

Davis County Town Hall

NWS Salt Lake City, UT

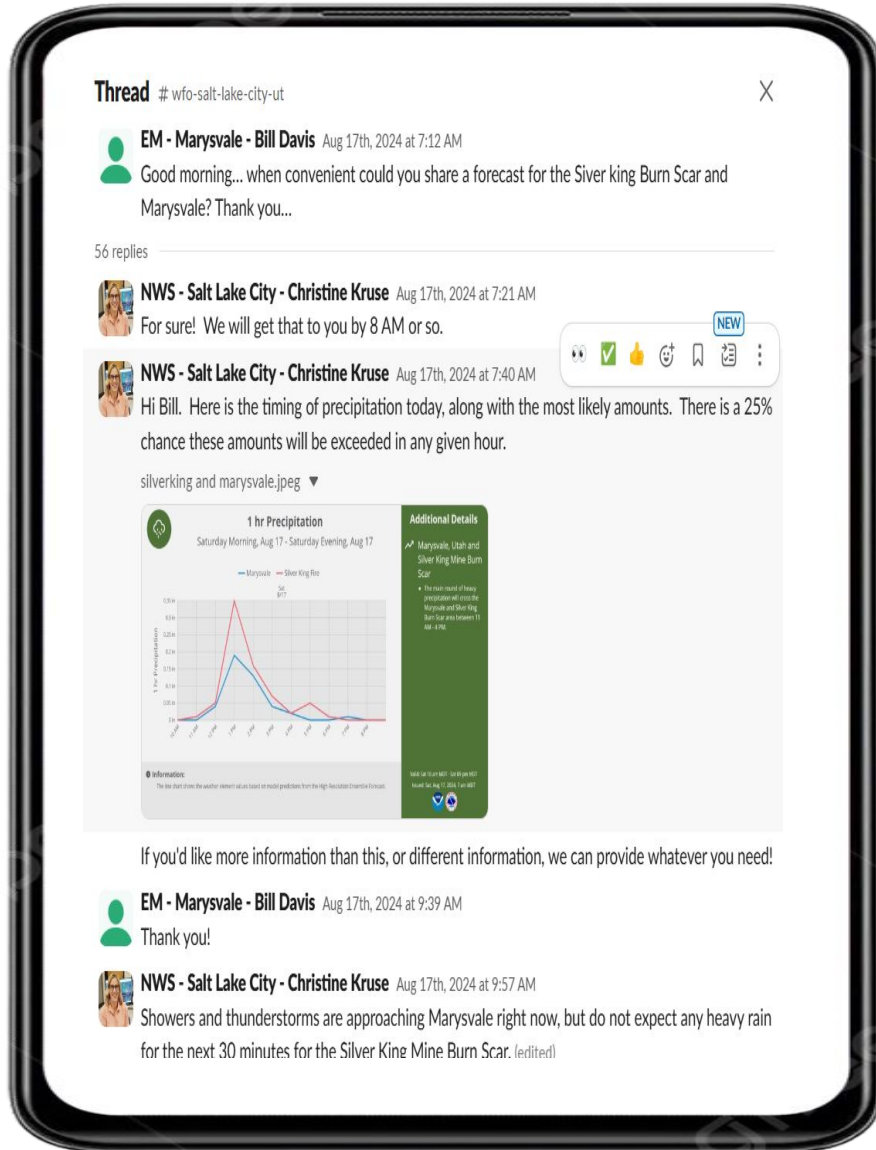
Thursday May 21, 2026

Alex DeSmet, National Weather Service Salt Lake City Warning Coordination Meteorologist





Communicate with us 24/7 through Slack



- **NWSChat 2.0 (Slack): Access via browser, desktop, or mobile app.**
- **24/7 access to our office meteorologists—it's like having one in your pocket!**
- **Join [#wfo-salt-lake-city-ut](#) to chat with us and [#wfo-salt-lake-city-ut-datafeed](#) to follow products.**
- **Note: Accounts are deactivated after 7 months of inactivity; periodic re-validation will be required.**





Our Office

Davis County Town Hall
NWS Salt Lake City
Thursday, May 21 2026



5 Lead Meteorologists, 1
vacant

5 Meteorologists, 4 vacant

4 Managers

1 Senior Hydrologist

1 ITO and 1 OPL

3 Technicians



What Else We Do

- **NWS Operates and maintains 159 weather radars across the country, along with over 1,000 NOAA weather radio sites**
- **NWS owns and operates most weather satellites along with many weather models that feed your phone's weather apps and the news stations**
- **NWS has the SOLE responsibility for issuing the nation's watches/warnings/advisories**





National Weather Service
National Oceanic and Atmospheric Administration

Weather Forecast Office
Salt Lake City, UT
Monday, Jun 9, 2025

Isolated Flash Flooding across Southern Utah Monday; Strong Thunderstorms Northern Utah Wednesday; Critical Fire Weather Conditions Southwestern and East Central Utah Wednesday through Sunday

KEY POINTS

- Isolated flash flooding to portions of central and southern Utah Monday.
- Strong thunderstorms with strong, gusty winds are increasing in likelihood Wednesday across northern Utah and Uinta County, WY.
- Critical fire weather conditions in areas with dry fuels will increase in likelihood Wednesday and continue through Sunday.

WEATHER RISK OUTLOOK

Risk levels incorporate potential impacts from weather hazards and likelihood of occurrence for a reasonable worst case scenario.

	Mon 6/9	Tue 6/10	Wed 6/11	Thu 6/12	Fri 6/13	Sat 6/14	Sun 6/15
Northern Utah and Uinta County, WY			Thunderstorms Strong Wind				
Central Utah	Flash Flooding		Critical Fire Weather Conditions	Critical Fire Weather Conditions	Critical Fire Weather Conditions	Critical Fire Weather Conditions	Critical Fire Weather Conditions
Southern Utah	Flash Flooding		Critical Fire Weather Conditions	Critical Fire Weather Conditions	Critical Fire Weather Conditions	Critical Fire Weather Conditions	Critical Fire Weather Conditions

Risk Levels

Little to None	Minor	Moderate	Major	Extreme
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National Weather Service Overview

Davis County Town Hall
NWS Salt Lake City
Thursday, May 21 2026

- We work 24/7 to protect lives and property. We provide all weather forecasts, watches and warnings for 25 counties in Utah as well as Uinta County, WY (public forecast). More can be found at [weather.gov/slc](https://www.weather.gov/slc). We provide weather radar data, weather observations and NOAA weather radio broadcasts as well as river flow and stage forecasting.
- SPOT weather forecasts (spot.weather.gov) are available viewing. Core partners can submit a request. These forecasts help with planning and response
- Our Meteorologists are available to deploy to Emergency Operations Centers and the Northern Utah Interagency Fire Center to help with wildfire monitoring and response



- Issue **Fire Weather Watches** and **Red Flag Warnings**
- Coordinate with GBCC prior to issuance of both
- Issue twice daily Fire Weather Planning Forecast (FWF)
- Dispatch Incident Meteorologists to large, complex wildfires across the country (IMETs)
- Maintain fire weather products on [weather.gov/slc](https://www.weather.gov/slc)
- Meet with local partners at Interagency Fire Centers and other fire meetings across the state
- Provide heads up calls to dispatch centers for lightning and/or winds approaching a fire
- Produce SPOT forecasts for prescribed burns and wildfires (nearly 700 specifically for fires in 2024)





NEW PDS Red Flag Warning

PDS = Particularly Dangerous Situation

Reserved for:

- Forecast wind gusts in excess of 55 mph or greater, combined with RH below 10%, occurring for at least 3 hours.
- In the judgement of the forecaster, an extreme fire weather environment favorable for rapid fire spread potentially threatening population, transportation routes, etc... is expected.

URGENT - FIRE WEATHER MESSAGE
National Weather Service Norman OK
400 AM MDT Mon Sep 7 2020

...THIS IS A PARTICULARLY DANGEROUS SITUATION...

UTZ478>479-009>011-014>017-021>023-033>038-044-TXZ083>089-152100-
/O.NEW.KOUN.FW.W.0020.180417T1600Z-180418T0200Z/
Salt Lake Desert and Wasatch Mountains
400 AM MDT Mon Sep 7 2020

...PARTICULARLY DANGEROUS SITUATION RED FLAG WARNING FROM MIDNIGHT TONIGHT TO NOON MDT TUESDAY...

