

June 2023 Monthly Hydrologic Report (E5)

NWS Austin/San Antonio, TX

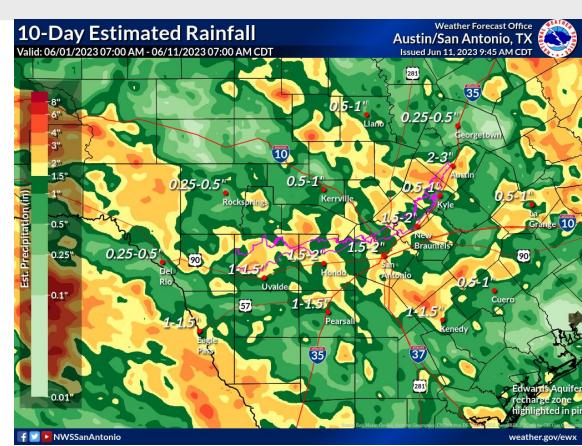
Prepared by: Chris Morris July 14, 2023

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





- The majority of the month's rainfall occurred over the course of the first 10 days of June.
- While there was isolated urban and rural flooding/flash flooding, river levels stayed below minor flood stage across the area given initial low streamflows.



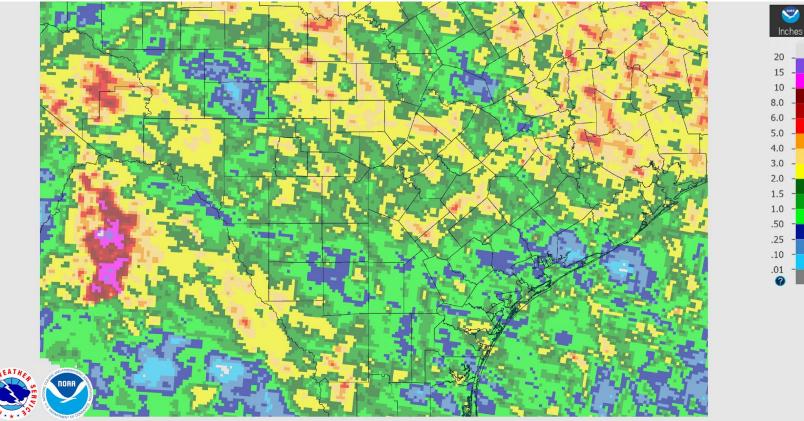






June 2023 Rainfall

Observed Rainfall (Inches)

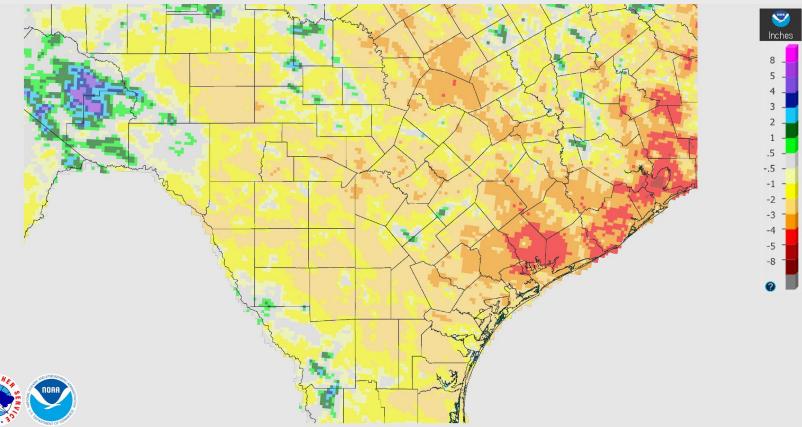






June 2023 Rainfall

Departure from Normal Rainfall (Inches)





