

Drought Information Statement for the Mid-South

Valid 01/25/2024

Issued By: NWS Memphis, TN

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

- This product will be updated February 8, 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

- EXCEPTIONAL DROUGHT CONDITIONS CONTINUE
- Drought intensity and extent
 - D4 (Exceptional Drought): Continuing in north MS and a small swath in southern TN.
 - D3 (Extreme Drought): Continuing in north MS and a most of West TN.
 - D2 (Severe Drought): Continuing in southeast AR, extreme northeast MS, and portions of West TN.
 - D1 (Moderate Drought): A swath in east-central and far northeast AR, West TN, and the MO Bootheel.
 - D0 (Abnormally Dry): A small swath in northeast AR and a portion of the MO Bootheel.

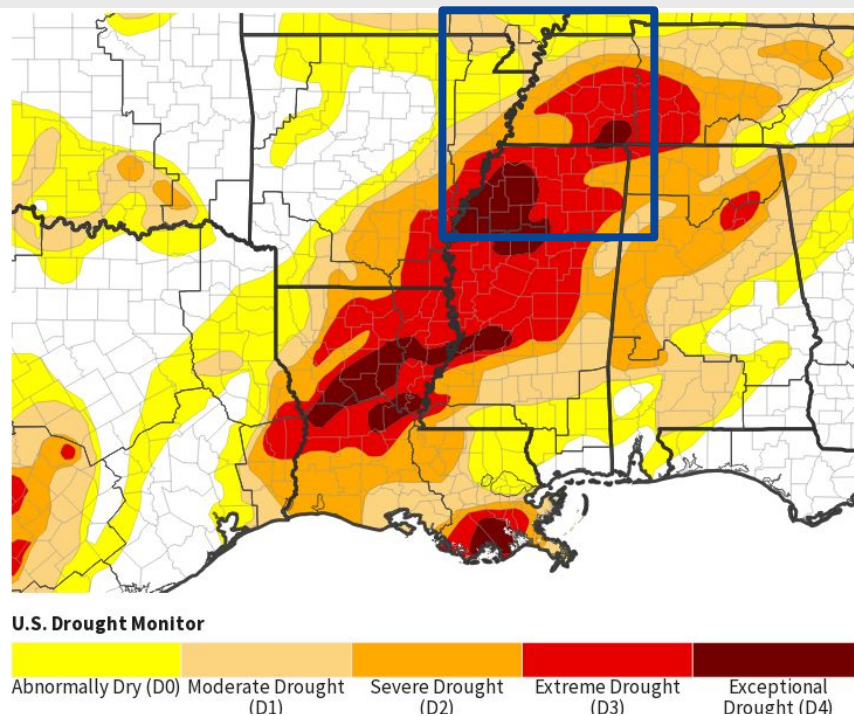


Image Caption: U.S. Drought Monitor valid 7am EST January, 23, 2024

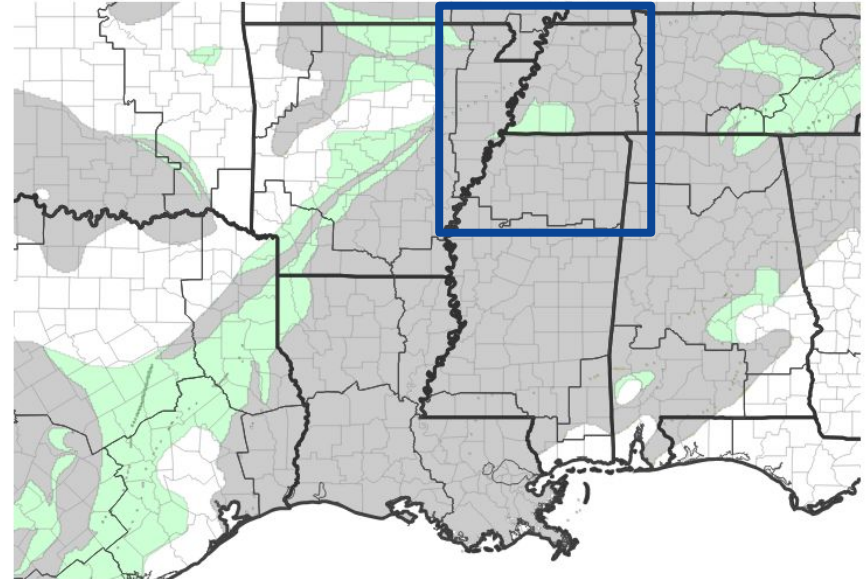




Recent Change in Drought Intensity

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 small portion in southwest TN.



