



Drought Information Statement for Southeast TX and Southwest LA

Valid November 15, 2024

Issued By: WFO Lake Charles, LA

Contact Information:

- This product will be updated November 21, 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/LCH/DroughtInformationStatement> for previous statements.
- Please visit <https://www.drought.gov/drought-status-updates/> for regional drought status updates.

Due to recent widespread rainfall, drought conditions have significantly improved across southeast Texas and much of Louisiana. There is a small pocket of severe drought that has persisted over southern Calcasieu and central Cameron parishes.





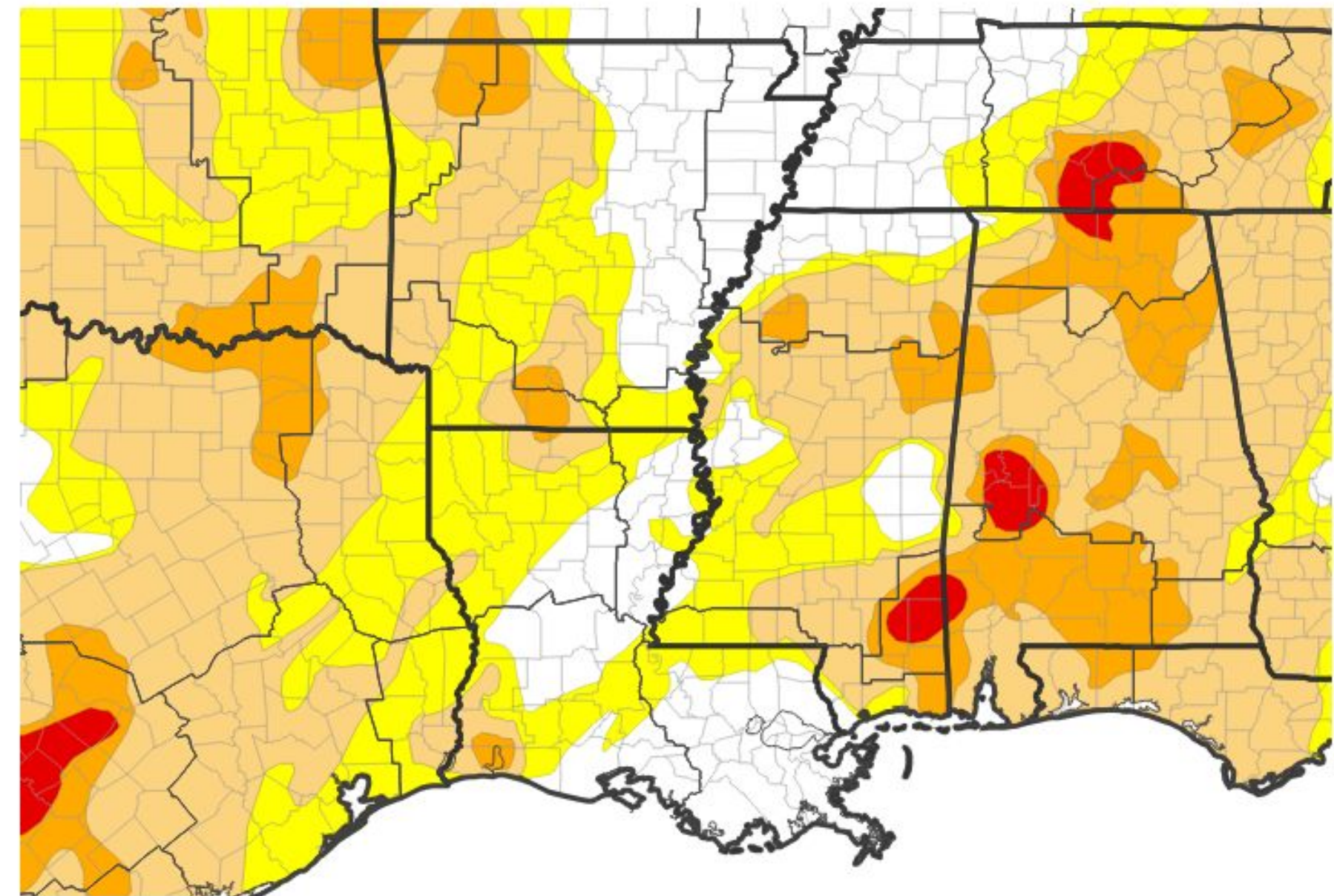
U.S. Drought Monitor

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

• Drought Intensity and Extent

- **D4 (Exceptional Drought):** None
- **D3 (Extreme Drought):** None
- **D2 (Severe Drought):** Far southern Calcasieu and central Cameron parishes.
- **D1 (Moderate Drought):** Southeast Hardin, northwest Tyler, northeast Jefferson, Orange, far southern Jasper, and far southern Newton counties in Texas. Western Beauregard, Calcasieu, western Cameron parishes in Louisiana.
- **D0: (Abnormally Dry):** Tyler, Jasper, Newton, Hardin, and southwest Jefferson counties in Texas. Western Vernon, Beauregard, Jefferson Davis, eastern Cameron, Acadia, St. Landry, eastern Lafayette, and northern St. Martin in Louisiana.

U.S. Drought Monitor



U.S. Drought Monitor



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

Data Valid: 11/12/24





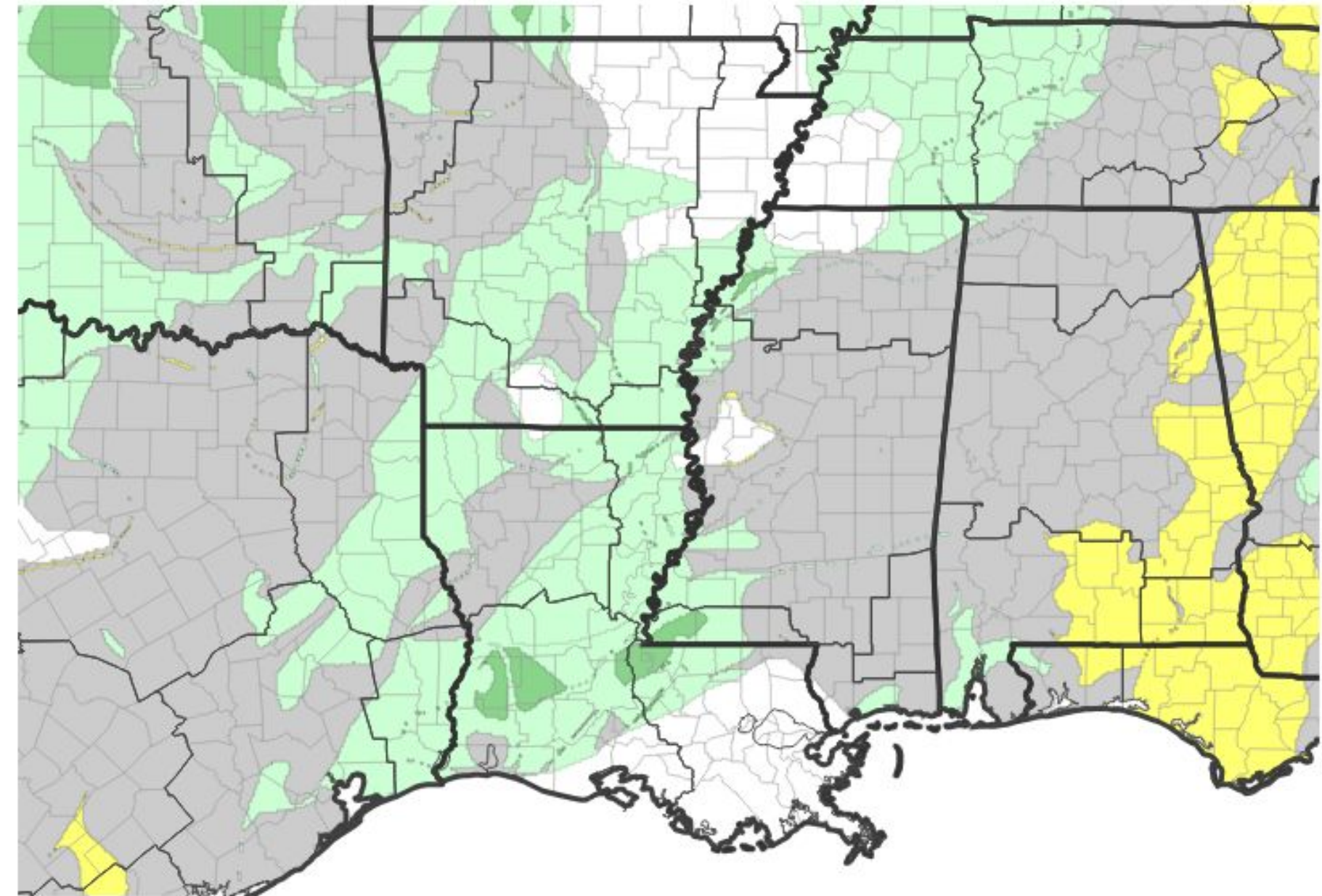
Recent Change in Drought Intensity

Link to the latest [1-week change map](#)

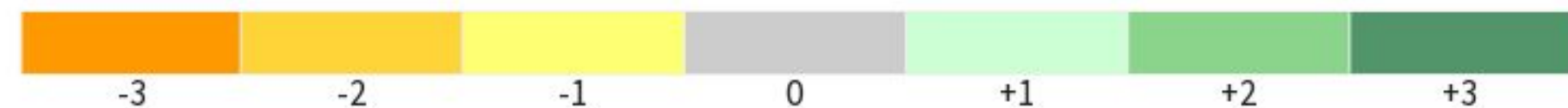
One Week Drought Monitor Class Change

- Significant rainfall allowed for the majority of southeast Texas and portions of Louisiana to experience a one class improvement this week.
- Portions of eastern Beaufort and much of Allen Parish experienced a 2 class improvement due to 6 to 10 inches of rain that fell in those areas.

U.S. Drought Monitor 1-Week Change Map



Drought Change Since Last Week



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

Data Valid: 11/12/24





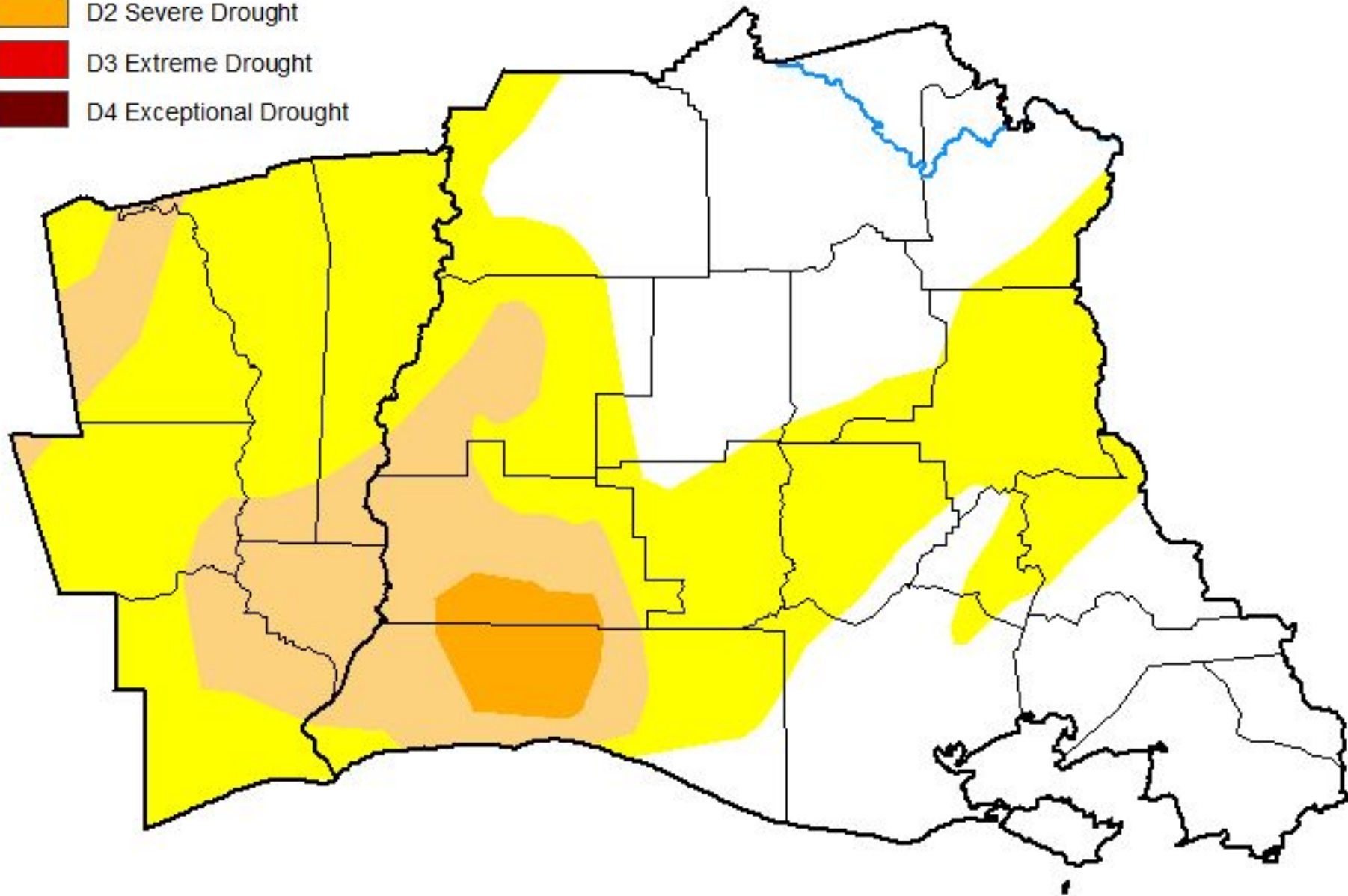
Drought Monitor

Current drought status and weekly class change.

