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

NWS Austin/San Antonio, TX

Prepared by: Chris Morris

June 2, 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

- Area streamflows and reservoir levels remain low, but did see minor improvements
- May thunderstorms brought near to above normal rainfall for much of the service area with some locations experiencing flooding and flash flooding
    - Year to date precipitation amounts jumped from well below to near normal values for both the climate stations in Austin and San Antonio
- Localized improvements in drought conditions were seen for areas that saw above normal precip with the lowest long term rainfall deficits
- The monthly outlook provides little direction as chances are equal for above, below, or near normal for the month of June
- The Seasonal outlook through the Summer has shown a trend of lower optimism as and June-July-August outlook has brought below normal chances to western portions of the service area

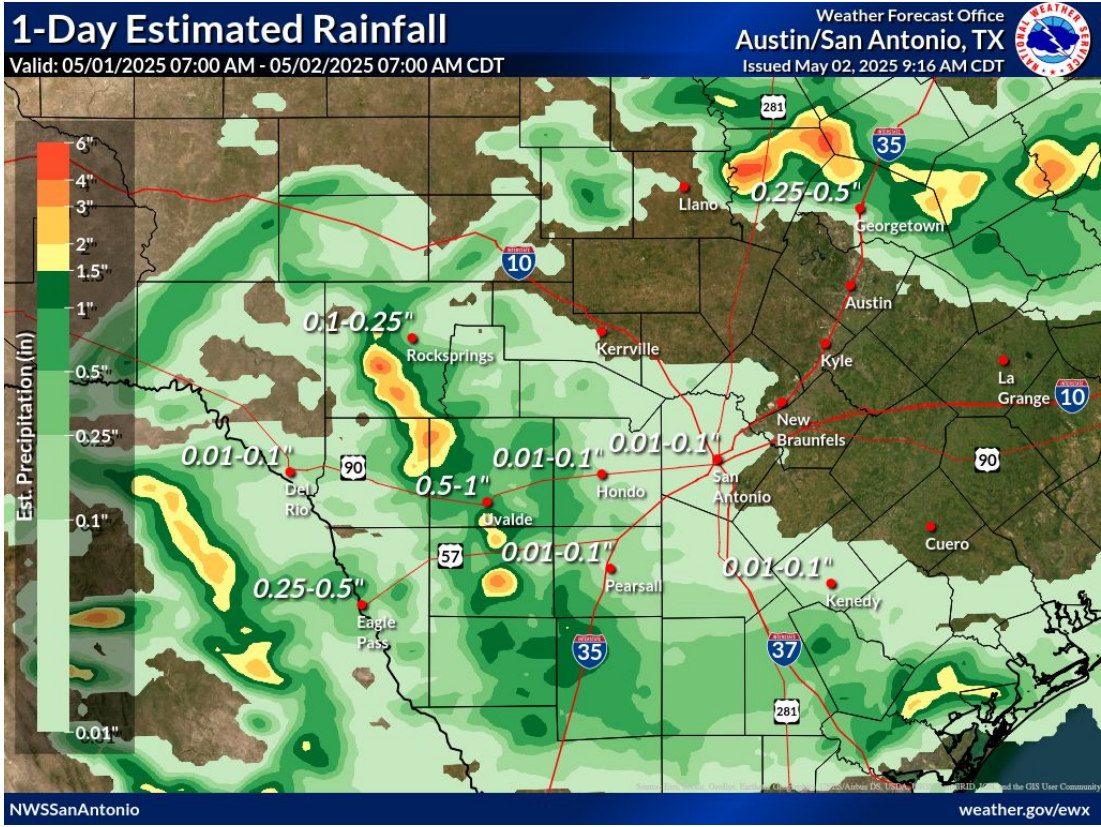
Monthly Summary

Recap: Early May Rainfall

Isolated storms produced locally heavy rainfall during the afternoon and evening hours of the 1st. A pair of storms became stationary over Burnet and Edwards Counties, producing heavy rainfall and large hail.

The storm over Burnet County produced between 5 and 6 inches of rainfall while the Edwards County storm produced 4 to 5 inches of rainfall.

- While this rainfall resulted in localized flood and flash flooding, no river forecast point rose to the minor flood stage.

