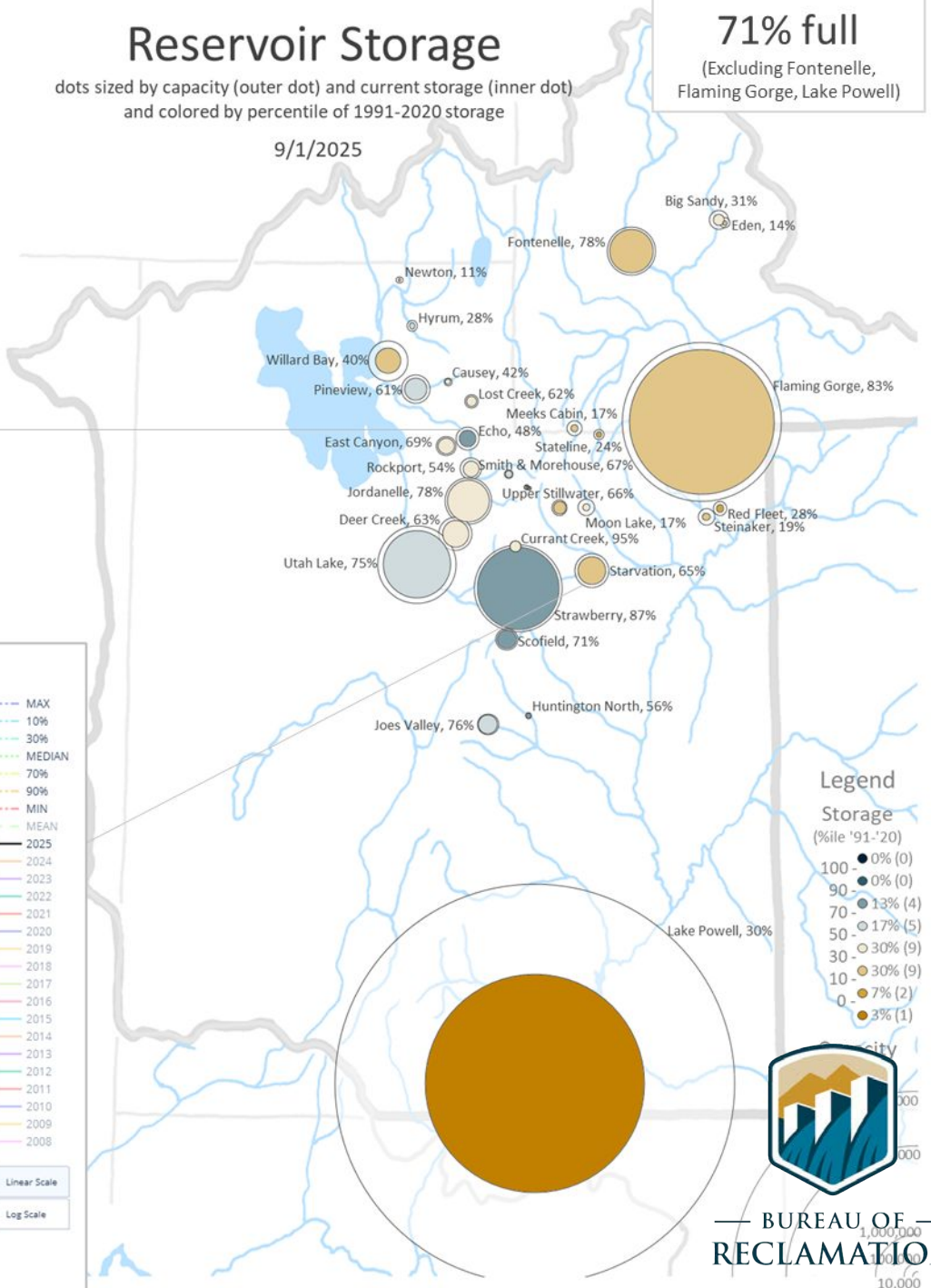
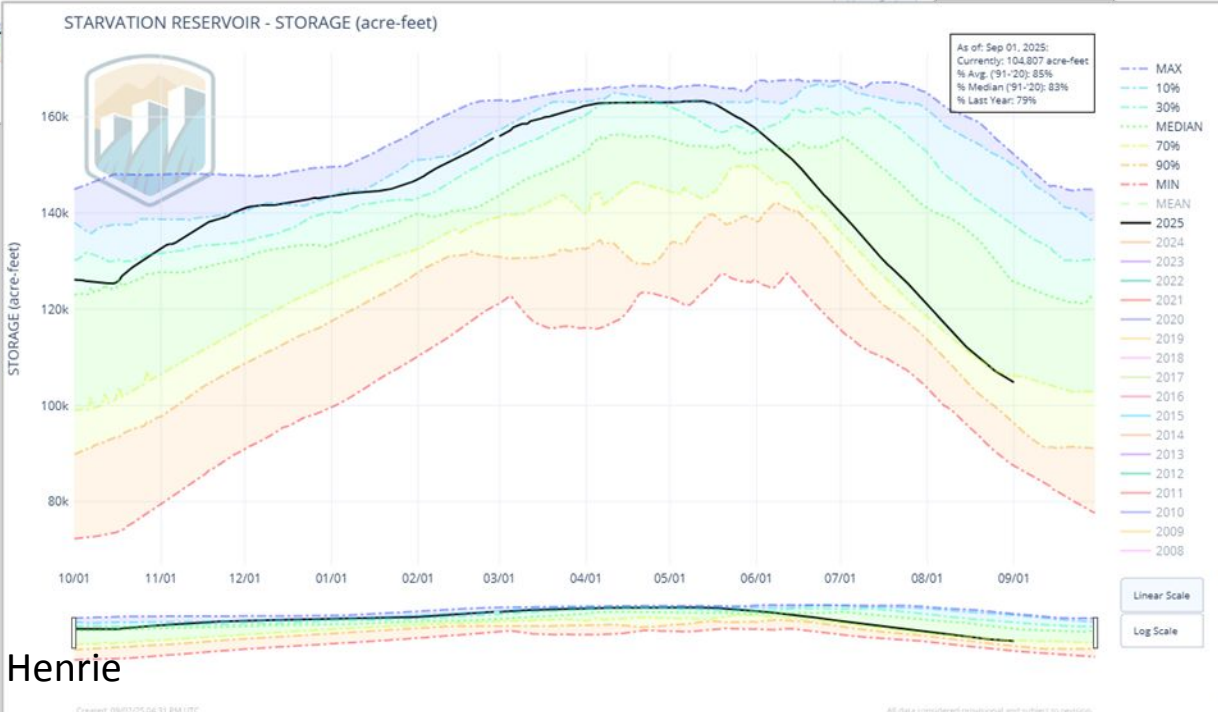
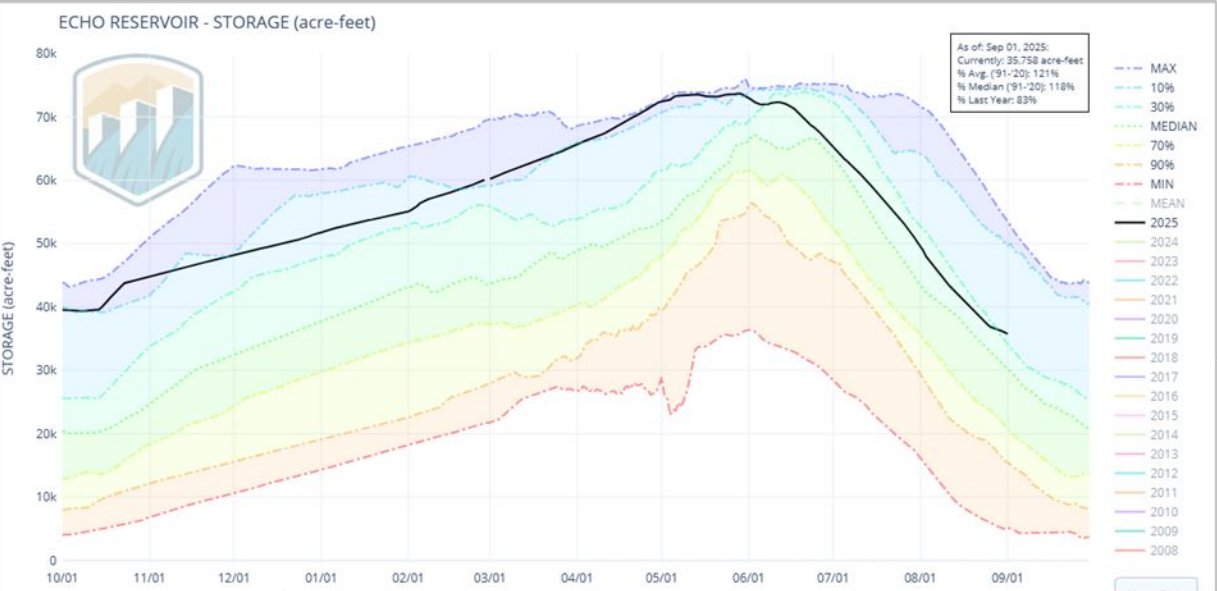
Reservoir Levels

