

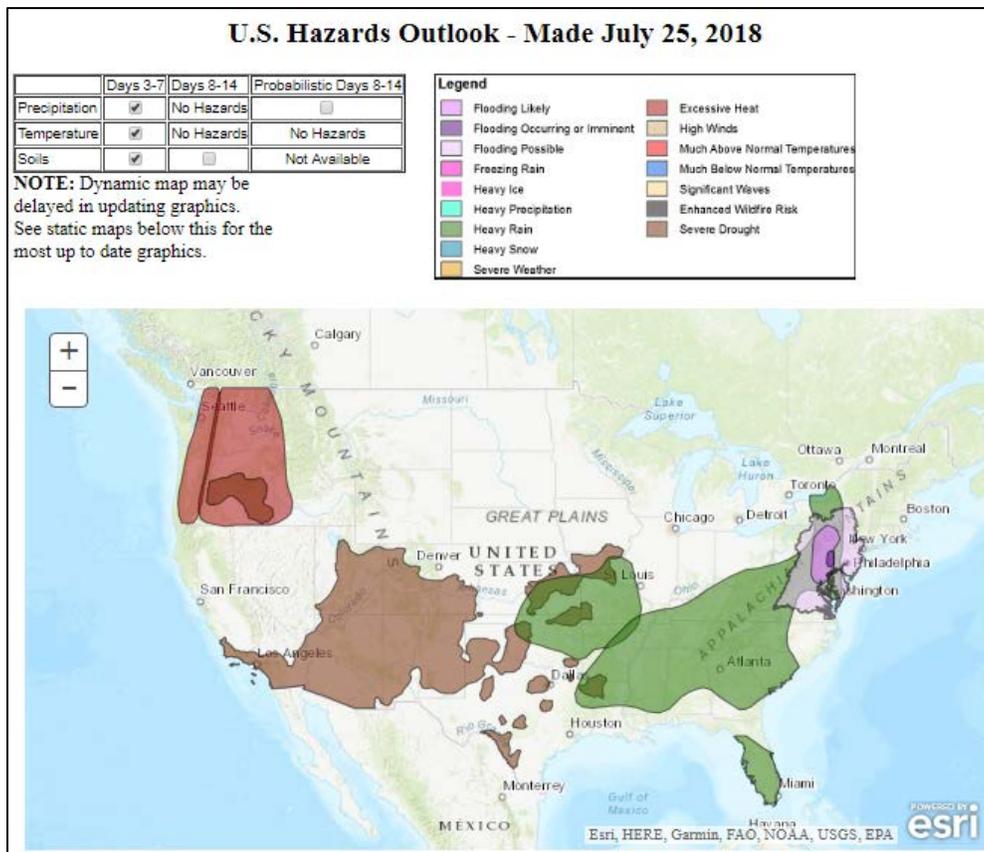
Water and Climate Update

July 26, 2018

The Natural Resources Conservation Service 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.

Precipitation	1	Other Climatic and Water Supply Indicators	12
Temperature	6	Short- and Long-Range Outlooks.....	15
Drought	8	More Information	17

Extreme heat in the Northwest; flood warnings in the Northeast



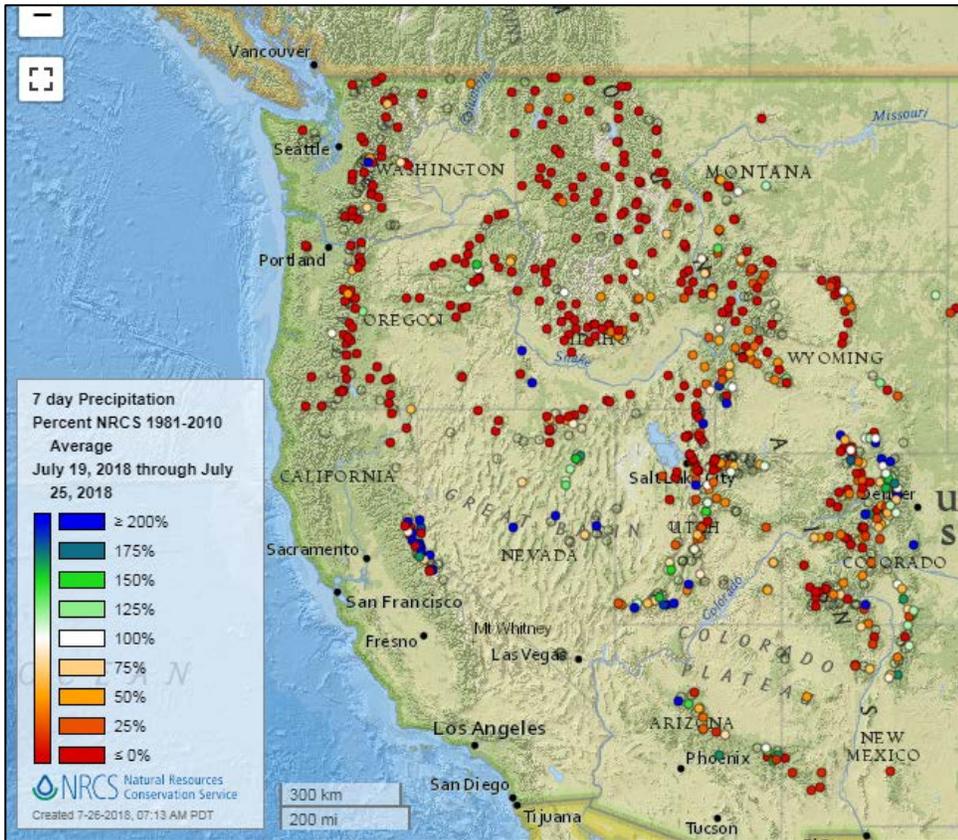
The National Weather Service Climate Prediction Center's [U.S. Hazards Outlook](#) shows heavy rain in parts of the Midwest, lower Mississippi Valley, and into the Mid-Atlantic states. Flooding continues in areas of the Northeast. Excessive heat will remain in the Pacific Northwest, with severe drought conditions lingering from the Southwest into the southern Plains.

Related:

- [40 million in West face scorching heat; 30 million under flood watch in East – USA Today](#)
- [Torrential Rain Slams Parts of East Coast with Historic Flooding – NBC News](#)
- [Flooding in East, heat in West: Double whammy hits US – USA Today](#)
- ["Life-threatening" floodwaters possible as rain batters East coast – CBS News](#)

Precipitation

Last 7 Days, NRCS SNOTEL Network

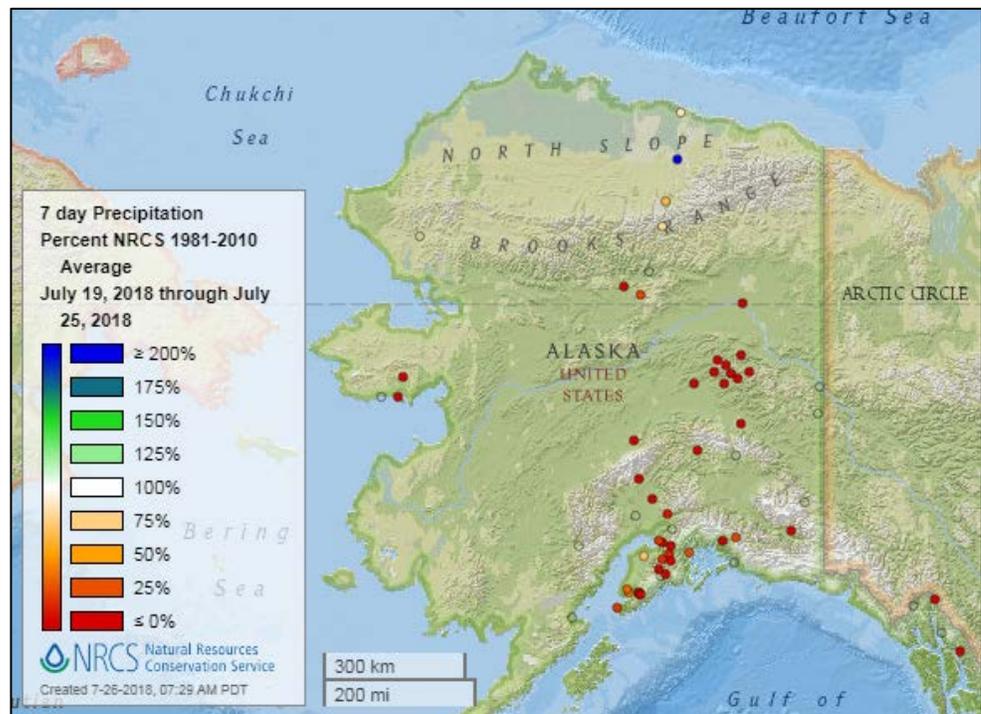


[7-day precipitation percent of average map](#)

