



# Drought Information Statement for Northeast Kansas

Valid January 6, 2024

Issued By: NWS Topeka

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

- This product will be updated February 8, 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.



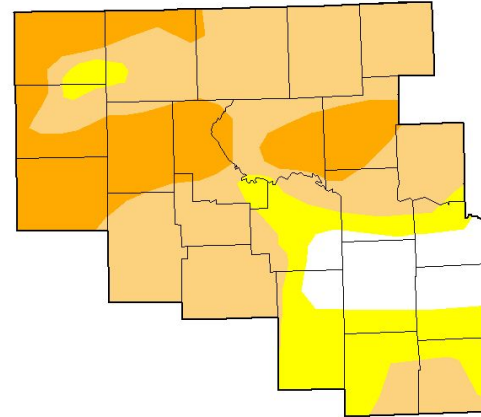


# U.S. Drought Monitor

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 drought has recently diminished
- Drought intensity and extent:
  - D2 (Severe Drought): Clay, Cloud, Dickinson, Jackson, Marshall, Morris, Ottawa, Pottawatomie, Republic, Riley, Shawnee, and Washington Counties
  - D1 (Moderate Drought): Anderson, Brown, Coffey, Douglas, Geary, Jefferson, Lyon, Nemaha, and Wabaunsee Counties
  - D0 (Abnormally Dry): Franklin and Osage Counties

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



**January 2, 2024**  
(Released Thursday, Jan. 4, 2024)  
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	9.71	90.29	73.01	24.15	0.00	0.00
<b>Last Week</b> 12-26-2023	9.71	90.29	73.01	24.15	0.00	0.00
<b>3 Months Ago</b> 10-03-2023	0.00	100.00	91.60	63.17	19.88	0.00
<b>Start of Calendar Year</b> 01-01-2024	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	51.65	19.88	0.00
<b>One Year Ago</b> 01-03-2023	0.00	100.00	45.20	3.70	0.02	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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[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)



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

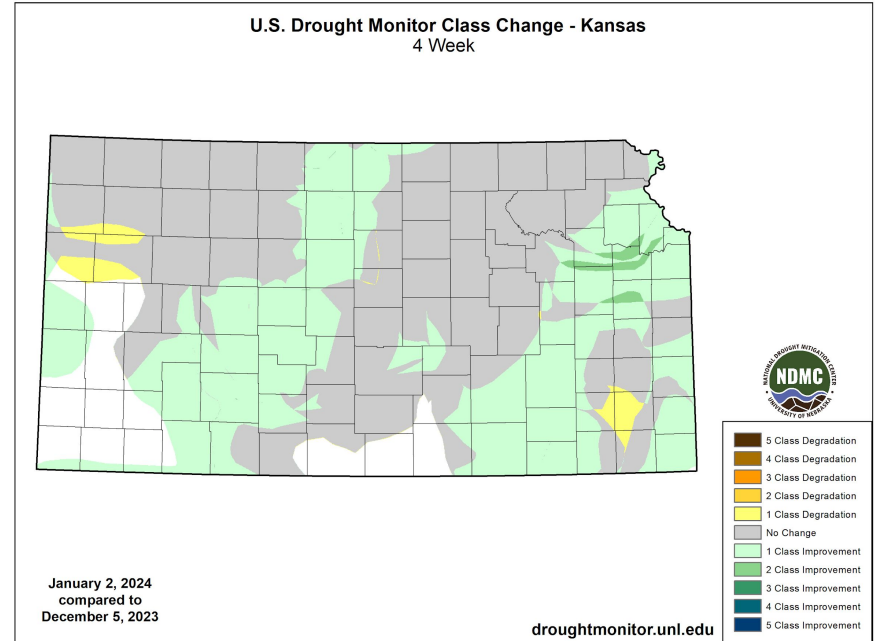
National Weather Service  
Topeka, KS



# Recent Change in Drought Intensity

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

- Four-Week Drought Monitor Class Change:
  - Areas in east-central Kansas have seen one to two category increases where precipitation has been around two-times normal

