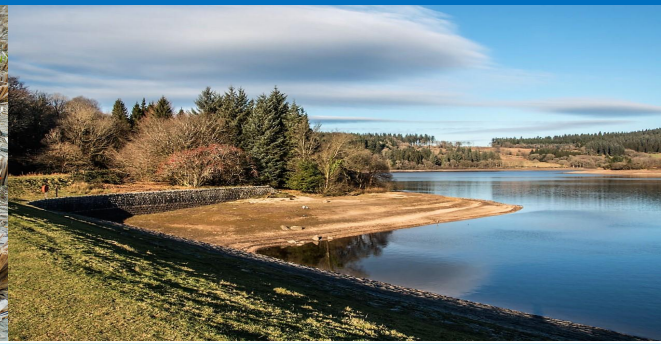
# Drought Information Statement for Central and Northeast Wisconsin

## Valid April 5, 2024

Issued By: WFO Green Bay, WI

Contact Information: nws.greenbay@noaa.gov

- This product will be updated by April 15, 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.



# U.S. Drought Monitor

Link to the latest U.S. Drought Monitor for the Midwest

## Drought Intensity and Extent

- **D2 (Severe Drought):**
  - Continues across the northwest third of Vilas County.
- **D1 (Moderate Drought) & D0 (Abnormally Dry)**
  - Continues across north-central and northeast Wisconsin, except across northwest Vilas County.

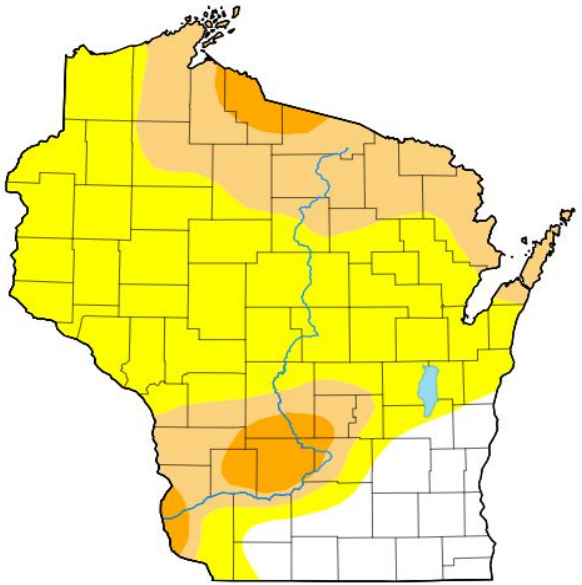



Image Caption: U.S. Drought Monitor valid 8 am EDT April 4, 2024.

# Recent Change in Drought Intensity

Link to the latest 4-week change map for Midwest

- **Four Week Drought Monitor Class Change**
  - Much of the area saw a category improvement ir the drought ending the morning of April 2.
  - A large spring storm brought copious amounts of precipitation on April 2-3 with the heaviest precipitation totals across northeast Wisconsin. The heavy precipitation totals will result in additional improvement in the drought on the next issuance of the Drought Monitor on April 11.