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

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

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



Water and Climate Update

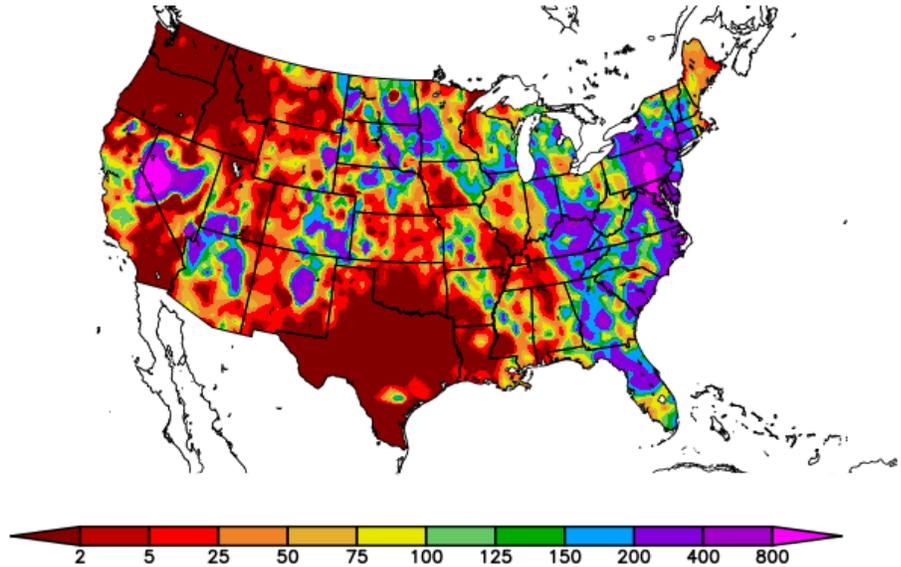
Last 7 Days, National Weather Service (NWS) Networks

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 (%) 7/19/2018 – 7/25/2018



Generated 7/26/2018 at HPRCC using provisional data.

NOAA Regional Climate Centers

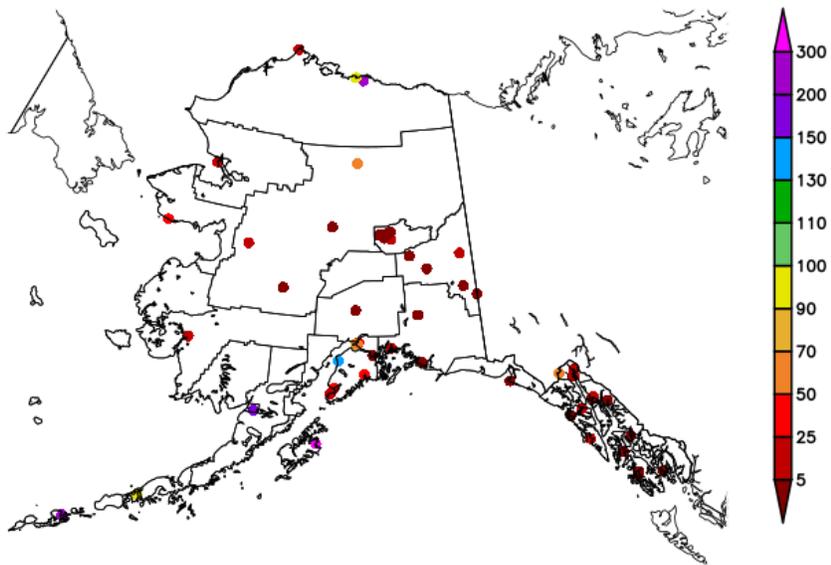
Last 7 Days, National Weather Service (NWS) Networks

Source: Regional Climate Centers

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

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

Percent of Normal Precipitation (%) 7/19/2018 – 7/25/2018



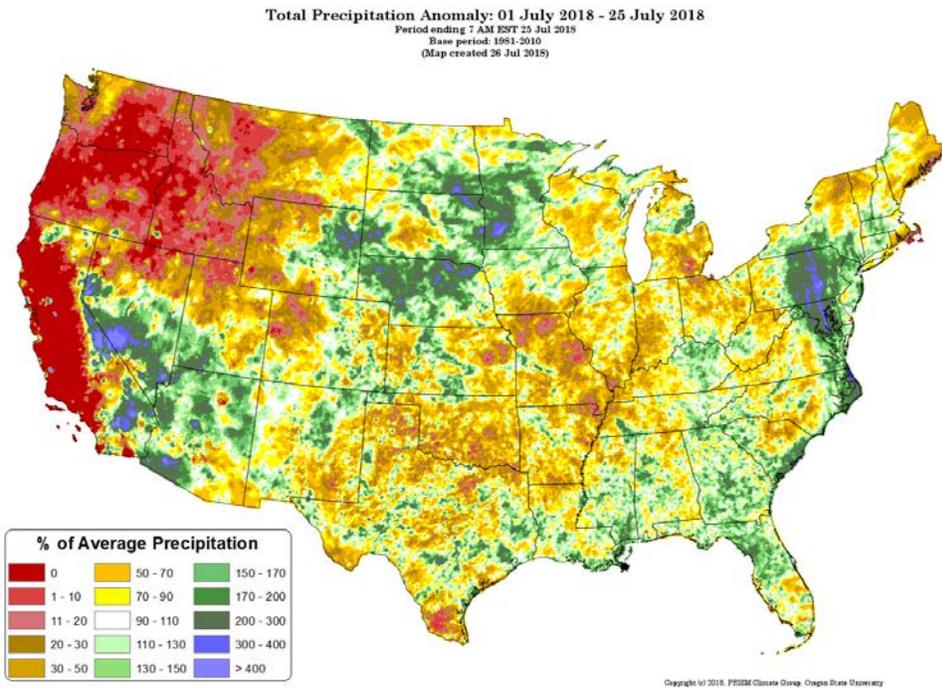
Generated 7/26/2018 at HPRCC using provisional data.

NOAA Regional Climate Centers

Water and Climate Update

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

Source: PRISM

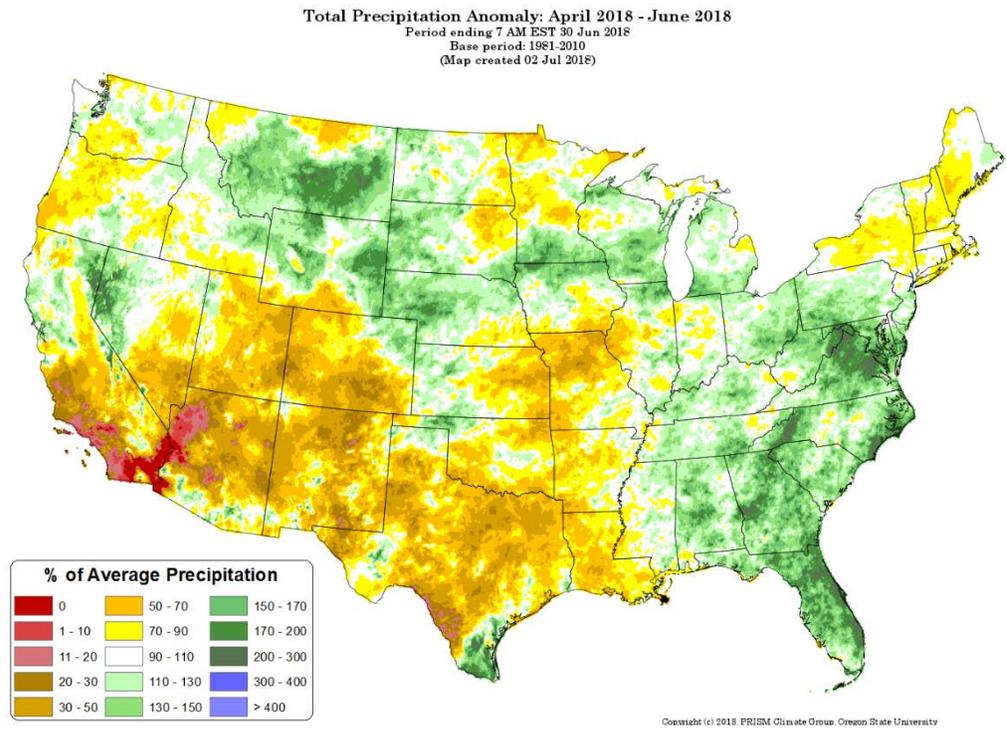


[Month-to-date national total precipitation percent of average map](#)

