



United States Department of Agriculture

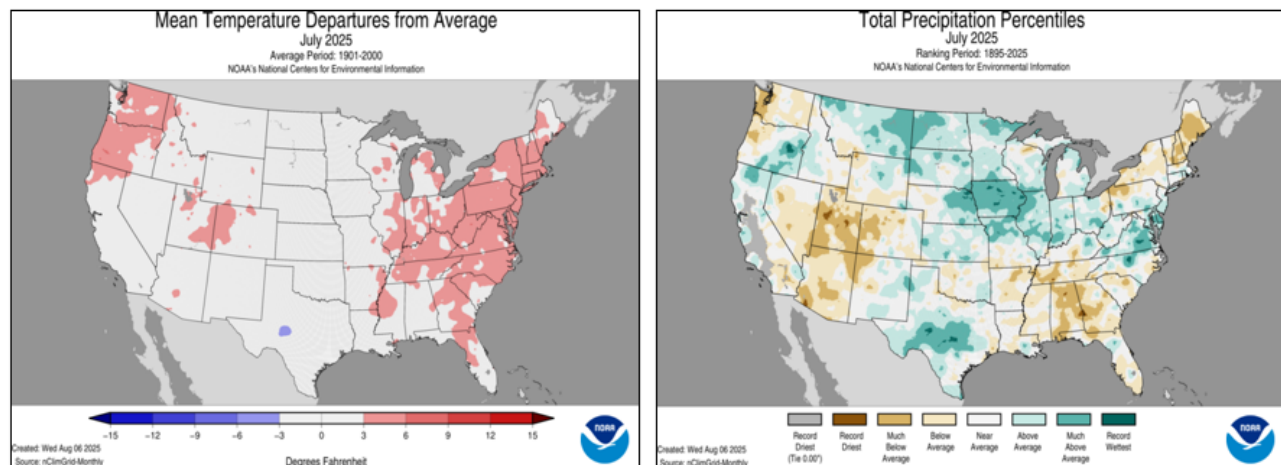
Water and Climate Update

August 14, 2025

The Natural Resources Conservation Service (NRCS) produces this weekly report using data and products from the [National Water and Climate Center](#) and other agencies. The report focuses on seasonal snowpack, precipitation, temperature, and drought conditions in the U.S.

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Temperature.....	5	More Information	14
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U.S. climate assessment released for July 2025



The National Oceanic and Atmospheric Administration (NOAA) recently released a climate report highlighting climate anomalies observed throughout the U.S. during July 2025. Excerpts from the report include:

- Warm overnight minimum temperatures set July records, impacting more than 55 million people across the eastern states.
- The average temperature for the contiguous U.S. (CONUS) in July 2025 was 75.4°F, 1.8°F above the 20th-century average, ranking in the warmest third of the 131-year record.
- In July, 1,434 flash flood warnings—the second-highest July total in 40 years—and 17 flash flood emergencies were issued nationwide, along with over 2,000 preliminary flood-related storm reports.
- Most notably, catastrophic flooding in the Texas Hill Country in early July resulted in at least 135 fatalities, following extreme rainfall of up to 20 inches over just a few days.

Related:

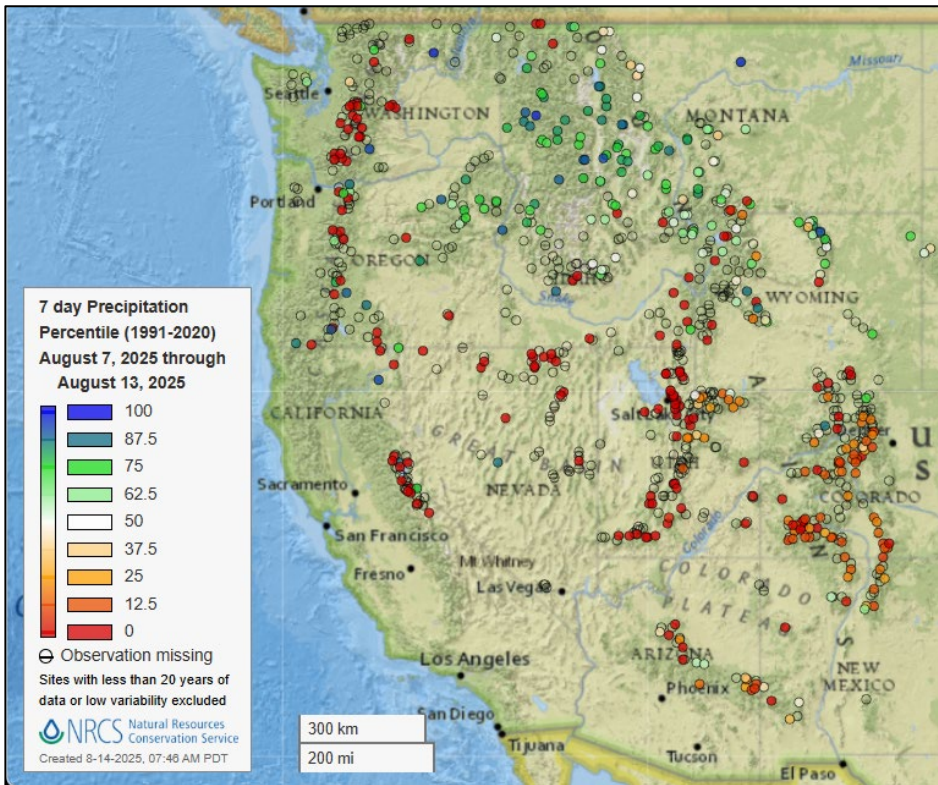
[Assessing the U.S. Temperature and Precipitation Analysis in July 2025](#) – NOAA

[U.S. Selected Significant Climate Anomalies and Events July 2025](#) – NOAA

[July sets new temperature records](#) – World Meteorological Organization

Precipitation

Last 7 Days, NRCS SNOTEL Network

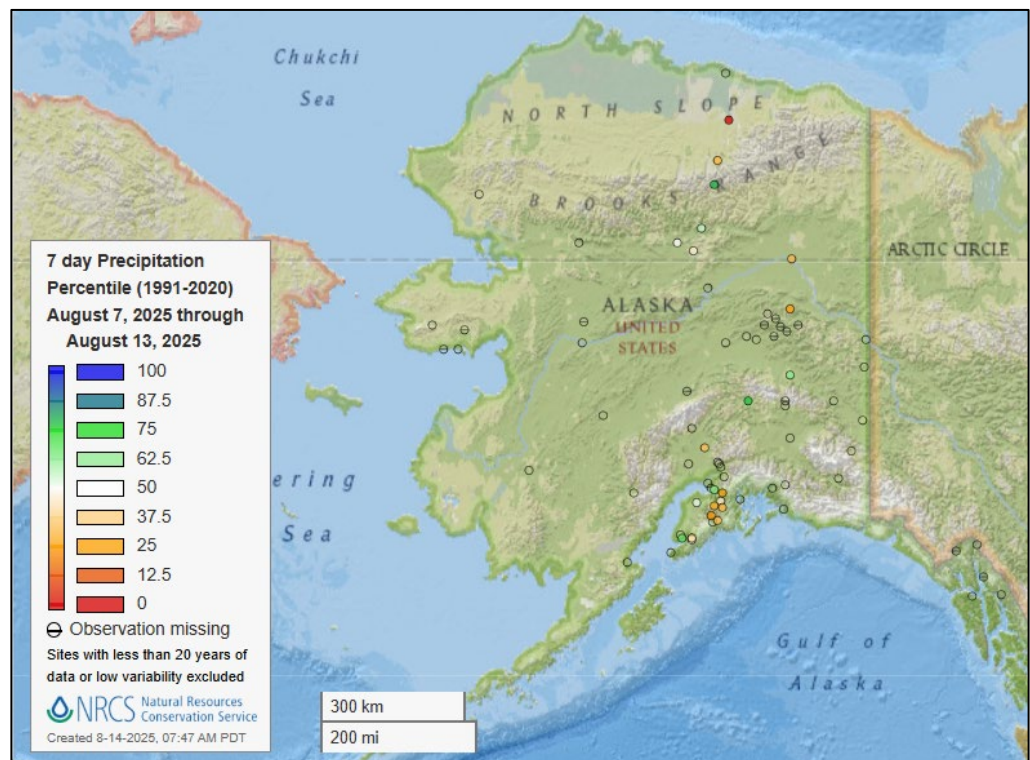


[7-day precipitation percentile map](#)

