

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
		REPORT FOR: MONTH August YEAR 2022 SIGNATURE J. DeBerry In Charge of HSA DATE September 15, 2022
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		

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.

In mid-August, remnants of a tropical system moved up the Rio Grande, bringing abundant tropical rainfall to West Texas and Southeast New Mexico, mainly along and west of the Pecos. Intense convection along the Rio Grande, as well as its tributaries, resulted in notable rises from Candelaria downstream through Dryden. The Rio Grande briefly rose into minor flood stage just below Presidio on August 17th. Monsoonal rains continued on the 18th and 19th, especially in Mexico in the Rio Conchos watershed. This sent additional elevated flows into the Rio Grande at Presidio, bringing the Rio Grande there to moderate flood in some locations. Flooding along the Rio Grande continued off and on throughout the rest of the month.

The aforementioned tropical system drifted into the desert southwest and then curved back and moved east through New Mexico and the South Plains of Texas on August 20th. Thunderstorms first developed in Dark Canyon in Eddy County, and washed a vehicle away from a low water crossing there. Fortunately, the occupants were safely rescued, and Dark Canyon Road was closed. Various roadways and low water crossings were closed near Lakewood, Seven Rivers, Loving, and Malaga. At Carlsbad Caverns National Park, a thunderstorm developed over the upper end of Walnut Canyon, dumping a radar-estimated 3.5" of rain in 1-2 hours. This flash-flooded the canyon, stranding some 160 visitors to the park well into the night. Farther east that evening, thunderstorms flash-flooded Midland in Midland Country with over 2.5" of rain in some locations, flooding numerous roadways and necessitating multiple water rescues.

On the 28th, thunderstorms developed over the Permian Basin, flooding Odessa in Ector County over a foot deep in some places, and stranding numerous vehicles.

On August 31st, thunderstorms developed over the Western Low Rolling Plains, necessitating road closures near Dunn, Ira, and China Grove. Later that afternoon, thunderstorms resulting in flash flooding near Toyahvale in Jeff Davis County, and several roads were closed there, as well. Thunderstorms also inundated roads in and around Carlsbad in Eddy County.

Overall, August was a good month, hydrologically. Whereas the Pecos River had been bone-dry in places at the beginning of the month, abundant rainfall replenished it, as well as the Rio Grande and Colorado River. Drought conditions improved most places.

Precipitation amounts from area ASOS's:

City	ASOS ID	August	July
Carlsbad, NM	KCNM	2.26"	0.51"

Fort Stockton	KFST	3.04"	0.53"
Guadalupe Pass	KGDP	3.00"	0.63"
Midland Int'l	KMAF	4.06"	0.03"
Odessa	KODO	3.68"	0.16"
Terrell County	K6R6	7.94"	0.00"
Wink	KINK	2.76"	T

