



Drought Information Statement for Central and Northeast Wisconsin

Valid February 12, 2024

Issued By: WFO Green Bay, WI

Contact Information: nws.greenbay@noaa.gov

- This product will be updated March 5, 2024 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.





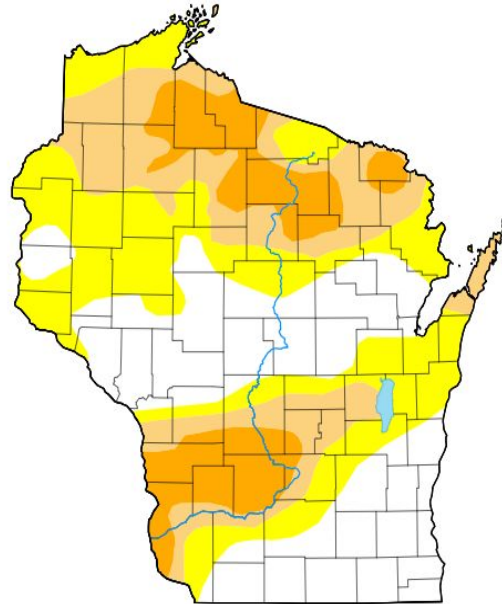
U.S. Drought Monitor

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

Drought Intensity and Extent

- **D2 (Severe Drought):**
 - Continues across the eastern two-thirds of Florence, far northeastern and far western Forest, the northern third of Langlade, northeast quarter of Lincoln, far northern Marinette, all but far northeast Oneida and far northwest Vilas counties.

- **D1 (Moderate Drought) & D0 (Abnormally Dry)**
 - Continues across the north outside the Severe Drought area. It also continues from Waushara County through the Fox Valley east to the lakeshore counties from Manitowoc to Door counties.



Map released: Thurs. February 8, 2024

Data valid: February 6, 2024 at 7 a.m. EST

Intensity

- None
- D0 (Abnormally Dry)
- D1 (Moderate Drought)
- D2 (Severe Drought)
- D3 (Extreme Drought)
- D4 (Exceptional Drought)
- No Data

Authors

United States and Puerto Rico Author(s):

[Deborah Bathke](#), National Drought Mitigation Center

Pacific Islands and Virgin Islands Author(s):

[Richard Tinker](#), NOAA/NWS/NCEP/CPC

Image Caption: U.S. Drought Monitor valid 7 am EST February 8, 2024.





Recent Change in Drought Intensity

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

- **Four Week Drought Monitor Class Change**
 - Little change in drought conditions across much of the area during the past month.
 - There was some slight improvement in Waushara County.

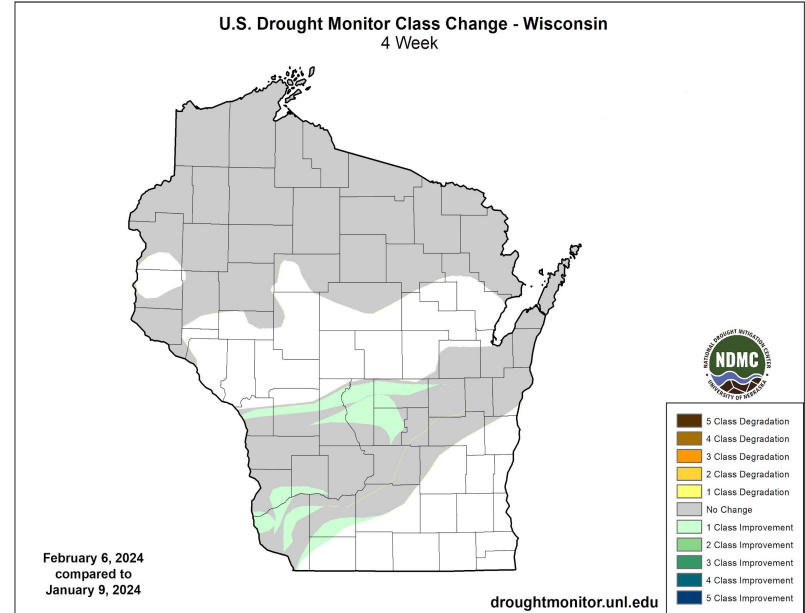


Image Caption: U.S. Drought Monitor 4-week change map valid 7 am EST February 6, 2024.





