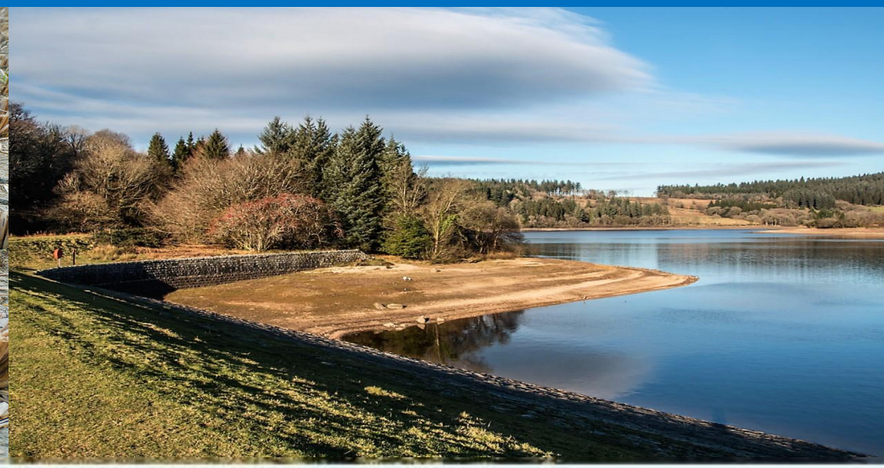
Drought Information Statement for Southern Wisconsin

Valid Dec. 21, 2023

Issued By: NWS Milwaukee

Contact Information: nws.milwaukee@noaa.gov

- This product will be updated Jan. 18, 2023 or sooner if conditions change considerably.
- Please see all currently available products at **https://drought.gov/drought-information-statements**
- Please visit **https://www.weather.gov/mkx/DroughtInformationStatement** for previous statements.

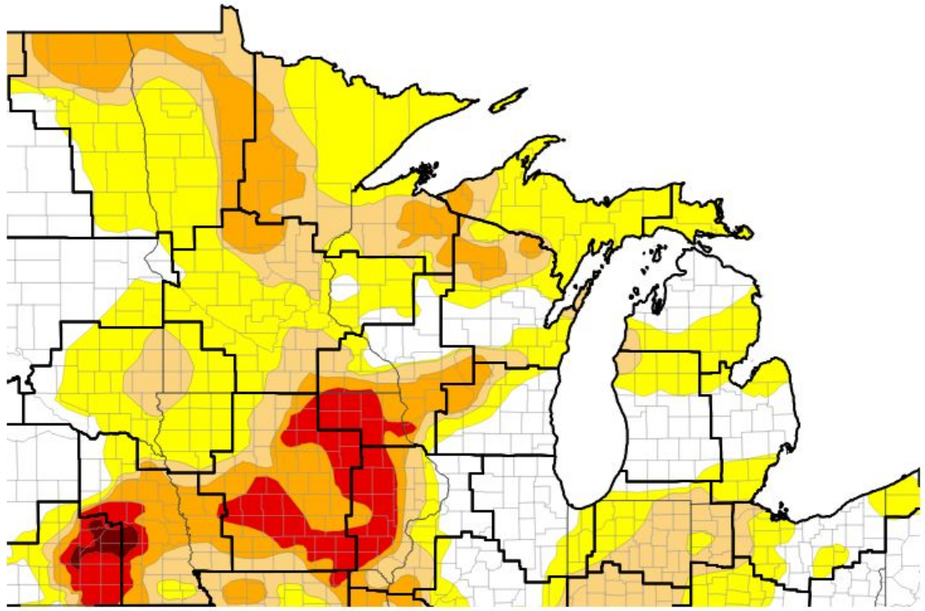


Wisconsin Drought Update

December 21, 2023
12:09 PM

- No change in drought intensity this week and no significant changes within the past month, but below normal precip was observed over the drought area.
- Moderate to Severe drought continues over Sauk, Marquette, and portions of Columbia and Green Lake Counties.
- However, above normal precip is expected over the next week.

U.S. Drought Monitor



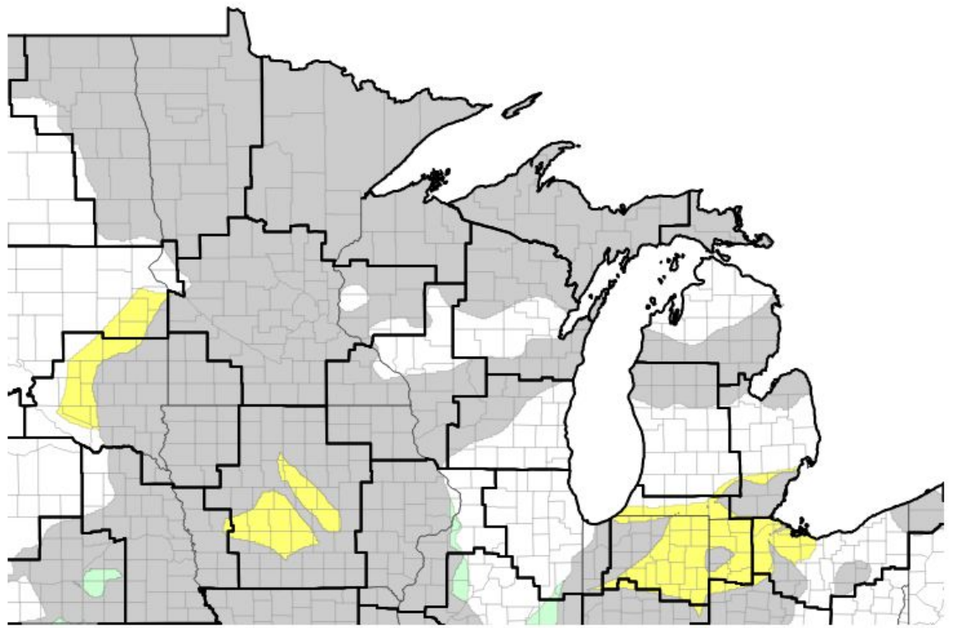
U.S. Drought Monitor

Abnormally Dry (D0) | Moderate Drought (D1) | Severe Drought (D2) | Extreme Drought (D3) | Exceptional Drought (D4)

