



Drought Information Statement for Northeast Illinois and Northwest Indiana

Valid September, 7, 2023

Issued By: WFO Chicago, IL

Contact Information: nws.chicago@noaa.gov

- This product will be updated October, 7, 2023 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/lot/DroughtInformationStatement> for previous statements.



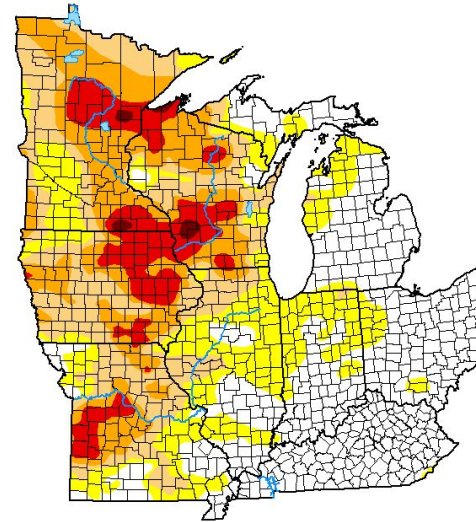


U.S. Drought Monitor

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

- Severe to Extreme Drought Conditions ongoing across portions of northern and northwestern Illinois
- Drought intensity and Extent
 - D3 (Extreme Drought): Portions of far Northern Winnebago County.
 - D2 (Severe Drought): Portions of Winnebago, Boone, and far northwestern McHenry Counties.
 - D1 (Moderate Drought): Portions of Northwestern Illinois including Ogle, Lee, DeKalb, northern Kane, and McHenry Counties.
 - D0: (Abnormally Dry): Much of northeastern Illinois and northwest Indiana including the Chicago metropolitan area.

U.S. Drought Monitor Midwest



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
Current	34.62	65.38	44.43	25.90	9.45	0.51
Last Week 08-29-2023	39.91	60.09	41.11	20.85	6.29	0.07
3 Months Ago 06-06-2023	15.29	84.71	32.06	4.81	1.16	0.00
Start of Calendar Year 01-01-2023	43.26	56.74	28.01	7.67	1.00	0.06
Start of Water Year 09-27-2022	53.19	46.81	19.89	5.78	1.25	0.27
One Year Ago 09-06-2022	71.59	28.41	10.10	3.23	0.37	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

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CPC/NOAA/NWS/NCEP



droughtmonitor.unl.edu

Image Caption: U.S. Drought Monitor for the Midwest





Recent Change in Drought Intensity

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

- Four Week Drought Monitor Class Change.
 - Drought Worsened: Across portions of northwestern Illinois including Winnebago, Ogle, Lee, DeKalb, and Boone counties. Additional degradation was also seen in portions of southeastern Iroquois and eastern Porter counties.
 - No Change: Much of northeastern Illinois and Northwest Indiana has remained unchanged including most of the Chicago metropolitan area.
 - Drought Improved: Some improvement was seen in portions of Lake County, IL and Livingston county due to recent heavier rainfalls.

