



Utah Water Conditions (drought webinar)

The meeting will begin shortly



Thank you to our contributors



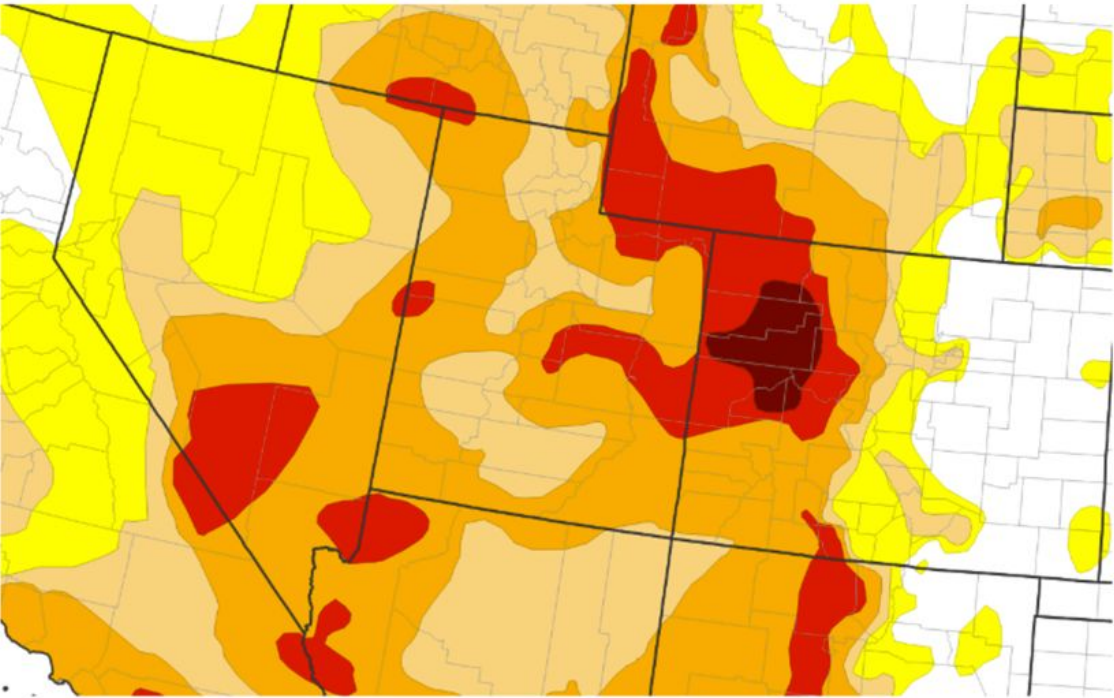


Utah Water Conditions Update

August 19, 2025

Current Drought Conditions

U.S. Drought Monitor



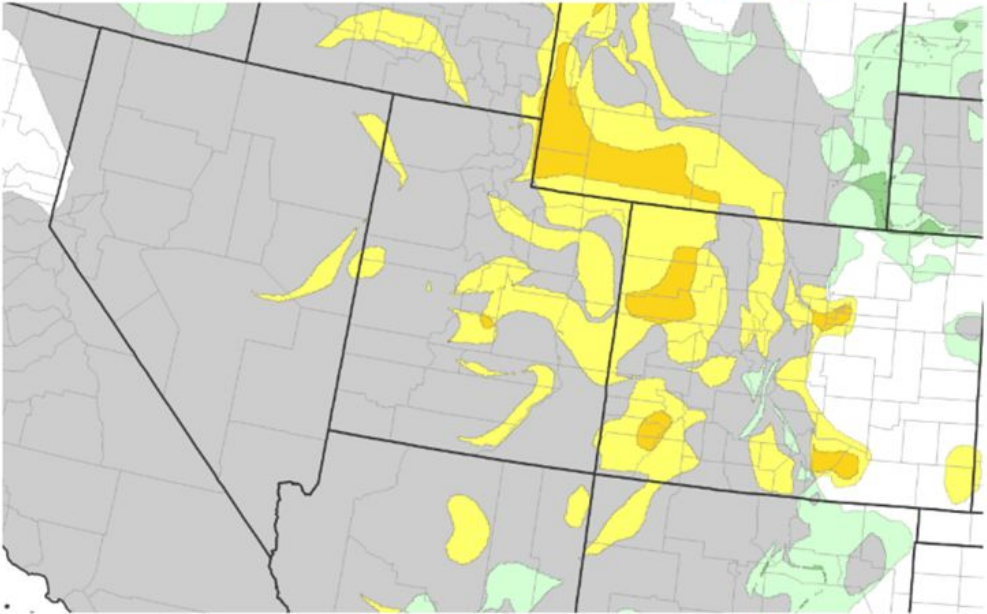
U.S. Drought Monitor



Source(s): NDMC, NOAA, USDA
Data Valid: 08/12/25

Drought.gov

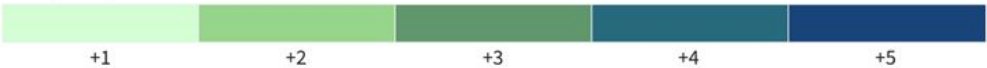
U.S. Drought Monitor 4-Week Change Map



Drought Degradation



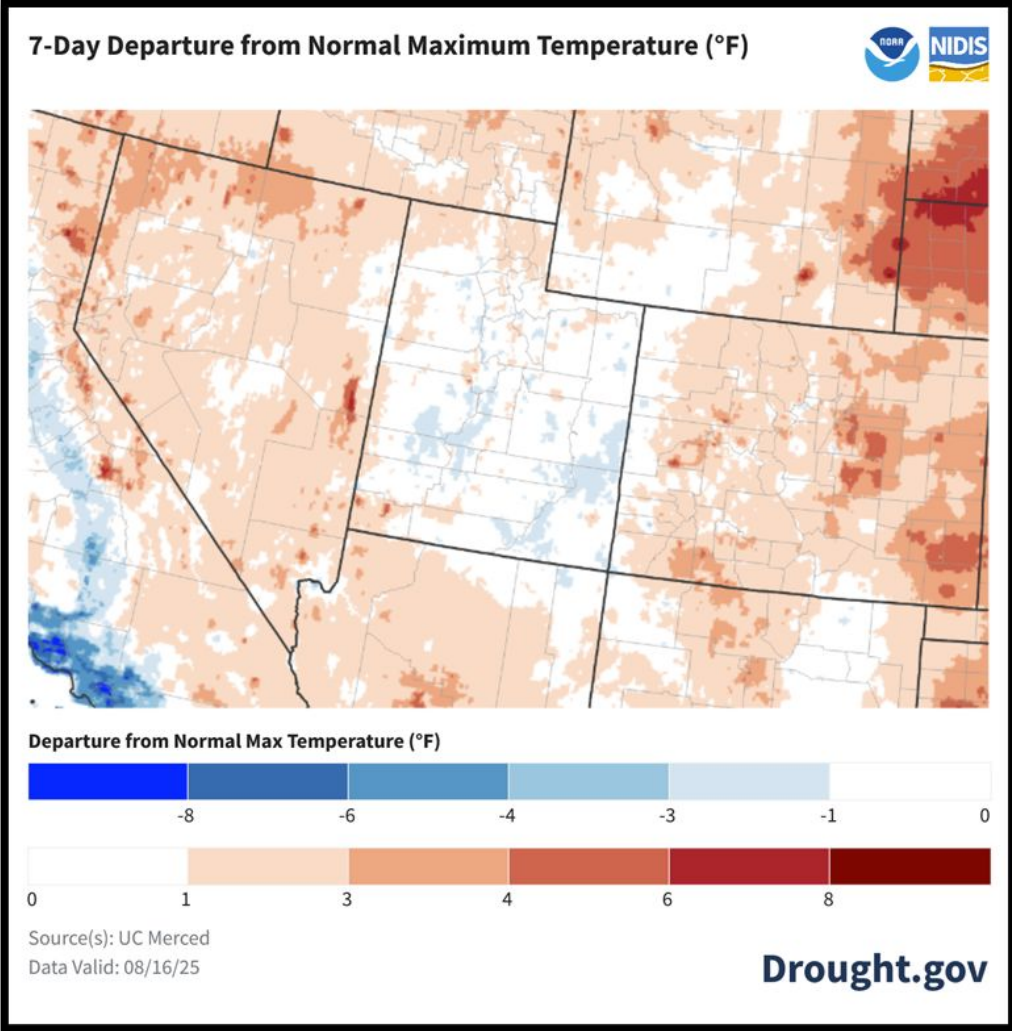
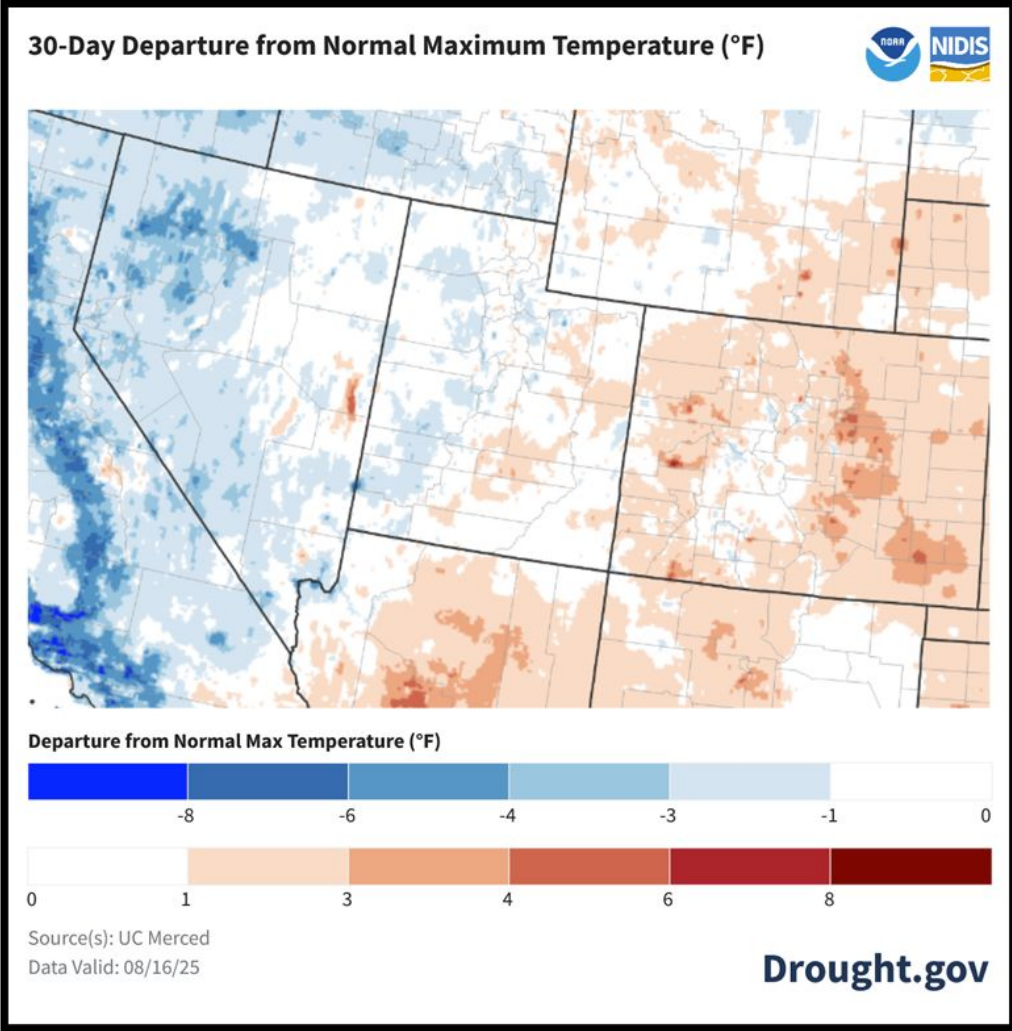
Drought Improvement



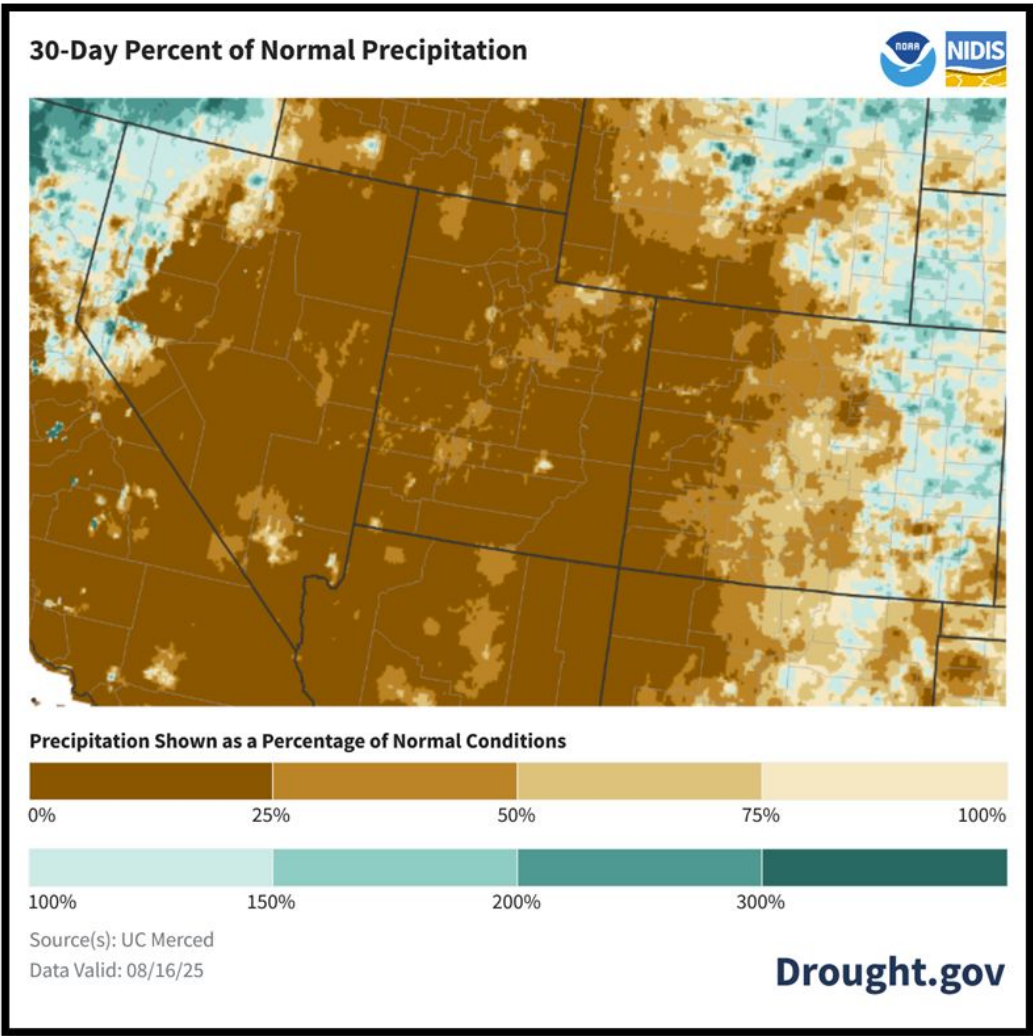
Source(s): NDMC, NOAA, USDA
Data Valid: 08/12/25

