



Utah Water Conditions (drought webinar)

The meeting will begin shortly



Thank you to our contributors





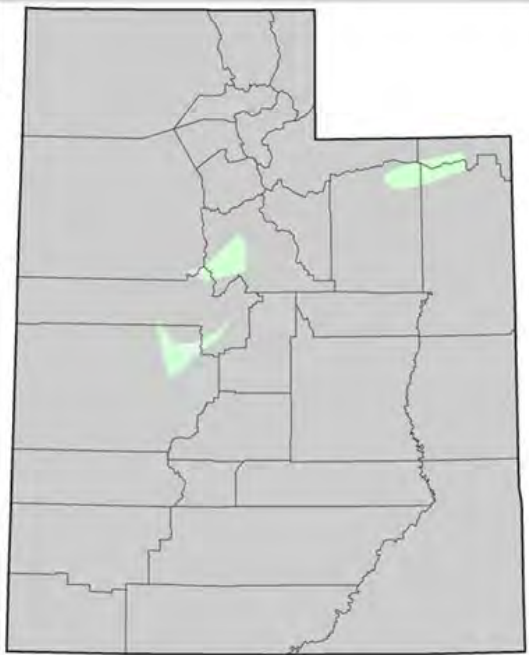
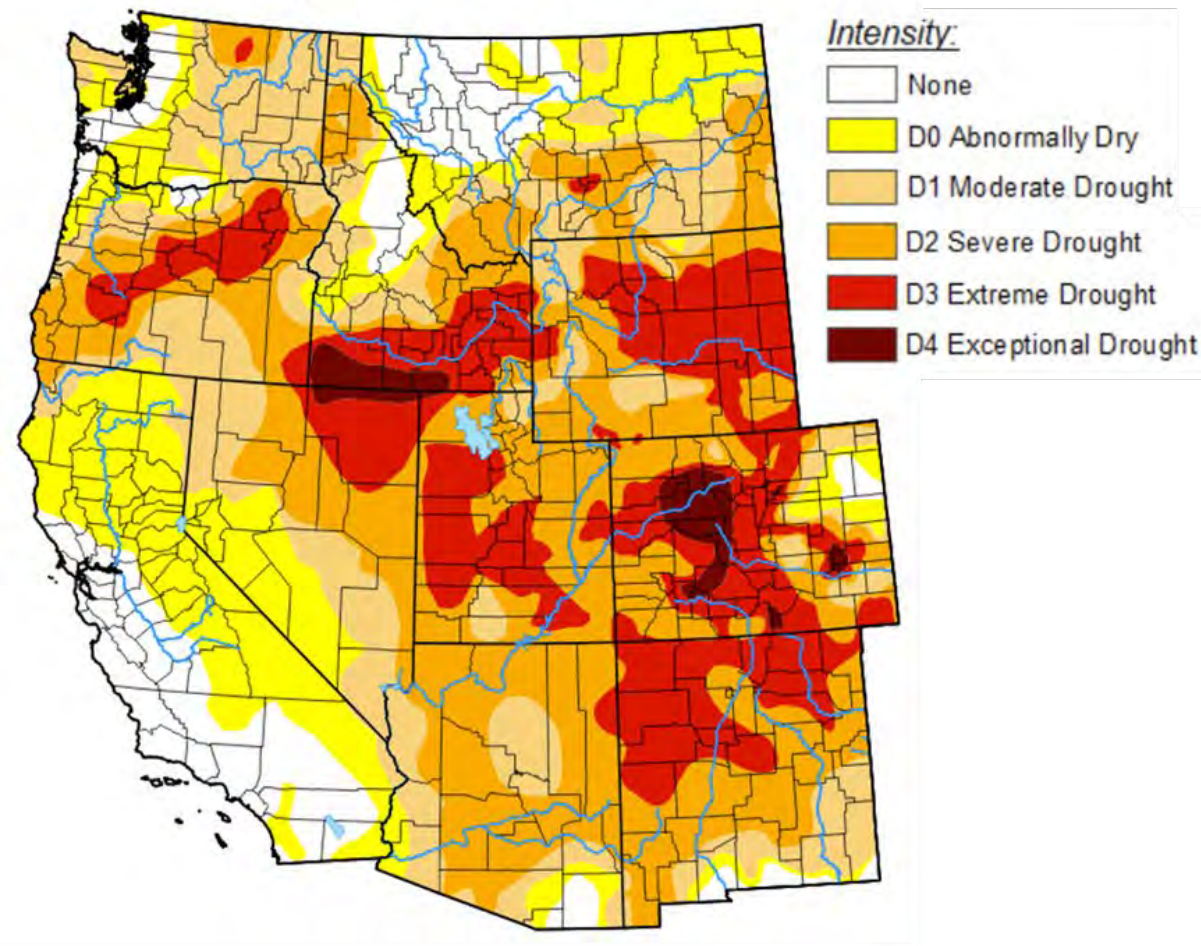
Utah Water Conditions Update

July 28, 2026

Drought Condition Summary

Map released: Thurs. July 23, 2026

Data valid: July 21, 2026 at 8 a.m. EDT



July 21, 2026
compared to
July 7, 2026

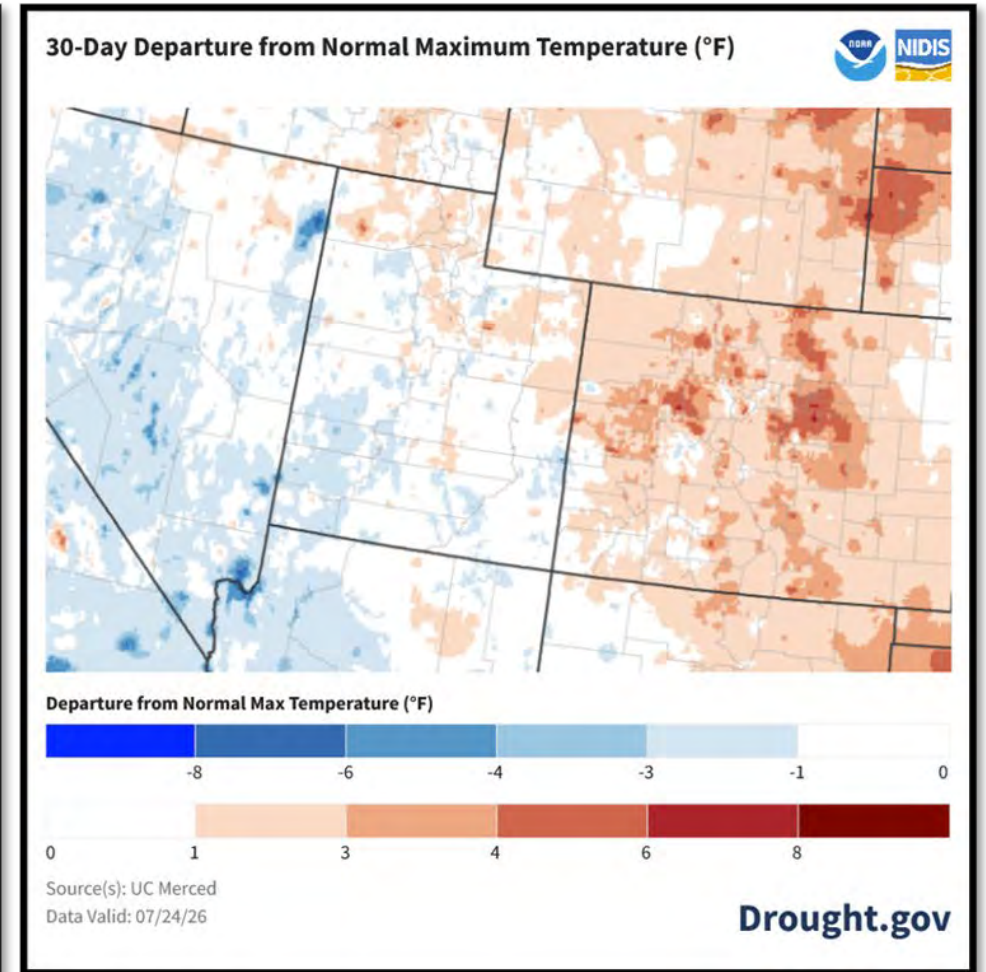
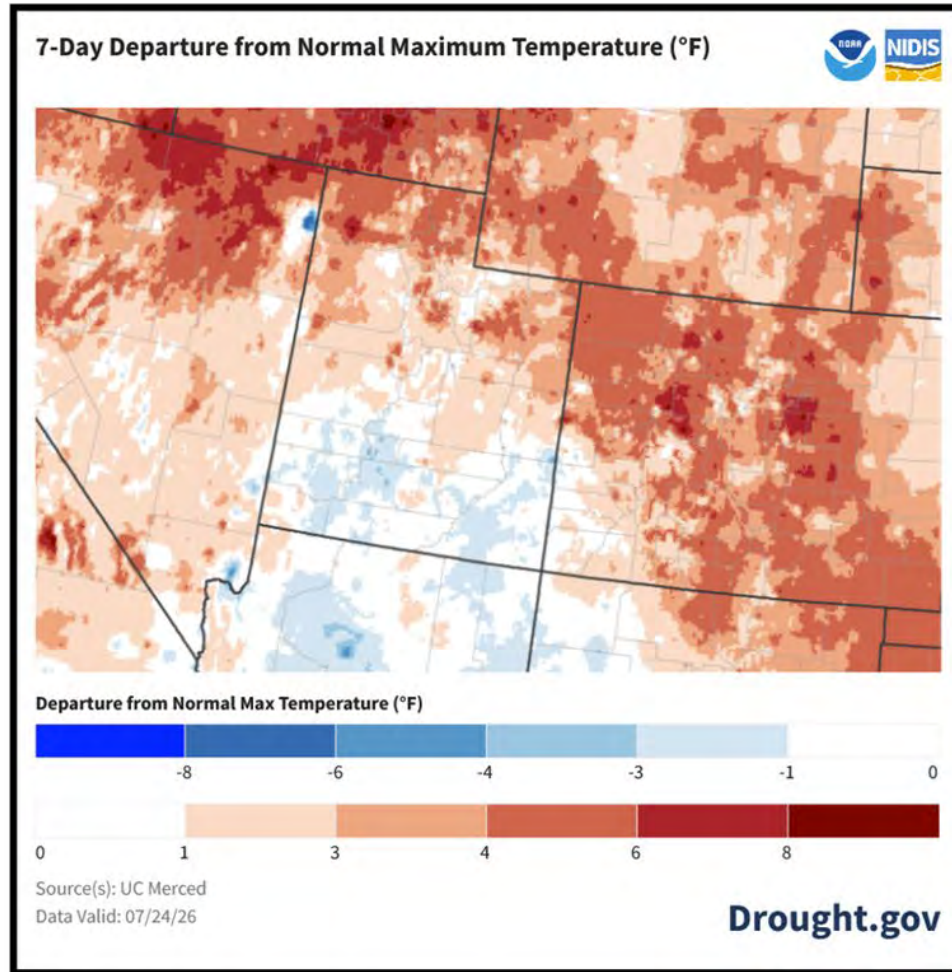


- 5 Class Degradation
- 4 Class Degradation
- 3 Class Degradation
- 2 Class Degradation
- 1 Class Degradation
- No Change
- 1 Class Improvement
- 2 Class Improvement
- 3 Class Improvement
- 4 Class Improvement
- 5 Class Improvement

Temperature Summary

Recent record heat up north has been balanced by monsoon humidity over the last month.

End of July is the climatologically hottest stretch of the year, so pushing larger positive warm anomalies becomes harder this time of year.

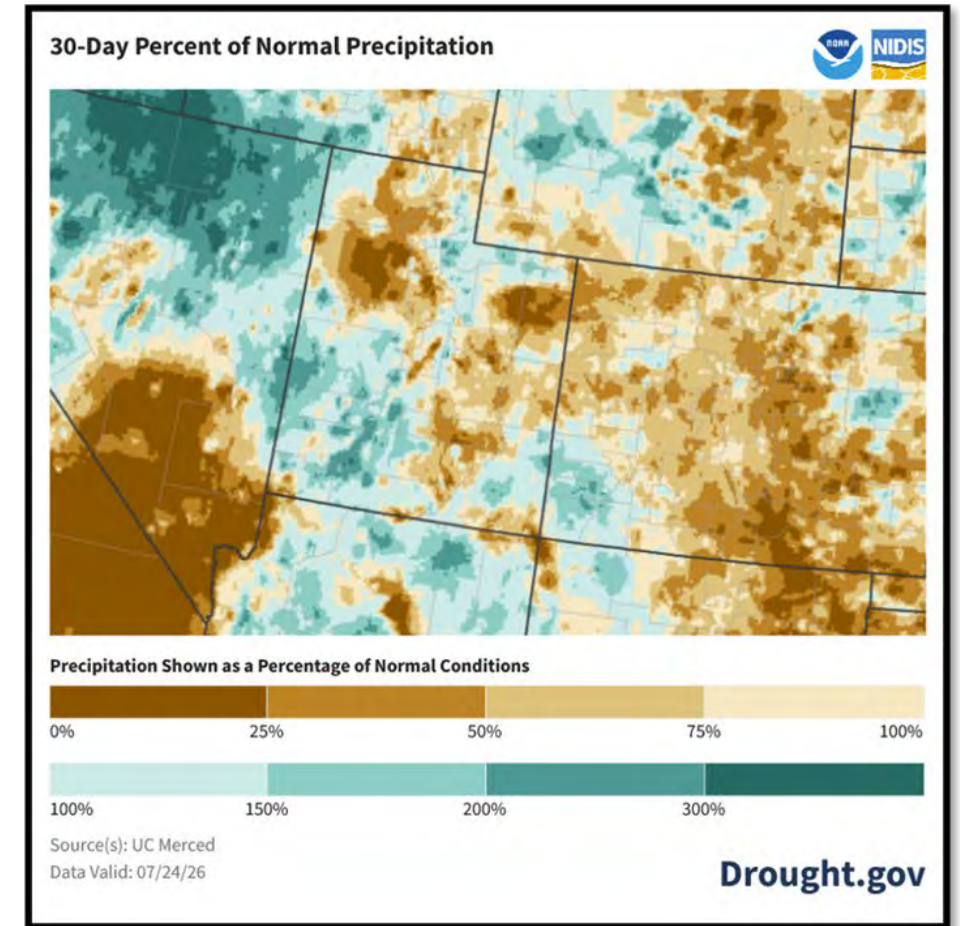
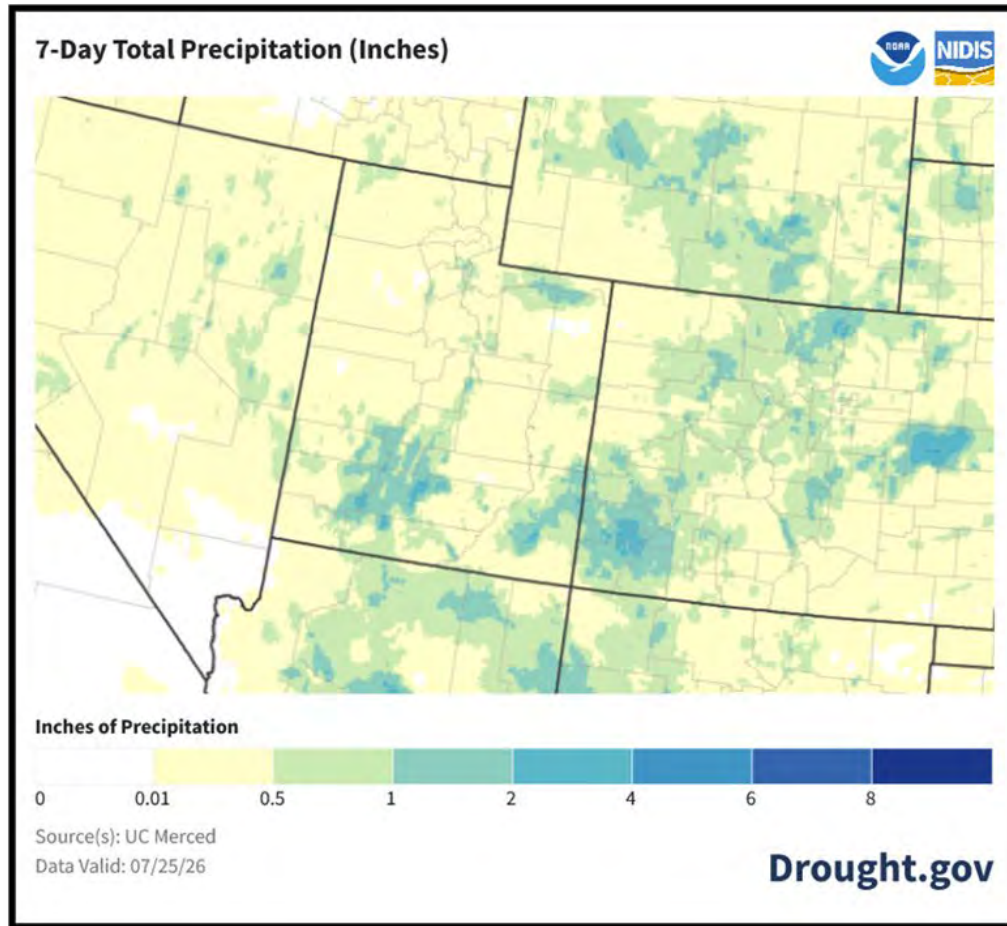


Precipitation Summary

Monsoon flooding impacts have grabbed headlines recently.

Hit or miss nature of summer storms always complicates the interpolated precip. datasets in Utah.

Northern portions of the state remain on the outside looking in for now.

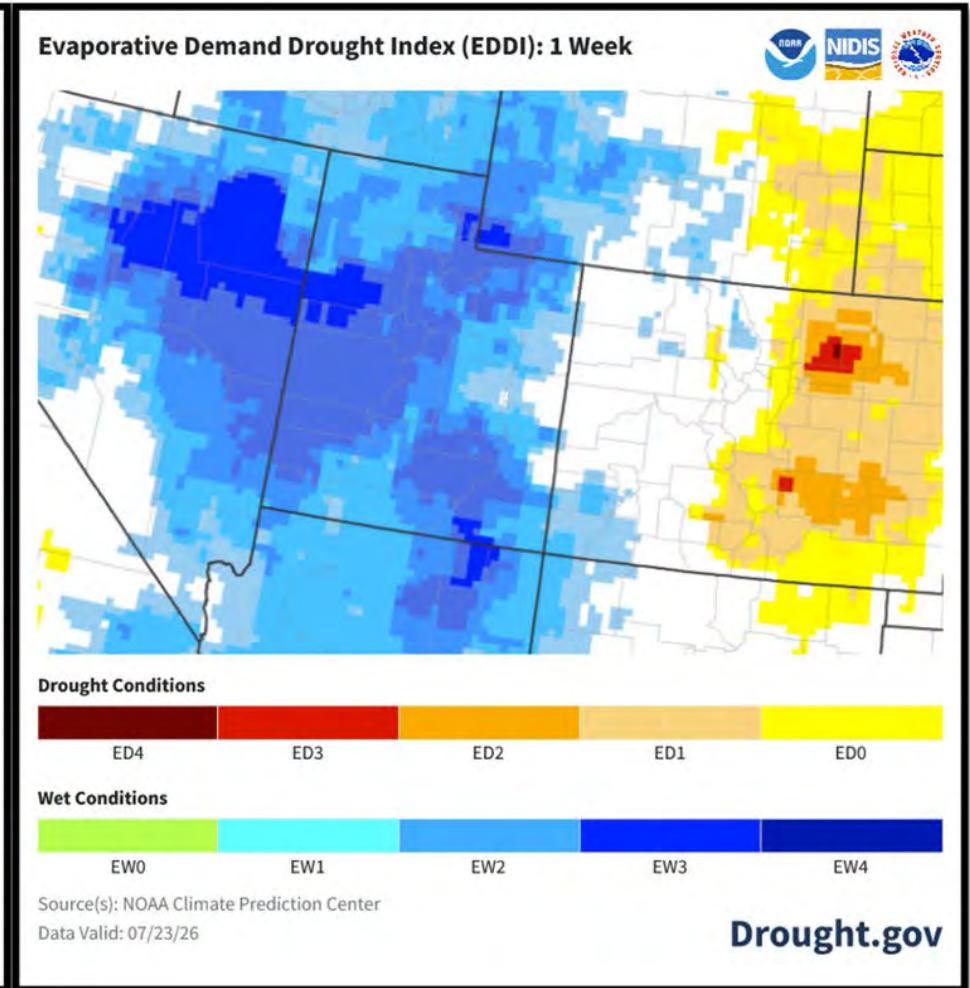
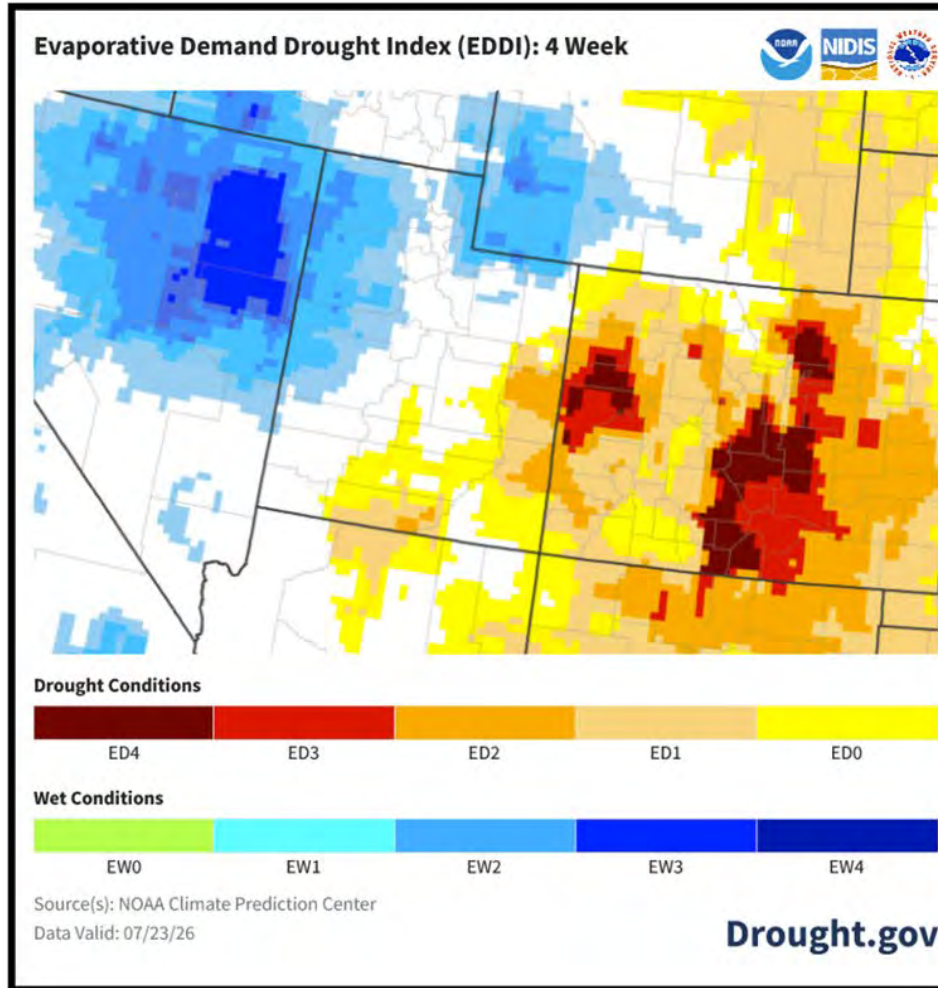


Recent Evaporative Demand

Evaporative demand peaks this time of year.

Presence of the monsoon cloud cover and humidity has helped reduce peak evaporite demand.

The “Muggy” humidity we’ve had is helping even if precip isn’t materializing.

