

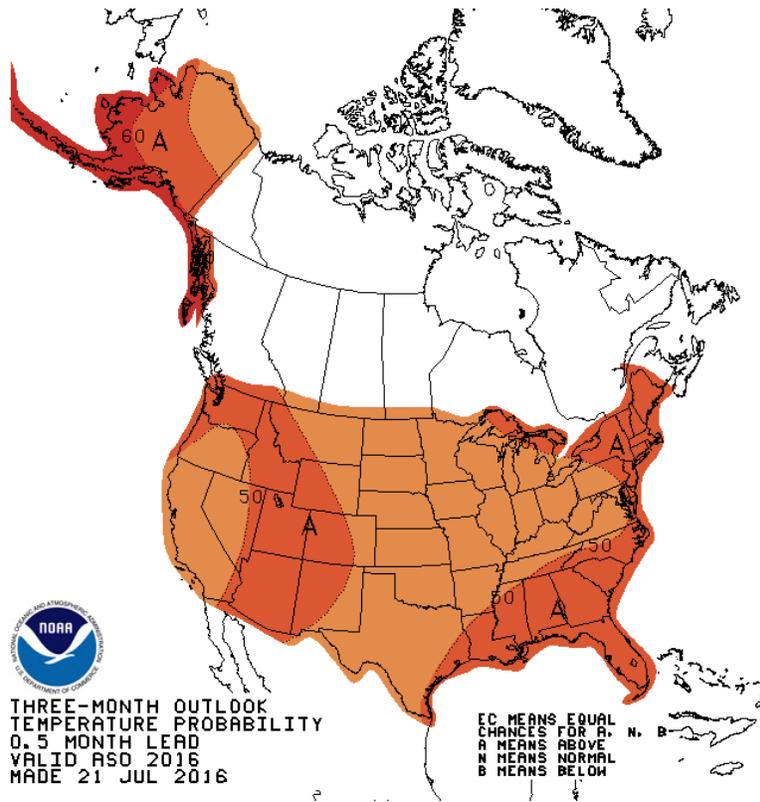
Water and Climate Update

August 4, 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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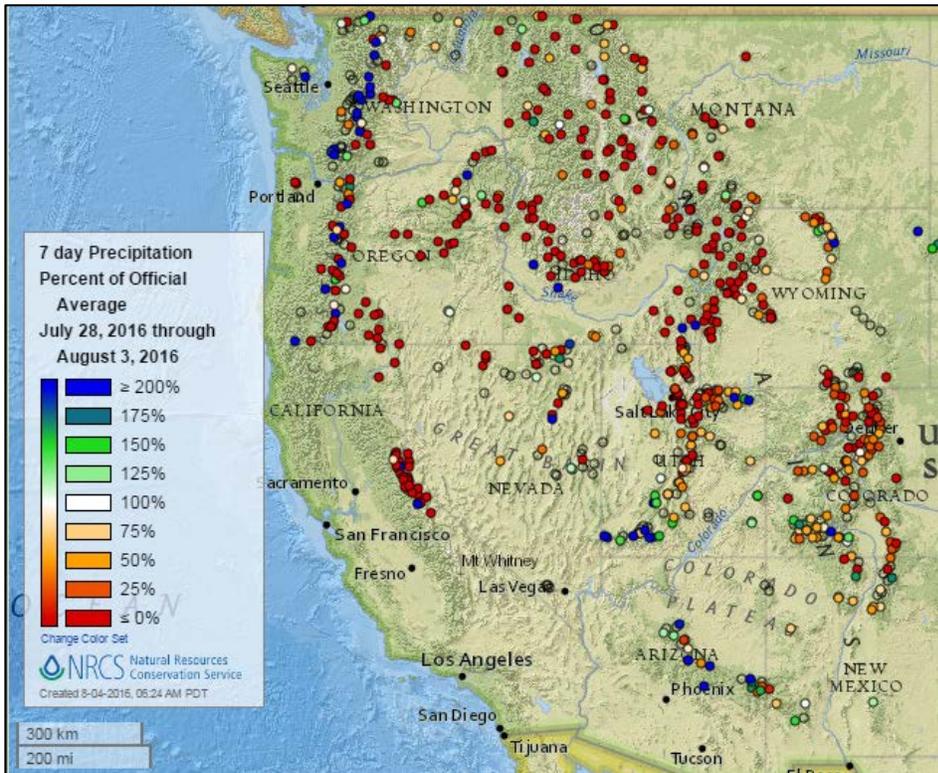
Warmer than normal temperatures the next three months forecast for entire U.S.



The new outlook for the U.S. shows the entire forecast area has a higher probability of above normal temperatures in the coming three months. According to NOAA’s Climate Prediction Center: “The August-September-October 2016 temperature outlook indicates increased probabilities of above normal temperatures across the entire forecast domain, although probabilities are tempered in areas to the west of the Rocky Mountains, across the Great Plains, and through the Ohio Valley. The highest probabilities for above normal temperatures are forecast across southern Alaska, the Aleutian Islands, and the Alaska panhandle.” [CPC Summary](#)

Precipitation

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

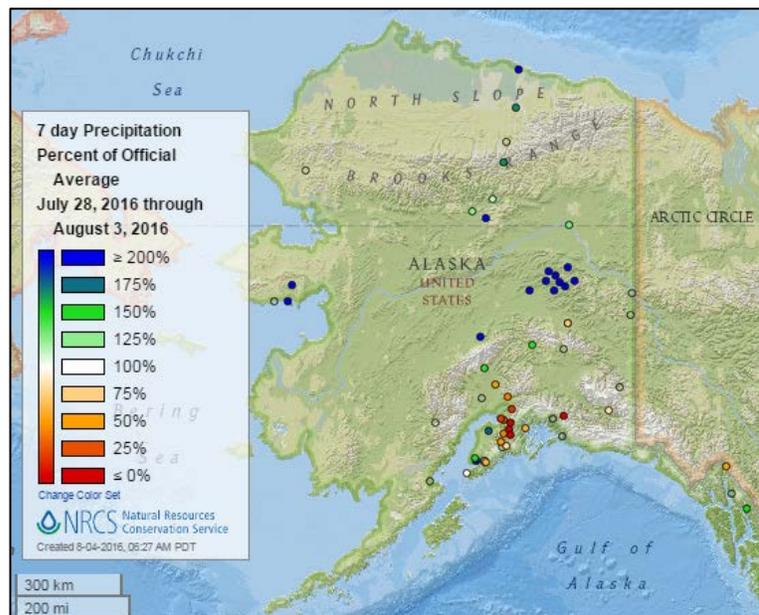


[7-day precipitation percent of average map](#)

