



# Drought Information Statement for southern Wisconsin

Valid Oct 12, 2023

Issued By: NWS Milwaukee

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

- This product will be updated Oct 26, or sooner if drought conditions change considerably.
- Please see all currently available products at <https://drought.gov/drought-information-statements>.
- Please visit <https://www.weather.gov/mkx/DroughtInformationStatement> for previous statements.







# Southern Wisconsin Drought Update

October 12, 2023  
10:14 AM

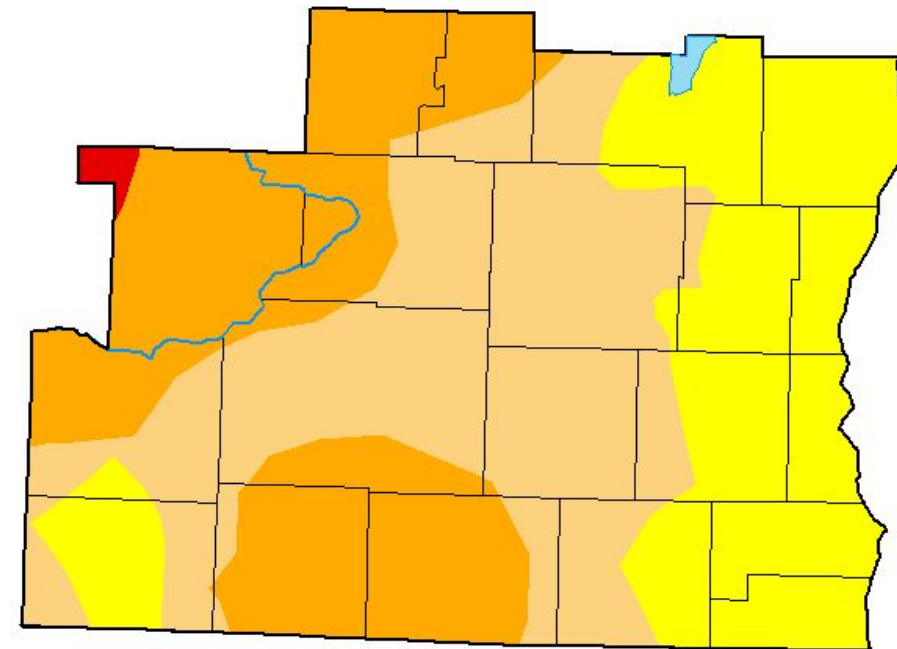
Link to the [latest U.S. Drought Monitor](#) for Wisconsin

- No changes over the past week
- Extreme drought (D3) conditions in far northwest Sauk County
- Severe (D2) and Moderate (D1) conditions across south-central Wisconsin
- Abnormally dry (D0) conditions across southeast Wisconsin and parts of southwest Wisconsin

U.S. Drought Monitor

## Milwaukee/ Sullivan, WI WFO

October 10, 2023 (Released Oct 12, 2023)



Intensity:



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

Image Caption: U.S. Drought Monitor valid Oct 10th.



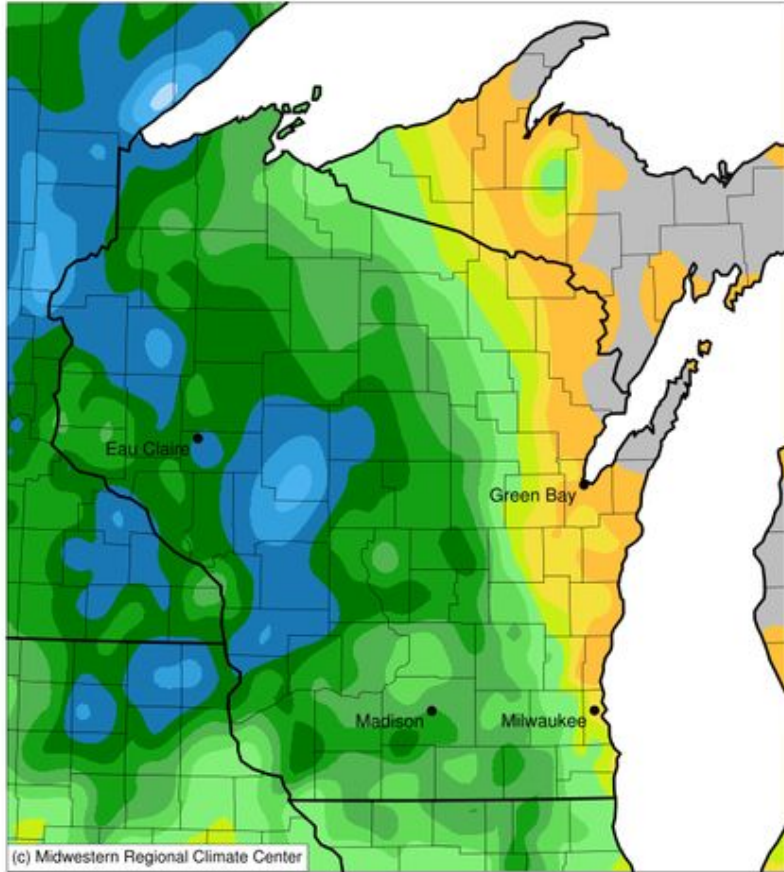


# Precipitation - Past 3 Weeks

October 12, 2023  
10:14 AM

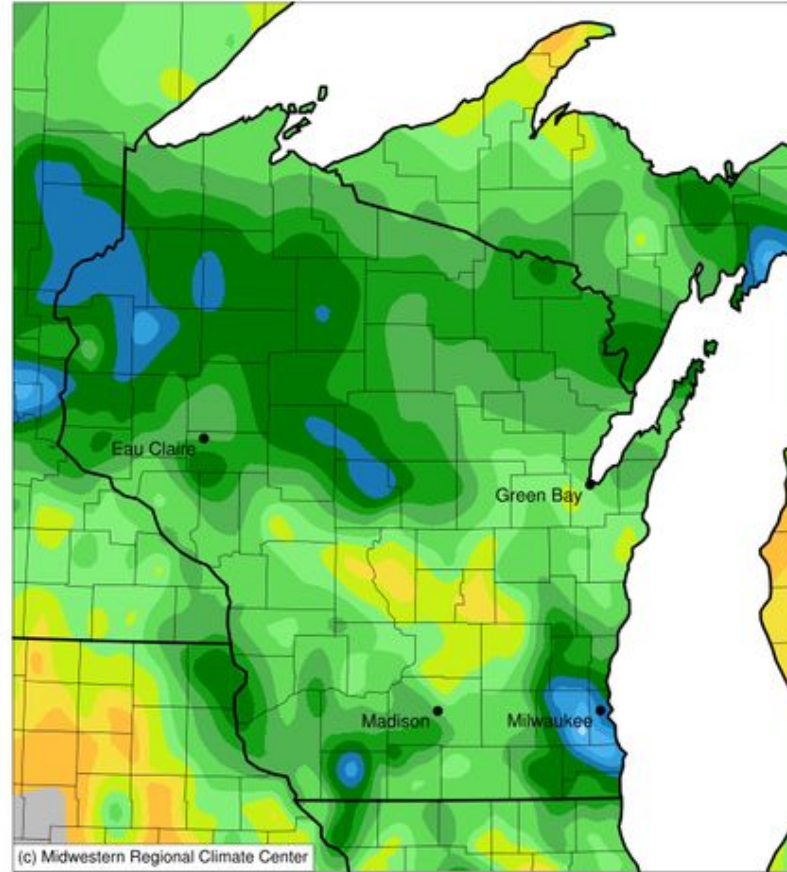
Accumulated Precipitation (in)

