



Drought Information Statement for the Mid-South

Valid 04/5/2024

Issued By: NWS Memphis, TN

Contact Information: sr-meg.wx@noaa.gov

- This product will be updated when drought conditions worsen.
- Please see all currently available products at <https://drought.gov/drought-information-statements>.
- Please visit <https://www.weather.gov/meg/DroughtInformationStatement> for previous statements.





U.S. Drought Monitor

Link to the [latest U.S. Drought Monitor](#) for the Mid-South

- DROUGHT IMPROVING
- Drought intensity and extent
 - D4 (Exceptional Drought): None.
 - D3 (Extreme Drought): None.
 - D2 (Severe Drought): None.
 - D1 (Moderate Drought): Continuing across northwest MS and portions of West TN.
 - D0 (Abnormally Dry): One area includes portions of northwest MS and east-central AR. A second area includes portions of West TN, the Missouri Bootheel, and far northeast AR.

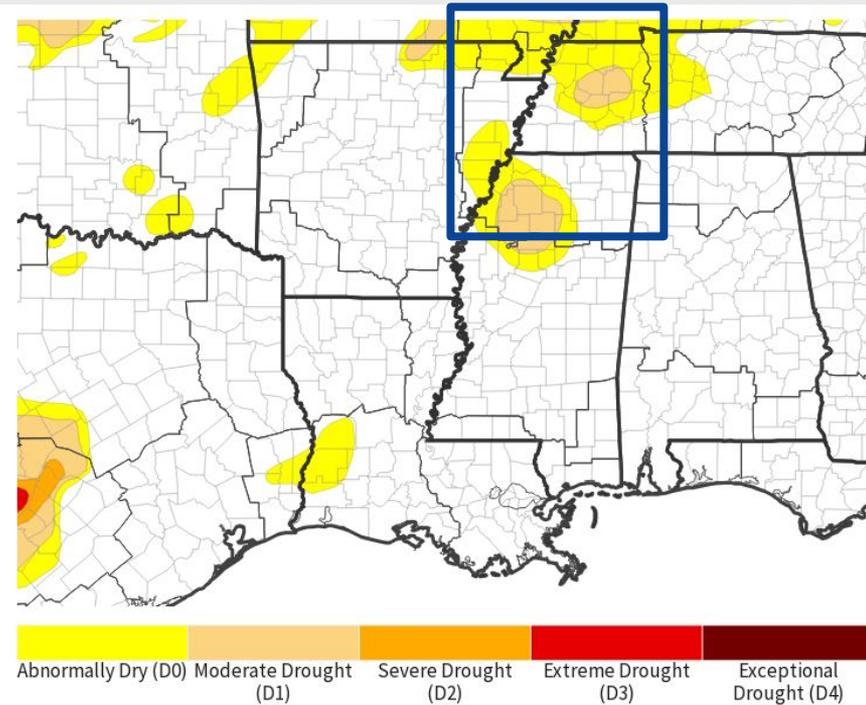


Image Caption: U.S. Drought Monitor valid 7 a.m. EST April 2, 2024





Recent Change in Drought Intensity

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

- One-Week Drought Monitor Class Change
 - No change: Much of north MS, West TN, and east-central AR.
 - Drought improved: Portions of West TN.
 - Drought worsened: None.

