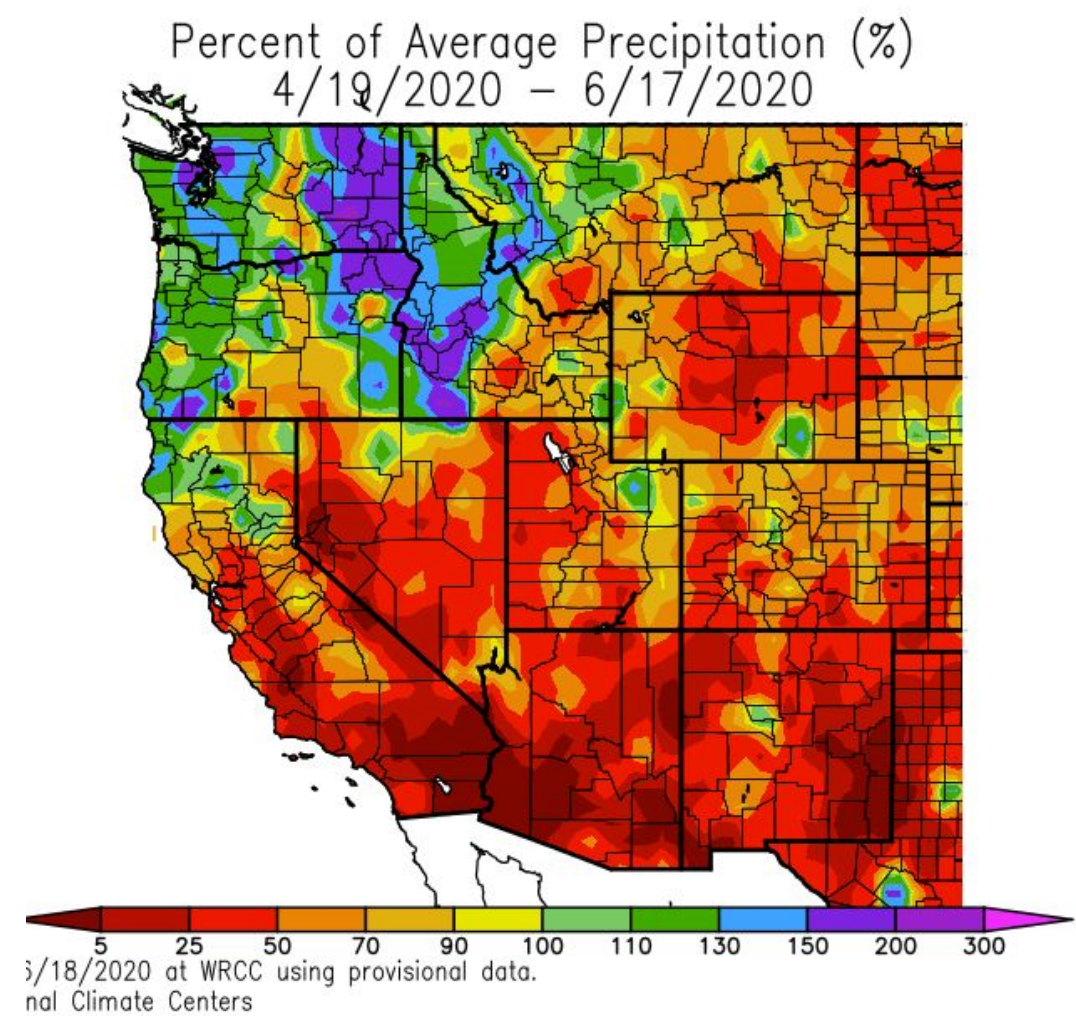
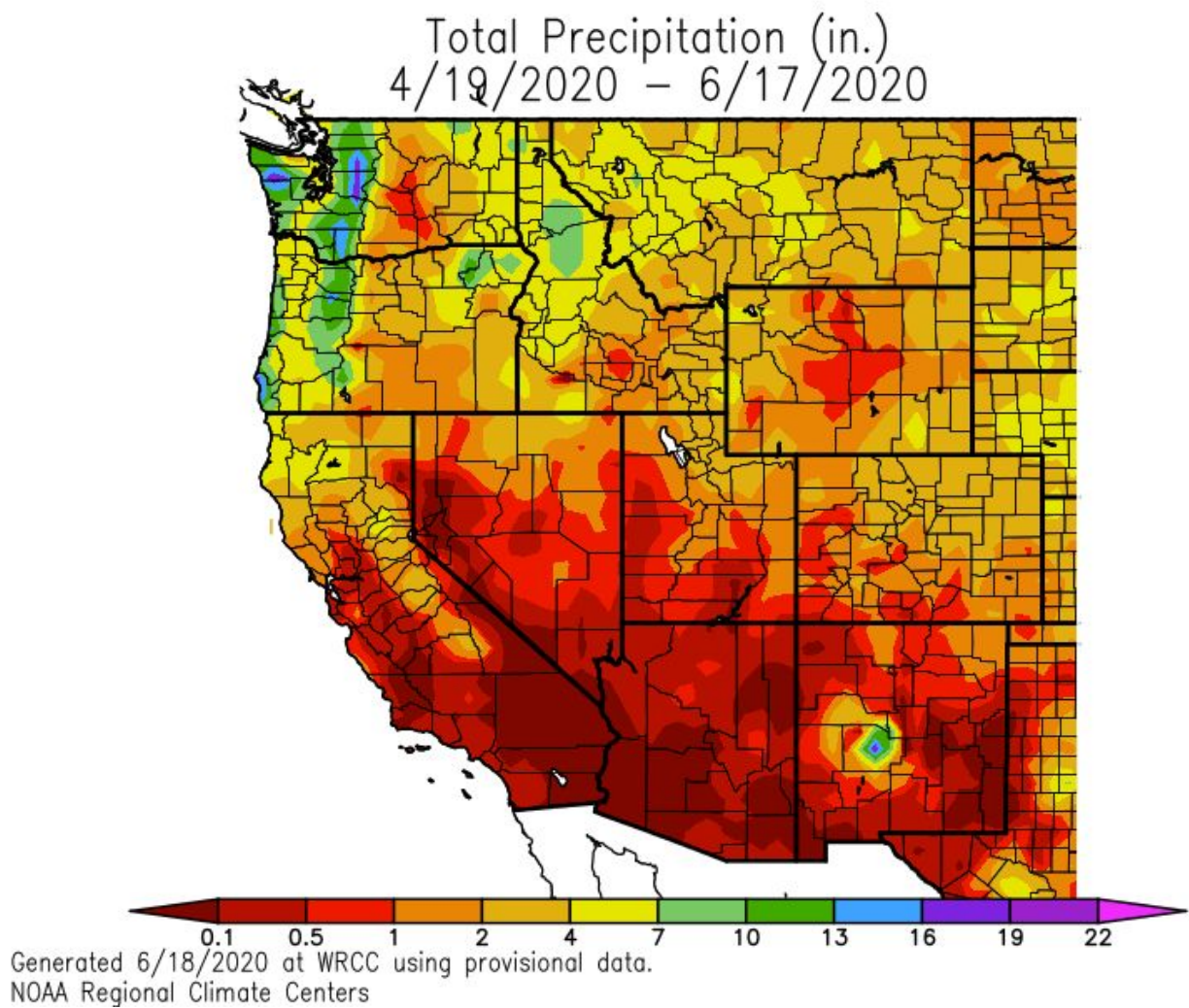




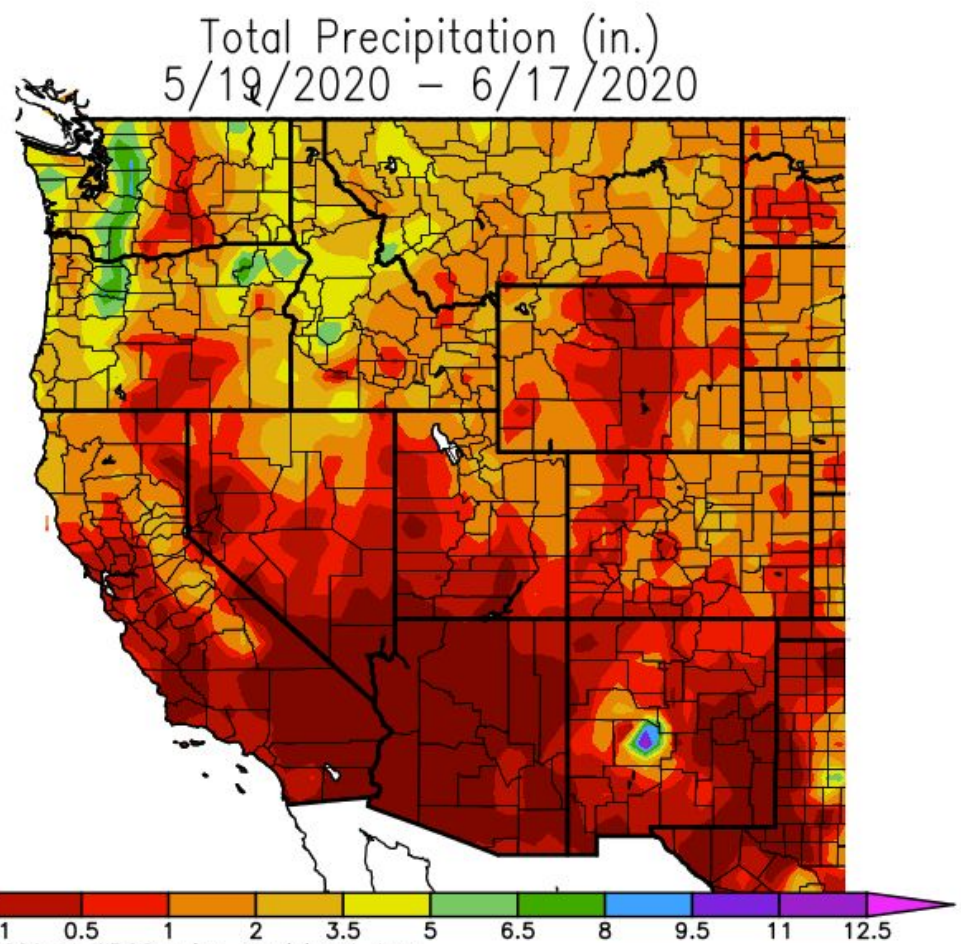
Utah Drought Monitor Feedback Webinar

June 18, 2020

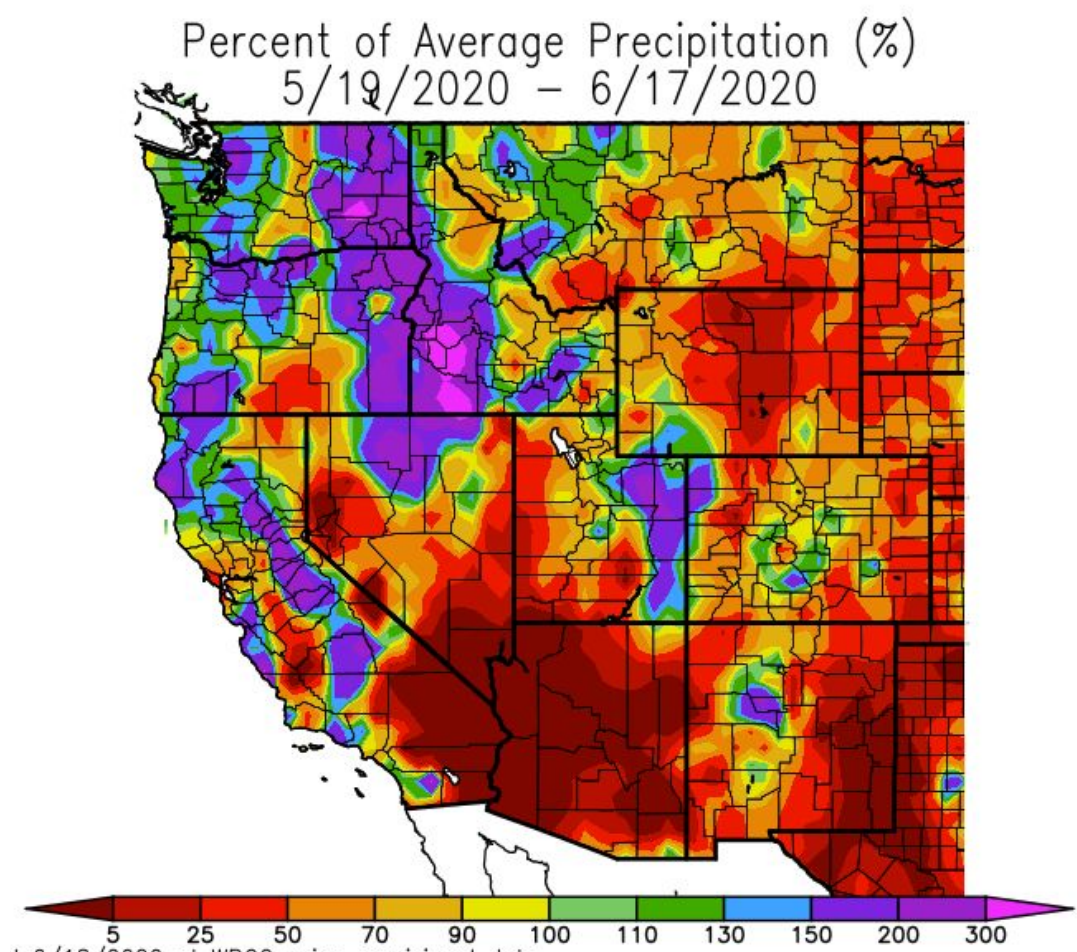
Precipitation 60 day history (Percent of Average)



Precipitation 30 day history (Percent of Average)



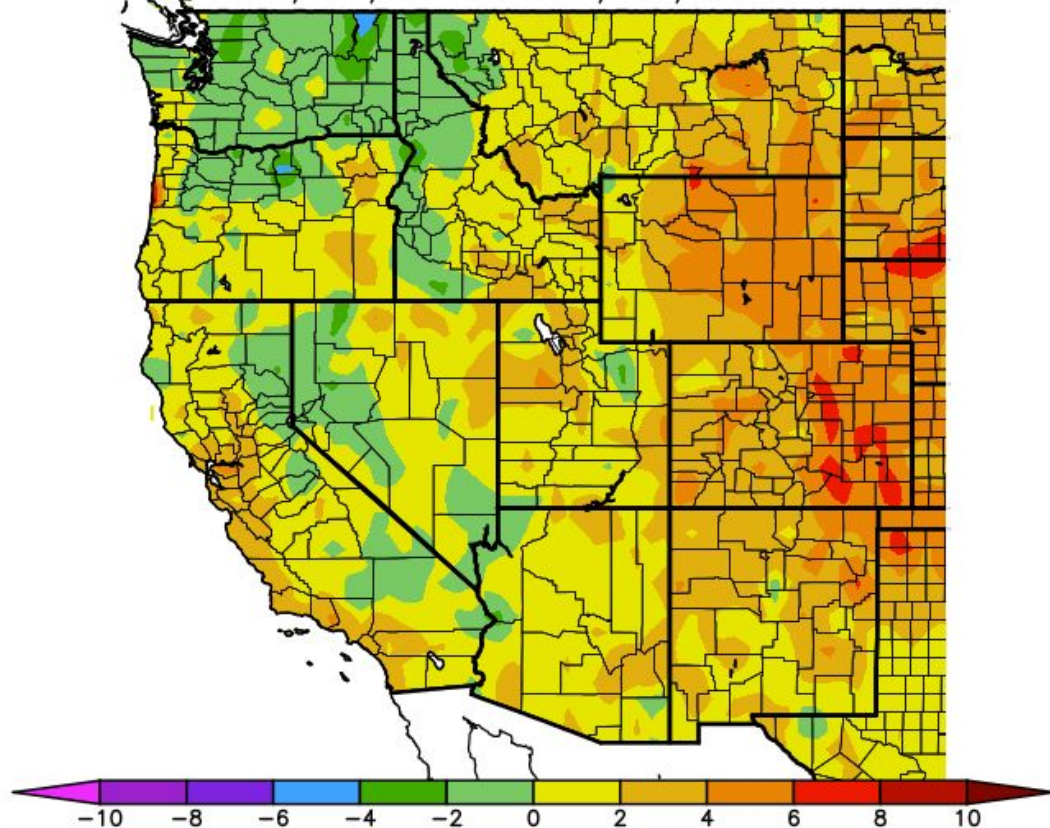
Generated 6/18/2020 at WRCC using provisional data.
NOAA Regional Climate Centers