Precipitation

- Precipitation totals over the past month are running well below normal across much of the area. The driest areas are across central into north-central and far northeast Wisconsin where precipitation totals are running less than 50% of normal. .

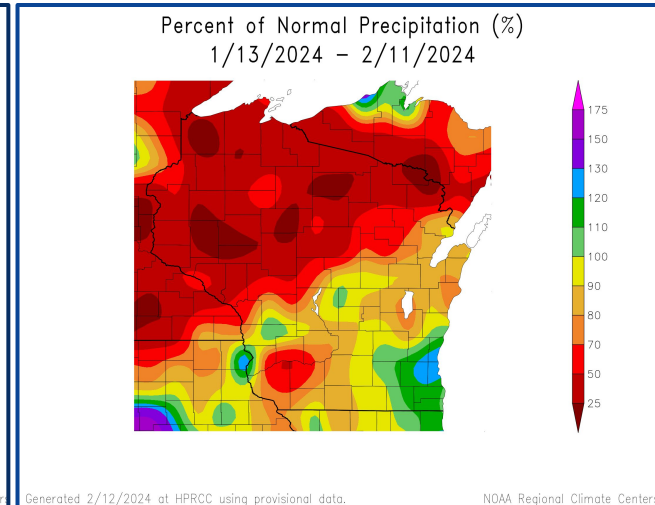
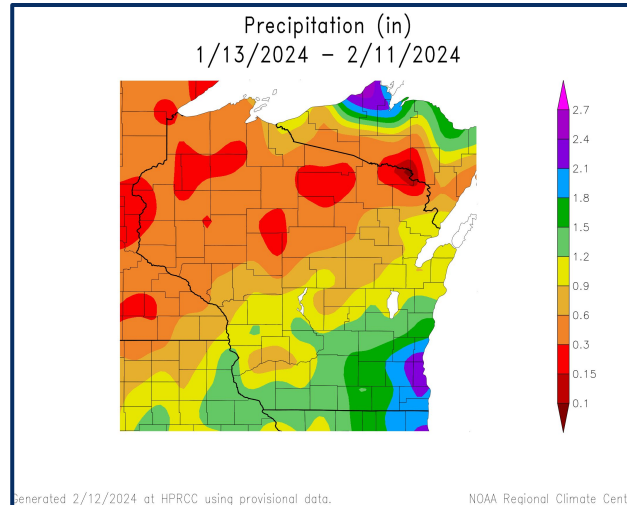


Image Captions:
Left - Precipitation Amount for Wisconsin
Right - Percent of Normal Precipitation for Wisconsin
Data Courtesy High Plains Regional Climate Center.
Data over the past 30 days ending February 11, 2024





Temperature

- The effects of El Nino are being felt across the region. December went down in the record books as one of the warmest on record.
- There has only been one stretch of cold air this winter from January 14 through January 21, otherwise the daily average temperature has been running above normal on most day.

