

NWS FORM E-5 <small>(11-88)</small> <small>(PRES. by NWS Instruction 10-924)</small>	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 September 2022
TO: Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230 Silver Spring, MD 20910-3283		SIGNATURE <div style="text-align: center; margin-top: 10px;">J. DeBerry</div> <div style="text-align: center; margin-top: 5px;">In Charge of HSA</div> DATE October 15, 2022

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 month of September began with the Rio Grande in minor to moderate flood from its confluence with the Rio Conchos in Presidio downstream through Boquillas. Monsoonal rains in Mexico resulted in heavy inflows into the Luis Leon Reservoir, which in turn necessitated increased releases from Luis Leon. The rivers were in flood most of the month. Little damage was reported, but several places in Big Bend National Park had to be closed off until the flooding receded.

Otherwise, September started off wet, with thunderstorms developing on the 1st in Big Bend National Park in Brewster County. All dirt roads, backcountry roadside campsites, and at least one paved road were closed due to flooding. Heavy rainfall also continued high flows and minor flooding along the Rio Grande. Later that day, thunderstorms developed near Malaga in Eddy County, and several roads were closed along the Black River.

On September 2nd, thunderstorms developed over the lower Trans Pecos, and over 4" of rain fell in Sanderson Canyon, flooding the canyon with several feet of runoff. The runoff did not overtop the control dams built in the canyon to control floodwaters after the disastrous flash flood of 1965, but evacuations were executed of some local residents as a precaution.

Thunderstorms developed in the Permian Basin on the evening of the 14th. Midland in Midland County, as well as Odessa in Ector County, were inundated with radar estimates of up to 3+” in places, closing numerous roads and stalling vehicles.

Precipitation amounts from area ASOS’s:

City	ASOS ID	September	August
Carlsbad, NM	KCNM	0.39”	2.26”
Fort Stockton	KFST	1.30”	3.04”
Guadalupe Pass	KGDP	1.82”	3.00”
Midland Int’l	KMAF	0.64”	4.06”
Odessa	KODO	0.19”	3.68”
Terrell County	K6R6	0.86”	7.94”
Wink	KINK	1.63”	2.76”

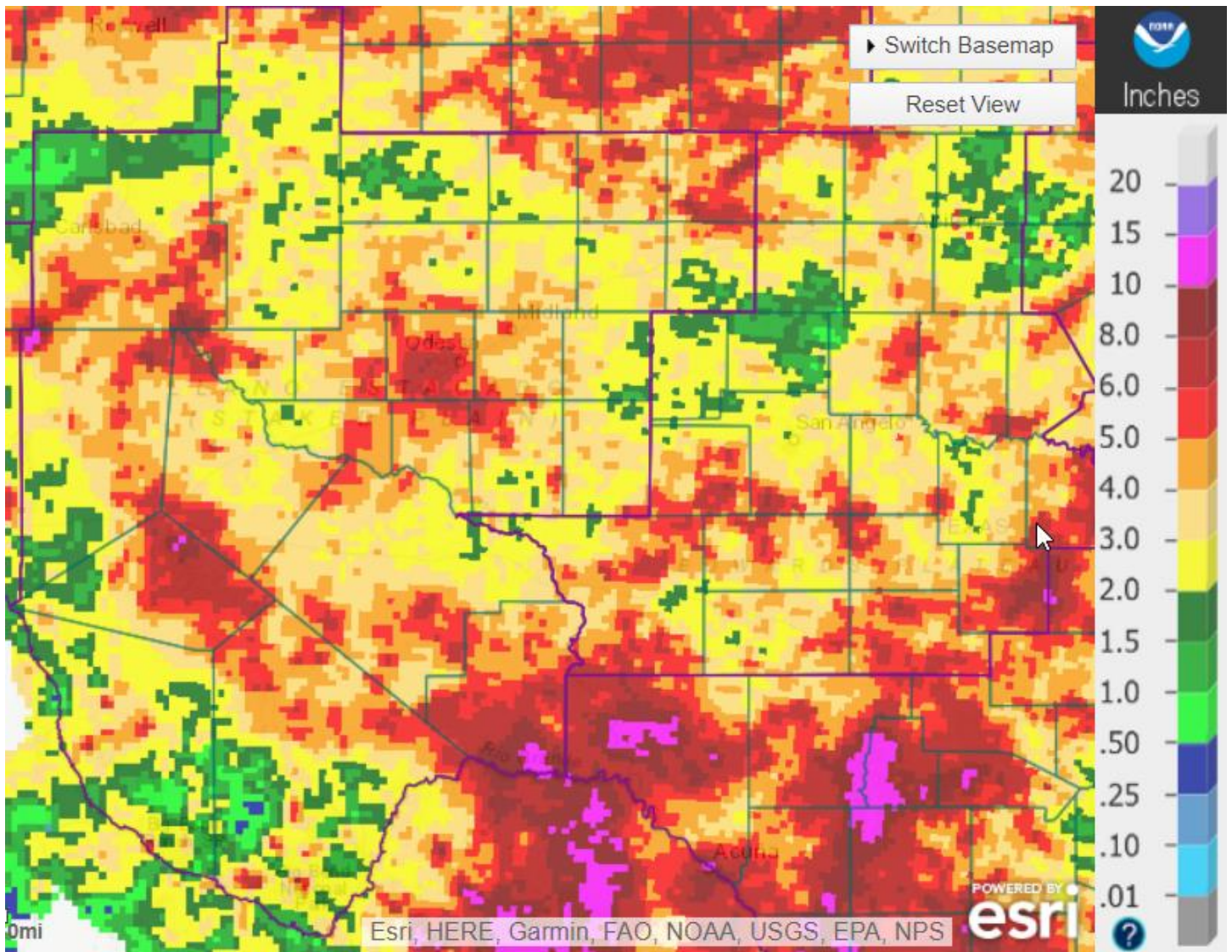
Precipitation amounts from area AWOS’s:

