

Utah Water Conditions Monitoring (Drought Webinar)

The meeting will begin shortly











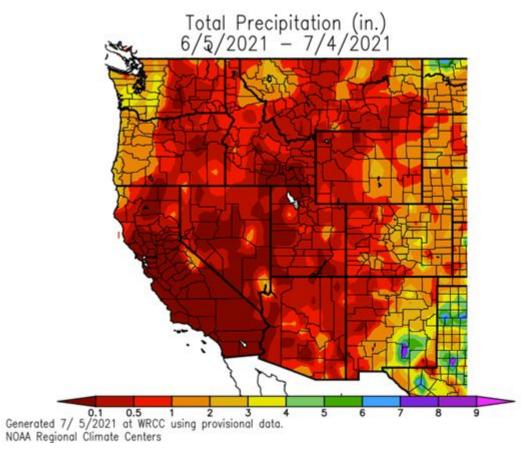




Utah Drought Monitor Webinar

July 7, 2021

Precipitation 30-day history

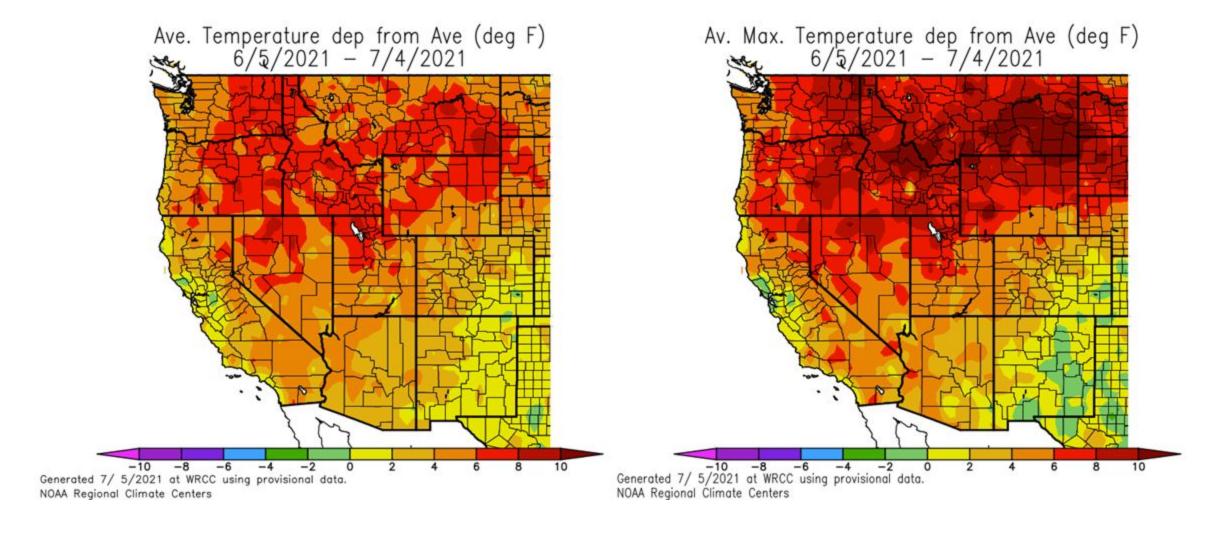


Percent of Average Precipitation (%) 6/5/2021 - 7/4/2021 rerated 7/ 5/2021 at WRCC using provisional data.

A Regional Climate Centers 125 200 100

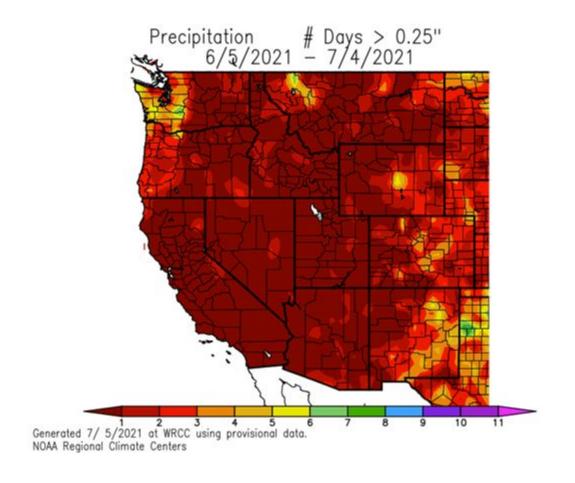
Agency - Utah Climate Center Presenter - Jon Meyer