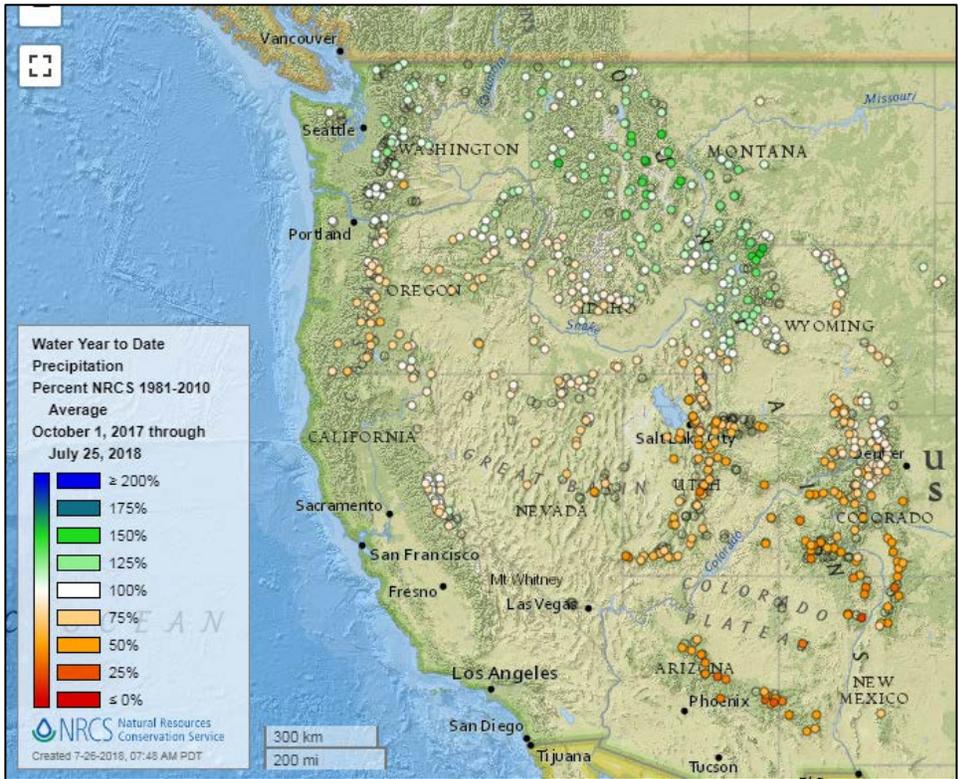
Last 3 Months, All Available Data Including SNOTEL and NWS Networks

Source: PRISM

[April through June 2018 total precipitation percent of average map](#)



Water Year-to-Date, NRCS SNOTEL Network



[2018 water year-to-date precipitation percent of average map](#)

See also: [2018 water year-to-date precipitation values \(inches\) map](#)



[Alaska 2018 water year-to-date precipitation percent of average map](#)

See also: [Alaska 2018 water year-to-date precipitation values \(inches\) map](#)

Temperature

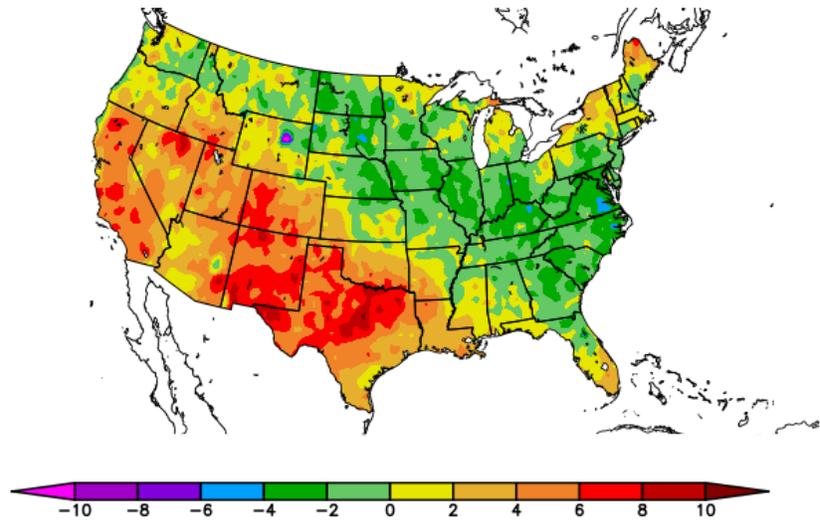
Last 7 Days, National Weather Service (NWS) Networks

Source: Regional Climate Centers

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

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

Departure from Normal Temperature (F)
7/19/2018 – 7/25/2018



Generated 7/26/2018 at HPRCC using provisional data.

NOAA Regional Climate Centers

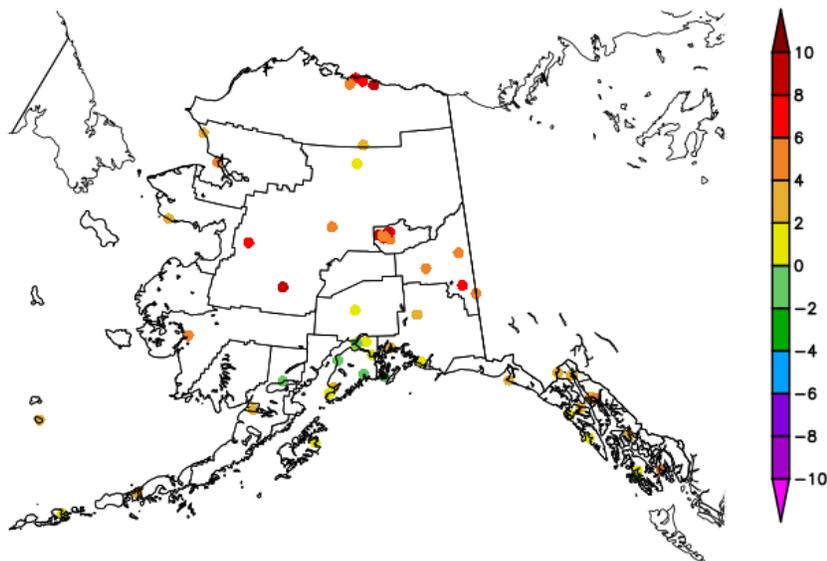
Last 7 Days, National Weather Service (NWS) Networks

Source: Regional Climate Centers

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

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

Departure from Normal Temperature (F)
7/19/2018 – 7/25/2018



Generated 7/26/2018 at HPRCC using provisional data.

NOAA Regional Climate Centers

Water and Climate Update

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

Source: PRISM

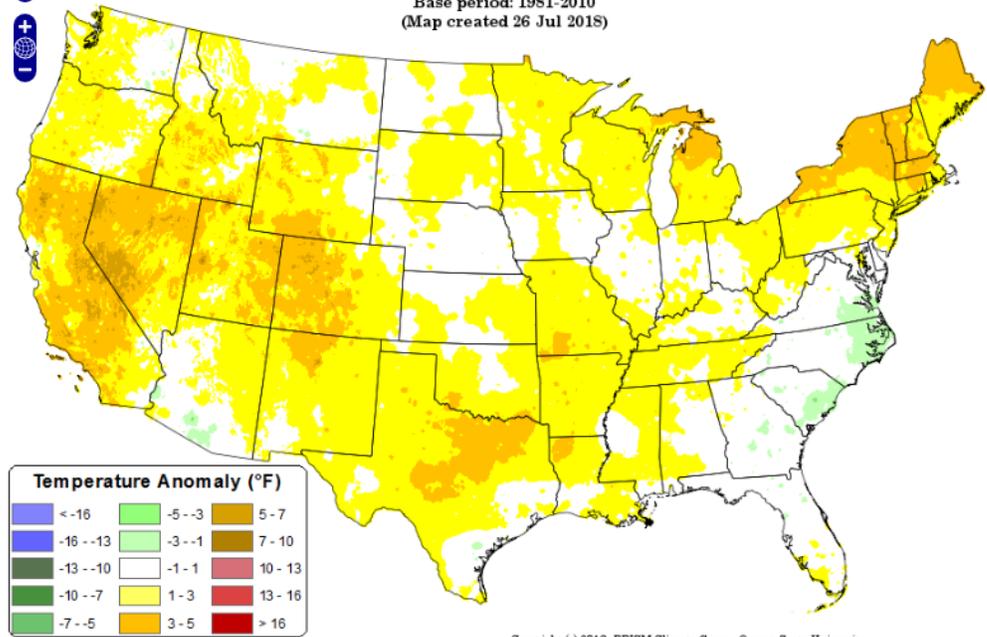
[Month-to-date national daily mean temperature anomaly map](#)