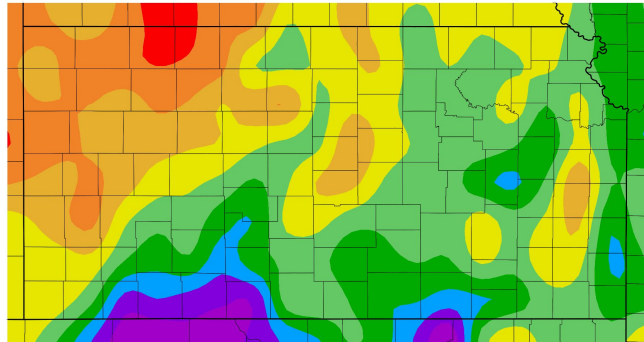




# Precipitation

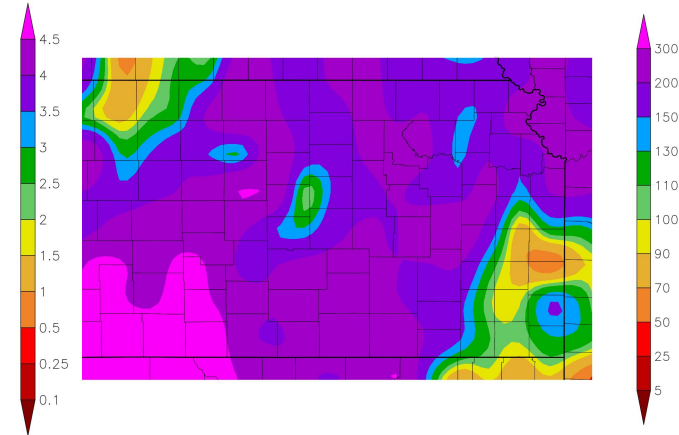
- Precipitation amounts of around two inches were common over the past 30 days, with higher amounts roughly along the Kansas Turnpike. Locations in and near Anderson County received around an inch of precipitation.
- These amounts are around 200 percent of normal to as low as 70 percent of normal in Anderson County.

Precipitation (in)  
12/7/2023 - 1/5/2024



Generated 1/6/2024 at HPRCC using provisional data.

Percent of Normal Precipitation (%)  
12/7/2023 - 1/5/2024



NOAA Regional Climate Centers  
4 at HPRCC using provisional data.

NOAA Regional Climate Center

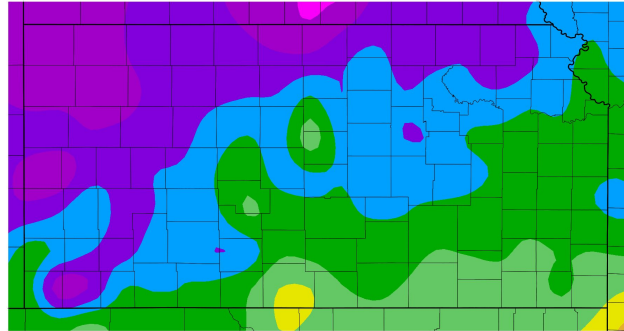




# Temperature

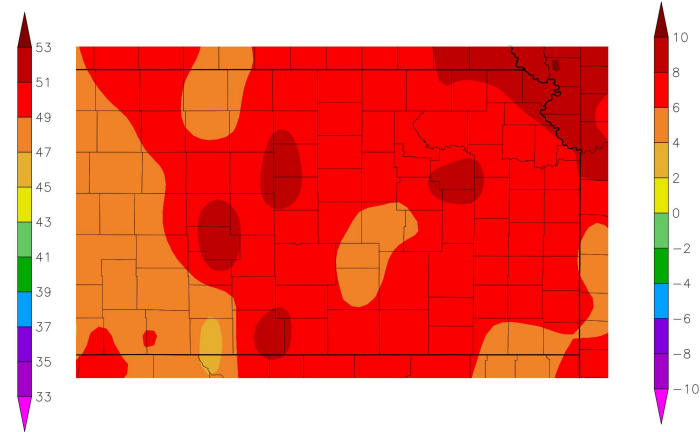
- Temperatures have averaged to be a few to nearly ten degrees above normal in the past 30 days.

Temperature (F)  
12/7/2023 – 1/5/2024



Generated 1/6/2024 at HPRCC using provisional data.

Departure from Normal Temperature (F)  
12/7/2023 – 1/5/2024



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 near record lowest levels. The elevation of area reservoirs range from two feet above to eight feet below conservation pool levels.

## Soil Moisture Impacts

- The Climate Prediction Center reports soil moisture deficits roughly in the two- to three-inch range. The Kansas Agricultural Statistics Service reports topsoil moisture as 16 percent very short and 31 percent short across the state.

