



Drought Information Statement for the ArkLaMiss Region

Valid November 18, 2023

Issued By: WFO Jackson, MS

Contact Information: sr-jan.webmaster@noaa.gov

- This product will be updated December 1, 2023 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/jan/DroughtInformationStatement> for previous statements.



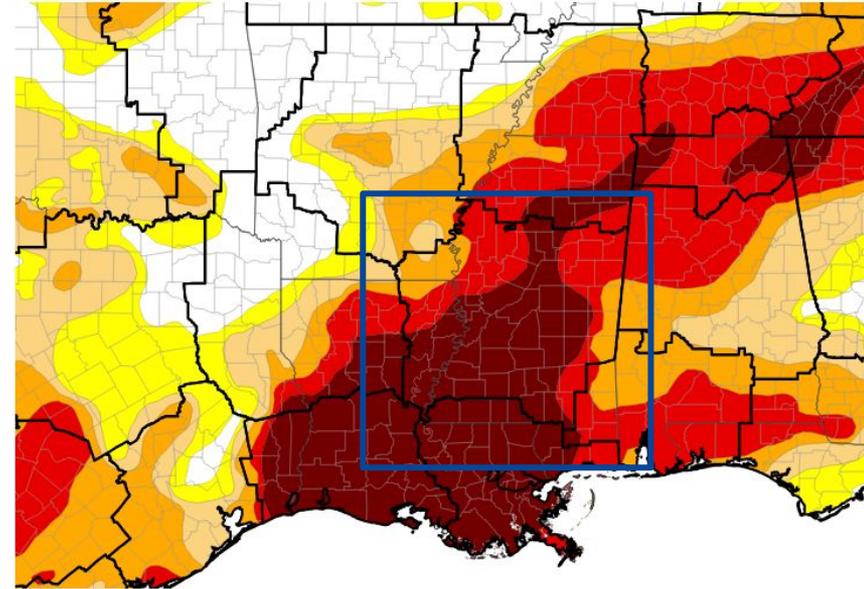


U.S. Drought Monitor

Link to the [latest U.S. Drought Monitor](#) for the ArkLaMiss Region

- SEVERE TO EXCEPTIONAL DROUGHT CONDITIONS CONTINUE
- Drought intensity and Extent
 - D4 (Exceptional Drought): Coverage includes large portions of central and southern MS & northeast LA
 - D3 (Extreme Drought): Coverage includes most of MS & northeast LA
 - D2 (Severe Drought): Coverage includes southeast AR & portions of eastern MS
 - D1 (Moderate Drought): Coverage includes portions of southeast AR
 - D0: (Abnormally Dry): None in the area of concern

U.S. Drought Monitor



U.S. Drought Monitor



Source(s): NDMC, NOAA, USDA; image courtesy of Drought.gov

Data Valid: 11/14/23





Recent Change in Drought Intensity

Link to the latest [4-week change map](#) for the ArkLaMiss Region

- Four Week Drought Monitor Class Change.
 - Drought Worsened: There has been a general worsening of drought conditions in the region, with 1- and 2-class degradations across portions of north and east MS and southeast AR.
 - No Change: Most of central MS and northeast LA have remained unchanged, with continued severe to exceptional drought intensity.
 - Drought Improved: None in the area of concern.

