



Drought Information Statement for Central and Northeast Wisconsin

Valid November 21, 2024

Issued By: WFO Green Bay, WI

Contact Information: nws.greenbay@noaa.gov

- This product will be updated around December 5, 2024 or sooner if drought conditions change significantly.
 - Please see all currently available products at <https://drought.gov/drought-information-statements>.
 - Please visit <https://www.weather.gov/grb/DroughtInformationStatement> for previous statements.
 - Please visit <https://www.drought.gov/drought-status-updates/drought-status-update-midwest-2024-04-25>
-
- Drought conditions no longer persist across portions of central and east-central WI. Moderate Drought (D1) continues across the north with Severe Drought (D2) across far western Forest, the eastern half of Oneida and Vilas counties.



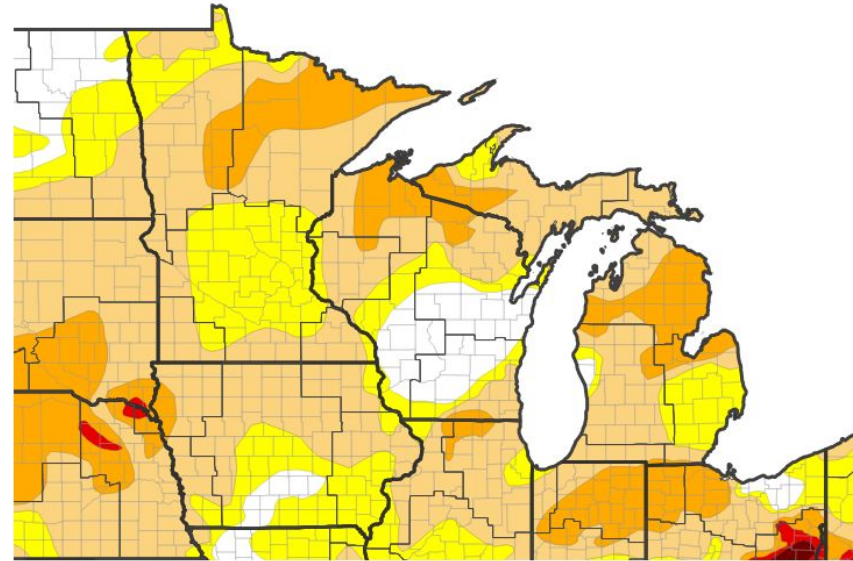


U.S. Drought Monitor

Link to the [latest U.S. Drought Monitor](#) for [region]

- Drought intensity and Extent
 - **D2 (Severe Drought)**: Vilas, the eastern half of Oneida and far western Forest counties.
 - **D1 (Moderate Drought)**: Generally north of a Merrill to Shawano to Marinette line, except over far north-central WI.
 - **D0 (Abnormally Dry)**: A small area south of the Moderate Drought (D1) area, but generally north a Wausau to Green Bay to Sturgeon Bay line.

