



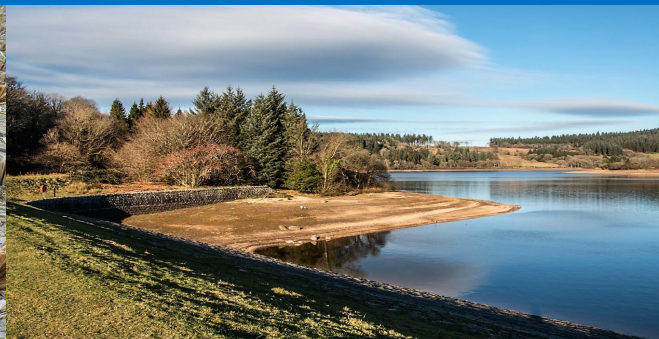
# Drought Information Statement for Eastern IA, Northwest IL & Northeast MO

Valid February 22, 2024

Issued By: WFO Quad Cities IA/IL

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

- This product will be updated on or after the 4th Thursday of the month 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/DVN/DroughtInformationStatement> for previous statements.



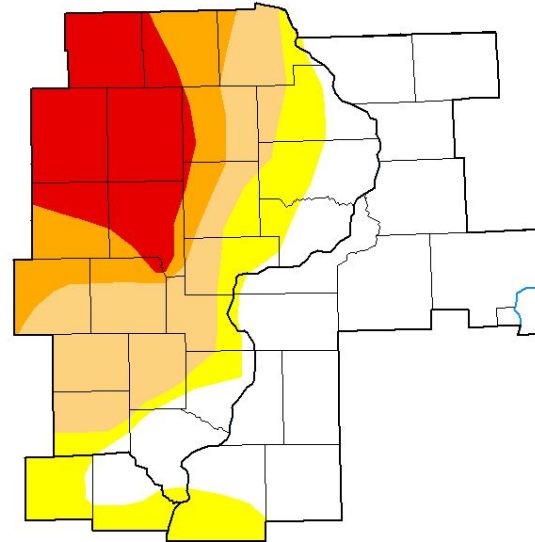


# U.S. Drought Monitor

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

- Extreme Drought Conditions remain at same level in the DVN County Warning Area (CWA)
- Drought intensity and Extent
  - Widespread improvements have occurred over the past week.
  - D4 (Exceptional Drought): Now is entirely absent from the DVN CWA.
  - D3 (Extreme Drought): Now covers **15.1%** of the DVN CWA. Most of this is within eastern Iowa.
  - D2 (Severe Drought): Now covers **24.2%** of the DVN CWA, again with the majority being in eastern Iowa.
  - D1 (Moderate Drought): Now covers over **40.8%** of the DVN CWA.

## U.S. Drought Monitor Quad Cities, IA/IL WFO



**February 20, 2024**  
(Released Thursday, Feb. 22, 2024)  
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	45.29	54.71	40.76	24.17	15.06	0.00
Last Week 02-13-2024	45.29	54.71	40.76	24.17	15.06	0.00
3 Months Ago 11-21-2023	13.13	86.87	65.47	42.89	26.35	0.00
Start of Calendar Year 01-02-2024	27.92	72.08	62.26	42.17	26.35	0.00
Start of Water Year 09-26-2023	3.08	96.92	77.41	43.94	20.87	1.99
One Year Ago 02-21-2023	60.20	39.80	10.70	0.00	0.00	0.00

### Intensity:



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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NCEI/NOAA