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

Data Valid: 12/19/23

U.S. Drought Monitor 1-Week Change Map



Drought Change Since Last Week

-3 | -2 | -1 | 0 | +1 | +2 | +3

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

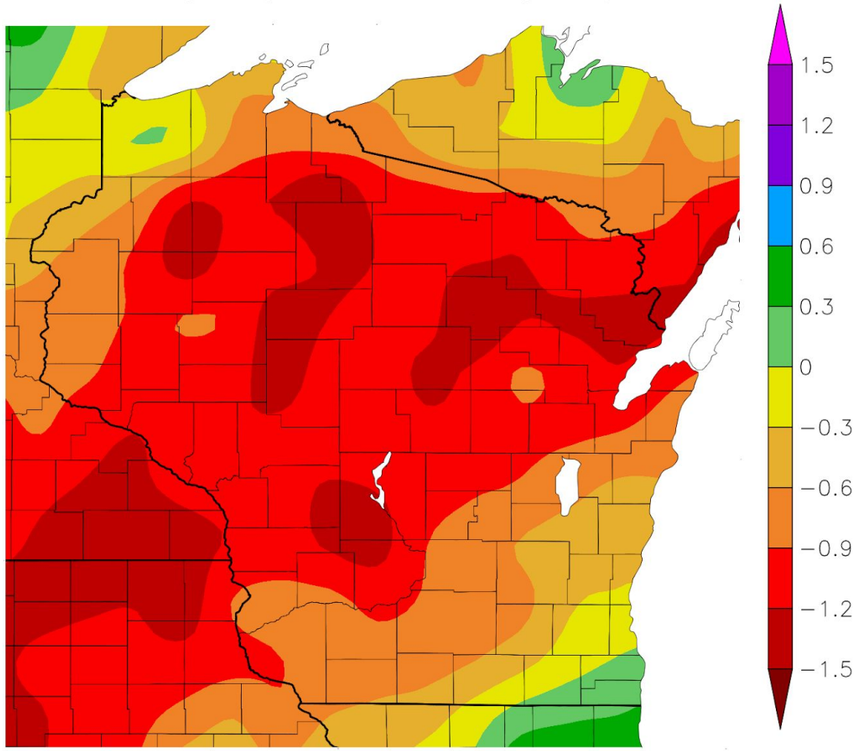
Data Valid: 12/19/23

Precipitation

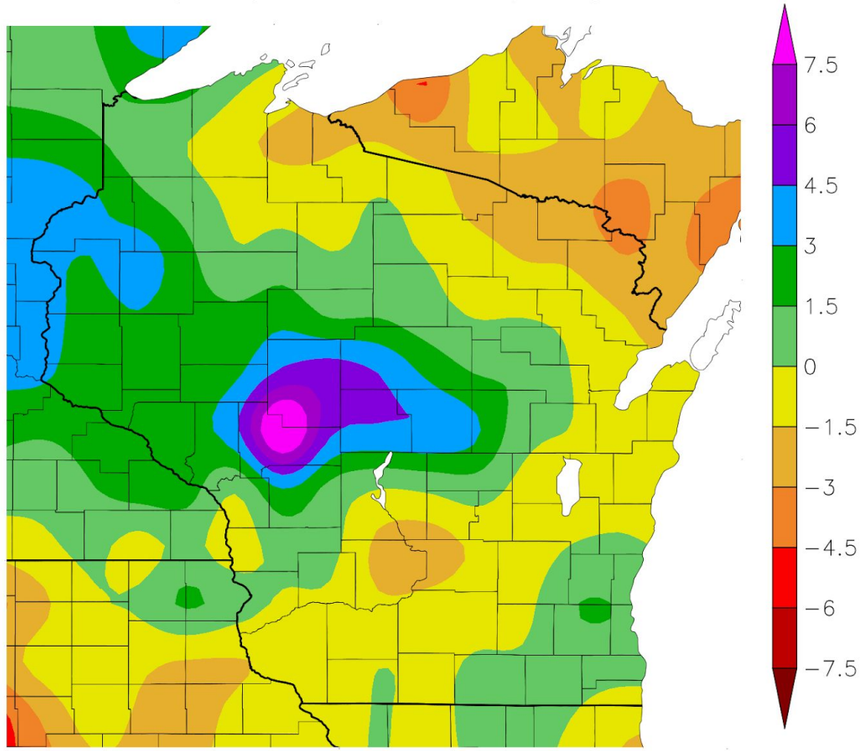
December 21, 2023
12:09 PM

- Precipitation deficits over the past month have run 0.5-1.5 inches over much of central and southwest WI.
- Precipitation over the past 3 months is largely right around normal with areas in the southeast and toward west-central WI running above normal.
- No major deviations in rainfall from normal over the past 3 months has kept our drought conditions fairly steady.