U.S. Drought Monitor



U.S. Drought Monitor



Source(s): NDMC, NOAA, USDA; image courtesy of Drought.gov

Data Valid: 11/19/24

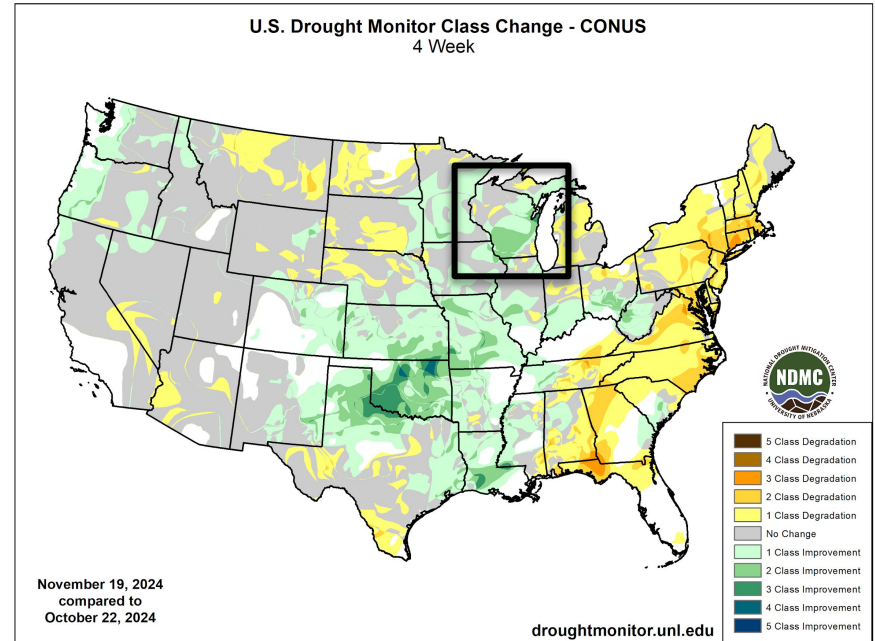




Recent Change in Drought Intensity

Link to the latest [4-week change map](#) for [region]

- Four Week Drought Monitor Class Change.
 - **Drought Improvement:** Over the past month, a 1 to 2 category improvement in drought conditions was seen across much of central and northeast Wisconsin. Rainfall amounts of 3 to 6 inches have been recorded since October 29.
 - **No Change:** Little change in drought conditions have been noted across portions of far north-central Wisconsin, generally across Vilas, Oneida and far western Forest counties.
 - **Worsening:** None.

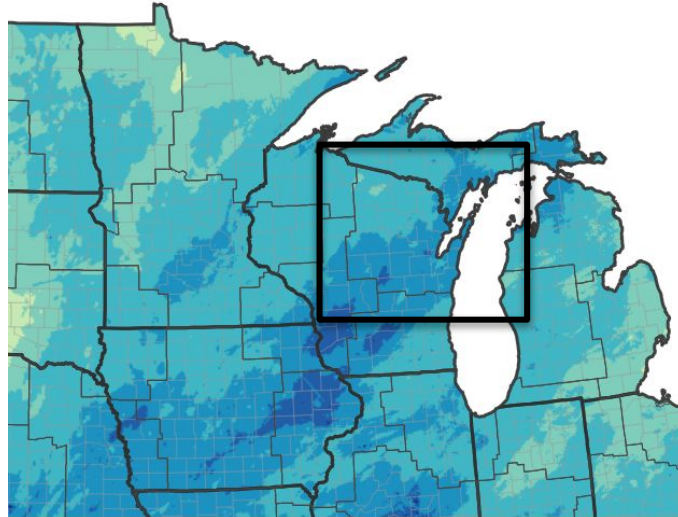




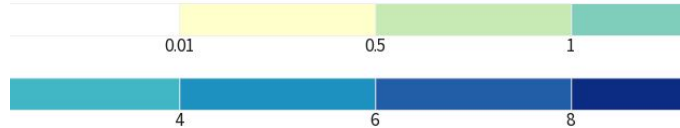
Precipitation

- Most of Vilas and Oneida counties have only seen 75 to 100% of normal precipitation over the past several weeks. A swath of heavy rain from central into northeast WI has resulted in rainfall totals 150 to 300% of normal.

7-Day Precipitation Accumulations (Inches)

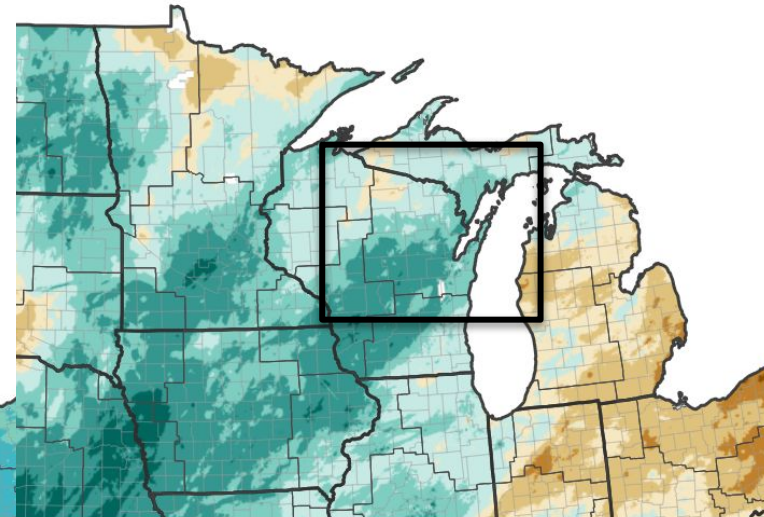


Inches of Precipitation



Source(s): National Weather Service Multi-Radar Multi-Sensor System;
 Image courtesy of Drought.gov

