

<b>NWS FORM E-5</b> (11-88) (PRES. by NWS Instruction 10-924)	<b>U.S. DEPARTMENT OF COMMERCE</b> <b>NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION</b> <b>NATIONAL WEATHER SERVICE</b>	HYDROLOGIC SERVICE AREA (HSA) <b>WFO Midland, Texas</b>
		REPORT FOR: MONTH <b>September</b> YEAR <b>2017</b> SIGNATURE <b>J. DeBerry</b> In Charge of HSA DATE <b>October 15, 2017</b>
<b>MONTHLY REPORT OF HYDROLOGIC CONDITIONS</b>		
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.

The summertime ridge weakened significantly in September as a series of upper-level troughs dug into the western CONUS and went to work on it. A significant trough developed late in the month, bringing significant rainfall to the HSA. The only flood reports were urban flooding in Midland in Midland County and Odessa in Ector County, as well as roadways in the vicinity. These occurred mainly on September 25<sup>th</sup> and 26<sup>th</sup>.

The Rio Grande and Pecos Rivers also saw elevated activity in September. The Rio Grande was in minor flood much of the month due mainly to extended releases from Luis Leon Reservoir in Mexico.

Precipitation amounts from area ASOS's:

City	ASOS ID	September	August
Carlsbad, NM	CNM	2.91"	4.57"
Fort Stockton	FST	2.24"	1.16"
Guadalupe Pass	GDP	M	3.90"
Midland Int'l	MAF	4.07"	2.52"
Odessa	ODO	4.47"	2.72"
Terrell County	6R6	2.93"	3.28"
Wink	INK	3.04"	4.59"

Precipitation amounts from area AWOS's:

City	AWOS ID	September	August
Alpine	E38	1.41"	1.52"
Artesia, NM	ATS	1.39"	0.86"
Big Spring	BGP	1.87"	1.79"
Gaines County	GNC	1.77"	2.40"
Hobbs	HOB	0.85"	0.82"
Marfa	MRF	0.98"	2.17"
Midland Airpark	MDD	0.67"	1.60"
Pecos	PEQ	2.64"	1.81"

Presidio	PRS	0.73"	1.37"
Snyder	SNK	2.44"	1.77"

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

Fluvanna 3WNW, Borden County	3.65"
Gail, Borden County	3.72"
Lenorah, Martin County	4.02"
Tarzan, Martin County	4.38"

100 locations reported rainfall for the month of September, for an HSA average of 2.36".

Normal September precipitation for Midland International Air and Space Port is 1.86". Total precipitation for the airport for the year ending October 1<sup>st</sup> was 16.81", or 5.23" above normal.

Due to September rain, all of Southeast New Mexico and West Texas remain out of drought.

Reservoir levels across the HSA averaged 54.8% of conservation capacity as of October 1<sup>st</sup>:

Reservoir (County, State)	October 1 Conserv Cap (%)	September 1 Conserv Cap (%)
JB Thomas (Scurry, TX)	53.0	54.2
Colorado City (Mitchell, TX)	43.0	44.0
Champion Creek (Mitchell, TX)	48.9	49.8
Moss Creek (Howard, TX)	71.0	69.0
Brantley (Eddy, NM)	47.0	57.0
Avalon (Eddy, NM)	51.0	41.0
Red Bluff (Reeves, TX)	69.7	69.3

**Non-Routine Products Issued for September:**

Flash Flood Watches (FFA): 11  
Flash Flood Warnings (FFW): 10  
Flash Flood Statements (FFS): 10  
Flood Advisories/Statements (FLS): 45  
Flood Warnings (FLW): 4

**Total Non-Routine Products Issued: 80**

**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**