



Water and Climate Update

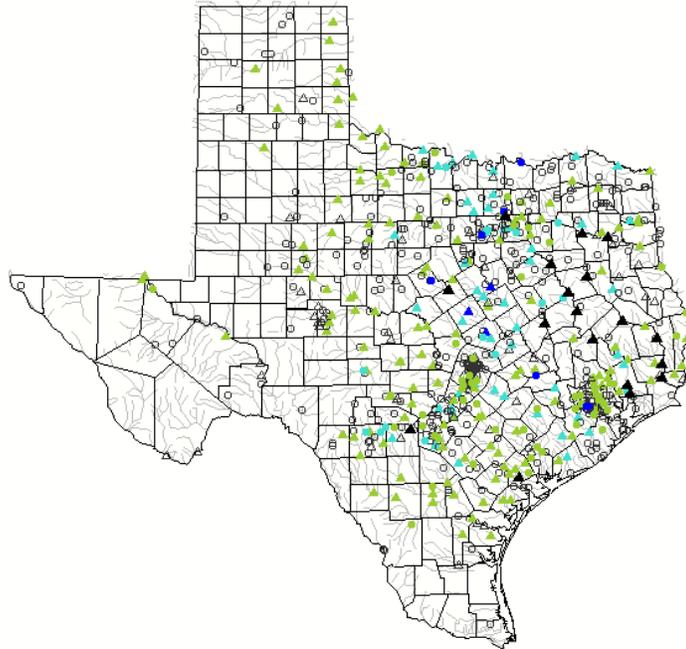
June 16, 2016

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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Record Texas flooding; strong storms continue

Thursday, June 16, 2016 12:31ET



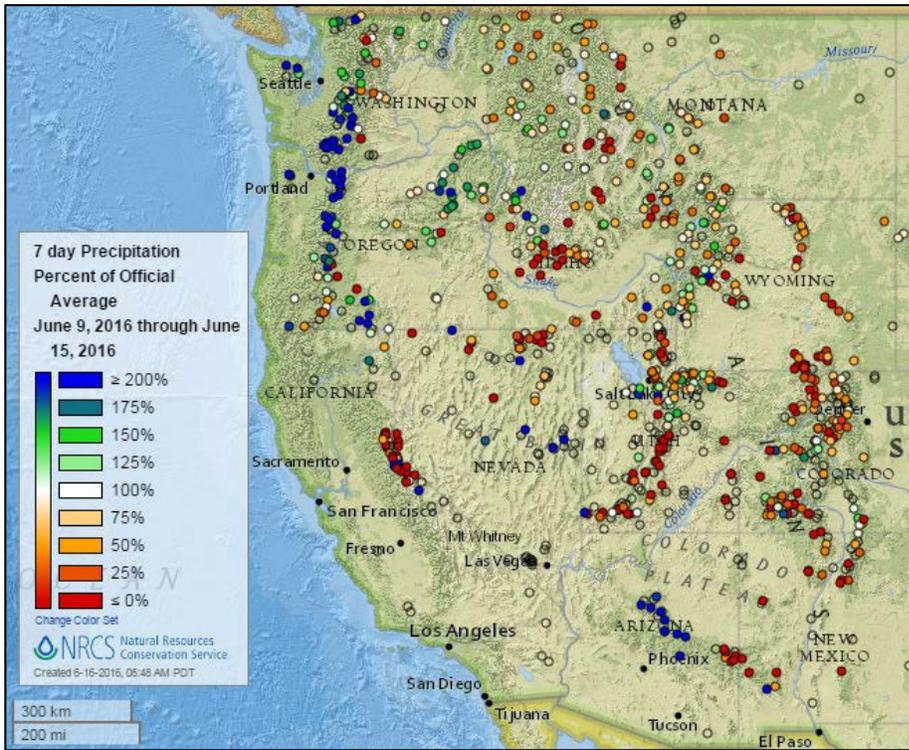
Choose a data retrieval option and select a location on the map
 List of all stations Single station Nearest stations Peak flow

Explanation - Percentile classes				
<95	95-98	>= 99	River above flood stage	Not ranked
△ Streamgauge with flood stage		○ Streamgauge without flood stage		

Deadly Texas flooding continued this week with strong storms still hampering parts of the state. FEMA granted the Texas request for 12 counties to be declared as [major disasters](#).

Precipitation

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

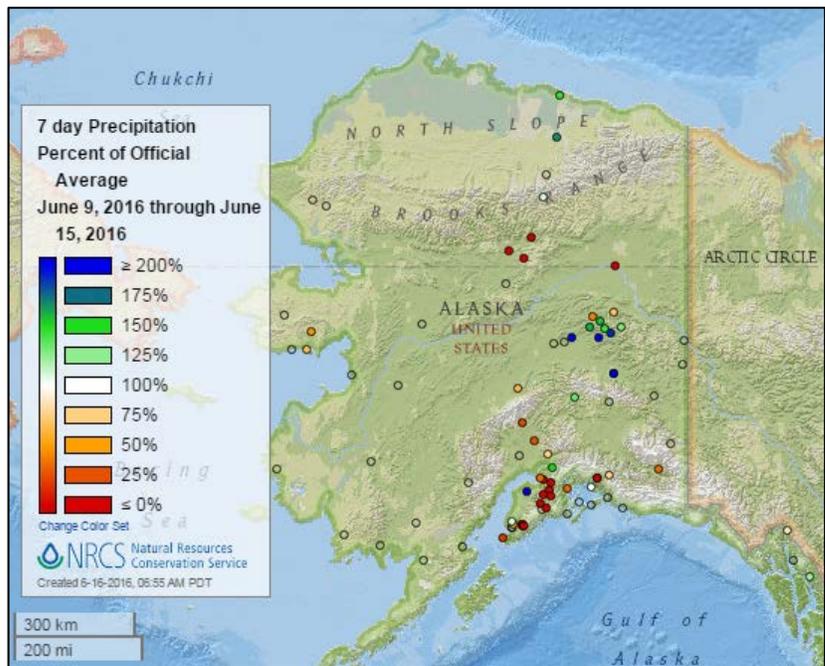


[7-day precipitation percent of average map](#)

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](#)



