



March 2025 Monthly Hydrologic and Flood Stage Report (E5/E3)

NWS Austin/San Antonio, TX

Prepared by: Chris Morris

April 10, 2024



An X inside this box indicates that no flooding occurred within this hydrologic service area.



National Oceanic and
Atmospheric Administration

U.S. Department of Commerce



Monthly Summary

Key Messages

- While the majority of the month of March saw below normal rainfall, a system brought enough rainfall to bring the monthly totals across the southern half from below to near or above normal
- Area streamflows and reservoir levels remain low
- The continued lack of appreciable area wide rainfall, drought conditions persisted or worsened for the service area
 - Exceptional Drought (D4) has spread across a sizable portion of the service area
- Precipitation outlooks for April brings some hope for drought relief as equal chances of above, below, or near normal rainfall across the entire service area





Monthly Summary

Recap: Late March Rainfall

A slow moving upper trough moved south of the forecast area March 26-28 to bring multiple rounds of rainfall to the area. The bulk of the rainfall occurred from the 26th into the early morning hours of the 27th.

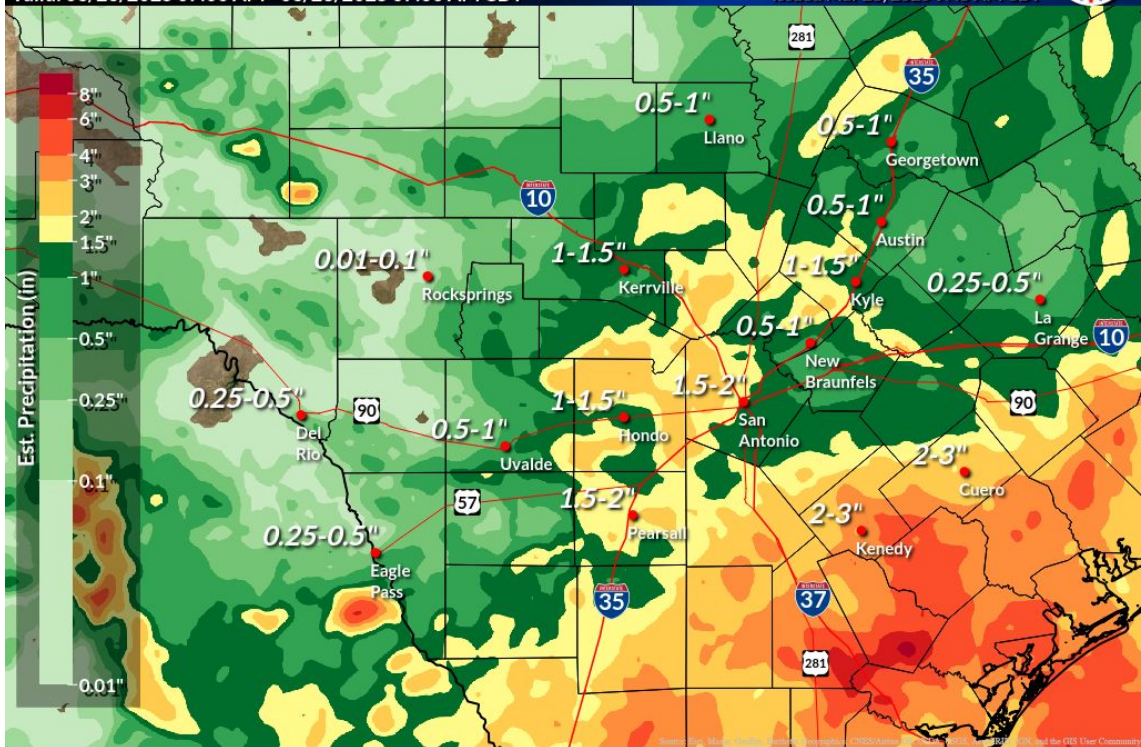
- With the initial low streamflow in area creeks and streams and the start of the growing season resulted in minimal rises.
- However, there was localized flooding issues especially for areas that saw the higher storm totals and urbanized areas.