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

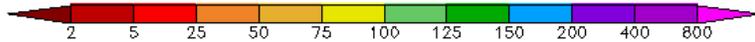
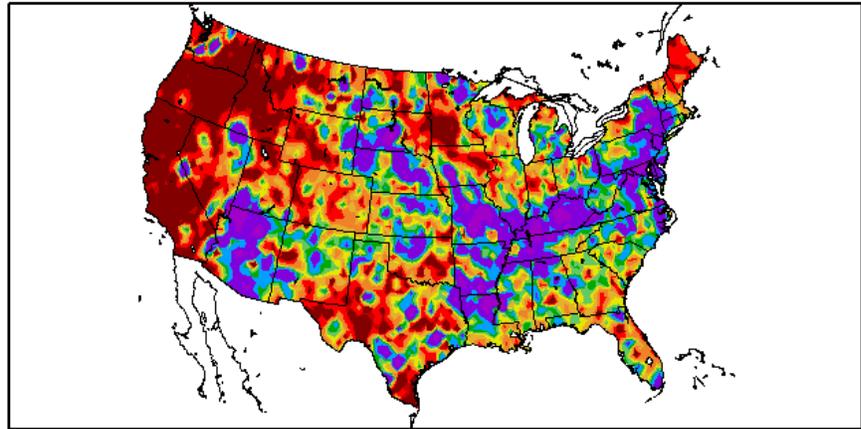
Last 7 Days, National Weather Service (NWS) Networks

Source: Regional Climate Centers

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

Percent of Normal Precipitation (%)
7/28/2016 – 8/3/2016

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



Generated 8/4/2016 at HPRCC using provisional data.

Regional Climate Centers

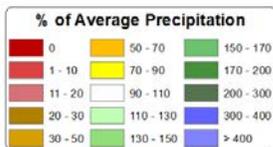
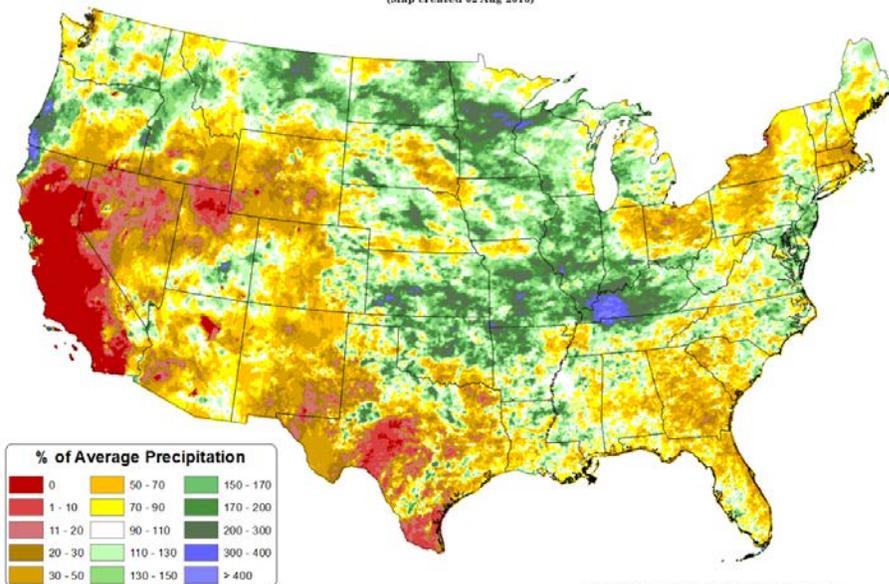
Previous Month, All Available Data Including SNOTEL and NWS Networks

Source: PRISM

Total Precipitation Anomaly: July 2016
Period ending 31 Jul 2016
Base period: 1981-2010
(Map created 02 Aug 2016)

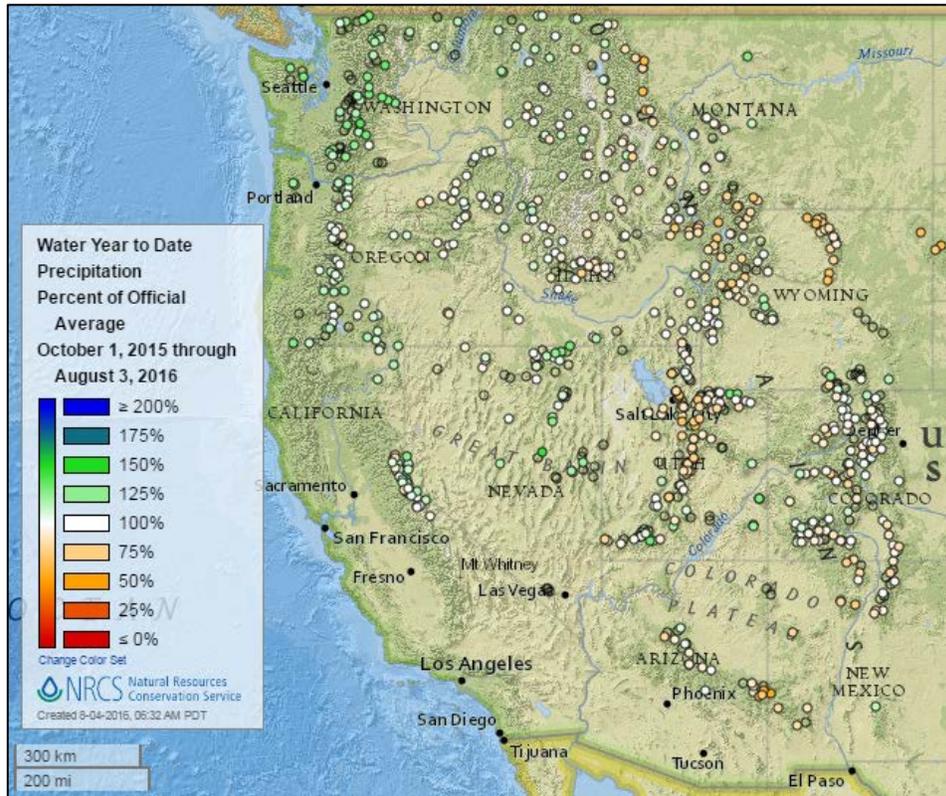
[Previous month national precipitation percent of average map](#)