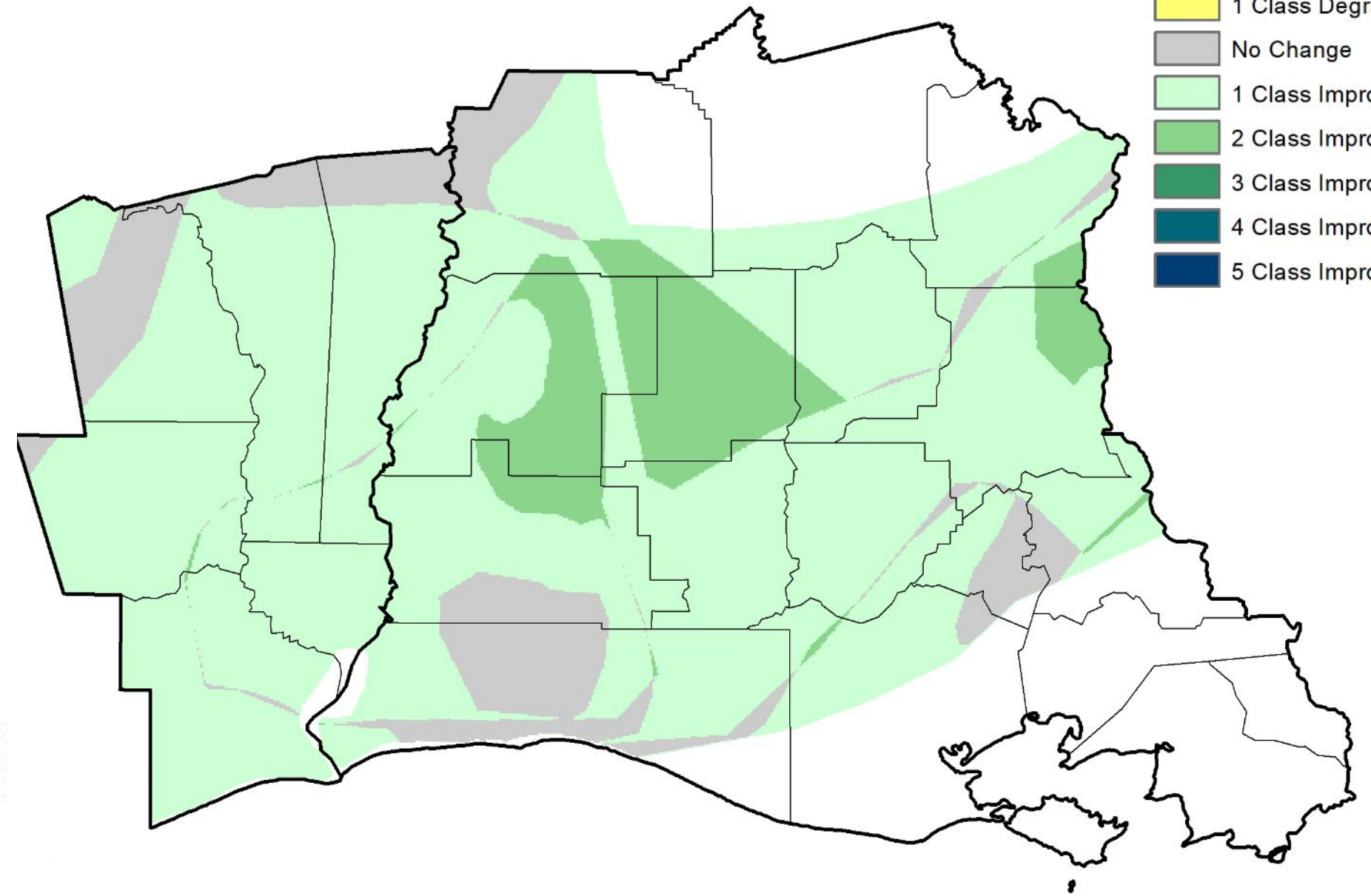
Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

Current Drought Status

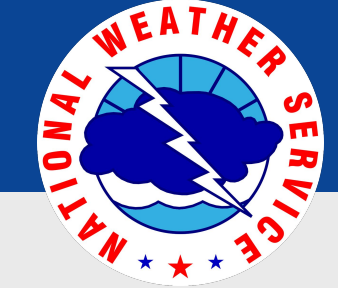


1 Week Class Change



- 5 Class Degradation
- 4 Class Degradation
- 3 Class Degradation
- 2 Class Degradation
- 1 Class Degradation
- No Change
- 1 Class Improvement
- 2 Class Improvement
- 3 Class Improvement
- 4 Class Improvement
- 5 Class Improvement

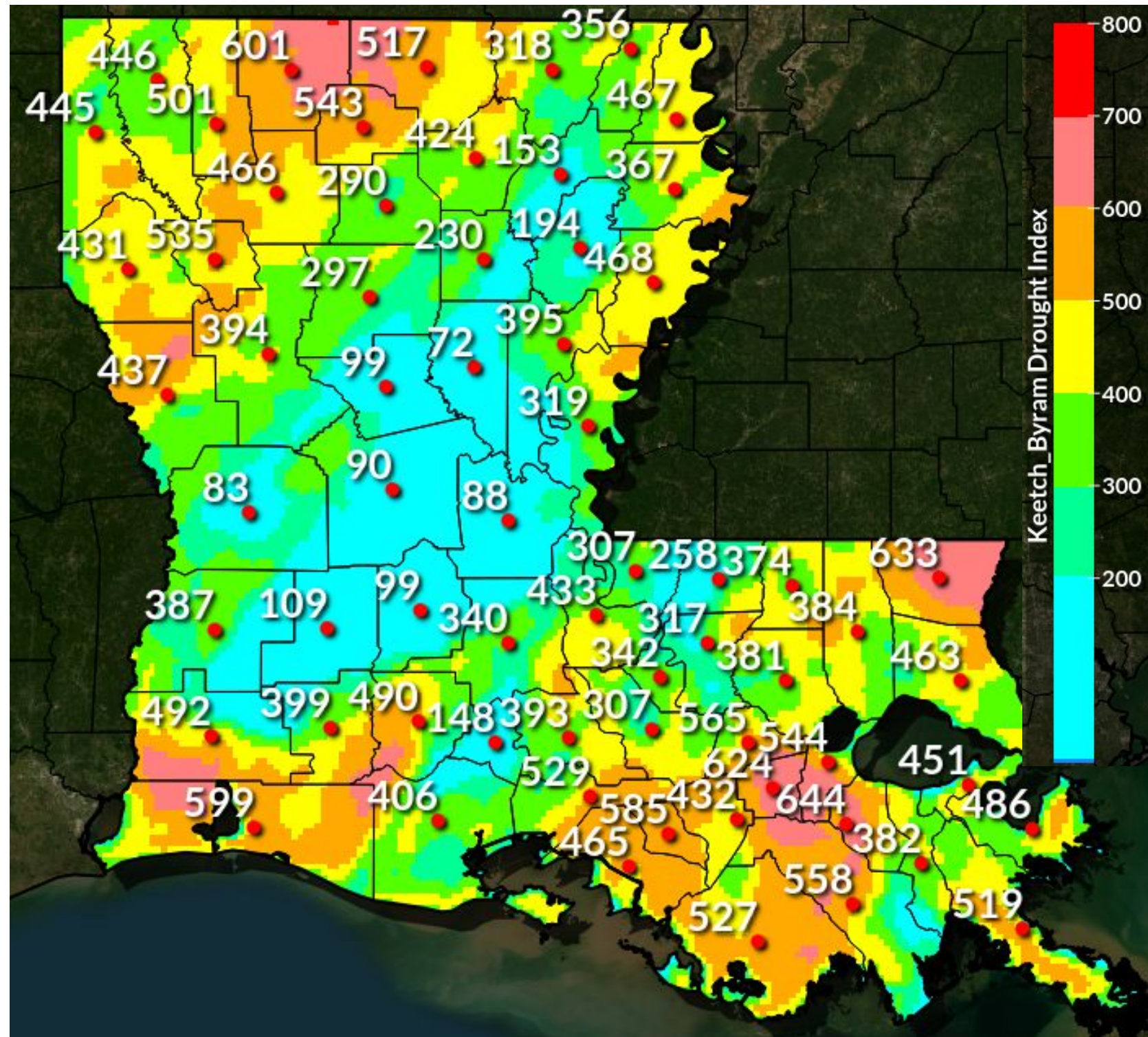




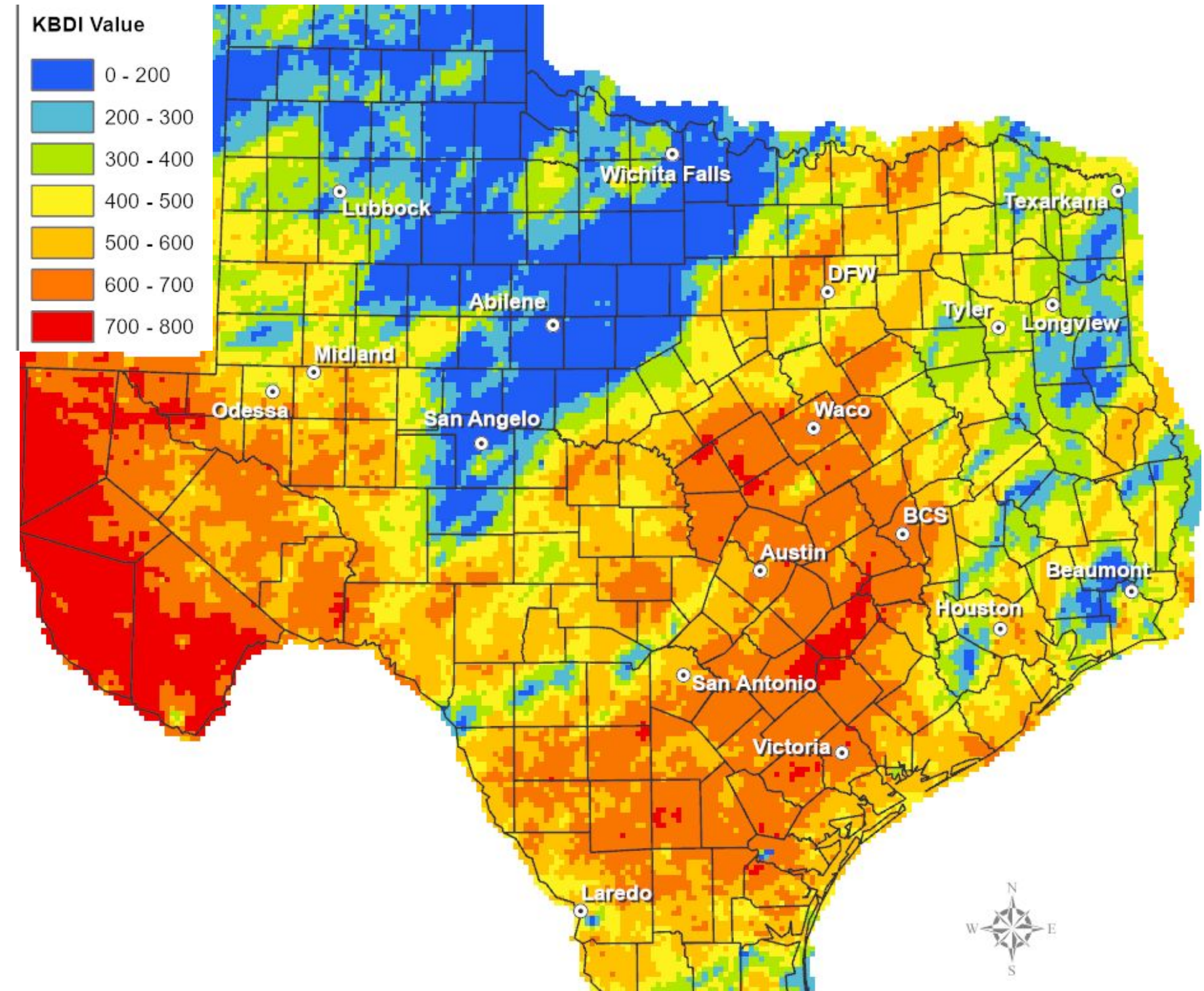
Keetch-Byram Drought Index

KBDI values improved this week due to widespread rainfall.