Water and Climate Update

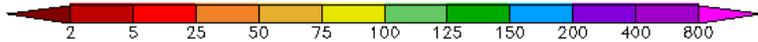
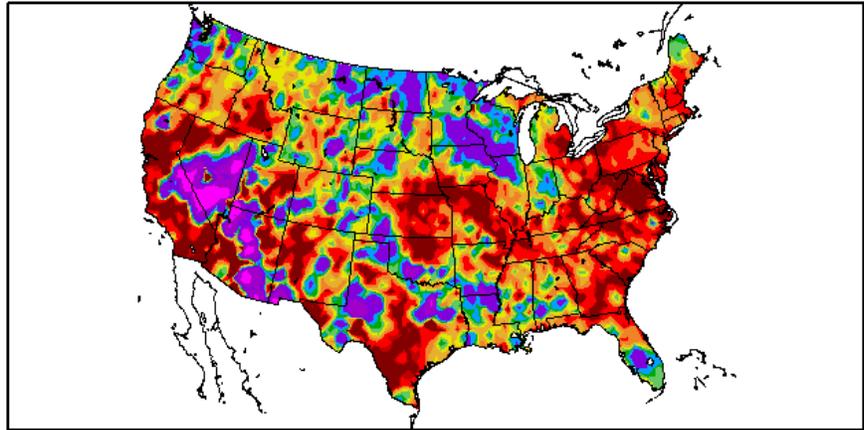
Last 7 Days, National Weather Service (NWS) Networks

Source: Regional Climate Centers

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

Percent of Normal Precipitation (%)
6/9/2016 – 6/15/2016

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



Generated 6/16/2016 at HPRCC using provisional data.

Regional Climate Centers

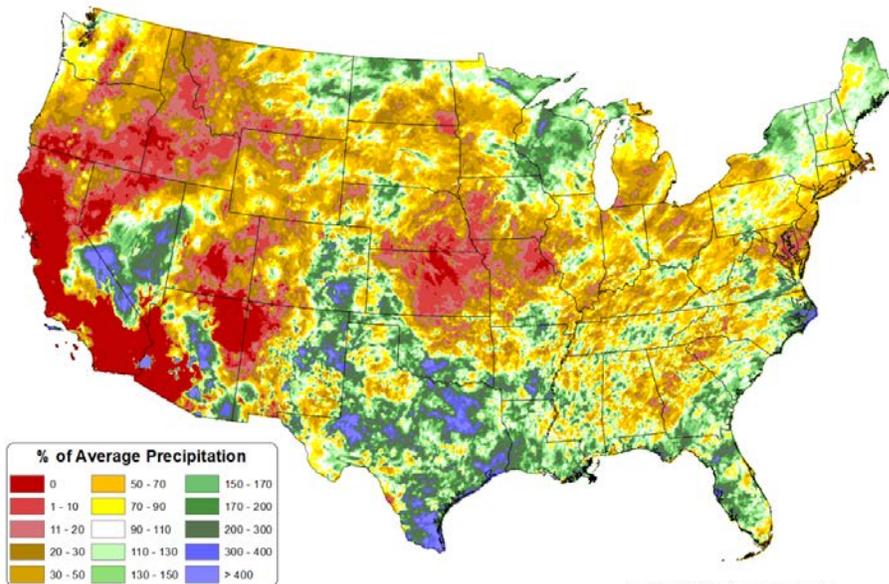
Month-to-Date, All Available Data Including SNOTEL and NWS Networks

Source: PRISM

Total Precipitation Anomaly: 01 June 2016 - 14 June 2016
Period ending 7 AM EST 14 Jun 2016
Base period: 1981-2010
(Map created 13 Jun 2016)

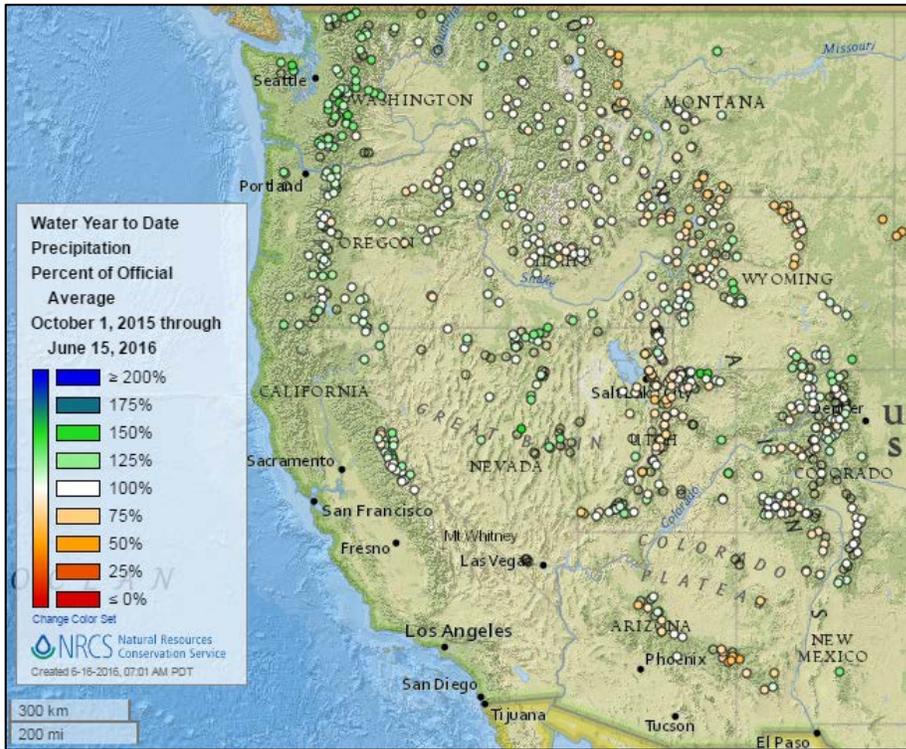
[Month-to-date national precipitation percent of average map](#)