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



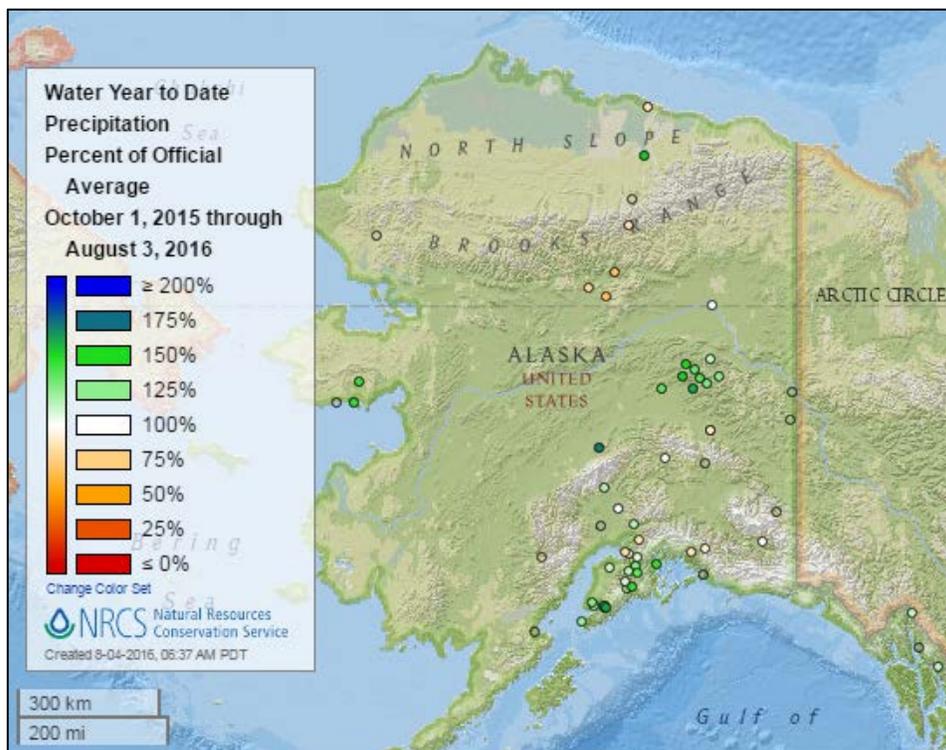
Copyright © 2016, PRISM Climate Group, Oregon State University

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

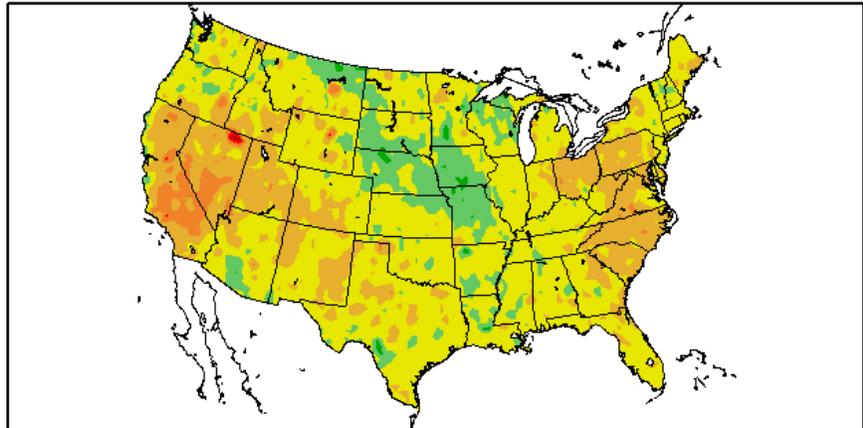
Last 7 Days, National Weather Service (NWS) Networks

Source: Regional Climate Centers

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

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

Departure from Normal Temperature (F)
7/28/2016 – 8/3/2016



Generated 8/4/2016 at HPRCC using provisional data.

Regional Climate Centers

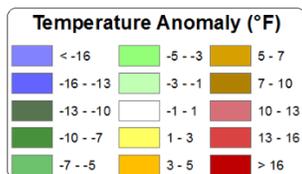
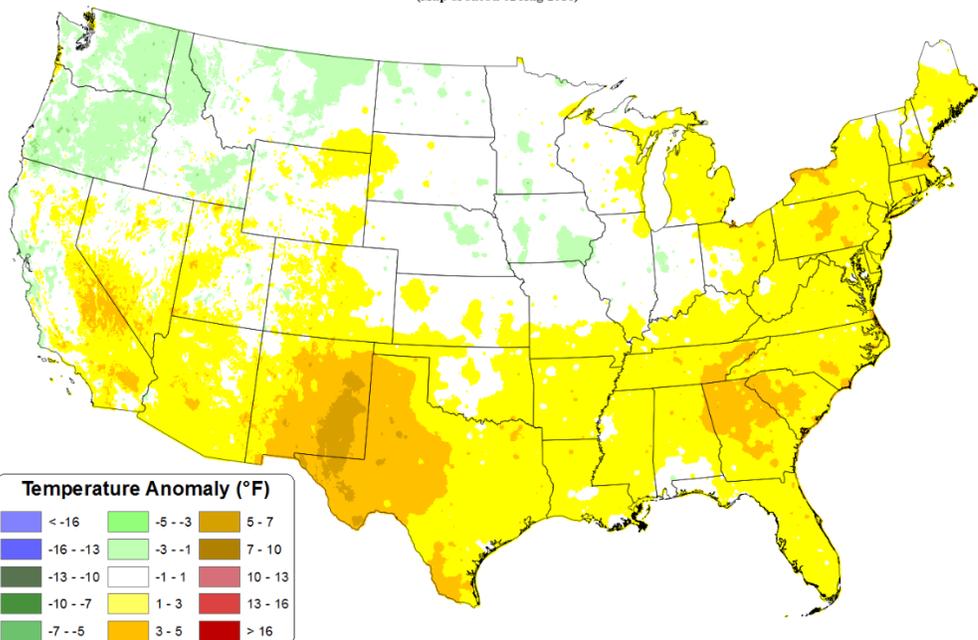
Previous Month, All Available Data Including SNOTEL and NWS Networks
PRISM

Source:

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

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

Daily Mean Temperature Anomaly: July 2016
Period ending 7 AM EST 31 Jul 2016
Base period: 1981-2010
(Map created 02 Aug 2016)



