

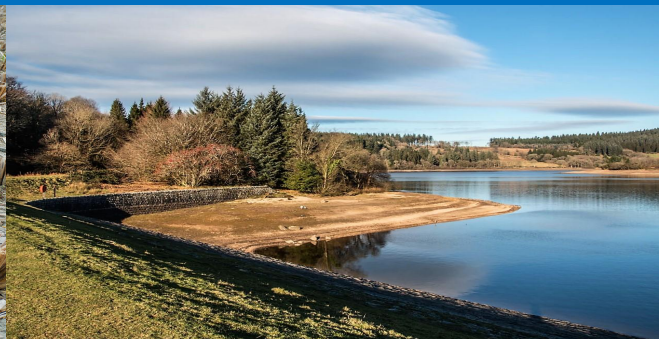
Drought Information Statement for the Mid-South

Valid 02/22/2024

Issued By: NWS Memphis, TN

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

- This product will be updated March 7, 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/meg/DroughtInformationStatement> for previous statements.



National Oceanic and
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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): Continuing in northwest MS and portions of West TN near the TN River.
 - D1 (Moderate Drought): Continuing across northwest and north-central MS as well as much of West TN.
 - D0 (Abnormally Dry): Confined to portions of north MS, West TN, and east-central AR.

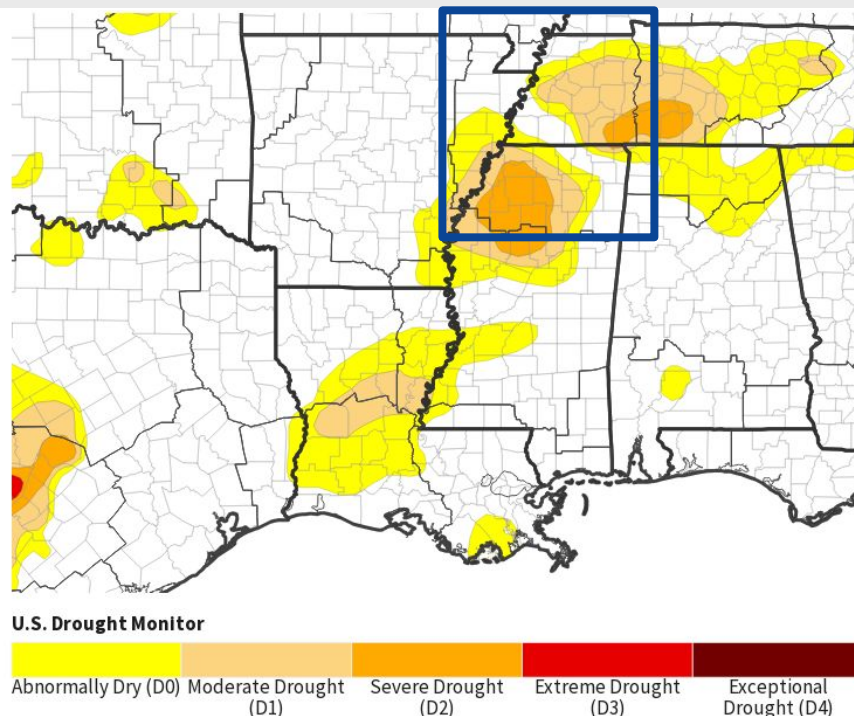


Image Caption: U.S. Drought Monitor valid 7am EST February, 22, 2024





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 north MS, southwest TN, and east-central AR.
 - Drought worsened: None.