See also:
[7-day total precipitation values \(inches\) map](#)

[Alaska 7-day precipitation percentile map](#)

See also:
[Alaska 7-day total precipitation values \(inches\) map](#)



Month-to-Date, All Available Data Including SNOTEL and NWS Networks

Source: PRISM

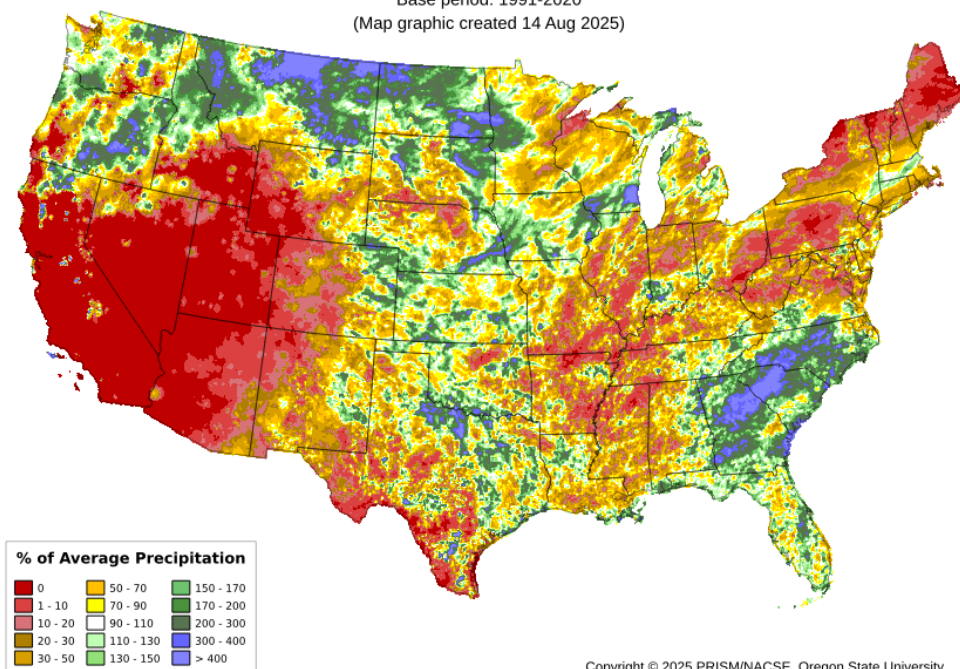
Total Precipitation Anomaly: 01 Aug 2025 - 13 Aug 2025

Period ending 7 AM EST 13 Aug 2025

Base period: 1991-2020

(Map graphic created 14 Aug 2025)

[Month-to-date national total precipitation anomaly map](#)



Last 3 Months, All Available Data Including SNOTEL and NWS Networks

Source: PRISM

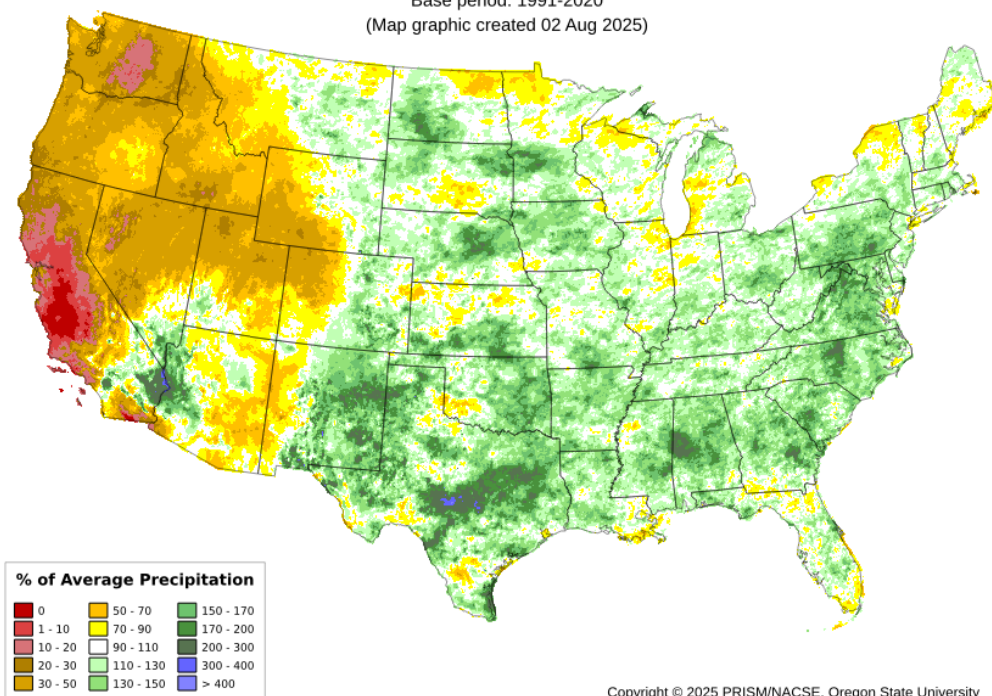
[May through July 2025 precipitation anomaly map](#)

Total Precipitation Anomaly: May 2025 - Jul 2025

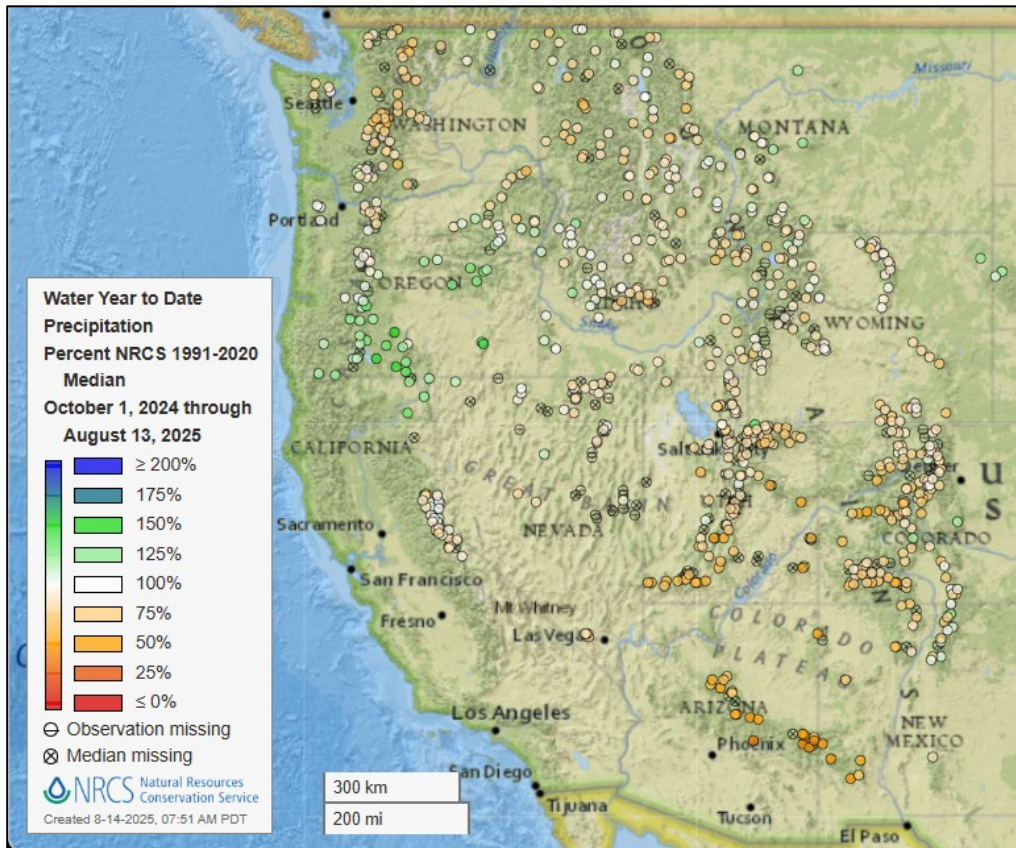
Period ending 7 AM EST 31 Jul 2025

Base period: 1991-2020

(Map graphic created 02 Aug 2025)



