



Drought Information Statement for the Mid-South

Valid 02/08/2024

Issued By: NWS Memphis, TN

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

- This product will be updated February 22, 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 Atmospheric Administration

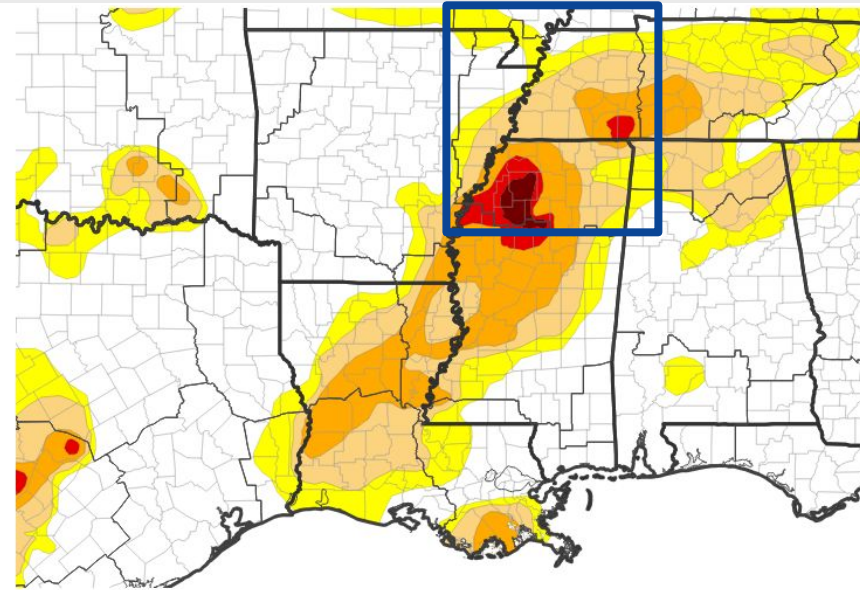
U.S. Department of Commerce



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): Continuing in north MS.
 - D3 (Extreme Drought): Continuing in north MS and a small area in southern TN.
 - D2 (Severe Drought): Continuing in extreme northeast MS, and a portion of West TN.
 - D1 (Moderate Drought): A swath in east-central AR, West TN, and north MS.
 - D0 (Abnormally Dry): A small swath in far northeast and east-central AR, a portion of the MO Bootheel, a swath in West TN, and a swath in north MS.



U.S. Drought Monitor



Image Caption: U.S. Drought Monitor valid 7am EST February, 8, 2024

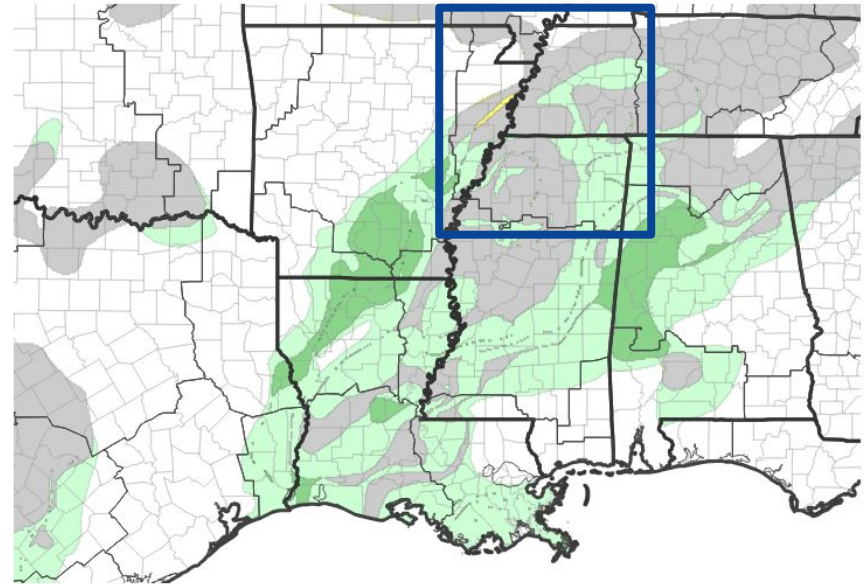




Recent Change in Drought Intensity

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

- One-Week Drought Monitor Class Change
 - No change: Most of the Mid-South.
 - Drought improved: a swath in west TN, a swath in southeast AR, and far northeast MS.
 - Drought worsened: a small swath in east-central AR.



