

**WFO Midland, Texas**

**MONTHLY REPORT OF HYDROLOGIC CONDITIONS**

REPORT FOR:

MONTH

**May**

YEAR

**2010**

SIGNATURE

**J. DeBerry**

In Charge of HSA

DATE

**June 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.

On May 14<sup>th</sup>, with a very moist, unstable atmosphere in place, a stationary front lined up roughly parallel to Interstate 20 in West Texas, where a line of training thunderstorms formed, spawning a rash of tornadoes and hailstorms, before quickly evolving into a flash flood event. Flash flooding occurred along I-20 from Ector to Howard Counties. Midland County was hit hardest, with widespread flash flooding, submerged vehicles, and high water rescues reported in and around the city of Midland. Unfortunately, one motorist drowned when the vehicle she was driving was swept away in flood waters on Scharbauer Drive.

On the 17<sup>th</sup>, widespread thunderstorms developed over Southeast New Mexico and West Texas. Most produced large hail, but one flash flooded roads south of Hope in northwest Eddy County with 3-4' of runoff. Several acres of alfalfa crops were also washed out.

Precipitation amounts from area ASOS:

City	ASOS ID	May	April
Carlsbad, NM	CNM	0.98"	0.61"
Fort Stockton	FST	0.02"	1.34"
Guadalupe Pass	GDP	0.01"	1.04"
Midland Int'l	MAF	1.65"	2.03"
Odessa	ODO	0.82"	1.03"
Terrell County	6R6	1.38"	0.82"
Wink	INK	0.11"	0.16"

Precipitation amounts from area AWOS:

City	ASOS ID	May	April
Alpine	E38	0.78"	0.81"
Artesia, NM	ATS	0.22"	0.19"
Big Spring	BGP	1.28"	3.36"
Gaines County	GNC	0.13"	0.77"
Marfa	MRF	0.41"	0.37"

Midland Airpark	MDD	0.55"	0.43"
Pecos	PEQ	0.04"	0.01"
Snyder	SNK	1.24"	2.42"

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

West Corazones, Brewster County 2.59"  
Sanderson, Terrell County 2.81"  
Lees, Glasscock County 2.98"  
K-Bar Ranch, Ector County 3.96"

104 locations reported rainfall for the month of May, for an average of 0.86".

Normal May precipitation for Midland International Airport is 1.79". Total precipitation for Midland International Airport for the year ending June 1<sup>st</sup> was 7.77", or 3.72" above normal.

Due to May's rainfall, all of the HSA remains out of drought.

Reservoir levels across the HSA averaged 40% of conservation capacity at the end of May.

Reservoir (County, State)	May Conserv Cap (%)	April Conserv Cap (%)
JB Thomas (Scurry, TX)	8	8
Colorado City (Mitchell, TX)	58	56
Champion Creek (Mitchell, TX)	21	19
Natural Dam Salt Lake (Howard, TX)	49	49
Moss Creek (Howard, TX)	84	84
Brantley (Eddy, NM)	58	74
Avalon (Eddy, NM)	21	24
Red Bluff (Reeves, TX)	21	24

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

Flash Flood Watches (FFA): 5  
Flash Flood Warnings (FFW): 10  
Flash Flood Statements (FFS): 10  
Flood Warnings (FLW): 0  
Flood Statements (FLS): 25

**Total Non-Routine Products Issued: 50**

**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**