

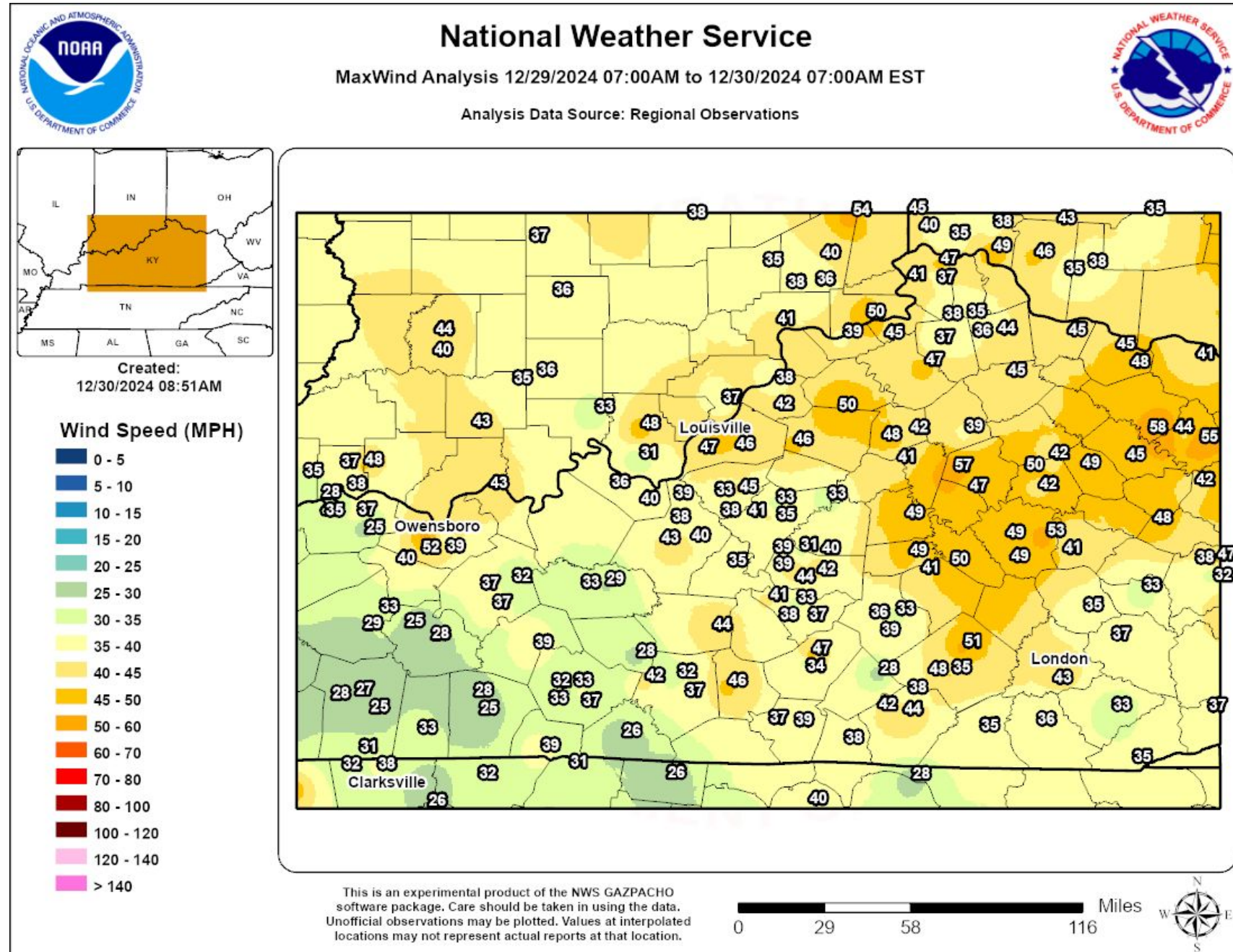


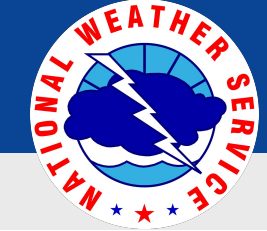
December 2024 Monthly Summary

January 12, 2025
7:21 PM

Overall, December 2024 was a fairly benign month with weather conditions typical of the time of year. The month began on the cold and snowy side, with daily average temperatures about 10 to 20 degrees below normal for the first few days. On the 4th, deep low pressure crossing the Great Lakes brought strong winds to the region, with gusts generally in the 35 to 45 mph range, though a couple spots in Harrison County, Indiana and Meade County, Kentucky hit at least 50 mph.

The last week of the month was quite warm, especially on the 28th with afternoon highs in the lower and middle 60s. The following day was windy with plenty of gusts over 45 mph, especially in the Blue Grass.





Averages, Departures, & Records

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Station Values

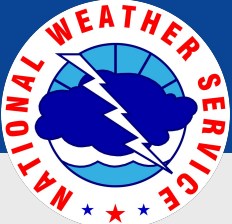
	Average Temperature	Departure from Normal	Precipitation	Departure from Normal	Snow	Departure from Normal
Bowling Green	43.6°	+3.1°	5.92"	+1.57"	0.3"	-0.5"
Frankfort	40.2°	+2.1°	4.73"	+0.96"		
Lexington	41.3°	+3.5°	4.20"	0	1.6"	-0.3"
Louisville Ali	42.7°	+3.1°	3.81"	-0.32"	0.2"	-2.0"
Louisville Bowman	40.7°	+1.9°	4.18"	+0.30"		

Records

No daily or monthly records were set

Source: [NWS Louisville Climate](#)





