

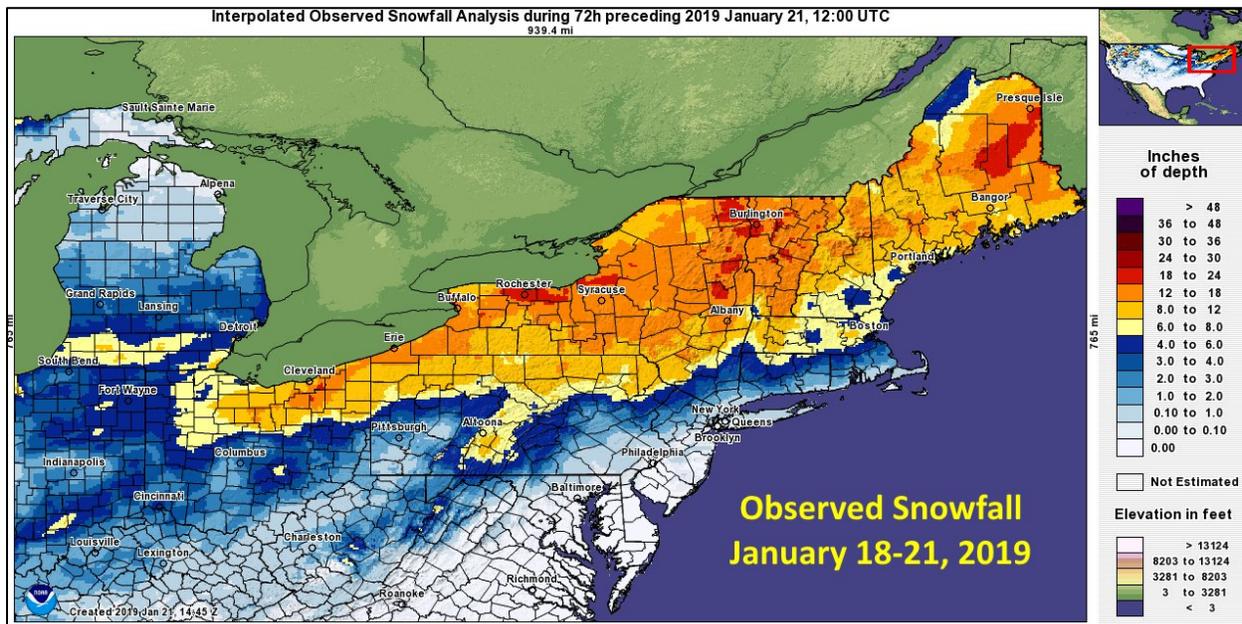
Water and Climate Update

January 24, 2019

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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Heavy snow, cold, and wind envelop the Midwest and Northeast



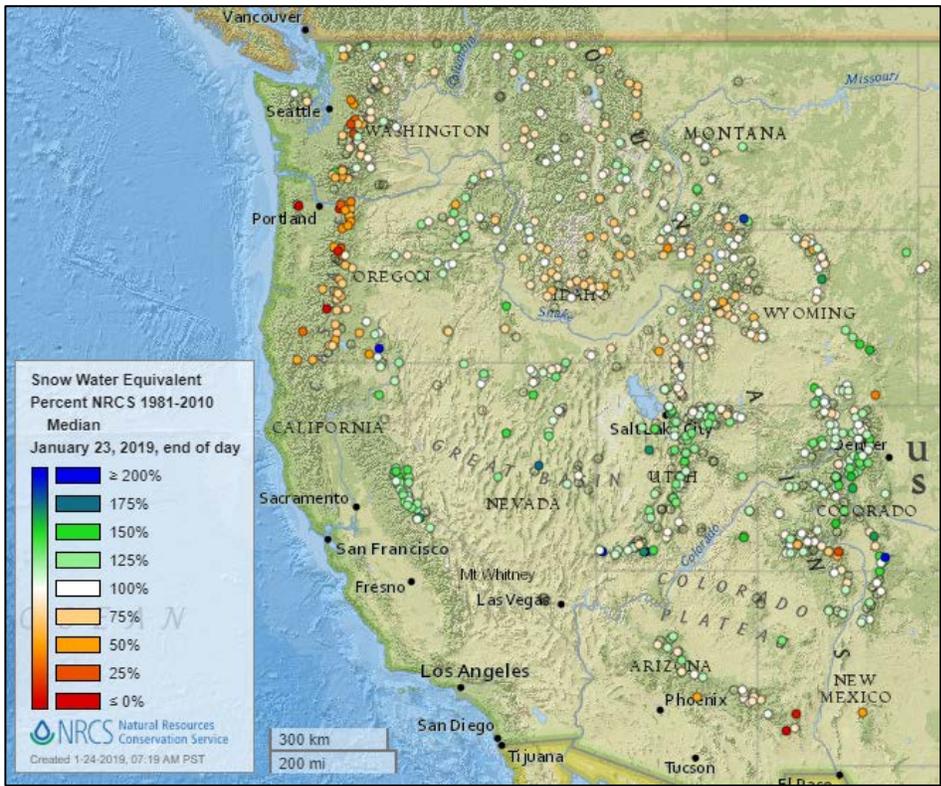
An Arctic high pressure system combined with a low pressure system in the Ohio Valley this week, creating a strong winter storm in the region. Heavy snow fell from the Dakotas through New England causing power outages and disrupting travel, schools, and businesses. Up to 10 inches of snow fell in the Midwest. In the Northeast, upstate New York received over 12 inches of snow, with the highest amount of 20.8 inches falling in Elizabethtown. Strong winds and frigid temperatures accompanied the storm. Record low temperatures across the upper Midwest and New England saw temperatures fall below zero degrees Fahrenheit with dangerous wind chills.

Related:

- [Hundreds of schools close, flights delayed amid Midwest snow](#) – WKYC (OH)
- [Storm brings more snow, ice to large part of Midwest](#) – The Washington Post
- [Snow totals, blowing snow and refreeze up next](#) KCCI (WI)
- [Winter storm blankets Midwest before heading toward New England](#) – Chicago Tribune
- [Brutal cold to endanger those left stranded, without power in wake of immobilizing northeastern U.S. winter storm](#) – AOL
- [How much snow fell in Upstate NY? New totals for 359 spots \(chart\)](#) – Upstate New York (NY)

