



Water and Climate Update

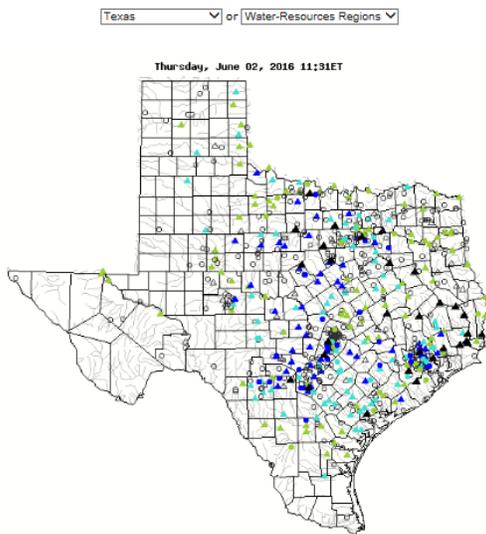
June 2, 2016

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.

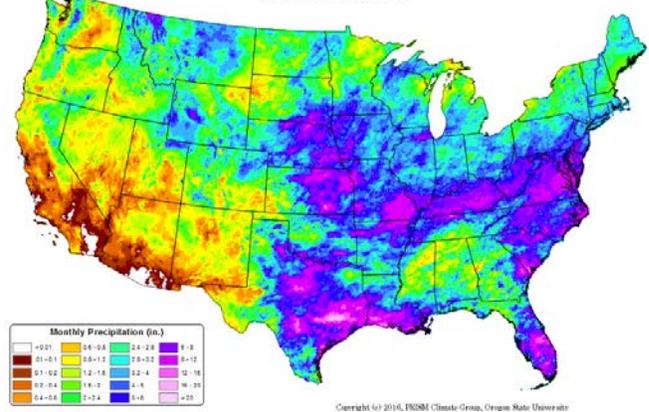
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Temperature	7	Short- and Long-Range Outlooks.....	13

Flooding continues across eastern Texas as wet May continues into June

Map of flood and high flow condition (Texas)

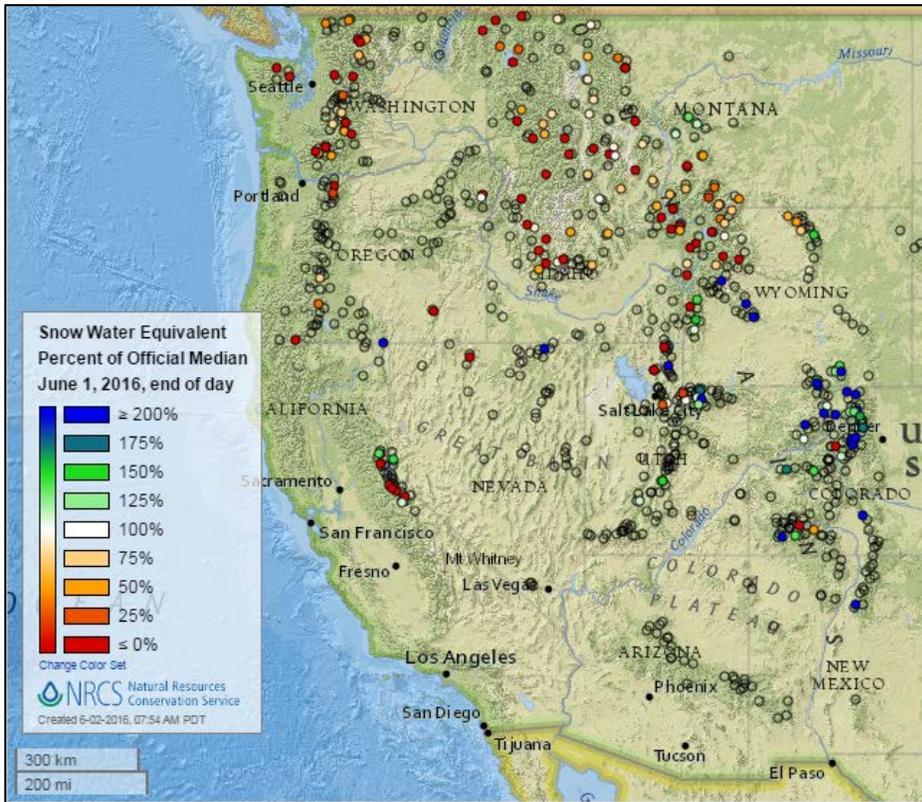


Total Precipitation: 01 May 2016 - 31 May 2016
Period ending 7 AM EST 31 May 2016
(Map created 01 Jun 2016)



Snow

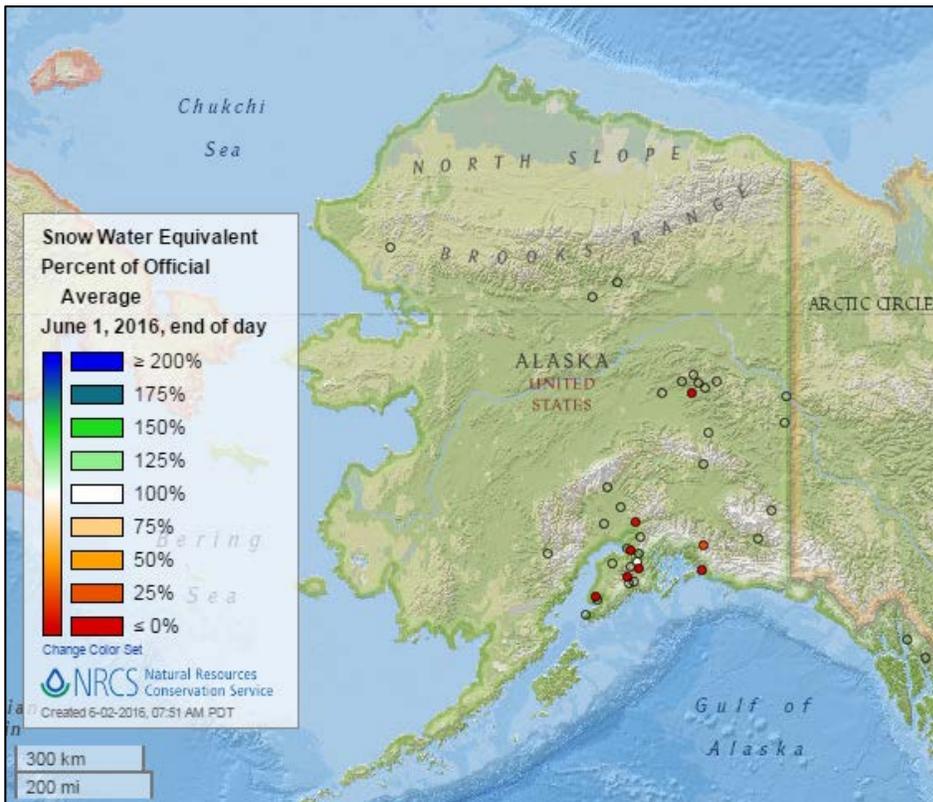
Current Snow Water Equivalent, NRCS SNOTEL Network



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

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

Stations with no fill have melted out for the season, or are not reporting at this time.

