



Spring Flood Update

March 23, 2023
1:00 PM

Potential for flooding this spring is increasing

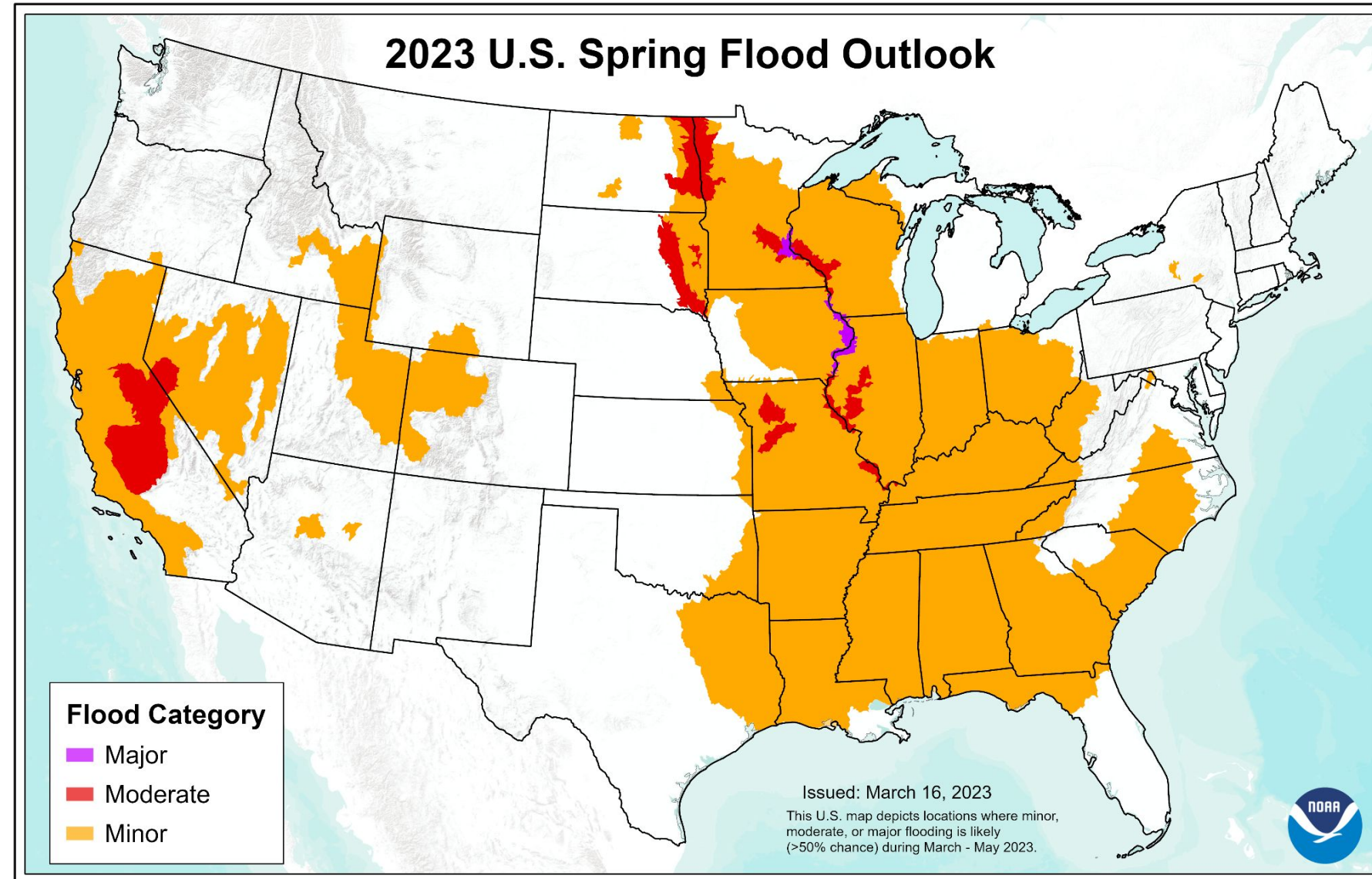
Bottom Line Up Front

- The potential for flooding this spring is increasing across our region.
- The potential for flooding in the Mississippi River Basin is increasing.

NEW

What Has Changed

- Increased snowpack in the northern Mississippi River Basin
- Increased soil moisture across our region
- Active weather pattern



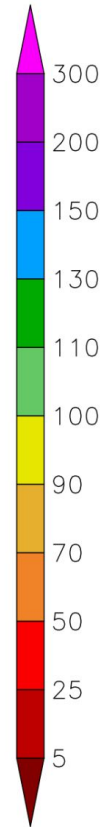
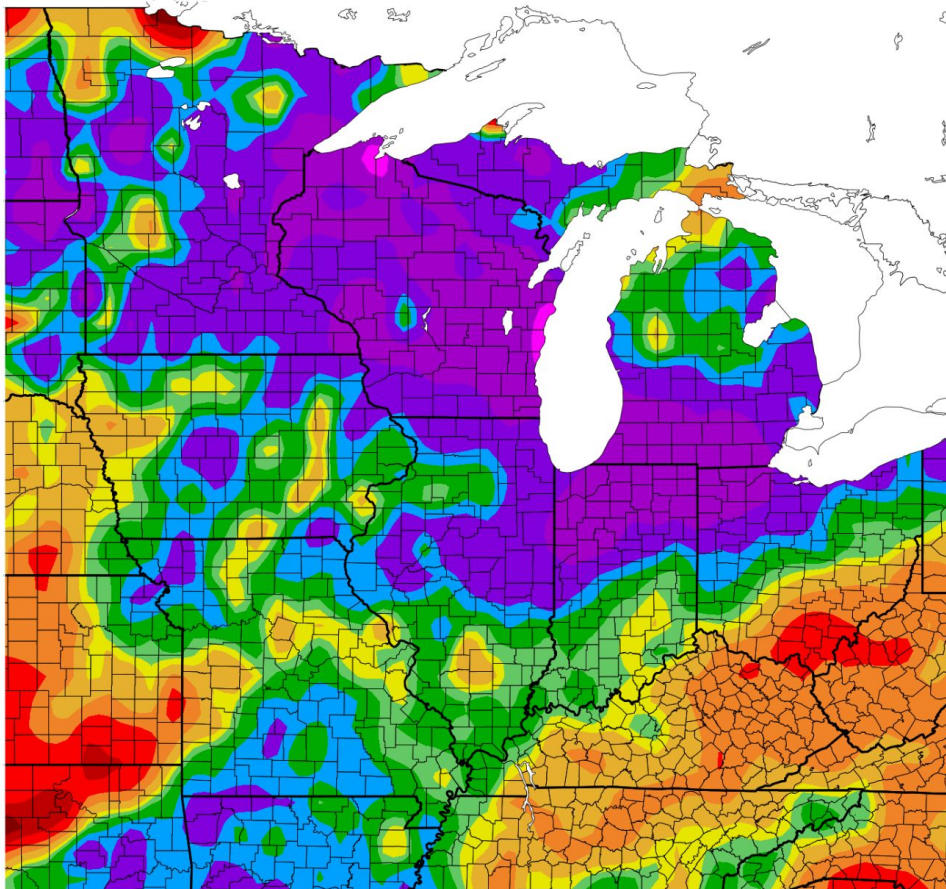