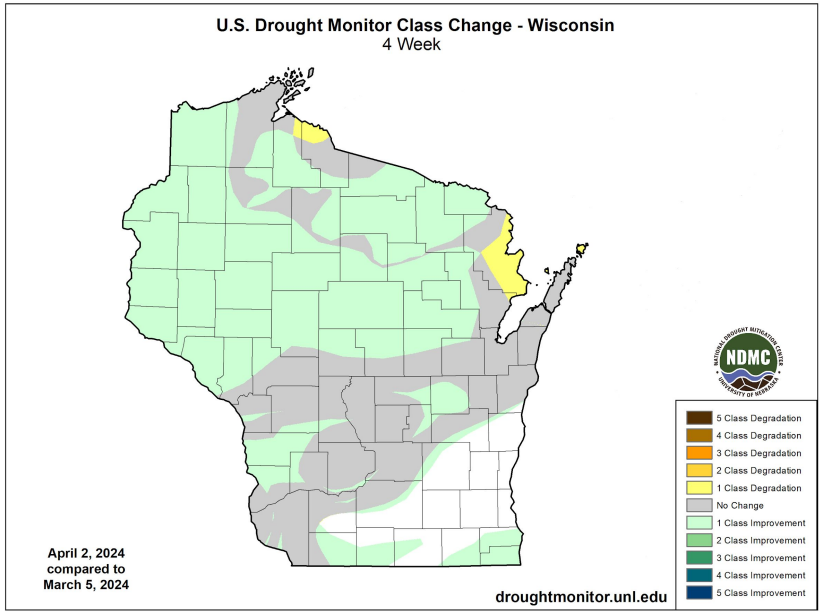
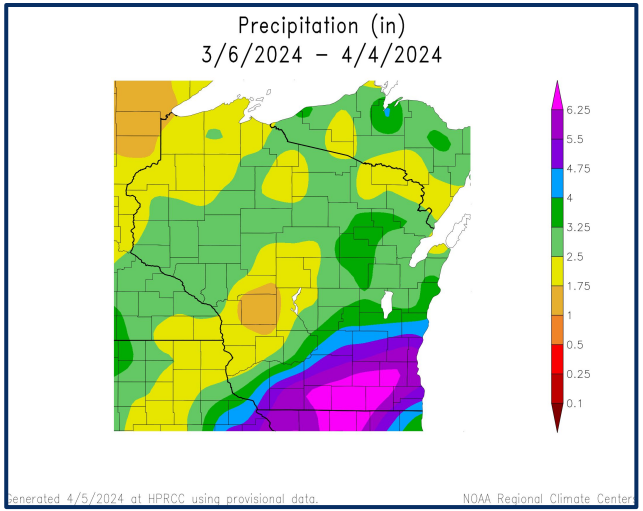



Image Caption: U.S. Drought Monitor 4-week change map valid 7 am EDT April 2, 2024.

# Precipitation

- After well below normal precipitation and snowfall during the winter into the first half of March, precipitation totals have been running well above normal since the middle of March.
- The greatest departures from normal are across northeast and east-central Wisconsin.



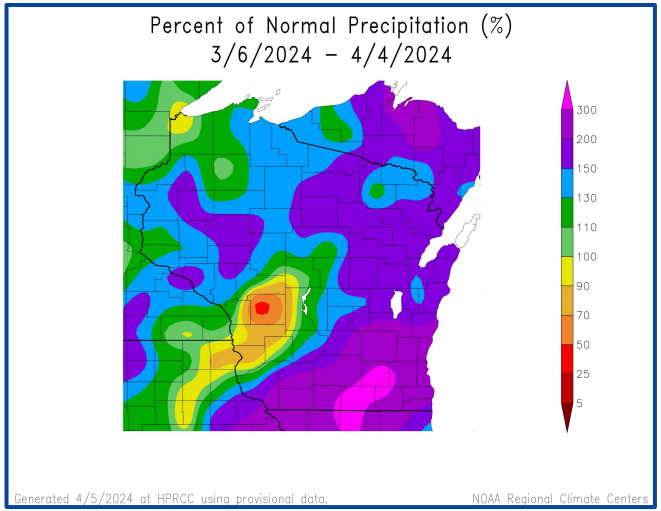
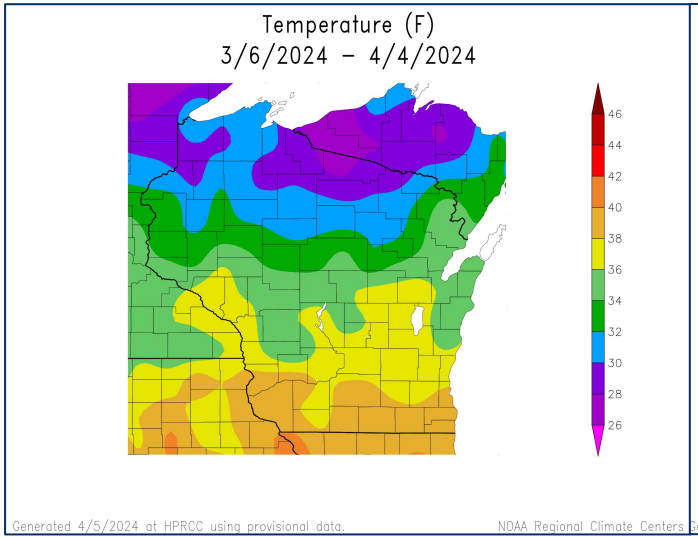




Image Captions:
Left - Precipitation Amount for Wisconsin
Right - Percent of Normal Precipitation for Wisconsin
Data Courtesy High Plains Regional Climate Center.
Data over the past 30 days ending April 4, 2024

# Temperature

- Temperatures were running well above normal during the first half of March, however since the middle of March temperatures were generally running near or below normal.



