



United States Department of Agriculture

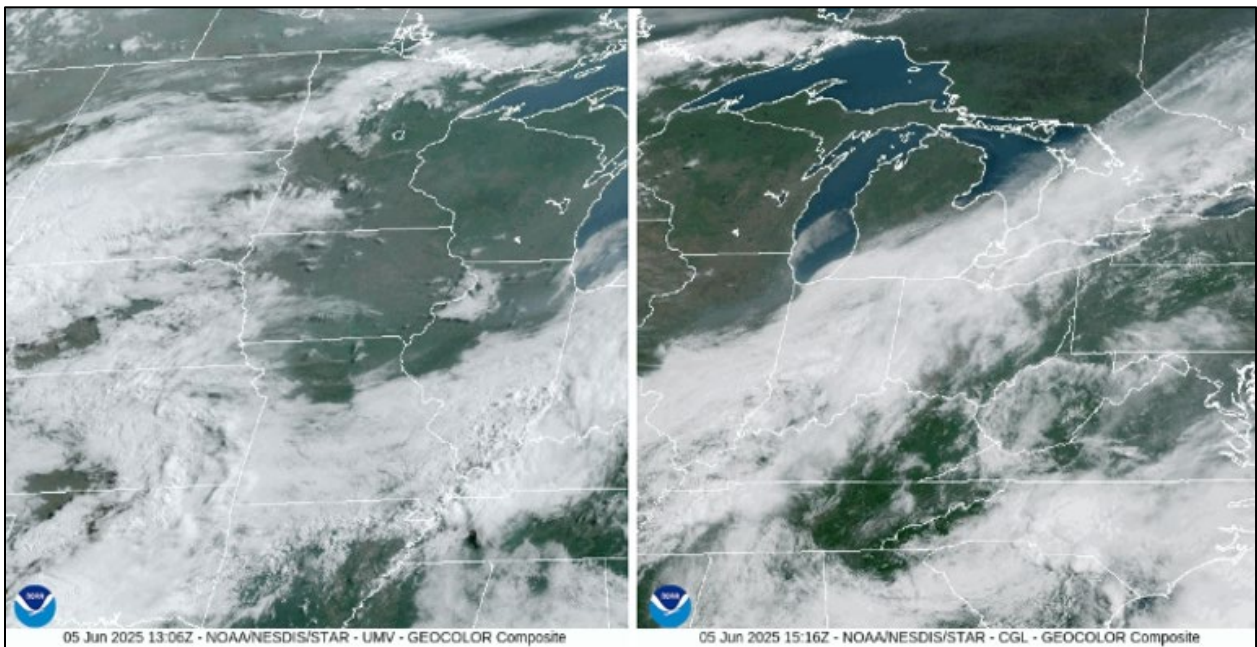
Water and Climate Update

June 5, 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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Canadian wildfire smoke infiltrates the Midwest



Smoke from Canadian wildfires is spilling into the Midwest this week and is visible in satellite imagery from the National Weather Service (NWS). According to the Canadian Interagency Forest Fire Center, there are 204 active fires spread across multiple provinces as of June 5. Per the NWS reports from Green Bay, Wisconsin:

“Smoke from Canadian wildfires continue to spread across the skies across much of the Upper Midwest and Great Lakes. The smoke may dim the sun and create colorful sunrises and sunsets. Where the smoke is the thickest, it is reaching the surface at times, slightly reducing visibilities, and creating a campfire smell. The smoke will also create air quality issues at times, mainly for sensitive groups.”

Related:

[Smoke from Canadian Wildfires Across the Great Lakes](#) – NWS (Green Bay, WI)

[Canadian fire situation report](#) – Canadian Interagency Forest Fire Centre

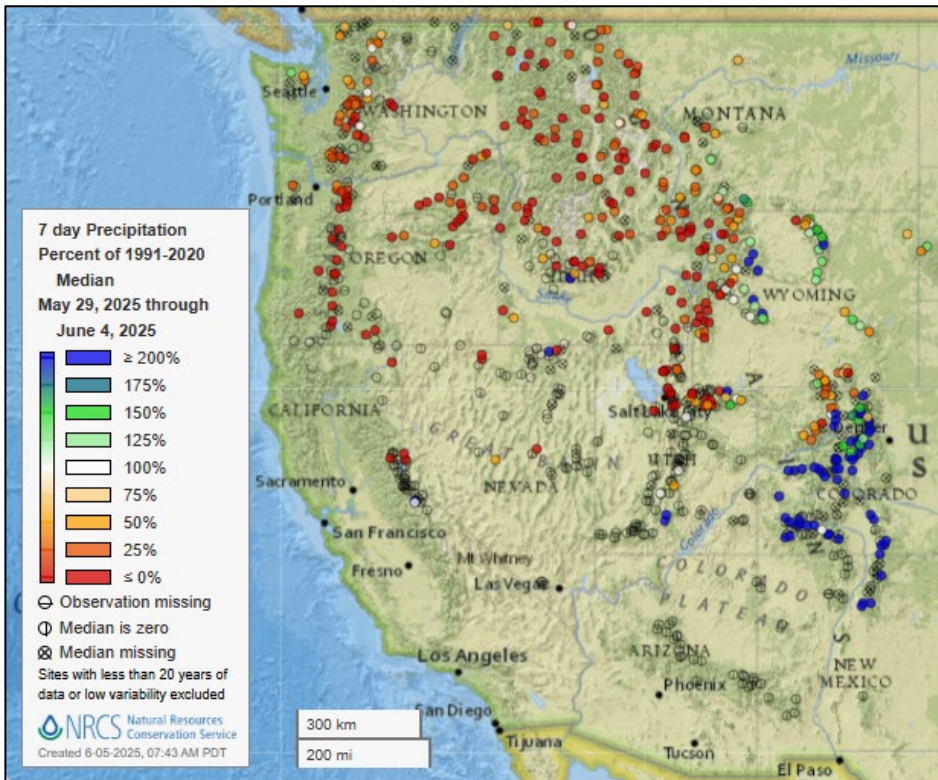
[Maps show U.S. air quality and Canada wildfire smoke forecast](#) – CBS News

[Air quality worsens in eastern US as Canadian wildfire smoke hangs over Midwest](#) – AP News

The Natural Resources Conservation Service provides leadership in a partnership effort to help people conserve, maintain, and improve our natural resources and environment.

Precipitation

Last 7 Days, NRCS SNOTEL Network

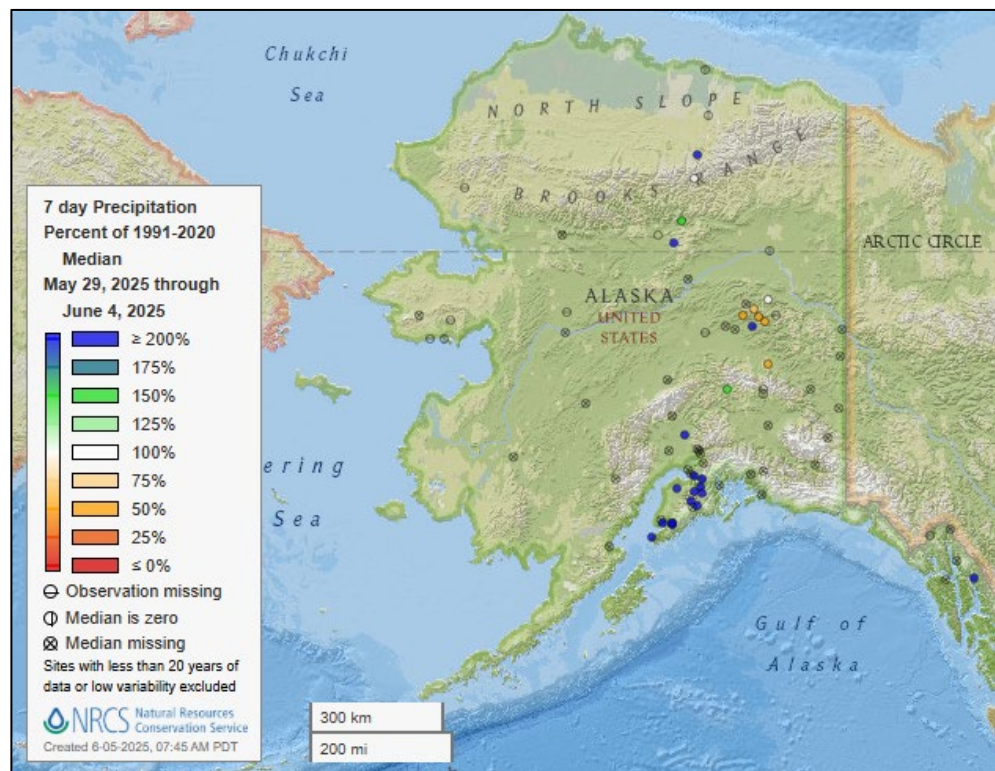


[7-day precipitation percent of median map](#)

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

[Alaska 7-day precipitation percent of median map](#)