Drought Change Since Last Week

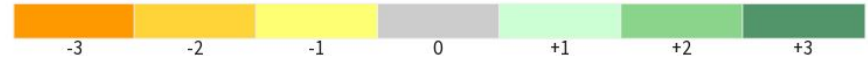


Image Caption: U.S. Drought Monitor 1-week change map valid 7 a.m. EST February 8, 2024

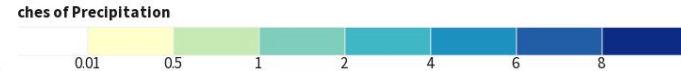
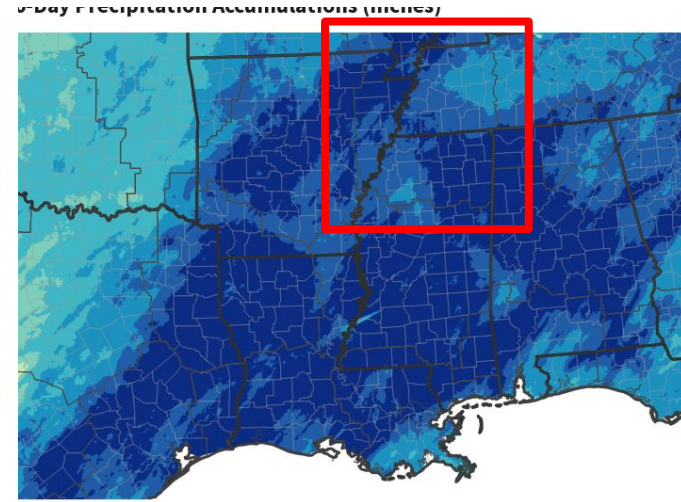
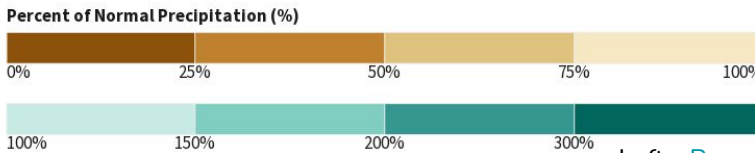
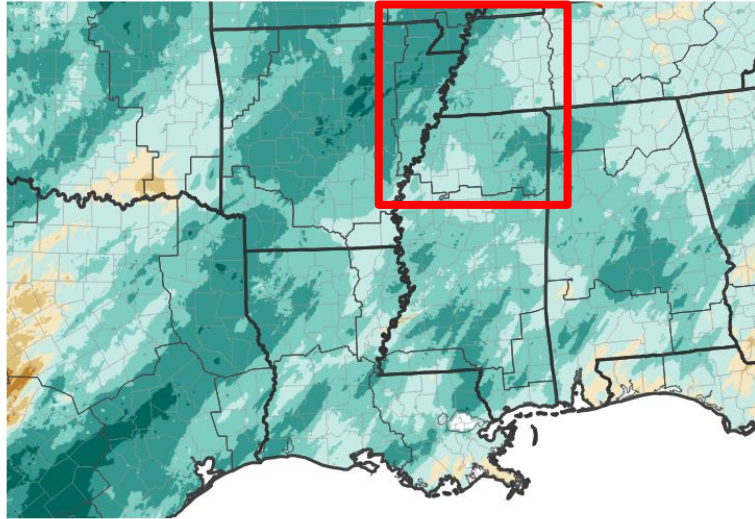




Precipitation

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

- Precipitation totals generally ranged from 4-8" across the Mid-South. The amount of precipitation received was welcomed, and generally above normal.
- The Mid-South experienced normal or above normal precipitation over the last 30 days.