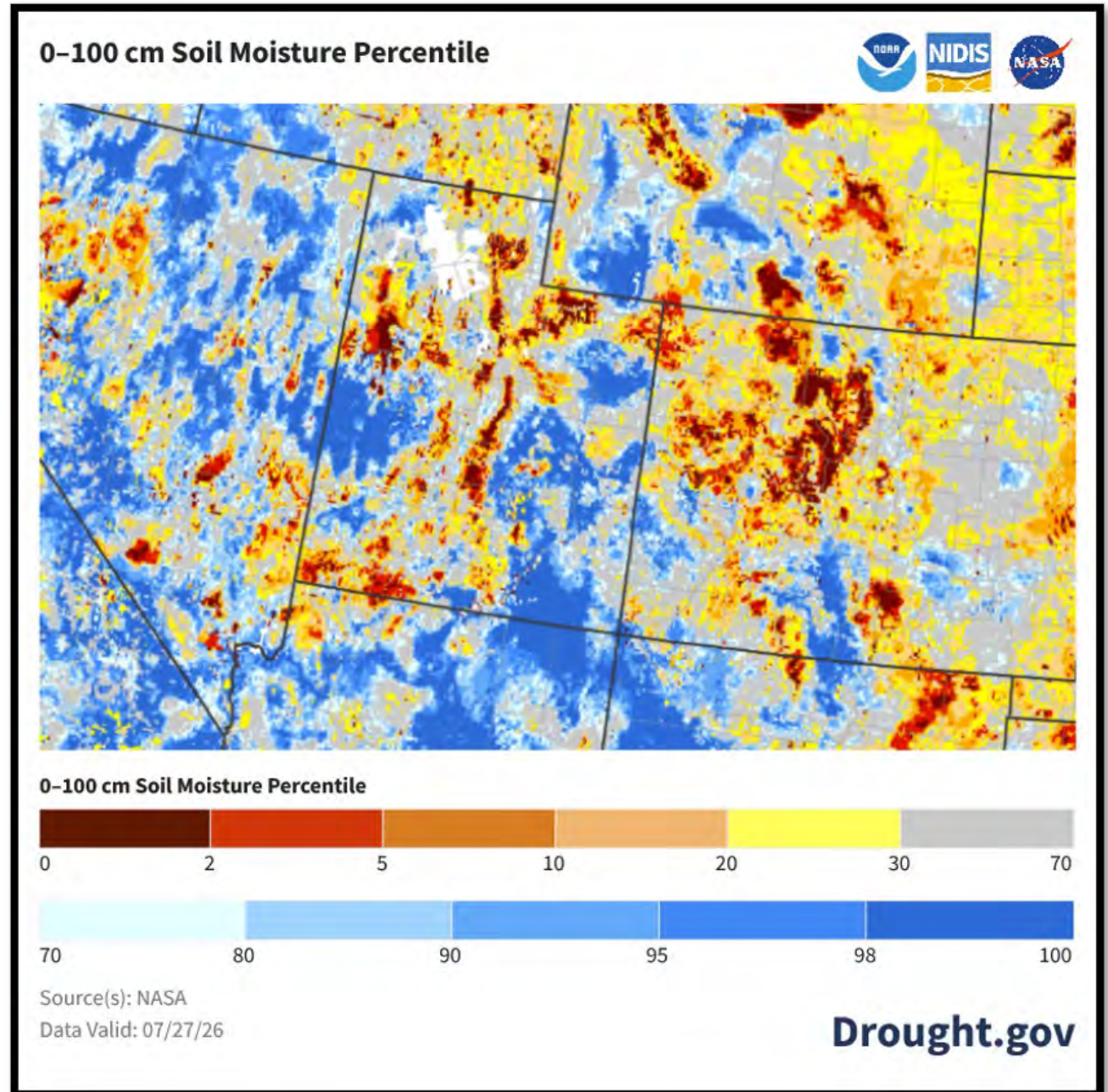


Soil Moisture Perspectives

Heavy precipitation under the localized storms will improve shallow soil moisture, but quick runoff limits how much soil moisture can infiltrate deeper into the soil column.

Shallow soil moisture also responds quickly to evaporative loss during clear days, so changes right now in soil moisture are highly superficial and variable.

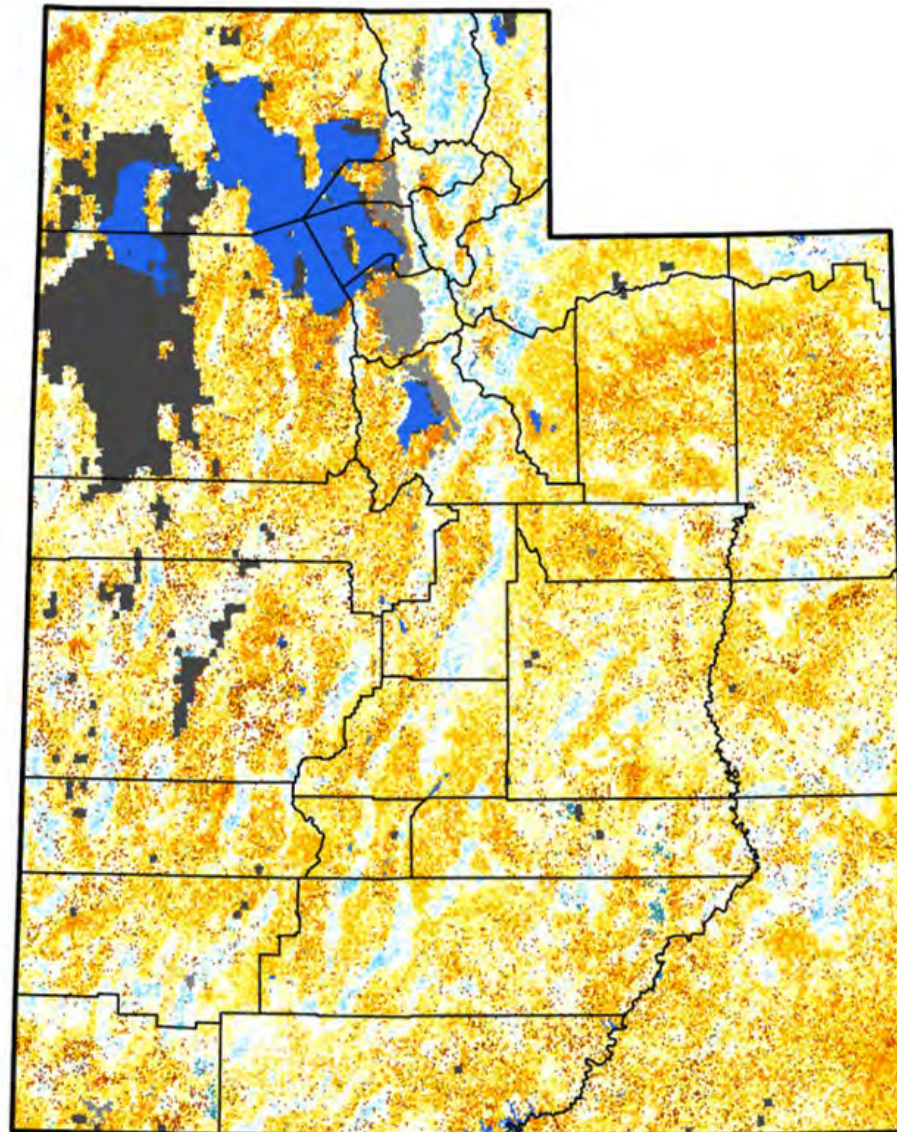
Better than no rainfall and continued evaporative loss!



Short-Term Drought Pressure (Quick Drought Response Index: Issued July 19th)

Short term drought pressure remains present but reduced in recent weeks.

The next update to the Quick-DRI product should expect to see further pull back in the severity.



*July 19, 2026
(Week 29)*

Conditions Relative to
4-Week Historical Average

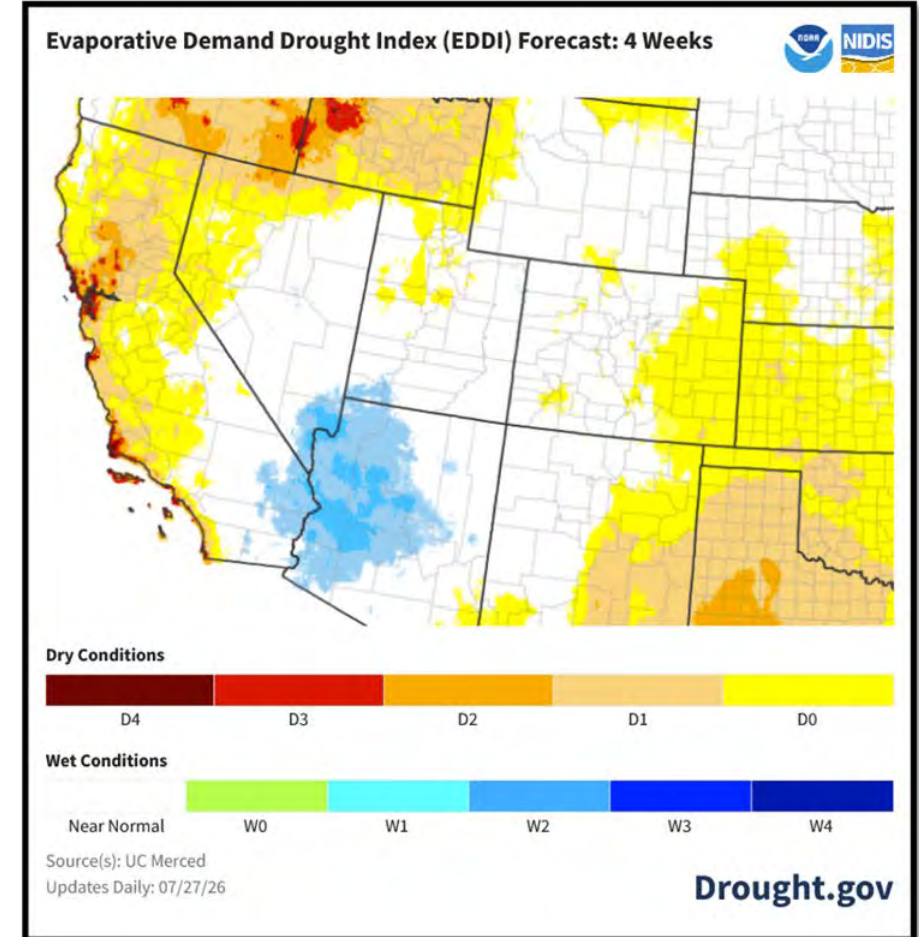
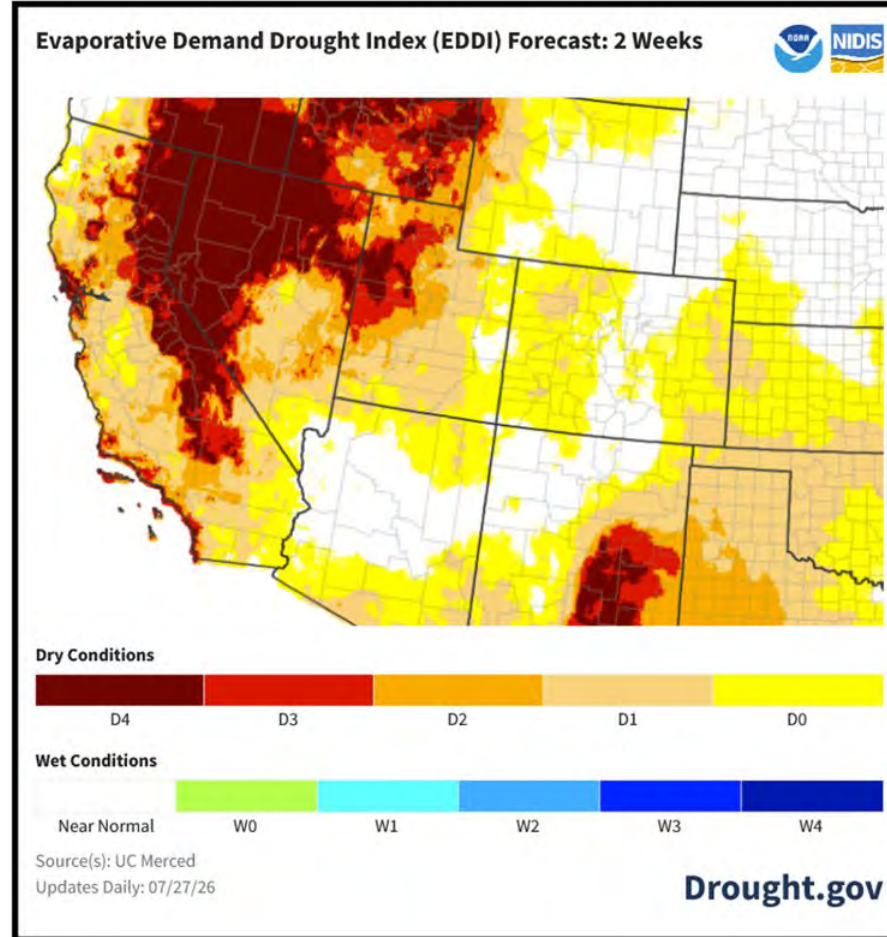


EDDI Outlook

Forecasts looking forward are highly variable and rely on the prediction of the position of the high pressure.

Uncertainty is always high during the summer weather pattern.

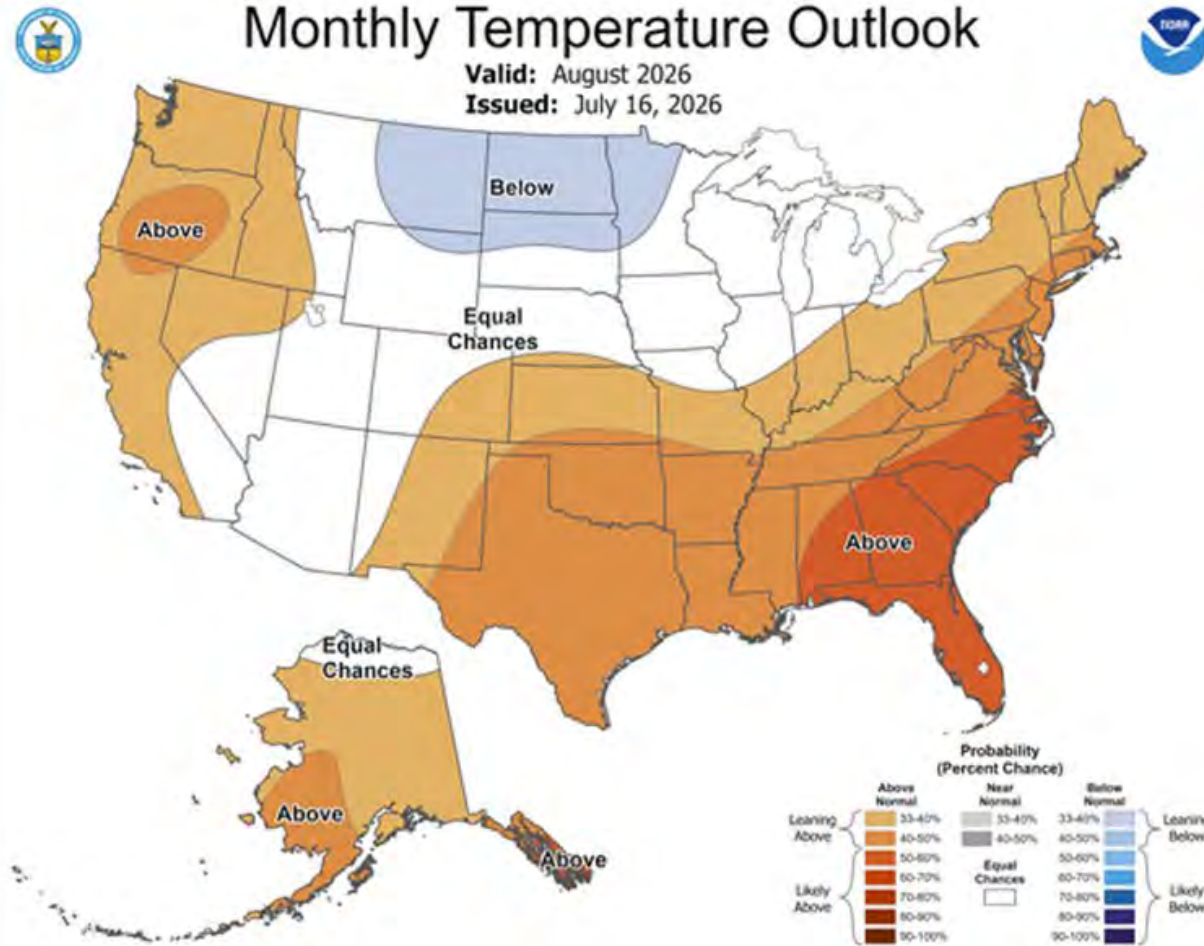
2-week outlook suggests limited monsoon action, with better outlooks over the 4-week window.



August Outlook (Issued July 16th)

