



Drought Information Statement for South Texas

Valid October 4, 2024

Issued By: NWS Corpus Christi, TX

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

- This product will be updated by November 7, 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/crp/DroughtInformationStatement> for previous statements..

- Abnormally dry conditions continue
- Streamflows remain below normal for much of the region



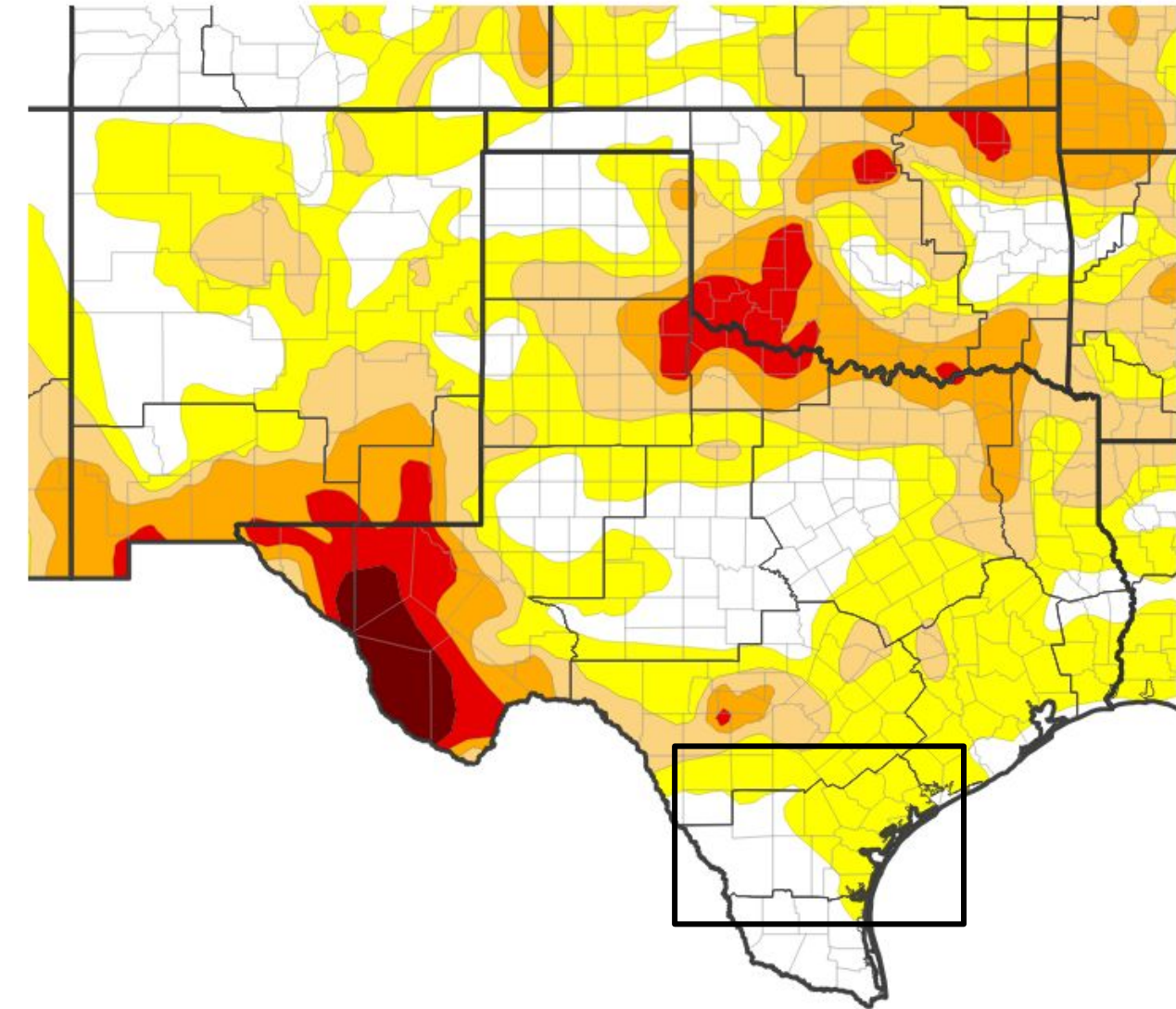
U.S. Drought Monitor

October 4, 2024
6:49 AM

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

- Drought intensity and Extent
 - **D4 (Exceptional Drought):** None
 - **D3 (Extreme Drought):** None
 - **D2 (Severe Drought):** None
 - **D1 (Moderate Drought):** None
 - **D0: (Abnormally Dry):** All of South Texas with the exception of Webb county

U.S. Drought Monitor



U.S. Drought Monitor



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

Data Valid: 10/01/24



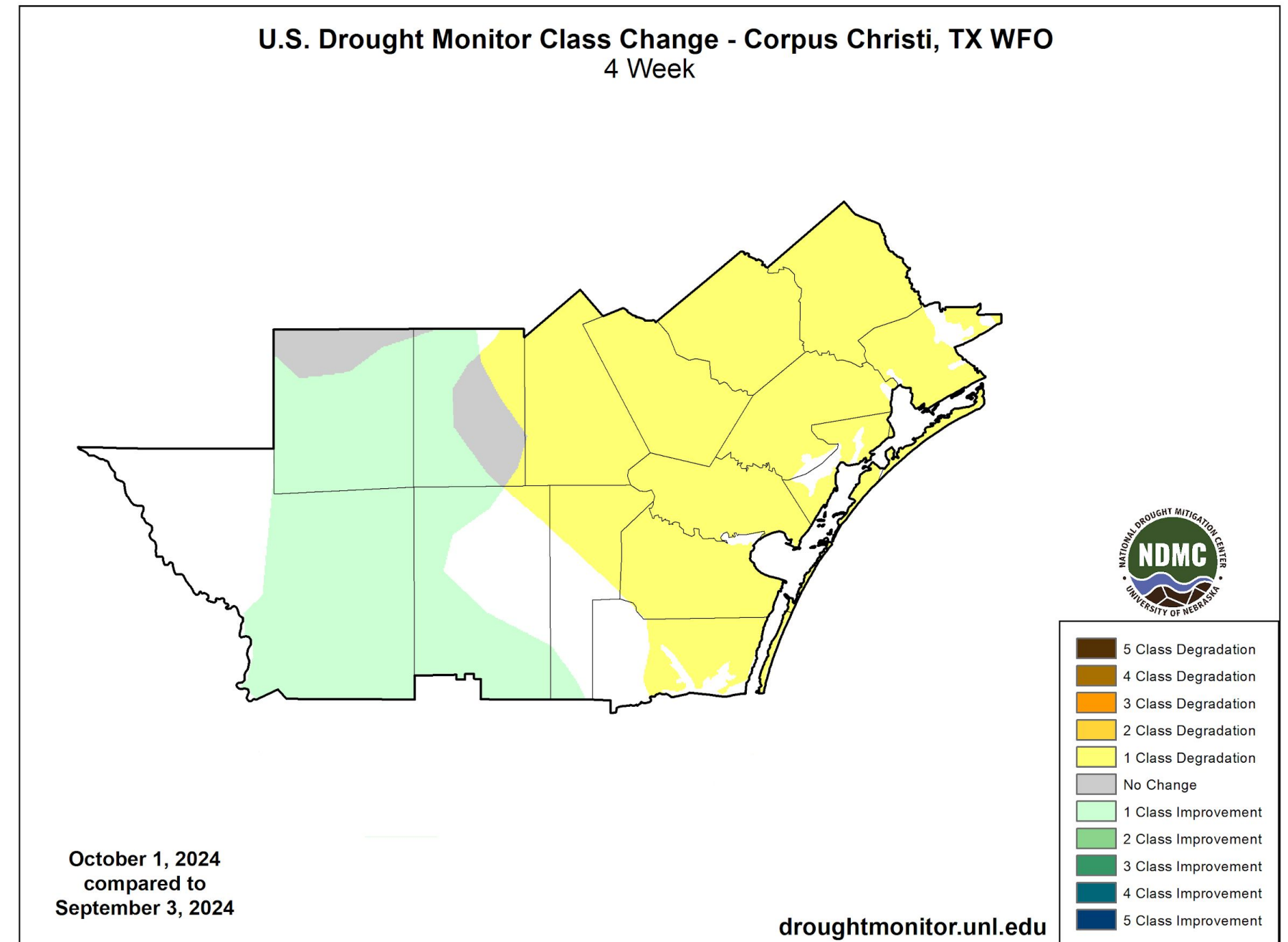


Recent Change in Drought Intensity

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

- Four Week Drought Monitor Class Change.
 - Drought Worsened: much of the Coastal Bend and Coastal Plains
 - No Change: Portions of La Salle and McMullen counties
 - Drought Improved: Portions of Webb, La Salle, Duval, and McMullen counties