## Agricultural Impacts

- The Kansas Agricultural Statistics Service reports, for the entire state, the wheat condition as nine percent very poor and 12 percent poor.

## Mitigation Actions

- None known

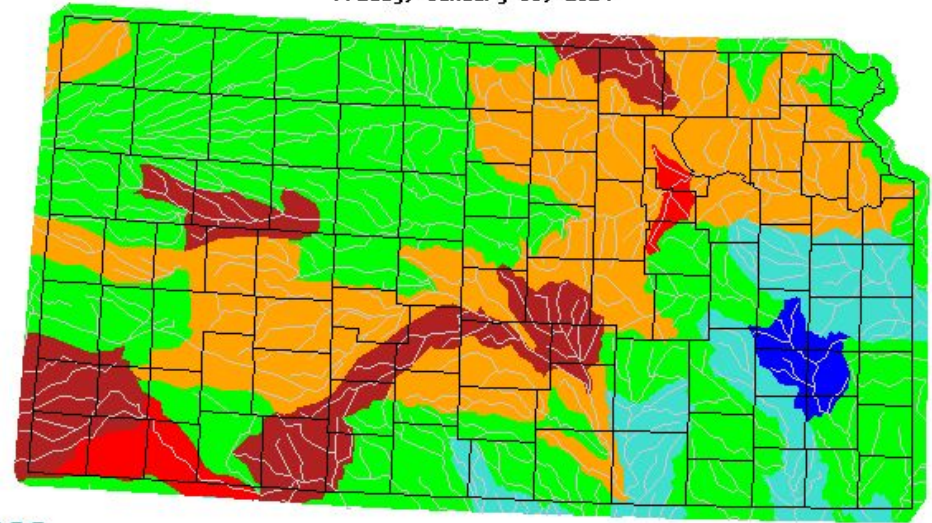




# Hydrologic Conditions and Impacts

- River gages across the area indicated flows from near normal to near record lowest levels.
- The elevation of area reservoirs range from two feet above to eight feet below conservation pool levels.

Friday, January 05, 2024



USGS

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		

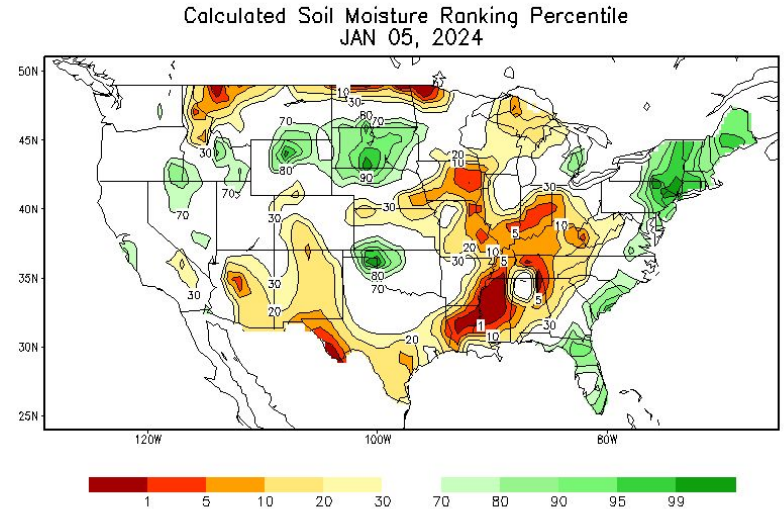
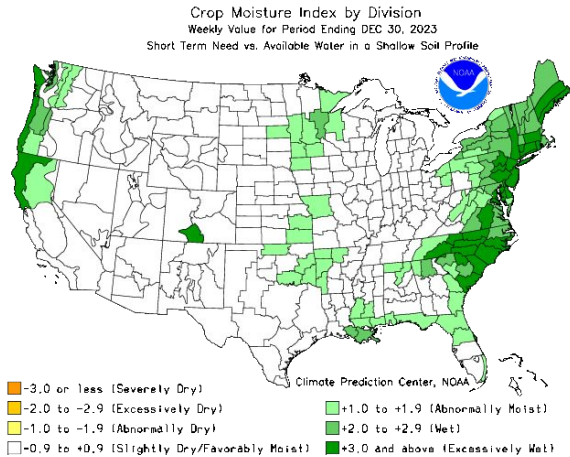
Image Caption: USGS 7-day average streamflow HUC map





# Agricultural Impacts

- The Climate Prediction Center reports soil moisture deficits roughly in the two- to three-inch range. The Kansas Agricultural Statistics Service reports topsoil moisture as 16 percent very short and 31 percent short across the state.
- The Kansas Agricultural Statistics Service reports, for the entire state, the wheat condition as nine percent very poor and 12 percent poor.



