

# Utah Water Conditions (drought webinar)

### The meeting will begin shortly









Thank you to our contributors





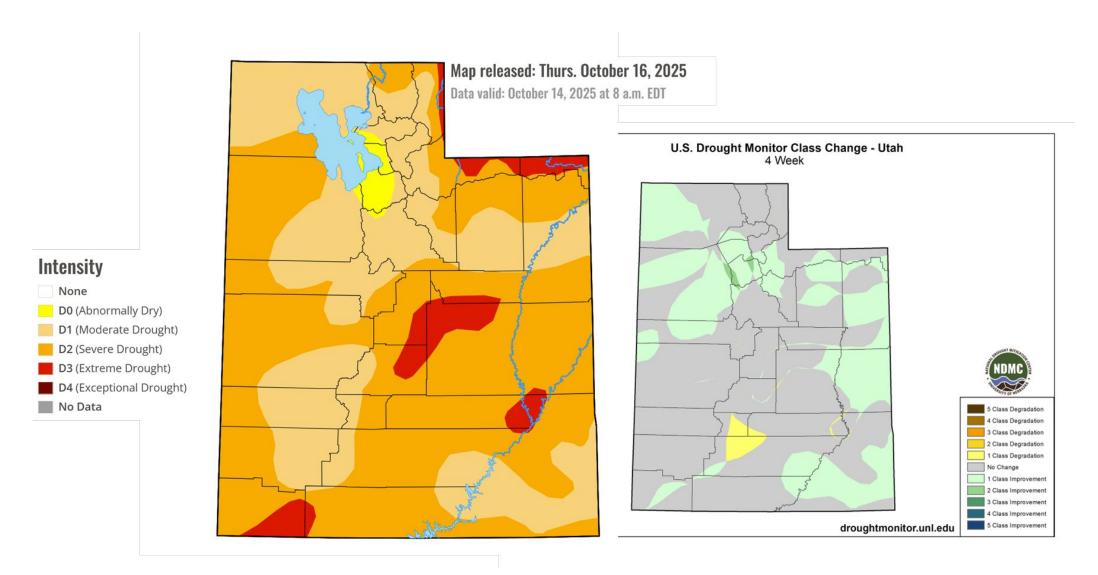




# Utah Water Conditions Update

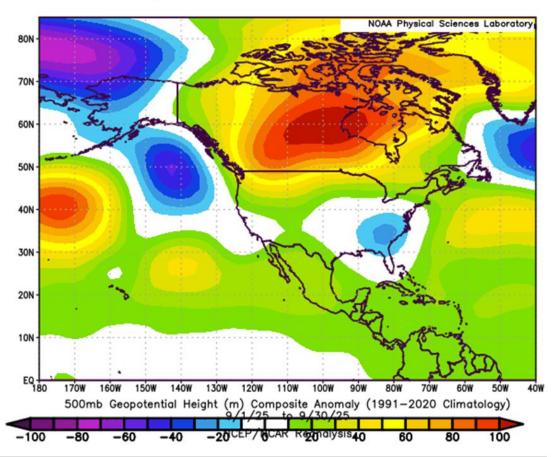
10-21-2025

#### Current Drought Condition and 4-Week Class Change

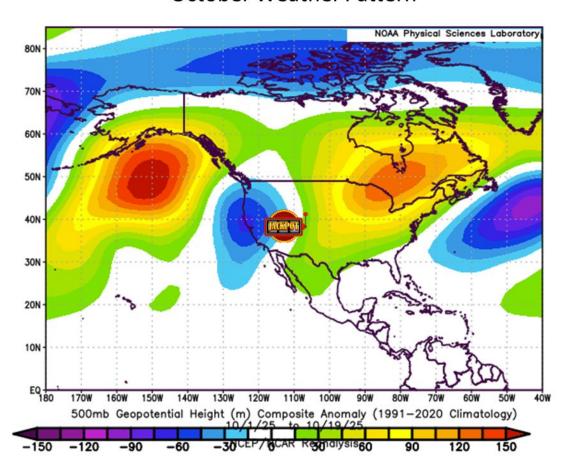