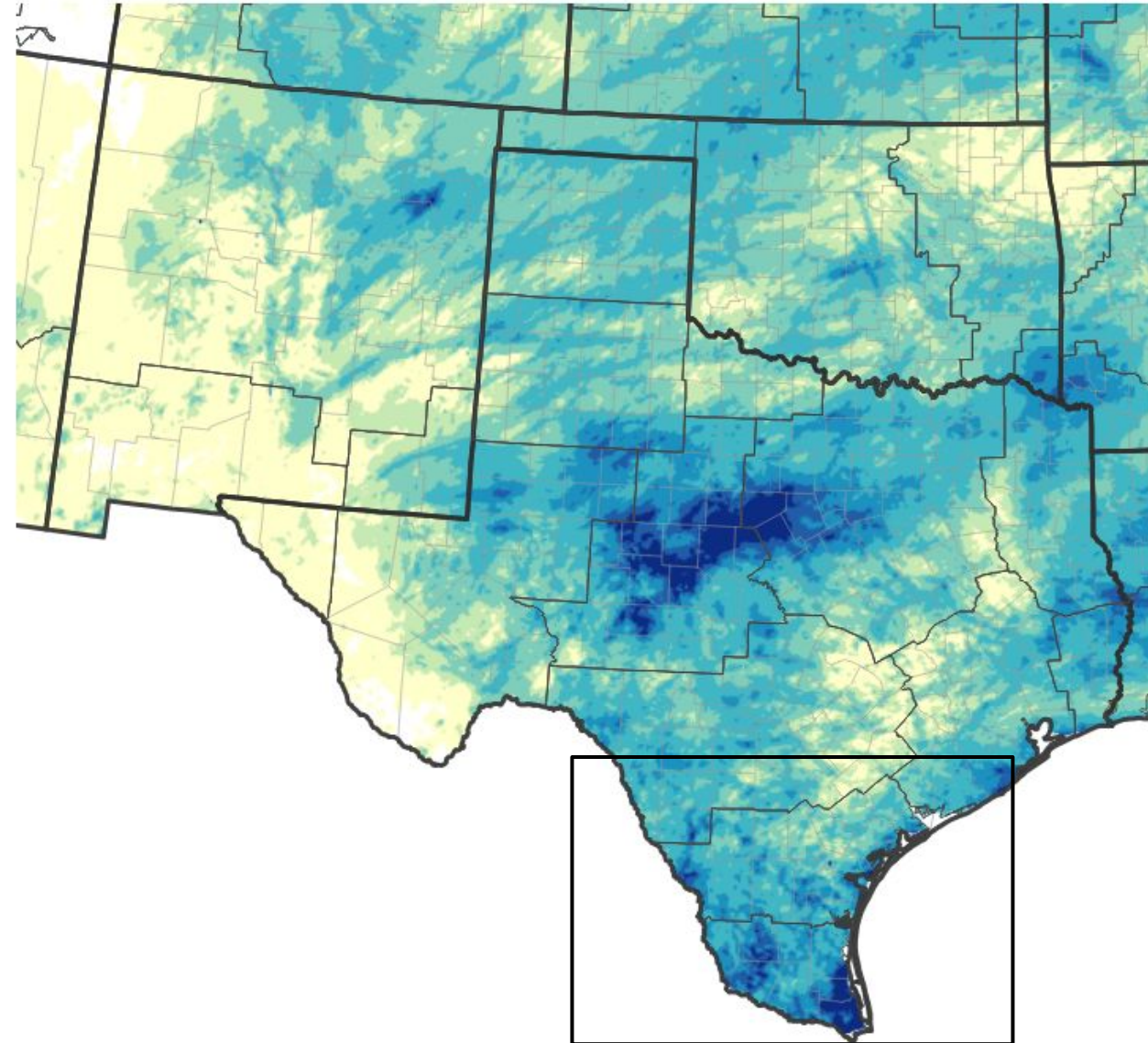
Precipitation

October 4, 2024
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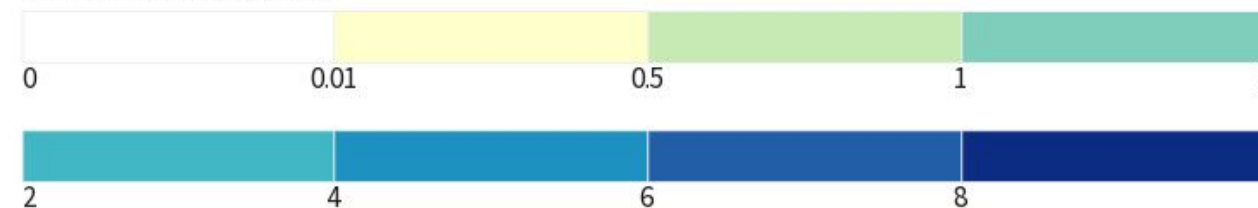
South Texas Rainfall

- Locations west of Highway 281 saw near normal rainfall through the month
- Locations east of Highway 281 saw below normal rainfall.

30-Day Precipitation Accumulations (Inches)

