NWS Form E-5 (04-2006) (PRES. BY NWS Instruction 10-924)	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE	HYDROLOGIC SERVICE AREA (HSA)
MONTHLY REPORT OF HYDROLOGIC CONDITIONS		**Austin/San Antonio (EWX)**
		REPORT FOR: MONTH YEAR October **2022**
TO: Hydrologic Information Center, W/OS31 NOAA's National Weather Service 1325 East West Highway Silver Spring, MD 20910-3283		SIGNATURE **Monte Oaks**
		DATE **November 9, 2022**

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

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

The dry spell in the latter two thirds of September carried into the first several days of october. Weak cold front passages arrived into South Central Texas mostly dry, with only an isolated pocket or two of heavy downpours over parts of the Coastal Prairies through the first half of the month.

Finally on the night of the 16th, a cold front combined with plenty of moisture and upper level disturbances brought some showers and thunderstorms to most of south central Texas through the 18th. The heavier rainfall amounts occurred over the Rio Grande plains and southern Edwards Plateau where widespread 1-2 inch amounts were indicated by radar estimates. A few spots across northern Val Verde and northern Maverick county may have picked up as much as 4 inches of rainfall. Farther east, rainfall amounts tapered off, across portions of the Hill Country and Interstate 35 corridor. The exception to this was across Williamson, northeast Travis, northwest Bastrop and into central Lee county. Across this area, some 1-2 inch amounts were measured, with a few amounts near 3.5 inches.

A dry pattern resumed until around the 24th when a storm system moved through the area, bringing spotty rainfall amounts of ¼ inch to around 1 inch across areas mainly east of Highway 281. A second storm system moved through the area on October 28th and 29th, with a more uniform spread of ¼ to 1 inch rains covering all but a few areas along the Rio Grande.

Then on October 31st, some late evening showers and thunderstorms brought some ¼ t o ½ inch amounts generally east of I-35, but also some locally higher amounts of 1.5-2.5" over the Devils River watershed in Val Verde County.

With the central portions of South Central Texas again seeing the least amount of rain, the small area of exceptional drought (D4) has increased in size slightly, while the extreme drought (D3) expanded east from the Hill Country into parts of the Coastal Prairies along Interstate 10. As was the case in September, area lake levels continued to drop while Amistad Reservoir continued to see a steady rise.

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: http://water.weather.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/

Rainfall and Reservoir Data:

Austin/San Antonio HSA:

	Monthly Rainfall	*Monthly Average*	*2022 Rainfall Through Month*	*1991-2020 Normal Through Month*	*Percent of Normal*
Austin – Bergstrom	1.99”	4.25”	19.81”	30.28”	65%
Austin – Mabry	2.18”	3.91”	20.50”	30.61”	67%
Del Rio	2.38”	2.08”	15.37”	18.20”	84%
San Antonio	1.05”	3.75”	9.25”	28.30”	33%

Nearby offices:

	Monthly Rainfall	*Monthly Average*	*2022 Rainfall Through Month*	*1991-2020 Normal Through Month*	*Percent of Normal*
College Station	1.85”	4.93”	24.42”	34.73”	70%
Corpus Christi	0.48”	3.13”	20.35”	27.78”	73%
Laredo	0.50	1.75”	15.04”	19.24”	78%
San Angelo	3.86”	2.83”	12.61”	22.58”	56%
Victoria	1.62”	3.97”	18.55”	35.14”	53%
Waco	2.85”	4.41”	14.66”	30.82”	48%

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

HSA Reservoir Elevations:

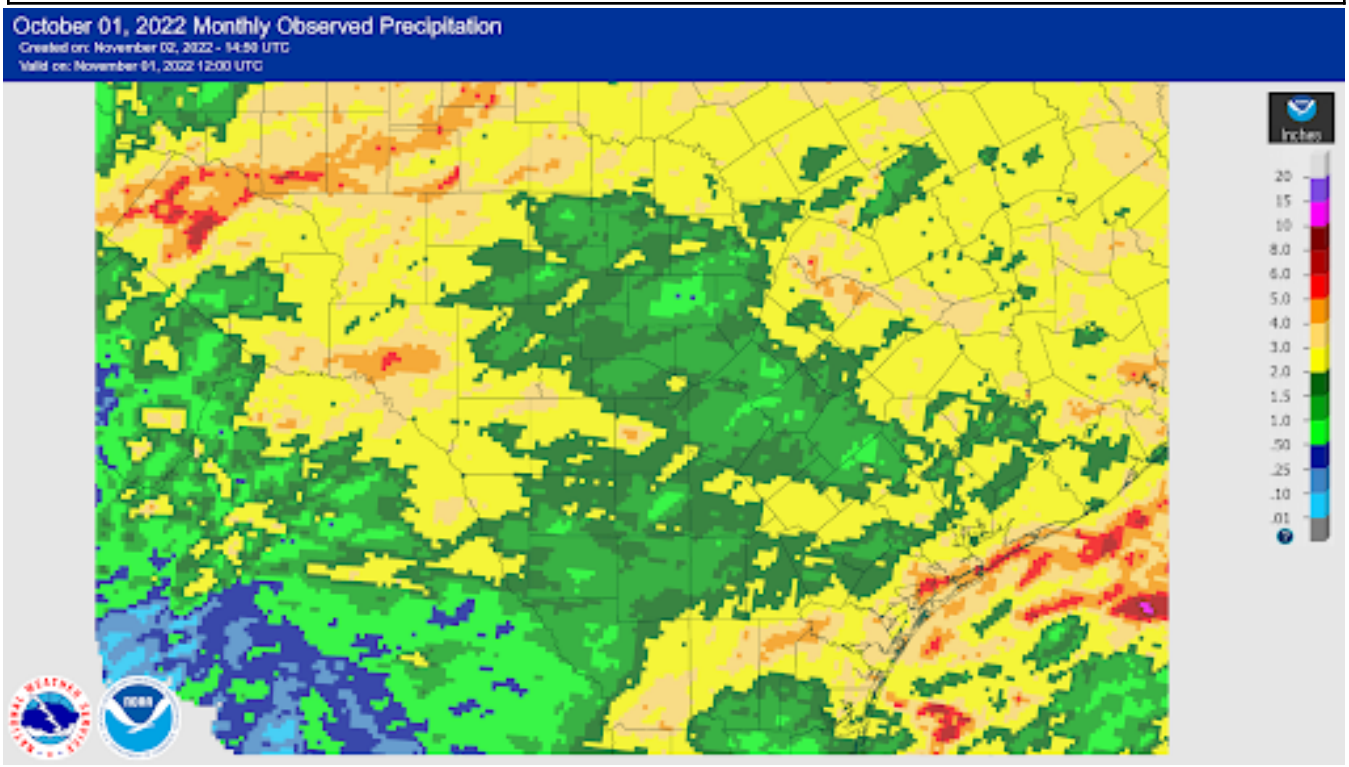
	Conservation Elevation (feet)	**End of Month Elevation (feet)**	**Monthly Change (Feet)**
Lake Buchanan	1020	1002.55	-0.94

Lake Travis	681	640.38	-2.59
Canyon Lake	909	900.38	-1.33
Medina Lake	1064.2	986.24	-1.29
Lake Amistad	1117	1079.92	4.78