U.S. Drought Monitor 1-Week Change Map

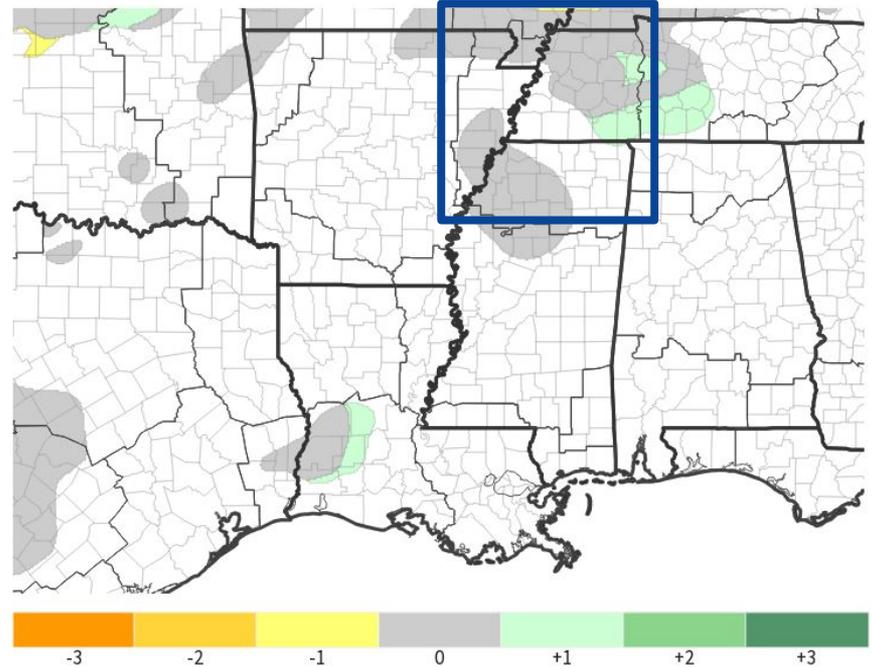


Image Caption: U.S. Drought Monitor 1-week change map valid 7 a.m. EST April 2, 2024





Precipitation

Over the past 30 days from the [High Plains Regional Climate Center](#)

- Precipitation totals over the past 30 days generally ranged from 2-4" across the Mid-South with localized amounts greater than 6" across portions of northeast MS.
- Rainfall amounts over the past 30 days were widely below normal, but portions of southwest TN and northeast MS were near to slightly above normal.

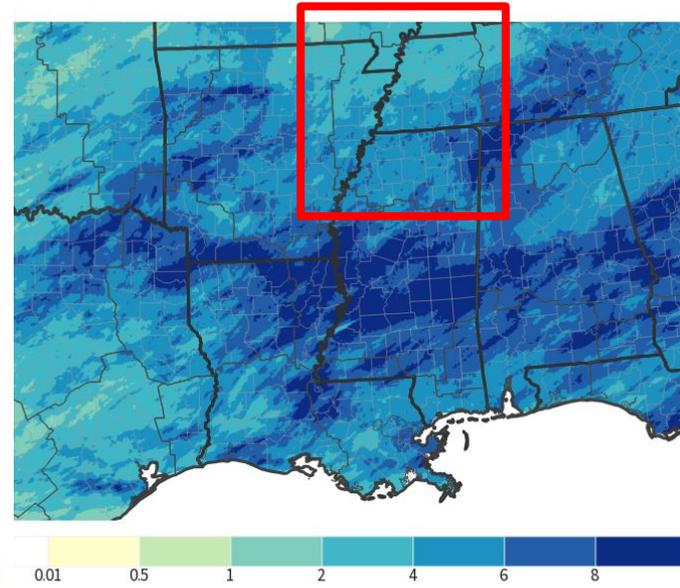
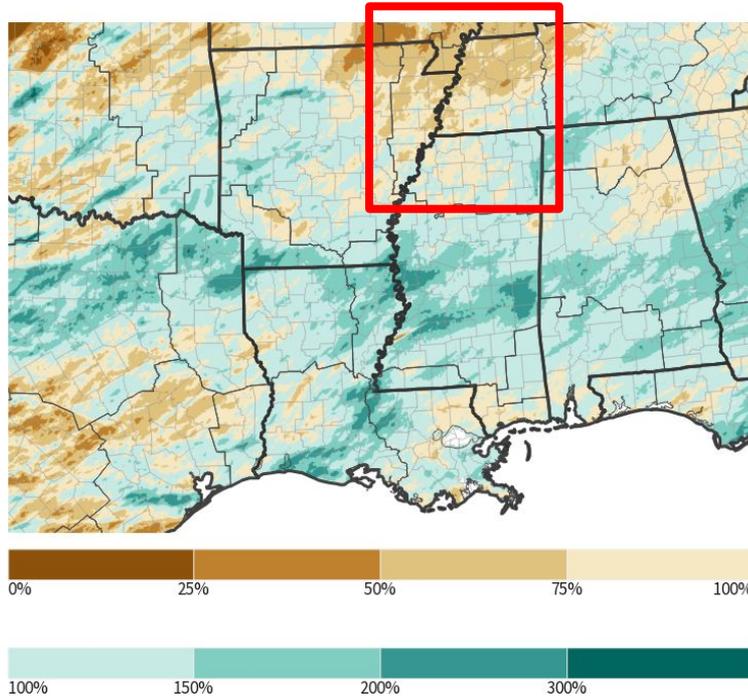


