

NWS FORM E-5 (11-88) (PRES. by NWS Instruction 10-924)	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE	HYDROLOGIC SERVICE AREA (HSA)	
		Midland, Texas	
MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS		REPORT FOR:	YEAR
		MONTH August	2004
TO: Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230 Silver Spring, MD 20910-3283		SIGNATURE	
		_____ Doug Cain In Charge of HSA	
		D9TE 09/01/04	

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)

7 flood stages were reached in this HSA in August.

The pseudo-monsoon season continued through August, which normally would be relatively mundane weather under a broad ridge of high pressure. However, a few events were noted.

On the night of August 6-7, a mesoscale convective complex developed and moved through the northeast Permian Basin and Western Low Rolling Plains. Some streets in Snyder in Scurry County were barricaded due to high water.

On the evening of the 7th, thunderstorms developed over Eddy County, flooding portions of County Road 408 in the upper reaches of Dark Canyon. Overnight, a second mesoscale convective system (MCS) developed, moving southeast over the Permian Basin and Western Low Rolling Plains. Portions of FM 350 in northwest Mitchell County flooded.

On the evening of the 8th, another MCS developed, this time further south over the Big Bend region. Flash flooding was reported over St. Hwy 118 between Fort Davis and Alpine in northern Brewster County.

An MCS developed over Eddy County on the evening of the 12th. Widespread street flooding was observed in Artesia and Carlsbad. St. Hwy 137 northwest of Carlsbad was rendered impassable.

On August 14th, thunderstorms developed over Alpine, flooding Alpine Creek and low water crossings along the creek. The flood even washed away barricades that local law enforcement officials had erected. A local COOP observer, who's lived in Alpine since the 1970s, reported that it was the highest he had ever seen it. Several residences along the creek were evacuated. Moss Creek bridge on Cemetery Road south of Alpine was overtopped. These storms then moved into Pecos County, flooding portions of FM 1053 north of Fort Stockton. Meanwhile, a complex of thunderstorms developed over the Rio Conchos basin and the Rio Grande near Candelaria overnight into the 15th. This elevated river levels, briefly taking Candelaria (CDET2) into flood overnight. The Rio Grande downstream of Presidio (PRDT2) reached flood stage the next day, as well as 5 other times through August 23rd. No damage was reported in any of these events. See accompanying E-3 for further details.

On the 17th, thunderstorms developed over the Davis Mountains, flash flooding portions of Fort Davis in Jeff Davis County. Storms then developed north into Reeves County, flooding portions of Pecos.

On August 18th, thunderstorms developed over the Permian Basin and Western Low Rolling Plains. Street flooding was reported in Colorado City in Mitchell County. Portions of CR 426 and FM 644 also flooded completely. In northern Martin County, St. Hwy 349 flooded south of Patricia. FM 829 also flooded in places.

Thunderstorms developed again on the 21st, and first flash flooded portions of FM 33 and St. Hwy 137 in Reagan County. In Andrews County, widespread street flooding was reported in Andrews, and a few residences there flooded, as well. In Upton County, portions of FM 1901 were nearly impassable. In Martin County, up to 2' of runoff flooded portions of the access roads to I-20. Finally, thunderstorms moved through Midland County, resulting in minor street flooding in Midland.

On August 30th, thunderstorms developed over Crane County, flash flooding US 385 with up to 1' of runoff north of Crane.

To close out the month, on the 31st thunderstorms continued over the Stockton Plateau. Stationary storms rained up to 5" over Fort Stockton in Pecos County, prompting widespread street closures and high water rescues in south Fort Stockton. US Hwy 385 south of the city was also closed, as well as portions of 385 north of Crane in Crane County. This activity developed north into Andrews County during the afternoon, flooding numerous city streets in Andrews with up to 2' of runoff. St Hwy 176 east of Andrews was also closed due to high water. The last event of the evening occurred when thunderstorms developed into Lea County, and flooded St. Hwy 128 west of Jal.

Midland International Airport received 0.77" of precipitation for the month. Normal for the month of August is 1.77". Total for the year is 8.65", 065" below normal.

Due to the abundant rainfall for August, drought conditions over the HSA have improved significantly. Conditions are near normal everywhere. This is likely only temporary, however.

Reservoir levels across the HSA are averaging 37% of conservation capacity, around 8% lower than in July. Champion Creek Reservoir remains the lowest, at about 10% capacity, while Moss Creek is the highest, at around 82% capacity. The flood threat remains low.

River products issued:

FLW = 5 FFW = 27 FFS = 28 RVS = 10 FLS = 34

Shifts worked: 21

cc:mail: DOA HIC IBWC-ELP IBWC-PRS SWFED USGS-CNM USGS-SJT

cc:email: HIC SRH W/SR2 W/SR3 W/SR-ABQ W/SR-ELP W/SR-FWR /SR-LBB W/SR-MAF W/SR-SJT