

<b>NWS FORM E-5</b> (11-88) (PRES. by NWS Instruction 10-924)	<b>U.S. DEPARTMENT OF COMMERCE</b> <b>NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION</b> <b>NATIONAL WEATHER SERVICE</b>	HYDROLOGIC SERVICE AREA (HSA)	
		<b>WFO Midland, Texas</b>	
<b>MONTHLY REPORT OF HYDROLOGIC CONDITIONS</b>		REPORT FOR: MONTH	YEAR
		<b>August</b>	<b>2014</b>
TO: Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230 Silver Spring, MD 20910-3283		SIGNATURE	
		<b>J. DeBerry</b> In Charge of HSA	
		DATE <b>September 15, 2014</b>	

*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 fairly uneventful, under the dominance of the upper ridge. However, a few events were noted.

On August 2<sup>nd</sup>, thunderstorms developed in the vicinity of Candelaria (CDET2), briefly pushing the Rio Grande there into minor flood stage.

Thunderstorms developed upstream of Presidio on the afternoon of the 7<sup>th</sup>, briefly spiking the river barely into flood stage at Presidio 6WNW (PIOT2). It is not uncommon to have brief flood spike such as this in the Presidio Valley this time of year due to localized heavy rainfall.

On the evening of August 11<sup>th</sup>, thunderstorms again developed in the vicinity of Candelaria (CDET2), pushing the Rio Grande there into minor flood stage a couple of times overnight.

On the afternoon and evening of the 24<sup>th</sup>, widespread unorganized thunderstorms developed across West Texas and Southeast New Mexico. Heavy rainfall from one cell just east of Midland in Midland County resulted minor flooding on FM 307.

Precipitation amounts from area ASOS's:

City	ASOS ID	August	July
Carlsbad, NM	CNM	0.03"	0.63"
Fort Stockton	FST	2.17"	0.22"
Guadalupe Pass	GDP	1.00"	1.89"
Midland Int'l	MAF	0.77"	0.33"
Odessa	ODO	0.97"	0.68"
Terrell County	6R6	0.70"	0.07"
Wink	INK	0.29"	0.23"

Precipitation amounts from area AWOS's:

City	AWOS ID	August	July
Alpine	E38	2.74"	1.58"
Artesia, NM	ATS	0.28"(E)	0.57"

Big Spring	BGP	2.08"	0.11"
Gaines County	GNC	0.30"	0.41"
Hobbs	HOB	0.21"	0.05"
Marfa	MRF	2.19"	1.46"
Midland Airpark	MDD	0.27"	0.09"
Pecos	PEQ	0.21"	1.34"
Snyder	SNK	0.40"	0.86"

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

Panther Junction, Brewster County	3.24"
Presidio, Presidio County	3.50"
Mount Locke, Jeff Davis County	3.51"
Valentine 10WSW, Presidio County	5.38"

92 locations reported rainfall for the month of August, for an average of 1.51".

Normal August precipitation for Midland International Airport is 1.84". Total precipitation for Midland International Airport for 2014 ending September 1<sup>st</sup> was 4.74", or 4.99" below normal.

Drought conditions improved slightly in Southeast new Mexico in August, but continued to deteriorate in West Texas. As of August 26<sup>th</sup>, in Southeast New Mexico, northwest Eddy and northeast Lea Counties remained in severe drought. The rest of Southeast New Mexico ranged from moderate drought to abnormally dry. In West Texas, extreme drought continued to develop into the upper Colorado River valley, as well as other parts of the Western Low Rolling Plains. Extreme drought was also encroaching south into Ector and Midland Counties. Most of the rest of West Texas ranged from severe drought to abnormally dry. A swath of West Texas from Alpine to Big Lake was temporarily out of drought.

Reservoir levels across the HSA averaged 41.4% of conservation capacity as of September 1<sup>st</sup>:

<b>Reservoir (County, State)</b>	<b>August Conserv Cap (%)</b>	<b>July Conserv Cap (%)</b>
JB Thomas (Scurry, TX)	0.9	1.1
Colorado City (Mitchell, TX)	23.4	24.6
Champion Creek (Mitchell, TX)	6.1	6.8
Natural Dam Salt Lake (Howard, TX)	48.6	48.6
Moss Creek (Howard, TX)	75.0	82.0
Brantley (Eddy, NM)	93.0	87.0
Avalon (Eddy, NM)	33.0	36.0
Red Bluff (Reeves, TX)	51.4	51.2

#### **Non-Routine Products Issued for August:**

Flash Flood Watches (FFA): 5  
Flash Flood Warnings (FFW): 0  
Flash Flood Statements (FFS): 0

Flood Warnings (FLW): 1

Flood Advisories/Statements (FLS): 43

**Total Non-Routine Products Issued: 49**

**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**