

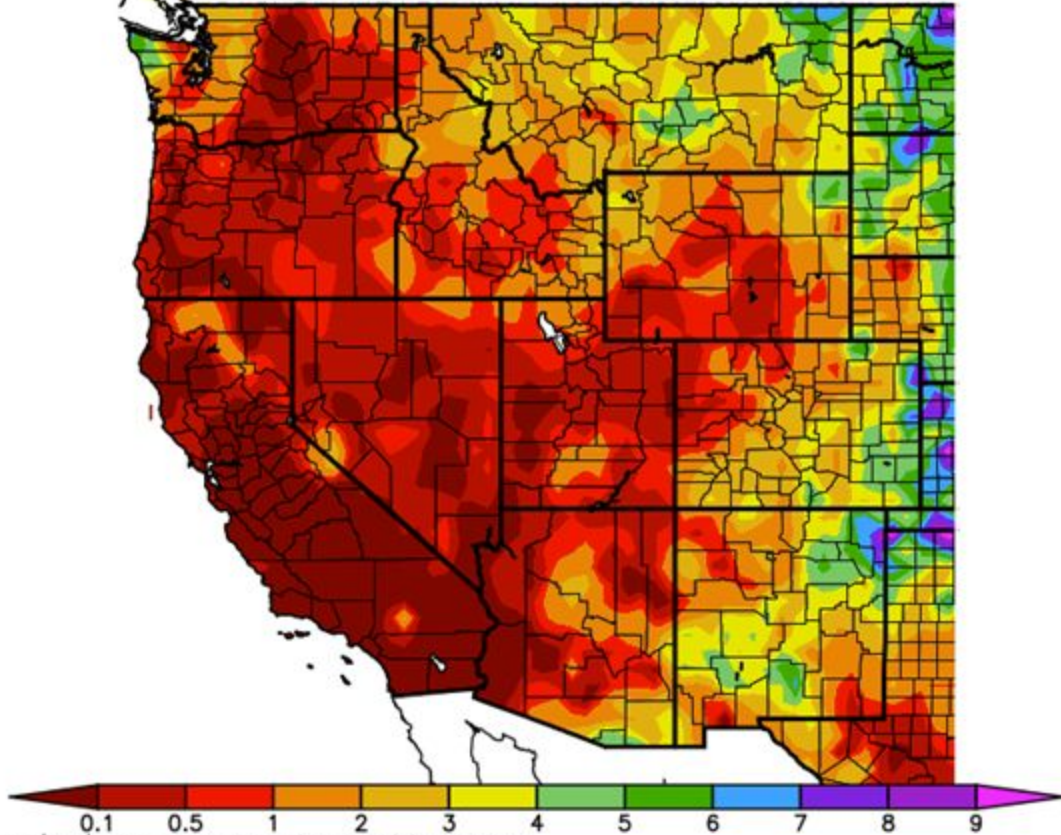


# **Utah Drought Monitor Feedback Webinar**

**August 25, 2020**

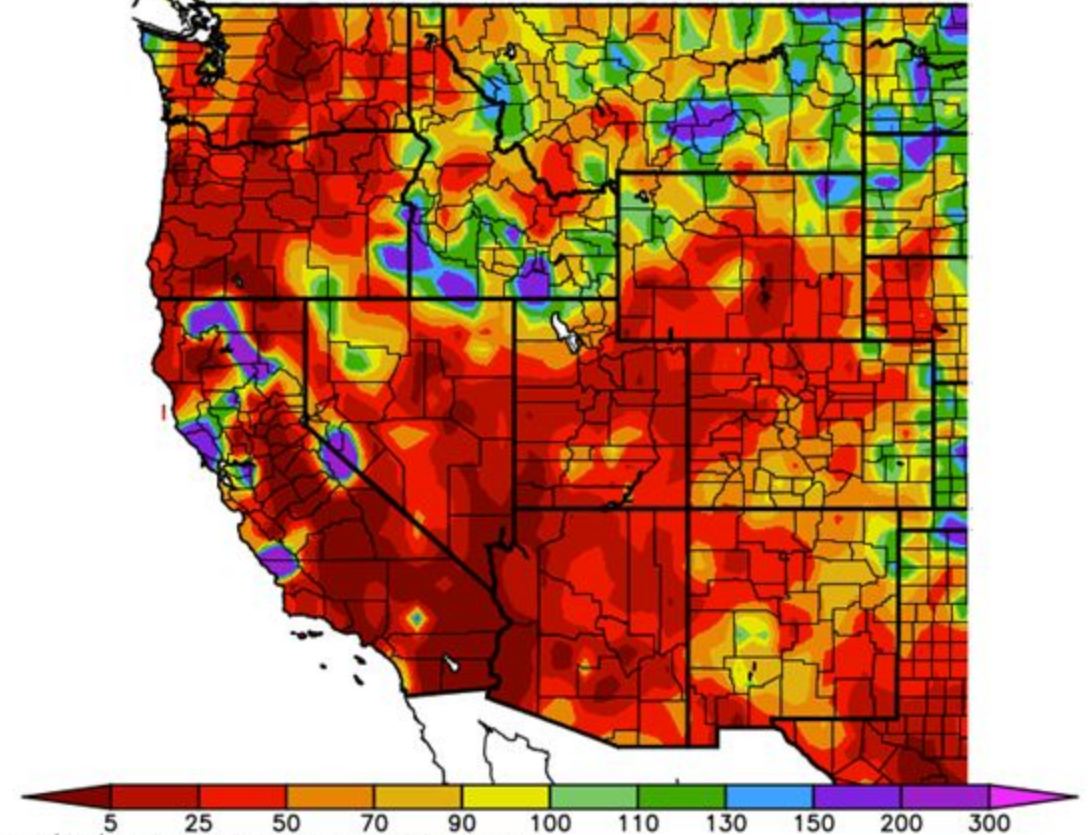
# Precipitation 60 day history (Percent of Average)

Total Precipitation (in.)  
6/26/2020 - 8/24/2020



Generated 8/25/2020 at WRCC using provisional data.  
NOAA Regional Climate Centers

Percent of Average Precipitation (%)  
6/26/2020 - 8/24/2020

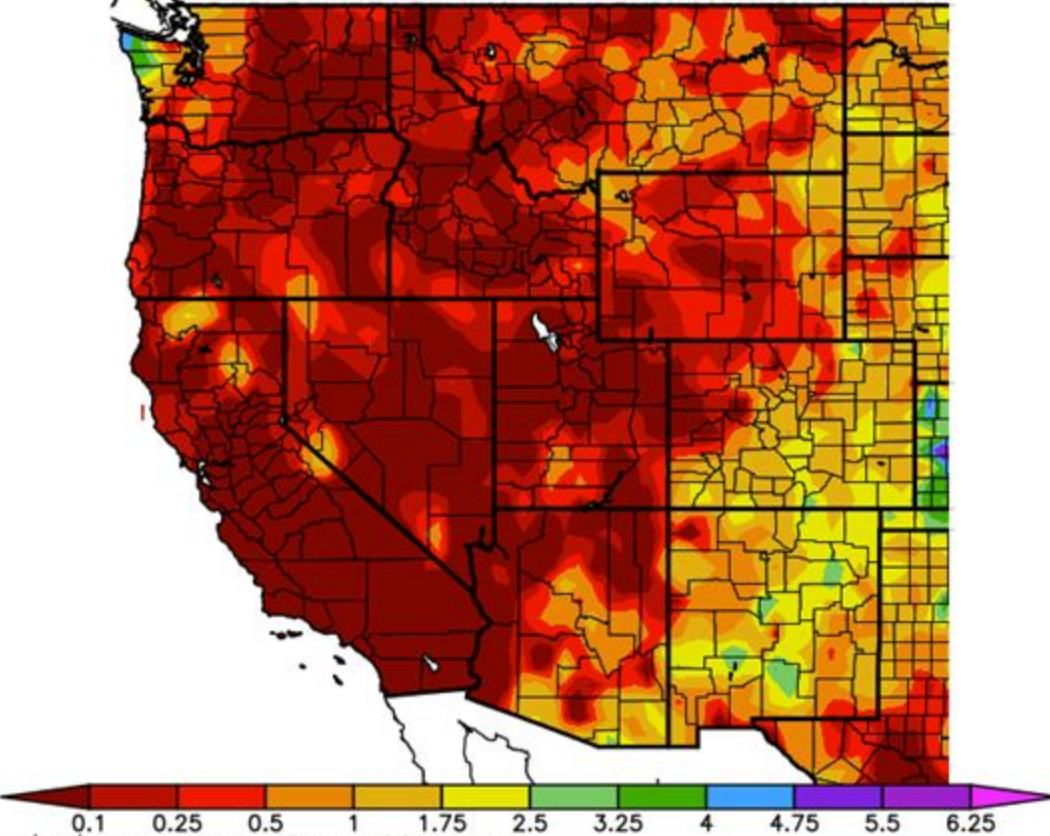


Generated 8/25/2020 at WRCC using provisional data.  
NOAA Regional Climate Centers



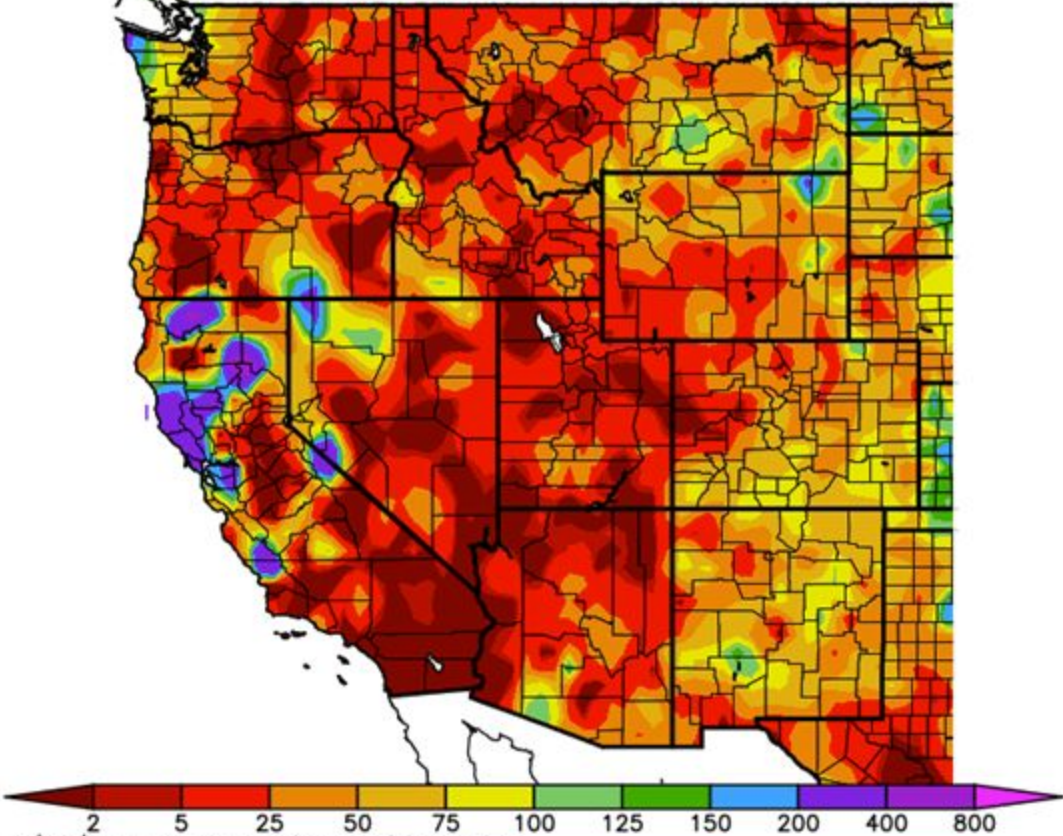
# Precipitation 30 day history (Percent of Average)

Total Precipitation (in.)  
7/26/2020 - 8/24/2020



Generated 8/25/2020 at WRCC using provisional data.  
NOAA Regional Climate Centers

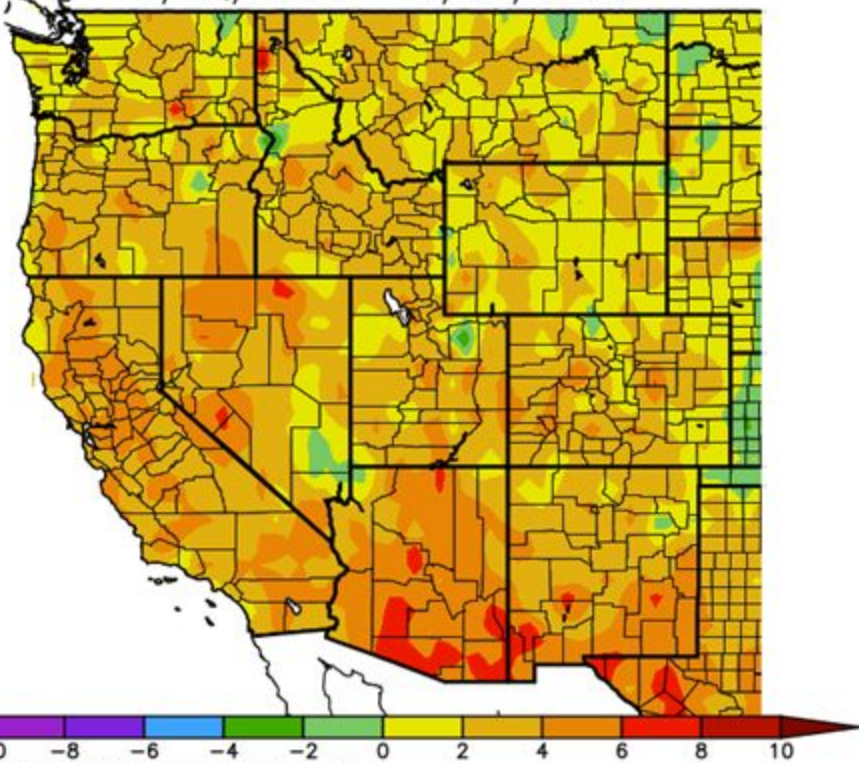
Percent of Average Precipitation (%)  
7/26/2020 - 8/24/2020



Generated 8/25/2020 at WRCC using provisional data.  
NOAA Regional Climate Centers

