

Water and Climate Update

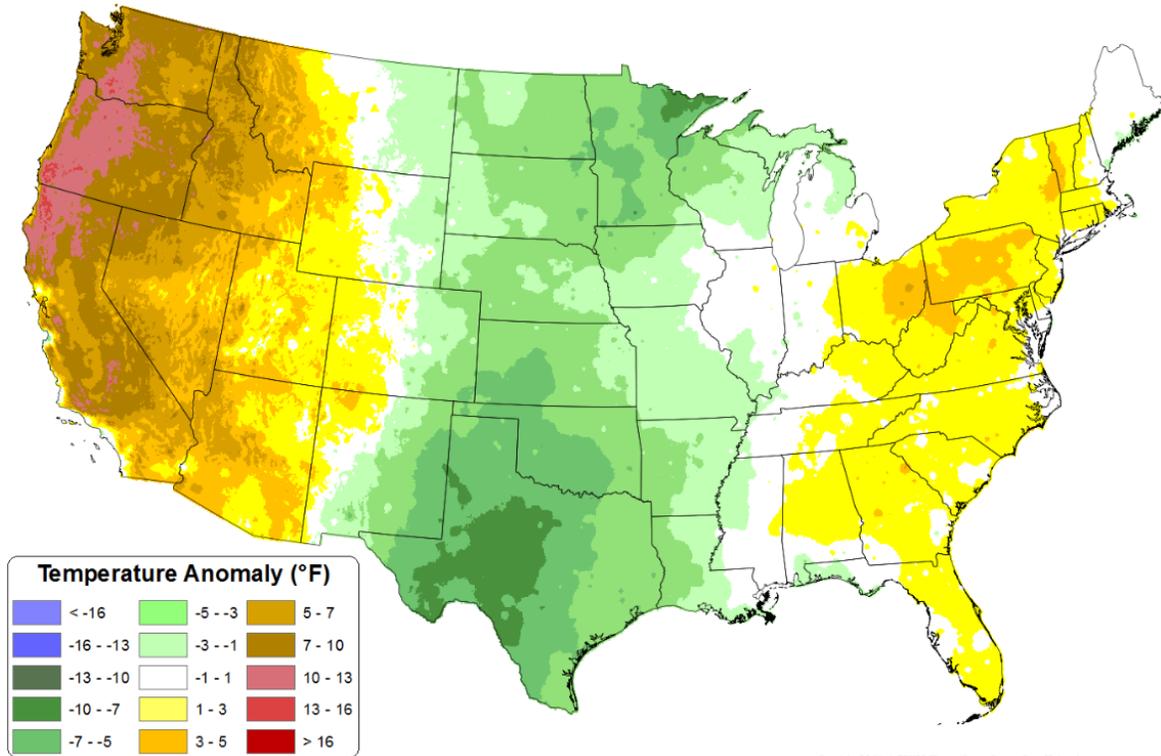
June 9, 2016

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	2	Other Climatic and Water Supply Indicators	9
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Warm temperature anomalies bookend the country this week

Daily Mean Temperature Anomaly: 01 June 2016 - 07 June 2016
Period ending 7 AM EST 07 Jun 2016
 Base period: 1981-2010
 (Map created 08 Jun 2016)

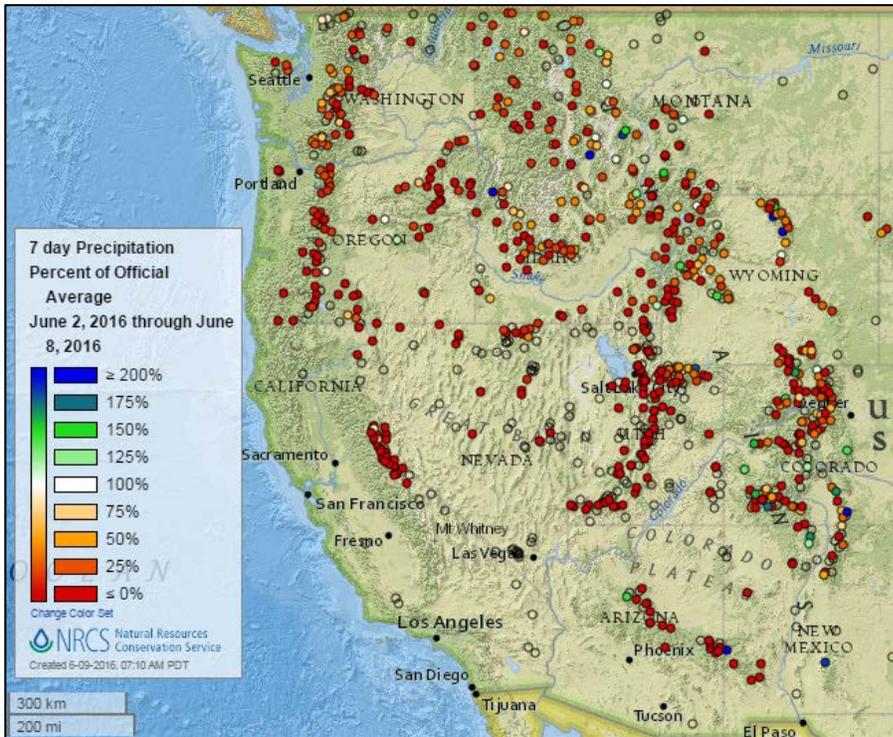


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Both the West and the East reported above normal temperature anomalies so far in June. The highest temperatures were reported in northern California and southwest Oregon with readings over 13 degrees higher than normal. Meanwhile, the central U.S. was cooler than normal with the coolest temperatures reported in northern Minnesota and central and southwest Texas. In these areas, temperatures were seven degrees cooler than normal.

Precipitation

Last 7 Days, Western Mountain Sites (NRCS SNOTEL Network)

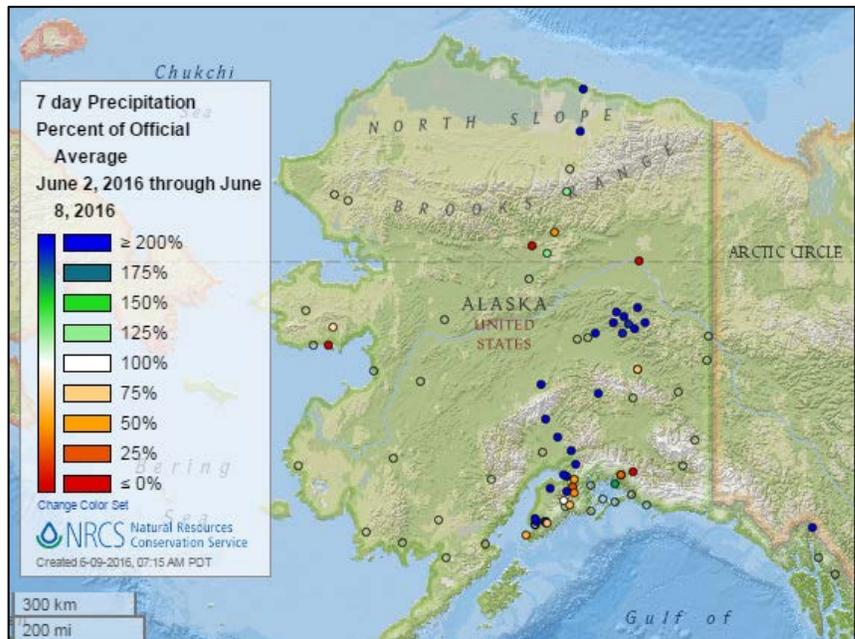


[7-day precipitation percent of average map](#)