Louisiana



Texas





7 Day Precipitation

7 Day Precipitation Accumulation and Percent of Normal.

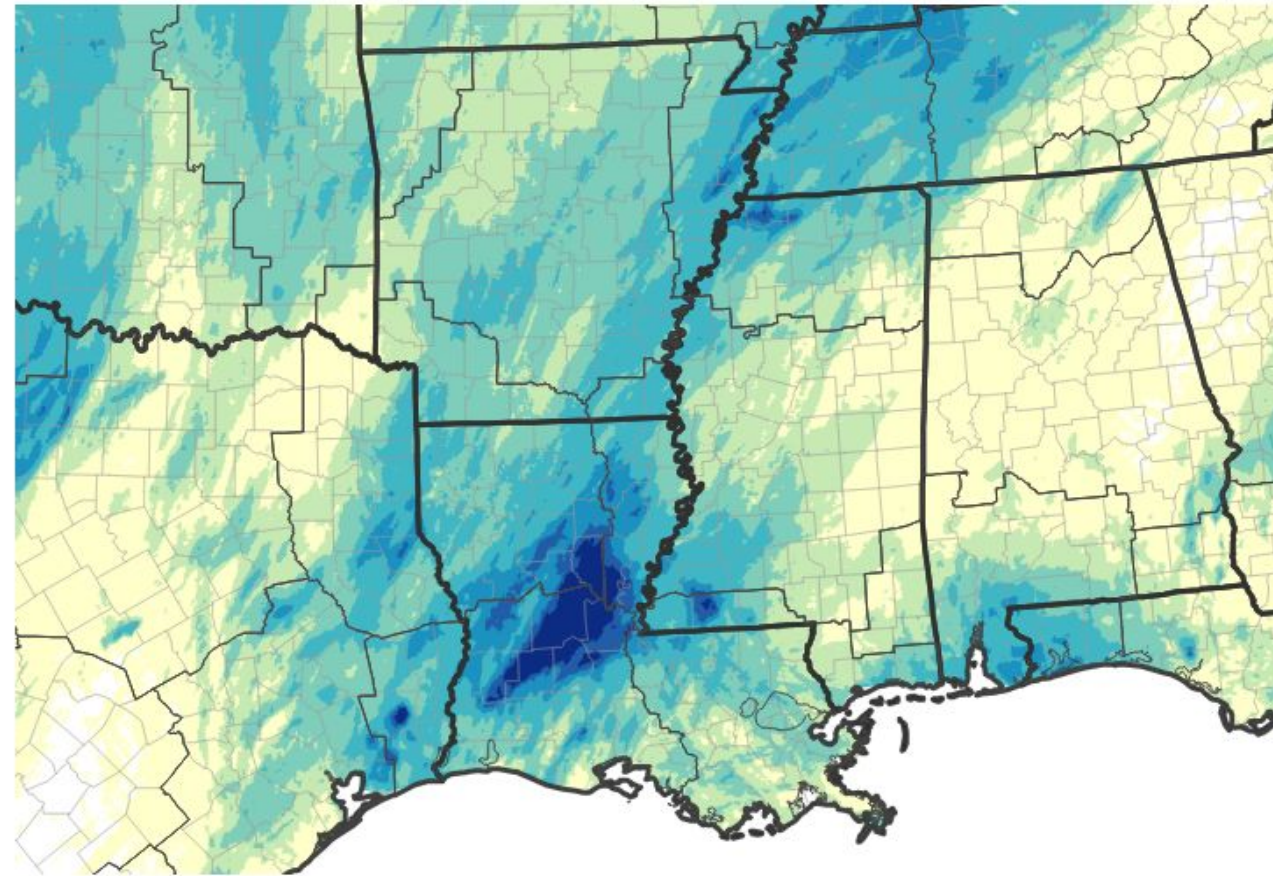
7 Day Rainfall Analysis

Widespread rainfall occurred this week helping to improve the drought across southeast Texas and much of Louisiana.

Most areas received 2 to 8 inches or rain, with some areas in central Louisiana receiving over 8 inches of rain.

The majority of the areas experienced greater than 200% normal rainfall this past week.

7-Day Precipitation Accumulations (Inches)

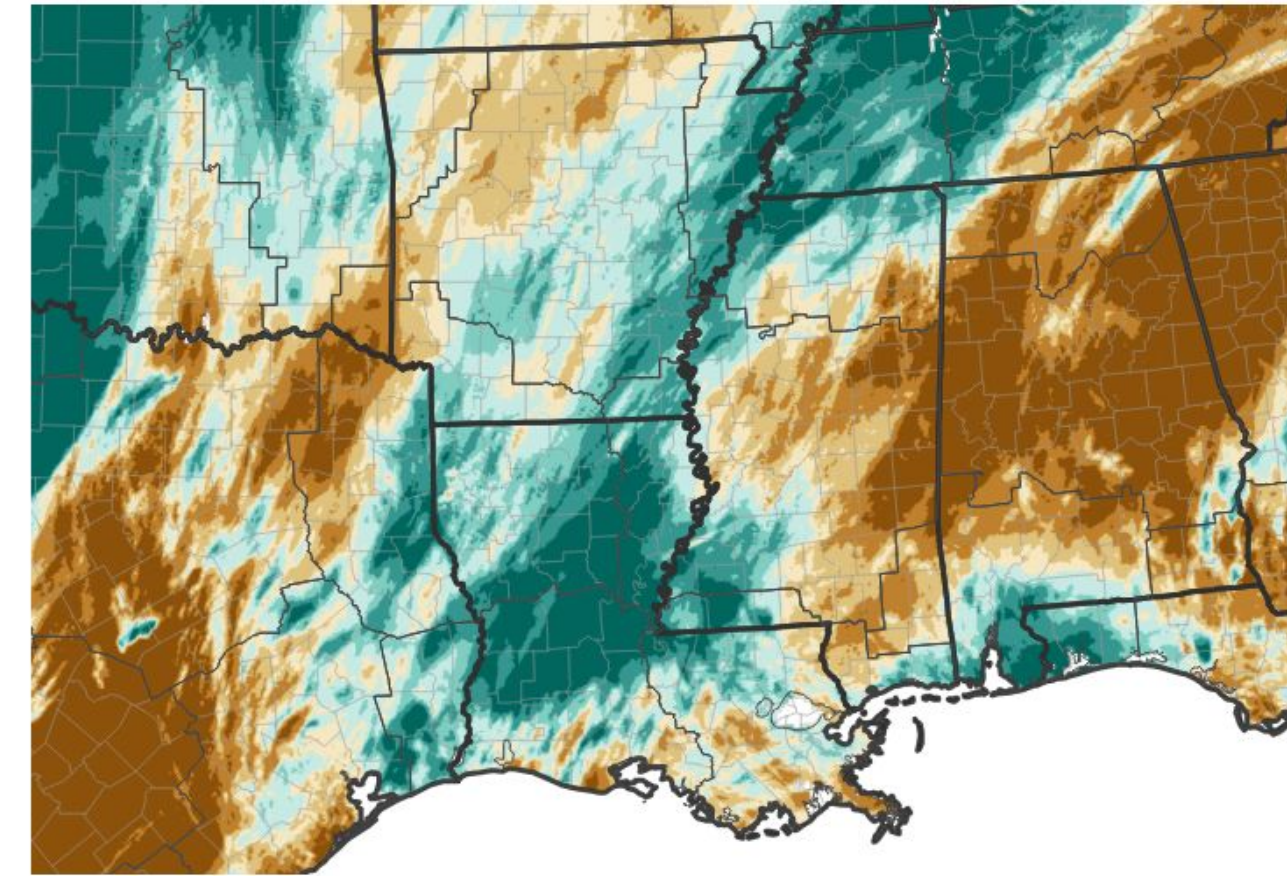


Inches of Precipitation

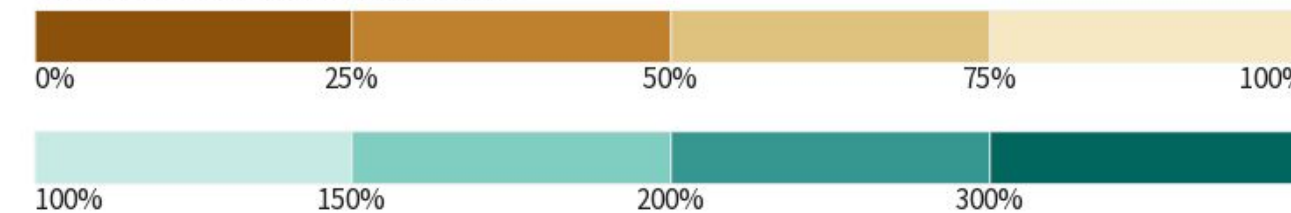


Source(s): National Weather Service Multi-Radar Multi-Sensor System; Last Updated: 11/14/24
image courtesy of Drought.gov

7-Day Percent of Normal Precipitation



Percent of Normal Precipitation (%)



Source(s): National Weather Service Multi-Radar Multi-Sensor System; Last Updated: 11/14/24
image courtesy of Drought.gov





30 Day Precipitation

30 Day Precipitation Accumulation and Percent of Normal.

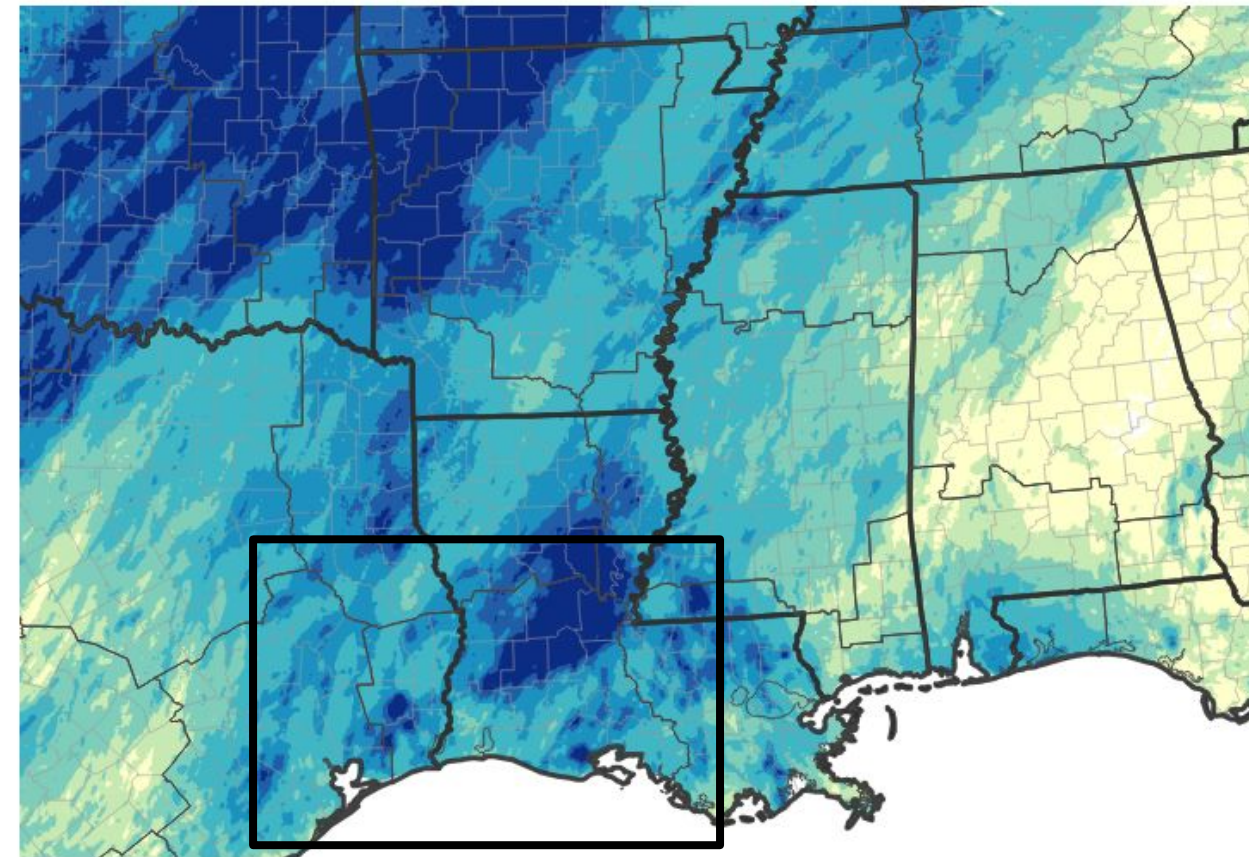
• 30 Day Rainfall Analysis

All areas have received over an inch of rain over the past 30 days. Some areas over central Louisiana have received greater than 10 inches of rain.

