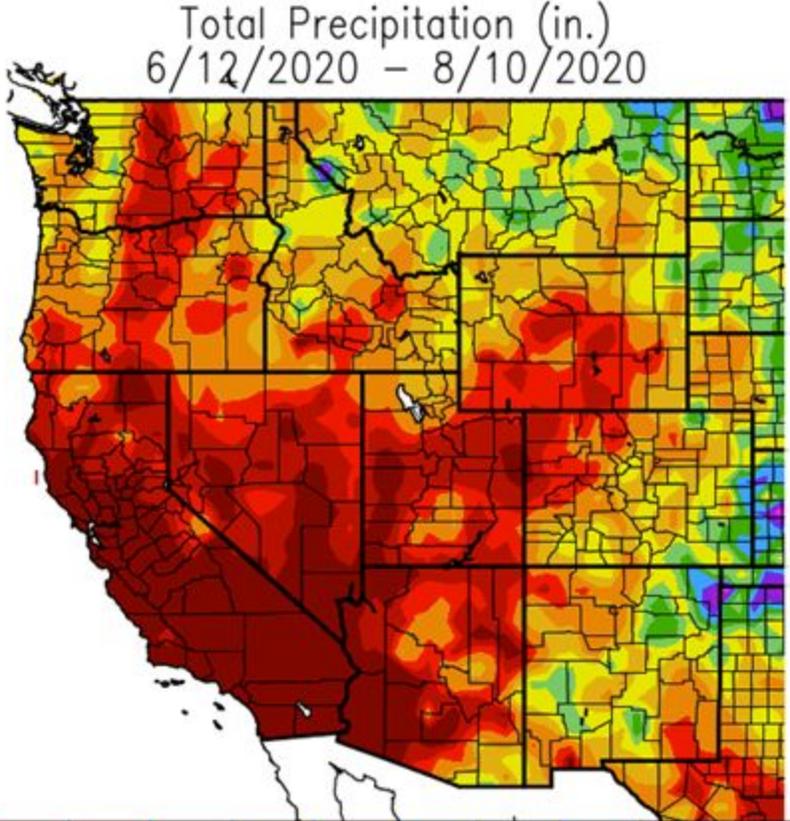




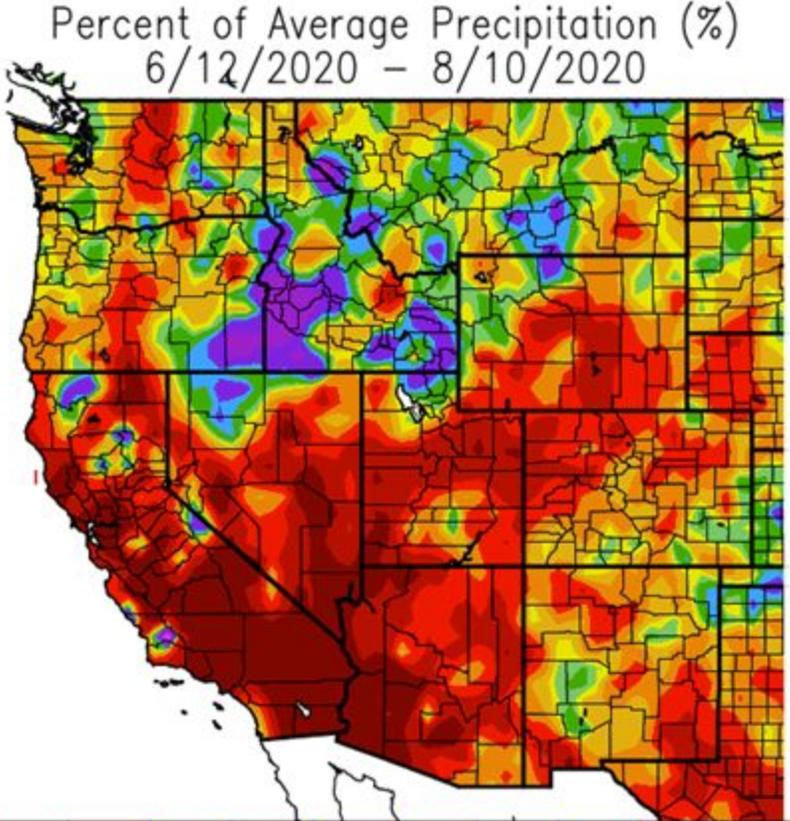
Utah Drought Monitor Feedback Webinar

August 11, 2020

Precipitation 60 day history (Percent of Average)



Generated 8/11/2020 at WRCC using provisional data.
NOAA Regional Climate Centers

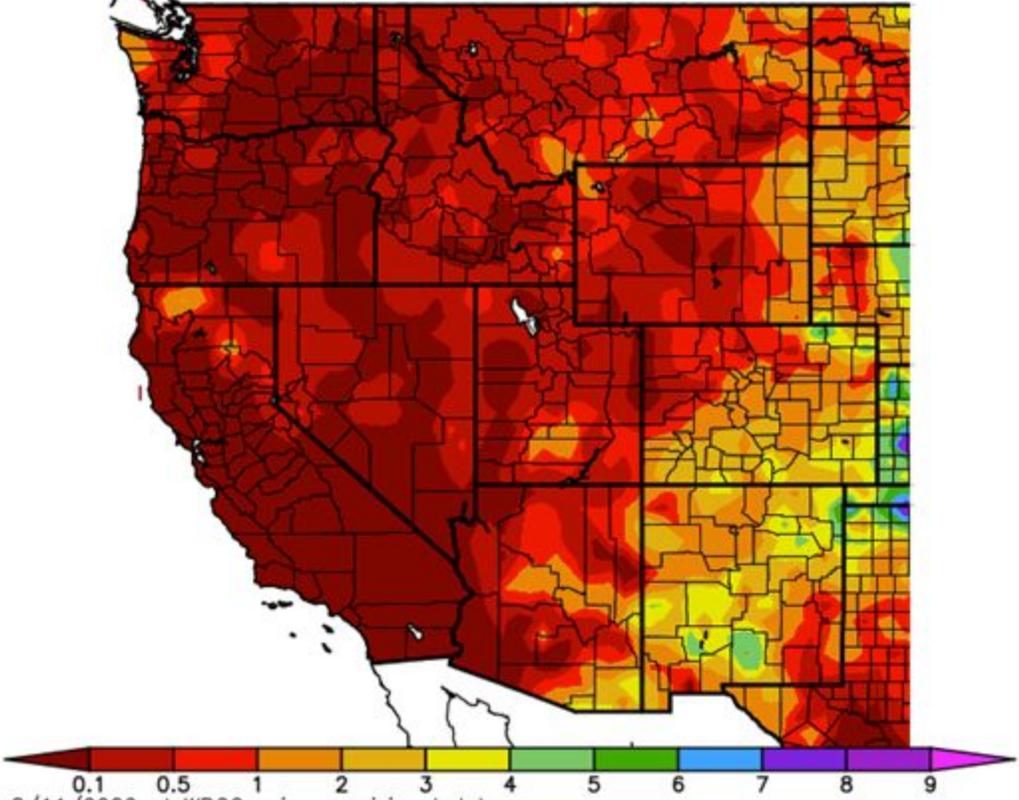


Generated 8/11/2020 at WRCC using provisional data.
IOAA Regional Climate Centers

Agency - Jon Meyer
Presenter - Utah Climate Center

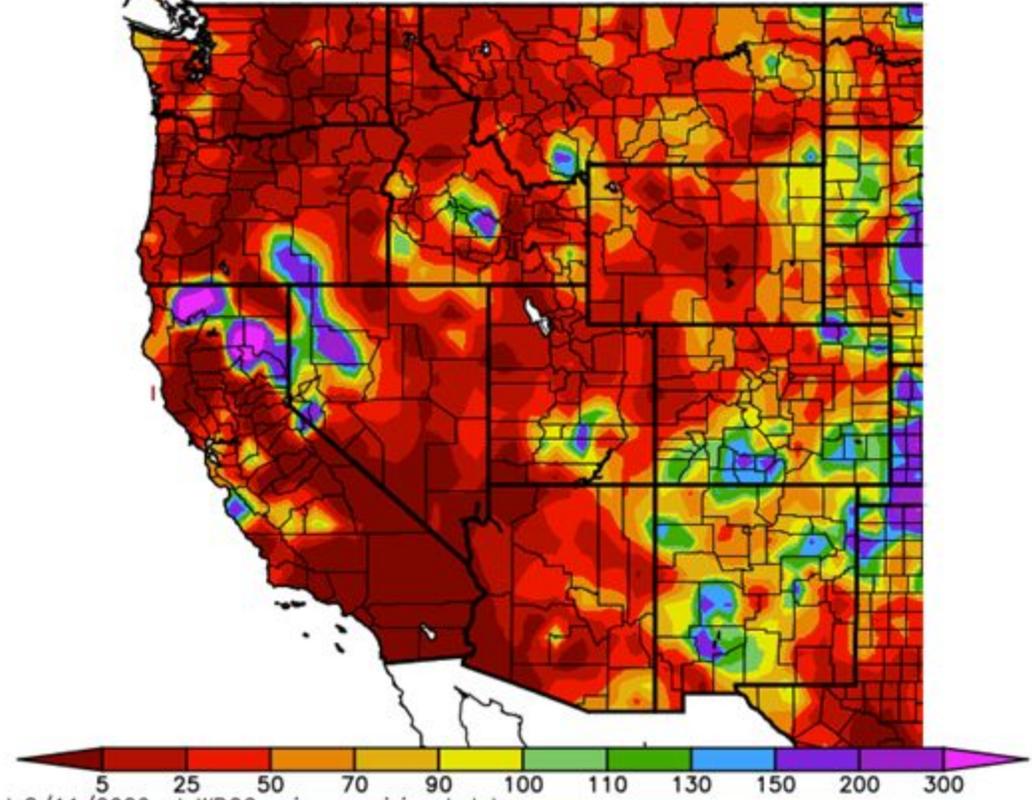
Precipitation 30 day history (Percent of Average)

Total Precipitation (in.)
7/12/2020 - 8/10/2020



Generated 8/11/2020 at WRCC using provisional data.
NOAA Regional Climate Centers

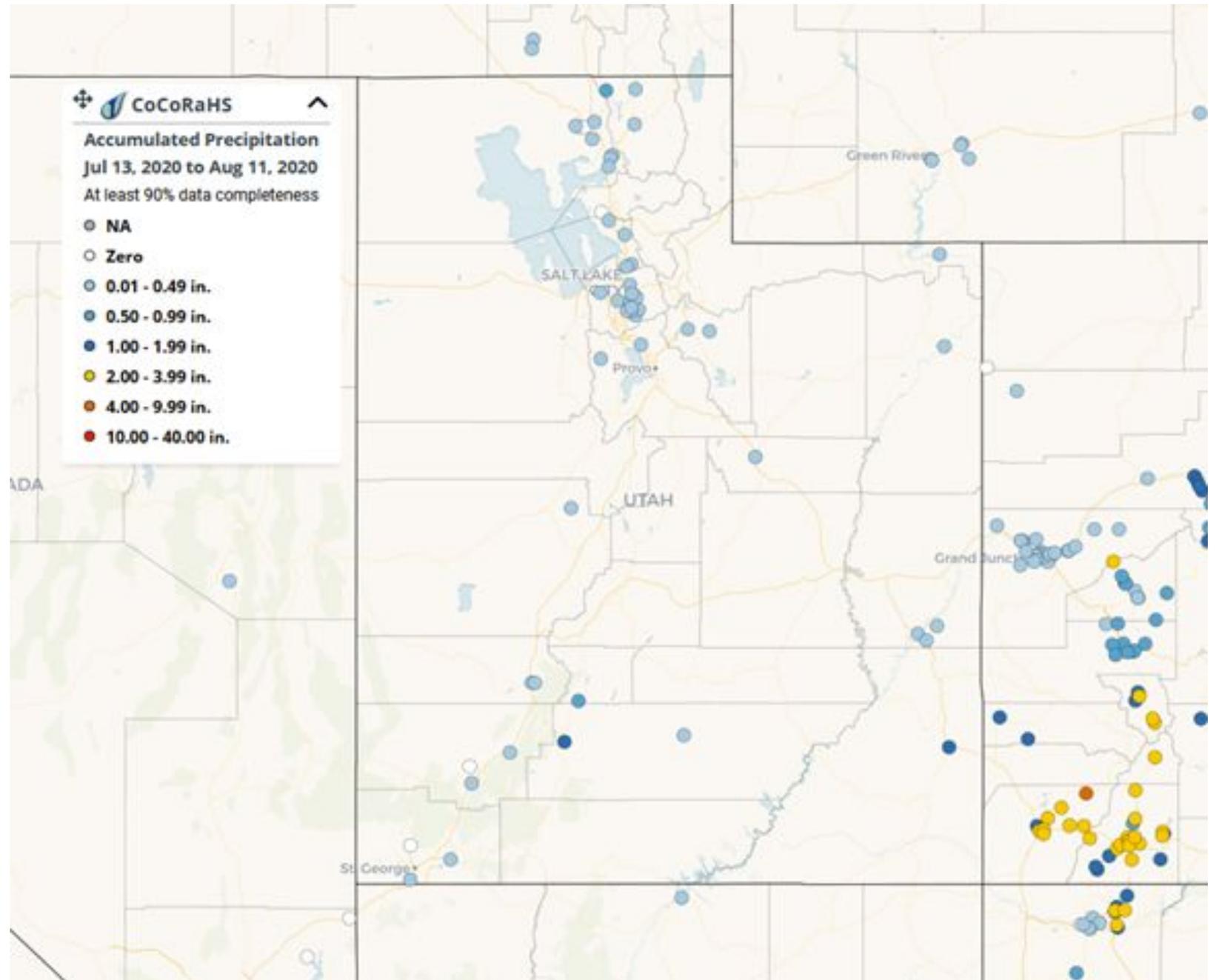
Percent of Average Precipitation (%)
7/12/2020 - 8/10/2020



Generated 8/11/2020 at WRCC using provisional data.
NOAA Regional Climate Centers

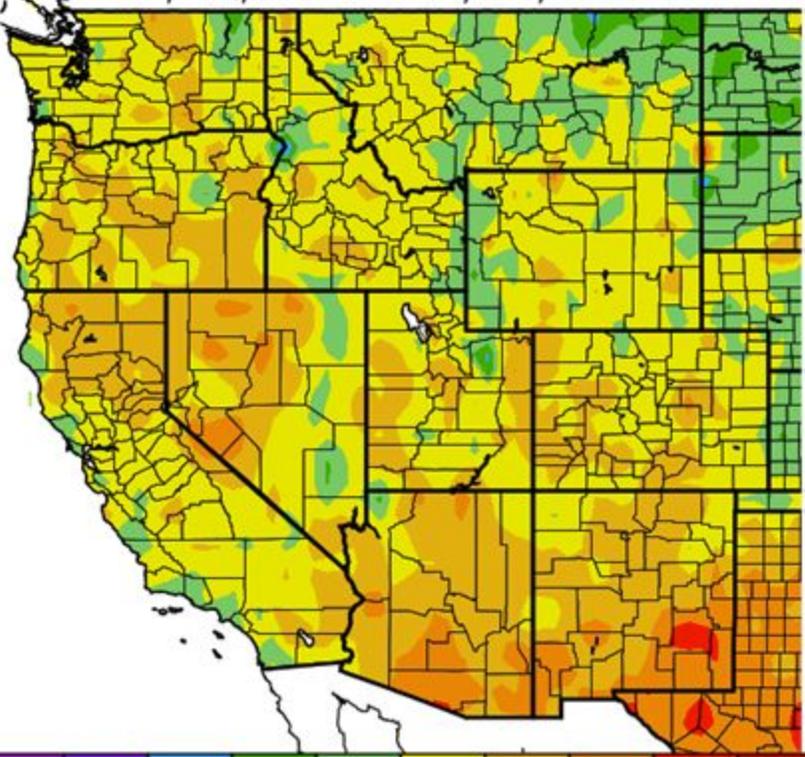
Agency - Jon Meyer
Presenter - Utah Climate Center

CoCoRaHS 30 day history



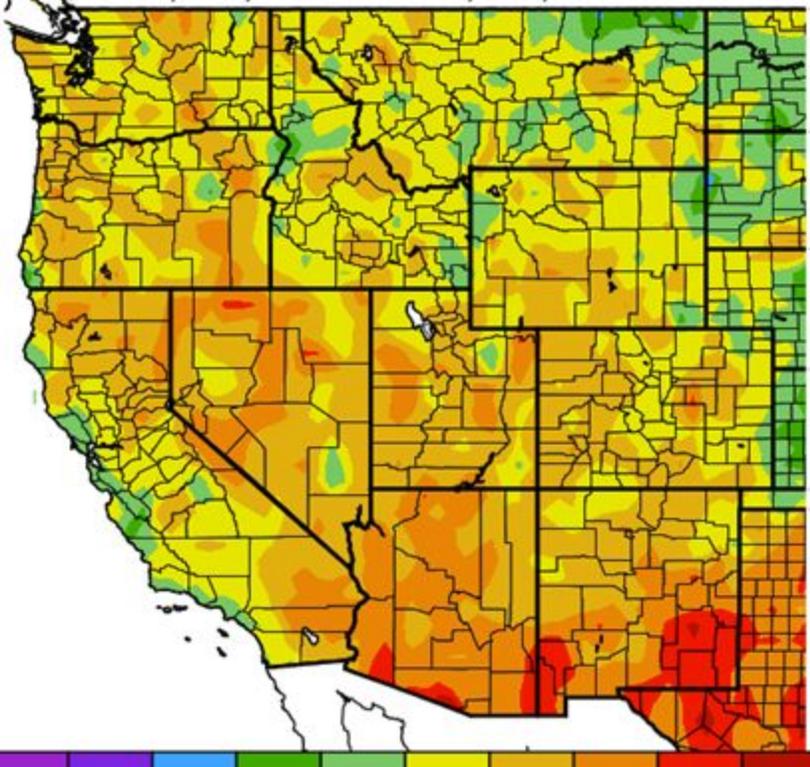
Temperature 30 day (Related to Average)

Ave. Temperature dep from Ave (deg F)
7/12/2020 - 8/10/2020



Generated 8/11/2020 at WRCC using provisional data.
NOAA Regional Climate Centers

