



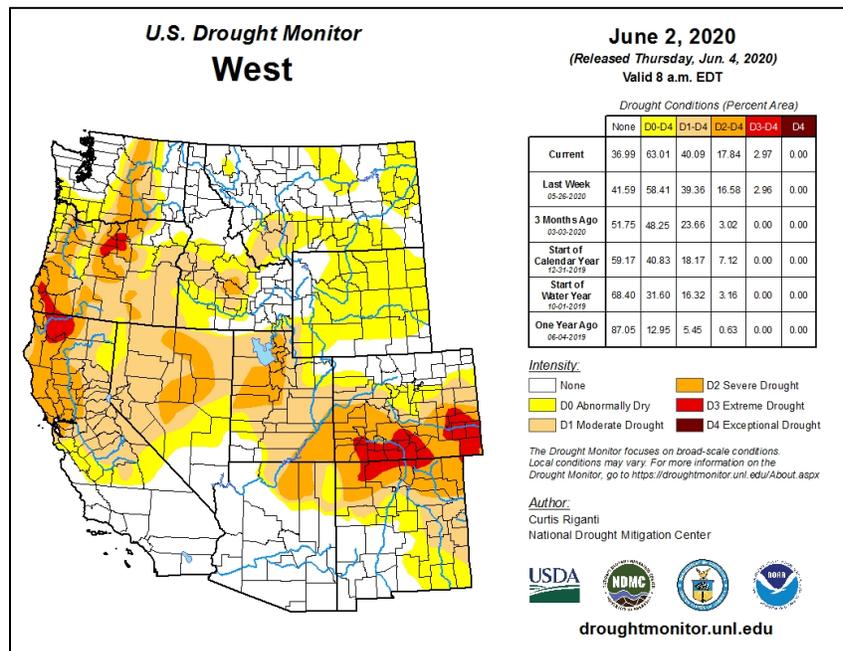
Water and Climate Update

June 4, 2020

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.

Snow	2	Drought	10
Precipitation	4	Other Climatic and Water Supply Indicators	13
Temperature.....	8	More Information	19

Drought in the West increases

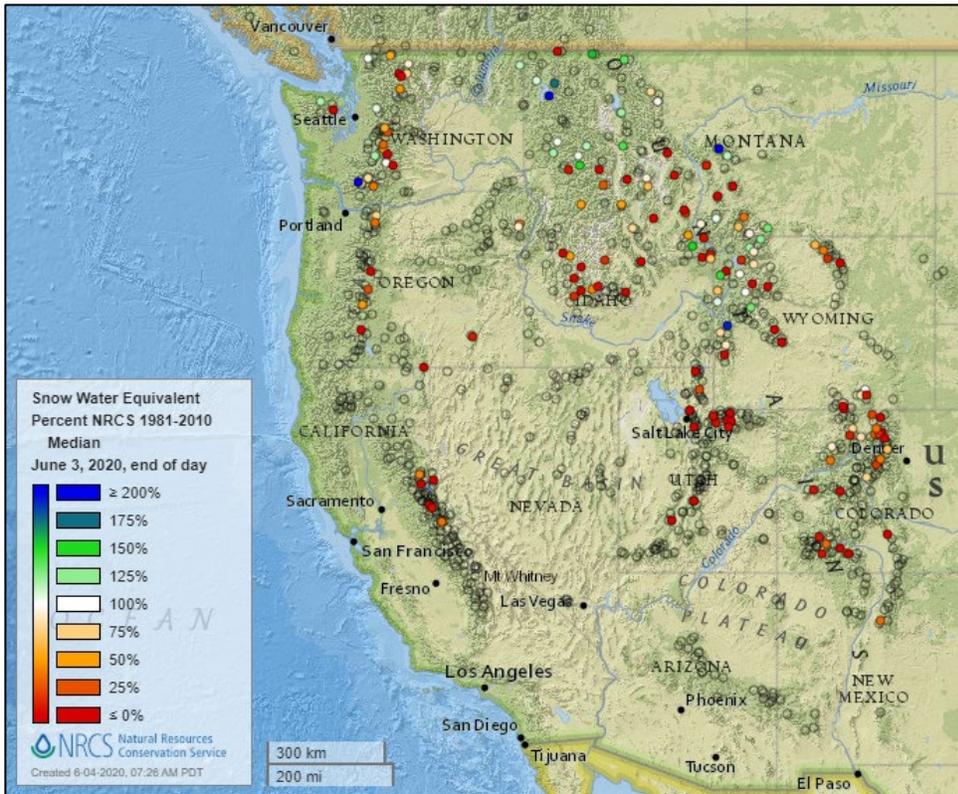


Warm and dry conditions were widespread in much of the West and Northern Plains this week. Widespread drought increased this week according to the [Drought Monitor](#) western region summary, “Warmer than normal temperatures were widespread in the West this week, particularly in the Intermountain West area, where temperatures 9 or more degrees above normal were commonplace. Below-normal precipitation in southwest Colorado and in parts of Utah, Wyoming, and Montana led to degradations in conditions. Severe drought increased in coverage in southeast Utah and southwest Colorado, where short- and long-term precipitation deficits continued to build amid high evaporative demand. Short-term precipitation deficits led to an increase in moderate drought coverage in southwest Montana.”

Related:

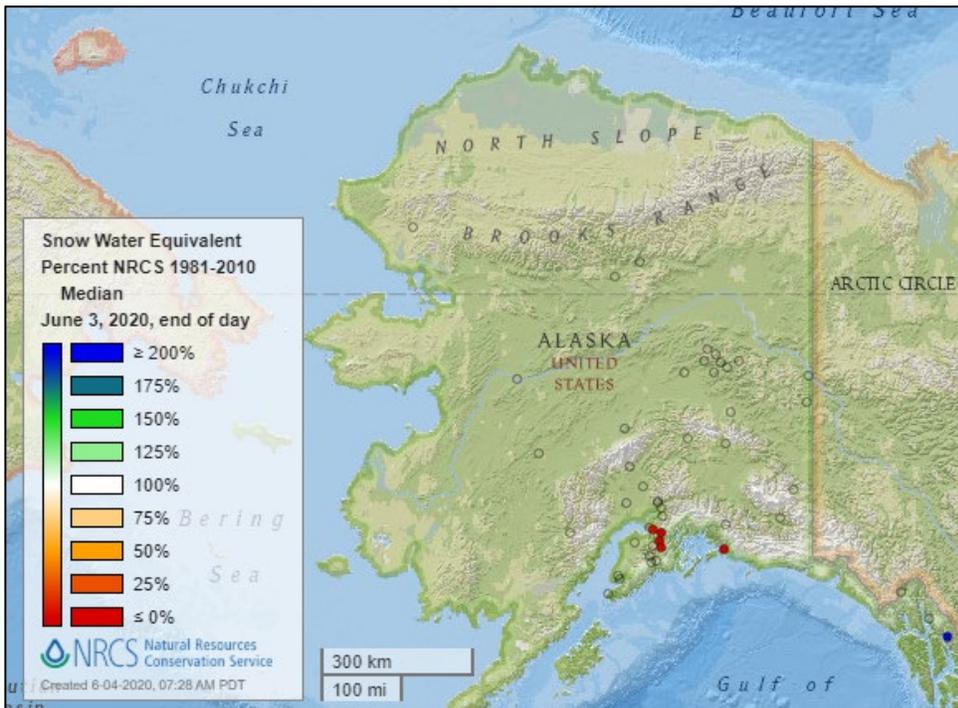
- [Rainy season among driest on the books](#) – Bozeman Doily Chronicle
- [Meteorologists Mixed on Summer Moisture, as Drought Enters Picture](#) – AG Professional
- ['Significant large fire potential' for southern Oregon, northern California through September](#) KDRV (OR)
- [In Klamath Basin, drought forces hard choices — farmers, fish feel pain](#) – San Francisco Chronicle (CA)
- [Wildfire season begins in Central Oregon](#) – Capitol Press (OR)
- [Nevada public land agencies announce statewide fire restrictions](#) Carson Now (NV)
- [CB faces drought despite average snowpack](#) – Crested Butte News
- [Wildfire potential expected to be above normal in many western locations this summer](#) - Wildfire Today
- [Ominous trend in American West could signal a looming "megadrought"](#) – CBS News

Snow



[Snow water equivalent percent of median map](#)

See also:
[Snow water equivalent values \(inches\) map](#)

