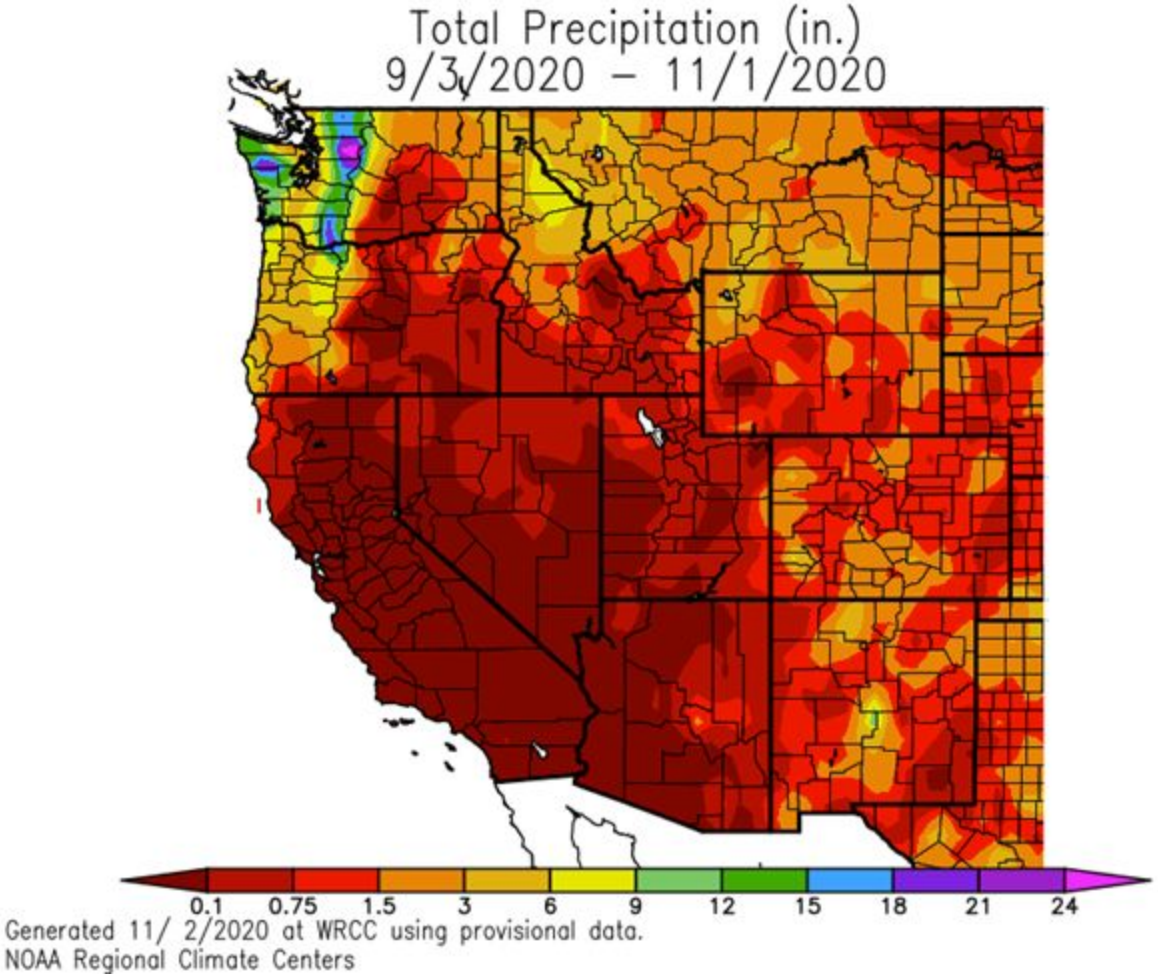
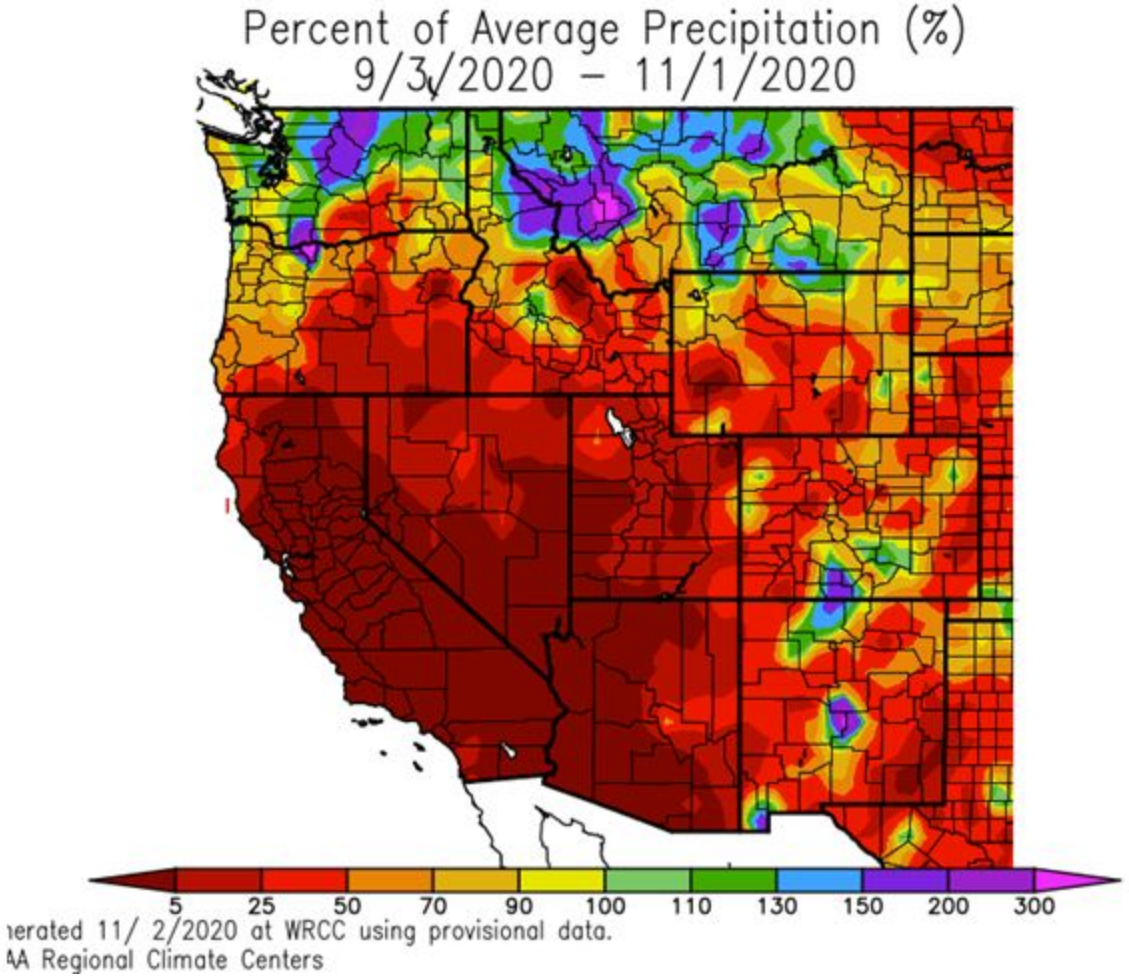
Utah Drought Monitor Webinar

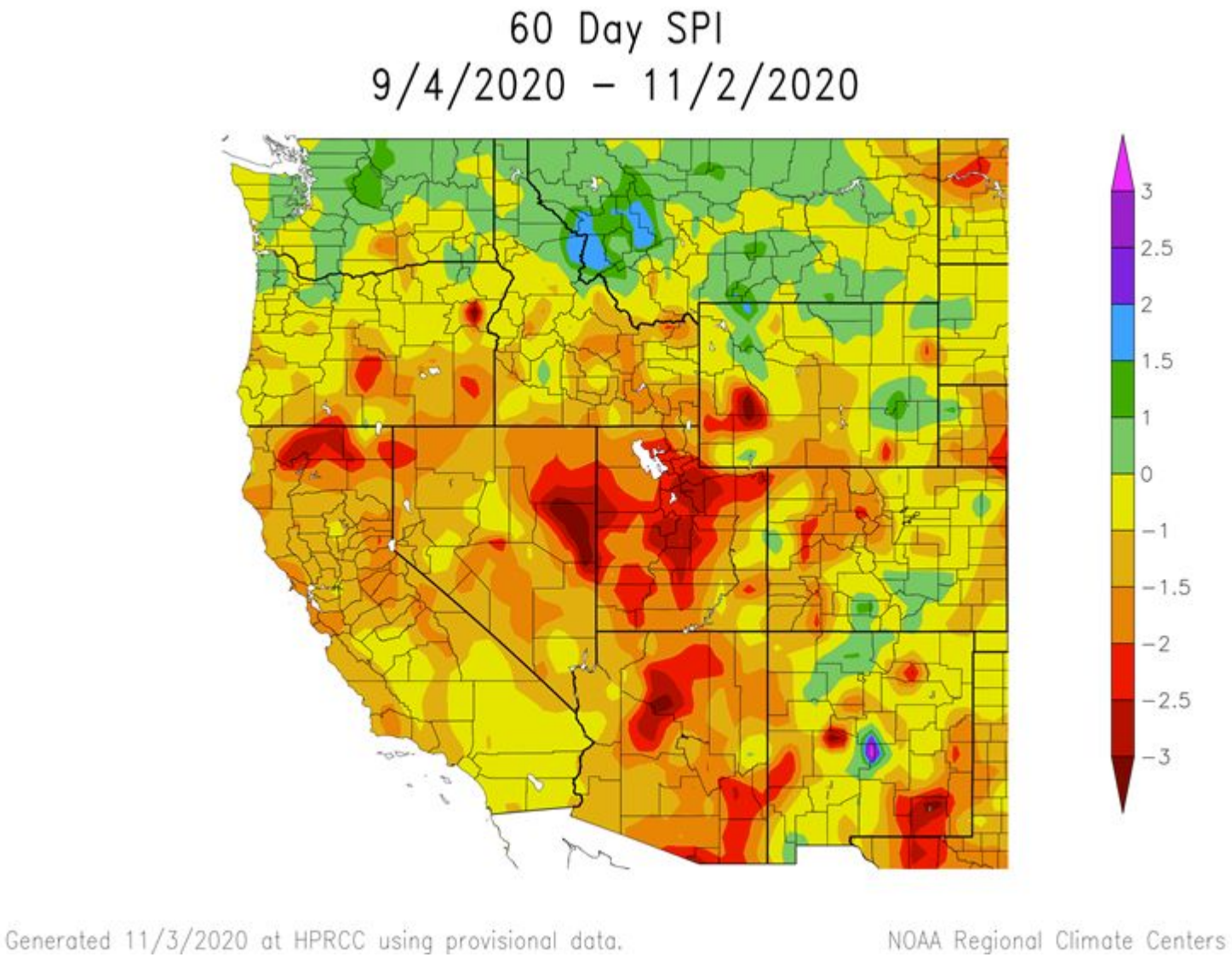
November 3, 2020

Precipitation 60 day history (Percent of Average)



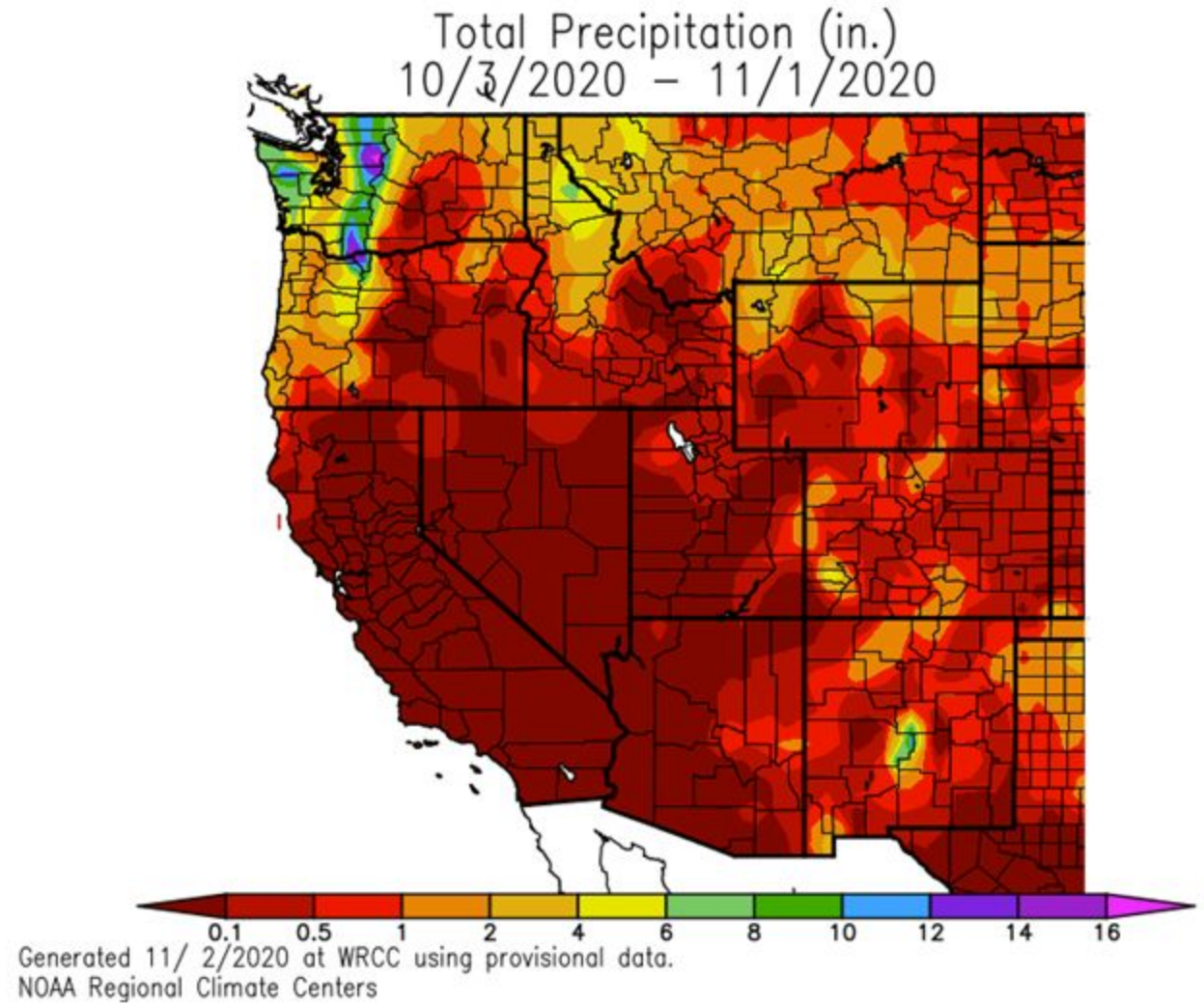


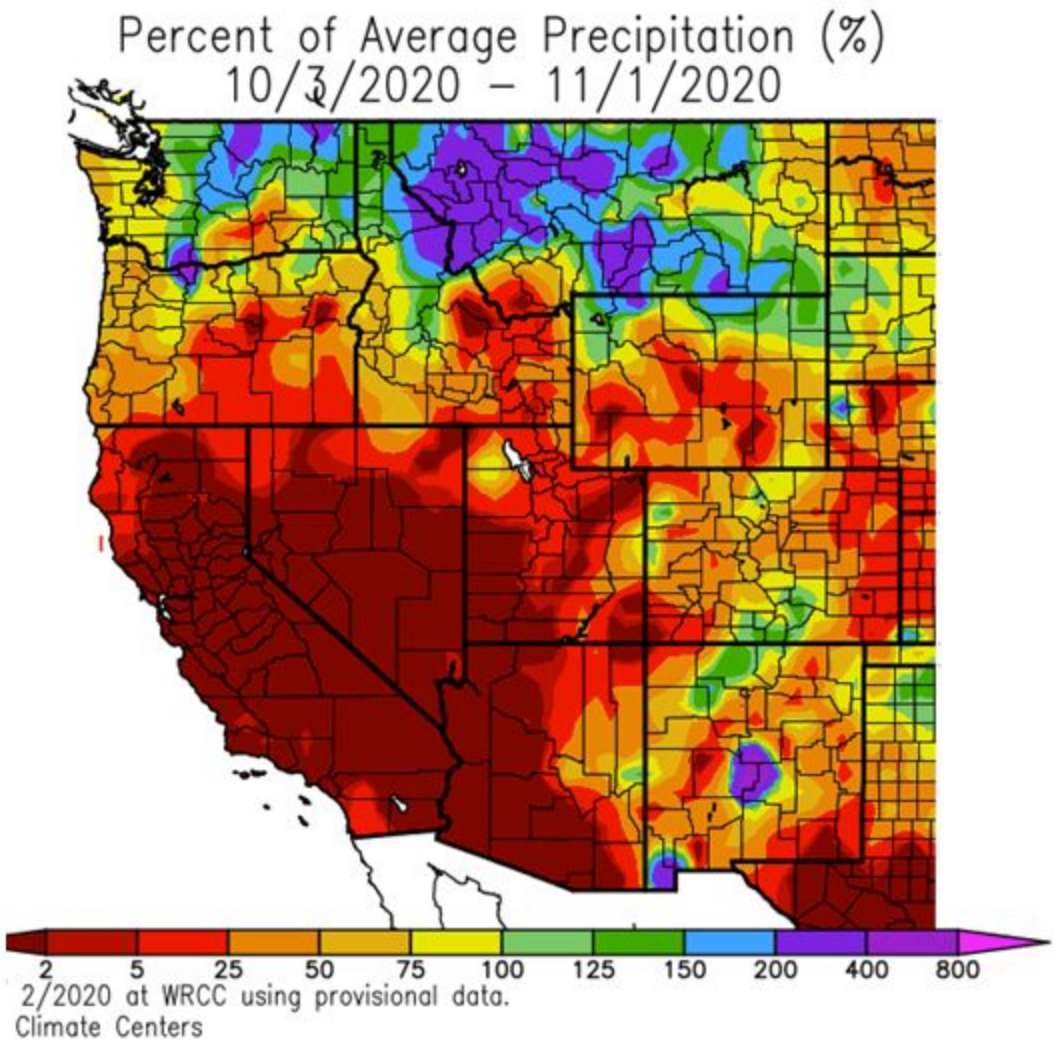
Agency - Utah Climate Center
Presenter - Jon Meyer