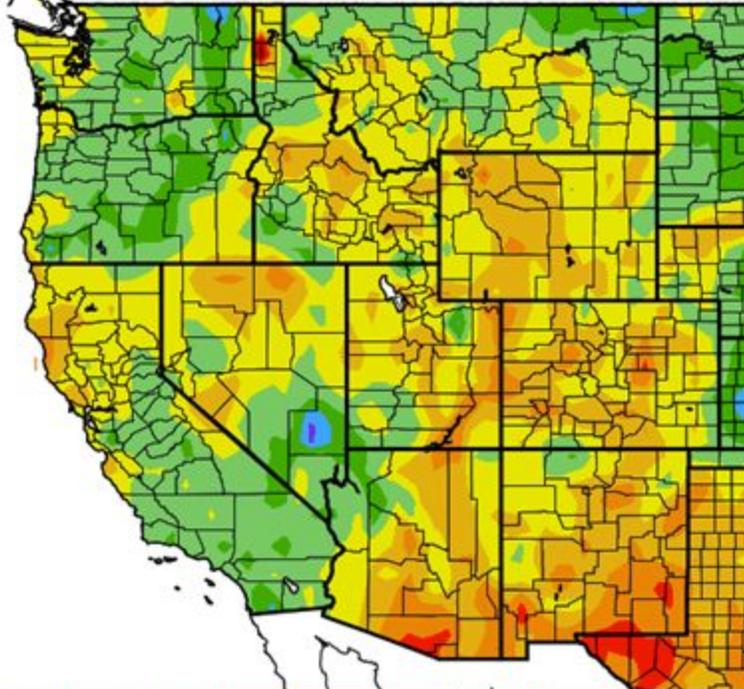
Av. Max. Temperature dep from Ave (deg F)
7/12/2020 - 8/10/2020



Generated 8/11/2020 at WRCC using provisional data.
NOAA Regional Climate Centers

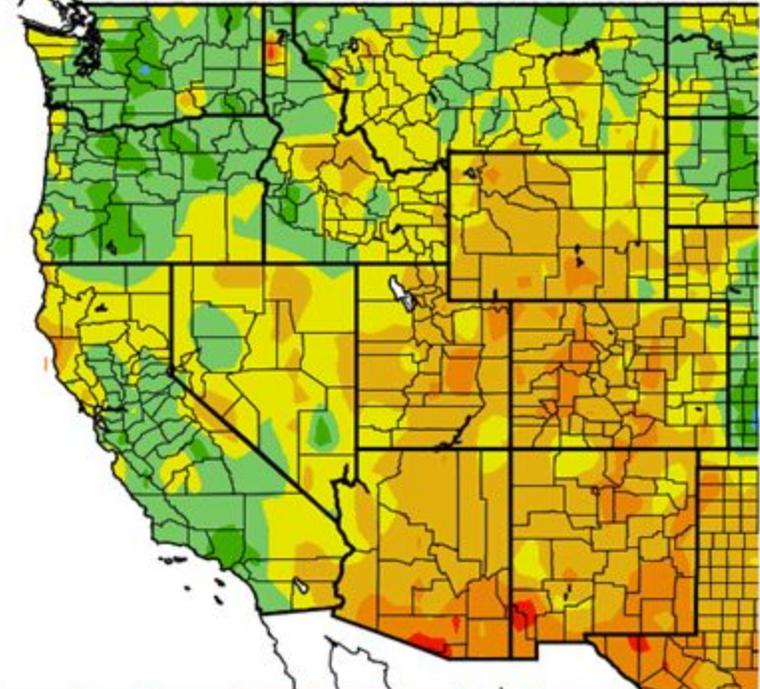
Temperature 7 day (Related to Average)

Ave. Temperature dep from Ave (deg F)
8/4/2020 - 8/10/2020



Generated 8/11/2020 at WRCC using provisional data.
NOAA Regional Climate Centers

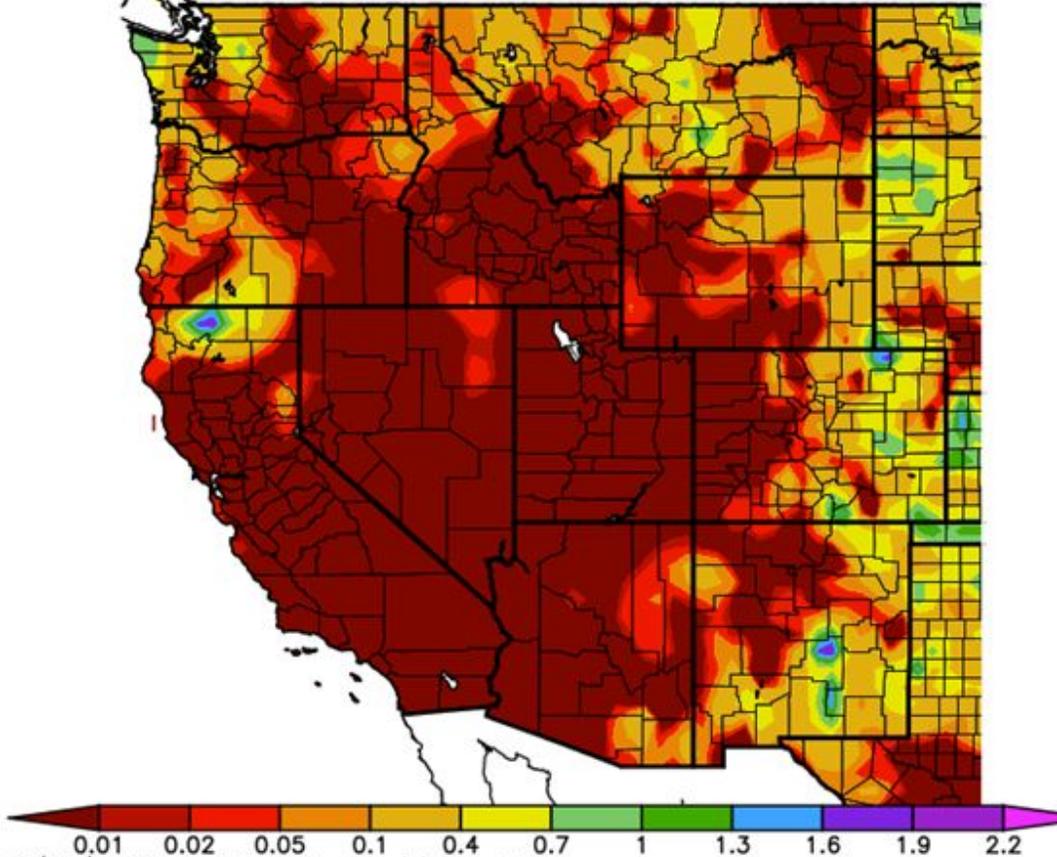
Av. Max. Temperature dep from Ave (deg F)
8/4/2020 - 8/10/2020



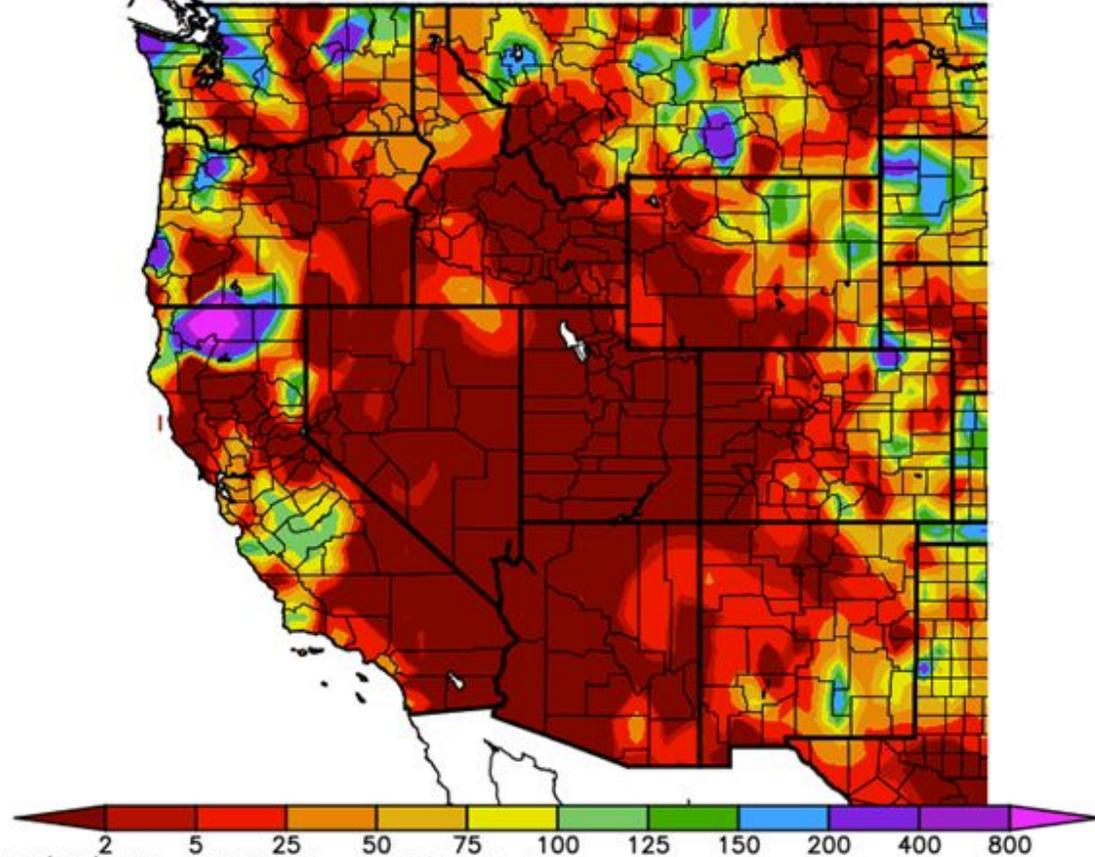
Generated 8/11/2020 at WRCC using provisional data.
IAA Regional Climate Centers

Precipitation 7 day history (Percent of Average)

Total Precipitation (in.)
8/4/2020 - 8/10/2020



Percent of Average Precipitation (%)
8/4/2020 - 8/10/2020



Generated 8/11/2020 at WRCC using provisional data.
NOAA Regional Climate Centers

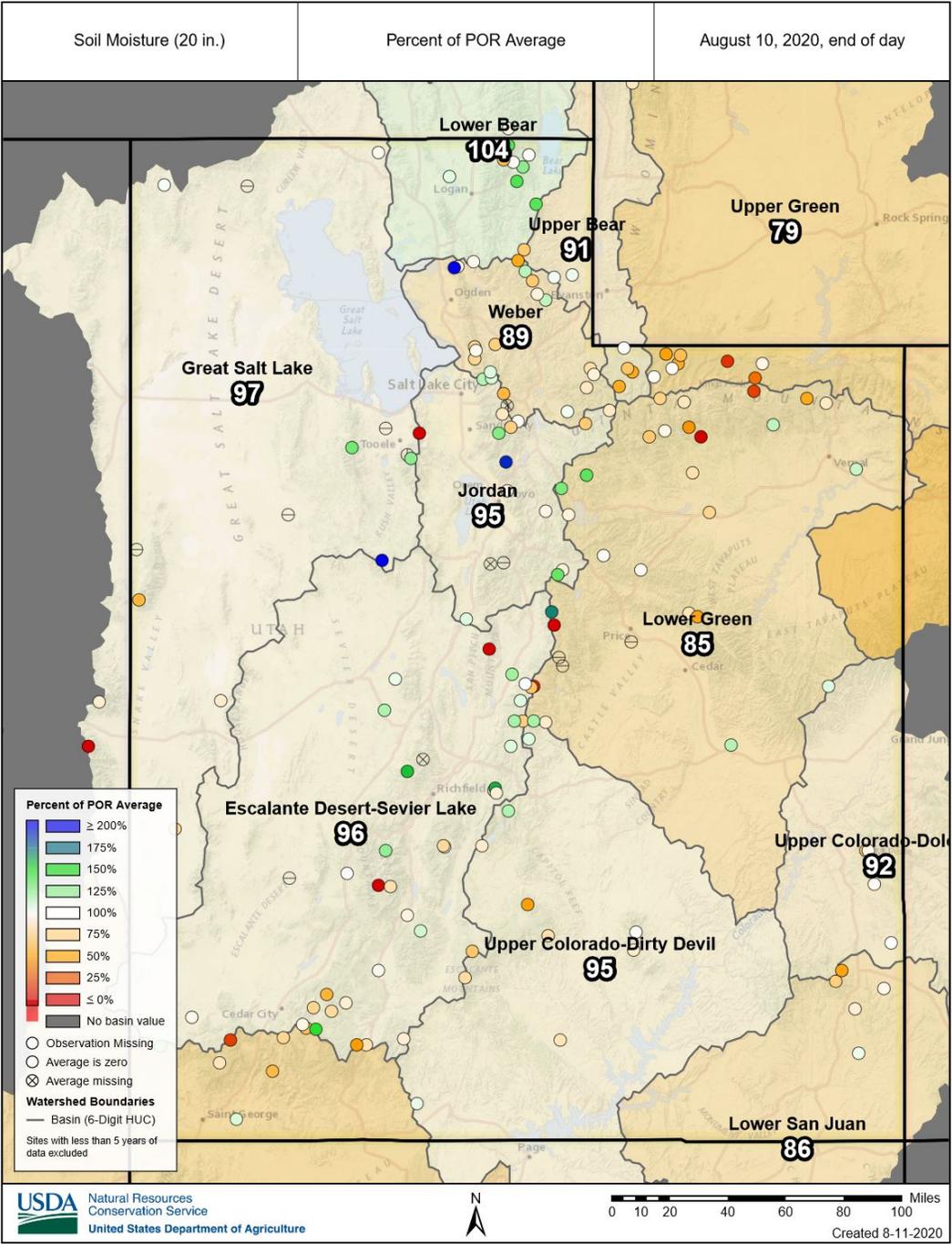
Generated 8/11/2020 at WRCC using provisional data.
NOAA Regional Climate Centers

Agency - Jon Meyer
Presenter - Utah Climate Center

Soil Moisture (Current) Mountain locations (SNOTEL) & valley locations (SCAN) combined 20" depth

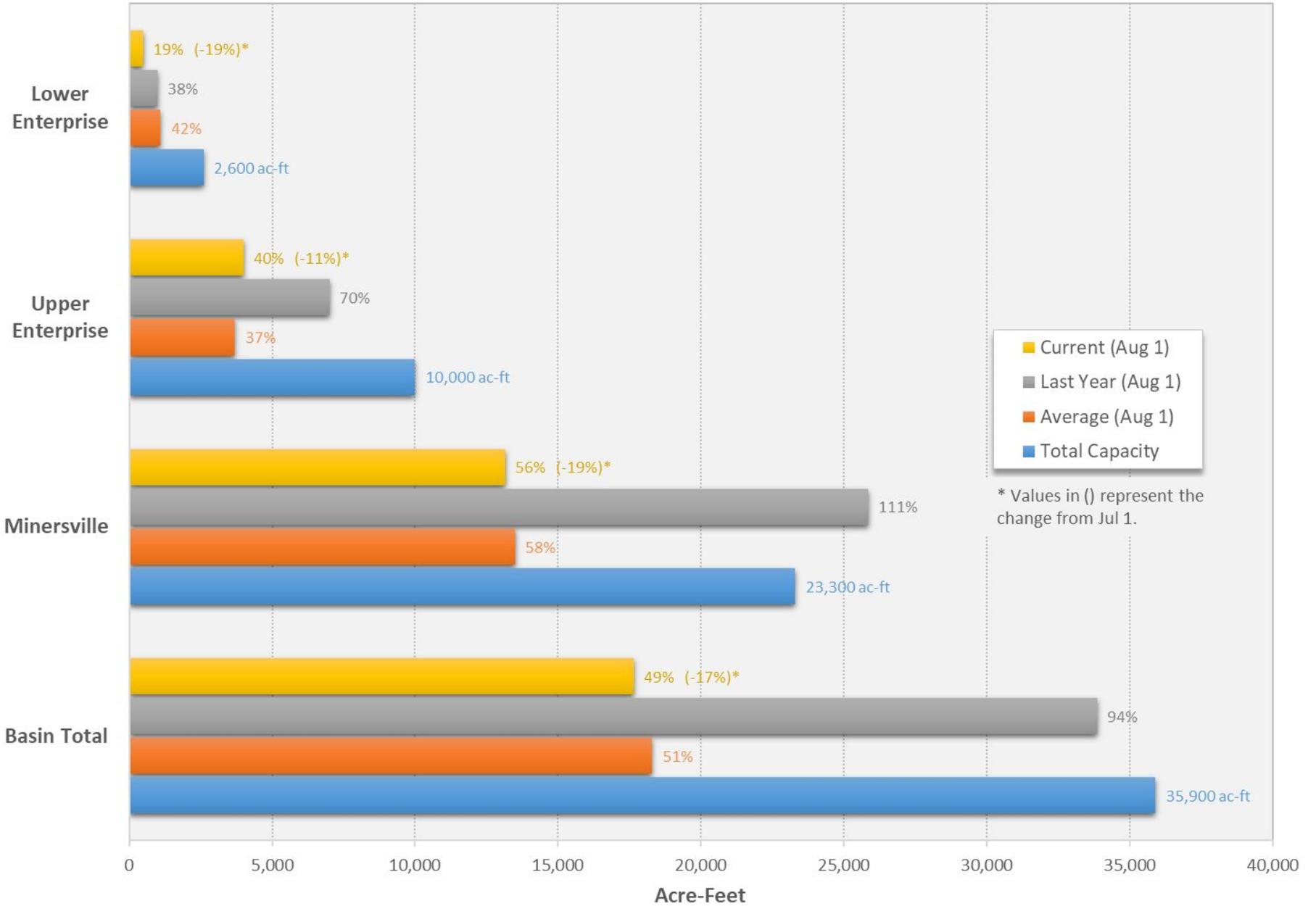
(data have not yet been QC'ed or reviewed)

Agency - NRCS Snow Survey
Presenter - Jordan Clayton





Cedar/Beaver Basin Reservoir Storage (Aug 1)

