



# Drought Information Statement for Northeast Kansas

Valid February 8, 2024

Issued By: NWS Topeka

Contact Information: [nws.topeka@noaa.gov](mailto:nws.topeka@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/top/DroughtInformationStatement> for previous statements.



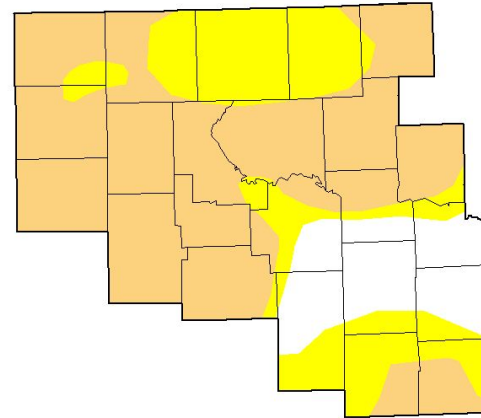


# U.S. Drought Monitor

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

- Drought continues across much of the area due to below precipitation from the spring to mid-fall 2023, though recent wetness has reduced the level of drought for most areas
- Drought intensity and extent:
  - D1 (Moderate Drought): Anderson, Brown, Clay, Cloud, Coffey, Dickinson, Geary, Jackson, Jefferson, Morris, Nemaha, Ottawa, Pottawatomie, Republic, Riley, Shawnee, Wabaunsee, and Washington Counties
  - D0 (Abnormally Dry): Douglas, Franklin, Lyon, Marshall, and Osage Counties

## U.S. Drought Monitor Topeka, KS WFO



**February 6, 2024**  
(Released Thursday, Feb. 8, 2024)  
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	14.63	85.37	58.55	0.00	0.00	0.00
<b>Last Week</b> 01-30-2024	14.54	85.46	58.55	2.15	0.00	0.00
<b>3 Months Ago</b> 11-07-2023	0.00	100.00	86.89	43.29	0.66	0.00
<b>Start of Calendar Year</b> 01-02-2024	9.71	90.29	73.01	24.15	0.00	0.00
<b>Start of Water Year</b> 09-26-2023	4.02	95.98	85.95	51.05	19.88	0.00
<b>One Year Ago</b> 02-07-2023	16.17	83.83	36.57	3.70	0.01	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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National Drought Mitigation Center



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



National Oceanic and  
Atmospheric Administration  
U.S. Department of Commerce

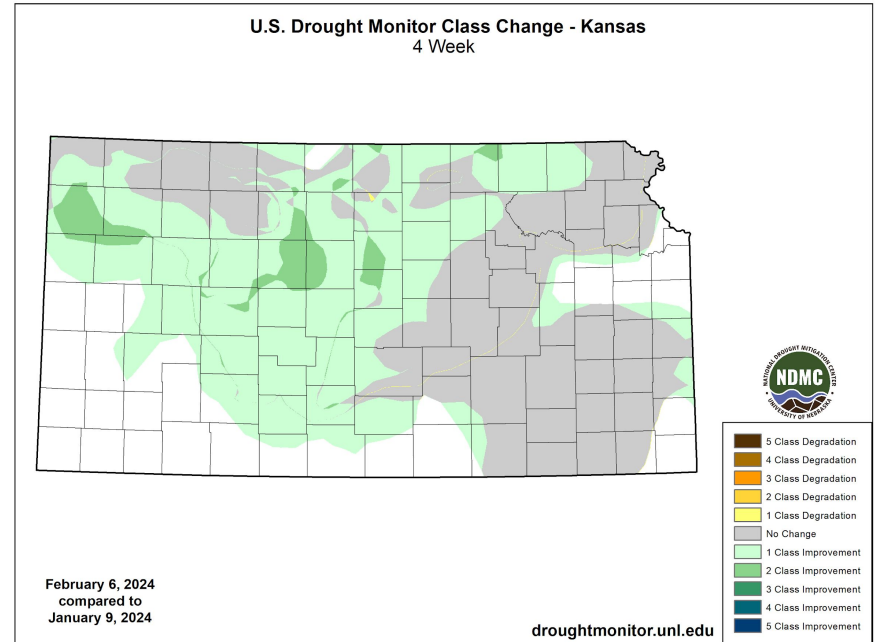
National Weather Service  
Topeka, KS



# Recent Change in Drought Intensity

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

- Four-Week Drought Monitor Class Change:
  - Most of the improvements have been in northeast and east-central Kansas where recent precipitation has been more robust

