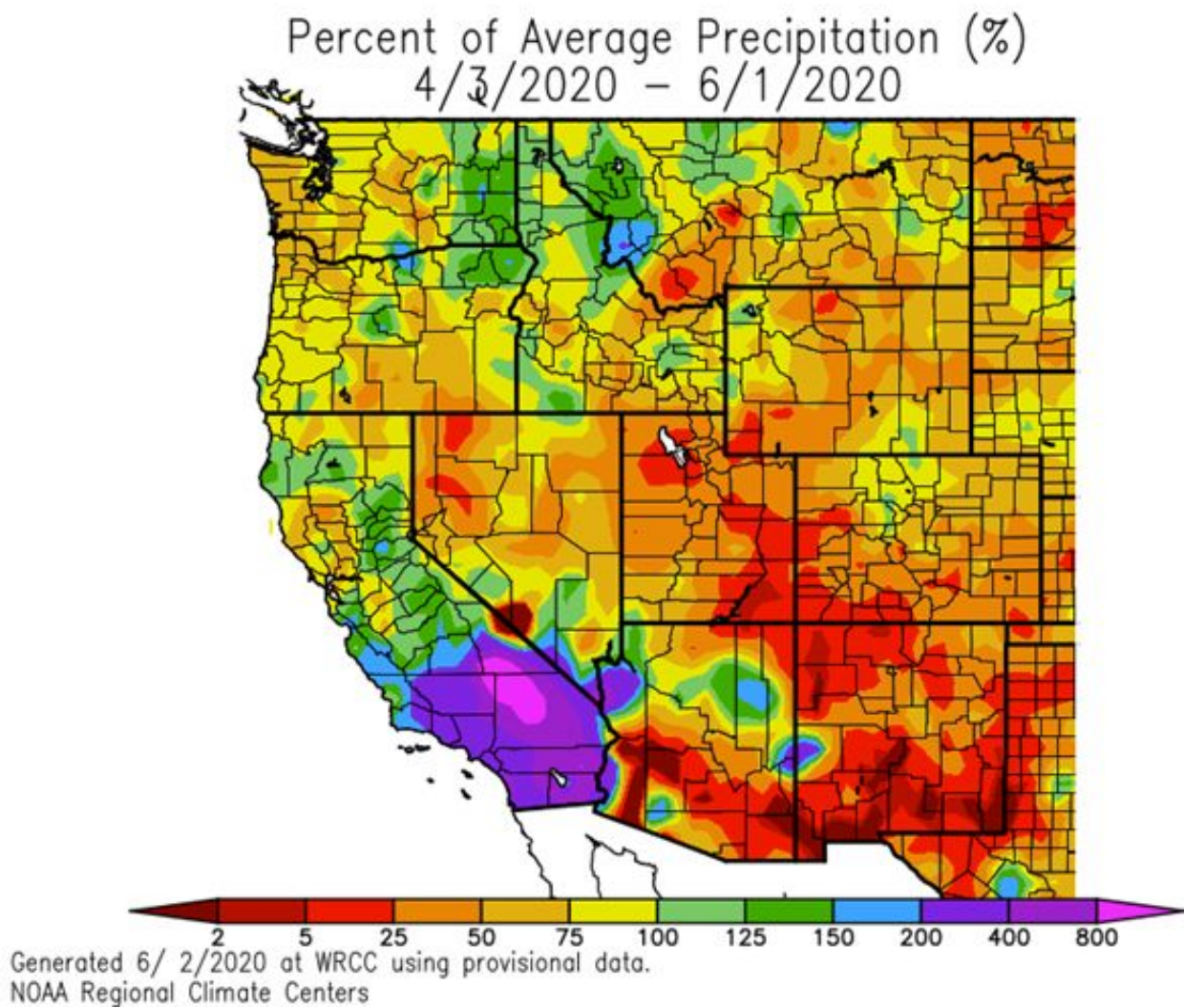
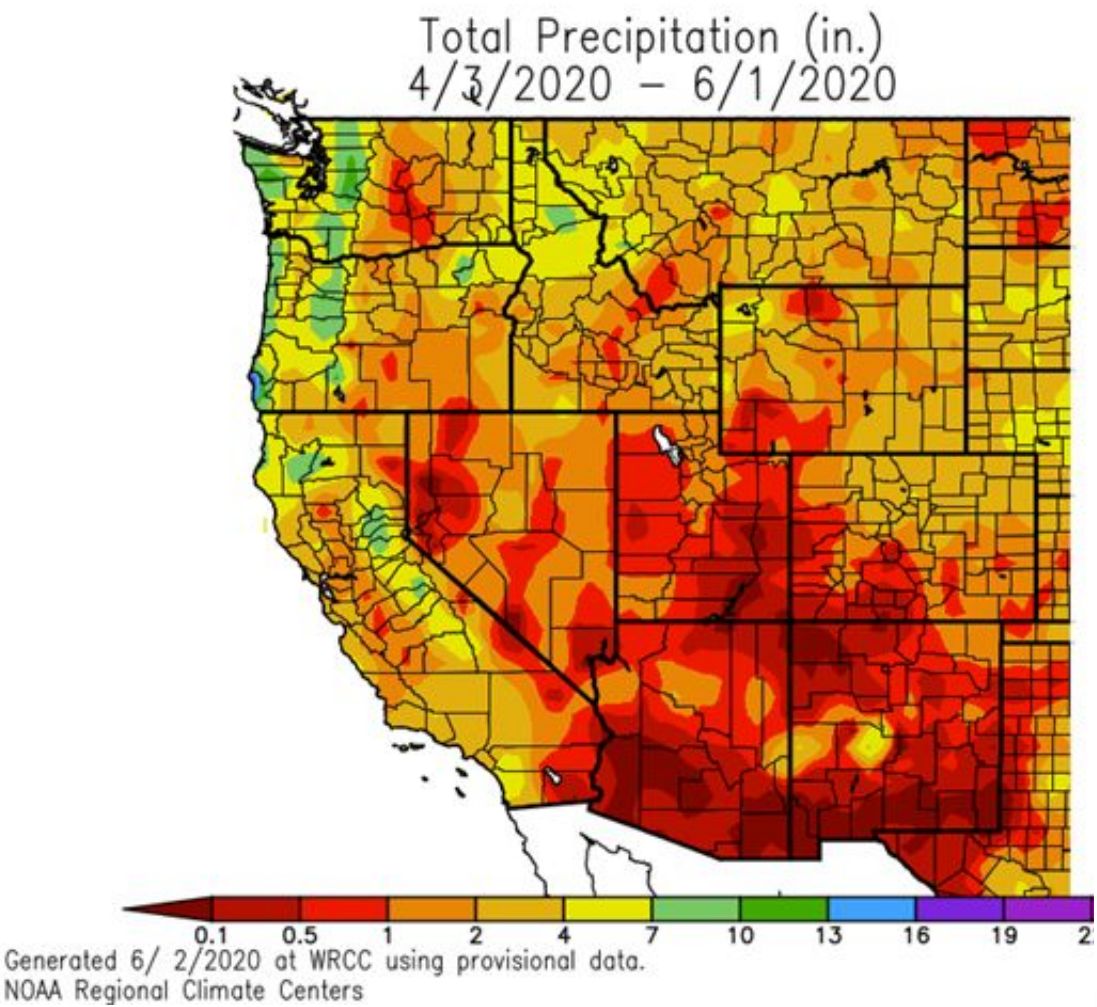




# **Utah Drought Monitor Feedback Webinar**

**June 4, 2020**

# Precipitation 60 day history (Total & Percent of Average)

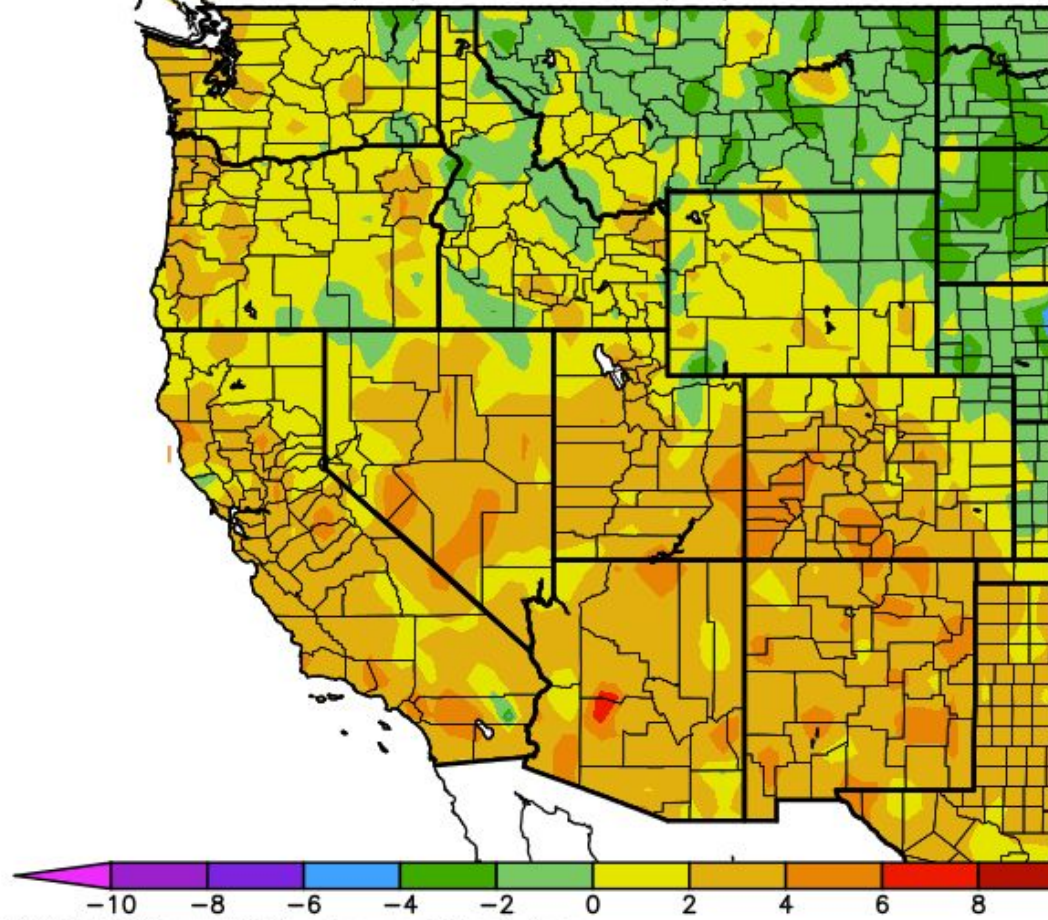


Agency - Utah Climate Center  
Presenter - Jon Meyer



# Temperature 30 day history (Max & Avg Departure from normal)

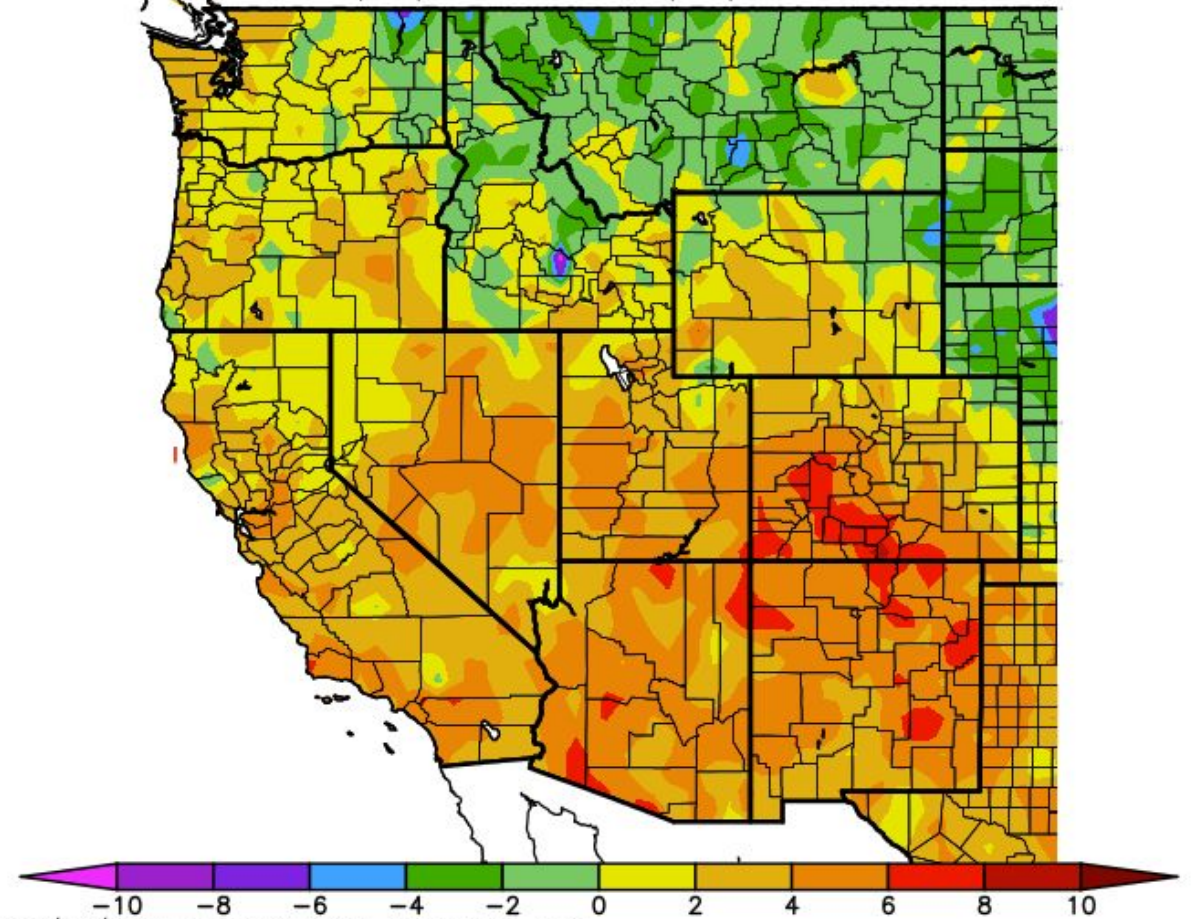
Ave. Temperature dep from Ave (deg F)  
5/3/2020 – 6/1/2020



Generated 6/ 2/2020 at WRCC using provisional data.  
NOAA Regional Climate Centers

