

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	YEAR
		April	2024
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 May 15, 2024	

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.

Hydrologic activity picked up a little in April as the jet stream moved south, and upper-level troughs began moving through West Texas and Southeast New Mexico. As usual, the missing ingredient was low level moisture, but on April 20th, an upper-level trough arrived when a moist airmass was in place, producing numerous showers and thunderstorms across the Permian Basin and Western Low Rolling Plains. Roads in and around Westbrook in Mitchell County flooded completely. Roadways also flooded. Thunderstorms flooded roads south of Knott in western Howard County. This was near where MRMS estimated the highest rainfall fell, at 4.31". Otherwise, no other notable hydrologic events were noted.

Precipitation amounts from area ASOS's:

City	ASOS ID	April	March
Carlsbad, NM	KCNM	T	0.08"
Fort Stockton	KFST	0.26"	0.12"
Midland Int'l	KMAF	0.68"	0.60"
Odessa	KODO	0.57"	0.56"
Terrell County	K6R6	0.00"	0.03"
Wink	KINK	0.15"	0.31"

Precipitation amounts from area AWOS's:

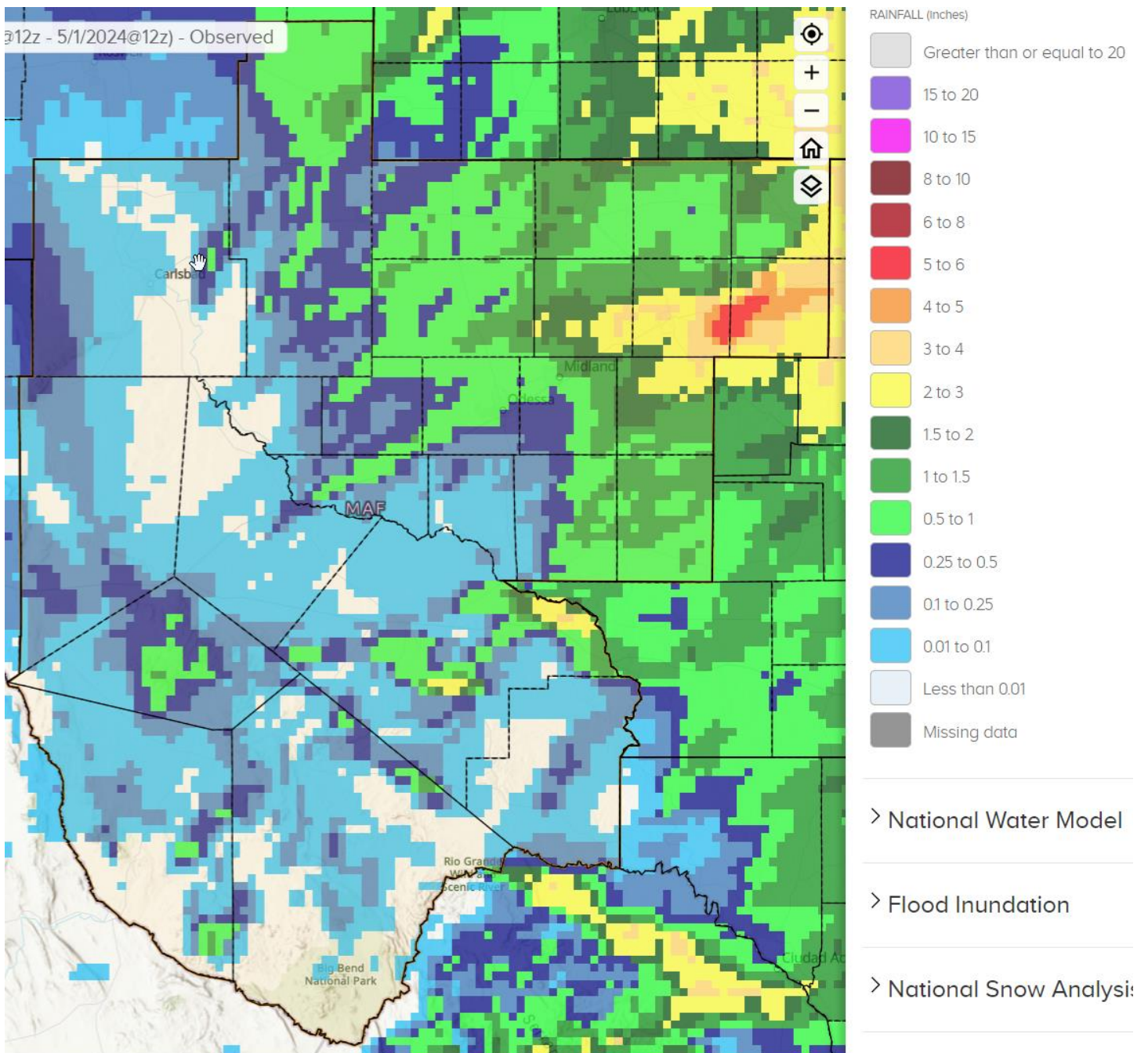
City	AWOS ID	April	March
Alpine	KE38	0.02"	0.02"
Andrews County	KE11	0.44"	0.20"
Artesia, NM	KATS	0.01"	0.08'
Big Spring	KBGP	1.99"	0.24"
Culberson County	KVHN	0.25"	0.04"
Gaines County	KGNC	0.26"	0.20"
Lajitas	KT89	0.00"	0.00"
Lamesa Municipal	KLUV	0.40"	0.47"
Marfa	KMRF	0.02"	0.12"