Daily Mean Temperature Anomaly: 01 July 2018 - 25 July 2018

Period ending 7 AM EST 25 Jul 2018

Base period: 1981-2010
(Map created 26 Jul 2018)



Copyright (c) 2018, PRISM Climate Group, Oregon State University

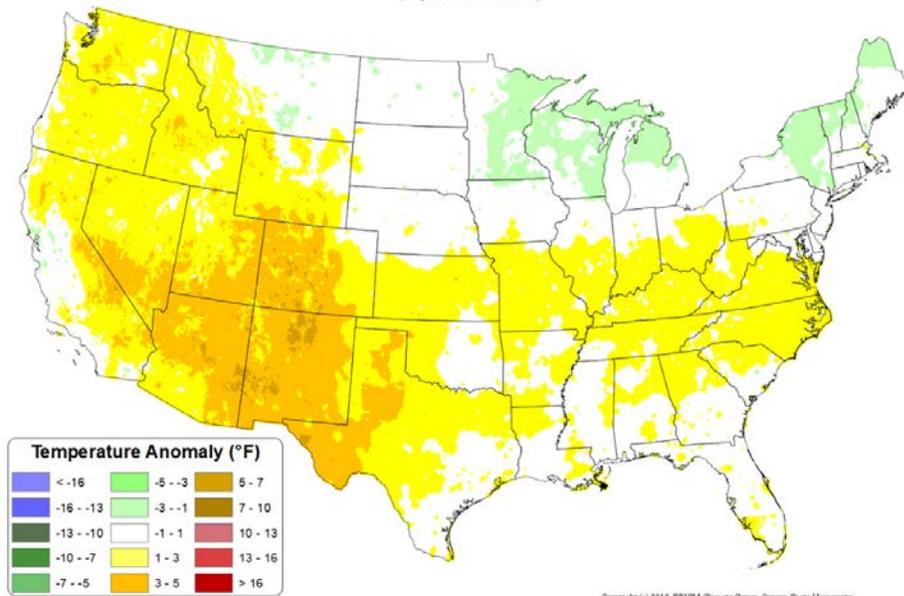
Last 3 Months, All Available Data Including SNOTEL and NWS Networks

Source: PRISM

Daily Mean Temperature Anomaly: April 2018 - June 2018

Period ending 7 AM EST 30 Jun 2018

Base period: 1981-2010
(Map created 02 Jul 2018)



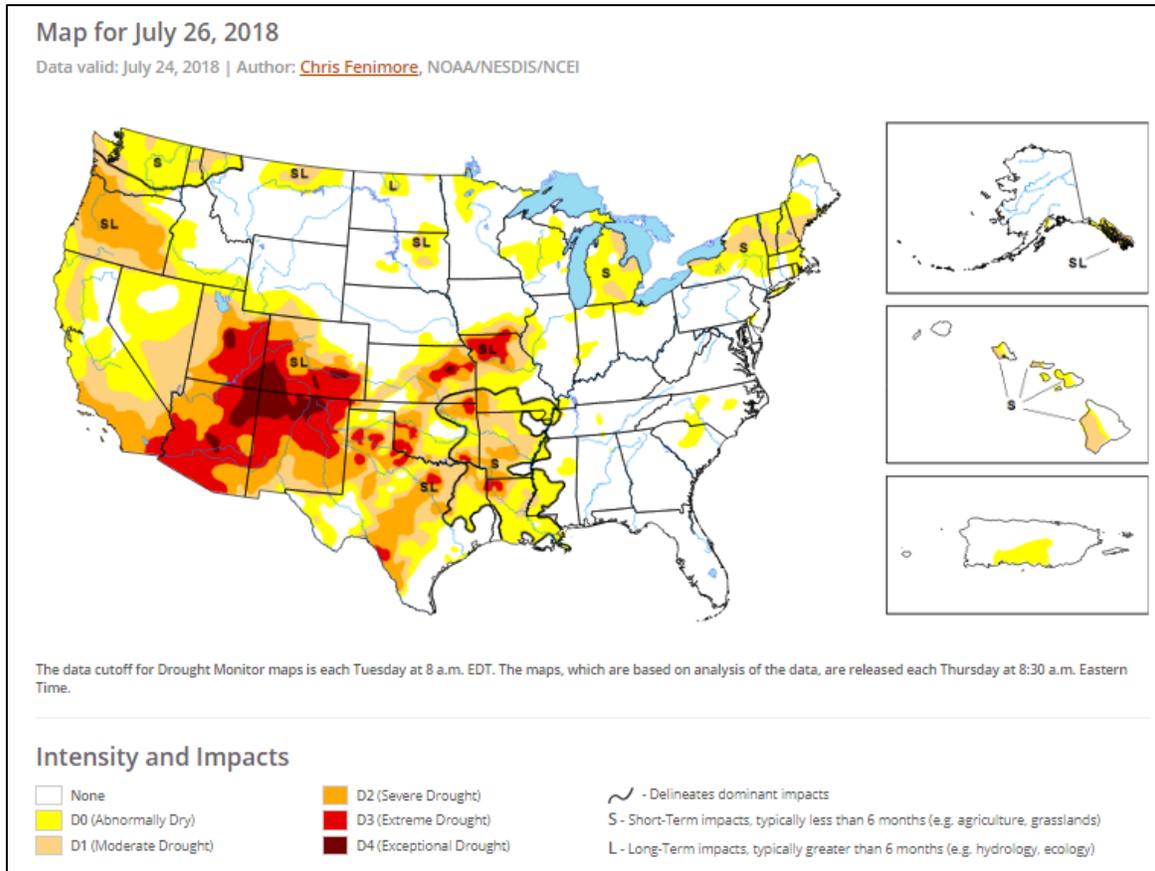
Copyright (c) 2018, PRISM Climate Group, Oregon State University

[April through June 2018 daily mean temperature anomaly map](#)

Drought

[U.S. Drought Monitor](#) Select map below.

[U.S. Drought Portal](#) Comprehensive drought resource.



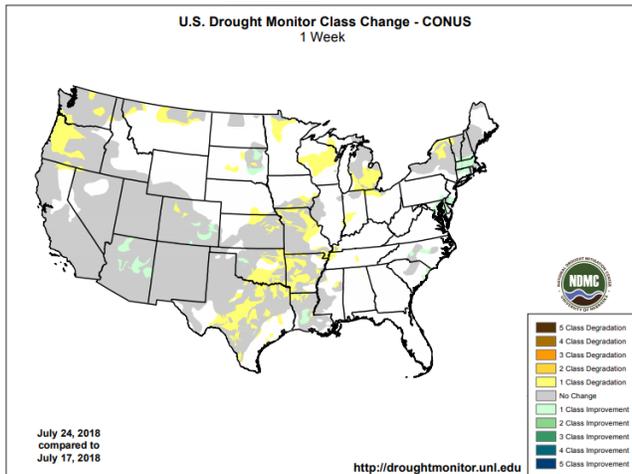
Current [National Drought Summary](#), July 26, 2018

Author: Chris Fenimore, NOAA/NESDIS/NCEI

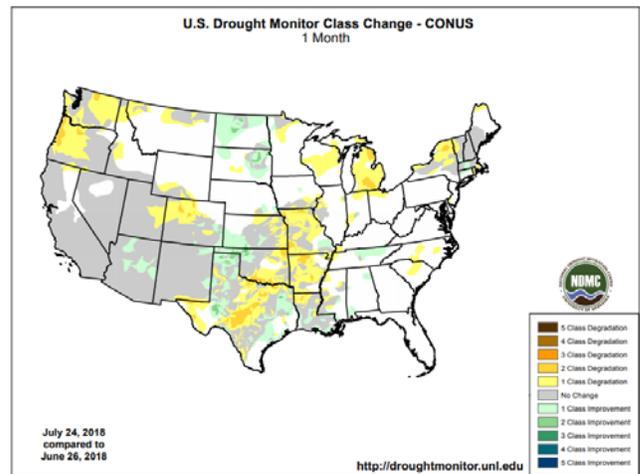
“During the period covering July 17-24, precipitation fell across a vast majority of the East, the heaviest of which flooded parts of Maryland, including the Washington D.C. area. Heavy rains also fell in parts of Florida, Kentucky, and South Carolina. In the central U.S., moderate precipitation fell in parts of the High Plains while lighter rains provided little to no relief in parts of Kansas. The drought-stricken areas of Oklahoma and Texas saw little to no precipitation and triple digit temperatures, exacerbating drought conditions.”