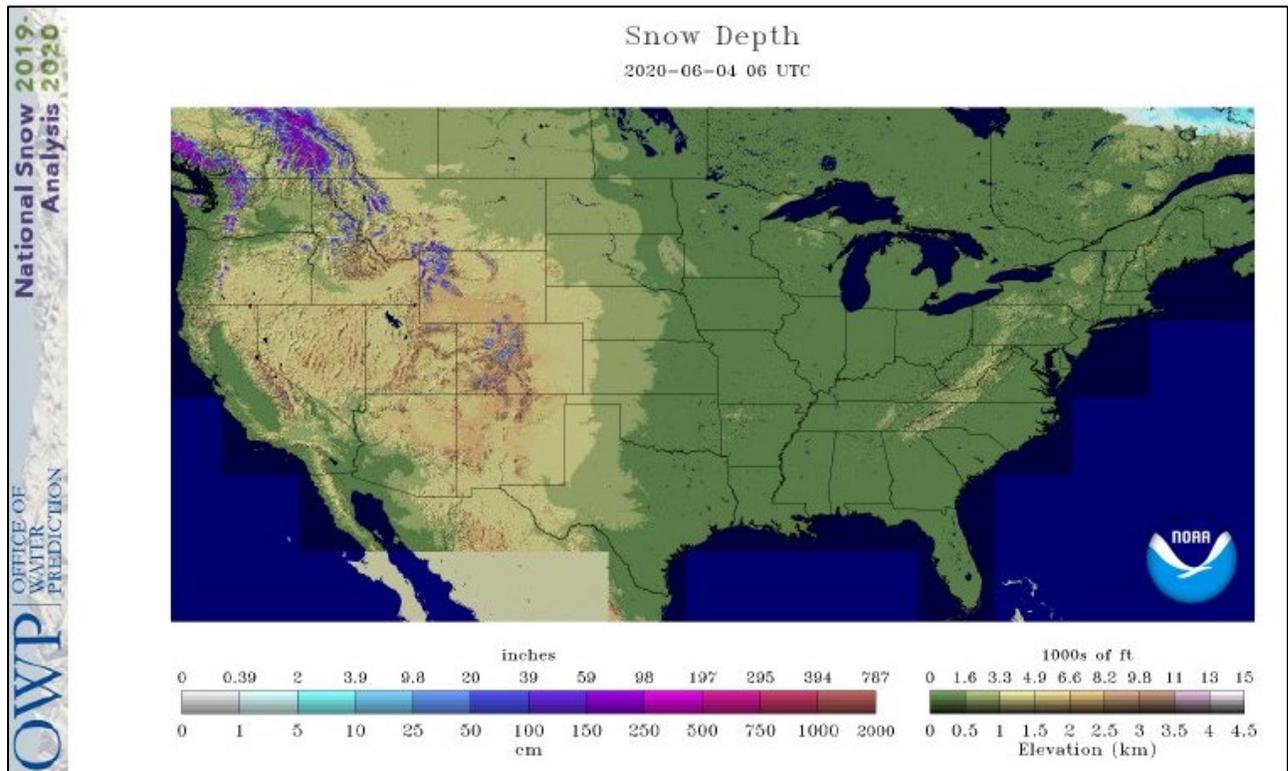


[Alaska snow water equivalent percent of median map](#)

See also:
[Alaska snow water equivalent values \(inches\) map](#)

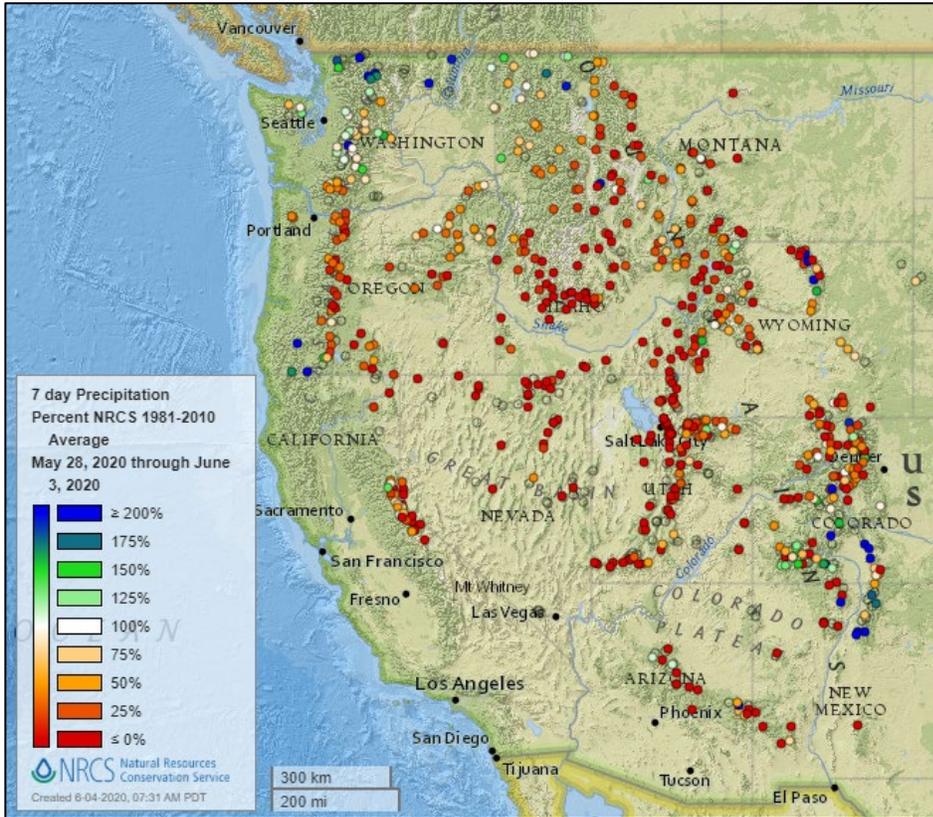
Current Snow Depth, National Weather Service Snow Analysis

Source: NOAA Office of Water Prediction



Precipitation

Last 7 Days, NRCS SNOTEL Network

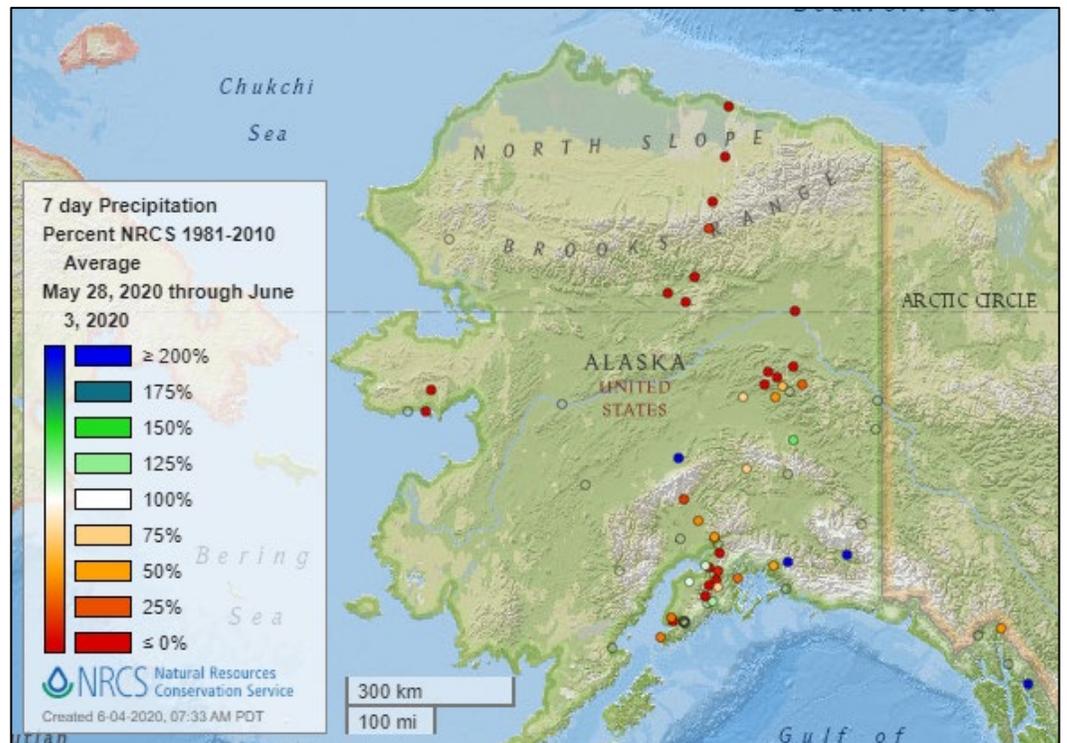


[7-day precipitation percent of average map](#)

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

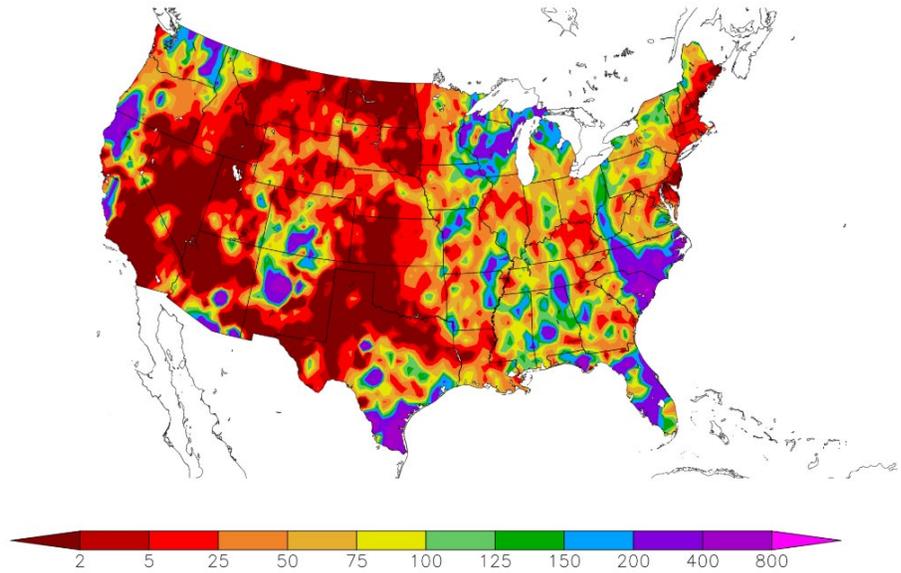
Last 7 Days, National Weather Service (NWS) Networks