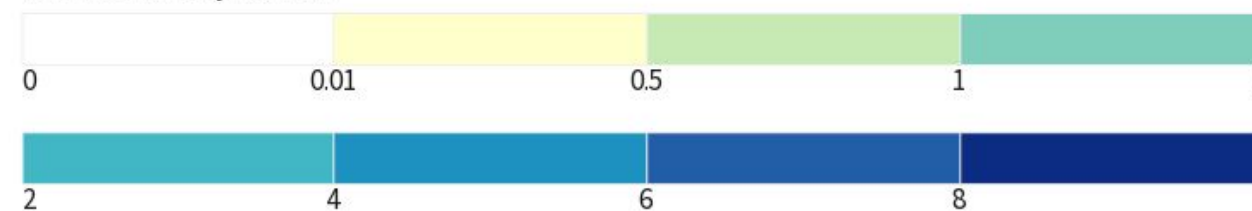
These amounts over central Louisiana are greater than 200 percent above normal.

There are many areas in southeast Texas and southwest Louisiana that are still running a monthly deficit of 10 to 75 percent below normal.

30-Day Precipitation Accumulations (Inches)

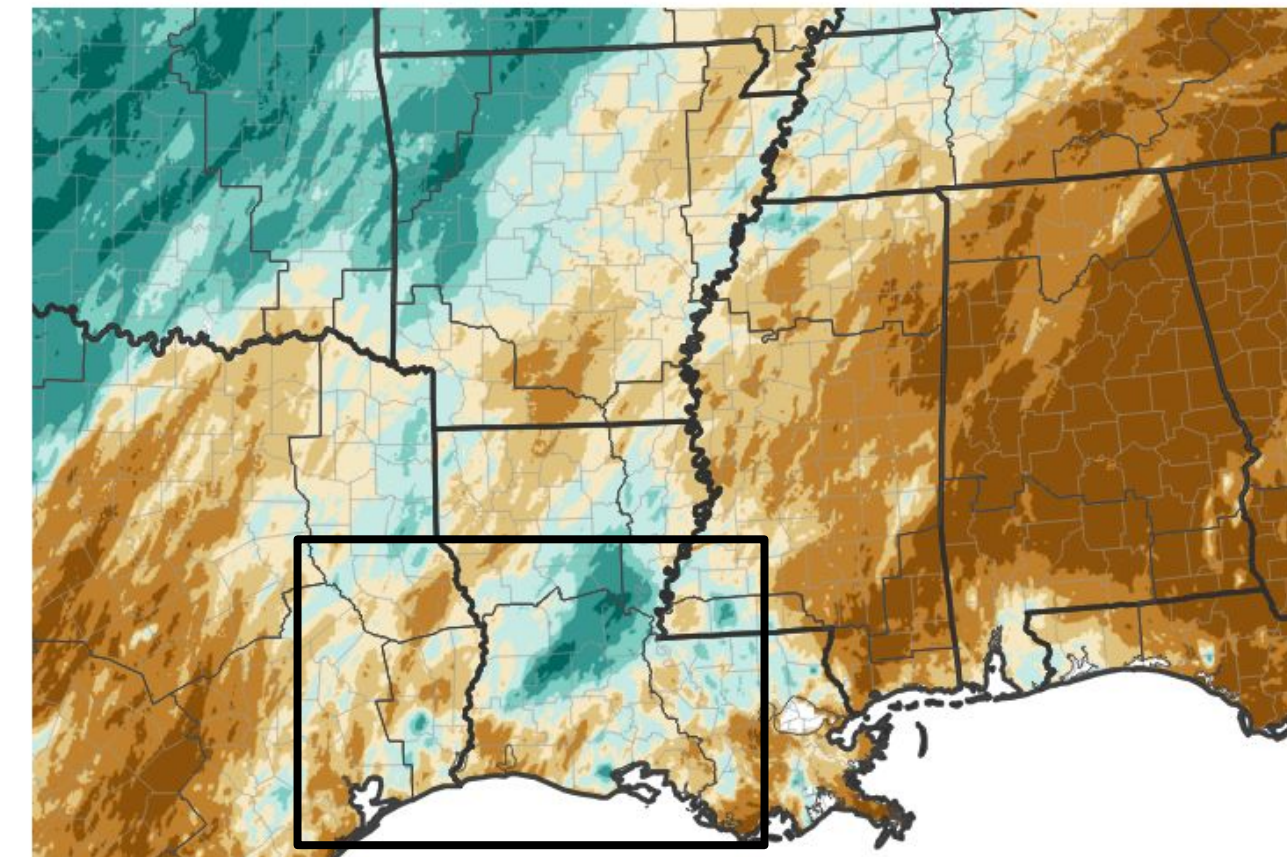


Inches of Precipitation

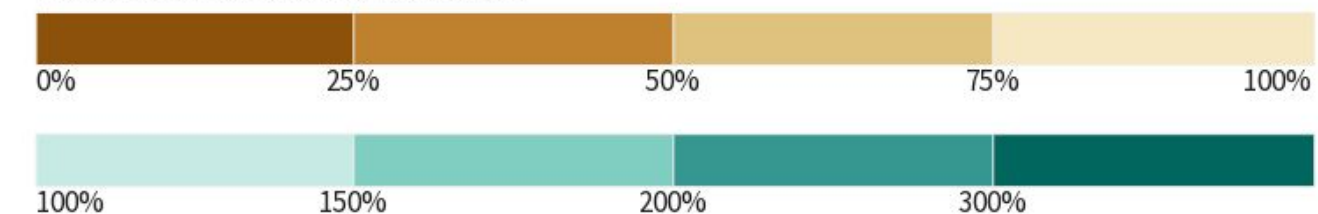


Source(s): National Weather Service Multi-Radar Multi-Sensor System; image courtesy of Drought.gov Last Updated: 11/14/24

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: 11/14/24



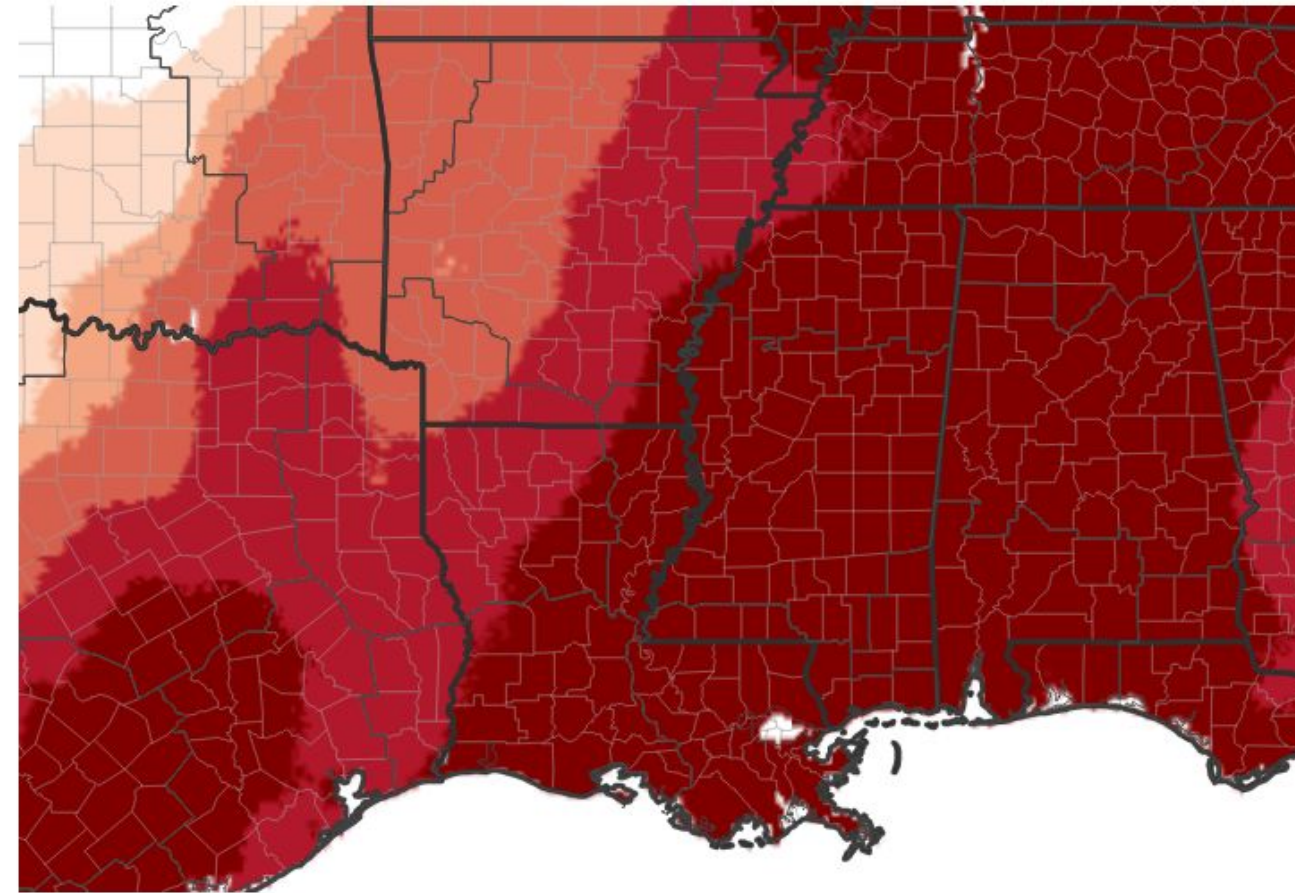


Temperature Anomalies

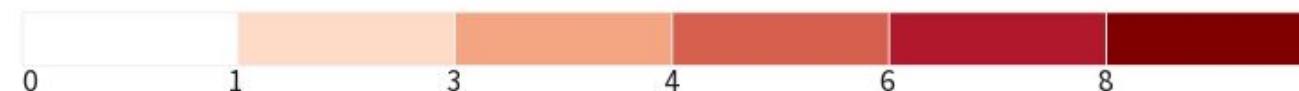
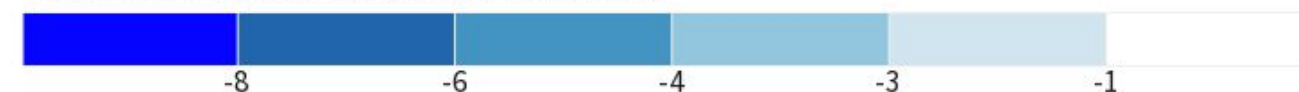
Link to [Southern Regional Climate Center](#)

- Well above normal temperatures have occurred over the past week and past month across southeast Texas and much of Louisiana.
- Average Max 7 and 30 day temperatures has departed 5 - 8 °F above climatological normals.