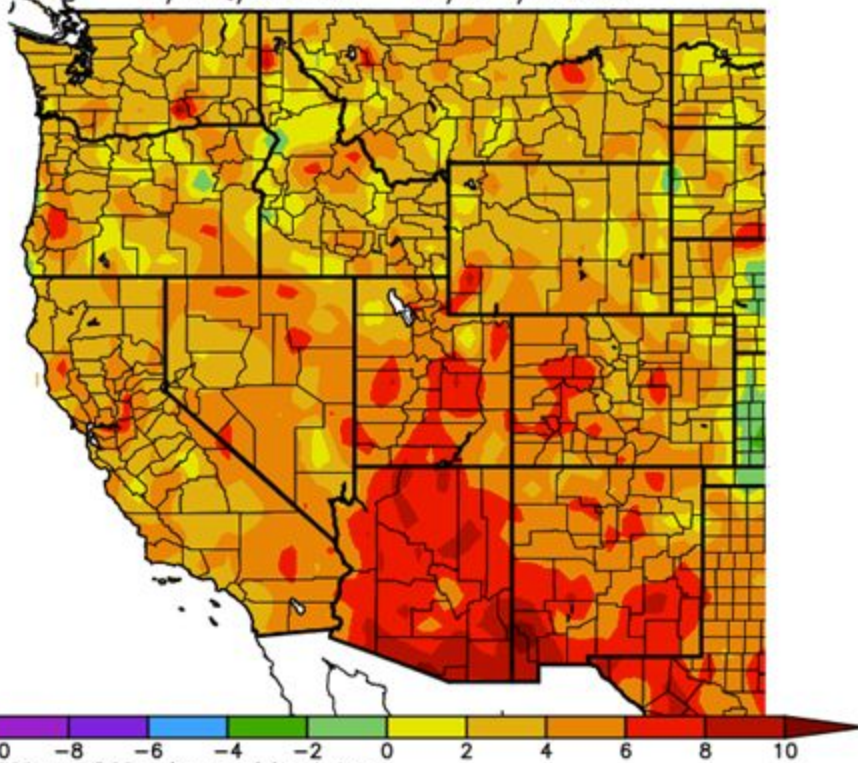
# Temperature 30 day (Related to Average)

Ave. Temperature dep from Ave (deg F)  
7/26/2020 - 8/24/2020



Generated 8/25/2020 at WRCC using provisional data.  
NOAA Regional Climate Centers

Av. Max. Temperature dep from Ave (deg F)  
7/26/2020 - 8/24/2020

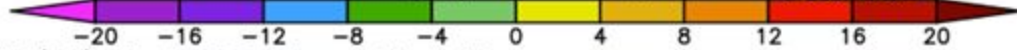
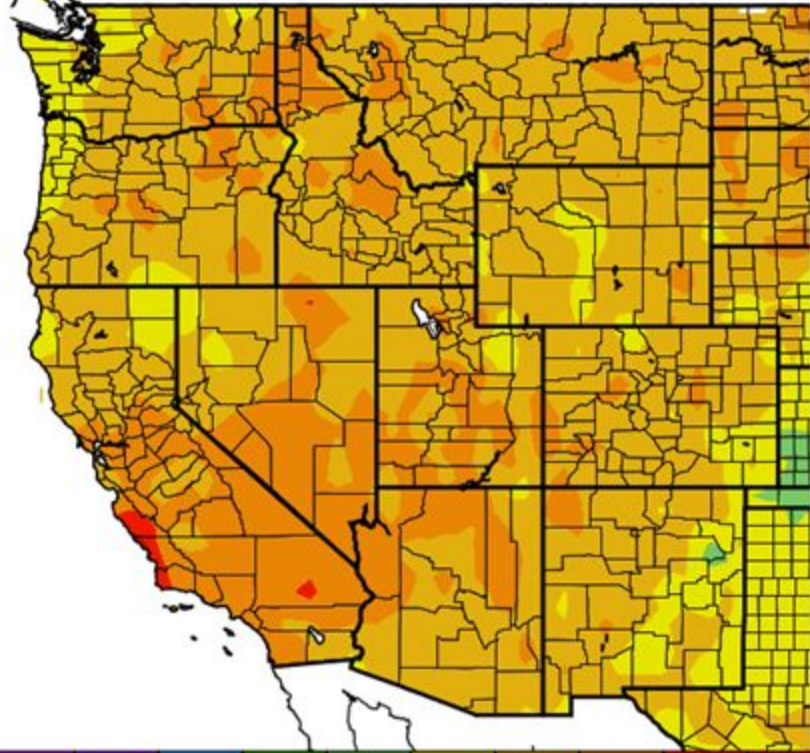


Generated 8/25/2020 at WRCC using provisional data.  
NOAA Regional Climate Centers



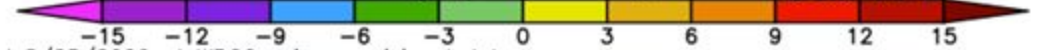
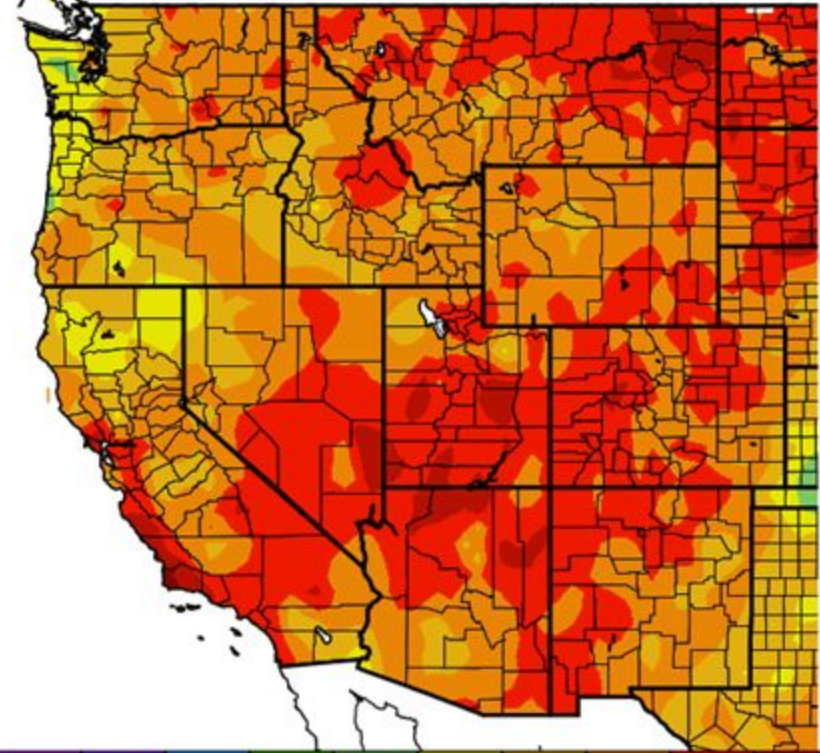
# Temperature 7 day (Related to Average)

Ave. Temperature dep from Ave (deg F)  
8/18/2020 - 8/24/2020



Generated 8/25/2020 at WRCC using provisional data.  
NOAA Regional Climate Centers

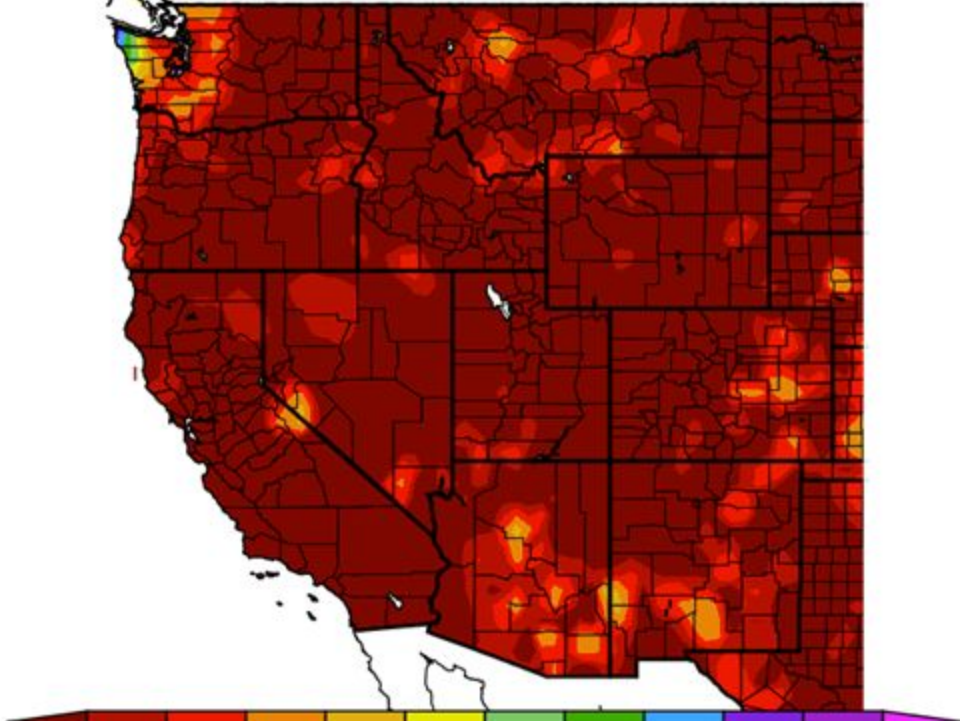
Av. Max. Temperature dep from Ave (deg F)  
8/18/2020 - 8/24/2020



Generated 8/25/2020 at WRCC using provisional data.  
NOAA Regional Climate Centers

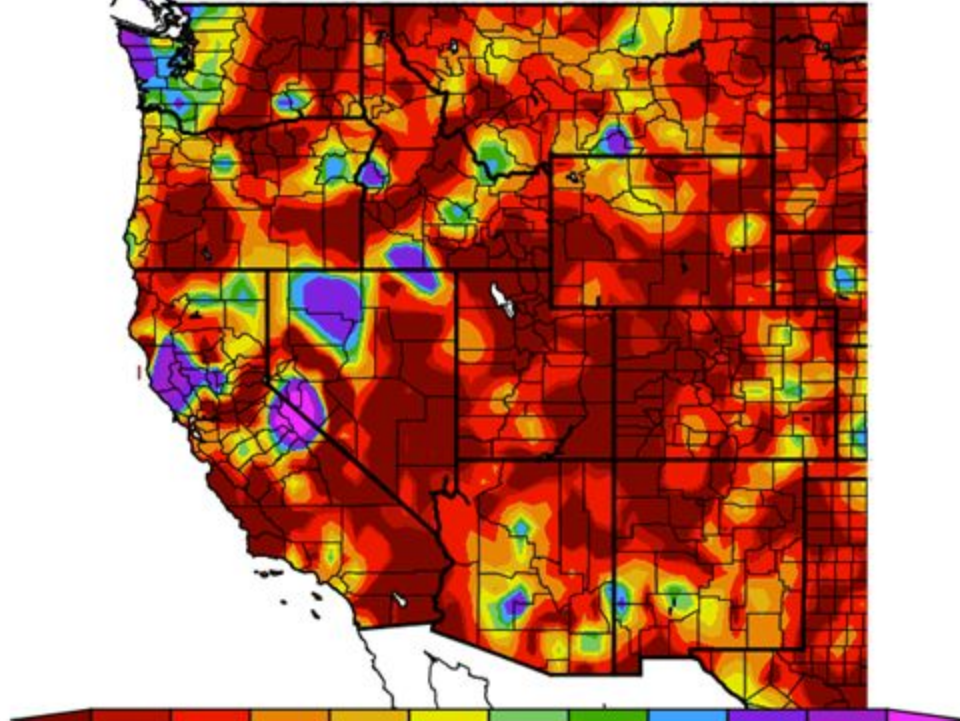
# Precipitation 7 day history (Percent of Average)

Total Precipitation (in.)  
8/18/2020 - 8/24/2020



Generated 8/25/2020 at WRCC using provisional data.  
NOAA Regional Climate Centers

Percent of Average Precipitation (%)  
8/18/2020 - 8/24/2020

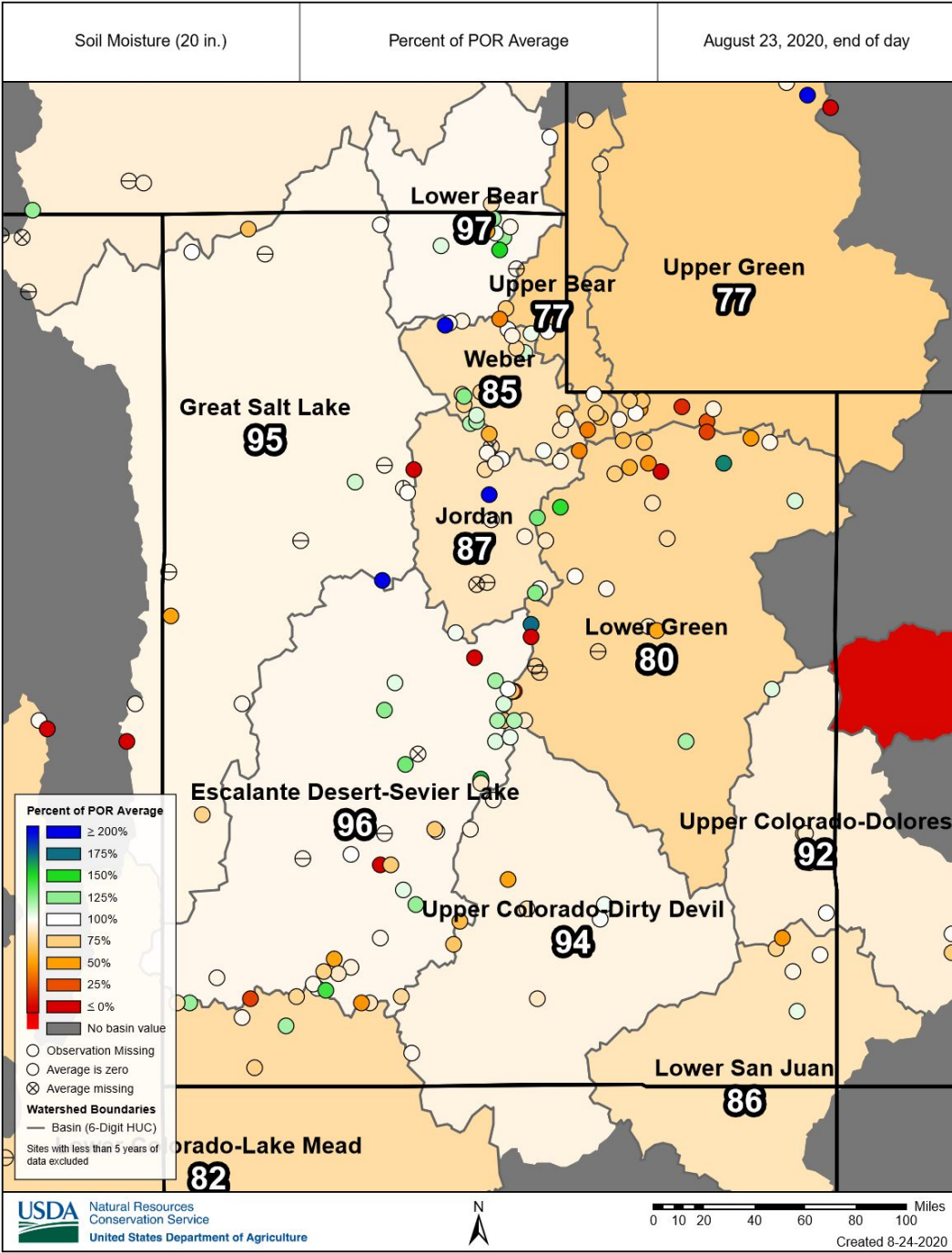


Generated 8/25/2020 at WRCC using provisional data.  
NOAA Regional Climate Centers