Departure from Normal Precipitation (in)
11/20/2023 – 12/19/2023



Departure from Normal Precipitation (in)
9/21/2023 – 12/19/2023

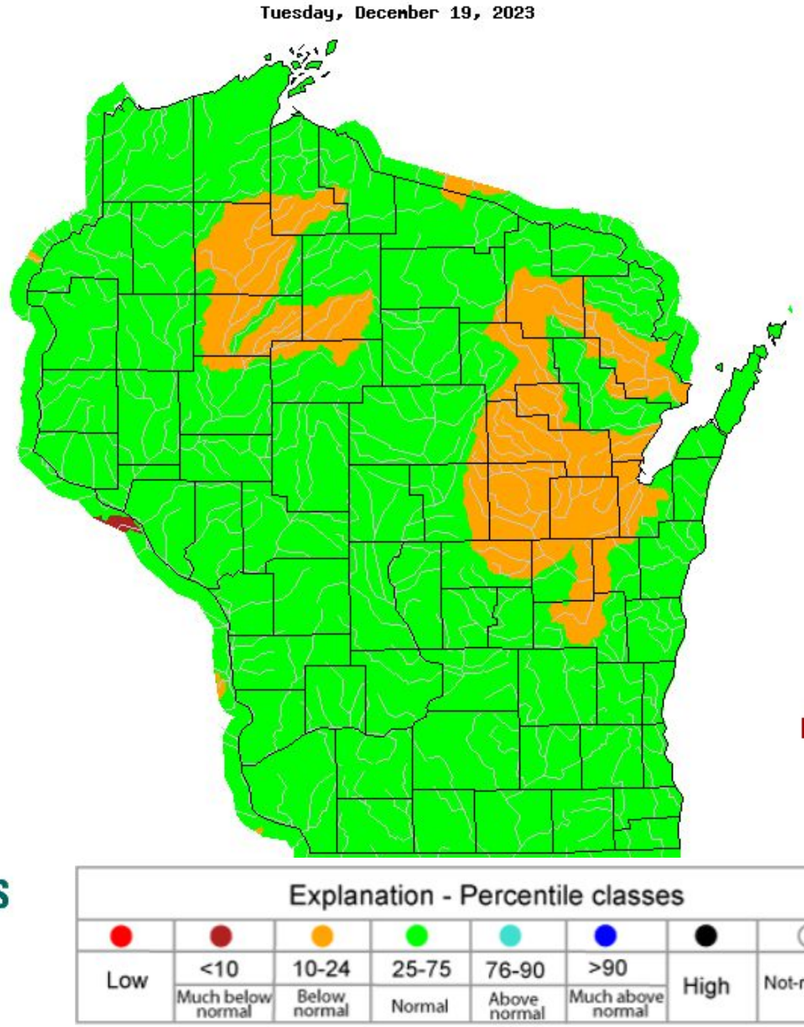


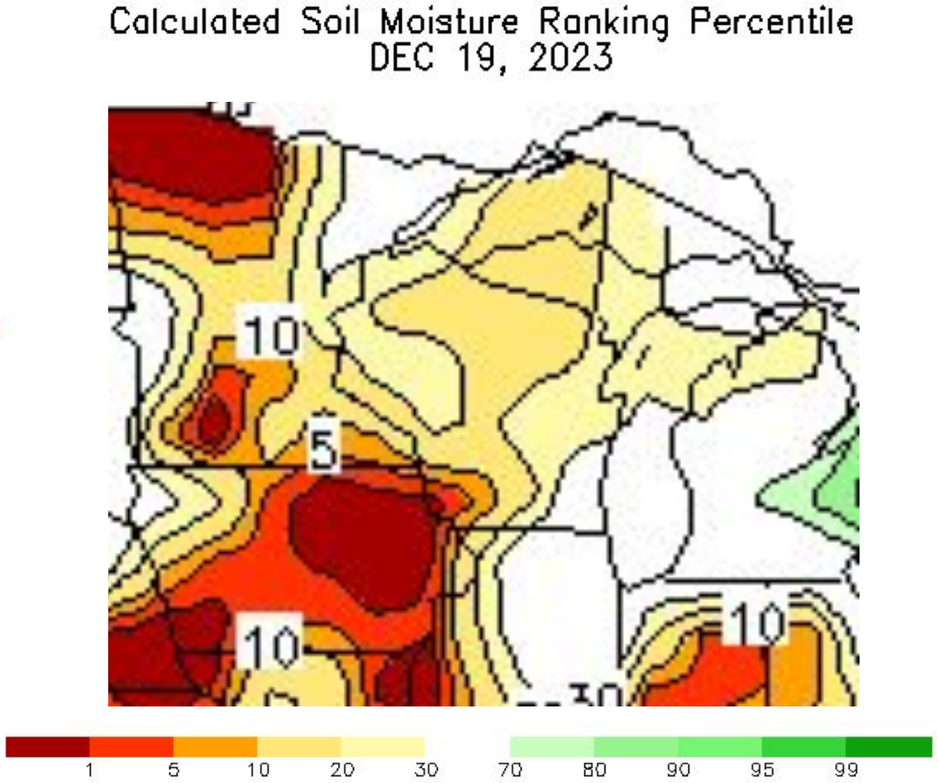
Current Conditions

December 21, 2023
12:09 PM

- Portions of southwest WI and to a lesser degree central WI continues to experience dry soils, which includes subsoil moisture, as reported by CPC and the USDA Crop Progress & Conditions report.
- Much of the rivers streamflows are near normal (25-75%) across southern WI, especially in the drought areas.