#### Monthly Weather Pattern Comparison

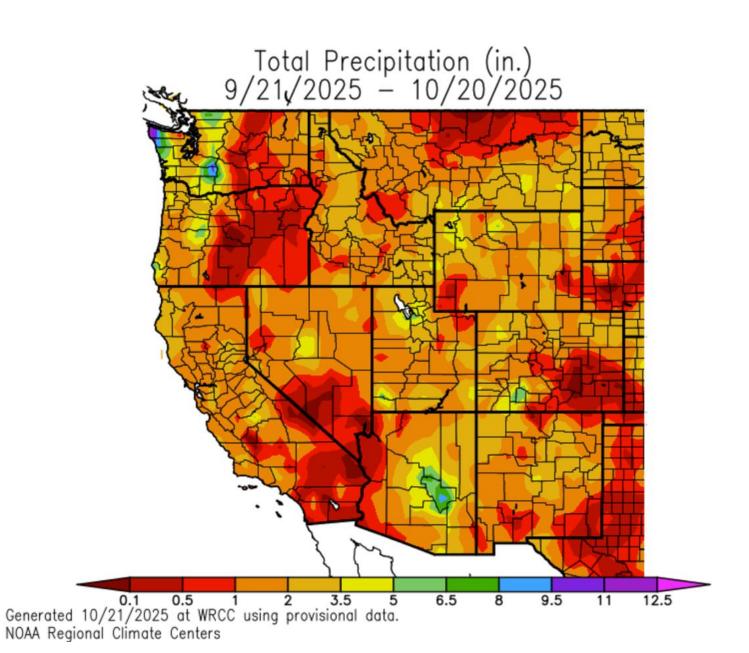
#### September Weather Pattern



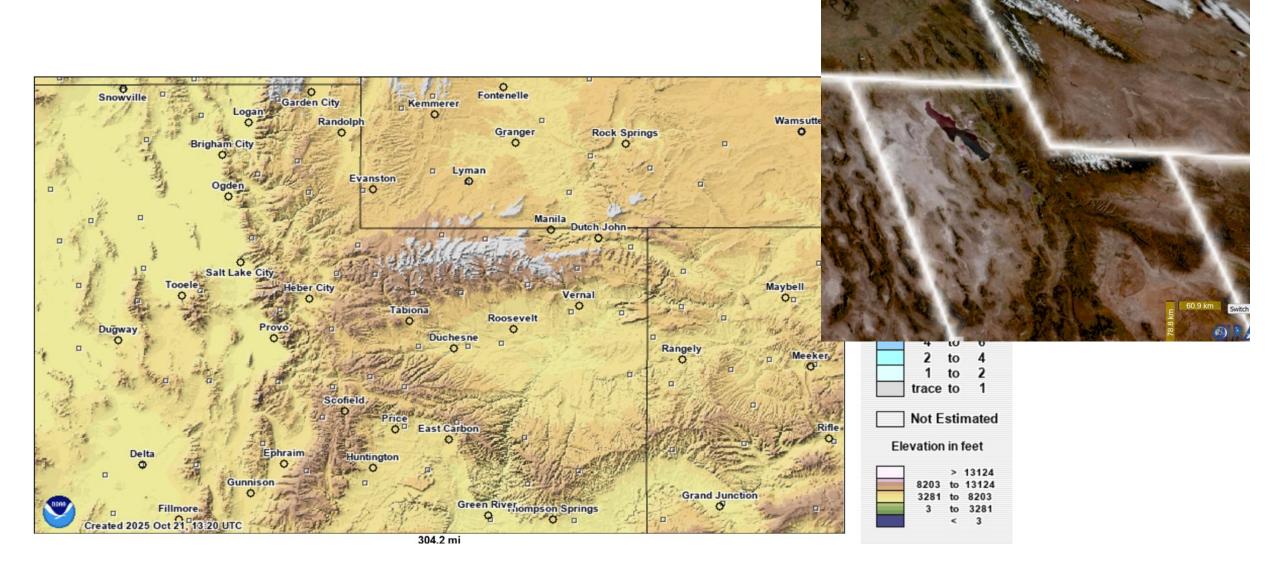
#### October Weather Pattern



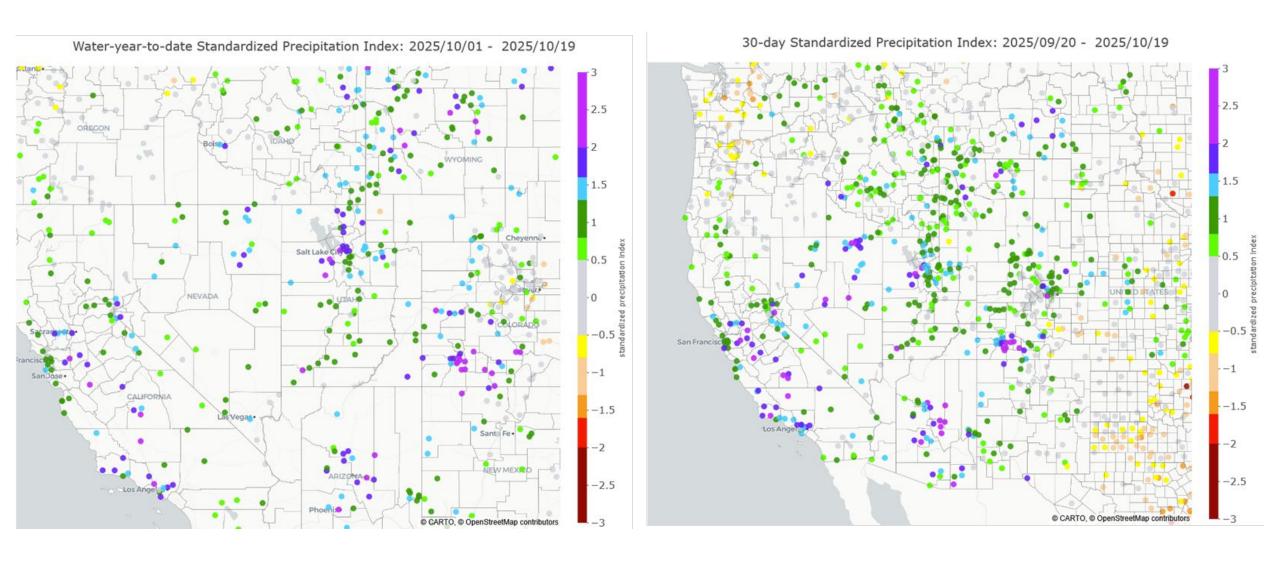
#### The October Weather Pattern Delivers!