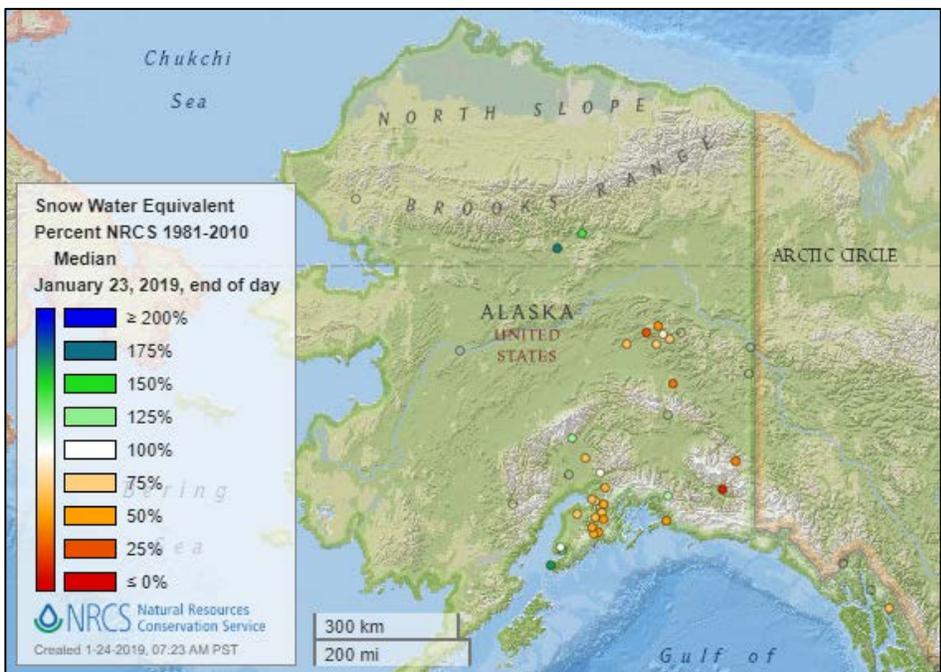
Snow

Current Snow Water Equivalent, NRCS SNOTEL Network



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

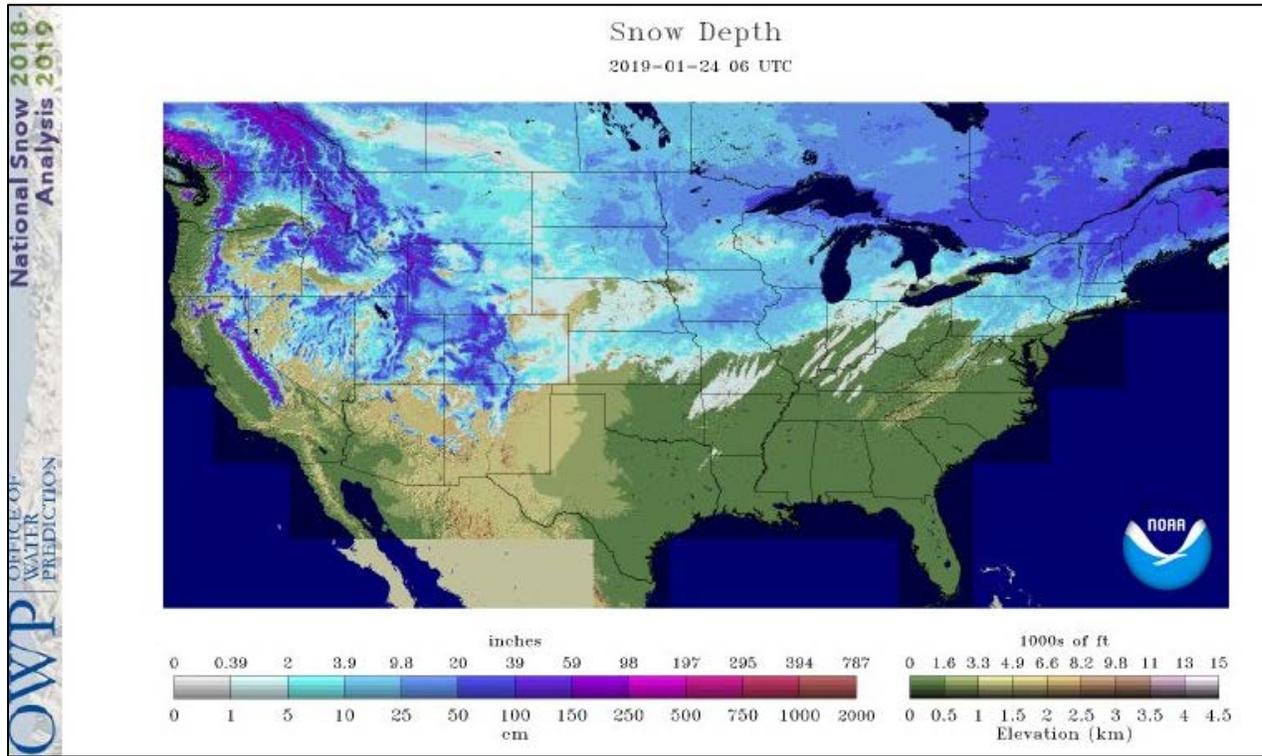
See also:
[Snow water equivalent values \(inches\) map](#)



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

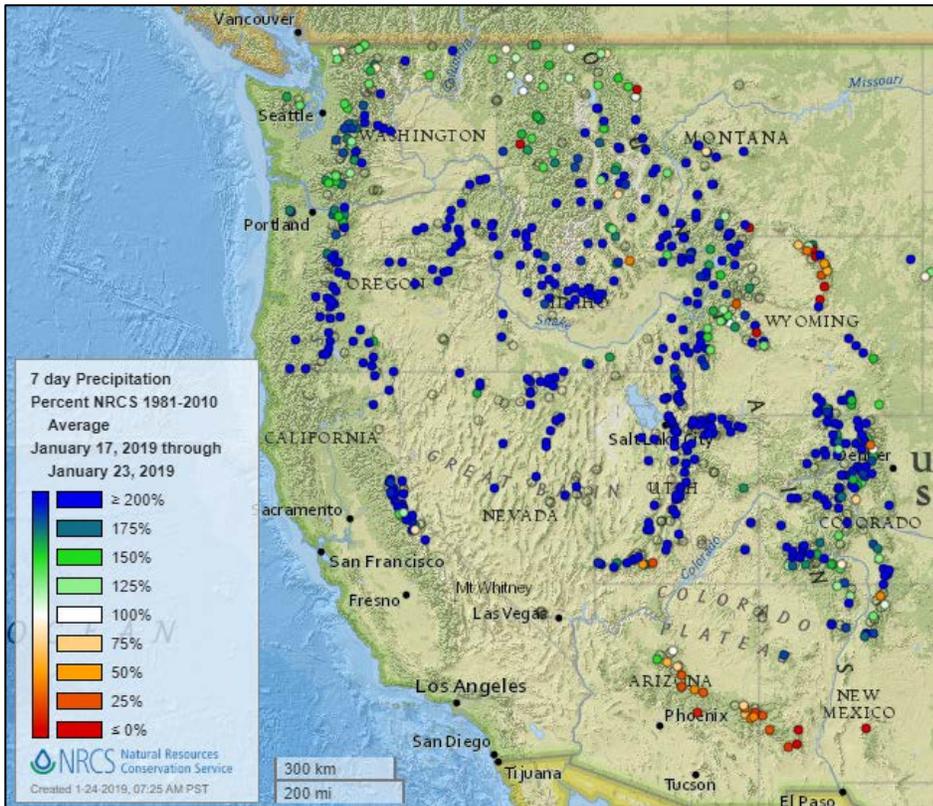
See also:
[Alaska snow water equivalent values \(inches\) map](#)

[Current Snow Depth](#), National Weather Service Snow Analysis



Precipitation

Last 7 Days, NRCS SNOTEL Network

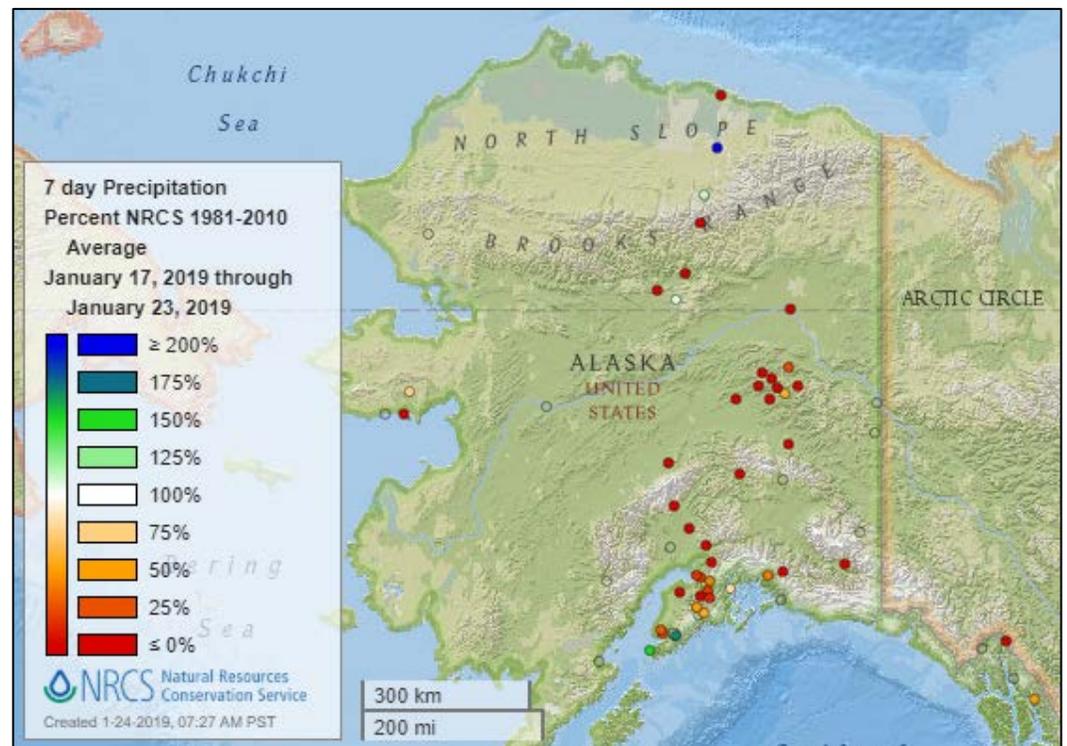


[7-day precipitation percent of average map](#)

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](#)



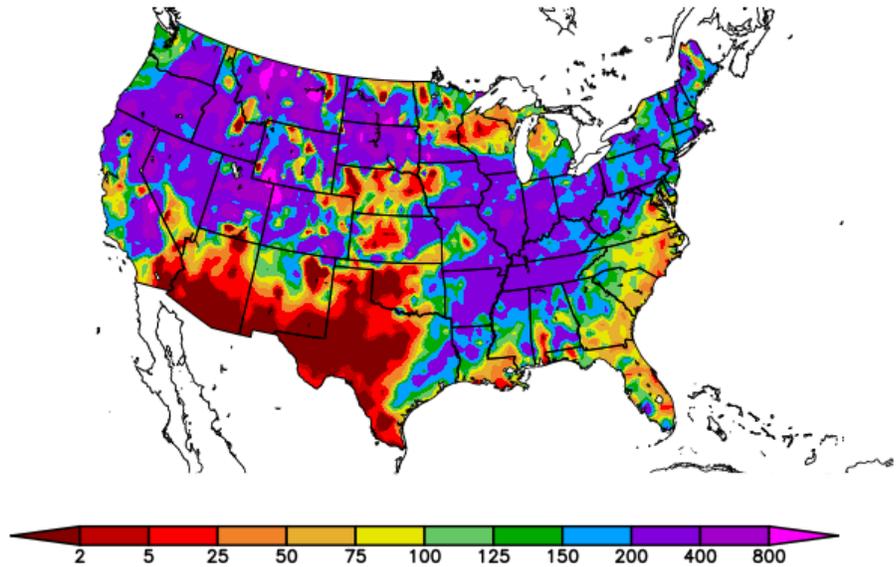
Last 7 Days, National Weather Service (NWS) Networks

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 (%)
1/17/2019 – 1/23/2019



Generated 1/24/2019 at HPRCC using provisional data.

