

NWS FORM E-5 (11-88) (PRES. by NWS Instruction 10-924)	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 December YEAR 2020 SIGNATURE J. DeBerry In Charge of HSA DATE January 15, 2020
TO: Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230 Silver Spring, MD 20910-3283		

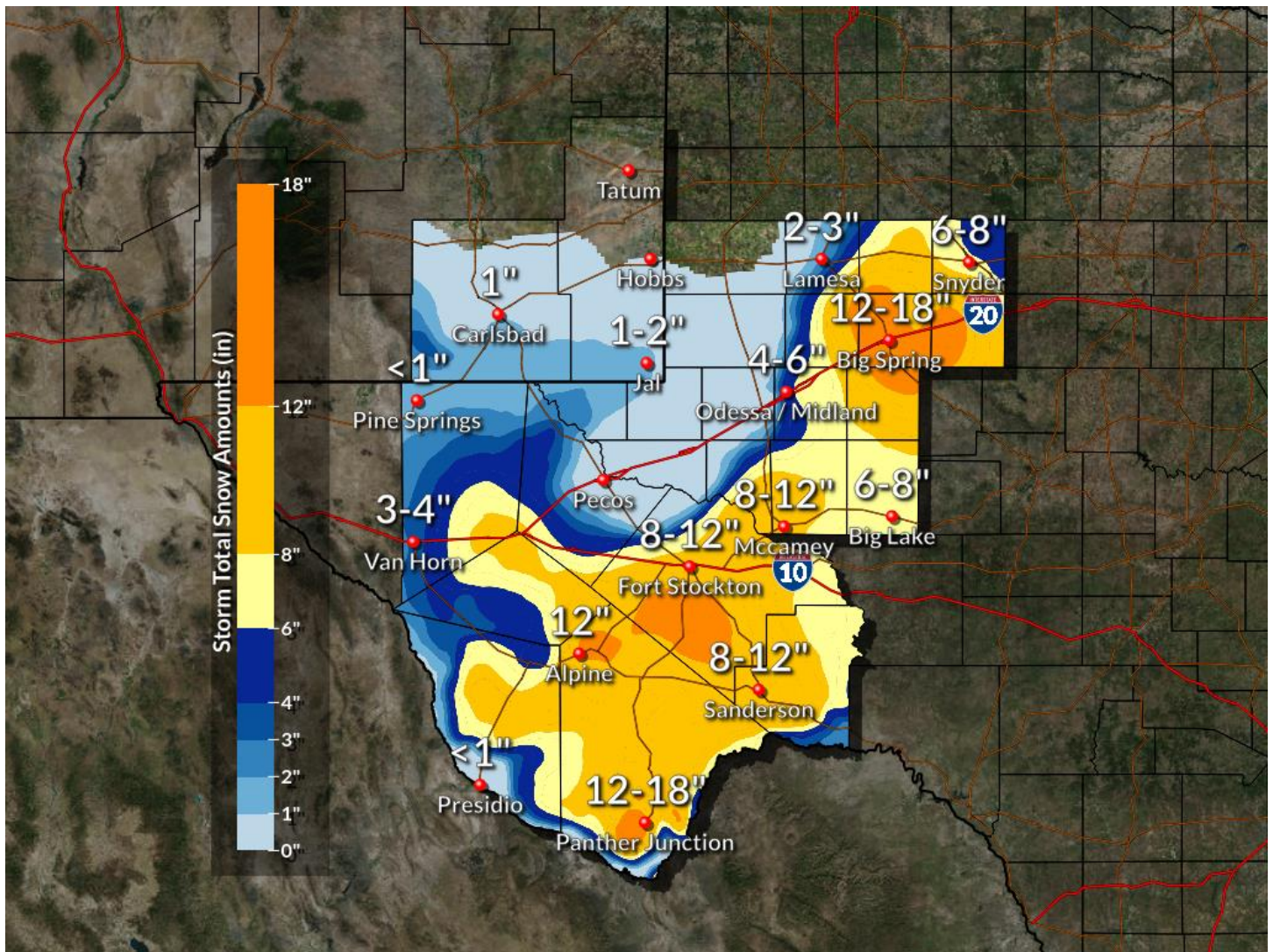
When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924)

An X inside this box indicates that no river flooding occurred within this hydrologic service area.

December would have been another dry month for West Texas and Southeast New Mexico, if not for two winter weather events, both of which were almost entirely comprised of snow. This is unusual for this region, as warmer temperatures aloft and/or a lack of moisture usually yield a mix of rain, freezing rain, sleet, and snow during winter weather.

The first event occurred on December 5th, when an upper-level disturbance laid a swath of 3-6" of snow through the Davis Mountains.

