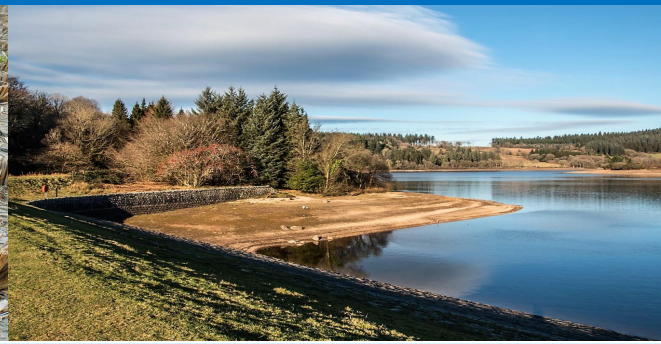
Drought Information Statement for Central and Northeast Wisconsin

Valid April 11, 2024

Issued By: WFO Green Bay, WI

Contact Information: nws.greenbay@noaa.gov

- This product will be updated by May 2, 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 WI except across the northwest third of Vilas County, and over central and far northeast Wisconsin.

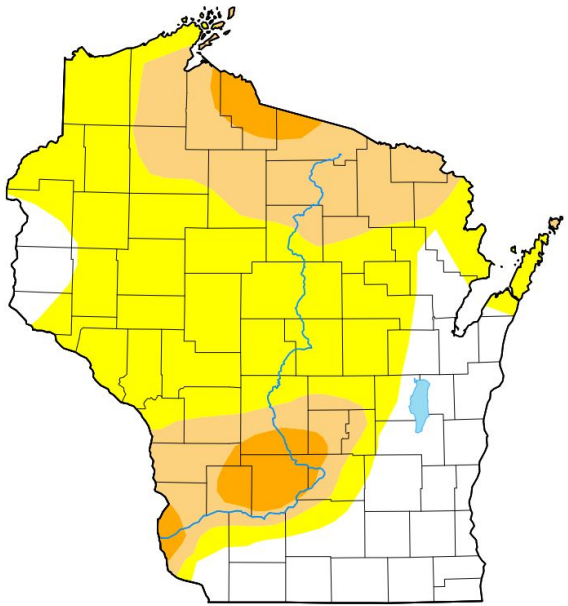


Image Caption: U.S. Drought Monitor valid 8 am EDT April 11, 2024.

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 at least a one category improvement in the drought as of April 9th.
  - A large spring storm brought copious amounts of precipitation (rain/snow) on April 2-3 with the heaviest precipitation totals across northeast Wisconsin.

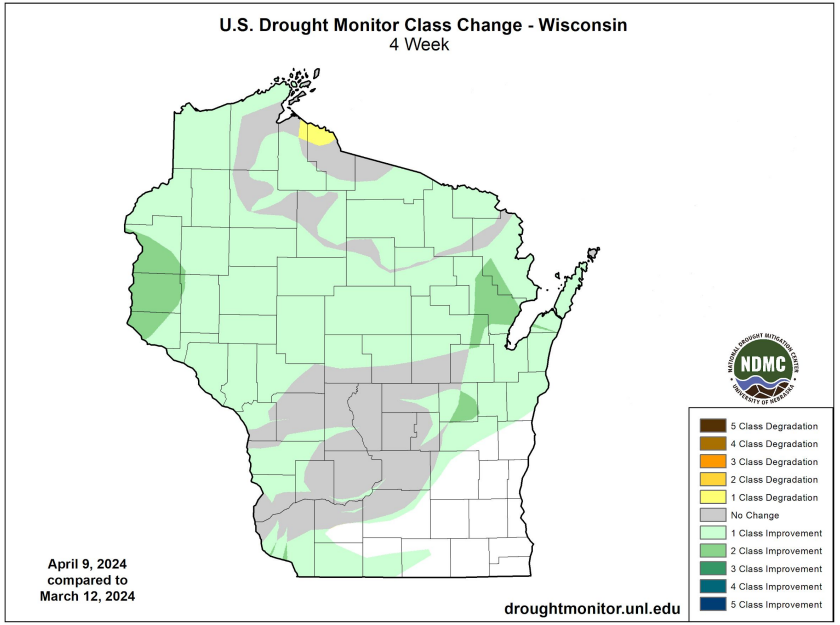
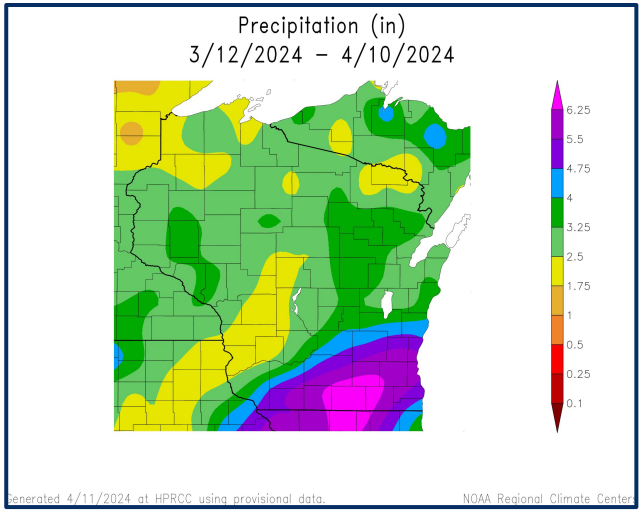