Water Year-to-Date, NRCS SNOTEL Network

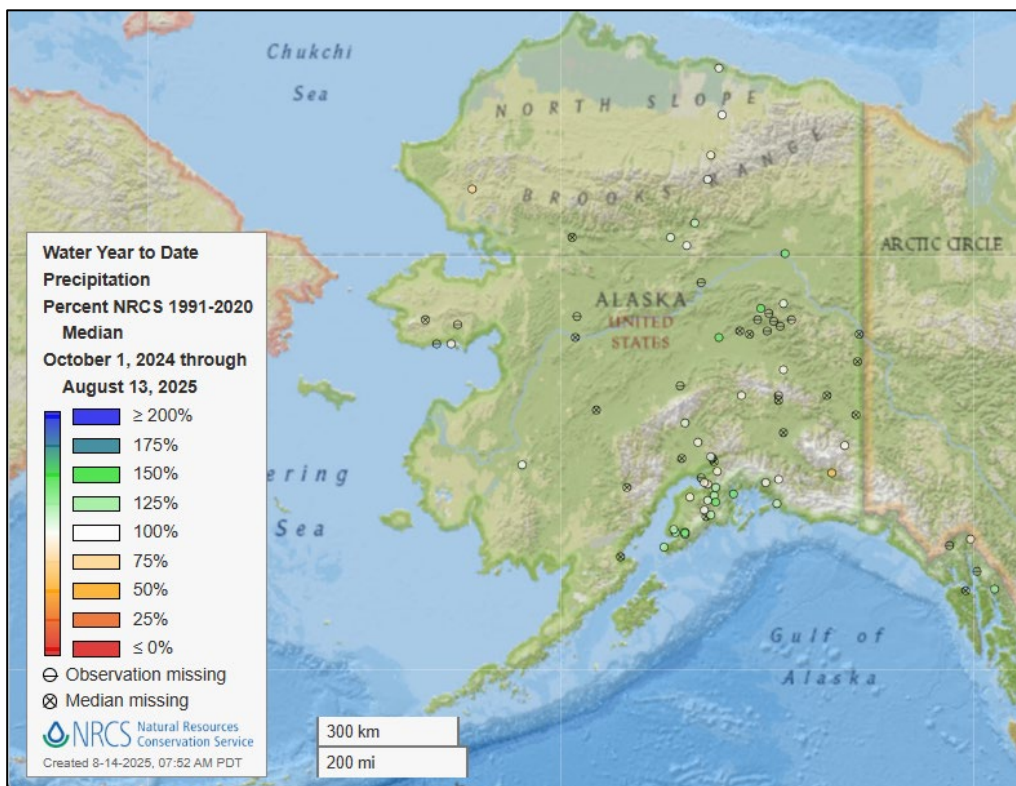


[2025 water year-to-date precipitation percent of median map](#)

See also:

[2025 water year-to-date precipitation percent of average map](#)

[2025 water year-to-date precipitation values \(inches\) map](#)



[Alaska 2025 water year-to-date precipitation percent of median map](#)

See also:

[Alaska 2025 water year-to-date precipitation percent of average map](#)

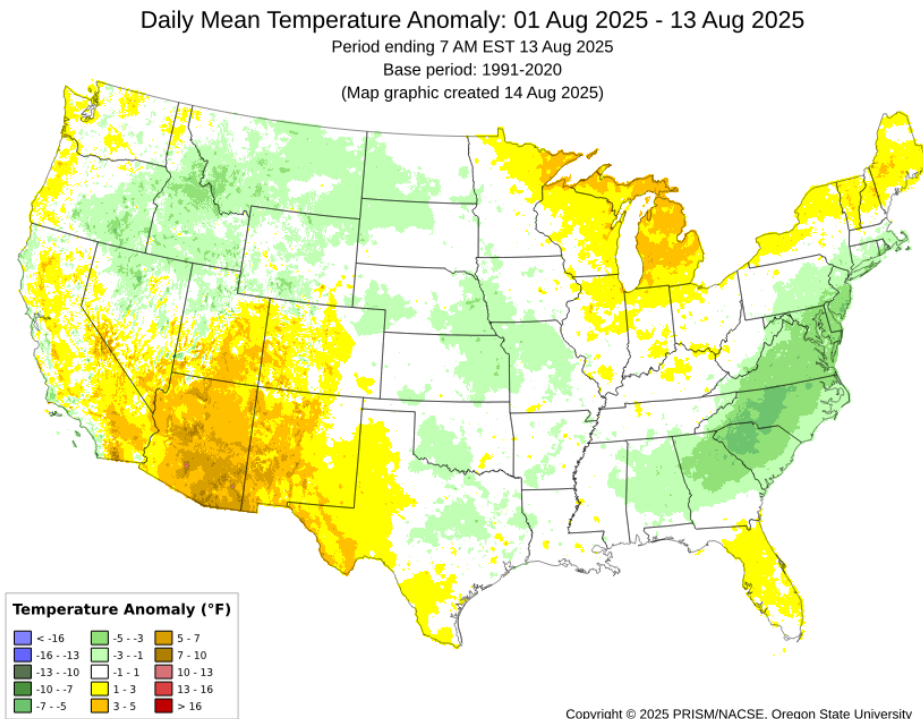
[Alaska 2025 water year-to-date precipitation values \(inches\) map](#)

Temperature

Month-to-Date, All Available Data Including SNOTEL and NWS Networks

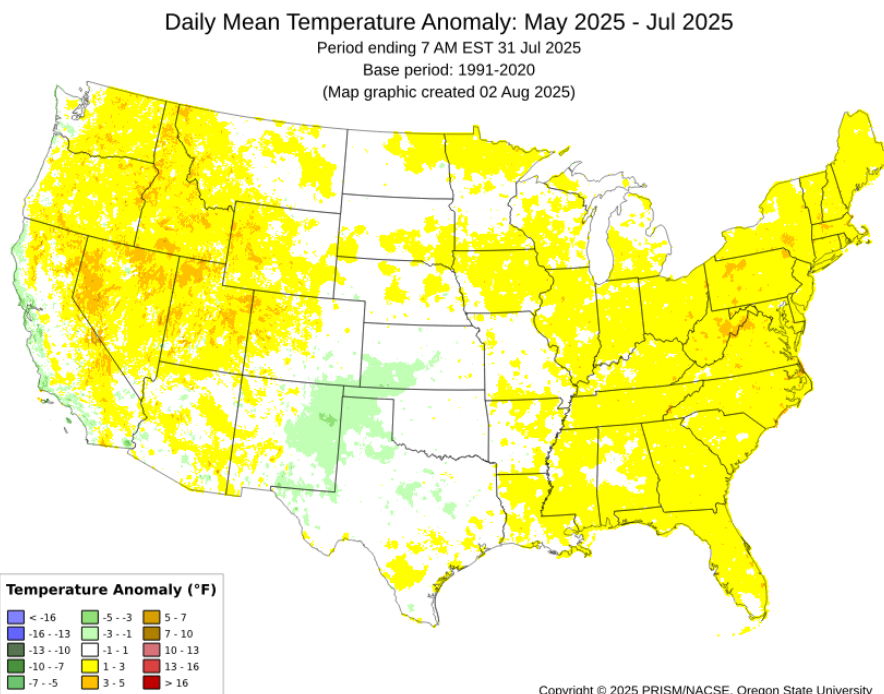
Source: PRISM

[Month-to-date
national daily
mean
temperature
anomaly map](#)



