

WFO Midland, Texas

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

September

YEAR

2023

SIGNATURE

J. DeBerry

In Charge of HSA

DATE

October 15, 2023

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 skies finally opened up in September, as the synoptic pattern finally began breaking down the upper-level ridge, allowing disturbances to move through West Texas and Southeast New Mexico.

On September 13th, thunderstorms developed over the Rio Conchos watershed, and sent a flood wave into Presidio during the late afternoon/overnight, sending the Rio Grande into minor flood at the international crossing for a few hours.

Early morning on the 16th, thunderstorms moved over Colorado City in Mitchell County, producing heavy rainfall that closed streets and stranded vehicles. Thunderstorms then flooded several streets in Gardendale in Ector County.

Otherwise, despite the abundant rainfall in September, no other flood events were reported.

Precipitation amounts from area ASOS's:

City	ASOS ID	September	August
Carlsbad, NM	KCNM	0.68"	0.78"
Fort Stockton	KFST	0.08"	0.01"
Guadalupe Pass	KGDP	M	0.71"
Midland Int'l	KMAF	1.01"	T
Odessa	KODO	0.87"	0.11"
Terrell County	K6R6	0.46"	5.78"
Wink	KINK	0.41"	0.04"

Precipitation amounts from area AWOS's:

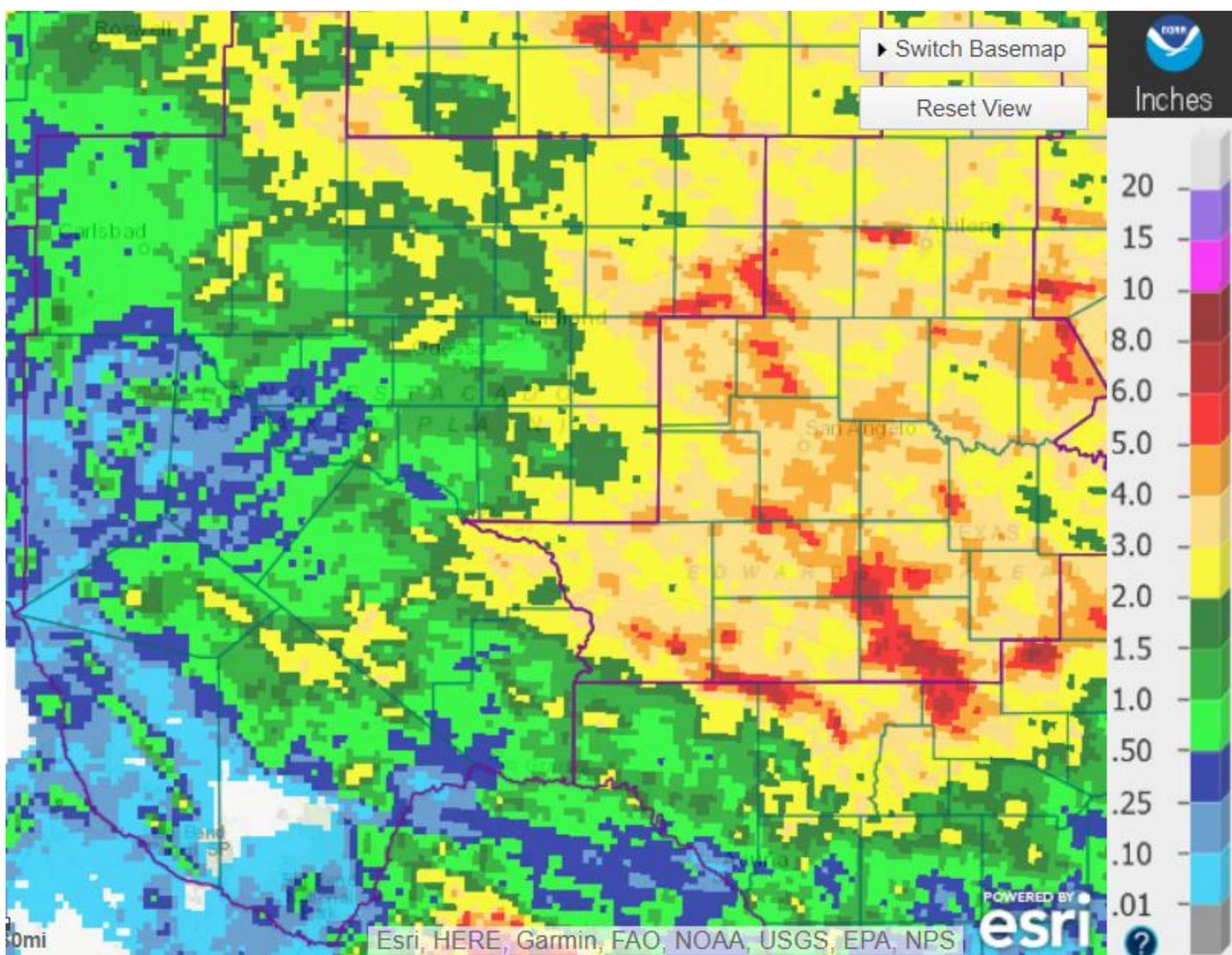
City	AWOS ID	September	August
Alpine	KE38	1.37"	1.46"
Andrews County	KE11	1.31"	0.27"
Artesia, NM	KATS	1.18"	0.90'
Big Spring	KBGP	2.43"	0.05"
Culberson County	KVHN	0.20"	1.86"

