

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		REPORT FOR: MONTH	YEAR
		September	2018
TO: Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230 Silver Spring, MD 20910-3283		SIGNATURE	
		J. DeBerry In Charge of HSA	
		DATE October 15, 2018	

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.

September was a wet month, as abundant moisture in West Texas and Southeast New Mexico began colliding with the first few fall cold fronts.

On September 6th, showers and thunderstorms developed in a tropical airmass in Pecos County. Several roads west and south of Fort Stockton were flooded, and at least one high-water rescue was performed.

These showers and storms carried over into the 7th, further north near Coynosa. Roads near there, especially FM 1776, were inundated with up to 2' of runoff. In Midland in Midland County, as well as Odessa in Ector County, over 4" of rain fell in some parts of the cities, with Midland being hit the hardest. Numerous roads were flooded/closed, stalling many vehicles and necessitating high water rescues. Water even got inside a few homes. Elsewhere, road closures were reported near Imperial in Pecos County, as well as the vicinity of Lenorah in Martin County.

On September 21st, thunderstorms flooded roadways and stalled vehicles near Big Lake in Reagan County.

Several other events took place throughout September, but these were in more rural areas, where verification is difficult to come by. The Rio Grande was elevated most of the month, rising in and out of flood.

Precipitation amounts from area ASOS's:

City	ASOS ID	September	August
Carlsbad, NM	KCNM	1.64"	1.07"
Fort Stockton	KFST	2.97"	1.13"
Guadalupe Pass	KGDP	0.68"	1.09"
Midland Int'l	KMAF	2.69"	3.24"
Odessa	KODO	2.45"	3.05"
Terrell County	K6R6	5.35"	2.56"
Wink	KINK	2.94"	0.17"

Precipitation amounts from area AWOS's:

City	AWOS ID	September	August
Alpine	KE38	2.53"	1.28"
Andrews County	KE11	1.79"	1.78"
Artesia, NM	KATS	0.69"	0.76"
Big Spring	KBGP	5.03"	1.58"
Gaines County	KGNC	3.13"	2.33"
Hobbs, NM	KHOB	0.77"	0.87"
Marfa	KMRF	1.93"	1.01"
Midland Airpark	KMDD	1.73"	0.87"
Pecos	KPEQ	2.47"	M
Presidio	KPRS	2.23"	1.62"
Snyder	KSNK	M	M

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

Coyanosa, Pecos County	5.79"
Big Lake, Reagan County	6.64"
Persimmon Gap, Brewster County	7.11"
Chisos Basin Brewster County	9.24"

103 locations reported rainfall for the month of September, for an HSA average of 3.24".

Normal September precipitation for Midland International Air and Space Port is 1.86". Total precipitation for the airport for the year ending October 1st was 11.19", or 0.39" below normal.

Despite continuing abundant rainfall, as of September 27th, in Southeast New Mexico, the drought situation is unchanged. 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, a sliver of extreme drought extends from eastern Borden/western Scurry Counties down into eastern Midland County. This is bordered by a small area of severe drought. Extreme western Culberson County is also in extreme drought. The rest of West Texas ranges from moderate to no drought.

Reservoir levels across the HSA averaged 47.5% of conservation capacity as of October 1st:

Reservoir (County, State)	October 1 Conserv Cap (%)	September 1 Conserv Cap (%)
JB Thomas (Scurry, TX)	35.7	35.5
Colorado City (Mitchell, TX)	29.5	29.9
Champion Creek (Mitchell, TX)	47.6	48.0
Moss Creek (Howard, TX)	80.0	58.0
Brantley (Eddy, NM)	40.0	27.0
Avalon (Eddy, NM)	43.0	46.0
Red Bluff (Reeves, TX)	56.7	55.3

Non-Routine Products Issued for September:

Flash Flood Watches (FFA): 10
Flash Flood Warnings (FFW): 19
Flash Flood Statements (FFS): 18
Flood Advisories/Statements (FLS): 96
Flood Warnings (FLW): 14

Total Non-Routine Products Issued: 157

**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**