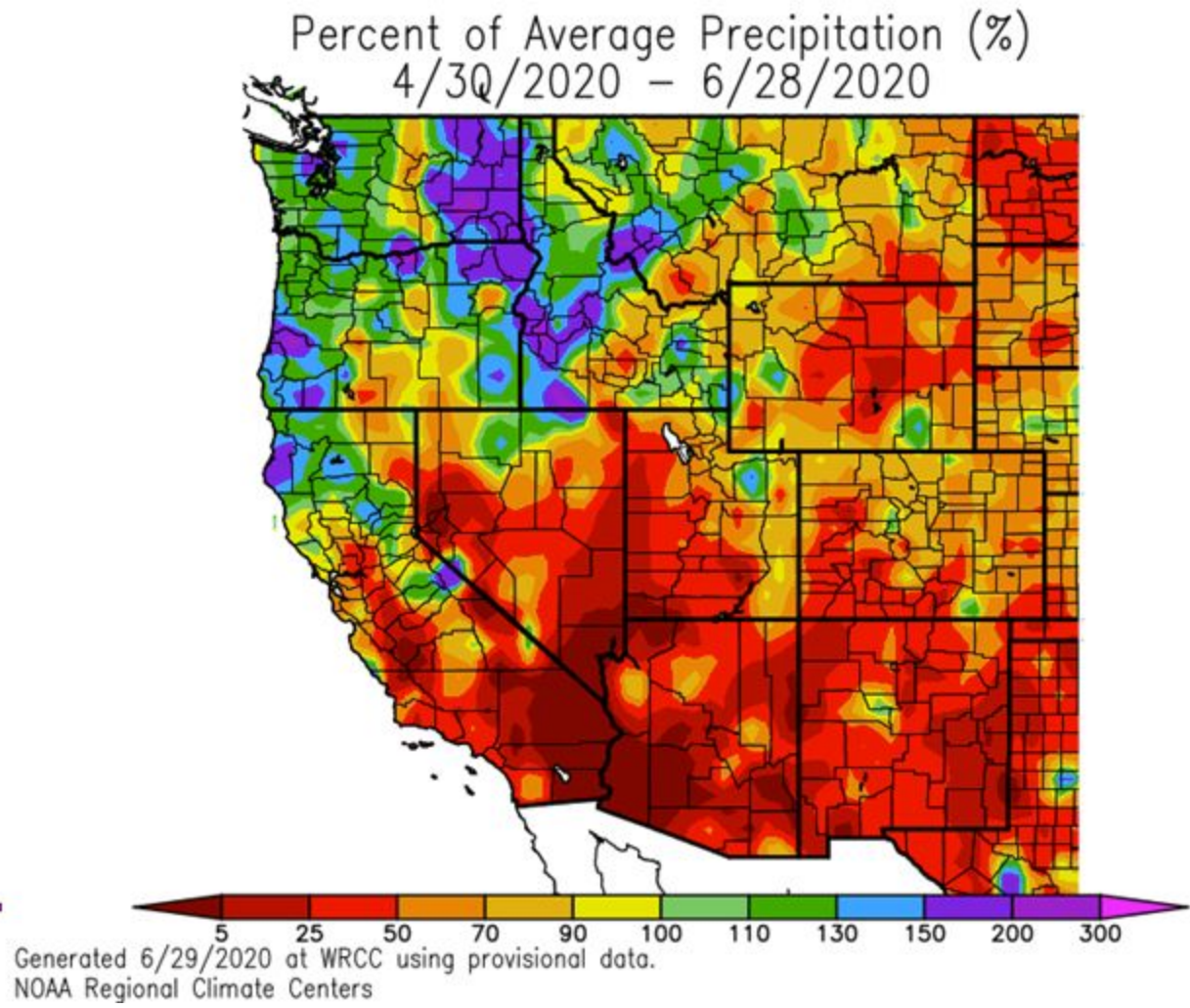
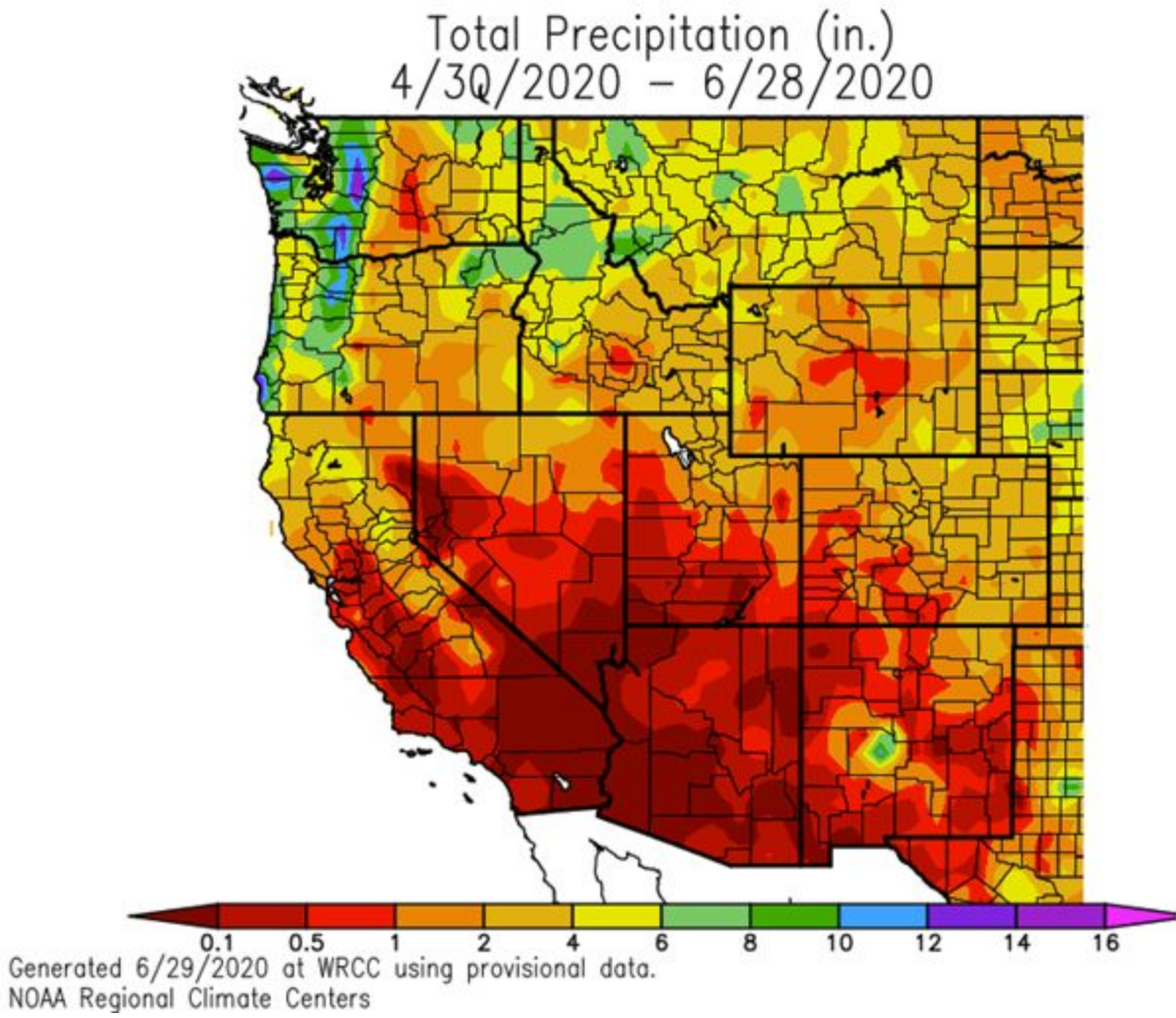




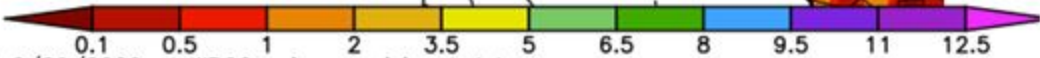
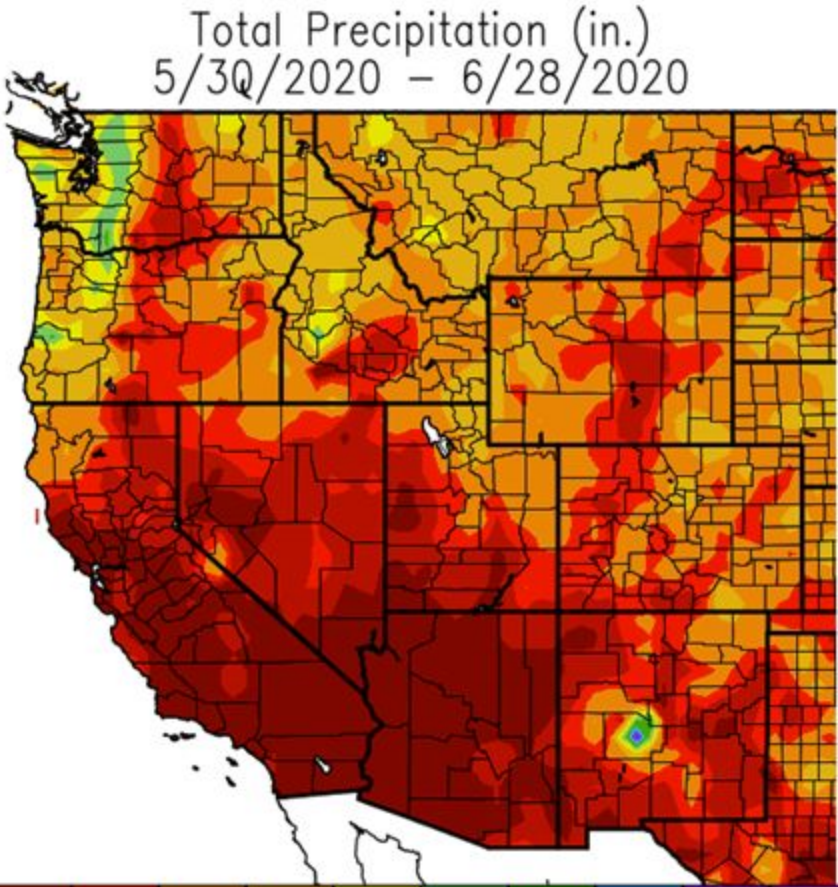
Utah Drought Monitor Feedback Webinar

June 30, 2020

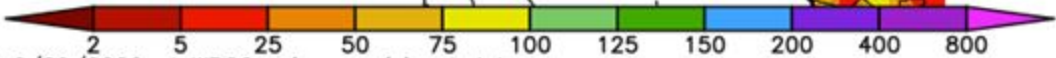
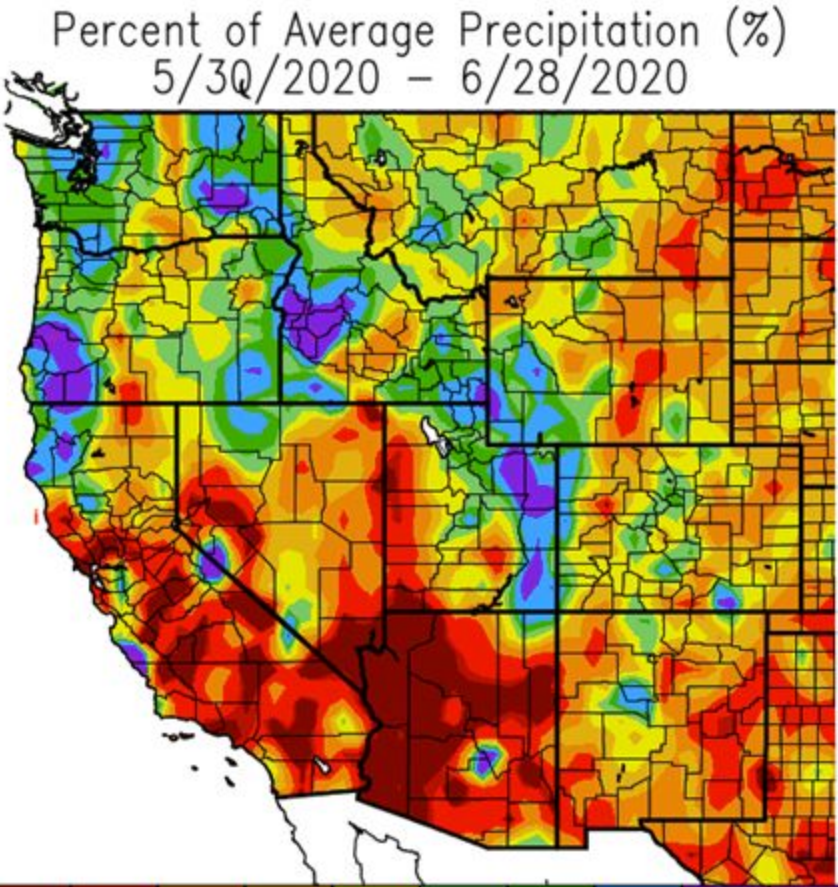
Precipitation 60 day history (Percent of Average)



Precipitation 30 day history (Percent of Average)



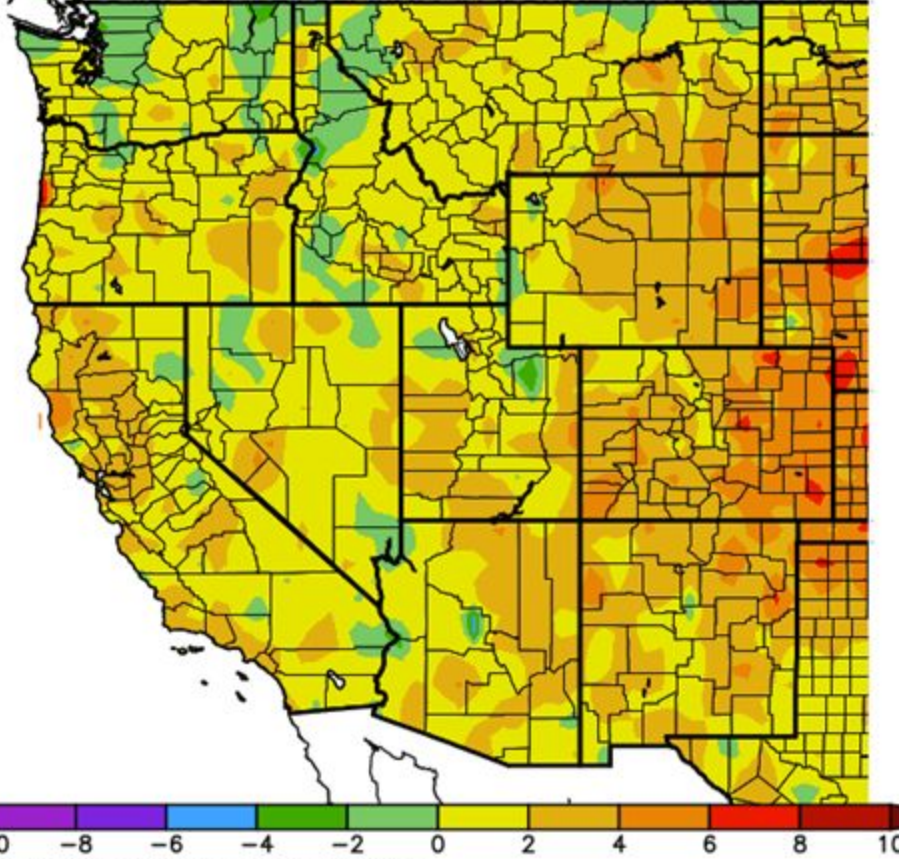
Generated 6/29/2020 at WRCC using provisional data.
NOAA Regional Climate Centers



Generated 6/29/2020 at WRCC using provisional data.
NOAA Regional Climate Centers

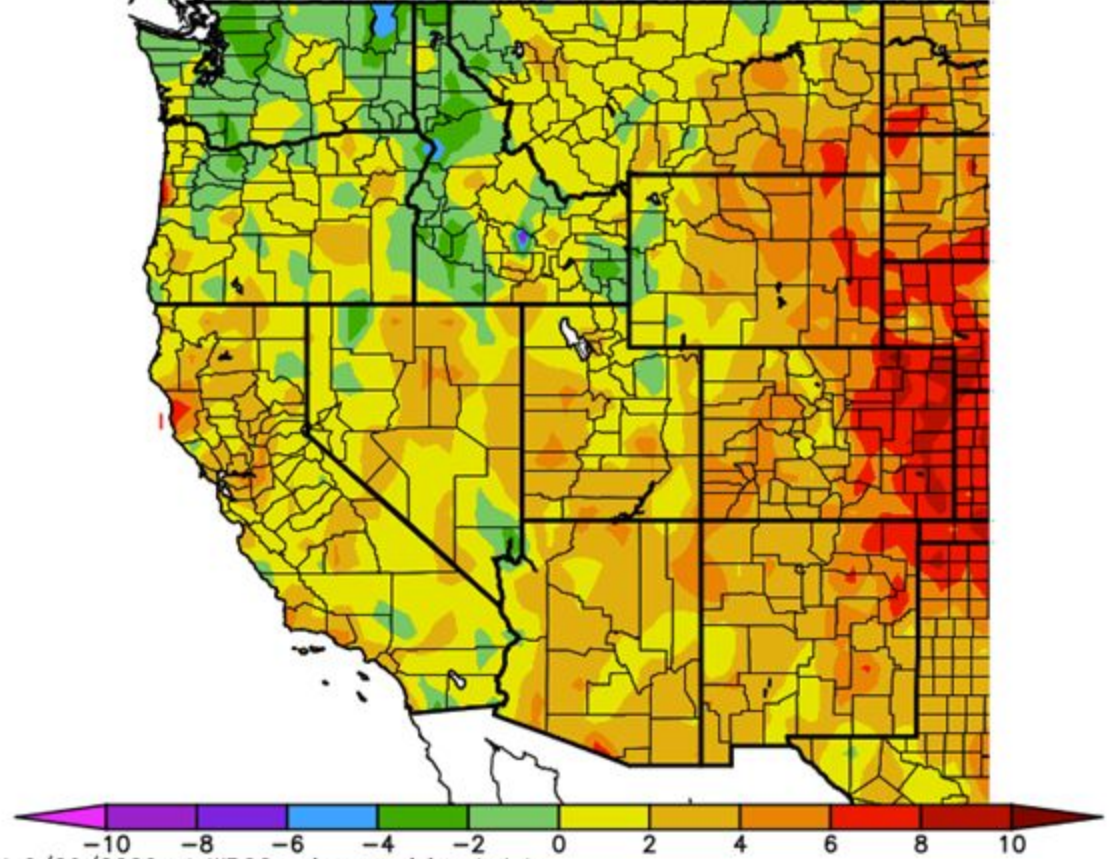
Temperature 30 day (Related to Average)

Ave. Temperature dep from Ave (deg F)
5/30/2020 – 6/28/2020



Generated 6/29/2020 at WRCC using provisional data.
NOAA Regional Climate Centers

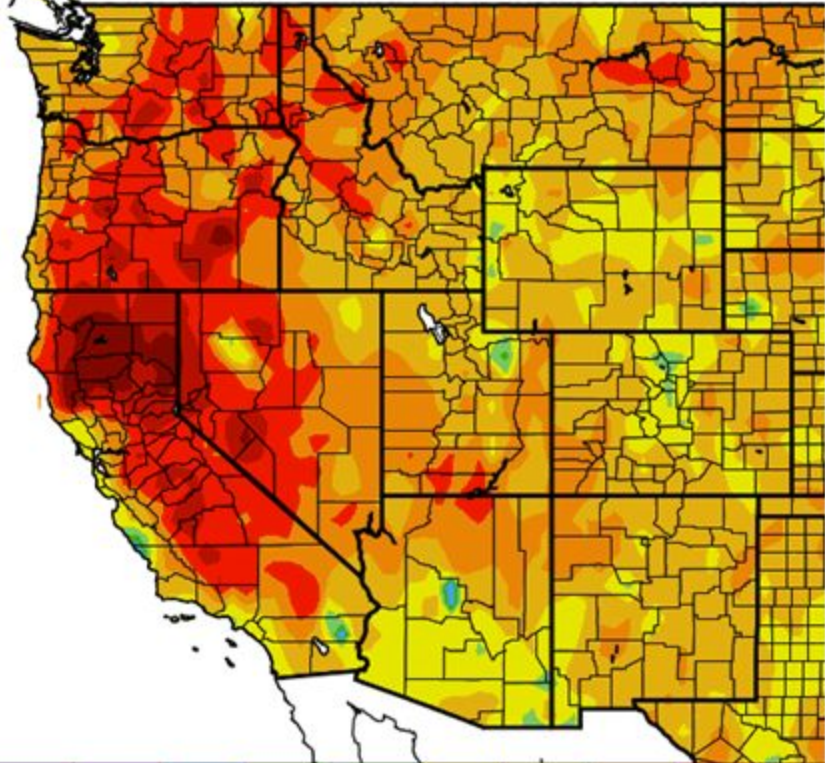
Av. Max. Temperature dep from Ave (deg F)
5/30/2020 – 6/28/2020



Generated 6/29/2020 at WRCC using provisional data.
NOAA Regional Climate Centers