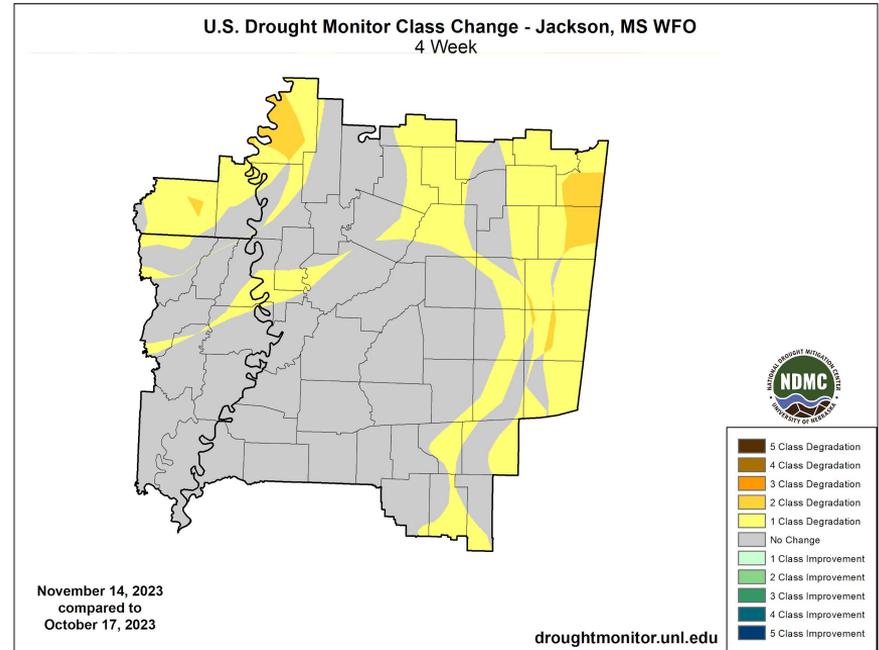


Image Caption: U.S. Drought Monitor 4-week change map valid 6am CST November 14, 2023.

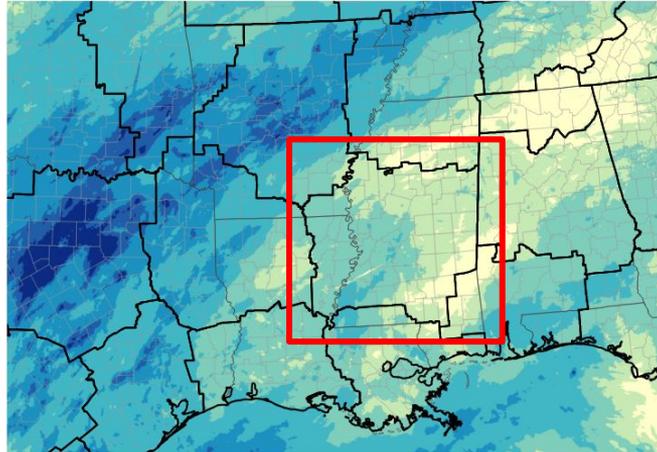




Precipitation

- Over the last 30 days most locations received between one half inch and 2 inches of rain, but some areas received less than a half inch.
- For a majority the area, this was still less than 25% to 50% of normal rainfall for this time of year.

30-Day Precipitation Accumulations (Inches)

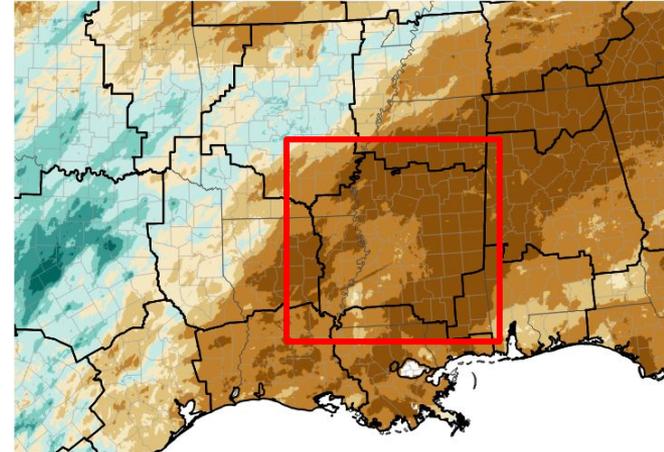


Inches of Precipitation

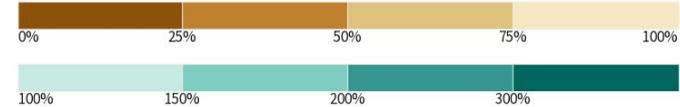


Source(s): National Weather Service Multi-Radar Multi-Sensor System; image courtesy of Drought.gov Last Updated: 11/17/23

30-Day Percent of Normal Precipitation



Percent of Normal Precipitation (%)



Source(s): National Weather Service Multi-Radar Multi-Sensor System; image courtesy of Drought.gov Last Updated: 11/17/23