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



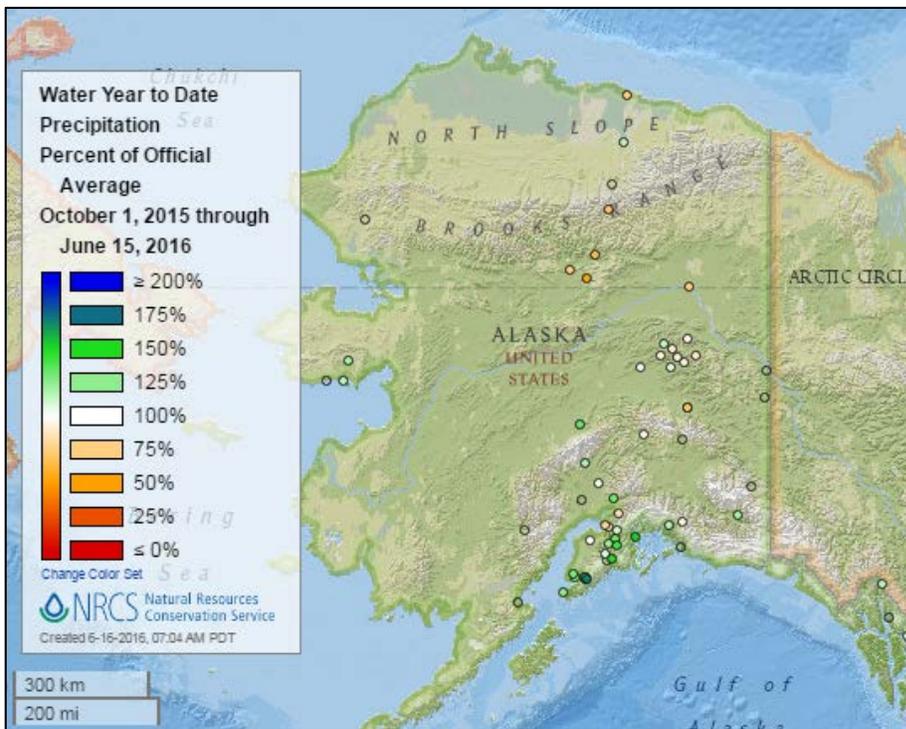
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Water Year-to-Date, Western Mountain Sites (NRCS SNOTEL Network)



[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

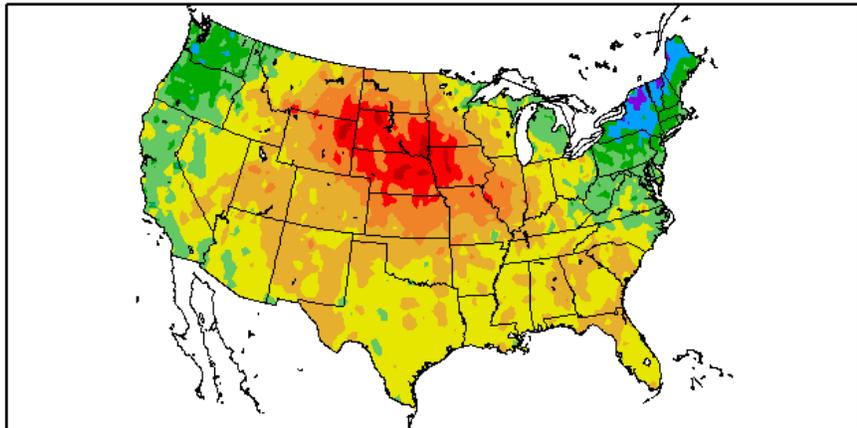
Last 7 Days, National Weather Service (NWS) Networks

Source: Regional Climate Centers

[7-day temperature anomaly map](#)

Departure from Normal Temperature (F)
6/9/2016 – 6/15/2016

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



Generated 6/16/2016 at HPRCC using provisional data.

Regional Climate Centers

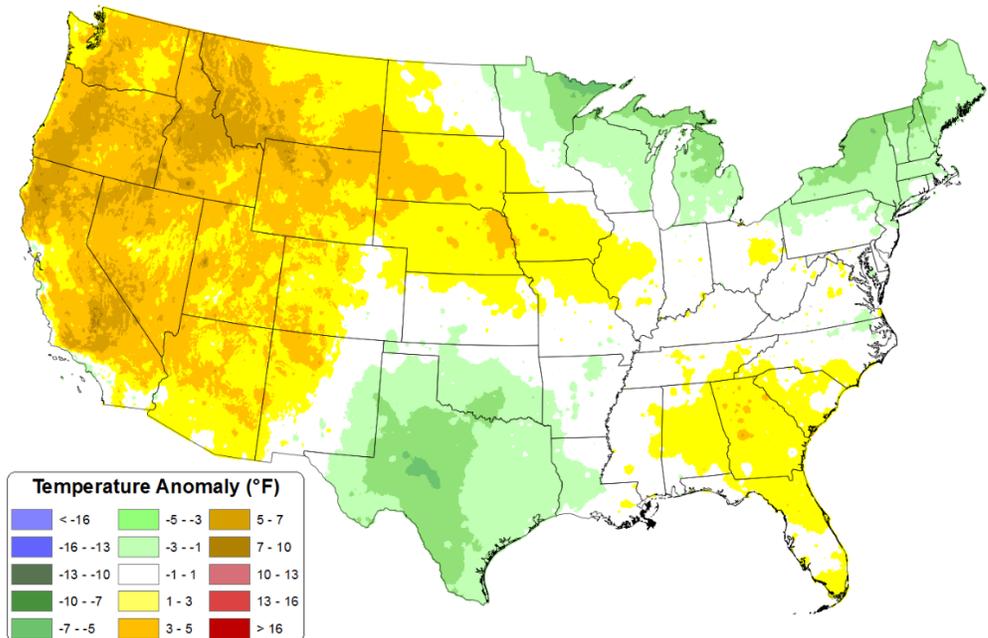
Month-to-Date, All Available Data Including SNOTEL and NWS Networks

Source: PRISM

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

Daily Mean Temperature Anomaly: 01 June 2016 - 14 June 2016
Period ending 7 AM EST 14 Jun 2016
Base period: 1981-2010
(Map created 15 Jun 2016)

