

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 October YEAR 2015
TO: Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230 Silver Spring, MD 20910-3283	SIGNATURE <p style="text-align: center;">J. DeBerry In Charge of HSA</p>	DATE November 15, 2015

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 first half of October was fairly uneventful, but during the latter half, a major rain event occurred when a cut-off low developed over the southwestern CONUS, and moved into the upper Midwest on October 21st. Severe thunderstorms developed over Southeast New Mexico during the afternoon, then developed into a line and moved through West Texas overnight into the 22nd. The Rio Grande rose to moderate flood stage near Candelaria. In Artesia in Eddy County, curb-to-curb street flooding was reported. Storms then moved into Lea County, prompting 4 high water rescues in Hobbs. On the morning of October 22nd, the line of storms crossed into West Texas. Near Seminole in Gaines County, up to 1' of runoff flooded US Hwy 180 east of town. In Odessa in Ector County, at least 16 residences flooded. At least 30 high/swift water rescues were needed. In Andrews in Andrews County, many roadways and intersections flooded with up to 2' of runoff, necessitating numerous road closures. In Midland in Midland County, numerous roads were barricaded as well, with accompanying high water rescues. Further south in Rankin in Upton County, several roads were rendered impassable due to high water. A manufactured home and RV were uprooted by high water and drifted from where they were moored. Storms then moved into the upper Colorado River valley, where a few roads in the vicinity of Snyder in Scurry County were barricaded due to excess runoff.

Radar and MPE estimates that the highest rainfall fell in the Western Low Rolling Plains and Permian Basin, with highest amounts reported between 2-3", with the highest report of 3.06" by a cooperative observer in Odessa in Ector County. The heaviest rain according to radar fell in a swath from McCamey in Upton County to Colorado City in Mitchell County, where 6-10" estimates were noted.

Precipitation amounts from area ASOS's:

City	ASOS ID	October	September
Carlsbad, NM	CNM	3.38"	3.14"
Fort Stockton	FST	2.87"	1.93"
Guadalupe Pass	GDP	2.87"	2.40"
Midland Int'l	MAF	4.00"	1.77"
Odessa	ODO	3.86"	1.06"
Terrell County	6R6	2.43"	0.00"
Wink	INK	4.55"	2.12"

Precipitation amounts from area AWOS's:

City	AWOS ID	October	September
Alpine	E38	3.34"	0.63"
Artesia, NM	ATS	4.81"	0.76"
Big Spring	BGP	3.48"	0.17"
Gaines County	GNC	4.01"	2.65"
Hobbs	HOB	3.48"	0.15"
Marfa	MRF	4.67"	1.44"
Midland Airpark	MDD	1.11"	M
Pecos	PEQ	2.56"	1.07"
Snyder	SNK	2.53"	0.10"

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

Queen, Eddy County	5.72"
Dark Canyon, Eddy County	5.98"
Mount Locke, Jeff Davis County	6.18"
Caprock, Lea County	7.66"

94 locations reported rainfall for the month of October, for an HSA average of 3.48".

Normal October precipitation for Midland International Air and Space Port is 1.73". Total precipitation for the airport for the year ending November 1st was 19.78", or 6.47" above normal.

Due to recent rains, West Texas and Southeast New Mexico are out of drought again. As of October 27th, Southeast New Mexico was normal. In West Texas, most of Mitchell and Scurry Counties were abnormally dry, as well as portions of the lower Trans Pecos. The rest of West Texas was normal.

Reservoir levels across the HSA averaged 54.2% of conservation capacity as of November 1st.

Reservoir (County, State)	October Conserv Cap (%)	September Conserv Cap (%)
JB Thomas (Scurry, TX)	73.8	74.1
Colorado City (Mitchell, TX)	28.5	28.9
Champion Creek (Mitchell, TX)	22.2	13.0
Natural Dam Salt Lake (Howard, TX)	48.6	48.6
Moss Creek (Howard, TX)	62.0	72.0
Brantley (Eddy, NM)	82.0	50.0
Avalon (Eddy, NM)	27.0	100.0+
Red Bluff (Reeves, TX)	89.3	88.3

Non-Routine Products Issued for October:

Flash Flood Watches (FFA): 18
Flash Flood Warnings (FFW): 27
Flash Flood Statements (FFS): 21
Flood Advisories/Statements (FLS): 55

Flood Warnings (FLW): 9

Total Non-Routine Products Issued: 130

**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**