NOAA Regional Climate Centers

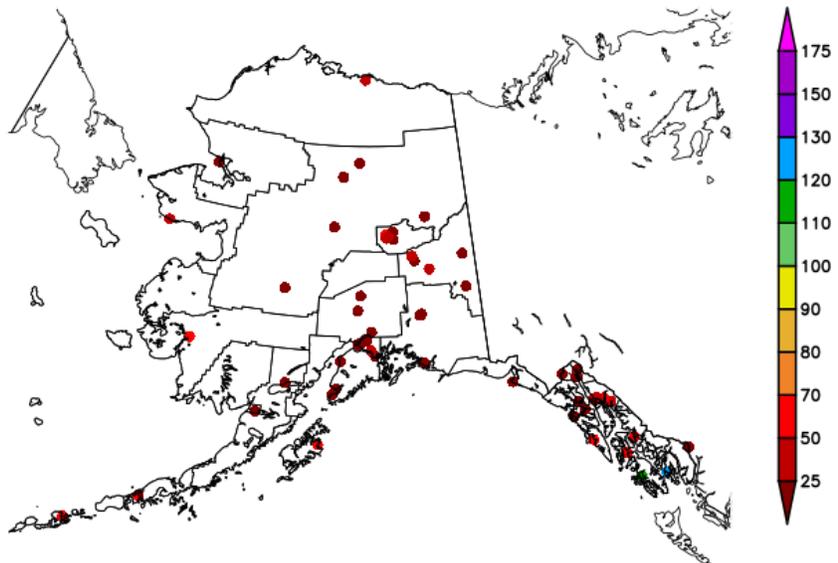
Last 7 Days, National Weather Service (NWS) Networks

Source: Regional Climate Centers

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

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

Percent of Normal Precipitation (%)
1/17/2019 – 1/23/2019



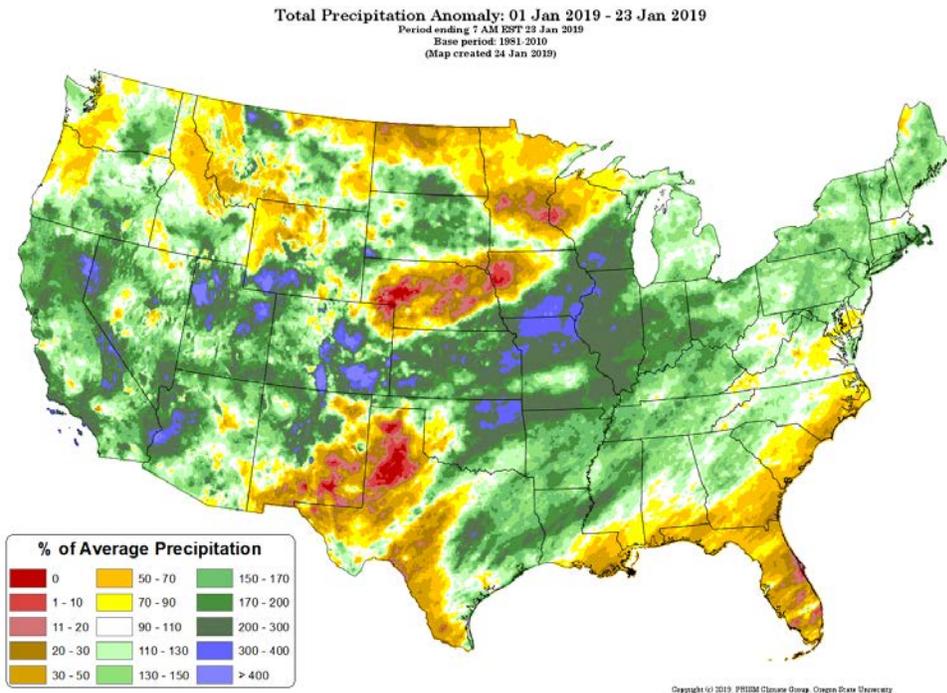
Generated 1/24/2019 at HPRCC using provisional data.

NOAA Regional Climate Centers

Water and Climate Update

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

Source: PRISM

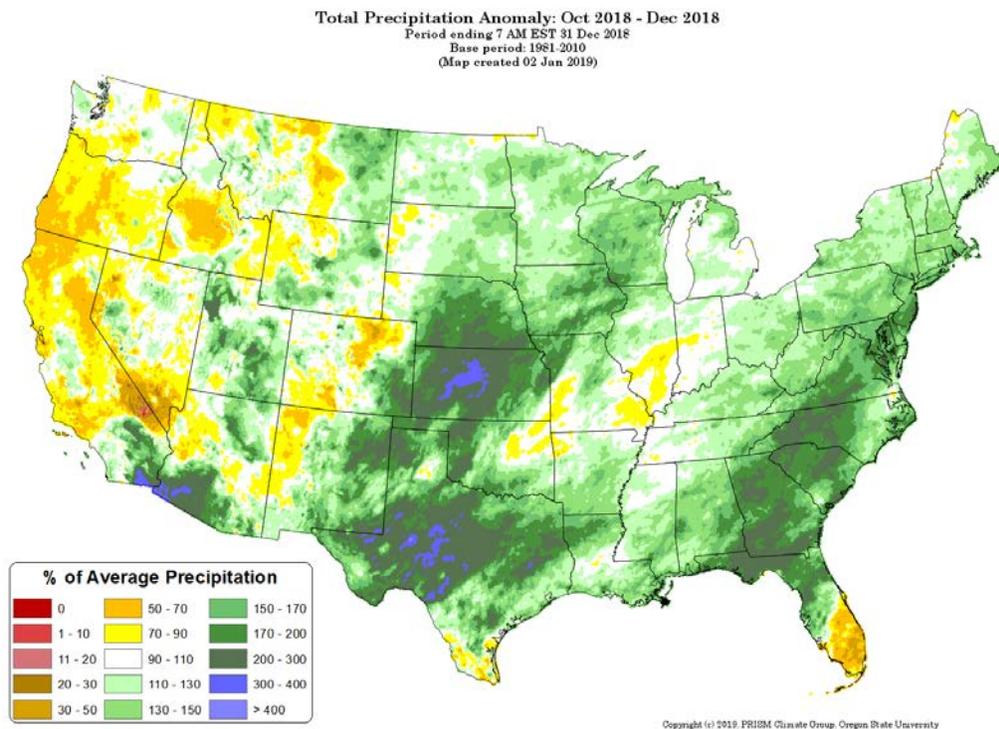


[Month-to-date national total precipitation percent of average map](#)

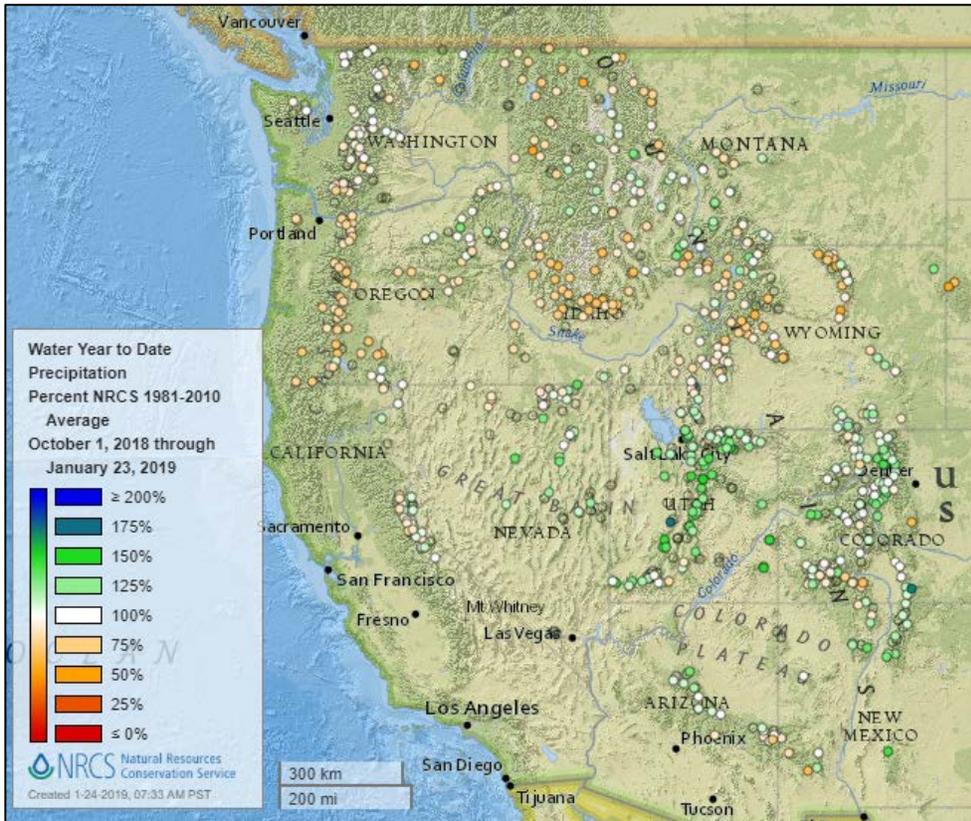
Last 3 Months, All Available Data Including SNOTEL and NWS Networks