**Agency - Utah Climate Center**  
**Presenter - Jon Meyer**

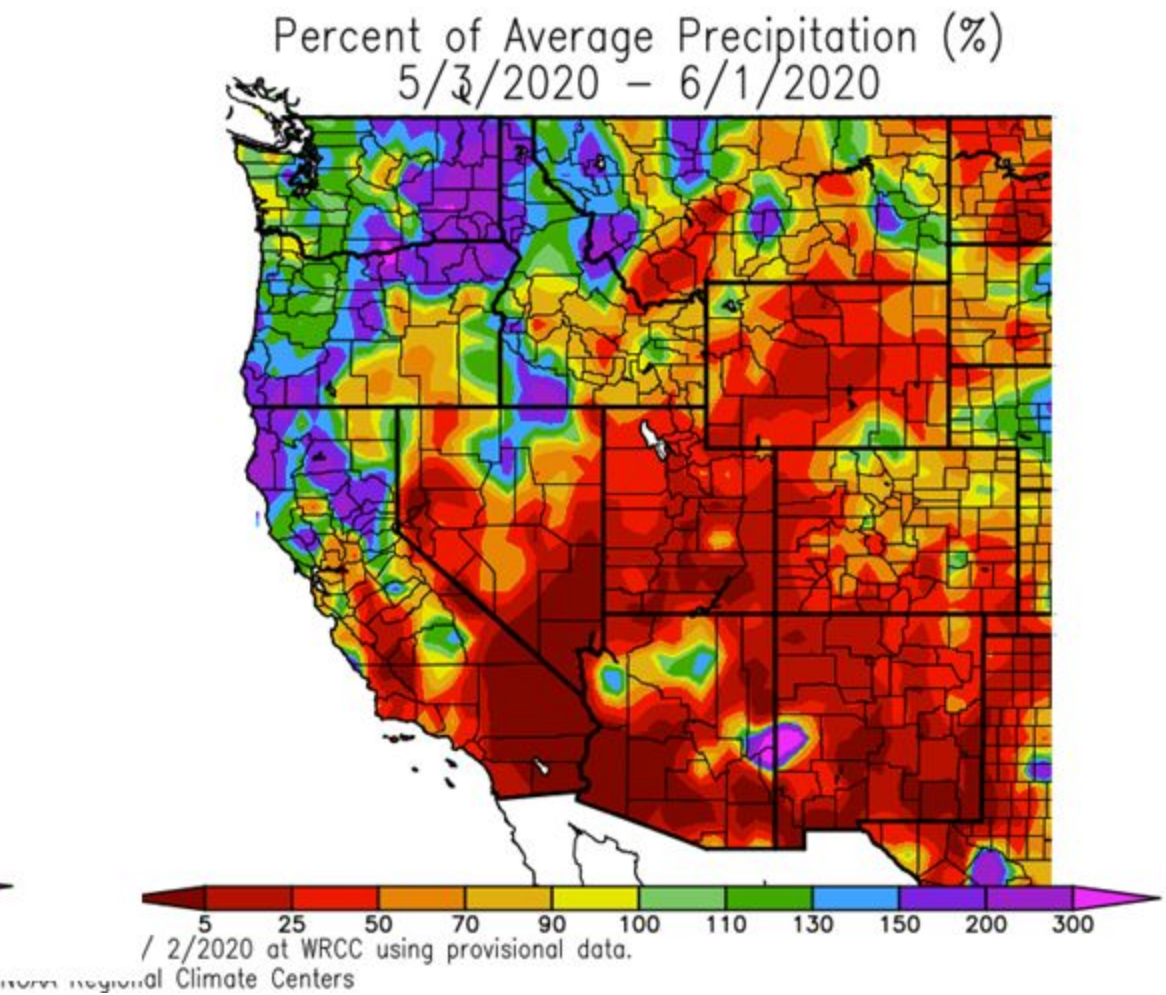
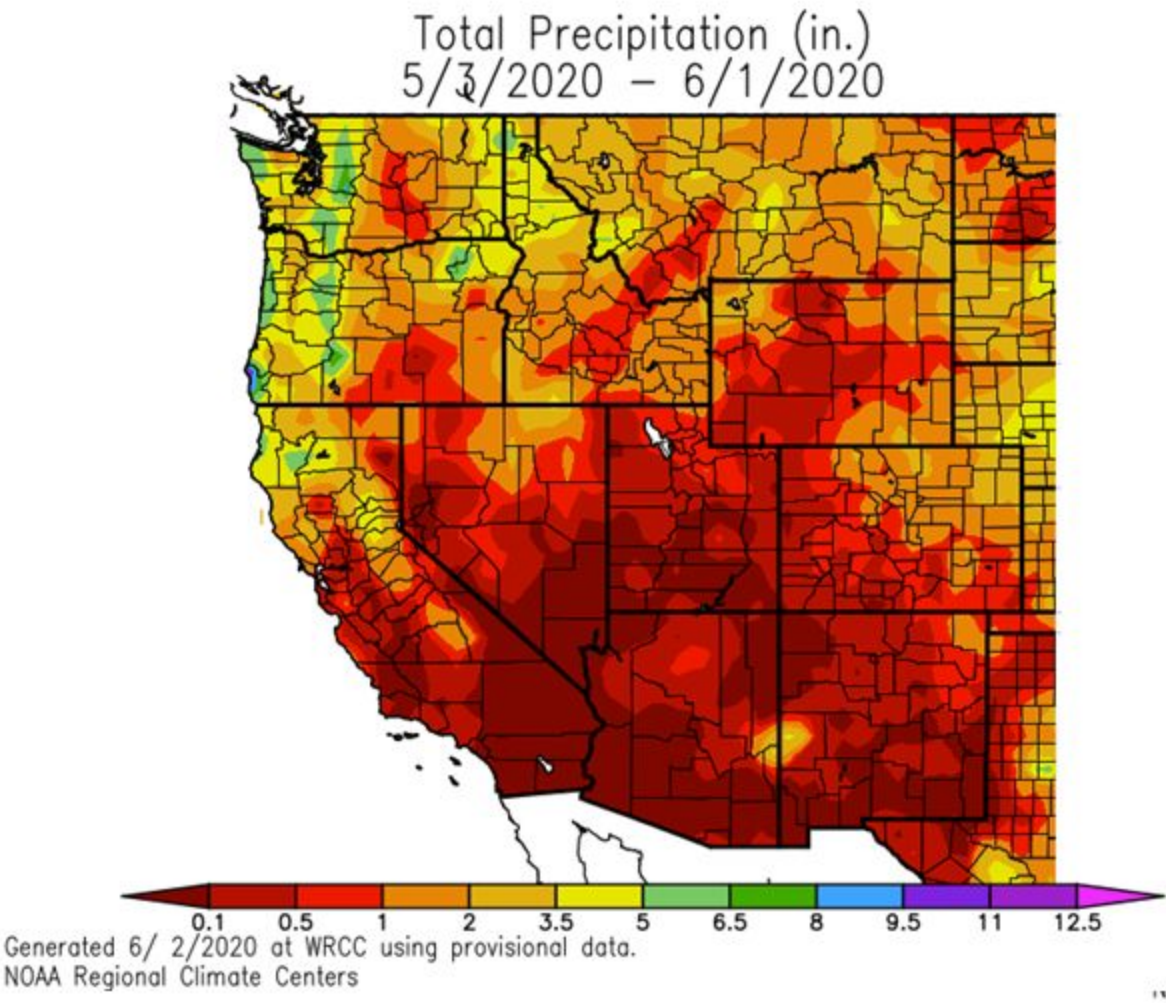
Av. Max. Temperature dep from Ave (deg F)  
5/3/2020 – 6/1/2020



Generated 6/ 2/2020 at WRCC using provisional data.  
NOAA Regional Climate Centers



# Precipitation 30 day history (Percent of Average)



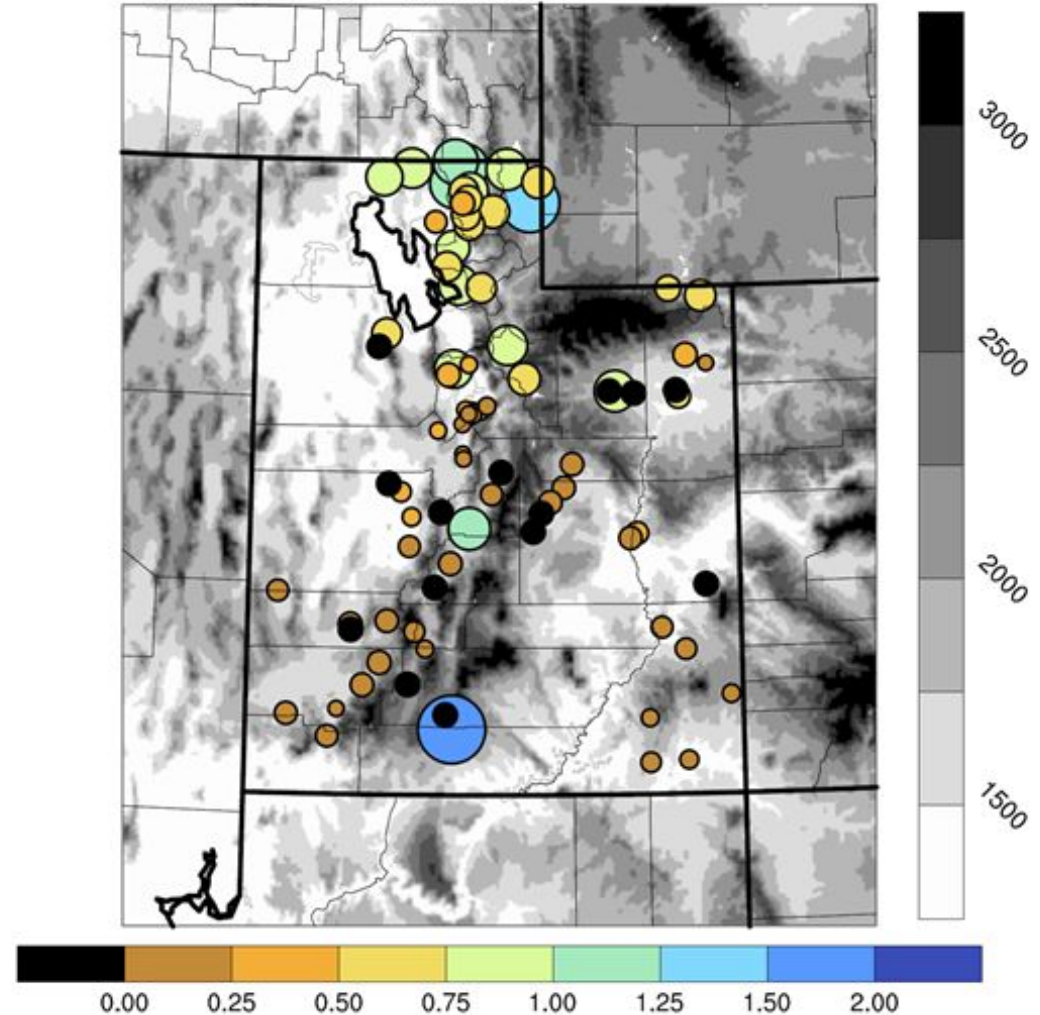
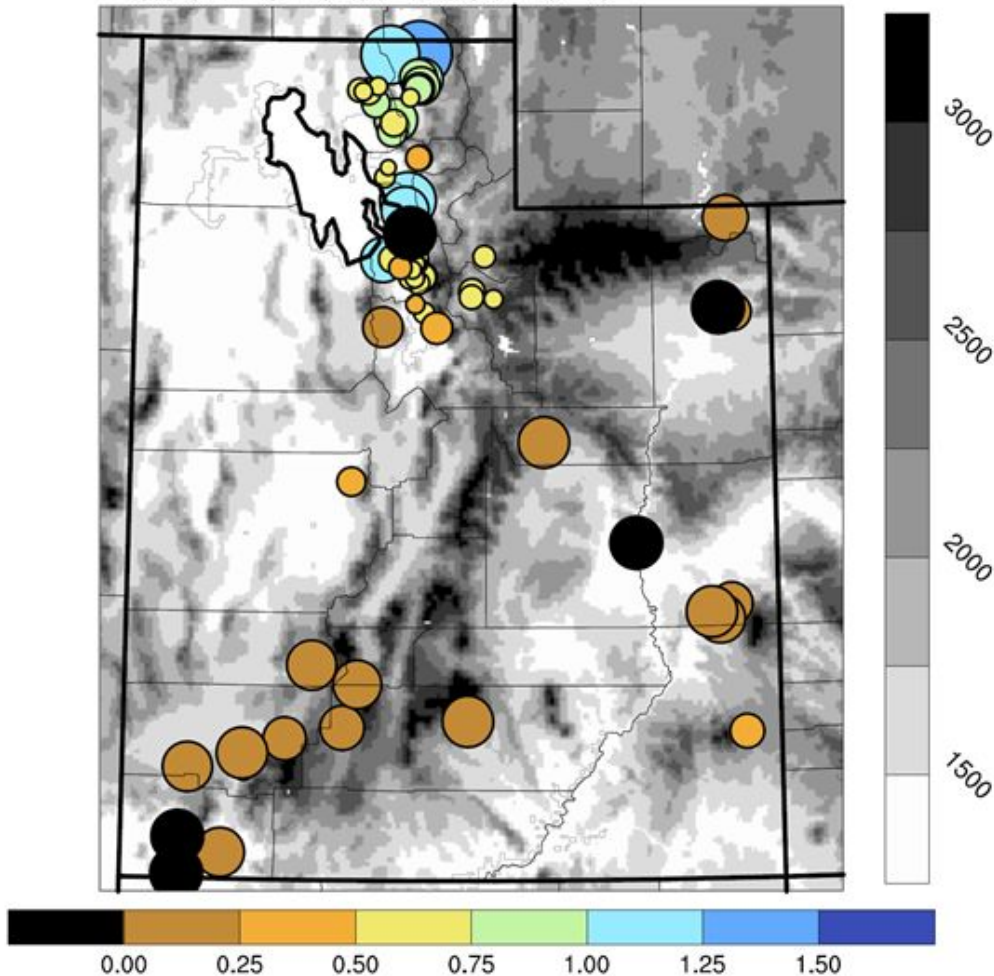
# Surface station Observations: Month

CoCoRaHS

UCC Stations

**CoCoRaHS Total Liquid Precip:  
05012020 to 06032020**

**UCC Stations: Total Liquid Precip:  
2020-5-1 to 2020-6-3**



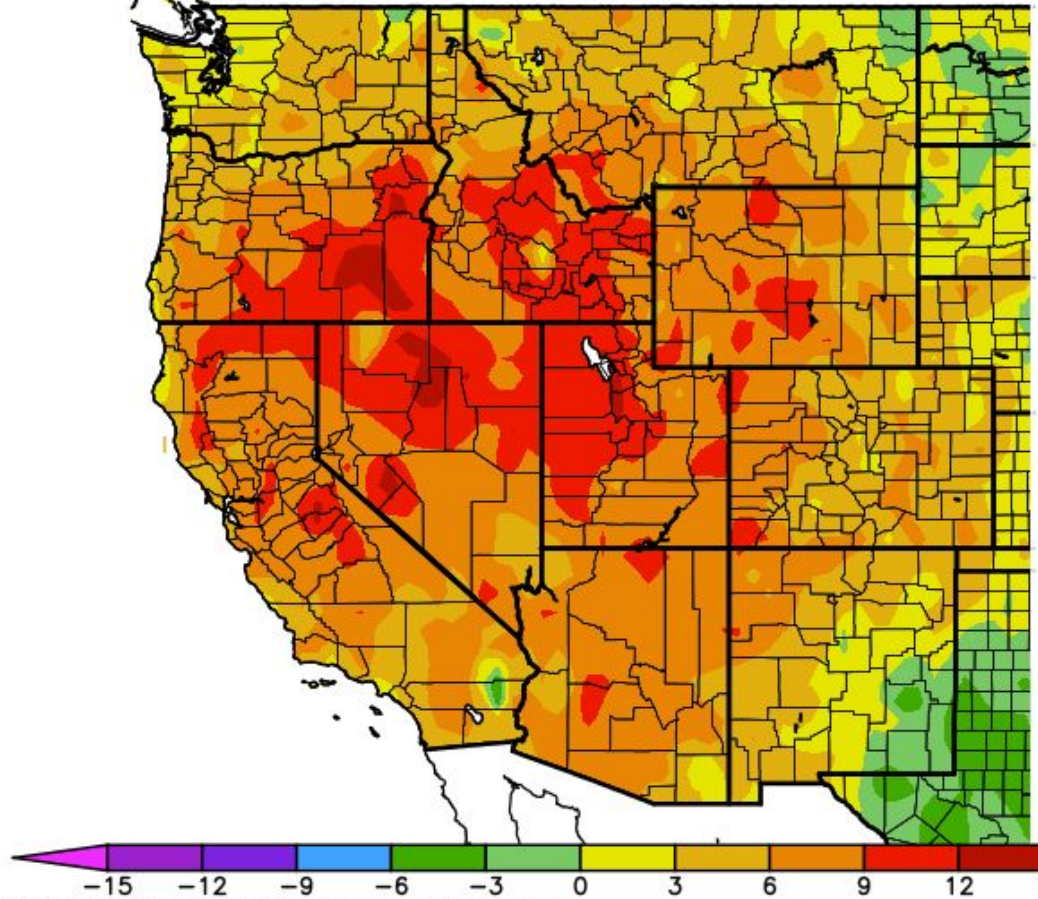
Agency - Utah Climate Center

Presenter - Jon Meyer



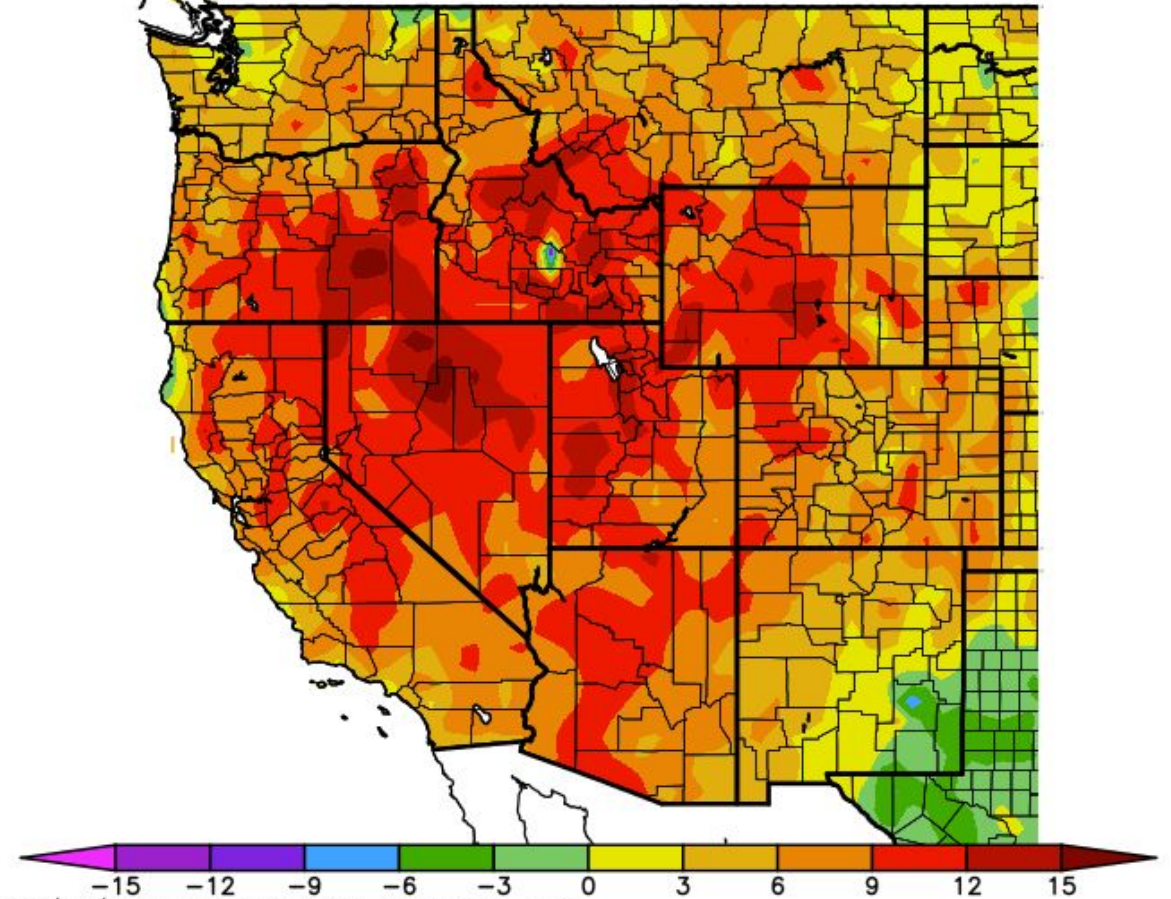
# Temperature 7 day history (Max & Avg Departure from normal)

Ave. Temperature dep from Ave (deg F)  
5/26/2020 – 6/1/2020



Generated 6/ 2/2020 at WRCC using provisional data.  
NOAA Regional Climate Centers

Av. Max. Temperature dep from Ave (deg F)  
5/26/2020 – 6/1/2020



Generated 6/ 2/2020 at WRCC using provisional data.  
NOAA Regional Climate Centers