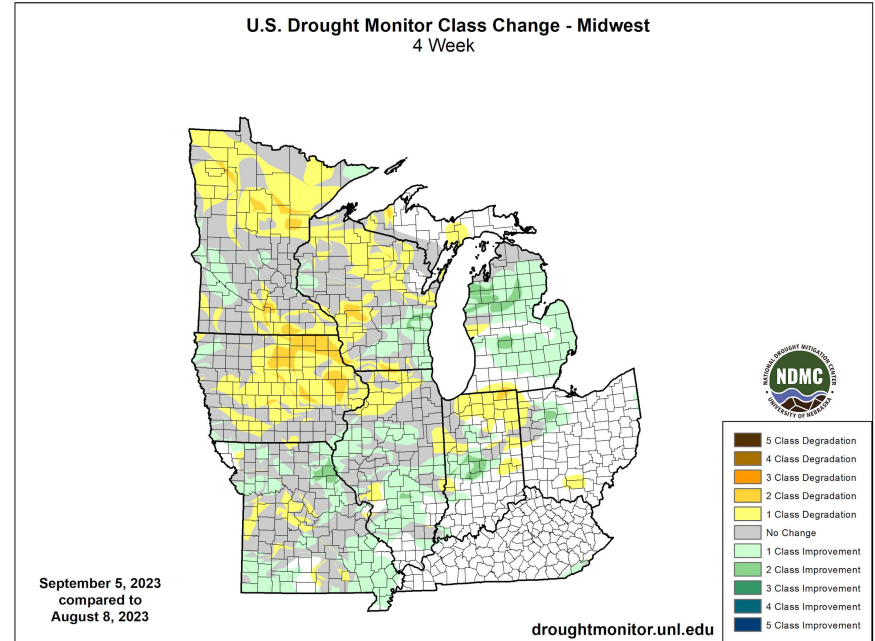


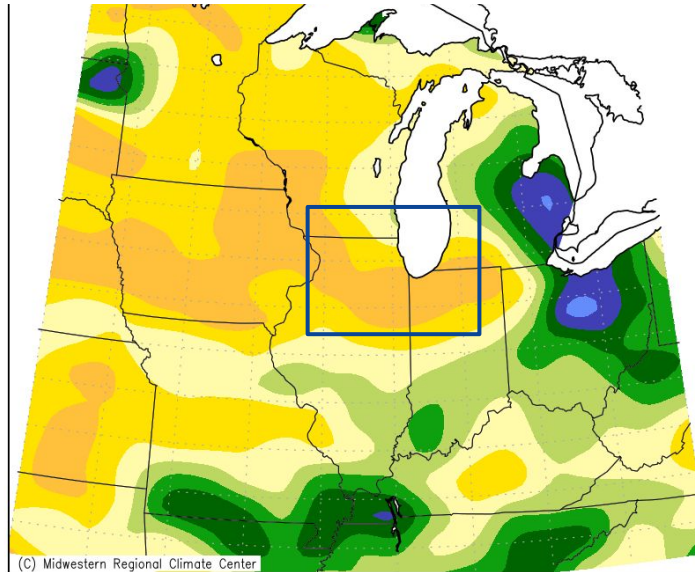
Image Caption: U.S. Drought Monitor 4-week change map for the Midwest





Precipitation

- Over the last 30 days, precipitation (liquid equivalent) was approximately 1-2 inches across northeastern Illinois and northwest Indiana
- 30-day precipitation was generally 25-75% of the climatic average



Mean period is 1991-2020.

