



# Drought Information Statement for NE Minnesota & NW Wisconsin

Valid May 13, 2024

Issued By: NWS Duluth, MN

Contact Information:

- This product will be updated May 27, 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/DLH/DroughtInformationStatement> for previous statements.
  - Please visit <https://www.drought.gov/drought-status-updates/> for regional drought status updates.
- 
- Drought conditions have improved over the past few weeks due to above average rainfall and are expected to continue to see improvement over the next month.



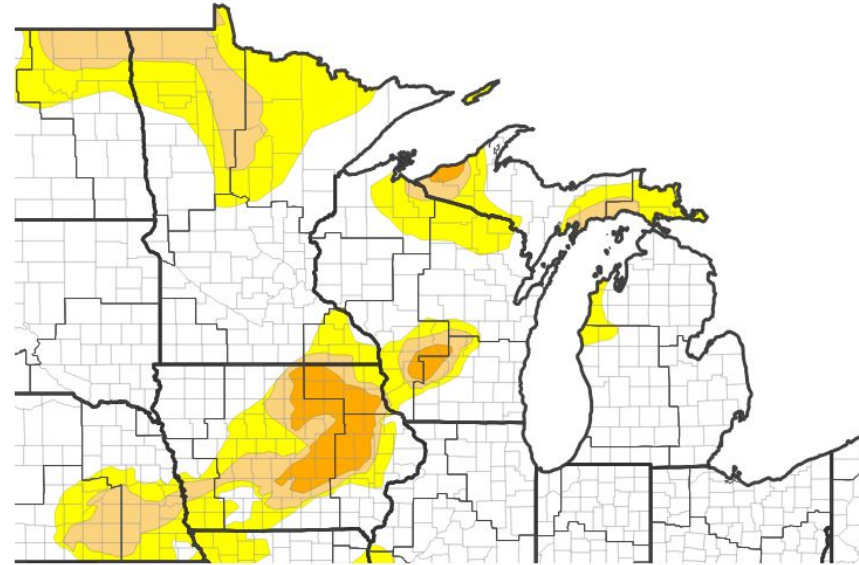


# U.S. Drought Monitor

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

- Drought intensity and Extent
  - **D1 (Moderate Drought)**: Northern Cass, far western Itasca, and far southwestern Koochiching counties in north-central Minnesota. Northern Iron County and the far northeastern sliver of Ashland County in north-central Wisconsin.
  - **D0: (Abnormally Dry)**: The remainder of north-central Minnesota, as well as central and northern St. Louis County and far northwestern Lake County. Eastern Bayfield, northeastern Sawyer, northern Price, Ashland, and southern Iron counties in north-central Wisconsin.

