Utah Drought Monitor Feedback Webinar

June 30, 2020
Precipitation 60 day history (Percent of Average)

Agency - Utah Climate Center
Presenter - Jon Meyer
Precipitation 30 day history (Percent of Average)

Agency - Utah Climate Center
Presenter - Jon Meyer
Temperature 30 day (Related to Average)

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Presenter - Jon Meyer
Temperature 7 day (Related to Average)
Precipitation 7 day history (Percent of Average)
Surface station Observations: Month of May

CoCoRaHS Total Liquid Precip: 05302020 to 06292020

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

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Presenter - Jon Meyer
Surface station Observations: Last week

CoCoRaHS

UCC Stations

CoCoRaHS Total Liquid Precip: 06/21/2020 to 06/29/2020

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

Agency - Utah Climate Center
Presenter - Jon Meyer
Summer Outlook

ONE-MONTH OUTLOOK
PRECIPITATION PROBABILITY
0.5 MONTH LEAD
VALID JUL 2020
MADE 18 JUN 2020

THREE-MONTH OUTLOOK
PRECIPITATION PROBABILITY
0.5 MONTH LEAD
VALID JUN 2020
MADE 18 JUN 2020

ONE-MONTH OUTLOOK
TEMPERATURE PROBABILITY
0.5 MONTH LEAD
VALID JUL 2020
MADE 18 JUN 2020

THREE-MONTH OUTLOOK
TEMPERATURE PROBABILITY
0.5 MONTH LEAD
VALID JUN 2020
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Agency - Utah Climate Center
Presenter - Jon Meyer
Soil Moisture (Current)
Mountain locations (SNOTEL)

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

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

https://www.usbr.gov/uc/water/basin/
Presenter - Laura Haskell
Reservoir Levels
USBR

Data Current as of: 06/28/2020

Upper Stillwater
30369/31382
97% Full

Moon Lake
37298/37848
99% Full

Red Fleet
22768/25700
88% Full as of 06/24

Steinaker
19280/36148
53% Full as of 06/24

Soldier Creek
1004237/1105910
91% Full

Starvation
156329/162279
96% Full

Uinta Basin

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

http://www.ewcd.org/reservoirs/upper-huntington-drainage-teacups/
Presenter - Laura Haskell
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.
Weather Prediction Center U.S. Day 3-7 Hazards Outlook

- Severe Drought Conditions forecast to persist
Odds favoring cooler weather along the West Coast

Near normal to above normal conditions expected across Utah
• Odds favor below normal precipitation for all of Utah
- Slight Risk of Excessive Heat across much of eastern Utah
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

BIG COTTONWOOD CK - 300 WEST - Hydrograph

Latest: M, No Flood Stage, No Bankfull

Created 06/30. 15:38 G MT
NOAA/CBRFC, 2020

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

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