Percent of Normal Precipitation

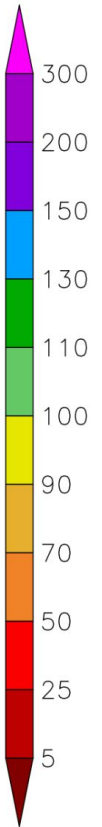
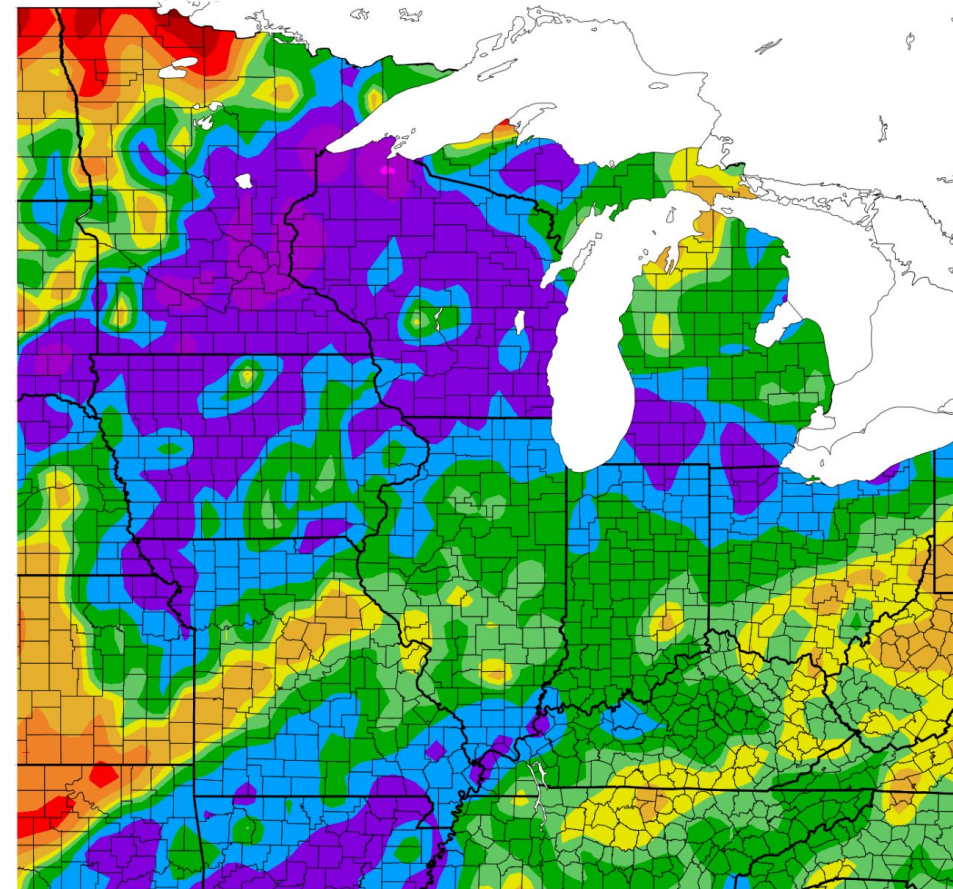
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A lot of the area has had above normal precipitation since the beginning of the year

Percent of Normal Precipitation (%)
2/20/2023 – 3/21/2023



Percent of Normal Precipitation (%)
1/1/2023 – 3/21/2023



Generated 3/22/2023 at HPRCC using provisional data.

NOAA Regional Climate Centers Generated 3/22/2023 at HPRCC using provisional data.