Source: PRISM

[October through December 2018 total precipitation percent of average map](#)

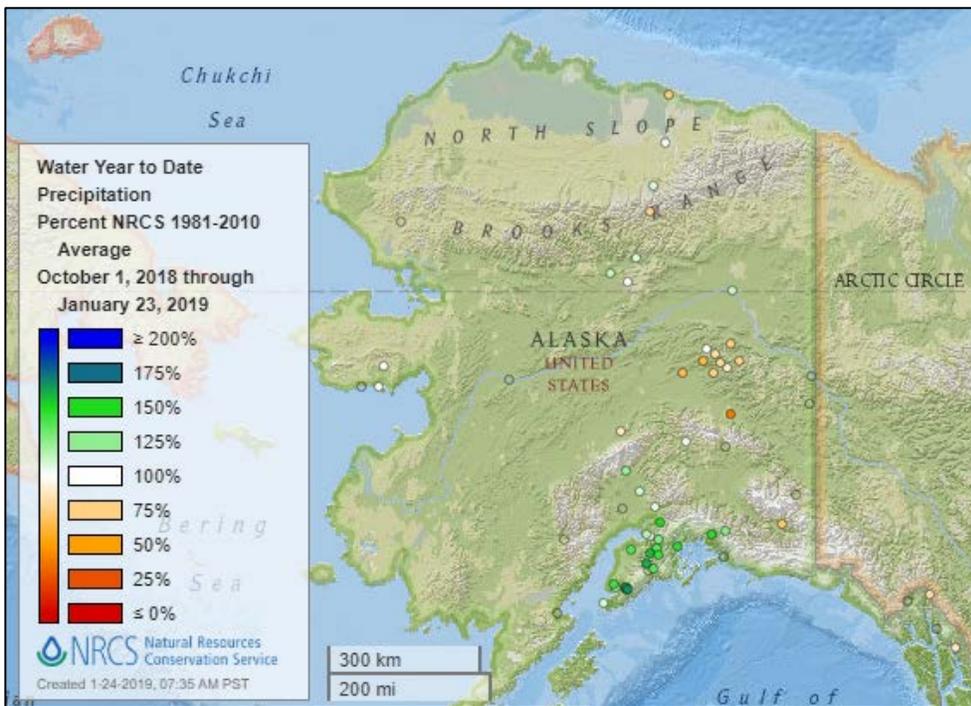


Water Year-to-Date, NRCS SNOTEL Network



[2019 water year-to-date precipitation percent of average map](#)

See also:
[2019 water year-to-date precipitation values \(inches\) map](#)



[Alaska 2019 water year-to-date precipitation percent of average map](#)

See also: [Alaska 2019 water year-to-date precipitation values \(inches\) map](#)

Temperature

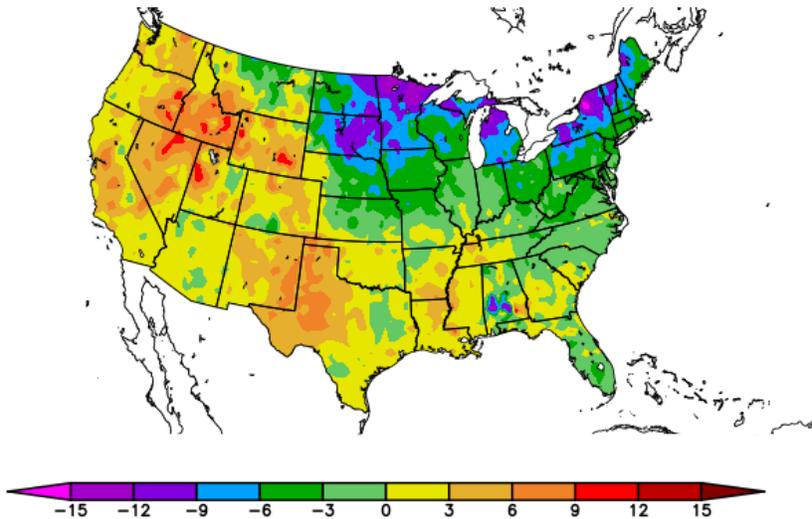
Last 7 Days, National Weather Service (NWS) Networks

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)
1/17/2019 – 1/23/2019



Generated 1/24/2019 at HPRCC using provisional data.

NOAA Regional Climate Centers

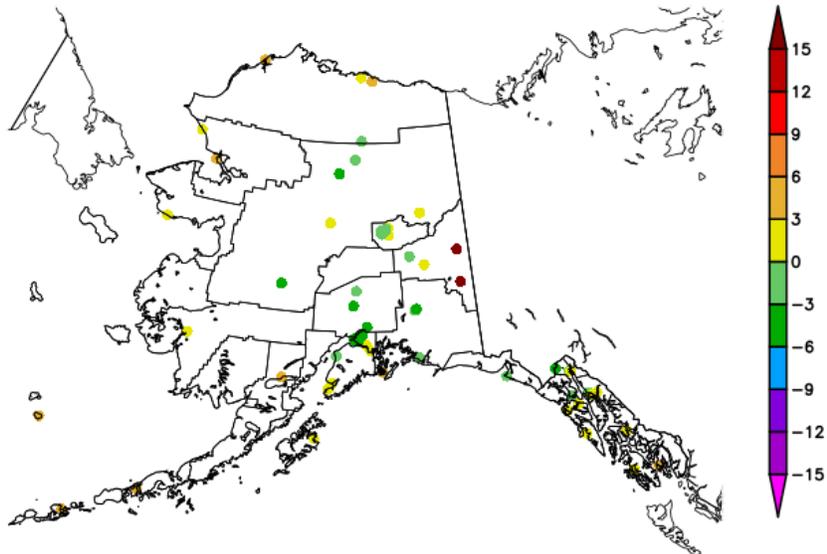
Last 7 Days, National Weather Service (NWS) Networks

Source: Regional Climate Centers

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

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

Departure from Normal Temperature (F)
1/17/2019 – 1/23/2019



Generated 1/24/2019 at HPRCC using provisional data.

