Utah Drought Monitor Feedback Webinar

June 4, 2020
Precipitation 60 day history (Total & Percent of Average)

Total Precipitation (in.)
4/3/2020 - 6/1/2020

Percent of Average Precipitation (%)
4/3/2020 - 6/1/2020

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

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

Agency - Utah Climate Center
Presenter - Jon Meyer

Generated 6/2/2020 at WRCC using provisional data.
NOAA Regional Climate Centers
Precipitation 30 day history (Percent of Average)

Agency - Utah Climate Center
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Surface station Observations: Month

CoCoRaHS

CoCoRaHS Total Liquid Precip:
05012020 to 06032020

UCC Stations

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

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

Agency - Utah Climate Center
Presenter - Jon Meyer
Surface station Observations: Since we last met

CoCoRaHS

CoCoRaHS Total Liquid Precip:
05212020 to 06032020

UCC Stations

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

Agency - Utah Climate Center
Presenter - Jon Meyer
Tabular weather station data
Snowpack
(Water Year to date % of Average)

Agency - NRCS Snow Survey
Presenter - Jordan Clayton
Soil Moisture (Current)
Mountain locations

Agency - NRCS Snow Survey
Presenter - Jordan Clayton
Reservoir Levels
USBR

https://www.usbr.gov/uc/water/basin/
Presenter - Laura Haskell
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Reservoir Levels
Emery Water Conservancy District

http://www.ewcd.org/reservoirs/upper-huntington-drainage-teacups/
Presenter - Laura Haskell
Reservoir Levels
Sevier River Water Users

Yuba Lake peaked early April
Reservoir Levels Virgin River Basin
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.
Current forecast rain totals
Friday evening through Sunday night
Weather Prediction Center U.S. Day 3-7 Hazards Outlook

Day 3-7 U.S. Hazards Outlook
Valid: 06/06/2020-06/10/2020

- Much Below Normal Temperatures
  - 65 - 67
- Heavy Rain
  - 85 - 95
- Severe Weather
  - 66 - 67

For the latest information on flooding - https://www.wpc.ncep.noaa.gov/national/floodoutlook/index.html

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

Green - Flaming Gorge Reservoir (GRNU1)
Period: Apr-Jul, Official 50% Forecast (2020-06-01): 740 kaf (76% Average, 89% Median)
ESP is Unregulated and No Precipitation Forecast Included

[Graph showing water volume over time from October 2019 to September 2020]
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
Colorado - Lake Powell, Glen Cyn Dam, At (GLDA3)

Period: Apr-Jul, Official 50% Forecast (2020-06-01): 4100 kaf (57% Average, 63% Median)

ESP is Unregulated and No Precipitation Forecast Included
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
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