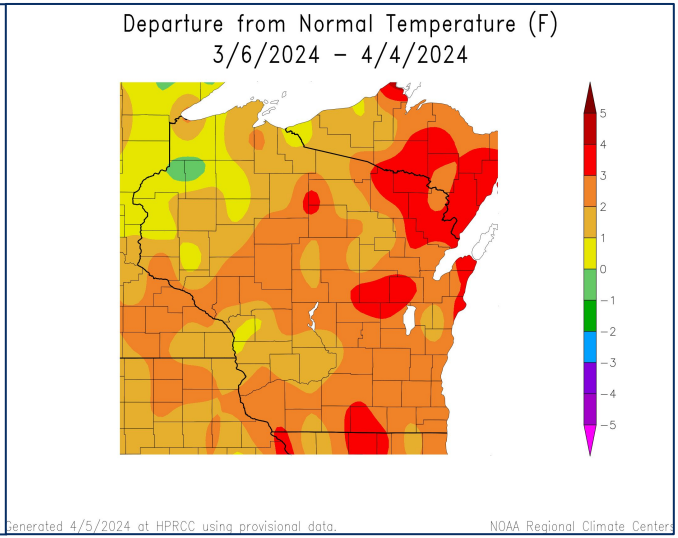




Image Captions:
Left - Average Temperature for Wisconsin
Right - Departure from Normal Temperature for Wisconsin
Data Courtesy High Plains Regional Climate Center.
Data over the past 30 days ending April 4, 2024

# Summary of Impacts

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

## Hydrologic Impacts

- The recent above normal precipitation and snowfall have to led to the replenishment of rivers and lakes.

## Agricultural Impacts

- The top soil moisture has quickly gone from very dry to wetter than normal over the past three weeks.

## Fire Hazard Impacts

- Fire level is low for the next week (mid April) due to the wet fuels.

## Other Impacts

- The lack of snow this winter has impacted winter tourism across northern Wisconsin which depends on the seasonal snowfall.

## Mitigation Actions

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

# Hydrologic Conditions and Impacts

- River levels have risen substantially since mid-March due to the recent rain and snow.

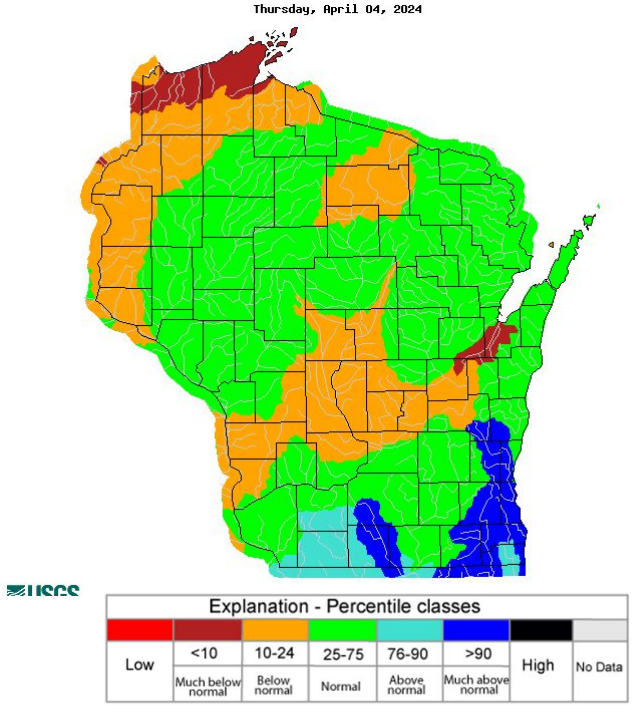
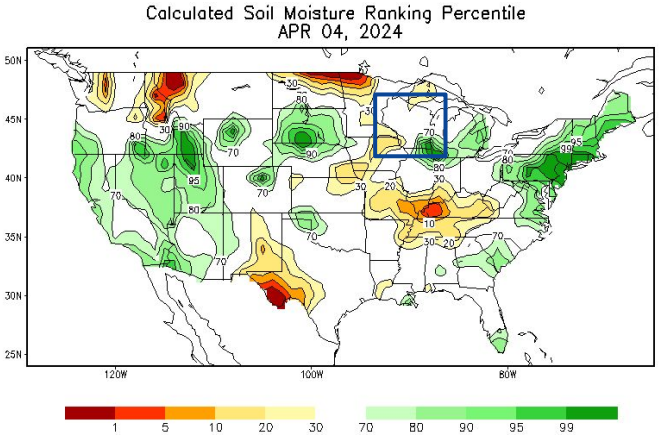