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 (%)
5/27/2020 – 6/2/2020



Generated 6/3/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers

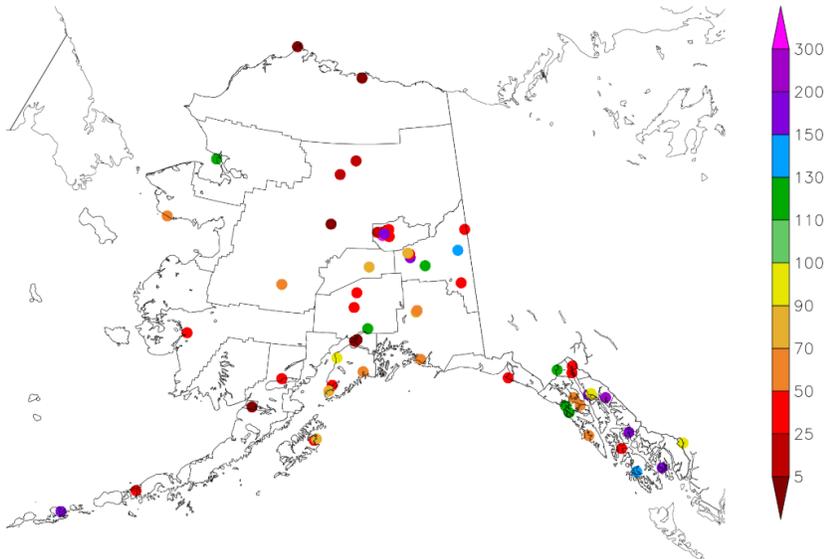
Last 7 Days, National Weather Service (NWS) Networks

Source: Regional Climate Centers

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

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

Percent of Normal Precipitation (%)
5/27/2020 – 6/2/2020



Generated 6/3/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers

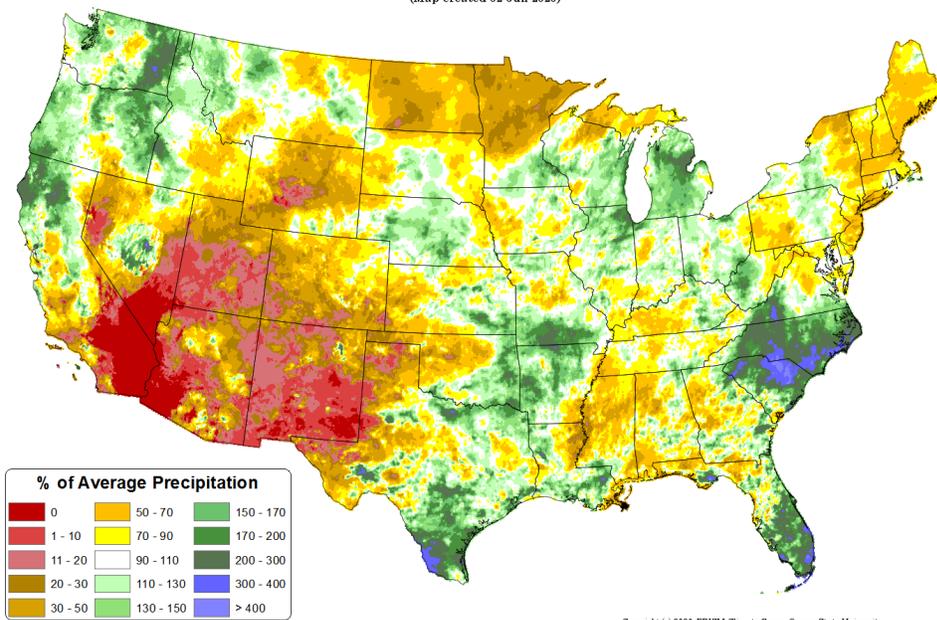
Previous Month, All Available Data Including SNOTEL and NWS Networks

Source: PRISM

Total Precipitation Anomaly: May 2020

Period ending 31 May 2020
Base period: 1981-2010
(Map created 02 Jun 2020)

[Previous month national total precipitation percent of average map](#)



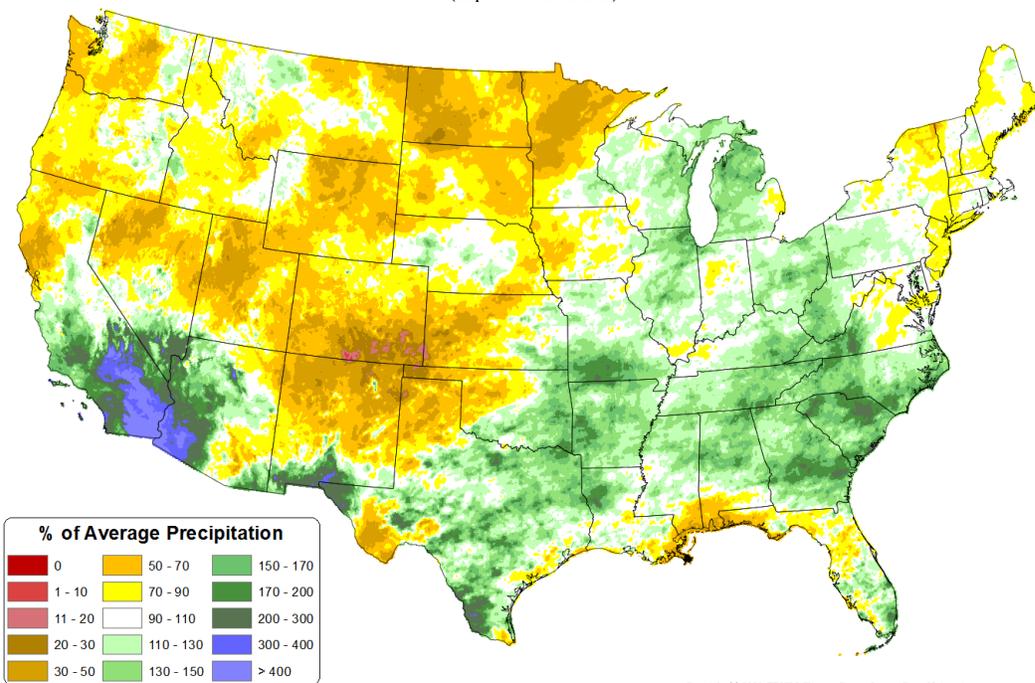
Last 3 Months, All Available Data Including SNOTEL and NWS Networks

Source: PRISM

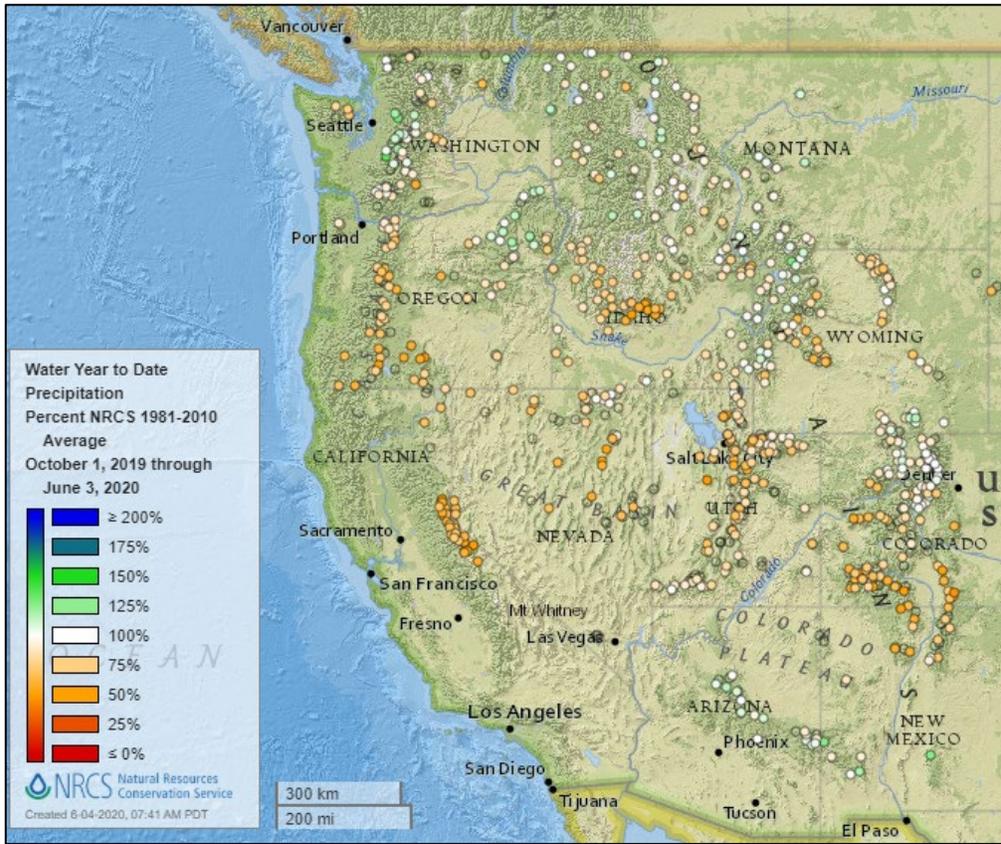
[March through May precipitation percent of average map](#)

Total Precipitation Anomaly: Mar 2020 - May 2020

Period ending 7 AM EST 31 May 2020
Base period: 1981-2010
(Map created 02 Jun 2020)



Water Year-to-Date, NRCS SNOTEL Network



[2020 water year-to-date precipitation percent of average map](#)

See also:
[2020 water year-to-date precipitation values \(inches\) map](#)



[Alaska 2020 water year-to-date precipitation percent of average map](#)

See also: [Alaska 2020 water year-to-date precipitation values \(inches\) map](#)

Temperature

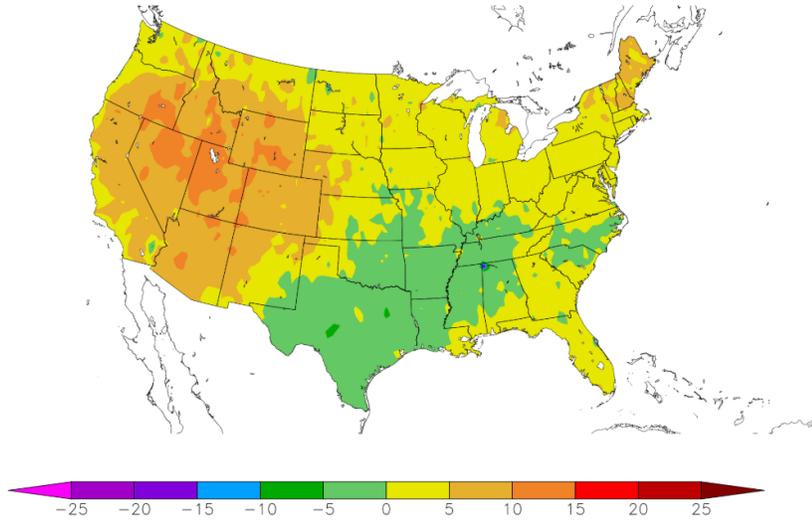
Last 7 Days, National Weather Service (NWS) Networks

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)
5/27/2020 – 6/2/2020



Generated 6/3/2020 at HPRCC using provisional data.

