



# Drought Information Statement for North Louisiana, East Texas, Southwest Arkansas, and Extreme Southeast Oklahoma

Valid November 3, 2023

Issued By: NWS Shreveport

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- This product will be updated by early December 2023 if drought conditions change significantly.
- Please see all currently available products at <https://drought.gov/drought-information-statements>.
- Please visit <https://www.weather.gov/shv/DroughtInformationStatement> for previous statements.

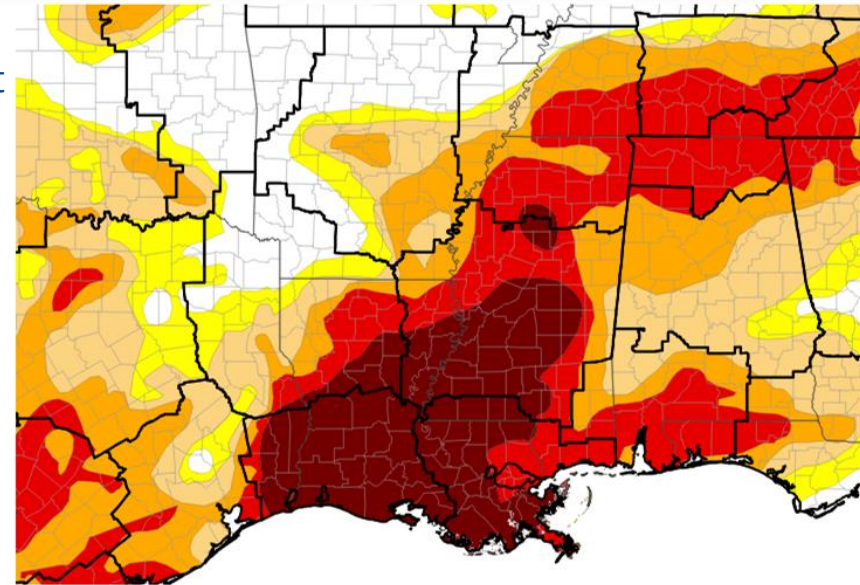




# U.S. Drought Monitor

Link to the [latest U.S. Drought Monitor](#) for Southeast OK, Southwest AR, East TX, and North LA

- Abundant Rains During October Have Eliminated Drought across Northeast Texas, extreme Southeast Oklahoma, and Southwest Arkansas.
- Drought Conditions Have Improved across Lower East Texas and extreme Northwest Louisiana, but Severe to Exceptional Drought Continues across portions of Deep East Texas and Northcentral Louisiana.
- Drought Intensity and Extent
  - D4 (Exceptional Drought): Portions of Central LA
  - D3 (Extreme Drought): Sabine County TX and Northcentral LA
  - D2 (Severe Drought): Panola, Shelby, and San Augustine County TX and portions of North LA
  - D1 (Moderate Drought): Lower East TX and extreme Northwest LA
  - D0 (Abnormally Dry): East TX (along the I-20 corridor) and portions of extreme Northwest LA