7-Day Temperature Anomaly



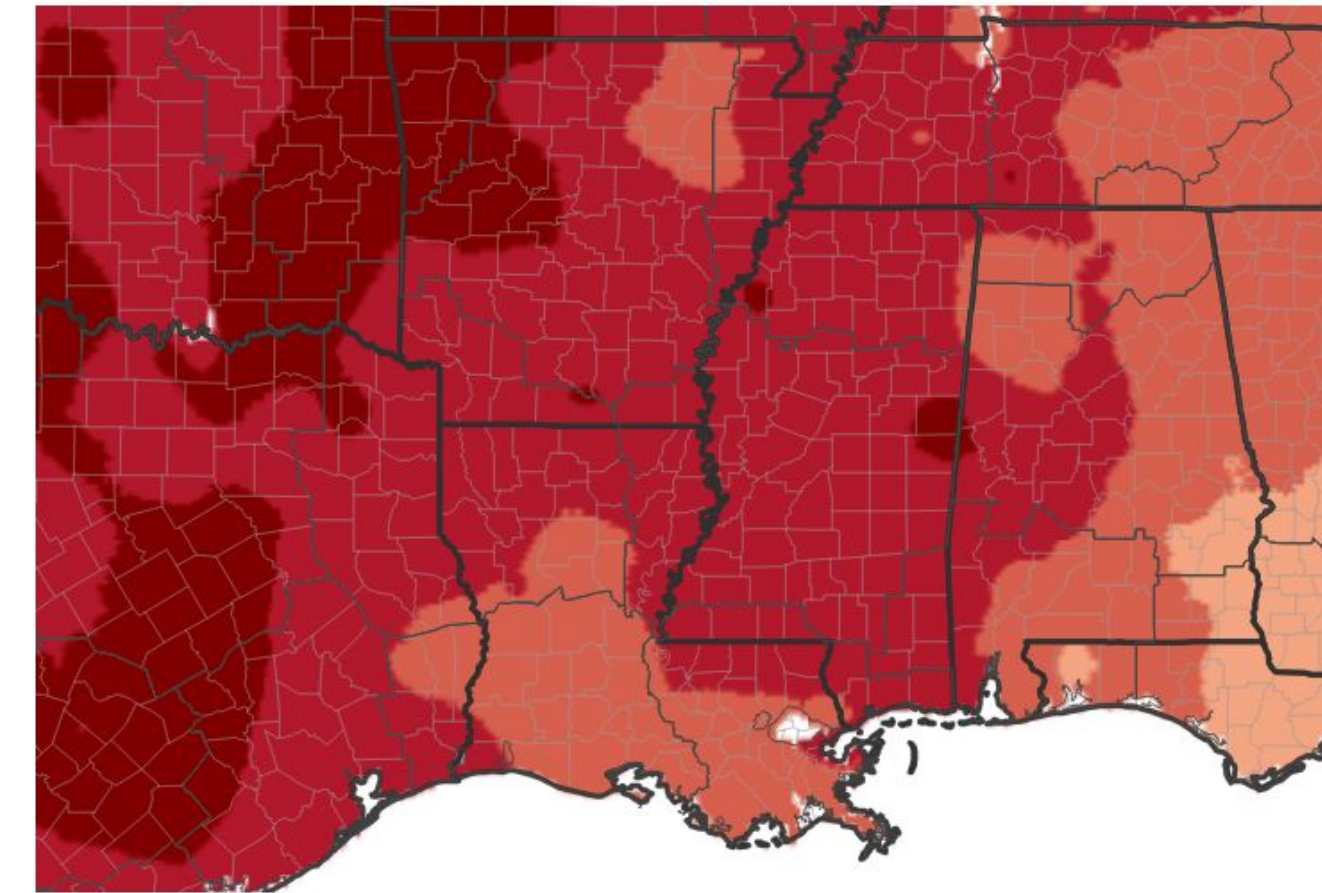
Departure from Normal Max Temperature (°F)



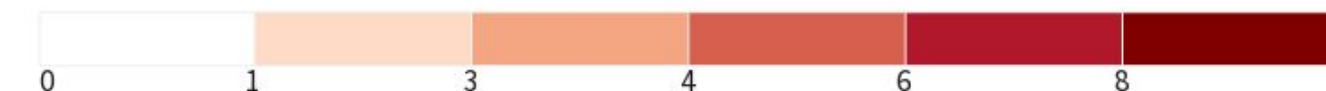
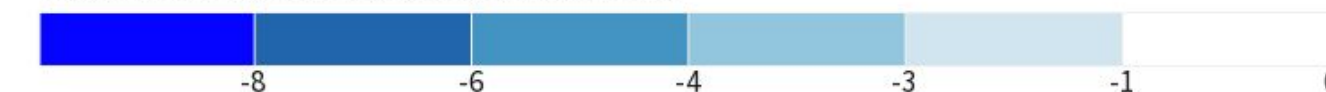
Source(s): NOAA's National Centers for Environmental Information; image courtesy of Drought.gov

Data Valid: 11/10/24

30-Day Temperature Anomaly



Departure from Normal Max Temperature (°F)



Source(s): NOAA's National Centers for Environmental Information; image courtesy of Drought.gov

Data Valid: 11/10/24





Summary of Impacts

View or Submit Impacts at [Conditions Monitoring Observer Reports](#) or the [Drought Impacts Reporter](#)

Hydrologic Impacts

- None.

Agricultural Impacts

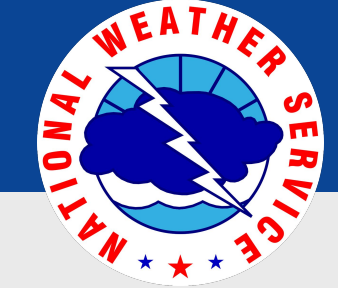
- Unknown.

Fire Hazard Impacts

- Some wildland fires have occurred over the past month, however, recent rainfall this week combined with higher humidity levels have helped decrease the frequency of wildland fires. Additionally, recent soil evaporation rates have decreased over the past week.

Mitigation Actions

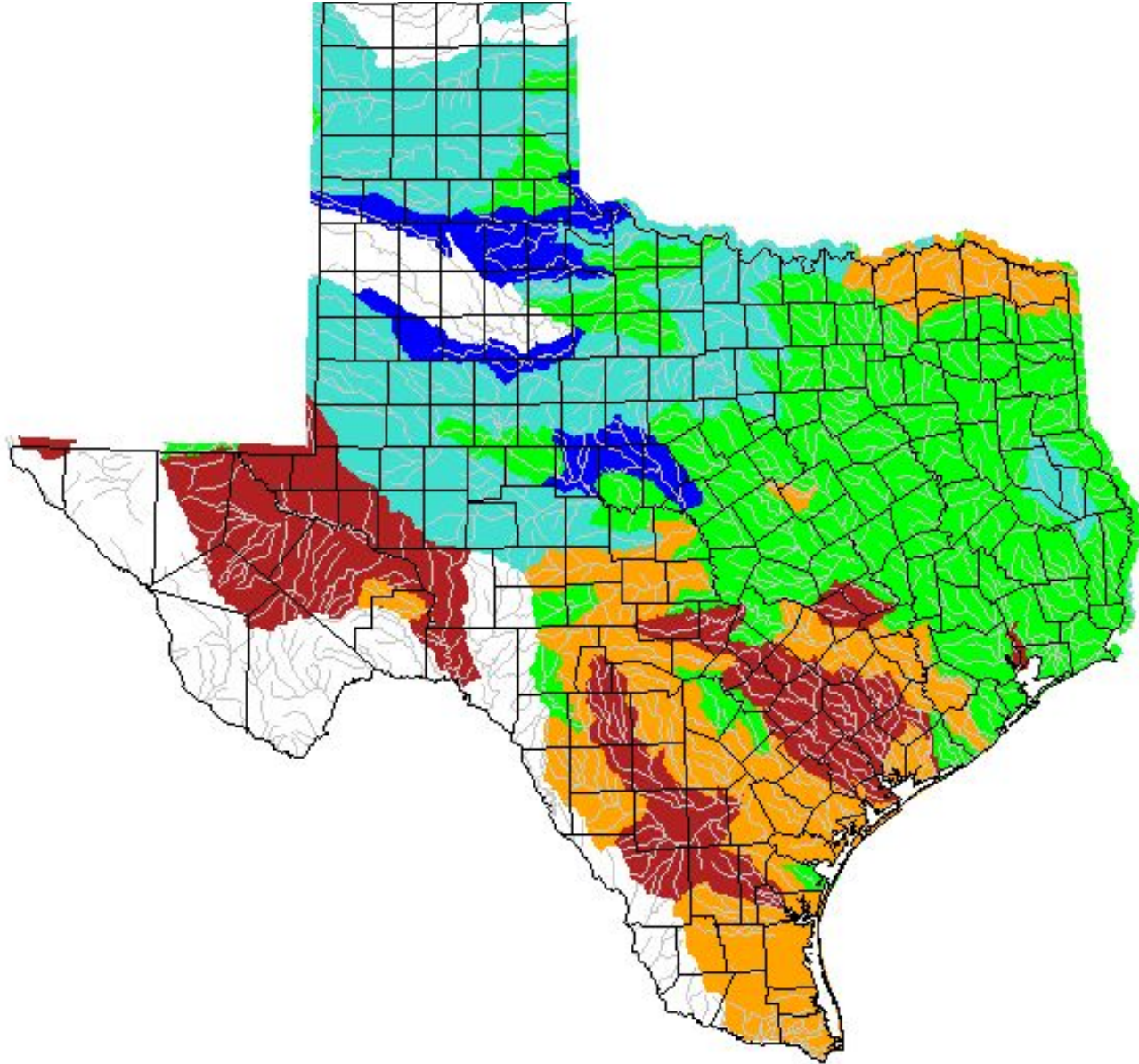
- Most burn bans have been lifted across the forecast area due to recent rainfall and higher humidity levels.



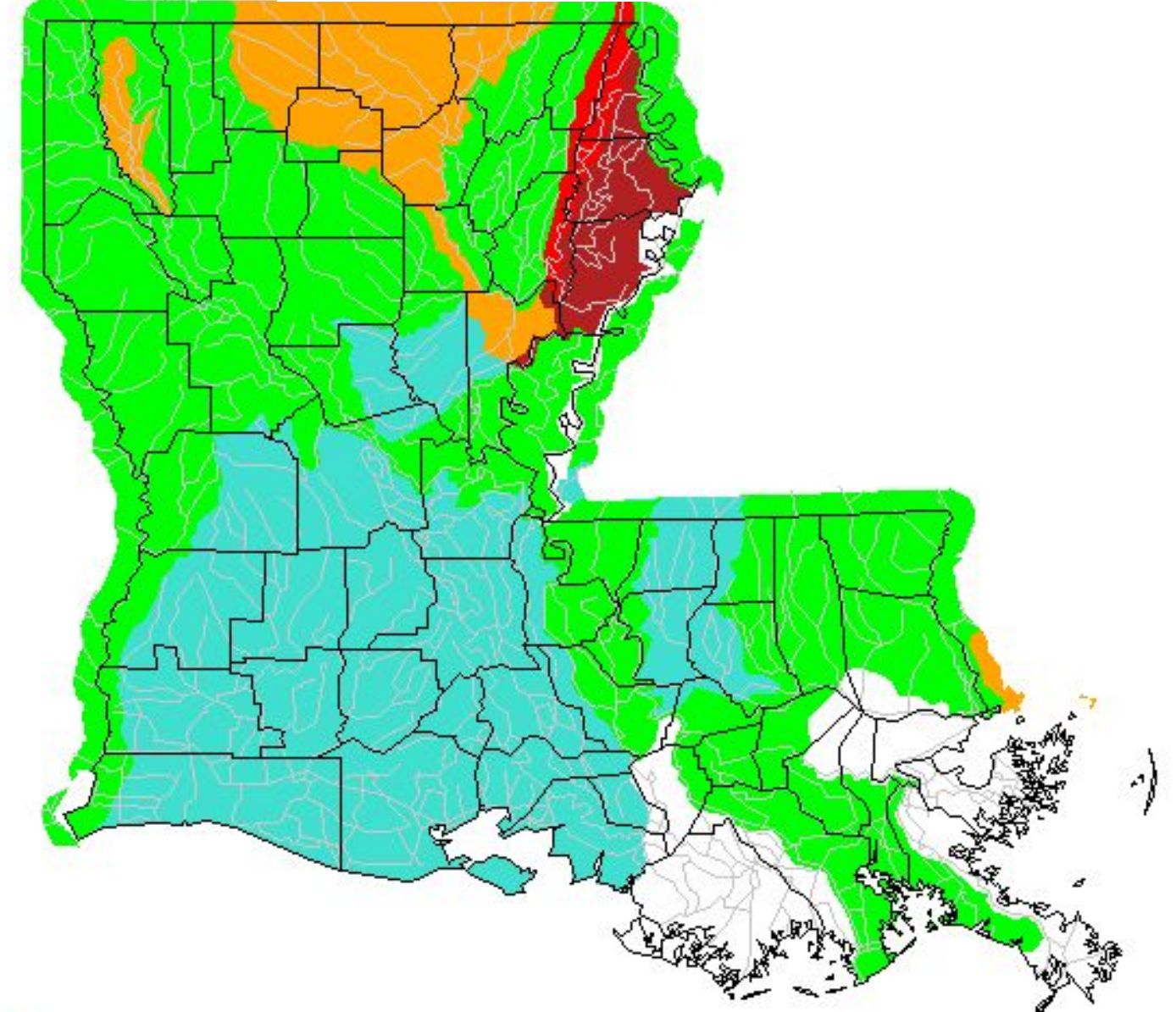
Hydrologic Conditions and Impacts

Streamflows are mostly running near to above normal in SW Louisiana and SE Texas.