Source(s): National Weather Service Multi-Radar Multi-Sensor System. Last Updated: 02/08/24

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, 8, 2024

Image Captions:



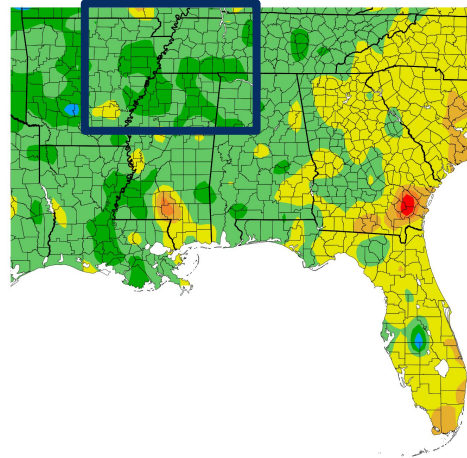


Temperature

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

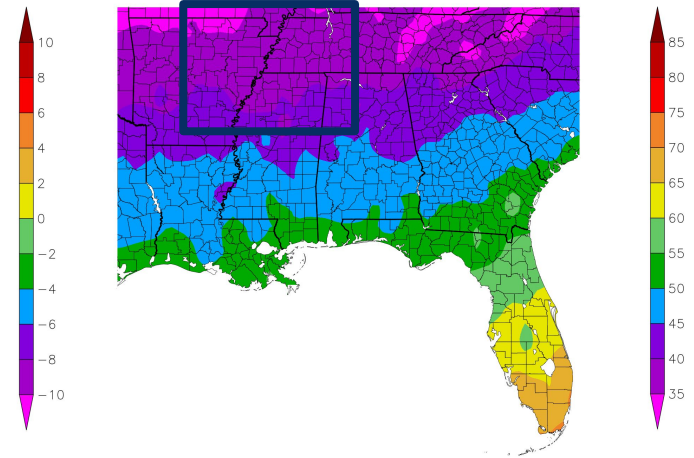
- Average temperatures have generally ranged from 30-40 degrees across the region over the last 30 days.
- Average temperatures were generally 2 to 4 degrees below normal across the region.

Departure from Normal Temperature (F)
1/9/2024 - 2/7/2024



Generated 2/8/2024 at HPRCC using provisional data.

Temperature (F)
1/9/2024 - 2/7/2024



NOAA Regional Climate Centers 4 at HPRCC using provisional data.

NOAA Regional Climate Centers

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 7, 2024





Summary of Impacts

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

Hydrologic Impacts

- The Mississippi River at Memphis is well above low-water threshold values. The extended river forecast shows a slow decline of the water level, but still above the threshold values.

Agricultural Impacts

- There are no known impacts at this time.

