



Drought Information Statement for NE Minnesota & NW Wisconsin

Valid December 6, 2024

Issued By: NWS Duluth, MN

Contact Information:

- Next Update: Friday, December 20, 2024
 - Please see all currently available products at <https://drought.gov/drought-information-statements>.
 - Please visit <https://www.weather.gov/DLH/DroughtInformationStatement> for previous statements.
 - Please visit <https://www.drought.gov/drought-status-updates/> for regional drought status updates.
-
- Severe Drought conditions have improved in the Arrowhead and along the South Shore. The rest of the Northland remains unchanged for Drought status.



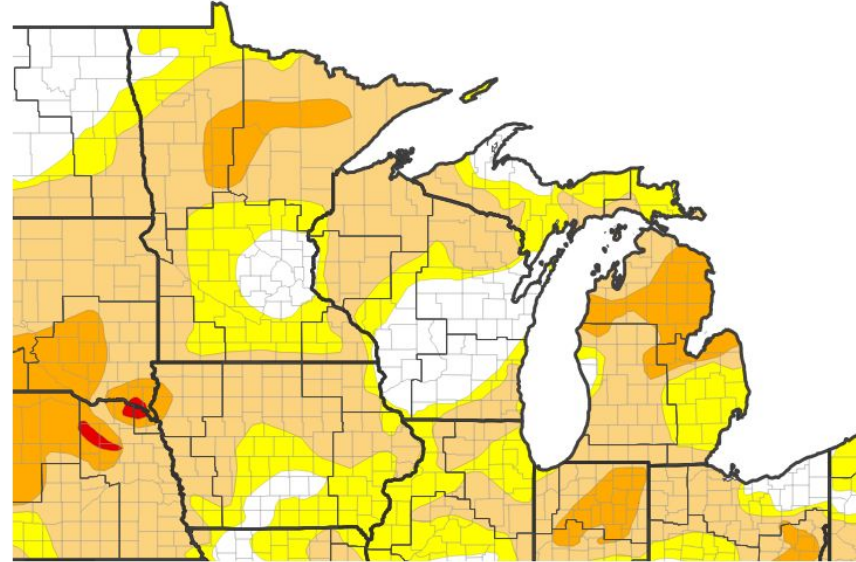


U.S. Drought Monitor

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

- Drought intensity and Extent
 - **D2 (Severe Drought):** Western Iron Range and Leech Lake area.
 - **D1 (Moderate Drought):** Nearly all of the rest of the Northland.
 - **D0: (Abnormally Dry):** Near International Falls and in the St. Croix River Valley.

U.S. Drought Monitor



U.S. Drought Monitor



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

Data Valid: 12/03/24



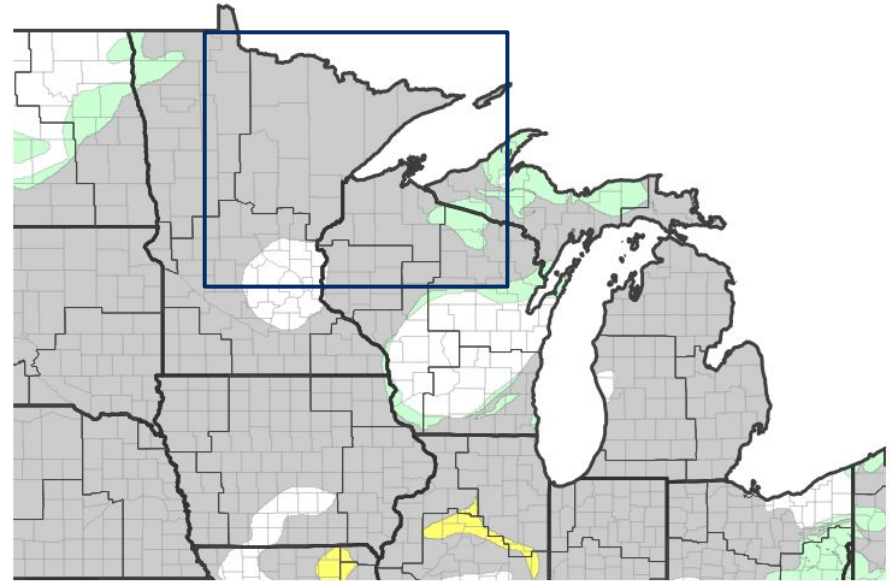


Recent Change in Drought Intensity

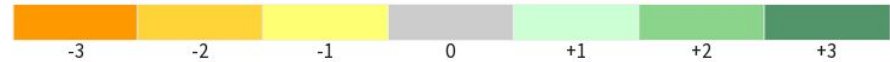
Link to the latest [4-week change map](#) for NE Minnesota and NW Wisconsin

- One Week Drought Monitor Class Change.
 - Drought Worsened: Not Applicable.
 - No Change: The remainder of the Northland that didn't see drought improve.
 - Drought Improved: Parts of the Arrowhead and South Shore.