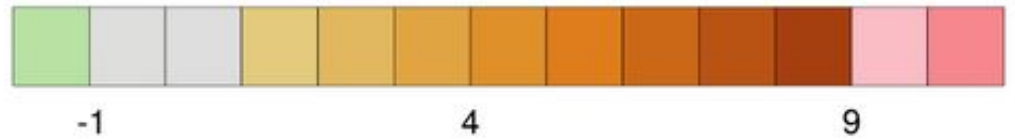
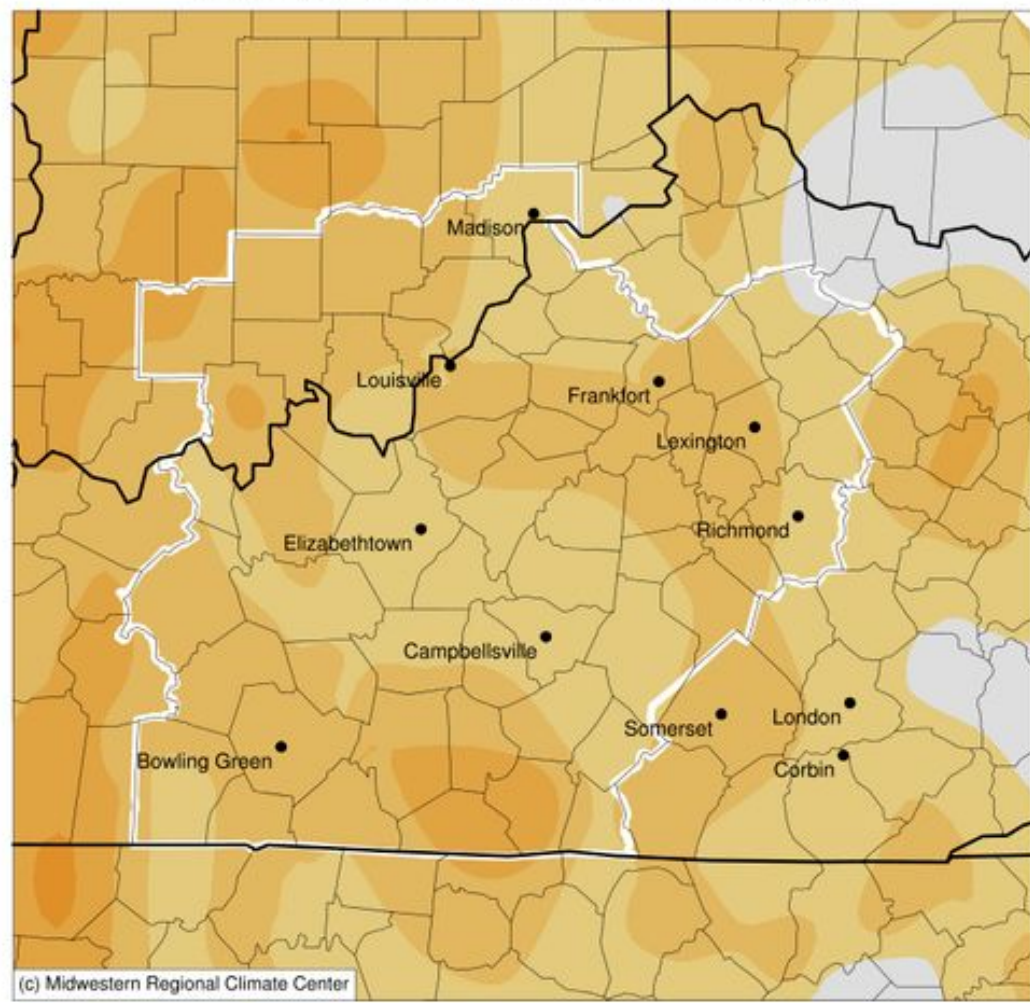
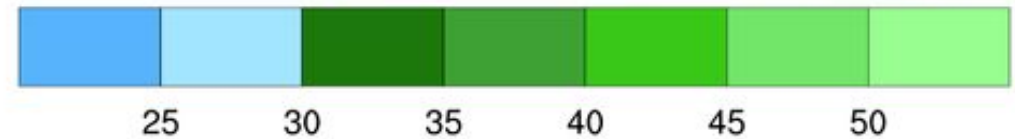
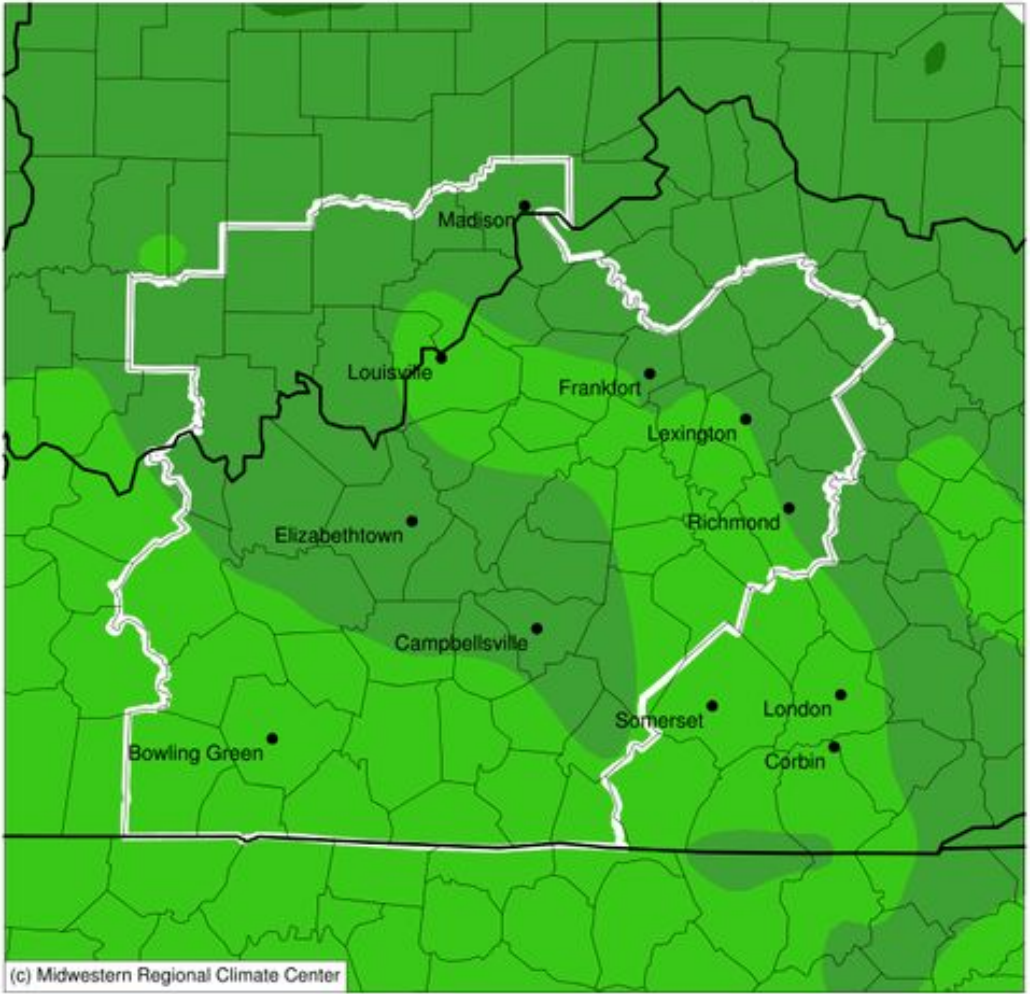
Temperature Maps