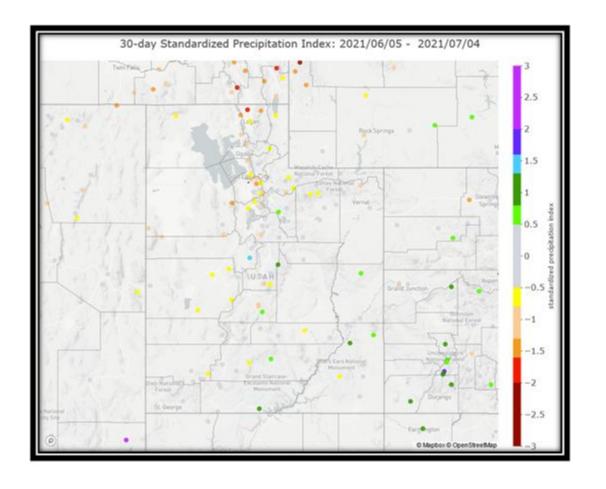
Temperature 30-day



Agency - Utah Climate Center Presenter - Jon Meyer

June's Precipitation Summary

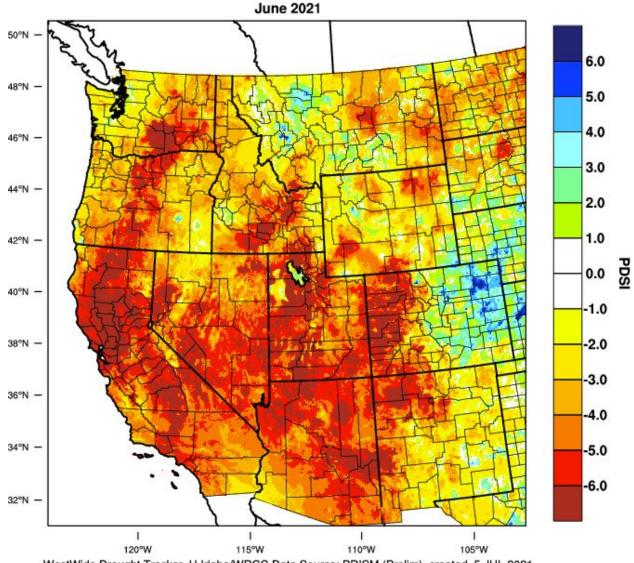




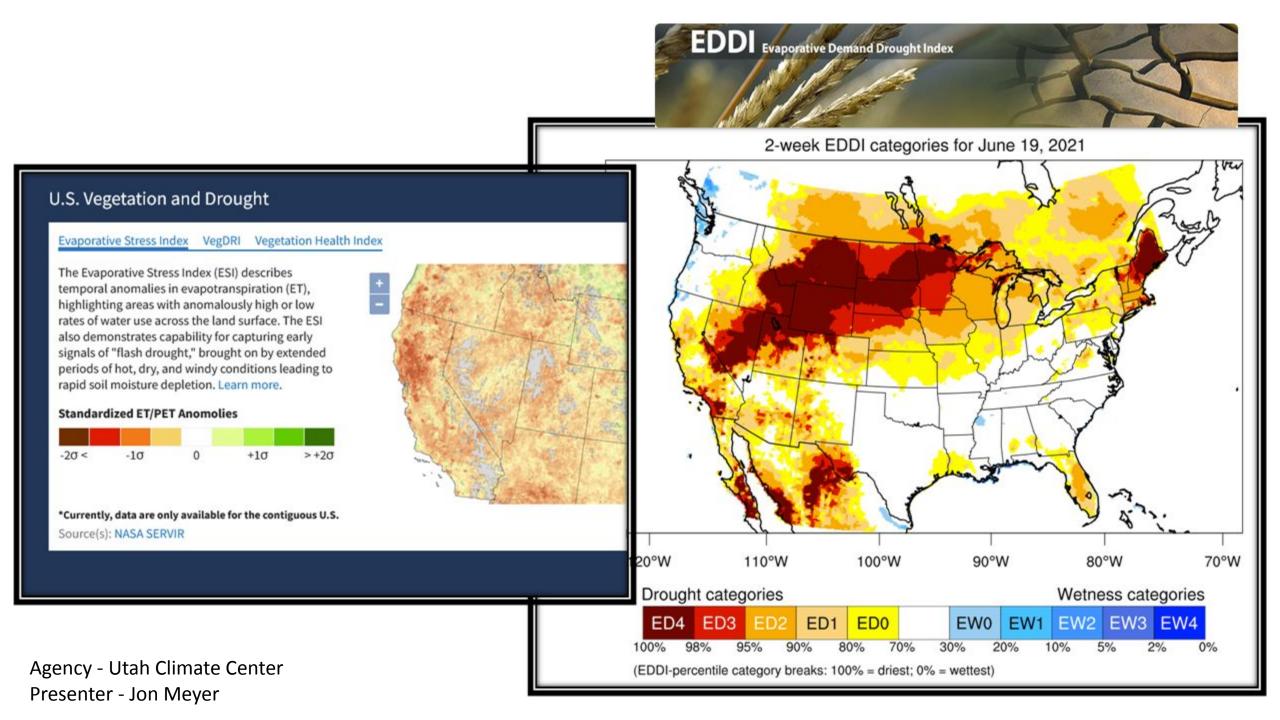
Agency - Utah Climate Center Presenter - Jon Meyer

June's Palmer Drought Severity Index

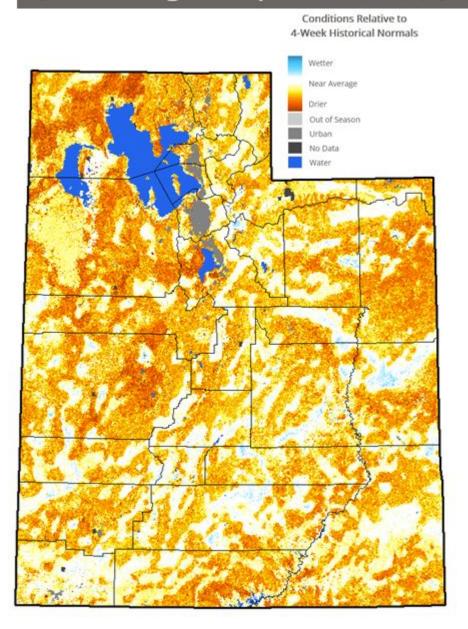
Western United States - PDSI

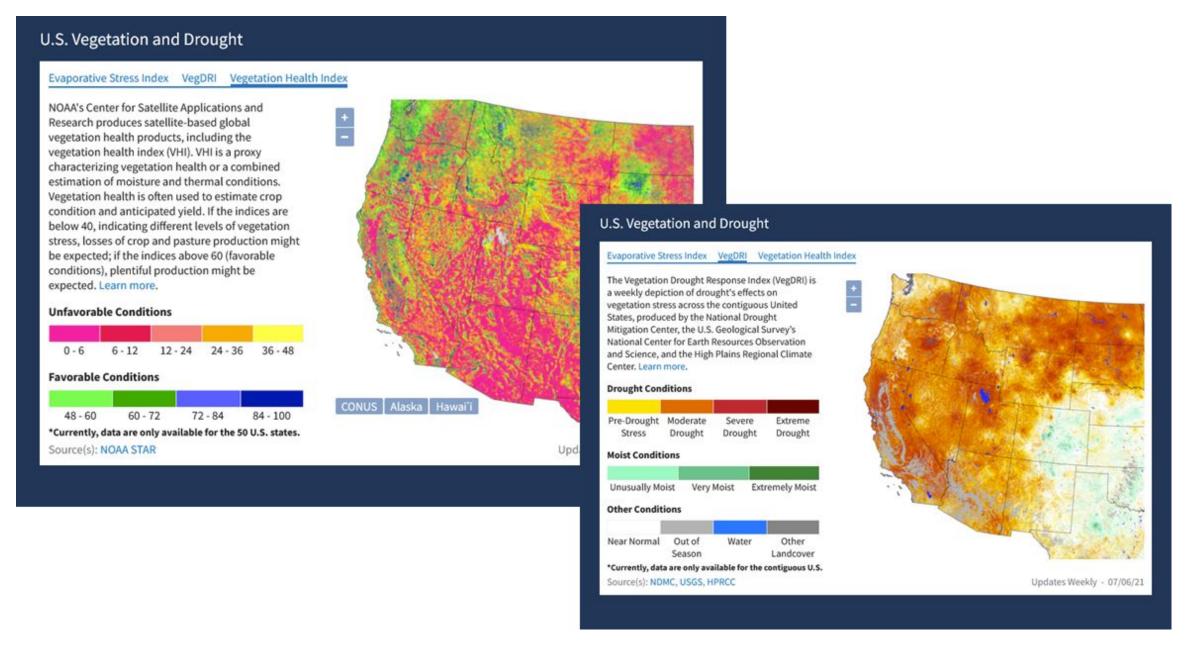


WestWide Drought Tracker, U Idaho/WRCC Data Source: PRISM (Prelim), created 5 JUL 2021