Last 3 Months, All Available Data Including SNOTEL and NWS Networks

Source: PRISM



[May through July 2025
daily mean
temperature anomaly
map](#)

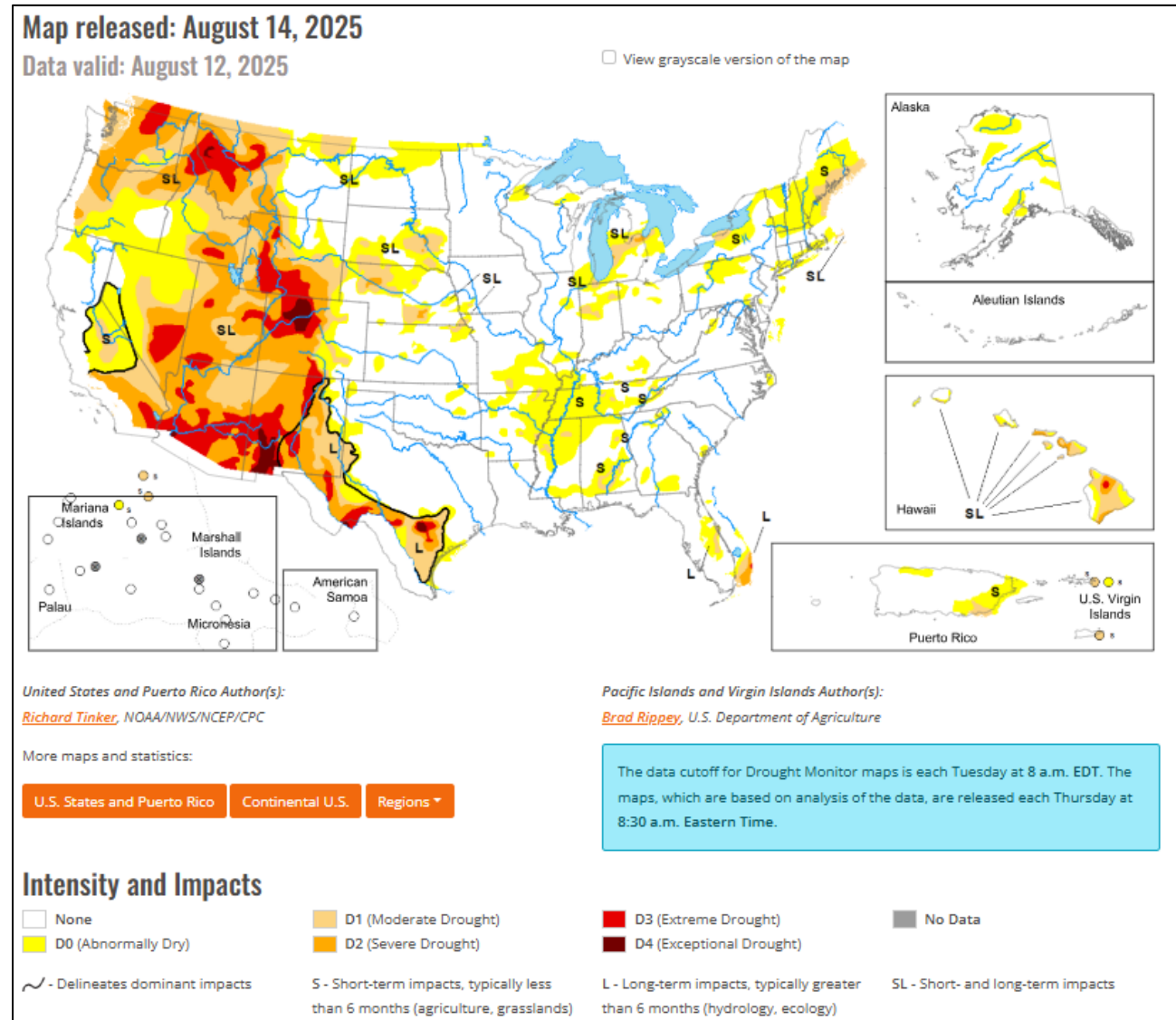
Drought

[U.S. Drought Monitor](#)

Source: National Drought Mitigation Center

[U.S. Drought Portal](#)

Source: NOAA



Current [National Drought Summary](#), August 12, 2025

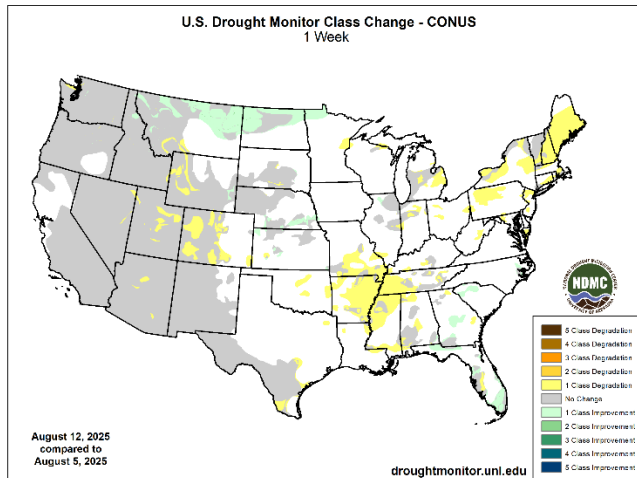
Source: National Drought Mitigation Center

“Intensifying short-term rainfall shortages led to expanding and intensifying dryness and drought over much of the Lower Mississippi Valley, Ohio Valley, Tennessee Valley, Northeast, and parts of the Deep South, southern Plains, central Arizona, and the central Rockies. Meanwhile, a second consecutive week with moderate to heavy precipitation led to areas of improvement in the South Atlantic States from the Carolinas through Florida, across northern reaches of the Rockies and Plains, and over parts of the central Great Plains. The heaviest amounts (8 to 11 inches) doused areas in southeast Wisconsin from central Washington and Ozaukee Counties southward through much of north and central Waukesha and Milwaukee Counties. Meanwhile, 6 to 8 inches were dropped on a broader section of southeast Wisconsin as well as a few patches across southeast South Dakota, the Carolinas Piedmont and adjacent southern Appalachians, the coastal Carolinas, north-central Florida, the central Florida Peninsula, and interior southeast Florida.”

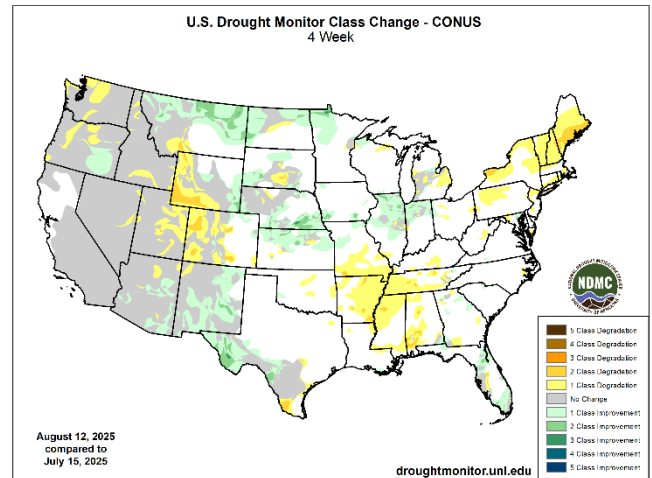
Changes in Drought Monitor Categories over Time