The second event closed out the year on the 30th-31st, when a more potent trough produced record snowfall from the Davis Mountains up through the Stockton Plateau, central and southeast Permian Basin, and upper Colorado River Valley. Most areas received 8-12" of snow, with isolated amounts of 18-24".



December 30th-31st Snowfall Totals

Precipitation amounts from area ASOS's:

City	ASOS ID	December	November
Carlsbad, NM	KCNM	T	0.10"
Fort Stockton	KFST	1.28"	T
Guadalupe Pass	KGDP	0.04"	T
Midland Int'l	KMAF	0.51"	0.48"
Odessa	KODO	0.20"	0.04"
Terrell County	K6R6	1.15"	0.00"
Wink	KINK	0.33"	0.03"

Precipitation amounts from area AWOS's:

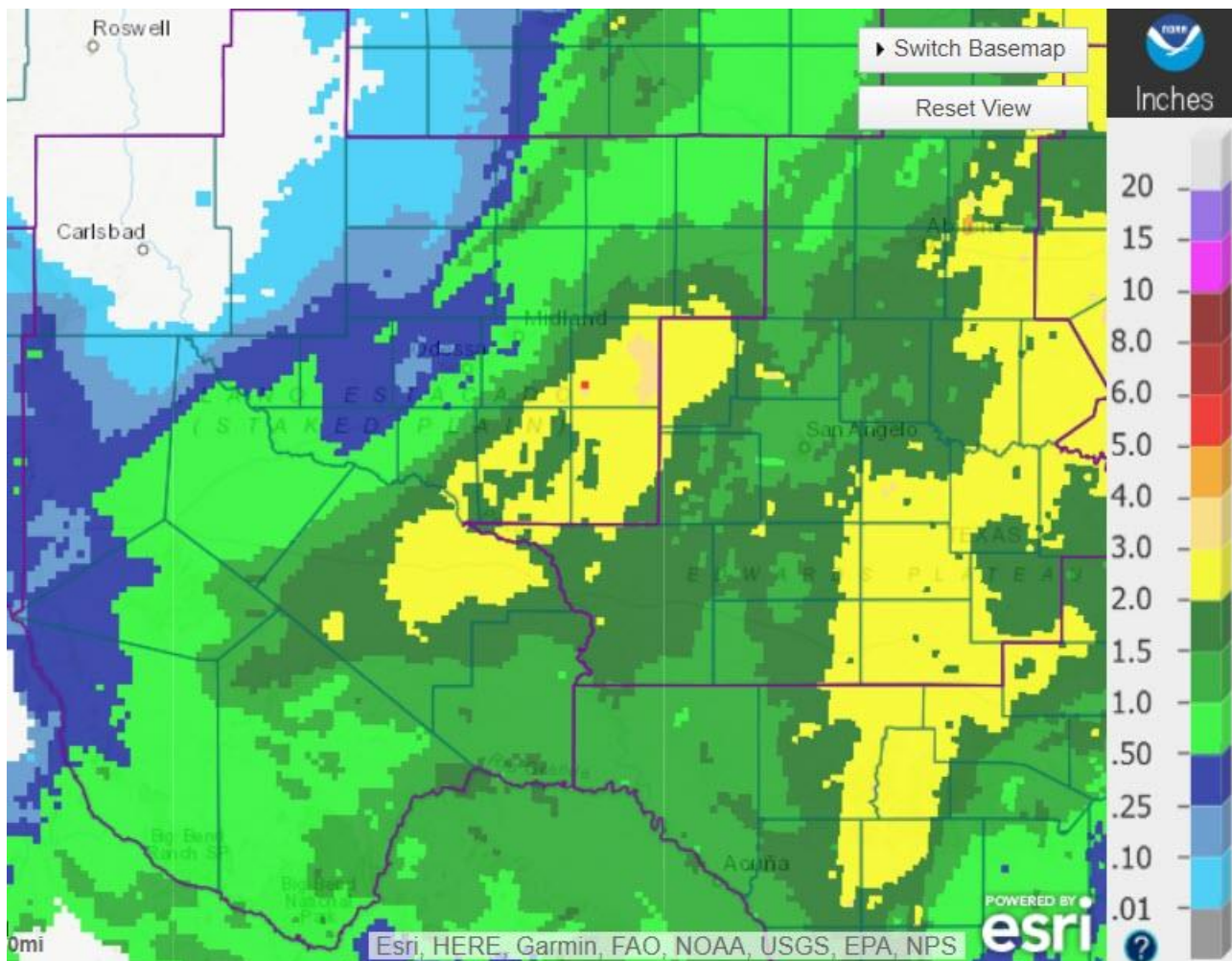
City	AWOS ID	December	November
Alpine	KE38	0.42"	0.00"
Andrews County	KE11	0.19"	0.02"
Artesia, NM	KATS	0.00"	M