2-Day Estimated Rainfall

Valid: 03/26/2025 07:00 AM - 03/28/2025 07:00 AM CDT

Weather Forecast Office
Austin/San Antonio, TX

Issued Mar 28, 2025 9:45 AM CDT



NWSSanAntonio

weather.gov/ewx



National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Austin/San Antonio, TX



Hydrologic Products Issued for the Month

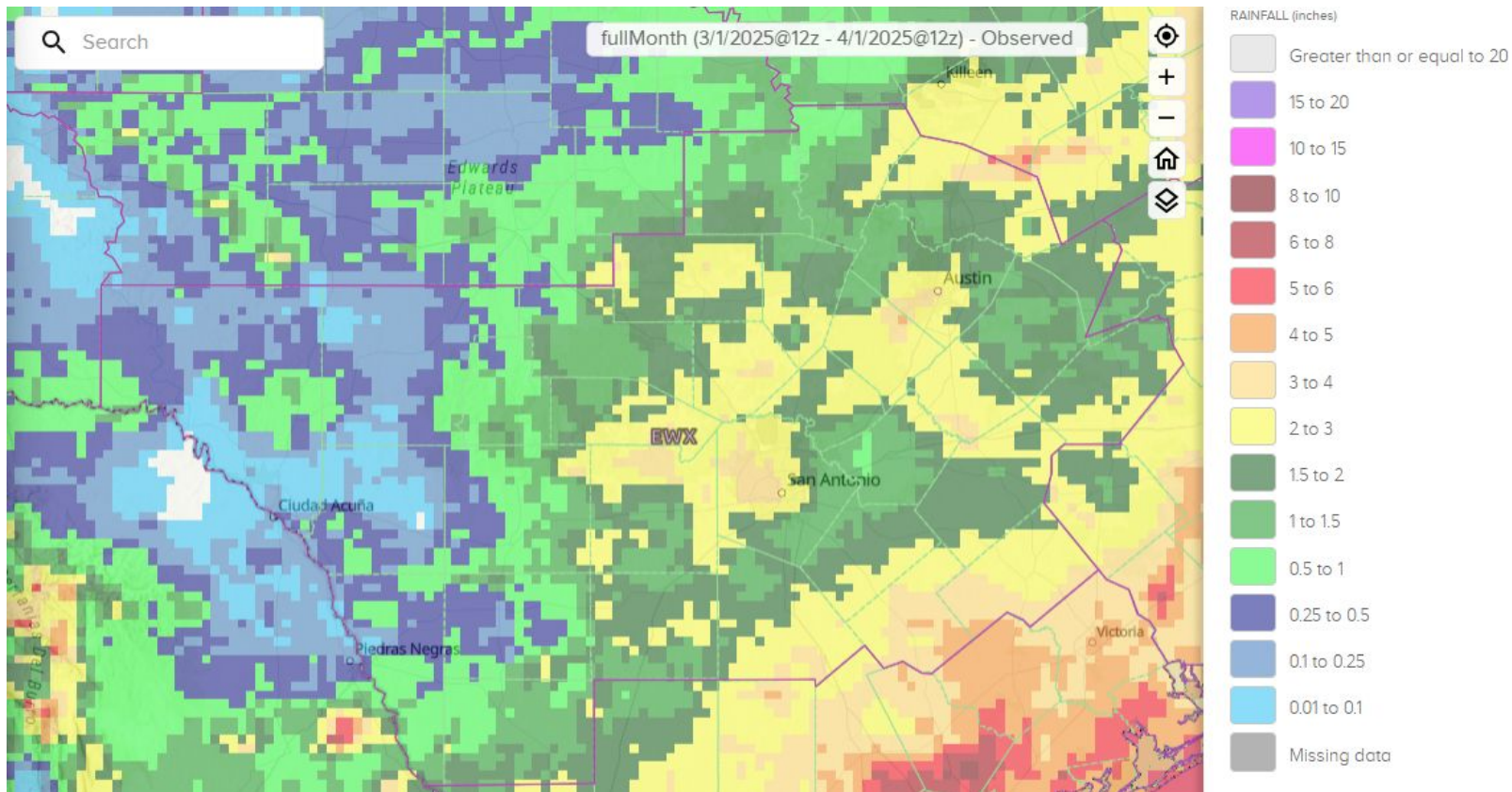
Product Issued	Number Issued	Additional Comments
Flood Warning (FLW)	0	
Flood Advisory (FLS)	1	Issued for urbanized areas
Flood Watch (FFA)	1	
Flash Flood Warning (FFW)	0	
Flash Flood Statement (FFS)	0	
Hydrologic Outlook (ESF)	0	NWPS probabilistic forecasts automatically posted for the Brazos, Colorado, Guadalupe, San Antonio, Pecos, and Nueces Rivers.





