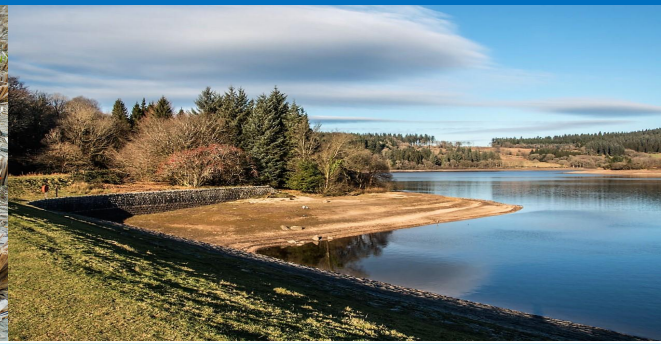
Drought Information Statement for southern Wisconsin

Valid Sep 7, 2023

Issued By: NWS Milwaukee

Contact Information: nws.milwaukee@noaa.gov

- This product will be updated next Thursday.
- Please see all currently available products at https://drought.gov/drought-information-statements.
- Please visit https://www.weather.gov/mkx/DroughtInformationStatement for previous statements.



U.S. Drought Monitor

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

- Very small pocket of exceptional drought (D4) has been added in extreme northwest Sauk County
- Extreme drought (D3) and severe (D2) conditions across south-central Wisconsin
- Moderate (D1) and abnormally dry (D0) conditions in east-central and southeast Wisconsin

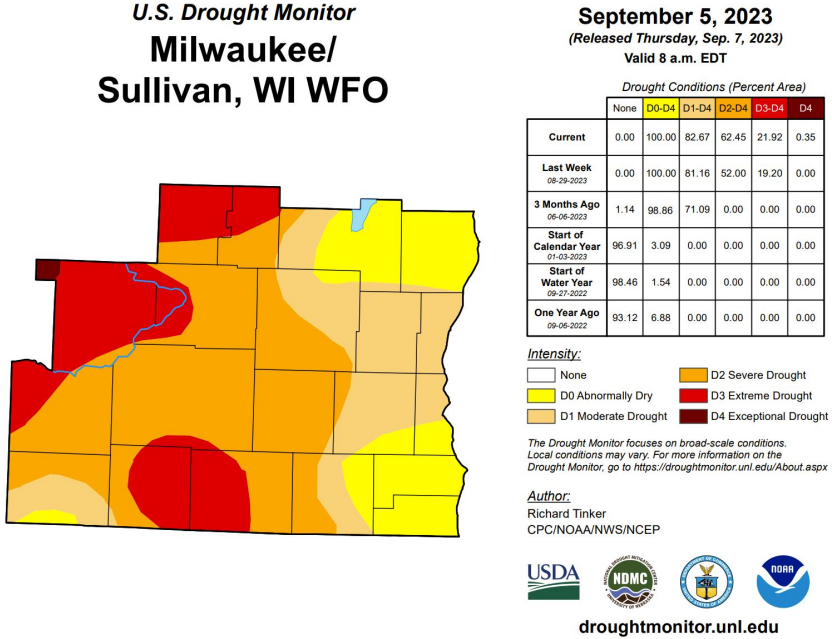


Image Caption: U.S. Drought Monitor valid 7am CDT Sep 5th.

Recent Change in Drought Intensity

Link to the latest 4-week change map for Wisconsin

- Outside of the addition of the small pocket of exceptional drought, drought conditions remain largely unchanged compared to last week.

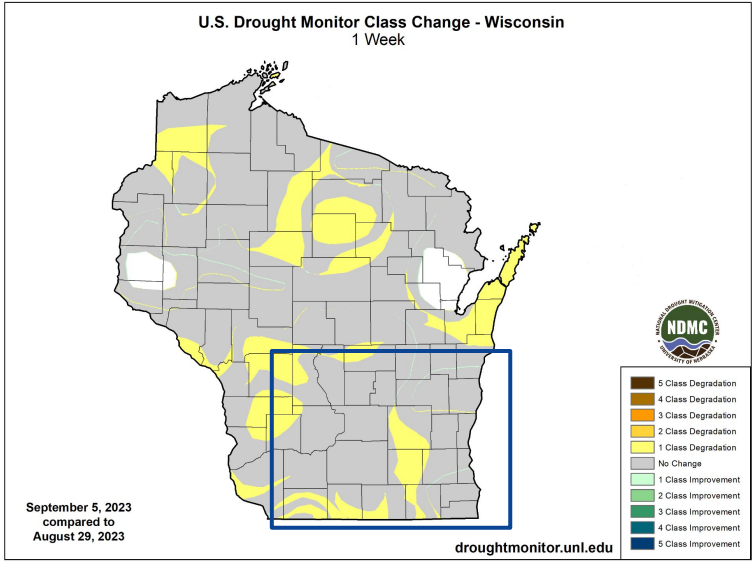


Image Caption: U.S. Drought Monitor 1-week change map valid 7am CDT Sep 5th.