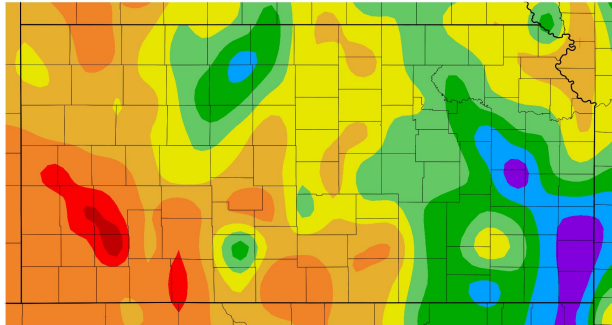




# Precipitation

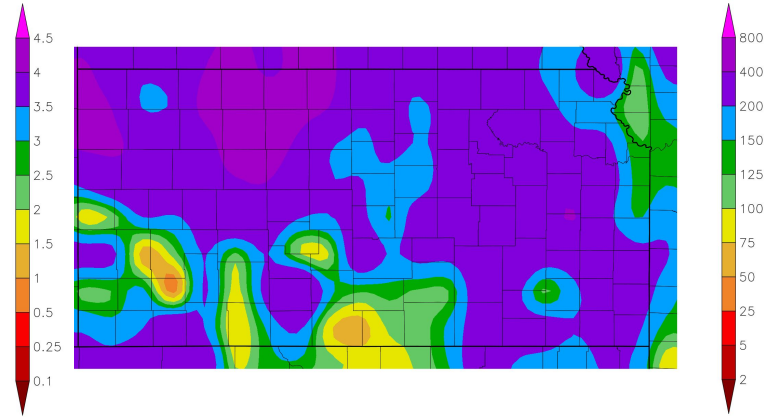
- Precipitation amounts of two to three inches were common over the past 30 days, with higher amounts in east-central Kansas.
- These amounts are two to three times the normal amount.

Precipitation (in)  
1/9/2024 - 2/7/2024



Generated 2/8/2024 at HPRCC using provisional data.

Percent of Normal Precipitation (%)  
1/9/2024 - 2/7/2024



NOAA Regional Climate Centers sted 2/8/2024 at HPRCC using provisional data.

NOAA Regional Climate Centers

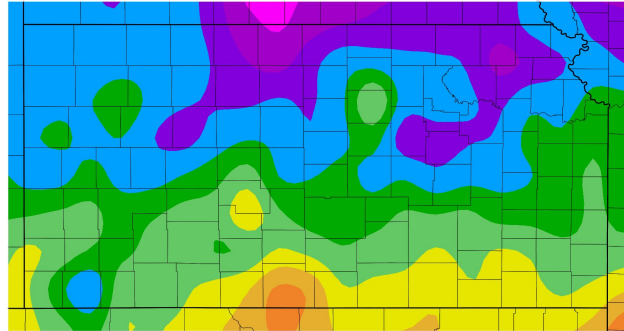




# Temperature

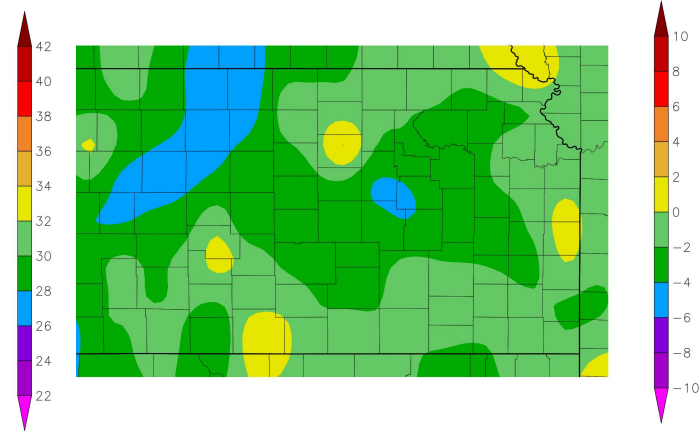
- Temperatures have averaged to be a few degrees below normal over the past 30 days.

Temperature (F)  
1/9/2024 – 2/7/2024



Generated 2/8/2024 at HPRCC using provisional data.

Departure from Normal Temperature (F)  
1/9/2024 – 2/7/2024



NOAA Regional Climate Centers <sup>24</sup> at HPRCC using provisional data.

NOAA Regional Climate Centers





# Summary of Impacts

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

## Hydrologic Impacts

- River gages across the area indicated flows from near normal to much above normal. The elevation of area reservoirs range from four feet above to six feet below conservation pool levels.