# Soil Moisture (Current) SNOTEL & SCAN data combined

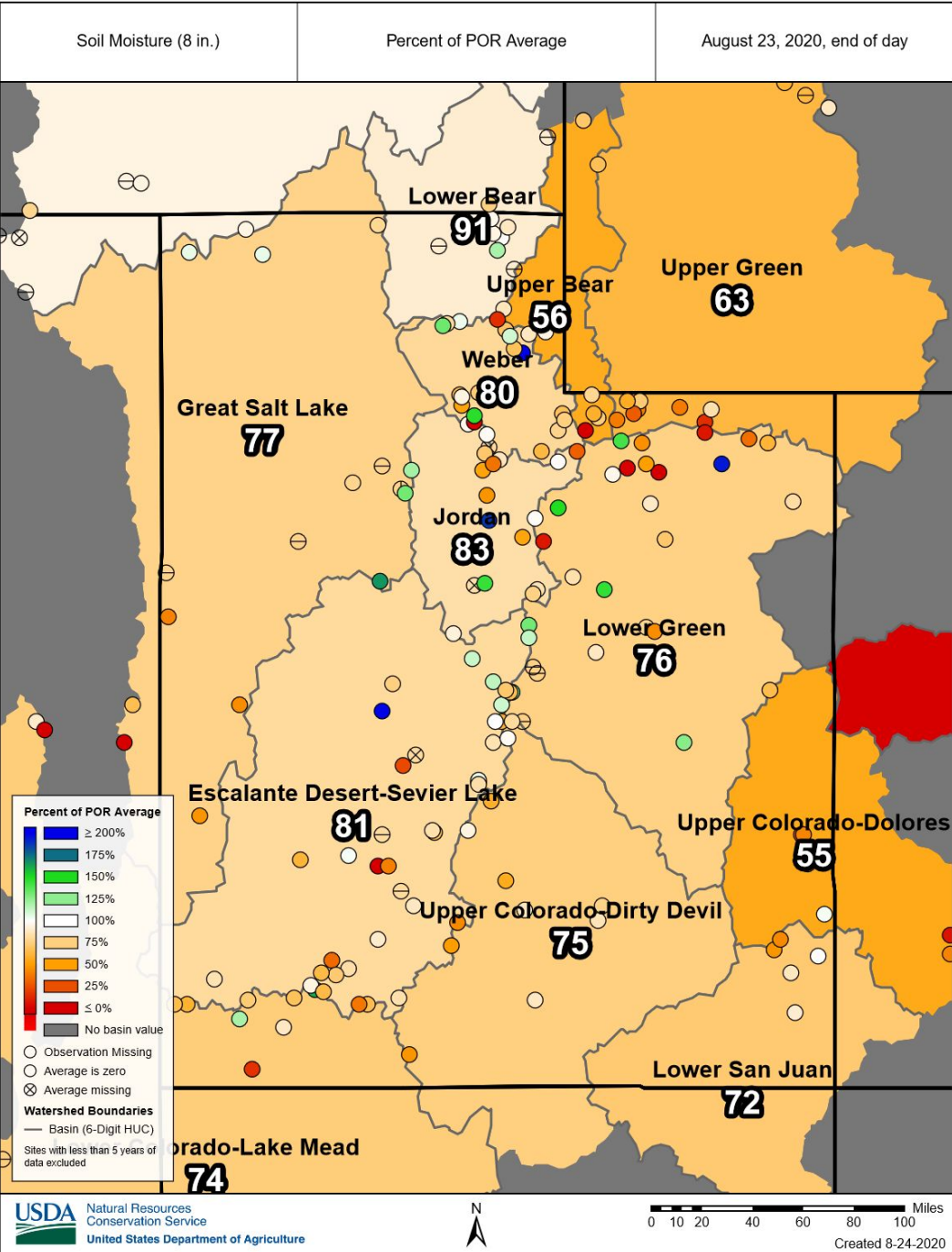
20" sensor



Agency - NRCS Snow Survey  
Presenter - Jordan Clayton

# Soil Moisture (Current) SNOTEL & SCAN data combined

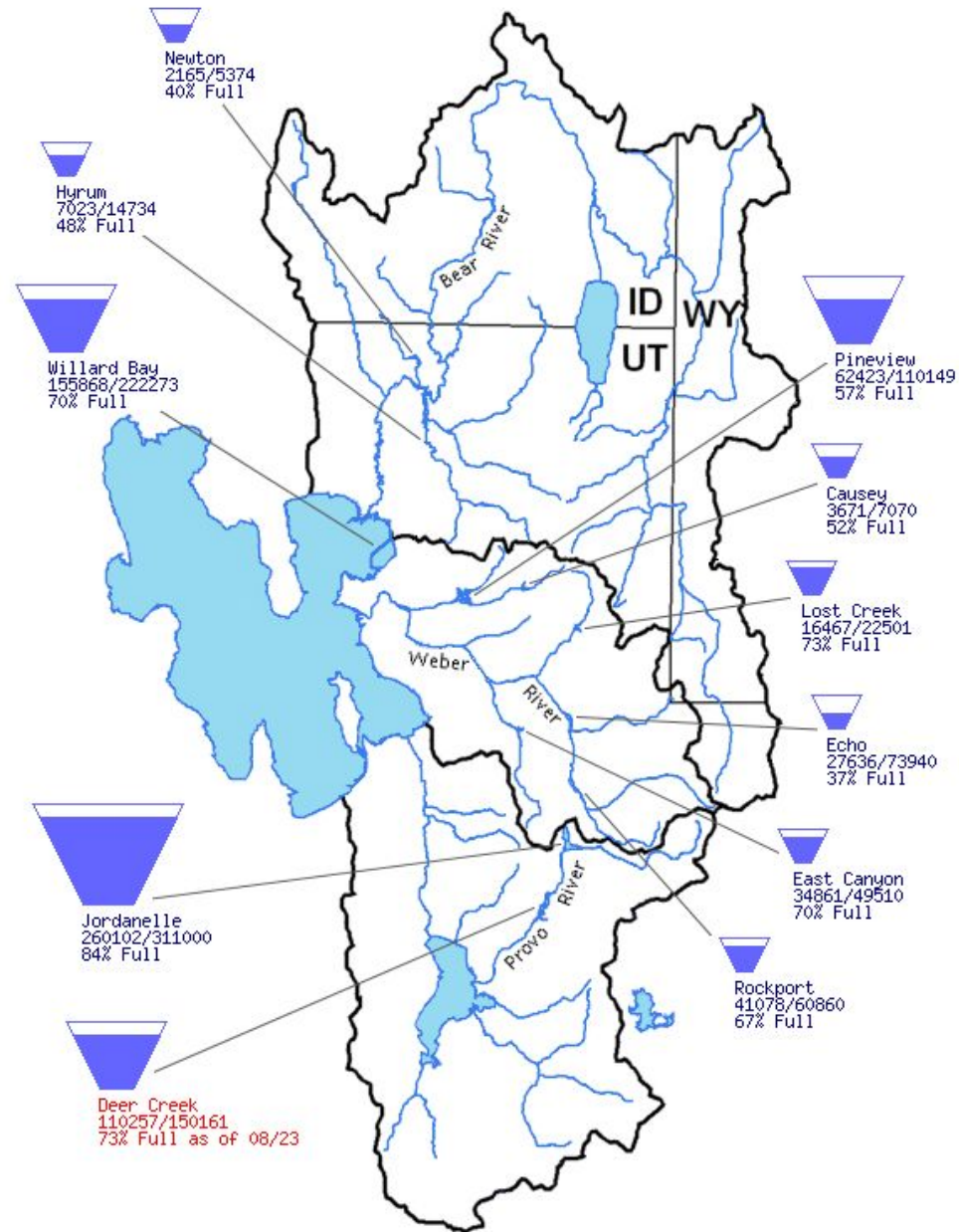
8" sensor



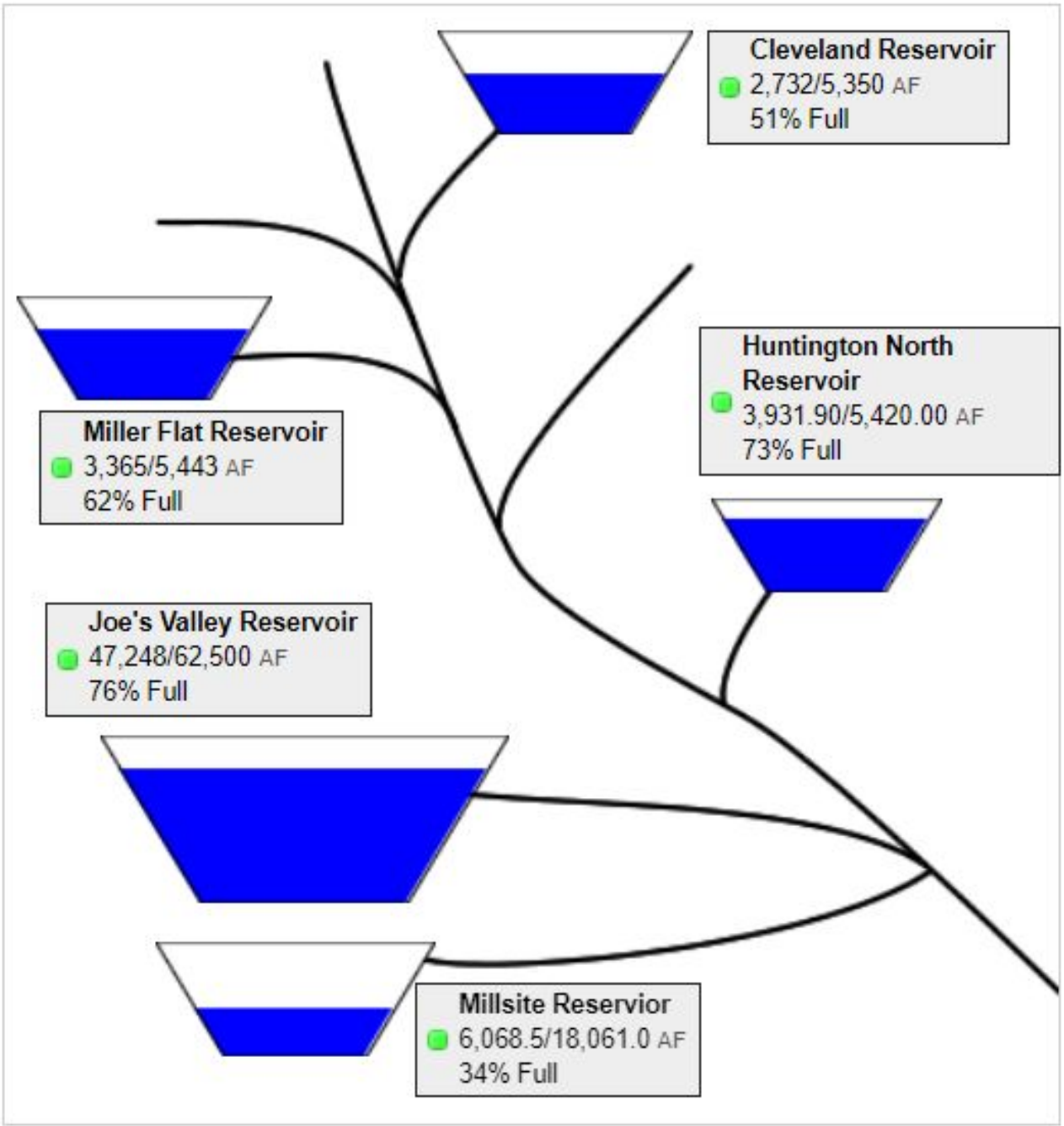


Data Current as of:  
08/24/2020

## Bear, Weber, and Provo River Basins

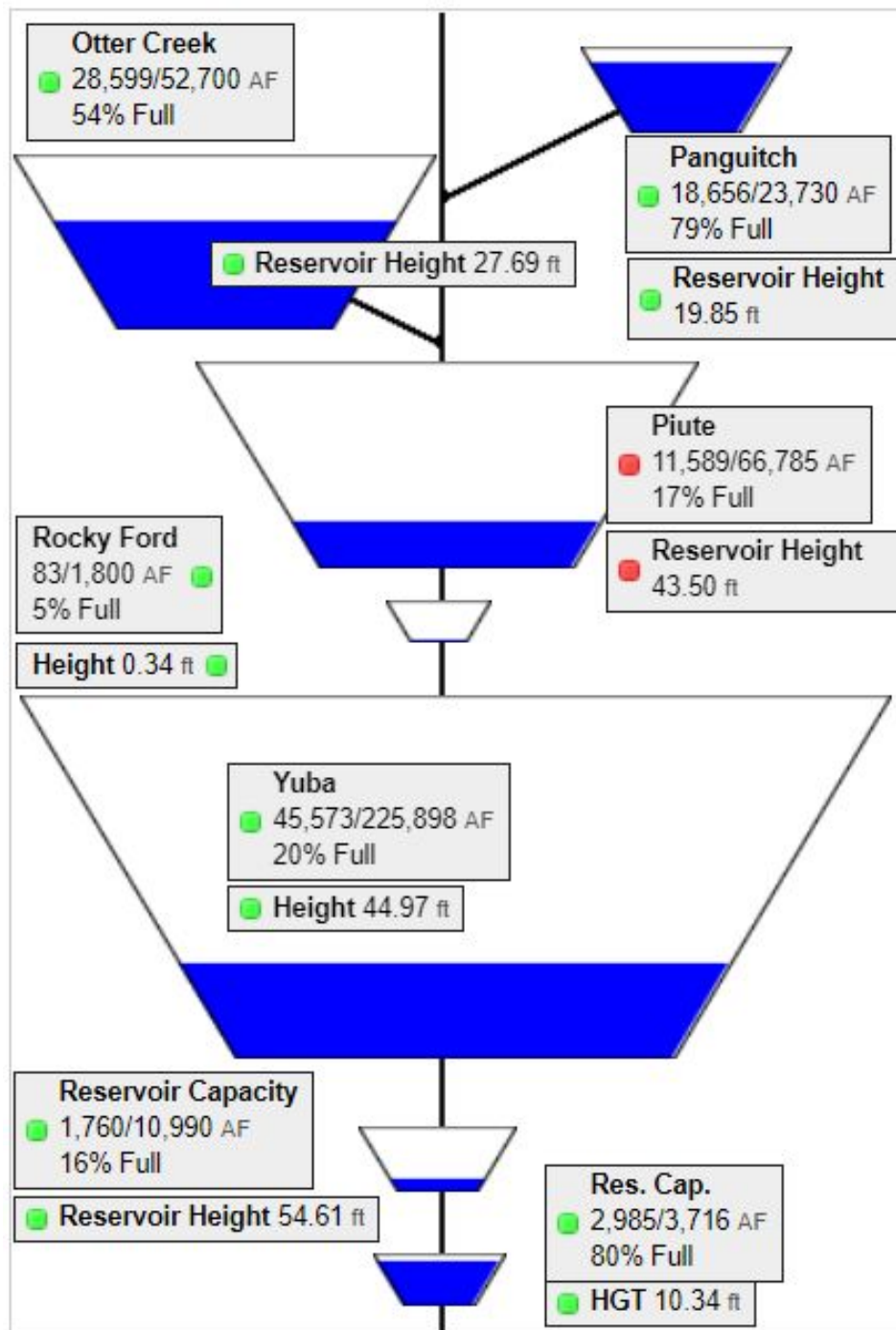


Agency - BOR data  
Presenter - Laura Haskell



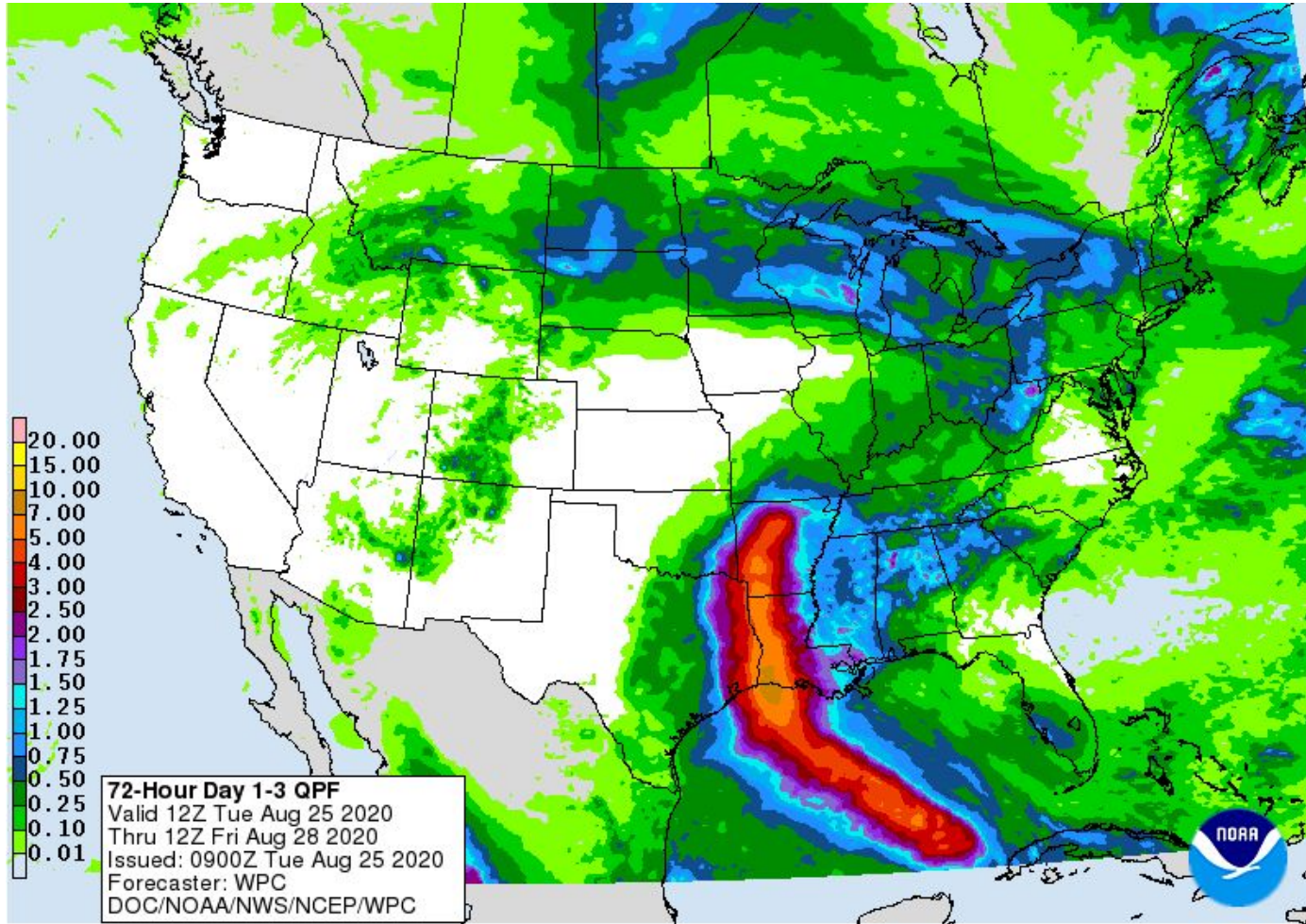
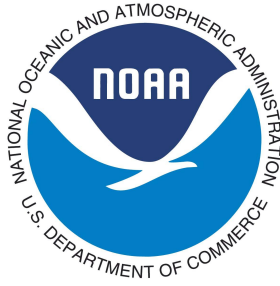
Agency - Emery Water Conservancy  
District data  
Presenter - Laura Haskell





Agency - Sevier River Water  
 Users Association data  
 Presenter - Laura Haskell

