

NWS FORM E-5 (11-88) (PRES. by NWS Instruction 10-924)	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE	HYDROLOGIC SERVICE AREA (HSA) WFO Midland, Texas
		MONTHLY REPORT OF HYDROLOGIC CONDITIONS
TO: Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230 Silver Spring, MD 20910-3283		REPORT FOR: MONTH August YEAR 2023 SIGNATURE <u>J. DeBerry</u> In Charge of HSA DATE September 15, 2023

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

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

August was fairly uneventful hydrologically except for one notable event. On August 23rd, remnants of Tropical Storm Harold entered the lower Trans Pecos, and moved northwest across the HSA, exiting through the Guadalupe Mountains. Unfortunately, the radar at NWS Midland was out of service that day, so areal rainfall coverage was hard to come by. Thus, the monthly radar precipitation map on the next page does not reflect rainfall from the storm. However, numerous low water crossings along U.S. Hwy 385 south of Fort Stockton flooded in Pecos County. The river gage on the Rio Grande south of Dryden in Terrell County reported over 5" of rainfall from the storm. The Rio Grande jumped from less than 5' to just over 27' in 6 hours. However, the Rio Grande at Dryden is still well below the flood stage of 59' at this reach of the river.

Precipitation amounts from area ASOS's:

City	ASOS ID	August	July
Carlsbad, NM	KCNM	0.78"	0.11"
Fort Stockton	KFST	0.01"	T
Guadalupe Pass	KGDP	0.71"	1.43"
Midland Int'l	KMAF	T	0.33"
Odessa	KODO	0.11"	0.25"
Terrell County	K6R6	5.78"	0.12"
Wink	KINK	0.04"	0.00"

Precipitation amounts from area AWOS's:

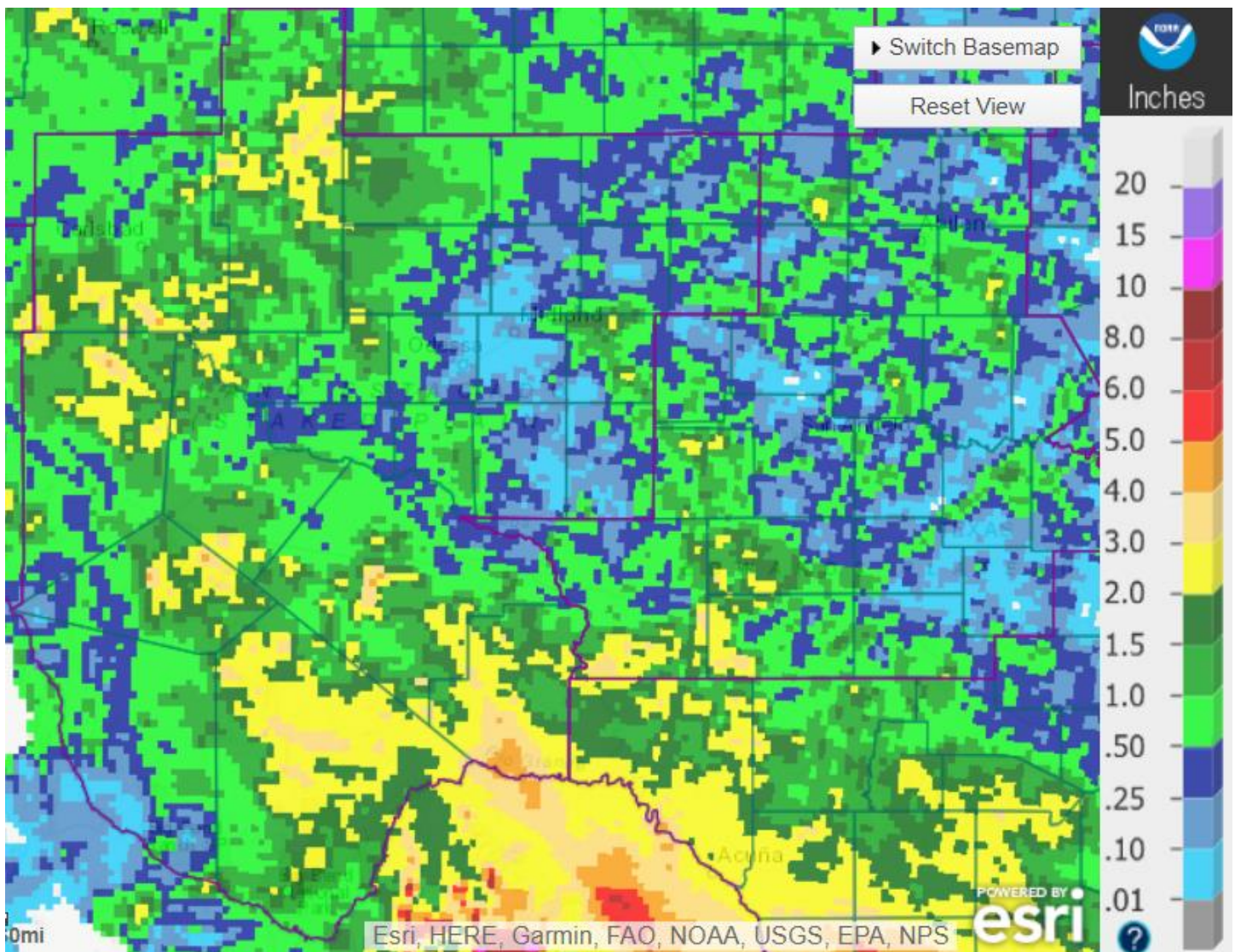
City	AWOS ID	August	July
Alpine	KE38	1.46"	1.15"
Andrews County	KE11	0.27"	0.00"
Artesia, NM	KATS	0.90"	0.54'
Big Spring	KBGP	0.05"	0.00"
Culberson County	KVHN	1.86"	0.79"
Gaines County	KGNC	0.59"	0.41"
Hobbs, NM	KHOB	1.63"	0.72"