Modeled Snow Water Equivalent: 2025 October 21

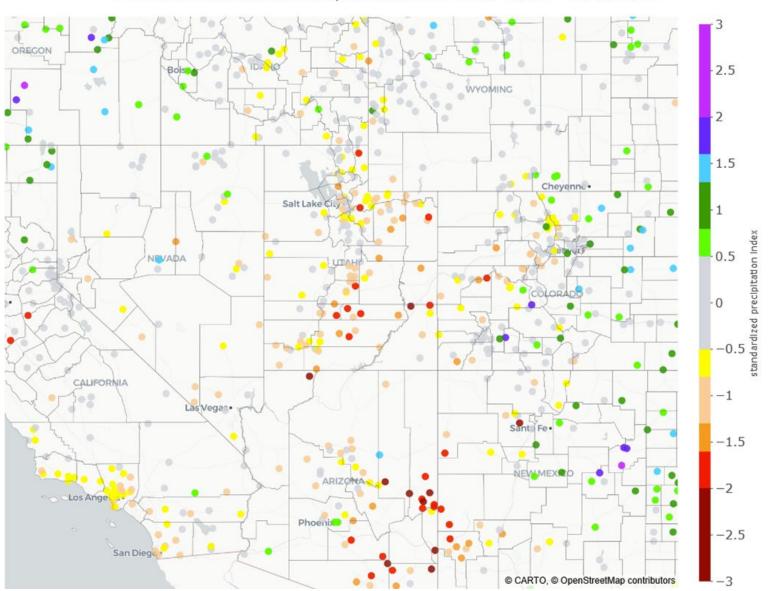


#### Standardized Precipitation Index (SPI)

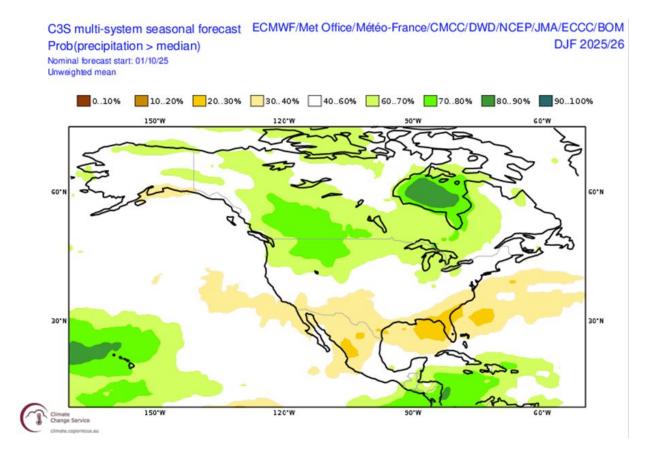


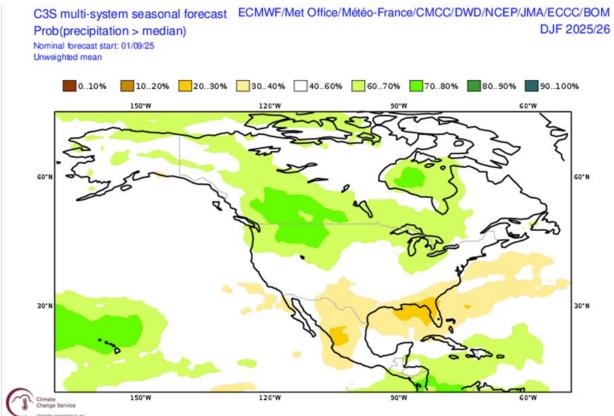
#### 12-Month SPI

12-month Standardized Precipitation Index: 2024/10/20 - 2025/10/19