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](#)



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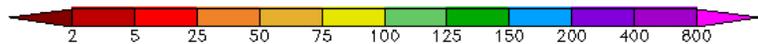
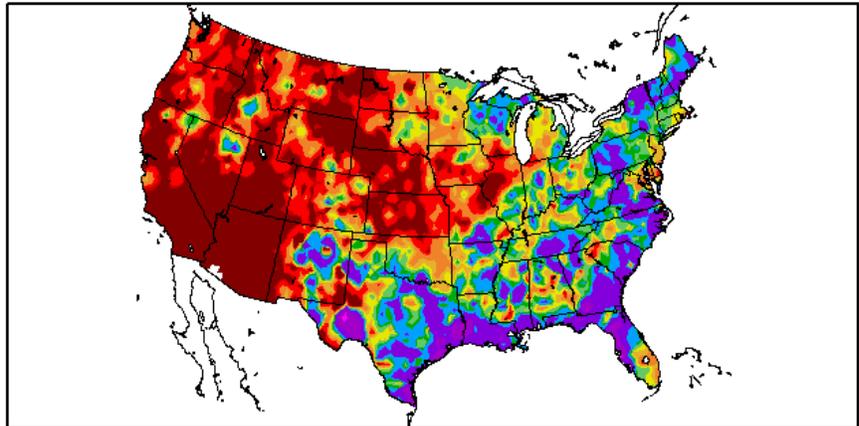
Last 7 Days, National Weather Service (NWS) Networks

Source: Regional Climate Centers

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

Percent of Normal Precipitation (%)
6/2/2016 – 6/8/2016

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



Generated 6/9/2016 at HPRCC using provisional data.

Regional Climate Centers

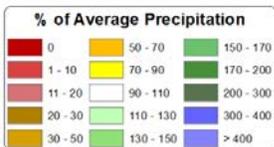
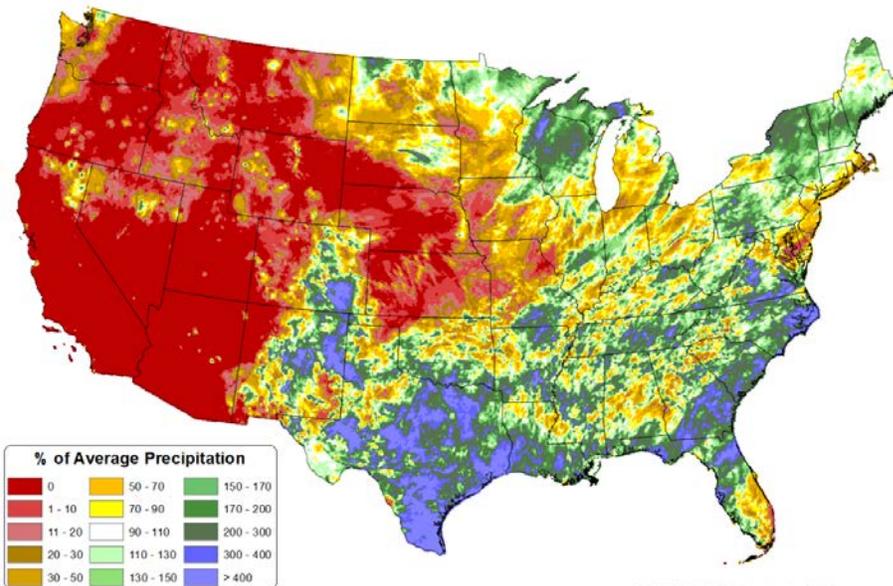
Month-to-Date, All Available Data Including SNOTEL and NWS Networks

Source: PRISM

Total Precipitation Anomaly: 01 June 2016 - 07 June 2016
Period ending 7 AM EST 07 Jun 2016
Base period: 1951-2010
(Map created 08 Jun 2016)

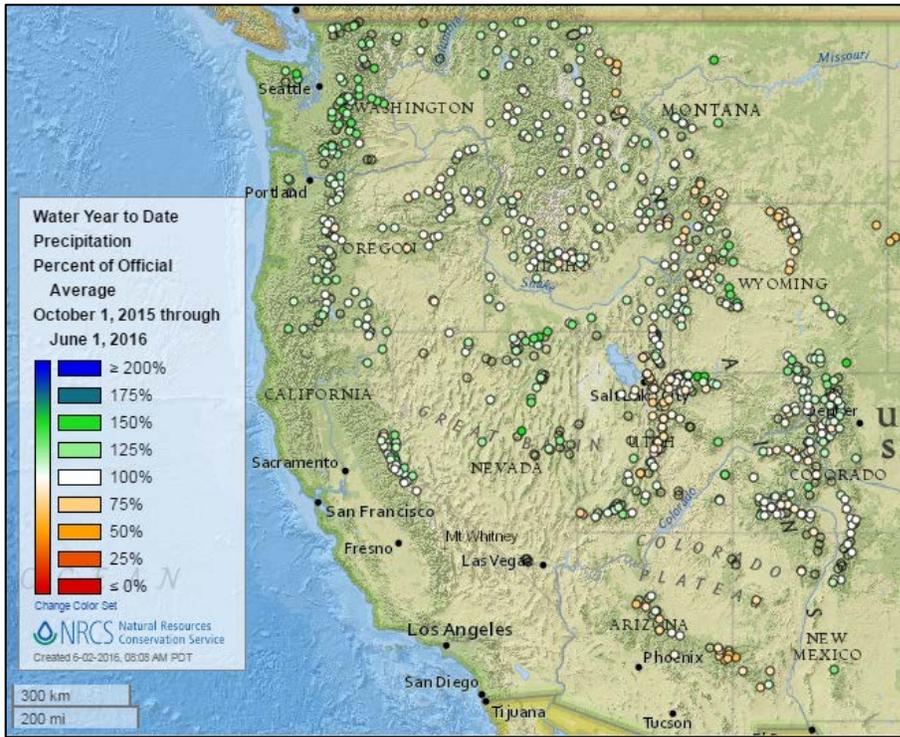
[Month-to-date national precipitation percent of average map](#)