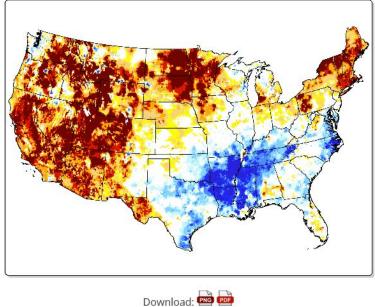
Quick Drought Response Index (QuickDRI)





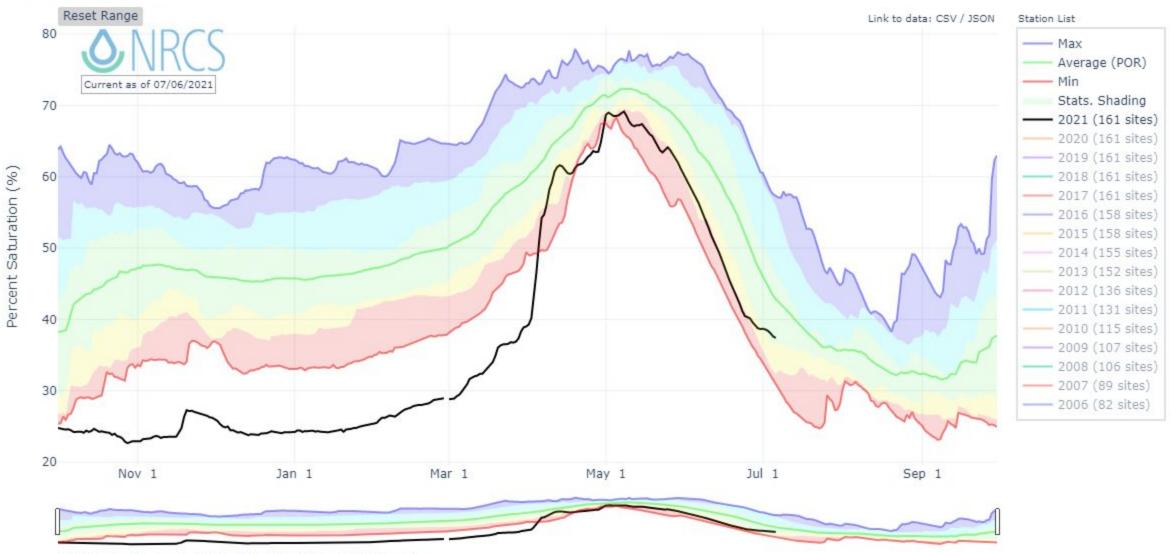
GRACE-Based Root Zone Soil Moisture Drought Indicator July 05, 2021 ess percentiles are relative to the period 1948-2012 ootzone is defined as the top 1 meter of soil Resolution D 125 degrees Projection of this document is Lambert Azimuthal Equal Area Wetness Percentile https://nasagrace.unl.edu

Root Zone Soil Moisture Percentile



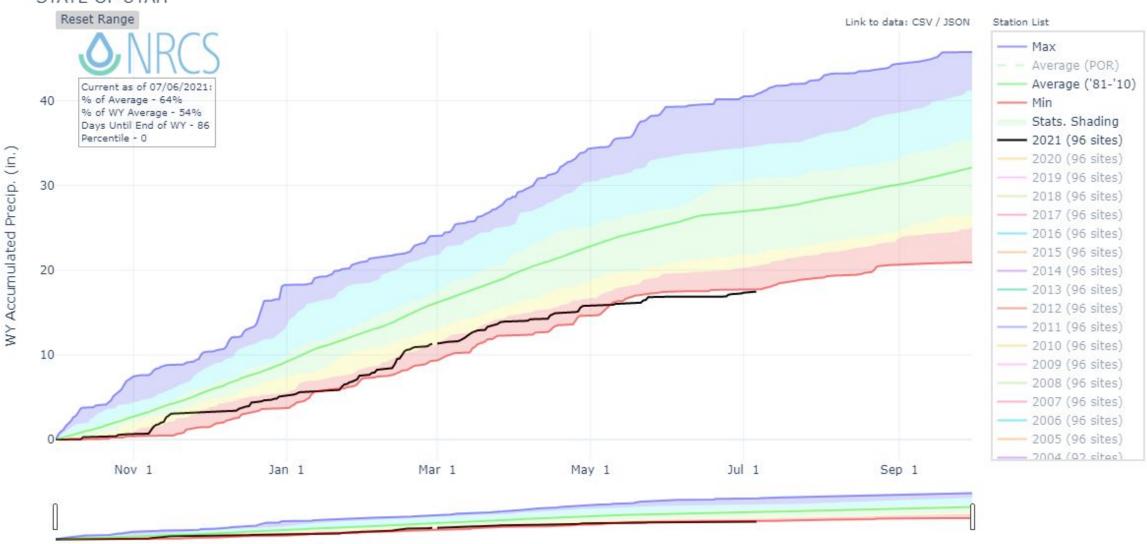
Agency - Utah Climate Center Presenter - Jon Meyer

