



# Drought Information Statement for South Central Texas

Valid September 5, 2024

Issued By: NWS Austin/San Antonio

Contact Information: [sr-ewx.webmaster@noaa.gov](mailto:sr-ewx.webmaster@noaa.gov)

- This product will be updated October 3, 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/ewx/DroughtInformationStatement> for previous statements.
  - Please visit <https://www.drought.gov/drought-status-updates/> for regional drought status updates.
- 
- Some much needed rain occurred over the western part of the service area to provide improvement of drought conditions
  - Reservoir levels across the service area saw some improvement while overall water storage remains low
  - Monthly outlooks show potential for additional improvement of drought conditions through the month of September



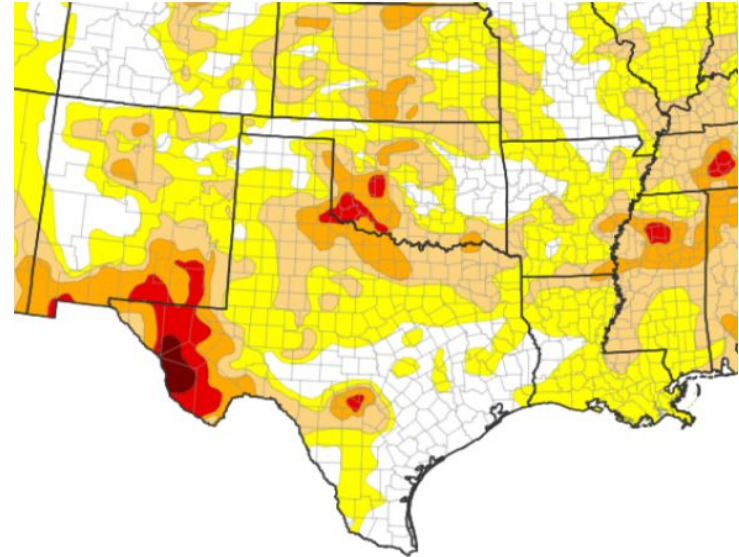


# U.S. Drought Monitor

Link to the [latest U.S. Drought Monitor](#) for south central Texas

- Drought intensity and Extent
  - **D3 (Extreme Drought):** Covers portions of the Hill Country
    - Percent of Area: 1.70%
  - **D2 (Severe Drought):** Extends across the portions of the Hill Country
    - Percent of Area: 7.04%
  - **No Drought or D0 (Abnormally Dry):** Encompasses the Coastal Plains, and portions of the Hill Country, Southern Edwards Plateau, I-35 corridor, and Rio Grande Plains
    - Percent of Area: 67.92%