## Soil Moisture Impacts

- The Climate Prediction Center reports soil moisture deficits roughly in the zero to two-inch range. The Kansas Agricultural Statistics Service reports topsoil moisture as four percent very short and sixteen percent short across the state.

## Agricultural Impacts

- The Kansas Agricultural Statistics Service reports, for the entire state, the wheat condition as four percent very poor and eleven percent poor.

## Mitigation Actions

- None known

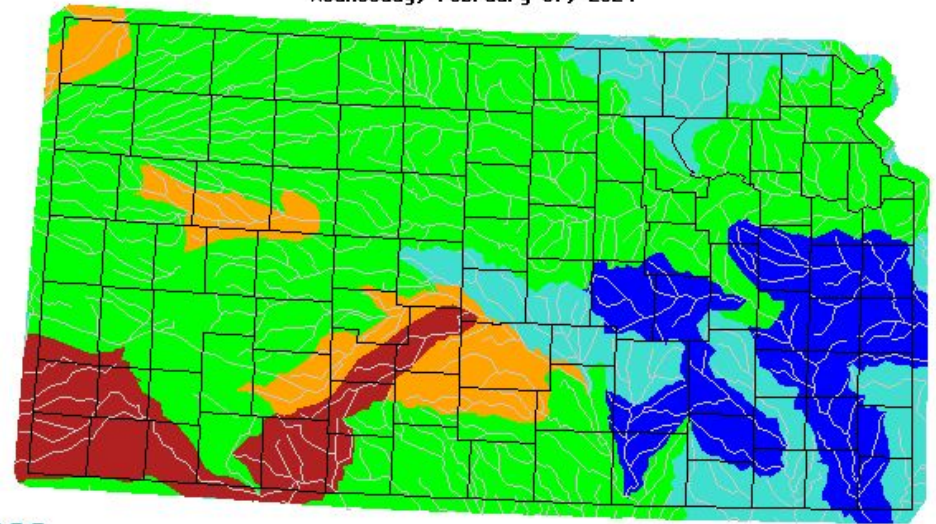




# Hydrologic Conditions and Impacts

- River gages across the area indicated flows from near normal to much above normal.
- The elevation of area reservoirs range from four feet above to six feet below conservation pool levels.

Wednesday, February 07, 2024



USGS

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

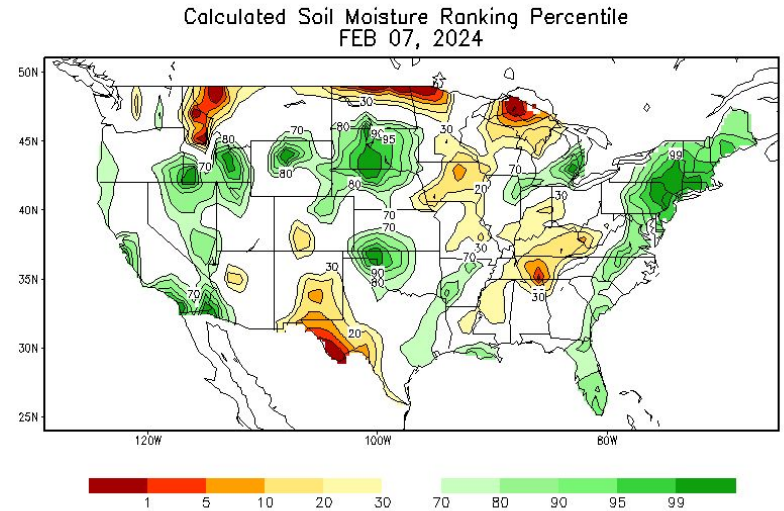
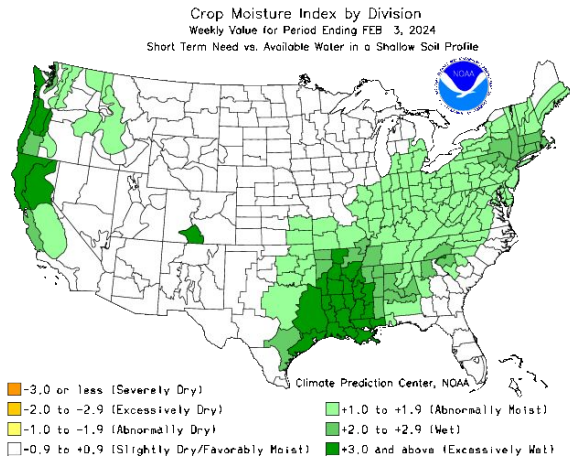
Image Caption: USGS 7-day average streamflow HUC map