Monthly Rainfall

Observed Rainfall (Inches)



National Oceanic and
Atmospheric Administration

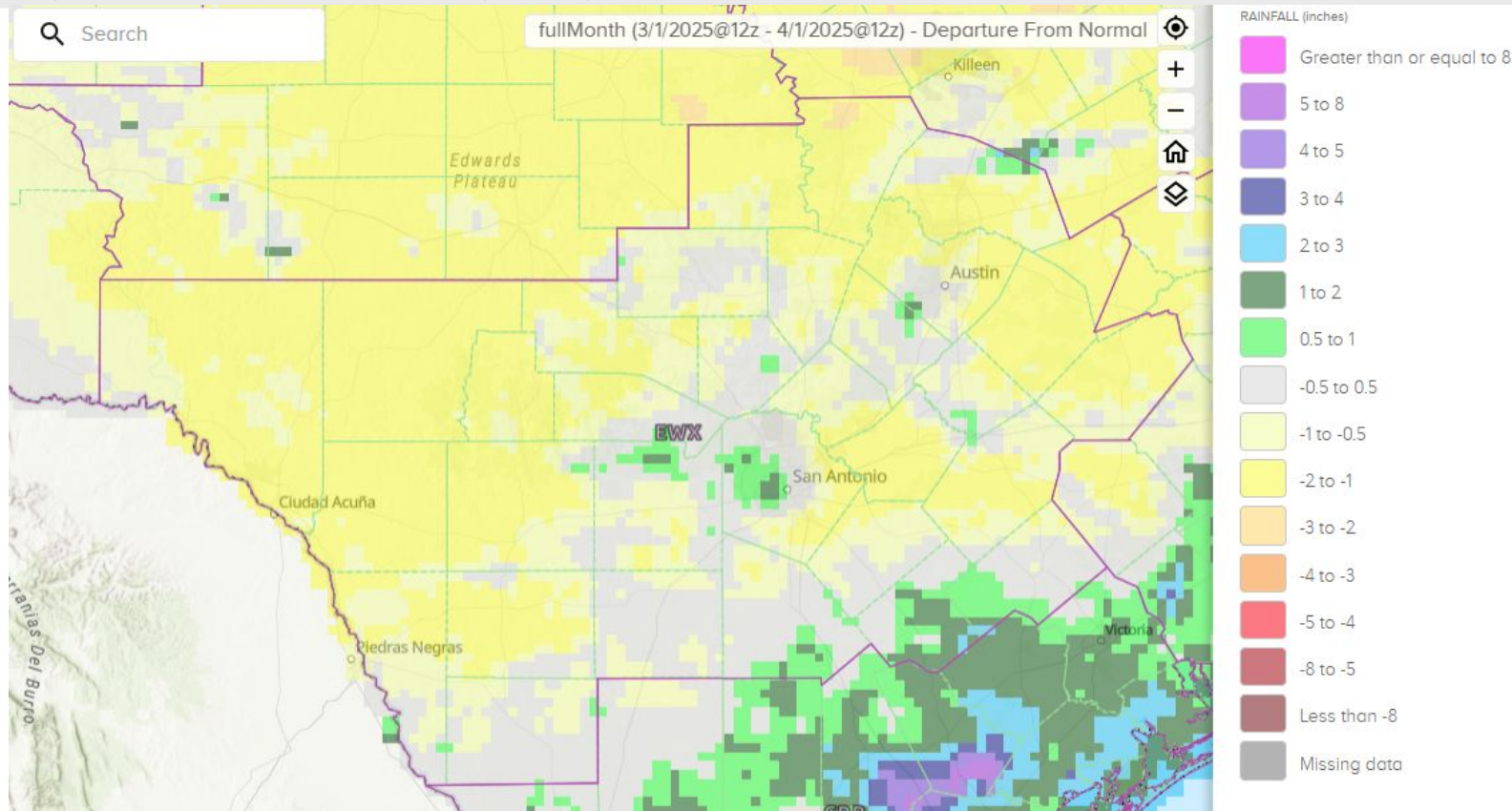
U.S. Department of Commerce

National Weather Service
Austin/San Antonio, TX



Monthly Rainfall

Departure from Normal Rainfall (Inches)