September 20, 2023 to September 26, 2023



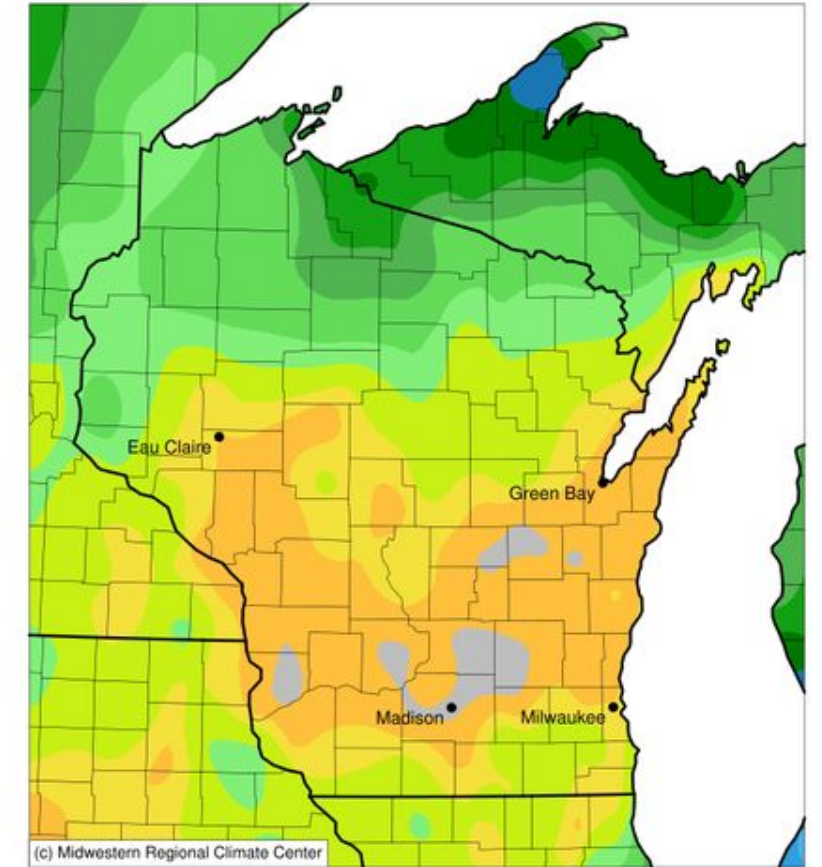
Accumulated Precipitation (in)

September 27, 2023 to October 03, 2023



Accumulated Precipitation (in)

October 04, 2023 to October 10, 2023



Data Courtesy of Midwest Regional Climate Center







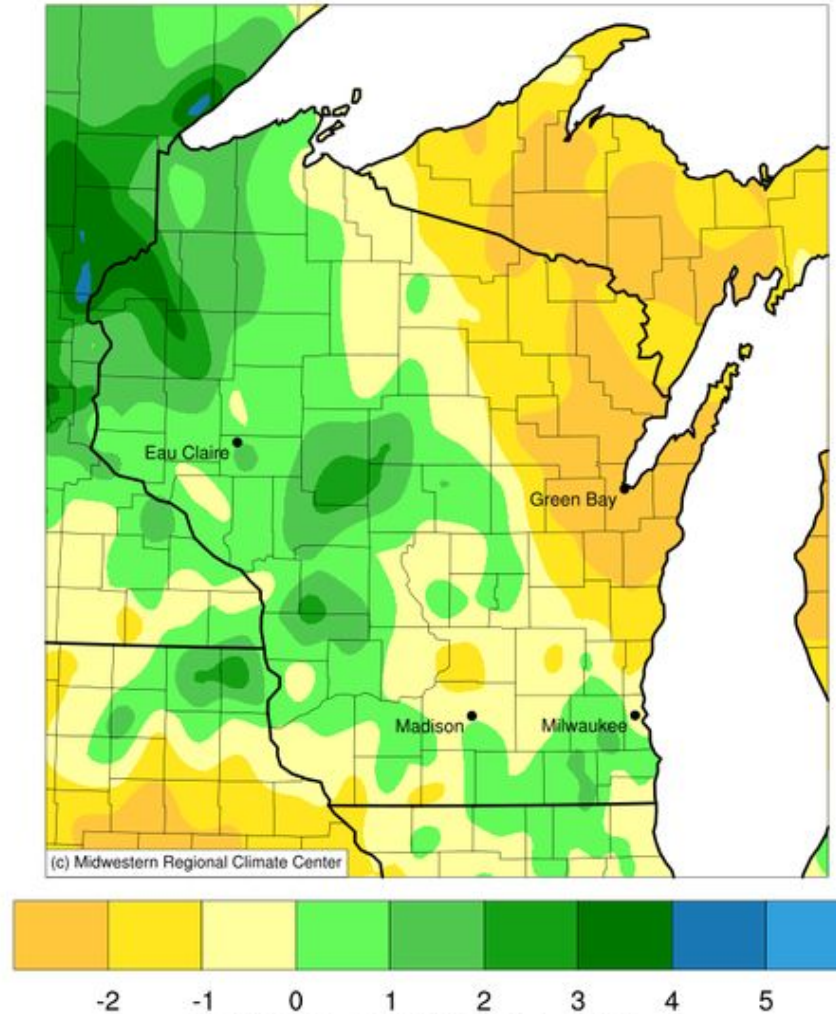
# Precipitation Deficits

October 12, 2023  
10:14 AM

- 2 to 4 inches of rain fell in the past month across most of southern Wisconsin and 30 day rainfall deficits are within an inch of normal and are positive in some areas. The exception is Sheboygan county which received 0.75 to 1.5 inches and 30 day deficits are 1-2 inches.
- Deficits over the past 50 months are up to 4 inches in the abnormally dry area and 4 to 10 inches in the severe and extreme drought areas.