Drought Change Since Last Week

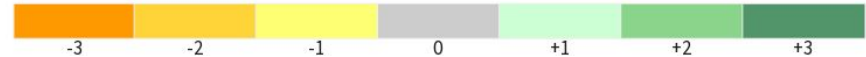


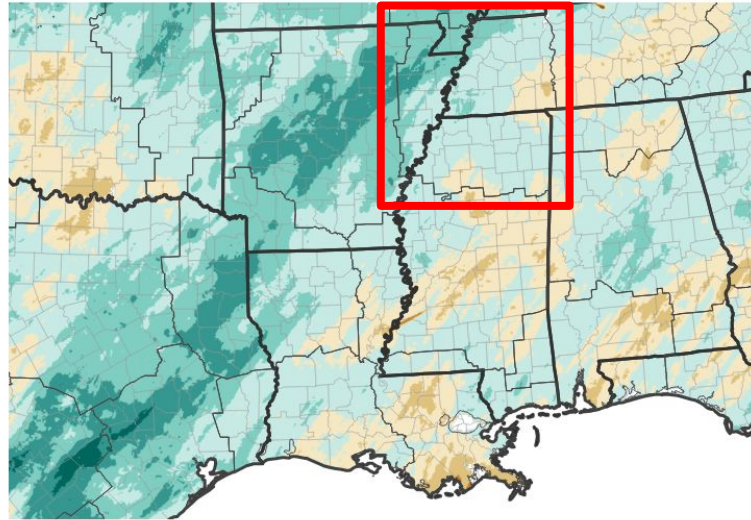
Image Caption: U.S. Drought Monitor 1-week change map valid 7 a.m. EST January 23, 2024



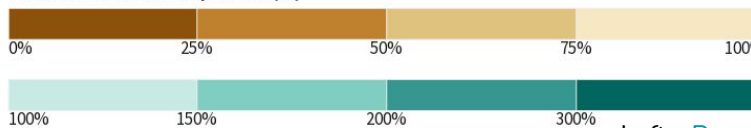
Precipitation

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

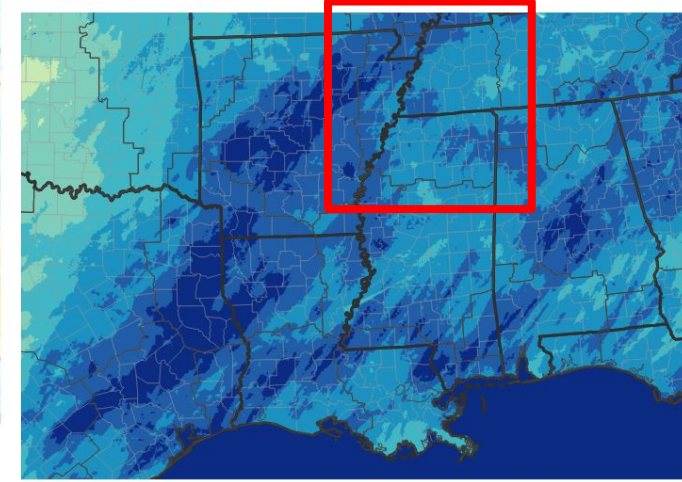
- Precipitation totals generally ranged from 2-6" across the Mid-South. The amount of precipitation received was welcomed, and generally above normal except for a portions of southern TN and north MS.
- The Mid-South experienced near normal or above normal precipitation over the last 30 days.