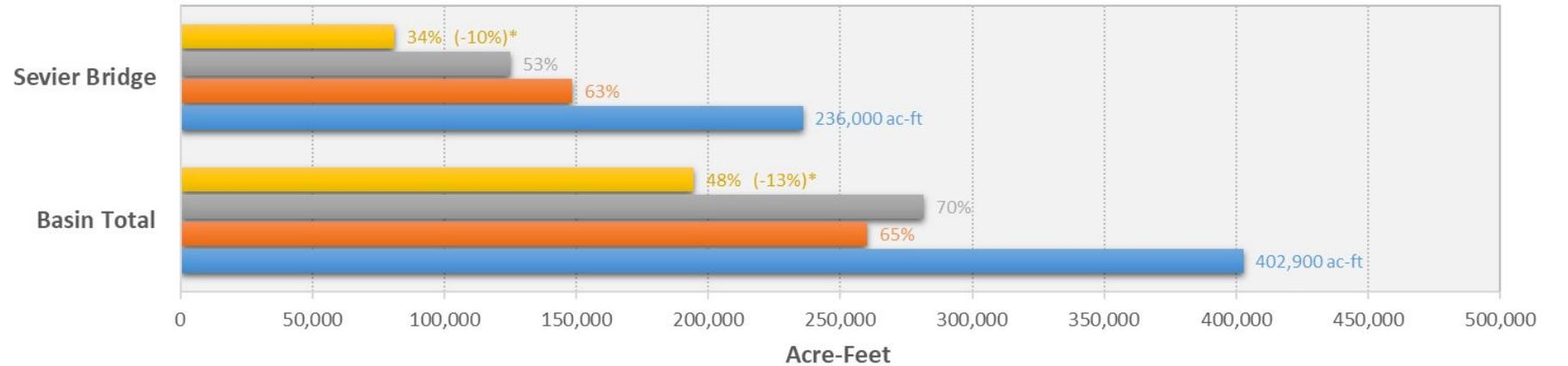
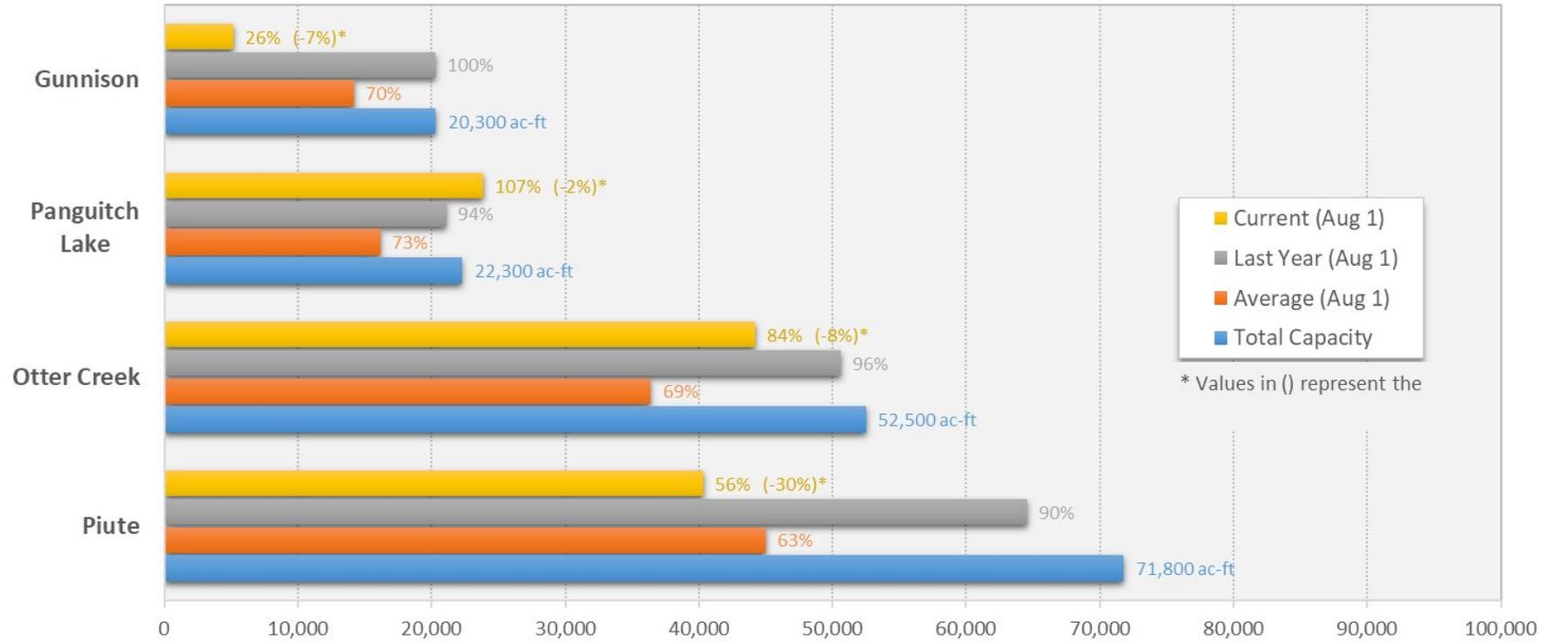


■ Current (Aug 1)
■ Last Year (Aug 1)
■ Average (Aug 1)
■ Total Capacity

* Values in () represent the change from Jul 1.



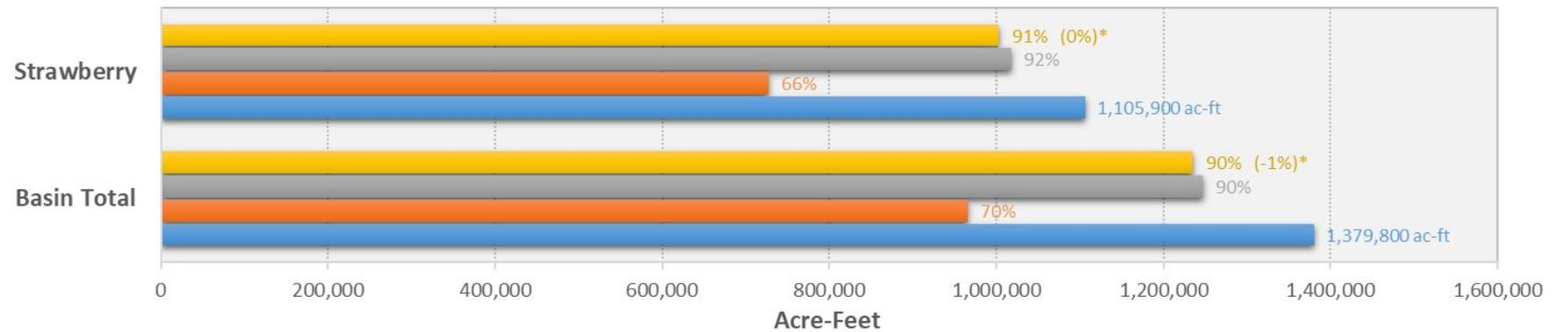
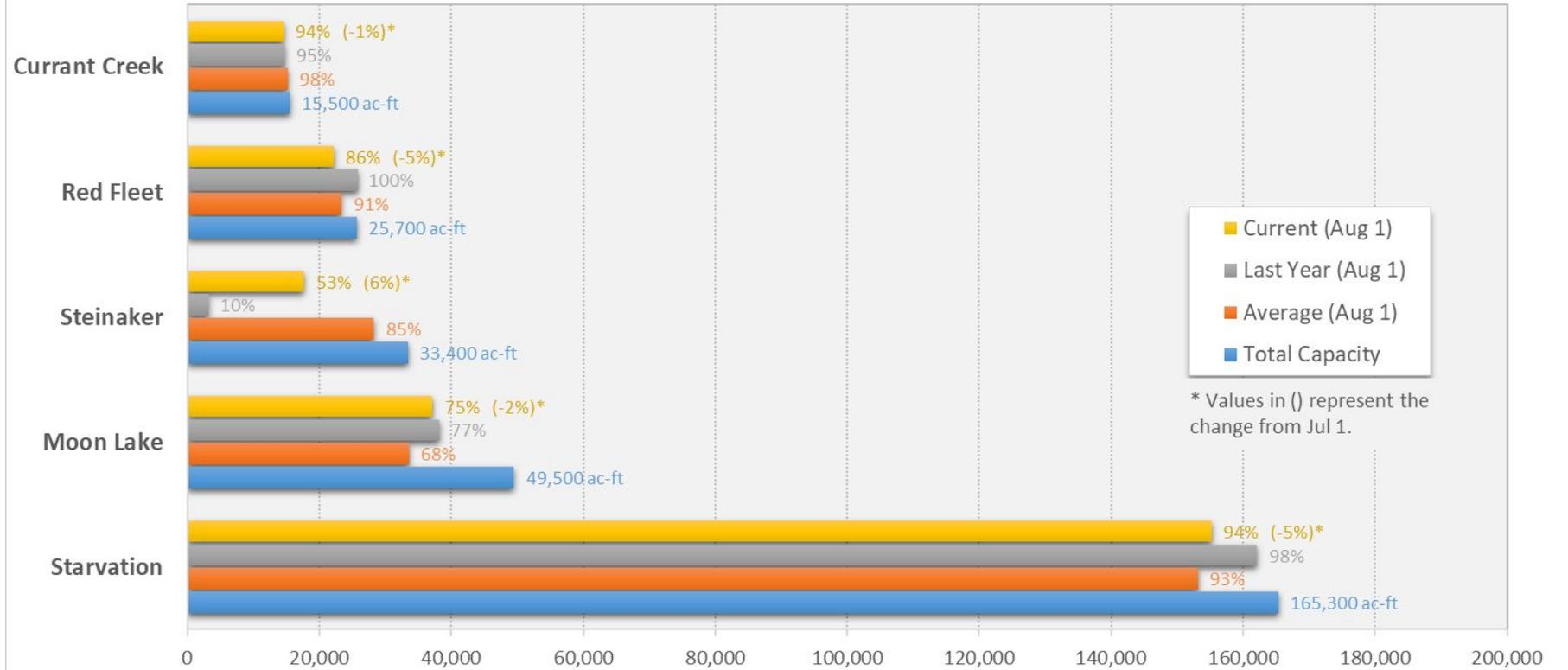
Sevier River Basin Reservoir Storage (Aug 1)

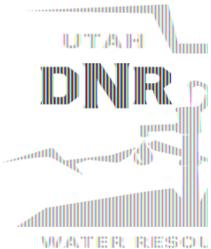


Agency - Division of Water Resources w/ NRCS data
 Presenter - Laura Haskell

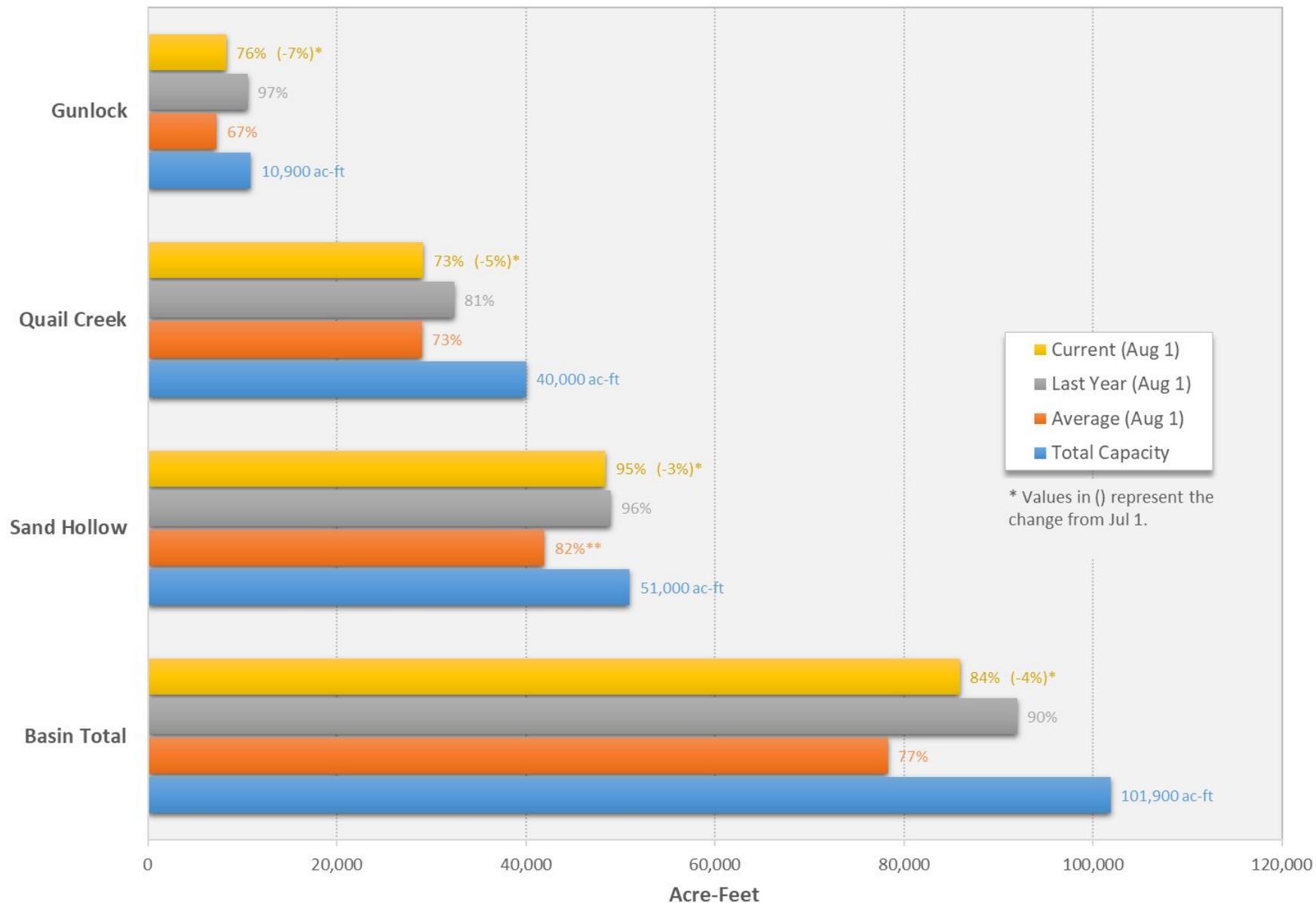


Uintah Basin Reservoir Storage (Aug 1)



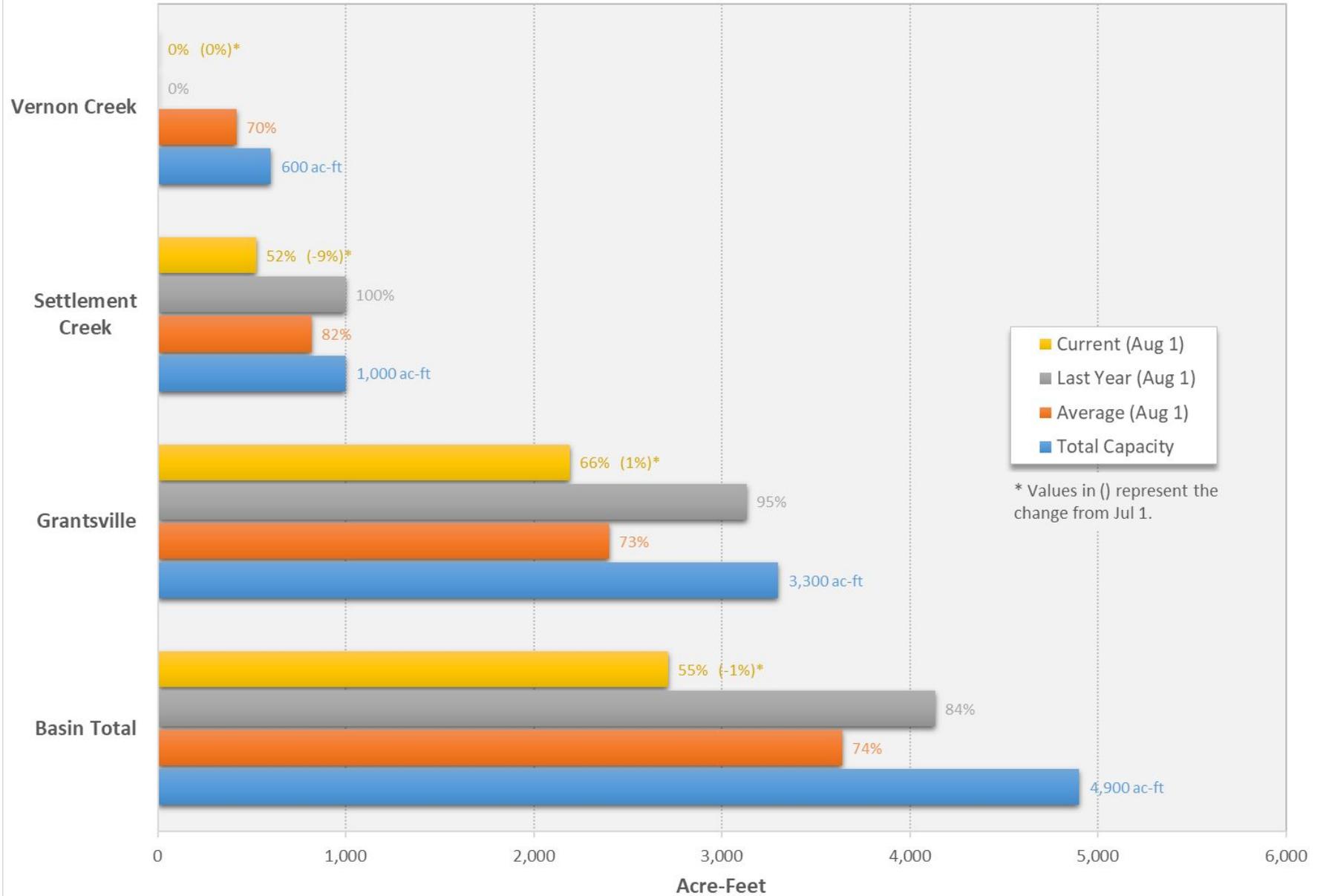


Virgin River Basin Reservoir Storage (Aug 1)