Image Caption: USGS 7 day average streamflow HUC map valid April 4, 2024

# Agricultural Impacts

- The crop moisture index in mid-March was abnormally dry has gone into the abnormally moist to wet category during the first week of April.



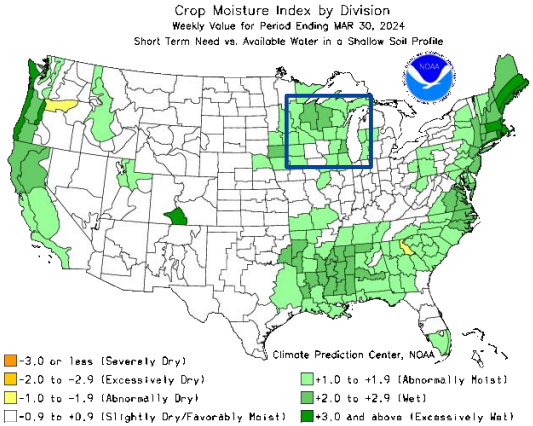




Image Captions:
Left: CPC Calculated Soil Moisture Ranking Percentile valid April 4, 2024
Right: Crop Moisture Index by Division. Weekly value for period ending March 30, 2024

# Fire Hazard Impacts

**Link to [Wildfire Potential Outlooks from the National Interagency Coordination Center.]**

- The potential for wildfires has been reduced considerably over the past two weeks due to the recent heavy precipitation and snowfall.

[Wisconsin Fire Danger Map]

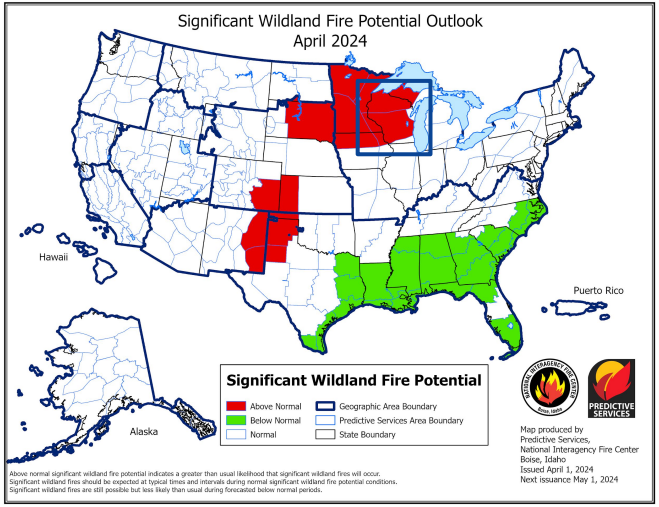



Image Caption: [Significant Wildland Fire Potential Monthly Outlook] for April 2024

# Seven Day Precipitation Forecast

- Precipitation between 0.25” to 0.50” inch is expected Sunday afternoon (April 7) through Monday evening (April 8).
- Additional precipitation is expected late next week, however there is still a lot of uncertainty in the strength of the storm and expected precipitation amounts.