See also: [Month-to-Date national total precipitation values \(inches\) map](#)



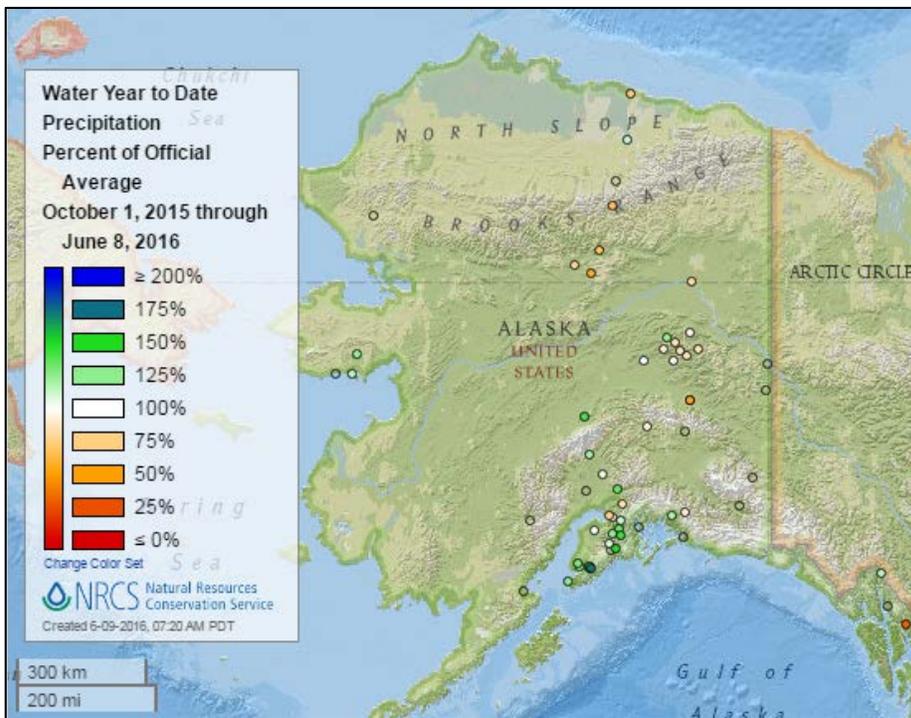
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Water Year-to-Date, Western Mountain Sites (NRCS SNOTEL Network)



[2016 water year-to-date precipitation percent of average map](#)

[See also: 2016 water year-to-date precipitation values \(inches\)](#)



[Alaska 2016 water year-to-date precipitation percent of average map](#)

[See also: Alaska 2016 water year-to-date precipitation values \(inches\) map](#)

Temperature

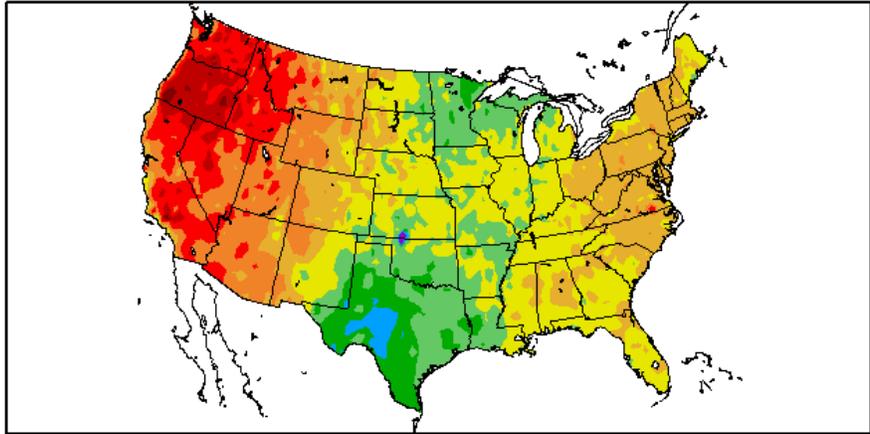
Last 7 Days, National Weather Service (NWS) Networks

Source: Regional Climate Centers

[7-day temperature anomaly map](#)

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

Departure from Normal Temperature (F)
6/2/2016 – 6/8/2016



Generated 6/9/2016 at HPRCC using provisional data.

Regional Climate Centers

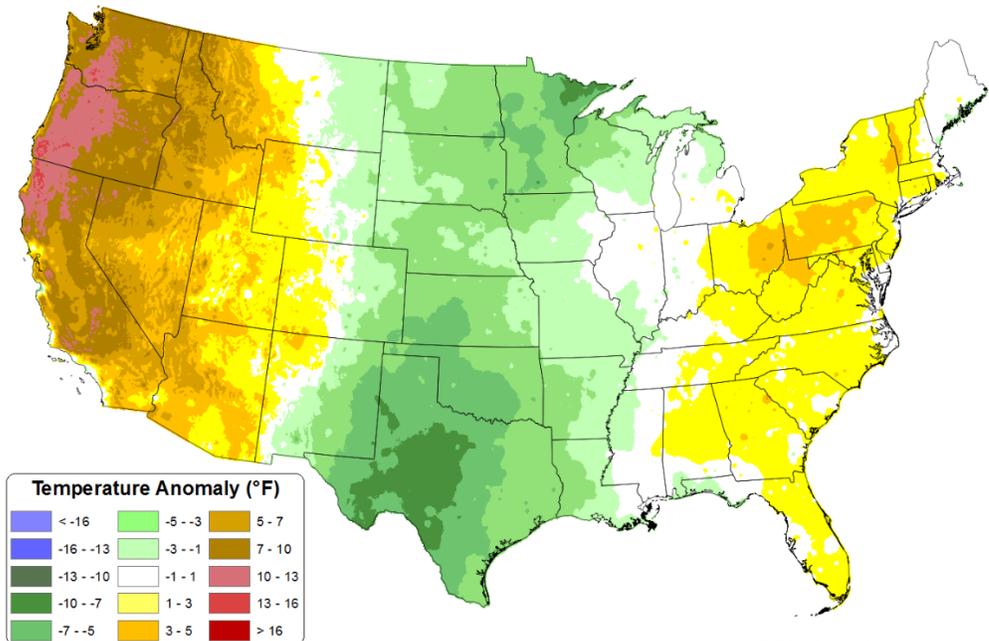
Month-to-Date, All Available Data Including SNOTEL and NWS Networks

Source: PRISM

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

See also: [Month-to-date national daily mean temperature \(° F\) map](#)

Daily Mean Temperature Anomaly: 01 June 2016 - 07 June 2016
Period ending 7 AM EST 07 Jun 2016
Base period: 1981-2010
(Map created 08 Jun 2016)