Source: National Drought Mitigation Center

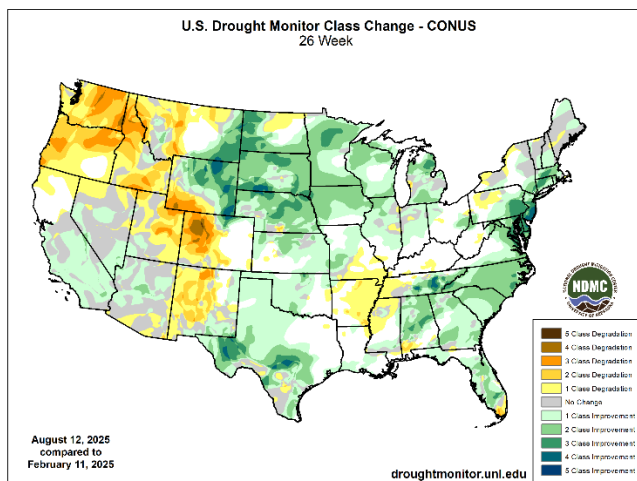
1 Week



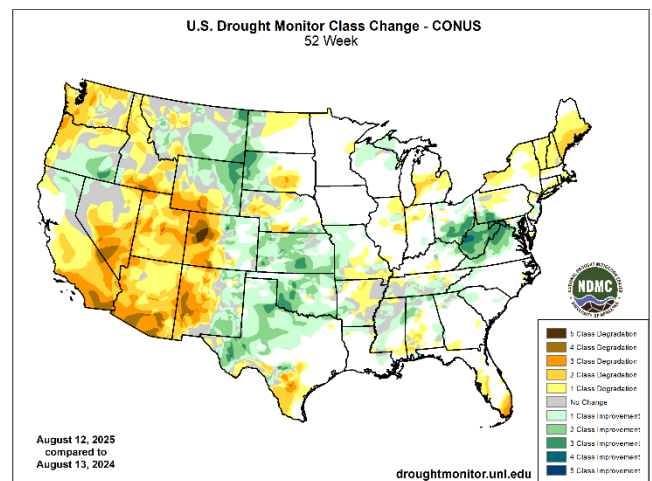
1 Month



6 Months



1 Year



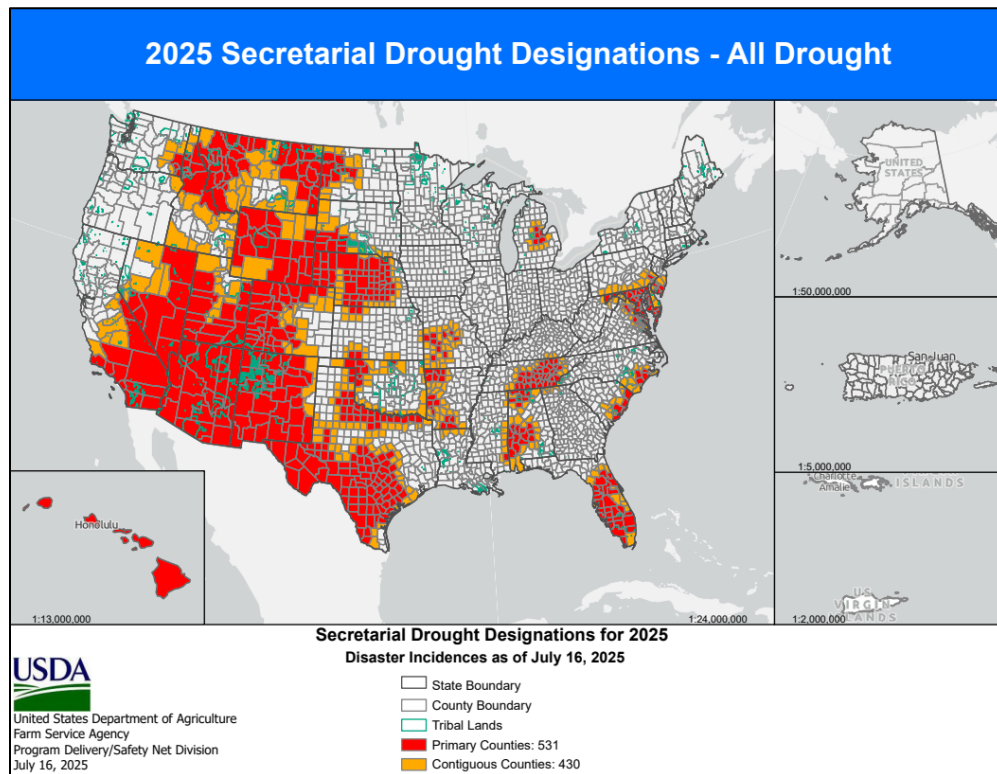
[Changes in drought conditions over the last 12 months for the contiguous U.S.](#)

Highlighted Drought Resources

- [Drought Impact Reporter](#)
- [Quarterly Regional Climate Impacts and Outlook](#)
- [U.S. Drought Portal Indicators and Monitoring](#)
- [U.S. Population in Drought, Weekly Comparison](#)
- [USDA Disaster and Drought Information](#)

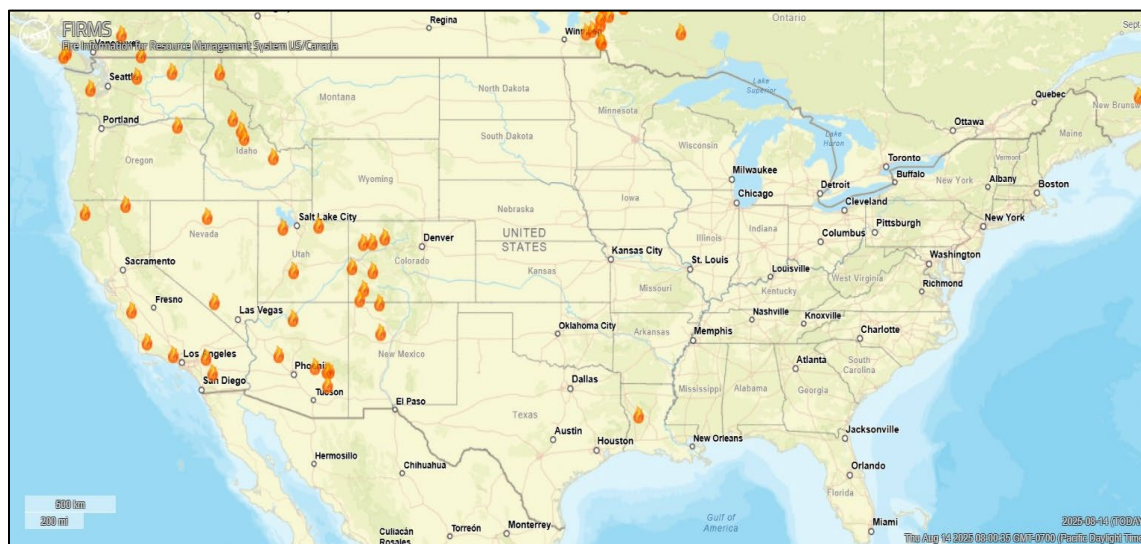
USDA Secretarial [Drought Designations](#)

Source: USDA Farm Service Agency



Wildfires: [Fire Information for Resource Management System US/Canada](#)

