

WFO Midland, Texas

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

YEAR

May

2021

SIGNATURE

J. DeBerry

In Charge of HSA

DATE

June 15, 2021

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.

May was fairly uneventful until the last week, when an upper-level trough parked itself over Baja, sending multiple shortwaves into West Texas and Southeast New Mexico. This resulted in a week of mostly severe activity. However, heavy rainfall factored in, especially the last of day of the month.

On May 31st, thunderstorms flash flooded Odessa in Ector County, deep enough that water got into some residences. Vehicles were submerged up to their hoods, and as many as 27 swift water rescues were made. Flash flooding also stalled many vehicles in Midland in Midland County. Deep Creek went into minor flood stage, and the Colorado River came out of its banks.

Precipitation amounts from area ASOS's:

City	ASOS ID	May	April
Carlsbad, NM	KCNM	1.60"	1.87"
Fort Stockton	KFST	0.64"	0.74"
Guadalupe Pass	KGDP	0.46"	0.19"
Midland Int'l	KMAF	2.48"	2.25"
Odessa	KODO	1.93"	1.08"
Terrell County	K6R6	3.46"	0.10"
Wink	KINK	1.74"	0.00"

Precipitation amounts from area AWOS's:

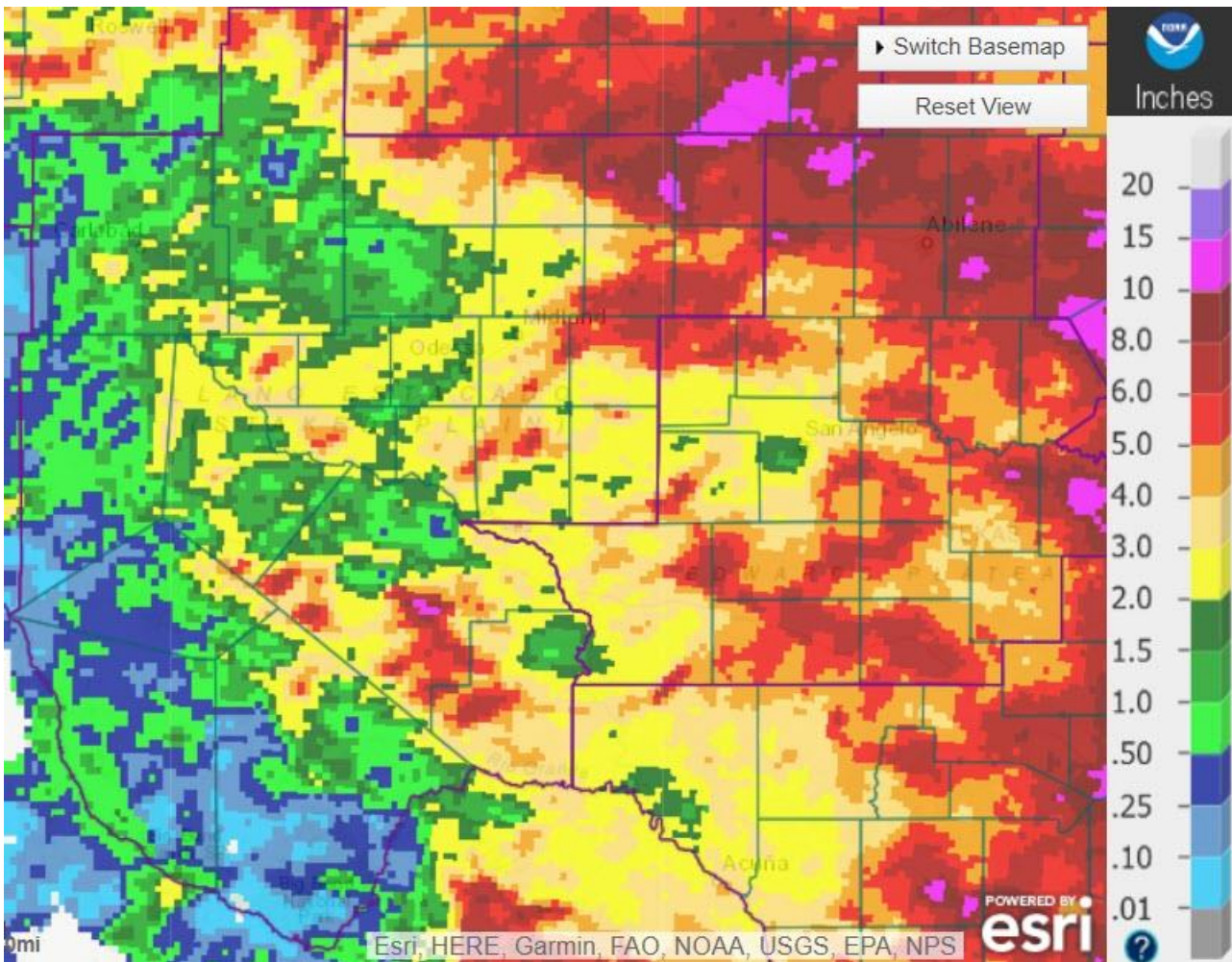
City	AWOS ID	May	April
Alpine	KE38	1.20"	0.36"
Andrews County	KE11	0.61"	3.11"
Artesia, NM	KATS	1.02"	0.64'
Big Spring	KBGP	2.67"	2.91"
Culberson County	KVHN	0.15"	0.02"
Gaines County	KGNC	0.16"	1.08"
Hobbs, NM	KHOB	0.56"	0.41"
Lamesa Municipal	KLUV	3.45"	1.01"

Marfa	KMRF	0.39"	0.34"
Midland Airpark	KMDD	2.39"	0.89"
Pecos County	KPEQ	0.94"	0.14"
Presidio County	KPRS	1.61"	0.62"
Reagan County	KE41	2.04"	0.21"
Snyder	KSNK	5.82"	0.67"

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

Lomax, Howard County 5.08"
 Seagraves, Gaines County 5.55"
 Gail, Borden County 8.18"
 Fluvanna, Scurry County 9.04"

87 locations reported rainfall for the month of May, for an HSA average of 2.05".