Precipitation

- Precipitation deficits over the past 90 days are 3 to 6 inches in the severe drought area and 6 to 8 inches in the extreme and exceptional drought areas.
- Precipitation over the past 90 days is generally in the 50 to 70th percentile.

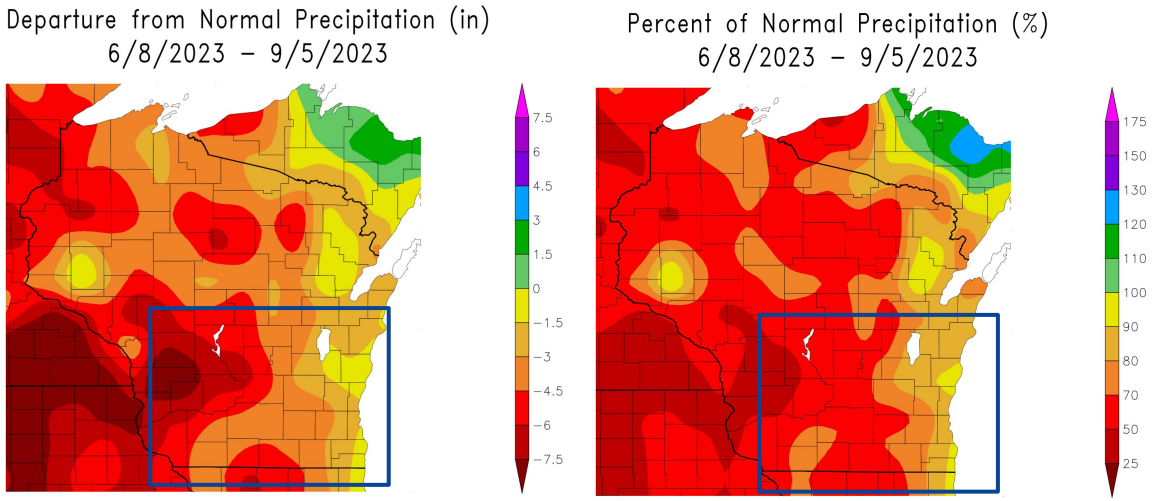


Image Captions:
Left - Precipitation Amount
Right - Percent of Normal Precipitation
Data Courtesy High Plains Regional Climate Center
Data over the past 90 days ending 9/6/23

Temperature

- Temperature over the past 30 days has been 1 to 2 degrees above average across most of southern Wisconsin

- Several days over the past two weeks were sunny with highs in the 90s, which helped to exacerbate drought conditions by decreasing soil moisture

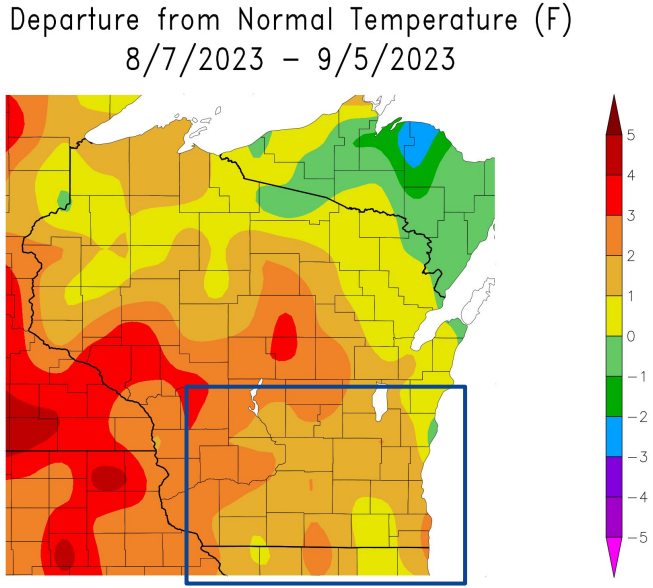


Image Captions:
Right - Departure from Normal Temperature
Data Courtesy High Plains Regional Climate Center
Data over the past 30 days ending 9/5/23