<https://wrcc.dri.edu/anom/>

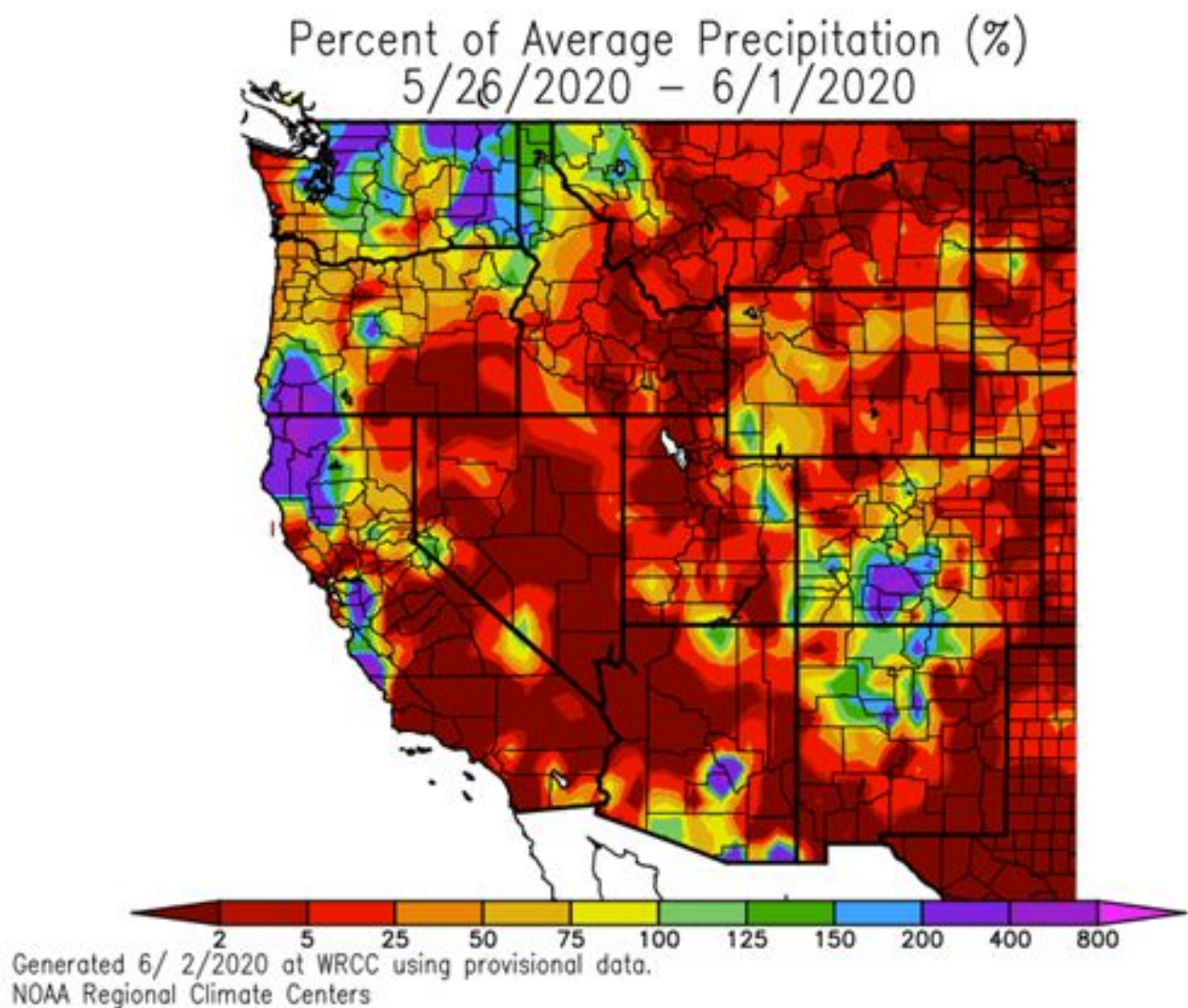
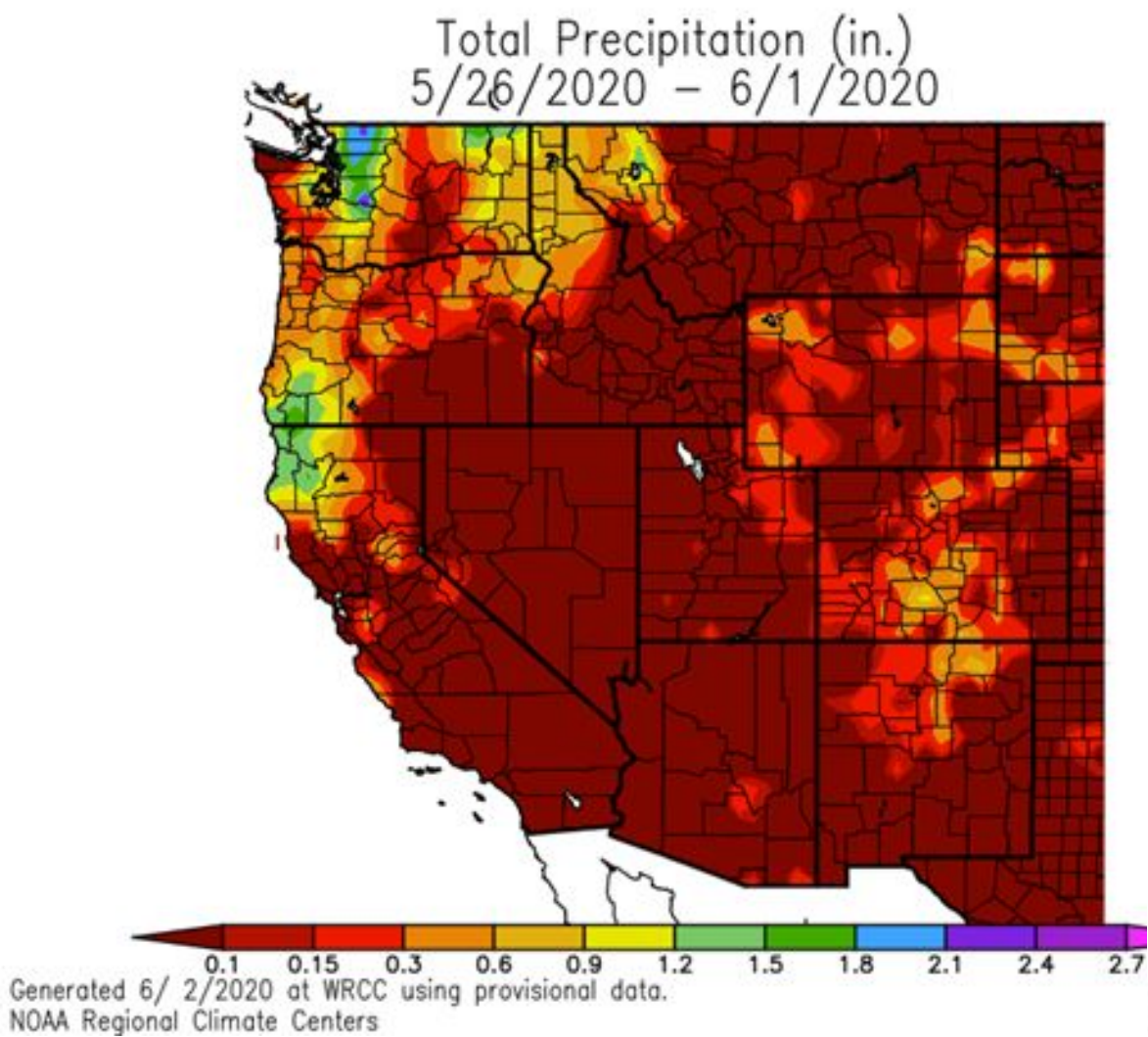
Agency - Utah Climate Center

Presenter -

Presenter - Jon Meyer



# Precipitation 7 day history (Total & Percent of Average)



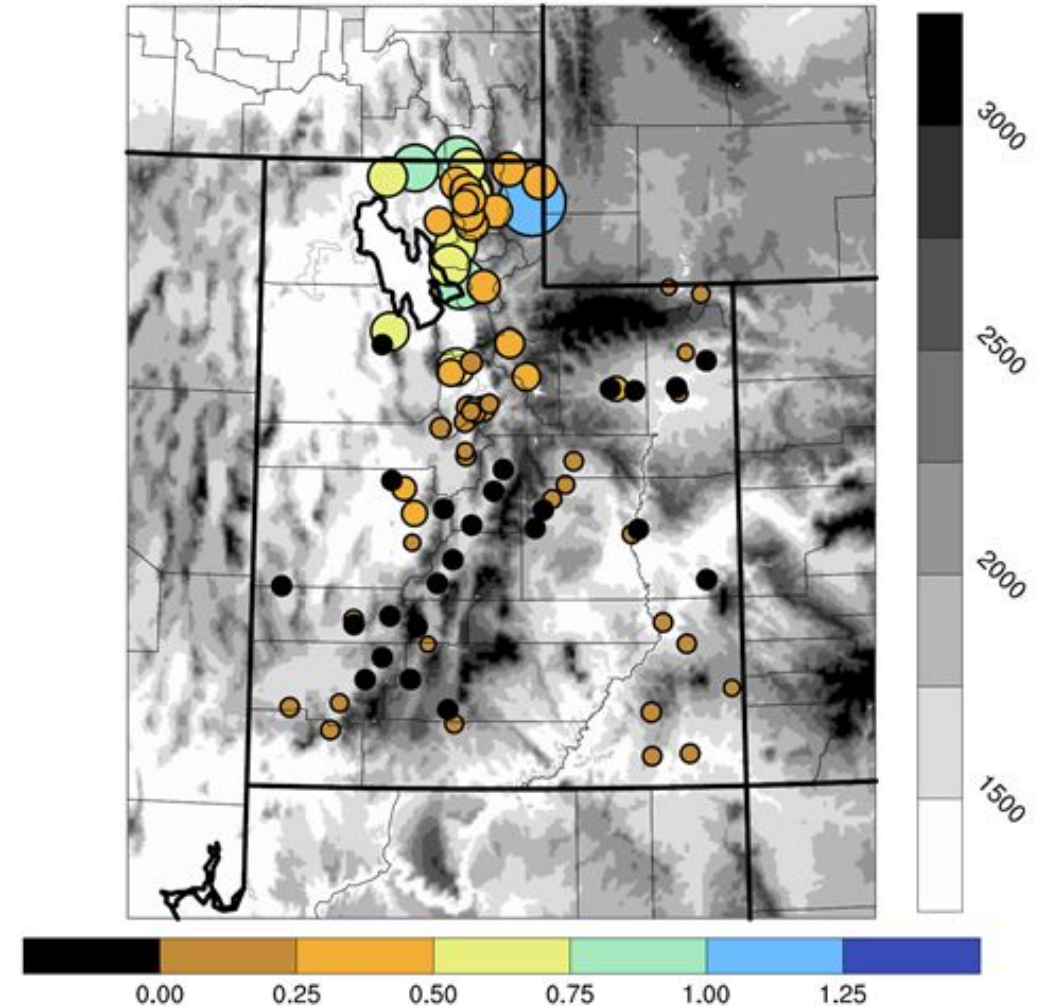
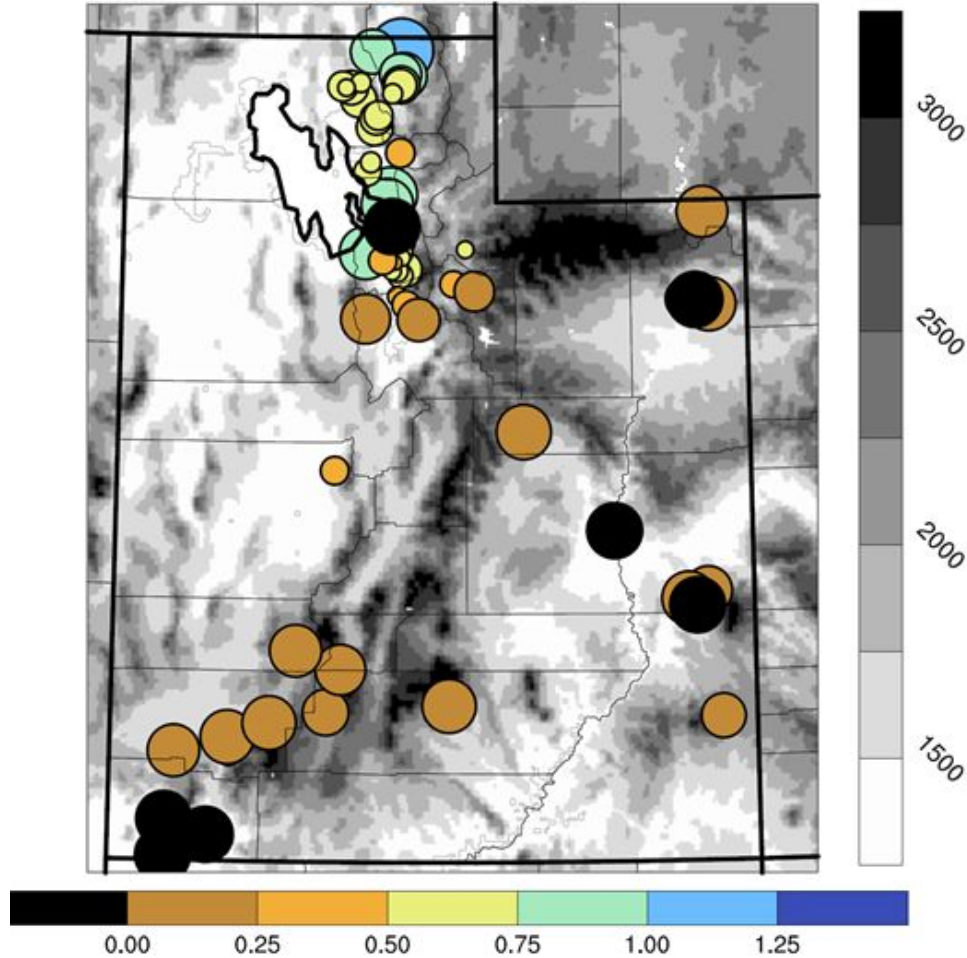
# Surface station Observations: Since we last met

CoCoRaHS

UCC Stations

**CoCoRaHS Total Liquid Precip:  
05212020 to 06032020**

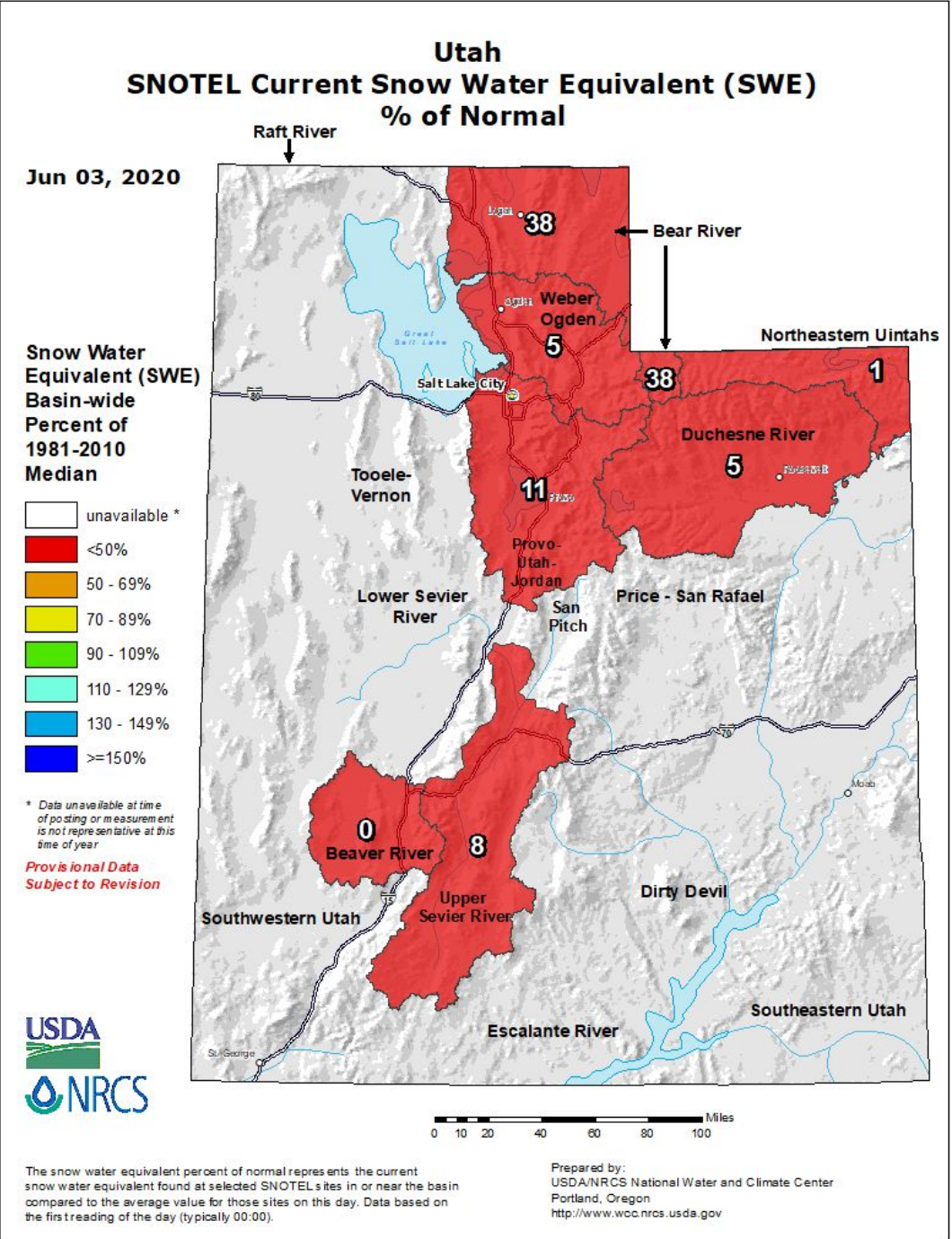
**UCC Stations: Total Liquid Precip:  
2020-5-21 to 2020-6-3**





