



Drought Information Statement for Central and Northeast Wisconsin

Valid November 9, 2023

Issued By: WFO Green Bay, WI

Contact Information: nws.greenbay@noaa.gov

- This product will be updated December 4, 2023 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

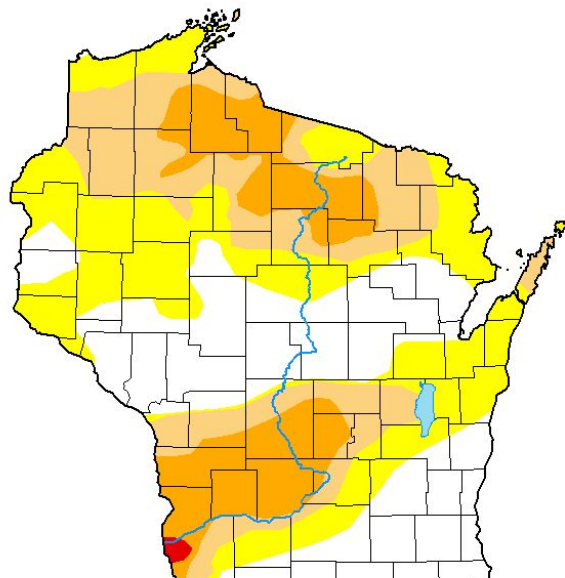
Link to the [latest U.S. Drought Monitor](#) for the Midwest

Drought Intensity and Extent

- **D2 (Severe Drought):**
 - Northwest Langlade, northeast Lincoln, much of Oneida, far western Vilas and southwest Waushara counties.
- **D1 (Moderate Drought))**
 - Door County and portions of north-central and central Wisconsin.
- **D0 (Abnormally Dry)**
 - Yellow shaded area on the map.

Wisconsin

Issued: Thursday, Nov. 8, 2009
Valid 7 a.m. EST



Intensity:

None
D0 Abnormally Dry
D1 Moderate Drought
D2 Severe Drought
D3 Extreme Drought
D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

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National Drought Mitigation Center



Image Caption: U.S. Drought Monitor valid 8 am EDT November 9th



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Recent Change in Drought Intensity

Link to the latest [4-week change map](#) for Midwest

- **Four Week Drought Monitor Class Change**

- Improving Drought: Improvement in drought conditions were noted across much of the area.
- No change in drought conditions were noted across the far north and far northeast Wisconsin (shaded gray on the map).
- Recent rainfall has brought some improvement in drought conditions across portions of central and north-central Wisconsin.

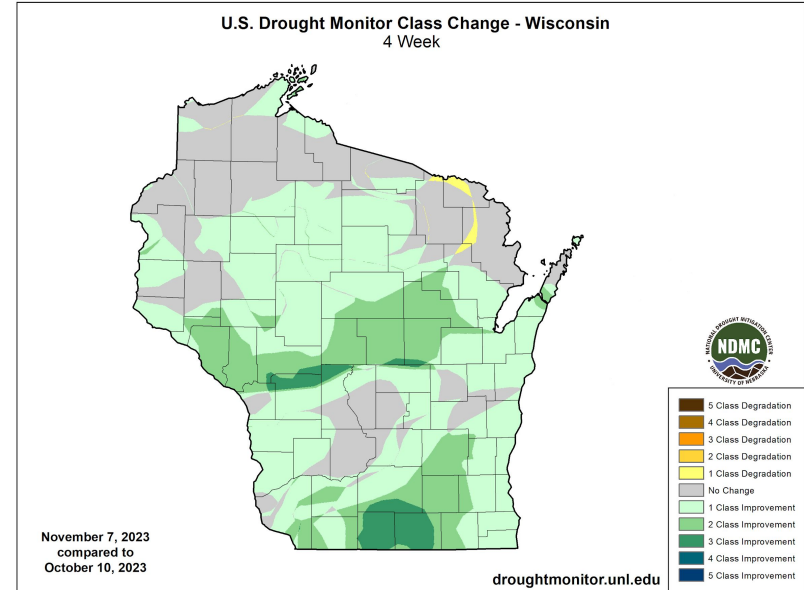


Image Caption: U.S. Drought Monitor 4-week change map valid 8am EDT October 31st.





Precipitation

- The highest precipitation totals during the past month occurred across central into northeast Wisconsin. Rainfall totals of 3 to 6 inches were noted between Oct 24-26 across central Wisconsin.