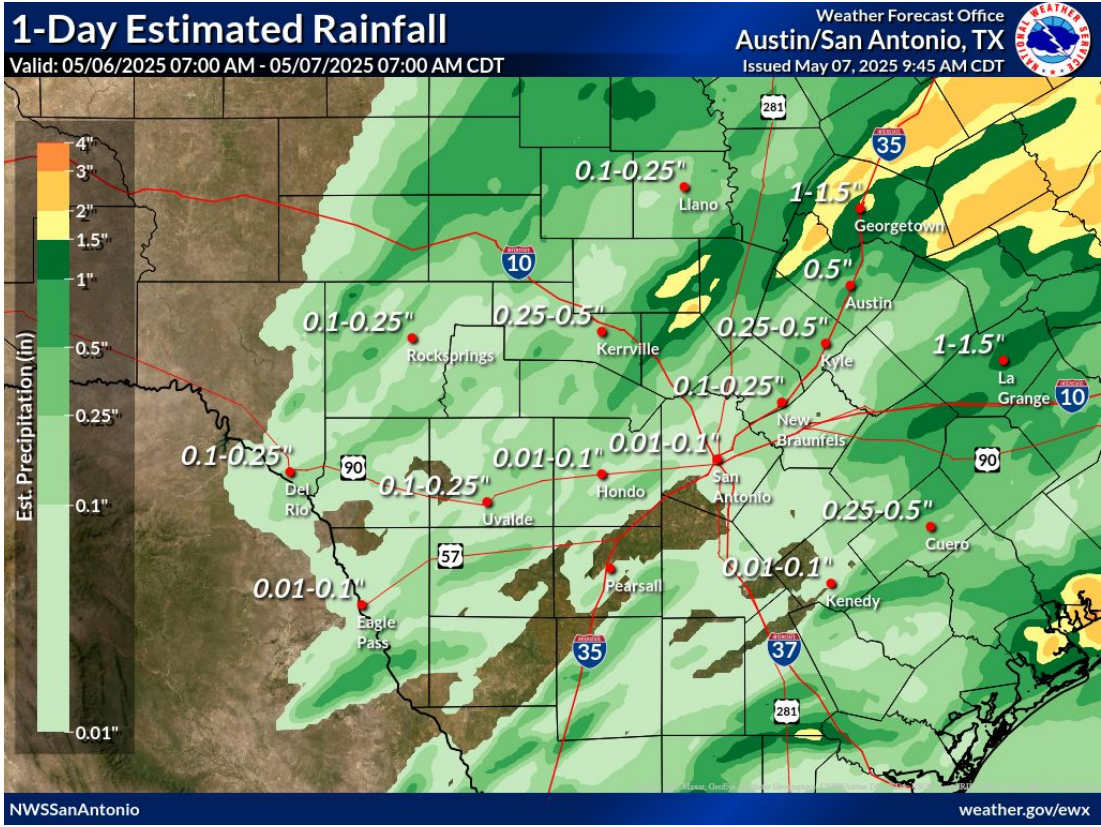


Monthly Summary

Recap: Early May Rainfall

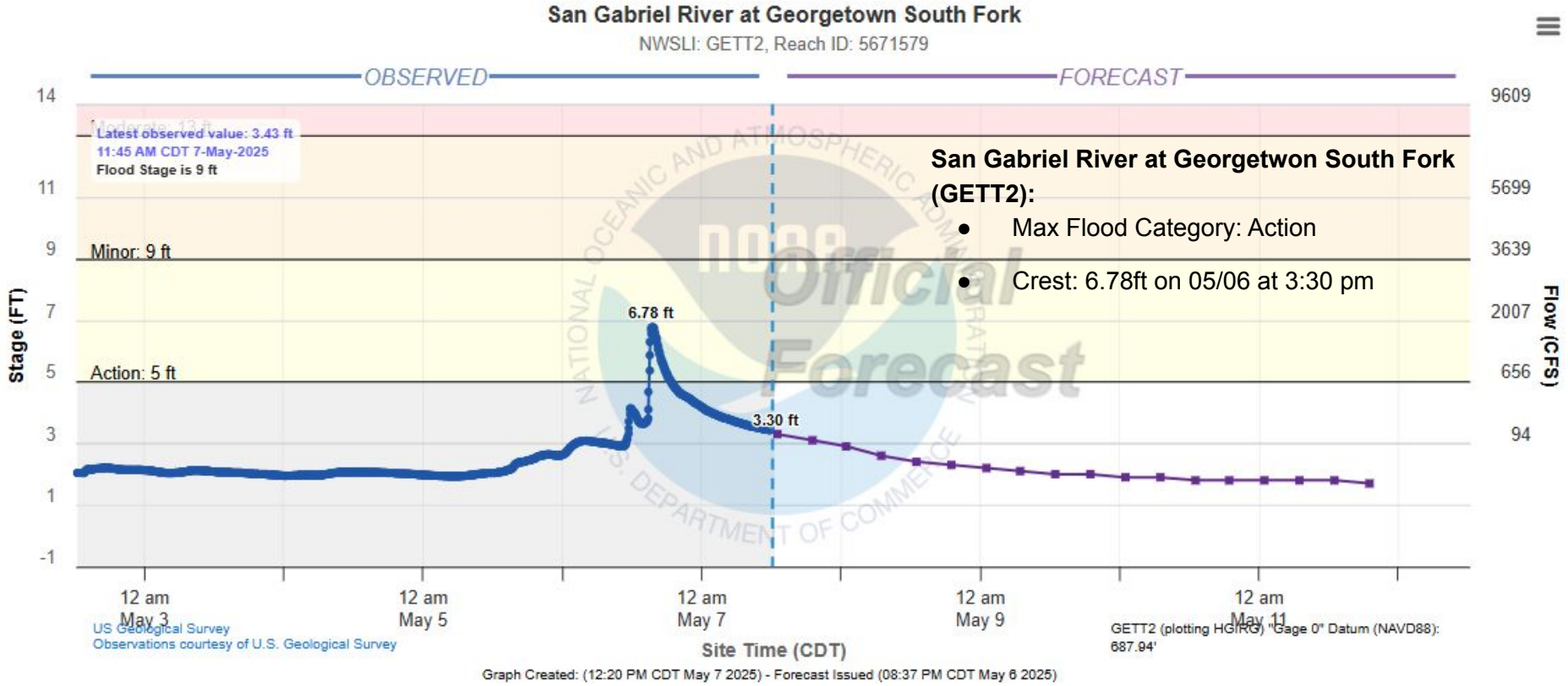
A cold front moved across the service area on the 6th. Along and ahead of this front saw thunderstorm developed and produced intense rainfall rates. Storm motions were along the front which resulted in multiple thunderstorms moving over the same area. Areal flooding and flash flood was observed especially across the northeast where storm total amounts ranged from 1 to 4 inches.

Despite the locally heavy rainfall, only one river forecast point reached action stage: the South Fork of the San Gabriel River at Georgetown.



Flood Stage Report (E3)

River Flood Summary (Forecast Points)



San Gabriel River at Georgetwon South Fork (GETT2):