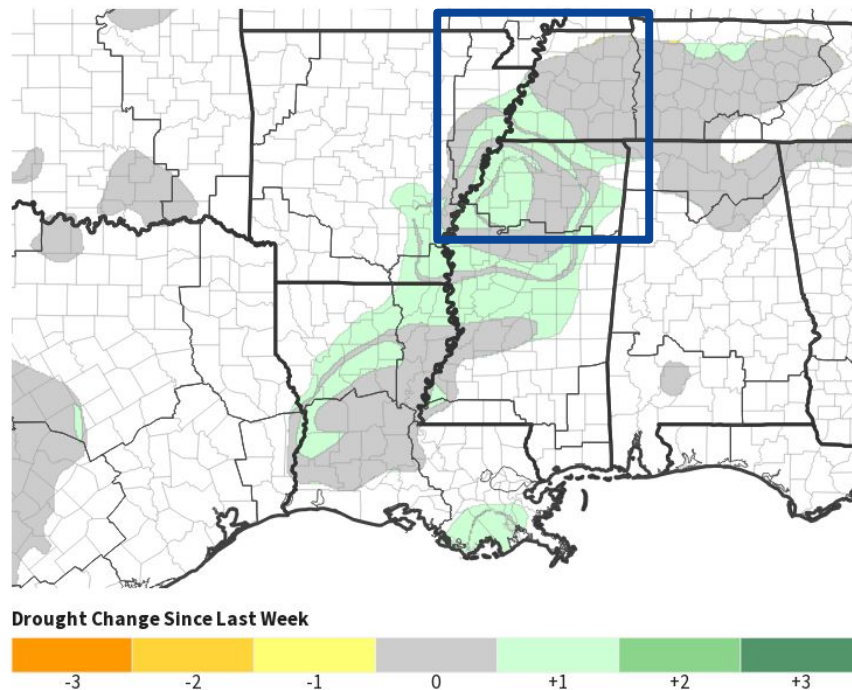


Image Caption: U.S. Drought Monitor 1-week change map valid 7 a.m. EST February 22, 2024

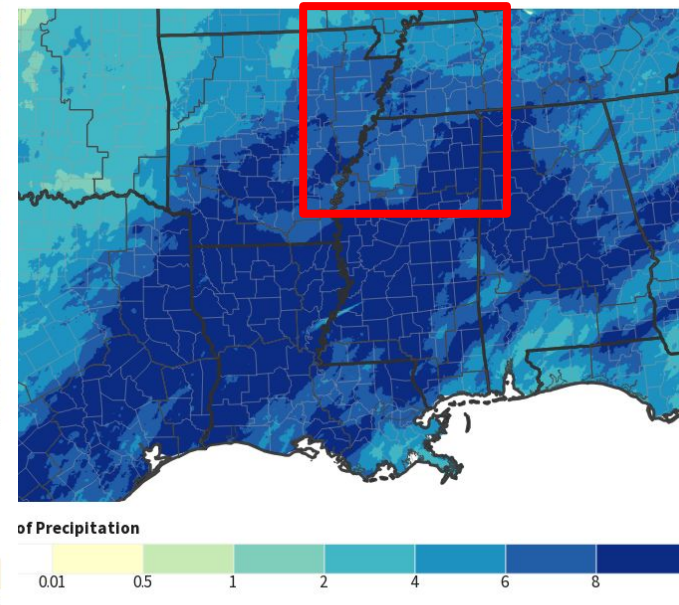
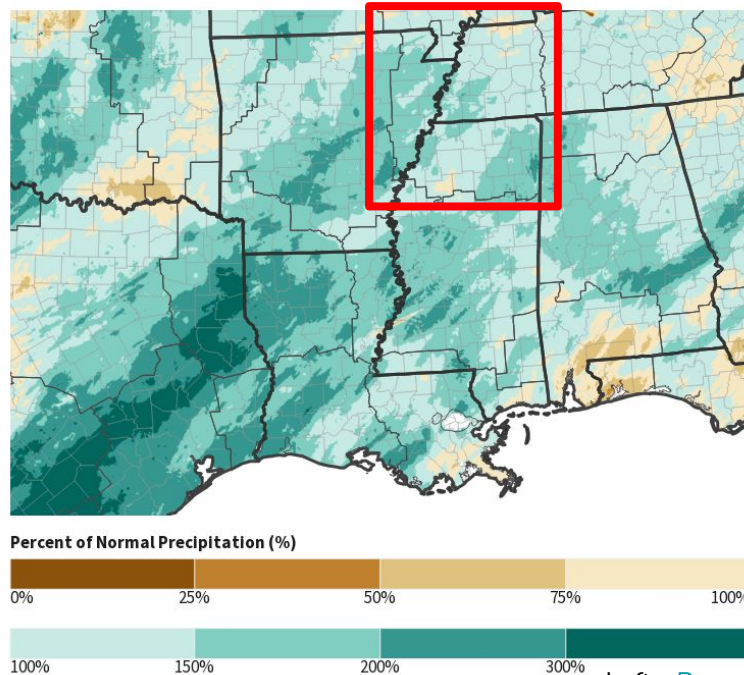