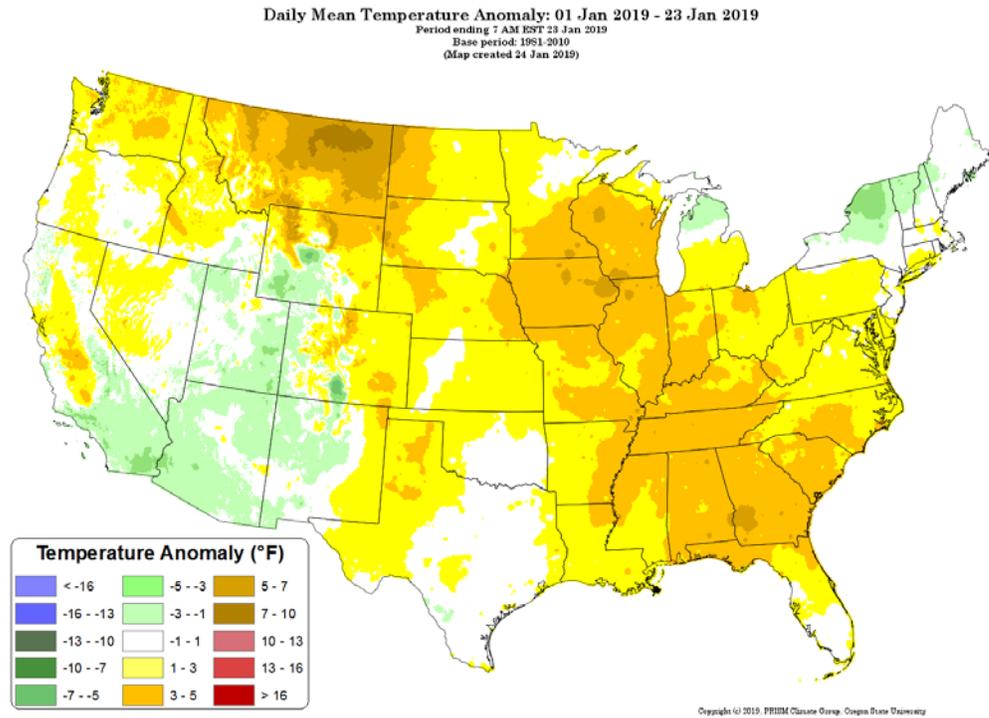
NOAA Regional Climate Centers

Water and Climate Update

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

Source: PRISM

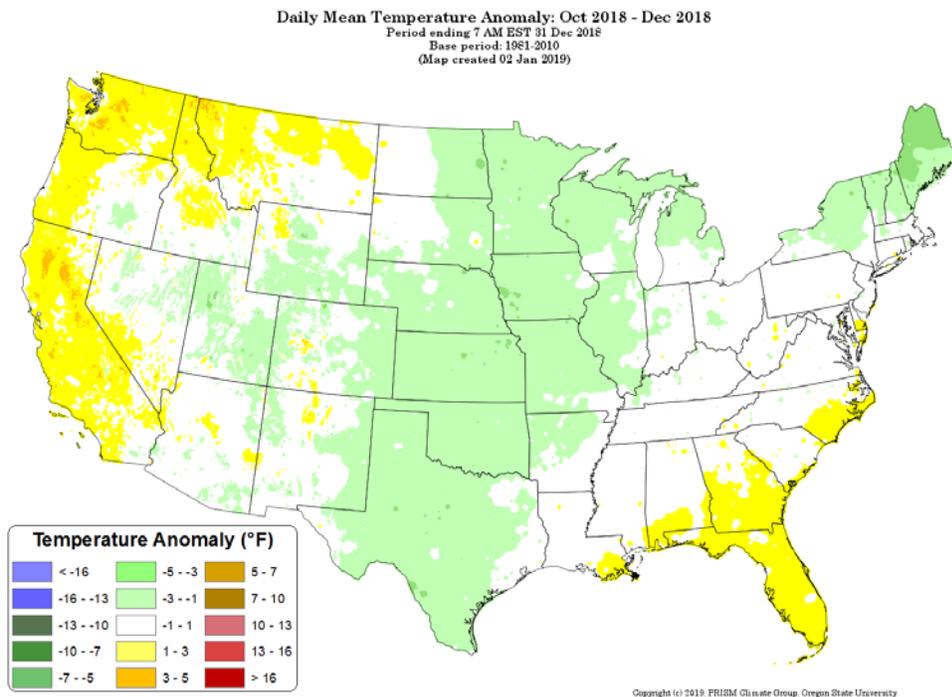
[Month-to-date national daily mean temperature anomaly map](#)



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

Source: PRISM

[October through December 2018 daily mean temperature anomaly map](#)



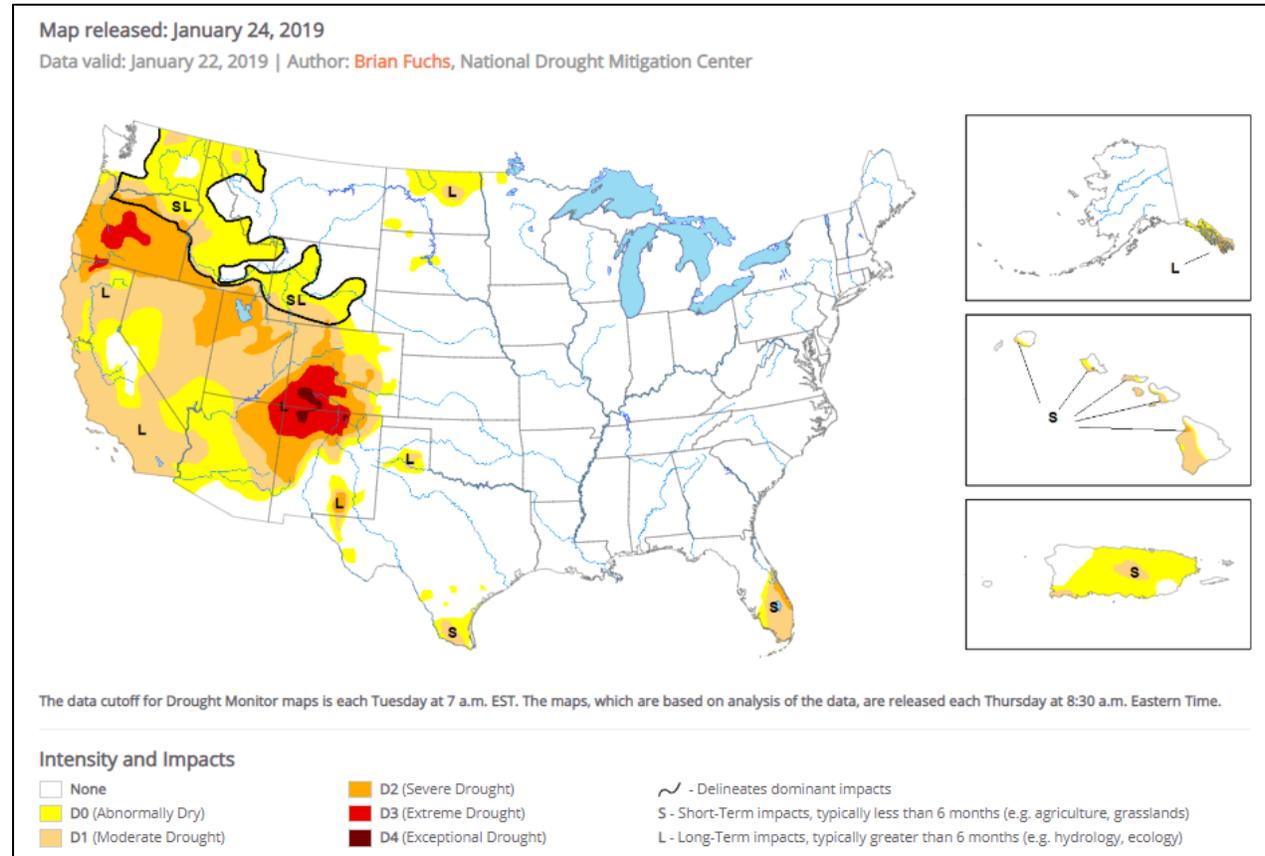
Drought

[U.S. Drought Monitor](#)

Source: National Drought Mitigation Center

[U.S. Drought Portal](#)

Source: NOAA



Current [National Drought Summary](#), January 24, 2019

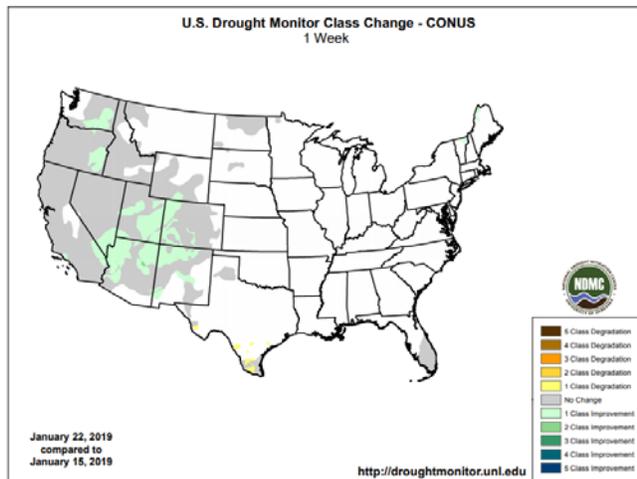
Author: Brian Fuchs, National Drought Mitigation Center

“An active pattern has continued with general ridging over the West and a trough digging in through the central and eastern United States. During the past week, a strong surface low developed in the Southwest and tracked through the central Plains into the Midwest and finally the Northeast. Abundant precipitation was recorded and snow totals in the Rocky Mountains were good. With the cold air dropping in behind these storms, most of the eastern half of the country has remained colder than normal while the West has been warmer than normal.”

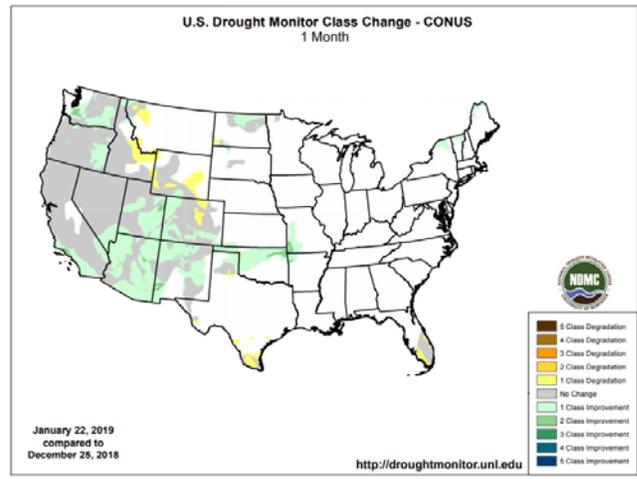
Changes in Drought Monitor Categories over Time