## . Drought Monitor



### Drought Monitor



ce(s): NDMC, NOAA, USDA

Valid: 09/03/24

**Drought.g**

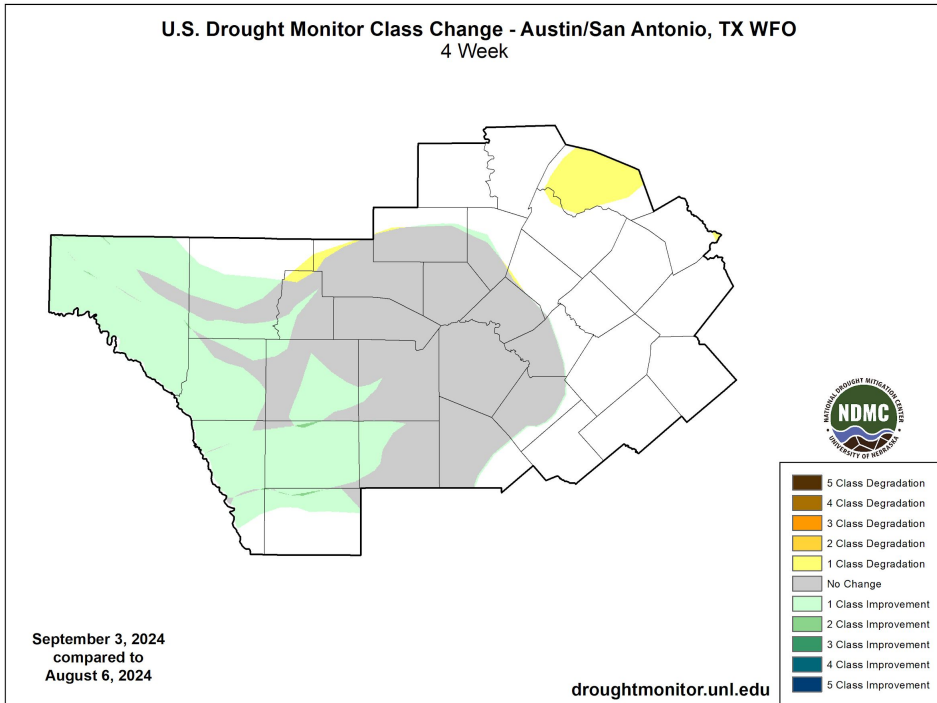




# Recent Change in Drought Intensity

Link to the latest [4-week change map](#) for south central Texas

- Four Week Drought Monitor Class Change.
  - Drought Worsened: primarily over Williamson County saw drought conditions worsen
  - No Change: portions of the I-35 corridor, Hill Country, and southern Edwards Plateau, and Rio Grande Plains
  - Drought Improved: Much of the Rio Grande plains, and southern Edwards Plateau saw improvement over the last 30 days.





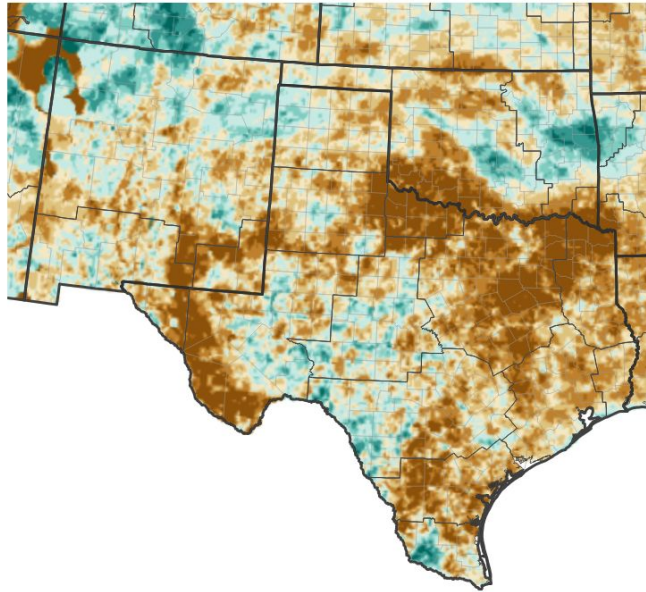
# Precipitation

Links to the latest [Precipitation Accumulation](#) and [Percent of Normal](#) over the past 30 days

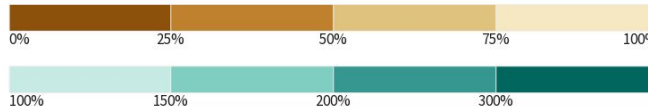
The service area divided into roughly three zones of rainfall for the past 30 days.

- Well below normal rainfall was seen over portions of the I-35 corridor, Coastal Plains, and Winter Garden with decent swaths of less than 25% of normal
- Portions of the Hill Country, I-35 corridor, and Coastal Plains saw slightly below to near normal rainfall
- And a late August/early September deluge brought portions of the Rio Grande Plains, southern Edwards Plateau into near to well above normal percentages