January 12, 2025
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December 1-31, 2024

Average Temperature

Average Temperature Departure from Normal



Source: [MRCC](#)

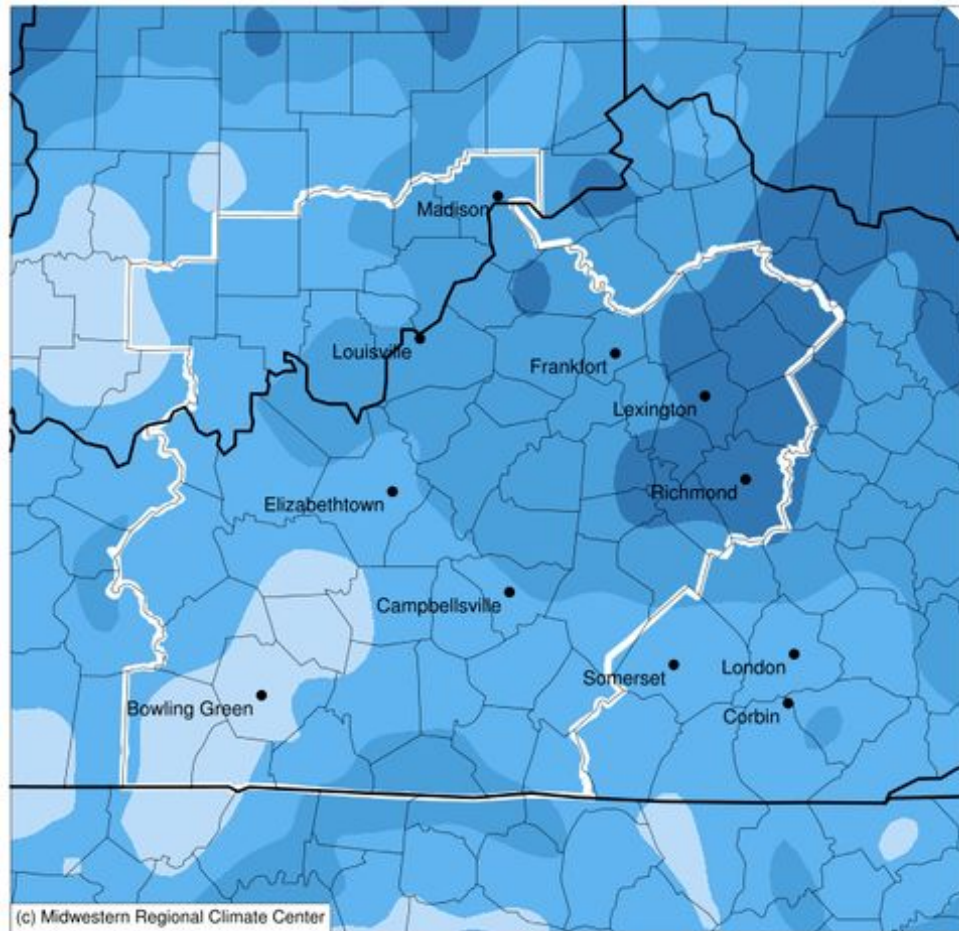


Precipitation Maps

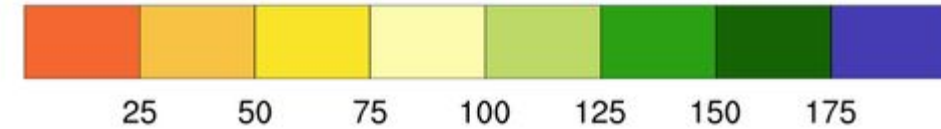
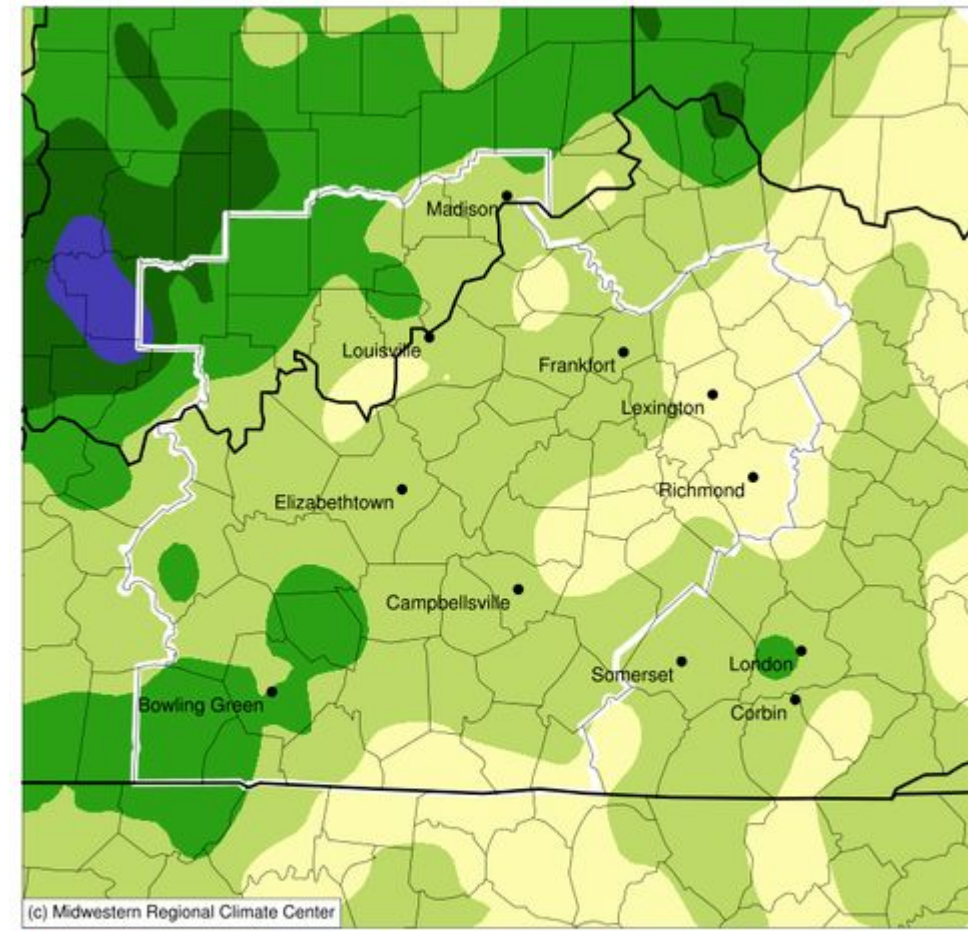
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December 1-31, 2024

Total Precipitation



Total Precipitation Percentage of Normal



Source: [MRCC](#)