May Precipitation

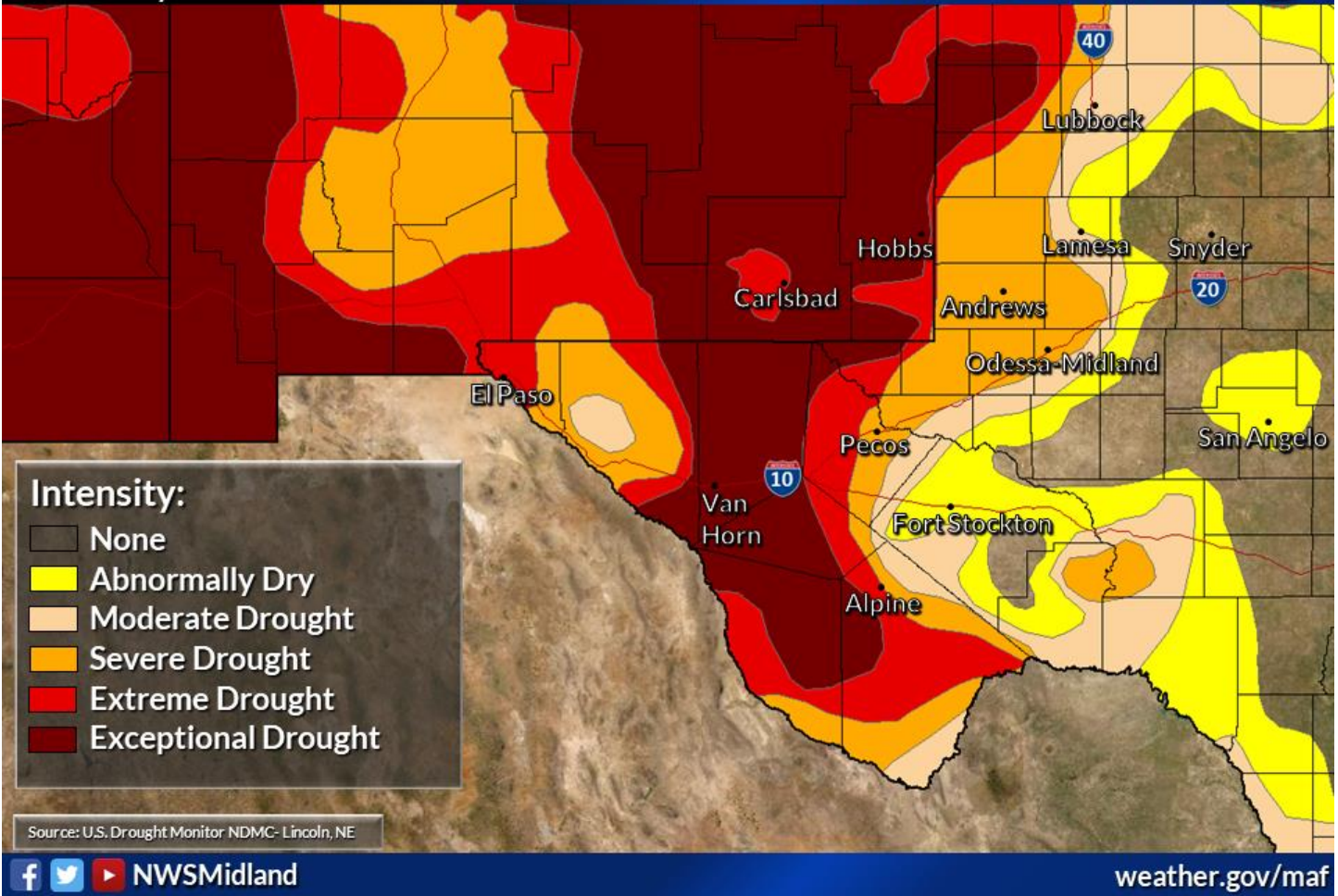
Normal May precipitation for Midland International Air and Space Port is 1.57". Total precipitation for 2021 ending June 1st was 5.49", or 1.30" above normal.

Latest Drought Conditions

Weather Forecast Office
Midland/Odessa, TX
Issued June 1, 2021 7:47 PM CT



Valid 25 May 2021



Reservoir levels across the HSA averaged 39.0% of conservation capacity as of June 1st:

Reservoir (County, State)	June 1 Conserv Cap (%)	May 1 Conserv Cap (%)
JB Thomas (Scurry, TX)	16.6	11.4
Colorado City (Mitchell, TX)	35.7	34.9
Champion Creek (Mitchell, TX)	61.1	57.7
Natural Dam Salt Lake (Howard, TX)	48.4	48.4
Moss Creek (Howard, TX)	47.0	52.0
Brantley (Eddy, NM)	33.0	32.0
Avalon (Eddy, NM)	24.0	26.0
Red Bluff (Reeves, TX)	46.5	47.7

Non-Routine Products Issued for May:

Flash Flood Watches (FFA): 5
Flash Flood Warnings (FFW): 14
Flash Flood Statements (FFS): 13
Flood Advisories/Statements (FLS): 52

Flood Warnings (FLW): 2

Total Non-Routine Products Issued: 86

**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**