

NWS Form E-5
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(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)
San Angelo, TX

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:
MONTH YEAR
January 2010

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE
Jason Johnson

DATE
February 16, 2010

When no flooding occurs, include miscellaneous river conditions below the small box, 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 flooding occurred within this hydrologic service area.

Precipitation near the end of the month was enough to set daily record rainfall amounts at both Abilene and San Angelo. A few precipitation events occurred during the month, but the main event that occurred from late on the 27th through the 28th brought considerable rainfall to many areas across the hydrologic service area (HSA). At the end of January, most areas across the HSA received above normal monthly precipitation.

On the 27th, a strong upper/mid level storm system was moving from northern Mexico toward the southern plains. At the surface, an arctic front was making slow progress toward west central Texas. By the morning of the 28th, showers and thunderstorms developed across the HSA and persisted through most of the day. Brief periods of heavy rain caused street flooding in Abilene and other urban areas. On the 28th, Abilene reported a daily record rainfall amount of 2.64 inches. San Angelo reported a daily record rainfall amount of 1.40 inches on the 28th.

Average precipitation during the month ranges from 0.75 of an inch to 1.25 inches across the HSA. The average precipitation reported from coop observers in January was 2.86 inches. The highest monthly precipitation total of 4.70 inches was reported in Crockett County. Coop observers in Crockett, Mason, San Saba and Taylor Counties received over four inches of precipitation in January.

The San Angelo Regional Airport received 2.16 inches of precipitation during January, which was 1.34 inches above normal for the month. The monthly normal precipitation for San Angelo in January is 0.82 of an inch.

The Abilene Regional Airport received 3.15 inches of precipitation during January, which was 2.18 inches above normal for the month. The monthly normal precipitation for Abilene in January is 0.97 of an inch.

Junction received 2.32 of an inch of rain during January. The estimated average monthly rainfall in January is about one inch.

Coop Observer Rainfall Totals for January, 2010:

Station Name	Amount (in)		Station Name	Amount (in)
Abilene 2	3.33		Merkel 12SW	3.78
Acton Ranch	4.70		Mertzon 12WNW	1.96
Anson	2.20		Ozona 2	2.85
Albany	3.37		Ozona 22SE	3.90
Ballinger 2NW	3.19		Paint Rock	2.67
Blackwell 6NE	M		Putnam	1.89
Brady	3.22		Red Bluff Crossing	4.21
Brownwood	3.95		Robert Lee	2.21
Burkett	1.94		Roscoe	1.69
Coleman	2.59		Rotan	1.61
Concho Park	3.54		San Angelo WFO	2.19
Eden	3.55		San Saba 7NW	4.21
Eldorado	2.22		Santa Anna 12SSE	3.92
Eldorado 10W	2.45		Silver Valley	2.65
Fort Griffin	2.99		Sonora	2.35
Fort McKavett	2.73		Stamford	M
Glen Cove 2NE	2.10		Sterling City	2.06
Hamlin	M		Taylor Ranch	4.01
Haskell	2.80		Throckmorton 7NE	2.50
Hords Creek Res.	2.02		Water Valley	1.43
Humble Pump	2.65		Water Valley 11NE	2.24
Junction 4SSW	2.70		Winters 1NE	2.51
Lawn	4.21		Woodson	2.63
Mason	4.22		(M) <i>Missing data</i>	
Menard	2.43		(T) <i>Trace</i>	

Reservoir Conditions (end of January, 2010)

Reservoir	Conservation Capacity (Ac-Ft)	End of Month Capacity (Ac-Ft)	Percent of Capacity (%)
Fort Phantom Hill	70,030	50,090	72
Lake Stamford	52,700	38,280	74
Hubbard Creek Lake	317,800	219,630	69
Hords Creek Lake	8,800	3,810	47
Lake Brownwood	131,428	90,980	69
E.V. Spence	488,760	24,050	5
O.C. Fisher	119,200	3,950	3
O.H. Ivie	554,340	235,200	42
Twin Buttes	177,800	44,070	25

Hydro Products Issued

FFW = 2

FFS = 3

FLS = 9 (Urban/Small Stream Flood Advisory)

ESF = 2 (Probabilistic Forecast)

The NWS precipitation analysis can be viewed at <http://water.weather.gov/>.

The total monthly precipitation estimate and percent of normal precipitation for January across the San Angelo HSA is depicted below.