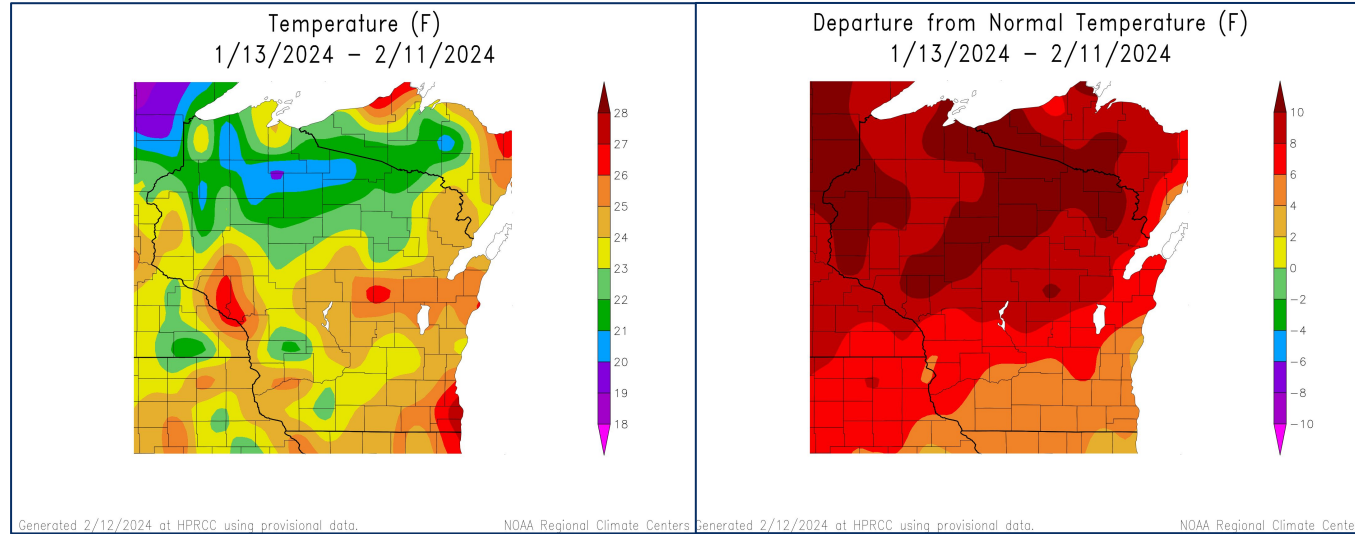


Image Captions:
Left - Average Temperature for Wisconsin
Right - Departure from Normal Temperature for Wisconsin
Data Courtesy High Plains Regional Climate Center.
Data over the past 30 days ending February 11, 2024





Summary of Impacts

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

Hydrologic Impacts

- Amazingly, there is little snow cover across much of the area as of February 11. With the lack of snow melt and below normal precipitation, at this time of the risk for flooding along rivers this spring is low unless we get some much needed rain and snow. Lake Michigan is down around 6 inches from last year.

Agricultural Impacts

- No agricultural impacts so far this year.

Fire Hazard Impacts

- The fire danger is in the low category, however the lack of snow cover and precipitation could lead to an early fire season if we don't get some precipitation soon.

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

- Rivers are running well below normal across north central Wisconsin. River levels elsewhere are running closer to normal due to recent mild temperatures that melted the snow from a heavy winter storm that occurred on January 12-13.