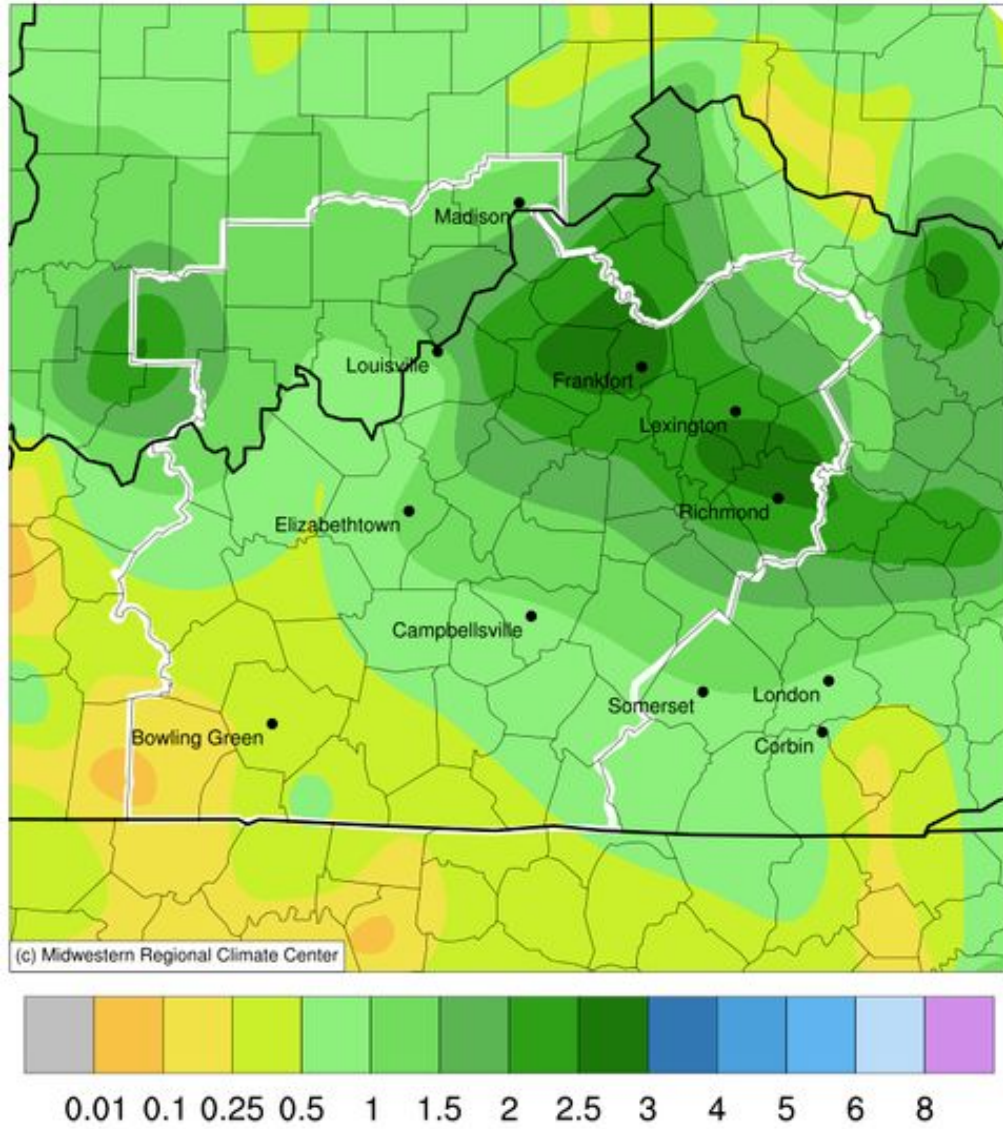




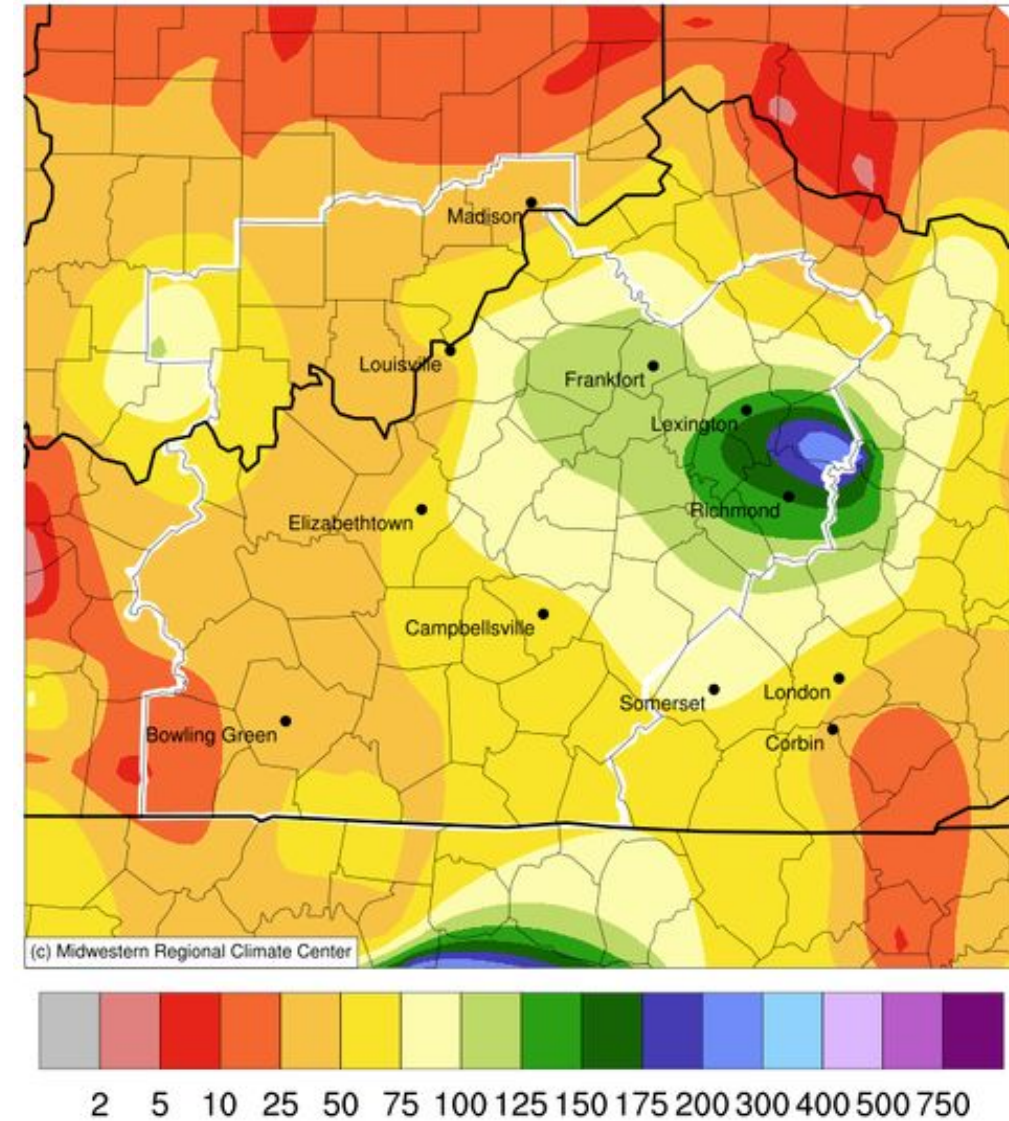
Snowfall Maps

January 12, 2025
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Total Snowfall



Total Snowfall Percentage of Normal



Source: [MRCC](#)





Preliminary Severe Weather Reports