30-Day Precipitation: Percent of PRISM Normal

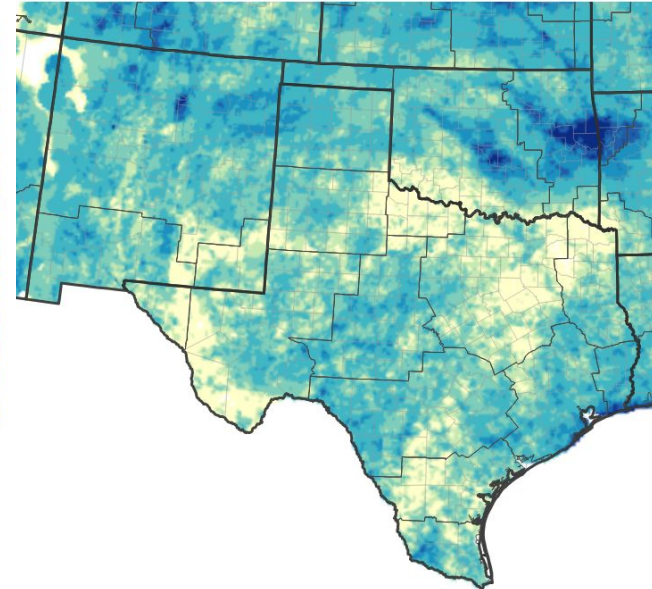


Percent of Normal Precipitation (%)

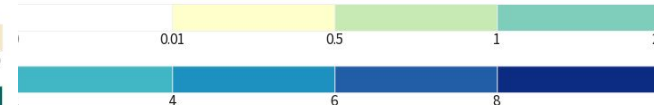


Source(s): National Weather Service National Water Prediction Service; image courtesy of Drought.gov Data Valid: 09/03/24

NWPS 30-Day Precipitation Accumulations (inches)



Inches of Precipitation



Source(s): National Weather Service National Water Prediction Service; Data Valid: 09/03/24





# Summary of Impacts

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

## Hydrologic Impacts

- The majority of watersheds across the service area fall within either the normal to above normal percentile classification given the late August/early September rainfall ([USGS](#))
- However, the Frio River, and portions of the Guadalupe River and lower Colorado river basins remain in the below to much below percentile classifications. ([USGS](#))
- See next page for more details

## Agricultural Impacts

- Please see the latest [Crop & Weather Report](#) from Texas A&M Agrilife
- Soil moistures across the service area are shown in the normal range ([NWS Climate Prediction Center](#))

## Fire Hazard Impacts

- Normal wildland fire activity is forecast through the month of September ([National Interagency Coordination Center](#))
- See Fire Hazard page for more details

## Drought Mitigation Actions

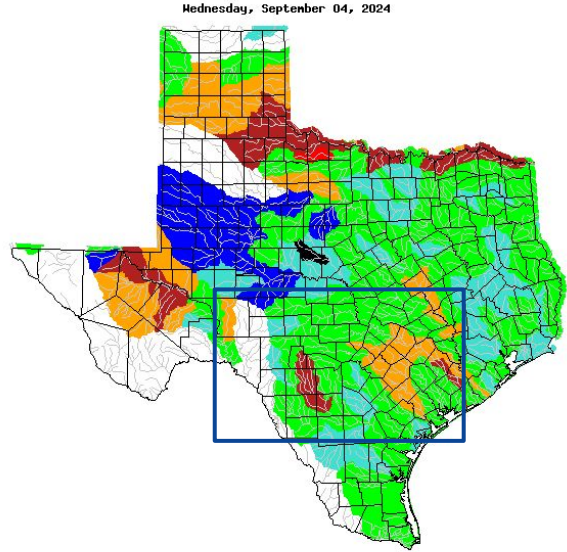
- Please refer to your municipality and/or water provider for mitigation information.
- Select [Municipality Restrictions](#) (as of 9/5/2024)
  - City of Uvalde: Stage 5
  - City of Fredericksburg: Stage 4
  - City of Kerrville: Stage 3
  - City of San Antonio: Stage 3
  - City of Universal City: Stage 3
  - City of Georgetown: Stage 2
  - City of New Braunfels: Stage 2
  - City of Austin: Stage 2
  - City of Del Rio: Stage 2
  - City of Llano: Stage 2





# Hydrologic Conditions and Impacts

- The majority of watersheds across the service area fall within either the normal to above normal percentile classification given the late August/early September rainfall
- However, the Frio River, and portions of the Guadalupe River and lower Colorado river basins remain in the below to much below percentile classifications.



