



# Drought Information Statement for Southern Wisconsin

Valid Nov. 16, 2023

Issued By: NWS Milwaukee

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

- This product will be updated Dec. 21, 2023 or sooner if 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.





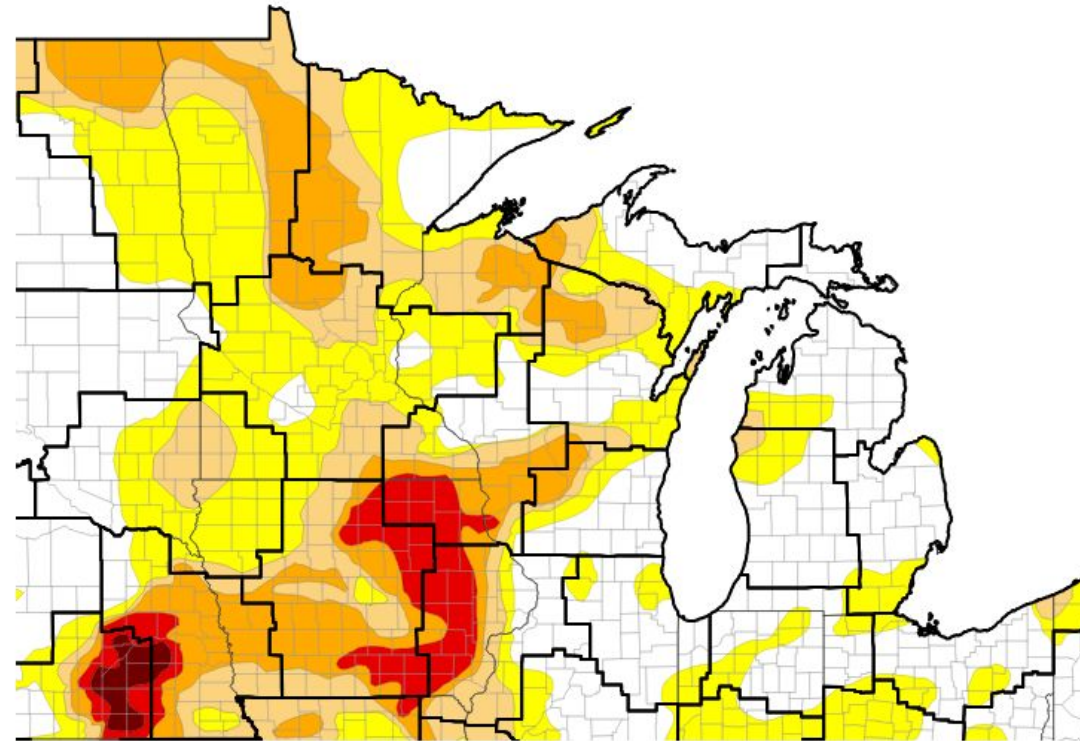


# Wisconsin Drought Update

November 16, 2023  
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- No change in drought intensity this week, but below normal rainfall was observed over the drought area.
- Moderate to Severe drought continues over Sauk, Marquette, and portions of Columbia and Green Lake Counties.
- Just minor precipitation is expected for the next week.

U.S. Drought Monitor



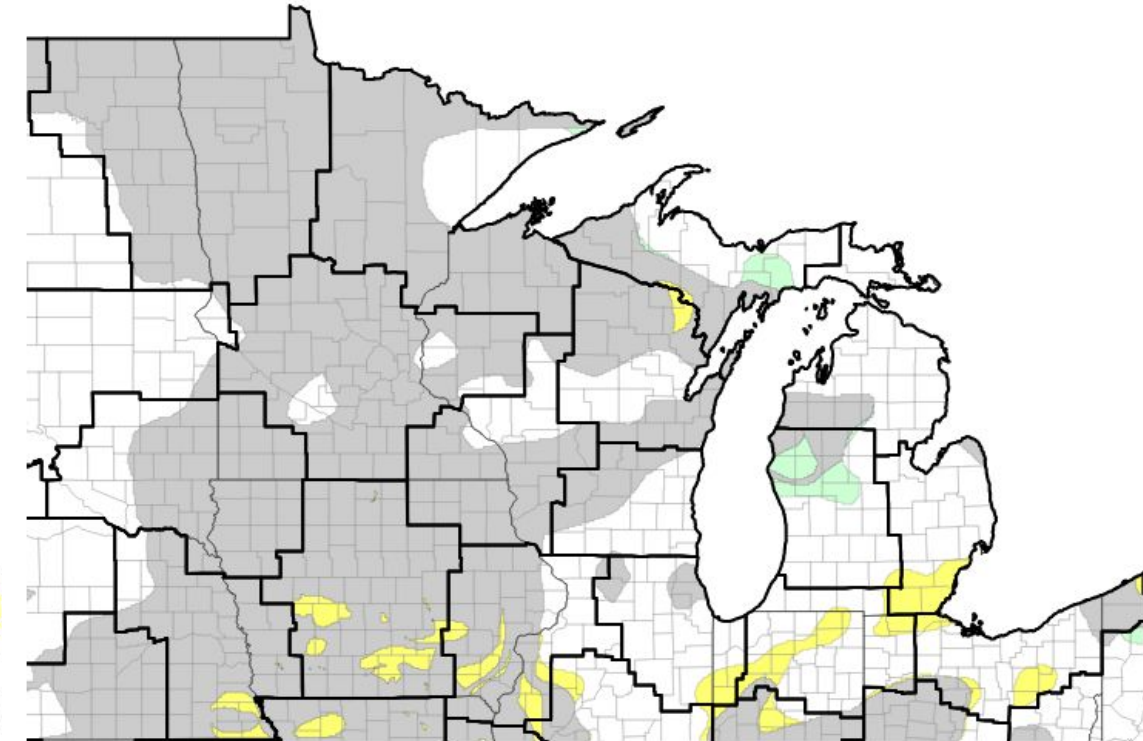
U.S. Drought Monitor



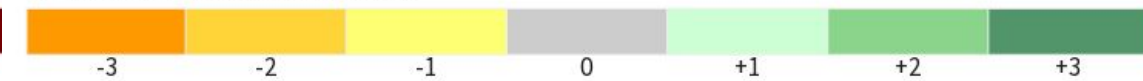
Source(s): NDMC, NOAA, USDA; image courtesy of Drought.gov

Data Valid: 11/14/23

U.S. Drought Monitor 1-Week Change Map



Drought Change Since Last Week



Source(s): NDMC, NOAA, USDA; image courtesy of Drought.gov

Data Valid: 11/14/23

Intensity:



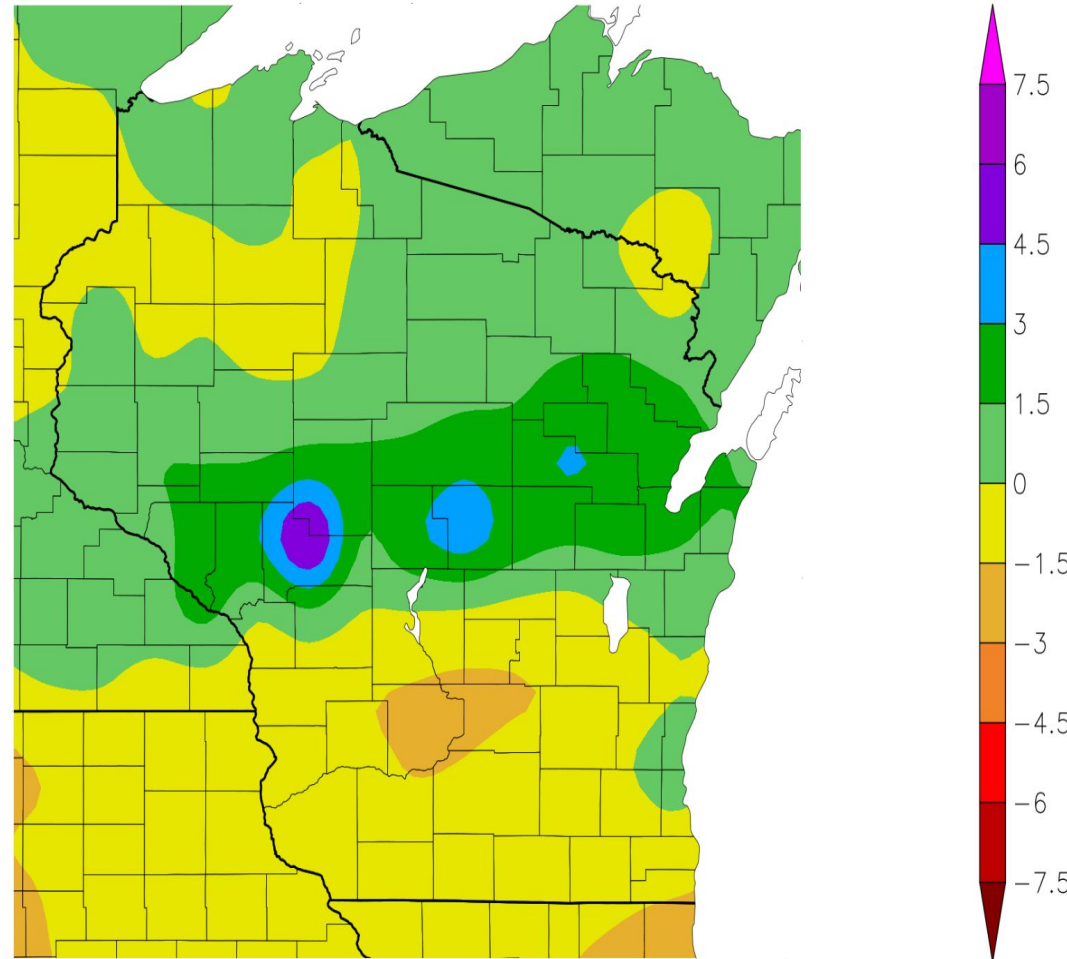


# Precipitation

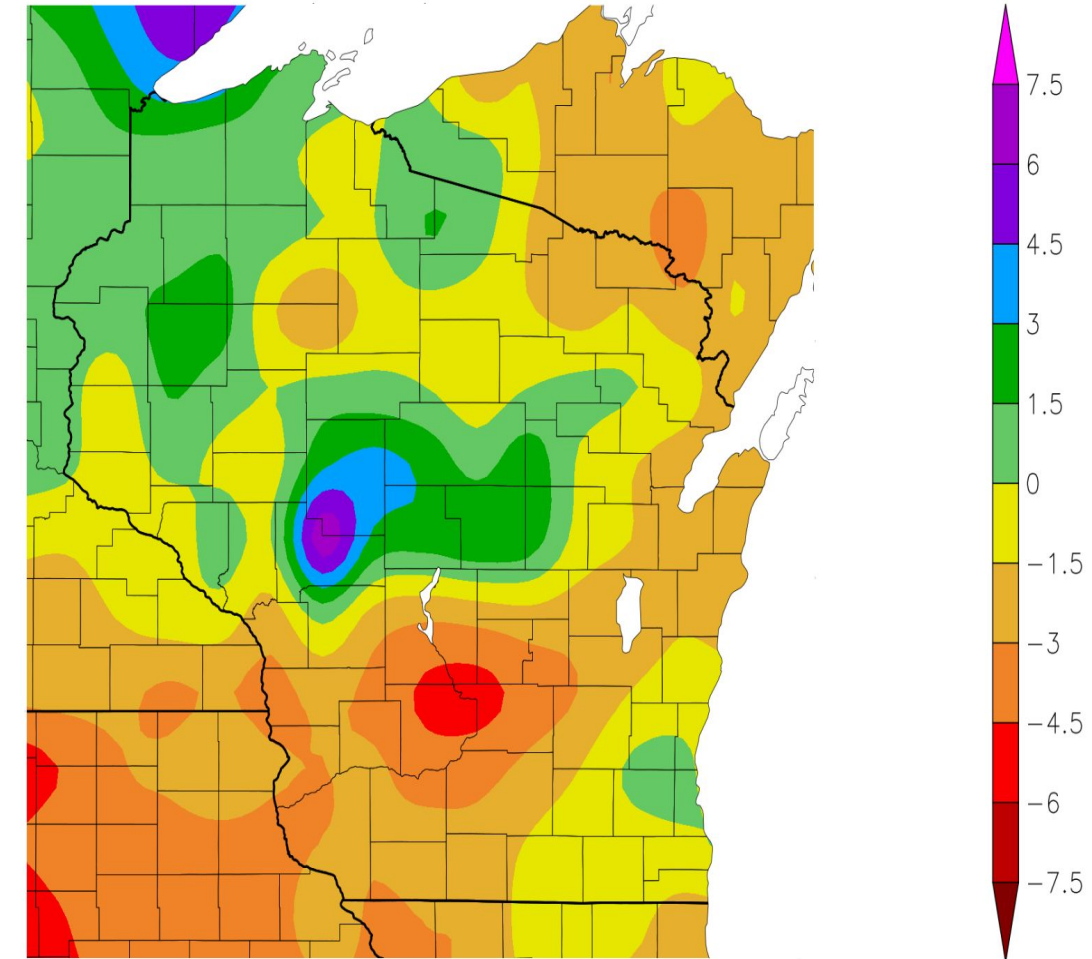
November 16, 2023  
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- Precipitation deficits over the past month has run 1-2 inches over much of south central and southwest WI.
- Precipitation deficits over the past 3 months has run 2.5-5 inches over much of south central and southwest WI.
- The below normal rainfall is maintaining the drought over portions of southwest and south central WI.

Departure from Normal Precipitation (in)  
10/16/2023 - 11/14/2023



Departure from Normal Precipitation (in)  
8/17/2023 - 11/14/2023



Generated 11/15/2023 at HPRCC using provisional data.

NOAA Regional Climate Centers 2023 at HPRCC using provisional data.

NOAA Regional Climate Centers 2023 at HPRCC using provisional data.