January 12, 2025
7:21 PM

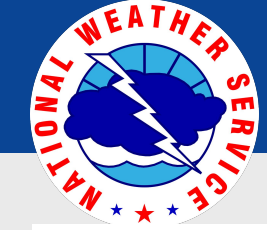
December 1-31, 2024

No severe weather occurred in December 2024 in central southern Indiana or central Kentucky.



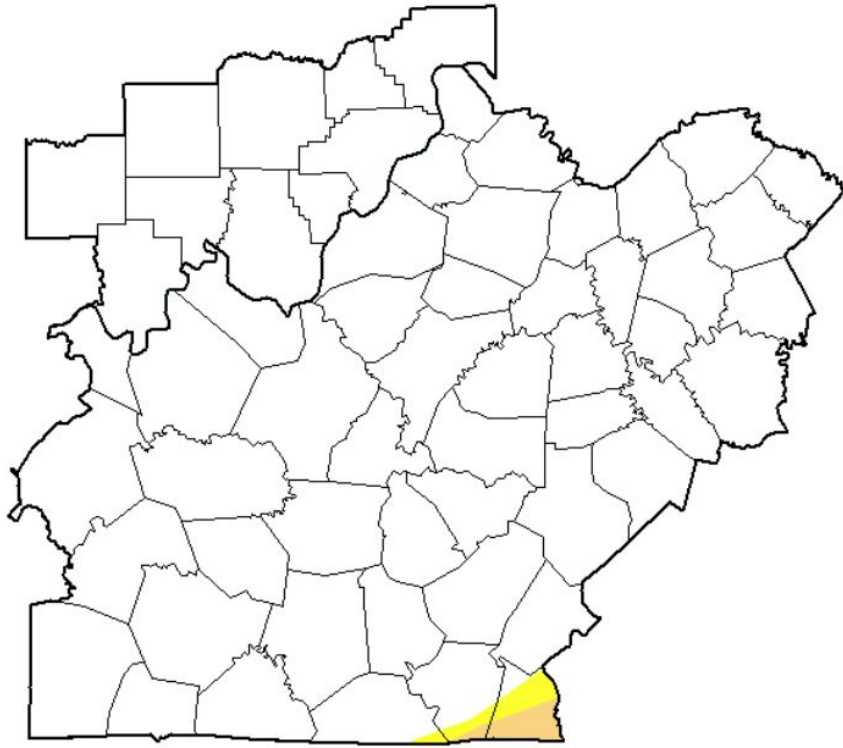
National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Louisville, KY