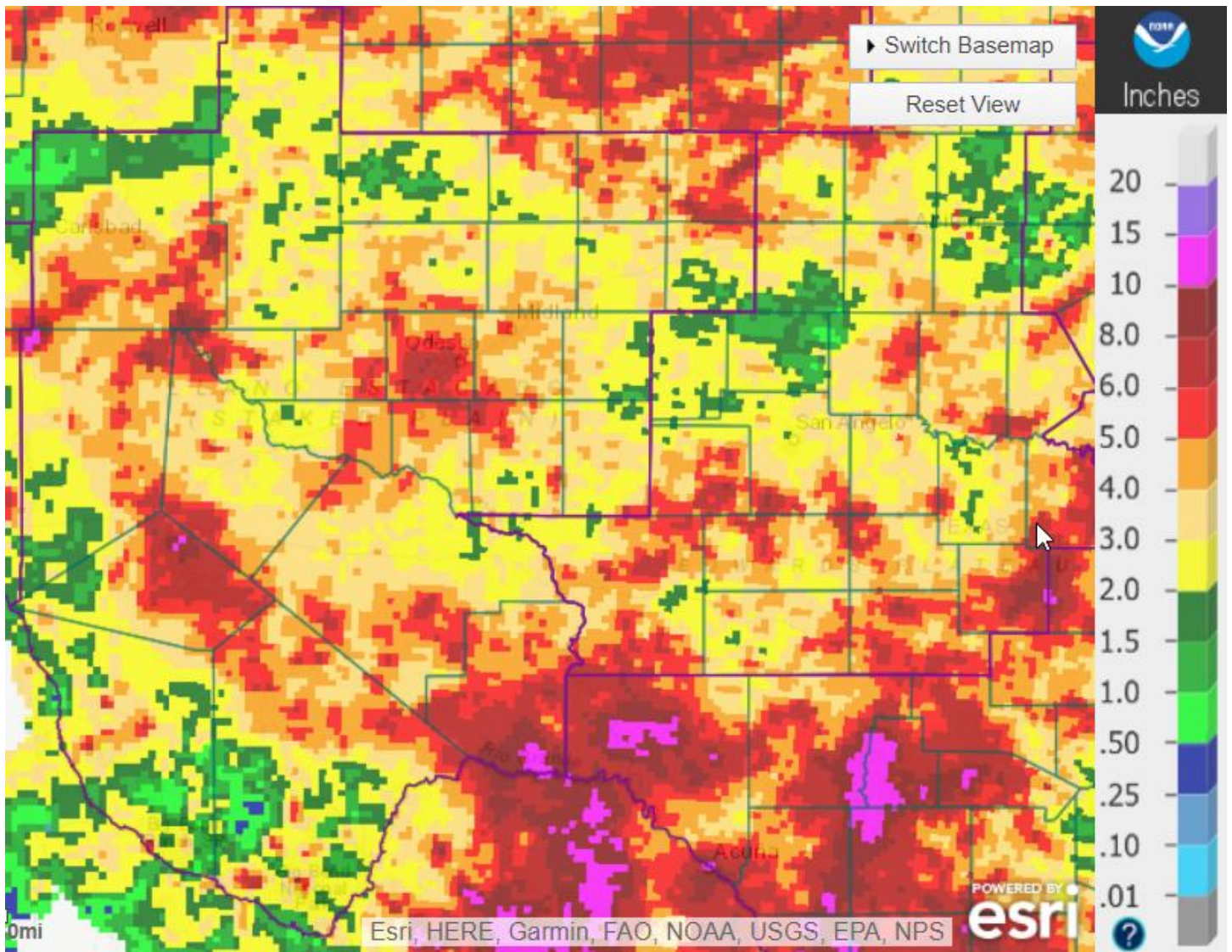
Precipitation amounts from area AWOS's:

City	AWOS ID	August	July
Alpine	KE38	4.66"	1.07"
Andrews County	KE11	3.63"	0.32"
Artesia, NM	KATS	1.43"	0.02'
Big Spring	KBGP	2.38"	0.02"
Culberson County	KVHN	3.89"	1.43"
Gaines County	KGNC	1.00"	0.01"
Hobbs, NM	KHOB	1.86"	0.00"
Lamesa Municipal	KLUV	2.41"	0.04"
Marfa	KMRF	3.85"	1.07"
Midland Airpark	KMDD	0.64"	0.00"
Pecos County	KPEQ	1.63"	0.00"
Presidio County	KPRS	5.89"	1.15"
Reagan County	KE41	1.79"	0.53"
Snyder	KSNK	4.68"	0.18"

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

Wolf Den DMP, Jeff Davis County 7.57"
 Dog Canyon, Culberson County 8.51"
 The Bowl, Culberson County 8.62"
 Kent 8SE, Jeff Davis County 10.19"

87 locations reported rainfall for the month of August, for an HSA average of 3.81".



August Precipitation

Normal August precipitation for Midland International Air and Space Port is 1.72". Total precipitation for 2022 ending September 1st was 6.29", or 3.04" below normal.