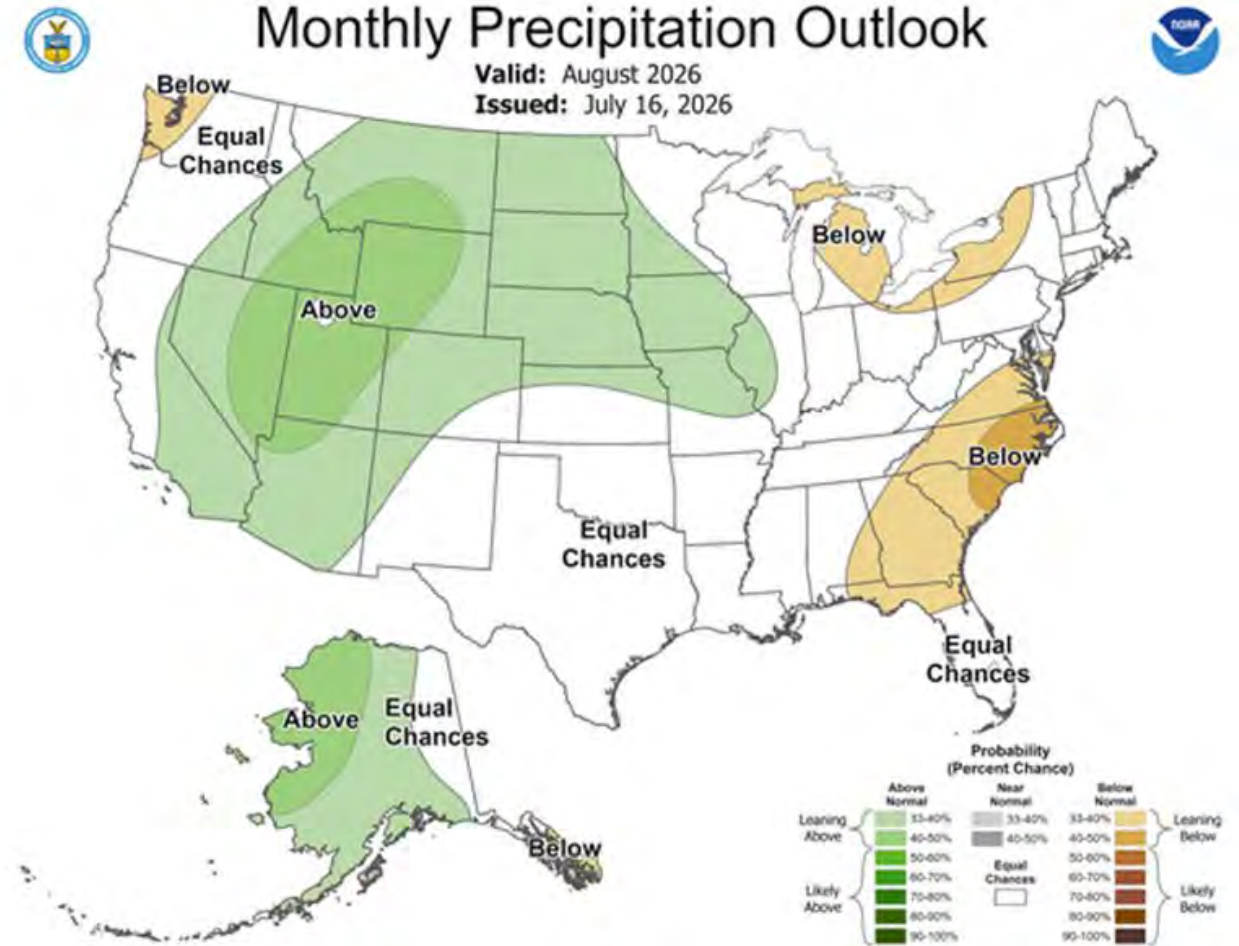
Monthly Temperature Outlook

Valid: August 2026
Issued: July 16, 2026



Monthly Precipitation Outlook

Valid: August 2026
Issued: July 16, 2026

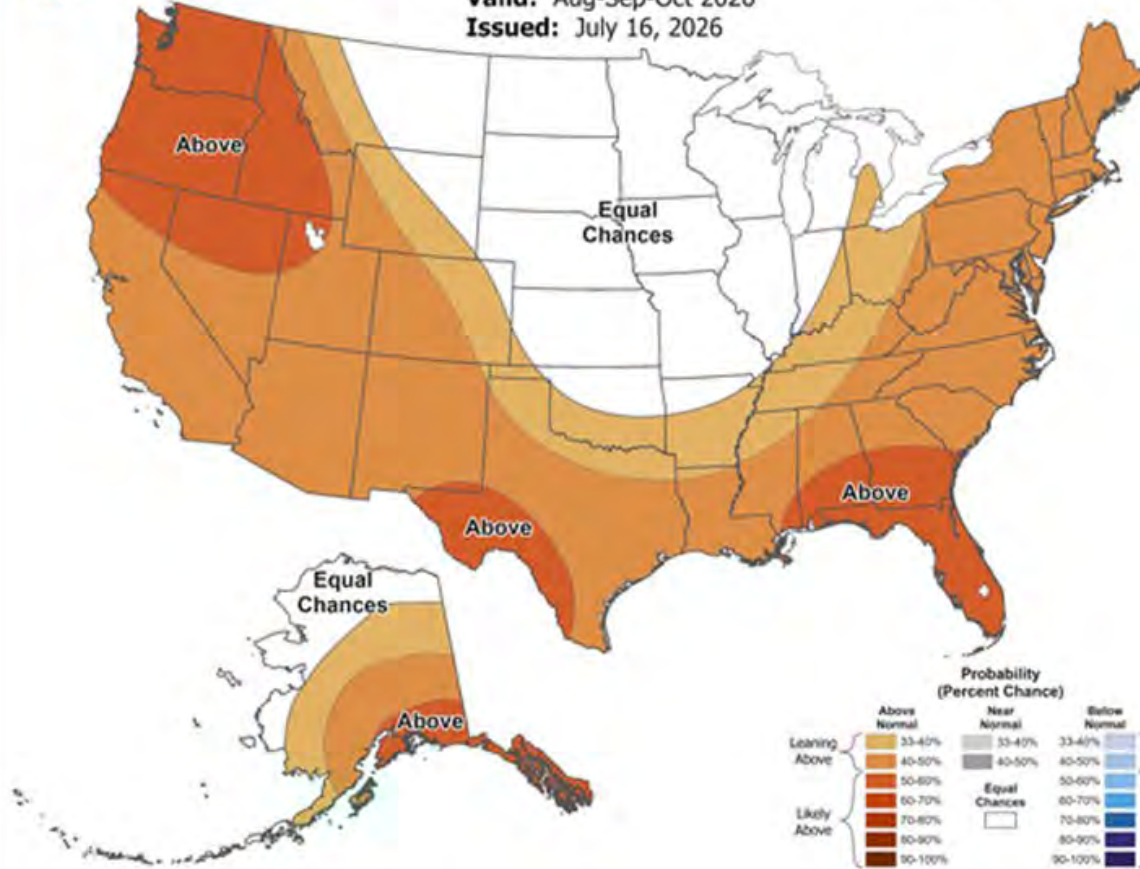


Fall Transition Outlook



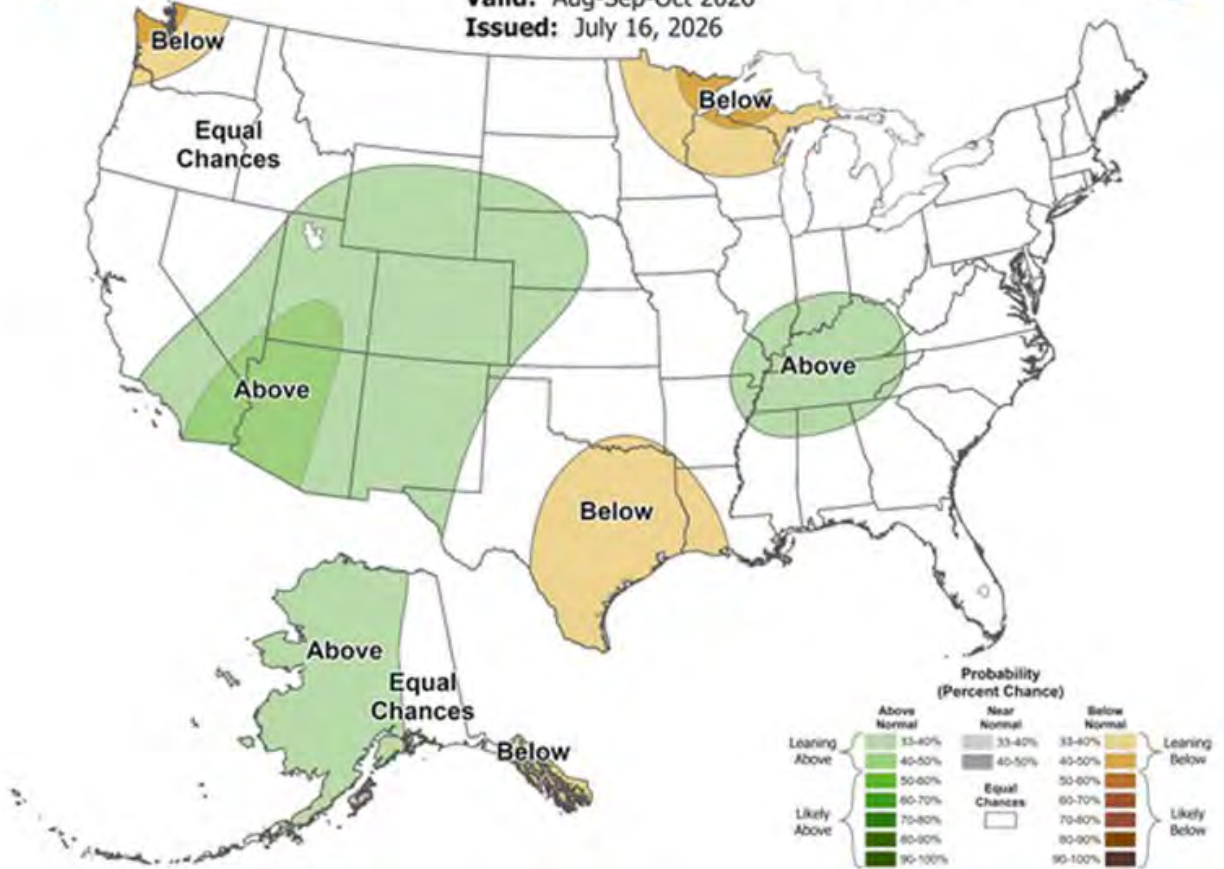
Seasonal Temperature Outlook

Valid: Aug-Sep-Oct 2026
Issued: July 16, 2026

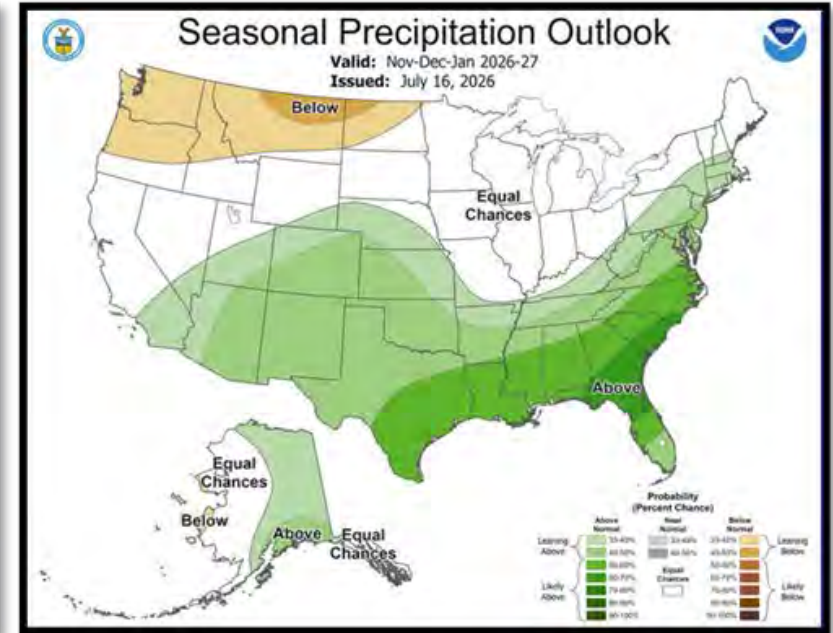
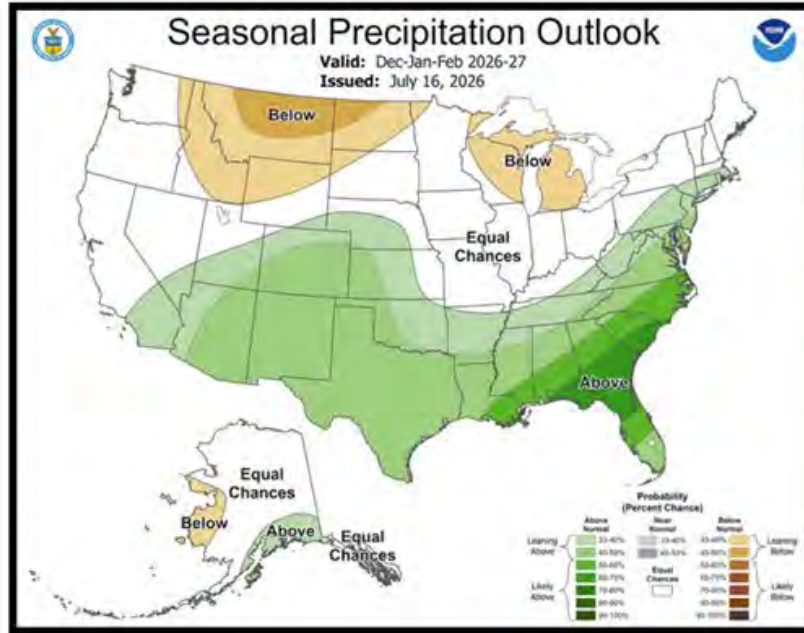
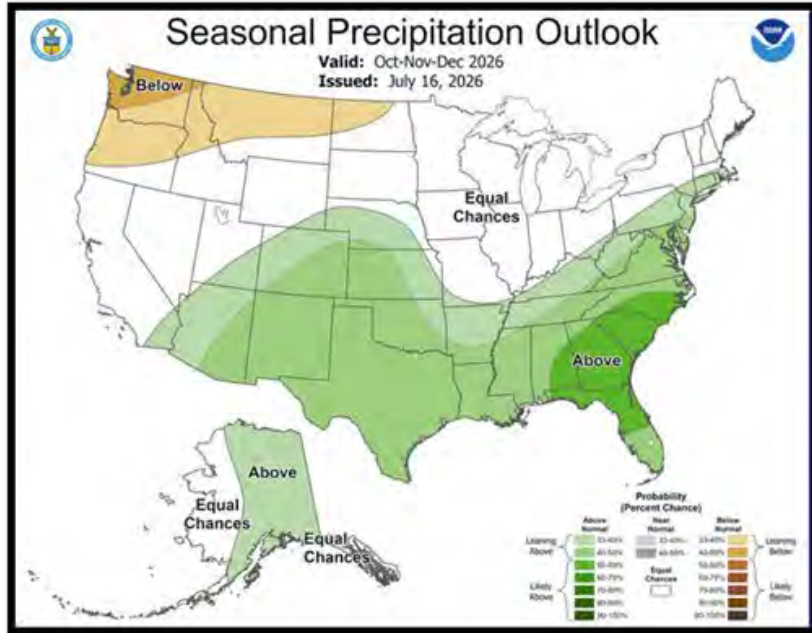


Seasonal Precipitation Outlook

Valid: Aug-Sep-Oct 2026
Issued: July 16, 2026



Fall to Winter Outlook (The El Nino Effect)

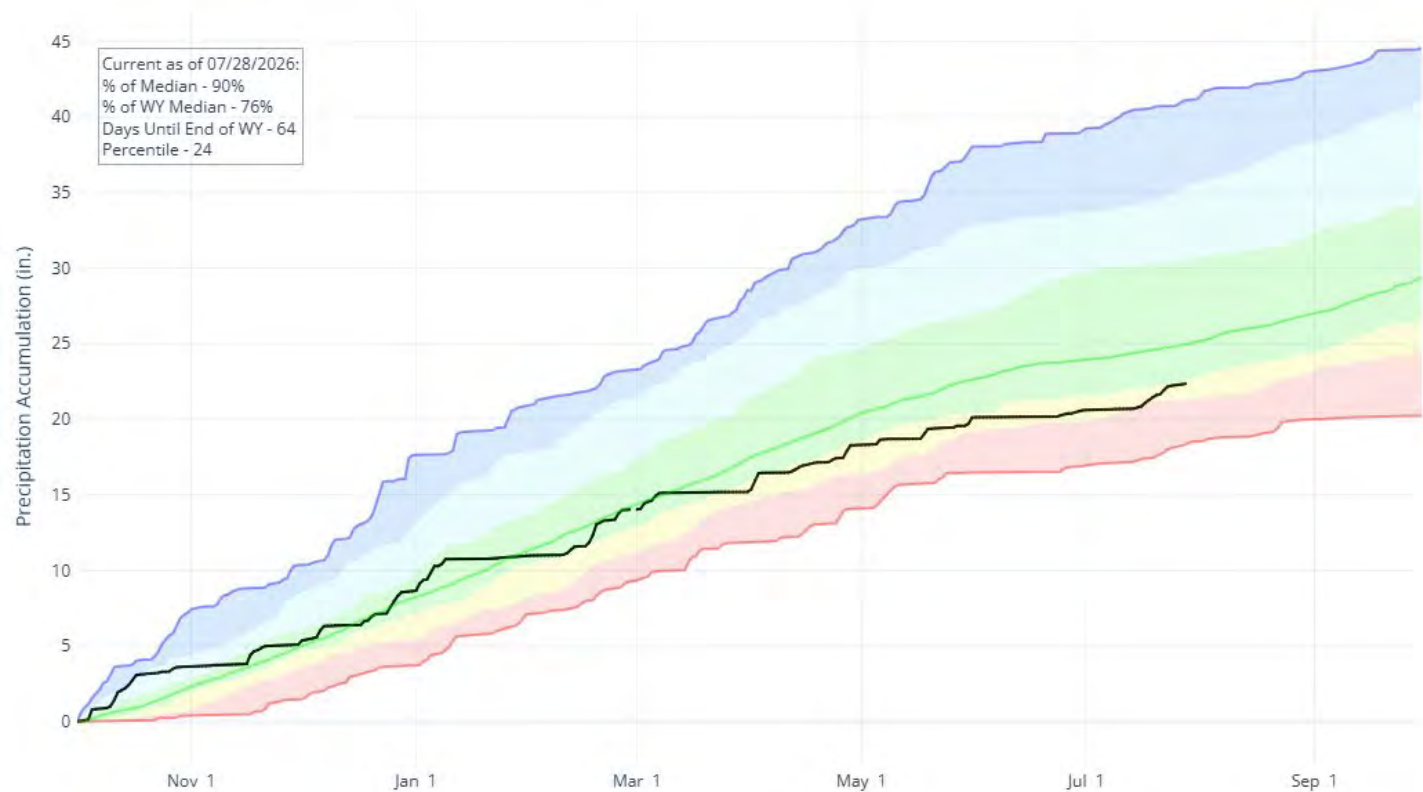


Indications of the strong winter El Nino remain present in forecast models. Outlooks will continue to reflect the stronger southerly jet stream and storm track bringing warmer winter storms through the southern states.

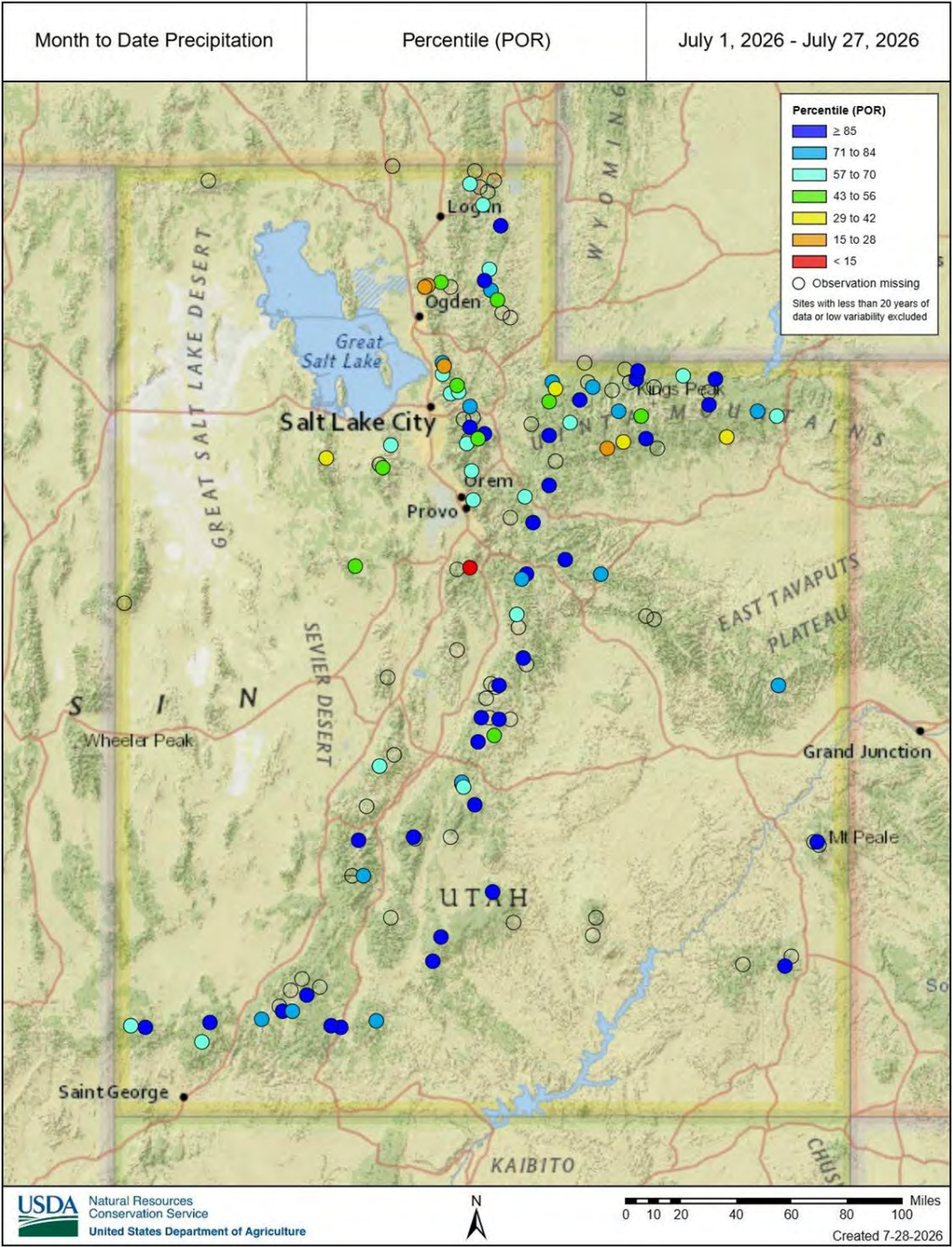
As always northern Utah winter's have little relationship to the ENSO signal, but we do have region-wide concerns for the impacts on snow accumulation if the storm systems are warm.

Precipitation in Utah's mountains

PRECIPITATION ACCUMULATION IN STATE OF UTAH

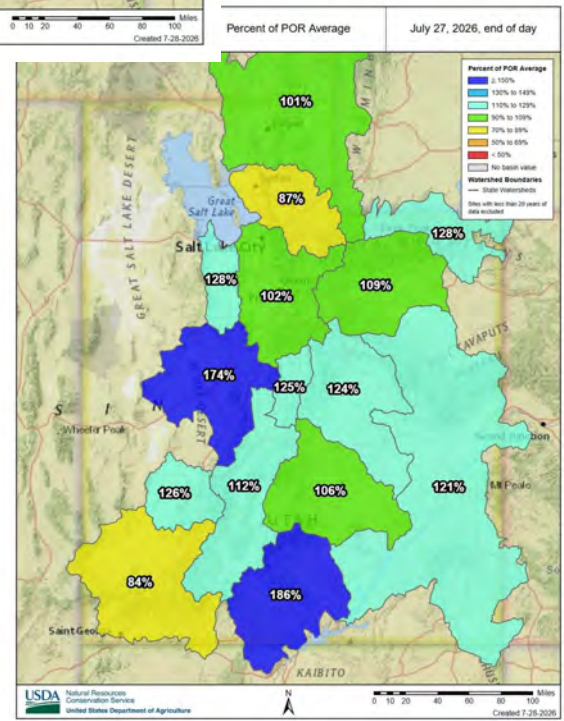
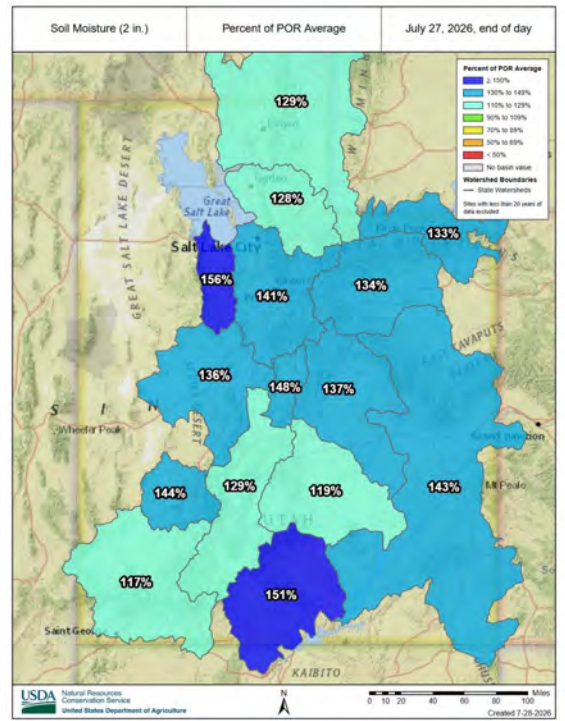
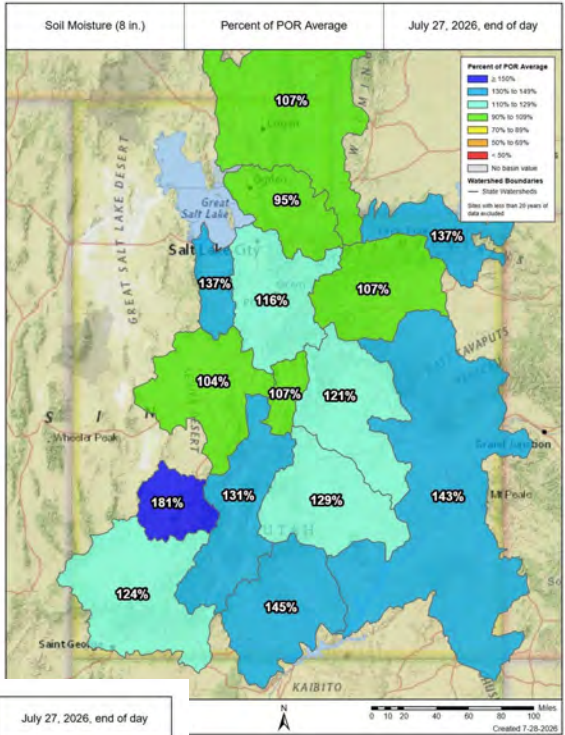
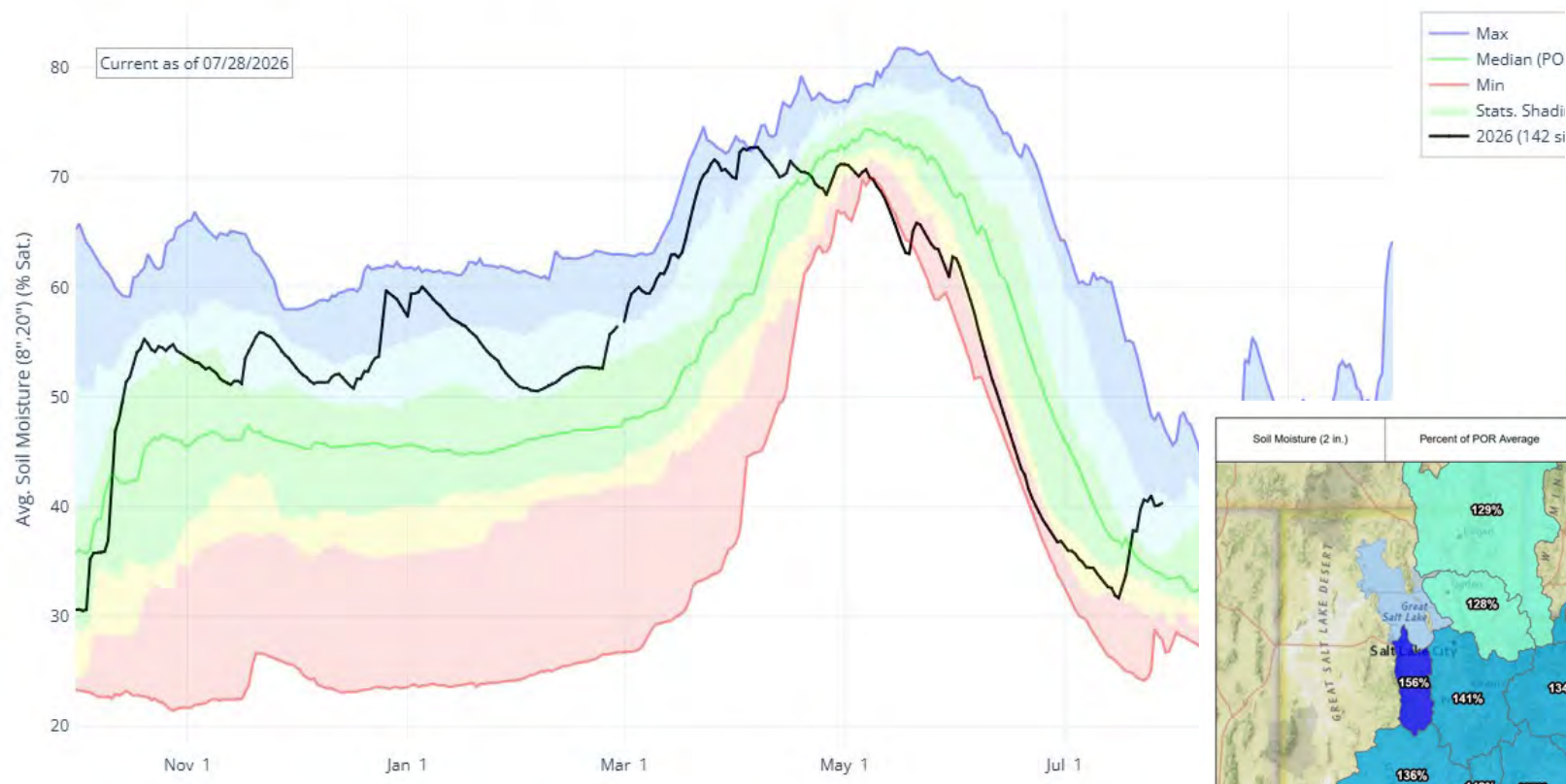