- Overall reservoir storage is at 71% full (Excluding Powell, Flaming Gorge, Fontenelle)
 - down ~2.5% since August 18 (74%)
 - ~14% lower than last year (~85%)
 - ~1% higher than the 21-year average (~70%)
- Individual reservoirs range from 11-87% full
 - 9/30 are above the 30-year median
 - centered ~30-50th percentile
- Outlook
 - storage is decreasing

Agency - BOR
 Presenter - Gary Henrie



Reservoir Levels

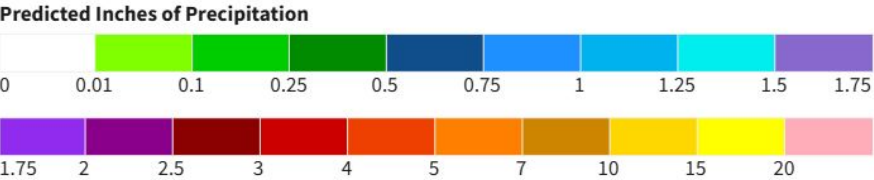
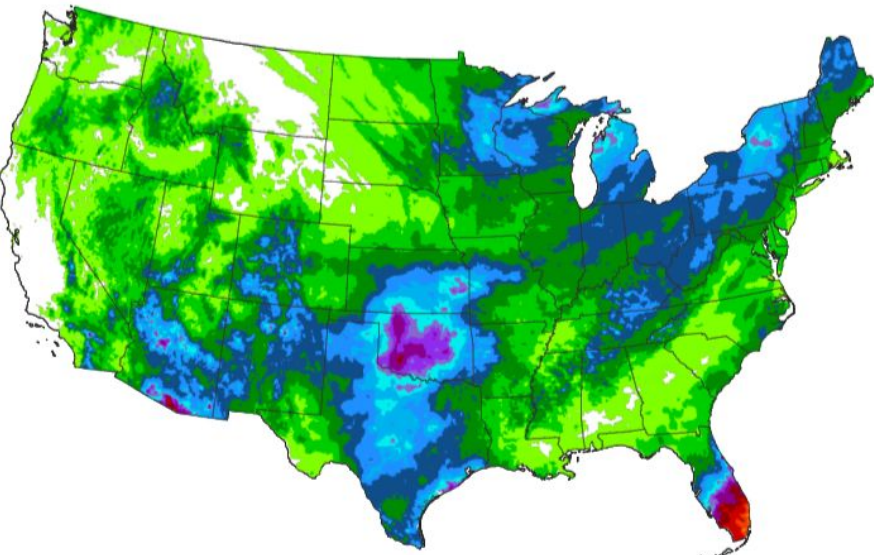


Agency - BOR
Presenter - Gary Henrie

Weather Forecast Office Utah Day 1-7 Outlook



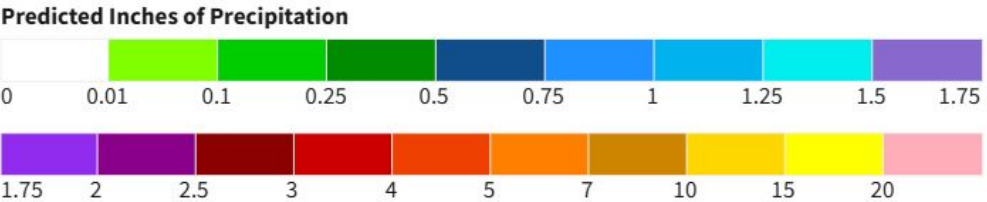
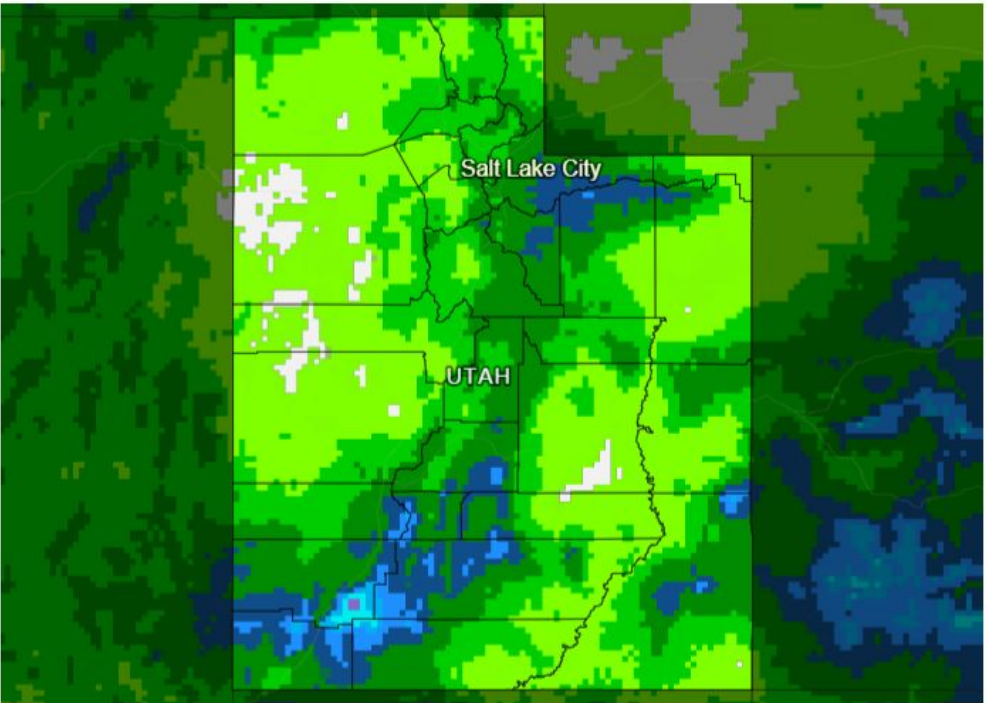
7-Day Quantitative Precipitation Forecast for September 2-9, 2025



Source(s): National Weather Service Weather Prediction Center
Last Updated: 09/02/25