- Max Flood Category: Action
- Crest: 6.78ft on 05/06 at 3:30 pm

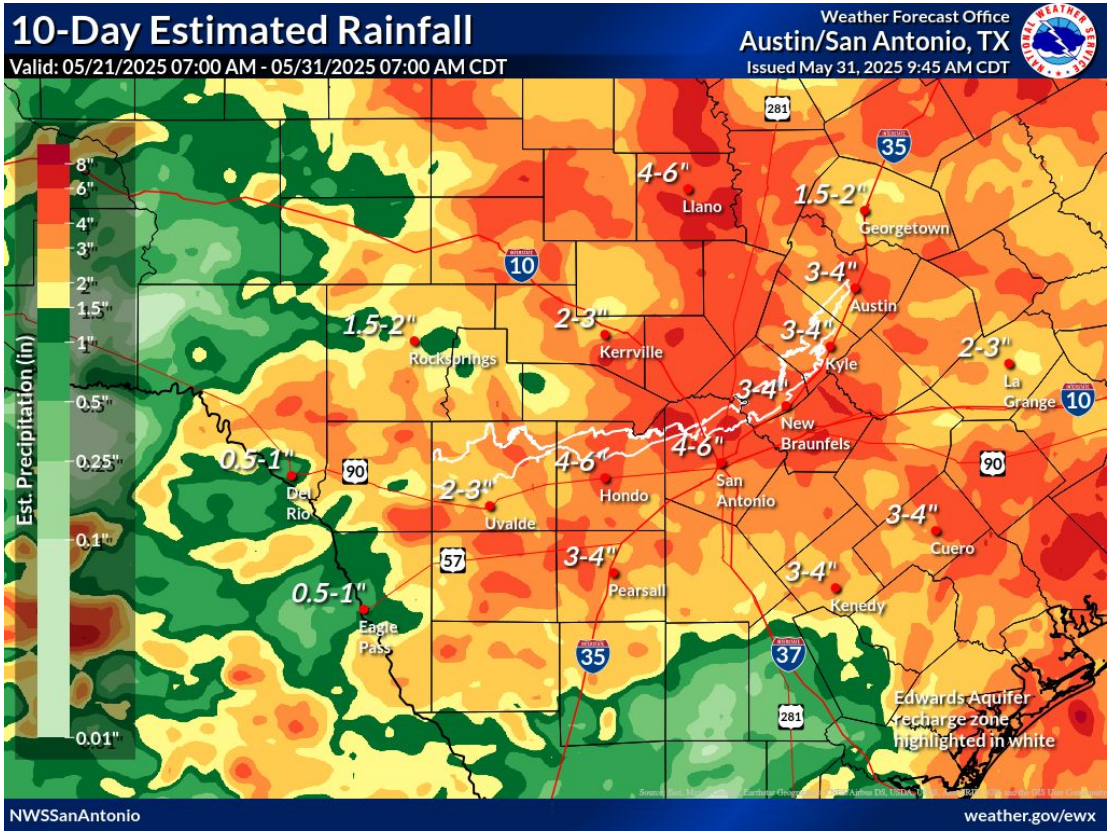
Monthly Summary

Recap: May 22nd through 28th Flooding

An unsettled pattern developed over the forecast area during the end of the month. This resulted in multiple rounds of thunderstorms which produced intense rainfall. Instances of flash flooding of both rural and urban areas was observed.

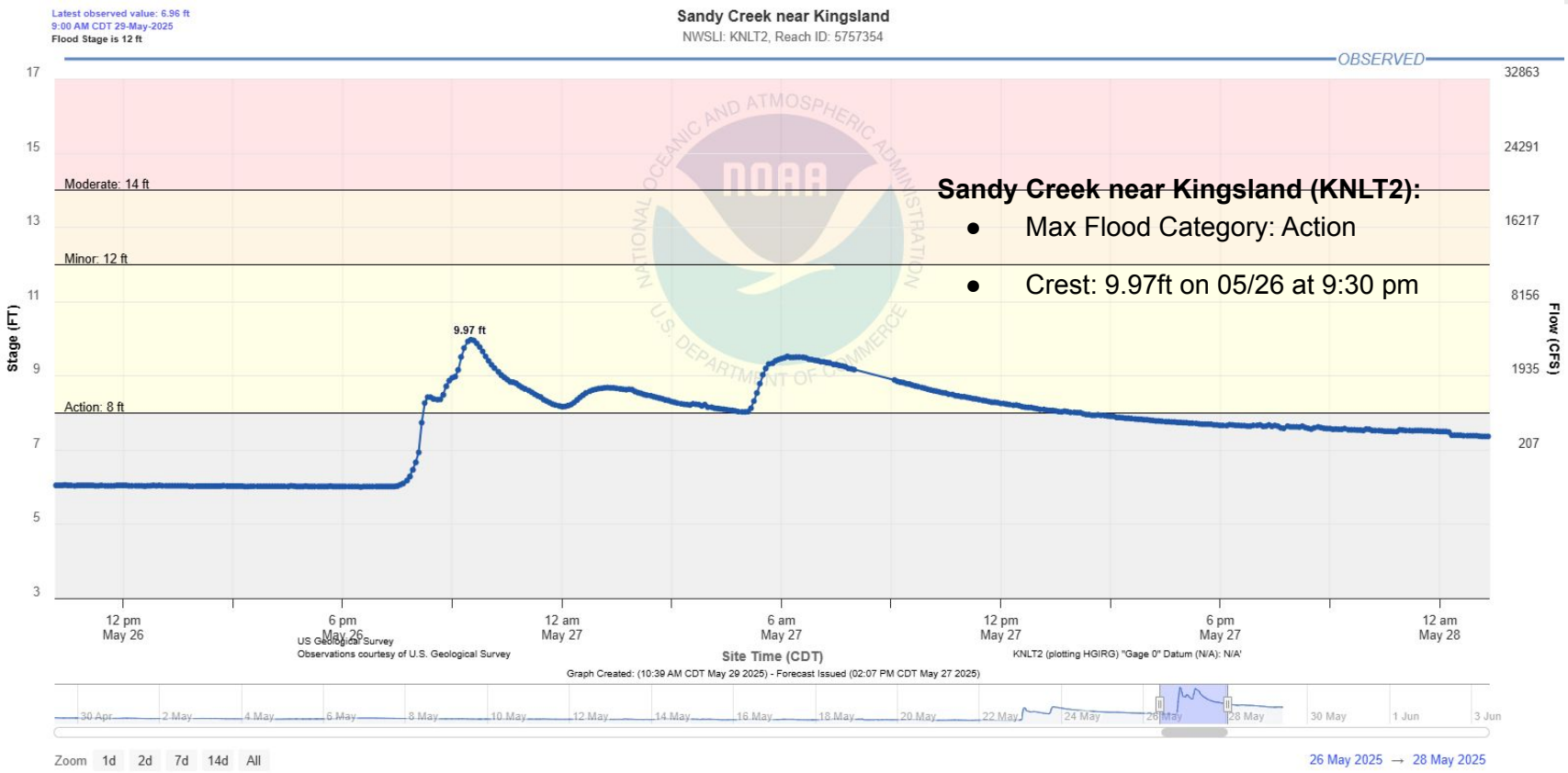
- Roughly 10 swift water rescues were performed in Austin, 10 in Marble Falls, and 30 in San Antonio
- One fatality was confirmed in the Austin area from the storms on the evening of the 28th.