DEPTH AVERAGED SOIL SATURATION IN STATE OF UTAH



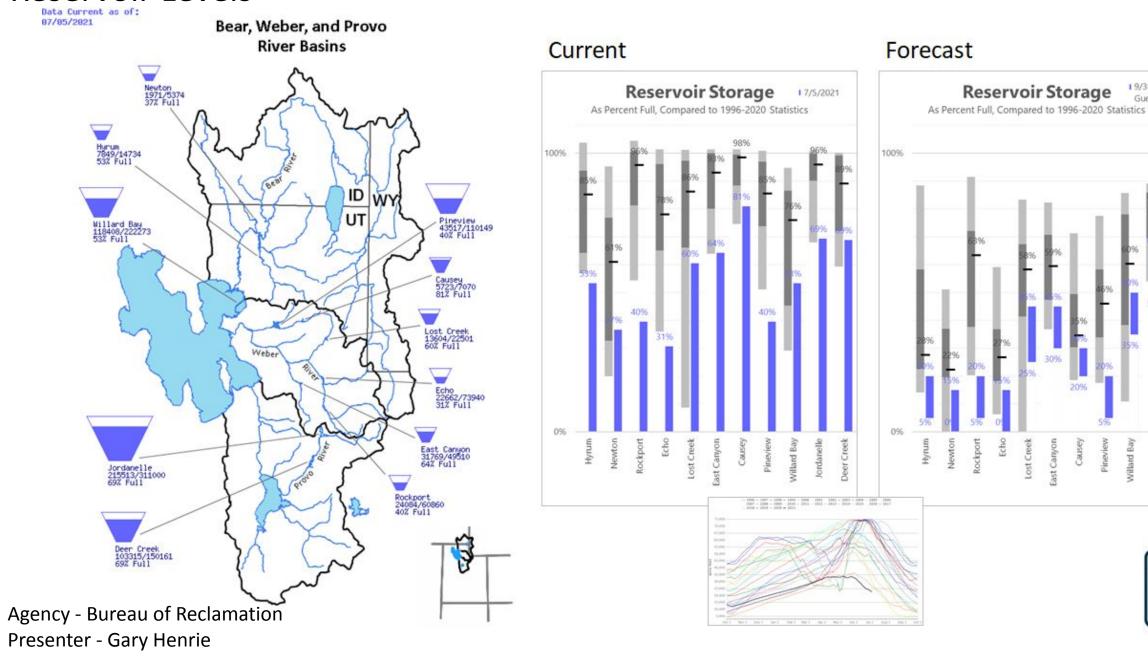
Statistical shading breaks at 10th, 30th, 50th, 70th, and 90th Percentiles. For more information visit: 30 year normals calculation description.

PRECIPITATION IN STATE OF UTAH



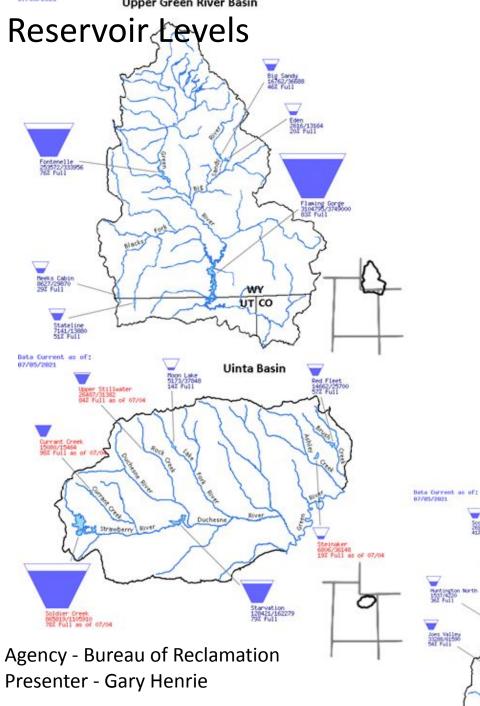
Statistical shading breaks at 10th, 30th, 50th, 70th, and 90th Percentiles. For more information visit: 30 year normals calculation description.

Reservoir Levels

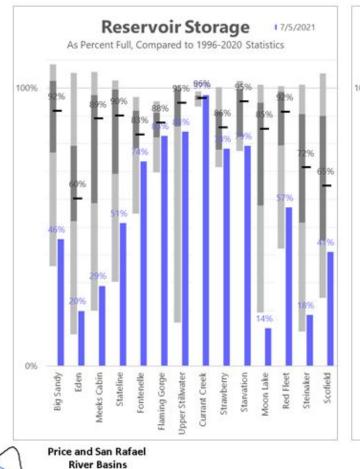


19/30/2021

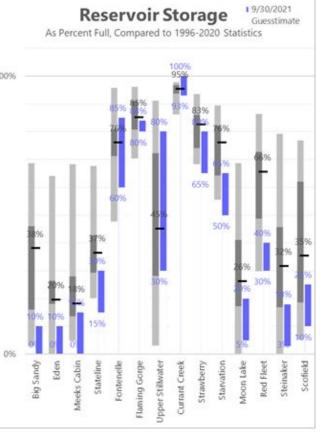
Bata Current as of: 87/85/2821 Upper Green River Basin



Current



Forecast

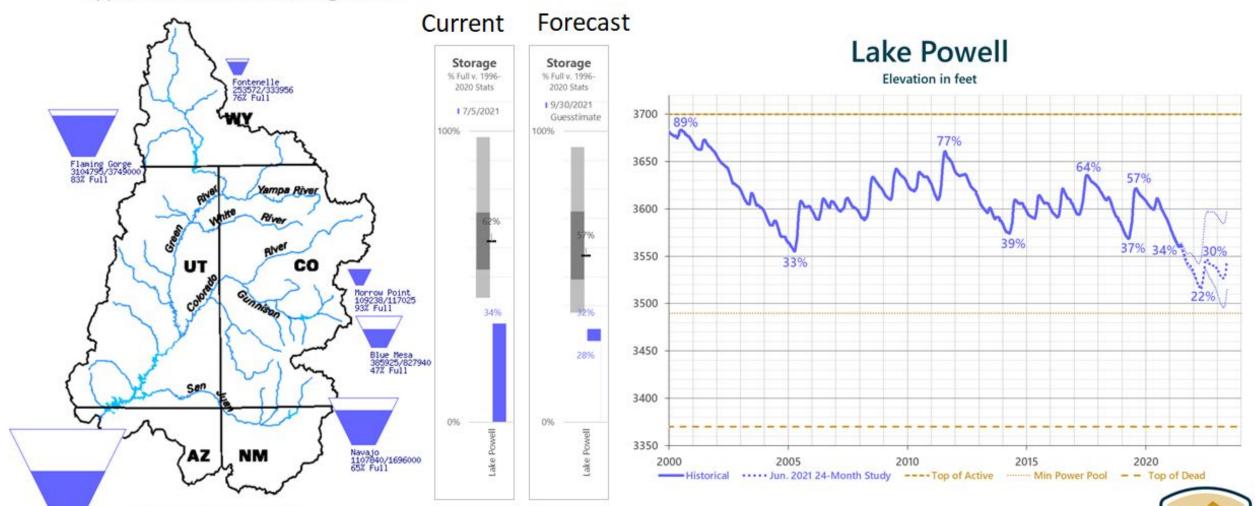




Reservoir Levels

Data Current as of: 07/05/2021

Upper Colorado River Drainage Basin



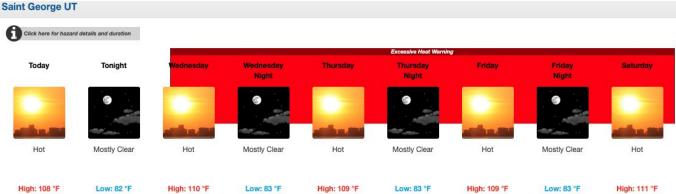
Agency - Bureau of Reclamation Presenter - Gary Henrie