Image Caption: U.S. Drought Monitor 4-week change map valid 7 am EDT April 9, 2024.

Precipitation

Precipitation Totals and Anomalies Over the Last Month

- 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 across much of the area.
- The greatest above normal departures from normal are across northeast and east-central Wisconsin.
- Precipitation was running a little bit below normal across central Wisconsin.



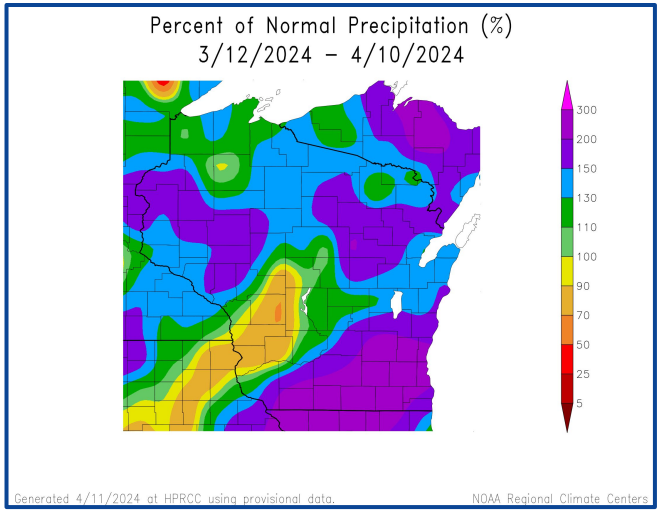
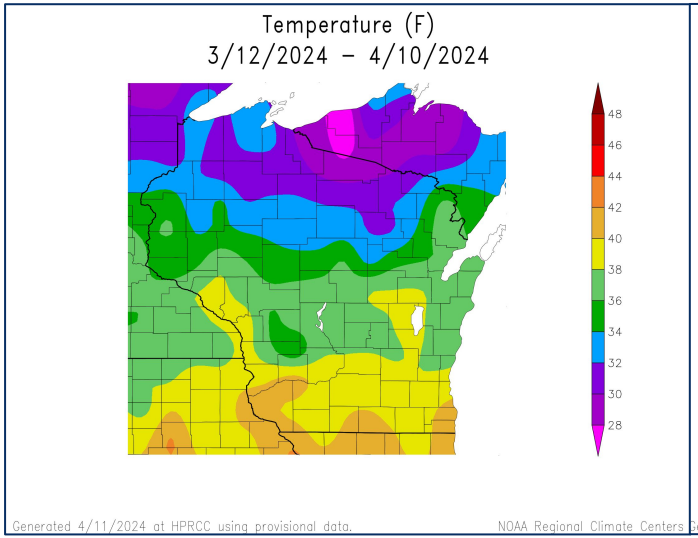


Image Captions:
Left - Precipitation Amount for Wisconsin
Right - Percent of Normal Precipitation for Wisconsin
Data Courtesy High Plains Regional Climate Center.
Data over the past 30 days ending April 10, 2024

Temperature

Temperature Anomalies Over the Last Month

- Temperatures were running well above normal into the latter half of March, however since then temperatures were generally running near or below normal on most days.