Agency -
Presenter -

Precipitation 30 day history (Percent of Average)





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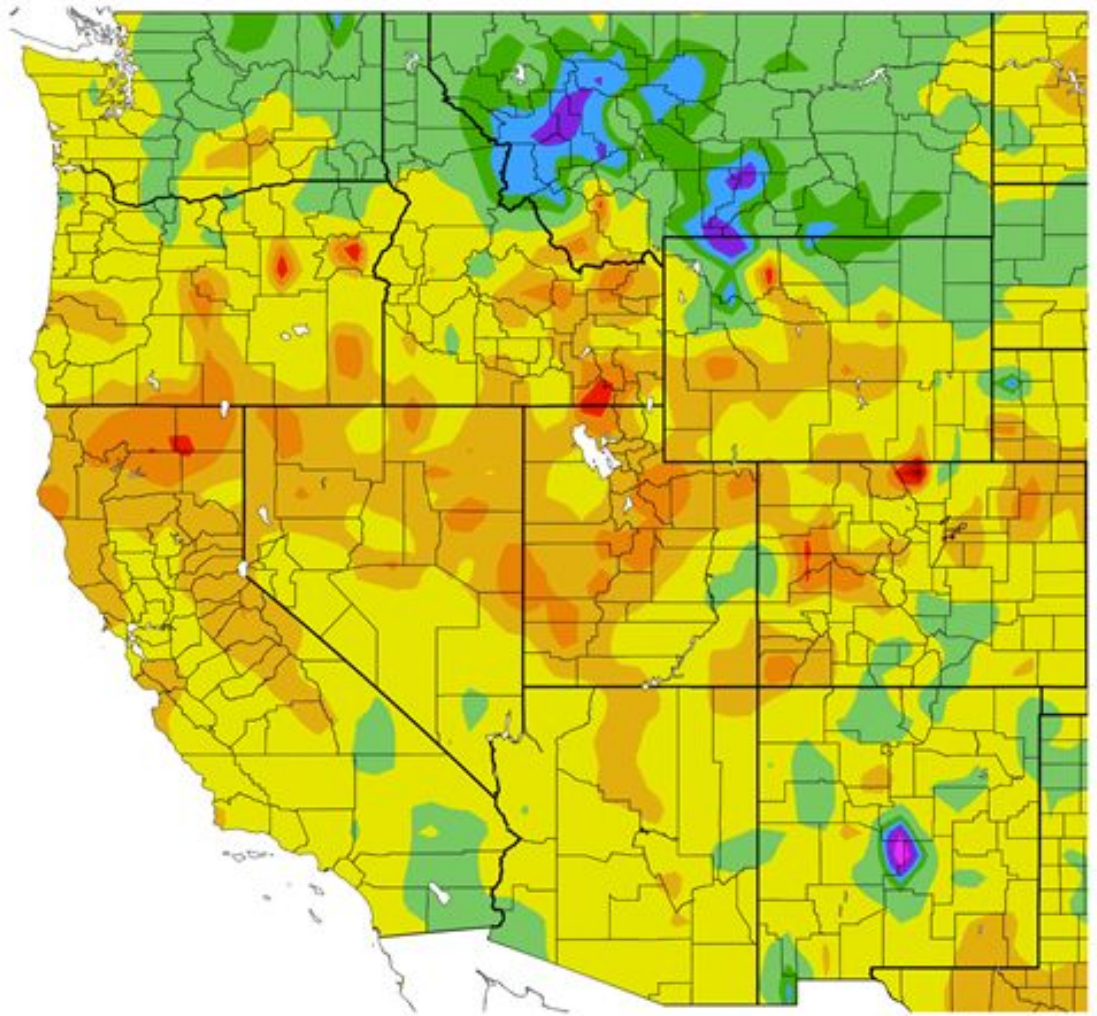
Presenter - Jon Meyer

30 Day SPI
10/4/2020 – 11/2/2020

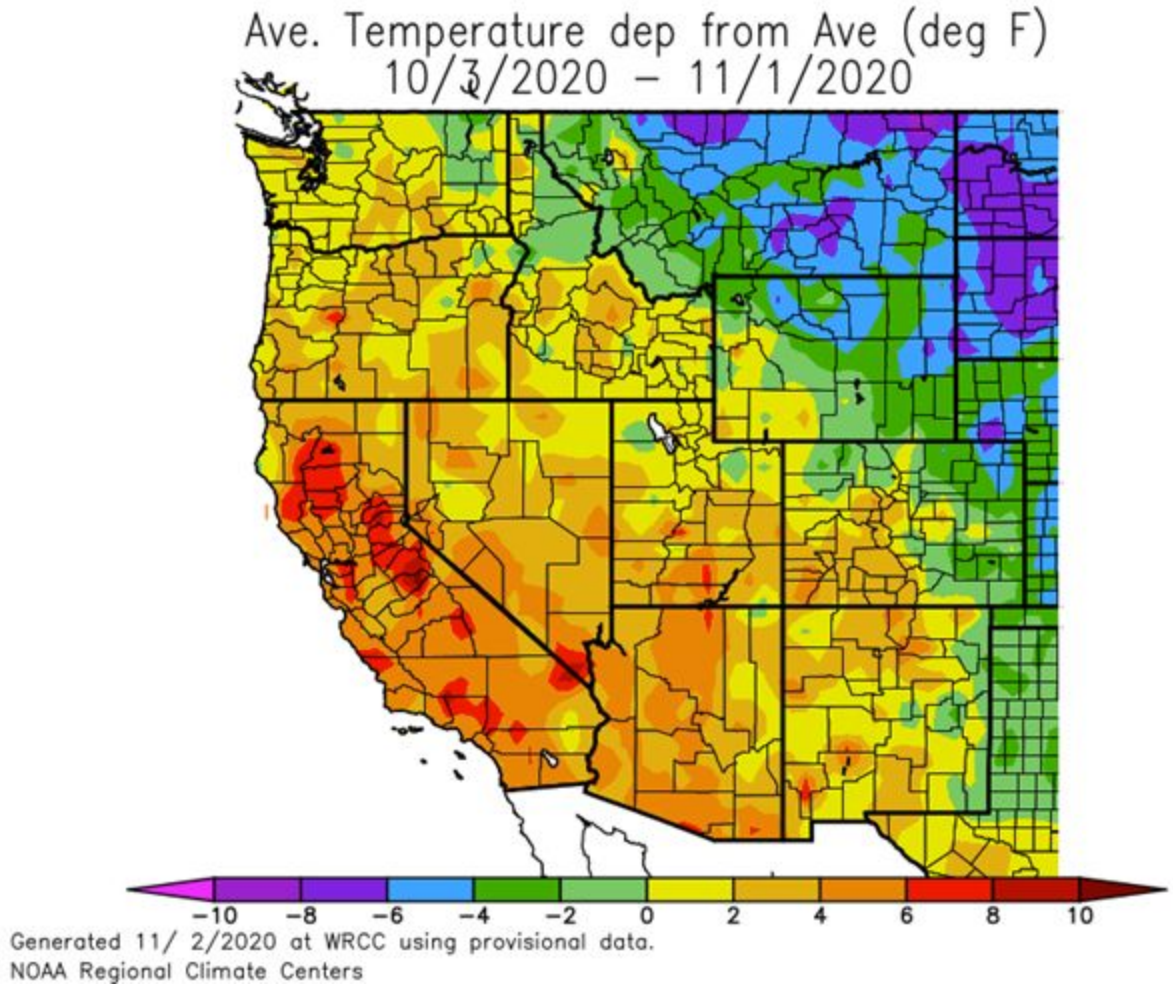


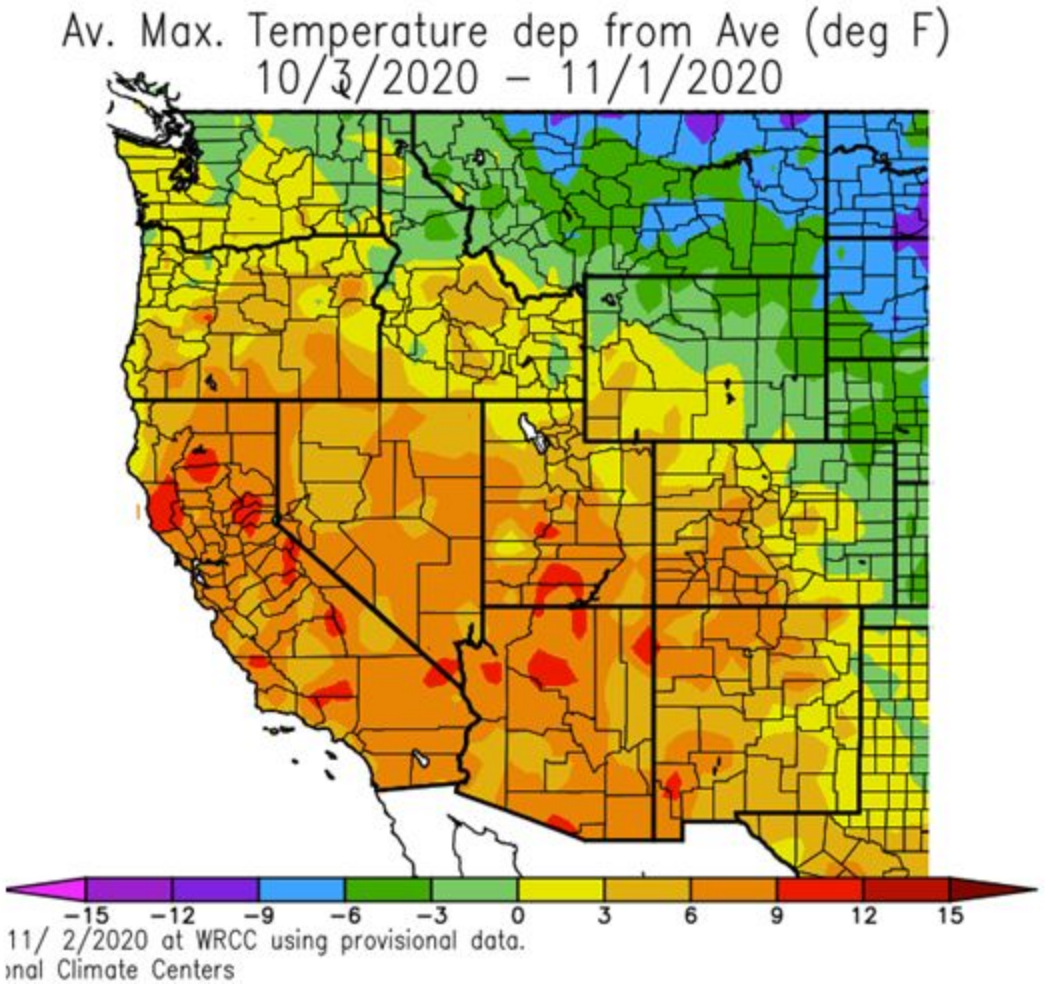
)20 at HPRCC using provisional data.

NOAA Region

Agency -
Presenter -

Temperature 30 day (Related to Average)





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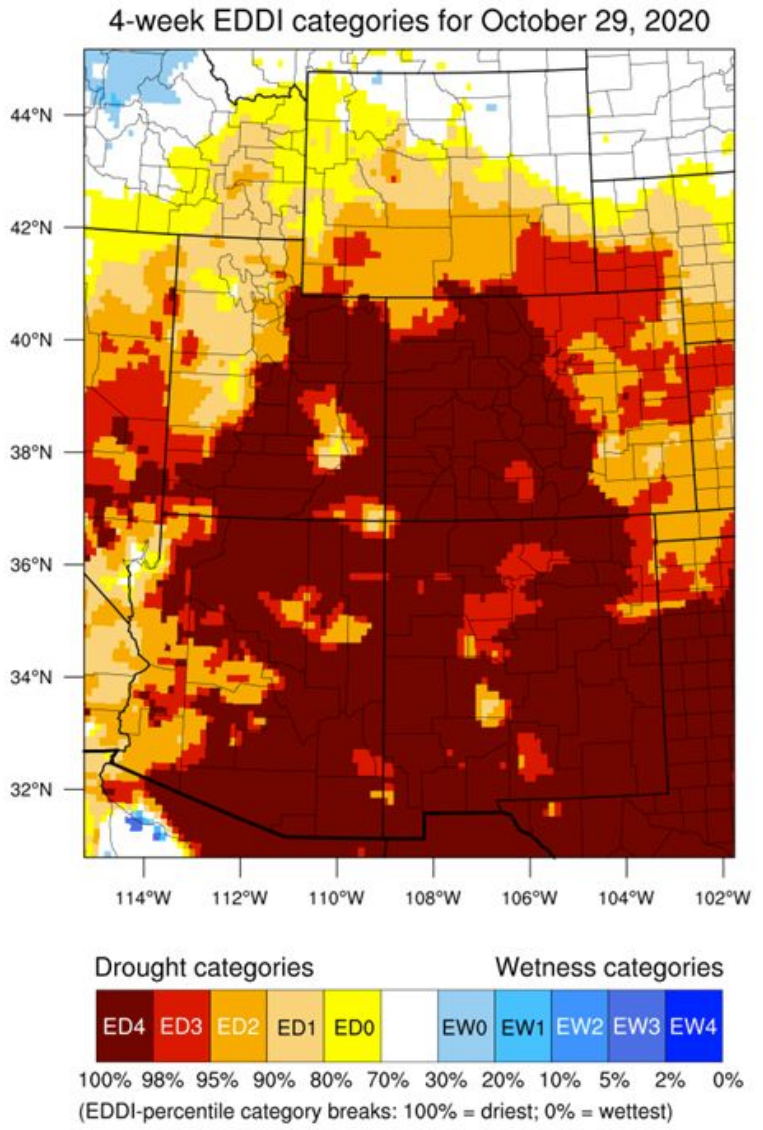
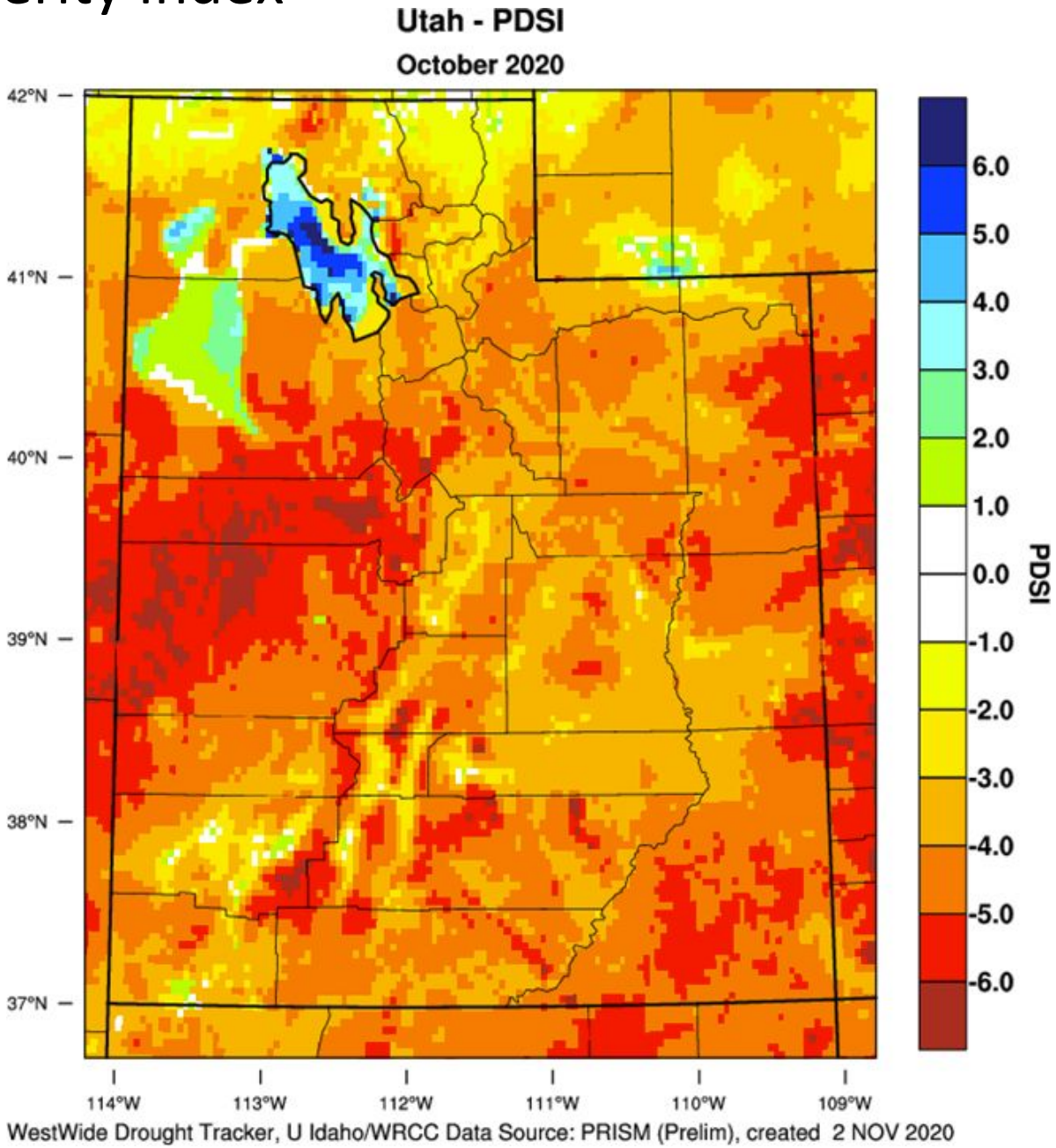
Presenter - Jon Meyer