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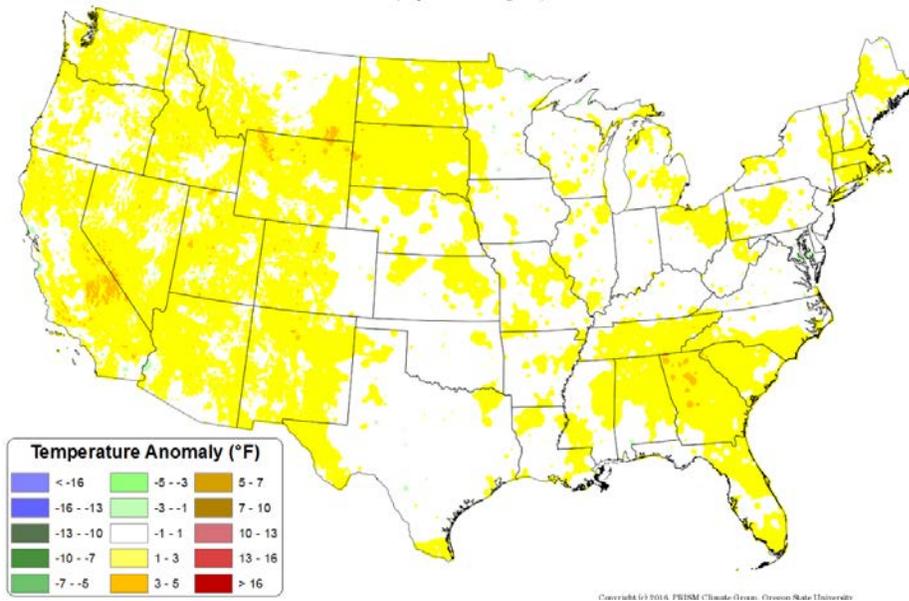
Water and Climate Update

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

Source: PRISM

Daily Mean Temperature Anomaly: May 2016 - July 2016
Period ending 7 AM EST 31 Jul 2016
Base period: 1951-2010
(Map created 02 Aug 2016)

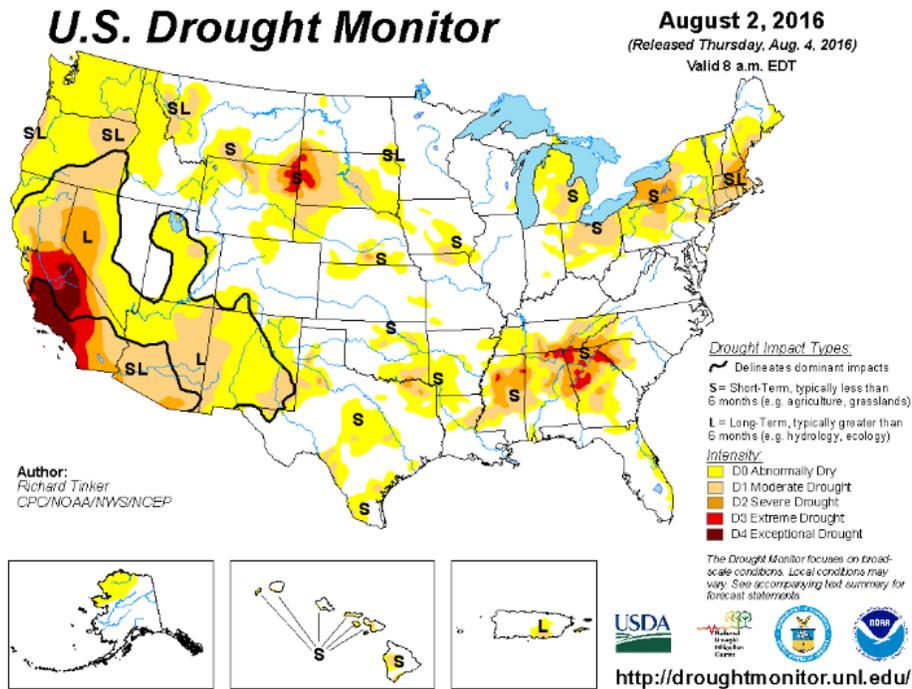
[May through July daily mean temperature anomaly map](#)



Drought

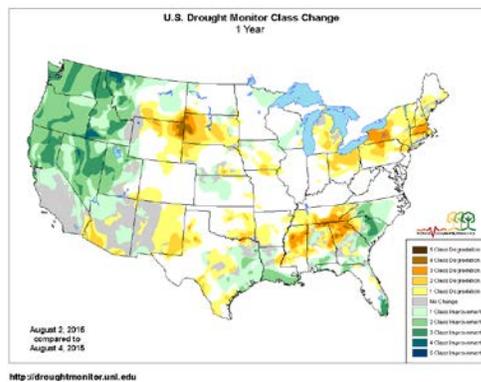
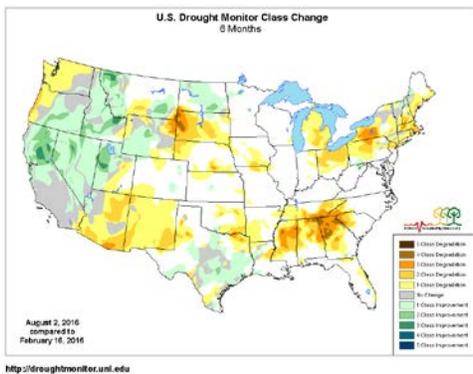
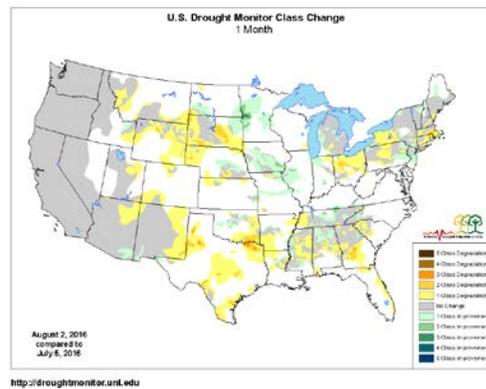
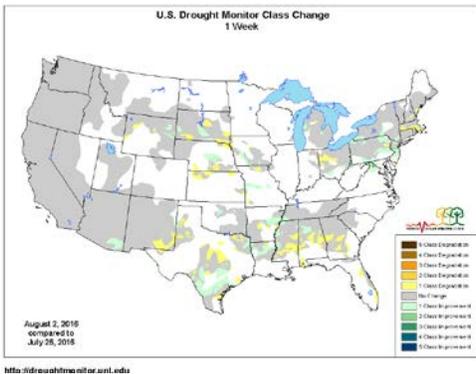
[U.S. Drought Monitor](#) See map below.

