



# Drought Information Statement for southern Wisconsin

Valid Sep 7, 2023

Issued By: NWS Milwaukee

Contact Information: [nws.milwaukee@noaa.gov](mailto: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.



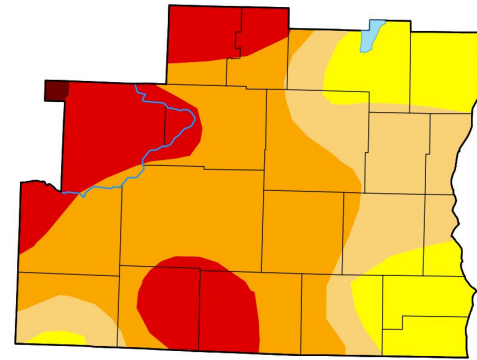


# U.S. Drought Monitor

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

## U.S. Drought Monitor Milwaukee/ Sullivan, WI WFO



**September 5, 2023**  
(Released Thursday, Sep. 7, 2023)  
Valid 8 a.m. EDT

	Drought Conditions (Percent Area)					
	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	0.00	100.00	82.67	62.45	21.92	0.35
<b>Last Week</b> 08-29-2023	0.00	100.00	81.16	52.00	19.20	0.00
<b>3 Months Ago</b> 06-06-2023	1.14	98.86	71.09	0.00	0.00	0.00
<b>Start of Calendar Year</b> 01-01-2023	96.91	3.09	0.00	0.00	0.00	0.00
<b>Start of Water Year</b> 09-27-2022	98.46	1.54	0.00	0.00	0.00	0.00
<b>One Year Ago</b> 09-06-2022	93.12	6.88	0.00	0.00	0.00	0.00

**Intensity:**

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate 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>

**Author:**  
Richard Tinker  
CPC/NOAA/NWS/NCEP



[droughtmonitor.unl.edu](http://droughtmonitor.unl.edu)

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.

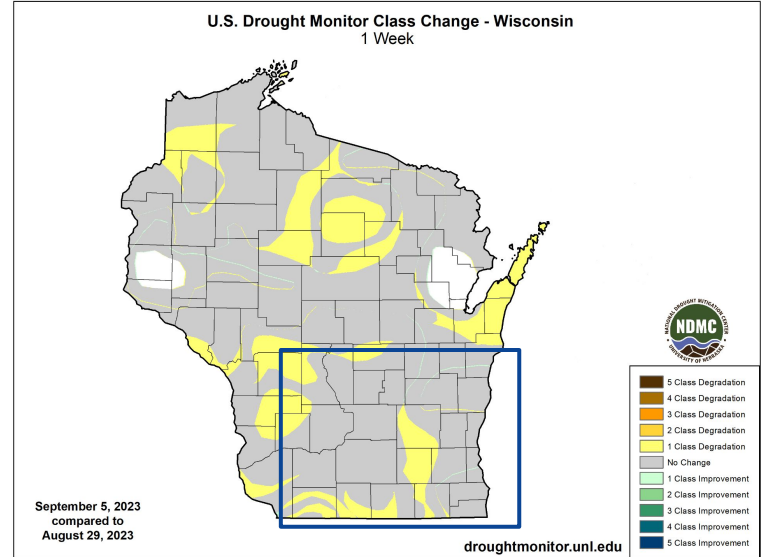


Image Caption: U.S. Drought Monitor 1-week change map valid 7am CDT Sep 5th.

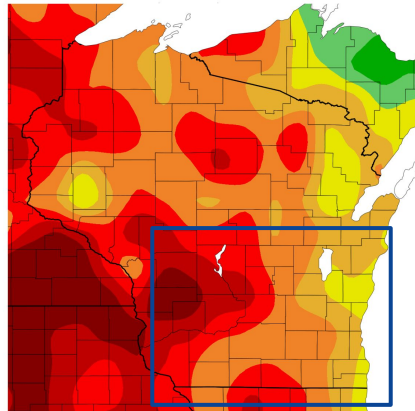




# Precipitation

- 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.