Generated 6/18/2020 at WRCC using provisional data.
NOAA Regional Climate Centers

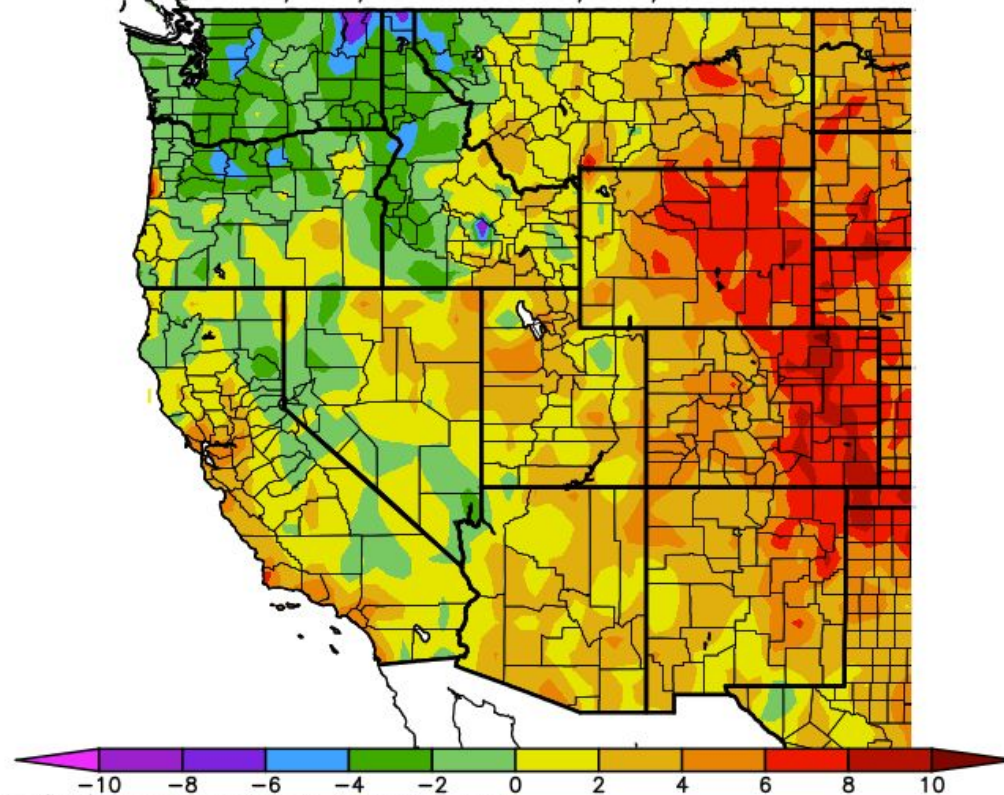
Temperature 30 day (Related to Average)

Ave. Temperature dep from Ave (deg F)
5/19/2020 – 6/17/2020



Generated 6/18/2020 at WRCC using provisional data.
NOAA Regional Climate Centers

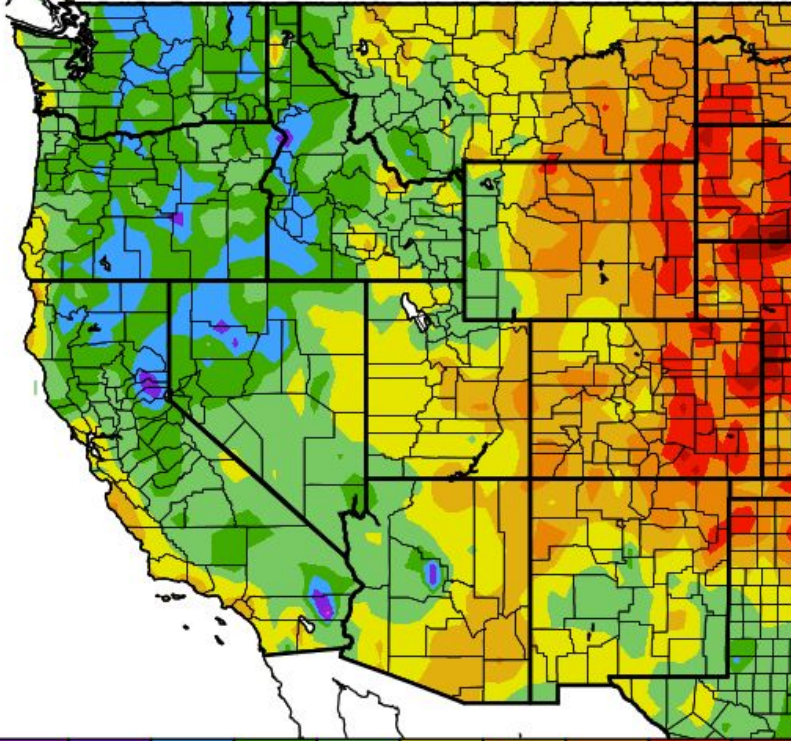
Av. Max. Temperature dep from Ave (deg F)
5/19/2020 – 6/17/2020



d 6/18/2020 at WRCC using provisional data.
gional Climate Centers

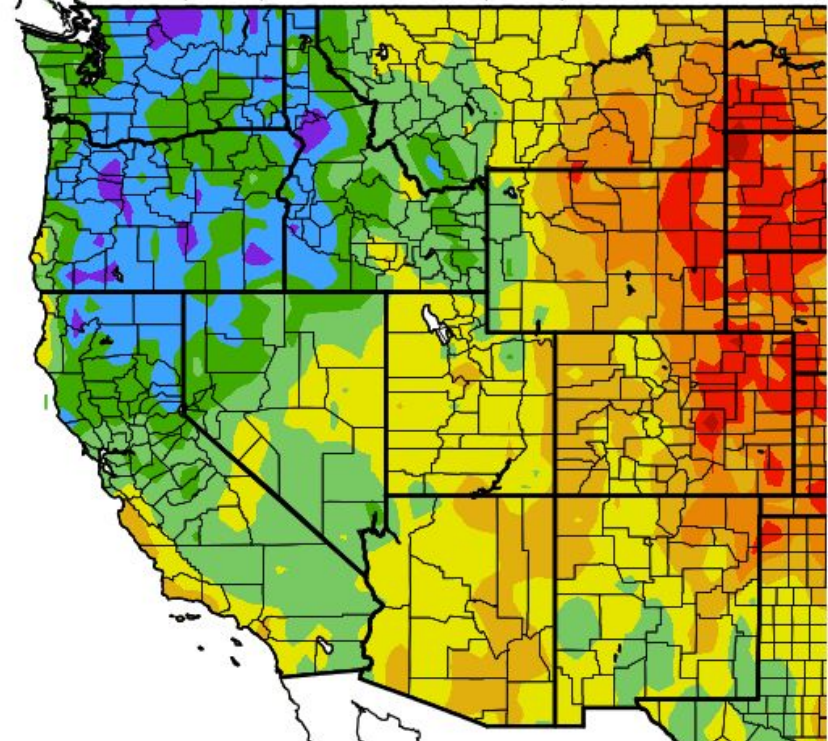
Temperature 7 day (Related to Average)

Ave. Temperature dep from Ave (deg F)
6/11/2020 – 6/17/2020



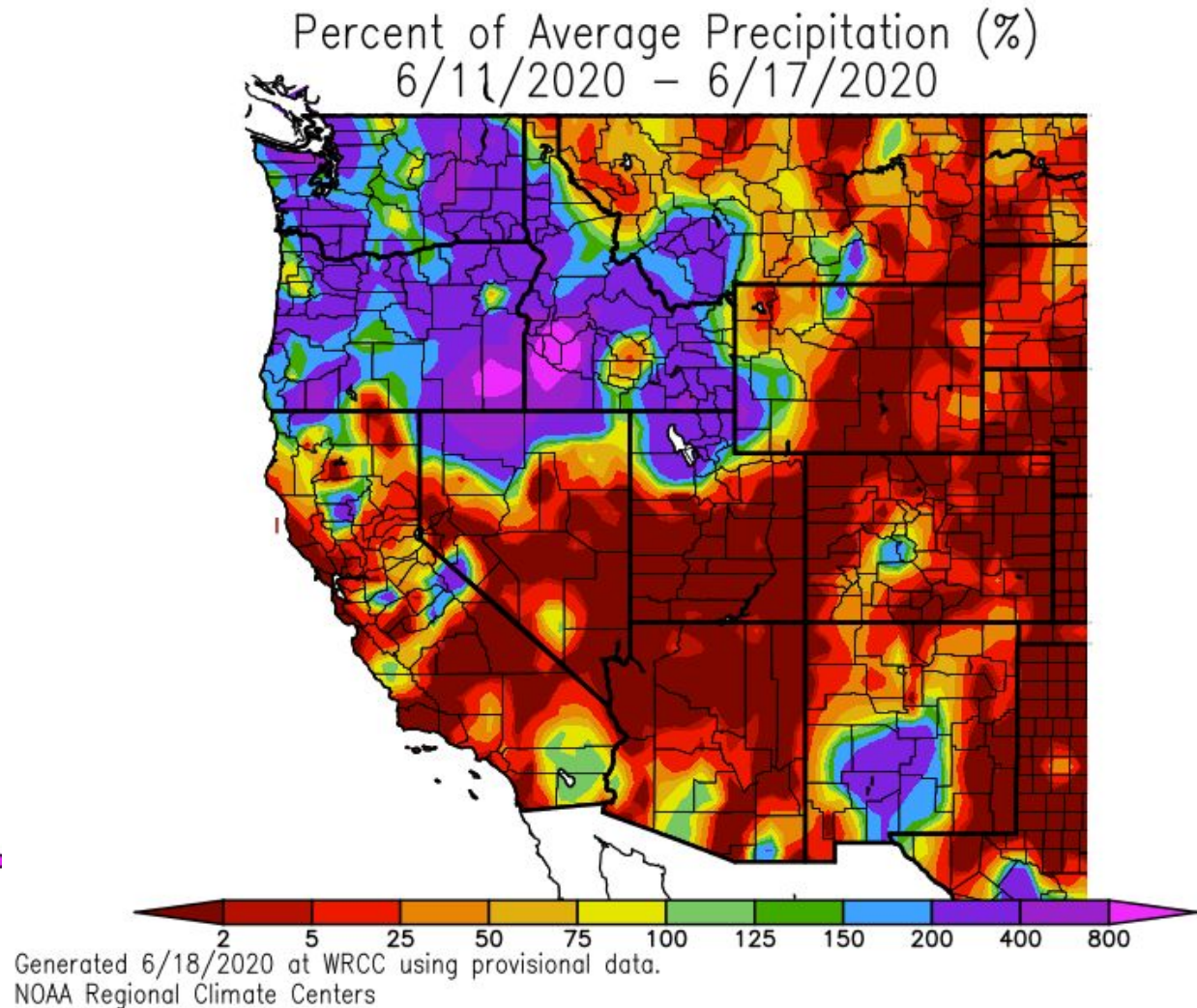
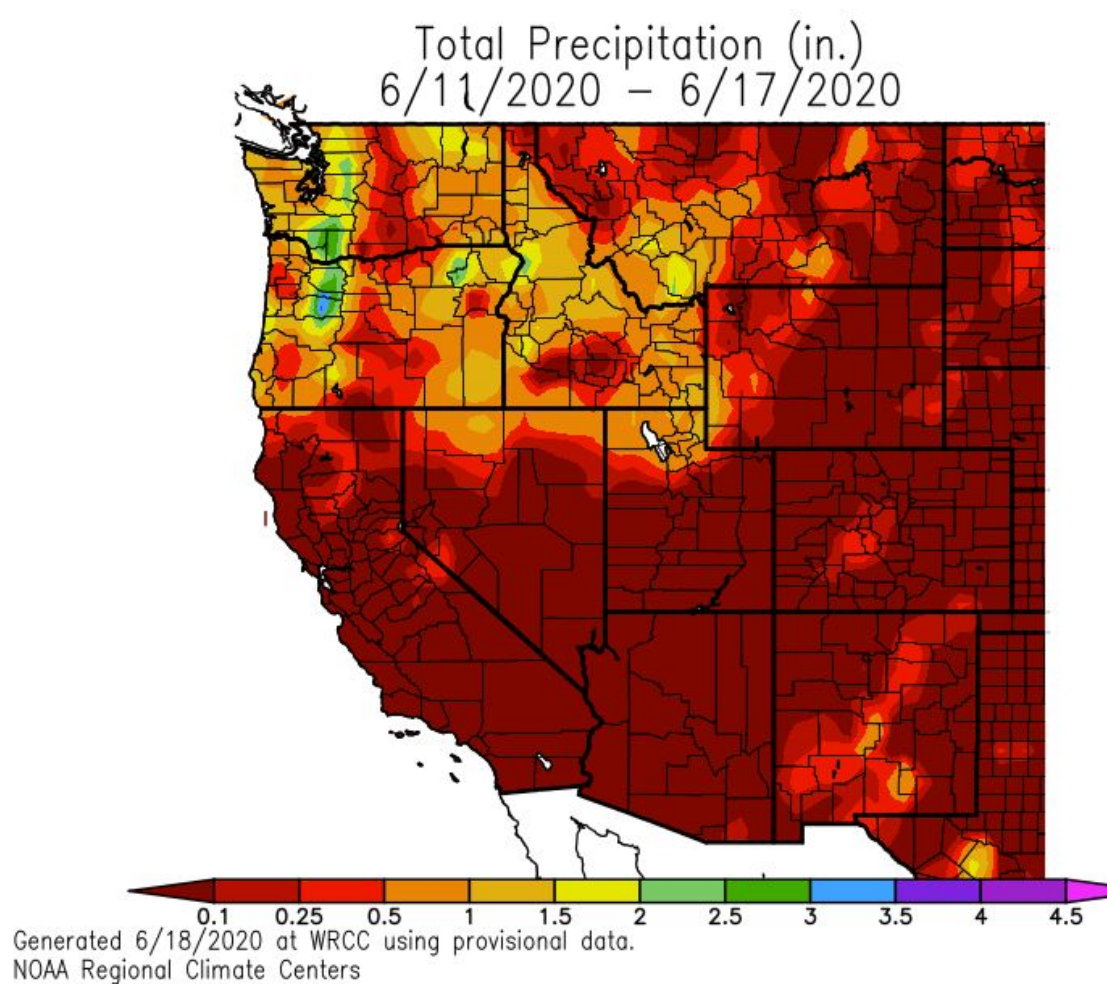
Generated 6/18/2020 at WRCC using provisional data.
NOAA Regional Climate Centers

