



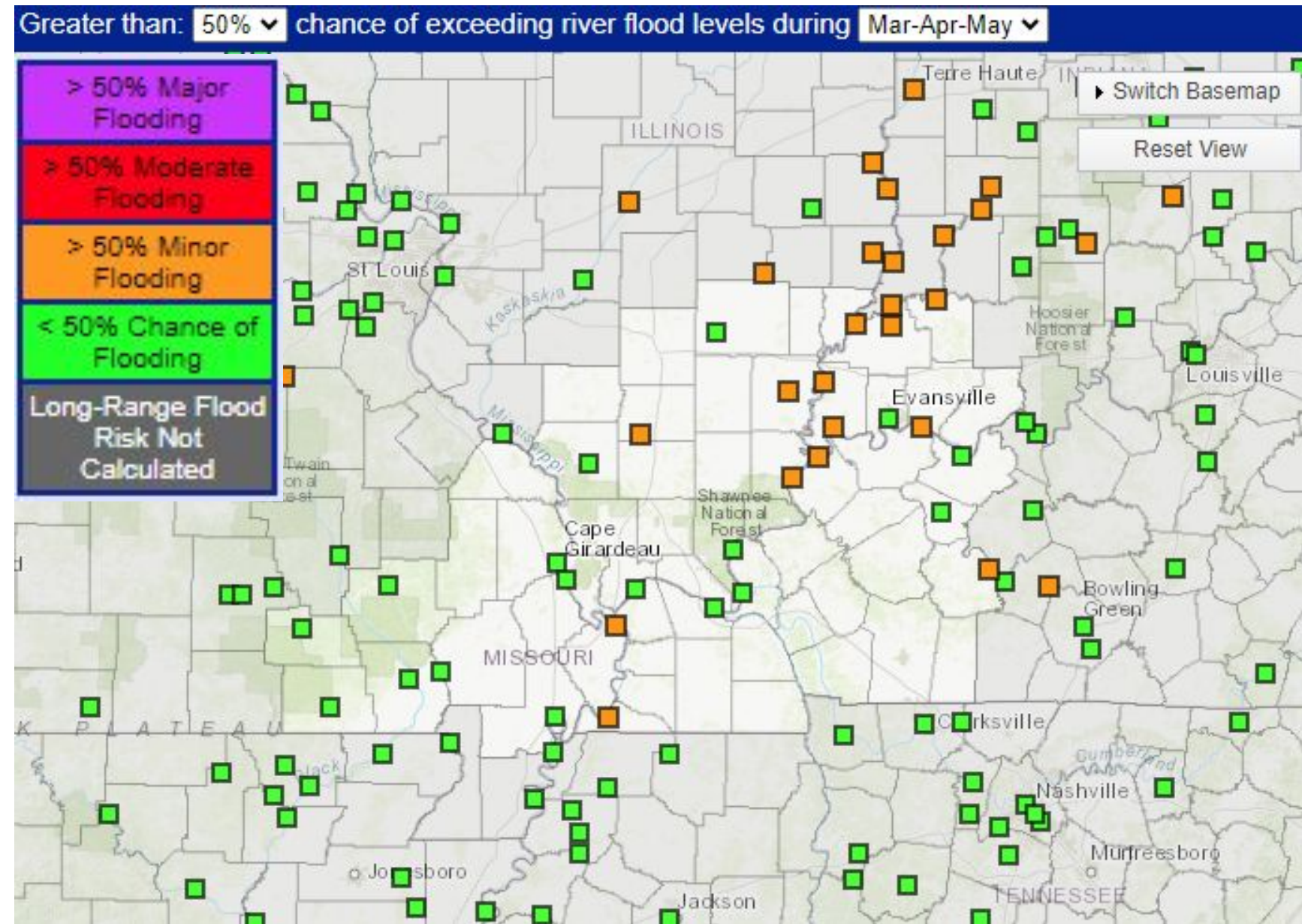
# Spring Flood Outlook

March 1, 2024  
12:00 PM

Second Issuance February 29, 2024

## Key Messages

- Normal to below normal flood potential
- Minor flooding is expected (50% chance or greater)
- Moderate flooding is possible (25% chance or greater) - parts of southern Illinois and southwest Indiana
- No strong signal for a wet or dry pattern through March
- April and May show signals for warmer and wetter than normal
- Rainfall/thunderstorms will be the primary cause for spring flooding.