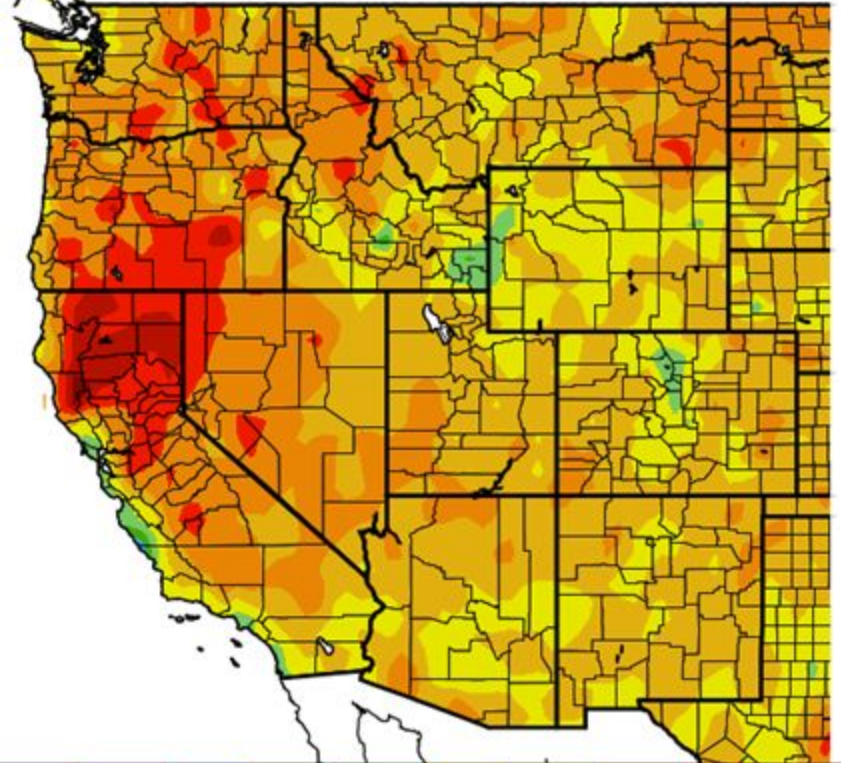
Temperature 7 day (Related to Average)

Ave. Temperature dep from Ave (deg F)
6/22/2020 – 6/28/2020



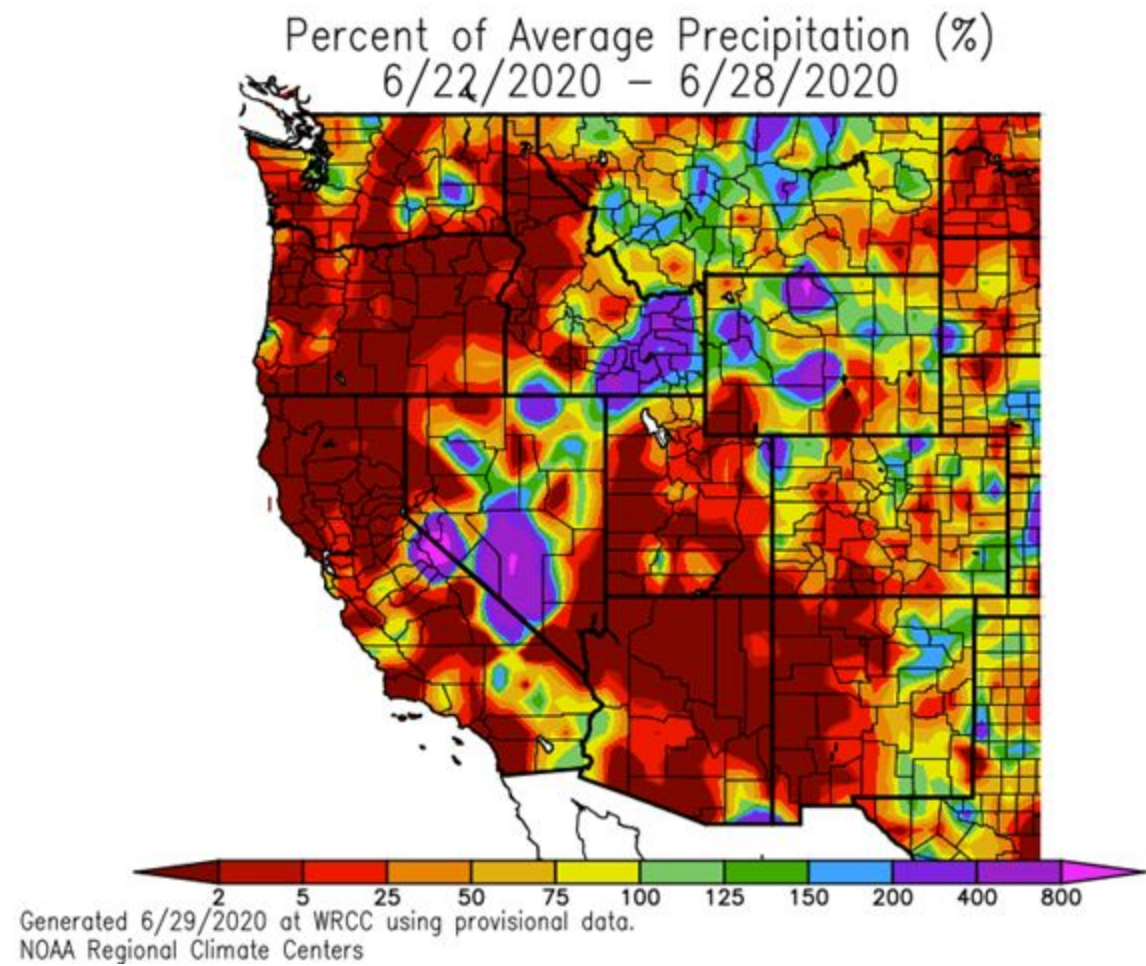
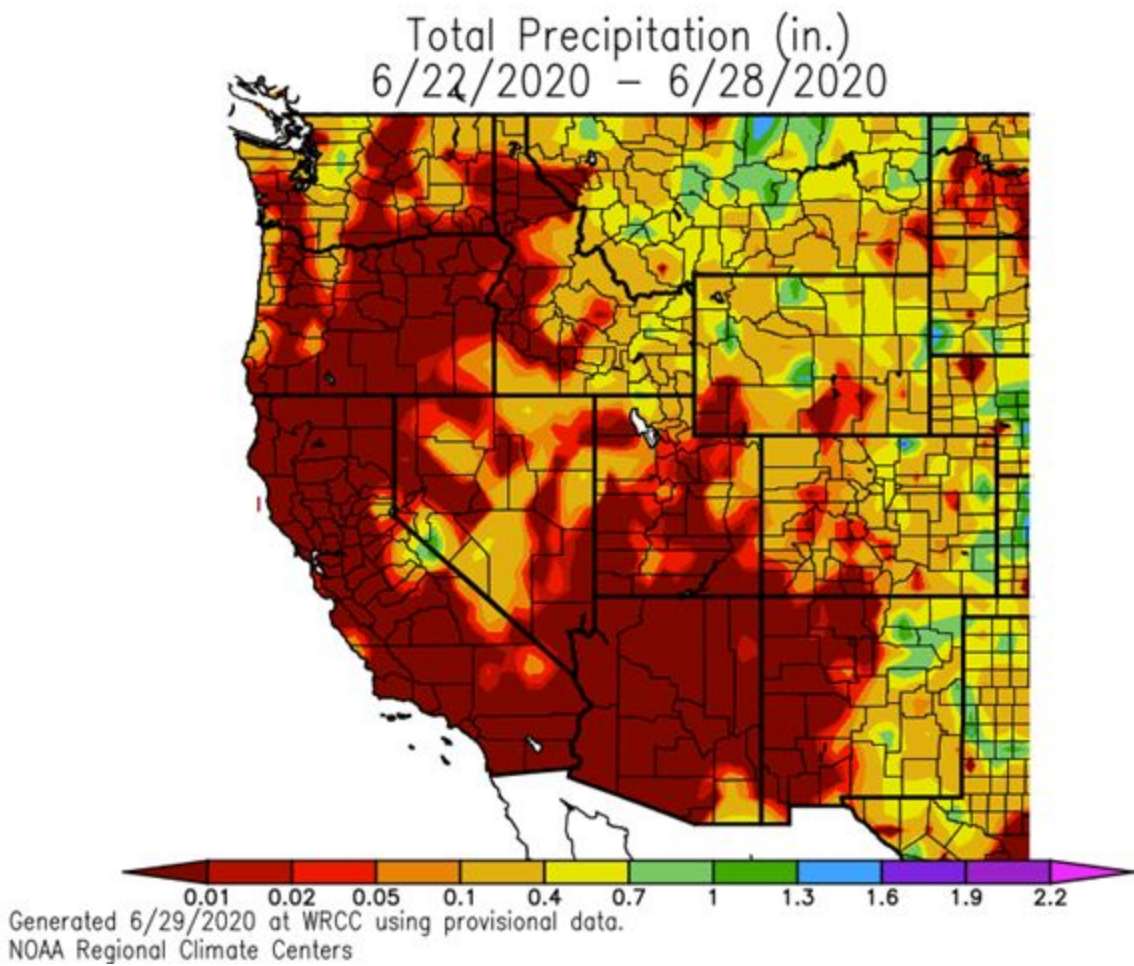
Generated 6/29/2020 at WRCC using provisional data.
NOAA Regional Climate Centers

Av. Max. Temperature dep from Ave (deg F)
6/22/2020 – 6/28/2020



Generated 6/29/2020 at WRCC using provisional data.
NOAA Regional Climate Centers

Precipitation 7 day history (Percent of Average)