Source: National Drought Mitigation Center

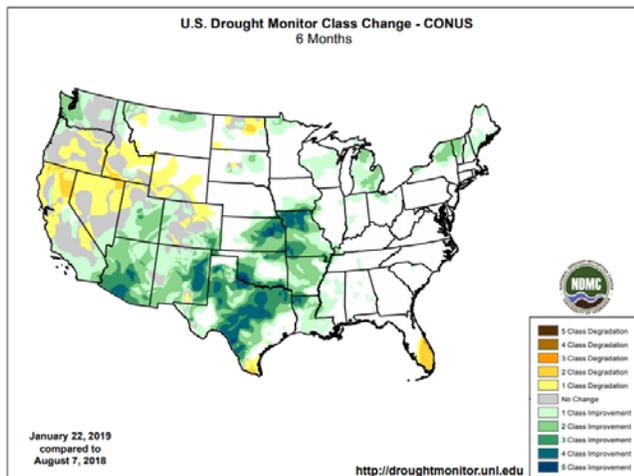
1 Week



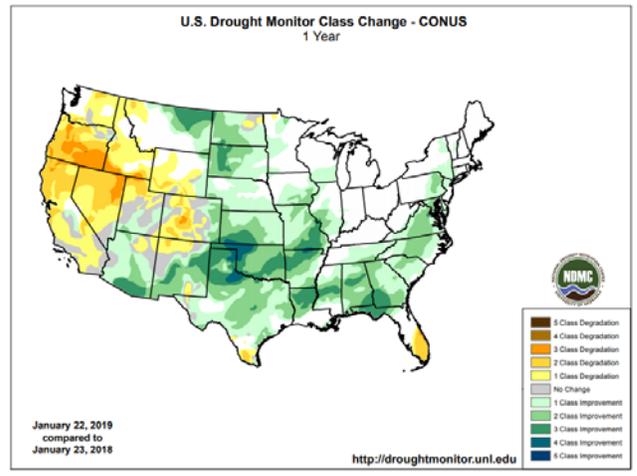
1 Month



6 Months



1 Year



Changes in drought conditions over the last 12 months

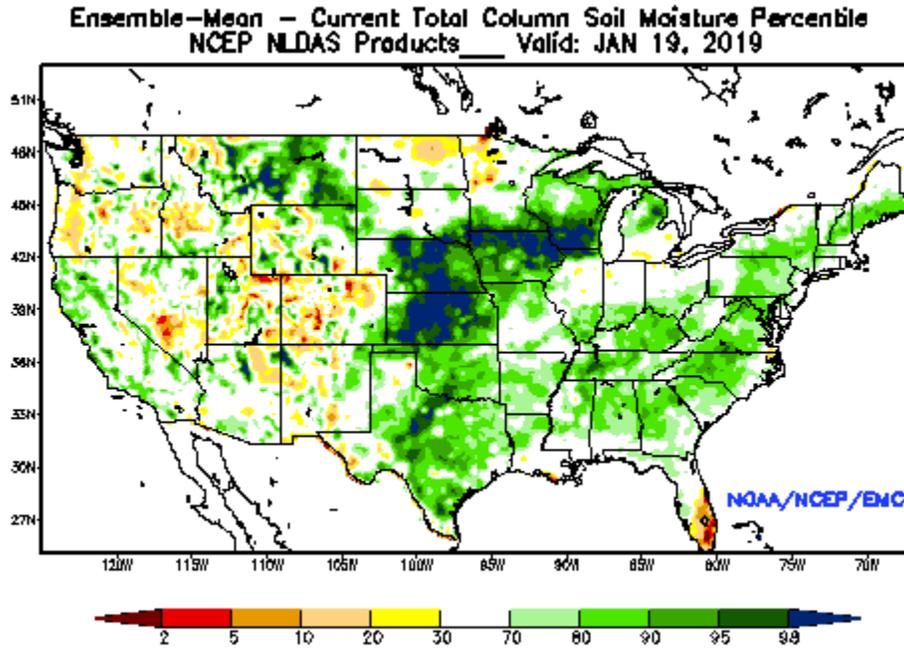
Highlighted Drought Resources

- [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

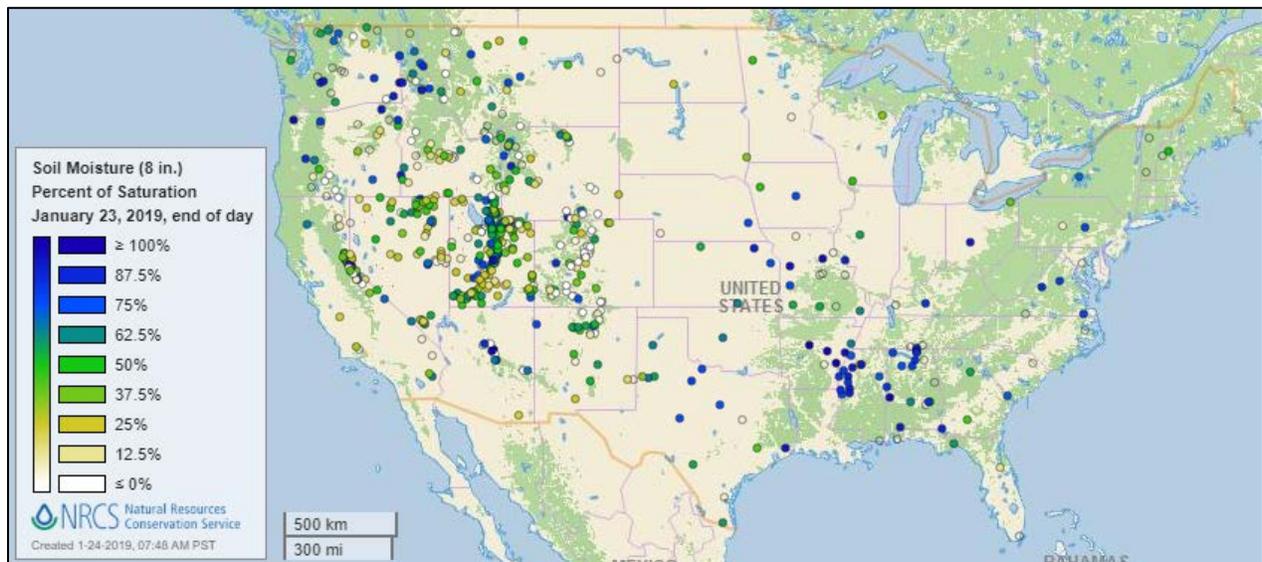
Source: NOAA National Centers for Environmental Prediction



[Modeled soil moisture percentiles](#) as of January 19, 2019

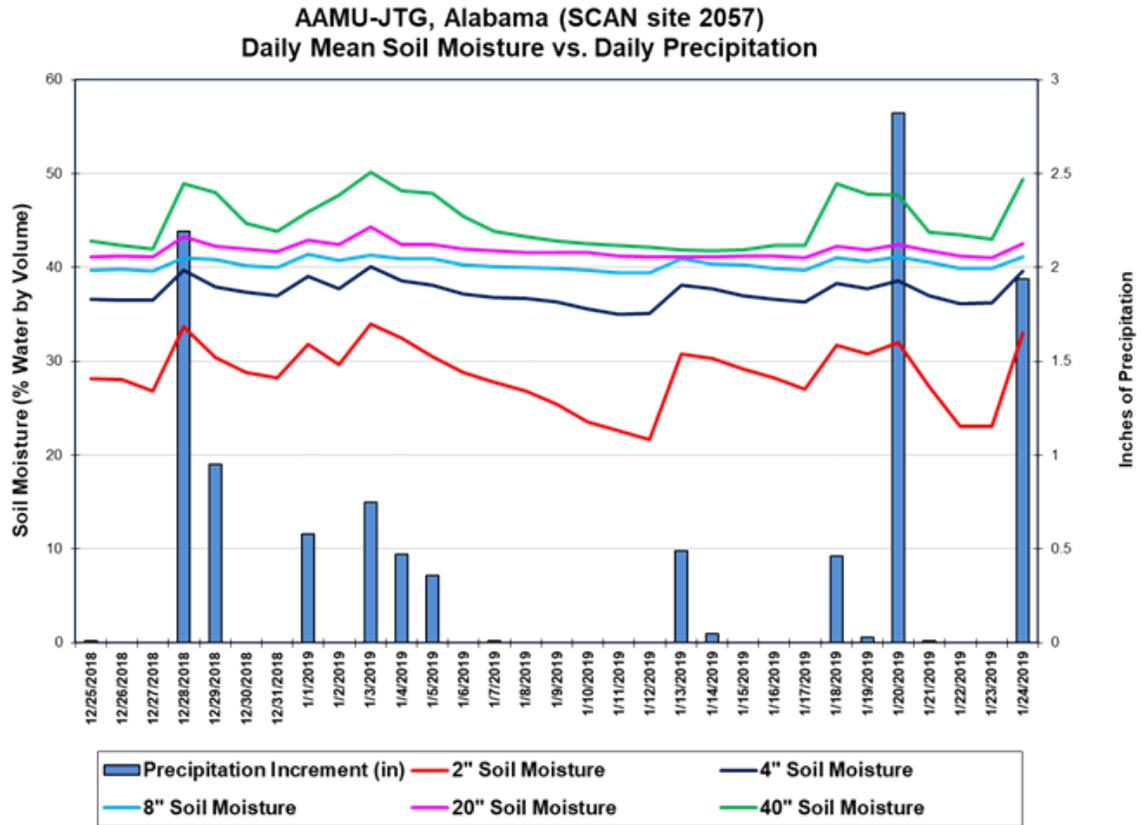
NEW! Soil Moisture Percent of Saturation