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



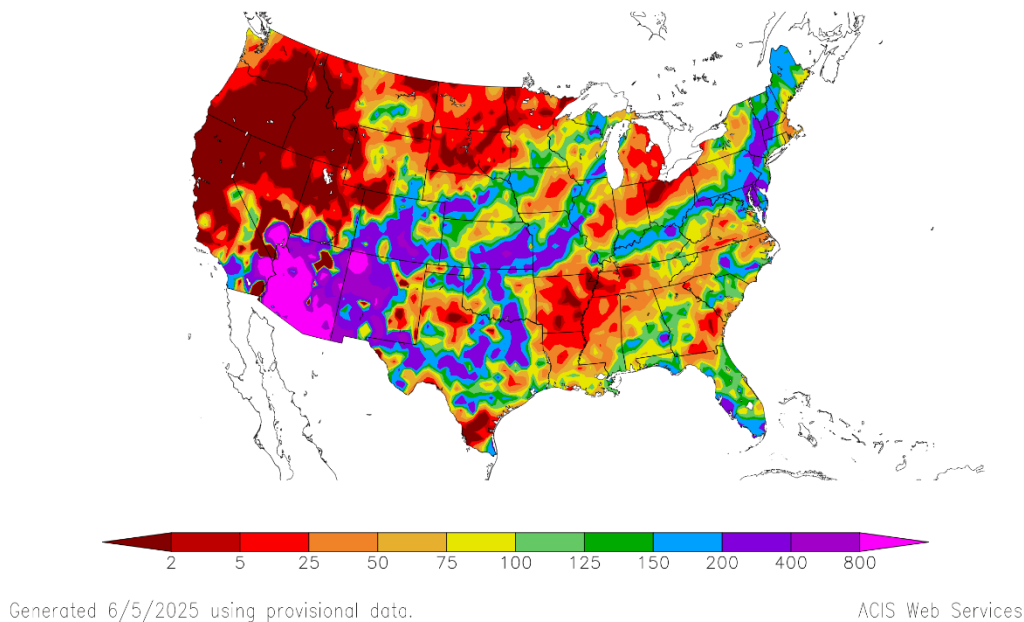
Last 7 Days, National Weather Service (NWS) Networks

Source: Regional Climate Centers

[7-day precipitation percent of normal map](#) for the continental U.S.

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

Percent of Normal Precipitation (%)
5/29/2025 – 6/4/2025



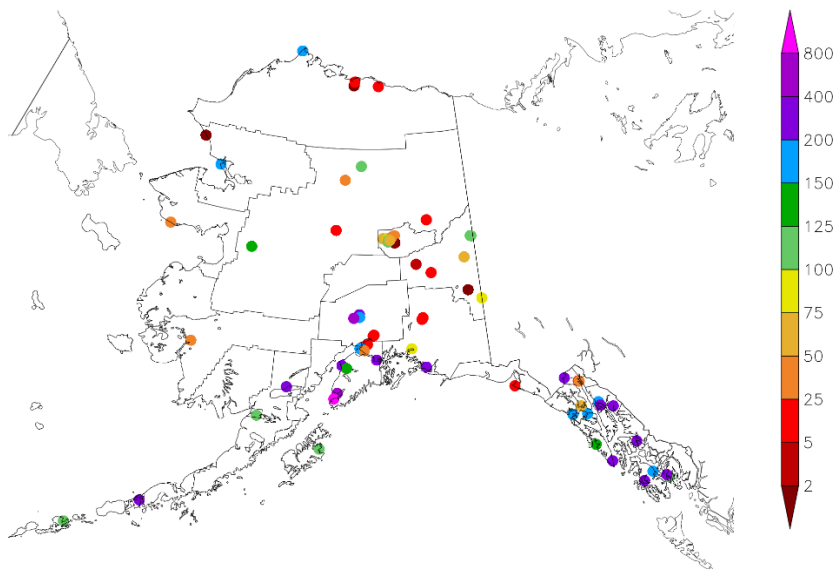
Last 7 Days, National Weather Service (NWS) Networks

Source: Regional Climate Centers

[7-day precipitation percent of normal map](#) for Alaska.

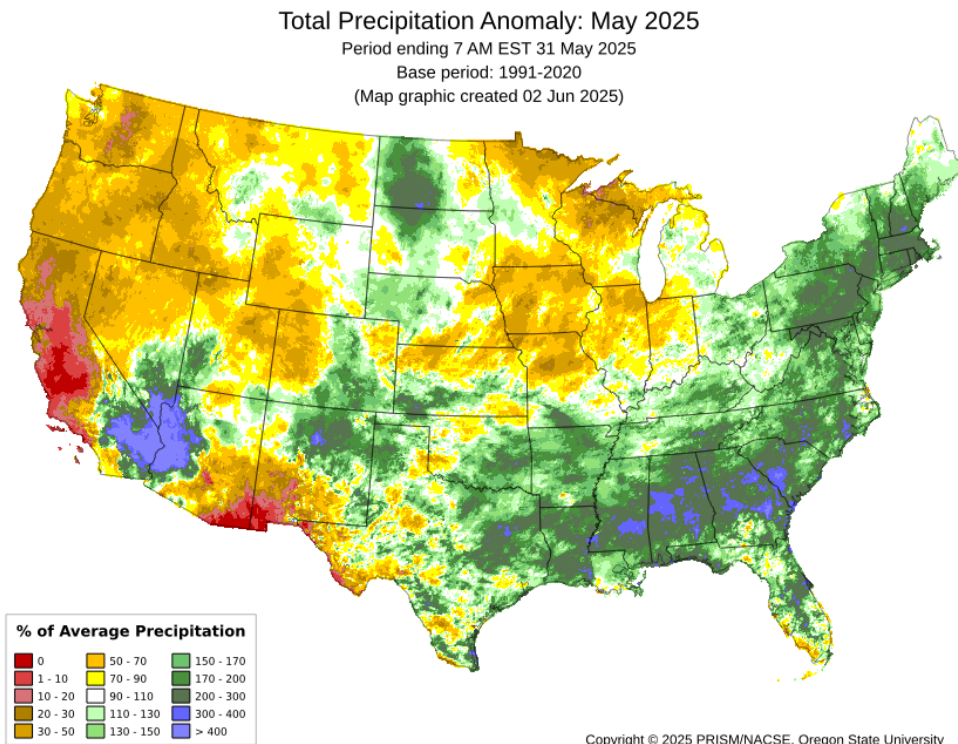
See also: [7-day total precipitation values \(inches\) map](#)

