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 **January** YEAR **2015**
TO: Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230 Silver Spring, MD 20910-3283		SIGNATURE **J. DeBerry** In Charge of HSA DATE **February 15, 2015**

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)

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

January was fairly uneventful, except for a winter storm that brought in the new year. The typical winter storm scenario in West Texas and Southeast new Mexico consists of an upper-level trough, followed by a strong cold front, which arrives just as moisture exits the area to the east. As a result, most precipitation falls as rain. However, for this event, the synoptic pattern was such that cold air preceded the trough. As a result, 2015 began with a messy mixture of rain, freezing rain, sleet, and snow. Up to 5 inches of snow fell in Southeast New Mexico, while further to the southeast, up to 2 inches of ice and sleet accumulated in the Permian Basin. On New Year's Day, much of this wintry mix transitioned to rain in the Permian Basin, to such an extent that numerous high water rescues were necessitated in Odessa due to urban flooding.

The net benefit of this storm is that most of West Texas and Southeast New Mexico have begun the year with a healthy precipitation surplus. However, this surplus will likely transition to a deficit by or during the summer months, as is typical.

Precipitation amounts from area ASOS's:

City	ASOS ID	January	December
Carlsbad, NM	CNM	0.96"	0.47"
Fort Stockton	FST	1.58"	0.39"
Guadalupe Pass	GDP	0.33"(E)	0.51"
Midland Int'l	MAF	2.43"	0.22"
Odessa	ODO	2.39"	0.22"
Terrell County	6R6	1.50"	0.06"
Wink	INK	1.38"	0.38"

Precipitation amounts from area AWOS's:

City	AWOS ID	January	December
Alpine	E38	1.16"	0.26"
Artesia, NM	ATS	0.63	0.11
Big Spring	BGP	1.03"	0.24"
Gaines County	GNC	1.37"	0.38"

Hobbs	HOB	0.45”	0.14”
Marfa	MRF	1.27”	0.03”
Midland Airpark	MDD	0.54”	0.11”
Pecos	PEQ	1.41”	0.16”
Snyder	SNK	1.68”	0.43”

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

St. Lawrence, Glasscock County 2.36”
Mt. Locke, Jeff Davis County 2.49”
Andrews, Andrews County 2.49”
Cope Ranch, Reagan County 2.55”
Lenorah, Martin County 2.78”

96 locations reported rainfall for the month of January, for an average of 1.47”.

Normal January precipitation for Midland International Airport is 0.56”. Total precipitation for Midland International Airport for the year ending February 1st was 2.43”, or 1.87” above normal.

Drought conditions continued to improve across West Texas and Southeast New Mexico during January. As of January 27th, in Southeast New Mexico, only northwest Eddy County remained in moderate drought. The rest of Southeast New Mexico was either abnormally dry or out of drought, mostly out of drought. In West Texas, only eastern Scurry, extreme northeast Mitchell, and southeast Terrell Counties remained in moderate drought. The rest of West Texas was either abnormally dry or out of drought, mostly out of drought.

Reservoir levels across the HSA averaged 57.0% of conservation capacity as of February 1st:

Reservoir (County, State)	**January Conserv Cap (%)**	**December Conserv Cap (%)**
JB Thomas (Scurry, TX)	45.1	45.3
Colorado City (Mitchell, TX)	21.6	21.4
Champion Creek (Mitchell, TX)	5.7	5.6
Natural Dam Salt Lake (Howard, TX)	48.6	48.6
Moss Creek (Howard, TX)	64.0	59.0
Brantley (Eddy, NM)	100.0+	100.0+
Avalon (Eddy, NM)	81.0	67.0
Red Bluff (Reeves, TX)	89.6	87.1

Non-Routine Products Issued for January:

Flash Flood Watches (FFA): 0
Flash Flood Warnings (FFW): 0
Flash Flood Statements (FFS): 0
Flood Advisories/Statements (FLS): 2
Flood Warnings (FLW): 0

Total Non-Routine Products Issued: 2

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