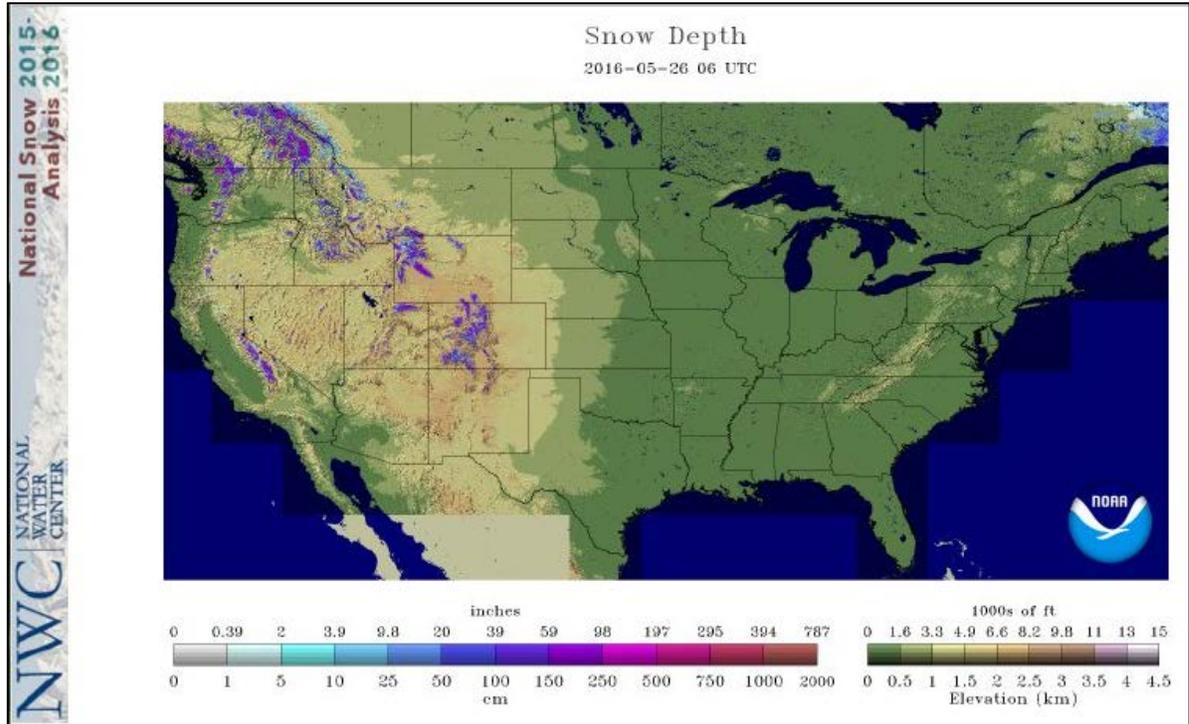


[Alaska current snow water equivalent percent of median map](#)

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

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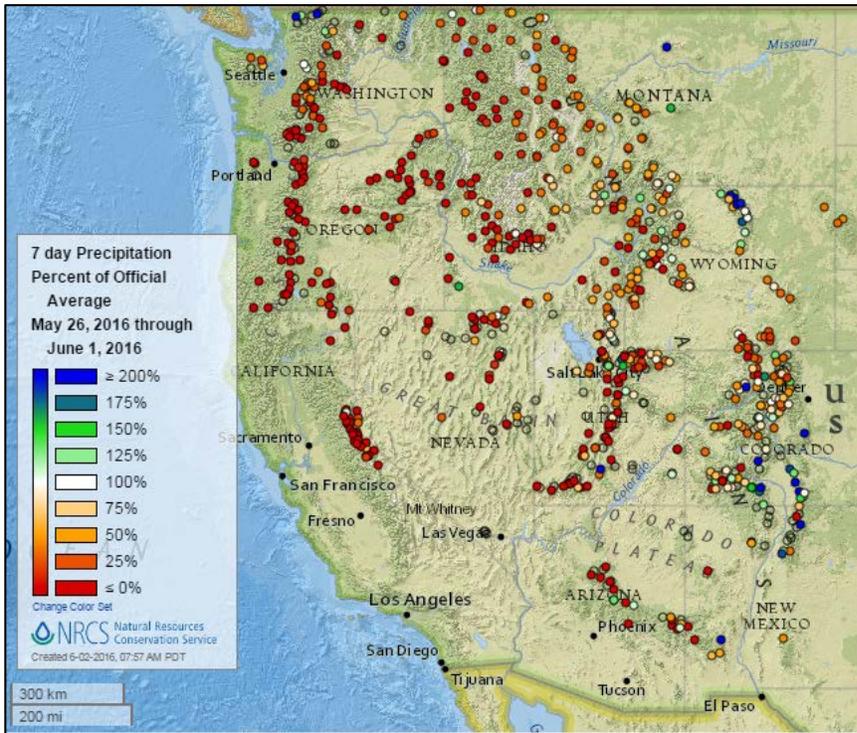
Current Snow Depth, National Weather Service (NWS) Networks



[NOAA National Operation Hydrologic Remote Sensing Center current snow depth map](#)

Precipitation

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

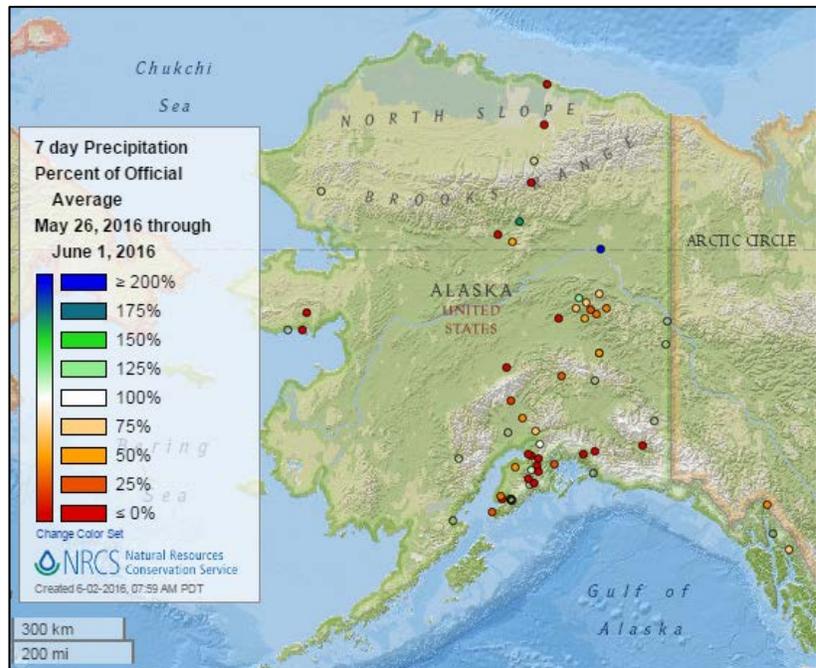


[7-day precipitation percent of average map](#)

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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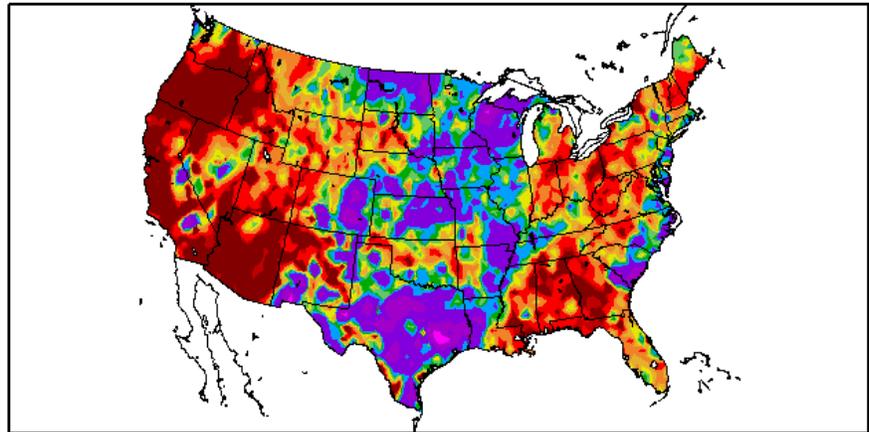
Last 7 Days, National Weather Service (NWS) Networks

Source: Regional Climate Centers

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

Percent of Normal Precipitation (%)
5/26/2016 – 6/1/2016

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



Generated 6/2/2016 at HPRCC using provisional data.