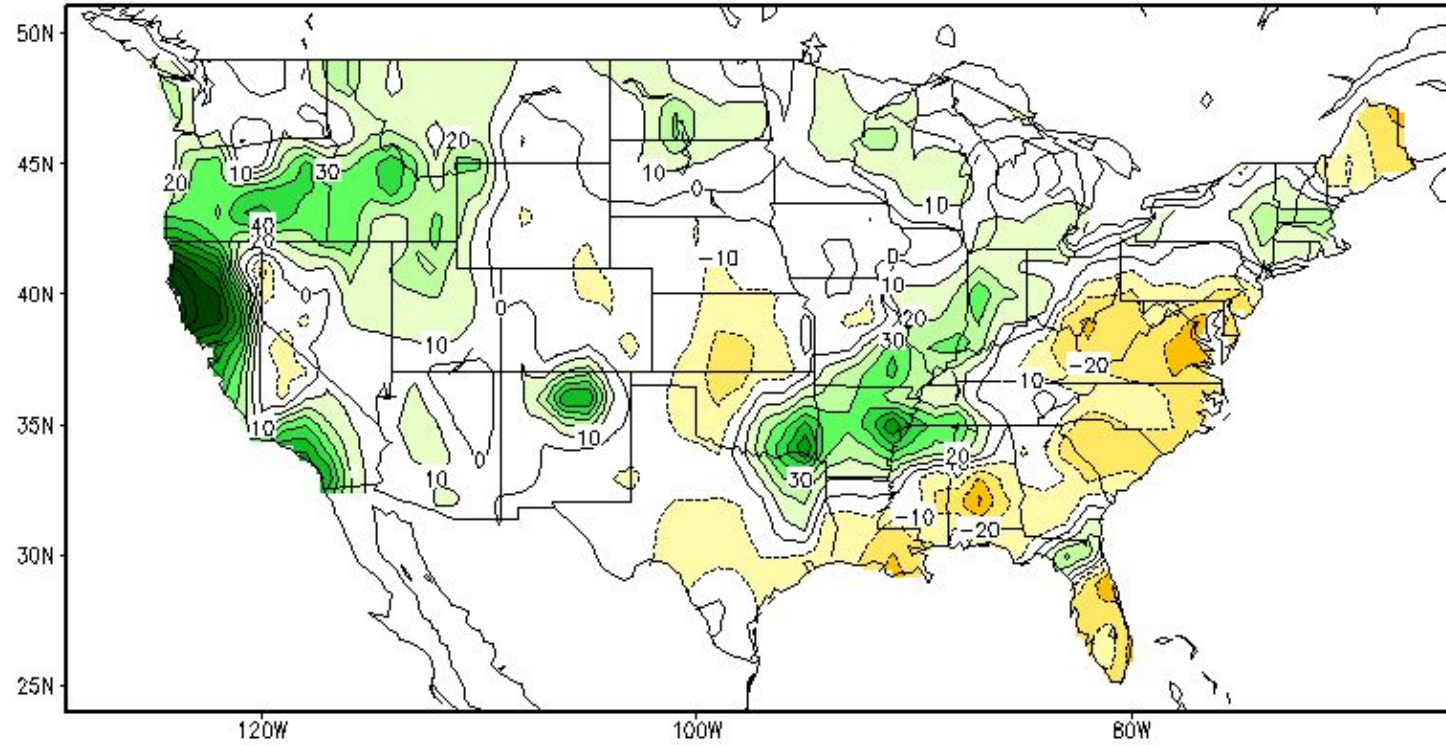
NOAA Regional Climate Centers



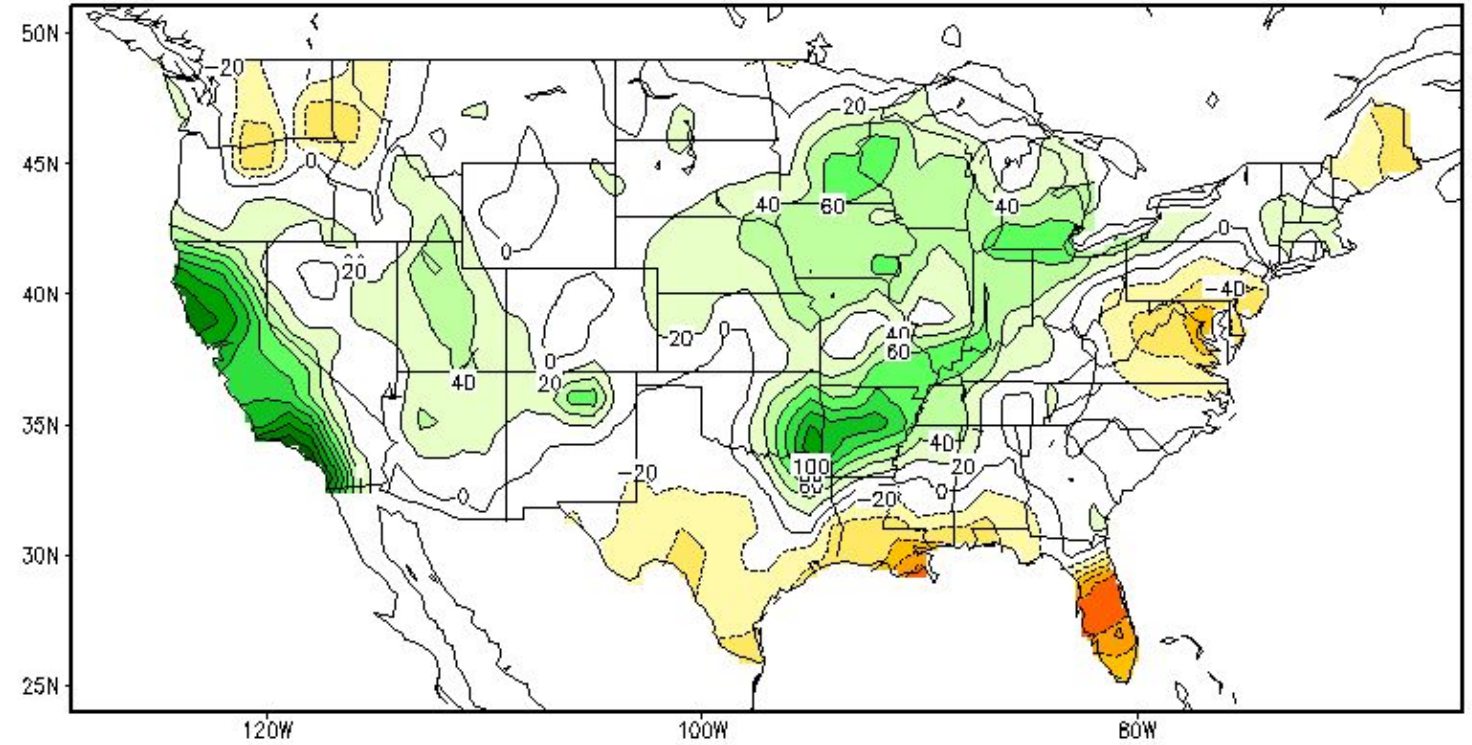
Increasing Soil Moisture

March 23, 2023
1:00 PM

Calculated Soil Moisture Anomaly Change