Agency - NRCS Snow Survey
Presenter – Jordan Clayton



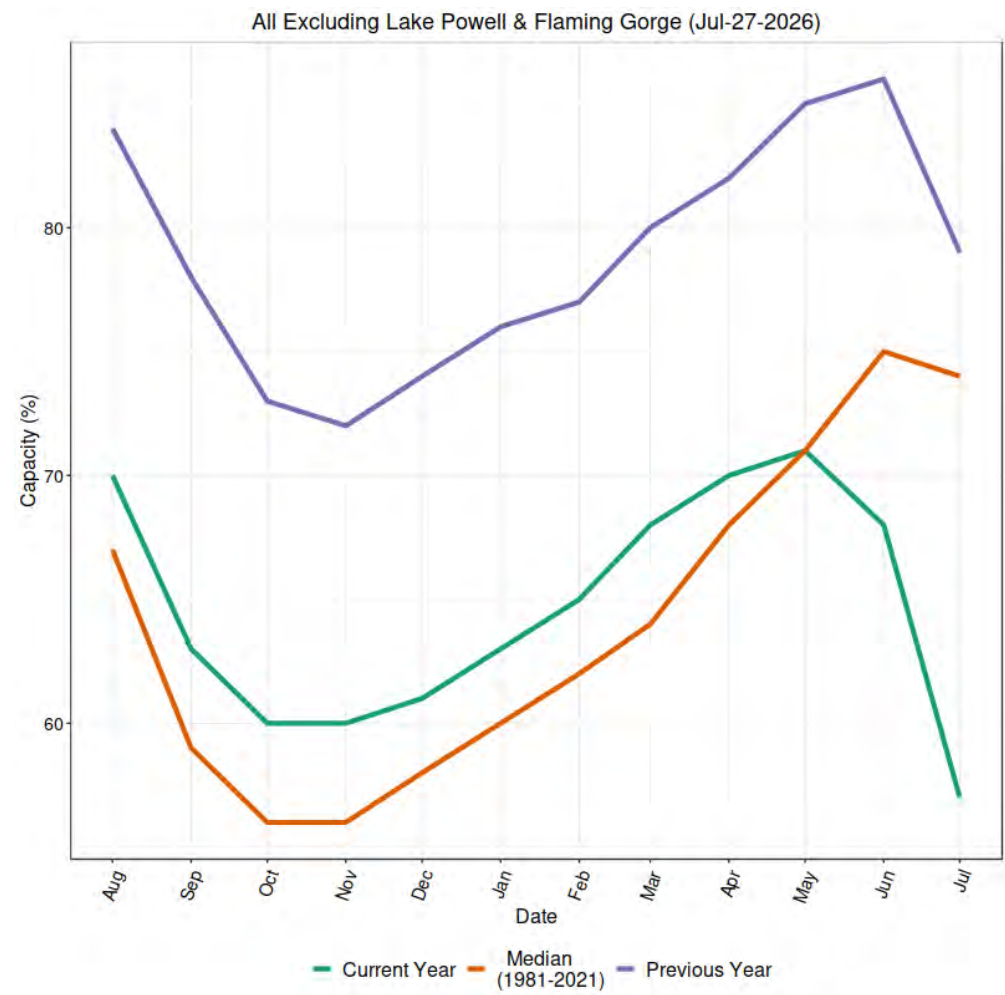
Soil Moisture in Utah's mountains

AVG. SOIL MOISTURE (8",20") IN STATE OF UTAH

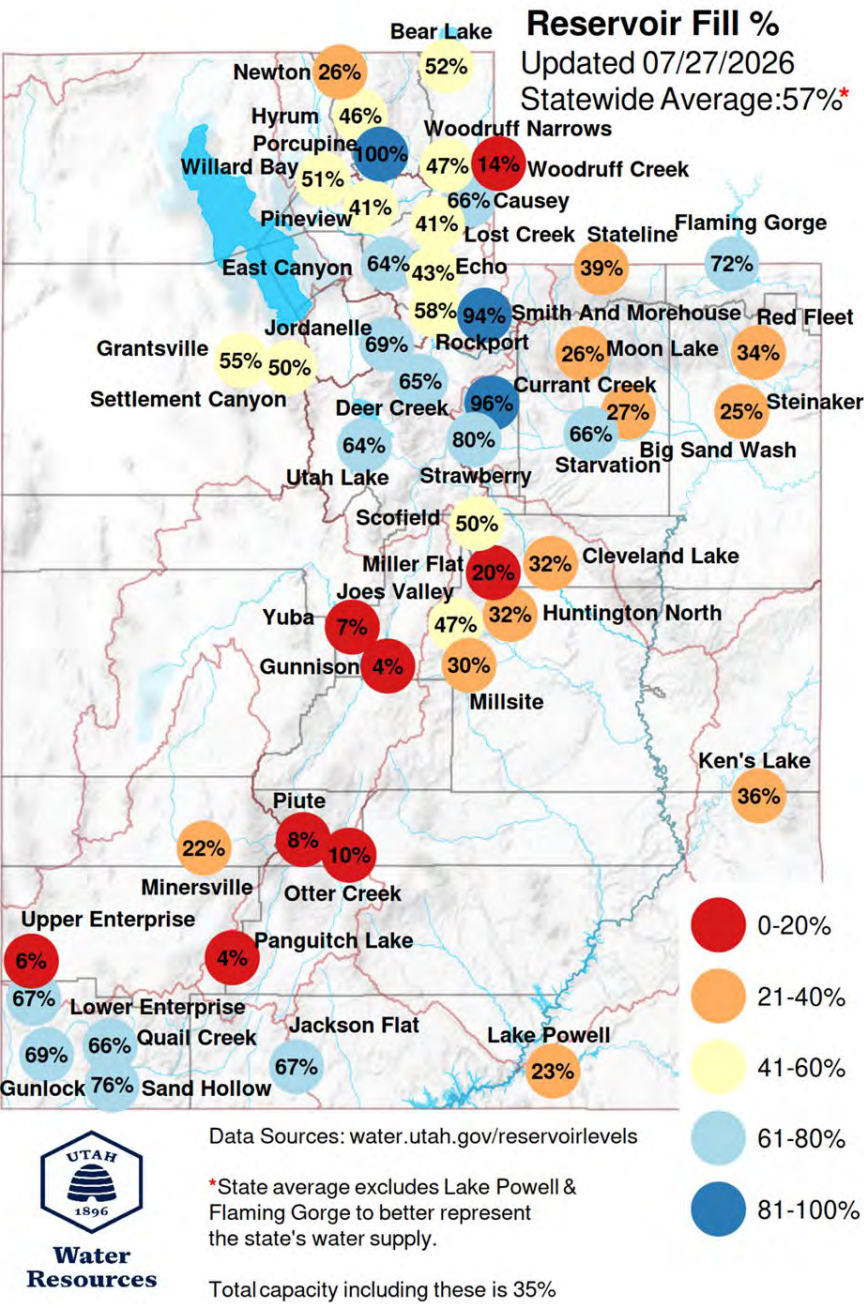


Agency – NRCS Snow Survey
Presenter – Jordan Clayton

Statewide Reservoirs



Agency - Utah Division of Water Resources
Presenter – Laura Haskell



Reclamation Reservoirs

System storage: 65% full

(Excluding Powell, Flaming Gorge, Fontenelle)

~7% lower than last month (72%)

~16% lower than last year (~80%)

~13% lower than the 27-year average (~78%)

Basin storage: 31-75% full

Duchesne <50%ile

Bear, Provo, Upper Green, Price <30%ile

Weber <10%ile

Reservoir storage: 16-80% full

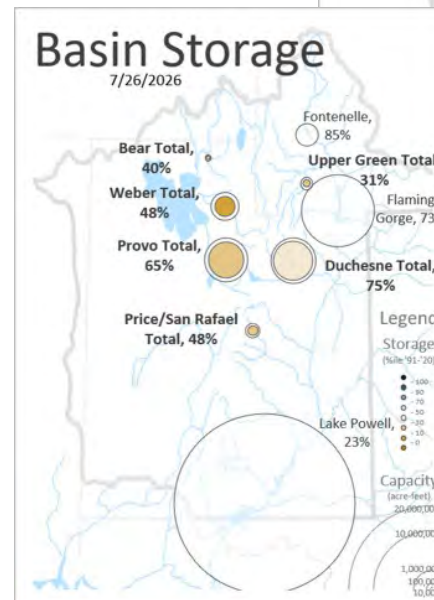
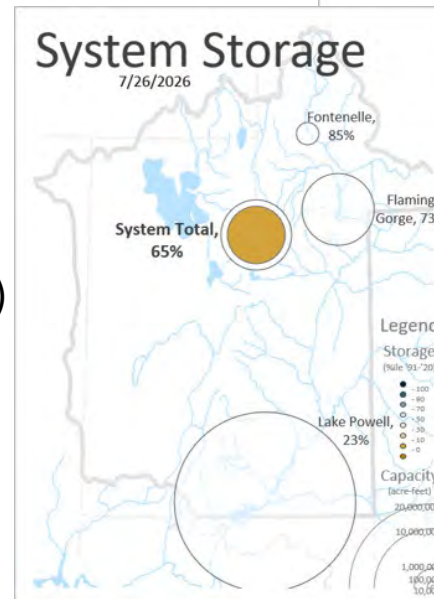
1/30 >30-year median

Outlook

storage receding until Sept./Oct.

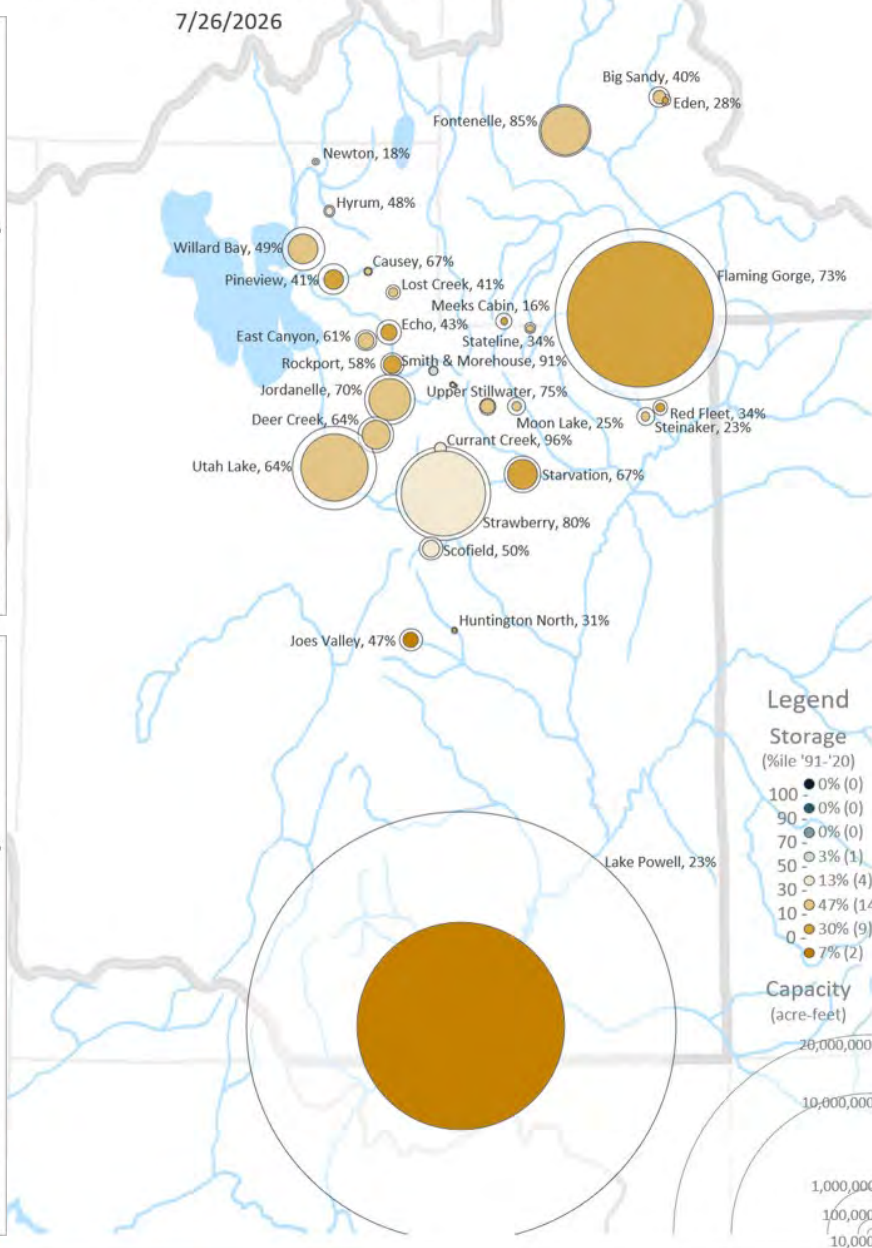
Agency – Bureau of Reclamation

Presenter – Gary Henrie



Reservoir Storage

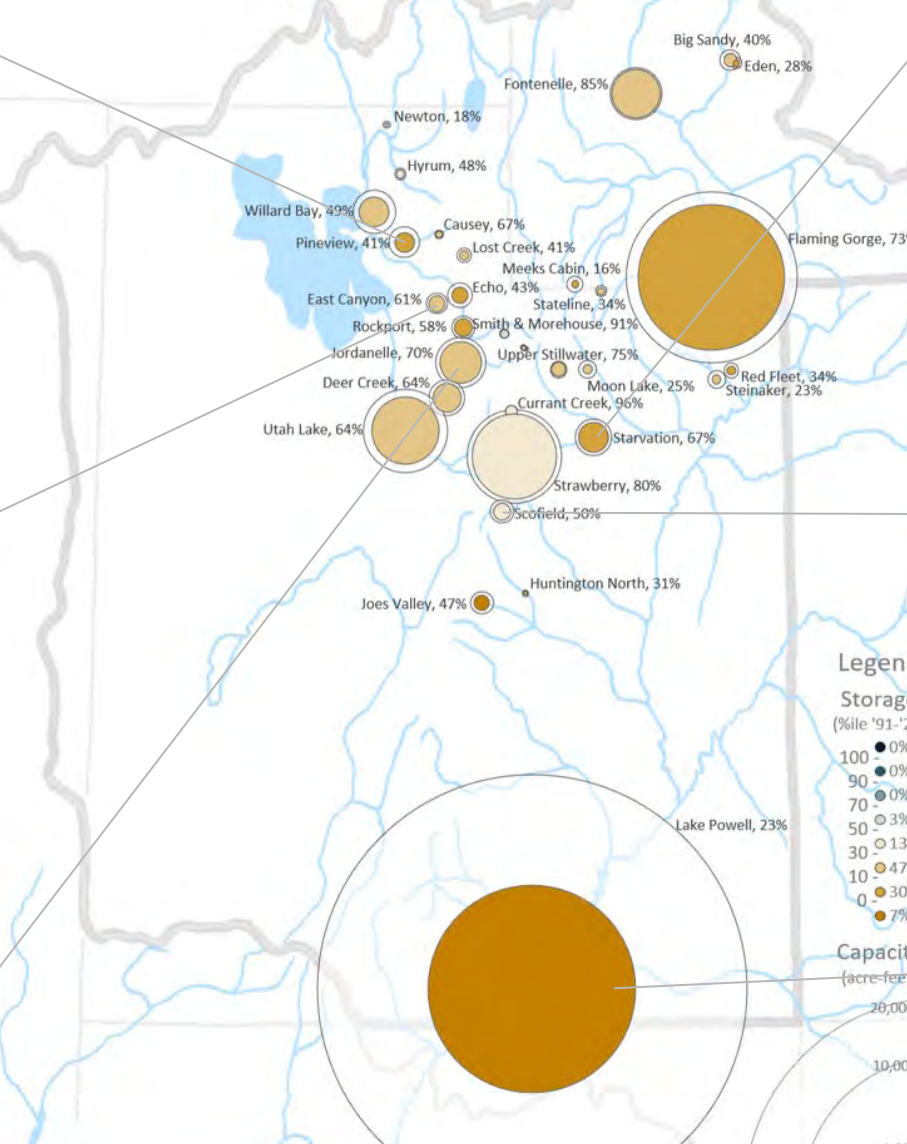
dots sized by capacity (outer dot) and current storage (inner dot)
and colored by percentile of 1991-2020 storage



Reservoir Storage

dots sized by capacity (outer dot) and current storage (inner dot) and colored by percentile of 1991-2020 storage

7/26/2026



Legend

Storage

(%ile '91-'20)

100 ● 0%

90 ● 0%

70 ● 0%

50 ● 3%

30 ● 13%

10 ● 47%

0 ● 30%

0 ● 7%

Capacity

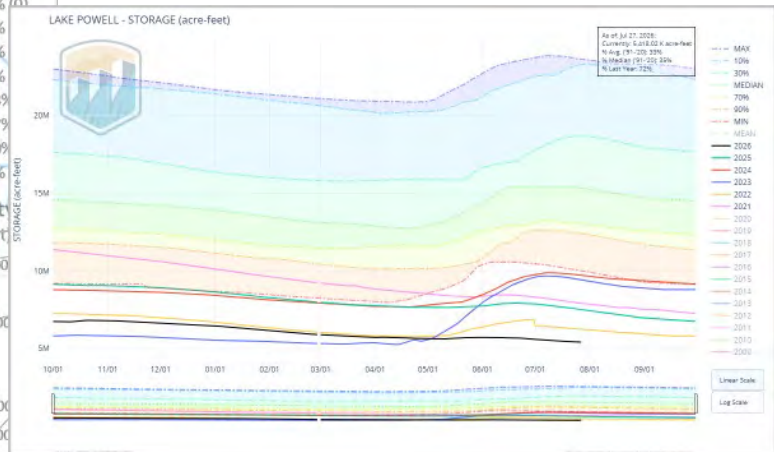
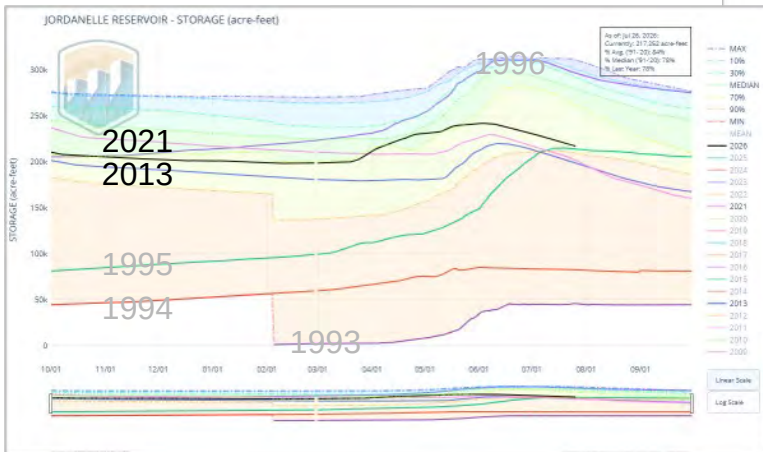
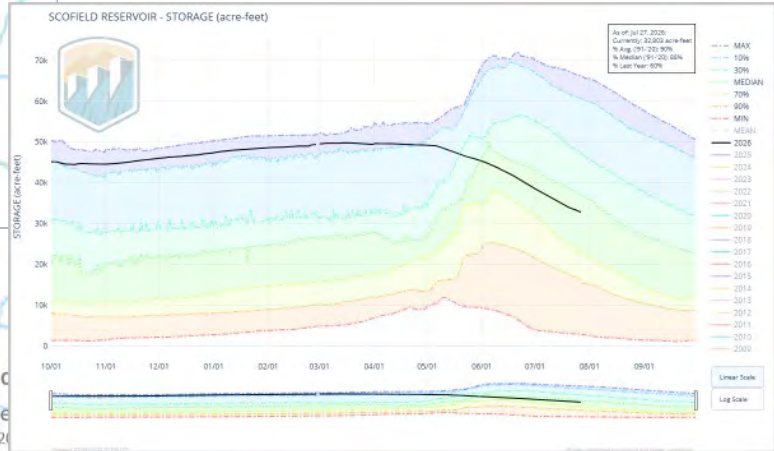
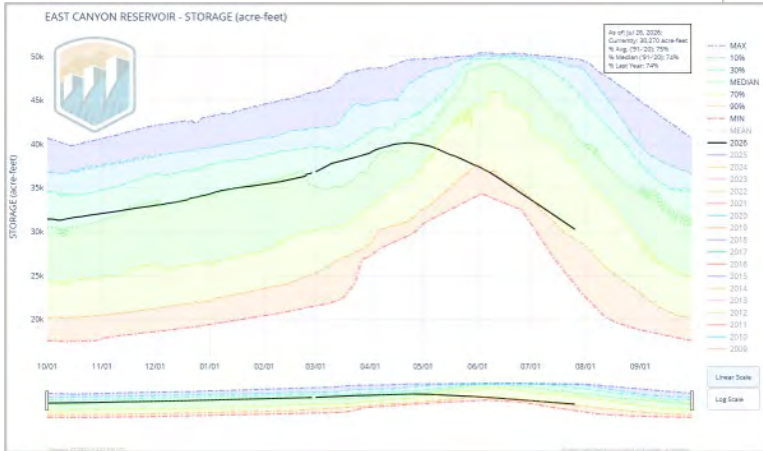
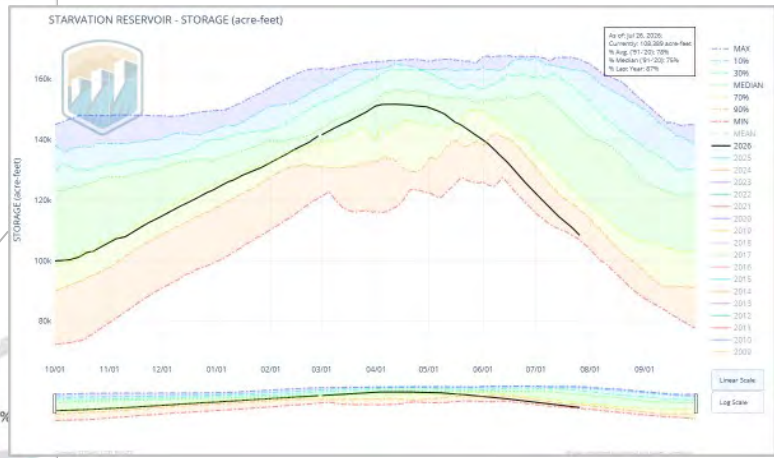
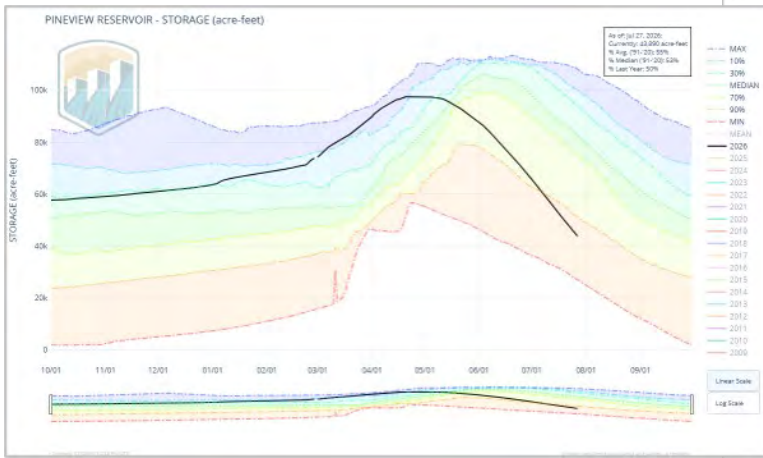
(acre-feet)

20,000

10,000

1,000

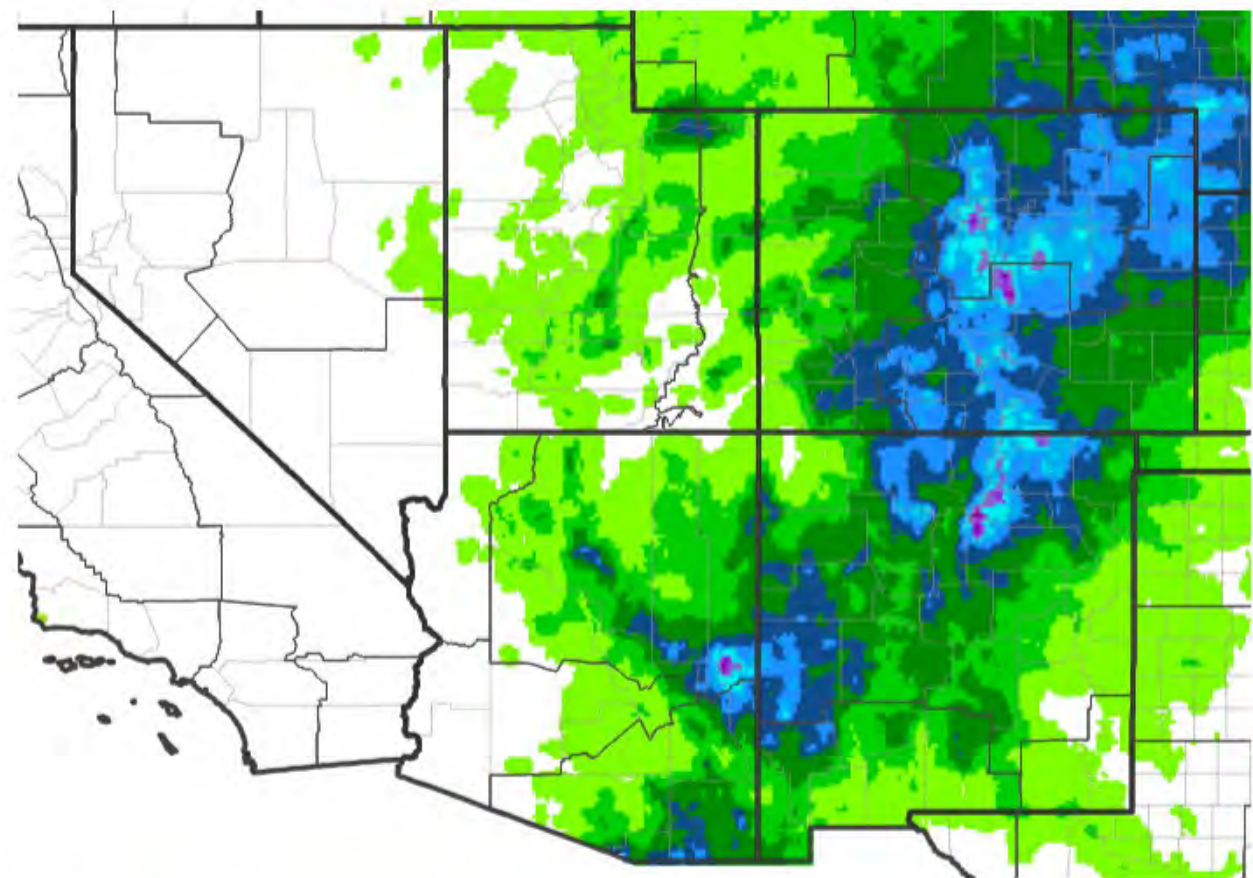
100



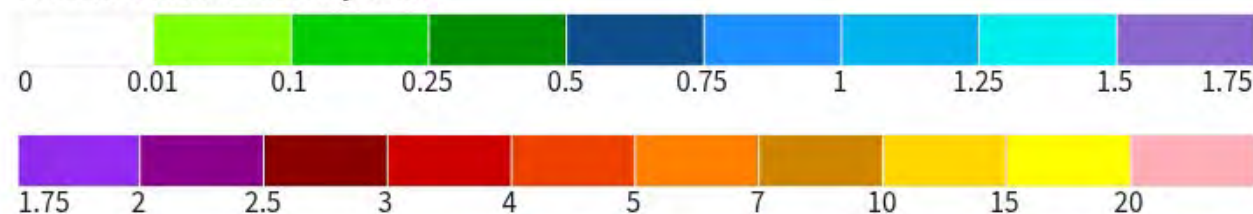
Additional graphs found at the Bureau of Reclamation [website](#)