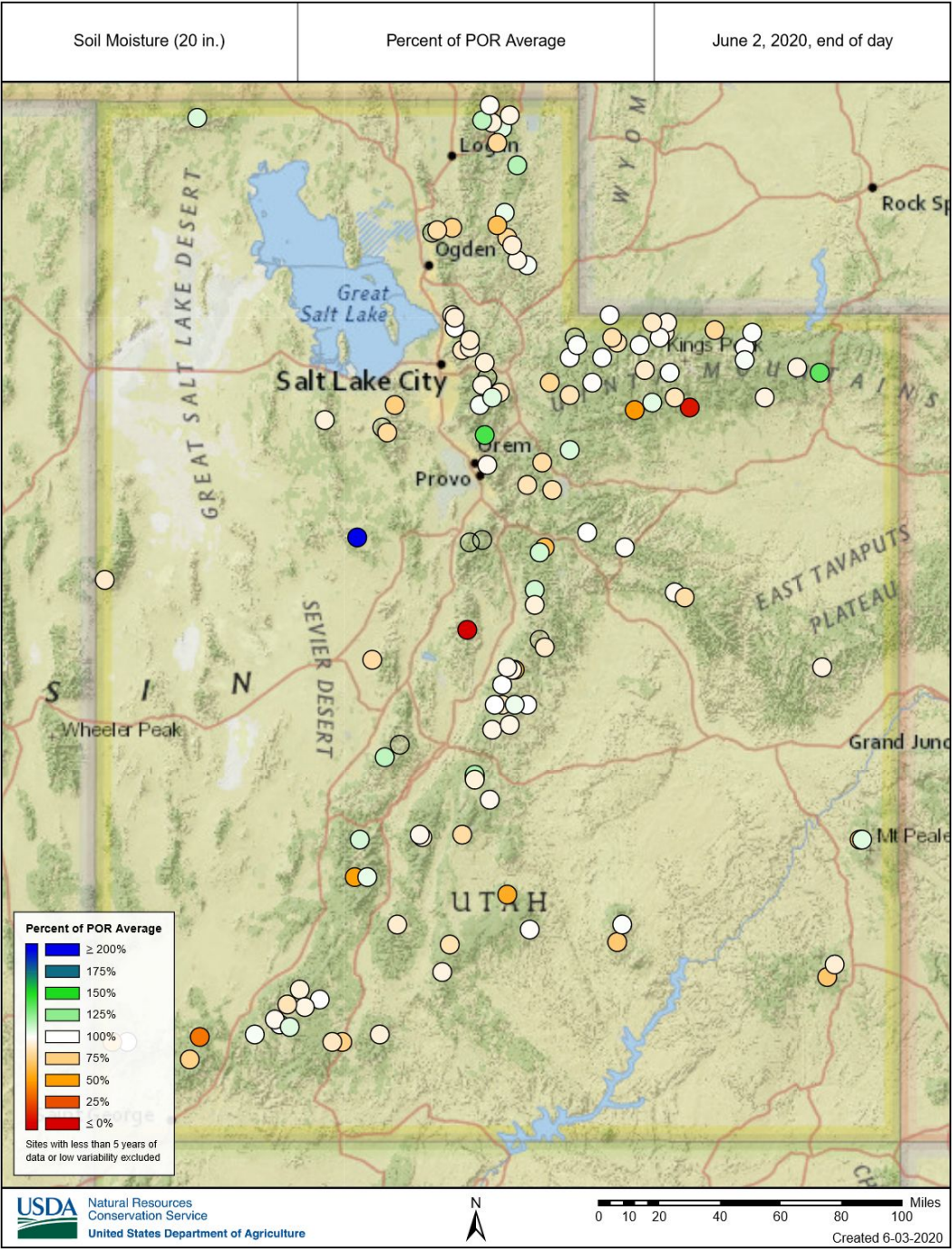
# Tabular weather station data

# Snowpack (Water Year to date % of Average)



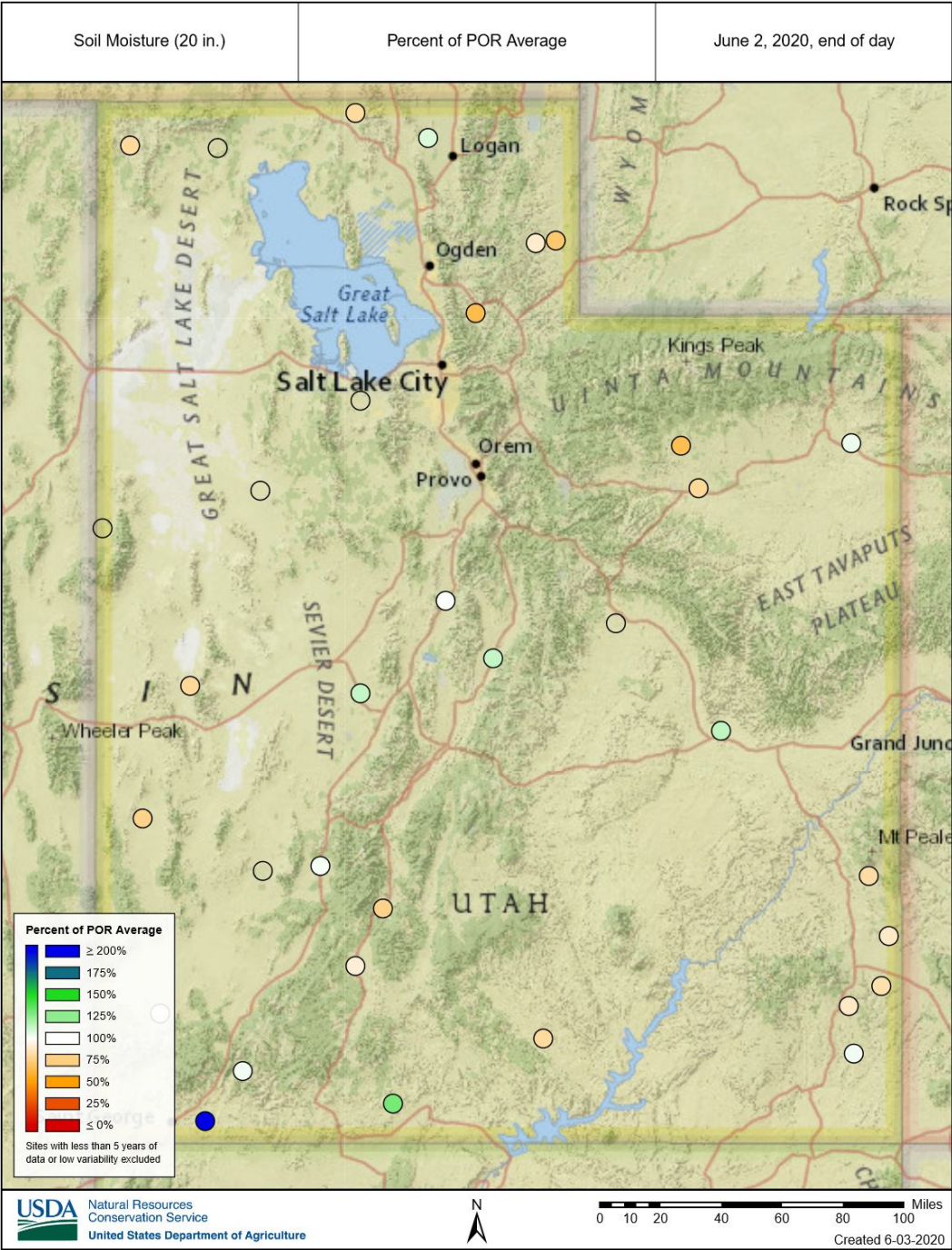


# Soil Moisture (Current) Mountain locations



Agency - NRCS Snow Survey  
Presenter - Jordan Clayton

# Soil Moisture (Current) Valley Locations



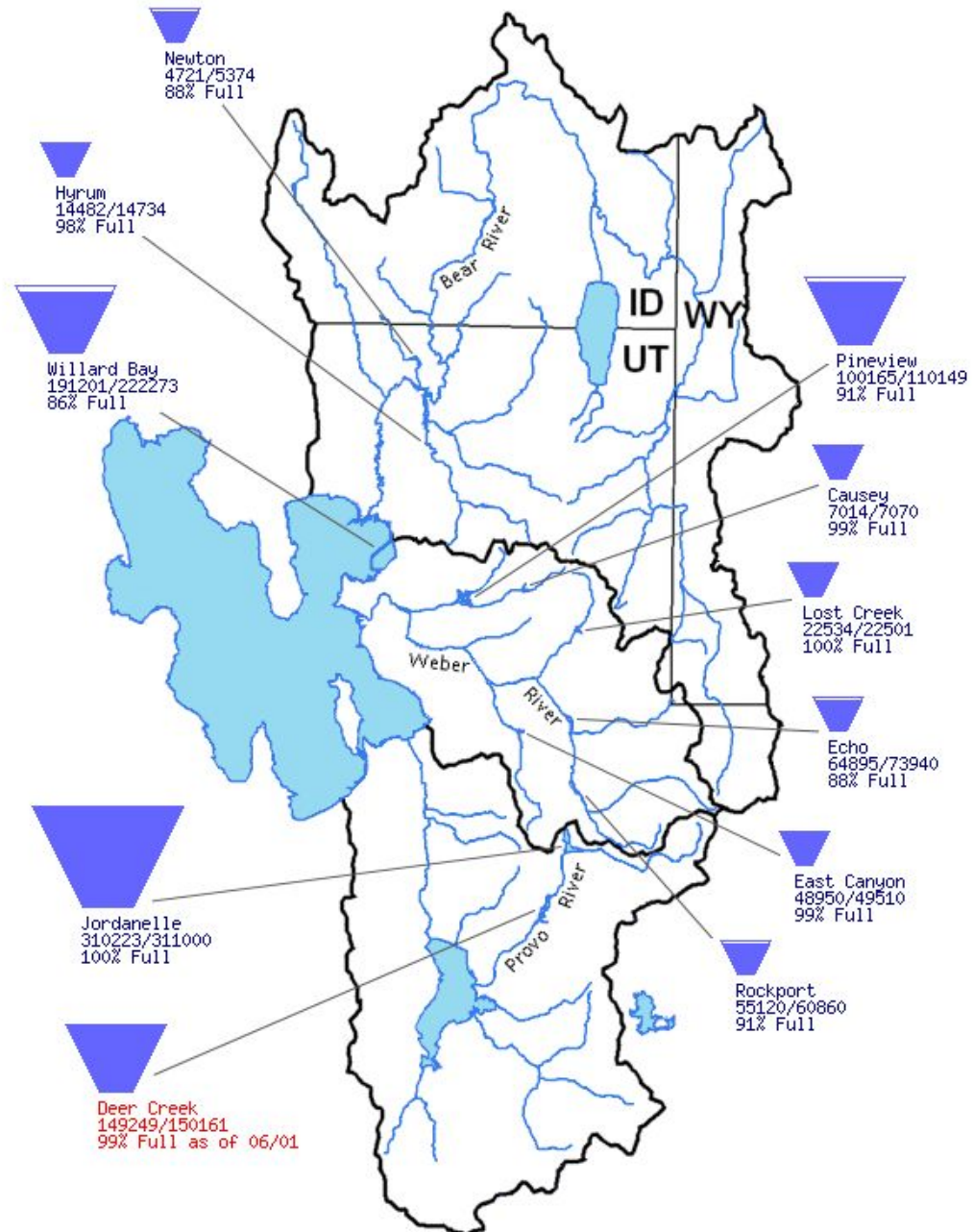
Agency - NRCS Snow Survey  
Presenter - Jordan Clayton