Image Captions:
 Left - [Percent of Normal Precipitation for NWS-Southern Region East](#)
 Right - [Precipitation for NWS- Southern Region East](#)

Data Courtesy High Plains Regional Climate Center.
 Data over the past 30 days ending April 5, 2024



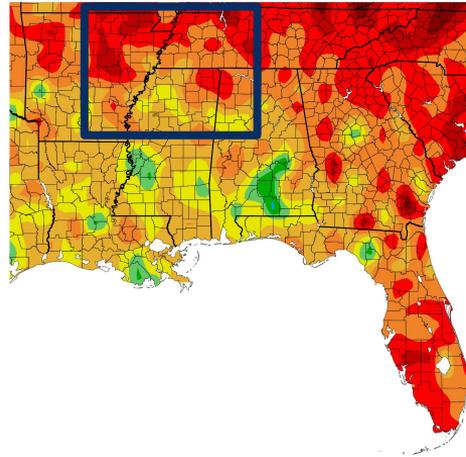


Temperature

Data over the past 30 days from the [High Plains Regional Climate Center](#)

- Average temperatures have generally ranged from 50-60 degrees across the region over the last 30 days.
- Average temperatures were generally 1 to 3 degrees above normal across the region over the last 30 days, with some areas around 4 degrees above normal in far northeast AR and northwest TN.

Departure from Normal Temperature (F)
3/6/2024 - 4/4/2024



Temperature (F)
3/6/2024 - 4/4/2024

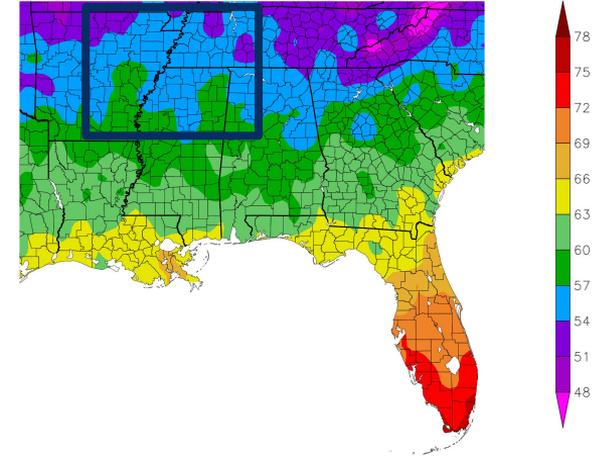


Image Captions:

Left - [Departure from Normal Temperature](#)

Right - [Average Temperature](#)

Data Courtesy High Plains Regional Climate Center.

Data over the past 30 days ending April 5, 2024





Summary of Impacts

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

Hydrologic Impacts

- No significant impacts. Stream flow is below to near normal. Upstream snowmelt will bring water levels to near normal range.

Agricultural Impacts

- There are no known impacts at this time.

Fire Hazard Impacts

- There are no known impacts at this time.

Other Impacts

- There are no known additional impacts at this time.

Mitigation Actions

- Please refer to your municipality and/or water provider for mitigation information.