NOAA Regional Climate Centers

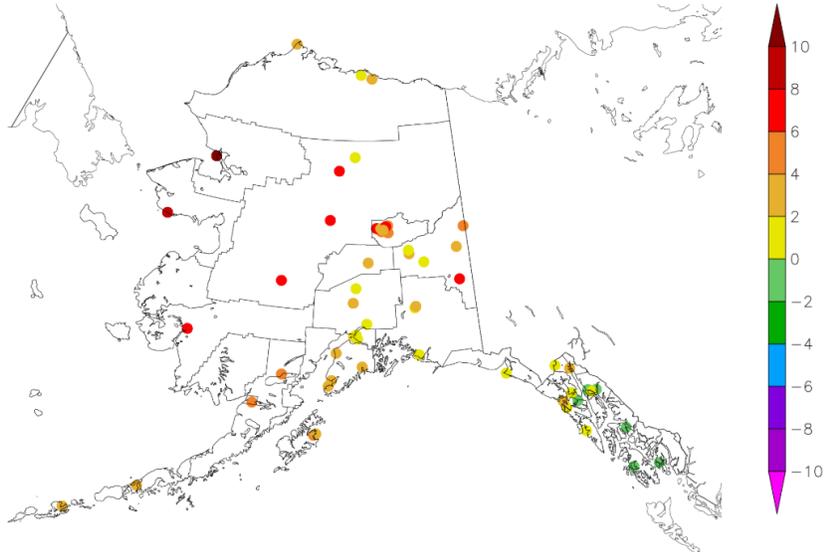
Last 7 Days, National Weather Service (NWS) Networks

Source: Regional Climate Centers

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

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

Departure from Normal Temperature (F)
5/27/2020 – 6/2/2020



Generated 6/3/2020 at HPRCC using provisional data.

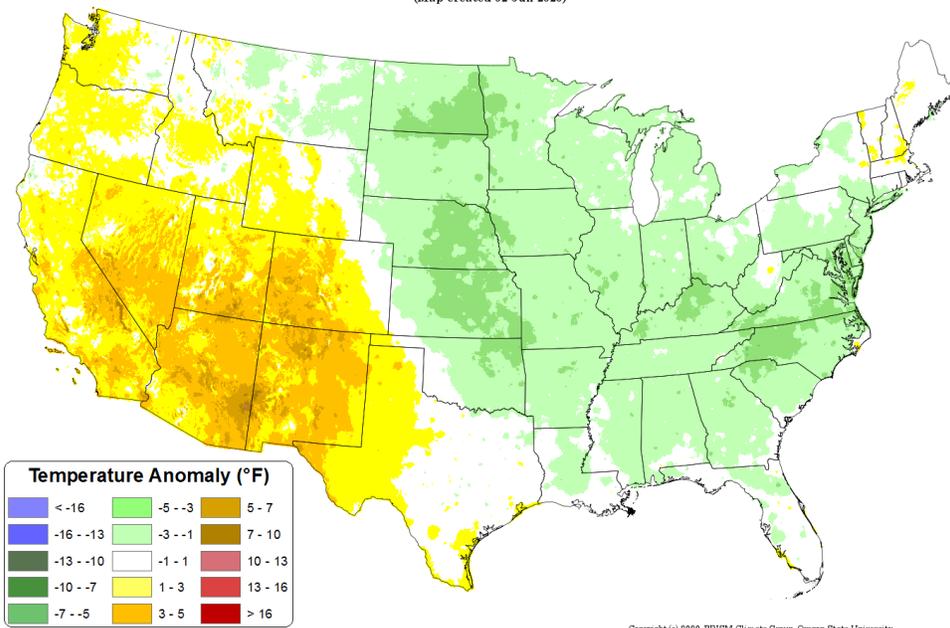
NOAA Regional Climate Centers

Previous Month, All Available Data Including SNOTEL and NWS Networks

Source: PRISM

[Previous month national daily mean temperature anomaly map](#)

Daily Mean Temperature Anomaly: May 2020
Period ending 7 AM EST 31 May 2020
Base period: 1961-2010
(Map created 02 Jun 2020)

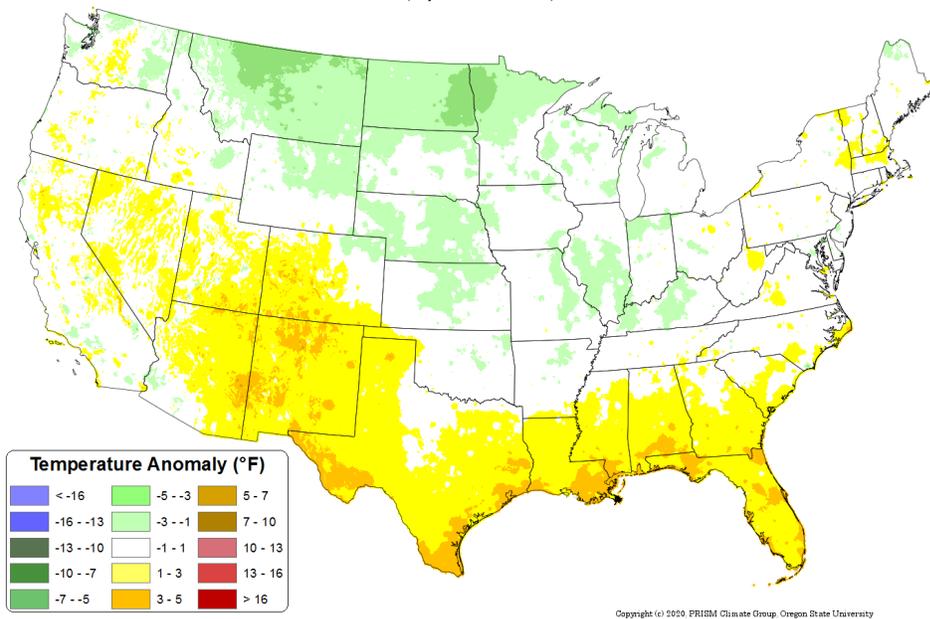


Last 3 Months, All Available Data Including SNOTEL and NWS Networks

Source: PRISM

[March through May 2020 daily mean temperature anomaly map](#)

Daily Mean Temperature Anomaly: Mar 2020 - May 2020
Period ending 7 AM EST 31 May 2020
Base period: 1961-2010
(Map created 02 Jun 2020)



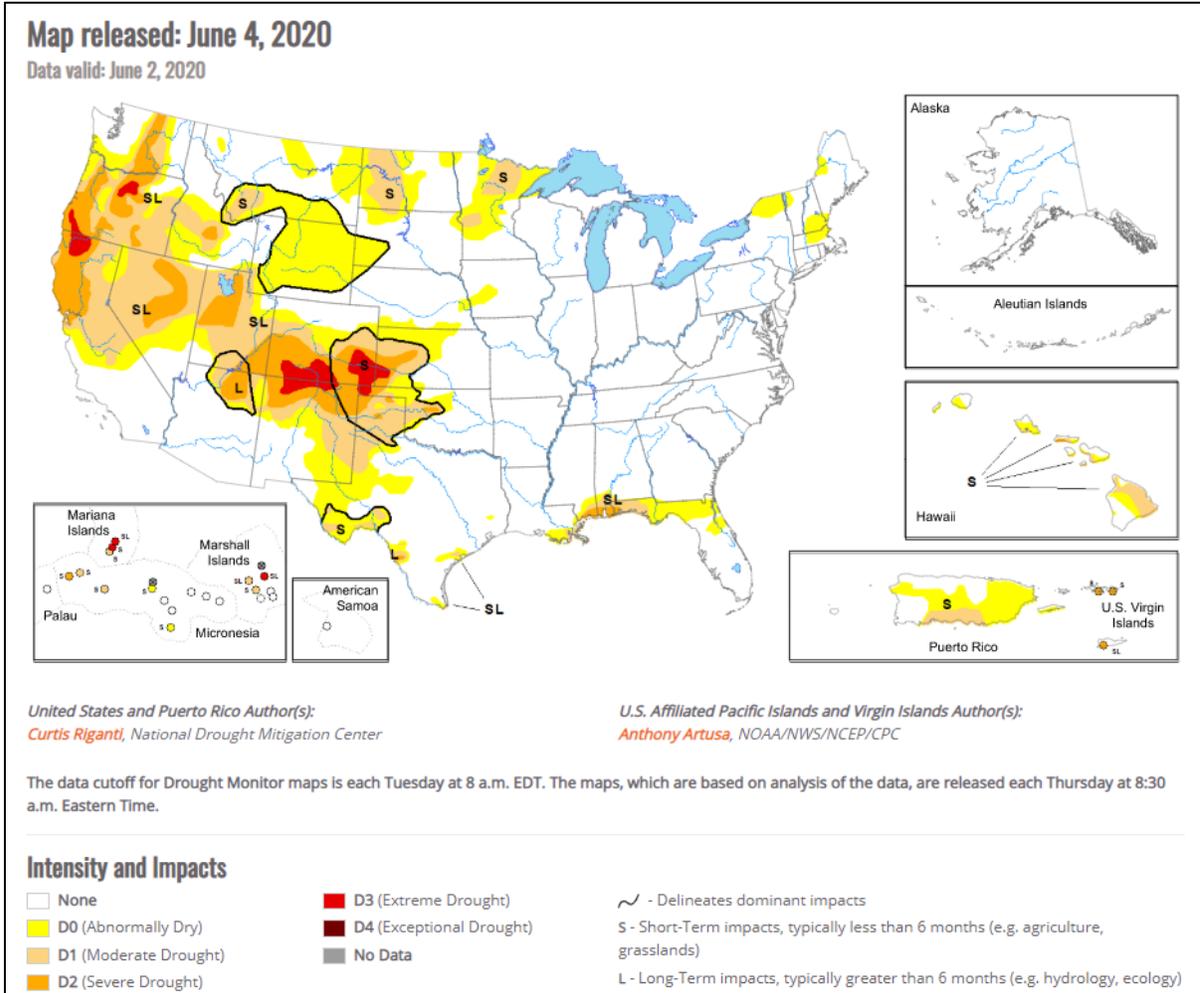
Drought

[U.S. Drought Monitor](#)