* WHAT...For the Cache Valley and Wasatch Front, East winds 25 to 35 mph with gusts of 60 mph are expected. Some locations may see gusts to 75 mph near Farmington, Centerville and the mouth of Weber Canyon.

from NWS Salt Lake City

Extreme Fire Conditions
PARTICULARLY DANGEROUS SITUATION

Red Flag Warning
September 9 until 9pm

Wasatch Front and Cache Valley

Extreme Risk - Take Action

Know your evacuation route | Emergency supply kit | Yield instructions from emergency officials | Stay tuned to local media

THIS IS A PARTICULARLY DANGEROUS SITUATION.
Prepare now for rapid fire growth.

Wasatch Front and Cache Valley | Very rapid fire growth potential

East winds 35-45 mph with gusts in excess of 60 mph | Avoid activities that can cause a spark:
- Target shooting
- Driving on dry grass
- Yard work
- Campfires

8-12 hours of critical conditions expected

minor | moderate | major | extreme

Follow us @NWSaltLakeCity



Web Services - weather.gov/slc

Davis County Town Hall
NWS Salt Lake City
Thursday, May 21 2026

Click a location below for detailed forecast.

Watches, Warnings & Advisories

- Red Flag Warning
- Special Weather Statement
- Air Quality Alert
- Hazardous Weather Outlook

Last Map Update: Sun, Jul 27, 2025 at 10:26:13 pm MDT

Text Product Selector (Selected product opens in current window)

Latest Text Products Issued by SLC

RADAR
 Satellite
 Weather Cameras
 Observations
 Hydrology/Water Supply
 Climate Information
 Forecast Discussion
 Aviation
 Avalanche Weather (Snow/Mountain Weather)
 Avalanche
 Probabilistic Snow
 Monthly Climate Data
 Boating
 Flood Information
 Fire Weather
 Clearing Index
 Submit a Storm Report

weather.gov/wrh/fire?wfo=slc

Fire Weather

Salt Lake City, UT
Weather Forecast Office

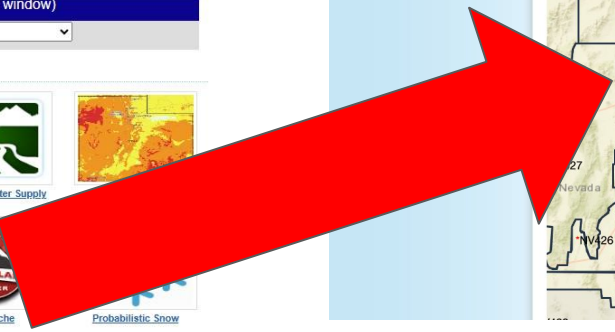
Spot Forecast | Forecasts | Hazards | Status | Fuels | Tools | Admin | Contact

Font: A A A About This Page

Low bandwidth users: Enter state and zone here for Fire Weather Forecast: Zone, ex: UTZ478 Go

Click map for Forecast and Color/Point Forecast Matrices, or enter coordinates: Latitude, ex: 41.1110 Longitude, ex: -113.445 Go

Additional overlays: Fire Perimeters | RADAR | RAWs Observations





Web Services - Fire Weather

NATIONAL WEATHER SERVICE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Fire Weather
Weather.gov > Salt Lake City, UT > Fire Weather

Salt Lake City, UT
Weather Forecast Office

Spot Forecast | Forecasts | Hazards | Status | Fuels | Tools | Admin | Contact

To link to this location, use this url: <https://www.weather.gov/wrh/fire?wfo=slc&LAT=40.4870&LON=-111.8995> Font: A A A About This Page

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Click map for Forecast and Color/Point Forecast Matrices, or enter coordinates: Latitude, ex: 41.1110 Longitude, ex: -113.445 Go

Additional overlays: Fire Perimeters | RADAR | RAWS Observations

Fire Weather Zone Forecast | Fire Weather Color Matrix | Point Forecast Matrix



Fire Weather Zone Forecast | Fire Weather Color Matrix | Point Forecast Matrix

Fire Weather Discussion print this page

NUS55 KSLC 290932
FWFSLC

Fire Weather Planning Forecast for Utah
National Weather Service Salt Lake City UT
332 AM MDT Tue Jul 29 2025

... **RED FLAG WARNING REMAINS IN EFFECT UNTIL 9 PM MDT WEDNESDAY FOR WIND AND LOW RELATIVE HUMIDITY FOR FIRE WEATHER ZONES 493, 495, AND 496...**

BROADCAST DISCUSSION...Very dry conditions combined with gusty winds will bring critical fire weather conditions through Wednesday, mainly across portions of southern Utah. Some increase in moisture is expected Thursday onward for southeast Utah, with much of the remainder of the state remaining quite dry.

DISCUSSION...High pressure will keep conditions over the majority of the state very dry through Wednesday, particularly across western Utah. A small amount of moisture will creep into southeast Utah this afternoon before the airmass dries further arawide for Wednesday. With a bit less wind today, fire danger will be slightly lower than Monday, but the very dry conditions will continue to result in critical fire weather conditions over portions of southern Utah. With the airmass becoming even drier with very poor overnight recoveries and increasing winds, critical fire weather conditions will be more widespread on Wednesday. Moisture will then increase somewhat again over southeast Utah for the latter part of the week as the remainder of the state remains quite dry.

Thunderstorms imply strong, gusty and erratic winds
All winds are 20 foot, 10-minute averages

Fire Weather Forecast for UTZ478

UTZ478-300030-
Salt Lake Desert-
332 AM MDT Tue Jul 29 2025

.TODAY...
Sky/weather.....Partly sunny (50-60% cloud cover) until 1200, then sunny (10-20% cloud cover).
Chance lightning...0%.
CR.....0%.
Max temperature....89-97 near 5000 feet.
76-92 near 8000 feet.
24 hr trend.....2 degrees warmer.
Min humidity.....5-15%.
24 hr trend.....2% wetter.
20-foot winds.....Upslope/upvalley 5-10 mph.
12K ft MSL winds...South around 20 mph.
Mixing height.....16100 ft AGL.
Climatology.....95-97th Percentile.
Clearing Index.....1000+.

.TONIGHT...
Sky/weather.....Partly cloudy (35-45% cloud cover).
Chance lightning...0%.
CR.....0%.
Min temperature....59-69 near 5000 feet.
56-65 near 8000 feet.
24 hr trend.....1 degree cooler.
Max humidity.....25-35%.
24 hr trend.....5% wetter.
20-foot winds.....Downslope/downvalley 5-10 mph.
12K ft MSL winds...Southwest 10-15 mph.

.WEDNESDAY...
Sky/weather.....Partly sunny (50-60% cloud cover) until 1200, then partly cloudy (25-35% cloud cover).
Chance lightning...0%.
CR.....0%.
Max temperature....89-96 near 5000 feet.
75-92 near 8000 feet.
24 hr trend.....Unchanged.
Min humidity.....5-15%.
24 hr trend.....Unchanged.
20-foot winds.....Upslope/upvalley 5-10 mph.
12K ft MSL winds...South 15-20 mph.
Mixing height.....16300 ft AGL.
Climatology.....90-95th Percentile.
Clearing Index.....1000+.

.FORECAST DAYS 3 THROUGH 7...
.THURSDAY...Mostly clear. Lows in the lower 60s in the valleys and in the upper 50s in the mountains. Highs in the lower 90s in the valleys and in the upper 70s in the mountains. Winds generally less than 15 mph.
.FRIDAY...Mostly clear. Lows in the lower 60s in the valleys and in the upper 50s in the mountains. Highs around 90 in the valleys and in the mid 70s in the mountains. Winds generally less than 15 mph.