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



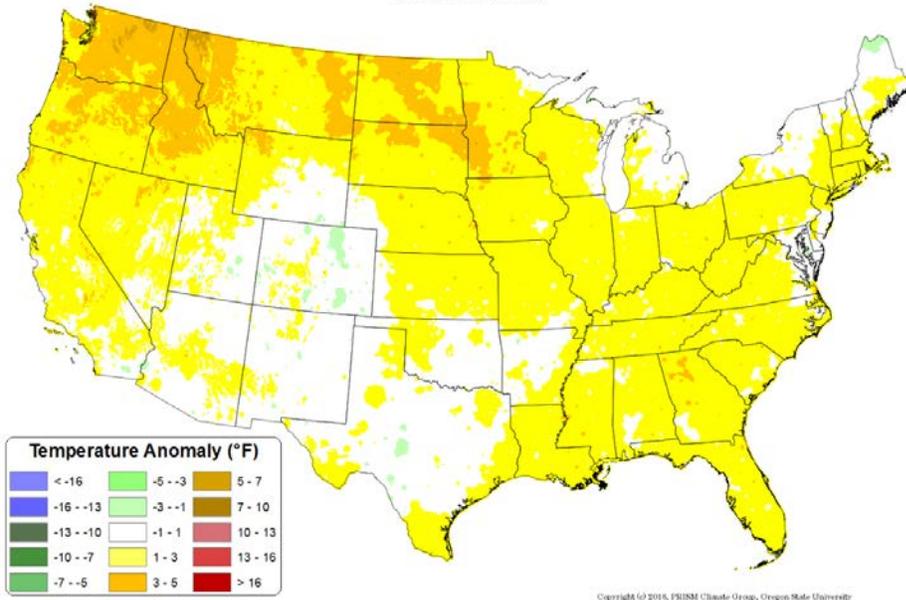
Copyright (c) 2016, PRISM Climate Group, Oregon State University

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

Source: PRISM

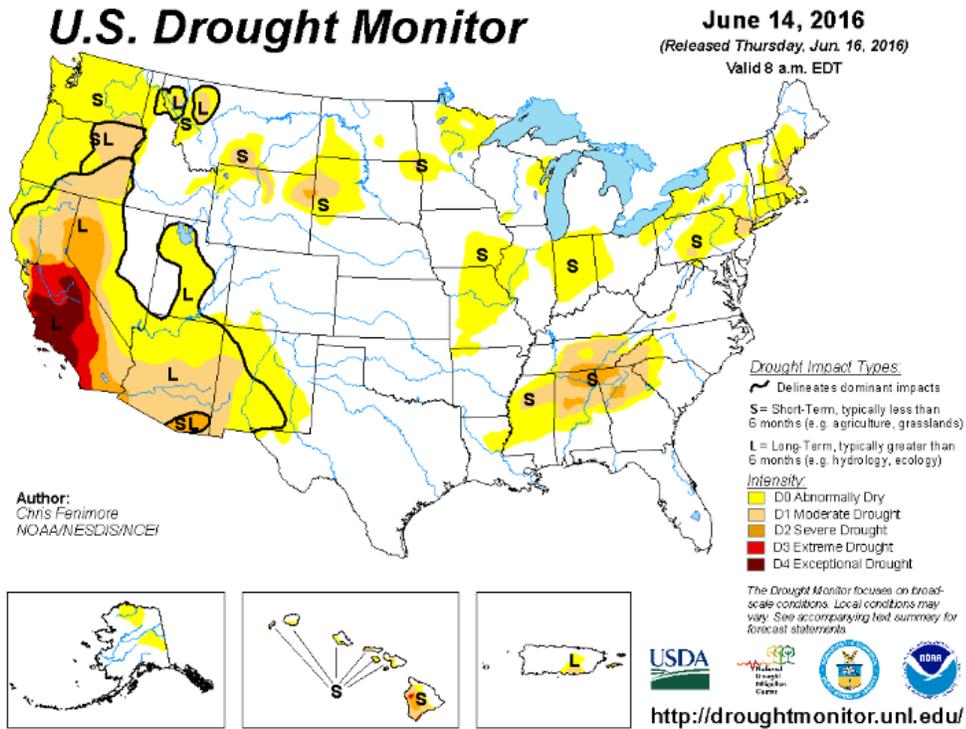
Daily Mean Temperature Anomaly: March 2016 - May 2016
Period ending 7 AM EST 31 May 2016
Base period: 1981-2010
(Map created 12 Jun 2016)

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



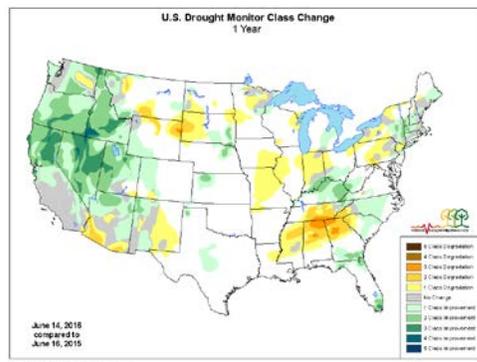
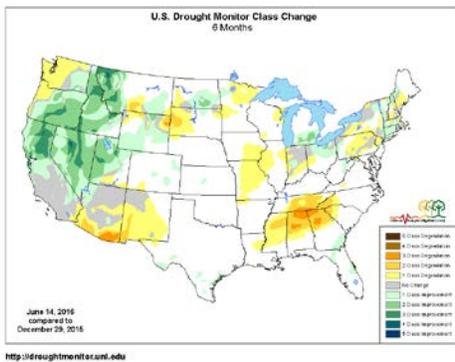
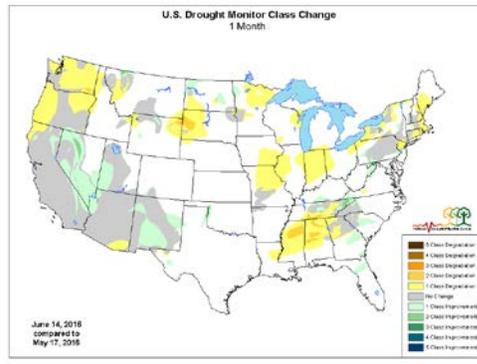
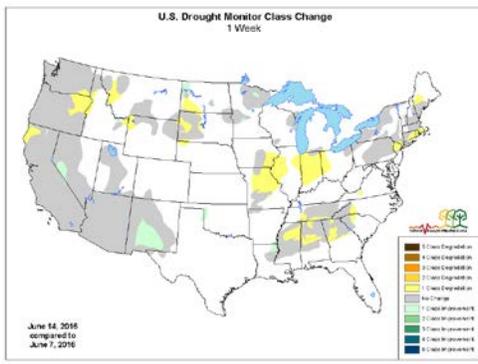
Drought

