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

NWS Austin/San Antonio, TX

Prepared by: Chris Morris

February 10, 2024

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

Monthly Summary

Key Messages

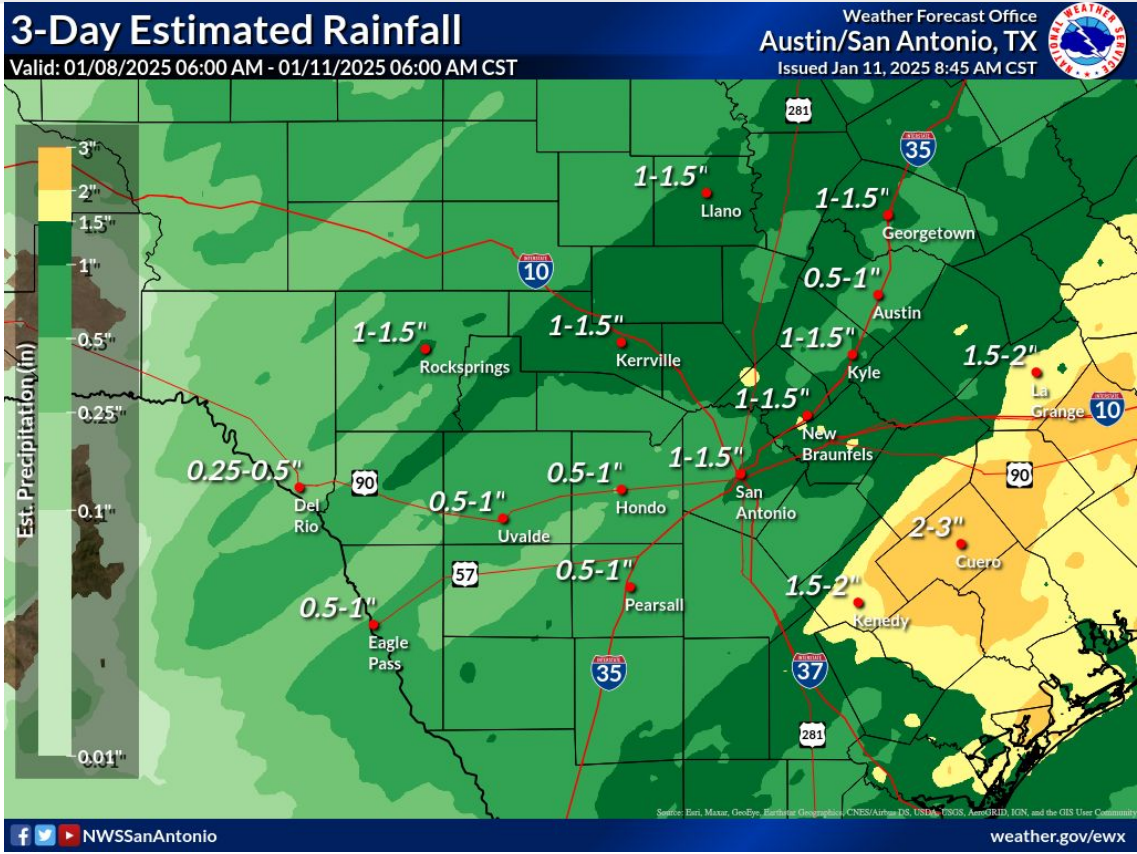
- The majority of the service area saw below normal rainfall for the month of January, outside of the locations of highest rainfall
- A pair of systems brought the bulk of the observed monthly rainfall for the service area
- Monthly streamflow values continue to show below to much below for much of the service area compared to climatology
- Area reservoir either held steady state or declined
- Given the lack of rainfall, much of the service area saw drought conditions worsen and spread over the course of the month
    - The only exception was for portions of the Coastal Plains which saw 1 to 2 inches above monthly normals
- Precipitation outlooks for February and into Spring continue lean towards below normal amounts

Monthly Summary

Recap: Early January Rainfall

A coastal low coupled with an approach upper trough brought a prolonged round of precipitation across the service area from the 8th through the 10th. While much of the area saw between a 0.25 to 1.5 inches of rainfall, a swath of 2 to 3 inches of rainfall was seen across portions of the Coastal Plains.

- Runoff from this rainfall did not result in any forecast points reaching flood stage due to initial climatologically low streamflows.