Percent of Normal Precipitation (%)
5/29/2025 – 6/4/2025



Monthly, All Available Data Including SNOTEL and NWS Networks

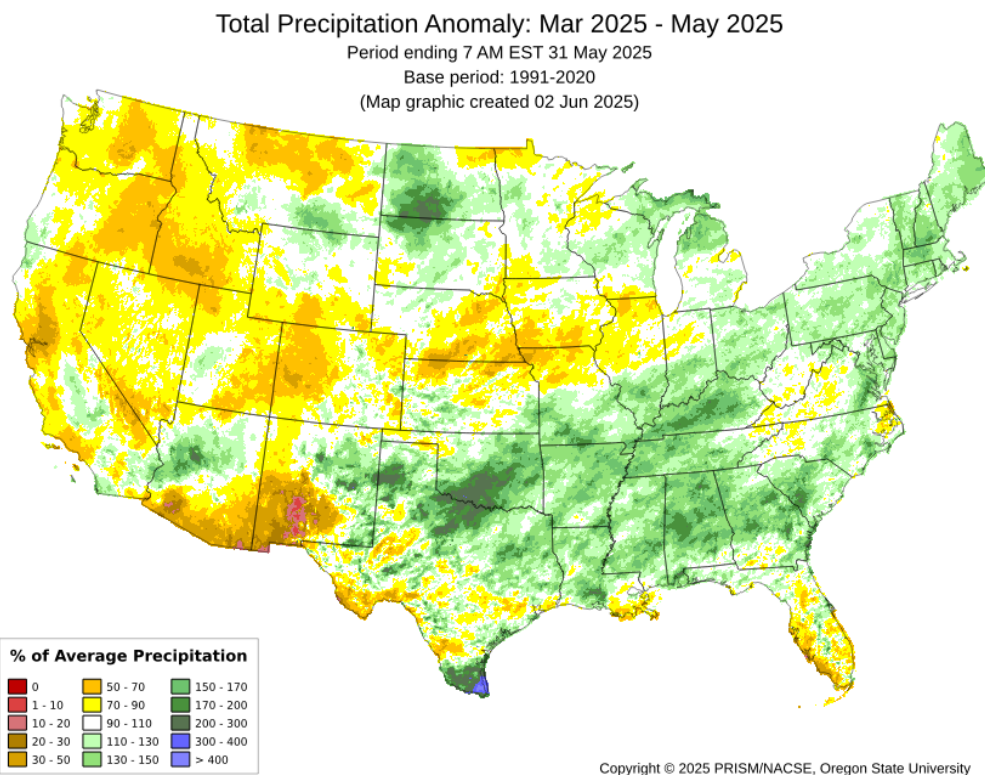
Source: PRISM



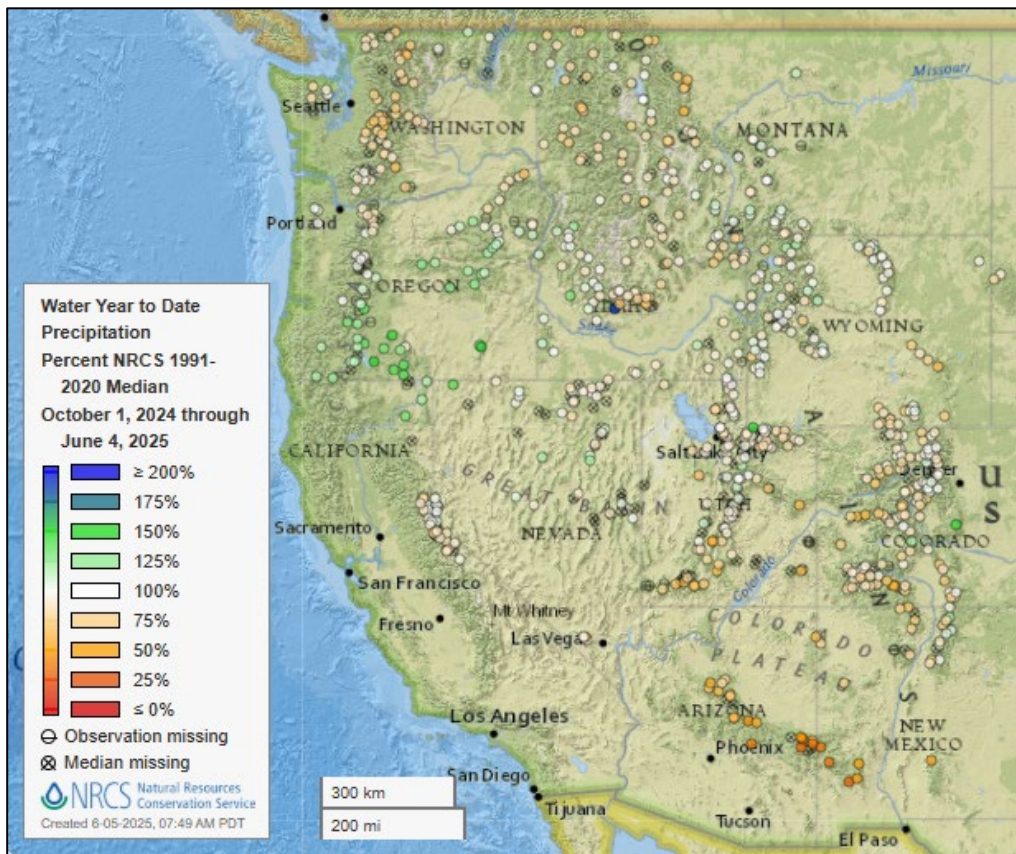
Last 3 Months, All Available Data Including SNOTEL and NWS Networks

Source: PRISM

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



Water Year-to-Date, NRCS SNOTEL Network

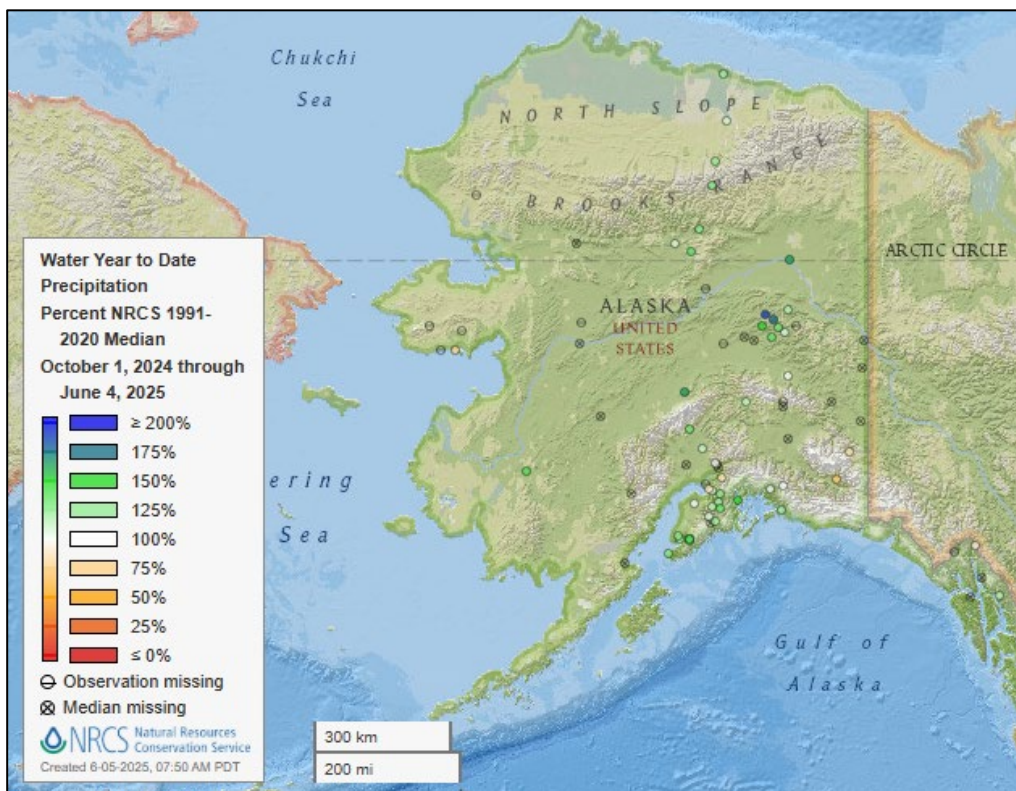


[2025 water year-to-date precipitation percent of median map](#)

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

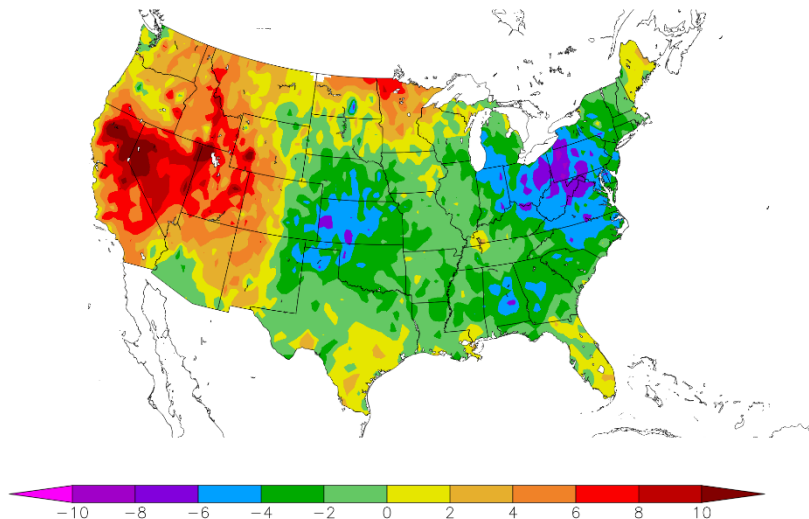
Last 7 Days, National Weather Service (NWS) Networks

Source: Regional Climate Centers

[7-day temperature anomaly map](#) for the contiguous U.S.

See also: [7-day temperature \(° F\) map](#)

Departure from Normal Temperature (F)
5/29/2025 – 6/4/2025



Generated 6/5/2025 using provisional data.

ACIS Web Services

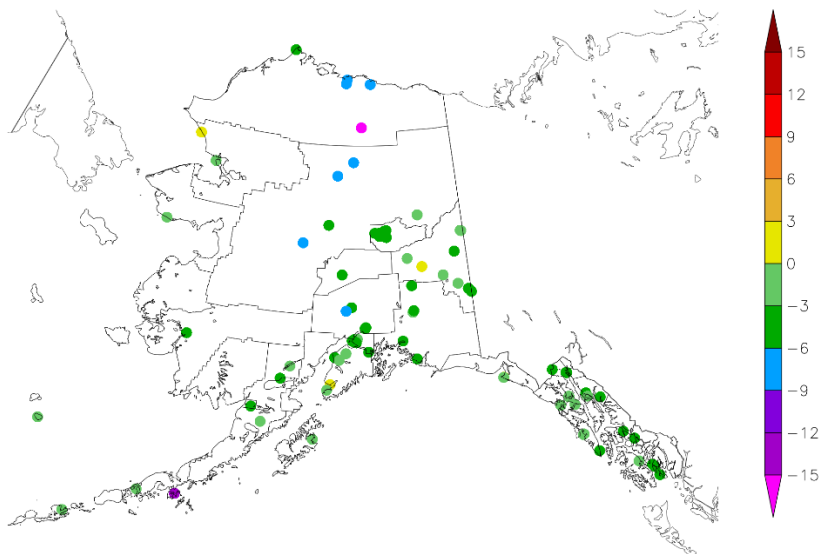
Last 7 Days, National Weather Service (NWS) Networks

Source: Regional Climate Centers

[7-day temperature anomaly map](#) for Alaska.