[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



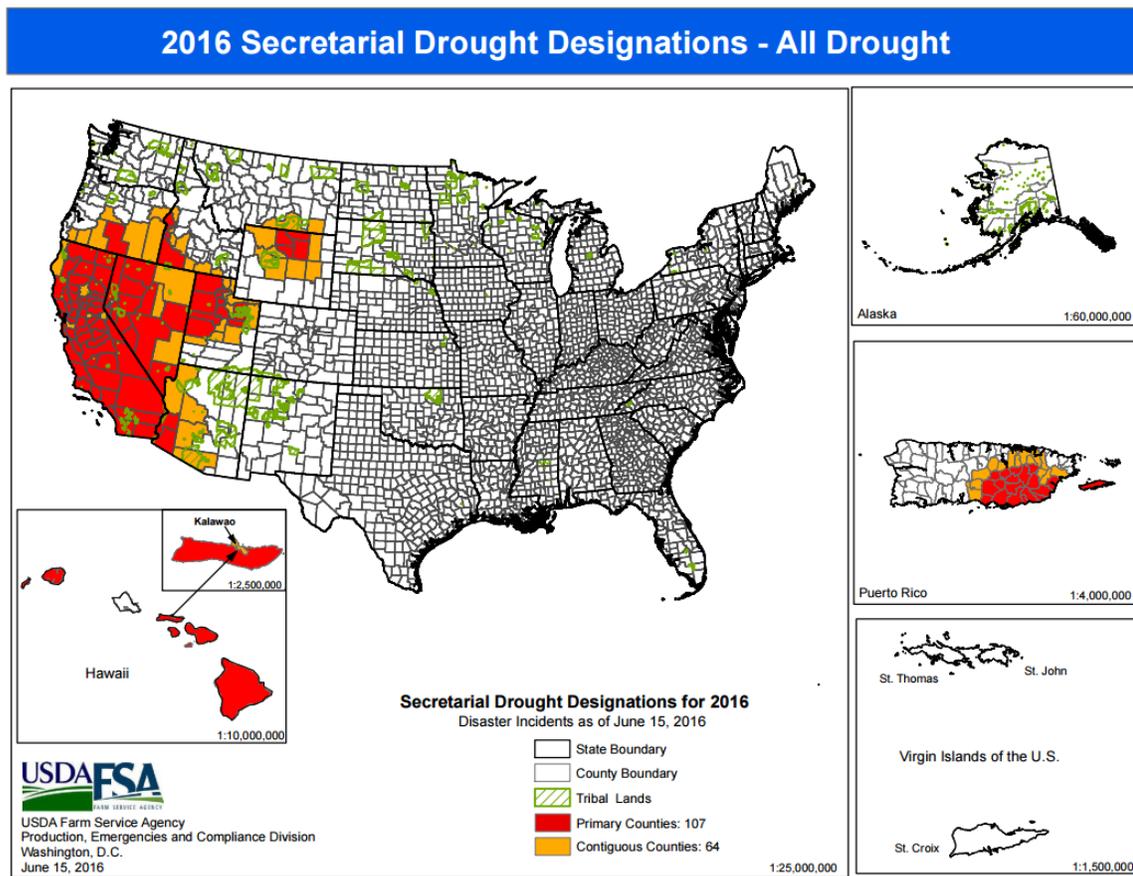
[Changes in drought conditions over the last 12 months](#)

Current National [Drought Summary](#), June 14, 2016

Authors: Chris Fenimore, NOAA/NESDIS/NCEI

“Precipitation for the USDM period (June 7-14) was generally below normal for much of the country. Areas that received above normal rainfall were in Florida and along the coast Georgia and the Carolina’s. This was associated with Tropical Storm Colin which exited the coast late in the previous period. Precipitation fell in the Great Basin and central Arizona improving drought conditions in parts of this area. Other areas that received above-normal rainfall were the Northern High Plains and the Southern Plains. Precipitation continued to be minimal in the Northeast, Great Lakes area, Midwest and Northwest, prompting the expansion of DO in the areas that are experiencing low stream flows and parched soils. Temperatures were warmer than normal in much of the western half of the country. The highest anomalies were located in the Northern High Plains where temperatures were at least 10 degrees above what is typically expected during the period. Temperatures were below normal in the Northeast and Great Lakes region.”

USDA 2016 Secretarial [Drought Designations](#)

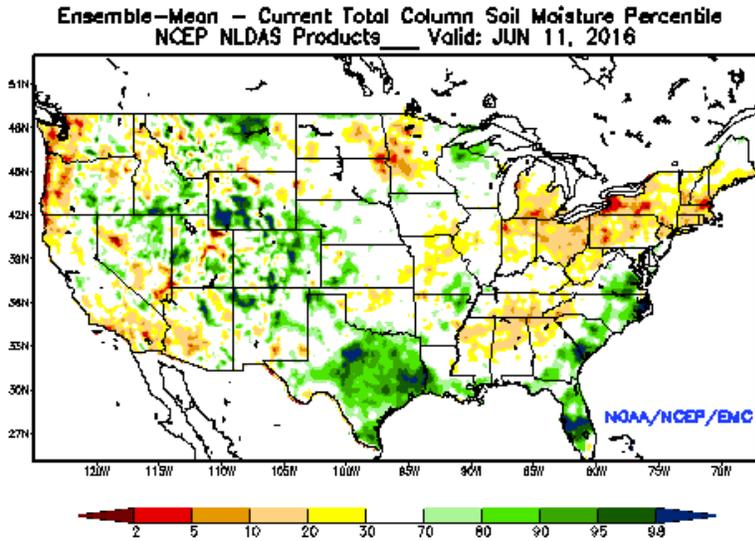


Highlighted Drought Resources

- [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](#)

