NWS FORM E-5	U.S. DEPARTMENT OF COMMERCE	HYDROLOGIC SERVICE AREA (HSA)		
(11-88) (PRES. by NWS Instruct				
` ,		REPORT FOR:		
TO:	Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 Fast West Highway, Room 7230	SIGNATURE		
	Silver Spring, MD 20910-3283	DATE June 15, 2024		
	REPORT OF HYDROLOGIC CONDITIONS REPORT FOR: MONTH May 2024 Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230 Silver Spring, MD 20910-3283 REPORT FOR: MONTH MONTH J PEAR May 2014 SIGNATURE In Charge of HSA DATE			
An X ins	ide this box indicates that no river flooding occurre	ed within this hydrologic service area.		

Spring severe season ramped up in May, as is typical, but there was some flooding.

On May 3rd, thunderstorms developed over Mitchell County, drifting slowly southeast. Flooding was reported south of Westbrook.

On the 4th, a late spring cold front met up with a dryline to produce widespread supercells across the Permian Basin, Western Low Rolling Plains, and lower Trans Pecos. During the afternoon, thunderstorms flash flooded and closed roads 4 miles west of West Odessa in Ector County, stranding vehicles there. Storms then moved into Howard County, where rainfall brought creeks out of their banks and flooded croplands 4 miles west of Luther. Later that evening, thunderstorms developed into Scurry County, flash flooding the intersection of US Hwy 180 and FM 1269, making it difficult to cross. Hail of up to 4" in diameter contaminated radar rainfall estimates quite a bit, but the highest storm total estimate was 5.41" in eastern Borden County, right in the Lake J.B. Thomas watershed. This is a small watershed, and so is usually missed by rainfall. The Colorado River near Gail, normally bone dry, rose to over 9', and this will help to replenish J.B. Thomas. Up to 3.64" fell in the Independence Creek watershed, bringing the creek just under flood stage overnight. The Pecos River at Brotherton, just downstream of the confluence with Independence Creek, rose over 6' overnight. The highest reported rainfall for this event was 2.51" at Andrews in Andrews County.

On May 16th, thunderstorms developed in the wake of a cold front. During the afternoon, a thunderstorm flooded streets in southeast Hobbs in Lea County, stranding vehicles. That evening, storms moved into Odessa and Gardendale in Ector County, and Midland in Midland County, resulting in widespread flooding of roadways. A gymnasium northwest of Midland International Air and Space Port also flooded.

On the 28th, an outflow boundary traveled all the way into West Texas from the Metroplex, colliding with a dryline and developing supercells in the afternoon. Radar estimates as much as 3.73" of rain fell on the Stockton Plateau. A supercell moved through the Independence Creek watershed, dumping as much as 2.69" of rainfall in places in a very short amount of time. This sent a flash flood wave down Independence Creek briefly bringing it into moderate flood stage (SFIT2). At one point, the creek rose over 8' in 15 minutes. Farther south, multiple roads flooded in Terrell County as a result of Independence Creek flooding.

Finally, on the evening of May 30th, supercells again developed in the Permian Basin, flooding roadways throughout Midland in Midland County. Radar estimates as much as 4.95" fell in southeast Midland County. However, the highest reported rainfall for the 30th was 1.65" in Midland. At the Midland/Odessa National Weather Service Office, baseball-size hail fell for 45 minutes, damaging

vehicles in the parking lot and the upper air building. Unfortunately, there was at least one hail casualty. Runoff flooded a western diamondback rattlesnake out of its burrow, then large hail promptly killed it.

Precipitation amounts from area ASOS's:

City	ASOS ID	May	April
Carlsbad, NM	KCNM	0.01"	Т
Fort Stockton	KFST	0.38"	0.26"
Midland Int'l	KMAF	2.36"	0.68"
Odessa	KODO	1.31"	0.57"
Terrell County	K6R6	0.22"	0.00"
Wink	KINK	0.31"	0.15"