Drought.gov

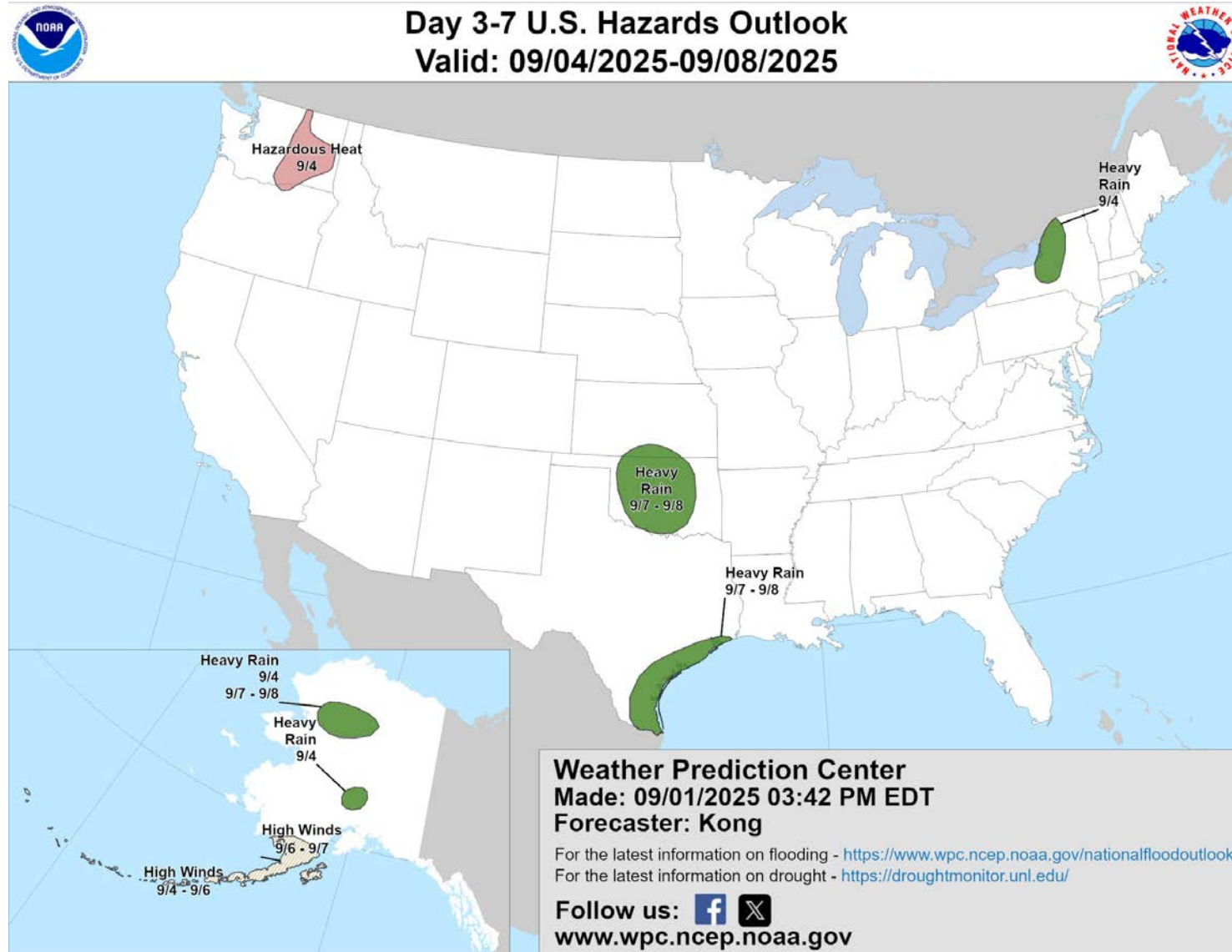
7-Day Quantitative Precipitation Forecast for September 2-9, 2025



Source(s): National Weather Service Weather Prediction Center
Last Updated: 09/02/25

Drought.gov

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



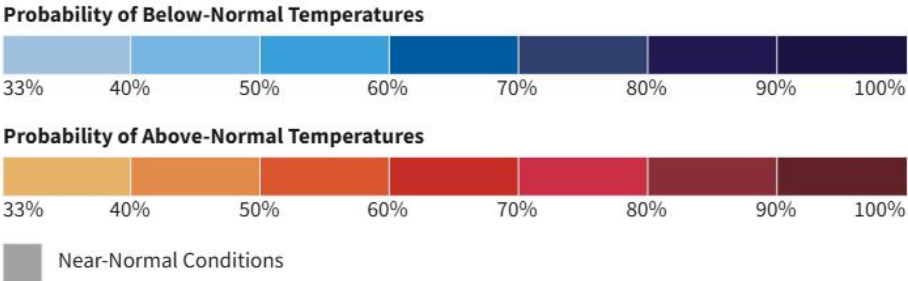
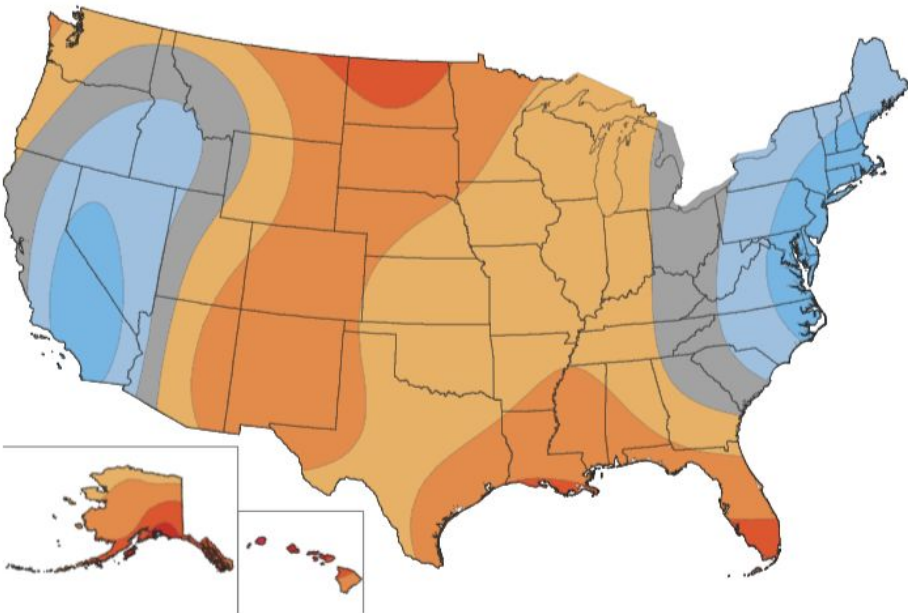
Agency - National Weather Service Weather Forecast Office

Presenter - Hayden Mahan

Climate Prediction Center 8 to 14 Day Outlooks - Temperature



8-14 Day Temperature Outlook for September 9-15, 2025



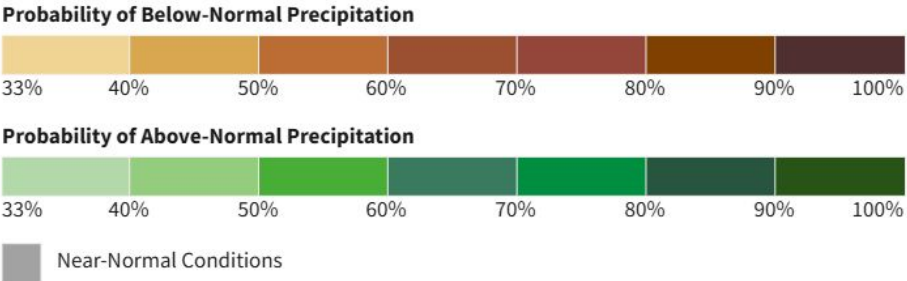
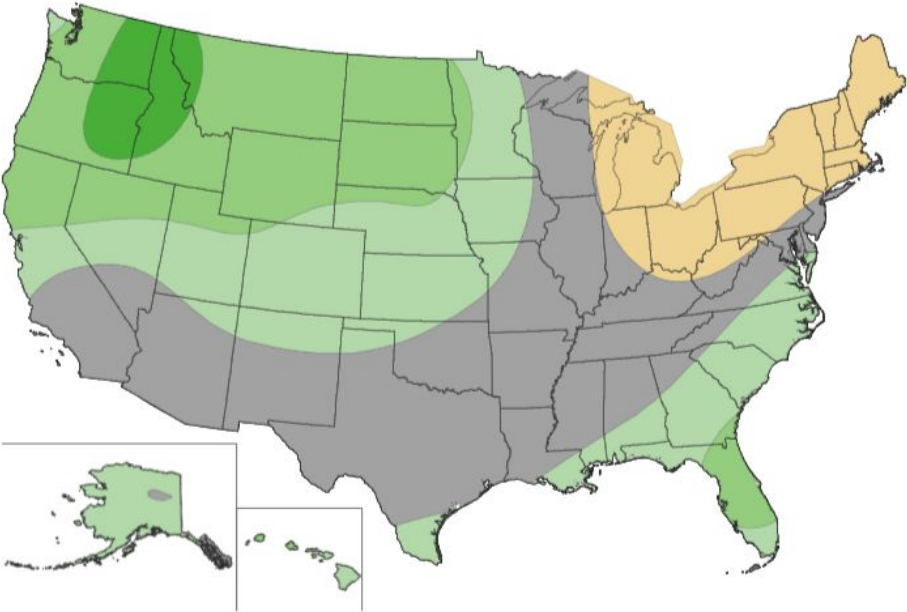
Source(s): Climate Prediction Center
Last Updated: 09/01/25