# Weather Forecast Office Utah Day 1-7 Outlook



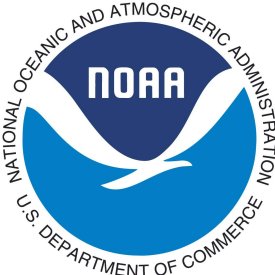
- Some thunderstorm chances, but largely dry
- Maintenance of above normal temps this week, trending near seasonal this weekend.
- High pressure will become more suppressed in time.
- A cooler airmass will move into the area for the beginning portions of next week.

Agency - National Weather Service Weather Forecast Office

Presenter - Glen Merrill

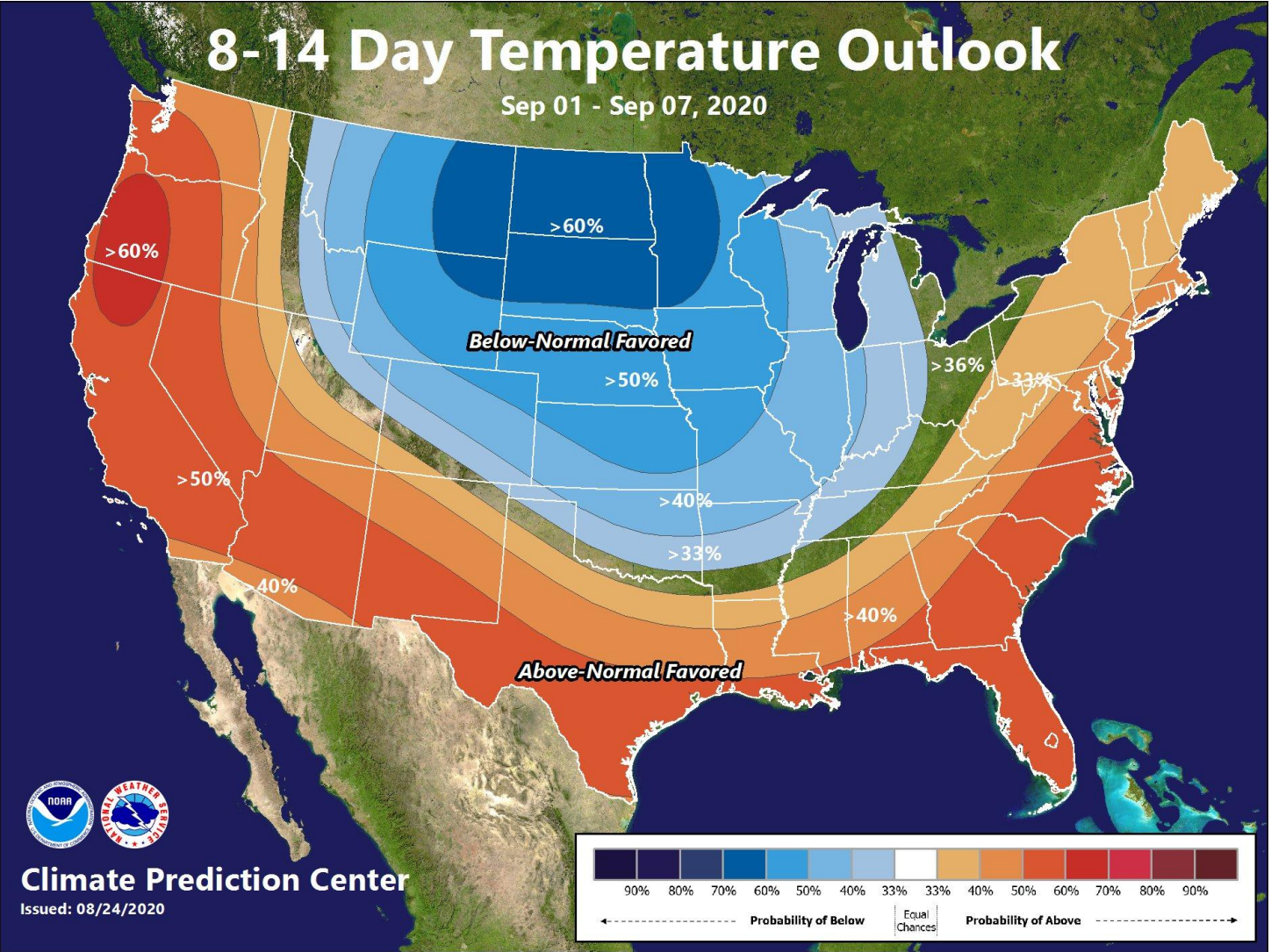
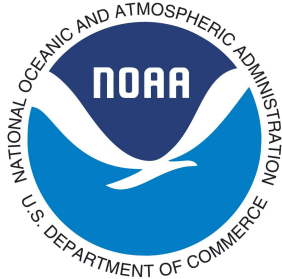


# Weather Prediction Center U.S. Day 3-7 Hazards Outlook



Agency - National Weather Service Weather Forecast Office  
Presenter - Glen Merrill

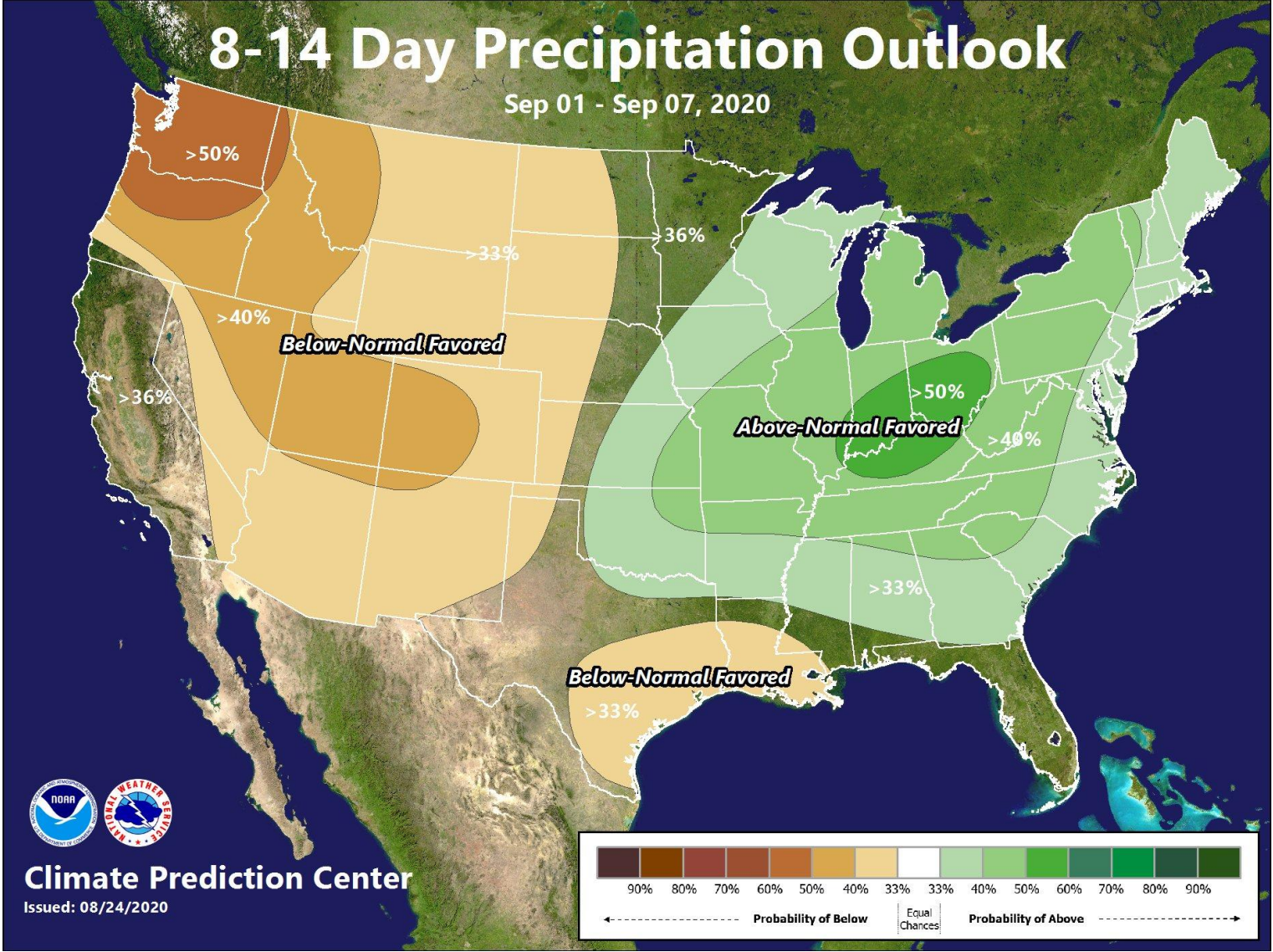
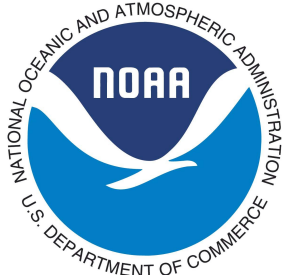
# Climate Prediction Center 8 to 14 Day Outlooks - Temperature