U.S. Drought Monitor 1-Week Change Map



Drought Change Since Last Week



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

Data Valid: 12/03/24



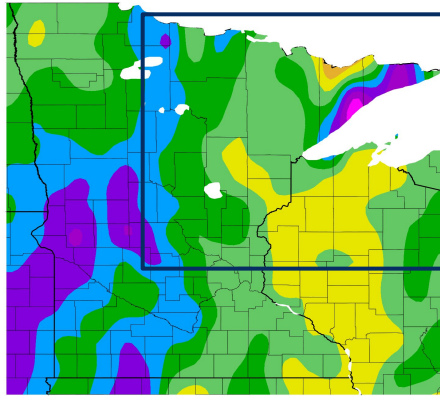


Precipitation

Precipitation (sum of liquid and melted frozen) that was observed in the Northland over the last month

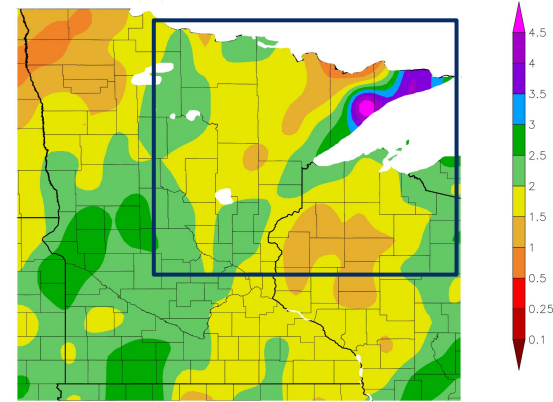
- Regional precipitation in the past month ranges from slightly-below normal to above normal.
 - The North Shore observed a general 3-5 inches of liquid equivalent precipitation.
 - The Interior Arrowhead has seen the lowest precipitation compared to normal over the last month.
 - The remainder of the Northland is within +/- 1 inch of normal rainfall over the past month.

Departure from Normal Precipitation (in)
11/6/2024 - 12/5/2024



Generated 12/6/2024 at HPRCC using provisional data.

Precipitation (in)
11/6/2024 - 12/5/2024



NOAA Regional Climate Centers Generated 12/6/2024 at HPRCC using provisional data.

NOAA Regional Climate Center



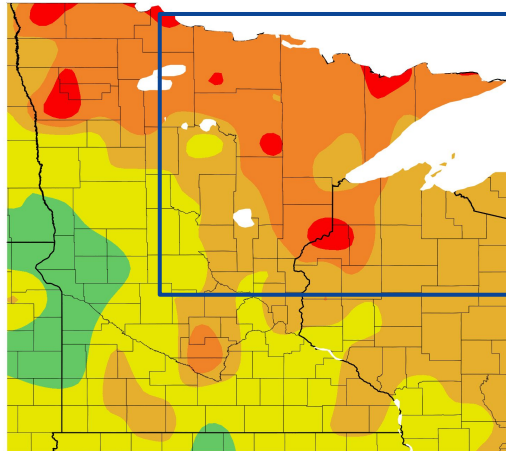


Temperature

Temperatures that were observed in the Northland over the last month

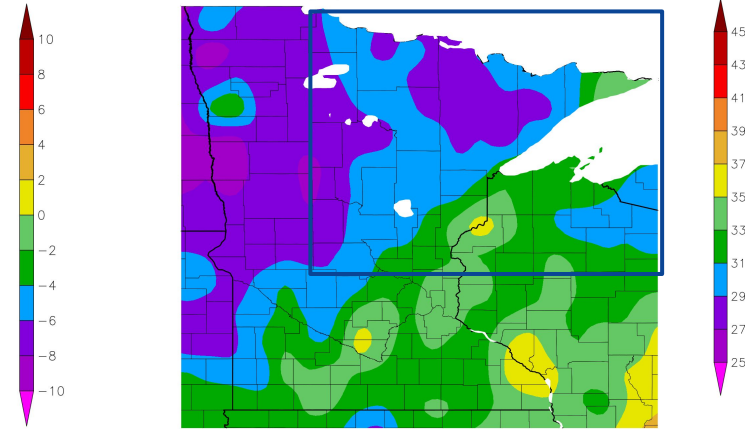
- Temperatures have been an average of 2°F to 6°F above normal across the entire Northland over the past month.