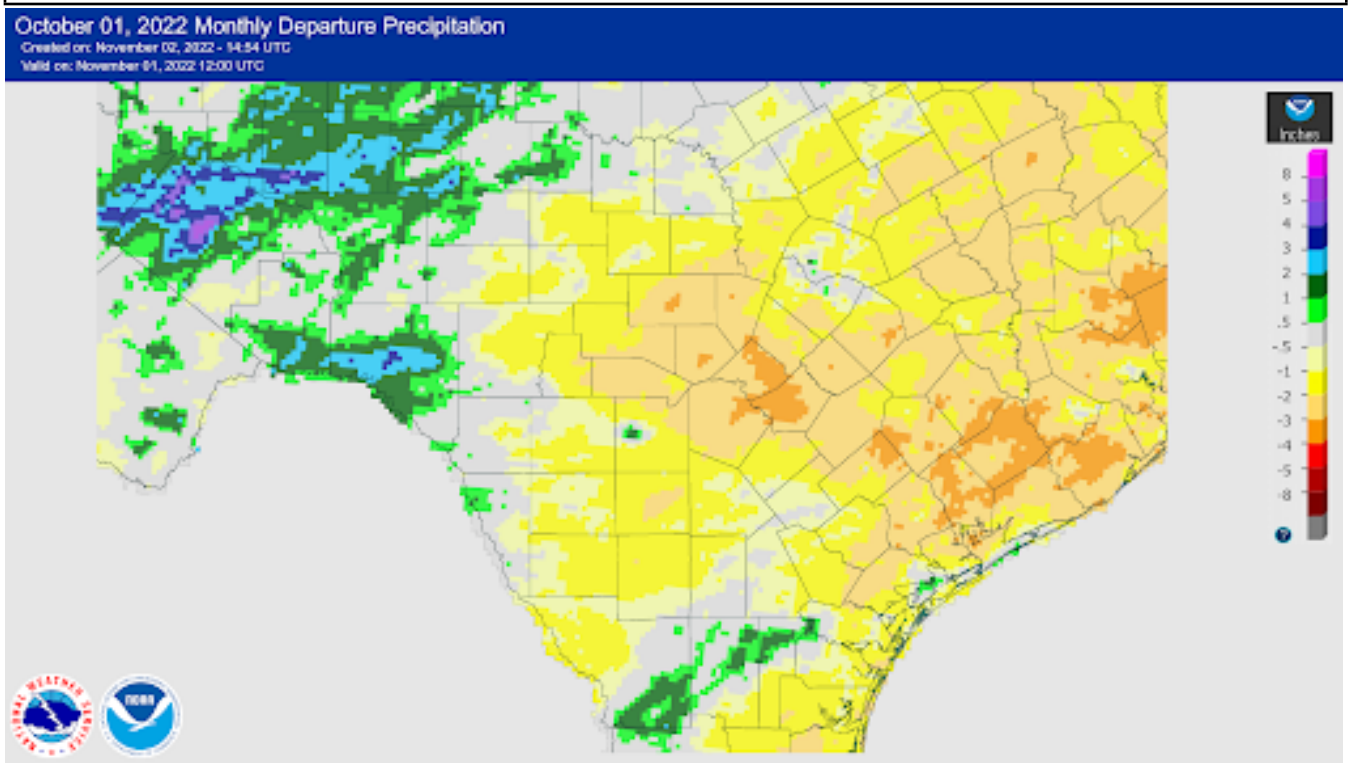
Hydro products:

River Flood Warning (FLW) – 0
River Flood Statement / Flood Advisory (FLS) – 1
(1 Urban / Small Stream Flood Advisory / 0 River Flood Statement)
Hydrologic Statement (RVS) – 0
Flash Flood Watch (FFA) – 0
Flash Flood Warning (FFW) – 0
Flash Flood Statement (FFS) – 0
Hydrologic Outlook (ESF) – 6 1 AHPS Probabilistic Forecast for Brazos River
1 AHPS Probabilistic Forecast for Colorado River
1 AHPS Probabilistic Forecast for Guadalupe River
1 AHPS Probabilistic Forecast for San Antonio River
1 AHPS Probabilistic Forecast for Pecos River
1 AHPS Probabilistic Forecast for Nueces River