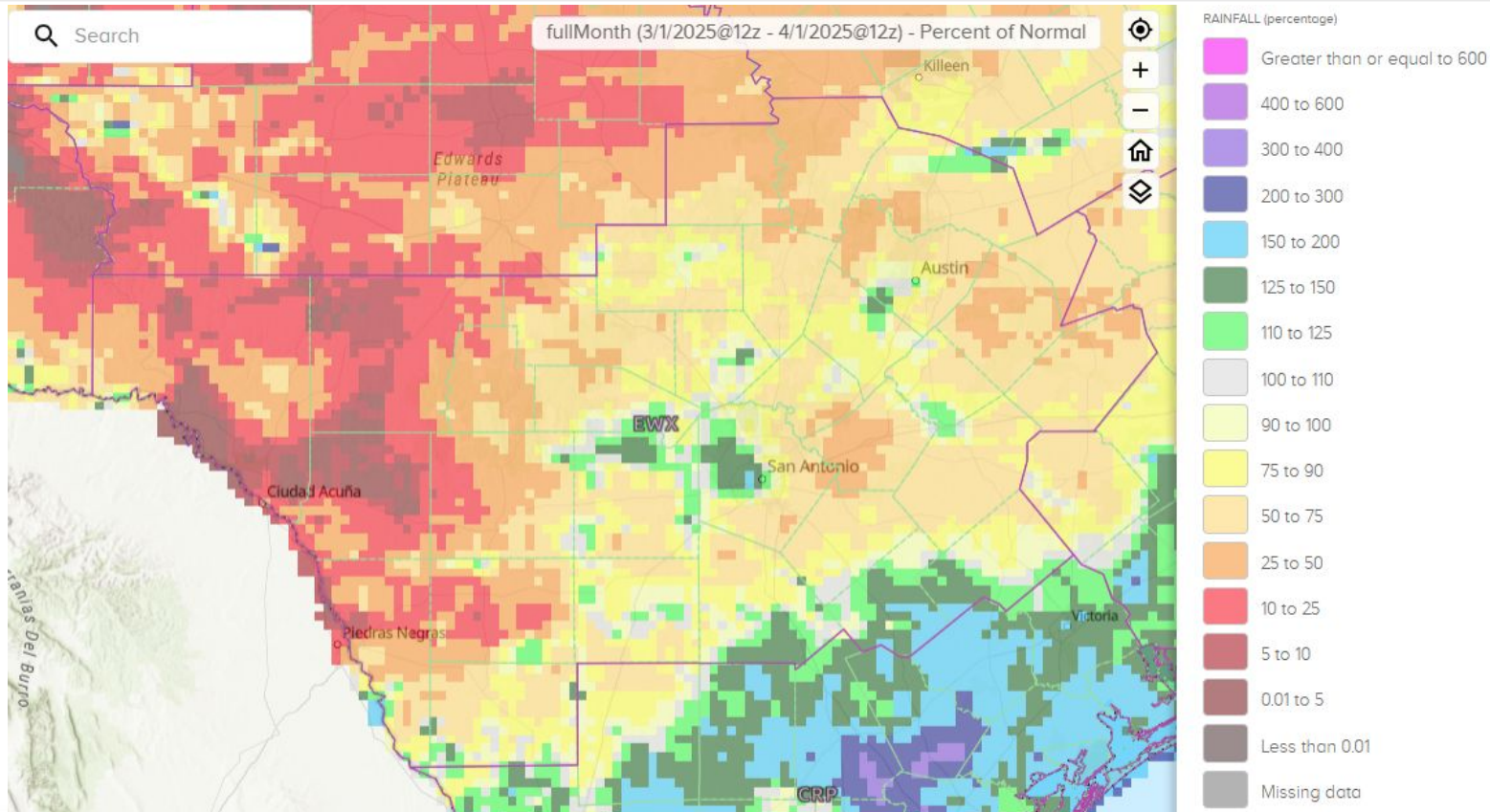
National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Austin/San Antonio, TX



Monthly Rainfall

Percent of Normal Rainfall (%)



National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Austin/San Antonio, TX



Climate Station Rainfall Data For the Month

Austin/San Antonio Area

	Monthly Rainfall	Monthly Average	2025 Rainfall Through Month	1991-2020 Normal Through Month	2025 Percent of Normal
Austin – Bergstrom	1.46"	2.90"	7.10"	7.61"	93%
Austin – Mabry	1.83"	2.88"	5.46"	7.41"	74%
Del Rio	0.17"	1.18"	0.44"	2.42"	19%
San Antonio	1.99"	2.31"	3.70"	6.01"	62%