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

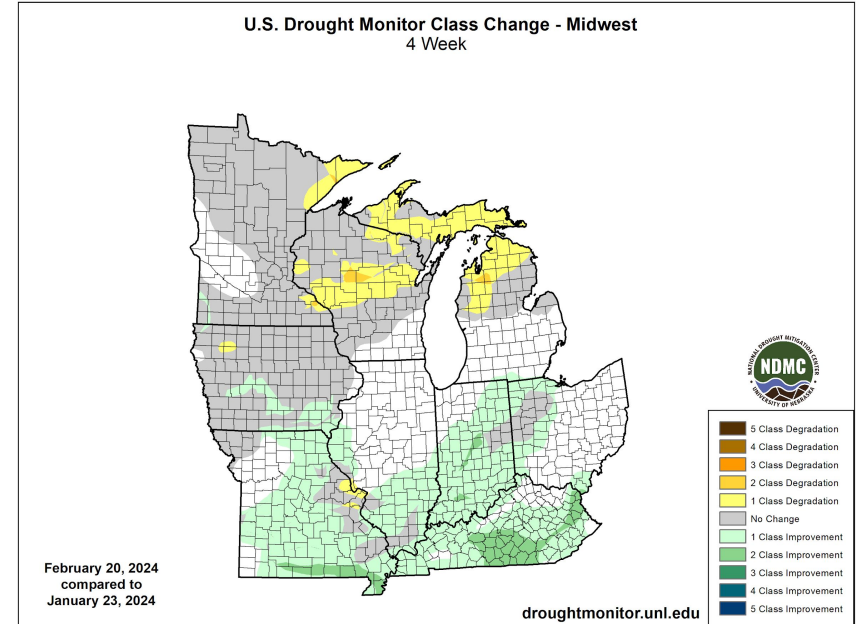




# Recent Change in Drought Intensity

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

- Four Week Drought Monitor Class Change.
  - **Drought Worsened:** In central Wisconsin and northern Michigan.
  - **No Change:** Large swaths throughout the region have seen little to no change, including a bulk of the state of Minnesota and central to northern Iowa.
  - **Drought Improved:** In a number of places scattered across the lower Midwest, including southern Illinois and Iowa, most of Kentucky and Indiana, and a bulk of central Missouri

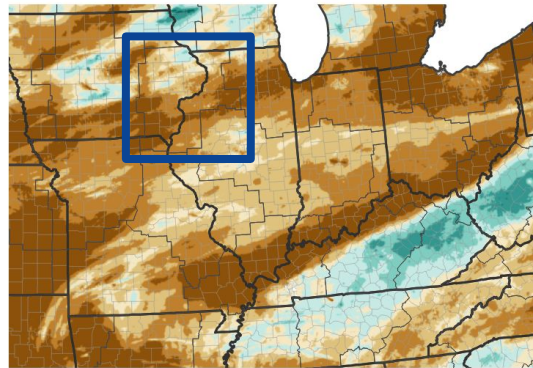




# Precipitation

- Most of the DVN CWA saw below average precipitation in the previous week, except in northeast Iowa.
- Outside of the DVN CWA rainfall amounts were also well below average in most of the area to our north and well above average in most of the area to our south.

7-Day Percent of Normal Precipitation

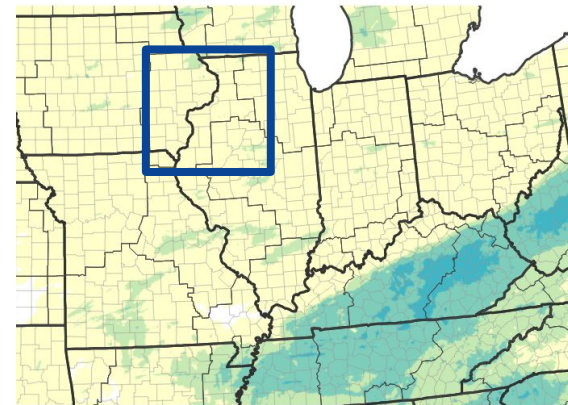


Percent of Normal Precipitation (%)



Source(s): National Weather Service Multi-Radar Multi-Sensor System; image courtesy of Drought.gov Last Updated: 02/21/24

Day Precipitation Accumulations (Inches)



Inches of Precipitation



Source(s): National Weather Service Multi-Radar Multi-Sensor System; image courtesy of Drought.gov