## Past 30 Days

Accumulated Precipitation (in): Departure from 1991-2020 Normals  
September 13, 2023 to October 10, 2023



## Past 5 Months

Accumulated Precipitation (in): Departure from 1991-2020 Normals  
June 06, 2023 to October 10, 2023

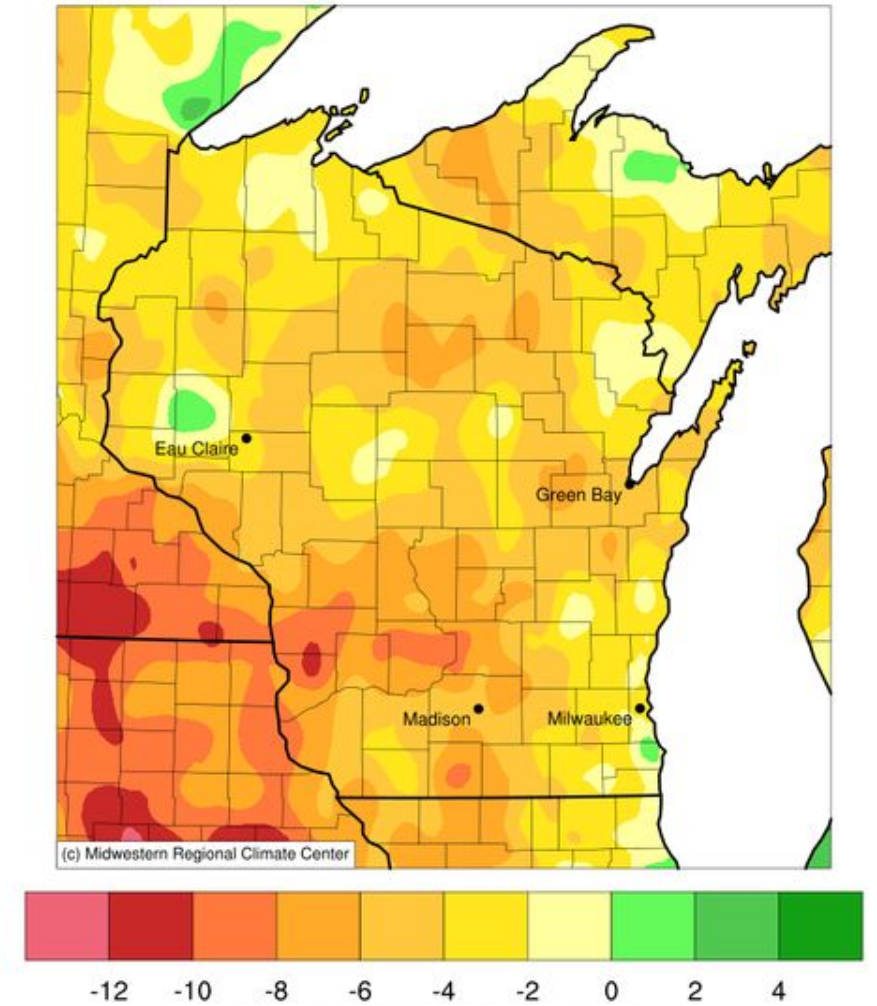


Image Caption: Precipitation Departure from Normal. Data Courtesy of Midwest Regional Climate Center





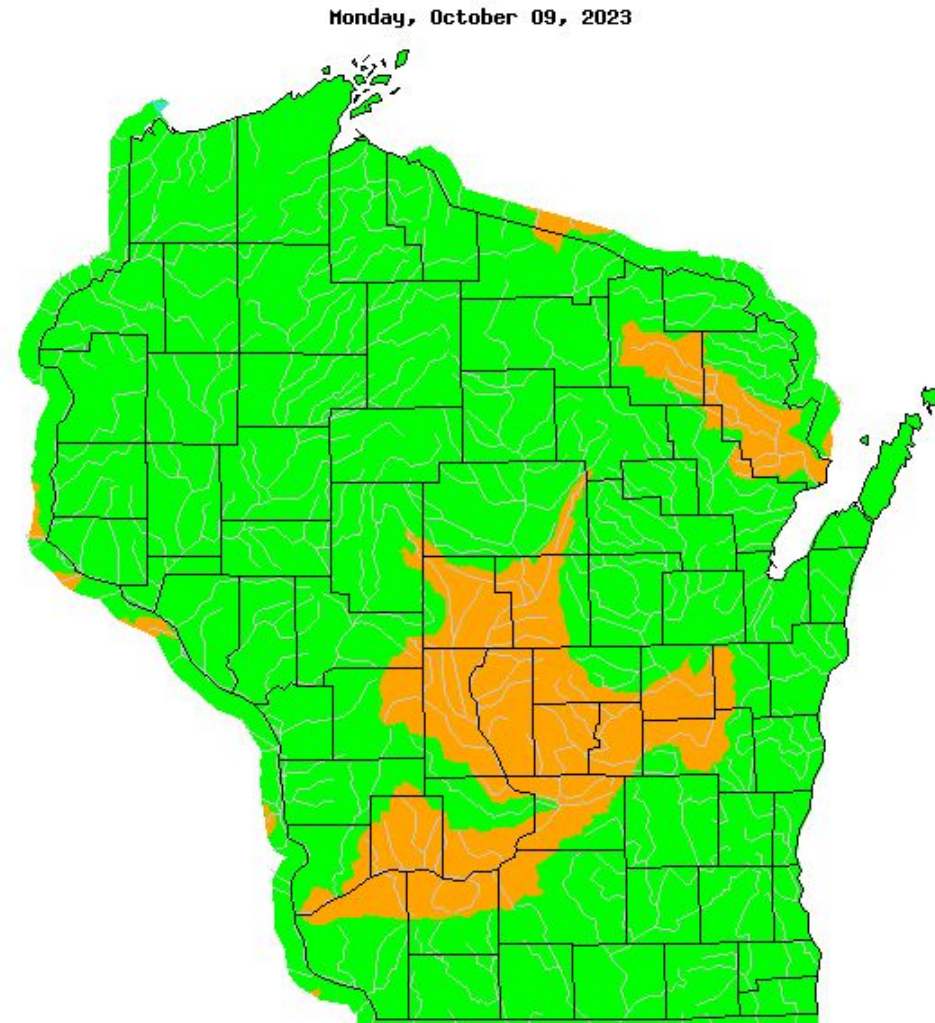


# Hydrologic Conditions and Impacts

October 12, 2023  
10:14 AM

- Streamflow averaged over the past 28 days is in the 10-70th percentile. Highest values in in southeast Wisconsin.
- Soil moisture is in the 1-30th percentile, with the lowest values in southwest Wisconsin.

## 28 Day Streamflow



Explanation - Percentile classes							
Low	<10 Much below normal	10-24 Below normal	25-75 Normal	76-90 Above normal	>90 Much above normal	High	Not-ranked