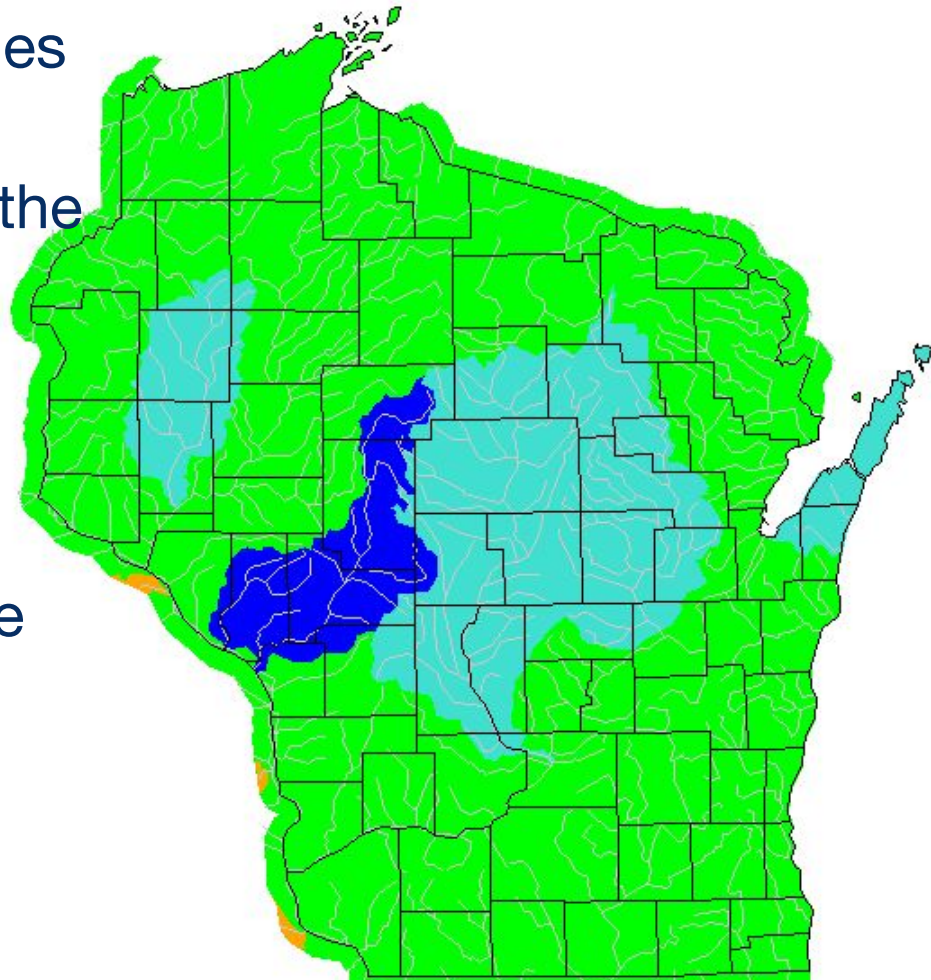
# Current Conditions

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- Portions of southwest WI continues to experience dry soils, which includes subsoil moisture, as reported by CPC and the USDA Crop Progress & Conditions report.
- Much of the rivers streamflows is near normal (25-75%) in the drought areas.