Agency - National Weather Service Weather Forecast Office  
Presenter - Glen Merrill

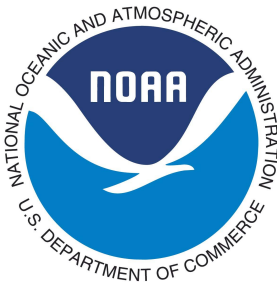


# Climate Prediction Center 8 to 14 Day Outlooks - Precipitation



Agency - National Weather Service Weather Forecast Office  
Presenter - Glen Merrill

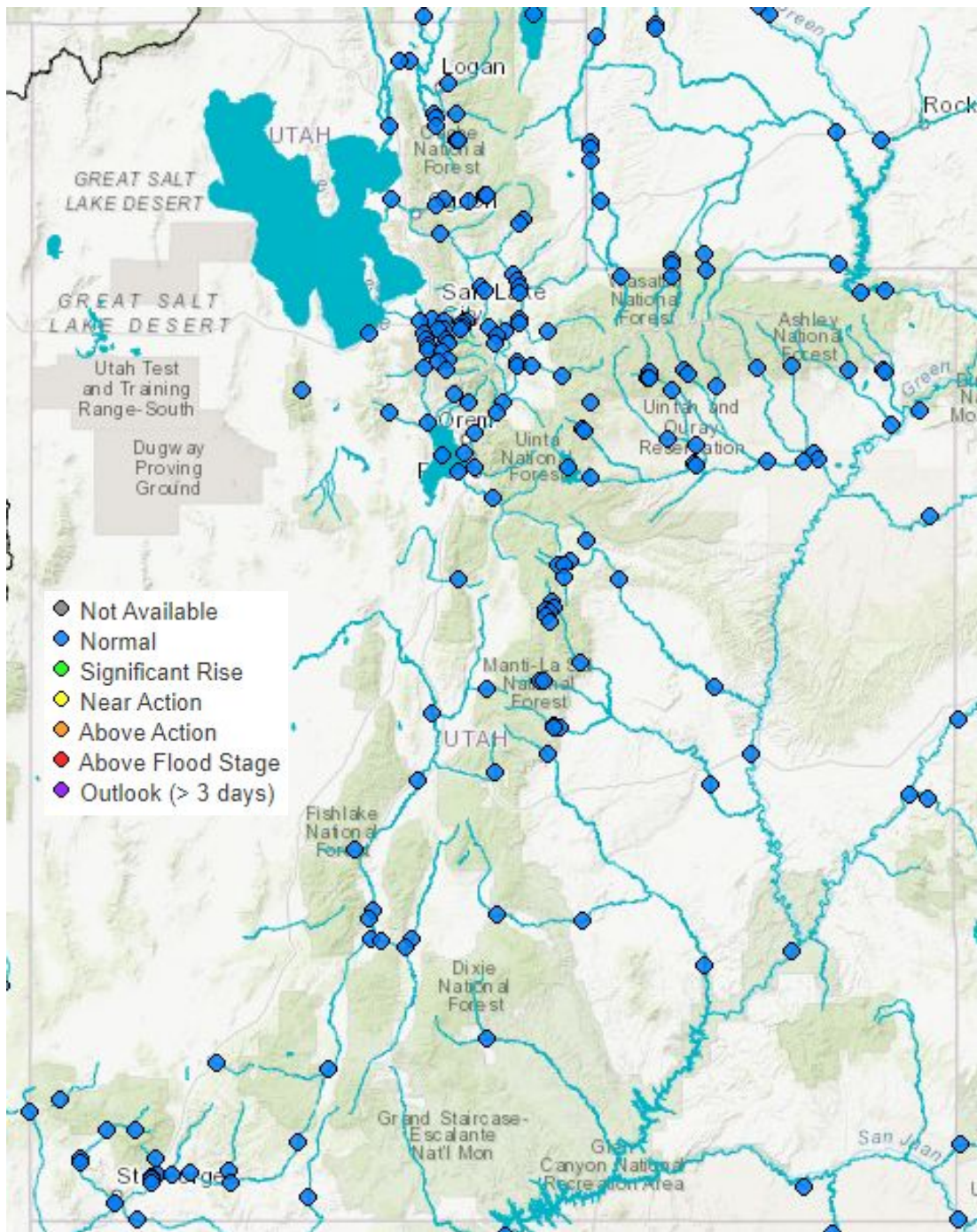
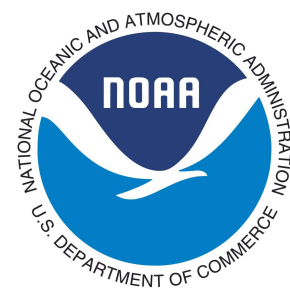
# Climate Prediction Center U.S. Week-2 Hazards Outlook



Above Normal Temperatures	Excessive Heat	Heavy Precipitation	Composite
High Risk	High Risk	High Risk	Flooding Possible
Moderate Risk	Moderate Risk	Moderate Risk	Frozen Precipitation
Slight Risk	Slight Risk	Slight Risk	Severe Weather
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 - Glen Merrill





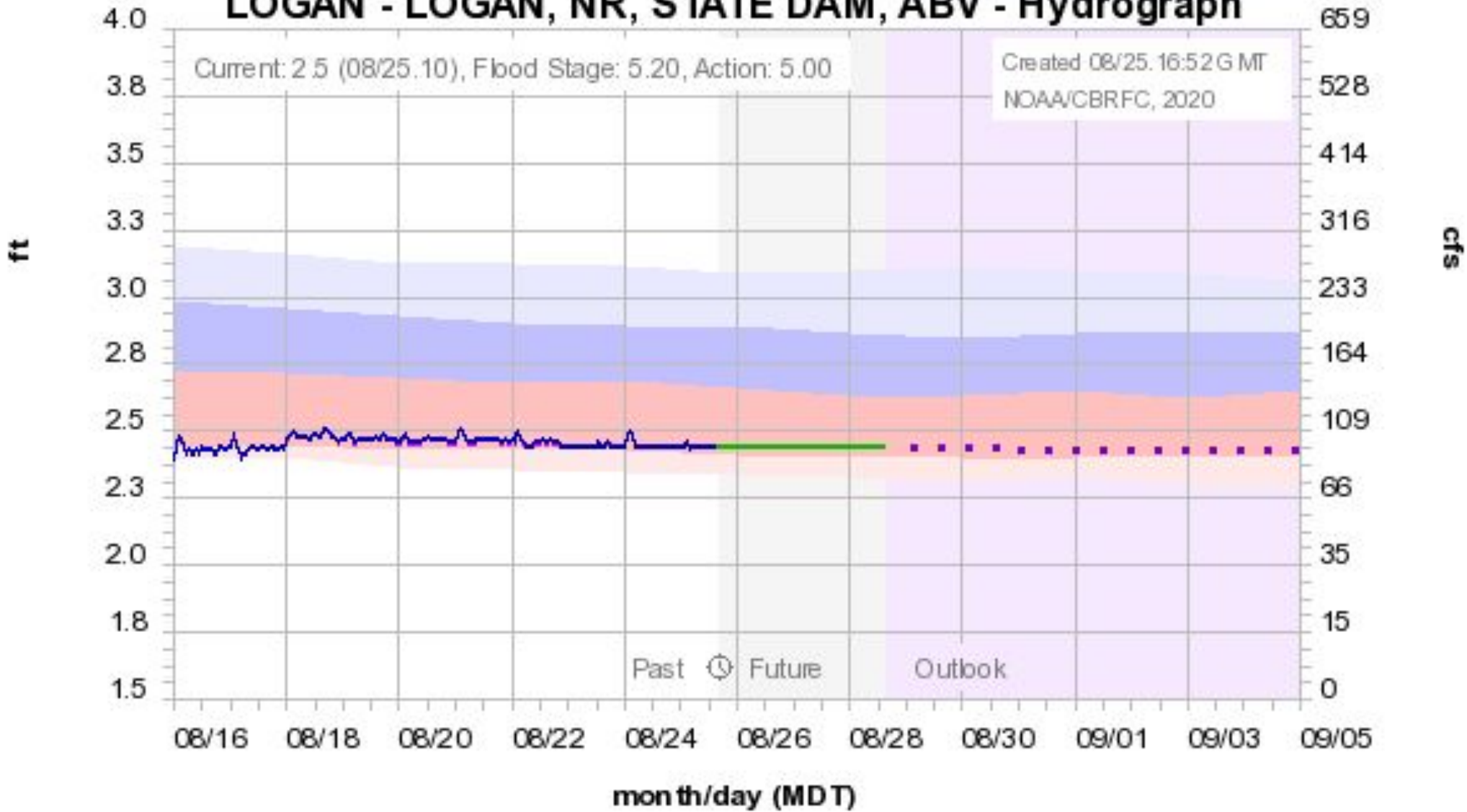
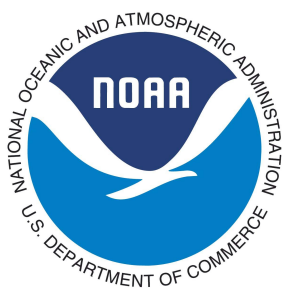
Despite some recent rain, most locations are currently flowing below average conditions, and are forecasted to continue to do so.

Cooler temperatures are forecasted, with hopefully a pattern change to the weather.



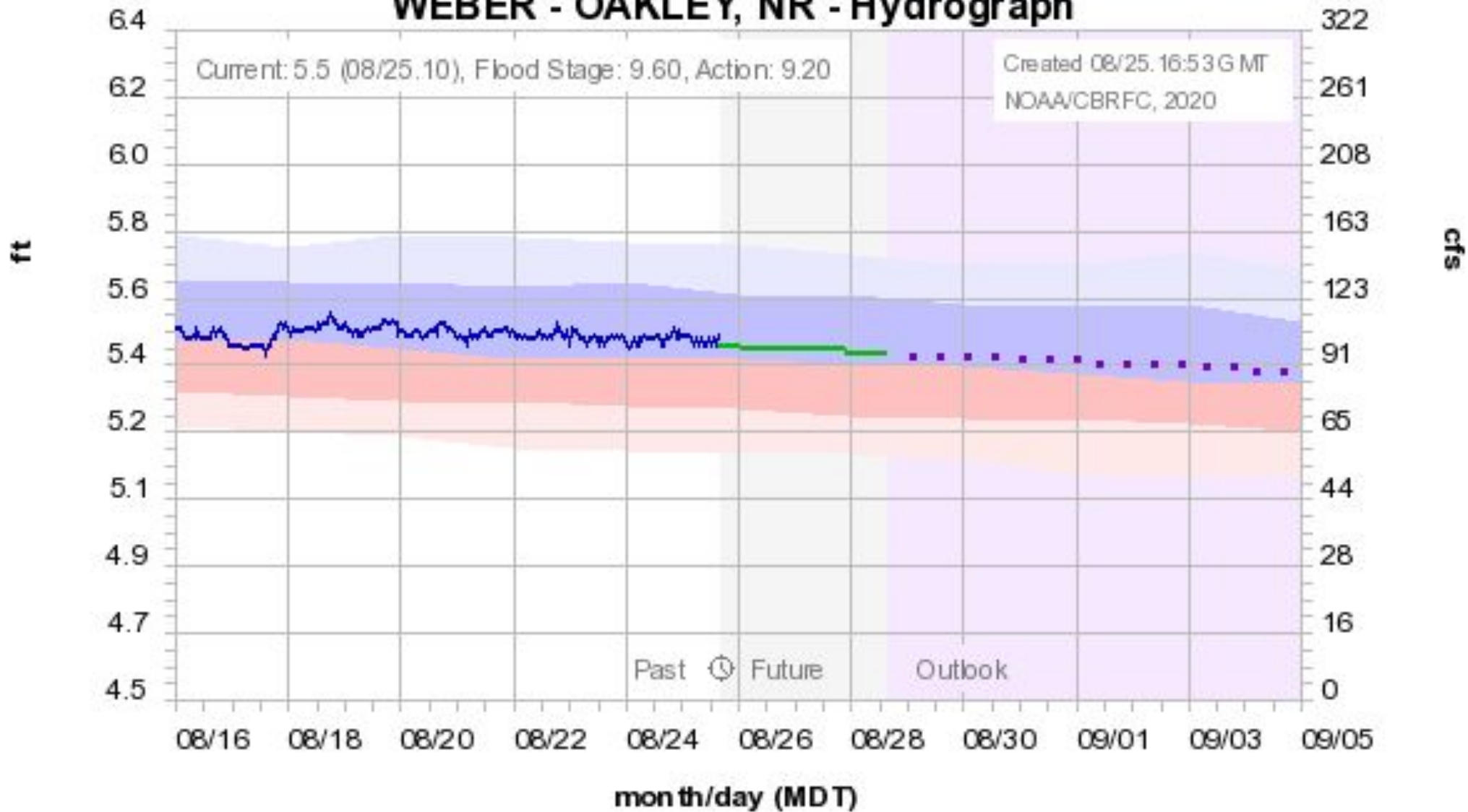
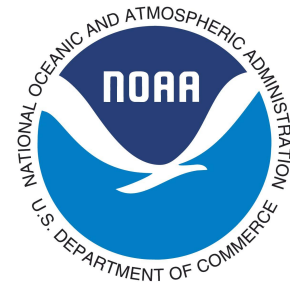
# Colorado Basin River Forecast Center