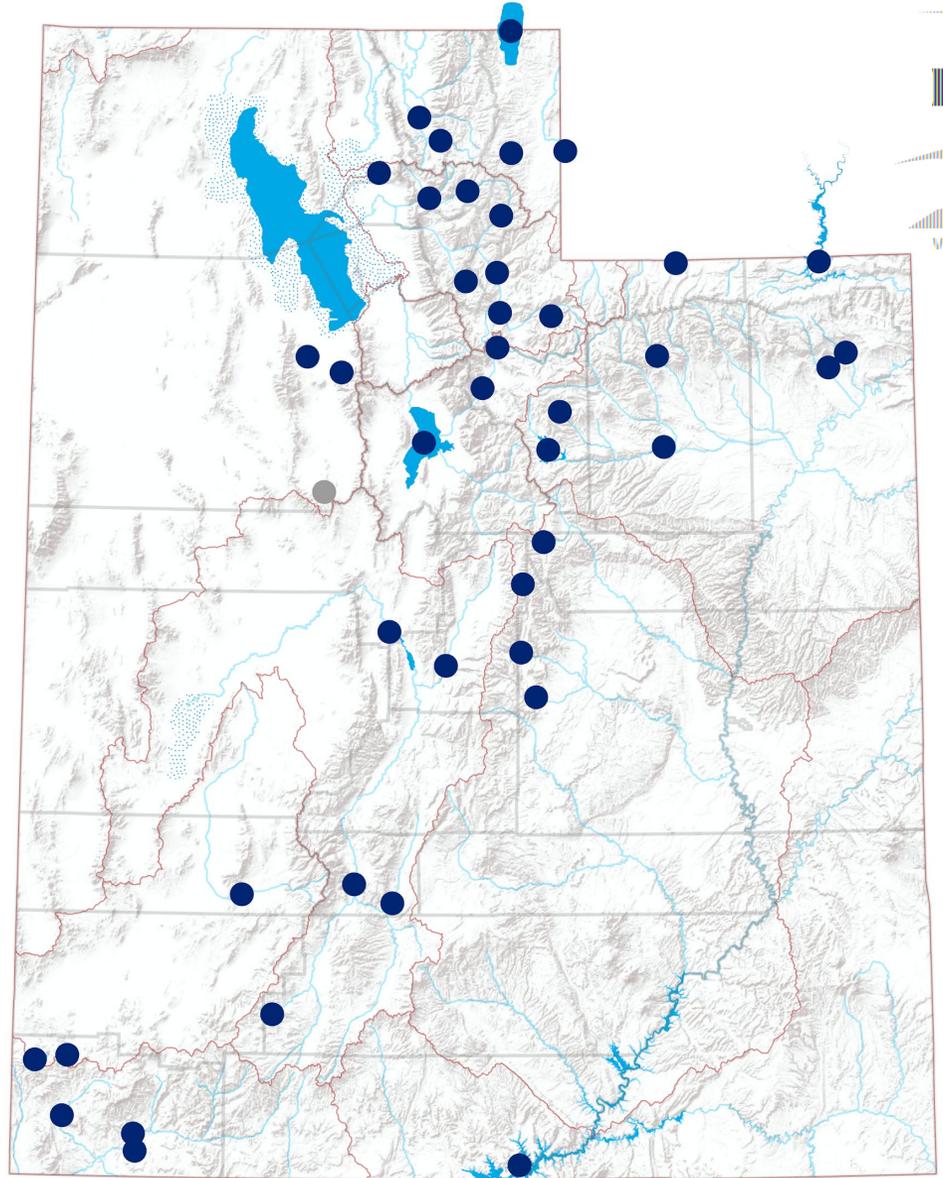
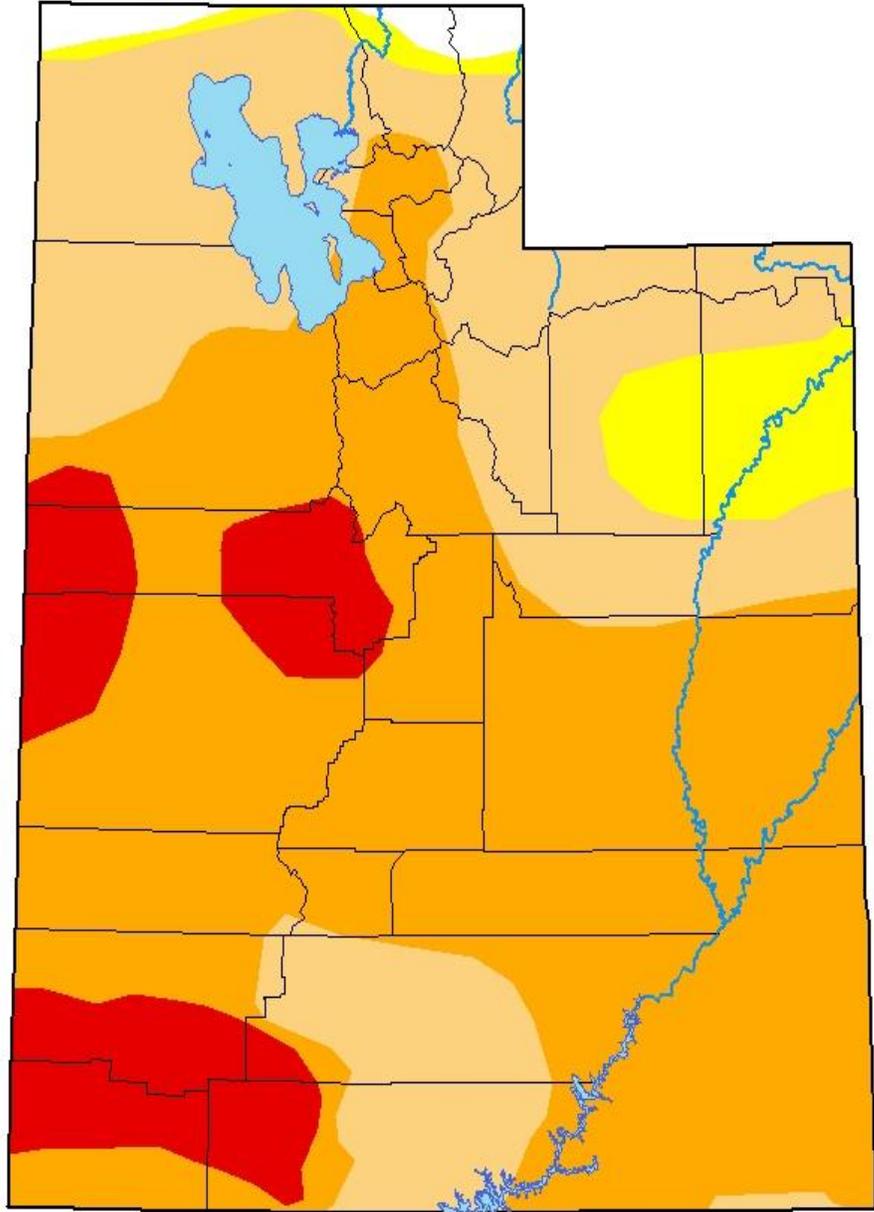


West Desert Basin Reservoir Storage (Aug 1)



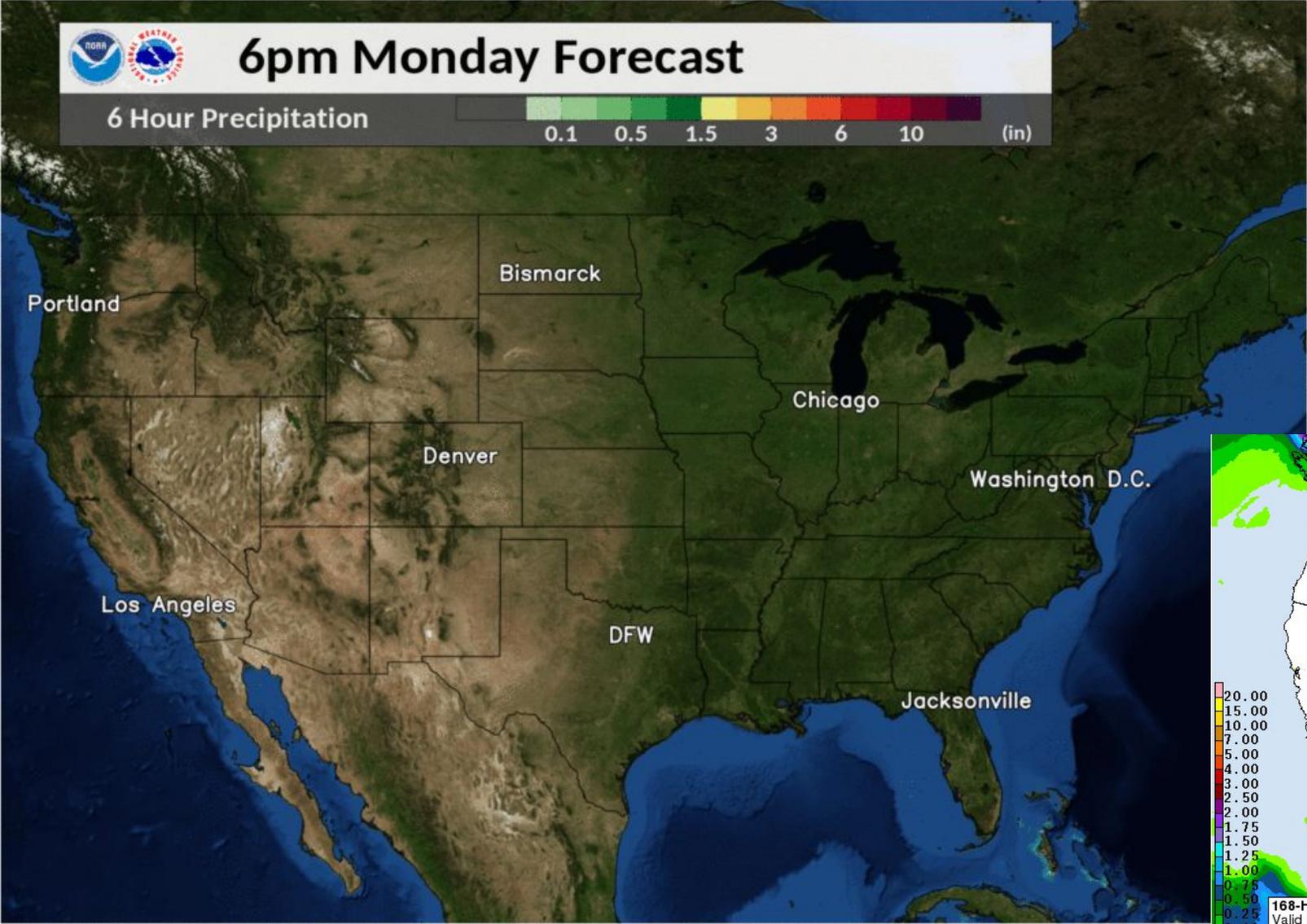
■ Current (Aug 1)
■ Last Year (Aug 1)
■ Average (Aug 1)
■ Total Capacity

* Values in () represent the change from Jul 1.

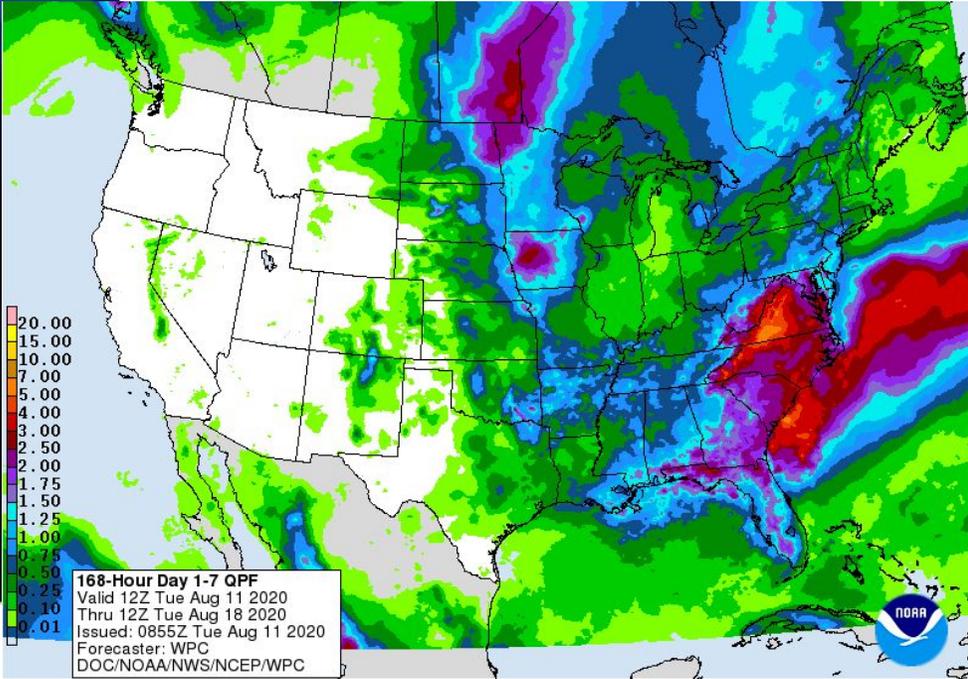


Data Sources
Bureau of Reclamation, Bear River Commission, Emery Water Conservancy District,
Sevier River Water Users Association, Washington County Water Conservancy District

Weather Forecast Office Utah Day 1-7 Outlook

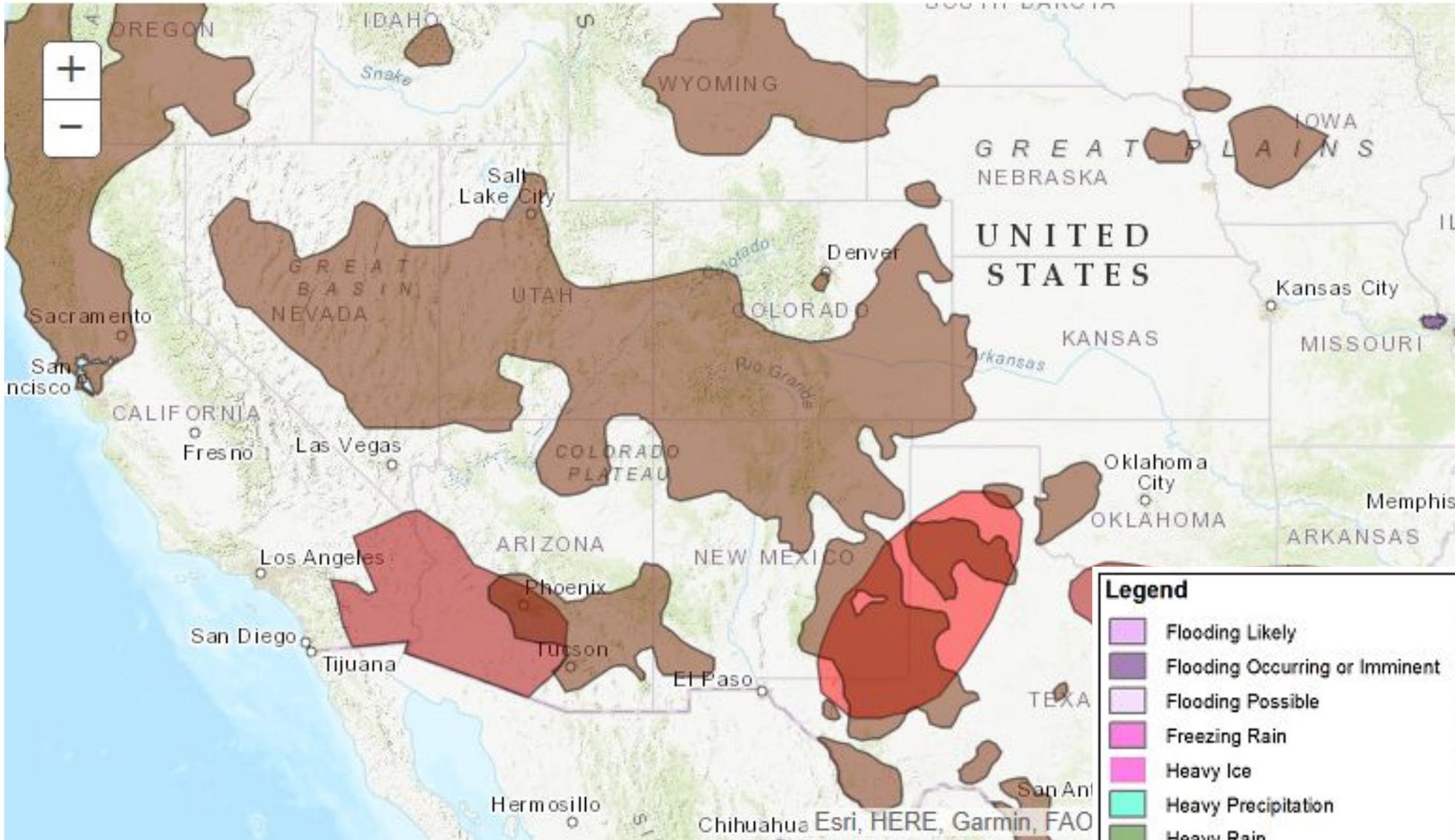


- Slight chance for showers across far Northwest Utah on Tuesday and south on Thursday
- Otherwise, hot and dry conditions are expected for the next 7 days.