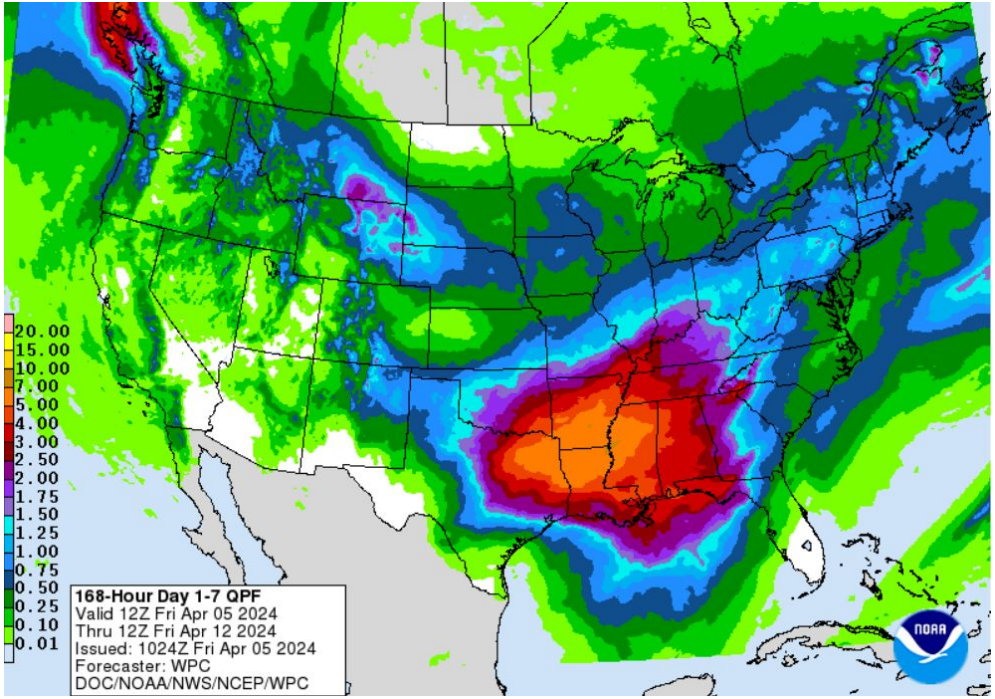
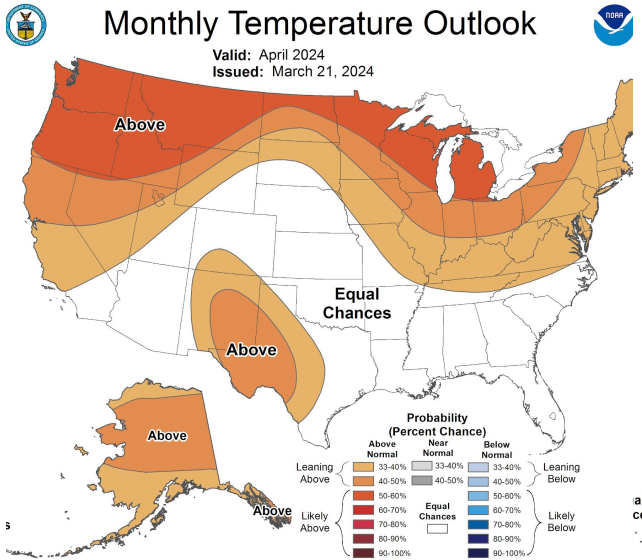



Image Caption: Weather Prediction Center 7-day precipitation forecast valid Friday April 5 through Friday April 12

# Long-Range Outlooks

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

- The climate models are indicating a greater chance for above normal temperatures to continue in April and through the spring/early summer period (April - June).



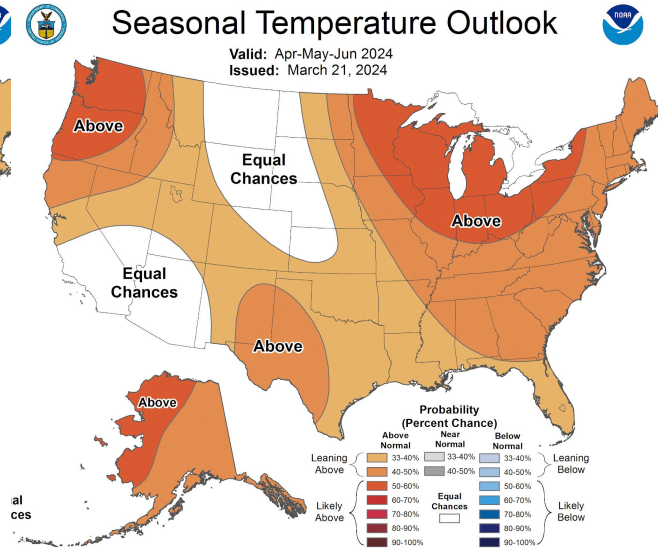




Image Captions:
Left - Climate Prediction Center Monthly Temperature Outlook.
Right - Climate Prediction Center Seasonal Temperature Outlook.
Valid 04 2024

# Long-Range Outlooks

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

- The climate models are indicating a nearly equal chance above, below or near normal precipitation from April through June.

