

WFO Midland, Texas

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

June

YEAR

2018

SIGNATURE

J. DeBerry

In Charge of HSA

DATE

July 15, 2018

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.

June had a plethora of severe weather events, but also several rain events spaced out evenly over the course of the month, providing much-needed rainfall to areas that needed it most. While June cannot be called a drought-buster, it did ensure that 2018 will not be another 2011. The highest radar rainfall estimates were up to 10", centered around Cayanosa, Texas, and extending northeast into Gaines County, and southeast to Candelaria. The highest amounts were near the Pecos River, which is very controlled, so no river flooding occurred there. This was also near the sand hills, which are very porous, so little flash flooding was noted, as well. One event that did stand out occurred on June 18th, when thunderstorms developed over Ector County, flooding parts of Odessa. Floodwaters almost made it into some residences, but not quite. Later that morning, some roads flooded in Kermit in Winkler County, deep enough to reach car doors.

Precipitation amounts from area ASOS's:

City	ASOS ID	June	May
Carlsbad, NM	KCNM	1.04"	0.12"
Fort Stockton	KFST	3.28"	0.39"
Guadalupe Pass	KGDP	0.03"	0.14"
Midland Int'l	KMAF	2.56"	0.68"
Odessa	KODO	2.85"	0.82"
Terrell County	K6R6	0.21"	1.17"
Wink	KINK	0.52"	0.13"

Precipitation amounts from area AWOS's:

City	AWOS ID	June	May
Alpine	KE38	2.03"	1.44"
Andrews County	KE11	2.61"	0.36"
Artesia, NM	KATS	1.30"	0.54"
Big Spring	KBGP	0.58"	0.83"
Gaines County	KGNC	2.20"	0.42"
Hobbs, NM	KHOB	1.40"	0.62"
Marfa	KMRF	1.66"	0.05"

Midland Airpark	KMDD	M	0.36"
Pecos	KPEQ	1.78"	0.11"
Presidio	KPRS	2.92"	0.17"
Snyder	KSNK	M	0.00"

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

Chisos Basin, Brewster County	3.51"
K-Bar Ranch, Ector County	4.42"
Waste Isolation Pilot Plant, Eddy County	5.39"
Coyanosa, Pecos County	7.03"

100 locations reported rainfall for the month of June, for an HSA average of 1.78".

Normal June precipitation for Midland International Air and Space Port is 1.80". Total precipitation for the airport for the year ending July 1st was 3.40", or 2.66" below normal.

Due to unexpectedly abundant rainfall for the month, as of June 28th, over Southeast New Mexico, extreme drought has developed into the northern third or so of Lea County. Severe drought covers most of the rest of Lea and Eddy Counties. The extreme southern parts of both counties are in moderate drought to no drought. In West Texas, extreme drought covers most of Howard and Glasscock Counties, as well as a portion of Borden County. These areas are bordered by severe drought. The rest of the area east of the Pecos ranges from moderate drought to not drought. Almost all of West Texas west of the Pecos is out of drought, except for abnormally dry conditions along the Pecos River in Pecos and Terrell Counties.

Reservoir levels across the HSA averaged 49.4% of conservation capacity as of July 1st:

Reservoir (County, State)	July 1 Conserv Cap (%)	June 1 Conserv Cap (%)
JB Thomas (Scurry, TX)	39.3	41.3
Colorado City (Mitchell, TX)	33.5	35.3
Champion Creek (Mitchell, TX)	51.3	45.9
Moss Creek (Howard, TX)	77.0	79.0
Brantley (Eddy, NM)	26.0	54.0
Avalon (Eddy, NM)	59.0	46.0
Red Bluff (Reeves, TX)	59.9	63.2

Non-Routine Products Issued for June:

Flash Flood Watches (FFA): 4
Flash Flood Warnings (FFW): 7
Flash Flood Statements (FFS): 6
Flood Advisories/Statements (FLS): 29
Flood Warnings (FLW): 4

Total Non-Routine Products Issued: 50

**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**