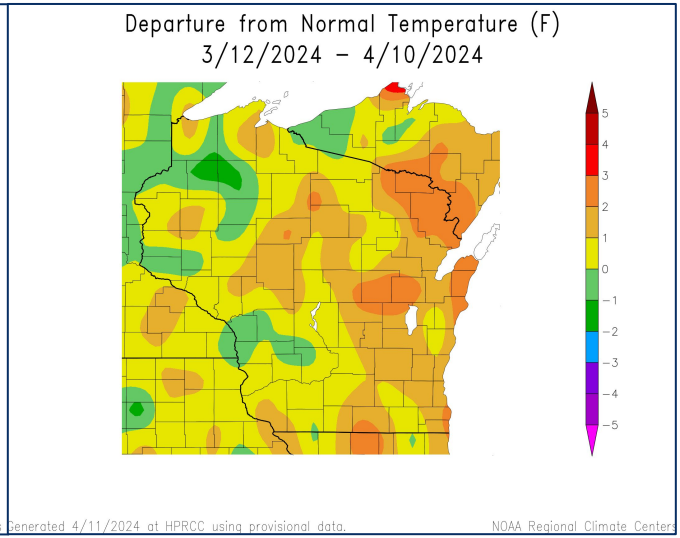


Image Captions:
Left - Average Temperature for Wisconsin
Right - Departure from Normal Temperature for Wisconsin
Data Courtesy High Plains Regional Climate Center.
Data over the past 30 days ending April 10, 2024

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 to moderate for the next week.

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.
- The greatest changes were noted from the Fox Valley northeast through Green Bay into Door County.

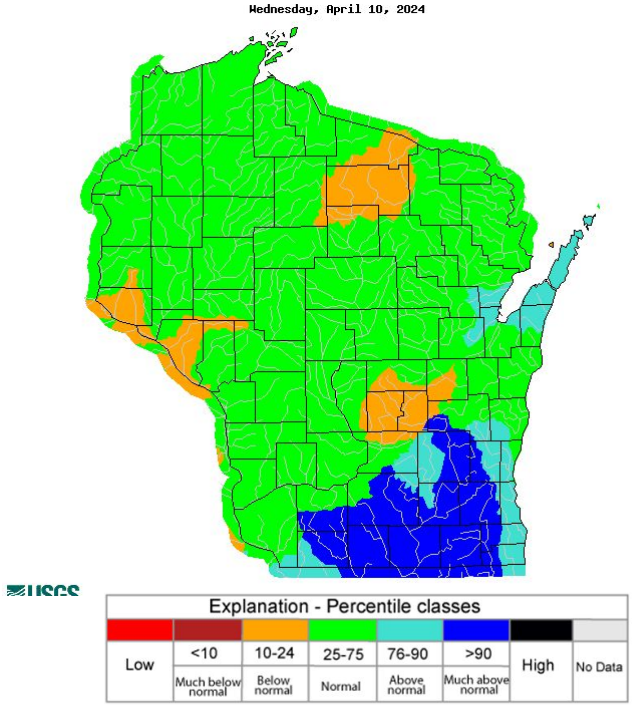
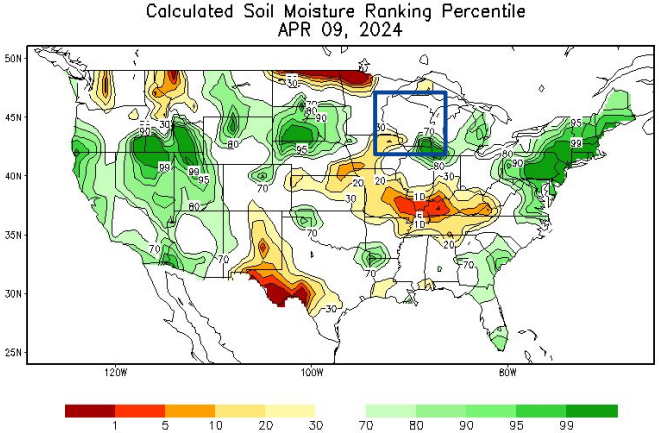