*The monthly averages and normal values are for the period 1991-2020





Climate Station Rainfall Data For the Month

Nearby Offices:

	Monthly Rainfall	Monthly Average	2025 Rainfall Through Month	1991-2020 Normal Through Month	2025 Percent of Normal
College Station	1.10"	3.41"	5.70"	9.74"	59%
Corpus Christi	2.96"	2.28"	4.72"	4.96"	95%
Laredo	1.37"	1.60"	1.95"	3.33"	59%
San Angelo	0.12"	1.48"	1.11"	3.60"	31%
Victoria	0.79"	2.99"	4.35"	7.62"	57%
Waco	3.98"	3.31"	7.67"	8.58"	89%

*The monthly averages and normal values are for the period 1991-2020



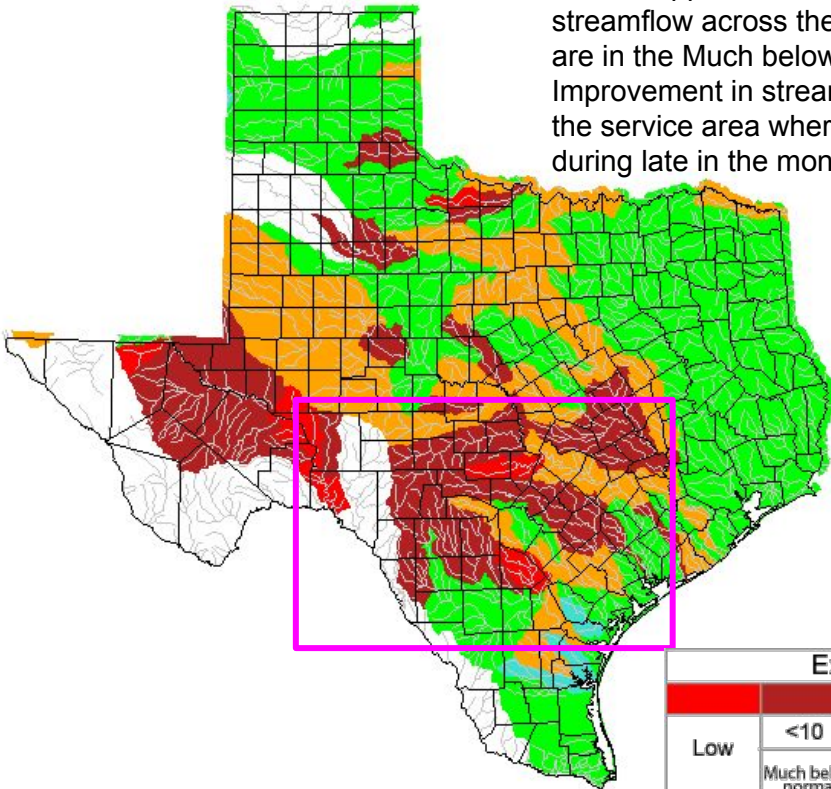


Monthly Historical Streamflow Comparison

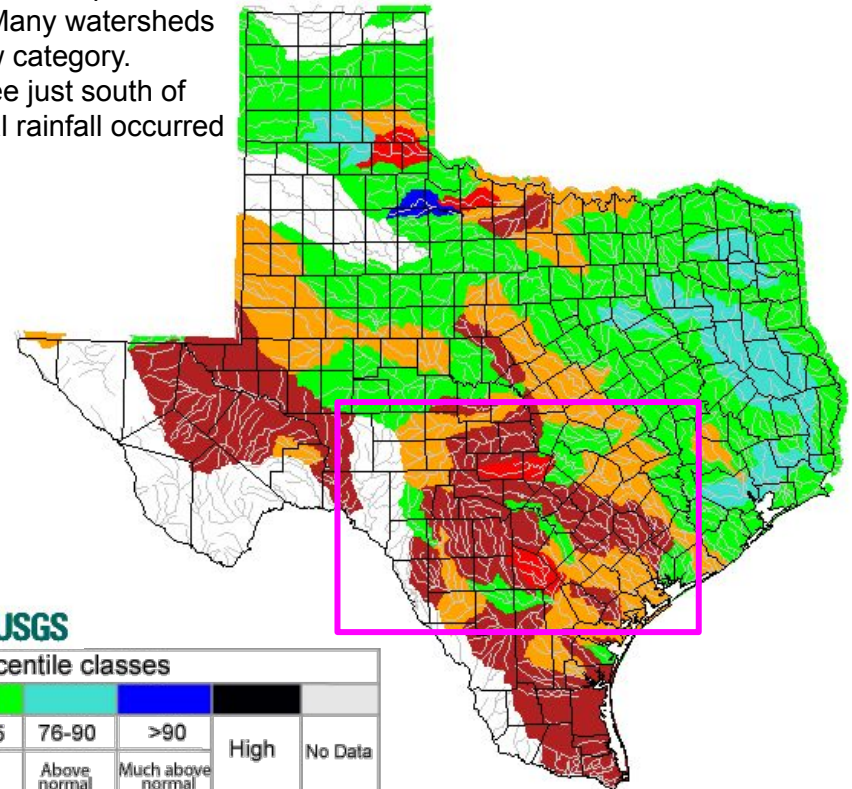
Streamflow Comparison

March 2025

Lack of appreciable rainfall resulted in a drop in streamflow across the service area. Many watersheds are in the Much below normal to Low category. Improvement in streamflows were seen just south of the service area where above normal rainfall occurred during late in the month.