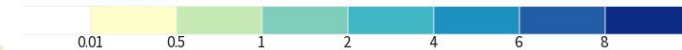
Percent of Normal Precipitation (%)



5-day Precipitation Accumulations (inches)



inches of Precipitation



Source(s): National Weather Service Multi-Radar Multi-Sensor System Last Updated: 01/25/24

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 January 25, 2024

Image Captions:



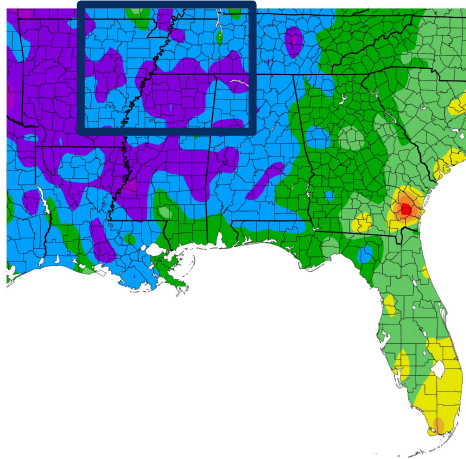


Temperature

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

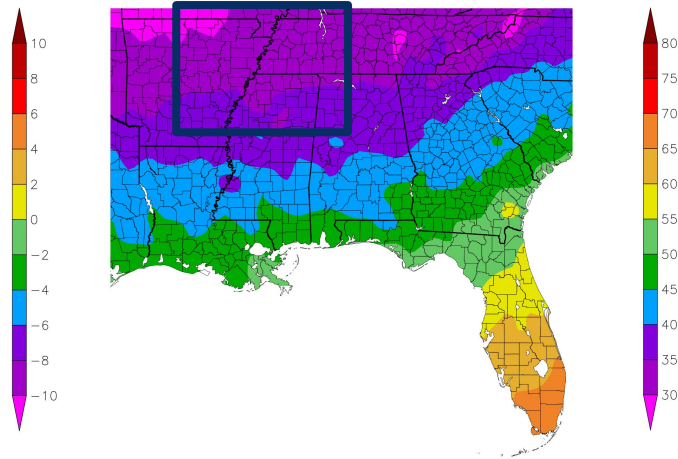
- Average temperatures have generally ranged from 30-40 degrees across the region over the last 30 days.
- Average temperatures were generally 2 to 8 degrees below normal across the region.

Departure from Normal Temperature (F)
12/26/2023 – 1/24/2024



Generated 1/25/2024 at HPRCC using provisional data.

Temperature (F)
12/26/2023 – 1/24/2024



NOAA Regional Climate Centers 24 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 January 24, 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

- The Mississippi River at Memphis is above low-water threshold values. The extended river forecast shows a drop to near low-water threshold values before another rise in water due to snowmelt across the Northern Plains.

Agricultural Impacts

- Pastures are providing marginal feed; supplemental feeding required across portions of north MS and West TN.