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



Changes in Drought Monitor Categories over Time

Click any map to enlarge



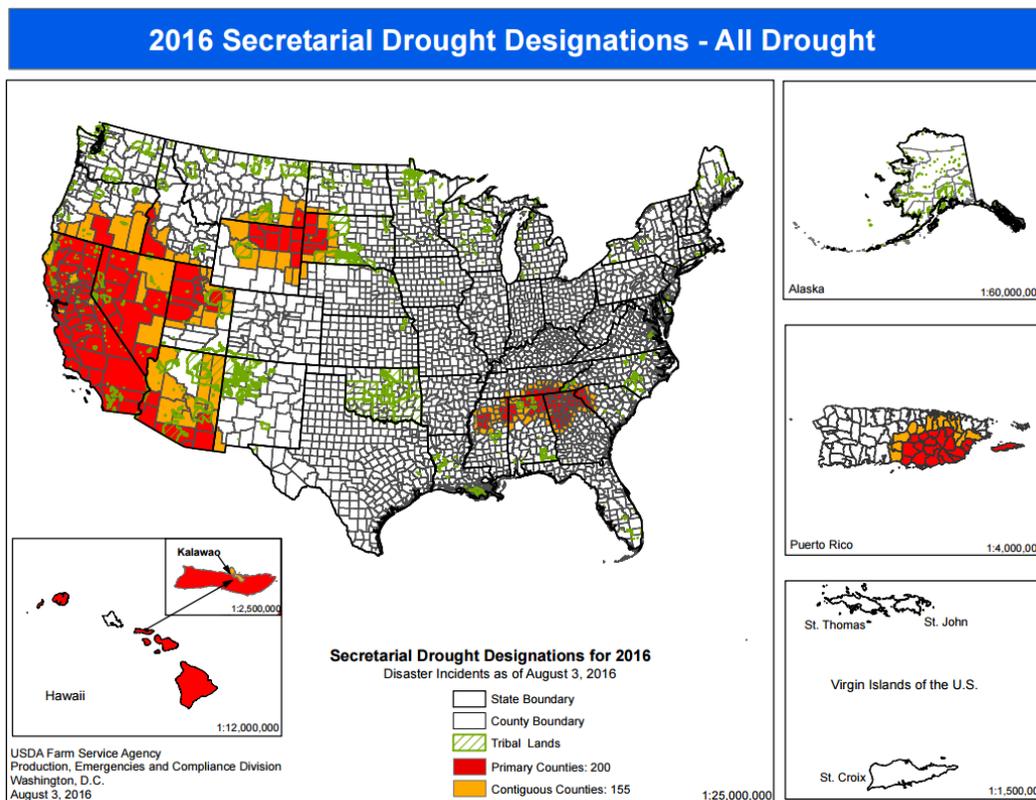
[Changes in drought conditions over the last 12 months](#)

Current National [Drought Summary](#), August 2, 2016

Author: Richard Tinker, NOAA/NWS/NCEP/CPC

“Shower and thunderstorm activity was scattered across much of the eastern two-thirds of the country, but in most places, moderate to heavy precipitation was not widespread enough to bring significant drought relief. Some exceptions included southwest New England and the lower Northeast, the central Appalachians and Piedmont, the lower Mississippi Valley, parts of the central Great Plains, the Black Hills and adjacent areas, southeast Arizona, and Hawaii. Heavy rains in the latter area were primarily associated with Tropical Storm Darby.”

USDA 2016 Secretarial [Drought Designations](#)

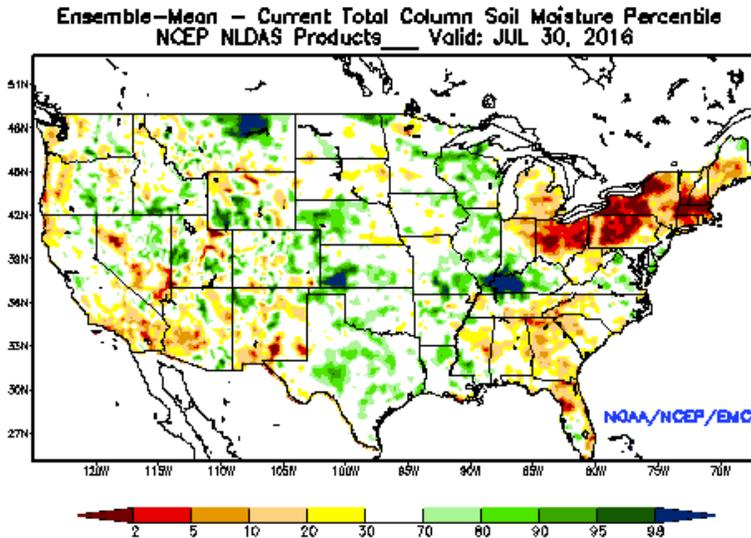


Highlighted Drought Resources

- [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](#)

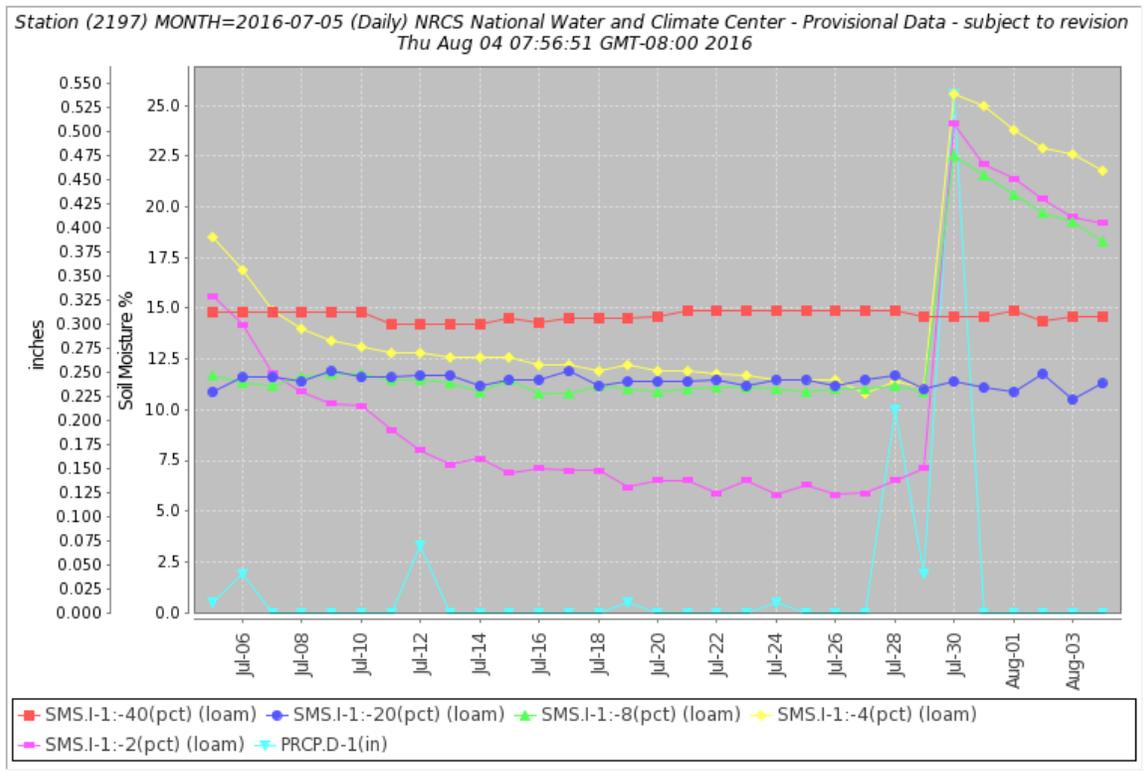
Other Climatic and Water Supply Indicators