February 2025



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		



National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Austin/San Antonio, TX



Reservoir Data For the Month

Data from the TWDB [Water Data For Texas Dashboard](#)

Reservoir	Conservation Elevation (feet)	End of Month Elevation (feet)	Monthly Change (Feet)
Lake Buchanan	1020	1000.50	-1.26
Lake Travis	681	636.30	-0.72
Canyon Lake	909	878.67 New record low	-0.63
Medina Lake	1064.2	970.29	-0.63
Lake Amistad	1117	1050.78	-0.39





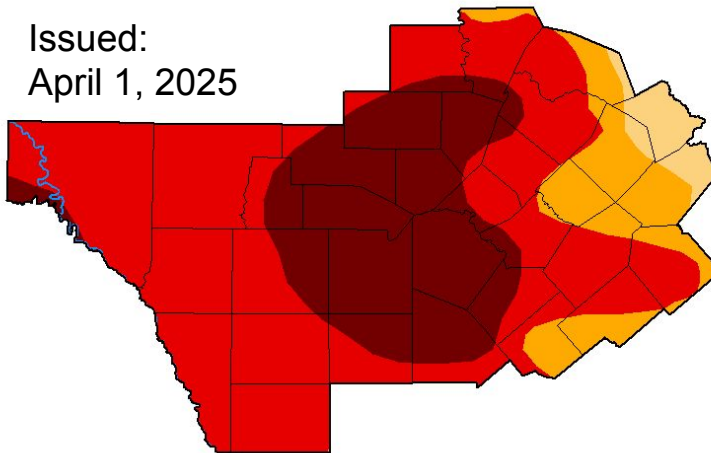
Drought Conditions

Monthly Drought Monitor Comparison

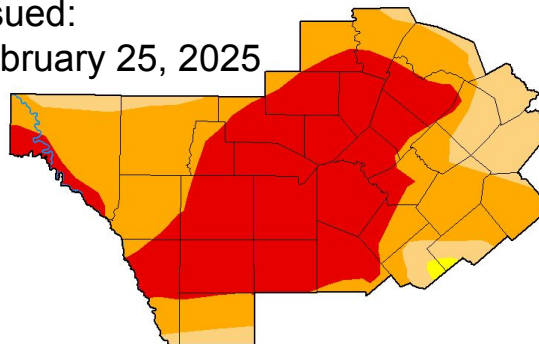
Prolonged rainfall deficits and warm breezy days during the month of March resulted in drought conditions worsening during the month. Exceptional Drought (D4) made it's return to the service area.