Fire Hazard Impacts

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

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

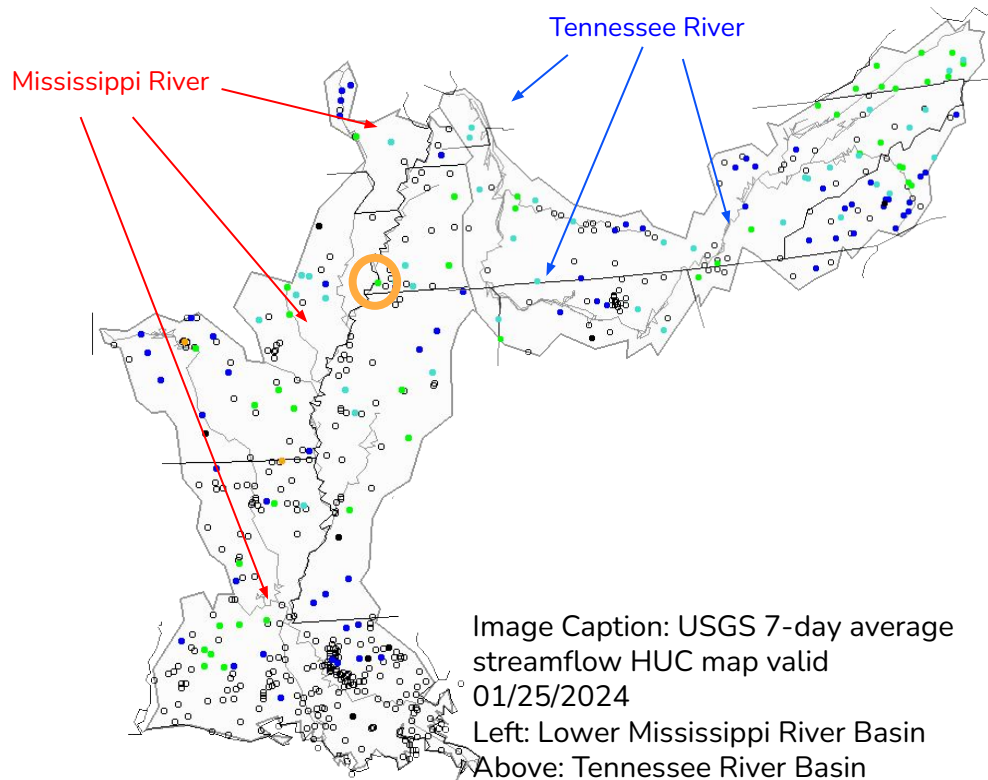


Image Caption: USGS 7-day average
streamflow HUC map valid
01/25/2024
Left: Lower Mississippi River Basin
Above: Tennessee River Basin

- The **Mississippi River at Memphis** is above low water threshold values. The extended river forecast shows a drop to near low-water threshold values before another rise in water due to snowmelt across the Northern Plains.
- The Tennessee River feeds into the Mississippi River, and is also experiencing near to above normal water levels.





Agricultural Impacts

- Soil moisture is roughly 10% of normal (or lower) across the entire Mid-South.
- Crop yield has been negatively affected in a few areas in northwest MS. There is a small area of abnormally moist soil in eastern AR.
- Pastures in northwest MS and West TN are producing less feed for cattle than normal and require supplemental feeding.

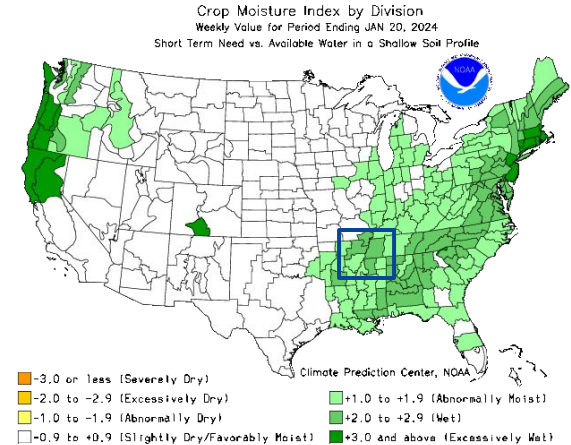
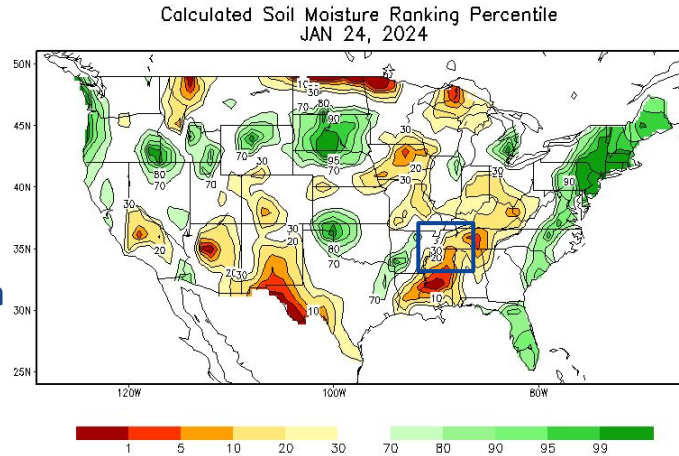


Image Captions:

Left: CPC Calculated [Soil Moisture Ranking Percentile](#) valid January 24, 2024

Right: [Crop Moisture Index by Division](#). Weekly value for period ending January 20, 2024





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 January. Normal to below normal wildland fire is expected for February.
- Burn Bans currently in effect for:
 - Arkansas: None.
 - Missouri: None.
 - Mississippi: None.
 - Tennessee: None.