Image Caption: USGS 7 day average streamflow HUC map valid April 10, 2024

Agricultural Impacts

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



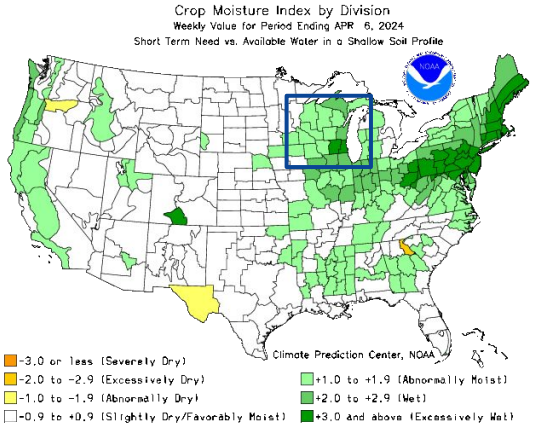


Image Captions:
Left: CPC Calculated Soil Moisture Ranking Percentile valid April 9, 2024
Right: Crop Moisture Index by Division. Weekly value for period ending April 6, 2024

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.
- The Significant Wildland Fire Potential for May is near normal across northeast Wisconsin and across the state.

Wisconsin Fire Danger Map

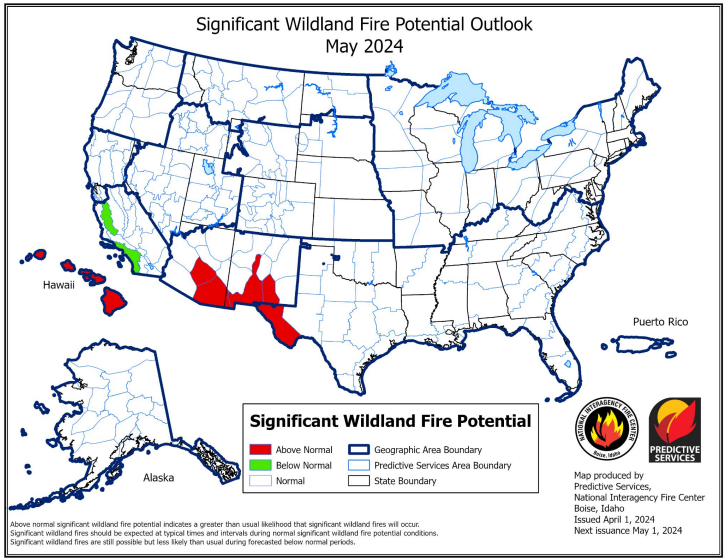


Image Caption: Significant Wildland Fire Potential Monthly Outlook for May 2024

Seven Day Precipitation Forecast

- Rainfall totals on April 11 into April 12 will generally run from 0.10 to 0.30 inches.
- Showers and thunderstorms will bring additional rainfall, which could be heavy at times, Tuesday into Wednesday.

