

WFO Midland, Texas

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

September

YEAR

2010

SIGNATURE

J. DeBerry

In Charge of HSA

DATE

October 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 September 23rd, intense thunderstorms near Candelaria in Presidio County briefly brought the river to above flood stage on an otherwise-elevated Rio Grande. Further north, thunderstorms in Eddy County flooded Dark Canyon and portions of Carlsbad.

On the 25th, elevated flows on the Rio Grande and Rio Conchos brought the river into flood at the Presidio International Bridge in Presidio in Presidio County. Later that day, convection developed along a cold front extending into the Western Low Rolling Plains and Permian Basin. Roads flooded near Colorado City in Mitchell County, and later in and around Midland in Midland County.

On September 26th, Candelaria again briefly spiked above flood stage due to heavy, localized thunderstorms.

Reservoir releases from Luis Leon in Mexico maintained elevated flows on the Rio Grande from the Rio Conchos confluence downstream, and will continue into October.

Precipitation amounts from area ASOS:

City	ASOS ID	September	August
Carlsbad, NM	CNM	3.74"	0.66"
Fort Stockton	FST	0.98"	4.20"
Guadalupe Pass	GDP	2.03"	1.04"
Midland Int'l	MAF	2.35"	0.44"
Odessa	ODO	0.72"	1.35"
Terrell County	6R6	0.64"	0.05"
Wink	INK	0.38"	1.59"

Precipitation amounts from area AWOS:

City	ASOS ID	September	August
Alpine	E38	0.70"	0.91"
Artesia, NM	ATS	0.92"	0.23"
Big Spring	BGP	0.69"	0.31"

Gaines County	GNC	0.98"	0.48"
Marfa	MRF	1.64"	2.09"
Midland Airpark	MDD	0.58"	0.26"
Pecos	PEQ	0.74"	2.27"
Snyder	SNK	4.53"	0.67"

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

Lamesa, Dawson County	5.49"
Carlsbad Cavern National Park, Eddy County	6.64"
Batdraw, Eddy County	6.68"
Dark Canyon, Eddy County	7.05"

102 locations reported rainfall for the month of September, for an average of 2.20".

Normal September precipitation for Midland International Airport is 2.31". Total precipitation for Midland International Airport for the year ending October 1st was 16.38", or 4.65" above normal.

Despite September's meager rainfall, all of the HSA remains out of drought. However, abnormally dry conditions have crept into most of Lea County, as well as the Lower Trans Pecos and Big Bend region.

Reservoir levels across the HSA averaged 34% of conservation capacity at the end of September.

Reservoir (County, State)	September Conserv Cap (%)	August Conserv Cap (%)
JB Thomas (Scurry, TX)	7	7
Colorado City (Mitchell, TX)	53	53
Champion Creek (Mitchell, TX)	20	19
Natural Dam Salt Lake (Howard, TX)	49	49
Moss Creek (Howard, TX)	43	58
Brantley (Eddy, NM)	49	39
Avalon (Eddy, NM)	31	31
Red Bluff (Reeves, TX)	18	17

Non-Routine Products Issued for September:

Flash Flood Watches (FFA): 13
Flash Flood Warnings (FFW): 10
Flash Flood Statements (FFS): 12
Flood Warnings (FLW): 4
Flood Statements (FLS): 45

Total Non-Routine Products Issued: 84

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