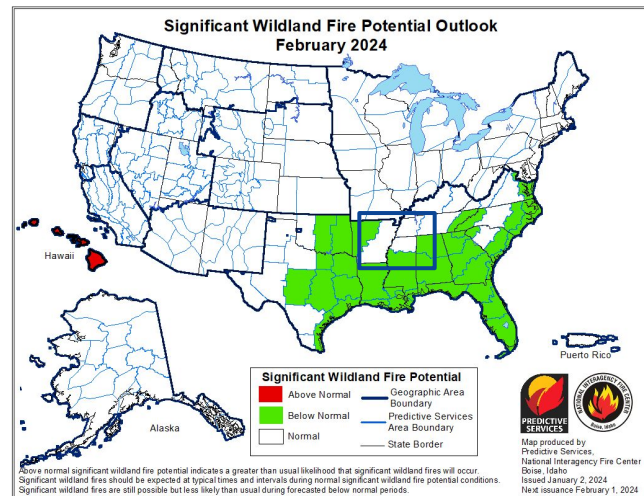
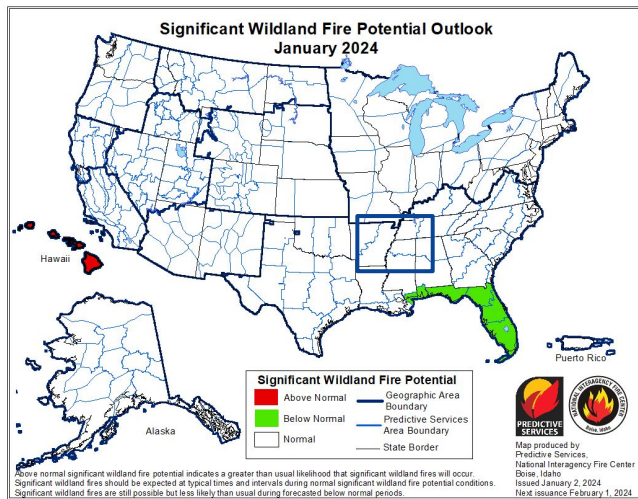


Image Caption: [Significant Wildland Fire Potential Monthly Outlook](#) for January 2024.



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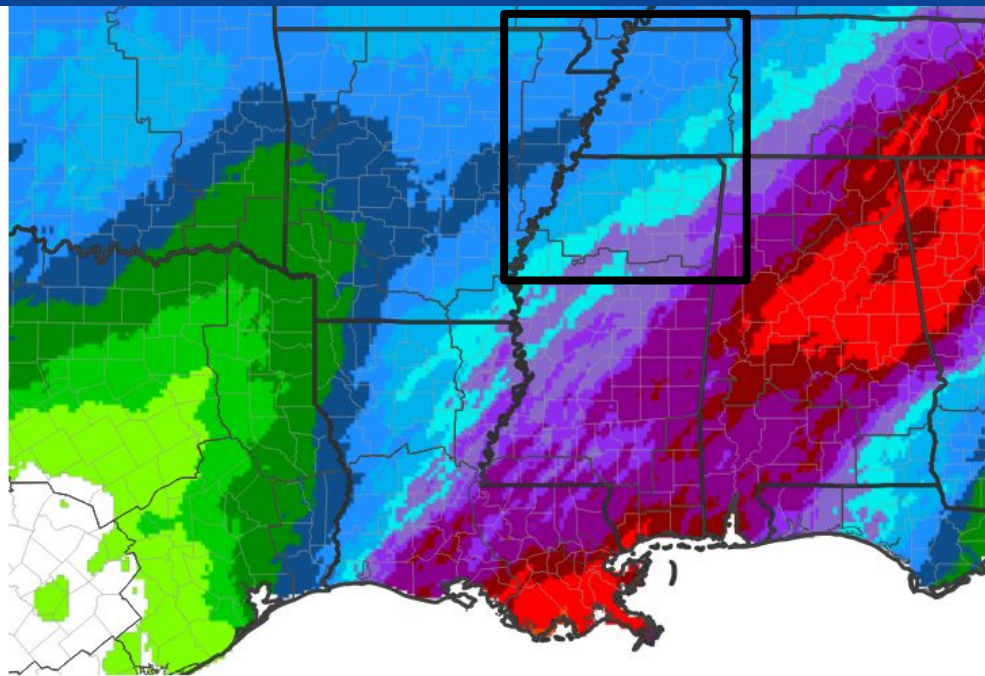
U.S. Department of Commerce

National Weather Service
Memphis, TN



Seven Day Precipitation Forecast

- Precipitation ranges from 0.50-2" across the Mid-South.
- Highest forecast precipitation amounts (QPF) look to fall on Saturday 1/27.