Drought.gov

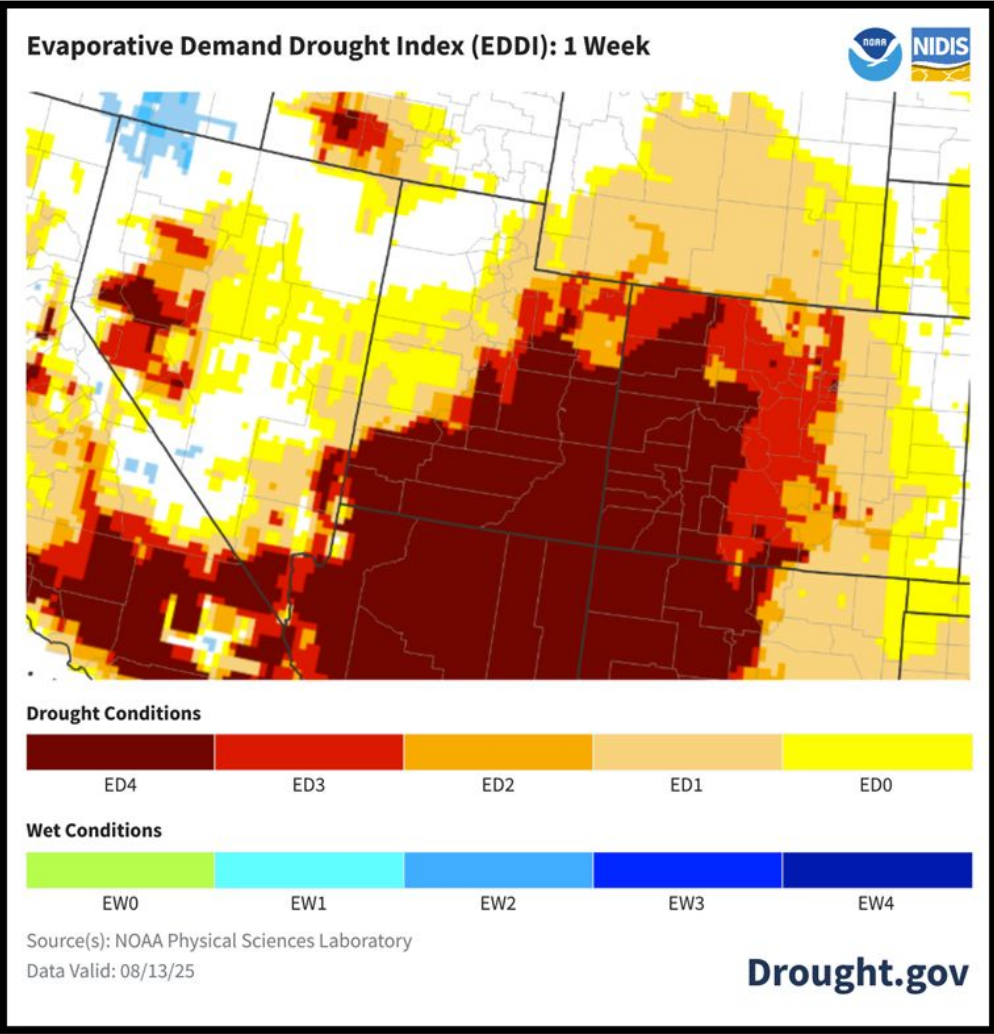
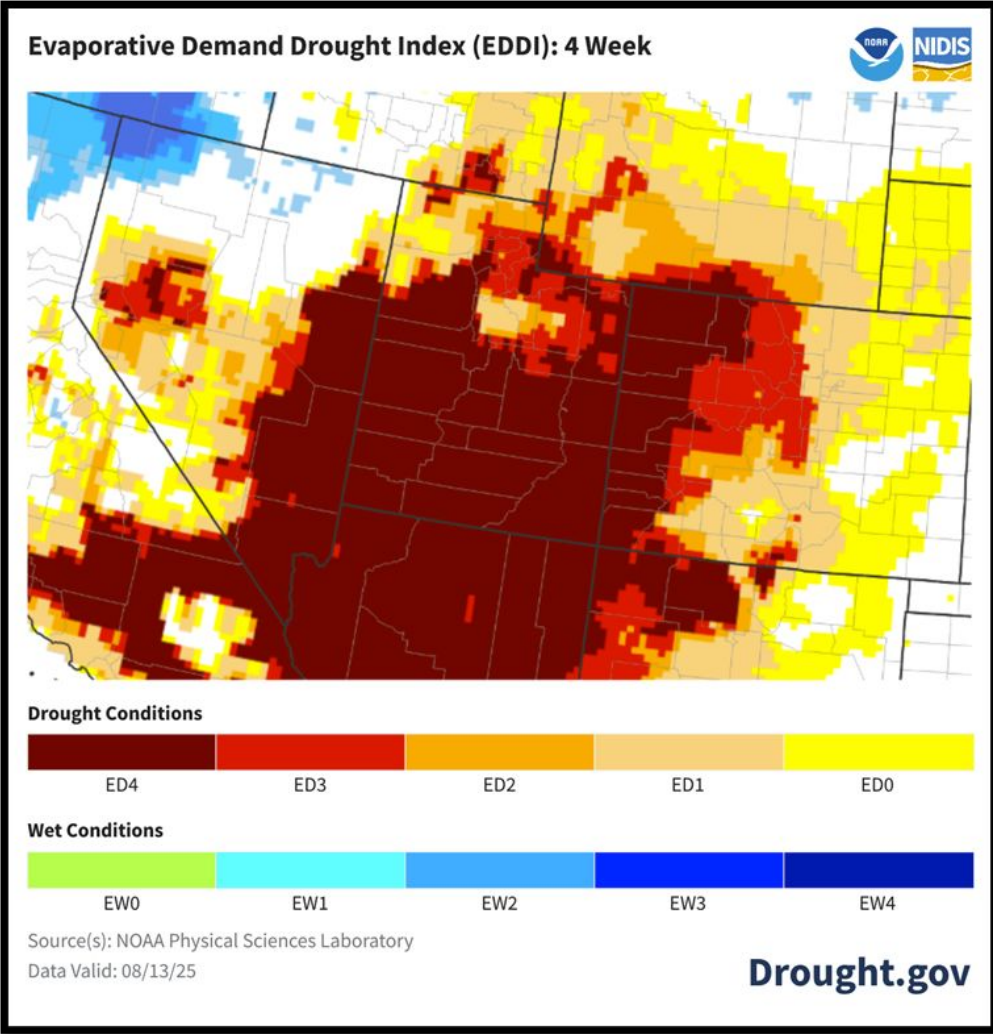
Temperature Summary



Precipitation Summary



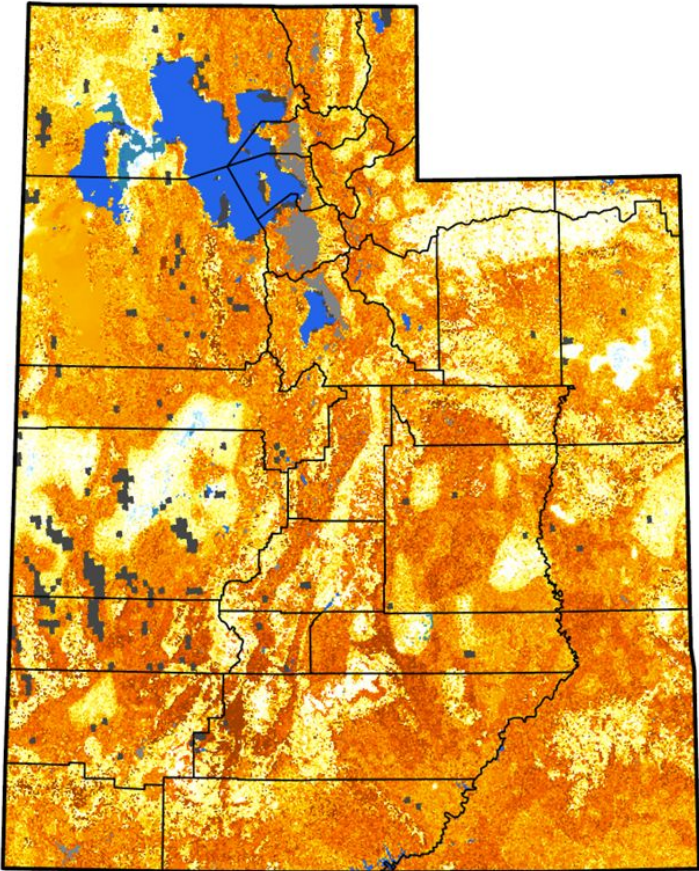
Evaporative Demand (EDDI)



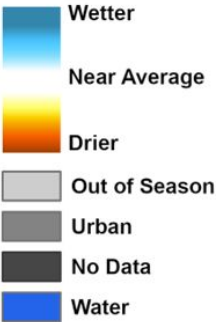
Quick Drought Response Index (Quick-DRI)

Quick Drought Response Index Utah

August 10, 2025
(Week 32)



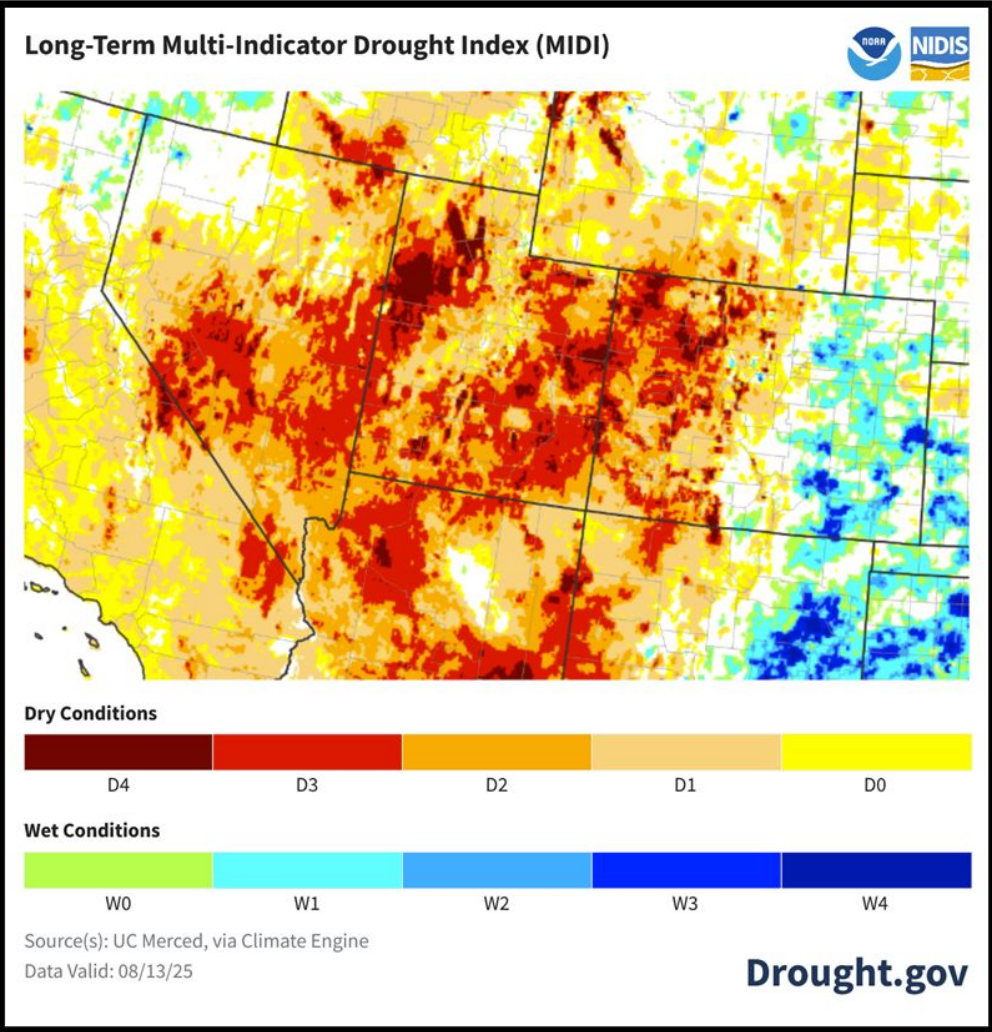
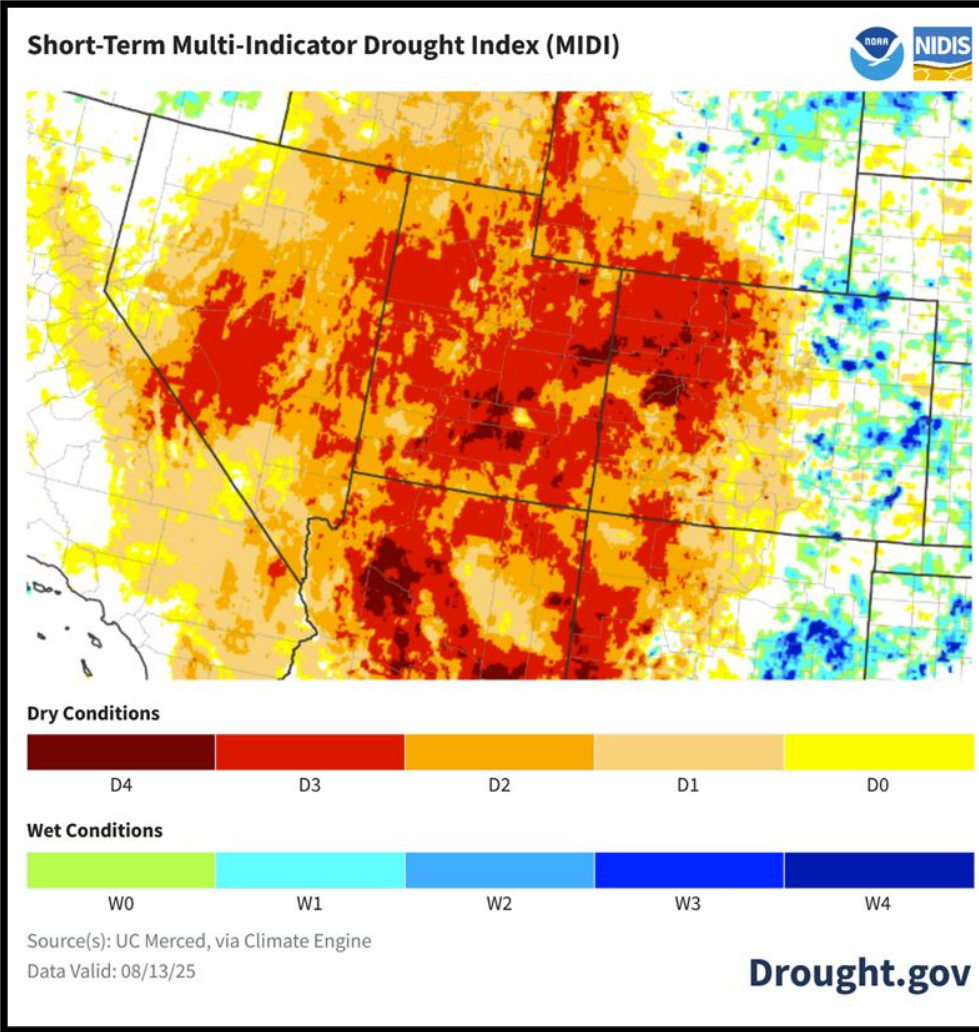
Conditions Relative to
4-Week Historical Average



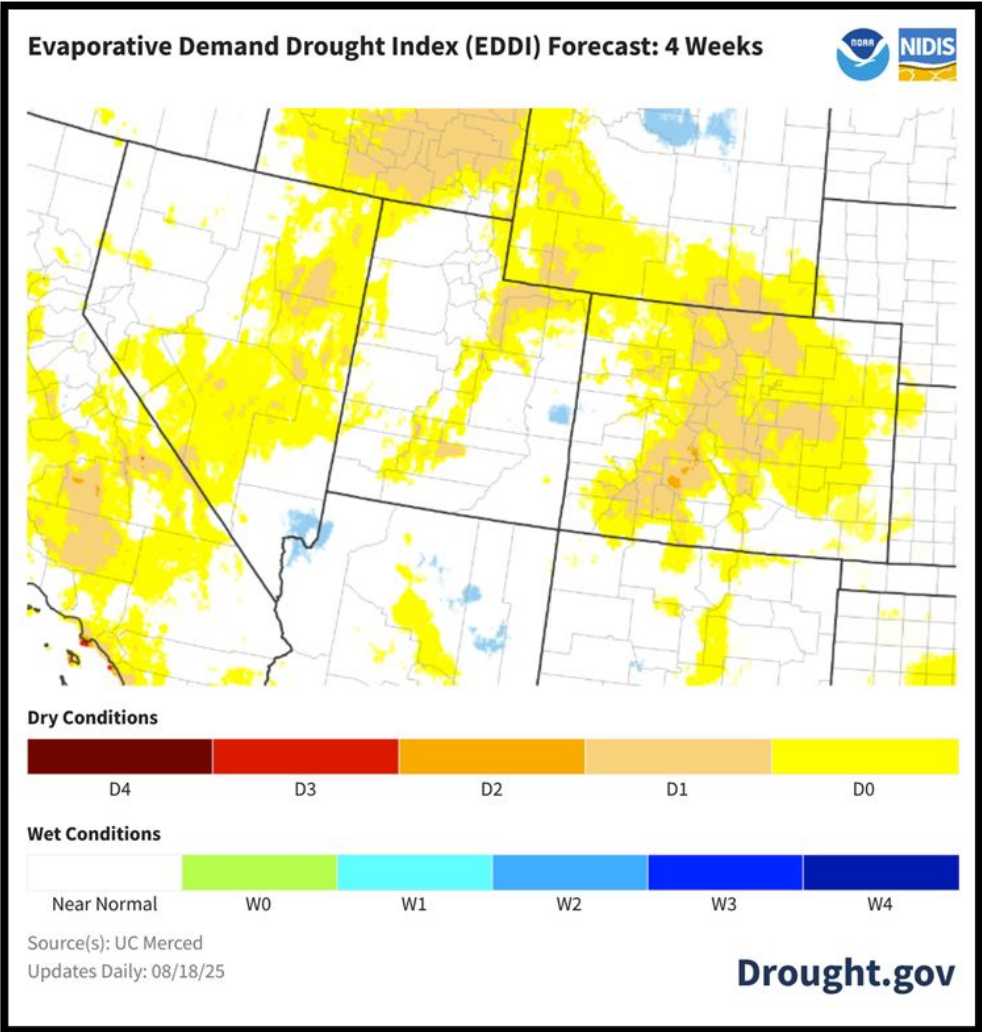
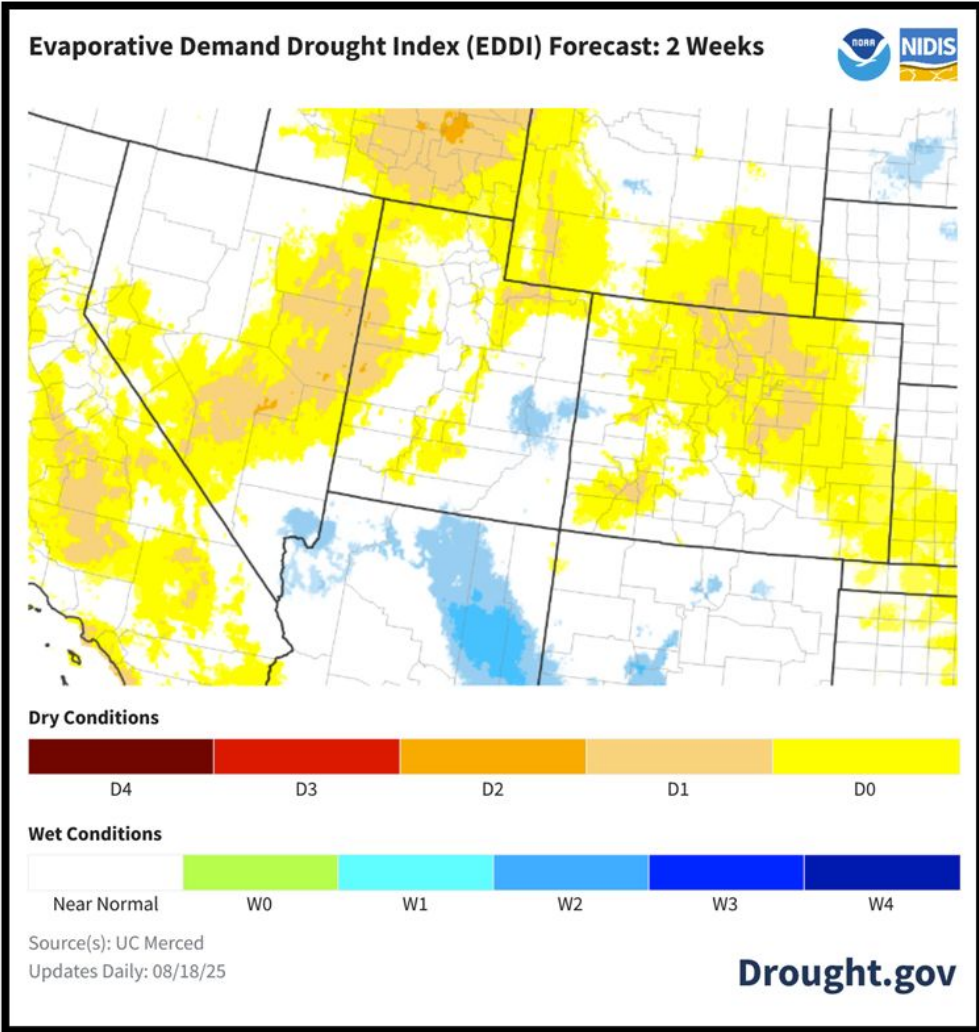
CALMIT
University of Nebraska - Lincoln
Center for Advanced Land Management Information Technologies