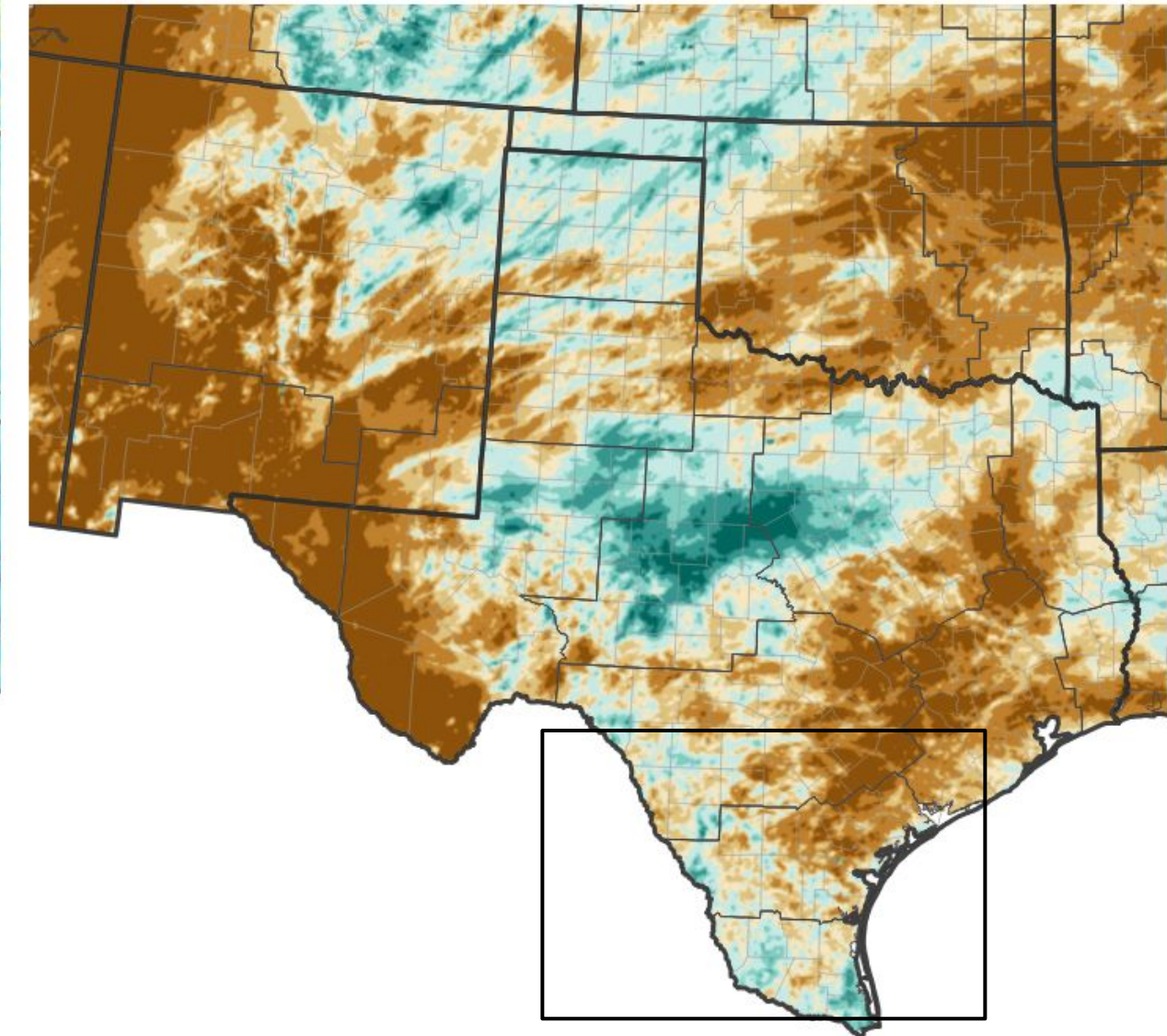


Inches of Precipitation

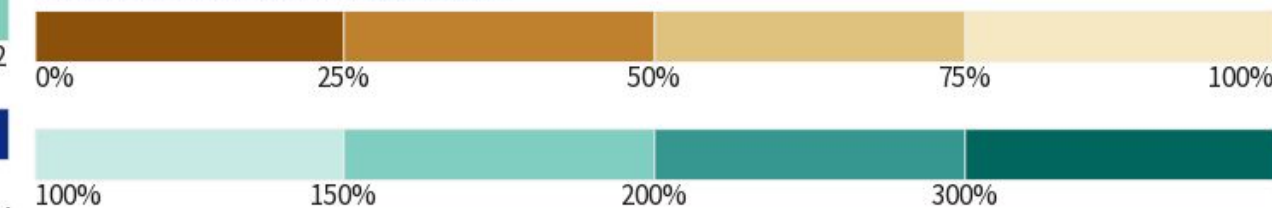


Source(s): National Weather Service Multi-Radar Multi-Sensor System; Last Updated: 10/03/24

30-Day Percent of Normal Precipitation



Percent of Normal Precipitation (%)



Source(s): National Weather Service Multi-Radar Multi-Sensor System; Last Updated: 10/03/24
image courtesy of Drought.gov



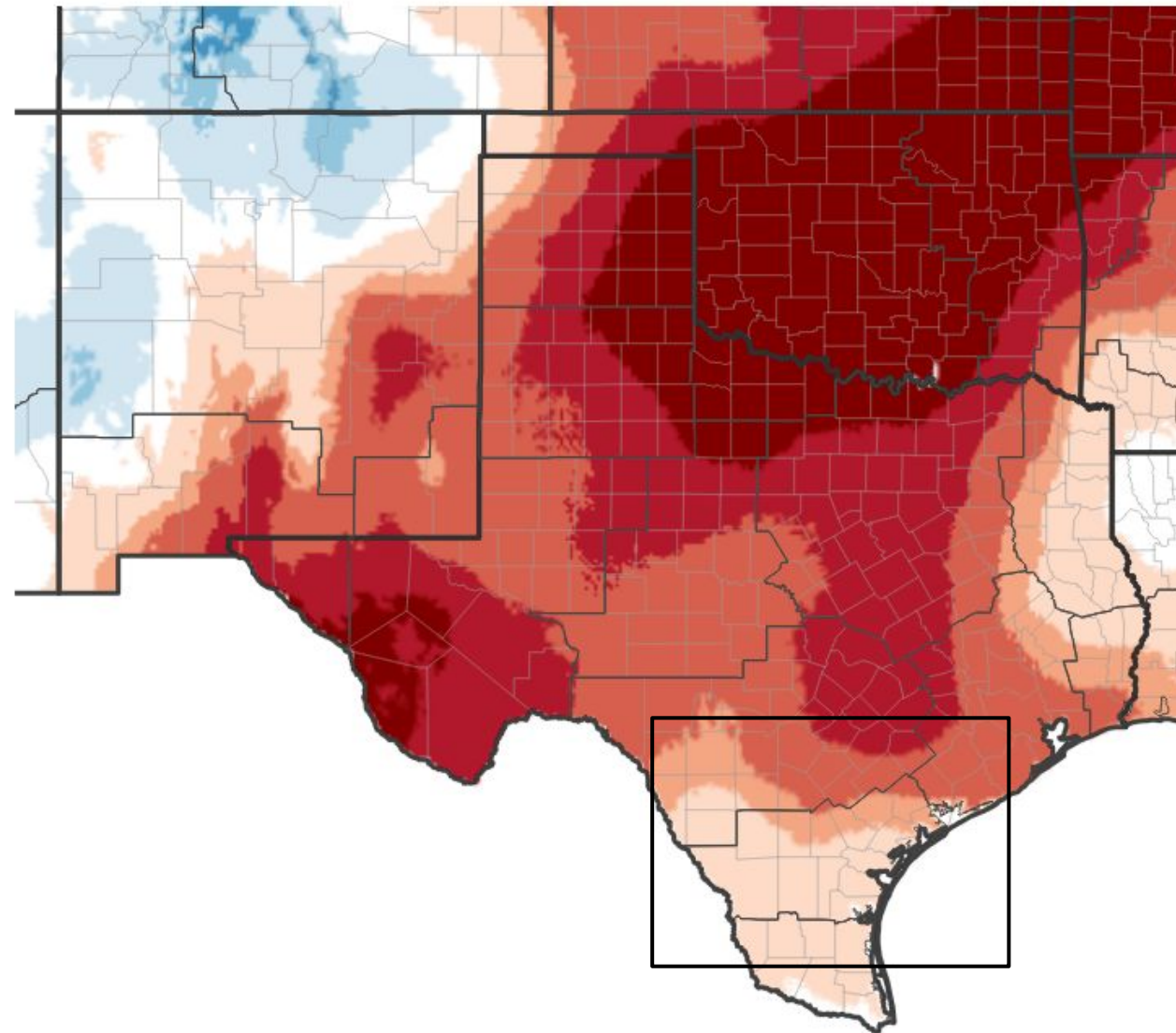


Temperature

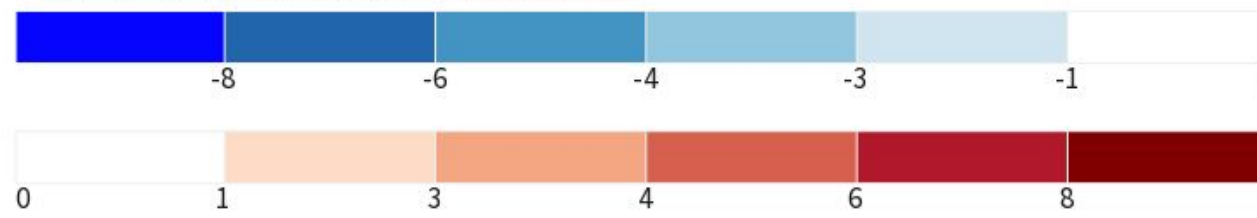
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- Temperatures were slightly above normal over the past week
- Looking at the past month, temperatures were near normal