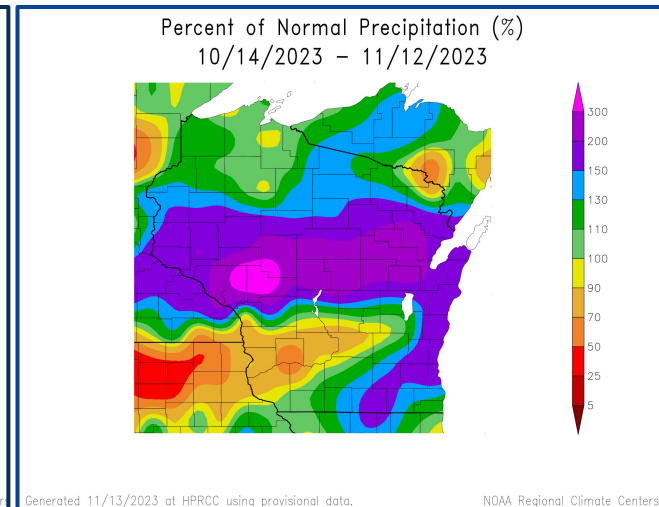
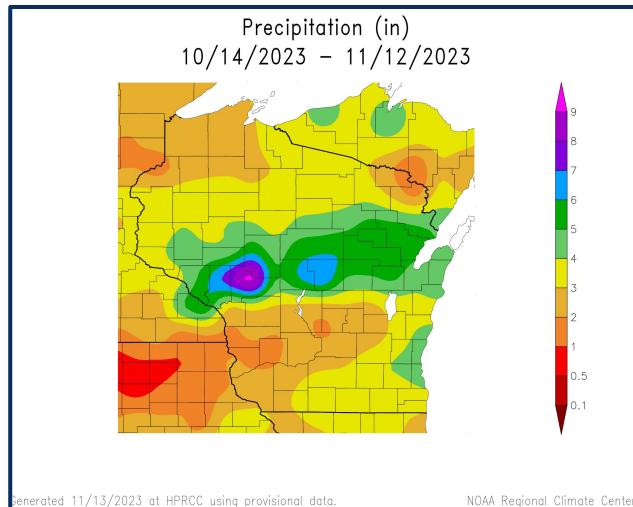


Image Captions:

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 November 8, 2023





Temperature

- Below normal temperatures were noted across north-central Wisconsin, otherwise the rest of the region experienced temperatures at or a few degrees above normal during the past month.

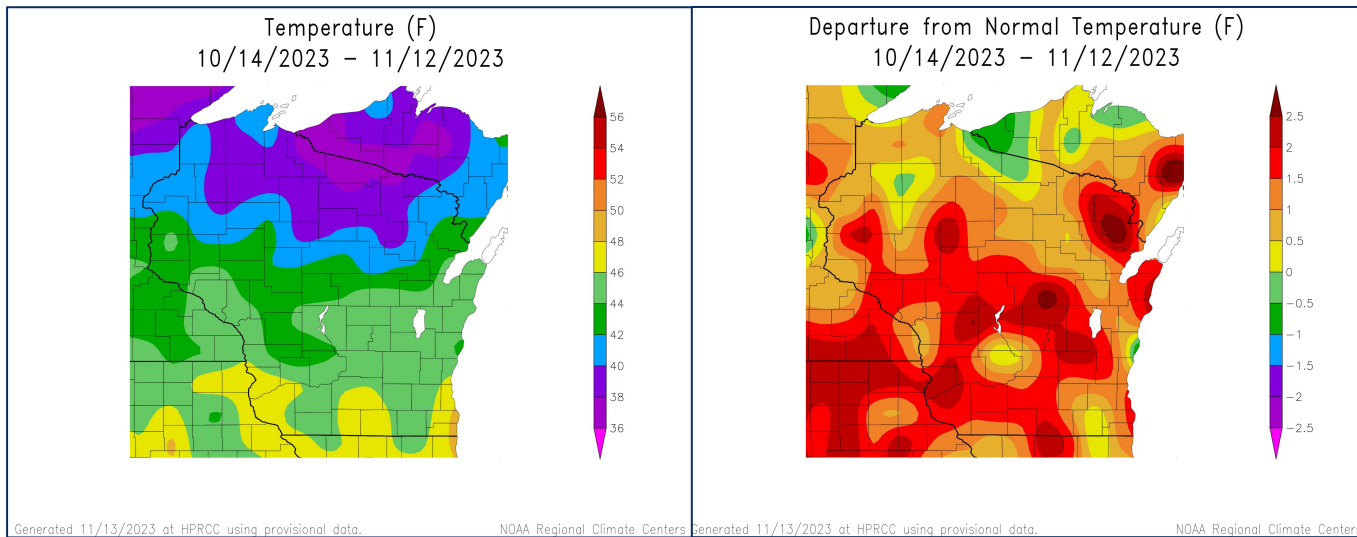


Image Captions:

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 November 8, 2023



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Summary of Impacts

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

Hydrologic Impacts

- The recent heavy rain has improved soil moisture across much of the area and replenished rivers and lakes.

