



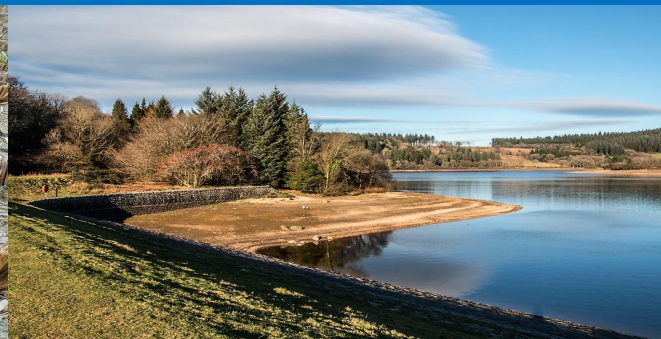
Drought Information Statement for NE Minnesota & NW Wisconsin

Valid December 28, 2023

Issued By: NWS Duluth

Contact Information:

- This product will be updated January 12, 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.

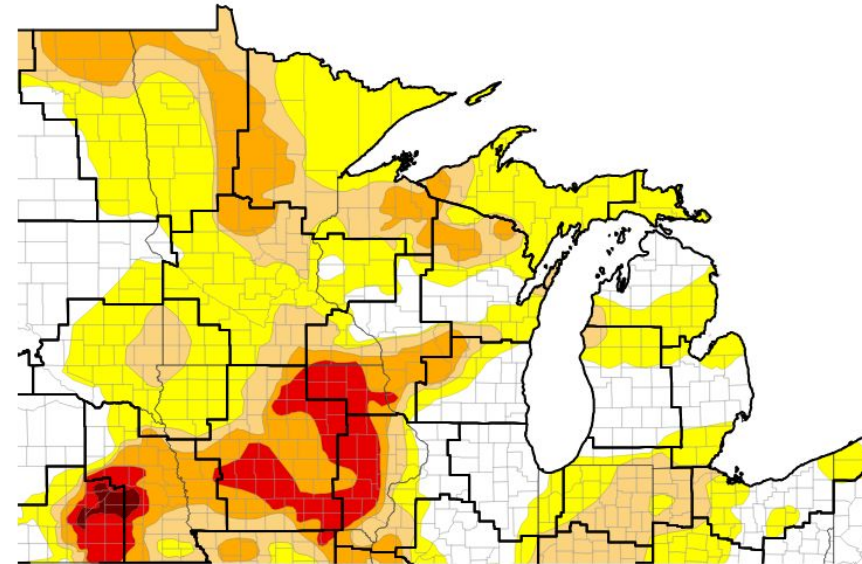




U.S. Drought Monitor

Link to the [latest U.S. Drought Monitor](#) for NE Minnesota and NW Wisconsin

- Drought conditions persist across Northland.
- Drought intensity and extent
 - D2 (Severe Drought): North-Central Minnesota around the Brainerd Lakes and Walker, and northwest Wisconsin especially in Ashland/Iron Counties
 - D1 (Moderate Drought): Most of north-central Minnesota and nearly all of northwest Wisconsin
 - D0: (Abnormally Dry): Arrowhead of Minnesota