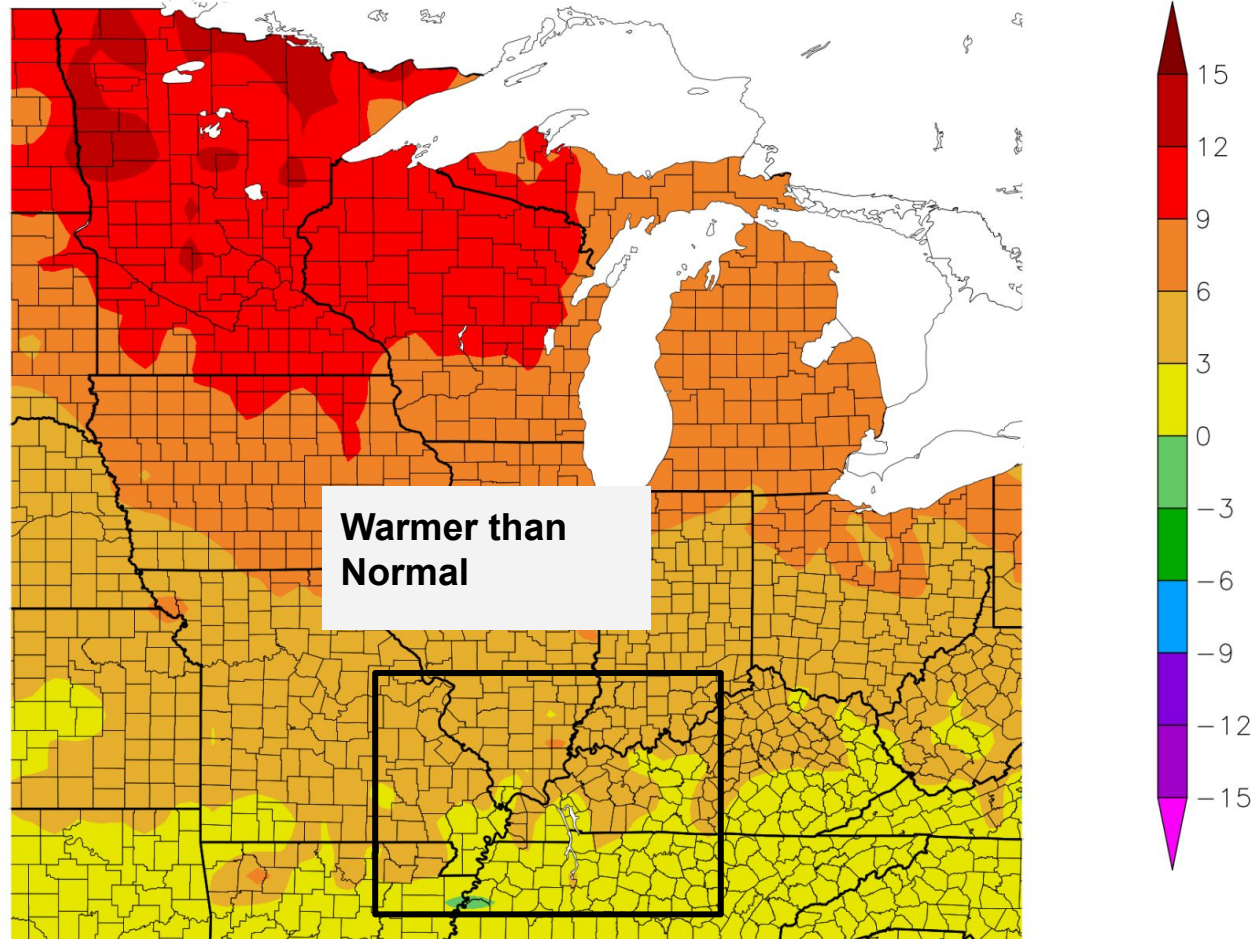


# 90 Day Departures from Normal

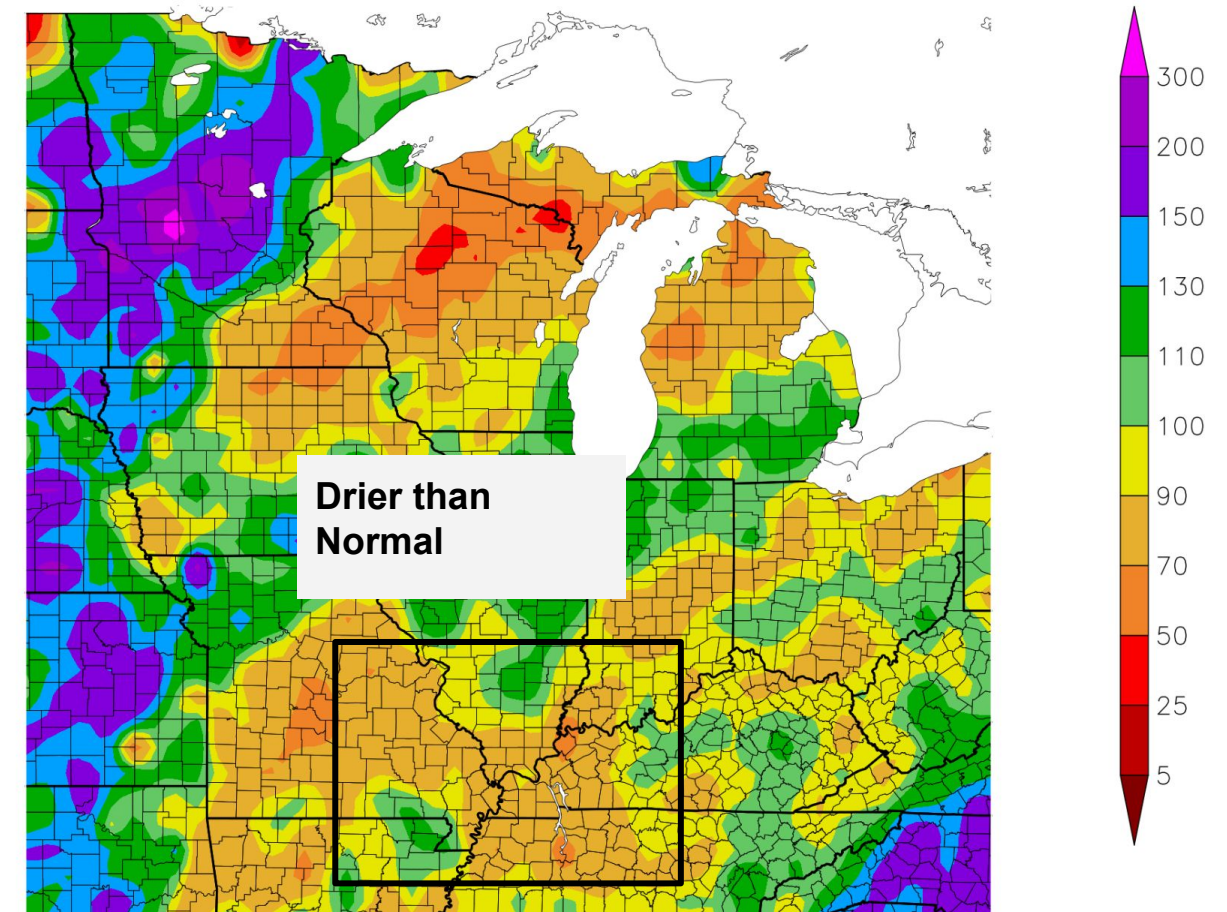
March 1, 2024  
12:00 PM

## Temperature and Precipitation

Departure from Normal Temperature (F)  
12/2/2023 – 2/29/2024



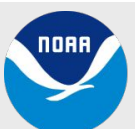
Percent of Normal Precipitation (%)  
12/2/2023 – 2/29/2024



Generated 3/1/2024 at HPRCC using provisional data.

NOAA Regional Climate Centers ated 3/1/2024 at HPRCC using provisional data.

NOAA Regional Climate Centers



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

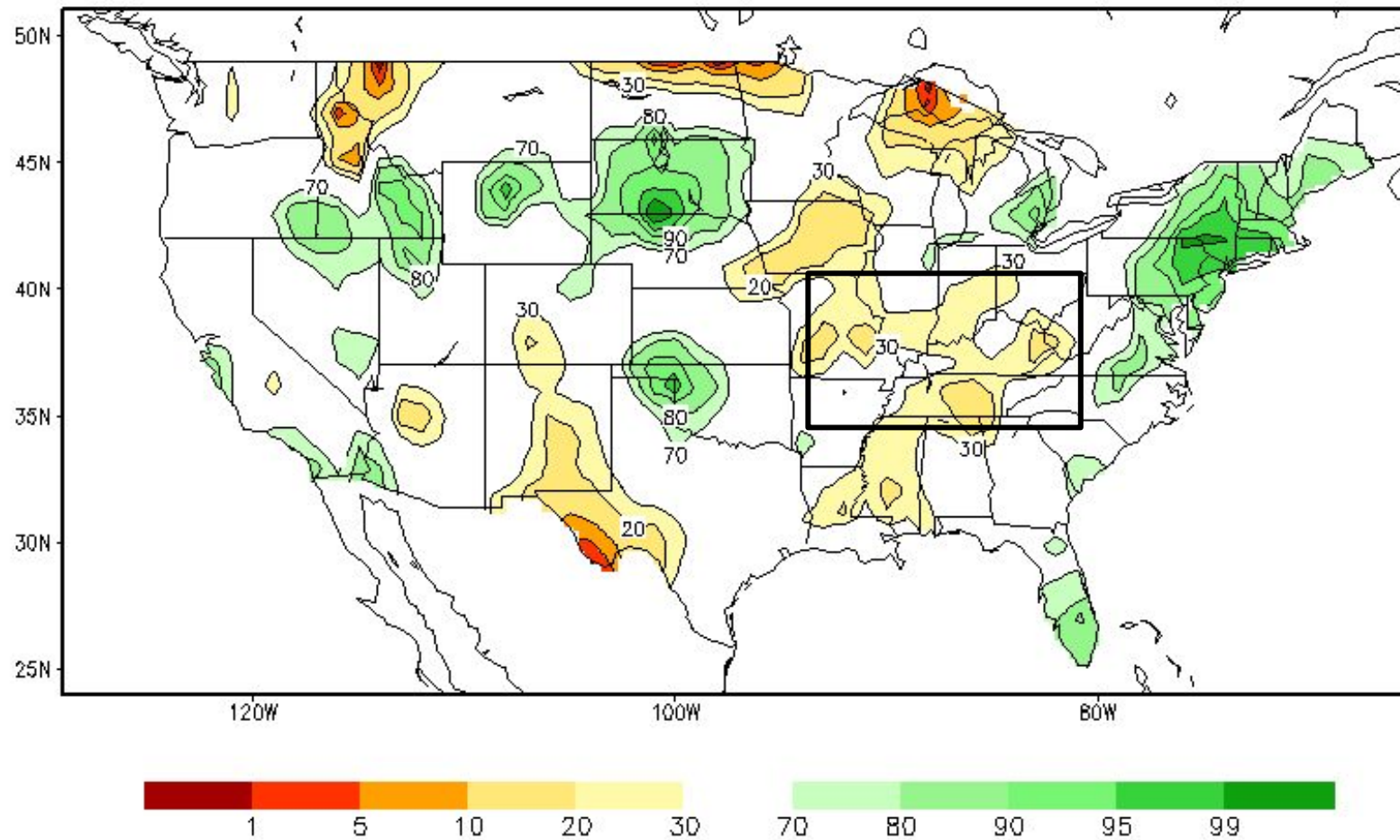
National Weather Service  
Paducah, KY



# Soil Moisture

March 1, 2024  
12:00 PM

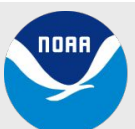
Calculated Soil Moisture Ranking Percentile  
FEB, 2024



Slightly dry but improving from drought conditions last Fall.

Deeper moisture is rebounding as well.

We are drier than this time last year.