70-Day Percent of Normal Precipitation



Percent of Normal Precipitation (%)



Last Update: Source(s): National Weather Service Multi-Radar Multi-Sensor System;
 Image courtesy of Drought.gov Last Updated: 11/21/2012



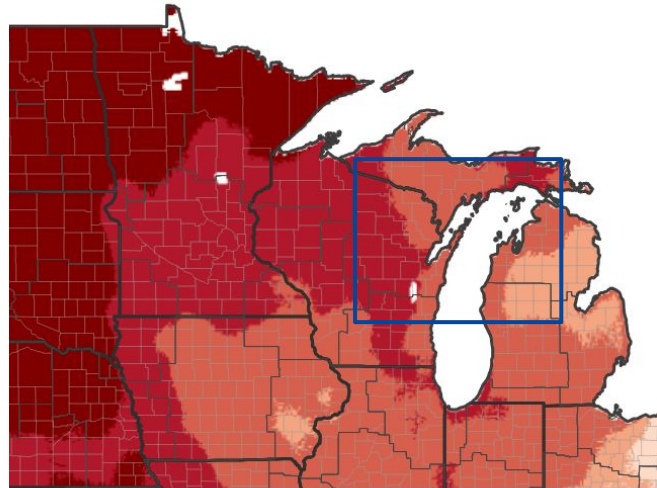


Temperature

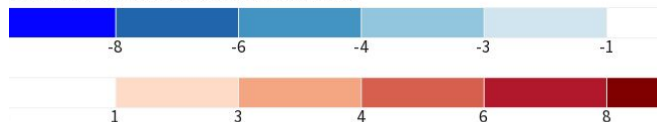
The 7 day (left image) and the 30 day temperature (right image) continued to show temperatures running 3 to 6 above normal during the past week, and 6 to 9 degrees over the last 30 days.

Temperatures are expected to remain above normal into this weekend (Nov 23-24), then temperatures are expected to be at or below normal for the remainder of the month.

-Day Temperature Anomaly

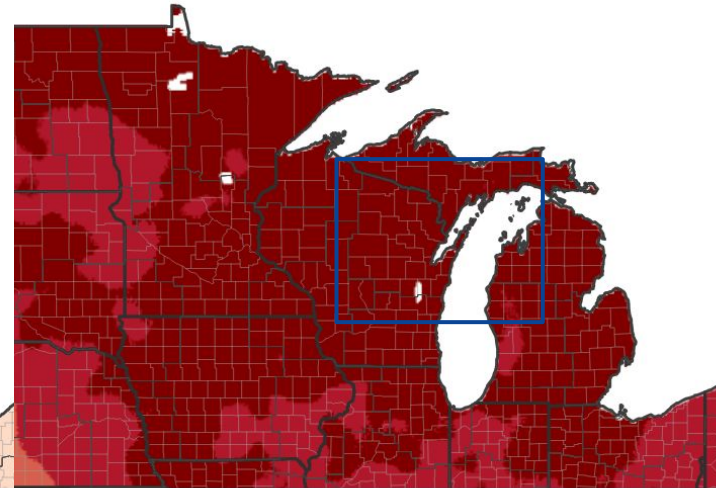


Departure from Normal Max Temperature (°F)



Source(s): NOAA's National Centers for Environmental Information; image courtesy of Drought.gov

0-Day Temperature Anomaly

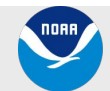


Departure from Normal Max Temperature (°F)



Data Valid: Source(s): NOAA's National Centers for Environmental Information; image courtesy of Drought.gov

Data Valid: 11/17/





Summary of Impacts

Links: See/submit [Condition Monitoring Observer Reports \(CMOR\)](#) and view the [Drought Impacts Reporter](#)

Hydrologic Impacts

- Rivers across the area have risen from previous lows in October due to recent soaking rainfall events and some snow (Nov 20-21) over the last several weeks.

Agricultural Impacts

- There should be minimal impacts to agricultural interest since the main growing season has ended. Recent rainfall and some snow should help the winter wheat crop.

Fire Hazard Impacts

- Recent rainfall and cooler weather has ended the risk of wildfires.

Other Impacts

- There are no known impacts at this time.

Mitigation Actions

- Please refer to your municipality and/or water provider for mitigation information.