Departure from Normal Temperature (F)
11/6/2024 – 12/5/2024



Generated 12/6/2024 at HPRCC using provisional data.

Temperature (F)
11/6/2024 – 12/5/2024



rated 12/6/2024 at HPRCC using provisional data.

NOAA Regional Climate Centers

NOAA Regional Climate Centers





Summary of Impacts

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

Hydrologic Impacts

- Streamflows are running much-below to a few locations near normal for all of northeast Minnesota. Northwest Wisconsin streamflows are normal to below-normal ([USGS Streamflow](#)).

Agricultural Impacts

- Pockets of well-below normal soil moisture in northeast Minnesota, but the vast majority of the region is only below normal to normal soil moisture ([Soil Moisture](#))

Fire Hazard Impacts

- Fire danger is Low for north-central and northeast Minnesota ([MN Fire Danger](#)). Fire danger is also Low for northwest Wisconsin ([WI Fire Danger](#)).

Other Impacts

- Unknown at this time.

Mitigation Actions

- Burn Restrictions - Burning permits are required in [north-central Minnesota](#).





Hydrologic Conditions and Impacts

- **Northeast Minnesota -**
Streams are running much-below to below normal in much of northeast Minnesota, but a few flowing at normal rates.
- **Northwest Wisconsin -**
Streams are running around normal to below normal in northwest Wisconsin