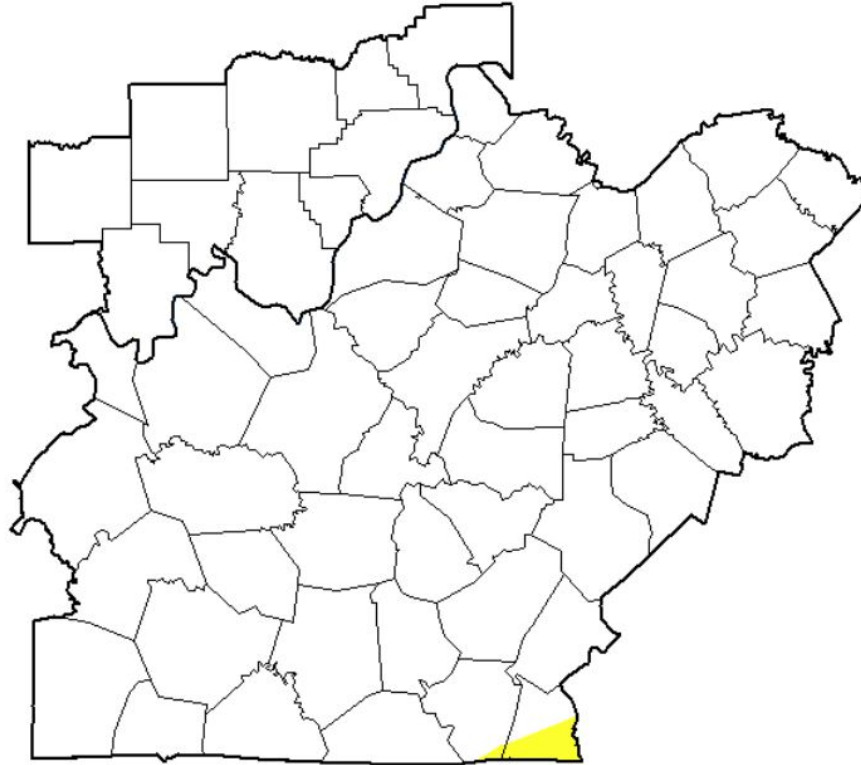


U.S. Drought Monitor Maps & Class Change

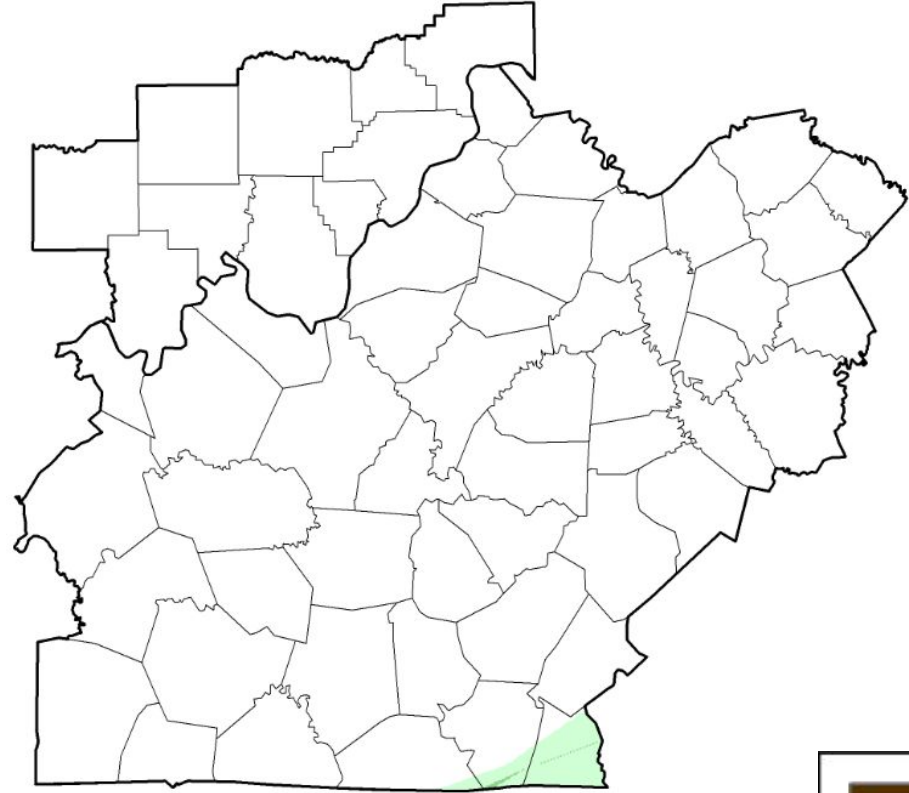
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December 3, 2024



December 31, 2024



Class change from
December 3 to
December 31

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

- 5 Class Degradation
- 4 Class Degradation
- 3 Class Degradation
- 2 Class Degradation
- 1 Class Degradation
- No Change
- 1 Class Improvement
- 2 Class Improvement
- 3 Class Improvement
- 4 Class Improvement
- 5 Class Improvement

Source: [USDM](#)