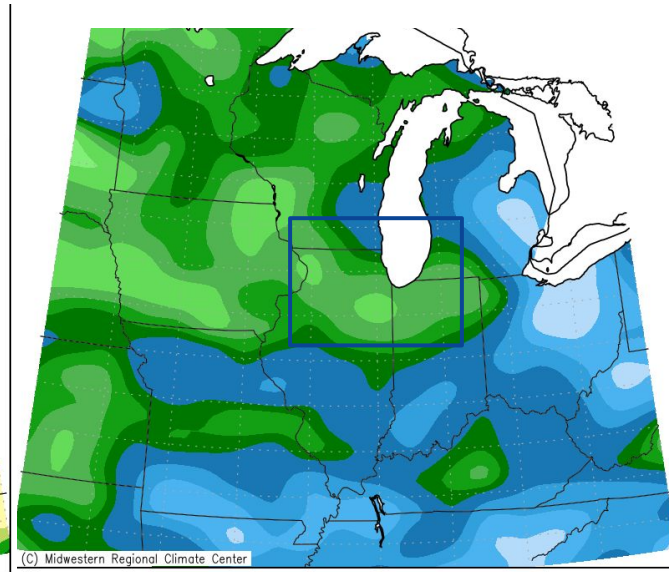


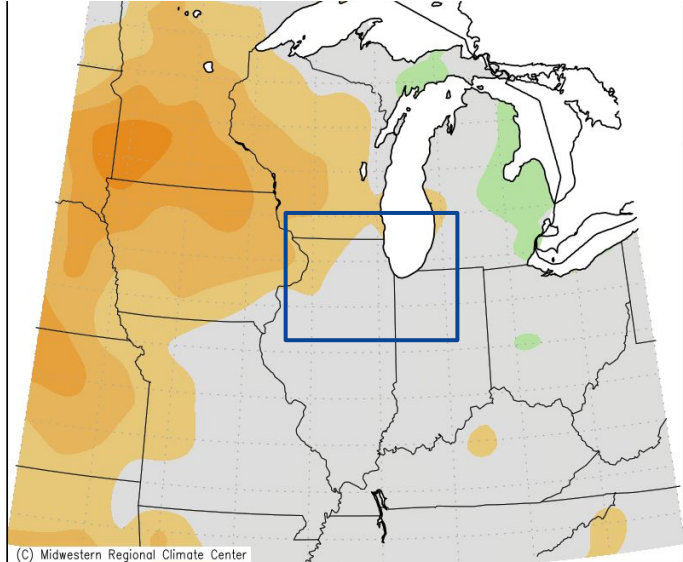
Image Captions:
 Left: 30-day Percent of Climatology Precipitation for the Midwest
 Right: 30-day Precipitation for the Midwest
 Data Courtesy Midwestern Regional Climate Center.





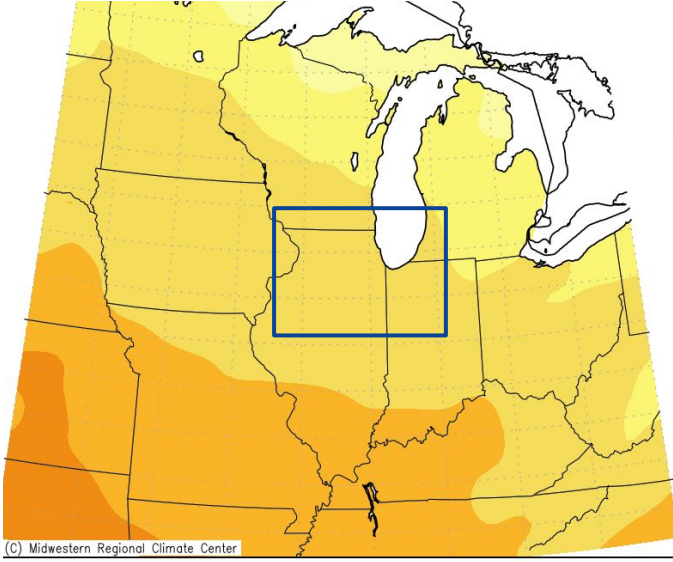
Temperature

- Over the last 30 days, temperatures averaged approximately 70-75F across northeastern Illinois and northwest Indiana
- 30-day average temperatures were generally within 1F of the climatic average



(C) Midwestern Regional Climate Center
Mean period is 1991-2020.

-4 -3 -2 -1 0 1 2 3 4 5



(C) Midwestern Regional Climate Center

60 65 70 75 80 85

Image Captions:
Left: 30-day Average Temperature Departure from Climatology
Right: 30-day Average Temperature
Data Courtesy Midwestern Regional Climate Center.



Summary of Impacts

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

Hydrologic Impacts

- Below normal streamflows observed along portions of the Illinois, Kankakee, and Fox rivers.

Agricultural Impacts

- Crops struggling due to lack of sufficient rainfall across portions of northern and central Illinois
- Reports of very dry soils that are soaking up water before it can reach plants and vegetation

Fire Hazard Impacts

- No known impacts

Other Impacts

- Leaves changing color and dropping earlier than usual across the Chicago metro and surrounding areas

Mitigation Actions

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





Hydrologic Conditions and Impacts

- Streamflows across much of northeastern Illinois and northwest Indiana remain near normal despite below average precipitation.
- Streamflow values for small sections of Illinois, Kankakee, and Fox rivers below normal.