28 Day Streamflow



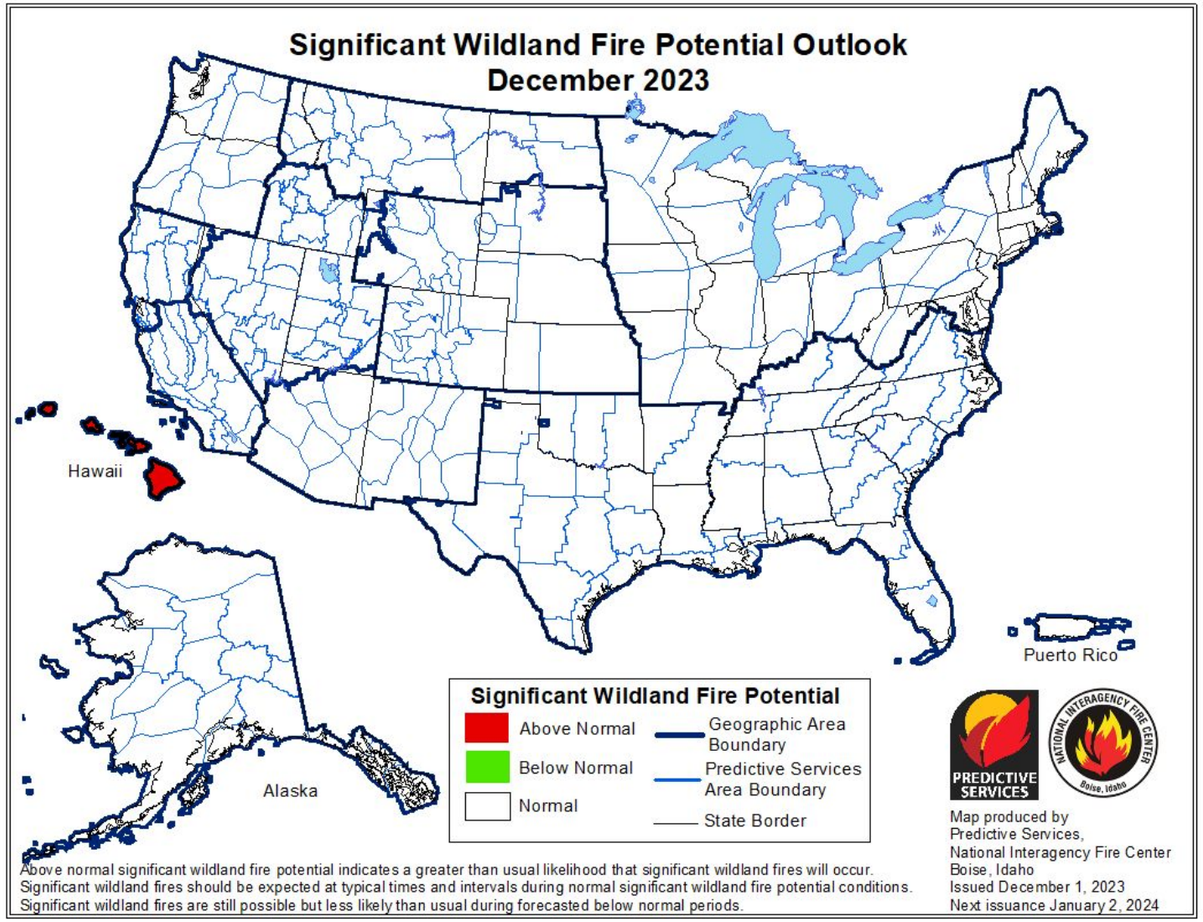


Fire Hazard Impacts

December 21, 2023
12:09 PM

Link to Wildfire Potential Outlooks from the National Interagency Coordination Center

- Significant Wildland Fire Potential Outlook from the National Interagency Coordination Center indicates normal wildland fire potential for the remainder of December.
- WI DNR Fire Danger is rated low for S WI.
- Wildfires will remain possible if rain and snow remains below normal, though the forecast suggests the rest of December will be on the wet side.



Latest WI DNR Fire Danger map available here and DNR Burn Restrictions available here.

Image Caption: Significant Wildland Fire Potential Monthly Outlook

Summary of Impacts

December 21, 2023
12:09 PM

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

Hydrologic Impacts

- Streamflows are in the normal range, 25-75th percentile.

Agricultural Impacts

- No agricultural impacts expected at this time.

Fire Hazard Impacts

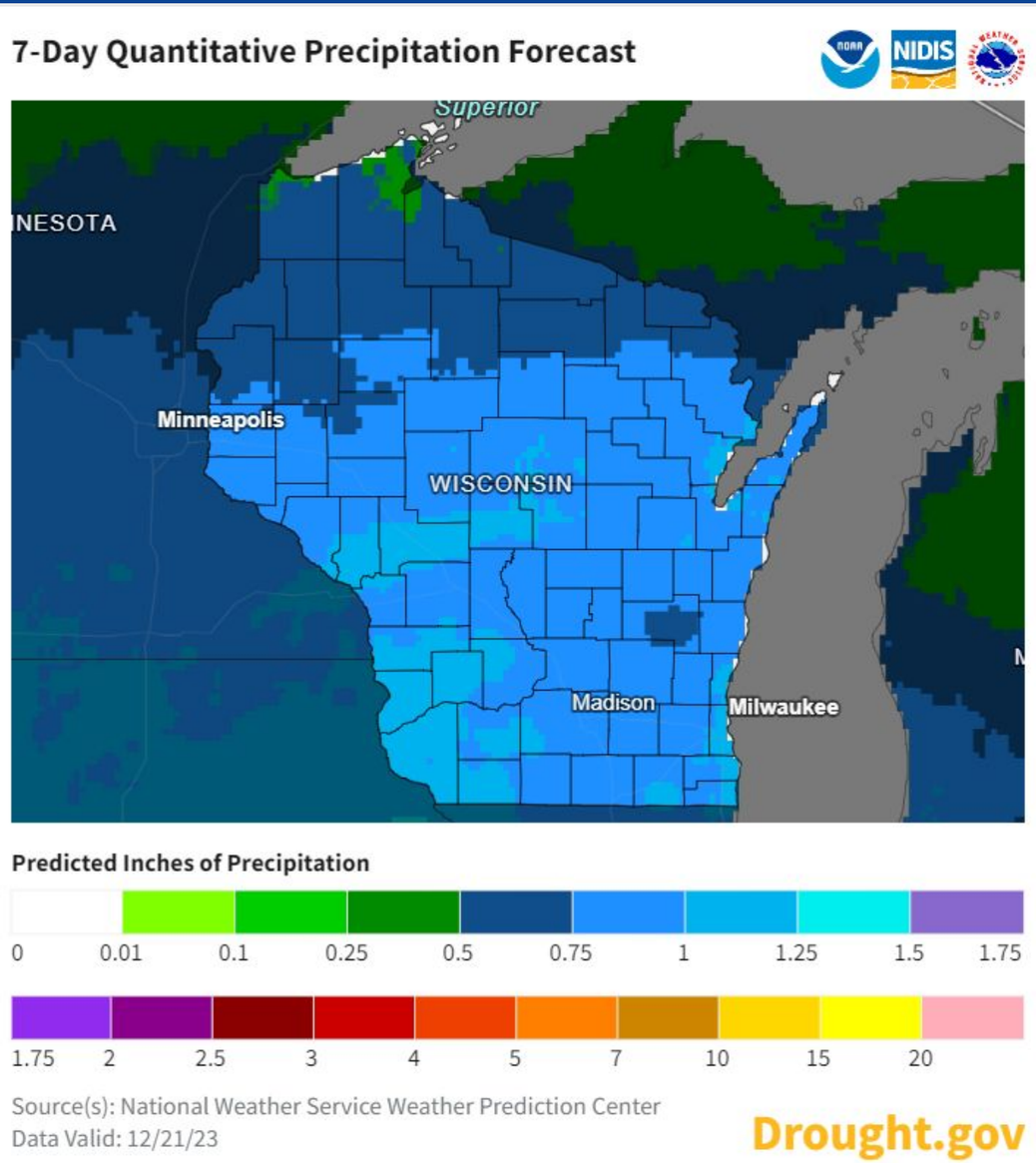
- The WI DNR Fire Danger is rated low for southern WI.