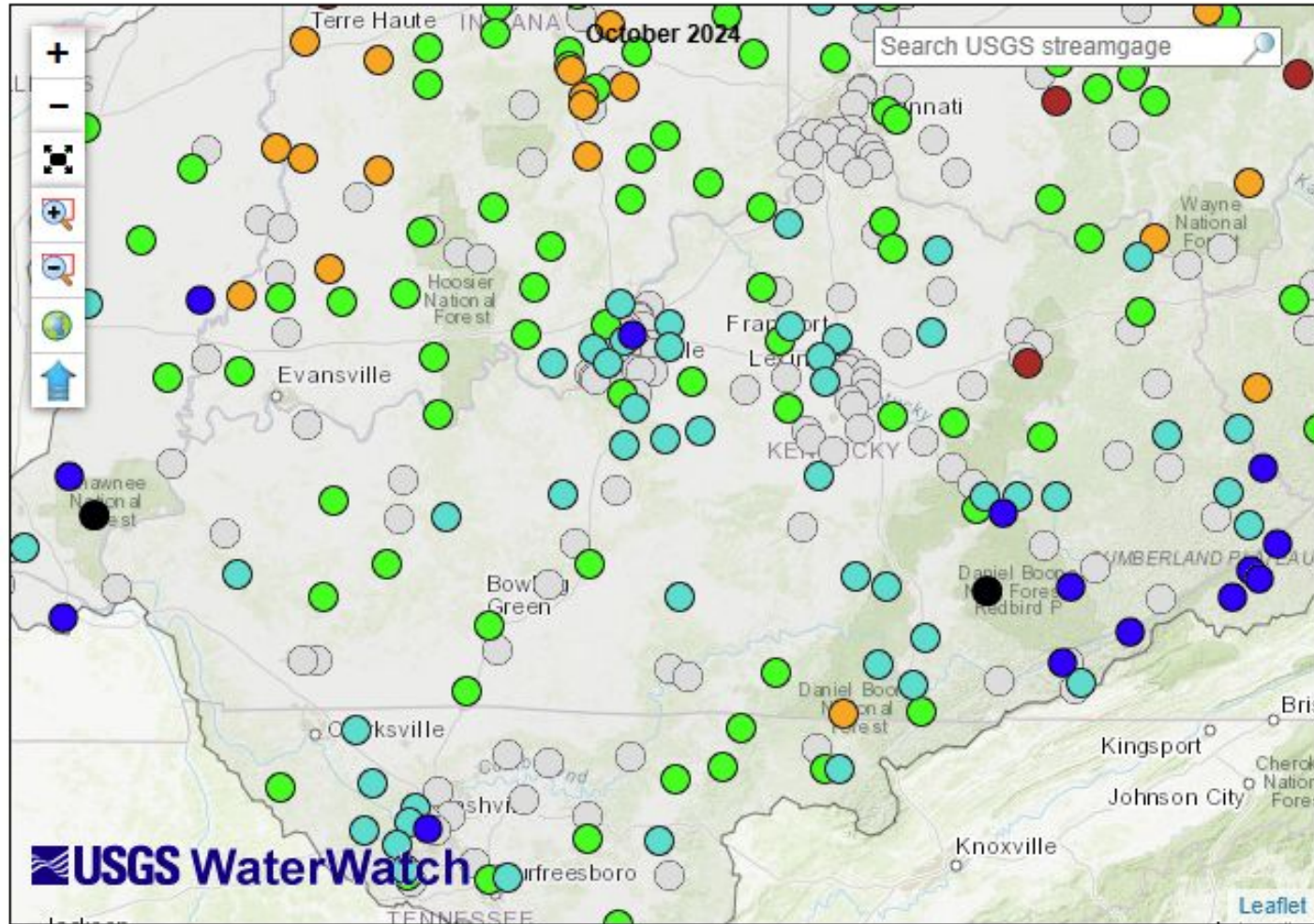


Monthly Streamflow Anomalies for the Ohio Valley

January 12, 2025
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October 2024

Map of monthly streamflow compared to historical streamflow for the month of the year



Source: [USGS](https://www.usgs.gov)

Water moving through the system from the remnants of Hurricane Helene in late September caused higher than normal streamflows early in the month. A lack of rain for the rest of October led to diminished streamflows but streams are normally low at this time of year, so even though streams lost water they generally ended up near normal. The dry weather did negatively affect some pastureland, however.

Explanation - Percentile classes							
Low	<10 Much below normal	10-24 Below normal	25-75 Normal	76-90 Above normal	>90 Much above normal	High	Not-ranked





CPC Monthly Outlook - January 2025

January 12, 2025
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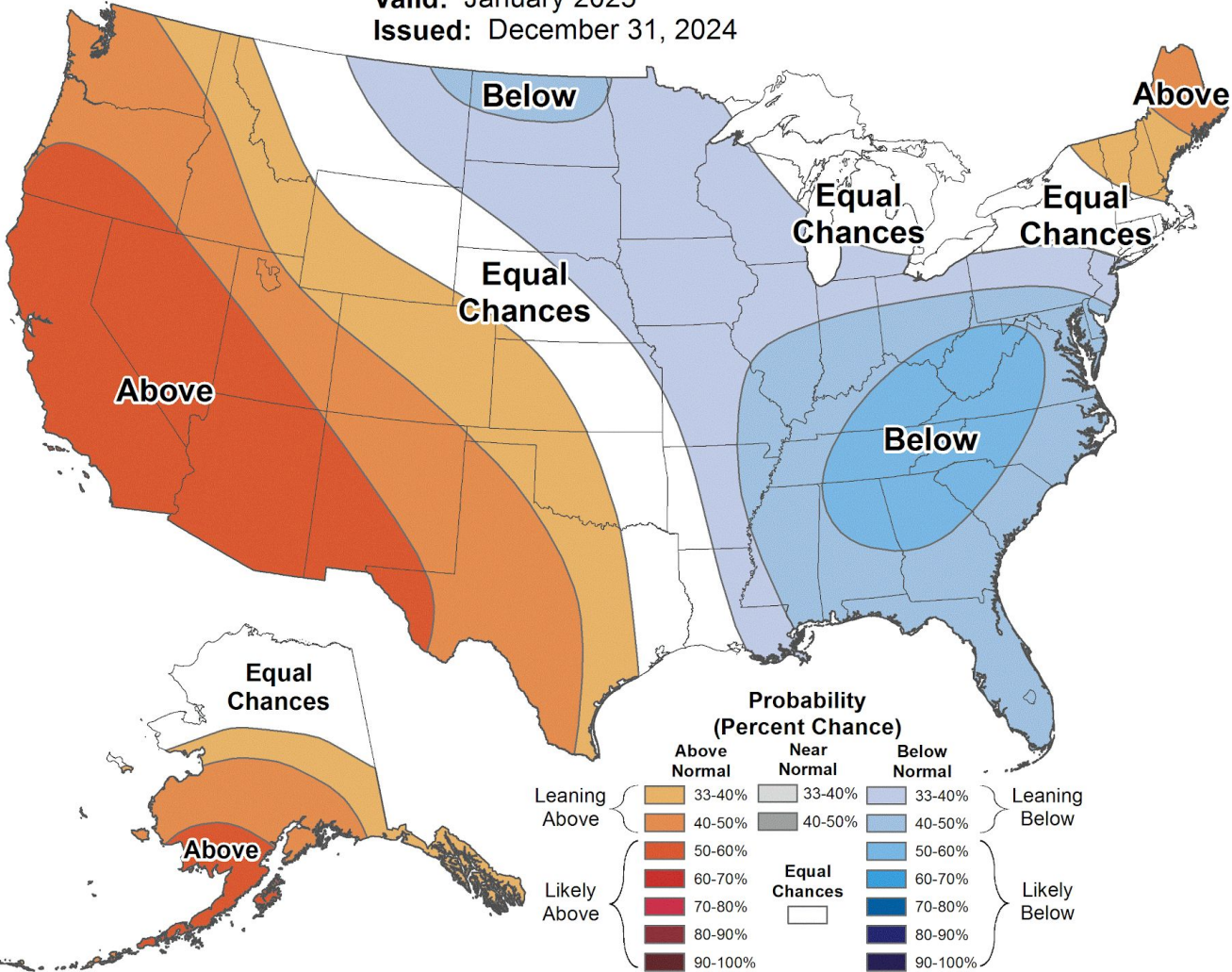
Repeated invasions of Canadian air should lead to an overall colder than normal month