Day 1 to 7 Outlook

7-Day Quantitative Precipitation Forecast for July 27,
2026–August 3, 2026



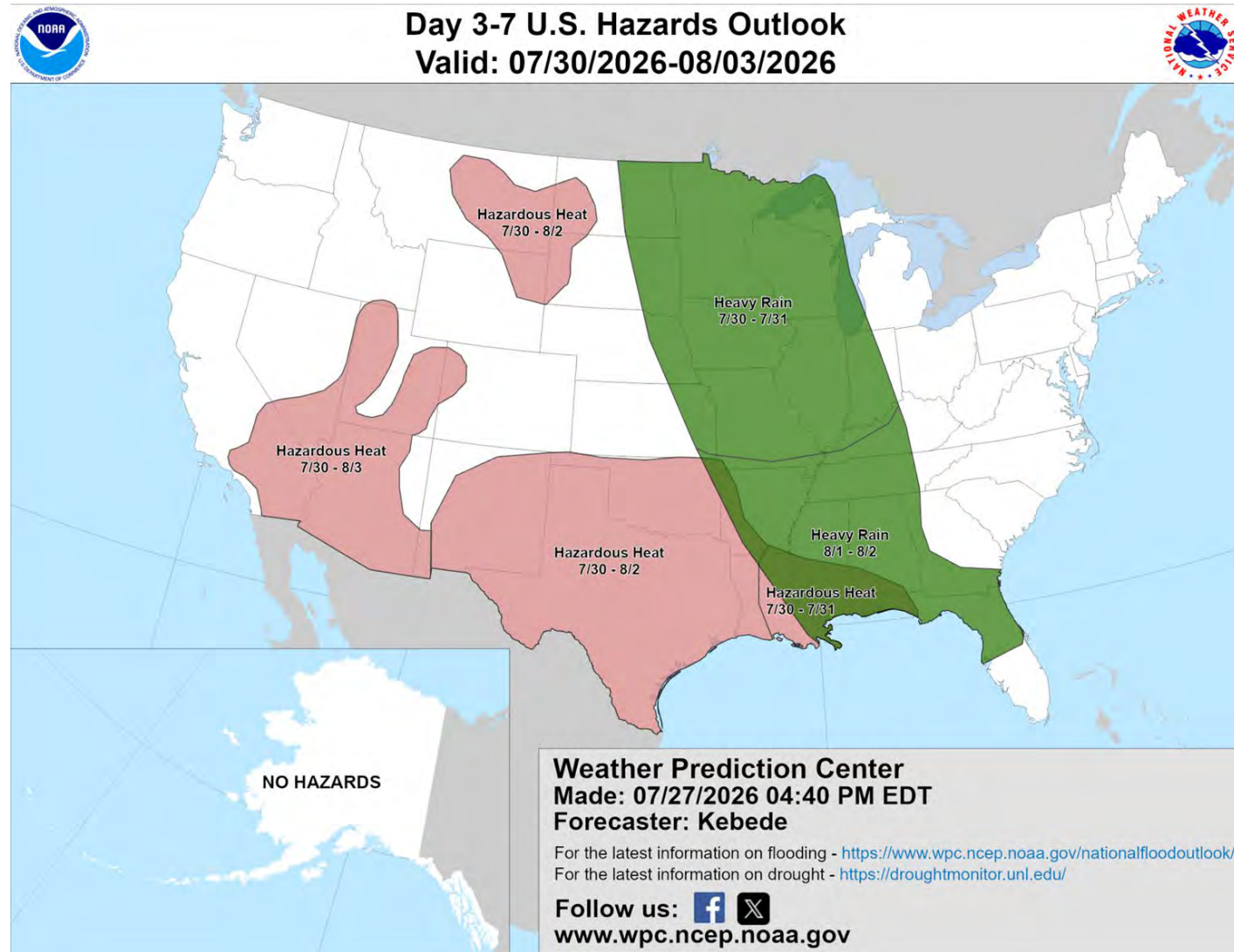
Predicted Inches of Precipitation



Agency – National Weather Service
Presenter – Christine Kruse

Source(s): National Weather Service Weather Prediction Center; image courtesy of Drought.gov
Last Updated: 07/27/26

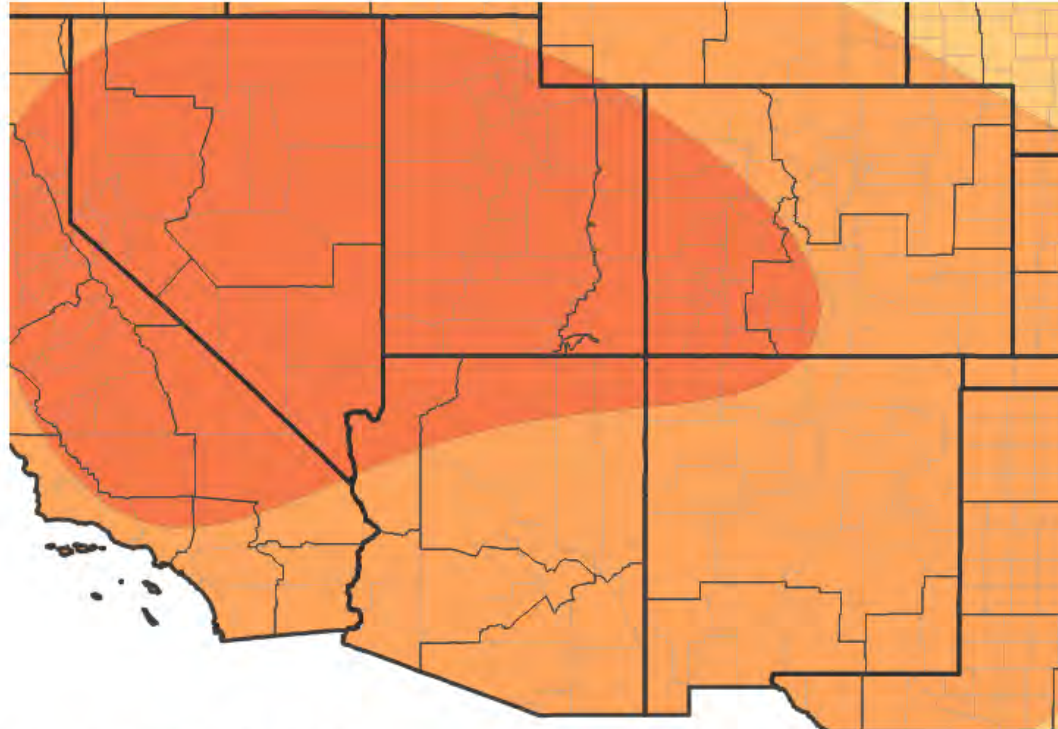
Day 3 to 7 Hazards



8 to 14 Day Outlooks - Temperature



8-14 Day Temperature Outlook for August 4, 2026–August 10, 2026



Probability of Below-Normal Temperatures



Probability of Above-Normal Temperatures



■ Near-Normal Conditions

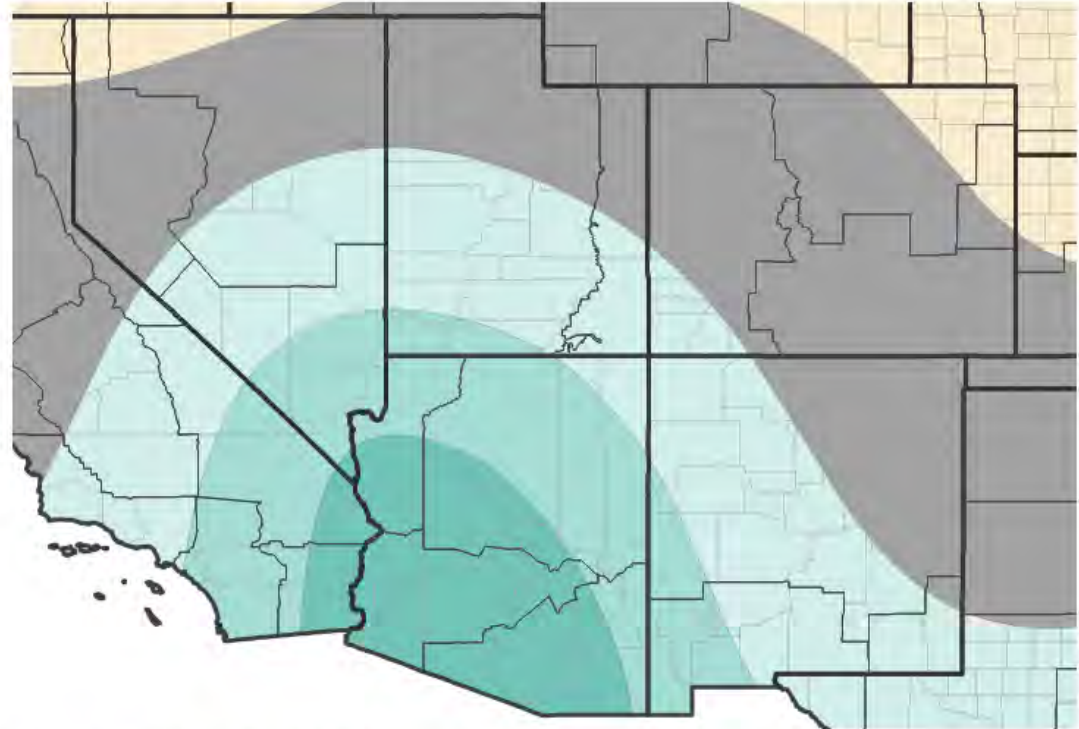
Source(s): Climate Prediction Center; image courtesy of Drought.gov

Last Updated: 07/27/26

8 to 14 Day Outlooks - Precipitation



8-14 Day Precipitation Outlook for August 4, 2026–August 10, 2026



Probability of Below-Normal Precipitation



Probability of Above-Normal Precipitation



Near-Normal Conditions

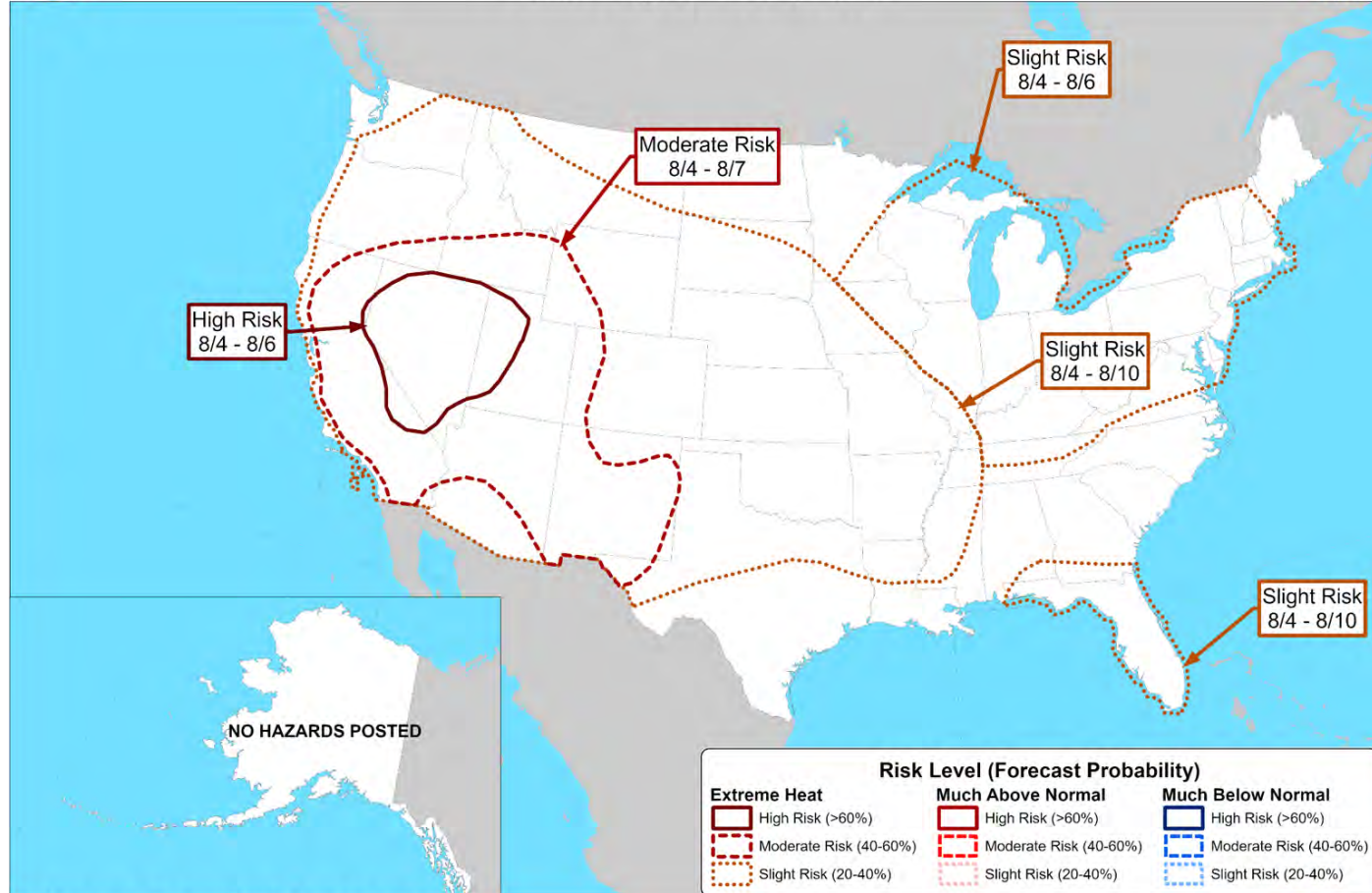
Source(s): Climate Prediction Center; image courtesy of Drought.gov

Last Updated: 07/27/26

Two Week Hazards: Temperatures



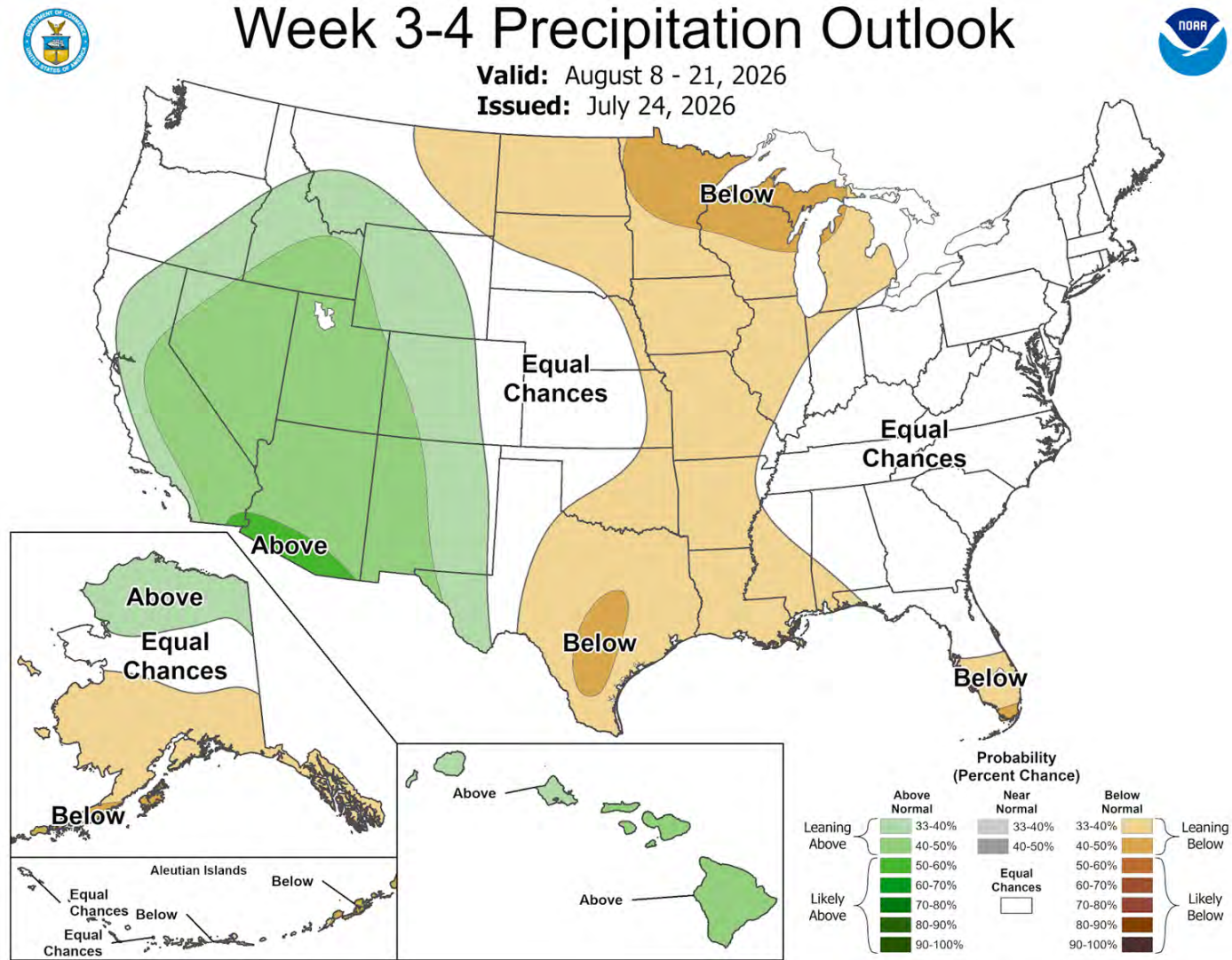
Risk of Hazardous Temperatures Valid: August 4 - 10, 2026



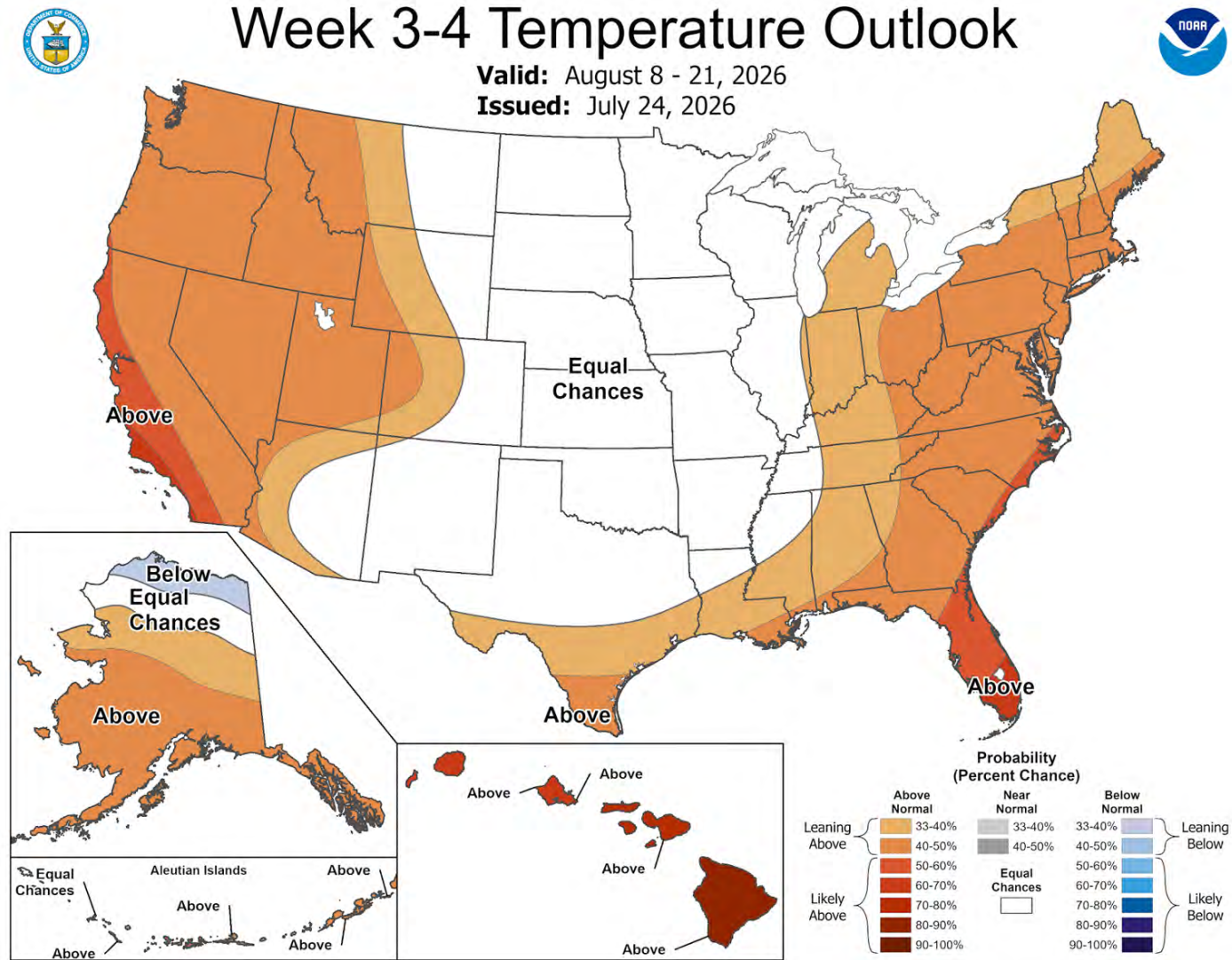
Climate Prediction Center
Released: July 27, 2026 3:00 PM EDT