MAR 21, 2023 from FEB.28



Calculated Soil Moisture Anomaly Change
MAR 21, 2023 from DEC.31

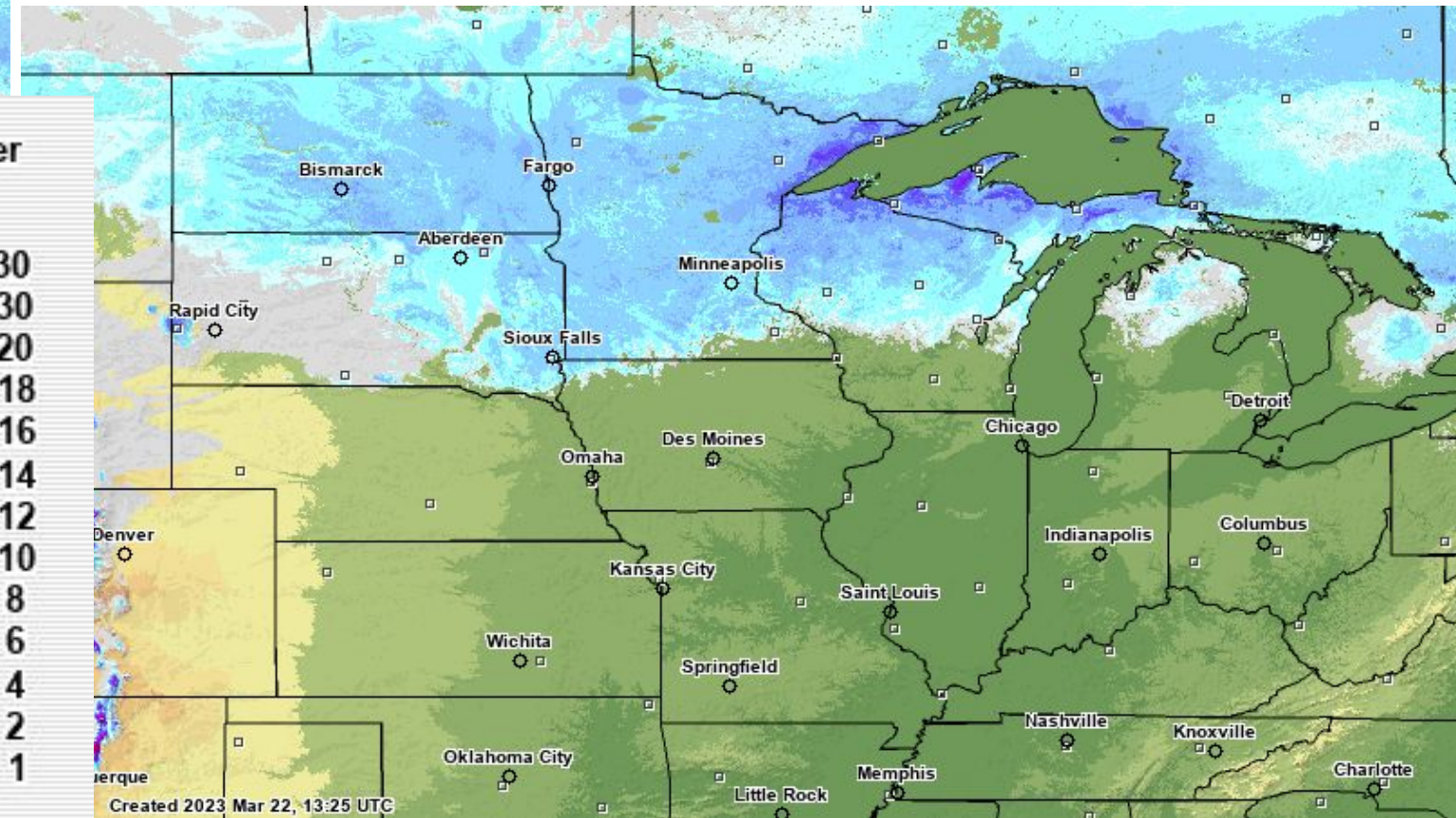
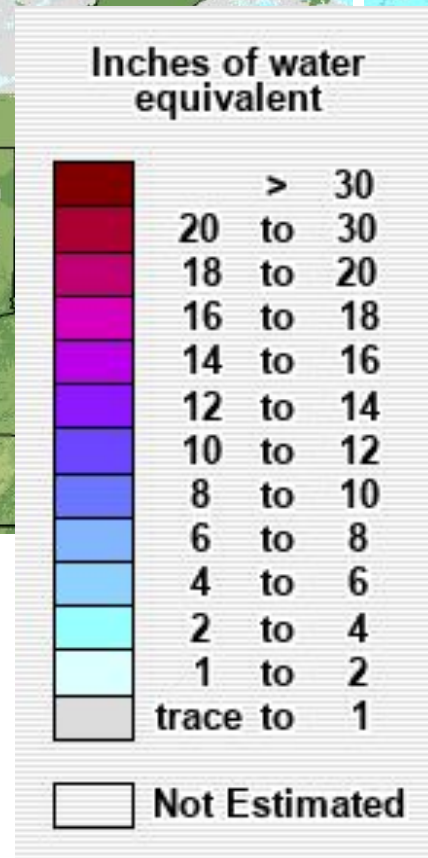
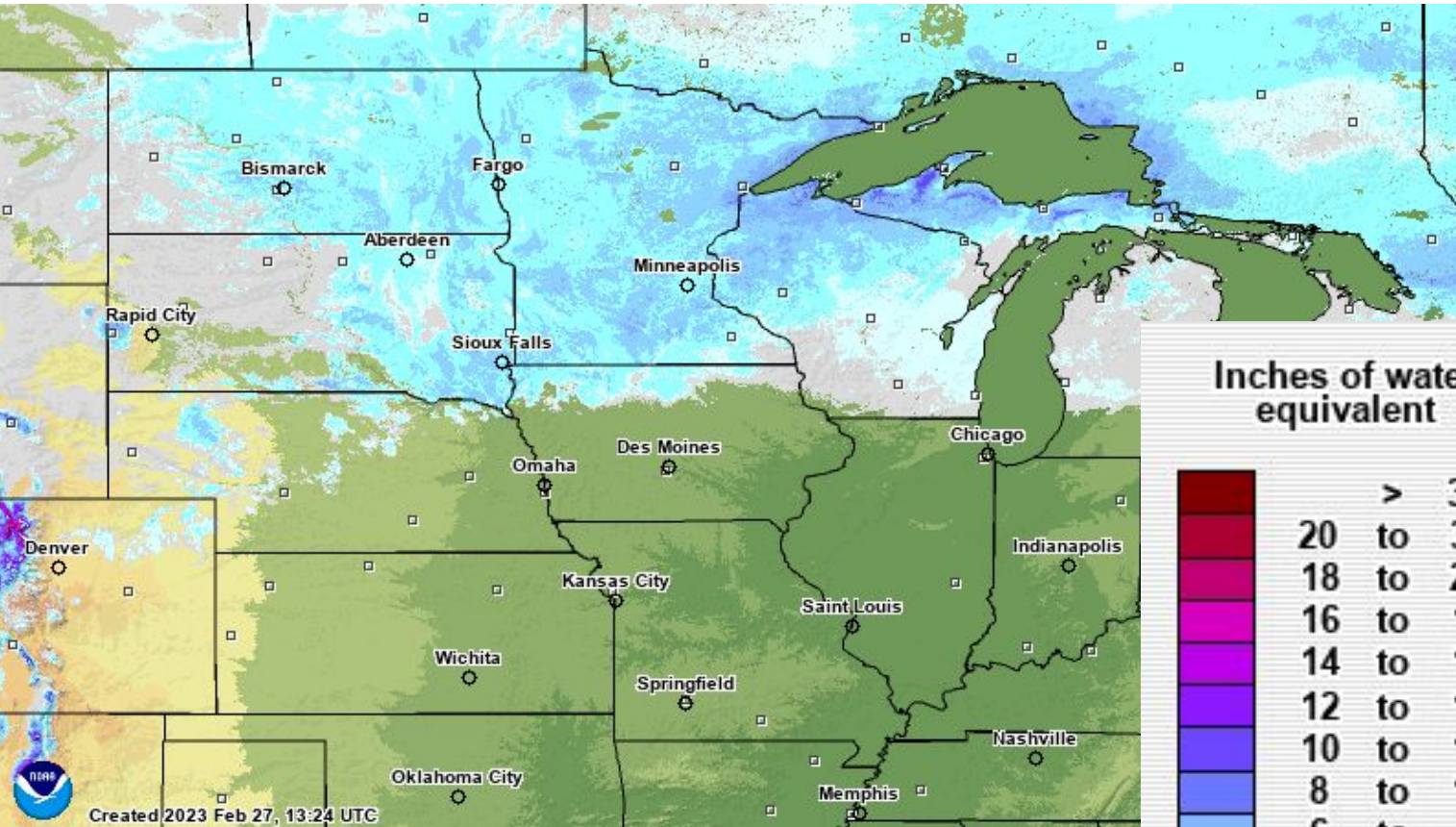




