

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) WFO Midland, Texas	
		MONTHLY REPORT OF HYDROLOGIC CONDITIONS	REPORT FOR: MONTH May YEAR 2009
TO: Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230 Silver Spring, MD 20910-3283		SIGNATURE J. DeBerry In Charge of HSA	
		DATE June 15, 2009	

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.

On May 9th, thunderstorms developed over the Big Bend, flash flooding Route 12 near Rio Grande Village in the park. Runoff flowing over the road caused vehicles to hydroplane.

On the 11th, convection developed again in the Big Bend region, and localized heavy rainfall flash flooded arroyos emptying into the Rio Grande just upstream of Castolon (CSTT2). As a result, the Rio Grande rose briefly to moderate flood stage for a few hours during the morning of May 12th, but quickly receded by daybreak.

On May 22nd, an upper level trough spawned thunderstorms throughout the HSA. Due to very light steering flow, the storms were nearly stationary, and resulted in very heavy rainfall in a few locations. In Guadalupe Mountains National Park in Culberson County, over 2" of rain fell, flooding McKittrick Canyon. Park rangers reported flooding of the McKittrick Canyon parking lot of at least 1.5' of runoff as a result. Further southeast, storms flooded the Fort Davis area in Jeff Davis County, forcing the closure of several roadways.

On the 26th, low-moving storms developed over the Western Low Rolling Plains, flooding low-water crossings in several locations throughout Scurry County.

On May 29th, thunderstorms developed over the Big Bend region and Mexico. One cell inundated the Candelaria (CDET2) river gage with an inch of rainfall, sending the Rio Grande to minor flood stage there for about 15 minutes.

On the 30th, orographically-driven convection developed in northern Brewster County, and moved northeast in to Pecos County. Over an inch of rain fell in Fort Stockton, rendering several roads impassable. A motorist was stranded by high water and had to be rescued.

To round out the month, slow-moving thunderstorms developed on the evening of May 31st in southeast New Mexico, and moved southeast into Texas, flooding areas around Main Street in Seminole in Gaines County.

Precipitation amounts from area ASOS:

City	ASOS ID	May	April
Carlsbad, NM	CNM	0.80"	0.01"
Fort Stockton	FST	1.36"	0.01"
Guadalupe Pass	GDP	0.77"	T

Midland Int'l	MAF	0.45"	1.19"
Odessa	ODO	0.92"	0.36"
Terrell County	6R6	0.55"	0.11"
Wink	INK	1.29"	0.12"

Precipitation amounts from area AWOS:

City	ASOS ID	May	April
Alpine	E38	0.62"	0.00"
Artesia, NM	ATS	0.50"	0.00"
Big Spring	BGP	0.75"	0.53"
Gaines County	GNC	1.86"	0.61"
Marfa	MRF	0.89"	0.00"
Midland Airpark	MDD	0.08"	0.04"
Pecos	PEQ	0.00"	0.03"
Snyder	SNK	1.00"	0.37"

Normal May precipitation for Midland International Airport is 1.79". Total precipitation for Midland International Airport for the year ending June 1st was 1.56".

Despite May's rainfall, much of the the HSA remains in drought. Culberson County, Jeff Davis County, and southeast New Mexico remain in moderate to severe drought, while the Big Bend, Upper Trans Pecos, Permian Basin, and Western Low Rolling Plains are either abnormally dry or in moderate drought. Due to abundant rainfall, the lower Trans Pecos is out of drought.

Average reservoir levels across the HSA averaged 33% of conservation capacity at the end of May.

Reservoir (County, State)	May Conserv Cap (%)	April Conserv Cap (%)
JB Thomas (Scurry, TX)	7	7
Colorado City (Mitchell, TX)	68	67
Champion Creek (Mitchell, TX)	23	21
Natural Dam Salt Lake (Howard, TX)	49	49
Moss Creek (Howard, TX)	72	64
Brantley (Eddy, NM)	1	1
Avalon (Eddy, NM)	24	30
Red Bluff (Reeves, TX)	23	26

Non-Routine Products Issued for May:

Flash Flood Watches (FFA): 3
Flash Flood Warnings (FFW): 12
Flash Flood Statements (FFS): 19
Flood Warnings (FLW): 1
Flood Statements (FLS): 22

Total Non-Routine Products Issued: 57

**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**