U.S. Drought Monitor

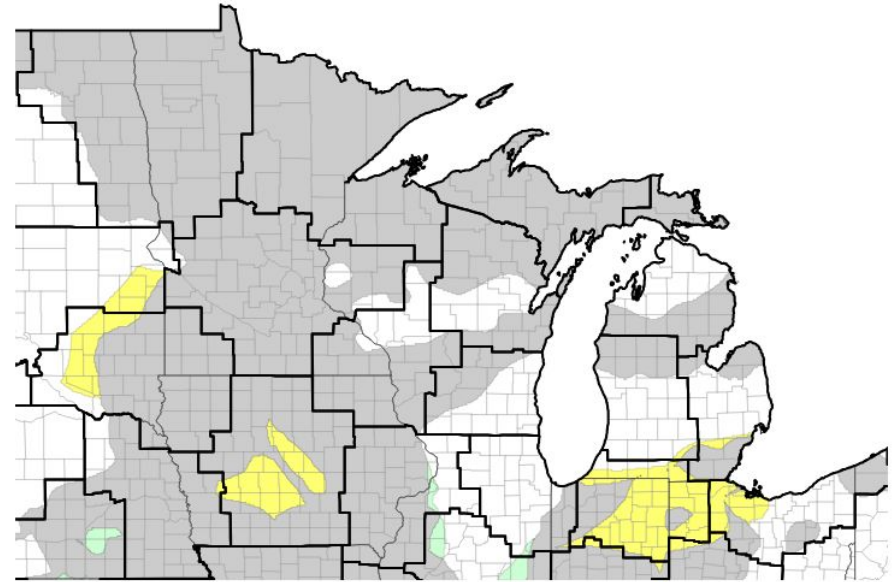




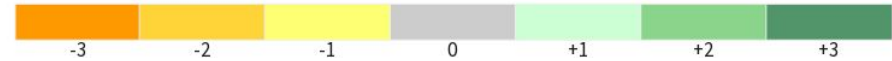
Recent Change in Drought Intensity

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

- Four Week Drought Monitor Class Change.
 - Drought Worsened: Nowhere
 - No Change: Everywhere across the region
 - Drought Improved: Nowhere



Drought Change Since Last Week

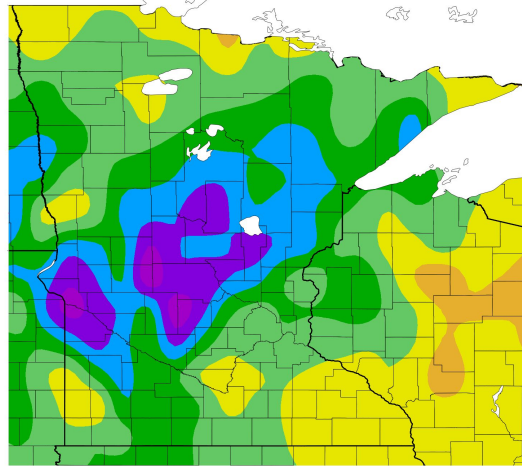




Precipitation

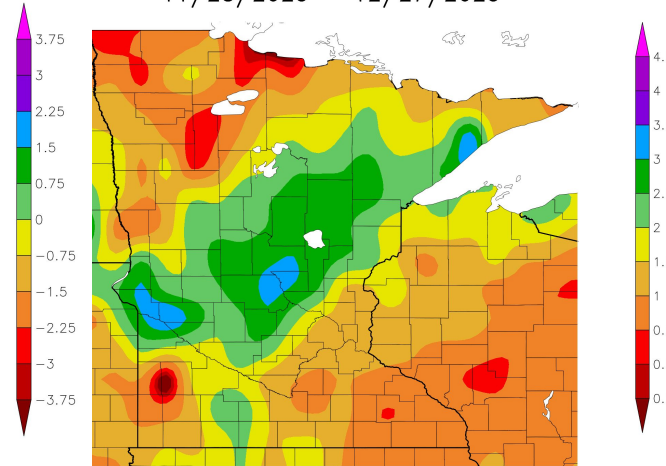
- Regional precipitation in the past month has been above normal from central Minnesota towards the Twin Ports and parts of the North Shore
- Areas bordering Canada and also most of northwest Wisconsin have observed below normal rainfall

Departure from Normal Precipitation (in)
11/28/2023 – 12/27/2023



Generated 12/28/2023 at HPRCC using provisional data.

Precipitation (in)
11/28/2023 – 12/27/2023



NOAA Regional Climate Centers 023 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 high around the region due to recent moderate rainfall over the past week.

Agricultural Impacts

- No recent reports.

Fire Hazard Impacts

- Fire danger is low across northeast Minnesota and low across northwest Wisconsin.

Other Impacts

- There are no known impacts at this time.

Mitigation Actions

- None reported.





Hydrologic Conditions and Impacts

- Streamflows are running around normal to high around the region due to recent moderate rainfalls over the past week.