# Agricultural Impacts

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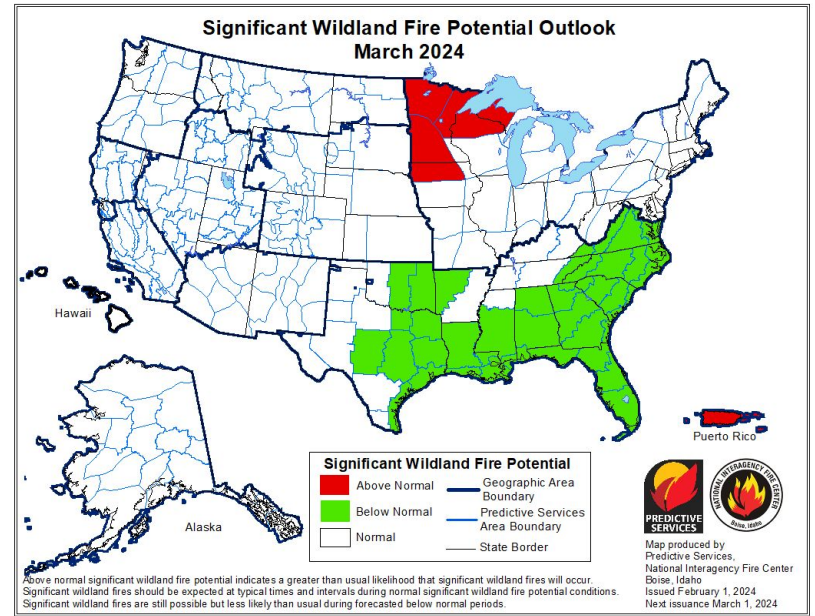
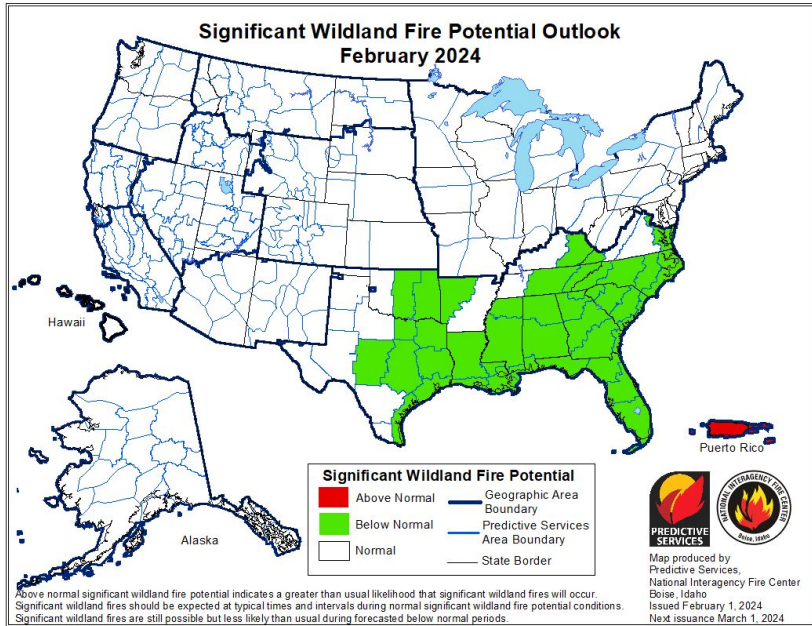




# Fire Hazard Impacts

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

- The wildland fire potential outlooks indicate near normal fire potential.





# Seven Day Precipitation Forecast

- Precipitation through early February 15 is expected to be less than one-quarter of an inch.
- Normal precipitation for this time of year (over a one week period) is around one third of an inch.