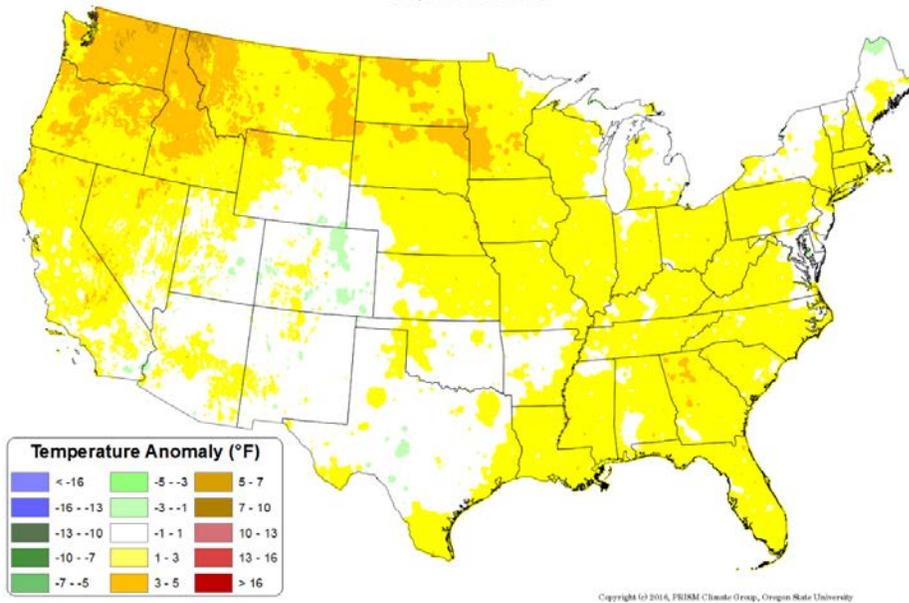
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Last 3 Months, All Available Data Including SNOTEL and NWS Networks

Source: PRISM

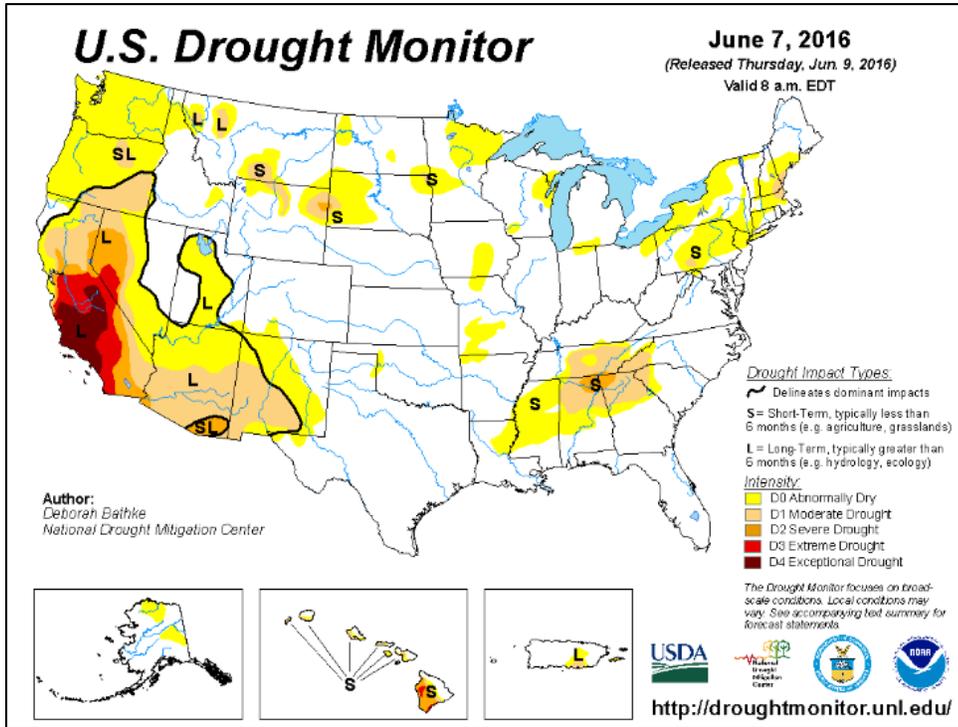
Daily Mean Temperature Anomaly: March 2016 - May 2016
Period ending 7 AM EST 31 May 2016
Base period: 1981-2010
(Map created 02 Jun 2016)

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



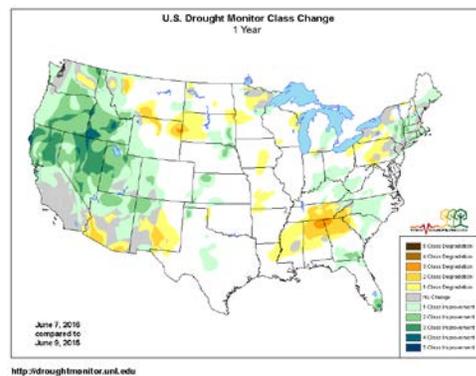
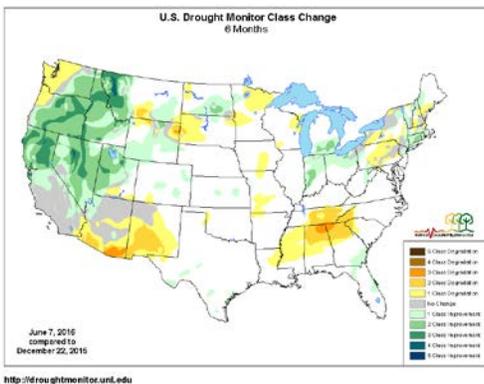
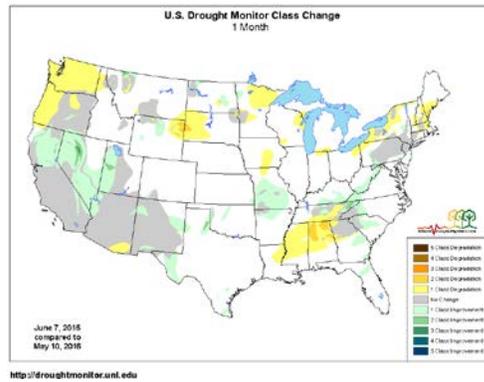
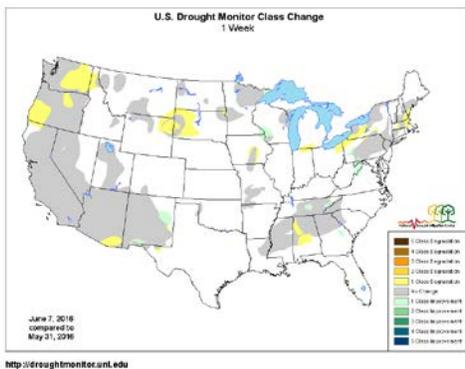
Drought

[U.S. Drought Monitor](#) See map below. [U.S. Drought Portal](#) Comprehensive drought resource.