## Soil Moisture Percentile Oct 9, 2023

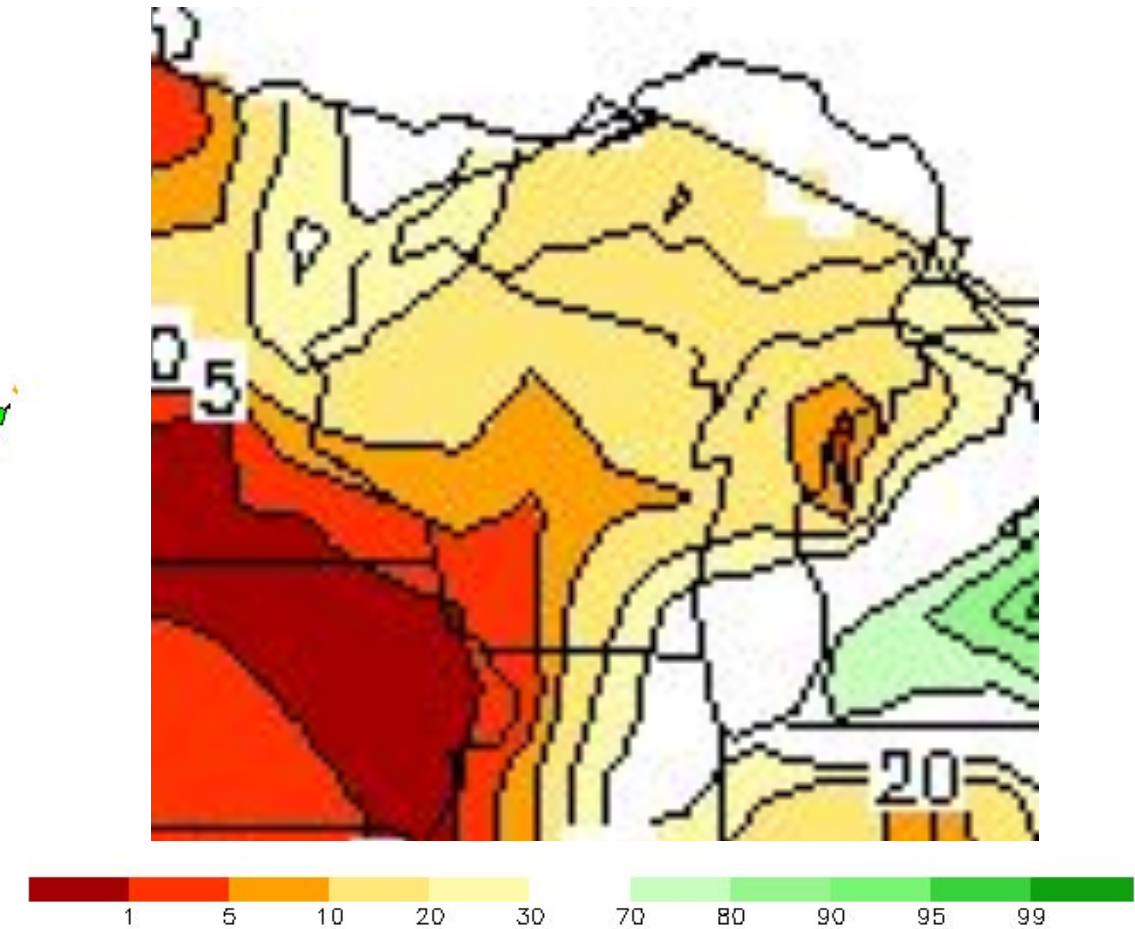


Image Caption: USGS 28day average streamflow (left)  
Left: CPC Calculated [Soil Moisture Ranking Percentile](#)





# Summary of Impacts

October 12, 2023  
10:14 AM

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







# 3 Day Precipitation Forecast

October 12, 2023  
10:14 AM

- 1.5 to 2.5 inches of rain is expected through 7 AM Sunday. Some areas may receive over 3 inches.
- There is a 50-70% chance of exceeding 2 inches (image on right).
- Average precipitation is about 0.75 inches/week so some drought improvement is likely.
- Next chance for rain is late next week.

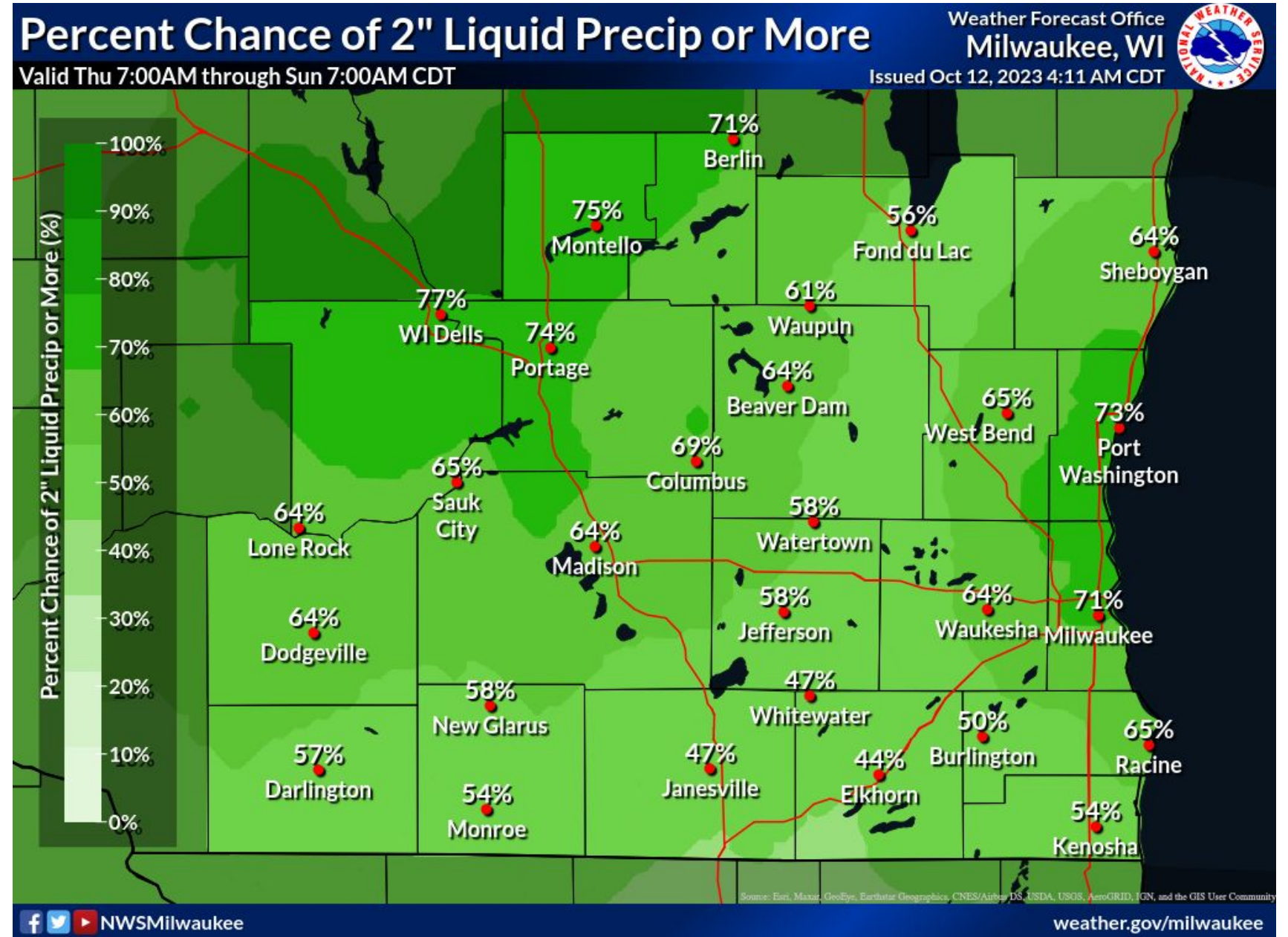


Image Caption: NWS 3 Day Precipitation Forecast







# Week 2 Outlook

October 12, 2023  
10:14 AM

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

- For the period of Oct 17-23 there are slightly enhanced odds for above average temperature and below average precipitation