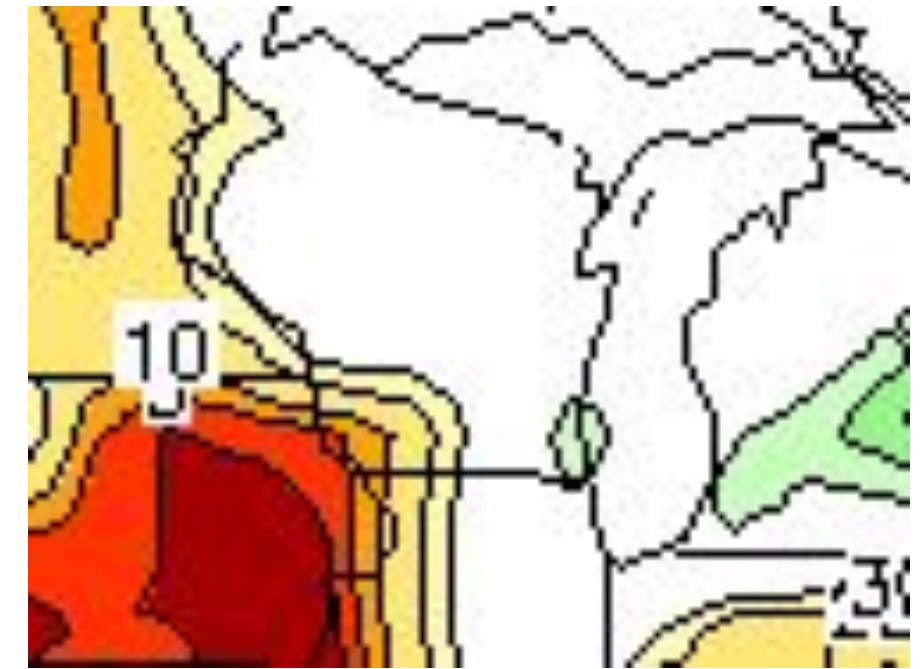
## 28 Day Streamflow

Tuesday, November 14, 2023



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

## CPC Calculated Soil Moisture Ranking Percentile Nov. 14, 2023



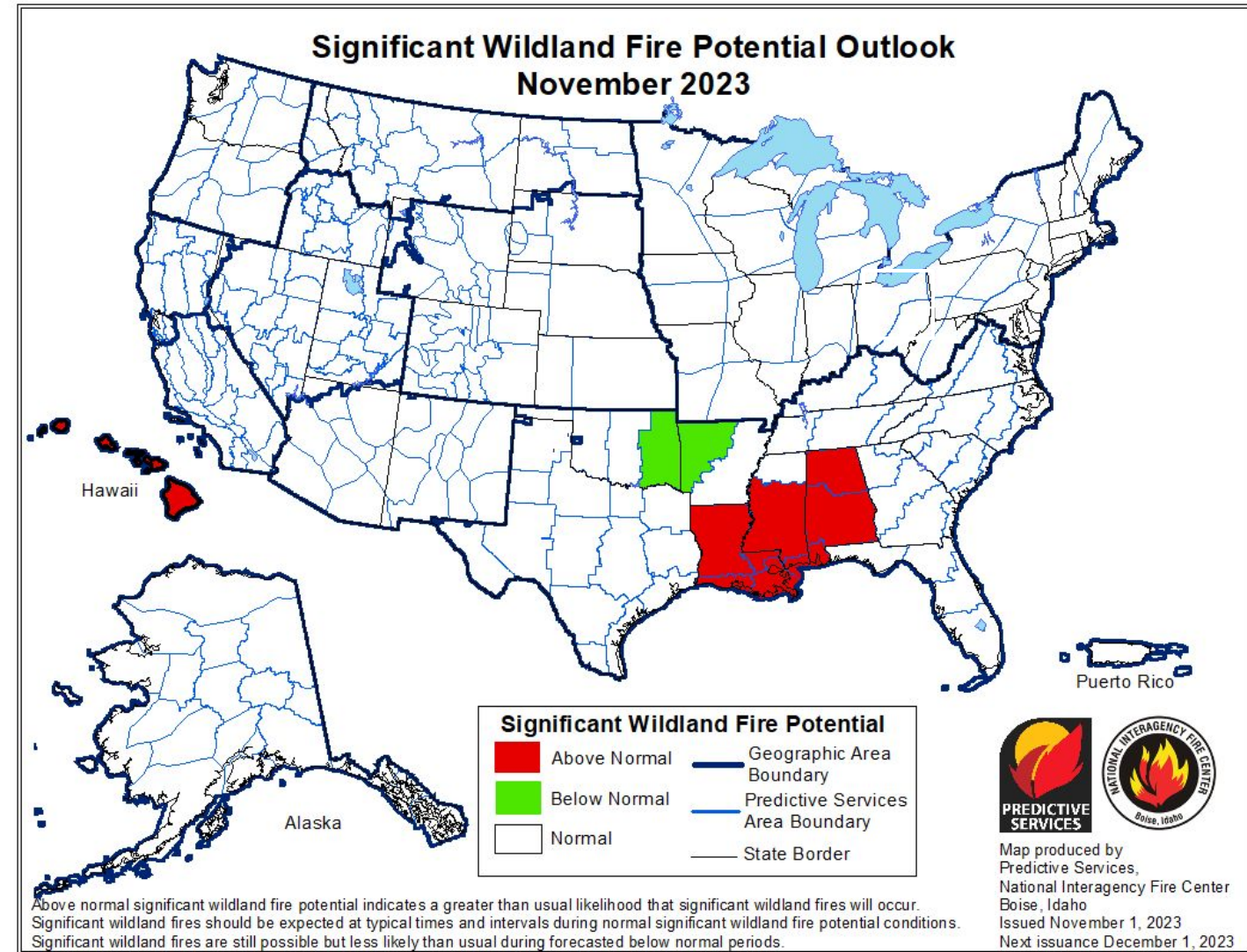


# Fire Hazard Impacts

November 16, 2023  
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Link to [Wildfire Potential Outlooks from the National Interagency Coordination Center](#)

- Significant Wildland Fire Potential Outlook from the National Interagency Coordination Center indicates normal wildland fire potential for the remainder of November.
- WI DNR Fire Danger is rated high for S WI.
- The growing season has ended due to widespread freeze with the resultant increase in dead and dry vegetation. Wildfires will be possible if rain and snow remains below normal.



Latest WI DNR Fire Danger map available [here](#) and DNR Burn Restrictions available [here](#).

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







# Summary of Impacts

November 16, 2023  
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Links: See/submit [Condition Monitoring Observer Reports \(CMOR\)](#) and view the [Drought Impacts Reporter](#)

## Hydrologic Impacts

- Streamflows are in the normal range, 25-75th percentile.

## Agricultural Impacts

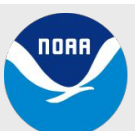
- The growing season has ended. Yields were reduced.

## Fire Hazard Impacts

- The WI DNR Fire Danger is rated high for southern WI.
- Wildfires will be possible if below normal precipitation continues.

## Mitigation Actions

- No known actions.

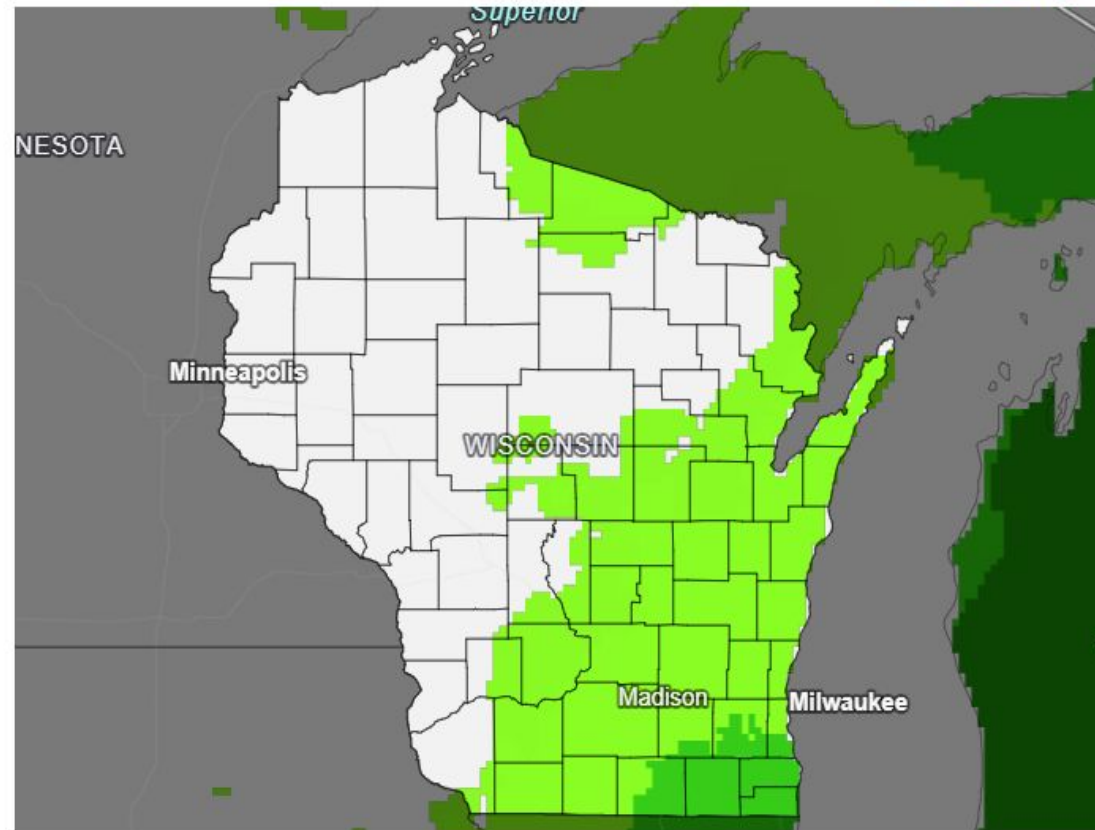




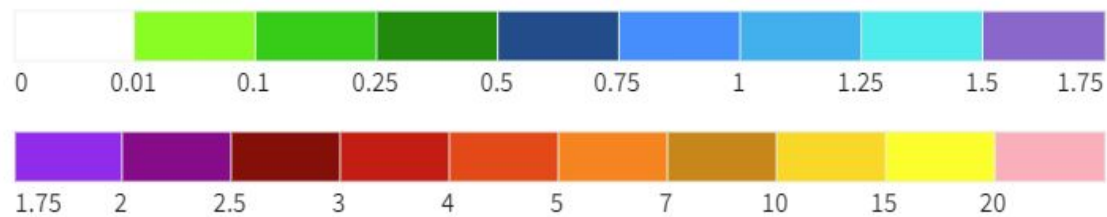
# 7 Day Precipitation Forecast

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7-Day Quantitative Precipitation Forecast



Predicted Inches of Precipitation



Source(s): National Weather Service Weather Prediction Center  
Data Valid: 11/15/23

[Drought.gov](https://www.drought.gov)

- Just minor precipitation is forecast for the next week.
- Well above normal temperatures will drop back to near normal beginning Friday and continuing into early next week.
- Therefore, little to no relief is expected over the drought areas.