Last Updated: 02/21

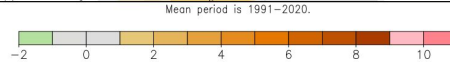
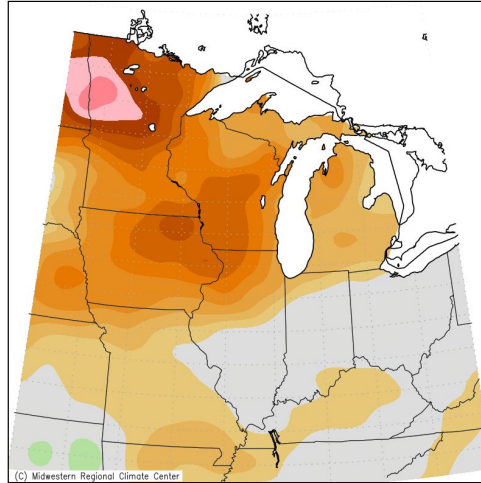




# Temperature

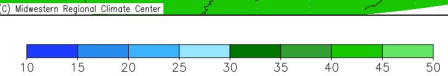
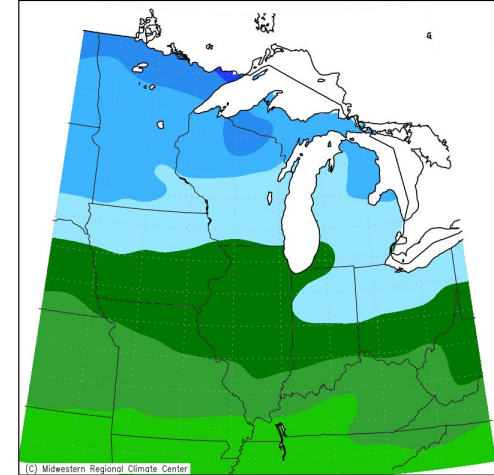
- Average temperatures ranged between 30-35 degrees. This is above normal.
- Regionally, temperatures were generally neat to above normal in the Upper Midwest.

Average Temperature (°F): Departure from Mean  
February 14, 2024 to February 20, 2024



Midwestern Regional Climate Center  
Purdue University

Average Temperature (°F)  
February 14, 2024 to February 20, 2024



Midwestern Regional Climate Center  
Purdue University





# Summary of Impacts

Link [Condition Monitoring Observer Reports \(CMOR\)](#) and view the [Drought Impacts Reporter](#)

## Hydrologic Impacts

- Streamflows remain near to slightly below normal across most of the basins in our service area.

## Agricultural Impacts

- Anomalously dry soils remain particularly across eastern Iowa, but we are seeing increasing amounts of available water in the upper soil zones.

## Other Impacts

- Rainfall is forecast next week, in increasing amounts as you head east in the DVN CWA.