Changes in Drought Monitor Categories over Time

Click any map to enlarge



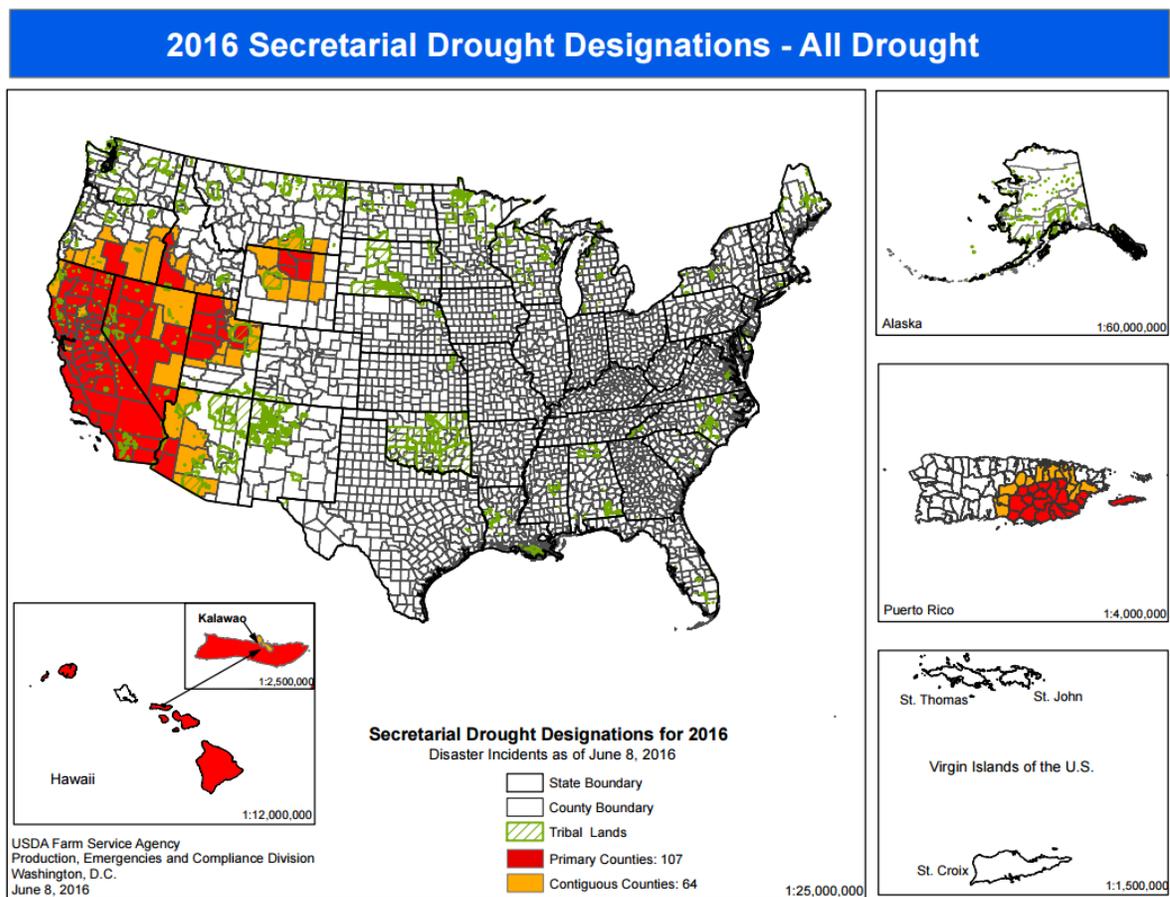
Changes in drought conditions over the last 12 months

Current National [Drought Summary](#), June 7, 2016

Authors: Deborah Bathke, National Drought Mitigation Center
Mark Svoboda, National Drought Mitigation Center

“Heavy rainfall in parts of the Southeast brought relief to dry areas in the Mid-Atlantic States. Parts of eastern Tennessee, western Maryland, northwest Virginia, and West Virginia all saw a one category reduction of D0-D1 areas. Other parts of the eastern U.S. didn’t fare as well. Warmer than normal temperatures and seasonally low rainfall accumulations led to the expansion of D0 in parts of central Massachusetts and western New York, the introduction of moderate drought in southern parts of New Hampshire and Maine, and the persistence of D0-D1 conditions in other areas. In the West, temperatures were 6 to 15 degrees above normal, leading to the expansion of D0 across the Pacific Northwest. Other changes include the introduction of D2 in southern Arizona and along the South Dakota-Wyoming border.”

USDA 2016 Secretarial [Drought Designations](#)

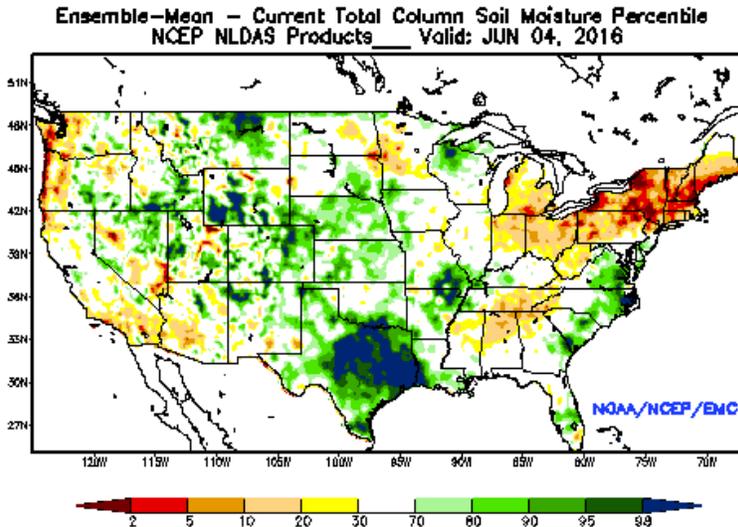


Highlighted Drought Resources

- [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](#)