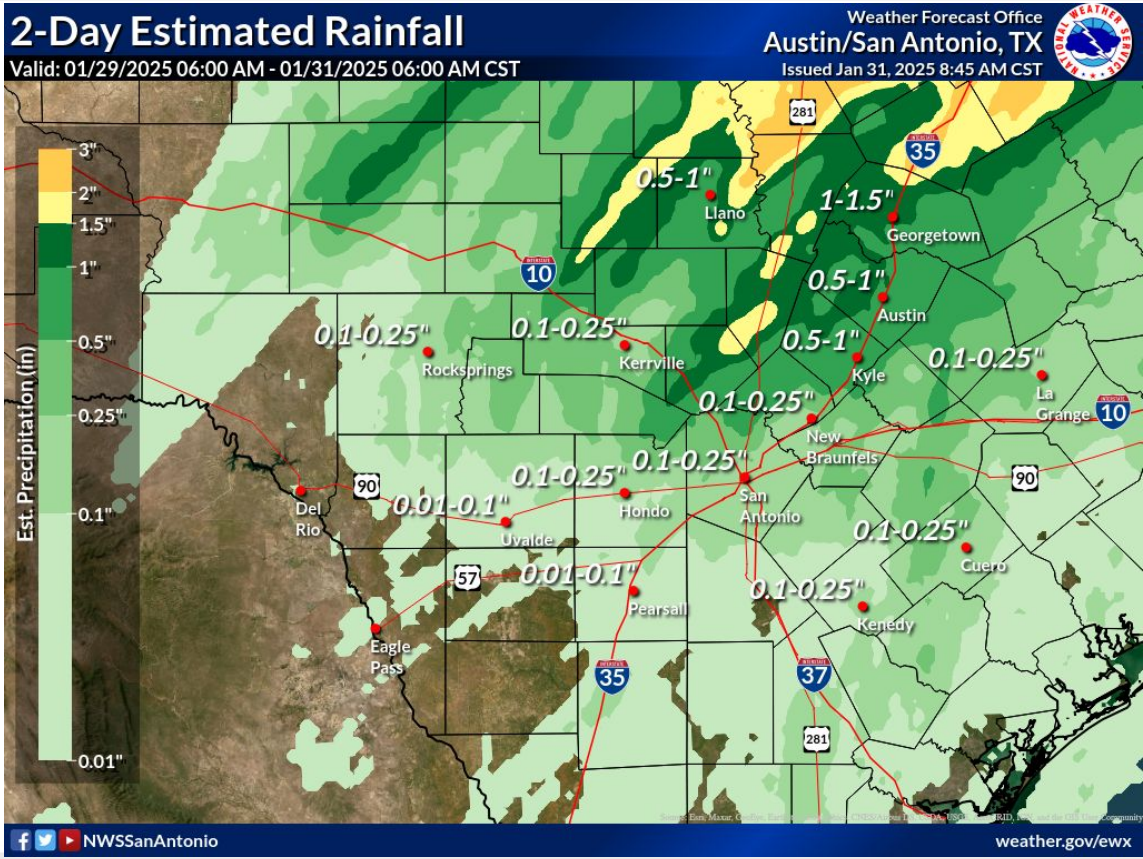


Monthly Summary

Recap: Late January Rainfall

A slow moving cold front brought a rainfall primarily for the northern I-35 corridor, and Hill Country from the 30th through the 31st. Much of the service area saw generally less than a half inch, but swaths of amounts up to 3 inches was observed in Llano and Burnet counties.

- The runoff from these storms did not result in flooding at any forecast point however, localized ponding was observed.