## LOGAN - LOGAN, NR, STATE DAM, ABV - Hydrograph



Simulated — Observed — Forecast (08/25. 16:00) — Outlook (increasing uncertainty) ⋯  
Historical Exceedance Probability (USGS): 90-75% ■ 75-50% ■ 50-25% ■ 25-10% ■

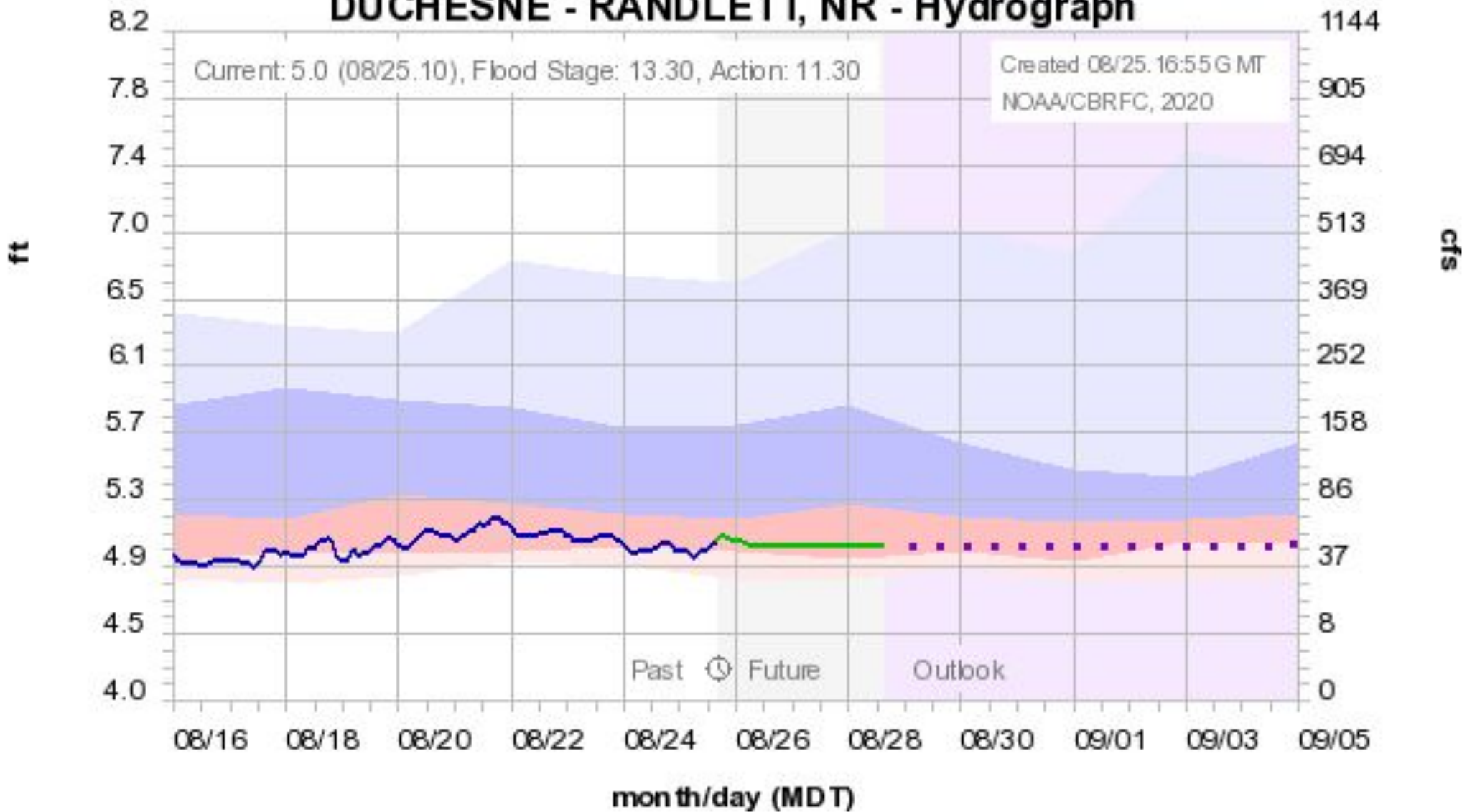
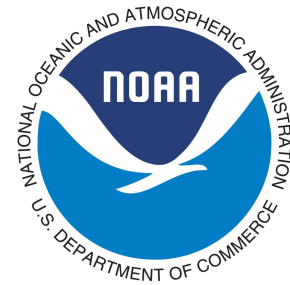
# Colorado Basin River Forecast Center WEBER - OAKLEY, NR - Hydrograph



Simulated █ Observed █ Forecast (08/25.13:00) █ Outlook (increasing uncertainty) █  
 Historical Exceedance Probability (USGS): 90-75% █ 75-50% █ 50-25% █ 25-10% █

# Colorado Basin River Forecast Center

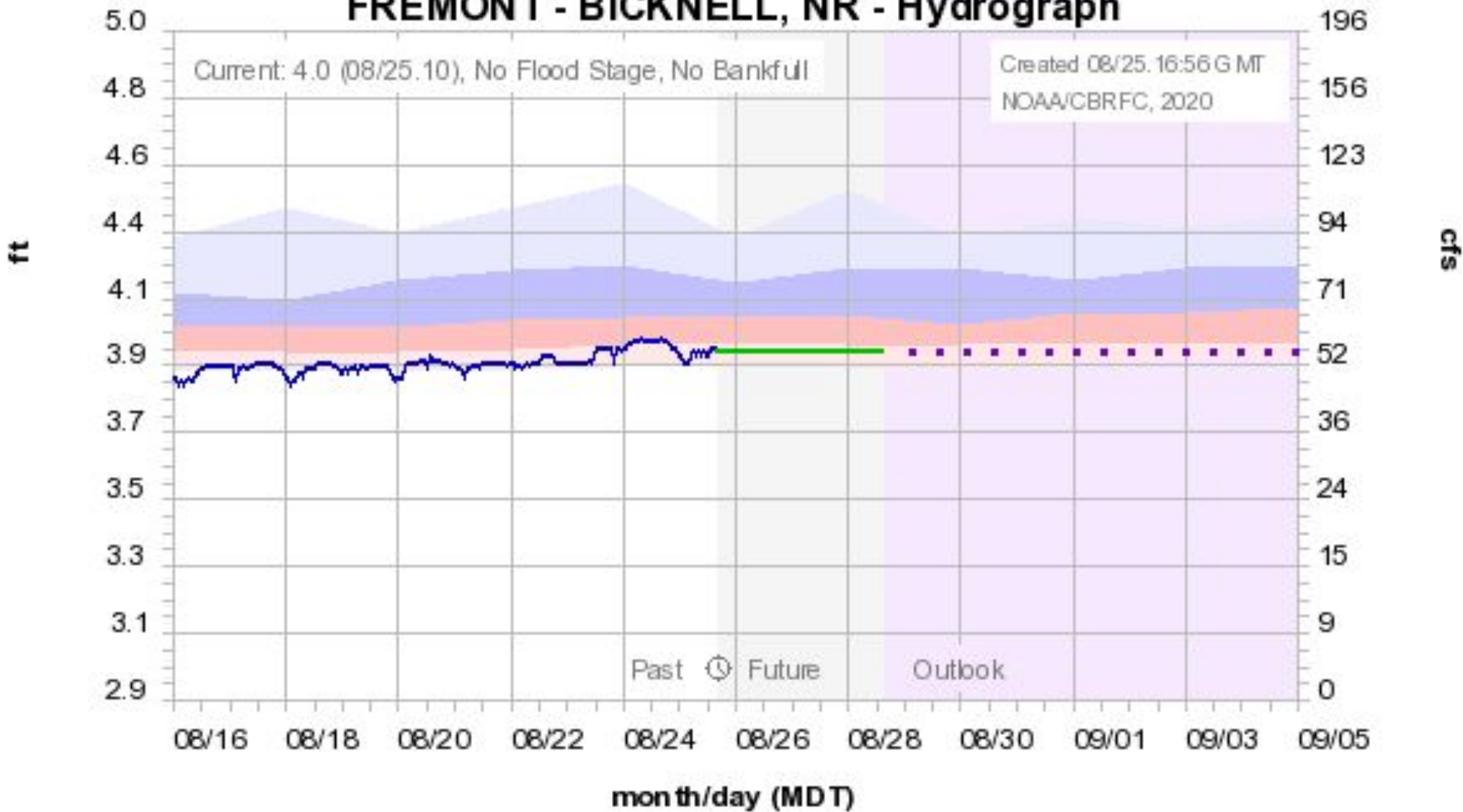
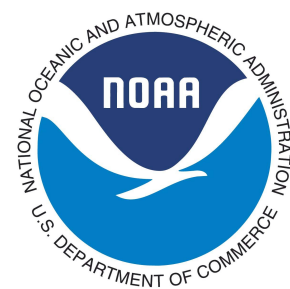
## DUCHESNE - RANDLETT, NR - Hydrograph



*Simulated* — *Observed* — *Forecast (08/25. 13:00)* — *Outlook (increasing uncertainty)* - - -  
*Historical Exceedance Probability (USGS):* 90-75% ■ 75-50% ■ 50-25% ■ 25-10% ■ 10-0% ■



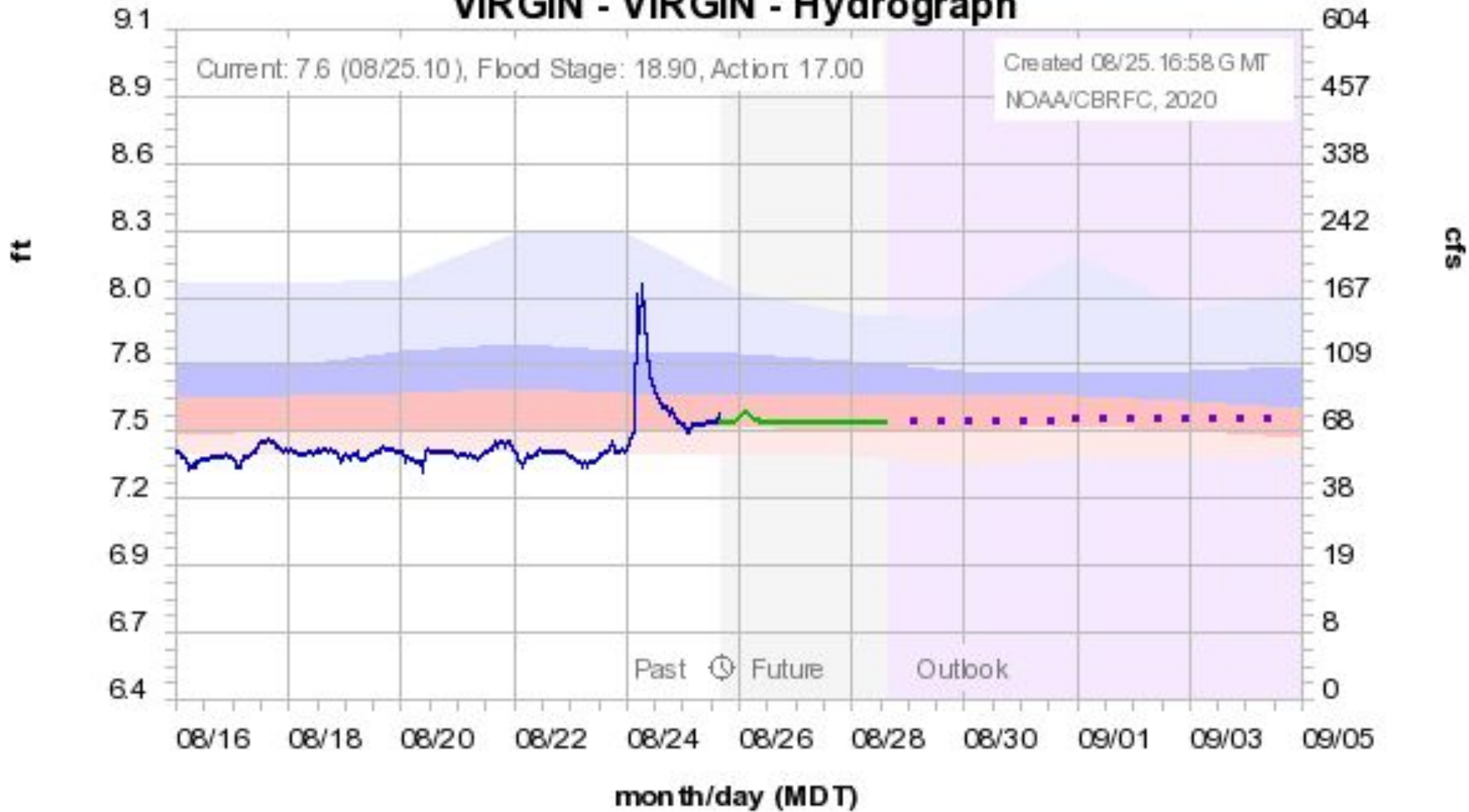
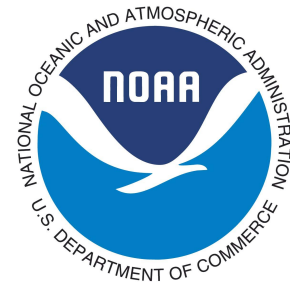
# Colorado Basin River Forecast Center FREMONT - BICKNELL, NR - Hydrograph