Source: NASA/USDA Forest Service



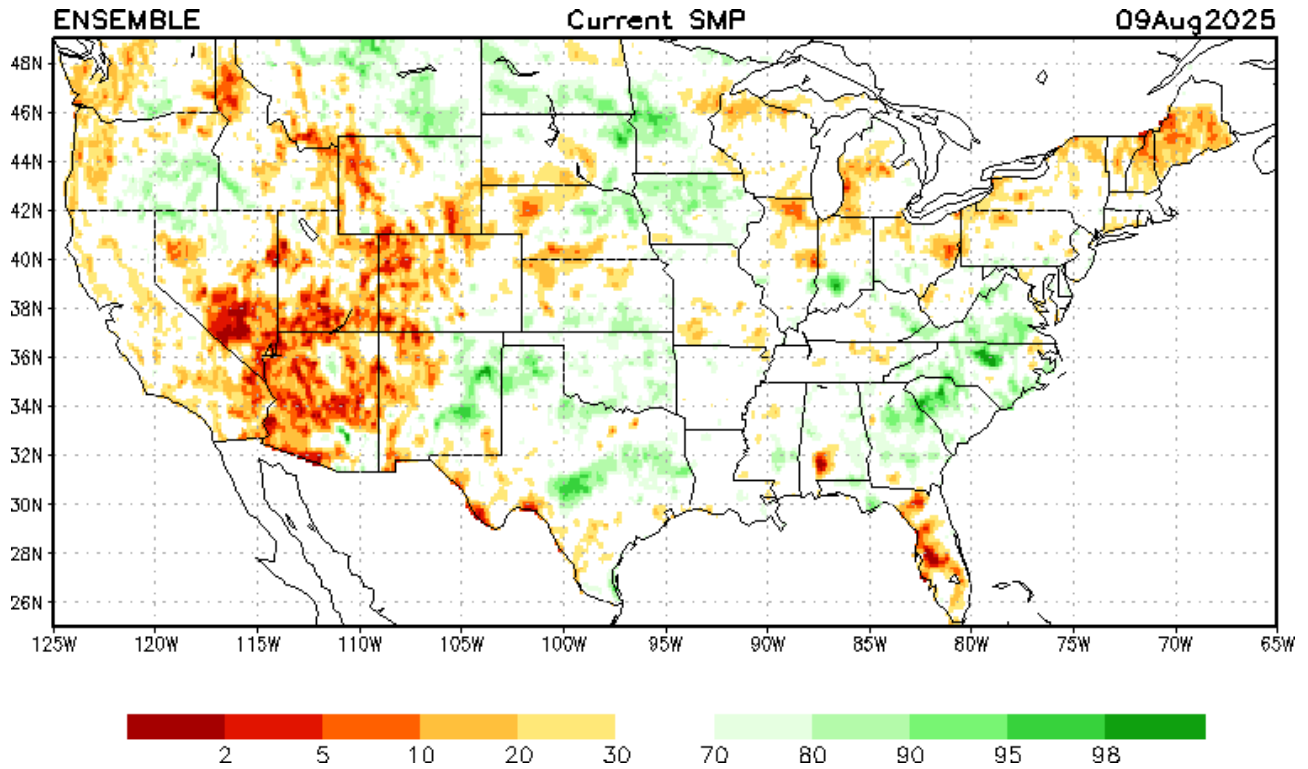
Highlighted Wildfire Resources

- [National Interagency Fire Center](#)
- [InciWeb Incident Information System](#)
- [Significant Wildland Fire Potential Outlook](#)

Other Climatic and Water Supply Indicators

Soil Moisture

Source: NOAA National Centers for Environmental Prediction

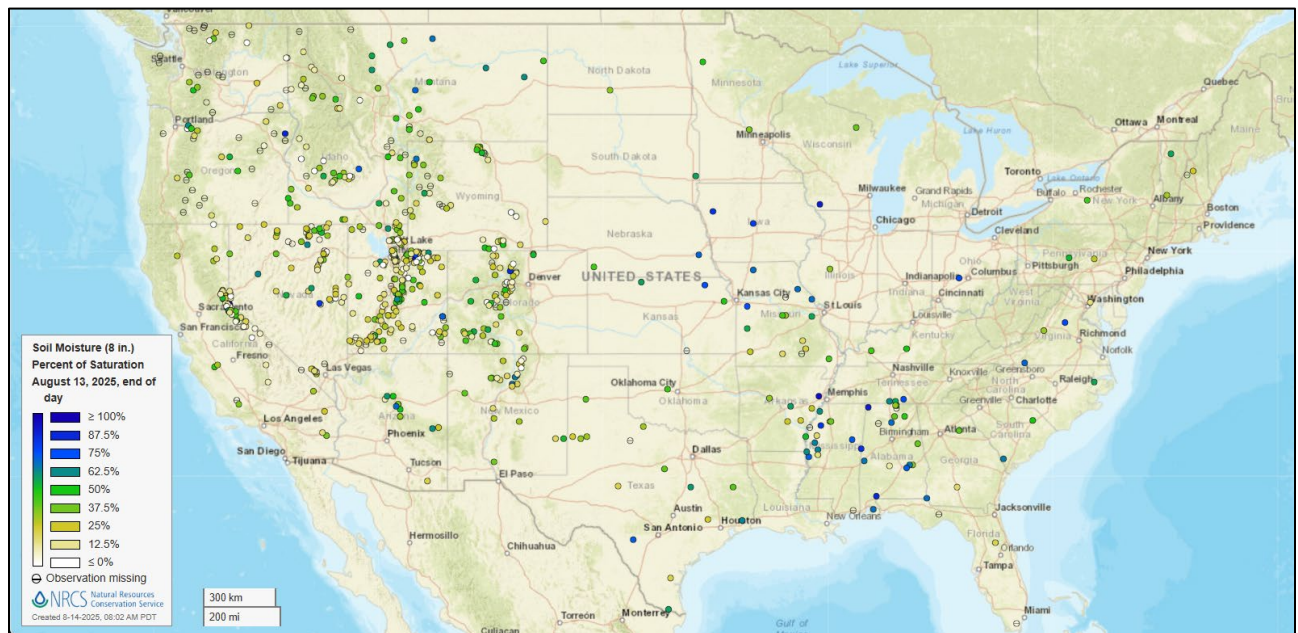


[Modeled soil moisture percentiles](#) as of August 9, 2025

Soil Moisture Percent of Saturation

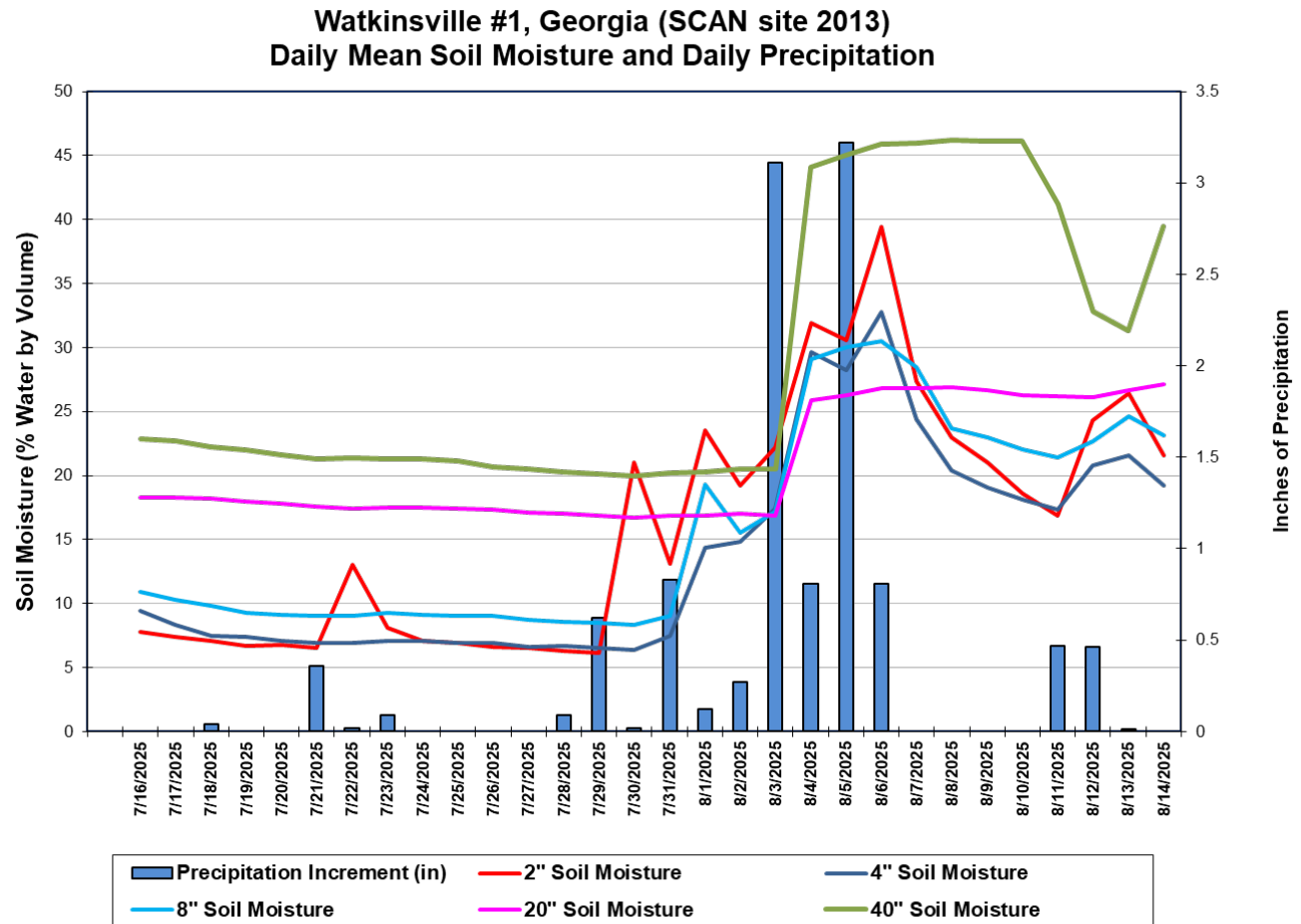
Source: NRCS SNOTEL and [Soil Climate Analysis Network](#) (SCAN)