Snow Water Equivalent

March 23, 2023
1:00 PM

Available liquid in the snowpack has increased over the last few weeks





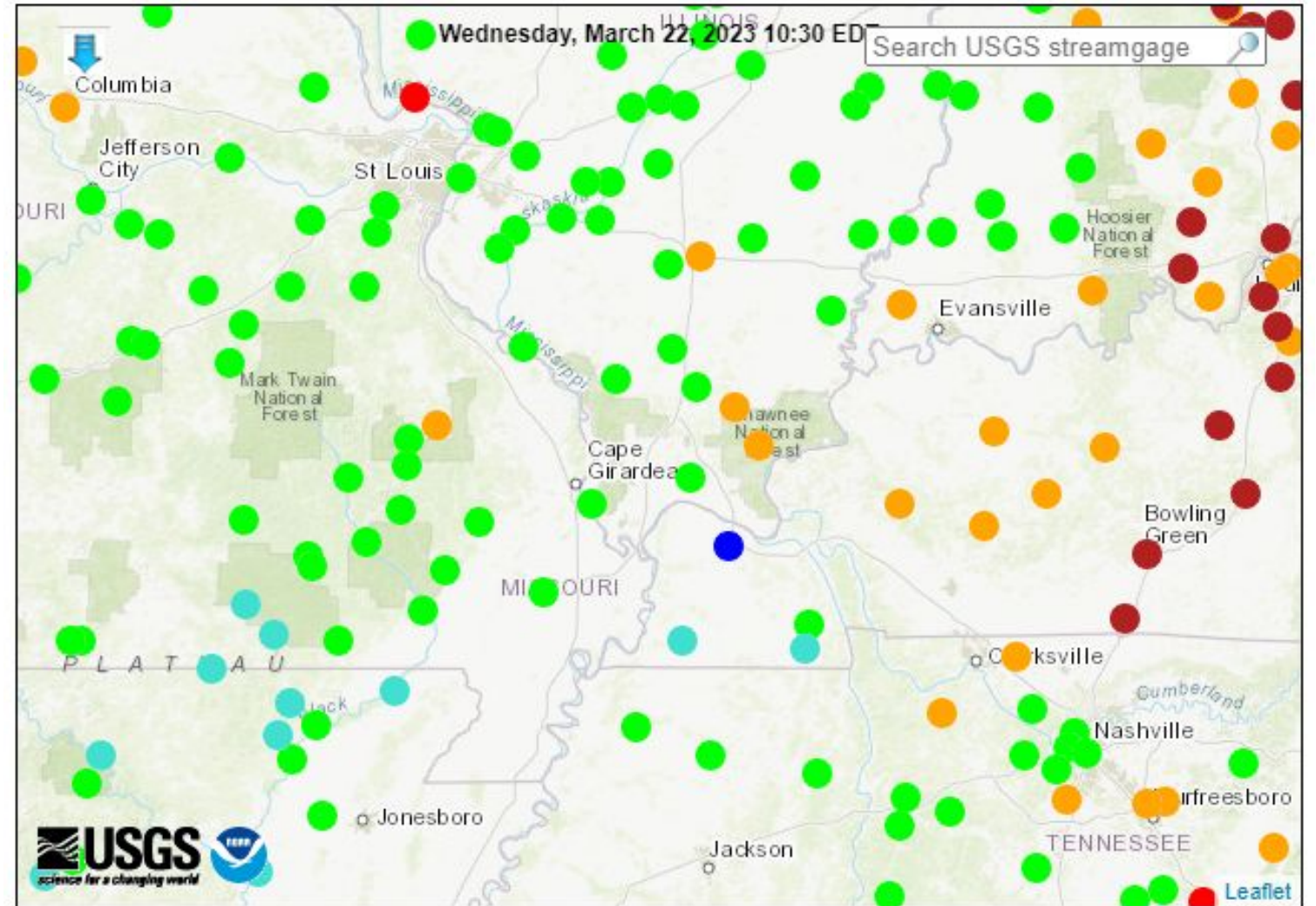
Current Streamflow

March 23, 2023
1:00 PM

Heavy rains will cause rises in most rivers across the region

Key Message

- While many streams across the region are near normal, heavy rain will cause rises, some potentially quick rises, across the region. Flooding will be possible not only in the coming days but periodically throughout the upcoming spring season.



Explanation - Percentile classes						
Low	<10	10-24	25-75	76-90	>90	High
	Much below normal	Below normal	Normal	Above normal	Much above normal	



7 Day Rainfall Forecast

March 23, 2023
1:00 PM

Heavy rain is expected over the next few days

Summary

- A storm system will bring the potential for heavy rainfall from late Thursday through Friday evening.
- Widespread 2 to 5 inch rainfall totals may be locally higher where enhanced by thunderstorms.
- The heavy rain may lead to flash flooding issues, and may eventually result in river flooding as well.

Moderate Risk of Flash Flooding Thursday & Friday Across Portions of Mississippi and Ohio Valleys





8-14 Day Outlooks

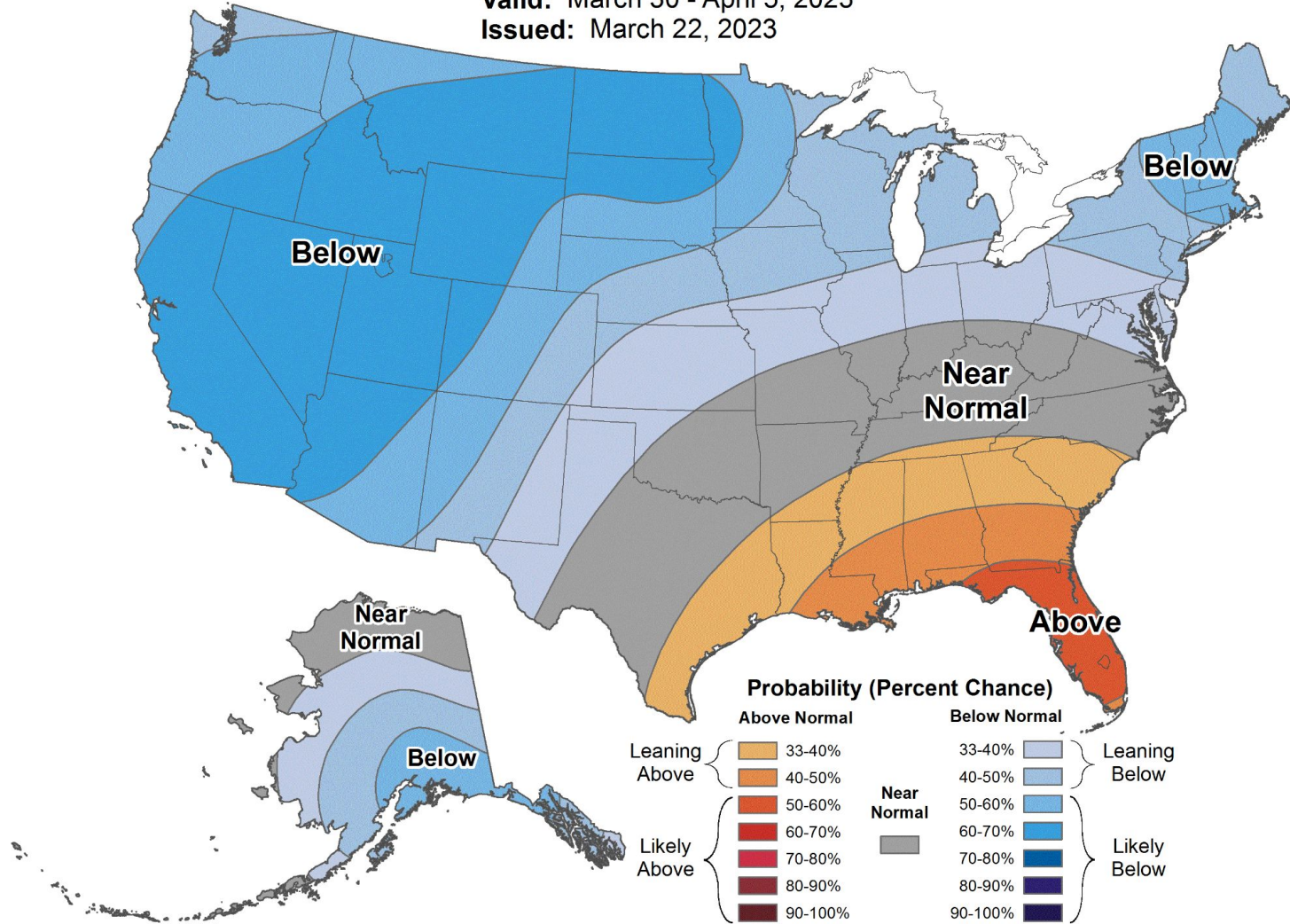
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8-14 Day Temperature Outlook