Predicted Inches of Precipitation

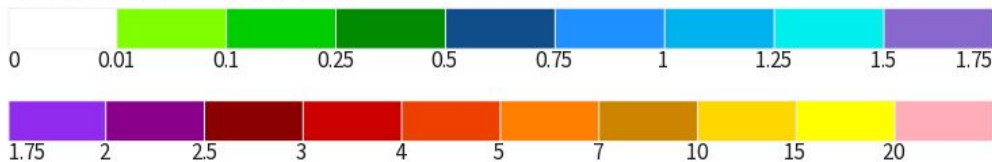


Image Caption: National Weather Service Weather Prediction Center courtesy of drought.gov ; 7-Day Quantitative Precipitation Forecast Valid January 25, 2024 through February 1, 2024





U.S. Hazards Outlook

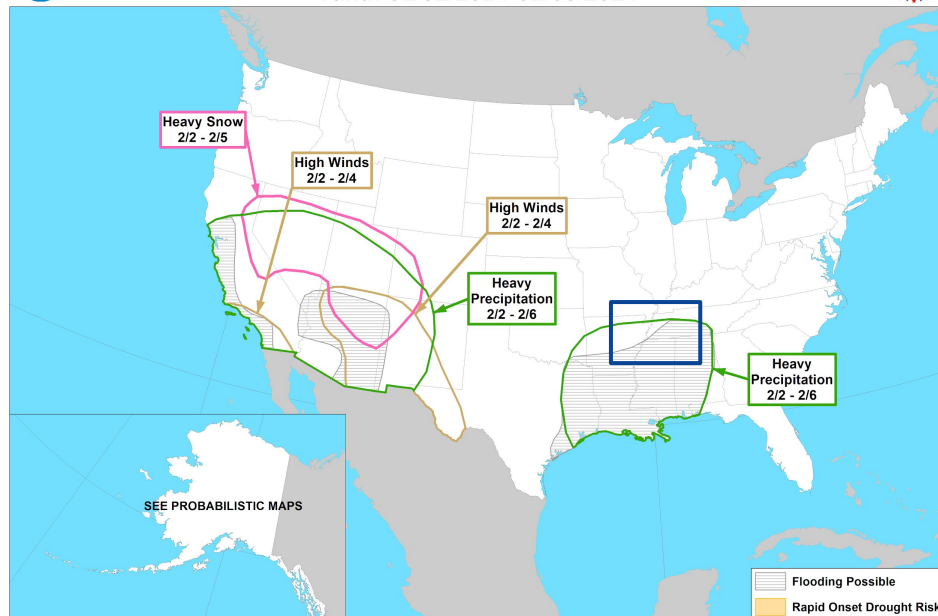
Links to the latest Climate Prediction Center 8 to 14 day [Temperature Outlook](#) and [Precipitation Outlook](#).

- There is a potential for heavy precipitation across north Mississippi on 2/3/24-2/5/24



Day 8-14 U.S. Hazards Outlook

Valid: 02/02/2024-02/08/2024



Climate Prediction Center

Made: 01/25/2024 3PM EST

Follow us: [f](#) [X](#)

www.cpc.ncep.noaa.gov

Image Caption:

[Days 8 to 14 U.S. Hazards Outlook](#) Valid 2/1/2024 through 2/7/2024.



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Memphis, TN



Long-Range Outlooks

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

- The entire Mid-South has equal chances of experiencing above or below normal temperatures for the rest of January.
- There is a 33-50% chance that the rest of January precipitation will be above normal across the Mid-South.
- In summary, January is trending wetter than normal, but could be above or below normal temperatures.