Web Services - Fire Weather

NATIONAL WEATHER SERVICE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Fire Weather
Weather.gov > Salt Lake City, UT > Fire Weather

Salt Lake City, UT
Weather Forecast Office

Spot Forecast | Forecasts | Hazards | Status | Fuels | Tools | Admin | Contact

To link to this location, use this url: <https://www.weather.gov/wrh/fire?wfo=slc&LAT=40.4870&LON=-111.8995> Font: A A A About This Page

Low bandwidth users: Enter state and zone here for Fire Weather Forecast: Zone, ex: UT2478 Go
Click map for Forecast and Color/Point Forecast Matrices, or enter coordinates: Latitude, ex: 41.1110 Longitude, ex: -113.445 Go

Additional overlays: Fire Perimeters | RADAR | RAWs Observations

Fire Weather Watch
Red Flag Warning

Fire Weather Zone Forecast | Fire Weather Color Matrix | Point Forecast Matrix



Fire Weather Zone Forecast | **Fire Weather Color Matrix** | Point Forecast Matrix

Forecast Matrix for 40.4870 -111.8995

For Planning Purposes Only, Request a SPOT for a quality-controlled Official Forecast

	Tue Jul 29	Wed Jul 30	Thu Jul 31	Fri Aug 01	Sat Aug 02	Sun Aug 03
Min Humidity (%)	10	9	12	13	15	14
Max Wind Gust (mph)	22	21	24	20	20	20
Wind Direction *	S	S	S	S	SW	NW
Max Temperature (F)	97	97	94	93	93	91
Max Humidity (%)	26	22	23	29	29	26
Cloud Cover @1500 (%)	8	9	16	11	14	13
Probability of Precip (%)	0	7	6	3	4	3

	Values that Indicate Neutral or Suppressed Fire Conditions	Values that Indicate Elevated Fire Conditions	Values that Indicate Critical/Extreme Fire Conditions
Min Humidity Criteria:	>= 25 %	16 to 24 %	<= 15 %
Max Wind Gust Criteria:	<= 20 mph	21 to 29 mph	>= 30 mph
Wind Direction Criteria:	Criticality of wind direction highly dependent on burn operations and/or structures threatened. Direction matches timing of max gust.		
Max Temp. Criteria:	<= 82 ° F	83 to 97 ° F	>= 98 ° F
Max Humidity Criteria:	>= 55 %	35 to 54 %	<= 34 %
Cloud Cover Criteria:	>= 40 %	< 39 %	
Probability of Precip Criteria:	>= 40 %	< 39 %	



Clearing Index and Smoke Management

- Produce Clearing Index Forecast 2x Daily
- Smoke Management Forecast issued by 5am
- <https://www.weather.gov/slc/ClearingIndex>

Click a location below for detailed forecast.

Watches Warnings & Advisories

Red Flag Warning

Special Weather Statement

Air Quality Alert

Hazardous Weather Outlook

Text Product Selector (Selected product opens in current window)

Latest Text Products Issued by SLC

RADAR, Satellite, Weather Camera, Observations, Hydrology/Water Supply, HeatRisk, Climate Information, Forecast Discussion, Aviation, Avalanche, Avalanche Warning (Snow/Mountain), Clearing Index, Submit a Report

Clearing Index

Weather.gov > Salt Lake City, UT > Clearing Index

Salt Lake City, UT
Weather Forecast Office

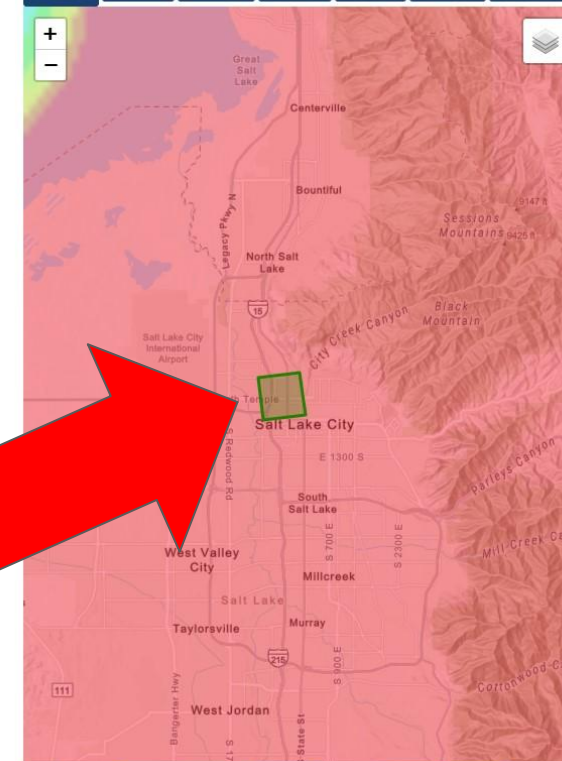
Current Hazards Current Conditions Radar Forecasts Rivers and Lakes Climate and Past Weather Local Programs

Interactive Clearing Index Map Clearing Indices Graphical Clearing Index Clearing Index by Air Shed About the Clearing Index

Overlays created: Sun Jul 27 2025, 10:18 PM MDT

Clicking on the map will generate a Clearing Index table for the next 7 days for that location

Mon Jul 28 Tue Jul 29 Wed Jul 30 Thu Jul 31 Fri Aug 01 Sat Aug 02 Sun Aug 03



Clearing Index Forecast for
40.7783N -111.8902W (Elev 4297FT)
2 miles E of Salt Lake City, UT
Issued by National Weather Service [WFO_SLC](#)
305 PM MDT Sun Jul 27 2025

	12am	6am	12pm	6pm	Daily Max
Sun Jul 27	--	--	2571	2222	2571
Mon Jul 28	157	1355	3013	2022	3013
Tue Jul 29	145	300	3148	1992	3148
Wed Jul 30	145	251	3080	2358	3080
Thu Jul 31	148	491	3495	2383	3495
Fri Aug 01	157	321	2172	1721	2172
Sat Aug 02	153	807	2534	1707	2534

Click [here](#) for a weather table link for this location



24/7 Support

- **24/7 Fire Weather Number: 801-524-5066**
- **Available for over the phone briefing during IA**
- **Planning: looking for favorable burning windows for rx**
- **Spot Weather Forecasts whenever needed!**
 - spot.weather.gov
 - **Curious how to submit a spot? Check out video on our YouTube page at youtube.com/nwssaltlakecity**