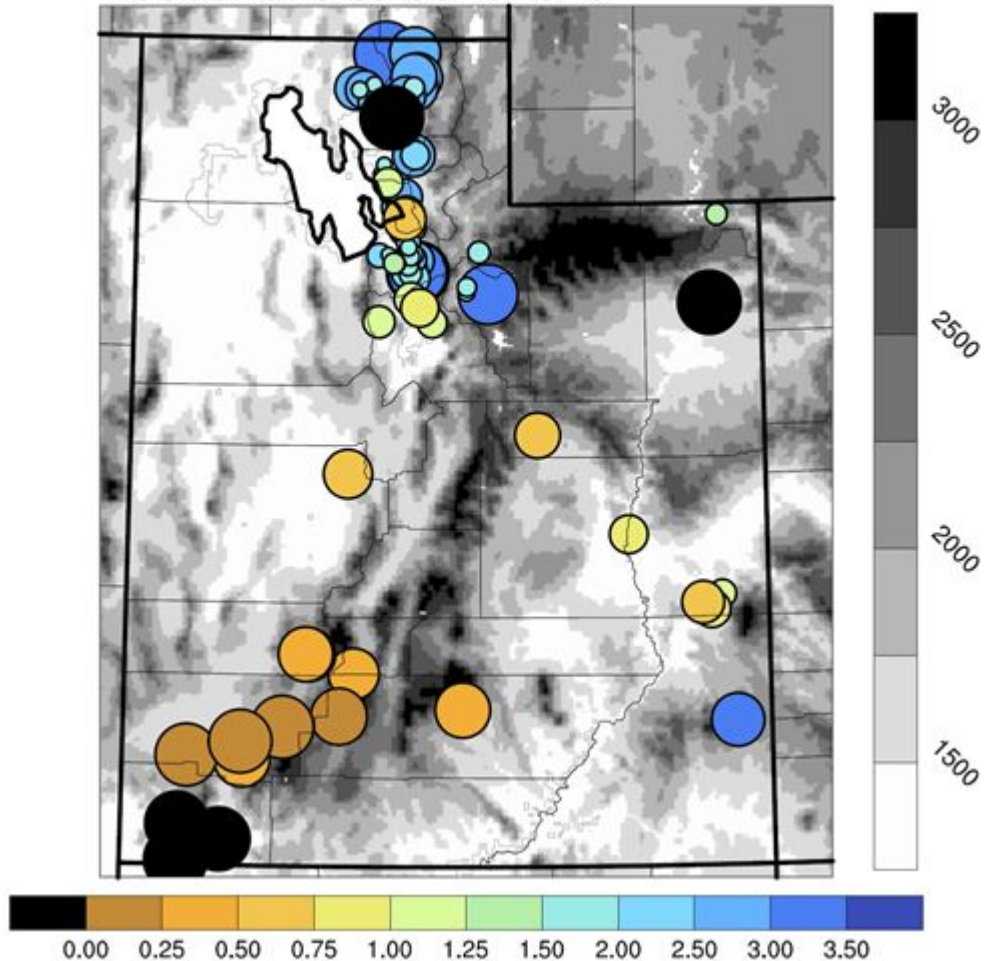


Surface station Observations: Month of May

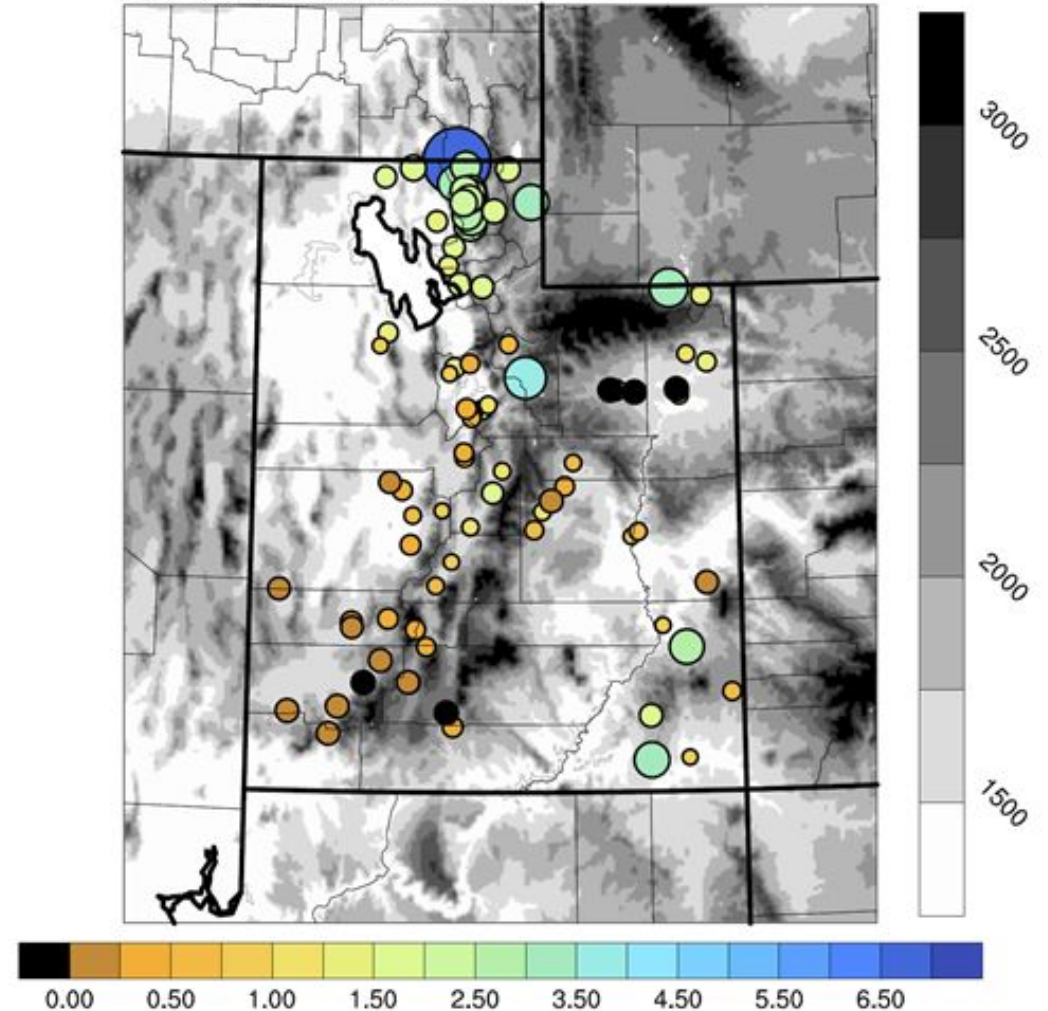
CoCoRaHS

UCC Stations

**CoCoRaHS Total Liquid Precip:
05302020 to 06292020**



**UCC Stations: Total Liquid Precip:
2020-5-30 to 2020-6-29**



Agency - Utah Climate Center

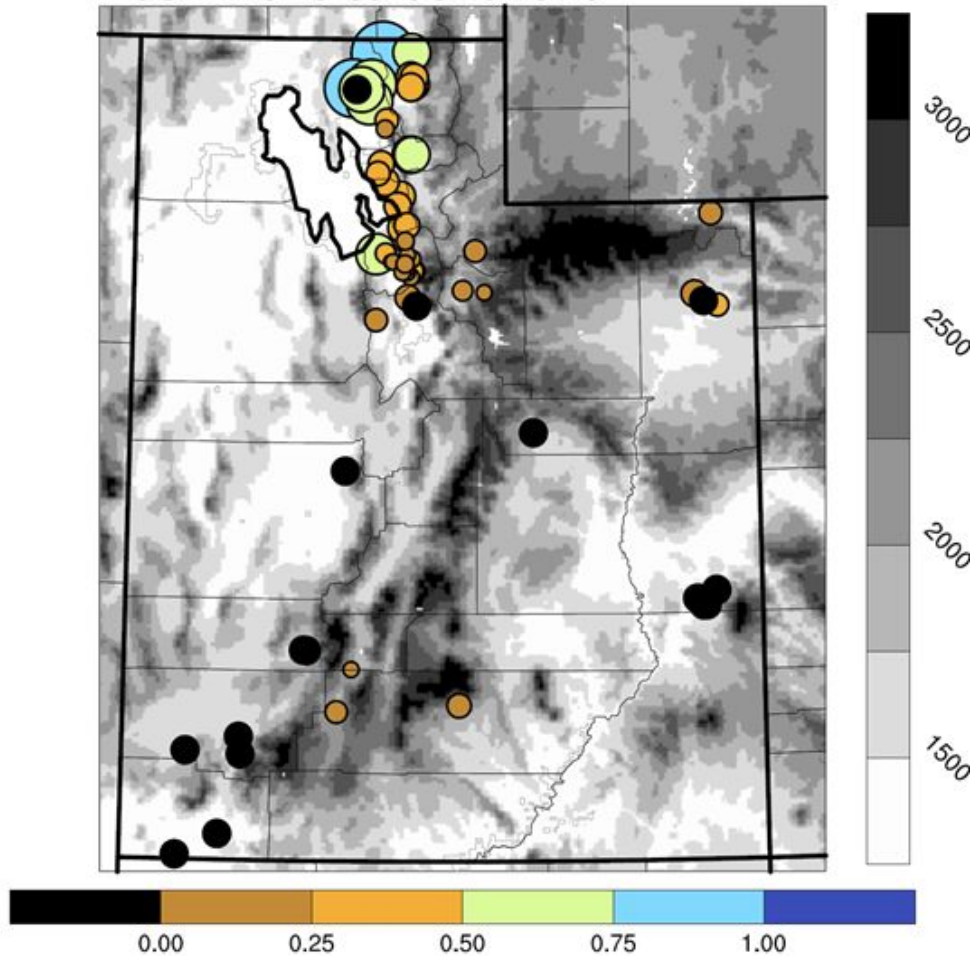
Presenter - Jon Meyer

Surface station Observations: Last week

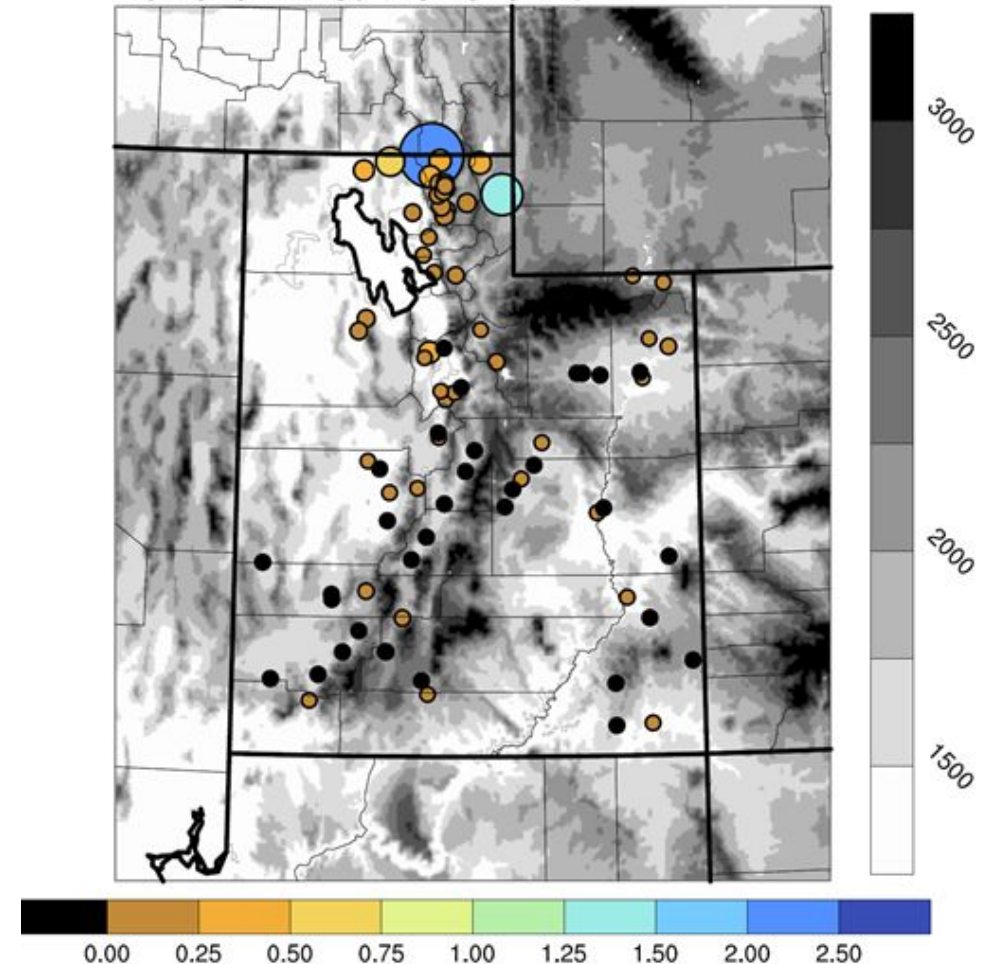
CoCoRaHS

UCC Stations

**CoCoRaHS Total Liquid Precip:
06212020 to 06292020**



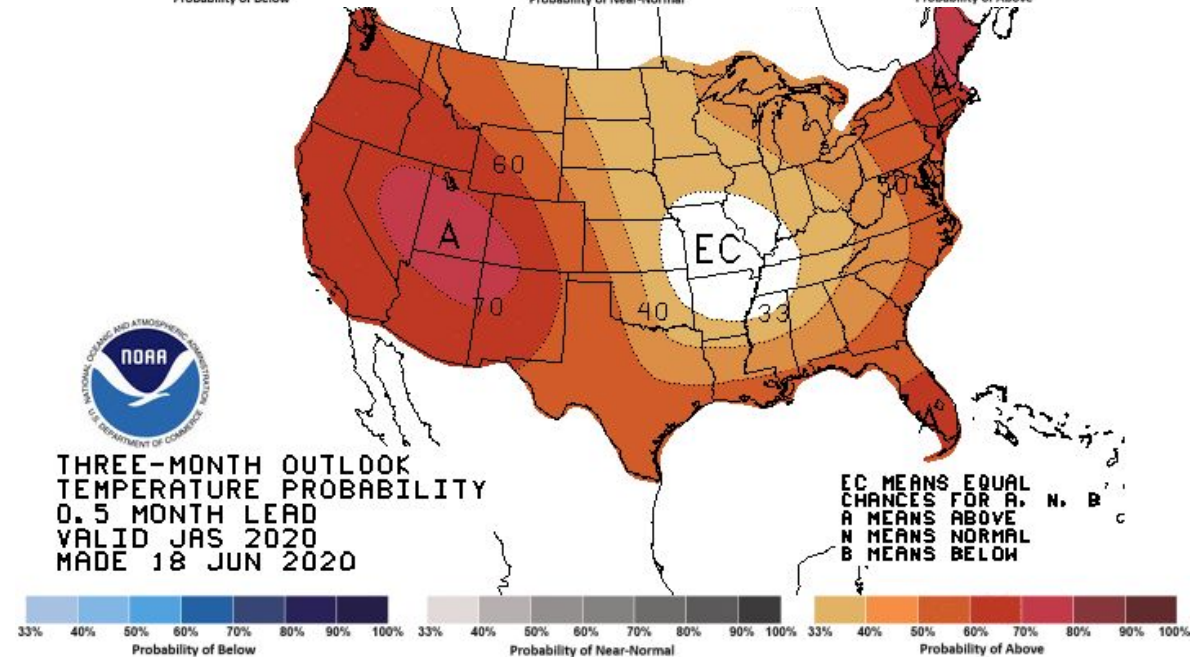
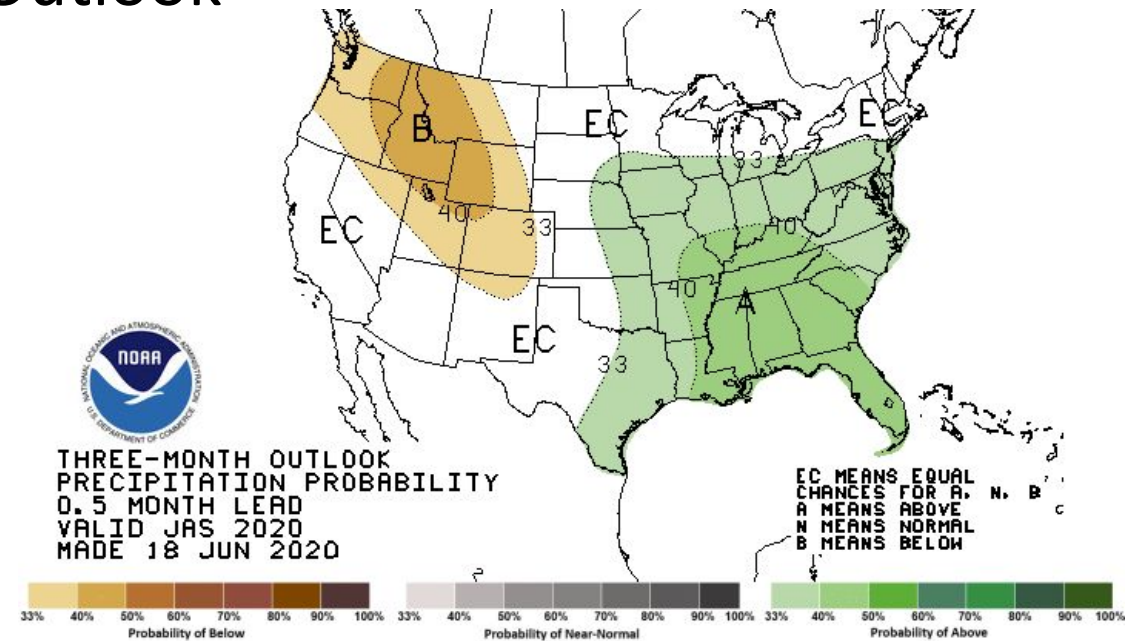
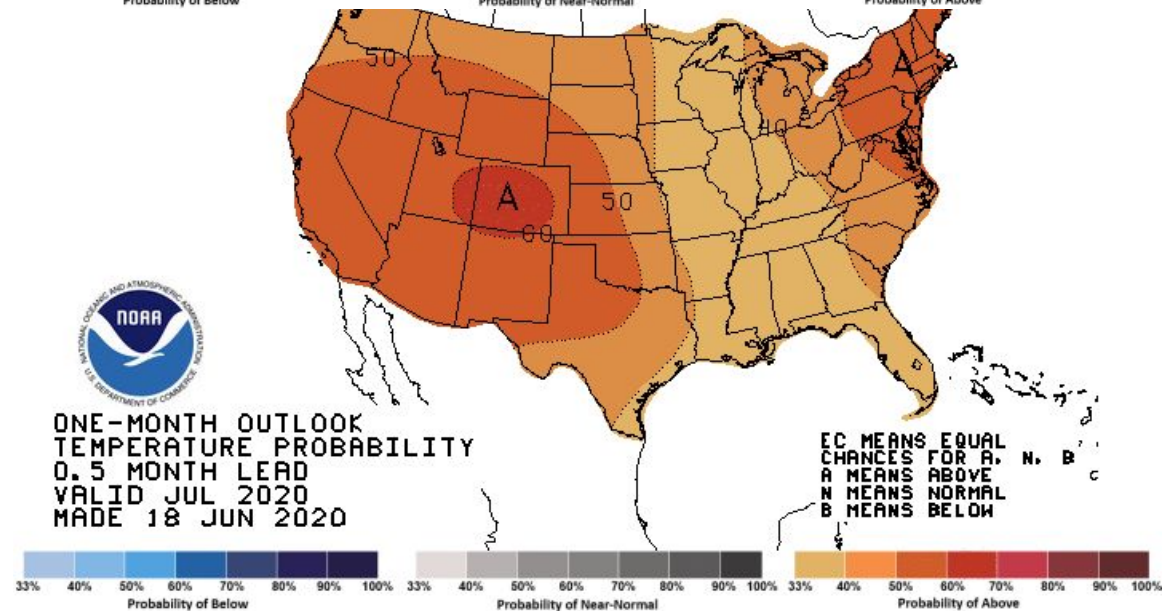
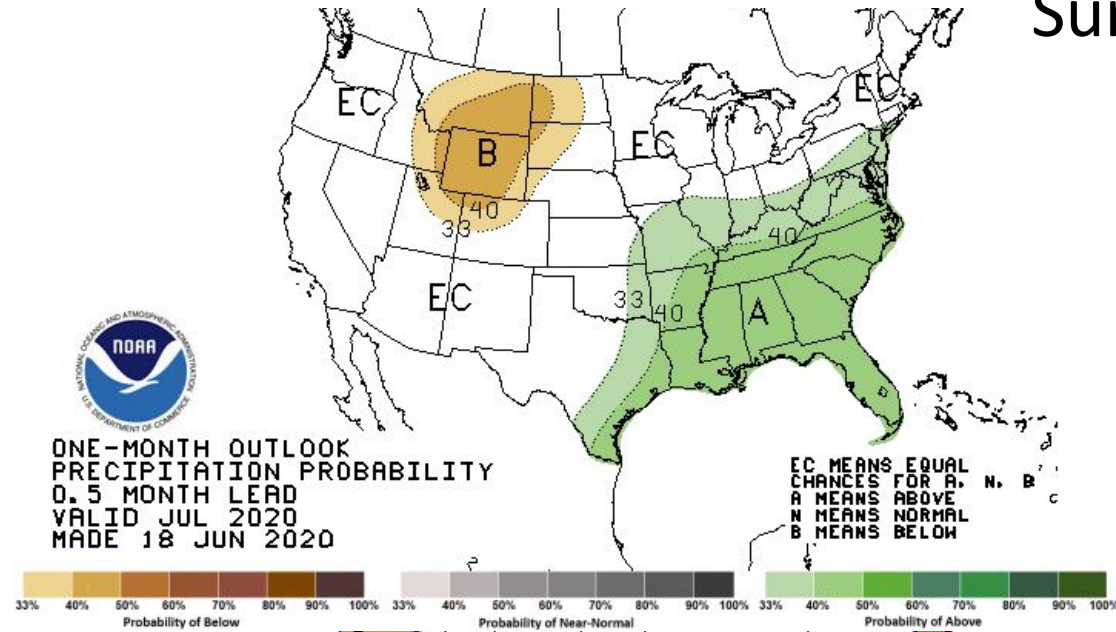
**UCC Stations: Total Liquid Precip:
2020-6-21 to 2020-6-29**



Agency - Utah Climate Center

Presenter - Jon Meyer

Summer Outlook

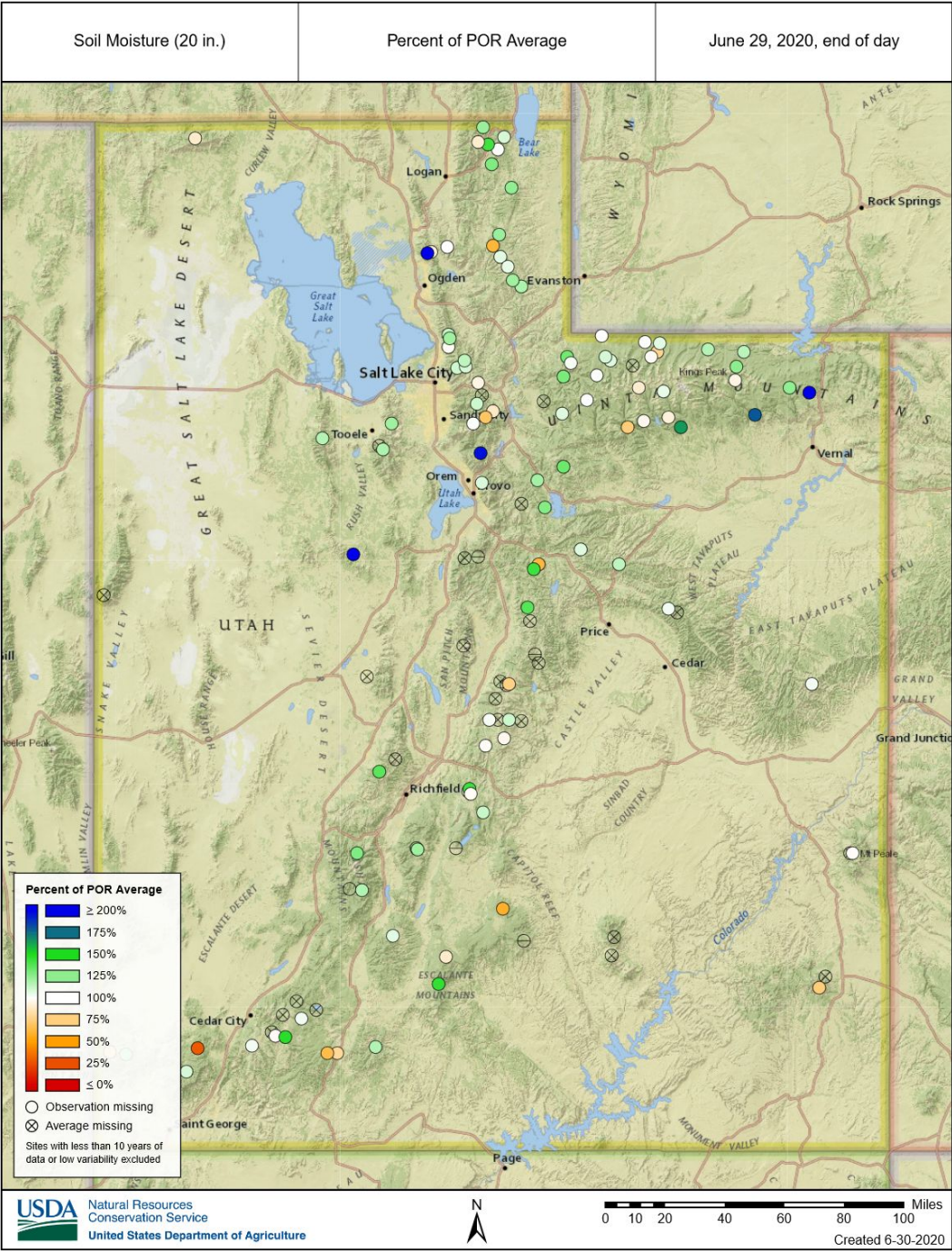


Agency - Utah Climate Center

Presenter - Jon Meyer

Soil Moisture (Current)

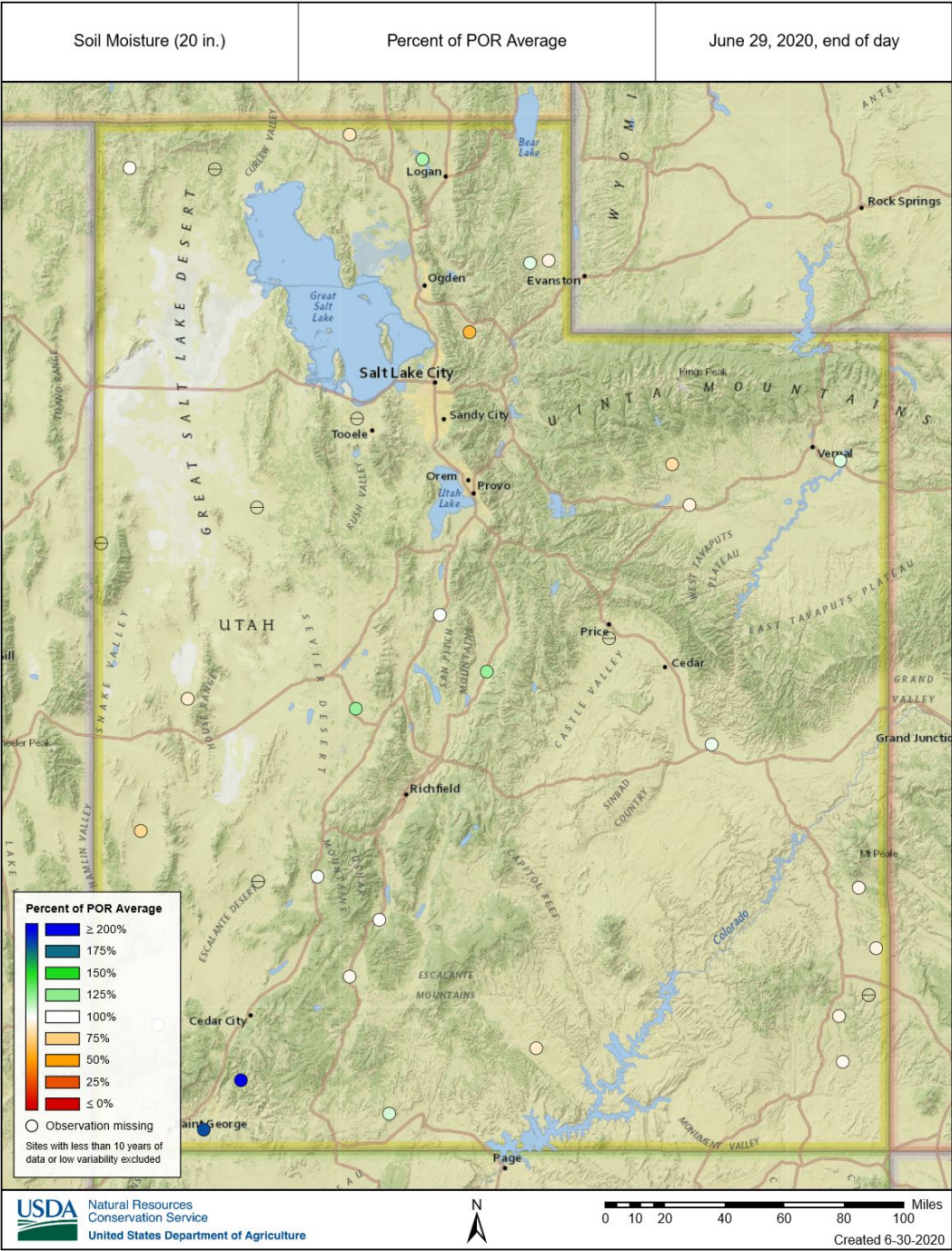
Mountain locations (SNOTEL)



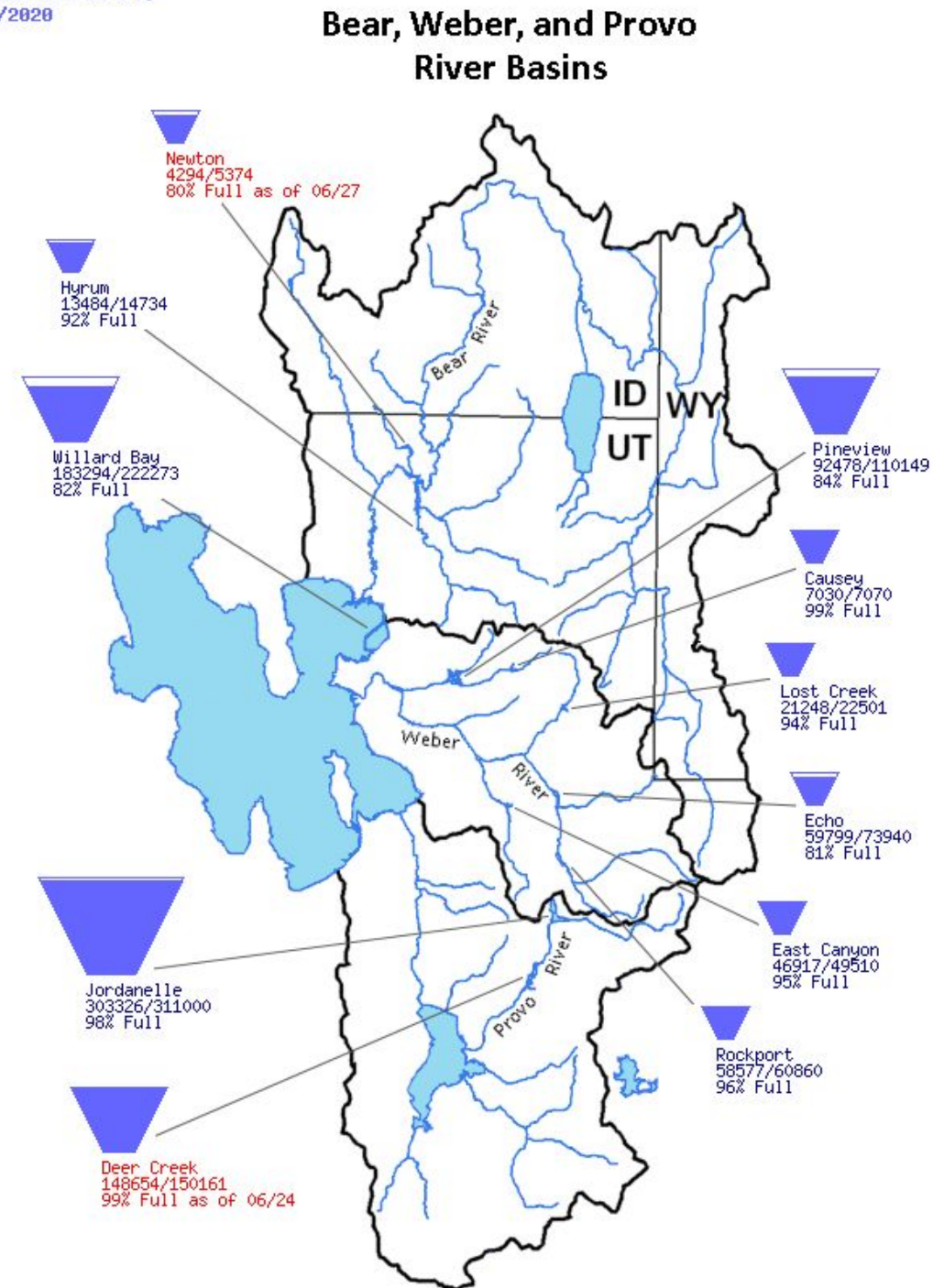
Soil Moisture (Current)

Valley locations (SCAN)