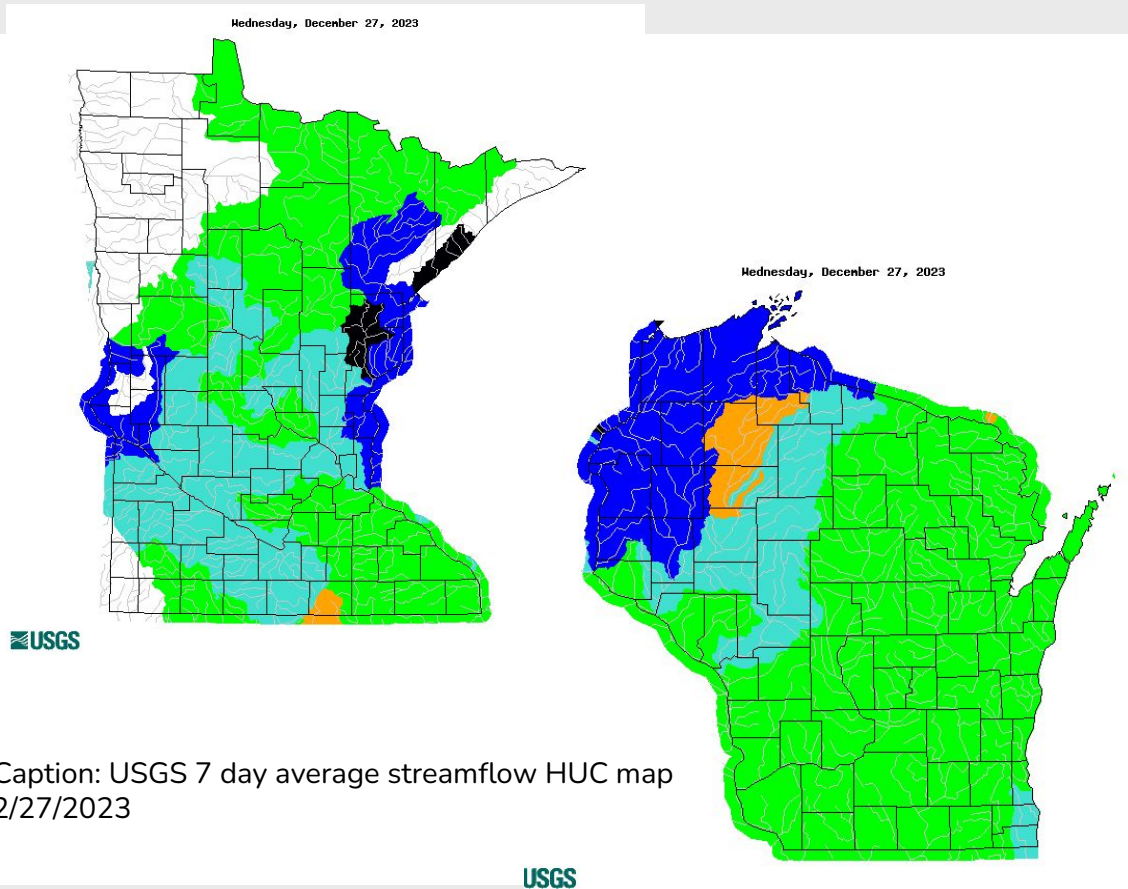


Image Caption: USGS 7 day average streamflow HUC map valid 12/27/2023

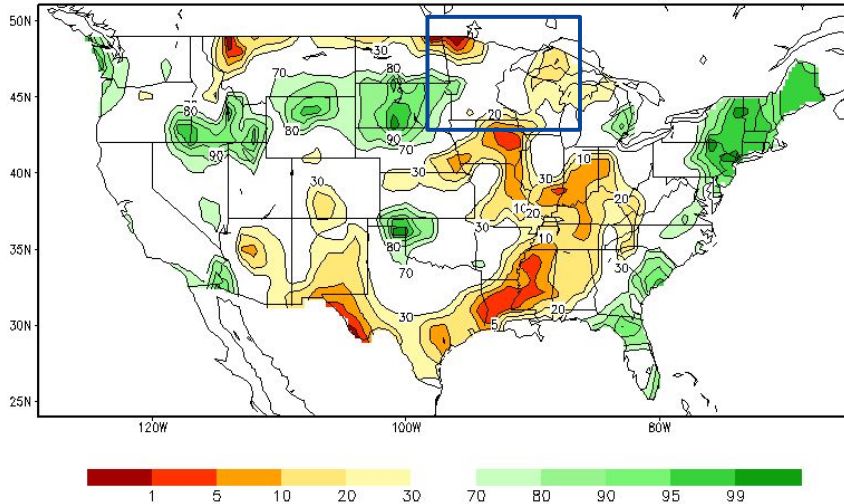




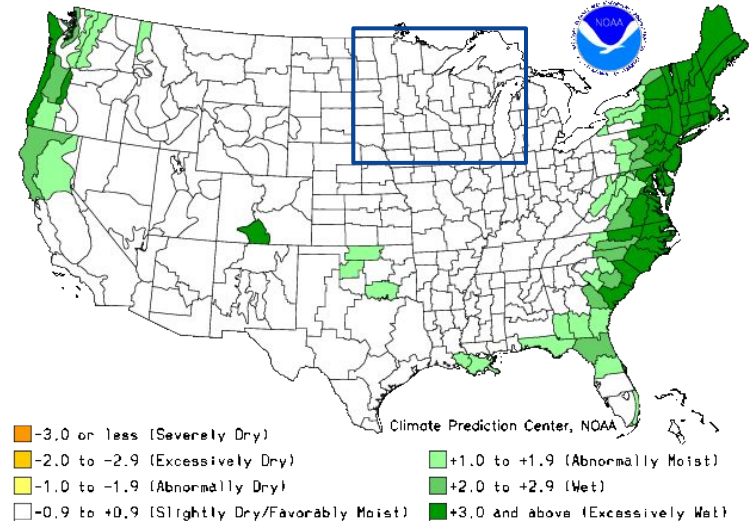
Agricultural Impacts

- Soil moisture is generally around average to slightly below average around the region.

Calculated Soil Moisture Ranking Percentile
DEC 27, 2023