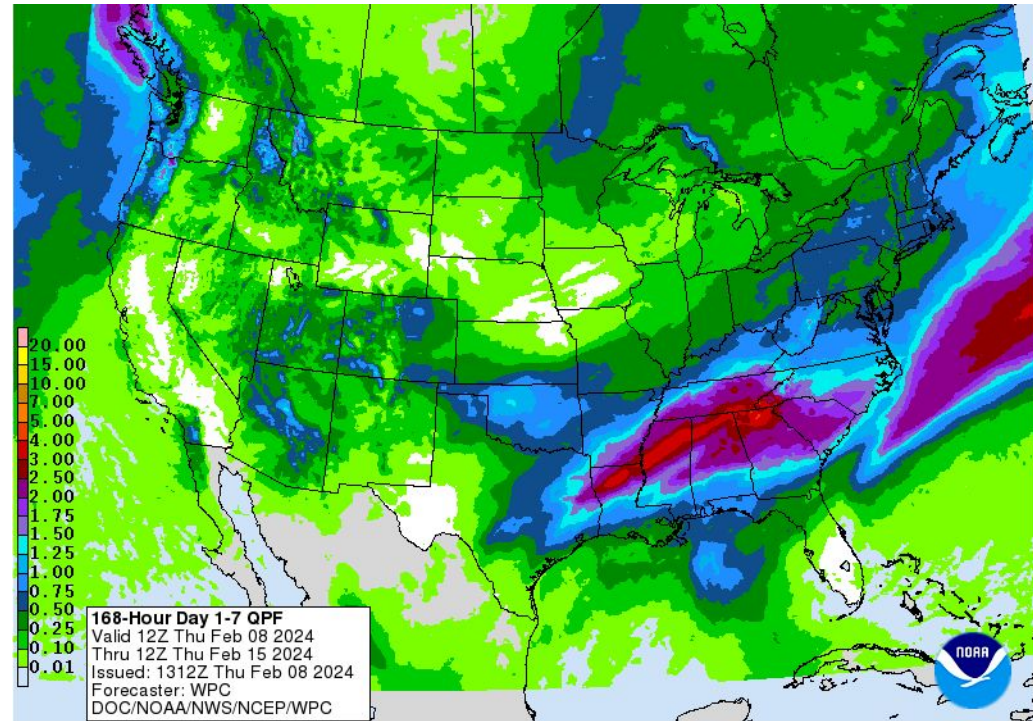


Image Caption: Weather Prediction Center [7-day precipitation forecast](#)





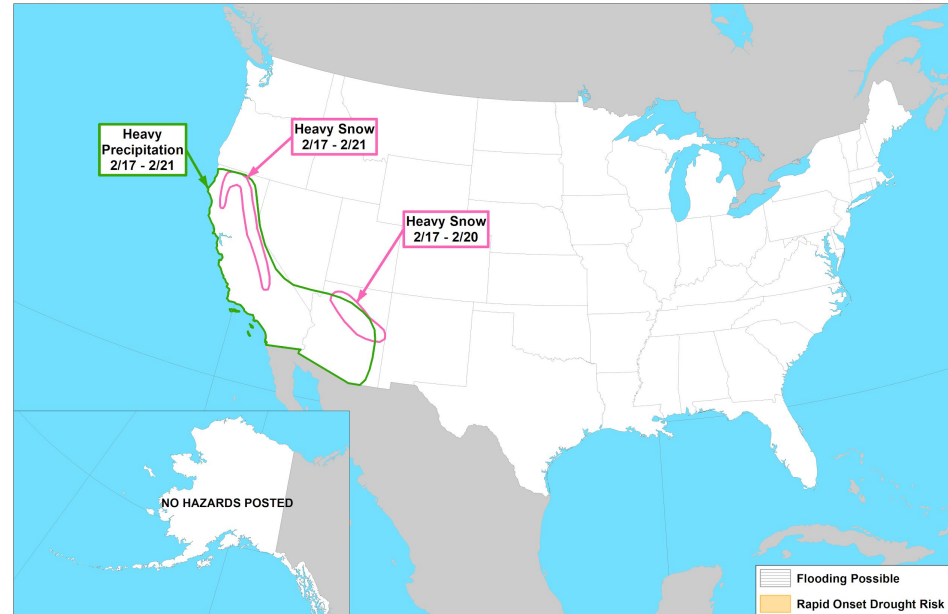
# Rapid Onset Drought Outlook

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

- No rapid onset drought is expected through the middle of January



Day 8-14 U.S. Hazards Outlook  
Valid: 02/15/2024-02/21/2024



Climate Prediction Center  
Made: 02/07/2024 3PM EST

Follow us:   
[www.cpc.ncep.noaa.gov](http://www.cpc.ncep.noaa.gov)