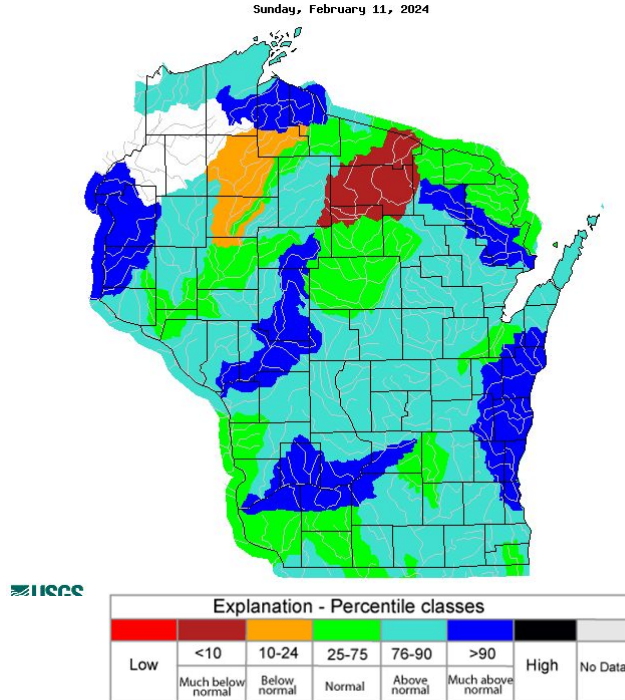


Image Caption: USGS 7 day average streamflow HUC map valid February 11, 2024

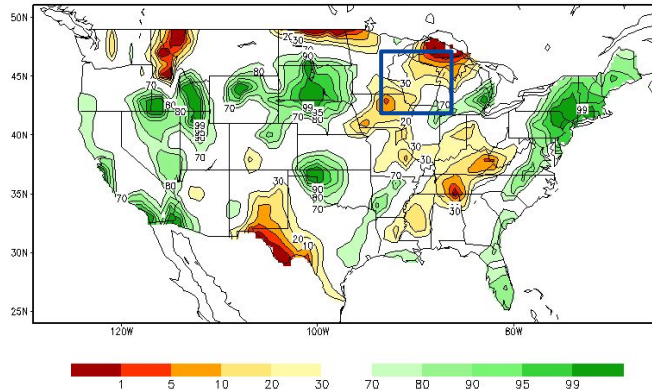




Agricultural Impacts

- The calculated soil moisture ranking percentile continues to show drier than normal conditions across much of the area, with the worst conditions along the Upper Michigan border.

Calculated Soil Moisture Ranking Percentile
FEB 10, 2024



Crop Moisture Index by Division
Weekly Value for Period Ending FEB 3, 2024
Short Term Need vs. Available Water in a Shallow Soil Profile

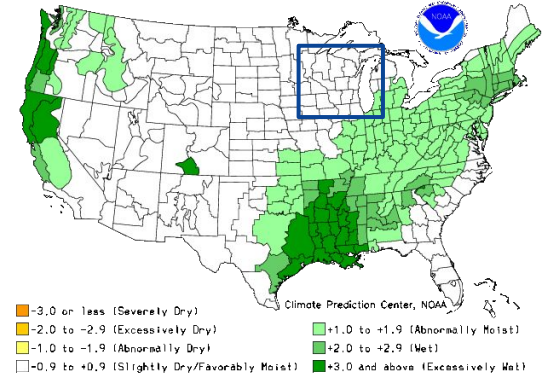


Image Captions:

Left: CPC Calculated [Soil Moisture Ranking Percentile](#) valid February 10, 2024

Right: [Crop Moisture Index by Division](#). Weekly value for period ending February 3, 2024





Fire Hazard Impacts

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

- The potential for wildfires is expected to remain low.

[Wisconsin Fire Danger Map](#)

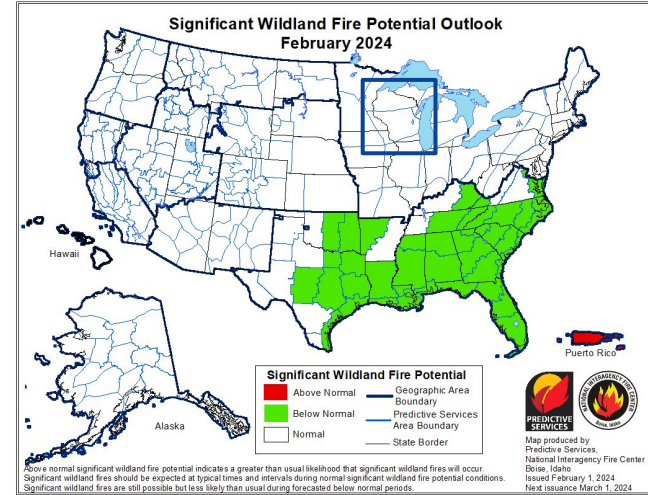


Image Caption: [Significant Wildland Fire Potential Monthly Outlook](#) for February 2024





Seven Day Precipitation Forecast

- Typical El Nino conditions persist this week with the heavier precipitation totals along the Gulf Coast to the Carolinas and Florida.
- Precipitation totals across north-central and northeast Wisconsin remain on the light side over the next week.

