

<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>
		REPORT FOR: MONTH <b>June</b> YEAR <b>2016</b>
<b>MONTHLY REPORT OF HYDROLOGIC CONDITIONS</b>		SIGNATURE <b>J. DeBerry</b> In Charge of HSA
TO: Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230 Silver Spring, MD 20910-3283		DATE <b>July 15, 2016</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.

June began wet as a slow-moving upper trough approached the region from the west. A line of thunderstorms moved through the Permian basin early in the morning on June 1<sup>st</sup>, resulting in widespread street flooding in Midland in Midland County. Odessa in Ector County was hit as well, and seven water rescues were reported there.

Early in the morning of the 2<sup>nd</sup>, with the upper trough then over West Texas, thunderstorms flooded roads just south of McCamey in Upton County with up to 1' of runoff.

Late in the evening on June 11<sup>th</sup>, thunderstorms developed over southeast New Mexico and developed into a MCS, then moved into the Permian Basin early on the morning of the 12<sup>th</sup>. Radar estimates up to 5" of rain fell in places for several hours. Roadways in and around Odessa in Ector County and Midland in Midland County were inundated with up to 3' of runoff, submerging vehicles and necessitating many high water rescues.

On June 15<sup>th</sup>, thunderstorms again moved into Midland in Midland County, flooding parts of the city. Four high-water rescues were reported.

On the 27<sup>th</sup>, thunderstorms over the lower Trans Pecos flash-flooded St. Hwy 349 at Independence Creek in Terrell County.

As the month of June closed, the synoptic pattern began congealing into the typical summertime ridge, signaling drier conditions for the rest of summer.

Precipitation amounts from area ASOS's:

City	ASOS ID	June	May
Carlsbad, NM	CNM	0.46"	0.17"
Fort Stockton	FST	3.00"	0.48"
Guadalupe Pass	GDP	2.87"	M
Midland Int'l	MAF	3.16"	1.47"
Odessa	ODO	2.23"	1.38"
Terrell County	6R6	0.62"	2.22"
Wink	INK	3.90"	2.05"

Precipitation amounts from area AWOS's:

City	AWOS ID	June	May
Alpine	E38	1.33"	1.96"
Artesia, NM	ATS	0.40"	0.59"
Big Spring	BGP	0.34"	0.29"
Gaines County	GNC	0.61"	1.81"
Hobbs	HOB	0.07"	0.20"
Marfa	MRF	1.26"	2.30"
Midland Airpark	MDD	0.35"	0.60"
Pecos	PEQ	0.86"	0.52"
Snyder	SNK	3.26"	3.14"

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

Cope Ranch, Reagan County 5.13"  
 Lees, Glasscock County 5.37"  
 McCamey, Upton County 6.15"  
 Crane, Crane County 7.03"

93 locations reported rainfall for the month of June, for an HSA average of 2.21".

Normal June precipitation for Midland International Air and Space Port is 1.80". Total precipitation for the airport for the year ending July 1<sup>st</sup> was 6.90", or 0.78" above normal.

Due to June's rains, drought in West Texas and Southeast New Mexico either didn't change over May, or even improved in some areas. As of June 28<sup>th</sup>, in Southeast New Mexico, Eddy County, and most of the northern half of Lea County, were abnormally dry. The rest of Southeast New Mexico was out of drought. In West Texas, abnormally dry conditions existed only over northern Culberson County. The rest of West Texas remained out of drought.

Reservoir levels across the HSA averaged 52.9% of conservation capacity as of July 1<sup>st</sup>:

Reservoir (County, State)	June Conserv Cap (%)	May Conserv Cap (%)
JB Thomas (Scurry, TX)	67.4	68.6
Colorado City (Mitchell, TX)	26.4	26.4
Champion Creek (Mitchell, TX)	26.7	25.3
Natural Dam Salt Lake (Howard, TX)	48.6	48.6
Moss Creek (Howard, TX)	73.0	78.0
Brantley (Eddy, NM)	48.0	69.0
Avalon (Eddy, NM)	47.0	53.0
Red Bluff (Reeves, TX)	85.7	88.8

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

Flash Flood Watches (FFA): 3  
Flash Flood Warnings (FFW): 10  
Flash Flood Statements (FFS): 11  
Flood Advisories/Statements (FLS): 47  
Flood Warnings (FLW): 1

**Total Non-Routine Products Issued: 72**

**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**