Regional Climate Centers

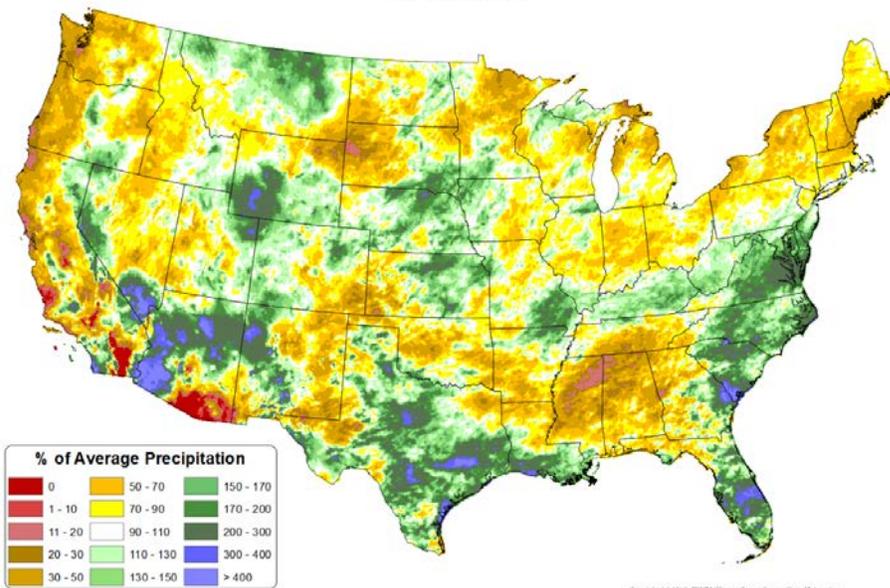
Previous Month, All Available Data Including SNOTEL and NWS Networks

Source: PRISM

Total Precipitation Anomaly: 01 May 2016 - 31 May 2016
Period ending 7 AM EST 31 May 2016
Base period: 1961-2010
Map created 01 Jun 2016

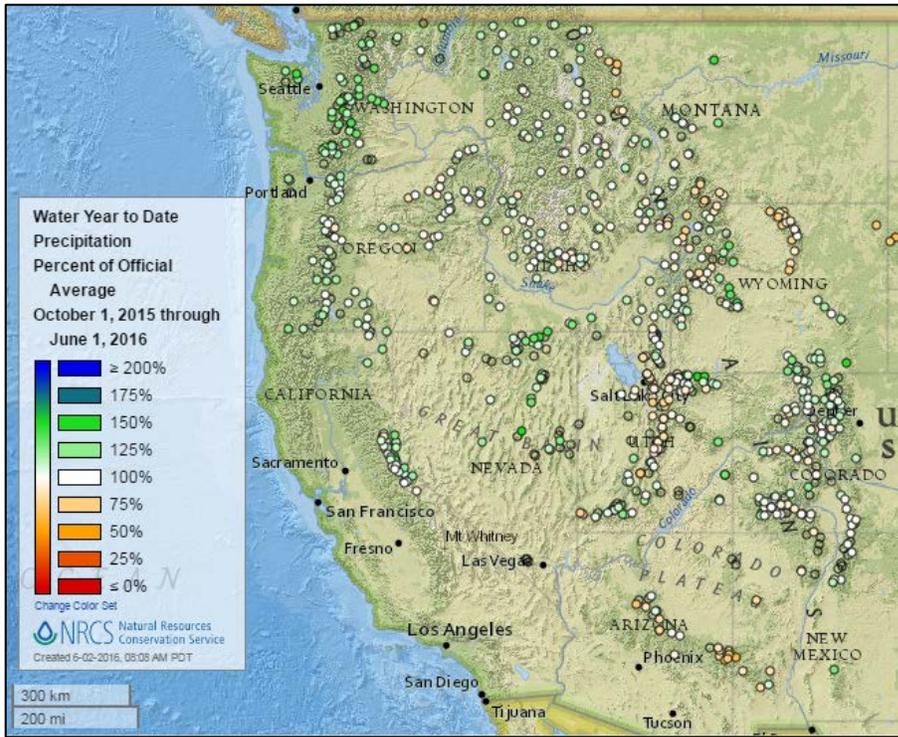
[May national precipitation percent of average map](#)

See also: [May national total precipitation values \(inches\) map](#)



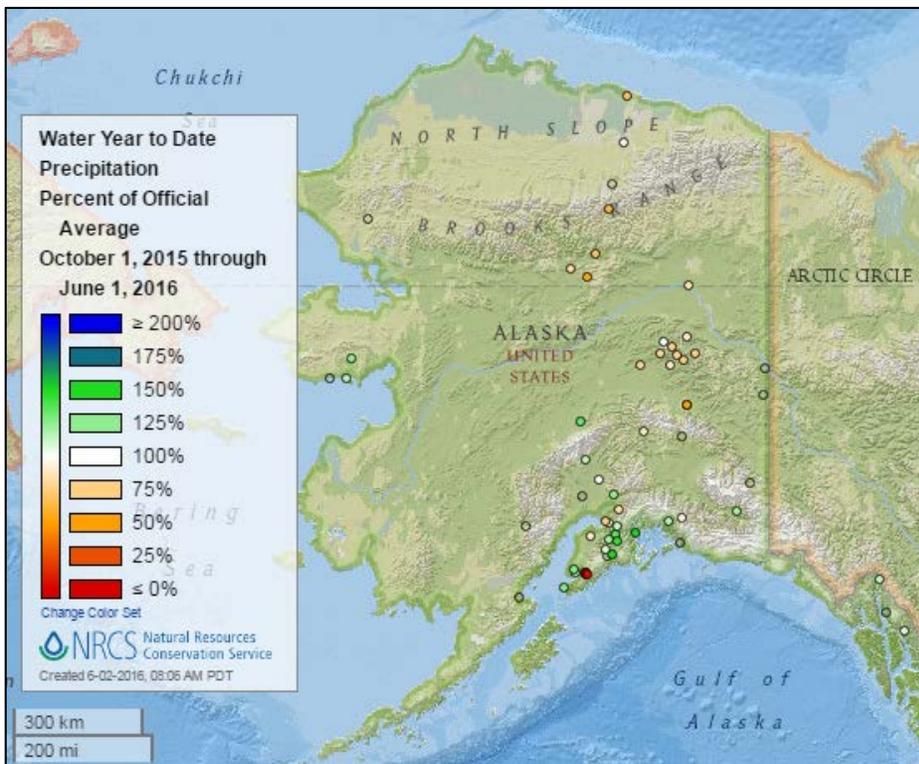
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Water Year-to-Date, Western Mountain Sites (NRCS SNOTEL Network)