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		

Figure Caption: [USGS 7 day streamflows for Texas](#), valid September 4, 2024

Reservoir	Pool Elevation	Current Elevation	Percent Full
Amistad	1117.00 feet	1049.68 feet	25.7%
Medina Lake	1064.2 feet	974.78 feet	3.3%
Canyon Lake	909.00 feet	884.72 feet	55.9%
Granger Lake	504.00 feet	504.49 feet	100%
Georgetown Lake	791.00 feet	782.96 feet	74.6%
Lake Buchanan	1020.00 feet	1005.39 feet	69.0%
Lake LBJ	825.00 feet	824.63 feet	97.9%
Lake Marble Falls	738.00 feet	736.38 feet	95.1%
Lake Travis	681.00 feet	642.64 feet	48.4%
Lake Austin	492.9 feet	492.16 feet	95.8%

Table caption: [TWDB Reservoir](#) conditions as of September 5, 2024

Additional data:  
[Edwards Aquifer, Bexar Index Well J-17](#) as

of September 5, 2024:  
 10 day average: 630  
 Historical Monthly Average: 659.9  
 Departure from Average: -27.1

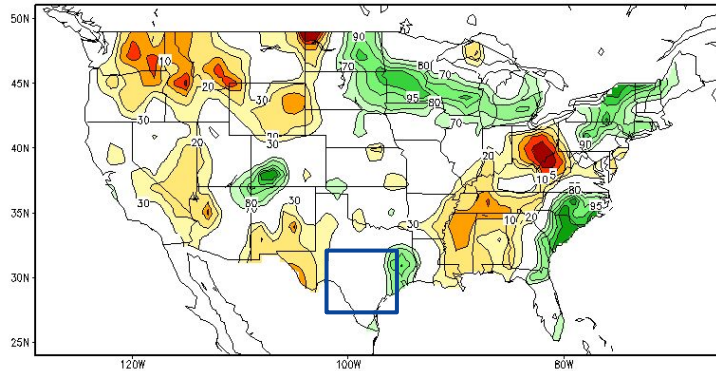


# Agricultural Impacts

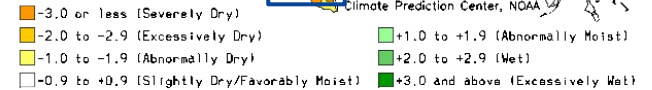
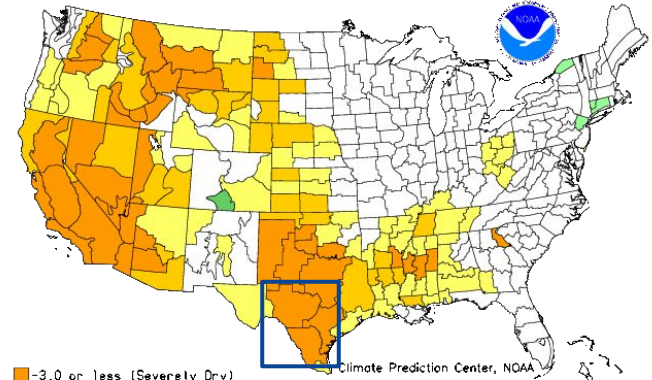
Links to the latest [Soil Moisture Ranking Percentile](#) and [Crop Moisture Index by Division](#).