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



Soil Moisture Data

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



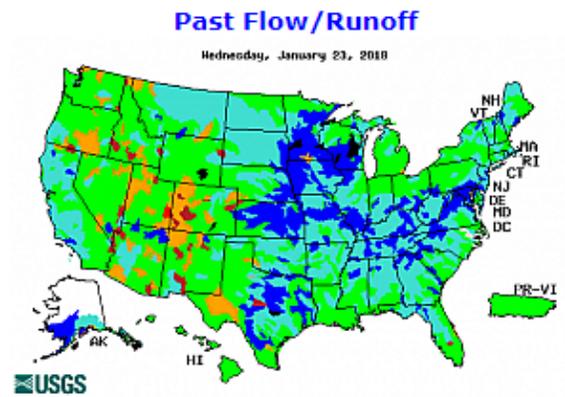
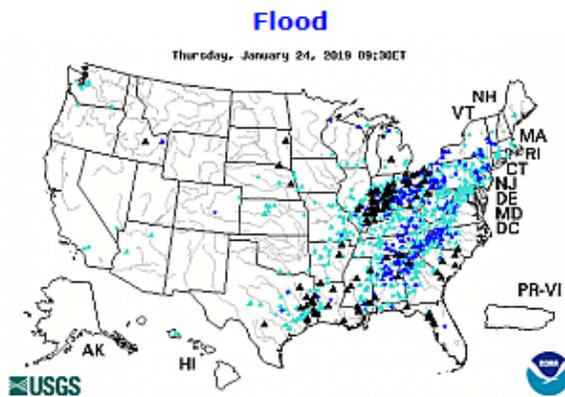
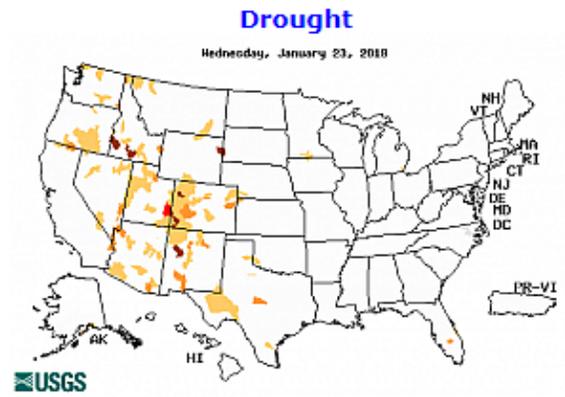
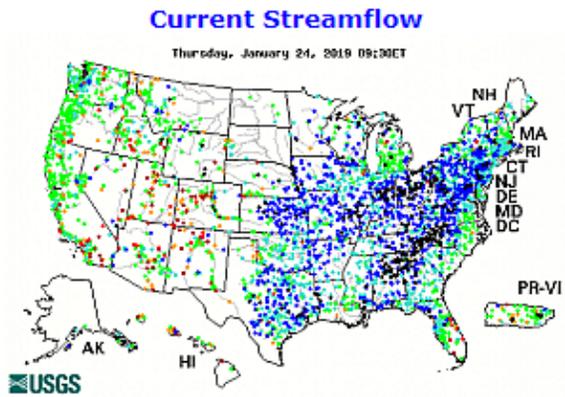
This chart shows the soil moisture and precipitation for the last 30 days at the [AAMU-JTG SCAN site](#) in Alabama. On 1/24/19 precipitation totaled 1.94 inches resulting in an increase in soil moisture at all sensor levels.

Soil Moisture Data Portals

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

Streamflow, Drought, Flood, and Runoff

Source: U.S. Geological Survey

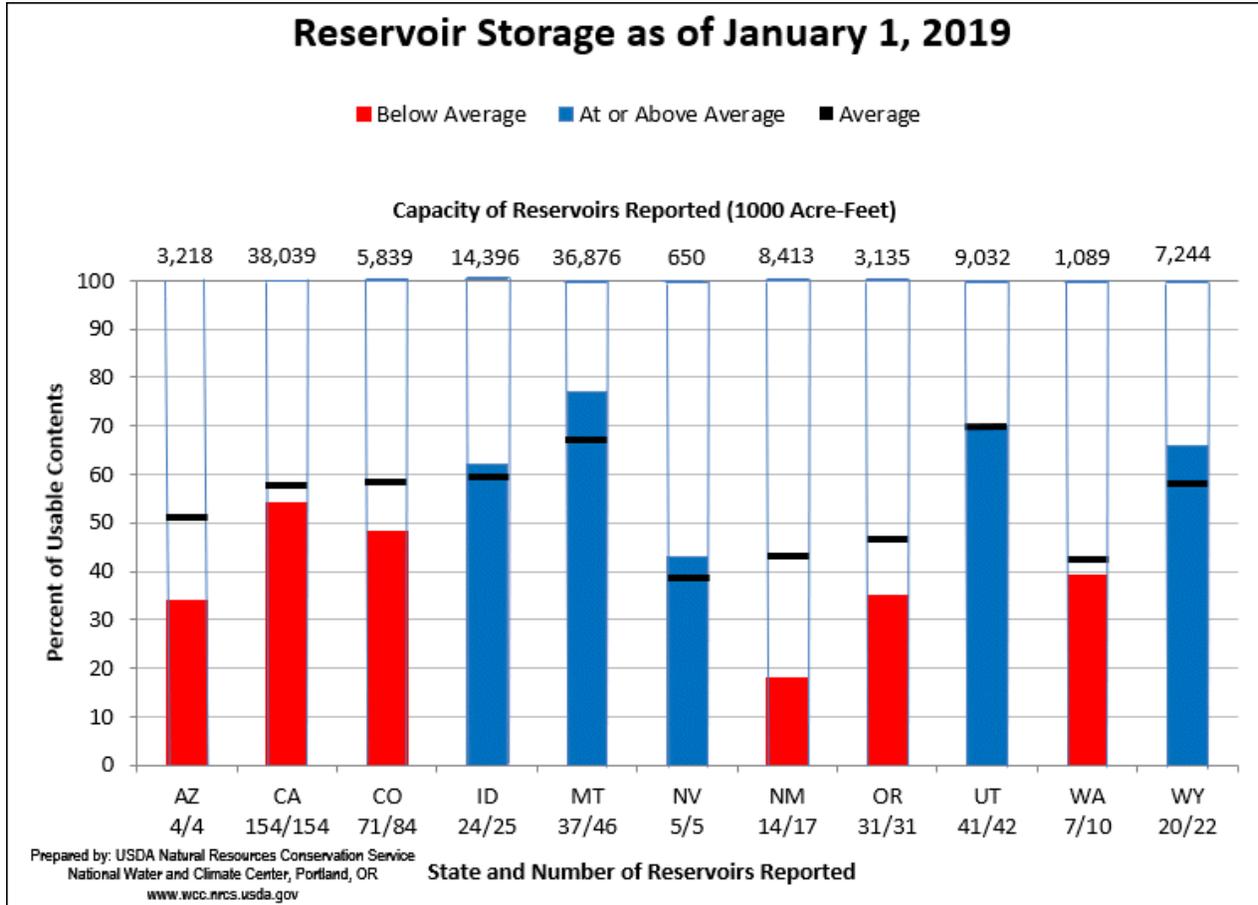


[WaterWatch: Streamflow, drought, flood, and runoff conditions](#)

Reservoir Storage

Western States Reservoir Storage

Source: NRCS National Water and Climate Center



January 1, 2019 Reservoir Storage: [Chart](#) | [Dataset](#)