[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

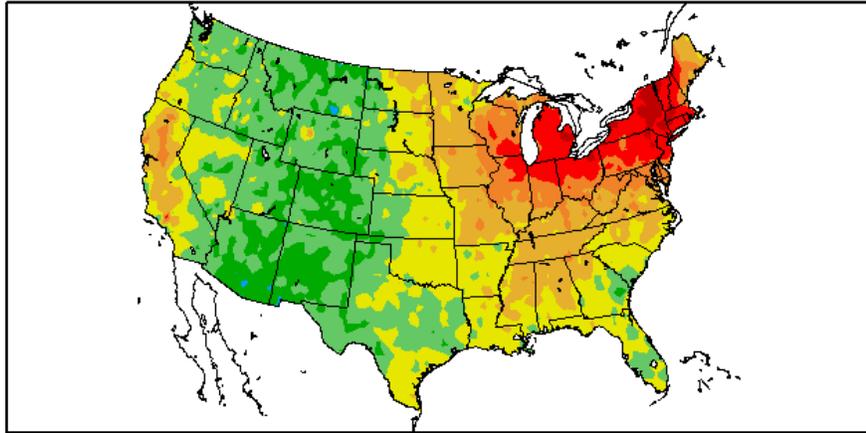
Last 7 Days, National Weather Service (NWS) Networks

Source: Regional Climate Centers

[7-day temperature anomaly map](#)

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

Departure from Normal Temperature (F)
5/26/2016 – 6/1/2016



Generated 6/2/2016 at HPRCC using provisional data.

Regional Climate Centers

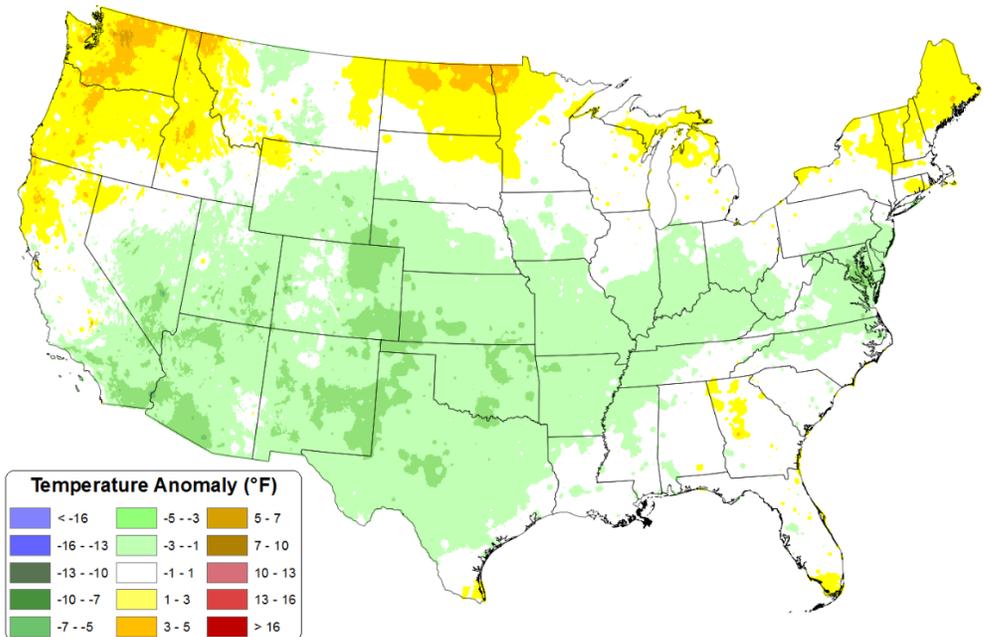
Previous Month, All Available Data Including SNOTEL and NWS Networks

Source: PRISM

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

See also: [May national daily mean temperature \(° F\) map](#)

Daily Mean Temperature Anomaly: 01 May 2016 - 31 May 2016
Period ending 7 AM EST 31 May 2016
Base period: 1981-2010
(Map created 01 Jun 2016)



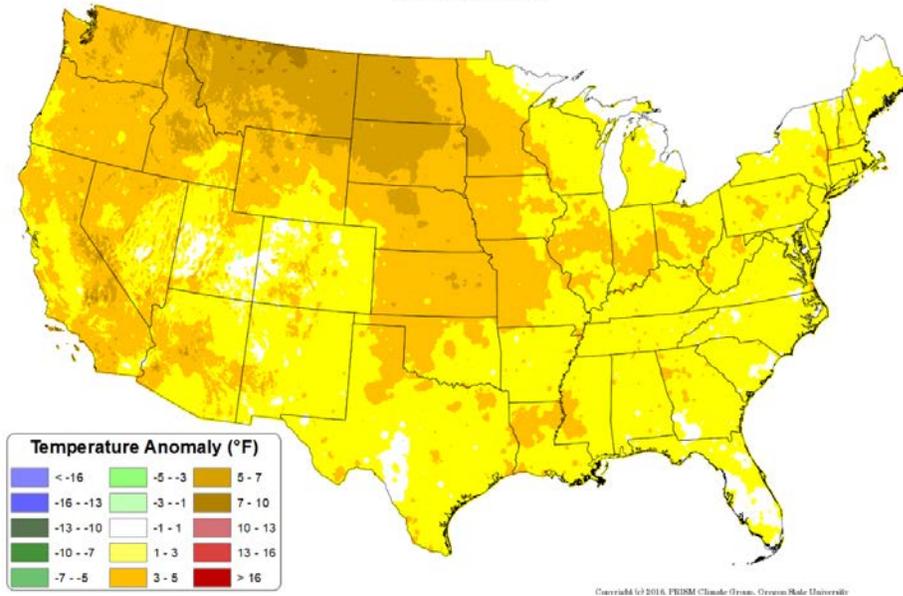
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Last 3 Months, All Available Data Including SNOTEL and NWS Networks

Source: PRISM

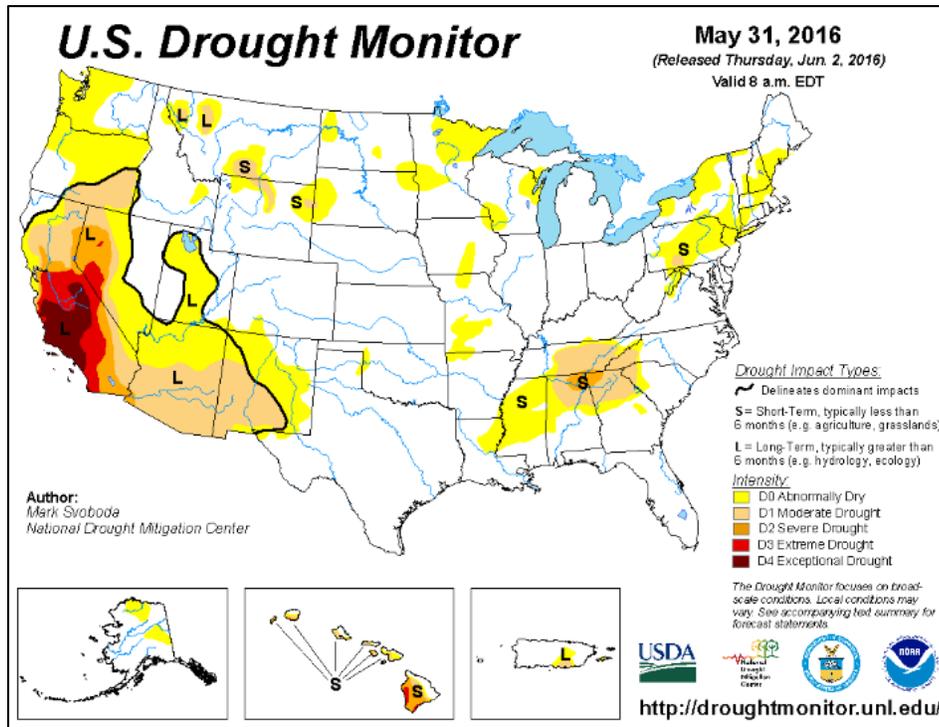
Daily Mean Temperature Anomaly: February 2016 - April 2016
Period ending 7 AM EST 30 Apr 2016
Base period: 1981-2010
(Map created 24 May 2016)