Fire Hazard Impacts

- 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

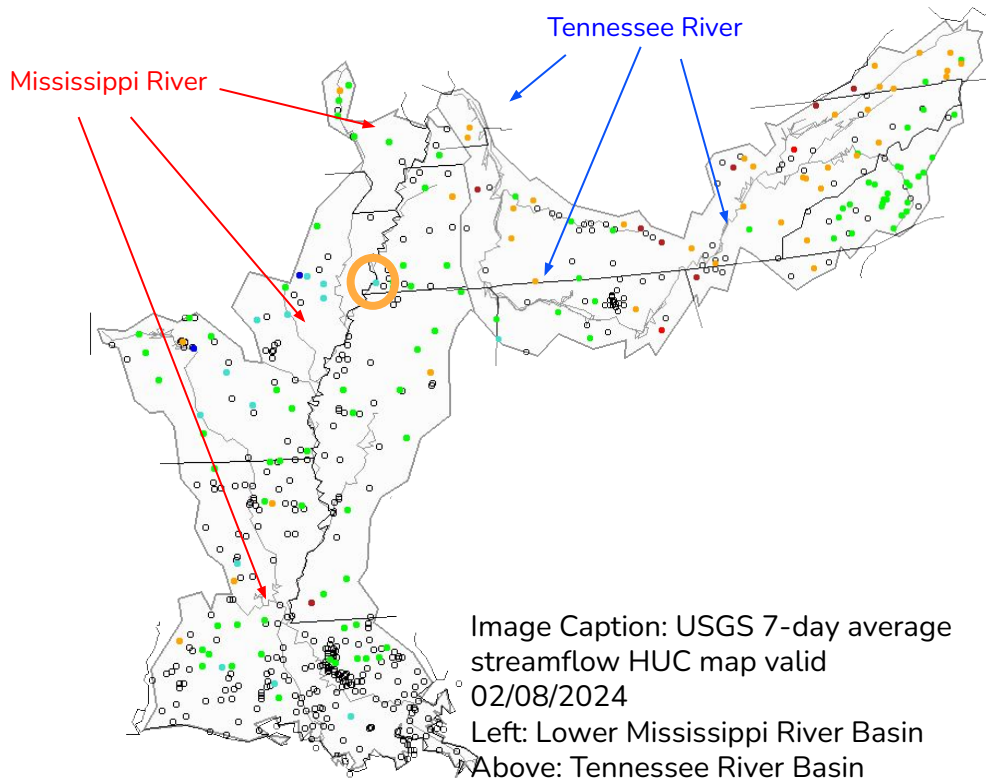


Image Caption: USGS 7-day average streamflow HUC map valid 02/08/2024
Left: Lower Mississippi River Basin
Above: Tennessee River Basin

- The **Mississippi River at Memphis** is well above low water threshold values. The extended river forecast shows a slow decline of the water level, but still above the threshold values.
- The Tennessee River feeds into the Mississippi River, and is also experiencing near to above normal water levels.



Fire Hazard Impacts

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

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

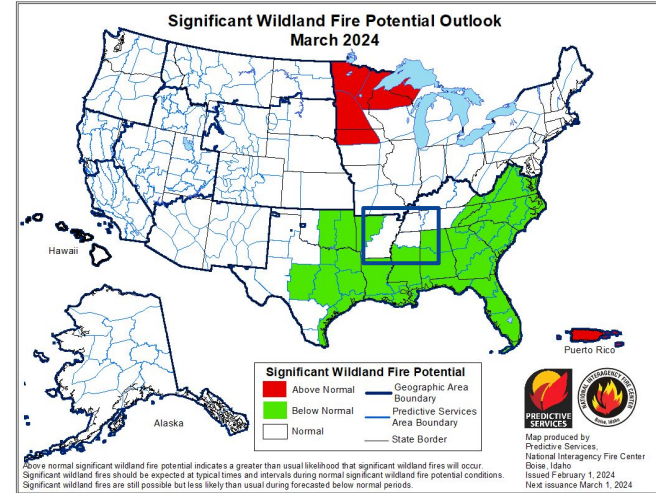
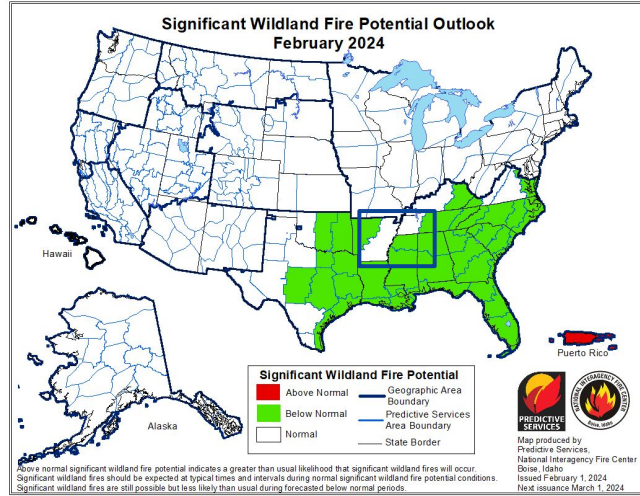