Av. Max. Temperature dep from Ave (deg F)
6/11/2020 – 6/17/2020



d 6/18/2020 at WRCC using provisional data.
NOAA Regional Climate Centers

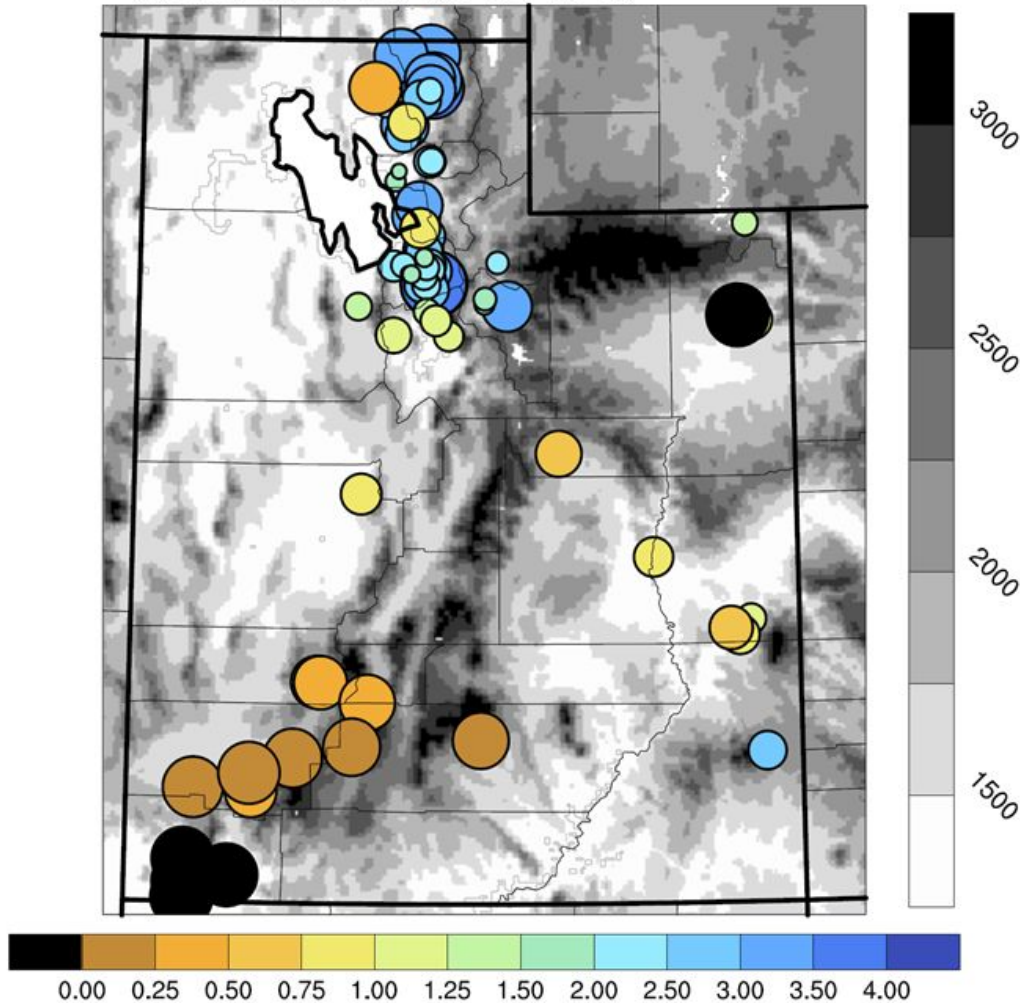
Precipitation 7 day history (Percent of Average)