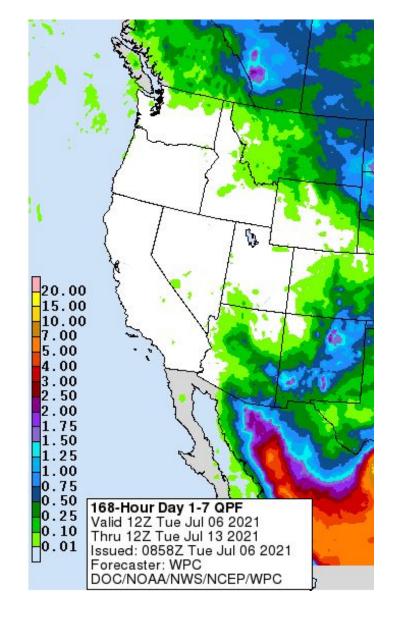
Drainage Area 107,838 Square Miles

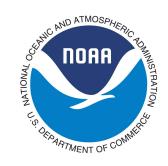
Lake Powell 8270733/24322000 34% Full

Weather Forecast Office Utah Day 1-7 Outlook



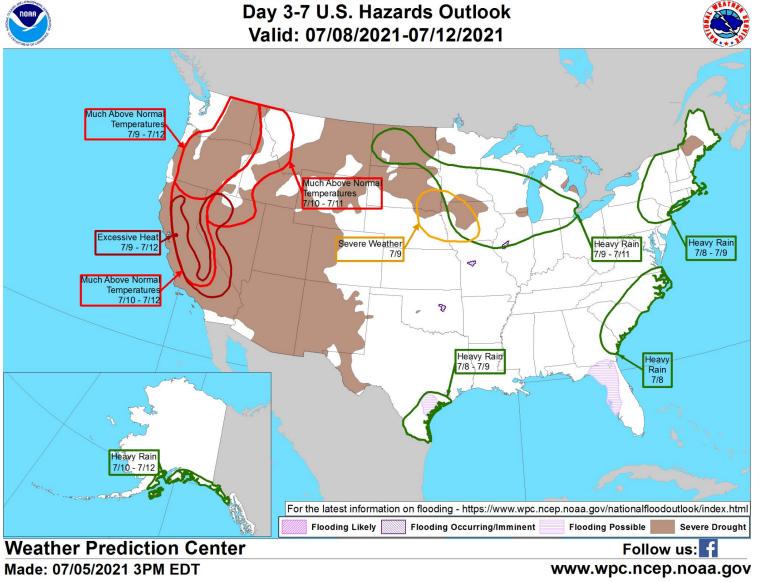


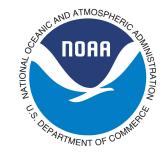




Agency - National Weather Service Weather Forecast Office Presenter - Glen Merrill

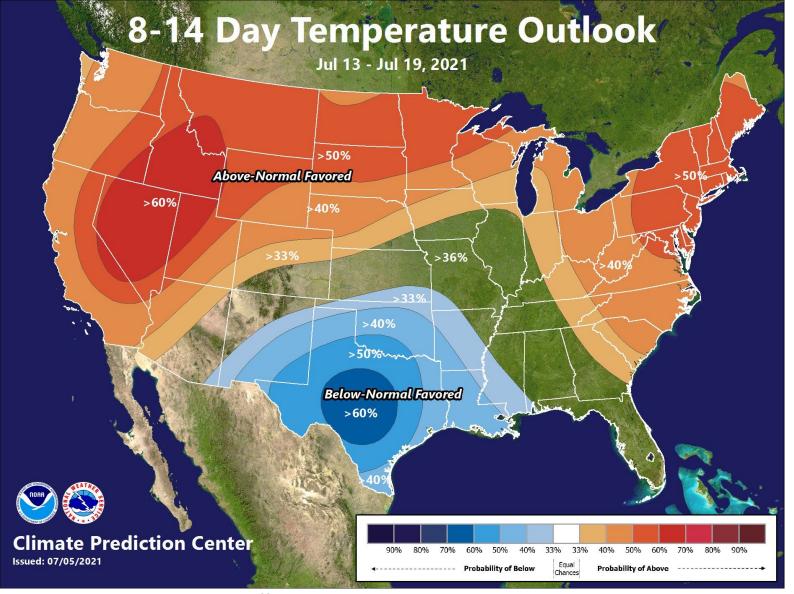
Weather Prediction Center U.S. Day 3-7 Hazards Outlook





Agency - National Weather Service Weather Forecast Office Presenter - Glen Merrill

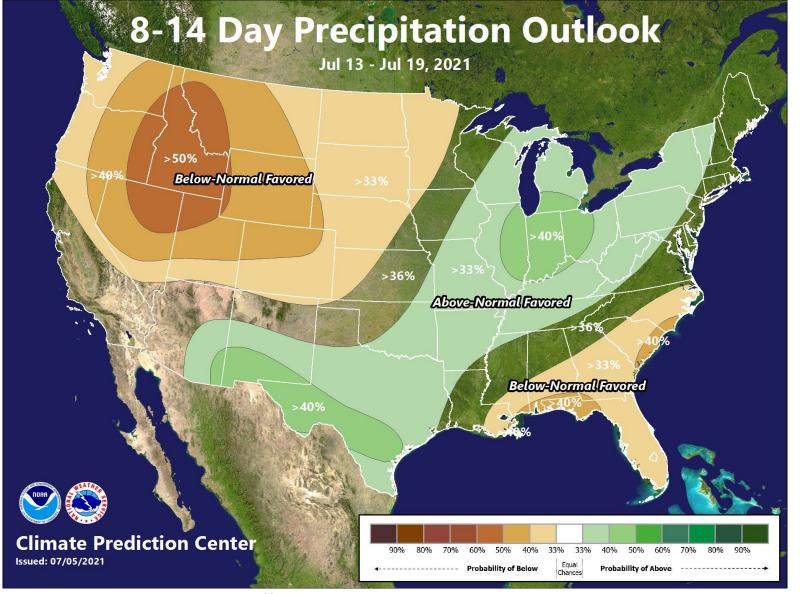
Climate Prediction Center 8 to 14 Day Outlooks - Temperature





Agency - National Weather Service Weather Forecast Office Presenter - Glen Merrill