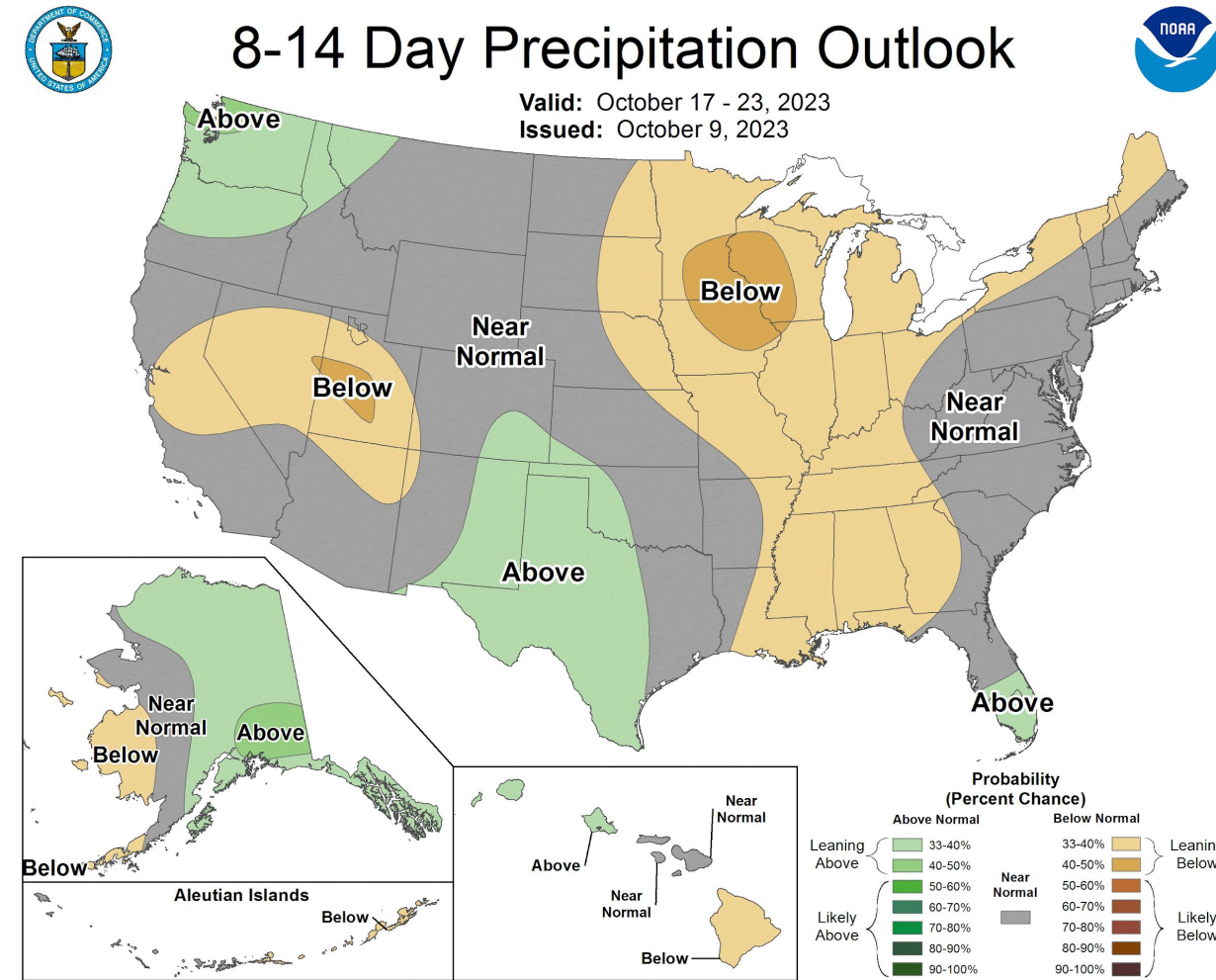
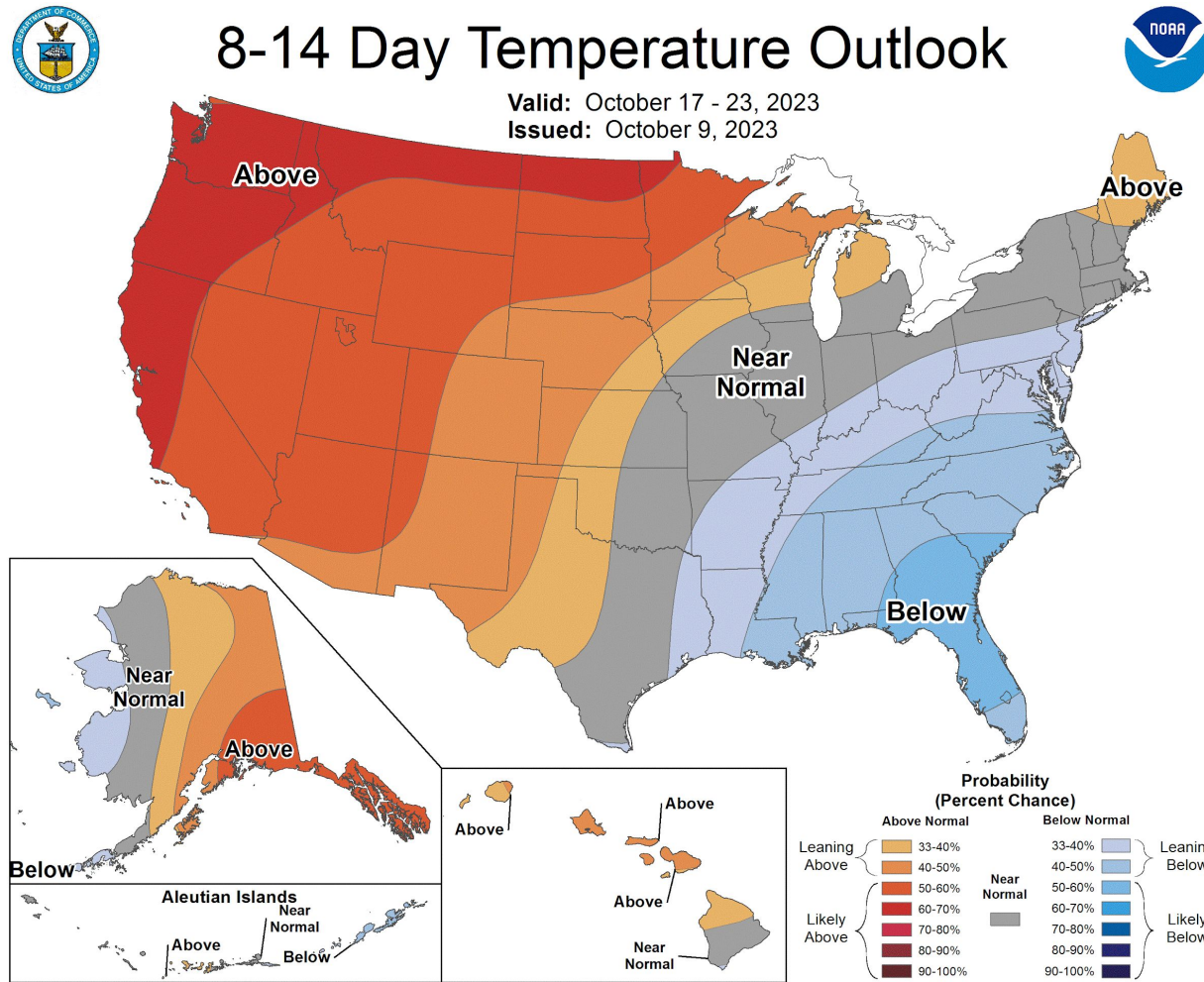


Image Captions:  
 Left - [Climate Prediction Center Monthly Temperature Outlook.](#)  
 Right - [Climate Prediction Center Monthly Precipitation Outlook.](#)





# Oct-Nov-Dec Outlook

October 12, 2023  
10:14 AM

- For the period of Oct to Dec there is no signal one way or the other for warm/cool or wet/dry; meaning there are equal odds for above, near and below average temperature and above, near and below average precipitation.