U.S. Drought Monitor

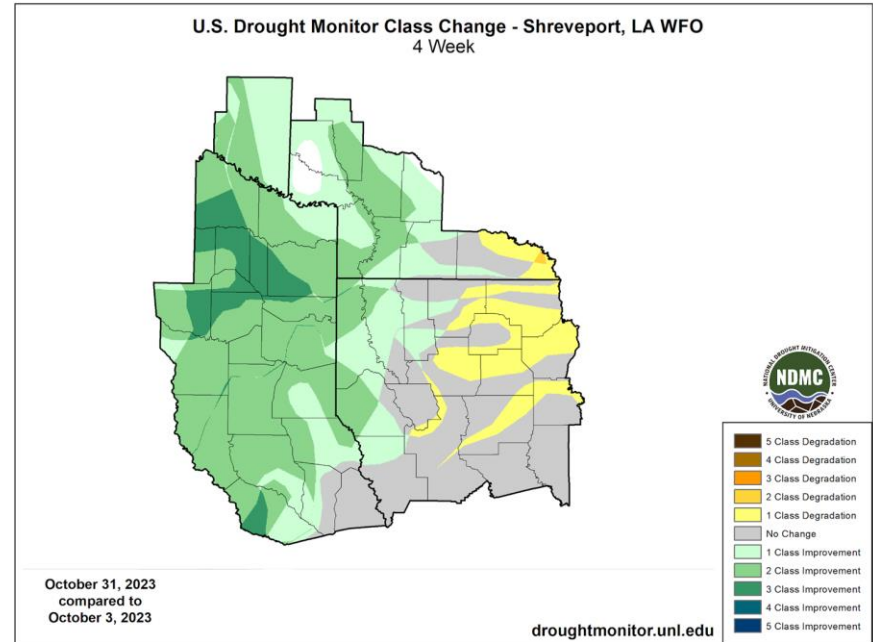




# Recent Change in Drought Intensity

Link to the latest [4-week change map](#) for Southeast OK, East TX, Southwest AR, and North LA

- 4 Week Drought Monitor Class Change.
  - A wet October across East Texas, Southeast Oklahoma, Southwest Arkansas, and portions of extreme Northwest Louisiana has resulted in considerable improvement to drought conditions over the last month.
  - Little change to even degradation of drought to Extreme and Exceptional has been observed across much of North Louisiana and Union County Arkansas.



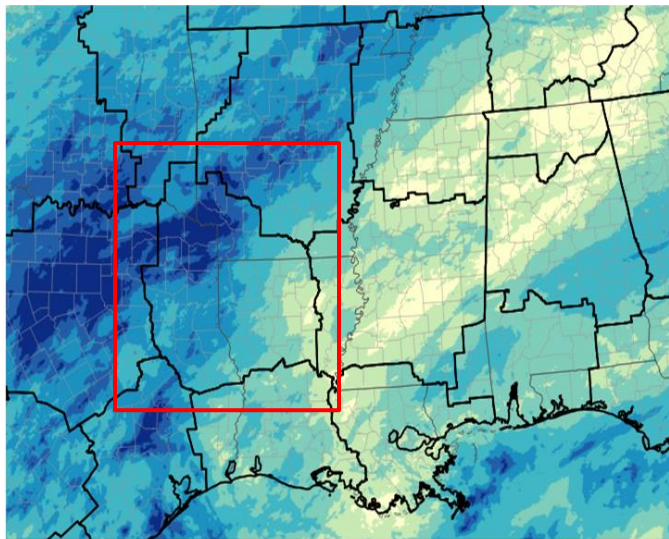




# Precipitation

- Widespread rainfall of 4-10+ inches fell across much of East TX, Southeast OK, Southwest AR, and extreme Northwest LA during October (in the left image). Monthly amounts of 0.25-2.00 inches were observed farther east across much of North and Northeast LA.
- Much above normal rainfall (2-3 times the monthly averages) fell along the I-30 corridor of Northeast TX and Southwest AR (in the right image). Monthly rainfall amounts only averaged 10-25% of normal across much of Northcentral LA.

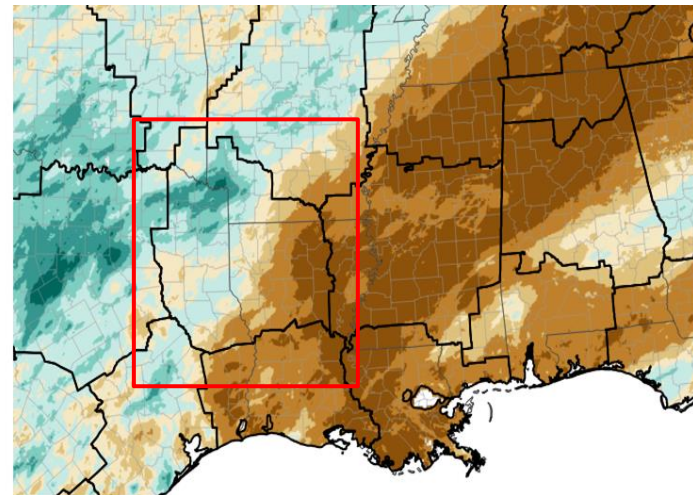
### 30 Day Precipitation Accumulations (Inches)