October(ish) EDDI & Palmer Drought Severity Index





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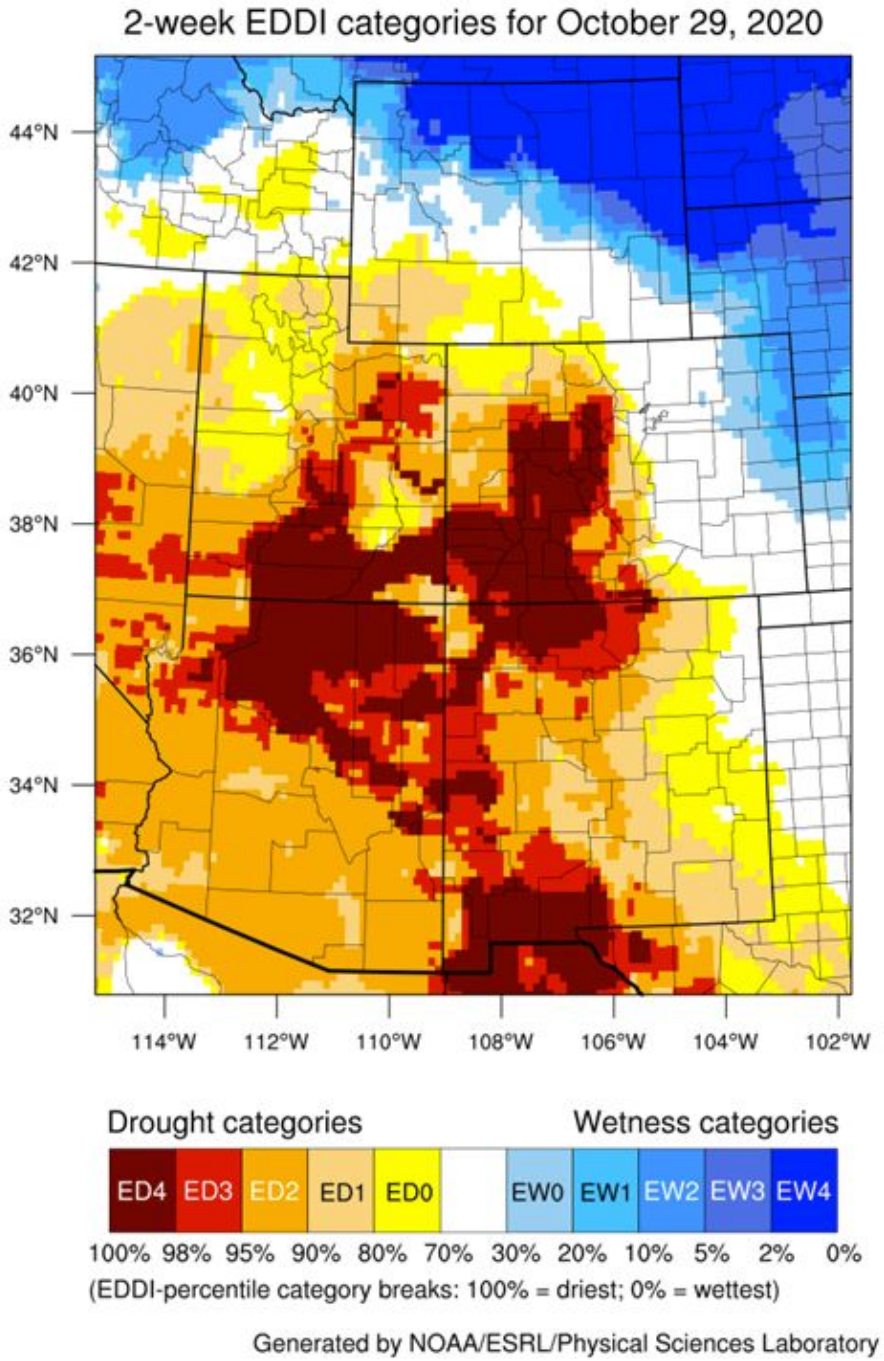
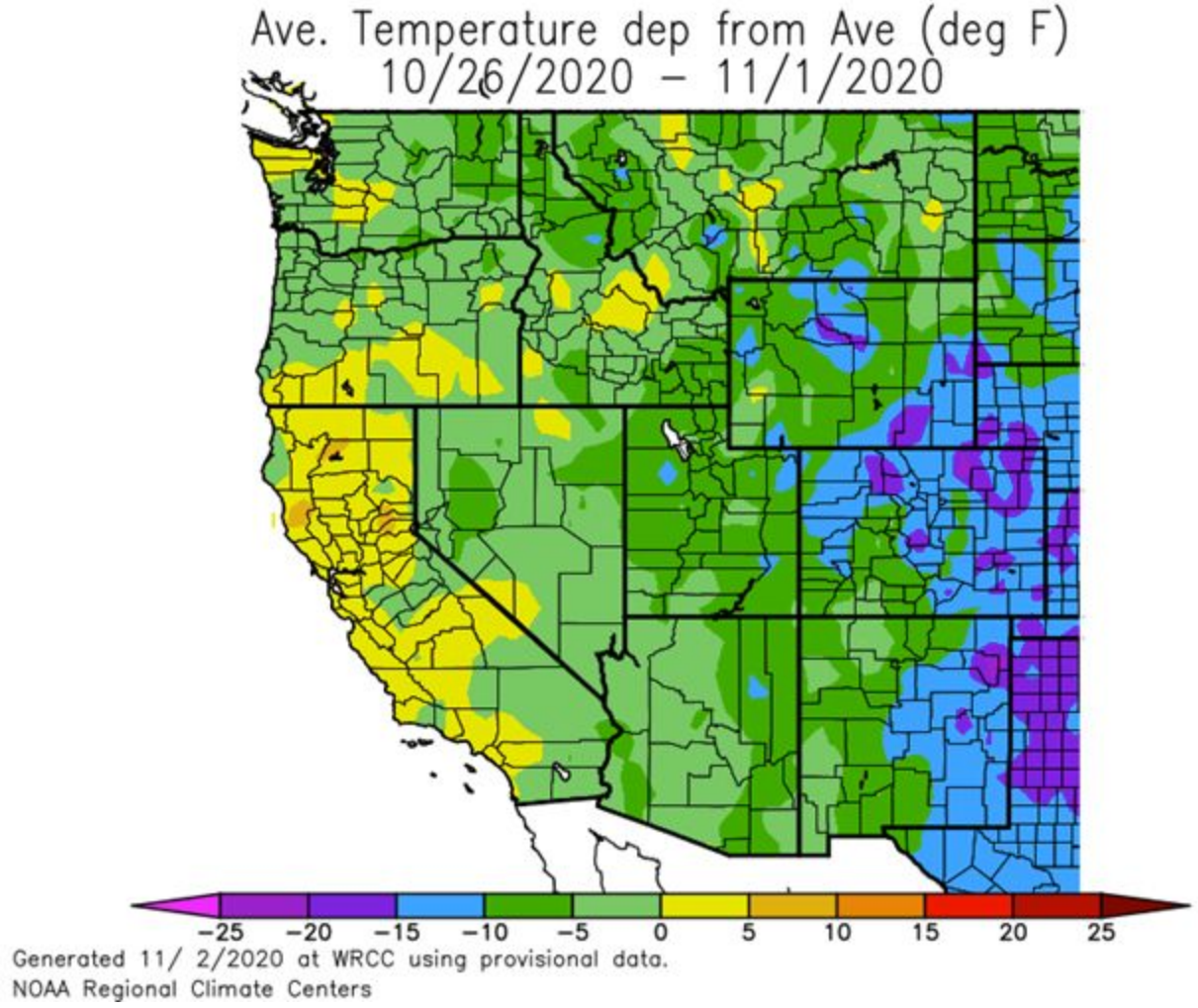
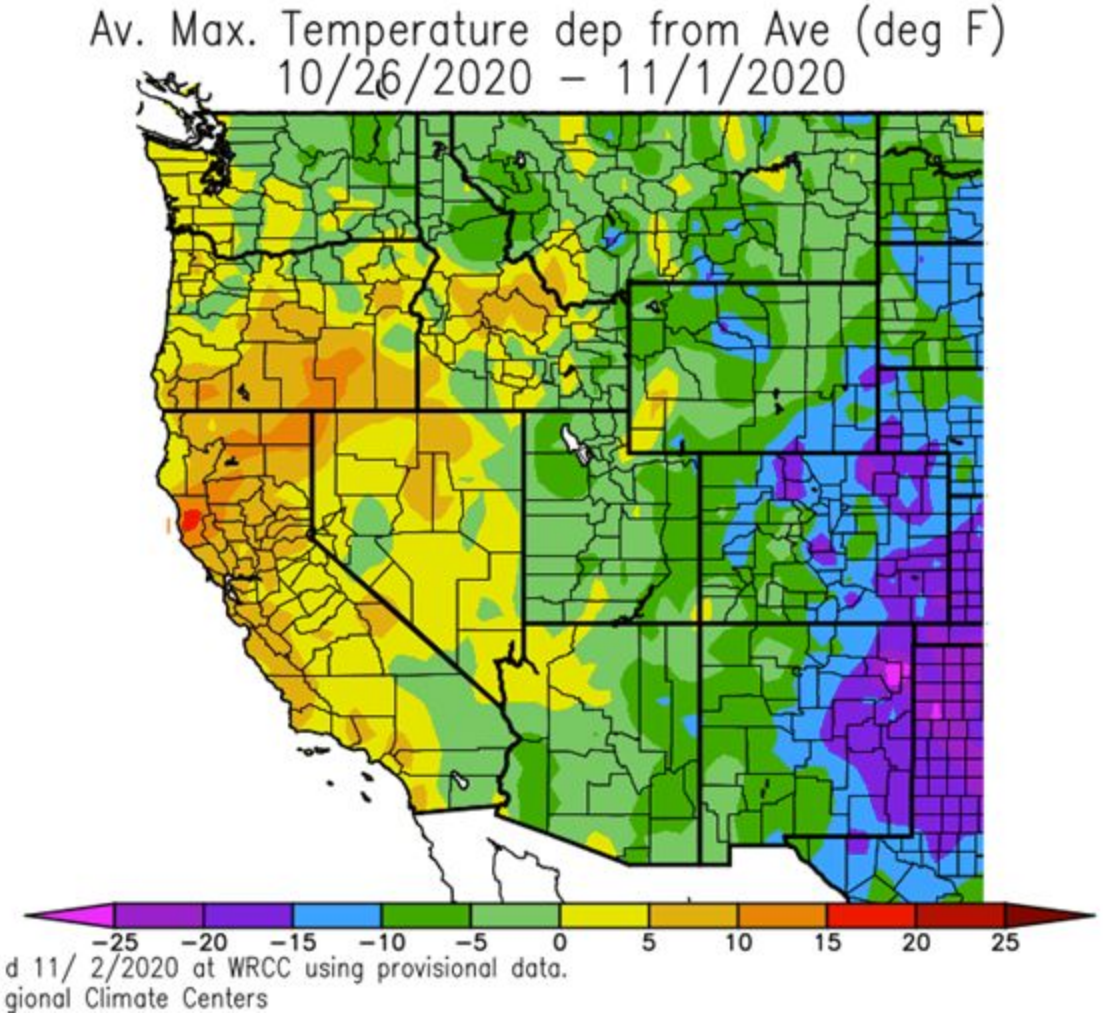


Agency - Utah Climate Center
Presenter - Jon Meyer

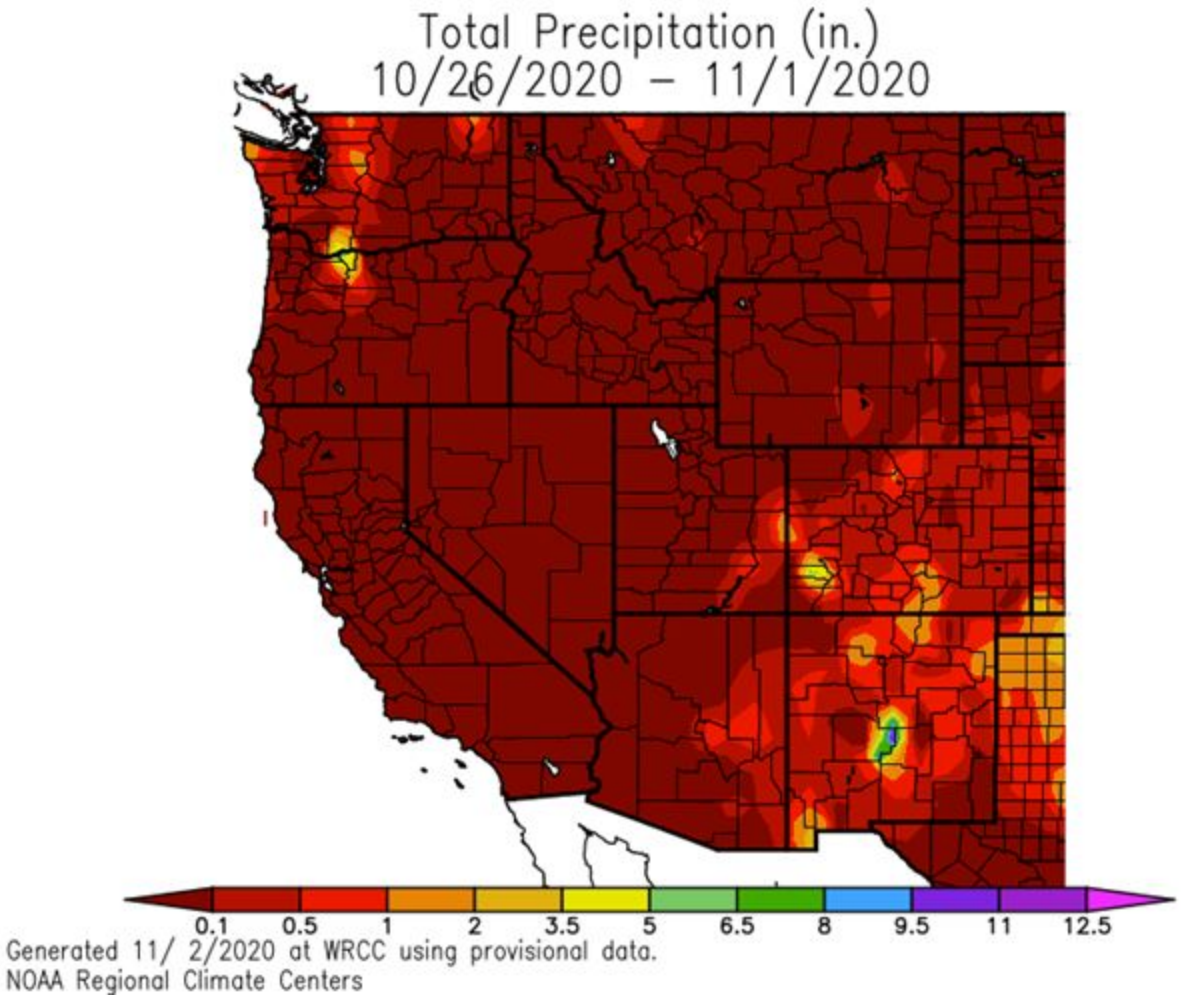
Temperature 7 day (Related to Average)