Precipitation

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

- Precipitation totals over the past 30 days generally ranged from 4-8" across the Mid-South with localized higher amounts, especially across northeast MS.
- Rainfall amounts over the past 30 days were generally above normal except for a few areas near the TN/KY border and in Tallahatchie County. Some areas in northeast MS experienced rainfall amounts near 200% of normal.



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 February, 22, 2024

Image Captions:



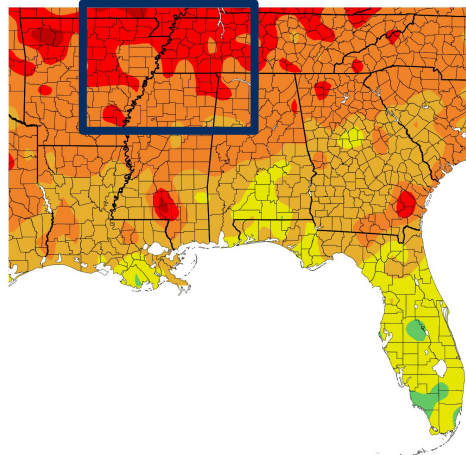


Temperature

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

- Average temperatures have generally ranged from 45-55 degrees across the region over the last 30 days.
- Average temperatures were generally 4 to 8 degrees below normal across the region over the last 30 days

Departure from Normal Temperature (F)
1/23/2024 - 2/21/2024



Temperature (F)
1/23/2024 - 2/21/2024

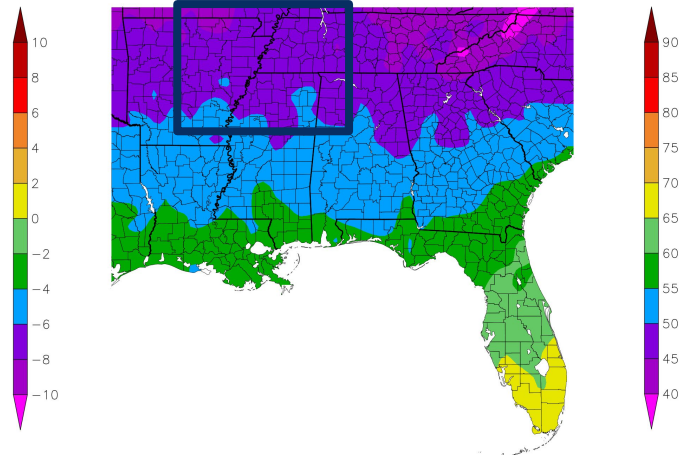


Image Captions:

Left - [Departure from Normal Temperature](#)

Right - [Average Temperature](#)

Data Courtesy High Plains Regional Climate Center.
Data over the past 30 days ending February 21, 2024

National Weather Service
Memphis, TN



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Summary of Impacts

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

Hydrologic Impacts

- No significant impacts. Locally heavy rainfall may cause temporary riverine flooding in smaller basins.

Agricultural Impacts

- There are no known impacts at this time.

Fire Hazard Impacts

- Normal to below normal wildland fire activity has been observed this month across the Mid-South. Normal wildland fire activity is expected to continue through February and into March.