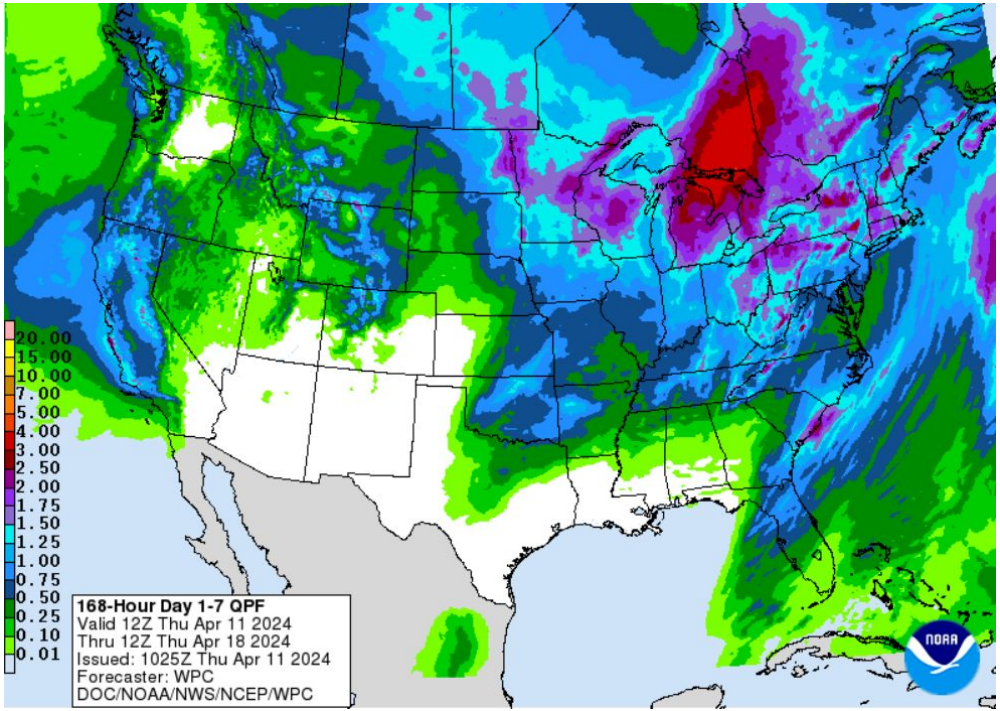
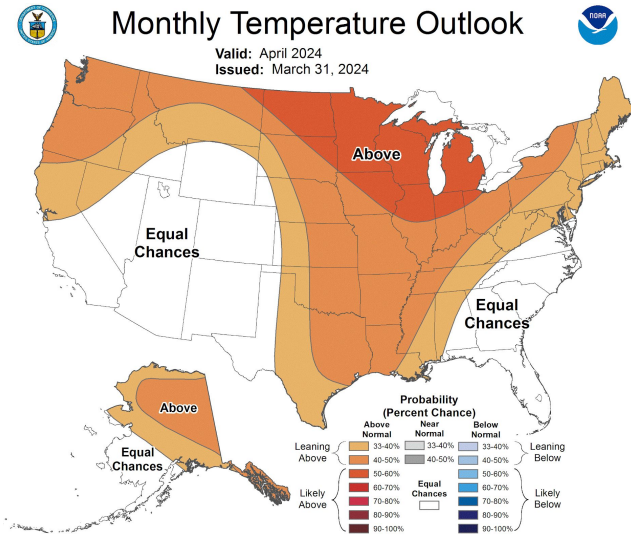


Image Caption: Weather Prediction Center 7-day precipitation forecast valid Thursday April 11 through Thursday 18

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 temps to continue for the rest of April. The climate models were not showing a clear trend in above, near or below normal precipitation.



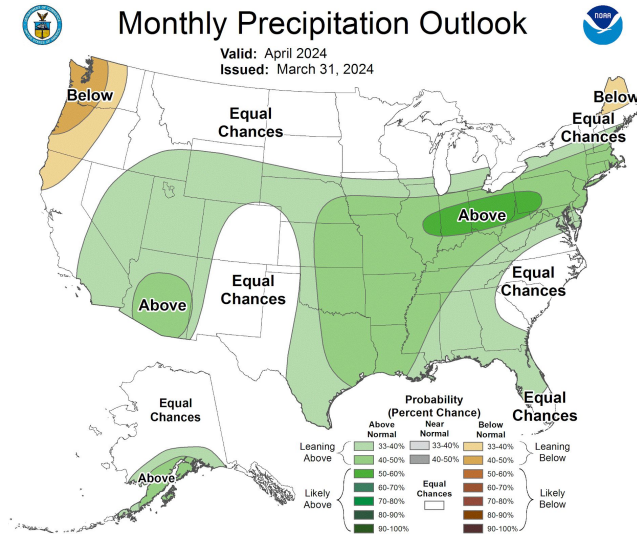
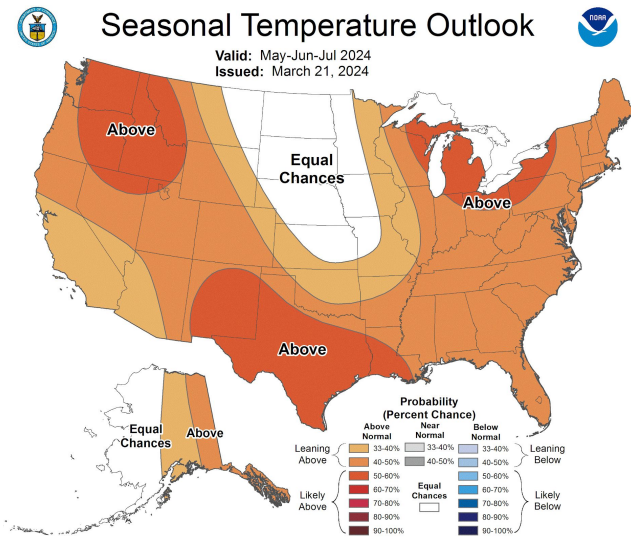