7-Day Temperature Anomaly



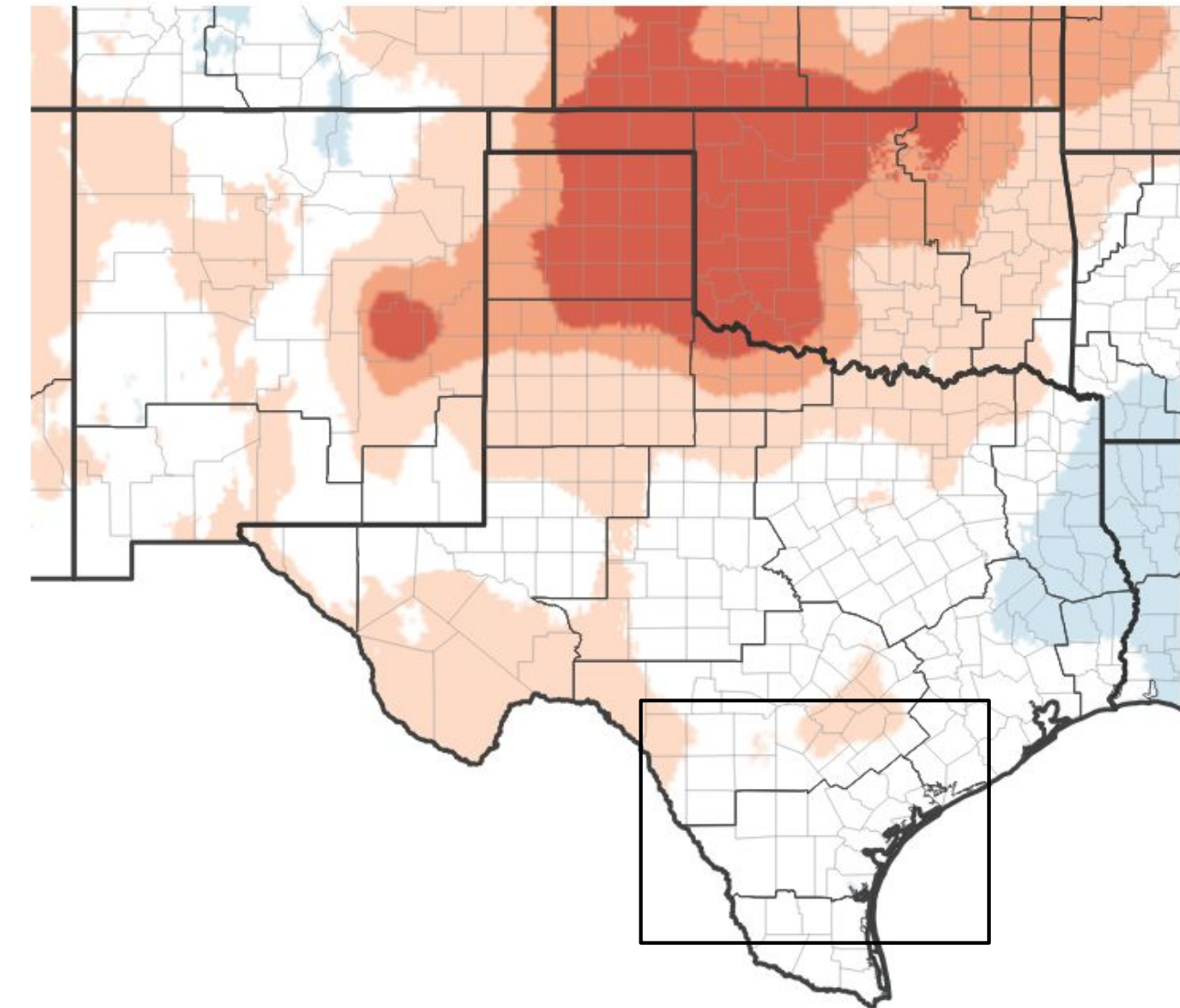
Departure from Normal Max Temperature (°F)



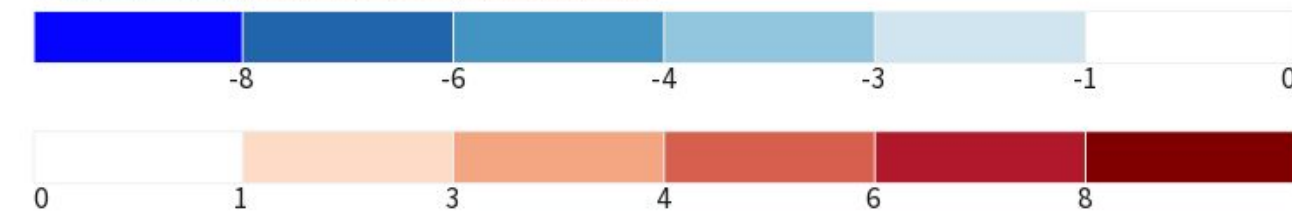
Source(s): NOAA's National Centers for Environmental Information; image courtesy of Drought.gov

Data Valid: 09/23/24

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: 09/23/24





Summary of Impacts

October 4, 2024

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

Hydrologic Impacts

- Low reservoir levels contributing to water restrictions

Agricultural Impacts (<https://agrifetoday.tamu.edu/>)

- Coastal Bend: Scattered thunderstorms improved moisture in parts of the district. Temperatures continued to be in the 90s, and drying conditions persisted. Field preparations continued for most operations. There were a few wet spots, but for the most part soil moisture conditions were drier than desired. Rangeland and pasture conditions remained good for most operations, but dry conditions were impacting growth. Armyworms showed up in some fields and pastures. Fall tillage was underway for corn fields. Acres planted for winter pasture were expected to be low this year due to an abundance of hay. Livestock continued to do well where grass was available and forage management was good. Fall cattle working continued, with large numbers being sold at area sale barns.
- South: Conditions were seasonably hot, with lower humidity and little to no rain reported. Some areas reported moderate weather conditions with cooler temperatures in the morning and highs reaching 90 degrees throughout the day. Topsoil and subsoil moisture conditions were short to adequate. Row crop farmers continued to work their ground in preparation for next year's crop. Cotton harvest was complete in some counties and continued in others. Sesame harvest was complete or neared completion. Peanuts were maturing and close to harvest. Citrus was doing well and fruit continued to mature, and there were reports of fruit fly activity on citrus. Fall corn was in excellent condition, and cool-season vegetables looked good. Hay fields were under irrigation and nearing the next cutting. Forage producers were hoping for one more cutting and were on the lookout for armyworms and other pests. Some pastures were yielding fairly well and in good shape, while rangeland and pasture conditions were slowly declining due to a lack of rainfall in some areas. Beef cattle producers continued to provide supplemental feed in some areas that lacked adequate grazing. Cattle prices remained high and steady. Wildlife were receiving supplemental feed and were a little more active despite the heat.





Summary of Impacts

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Fire Hazard Impacts

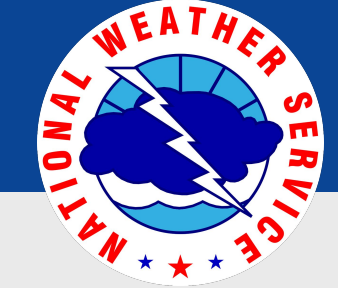
- Low to moderate fire danger at this time

Other Impacts

- Corpus Christi under stage 2 water restrictions (<https://www.cctexas.com/>)
- Laredo under stage 3 water restrictions (<https://laredoutilities.com/water-conservation-program/>)
- Alice under stage 2 restrictions
(<https://www.alicetx.com/2024/03/11/city-of-alice-enters-stage-2-moderate-drought-restriction/#/>)
- Bishop under stage 2 water restrictions
(<https://southtexascommunitynews.com/stcn/bishop-under-stage-2-water-restrictions#gsc.tab=0>)