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

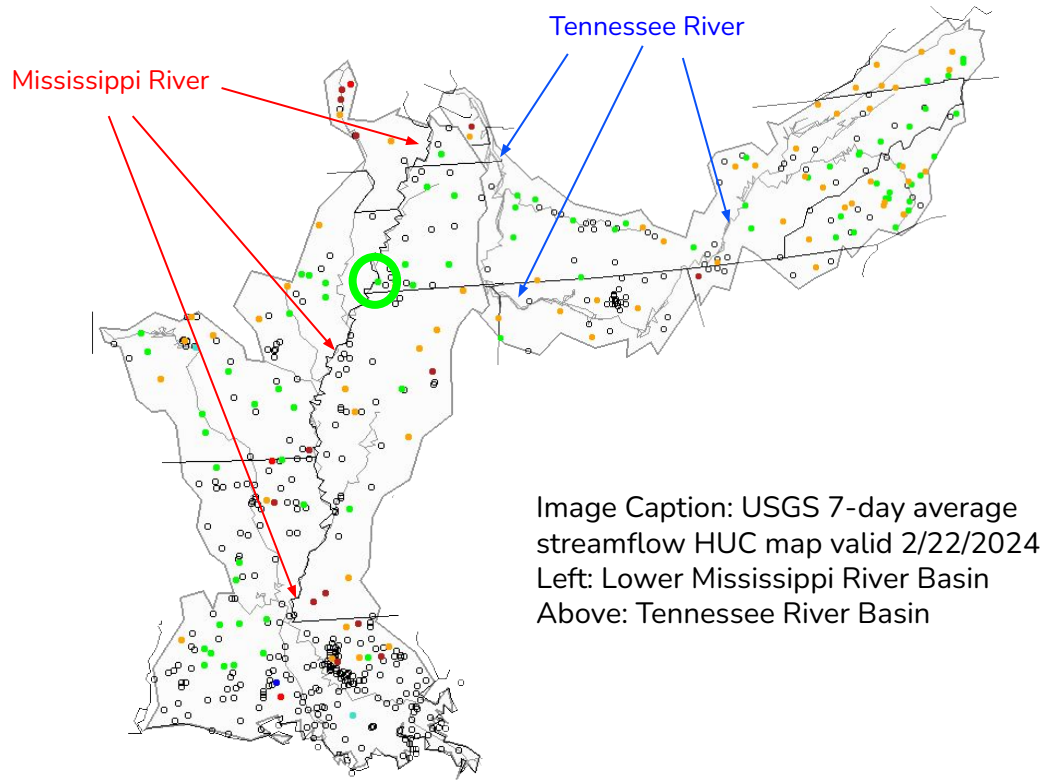


Image Caption: USGS 7-day average streamflow HUC map valid 2/22/2024
Left: Lower Mississippi River Basin
Above: Tennessee River Basin

- The **Mississippi River at Memphis** is experiencing near normal flow. The extended river forecasts indicate a decline through the next 7-10 days followed by a potential rise.
- The Tennessee River feeds into the Mississippi River remains elevated near Savannah, but is near normal at between Perryville and Kentucky Lake.



Agricultural Impacts

- Soil moisture anomalies are in the normal range for the Mid-South.
- The crop moisture index is abnormally moist to wet.