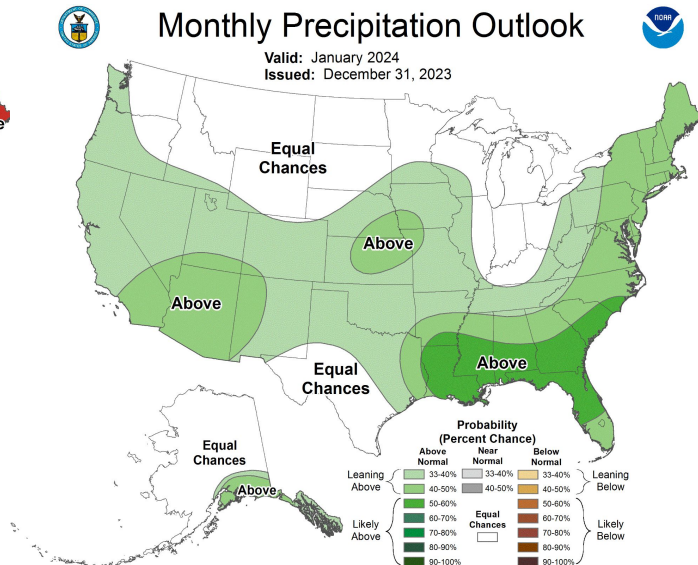
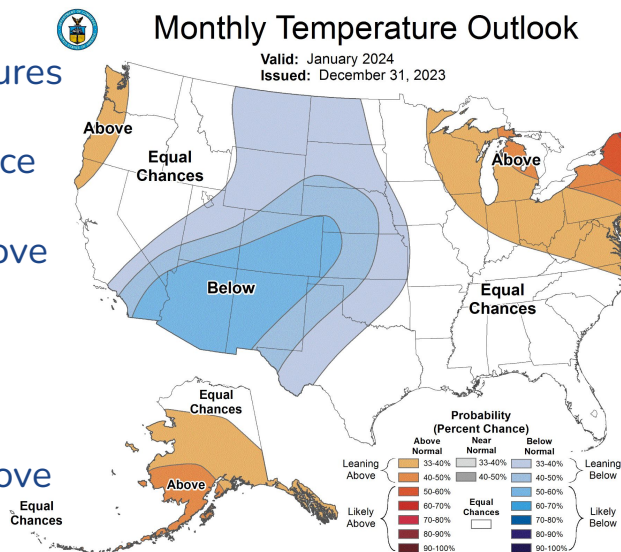


Image Captions:

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

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

Valid January 2024



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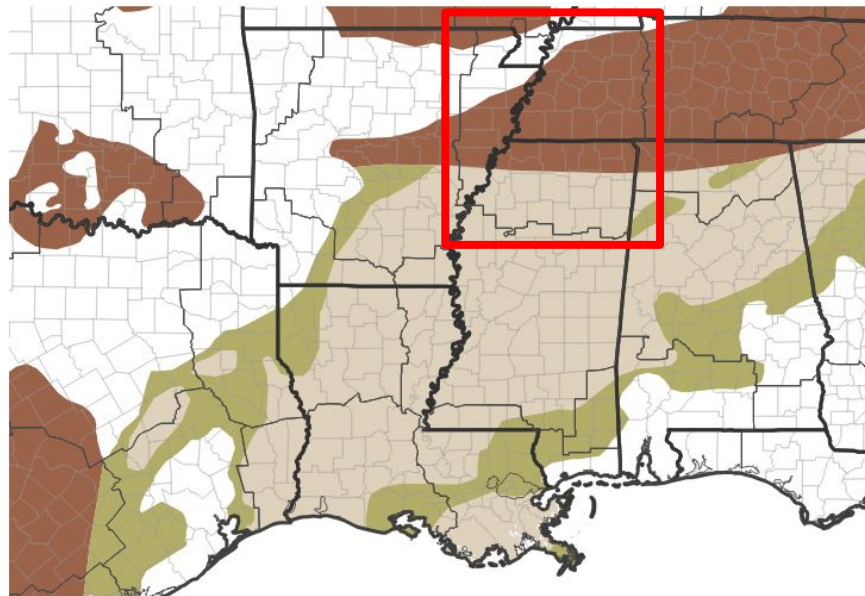
National Weather Service
Memphis, TN



Drought Outlook

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

- Drought conditions are expected to improve across north MS.
- Drought conditions are also likely to persist across east-central AR and west TN.



Drought Is Predicted To...



Image Caption:

Climate Prediction Center Monthly Drought Outlook Released
01/25/2024 valid for 02/2024

Links to the latest:

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



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