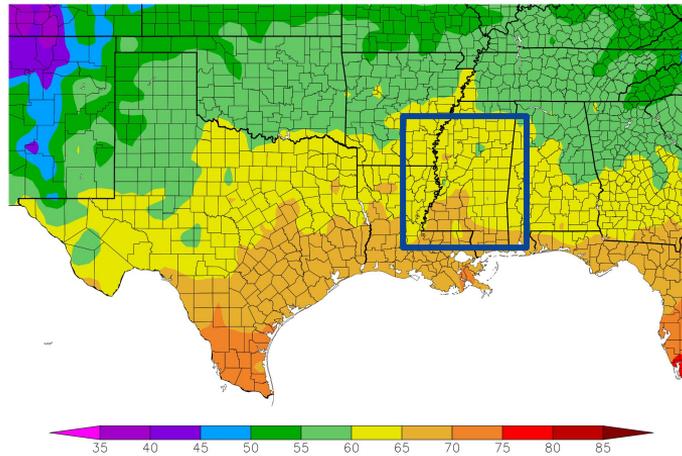




Temperature

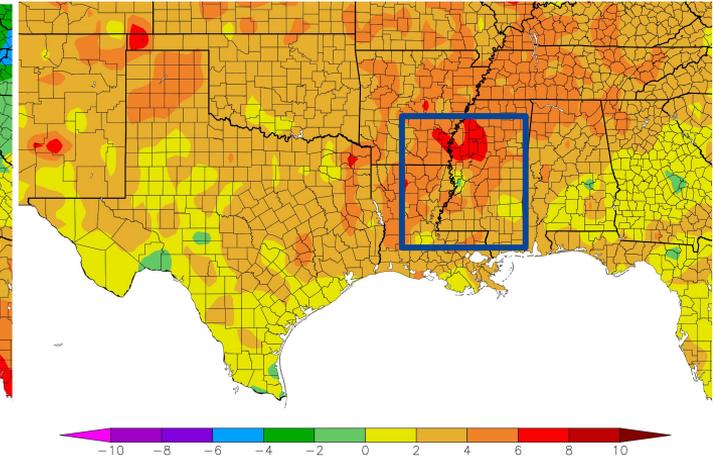
- Over the last 30 days, average temperatures were between 61 to 67 degrees.
- These were mostly about 3 to 6 degrees warmer than normal for this time of year.

Temperature (F)
10/19/2023 – 11/17/2023



generated 11/18/2023 at HPRCC using provisional data.

Departure from Normal Temperature (F)
10/19/2023 – 11/17/2023



NOAA Regional Climate Center generated 11/18/2023 at HPRCC using provisional data.

NOAA Regional Climate Center

Image Captions:
Left - Average Temperature
Right - Departure from Normal Temperature
Data Courtesy High Plains Regional Climate Center.
Data over the past 30 days ending 11/17/2023





Hydrologic Conditions and Impacts

- Over the past week, area streamflows across most of the region were at normal to below normal levels, and some were at much below normal levels.
- Area pond storage also continues to suffer, with pond levels lower than normal or dry.

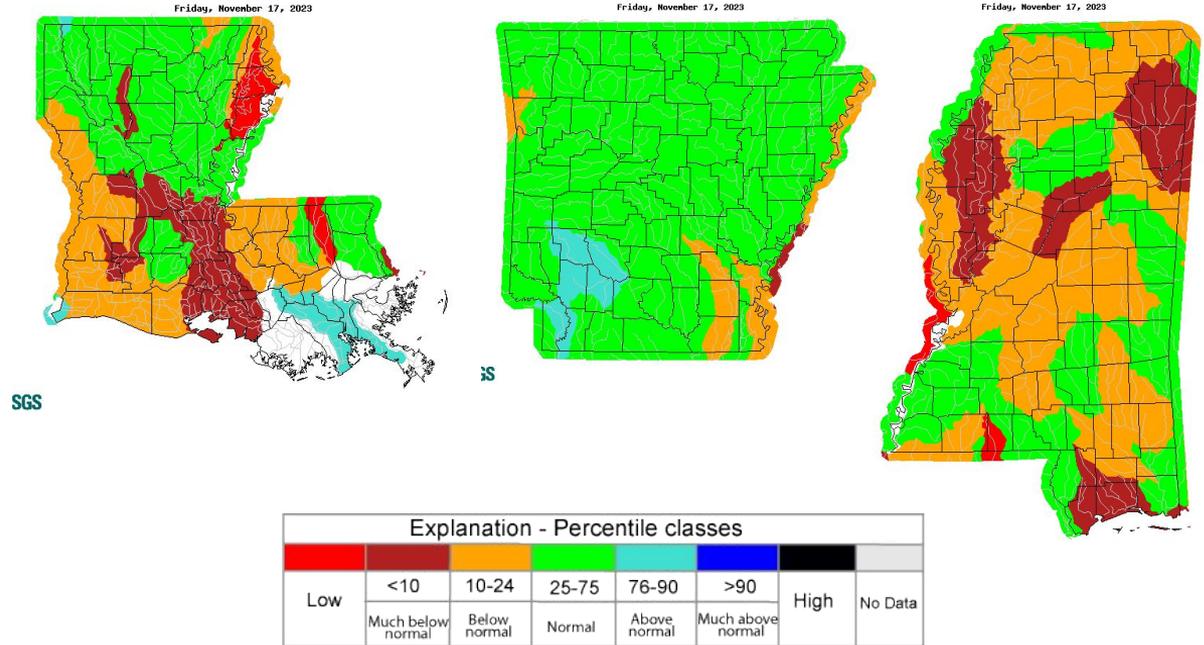


Image Caption: USGS 7-day average streamflow HUC maps valid 11/17/2023.