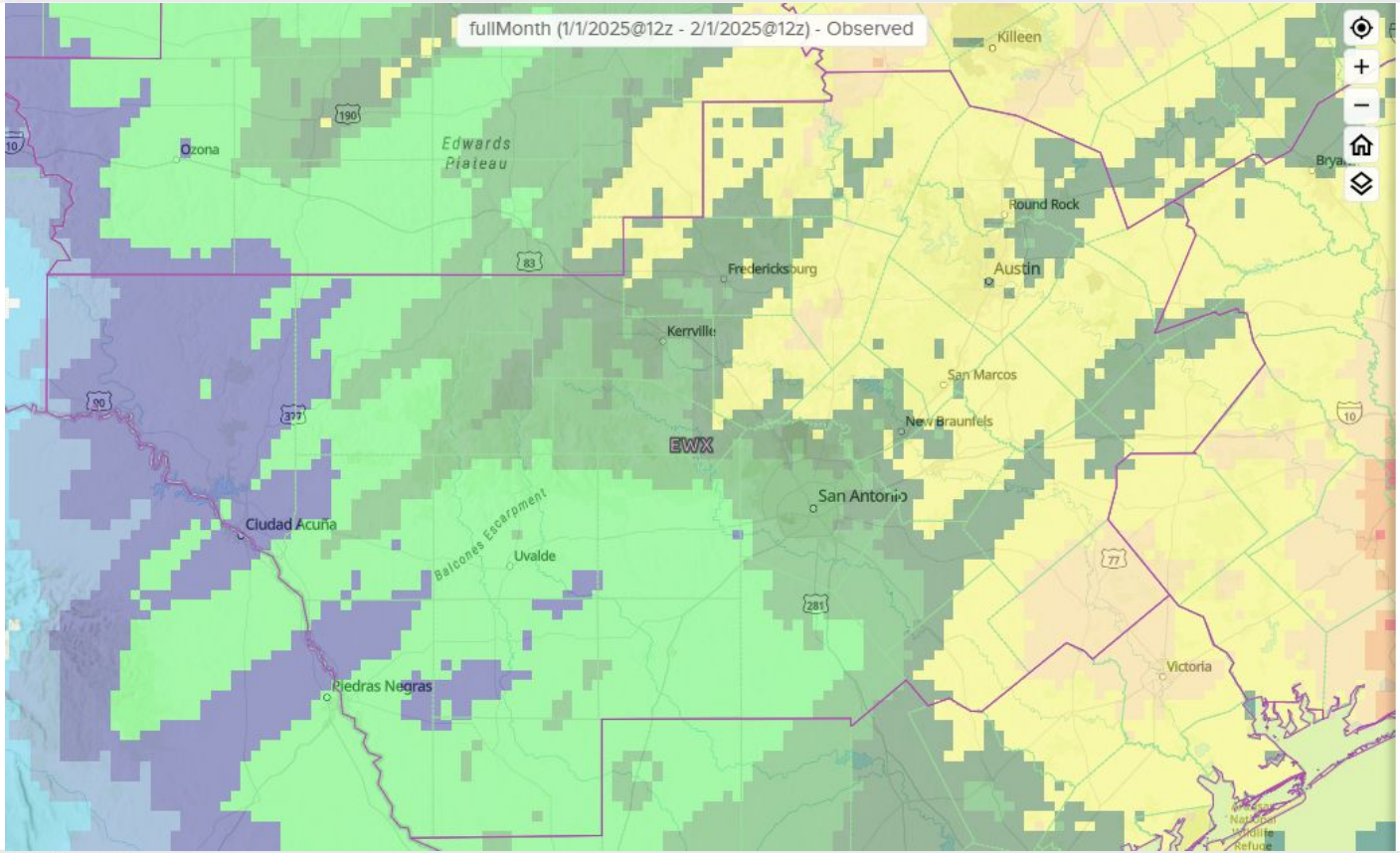


Hydrologic Products Issued for the Month

Product Issued	Number Issued	Additional Comments
River Flood Warning/Area Flood Warning (FLW)	0	
River Flood Statement/Area Flood Advisory (FLS)	0	
Flood Watch (FFA)	0	
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.