Mitigation Actions

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

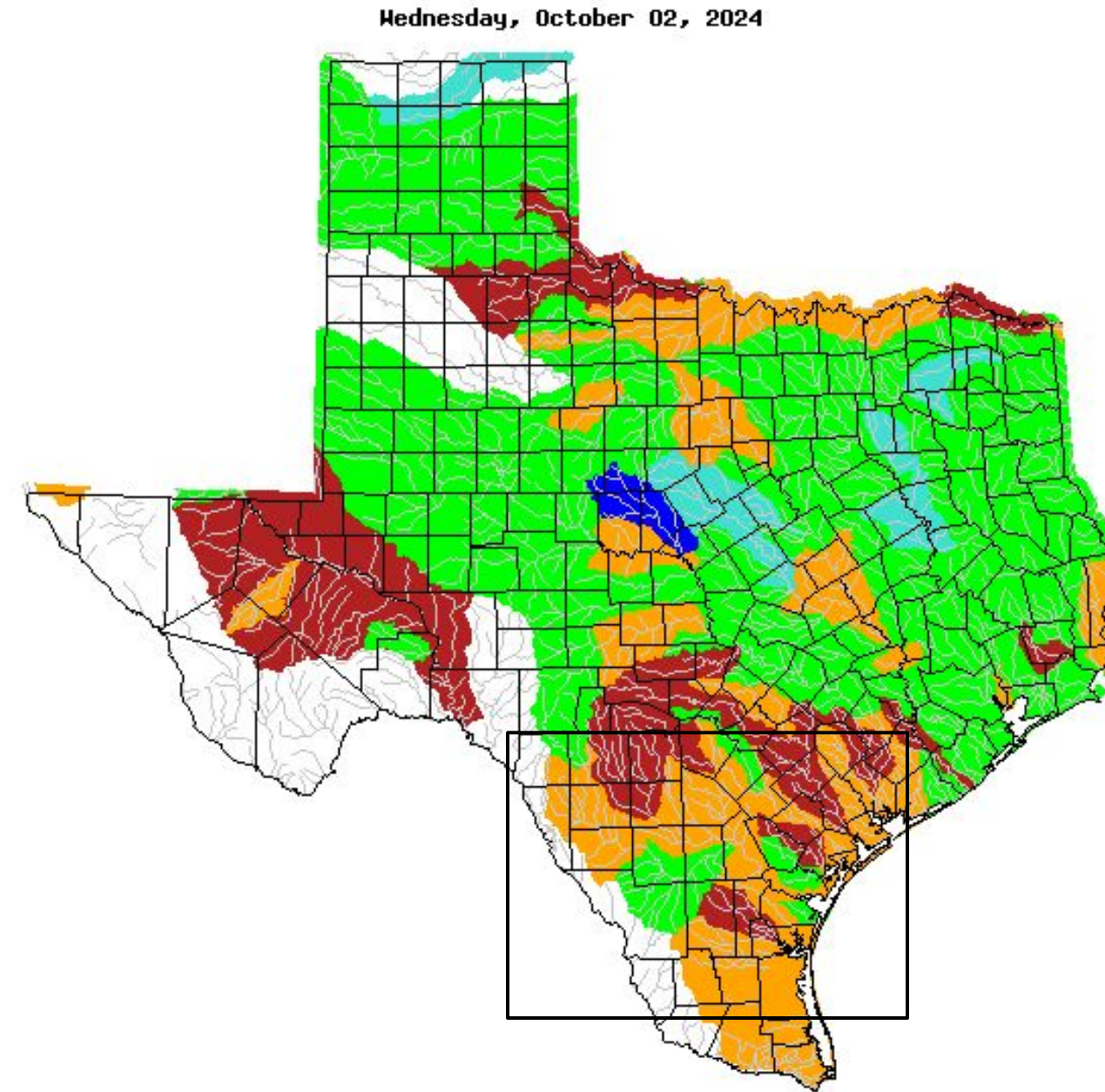


Hydrologic Conditions and Impacts

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USGS 7-Day Avg Streamflow | Texas Reservoirs

- Flows are below to much below normal across much of the region.



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		

Reservoir	Pool Elevation (ft)	Current Elevation (ft)
Choke Canyon.	220.5	189.00
Lake Corpus Christi	94.0	83.56
Lake Texana	44.0	42.1
Coleta Creek	98.0	96.21
Canyon Lake	909.0	888.73
Lake Amistad	1117.0	1051.43