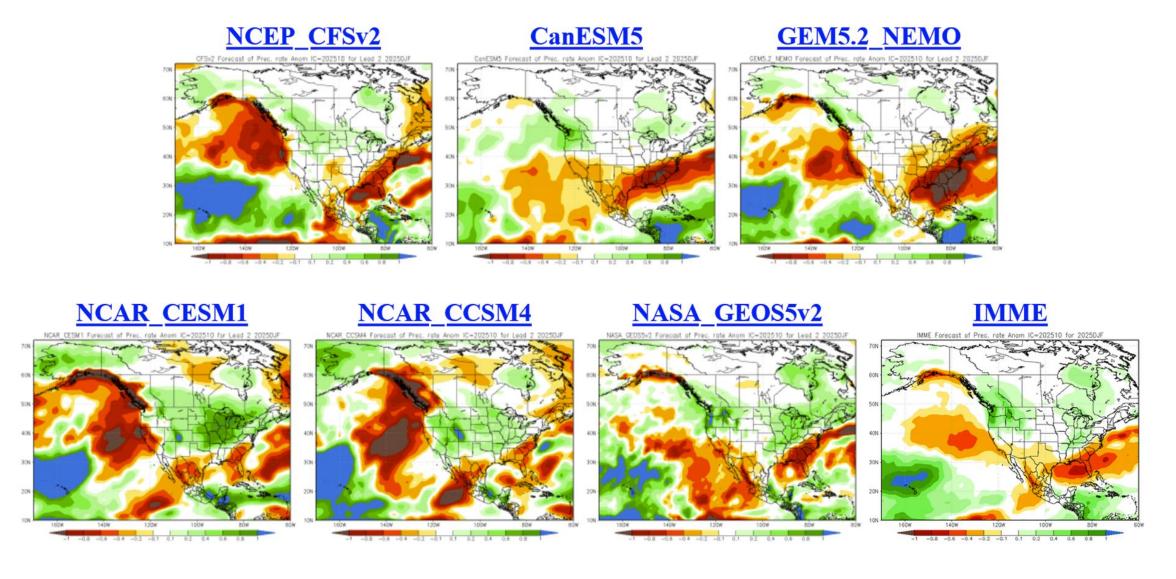


#### Dec-Feb Seasonal Predictions: Living on the Edge



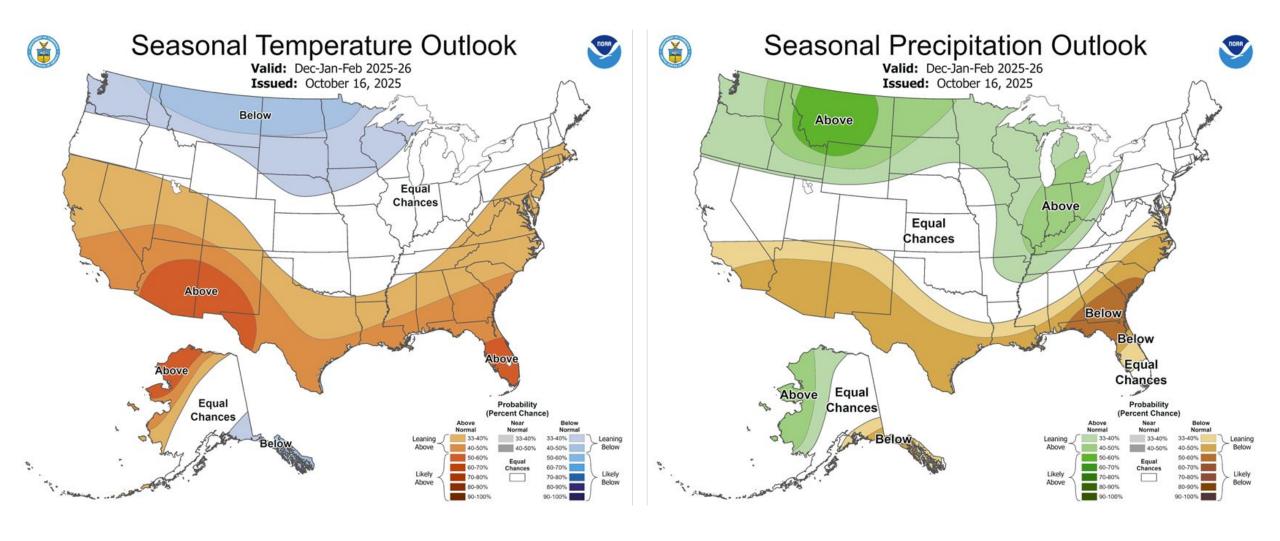


#### **Dec-Feb Seasonal Prediction**

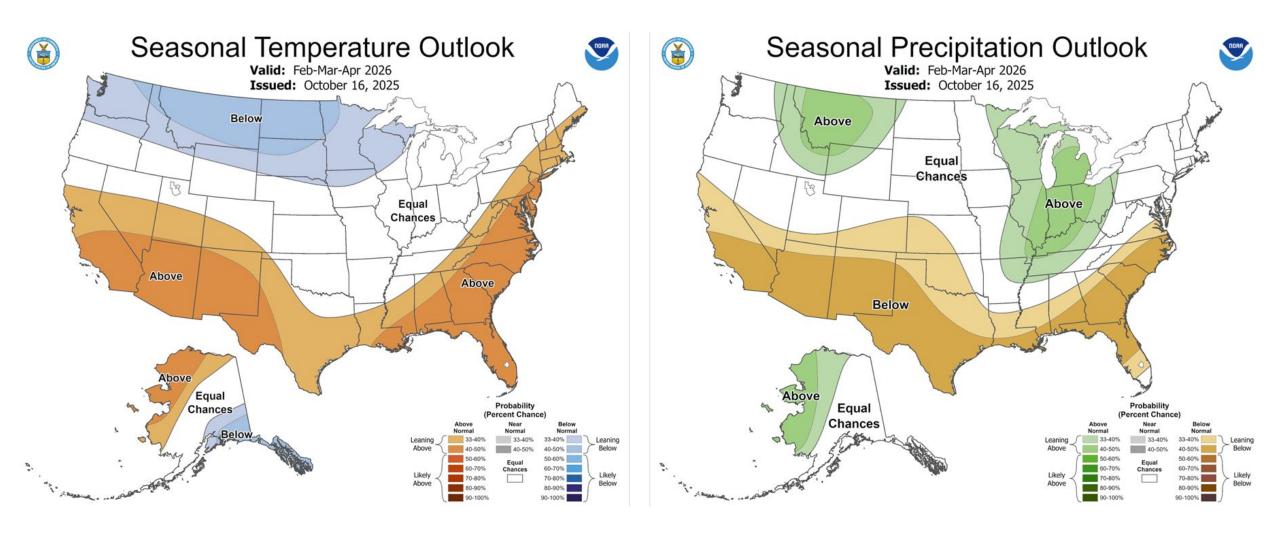


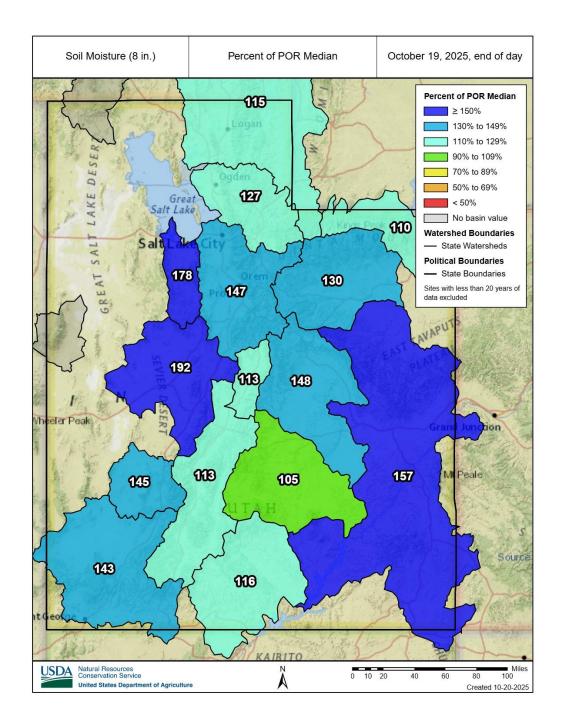
Agency - Utah Climate Center Presenter - Jon Meyer