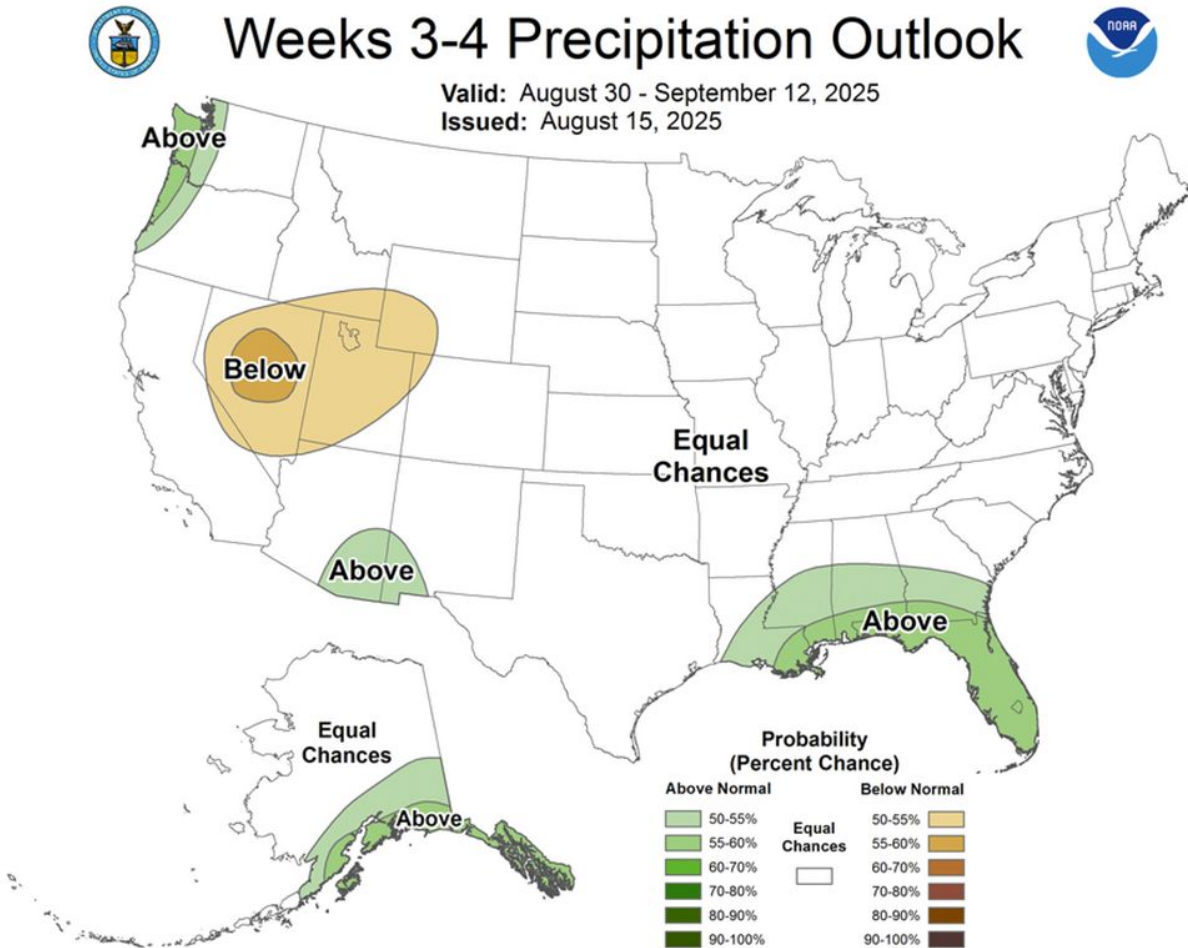
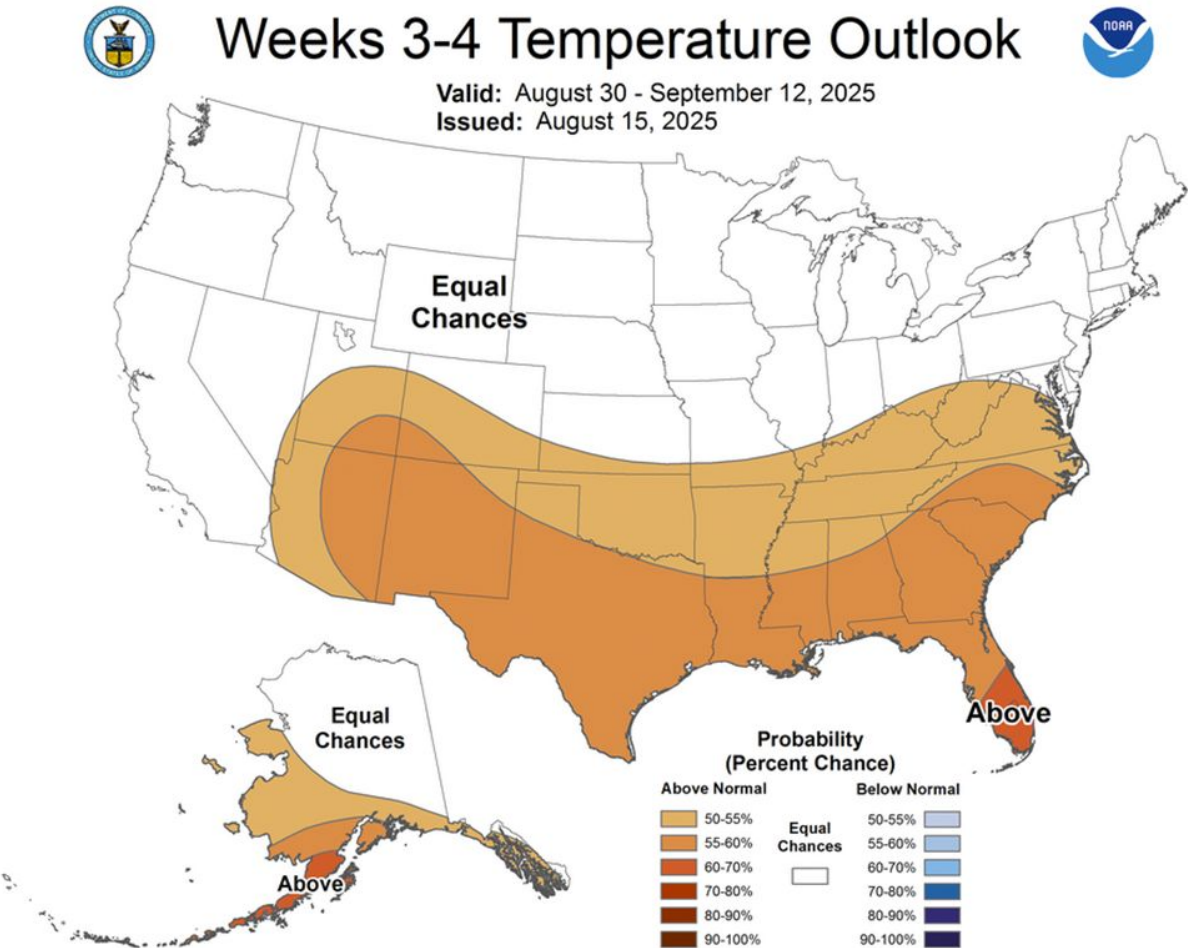
Multi-Indicator Drought Index (MIDI)