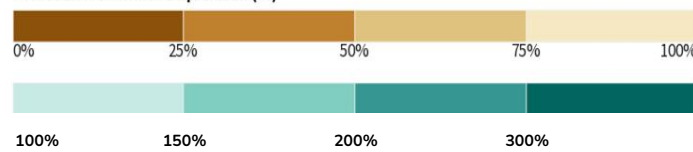
Inches of Precipitation



### 30 Day Percent of Normal Precipitation



Percent of Normal Precipitation (%)



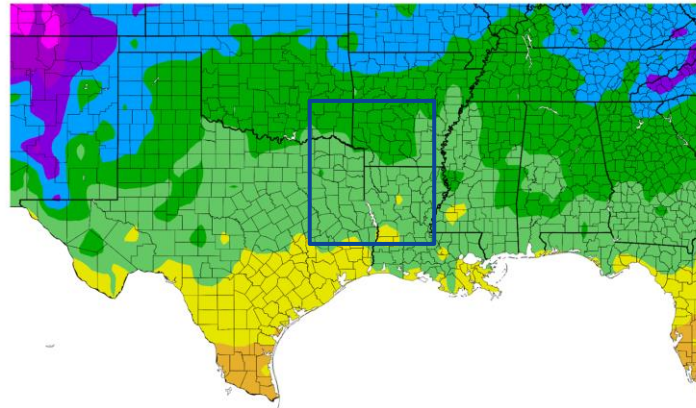


# Temperature

Imagery from the High Plains Regional Climate Center

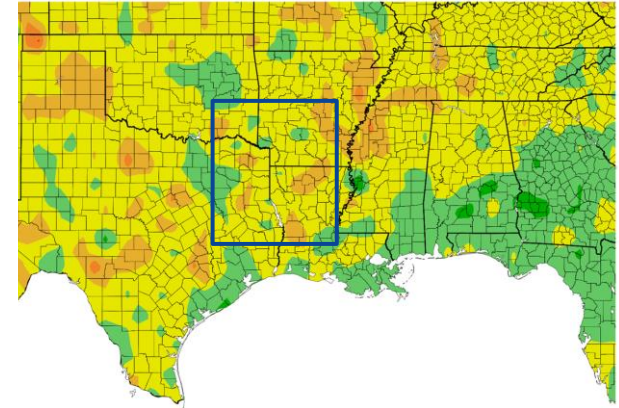
- After above normal temperatures were observed during September, October followed suit with the continuation of above normal temperatures across much of the region.
- October average temperatures averaged 1-3 degrees above normal areawide.

Temperature (F)  
10/1/2023 - 11/2/2023



Generated 11/3/2023 at HPRCC using provisional data.

Departure from Normal Temperature (F)  
10/1/2023 - 11/2/2023



NOAA Regional Climate Centers 23 at HPRCC using provisional data.

NOAA Regional Climate Centers





# Summary of Impacts

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

## Hydrologic Impacts

- Some recovery of creeks, streams, and bayous have been observed across much of Lower East TX, but many others across WestCentral and Northcentral Louisiana remain very low or completely dry. However, area lakes and reservoirs remain near or slightly below normal pool stage.

## Agricultural Impacts

- The recent rainfall has promoted some greenup of area pastures, but the widespread freeze observed on Nov. 1st-2nd has ended the growing season. With producers getting one or NO cutting of hay this summer, supplemental feeding of cattle continues across North LA and East TX. Stock ponds remain very low or completely dry across much of North LA. Many producers have been unable to prep for fall planting.