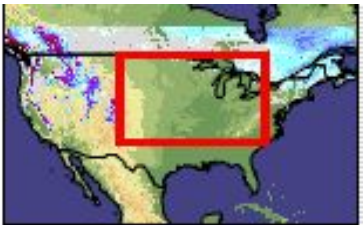
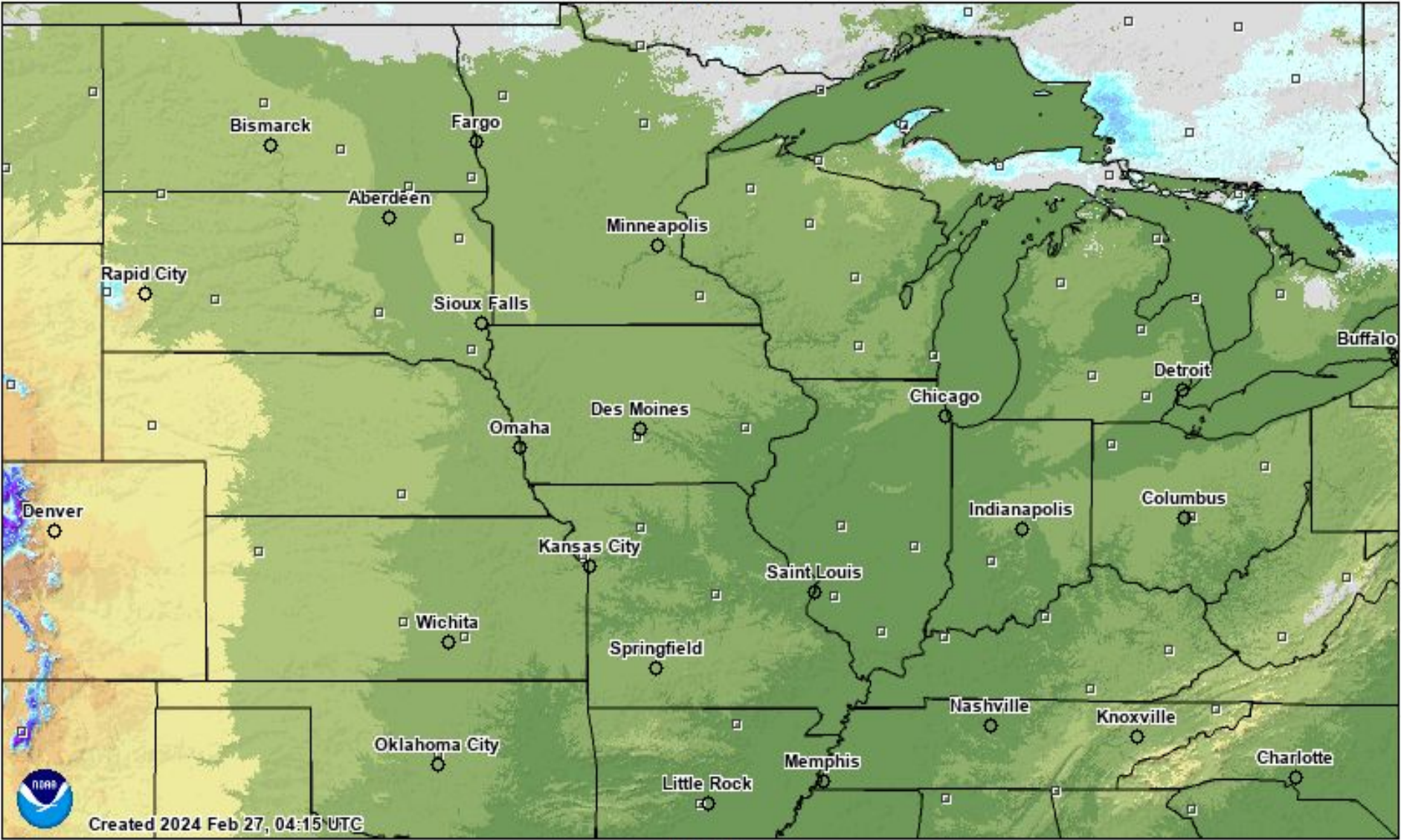




# Snowpack and Snow Water Equivalent

March 1, 2024  
12:00 PM

Modeled Snow Water Equivalent for 2024 February 26, 19:00 UTC  
1217 mi

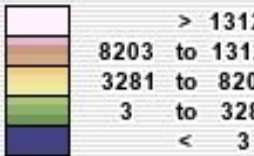


Inches of water equivalent



Not Estimated

Elevation in feet



There is currently no snow or ice across our region.

There is currently no snowpack that will contribute to spring flooding.