Agricultural Impacts

- Crop damage was noted to corn and soybeans, especially after the second heat wave in early September across portions of central and east-central Wisconsin. The recent heavy rains came too late for farmers and now is impacting harvesting operations.

Fire Hazard Impacts

- Recent rainfall and cooler temperatures have brought a reduced risk of wildfires.

Other Impacts

- There are no known impacts at this time.

Mitigation Actions

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





Hydrologic Conditions and Impacts

- River levels have return to normal levels, with the locally heavy rain in October bringing river levels into the above normal category across central Wisconsin.

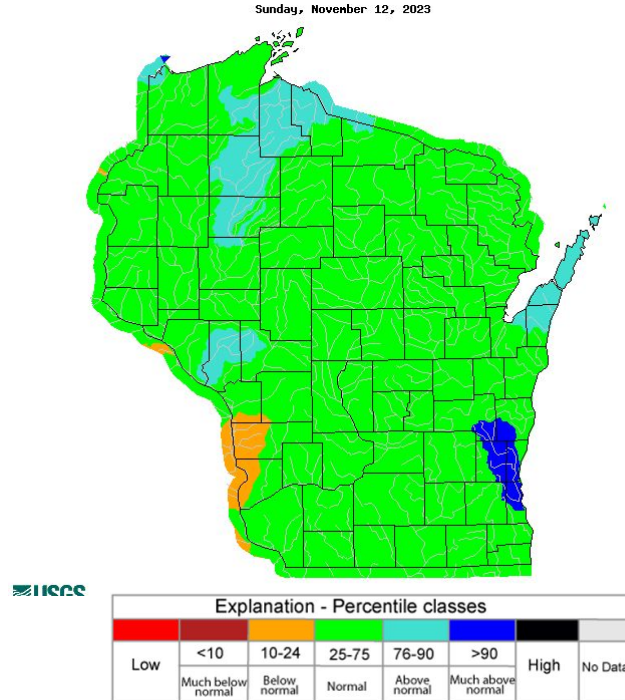


Image Caption: USGS 7 day average streamflow HUC map valid November 8, 2023

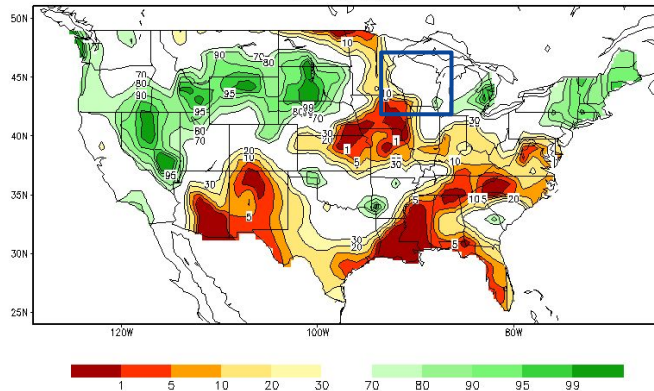




Agricultural Impacts

- The recent rainfall has brought soil moisture back to normal.

Calculated Soil Moisture Ranking Percentile
NOV 12, 2023



Crop Moisture Index by Division
Weekly Value for Period Ending NOV 11, 2023
Short Term Need vs. Available Water in a Shallow Soil Profile

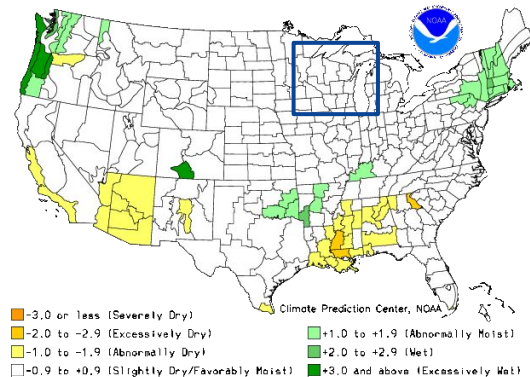


Image Captions:

Left: CPC Calculated [Soil Moisture Ranking Percentile](#) valid November 7, 2023

Right: [Crop Moisture Index by Division](#). Weekly value for period ending November 4, 2023



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Fire Hazard Impacts

Link to [Wildfire Potential Outlooks from the National Interagency Coordination Center](#).