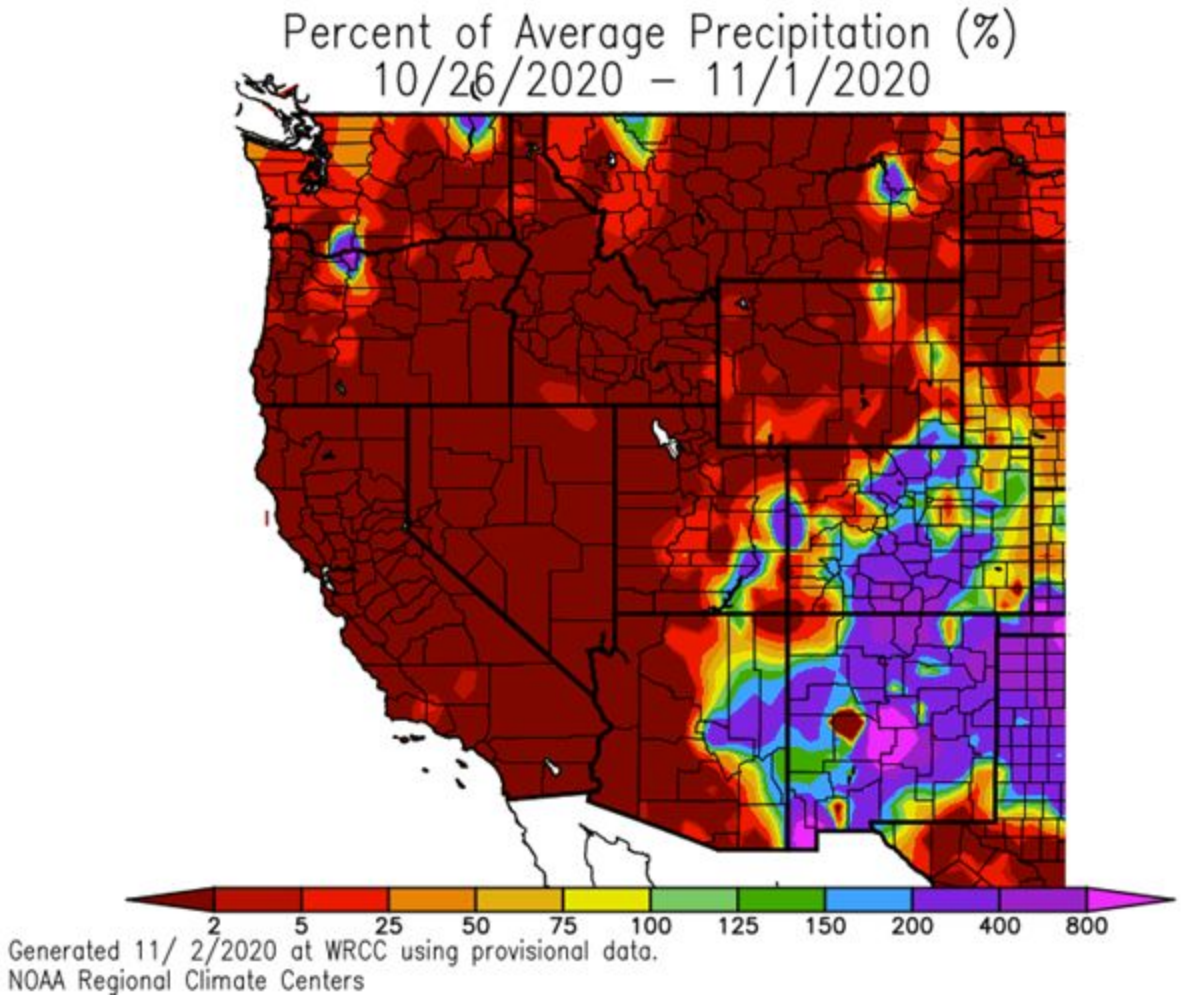




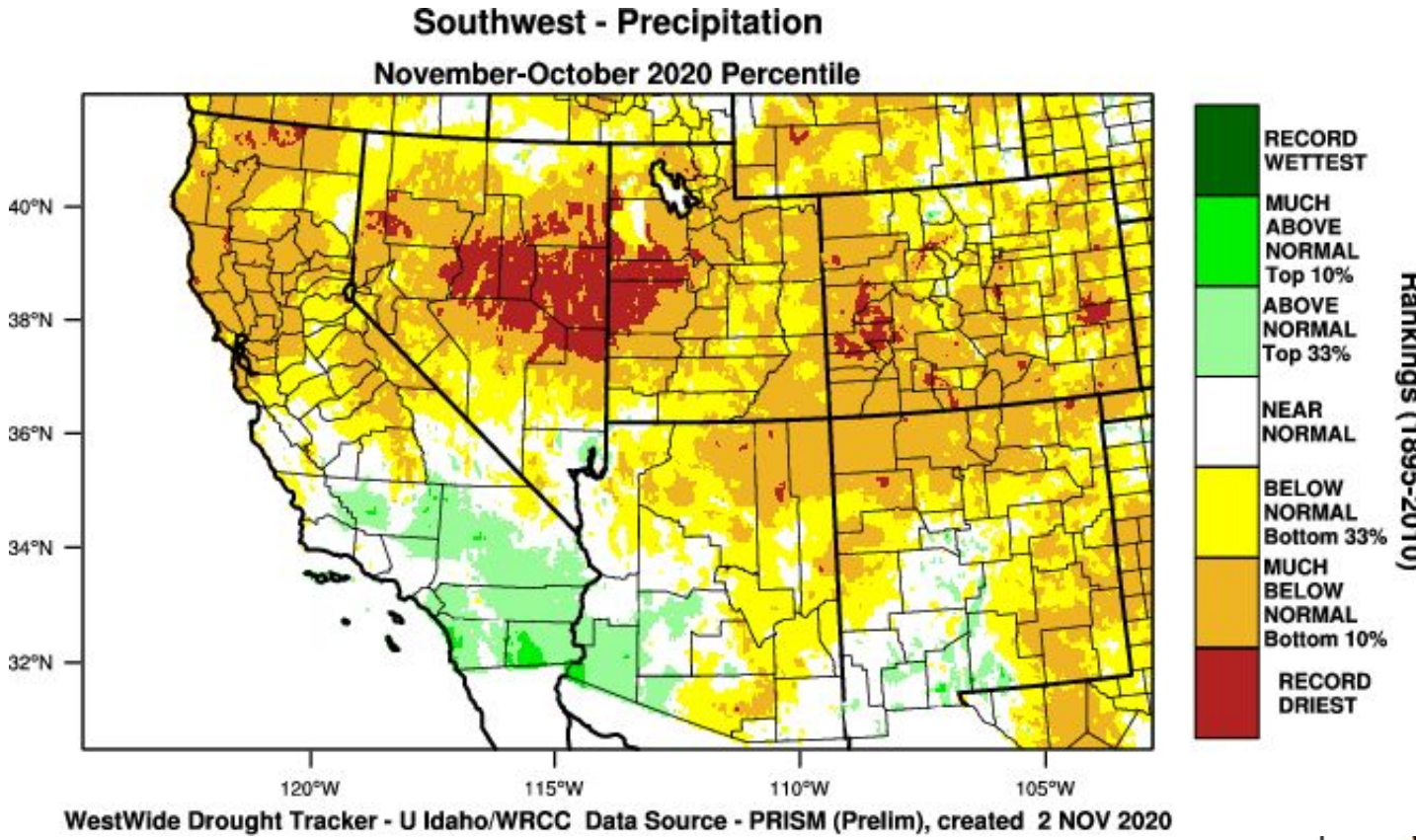
Agency - Utah Climate Center
Presenter - Jon Meyer

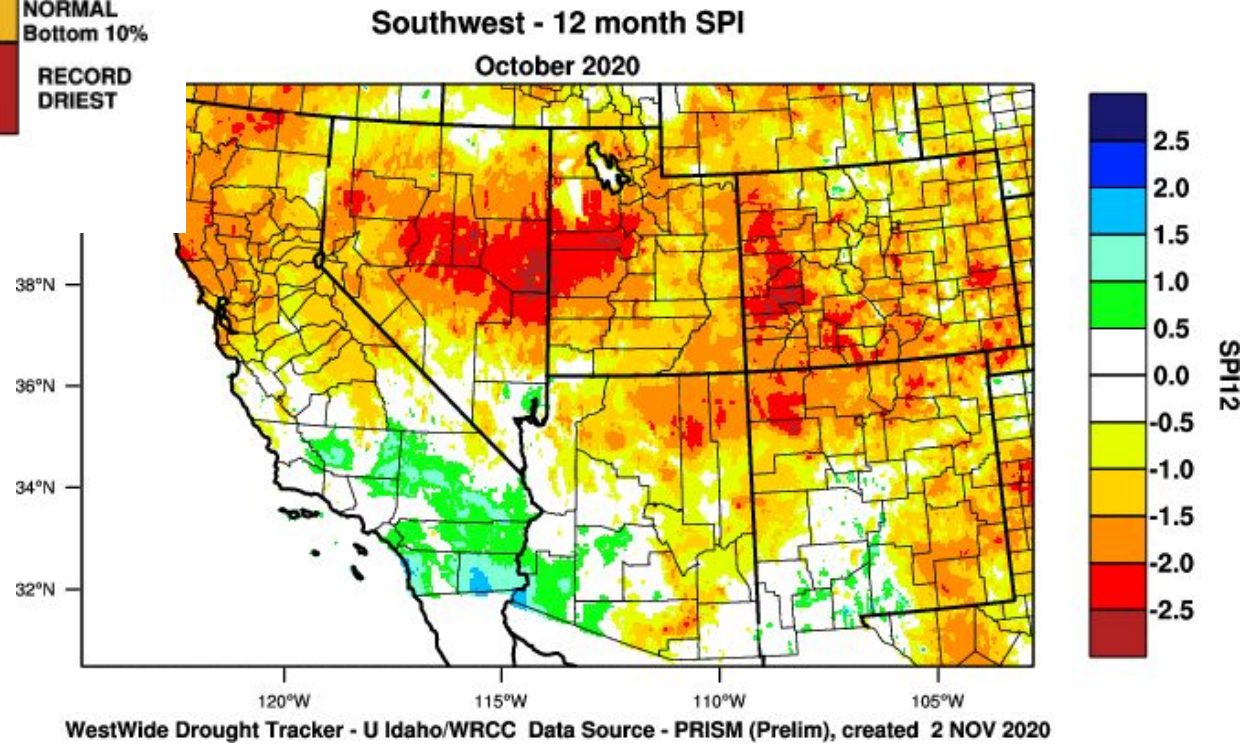
Precipitation 7 day history (Percent of Average)





Agency - Utah Climate Center
Presenter - Jon Meyer



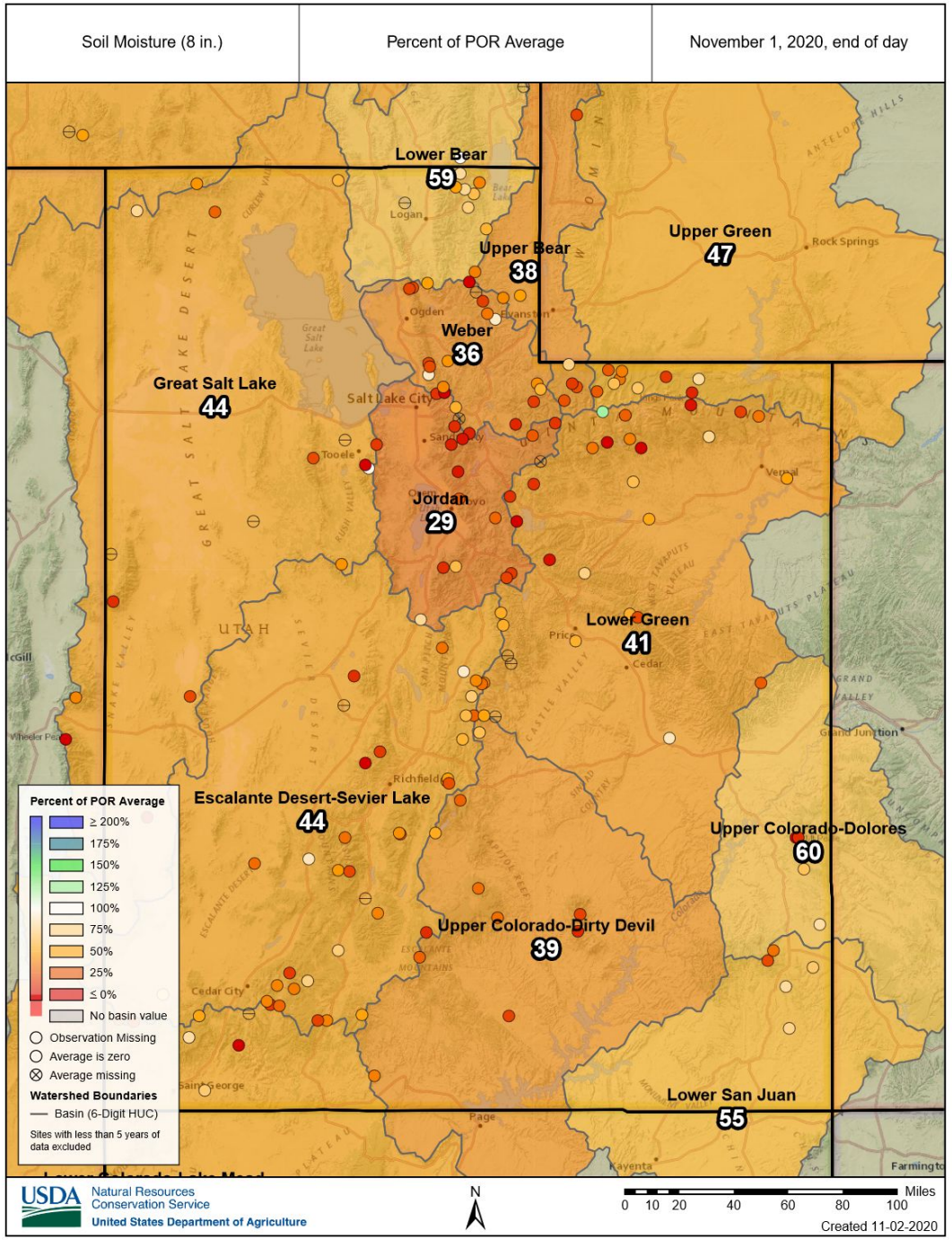


Agency - Utah Climate Center
Presenter - Jon Meyer

Soil Moisture (Current)

SNOTEL & SCAN data combined
8” sensor depth
basin data combined with point data

(note that green dot in Uinta Mtns is bad data pt)

