

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:
 MONTH **June** YEAR **2013**

TO: Hydrometeorological Information Center, W/OH2
 NOAA / National Weather Service
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 Silver Spring, MD 20910-3283

SIGNATURE **J. DeBerry**
 In Charge of HSA

DATE
July 15, 2013

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 upper level summertime ridge began establishing itself in June. However, not without effort. In mid-June, an upper level trough developed over deep south Texas, taking on characteristics of an easterly wave, and curved northwestward into the Big Bend area. A tropical airmass invaded West Texas, and on the evening of June 13th, thunderstorms inundated the Alamito Creek watershed with several inches of rainfall in Presidio County. The stage at the Alamito Creek gage (PRBT2) rose from around 4' (baseflow) to 12' in 2 hours. Thunderstorms also produced heavy rainfall along the river between Candelaria and Presidio. This all resulted significant rises on the Rio Grande. The upper Presidio gage (Presidio 6WNW/PIOT2) briefly went into minor flood, while the lower Presidio gage (Presidio 5SE/PRDT2) briefly went into major flood right below the confluence of the Rio Grande and Alamito Creek. Further north, thunderstorms rolled through Midland in Midland County, flooding low-lying roadways with up to 1' of runoff and stranding several vehicles.

On June 17th, thunderstorms developed and moved through Southeast New Mexico. State Highway 137 just south of Queen in Eddy County was flooded by runoff and debris 2' deep. Further east, numerous roadways flooded in Hobbs in Lea County, where some high water rescues were warranted. Thunderstorms then moved east into the Western Low Rolling Plains, where flooding was reported south of Gail in Borden County. Radar estimates suggested 3-4" of rain fell in much of the Western Low Rolling Plains.

On the 20th, thunderstorms developed over Southeast New Mexico, and trained over Carlsbad in Eddy County, dumping up to 4" of rainfall in northern and eastern parts of the town in 1-3 hours, flash flooding many roadways. A canal levee broke in north Carlsbad, flooding several area homes with up to 1' of water.

On June 21st, thunderstorms again developed. In Alpine in Brewster County, almost 1' of runoff flowed through downtown streets.

Thunderstorms developed over the Western Low Rolling Plains on the 25th, inundating low water crossings in Martin County with up to 2' of runoff.

Precipitation amounts from area ASOS's:

City	ASOS ID	June	May
Carlsbad, NM	CNM	0.54"	0.11"
Fort Stockton	FST	0.06"	0.55"

Guadalupe Pass	GDP	1.14"	0.06"
Midland Int'l	MAF	0.85"	0.03"
Odessa	ODO	0.43"	0.57"
Terrell County	6R6	1.10"	0.19"
Wink	INK	0.55"	0.02"

Precipitation amounts from area AWOS's:

City	AWOS	June	May
Alpine	E38	1.43"	0.32"
Artesia, NM	ATS	0.15"	0.21"
Big Spring	BGP	1.94"	1.05"
Gaines County	GNC	1.16"	0.03"
Hobbs	HOB	1.03"	0.25"
Marfa	MRF	2.21"	0.34"
Presidio	PRS	M	M
Midland Airpark	MDD	0.12"	0.05"
Pecos	PEQ	0.53"	1.04"
Snyder	SNK	1.73"	3.25"

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

Mount Locke, Jeff Davis County	3.56"
Presidio, Presidio County	3.65"
Lenorah, Martin County	3.97"
Gail, Borden County	4.97"

101 locations reported rainfall for the month of June, for an average of 1.45".

Normal June precipitation for Midland International Airport is 1.80". Total precipitation for Midland International Airport for 2013 ending July 1st was 2.41", or 3.65" below normal.

Due to recent rains, drought conditions have more or less held steady, fluctuating little. As of June 25th, in Southeast New Mexico, northwest Eddy and Lea Counties remained in exceptional drought. The rest of these counties were in extreme to moderate drought. In West Texas, exceptional drought persisted in portions of the Western Low Rolling Plains, but had crept developed into the Permian Basin, mainly Ector and Midland Counties. Most of the rest of the Western Low Rolling Plains and Permian Basin were in extreme to moderate drought. The rest of West Texas ranged from severe drought to abnormally dry.

Reservoir levels across the HSA averaged 27.0% of conservation capacity as of July 1st:

Reservoir (County, State)	June Conserv Cap (%)	May Conserv Cap (%)
JB Thomas (Scurry, TX)	1.8	1
Colorado City (Mitchell, TX)	31.3	32
Champion Creek (Mitchell, TX)	8.5	10

Natural Dam Salt Lake (Howard, TX)	48.6	49
Moss Creek (Howard, TX)	62.0	53
Brantley (Eddy, NM)	12.0	17
Avalon (Eddy, NM)	38.0	33
Red Bluff (Reeves, TX)	13.5	13

Non-Routine Products Issued for June:

Flash Flood Watches (FFA): 3
Flash Flood Warnings (FFW): 10
Flash Flood Statements (FFS): 7
Flood Warnings (FLW): 3
Flood Statements (FLS): 32

Total Non-Routine Products Issued: 55

**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**