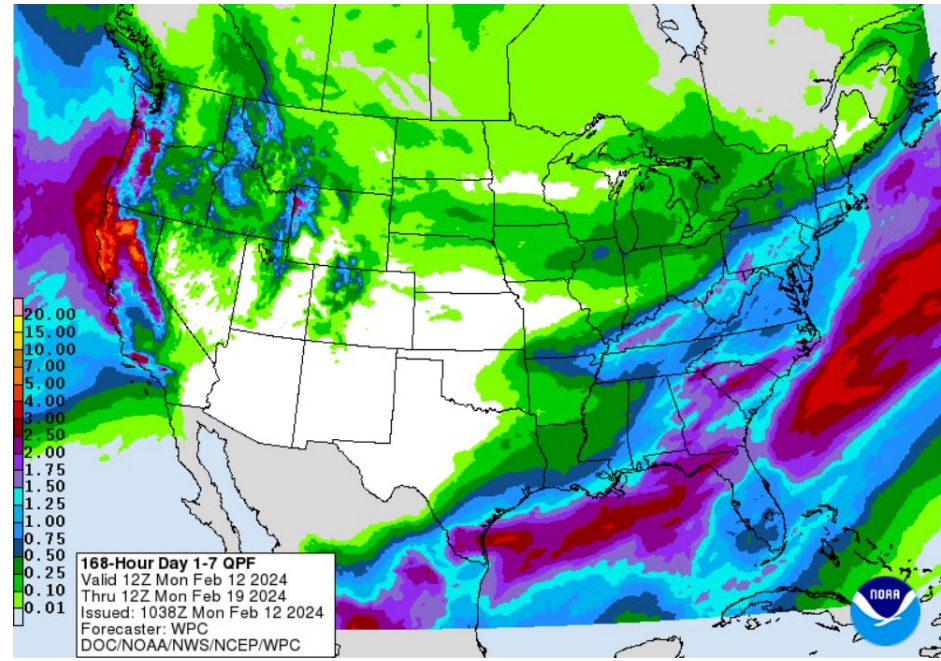


Image Caption: Weather Prediction Center [7-day precipitation forecast](#) valid Monday Feb 12 through Monday Feb 12



Long-Range Outlooks

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

- The climate models are indicating a greater chance for above normal temperatures to continue in February into the spring.

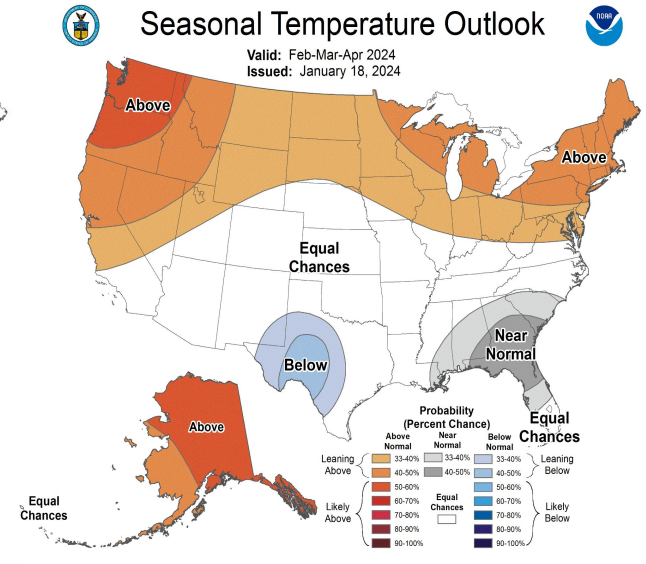
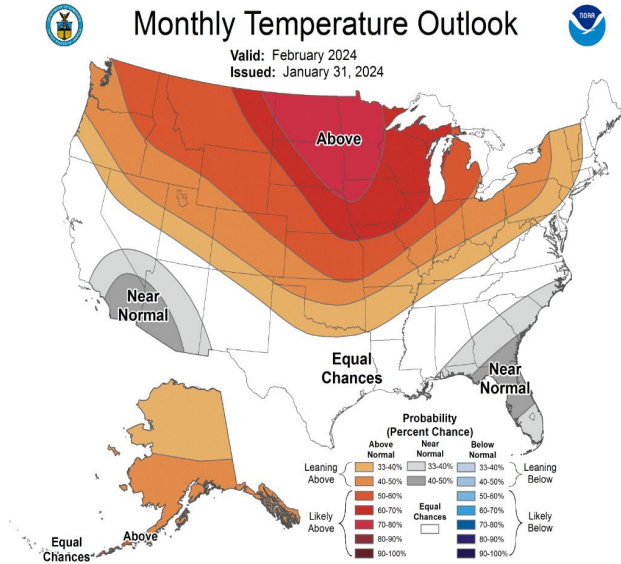


Image Captions:

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

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

Valid MM YYYY





Long-Range Outlooks

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- The climate models are indicating a greater chance for below normal precipitation in February and then into the spring.