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



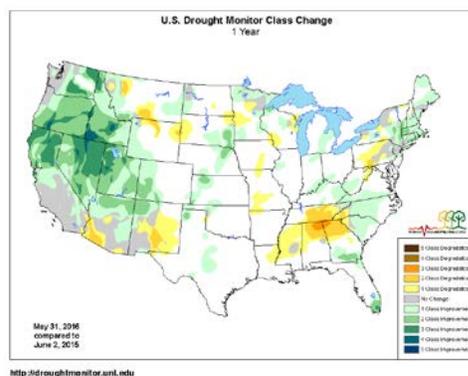
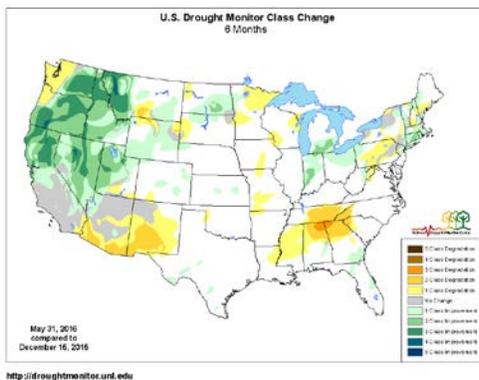
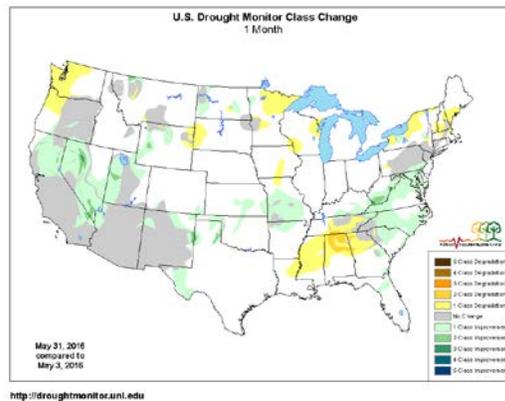
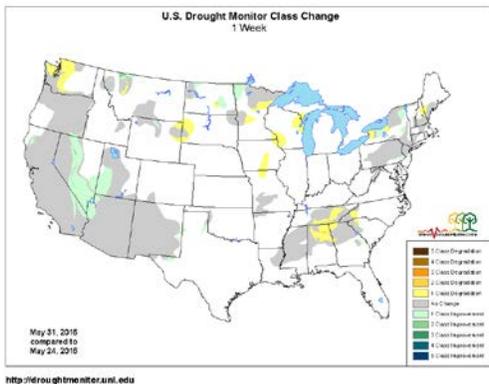
Drought

[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



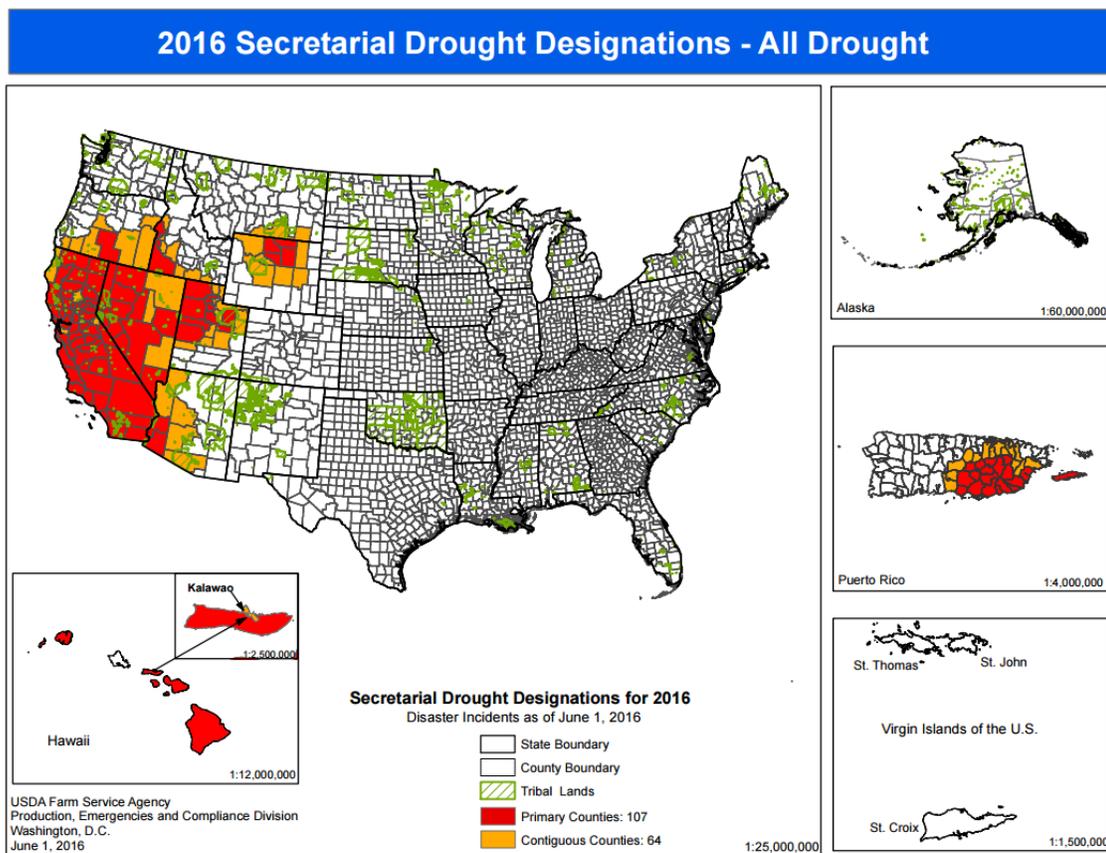
[Changes in drought conditions over the last 12 months](#)

Current National [Drought Summary](#), May 31, 2016

Author: Mark Svoboda, National Drought Mitigation Center

“The past week’s weather brought about a mixed bag of changes to the U.S. Drought Monitor map, with expansion of dryness and/or drought noted in the Northeast, Southeast, upper Great Lakes, northern Plains and Pacific Northwest. The most notable expansions this week are the advancement of D0 across the northern Cascades in Washington up to the Canadian border and the expansion of D0-D1 and a new area of D2 in the Southeast centered over northern Georgia, northern Alabama and southern Tennessee. For the most part, unseasonably warm temperatures were found east of the Rocky Mountains (with the exception being California), particularly in the Midwest, Upper Great Lakes and Northeast, where readings ran 5-15 degrees above the norm. On the other side of the spectrum, cooler-than-normal temperatures were observed across much of the West as Mother Nature always seems to find a way to balance the scales.”