[U.S. soil moisture map at 8-inch depth:](#)



Soil Moisture

Source: NRCS [Soil Climate Analysis Network](#) (SCAN)



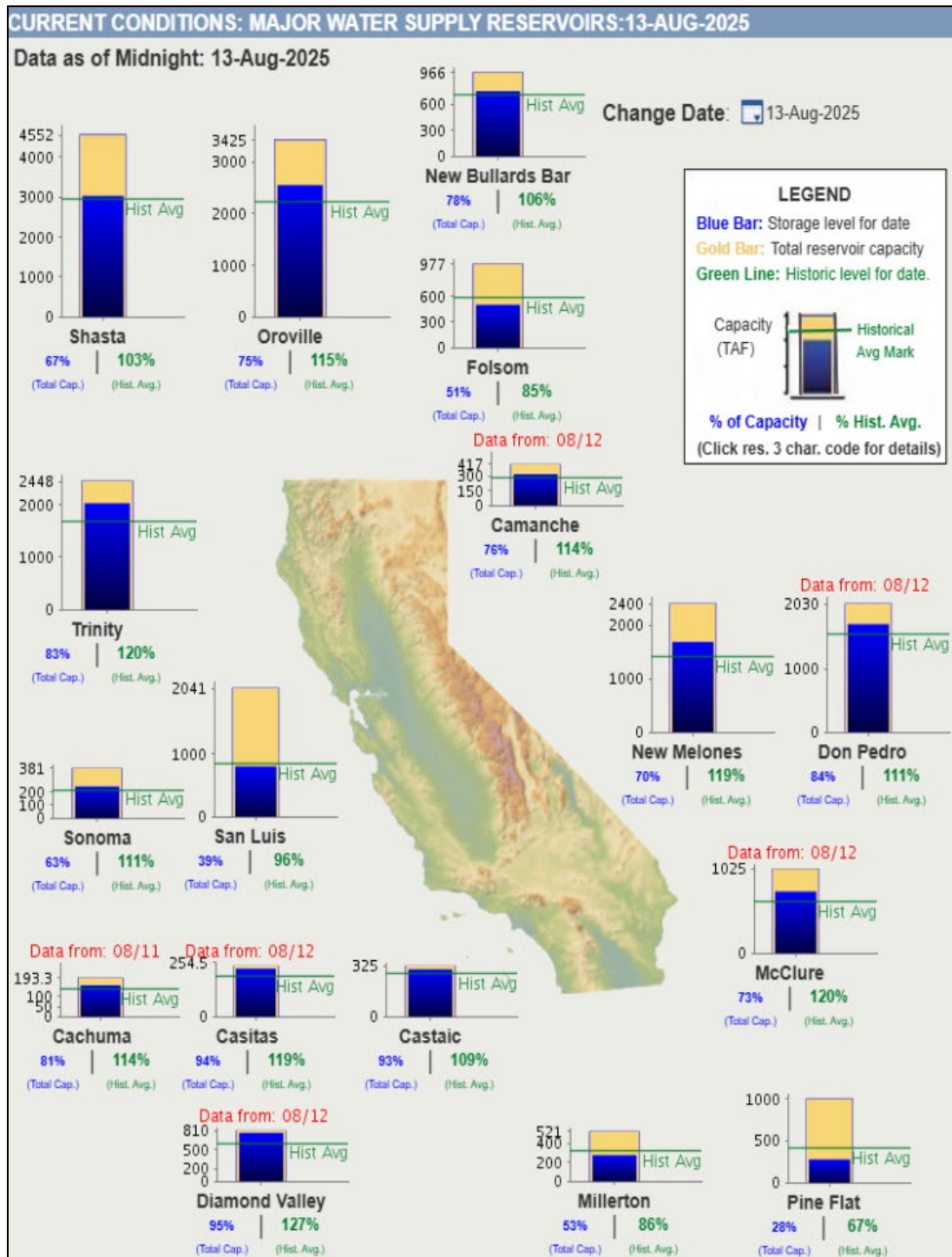
This chart shows the precipitation and soil moisture for the last 30 days at the [Watkinsville #1](#) SCAN site in Georgia. Soil sensors at all depths recorded sharp increases in soil moisture after the site received 7.95 inches of precipitation between August 3-6. Total precipitation for the 30-day period was 11.35 inches.

Soil Moisture Data Portals

- [USCRN Soil Moisture](#)
- [National Soil Moisture Network](#)
- [NOAA Climate Prediction Center Soil Moisture](#)
- [NASA Grace](#)

Current California Reservoir Conditions

Source: California Department of Water Resources



[Current California Reservoir Conditions](#)

Agricultural Weather Highlights

Author: Brad Rippey, Agricultural Meteorologist, USDA/OCE/WAOB

National Outlook, Thursday August 14, 2025: “With a ridge of high pressure moving eastward, the focus for extreme heat has temporarily shifted to the nation’s mid-section, where today’s high temperatures will top 100°F as far north as South Dakota. Subsequently, heat will linger into next week across the central and southern Plains and spread into the mid-South, while a surge of cooler air will overspread the North. Meanwhile, the re-establishment of the Southwestern monsoon circulation and subsequent interaction with Northern cold fronts will result in “ring of fire” thunderstorms, extending from the Four Corners States into the northern Plains, upper Midwest, and Great Lakes region. Five-day rainfall totals could reach 2 to 6 inches or more in the upper Great Lakes region and neighboring areas. Elsewhere, spotty but locally heavy showers will continue in the Southeast, while precipitation could provide some drought relief in the Pacific Northwest. The NWS 6- to 10-day outlook for August 19 – 23 calls for the likelihood of near- or above-normal temperatures and rainfall across most of the country. Cooler-than-normal conditions will be confined to the Northeast and portions of the Great Lakes region, while drier-than-normal weather should be limited to parts of the Northwest and an area stretching from the Great Lakes States into northern New England.”

Weather Hazards Outlook: [August 16 – 20, 2025](#)

Source: NOAA Weather Prediction Center

U.S. Day 3-7 Hazards Outlook

[About the Hazards Outlook](#)