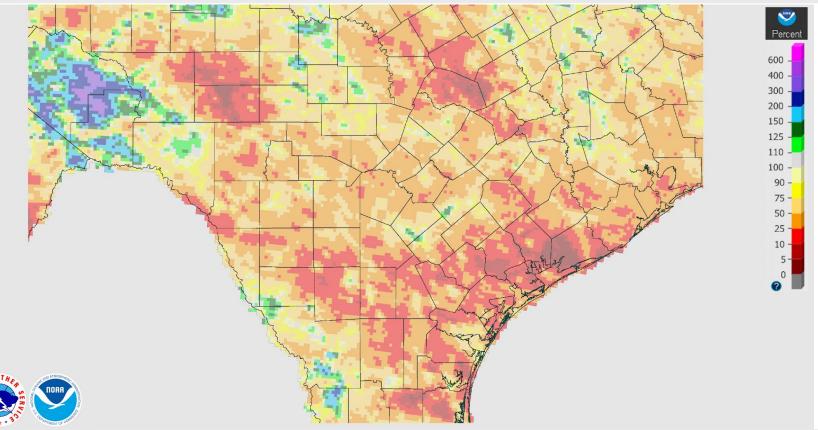
National Oceanic and Atmospheric Administration

U.S. Department of Commerce



June 2023 Rainfall

Percent of Normal Rainfall (%)





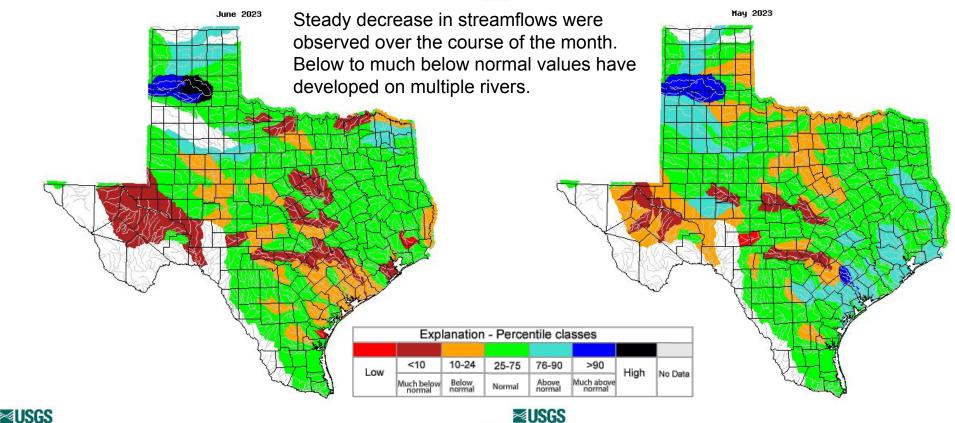
National Oceanic and Atmospheric Administration

U.S. Department of Commerce



June 2023 - Historical Streamflow Comparison

Streamflow Comparison









Austin/San Antonio Area

	Monthly Rainfall	Monthly Average	2023 Rainfall Through Month	1991-2020 Normal Through Month	Percent of Normal
Austin – Bergstrom	2.22"	3.37"	15.68"	18.37"	85%
Austin – Mabry	1.16"	3.68"	13.80"	18.55"	74%
Del Rio	0.10"	2.32"	8.36"	9.30"	90%
San Antonio	1.18"	3.28"	13.02"	16.11"	81%

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





Nearby Offices:

	Monthly Rainfall	Monthly Average	2023 Rainfall Through Month	1991-2020 Normal Through Month	Percent of Normal
College Station	1.87"	4.01"	20.82"	21.22"	98%
Corpus Christi	0.80"	3.56"	13.25"	13.94"	95%
Laredo	0.45"	2.50"	8.08"	10.06"	80%
San Angelo	1.67"	2.31"	8.09"	10.43"	78%
Victoria	1.52"	4.21"	18.85"	20.07"	94%
Waco	0.40"	3.35"	15.66"	19.67"	80%

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





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	1002.50	+1.38
Lake Travis	681	639.25	+2.05
Canyon Lake	909	896.96	+1.21
Medina Lake	1064.2	981.24	-0.72
Lake Amistad	1117	1068.70	+0.54