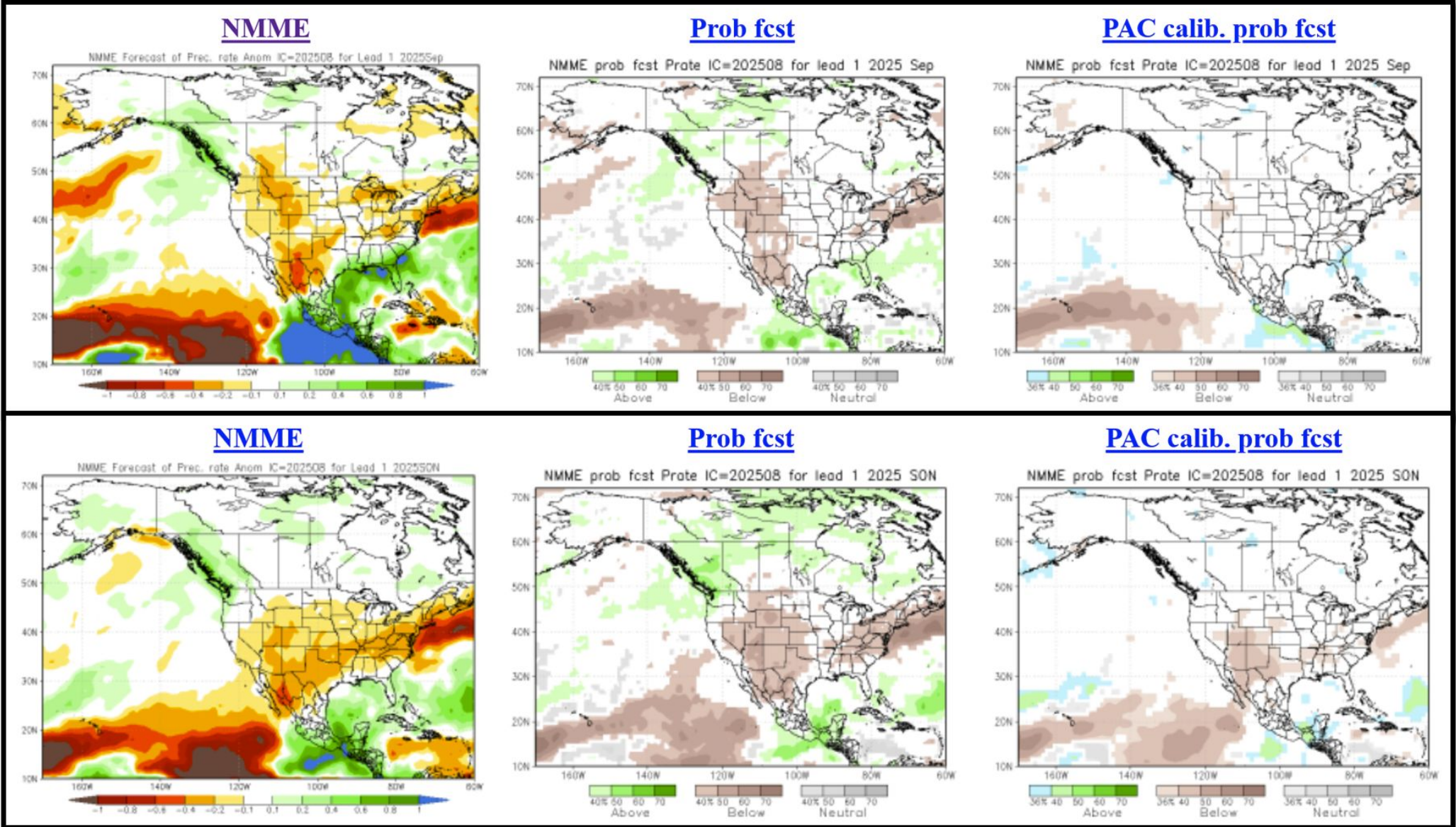
Evaporative Demand Forecasts



CPC Outlook: September's Start

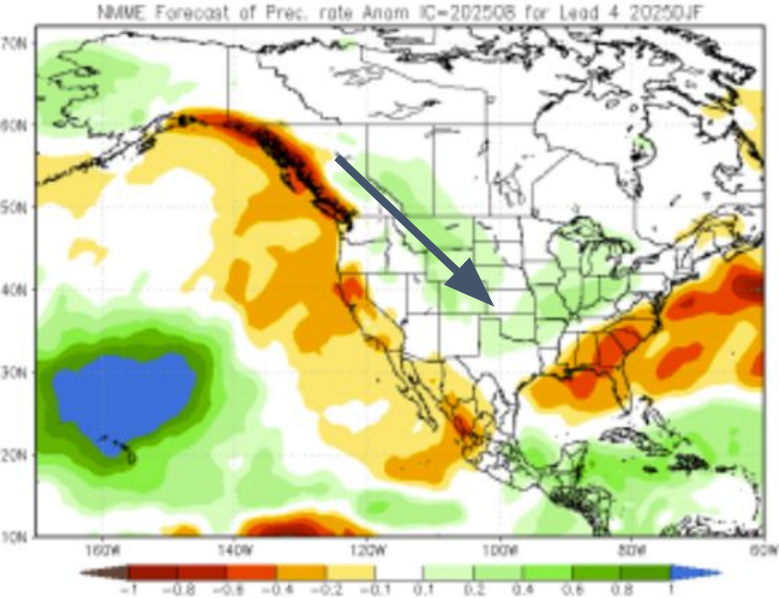


Multi-Model Ensemble Fall Season Prediction

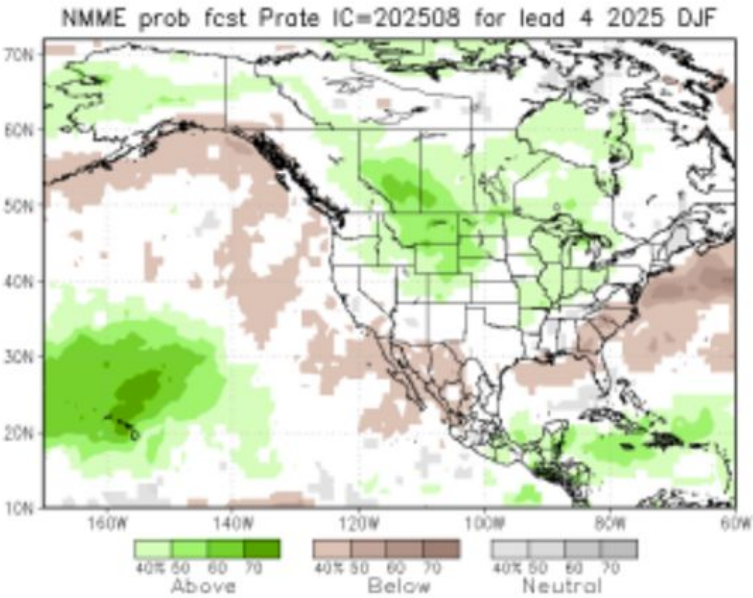


Multi-Model Ensemble Outlook for Dec-Feb

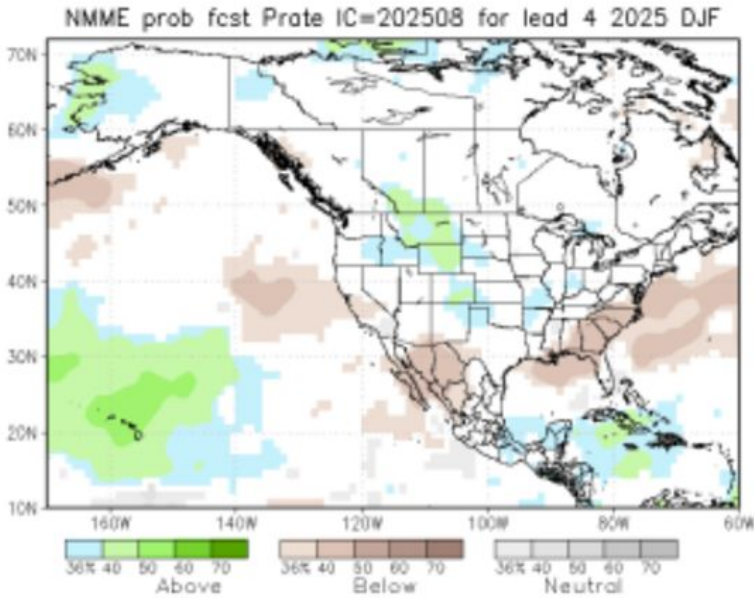
NMME



Prob fcst

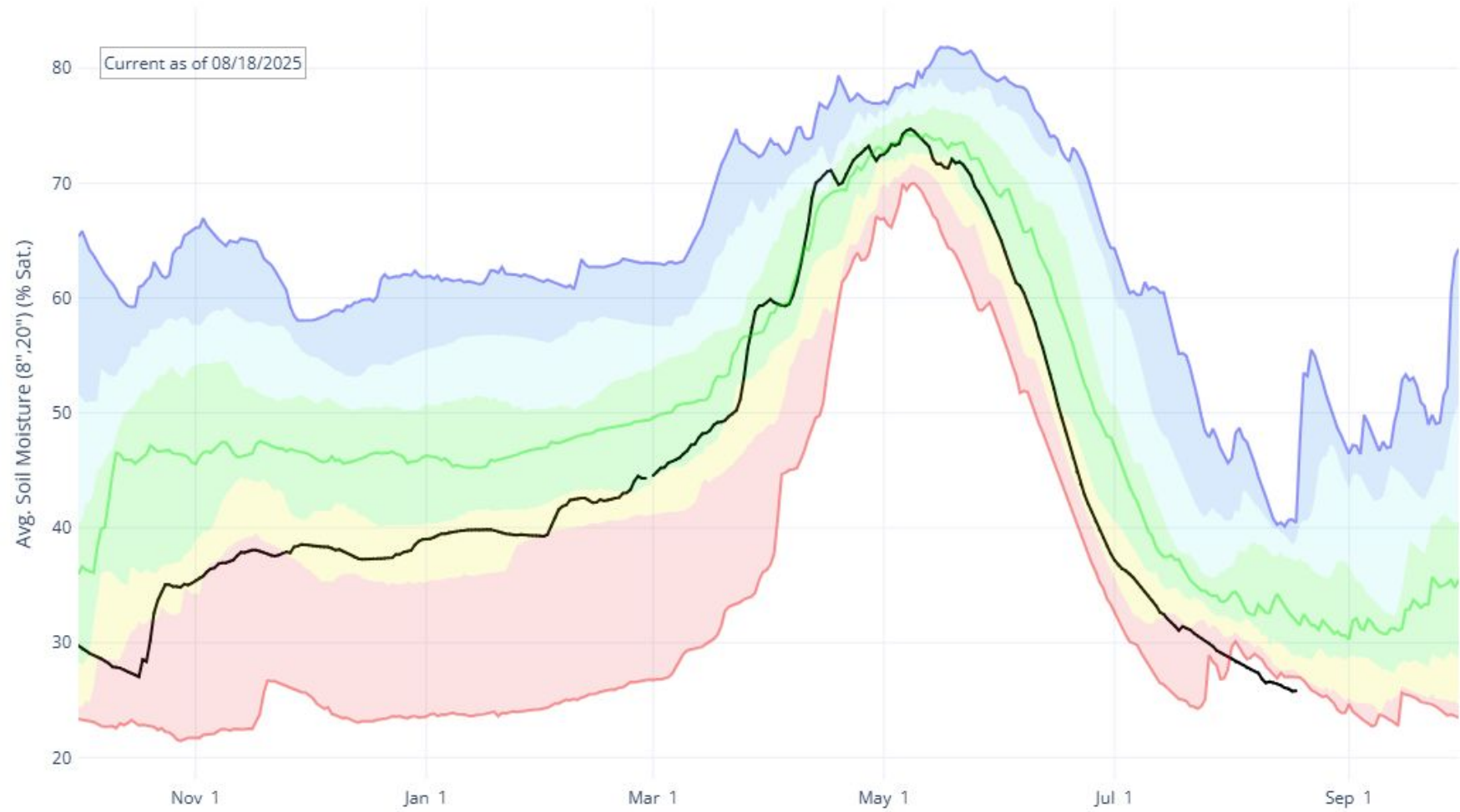


PAC calib. prob fcst

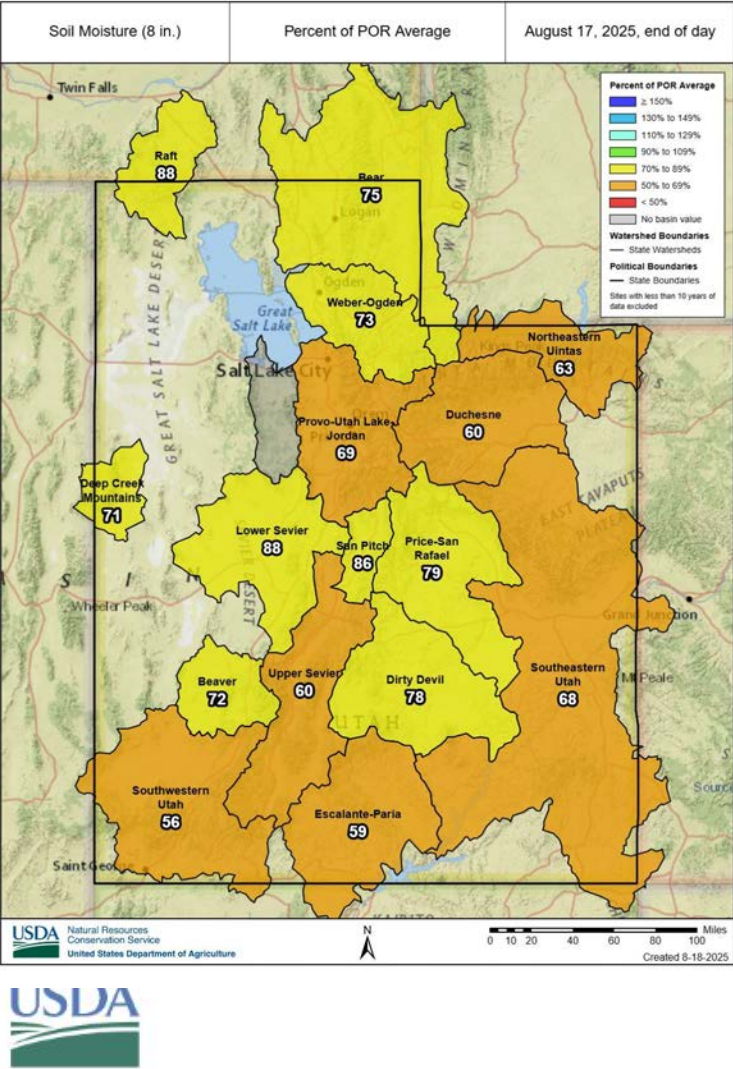


Soil Moisture

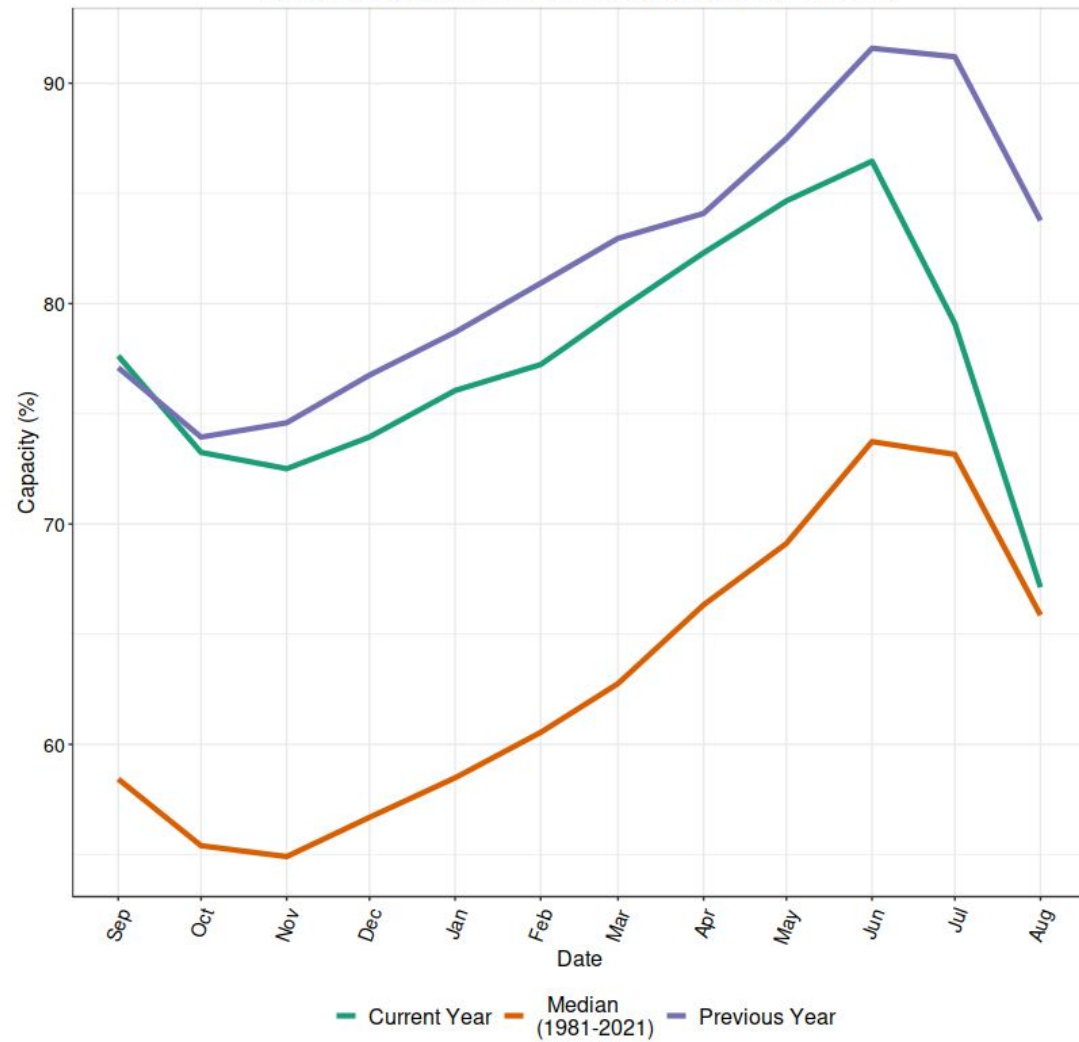
AVG. SOIL MOISTURE (8",20") IN STATE OF UTAH



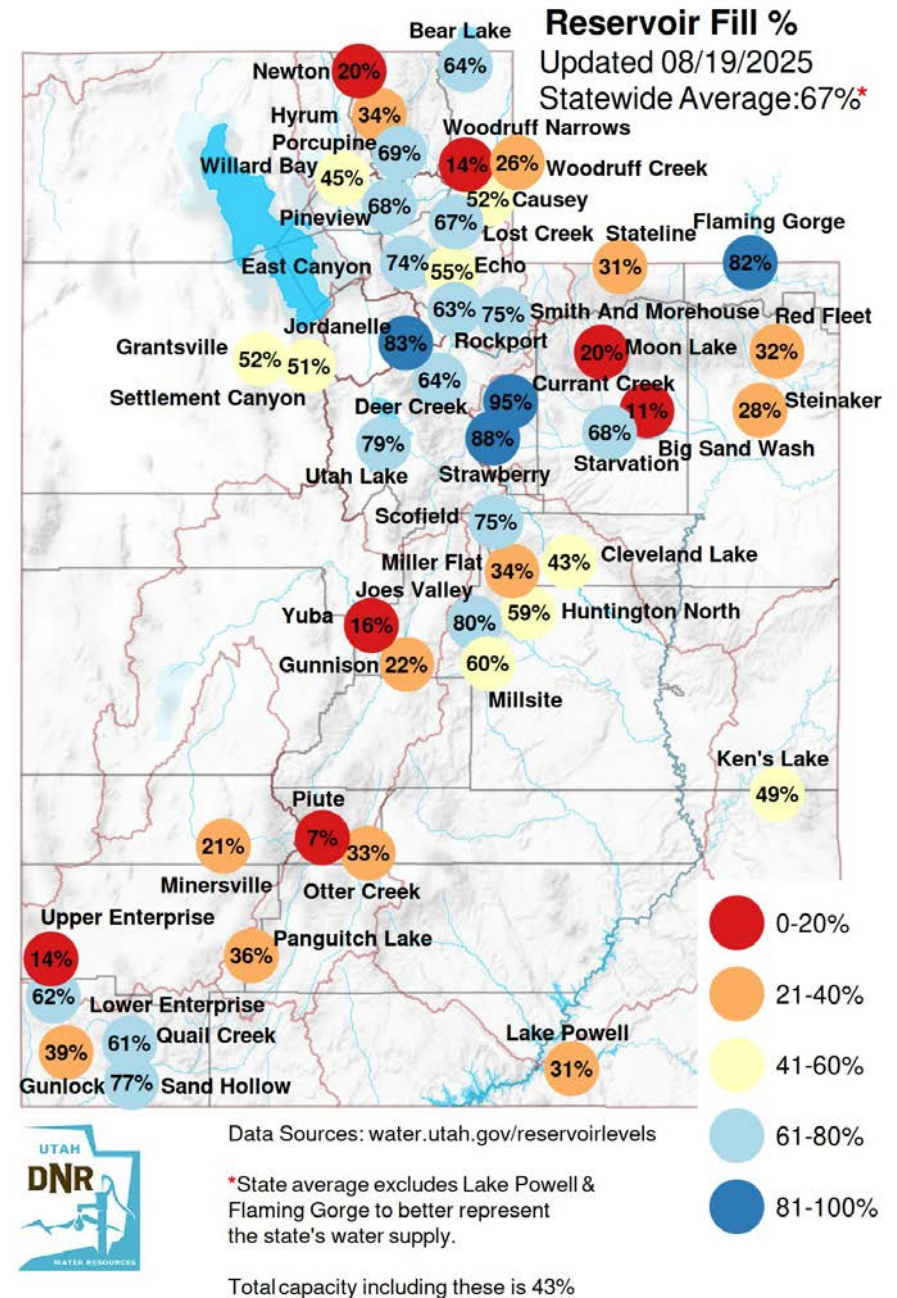
Agency -
Presenter -



All Excluding Lake Powell & Flaming Gorge (Aug-18-2025)