USDA 2016 Secretarial [Drought Designations](#)

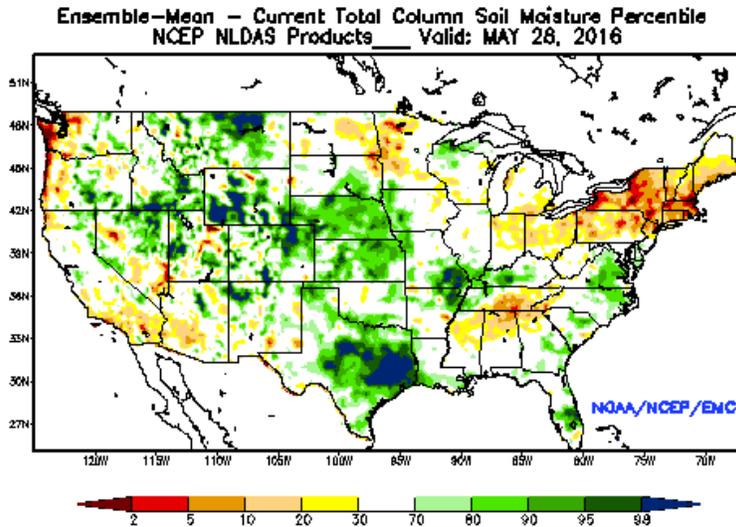


Highlighted Drought Resources

- [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](#)

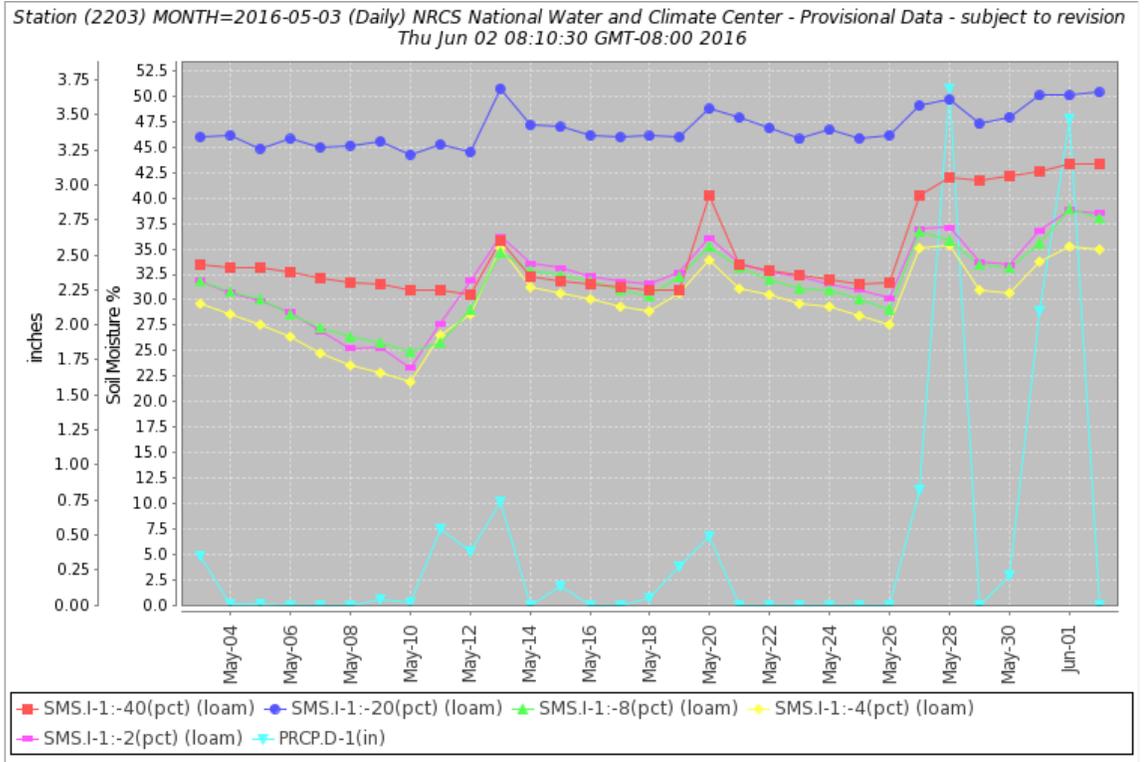
Other Climatic and Water Supply Indicators

Soil Moisture



[Modeled soil moisture percentiles](#) as of May 28, 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 [Stephenville SCAN site 2203](#) in Texas. The precipitation events during the month increased soil moisture at all sensor levels.

Soil Moisture Data Portals

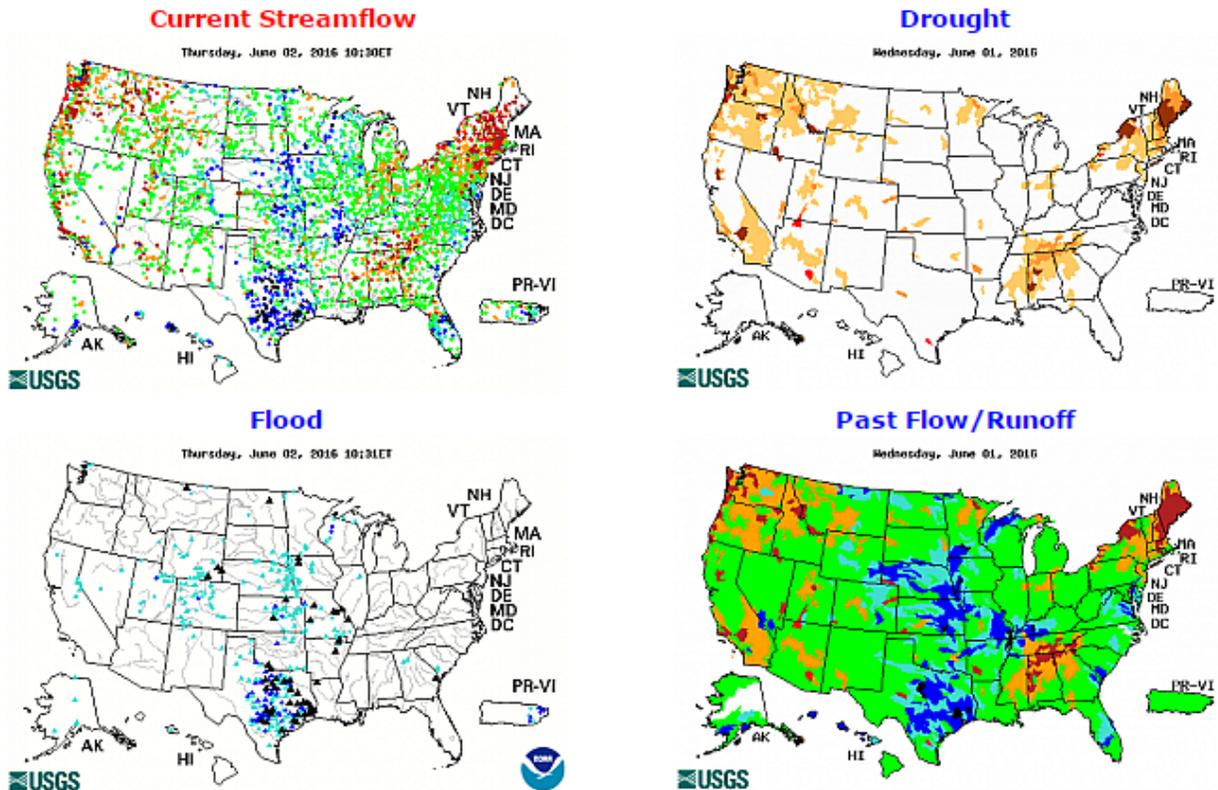
[CRN Soil Moisture](#)

[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](#)