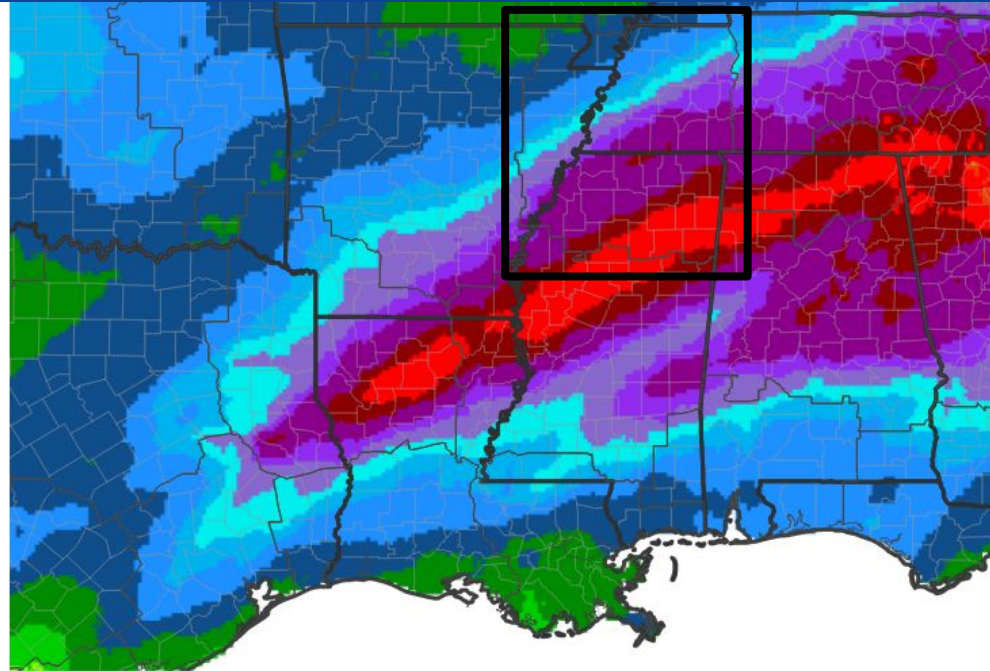
Image Caption: [Significant Wildland Fire Potential Monthly Outlook](#) for February 2024.





Seven Day Precipitation Forecast

- Precipitation ranges from 0.50-4” across the Mid-South.
- Highest forecast precipitation amounts (QPF) look to fall from 2/8-2/11.



Predicted Inches of Precipitation

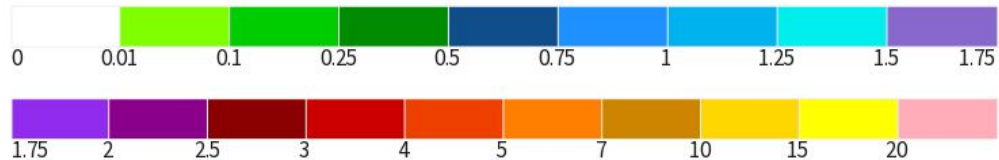


Image Caption: National Weather Service Weather Prediction Center courtesy of drought.gov ; 7-Day Quantitative Precipitation Forecast Valid February 8, 2024 through February 17, 2024





Long-Range Outlooks

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

- South of interstate 40 has equal chances of experiencing above or below normal temperatures, but a 33-40% of above normal temperatures mainly north of Interstate 40 for February.
- There is equal chances that precipitation in February will be above or below normal across the Mid-South. There exists a small swath along the TN/KY and AR/KY/MO statelines for below normal precipitation.
- In summary, February could go above or below normal for both precipitation and temperature.