Thursday, November 14, 2024



Thursday, November 14, 2024



Explanation - Percentile classes							
Low	<10	10-24	25-75	76-90	>90	High	No Data
	Much below normal	Below normal	Normal	Above normal	Much above normal		



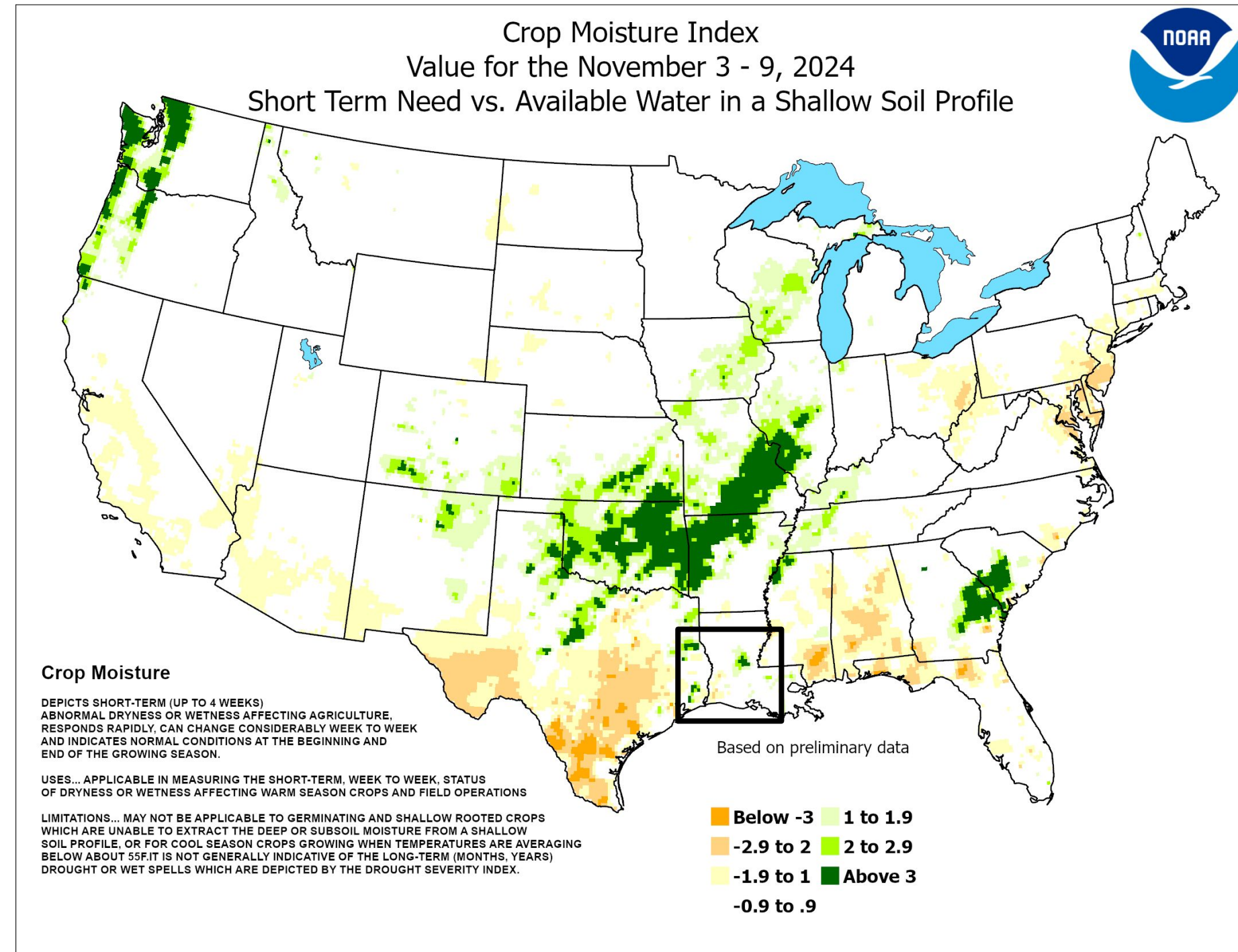
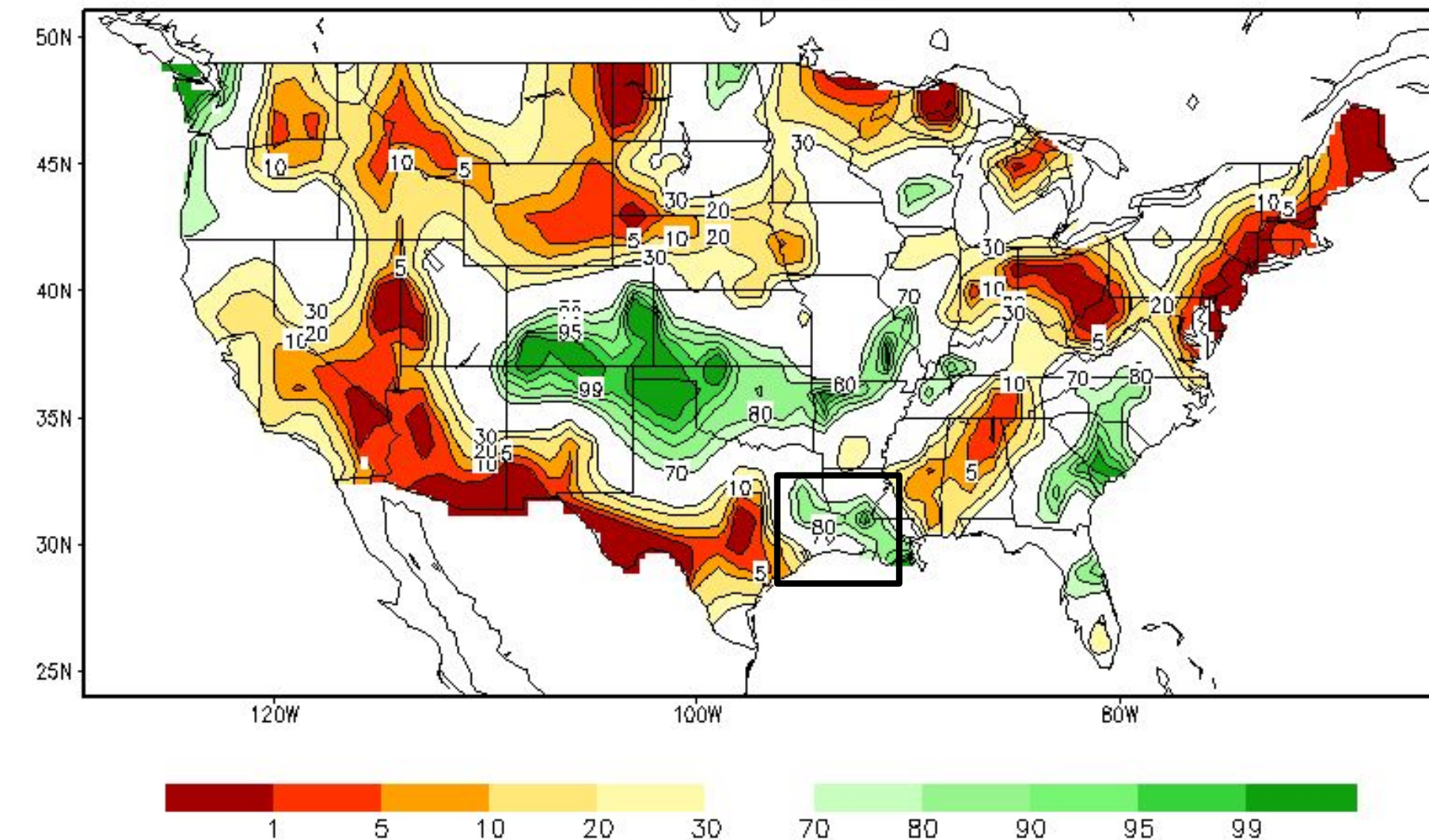


Agricultural Impacts

Soil Moisture and Drought Severity Index by Ag Division

- Crop and soil moisture across the forecast area has significantly improved over the past two weeks due to widespread rainfall.

Calculated Soil Moisture Ranking Percentile
NOV 14, 2024





Fire Hazard Impacts

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

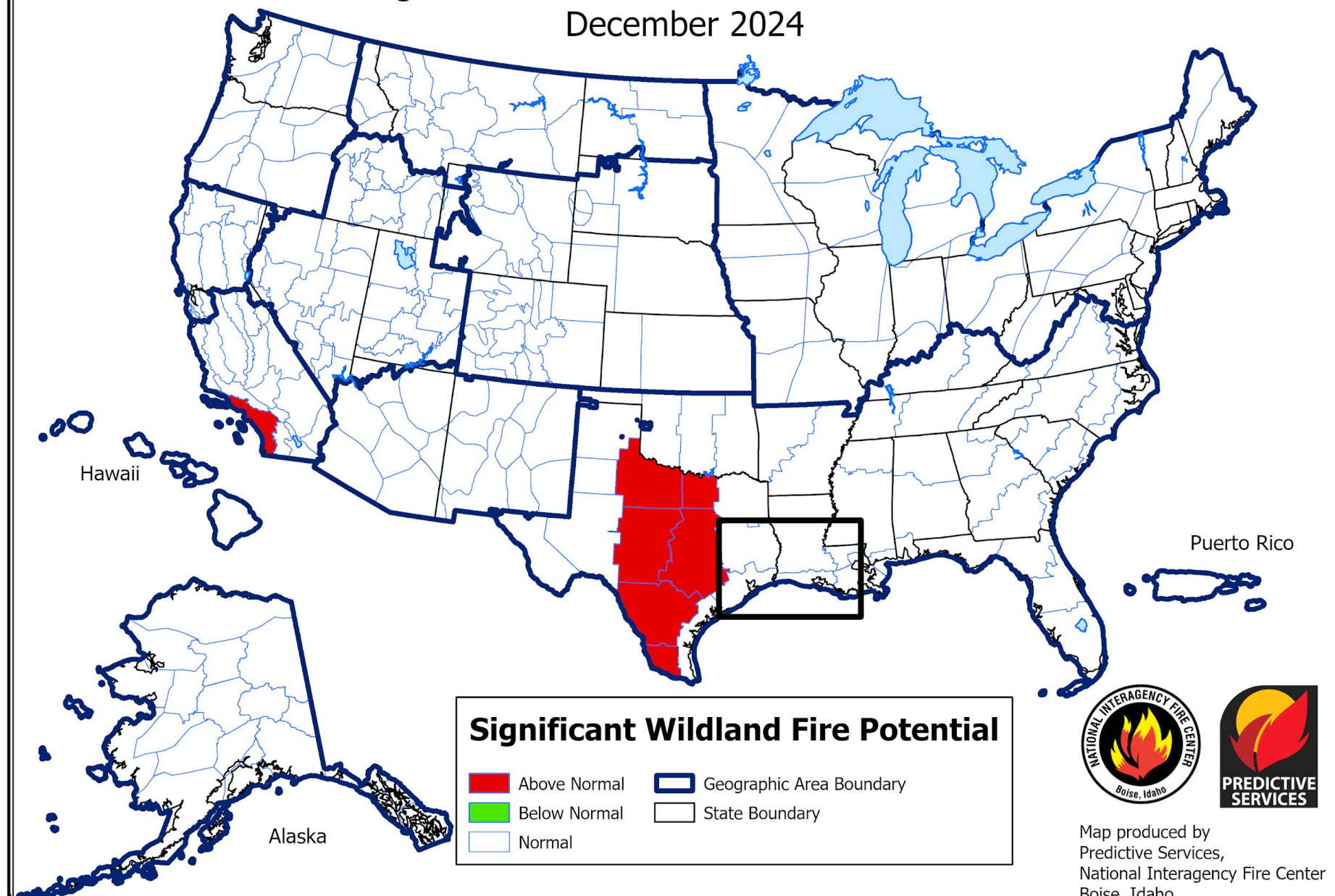
Significant Wildland Fire Potential Outlook November 2024



Map produced by Predictive Services, National Interagency Fire Center Boise, Idaho
Issued October 1, 2024
Next issuance November 1, 2024

Above normal significant wildland fire potential indicates a greater than usual likelihood that significant wildland fires will occur. Significant wildland fires should be expected at typical times and intervals during normal significant wildland fire potential conditions. Significant wildland fires are still possible but less likely than usual during forecasted below normal periods.

Significant Wildland Fire Potential Outlook December 2024



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Above normal significant wildland fire potential indicates a greater than usual likelihood that significant wildland fires will occur. Significant wildland fires should be expected at typical times and intervals during normal significant wildland fire potential conditions. Significant wildland fires are still possible but less likely than usual during forecasted below normal periods.

The risk for wildland fires is expected to be normal as we continue through the rest of November and into December.