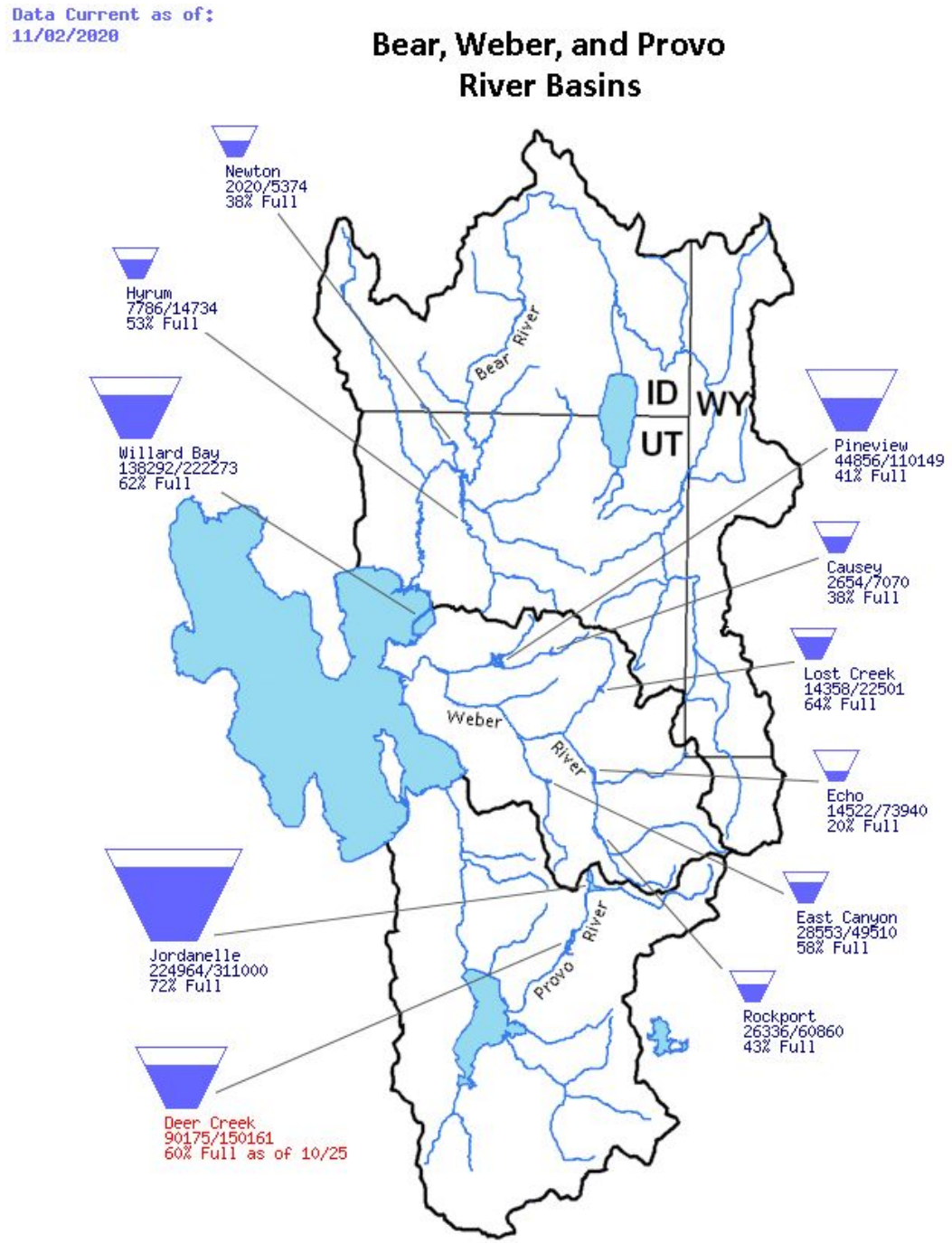


Agency - NRCS Snow Survey
Presenter - Jordan Clayton

Bear River Basin: moving water around, Newton up but Hyrum down. Willard Bay down 2% in last month.

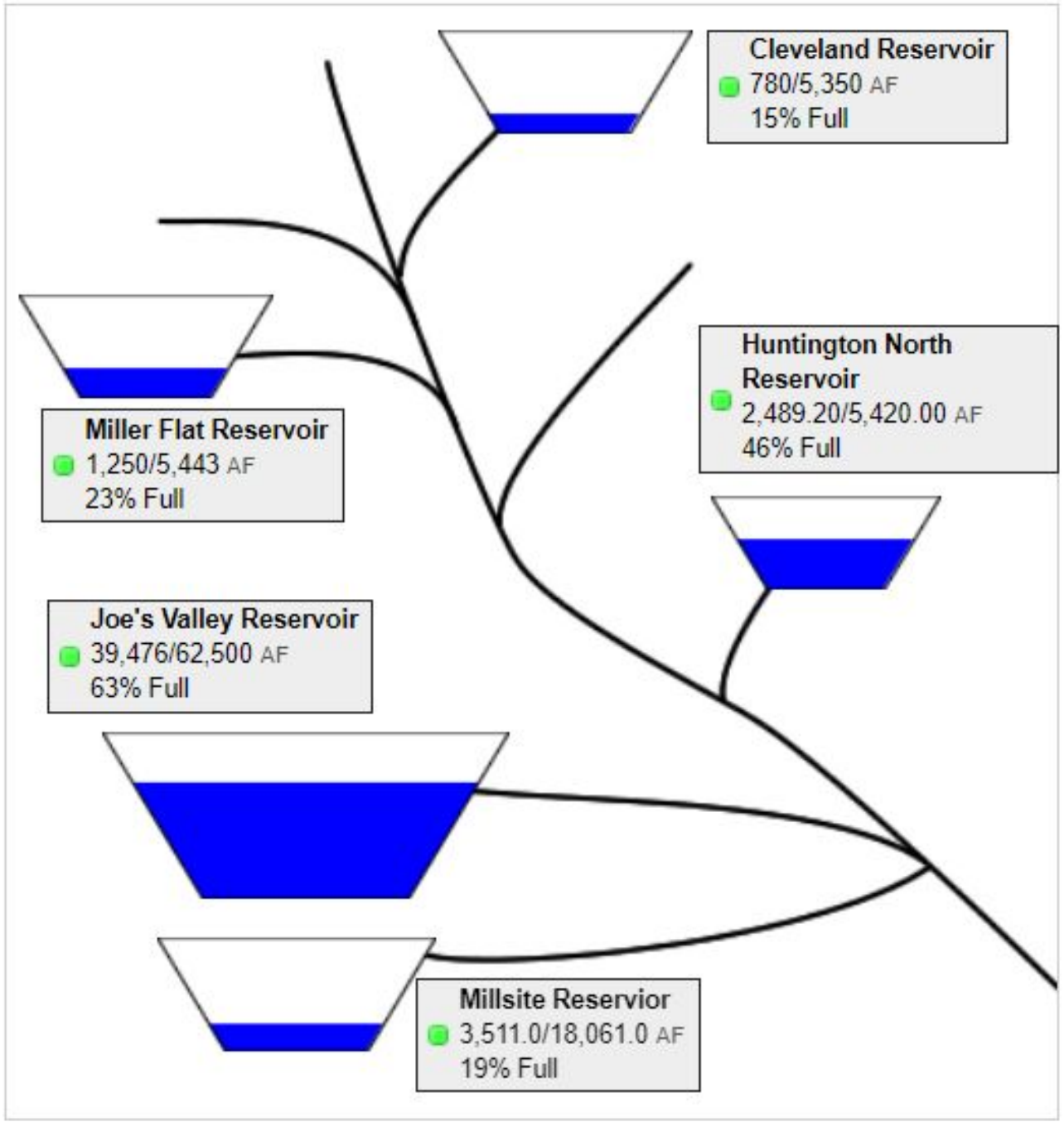
Weber River Basin: generally gone down up to 1-3% in the last month.

Provo River Basin: generally gone down 2% in last two weeks.



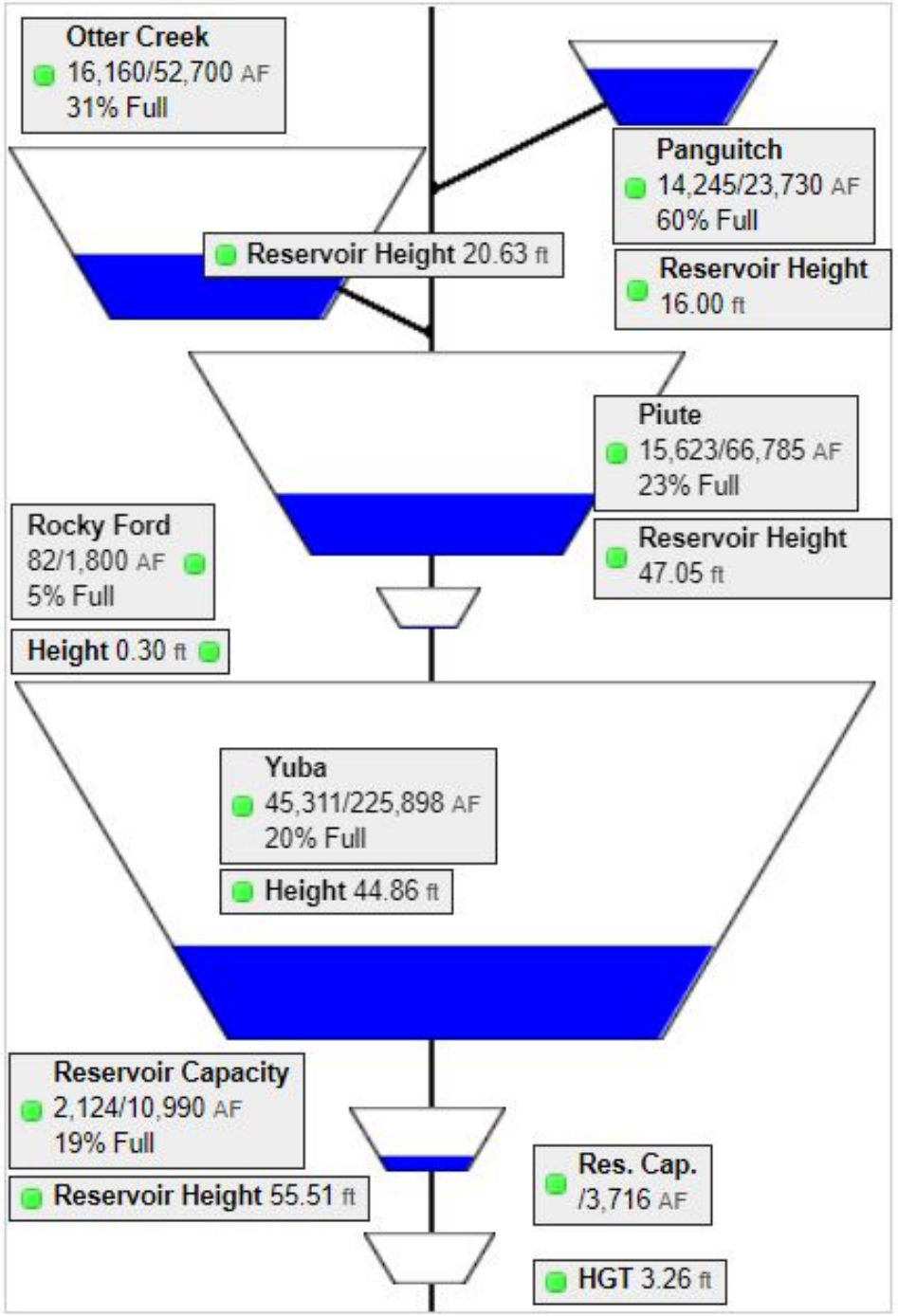
Agency - Bureau of Reclamation
Presenter - Laura Haskell

In the last month:
Basin storage has stayed about the same



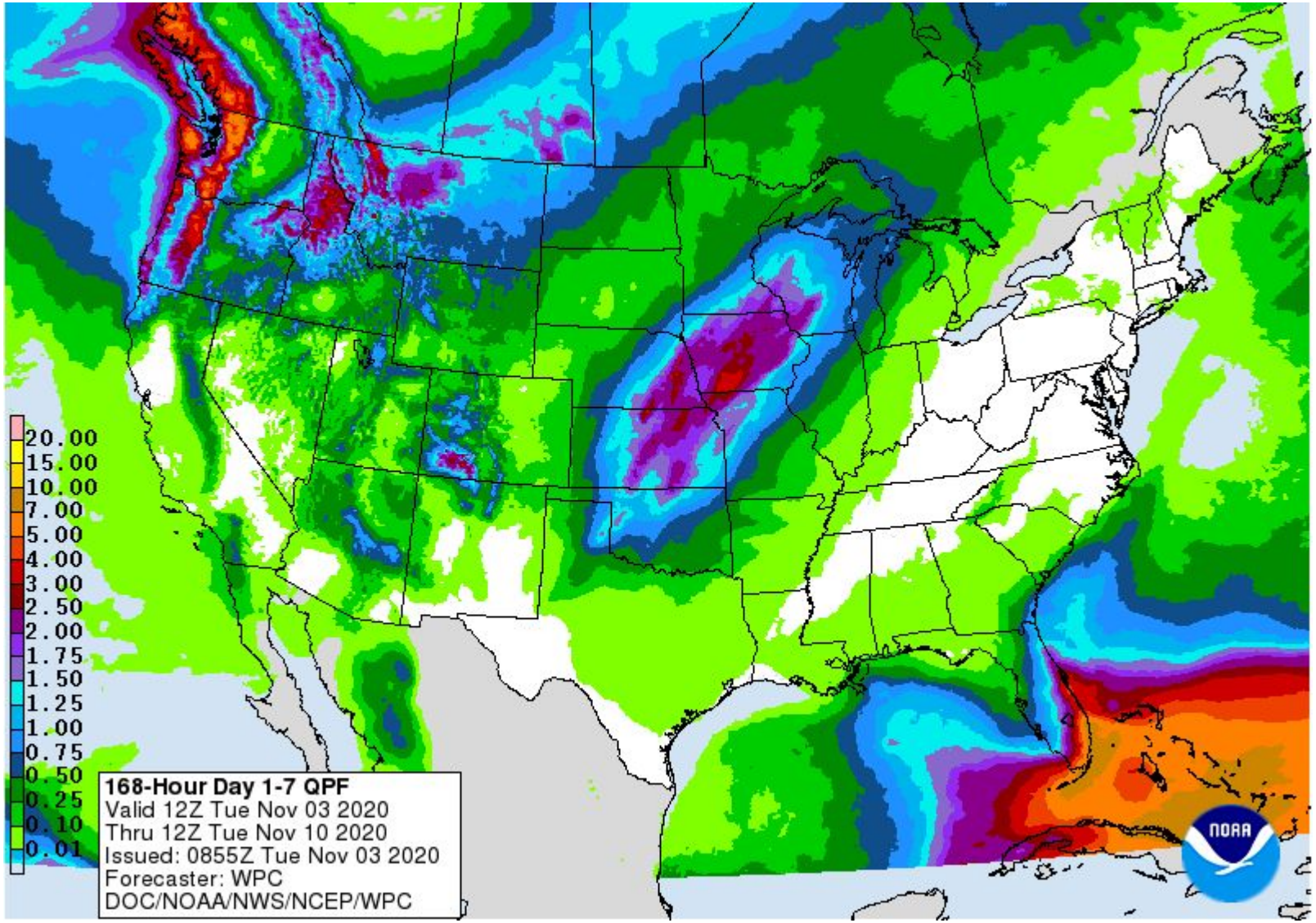
Agency - Emery Water Conservancy District Data
Presenter - Laura Haskell

In the last month:
Basin storage has stayed about the same

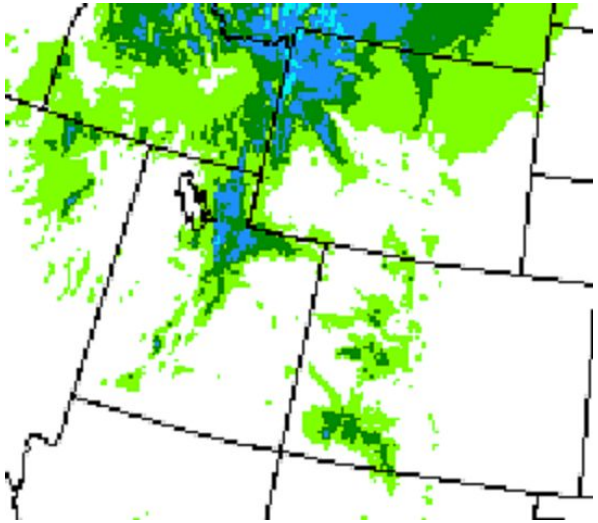


Agency - Emery Water Conservancy District Data
Presenter - Laura Haskell

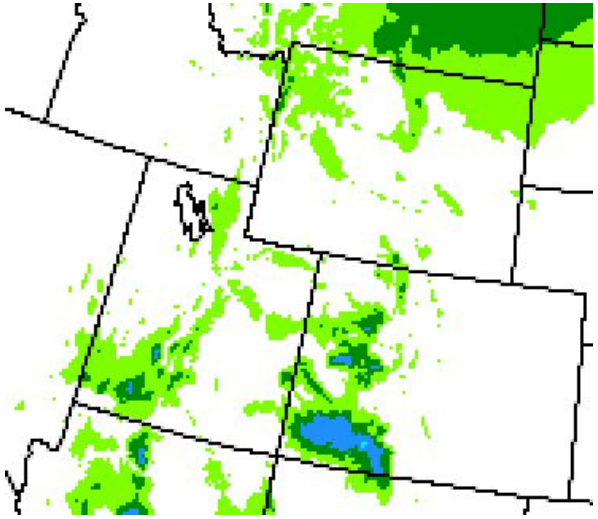
Weather Forecast Office Utah Day 1-7 Outlook