Summary of Impacts

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

Hydrologic Impacts

- Streamflows are average to below average

Agricultural Impacts

- Lawns are browning, crop growth is slow and yields are reduced

Fire Hazard Impacts

- Fuels remain at or near critically dry, especially across west-central Wisconsin

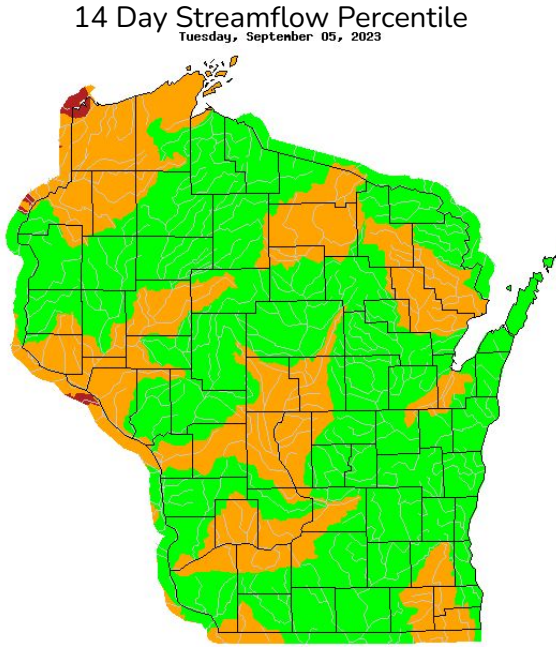
Mitigation Actions

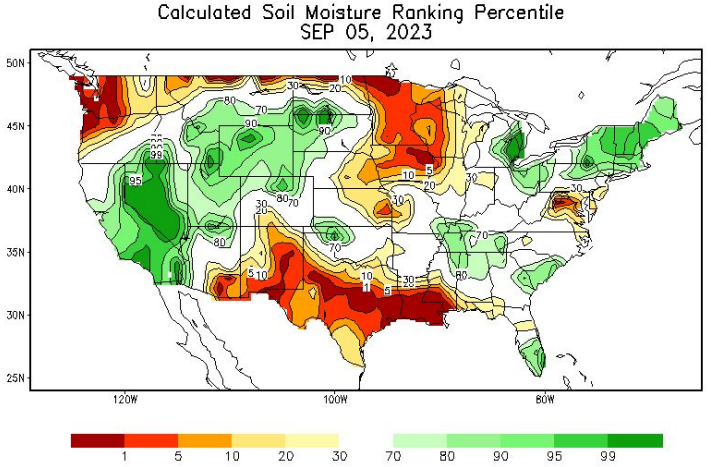
- Please refer to your municipality and/or water provider for mitigation information

Hydrologic Conditions and Impacts

- Streamflow over the past 14 days is in the 10-50th percentile across most of southern Wisconsin. Some areas in far southeast Wisconsin are less than the 10th percentile (not shown).

- Soil moisture percentile from the Climate Prediction Center is in the 5-30th percentile. These values have decreased over the past few weeks.



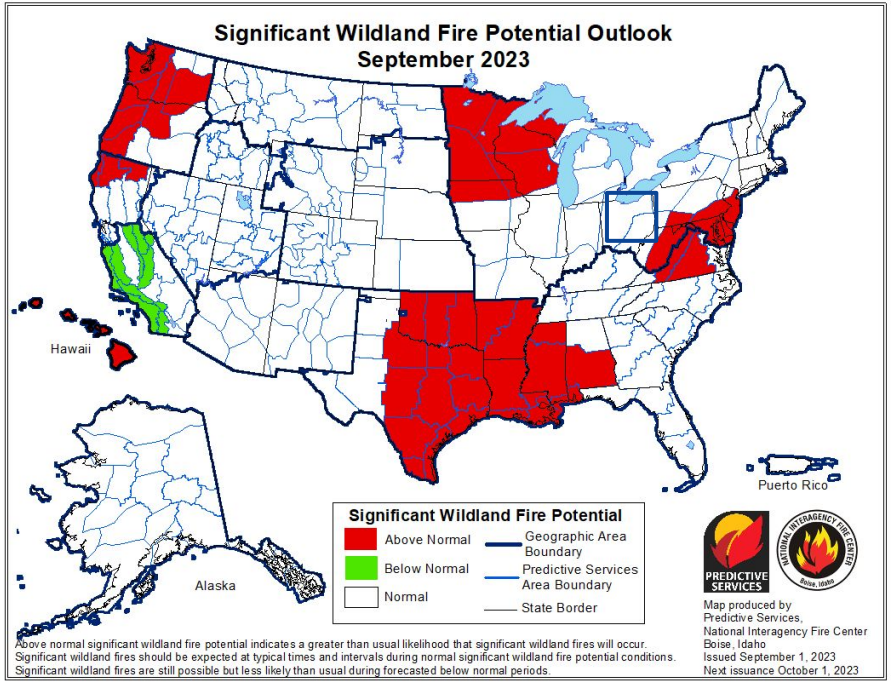


Explanation - Percentile classes							
Low	<10	10-24	25-75	76-90	>90	High	No Data
	Much below normal	Below normal	Normal	Above normal	Much above normal		