Source: National Drought Mitigation Center

[U.S. Drought Portal](#)

Source: NOAA



Current [National Drought Summary](#), June 4, 2020

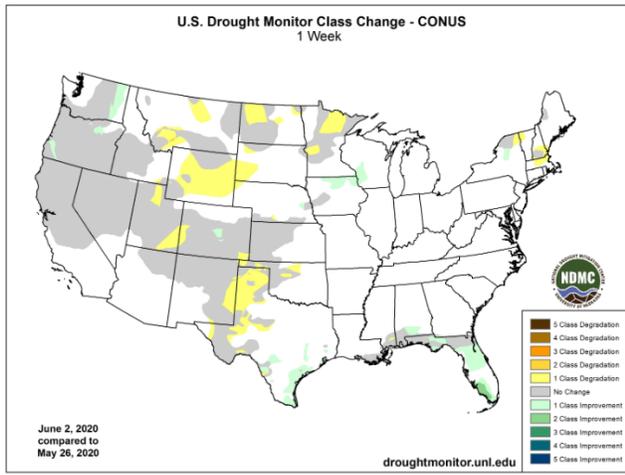
Source: National Drought Mitigation Center

“This week, dry conditions were common across parts of the central and southern Great Plains, as well as parts of the northern Great Plains, particularly in North Dakota. Dry conditions were also common in much of the Intermountain West. However, above-normal rainfall occurred in eastern Washington, as part of an unusual severe thunderstorm event in Washington and Oregon on Saturday. Near or slightly below normal temperatures were found across much of the central and south-central continental United States, while warmer than normal temperatures (with some locations reaching between 5 and 15 degrees above normal) were common in the western High Plains and the West. Meanwhile, dry conditions also occurred along the northeastern Atlantic Coast. Above-normal rainfall fell in south Texas, central and south Florida, and parts of South Carolina and North Carolina. Moderate, severe, and extreme drought expanded in parts of the southern and central plains where high evaporative demand and paltry precipitation continued. Elsewhere, drought conditions also spread or lessened in parts of the West, where recent precipitation or lack thereof either improved conditions or caused conditions to dry out further. Minor changes in moderate drought were also made east of the Great Plains.”

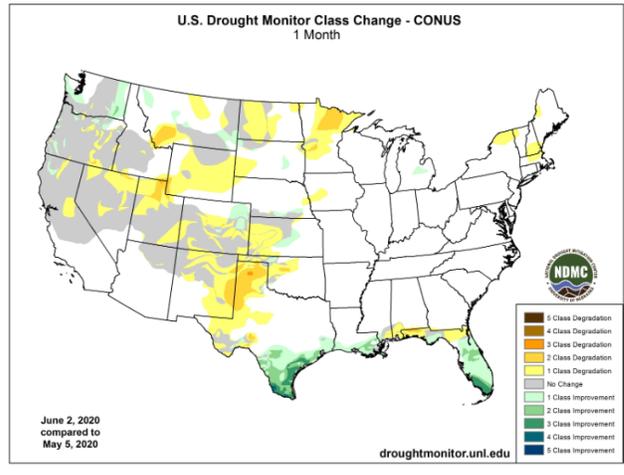
Changes in Drought Monitor Categories over Time

Source: National Drought Mitigation Center

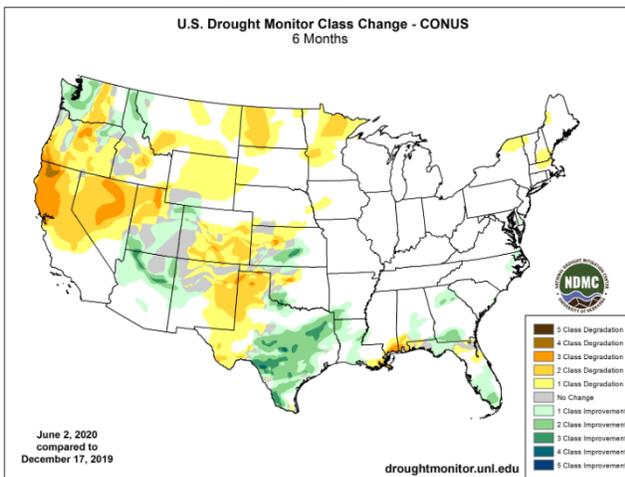
1 Week



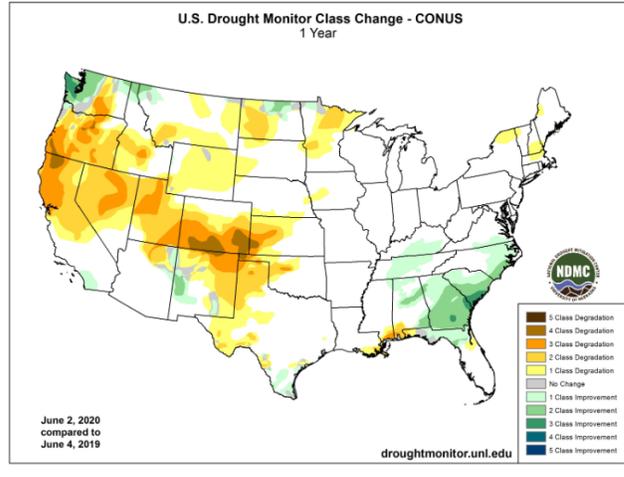
1 Month



6 Months



1 Year



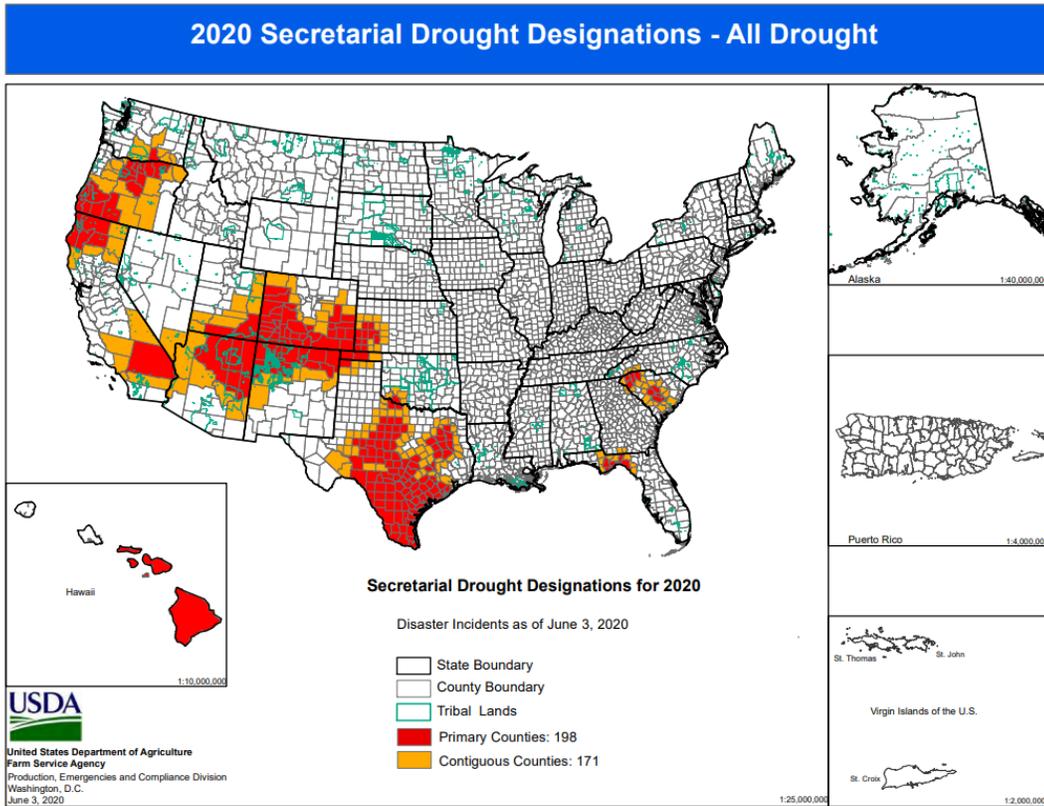
[Changes in drought conditions over the last 12 months for the contiguous U.S.](#)