Drought.gov

Climate Prediction Center 8 to 14 Day Outlooks - Precipitation



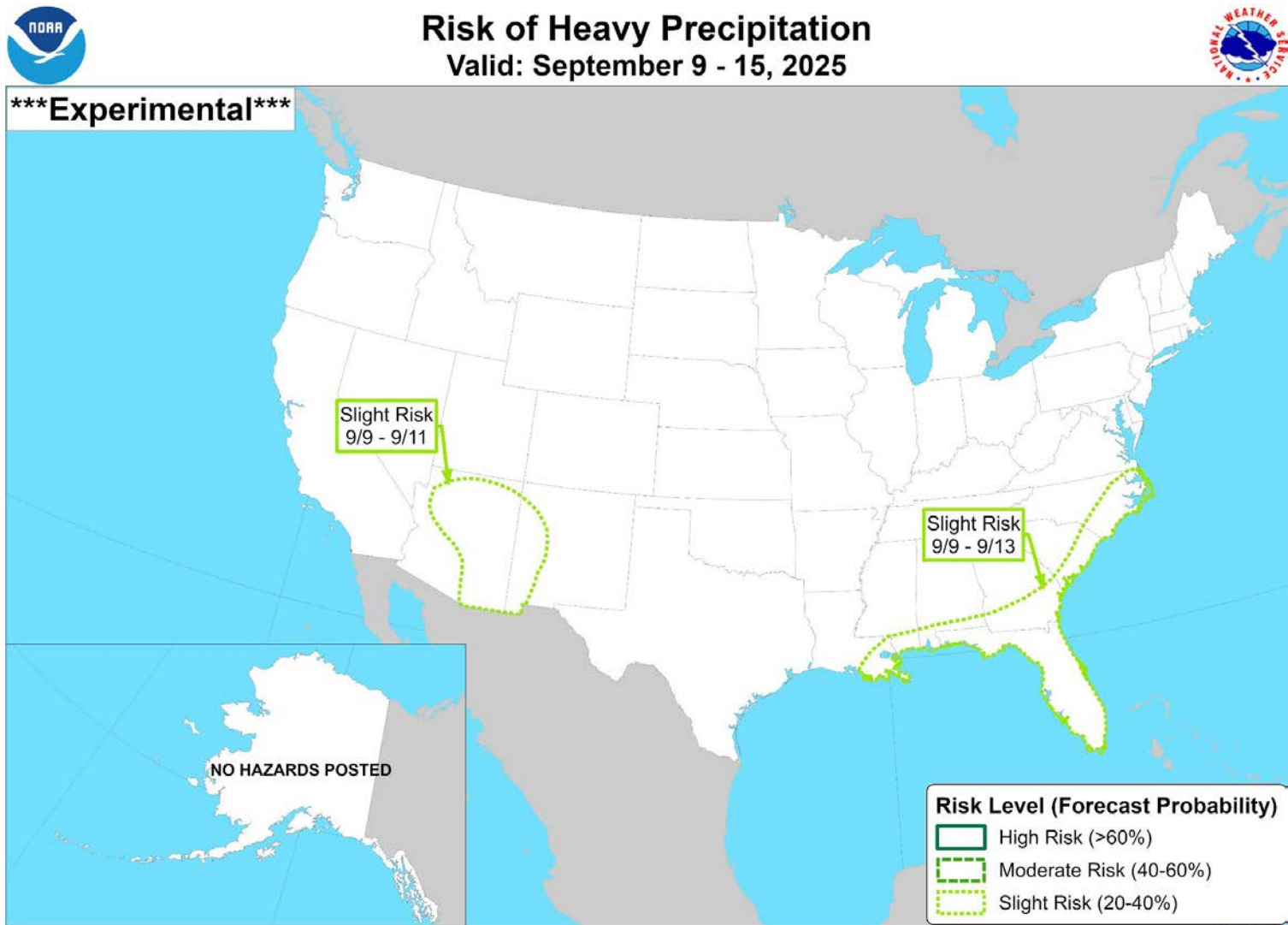
8-14 Day Precipitation Outlook for September 9-15, 2025



Source(s): Climate Prediction Center
Last Updated: 09/01/25

Drought.gov

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



Water Supply Forecasts / Runoff (Percent of Average)

Map of seasonal water supply forecasts

Summary of conditions at:

Weber

Bear

Six Creeks

Utah Lake

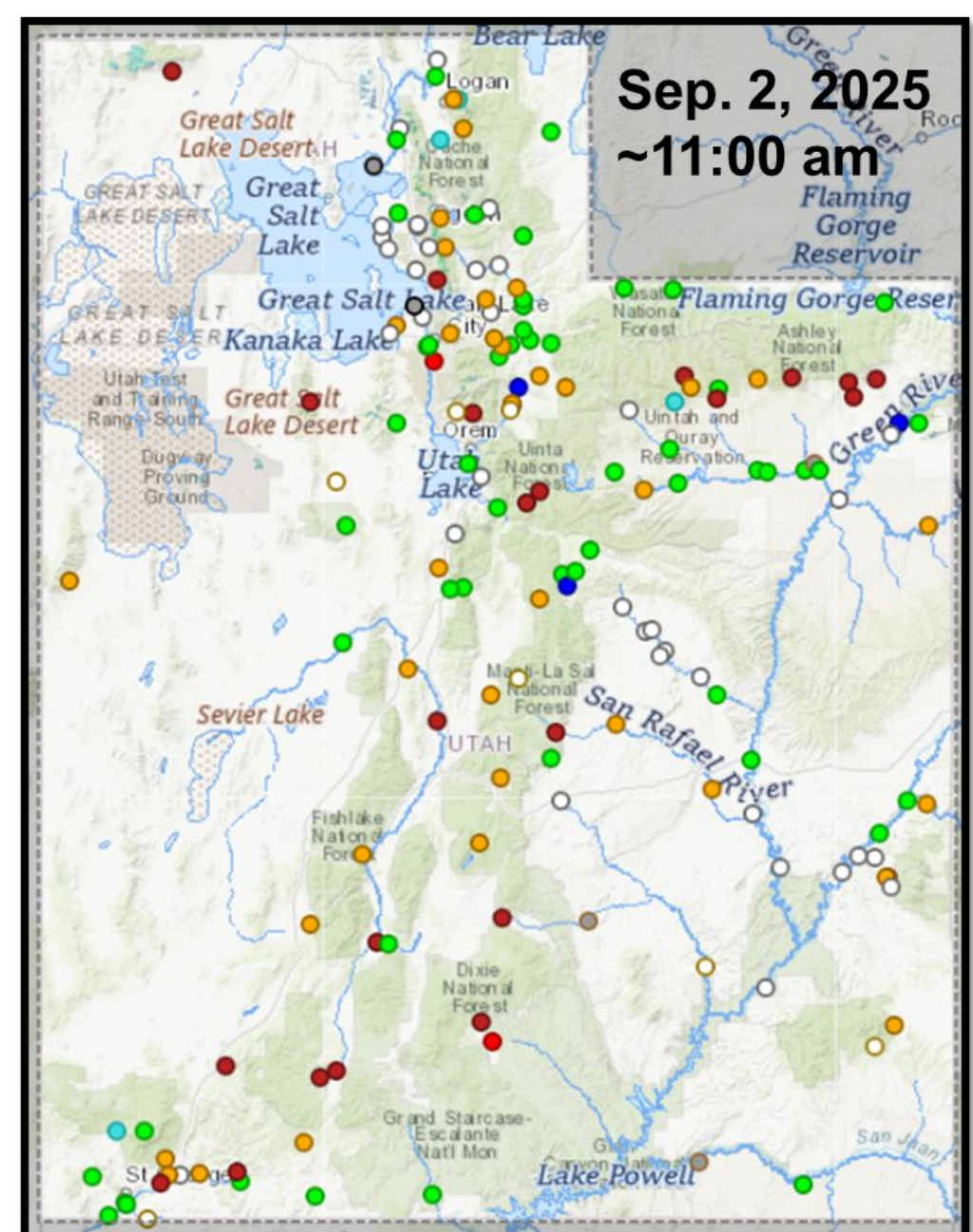
Sevier

Green River

San Juan

Lake Powell

Current Streamflow Conditions



**Sep. 2, 2025
~11:00 am**

Day-of-Year Status	Aug. 19	Sep. 2
All-time high for this day-of-year	0.0%	0.0%
Much above normal for this day-of-year	0.6%	2.4%
Above normal for this day-of-year	4.2%	2.4%
Normal for this day-of-year	24.0% █	31.0% █
Below normal for this day-of-year	18.6% █	21.4% █
Much below normal for this day-of-year	18.0% █	13.7% █
All-time low for this day-of-year	4.8% █	1.2%
Not ranked - insufficient record	22.2% █	22.6% █
Not ranked - no measurement	1.2%	0.6%
Not ranked - stream not flowing	5.4% █	3.6% █
Not ranked - no recent measurement	1.2%	1.2%

Streamflow: Status

- Above flood stage
- All-time high for this day
- Much above normal
- Above normal
- Normal
- Below normal
- Much below normal
- All-time low for this day
- Not flowing
- Not ranked
- Measurement flag
- Recent measurement unavailable

100th percentile (maximum)
>90th percentile
76th – 90th percentile
25th – 75th percentile
10th – 24th percentile
<10th percentile
0th percentile (minimum)

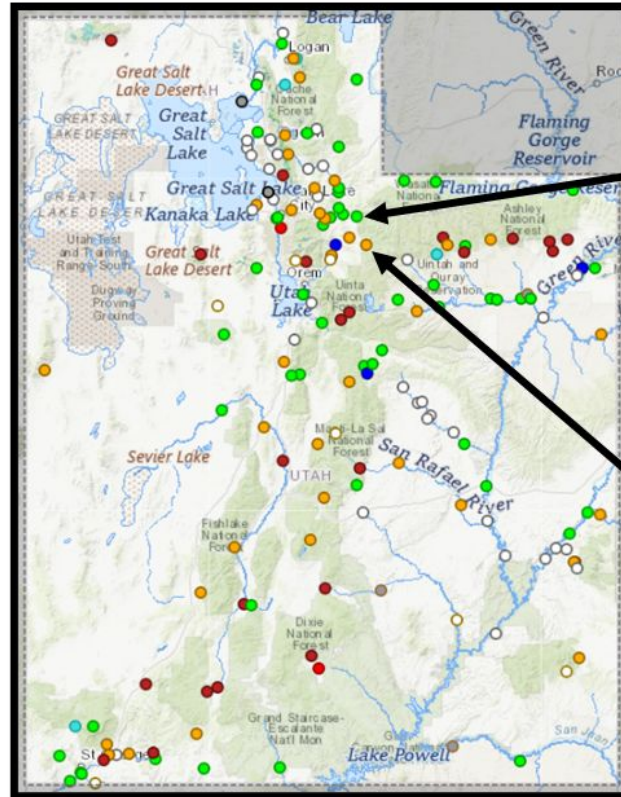
Provisional data,
subject to revision

Agency - USGS Utah WSC
Presenter - Ryan Rowland



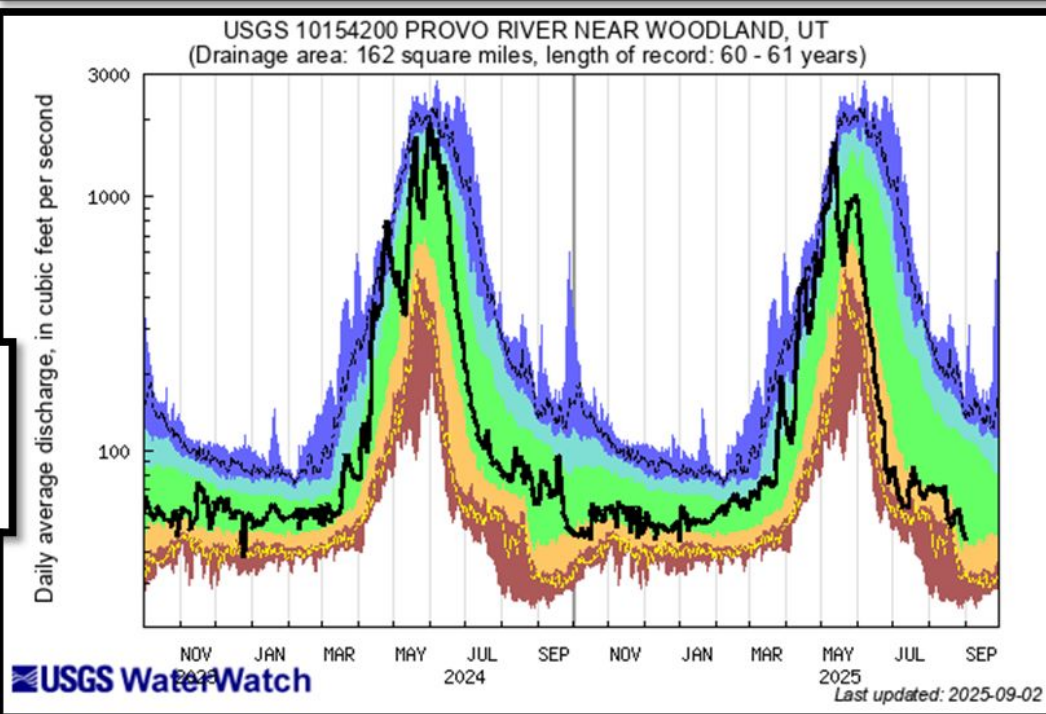
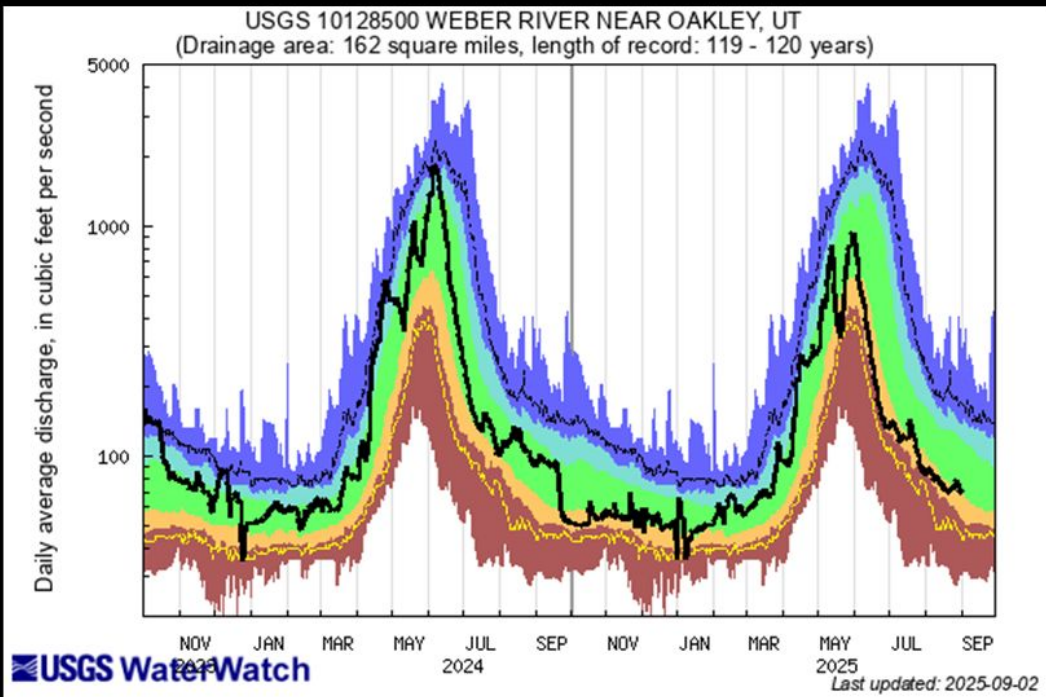
Sites must have at least 20 years of record to be ranked