## U.S. Drought Monitor



## U.S. Drought Monitor



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

Data Valid: 05/07/24



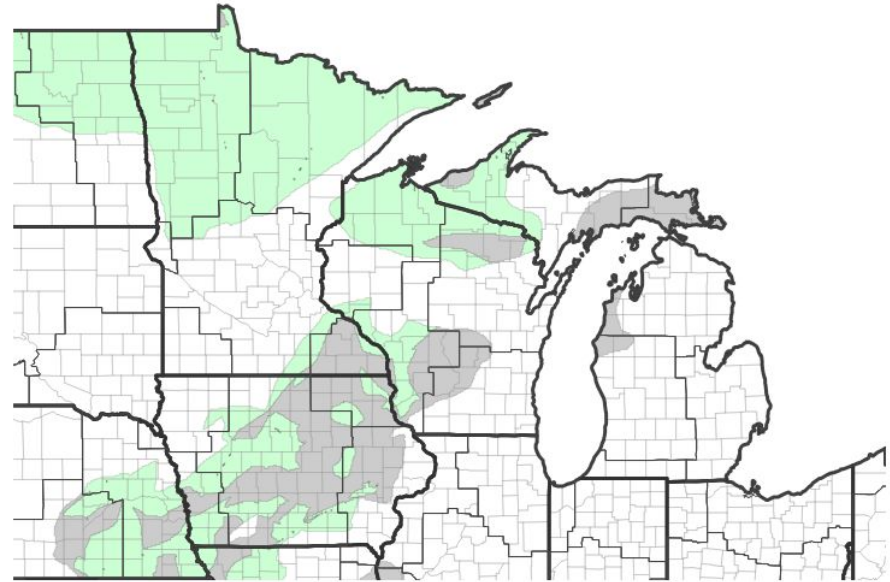


# Recent Change in Drought Intensity

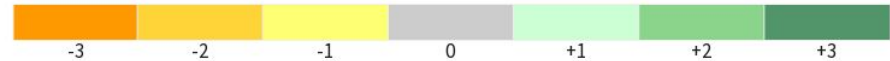
Link to the latest [4-week change map](#) for NE Minnesota and NW Wisconsin

- One Week Drought Monitor Class Change.
  - Drought Worsened: Not Applicable
  - No Change: east-central Price County.
  - Drought Improved: Everywhere else aside for a narrow strip from east-central MN into the North Shore.

## One Week Change in the Drought Intensity As of Tuesday, May 7, 2024



Drought Change Since Last Week



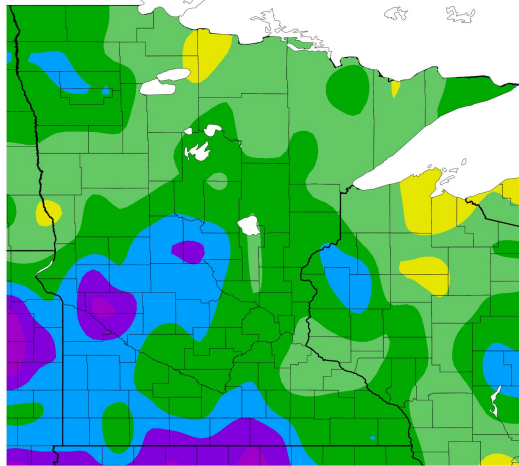


# Precipitation

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

- Regional precipitation in the past month has been above normal, with some pockets of near-normal.
- This rainfall has helped improve drought conditions across much of the Northland over the past few weeks.

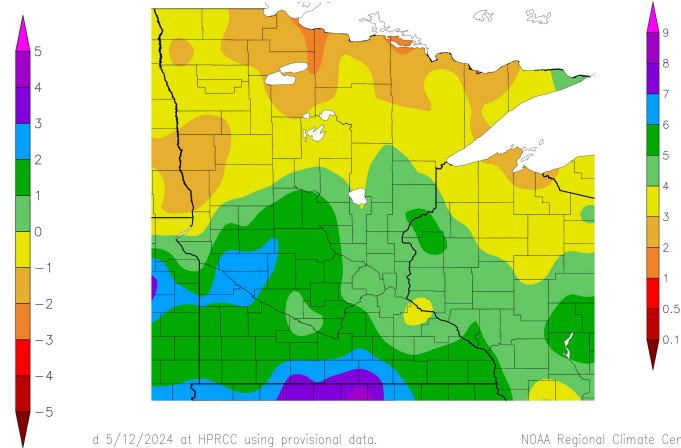
Departure from Normal Precipitation (in)  
4/12/2024 - 5/11/2024



Generated 5/12/2024 at HPRCC using provisional data.

NOAA Regional Climate Centers

Precipitation (in)  
4/12/2024 - 5/11/2024



Generated 5/12/2024 at HPRCC using provisional data.