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



Hydrologic Products Issued for the Month

Product Issued	Number Issued	Additional Comments
River Flood Warning (FLW)	0	
River Flood Statement/Area Flood Advisory (FLS)	28	
Flash Flood Watch (FFA)	0	
Flash Flood Warning (FFW)	4	
Flash Flood Statement (FFS)	6	
Hydrologic Outlook (ESF)	6	AHPS probabilistic forecasts for the Brazos, Colorado, Guadalupe, San Antonio, Pecos, and Nueces Rivers

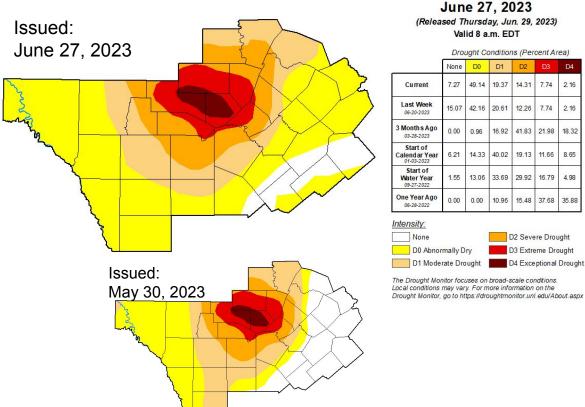


Drought Conditions

Monthly Drought Monitor Comparison

While May saw far reaching drought improvement in drought conditions for the Coastal Plains and portions of the the I-35 corridor, the lack of additional rainfall from the middle of the month onward has allowed for drought conditions to once again spread south-eastwards.

- D3/D4 drought encompasses 10% of the CWA
- Drought doesn't affect 56% of the CWA



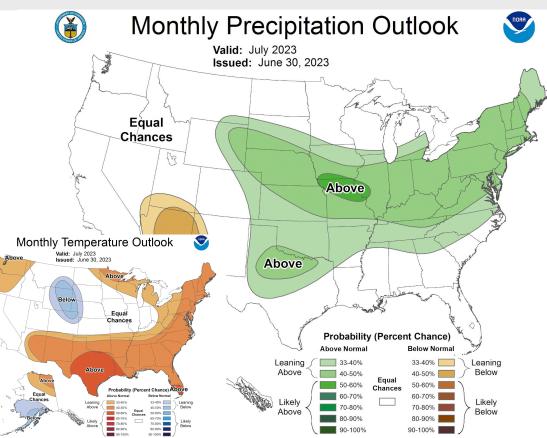




Looking at the Monthly Outlook for July

- The Precipitation Outlook shows equal chances for at, below, or near normal rainfall for the month of July across the area.
- The Temperature Outlook strongly leans towards above normal temperatures for the month.

Click for latest graphics



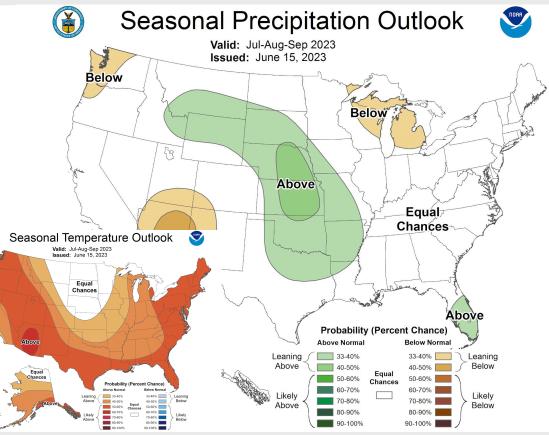




Looking at the Seasonal Outlooks

- The Precipitation Outlook continues to show equal chances for above, below, normal amounts.
- The Temperature Outlook continues to show above normal for the entire area into the Fall.

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: <u>http://www.weather.gov/wgrfc/</u>

Or from the Precipitation Analysis page at: <u>http://water.weather.gov/precip/</u>

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

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

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



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