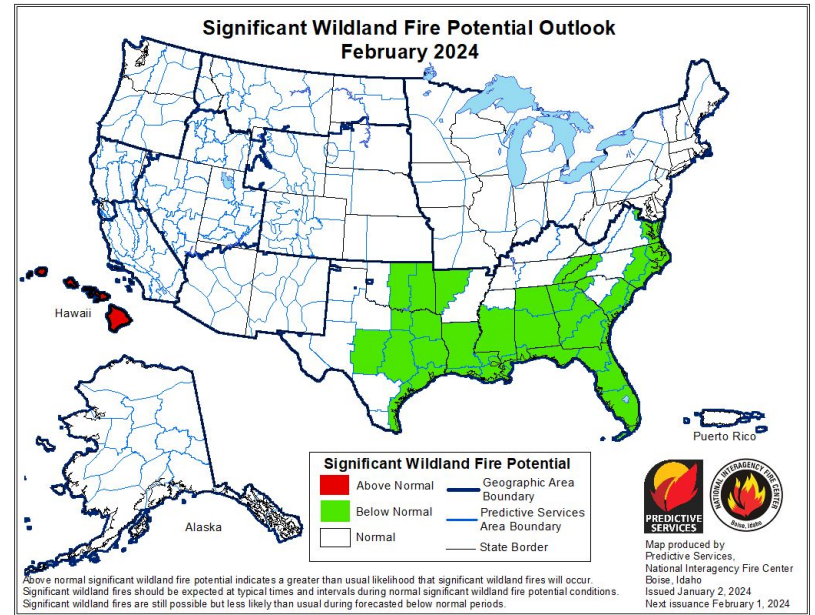
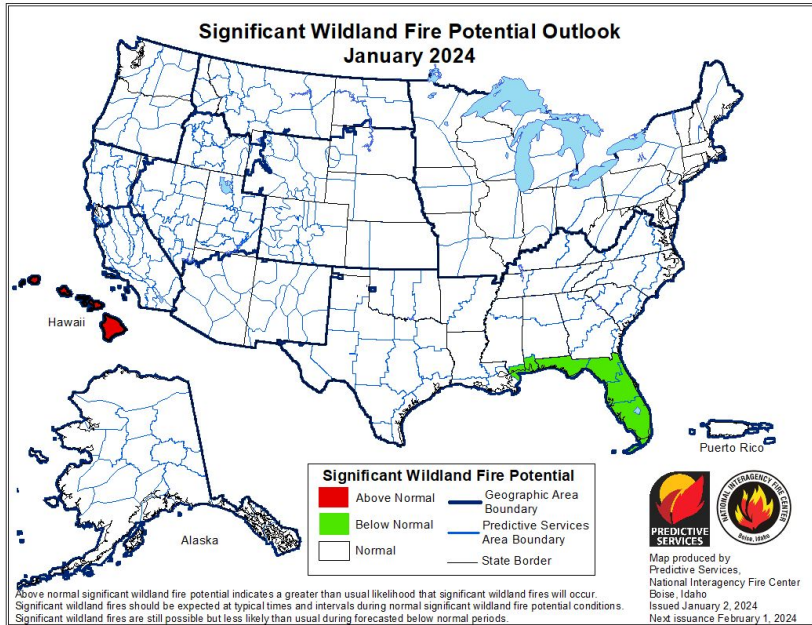




# Fire Hazard Impacts

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 January 13 is expected to be three-quarters of an inch to near 1.5 inches.
- Normal precipitation for this time of year (over a one week period) is around two-tenths of an inch.