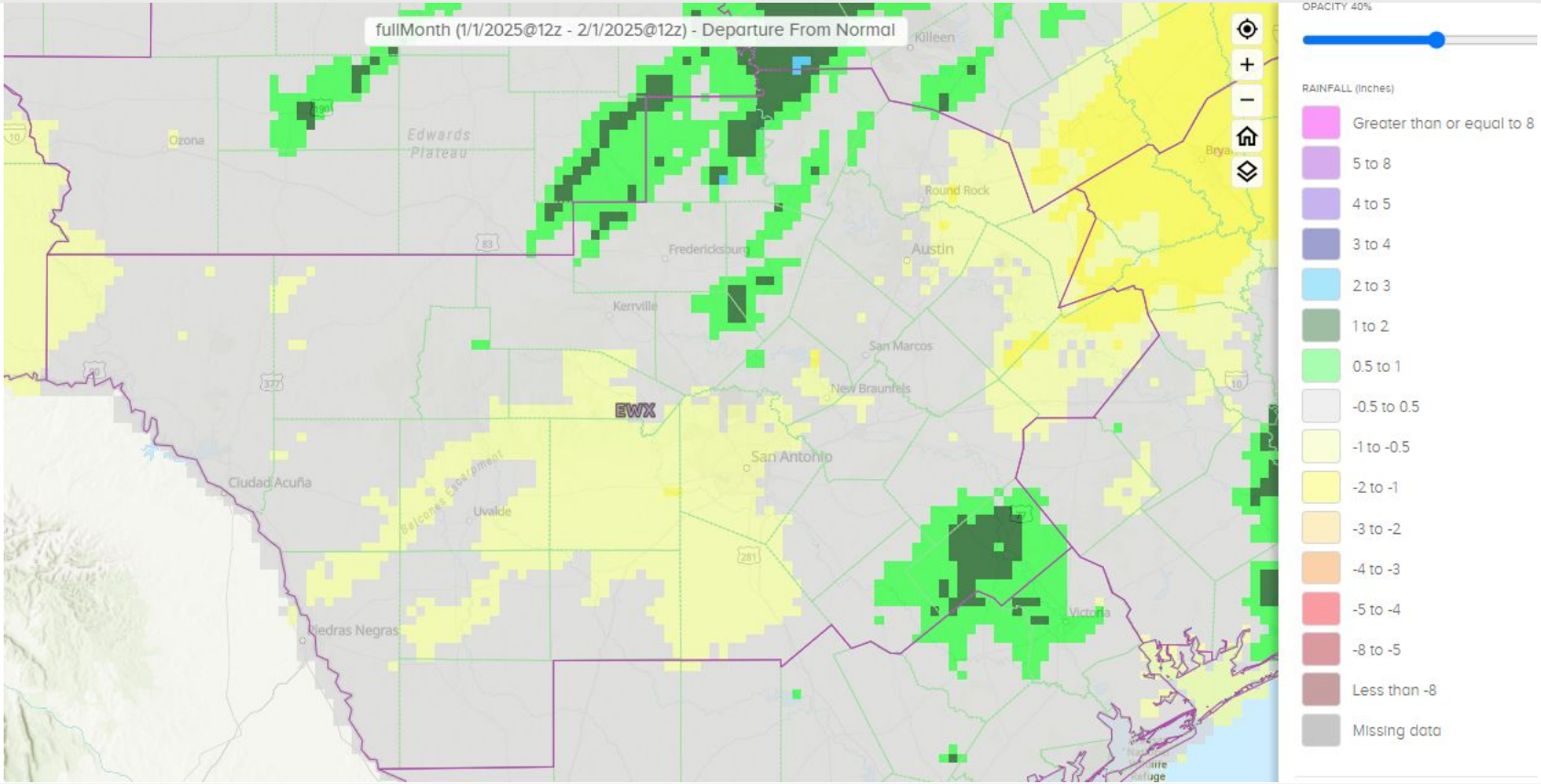
Monthly Rainfall

Observed Rainfall (Inches)