[CoCoRaHS Conditions Monitoring reports](#)

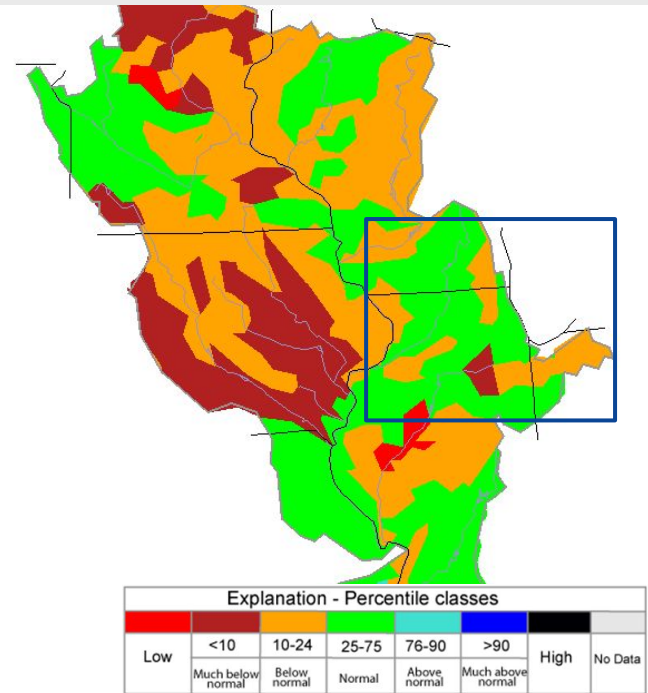


Image Caption: USGS 7-day average streamflow





Agricultural Impacts

- The below normal precipitation has lead to abnormally dry soil conditions across much of northern Illinois
- This has lead to stunted crop development in this area due to soils soaking up any water before it can reach the plants and vegetation.

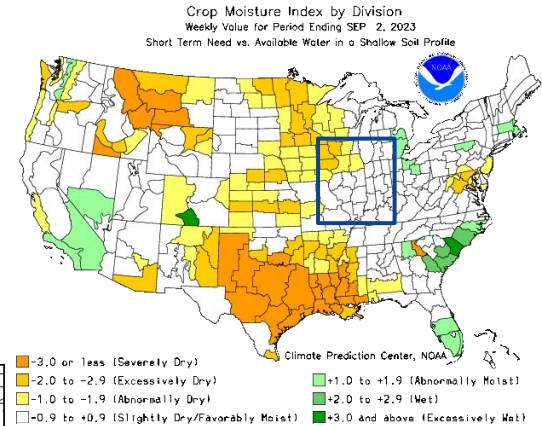
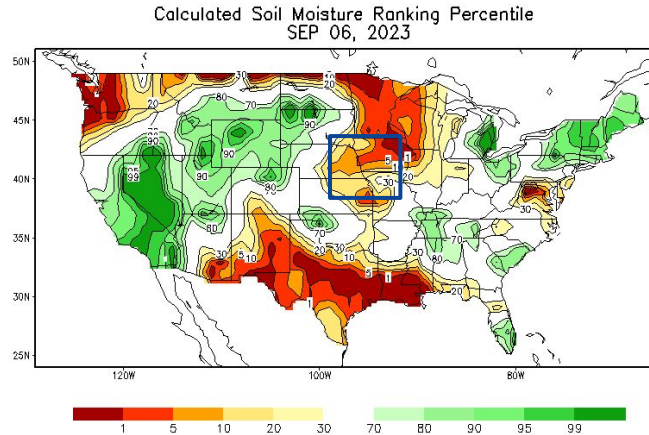


Image Captions:
Left: CPC Calculated [Soil Moisture Percentile](#)
Right: [Crop Moisture Index](#)





Fire Hazard Impacts

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

- According to the National Interagency Fire Center, little or no significant wildfire potential is expected over the next few days.
- Significant wildfire potential is expected to be near average over the next several weeks.

Latest Indiana Burn Ban map available [here](#).