Highlighted Drought Resources

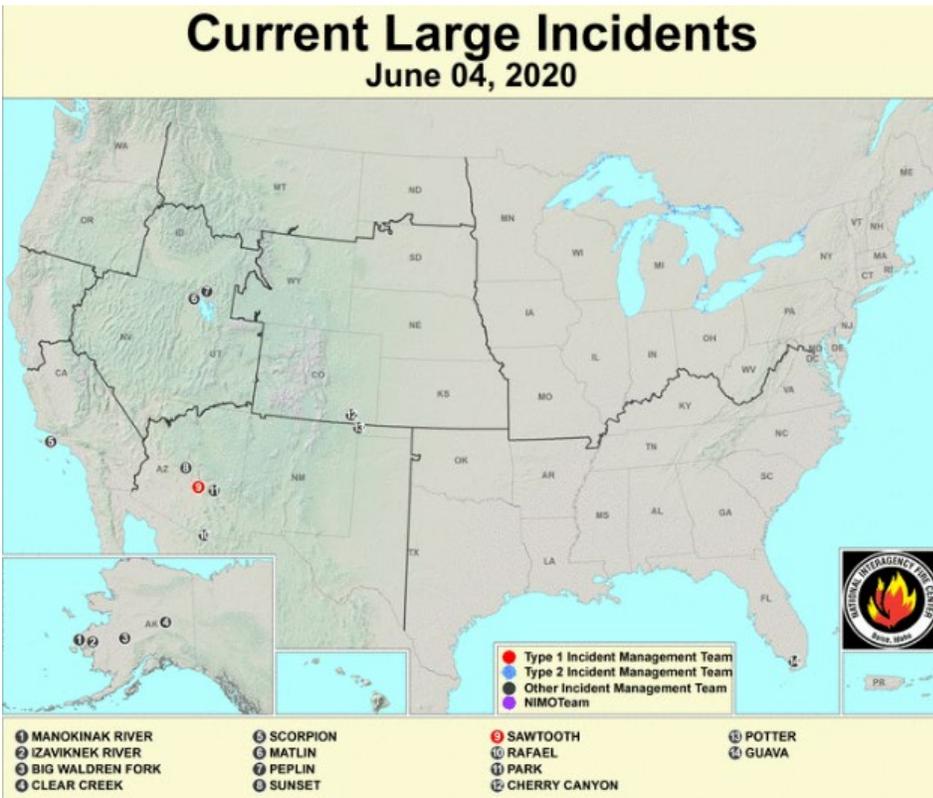
- [Drought Impact Reporter](#)
- [Quarterly Regional Climate Impacts and Outlook](#)
- [U.S. Drought Portal Indicators and Monitoring](#)
- [U.S. Population in Drought, Weekly Comparison](#)
- [USDA Disaster and Drought Information](#)

Secretarial Drought Designations

Source: USDA Farm Service Agency



Wildfires: USDA Forest Service Active Fire Mapping



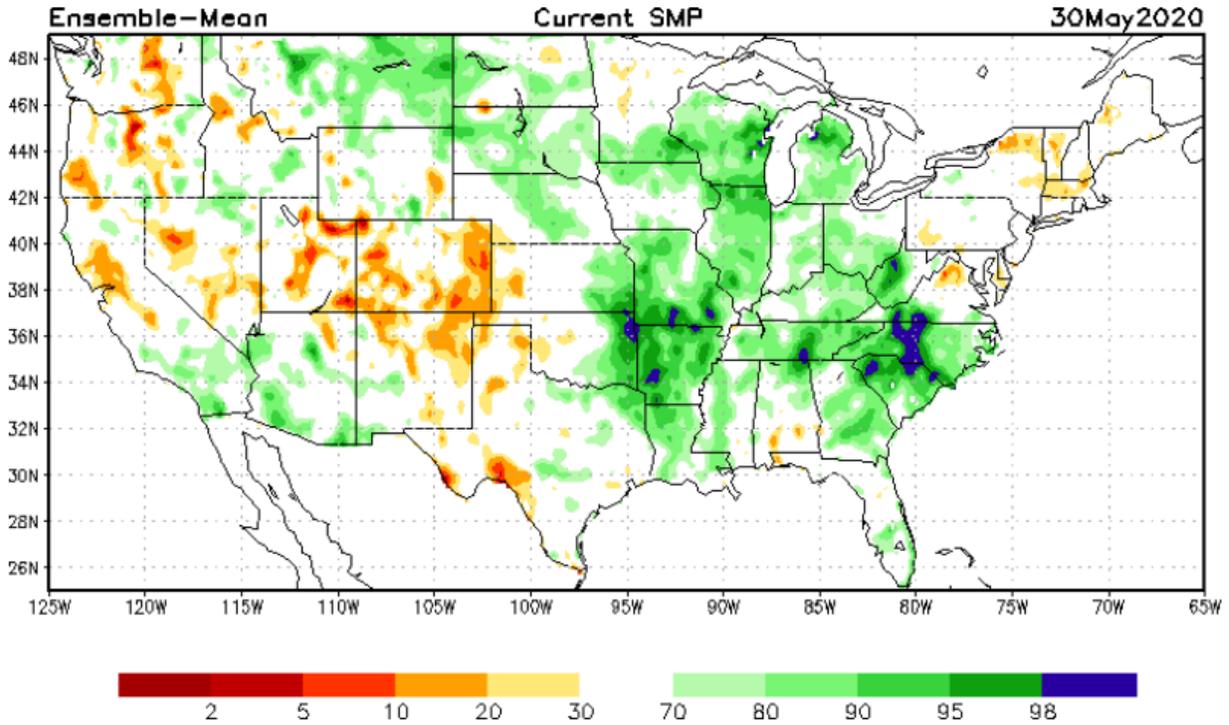
Highlighted Wildfire Resources

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

Other Climatic and Water Supply Indicators

Soil Moisture

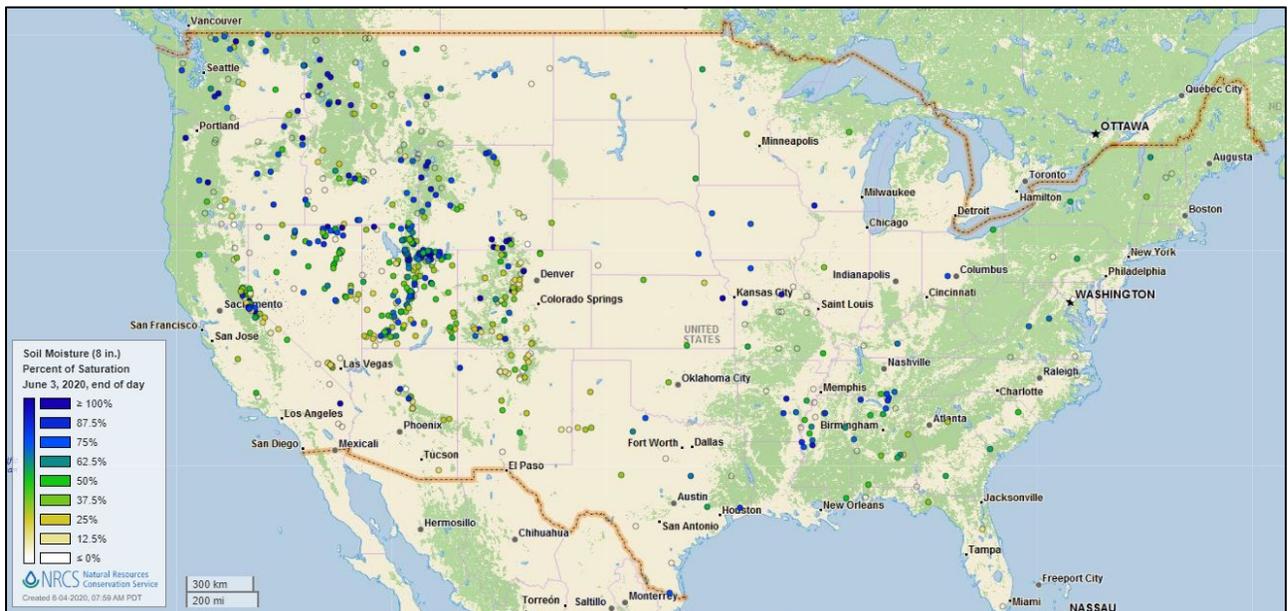
Source: NOAA National Centers for Environmental Prediction