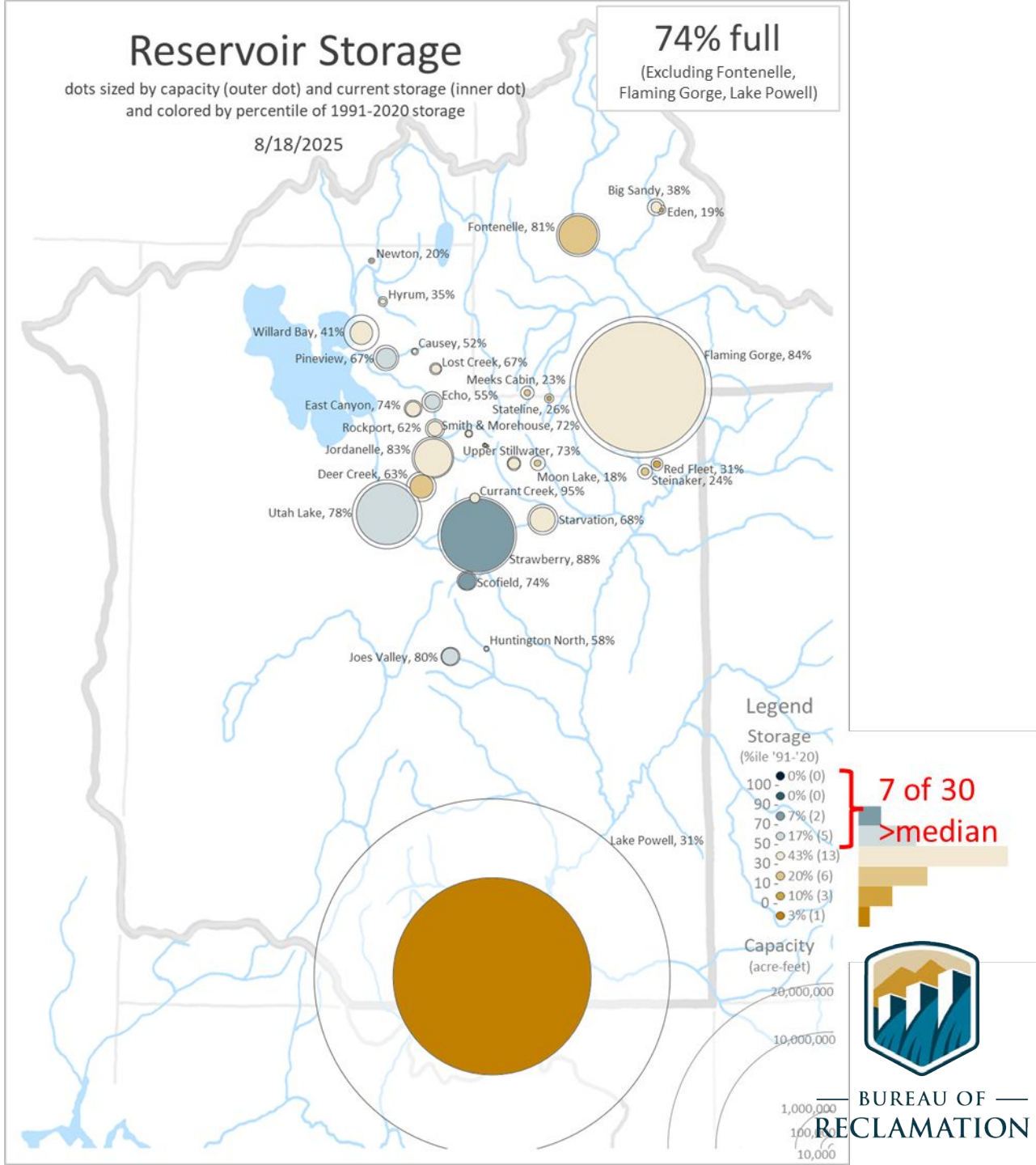
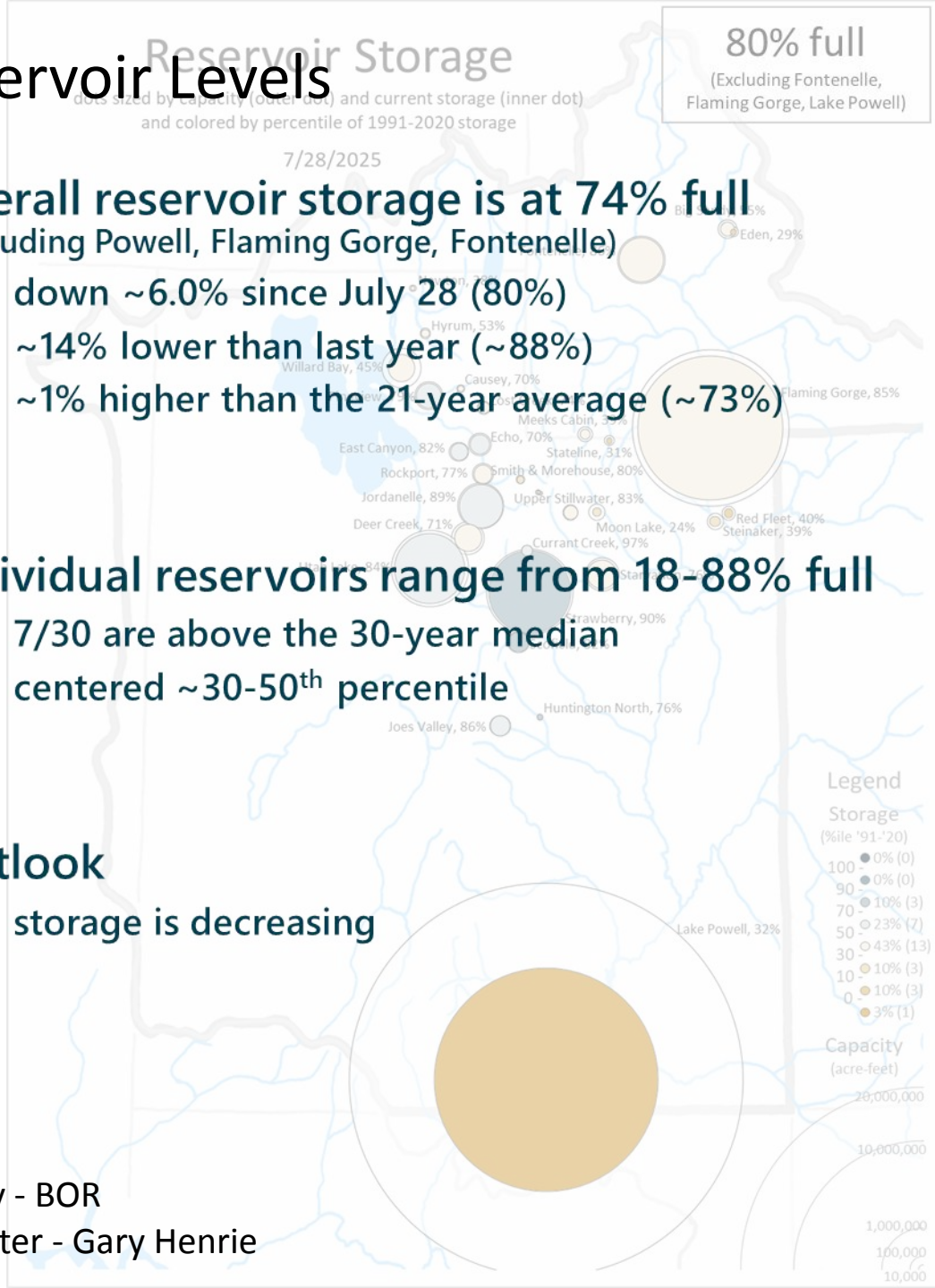
Agency - Division of Water Resources w/NRCS data
 Presenter - Laura Haskell



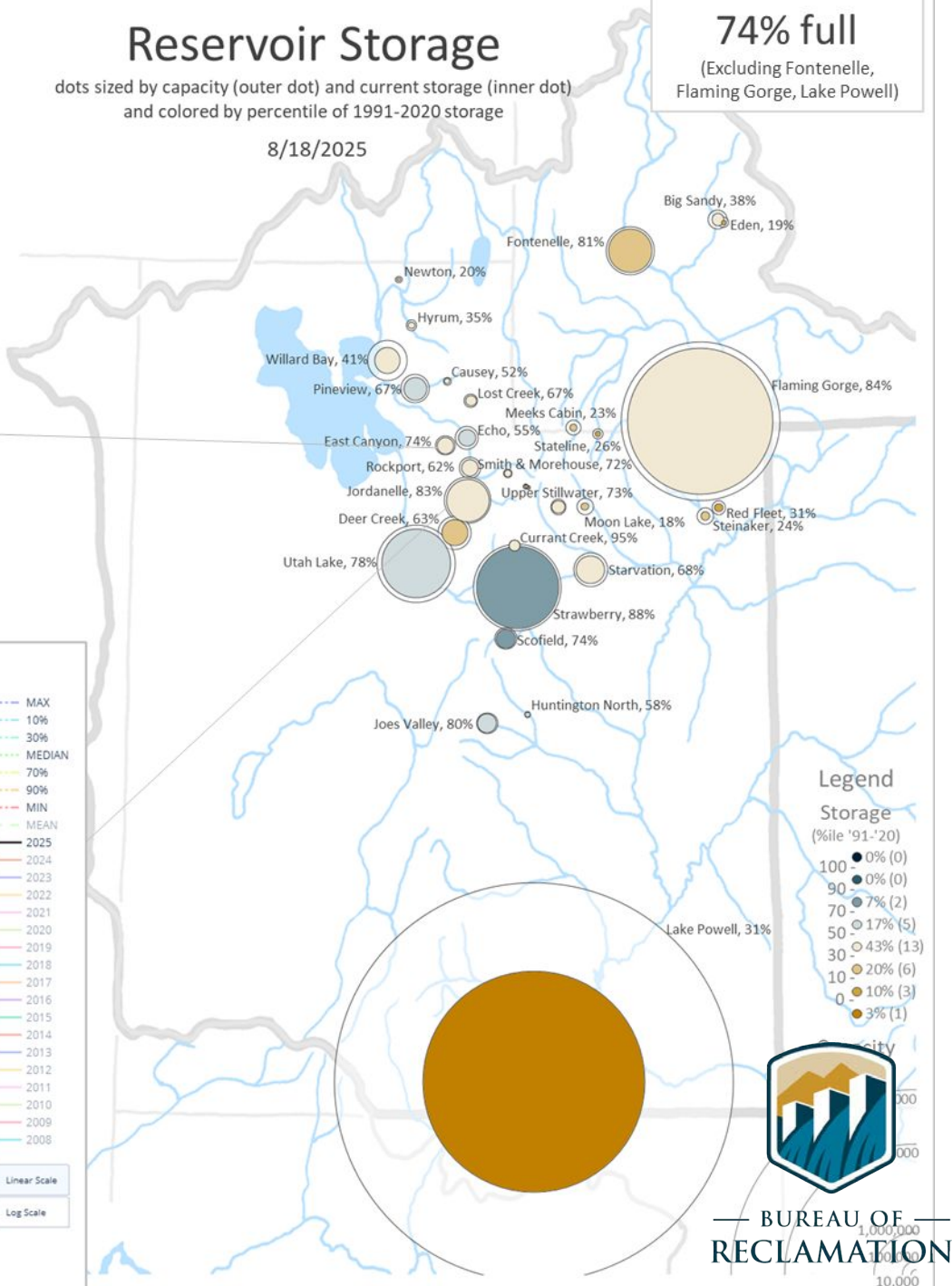
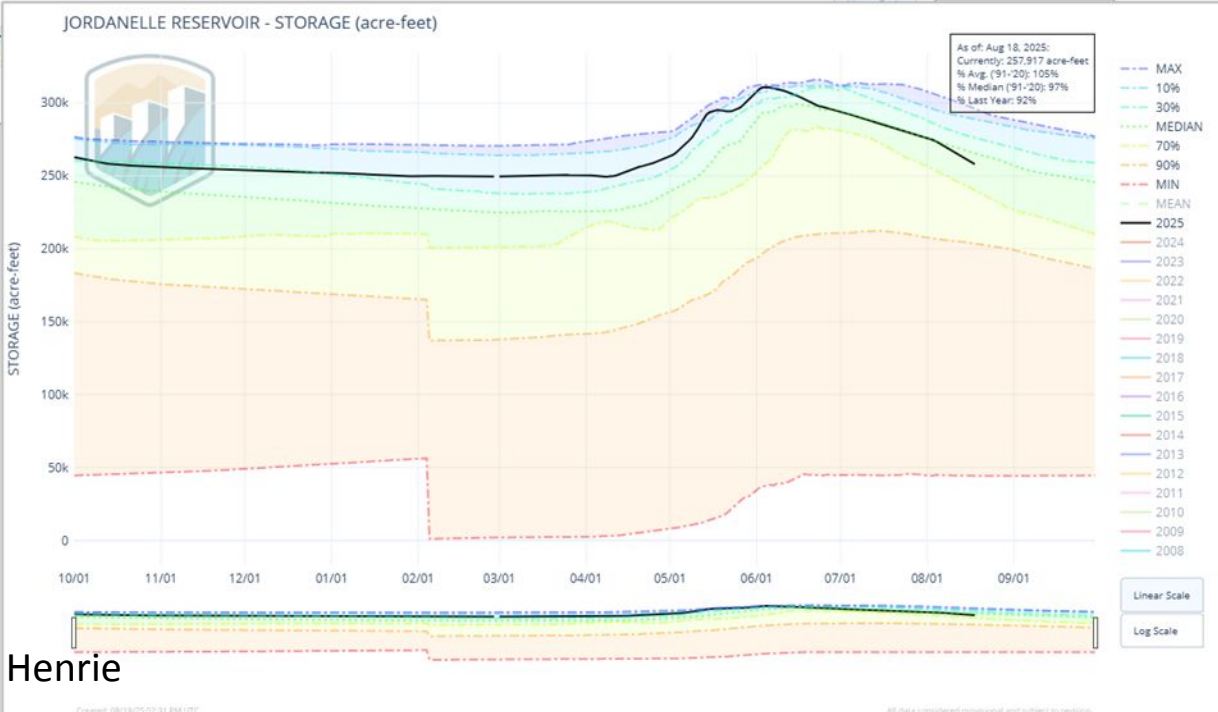
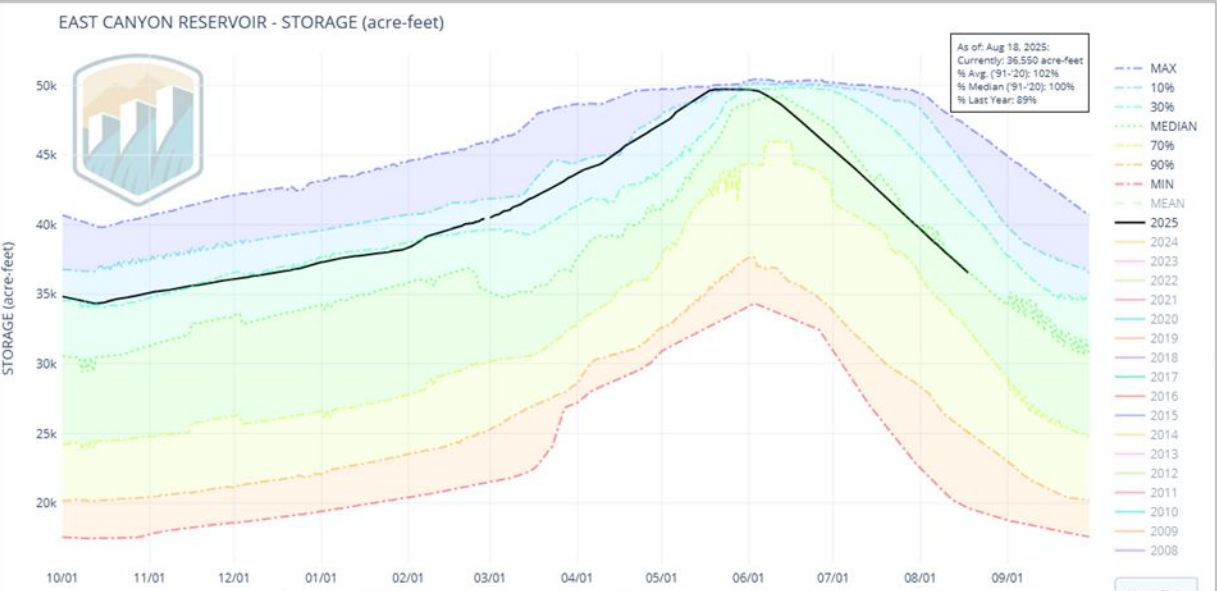
Reservoir Levels

- Overall reservoir storage is at 74% full (Excluding Powell, Flaming Gorge, Fontenelle)
 - down ~6.0% since July 28 (80%)
 - ~14% lower than last year (~88%)
 - ~1% higher than the 21-year average (~73%)
- Individual reservoirs range from 18-88% full
 - 7/30 are above the 30-year median
 - centered ~30-50th percentile
- Outlook
 - storage is decreasing