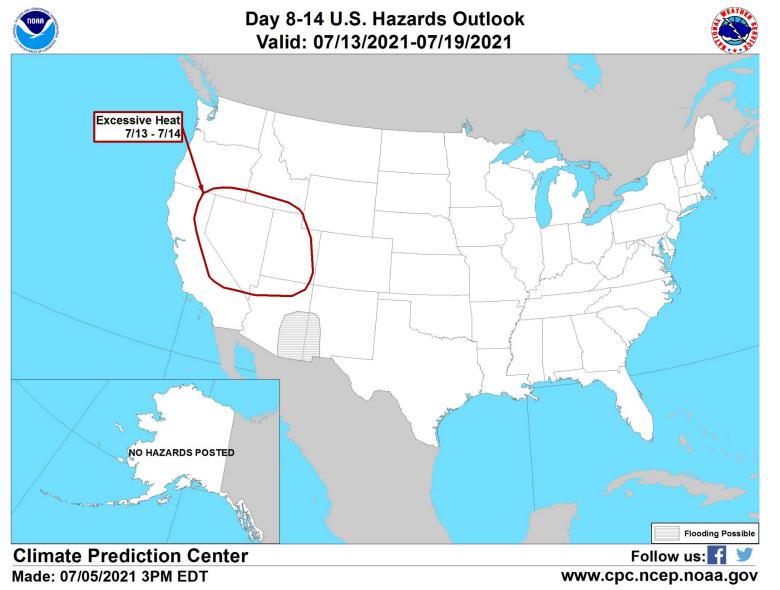
Climate Prediction Center 8 to 14 Day Outlooks - Precipitation

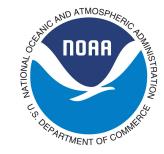




Agency - National Weather Service Weather Forecast Office Presenter - Glen Merrill

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



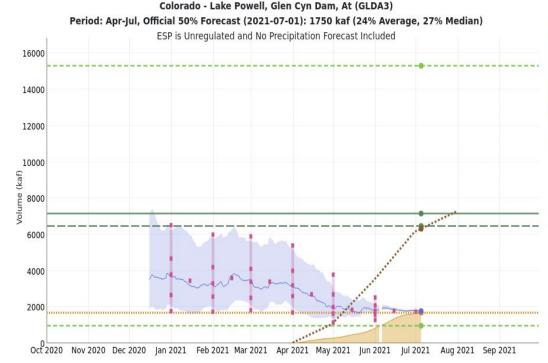


CBRFC/NOAA - 2021 Water Supply Forecasts / Runoff

A-J WS Vol Fcsts plus June Flows, as % of Average

Summary of conditions at:

Weber Headwater 40%, 25% Bear Headwater 50%, 30% 40%, 20% Six Creeks LD Resv Utah Lake 25%, 30% 30%, 25% Sevier - Hatch Green River FG 36%, 38% San Juan Bluff 43%, 38% Lake Powell 25%, 30%



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2021/07/05:

Max 1984: 15316.11 Min 2002: 963.96 Average: 7160 Median: 6470

Observed Accumulation: 1690

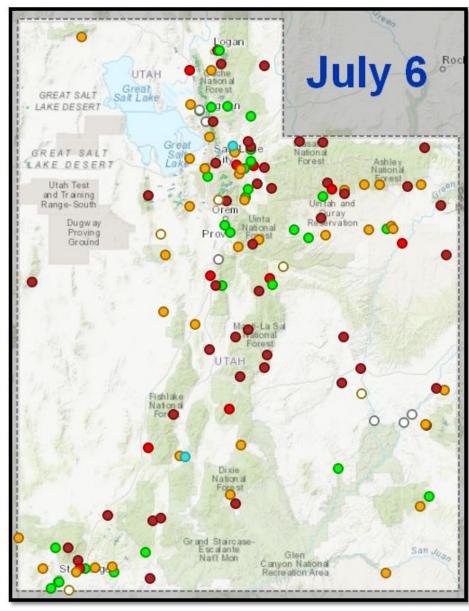
Observed Total: 1690

Normal Accumulation: 6320

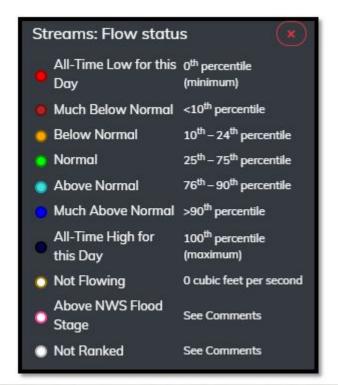
ESP: 1770

Near to or just above record low volumes for April - July Period across the whole of Utah, especially in lower elevation drainages.

Current Streamflows



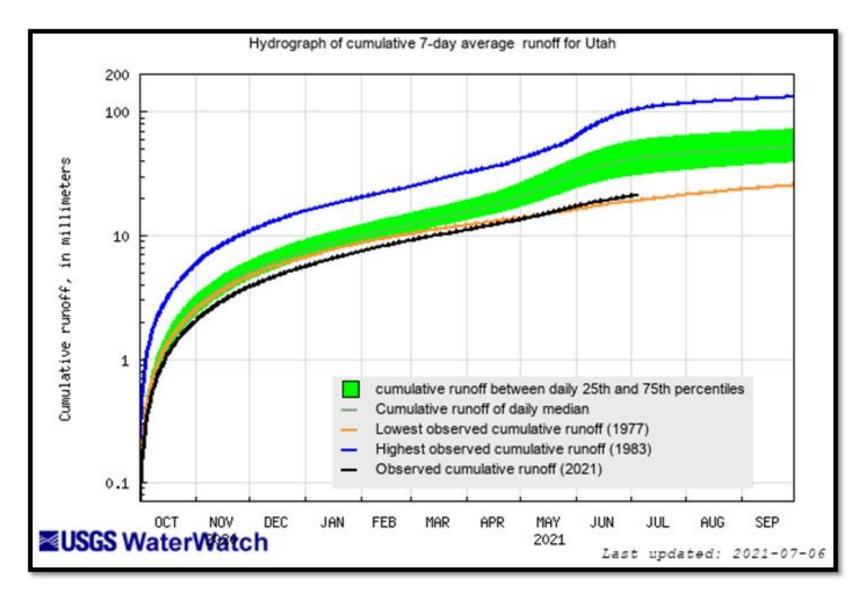
Agency - U.S. Geological Survey Presenter - Ryan Rowland



Streamflow Summary			
STATION COUNTS BY	FLOW	STATUS	
All-time low for this day-of-year	11	8.3%	
Much below normal for this day-of-year	43	32.3%	
Below normal for this day-of-year	36	27.1%	
Normal for this day-of-year	30	22.6%	
Above normal for this day-of-year	2	1.5%	
Much above normal for this day-of-year	0	0.0%	
All-time high for this day-of-year	0	0.0%	
Not ranked - insufficient record	11	8.3%	



