

**WFO Midland, Texas**

**MONTHLY REPORT OF HYDROLOGIC CONDITIONS**

REPORT FOR:

MONTH

**September**

YEAR

**2012**

SIGNATURE

**J. DeBerry**

In Charge of HSA

DATE

**October 15, 2012**

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.

Rainfall prospects continued to improve during September, with the transition from ENSO-neutral conditions to El Nino. In particular, near the end of the month, a strong upper level trough swept through Southeast New Mexico and West Texas, simultaneously entraining tropical moisture from T. S. Miriam moving up the coast of Baja. On September 28, heavy rains came to West Texas. Numerous road closures and water rescues were reported in Midland in Midland County due to flash flooding, then later in Big Spring in Howard County and near Westbrook in Mitchell County. Beals Creek south of Westbrook briefly rose into flood stage. Further south, the Rio Grande rose into flood near and in Presidio. Midland International Airport recorded 4.66" of rainfall on the 28<sup>th</sup>. This broke both the daily record and daily record for the month of September. This was the 3<sup>rd</sup> wettest day ever on record for Midland. These storms later flash-flooded portions of the Stockton Plateau. Near Fort Stockton in Pecos County, vehicles were stranded with runoff reaching headlights, necessitating water rescues.

Precipitation amounts from area ASOS's:

City	ASOS ID	September	August
Carlsbad, NM	CNM	3.01"	1.75"
Fort Stockton	FST	3.23"	2.31"
Guadalupe Pass	GDP	0.68"	1.25"
Midland Int'l	MAF	5.89"	0.75"
Odessa	ODO	5.78"	0.18"
Terrell County	6R6	1.60"	1.11"
Wink	INK	2.53"	0.70"

Precipitation amounts from area AWOS's:

City	ASOS ID	September	August
Alpine	E38	3.14"	2.50"
Artesia, NM	ATS	1.32"	0.38"
Big Spring	BGP	5.56"	0.45"
Gaines County	GNC	2.10"	0.60"
Marfa	MRF	3.22(E)	M

Midland Airpark	MDD	4.61"	0.71"
Pecos	PEQ	1.31"	1.24"
Snyder	SNK	4.69"	1.09"

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

Crane, Crane County	4.93"
Saint Lawrence, Glasscock County	5.25"
Lees, Glasscock County	6.11"
Coyanosa, Pecos County	6.20"

111 locations reported rainfall for the month of September, for an average of 3.06".

Normal September precipitation for Midland International Airport is 2.31". Total precipitation for Midland International Airport for the year ending October 1<sup>st</sup> was 12.60", or 1.02" above normal.

Drought conditions changed little during September, except for the heavy rainfall event near the end of the month. As of September 25<sup>th</sup>, in Southeast New Mexico, only extreme northern in Eddy and Lea Counties were in extreme drought. Most of the rest was in severe drought, and even the extreme southern portions of both counties were in moderate drought. In West Texas, only a small portion of south-southwest Jeff Davis County was in extreme drought. The rest of the West Texas ranged from severe drought to no drought.

Reservoir levels across the HSA averaged 26% of conservation capacity as of October 1<sup>st</sup>:

Reservoir (County, State)	September Conserv Cap (%)	August Conserv Cap (%)
JB Thomas (Scurry, TX)	1	1
Colorado City (Mitchell, TX)	35	26
Champion Creek (Mitchell, TX)	12	10
Natural Dam Salt Lake (Howard, TX)	49	49
Moss Creek (Howard, TX)	57	38
Brantley (Eddy, NM)	7	12
Avalon (Eddy, NM)	33	38
Red Bluff (Reeves, TX)	13	13

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

Flash Flood Watches (FFA): 6  
Flash Flood Warnings (FFW): 16  
Flash Flood Statements (FFS): 15  
Flood Warnings (FLW): 5  
Flood Statements (FLS): 43

**Total Non-Routine Products Issued: 85**

**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**