Agency - BOR
 Presenter - Gary Henrie

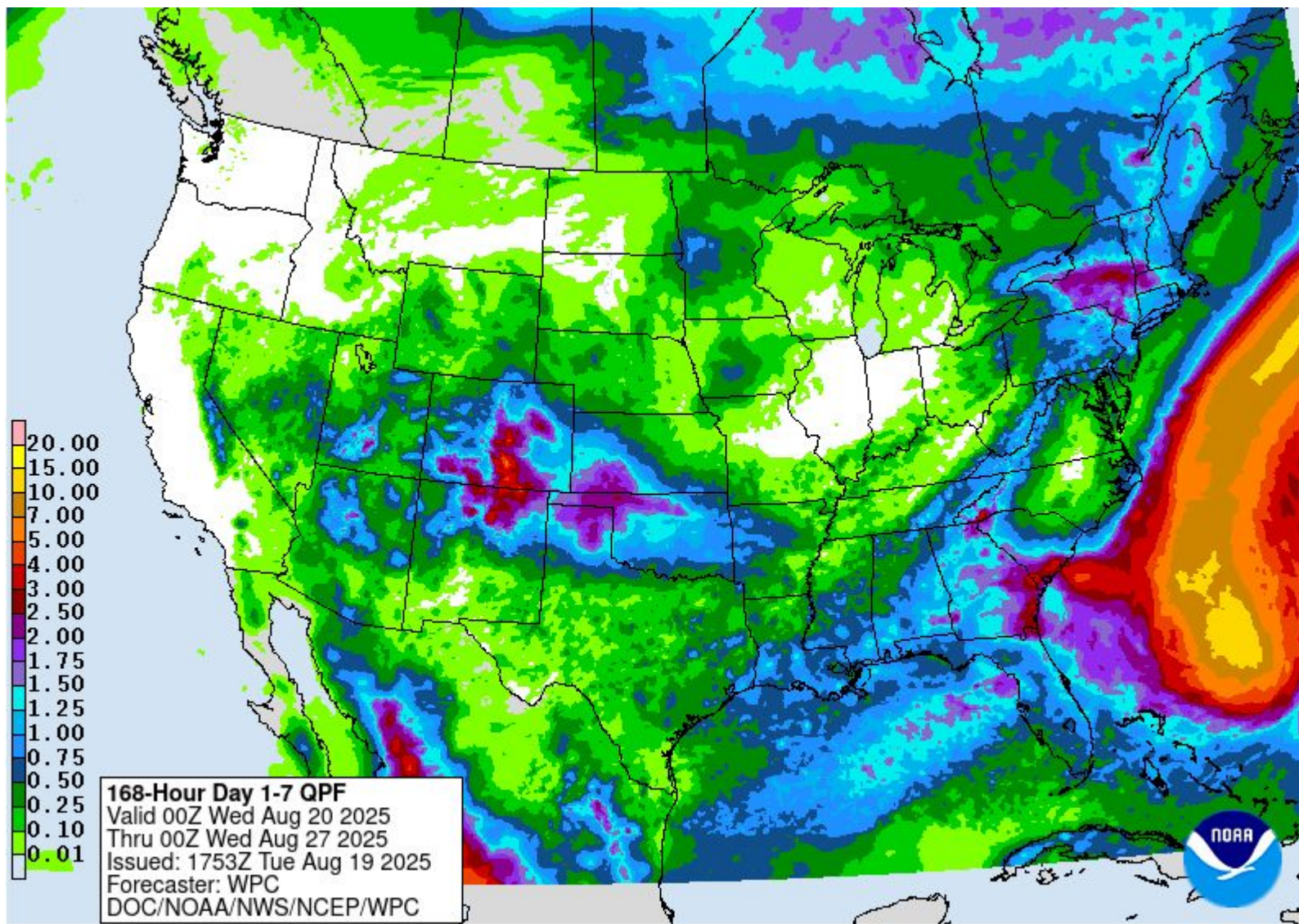


Reservoir Levels



Agency - BOR
Presenter - Gary Henrie

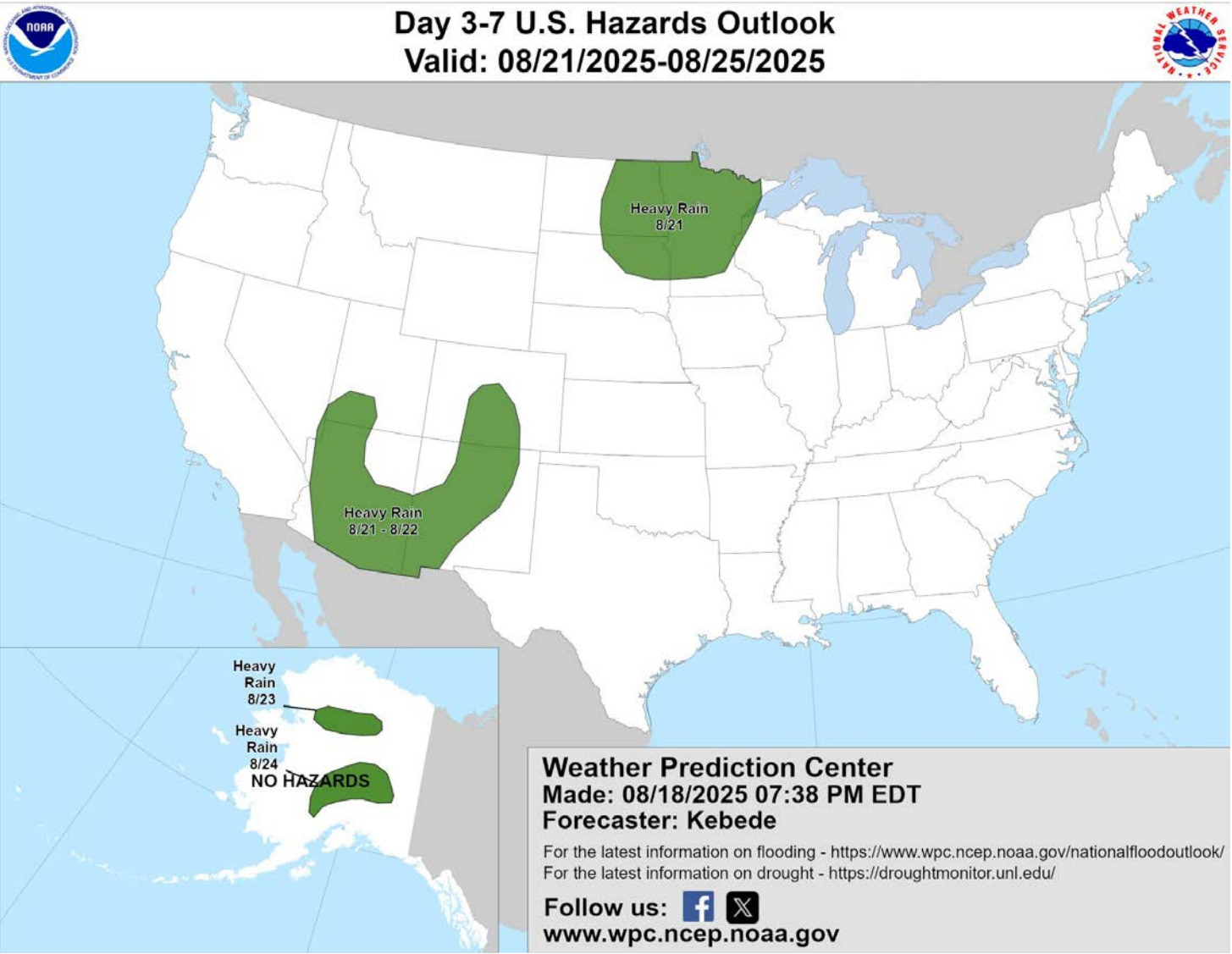
Weather Forecast Office Utah Day 1-7 Outlook



Agency - National Weather Service Weather Forecast Office

Presenter - Hayden Mahan

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



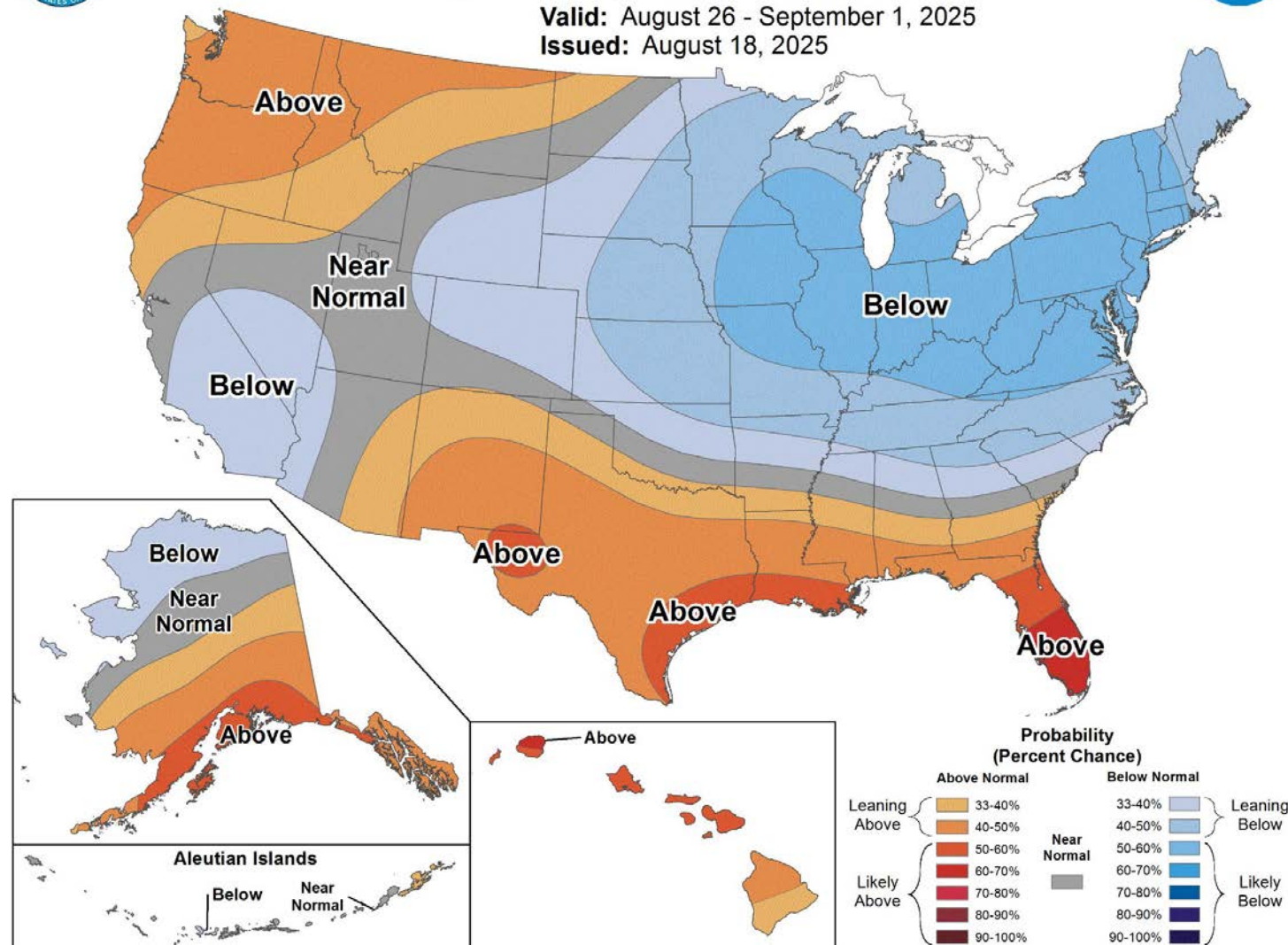
Climate Prediction Center 8 to 14 Day Outlooks - Temperature



8-14 Day Temperature Outlook

Valid: August 26 - September 1, 2025

Issued: August 18, 2025



Agency - National Weather Service Weather Forecast Office

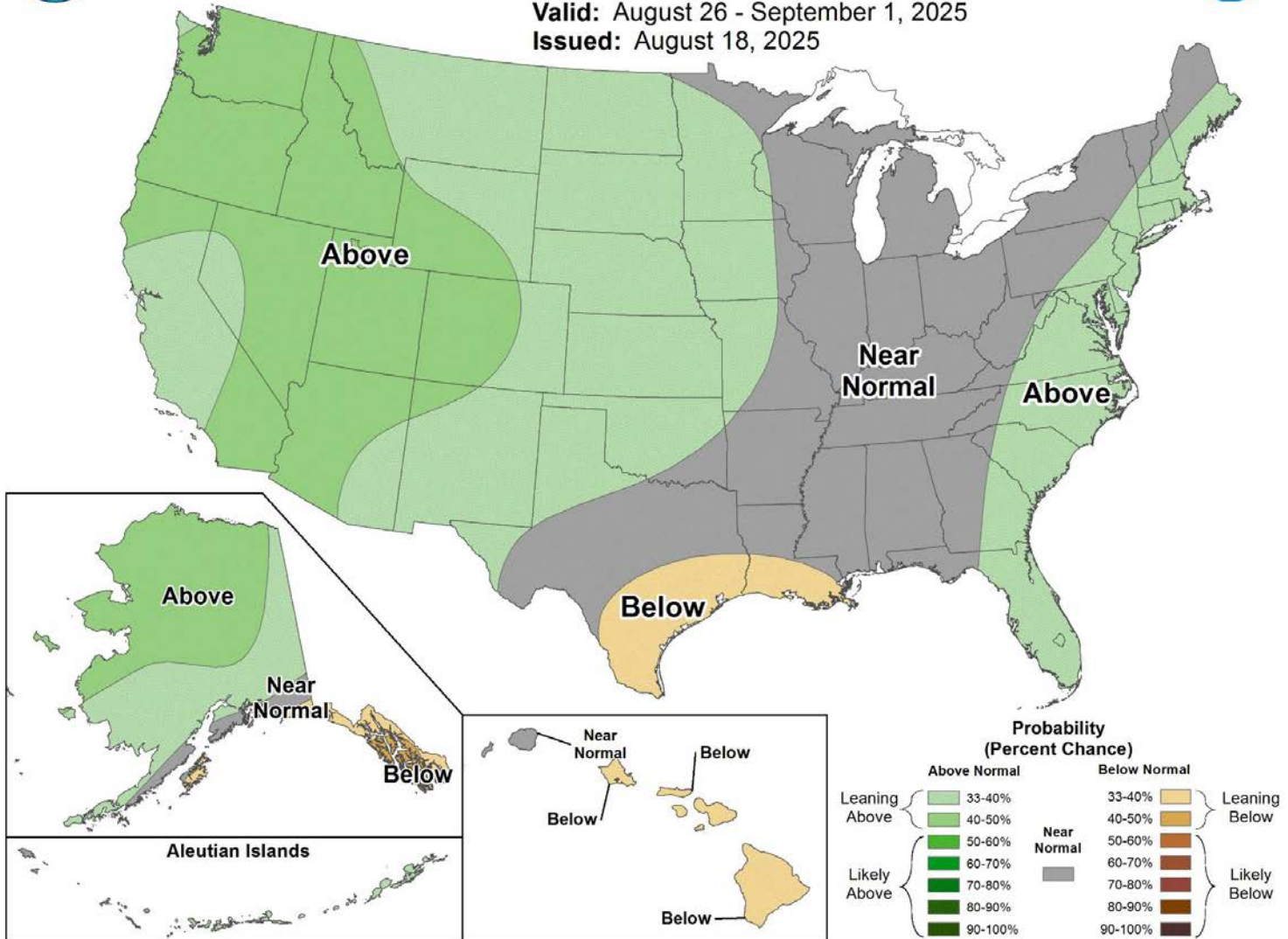
Presenter - Hayden Mahan

Climate Prediction Center 8 to 14 Day Outlooks - Precipitation

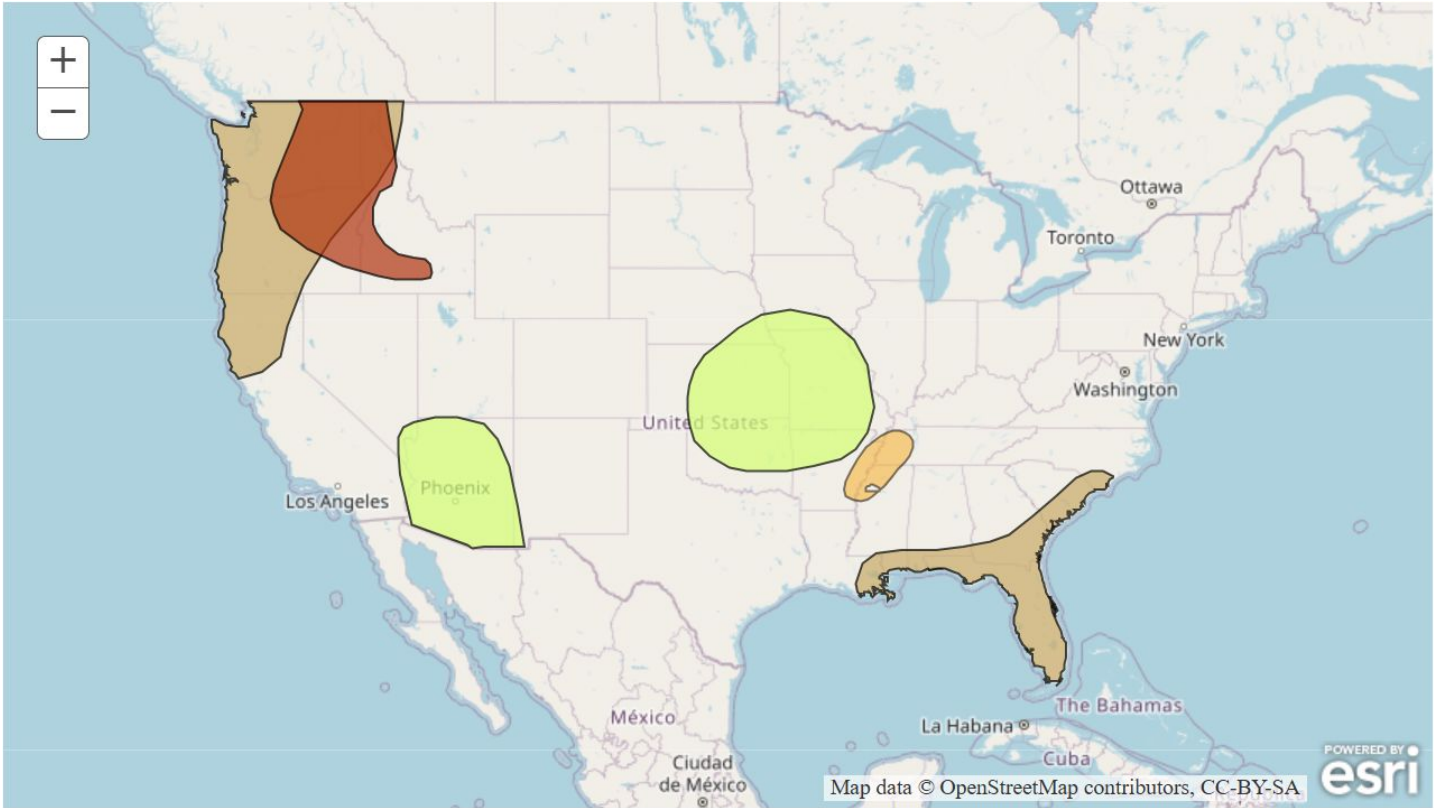
8-14 Day Precipitation Outlook



Valid: August 26 - September 1, 2025
Issued: August 18, 2025



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



Extreme Heat	Much Above Normal Temperatures	Heavy Precipitation	Composite
High Risk	High Risk	High Risk	Flooding Possible
Moderate Risk	Moderate Risk	Moderate Risk	Rapid Onset Drought
Slight Risk	Slight Risk	Slight Risk	
Much Below Normal Temperatures	High Winds	Heavy Snow	
High Risk	Moderate Risk	High Risk	
Moderate Risk	Slight Risk	Moderate Risk	
Slight Risk		Slight Risk	

Agency - National Weather Service Weather Forecast Office

Presenter - Hayden Mahan

Water Supply Forecasts / Runoff (Percent of Average)

Map of seasonal water supply forecasts

Summary of conditions at:

Weber

Bear

Six Creeks

Utah Lake

Sevier

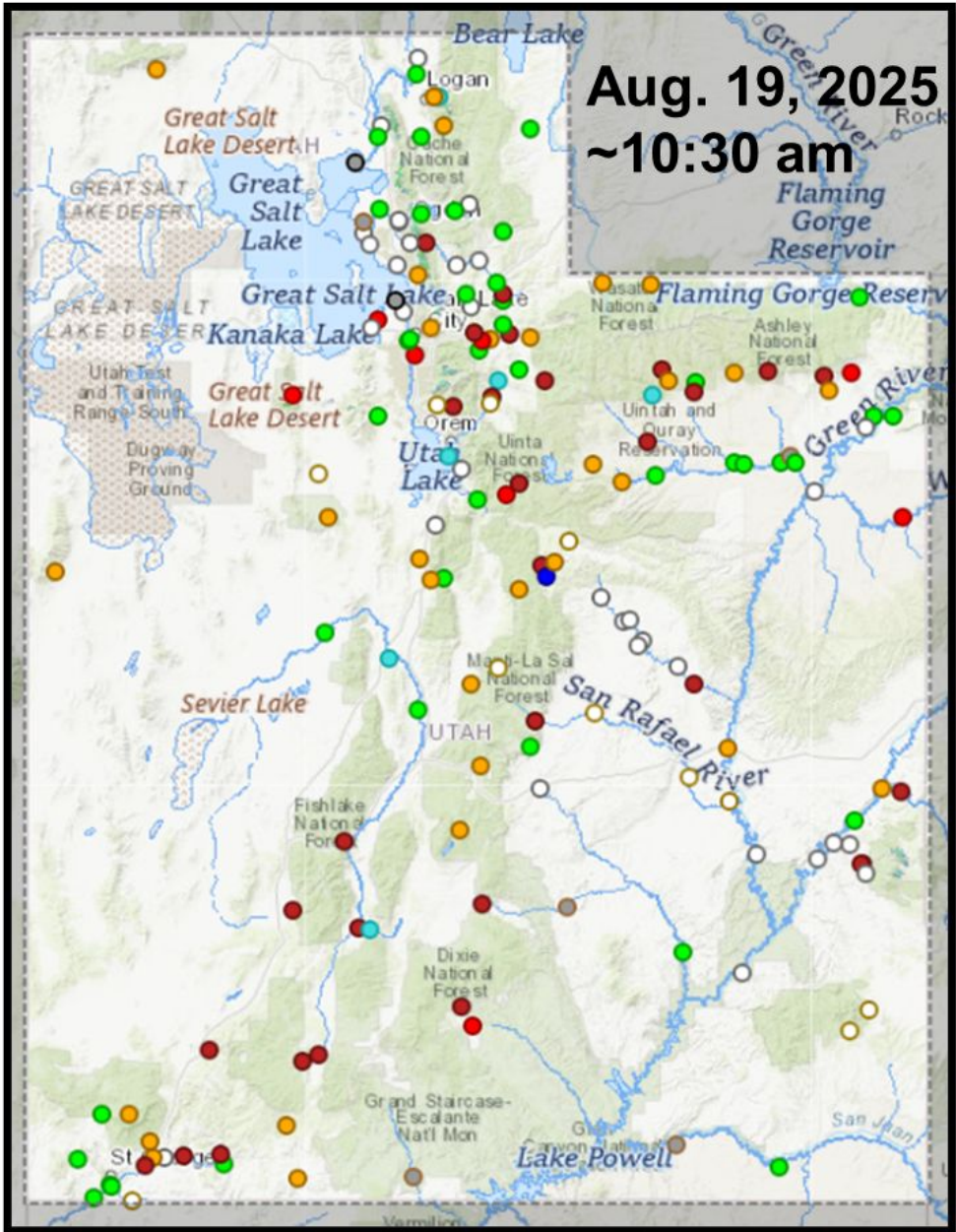
Green River

San Juan

Lake Powell

Current Streamflow Conditions

National Water Dashboard



Day-of-Year Status	Aug. 5	Aug. 19
All-time high for this day-of-year	0.0%	0.0%
Much above normal for this day-of-year	0.6%	0.6%
Above normal for this day-of-year	4.8% █	4.2% █
Normal for this day-of-year	18.7% █	24.0% █
Below normal for this day-of-year	18.7% █	18.6% █
Much below normal for this day-of-year	19.9% █	18.0% █
All-time low for this day-of-year	6.6% █	4.8% █
Not ranked - insufficient record	22.3% █	22.2% █
Not ranked - no measurement	2.4%	1.2%
Not ranked - stream not flowing	5.4% █	5.4% █
Not ranked - no recent measurement	0.6%	1.2%

Percentage of gages

Site must have 20 years of record to be ranked

Streamflow: Status

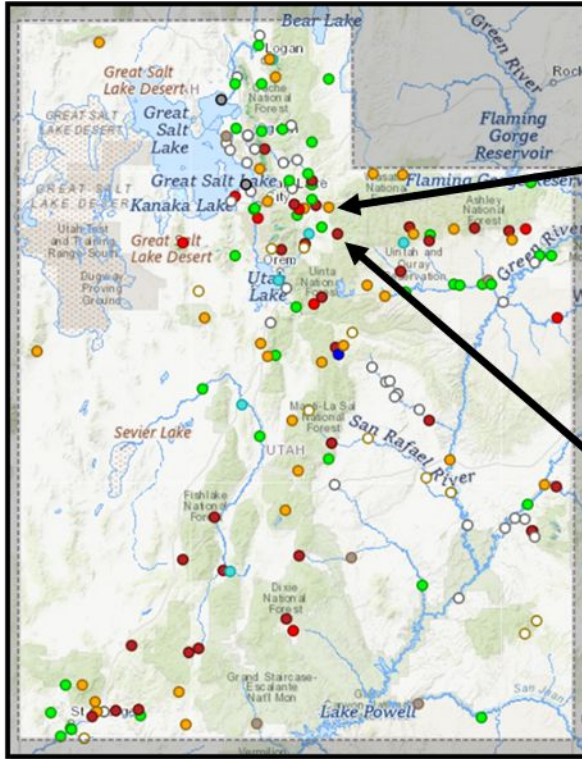
- Above flood stage
- All-time high for this day
- Much above normal
- Above normal
- Normal
- Below normal
- Much below normal
- All-time low for this day
- Not flowing
- Not ranked
- Measurement flag
- Recent measurement unavailable

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

Provisional data, subject to revision

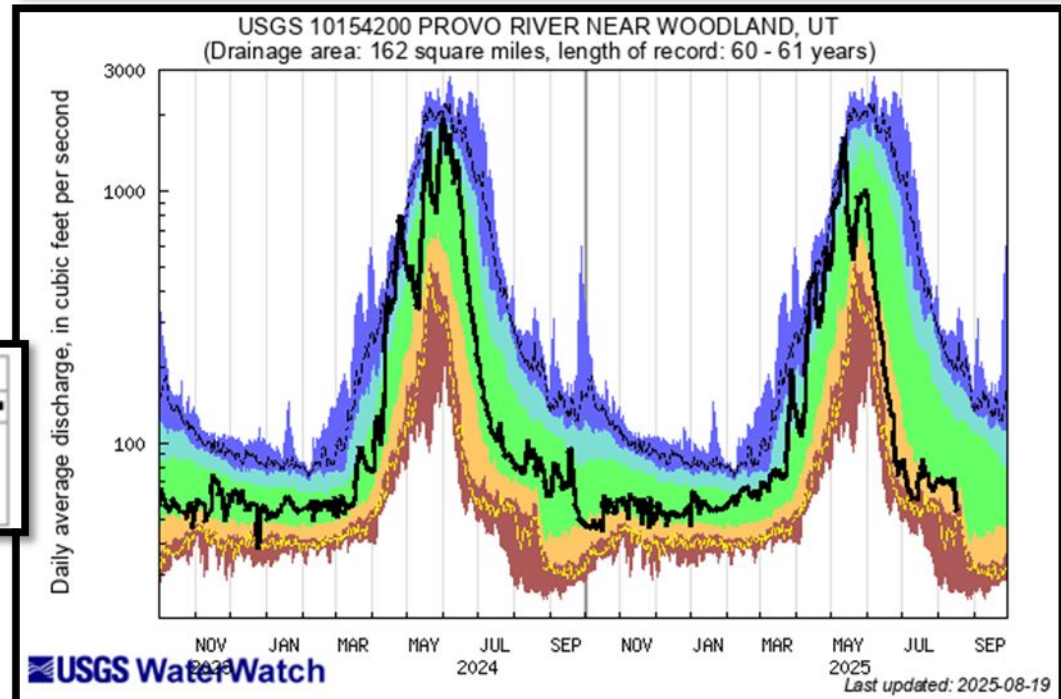
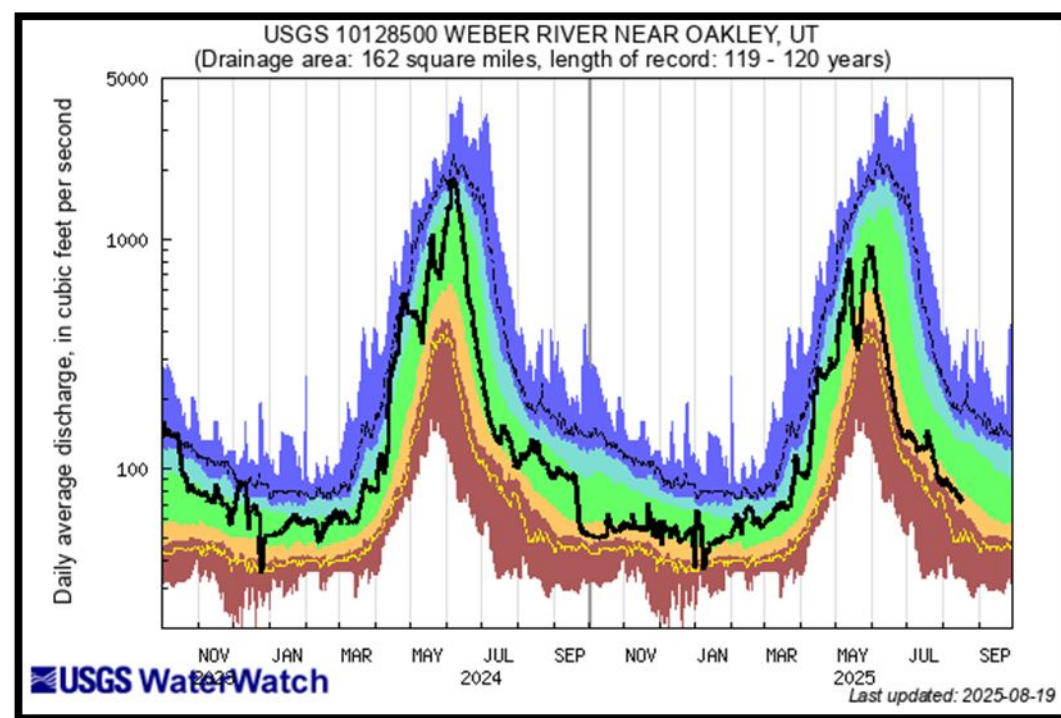


Streamflow at Selected Gages

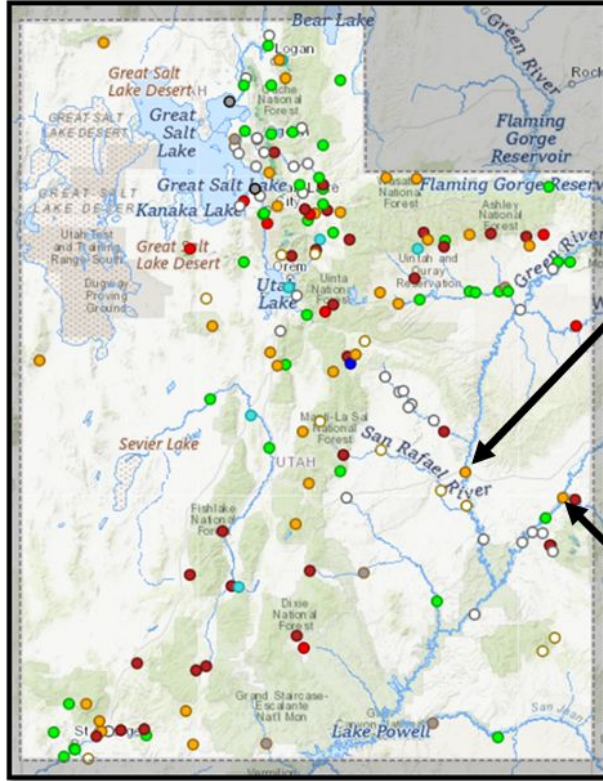


Explanation - Percentile classes							Flow
lowest-10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	
Much below Normal	Below normal	Normal	Above normal	Much above normal			

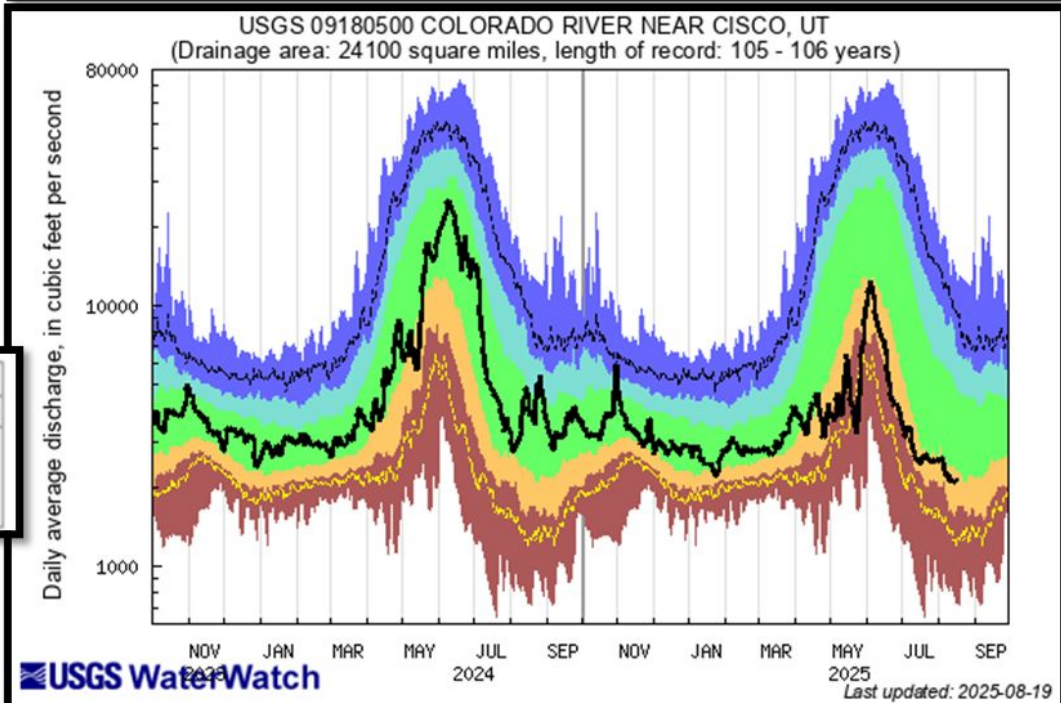
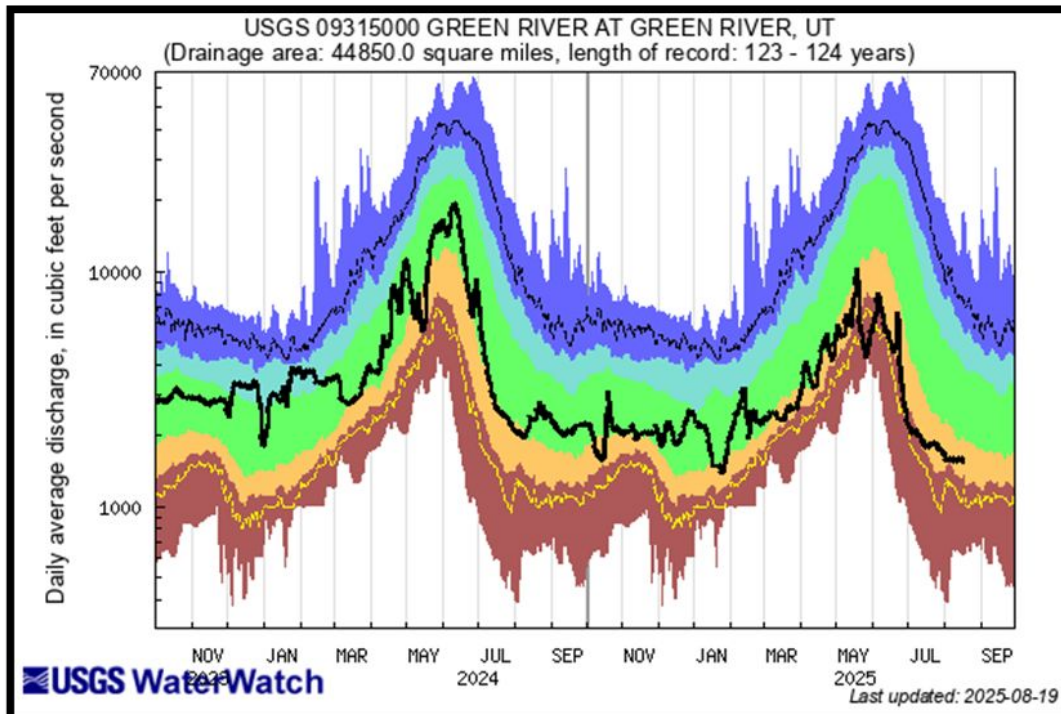
Provisional data,
subject to revision