Statewide Cumulative Streamflow

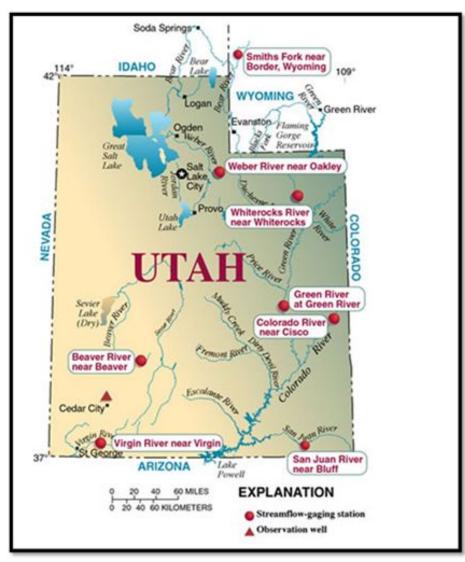


Cumulative
7-day
average
runoff for
water year
2021 is
near the
lowest on
record

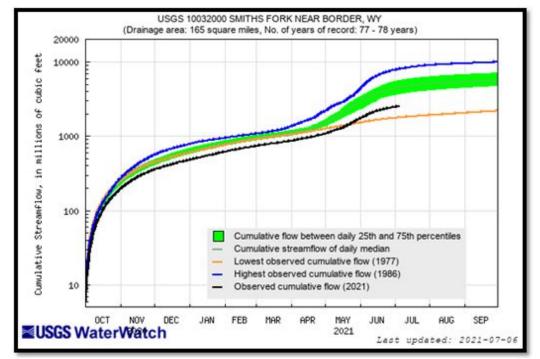


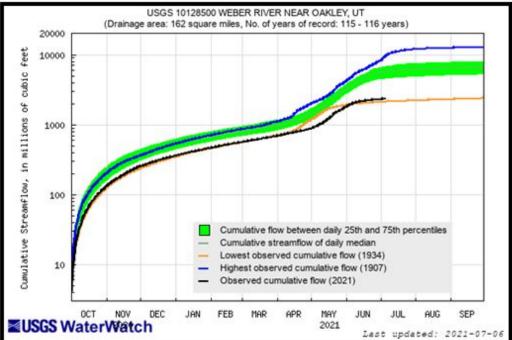


Cumulative Streamflow at Long Term Sites



Agency - U.S. Geological Survey Presenter - Ryan Rowland





Today: 172 cfs

Mean daily: 368

cfs

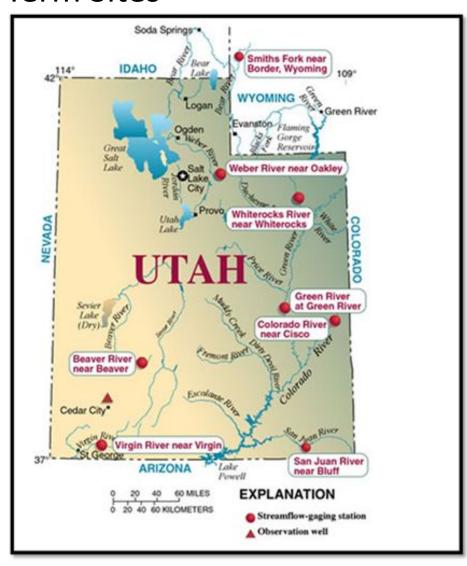
Today: 73.9 cfs

Mean daily: 383

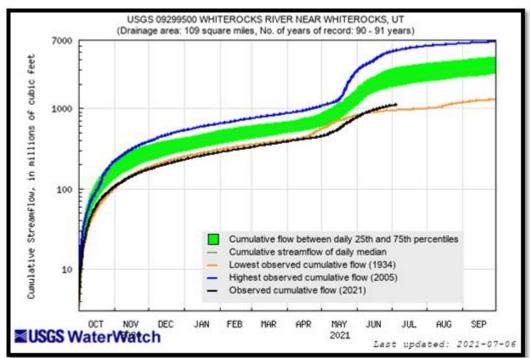
cfs

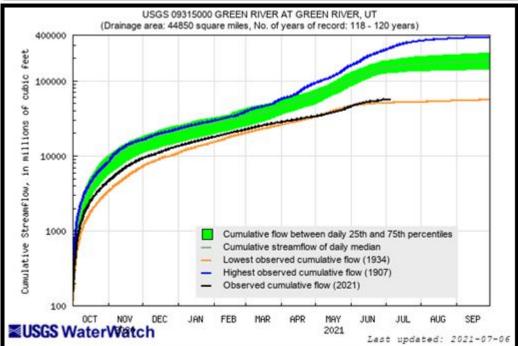


Cumulative Streamflow at Long Term Sites



Agency - U.S. Geological Survey Presenter - Ryan Rowland





Today: 92.6 cfs

Mean daily: 216

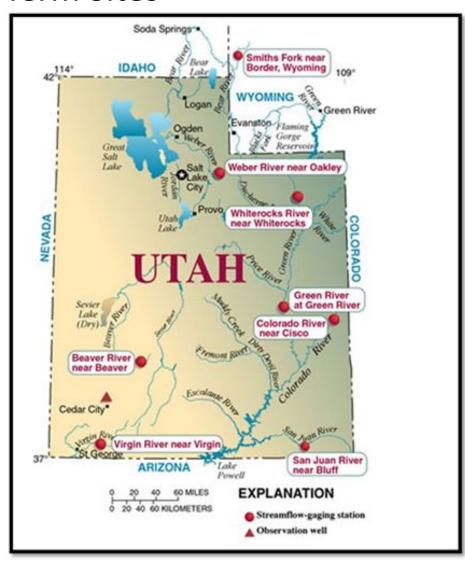
cfs

Today: 1,910 cfs

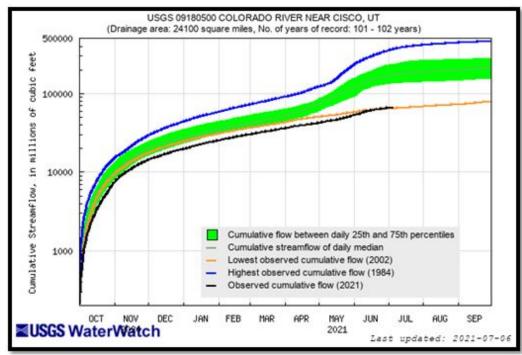
Mean daily: 10,400 cfs

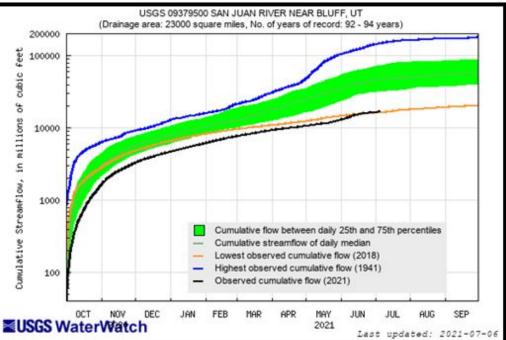


Cumulative Streamflow at Long Term Sites



Agency - U.S. Geological Survey Presenter - Ryan Rowland