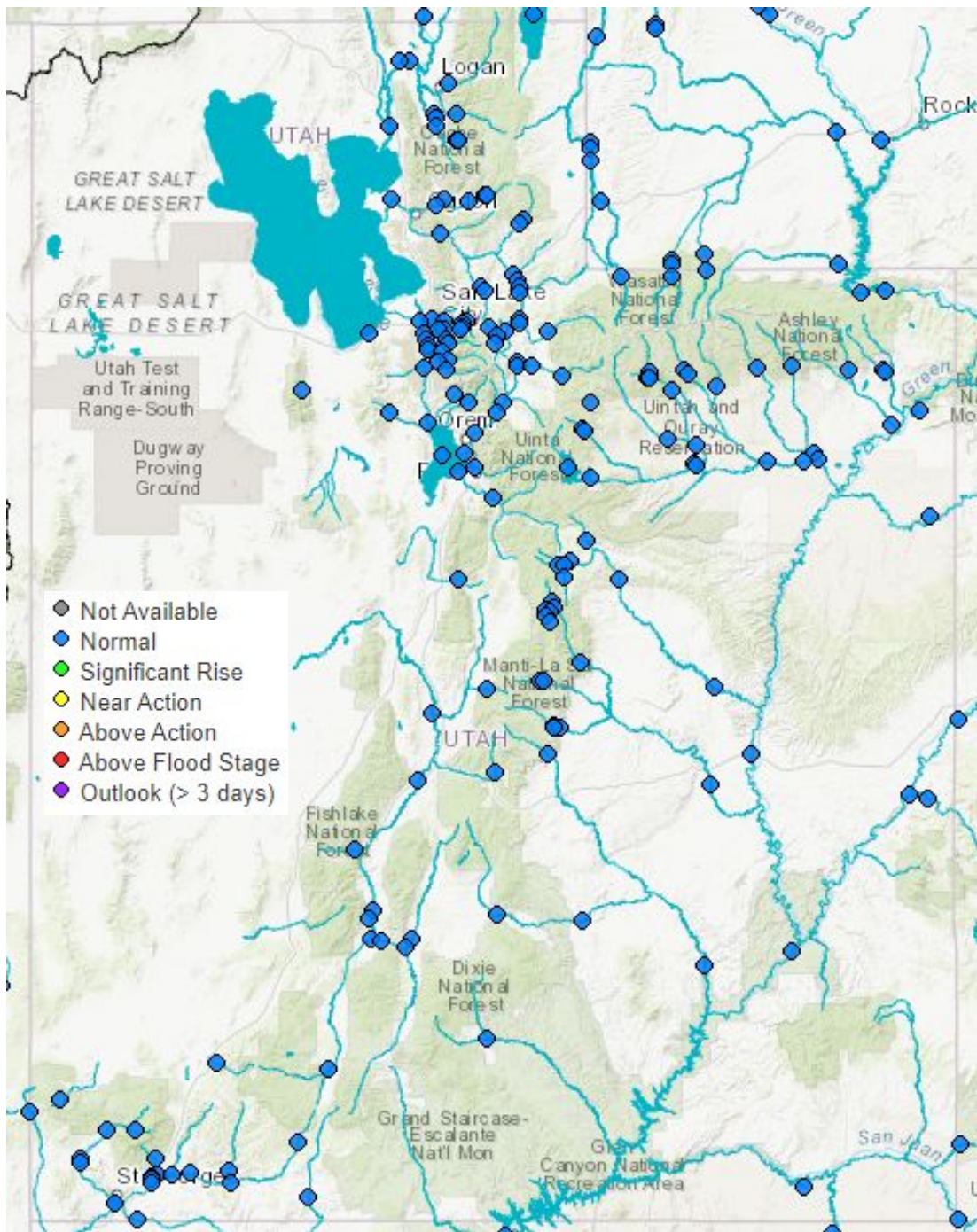
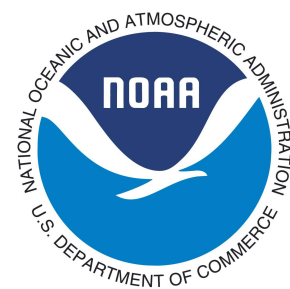
Simulated — Observed — Forecast (08/25. 13:00) — Outlook (increasing uncertainty) - -  
 Historical Exceedance Probability (USGS): 90-75% ■ 75-50% ■ 50-25% ■ 25-10% ■

# Colorado Basin River Forecast Center

## VIRGIN - VIRGIN - Hydrograph



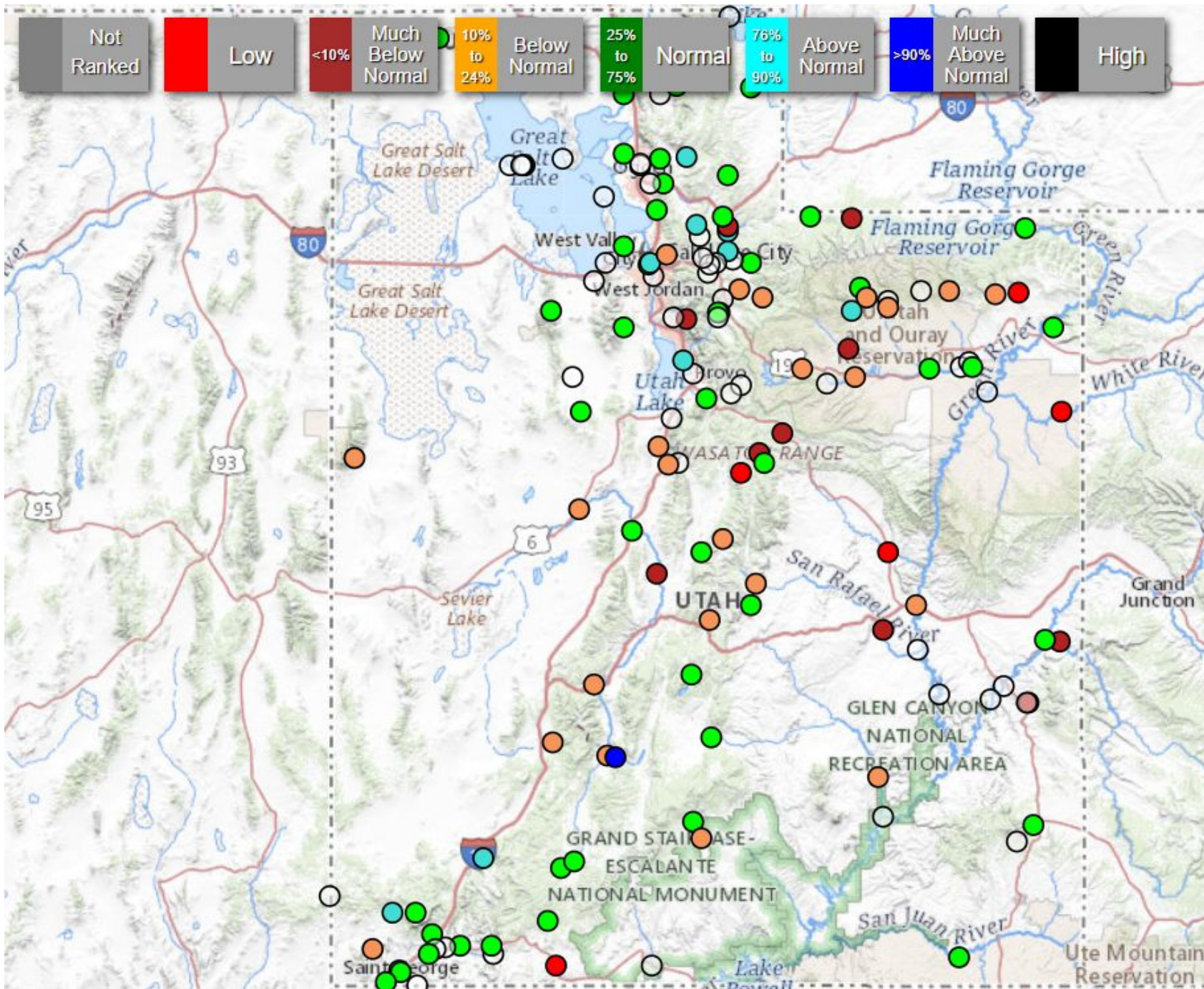
Simulated █ Observed █ Forecast (08/25.13:00) █ Outlook (increasing uncertainty) █ █  
 Historical Exceedance Probability (USGS): 90-75% █ 75-50% █ 50-25% █ 25-10% █ 10-0% █



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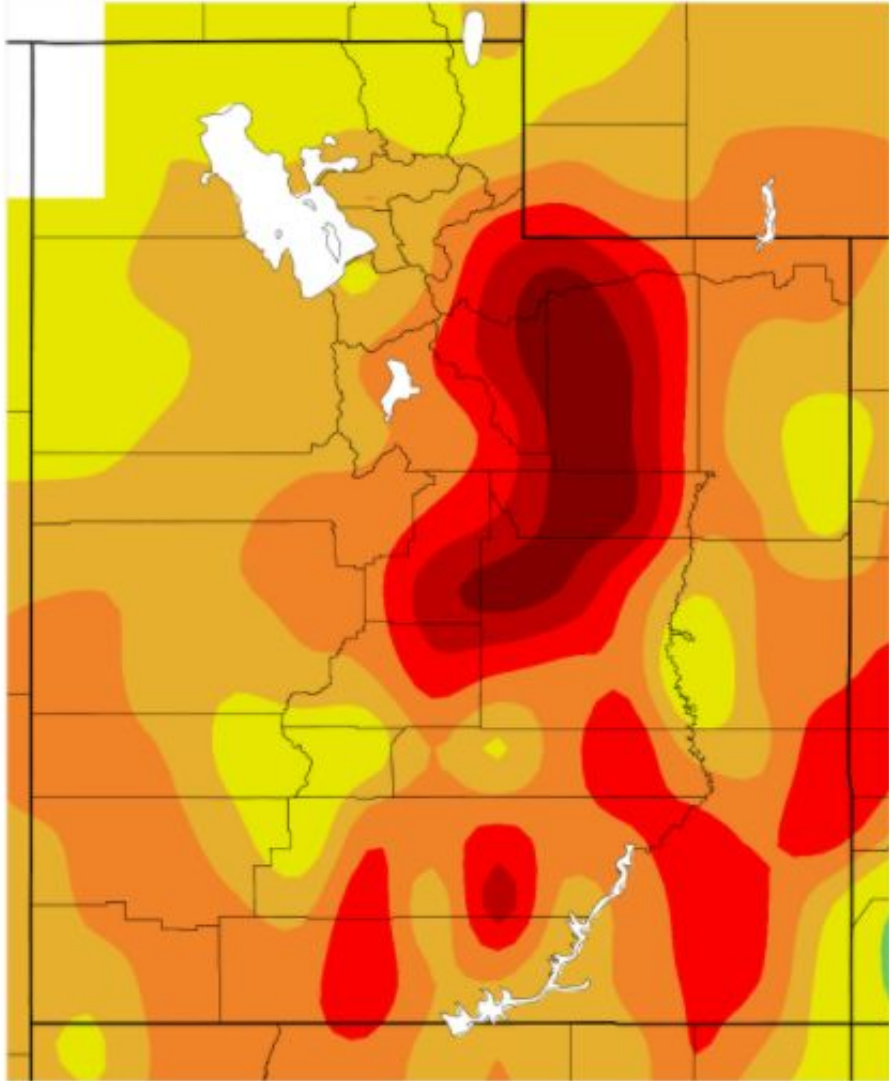




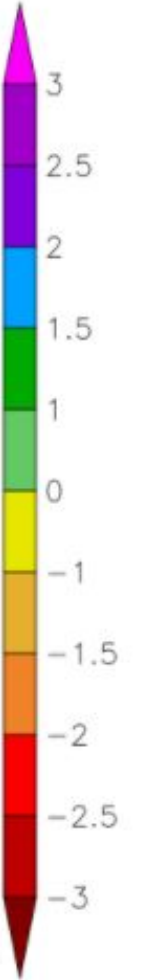
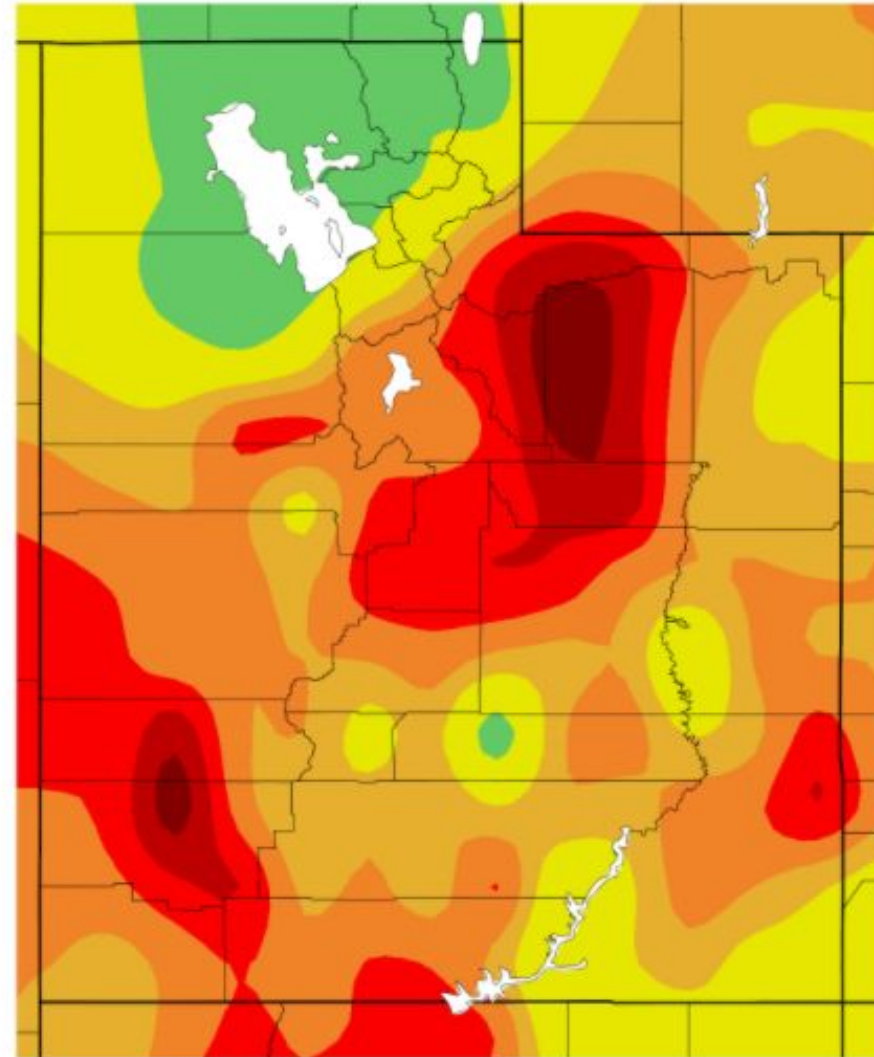
Agency - USGS  
 Presenter - Laura Haskell



