

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
		October	2013
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 November 15, 2013	

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.

At the beginning of the month, the only portion of West Texas and Southeast New Mexico in extreme drought was Ector and Midland Counties, both of which significant rainfall had missed for months. On October 13th, a shortwave collided with the remnants of a cold front in a very moist airmass over the Permian Basin, resulting in up to 4" or more of rainfall in some locations. Flooding began in Hobbs in Lea County, where several intersections were barricaded with up to 1.5' of inundation. Storms then moved into the central Permian Basin, flooding many locations in Ector and Midland Counties and resulting in numerous road closures and a few high water rescues.

The rest of October was uneventful as the synoptic pattern further transitioned into fall.

Precipitation amounts from area ASOS's:

City	ASOS ID	October	September
Carlsbad, NM	CNM	0.30"	3.67"
Fort Stockton	FST	0.49"	0.84"
Guadalupe Pass	GDP	0.15"	8.52"
Midland Int'l	MAF	1.66"	0.27"
Odessa	ODO	2.37"	1.25"
Terrell County	6R6	0.52"	4.33"
Wink	INK	0.14"	2.65"

Precipitation amounts from area AWOS's:

City	AWOS ID	October	September
Alpine	E38	0.55"	1.73"
Artesia, NM	ATS	0.00"	1.91"
Big Spring	BGP	2.77"	0.99"
Gaines County	GNC	1.44"	0.78"
Hobbs	HOB	0.01"	0.07"
Marfa	MRF	0.52"	2.81"
Midland Airpark	MDD	0.09"	0.51"

Pecos	PEQ	0.25"	0.38"
Snyder	SNK	1.04"	1.16"

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

Cope Ranch, Reagan County	2.65"
St. Lawrence, Glasscock County	3.41"
K-Bar Ranch, Ector County	3.91"
Lees, Glasscock County	4.37"

98 locations reported rainfall for the month of October, for an average of 1.01".

Normal October precipitation for Midland International Airport is 1.73". Total precipitation for Midland International Airport for 2013 ending November 1st was 6.50", or 6.81" below normal.

Drought conditions have remained static over Southeast New Mexico, but improved over West Texas the past month. As of October 29th, in Southeast New Mexico, northwest Eddy County remains in severe drought. The rest of the county, as well as Lea County, ranged from moderate drought to no drought. In West Texas, exceptional and extreme drought has ended, at least for the moment. Pockets of severe drought can be found in the Western Low Rolling Plains, Permian Basin, and extreme lower Trans Pecos. The rest of West Texas ranged from moderate to no drought.

Reservoir levels across the HSA averaged 40.6% of conservation capacity as of November 1st:

Reservoir (County, State)	October Conserv Cap (%)	September Conserv Cap (%)
JB Thomas (Scurry, TX)	1.4	1.5
Colorado City (Mitchell, TX)	27.2	27.9
Champion Creek (Mitchell, TX)	7.5	7.7
Natural Dam Salt Lake (Howard, TX)	48.6	48.6
Moss Creek (Howard, TX)	38.0	29.0
Brantley (Eddy, NM)	64.0	67.0
Avalon (Eddy, NM)	96.0	116.0
Red Bluff (Reeves, TX)	41.9	38.1

Non-Routine Products Issued for October:

Flash Flood Watches (FFA): 10
Flash Flood Warnings (FFW): 6
Flash Flood Statements (FFS): 8
Flood Warnings (FLW): 0
Flood Statements (FLS): 20

Total Non-Routine Products Issued: 44

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