NOAA Regional Climate Center



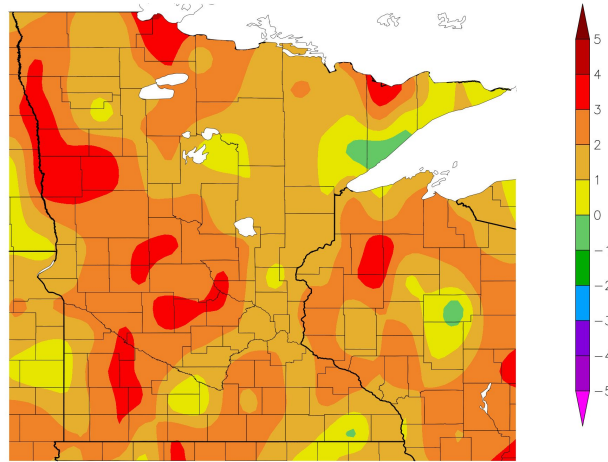


# Temperature

## Temperatures that were observed in the Northland over the last month

- Temperatures have been generally +1 to +3 degrees from normal for most of the Northland during the past month, but closer to normal for the North Shore.

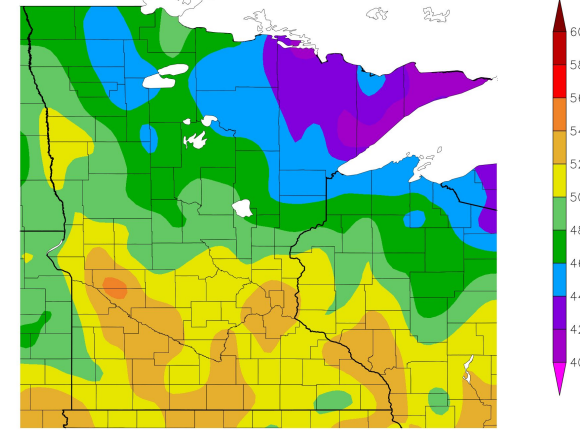
Departure from Normal Temperature (F)  
4/12/2024 - 5/11/2024



Generated 5/12/2024 at HPRCC using provisional data.

NOAA Regional Climate Centers

Temperature (F)  
4/12/2024 - 5/11/2024



rated 5/12/2024 at HPRCC using provisional data.

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 generally running normal around the region, with some pockets of above normal due to recent rains ([USGS Streamflow](#)).

## Agricultural Impacts

- There are no known impacts at this time.

## Fire Hazard Impacts

- Fire danger is moderate to high for most of northeast MN, and very high for far north-central MN ([MN Fire Danger](#)). Fire danger is high to very high for northwest WI ([WI Fire Danger](#)).

## Other Impacts

- There are no known impacts at this time.

## Mitigation Actions

- None reported.





# Hydrologic Conditions and Impacts

- **Northeast Minnesota** - Streams are running near normal for most basins.
- **Northwest Wisconsin** - All of northwest Wisconsin is running near-normal to above normal.

