

WFO Midland, Texas

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

February

YEAR

2024

SIGNATURE

J. DeBerry

In Charge of HSA

DATE

March 15, 2024

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.

February was warm and dry. Although increased precipitation is generally favored under El Nino conditions in West Texas and Southeast New Mexico, it appears random (bad) luck has resulted in a lot of "misses" lately. All of New Mexico and West Texas and parts of Texas to the southeast can't seem to catch a break, as noted in monthly radar rainfall plots, the U.S. Drought Monitor, and surface observations. As a result, no notable hydrologic conditions occurred during the month.

Precipitation amounts from area ASOS's:

| City | ASOS ID | February | January |
|----------------|---------|----------|---------|
| Carlsbad, NM | KCNM | 0.22" | 0.02" |
| Fort Stockton | KFST | 0.50" | 0.35" |
| Midland Int'l | KMAF | 0.38" | 0.20" |
| Odessa | KODO | 0.40" | 0.12" |
| Terrell County | K6R6 | 0.43" | 0.01" |
| Wink | KINK | 0.31" | 0.34" |

Precipitation amounts from area AWOS's:

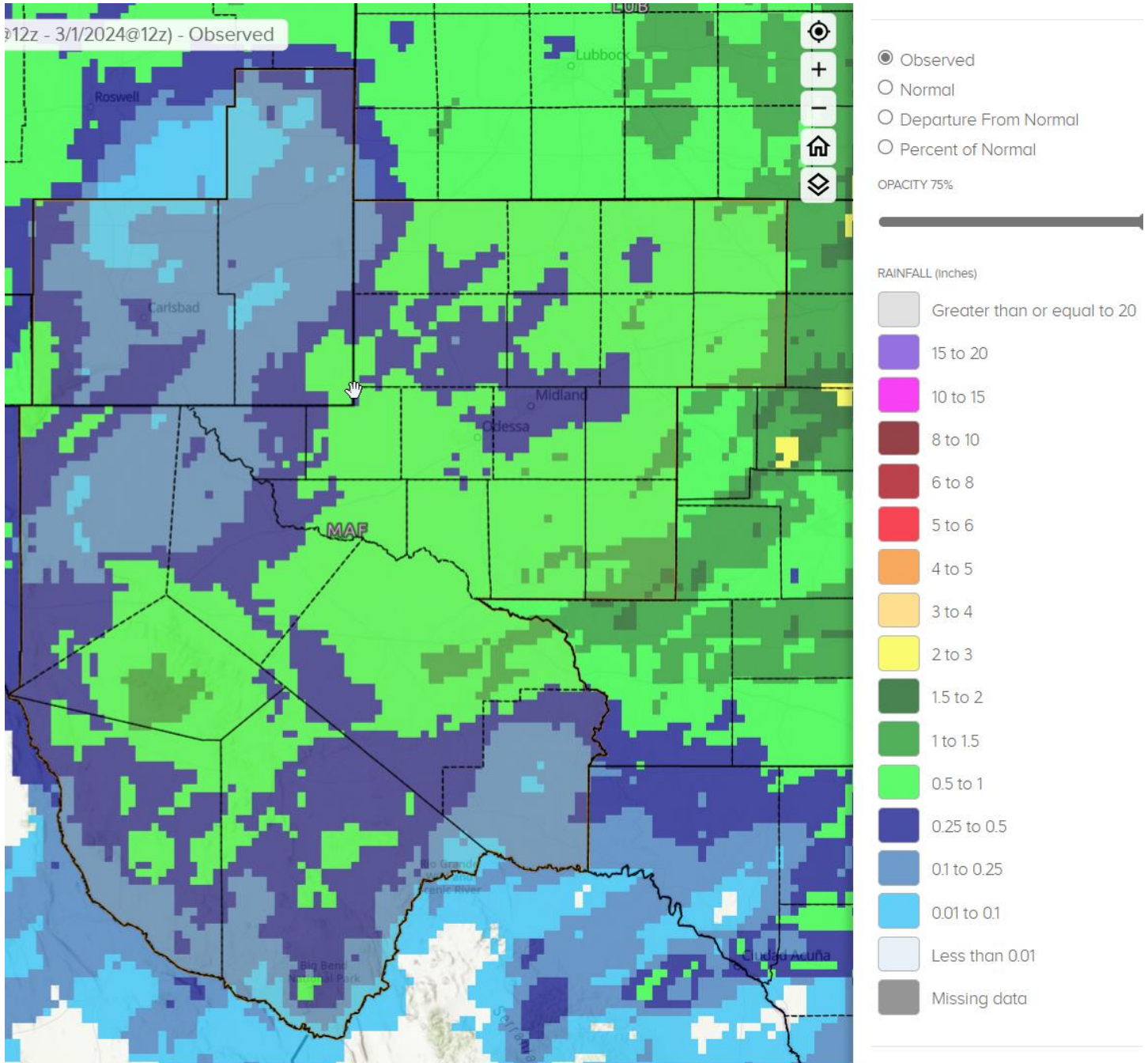
| City | AWOS ID | February | January |
|------------------|---------|----------|---------|
| Alpine | KE38 | 0.91" | 0.33" |
| Andrews County | KE11 | 0.19" | 0.41" |
| Artesia, NM | KATS | 0.17" | 0.09' |
| Big Spring | KBGP | 0.31" | 0.18" |
| Culberson County | KVHN | 0.18" | 0.42" |
| Gaines County | KGNC | 0.42" | 0.18" |
| Lajitas | KT89 | 0.05" | 0.03" |
| Lamesa Municipal | KLUV | 0.13" | 0.13" |
| Marfa | KMRF | 0.73" | 0.18" |
| Midland Airpark | KMDD | 0.28" | 0.08" |
| Pecos County | KPEQ | 0.06" | 0.00" |
| Presidio County | KPRS | 0.23" | 0.37" |