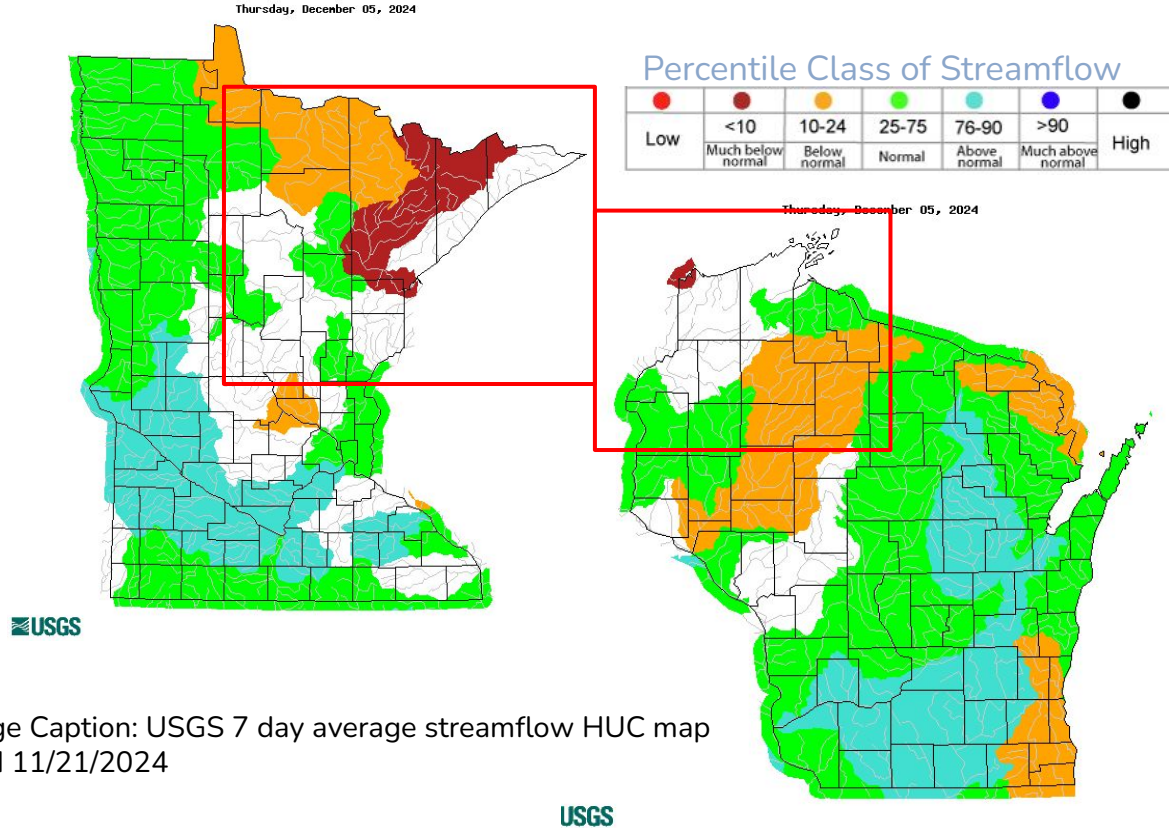


Image Caption: USGS 7 day average streamflow HUC map valid 11/21/2024

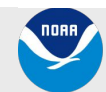
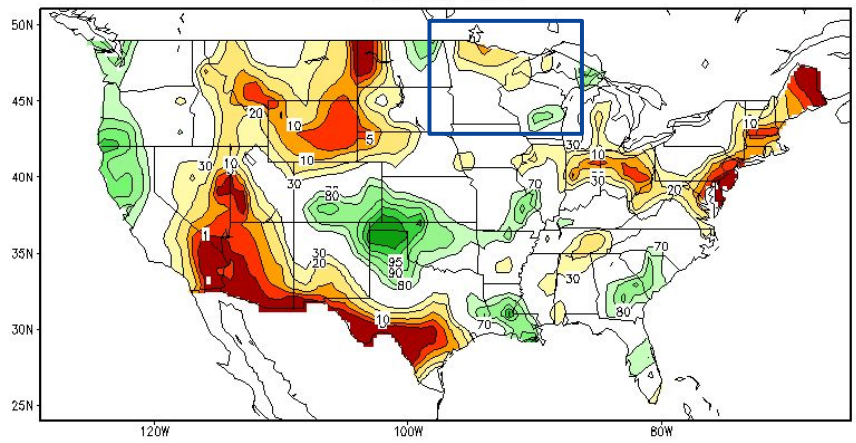




Agricultural Impacts

- Pockets of well-below normal soil moisture in northeast Minnesota, but the vast majority of the region is only below to normal soil moisture

Calculated Soil Moisture Ranking Percentile
DEC 05, 2024

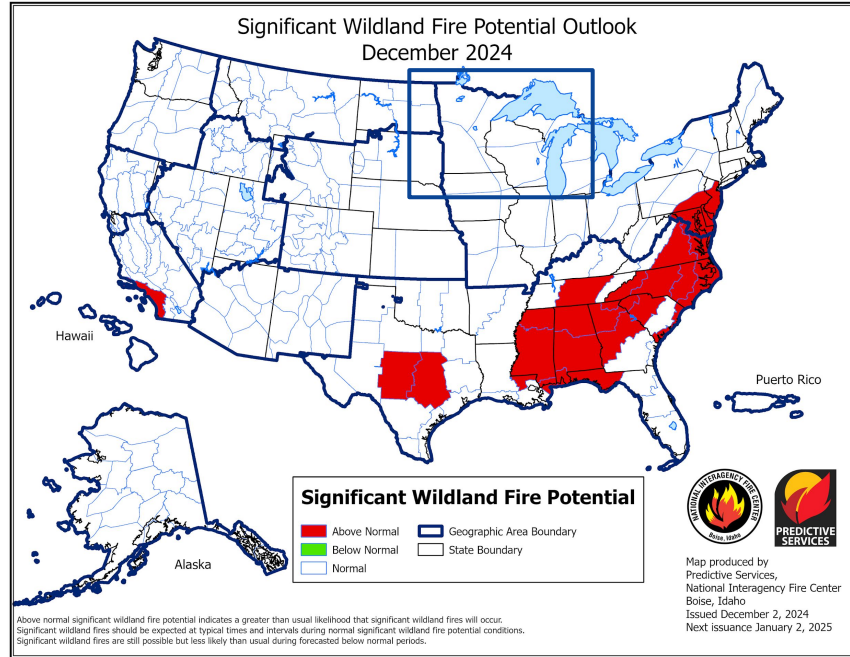




Fire Hazard Impacts

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

- **Significant Wildland Fire Potential** conditions are normal for **December**.



Latest MN burn ban and fire danger information available [here](#).

Latest WI burn ban and fire danger information available [here](#).