Soil Moisture



[Modeled soil moisture percentiles](#) as of July 30, 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 [CPER SCAN site 2197](#) in Colorado. The precipitation events at the end of July have increased soil moisture at the 2-, 4-, and 8-inch depth sensors. The deeper sensors at 20- and 40-inches show little change during this period.

Soil Moisture Data Portals

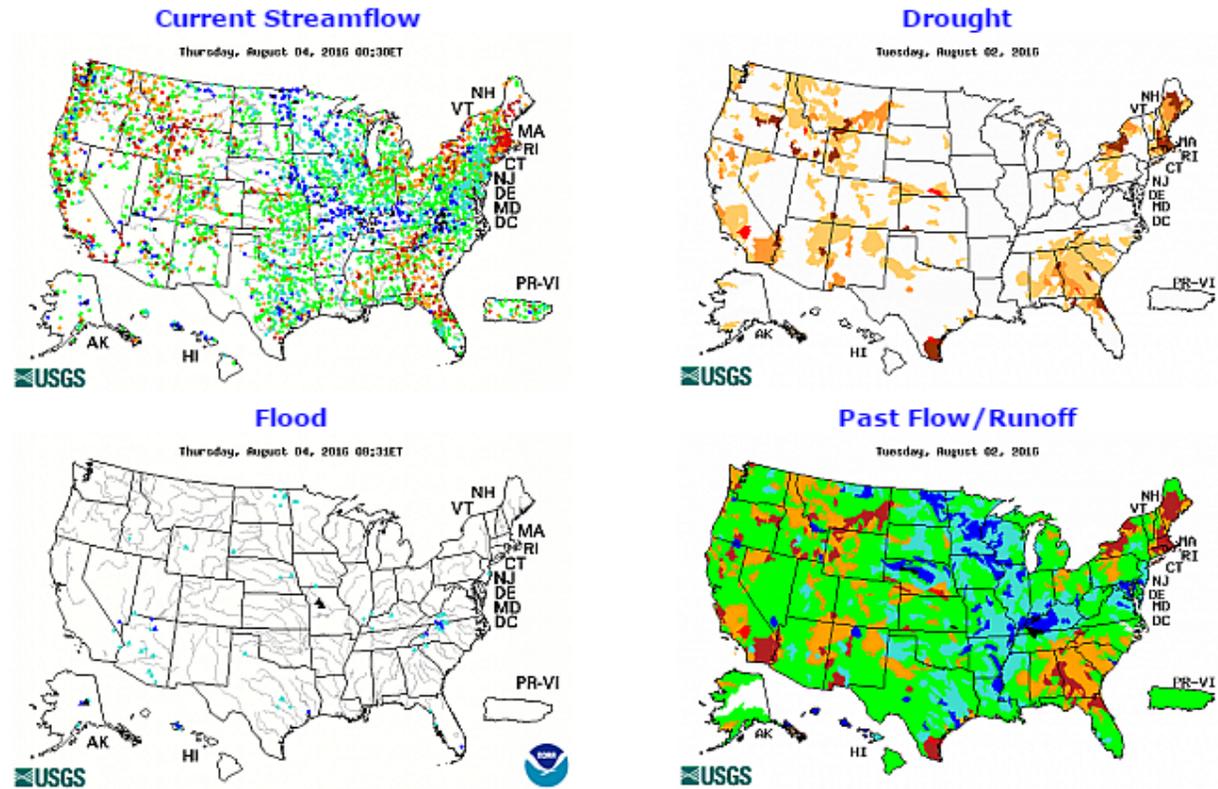
[CRN Soil Moisture](#)

[Texas A&M University North American Soil Moisture Database](#)

[University of Washington Experimental Modeled Soil Moisture](#)

Streamflow

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](#)

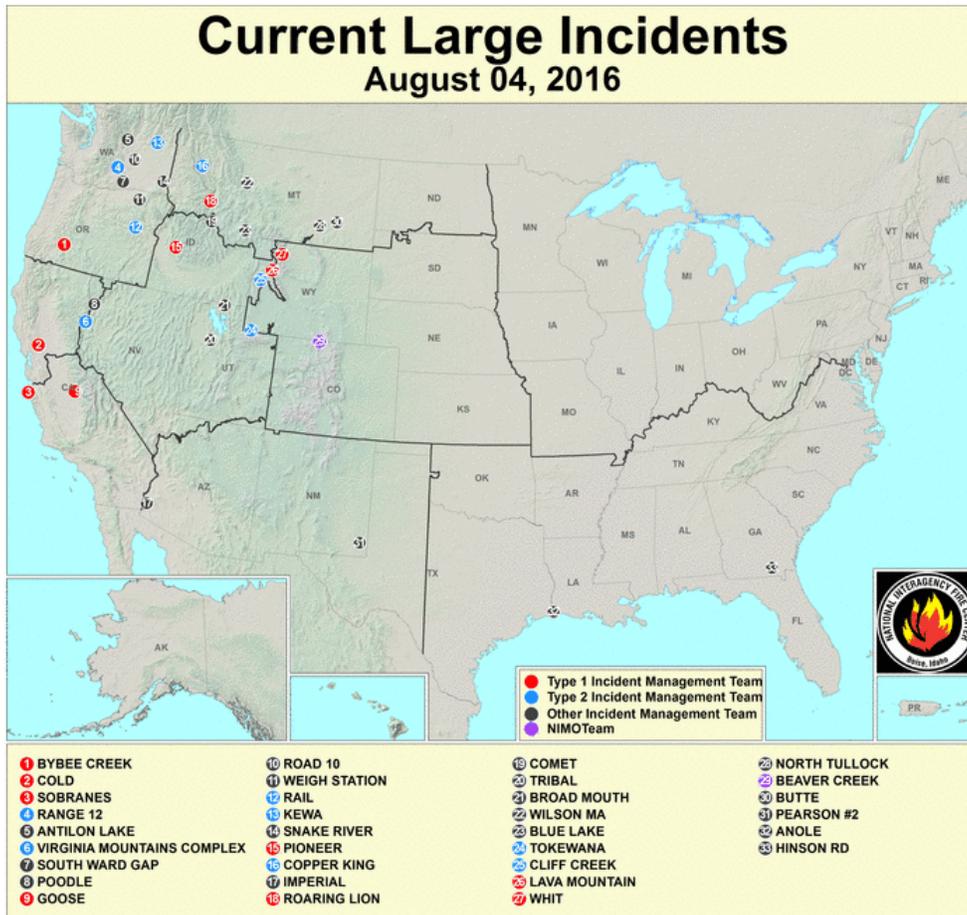
[Pacific Northwest/Snake/Columbia](#)