- The potential for wildfires is expected to remain low.
- Cooler high temperatures also support the low risk of wildfires. Mild days with low humidity are not anticipated.

[Wisconsin Fire Danger Map](#)

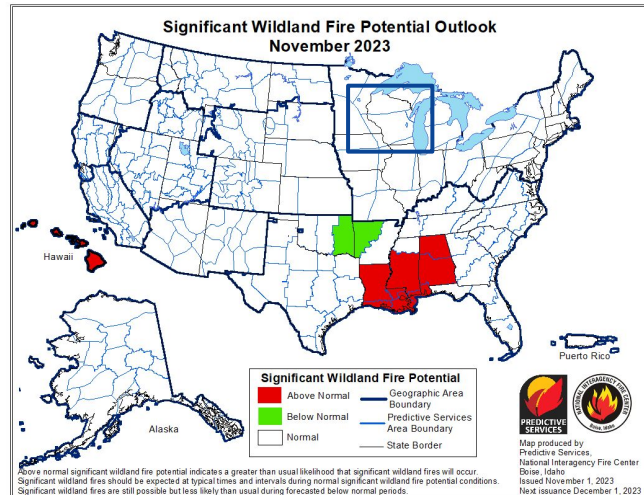


Image Caption: [Significant Wildland Fire Potential Monthly Outlook](#) for November 2023



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Seven Day Precipitation Forecast

- Several widespread rainfall amounts are expected through the end of October.
- Rainfall amounts over an inch are likely across central and east-central Wisconsin over the next 7 days.

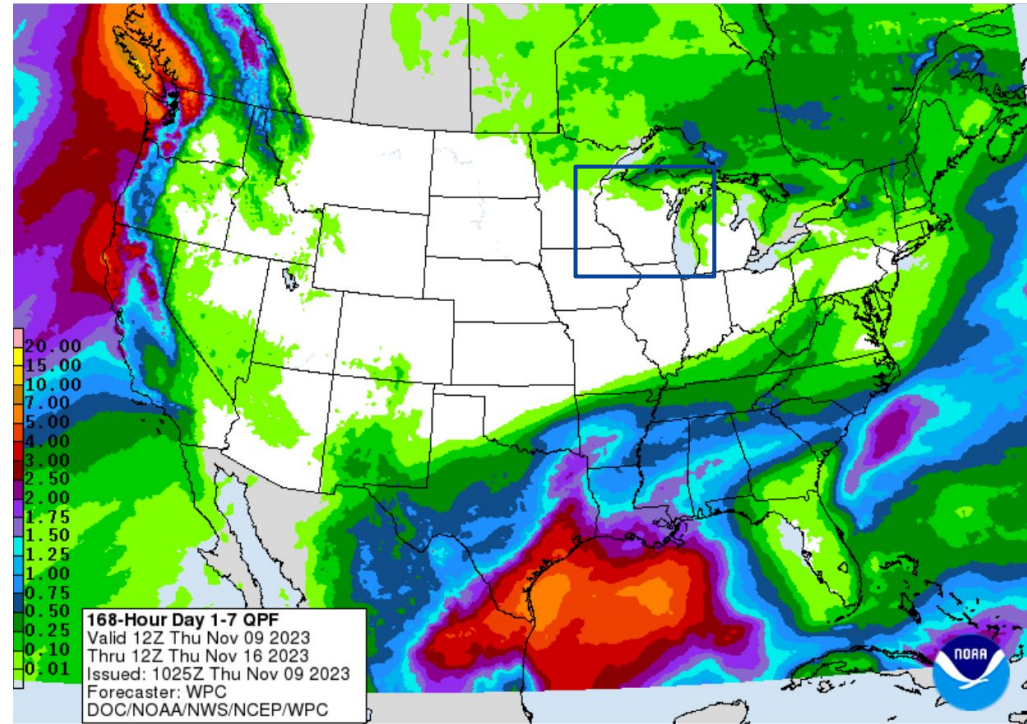


Image Caption: Weather Prediction Center [7-day precipitation forecast](#) valid Thursday Nov 9 through Thursday Nov 16





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 of above, below or near normal temperatures during November.
- There is a greater chance of above normal temperatures during the late fall into the middle of winter.
- At Green Bay, a moderate to strong El Niño brings a greater likelihood of above normal temperatures during the winter, usually due to less severe arctic intrusions.

Only 14% chance of below normal temperatures this winter.