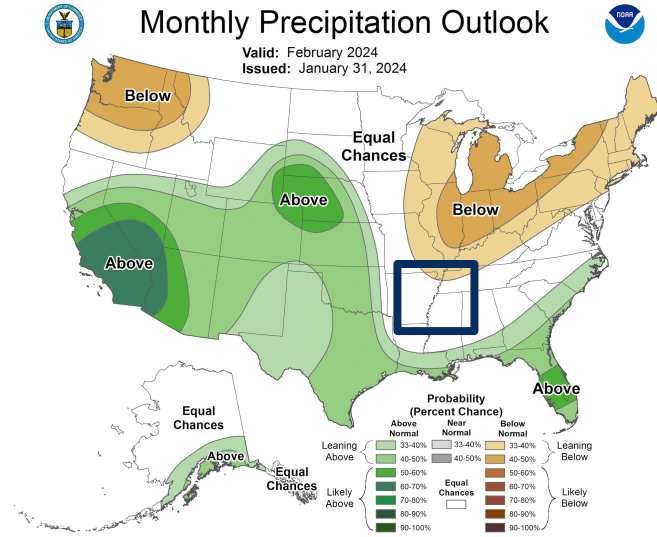
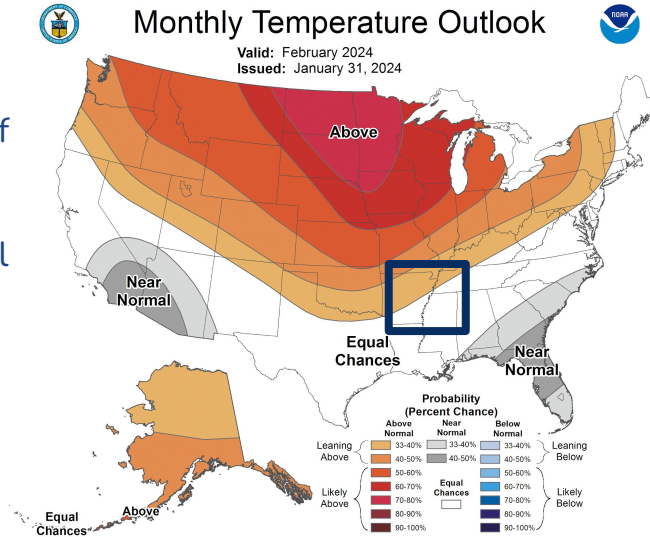


Image Captions:

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

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

Valid February 2024

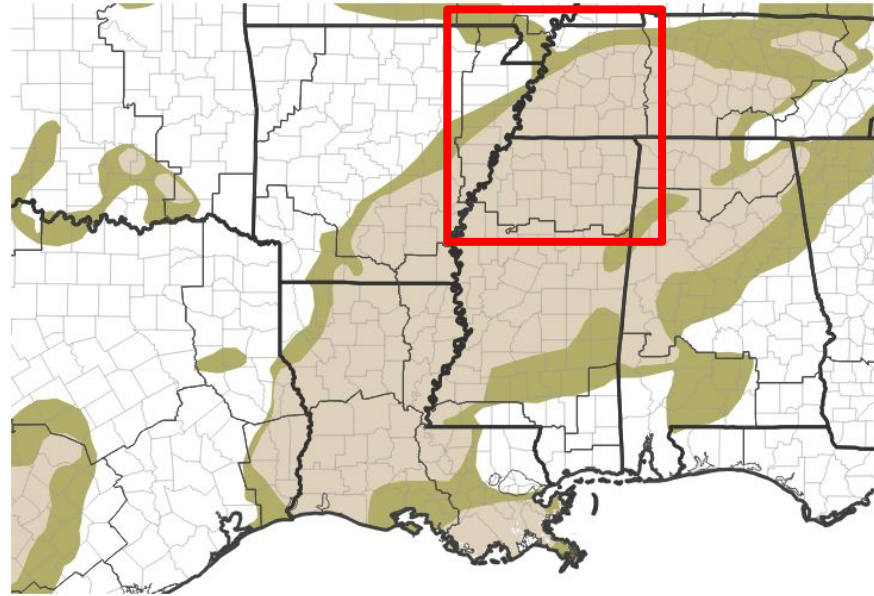




Drought Outlook

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

- Drought conditions are expected to improve for a majority of the Mid-South.
- Drought conditions are also likely to end across east-central and northeast AR, the MO Bootheel and West TN.



Drought Is Predicted To...



Image Caption:

Climate Prediction Center Monthly Drought Outlook Released
02/08/2024 valid for 03/2024

Links to the latest:

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