| | | | |
|---------------|------|-------|-------|
| Reagan County | KE41 | 0.99" | 0.24" |
| Snyder | KSNK | 0.59" | 0.44" |

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

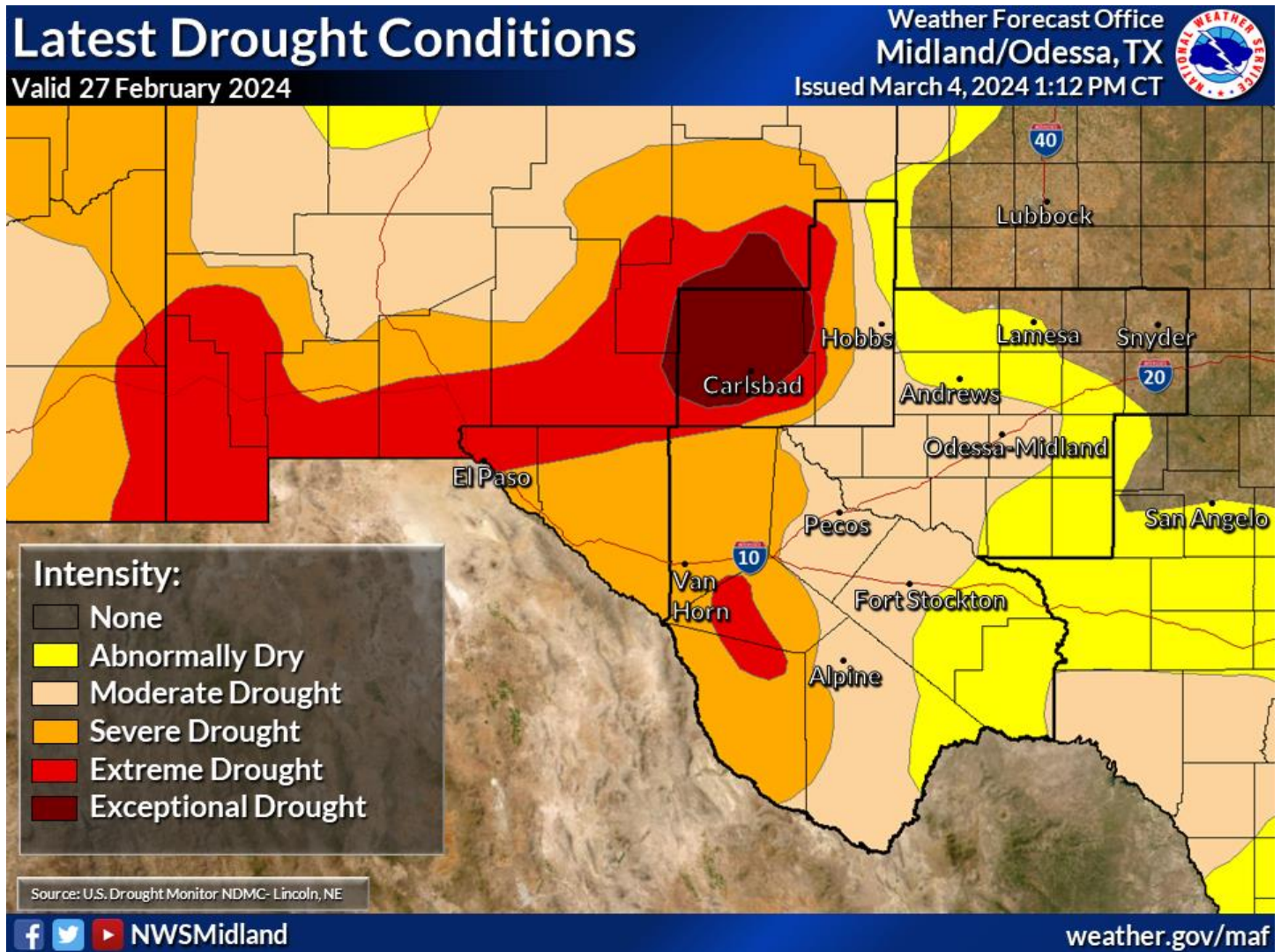
- Mount Locke, Jeff Davis County 1.10"
- Seagraves, Gaines County 1.11"
- Wolf Den DMP, Jeff Davis County 1.16"
- Dog Canyon, Culberson County 1.62"

80 locations reported rainfall for the month of February, for an HSA average of 0.47".



February Precipitation

Normal February precipitation for Midland International Air and Space Port is 0.58". Total precipitation for the year was 0.58", or 0.66" below normal.



Reservoir levels across the HSA averaged 50.0% of conservation capacity as of March 1st:

| Reservoir (County, State) | March 1 Conserv Cap (%) | February 1 Conserv Cap (%) |
|------------------------------------|-------------------------|----------------------------|
| JB Thomas (Scurry, TX) | 21.2 | 21.7 |
| Colorado City (Mitchell, TX) | 47.1 | 47.7 |
| Champion Creek (Mitchell, TX) | 57.2 | 58.0 |
| Natural Dam Salt Lake (Howard, TX) | 48.4 | 48.4 |
| Moss Creek (Howard, TX) | 77.0 | 76.0 |
| Brantley (Eddy, NM) | 53.0 | 49.0 |
| Avalon (Eddy, NM) | 54.0 | 49.0 |
| Red Bluff (Reeves, TX) | 41.7 | 41.7 |

Non-Routine Products Issued for February:

Flash Flood Watches (FFA): 0

Flash Flood Warnings (FFW): 0
Flash Flood Statements (FFS): 0
Flood Advisories/Statements (FLS): 0
Flood Warnings (FLW): 0

Total Non-Routine Products Issued: 0

**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**