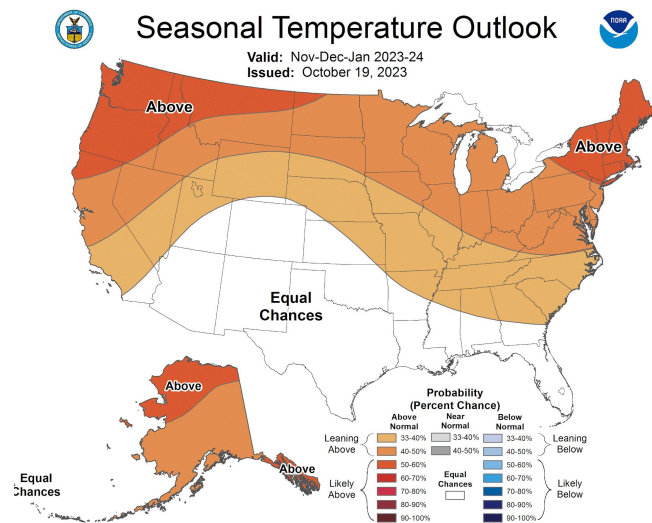
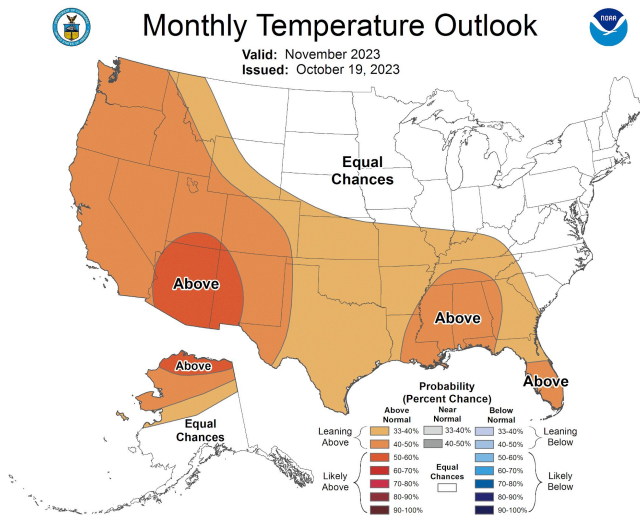


Image Captions:

Left - [Climate Prediction Center Monthly Temperature Outlook](#).

Right - [Climate Prediction Center Monthly Precipitation Outlook](#).

Valid MM YYYY



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Drought Outlook

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

- Drought is expected to persist for much of the fall and possibly into the winter.

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

Valid for October 19, 2023 - January 31, 2024
Released October 19, 2023

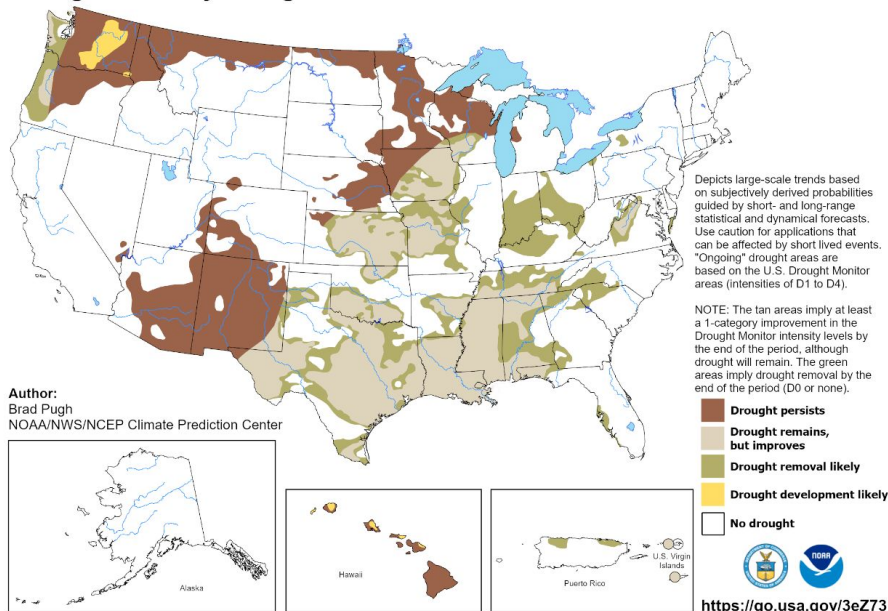


Image Caption:

Climate Prediction Center Seasonal Drought Outlook Released on October 19, 2023 valid for October 19, 2023 to January 31, 2024

Links to the latest:

[Climate Prediction Center Monthly Drought Outlook](#)
[Climate Prediction Center Seasonal Drought Outlook](#)



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