Gaines County	KGNC	1.22"	0.59"
Hobbs, NM	KHOB	0.22"	1.63"
Lajitas	KT89	0.38"	1.24"
Lamesa Municipal	KLUV	1.94"	0.01"
Marfa	KMRF	0.07"	0.09"
Midland Airpark	KMDD	0.23"	0.16"
Pecos County	KPEQ	0.15"	2.37"
Presidio County	KPRS	0.58"	0.43"
Reagan County	KE41	0.19"	0.05"
Snyder	KSNK	1.22"	0.07"

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

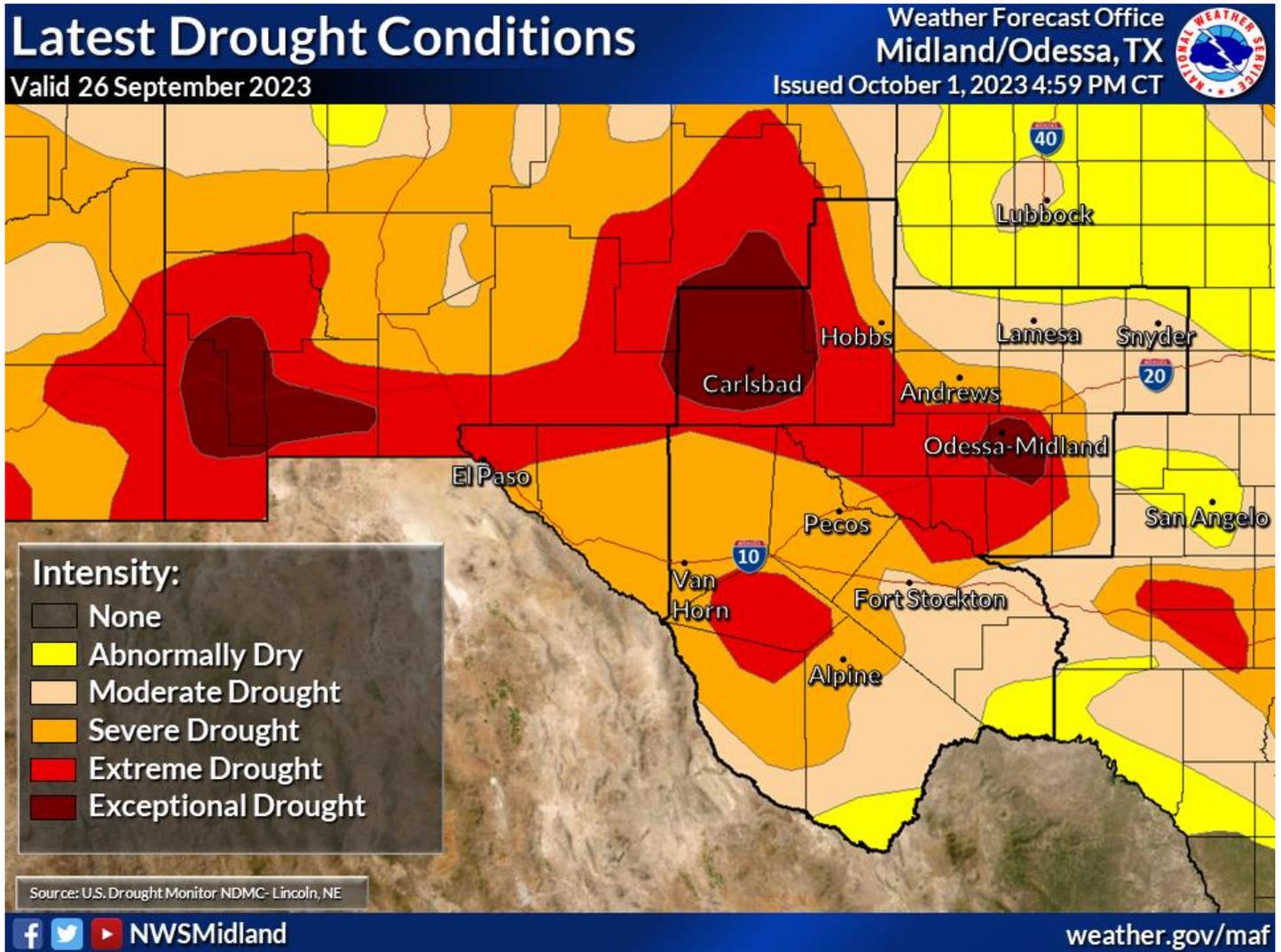
Caprock, Lea County	2.79"
Elephant Mountain, Brewster County	3.16"
Colorado City, Mitchell County	3.21"
Mount Locke, Jeff Davis County	3.25"

82 locations reported rainfall for the month of September, for an HSA average of 1.32".



September Precipitation

Normal September precipitation for Midland International Air and Space Port is 1.66". Total precipitation for 2023 ending October 1st was 2.80", or 8.24" below normal.



Reservoir levels across the HSA averaged 47.2% of conservation capacity as of October 1st:

Reservoir (County, State)	October 1 Conserv Cap (%)	September 1 Conserv Cap (%)
JB Thomas (Scurry, TX)	18.5	19.0
Colorado City (Mitchell, TX)	49.5	50.0
Champion Creek (Mitchell, TX)	56.2	52.3
Natural Dam Salt Lake (Howard, TX)	48.4	48.4
Moss Creek (Howard, TX)	76.0	74.0
Brantley (Eddy, NM)	51.0	45.0
Avalon (Eddy, NM)	32.0	29.0
Red Bluff (Reeves, TX)	45.7	47.9

Non-Routine Products Issued for September:

Flash Flood Watches (FFA): 0

Flash Flood Warnings (FFW): 6

Flash Flood Statements (FFS): 6

Flood Advisories/Statements (FLS): 0

Flood Warnings (FLW): 0

Total Non-Routine Products Issued: 12

**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**