## Mitigation Actions

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

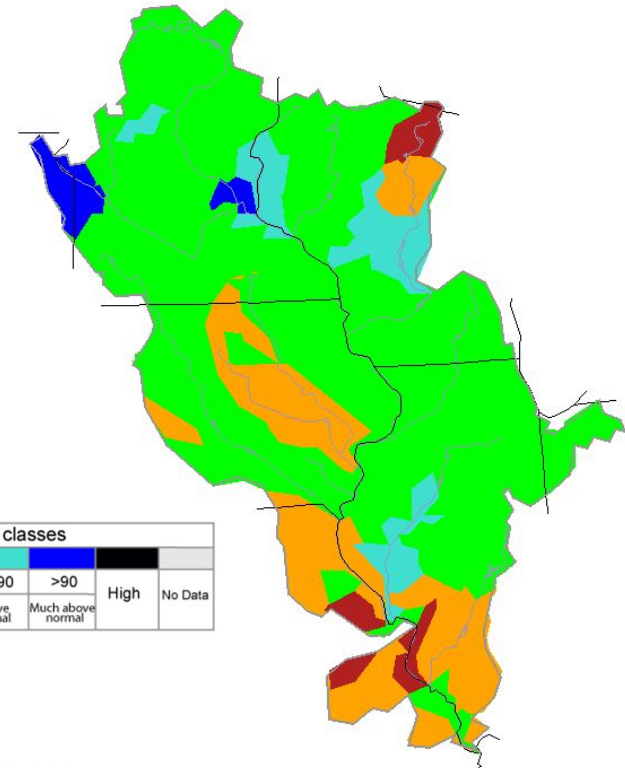




# Hydrologic Conditions and Impacts

Hednesday, February 21, 2024

- Many river levels have returned to lower flows over the past few weeks in the DVN Hydrologic Service Area (HSA).
- Streamflows are running near normal with only a few running below normal in eastern Iowa.
- Despite the lower river levels, the Mississippi River remains navigable at this time.



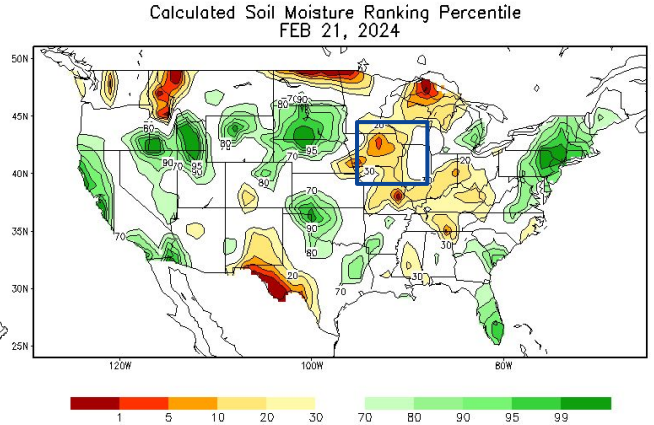
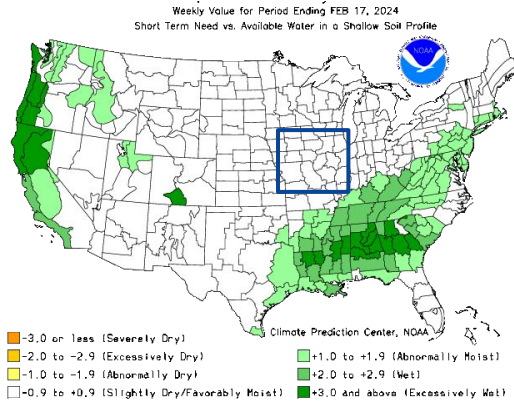
Explanation - Percentile classes							
Low	<10	10-24	25-75	76-90	>90	High	No Data
	Much below normal	Below normal	Normal	Above normal	Much above normal		





# Agricultural Impacts

- Locally, we are observing below normal soil moisture conditions in Iowa and near normal conditions in Illinois. The driest soils can be seen in a band from southeast Nebraska through northern Michigan.
- Much of the local area, along with areas directly north, are seeing near normal available crop moisture. This change can partially be attributed to the end of the traditional growing season.