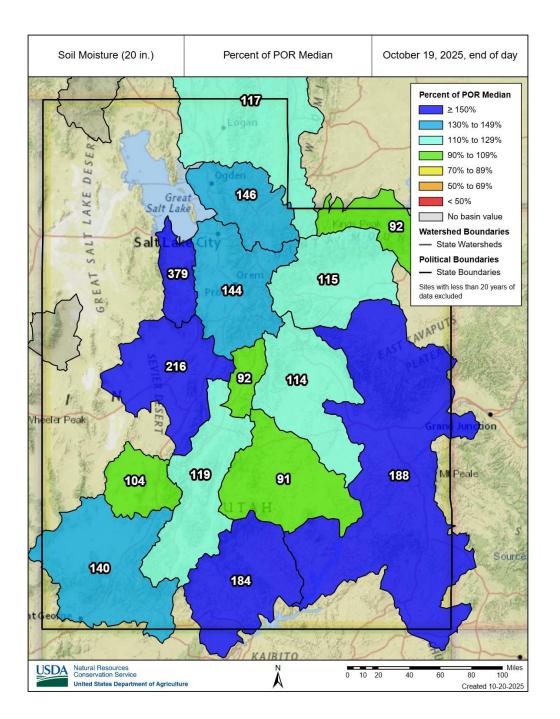
#### CPC Dec-Feb Outlook

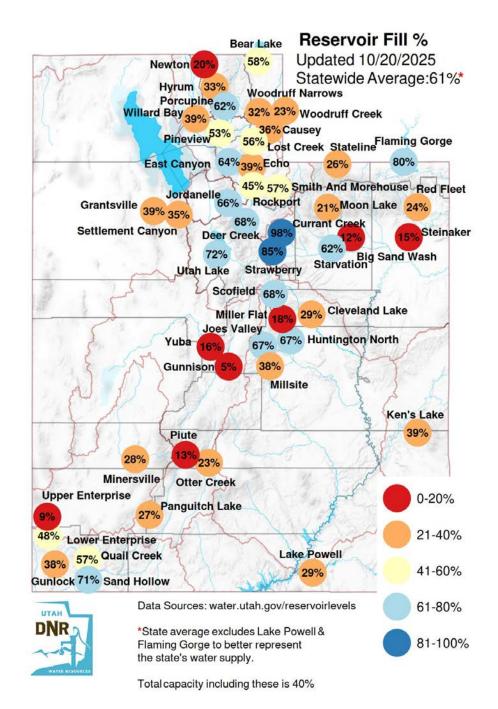


#### CPC Feb-Apr Outlook









#### Reservoir Levels

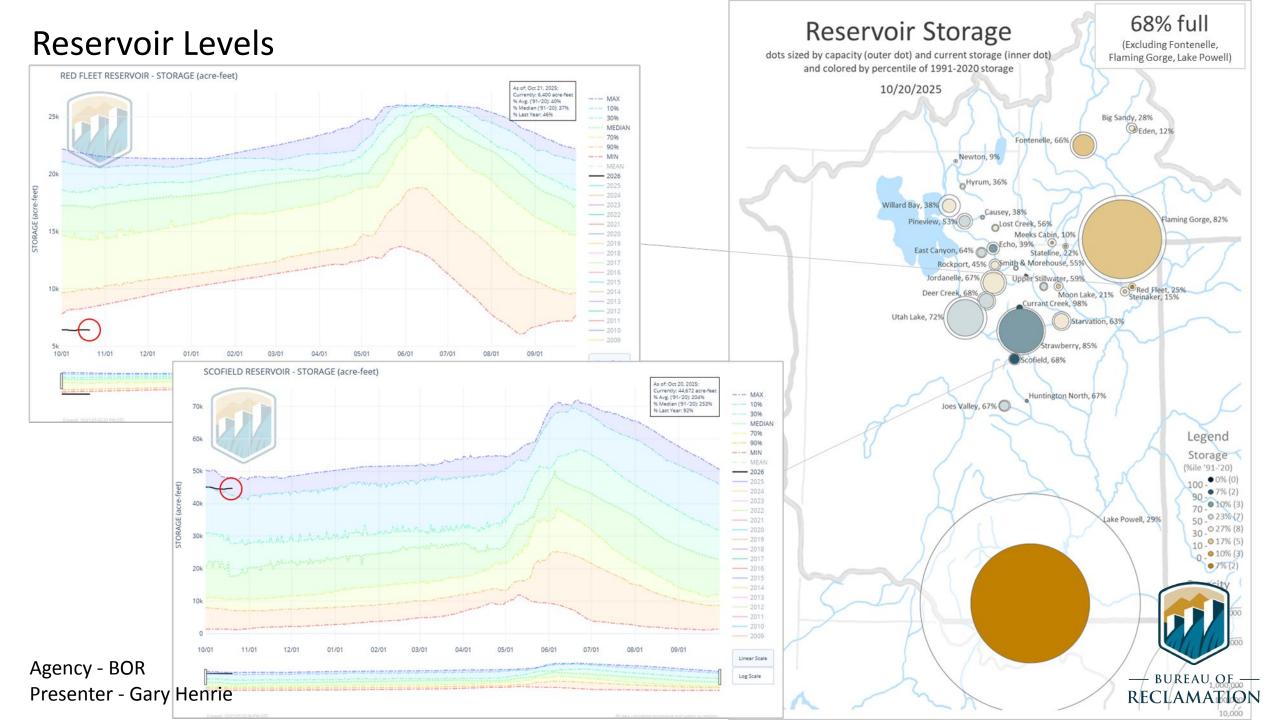
- Overall reservoir storage is at 68% full (Excluding Powell, Flaming Gorge, Fontenelle)
  - ~0.6% lower than last month (68%)
  - ~12% lower than last year (~80%)
  - ~2% higher than the 22-year average (~66%)

- Reservoirs range from 9-85% full
  - 12/30 are above the 30-year median
  - centered ~30-50<sup>th</sup> percentile

- Outlook
  - · storage transitioning to slowly increasing
  - looking forward to the winter snowpack