Reservoir values as of Oct 4, 2024





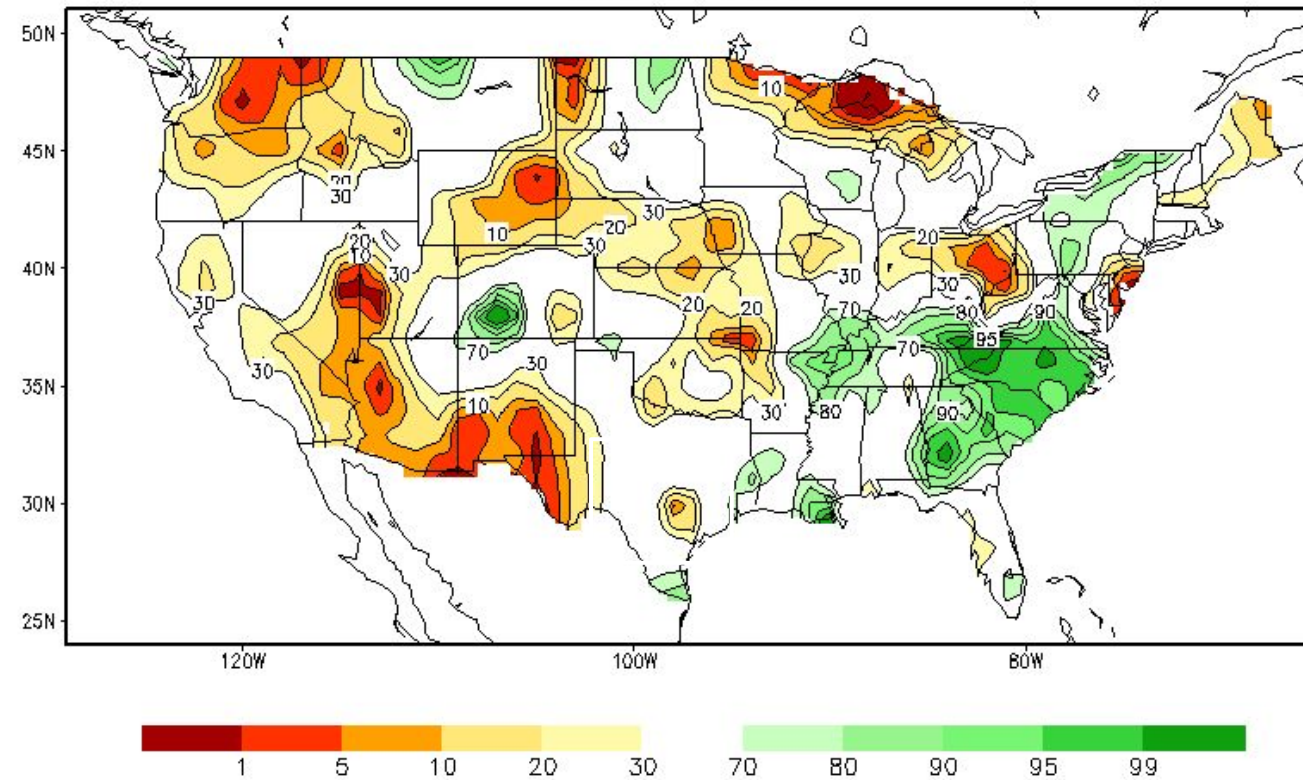
Agricultural Impacts

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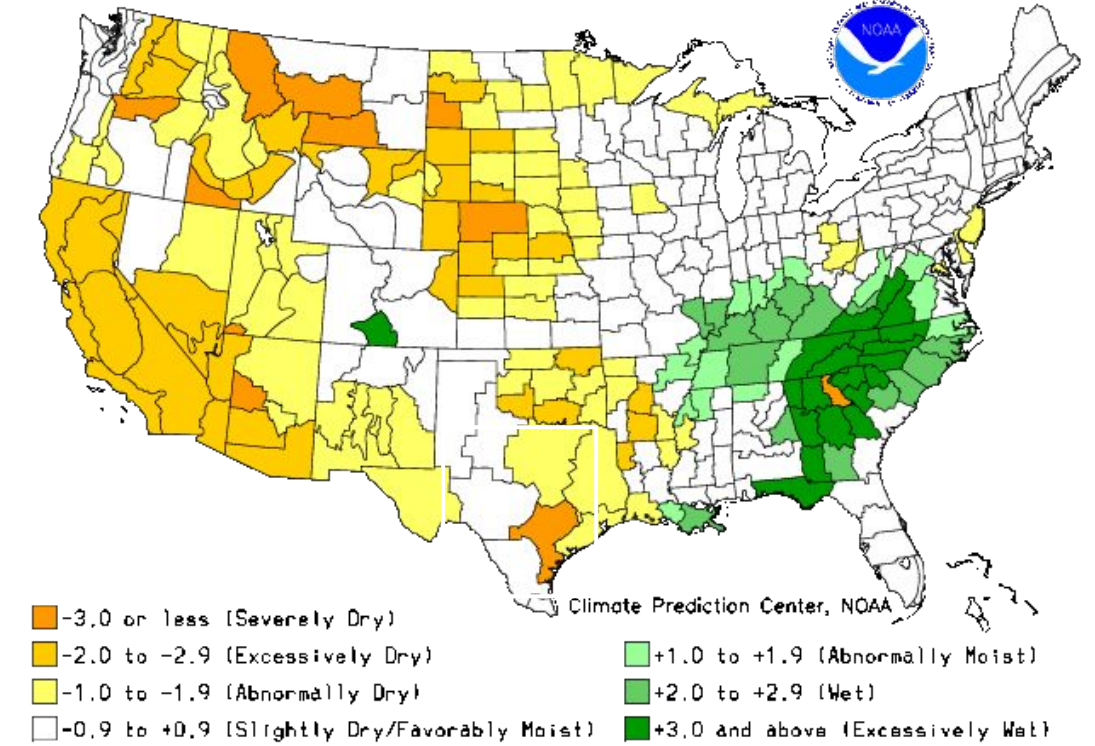
[Soil Moisture](#) | [Crop Moisture](#)

- Soil moisture is normal across South Texas. Moisture levels increase as you near Deep South Texas.
- Crop moisture is severely dry across South Texas

Calculated Soil Moisture Ranking Percentile
OCT 02, 2024



Crop Moisture Index by Division
Weekly Value for Period Ending SEP 28, 2024
Short Term Need vs. Available Water in a Shallow Soil Profile



-3.0 or less (Severely Dry) +1.0 to +1.9 (Abnormally Moist)
 -2.0 to -2.9 (Excessively Dry) +2.0 to +2.9 (Wet)
 -1.0 to -1.9 (Abnormally Dry) -0.9 to +0.9 (Slightly Dry/Favorably Moist)
 +3.0 and above (Excessively Wet)



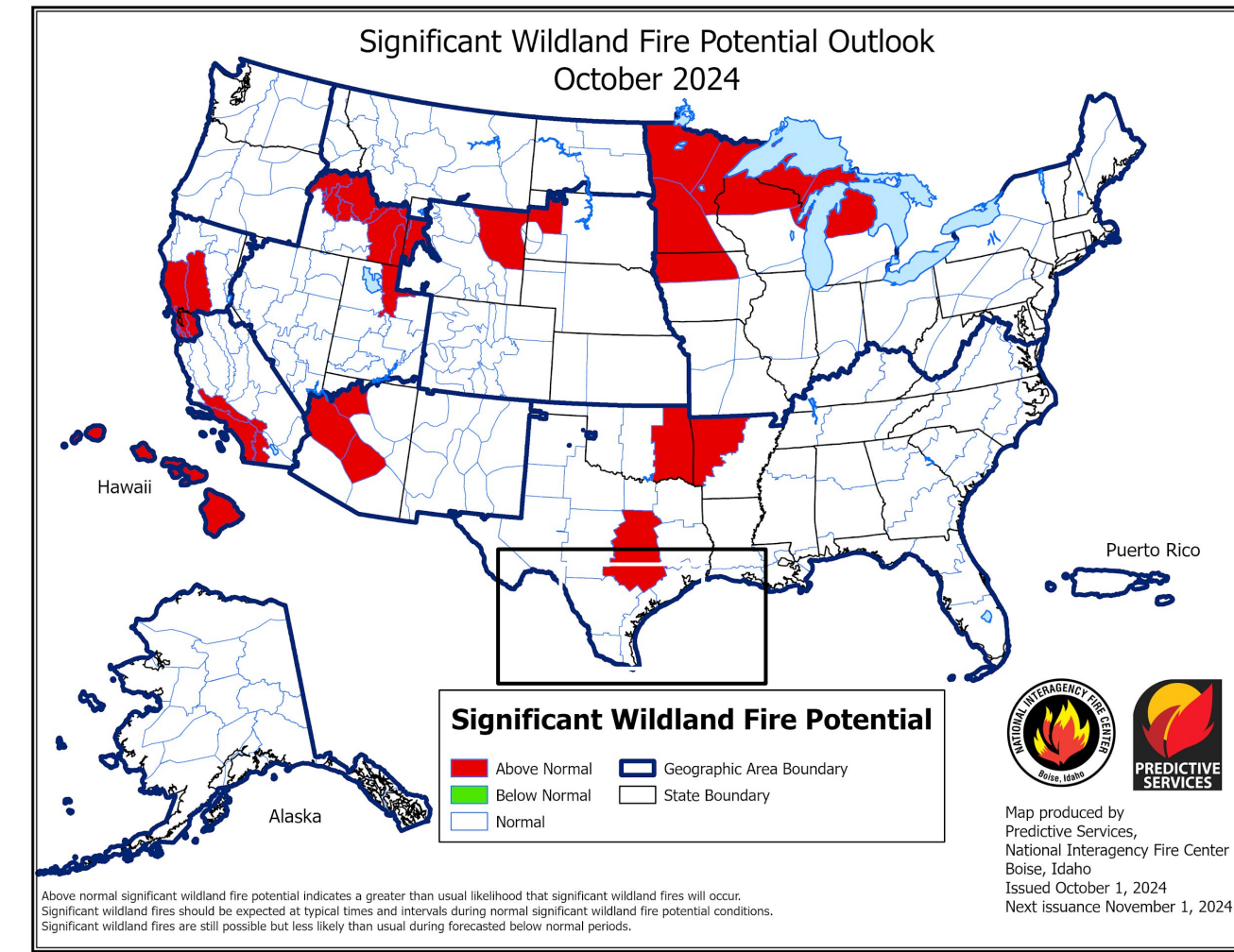
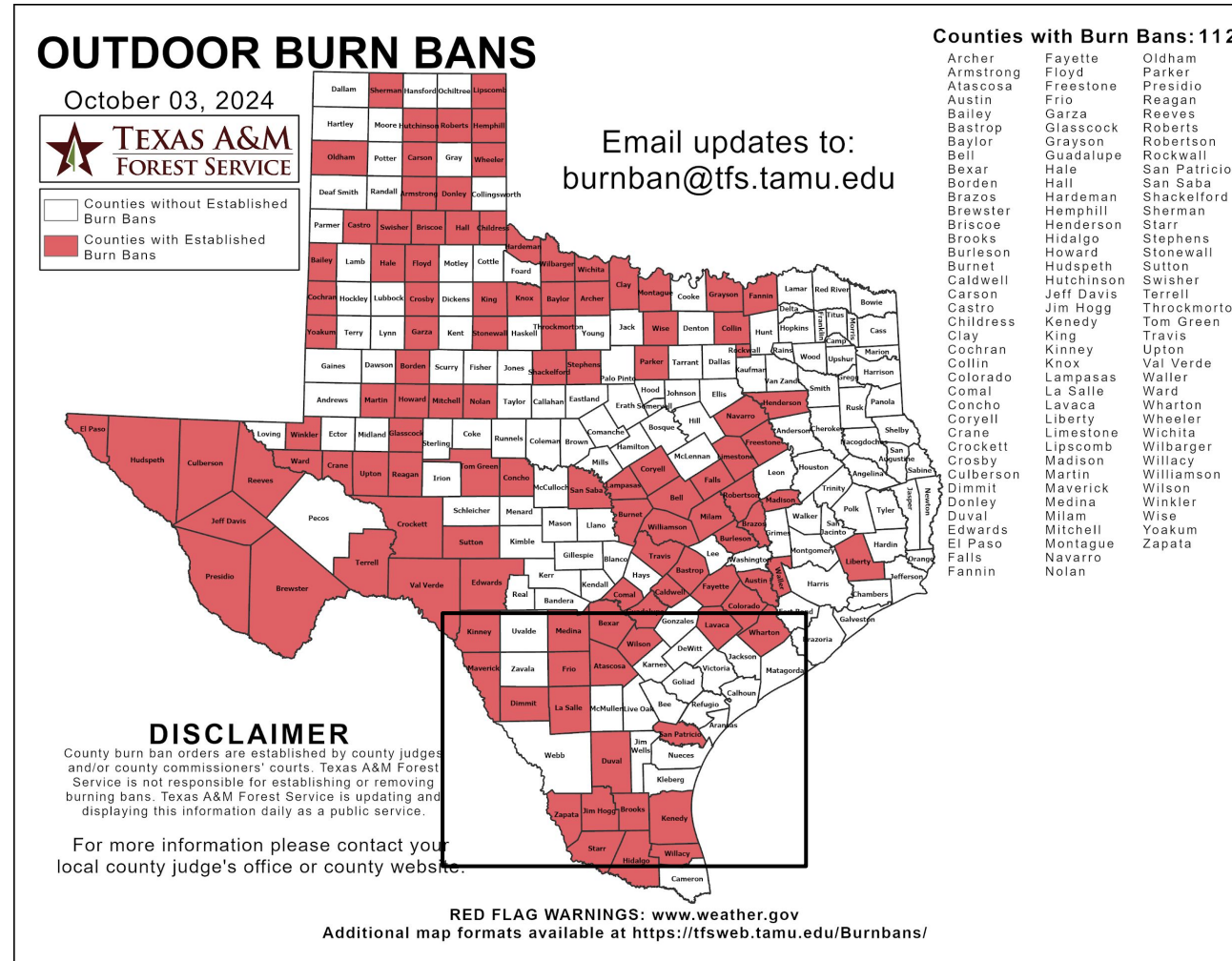
Fire Hazard Impacts