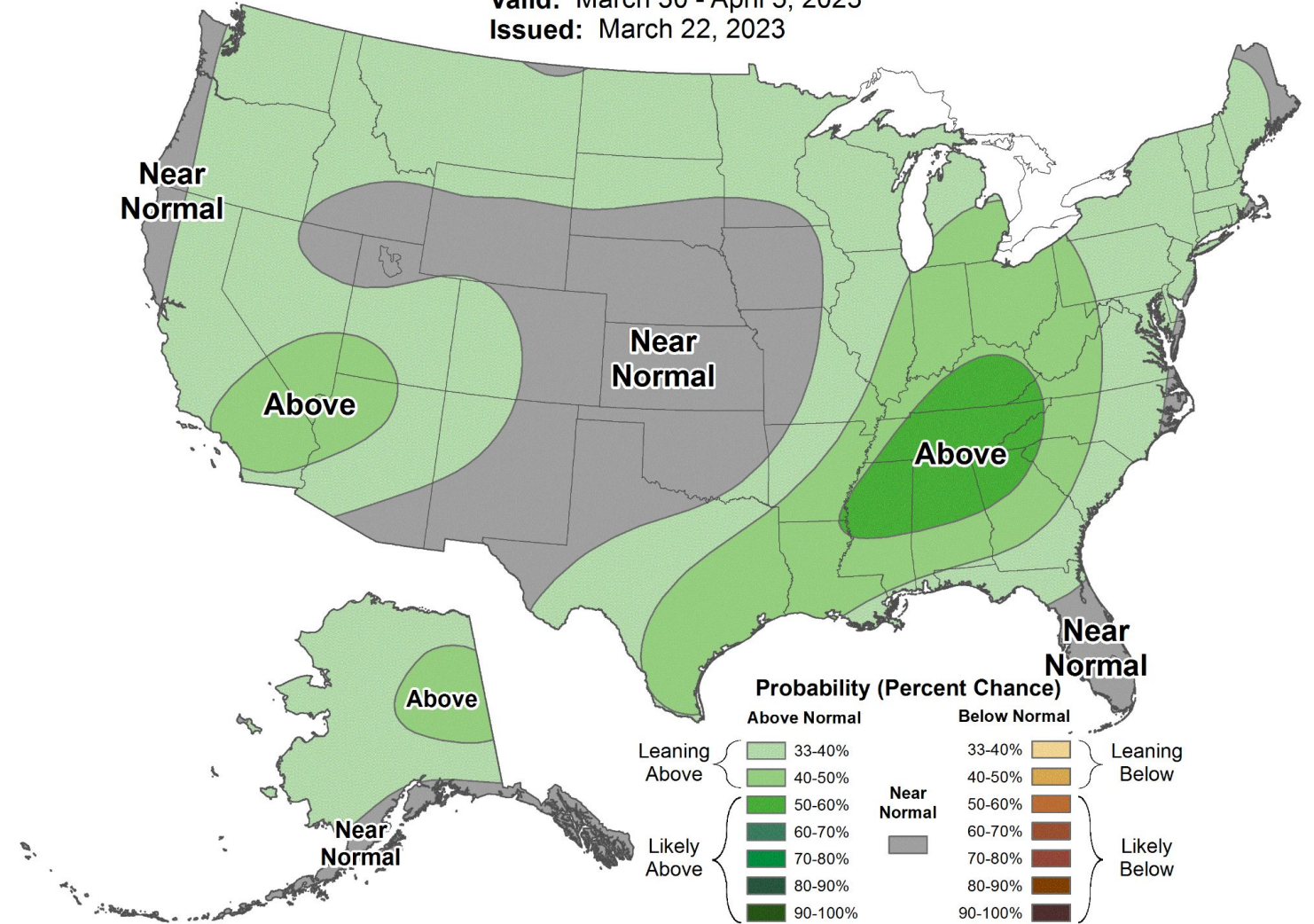
Valid: March 30 - April 5, 2023
Issued: March 22, 2023



8-14 Day Precipitation Outlook



Valid: March 30 - April 5, 2023
Issued: March 22, 2023





April Outlook

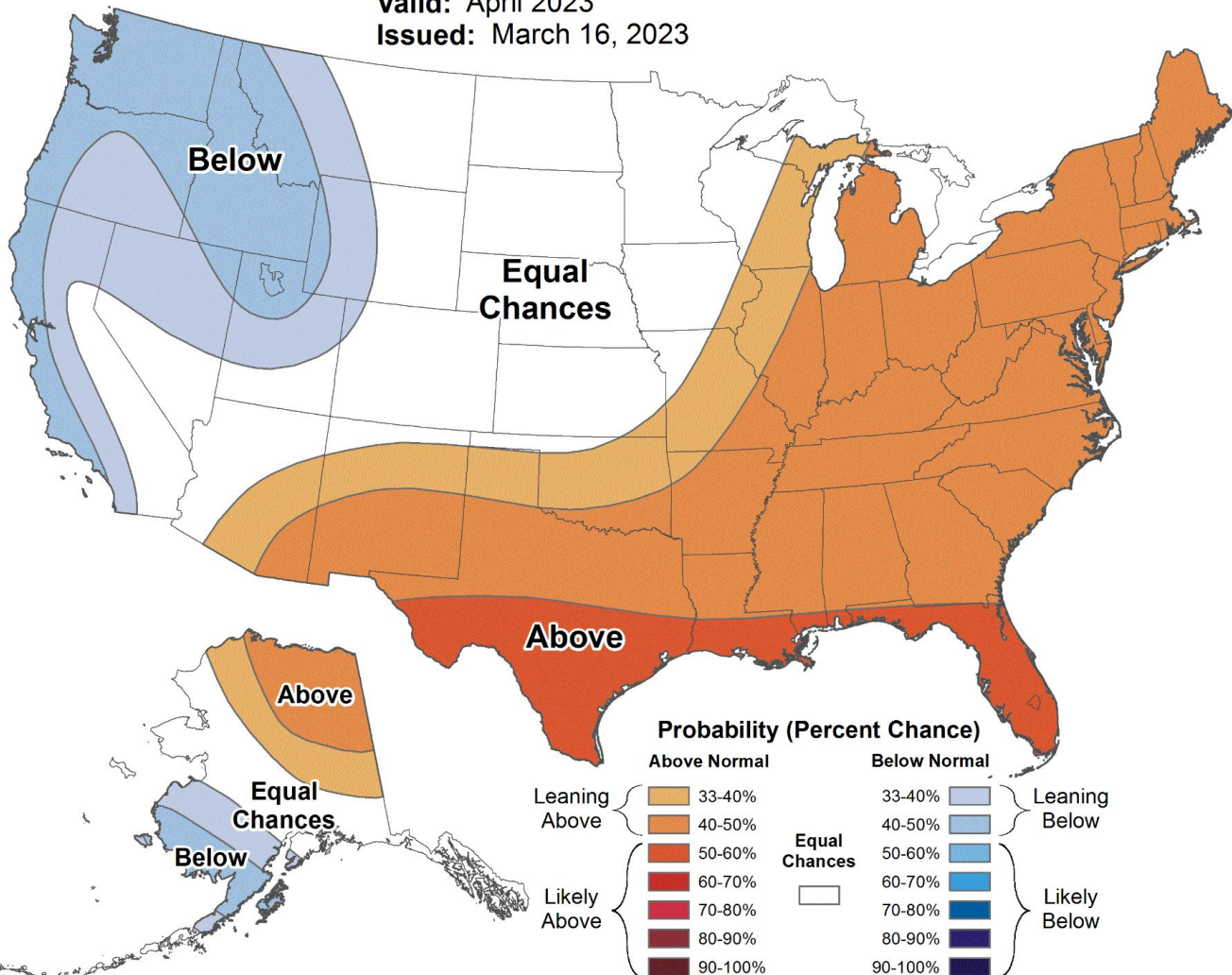
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Monthly Temperature Outlook