Despite the periods of intense downpours, no forecast points reached minor flood; however a few non-forecast gauges did reach flood stages.



Flood Stage Report (E3)

River Flood Summary (Forecast Points)

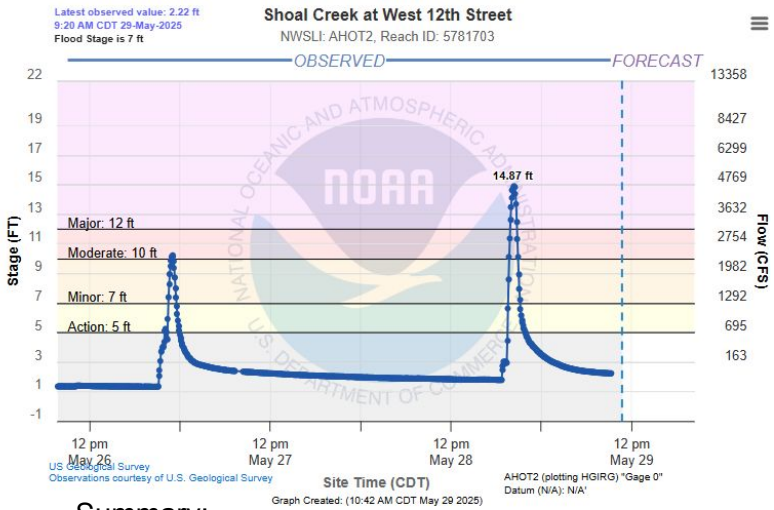


~~Sandy Creek near Kingsland (KNLT2):~~

- Max Flood Category: Action
- Crest: 9.97ft on 05/26 at 9:30 pm

Flood Stage Report (E3)

River Flood Summary (Non-Forecast Points)



Summary:

1st Crest: 10.20ft on 05/26 at 11:00pm

Reached flood: 05/26 at 10:20pm

Dropped below flood: 05/26 at 11:30pm

2nd Crest: 14.87ft on 05/28 at 8:20pm

Reached flood: 05/28 at 7:35 pm

Dropped below flood: 05/28 at 9:15pm

Gauge nearest to fatality location:

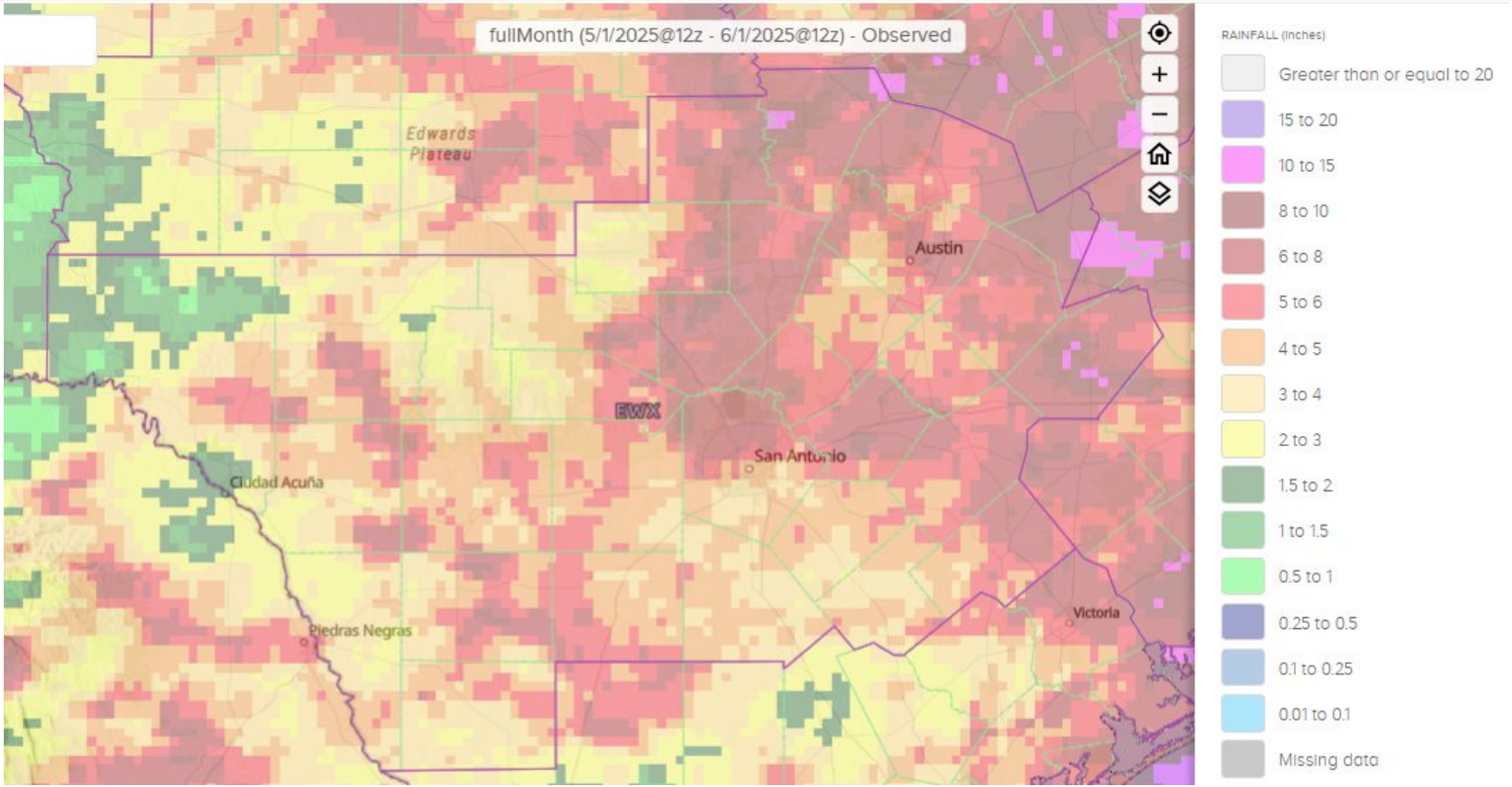
- Crests: 11.29ft on 05/28 at 7:05pm
- Time from base flow to Peak: 9.2ft in 25 minutes

Hydrologic Products Issued for the Month

Product Issued	Number Issued	Additional Comments
Flood Warning (FLW)	1	Issued for urbanized areas
Flood Advisory (FLS)	50	Issued for urbanized areas
Flood Watch (FFA)	0	
Flash Flood Warning (FFW)	20	
Flash Flood Statement (FFS)	17	
Hydrologic Outlook (ESF)	0	NWPS probabilistic forecasts automatically posted for the Brazos, Colorado, Guadalupe, San Antonio, Pecos, and Nueces Rivers.