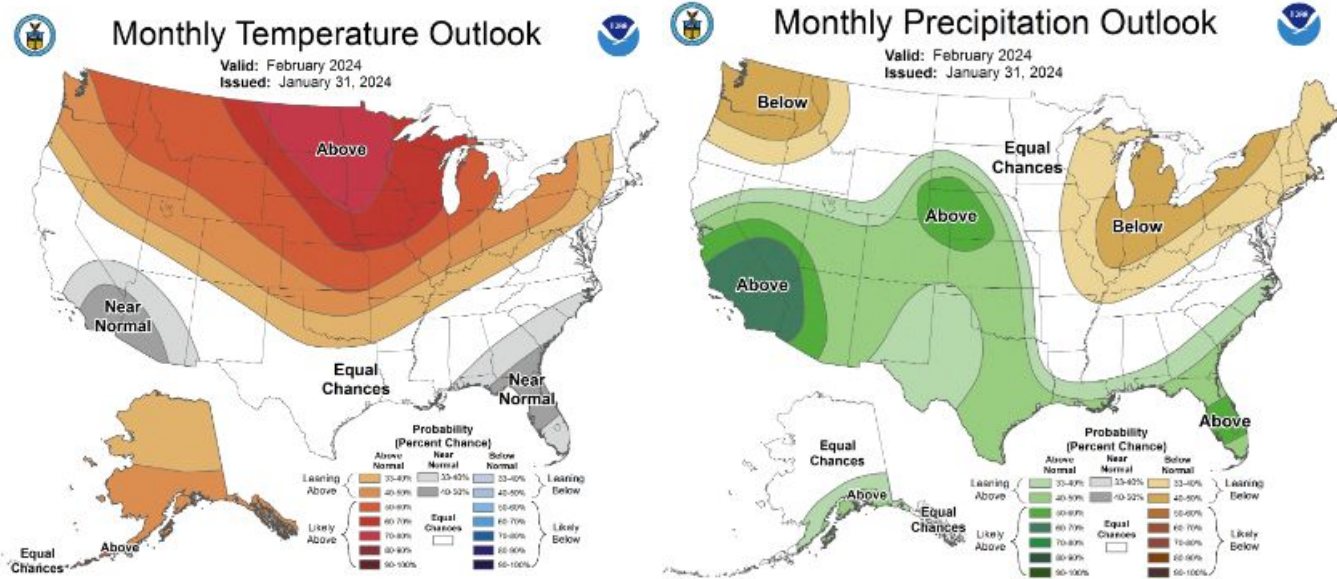




# Long-Range Outlooks

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

- There is a greater than equal chance for above normal temperature for February.
- There is a greater than equal chance for above normal precipitation for much of the area February.



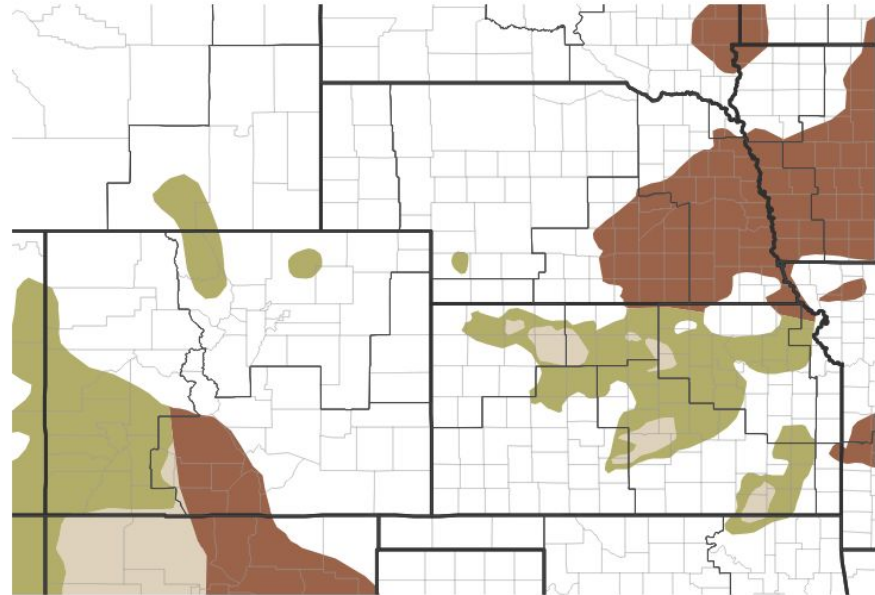


# Drought Outlook

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

- Drought conditions are expected to be reduced for most of the area.

## 1-Month Drought Outlook



Drought Is Predicted To...



Source(s): Climate Prediction Center; image courtesy of Drought.gov

Data Valid: 02/01/24