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

- Burn Bans in place across portions of South Texas
- Normal significant wildfire potential through October

Latest TX Burn Ban map available [here](#).





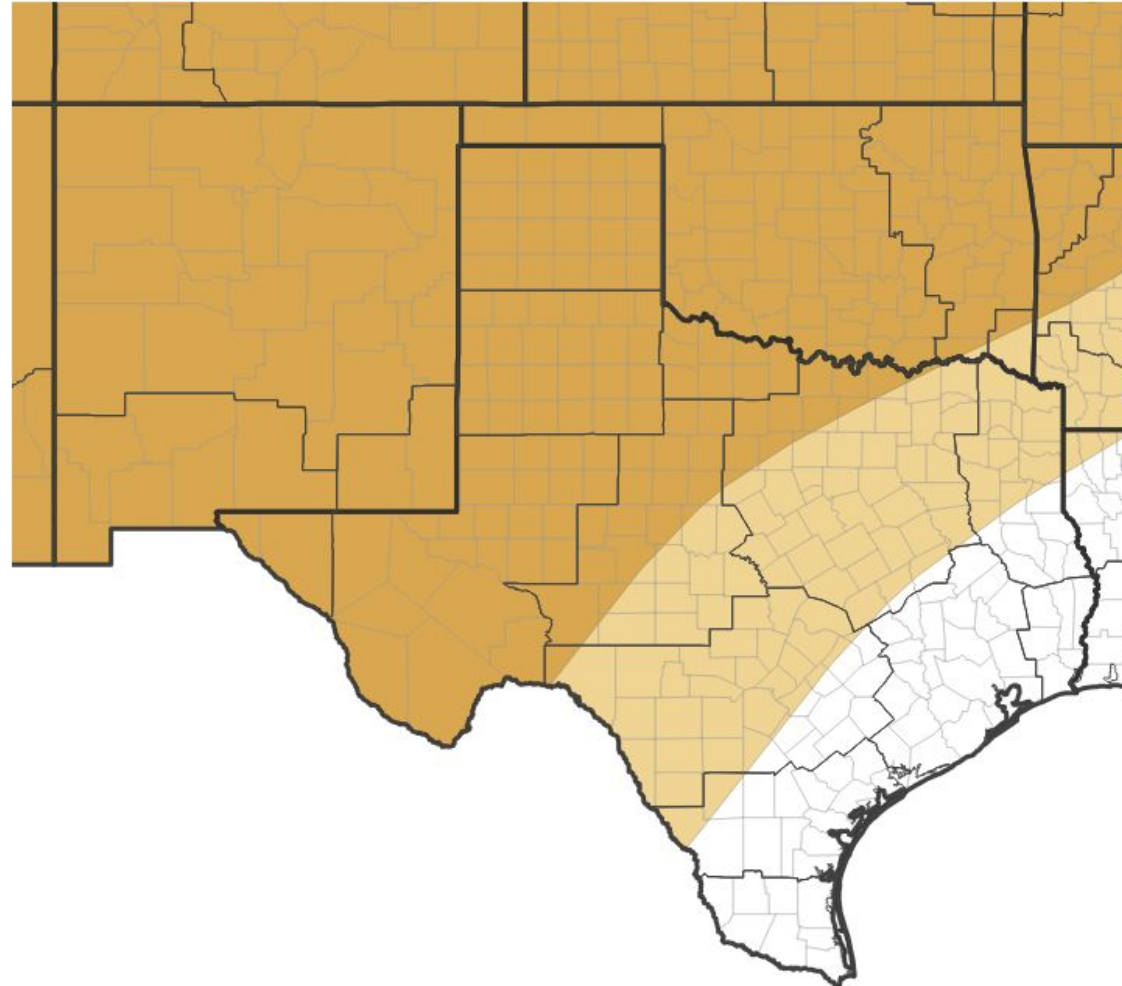
Long-Range Outlooks

October 4, 2024
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The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

- Near to slightly below normal chances for precipitation through October
- Above normal chances for temperatures in October

Monthly Precipitation Outlook for October 1, 2024–October 31, 2024



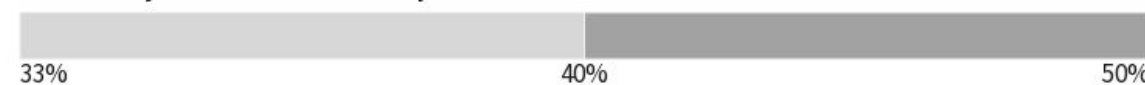
Probability of Below-Normal Precipitation