Hydrologic Conditions and Impacts

Friday, April 05, 2024 15:30ET

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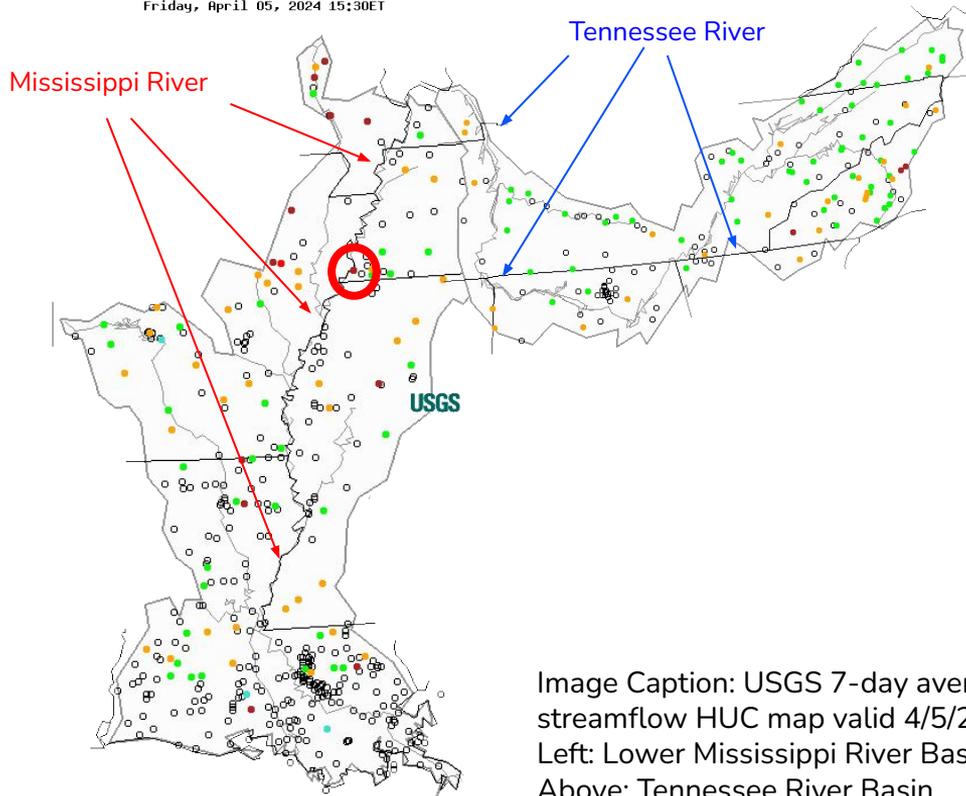


Image Caption: USGS 7-day average streamflow HUC map valid 4/5/2024
Left: Lower Mississippi River Basin
Above: Tennessee River Basin

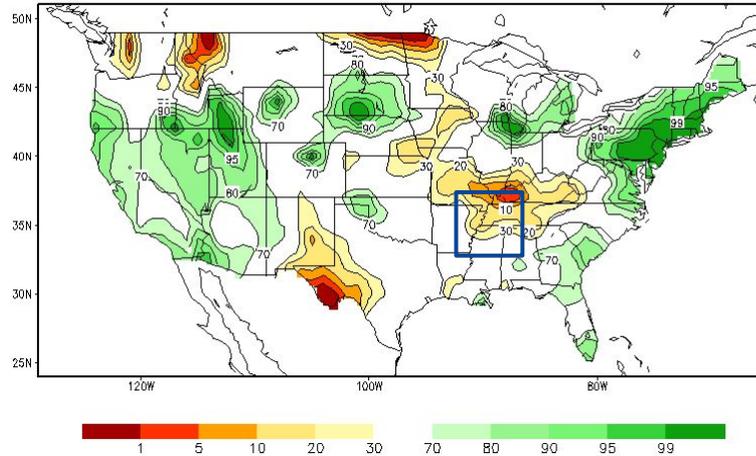
- The **Mississippi River at Memphis** is currently experiencing below normal flow. The extended river forecasts indicate a significant rise through mid-April, though the river is expected to remain well below action and flood stages.
- The Tennessee River feeds into the Mississippi River remains near normal at between Savannah, TN, and Kentucky Lake.