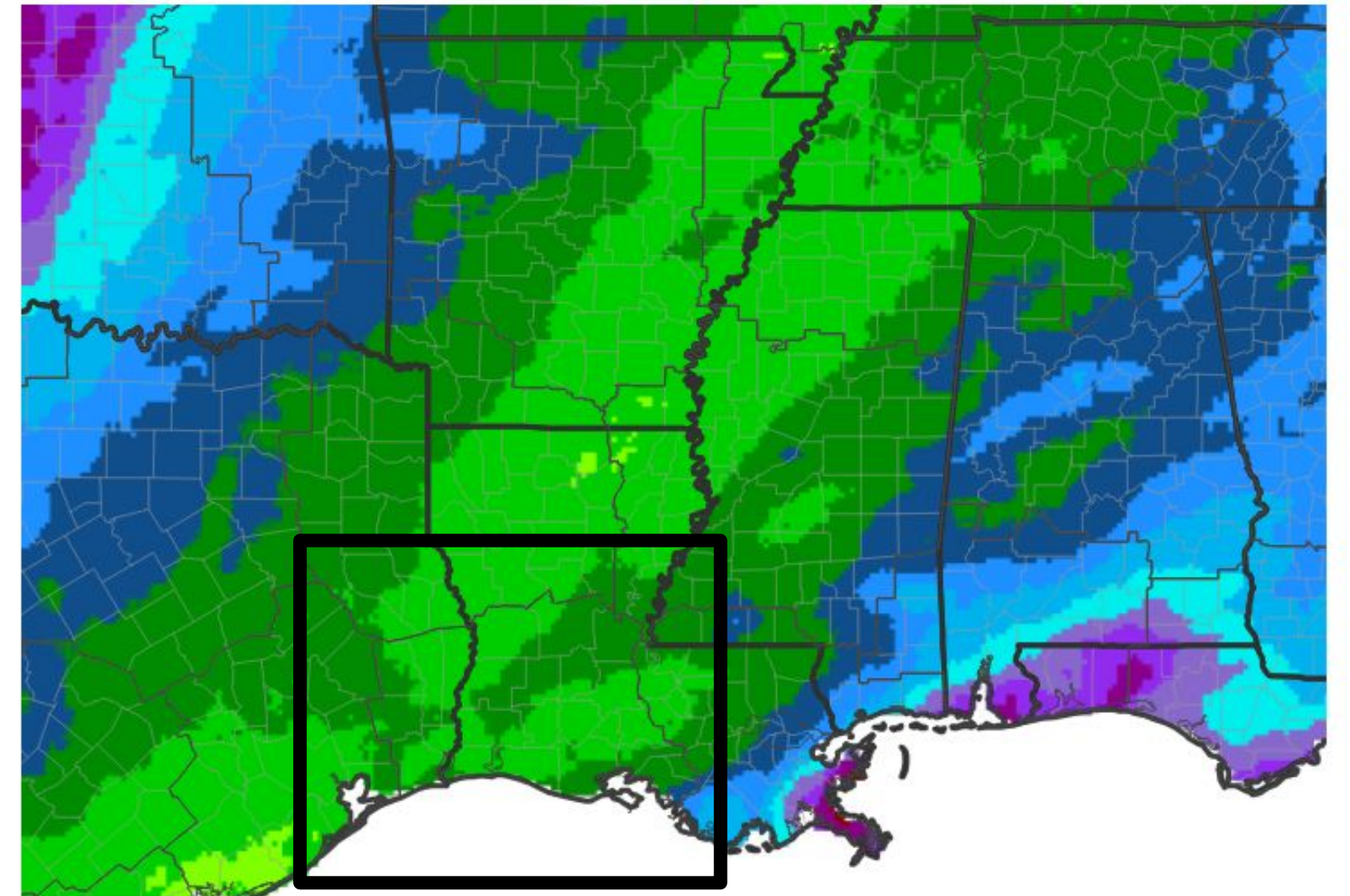


Seven Day Precipitation Forecast

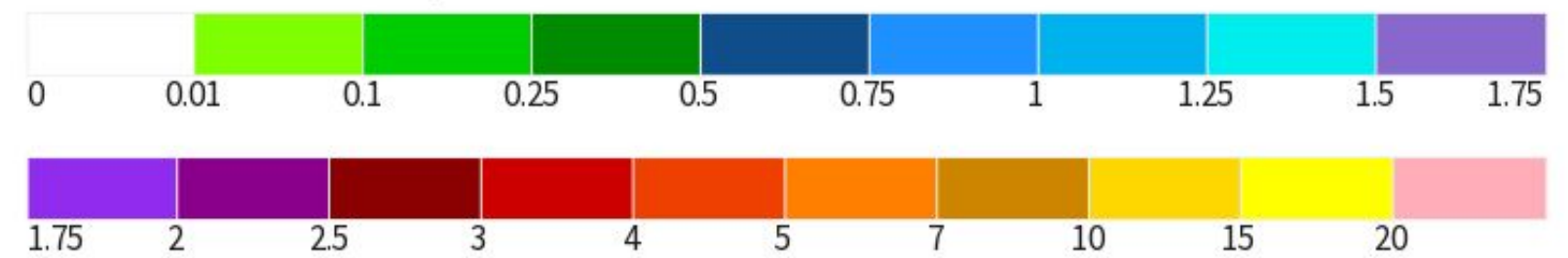
0.10-0.50 inches of rain is forecast through the next 7 days.

- Chances favor unsettled weather to Monday night into Tuesday.
- Early work week showers and thunderstorms could bring rainfall amounts ranging from 0.10 to 0.50 inch across the region.

7-Day Quantitative Precipitation Forecast for November
14, 2024–November 21, 2024



Predicted Inches of Precipitation



Source(s): National Weather Service Weather Prediction Center; image courtesy of Drought.gov

Last Updated: 11/14/24



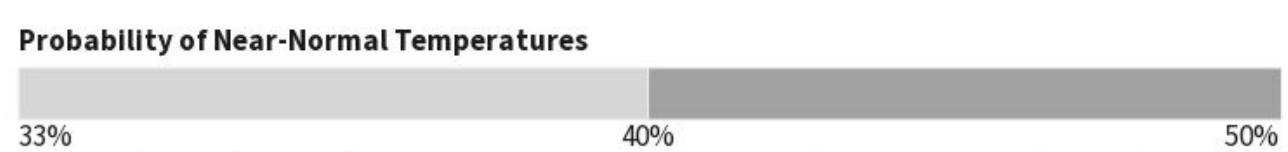
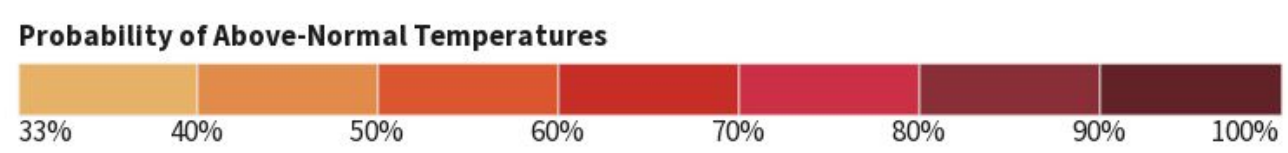
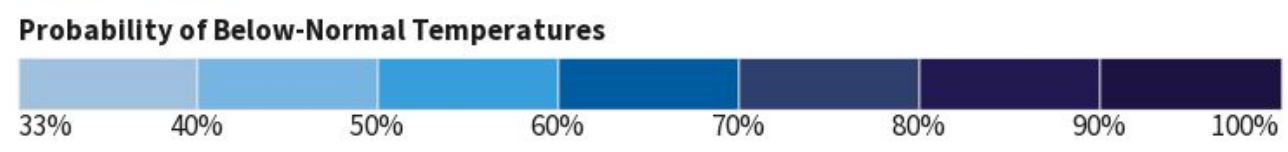
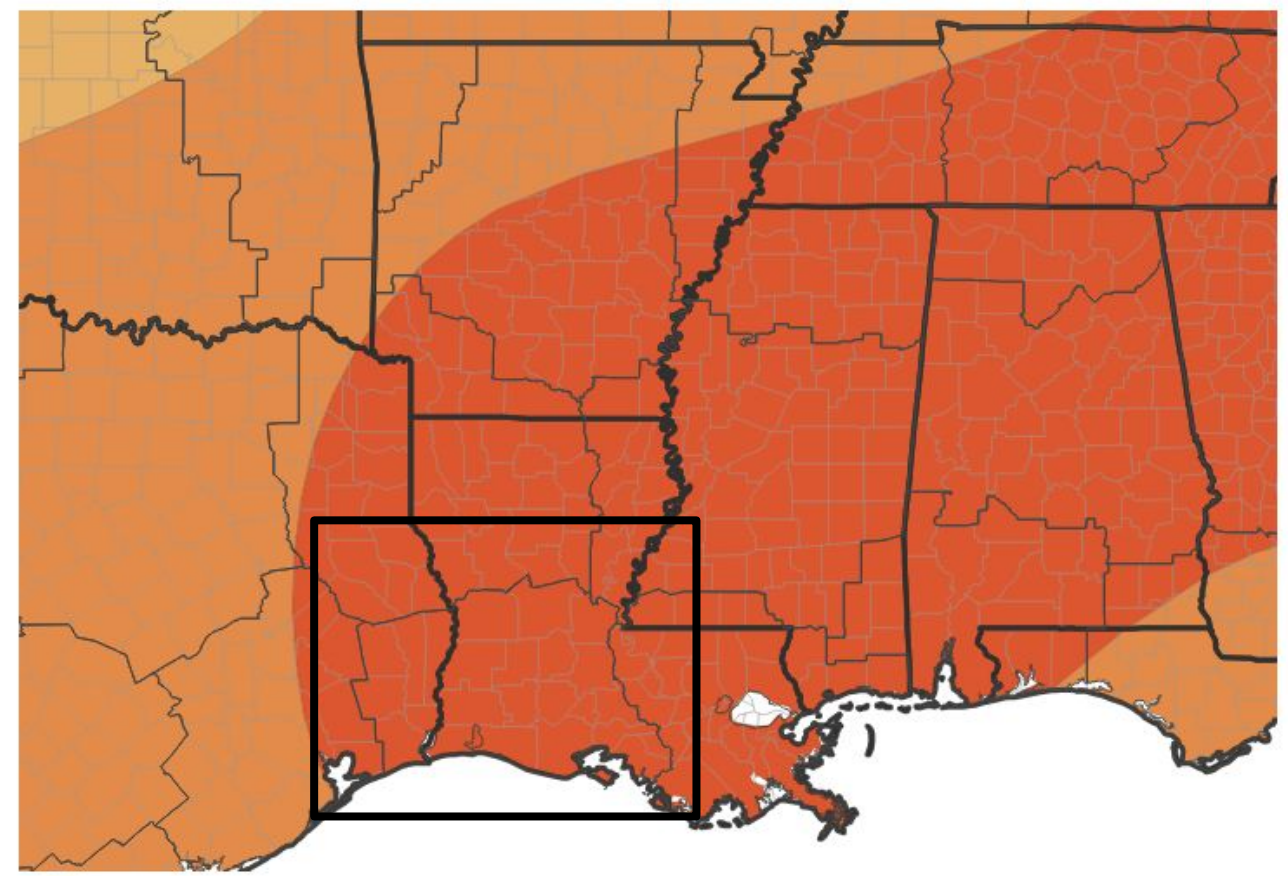


Long-Range Outlooks

Chances favor near normal temperatures and above normal precipitation.