Follow us:
www.cpc.ncep.noaa.gov

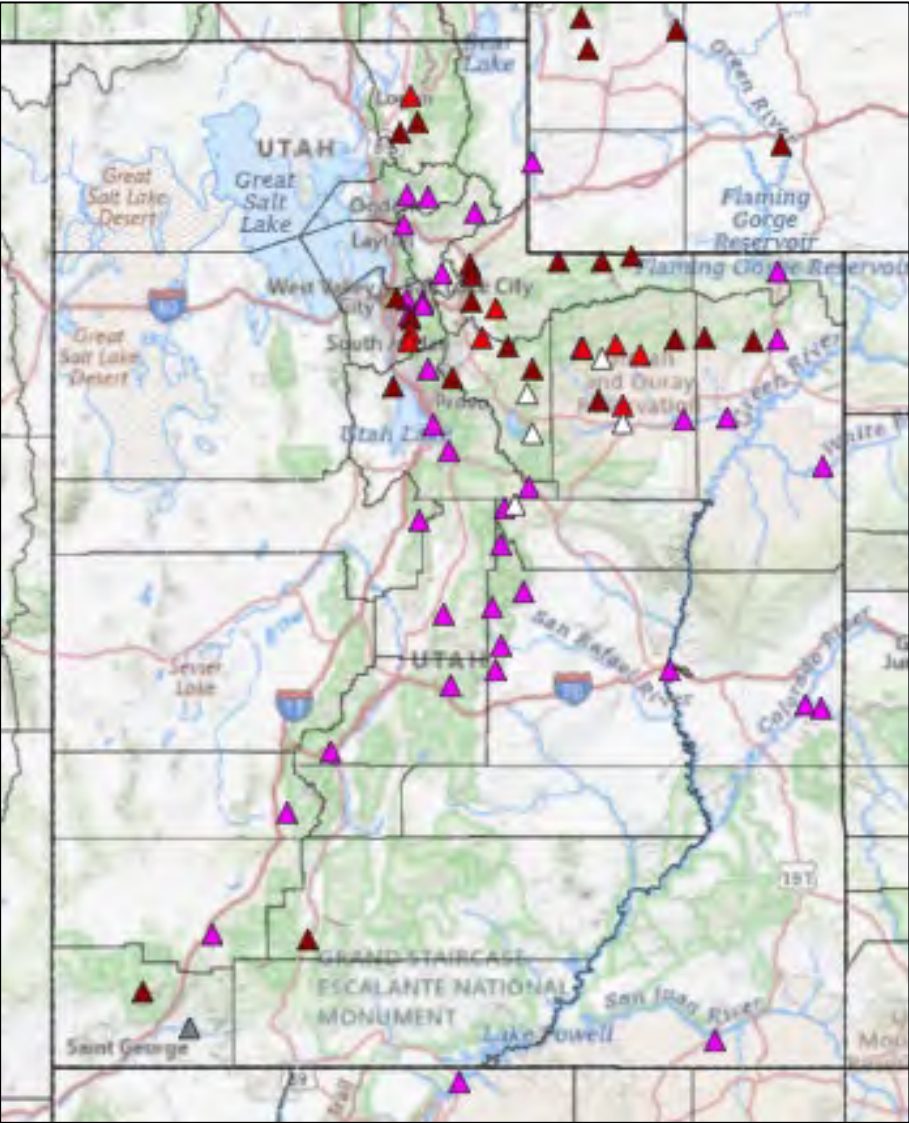
3 – 4 Week Outlook



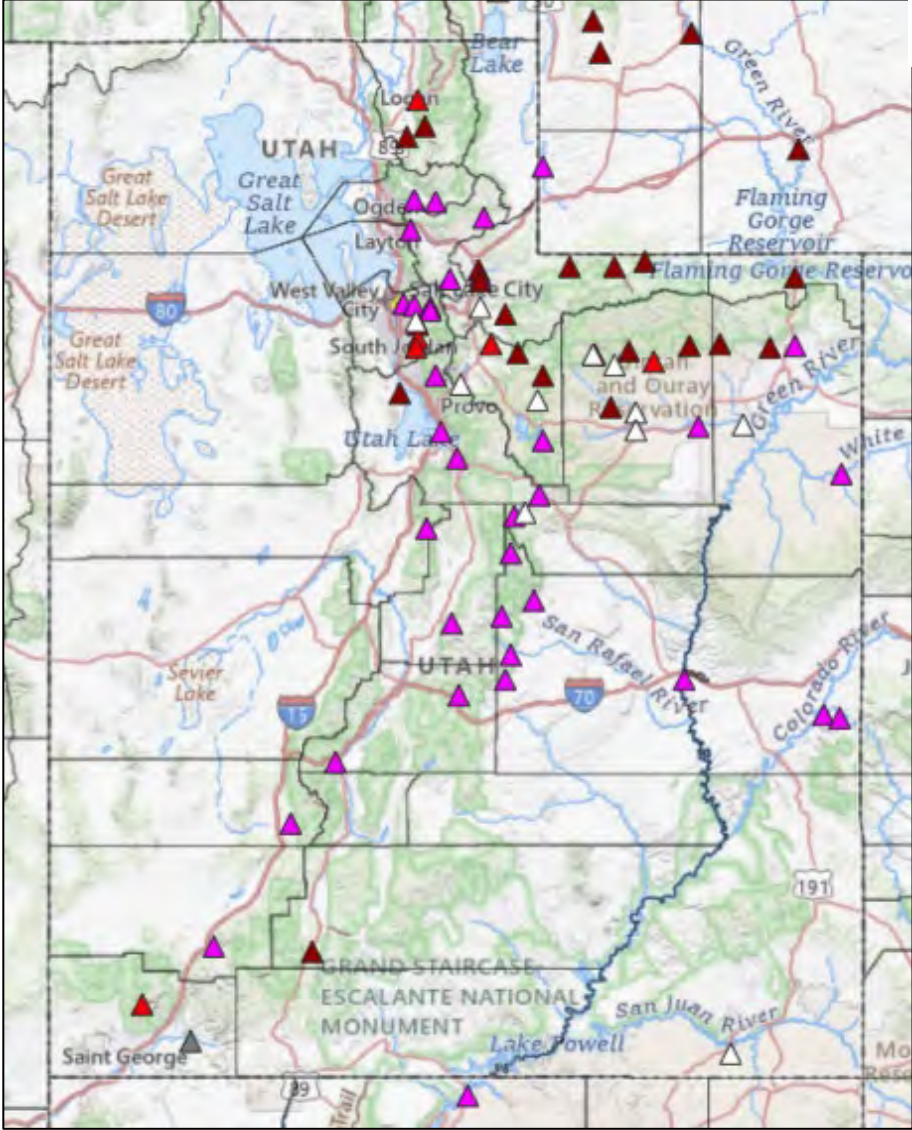
3 – 4 Week Outlook



6/23/2026



7/28/2026



Water Supply forecast

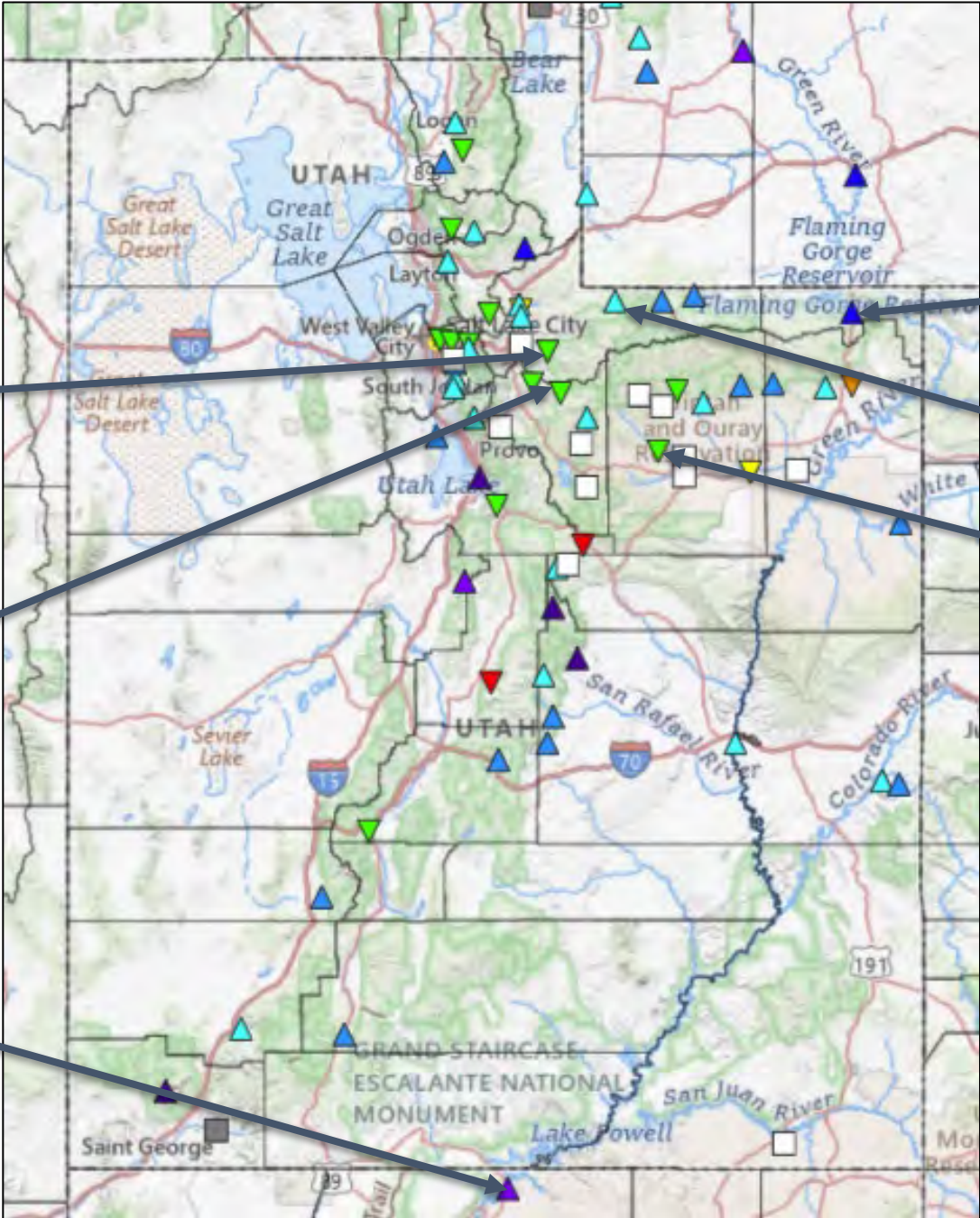
Comparing 6/23 to 7/27



Weber - Oakley

Provo - Woodland

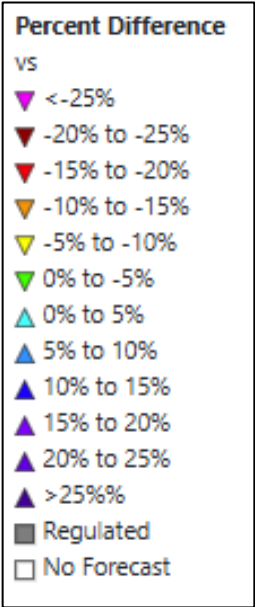
Lake Powell



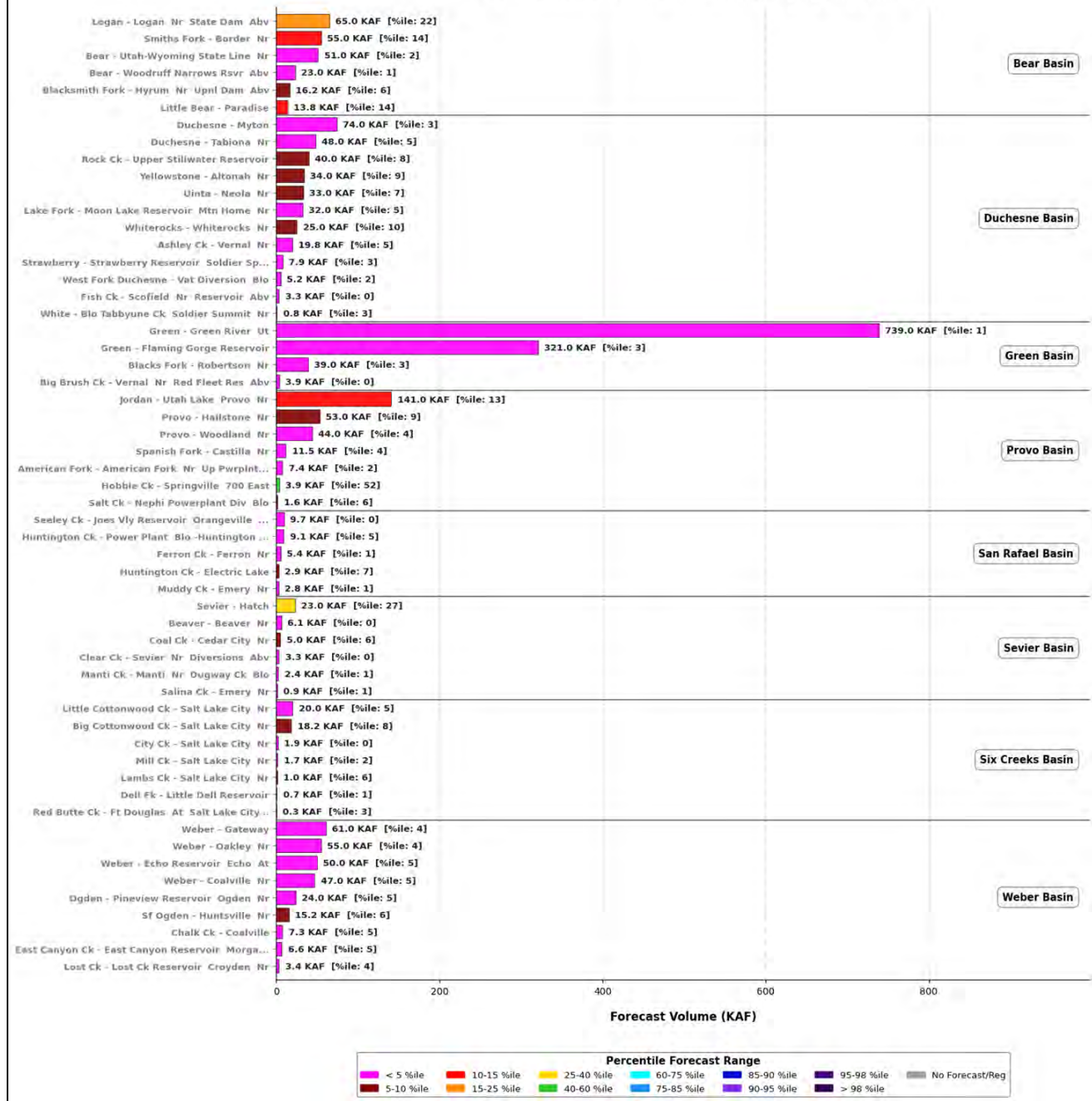
Green - Flaming Gorge

Bear - WY/UT Stateline

Duchesne - Tabiona



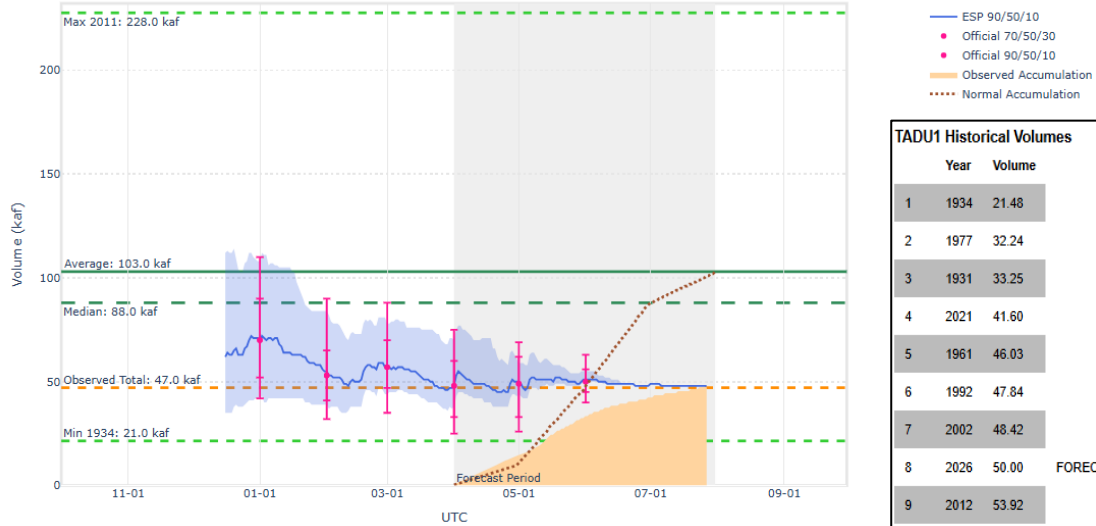
CBRFC Modeled Water Supply Snapshot
MP 50 Forecast Volume & Percentile: July 27, 2026





2026 Water Supply Forecast - Duchesne - Tabiona, Nr (TADU1)

ESP is Unregulated and No Precipitation Forecast Included
Official 50% Fcst (2026-06-01): 50 kaf (49% Avg, 57% Med), (6% of Yrs Below Fcst, 101 Highest Flow / 107 Tot Yrs)
ESP 50% Fcst (2026-07-27): 48 kaf (47% Avg, 55% Med), (5% of Yrs Below Fcst, 102 Highest Flow / 107 Tot Yrs)
Observed Volume: 47 kaf (46% Average, 54% Median)



TADU1 Historical Volumes

	Year	Volume
1	1934	21.48
2	1977	32.24
3	1931	33.25
4	2021	41.60
5	1961	46.03
6	1992	47.84
7	2002	48.42
8	2026	50.00
9	2012	53.92
10	2018	55.69

FORECAST 50% 6/1/2026

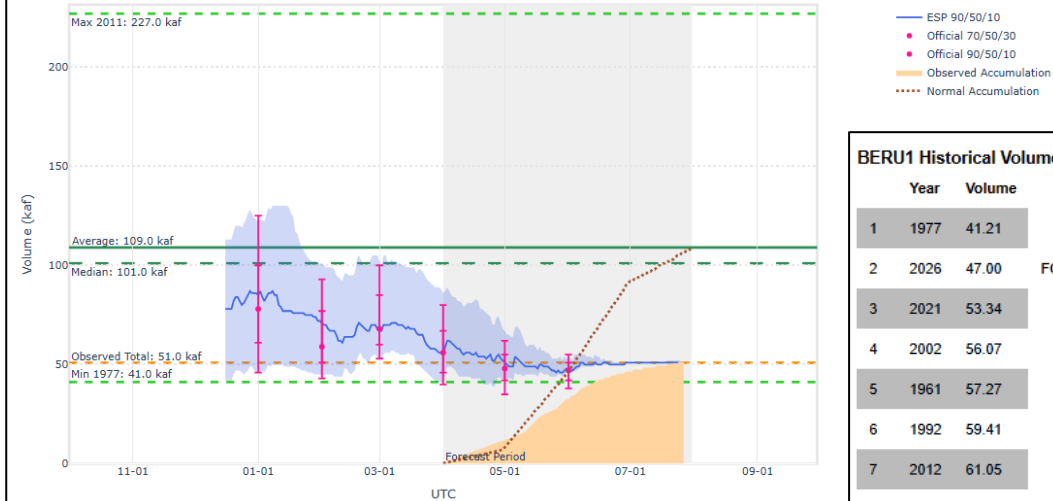
Forecast Hydrograph - Duchesne - Tabiona, Nr (TADU1) - NOAA/CBRC

Fcst Date: 07/28/15Z - Latest Ob: 0.74 ft, 44 cfs (07/28/17Z) - Flood: 5.6 ft, 1860 cfs - Action: 5.3 ft, 1705 cfs



2026 Water Supply Forecast - Bear - Utah-Wyoming State Line, Nr (BERU1)

ESP is Unregulated and No Precipitation Forecast Included
Official 50% Fcst (2026-06-01): 47 kaf (43% Avg, 47% Med), (1% of Yrs Below Fcst, 83 Highest Flow / 83 Tot Yrs)
ESP 50% Fcst (2026-07-27): 51 kaf (47% Avg, 51% Med), (1% of Yrs Below Fcst, 83 Highest Flow / 83 Tot Yrs)
Observed Volume: 51 kaf (47% Average, 50% Median)



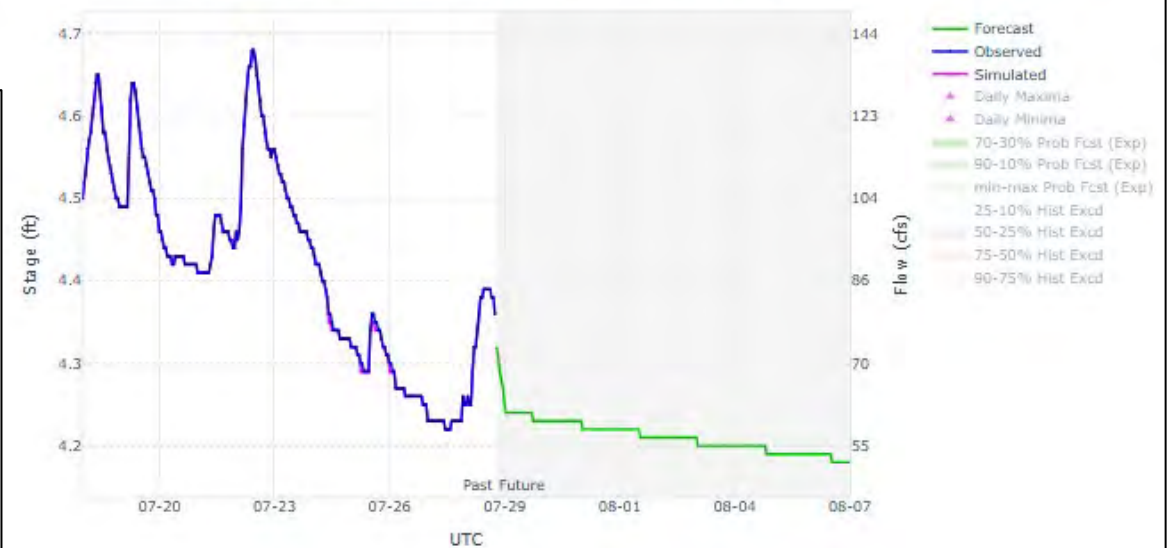
BERU1 Historical Volumes

	Year	Volume
1	1977	41.21
2	2026	47.00
3	2021	53.34
4	2002	56.07
5	1961	57.27
6	1992	59.41
7	2012	61.05
8	1954	63.61
9	2004	65.16
10	2001	67.71

FORECAST 50% 6/1/2026

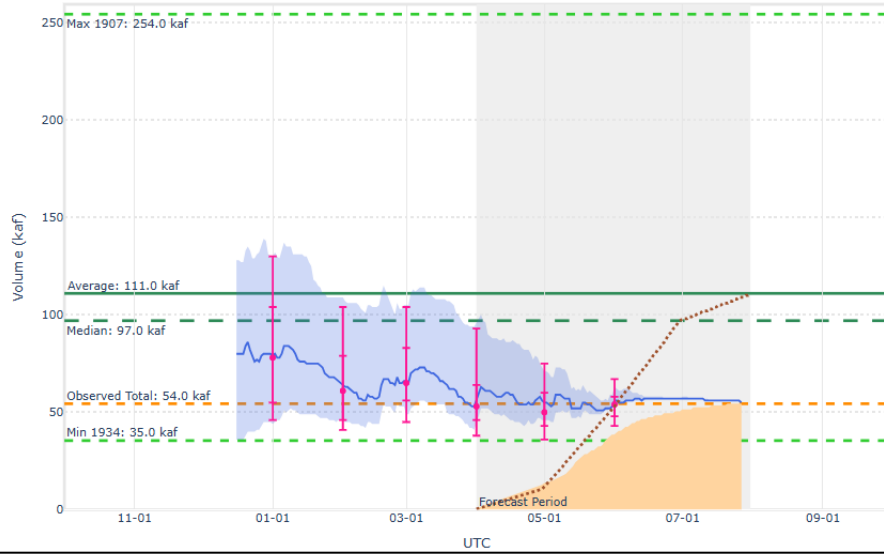
Forecast Hydrograph - Bear - Utah-Wyoming State Line, Nr (BERU1) - NOAA/CBRC

Fcst Date: 07/28/15Z - Latest Ob: 4.36 ft, 80 cfs (07/28/18Z) - Flood: 8.0 ft, 2430 cfs - Action: 7.7 ft, 2076 cfs



2026 Water Supply Forecast - Weber - Oakley, Nr (OAWU1)

ESP is Unregulated and No Precipitation Forecast Included
Official 50% Fcst (2026-06-01): 54 kaf (49% Avg, 56% Med), (4% of Yrs Below Fcst, 116 Highest Flow / 120 Tot Yrs)
ESP 50% Fcst (2026-07-27): 55 kaf (50% Avg, 57% Med), (4% of Yrs Below Fcst, 116 Highest Flow / 120 Tot Yrs)
Observed Volume: 54 kaf (49% Average, 56% Median)



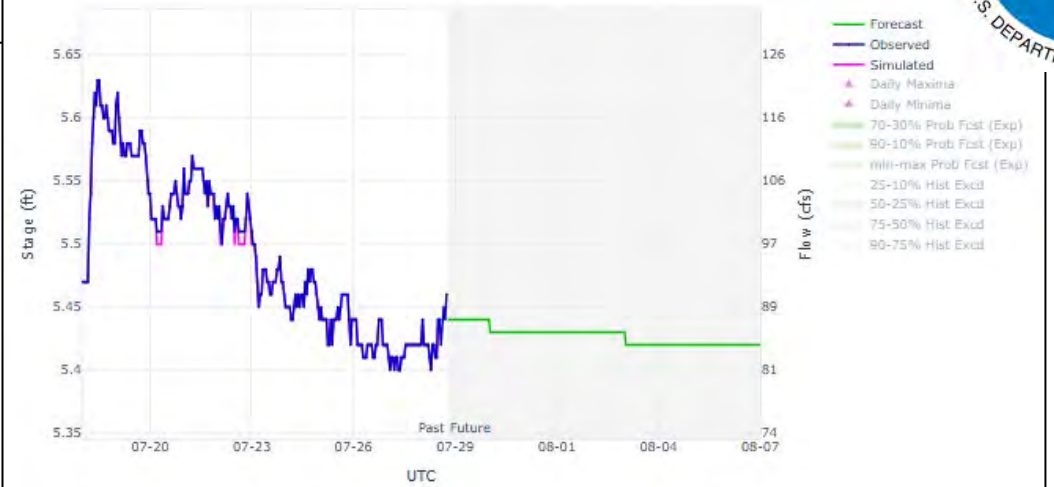
ESP 90/50/10
Official 70/50/30
Official 90/50/10
Observed Accumulation
Normal Accumulation

OAWU1 Historical Volumes

	Year	Volume			
1	1934	35.47			
2	1977	36.58			
3	1961	42.98			
4	2021	44.79			
5	1931	51.01			
6	2026	54.00	FORECAST	50%	6/1/2026
7	1992	57.00			
8	2012	57.23			
9	1988	60.36			
10	2018	62.97			