Agency - NRCS Snow Survey
Presenter - Jordan Clayton



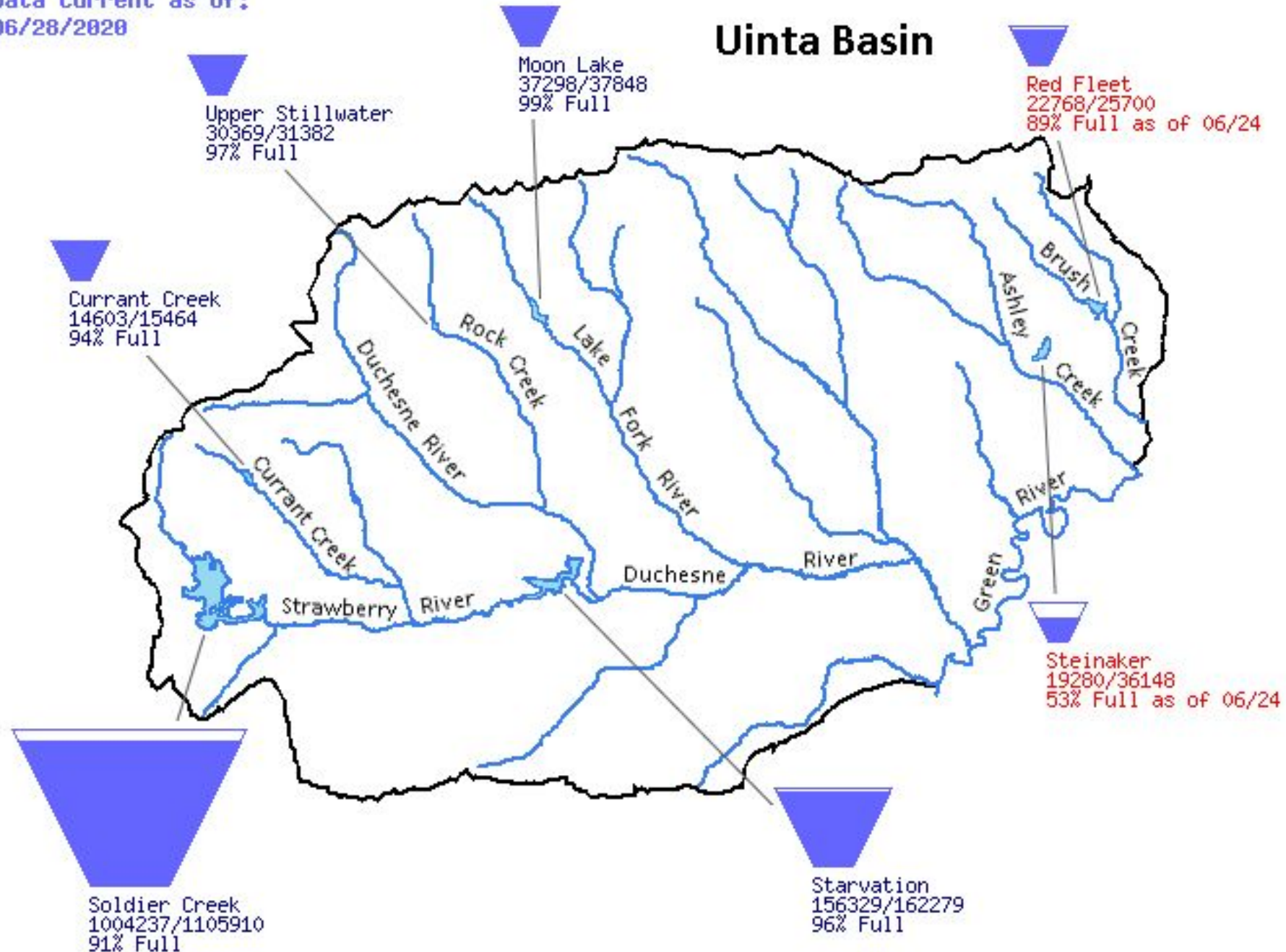
Reservoir Levels USBR



Reservoir Levels USBR

Data Current as of:
06/28/2020

Uinta Basin

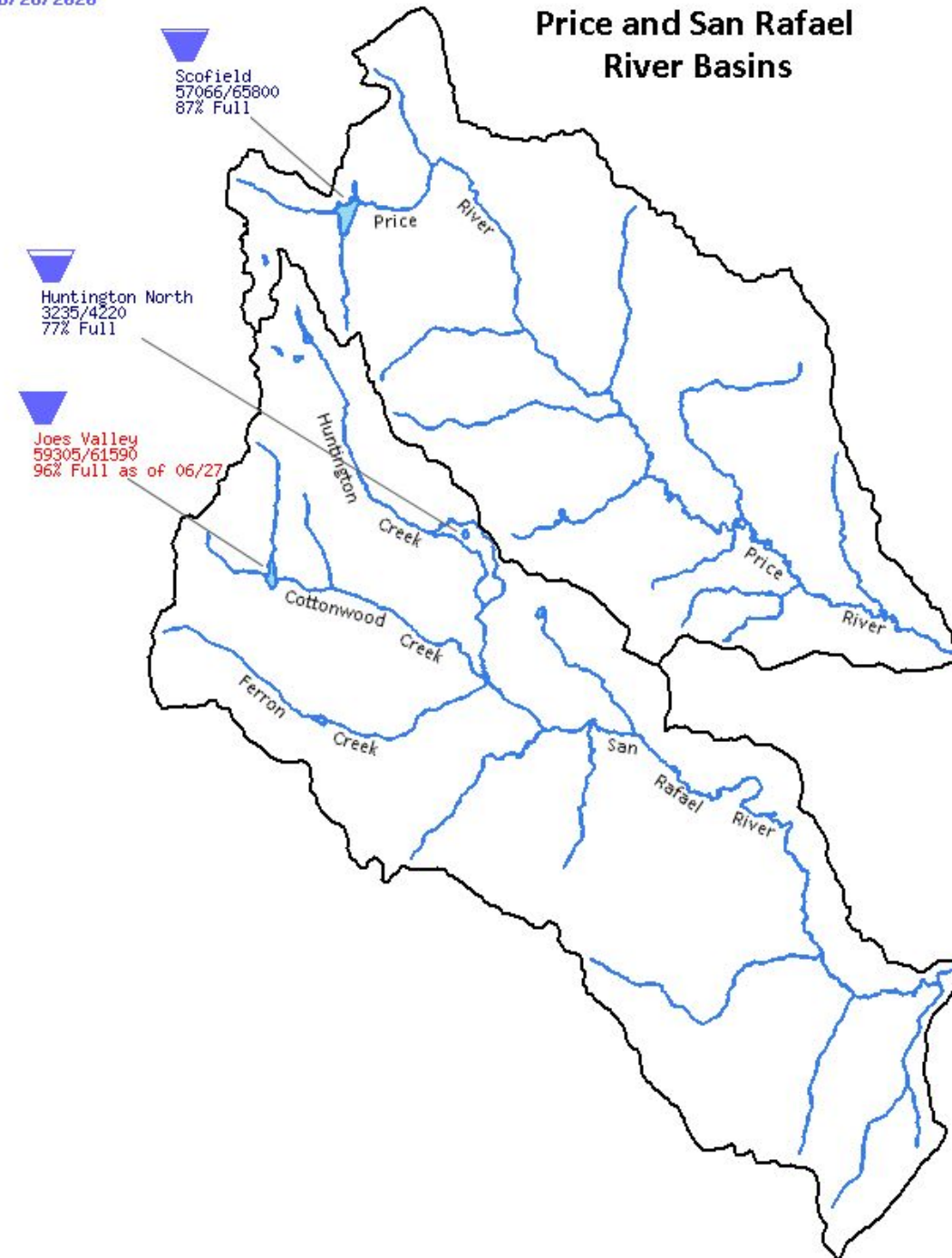


<https://www.usbr.gov/uc/water/basin/>

Presenter - Laura Haskell

Reservoir Levels USBR

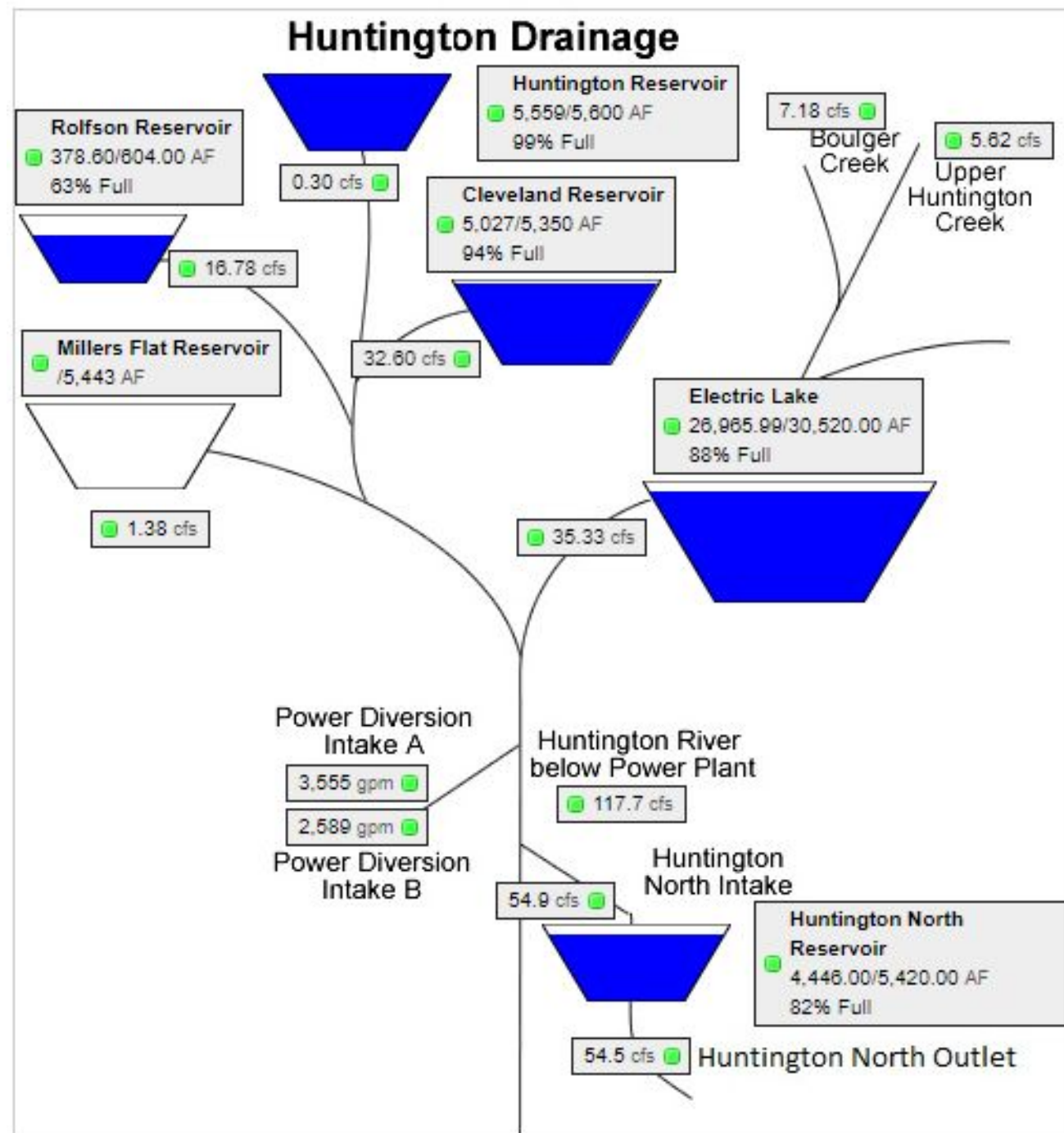
Data Current as of:
06/28/2020



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

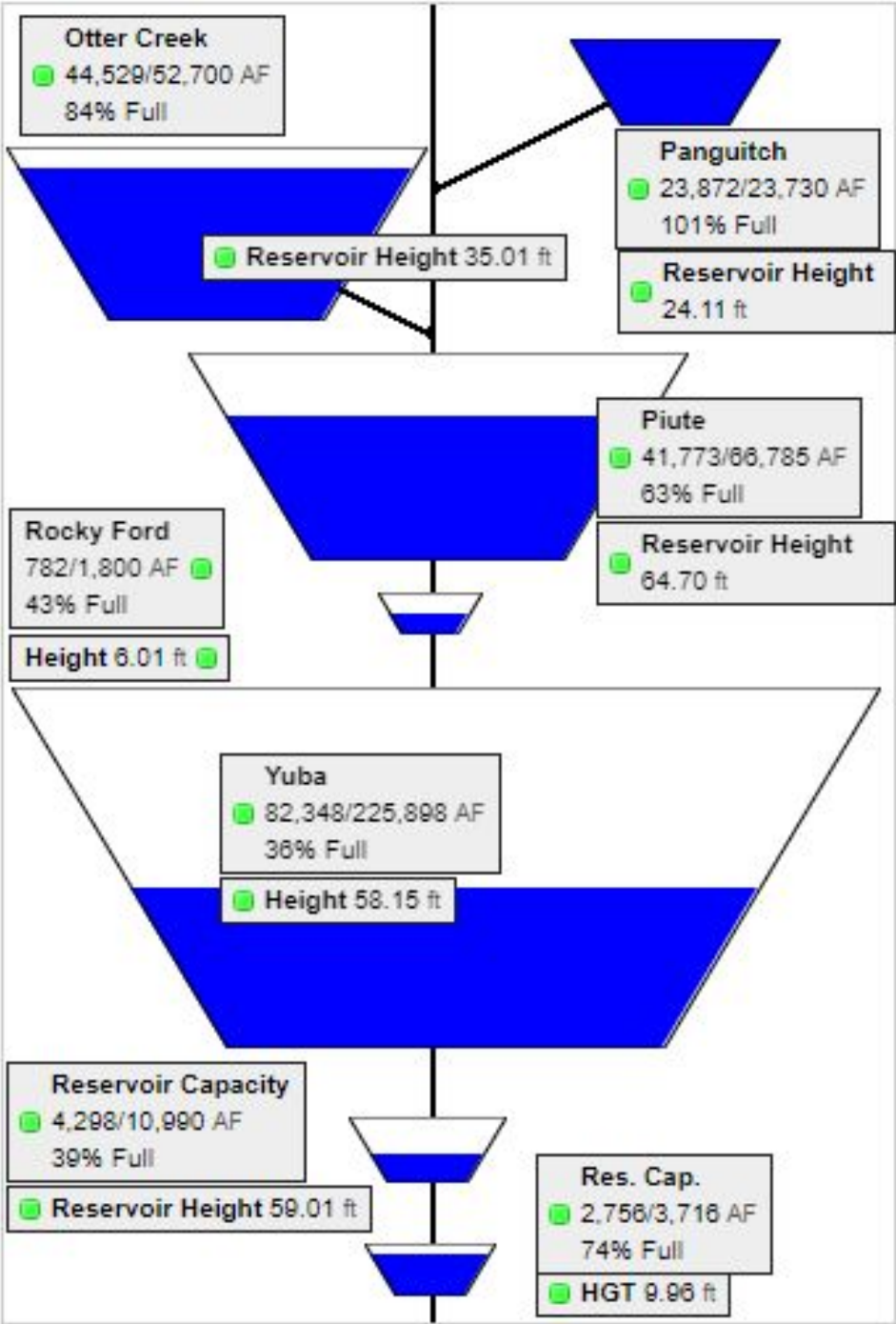
Presenter - Laura Haskell

Reservoir Levels Emery Water Conservancy District



Reservoir Levels

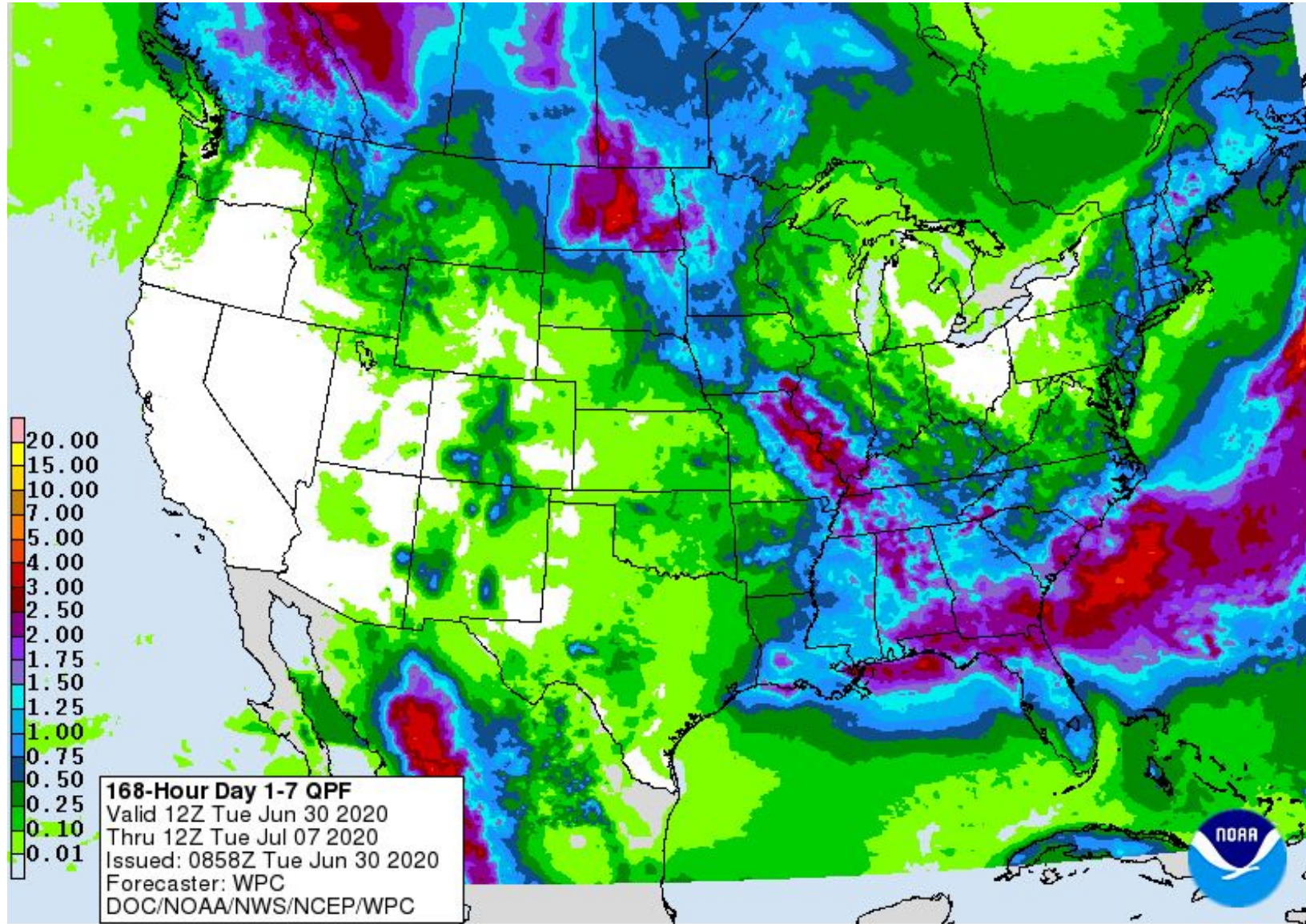
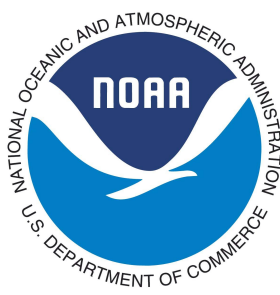
Sevier River Water Users



<http://www.sevierriver.org/reservoirs/teacup-diagram-of-reservoirs/>

Presenter - Laura Haskell

Weather Forecast Office Utah Day 1-7 Outlook

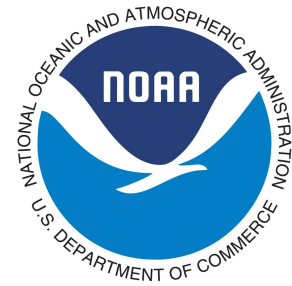


- Generally dry conditions are expected for the next week.
- Isolated rainfall amounts up to 0.25" across the northern mountains
- Zero up to a tenth of an inch (0.10") elsewhere.