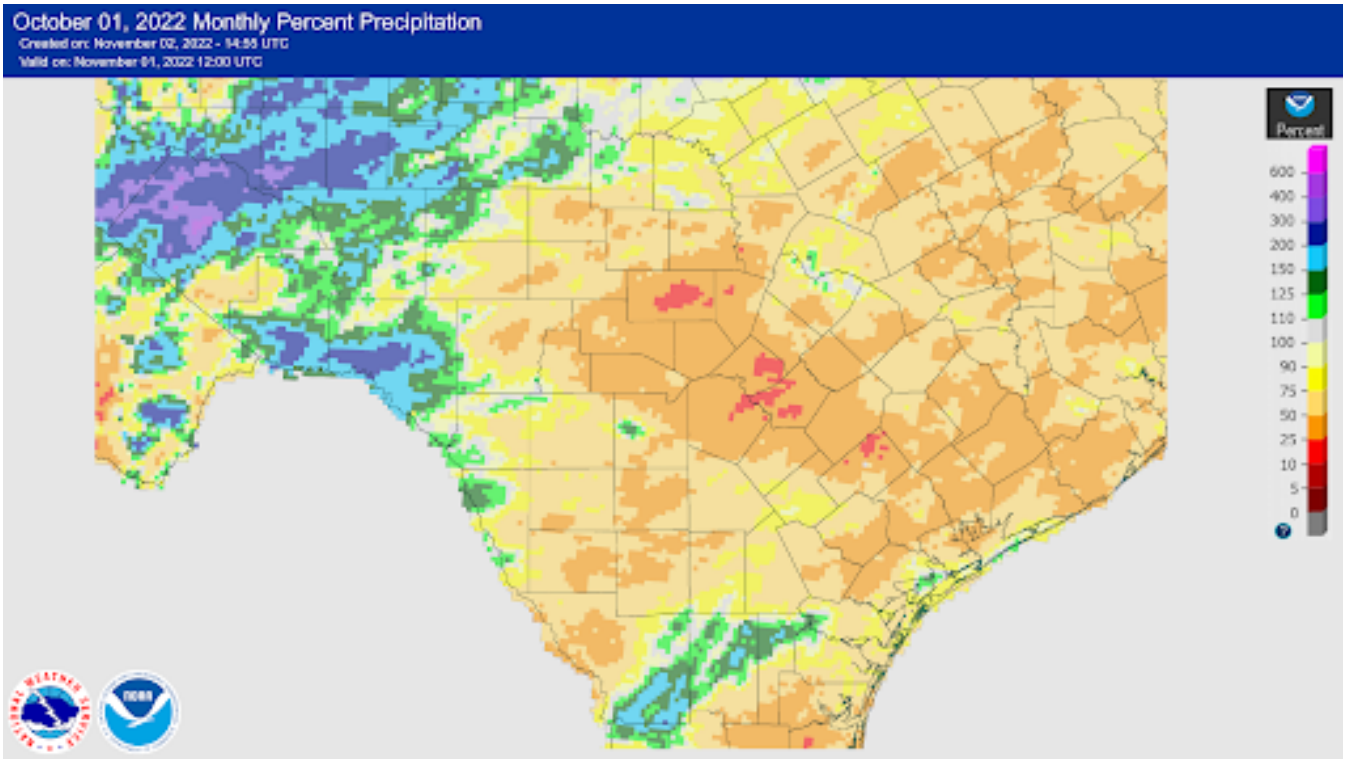
October 2022 - Observed Rainfall (Inches)



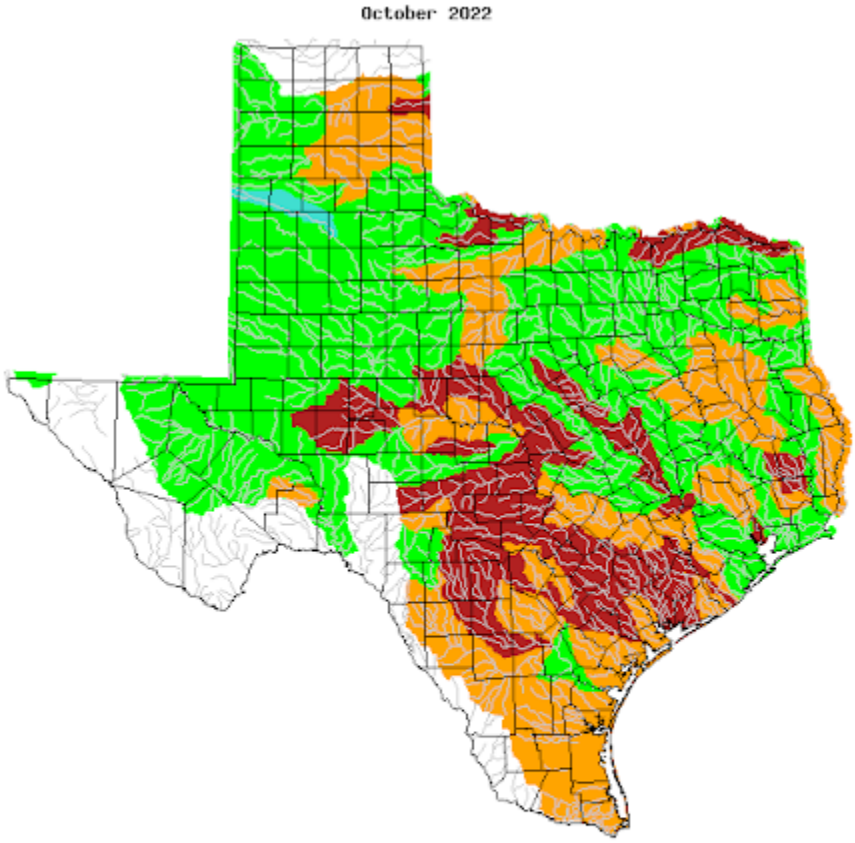
October 2022 - Departure from Normal Rainfall (Inches)



October 2022 - Percent of Normal Rainfall



Oct 2022 - Streamflow Comparison with Historical Flows



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		