Lajitas	KT89	1.24"	0.00"
Lamesa Municipal	KLUV	0.01"	0.02"
Marfa	KMRF	0.09"	1.16"
Midland Airpark	KMDD	0.16"	M
Pecos County	KPEQ	2.37"	0.00"
Presidio County	KPRS	0.43"	0.01"
Reagan County	KE41	0.05"	0.04"
Snyder	KSNK	0.07"	0.57"

Some other locations in the HSA that received notable amounts of precipitation for August were:

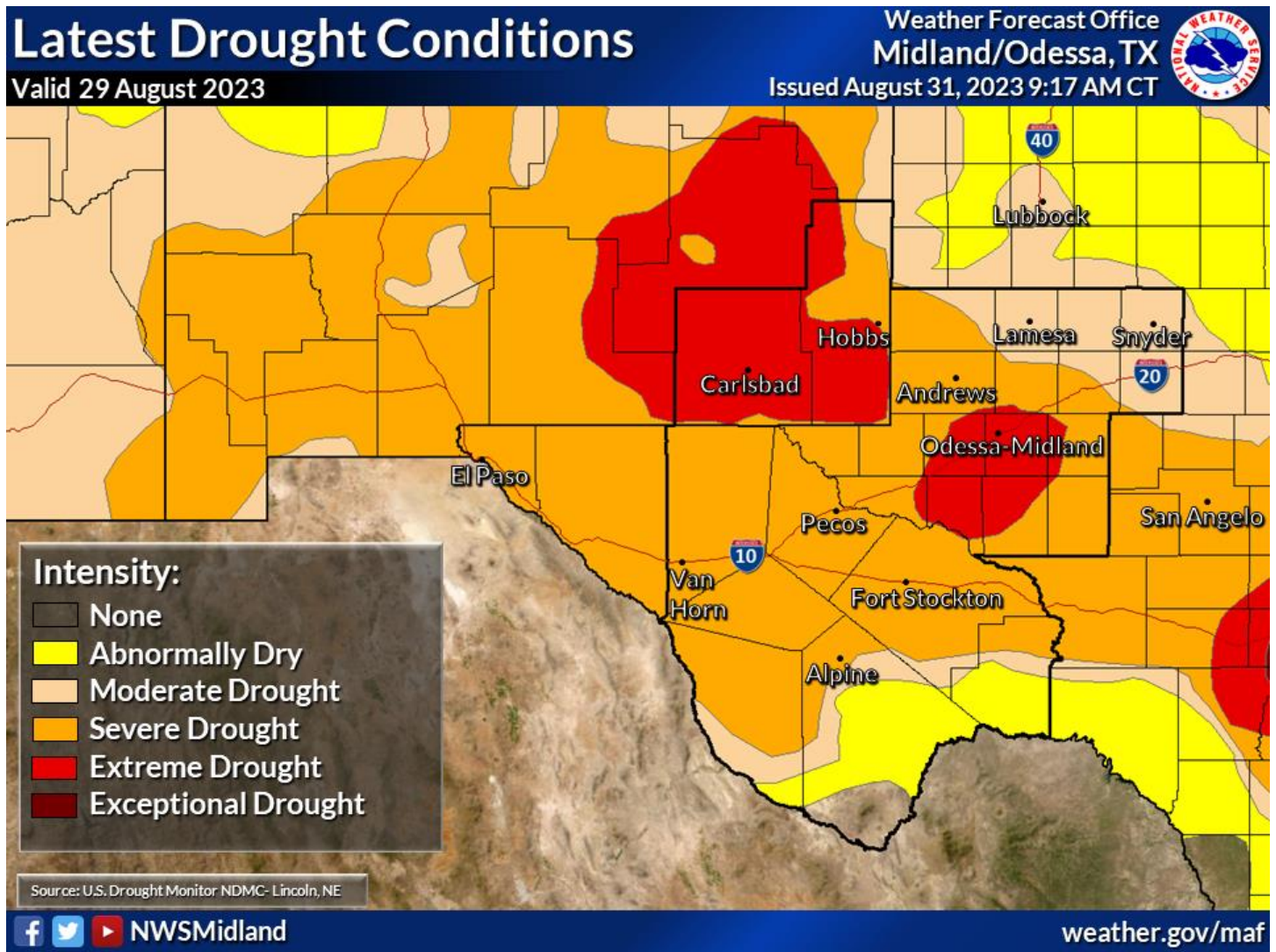
Carlsbad Caverns National Park, Eddy County 3.47"
 The Bowl, Culberson County 3.59"
 Dog Canyon, Culberson County 4.96"
 Terrell County Airport, Terrell County 5.78"

84 locations reported rainfall for the month of August, for an HSA average of 1.12".



August Precipitation

Normal August precipitation for Midland International Air and Space Port is 1.72". Total precipitation for 2023 ending September 1st was 1.79", or 7.54" below normal.



Reservoir levels across the HSA averaged 45.7% of conservation capacity as of September 1st:

Reservoir (County, State)	September 1 Conserv Cap (%)	August 1 Conserv Cap (%)
JB Thomas (Scurry, TX)	19.0	20.5
Colorado City (Mitchell, TX)	50.0	52.6
Champion Creek (Mitchell, TX)	52.3	54.4
Natural Dam Salt Lake (Howard, TX)	48.4	48.4
Moss Creek (Howard, TX)	74.0	76.0
Brantley (Eddy, NM)	45.0	42.0
Avalon (Eddy, NM)	29.0	40.0
Red Bluff (Reeves, TX)	47.9	49.3

Non-Routine Products Issued for August:

Flash Flood Watches (FFA): 3
Flash Flood Warnings (FFW): 11
Flash Flood Statements (FFS): 12
Flood Advisories/Statements (FLS): 0
Flood Warnings (FLW): 1

Total Non-Routine Products Issued: 27

**cc: email: COE ABQ, HIC, IBWC ELP, IBWC PRD, LCRA, NWS ABQ, NWS EPZ, NWS LBB,
NWS MAF, NWS SJT, SRH, TAMU, TCEQ, USGS CNM, USGS SJT, WGRFC**