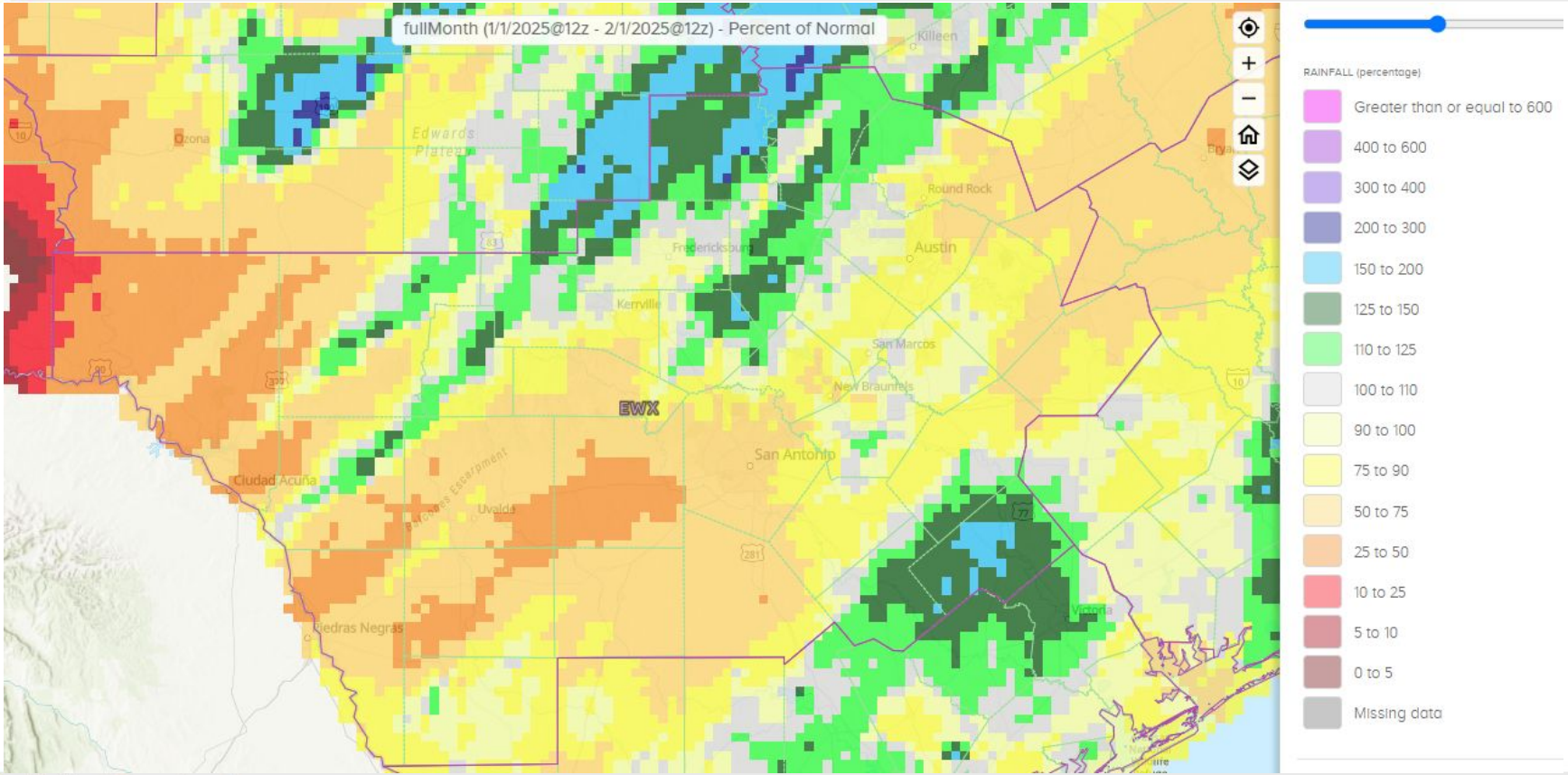
Monthly Rainfall

Departure from Normal Rainfall (Inches)



Monthly Rainfall

Percent of Normal Rainfall (%)



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	1.92”	2.82”	1.92”	2.82”	68%
Austin – Mabry	2.01”	2.64”	2.01”	2.64”	76%
Del Rio	0.26”	0.61”	0.26”	0.61”	43%
San Antonio	1.14”	1.96”	1.14”	1.96”	58%

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

Climate Station Rainfall Data For the Month

Nearby Offices:

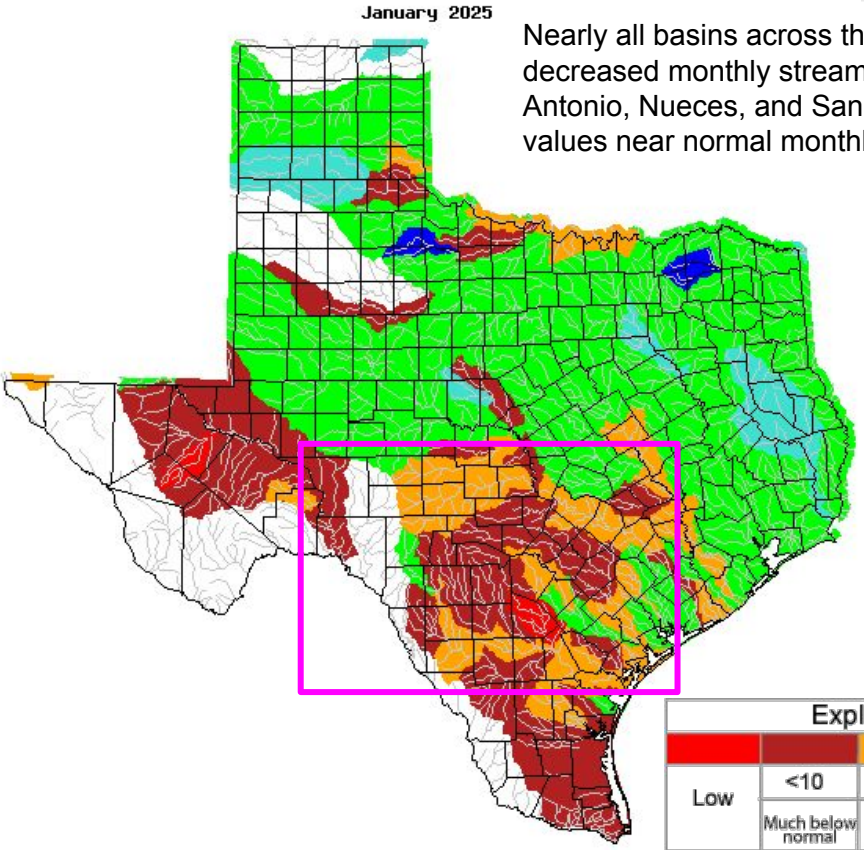
	Monthly Rainfall	Monthly Average	2025 Rainfall Through Month	1991-2020 Normal Through Month	2025 Percent of Normal
College Station	2.22”	3.43”	2.22”	3.43”	65%
Corpus Christi	1.73”	1.39”	1.73”	1.39”	124%
Laredo	0.56”	0.90”	0.56”	0.90”	62%
San Angelo	0.72”	0.92”	0.72”	0.92”	78%
Victoria	2.77”	2.67”	2.77”	2.67”	104%
Waco	2.68”	2.59”	2.68”	2.59”	103%