Agency - National Weather Service Weather Forecast Office
Presenter - Jeff Colton - WCM GJT

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

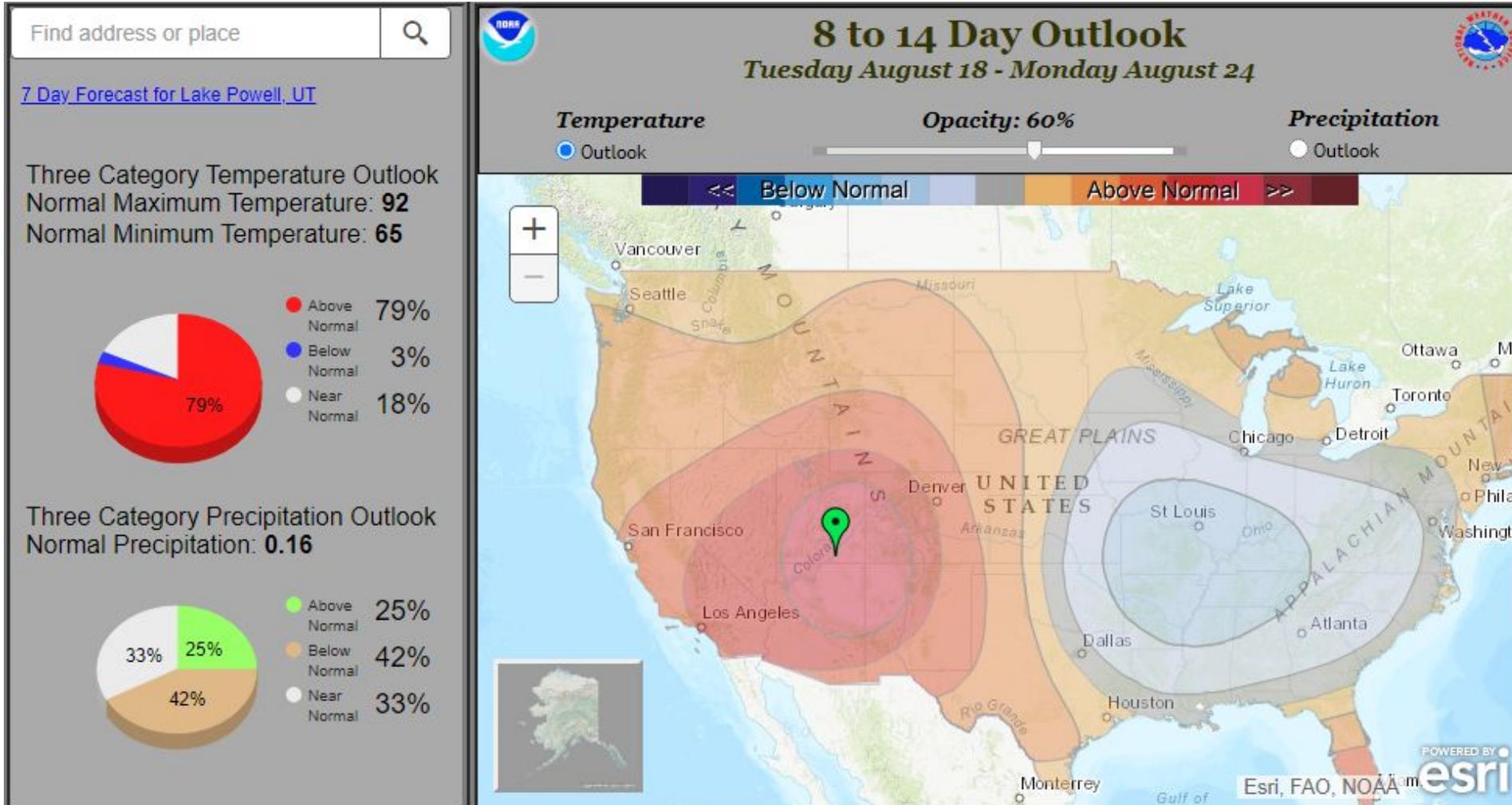


- Drought Conditions persist across much of the state
- Source: <https://www.wpc.ncep.noaa.gov/threats/threats.php>

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		

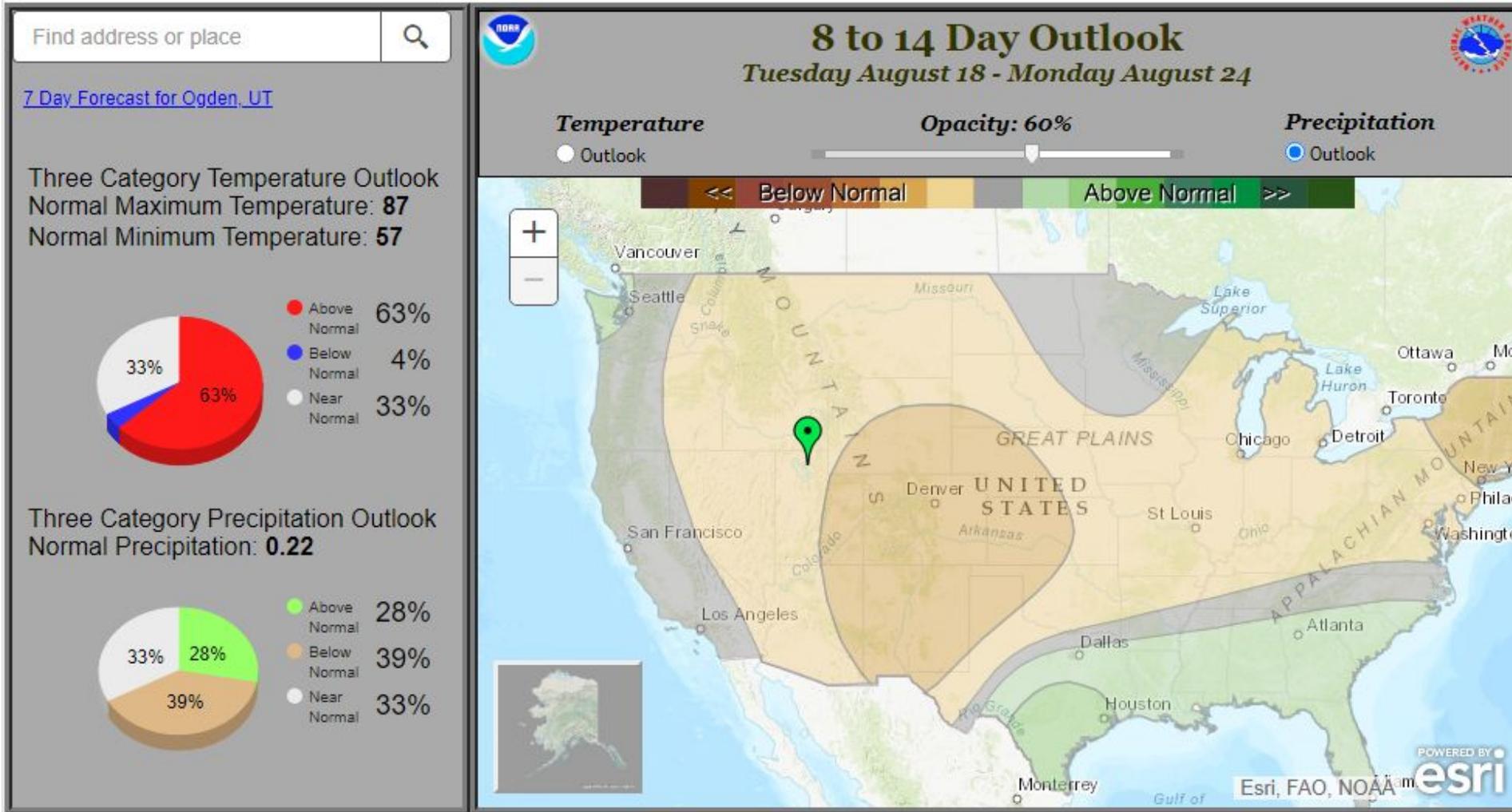
Agency - National Weather Service Weather Forecast Office
Presenter - Jeff Colton - WCM GJT

Climate Prediction Center 8 to 14 Day Outlooks - Temperature



- Very high odds in favor of above normal temperatures during the 8 to 14 day period
- Lake Powell showing a 79% potential for temperatures above normal
- Source: https://www.cpc.ncep.noaa.gov/products/predictions/8_14day/interactive/index.php

Climate Prediction Center 8 to 14 Day Outlooks - Precipitation



- Dry conditions favored to continue, although “odds” are a bit less than temperatures
- Ogden, UT shows a 39% chance for below normal precipitation through this period with normal rainfall of 0.22” expected
- Source: <https://www.cpc.ncep.noaa.gov/products/predictions/814day/interactive/index.php>

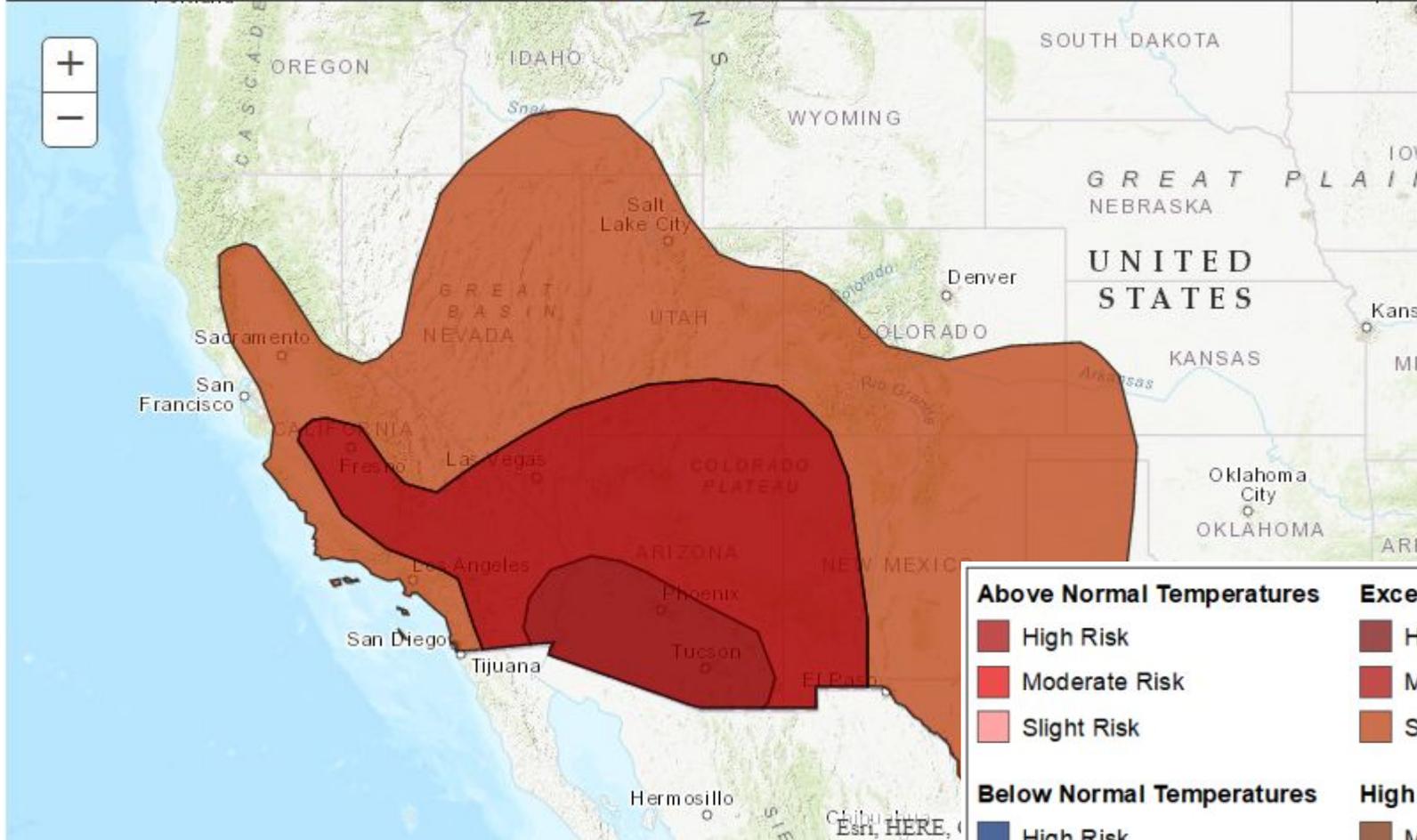
Agency - National Weather Service Weather Forecast Office

Presenter -

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



Type and Period	Temperature	Precipitation	Snow	Wind
Composite Days 8-14 Map	☑	No Hazards	No Hazards	No Hazards
Probabilistic Days 8-14 Map	☑	No Hazards	No Hazards	No Hazards



- Slight to moderate risk across the state for Hot conditions to persists over the next 2 weeks
- Source: <https://www.cpc.ncep.noaa.gov/products/predictions/threats/threats.php>

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	

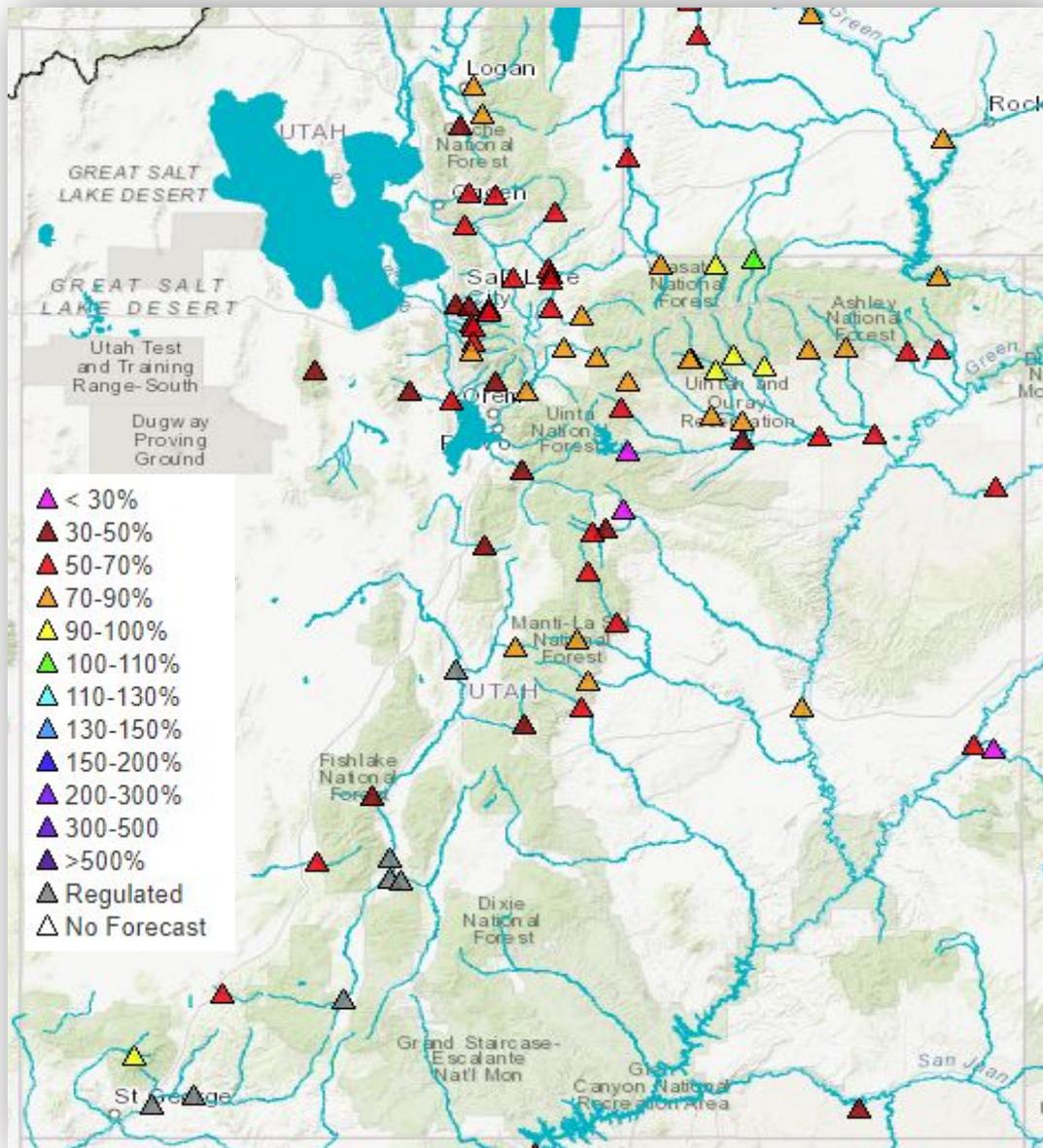
Agency - National Weather Service Weather Forecast Office
 Presenter - Jeff Colton - WCM GJT



Water Supply, Precipitation, Current Streamflow

Preliminary observed seasonal water supply volumes for the April through July season indicate volumes were in the range of 50-90 percent of average. However the range was 13-89 percent of average and most headwater basins are now near historically low baseflow levels unless augmented by reservoir releases. Reservoir operators did an excellent job of maximizing carry over water from WY2019.

No significant precipitation is forecasted over the next 10 days and therefore no change in the current hydrologic conditions are anticipated for Utah through at least the 20th of August.