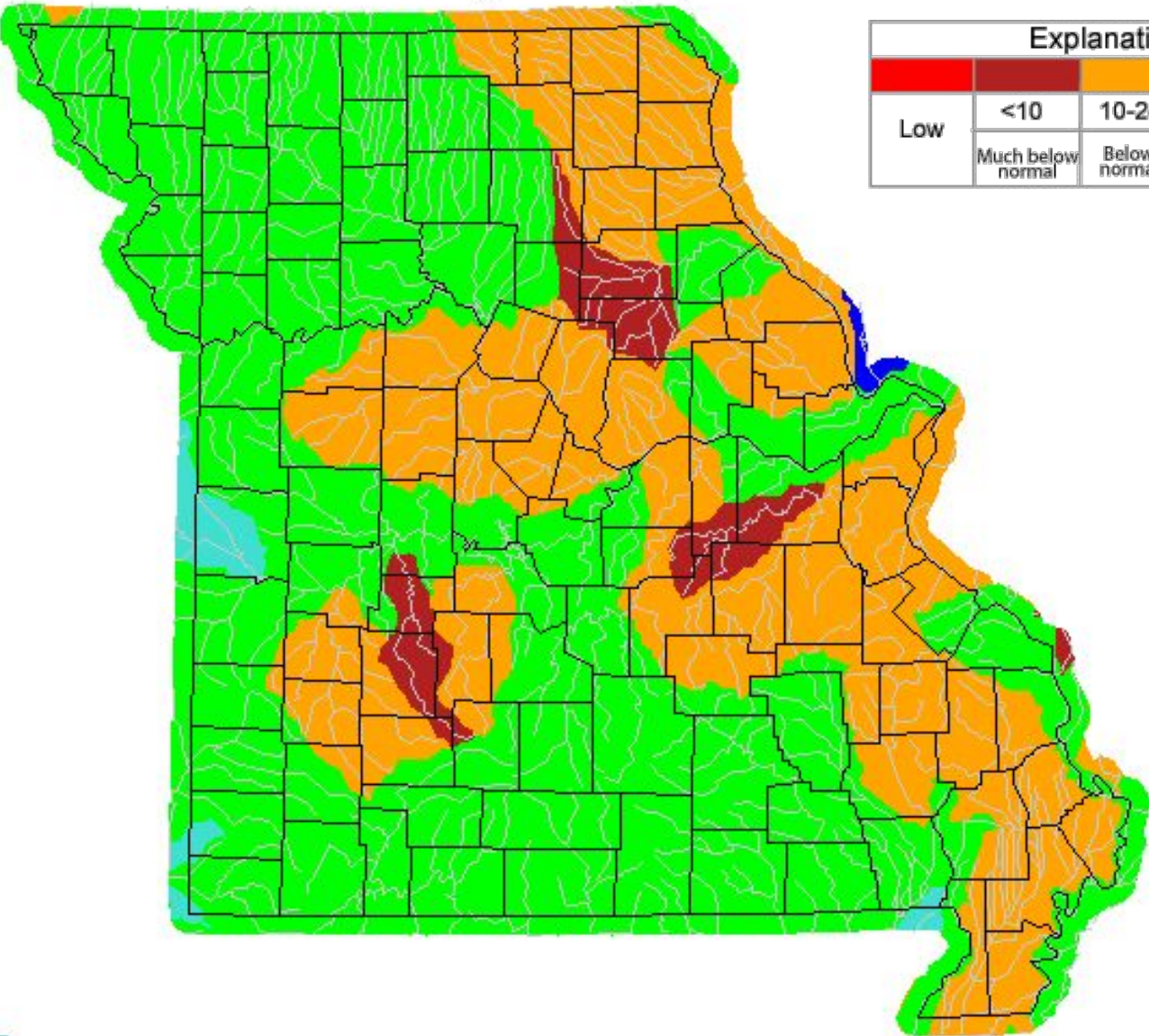


# Current Streamflow

Missouri and Illinois

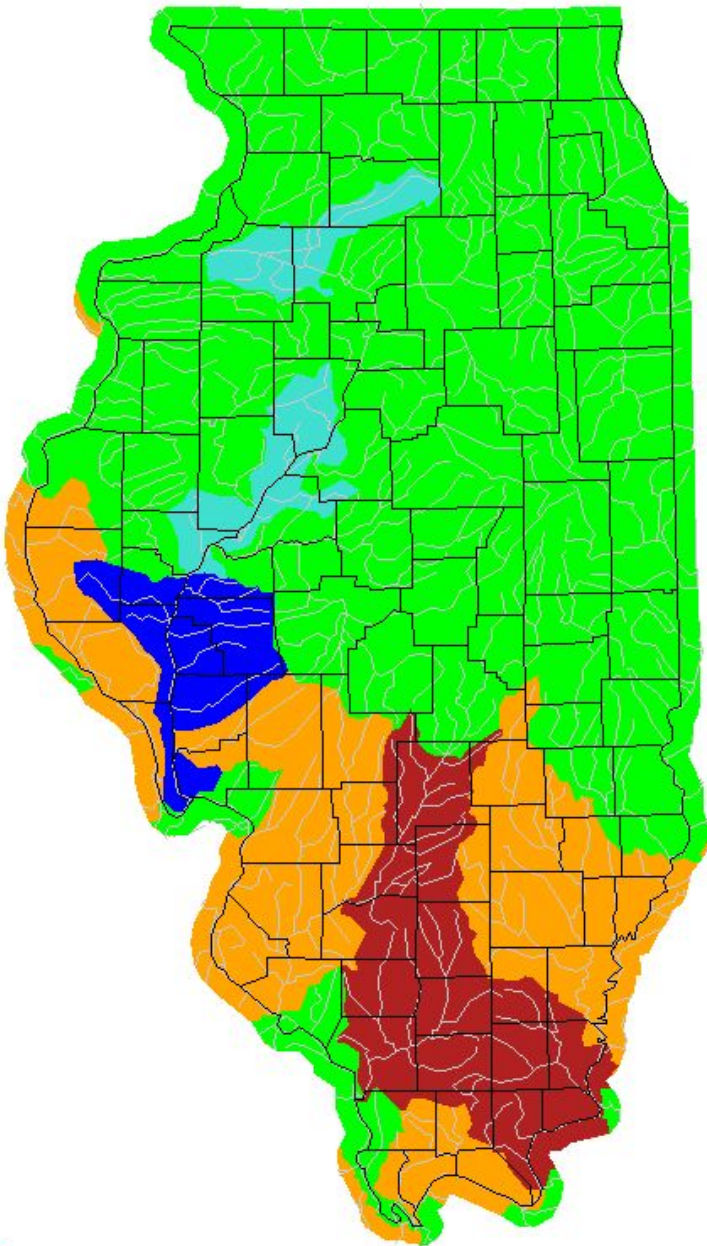
March 1, 2024  
12:00 PM

Thursday, February 29, 2024



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		

Thursday, February 29, 2024







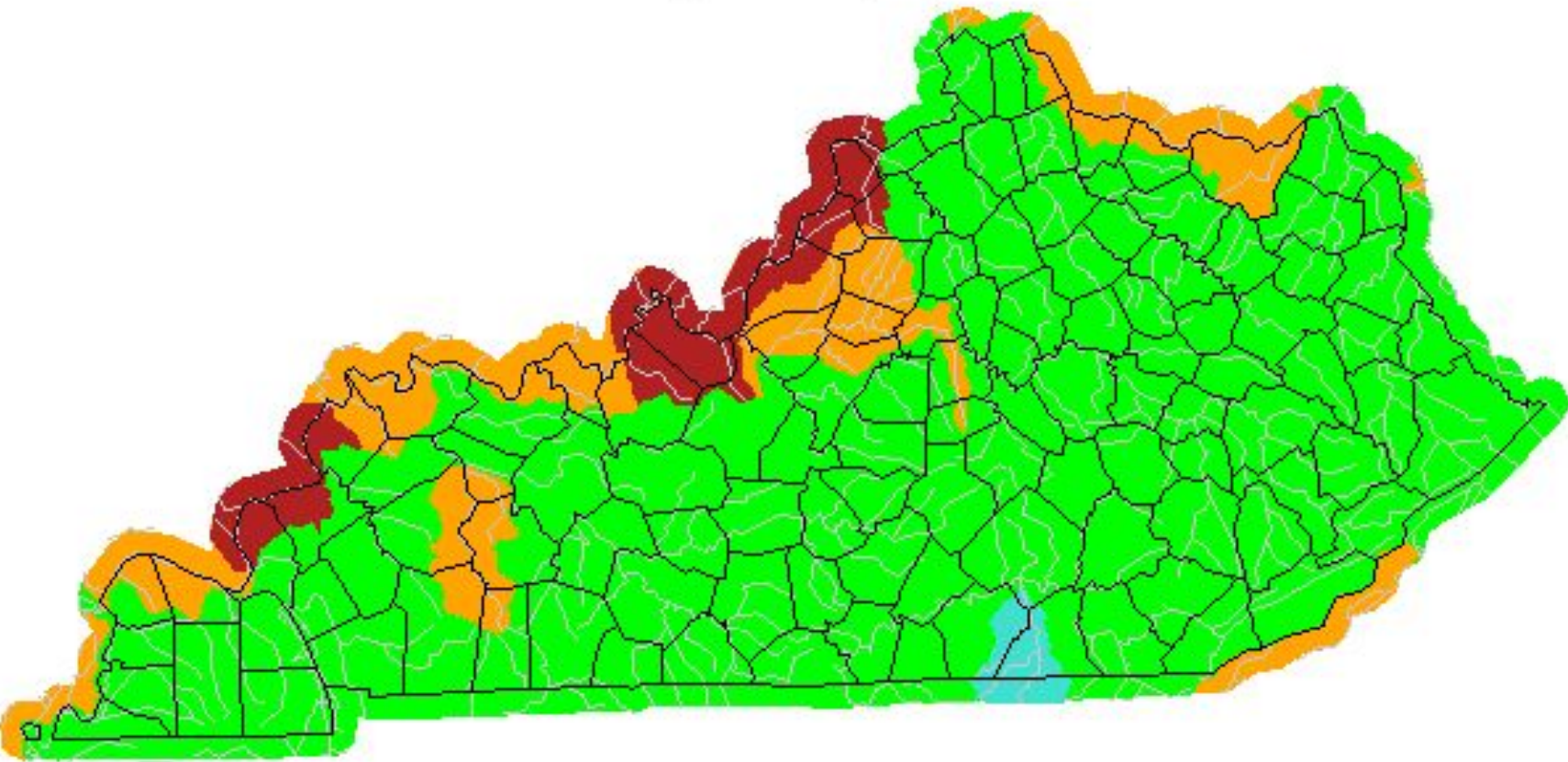
# Current Streamflow

Kentucky and Indiana

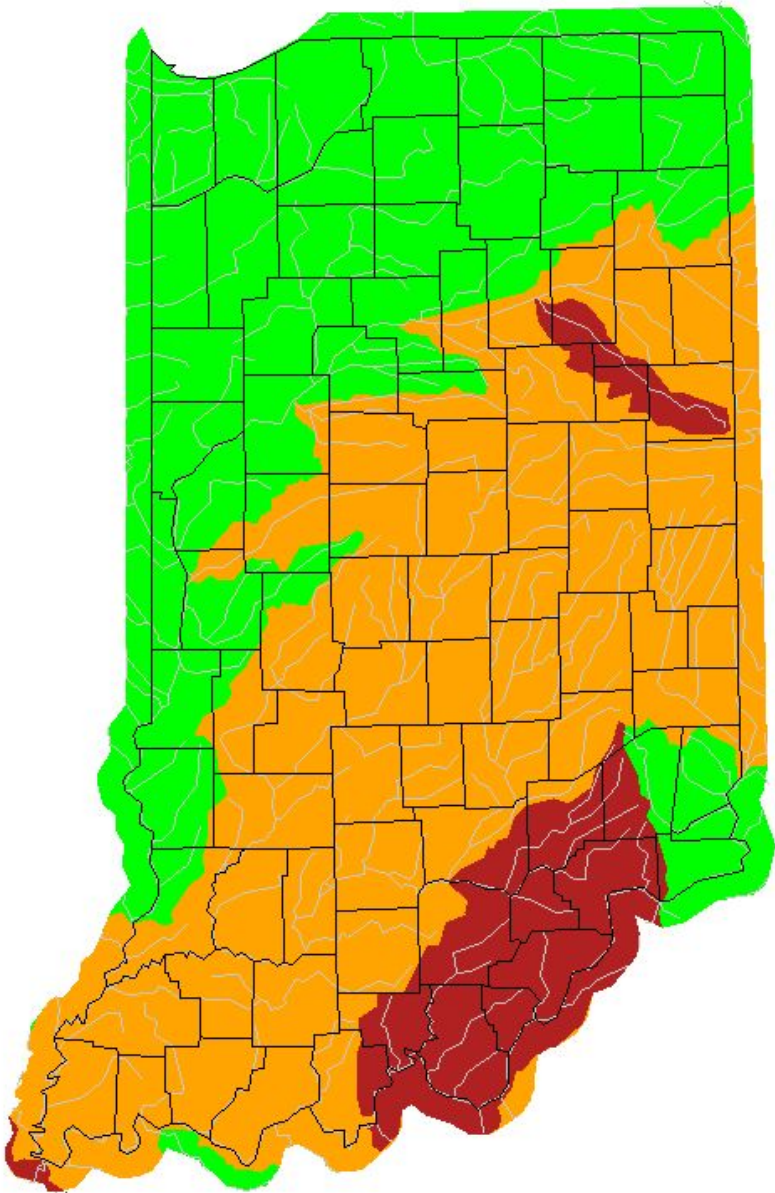
March 1, 2024  
12:00 PM

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		

Thursday, February 29, 2024



Thursday, February 29, 2024



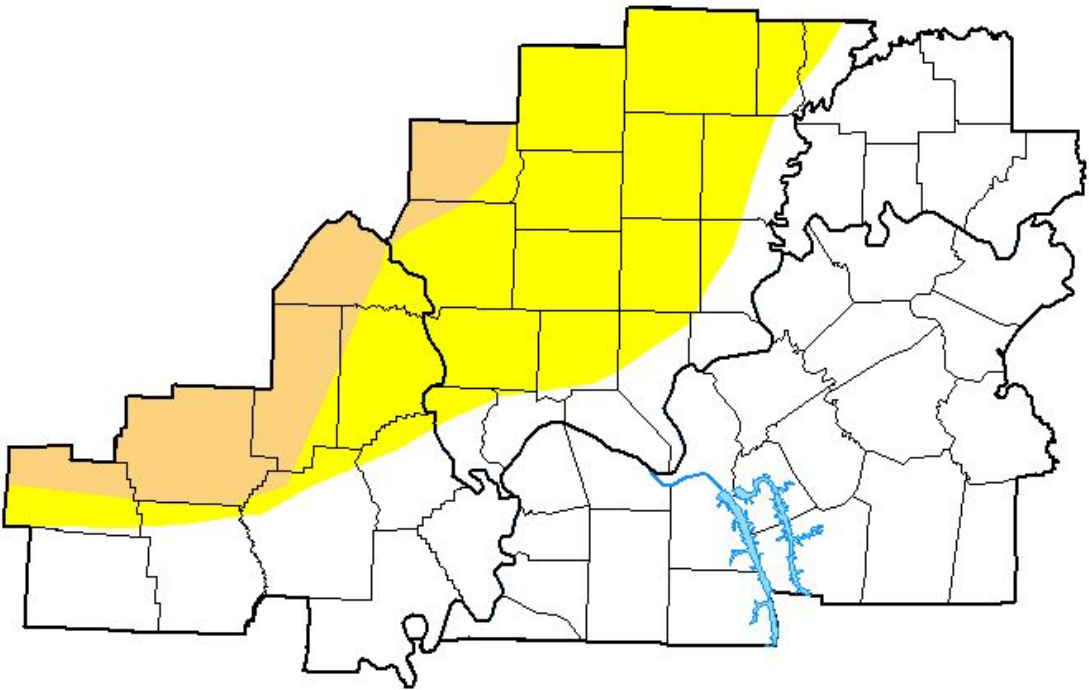


# Current Drought Conditions

March 1, 2024  
12:00 PM

## U.S. Drought Monitor Paducah, KY WFO

February 27, 2024  