Changes in Drought Monitor Categories over Time

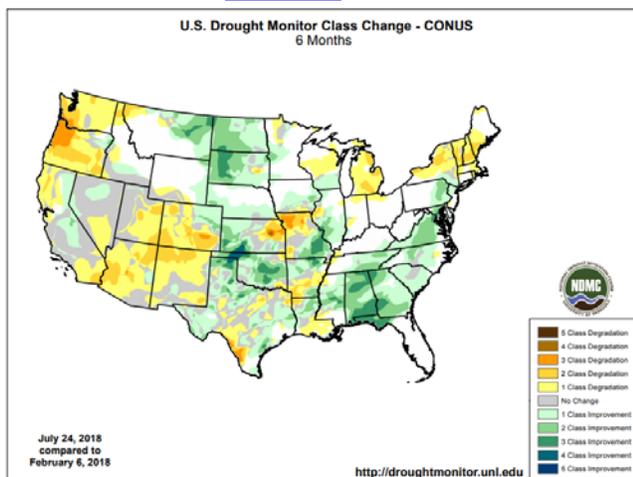
1 Week



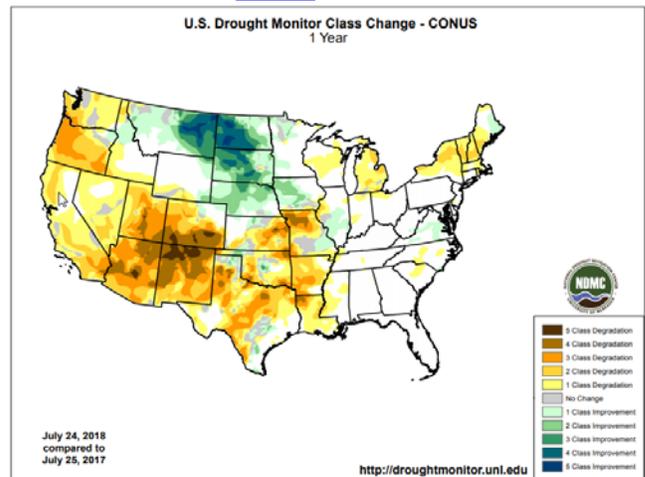
1 Month



6 Months



1 Year



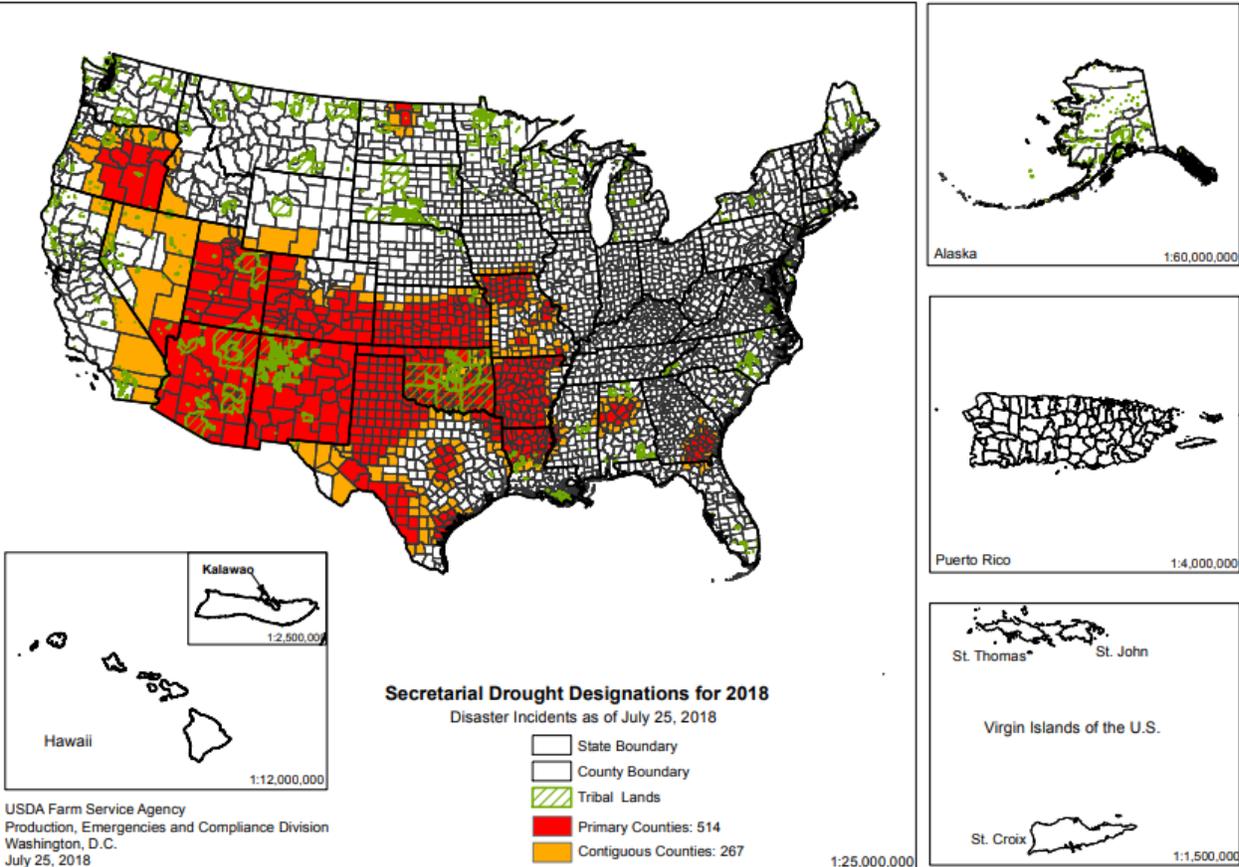
Changes in drought conditions over the last 12 months