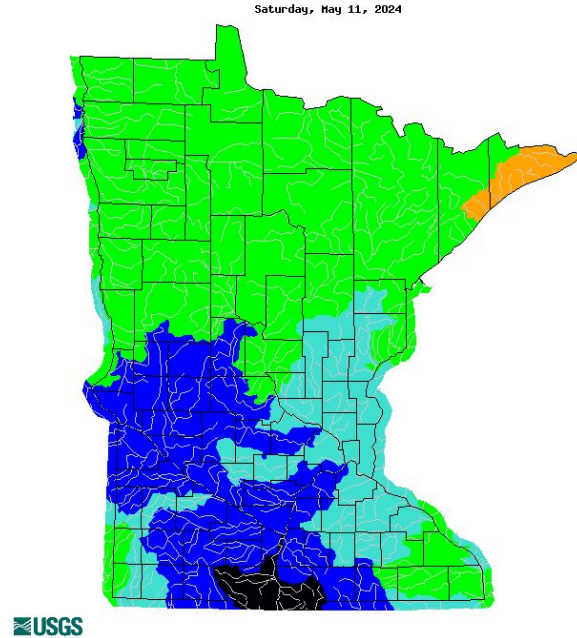
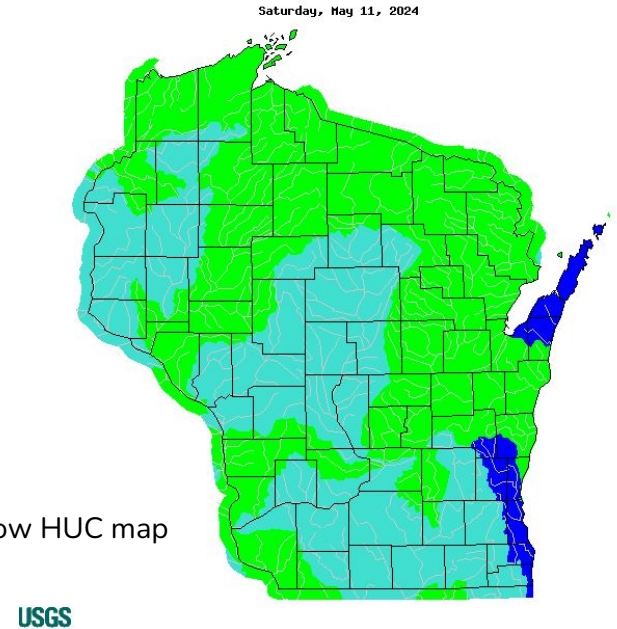


Image Caption: USGS 7 day average streamflow HUC map valid 5/11/2024

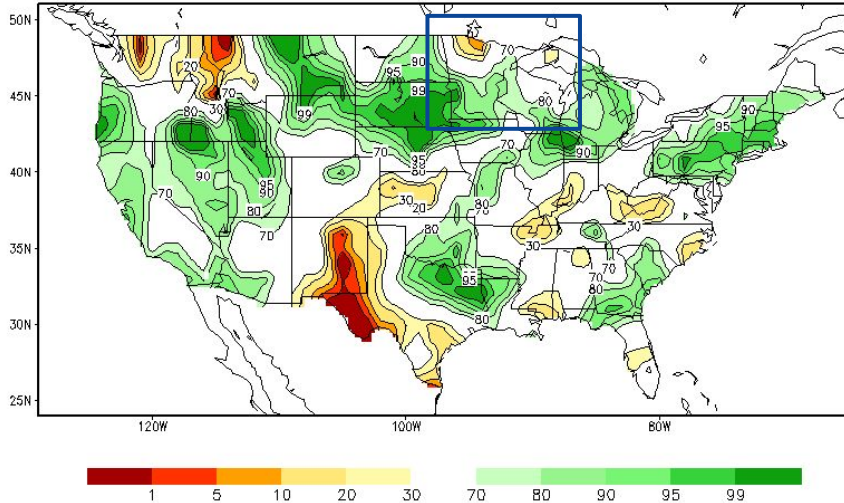




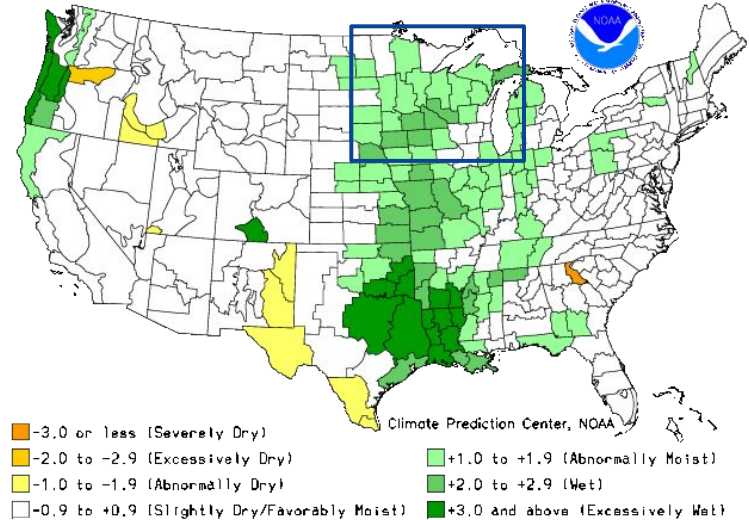
# Agricultural Impacts

- Soil moisture is generally around to slightly above average in the Northland.