See also: [7-day temperature \(° F\) map](#)

Departure from Normal Temperature (F)
5/29/2025 – 6/4/2025



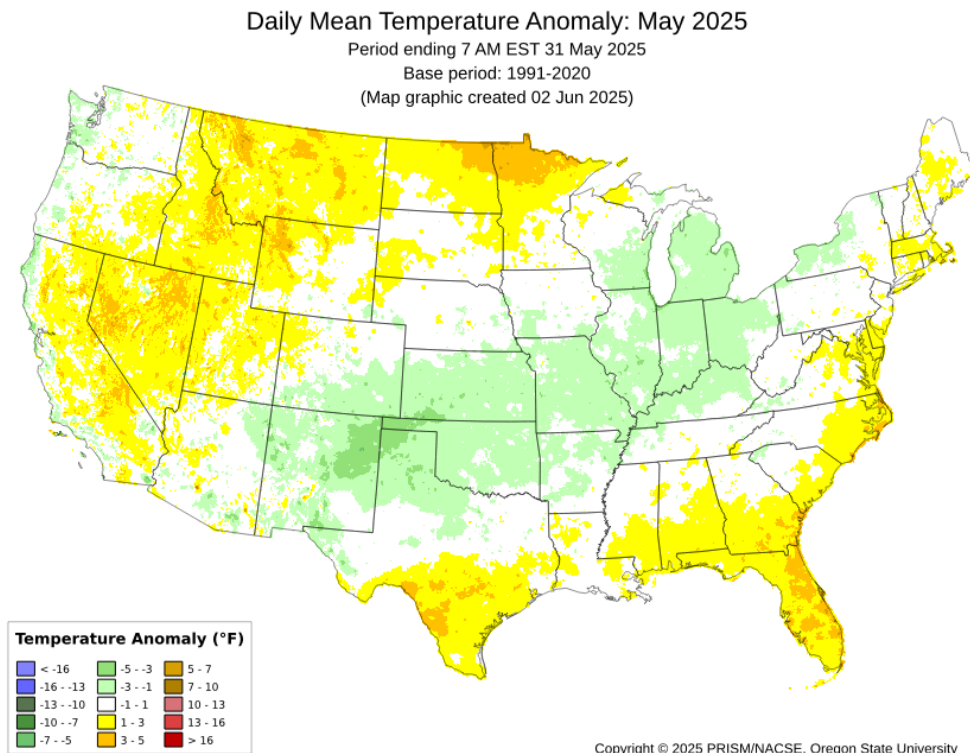
Generated 6/5/2025 using provisional data.

ACIS Web Services

Monthly, All Available Data Including SNOTEL and NWS Networks

Source: PRISM

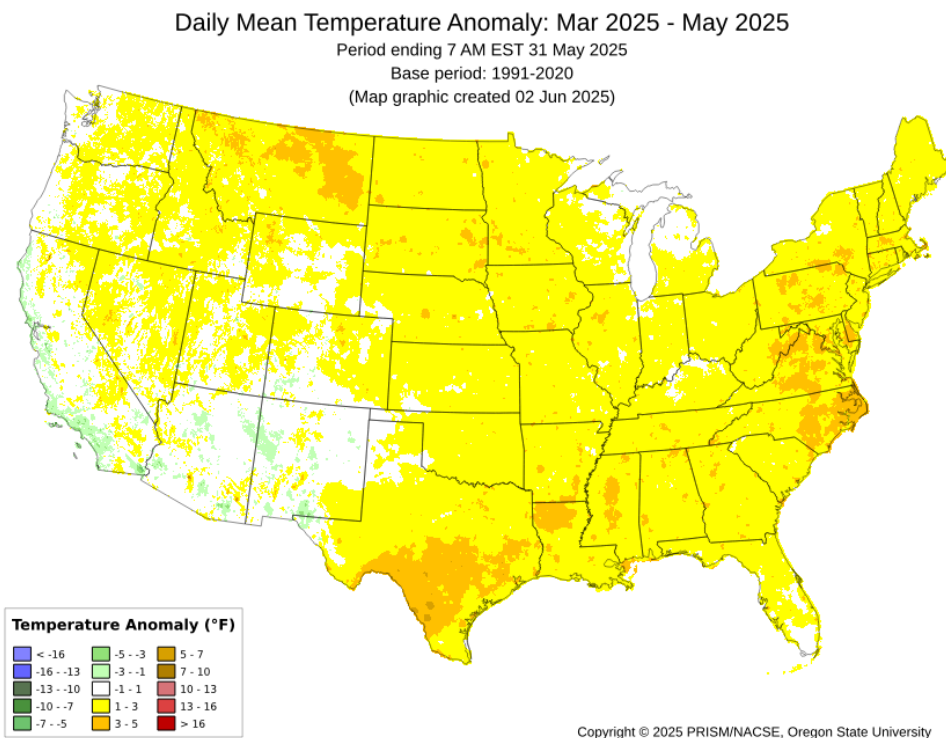
[Monthly national
daily mean
temperature
anomaly map](#)



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

Source: PRISM

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



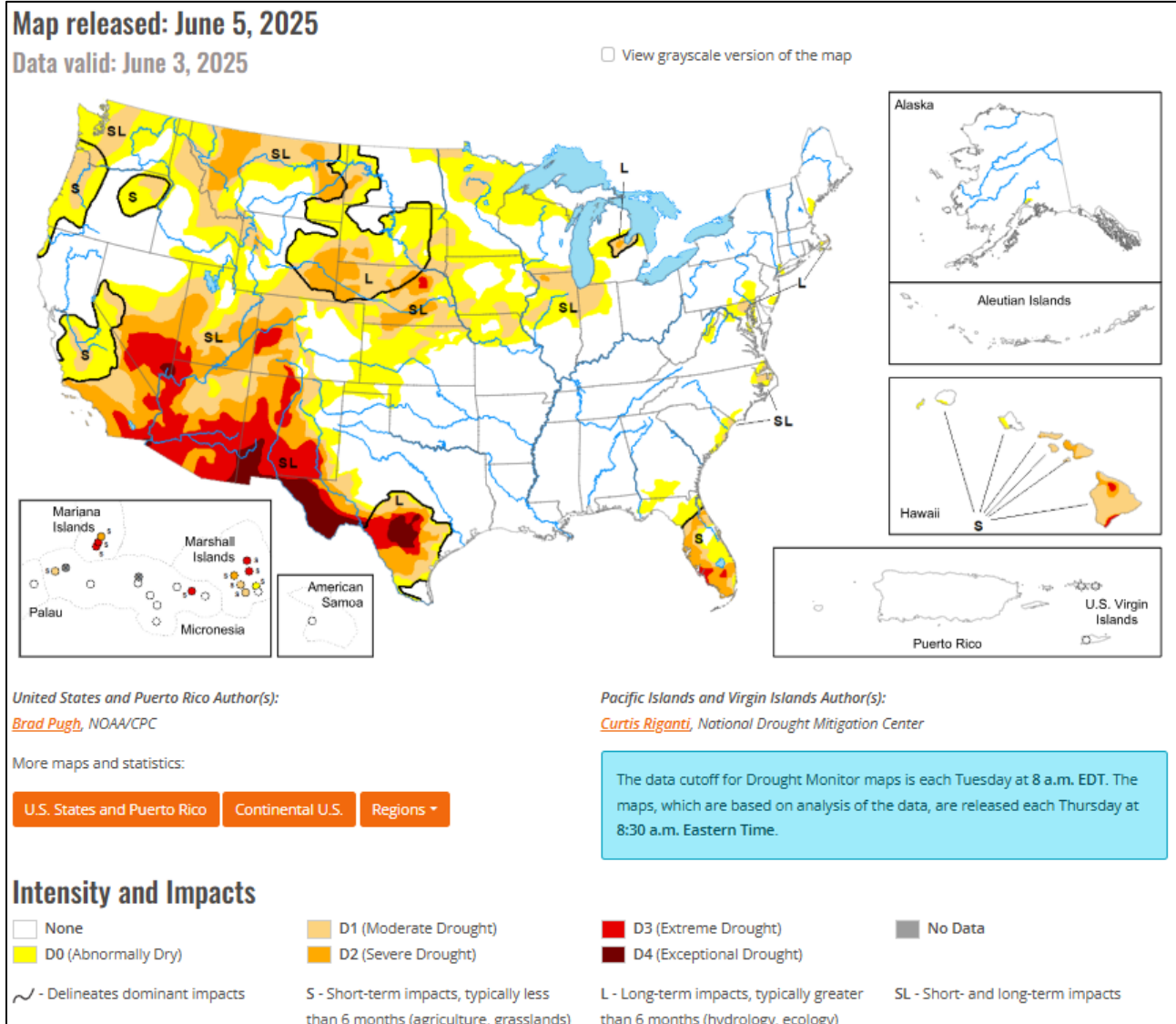
Drought

[U.S. Drought Monitor](#)

Source: National Drought Mitigation Center

[U.S. Drought Portal](#)

Source: NOAA



Current [National Drought Summary](#), June 3, 2025

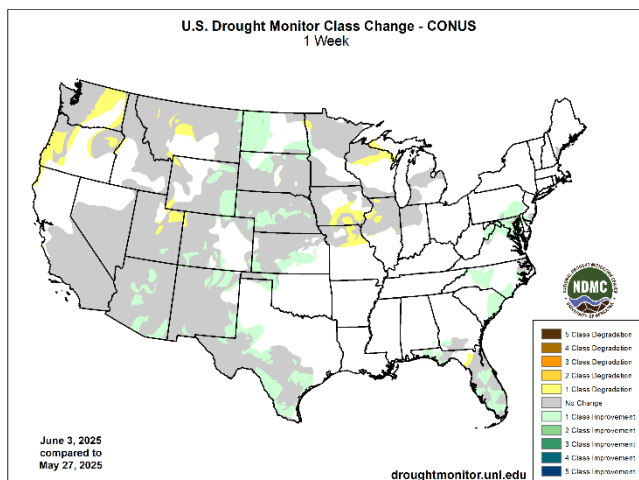
Source: National Drought Mitigation Center

“Drought coverage and intensity continued its overall decreasing trend this spring across the Great Plains. To the east across southern Iowa, northern Illinois, and northern Missouri, drought expanded with little to no precipitation from May 27 to June 2. The Desert Southwest had an unusual wet start to June as a low-pressure system, interacting with enhanced moisture from Tropical Storm Alvin in the East Pacific, resulted in locally heavy rainfall and a 1-category improvement to parts of Arizona. A wetter-than-normal May brought an end to drought throughout much of the Northeast. The rainy season is well underway across Florida and heavy rainfall this past week led to improvements across the central to southern Florida Peninsula. 7-day temperatures (May 27-June 2) averaged below-normal across most of the eastern and central U.S., while above-normal temperatures prevailed for the West. Alaska and Puerto Rico are drought-free, while drought of varying intensity continues for parts of Hawaii.”