Agricultural Impacts

- Despite some recent rainfall and improvement of topsoil moisture, topsoil and subsoil moisture values remain very low.
- Crop yields have been severely affected including loss of up to 90% of cotton and severe loss of pine trees on some pine plantations and tree farms.
- Supplemental feeding for cattle began early across the region.

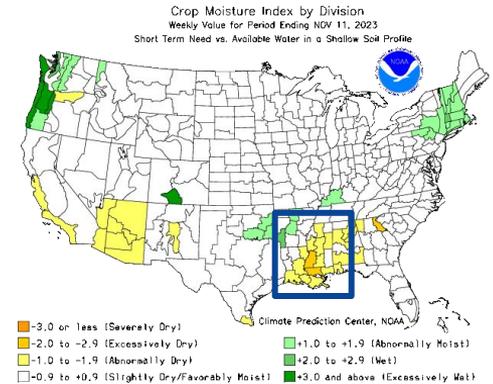
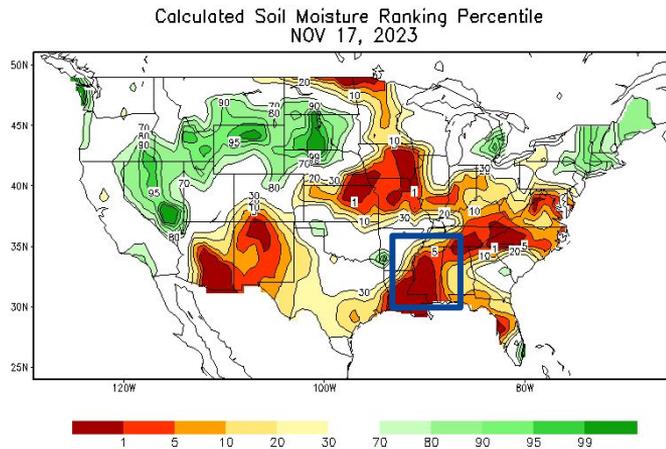


Image Captions:

Left: CPC Calculated [Soil Moisture Ranking Percentile](#) valid November 17, 2023.

Right: [Crop Moisture Index by Division](#). Weekly value for period ending November 11, 2023.





Fire Hazard Impacts

Link to [Wildfire Potential Outlooks from the Southern Area Coordination Center](#)

- Record high values of the KBDI indicate potential for extreme fire intensity in forested areas.
 - The outlook for significant wildfire potential through the end of November remains above normal.
 - Burn bans remain in place across portions of the region.
- Latest maps for burn bans in: [MS](#), [LA](#), [AR](#).

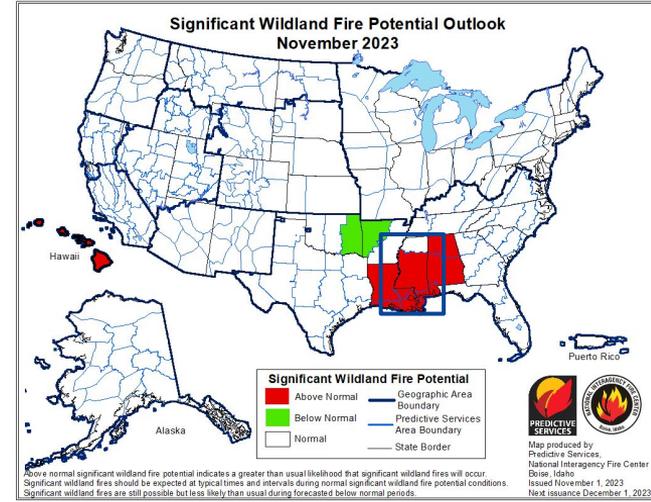
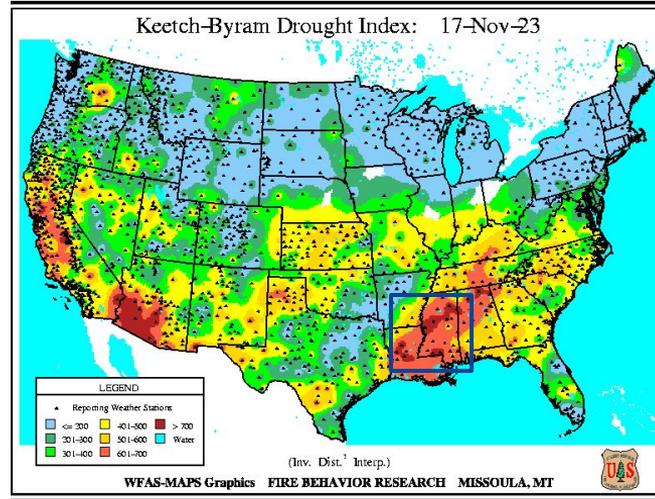