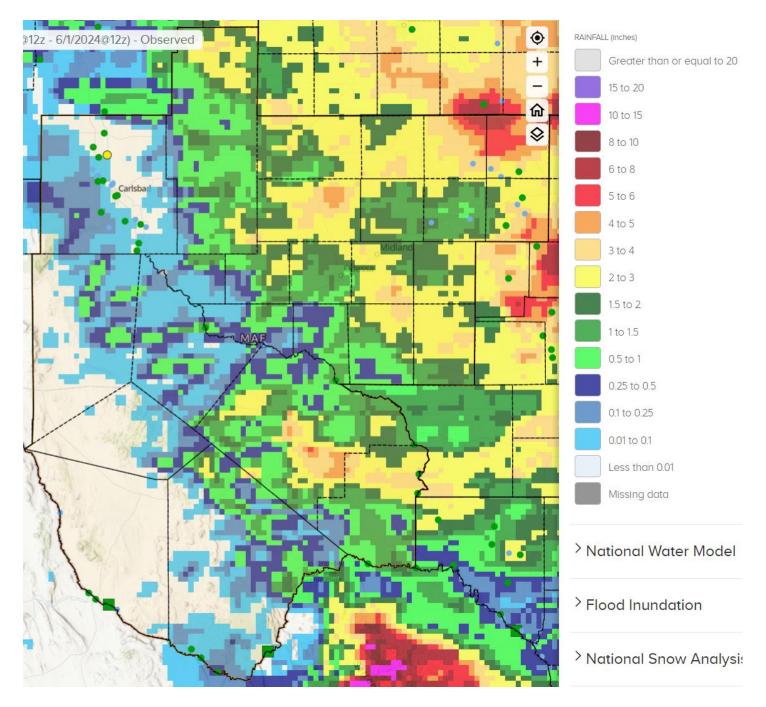
Precipitation amounts from area AWOS's:

City	AWOS ID	May	April
Alpine	KE38	0.01"	0.02"
Andrews County	KE11	2.57"	0.44"
Artesia, NM	KATS	0.07"	0.01'
Big Spring	KBGP	1.03"	1.99"
Culberson County	KVHN	0.00"	0.25"
Gaines County	KGNC	1.49"	0.26"
Lajitas	KT89	0.29"	0.00"
Lamesa Municipal	KLUV	0.60"	0.40"
Marfa	KMRF	0.00"	0.02"
Midland Airpark	KMDD	2.58"	1.11"
Pecos County	KPEQ	0.00"	0.20"
Presidio County	KPRS	0.00"	0.00"
Reagan County	KE41	1.57"	0.72"
Snyder	KSNK	2.31"	0.55"

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

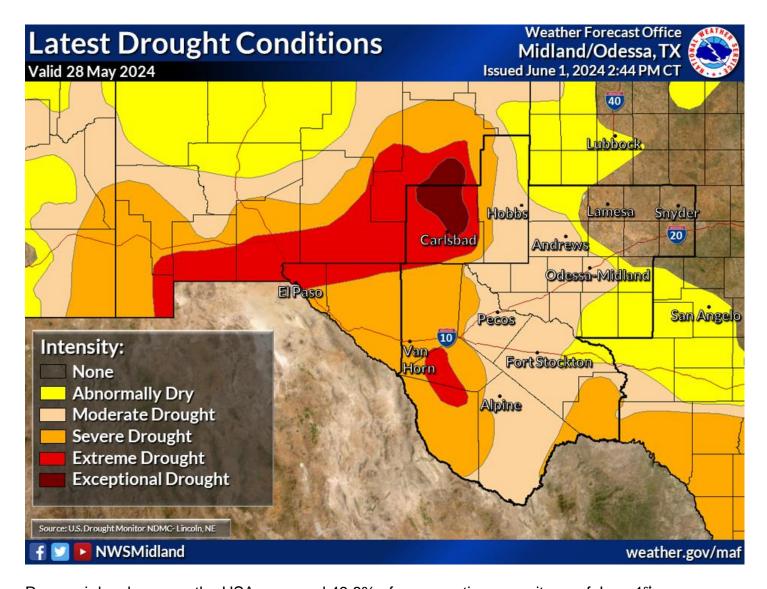
Seagraves, Gaines County 2.27"
Gail, Borden County 2.66"
Fort Stockton 38 SE, Pecos County 3.82"
Fluvanna, Scurry County 5.68"

82 locations reported rainfall for the month of May, for an HSA average of 1.01".



May Precipitation

Normal May precipitation for Midland International Air and Space Port is 1.57". Total precipitation for the year was 4.22", or 0.03" above normal.



Reservoir levels across the HSA averaged 46.6% of conservation capacity as of June 1st:

Reservoir (County, State)	June 1 Conserv Cap (%)	May 1 Conserv Cap (%)
JB Thomas (Scurry, TX)	20.2	19.3
Colorado City (Mitchell, TX)	46.8	47.1
Champion Creek (Mitchell, TX)	56.5	57.1
Natural Dam Salt Lake (Howard, TX)	48.4	48.4
Moss Creek (Howard, TX)	77.0	80.0
Brantley (Eddy, NM)	51.0	36.0
Avalon (Eddy, NM)	33.0	26.0
Red Bluff (Reeves, TX)	40.0	41.2

Non-Routine Products Issued for May:

Flash Flood Watches (FFA): 0
Flash Flood Warnings (FFW): 23
Flash Flood Statements (FFS): 25
Flood Advisories/Statements (FLS): 0

Flood Warnings (FLW): 1

Total Non-Routine Products Issued: 49



Hail Casualty

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