Utah Drought Monitor Webinar

The meeting will begin shortly

Thank you to our contributors
Utah Drought Monitor Webinar

November 17, 2020
Precipitation 60 day history (Percent of Average)
Precipitation 30 day history (Percent of Average)
Temperature 30 day (Related to Average)
Temperature 7 day (Related to Average)
Precipitation 7 day history (Percent of Average)

Total Precipitation (in.) 11/1Q/2020 – 11/16/2020

Percent of Average Precipitation (%) 11/1Q/2020 – 11/16/2020

Generated 11/17/2020 at WRCC using provisional data.
NOAA Regional Climate Centers

Agency -
Presenter -
Surface station Observations: Last two days

CoCoRaHS

UCC Stations

Agency - Utah Climate Center
Presenter - Jon Meyer
Drought Indices (VegDRI, QuickDRI, EDDI, WestWide Drought Tracker @ first of month)
Snowpack conditions

Too early to assess % normal, but…
Northern Utah off to good start

4 SNOTEL sites → 2nd highest SWE rank
(compared with POR for this date)
Soil Moisture (Current)

Mountain & Valley locations (SNOTEL & SCAN)
8” sensor depth

Extremely dry soils will reduce efficiency of snowmelt runoff next spring.
Sevier River Basin Reservoir Storage (Nov 1)

- **Gunnison**: Current (Nov 1) = 28%, Last Year (Nov 1) = 26%, Average (Nov 1) = 20,300 ac-ft, Total Capacity = 20,300 ac-ft
- **Panguitch Lake**: Current (Nov 1) = 64%, Last Year (Nov 1) = 67%, Average (Nov 1) = 22,300 ac-ft, Total Capacity = 22,300 ac-ft
- **Otter Creek**: Current (Nov 1) = 28%, Last Year (Nov 1) = 43%, Average (Nov 1) = 72%, Total Capacity = 52,500 ac-ft
- **Piute**: Current (Nov 1) = 19%, Last Year (Nov 1) = 27%, Average (Nov 1) = 41%, Total Capacity = 71,800 ac-ft
- **Sevier Bridge**: Current (Nov 1) = 18%, Last Year (Nov 1) = 34%, Average (Nov 1) = 41%, Total Capacity = 236,000 ac-ft
- **Basin Total**: Current (Nov 1) = 21%, Last Year (Nov 1) = 39%, Average (Nov 1) = 43%, Total Capacity = 402,900 ac-ft

*Values in () represent the average*
Virgin River Basin Reservoir Storage (Nov 1)

- **Gunlock**
  - Current (Nov 1): 43% (76%)
  - Last Year (Nov 1): 53%
  - Average (Nov 1): 61% (-6%)
  - Total Capacity: 10,900 ac-ft

- **Quail Creek**
  - Current (Nov 1): 61% (-6%)
  - Last Year (Nov 1): 65%
  - Total Capacity: 40,000 ac-ft

- **Sand Hollow**
  - Current (Nov 1): 75% (-2%)
  - Last Year (Nov 1): 73%**
  - Total Capacity: 51,000 ac-ft

- **Basin Total**
  - Current (Nov 1): 66% (-5%)
  - Last Year (Nov 1): 63%
  - Total Capacity: 101,900 ac-ft

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

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Agency - Division of Water Resources w/NRCS data
Weather Forecast Office Utah Day 1-7 Outlook

Agency - National Weather Service Weather Forecast Office
Presenter - Christine Kruse
Weather Prediction Center U.S. Day 3-7 Hazards Outlook

Day 3-7 U.S. Hazards Outlook
Valid: 11/19/2020-11/23/2020

Agency - National Weather Service Weather Forecast Office
Presenter - Christine Kruse
Climate Prediction Center 8 to 14 Day Outlooks - Precipitation

8-14 Day Precipitation Outlook
Nov 24 - Nov 30, 2020

Above Normal Favored

Below Normal Favored

Issued: 11/16/2020

Agency - National Weather Service Weather Forecast Office
Presenter - Christine Kruse
Water Supply Forecasts Begin January 1, 2021, Situation Set for Below Average Flows w/Avg Snow

October 2020 Adjusted Flows
Majority of River Reaches <50% of Average.