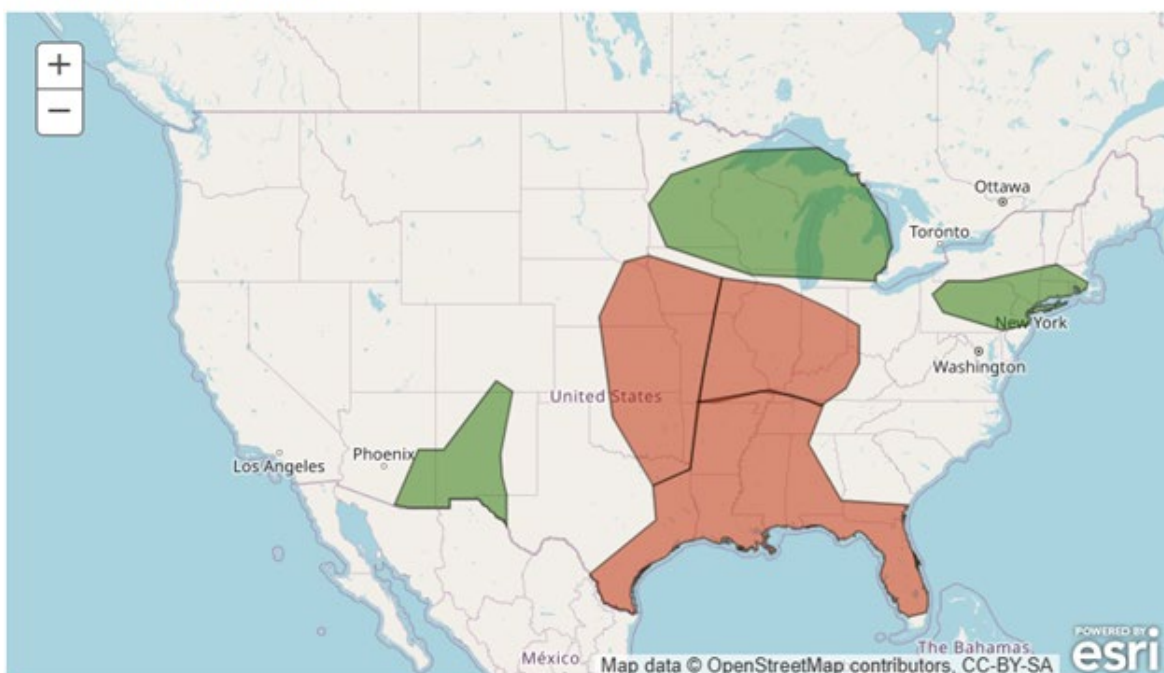
Created August 13, 2025

NOTE: These products are only created Monday through Friday.
Please exercise caution using this outlook during the weekend.

Precipitation	☒
Temperature	☒
Wildfires	☒
Soils	☐
Flooding	☐

Legend	
 Flooding Likely	 Hazardous Heat
 Flooding Occurring or Imminent	 Hazardous Cold
 Flooding Possible	 Frost/Freeze
 Freezing Rain	 High Winds
 Heavy Precipitation	 Significant Waves
 Heavy Rain	 Critical Wildfire Risk
 Heavy Snow	 Severe Weather

Valid August 16, 2025 - August 20, 2025

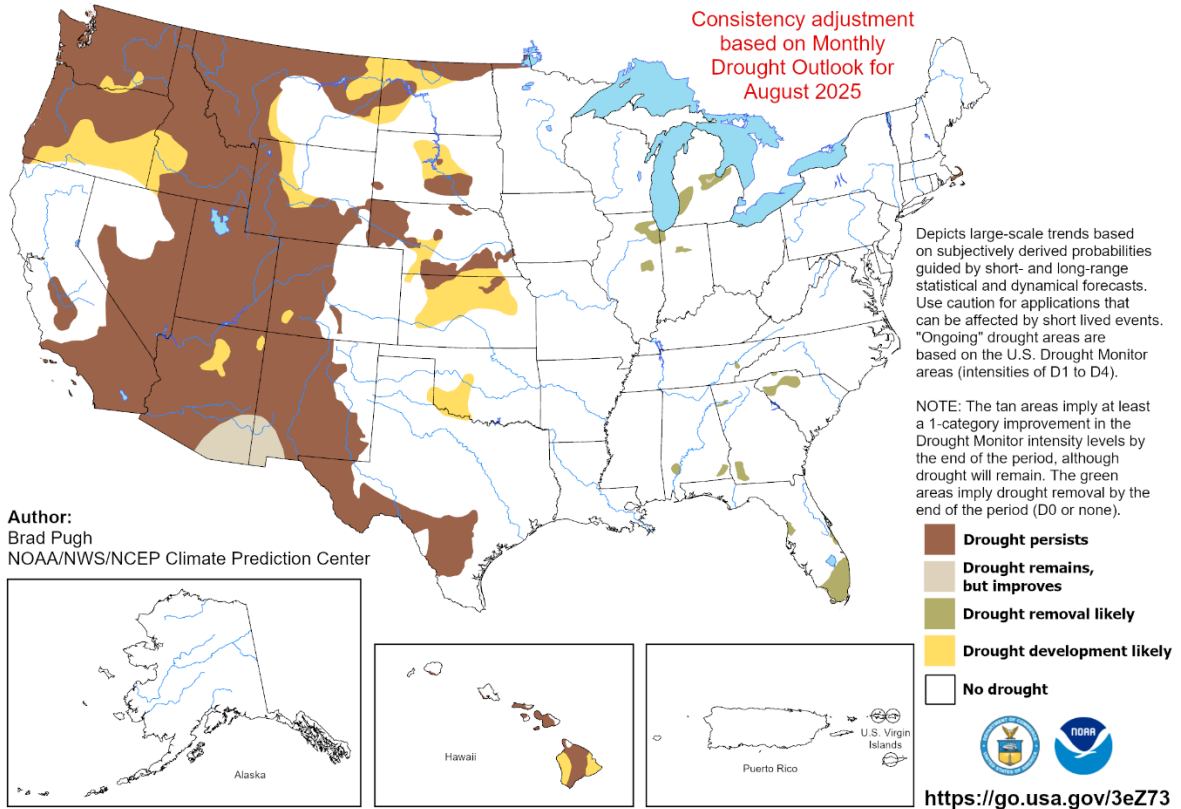


Seasonal Drought Outlook: [August 1 – October 31, 2025](#)

Source: National Weather Service

U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period

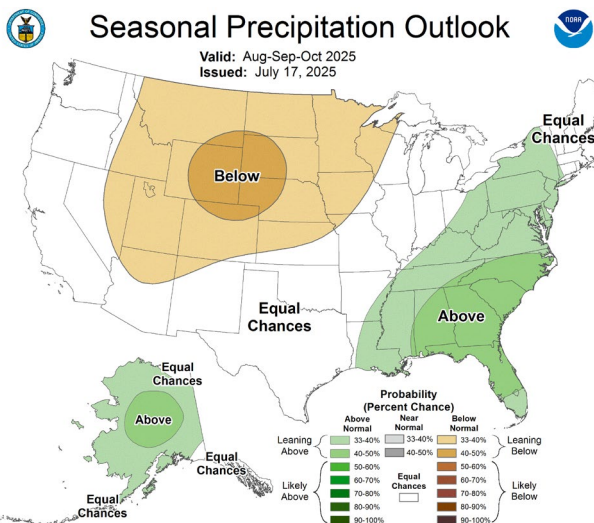
Valid for August 1 - October 31, 2025
Released July 31, 2025



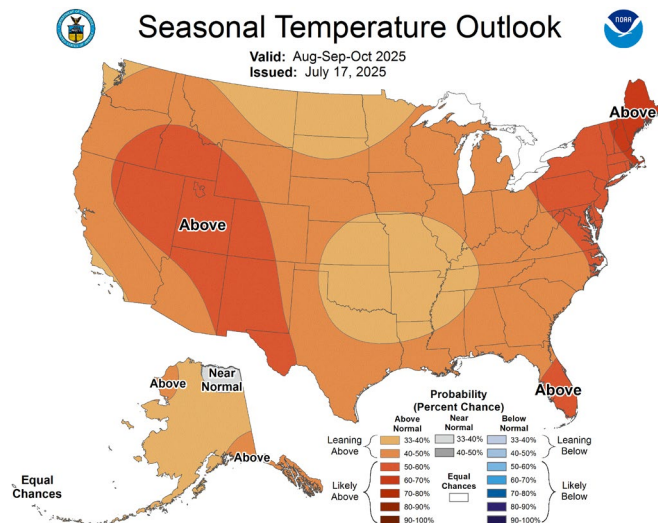
Climate Prediction Center Three-month Outlook

Source: National Weather Service

[Precipitation](#)



[Temperature](#)



[August-September-October 2025 precipitation and temperature outlook summaries](#)

More Information

The NRCS [National Water and Climate Center](#) publishes this weekly report. We welcome your feedback. If you have questions or comments, please [contact us](#).