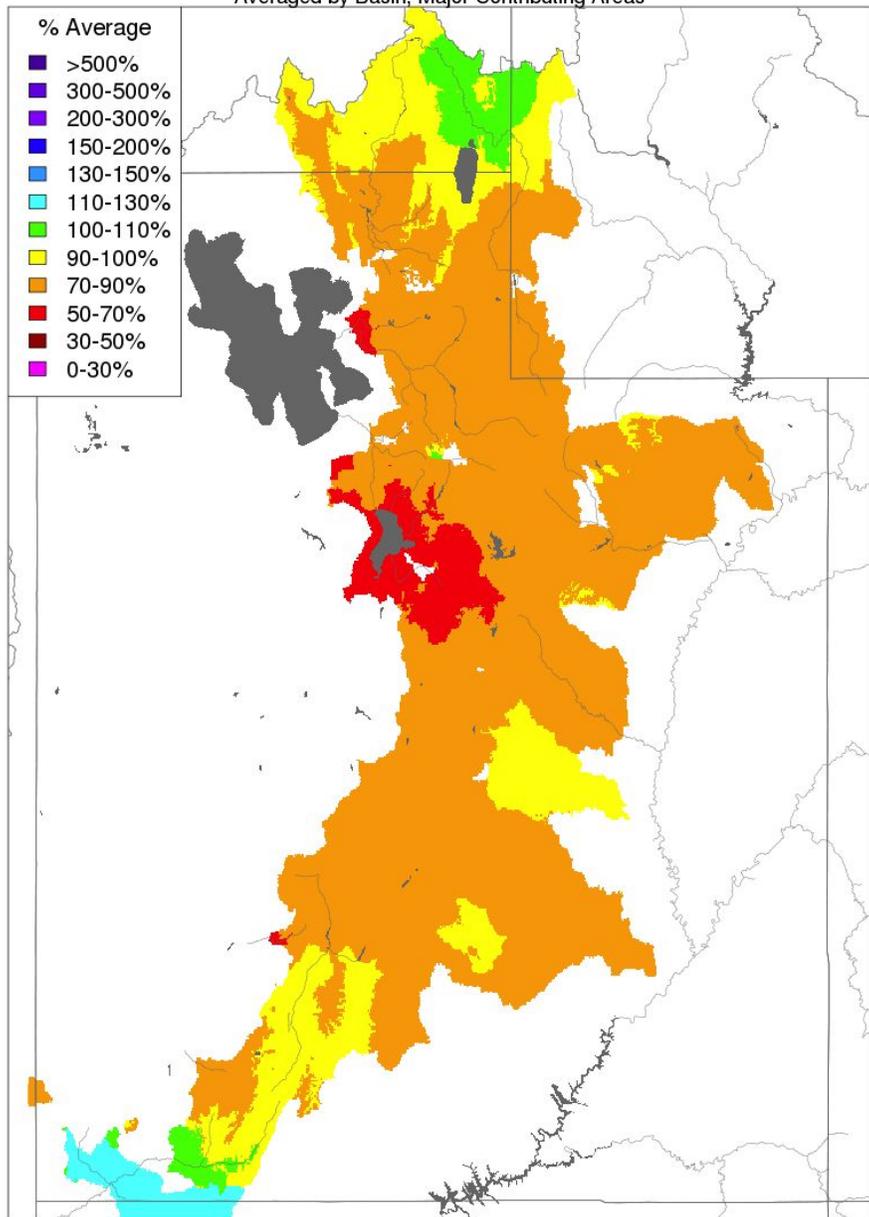


Agency - National Weather Service - Colorado Basin River Forecast Center

Presenter - Brent Bernard - Hydrologist for Paul Miller, SCH

Water Year Precipitation, October 2019 - July 2020

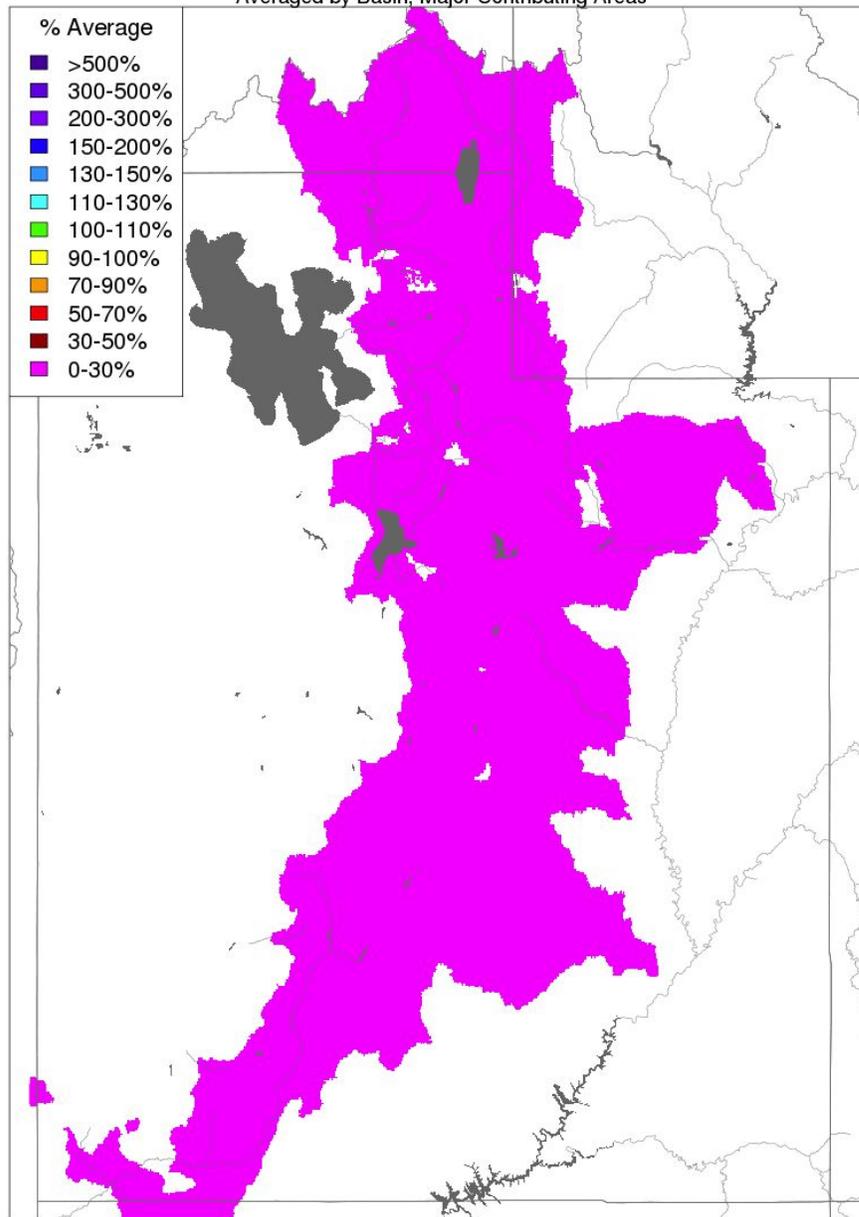
Averaged by Basin, Major Contributing Areas



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

Month to Date Precipitation - August 10 2020

Averaged by Basin, Major Contributing Areas



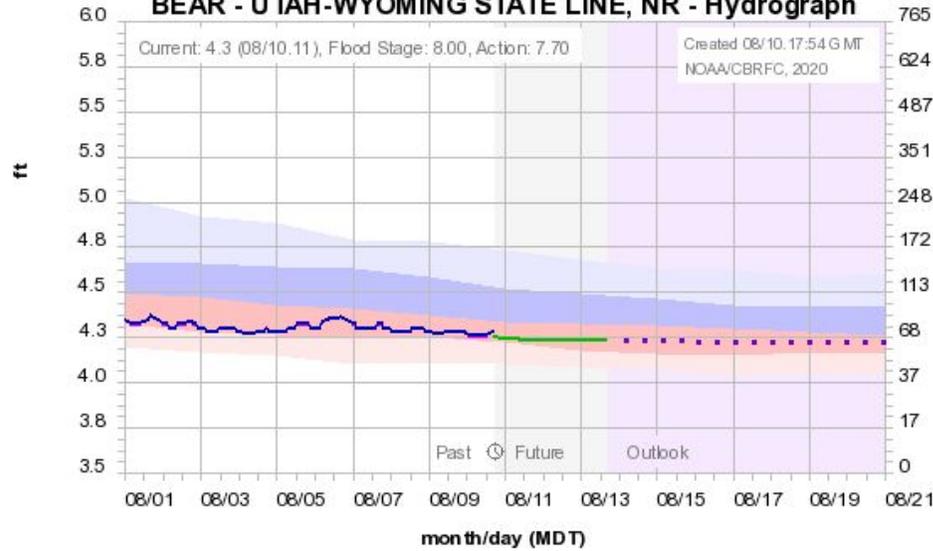
Prepared by NOAA, Colorado Basin River Forecast Center
Salt Lake City, Utah, www.cbrfc.noaa.gov



Dry conditions have persisted throughout the state over the course of the water year and now into August



Colorado Basin River Forecast Center BEAR - UTAH-WYOMING STATE LINE, NR - Hydrograph



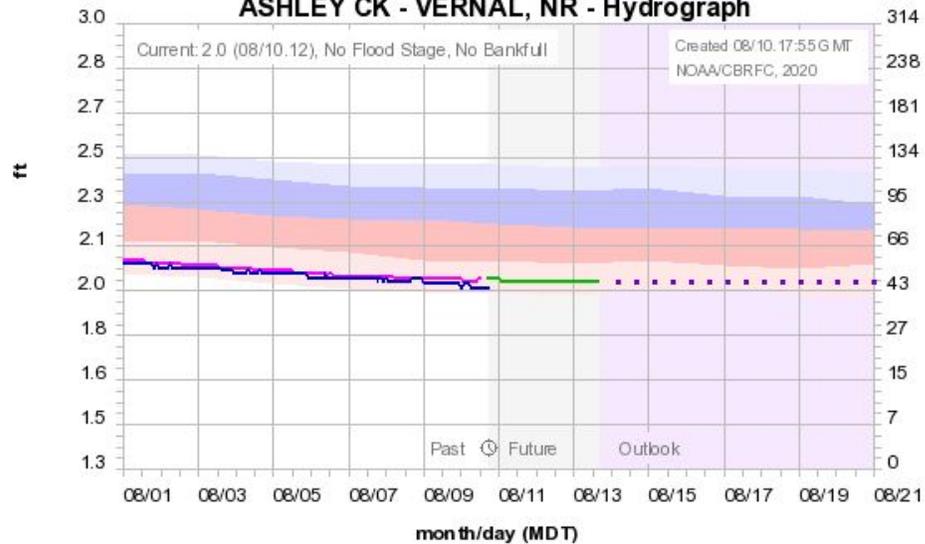
Simulated — Observed — Forecast (08/10.13:00) — Outlook (increasing uncertainty) - - -
 Historical Exceedance Probability (USGS): 90-75% ■ 75-50% ■ 50-25% ■ 25-10% ■

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



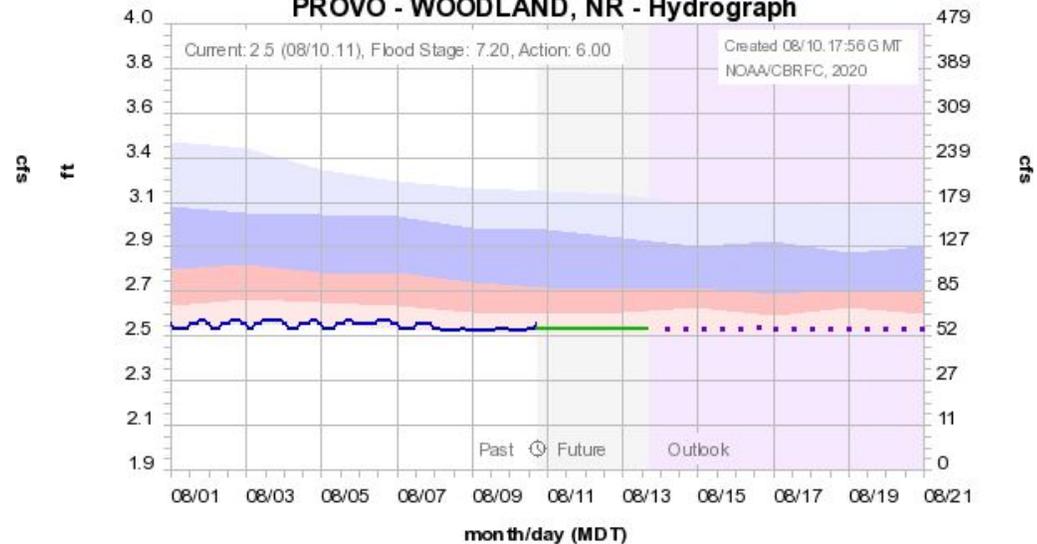
Simulated — Observed — Forecast (08/10.13:00) — Outlook (increasing uncertainty) - - -
 Historical Exceedance Probability (USGS): 90-75% ■ 75-50% ■ 50-25% ■ 25-10% ■

Colorado Basin River Forecast Center ASHLEY CK - VERNAL, NR - Hydrograph

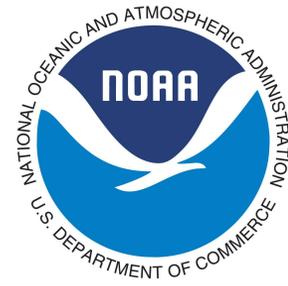


Simulated — Observed — Forecast (08/10.13:00) — Outlook (increasing uncertainty) - - -
 Historical Exceedance Probability (USGS): 90-75% ■ 75-50% ■ 50-25% ■ 25-10% ■

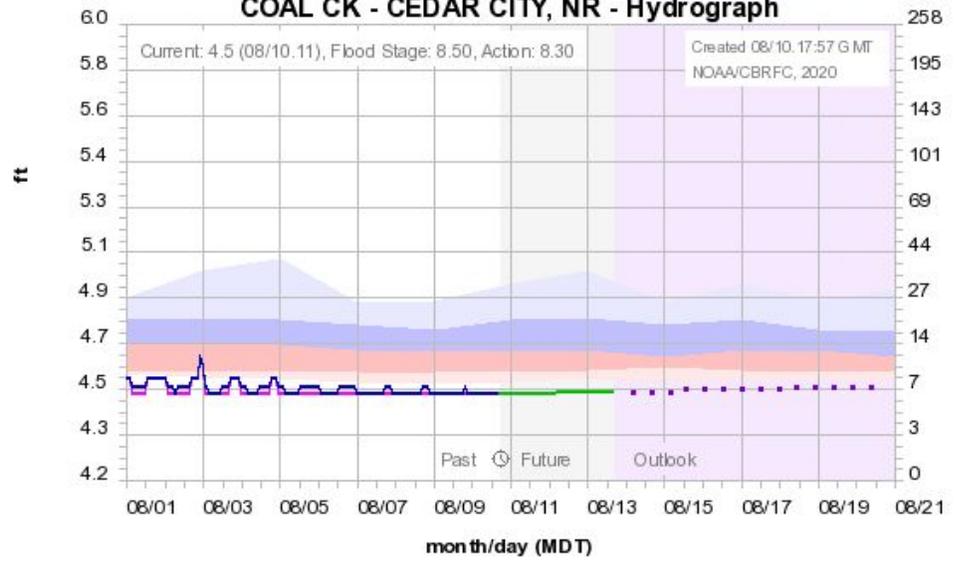
Colorado Basin River Forecast Center PROVO - WOODLAND, NR - Hydrograph



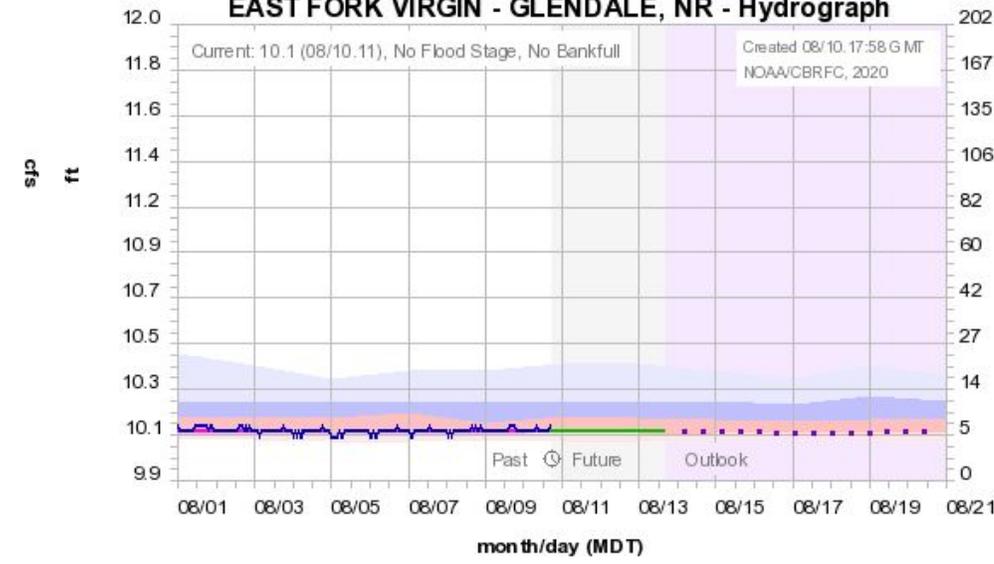
Simulated — Observed — Forecast (08/10.13:00) — Outlook (increasing uncertainty) - - -
 Historical Exceedance Probability (USGS): 90-75% ■ 75-50% ■ 50-25% ■ 25-10% ■



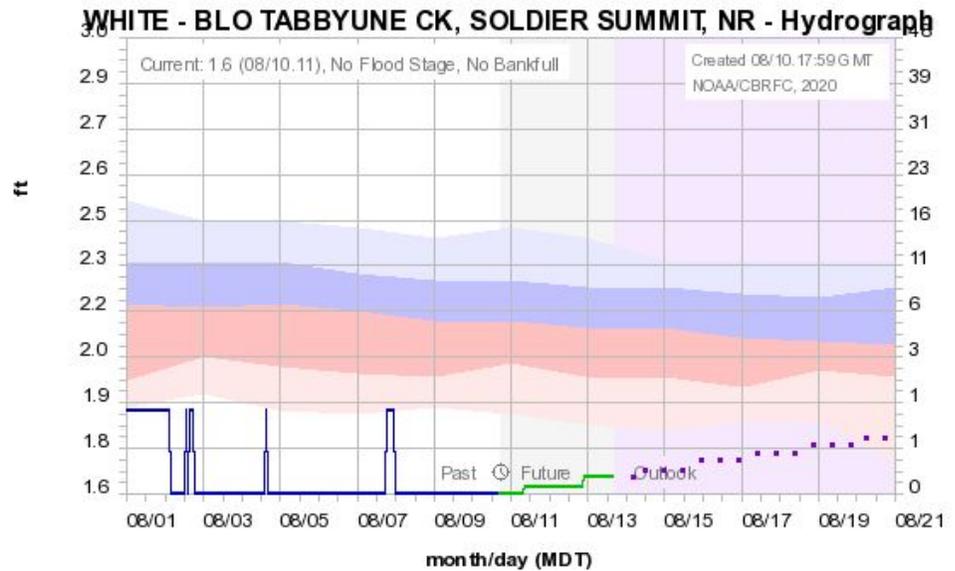
Colorado Basin River Forecast Center
COAL CK - CEDAR CITY, NR - Hydrograph



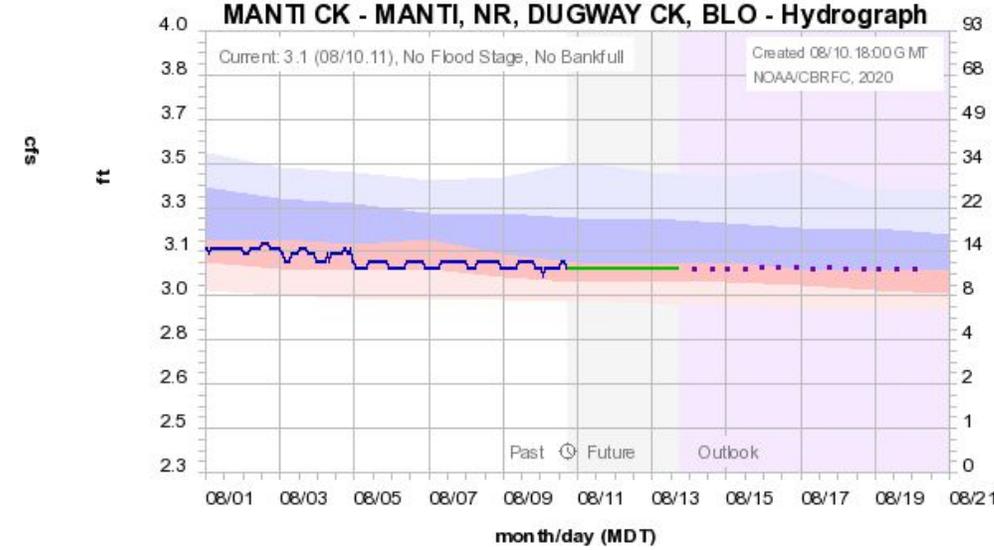
Colorado Basin River Forecast Center
EAST FORK VIRGIN - GLENDALE, NR - Hydrograph



Colorado Basin River Forecast Center
WHITE - BLO TABBYUNE CK, SOLDIER SUMMIT, NR - Hydrograph