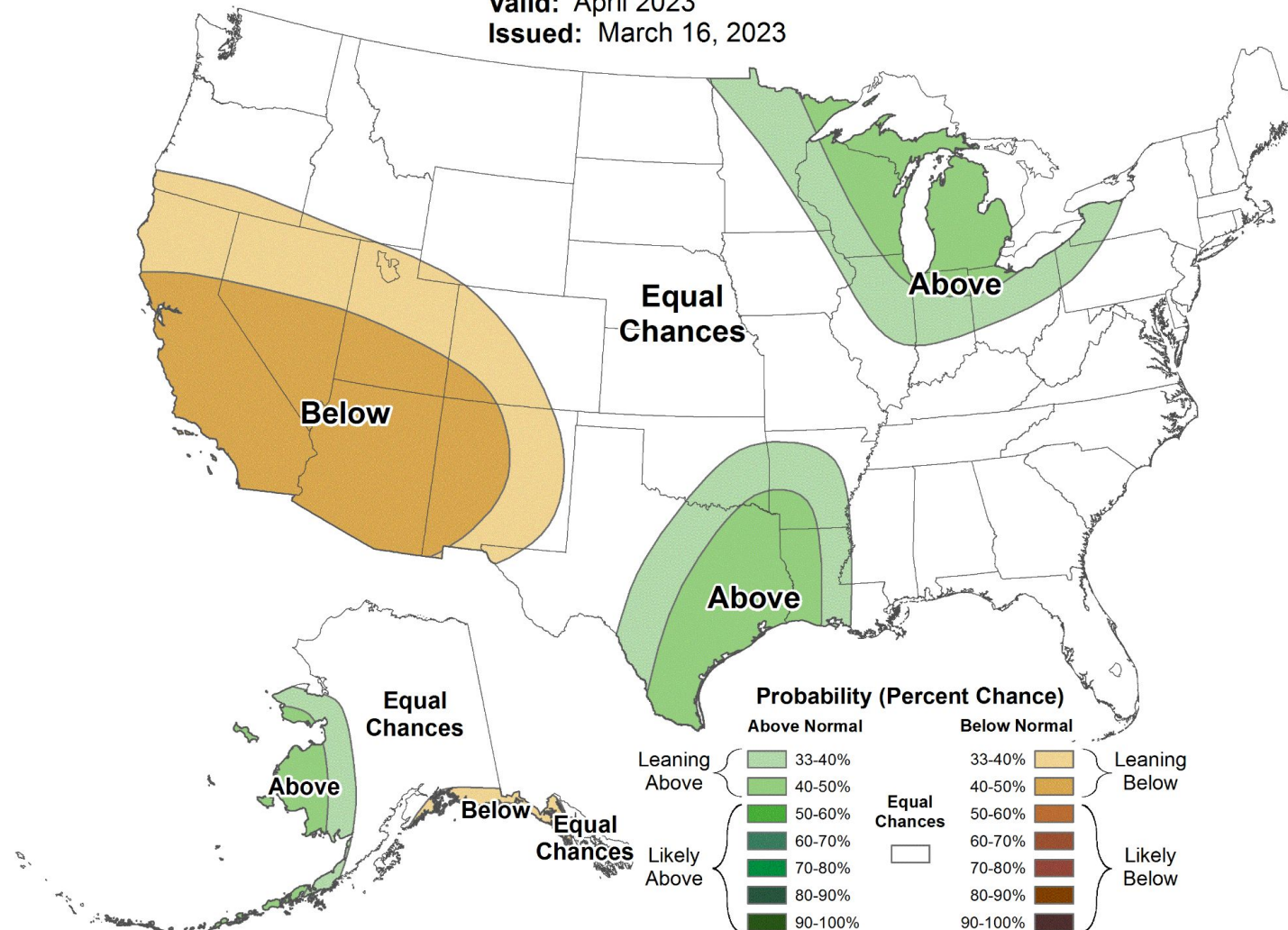
Valid: April 2023
Issued: March 16, 2023