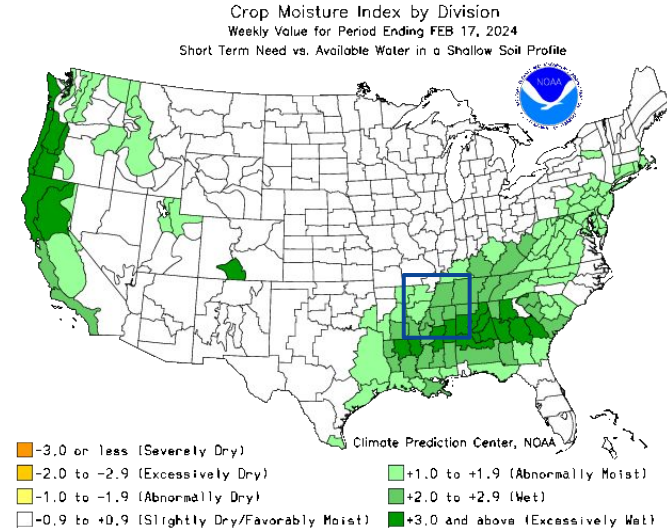
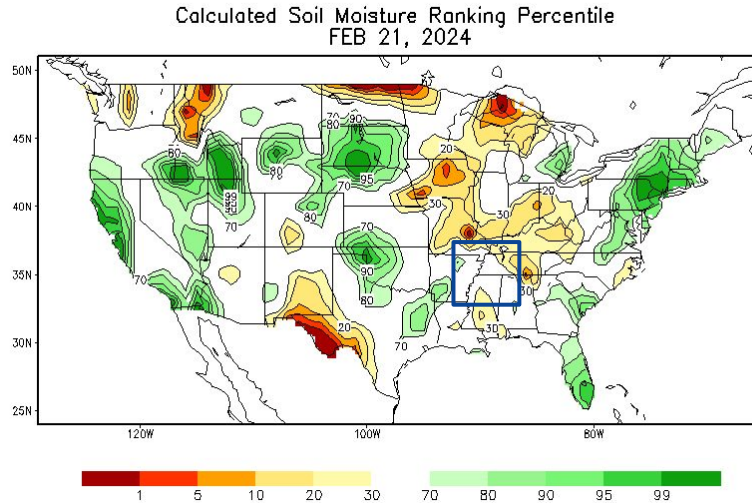


Image Captions:

Left: CPC Calculated [Soil Moisture Ranking Percentile](#) valid February 21, 2024

Right: [Crop Moisture Index by Division](#). Weekly value for period ending February 17, 2024





Fire Hazard Impacts

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

- Normal to below normal wildland fire potential is expected for the Mid-South through February. Normal wildland fire is expected for March.
- Burn Bans currently in effect for:
 - [Arkansas](#): None.
 - [Missouri](#): None.
 - [Mississippi](#): None.
 - [Tennessee](#): None.

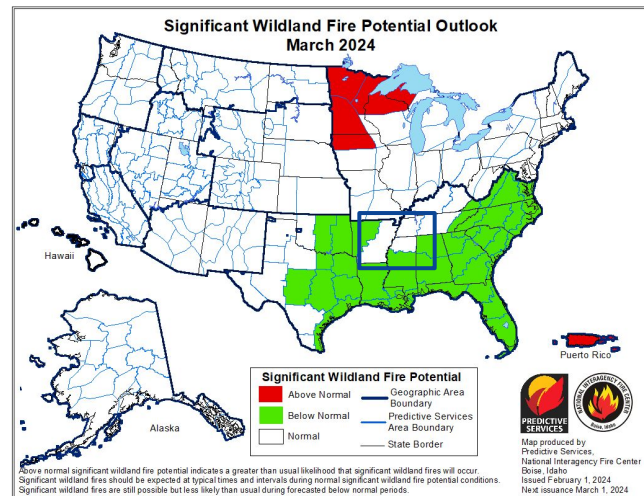
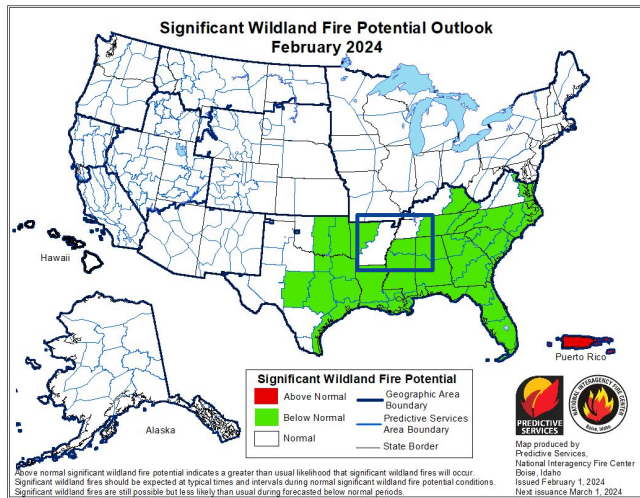


Image Caption: [Significant Wildland Fire Potential Monthly Outlook](#) for February 2024.