Surface station Observations: Last 30 days

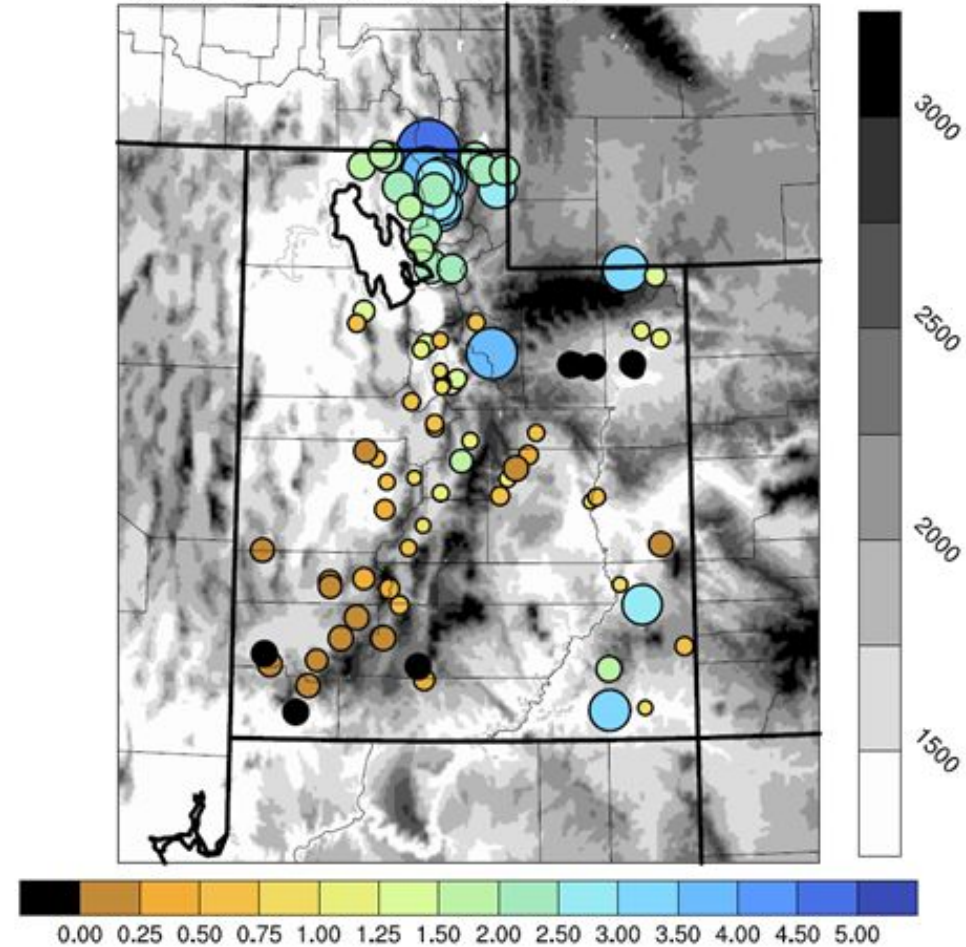
CoCoRaHS

**CoCoRaHS Total Liquid Precip:
05182020 to 06182020**



UCC Stations

**UCC Stations: Total Liquid Precip:
2020-5-18 to 2020-6-18**



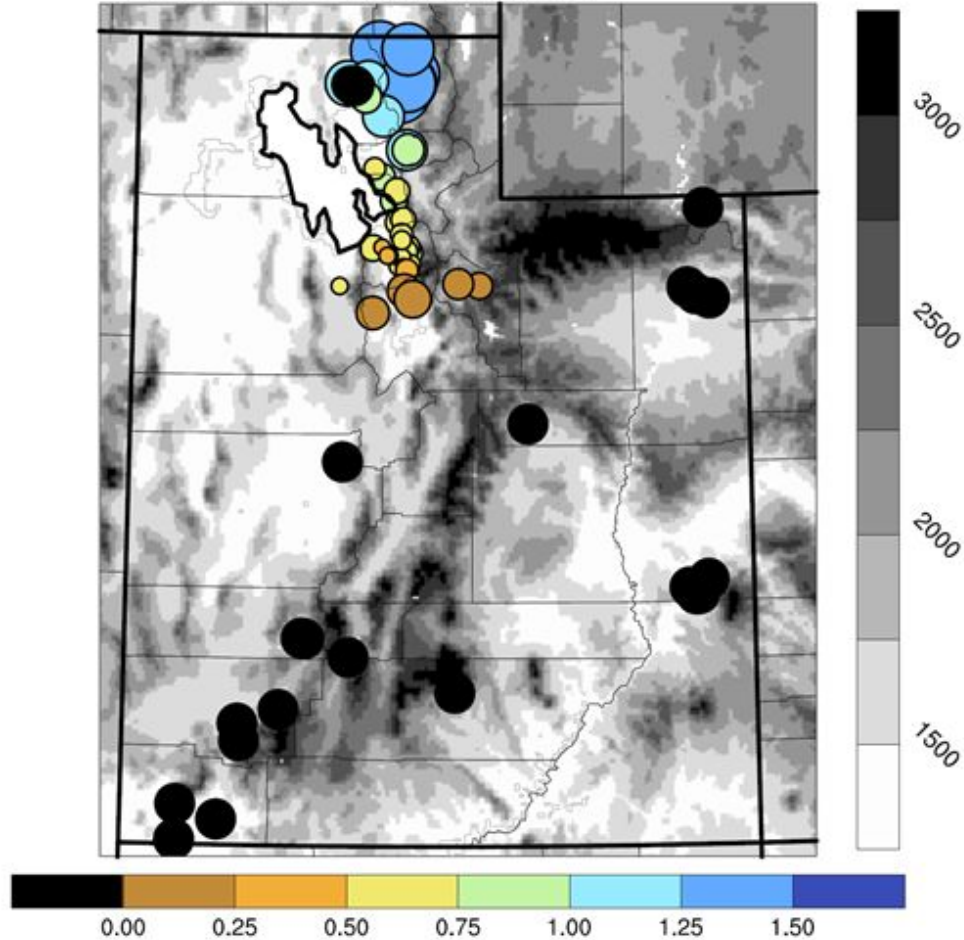
Agency - Utah Climate Center

Presenter - Jon Meyer

Surface station Observations: Last 7 days

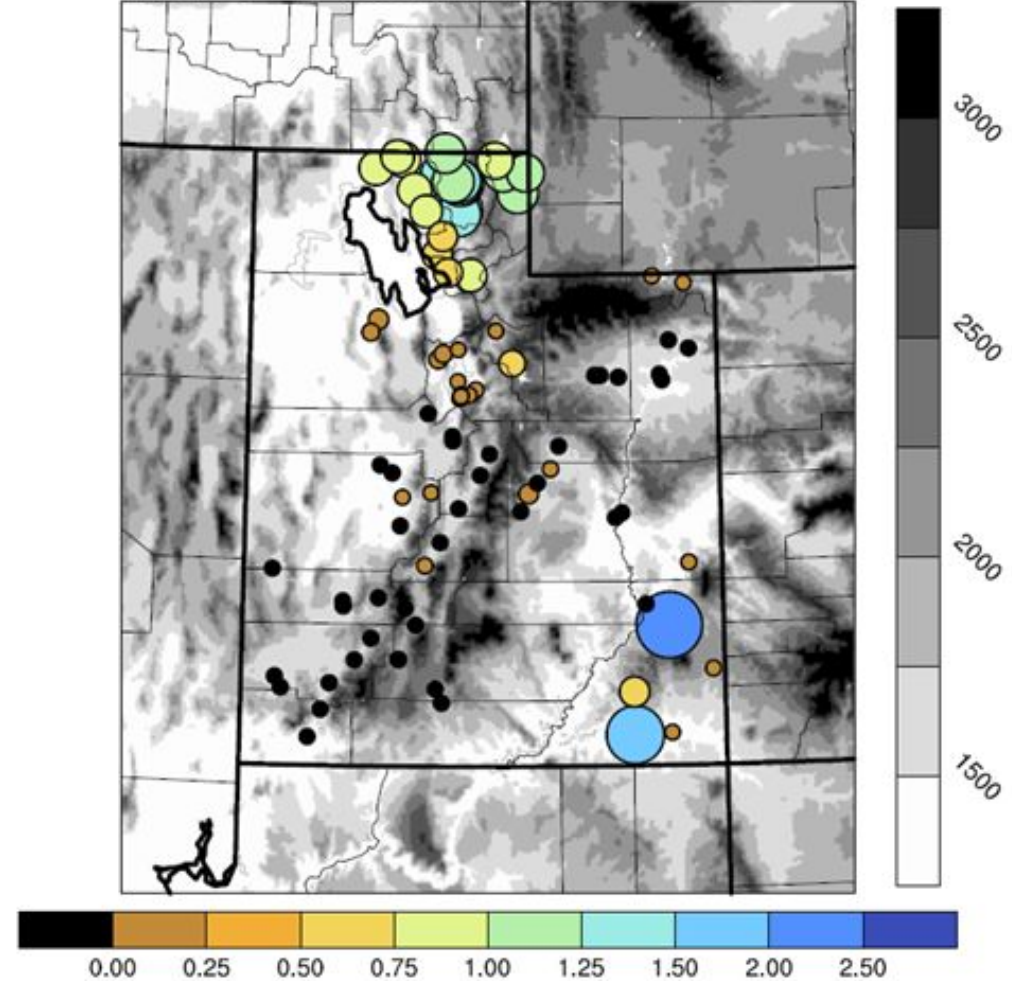
CoCoRaHS

CoCoRaHS Total Liquid Precip:
06112020 to 06182020

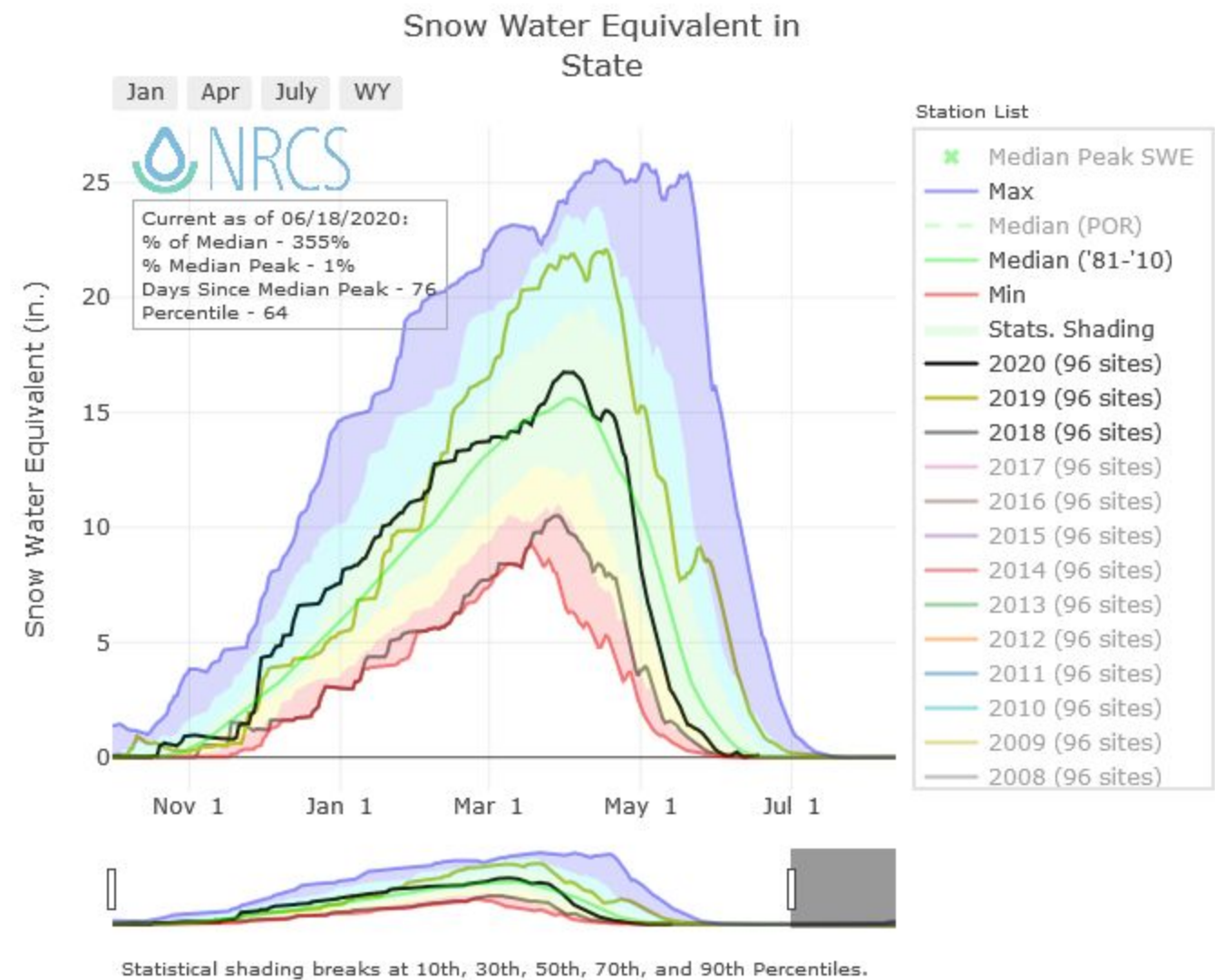


UCC Stations

UCC Stations: Total Liquid Precip:
2020-6-11 to 2020-6-18

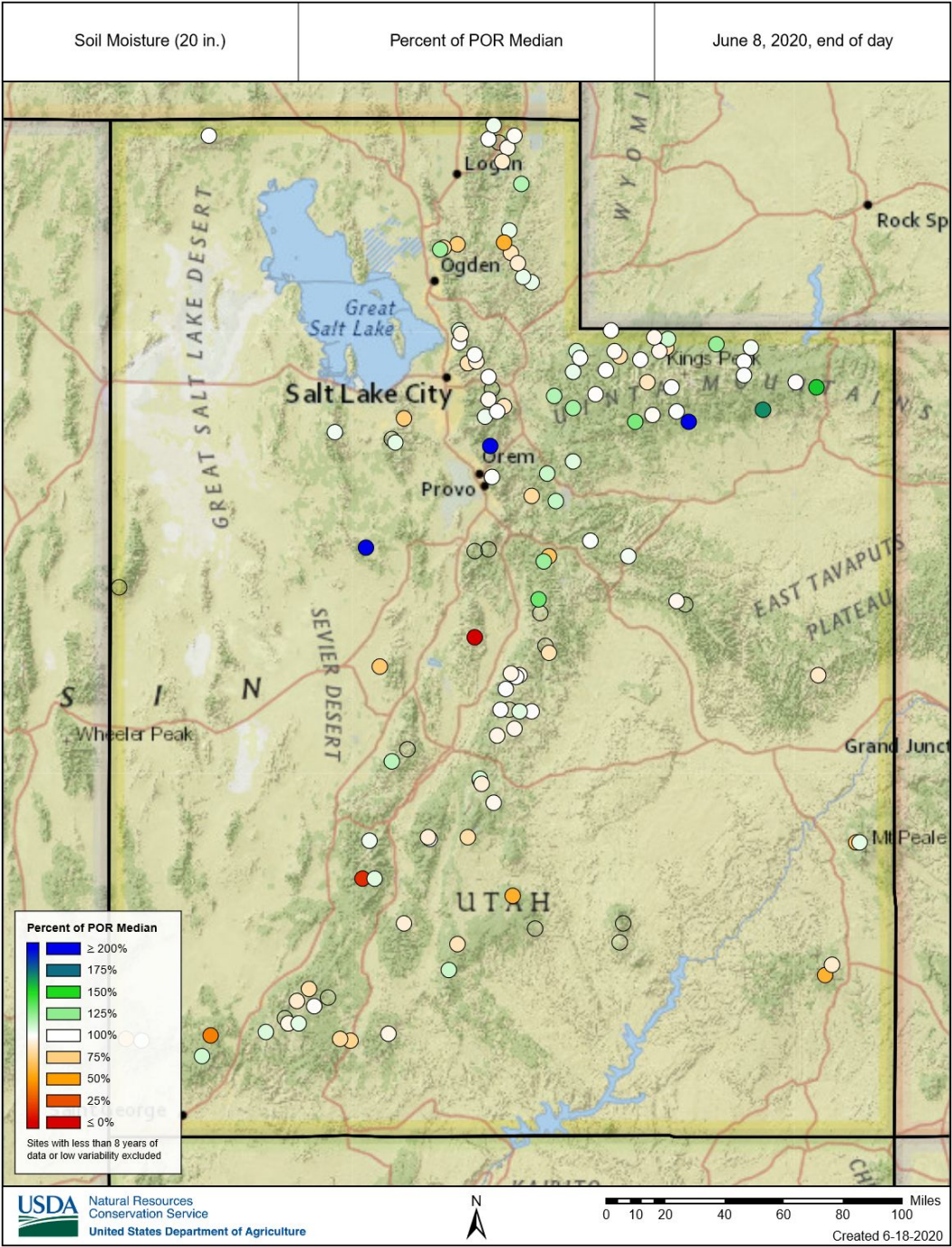


Snowpack (Water Year to date Percent of Average)

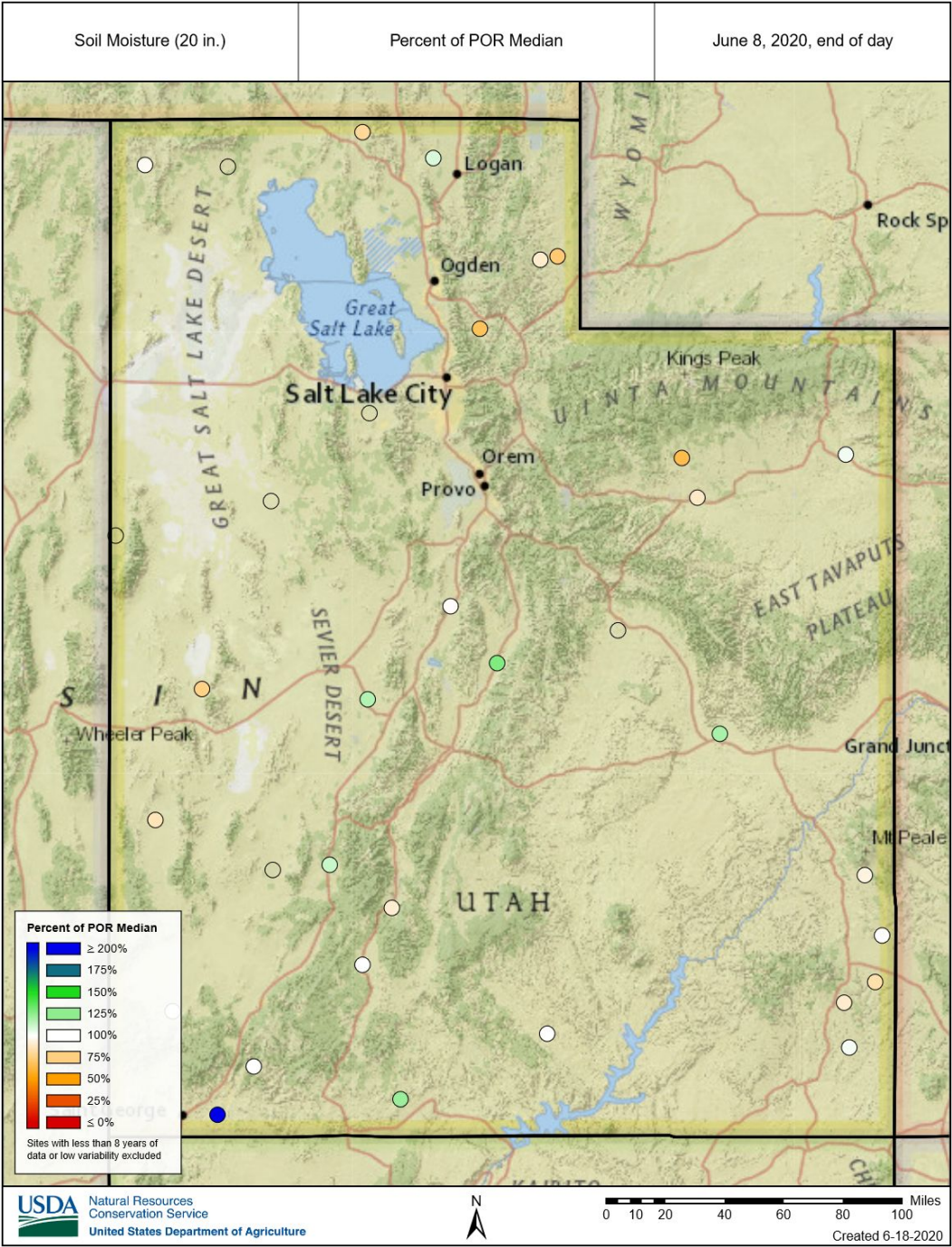


Soil Moisture (Current)

SNOTEL sites (Mtns)



Soil Moisture (Current) SCAN sites (Valleys)



Agency - NRCS Snow Survey
Presenter - Jordan Clayton

N/D - data is not currently available

Porcupine (Bear River) 116% June 1

Woodruff Creek (Bear River) 98% June 1

Woodruff Creek (Bear River) 98% June 1

Porcupine (Bear River) 116% June 1

Grantsville (West Desert) 65% June 1

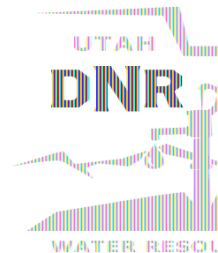
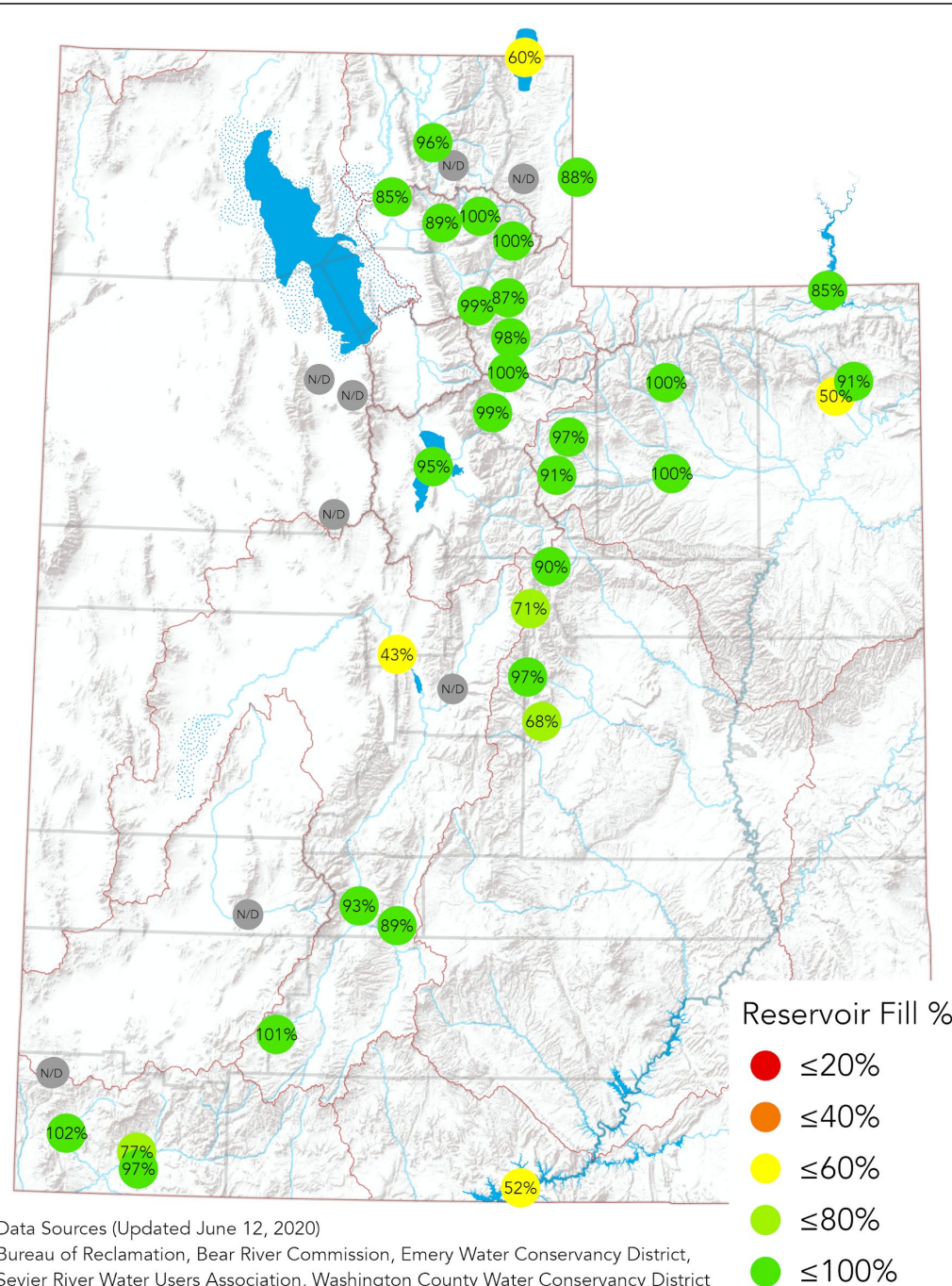
Settlement Creek (West Desert) 61% June 1

Gunnison (Sevier River) 33% June 1

Lower Enterprise (Cedar/Beaver) 38% June 1

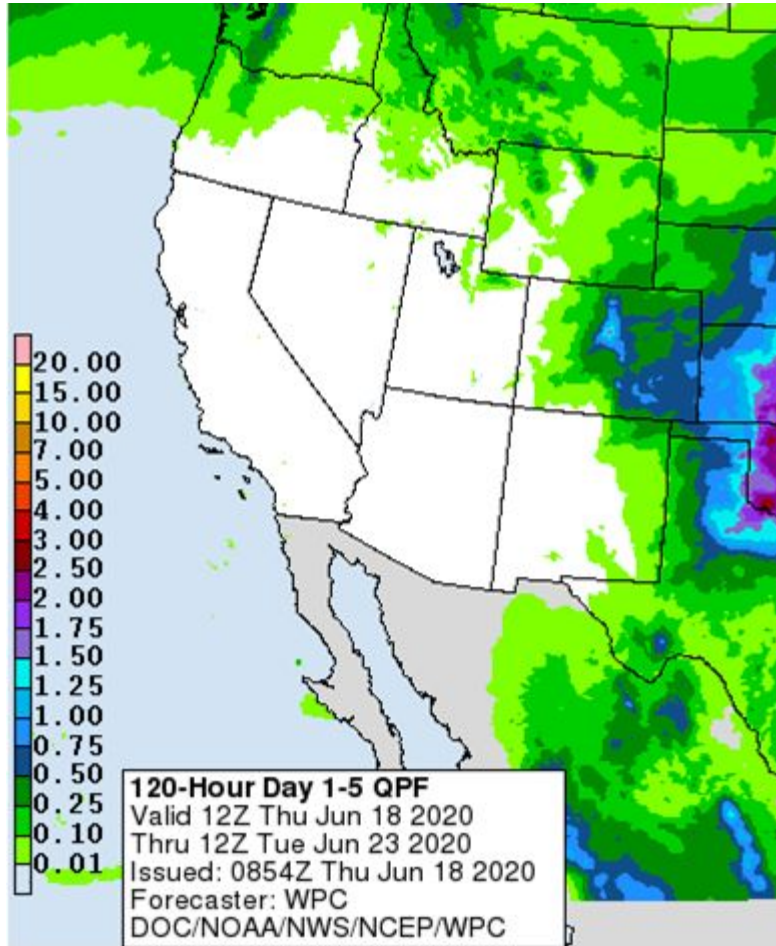
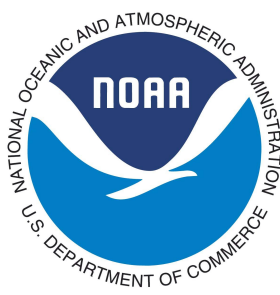
Upper Enterprise (Cedar/Beaver) 51% June 1

Minersville (Cedar/Beaver) 75% June 1



Presenter - Laura Haskell

Weather Forecast Office Utah Day 1-7 Outlook

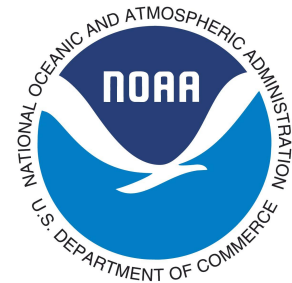


Entering into the driest 3 week period, climactically.