Probability of exceeding 0.25 inches of liquid



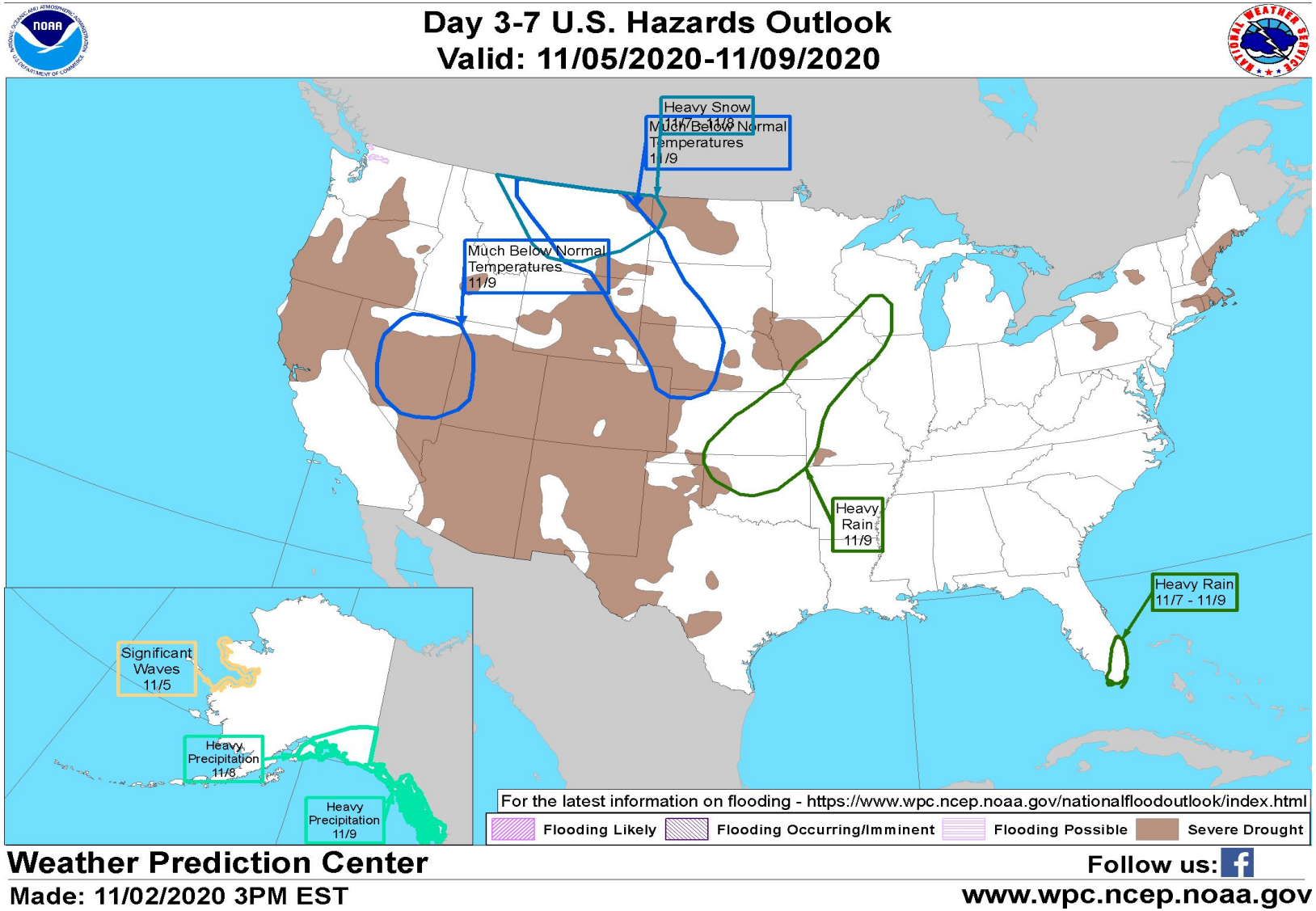
Sat



Sun

Agency - National Weather Service Weather Forecast Office
Presenter - Aldis Strautins

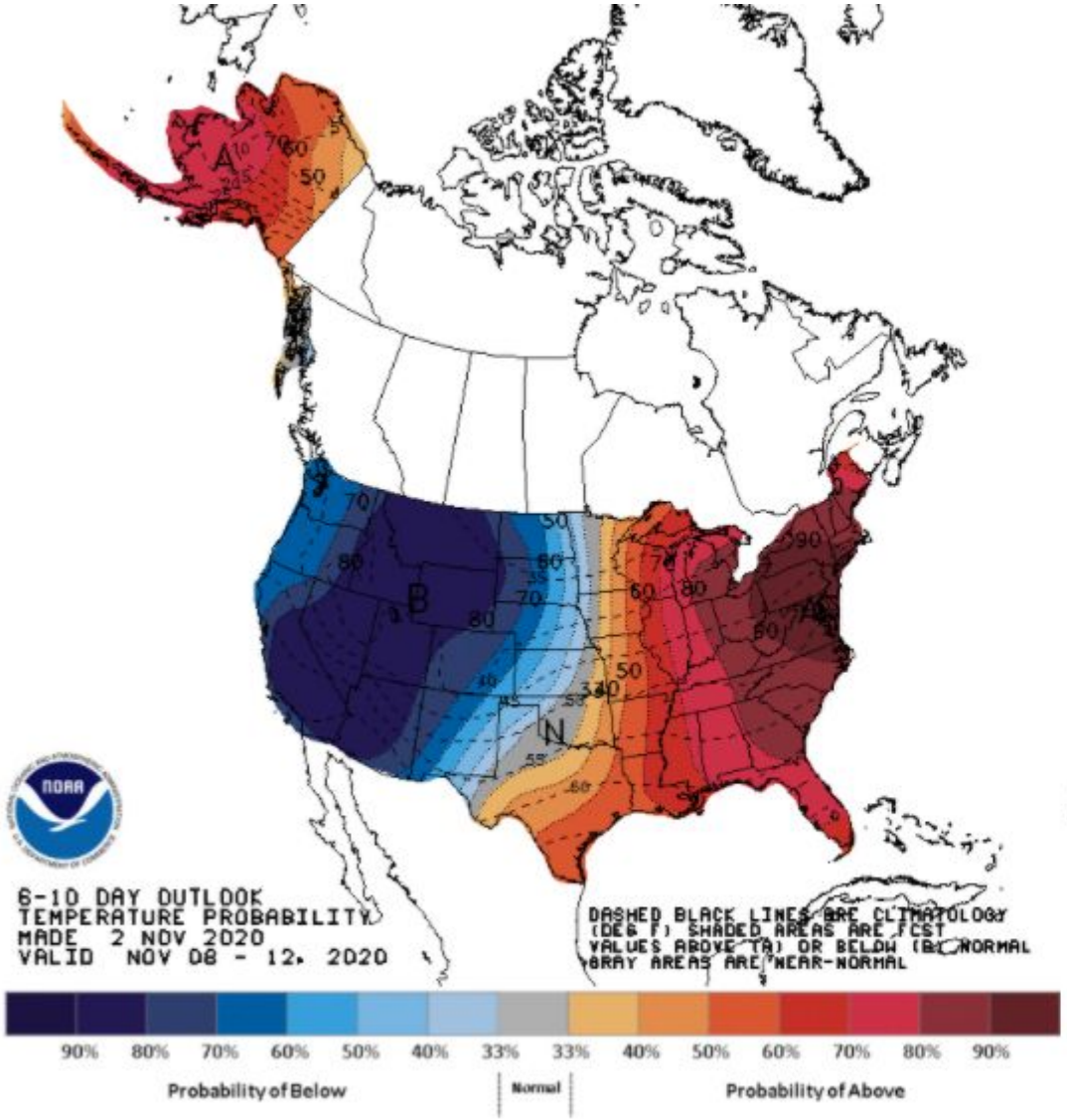
Weather Prediction Center U.S. Day 3-7 Hazards Outlook