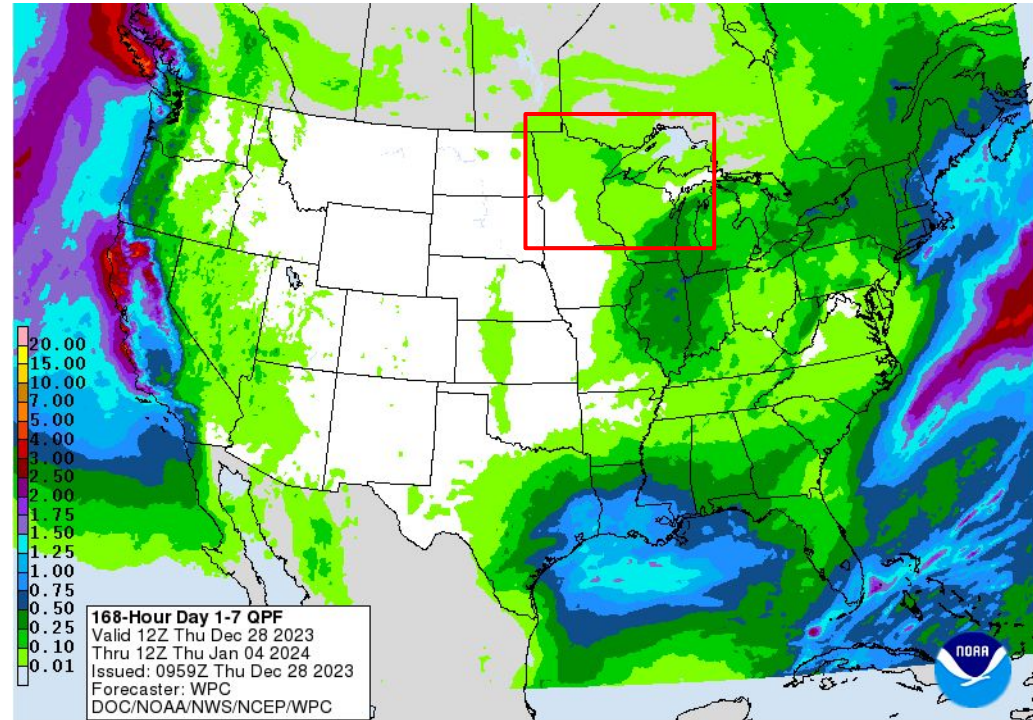
Crop Moisture Index by Division
Weekly Value for Period Ending DEC 23, 2023
Short Term Need vs. Available Water in a Shallow Soil Profile





Seven Day Precipitation Forecast

- Some light amounts of precipitation are in the forecast over the next week, especially for areas around Lake Superior.
- This precipitation is likely to fall mostly as snow.