(Released Thursday, Feb. 29, 2024)  
Valid 7 a.m. EST



- Intensity:
- None
  - D0 Abnormally Dry
  - D1 Moderate Drought
  - D2 Severe Drought
  - D3 Extreme 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:  
Richard Heim  
NCEI/NOAA



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

Moderate drought is returning to the far northwest counties.

Abnormally Dry conditions continue to expand to the southeast.

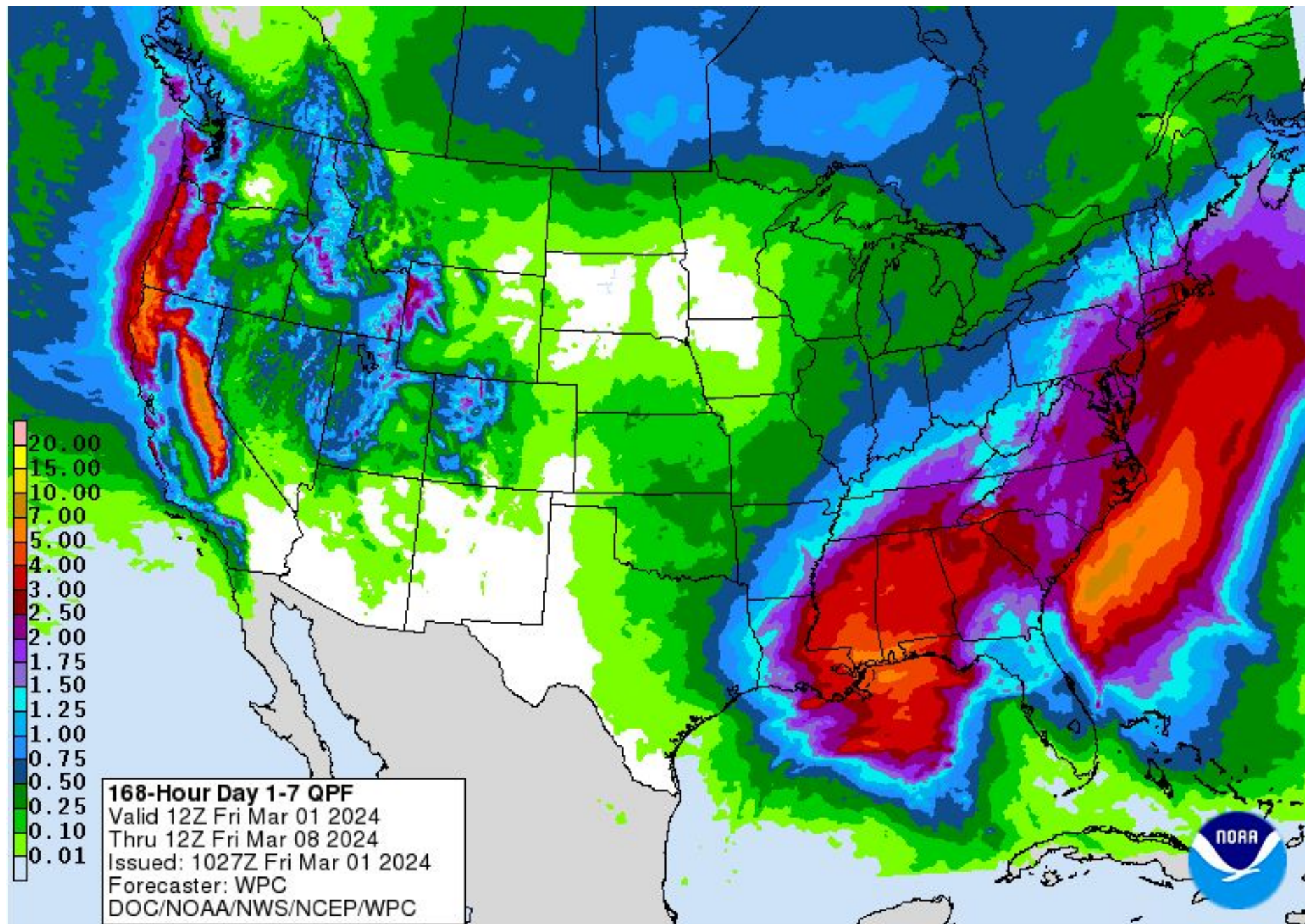






# 7 Day Rainfall Forecast

March 1, 2024  
12:00 PM



Rain amounts from  $\frac{3}{4}$  inch up to  $1\frac{1}{2}$  inches is possible over the next week. Heaviest rain will remain along the Gulf Coast states.







