

WFO Midland, Texas

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:
 MONTH **April** YEAR **2010**

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
May 15, 2010

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 April 12th, the first flash flood event of the spring began when thunderstorms moved through the Guadalupe Mountains, producing over 3" of rainfall in some locations and flooding low water crossings near Pine Springs in Culberson County. Flash flooding also pushed 3' boulders onto NM State Hwy 137 for 100 yards near Dog Canyon in Guadalupe Mountains National Park.

On the 13th, thunderstorms developed further south on both sides of the Rio Grande, causing river rises overnight. Flash flooding occurred on Alamito Creek.

On April 14th, an upper level disturbance spawned thunderstorms again on the Rio Grande, pushing Candelaria (CDET2) into flood stage during the afternoon. Later that evening, the disturbance moved into the eastern half of the HSA, flash flooding the Terlingua Creek watershed with a 5' flood wave.

Heavy rainfall moved north on the 15th, flash flooding roads in Midland County at times. Other locations in the Permian Basin and Western Low Rolling Plains also received heavy rainfall, with 3-4+'' of rainfall reported in some locations.

Precipitation amounts from area ASOS:

City	ASOS ID	April	March
Carlsbad, NM	CNM	0.61"	0.33"
Fort Stockton	FST	1.34"	0.18"
Guadalupe Pass	GDP	1.04"	0.13"
Midland Int'l	MAF	2.03"	0.59"
Odessa	ODO	1.03"	0.48"
Terrell County	6R6	0.82"	0.04"
Wink	INK	0.16"	0.24"

Precipitation amounts from area AWOS:

City	ASOS ID	April	March
Alpine	E38	0.81"	0.01"
Artesia, NM	ATS	0.19"	0.17"

Big Spring	BGP	3.36"	0.81"
Gaines County	GNC	0.77"	0.49"
Marfa	MRF	0.37"	0.00"
Midland Airpark	MDD	0.43"	0.10"
Pecos	PEQ	0.01"	0.01"
Snyder	SNK	2.42"	0.78"

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

Dog Canyon, Culbersonl County 5.25"
 Gail, Borden County 5.33"
 Fluvanna, Scurry County 5.36"
 Lees, Glasscock County 6.06"

102 locations reported rainfall for the month of April, for an average of 2.36".

Normal April precipitation for Midland International Airport is 0.73". Total precipitation for Midland International Airport for the year ending May 1st was 6.12", or 3.86" above normal.

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

Reservoir levels across the HSA averaged 42% of conservation capacity at the end of April.

Reservoir (County, State)	April Conserv Cap (%)	March Conserv Cap (%)
JB Thomas (Scurry, TX)	8	5
Colorado City (Mitchell, TX)	56	58
Champion Creek (Mitchell, TX)	19	21
Natural Dam Salt Lake (Howard, TX)	49	49
Moss Creek (Howard, TX)	84	84
Brantley (Eddy, NM)	74	81
Avalon (Eddy, NM)	24	73
Red Bluff (Reeves, TX)	24	25

Non-Routine Products Issued for April:

Flash Flood Watches (FFA): 2
 Flash Flood Warnings (FFW): 5
 Flash Flood Statements (FFS): 6
 Flood Warnings (FLW): 4
Flood Statements (FLS): 37

Total Non-Routine Products Issued: 54

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