# Reservoir Levels USBR

Data Current as of:  
06/03/2020

## Bear, Weber, and Provo River Basins



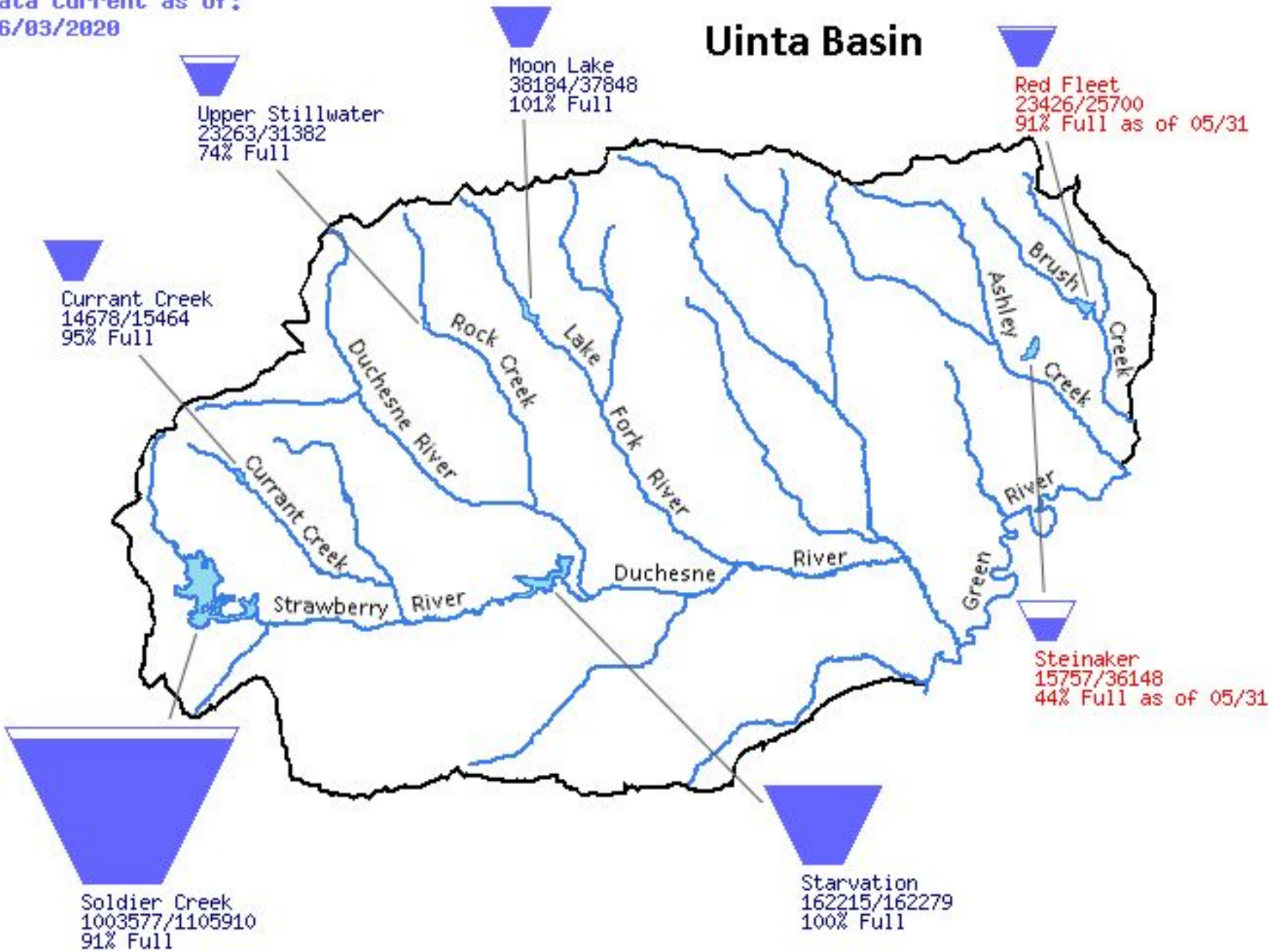
<https://www.usbr.gov/uc/water/basin/>

Presenter - Laura Haskell

# Reservoir Levels USBR

Data Current as of:  
06/03/2020

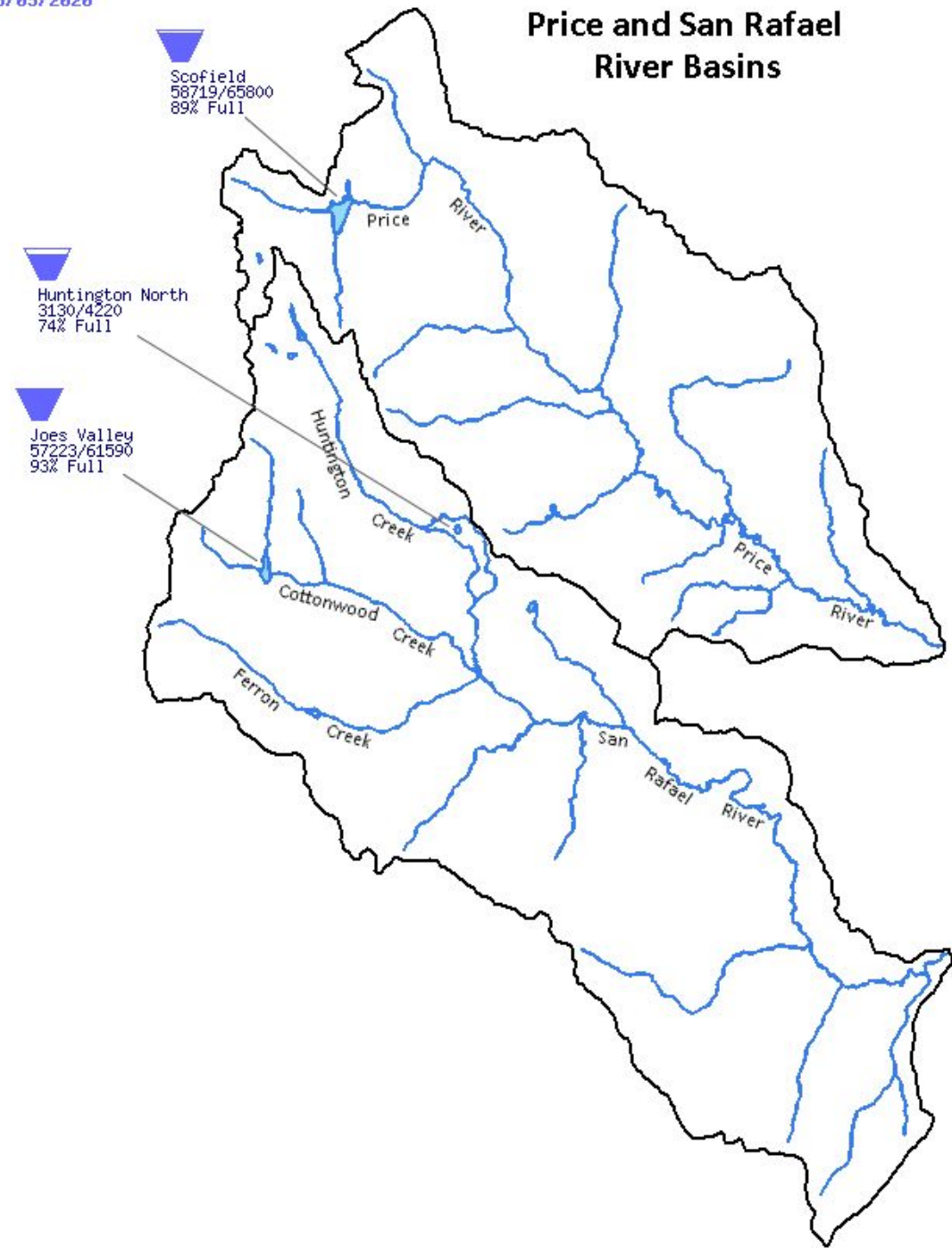
## Uinta Basin





# Reservoir Levels USBR

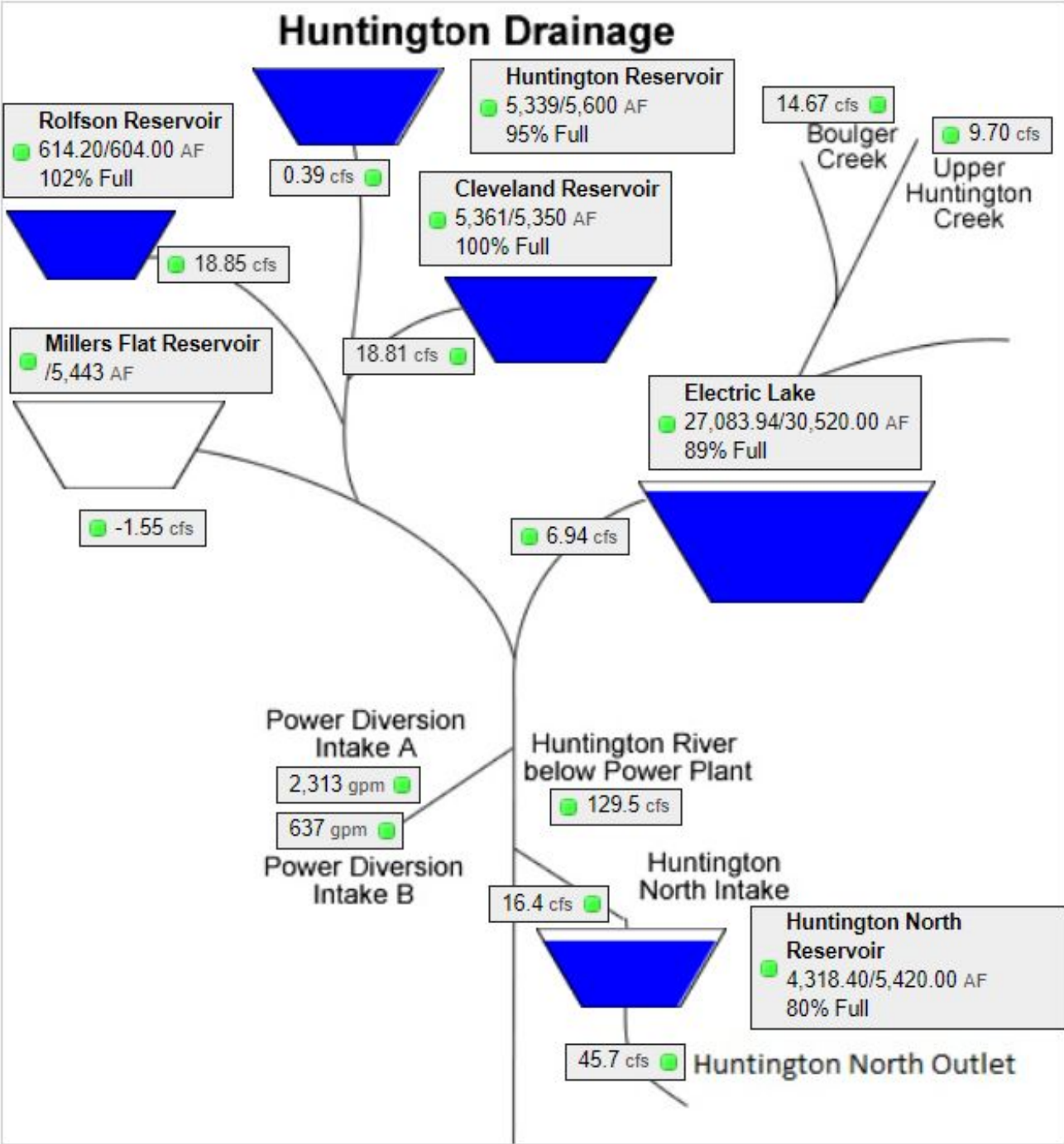
Data Current as of:  
06/03/2020



# Reservoir Levels

## Emery Water

### Conservancy District

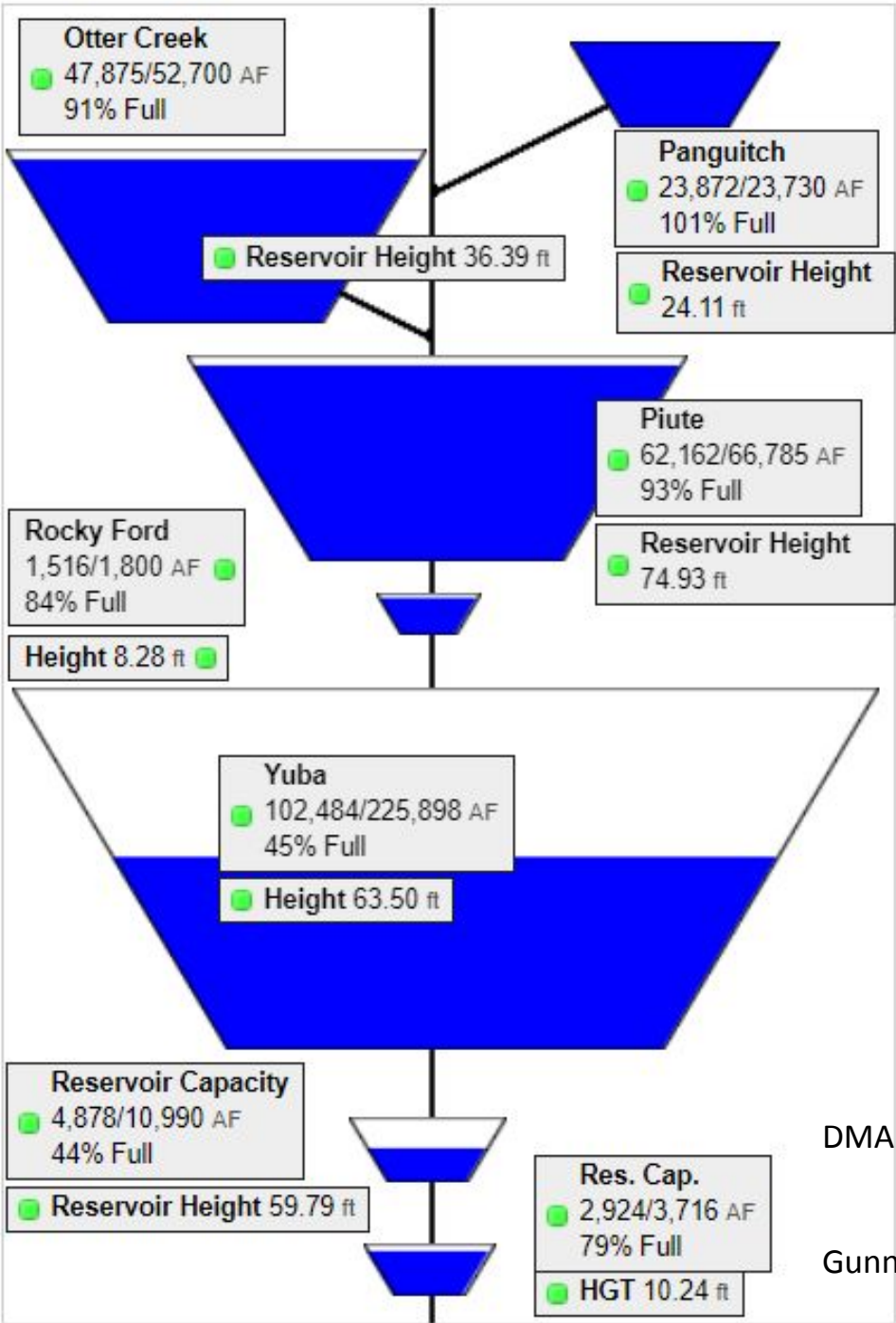




# Reservoir Levels

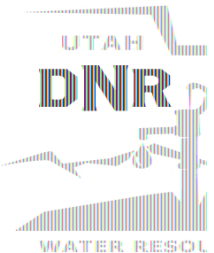
## Sevier River Water Users

Yuba Lake peaked early April



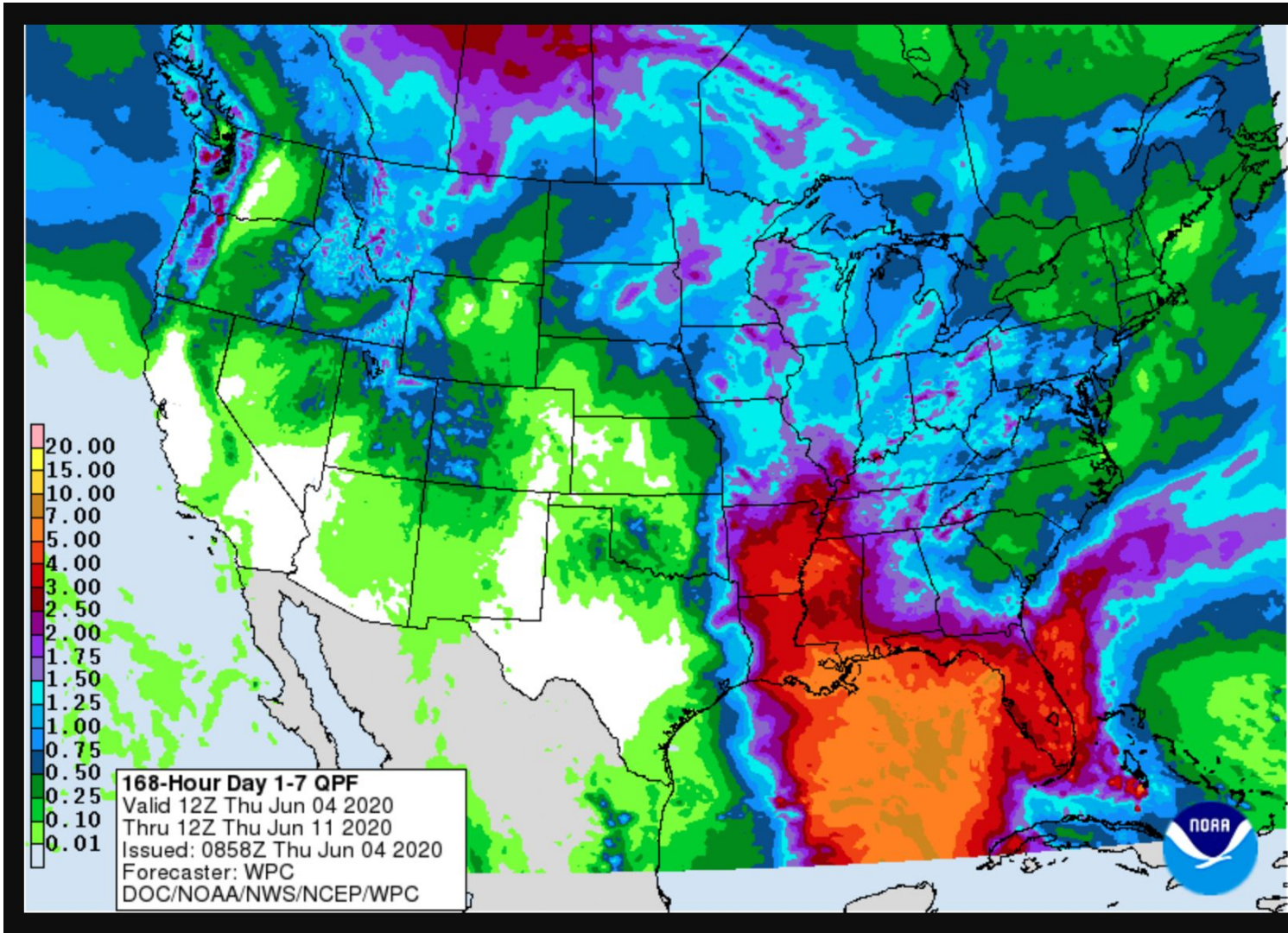
# Reservoir Levels Virgin River Basin

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





# Weather Forecast Office Utah Day 1-7 Outlook



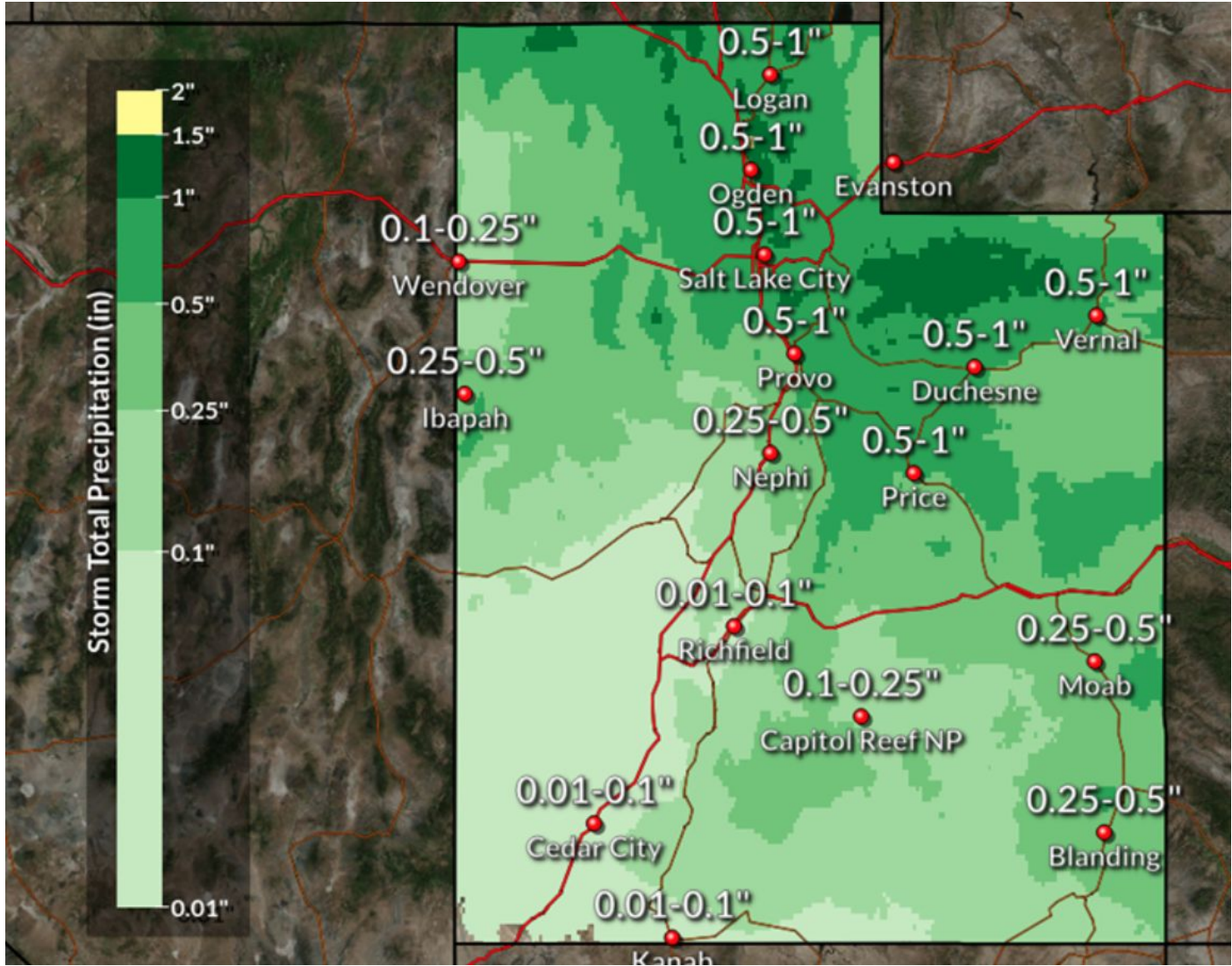
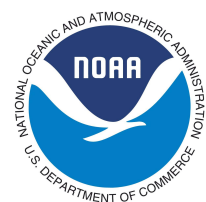
A large storm system will impact Utah late this week into this weekend.

For areas south of I-80 and east of I-15: precipitation will start as early Friday evening.

