Utah Drought Monitor Webinar

The meeting will begin shortly

Thank you to our contributors
Utah Drought Monitor Webinar

April 6, 2021
How did March turn out?
March Standardized Precip. Index + Palmer Drought Severity Index

Agency - Utah Climate Center
Presenter - Jon Meyer
How has April started?

Agency - Utah Climate Center
Presenter - Jon Meyer
April Showers

Last 24-hour CoCoRaHS reports

Agency - Utah Climate Center
Presenter - Jon Meyer
Recent Evaporative Demand
Satellite-based Soil Moisture Measurements

Shallow Ground Water vs Surface Soil Moisture

Agency - Utah Climate Center
Presenter - Jon Meyer

[Maps showing soil moisture]
Entering the growing season

Vegetation Drought Response Index
Complete: Utah

Agency - Utah Climate Center
Presenter - Jon Meyer

Growing Degree Days base 40
3/22/2021 – 4/4/2021

Vegetation Condition

- Extreme Drought
- Severe Drought
- Moderate Drought
- Pre-drought stress
- Near Normal
- Unusually Moist
- Very Moist
- Extreme Moist
- Out of Season
- Water

April 4, 2021
Soil Moisture (Current)

Agency - NRCS Snow Survey
Presenter - Jordan Clayton
Streamflow forecasts

- CBRFC will present on Utah’s runoff forecasts
- NRCS versions presented here to reinforce poor anticipated water supply conditions
# Washington County Water Conservancy District Reservoirs

(Percent of Full Capacity)

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Current Value</th>
<th>VS. PRIOR PERIOD</th>
<th>VS. SAME PERIOD PRIOR YEAR</th>
<th>Trend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reservoir Storage (Percent of Monthly Average) &lt;br&gt;Southwestern Utah Basin</td>
<td>38.0%</td>
<td>▼</td>
<td>▼</td>
<td>-8</td>
</tr>
<tr>
<td>Reservoir Percent Full - Daily &lt;br&gt;All Reservoirs-Washington County (UT)</td>
<td>57.5%</td>
<td>▲</td>
<td>▲</td>
<td>+1</td>
</tr>
<tr>
<td>Reservoir Percent Full - Daily &lt;br&gt;Gunlock Reservoir-Washington County (UT)</td>
<td>58.0%</td>
<td>⬤</td>
<td>▼</td>
<td>12</td>
</tr>
<tr>
<td>Reservoir Percent Full - Daily &lt;br&gt;Kolob Reservoir-Washington County (UT)</td>
<td>52.0%</td>
<td>⬤</td>
<td>▼</td>
<td>2</td>
</tr>
<tr>
<td>Reservoir Percent Full - Daily &lt;br&gt;Sand Hollow Reservoir-Washington County (UT)</td>
<td>93.0%</td>
<td>▲</td>
<td>▼</td>
<td>+1</td>
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<tr>
<td>Reservoir Percent Full - Daily &lt;br&gt;Quail Creek Reservoir-Washington County (UT)</td>
<td>72.0%</td>
<td>⬤</td>
<td>▼</td>
<td>11</td>
</tr>
<tr>
<td>Reservoir Percent Full - Daily &lt;br&gt;Ivins Reservoir-Washington County (UT)</td>
<td>12.7%</td>
<td>⬤</td>
<td>▲</td>
<td>55</td>
</tr>
</tbody>
</table>
Great Salt Lake South Arm Elevations

Record High: 4211.6
(06/03/1986)

Mean: 4200.62

Current level:
4192.7
03/31/2021

Record Low: 4191.4
(10/15-11/11/1963)

Agency - Division of Water Resources w/ USGS data
Presenter - Laura Haskell
Weather Forecast Office Utah Day 1-7 Outlook

- Temperatures slightly above climatological normals, near normal for a few days
- Well below normal precipitation forecast
Weather Prediction Center U.S. Day 3-7 Hazards Outlook

Agency - National Weather Service Weather Forecast Office
Presenter - Glen Merrill
Climate Prediction Center U.S. Week-2 Hazards Outlook

Day 8-14 U.S. Hazards Outlook
Valid: 04/13/2021-04/19/2021

No Hazards Posted

Climate Prediction Center
Made: 04/05/2021 3PM EDT

Agency - National Weather Service Weather Forecast Office
Presenter - Glen Merrill
Colorado Basin River Forecast Center - April 1, 2021 Water Supply Forecasts

Median Forecast in KAF for Basins within Utah:

- Weber 35%
- Bear 50%
- Six Creeks 35%
- Utah Lake 40%
- Duchesne 45%
- Sevier 45%
- Virgin 25%
- Lower Green River 45%
- San Juan 50%
- Lake Powell 45%

Agency - CBRFC
Presenter - Brent Bernard
With 90% of the state experiencing extreme drought, Gov. Spencer J. Cox’s recent Executive Order declaring a state of emergency due to drought conditions, and the irrigation season right around the corner there’s no better time to cover proper lawn watering practices and get homeowners off to a great start this watering season. This free event will take place via Zoom on Tuesday, April 13th @ 2pm. Registration required.

Registration: https://usu-edu.zoom.us/webinar/register/8616166902314/WN_Qlc92KJORYedS-6VRGMkQw