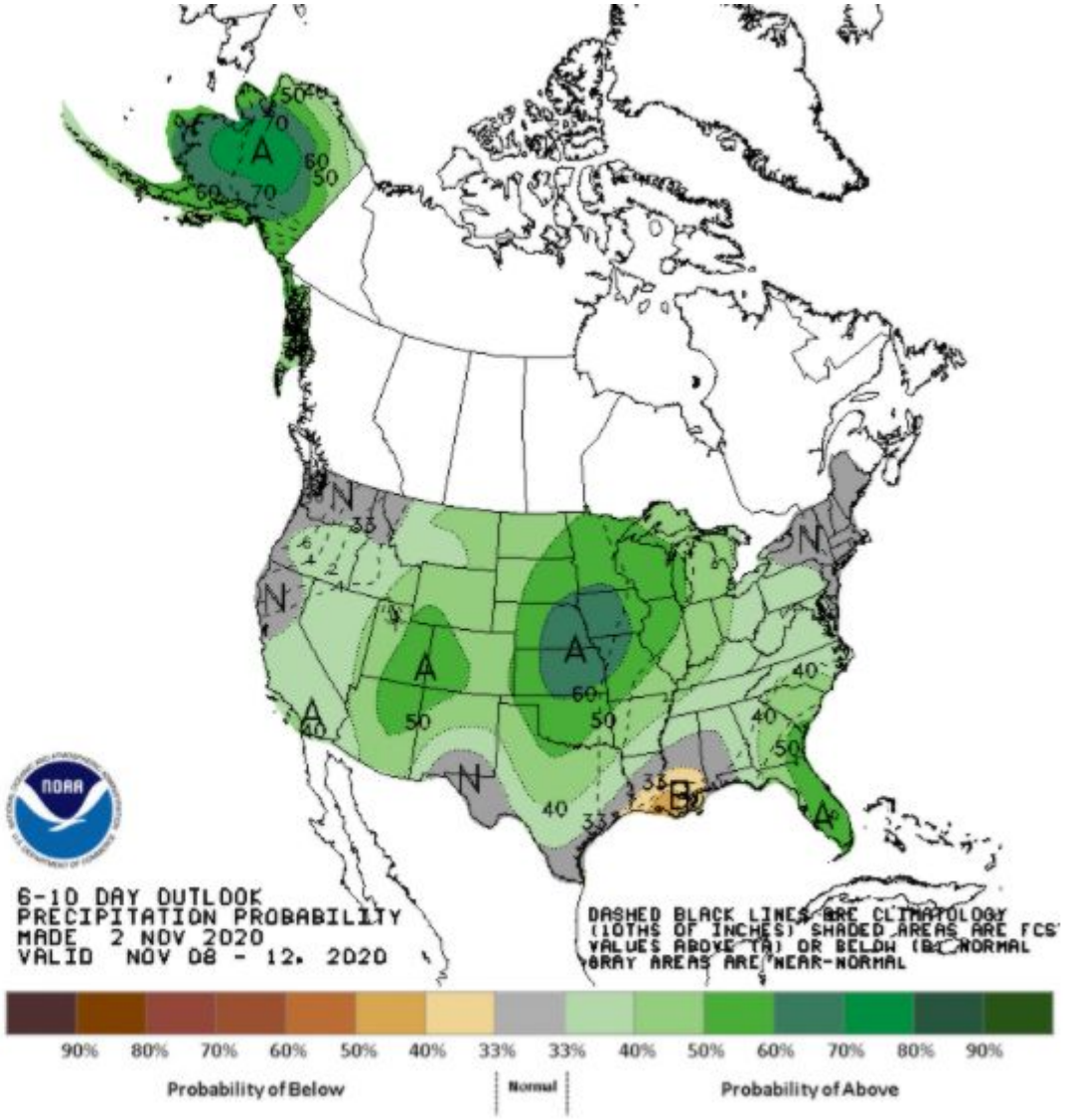


Agency - National Weather Service Weather Forecast Office

Presenter - Aldis Strautins

Climate Prediction Center 6 to 10 Day Outlooks - Nov 8-12

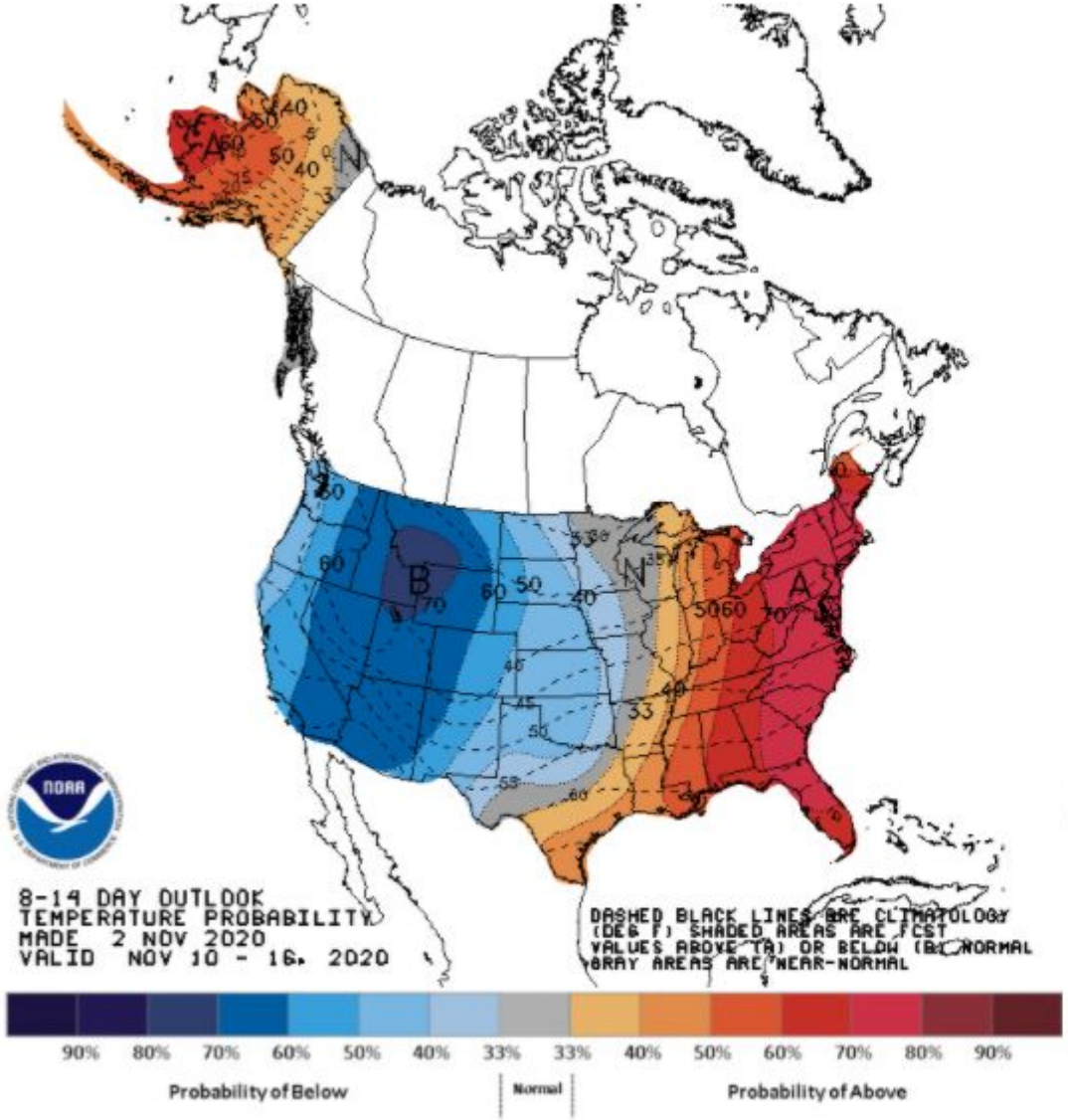


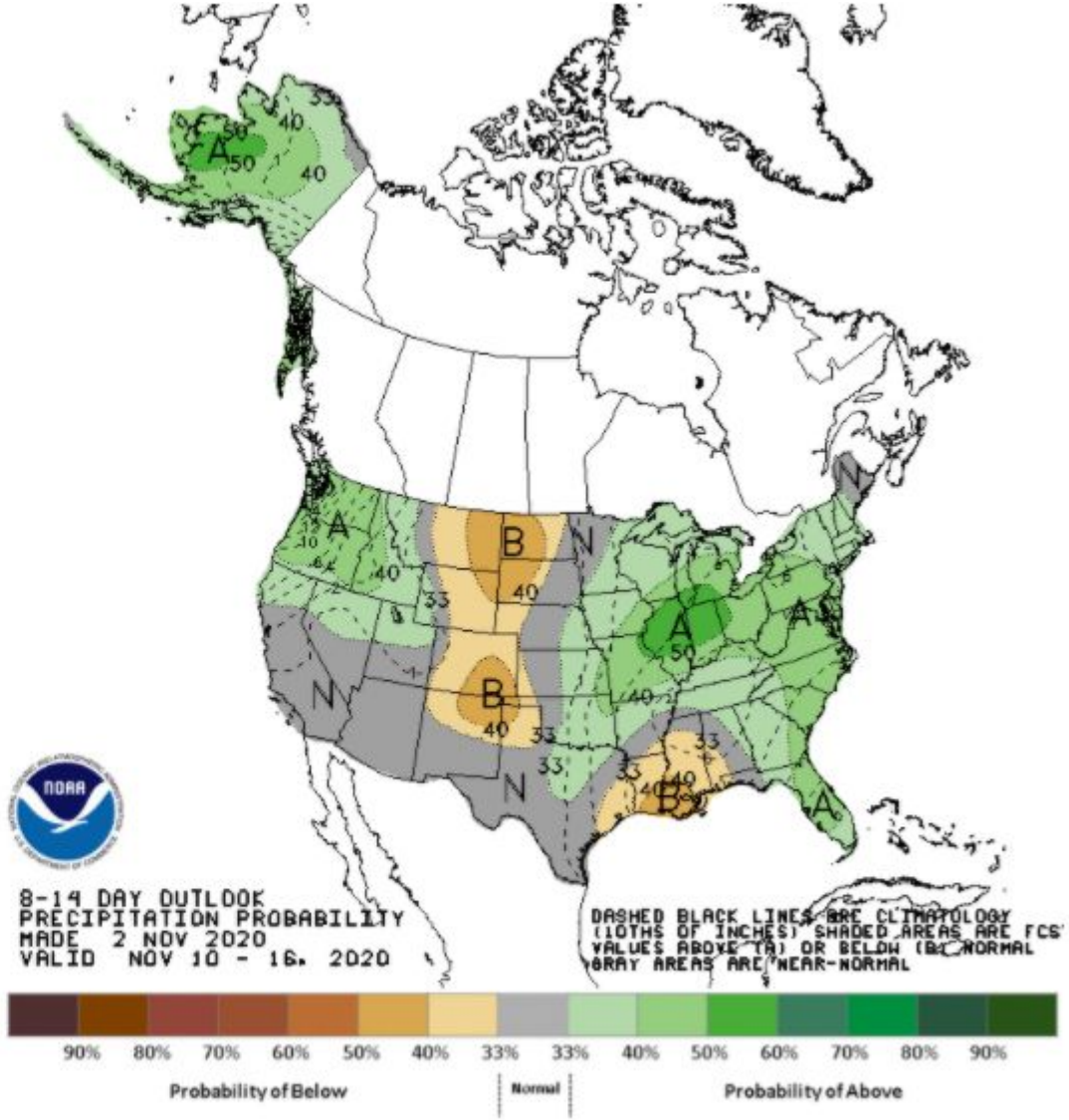


Agency - National Weather Service Weather Forecast Office

Presenter -

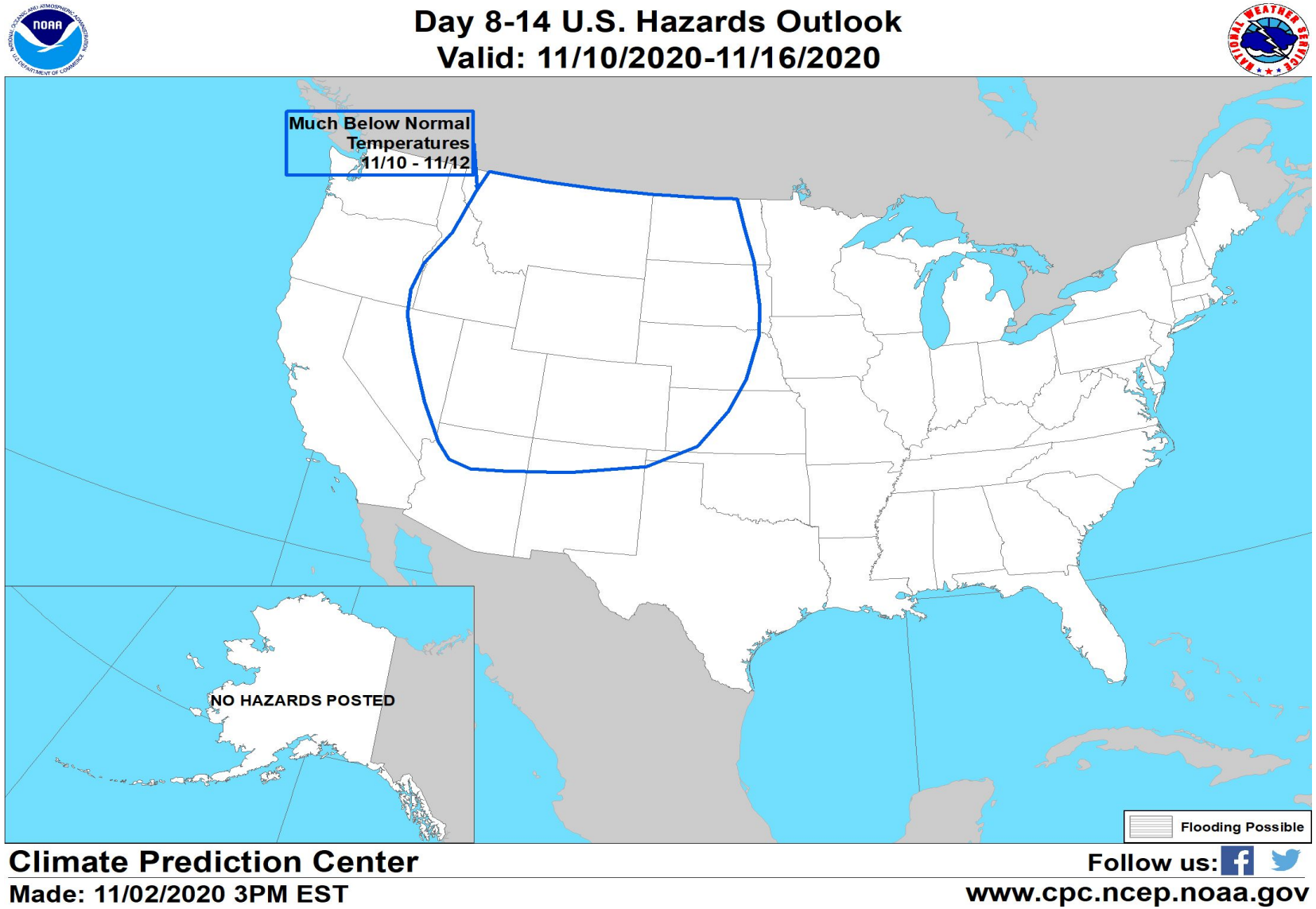
Climate Prediction Center 8 to 14 Day Outlooks - Nov 10-16





Agency - National Weather Service Weather Forecast Office
Presenter - Aldis Strautins