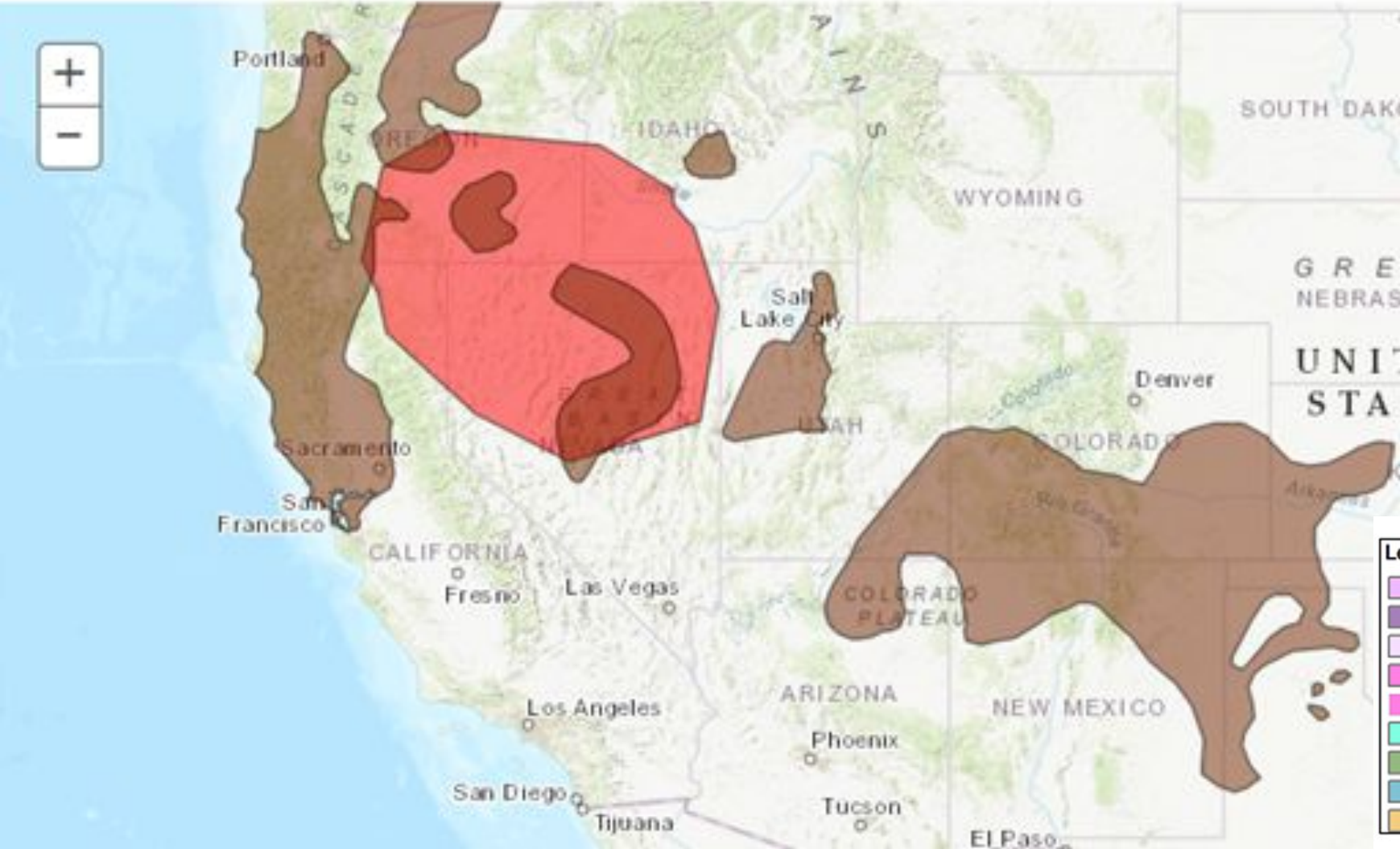
High Pressure will dominate the interior Great Basin

- Warming trend temperatures
 - 5-10 degrees above normal, hottest south
- Dry conditions
- Lack of flow will decrease fire weather concerns, but fuels will remain critical or continue to cure.

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

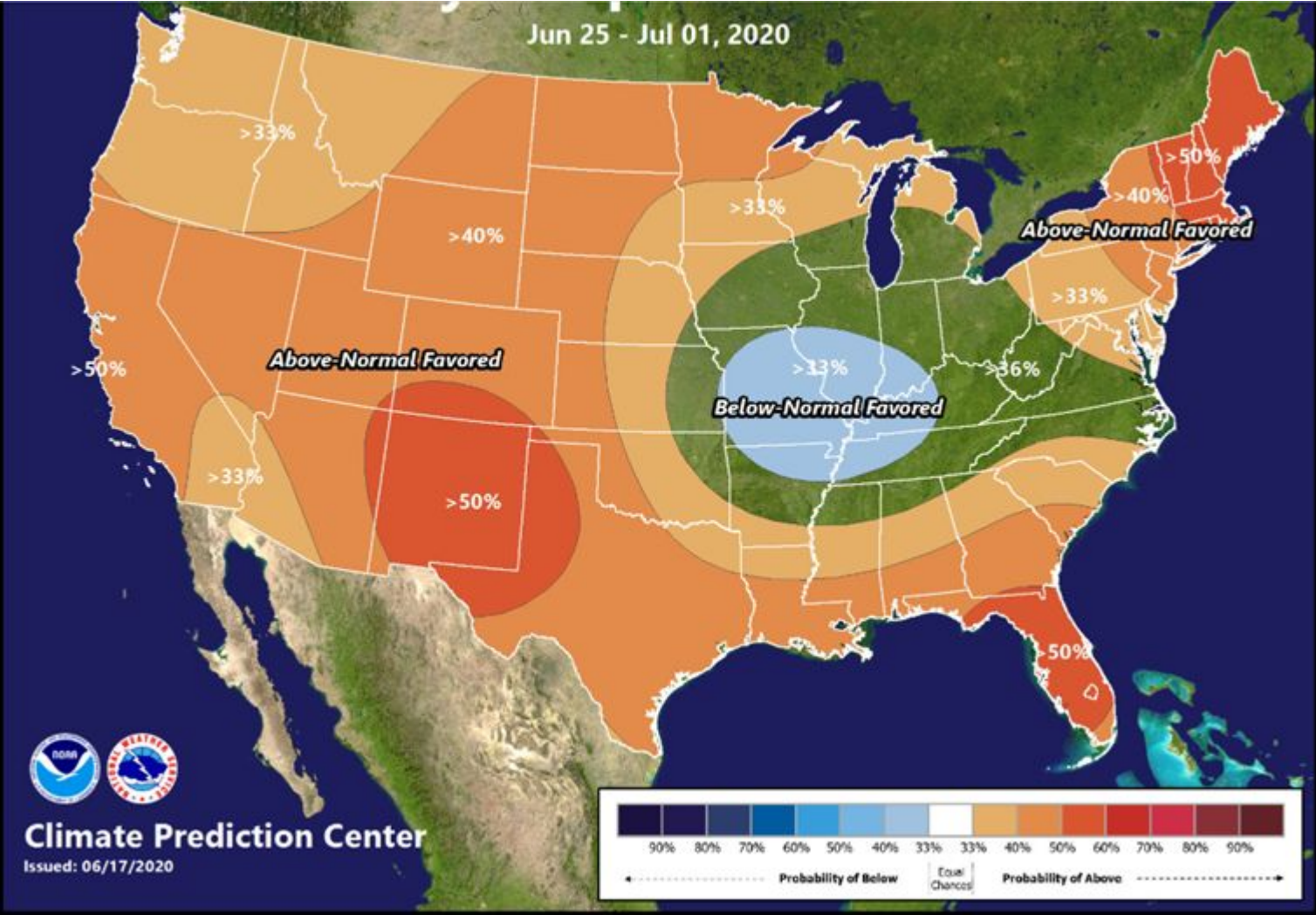
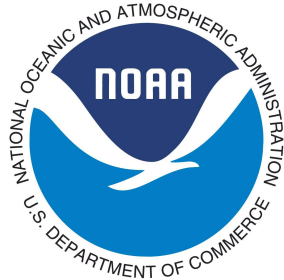


Valid June 20, 2020 - June 24, 2020

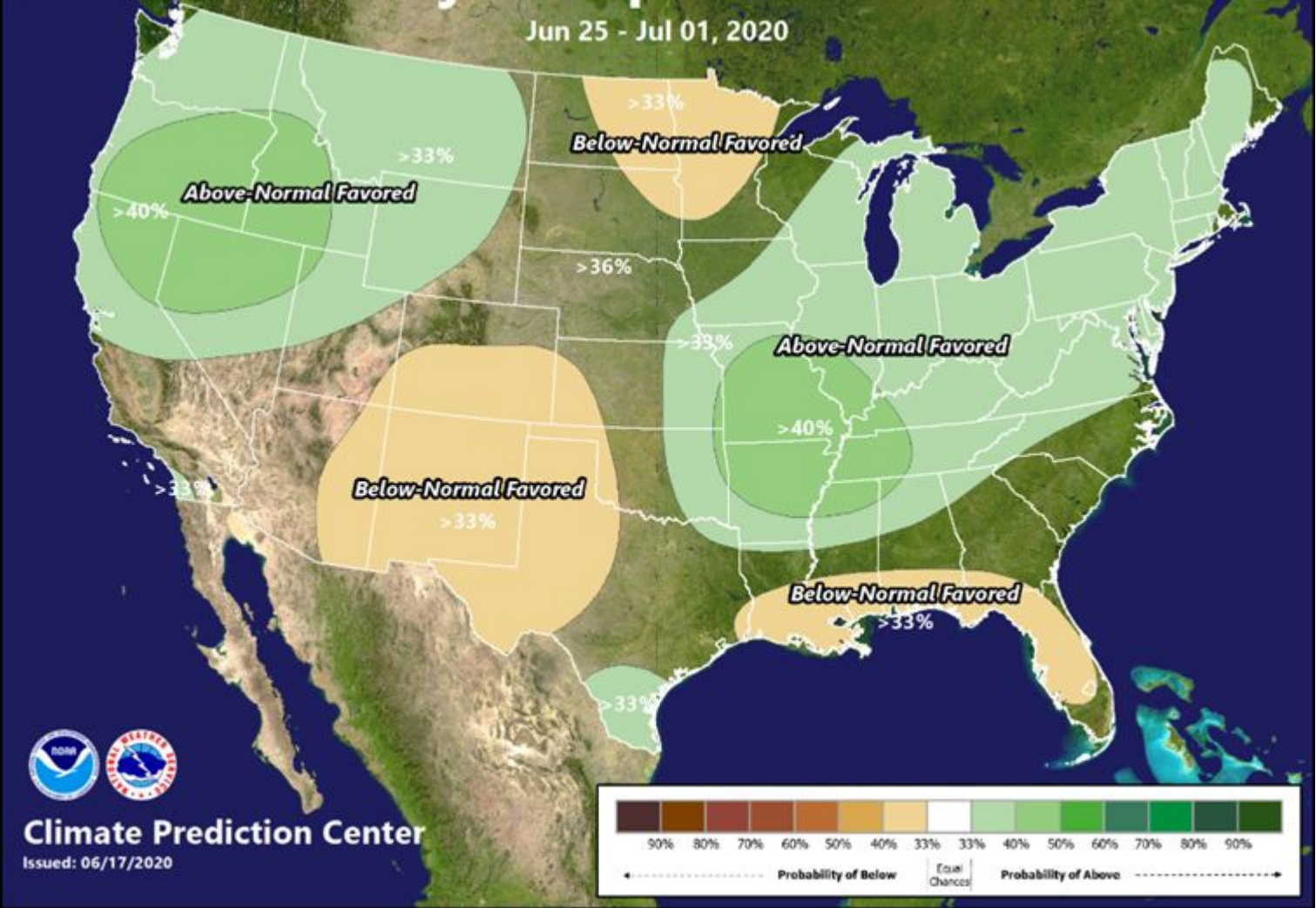


Legend	
Flooding Likely	Excessive Heat
Flooding Occurring or Imminent	High Winds
Flooding Possible	Much Above Normal Temperatures
Freezing Rain	Much Below Normal Temperatures
Heavy Ice	Significant Waves
Heavy Precipitation	Enhanced Wildfire Risk
Heavy Rain	Severe Drought
Heavy Snow	
Severe Weather	

Climate Prediction Center 8 to 14 Day Outlooks - Temperature



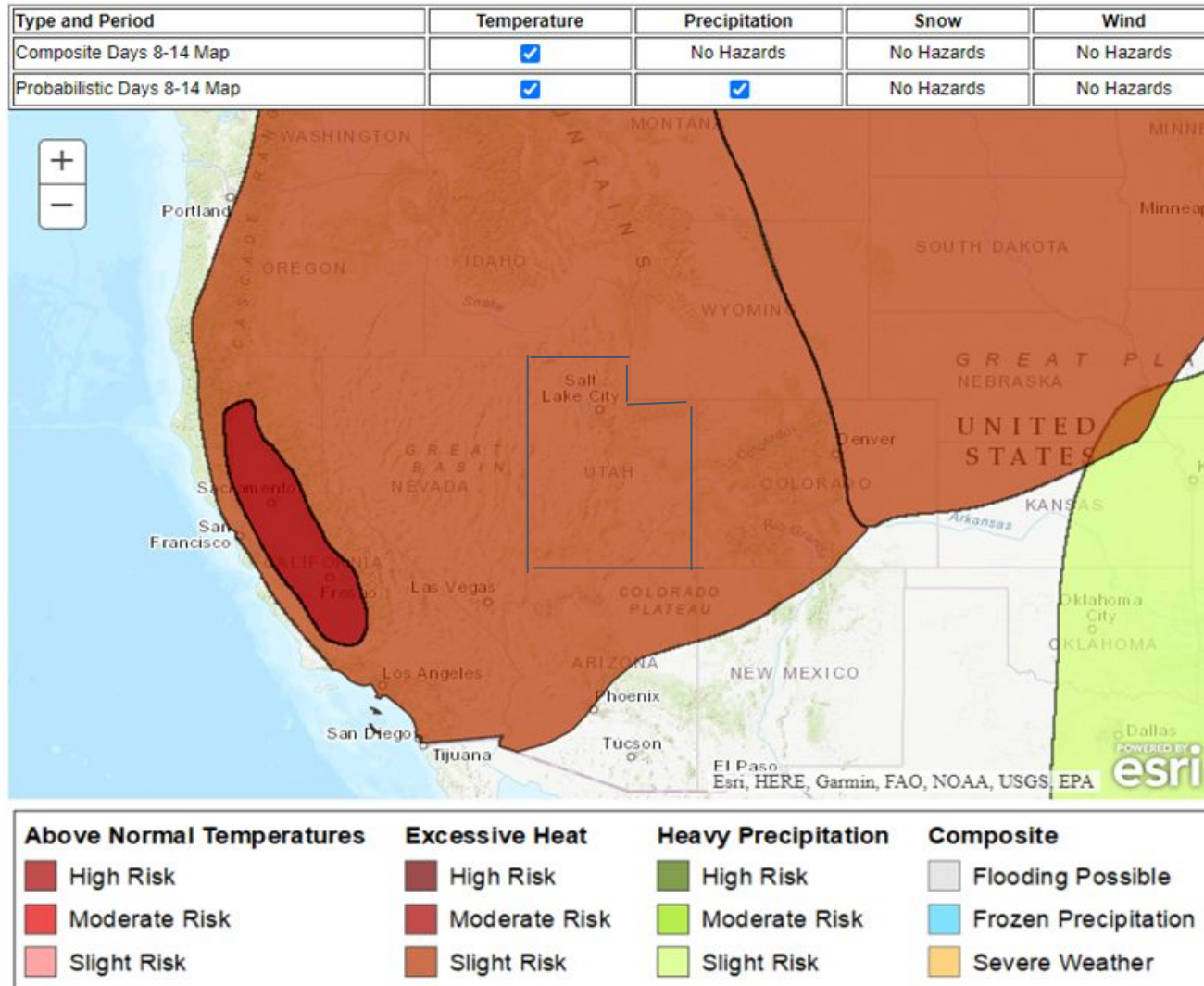
Climate Prediction Center 8 to 14 Day Outlooks - Precipitation