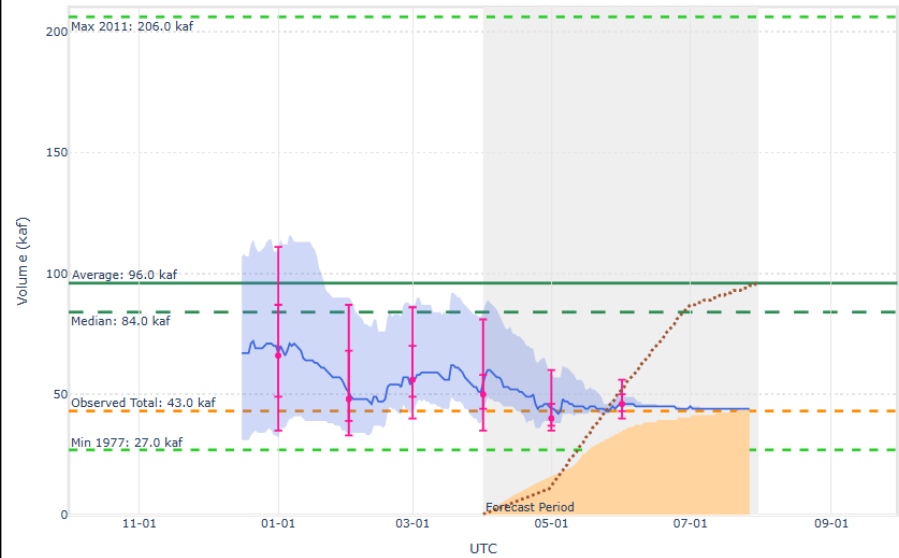
Forecast Hydrograph - Weber - Oakley, Nr (OAWU1) - NOAA/CBRFC

Fcst Date: 07/28/14Z - Latest Ob: 5.46 ft, 91 cfs (07/28/18Z) - Flood: 9.6 ft, 2477 cfs - Action: 9.2 ft, 2091 cfs



2026 Water Supply Forecast - Provo - Woodland, Nr (WOOU1)

ESP is Unregulated and No Precipitation Forecast Included
Official 50% Fcst (2026-06-01): 46 kaf (48% Avg, 55% Med), (4% of Yrs Below Fcst, 59 Highest Flow / 61 Tot Yrs)
ESP 50% Fcst (2026-07-27): 44 kaf (46% Avg, 52% Med), (4% of Yrs Below Fcst, 59 Highest Flow / 61 Tot Yrs)
Observed Volume: 43 kaf (45% Average, 51% Median)



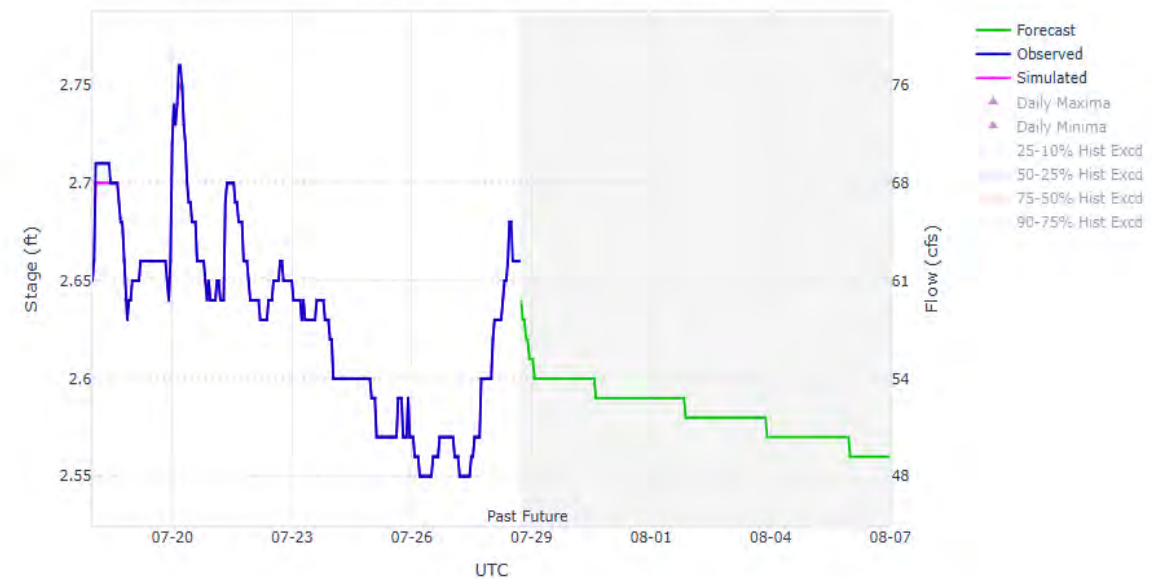
ESP 90/50/10
Official 70/50/30
Official 90/50/10
Observed Accumulation
Normal Accumulation

WOOU1 Historical Volumes

	Year	Volume			
1	1977	26.99			
2	2021	29.27			
3	1992	35.00			
4	2026	46.00	FORECAST	50%	6/1/2026
5	2002	50.31			
6	2013	50.65			
7	2012	51.46			
8	2004	53.76			
9	1988	55.14			
10	1994	57.46			

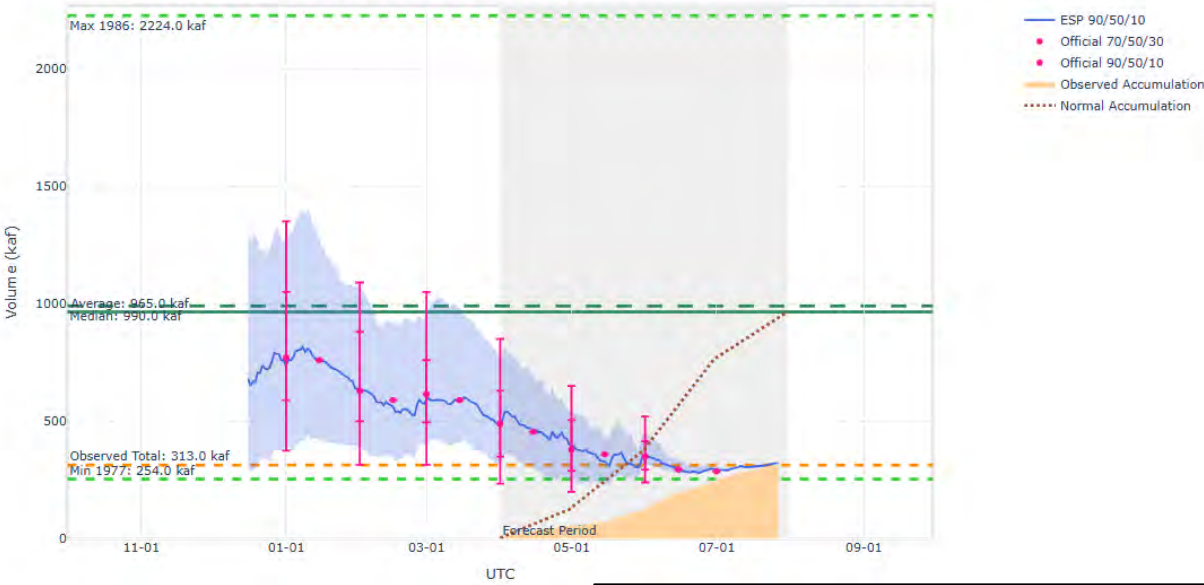
Forecast Hydrograph - Provo - Woodland, Nr (WOOU1) - NOAA/CBRFC

Fcst Date: 07/28/15Z - Latest Ob: 2.66 ft, 63 cfs (07/28/17Z) - Flood: 7.2 ft, 3261 cfs - Action: 6.0 ft, 1856 cfs



2026 Water Supply Forecast - Green - Flaming Gorge Reservoir (GRNU1)

ESP is Unregulated and No Precipitation Forecast Included
Official 50% Fcst (2026-07-01): 287 kaf (30% Avg, 29% Med), (1% of Yrs Below Fcst, 63 Highest Flow / 63 Tot Yrs)
ESP 50% Fcst (2026-07-27): 321 kaf (33% Avg, 32% Med), (1% of Yrs Below Fcst, 63 Highest Flow / 63 Tot Yrs)
Observed Volume: 313 kaf (32% Average, 32% Median)



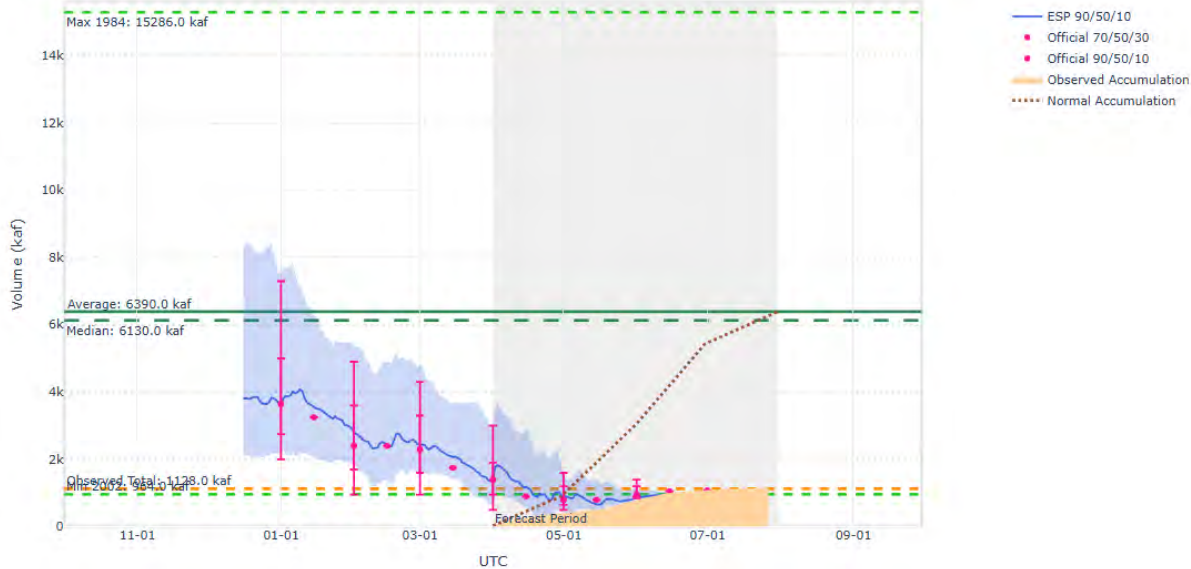
GRNU1 Historical Volumes

	Year	Volume			
1	1977	254.30			
2	2026	287.00	FORECAST	50%	7/1/2026
3	2002	336.29			
4	1992	347.57			
5	2013	360.66			
6	2021	365.15			
7	2007	370.36			
8	2001	439.34			
9	1994	439.75			
10	2003	480.48			



2026 Water Supply Forecast - Colorado - Lake Powell, Glen Cyn Dam, At (GLDA3)

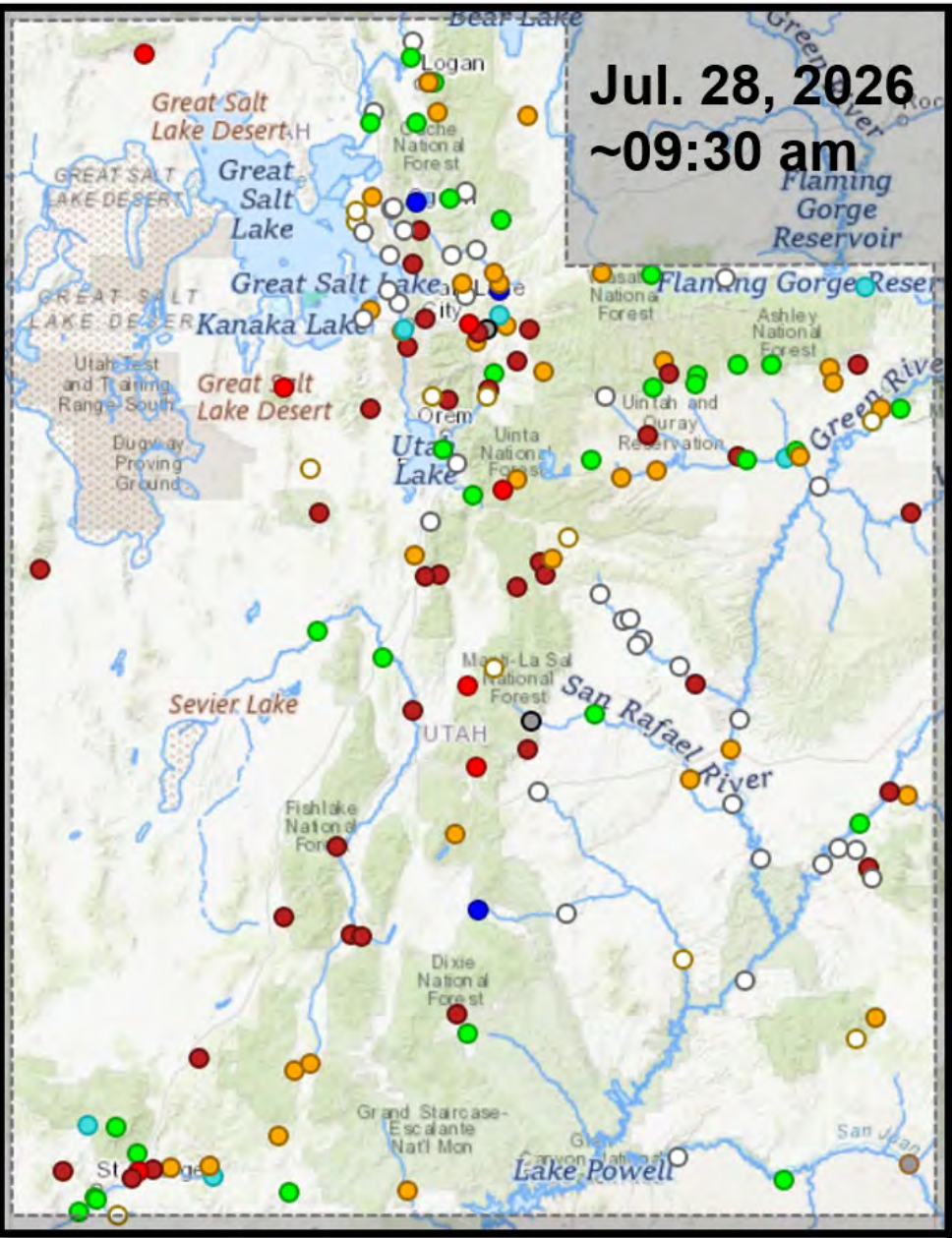
ESP is Unregulated and No Precipitation Forecast Included
Official 50% Fcst (2026-07-01): 1080 kaf (17% Avg, 18% Med), (1% of Yrs Below Fcst, 62 Highest Flow / 62 Tot Yrs)
ESP 50% Fcst (2026-07-27): 1117 kaf (17% Avg, 18% Med), (1% of Yrs Below Fcst, 62 Highest Flow / 62 Tot Yrs)
Observed Volume: 1128 kaf (18% Average, 18% Median)



GLDA3 Historical Volumes

	Year	Volume			
1	2002	963.96			
2	2026	1080.00	FORECAST	50%	7/1/2026
3	1977	1207.93			
4	2021	1826.70			
5	2012	2063.21			
6	2013	2557.47			
7	2018	2602.40			
8	2025	2640.65			
9	1981	3022.66			
10	1990	3184.05			

Current Streamflow Conditions



National Water Dashboard

Day-of-Year Status	Percentage of Gages	
	Jul. 14	Jul. 28
All-time high for this day-of-year	0.0%	0.0%
Much above normal for this day-of-year	0.6%	1.8%
Above normal for this day-of-year	1.2%	3.5%
Normal for this day-of-year	17.1% ■	19.4% ■
Below normal for this day-of-year	18.8% ■	20.0% ■
Much below normal for this day-of-year	21.2% ■	21.8% ■
All-time low for this day-of-year	11.8% ■	4.1% ■
Not ranked - insufficient record	24.1% ■	24.1% ■
Not ranked - stream not flowing	5.3% ■	4.1% ■
Not ranked - no recent measurement	0.0%	1.2%

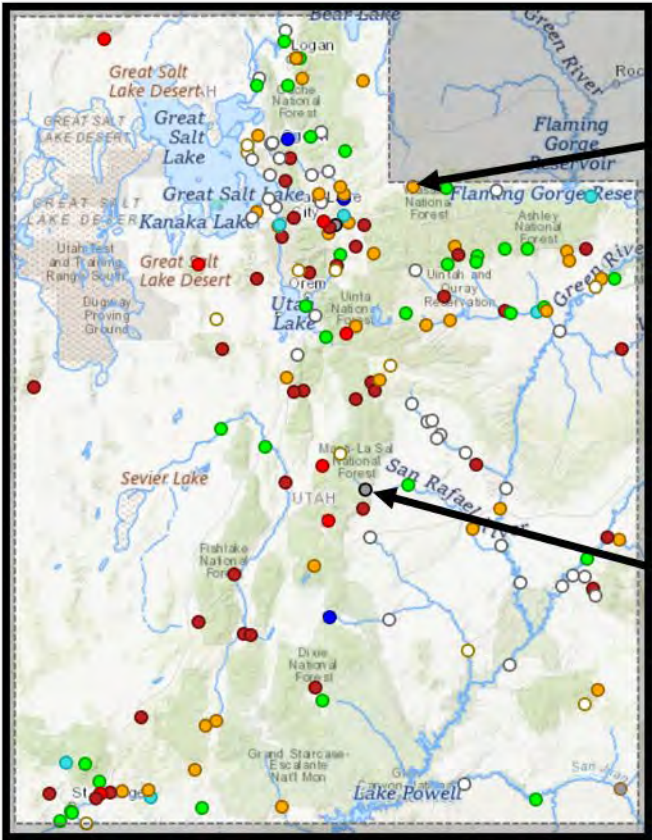
- Above flood stage
- All-time high for this day ■ 100th percentile (maximum)
- Much above normal ■ >90th percentile
- Above normal ■ 76th – 90th percentile
- Normal ■ 25th – 75th percentile
- Below normal ■ 10th – 24th percentile
- Much below normal ■ <10th percentile
- All-time low for this day ■ 0th percentile (minimum)
- Not flowing
- Not ranked
- Measurement flag
- Recent measurement unavailable

Sites must have at least 20 years of streamflow data to be ranked. Data are provisional and subject to revision.

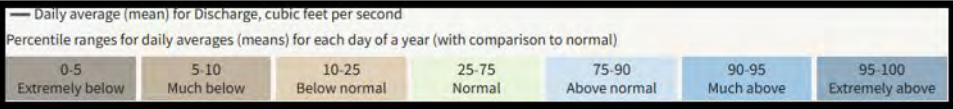
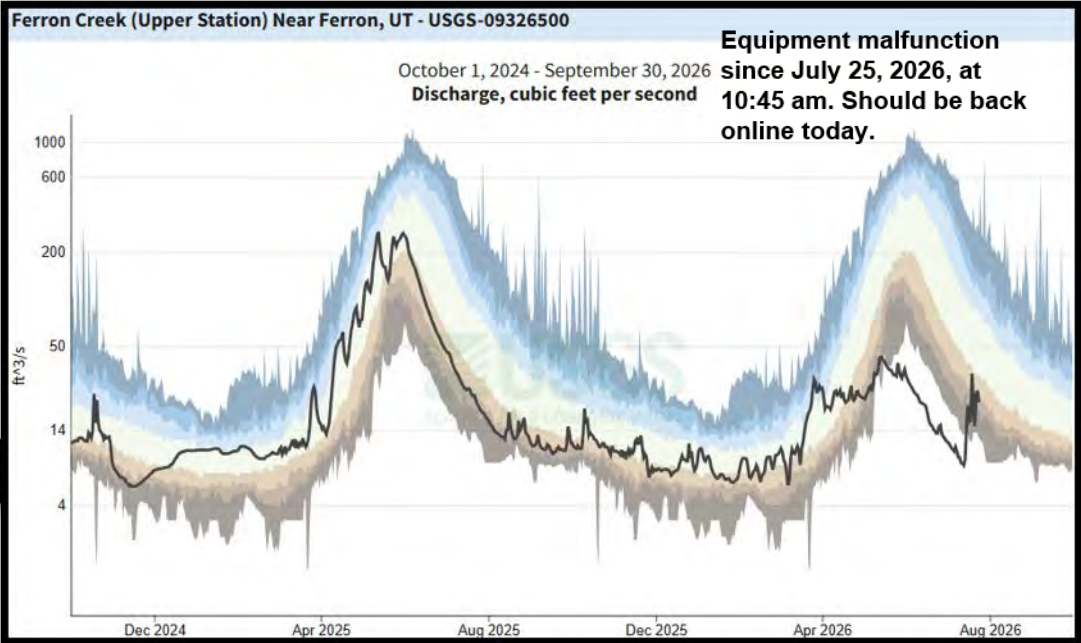
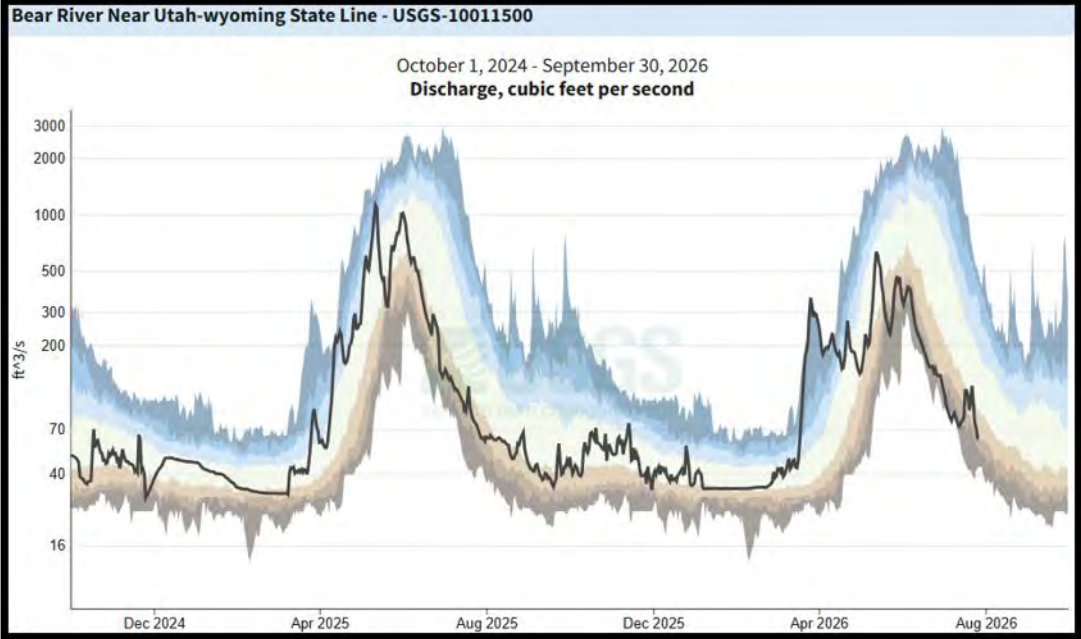
Agency - USGS Utah WSC
Presenter - Ryan Rowland