National Oceanic and Atmospheric Administration

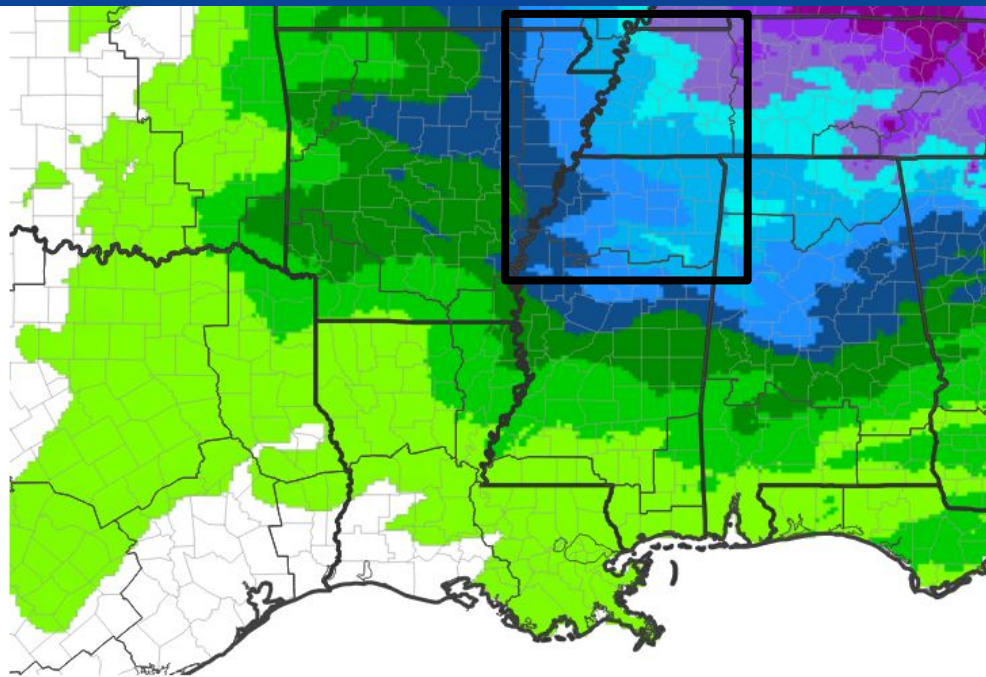
U.S. Department of Commerce

National Weather Service
Memphis, TN



Seven Day Precipitation Forecast

- Forecast precipitation over the next week ranges from 0.50-1.75" across the Mid-South.
- Highest forecast precipitation amounts (QPF) look to fall from 2/28-2/29.



Predicted Inches of Precipitation

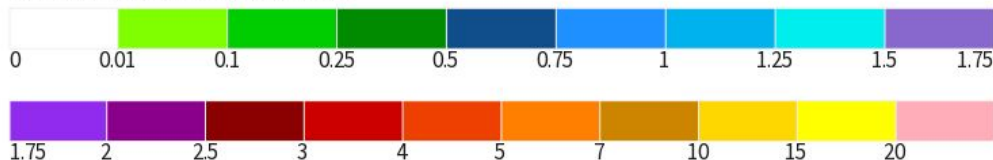


Image Caption: National Weather Service Weather Prediction Center courtesy of drought.gov
7-Day Quantitative Precipitation
Forecast Valid February 22-29, 2024





Long-Range Outlooks

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

- Areas south of Interstate 40 have equal chances of experiencing above or below normal temperatures, but a 33-40% of above normal temperatures exists north of I-40 through February.
- There is equal chances that precipitation in February will be above or below normal across most of the Mid-South. There exists a small swath along the TN/KY and AR/KY/MO statelines for below normal precipitation.