# Week 2 Outlook

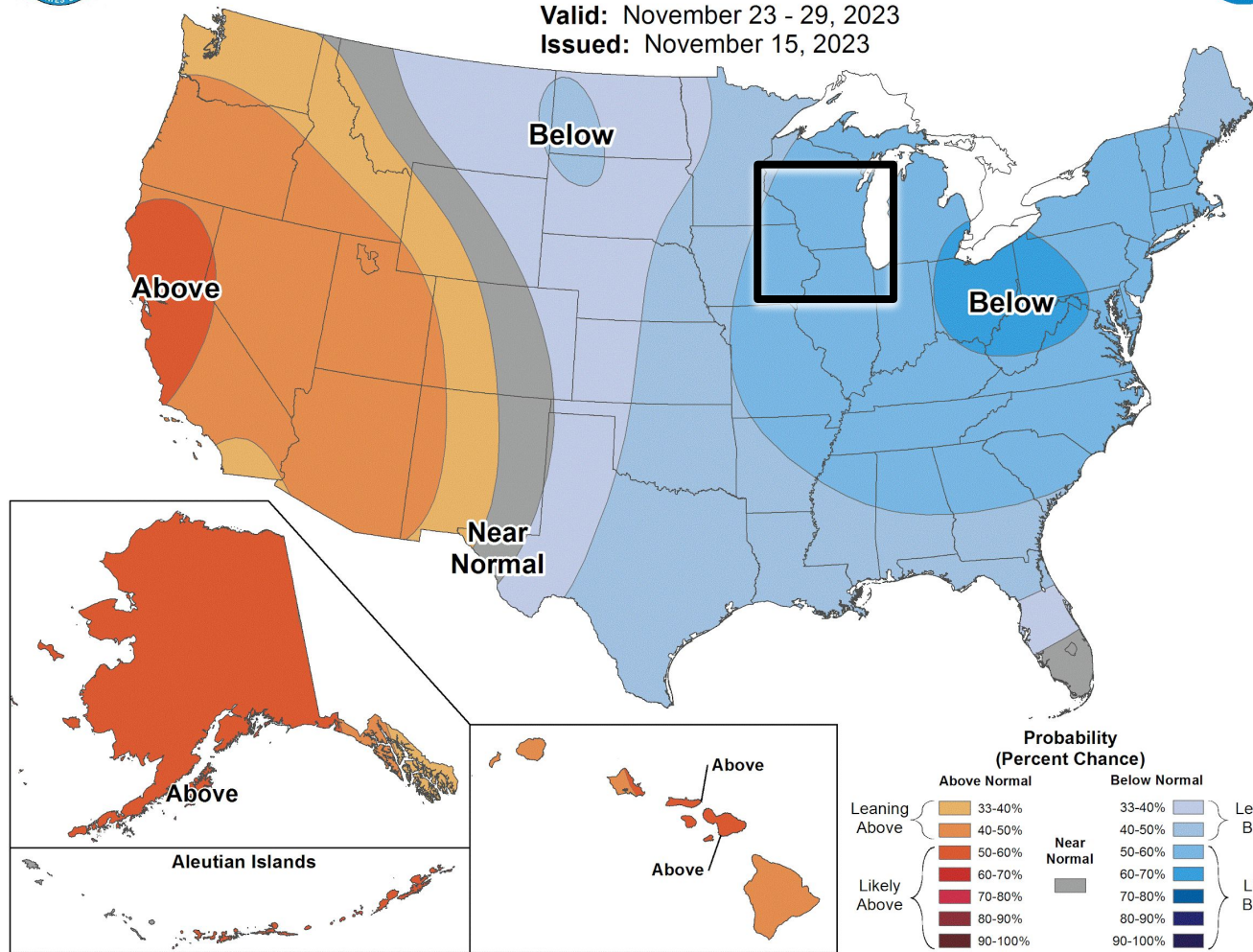
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## 8-14 Day Temperature Outlook



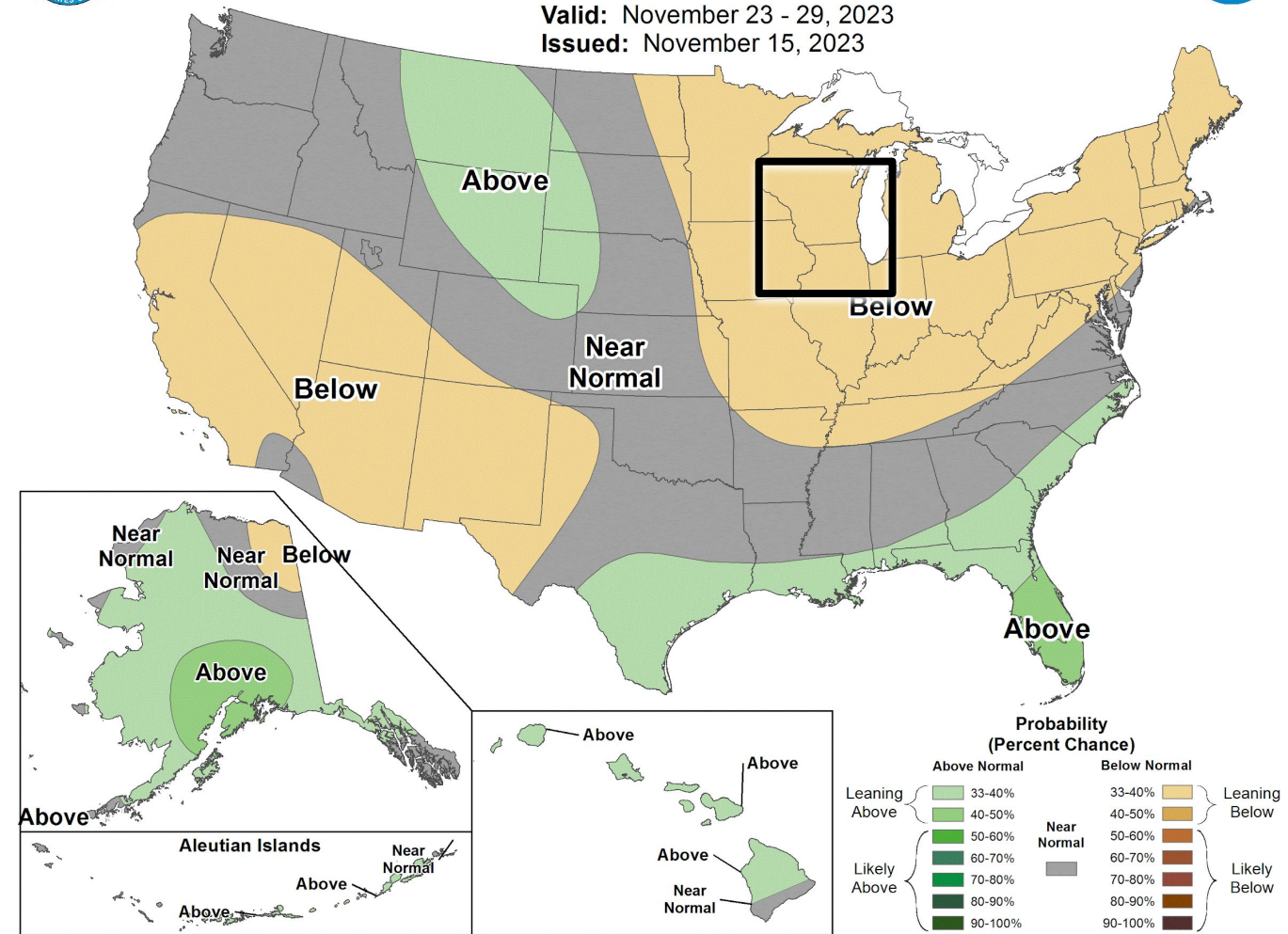
Valid: November 23 - 29, 2023  
Issued: November 15, 2023



## 8-14 Day Precipitation Outlook



Valid: November 23 - 29, 2023  
Issued: November 15, 2023



- There are increased chances for below normal temperatures and below normal precipitation for Nov. 23-29.