30 Day SPI  
7/25/2020 - 8/23/2020

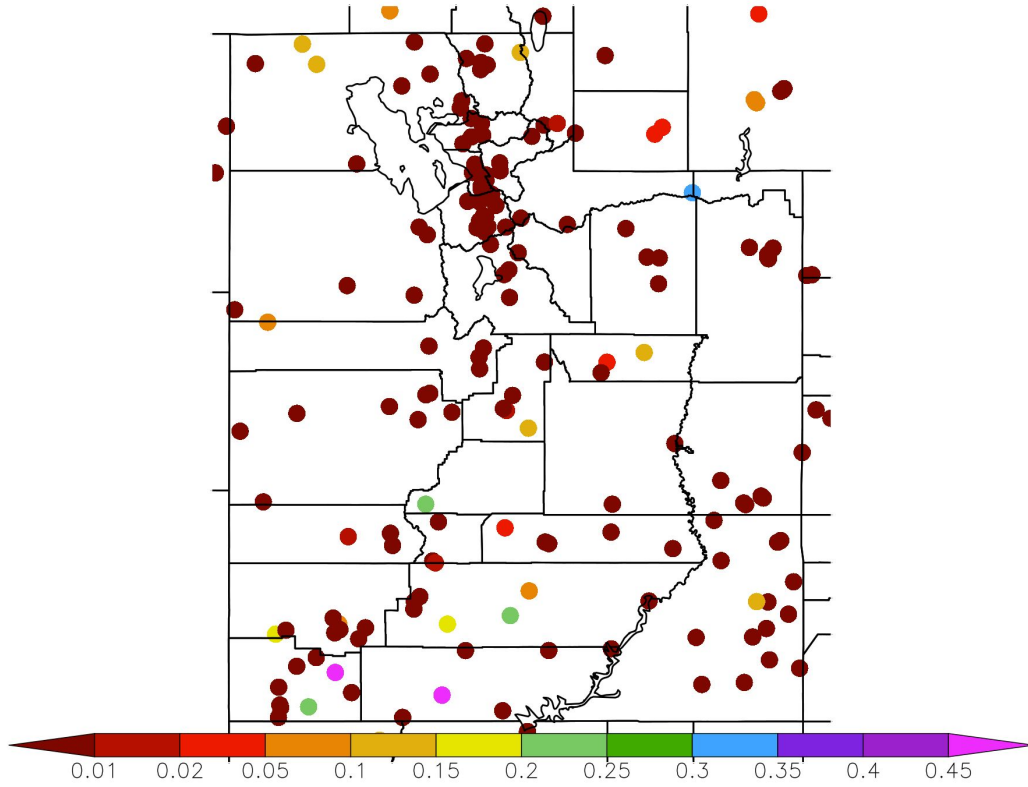


60 Day SPI  
6/24/2020 - 8/22/2020



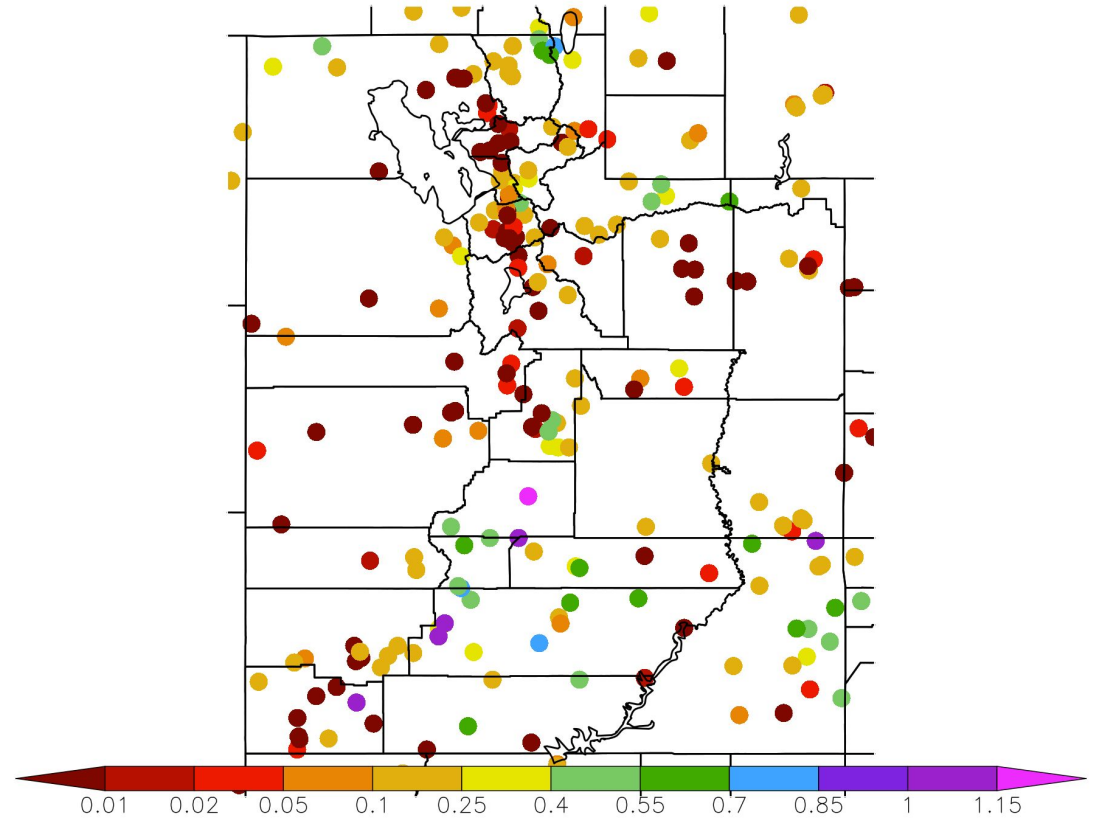
# Precipitation: 14-day station observations

Precipitation (in)  
8/10/2020 - 8/23/2020



# Precipitation: 30-day station observations

Precipitation (in)  
7/25/2020 - 8/23/2020



Generated 8/24/2020 at HPRCC using provisional data.

NOAA Regional Climate Center

Generated 8/24/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers



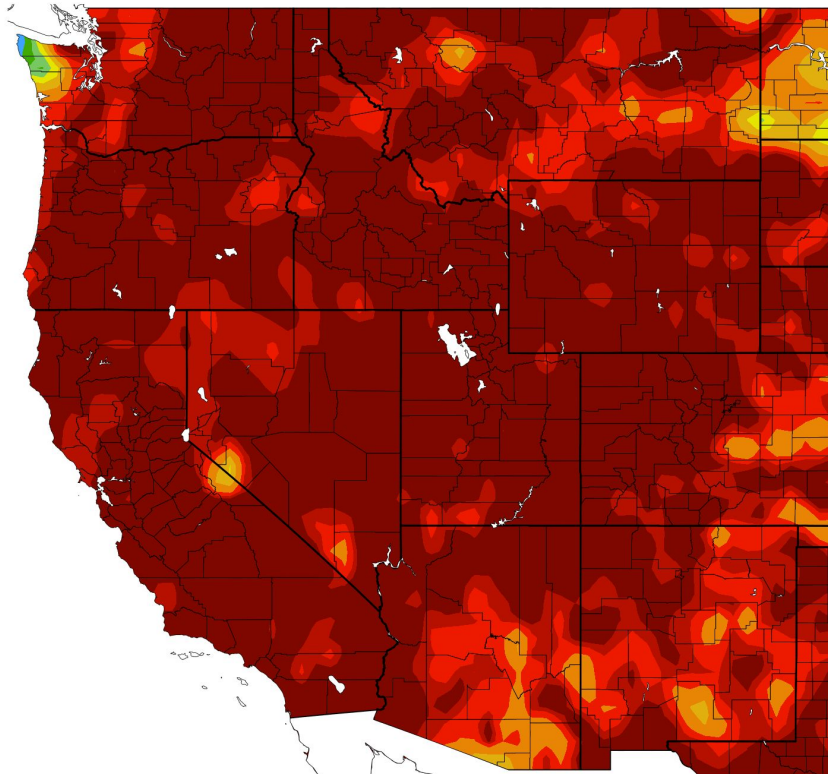
# A new approach to drought monitoring

The UCC has built a machine learning algorithm to monitor social media for posts regarding drought. #utahDrought

Just getting off the ground but will provide a new conduit for real-time drought monitoring information to be collected in one place.

Email: [Simon.wang@usu.edu](mailto:Simon.wang@usu.edu) for details and how to participate. More specific details planned for the next meeting

Precipitation (in)  
8/10/2020 - 8/23/2020

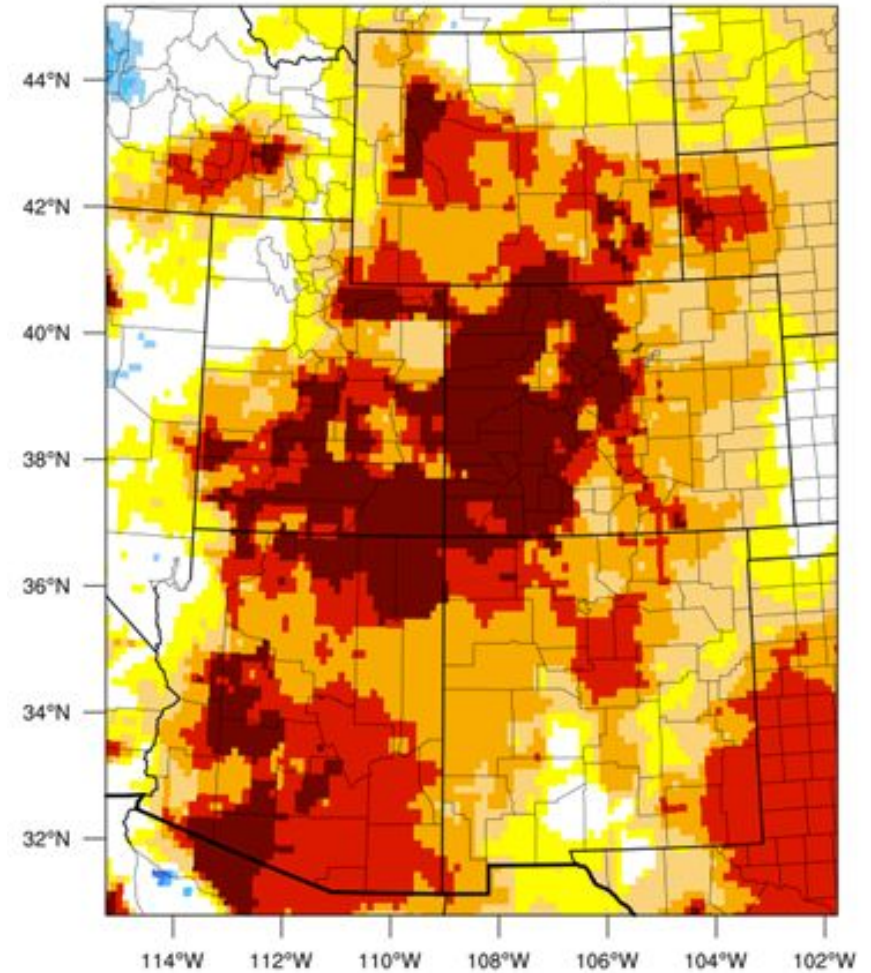


Generated 8/24/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers

Agency - Utah Climate Center  
Presenter - Jon Meyer

2-week EDDI categories for August 19, 2020



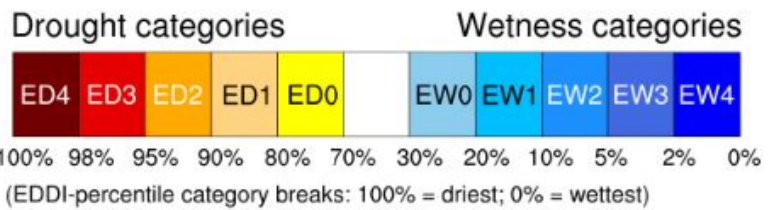
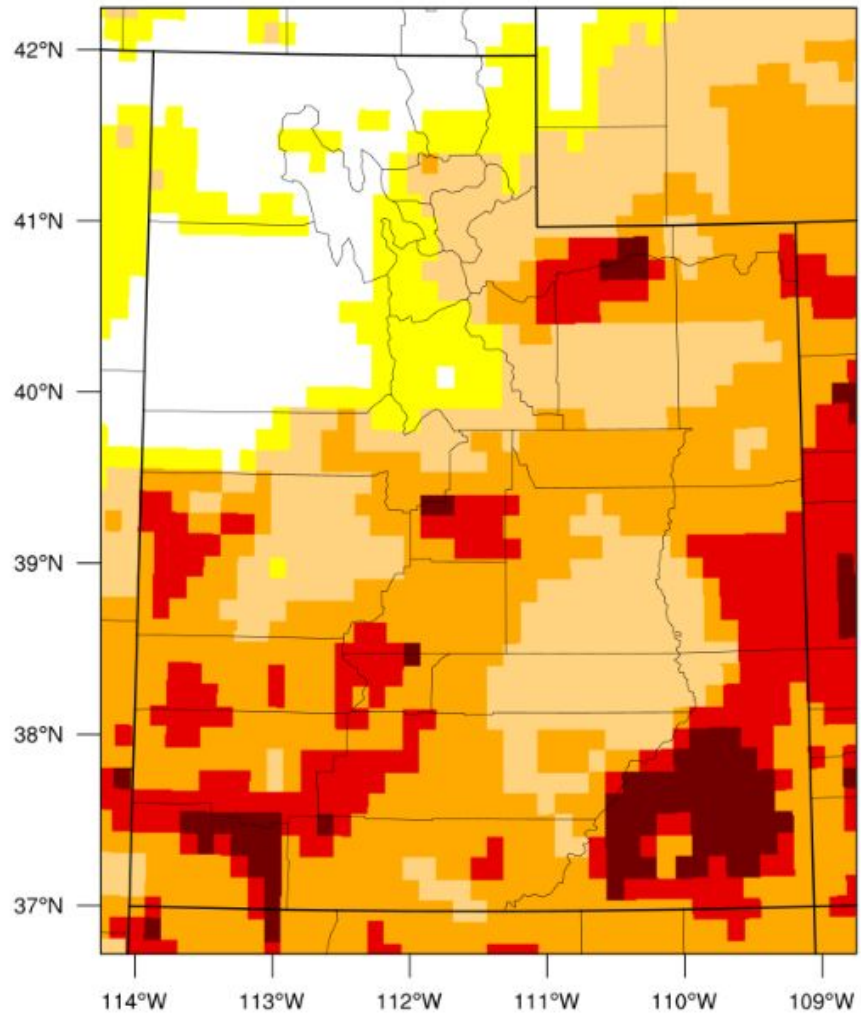
Drought categories

Wetness categories



Generated by NOAA/ESRL/Physical Sciences Laboratory

1-month EDDI categories for August 19, 2020



Generated by NOAA/ESRL/Physical Sciences Laboratory