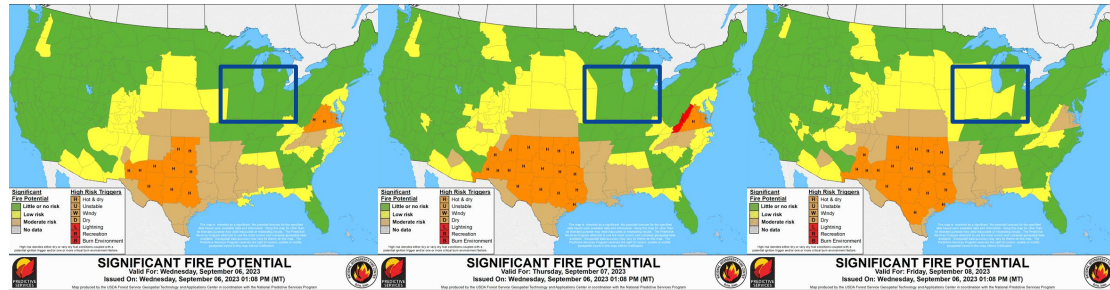
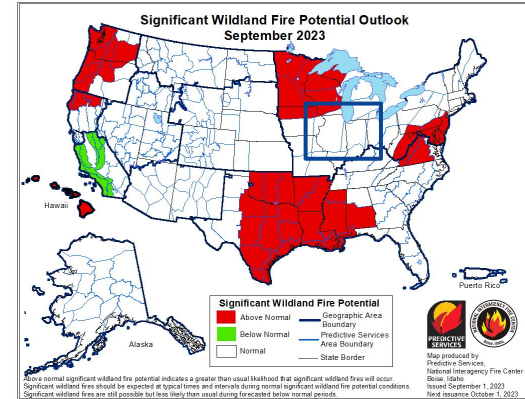


Image Captions:

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

Bottom: [Wildland Fire Potential Daily Forecasts](#)





Seven Day Precipitation Forecast

- Limited rainfall is expected over the next seven days. Today's (Sep 7) light precipitation will not be heavy enough to increase soil moisture.
- 7-day rainfall forecast indicates precipitation (liquid equivalent) amounts of about 0.1 inch or less.

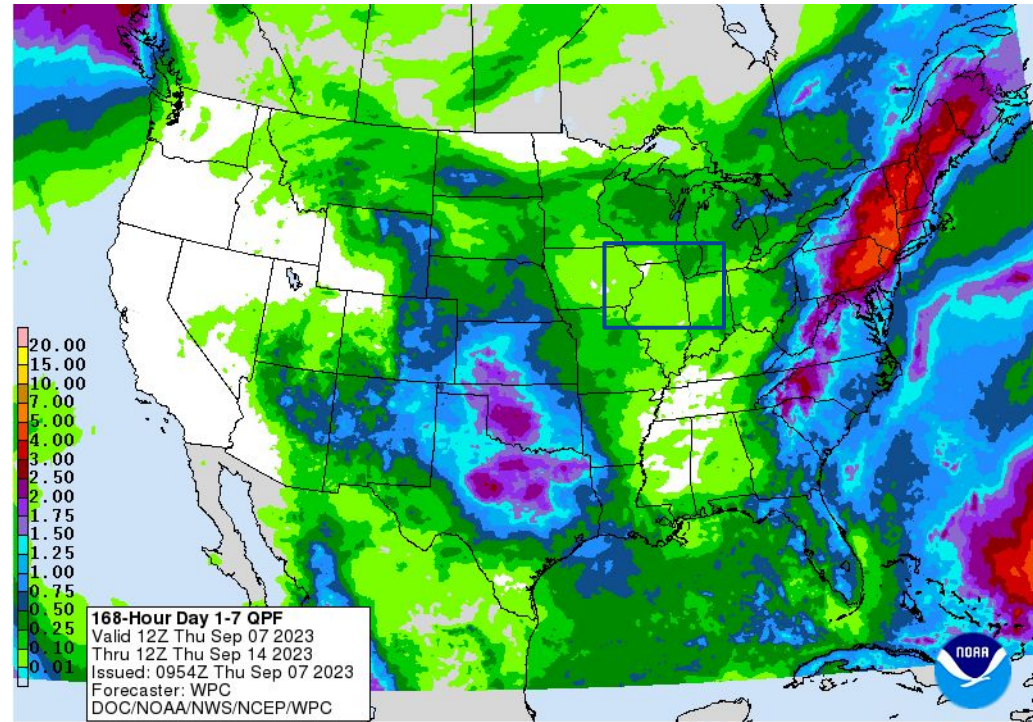


Image Caption: Weather Prediction Center [7-day precipitation forecast](#)