# Extended Week 3-4 Outlook

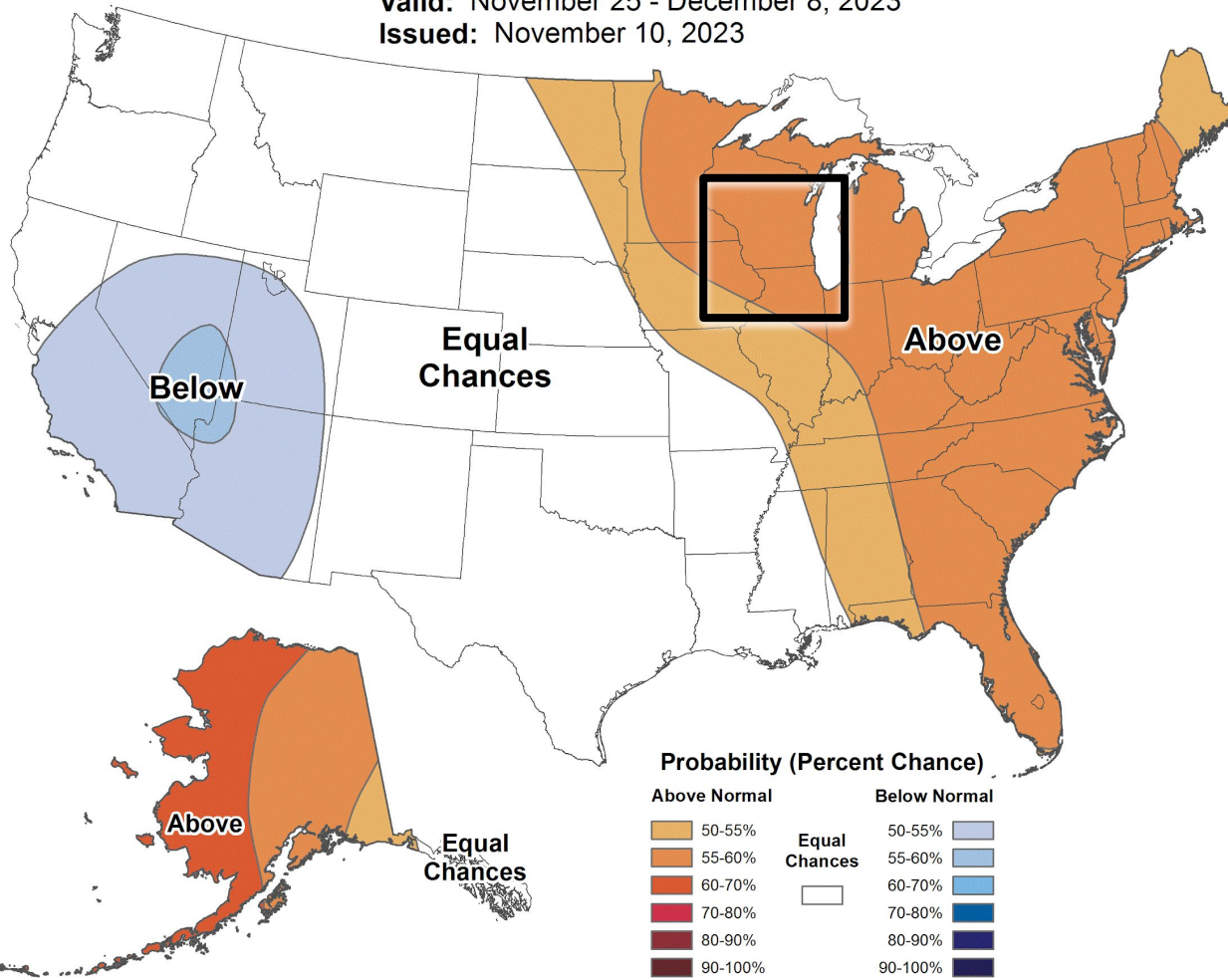
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## Weeks 3-4 Temperature Outlook



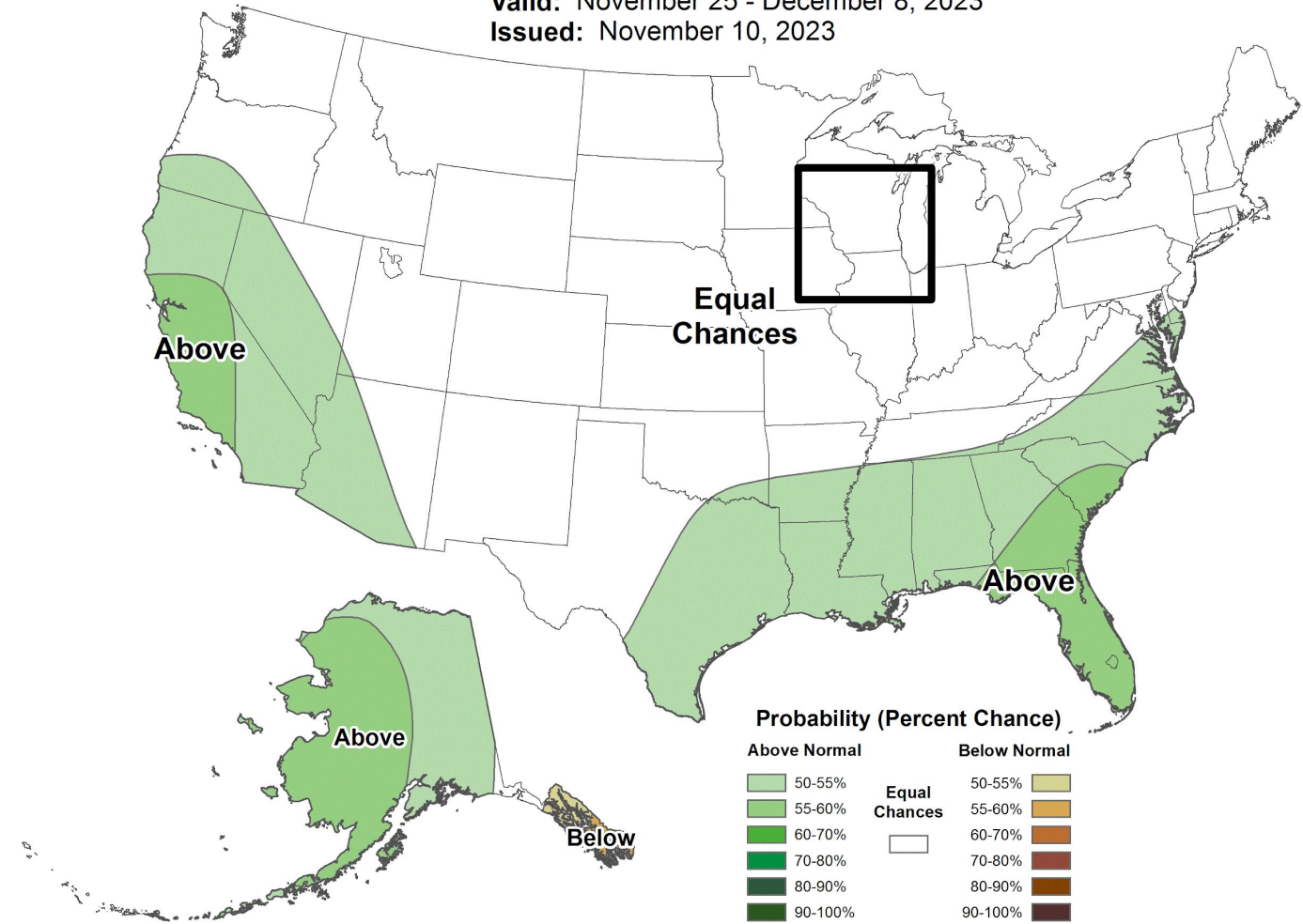
Valid: November 25 - December 8, 2023  
Issued: November 10, 2023



## Weeks 3-4 Precipitation Outlook



Valid: November 25 - December 8, 2023  
Issued: November 10, 2023



- There is tendency toward above normal temperatures for the end of Nov. and early Dec., while the forecast is for equal chances of above or below normal precipitation.