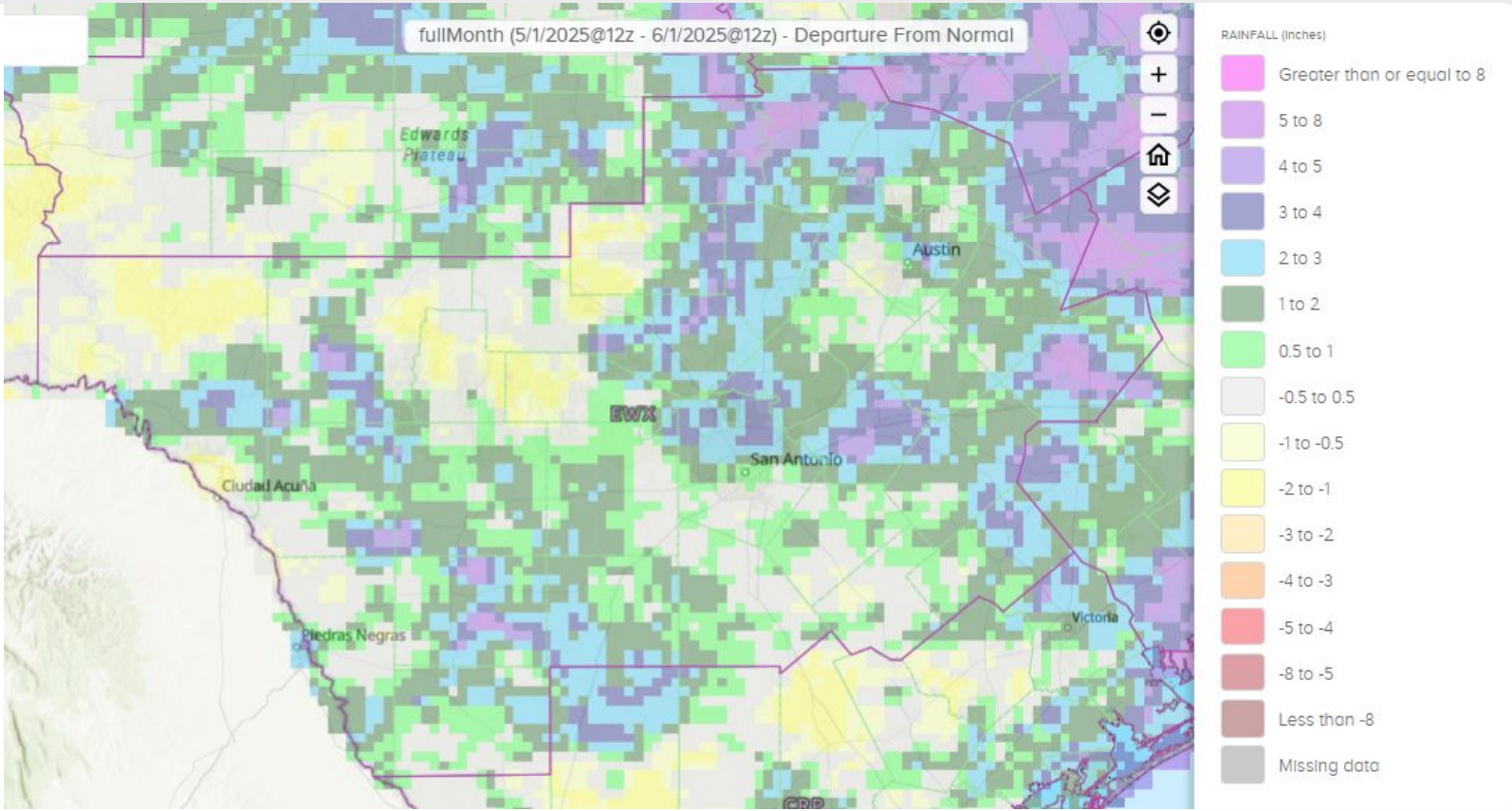
Monthly Rainfall

Observed Rainfall (Inches)