Departure from Normal Precipitation (in)  
6/8/2023 – 9/5/2023



Percent of Normal Precipitation (%)  
6/8/2023 – 9/5/2023

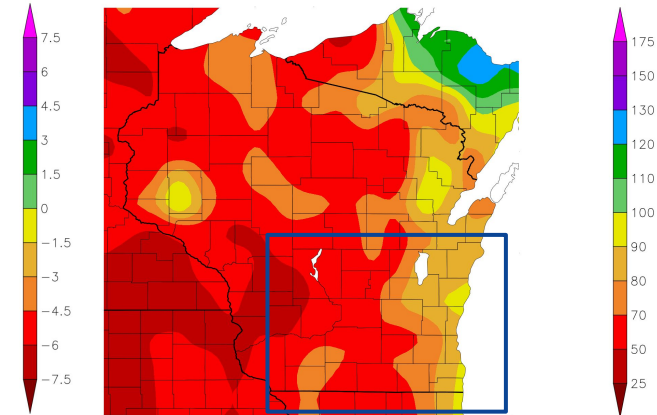


Image Captions:  
Left - Precipitation Amount  
Right - Percent of Normal Precipitation  
Data Courtesy High Plains Regional Climate Center  
Data over the past 90 days ending 9/6/23





# 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

Departure from Normal Temperature (F)  
8/7/2023 - 9/5/2023

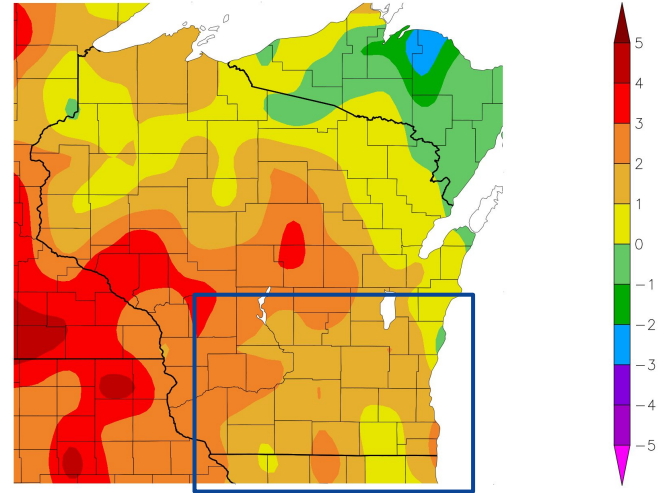


Image Captions:  
Right - Departure from Normal Temperature  
Data Courtesy High Plains Regional Climate Center  
Data over the past 30 days ending 9/5/23





# 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

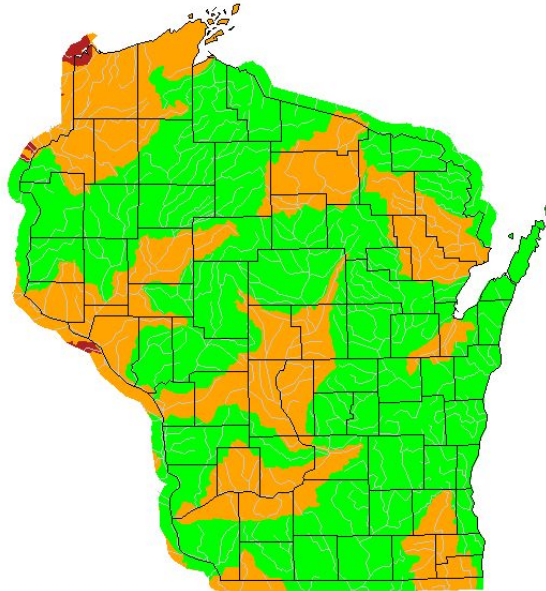




# Hydrologic Conditions and Impacts

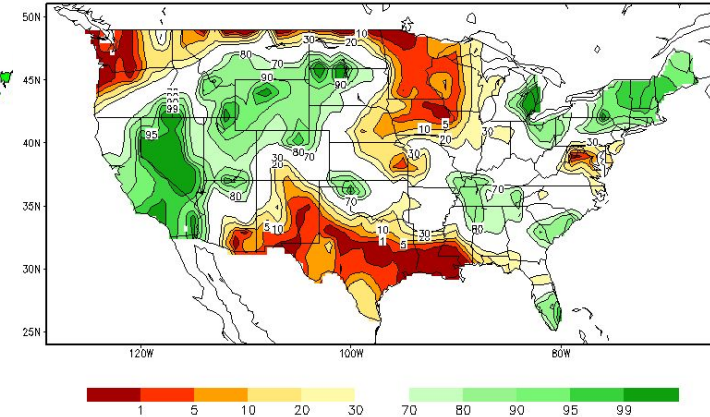
- Streamflow over the past 14 days is in the 10-50th percentile across most of southern Wisconsin. Some areas in far southeast Wisconsin are less than the 10th percentile (not shown).
- Soil moisture percentile from the Climate Prediction Center is in the 5-30th percentile. These values have decreased over the past few weeks.