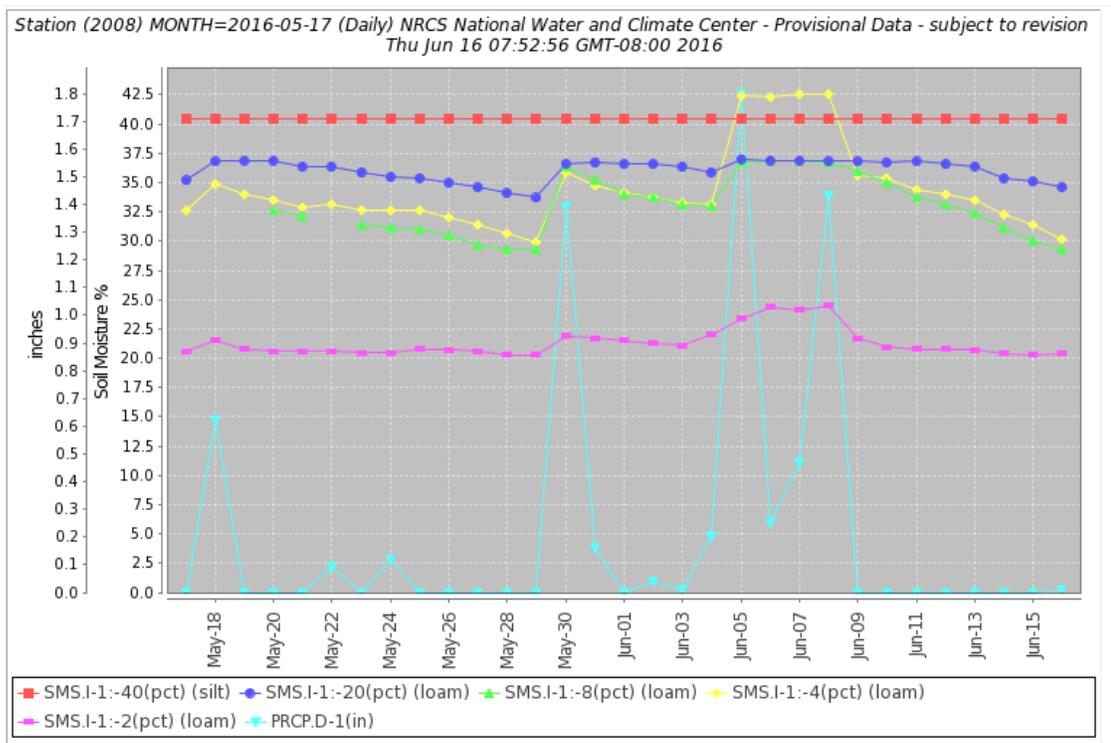
Other Climatic and Water Supply Indicators

Soil Moisture



[Modeled soil moisture percentiles](#) as of June 11, 2016.

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



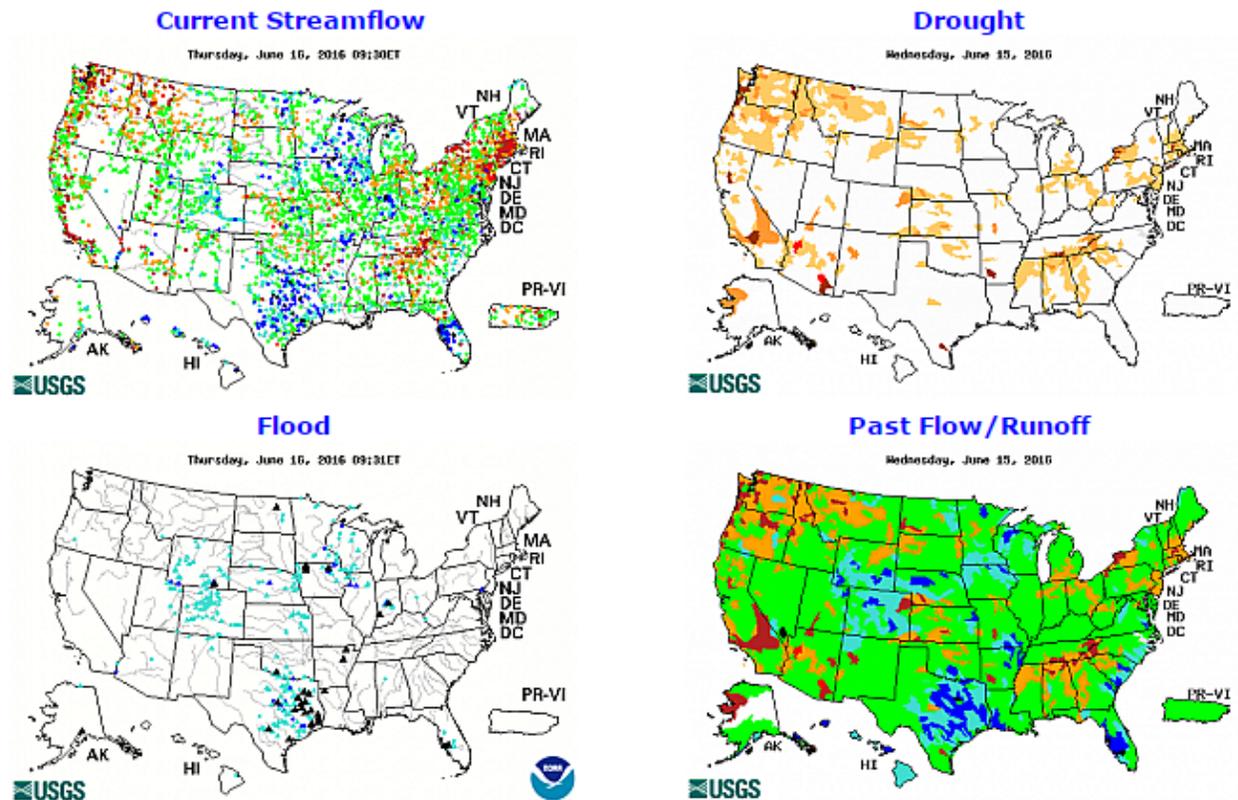
Soil moisture (at 2-, 4-, 8-, 20-, and 40-inch depths) and precipitation for the past 30 days at the [Tidewater #1 SCAN site 2008](#) in North Carolina. The precipitation events in early June have increased the soil moisture at this site at the 2-, 4-, 8-, and 20- inch sensor depths, whereas the 40-inch sensor remained unchanged because the soil is saturated at this depth.