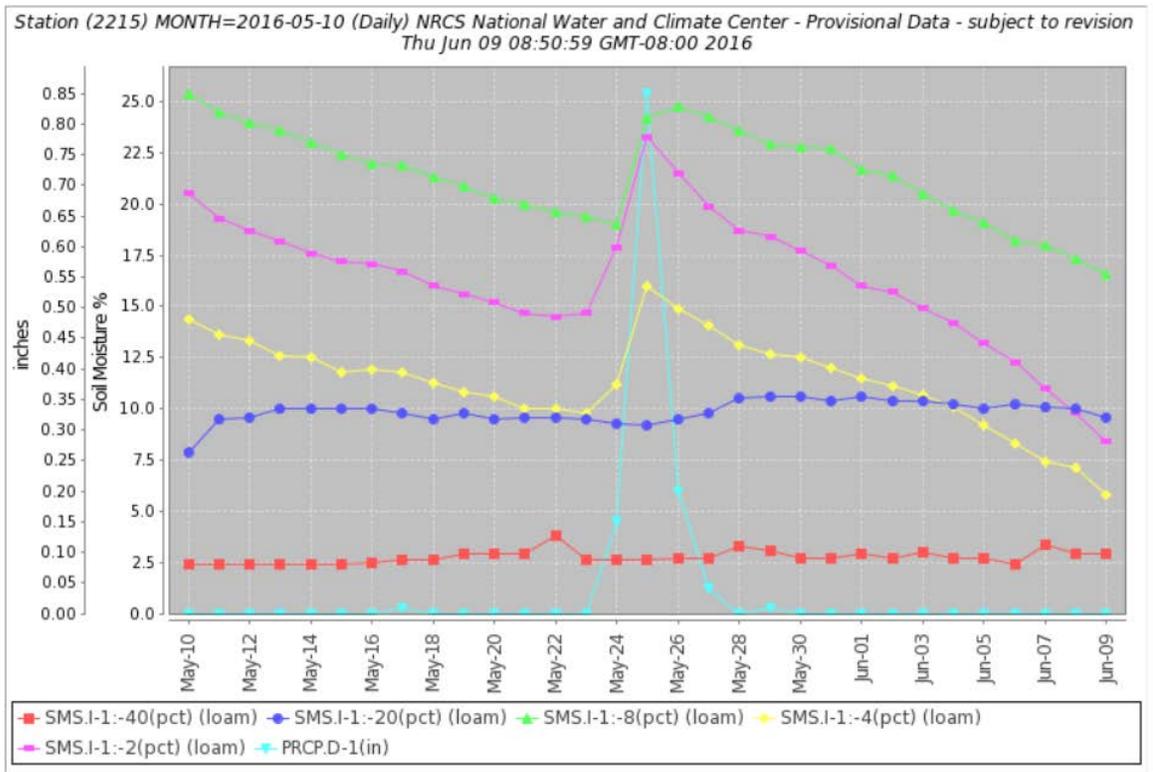
Other Climatic and Water Supply Indicators

Soil Moisture



[Modeled soil moisture percentiles](#) as of June 4, 2016

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



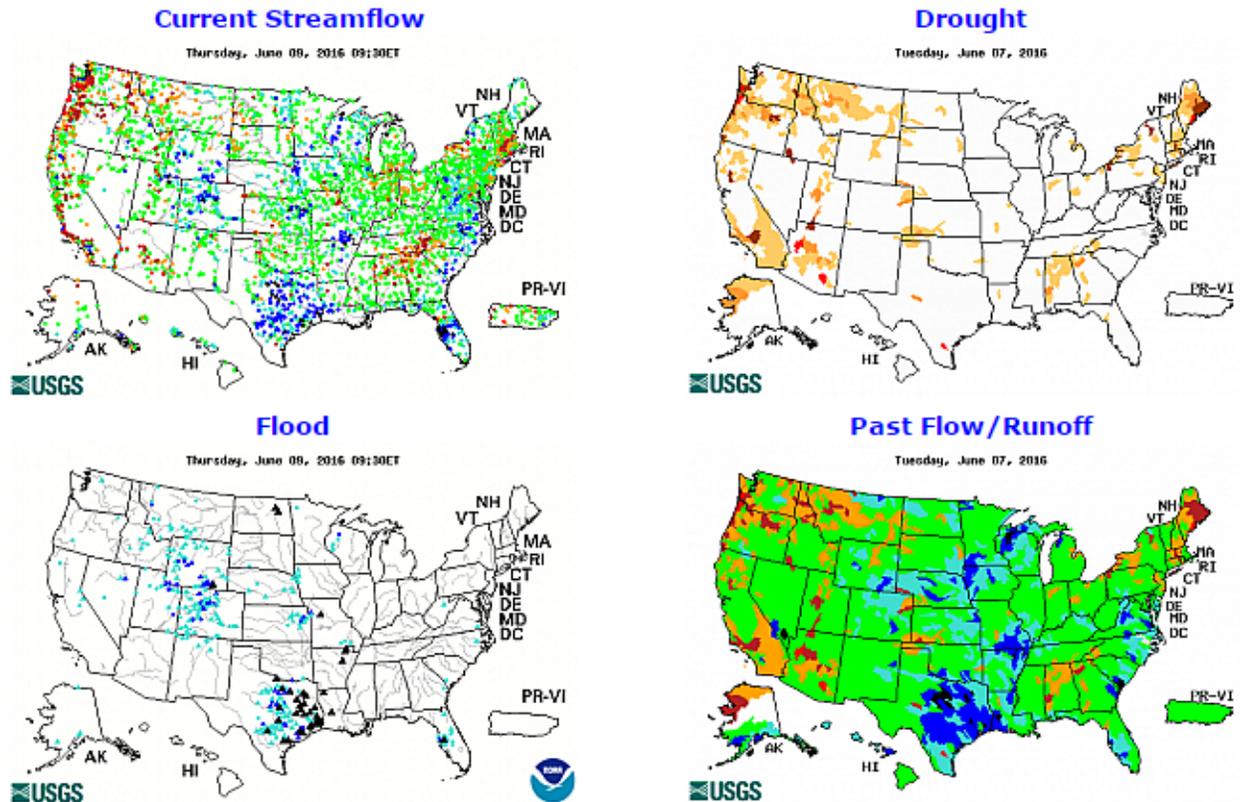
Soil moisture (at 2-, 4-, 8-, 20-, and 40-inch depths) and precipitation for the past 30 days at the [Bodie Hills SCAN Site #2215](#), in California. The precipitation event in late May increased the soil moisture at this site at the 2-, 4-, and 8-inch sensor depths, whereas the 20- and 40-inch sensors remained unchanged. After the storms, the shallow layers declined in soil moisture rapidly.

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



Click to enlarge and display legends

[Current streamflow maps](#)