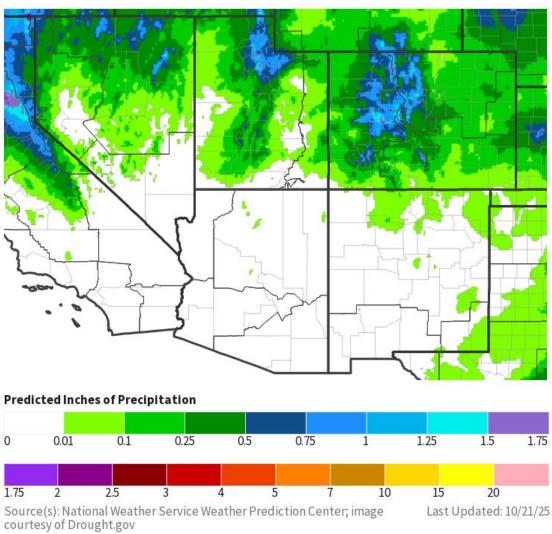
68% full Reservoir Storage (Excluding Fontenelle, dots sized by capacity (outer dot) and current storage (inner dot) Flaming Gorge, Lake Powell) and colored by percentile of 1991-2020 storage 10/20/2025 System Storage Big Sandy, 28% ©Eden, 12% Fontenelle, 66%/ Newton, 9% Gorge, 82% System Total Willard Bay, 38% Flaming Gorge, 82% Pineview, 53%( Lost Creek, 56% Meeks Cabin, 10% Legend Storage Deer Creek, 68% Moon Lake, 21% Currant Creek, 98% Utah Lake, 729 Starvation, 63% Scofield, 68% Huntington North, 67% Joes Valley, 67% Basin Storage Legend Storage (%ile '91-'20) Bear Total, Upper Green Total, Weber Total, 10% (3) 50-023%(7) Lake Powell, 29% 30 - 27% (8) Provo Total, **Duchesne Total** 10 - 17% (5) 0 - 10% (3) Price/San Rafael Legend Storage Capacity (acre-feet) 20,000,000 Capacity BUREAU OF — RECLAMATION

Agency - BOR Presenter - Gary Henrie



#### Weather Forecast Office Utah Day 1-7 Outlook

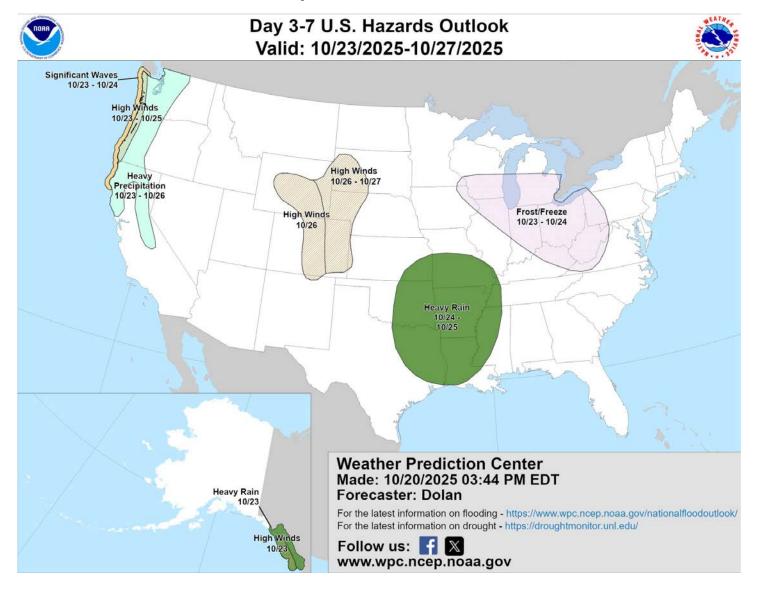
7-Day Quantitative Precipitation Forecast for October 21, 2025-October 28, 2025







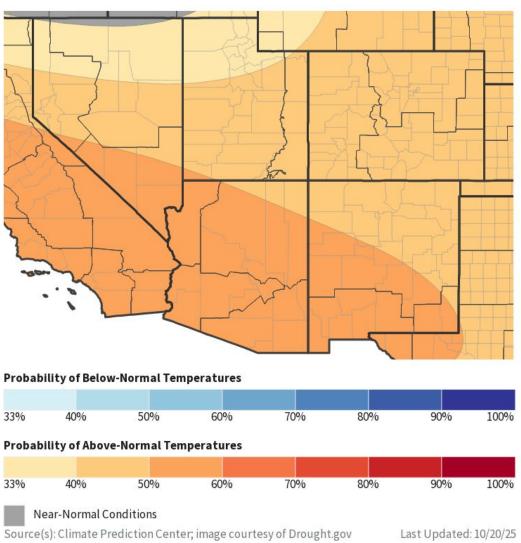
#### Weather Prediction Center U.S. Day 3-7 Hazards Outlook





#### Climate Prediction Center 8 to 14 Day Outlooks - Temperature

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

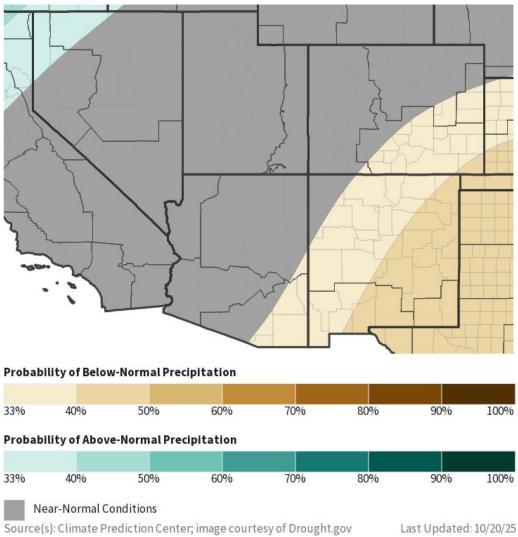




Agency - National Weather Service Weather Forecast Office Presenter - Jon Wilson

#### Climate Prediction Center 8 to 14 Day Outlooks - Precipitation

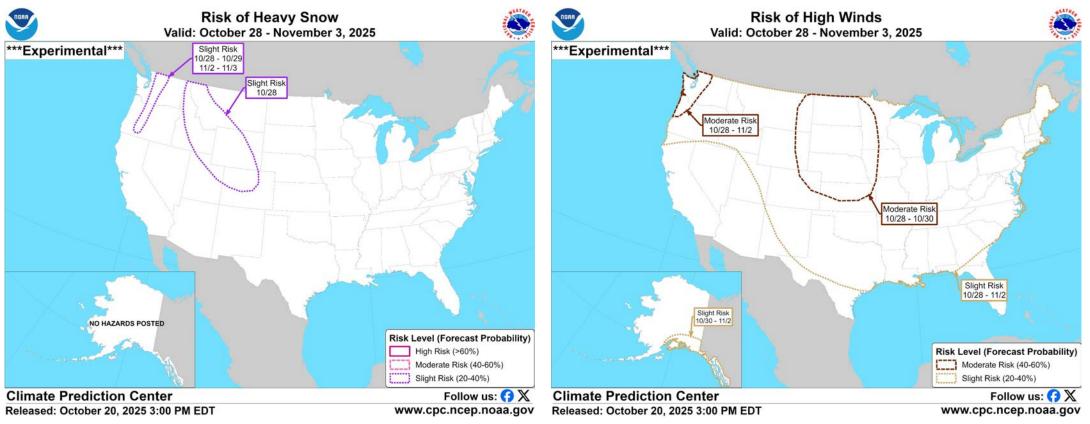
8-14 Day Precipitation Outlook for October 28, 2025-November 3, 2025