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

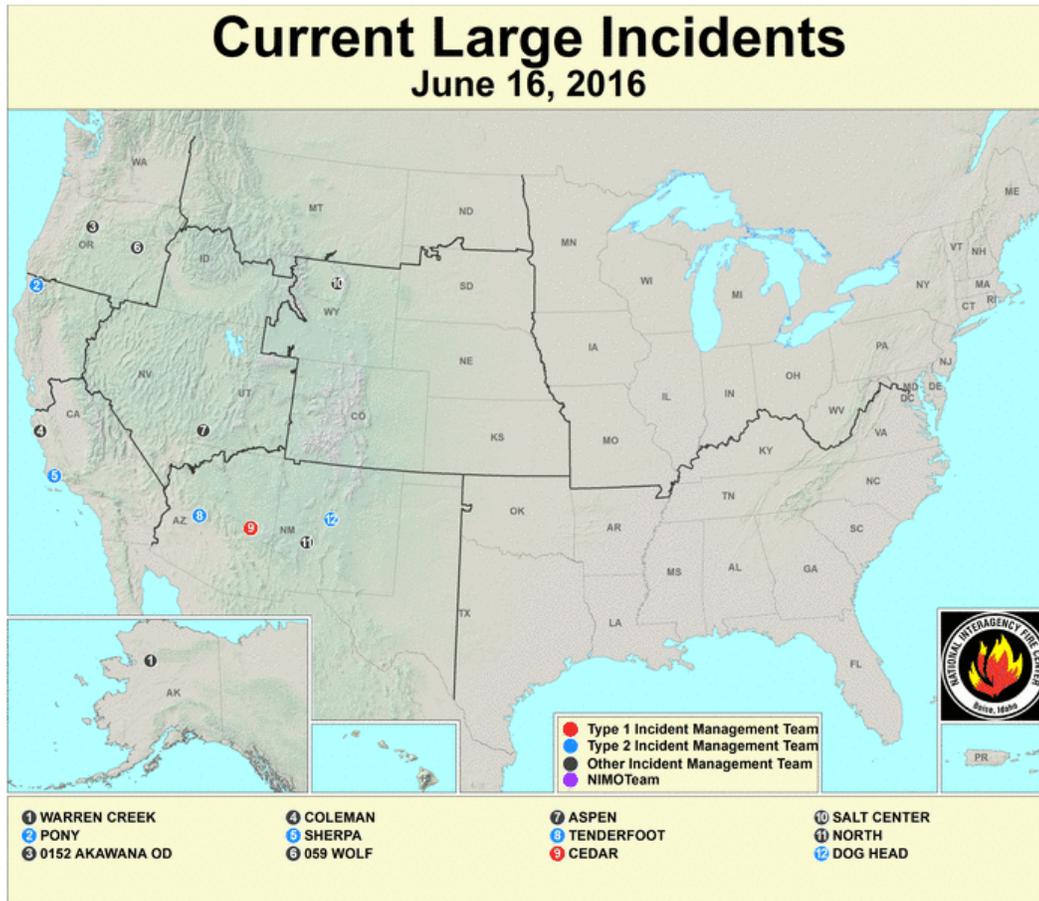
[National Water and Climate Center Reservoir Data](#)