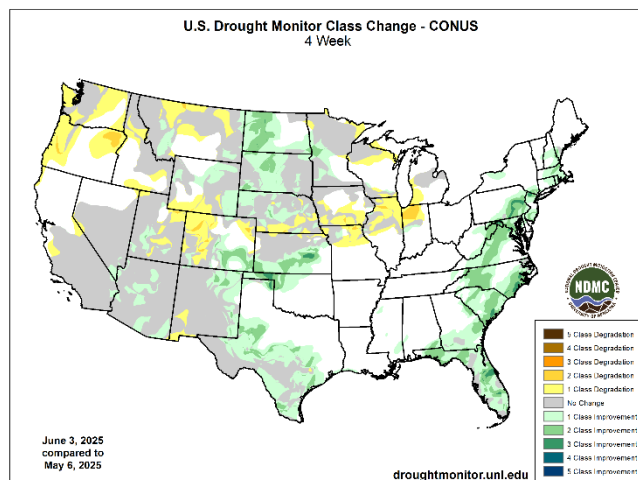
Changes in Drought Monitor Categories over Time

Source: National Drought Mitigation Center

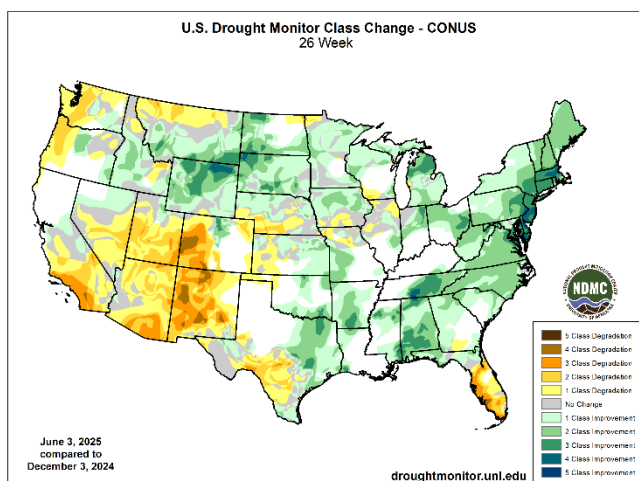
1 Week



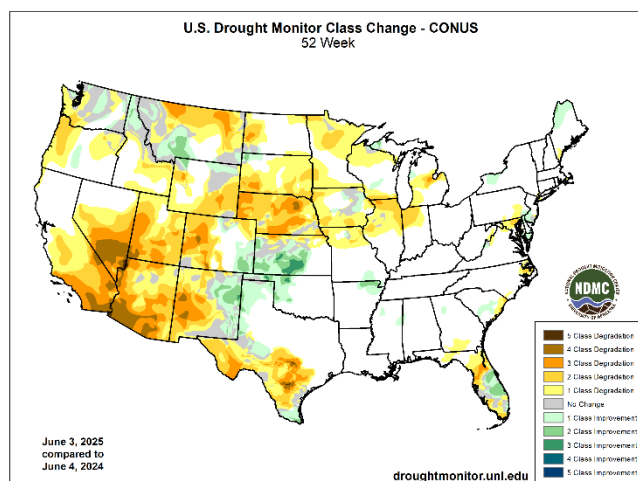
1 Month



6 Months



1 Year



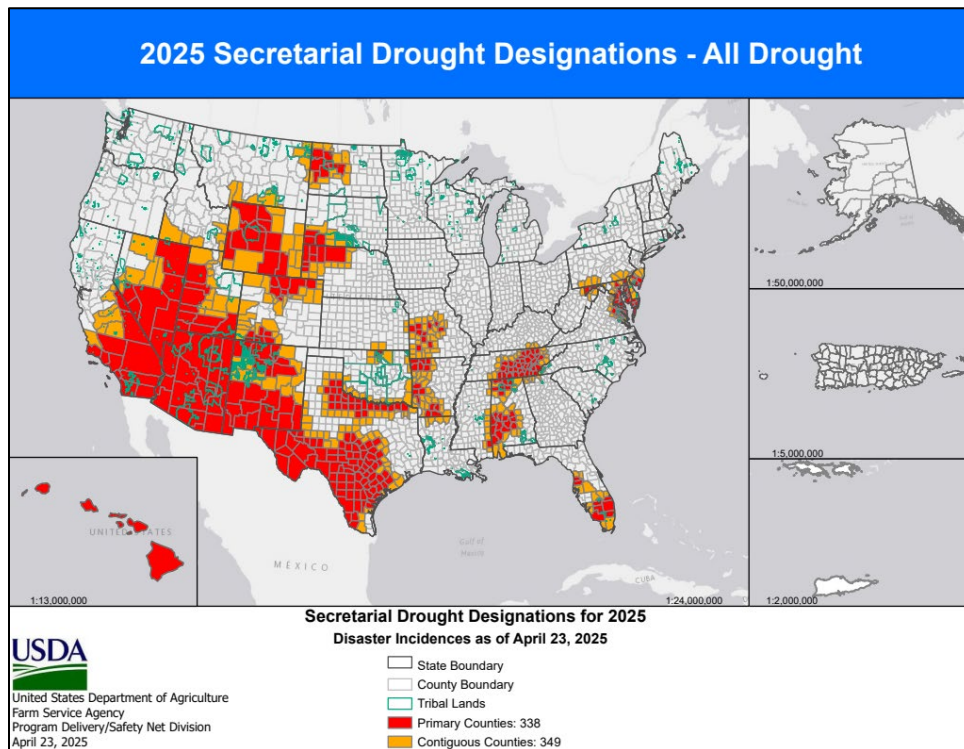
[Changes in drought conditions over the last 12 months for the contiguous U.S.](#)

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](#)

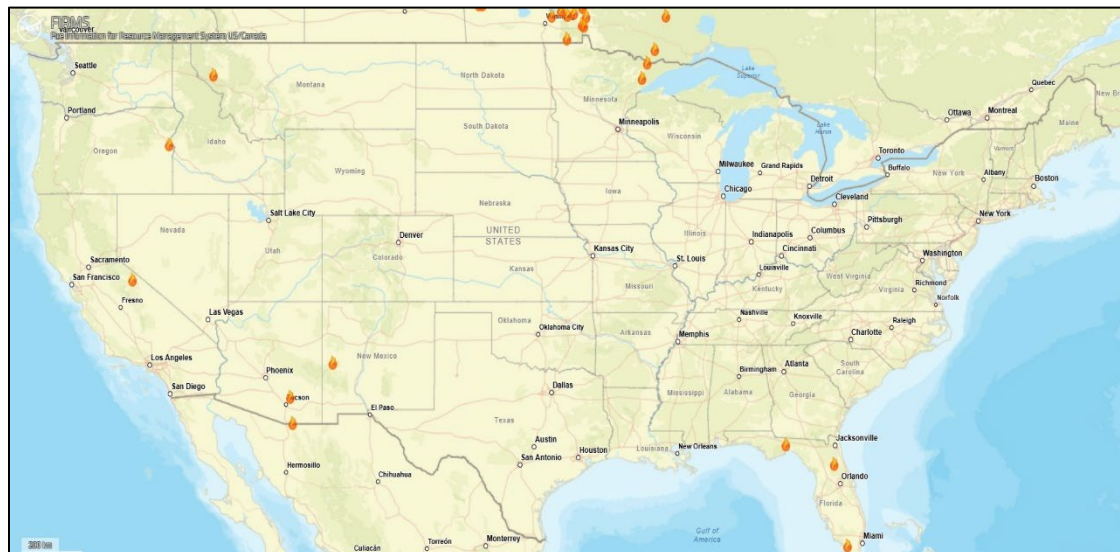
USDA Secretarial [Drought Designations](#)

Source: USDA Farm Service Agency



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

Source: NASA/USDA Forest Service



Current large wildland fires, as classified by the National Interagency Coordination Center