Streamflow at Selected Gages

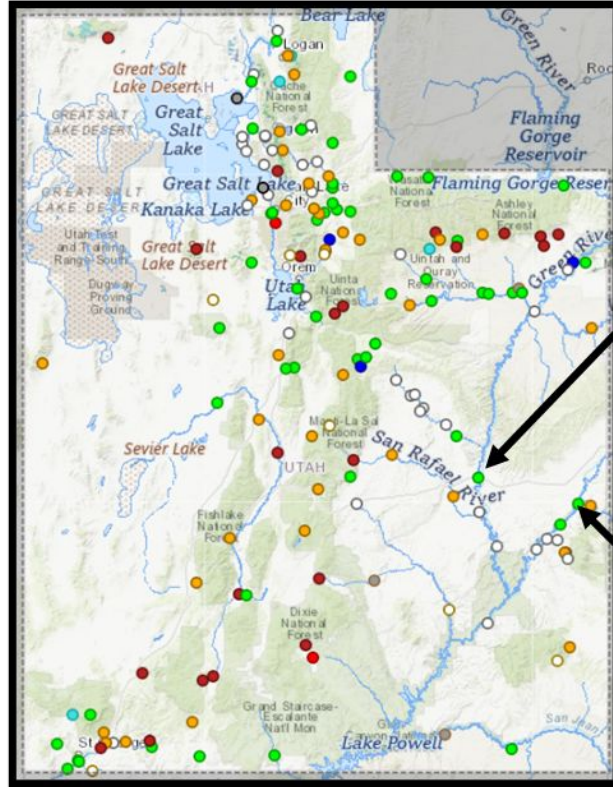


Explanation - Percentile classes						
lowest-10th percentile	5	10-24	25-75	76-90	95	90th percentile - highest
Much below Normal	Below normal	Normal	Above normal	Much above normal		

Provisional data,
subject to revision

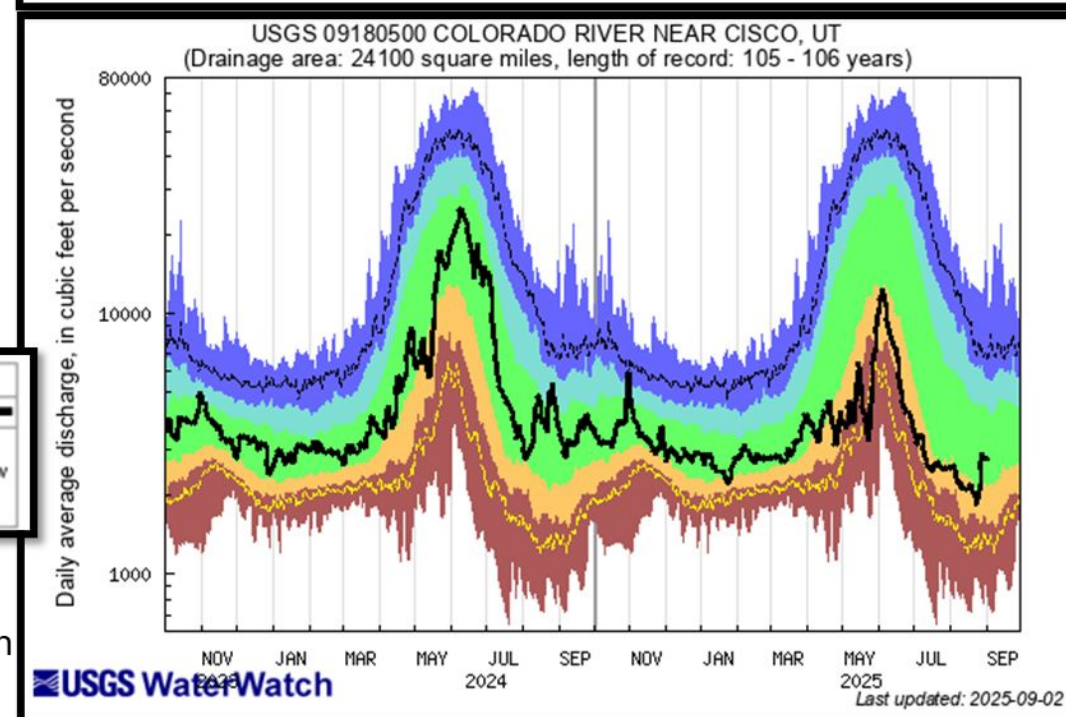
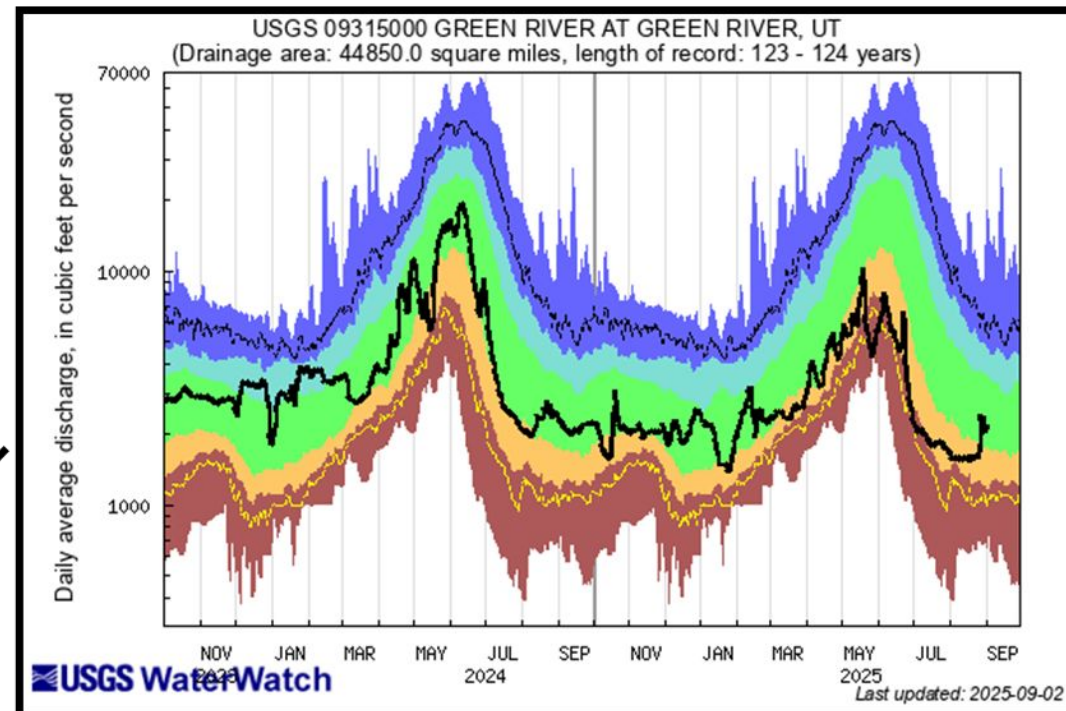