[Sevier River Water, Utah](#)

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

[California Reservoir Conditions](#)

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



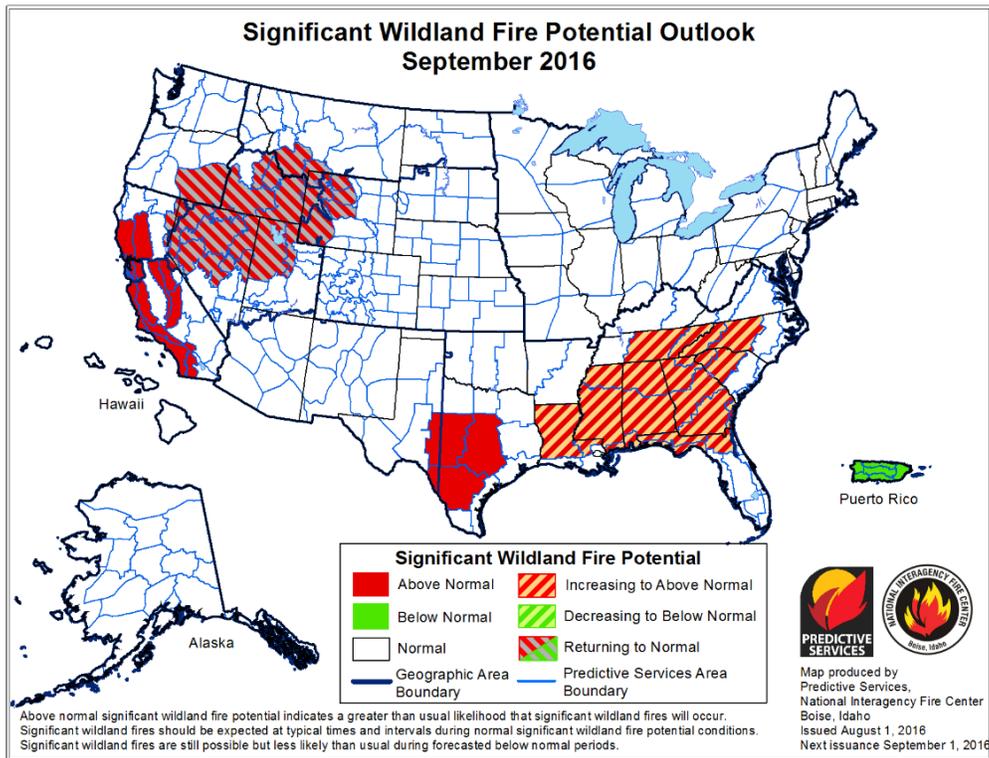
Short- and Long-Range Outlooks

Agricultural Weather Highlights

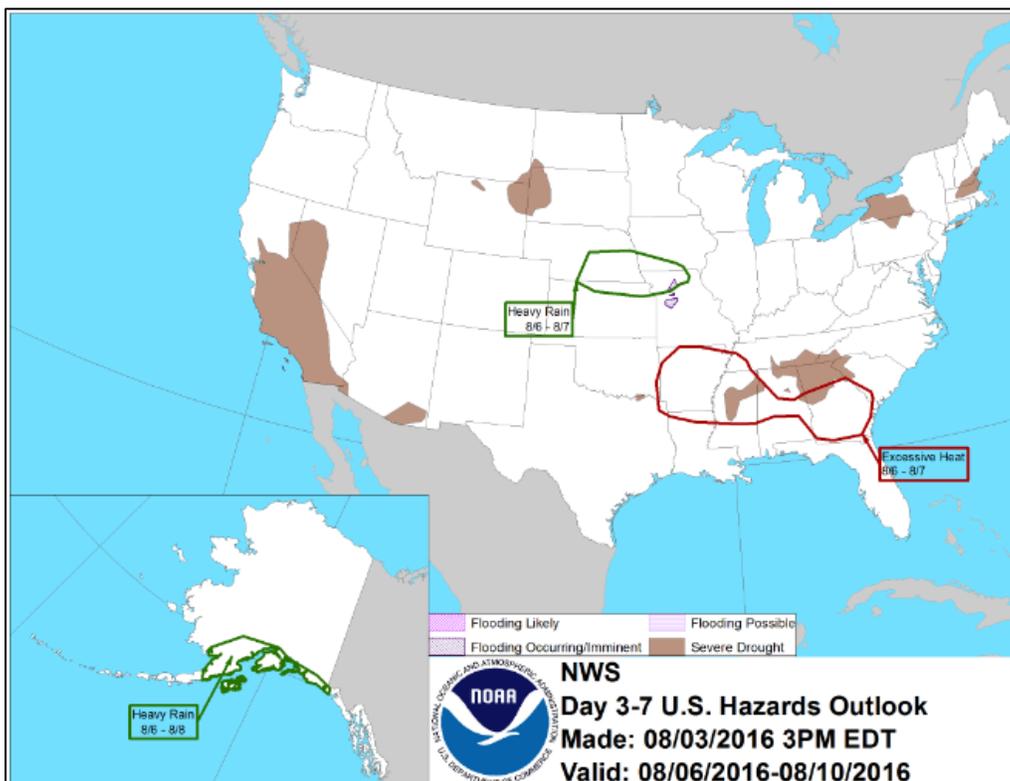
Author: Brad Rippey, Agricultural Meteorologist, USDA/OCE/WAOB

[National Outlook, August 4, 2016](#): “Active weather will prevail during the next several days in the Southeast and Southwest, with 2- to 4-inch totals possible in portions of both regions. Five-day totals of up to 8 inches could occur along Florida’s Gulf coast. Meanwhile, some of the Southwestern showers will spill across the central Plains, where rainfall could reach 1 to 3 inches. Farther north, showers associated with a cold front will sweep across the nation’s northern tier, reaching the Northeast by August 5-6. In contrast, hot, dry weather will persist on the southern Plains. The NWS 6- to 10-day outlook for August 9 – 13 calls for above-normal temperatures along and east of a line from New Mexico to Minnesota, while cooler-than-normal conditions will cover much of the West. Meanwhile, near- to below-normal rainfall along the Atlantic Seaboard and from the Pacific Coast to the central and southern Plains will contrast with wetter-than-normal weather across the northern Plains and from the Mississippi Valley to the Appalachians.”

