

<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>June</b>	<b>2009</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>July 15, 2009</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.

The month of June began with a wet start when a nocturnal mesoscale convective system developed and moved through the Permian Basin and Western Low Rolling Plains on the morning of the 1st. Farm-to-market roads south of Sprayberry in Midland County were inundated with up to 2' of water.

Other good rains were noted from afternoon and evening thunderstorms for the first part of June, with flash flooding likely in a few events (but not verified/reported), but no flash flooding was recorded until the morning of June 10<sup>th</sup>, when an early morning supercell dumped up to 1.5" of rain in the Alamito Creek watershed. Alamito flash flooded near its confluence with the Rio Grande for a little over 2 hours later in the morning, with a crest of 10.66' at the Alamito Creek (PRBT2) data point gage. The same supercell then flooded the upper reaches of the Terlingua Creek watershed, and the Terlingua Creek (TNGT2) forecast point gage briefly spiked above action stage later that evening, to a crest of 12.29'. Action stage for TNGT2 is 10'.

On the 14<sup>th</sup>, thunderstorms developed in Pecos County, and flooded several streets in Fort Stockton with up to 0.5' of runoff.

On June 16<sup>th</sup>, stationary thunderstorms developed over Big Bend National Park in Brewster County, flash flooding roadways southwest of Panther Junction. Debris flows with rocks the size of basketballs were noted over some roadways.

On the 20<sup>th</sup>, a tropical airmass moving north from Mexico produced widespread rains through West Texas and Southeast New Mexico. Several roads in Carlsbad in Eddy County were inundated with up to 2' of runoff and had to be barricaded. Some roads further south near McKittrick Canyon in the Guadalupe Mountains. The Rio Grande also briefly rose above flood stage (8.5') at Candelaria (CDET2) to 9.15', and later rose above flood stage (15') to 16.56' at Castolon (CSTT2). The river rose above action stage (8') at Presidio 7NW (PIOT2), Johnson Ranch (TELT2, AS=12'), and Boquillas (BOQT2, AS=10').

Precipitation amounts from area ASOS:

City	ASOS ID	June	May
Carlsbad, NM	CNM	2.07"	0.80"
Fort Stockton	FST	3.22"	1.36"
Guadalupe Pass	GDP	1.75"	0.77
Midland Int'l	MAF	2.33"	0.45"
Odessa	ODO	2.57"	0.92"

Terrell County	6R6	1.50"	0.55"
Wink	INK	1.12"	1.29"

Precipitation amounts from area AWOS:

City	ASOS ID	June	May
Alpine	E38	1.33"	0.62"
Artesia, NM	ATS	0.25"	0.50"
Big Spring	BGP	1.38"	0.75"
Gaines County	GNC	2.50"	1.86"
Marfa	MRF	3.11"	0.89"
Midland Airpark	MDD	1.20"	0.08"
Pecos	PEQ	0.01"	0.00"
Snyder	SNK	0.87"	1.00"

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

Bakersfield, Pecos County	4.52"
Hobbs 13W, Lea County	4.61"
Fort Stockton, Pecos County	4.77"
Andrews, Andrews County	5.14"

The average of all stations reporting was 2.40".

Normal June precipitation for Midland International Airport is 1.71". Total precipitation for Midland International Airport for the year ending July 1<sup>st</sup> was 3.89".

Despite June's rainfall, much of the the HSA remains in drought. Portions of northeastern Eddy and northwestern Lea Counties remain in severe drought, while all areas along and north of a Valentine-to-Monahans- to-Midkiff line are either abnormally dry or in moderate drought. The southern half of the HSA is out of drought for the time being.

Average reservoir levels across the HSA averaged 37% of conservation capacity at the end of June.

Reservoir (County, State)	June Conserv Cap (%)	May Conserv Cap (%)
JB Thomas (Scurry, TX)	7	7
Colorado City (Mitchell, TX)	66	68
Champion Creek (Mitchell, TX)	23	23
Natural Dam Salt Lake (Howard, TX)	49	49
Moss Creek (Howard, TX)	64	72
Brantley (Eddy, NM)	M	1
Avalon (Eddy, NM)	33	24
Red Bluff (Reeves, TX)	22	23

**Non-Routine Products Issued for June:**

Flash Flood Watches (FFA): 6  
Flash Flood Warnings (FFW): 20  
Flash Flood Statements (FFS): 24  
Flood Warnings (FLW): 2  
Flood Statements (FLS): 48

**Total Non-Routine Products Issued: 100**

**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**