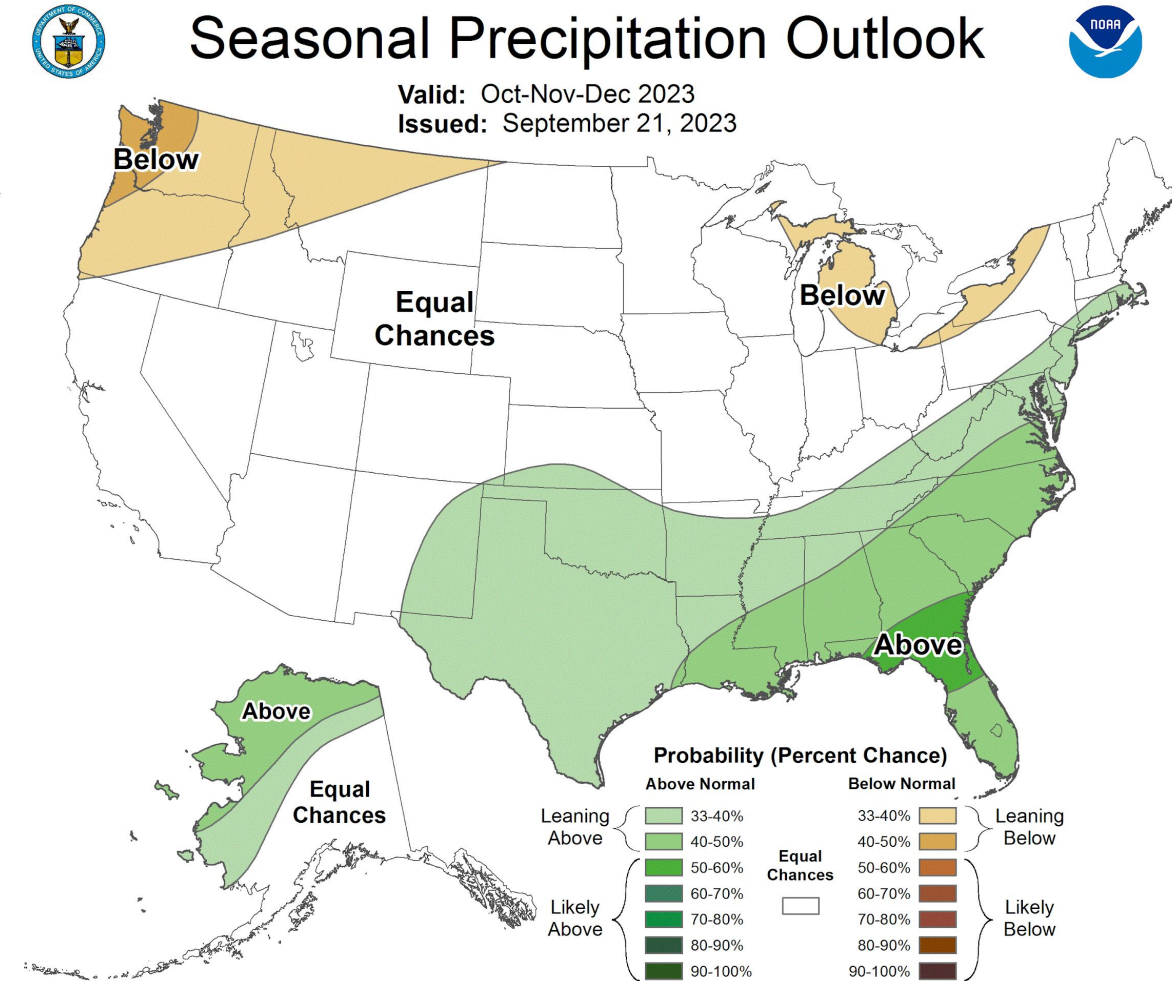
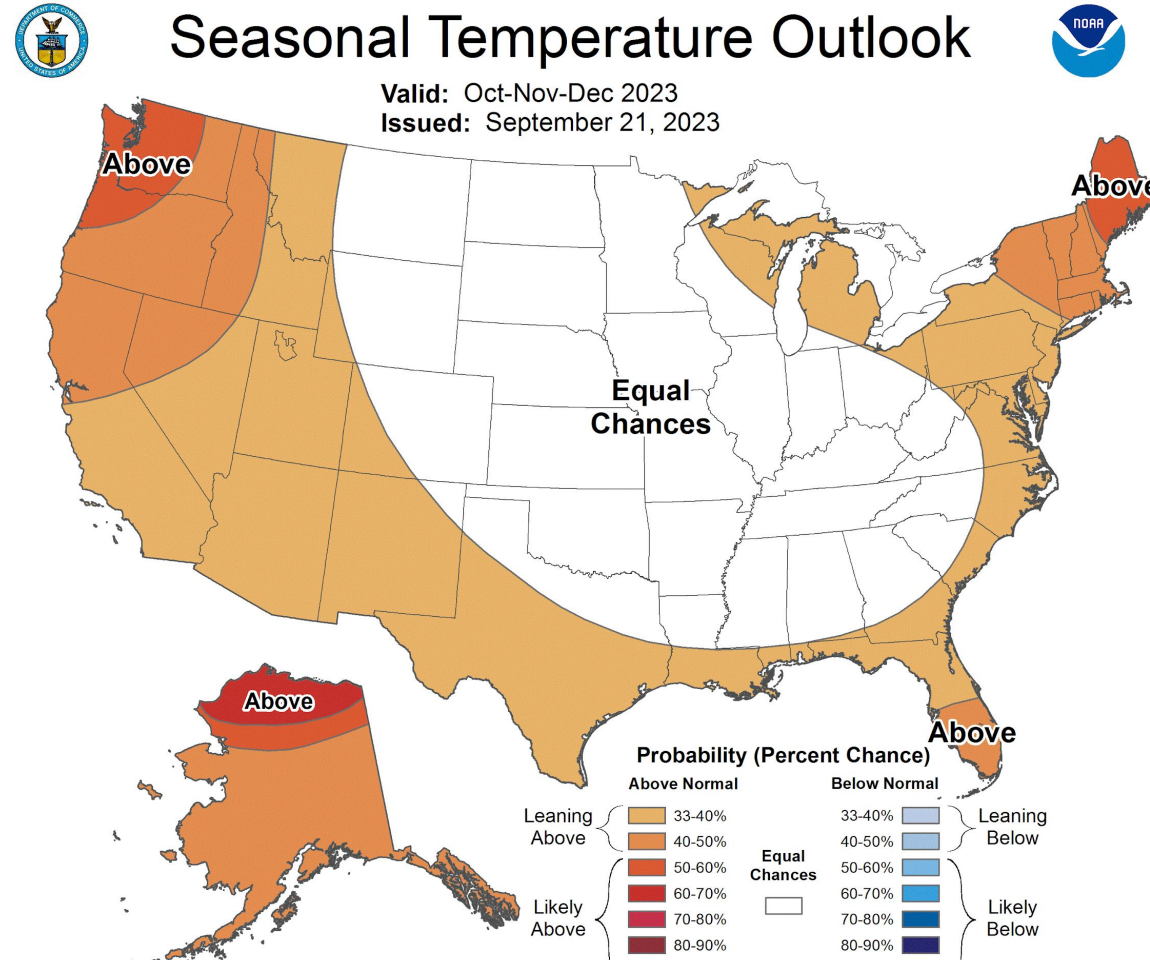