14 Day Streamflow Percentile  
Tuesday, September 05, 2023



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			

Calculated Soil Moisture Ranking Percentile  
SEP 05, 2023

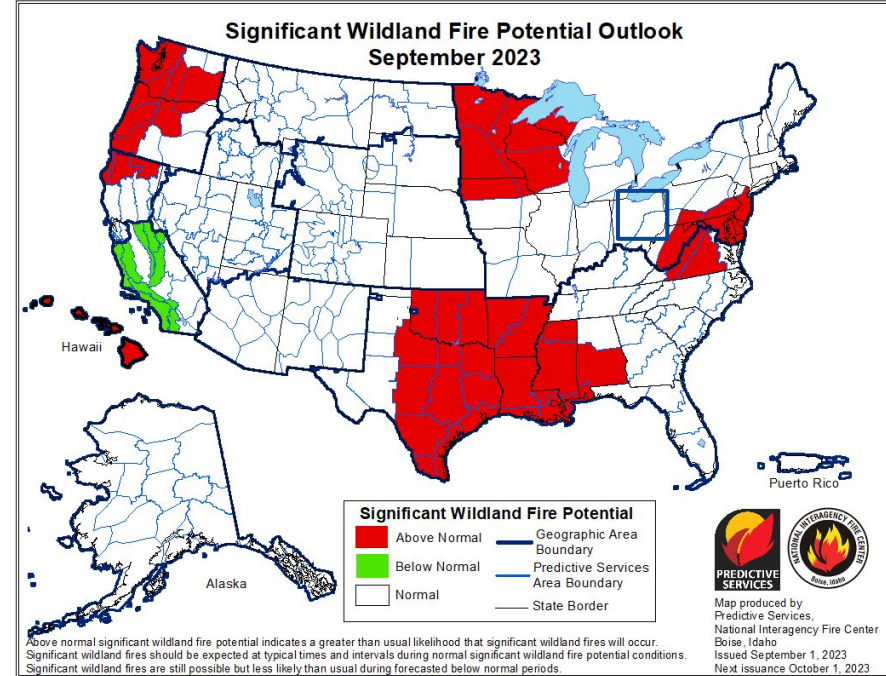




# Fire Hazard Impacts

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](#)



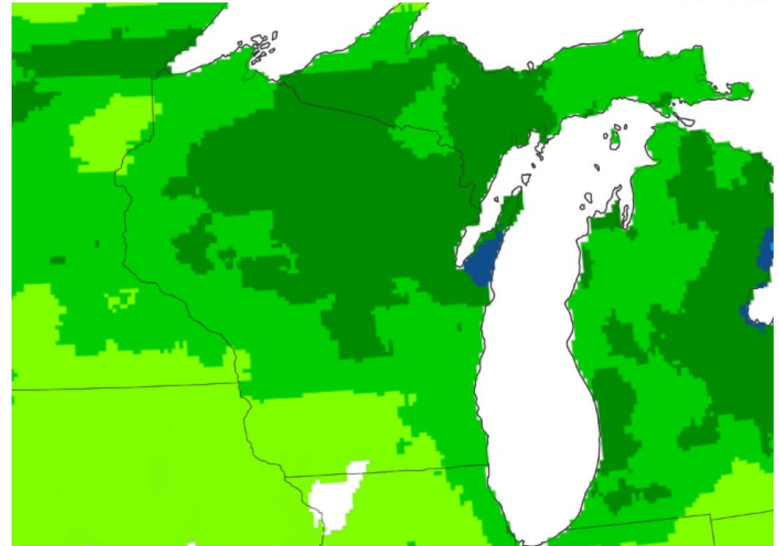




# Seven Day Precipitation Forecast

- 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

7-Day Quantitative Precipitation Forecast



Predicted Inches of Precipitation



Image Caption: Weather Prediction Center [7-day precipitation forecast](#)





# Week 2 Outlook

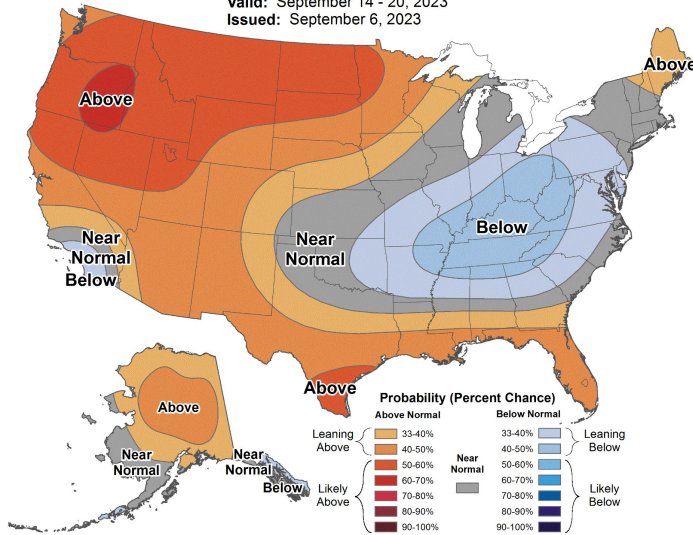
The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