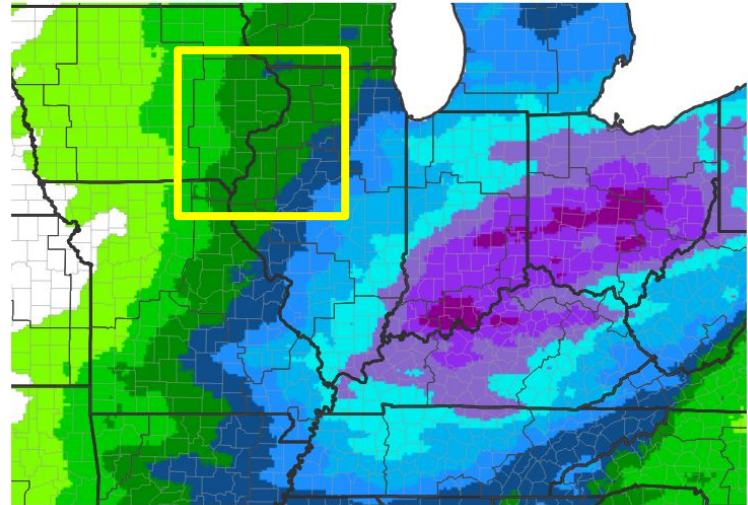




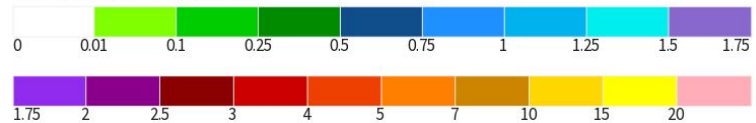
# Seven Day Precipitation Forecast

- Through the next 7 days, we are expecting to see 0.1 to 0.75 inches of precipitation with varying local amounts possible. Most of this precipitation is expected to fall as liquid precipitation, due to unseasonably warm temperatures.
- If these precipitation totals occur, it is possible that we could see drought remain status quo or slight improvements over the next 2 weeks.

7-Day Quantitative Precipitation Forecast



Predicted Inches of Precipitation



Source(s): National Weather Service Weather Prediction Center; image courtesy of Drought.gov

Data Valid: 02/21/24

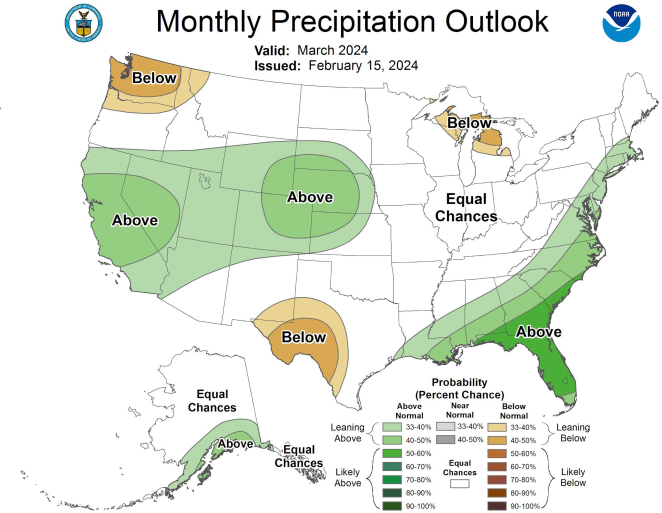
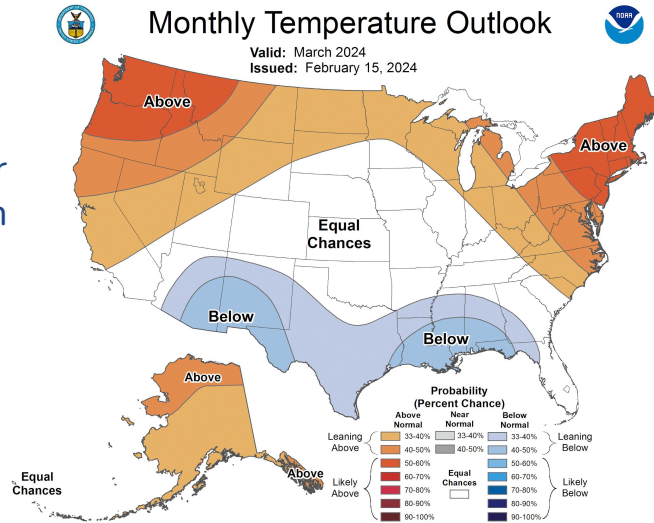




# Long-Range Outlooks

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

- Equal chances for warmer or cooler than normal temperatures are possible for March for the DVN CWA.
- Equal chances for above or below normal precipitation amounts is possible for March in the DVN CWA and surrounding areas.





# Drought Outlook

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

- Drought will persist across the northern part of the DVN CWA through the end of May.
- Drought conditions in the southern part of the DVN CWA will likely improve and/or be removed by the end of May.

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

Valid for February 15 - May 31, 2024  
Released February 15, 2024

