

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
TO: Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230 Silver Spring, MD 20910-3283		REPORT FOR: MONTH October YEAR 2009 SIGNATURE <u>J. DeBerry</u> In Charge of HSA DATE November 15, 2009

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 month of October was relatively quiet, hydrologically speaking. Only one major event was noted.

On October 7th, a HP supercell developed in Mexico and moved into Brewster County, flash flooding Terlingua Creek with a flood wave of over 4'. Portions of Big Bend National Park flash flooded as well, and several roads flooded with up to 2.5' of runoff, and were barricaded. Later that evening, a flood wave moved down the Rio Grande. At Castolon, flood stage was briefly reached for 47 minutes. Q2 precipitation estimates indicate up to nearly 3.5" of rain fell in some locations from this event.

Precipitation amounts from area ASOS:

City	ASOS ID	October	September
Carlsbad, NM	CNM	1.28"	0.11"
Fort Stockton	FST	1.45"	1.20"
Guadalupe Pass	GDP	0.86"	0.90"
Midland Int'l	MAF	0.96"	2.47"
Odessa	ODO	0.71"	2.29"
Terrell County	6R6	1.44"	0.37"
Wink	INK	0.45"	0.34"

Precipitation amounts from area AWOS:

City	ASOS ID	October	September
Alpine	E38	1.03"	1.00"
Artesia, NM	ATS	0.82"	0.30"
Big Spring	BGP	0.84"	0.52"
Gaines County	GNC	0.50"	1.10"
Marfa	MRF	1.10"	0.85"
Midland Airpark	MDD	0.64"	0.56"
Pecos	PEQ	0.00"	0.00"
Snyder	SNK	1.04"	0.54"

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

Valentine, Jeff Davis County 2.98"
Caprock, Lea County 3.00"
Big Lake, Reagan County 3.69"
Maljamar, Lea County 6.77"

99 locations reported rainfall for the month of October, for an average of 1.36".

Normal October precipitation for Midland International Airport is 1.77". Total precipitation for Midland International Airport for the year ending November 1st was 13.99", or 0.49" above normal.

Due to October's benign rainfall, most of the Western Low Rolling Plains and Northern Permian Basin are now abnormally dry. Southeast New Mexico has improved, with only extreme western Eddy County abnormally dry. Otherwise, the rest of the the HSA remains out of drought.

Reservoir levels across the HSA averaged 35% of conservation capacity at the end of October.

Reservoir (County, State)	October Conserv Cap (%)	September Conserv Cap (%)
JB Thomas (Scurry, TX)	5	6
Colorado City (Mitchell, TX)	60	60
Champion Creek (Mitchell, TX)	21	21
Natural Dam Salt Lake (Howard, TX)	49	49
Moss Creek (Howard, TX)	71	67
Brantley (Eddy, NM)	M	41
Avalon (Eddy, NM)	19	28
Red Bluff (Reeves, TX)	22	22

Non-Routine Products Issued for October:

Flash Flood Watches (FFA): 0
Flash Flood Warnings (FFW): 1
Flash Flood Statements (FFS): 1
Flood Warnings (FLW): 0
Flood Statements (FLS): 11

Total Non-Routine Products Issued: 13

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