## Fire Hazard Impacts

- A low to moderate fire danger remains across much of the Four State Region, with the greatest potential impacts over Sabine County TX into much of North LA given the dry fuels in place. These drought stressed fuels remain conducive for fire initiation and spread.

## Other Impacts

- In addition to vegetation, numerous trees have died or lost significant foliage due to inadequate deep soil moisture.

## Mitigation Actions

- Smaller communities have enacted water restrictions due to excessive use or lower than normal well/aquifer levels. Please refer to your municipality and/or water provider for mitigation information.

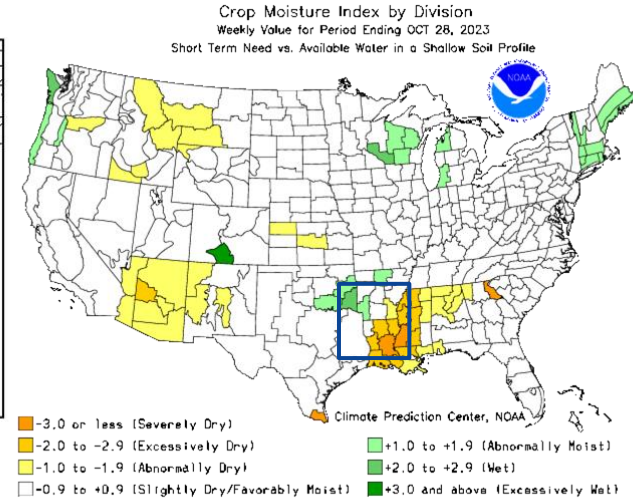
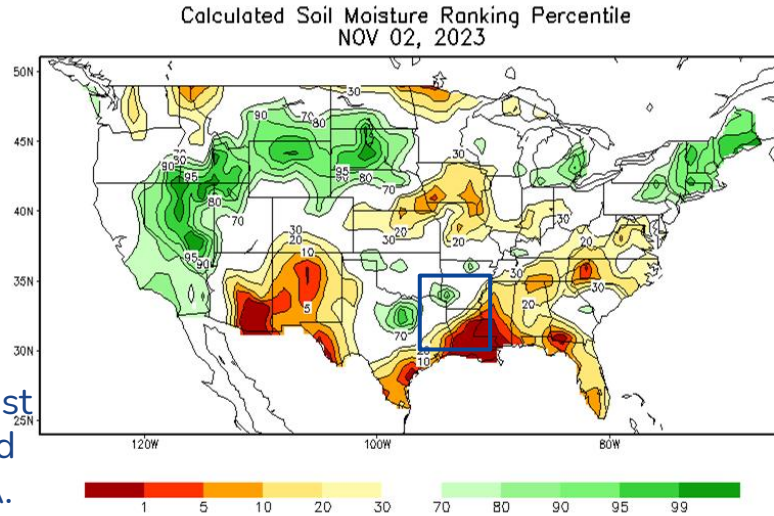




# Agricultural Impacts

Left Image: Soil Moisture Ranking Percentile for Nov 2nd from CPC; Right Image: Crop Moisture Index for Oct. 28th from CPC.

- Soil moisture remains much below normal across the Lower Toledo Bend Country into Northcentral Louisiana.
- Near to above normal soil moisture exists elsewhere across Northeast TX, Southeast OK, Southwest AR, and extreme Northwest LA.