# November - January Outlook

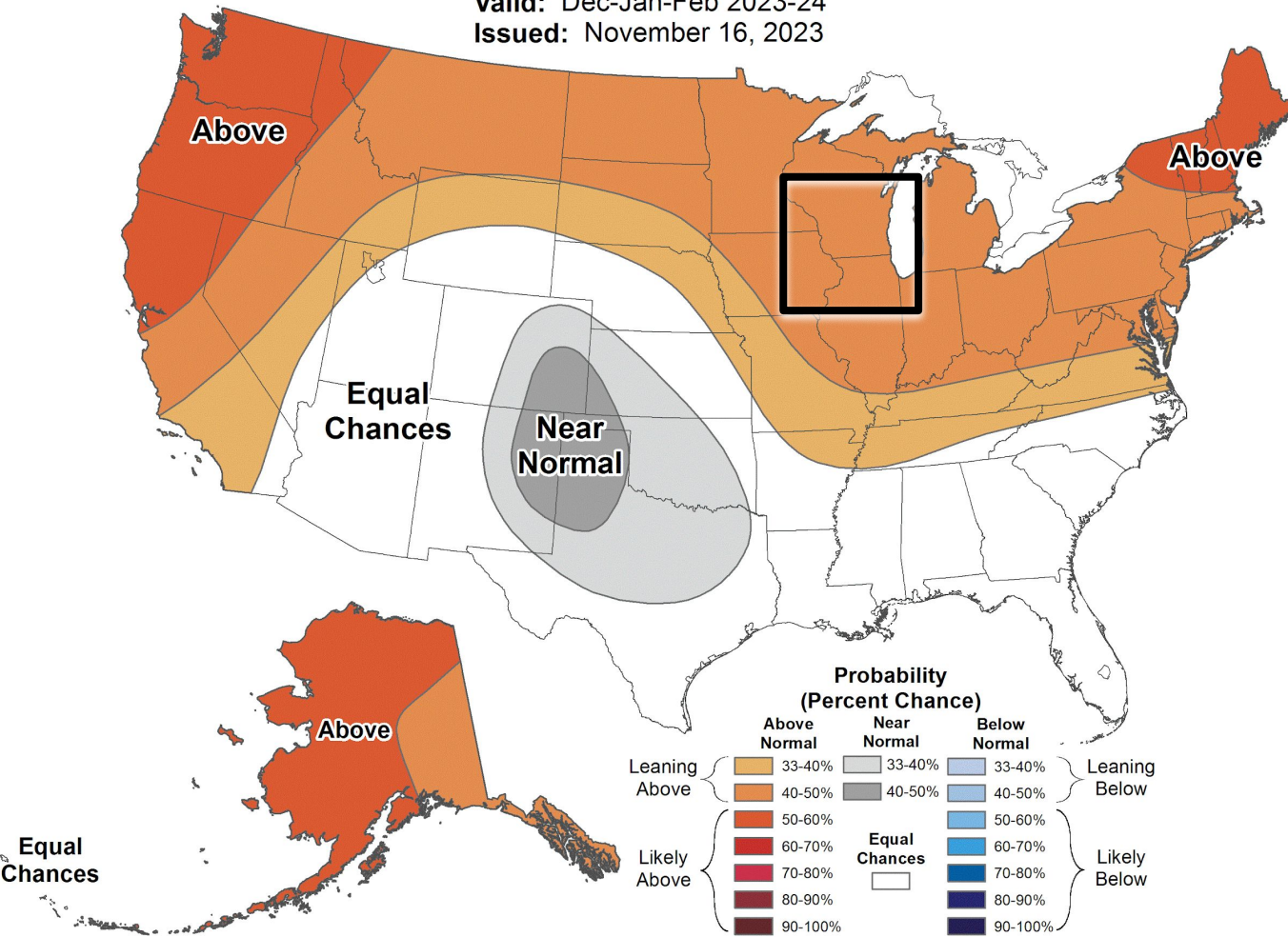
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## Seasonal Temperature Outlook



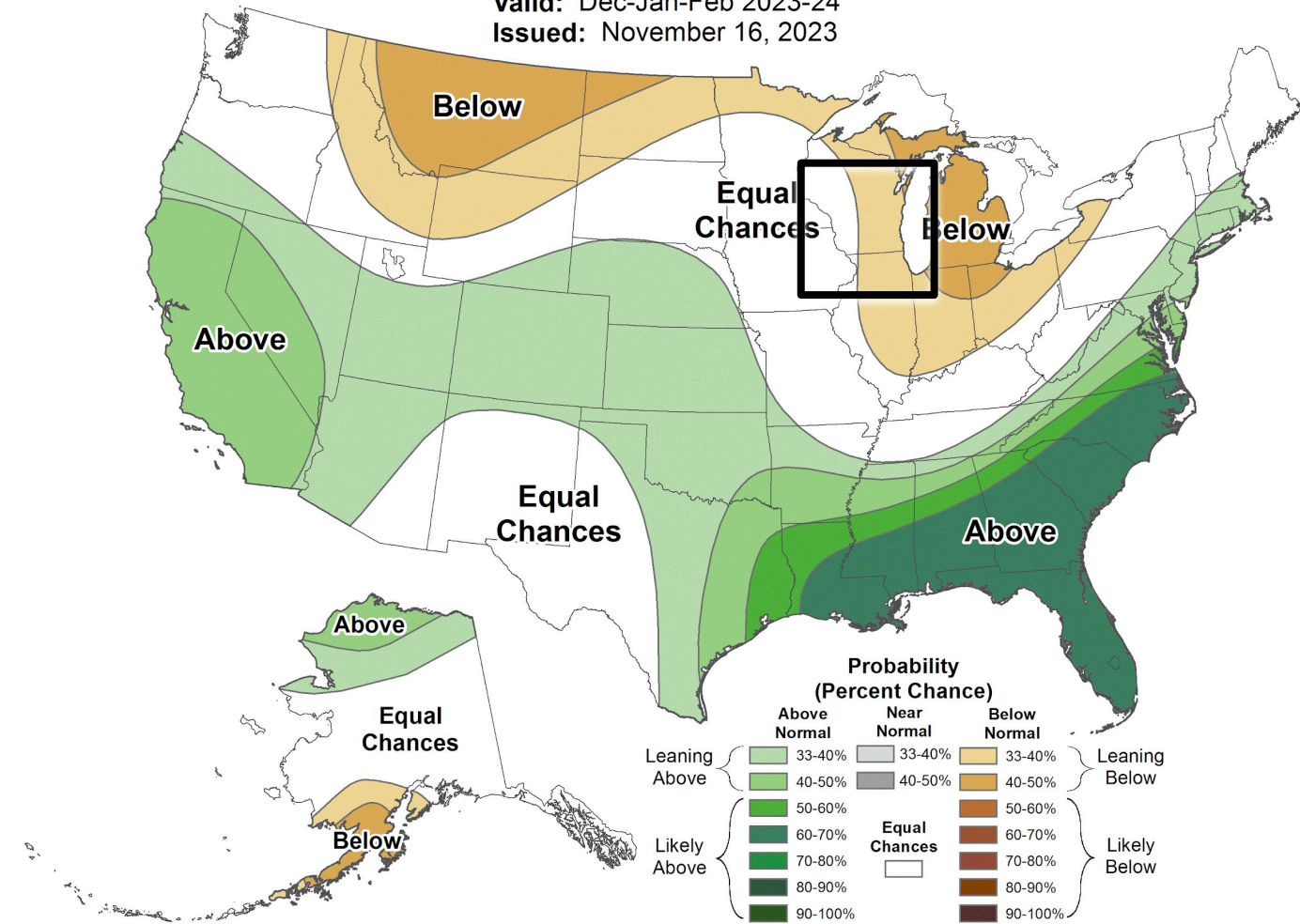
Valid: Dec-Jan-Feb 2023-24  
Issued: November 16, 2023