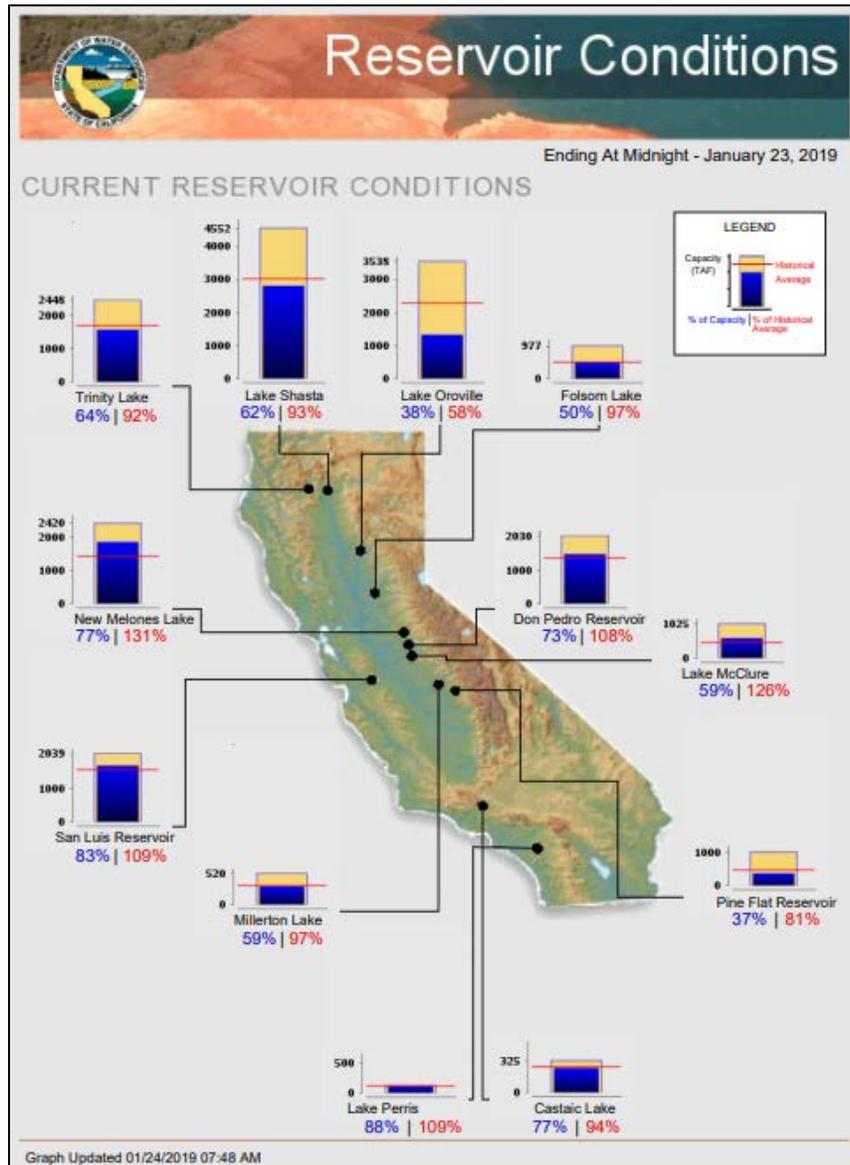
Hydromet Tea Cup Reservoir Depictions

Source: U.S. Bureau of Reclamation

- [Upper Colorado](#)
- [Pacific Northwest/Snake/Columbia](#)
- [Sevier River Water, Utah](#)
- [Upper Missouri, Kansas, Oklahoma, Texas](#)

Current California Reservoir Conditions

Source: California Department of Water Resources

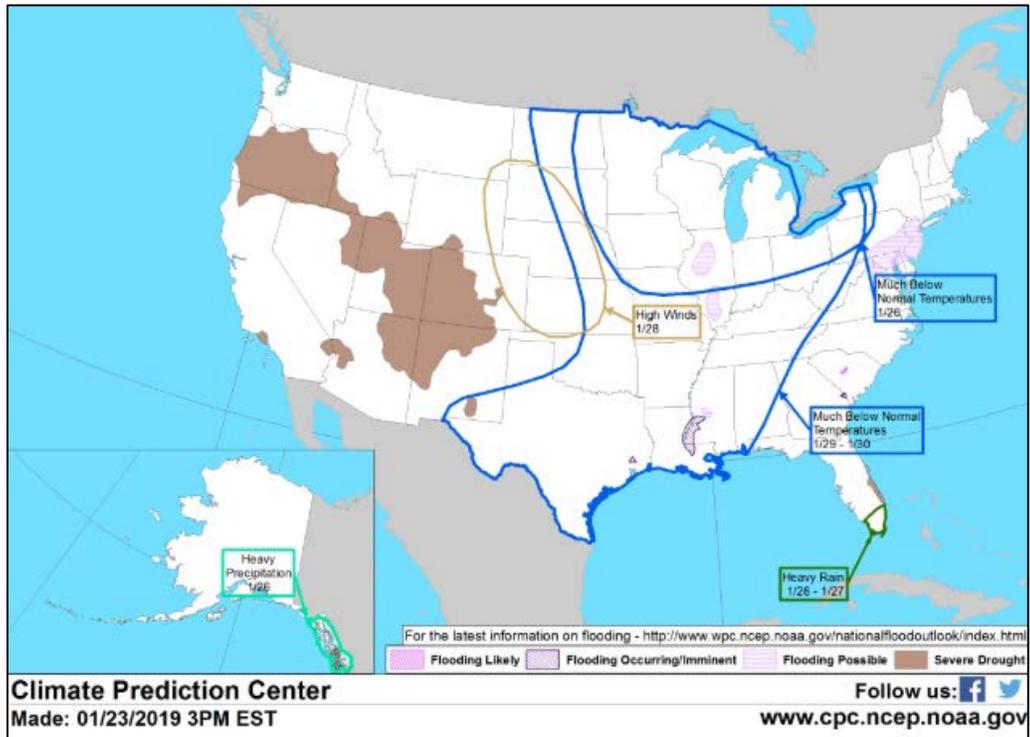


[Current California Reservoir Conditions](#)

Short- and Long-Range Outlooks

Weather Hazards Outlook: [January 26 – January 30, 2019](#)

Source: Climate Prediction Center

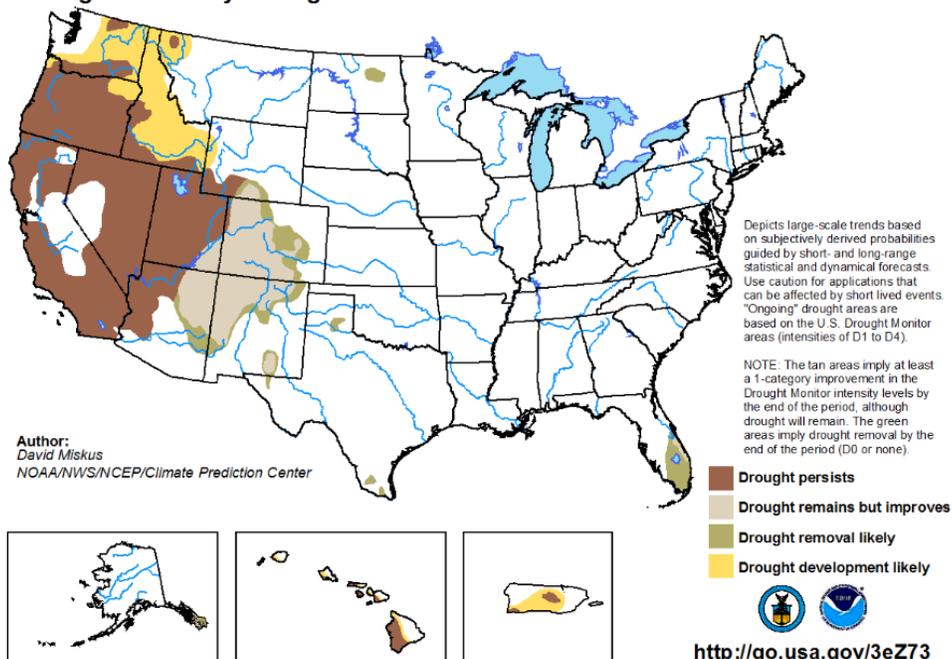


Seasonal Drought Outlook: [January 17 – April 30, 2019](#)

Source: National Weather Service

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

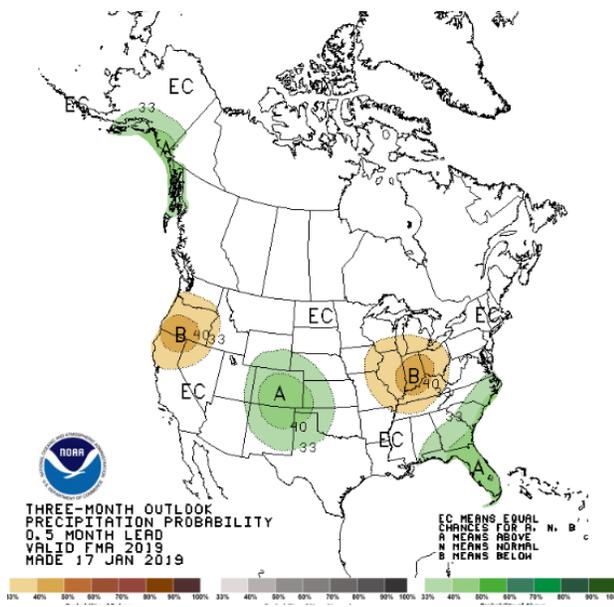
Valid for January 17 - April 30, 2019
Released January 17



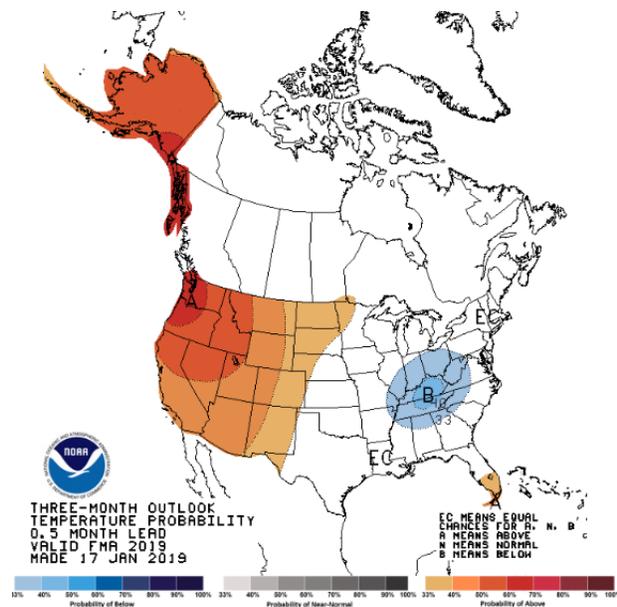
Climate Prediction Center 3-Month Outlook

Source: National Weather Service

[Precipitation](#)



[Temperature](#)



[February-March-April \(FMA\) 2019 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](#).