Highlighted Drought Resources

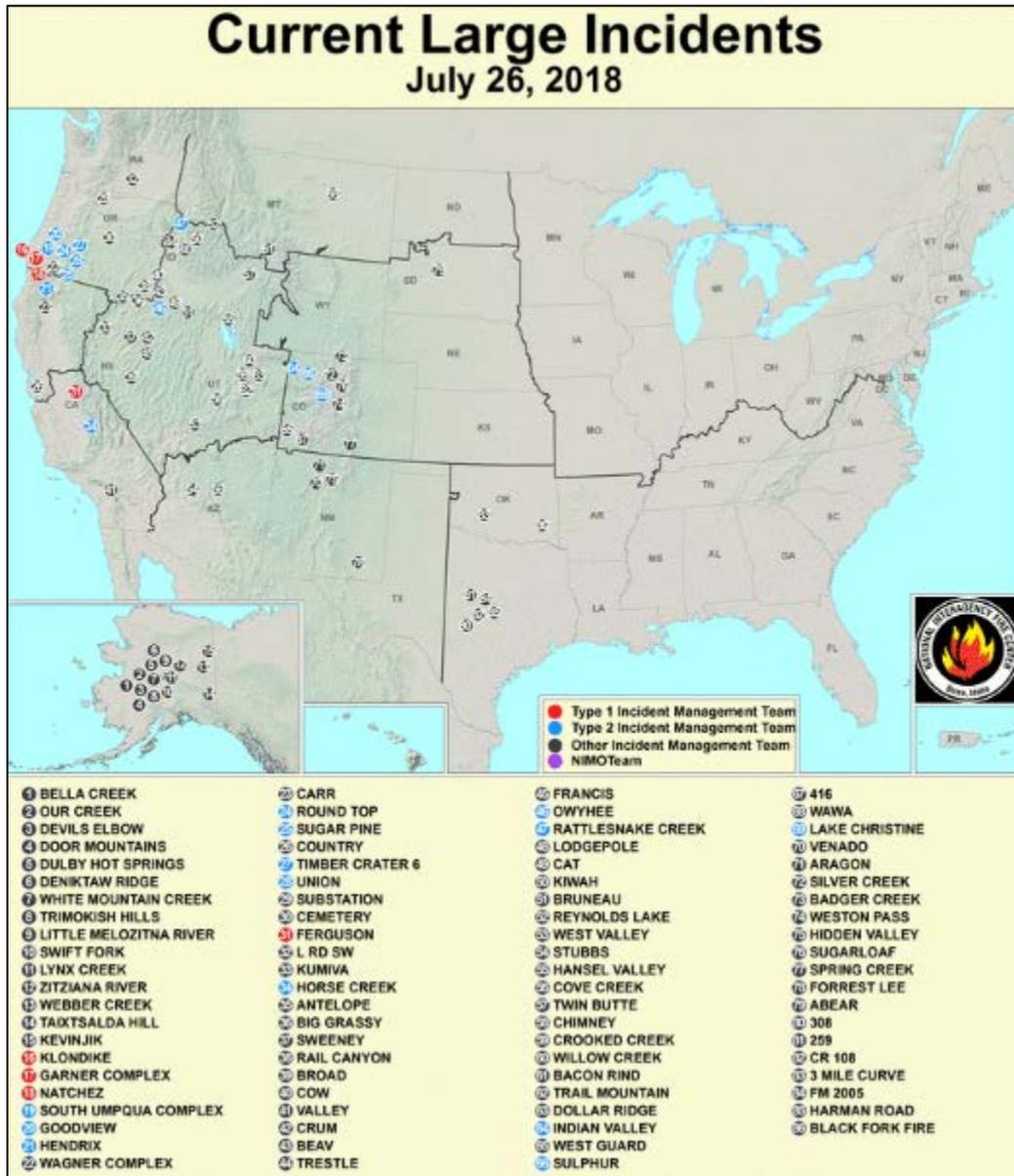
- [Drought Impact Reporter](#)
- [Quarterly Regional Climate Impacts and Outlook](#)
- [U.S. Drought Portal Indicators and Monitoring](#)
- [U.S. Population in Drought, Weekly Comparison](#)
- [USDA Disaster and Drought Information](#)

USDA 2018 Secretarial [Drought Designations](#)

2018 Secretarial Drought Designations - All Drought



Wildfires: [USDA Forest Service Active Fire Mapping](#)



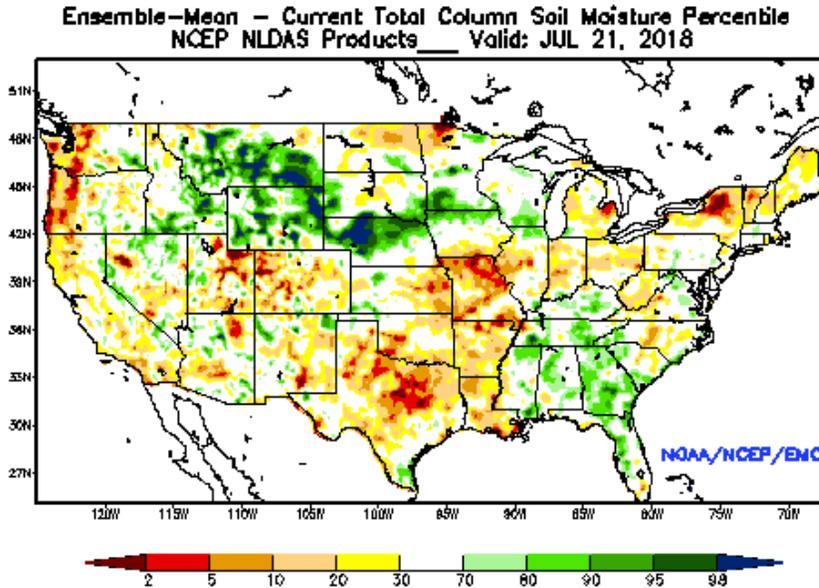
Highlighted Wildfire Resources

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

Other Climatic and Water Supply Indicators

Soil Moisture

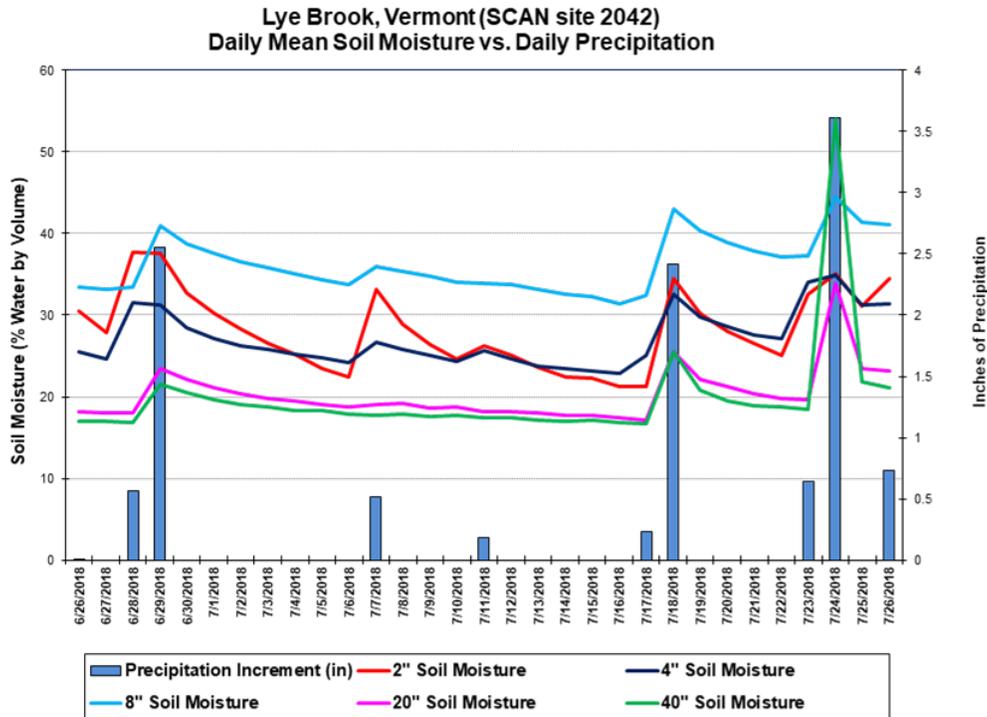
Source: NOAA National Centers for Environmental Prediction



[Modeled soil moisture percentiles](#) as of July 21, 2018.

Soil Moisture Data

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



This chart shows the precipitation events over the last 30 days at the [Lye Brook, Vermont SCAN site 2042](#) in Vermont. The soil moisture sensors responded at all levels to the major precipitation events throughout the month, with the accumulated precipitation for the month at 11.45 inches.

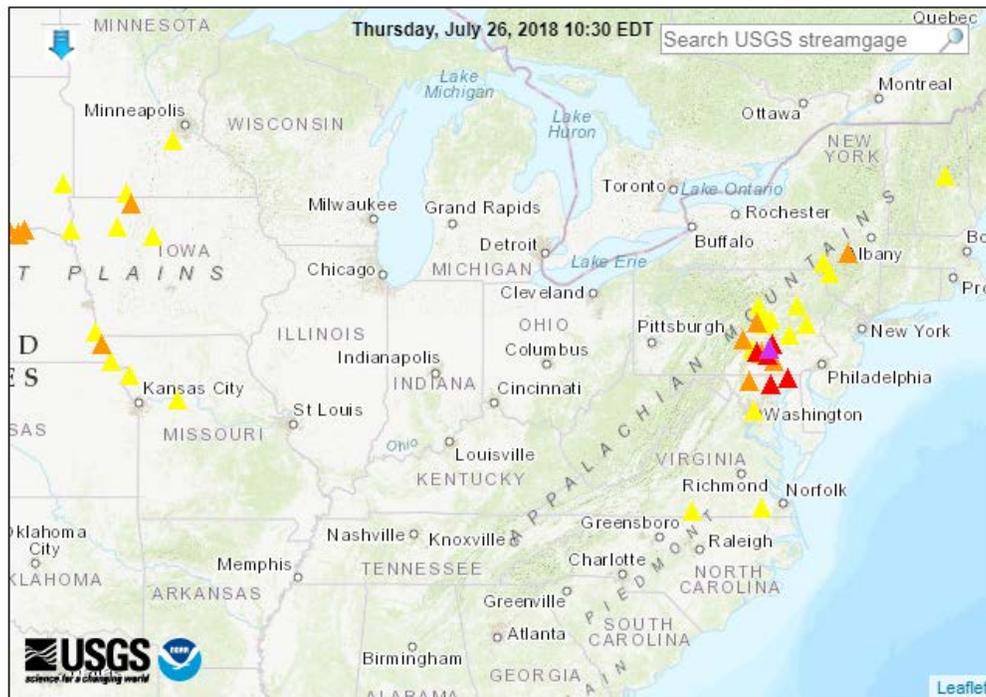
Soil Moisture Data Portals

- [CRN Soil Moisture](#)
- [Texas A&M University North American Soil Moisture Database](#)
- [University of Washington Experimental Modeled Soil Moisture](#)