Streamflow at Selected Gages

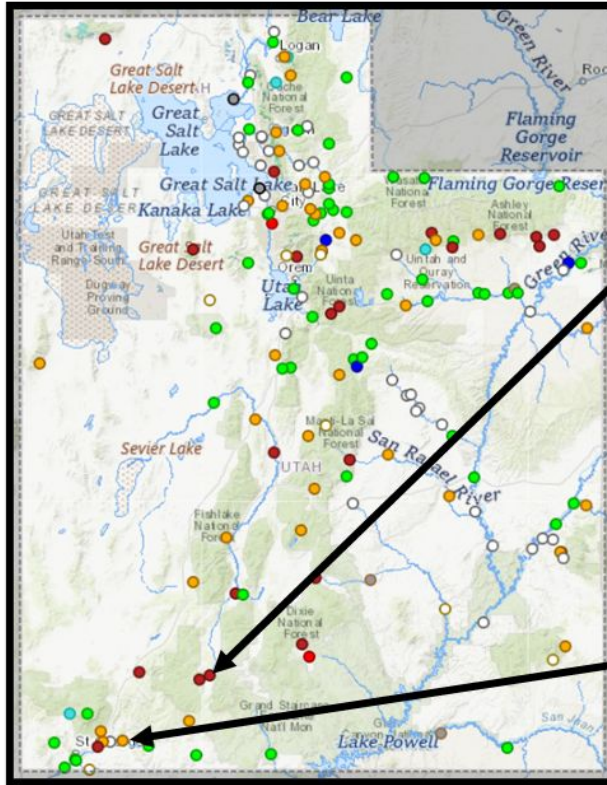


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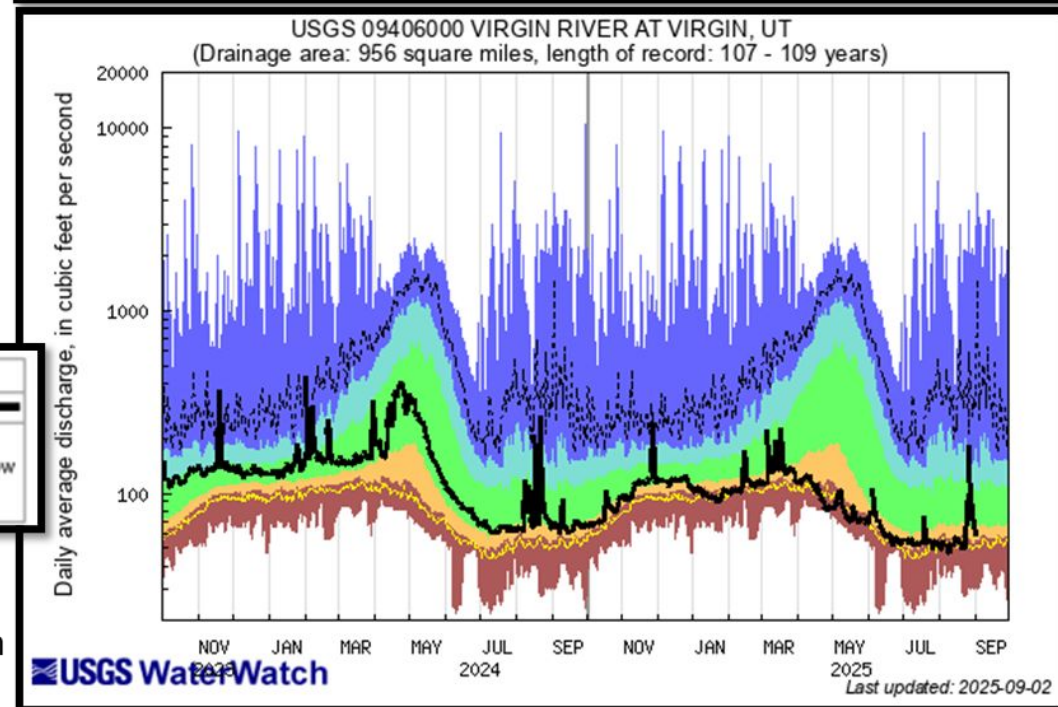
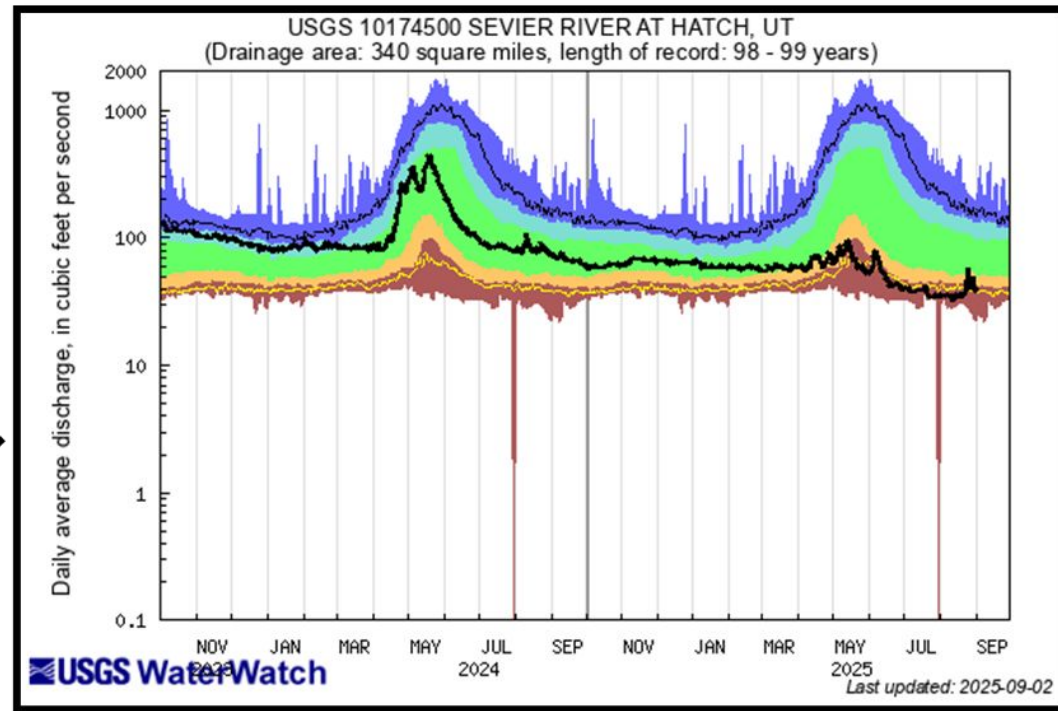