Mitigation Actions

- No known actions.

7 Day Precipitation Forecast

December 21, 2023
12:09 PM

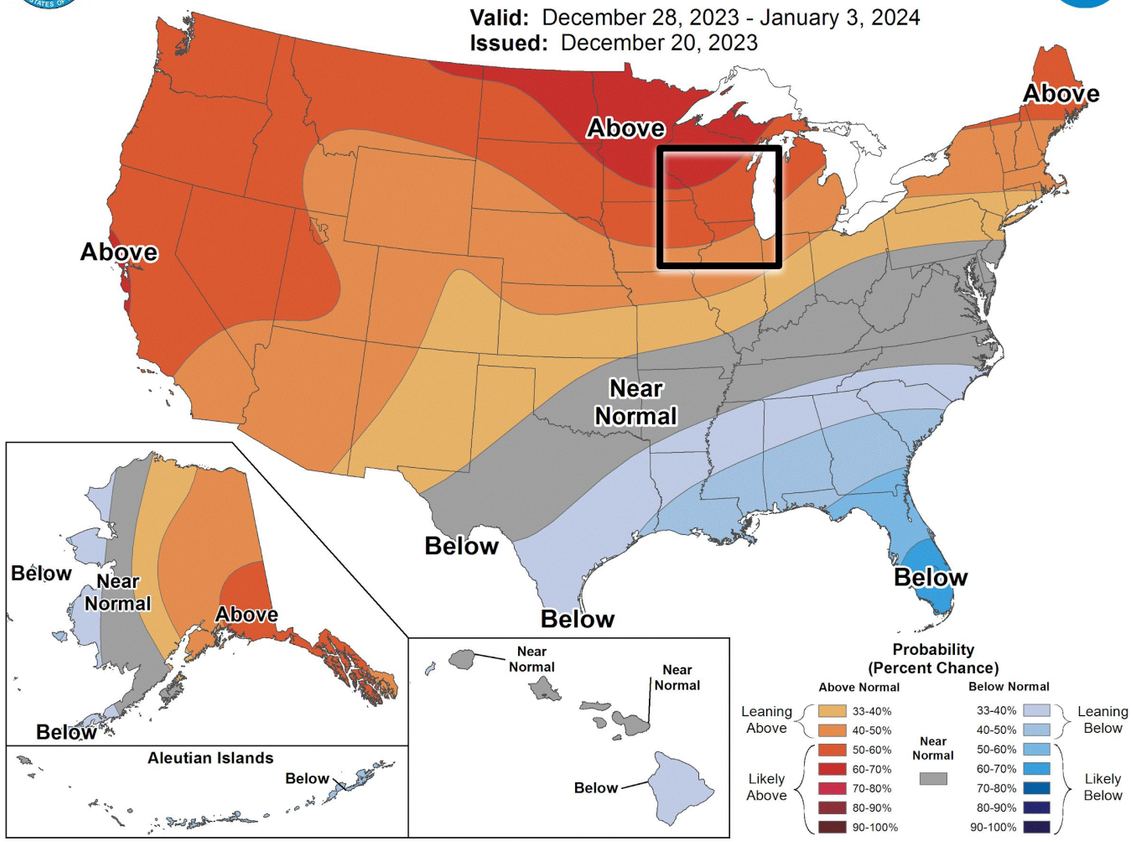


- Above normal precipitation over the next 7 days with 0.5-1.25 inches expected
- Well above normal temperatures will allow for all precipitation to fall as rain.
- Some relief would be expected from the coming rainfall but long term drought conditions will likely remain.