# 8 to 14 Day Forecast

March 1, 2024  
12:00 PM

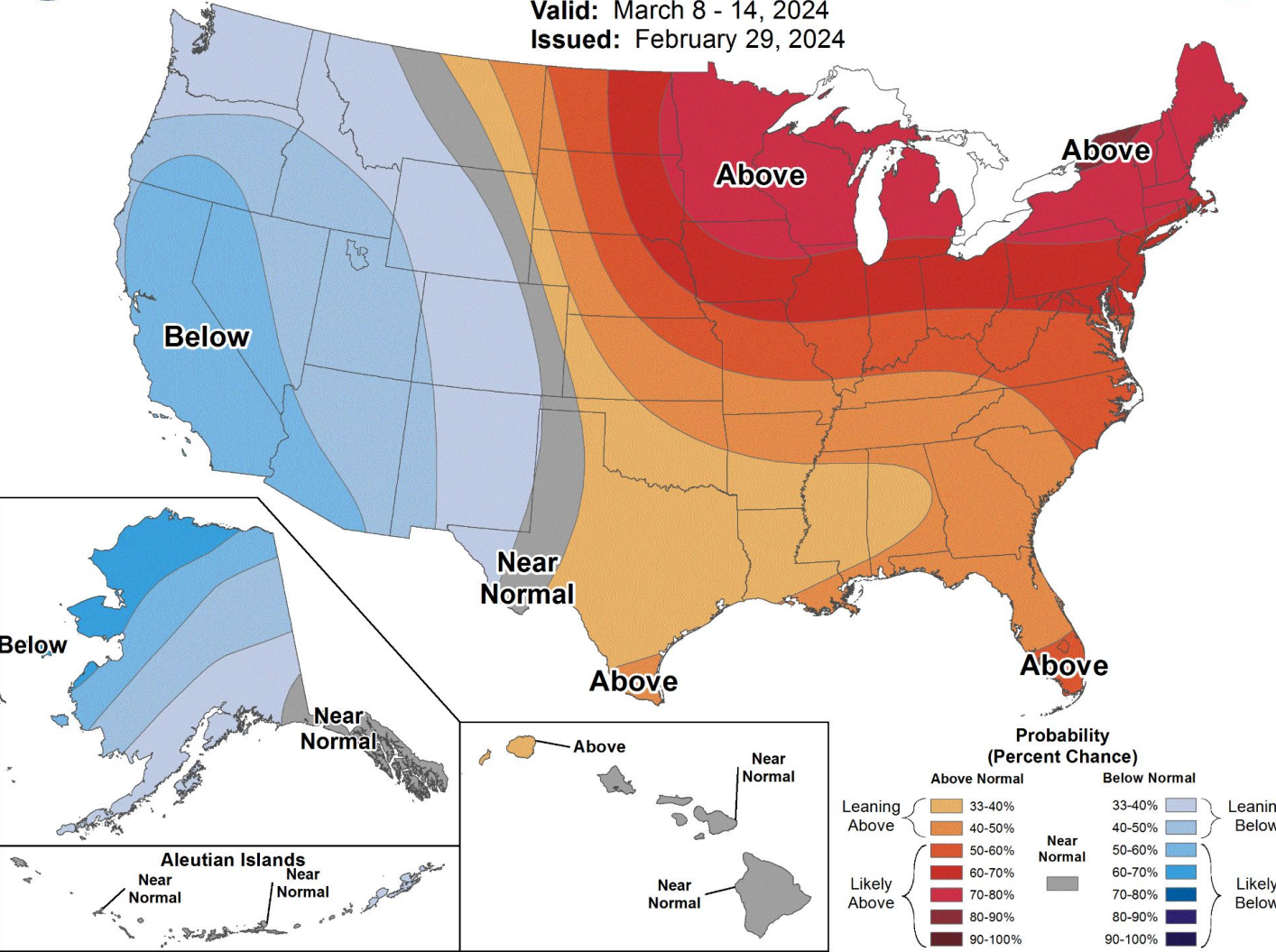
February 22 - 28, 2024



## 8-14 Day Temperature Outlook



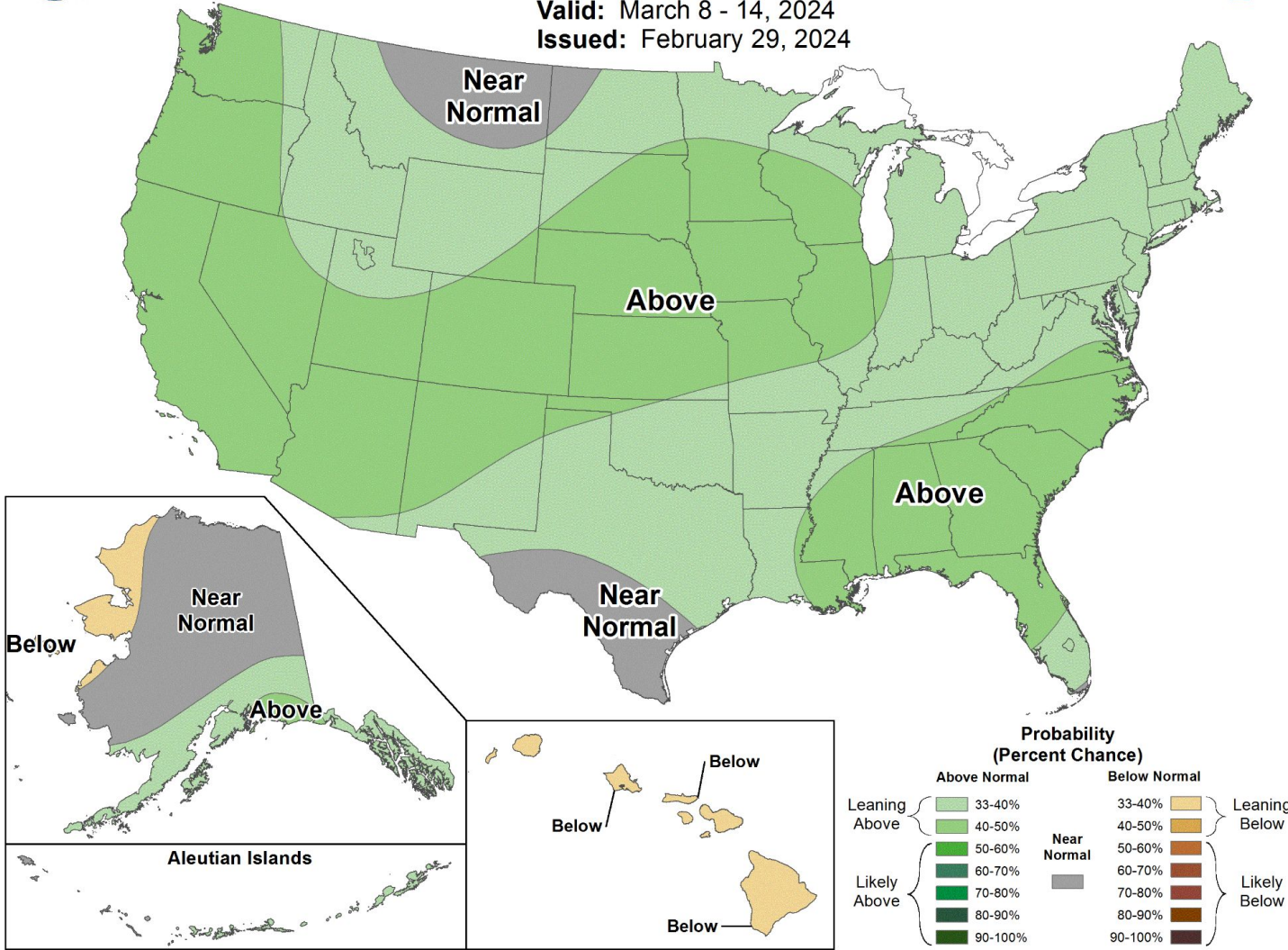
Valid: March 8 - 14, 2024  
Issued: February 29, 2024