More widespread precipitation is expected across Utah mainly north of I-70 Saturday into Sunday.

Showers may continue across the higher terrain north of I-70 into Monday.

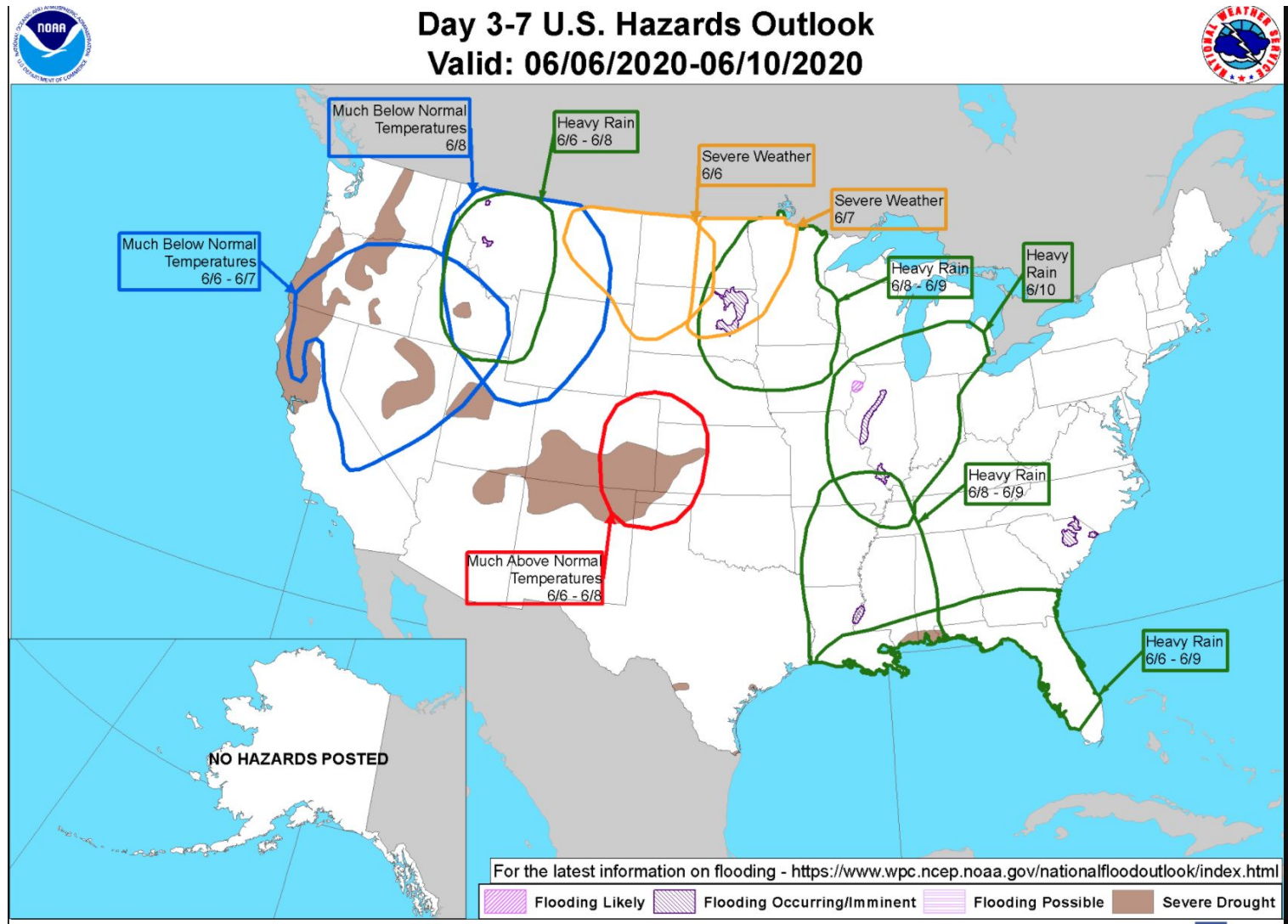
# Weather Forecast Office Utah Day 1-7 Outlook



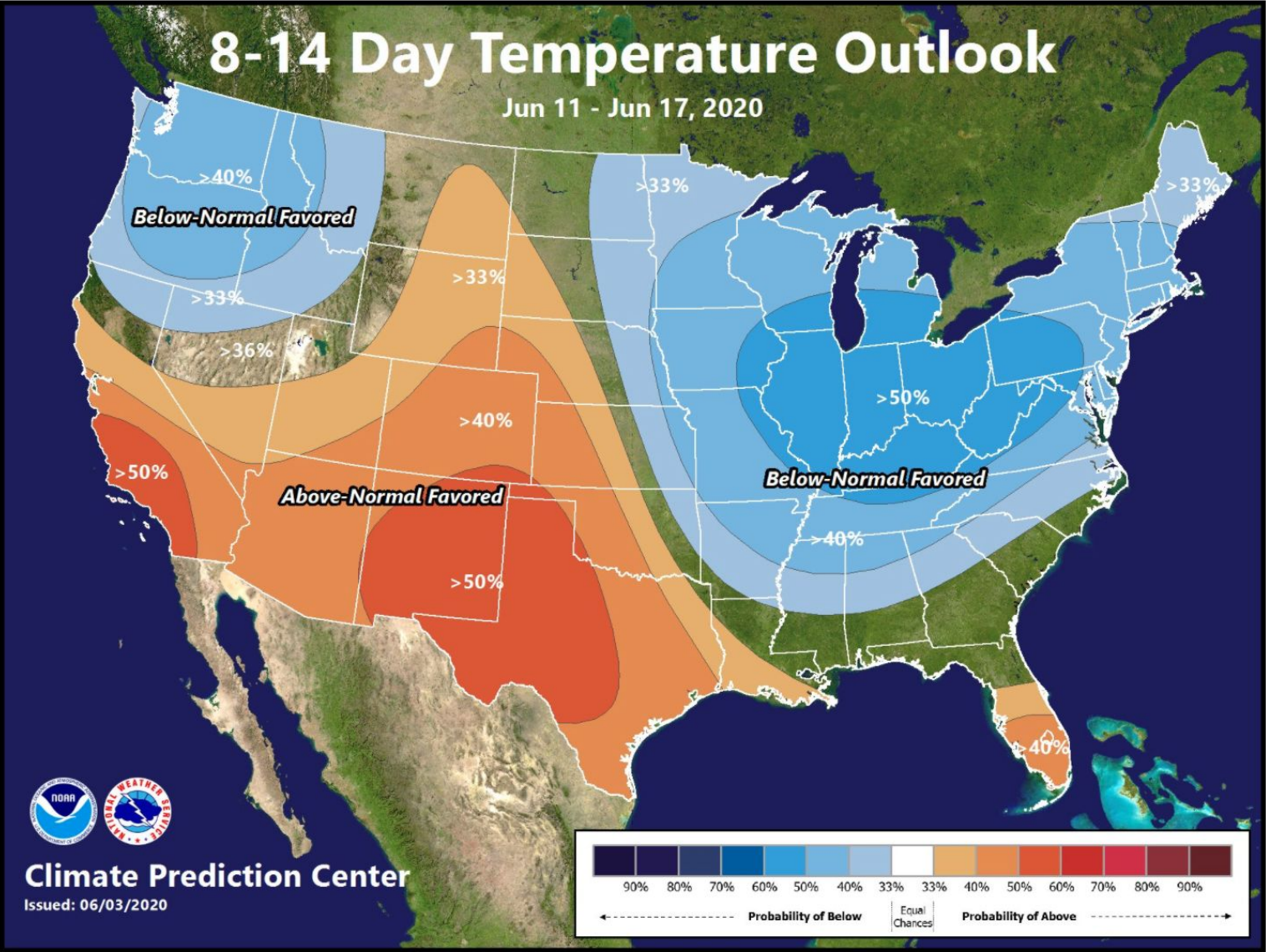
Current forecast rain totals  
Friday evening through  
Sunday night



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



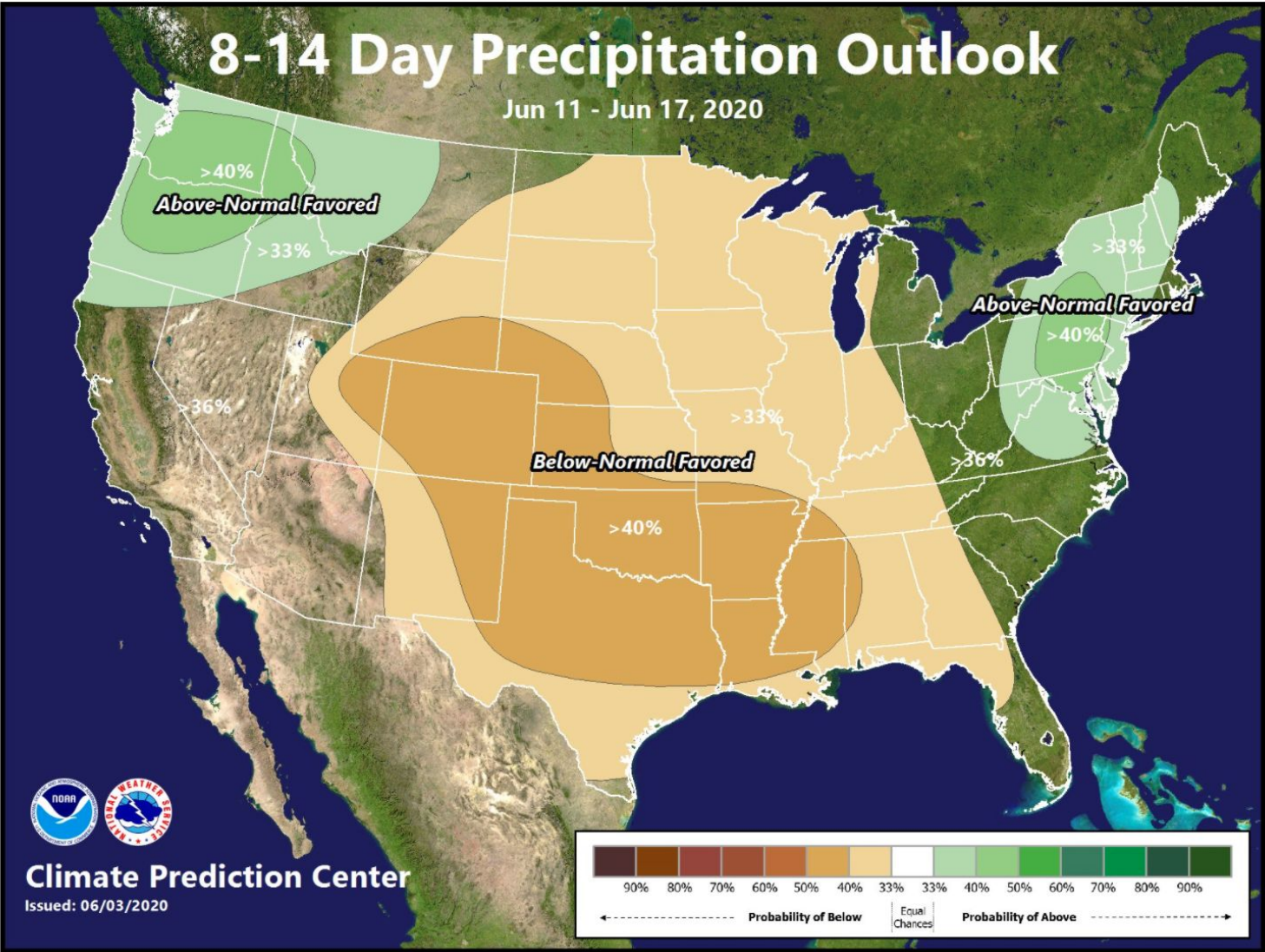
# Climate Prediction Center 8 to 14 Day Outlooks - Temperature



Agency - National Weather Service Weather Forecast Office Salt Lake City  
Presenter - Christine Kruse

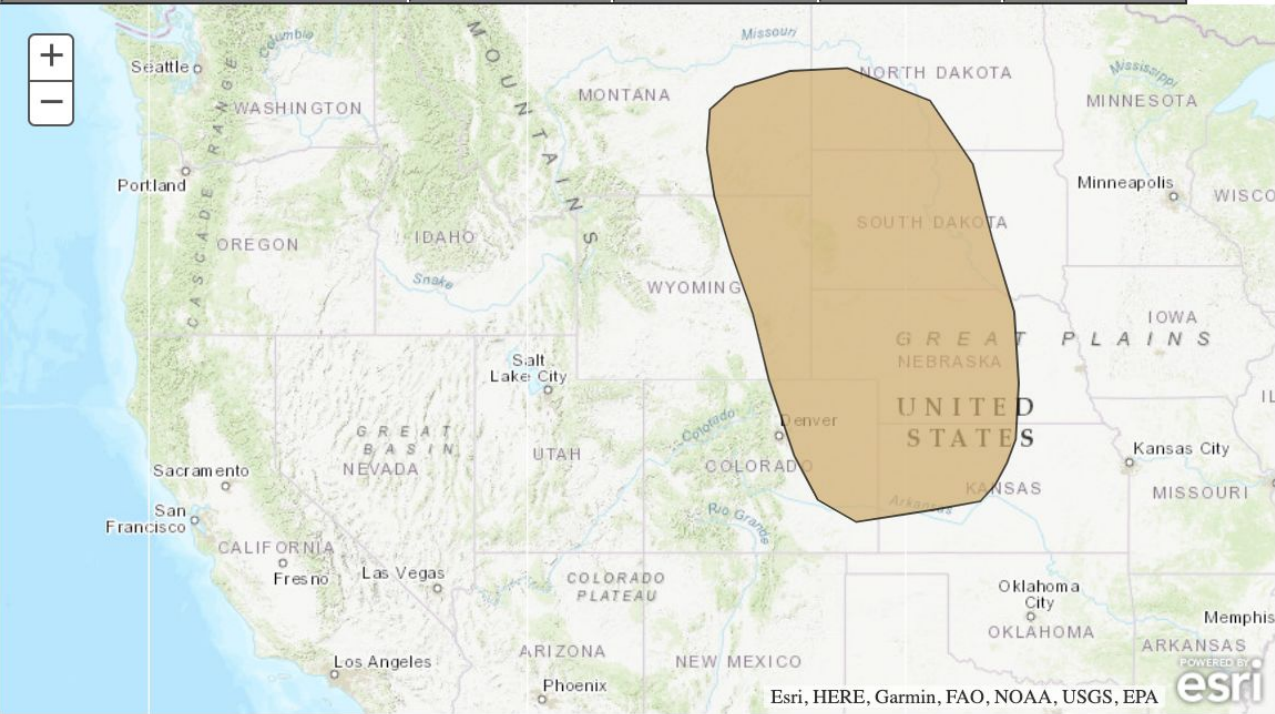


# Climate Prediction Center 8 to 14 Day Outlooks - Precipitation



Agency - National Weather Service Weather Forecast Office Salt Lake City  
Presenter - Christine Kruse

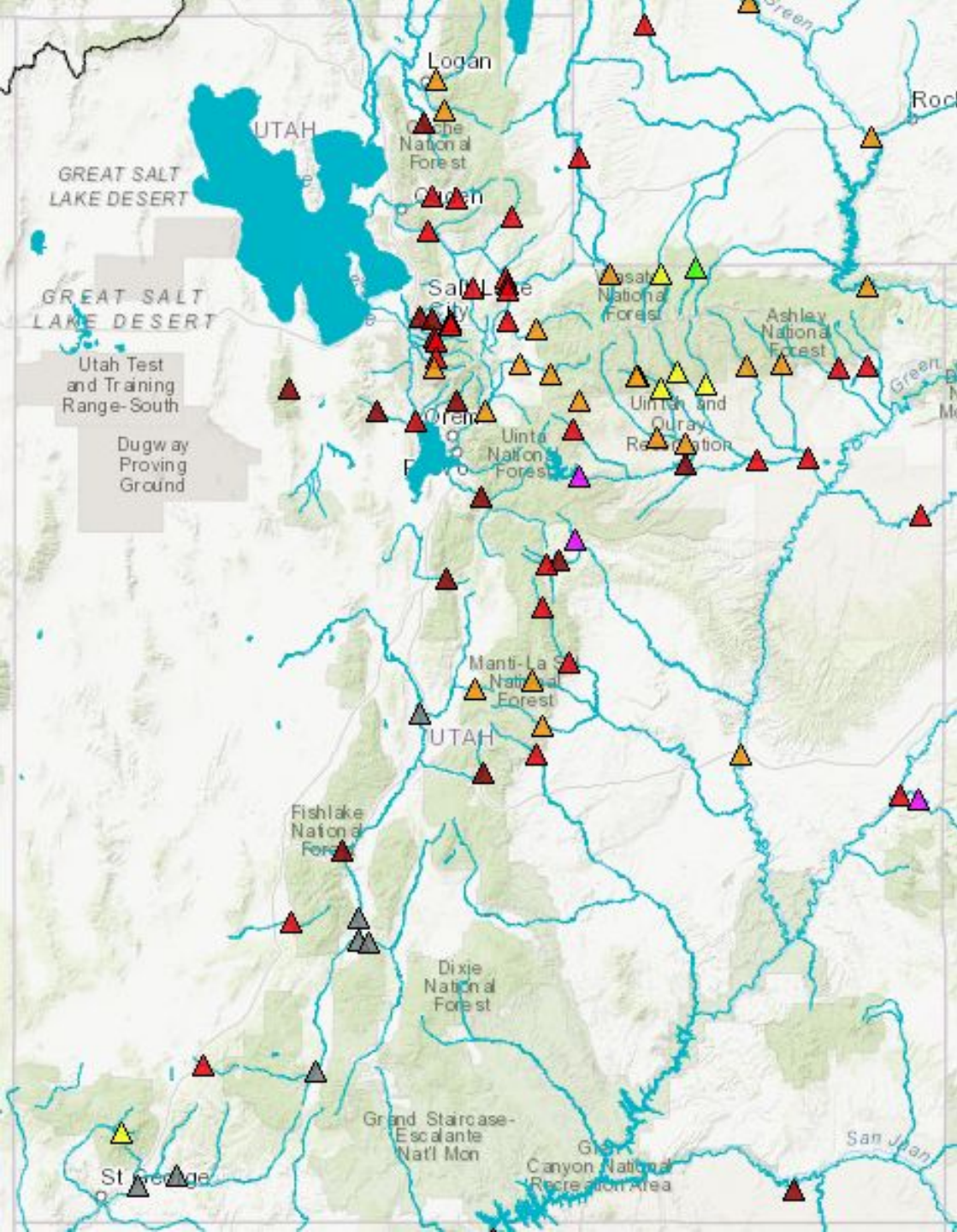
# Climate Prediction Center U.S. Week-2 Hazards Outlook