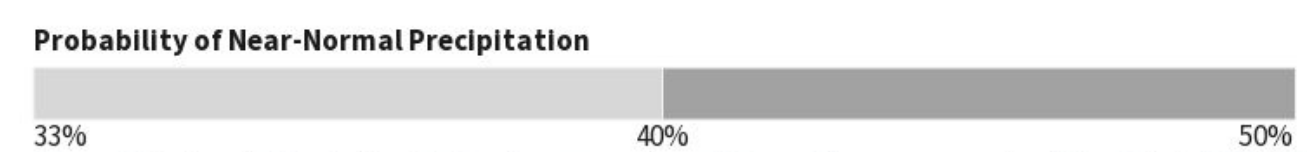
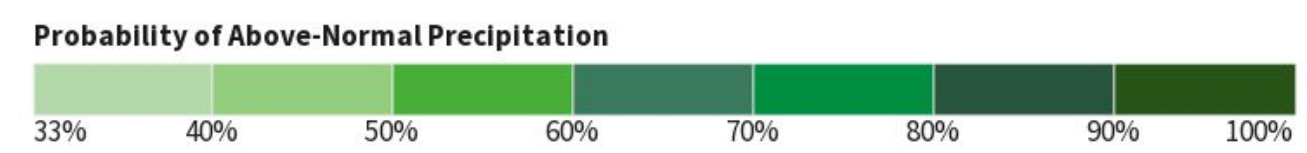
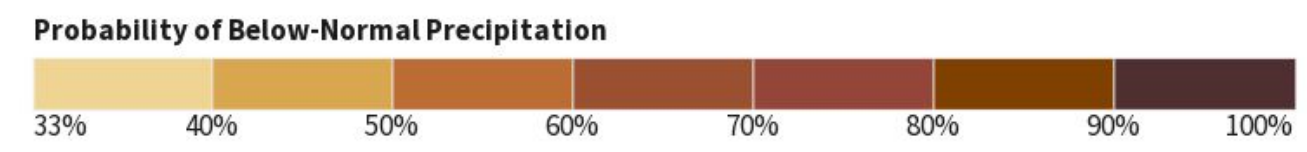
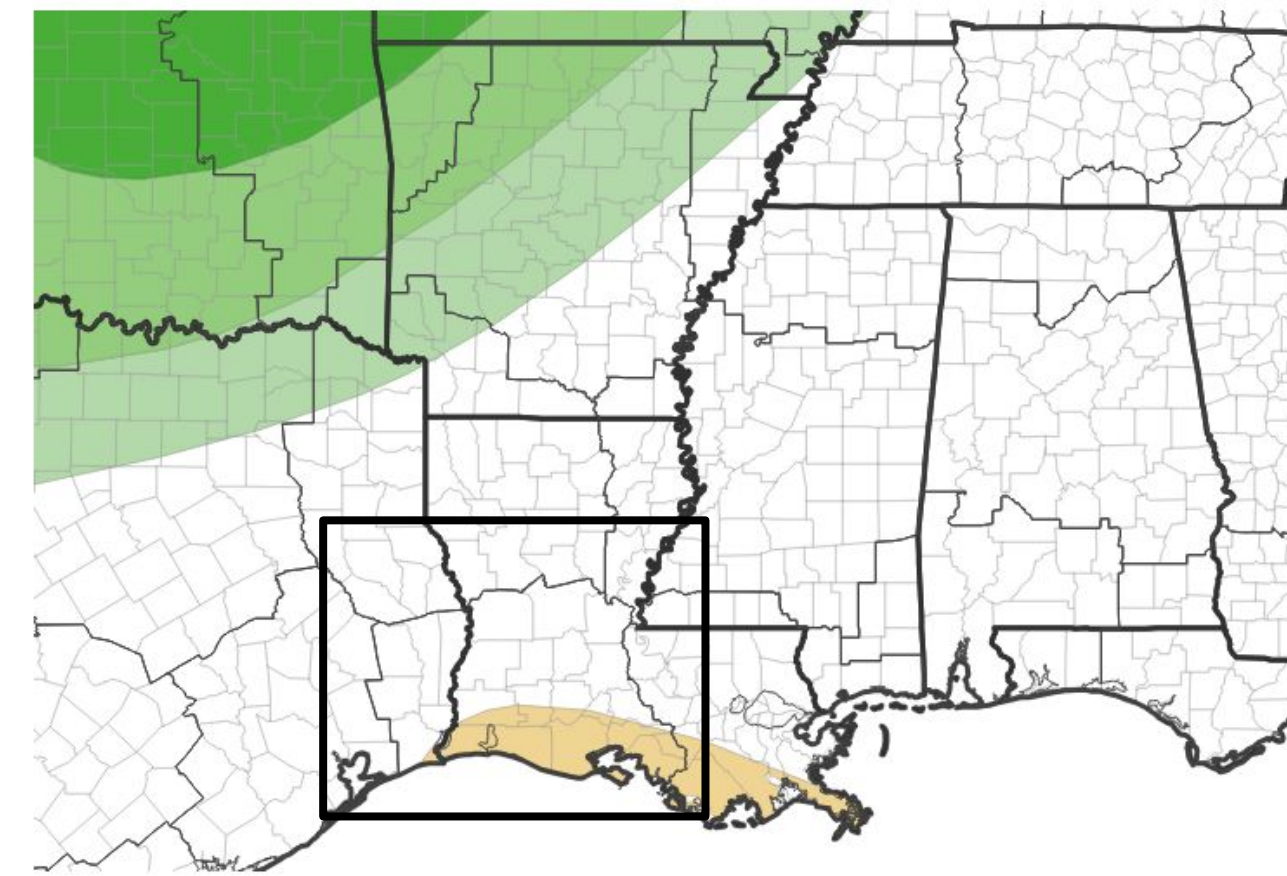
- Chances heavily favor above normal temperatures through the rest of the November.
- Chances favor near normal to slightly below normal precipitation through the rest of November.

Monthly Temperature Outlook for November 1, 2024–November 30, 2024



Source(s): Climate Prediction Center; image courtesy of Drought.gov Last Updated: 10/31/24

Monthly Precipitation Outlook for November 1, 2024–November 30, 2024



Source(s): Climate Prediction Center; image courtesy of Drought.gov Last Updated: 10/31/24

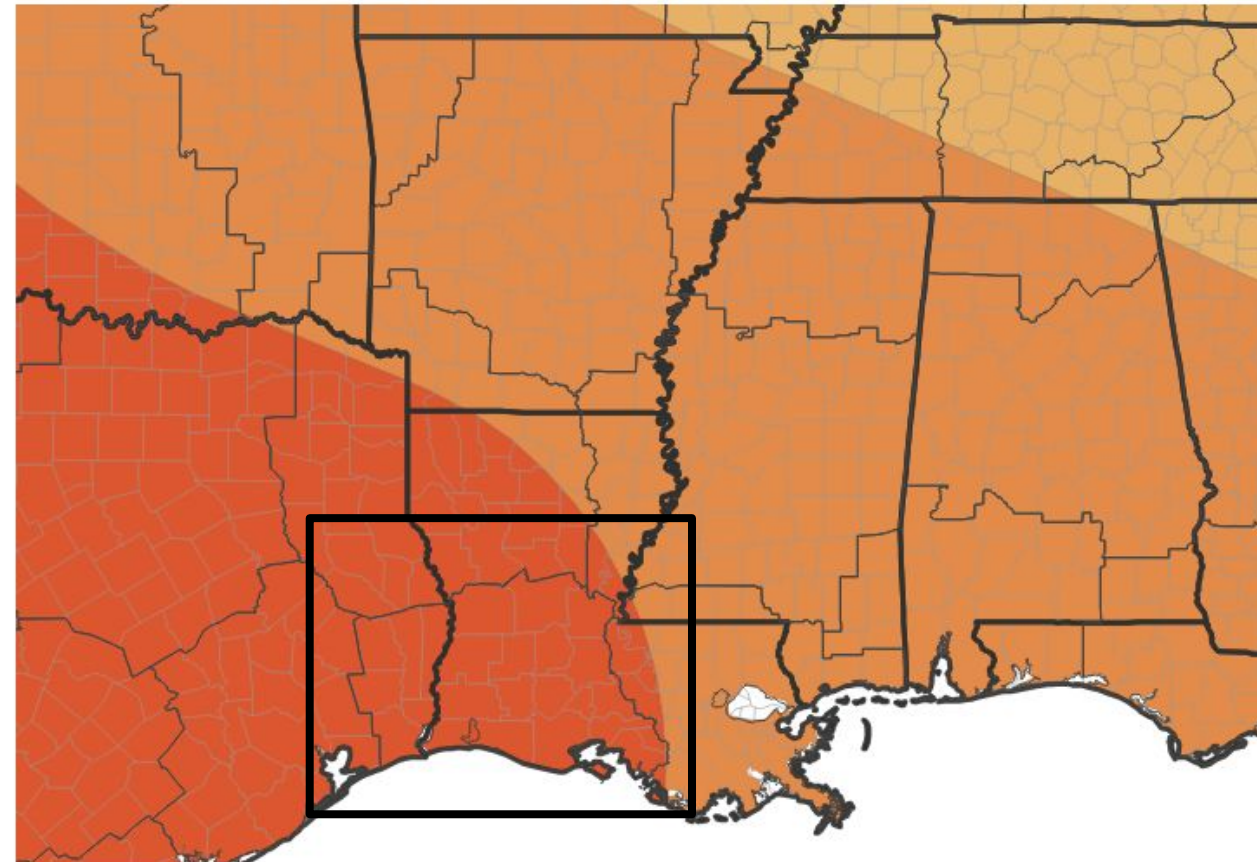


Long-Range Outlooks

Chances favor near normal temperatures and above normal precipitation.

- Chances heavily favor above normal temperatures through the end of January 2025.
- Chances favor below normal precipitation through January of 2025.

Seasonal (3-Month) Temperature Outlook for November 1, 2024–January 31, 2025



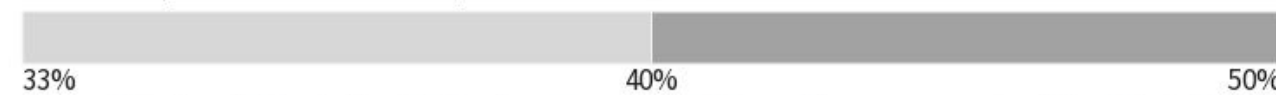
Probability of Below-Normal Temperatures



Probability of Above-Normal Temperatures



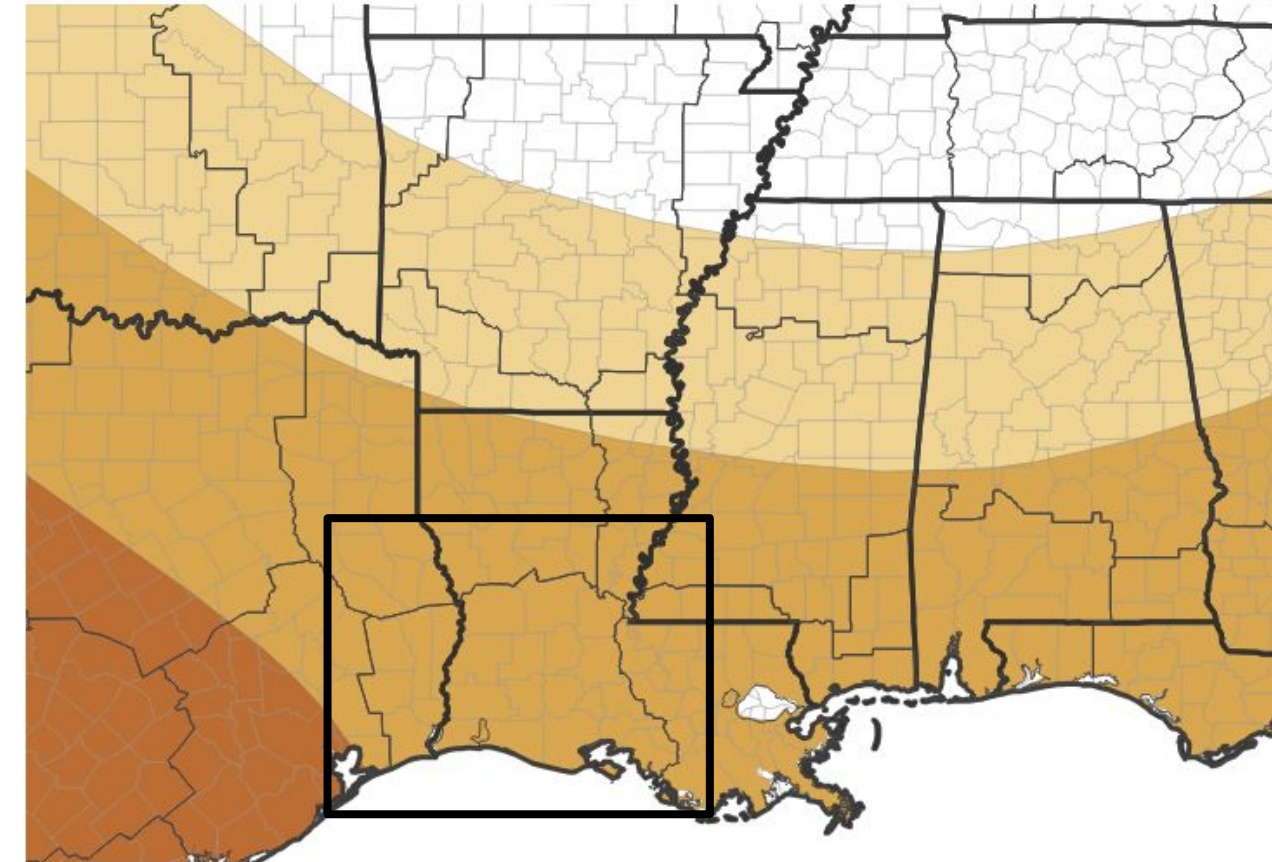
Probability of Near-Normal Temperatures



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

Last Updated: 10/17/24

Seasonal (3-Month) Precipitation Outlook for November 1, 2024–January 31, 2025



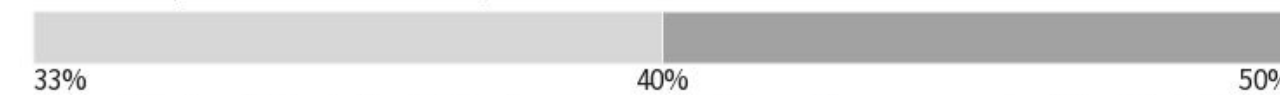
Probability of Below-Normal Precipitation



Probability of Above-Normal Precipitation



Probability of Near-Normal Precipitation



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

Last Updated: 10/17/24





Resources

- U.S. Drought Monitor droughtmonitor.unl.edu
- NWS Lake Charles Phone Number: (337) 477-5285 ext. 1
- NWS Lake Charles Webpage: www.weather.gov/LCH
- Online Severe Weather Reporting: [stormReport](https://stormreport.com)
- NWS Lake Charles Facebook www.facebook.com/NWSLakeCharles
- NWS Lake Charles Twitter twitter.com/NWSLakeCharles



Next Update: November 21st, 2024