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



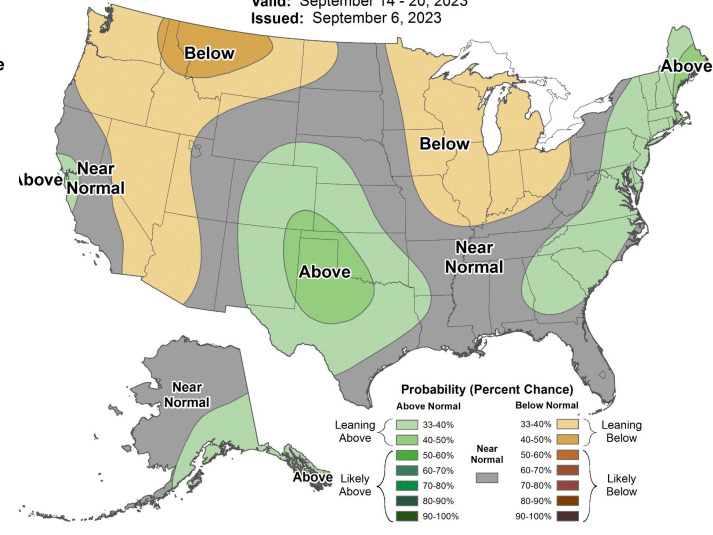
## 8-14 Day Temperature Outlook

Valid: September 14 - 20, 2023  
Issued: September 6, 2023



## 8-14 Day Precipitation Outlook

Valid: September 14 - 20, 2023  
Issued: September 6, 2023





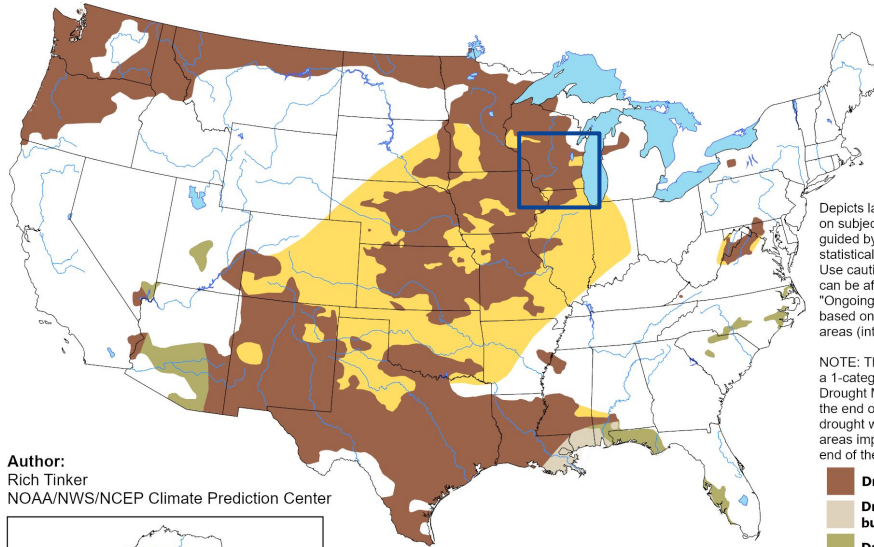
# Drought Outlook

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

## U.S. Monthly Drought Outlook Drought Tendency During the Valid Period

Valid for September 2023  
Released August 31, 2023

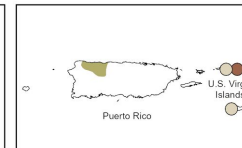
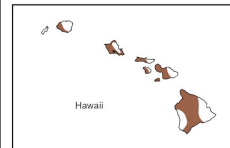
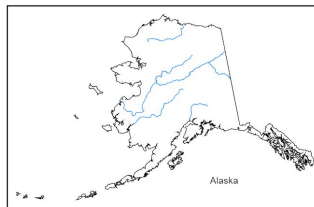


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to 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:  
Rich Tinker  
NOAA/NWS/NCEP Climate Prediction Center



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

Links to the latest:

[Climate Prediction Center Monthly Drought Outlook](#)

[Climate Prediction Center Seasonal Drought Outlook](#)



National Oceanic and Atmospheric Administration  
U.S. Department of Commerce

National Weather Service  
Milwaukee, WI