Current Reservoir Storage

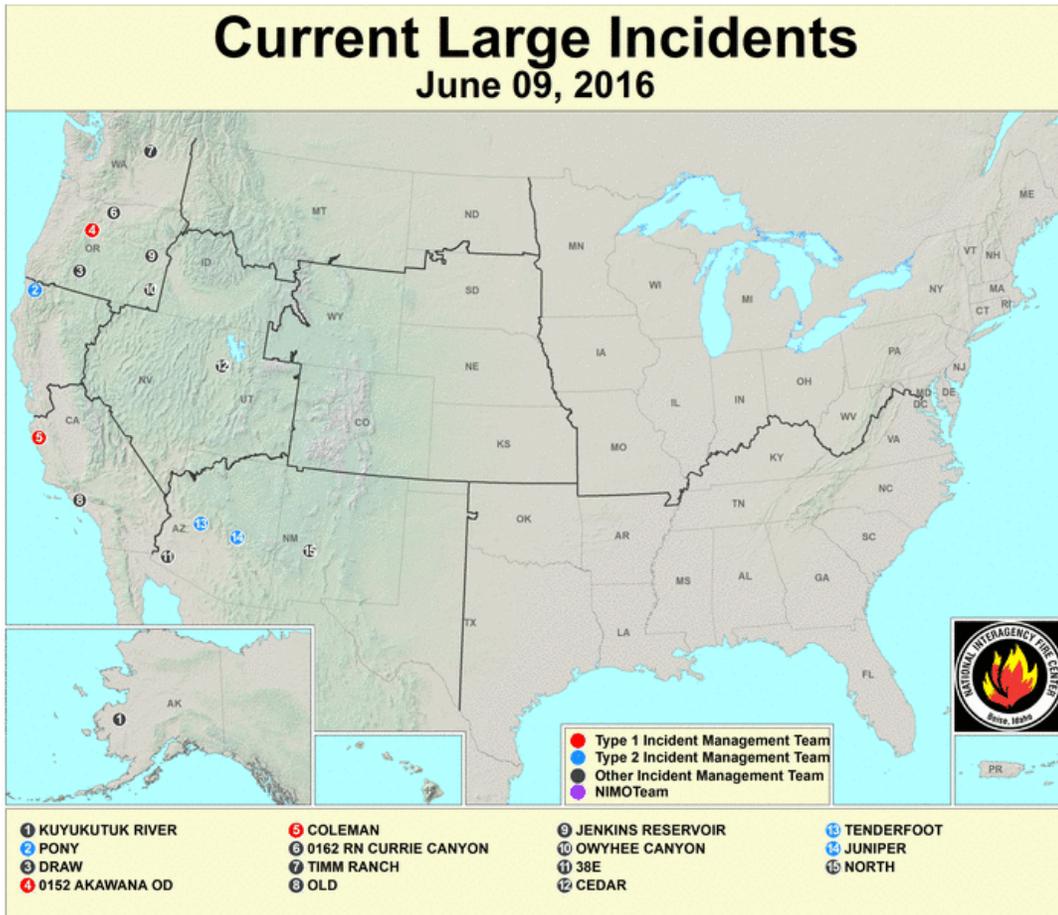
[National Water and Climate Center Reservoir Data](#)

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](#)

[California Reservoir Conditions](#)

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



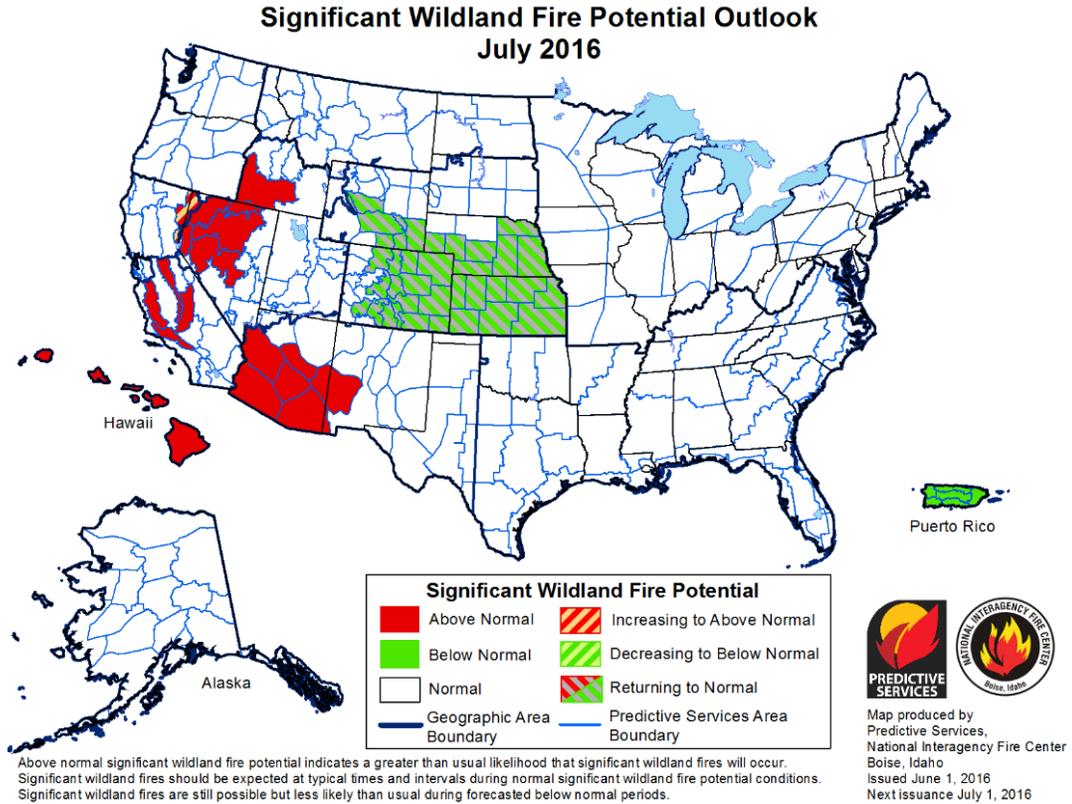
Short- and Long-Range Outlooks

Agricultural Weather Highlights

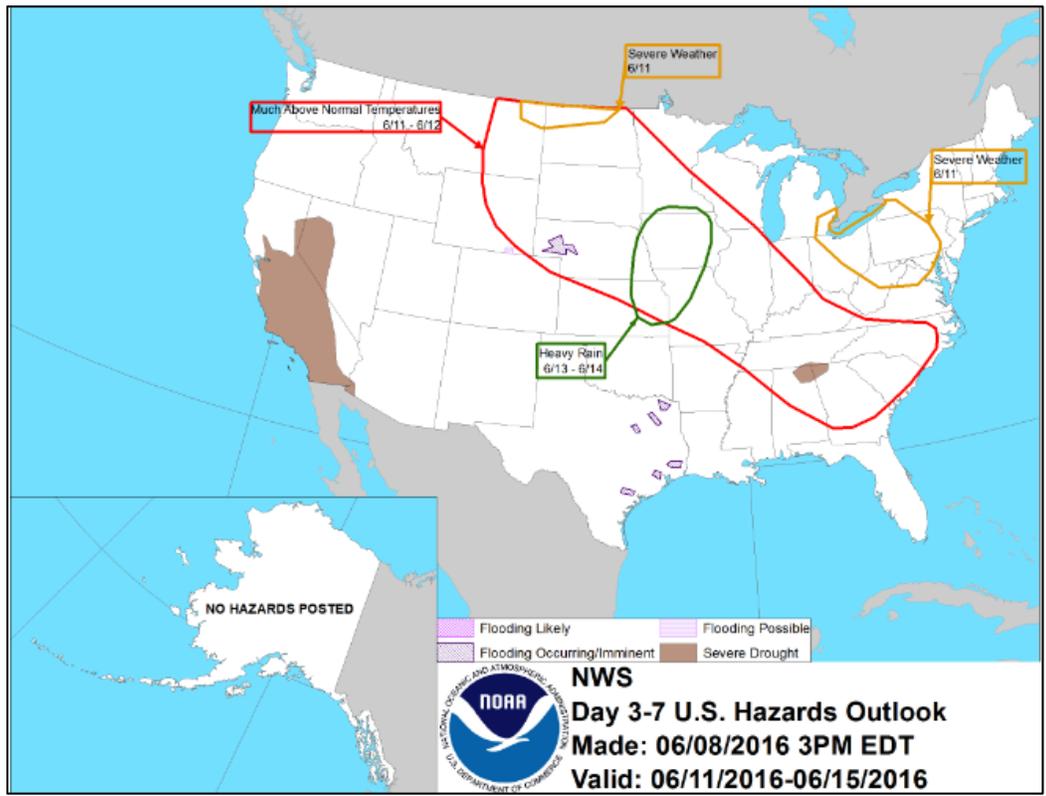
Author: Brad Rippey, Agricultural Meteorologist, USDA/OCE/WAOB