## 8-14 Day Precipitation Outlook



Valid: March 8 - 14, 2024  
Issued: February 29, 2024







# March Outlook

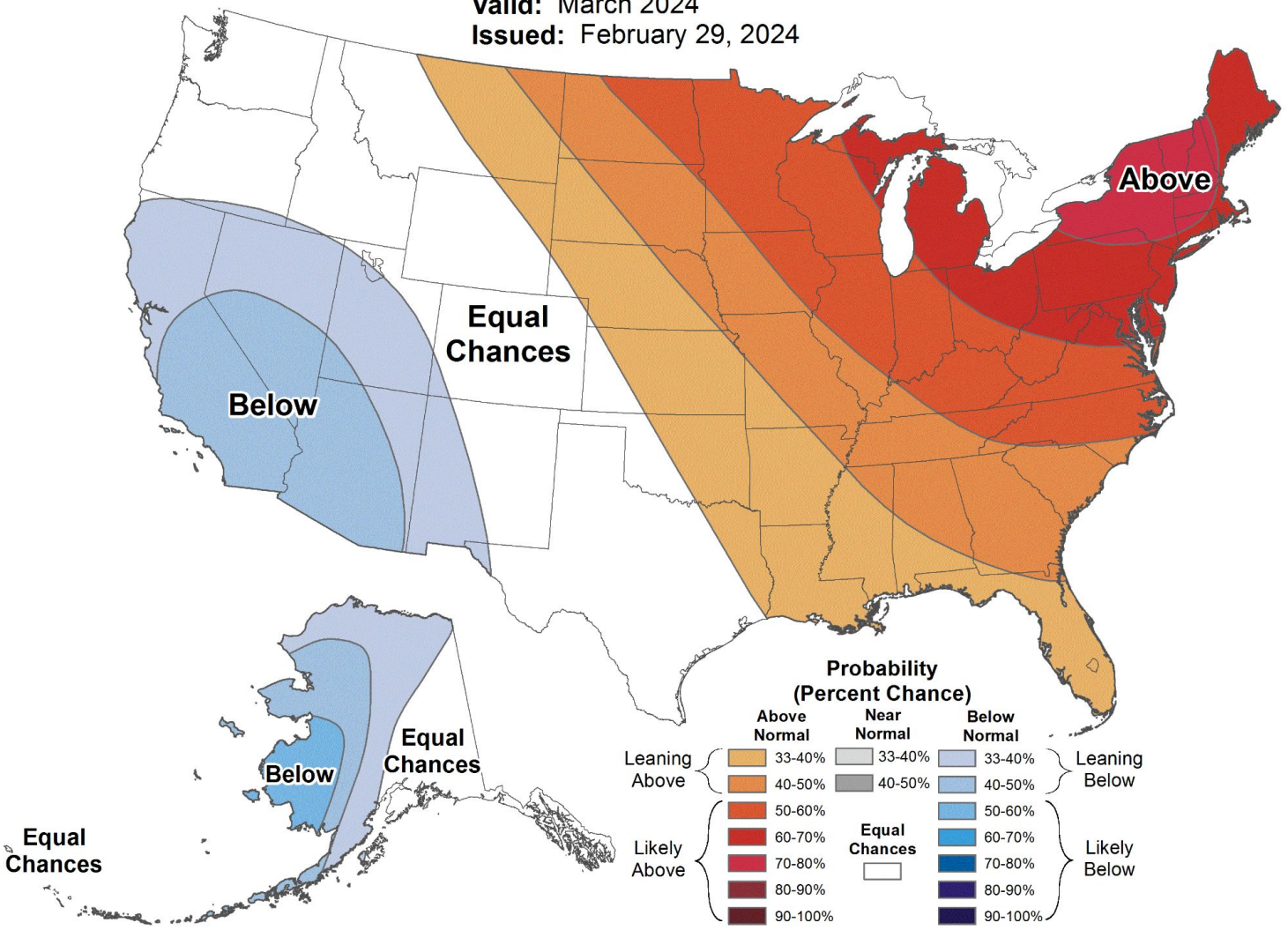
March 1, 2024  
12:00 PM



## Monthly Temperature Outlook



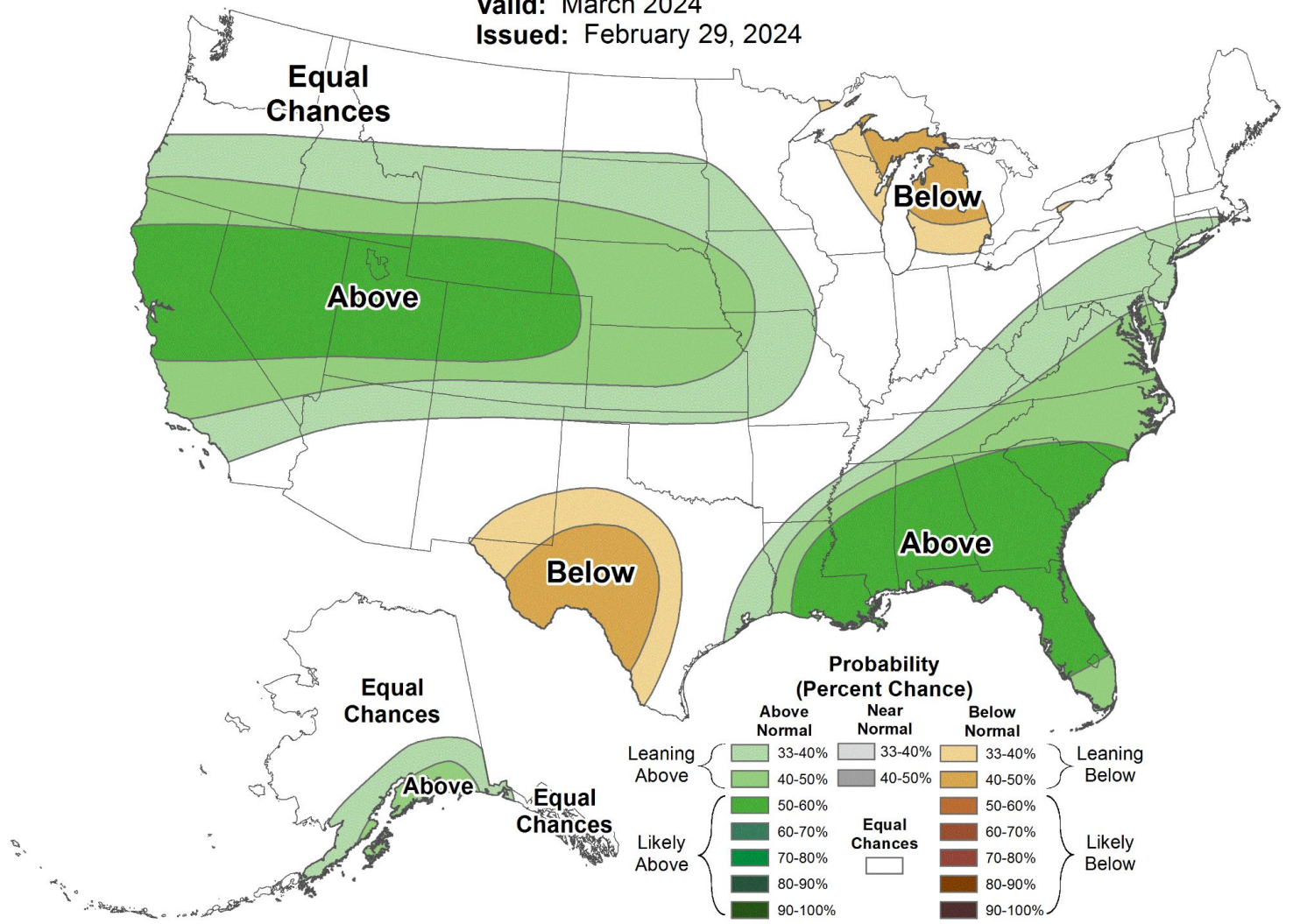
Valid: March 2024  
Issued: February 29, 2024