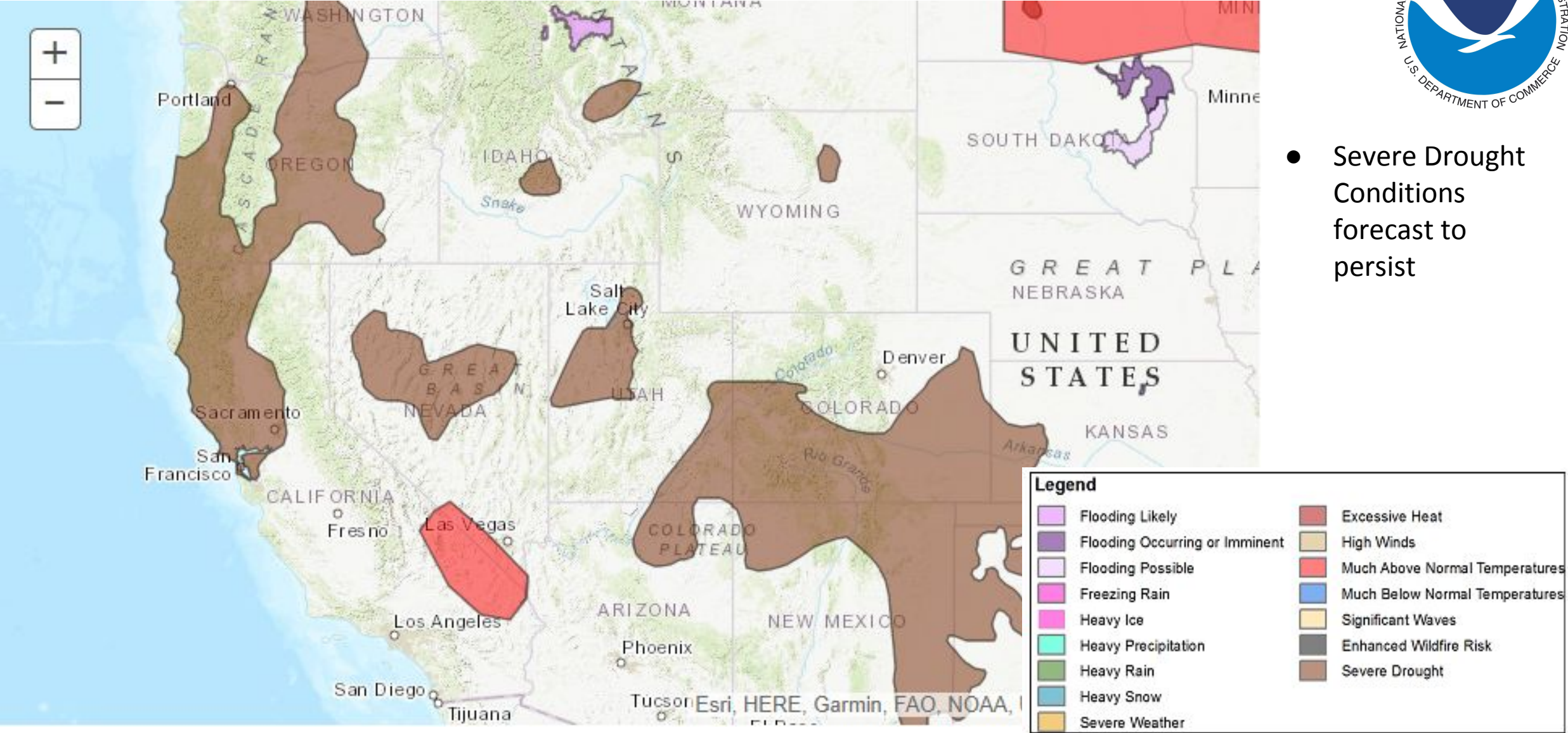
Agency - National Weather Service Weather Forecast Office

Presenter - Jeff Colton - WFO GJT

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



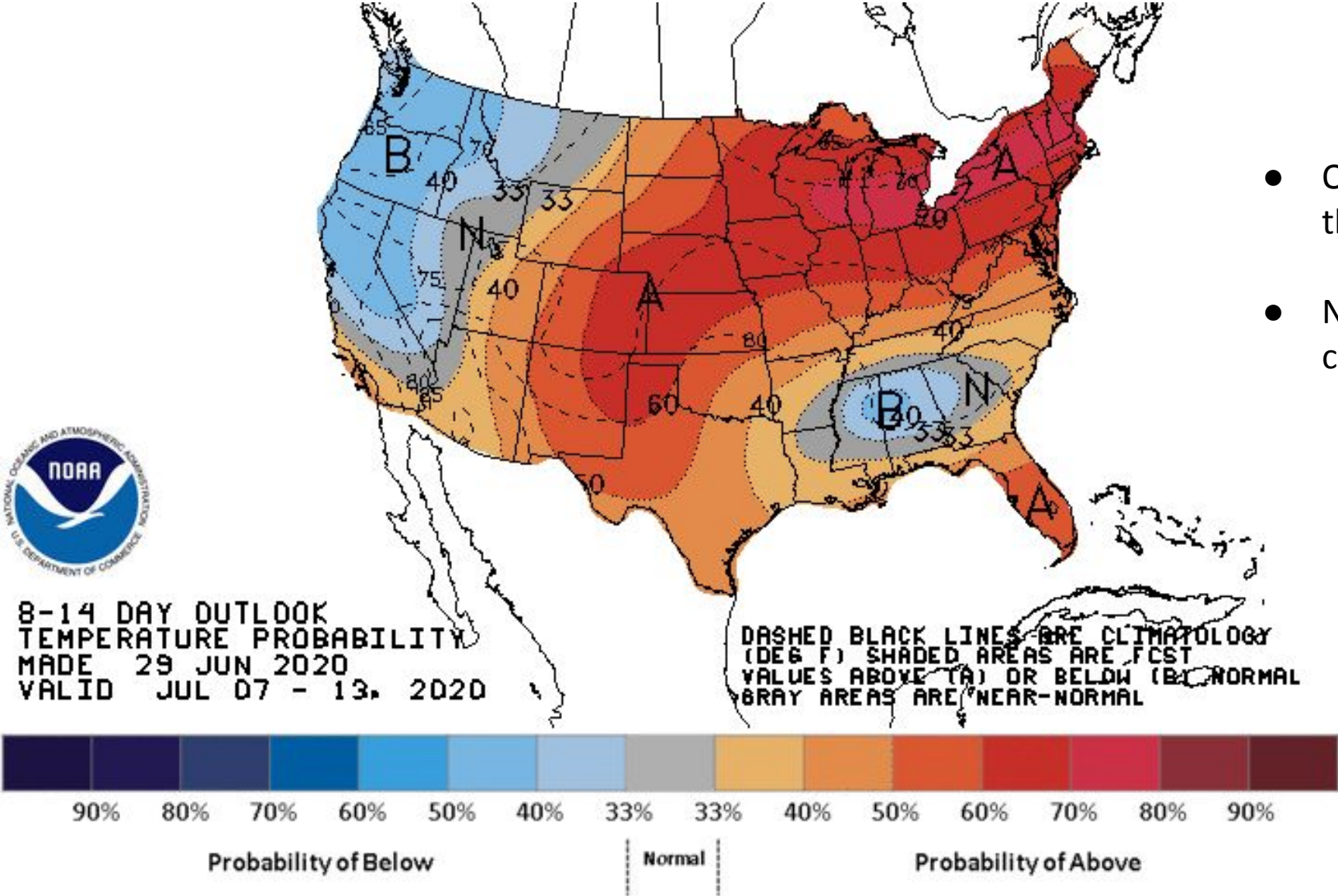
- Severe Drought Conditions forecast to persist



Climate Prediction Center 8 to 14 Day Outlooks - Temperature



8-14 DAY OUTLOOK
TEMPERATURE PROBABILITY
MADE 29 JUN 2020
VALID JUL 07 - 13, 2020

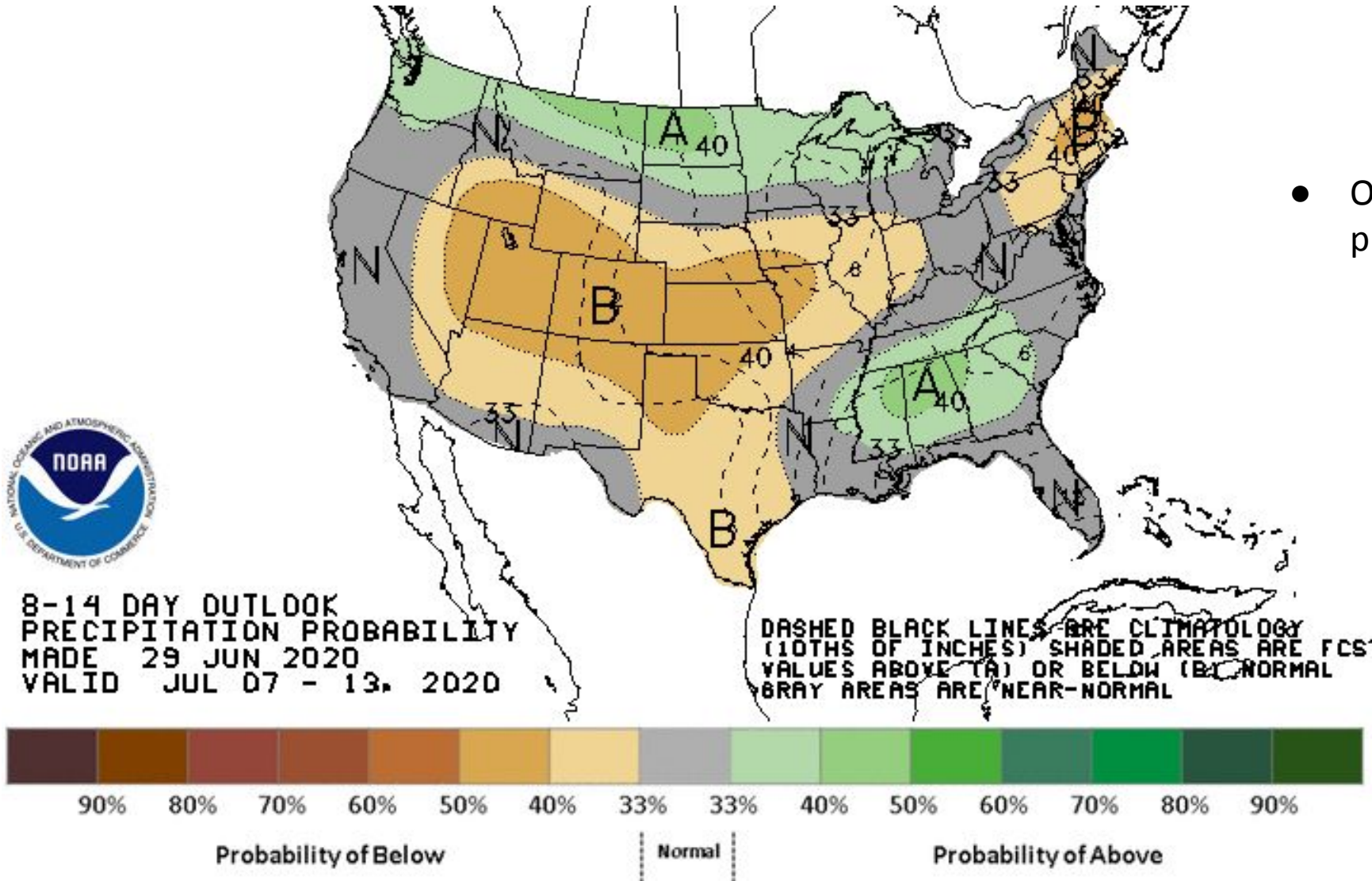


- Odds favoring cooler weather along the West Coast
- Near normal to above normal conditions expected across Utah

Climate Prediction Center 8 to 14 Day Outlooks - Precipitation

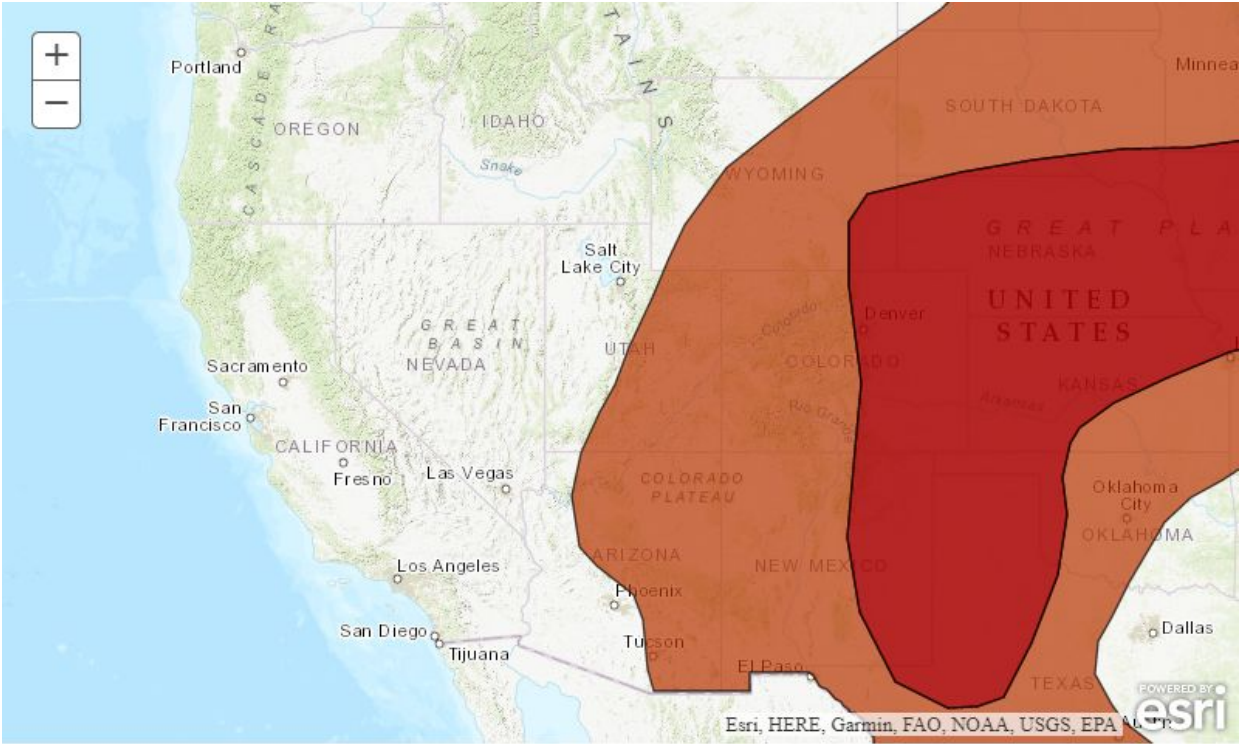


8-14 DAY OUTLOOK
PRECIPITATION PROBABILITY
MADE 29 JUN 2020
VALID JUL 07 - 13, 2020



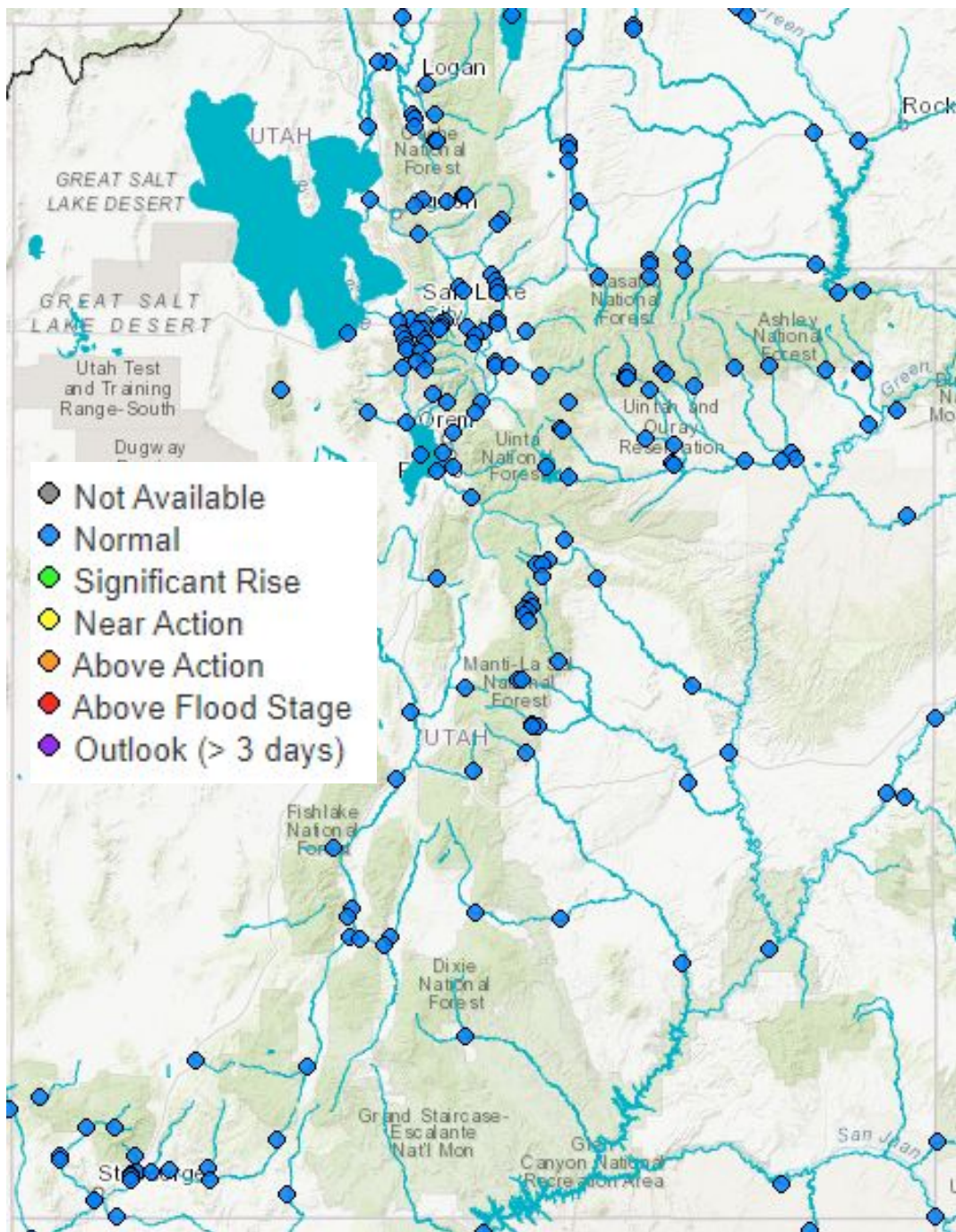
- Odds favor below normal precipitation for all of Utah

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



- Slight Risk of Excessive Heat across much of eastern Utah

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>	



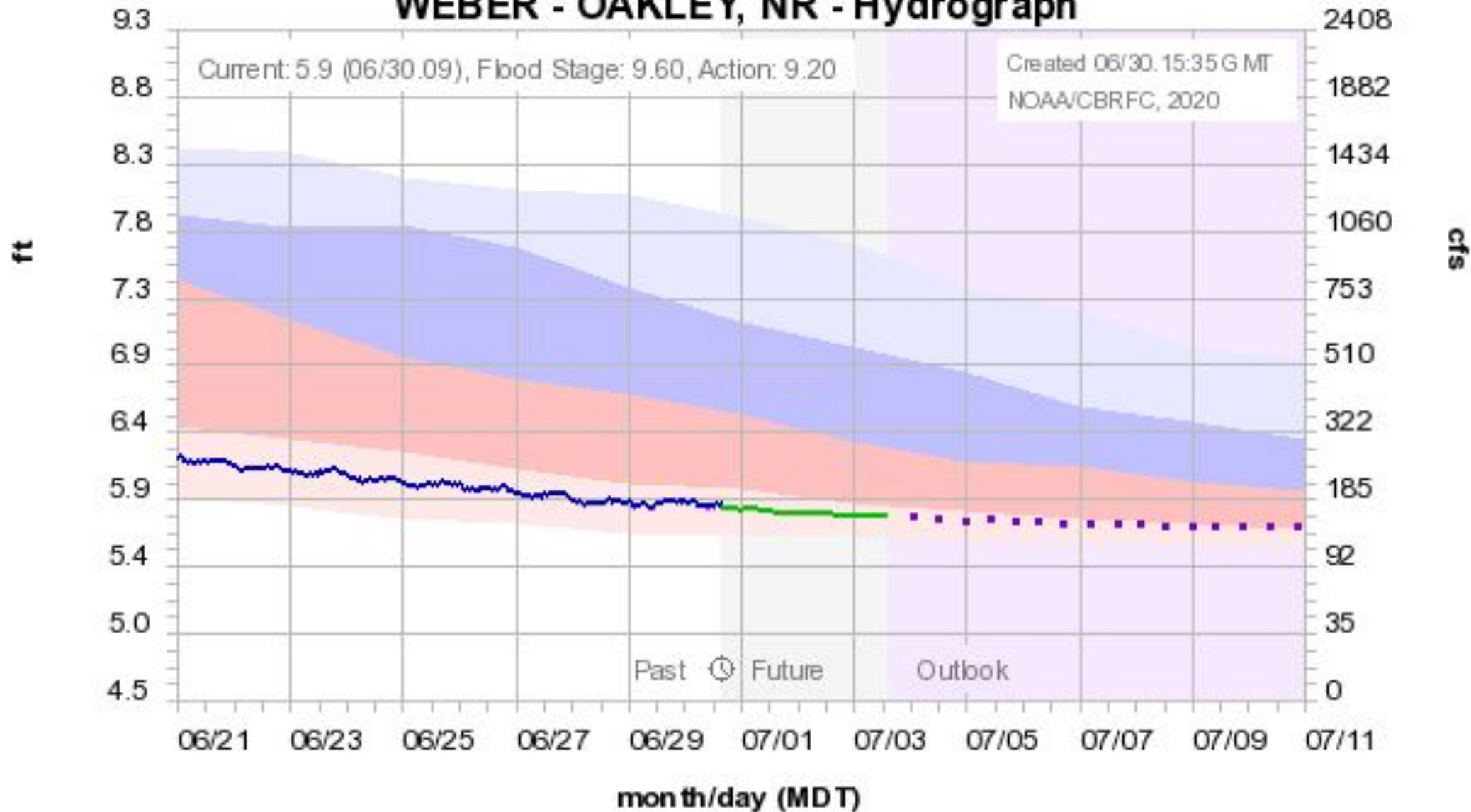
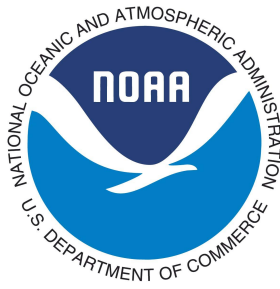
Snowpack driven runoff is, for all intents, done for the season. The CBRFC will continue providing raw guidance through the end of July, but forecasts are not likely to change much at this point.