- Soil moistures across the service area are shown in the normal range
- Crop moisture index values show excessively dry conditions across all of the climate zones within our service area

Calculated Soil Moisture Ranking Percentile  
SEP 04, 2024



Crop Moisture Index by Division  
Weekly Value for Period Ending AUG 31, 2024  
Short Term Need vs. Available Water in a Shallow Soil Profile

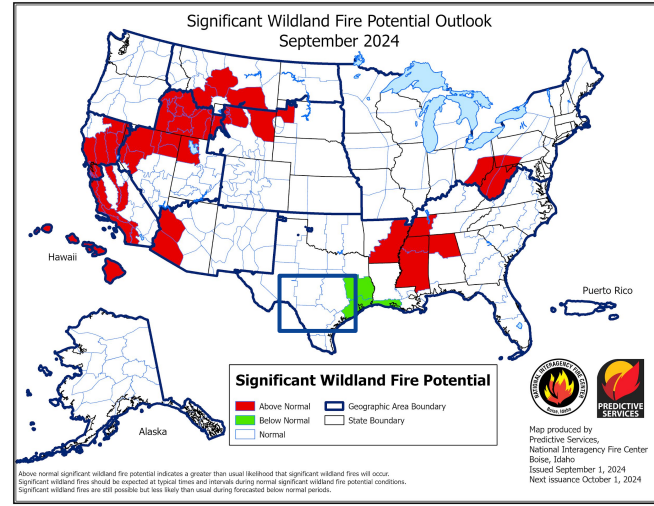
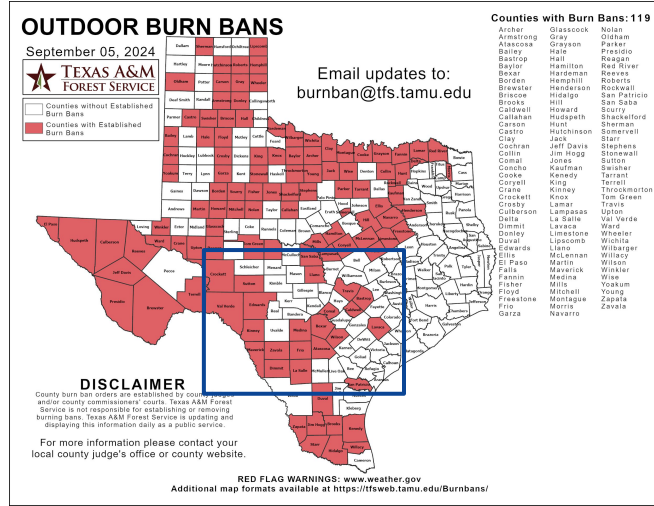




# Fire Hazard Impacts

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

- [Keetch Byram Drought Index](#) values of 0 to 300 range across the southern Edwards Plateau, Rio Grande Plains, and portions of the Hill Country
- Values range between 500 and 600 across the I-35 corridor
- Normal wildland fire activity is forecast through the month of September



Burn bans remain for 18 of our 33 counties as of September 4, 2024. Latest County Burn Ban map available [here](#).