Spot Forecast Request

NWS Home News Organization

New Request Monitor Calendar

Layers Markers Station Markers

LEGEND

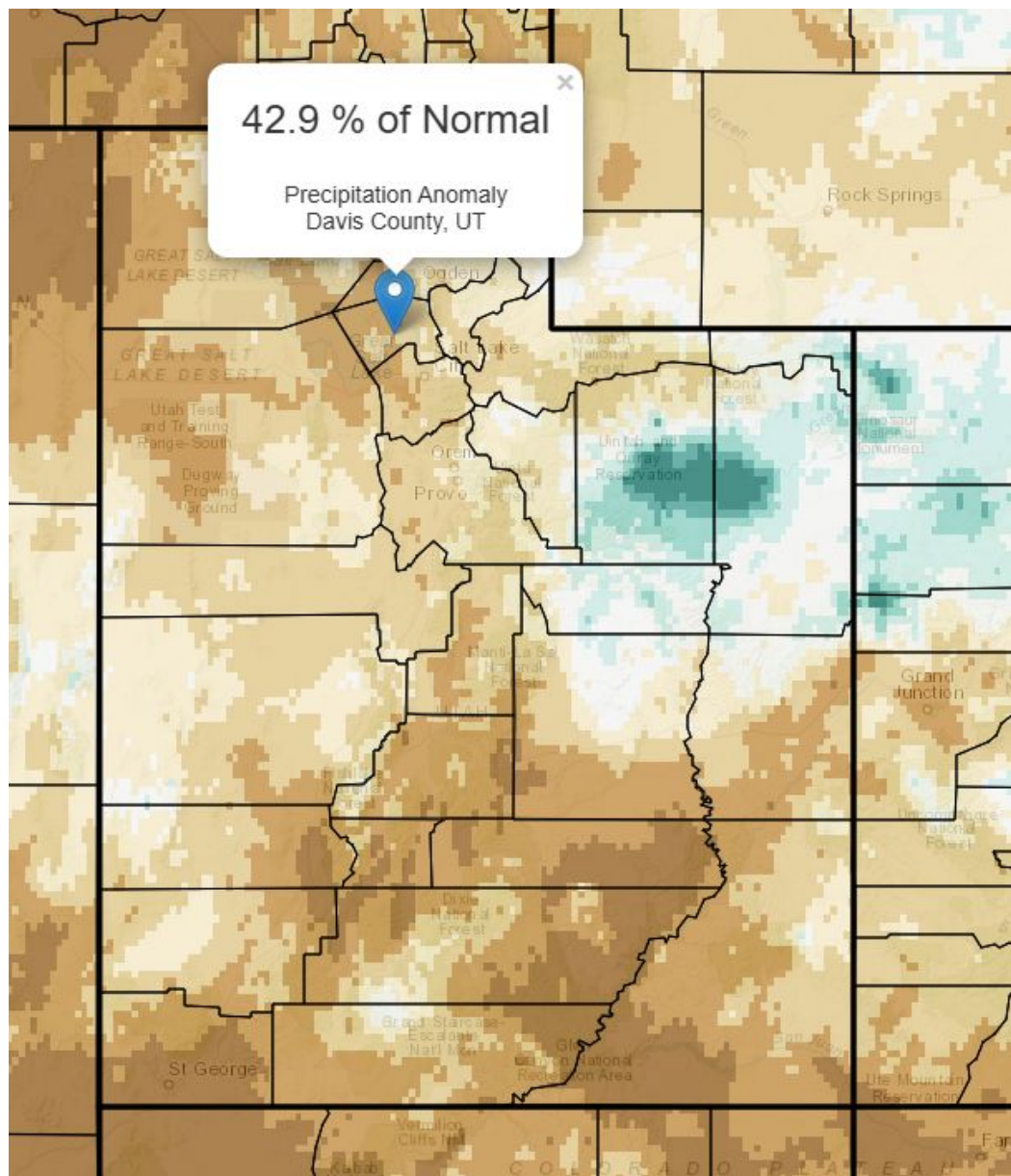
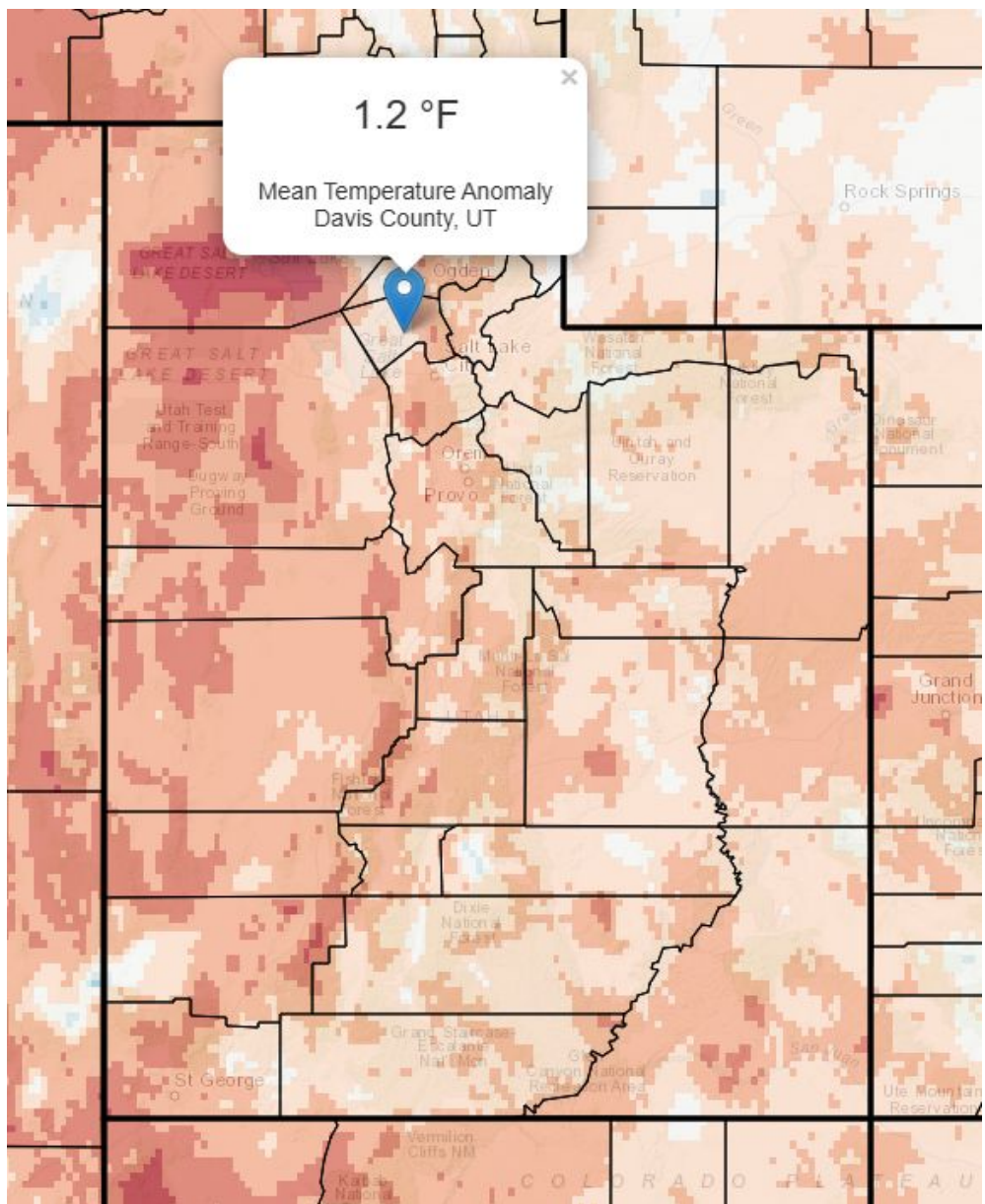
W = Wildfire P = Prescribed Fire M = Marine H = HAZMAT S = SAR O = Volcano, Earthquake, Special Event

● Complete ● Pending

ID	Name	Type	Submission Time	Deliver Time ↑	WFO	Actions
2518772	Horse Fire	Wildfire	07/28/2025 16:37 MDT	07/29/2025 7:00 MDT	RIW	Submit Obs Map
2518368	Morgan County Fair	Volcano, Earthquake, Special Eve...	07/21/2025 11:12 MDT	07/30/2025 10:00 MDT	SLC	Submit Obs Map
2517973	Duchesne County Fair	Volcano, Earthquake, Special Eve...	07/14/2025 8:07 MDT	07/31/2025 8:00 MDT	SLC	Submit Obs Map
2518757	Bluffdale Old West Days	Volcano, Earthquake, Special Eve...	07/28/2025 14:24 MDT	08/04/2025 12:00 MDT	SLC	Submit Obs Map
2518760	Bluffdale Old West Days	Volcano, Earthquake, Special Eve...	07/28/2025 14:27 MDT	08/06/2025 11:00 MDT	SLC	Submit Obs Map
2518761	Bluffdale Old West Days	Volcano, Earthquake, Special Eve...	07/28/2025 14:31 MDT	08/06/2025 12:00 MDT	SLC	Submit Obs Map
2518076	Weber County Fair	Volcano, Earthquake, Special Eve...	07/15/2025 14:45 MDT	08/06/2025 8:00 MDT	SLC	Submit Obs Map
2518770	Cache county Fair and Rodeo	Volcano, Earthquake, Special Eve...	07/28/2025 16:07 MDT	08/06/2025 7:00 MDT	SLC	Submit Obs Map
2518762	Bluffdale Old West Days	Volcano, Earthquake, Special Eve...	07/28/2025 14:32 MDT	08/07/2025 12:00 MDT	SLC	Submit Obs Map
2518365	LIB State Games Fireworks/Ob...	Volcano, Earthquake, Special Eve...	07/21/2025 9:21 MDT	08/08/2025 12:00 MDT	SLC	Submit Obs Map