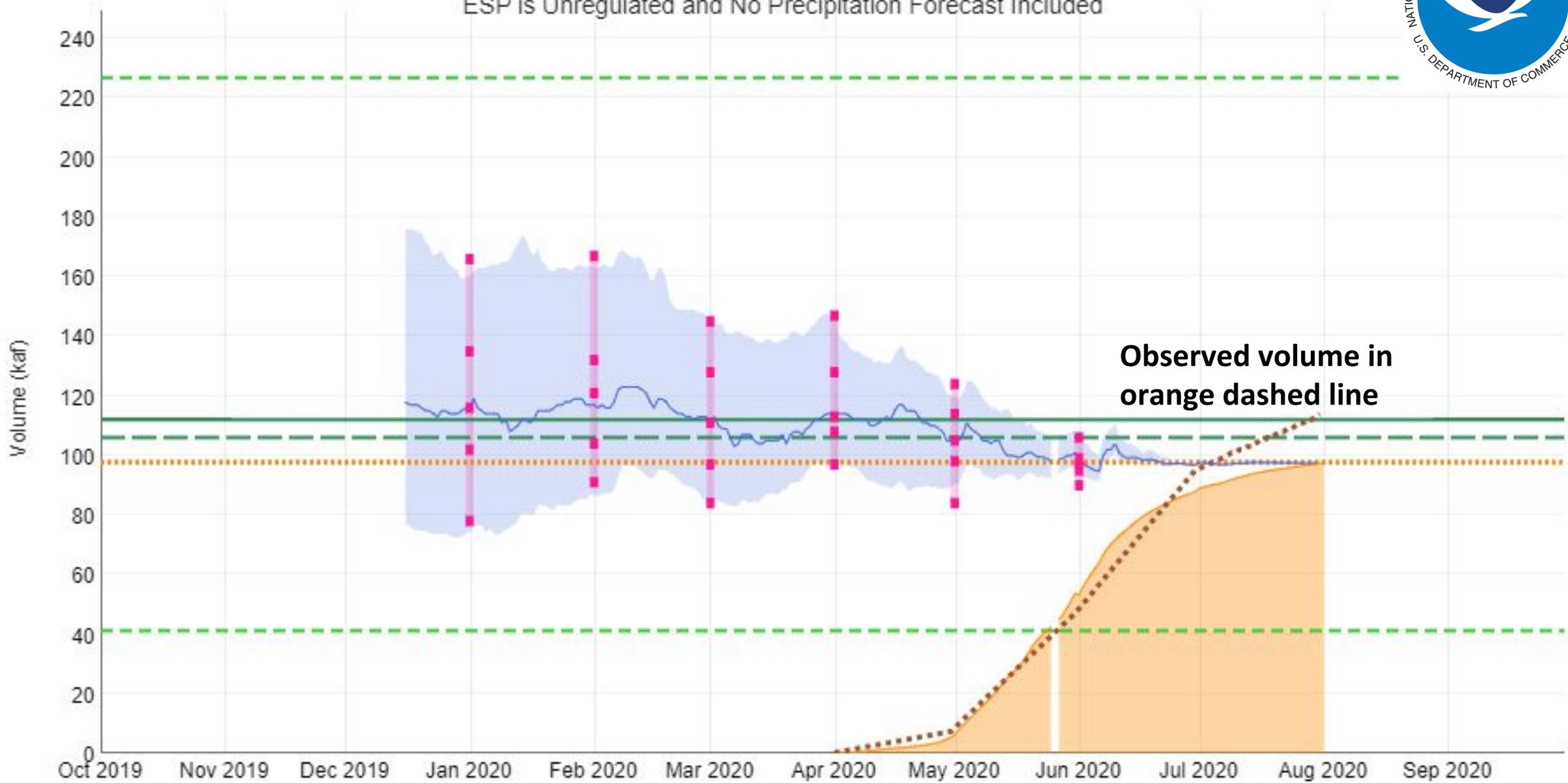
Colorado Basin River Forecast Center
MANTI CK - MANTI, NR, DUGWAY CK, BLO - Hydrograph



Bear - Utah-Wyoming State Line, Nr (BERU1)

Period: Apr-Jul, **Observed Volume: 97.7 kaf (87% Average, 92% Median)**

ESP is Unregulated and No Precipitation Forecast Included

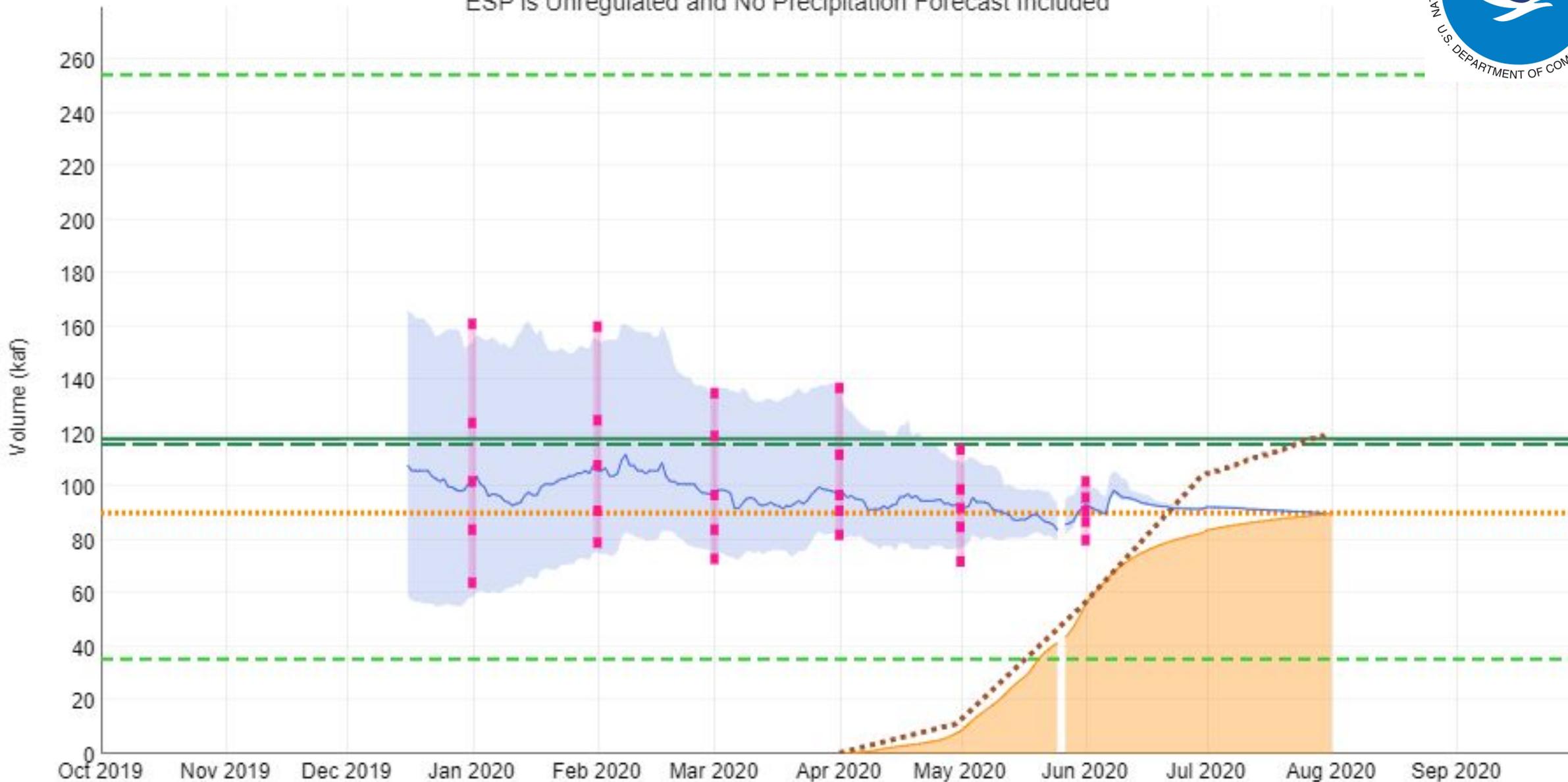




Weber - Oakley, Nr (OAWU1)

Period: Apr-Jul, Observed Volume: 90.2 kaf (76% Average, 78% Median)

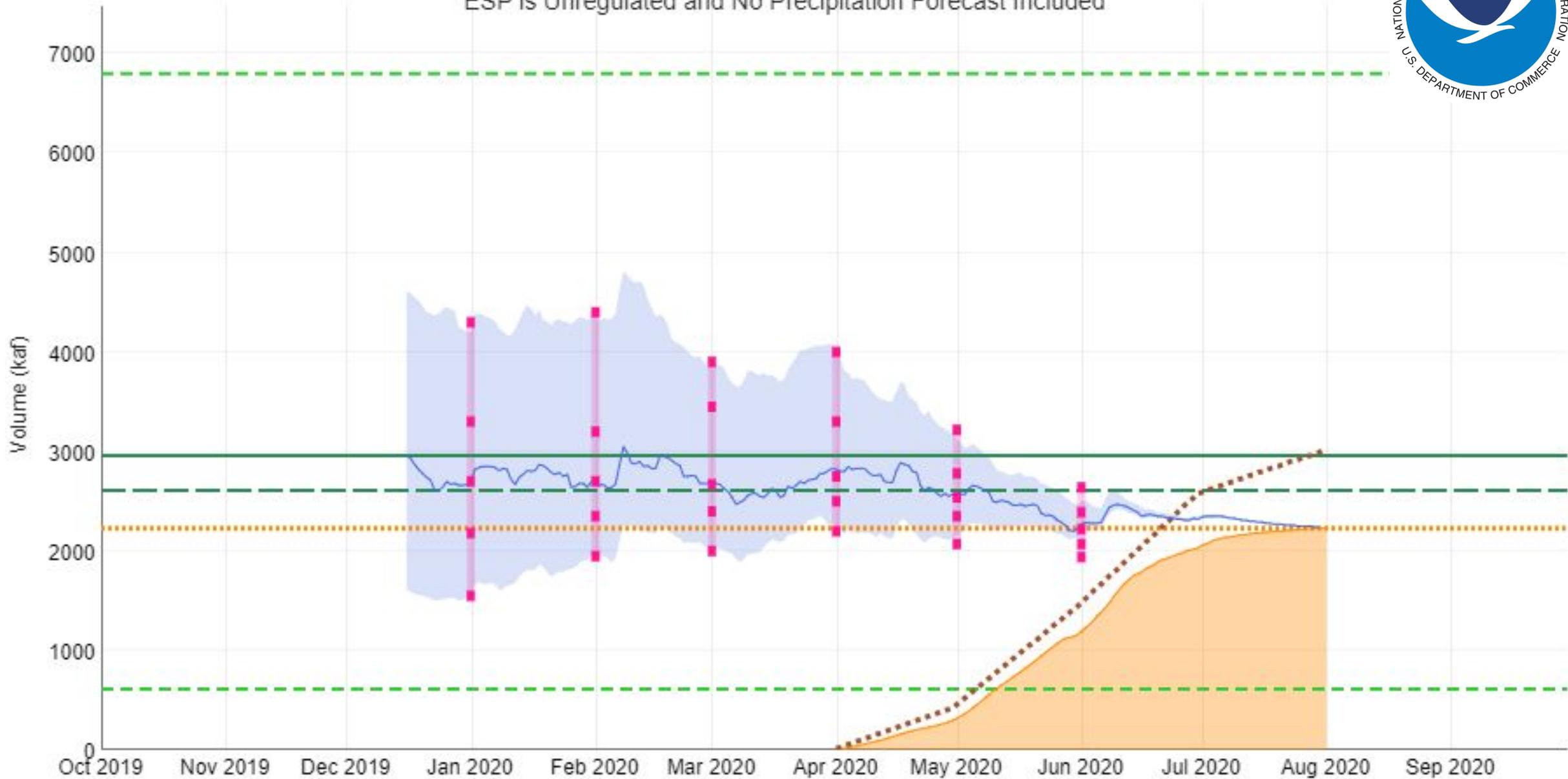
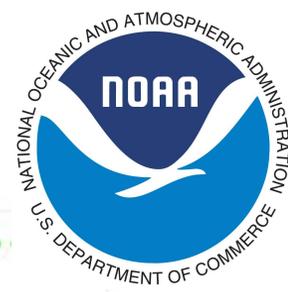
ESP is Unregulated and No Precipitation Forecast Included



Green - Green River, Ut (GRVU1)

Period: Apr-Jul, Observed Volume: 2230 kaf (75% Average, 86% Median)

ESP is Unregulated and No Precipitation Forecast Included

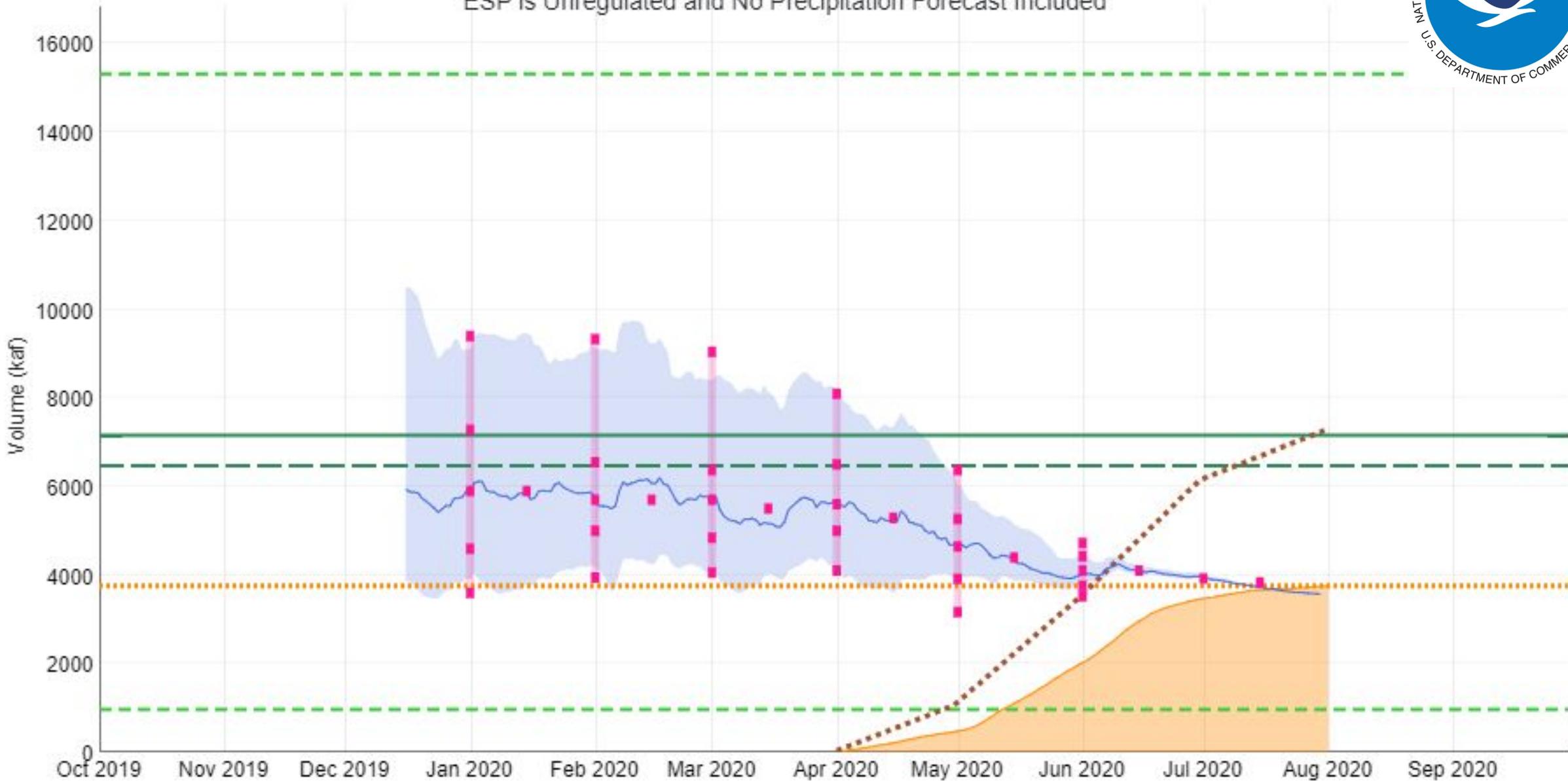


Parleys Ck - Salt Lake City, Nr (PRLU1)
Period: Apr-Jul, Observed Volume: 8.2 kaf (58% Average, 77% Median)

ESP is Unregulated and No Precipitation Forecast Included

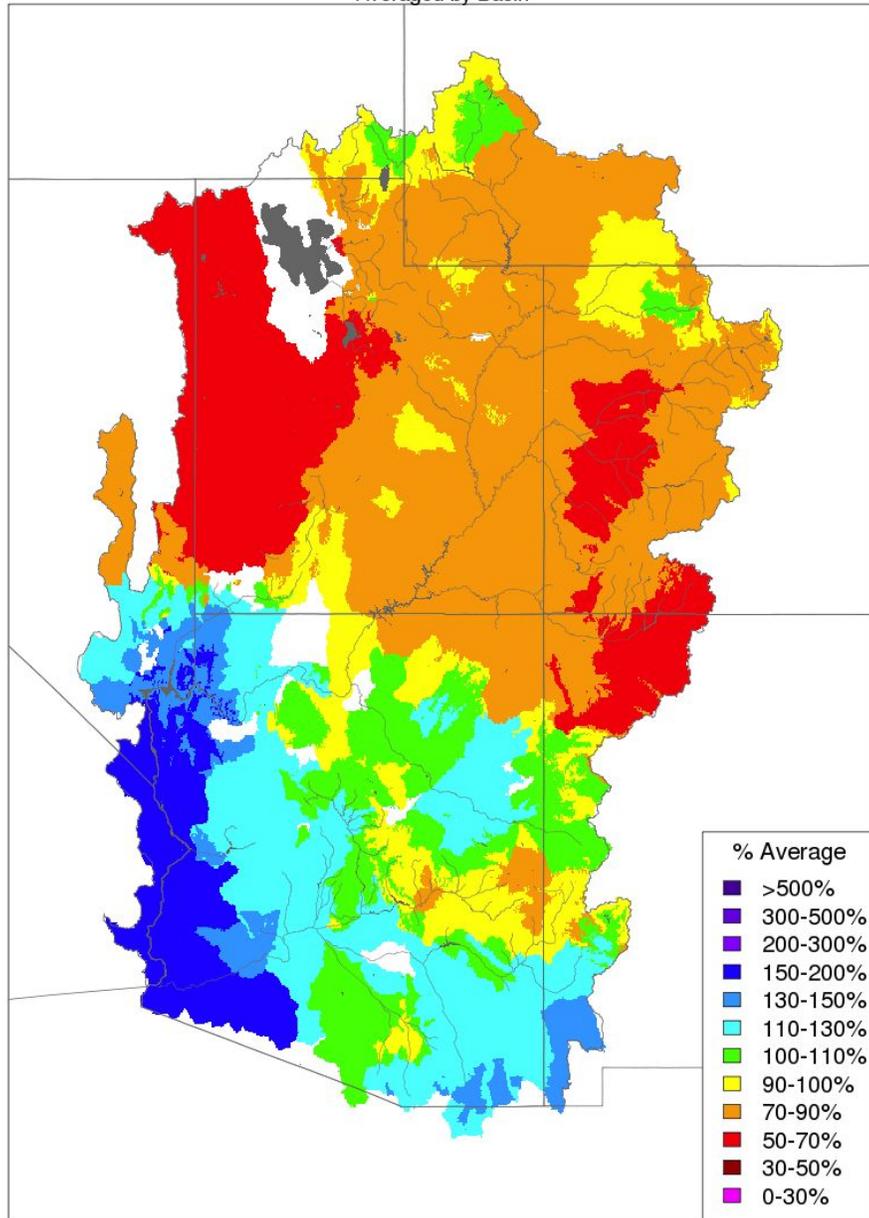


Colorado - Lake Powell, Glen Cyn Dam, At (GLDA3)
Period: Apr-Jul, Observed Volume: 3760 kaf (52% Average, 58% Median)
ESP is Unregulated and No Precipitation Forecast Included