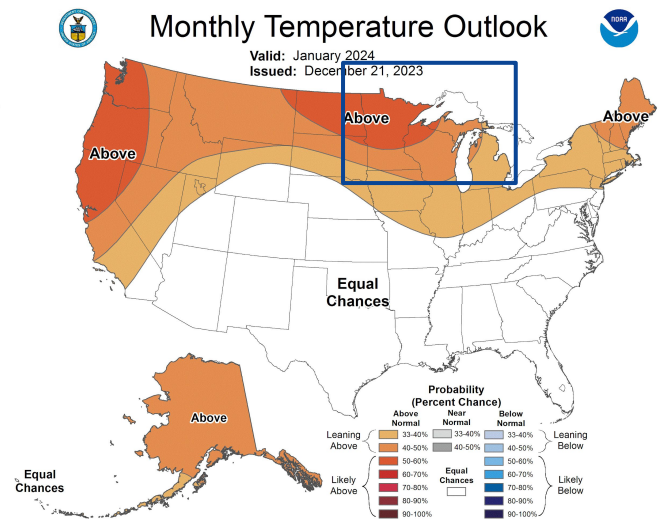
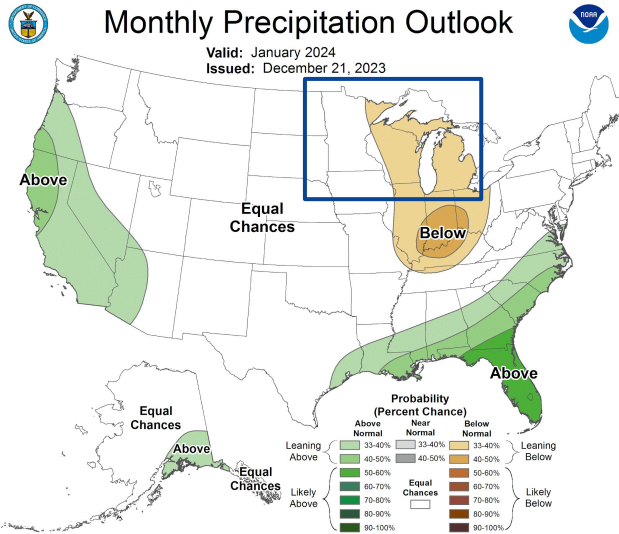




Long-Range Outlooks

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

- Generally around to below normal precipitation is likely going into January.
- Above normal temperatures are likely for January





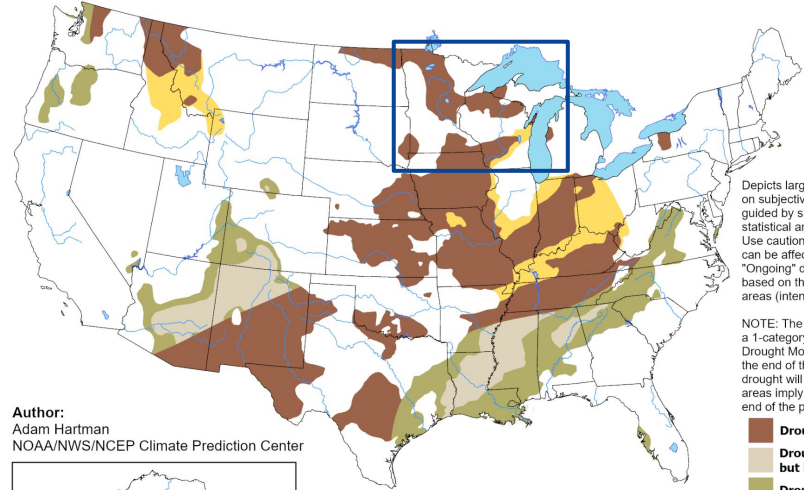
Drought Outlook

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

- Areas that are currently experiencing drought may see drought persist over the next three months.
- Recent rains may lead to some short-term improvements in drought conditions.

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

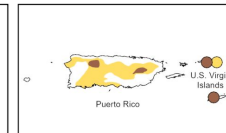
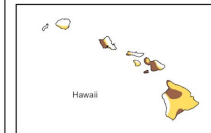
Valid for December 21, 2023 - March 31, 2024
Released December 21, 2023



Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

Author:
Adam Hartman
NOAA/NWS/NCEP Climate Prediction Center



- Drought persists
- Drought remains, but improves
- Drought removal likely
- Drought development likely
- No drought



<https://go.usa.gov/3eZ73>

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