Calculated Soil Moisture Ranking Percentile  
MAY 11, 2024



Crop Moisture Index by Division  
Weekly Value for Period Ending MAY 4, 2024  
Short Term Need vs. Available Water in a Shallow Soil Profile





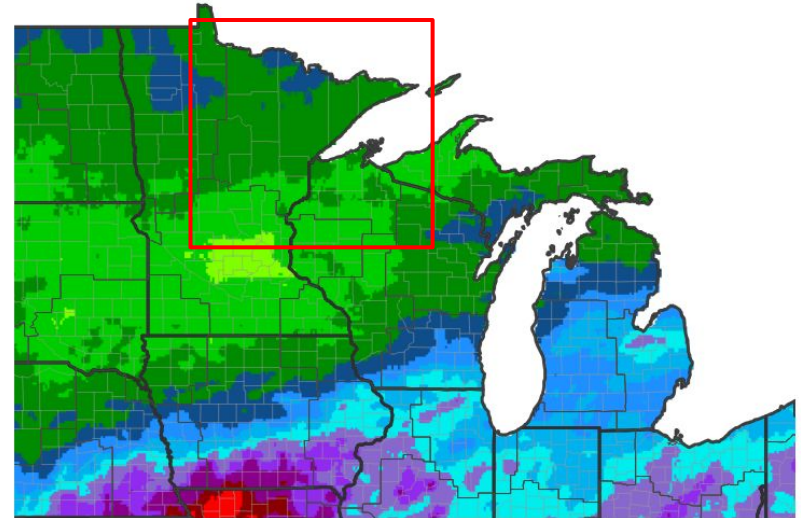


# Seven Day Precipitation Forecast

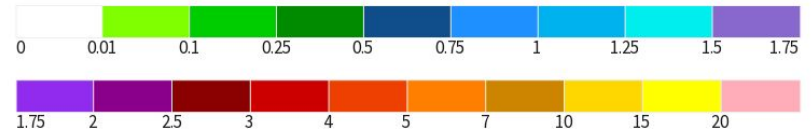
Amount of liquid equivalent precipitation forecast over the next seven days

- A series of low pressure systems will move through the region during the week of 5/13, one on Wed-Thu (5/15-5/16) and more Fri-Sun (5/17-5/19).
- Precipitation will be in the form of showers and some thunderstorms.
- Most of the rain will be on the lighter side, with widespread rainfall amounts of 0.1-0.5 inches expected. Some localized higher amounts will be possible with any thunderstorms.