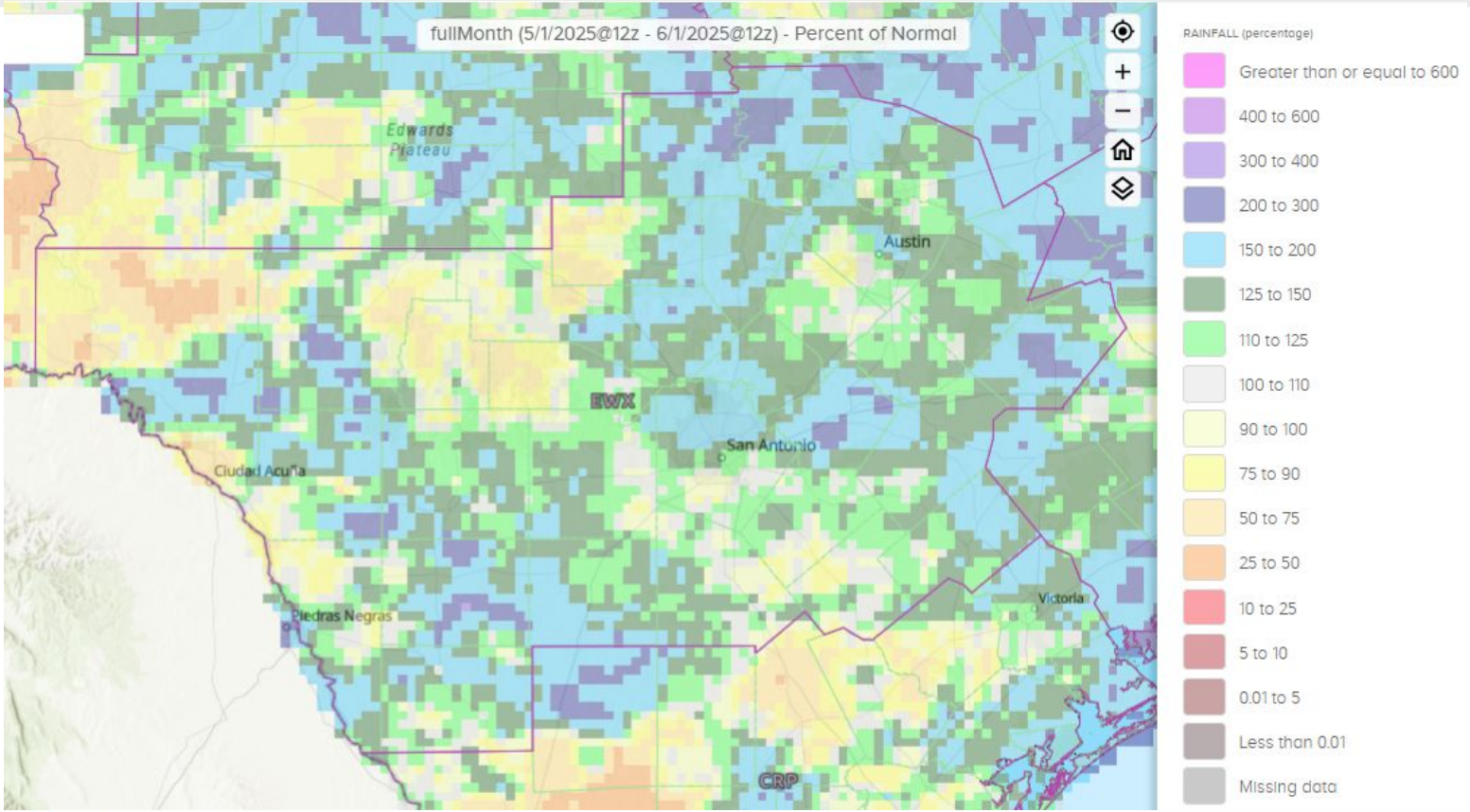
Monthly Rainfall

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	5.48”	5.00”	14.26”	15.00”	95%
Austin – Mabry	6.59”	5.04”	14.12”	14.87”	95%
Del Rio	0.90”	3.06”	1.95”	6.98”	28%
San Antonio	5.98”	4.40”	11.59”	12.83”	90%

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

Climate Station Rainfall Data For the Month

Nearby Offices:

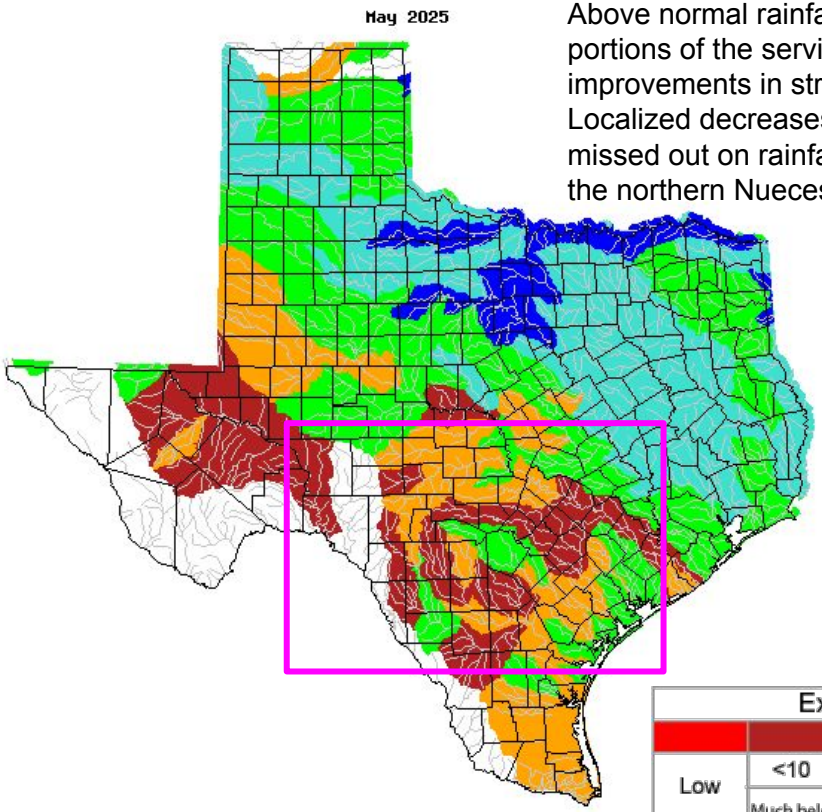
	Monthly Rainfall	Monthly Average	2025 Rainfall Through Month	1991-2020 Normal Through Month	2025 Percent of Normal
College Station	10.13”	4.60”	16.90”	17.21”	98%
Corpus Christi	1.58”	3.38”	6.82”	10.38”	65%
Laredo	2.37”	2.76”	4.37”	7.56”	58%
San Angelo	5.49”	3.05”	9.31”	8.12”	115%
Victoria	5.14”	5.23”	10.75”	15.86”	68%
Waco	4.35”	4.44”	16.46”	16.32”	101%