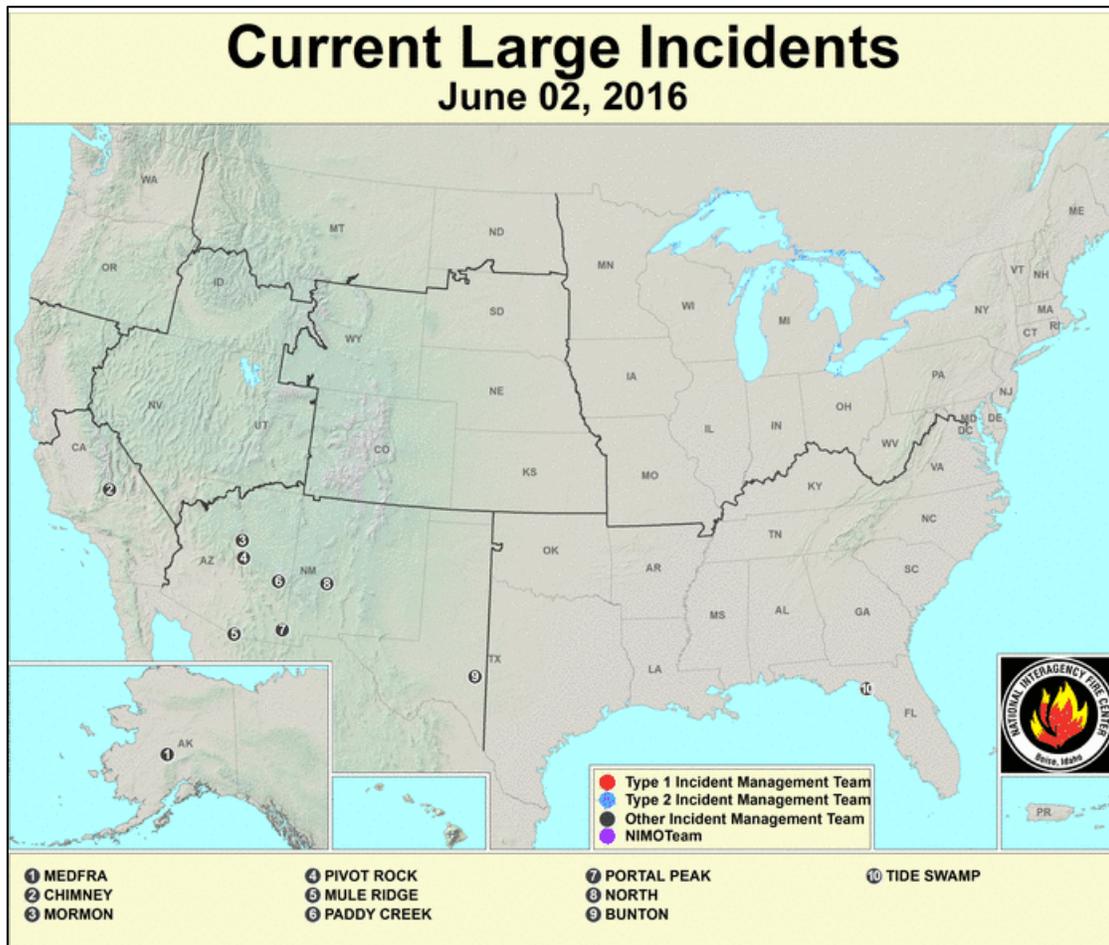
[Pacific Northwest/Snake/Columbia](#)

[Sevier River Water, Utah](#)

[Upper Missouri, Kansas, Oklahoma, Texas](#)

[California Reservoir Conditions](#)