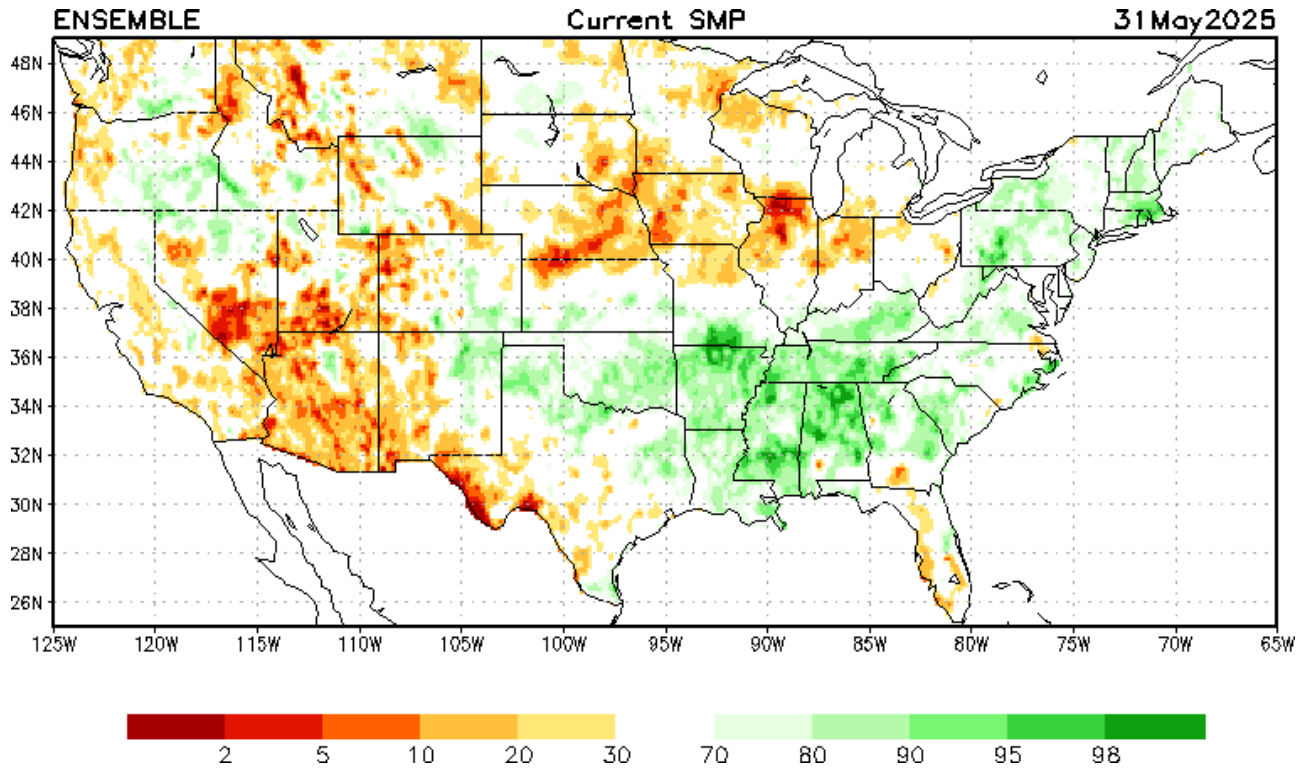
Highlighted Wildfire Resources

- [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

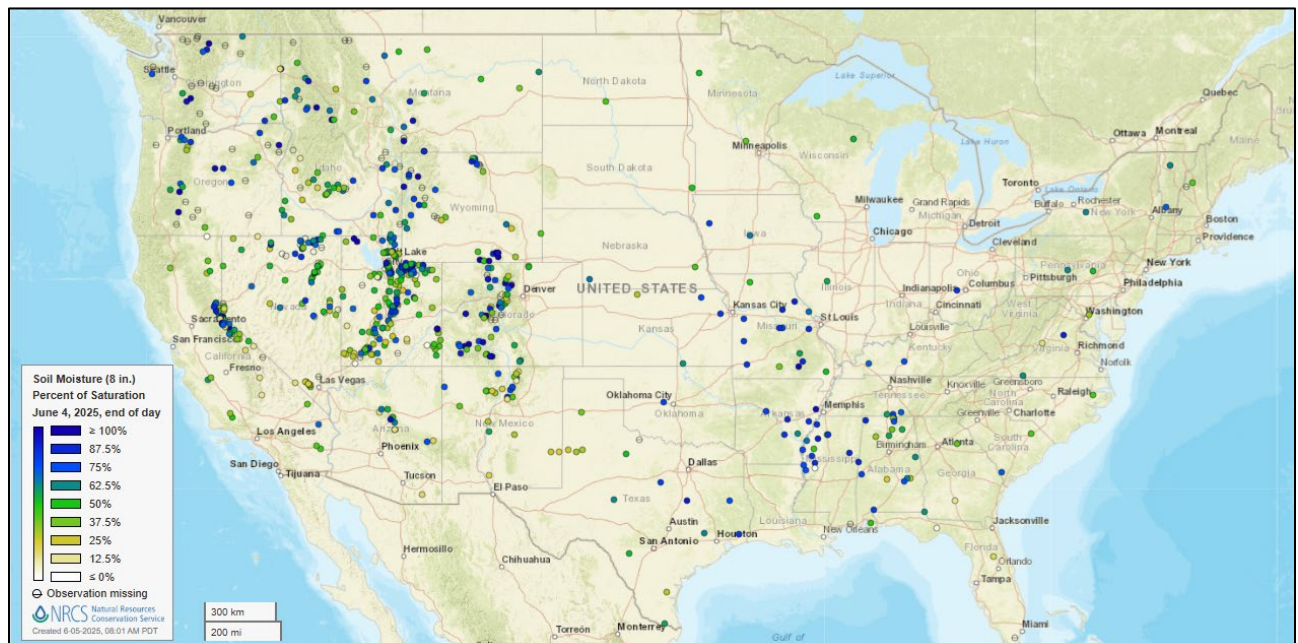


[Modeled soil moisture percentiles](#) as of May 31, 2025

Soil Moisture Percent of Saturation

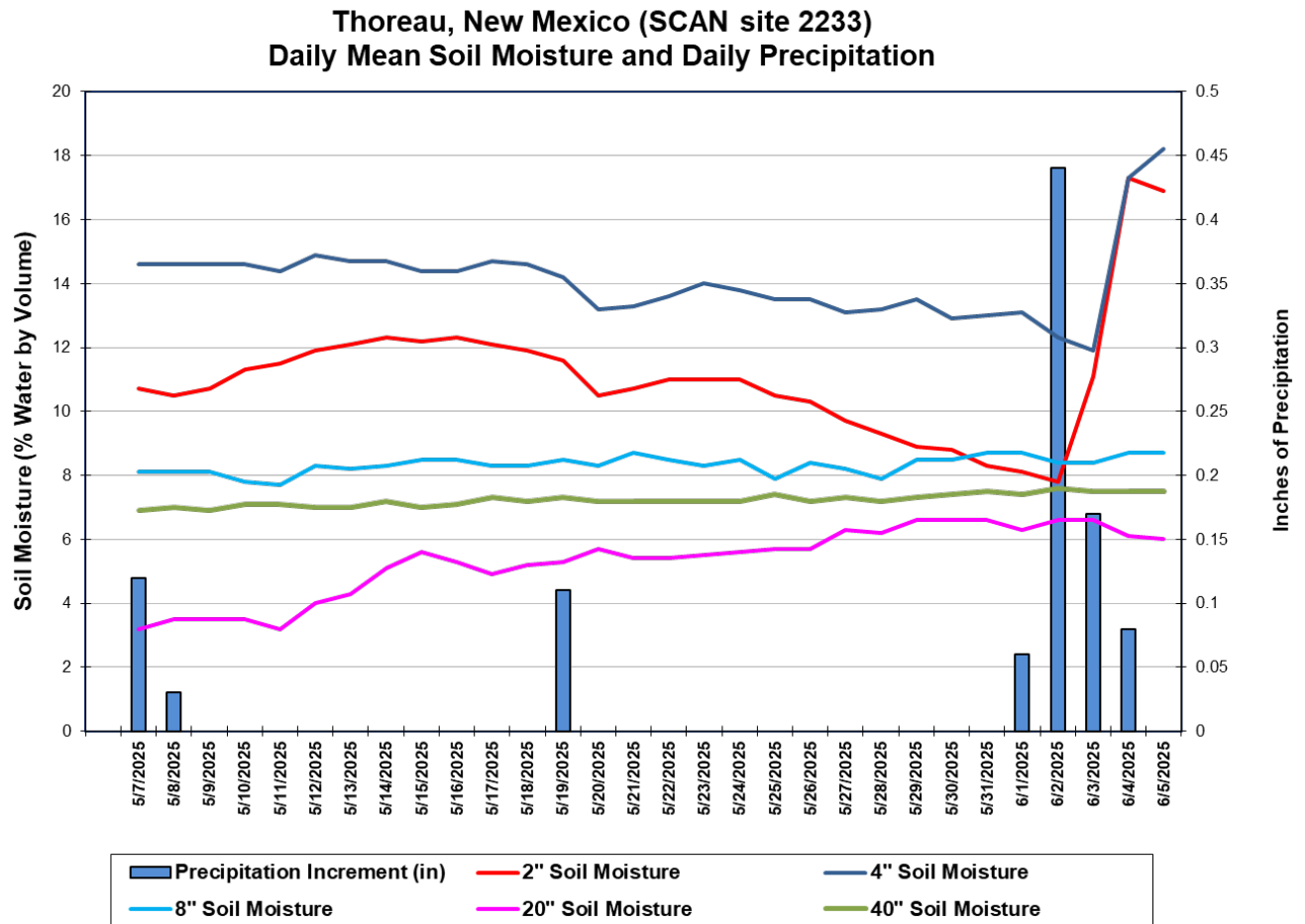
Source: NRCS SNOTEL and [Soil Climate Analysis Network](#) (SCAN)

[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 [Thoreau](#) SCAN site in New Mexico. Storm activity deposited 0.75 inches of precipitation at the site between June 1-4, with soil sensors two and four inches beneath land surface recording pronounced increases in soil moisture during the event. Total precipitation for the 30-day period was 1.01 inches.

