

**WFO Midland, Texas**

**MONTHLY REPORT OF HYDROLOGIC CONDITIONS**

REPORT FOR:

MONTH

**January**

YEAR

**2010**

SIGNATURE

**J. DeBerry**

In Charge of HSA

DATE

**February 15, 2010**

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.

January was relatively quiet, hydrologically, except for one event near the end of the month.

Early on January 28, a cold front and upper level trough interacted with an unusually moist airmass to bring thunderstorms, snow, sleet, and freezing rain to the HSA. As the initial line of convection moved through the Ector and Midland Counties, flash flooding developed quickly in both Odessa and Midland. Vehicles stalled in Odessa, necessitating high water rescues. In Midland, streets quickly flooded, and some storm sewer systems blew manhole covers off of their foundations. Midland International Airport recorded 1.45 inches of rainfall, a daily record for the 28<sup>th</sup>, and the second highest daily precipitation for January on record.

Precipitation amounts from area ASOS:

City	ASOS ID	January	December
Carlsbad, NM	CNM	0.84"	1.18"
Fort Stockton	FST	1.07"	0.37"
Guadalupe Pass	GDP	1.41"	0.28"
Midland Int'l	MAF	1.64"	0.83"
Odessa	ODO	1.76"	0.48"
Terrell County	6R6	1.88"	0.43"
Wink	INK	0.92"	0.33"

Precipitation amounts from area AWOS:

City	ASOS ID	January	December
Alpine	E38	0.93"	0.22"
Artesia, NM	ATS	0.19"	0.56"
Big Spring	BGP	0.67"	0.78"
Gaines County	GNC	1.13"	0.61"
Marfa	MRF	0.95"	0.10"
Midland Airpark	MDD	1.18"	0.34"
Pecos	PEQ	M	M
Snyder	SNK	0.81"	1.22"

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

Valentine 10WSW, Presidio County	2.50"
Hobbs, Lea County	2.61"
Big Lake, Reagan County	2.72"
The Pinery, Guadalupe Mountains National Park, Culberson County	2.94"

98 locations reported rainfall for the month of January, for an average of 1.26".

Normal January precipitation for Midland International Airport is 0.53". Total precipitation for Midland International Airport for the year ending February 1<sup>st</sup> was 1.64", or 1.11" above normal.

Due to January's rainfall, most of Southeast New Mexico remains abnormally dry, except for the northern half of Lea County, which is out of drought. Most other areas of the HSA also remain abnormally dry. The exceptions are Brewster, Glasscock, Martin, Midland, Mitchell, Pecos, Reagan, and Upton Counties, all of which remain out of drought.

Reservoir levels across the HSA averaged 44% of conservation capacity at the end of January.

<b>Reservoir (County, State)</b>	<b>January Conserv Cap (%)</b>	<b>December Conserv Cap (%)</b>
JB Thomas (Scurry, TX)	5	5
Colorado City (Mitchell, TX)	58	56
Champion Creek (Mitchell, TX)	21	18
Natural Dam Salt Lake (Howard, TX)	49	49
Moss Creek (Howard, TX)	84	83
Brantley (Eddy, NM)	48	39
Avalon (Eddy, NM)	63	52
Red Bluff (Reeves, TX)	24	23

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

Flash Flood Watches (FFA): 0  
Flash Flood Warnings (FFW): 1  
Flash Flood Statements (FFS): 3  
Flood Warnings (FLW): 0  
Flood Statements (FLS): 7

**Total Non-Routine Products Issued: 11**

**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**