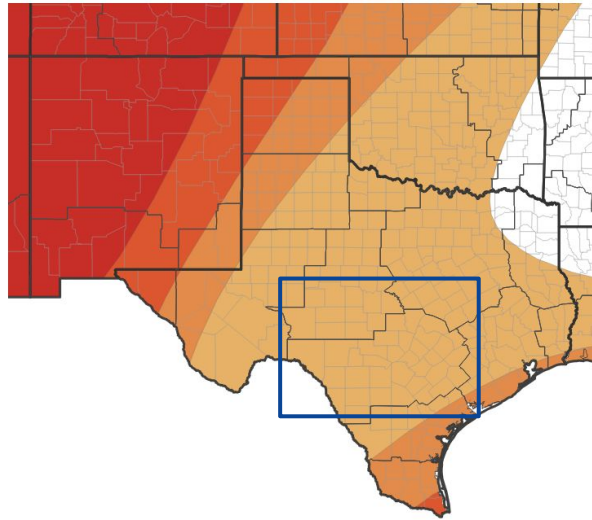


# Long-Range Outlooks

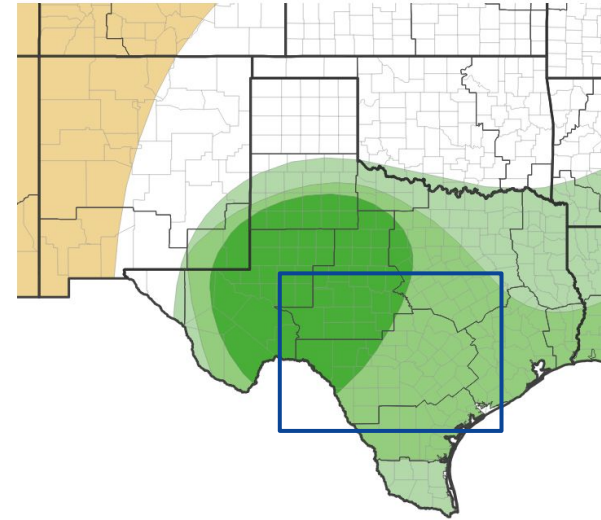
The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

- The temperature outlook for the month of September leans towards above normal for much of the service area
- The precipitation outlook leans towards above normal rainfall for all of the service area
  - Chances are higher for portions of the Rio Grande and southern Edwards Plateau

Monthly Temperature Outlook for September 1, 2024-September 30, 2024



Monthly Precipitation Outlook for September 1, 2024-September 30, 2024



Probability of Below-Normal Temperatures



Probability of Above-Normal Temperatures



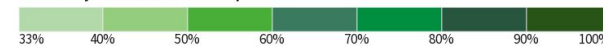
Probability of Near-Normal Temperatures



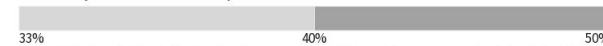
Probability of Below-Normal Precipitation



Probability of Above-Normal Precipitation



Probability of Near-Normal Precipitation



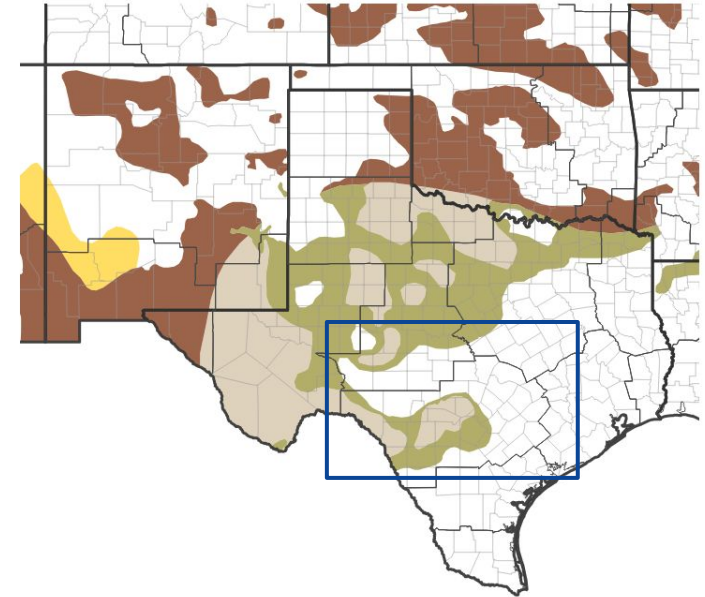


# Drought Outlook

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

- The monthly drought outlook for September shows chances of drought improvement or ended for portions of the I-35 corridor, Rio Grande Plains, Hill Country, and southern Edwards Plateau
- The three month outlook mirrors the monthly outlook showing drought improvement through November

1-Month Drought Outlook for September 1, 2024–September 30, 2024



Drought Is Predicted To...



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

Last Updated: 08/31/24

Links to the latest:

[Climate Prediction Center Monthly Drought Outlook](#)

[Climate Prediction Center Seasonal Drought Outlook](#)



National Oceanic and Atmospheric Administration

U.S. Department of Commerce

National Weather Service  
Austin/San Antonio, TX