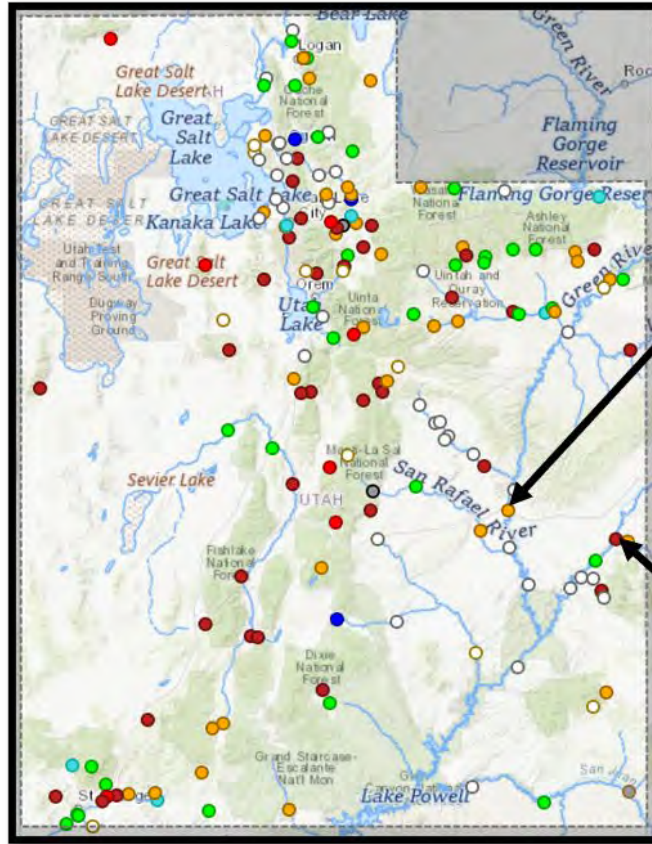
Streamflows at Selected Gages



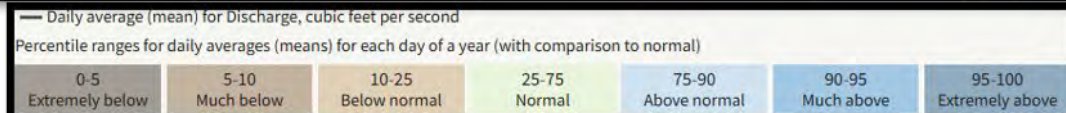
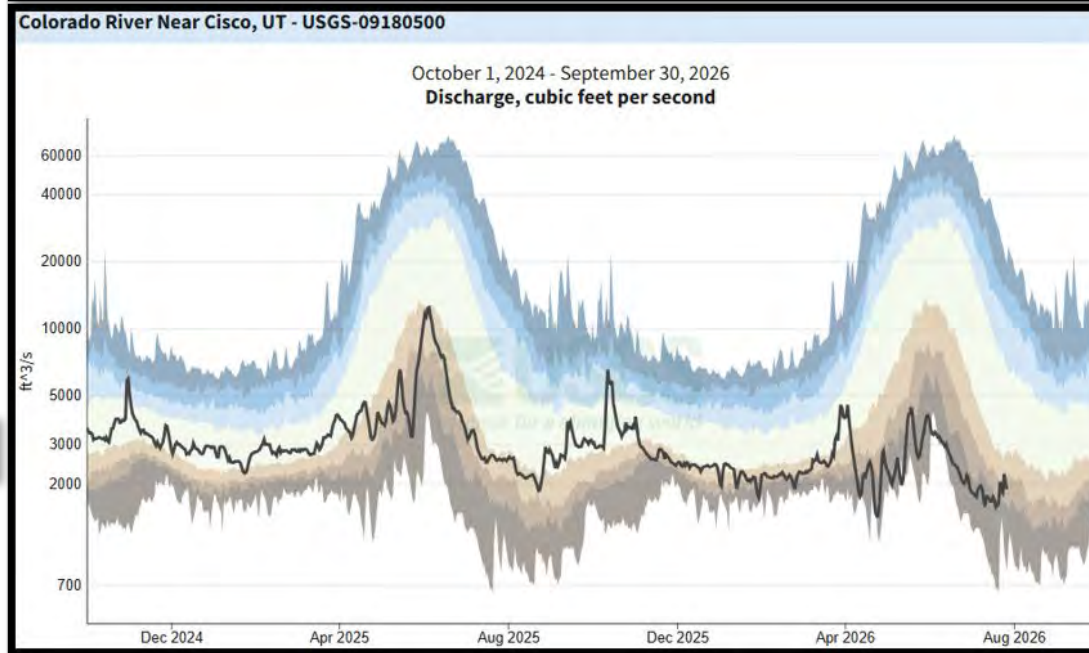
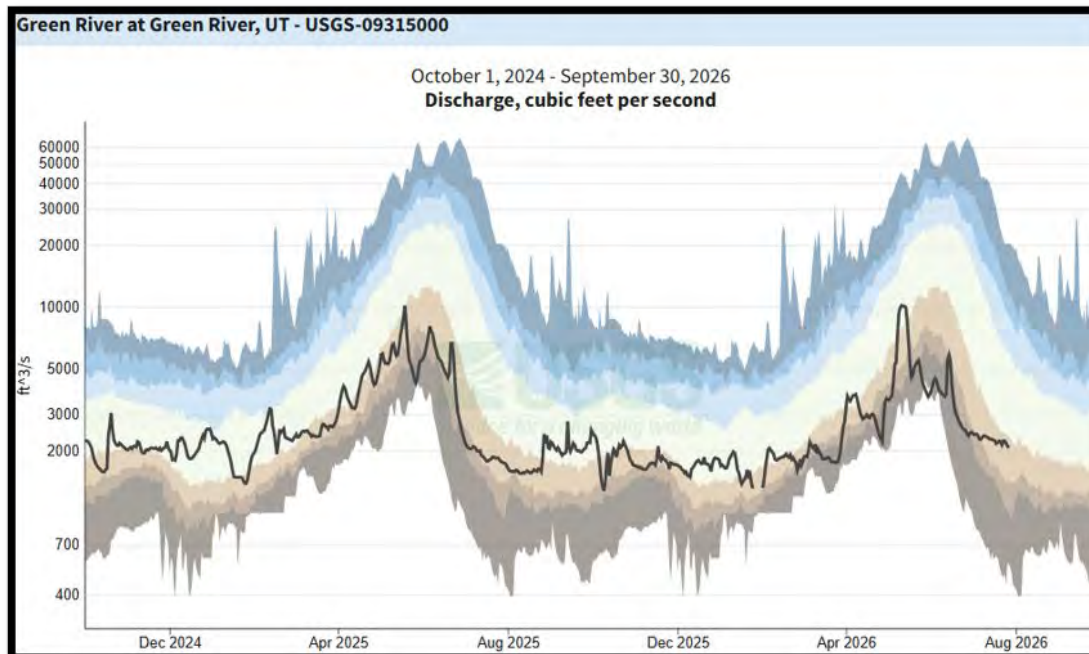
IMPORTANT Data may be provisional



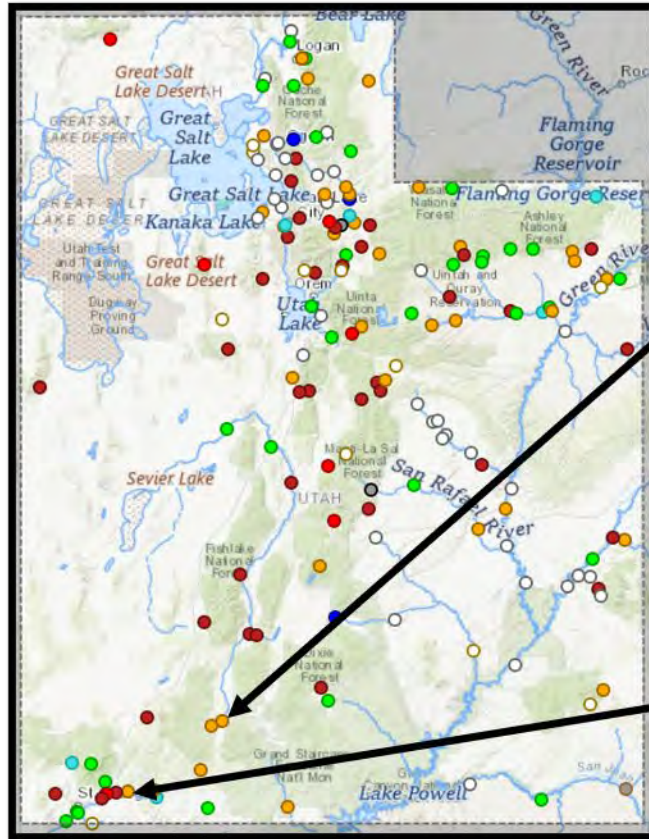
Streamflows at Selected Gages



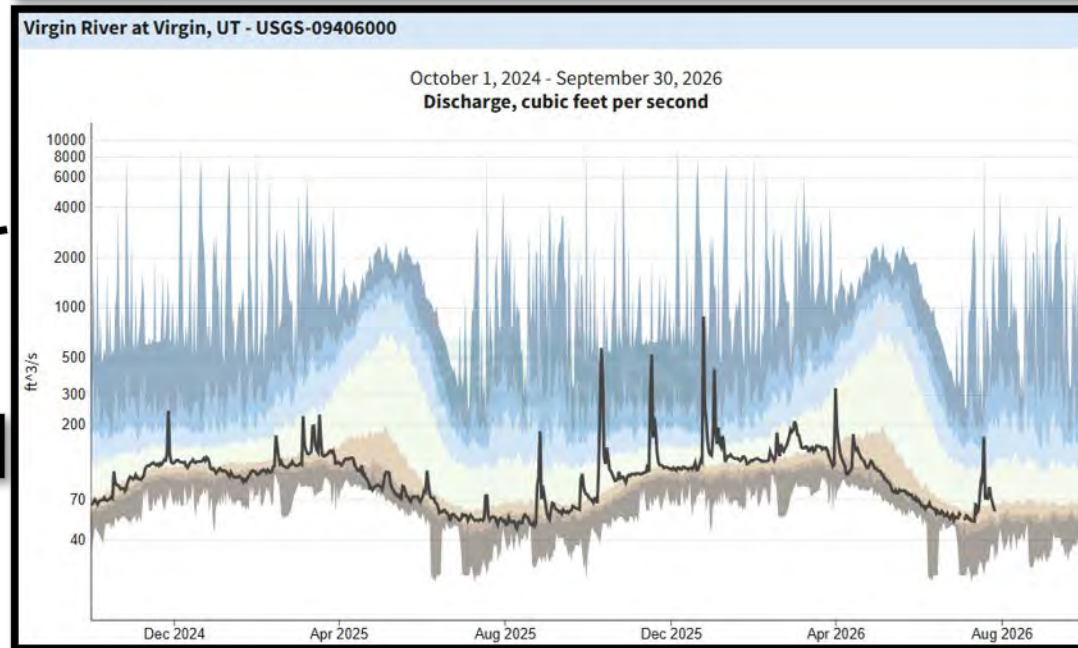
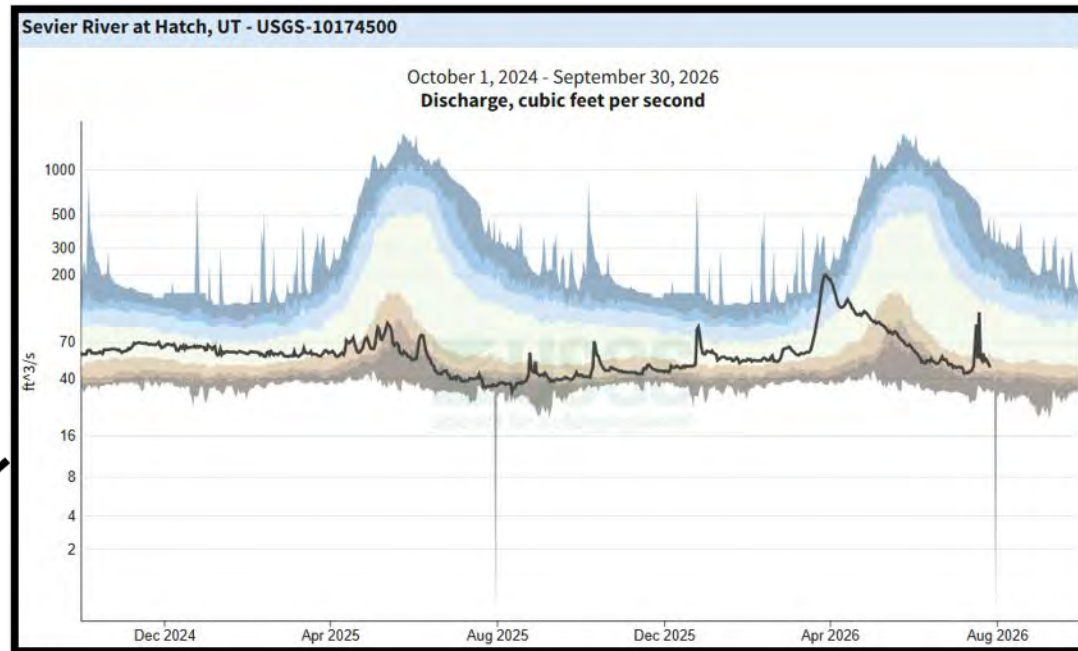
IMPORTANT Data may be [provisional](#)



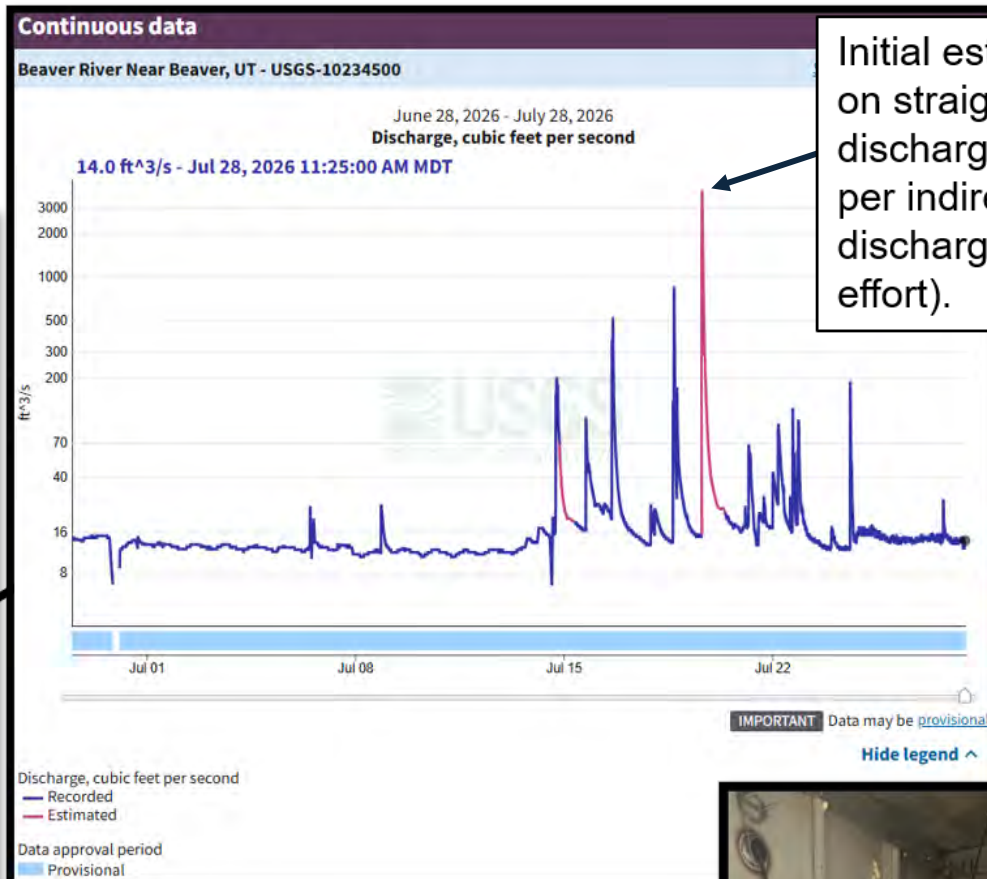
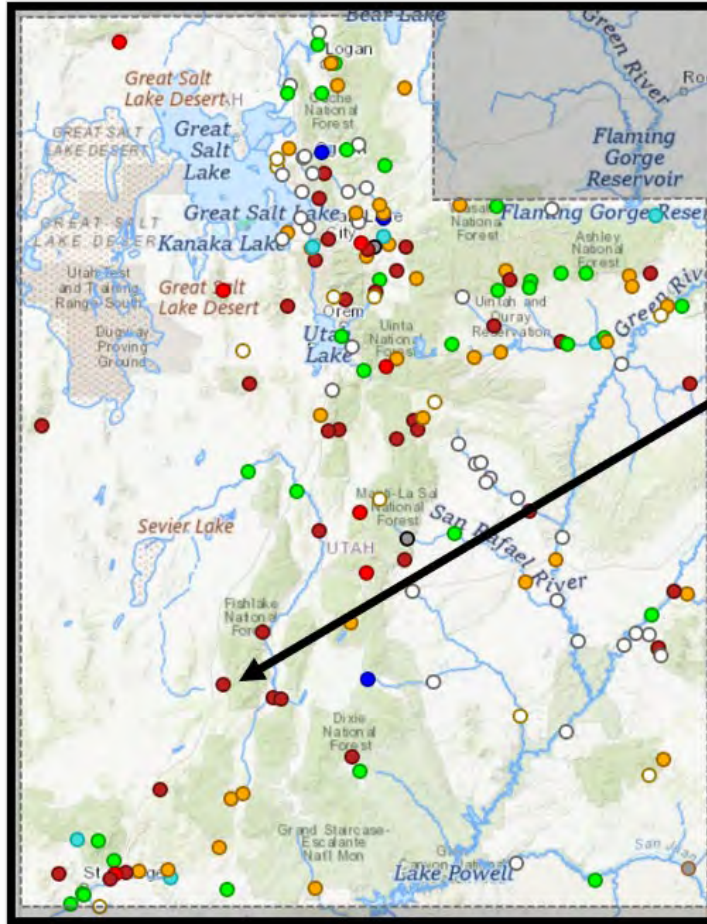
Streamflows at Selected Gages



IMPORTANT Data may be [provisional](#)



Streamflows at Selected Gages



Initial estimate of peak discharge based on straight line extension of stage-discharge rating. This will be revised per indirect measurement of peak discharge (surveying and modeling effort).



Great Salt Lake Water Surface Elevations

Daily Values 07/27/2026

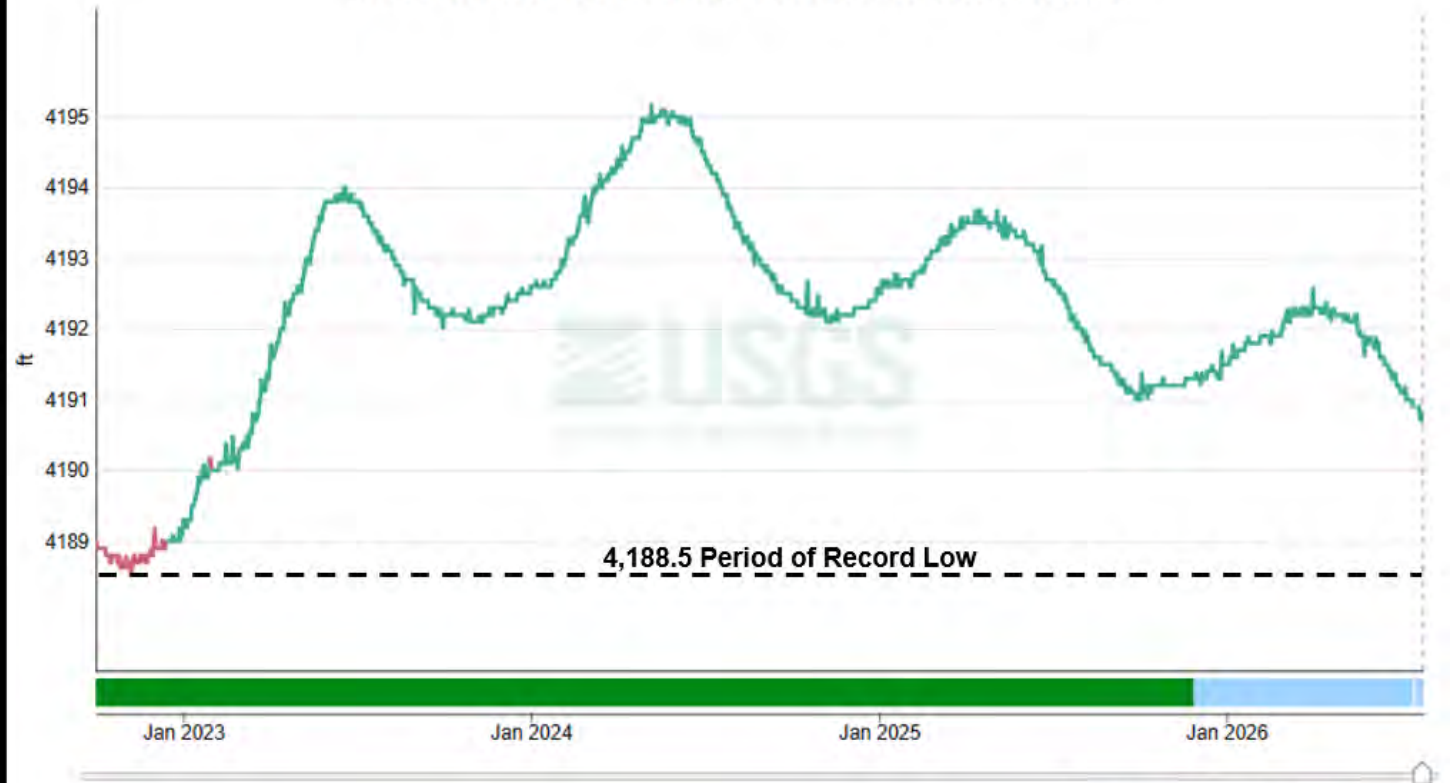
Daily data

Great Salt Lake at Saltair Boat Harbor, UT - USGS-10010000

- using custom time span -

October 1, 2022 - July 27, 2026

Lake or reservoir water surface elevation above NGVD 1929, feet



Lake or reservoir water surface elevation above NGVD 1929, feet

— Mean
— Qualified data - see Graph details table for more information

Data approval period

■ Approved
■ Provisional

IMPORTANT Data may be [provisional](#)

[Hide legend](#) ^

❑ **South Arm**
(Saltair gage):
4,190.7'

❑ **Down 0.3'**
since last
meeting

❑ **North Arm**
(Saline gage,
not shown on
plot):
4,190.3'

❑ **Down 0.2'**
since last
meeting

Agency - USGS Utah WSC

Presenter - Ryan Rowland

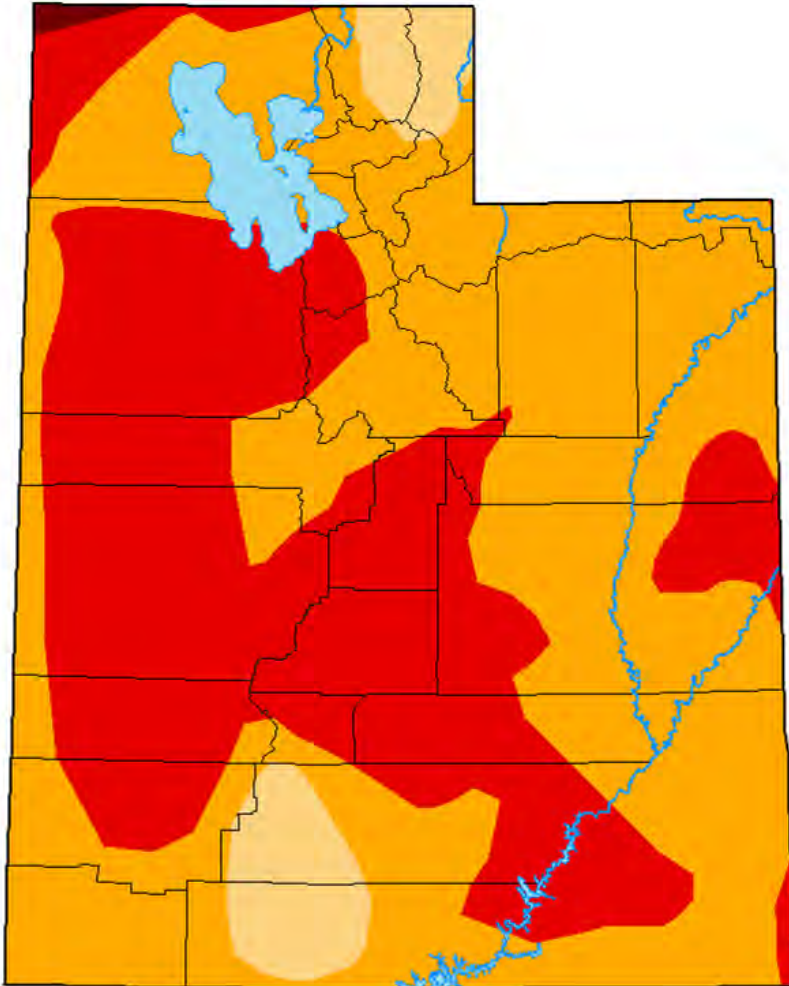


U.S. Drought Monitor Map - Utah

July 21, 2026

(Released July 23, 2026)

Valid 8 a.m. EST



Intensity:



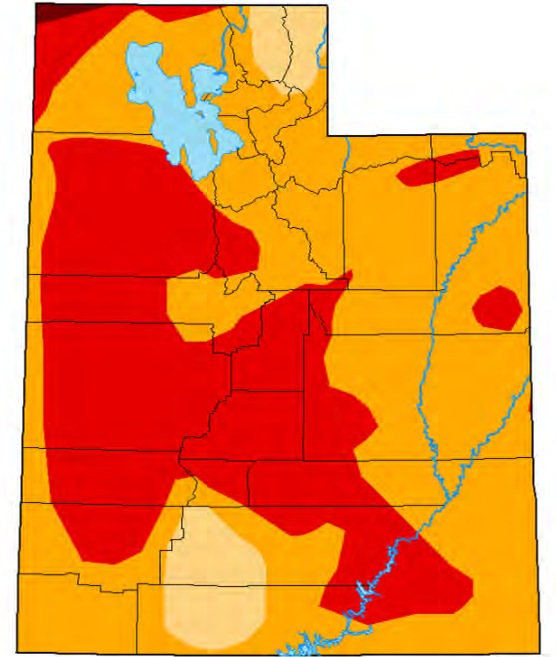
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Rocky Bilotta
NCEI/NOAA



droughtmonitor.unl.edu



To report on conditions between meetings:

Submit a report on CMOR drought website

Email Lhaskell@utah.gov

email drought@utah.gov