Hydrologic Conditions and Impacts

- River levels are on the rise during the past several weeks due to the recent soaking rains and some snow. Rivers are running higher than normal in the Fox River basin as 3 to 6 inches of rain has fallen since Oct 29.

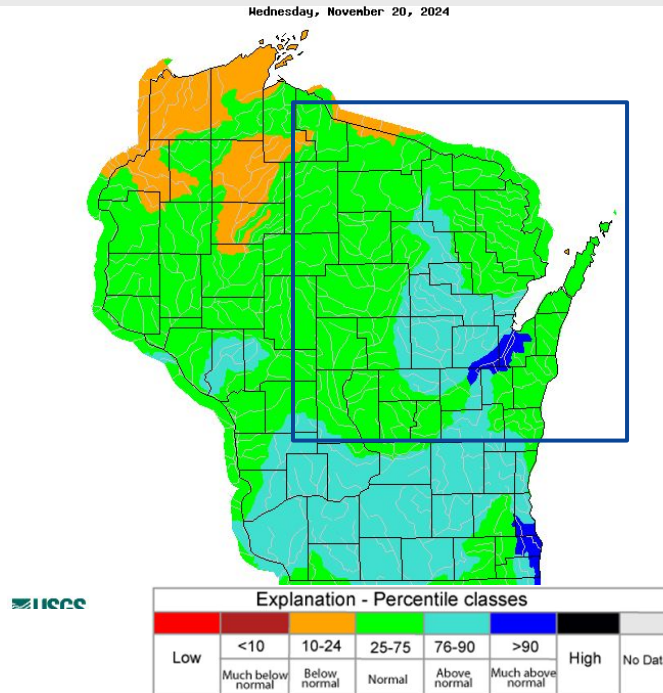


Image Caption: USGS 7 day average streamflow HUC map valid 11 20 2024

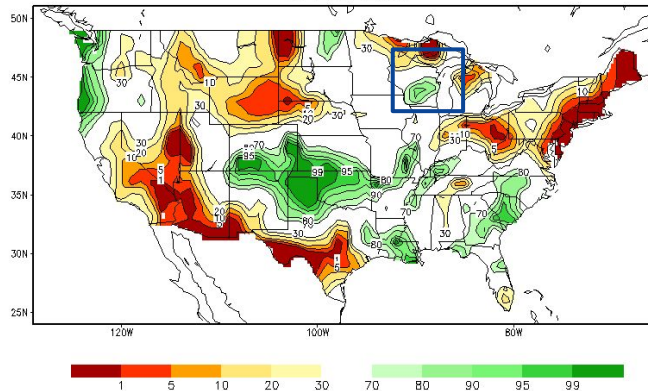




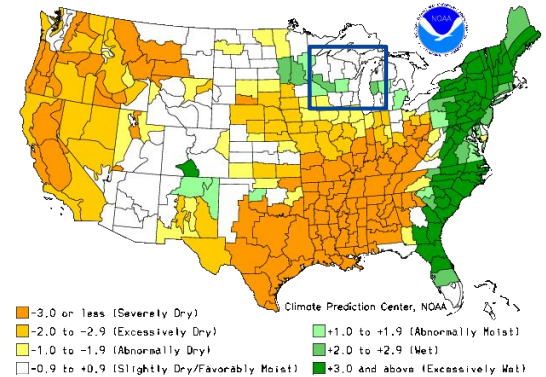
Agricultural Impacts

- Soil moisture conditions are showing wetter than normal conditions across central and east-central WI. Drier than normal conditions continue across far north-central and far northeast Wisconsin as the heavier rain and some snow has fallen south of this region.

Calculated Soil Moisture Ranking Percentile
NOV 20, 2024



Crop Moisture Index by Division
Weekly Value for Period Ending OCT 26, 2024
Short Term Need vs. Available Water in a Shallow Soil Profile

