

WFO Midland, Texas

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

July

YEAR

2021

SIGNATURE

J. DeBerry

In Charge of HSA

DATE

August 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.

The synoptic pattern that brought all the rainfall to the last week of June diminished during the first week of July, but a few lingering events were noted.

On July 3rd, thunderstorms developed over the Permian Basin. Several roads were flooded in western Midland County. Farther east, flash flooding occurred in Colorado City in Mitchell County, where multiple low water rescues took place.

On the 5th, thunderstorms developed over Snyder in Scurry County, flooding many streets in downtown, and rendering them impassable.

These events also resulting in minor flooding of Deep Creek and the Colorado River.

Farther south, on July 12th, thunderstorms near the confluence of the Rio Conchos and Rio Grande brought the Rio Grande into minor flood stage at the Presidio International Bridge.

Precipitation amounts from area ASOS's:

City	ASOS ID	July	June
Carlsbad, NM	KCNM	0.77"	0.35"
Fort Stockton	KFST	0.58"	3.51"
Guadalupe Pass	KGDP	2.15"	3.19"
Midland Int'l	KMAF	2.48"	4.75"
Odessa	KODO	0.56"	5.52"
Terrell County	K6R6	1.27"	0.64"
Wink	KINK	0.63"	0.34"

Precipitation amounts from area AWOS's:

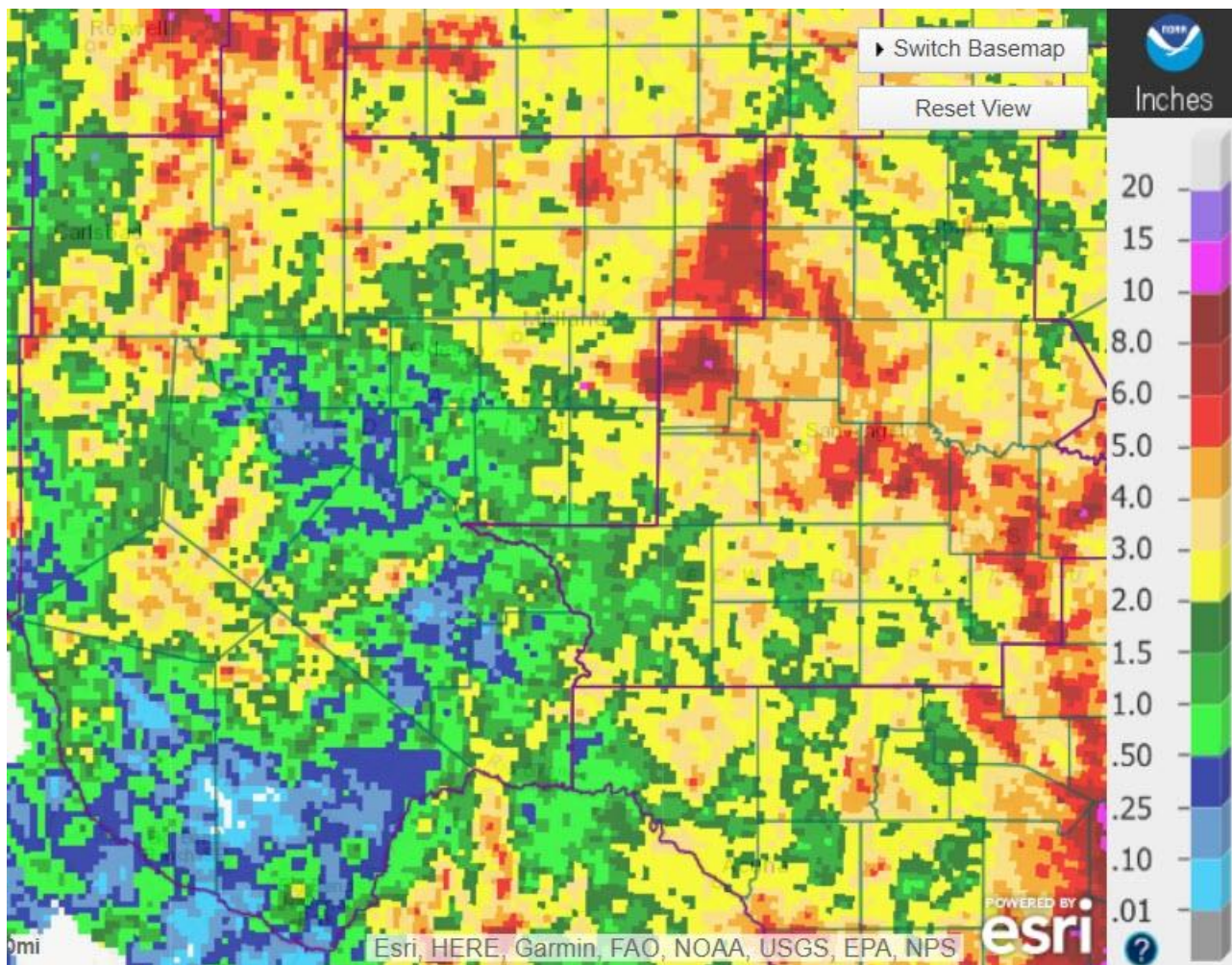
City	AWOS ID	July	June
Alpine	KE38	2.75"	1.07"
Andrews County	KE11	1.80"	2.92"
Artesia, NM	KATS	0.44"	5.40'
Big Spring	KBGP	2.34"	6.09"