## Seasonal Precipitation Outlook



Valid: Dec-Jan-Feb 2023-24  
Issued: November 16, 2023



- There is a tendency toward above normal temperatures for winter due to El Nino, with equal chances for above or below normal precipitation.







# Drought Outlook

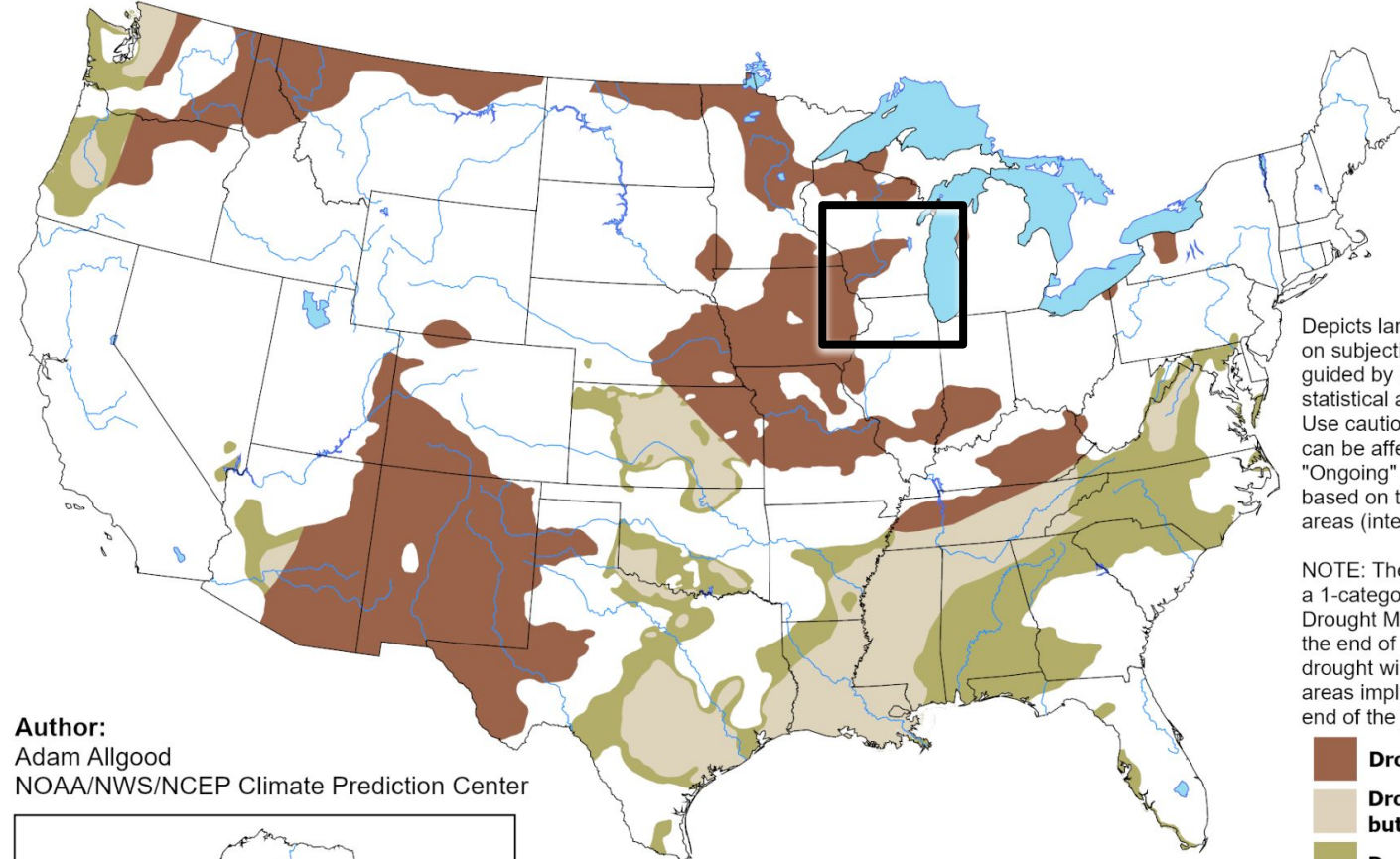
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The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

- The drought is expected to persist the remainder of November and into December.
- The seasonal drought outlook, which is through the end of January 2024, expects the drought to remain, but improve.

## U.S. Seasonal Drought Outlook Valid for November 16, 2023 - February 29, 2024

### Drought Tendency During the Valid Period Released November 16, 2023

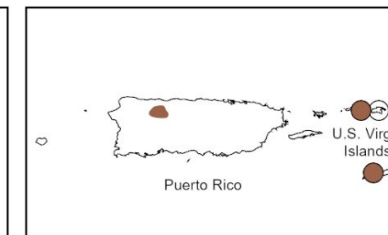
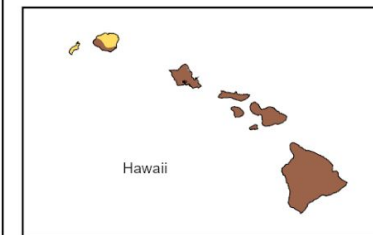
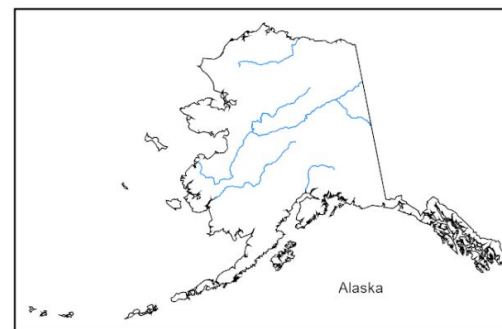


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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

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

Links to the latest:

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