## Monthly Precipitation Outlook



Valid: March 2024  
Issued: February 29, 2024







# Seasonal Outlook

March 1, 2024  
12:00 PM

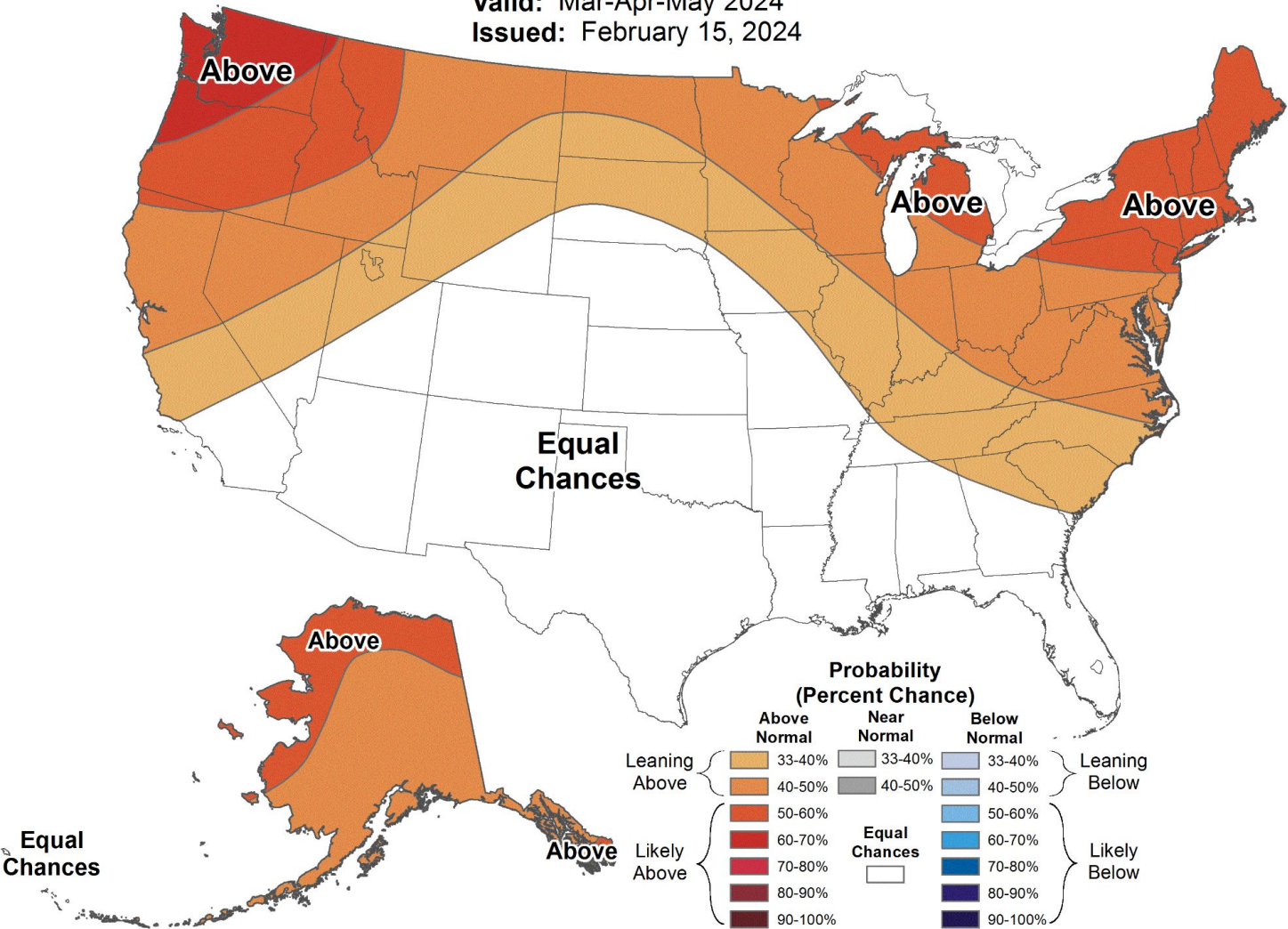
March - May 2024



## Seasonal Temperature Outlook



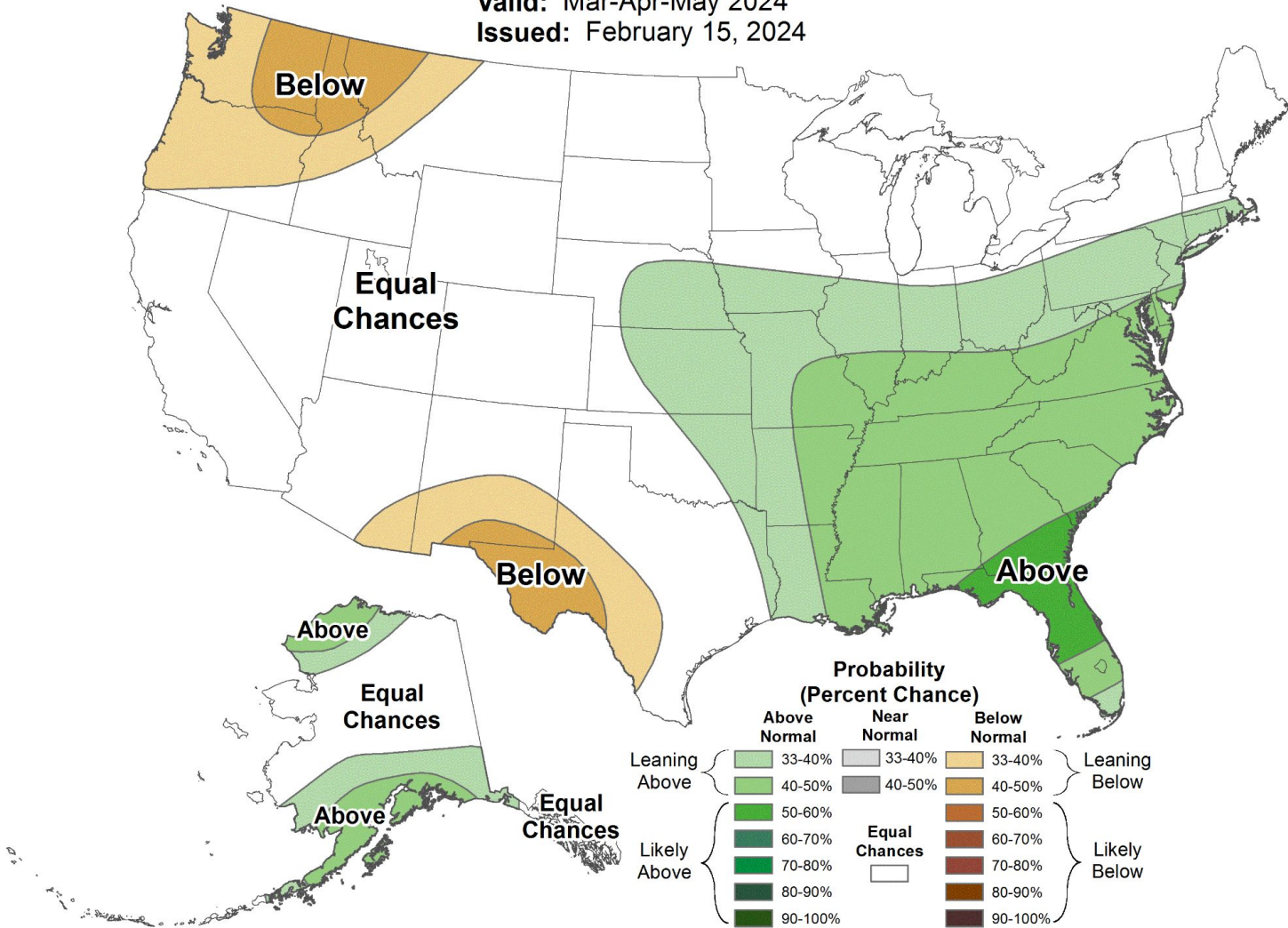
Valid: Mar-Apr-May 2024  
Issued: February 15, 2024



## Seasonal Precipitation Outlook



Valid: Mar-Apr-May 2024  
Issued: February 15, 2024







## Summary

- Normal to below normal flood potential
- Minor flooding is expected to occur; isolated moderate flooding is possible
- Heavy rainfall/thunderstorms will be the driving force for any flooding this spring