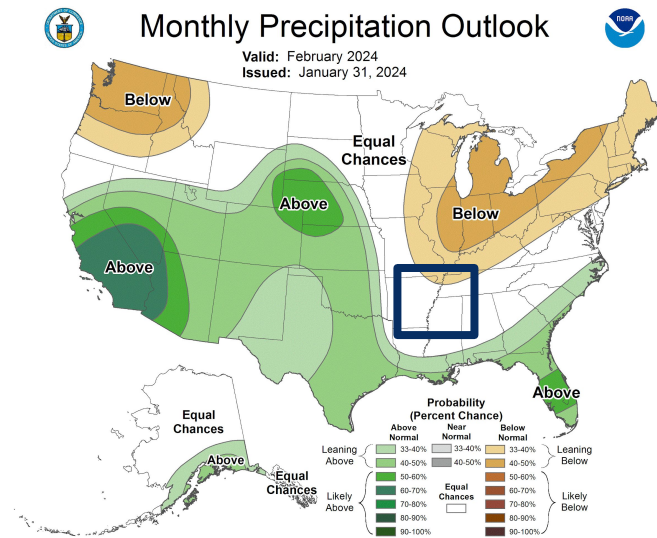
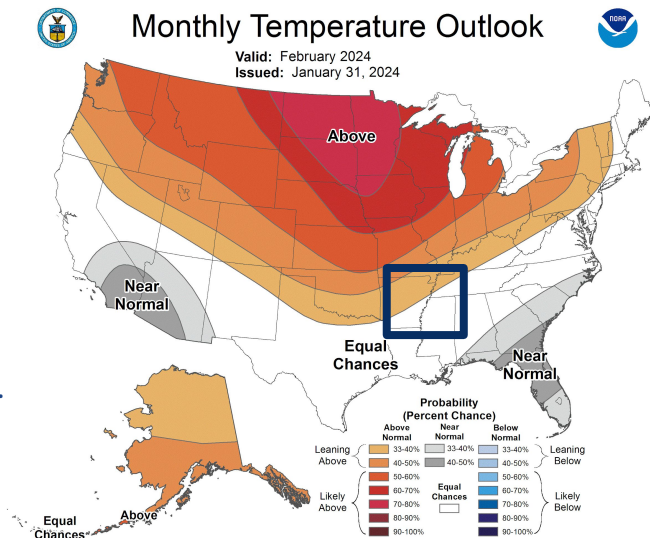


Image Captions:

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

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

Valid February 2024



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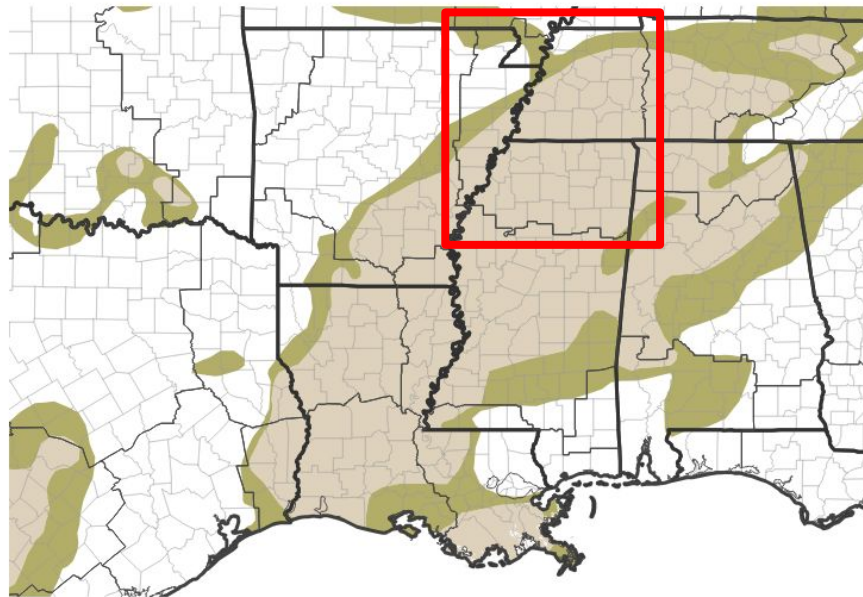
National Weather Service
Memphis, TN



Drought Outlook

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

- Drought conditions are expected to improve for a majority or end for all of the Mid-South.



Drought Is Predicted To...



Image Caption:

Climate Prediction Center Monthly Drought Outlook Released
02/22/2024 valid for 03/2024

Links to the latest:

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



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