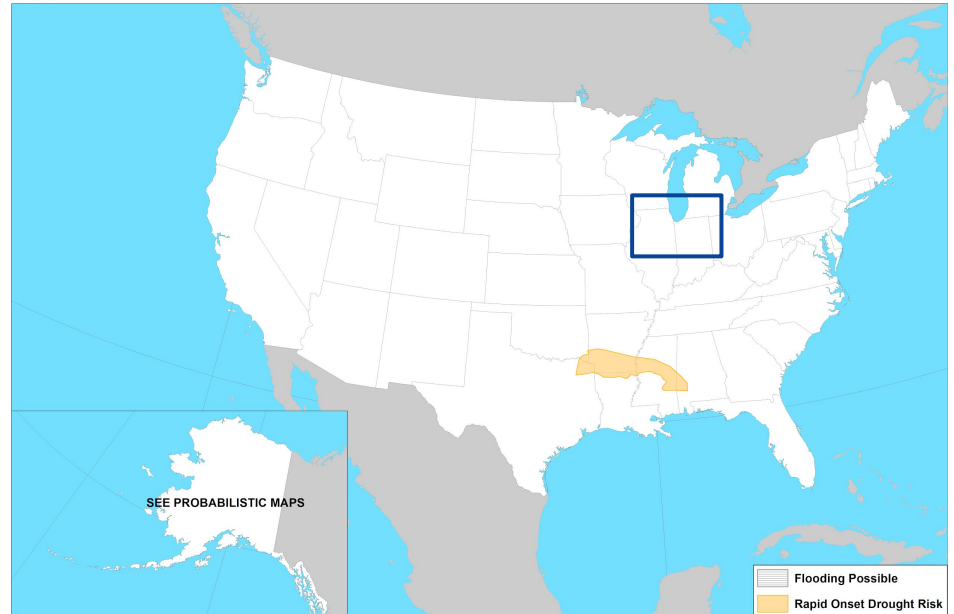
Rapid Onset Drought Outlook

Links to the latest Climate Prediction Center 8 to 14 day [Temperature Outlook](#) and [Precipitation Outlook](#).

- Risk of rapid-onset drought is considered low in the longer-range (8-14 day) period.



Day 8-14 U.S. Hazards Outlook
Valid: 09/14/2023-09/20/2023



Climate Prediction Center
Made: 09/06/2023 3PM EDT

Follow us:
www.cpc.ncep.noaa.gov

Image Caption:
[Days 8 to 14 U.S. Hazards Outlook](#) Valid September 14 to 20, 2023.





Long-Range Outlooks

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

- The monthly temperature outlook for September 2023 favors above average temperatures across northeastern Illinois and northwest Indiana
- The monthly precipitation outlook for September 2023 slightly favors below average precipitation across northeastern Illinois and northwest Indiana