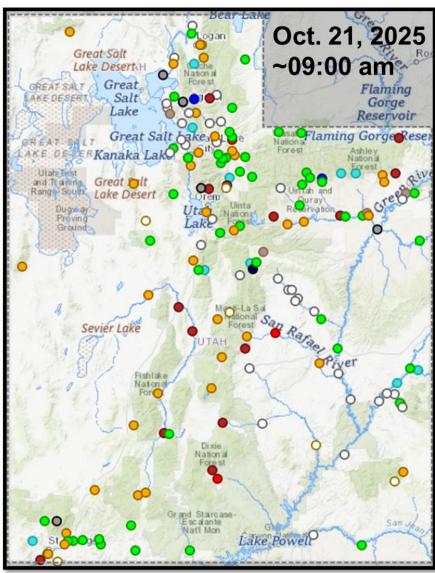
#### Climate Prediction Center U.S. Week-2 Hazards Outlook





Agency - National Weather Service Weather Forecast Office Presenter - Jon Wilson

#### **Current Streamflow** Conditions



Agency - USGS Utah WSC Presenter - Ryan Rowland

Day-of-Year Status	Oct. 7	Oct. 21
All-time high for this day-of-year	0.0%	0.6%
Much above normal for this day-of-year	1.2%	1.2%
Above normal for this day-of-year	4.2%	6.0%
Normal for this day-of-year	31.5%	30.4%
Below normal for this day-of-year	22.0%	21.4%
Much below normal for this day-of-year	10.7%	8.3%
All-time low for this day-of-year	1.8%	1.8%
Not ranked - insufficient record	22.6%	22.0%
Not ranked - no measurement	1.8%	1.8%
Not ranked - no recent measurement		3.0%
Not ranked - stream not flowing		3.6%

Streamflow: Status

Above flood stage

Above normal

Below normal

Not flowing

Not ranked

Measurement flag

All-time high for this 100th percentile

Much above normal >90<sup>th</sup> percentile

Much below normal <10<sup>th</sup> percentile

All-time low for this 0th percentile

Recent measurement unavailable

76<sup>th</sup> - 90<sup>th</sup> percentile 25<sup>th</sup> - 75<sup>th</sup> percentile 10<sup>th</sup> - 24<sup>th</sup> percentile

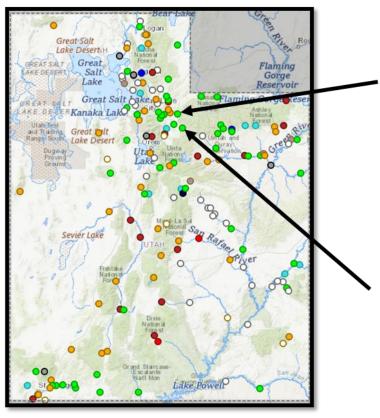
Percentage of gages in percentile class

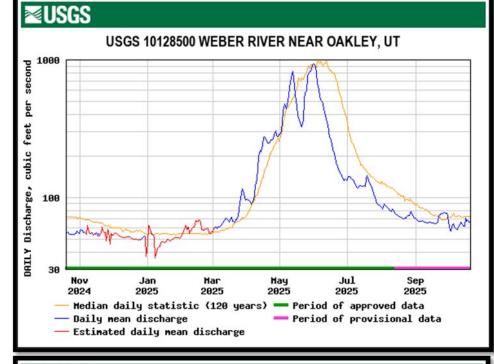
Provisional data, subject to revision

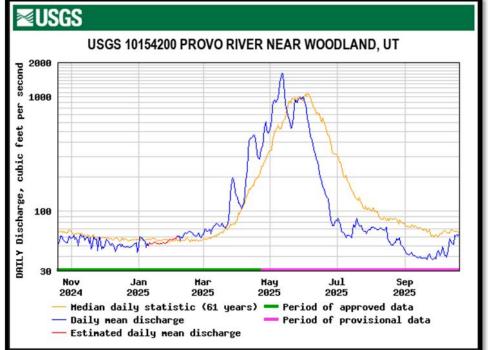
\*Sites must have at least 20 years of streamflow record to be

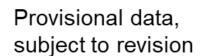
ranked.