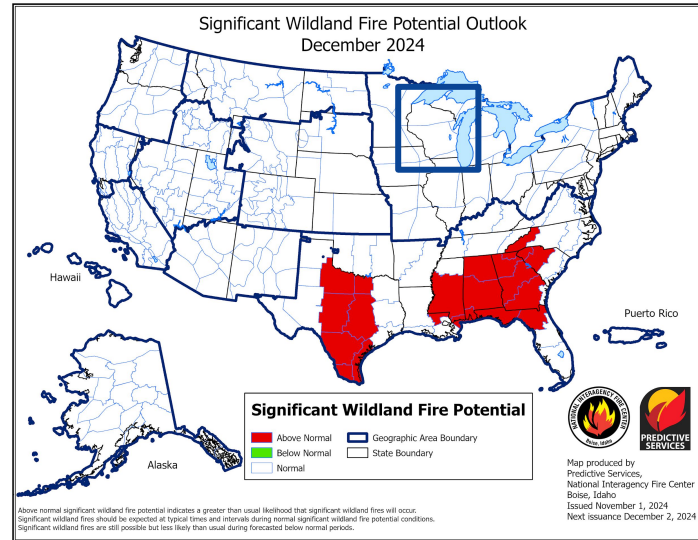




Fire Hazard Impacts

Link to [Wildfire Potential Outlooks from the National Interagency Coordination Center.](#)

- The risk of wildland fires is low due to the recent rains and some snow (Nov 20-21), along with cooler temperatures.
- Things are still fairly on the dry side across the far north, but very mild temperatures are not expected through early December.



[Wisconsin Fire Danger Map](#)

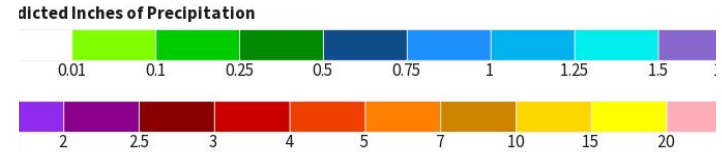
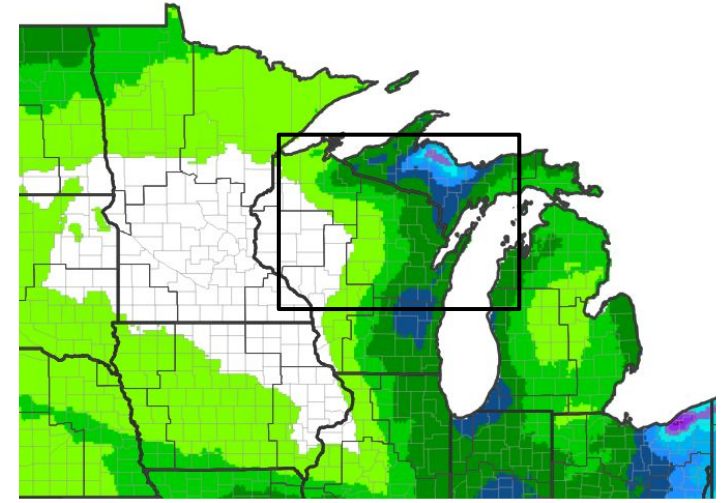




Seven Day Precipitation Forecast

- Some of the rain (melted snow as well) fell today (November 21). The The next chance for rain and snow will be Sunday night into Monday (November 25-26).

Day Quantitative Precipitation Forecast for November 2024-November 28, 2024



orce(s): National Weather Service Weather Prediction Center; image rtesy of Drought.gov Last Updated: 11/2