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



U.S. Week-2 Hazards Outlook - Made June 17, 2020 | [About the Hazards Outlook](#)



Agency - National Weather Service, Salt Lake City

Presenter - Glen Merrill

Water Supply Forecasts / Runoff (Percent of Average)

Map of seasonal water supply forecasts

Summary of conditions at:

Weber

Bear

Six Creeks

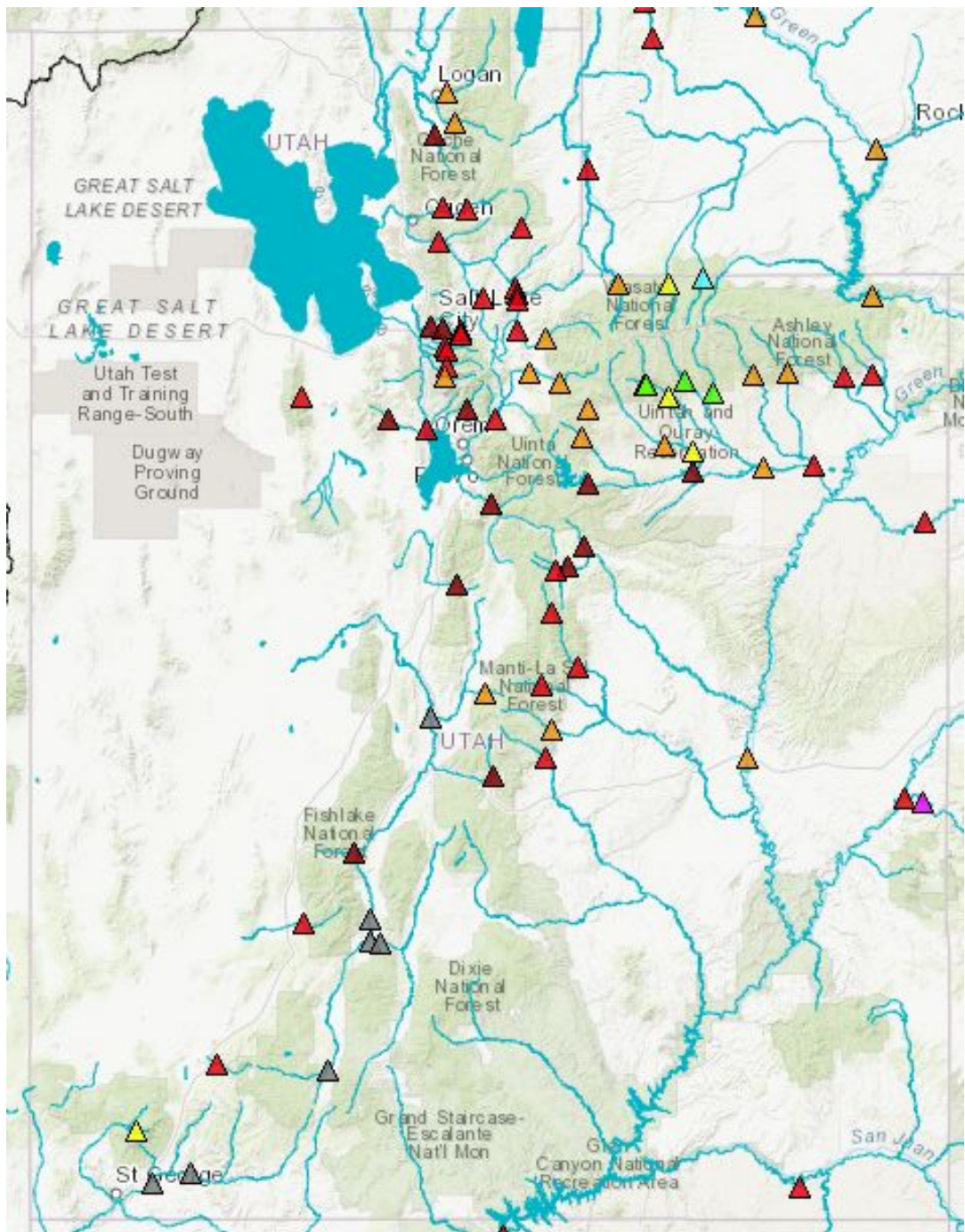
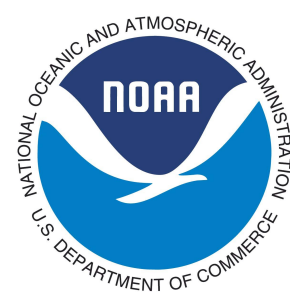
Utah Lake

Sevier

Green River

San Juan

Lake Powell



Water Supply conditions across the state are largely unchanged from the beginning of the month.

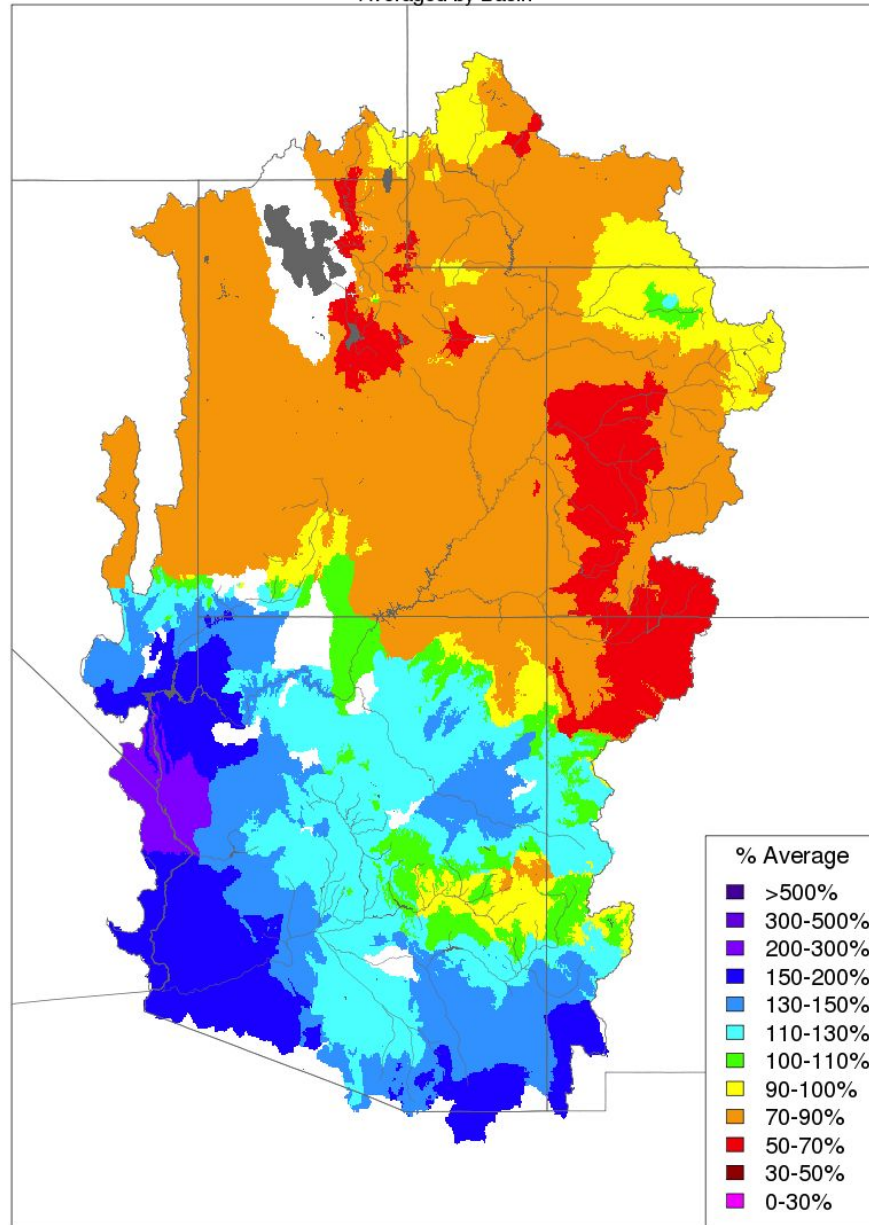
Hot, dry conditions over much of the water year have contributed to below average conditions nearly across the state.

Based on latest model guidance, some highlights:

Weber River at Oakley:	79%
Bear at the UT-WY Stateline:	88%
Big Cottonwood Creek:	68%
Provo near Hailstone:	80%
Sevier near Kingston (regulated):	58%
Green near Warren Bridge:	96%
San Juan near Bluff:	50%
Lake Powell:	57%

Water Year Precipitation, October 2019 - May 2020

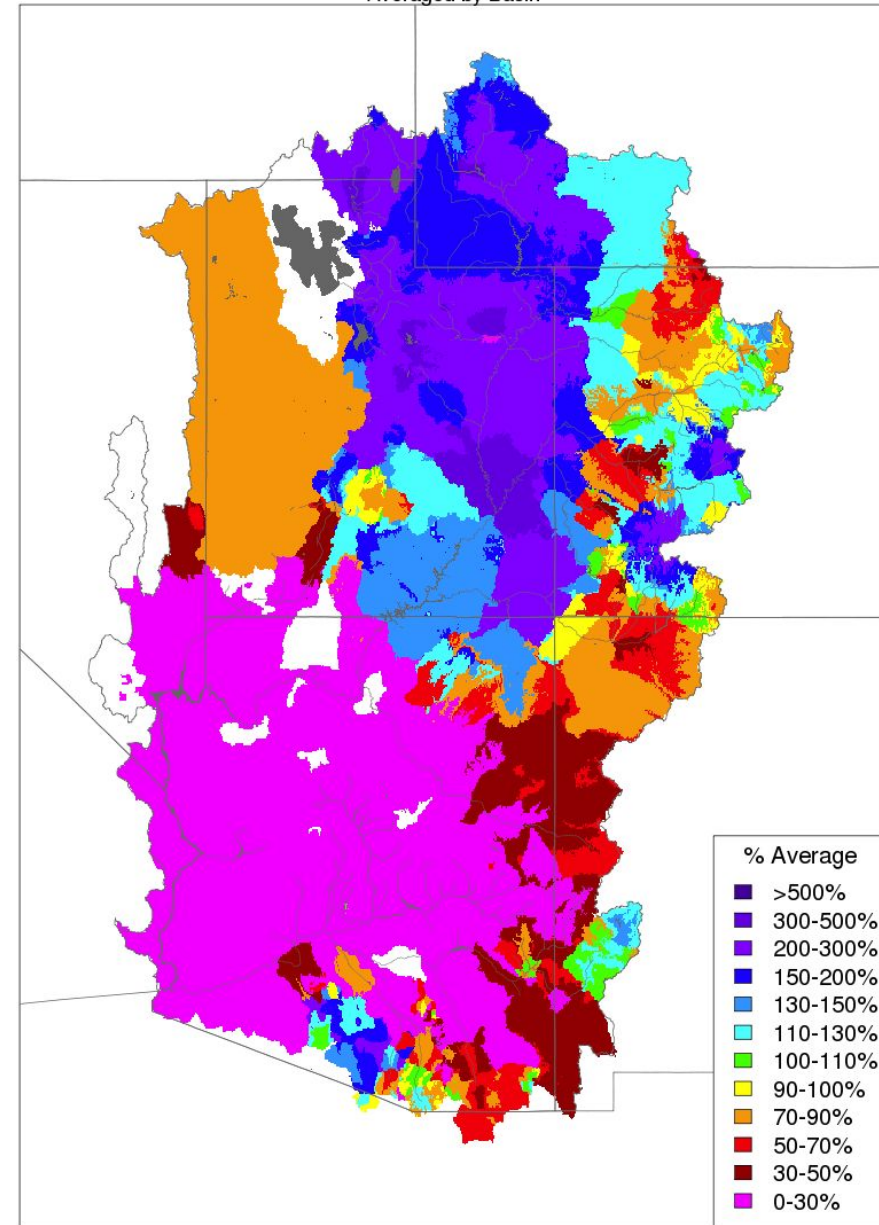
Averaged by Basin



Prepared by NOAA, Colorado Basin River Forecast Center
Salt Lake City, Utah, www.cbrfc.noaa.gov

Month to Date Precipitation - June 17 2020

Averaged by Basin

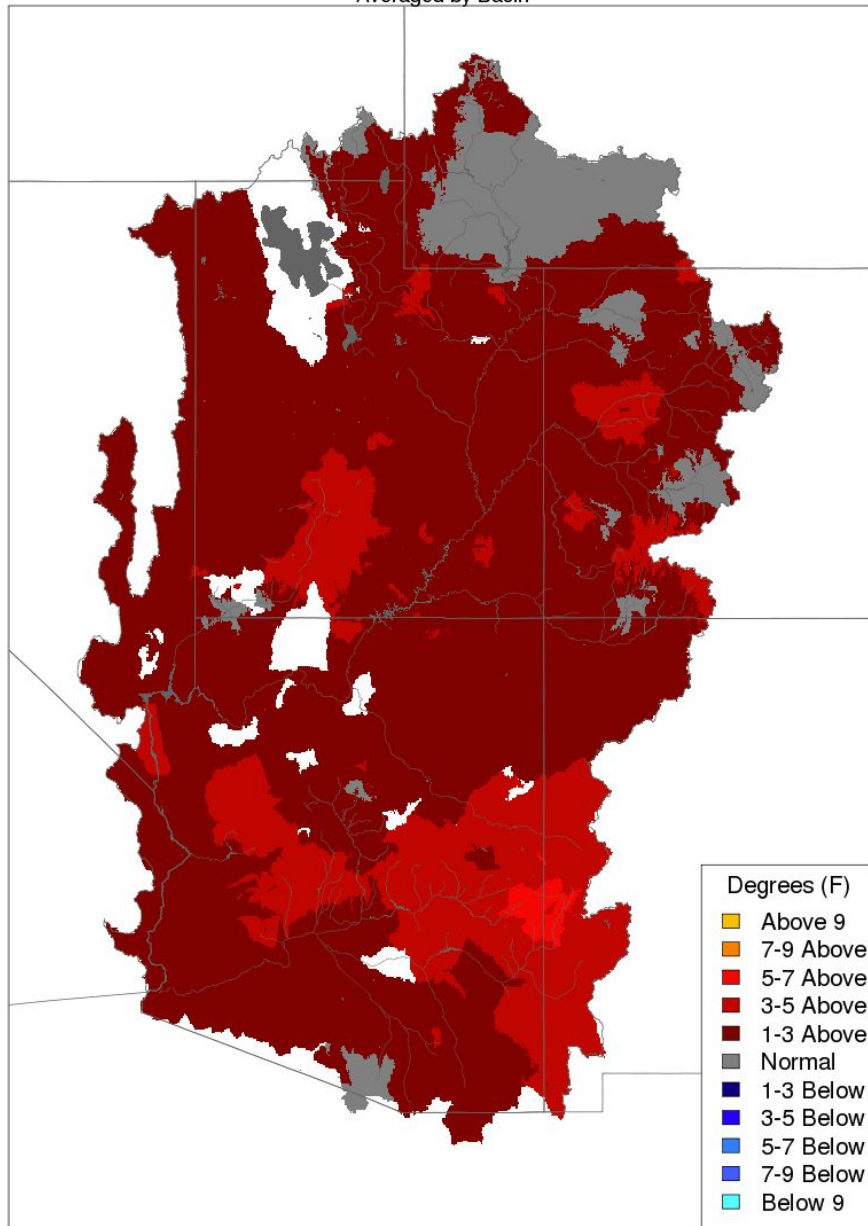


Prepared by NOAA, Colorado Basin River Forecast Center
Salt Lake City, Utah, www.cbrfc.noaa.gov