Big Spring	KBGP	0.53"	0.12"
Culberson County	KVHN	0.02"	M
Gaines County	KGNC	0.09"	M
Hobbs, NM	KHOB	0.00"	0.02"
Lamesa Municipal	KLUV	0.97"	0.34"
Marfa	KMRF	0.34"	T
Midland Airpark	KMDD	0.20"	0.12"
Pecos County	KPEQ	0.37"	0.00"
Presidio County	KPRS	0.43"	0.00"
Reagan County	KE41	0.91"	0.03"
Snyder	KSNK	0.20"	0.32"

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

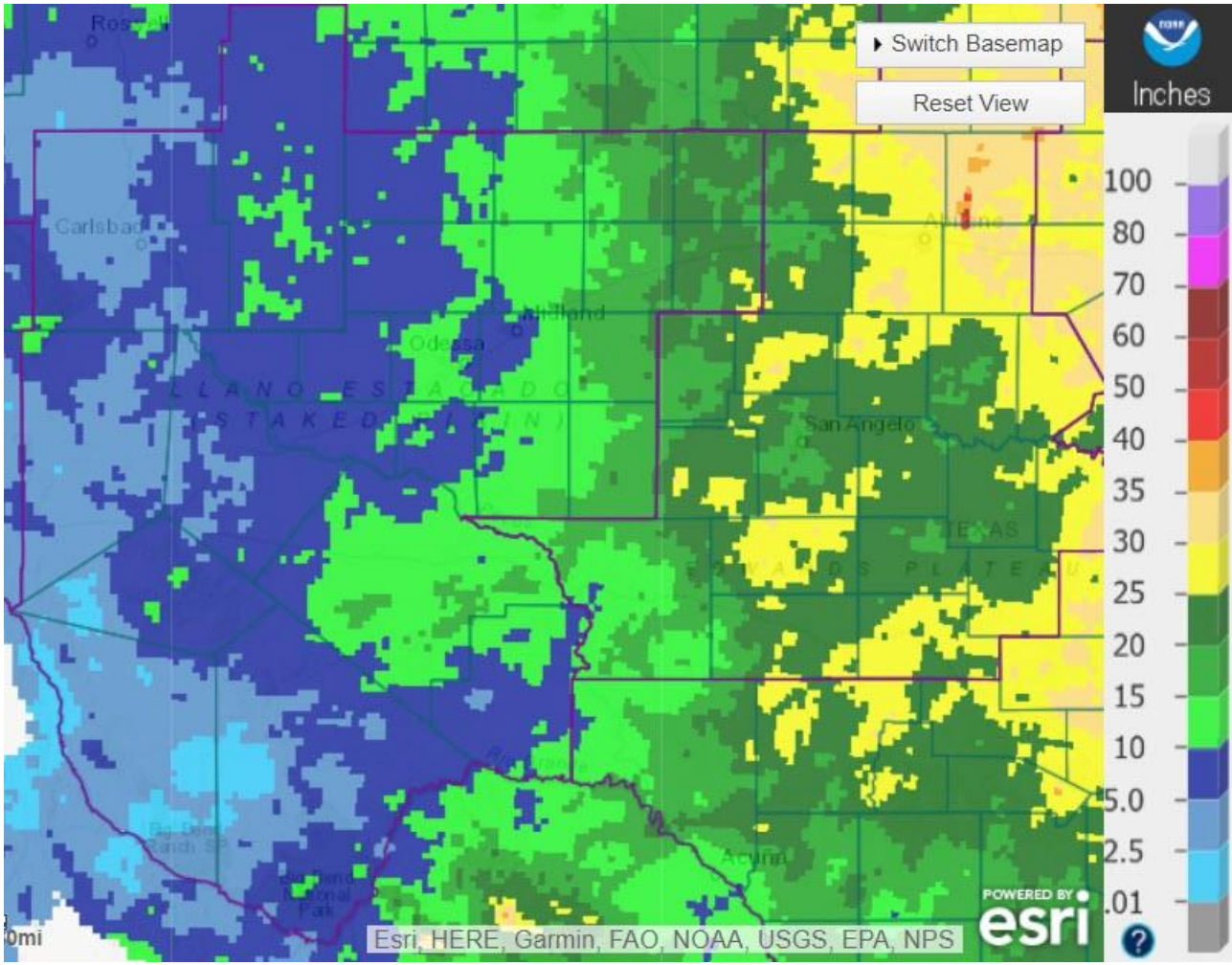
Kent, Culberson County	0.86"
Gail, Borden County	0.98"
Rio Grande Village, Brewster County	1.02"
Persimmon Gap, Brewster County	1.07"

100 locations reported rainfall for the month of December, for an HSA average of 0.38".



December Precipitation

Normal December precipitation for Midland International Air and Space Port is 0.60". Total precipitation for 2020 was 7.86", or 6.74" below normal, and 53.84% of normal.



