

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 2018 SIGNATURE J. DeBerry In Charge of HSA DATE September 15, 2018
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.

August was a good month, hydrologically. Radar rainfall estimates ranged from less than 0.10" in the southern Permian Basin to up to 8" in southern Eddy, Lea, and Mitchell Counties. A few flash flood events were noted, all of them urban.

On August 20th, thunderstorms hit Seagraves in Gaines County, flooding several vehicles. On the 25th, thunderstorms flooded low-lying roadways in Hobbs in Lea County. Roadways were barricaded, but some vehicles were still stranded in up to 3' of water. On August 27th, thunderstorms moved through Odessa in Ector County and Midland in Midland County, flooding numerous roadways and stranding vehicles.

The Rio Grande flooded several times during the first half of the month, but the flooding was flashy and brief, as is typical of the river here in West Texas.

Precipitation amounts from area ASOS's:

City	ASOS ID	August	July
Carlsbad, NM	KCNM	1.07"	3.68"
Fort Stockton	KFST	1.13"	2.45"
Guadalupe Pass	KGDP	1.09"	1.66"
Midland Int'l	KMAF	3.24"	1.86"
Odessa	KODO	3.05"	1.37"
Terrell County	K6R6	2.56"	0.55"
Wink	KINK	0.17"	T

Precipitation amounts from area AWOS's:

City	AWOS ID	August	July
Alpine	KE38	1.28"	3.18"
Andrews County	KE11	1.78"	0.54"
Artesia, NM	KATS	0.76"	0.40"
Big Spring	KBGP	1.58"	0.06"
Gaines County	KGNC	2.33"	1.74"

Hobbs, NM	KHOB	0.87"	0.68"
Marfa	KMRF	1.01"	0.38"
Midland Airpark	KMDD	0.87"	M
Pecos	KPEQ	M	0.66"
Presidio	KPRS	1.62"	0.43"
Snyder	KSNK	M	M

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

Rio Grande Village, Brewster County 3.13"
 Seagraves, Gaines County 3.25"
 Cope Ranch, Reagan County 3.39"
 Welch, Dawson County 4.47"

102 locations reported rainfall for the month of August, for an HSA average of 1.65".

Normal August precipitation for Midland International Air and Space Port is 1.84". Total precipitation for the airport for the year ending September 1st was 8.50", or 1.22" below normal.

Due to continuing abundant rainfall, as of September 6th, in Southeast New Mexico, severe drought covers the northern half of Eddy County, as well as extreme northwest Lea County. The rest of Southeast New Mexico is in moderate to no drought. In West Texas, extreme drought covers most or all of Borden and Howard Counties, and parts of surrounding counties. Areas immediately adjacent to this are in severe drought. The rest of West Texas ranges from moderate to no drought.

Reservoir levels across the HSA averaged 42.8% of conservation capacity as of September 1st:

Reservoir (County, State)	September 1 Conserv Cap (%)	August 1 Conserv Cap (%)
JB Thomas (Scurry, TX)	35.5	37.5
Colorado City (Mitchell, TX)	29.9	31.7
Champion Creek (Mitchell, TX)	48.0	49.6
Moss Creek (Howard, TX)	58.0	62.0
Brantley (Eddy, NM)	27.0	43.0
Avalon (Eddy, NM)	46.0	56.0
Red Bluff (Reeves, TX)	55.2	57.1

Non-Routine Products Issued for August:

Flash Flood Watches (FFA): 0
 Flash Flood Warnings (FFW): 10
 Flash Flood Statements (FFS): 12
 Flood Advisories/Statements (FLS): 88
Flood Warnings (FLW): 5

Total Non-Routine Products Issued: 115

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