Culberson County	KVHN	1.02"	1.61"
Gaines County	KGNC	0.01"	0.01"
Hobbs, NM	KHOB	0.99"	1.82"
Lamesa Municipal	KLUV	1.75"	2.77"
Marfa	KMRF	1.24"	2.33"
Midland Airpark	KMDD	2.20"	6.29"
Pecos County	KPEQ	0.83"	1.81"
Presidio County	KPRS	1.32"	1.39"
Reagan County	KE41	2.02"	5.83"
Snyder	KSNK	2.43"	2.85"

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

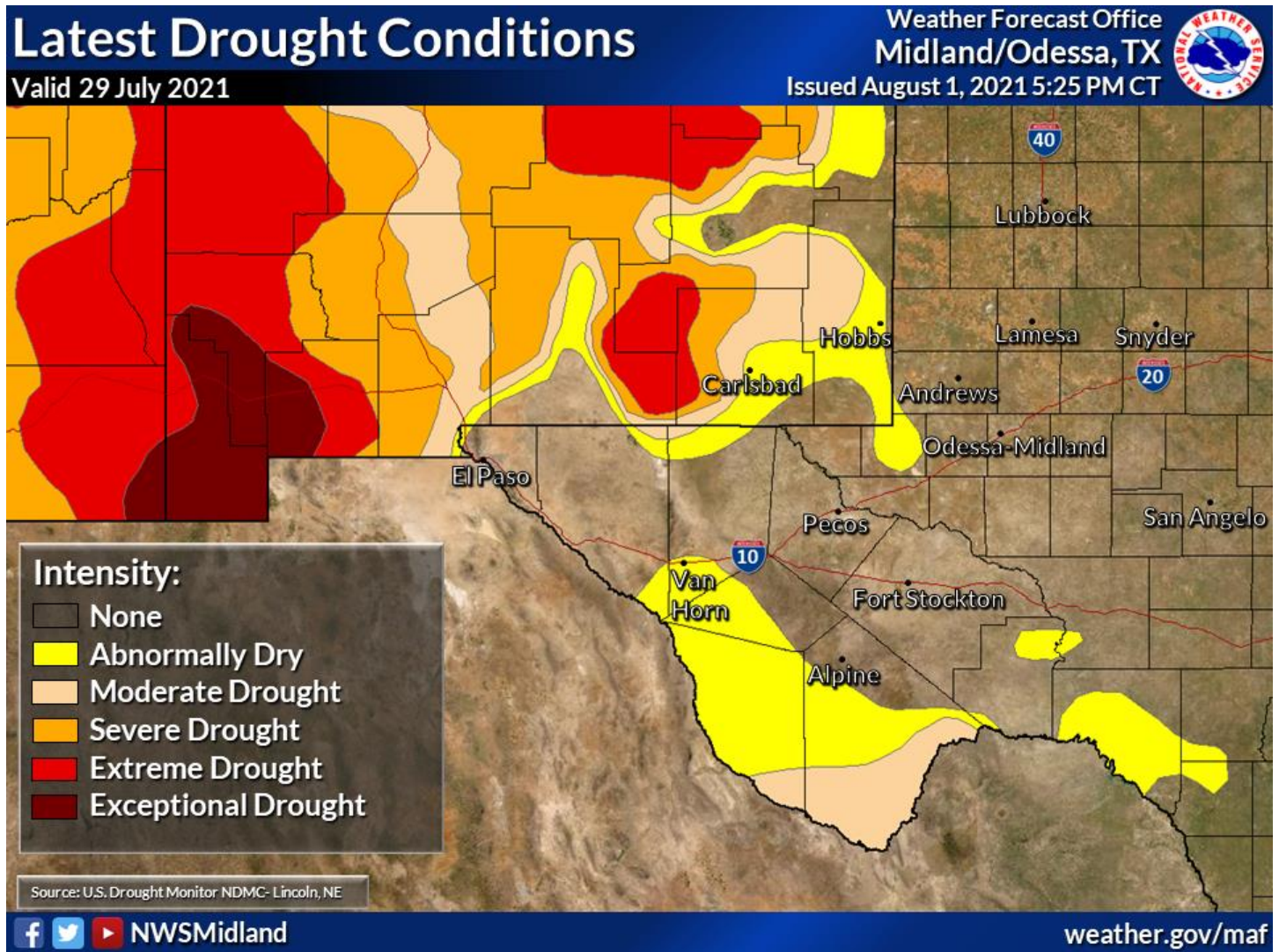
Caprock, Lea County 4.21"
Lomax, Howard County 4.57"
Dog Canyon, Culberson County 5.45"
Colorado City, Mitchell County 7.25"

85 locations reported rainfall for the month of July, for an HSA average of 2.14".



July Precipitation

Normal July precipitation for Midland International Air and Space Port is 1.62". Total precipitation for 2021 ending August 1st was 12.75", or 5.08" above normal.



Reservoir levels across the HSA averaged 68.8% of conservation capacity as of August 1st:

Reservoir (County, State)	August 1 Conserv Cap (%)	July 1 Conserv Cap (%)
JB Thomas (Scurry, TX)	47.9	37.8
Colorado City (Mitchell, TX)	82.8	46.6
Champion Creek (Mitchell, TX)	75.9	62.2
Natural Dam Salt Lake (Howard, TX)	48.5	48.5
Moss Creek (Howard, TX)	58.0	47.0
Brantley (Eddy, NM)	91.0	50.0
Avalon (Eddy, NM)	78.0	100.0+
Red Bluff (Reeves, TX)	67.9	58.5

Non-Routine Products Issued for July:

Flash Flood Watches (FFA): 3

Flash Flood Warnings (FFW): 21
Flash Flood Statements (FFS): 18
Flood Advisories/Statements (FLS): 62
Flood Warnings (FLW): 8

Total Non-Routine Products Issued: 112

**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**