Image Captions:

Left: [Latest Keetch-Byram Drought Index](#) valid for November 17, 2023.

Right: [Significant Wildland Fire Potential Monthly Outlook](#) for November 2023.





Seven Day Precipitation Forecast

- A storm system moving through the region between November 20th-23rd will bring some much needed rainfall to our area.
- Average rain amounts are expected to range from 0.75" to 2.00".
- This should provide additional drought relief to portions of the WFO Jackson, MS forecast area.

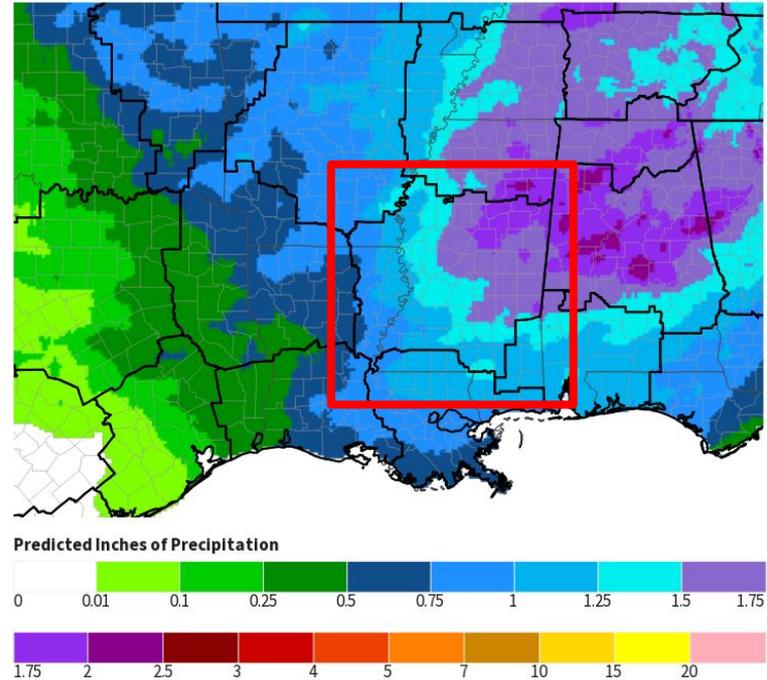


Image Caption: Weather Prediction Center [7-day precipitation forecast](#) valid Saturday, November 4th to Friday, November 10th





Summary of Impacts

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

Hydrologic Impacts

- Low streamflows continue to affect most area rivers, and pond storage levels are decreased across the region, which are negatively impacting recreational and agricultural activities.

Agricultural Impacts

- Significant impacts have been felt by agricultural producers in the region including substantial reductions in crop output, tree death, and supplemental feeding requirements for livestock.

Fire Hazard Impacts

- Dead and drought stressed vegetation is contributing to increased wildfire intensity.

Other Impacts

- Please submit observed impacts using the CMOR app. More information available [here](#).