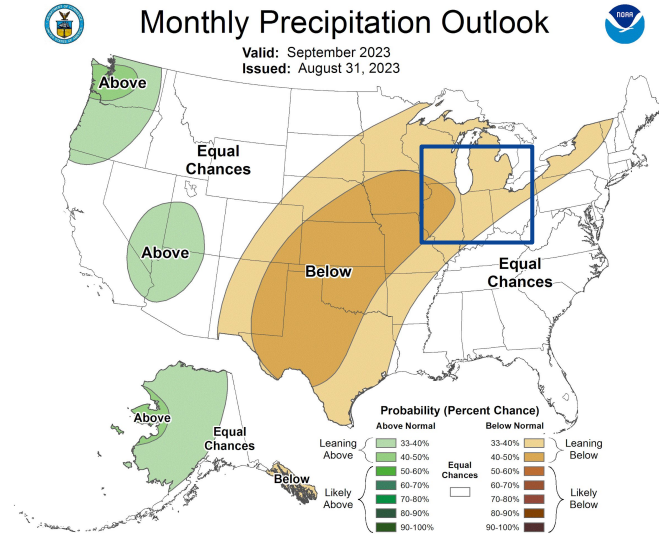
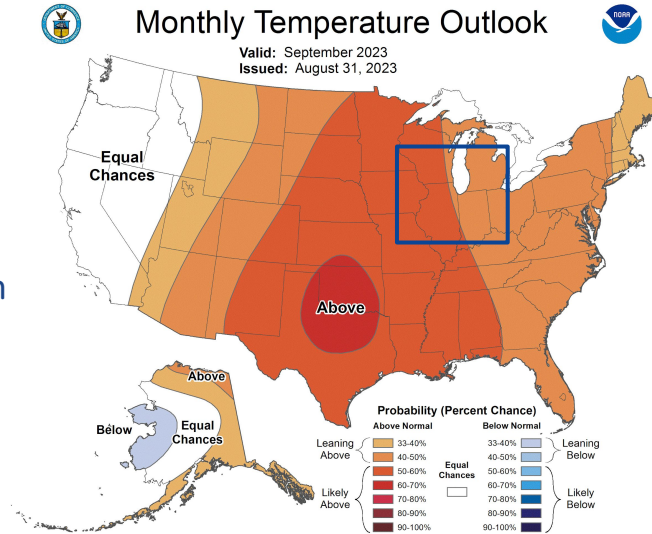


Image Captions:

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

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





Drought Outlook

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

- The monthly drought outlook favors continuation of ongoing drought and expansion of the drought area in northeastern Illinois and northwest Indiana.

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

Valid for September 2023
Released August 31, 2023

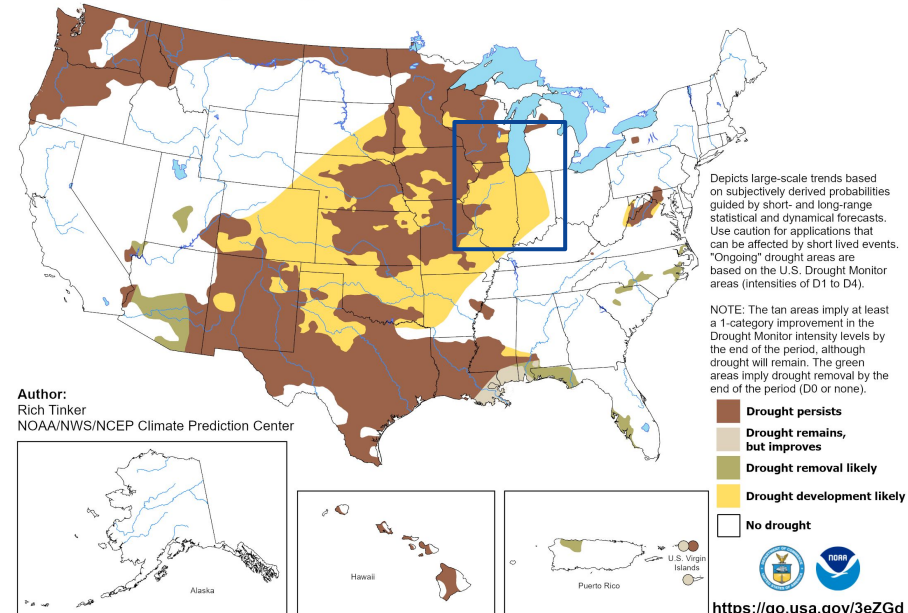


Image Caption:
Climate Prediction Center Monthly Drought Outlook Released
August 31, 2023 valid for September 2023

Links to the latest:

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

