

WFO Midland, Texas

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

YEAR

August

2012

SIGNATURE

J. DeBerry

In Charge of HSA

DATE

September 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.

August was characterized by multiple rainfall events as the summer ridge began to break down. Convection was generally none-severe, and very little flooding occurred, neither flash flood or river.

On August 27th, the Rio Grande at Candelaria briefly spiked into minor flood stage for 37 minutes due to intense rainfall from a locally-situated thunderstorm.

Precipitation amounts from area ASOS's:

City	ASOS ID	August	July
Carlsbad, NM	CNM	1.75"	2.60"
Fort Stockton	FST	2.31"	1.87"
Guadalupe Pass	GDP	1.25"	2.15"
Midland Int'l	MAF	0.75"	1.30"
Odessa	ODO	0.18"	0.07"
Terrell County	6R6	1.11"	1.49"
Wink	INK	0.70"	1.05"

Precipitation amounts from area AWOS's:

City	ASOS ID	August	July
Alpine	E38	2.50"	5.48"
Artesia, NM	ATS	0.38"	1.76"
Big Spring	BGP	0.45"	1.20"
Gaines County	GNC	0.60"	0.21"
Marfa	MRF	M	1.58"
Midland Airpark	MDD	0.71"	1.01"
Pecos	PEQ	1.24"	2.55"
Snyder	SNK	1.09"	0.34"

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

Persimmon Gap, Brewster County 3.50"
 Crane, Crane County 3.53"
 Dog Canyon, Culberson County 3.70"
 Mount Locke, Jeff Davis County 3.80"

110 locations reported rainfall for the month of August, for an average of 1.32".

Normal August precipitation for Midland International Airport is 1.77". Total precipitation for Midland International Airport for the year ending September 1st was 6.71", or 3.01" below normal.

Multiple rainfall events during August, with only modest amounts of rainfall, as opposed to one or two heavy rainfall events, went a long way in improving drought conditions. As of August 28th, in Southeast New Mexico, only extreme northern Eddy and Lea Counties were in extreme drought. Most of the rest of the counties were in severe drought, and even the extreme southern portions of both counties were in moderate drought. In West Texas, only a small portion of south-southwest Jeff Davis County was in extreme drought. The rest of the West Texas ranged from severe drought to abnormally dry.

Reservoir levels across the HSA averaged 23% of conservation capacity as of September 1st:

Reservoir (County, State)	August Conserv Cap (%)	July Conserv Cap (%)
JB Thomas (Scurry, TX)	1	1
Colorado City (Mitchell, TX)	26	30
Champion Creek (Mitchell, TX)	10	12
Natural Dam Salt Lake (Howard, TX)	49	49
Moss Creek (Howard, TX)	38	41
Brantley (Eddy, NM)	12	15
Avalon (Eddy, NM)	38	38
Red Bluff (Reeves, TX)	13	12

Non-Routine Products Issued for August:

Flash Flood Watches (FFA): 0
 Flash Flood Warnings (FFW): 2
 Flash Flood Statements (FFS): 2
 Flood Warnings (FLW): 0
Flood Statements (FLS): 20

Total Non-Routine Products Issued: 24

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