Image Captions:

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

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







# Jan-Feb-Mar Outlook

October 12, 2023  
10:14 AM

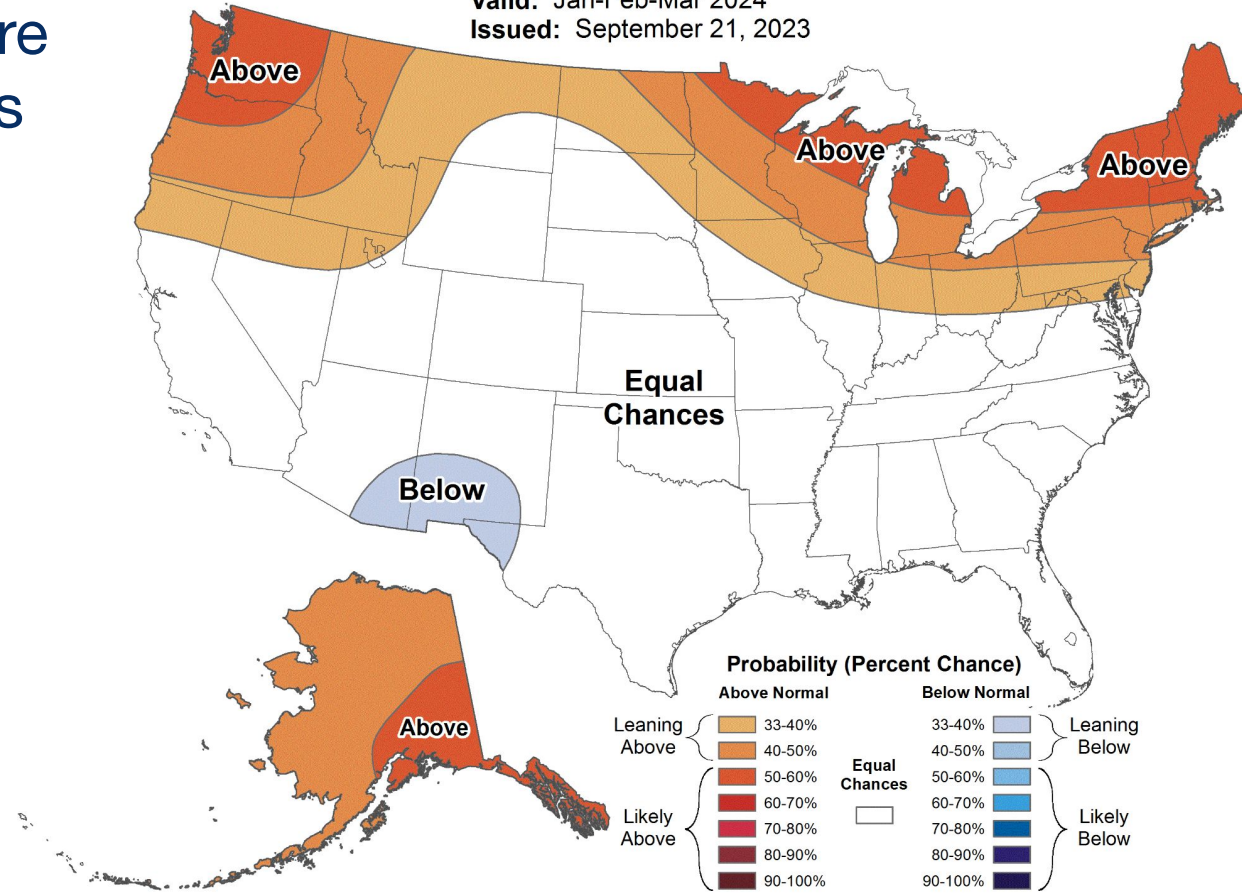
- For the period of Jan to March 2024 there are enhanced odds for above average temperature and below average precipitation.