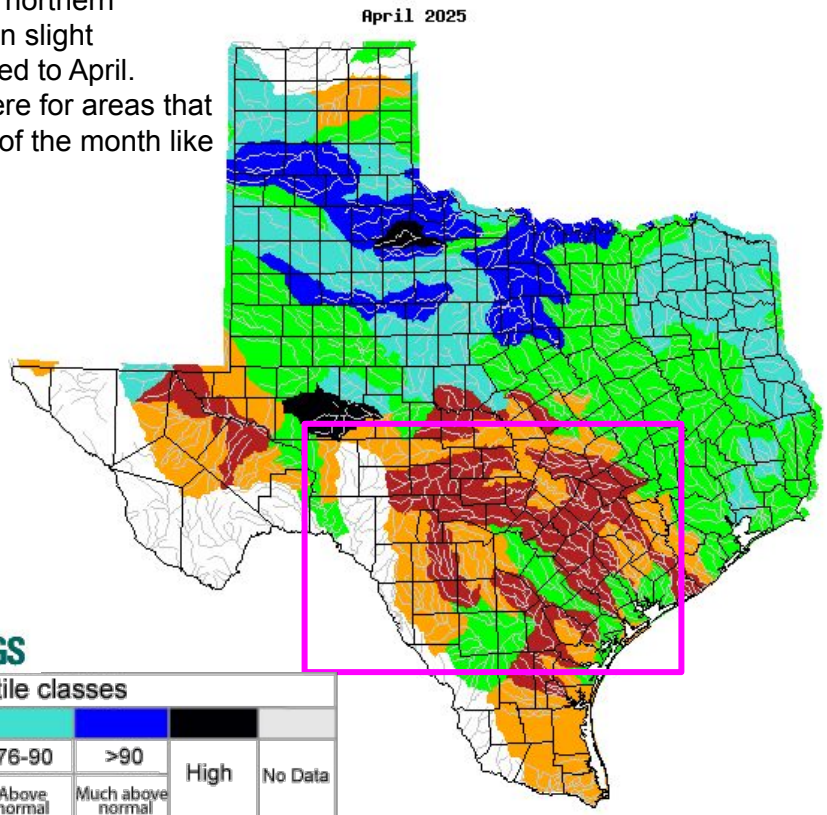
*The monthly averages and normal values are for the period 1991-2020

Monthly Historical Streamflow Comparison

Streamflow Comparison

Above normal rainfall, especially over northern portions of the service area, resulted in slight improvements in streamflows compared to April. Localized decreases in streamflow were for areas that missed out on rainfall for the majority of the month like the northern Nueces River Basin.





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	999.41 - 998.74	0.67
Lake Travis	681	637.50 - 635.69	1.81
Canyon Lake	909	877.20 New record low 876.93 (5/26)	-0.65
Medina Lake	1064.2	969.62 - 969.57	0.05
Lake Amistad	1117	1048.84	0

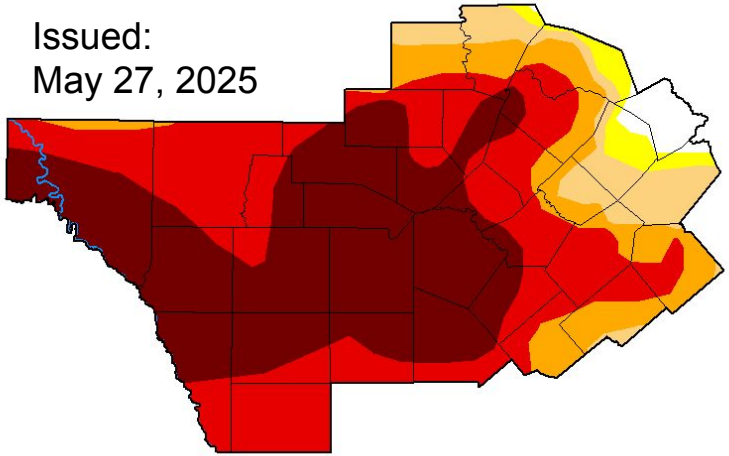
Drought Conditions

Monthly Drought Monitor Comparison

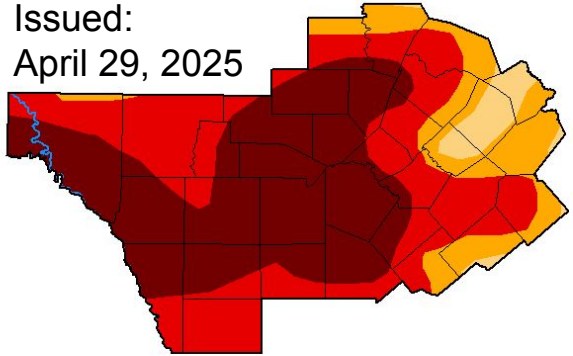
Long running rainfall deficits, low reservoir levels, and lower aquifer levels resulted in only minor improvements across the service area despite monthly near the above normal rainfall.

- D4 drought encompasses 41.97% of the CWA
- D3 drought encompasses 34.63% of the CWA
- D2 drought encompases 11.34% of the CWA
- Not affected by drought: 4.77%

Issued:
May 27, 2025



Issued:
April 29, 2025



May 27, 2025

(Released Thursday, May. 29, 2025)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0	D1	D2	D3	D4
Current	2.24	2.53	7.28	11.34	34.63	41.97
Last Week *05-20-2025*	0.00	2.68	7.27	10.70	34.11	45.24
3 Months Ago *02-25-2025*	0.00	0.38	13.11	39.80	46.71	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 *05-28-2024*	29.47	7.64	19.57	36.69	6.63	0.00

Intensity:

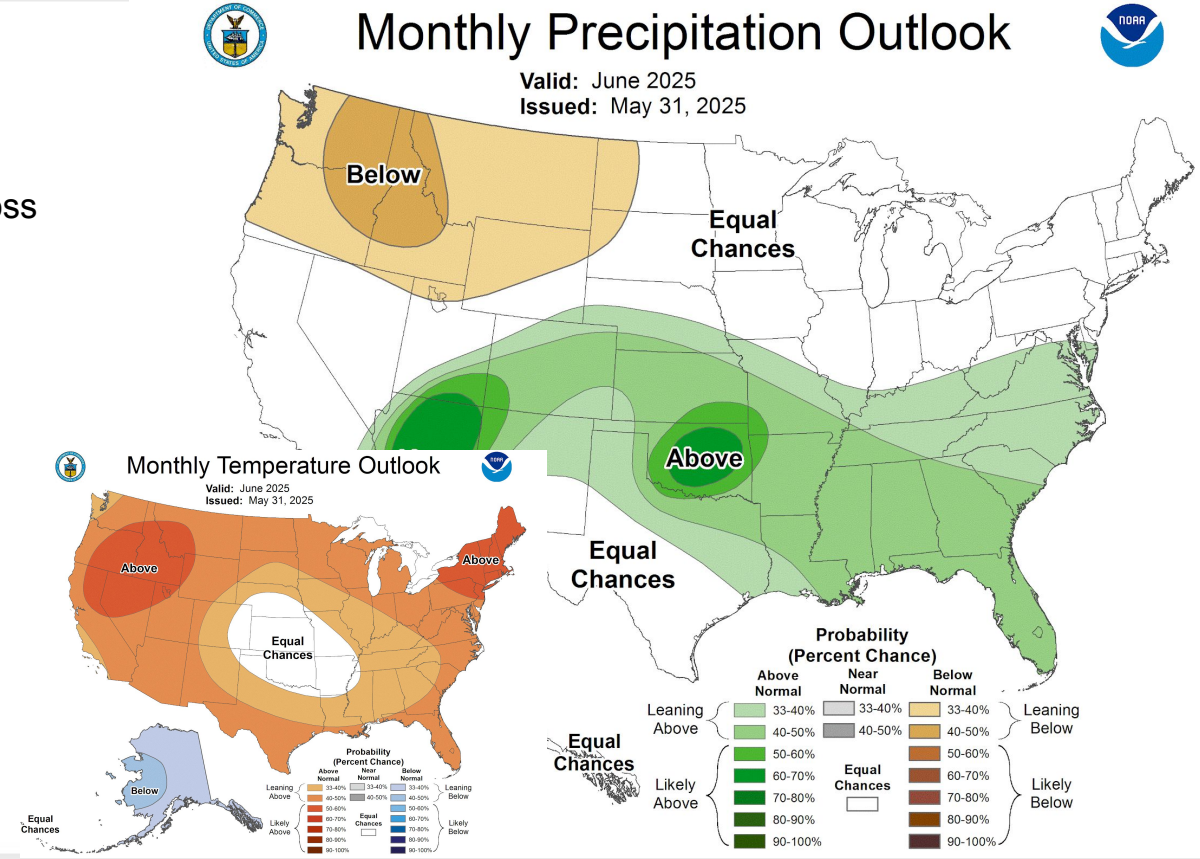
- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

One Month Outlook

The Monthly Outlook

- The Precipitation Outlook for June shows equal chances for above, below, or near normal chances across the entire service area
- The Temperature Outlook shows above normal chances across the service area

[Click for latest graphics]

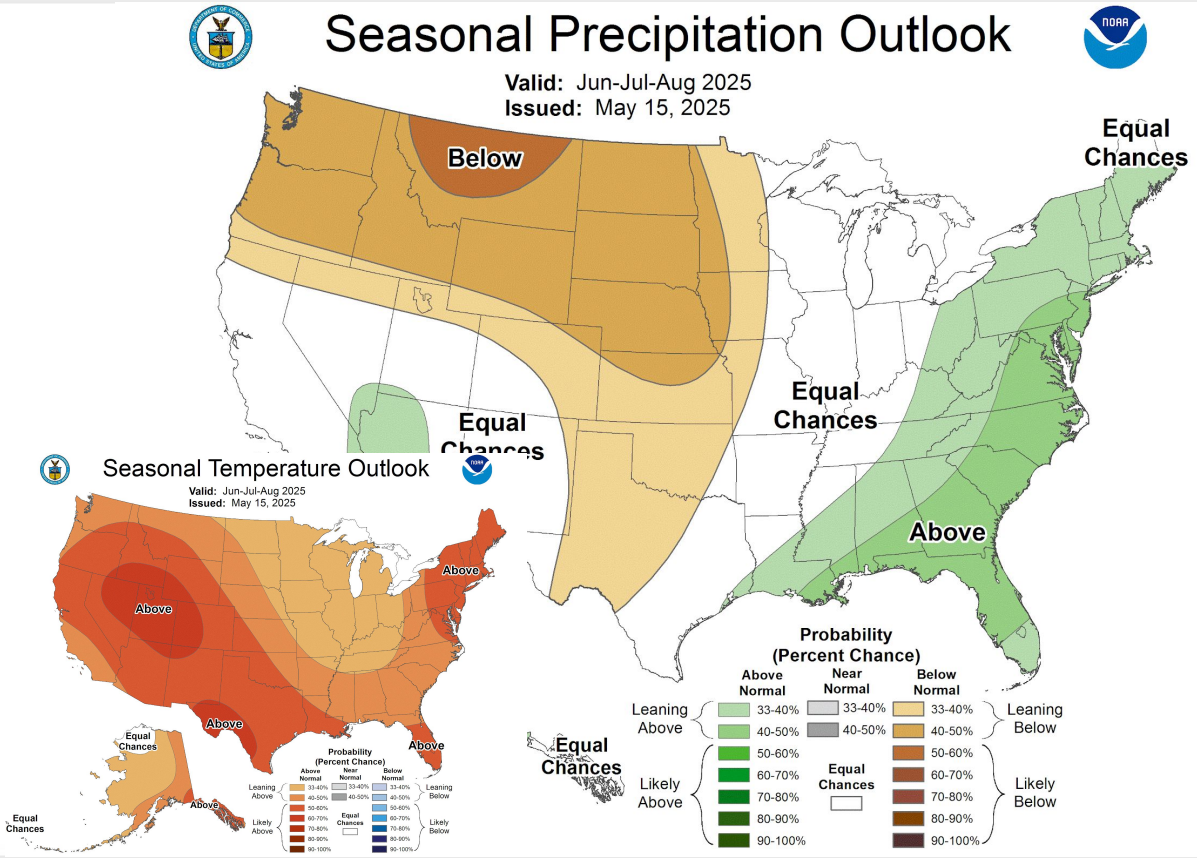


Three Month Outlook

Looking at the Seasonal Outlook

- The Precipitation Outlook for the Summer leans towards below normal precipitation for portions of the southern Edwards Plateau and Hill Country
  - The remainder of the area has equal chances for above, below, or near normal rainfall
- Temperature Outlook for the Summer shows a strong signal 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/