City	AWOS ID	September	August
Alpine	KE38	1.75"	4.66"
Andrews County	KE11	0.49"	3.63"
Artesia, NM	KATS	0.22"	1.43'
Big Spring	KBGP	0.41"	2.38"
Culberson County	KVHN	0.40"	3.89"
Gaines County	KGNC	0.05"	1.00"
Hobbs, NM	KHOB	0.02"	1.86"
Lamesa Municipal	KLUV	1.11"	2.41"
Marfa	KMRF	0.96"	3.85"
Midland Airpark	KMDD	0.71"	0.64"
Pecos County	KPEQ	0.27"	1.63"
Presidio County	KPRS	0.13"	5.89"
Reagan County	KE41	0.37"	1.79"
Snyder	KSNK	0.39"	4.68"

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

Dog Canyon, Culberson County	3.22"
Chisos Basin, Brewster County	3.50"
Wolf Den DMP, Jeff Davis County	4.11"
Kent 9E, Reeves County	5.81"

87 locations reported rainfall for the month of September, for an HSA average of 1.07".



September Precipitation

Normal September precipitation for Midland International Air and Space Port is 1.66". Total precipitation for 2022 ending October 1st was 6.93", or 4.06" below normal.

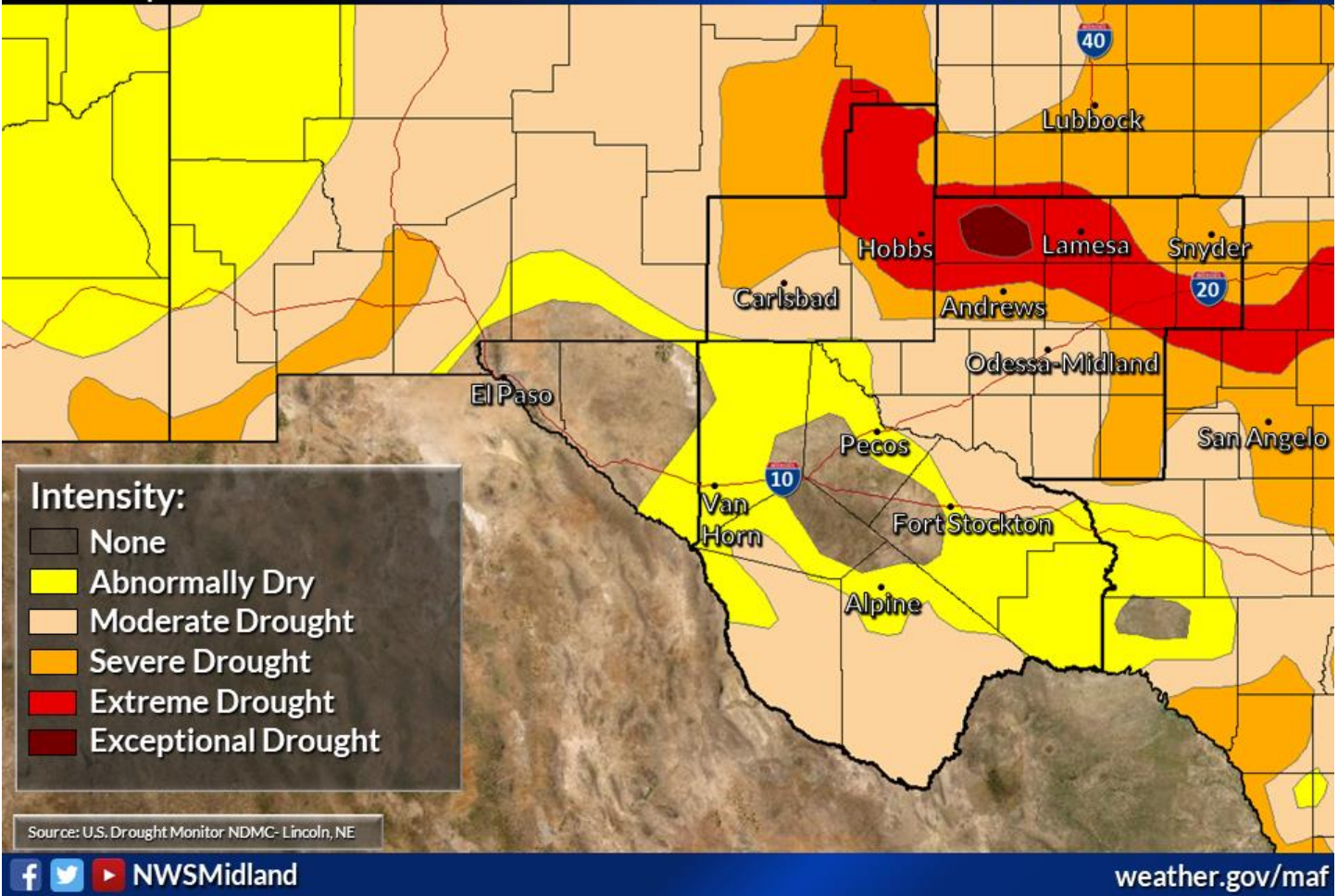
Latest Drought Conditions

Weather Forecast Office
Midland/Odessa, TX



Valid 27 September 2022

Issued September 30, 2022 8:30 AM CT



Reservoir levels across the HSA averaged 51.5% of conservation capacity as of October 1st:

Reservoir (County, State)	October 1 Conserv Cap (%)	September 1 Conserv Cap (%)
JB Thomas (Scurry, TX)	27.0	28.1
Colorado City (Mitchell, TX)	56.6	58.7
Champion Creek (Mitchell, TX)	58.4	60.0
Natural Dam Salt Lake (Howard, TX)	48.4	48.5
Moss Creek (Howard, TX)	60.0	66.0
Brantley (Eddy, NM)	60.0	55.0
Avalon (Eddy, NM)	36.0	26.0
Red Bluff (Reeves, TX)	65.6	63.7

Non-Routine Products Issued for September:

- Flash Flood Watches (FFA): 7
- Flash Flood Warnings (FFW): 13
- Flash Flood Statements (FFS): 13
- Flood Advisories/Statements (FLS): 119

Flood Warnings (FLW): 20

Total Non-Routine Products Issued: 172

**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**