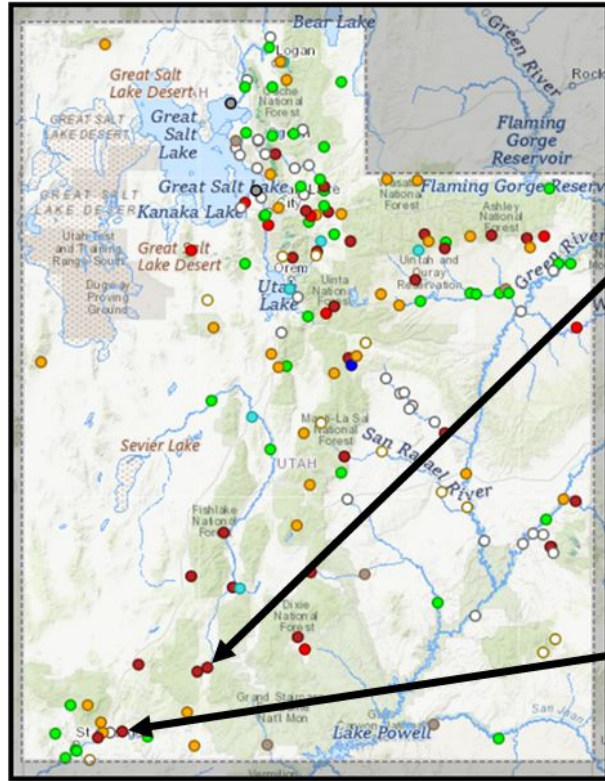
Streamflow at Selected Gages



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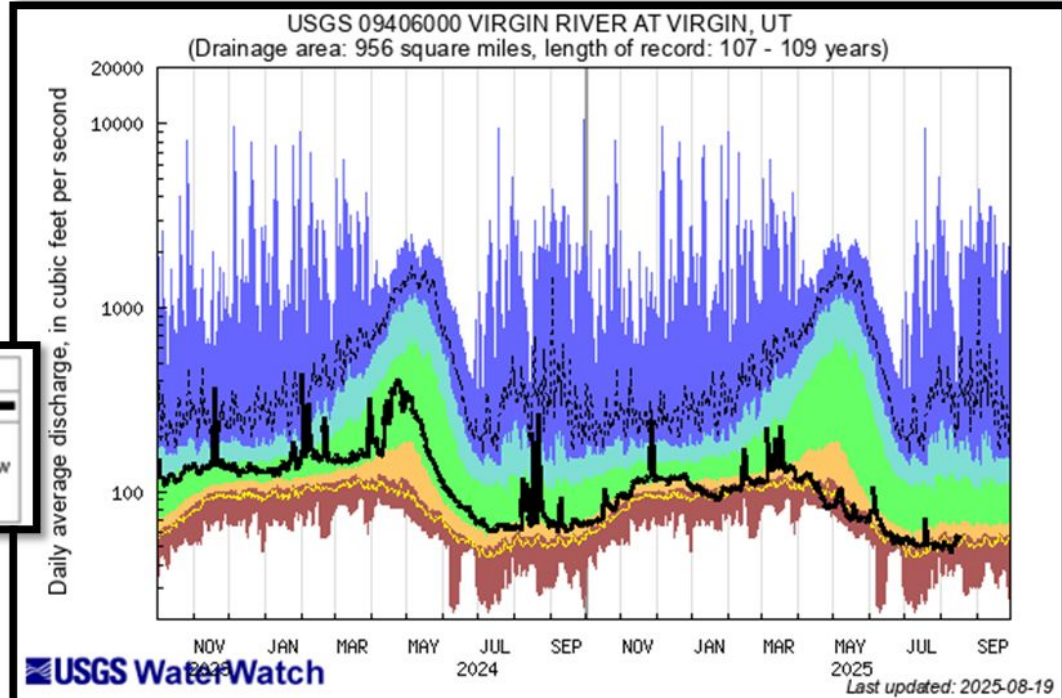
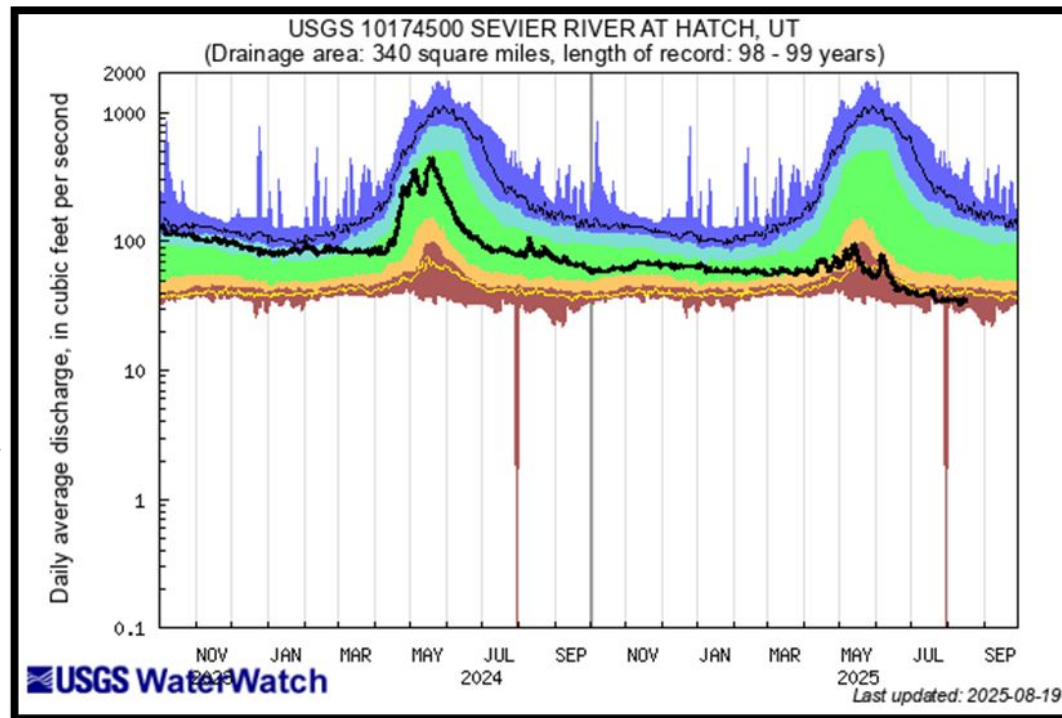


Streamflow at Selected Gages

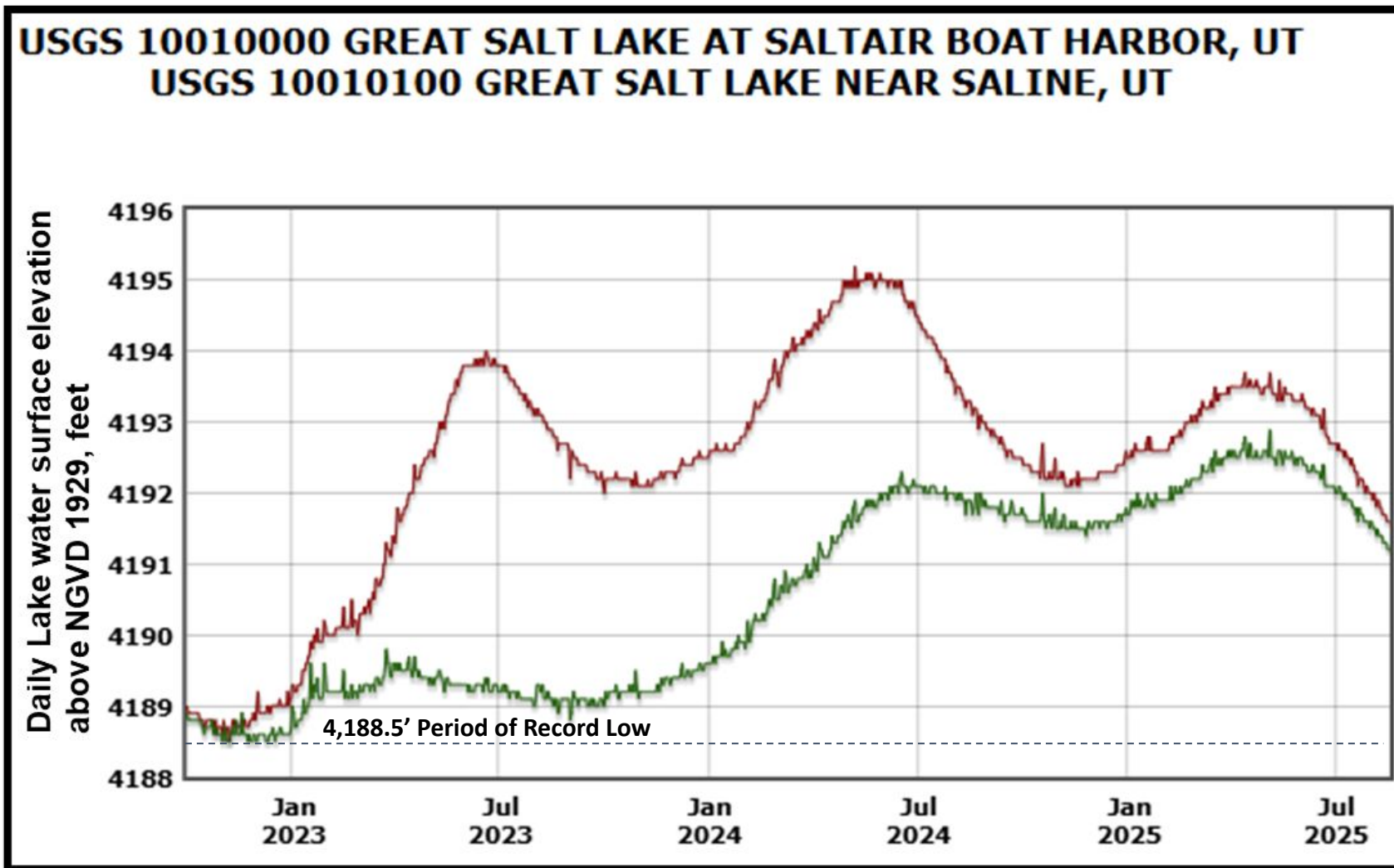


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Much below Normal		Below normal	Normal	Above normal	Much above normal		

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 8/18/2025

- ❑ South Arm:
4,191.6'
- ❑ Down 2.1'
since
seasonal
high in Apr.
and May
2025
- ❑ North Arm:
4,191.2'
- ❑ Down 1.7'
since
seasonal
high in May
2025





WATER TALKS

SHAPING THE STATE WATER PLAN

Be the voice of Utah Lake Basin

Utah is updating its state water plan — a roadmap for how we manage, use and protect water across the state. And we want to hear from you. Water Talks are open, community gatherings where your voice helps shape the future of water in your region and beyond.

Come talk water with us

-  Learn about the plan and why it matters
-  Tell us your community's water priorities
-  Share local knowledge and ideas
-  Guide decisions for a resilient water future

Sept. 8, 2025, 6 p.m.
Spanish Fork Library
Heritage Rm
80 S Main St
Spanish Fork, UT 84660



StateWaterPlan.utah.gov

Basin	Date and Time	Location	Virtual Option?
Southeastern Utah	Thursday, Aug. 28 6 p.m.	Hideout Community Center 648 S Hideout Way Monticello, UT 84535	Virtual link to come
Utah Lake	Monday, Sept. 8 6 p.m.	Spanish Fork Library, Heritage Room 80 S Main St. Spanish Fork, UT 84660	No virtual option
Bear River	Monday, Sept. 22 6 p.m.	Logan Library, Community Room A 285 N Main St. Logan, Utah 84321	No virtual option
Jordan River	Wednesday, Sept. 24 5:30 p.m.	Marmalade Library, Multi-purpose Room 280 W 500 North Salt Lake City, UT 84103	No virtual option
West Colorado	Wednesday Oct. 22 6 p.m.	Administration Building "Old Courthouse" 75 E Main St. Castle Dale, Utah, 84513	Virtual link to come
Uintah	Thursday, Oct. 23 5:30 p.m.	Uintah Conference Center, Paradise Banquet Hall 313 E 200 South Vernal, UT 84078	Virtual link to come
Weber	TBD	TBD	TBD
Cedar/Beaver	TBD	TBD	TBD
Kanab/Virgin	TBD	TBD	TBD
West Desert	TBD	TBD	TBD
Sevier	TBD	TBD	TBD

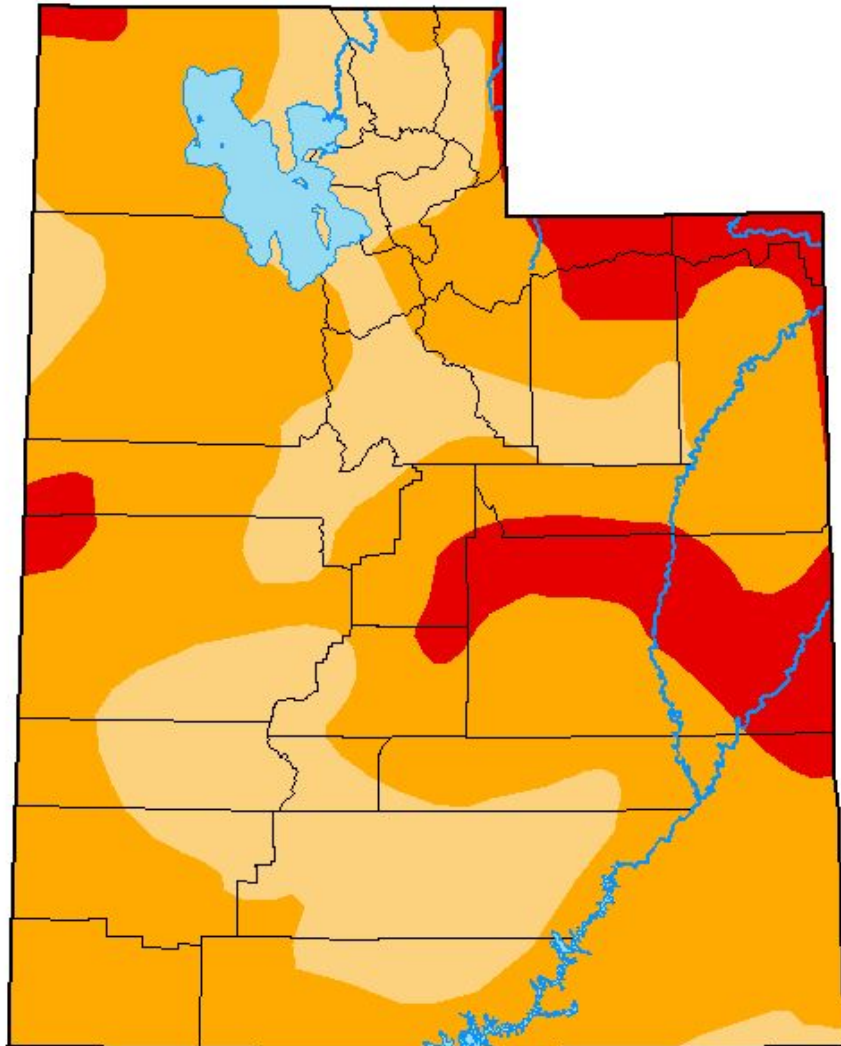
U.S. Drought Monitor

Utah

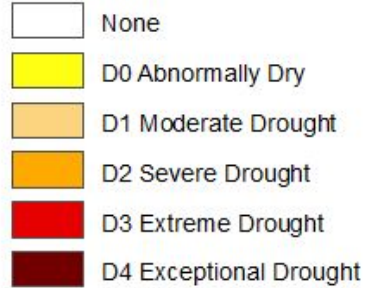
August 12, 2025

(Released Thursday, Aug. 14, 2025)

Valid 8 a.m. EDT



Intensity:



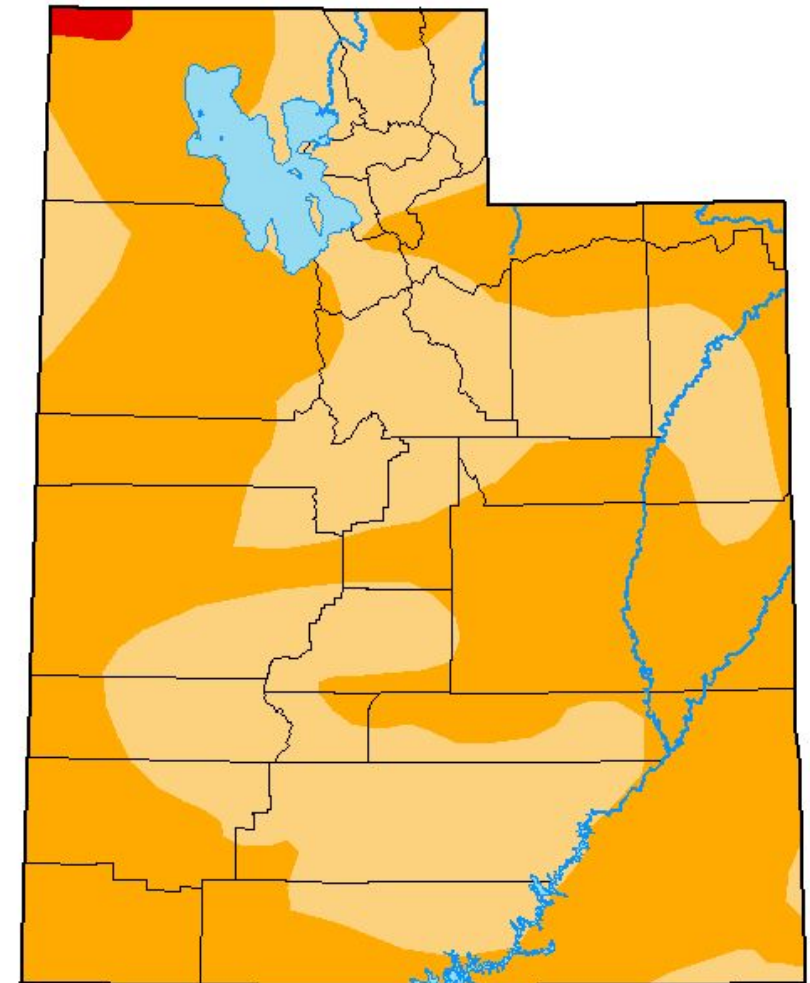
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

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