# Streamflow at Selected Gages





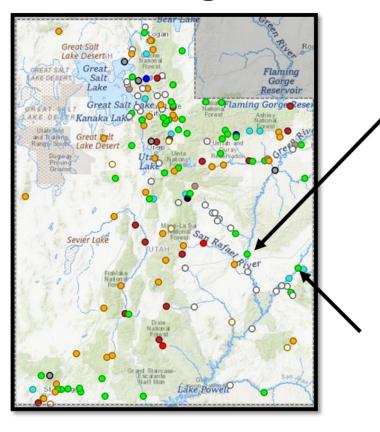




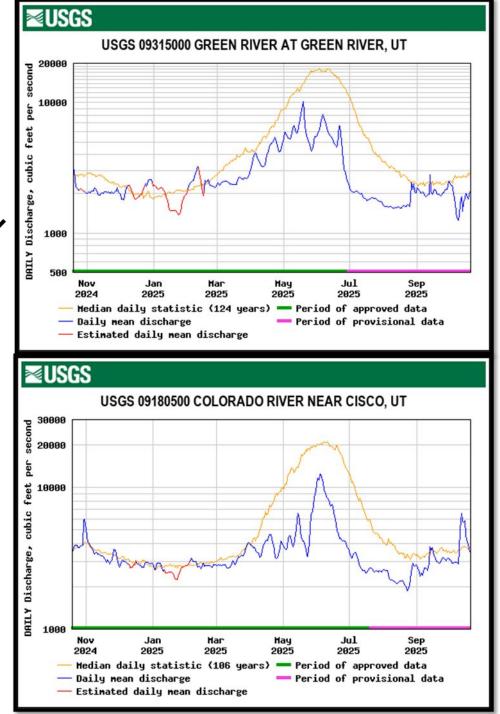




# Streamflow at Selected Gages

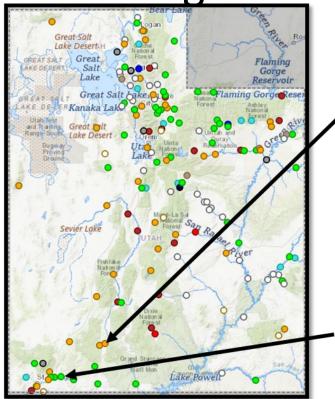


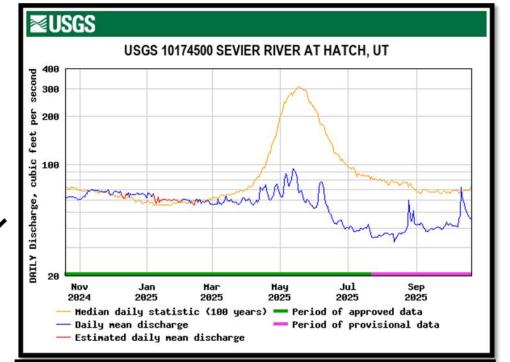
Provisional data, subject to revision

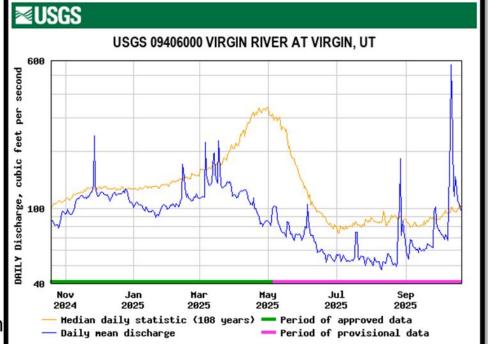




Streamflow at Selected Gages





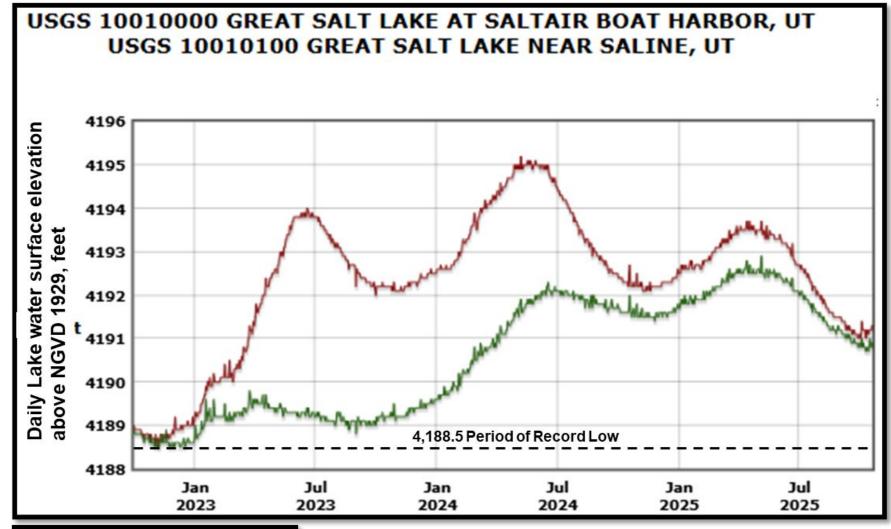


Provisional data, subject to revision





#### **Great Salt Lake Water Surface Elevations**



*Daily Values* 10/20/2025

South Arm: 4,191.3'

North Arm: 4,190.9'

Provisional data, subject to revision







# July 18, 2025

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



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



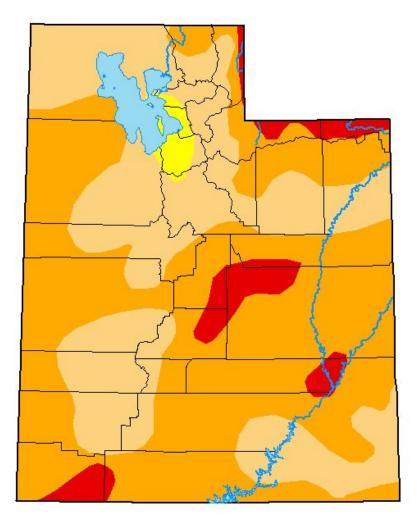
Agency - USGS Utah WSC Presenter - Ryan Rowland

#### 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

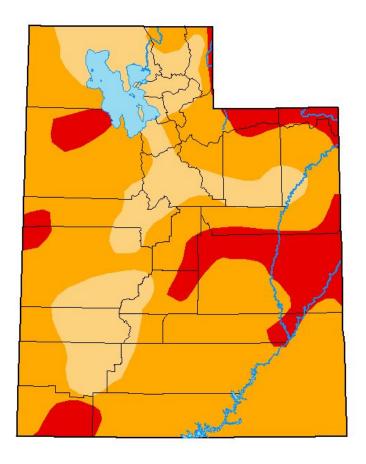








droughtmonitor.unl.edu



To report on conditions between meetings:

Submit a report on CMOR drought website Email <u>Lhaskell@utah.gov</u> email <u>drought@utah.gov</u>