Above Normal Temperatures	Excessive Heat	Heavy Precipitation	Composite
<div>High Risk</div>	<div>High Risk</div>	<div>High Risk</div>	<div>Flooding Possible</div>
<div>Moderate Risk</div>	<div>Moderate Risk</div>	<div>Moderate Risk</div>	<div>Frozen Precipitation</div>
<div>Slight Risk</div>	<div>Slight Risk</div>	<div>Slight Risk</div>	<div>Severe Weather</div>
Below Normal Temperatures	High Winds	Heavy Snow	
<div>High Risk</div>	<div>Moderate Risk</div>	<div>High Risk</div>	
<div>Moderate Risk</div>	<div>Slight Risk</div>	<div>Moderate Risk</div>	
<div>Slight Risk</div>		<div>Slight Risk</div>	

Agency - National Weather Service Weather Forecast Office Salt Lake City  
Presenter - Christine Kruse



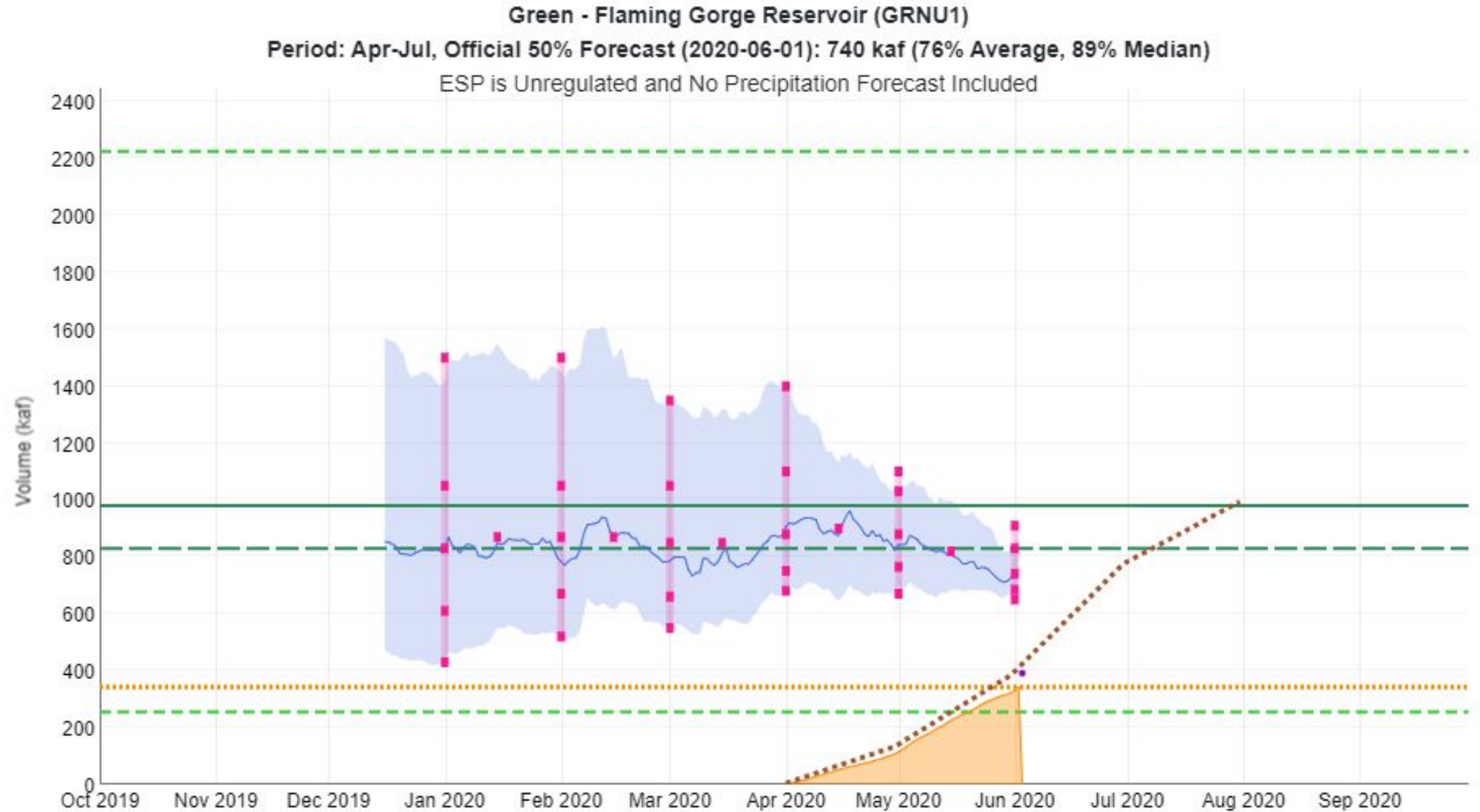
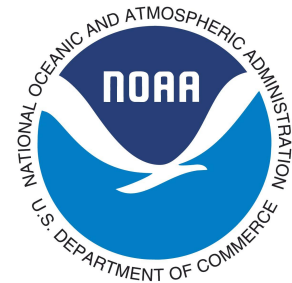


Hot and dry conditions across the state contributed to decreased water supply forecasts

### Average forecast value:

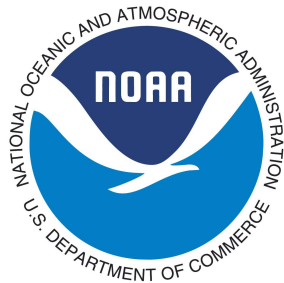
Green River Basin:	76%
Duchesne River Basin:	73%
San Juan River Basin:	53%
Bear River Basin:	72%
Weber River Basin:	58%
Provo River Basin:	59%
Six Creeks River Basin:	55%
Sevier River Basin:	63%
Virgin River Basin:	78%
Lake Powell:	57%

# Green River Basin





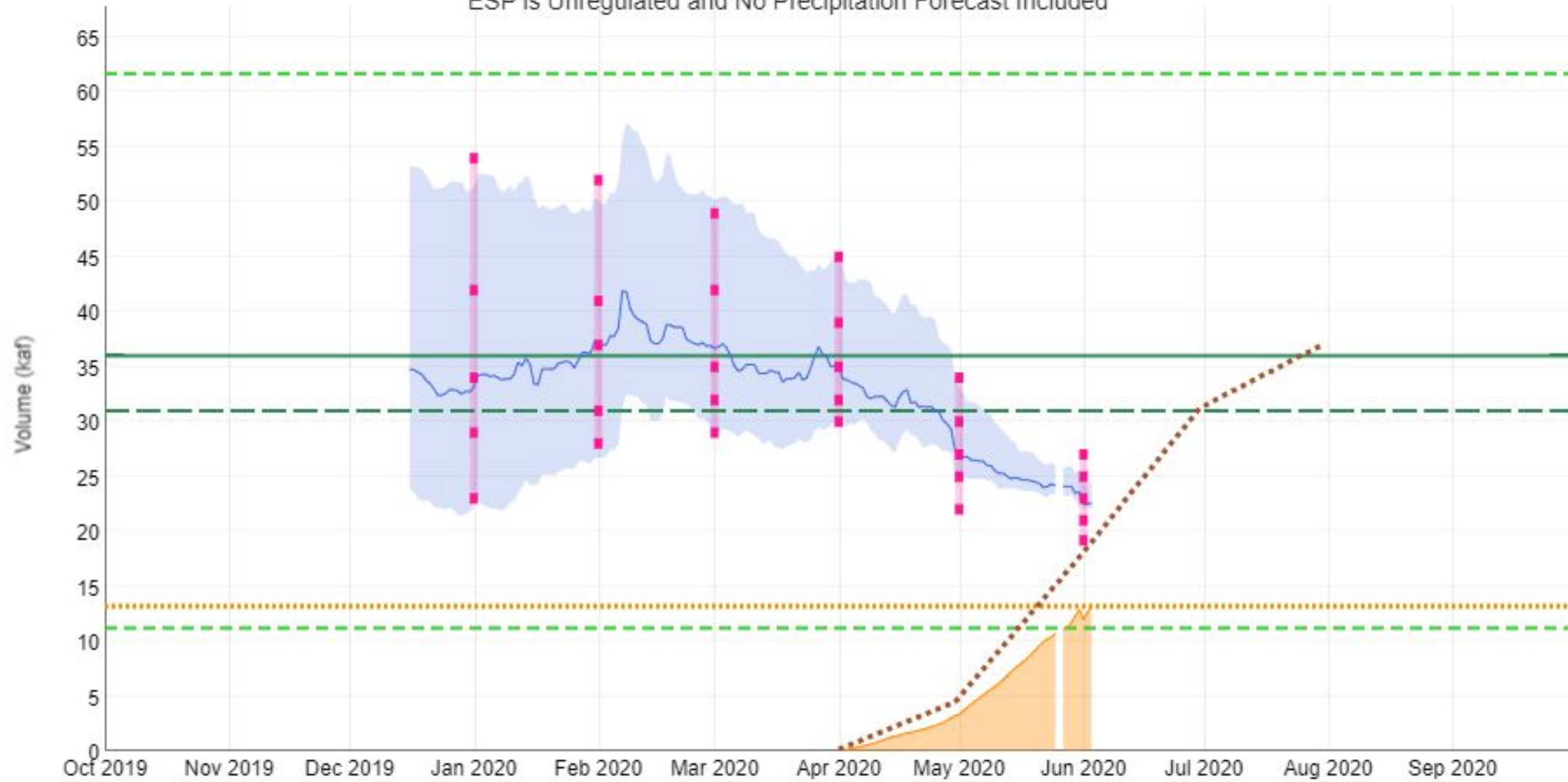
# Six Creeks River Basin



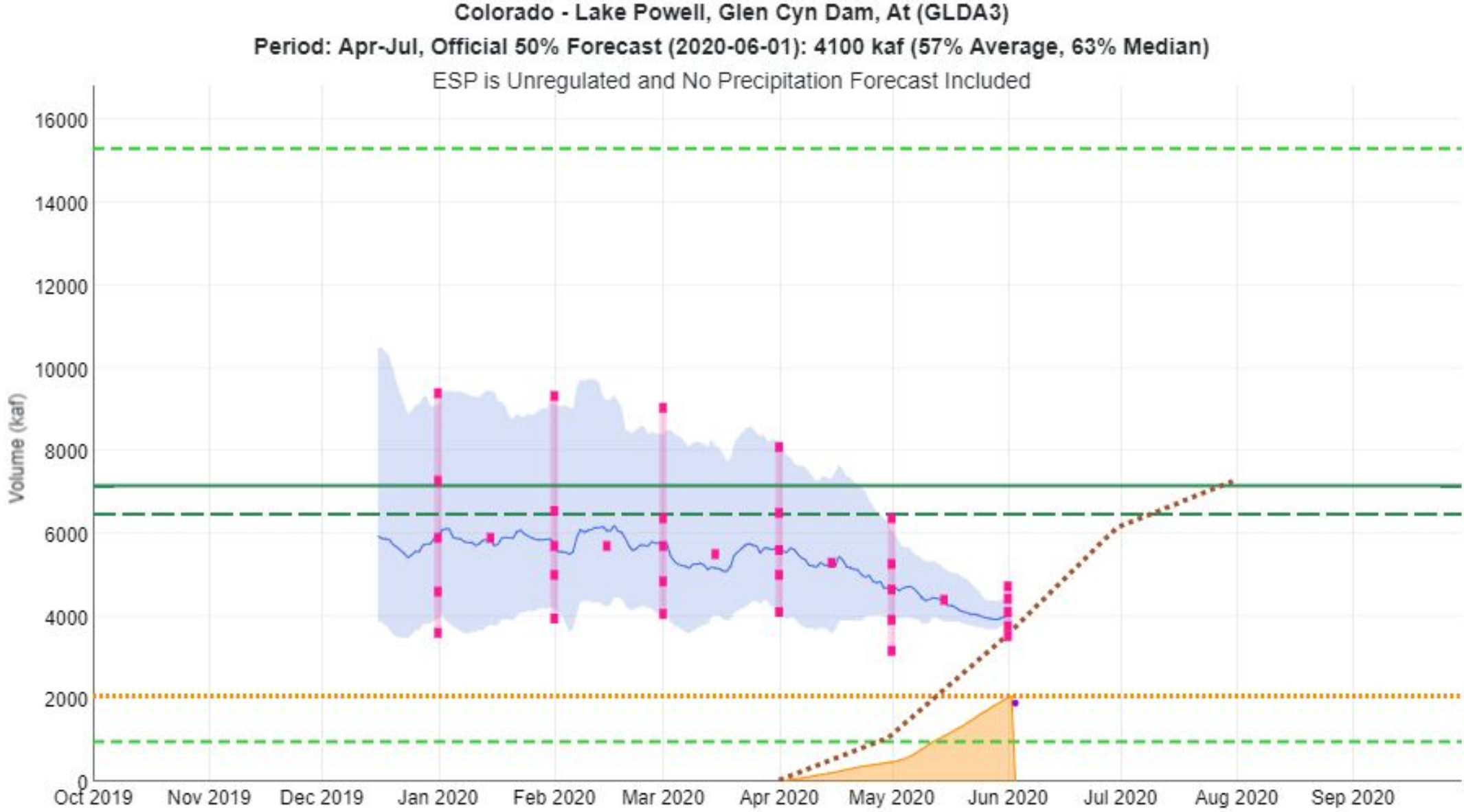
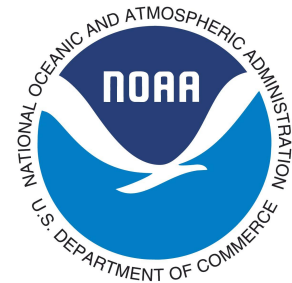
Big Cottonwood Ck - Salt Lake City, Nr (BCTU1)

Period: Apr-Jul, Official 50% Forecast (2020-06-01): 23 kaf (64% Average, 74% Median)

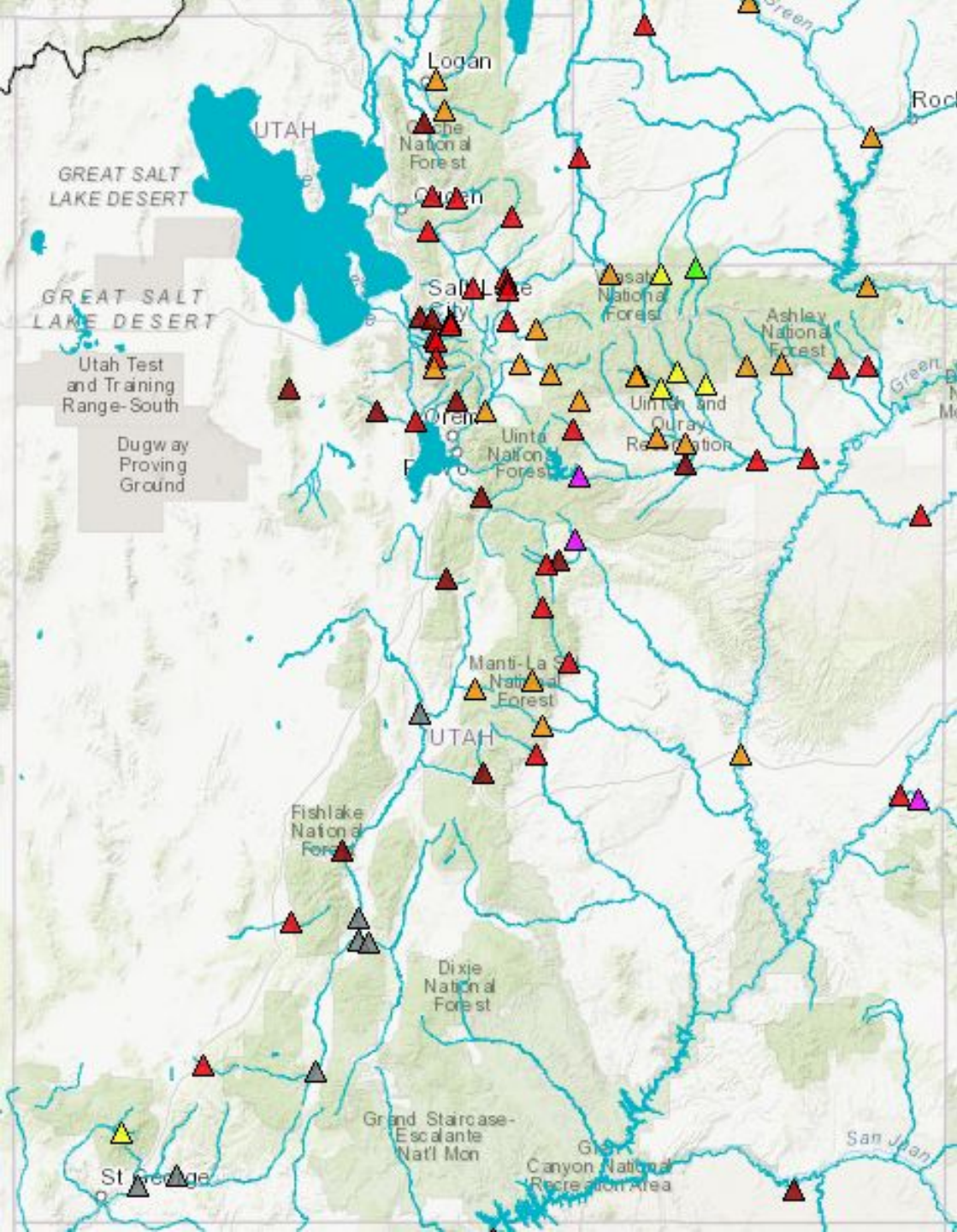
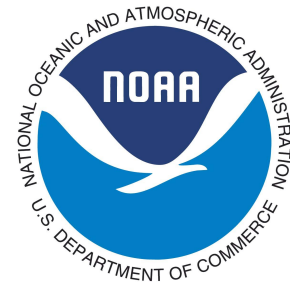
ESP is Unregulated and No Precipitation Forecast Included