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

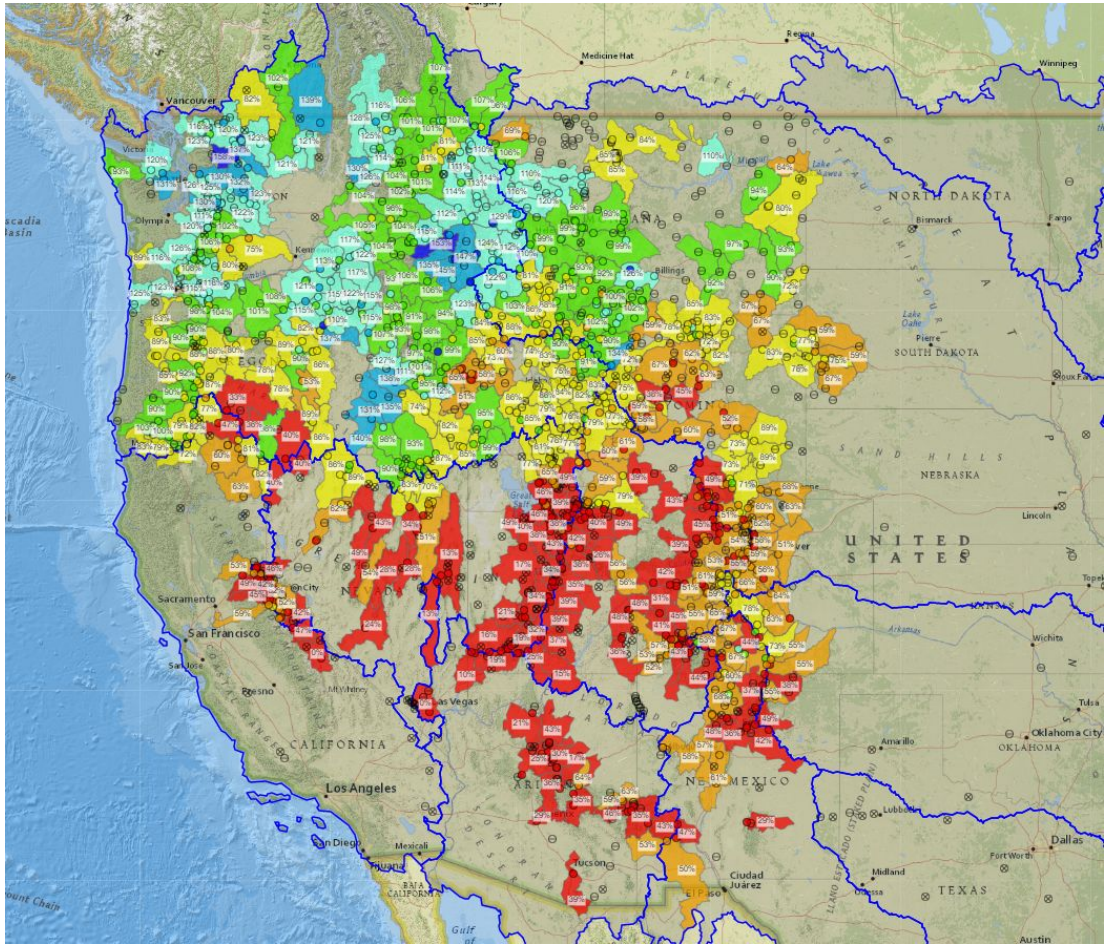


Agency - National Weather Service Weather Forecast Office

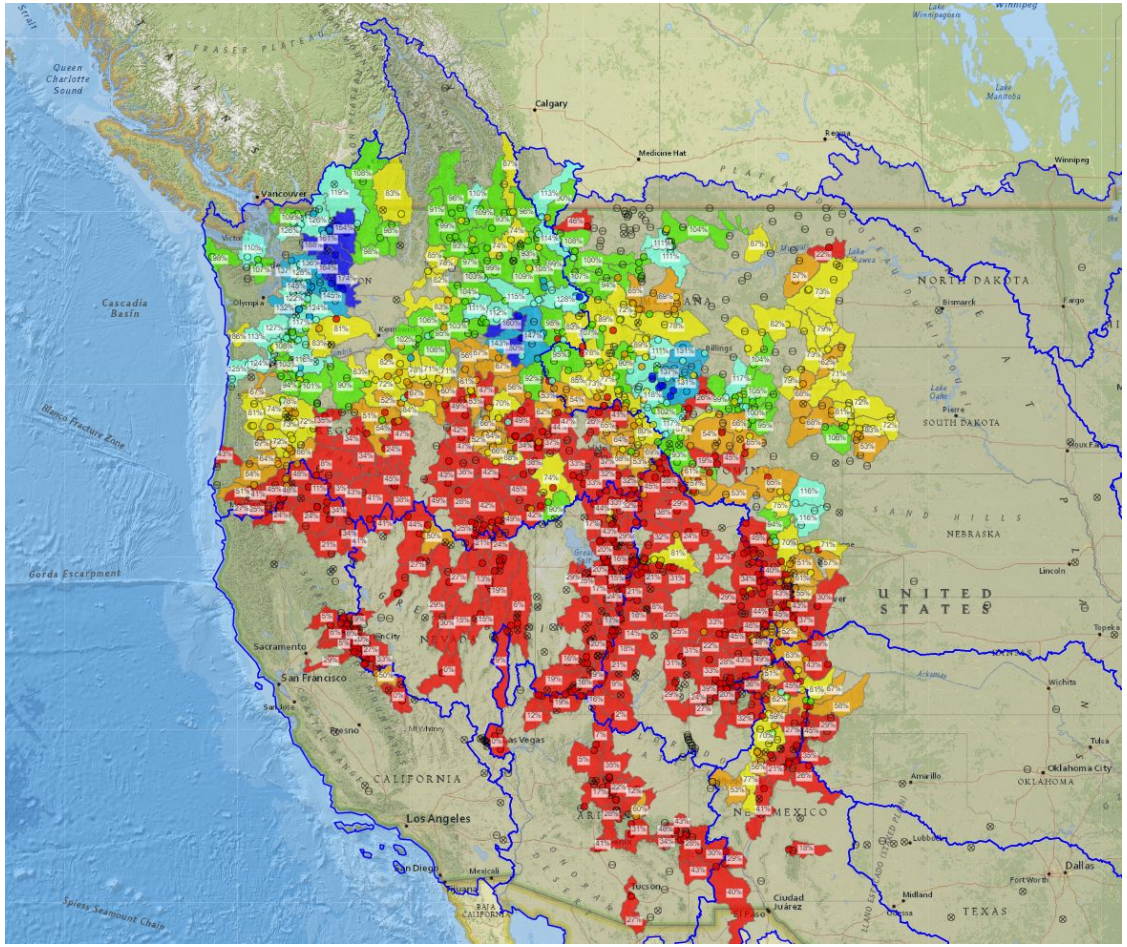
Presenter - Aldis Strautins

Precipitation and Soil Moisture as Proxy for Water Supply Conditions Winter 2021

6 Month Average



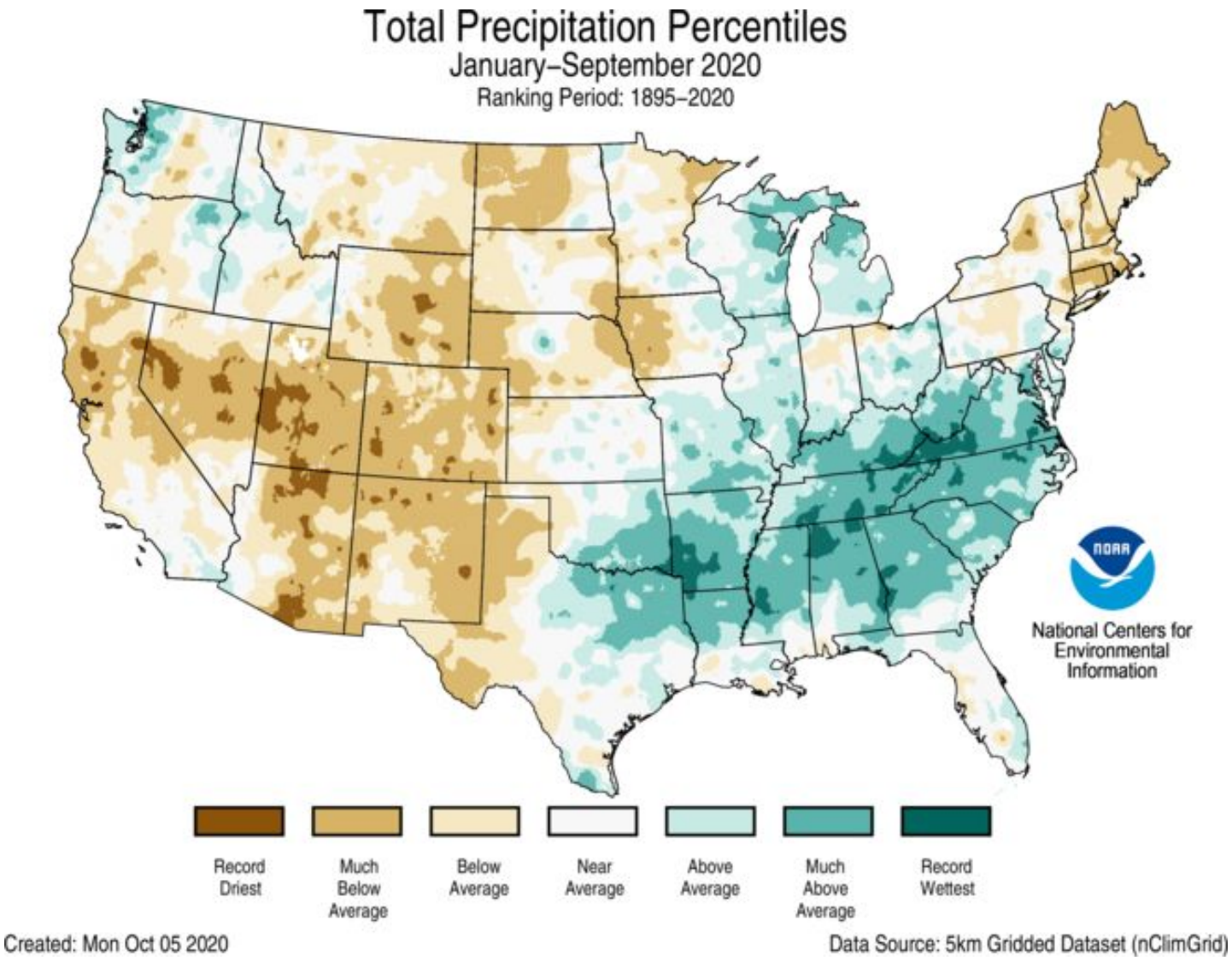
3 Month Average



Agency - CBRFC

Presenter - Brent Bernard

Ranked Percentile Precipitation January through September 2020

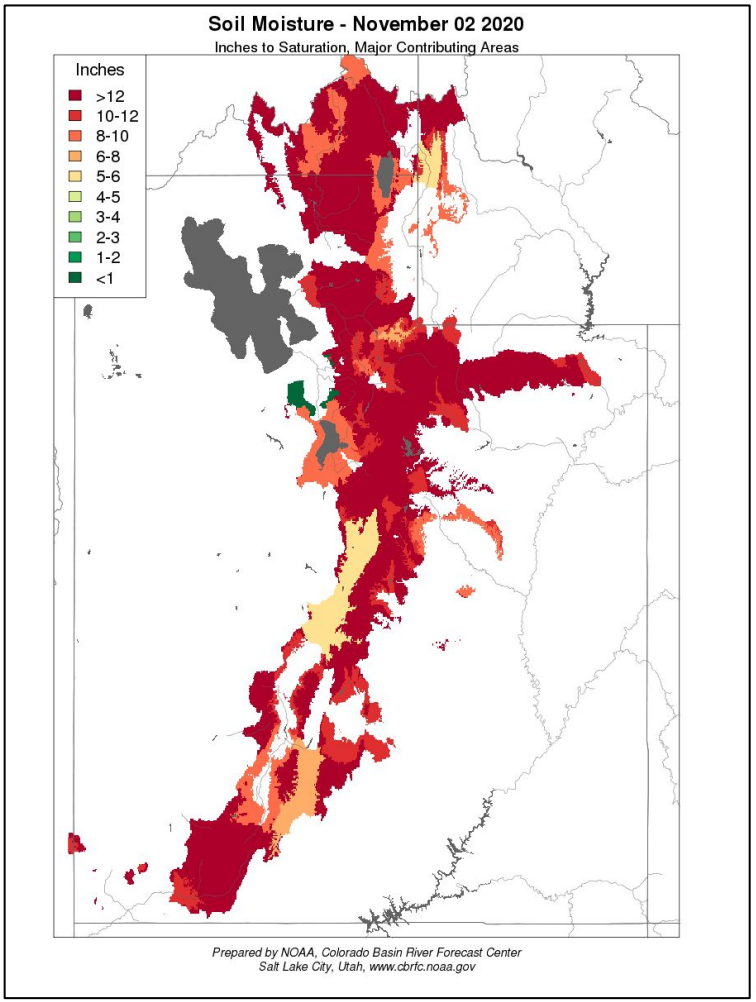


Agency - CBRFC

Presenter - Brent Bernard

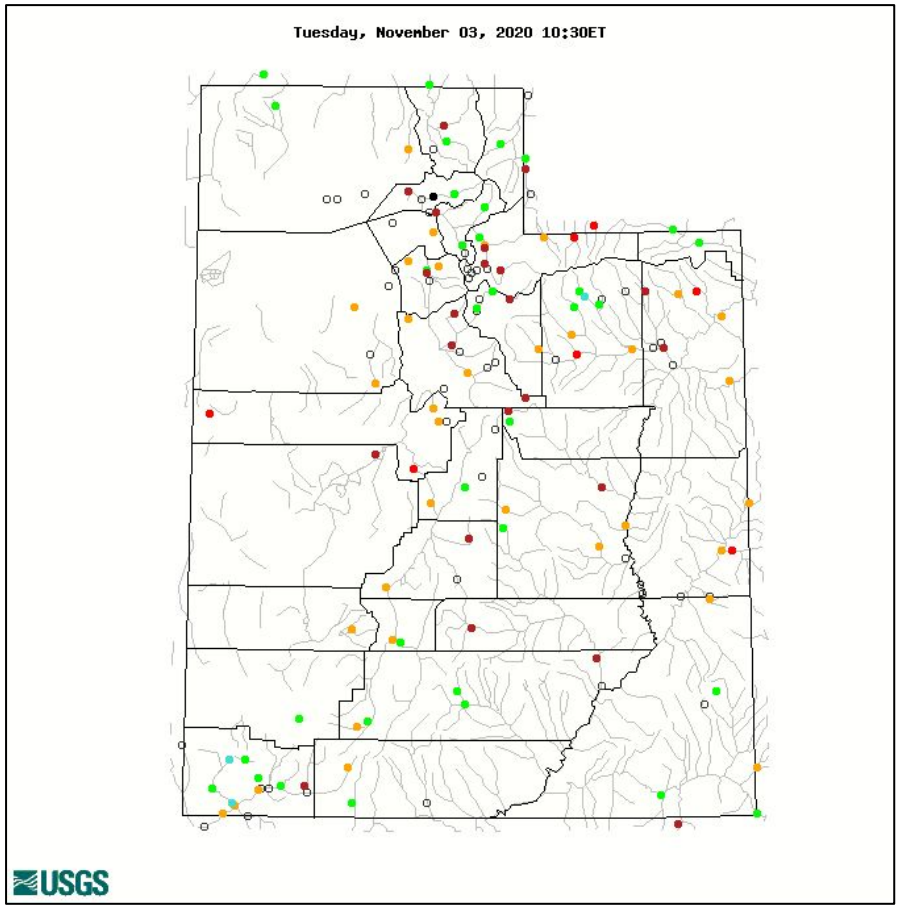
Utah Soil Moisture and Streamflow Conditions

CBRFC Model Inches to Saturation



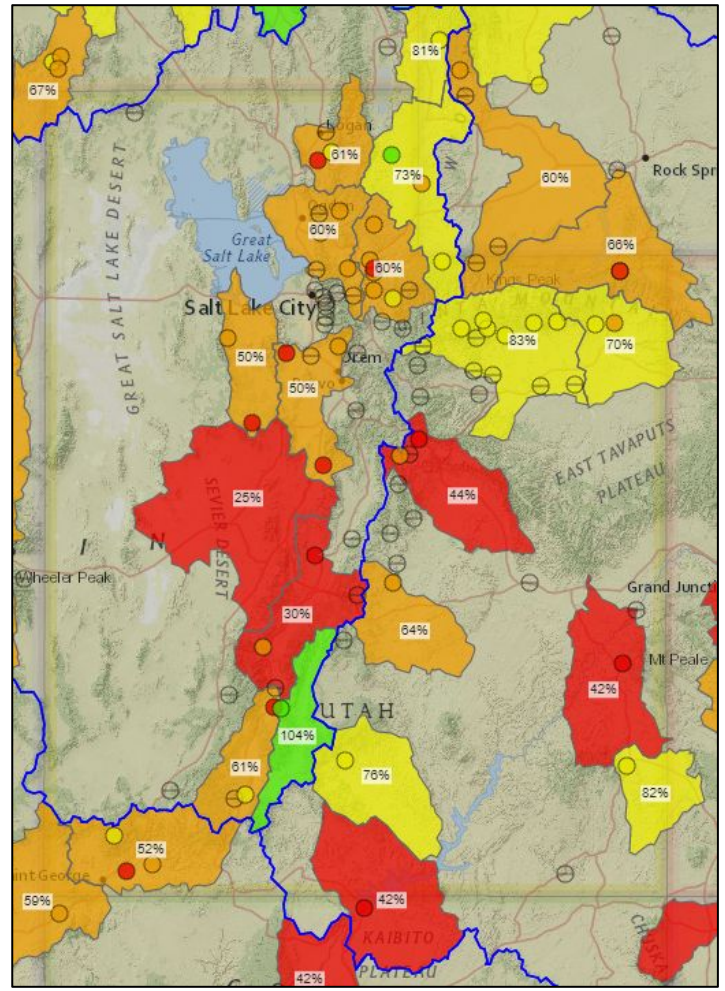
Observed, Regulated Streamflows

Much Below to Average but augmented by Reservoirs.



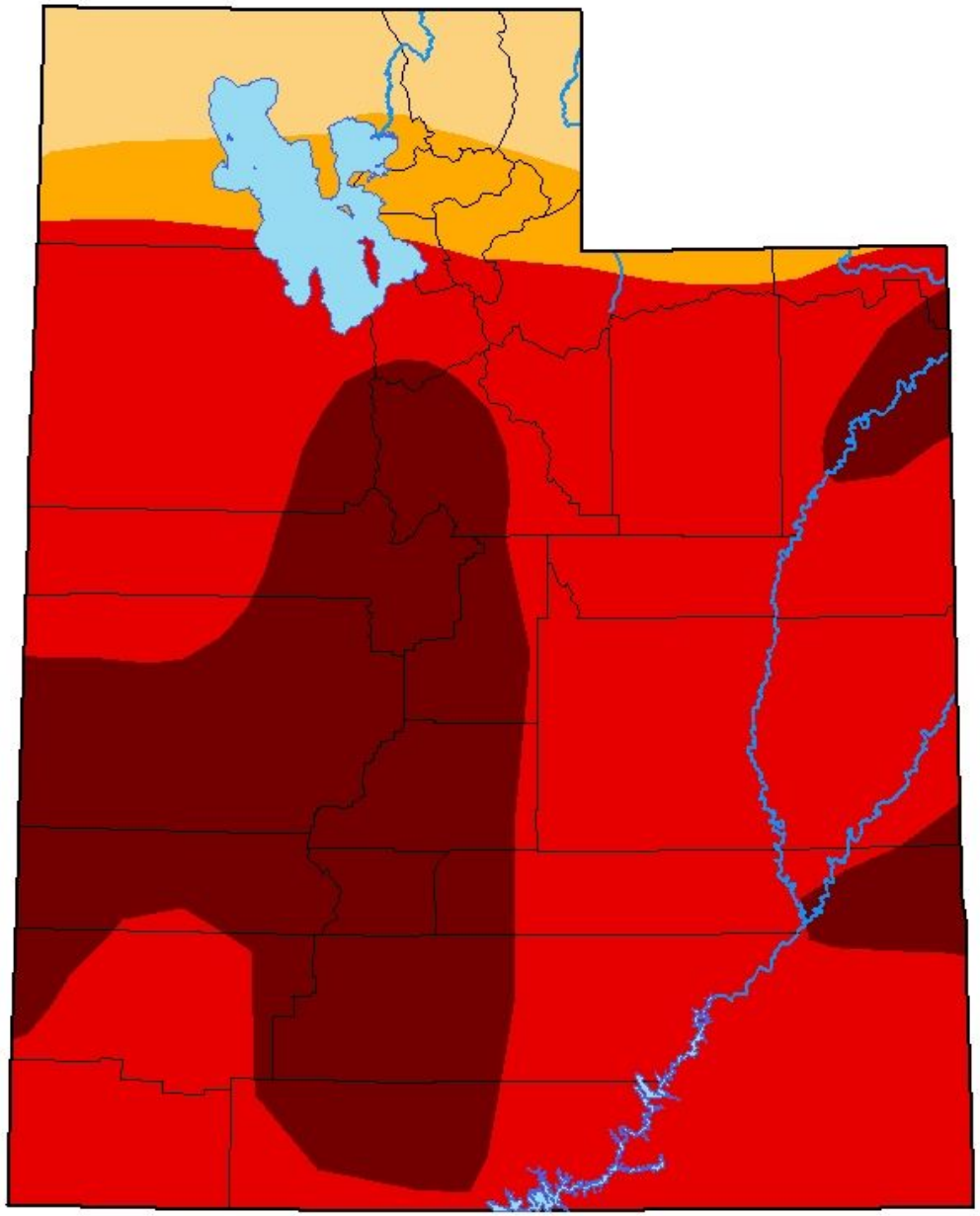
Observed, UnRegulated Streamflows 6mo Avg.

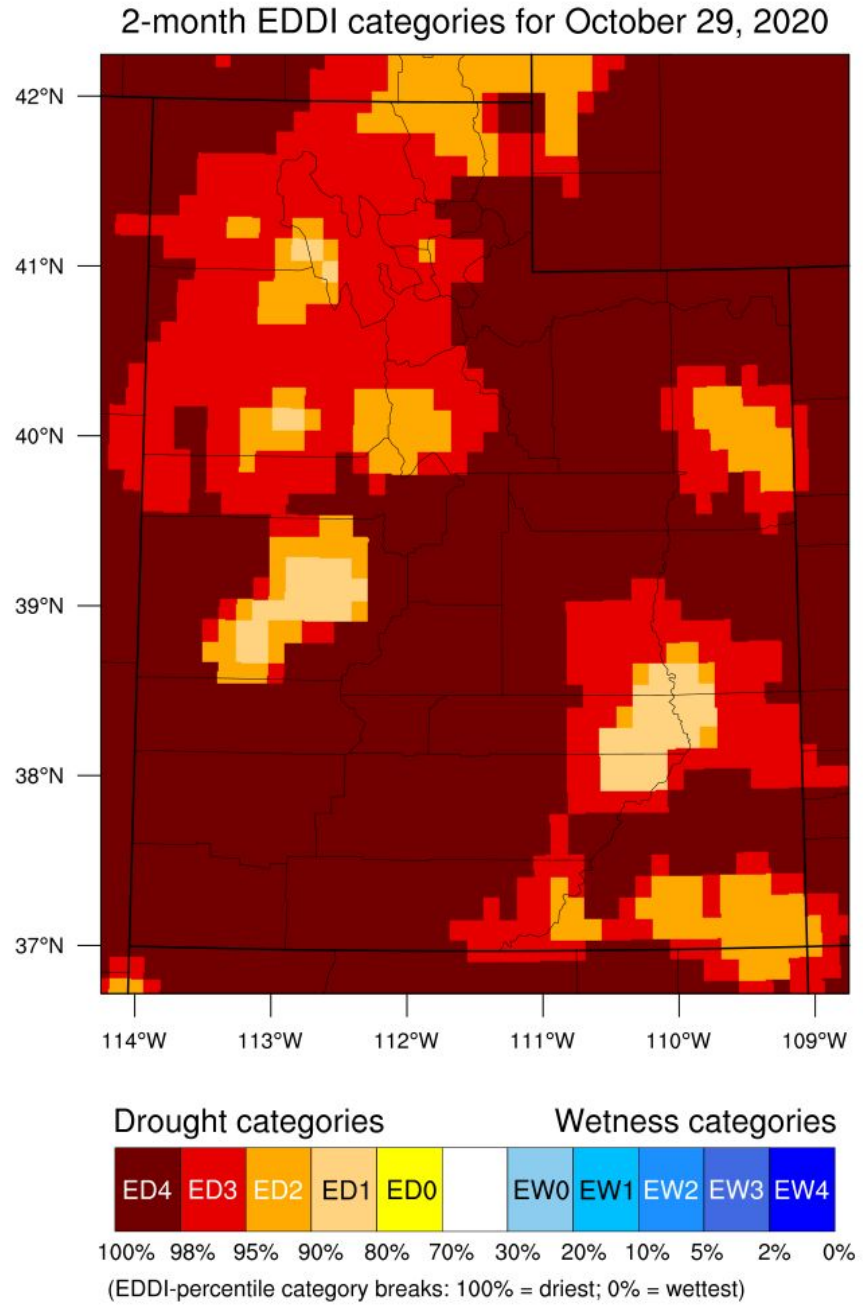
Majority of reaches 25-50% of Normal Reservoirs.



Agency - CBRFC

Presenter - Brent Bernard




2-month EDDI categories for October 29, 2020
42°N
41°N
40°N
39°N
38°N
37°N
114°W
113°W
112°W
111°W
110°W
109°W
Drought categories
Wetness categories
ED4
ED3
ED2
ED1
ED0
EW0
EW1
EW2
EW3
EW4
100% 98% 95% 90% 80% 70% 30% 20% 10% 5% 2% 0%
(EDDI-percentile category breaks: 100% = driest; 0% = wettest)
Generated by NOAA/ESRL/Physical Sciences Laboratory