Monthly Temperature Outlook



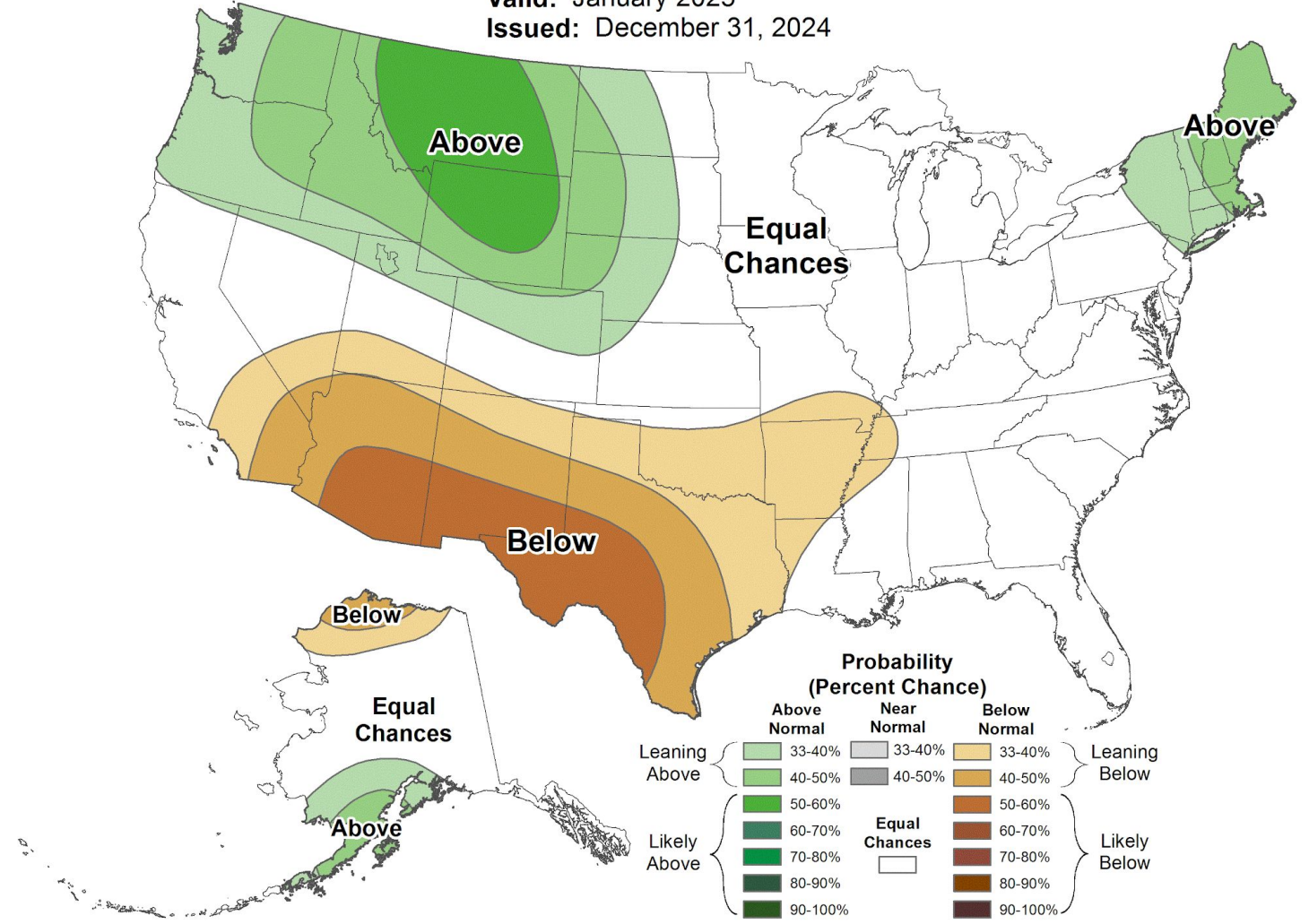
Valid: January 2025
Issued: December 31, 2024



Monthly Precipitation Outlook



Valid: January 2025
Issued: December 31, 2024



Source: [Climate Prediction Center, NOAA](https://www.cpc.ncep.noaa.gov)