# Lake Powell







These are our last official seasonal forecasts of the year, but we'll continue to update them through July

We are working on providing an unregulated forecast in the Sevier River Basin, hopefully ready by next year

Last water supply webinar for the year is tomorrow at 11 a.m. MT

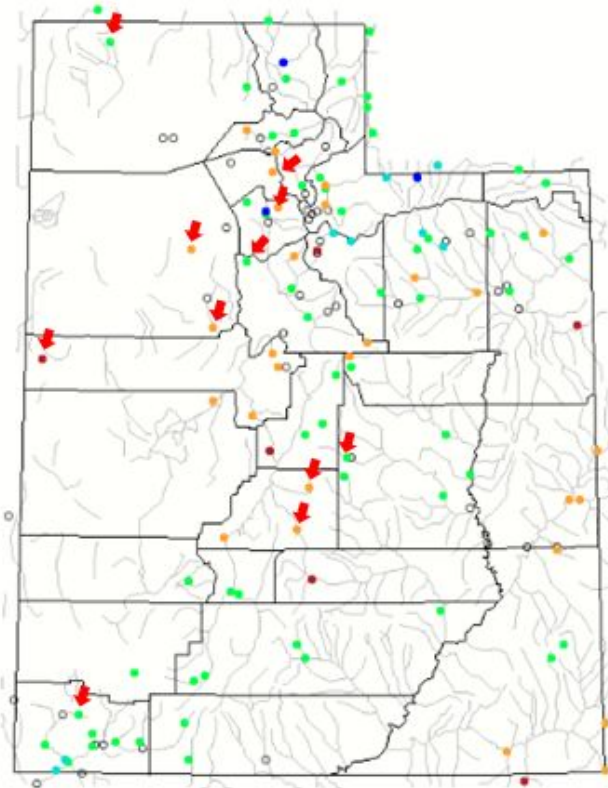
<https://register.gotowebinar.com/register/1350925264156548622>



## Map of 28-day average streamflow compared to historical streamflow for the day of the year (Utah)

Utah or Water-Resources Regions

Wednesday, June 03, 2020



Search USGS streamgage

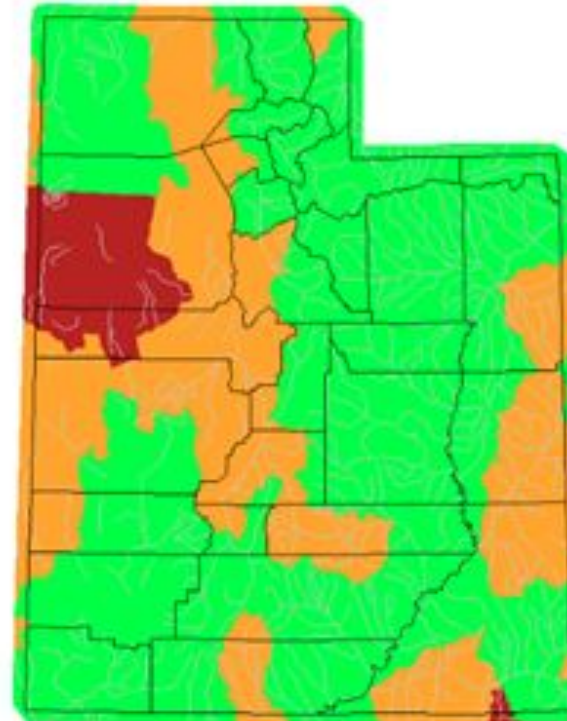
Choose a data retrieval option and select a location on the map  
☐ List of all stations ☒ Single station ☐ Nearest stations

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

## Map of 28-day average streamflow compared to historical streamflow for the day of the year (Utah)

Utah or Water-Resources Regions

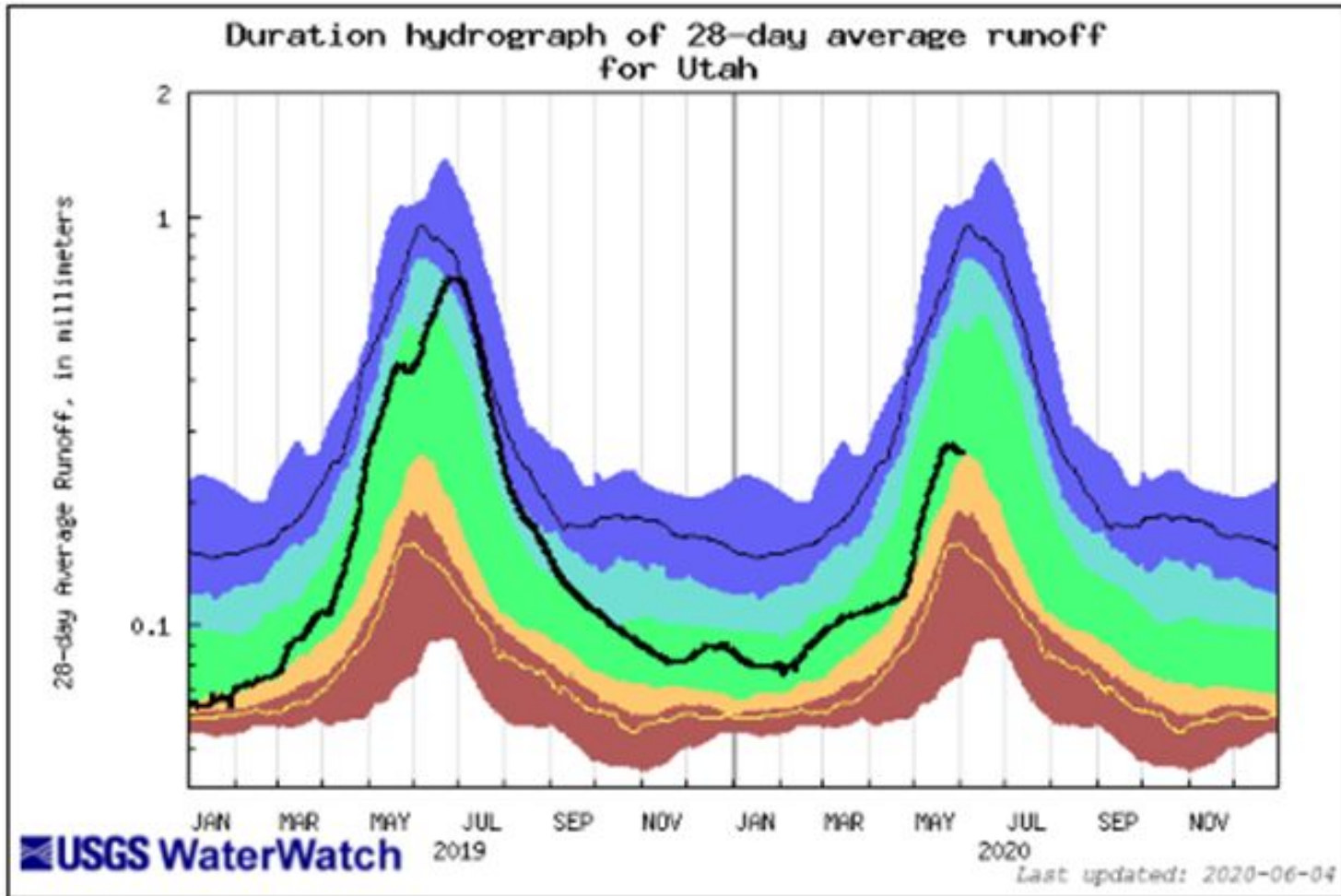
Wednesday, June 03, 2020



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

- 28-day average stream flows (red arrows indicate unregulated sites)
- 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)





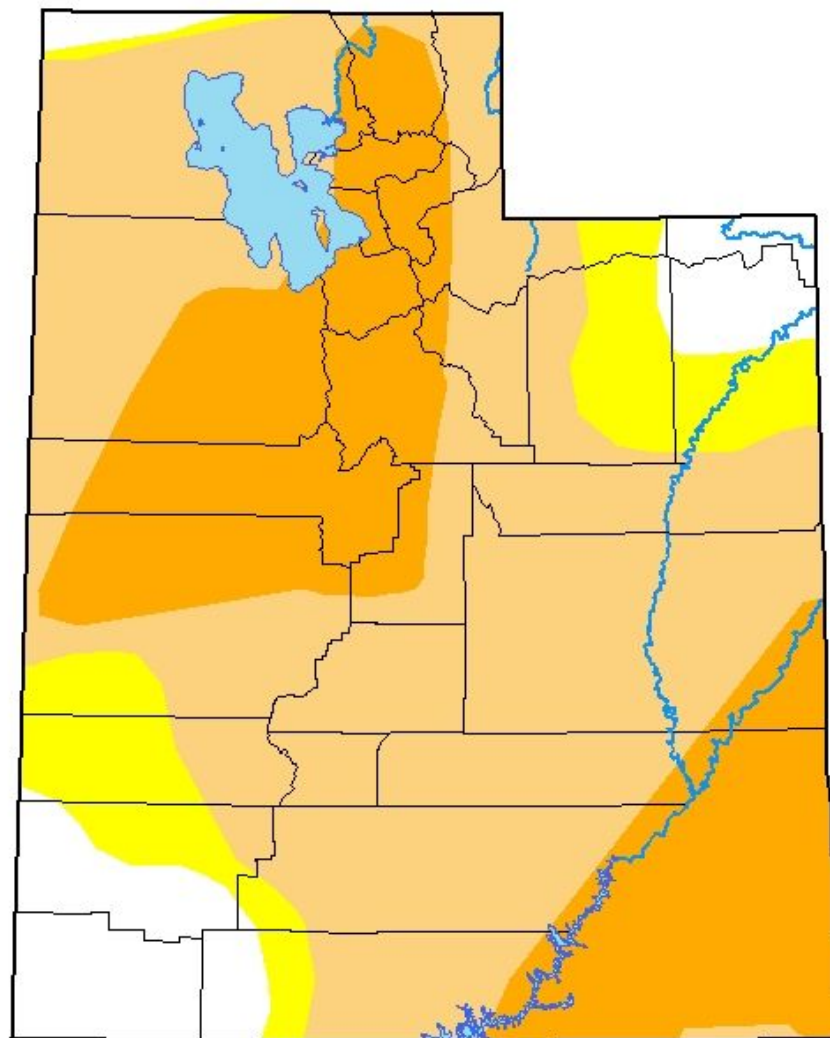
- ❑ **Statewide 28-day average runoff**
- ❑ **Note percentile classes in scale below**

Explanation - Percentile classes						
lowest-10th percentile	5	10-24	25-75	76-90	95	99th percentile - highest
Much below Normal	Below normal	Normal	Above normal	Much above normal		Runoff

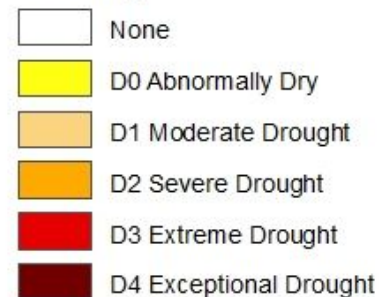
# U.S. Drought Monitor

## Utah

**June 2, 2020**  
(Released Thursday, Jun. 4, 2020)  
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>*

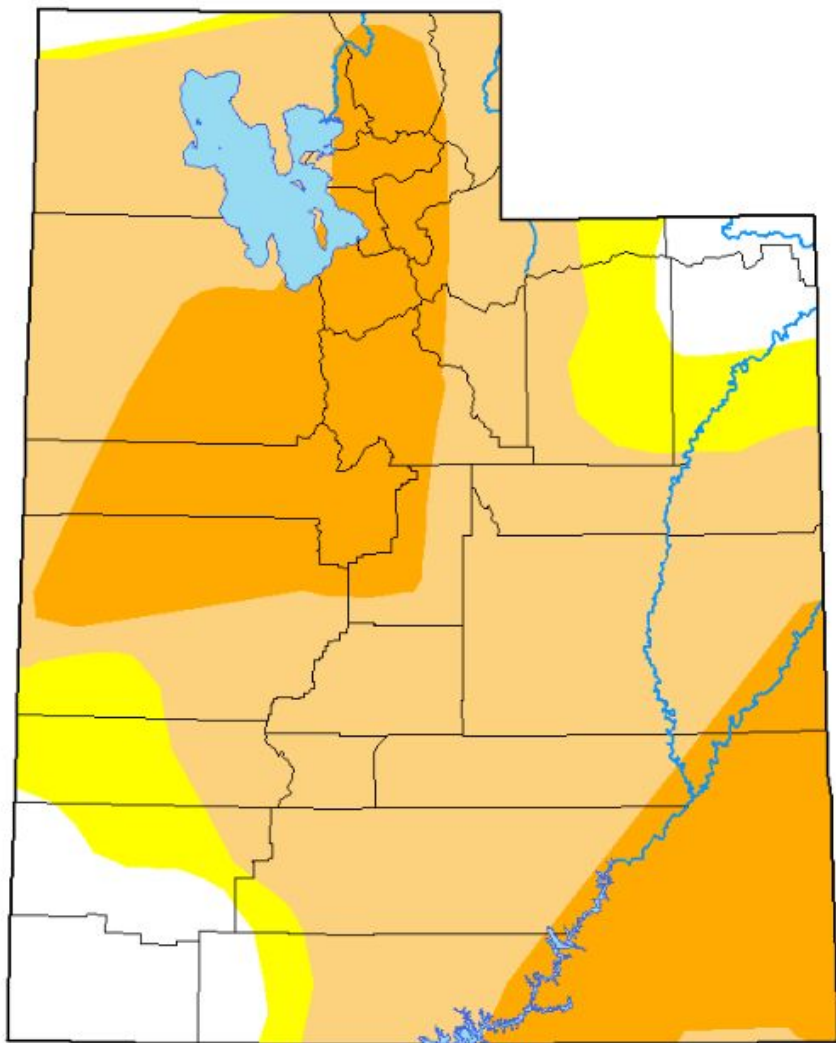
### Author:

Curtis Riganti  
National Drought Mitigation Center

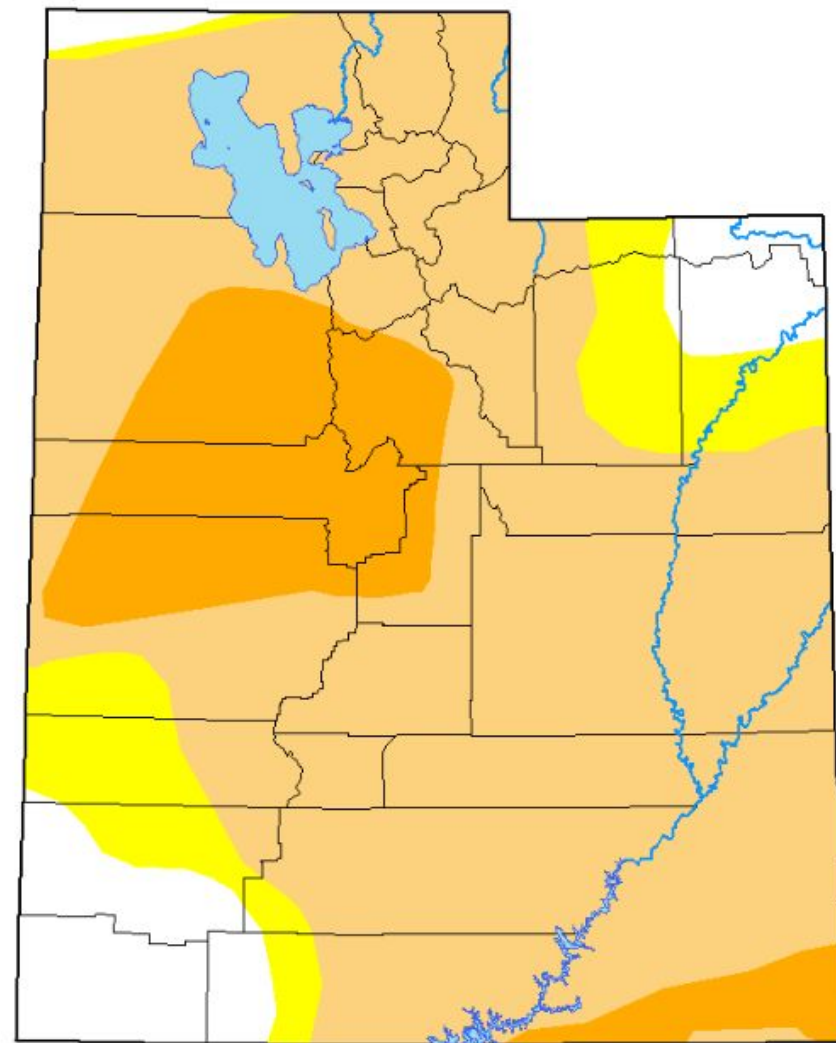


**droughtmonitor.unl.edu**





◀ June 2, 2020 ▶



◀ May 26, 2020 ▶