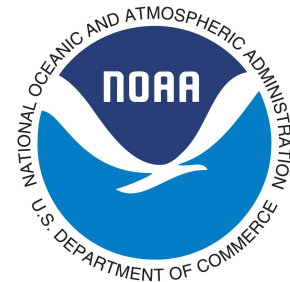
10-day forecasts will continue to be issued at least once daily

- Incorporate 5-day precipitation forecast
- Incorporate 10-day temperature forecast

No significant rises or critical levels currently forecasted

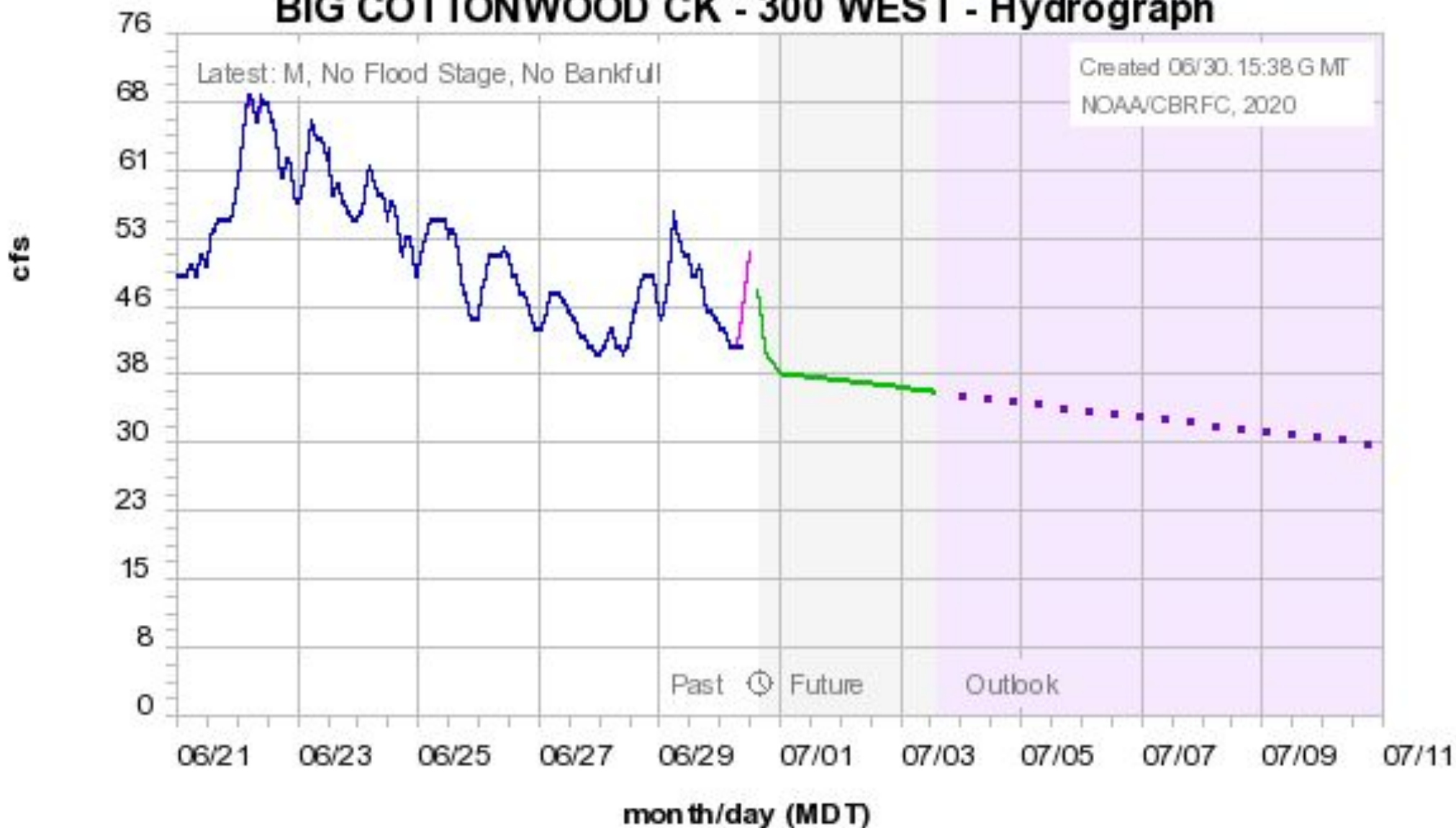
Colorado Basin River Forecast Center WEBER - OAKLEY, NR - Hydrograph





Colorado Basin River Forecast Center

BIG COTTONWOOD CK - 300 WEST - Hydrograph

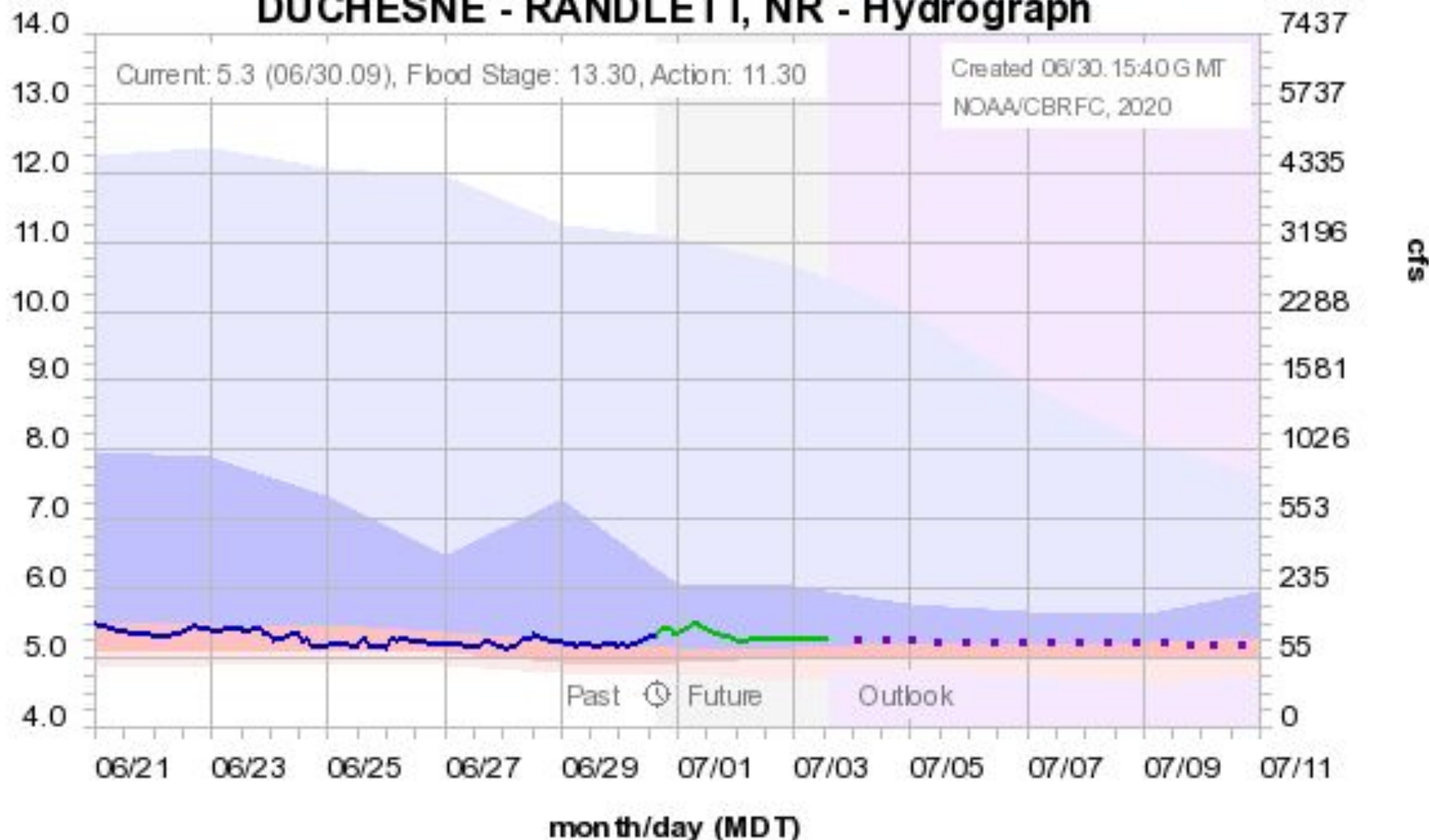
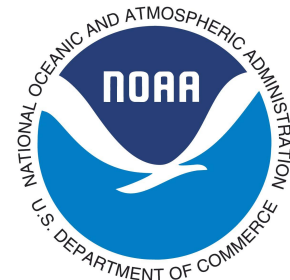


Simulated — Observed — Forecast (06/30.14:00) — Outlook (increasing uncertainty) ..

Historical Exceedance Probability (USGS): 90-75% 75-50% 50-25% 25-10%

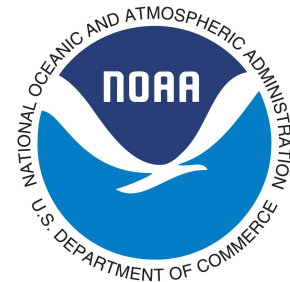
Colorado Basin River Forecast Center

DUCHESNE - RANDLETT, NR - Hydrograph



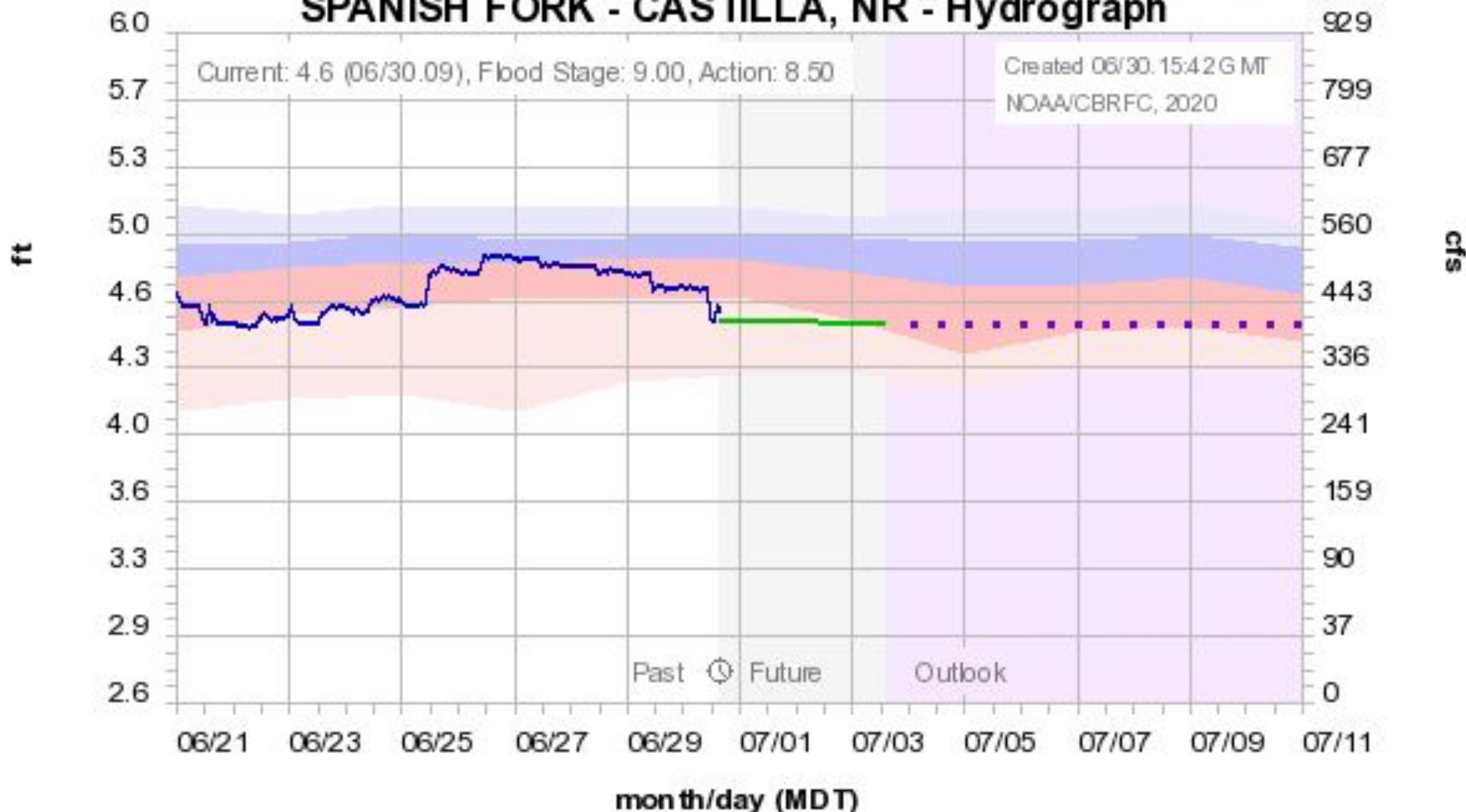
Simulated — Observed — Forecast (06/30.13:00) — Outlook (increasing uncertainty) ..

Historical Exceedance Probability (USGS): 90-75% 75-50% 50-25% 25-10%



Colorado Basin River Forecast Center

SPANISH FORK - CASTILLA, NR - Hydrograph

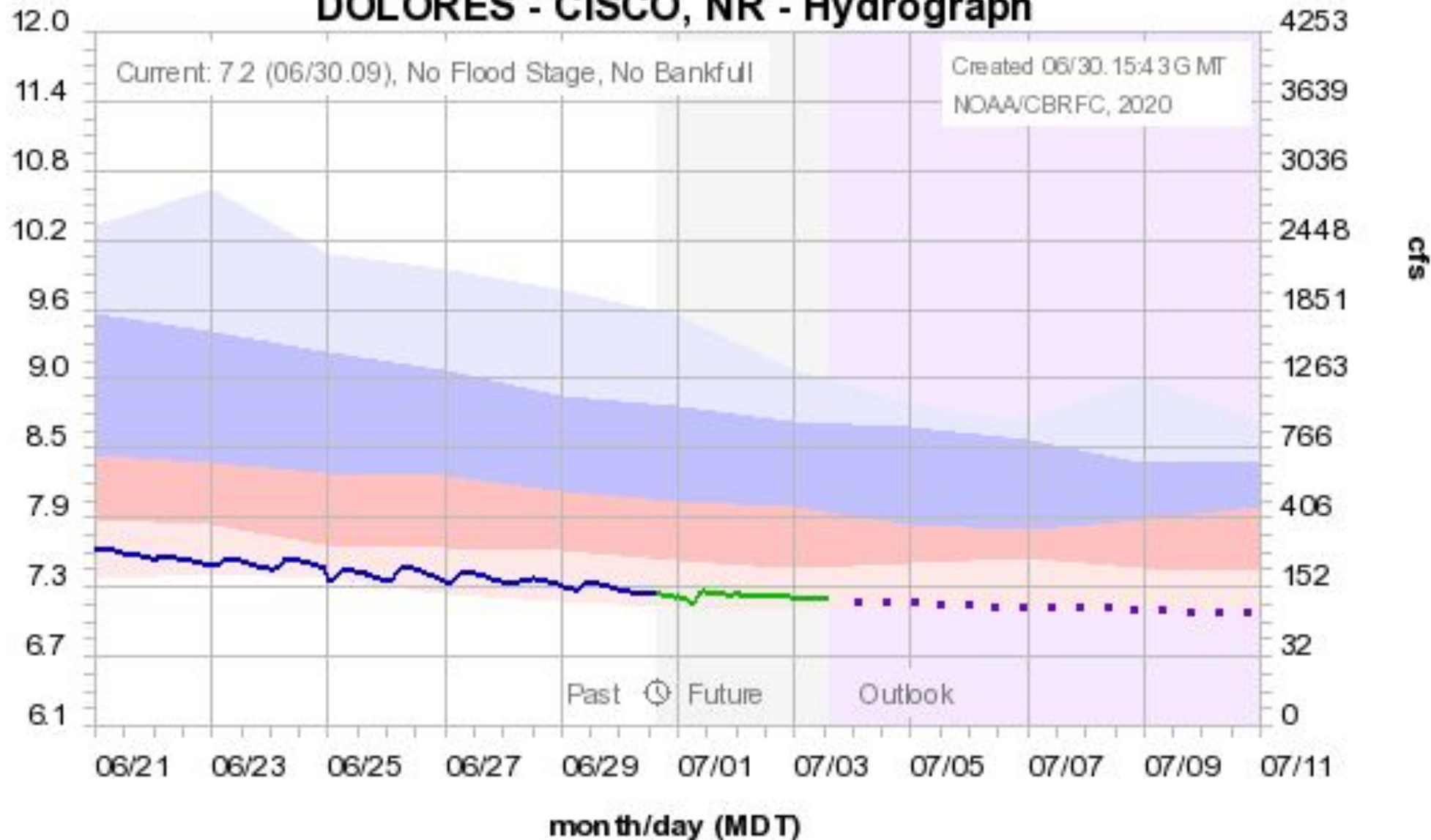
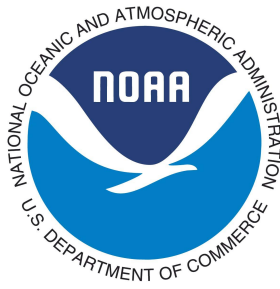


Simulated — Observed — Forecast (06/30.14:00) — Outlook (increasing uncertainty) - -

Historical Exceedance Probability (USGS): 90-75% 75-50% 50-25% 25-10%

Colorado Basin River Forecast Center

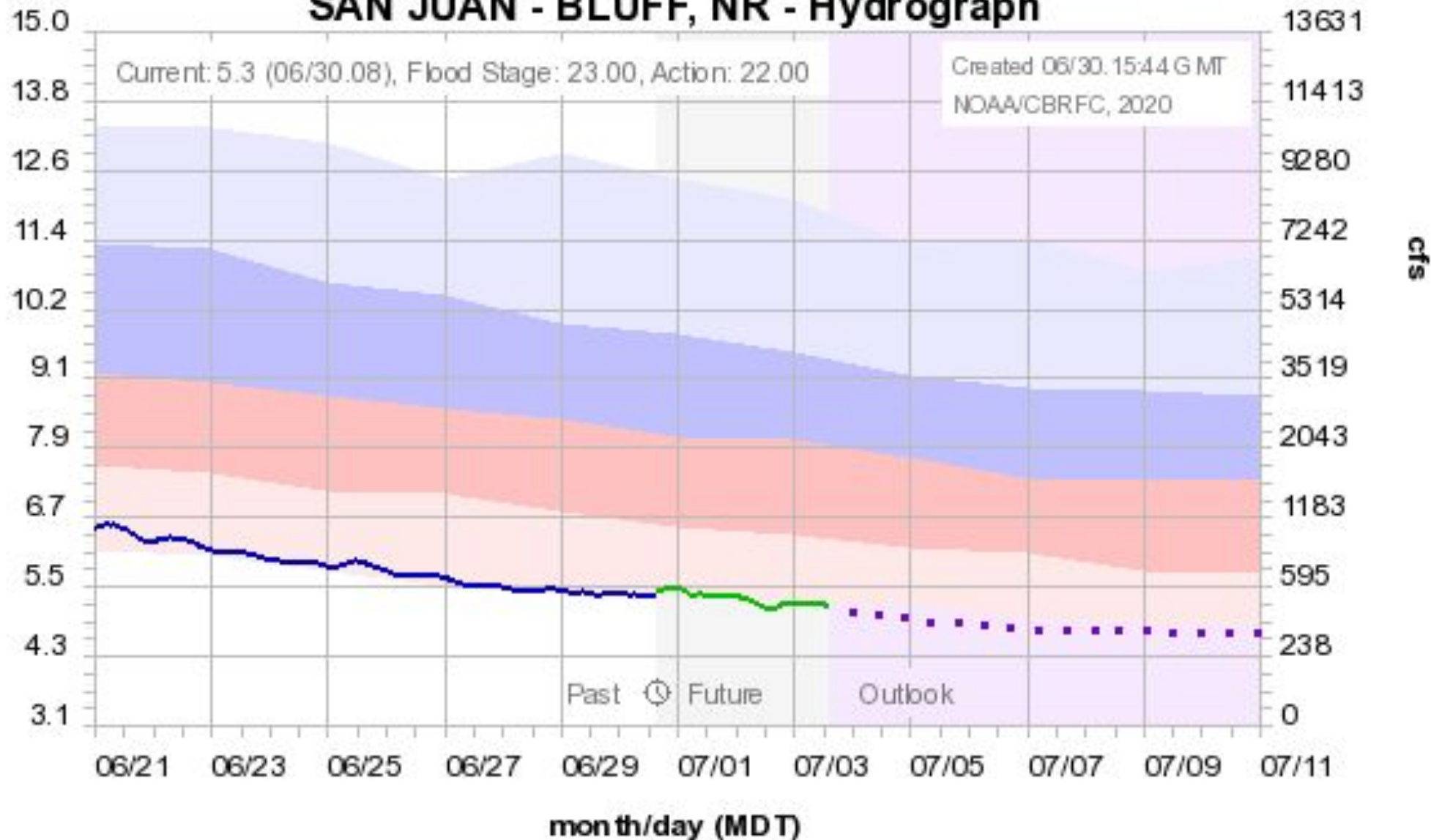
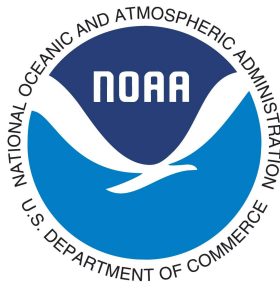
DOLORES - CISCO, NR - Hydrograph



Simulated — Observed — Forecast (06/30.14:00) — Outlook (increasing uncertainty) ..