30 Day – Temp and Precip Anomaly

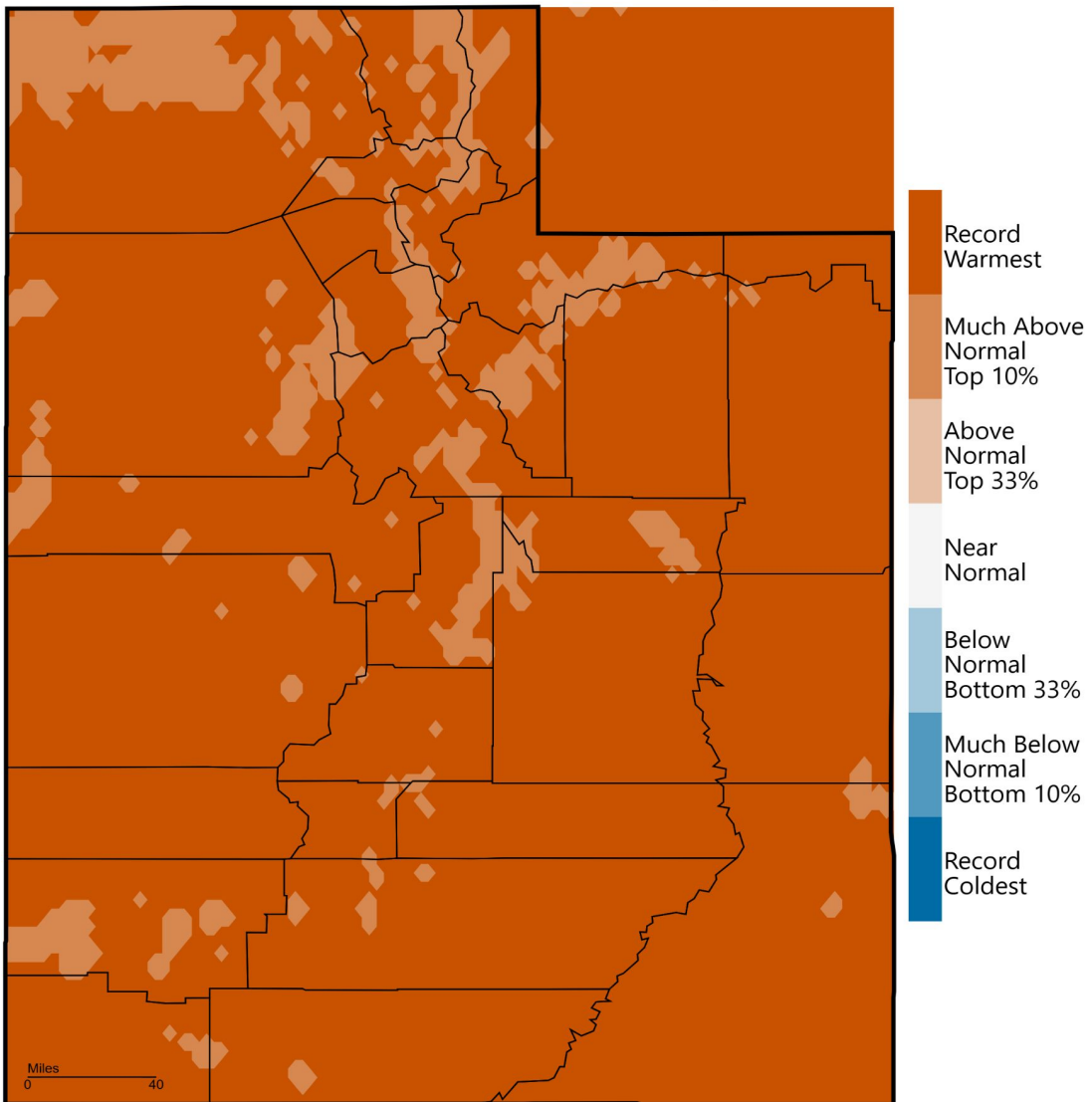




Water Year Recap (Oct - Mar)

Utah - Mean Temperature

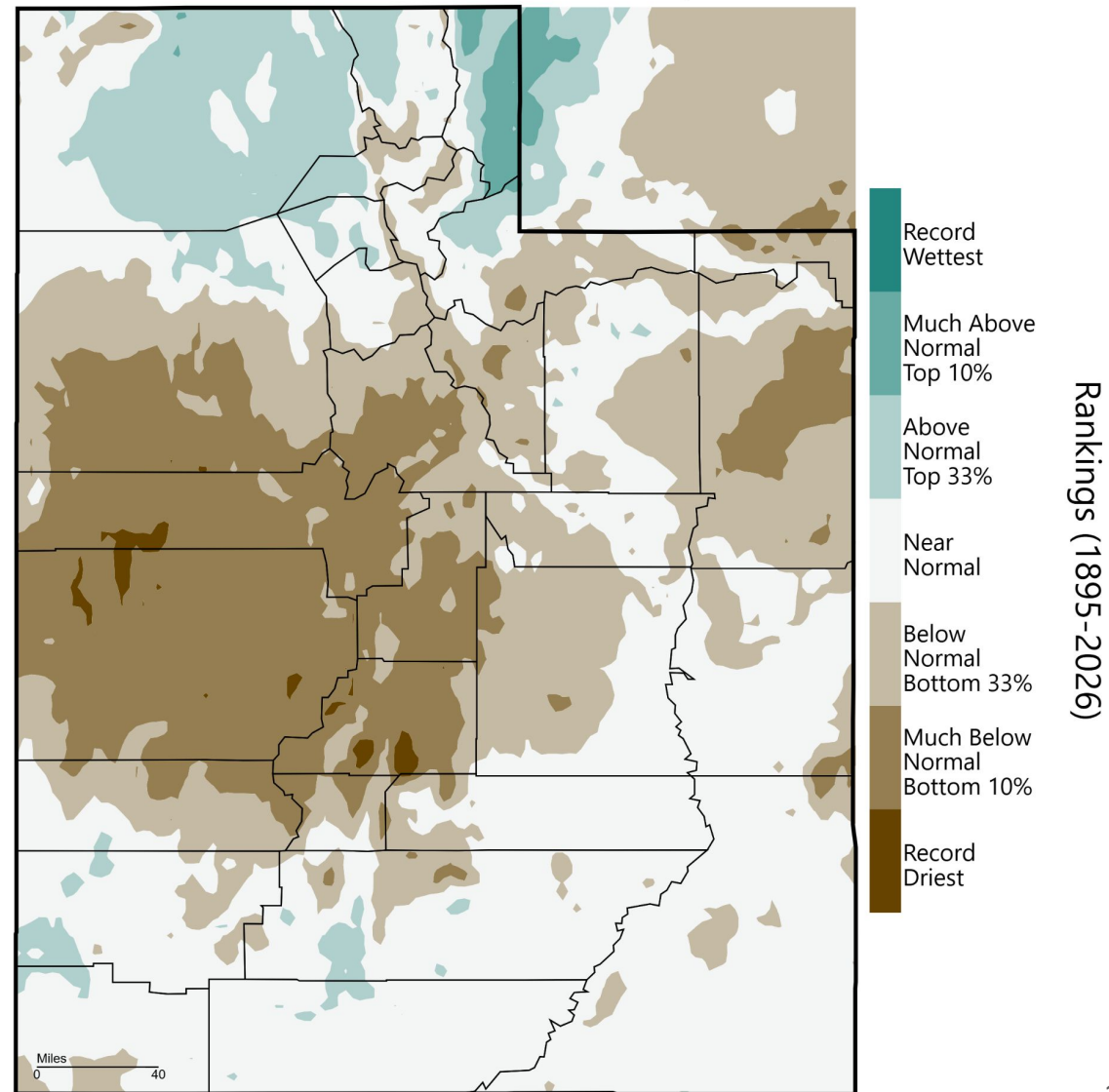
October 2025 - March 2026, Percentile



WestWide Drought Tracker, WRCC, Climate Engine, Data Source: PRISM Prelim, created 05 Apr 2026

Utah - Precipitation

October 2025 - March 2026, Percentile



WestWide Drought Tracker, WRCC, Climate Engine, Data Source: PRISM Prelim, created 05 Apr 2026



Latest Drought Conditions

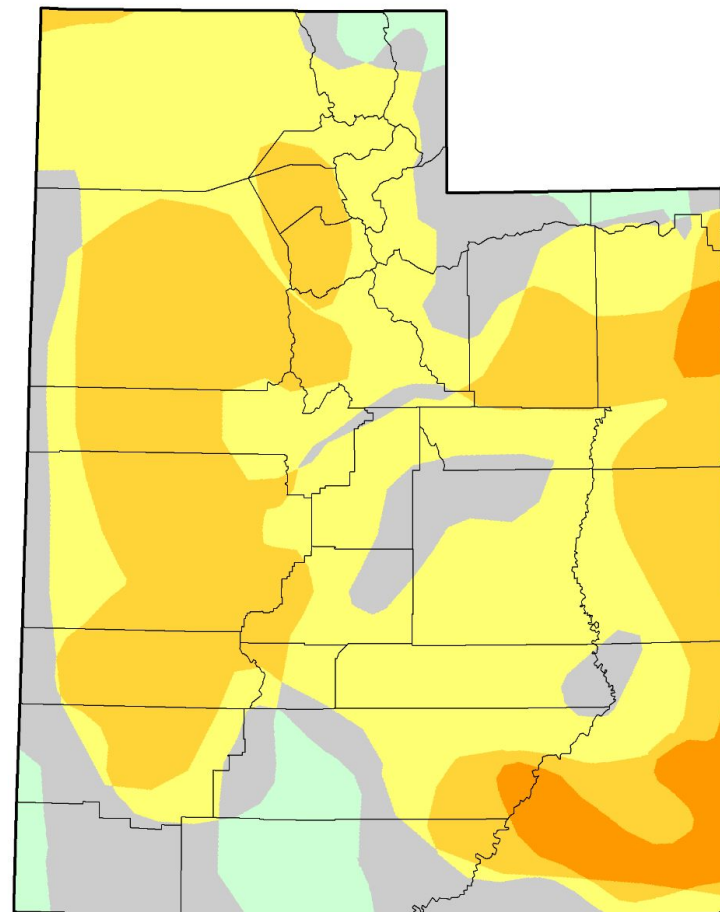
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NWS Salt Lake City
Thursday, May 21 2026