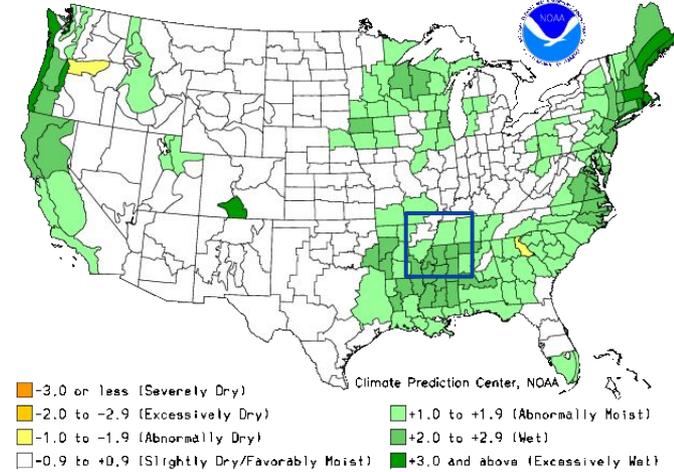
Agricultural Impacts

- Soil moisture anomalies are below normal for most of the the Mid-South. The greatest anomalies are in far northwest TN.
- The crop moisture index is favorably moist to wet across much of the Mid-South.

Calculated Soil Moisture Ranking Percentile
APR 04, 2024



Crop Moisture Index by Division
Weekly Value for Period Ending MAR 30, 2024
Short Term Need vs. Available Water in a Shallow Soil Profile



Climate Prediction Center, NOAA

■ -3.0 or less (Severely Dry)	■ +1.0 to +1.9 (Abnormally Moist)
■ -2.0 to -2.9 (Excessively Dry)	■ +2.0 to +2.9 (Wet)
■ -1.0 to -1.9 (Abnormally Dry)	■ +3.0 and above (Excessively Wet)
■ -0.9 to +0.9 (Slightly Dry/Favorably Moist)	

Image Captions:
 Left: CPC Calculated [Soil Moisture Ranking Percentile](#) valid April 4, 2024
 Right: [Crop Moisture Index by Division](#). Weekly value for period ending March 30, 2024





Fire Hazard Impacts

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

- Normal to below normal wildland fire is expected for April. May is currently forecast to see normal wildland fire activity.
- Burn Bans currently in effect for:
 - [Arkansas](#): None.
 - [Missouri](#): None.
 - [Mississippi](#): None.
 - [Tennessee](#): None.

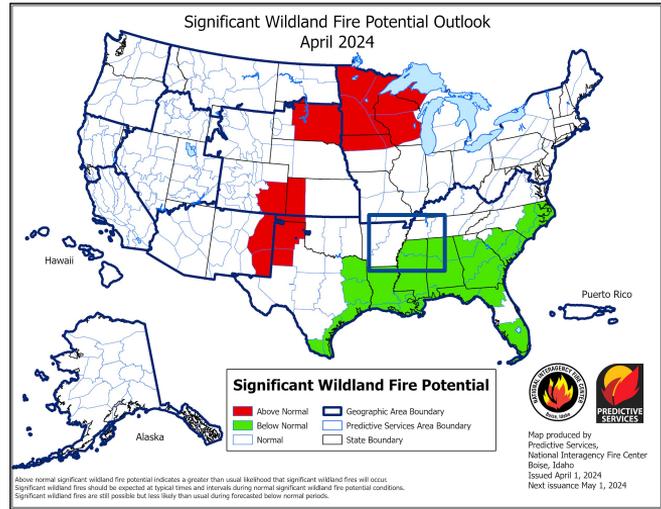


Image Caption: [Significant Wildland Fire Potential Monthly Outlook](#) for March 2024.