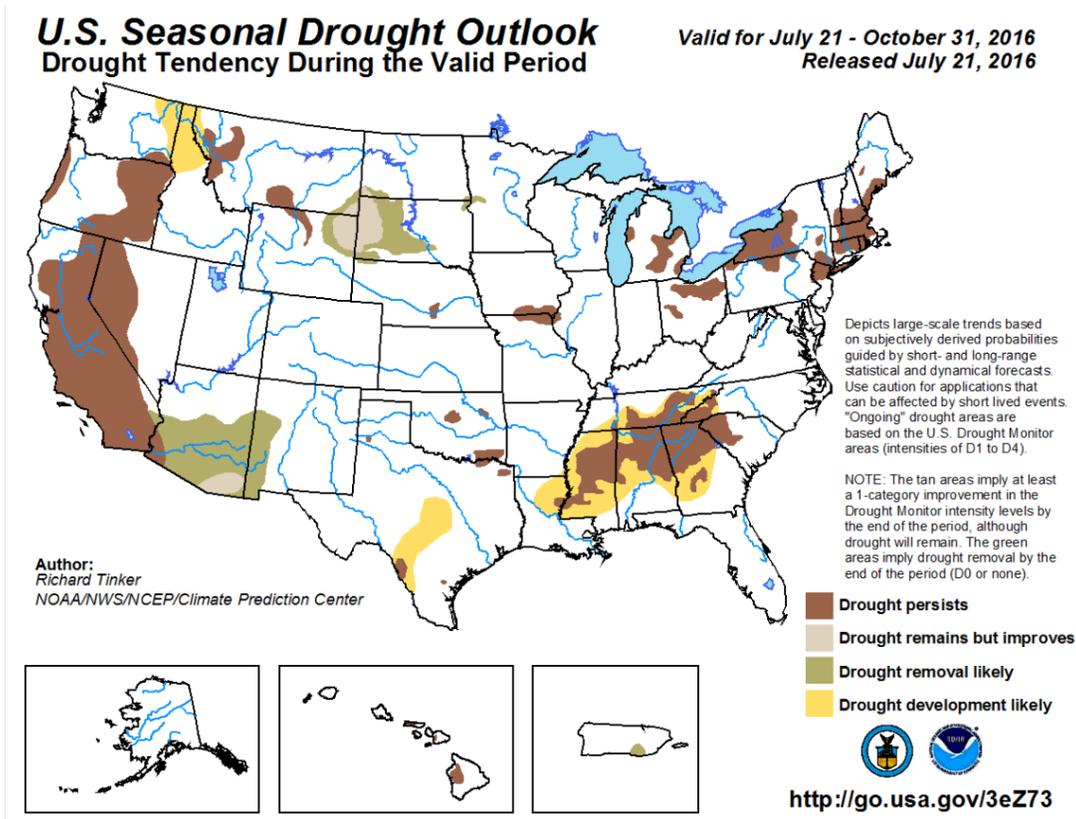
Fire Potential Outlook: [September 2016](#)



NWS Climate Prediction Center [Weather Hazard Outlook: August 6 – 10, 2016](#)

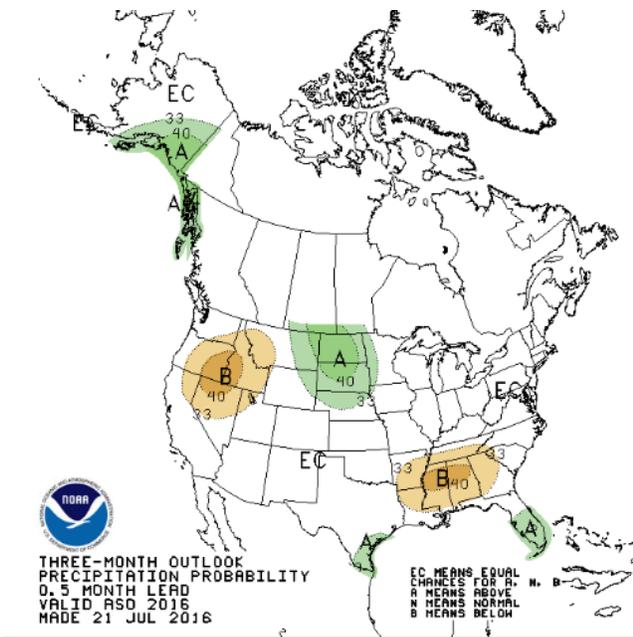


Seasonal Drought Outlook: [July 21 – October 31, 2016](#)



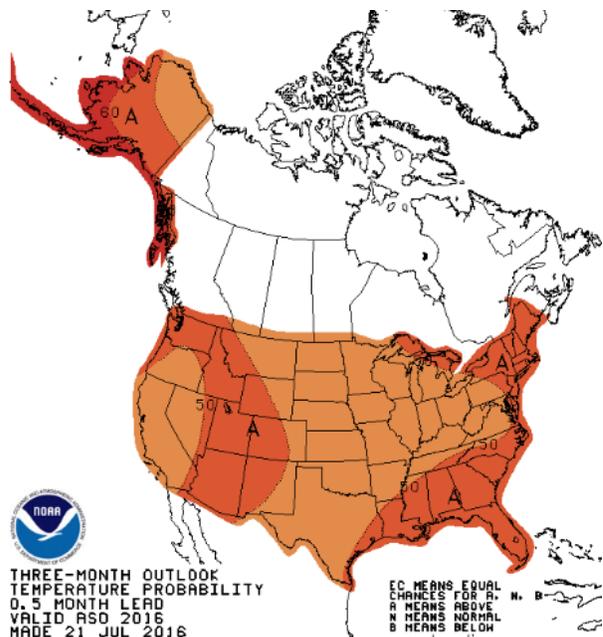
NWS Climate Prediction Center 3-Month Outlook

[Precipitation](#)



[August-September-October \(ASO\) 2016 precipitation outlook summary](#)

[Temperature](#)



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