94% in severe drought

60% in extreme drought

1% in exceptional drought

U.S. Drought Monitor Class Change - Utah
26 Week



May 5, 2026
compared to
November 4, 2025

droughtmonitor.unl.edu



- 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

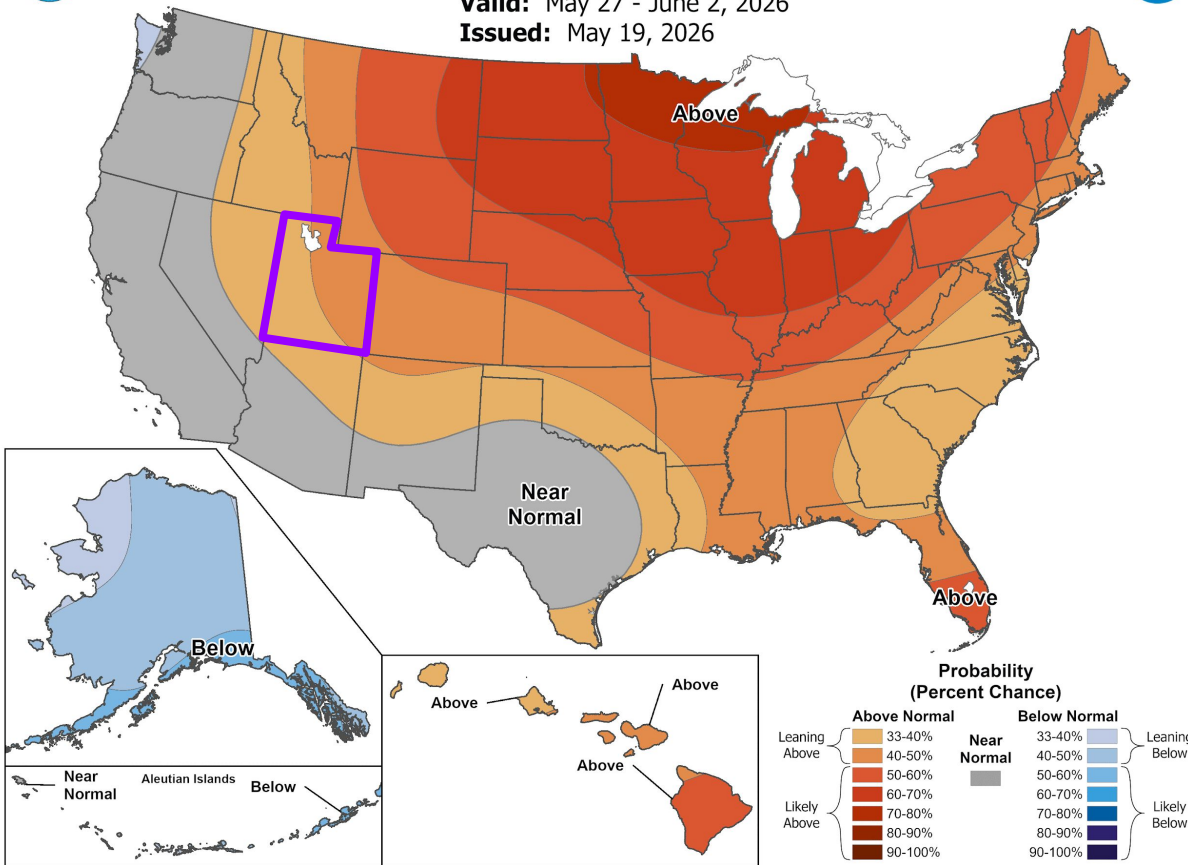


8-14 Day Outlook

Davis County Town Hall
NWS Salt Lake City, UT
Thursday, May 21, 2026

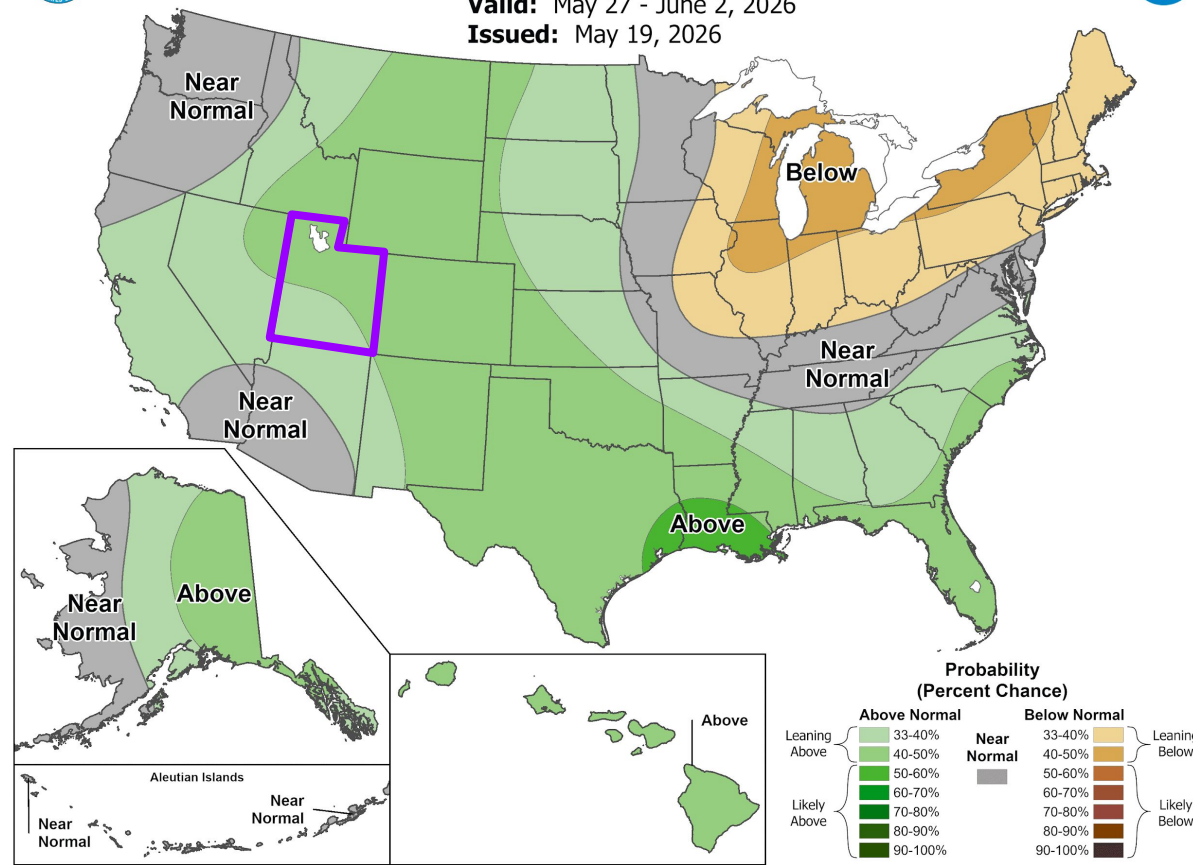
8-14 Day Temperature Outlook

Valid: May 27 - June 2, 2026
Issued: May 19, 2026



8-14 Day Precipitation Outlook