Seven Day Precipitation Forecast

- Forecast precipitation over the next week ranges from 3-5” across the Mid-South with locally higher amounts possible.
- Most of this rain is expected to occur after April 9.

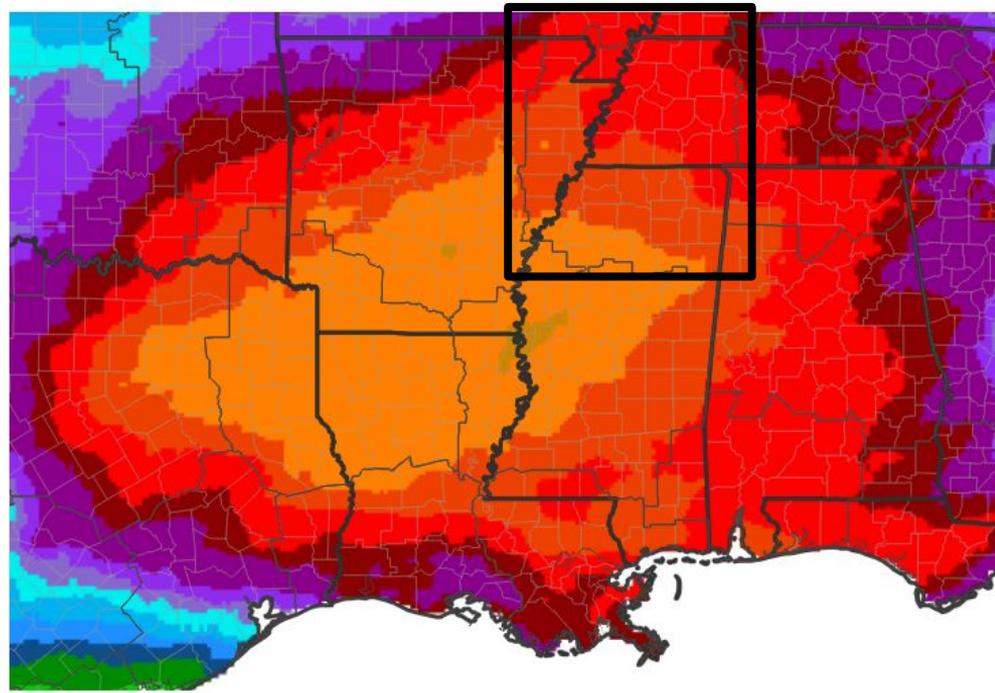


Image Caption: National Weather Service Weather Prediction Center courtesy of drought.gov
7-Day Quantitative Precipitation
Forecast Valid April 6-13, 2024



Long-Range Outlooks

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

- The Mid-South has a 40-50% chance of experiencing above normal temperatures for the month of April.
- There is also a 40-50% chance that rainfall amounts will be above normal through April.