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

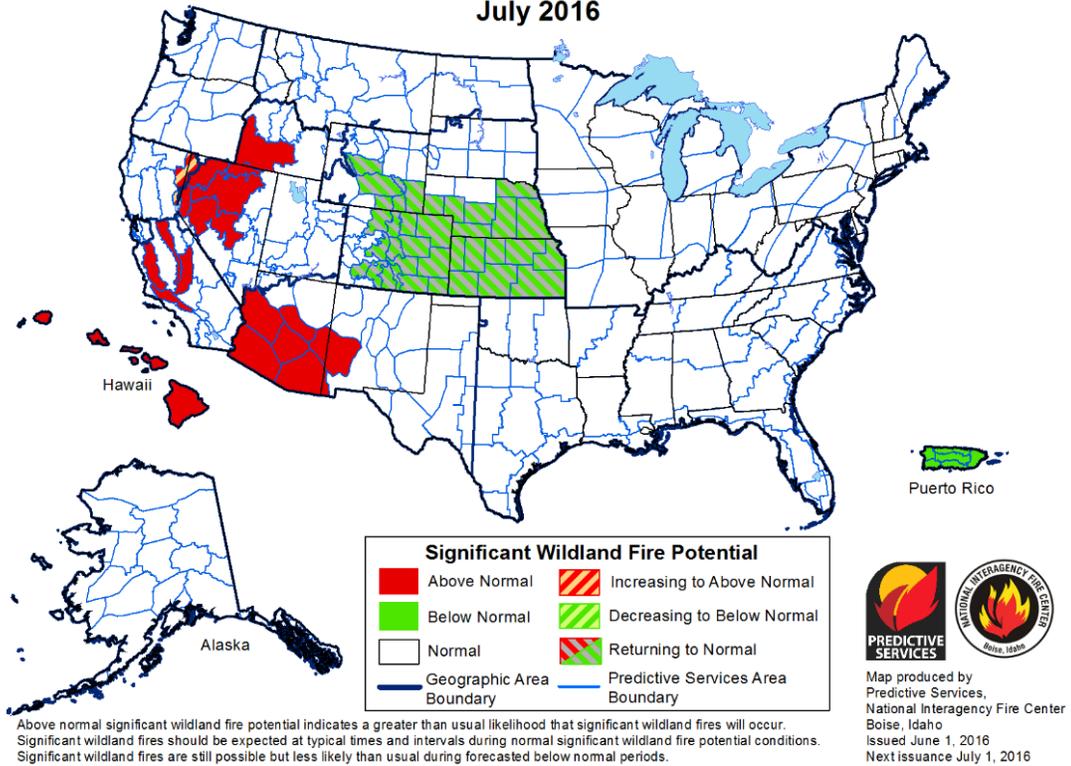
Agricultural Weather Highlights

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

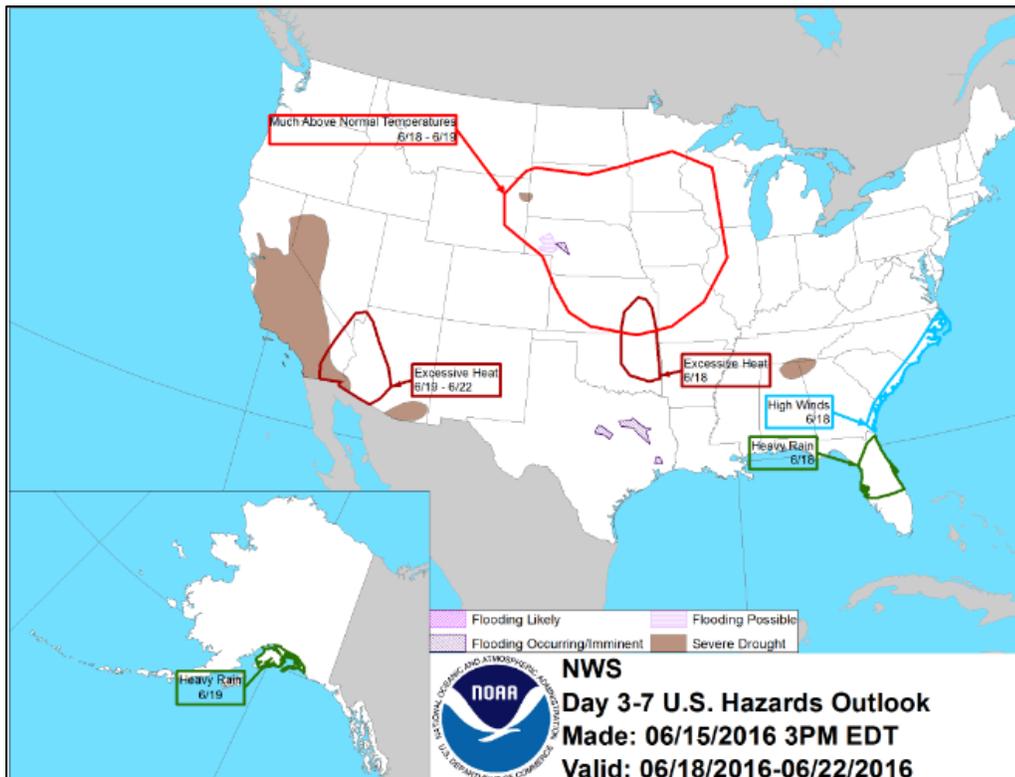
[National Outlook, June 16, 2016](#): “A low-pressure system currently crossing Michigan will reach the Mid-Atlantic coast on Friday. Rainfall along the storm’s path could reach 1 to 3 inches. Showers will also linger across the lower Southeast, including Florida, where totals of 1 to 2 inches can be expected. During the weekend and early next week, showers associated with a cold front will sweep across the northern Plains and the Midwest, trailed by cooler weather. Farther south, however, heat will persist across the central and southern Plains and develop across the Southwest. Starting during the weekend, temperatures could reach or exceed 120°F in parts of the Desert Southwest. The NWS 6- to 10-day outlook for June 21 – 25 calls for the likelihood of near- to below-normal temperatures in much of the eastern half of the U.S., while hotter-than-normal conditions will prevail across the West and lower Southeast. Meanwhile, near to below-normal rainfall across most of the country will contrast with wetter-than-normal weather along the Atlantic Seaboard, in the western Gulf Coast region, and from the central Plains into the Great Lakes and Northeastern States.”

Fire Potential Outlook: [July 2016](#)

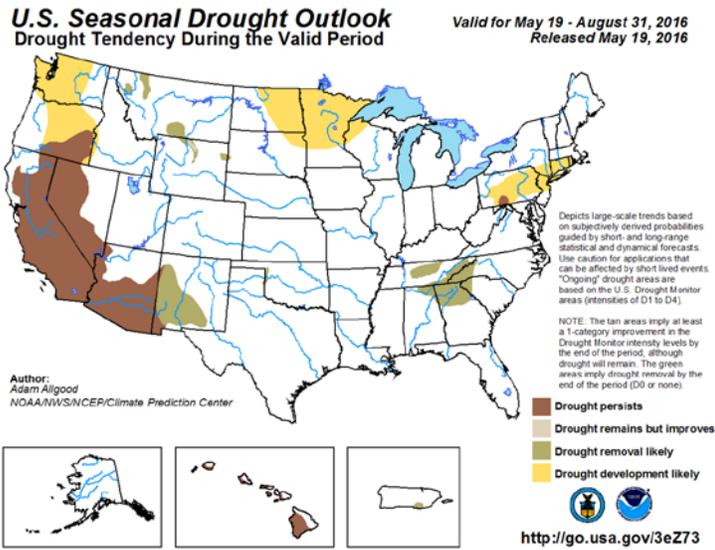
Significant Wildland Fire Potential Outlook
July 2016



NWS Climate Prediction Center [Weather Hazard Outlook: June 18 - 22, 2016](#)

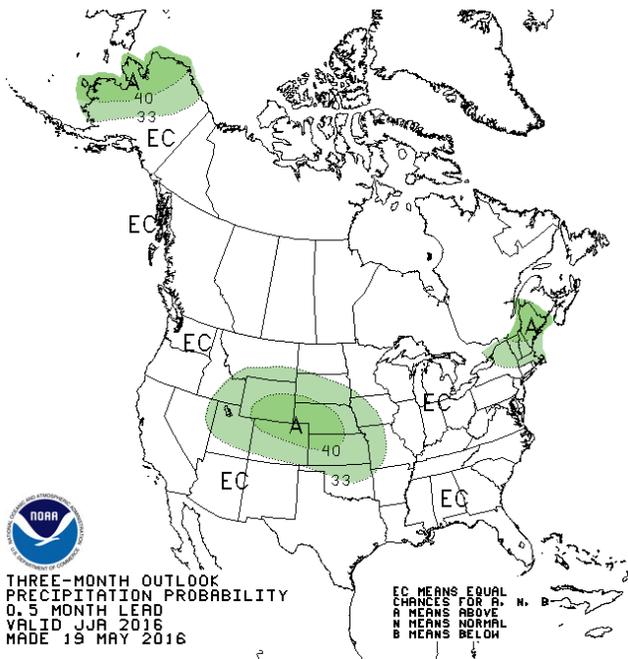


Seasonal Drought Outlook: [May 19 – August 31, 2016](#)

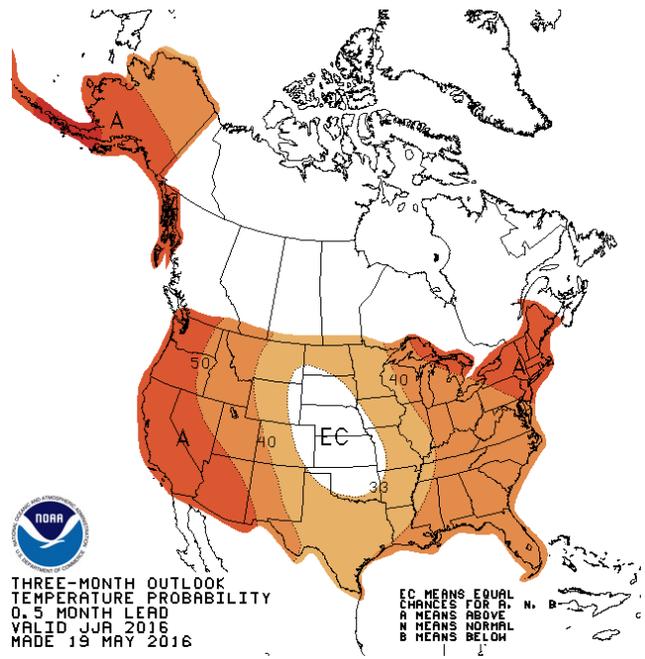


NWS Climate Prediction Center 3-Month Outlook

[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](#).