[Modeled soil moisture percentiles](#) as of May 30, 2020

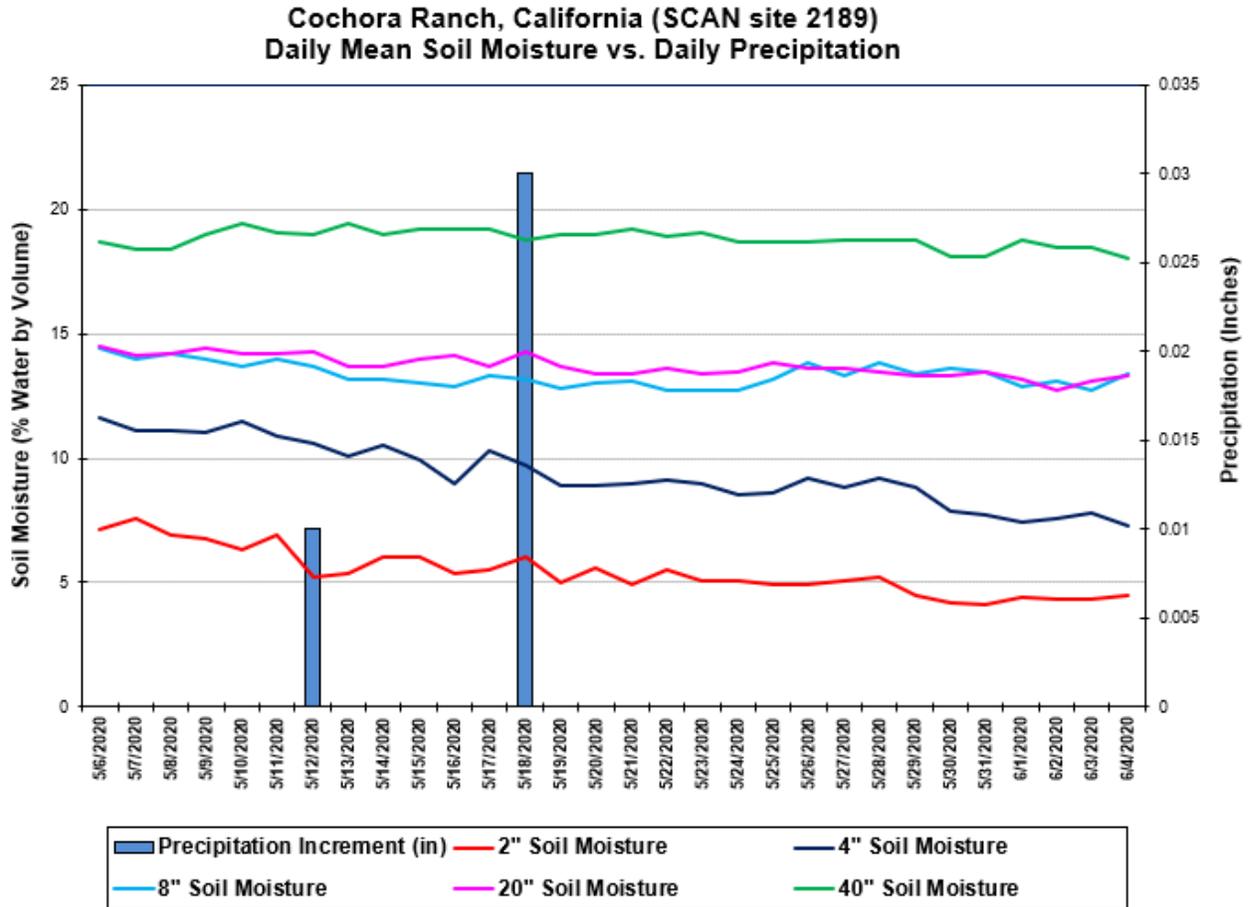
Soil Moisture Percent of Saturation

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



Soil Moisture Data

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



This chart shows the soil moisture and precipitation for the last 30 days at the [Cochora Ranch](#) SCAN site in California. Two small precipitation events did not impact soil moisture, which remained constant or slightly decreased during the period.

Soil Moisture Data Portals

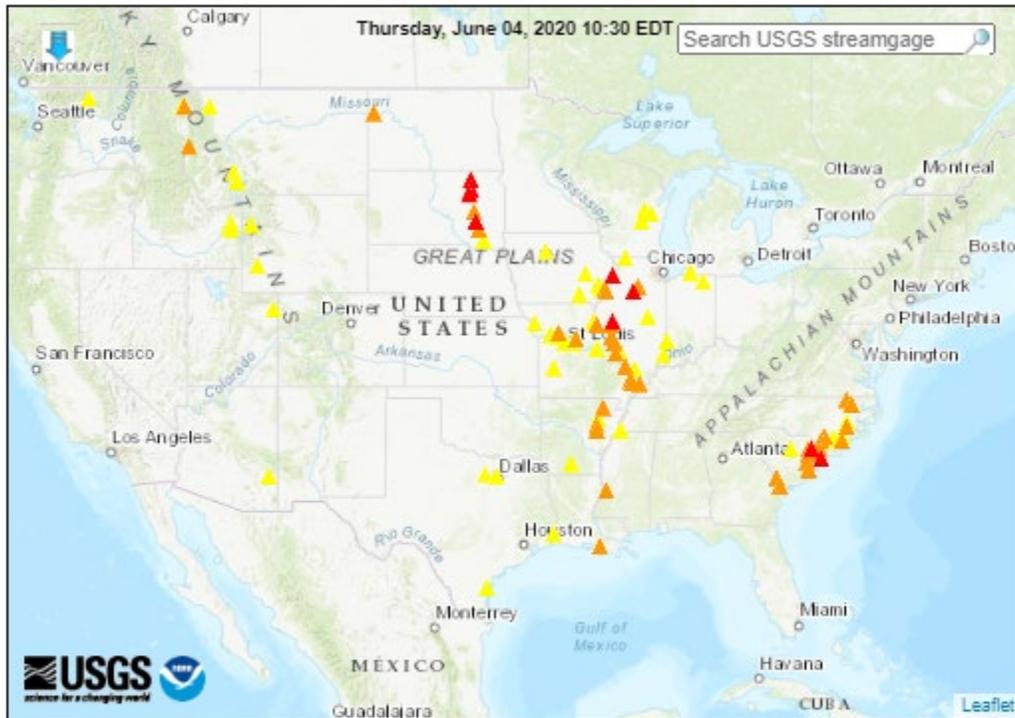
- [CRN Soil Moisture](#)
- [Texas A&M University North American Soil Moisture Database](#)
- [University of Washington Experimental Modeled Soil Moisture](#)

Streamflow, Drought, Flood, and Runoff

Source: U.S. Geological Survey

Map of flood and high flow conditions

(47 in floods [moderate: 9, minor: 38], 47 in near-flood)



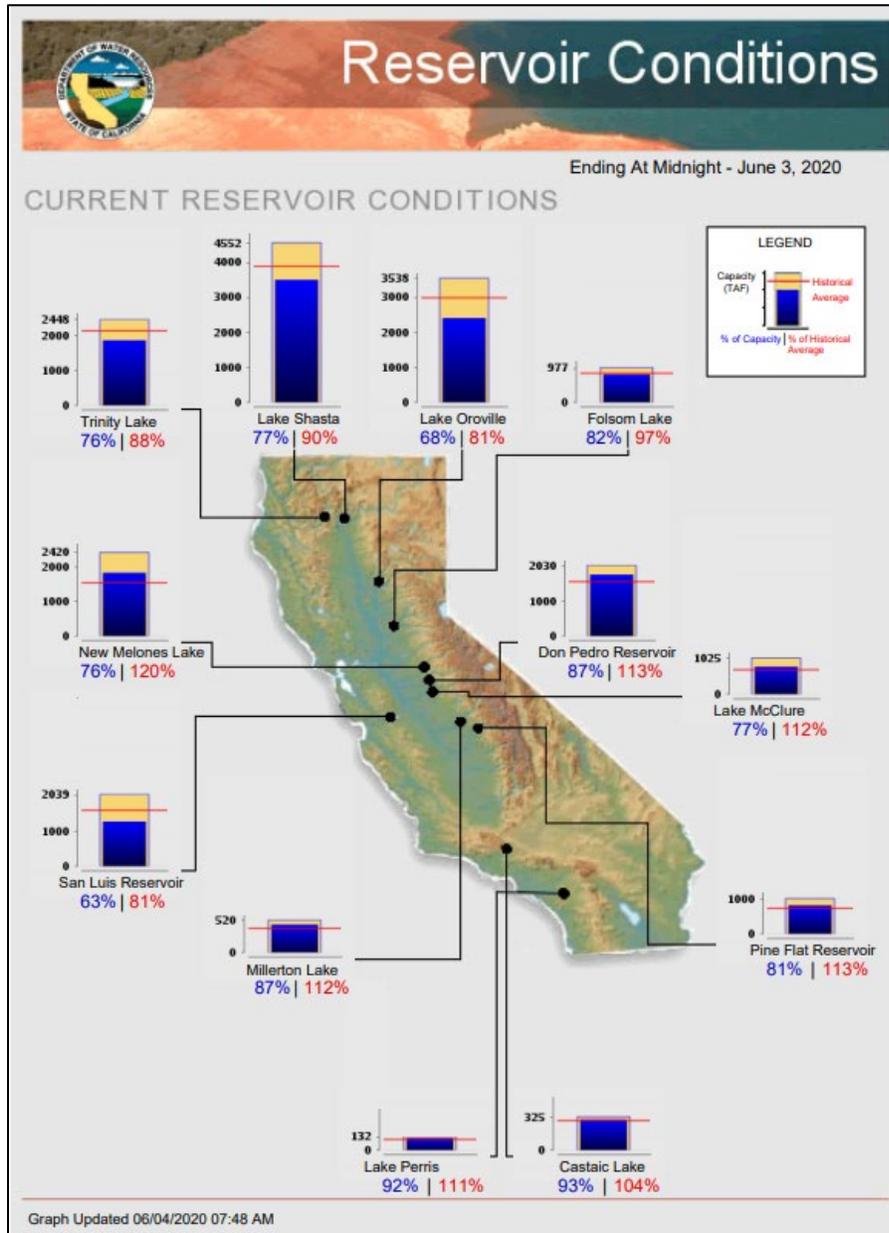
Explanation - Percentile classes						
<95	95-98	>= 99	Above action stage	Above flood stage	Above moderate flood stage	Above major flood stage
			▲ Streamgage with flood stage	○ Streamgage without flood stage		

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

Reservoir Storage

Current California Reservoir Conditions

Source: California Department of Water Resources



[Current California Reservoir Conditions](#)

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](#)