Soil Moisture Data Portals

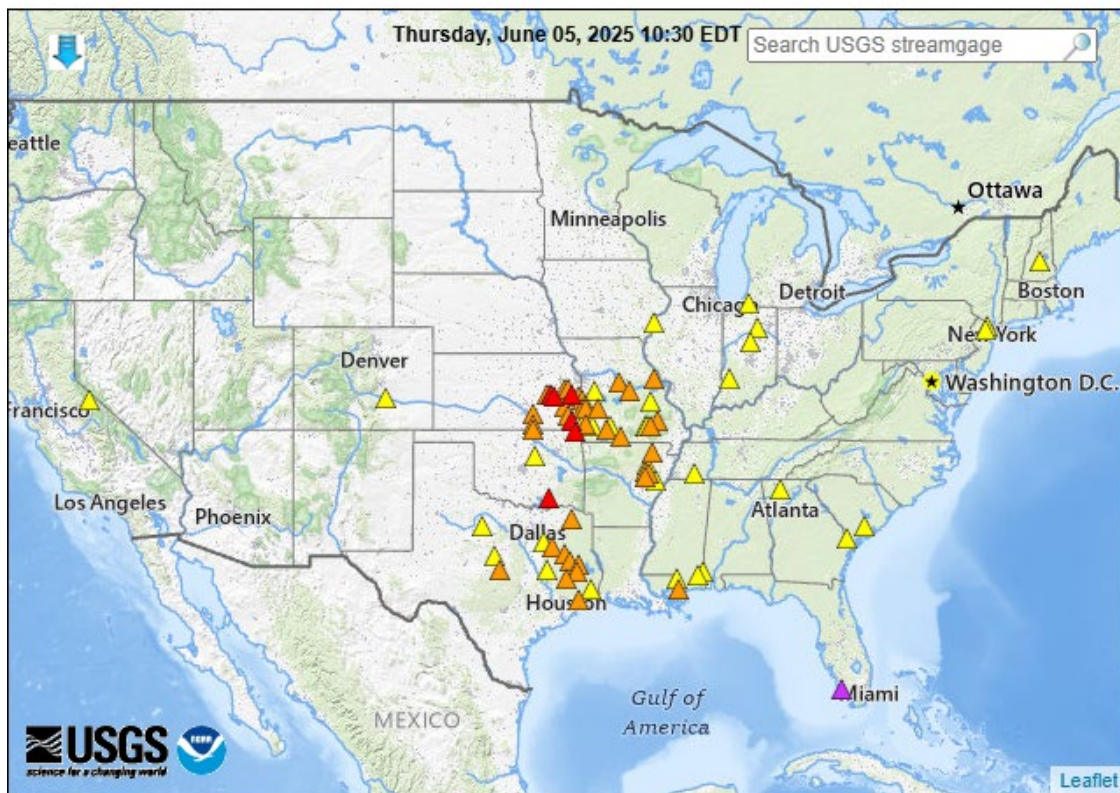
- [USCRN Soil Moisture](#)
- [National Soil Moisture Network](#)
- [NOAA Climate Prediction Center Soil Moisture](#)
- [NASA Grace](#)

Streamflow, Drought, Flood, and Runoff

Source: U.S. Geological Survey [WaterWatch Streamflow Map](#)

Map of flood and high flow conditions

(43 in floods [major: 1, moderate: 6, minor: 36], 33 in near-flood)



Explanation - Percentile classes						
<95	95-98	>= 99	Above action stage	Above flood stage	Above moderate flood stage	Above major flood stage
▲ Streamgage with flood stage ○ Streamgage without flood stage						

[WaterWatch: Streamflow, drought, flood, and runoff conditions](#)

Reservoir Storage

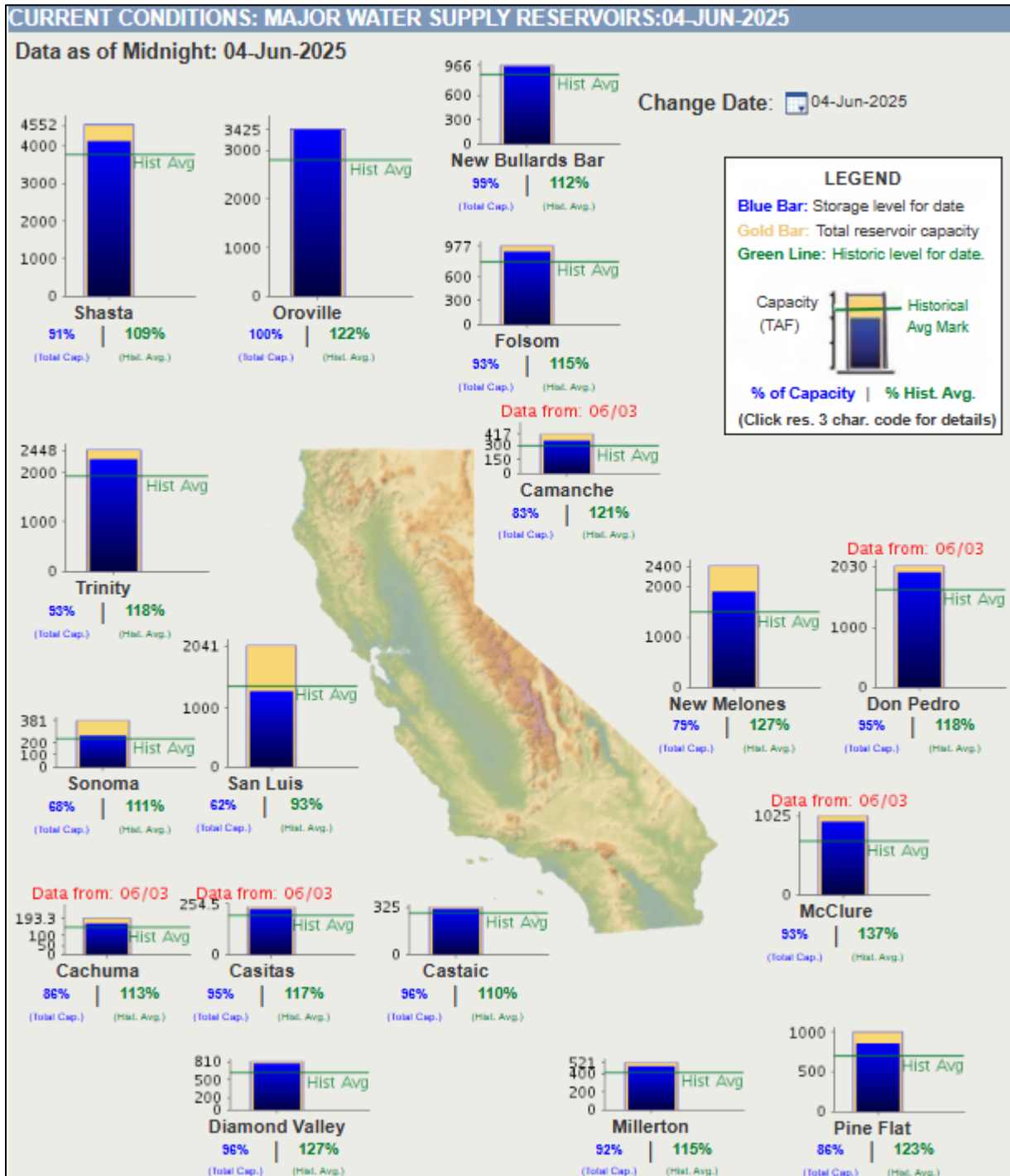
Hydromet Teacup Reservoir Depictions

Source: U.S. Bureau of Reclamation

- [Upper Colorado](#)
- [Pacific Northwest/Snake/Columbia](#)
- [Sevier River Water, Utah](#)
- [Upper Missouri, Kansas, Oklahoma, Texas](#)

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 June 5, 2025: “Showers associated with a weak low-pressure system over the Carolinas should drift northeastward today while shifting offshore. Meanwhile, a slow-moving cold front stretching from the lower Great Lakes region to Texas will become more active, with 5-day rainfall totals expected to total 1 to 4 inches or more from Oklahoma, southern Kansas, and northern Texas to the western slopes of the southern Appalachians. Additional flooding may occur where rivers are already running high, especially in parts of Oklahoma and southeastern Kansas. In contrast, any rain during the next 5 days across the northern Plains and much of the Midwest will be generally light, while little or no precipitation will fall across southern Texas and most areas west of the Rockies. Building heat will accompany the Western dryness, with temperatures soaring to 100°F late in the weekend and early next week as far north as eastern Washington. The NWS 6- to 10-day outlook for June 10 – 14 calls for the likelihood of near- or above-normal temperatures and precipitation across most of the country. Cooler-than-normal conditions will be confined to an area stretching from the southern half of the Plains into the mid-South and lower Ohio Valley, while drier-than-normal weather should be limited to portions of the lower Great Lakes region and the Pacific Northwest.”