Probability of Above-Normal Precipitation



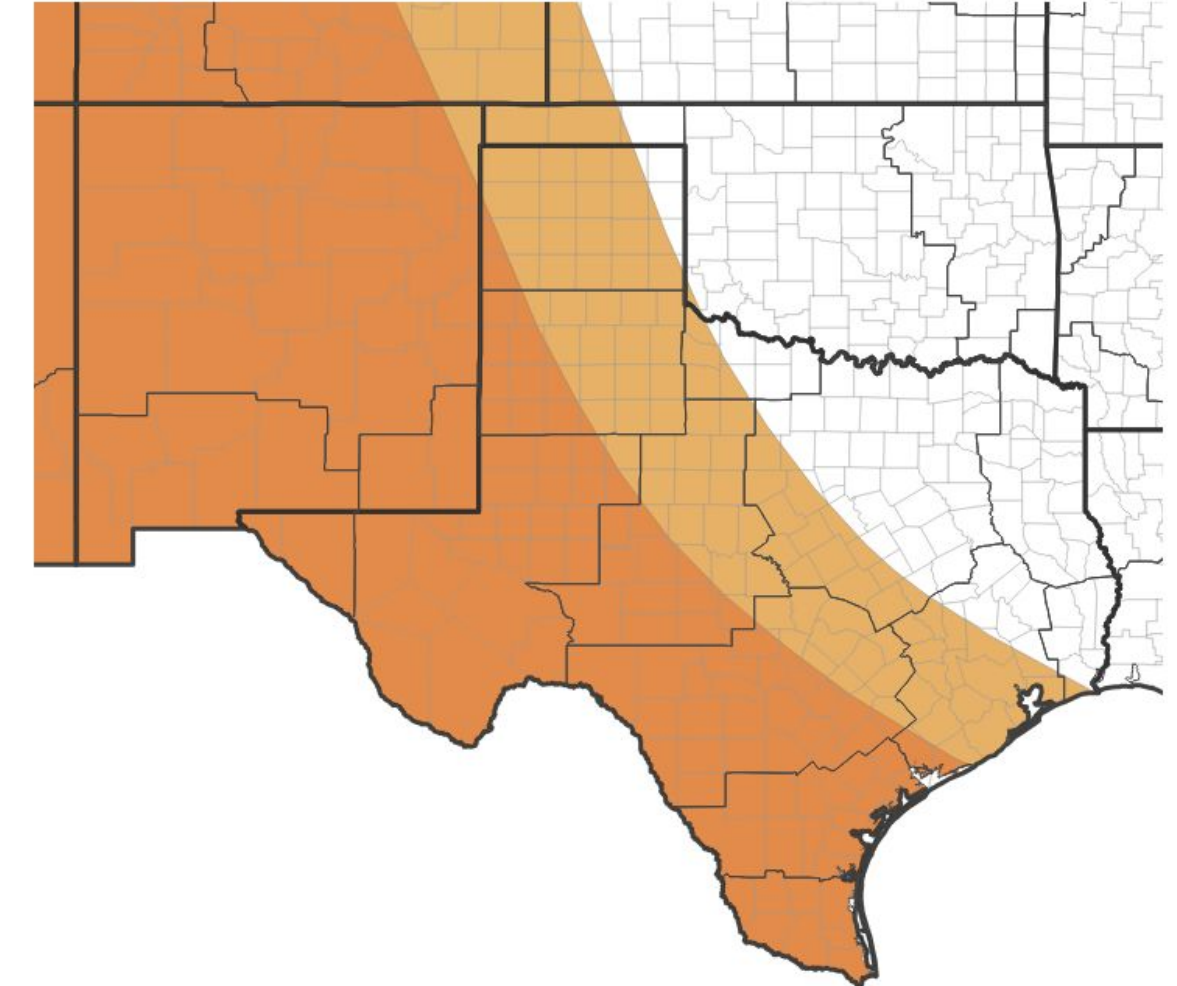
Probability of Near-Normal Precipitation



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

Last Updated: 09/19/24

Monthly Temperature Outlook for October 1, 2024–October 31, 2024



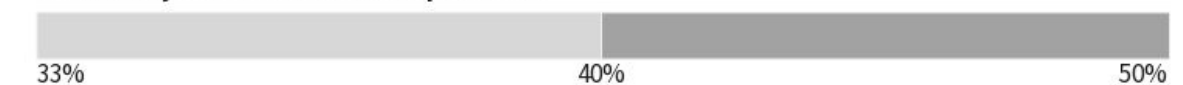
Probability of Below-Normal Temperatures



Probability of Above-Normal Temperatures



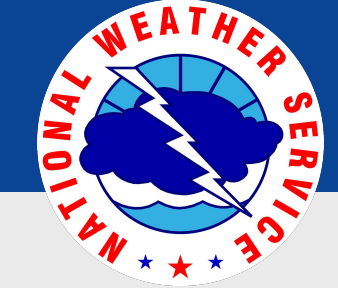
Probability of Near-Normal Temperatures



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

Last Updated: 09/19/24





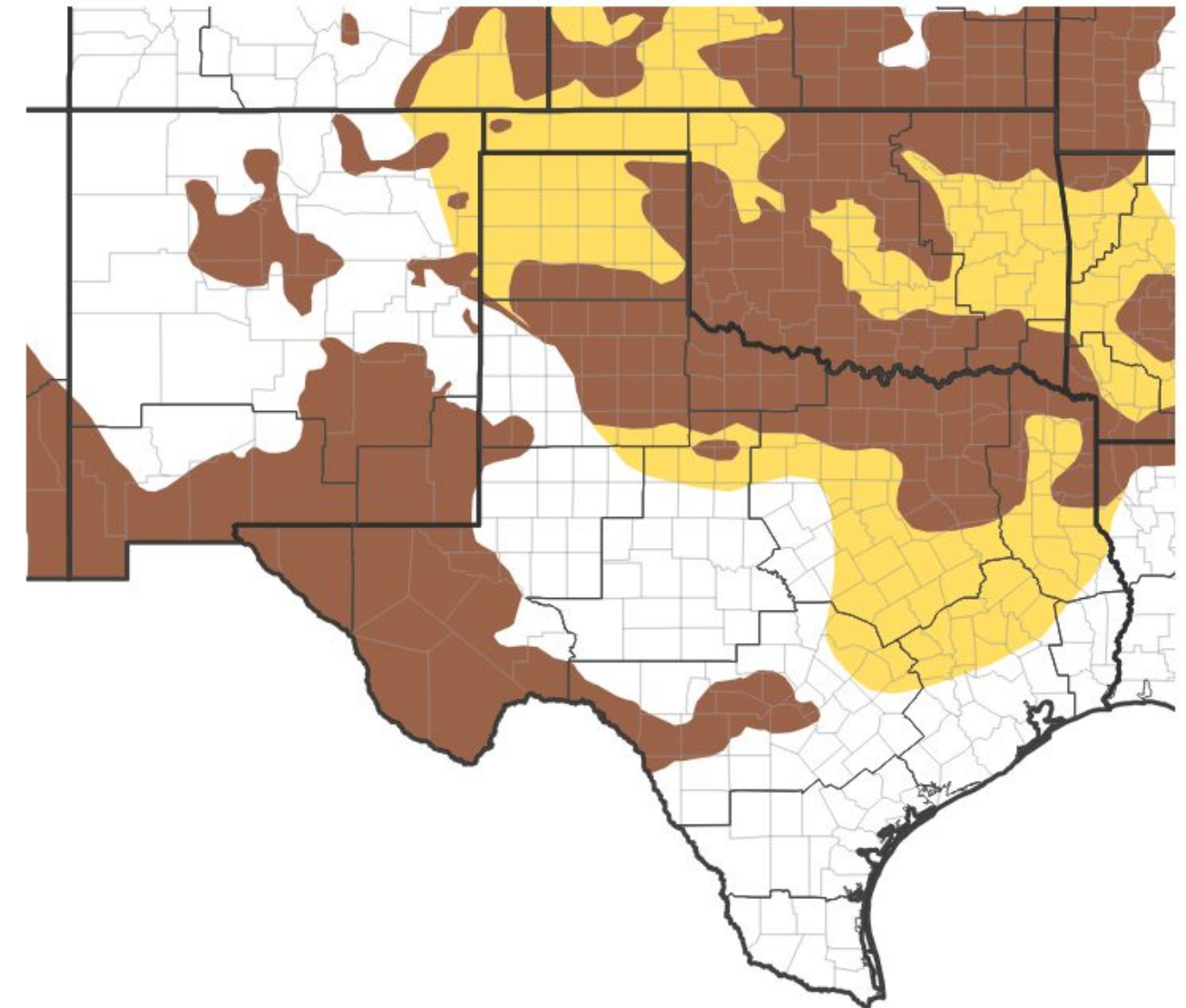
Drought Outlook

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

- Drought conditions are not expected to develop over the next 3 months.

Seasonal (3-Month) Drought Outlook for September 19, 2024–December 31, 2024



Drought Is Predicted To...



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

Last Updated: 09/19/24