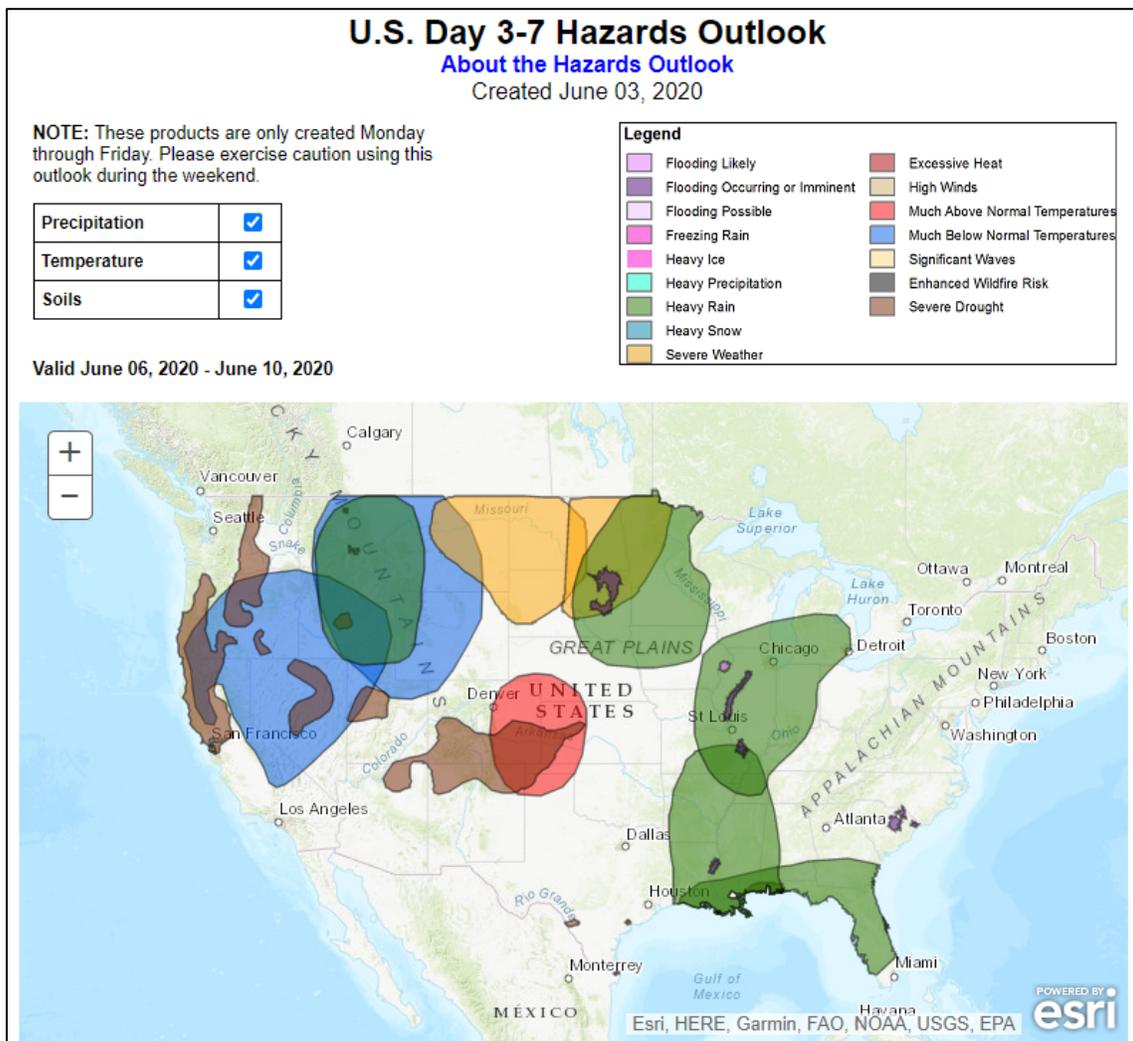
Agricultural Weather Highlights

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

National Outlook, Thursday, June 4, 2020: “Tropical Storm Cristobal, currently centered inland over southeastern Mexico, should begin to drift northward later today, reaching the central Gulf Coast of the U.S.—most likely Louisiana—late in the weekend. Given that Cristobal will likely be only at tropical-storm intensity and accelerating northward upon reaching the U.S., agricultural impacts should be relatively minor. Row crops in the Mississippi Delta include cotton and rice, neither of which are at a stage of development that leaves them particularly vulnerable to gusty winds or briefly heavy showers. In addition, Louisiana’s sugarcane should be able to withstand a tropical storm without major impacts. In fact, rain associated with Cristobal may help to vanquish drought along and near the Gulf Coast, from southeastern Louisiana to western Florida. Farther north, the remnants of Cristobal are expected to merge with a cold front early next week, possibly enhancing rainfall across the upper Midwest and environs. Most other areas of the country will experience periodic showers, with some of the heaviest precipitation falling across northern sections of the Rockies and Plains. Hot weather, currently in place across most of the country, will be replaced by cooler conditions in most areas by early next week. The NWS 6- to 10-day outlook for June 9 – 13 calls for the likelihood of near- or below-normal temperatures nationwide, except for hotter-than-normal weather in California and across the Deep South from Texas to Florida. Meanwhile, near- or above-normal rainfall in the Far West and from the Mississippi Valley eastward should contrast with drier-than-normal conditions across the Rockies and High Plains.”

Weather Hazards Outlook: June 6 – 10, 2020

Source: NOAA Weather Prediction Center

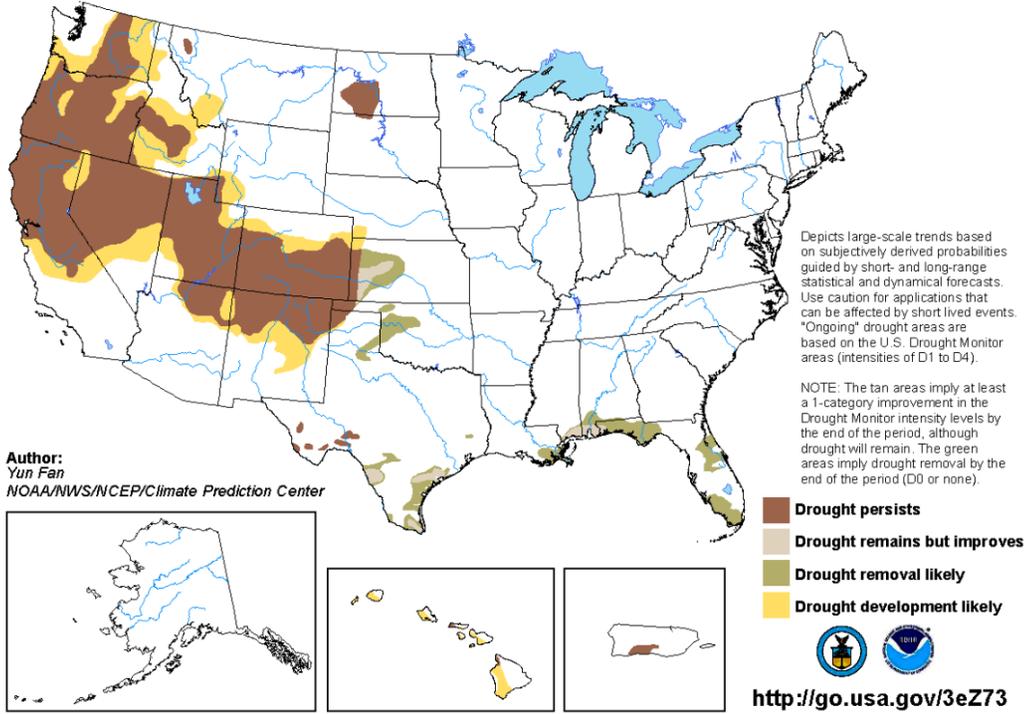


Seasonal Drought Outlook: [May 21 – August 31, 2020](#)

Source: National Weather Service

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

Valid for May 21 - August 31, 2020
Released May 21

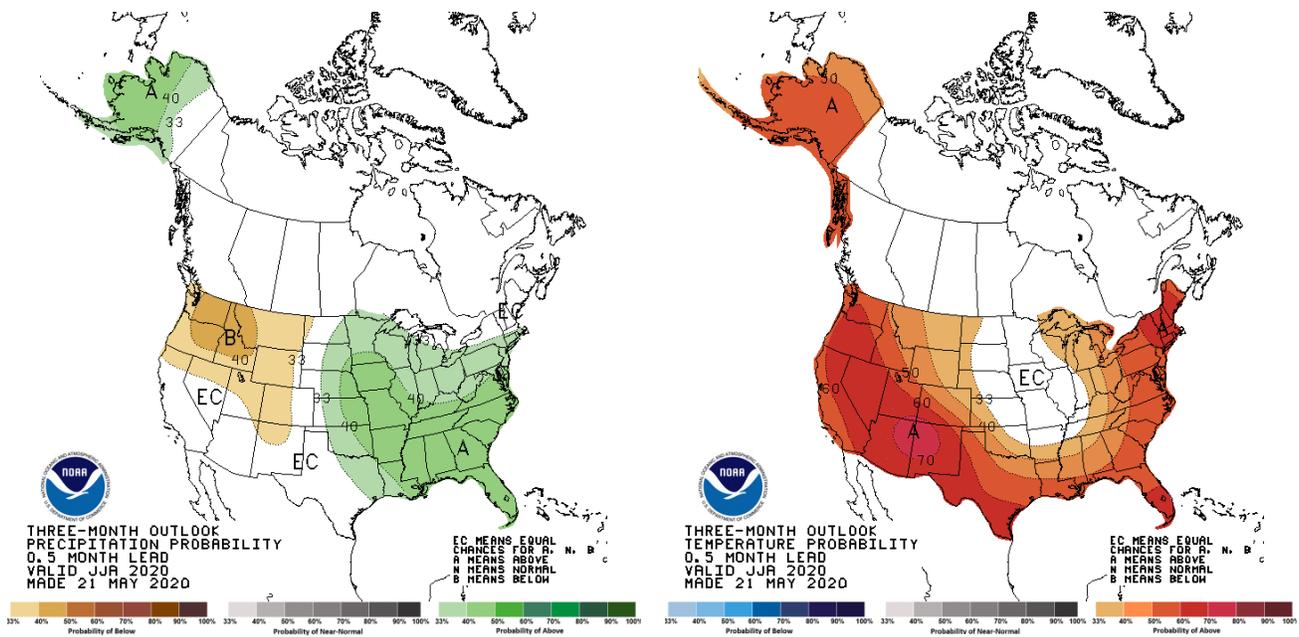


Climate Prediction Center 3-Month Outlook

Source: National Weather Service

Precipitation

Temperature



[June-July-August \(JJA\) 2020 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](#).