Midland Airpark	KMDD	1.11"	0.58"
Pecos County	KPEQ	0.20"	0.05"
Presidio County	KPRS	0.00"	0.00"
Reagan County	KE41	0.72"	0.07"
Snyder	KSNK	0.55"	0.49"

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

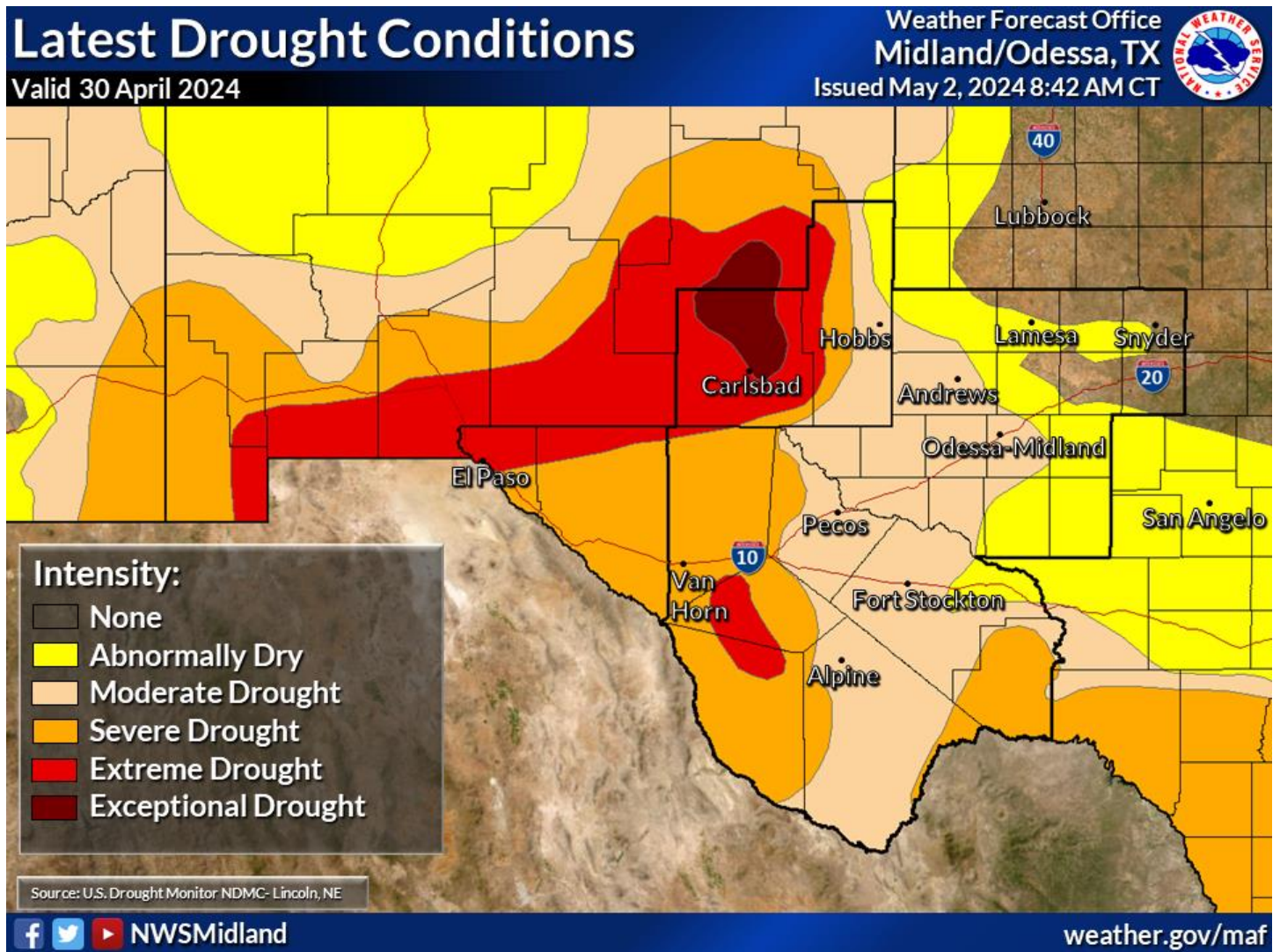
Welch, Dawson County 1.21"
 Lomax, Howard County 1.63"
 Tarzan, Martin County 1.72"
 Colorado City, Mitchell County 2.59"

83 locations reported rainfall for the month of April, for an HSA average of 0.38".



April Precipitation

Normal April precipitation for Midland International Air and Space Port is 0.70". Total precipitation for the year was 1.18", or 0.74" below normal.



Reservoir levels across the HSA averaged 44.4% of conservation capacity as of May 1st:

Reservoir (County, State)	May 1 Conserv Cap (%)	April 1 Conserv Cap (%)
JB Thomas (Scurry, TX)	19.3	20.4
Colorado City (Mitchell, TX)	47.1	46.2
Champion Creek (Mitchell, TX)	57.1	56.9
Natural Dam Salt Lake (Howard, TX)	48.4	48.4
Moss Creek (Howard, TX)	80.0	79.0
Brantley (Eddy, NM)	36.0	55.0
Avalon (Eddy, NM)	26.0	56.0
Red Bluff (Reeves, TX)	41.2	41.4

Non-Routine Products Issued for April:

Flash Flood Watches (FFA): 0

Flash Flood Warnings (FFW): 5

Flash Flood Statements (FFS): 5

Flood Advisories/Statements (FLS): 0

Flood Warnings (FLW): 0

Total Non-Routine Products Issued: 10

**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**