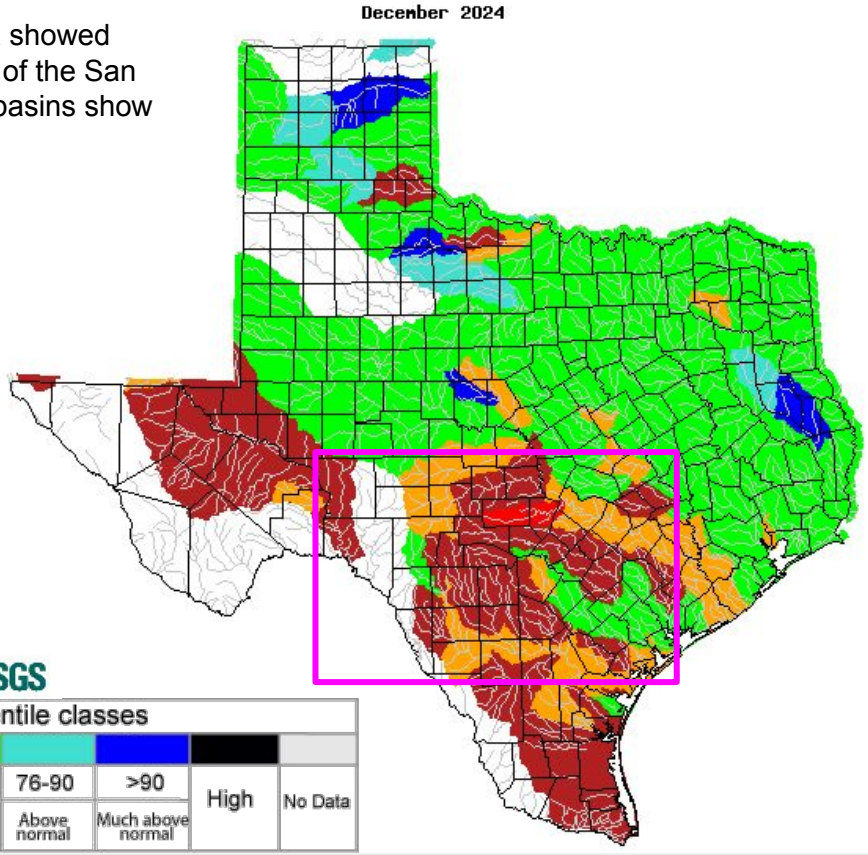
*The monthly averages and normal values are for the period 1991-2020

Monthly Historical Streamflow Comparison

Streamflow Comparison

Nearly all basins across the service area showed decreased monthly streamflow. Portions of the San Antonio, Nueces, and San Gabriel river basins show values near normal monthly streamflow.





USGS

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 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	1002.58	-0.82
Lake Travis	681	637.35	-0.63
Canyon Lake	909	879.94 New record low	-0.75
Medina Lake	1064.2	971.52	-0.61
Lake Amistad	1117	1051.19	0.00