Image Captions:
Left - Climate Prediction Center Monthly Temperature Outlook.
Right - Climate Prediction Center Monthly Precipitation Outlook.
Valid 04 2024

Long-Range Outlooks

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

- The climate models are indicating a greater chance for above normal temps to continue during the May through July period. The climate models were not showing a clear trend in above, near or below normal precipitation from May through July period.



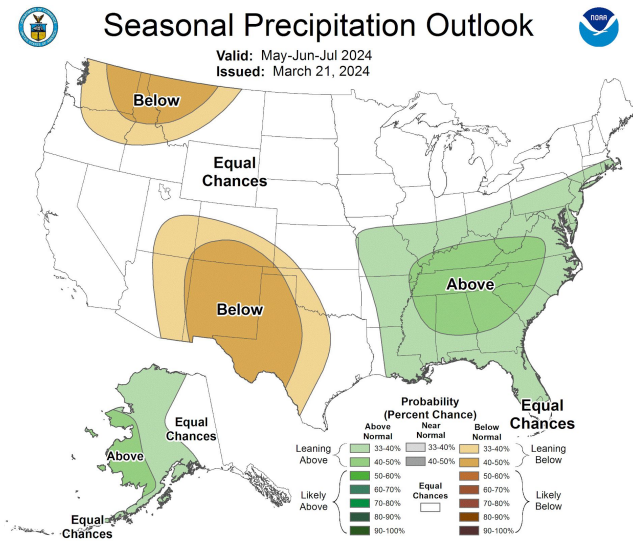
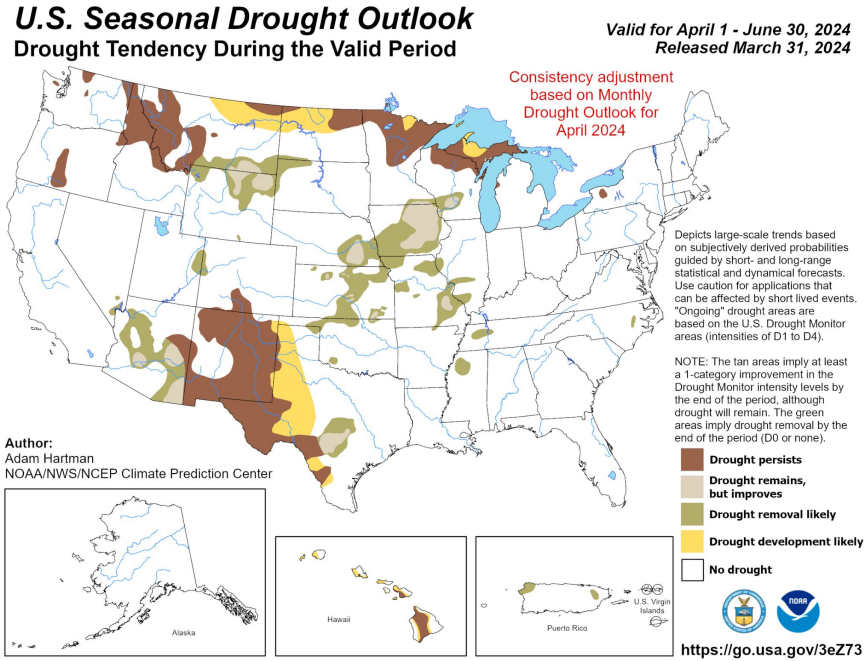


Image Captions:
Left - Climate Prediction Center Seasonal Temperature Outlook.
Right - Climate Prediction Center Seasonal Precipitation Outlook.
Valid 04 2024

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