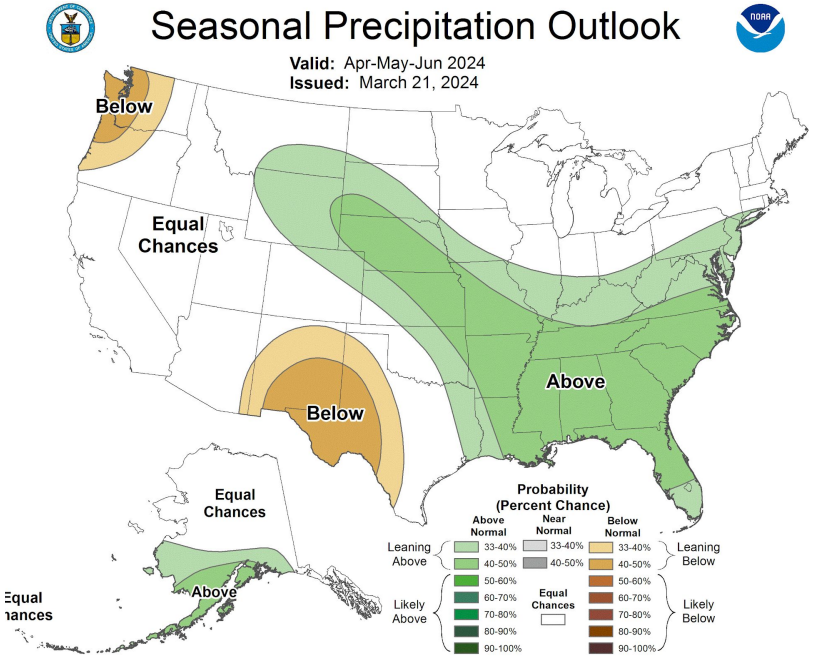
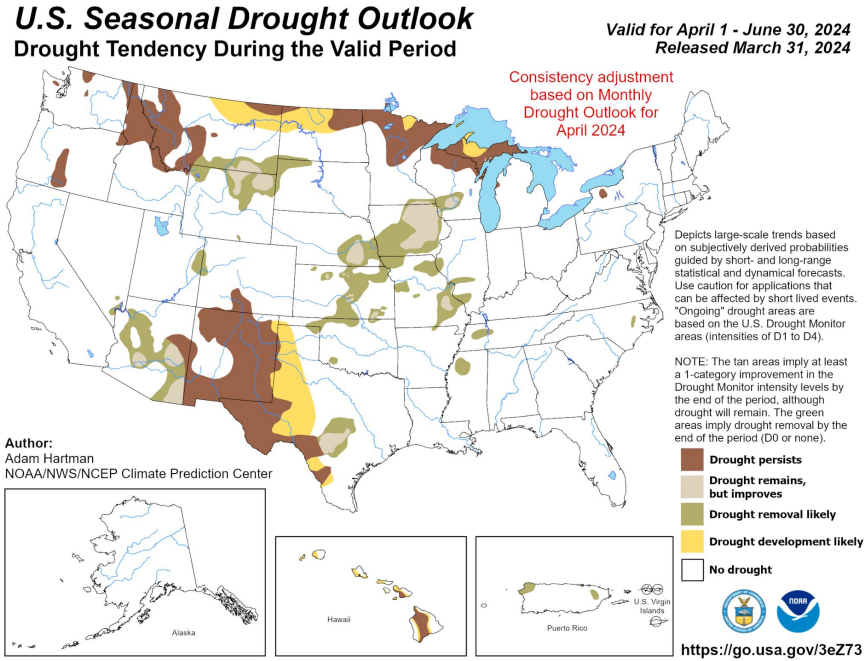



Image Captions:
Climate Prediction Center Seasonal Precipitation Outlook.
Valid 04 2024

# Drought Outlook

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

- Drought is expected to persist across north-central and far northeast Wisconsin into the summer.




Links to the latest:
Climate Prediction Center Seasonal Drought Outlook

Image Caption:
Climate Prediction Center Seasonal Drought Outlook Released on March 31, 2024 valid for April 1 to June 30, 2024