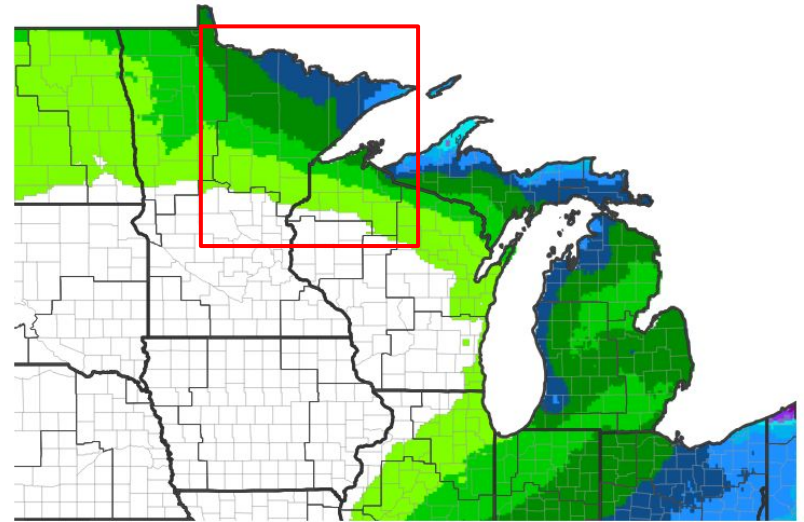


Seven Day Precipitation Forecast

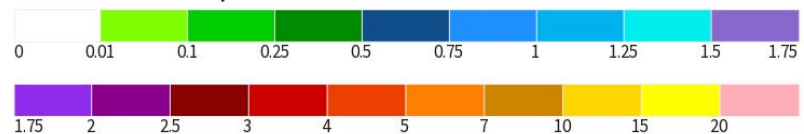
Amount of liquid equivalent precipitation forecast over the next seven days

- A weak clipper moves through northeast Minnesota this evening into Saturday morning to bring a glaze of ice and light snowfall up to a few inches along and north of the Iron Range.
- A larger weather system is forecast for Sunday to bring a tenth of an inch of liquid equivalent precipitation to most of the region, with parts of the Borderlands and Arrowhead seeing up to half-inch of liquid equivalent precipitation.
- South Shore snowbelt locations then see additional light snow chances Tuesday December 10th to Thursday December 12th.

7-Day Quantitative Precipitation Forecast for December 6, 2024–December 13, 2024



Predicted Inches of Precipitation



Source(s): National Weather Service Weather Prediction Center; image courtesy of Drought.gov

Last Updated: 12/06/24





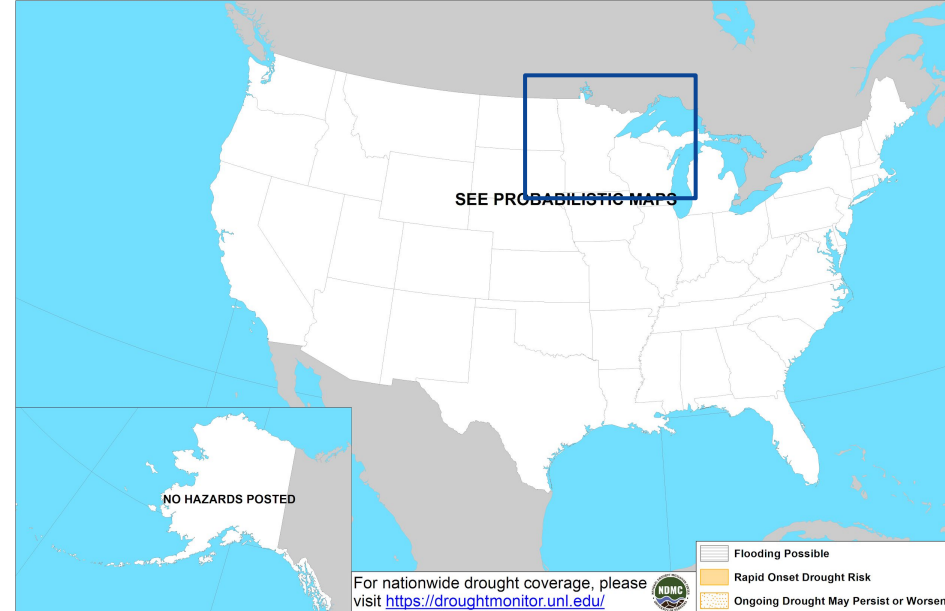
Rapid Onset Drought Outlook

Links to the latest Climate Prediction Center 8 to 14 day [Temperature Outlook](#) and [Precipitation Outlook](#).