Fire Hazard Impacts

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

- Red Flag Warnings and Special Weather Statements blanketed much of central and southern Wisconsin over the Labor Day Weekend due to elevated and critical fire weather conditions.
- Between Sept. 3rd and Sept. 5th, 24 wildfires occurred across the state of Wisconsin in DNR Protection areas, with a majority of these fires focused across west-central Wisconsin.
- Fuels remain at or near critically dry, especially across west-central Wisconsin.



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

Image Caption: Significant Wildland Fire Potential Monthly Outlook

Seven Day Precipitation Forecast

- Some precipitation is expected for the latter half of the weekend into early next week
- Amounts will likely be less than one inch for most areas, which is below normal

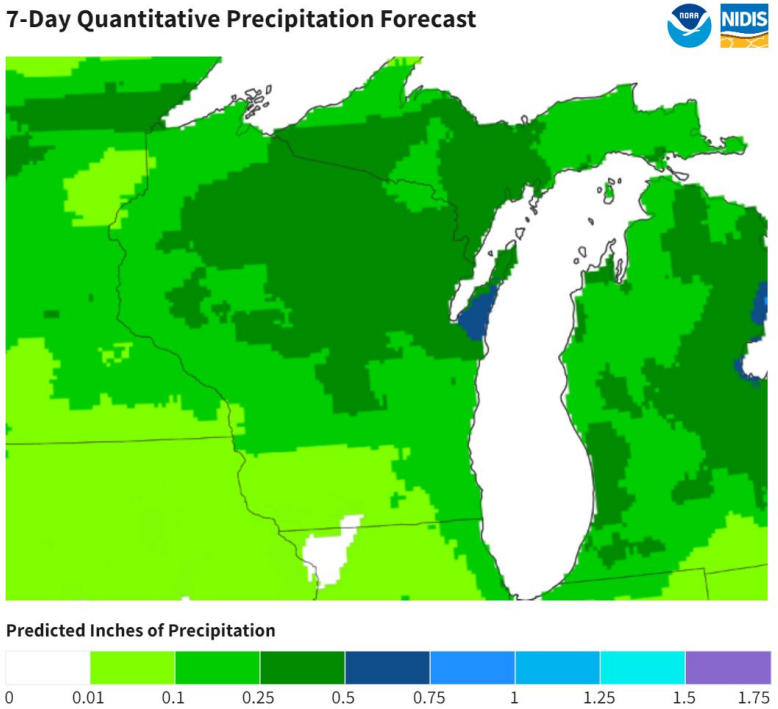
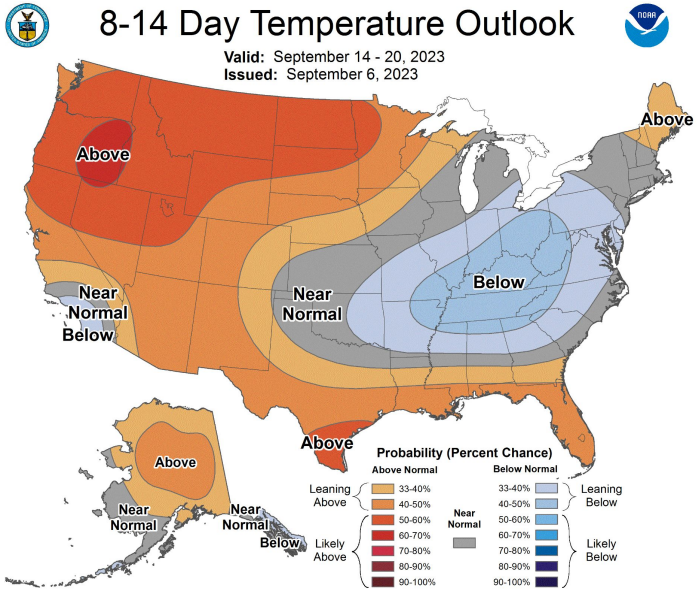