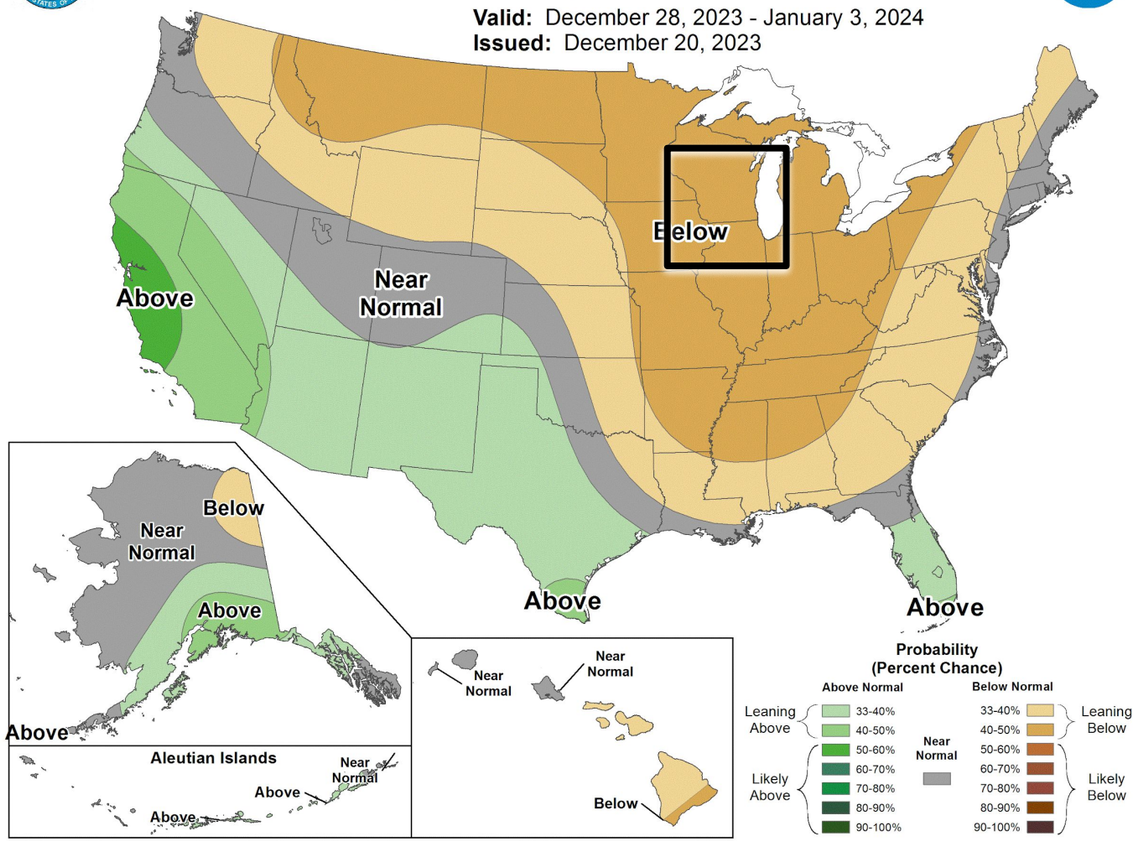
Week 2 Outlook

December 21, 2023
12:09 PM

8-14 Day Temperature Outlook



8-14 Day Precipitation Outlook



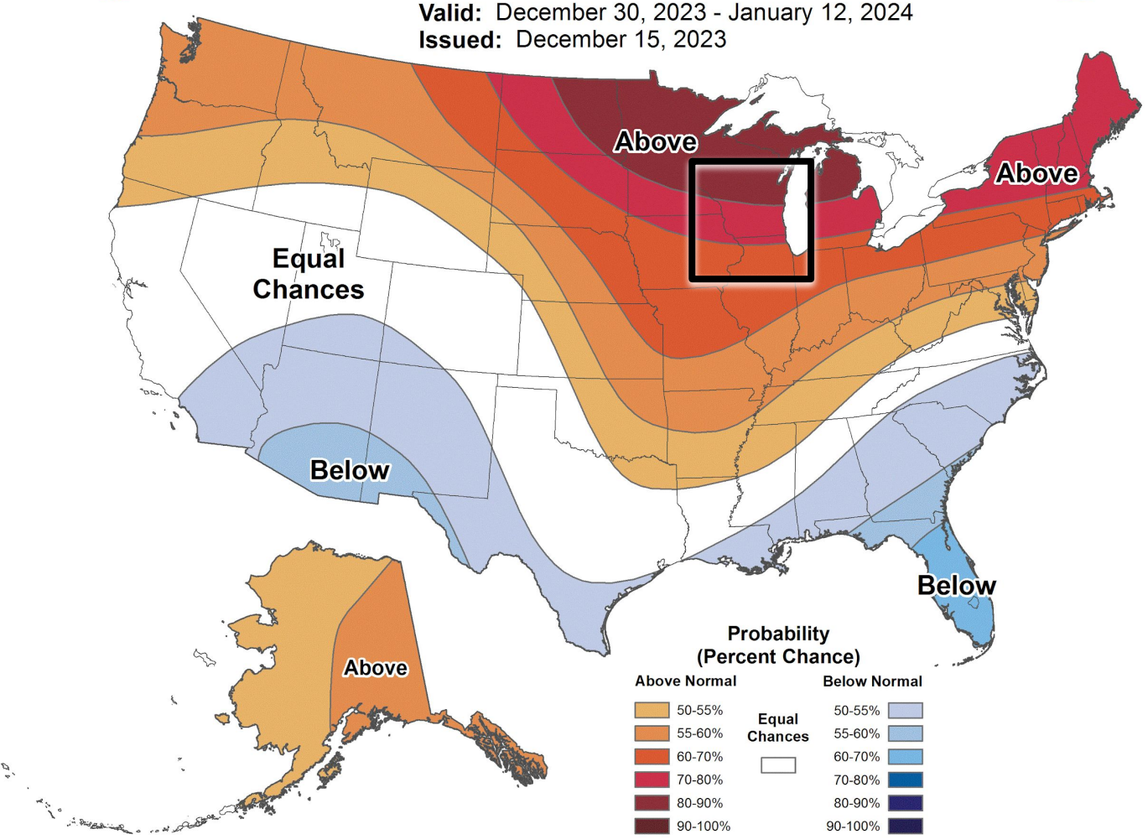
- There are increased chances for above normal temperatures and below normal precipitation for Dec. 28-Jan. 3.

