

WFO Midland, Texas

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

YEAR

October

2012

SIGNATURE

J. DeBerry

In Charge of HSA

DATE

November 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.

On October 12th, an upper level trough and associated Pacific cold front moved through the region, resulting in strong convection in the Big Bend area. Thunderstorms developed in Mexico and moved over the Rio Grande near Lajitas. Thunderstorms then trained down river for several hours, producing several inches of rainfall near the river. This resulted in quick rises on the river, pushing the Rio Grande at Castolon into flood stage twice overnight.

Otherwise, October's synoptic pattern was not favorable for notable hydrologic events.

Precipitation amounts from area ASOS's:

City	ASOS ID	October	September
Carlsbad, NM	CNM	T	3.01"
Fort Stockton	FST	0.29"	3.23"
Guadalupe Pass	GDP	0.11"	0.68"
Midland Int'l	MAF	0.12"	5.89"
Odessa	ODO	0.10"	5.78"
Terrell County	6R6	0.44"	1.60"
Wink	INK	0.39"	2.53"

Precipitation amounts from area AWOS's:

City	ASOS ID	October	September
Alpine	E38	0.41"	3.14"
Artesia, NM	ATS	0.00"	1.32"
Big Spring	BGP	0.31"	5.56"
Gaines County	GNC	0.03"	2.10"
Marfa	MRF	0.08"	3.22(E)
Midland Airpark	MDD	0.16"	4.61"
Pecos	PEQ	0.00"	1.31"
Snyder	SNK	0.88"	4.69"

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

Big Bend Ranch State Park Headquarters, Presidio County	1.89"
McCamey, Upton County	2.04"
Valentine, Jeff Davis County	2.21"
Castolon, Brewster County	2.58"

113 locations reported rainfall for the month of October, for an average of 0.40".

Normal October precipitation for Midland International Airport is 1.77". Total precipitation for Midland International Airport for the year ending November 1st was 12.72", or 0.59" below normal.

Drought conditions changed little during October, except for the heavy rainfall event near the end of the month. As of October 30th, in Southeast New Mexico, only northwest Lea County was in extreme drought. Most of the rest was in severe drought, and even the southeast/southern portions of both counties were in moderate drought or abnormally dry. In West Texas, only extreme eastern Scurry County was in extreme drought. The rest of the West Texas ranged from severe drought to no drought at all.

Reservoir levels across the HSA averaged 28% of conservation capacity as of November 1st:

Reservoir (County, State)	October Conserv Cap (%)	September Conserv Cap (%)
JB Thomas (Scurry, TX)	1	1
Colorado City (Mitchell, TX)	38	35
Champion Creek (Mitchell, TX)	12	12
Natural Dam Salt Lake (Howard, TX)	49	49
Moss Creek (Howard, TX)	58	57
Brantley (Eddy, NM)	8	7
Avalon (Eddy, NM)	41	33
Red Bluff (Reeves, TX)	13	13

Non-Routine Products Issued for October:

Flash Flood Watches (FFA): 0
Flash Flood Warnings (FFW): 0
Flash Flood Statements (FFS): 0
Flood Warnings (FLW): 2
Flood Statements (FLS): 7

Total Non-Routine Products Issued: 9

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