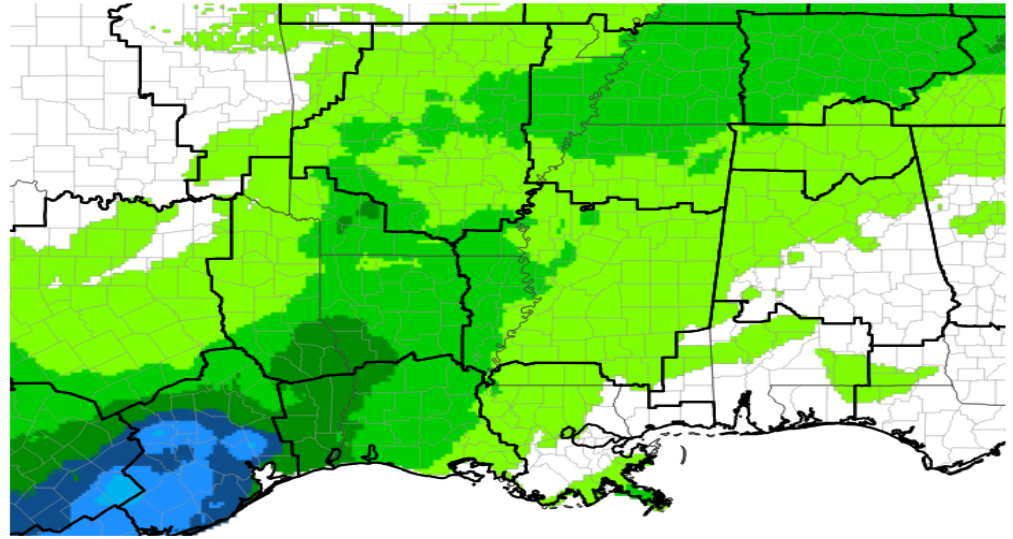


# Seven Day Precipitation Forecast

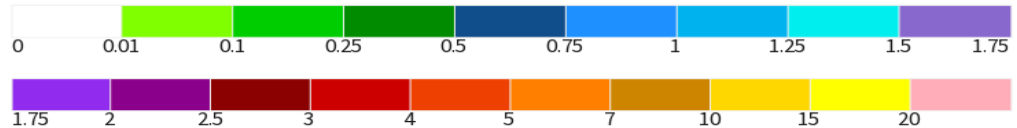
Imagery Below: Weather Prediction Center [7-day precipitation forecast](#) Valid Saturday November 4 to Saturday November 11

- A warming trend and continued dry conditions will persist through at least midweek, before an approaching weak cold front and associated upper level disturbance result in scattered showers and a few thunderstorms across much of the region late next week.
- Rainfall amounts of 0.25-0.75 inches will be possible areawide Thursday, November 9th through Friday, November 10th.
- Minor improvement to drought conditions will be possible late next week.

## 7-Day Quantitative Precipitation Forecast



Predicted Inches of Precipitation



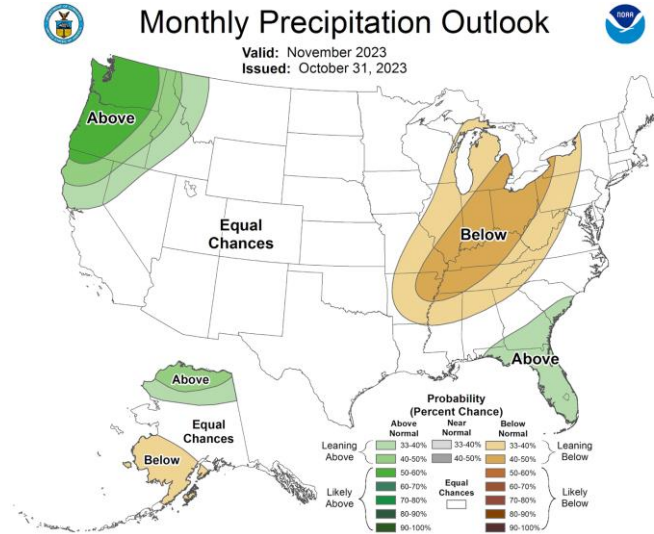
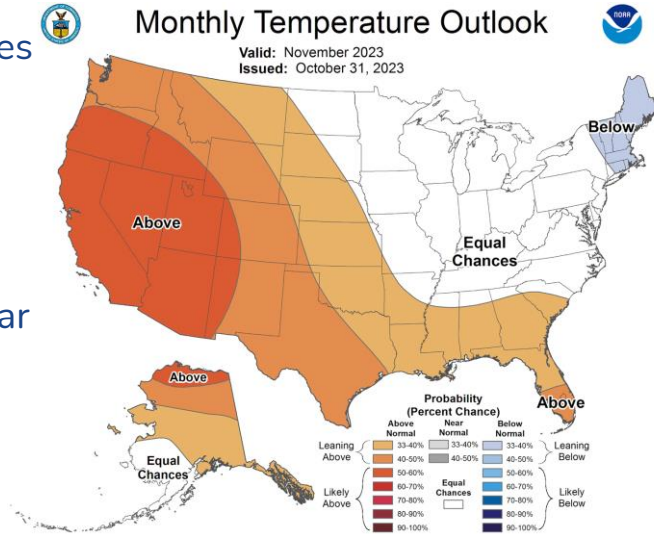