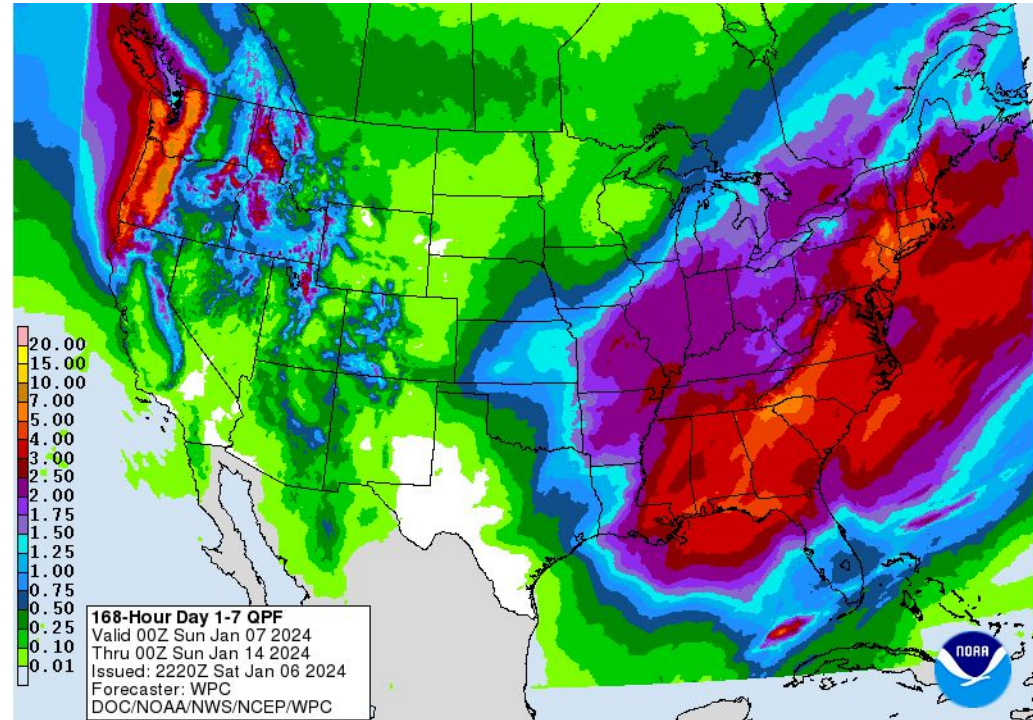


Image Caption: Weather Prediction Center [7-day precipitation forecast](#)