Valid: May 27 - June 2, 2026
Issued: May 19, 2026



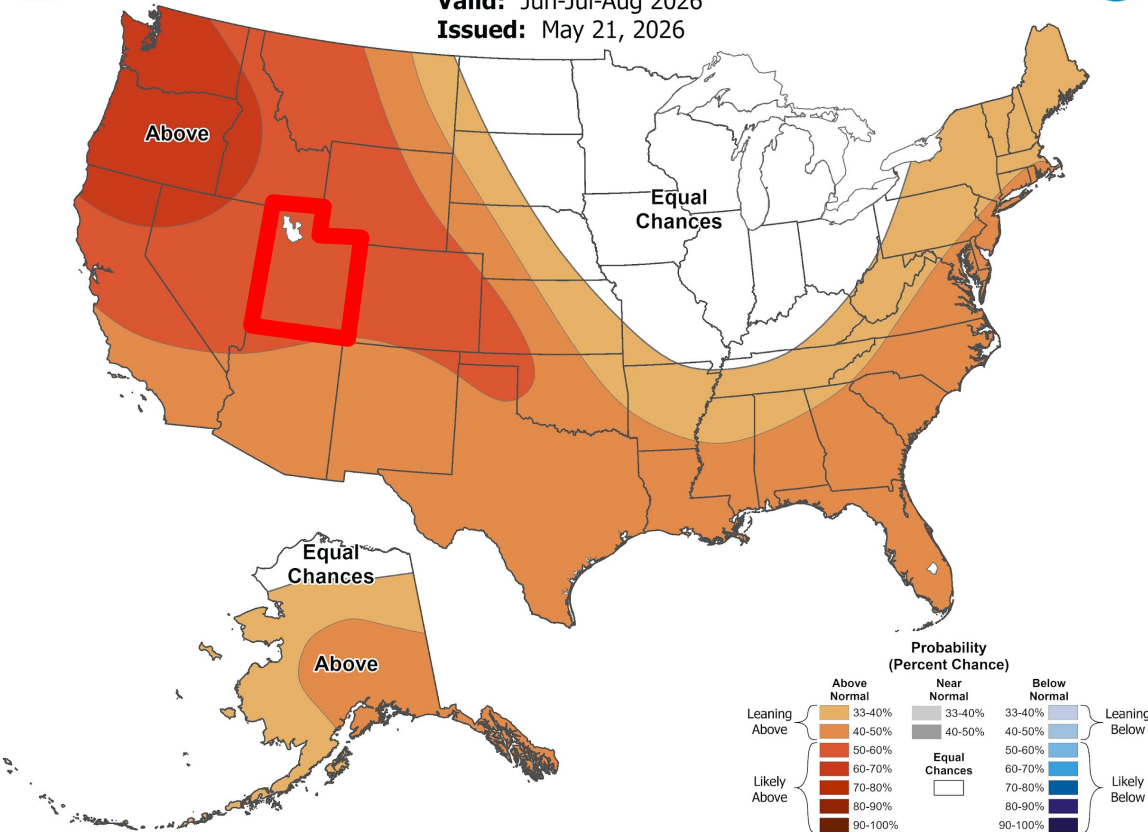


CPC Seasonal Outlook



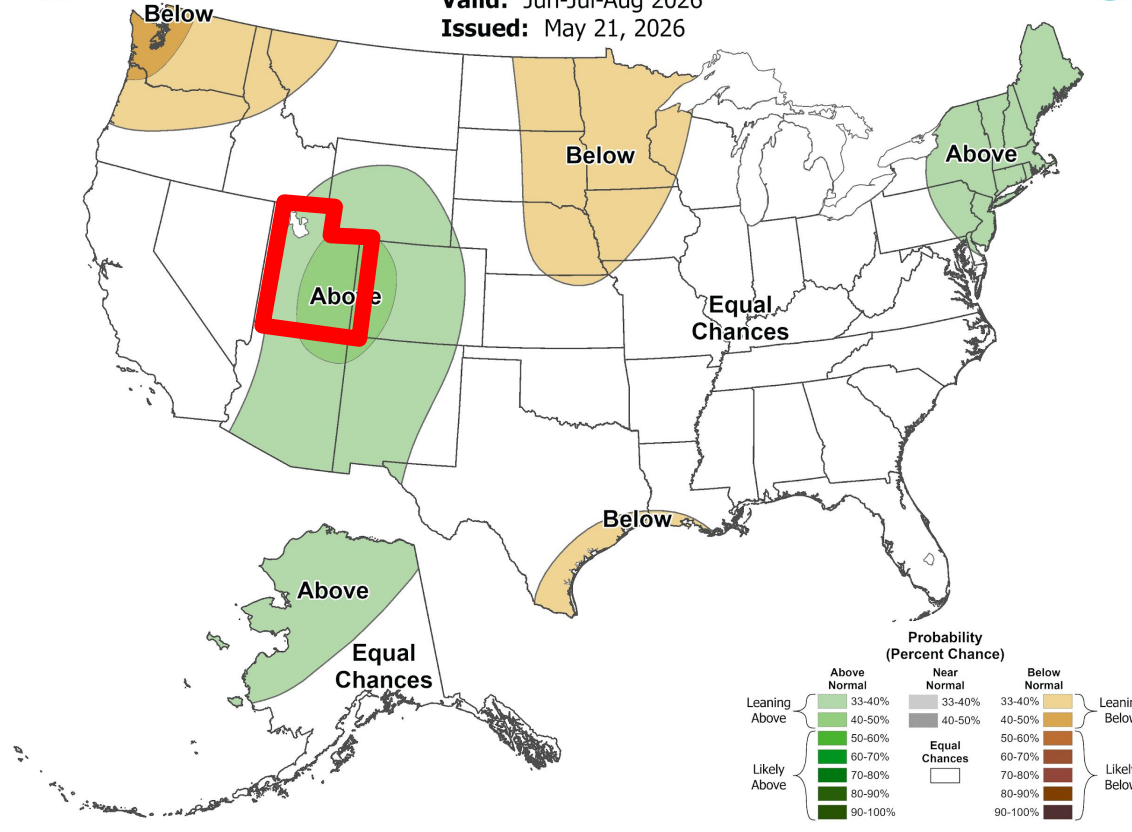
Seasonal Temperature Outlook

Valid: Jun-Jul-Aug 2026
Issued: May 21, 2026



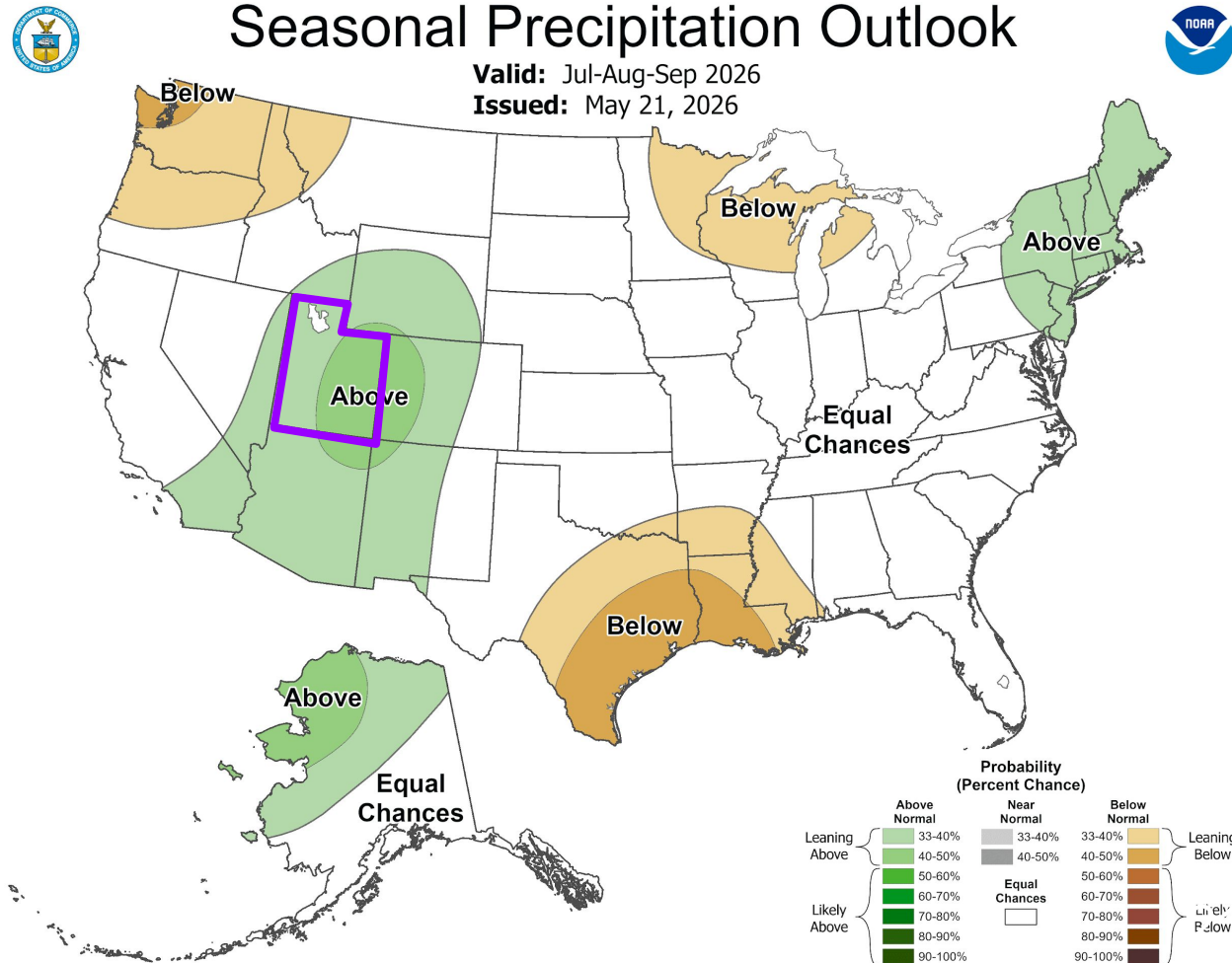
Seasonal Precipitation Outlook

Valid: Jun-Jul-Aug 2026
Issued: May 21, 2026



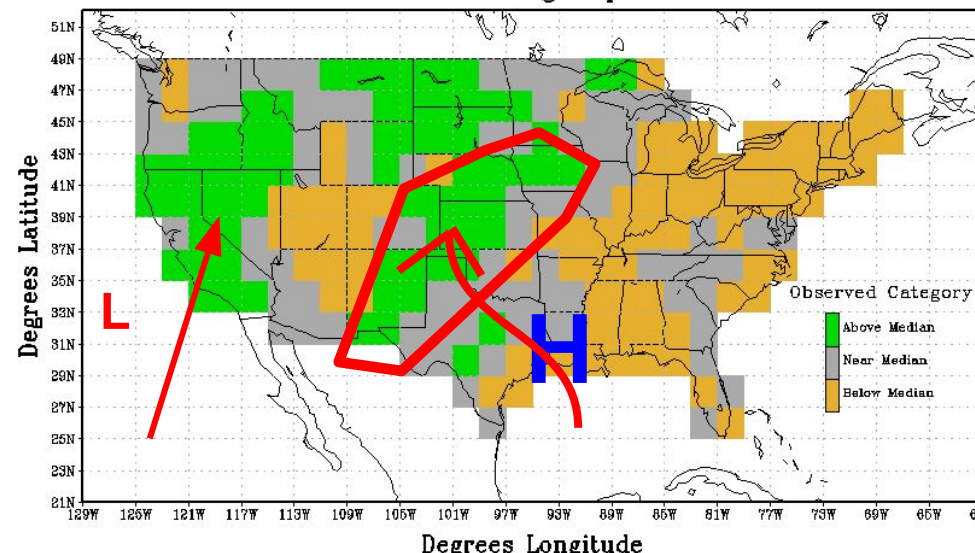
Seasonal Precipitation Outlook

Valid: Jul-Aug-Sep 2026
Issued: May 21, 2026



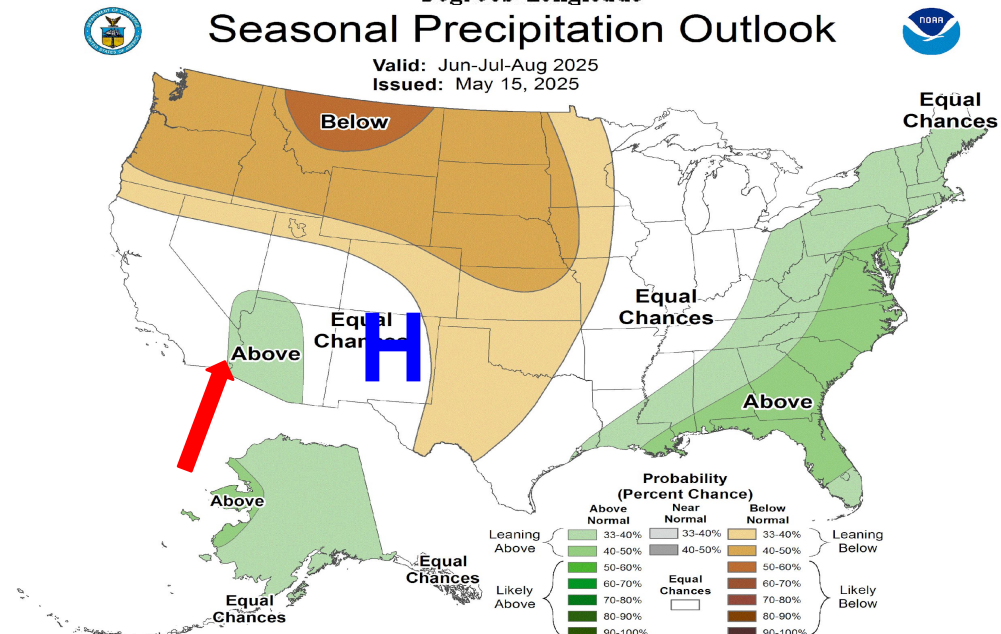