## 7-Day Quantitative Precipitation Forecast



Predicted Inches of Precipitation



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

Data Valid: 05/12/24





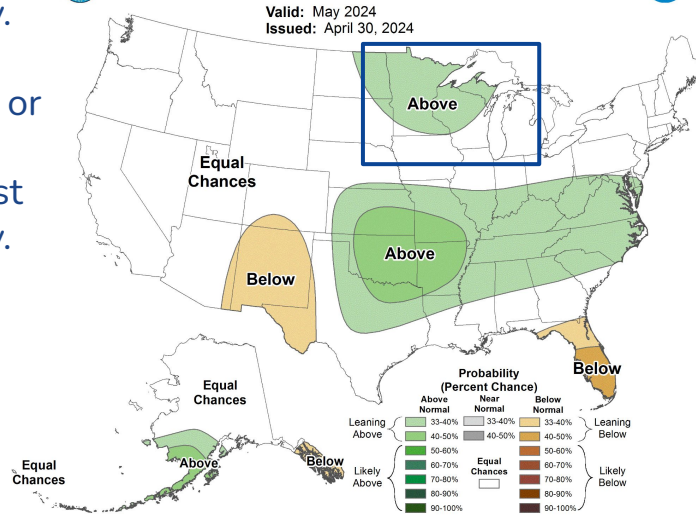
# Long-Range Outlooks

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

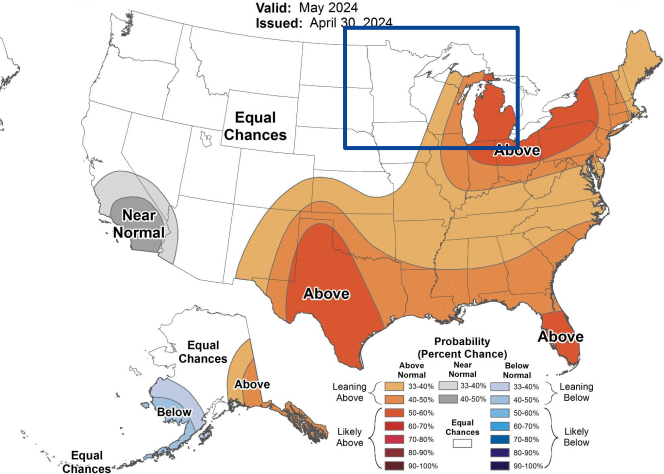
- Longer-term forecasts show a slight favoring of above normal precipitation for the remainder of May.
- Equal chances for above or below normal temperatures are forecast for the remainder of May.



## Monthly Precipitation Outlook



## Monthly Temperature Outlook



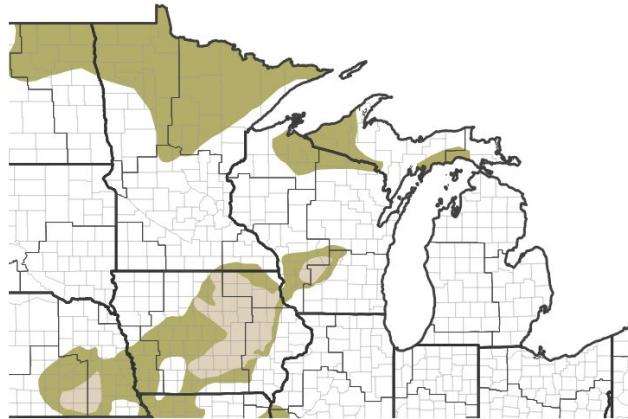


# Drought Outlook

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

- Areas that are currently experiencing drought are predicted to see drought end within the next month.

1-Month Drought Outlook



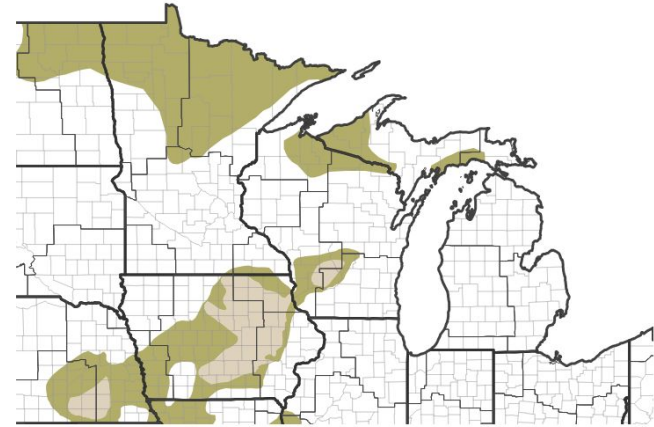
Drought Is Predicted To...



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

Data Valid: 04/30/24

Seasonal (3-Month) Drought Outlook



Drought Is Predicted To...



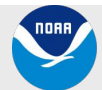
Source(s): Climate Prediction Center; image courtesy of Drought.gov

Data Valid: 04/30/24

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