Today: 2,760 cfs

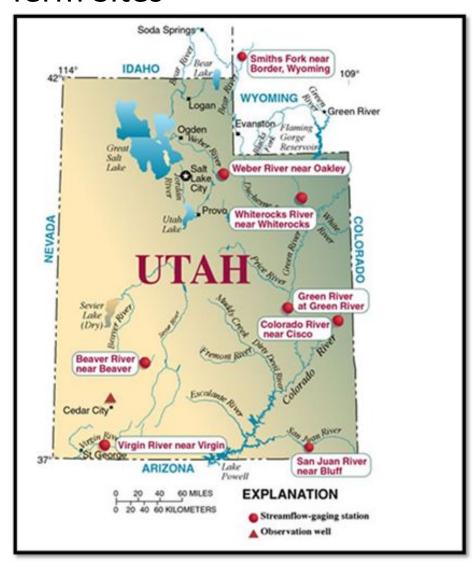
Mean daily: 11,600 cfs

Today: 713 cfs

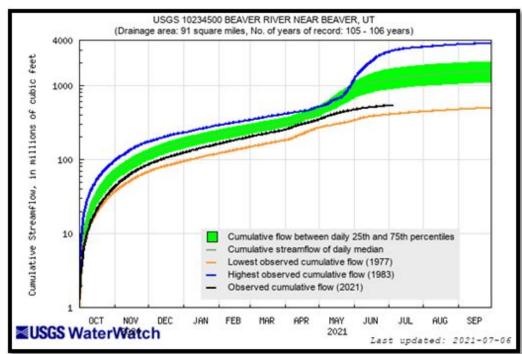
Mean daily: 2,819 cfs

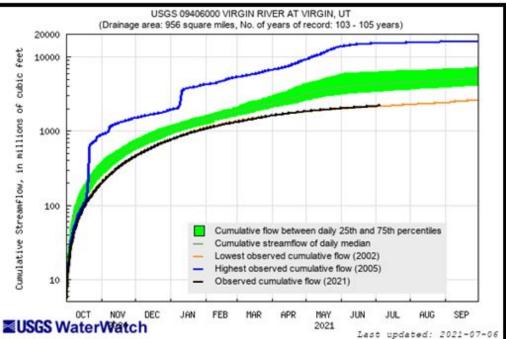


Cumulative Streamflow at Long Term Sites



Agency - U.S. Geological Survey Presenter - Ryan Rowland





Today: 9.2 cfs

Mean daily:

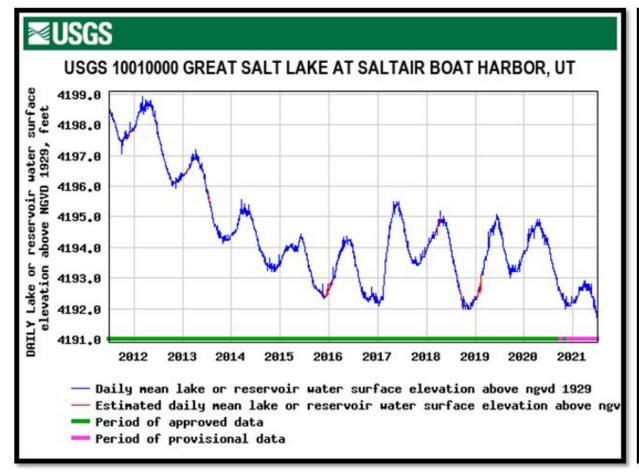
75 cfs

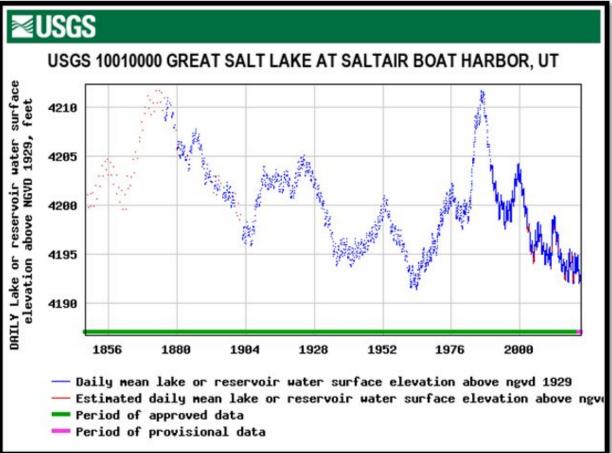
Today: 57.9 cfs

Mean daily: 90 cfs



Great Salt Lake Water Surface Elevation at Saltair





Today 4,191.7'

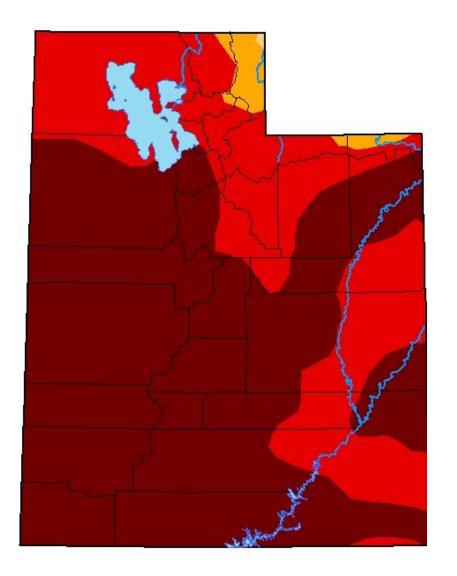
Historic low 4,191.35' (1963)



U.S. Drought Monitor Utah

June 29, 2021

(Released Thursday, Jul. 1, 2021) Valid 8 a.m. EDT



Intensity:

None

D0 Abnormally Dry

D1 Moderate Drought

D2 Severe Drought

D3 Extreme Drought

D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to https://droughtmonitor.unl.edu/About.aspx

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droughtmonitor.unl.edu