Mitigation Actions

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

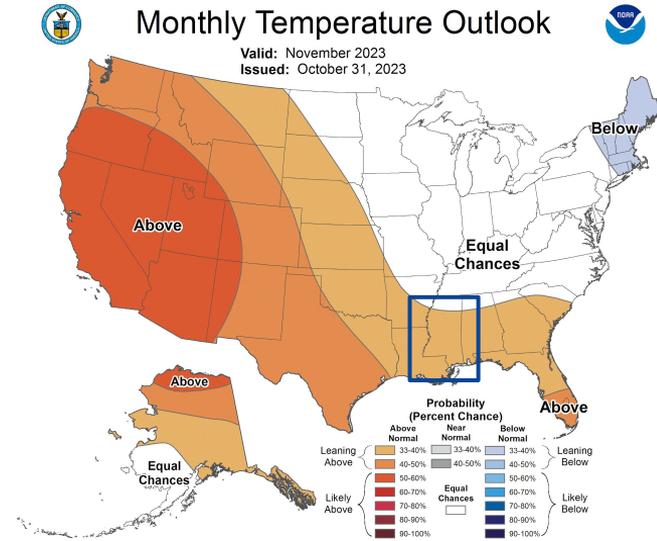
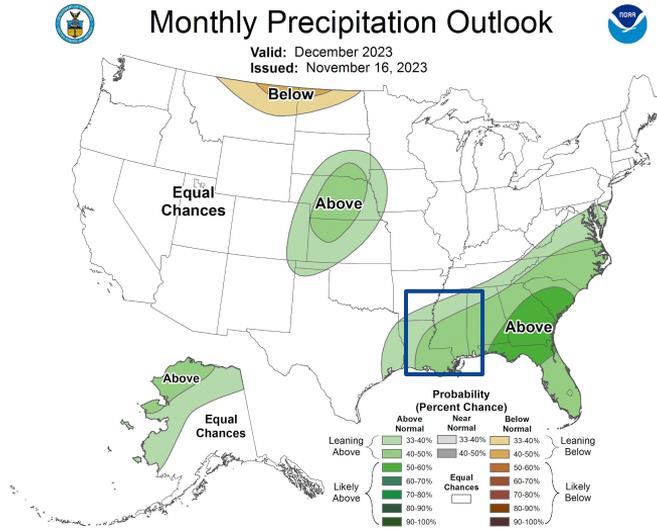




Long-Range Outlooks

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

- The pattern over the next month will lean toward warmer than normal temperatures.
- Chances lean toward above normal precipitation especially closer to the Gulf Coast.



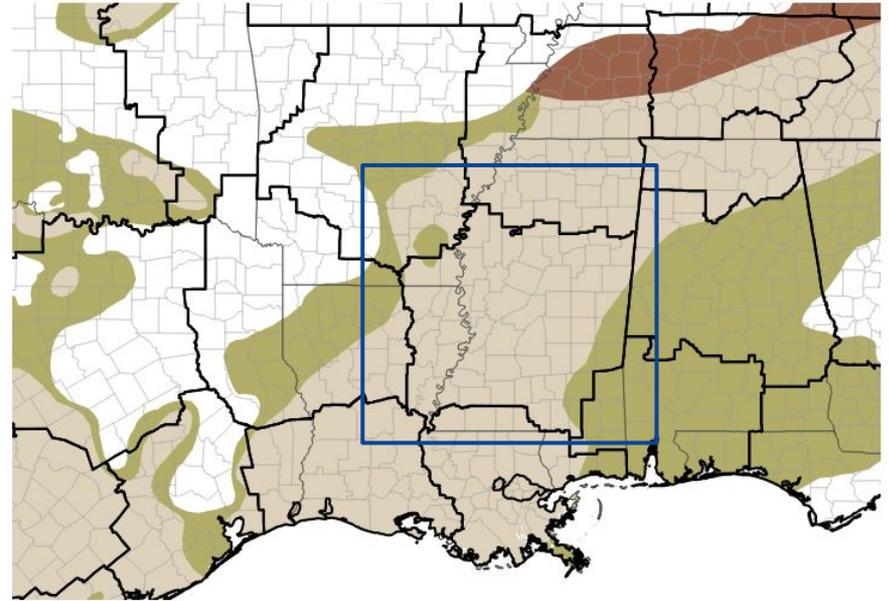


Drought Outlook

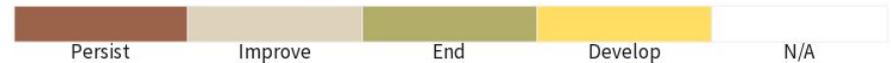
The latest monthly and seasonal outlooks can be found on the [CPC homepage](#).

- Drought conditions are expected to persist across the region through the end of November.
- With a climate outlook for this winter (December - February) of likely above normal precipitation, drought conditions are expected to improve or end over the course of the winter.

Seasonal (3-Month) Drought Outlook



Drought Is Predicted To...



Source(s): Climate Prediction Center; image courtesy of Drought.gov

Data Valid: 11/16/23