[National Outlook, June 9, 2016](#): “During the next few days, heat will briefly expand across much of the central and southeastern U.S., while cool conditions will linger in the Northeast. By Sunday, a new surge of cool air will arrive across the Great Lakes and Northeastern States. Meanwhile in the West, markedly cooler air will replace an early-season heat wave. Across much of the nation, showers will become more numerous, with only California and the southern Mid-Atlantic region remaining mostly dry. Due to fast-moving weather systems, rainfall will not be particularly heavy, with most areas receiving no more than 1 to 2 inches. Some heavier rain, locally 2 to 4 inches, may fall across southern Florida. The NWS 6- to 10-day outlook for June 14 – 18 calls for the likelihood of above-normal temperatures from the Plains into the Southeast, including the southern and western Corn Belt, while cooler-than-normal conditions will be limited to the Northeast and the Far West. Meanwhile, wetter-than-normal weather in the Pacific Northwest and from the Gulf Coast northward into much of the Midwest will contrast with near-to-below normal rainfall across the remainder of the U.S.”

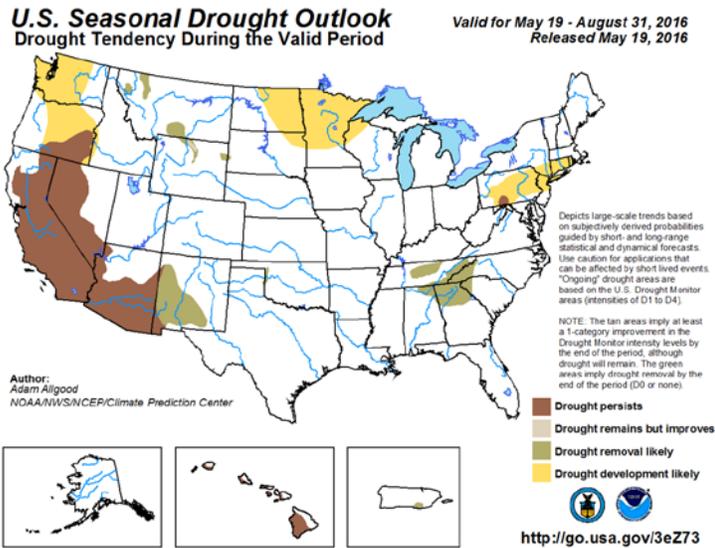
Fire Potential Outlook: [July 2016](#)



NWS Climate Prediction Center Weather Hazard Outlook: [June 11 – 15, 2016](#)



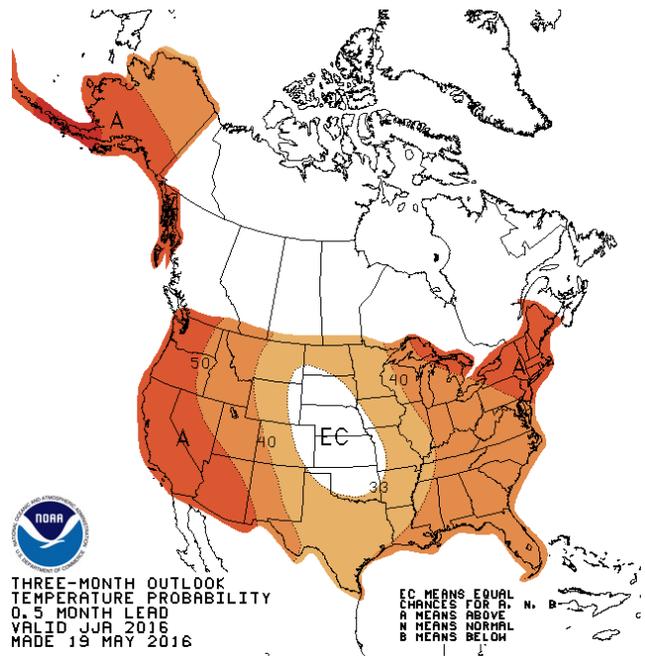
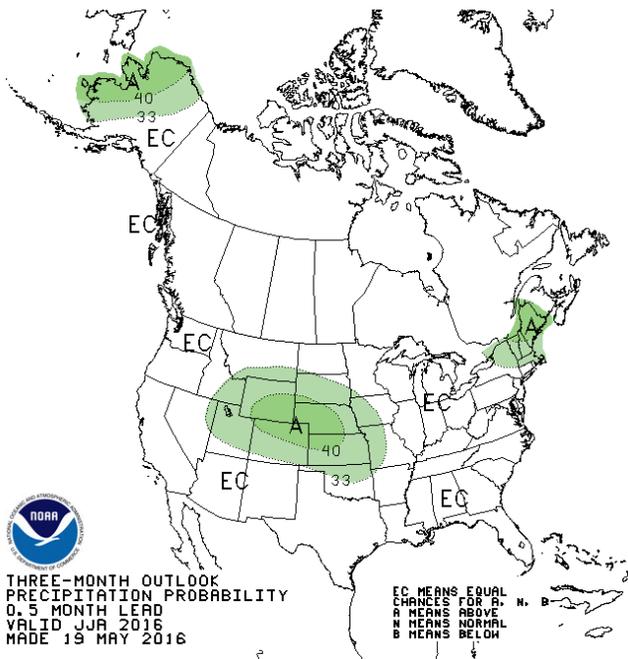
Seasonal Drought Outlook: [May 19 – August 31, 2016](#)



NWS Climate Prediction Center 3-Month Outlook

[Precipitation](#)

[Temperature](#)



[June-July-August \(JJA\) 2016 precipitation outlook summary](#)

[June-July-August \(JJA\) 2016 temperature outlook summary](#)

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](#).