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



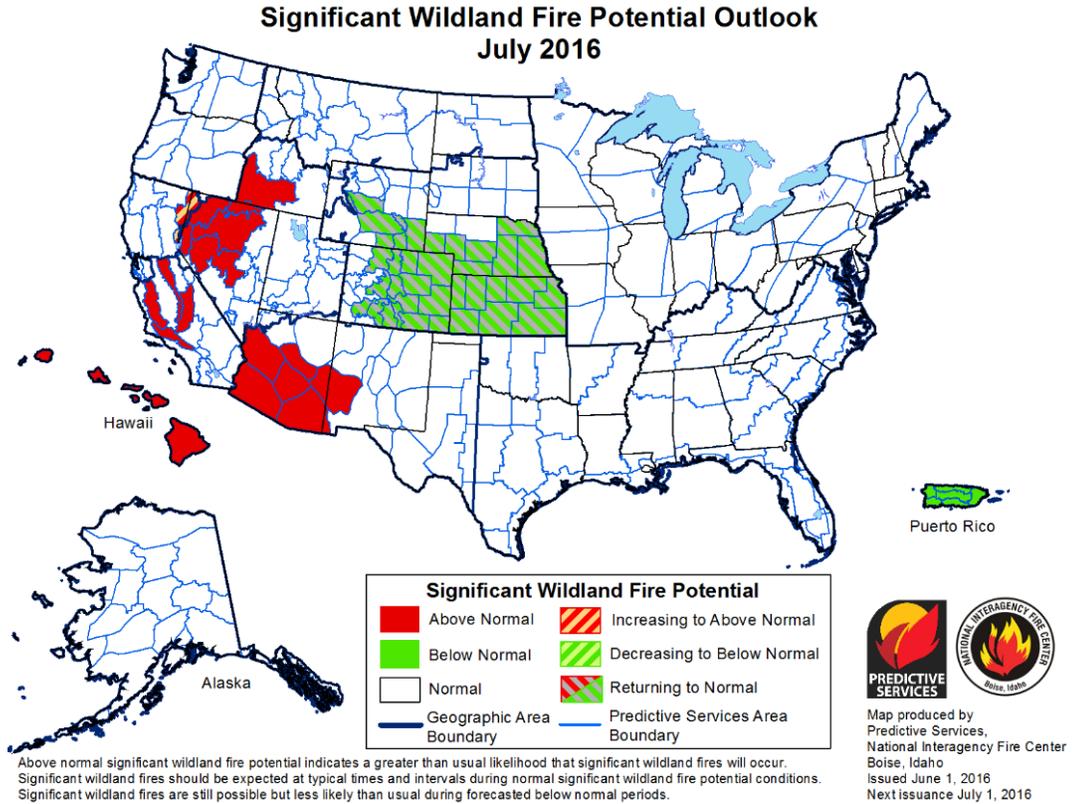
Short- and Long-Range Outlooks

Agricultural Weather Highlights

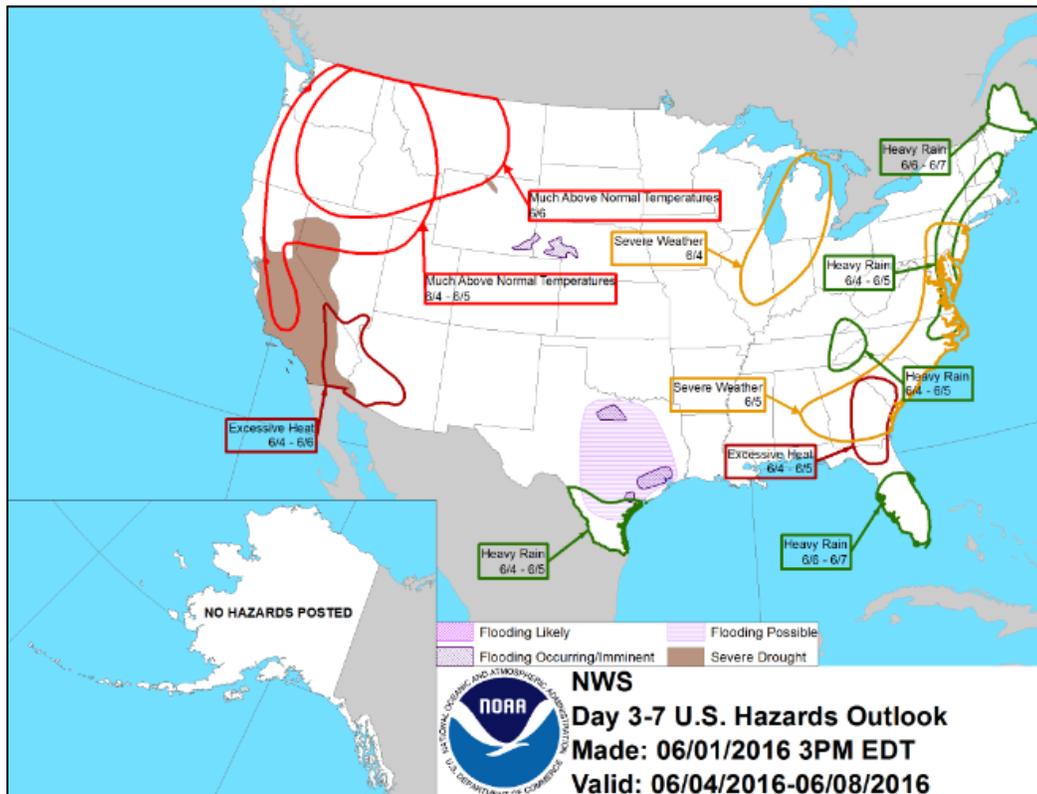
Author: Brad Rippey, Agricultural Meteorologist, USDA/OCE/WAOB

[National Outlook, June 2, 2016](#): “Locally heavy showers and thunderstorms will continue in central, southern, and eastern Texas through Saturday, leading to the likelihood of additional flooding. Three-day rainfall totals in Texas could reach 2 to 6 inches. Meanwhile, scattered Southern and Eastern showers could total 1 to 3 inches, with some of the heaviest rain expected in the central Gulf Coast region on Friday; the Tennessee Valley on Saturday; and the Northeast on Sunday. Parts of the upper Great Lakes region could receive late-week rainfall of 1 to 2 inches. By early next week, heavy showers may affect Florida’s peninsula, while mostly dry weather should prevail in the western and central U.S. Meanwhile, Western heat will build eastward across the High Plains, while generally cooler-than-normal conditions will cover the eastern half of the U.S. The NWS 6- to 10-day outlook for June 7 – 11 calls for the likelihood of above-normal temperatures in the Southeast and from the Pacific Coast to the middle and upper Mississippi Valley, while cooler-than-normal conditions will be limited to southern Texas and the northeastern U.S. Meanwhile, near- to below-normal rainfall across most of the country will contrast with wetter-than-normal weather in northern New England, southern Florida, and the Northwest.”

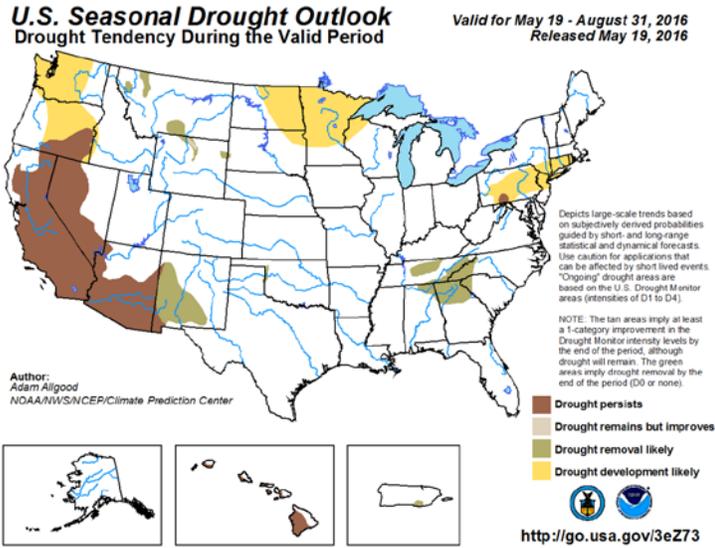
Fire Potential Outlook: [July 2016](#)



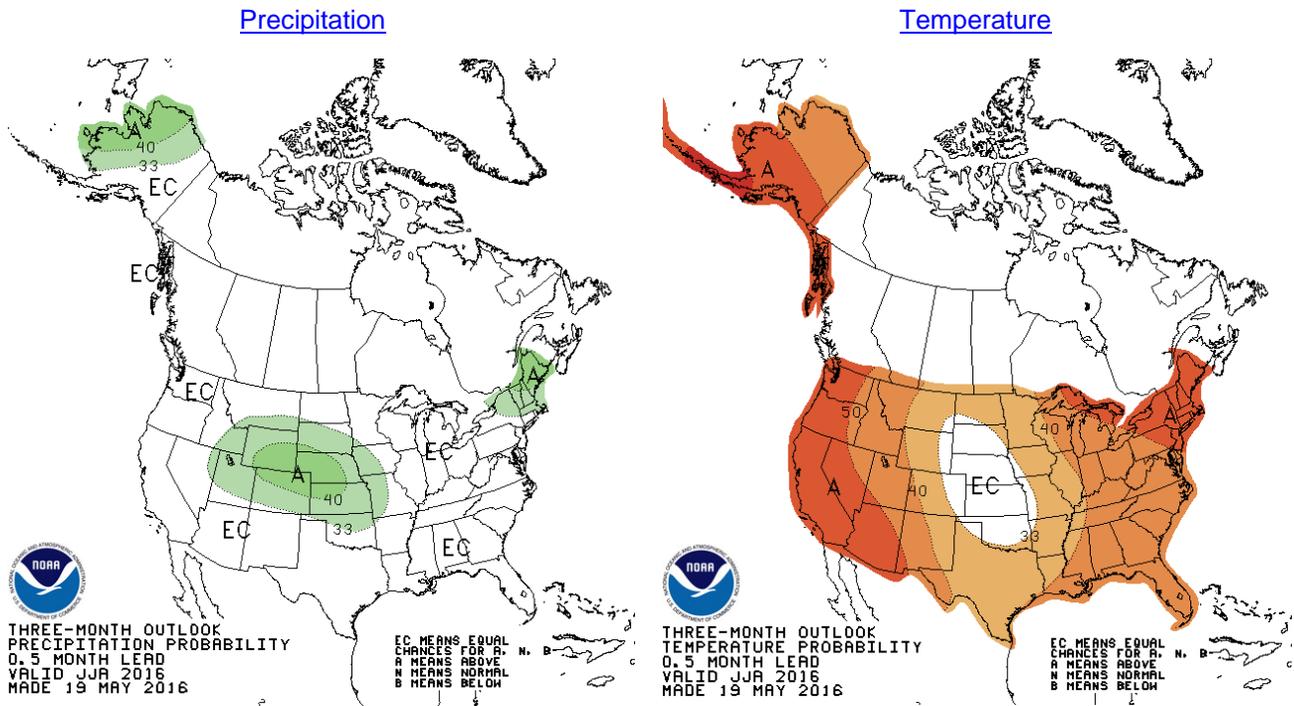
NWS Climate Prediction Center Weather Hazard Outlook: [June 4 – 8, 2016](#)



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



NWS Climate Prediction Center 3-Month Outlook



[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](#).