Categorical Precipitation Observations

Valid: Jul-Aug-Sep 2025



Seasonal Precipitation Outlook

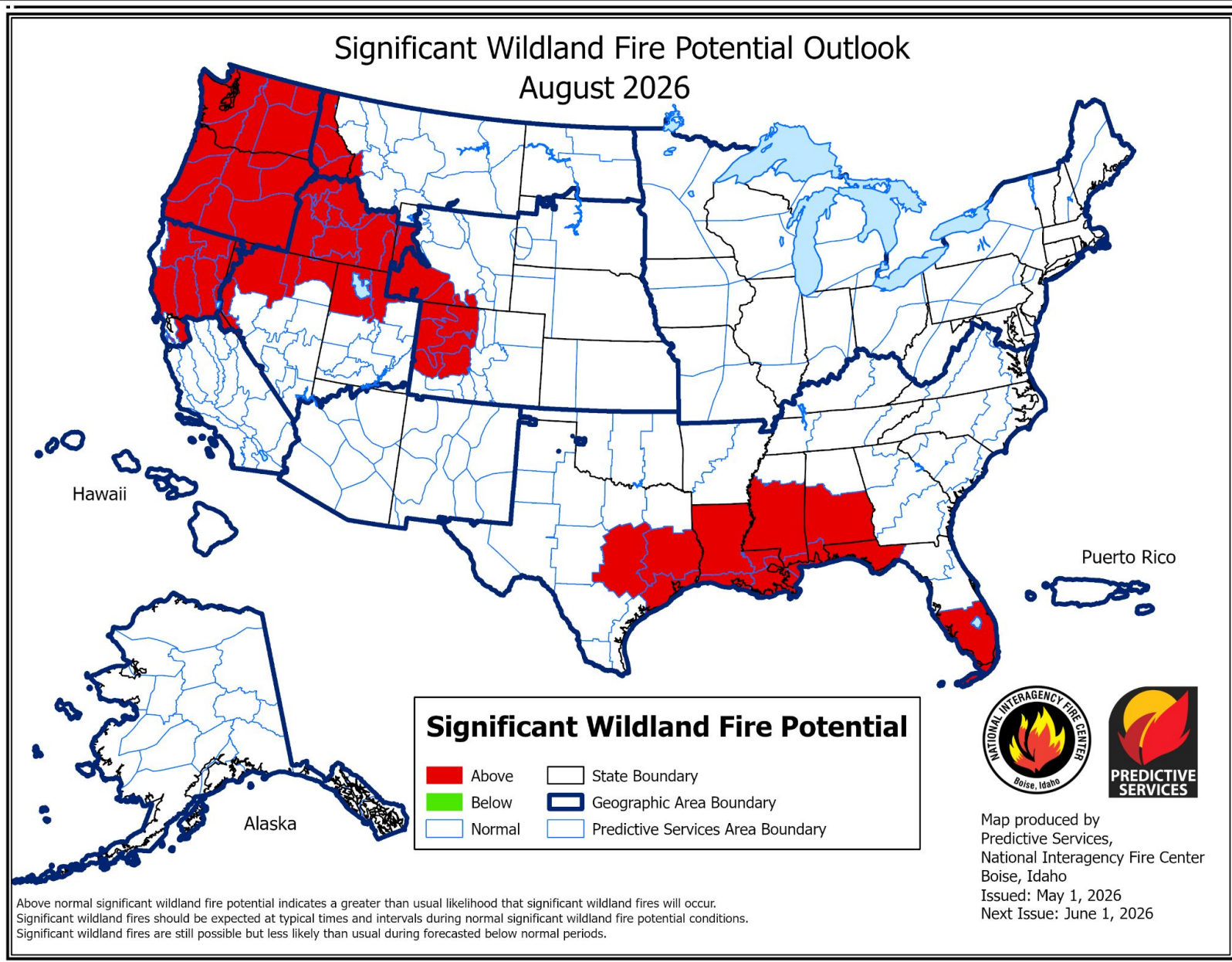
Valid: Jun-Jul-Aug 2025
Issued: May 15, 2025





Significant Fire Potential Outlook

Davis County Town Hall
NWS Salt Lake City, UT
Thursday, May 21, 2026





Thank You

Davis County Town Hall
NWS Salt Lake City, UT
Thursday, May 21, 2026

NOAA/National Weather Service Salt Lake City Weather Forecast Office



nws.saltlakecity@noaa.gov



801-524-5133



weather.gov/sl