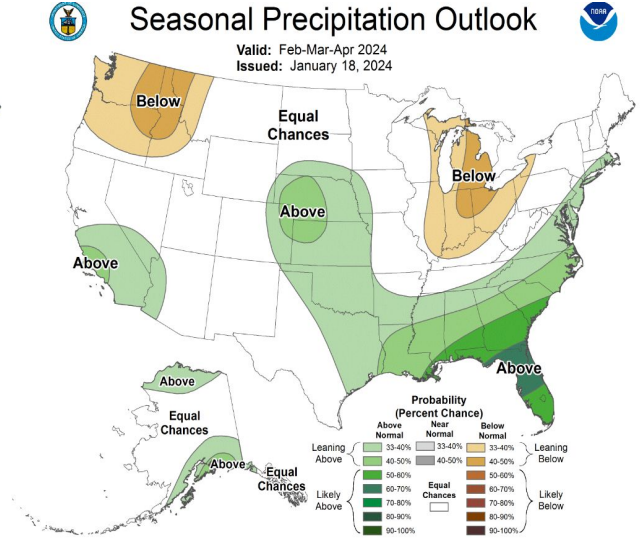
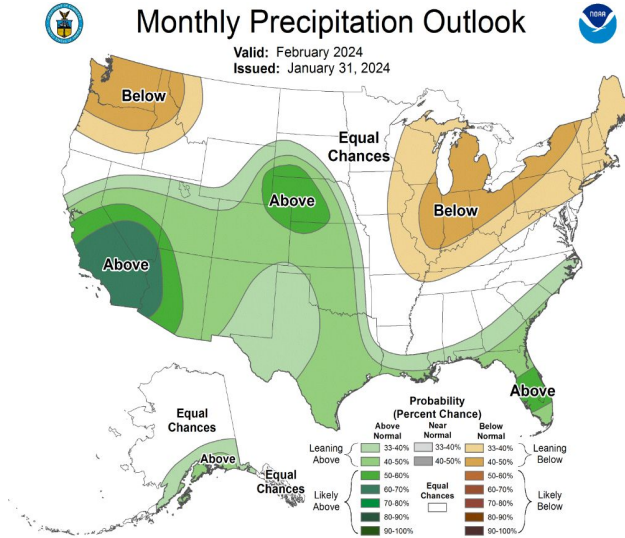


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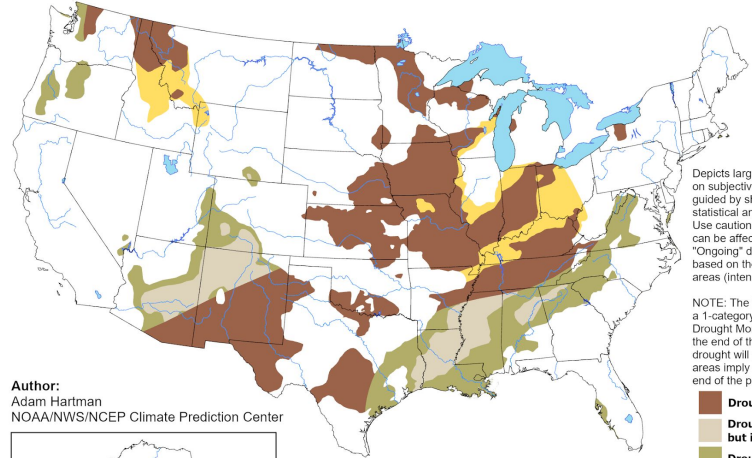
Drought Outlook

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

- Drought is expected to persist across northern Wisconsin and could also expand across portions of east-central Wisconsin this spring.

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

Valid for December 21, 2023 - March 31, 2024
Released December 21, 2023

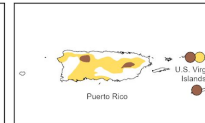
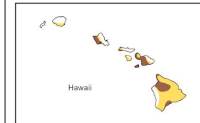


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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



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

Image Caption:

Climate Prediction Center Seasonal Drought Outlook Released on December 21, 2023 valid for December 21, 2023 to March 31, 2024

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
Green Bay, WI