# Long-Range Outlooks

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

- Unfortunately, slightly above normal probabilities exist for our region to see above normal temperatures (on average) during November.
- There is no skill level for determining whether we will see above normal, near normal, or below normal rainfall during November across our region.

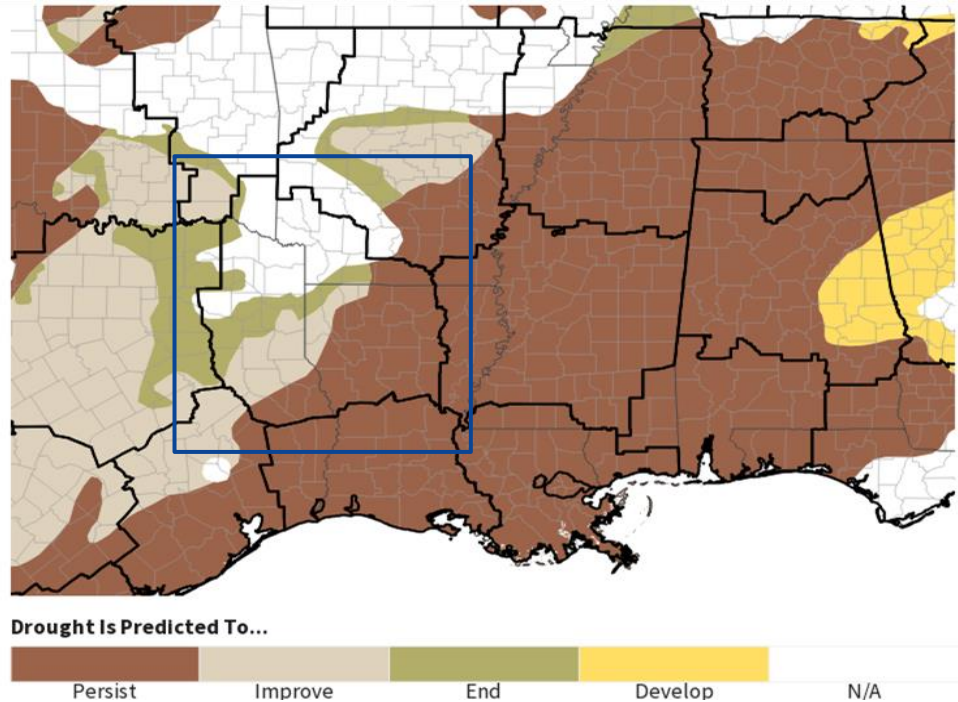




# Drought Outlook

Climate Prediction Center Monthly Drought Outlook Released October 31, 2023 - Valid through November 2023

- Drought conditions are expected to persist throughout November across portions of Deep East TX, much of North LA, and Southcentral AR.
- Some improvement to the drought is anticipated across much of Lower East TX, extreme Northwest LA, and portions of extreme Southern AR during November, with the effects of the ongoing El Niño this winter expected to provide additional drought improvement .



Links to the latest:

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