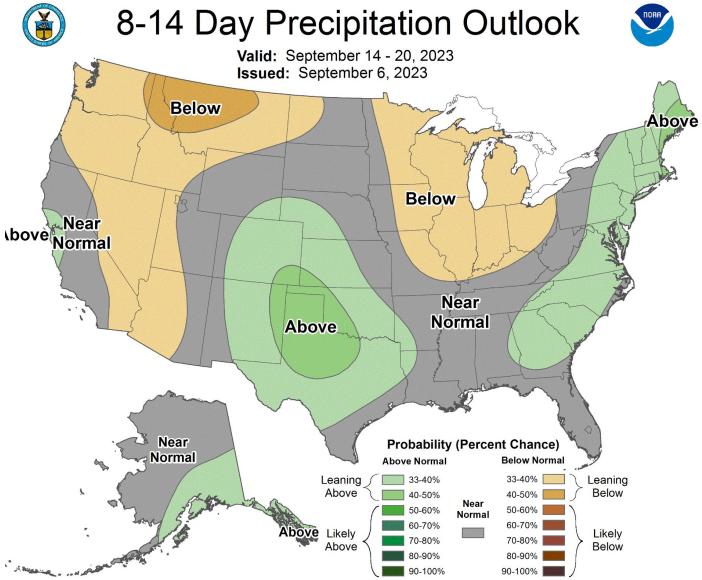
Image Caption: Weather Prediction Center 7-day precipitation forecast

Week 2 Outlook

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

- For the period from September 14-20 there are enhanced odds for near average temperature and below average precipitation

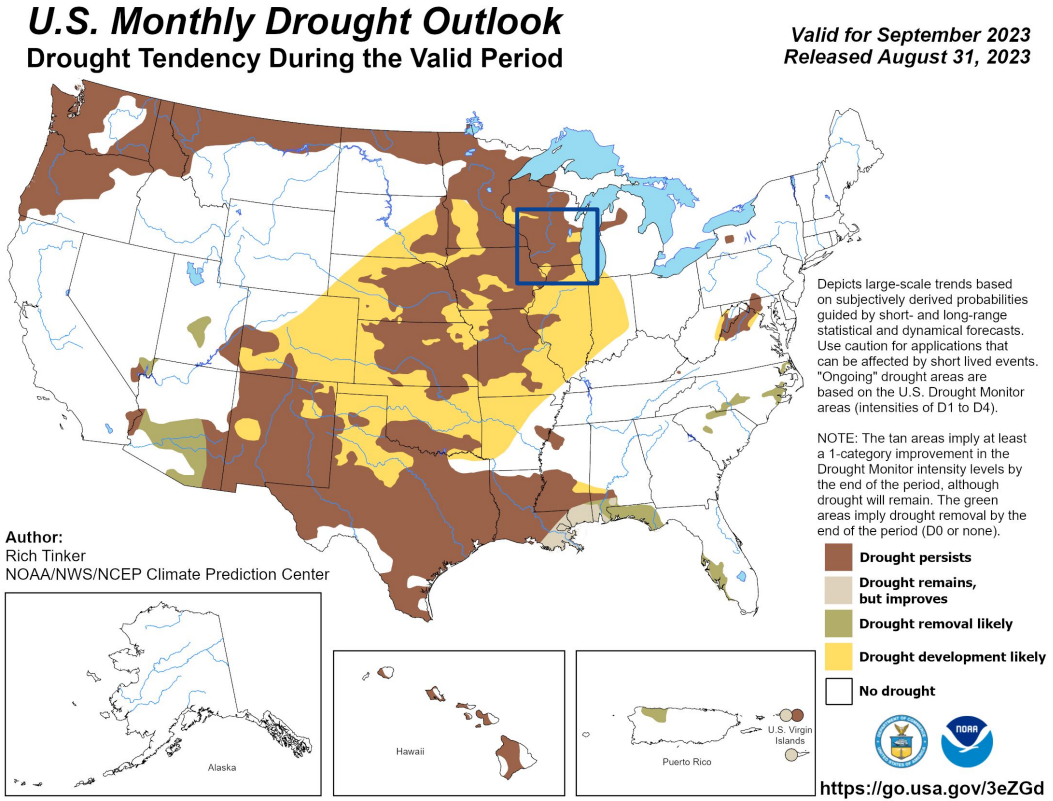




Drought Outlook

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

- Drought conditions are likely to persist across southern Wisconsin
- While temperatures will likely be more seasonable, a wetter pattern is needed to reduce precipitation deficits and improve drought conditions



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