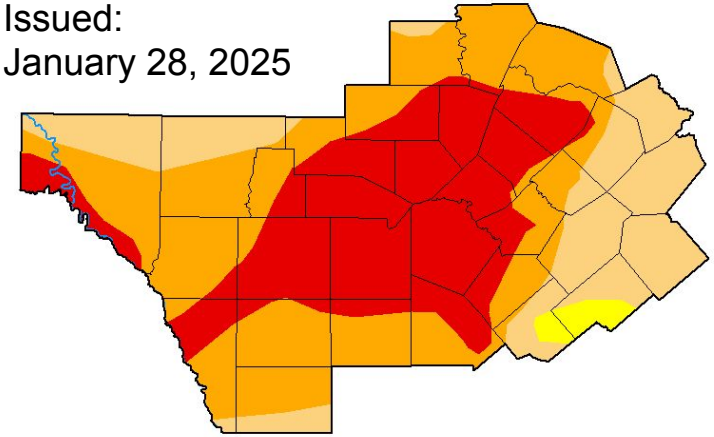
Drought Conditions

Monthly Drought Monitor Comparison

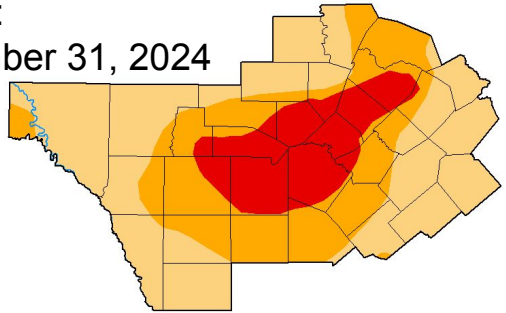
Outside of portions of the Hill Country and Coastal Plains, below or near normal rainfall for the month of January resulted in further expansion of drought conditions across the service area. Limited improvement was noted for a portion of the Coastal Plains that received above normal rainfall for the month.

- D3 drought expanded to encompass 35.24% of the CWA
- D2 drought expanded to encompass 40.25% of the CWA
- D1 drought expanded to encompass 1.57% of the CWA

Issued:
January 28, 2025



Issued:
December 31, 2024



January 28, 2025

(Released Thursday, Jan. 30, 2025)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	0.00	1.57	22.95	40.25	35.24	0.00
Last Week *01-21-2025*	0.00	1.57	23.48	51.76	23.19	0.00
3 Months Ago *10-29-2024*	0.00	3.55	39.03	39.36	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 *01-30-2024*	16.32	29.78	30.82	16.30	6.78	0.00

Intensity:

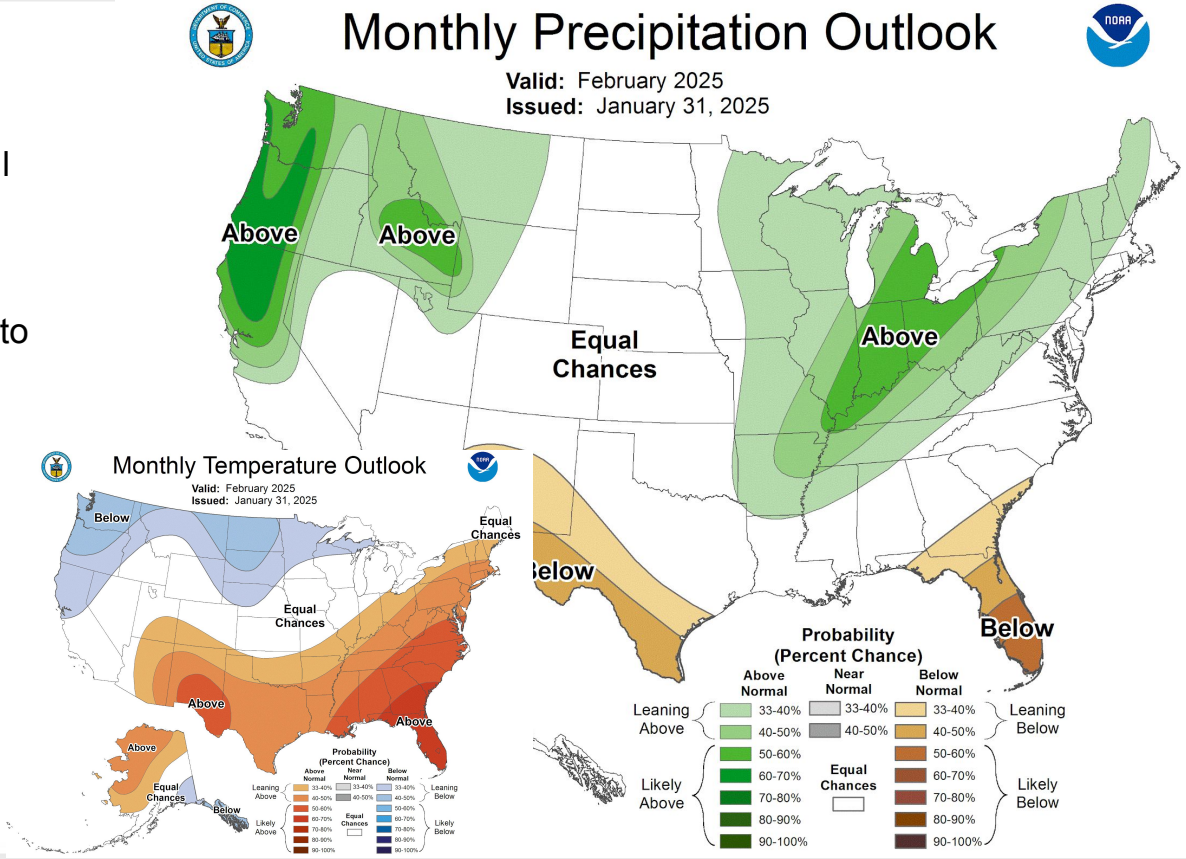
- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