Streamflow

Source: USGS

Map of flood and high flow conditions



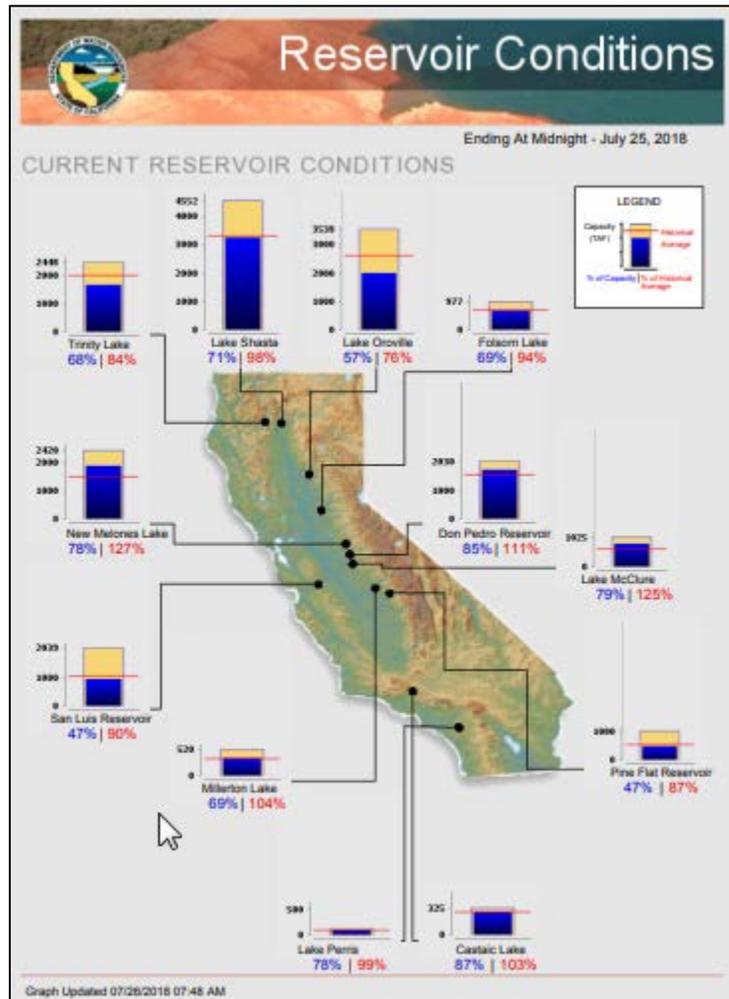
Explanation - Percentile classes						
<95	95-98	>= 99	Above action stage	Above flood stage	Above moderate flood stage	Above major flood stage
▲ Streamgage with flood stage ○ Streamgage without flood stage						

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

Reservoir Storage

Current California Reservoir Conditions

Source: California Department of Water Resources



[Current California Reservoir Conditions](#)

U.S. Bureau of Reclamation Hydromet Tea Cup Reservoir Depictions

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

Short- and Long-Range Outlooks

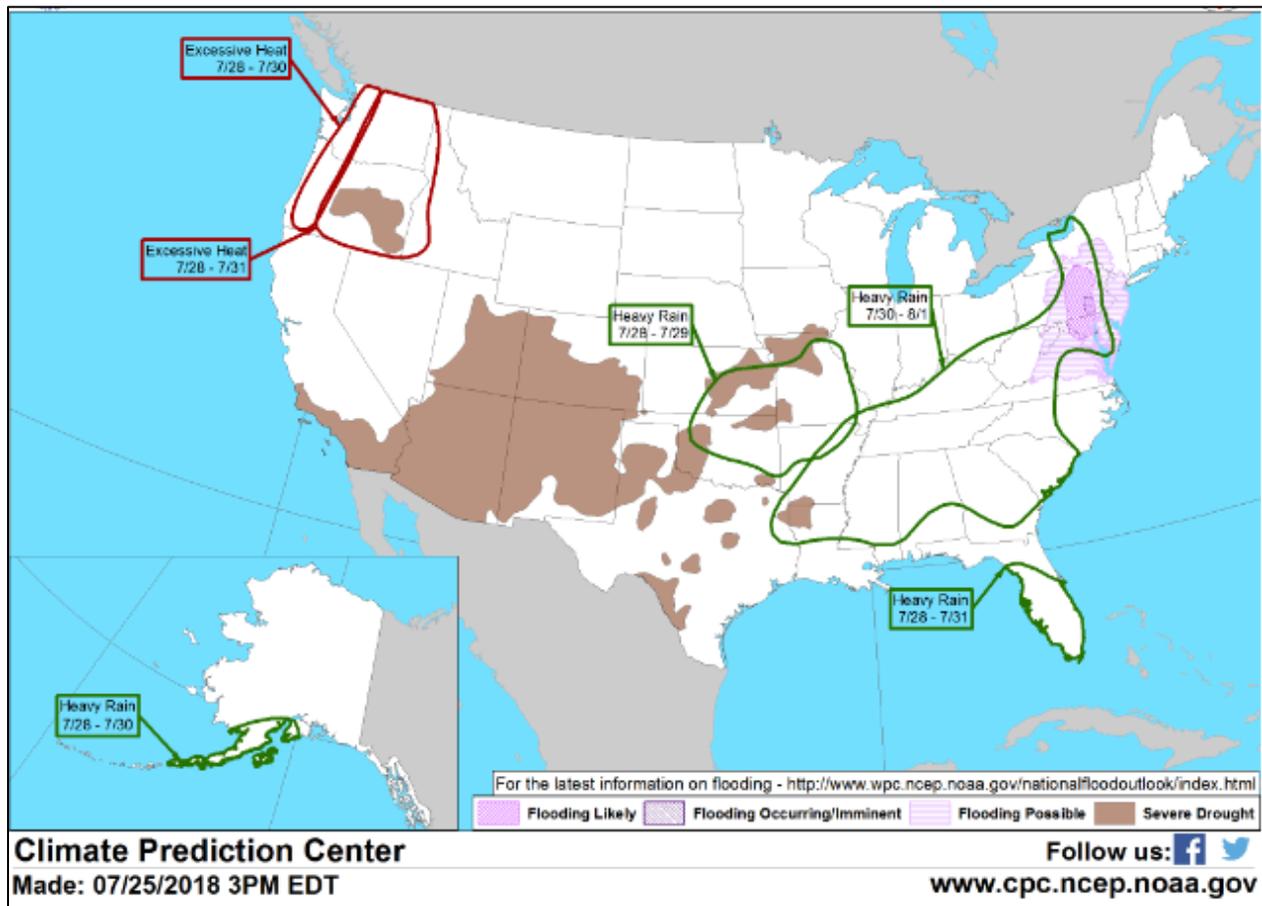
Agricultural Weather Highlights

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

[National Outlook, Thursday, July 26](#): “During the next 5 days, widespread showers (locally totaling 1 to 4 inches or more) can be expected from central and southern sections of the Rockies and Plains to the Atlantic Coast. Periodic showers will also occur in the Desert Southwest, but dry weather will prevail in California and the Great Basin, as well as portions of the north-central U.S. In addition, very hot weather will remain entrenched across the Far West, while near- or below-normal temperatures will cover the central and eastern U.S. The NWS 6- to 10-day outlook for July 31 – August 4 calls for the likelihood of near- to below-normal temperatures across the Plains, Midwest, Southeast, and Northwest, while warmer-than-normal weather will prevail in the Northeast and an area stretching from California to the lower Rio Grande Valley. Meanwhile, near- to above-normal rainfall across most of the country should contrast with drier-than-normal conditions from the northern Intermountain West to the middle Mississippi Valley.”