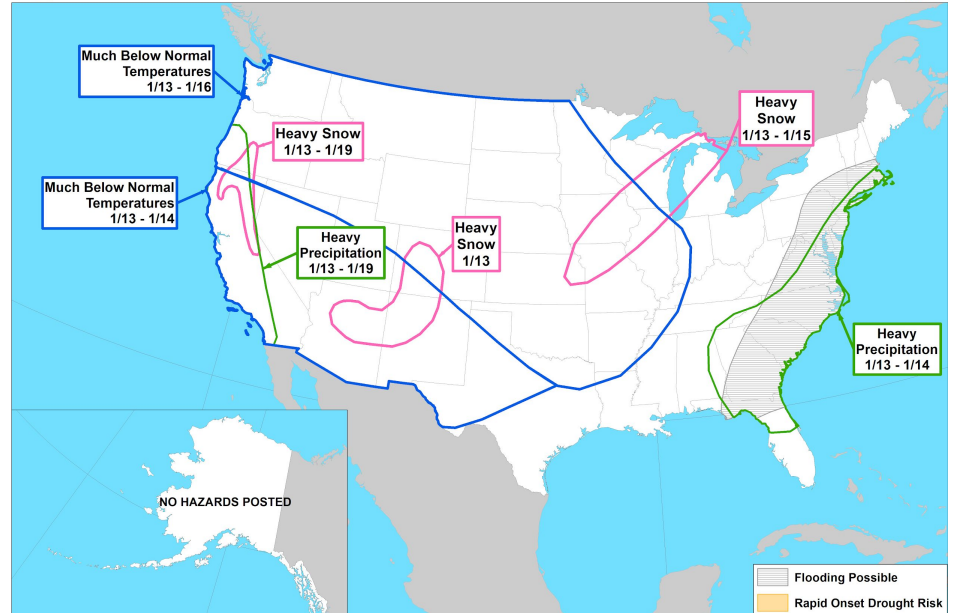
# Rapid Onset Drought Outlook

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: 01/13/2024-01/19/2024



Climate Prediction Center  
Made: 01/05/2024 3PM EST

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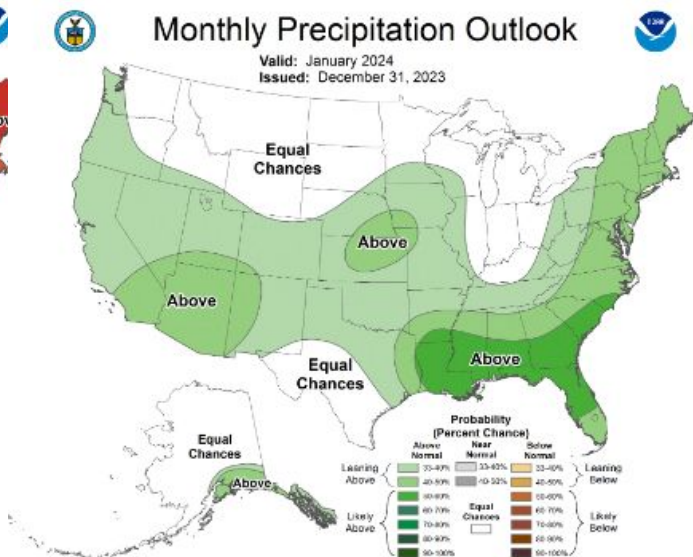
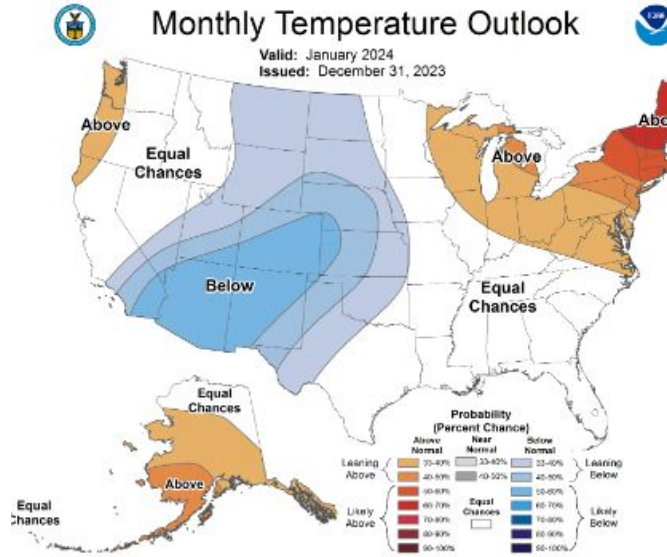




# Long-Range Outlooks

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

- There is a slightly greater than equal chance for below normal temperature for January.
- There is a greater than equal chance for above normal precipitation in January.



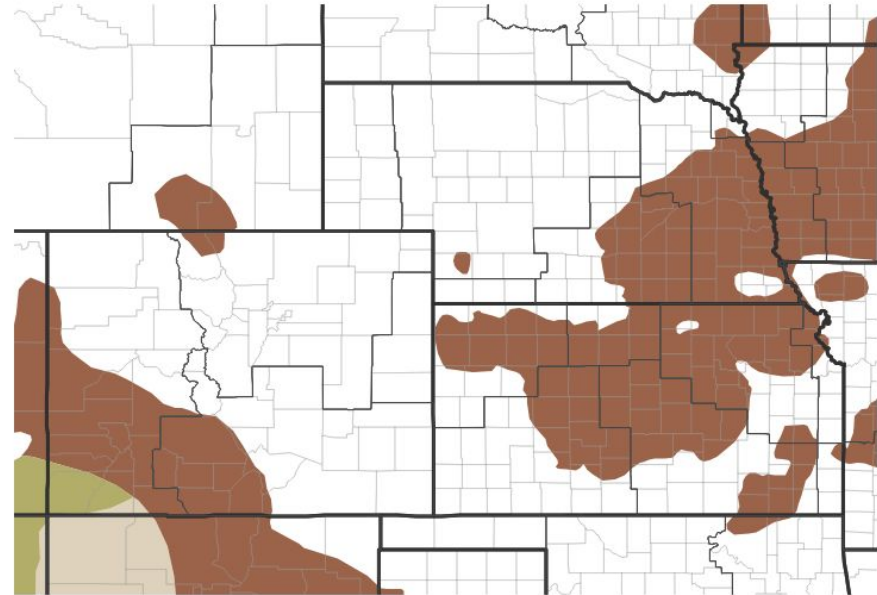


# Drought Outlook

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

- Drought conditions are expected to continue in January.

## 1-Month Drought Outlook



### Drought Is Predicted To...



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

Data Valid: 12/31/23