- D4 drought encompasses 29.58% of the CWA
- D3 drought encompasses 55.86% of the CWA
- D2 drought encompasses 11.19% of the CWA

Issued:
April 1, 2025



Issued:
February 25, 2025



April 1, 2025

(Released Thursday, Apr. 3, 2025)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	0.00	0.00	3.37	11.19	55.86	29.58
Last Week 03-25-2025	0.00	0.00	3.29	12.99	54.15	29.58
3 Months Ago 12-31-2024	0.00	0.00	50.65	31.29	18.06	0.00
Start of Calendar Year 01-07-2025	0.00	1.57	42.72	37.65	18.06	0.00
Start of Water Year 10-01-2024	9.75	56.59	28.92	4.42	0.33	0.00
One Year Ago 04-02-2024	21.90	19.03	32.44	19.46	7.18	0.00

Intensity:

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



National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Austin/San Antonio, TX



One Month Outlook

The Monthly Outlook for February

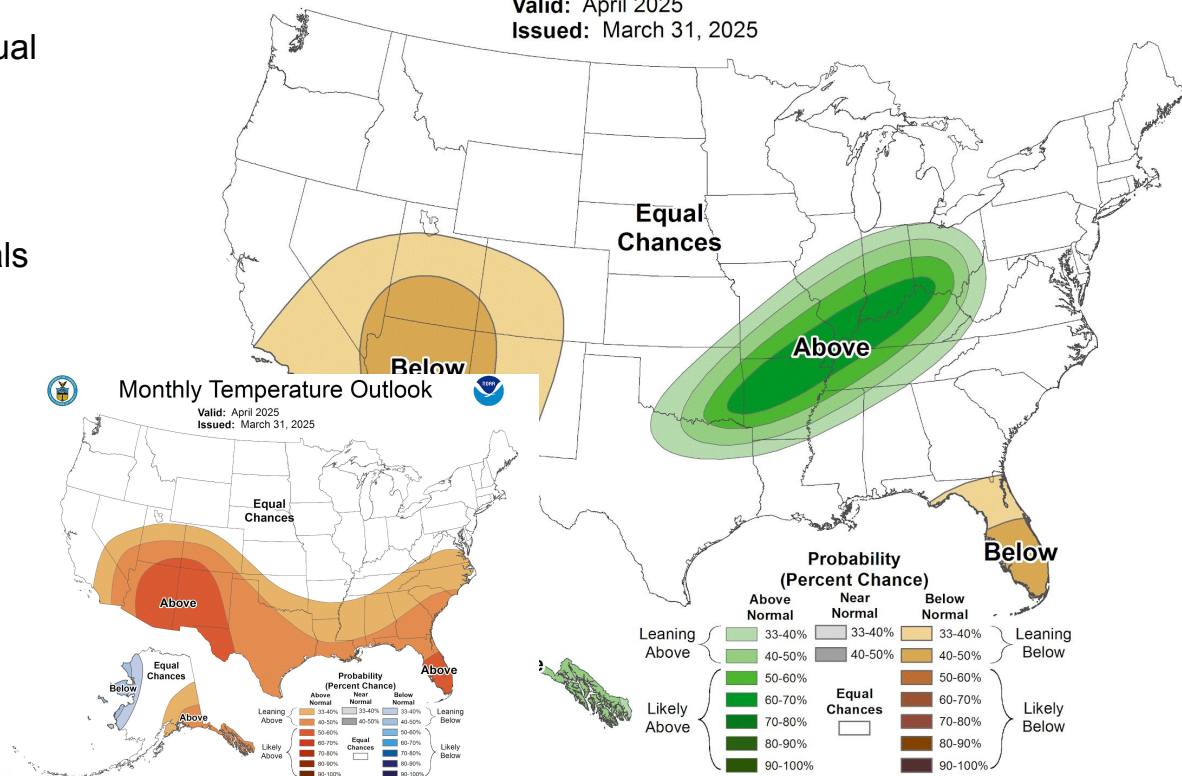
- The Precipitation Outlook shows equal chances for below, above, or near normal rainfall for the month of April across the service area
- The Temperature Outlook also signals above normal temperatures for the entire service area

[Click for latest graphics](#)