Streamflow at Selected Gages

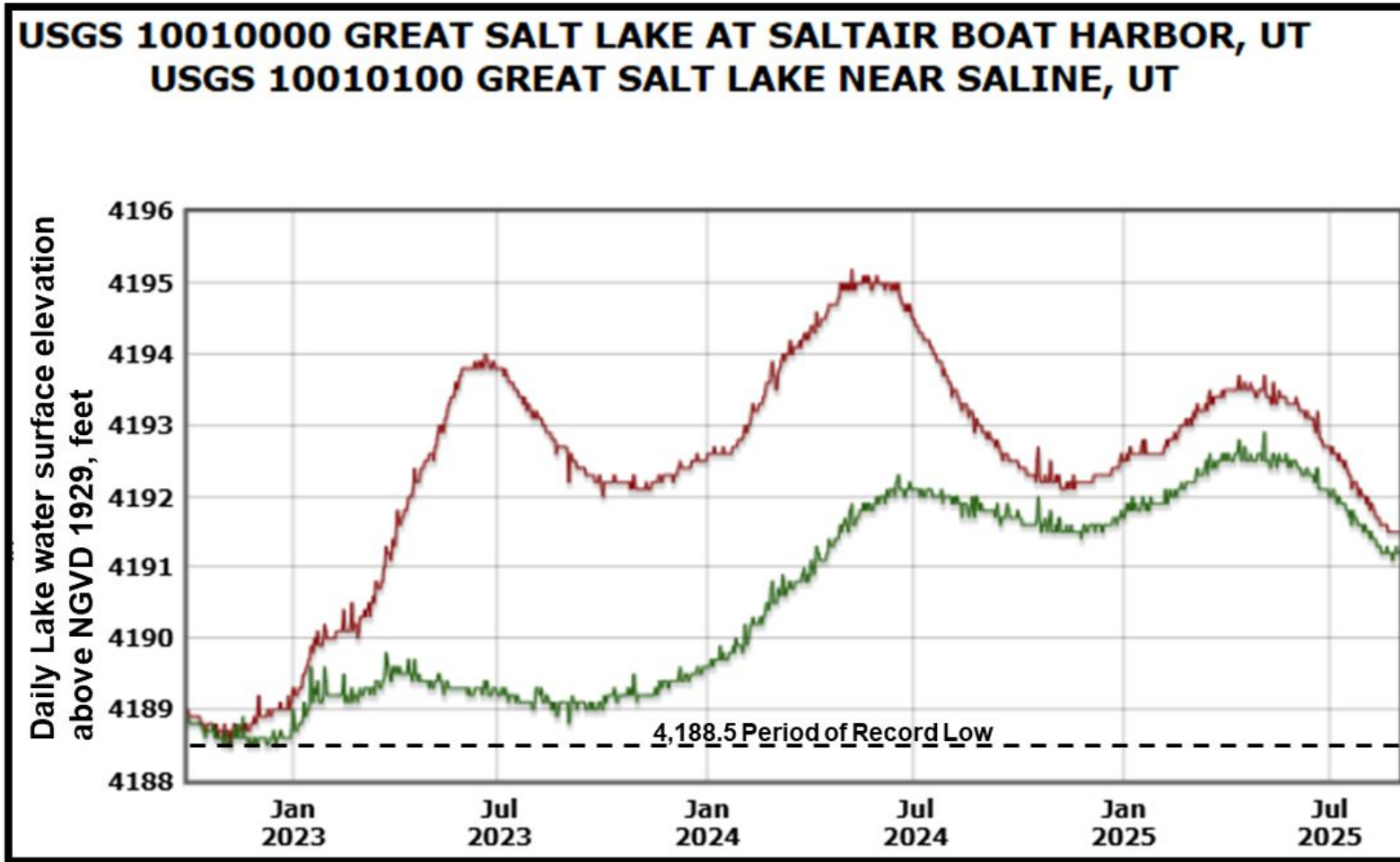


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						Flow

Provisional data,
subject to revision



Great Salt Lake Water Surface Elevations



Provisional data,
subject to revision

Daily Values *9/1/2025*

- South Arm:
4,191.5'

Down 2.2'
since
seasonal
high in Apr.
and May
2025
- North Arm:
4,191.2'

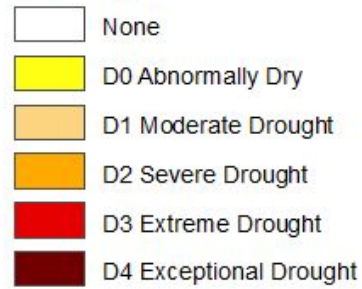
Down 1.7'
since
seasonal
high in May
2025

U.S. Drought Monitor

Utah

August 26, 2025
(Released Thursday, Aug. 28, 2025)
Valid 8 a.m. EDT

Intensity:



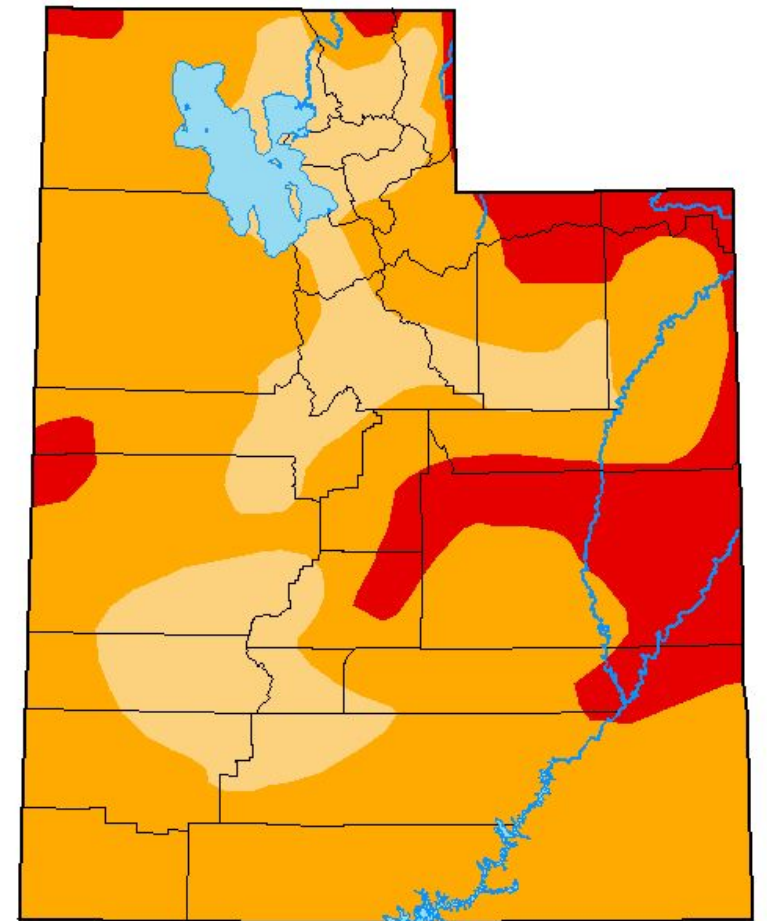
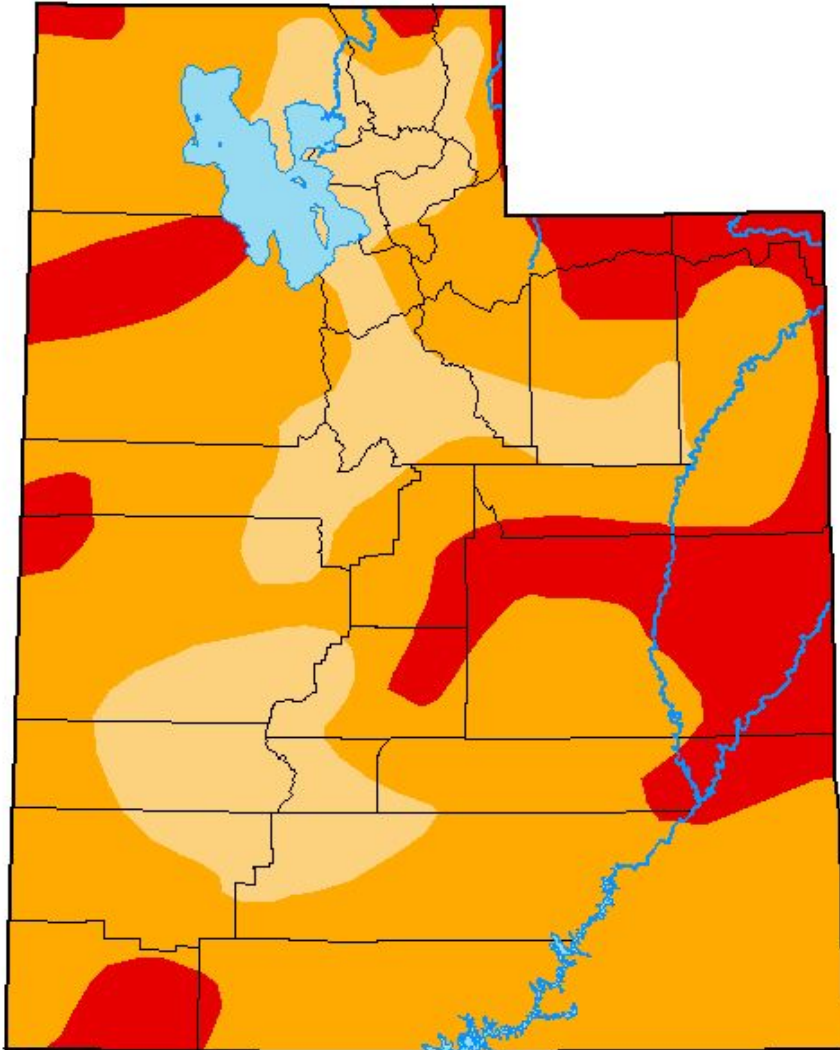
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Brad Rippey
U.S. Department of Agriculture



droughtmonitor.unl.edu



To report on conditions between meetings:

Submit a report on CMOR drought website

Email Lhaskell@utah.gov

email drought@utah.gov