Min Temp - Monthly Deviation - May 2020

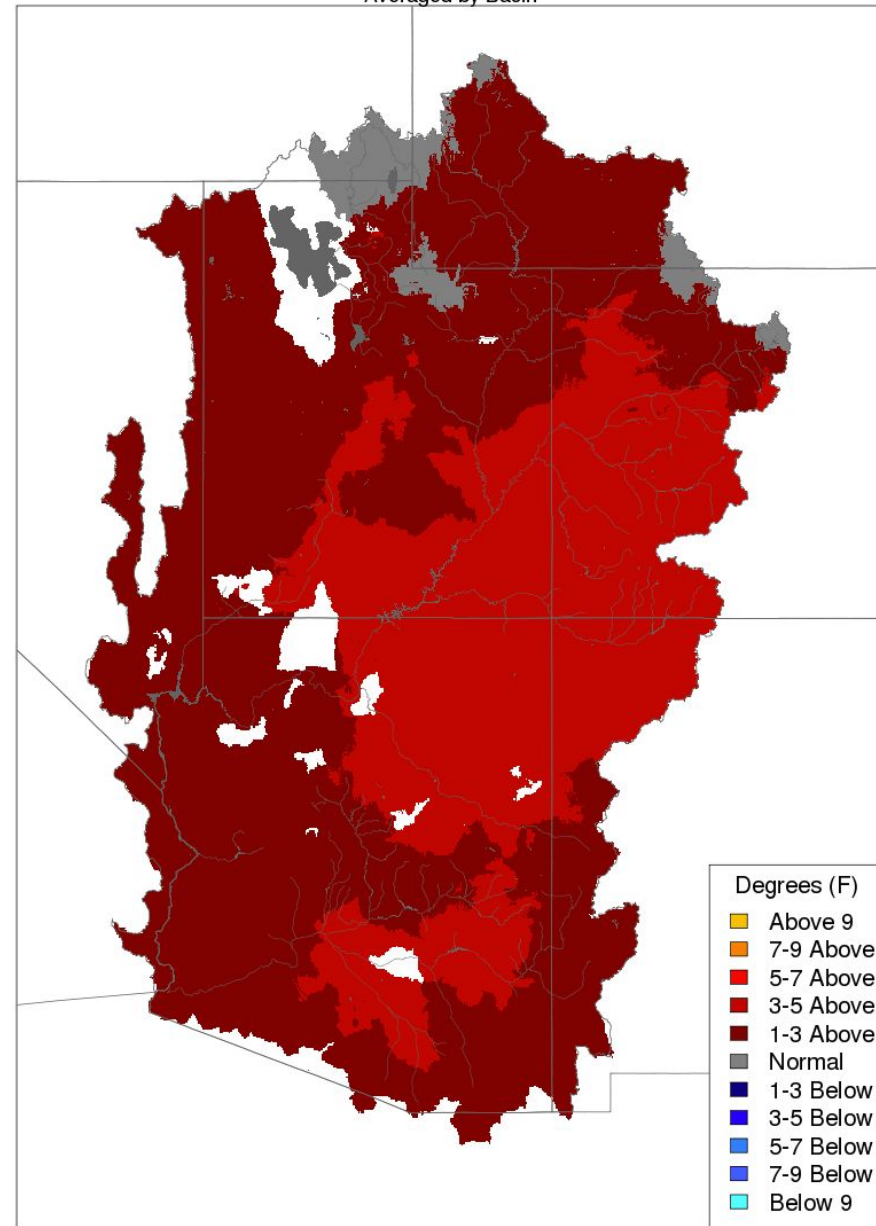
Averaged by Basin



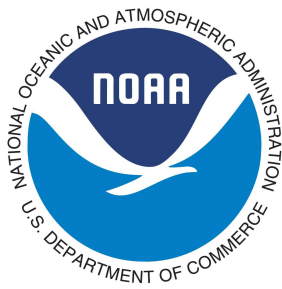
Prepared by NOAA, Colorado Basin River Forecast Center
Salt Lake City, Utah, www.cbrfc.noaa.gov

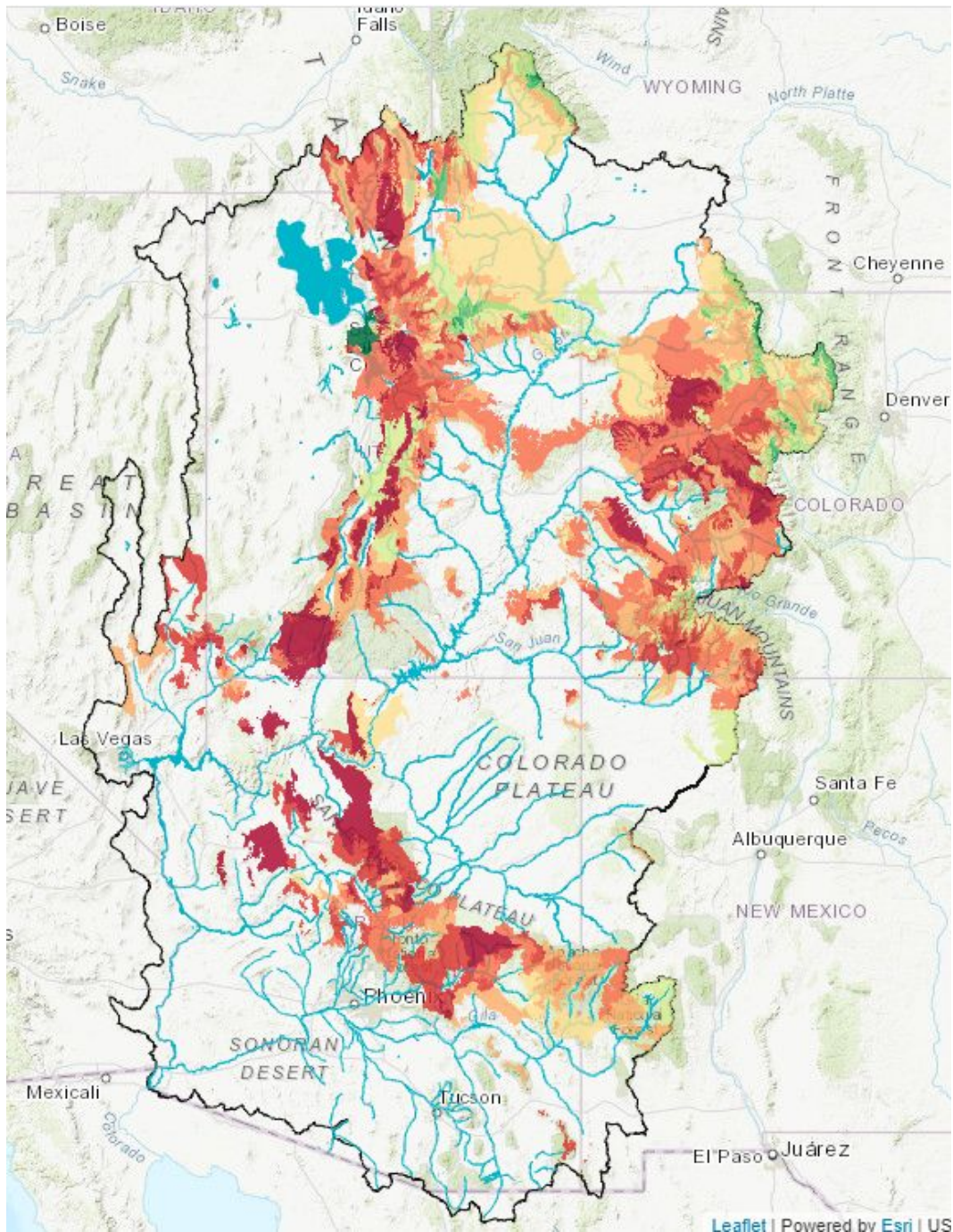
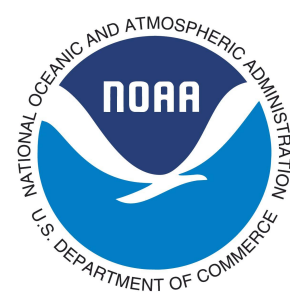
Max Temp - Monthly Deviation - May 2020

Averaged by Basin



Prepared by NOAA, Colorado Basin River Forecast Center
Salt Lake City, Utah, www.cbrfc.noaa.gov





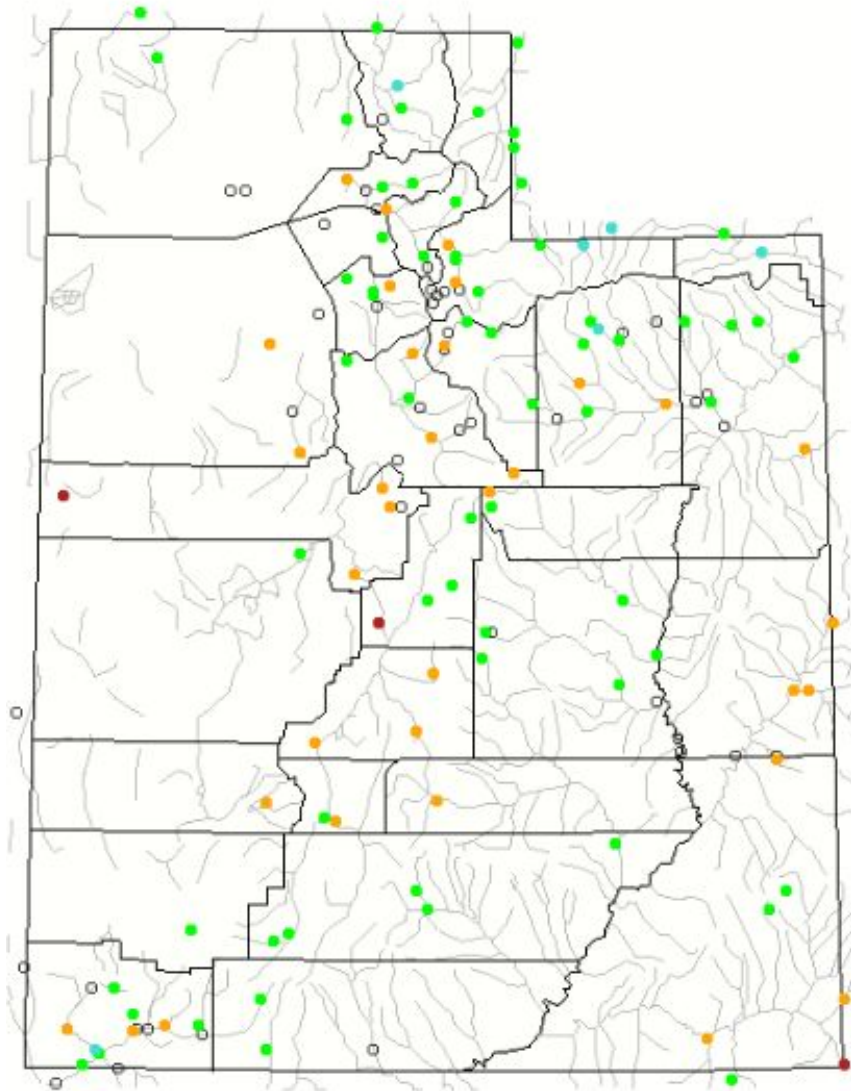
What's next for the CBRFC?









Continue decision support for agencies after the water supply season has ended

After water supply, we focus on developing and improving our model, products, and services

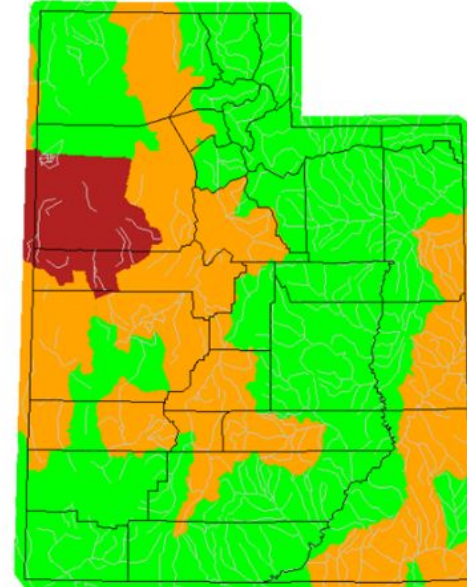
Data collection and getting model soil moisture states as correct as possible after the irrigation season ends and streamflow gages begin to freeze

Great time to reach out to us and let us know what you need












Explanation - Percentile classes							
							
Low	<10 Much below normal	10-24 Below normal	25-75 Normal	76-90 Above normal	>90 Much above normal	High	Not-ranked

Wednesday, June 17, 2020

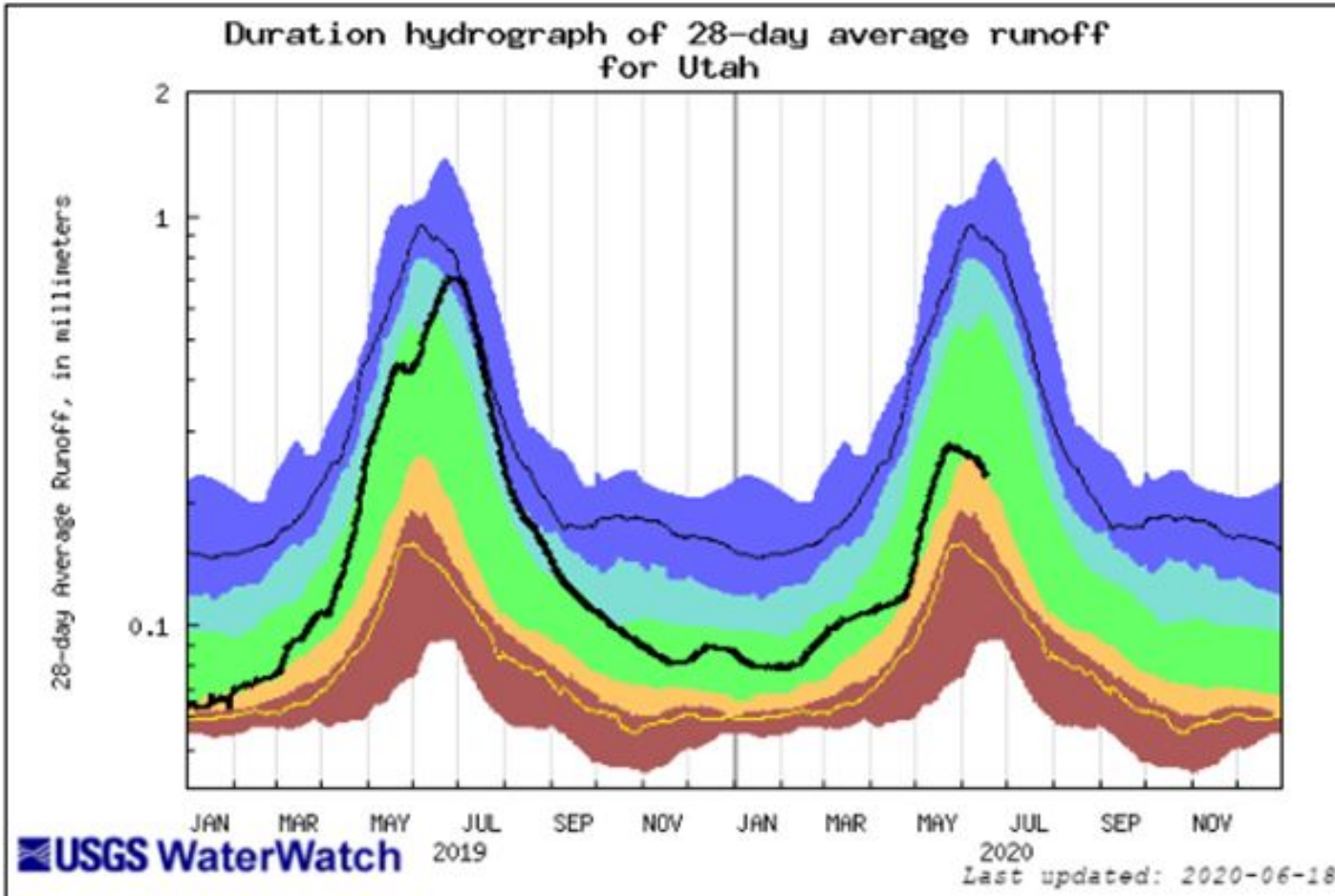


SGS

Explanation - Percentile classes							
							
Low	<10 Much below normal	10-24 Below normal	25-75 Normal	76-90 Above normal	>90 Much above normal	High	No Data

-  **28-day average stream flows**
-  **Open circles indicate sites with insufficient record to compute statistic (30 years of record required)**
-  **Color Map of Utah shows extrapolated stream flows per Hydrologic Unit Code (HUC)**

For some streams, flow statistics may have been computed from mixed regulated and unregulated flows; this can affect depictions of flow conditions.