Monthly Precipitation Outlook



Valid: April 2023
Issued: March 16, 2023





April-June Outlook

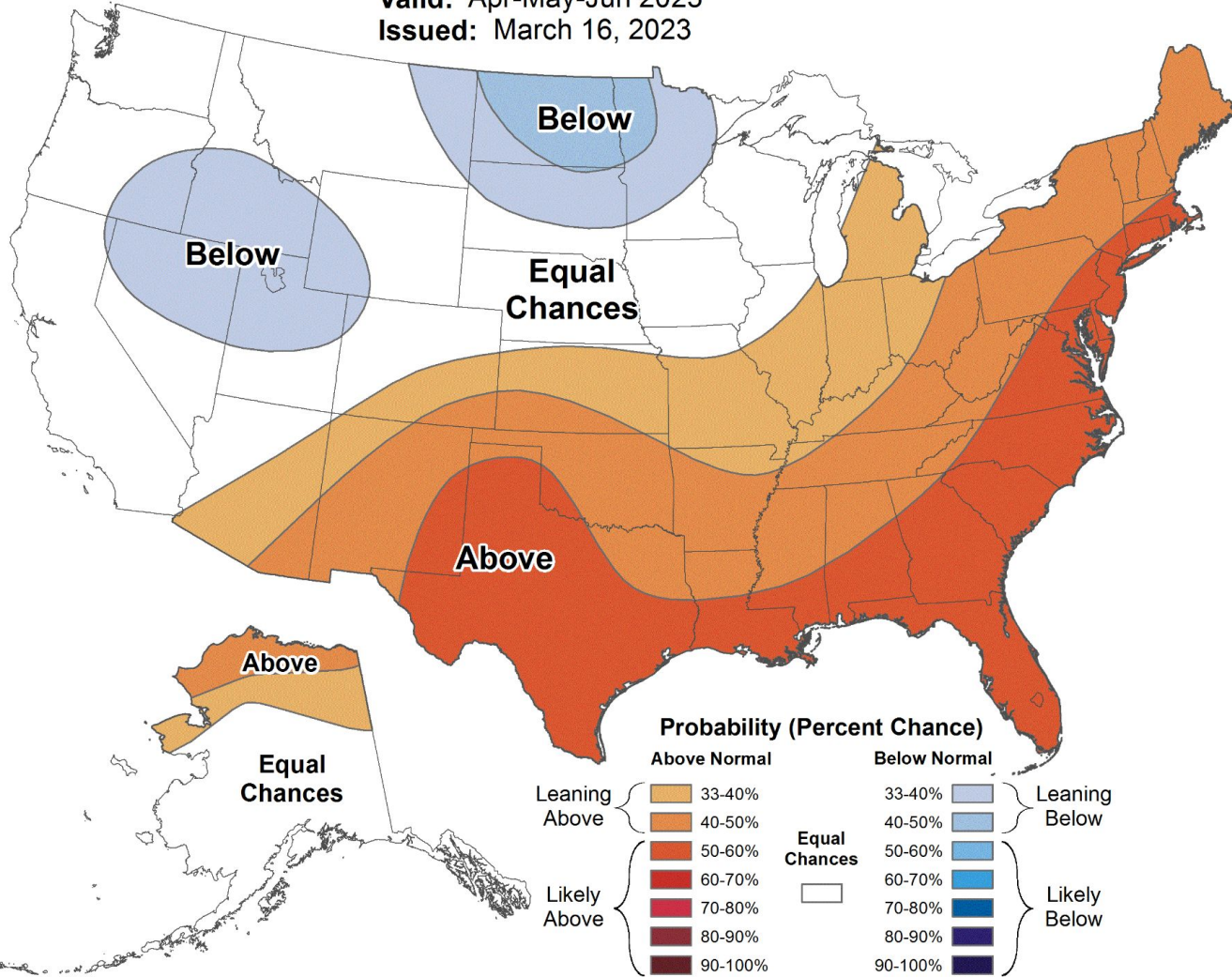
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Seasonal Temperature Outlook



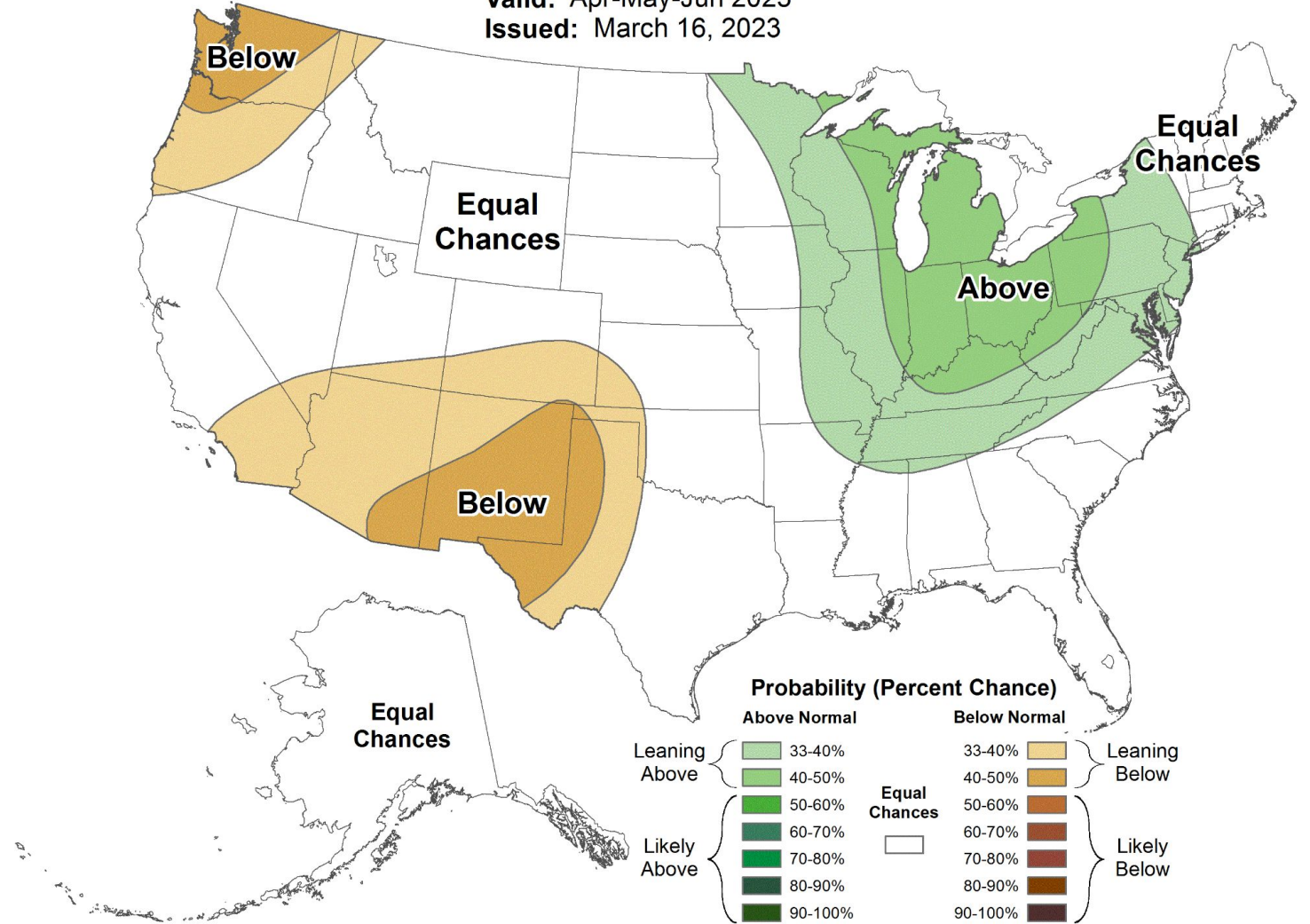
Valid: Apr-May-Jun 2023
Issued: March 16, 2023



Seasonal Precipitation Outlook



Valid: Apr-May-Jun 2023
Issued: March 16, 2023





Flood Outlook Summary

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Summary

- Minor flooding likely on the Ohio River. Moderate flooding possible.
- Wabash River: Minor flooding likely. Moderate flooding possible.
- Local tributaries: Near average flood risk, with minor flooding likely in most locations.
- Minor flooding is likely on the Mississippi River and there is an increasing chance for moderate flooding. Flooding may even be prolonged, similar to 2019.