Extended Week 3-4 Outlook

December 21, 2023
12:09 PM

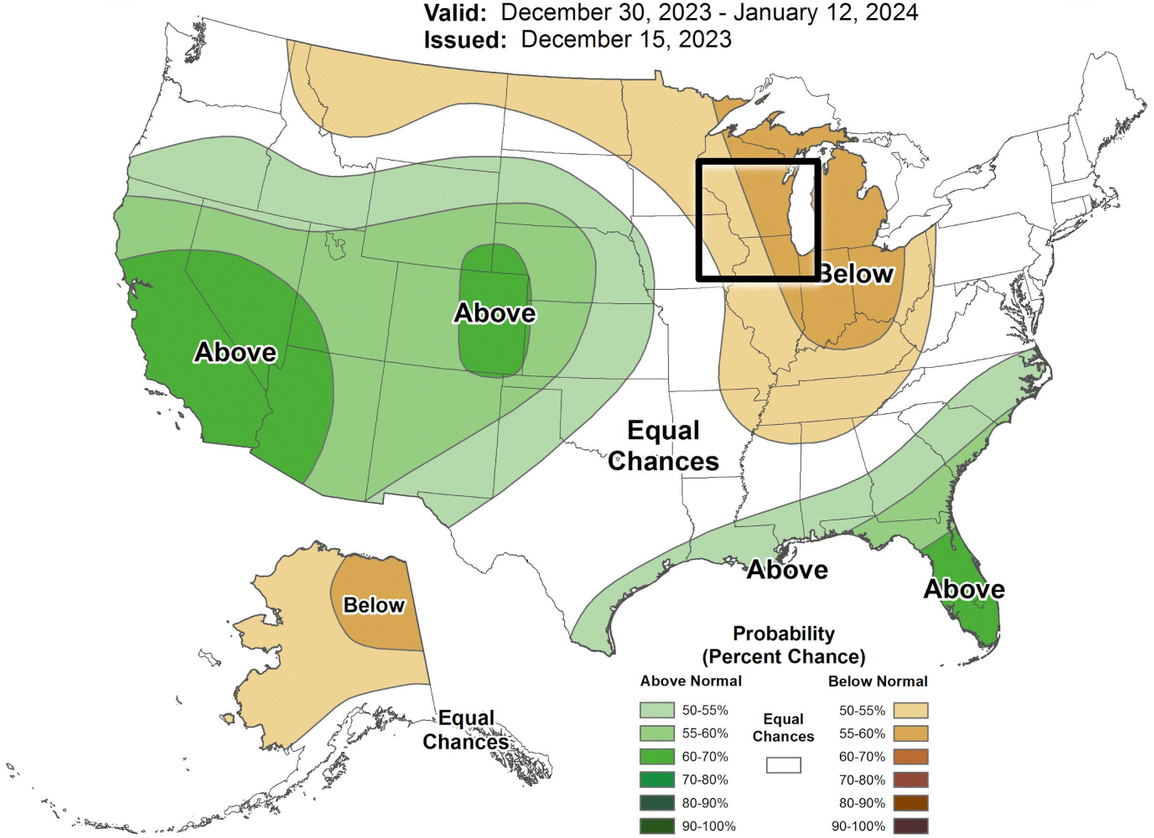
Weeks 3-4 Temperature Outlook

Valid: December 30, 2023 - January 12, 2024
Issued: December 15, 2023



Weeks 3-4 Precipitation Outlook

Valid: December 30, 2023 - January 12, 2024
Issued: December 15, 2023

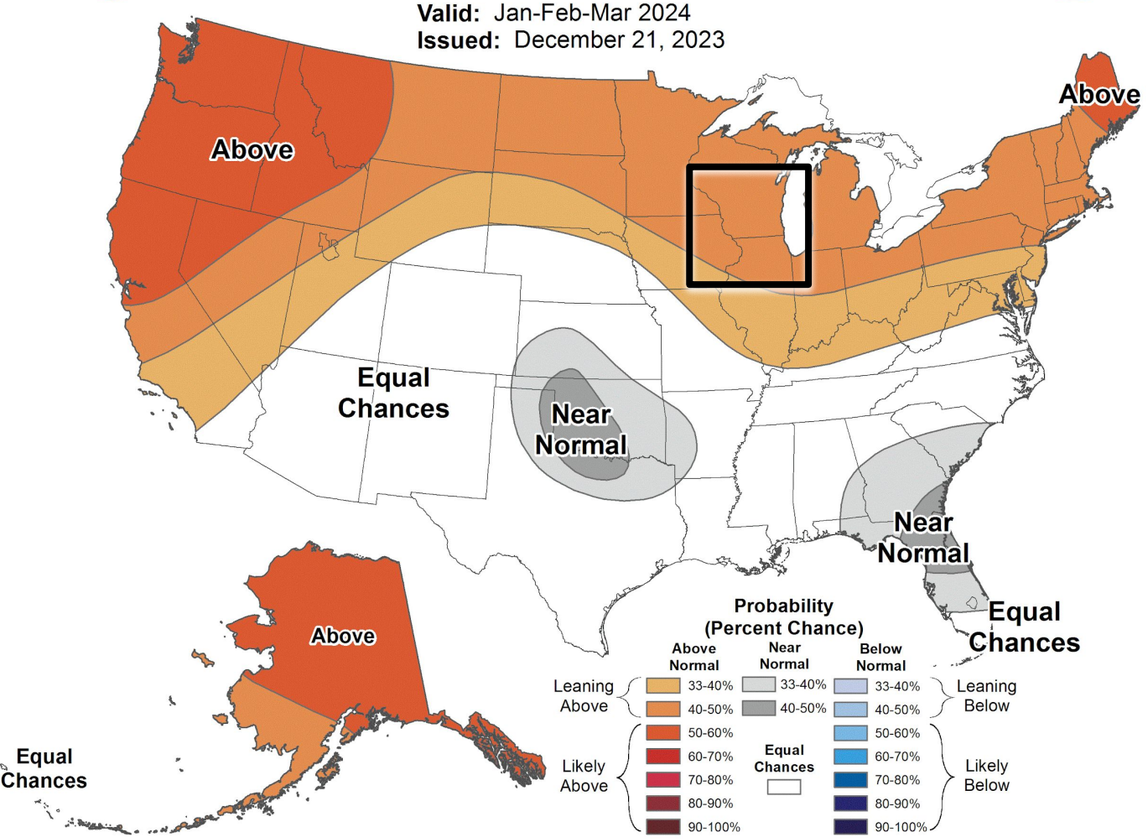


- There is strong tendency toward above normal temperatures and for below normal precipitation for early January.