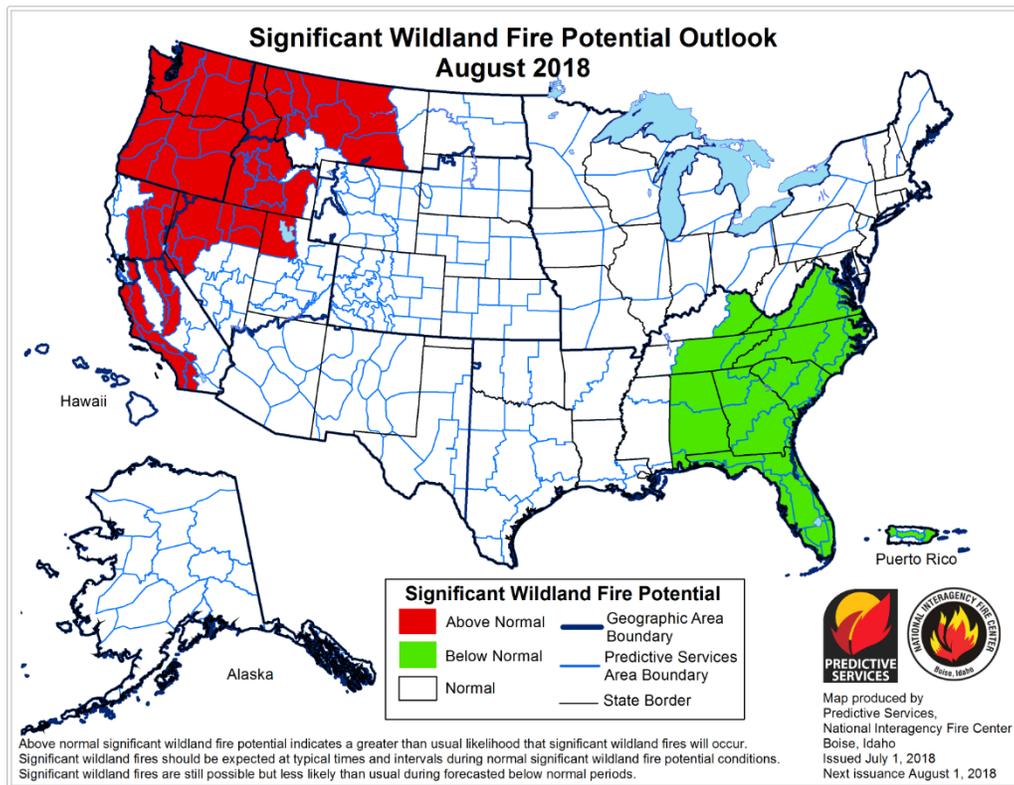
Weather Hazard Outlook [July 28 – August 1, 2018](#)

Source: Climate Prediction Center



Significant Wildland [Fire Potential Outlook](#)

Source: National Interagency Fire Center

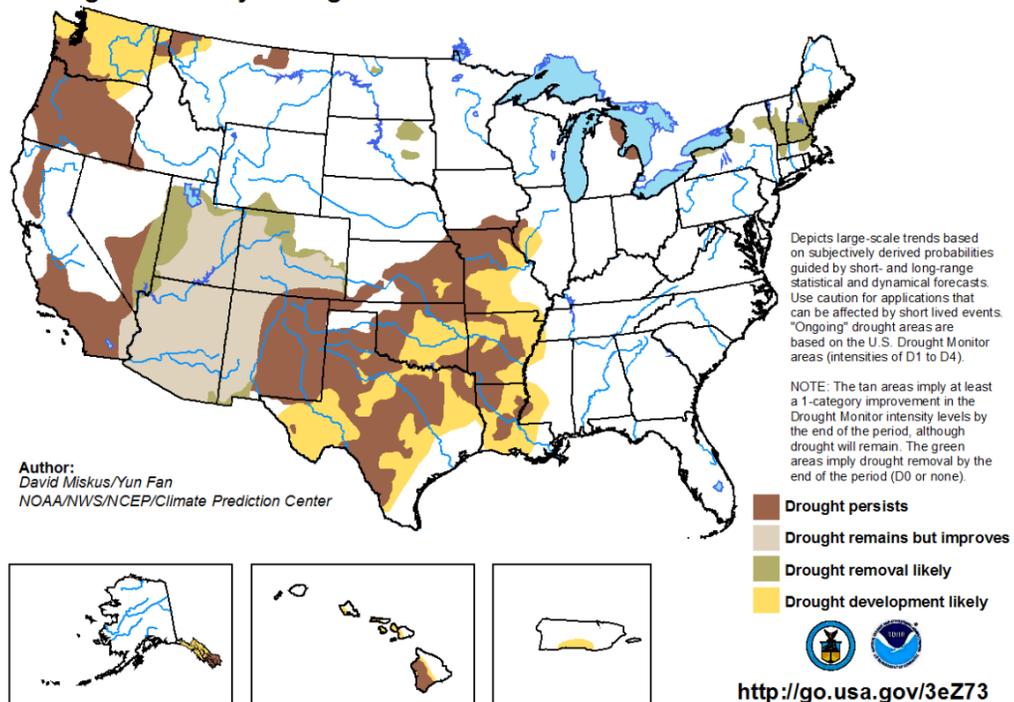


Seasonal Drought Outlook: [July 19 – October 31, 2018](#)

Source: National Weather Service

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

Valid for July 19 - October 31, 2018
Released July 19, 2018

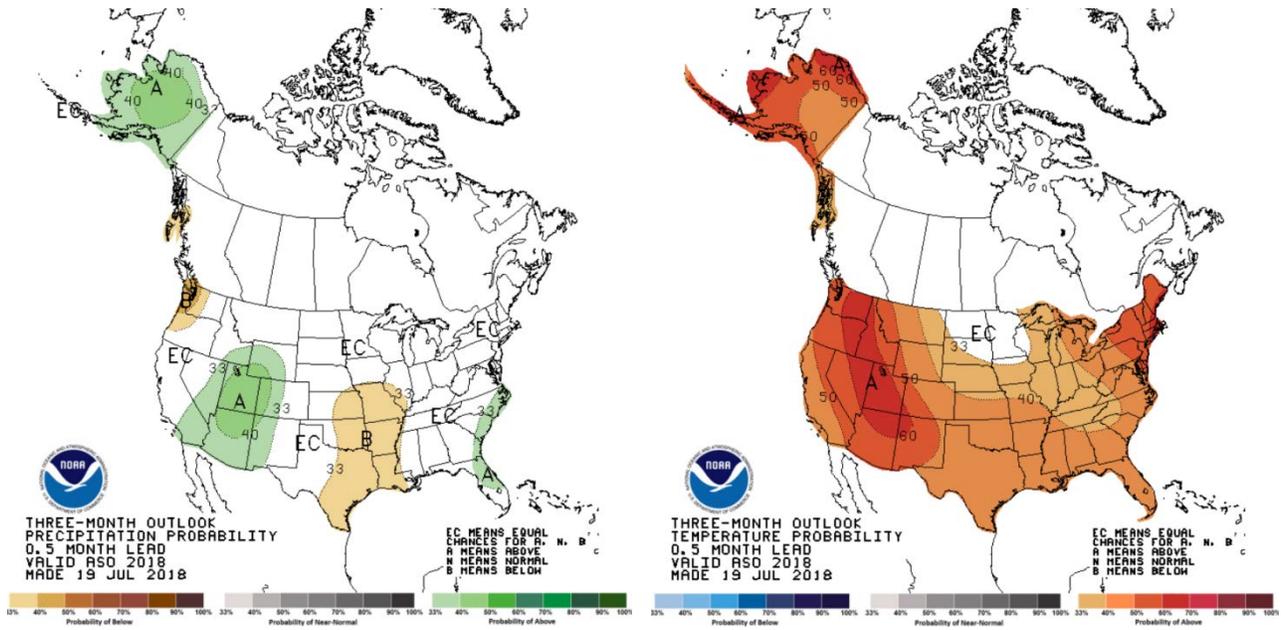


Climate Prediction Center 3-Month Outlook

Source: National Weather Service

[Precipitation](#)

[Temperature](#)



[August-September-October \(ASO\) 2018 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](#).