One Month Outlook

The Monthly Outlook for February

- The Precipitation Outlook shows a leaning towards below normal rainfall for the month of February across the service area
- The Temperature Outlook continues to lean towards above normal temperatures for the entire service area

[Click for latest graphics]

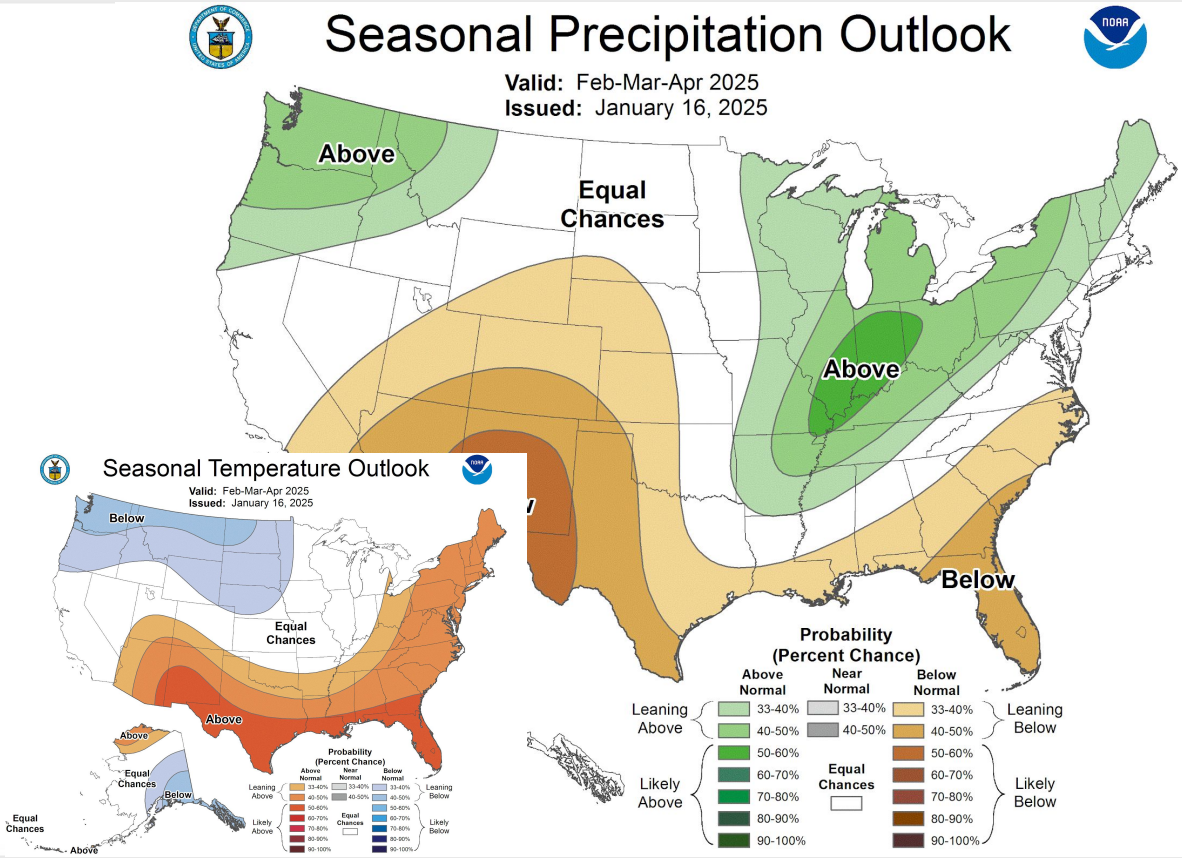


Three Month Outlook

Looking at the Seasonal Outlook

- The Precipitation Outlook into the Spring shows the likelihood of below normal precipitation for the entire service area
- Much like the monthly outlook, the Temperature Outlook into the Spring shows the likelihood for above normal temperatures across the service area

[Click for latest graphics]



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/