Monthly Precipitation Outlook

Valid: April 2025
Issued: March 31, 2025



National Oceanic and
Atmospheric Administration

U.S. Department of Commerce

National Weather Service
Austin/San Antonio, TX



Three Month Outlook

Looking at the Seasonal Outlook

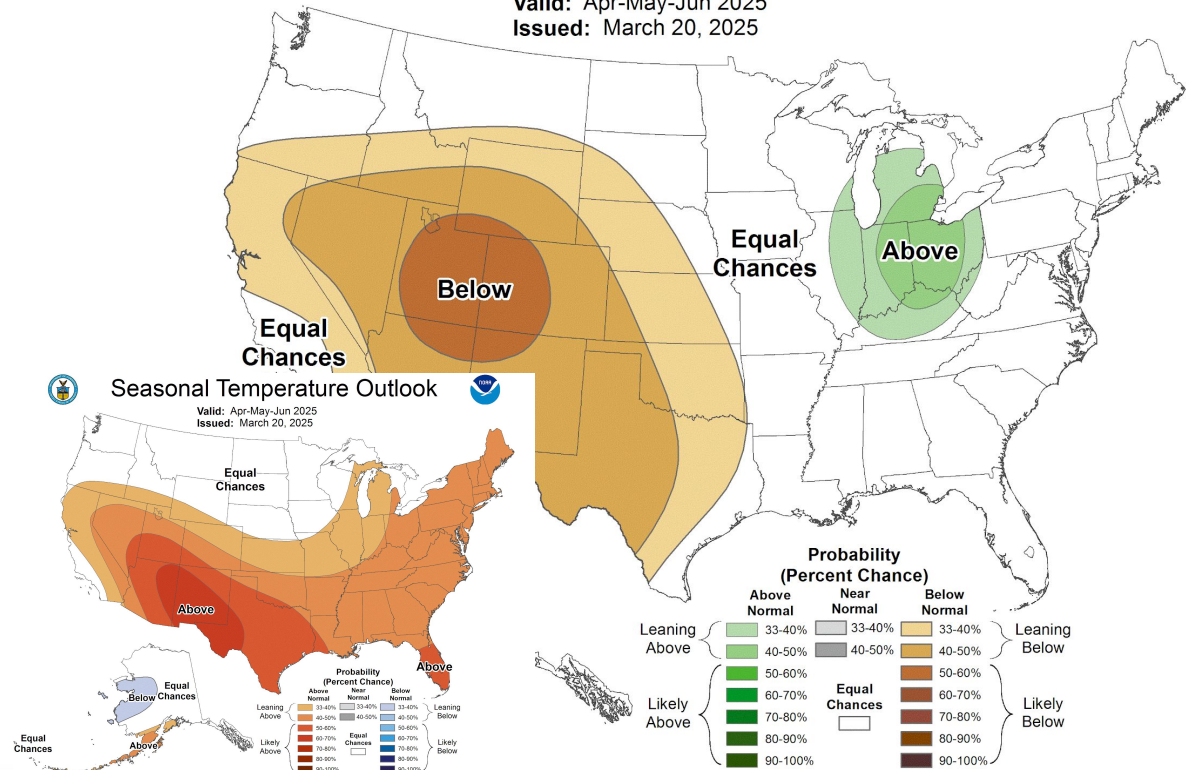
- The Precipitation Outlook for the Spring season leans towards below normal precipitation for much of the entire service area
 - The Coastal Plains is shown to have equal chances of at, below, or near normal precipitation
- Temperature Outlook for the Spring season shows a strong signal for above normal temperatures across the service area

[Click for latest graphics](#)



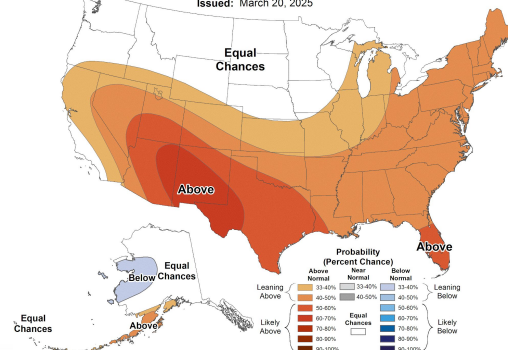
Seasonal Precipitation Outlook

Valid: Apr-May-Jun 2025
Issued: March 20, 2025



Seasonal Temperature Outlook

Valid: Apr-May-Jun 2025
Issued: March 20, 2025



National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Austin/San Antonio, TX



For additional rainfall, stream, soil moisture, or drought information please refer to the links provided below.

Daily, Monthly and Yearly summaries of precipitation and departure from normal are available from the West Gulf River Forecast Center at: <http://www.weather.gov/wgrfc/>

Or from the Precipitation Analysis page at: <https://water.noaa.gov/precip>

Streamflow conditions are available from the United States Geological survey at:
<http://waterdata.usgs.gov/tx/nwis/rt>

Soil moisture conditions are available from the Climate Prediction Center at:
http://www.cpc.ncep.noaa.gov/products/Soilmst_Monitoring/US/Soilmst/Soilmst.shtml

National Integrated Drought Information System: <http://www.drought.gov/>