Historical Exceedance Probability (USGS): 90-75% 75-50% 50-25% 25-10%

Colorado Basin River Forecast Center SAN JUAN - BLUFF, NR - Hydrograph

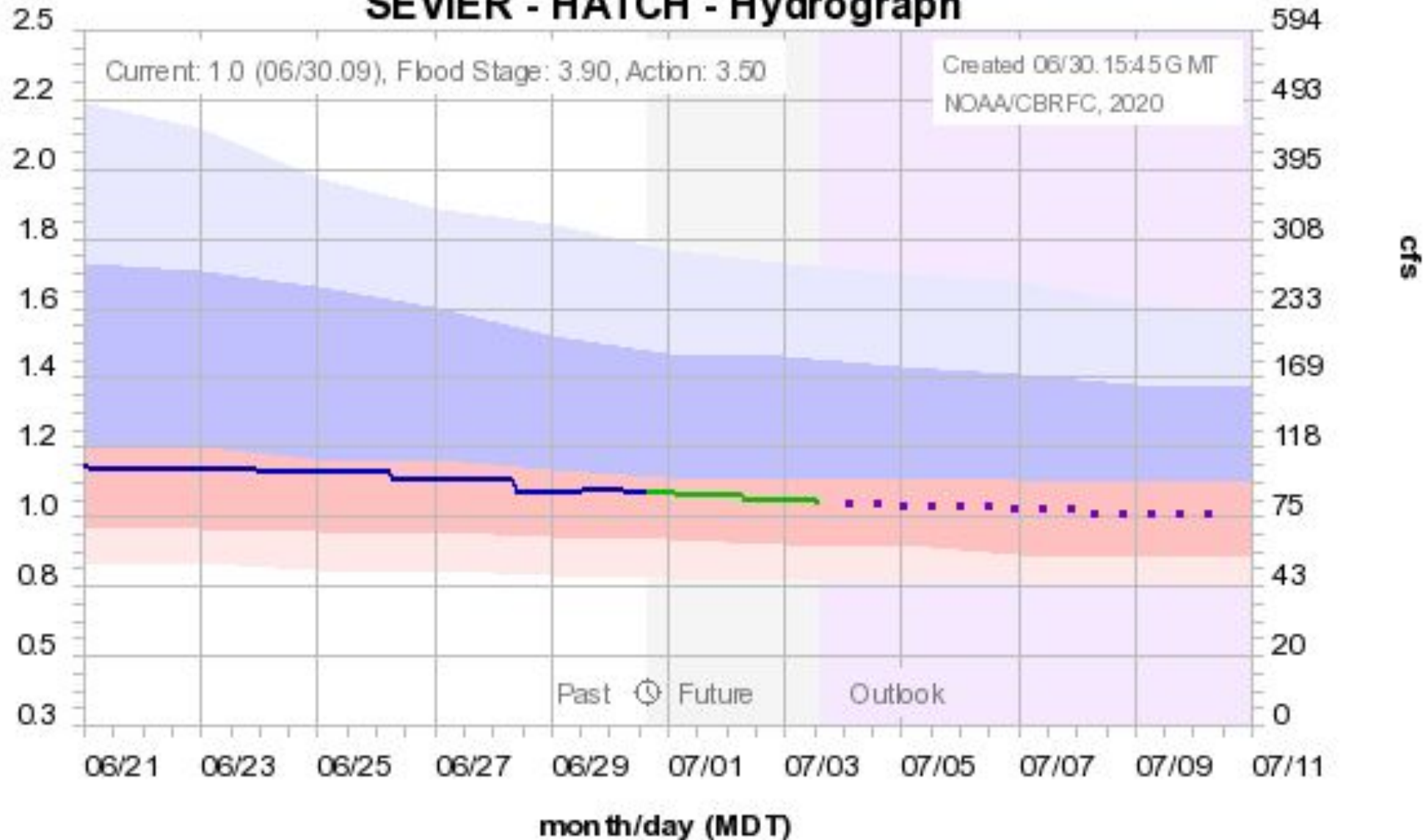
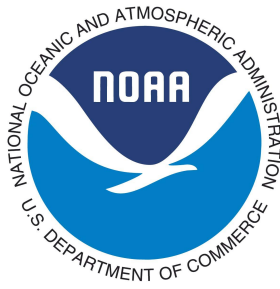


Simulated — Observed — Forecast (06/30. 14:00) — Outlook (increasing uncertainty) ..

Historical Exceedance Probability (USGS): 90-75% 75-50% 50-25% 25-10%

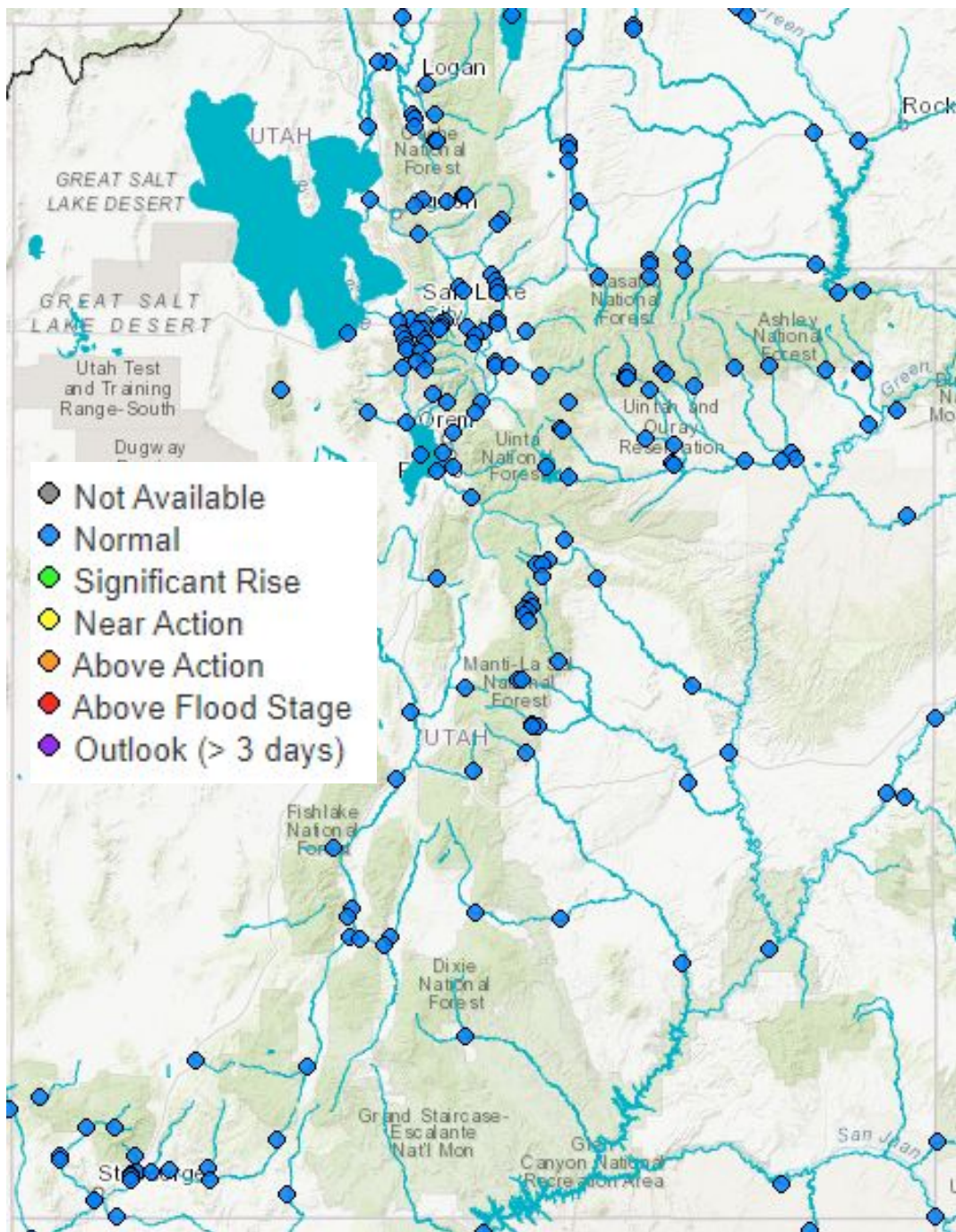
Colorado Basin River Forecast Center

SEVIER - HATCH - Hydrograph



Simulated — Observed — Forecast (06/30. 14:00) — Outlook (increasing uncertainty) ..

Historical Exceedance Probability (USGS): 90-75% 75-50% 50-25% 25-10% 10-0%

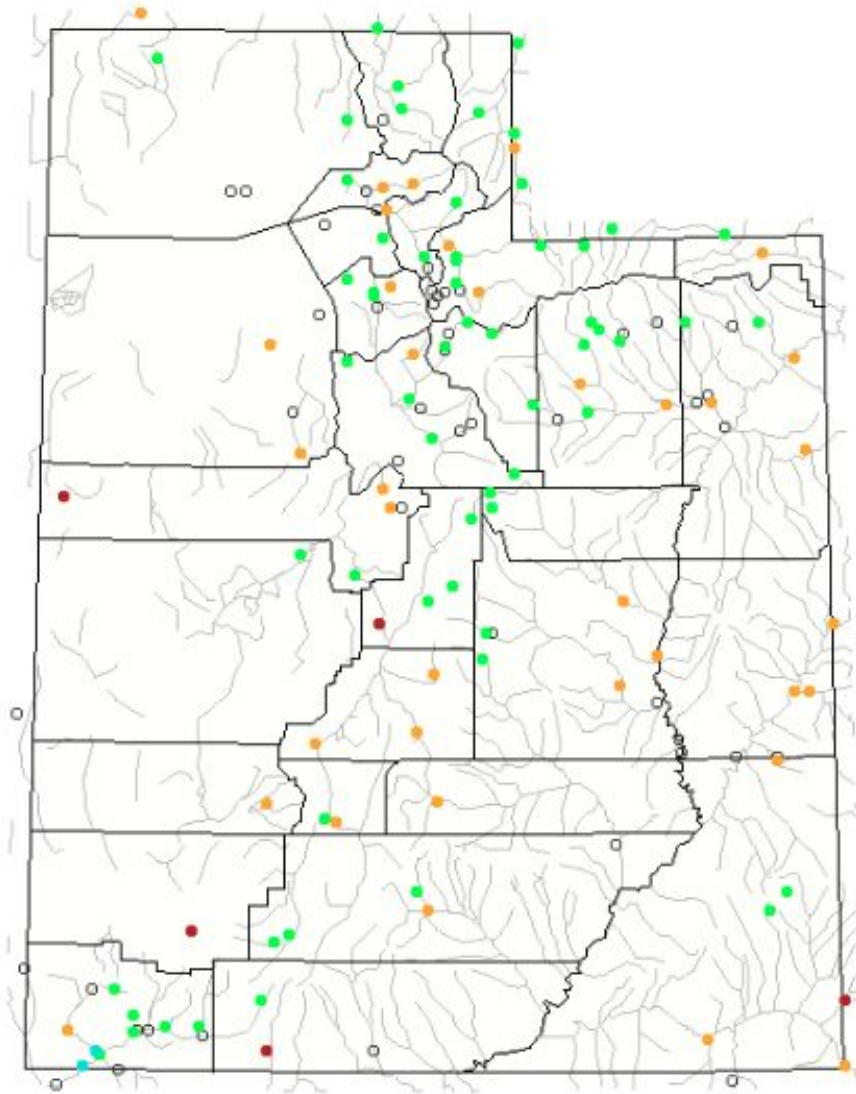


Working to give our hydrographs a more contemporary, interactive look

Currently, we're in the process of planning a thorough recalibration and update of our model:

- Update with 1991-2020 climate averages
- New forecast points - let us know if there's a point you would like to see!

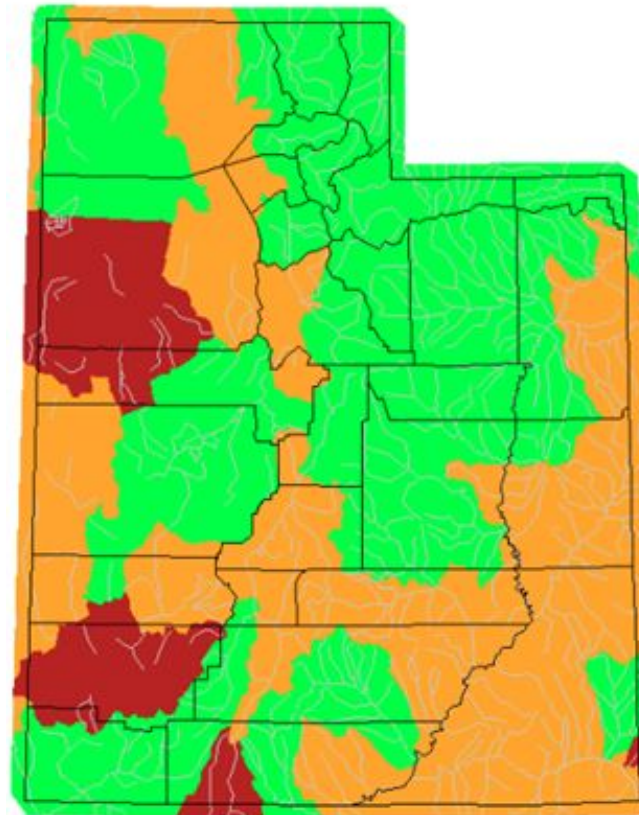
Monday, June 29, 2020



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		

Monday, June 29, 2020



Explanation - Percentile classes

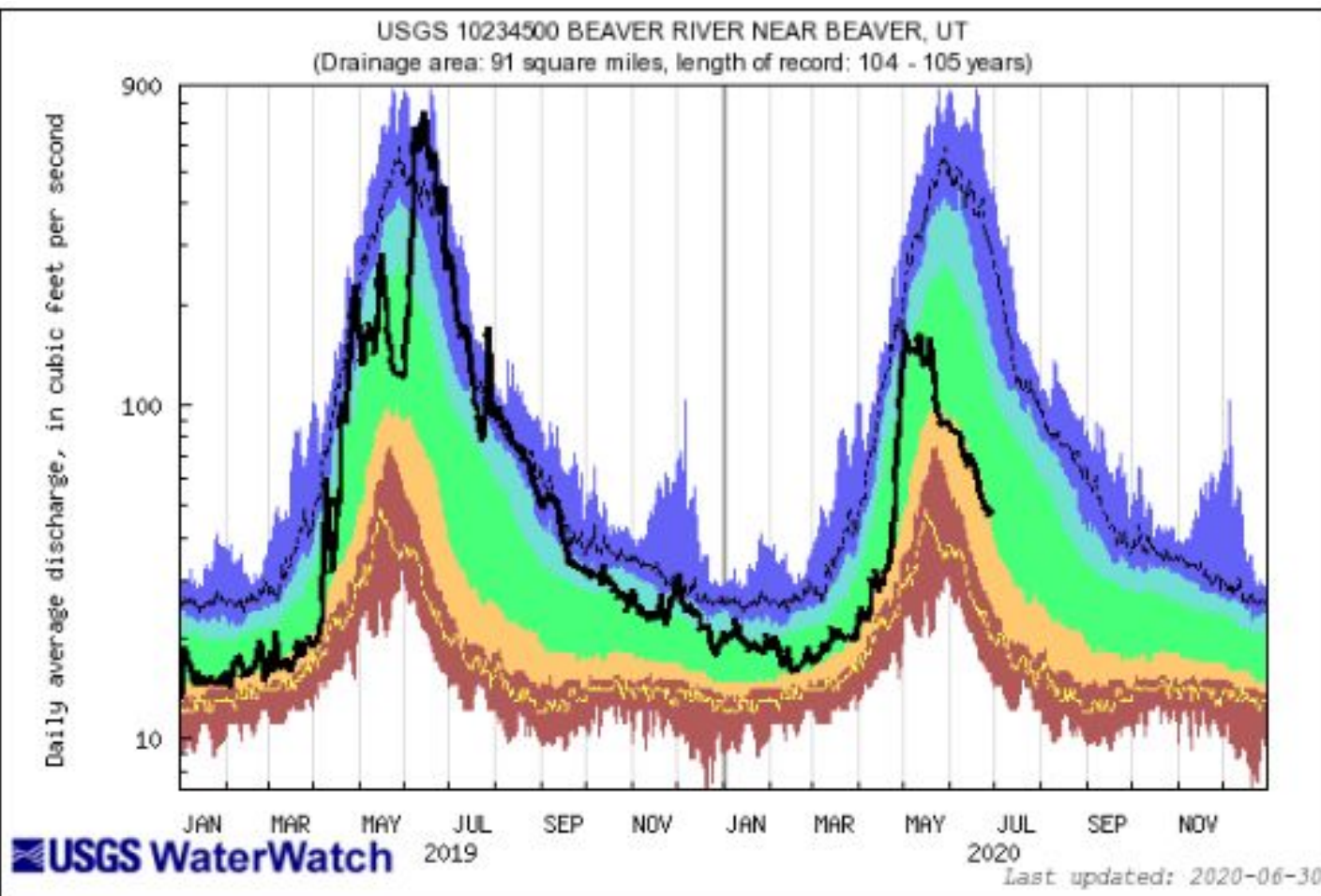
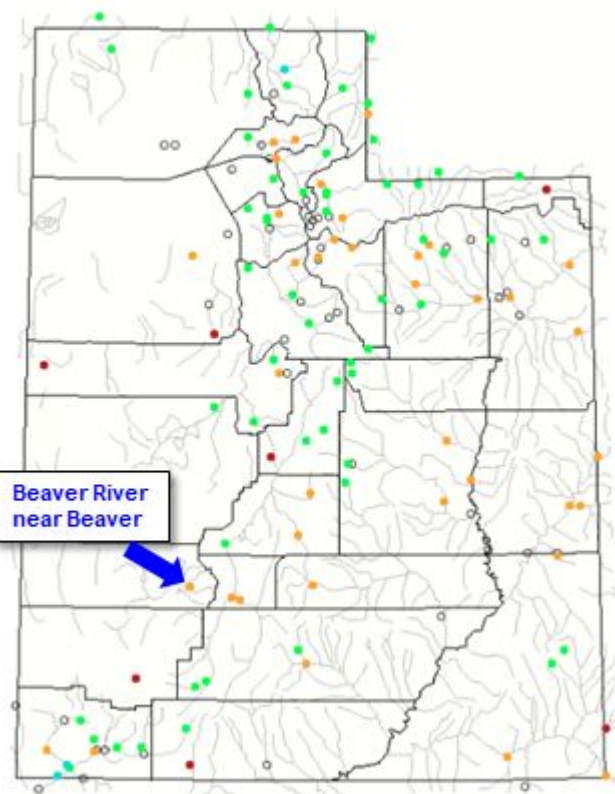
Low	<10	10-24	25-75	76-90	>90	High	No Data
	Much below normal	Below normal	Normal	Above normal	Much above normal		

- ☐ 14 - day average streamflow
- ☐ 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)

<https://waterwatch.usgs.gov/>

Presenter: Ryan Rowland,
USGS Utah Water Science
Center

Monday, June 29, 2020

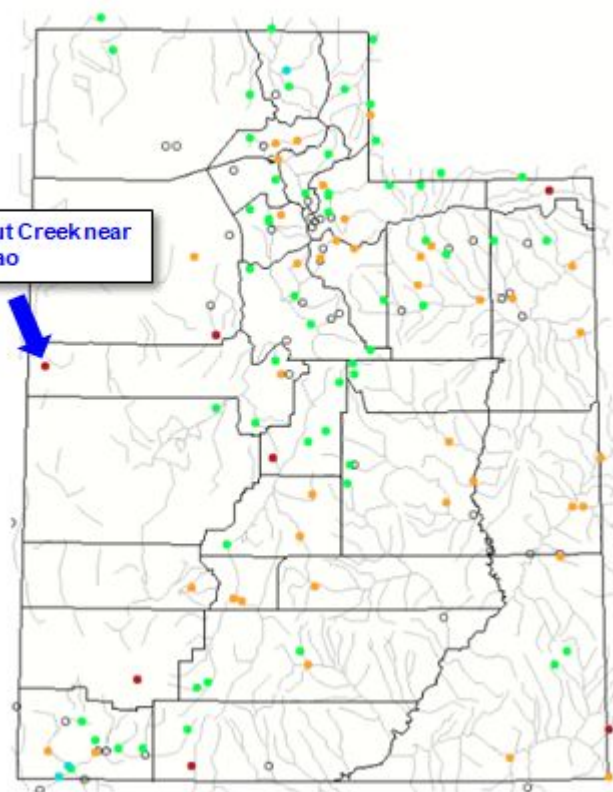


Explanation - Percentile classes						Flow
lowest-10th percentile	5	10-24	25-75	76-90	95 90th percentile - highest	
Much below Normal	Below normal	Normal	Above normal	Much above normal		