## Seasonal Temperature Outlook



Valid: Jan-Feb-Mar 2024  
Issued: September 21, 2023



## Seasonal Precipitation Outlook



Valid: Jan-Feb-Mar 2024  
Issued: September 21, 2023

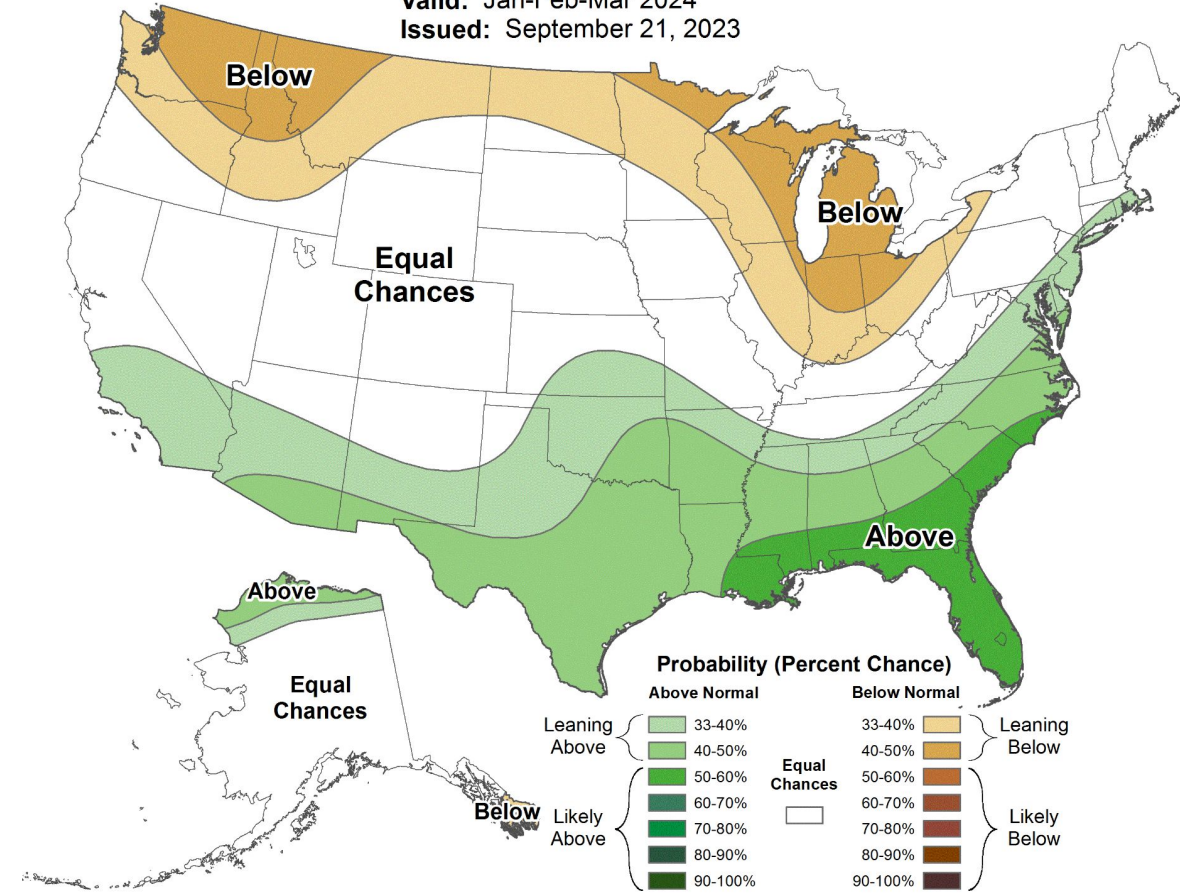


Image Captions:

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

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







# Seasonal Drought Outlook

October 12, 2023  
10:14 AM

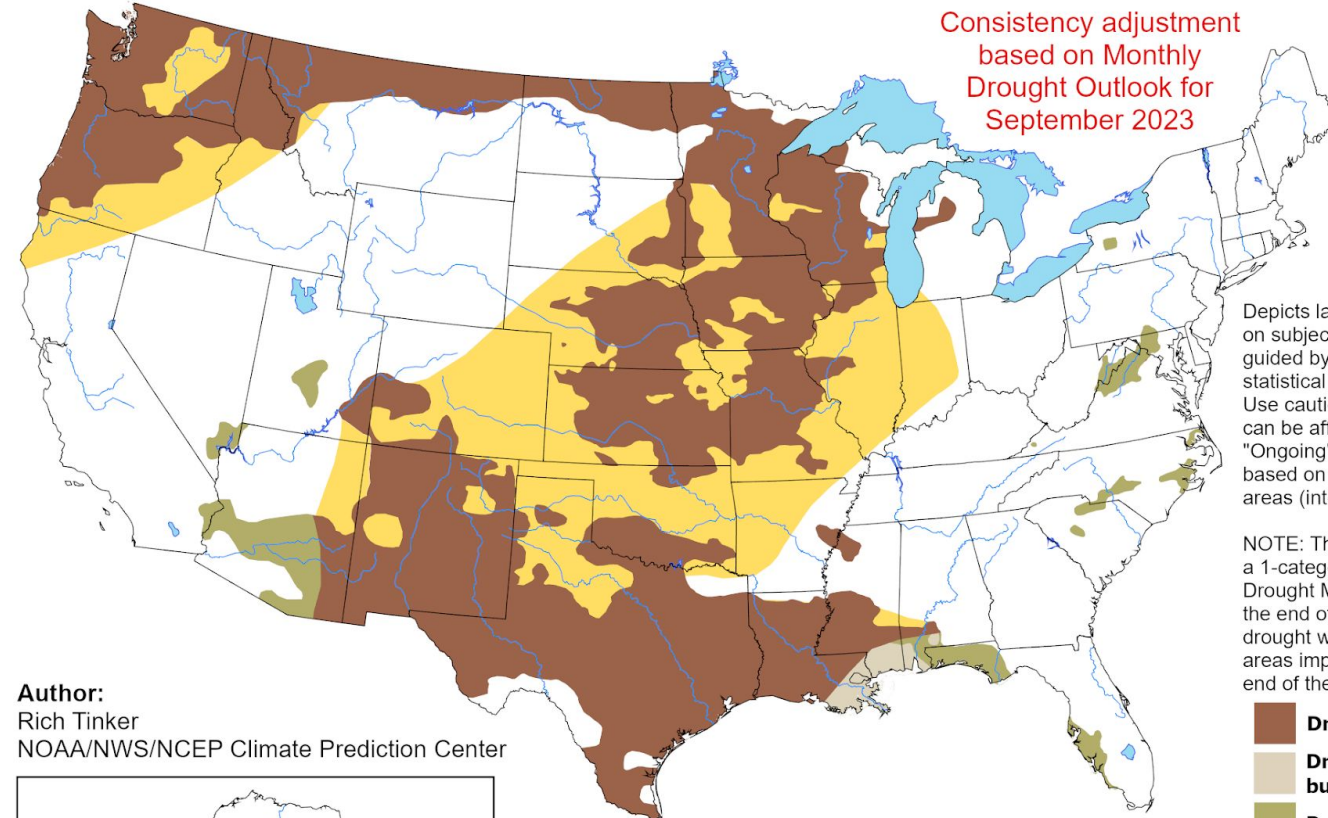
The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

- While some improvement is likely with the precipitation expected over the next few days, there is a lack of a wet signal in the seasonal outlook. As a result, drought conditions are likely to persist across most of southern Wisconsin

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

Valid for September 1 - November 30, 2023  
Released August 31, 2023

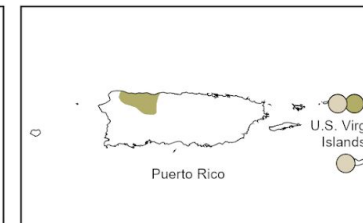
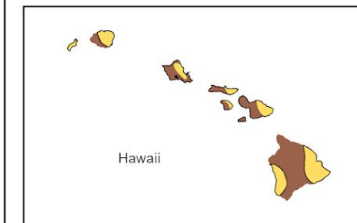
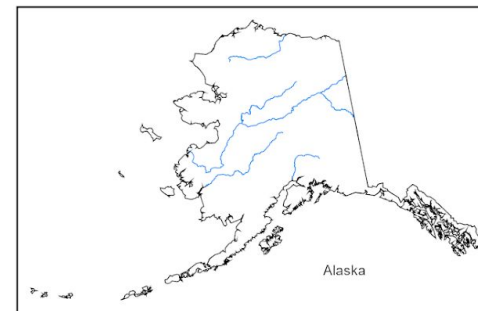
Consistency adjustment  
based on Monthly  
Drought Outlook for  
September 2023



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).

Author:  
Rich Tinker  
NOAA/NWS/NCEP Climate Prediction Center



- Drought persists
- Drought remains, but improves
- Drought removal likely
- Drought development likely
- No drought



<https://go.usa.gov/3eZ73>

Image Caption:  
Climate Prediction Center Seasonal Drought Outlook

Links to the latest:  
[Climate Prediction Center Monthly Drought Outlook](#)  
[Climate Prediction Center Seasonal Drought Outlook](#)