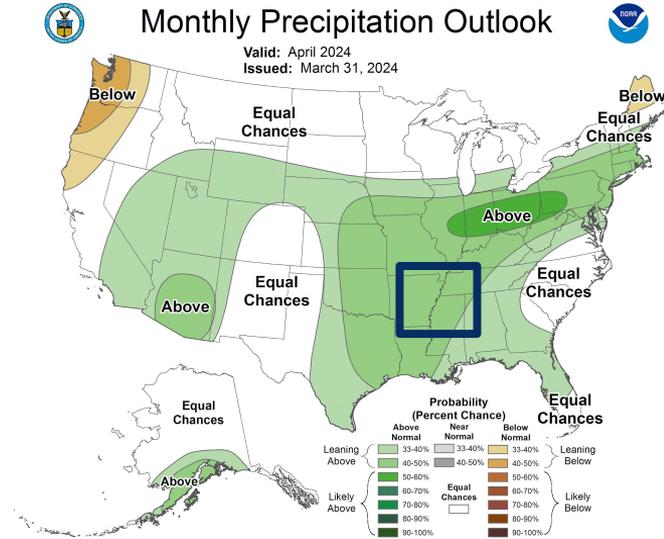
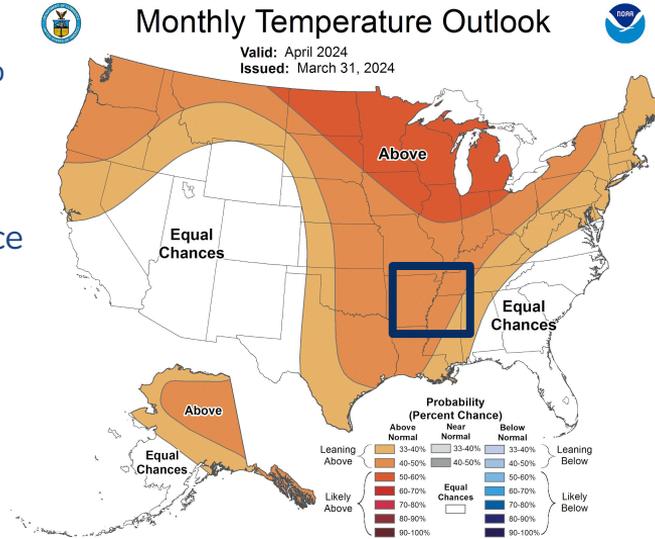


Image Captions:

Left - [Climate Prediction Center Monthly Temperature Outlook](#),

Right - [Climate Prediction Center Monthly Precipitation Outlook](#).

Valid April 2024





Drought Outlook

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

- Drought conditions are expected to end across the Mid-South.

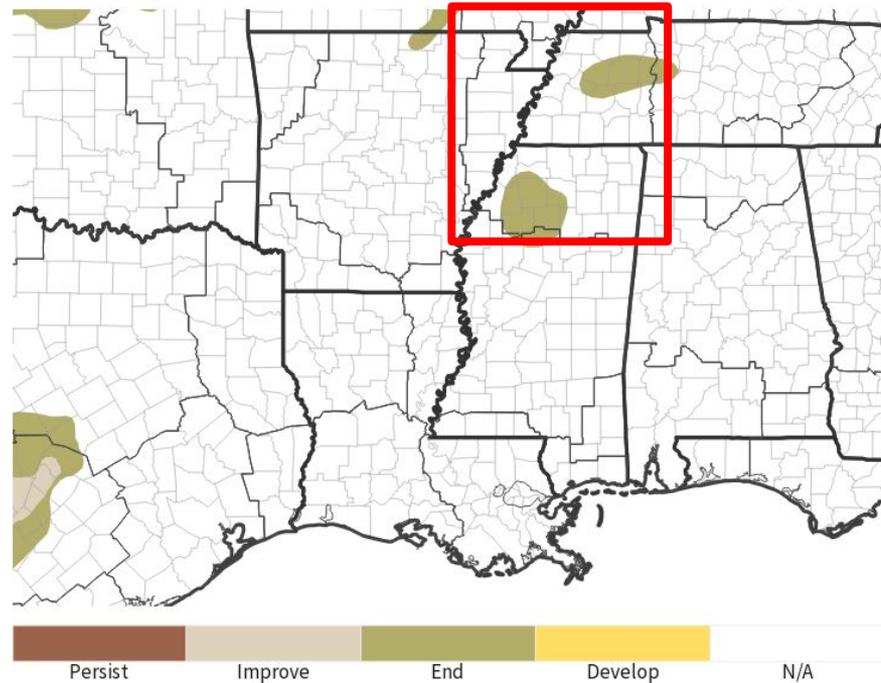


Image Caption:

Climate Prediction Center Monthly Drought Outlook Released
04/5/2024 valid for 04/2024

Links to the latest:

- [Climate Prediction Center Monthly Drought Outlook](#)
- [Climate Prediction Center Seasonal Drought Outlook](#)