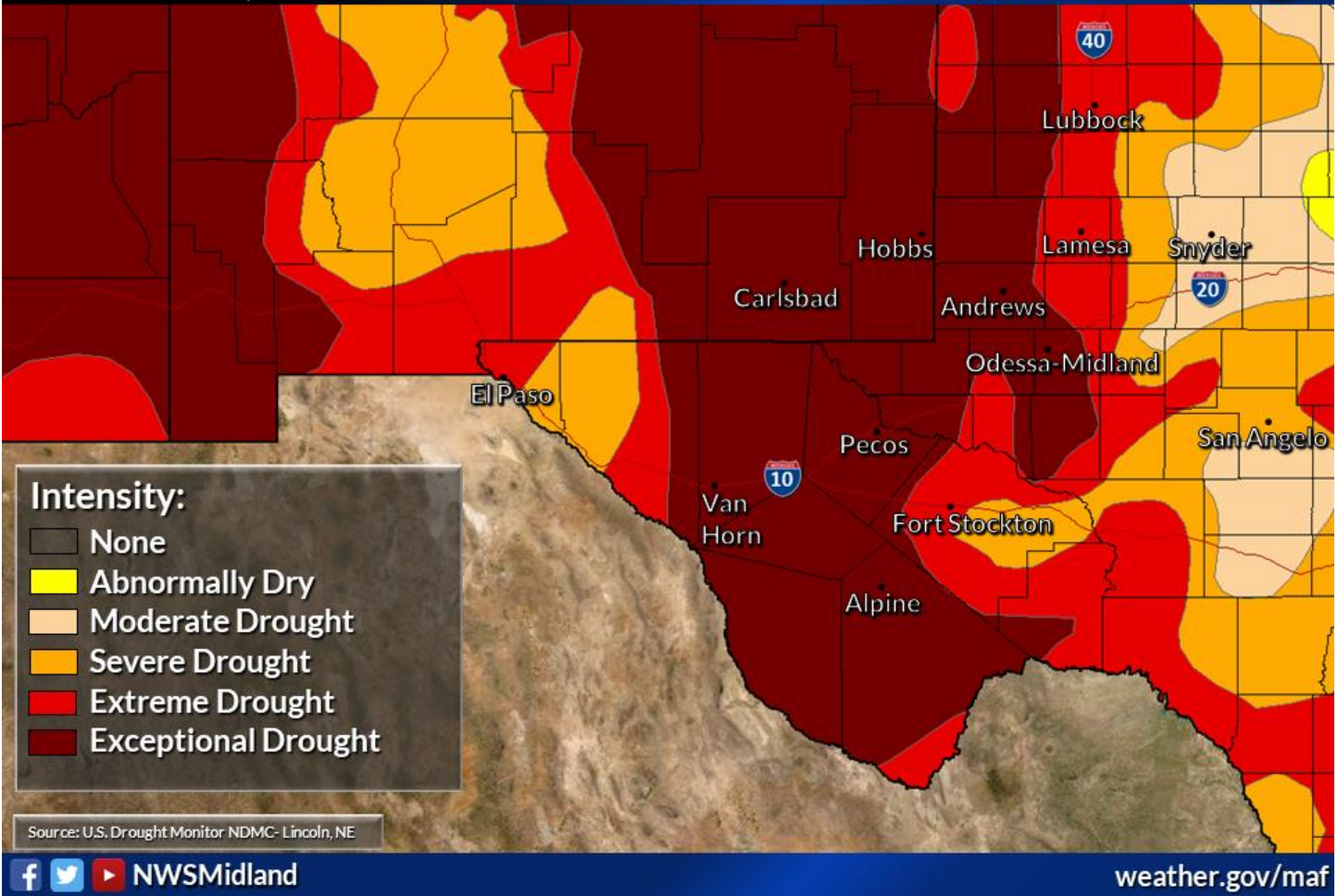
2020 Precipitation

Latest Drought Conditions

Valid 31 December, 2020

Weather Forecast Office
Midland/Odessa, TX

Issued January 1, 2021 4:19 PM CT



Reservoir levels across the HSA averaged 41.1% of conservation capacity as of January 1st:

Reservoir (County, State)	January 1 Conserv Cap (%)	December 1 Conserv Cap (%)
JB Thomas (Scurry, TX)	14.2	15.1
Colorado City (Mitchell, TX)	36.8	36.6
Champion Creek (Mitchell, TX)	58.8	59.1
Natural Dam Salt Lake (Howard, TX)	48.4	48.4
Moss Creek (Howard, TX)	61.0	56.0
Brantley (Eddy, NM)	20.0	14.0
Avalon (Eddy, NM)	42.0	31.0
Red Bluff (Reeves, TX)	47.6	46.6

Non-Routine Products Issued for December:

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**