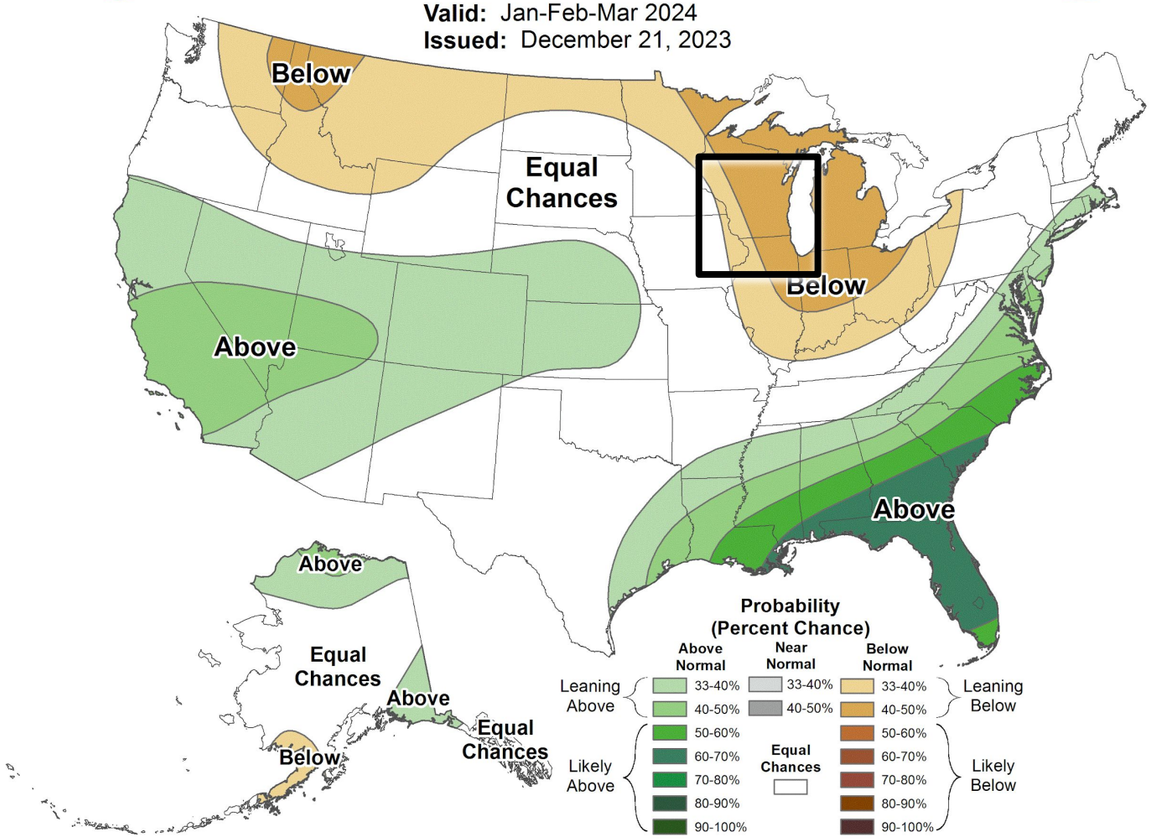
November - January Outlook

December 21, 2023
12:09 PM

Seasonal Temperature Outlook



Seasonal Precipitation Outlook



- There is a tendency toward above normal temperatures for winter due to El Nino, with higher chances for below normal precipitation.

Drought Outlook

December 21, 2023
12:09 PM

The latest monthly and seasonal outlooks can be found on the CPC homepage

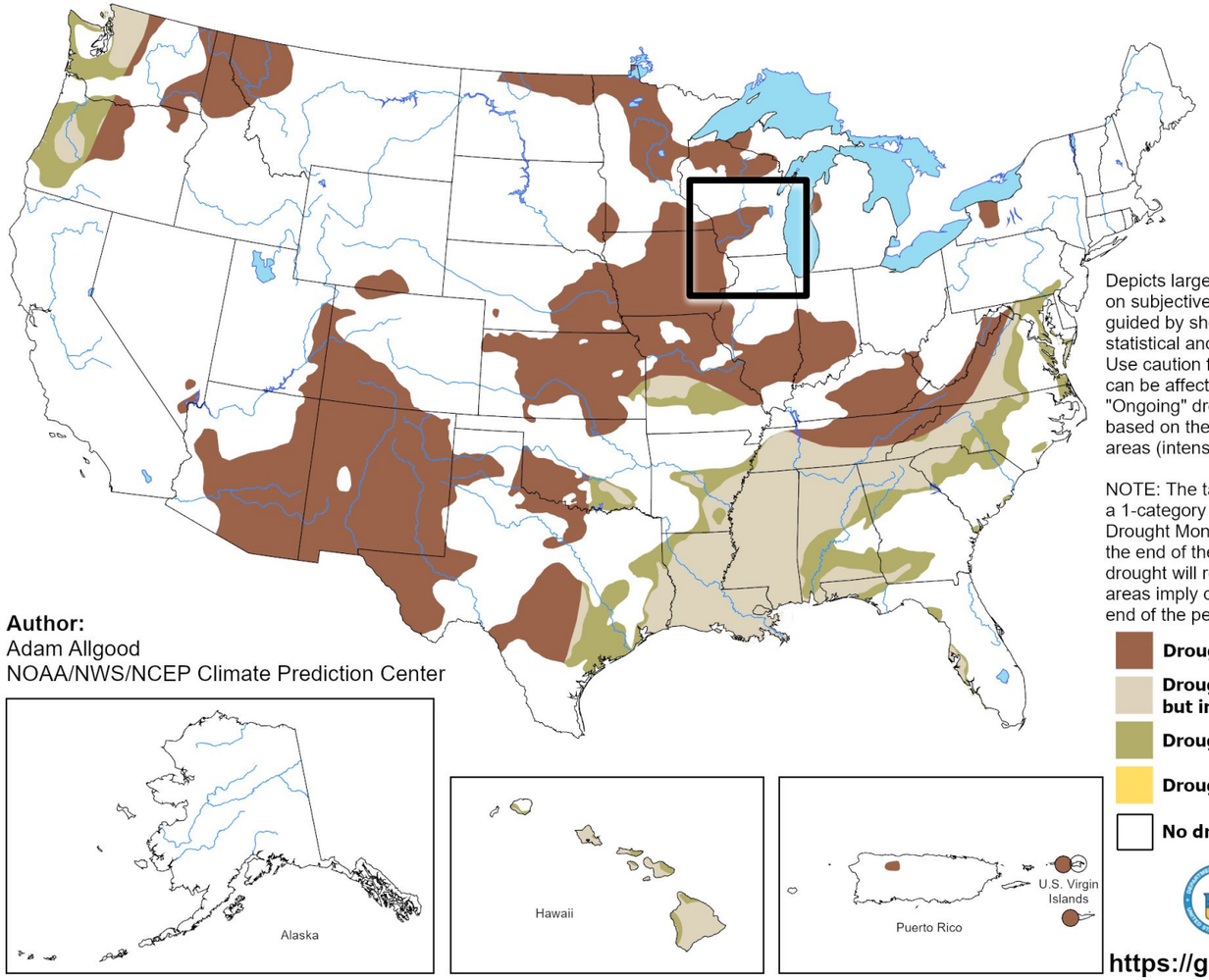
- The drought is expected to persist the remainder of December and into January.
- The seasonal drought outlook, which is through the end of February 2024, expects the drought to persist across southwest and west central WI.

Links to the latest:
Climate Prediction Center Monthly Drought Outlook
Climate Prediction Center Seasonal Drought Outlook

U.S. Monthly Drought Outlook

Drought Tendency During the Valid Period

Valid for December 2023
Released November 30, 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).

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

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

https://go.usa.gov/3eZGd