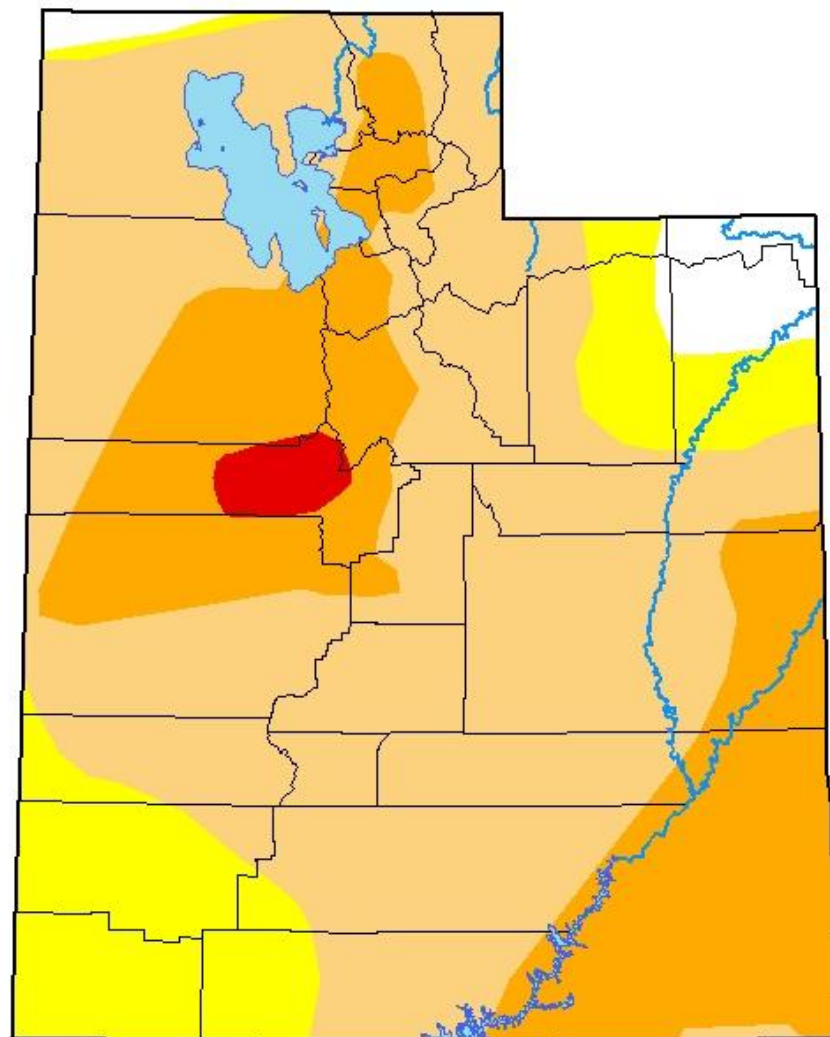
- ❑ **2020 average statewide runoff less than 2019**
- ❑ **You can produce similar plots for individual gages at <https://waterwatch.usgs.gov/>**
- ❑ **Note percentile classes in explanation below**

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		Runoff






U.S. Drought Monitor

Utah

June 16, 2020
(Released Thursday, Jun. 18, 2020)
Valid 8 a.m. EDT



Intensity:

-  None
-  D0 Abnormally Dry
-  D1 Moderate Drought
-  D2 Severe Drought
-  D3 Extreme Drought
-  D4 Exceptional Drought

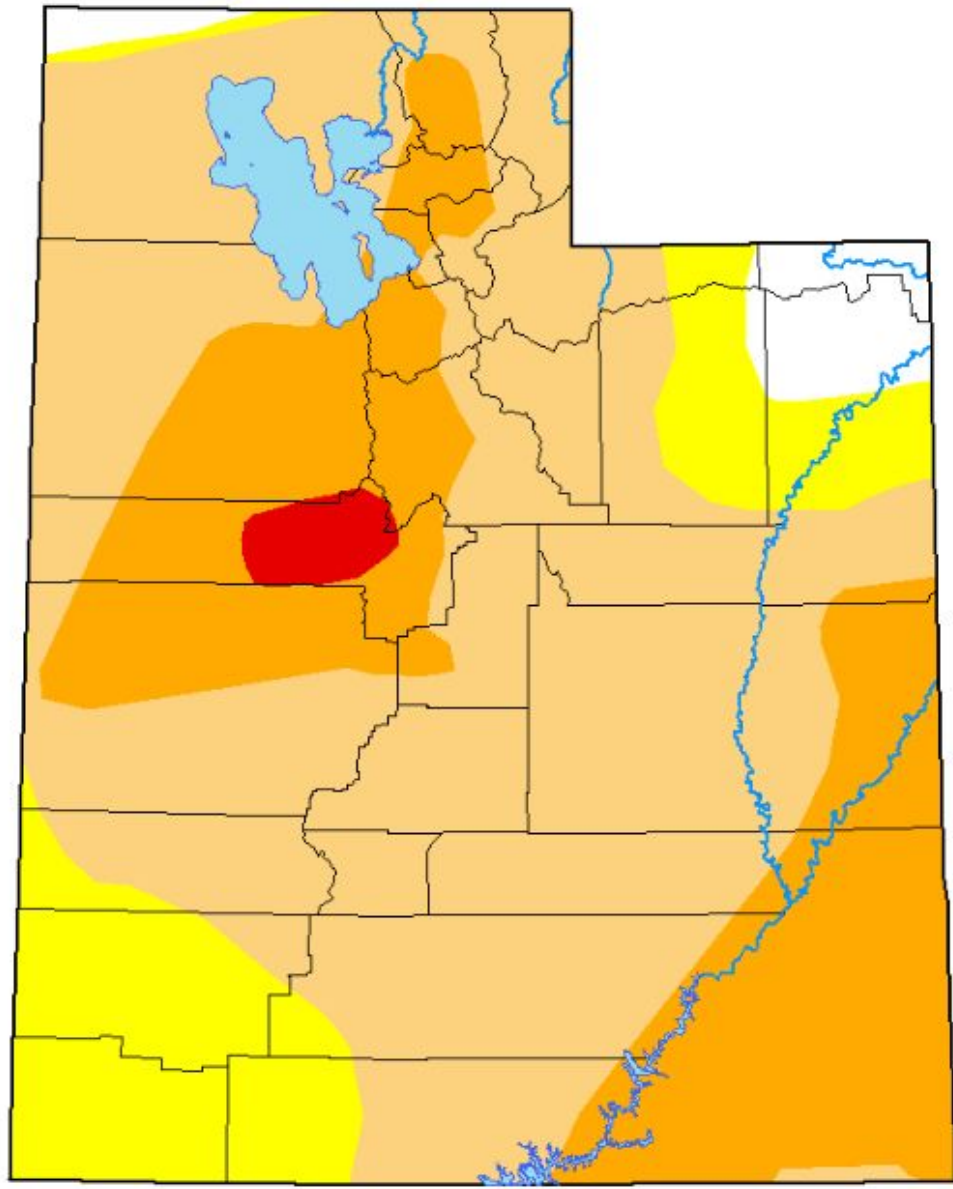
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

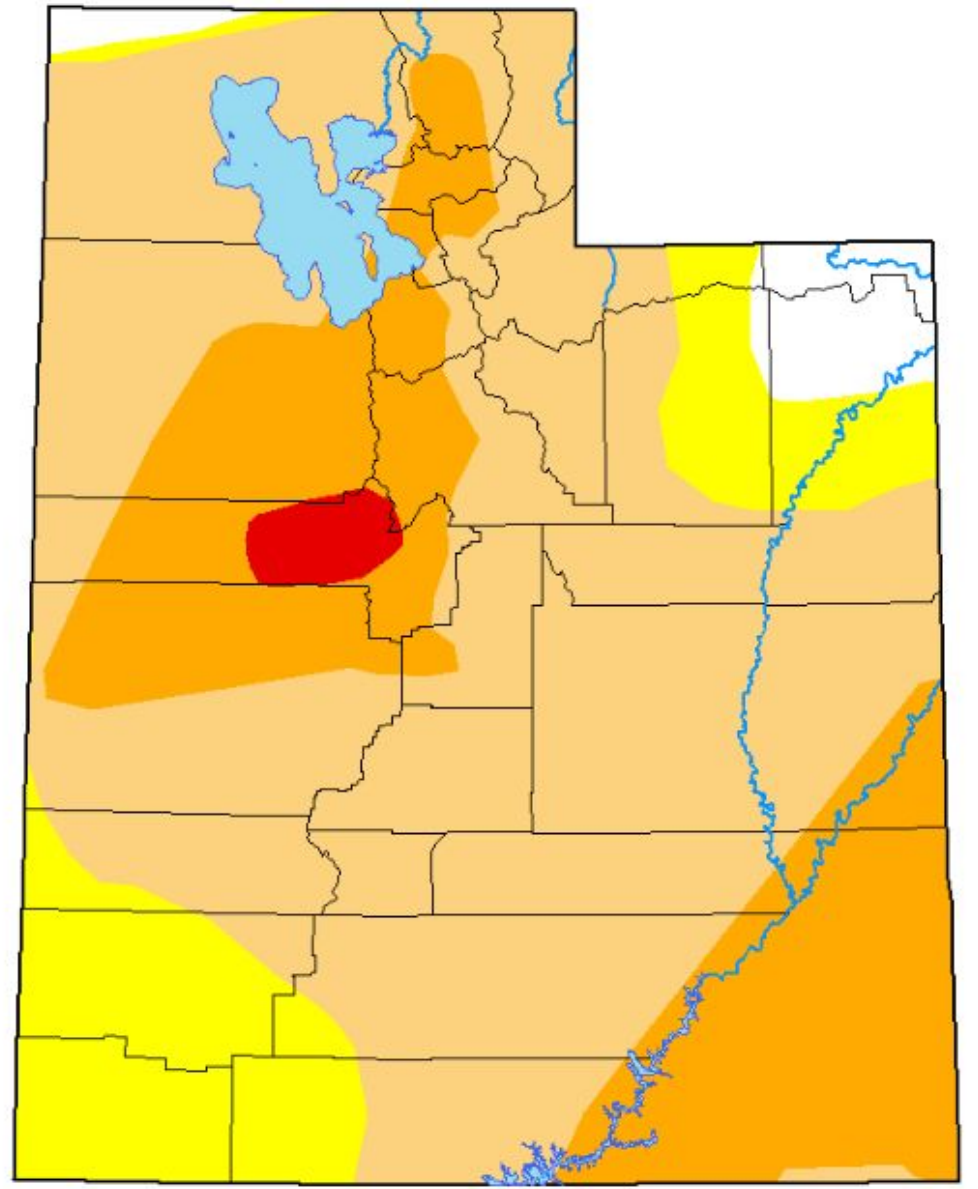
Richard Tinker
CPC/NOAA/NWS/NCEP



droughtmonitor.unl.edu



◀ June 16, 2020 ▶

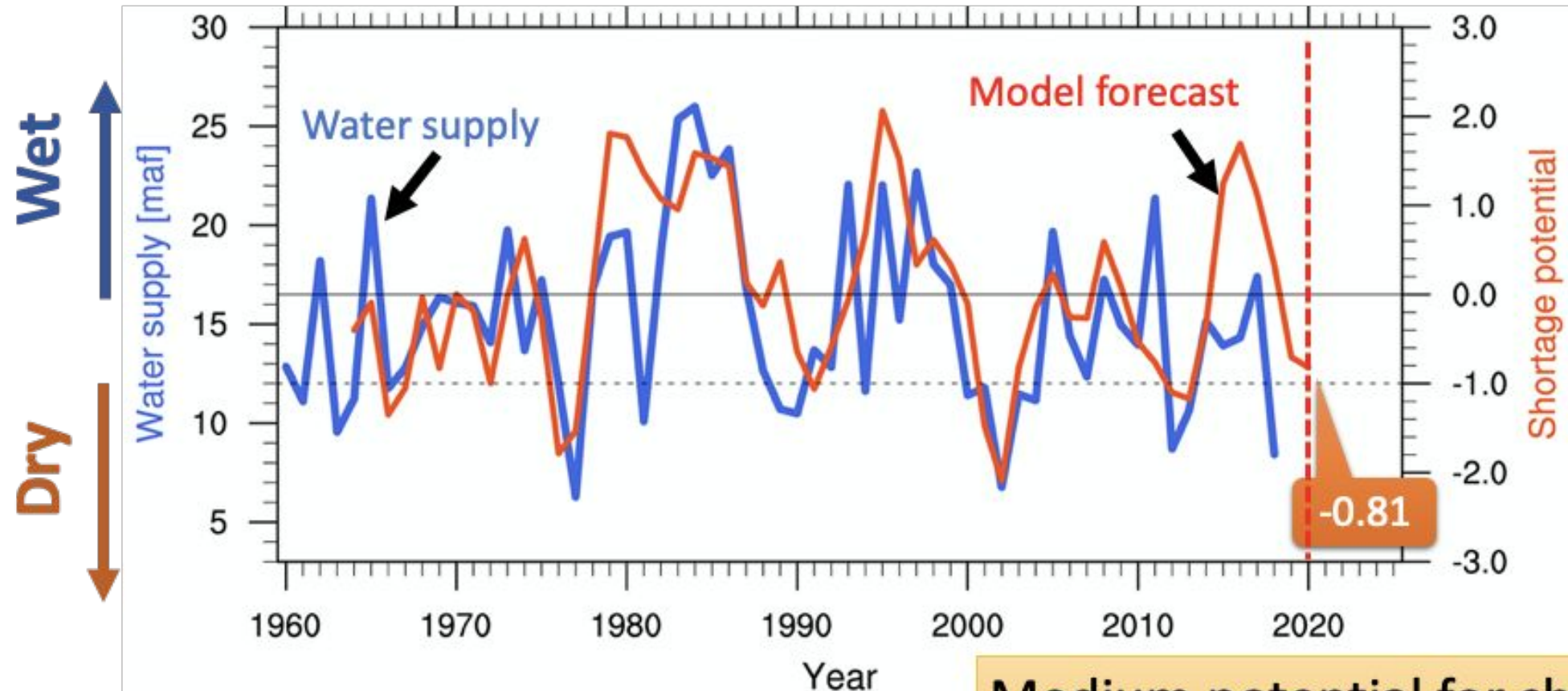


◀ June 9, 2020 ▶

Prediction for 2020 Colorado River water supply

Preliminary result

Annual mean Colorado River water supply



(Chikamoto, Wang, Gillies et al., 2020; in revision)

Medium potential for shortage