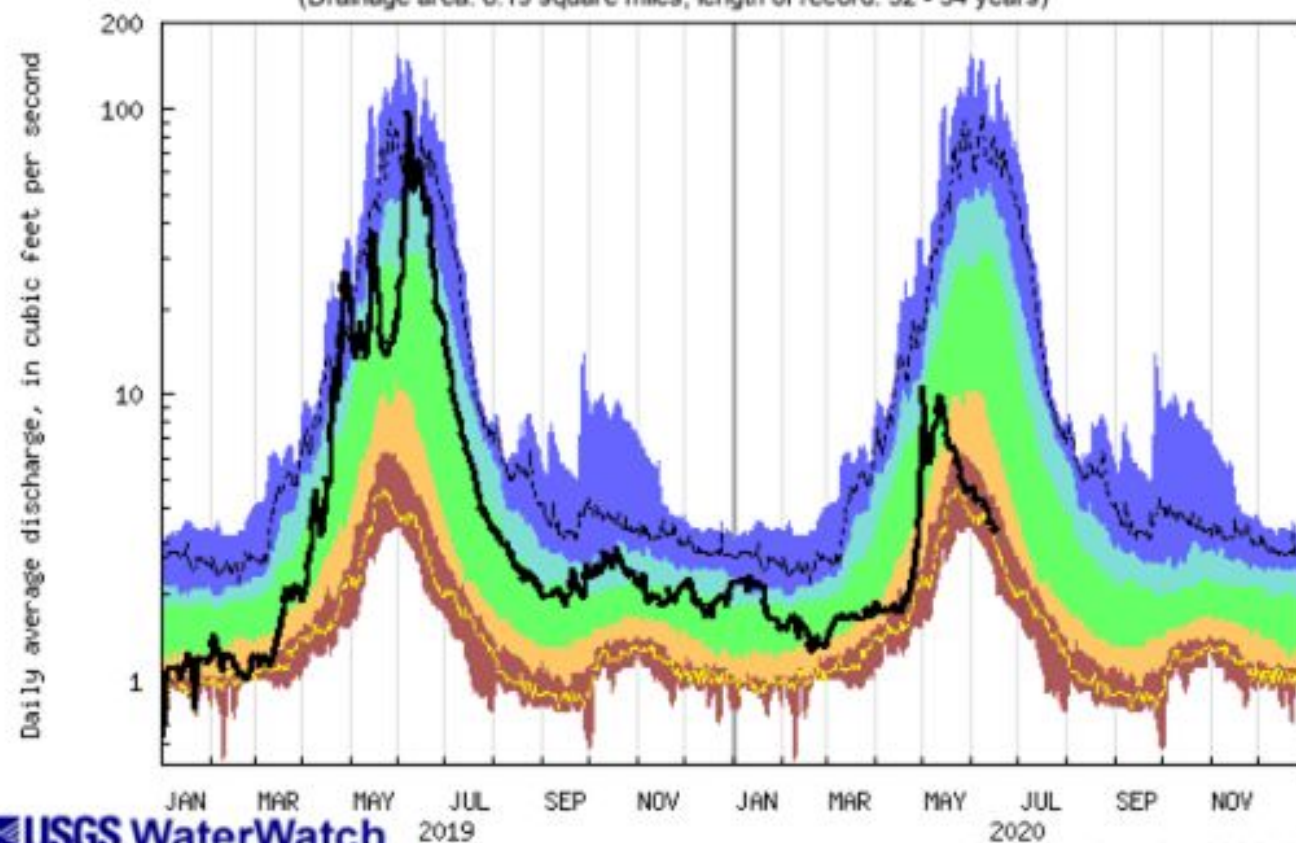
Presenter: Ryan Rowland,
USGS Utah Water Science
Center

Monday, June 29, 2020

Trout Creek near
Callao



USGS 10172870 TROUT CREEK NEAR CALLAO, UT
(Drainage area: 8.19 square miles, length of record: 52 - 54 years)



USGS WaterWatch

2019

2020

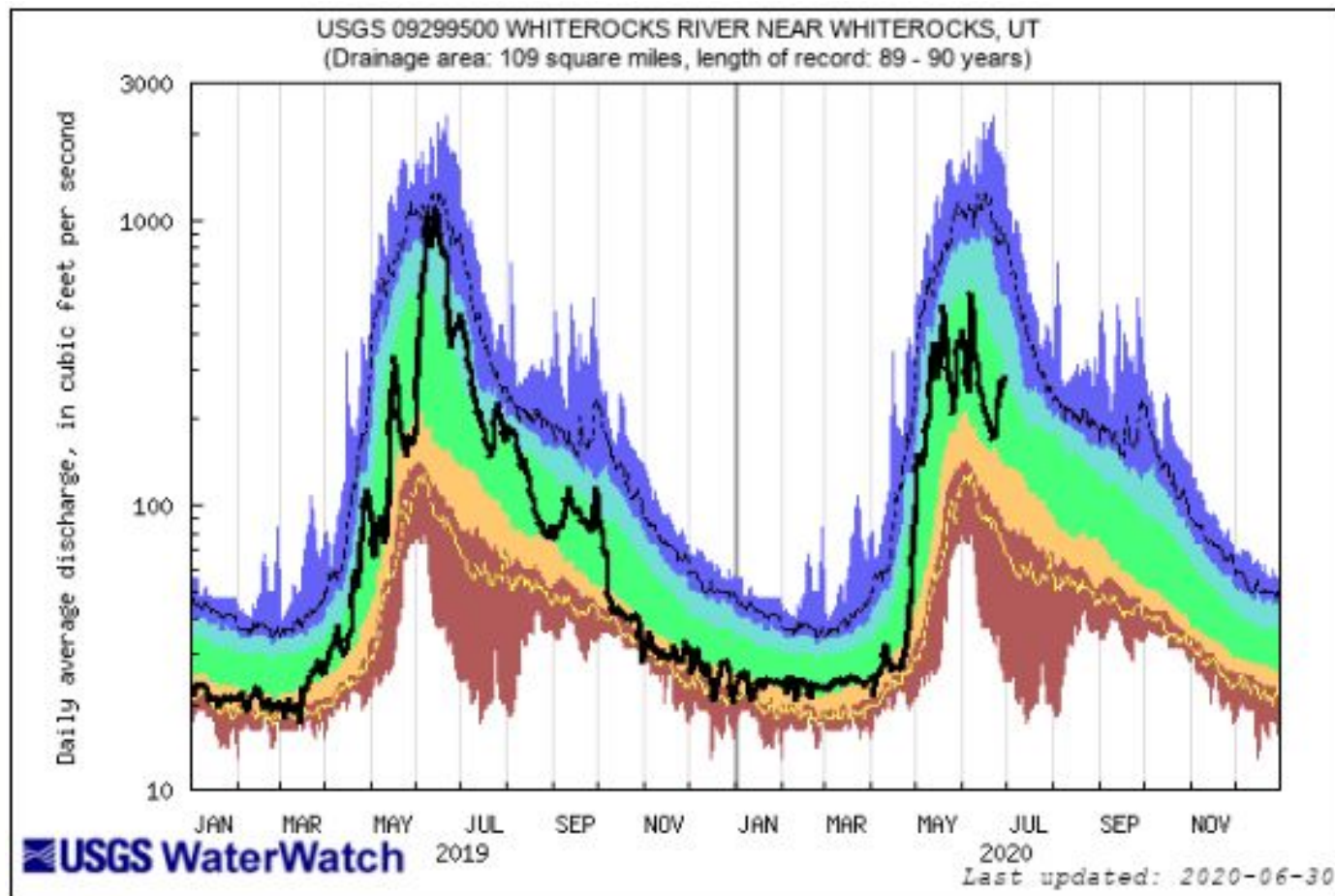
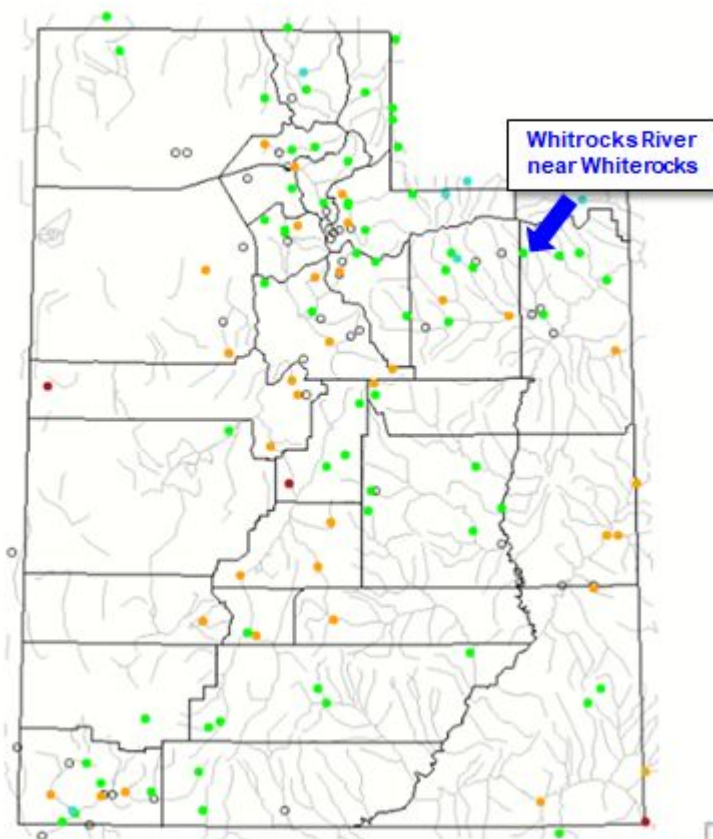
Last updated: 2020-06-18

Explanation - Percentile classes

lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Flow
Much below Normal	Below normal	Normal	Above normal	Much above normal			

Presenter: Ryan Rowland,
USGS Utah Water Science
Center

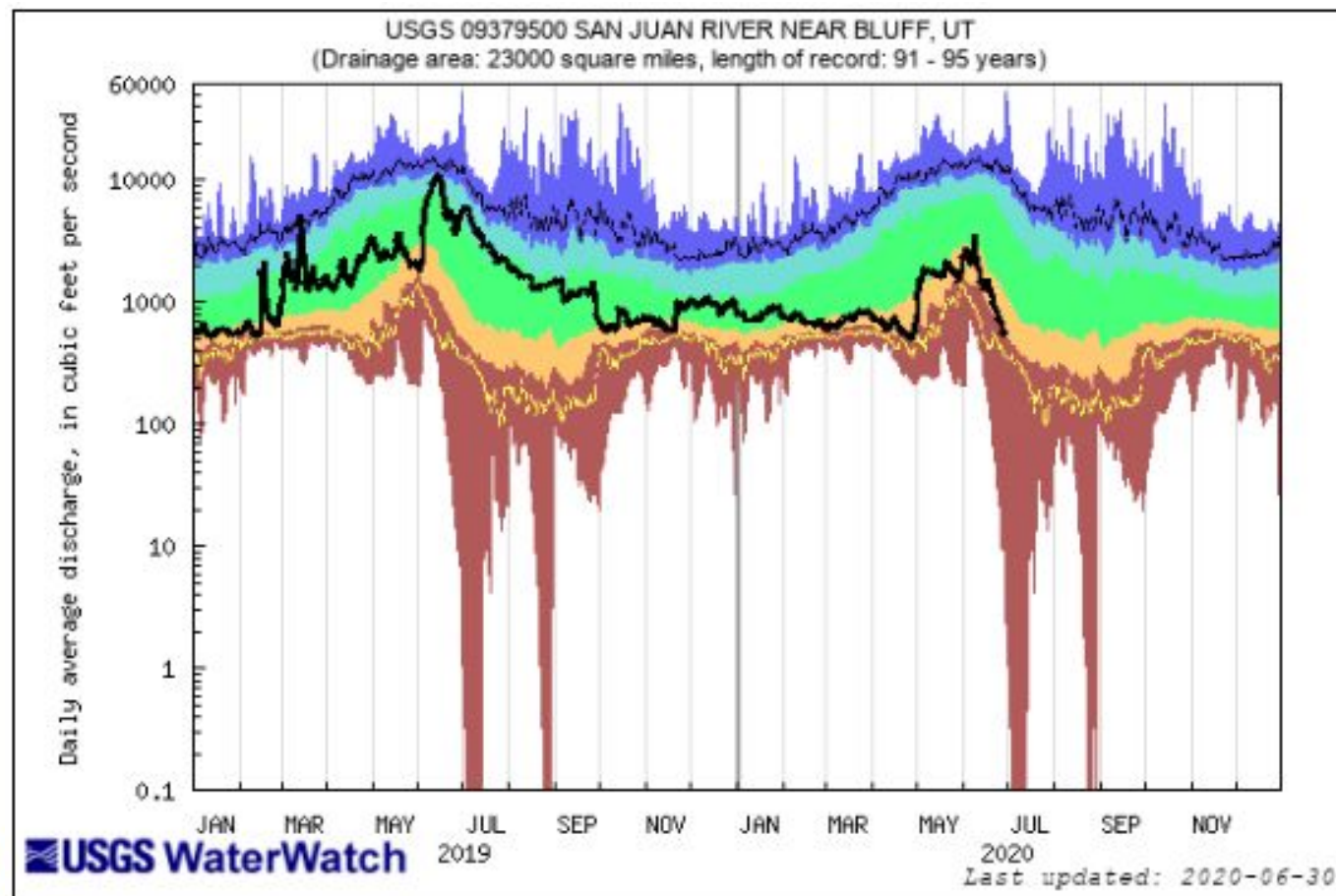
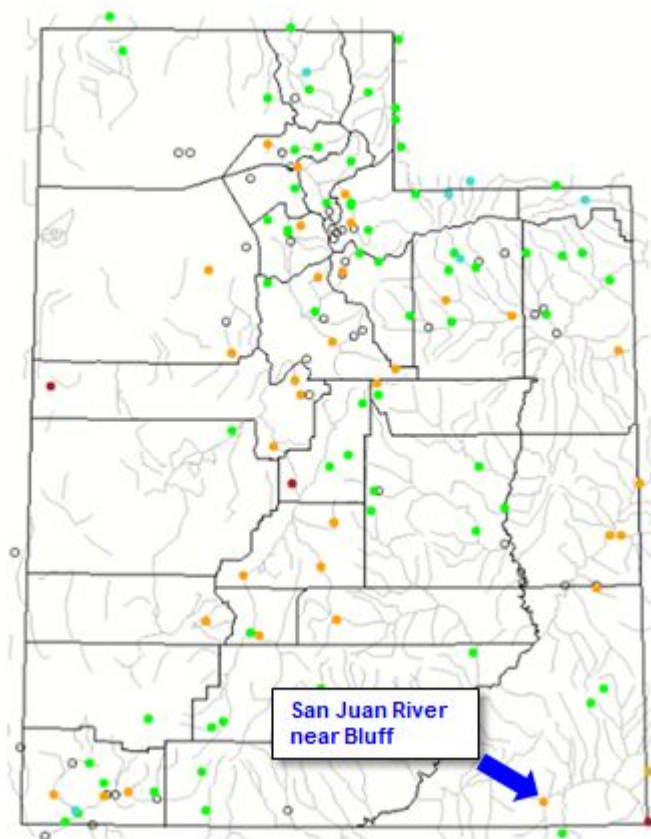
Wednesday, June 17, 2020



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

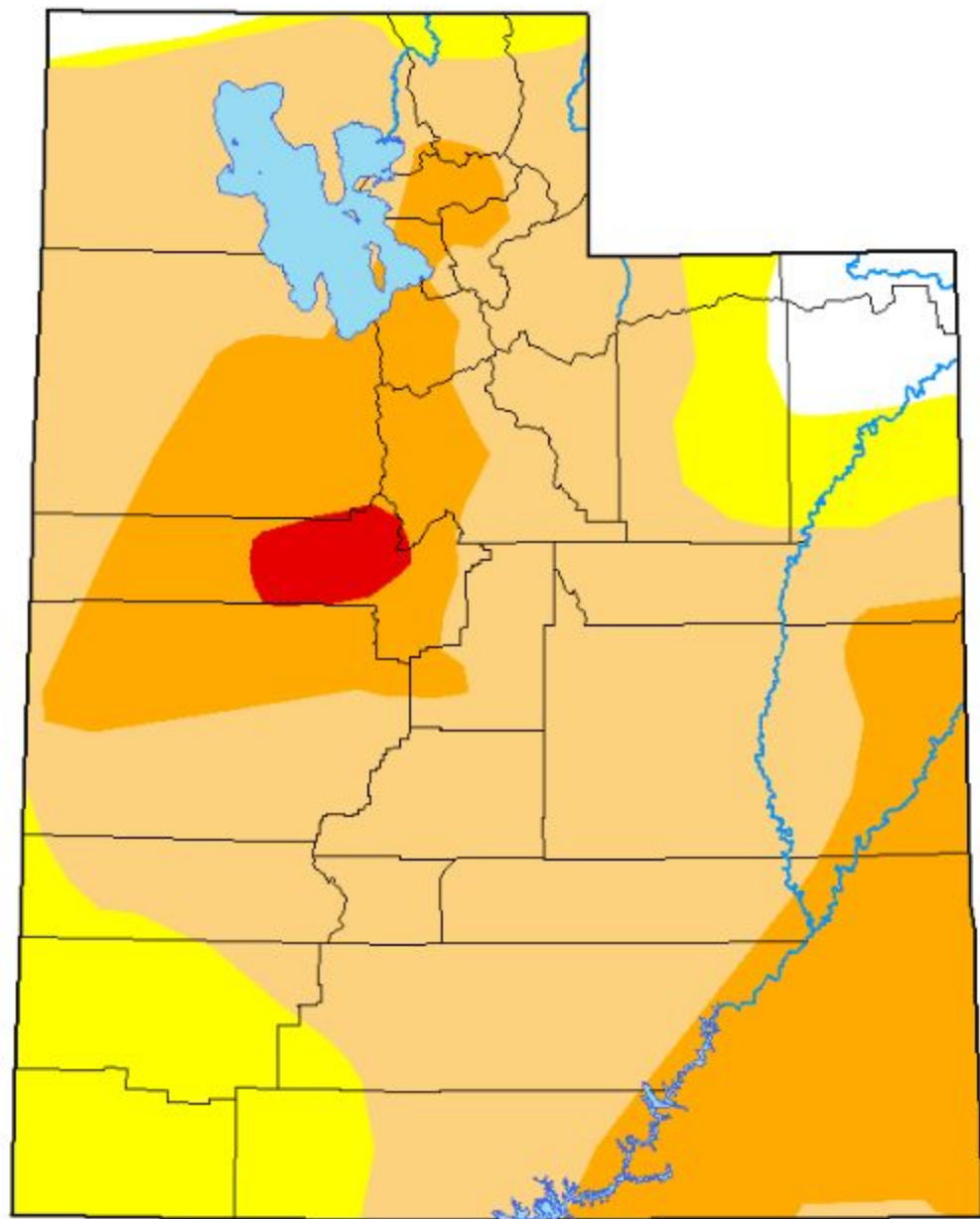
Presenter: Ryan Rowland,
USGS Utah Water Science
Center

Wednesday, June 17, 2020

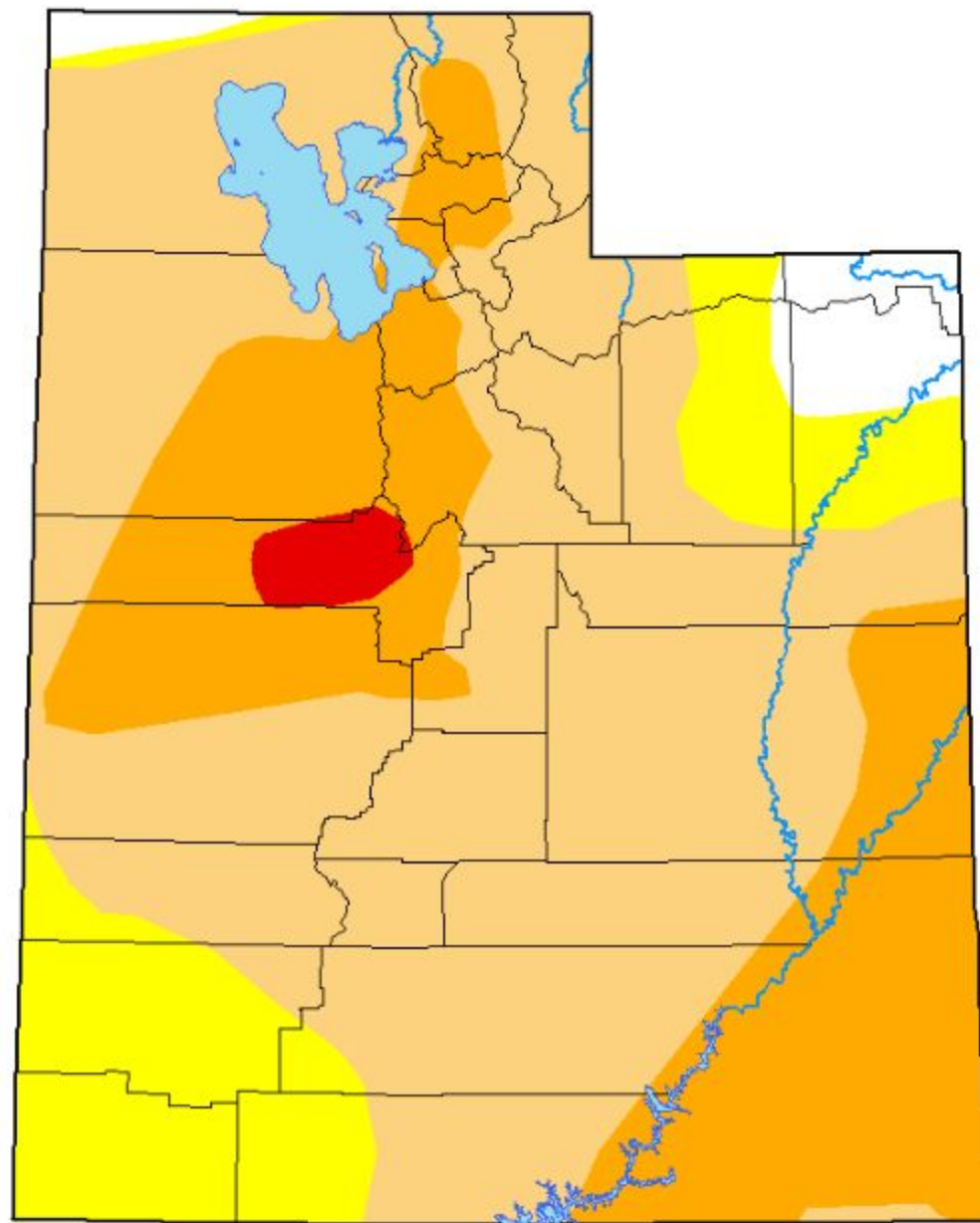


Explanation - Percentile classes							
lowest-10th percentile	5	10-24	25-75	76-90	95	90th percentile-highest	Flow
Much below Normal	Below normal	Normal	Above normal	Much above normal			

Presenter: Ryan Rowland,
USGS Utah Water Science
Center



◀ June 23, 2020 ▼ ▶



◀ June 16, 2020 ▼ ▶