Weather Hazards Outlook: [June 7 – 11, 2025](#)

Source: NOAA Weather Prediction Center

U.S. Day 3-7 Hazards Outlook

[About the Hazards Outlook](#)

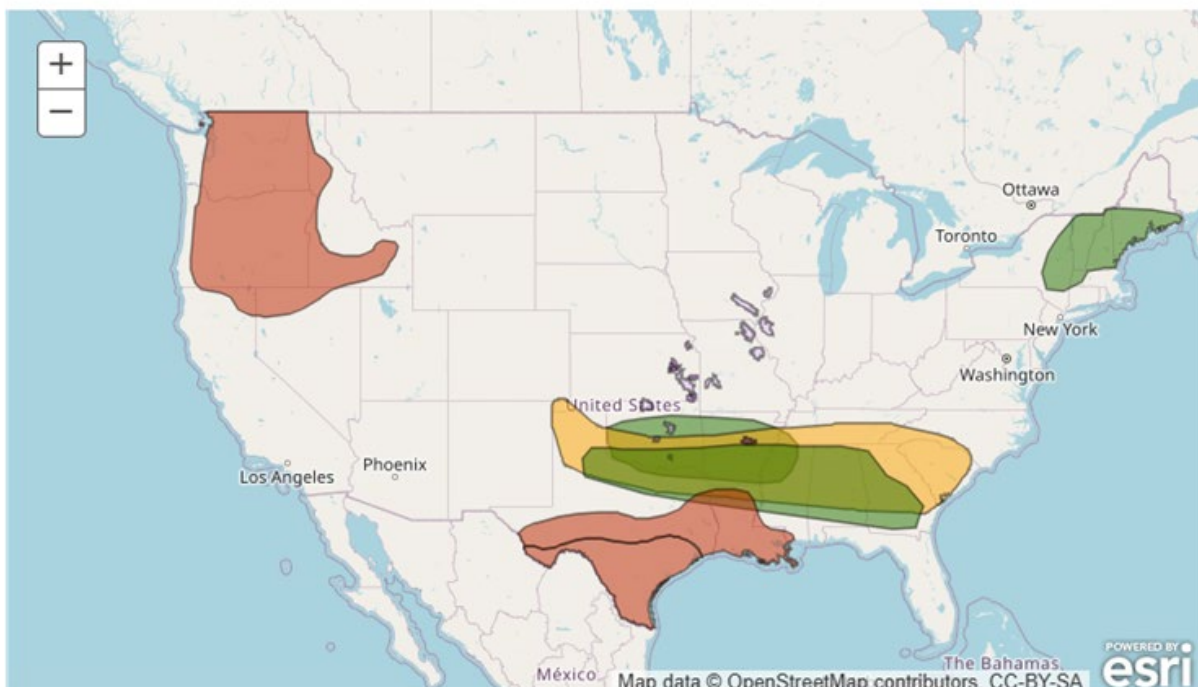
Created June 04, 2025

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

Precipitation	☒
Temperature	☒
Wildfires	☒
Soils	☐

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

Valid June 07, 2025 - June 11, 2025

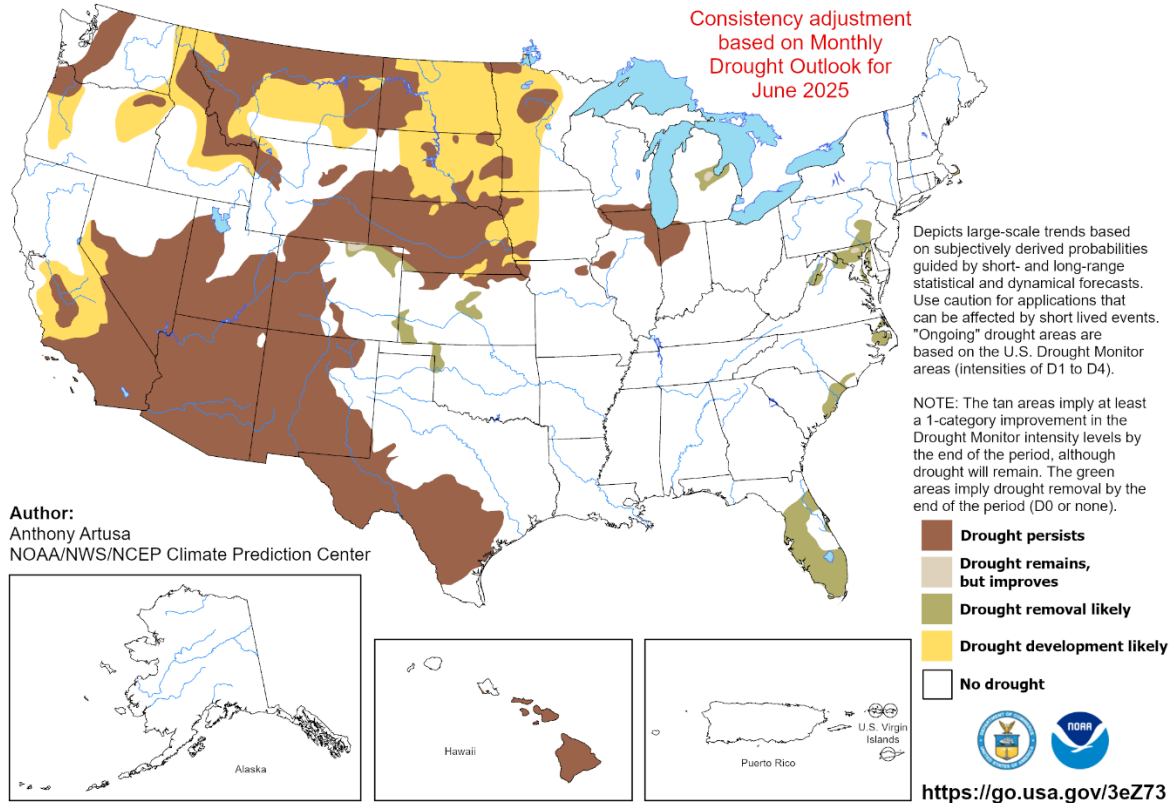


Seasonal Drought Outlook: [June 1 – August 31, 2025](#)

Source: National Weather Service

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

Valid for June 1 - August 31, 2025
Released May 31, 2025

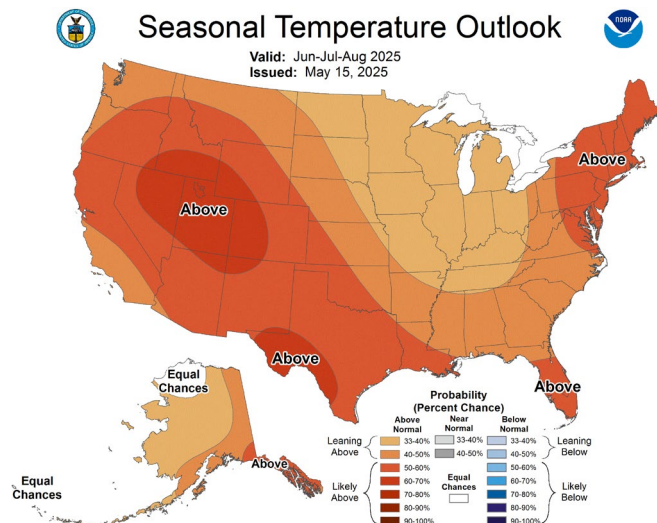
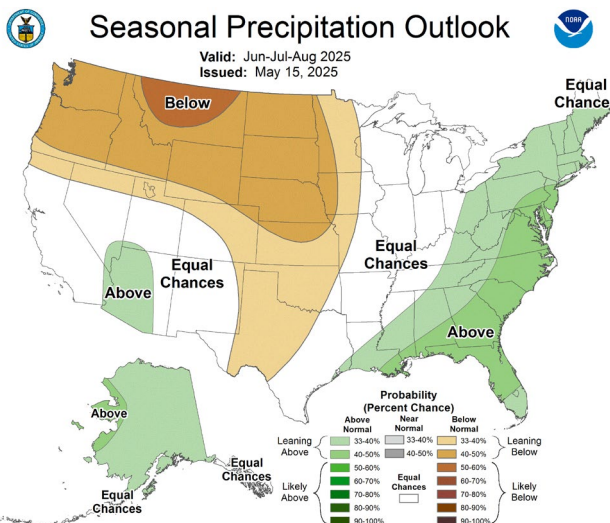


Climate Prediction Center Three-month Outlook

Source: National Weather Service

[Precipitation](#)

[Temperature](#)



[June-July-August 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](#).