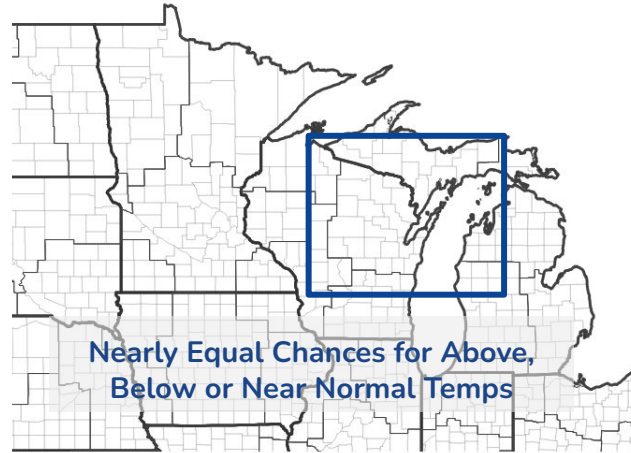


Long-Range Outlooks

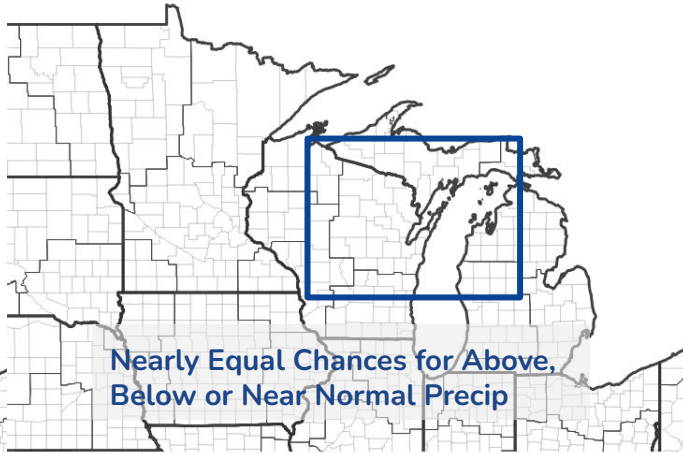
The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

- There are nearly equal chances for above, near or below normal temperatures and precipitation during December.

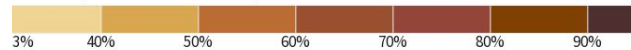
Monthly Precipitation Outlook for December 1, 2024–December 31, 2024



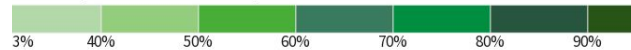
Monthly Temperature Outlook for December 1, 2024–December 31, 2024



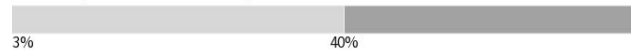
Probability of Below-Normal Precipitation



Probability of Above-Normal Precipitation



Probability of Near-Normal Precipitation



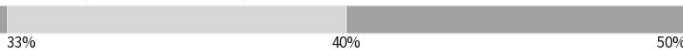
Probability of Below-Normal Temperatures



Probability of Above-Normal Temperatures



Probability of Near-Normal Temperatures



Source(s): Climate Prediction Center; image courtesy of Drought.gov

Last Updated: 11/21/24 Source(s): Climate Prediction Center; image courtesy of Drought.gov

Last Updated: 11/21/24



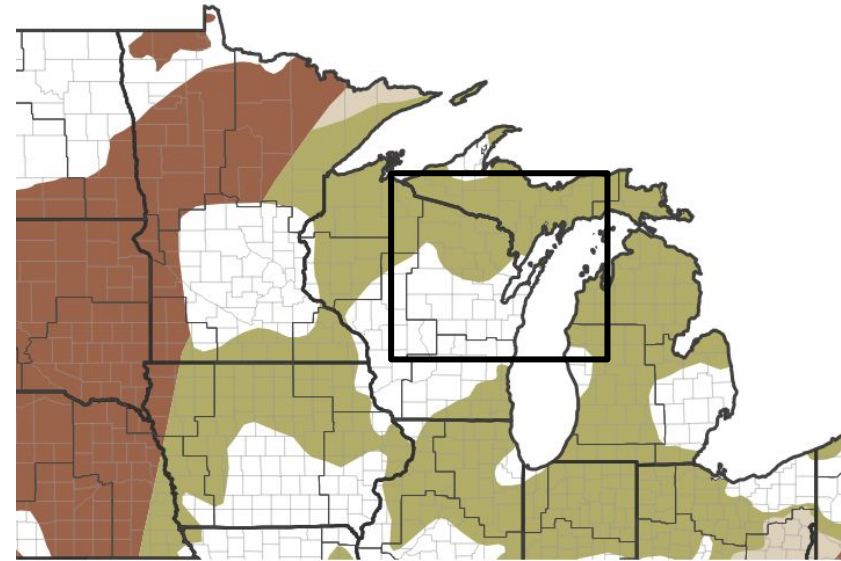


Drought Outlook

The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

- The latest trends in the models indicated above normal precipitation during November, causing the drought to end across portions of central and east-central Wisconsin. Across northern Wisconsin, drought will linger into December, however above normal precipitation may result in improving drought conditions.

Seasonal (3-Month) Drought Outlook for November 21, 2024–February 28, 2025



Drought Is Predicted To...



Source(s): Climate Prediction Center; image courtesy of Drought.gov

Last Updated: 11/21/24

Links to the latest:

[Climate Prediction Center Monthly Drought Outlook](#)

[Climate Prediction Center Seasonal Drought Outlook](#)



National Oceanic and Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Green Bay