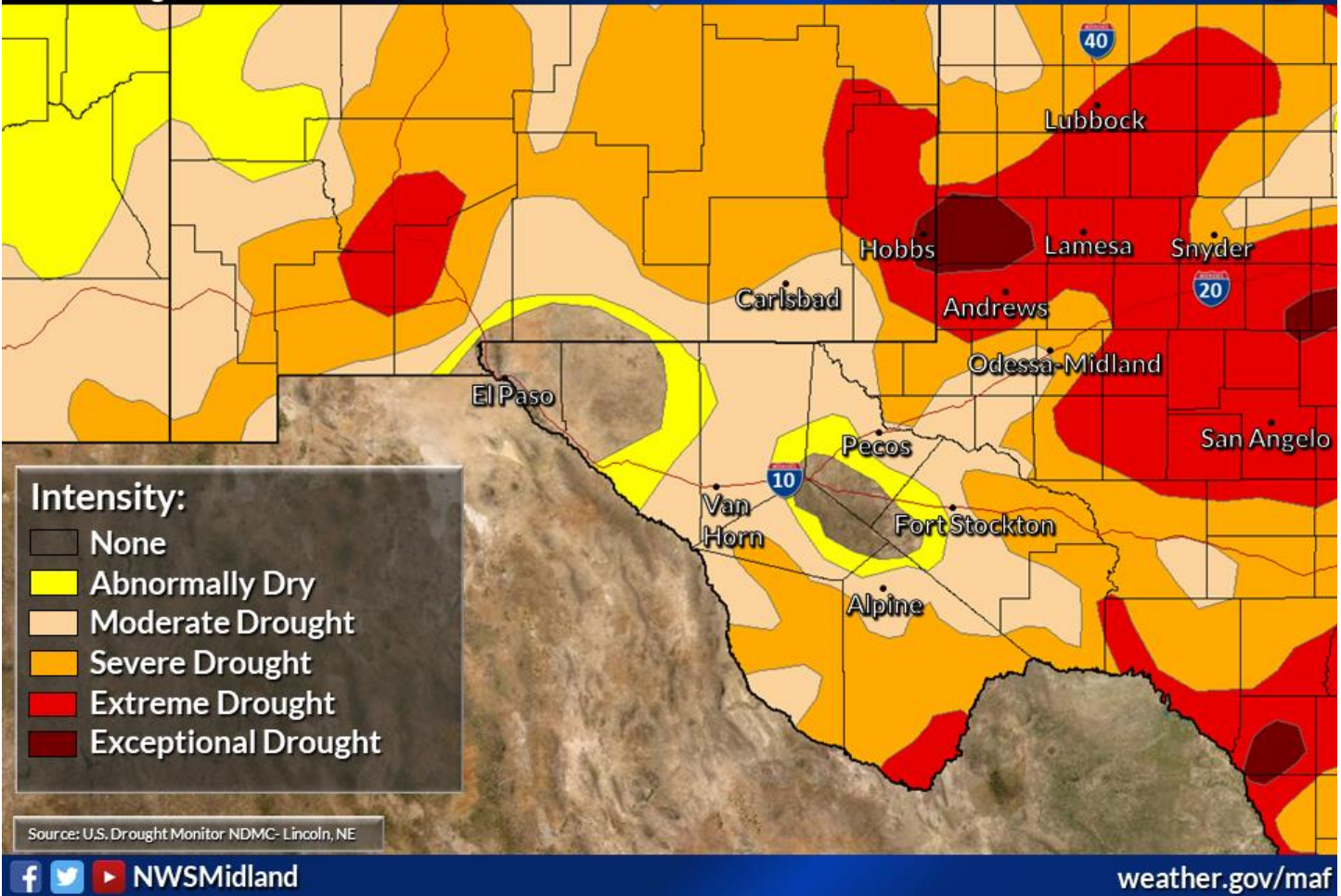
Latest Drought Conditions

Weather Forecast Office
Midland/Odessa, TX



Valid 30 August 2022

Issued September 6, 2022 7:09 PM CT



Reservoir levels across the HSA averaged 50.8% of conservation capacity as of September 1st:

Reservoir (County, State)	September 1 Conserv Cap (%)	August 1 Conserv Cap (%)
JB Thomas (Scurry, TX)	28.1	29.1
Colorado City (Mitchell, TX)	58.7	60.1
Champion Creek (Mitchell, TX)	60.0	61.0
Natural Dam Salt Lake (Howard, TX)	48.5	48.5
Moss Creek (Howard, TX)	66.0	62.0
Brantley (Eddy, NM)	55.0	27.0
Avalon (Eddy, NM)	26.0	25.0
Red Bluff (Reeves, TX)	63.7	63.0

Non-Routine Products Issued for August:

Flash Flood Watches (FFA): 19
 Flash Flood Warnings (FFW): 37
 Flash Flood Statements (FFS): 35
 Flood Advisories/Statements (FLS): 85

Flood Warnings (FLW): 23

Total Non-Routine Products Issued: 199

**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**