Water Year Precipitation, October 2019 - July 2020

Averaged by Basin



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



Summary

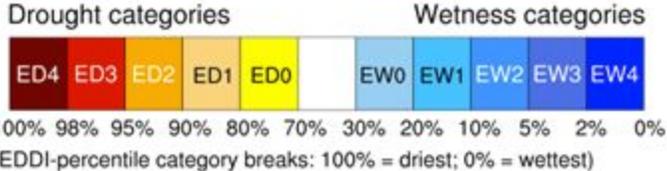
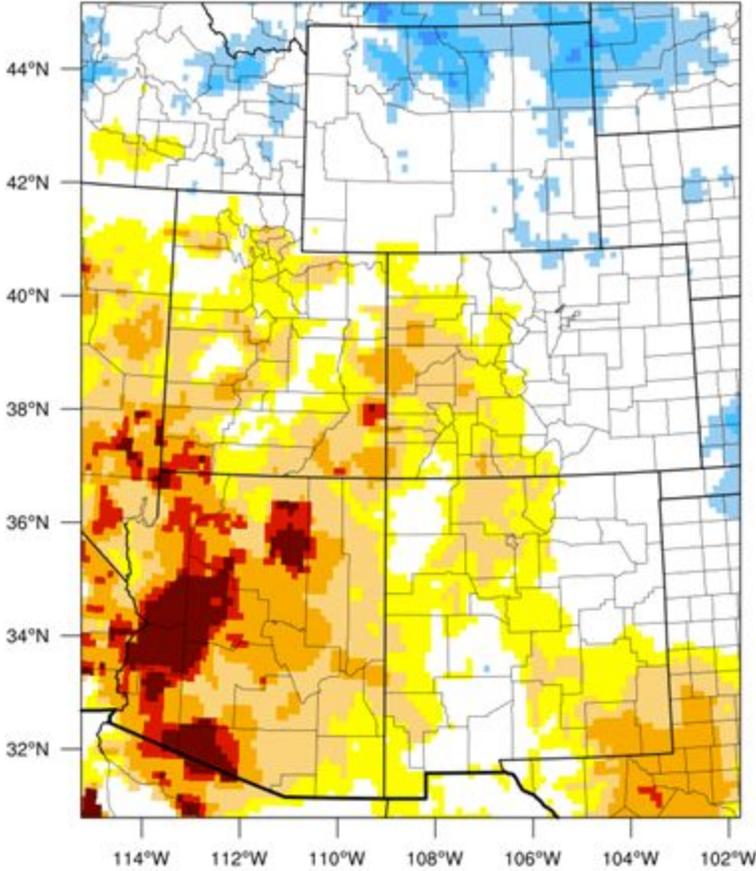
Hydrologic condition in Utah during the next 10 days look to continue the trend we've been seeing all summer, hot and dry with below average flows in most streams and river and no forecasted improvement in the states hydrologic activity levels into the foreseeable future.

Provisional Volumetric data for the April through July Observed Period is now available on our website.

As always, feel free to reach out to us at CBRFC with any questions or comments.

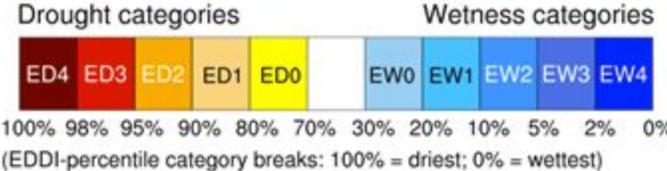
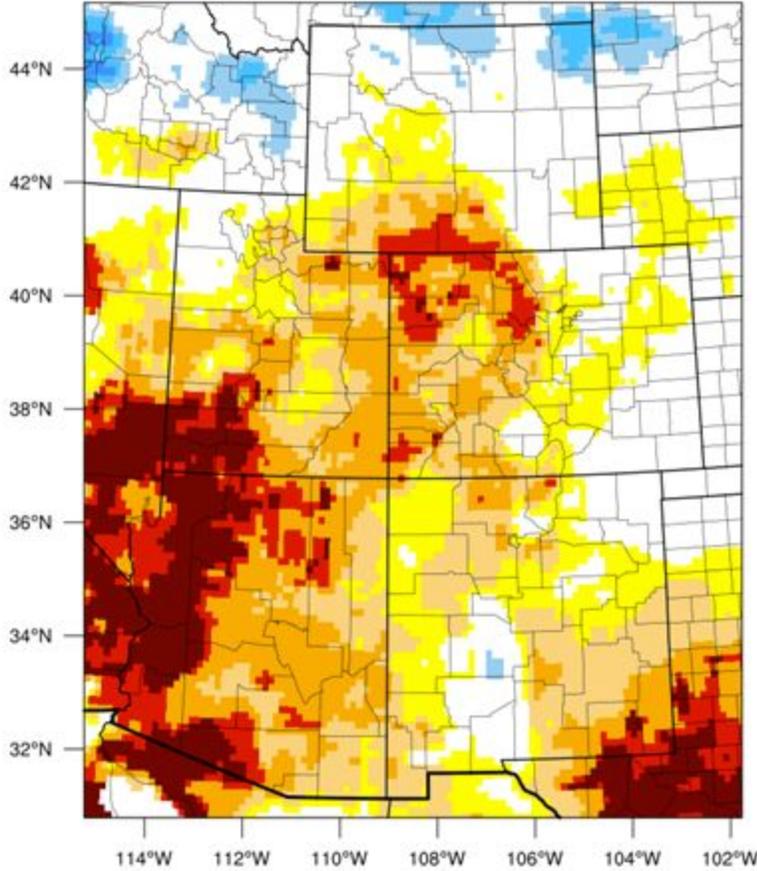
Evaporative Demand Drought Index (EDDI)

2-week EDDI categories for August 6, 2020



Generated by NOAA/ESRL/Physical Sciences Laboratory

4-week EDDI categories for August 6, 2020

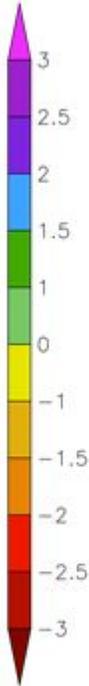
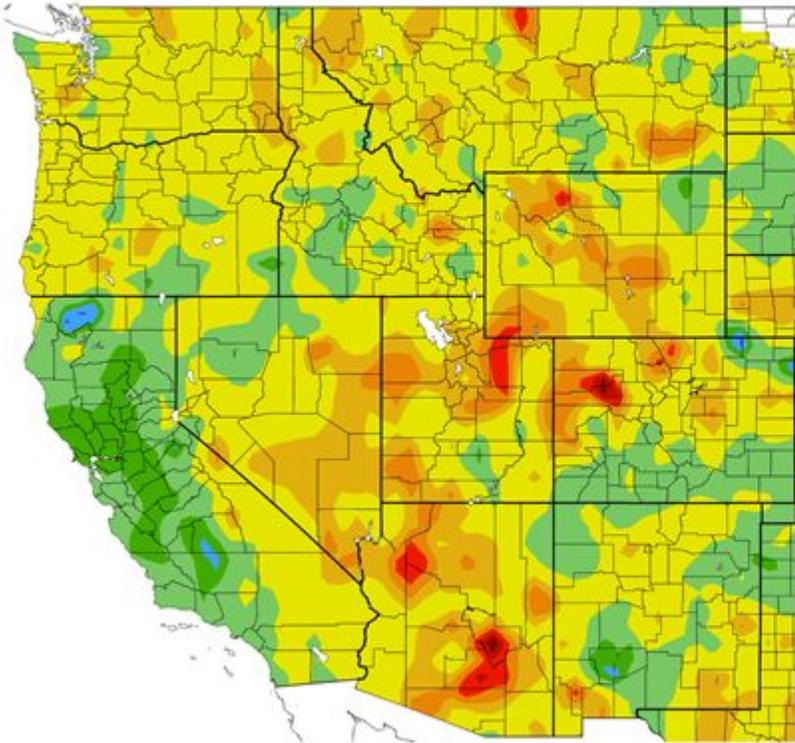


Generated by NOAA/ESRL/Physical Sciences Laboratory

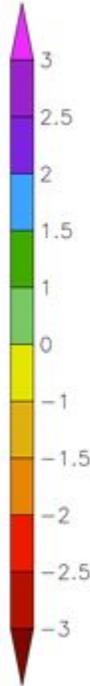
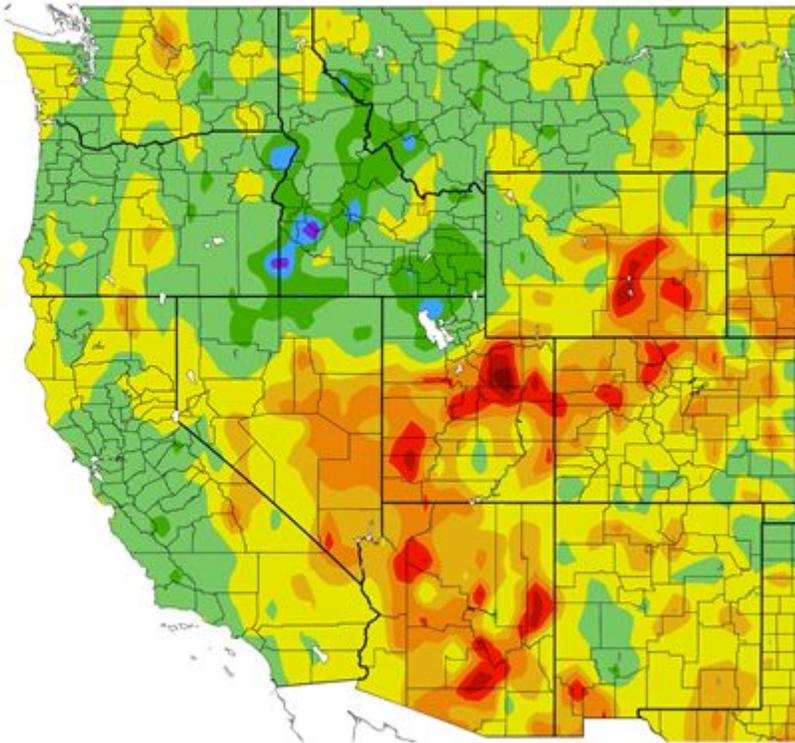
Agency - Jon Meyer
 Presenter - Utah Climate Center

Standardized Drought Index (SPI)

30 Day SPI
7/11/2020 - 8/9/2020



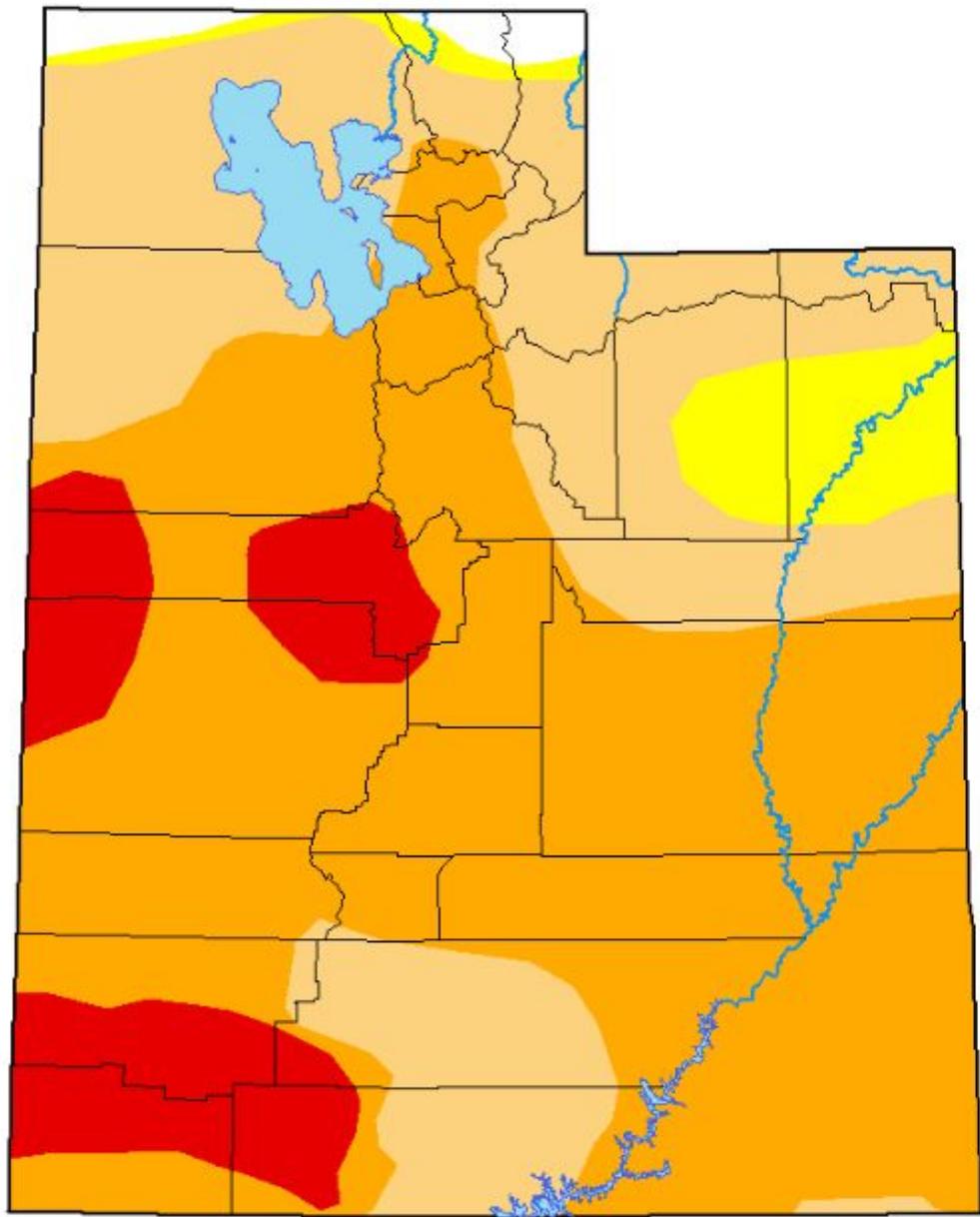
60 Day SPI
6/11/2020 - 8/9/2020



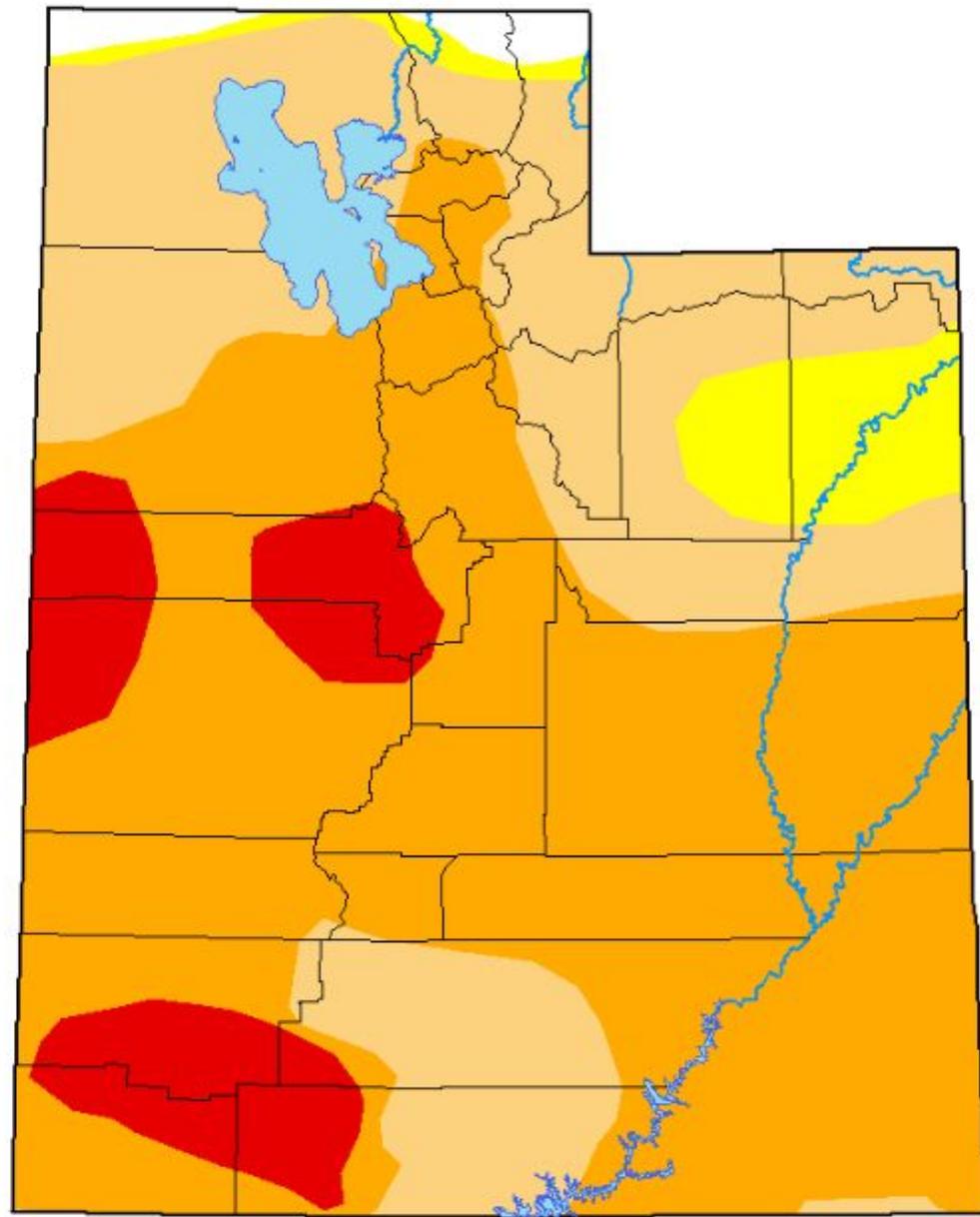
Generated 8/11/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers nerated 8/10/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers



« August 4, 2020 ▾ »



« July 28, 2020 ▾ »