- No rapid onset drought expected.



Day 8-14 U.S. Hazards Outlook
Valid: 12/14/2024-12/20/2024



For nationwide drought coverage, please visit <https://droughtmonitor.unl.edu/>



Climate Prediction Center
Made: 12/06/2024 3PM EST

Follow us:
www.cpc.ncep.noaa.gov



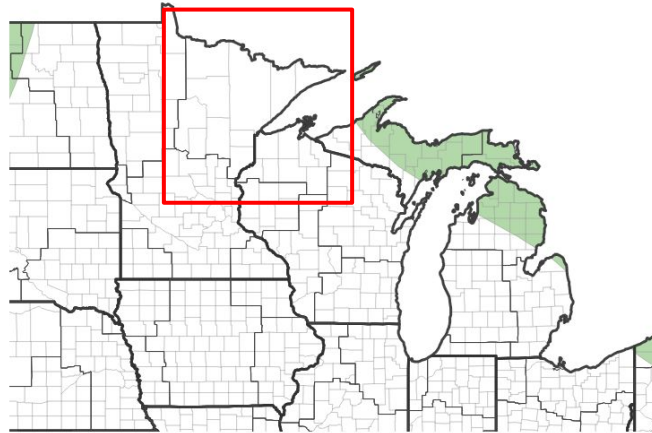


Long-Range Outlooks

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

- Longer-term forecasts show no significant signals for either above normal or below normal temperatures for the month of December.
- Longer-term forecasts show no significant signals for either above normal or below normal precipitation for the month of December.

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



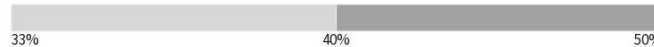
Probability of Below-Normal Precipitation



Probability of Above-Normal Precipitation



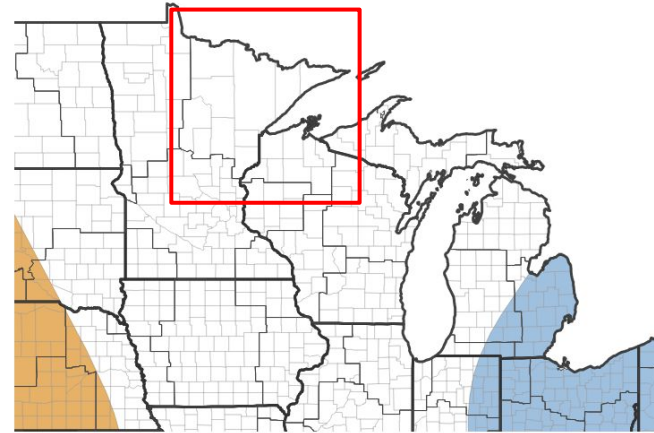
Probability of Near-Normal Precipitation



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

Last Updated: 11/30/24

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



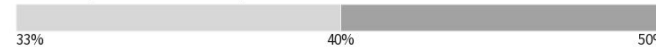
Probability of Below-Normal Temperatures



Probability of Above-Normal Temperatures



Probability of Near-Normal Temperatures



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

Last Updated: 11/30/24



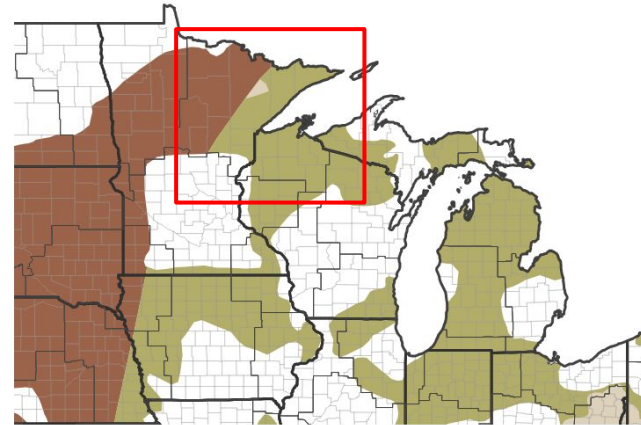


Drought Outlook

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

- Drought is expected to persist in north-central MN, improve in the central Iron Range and end in the Arrowhead to Twin Ports and across all of northwest Wisconsin.

Seasonal (3-Month) Drought Outlook for November 30, 2024–February 28, 2025



Drought Is Predicted To...



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

Last Updated: 11/30/24

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
Duluth, MN