NWS Form E-5 (04-2006) (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 **March** YEAR **2007**
TO: Hydrologic Information Center, W/OS31 NOAA's National Weather Service 1325 East West Highway Silver Spring, MD 20910-3283		SIGNATURE Jason Johnson DATE **April 15, 2007**

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).

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

The month of March started in a dry pattern, but by the end of the month, Abilene and San Angelo experienced their third wettest March on record. The first sign of moisture return to the area began on the 11th as a strong upper level disturbance and a cold front moved into west central Texas. Thunderstorms developed across the region that produced rain showers most notable across the Big Country, Heartland and Northwest Hill Country. These areas received one to two inches of rain and isolated areas received two to three inches. The remainder of the HSA received 0.10 to 0.50 of an inch of precipitation.

Another good rainfall event occurred starting on the 25th. A storm system that dug deep into northern Mexico slowly tracked across west central Texas. Several rounds of moderate to heavy rainfall occurred mainly across the southern half of the HSA. A few bands of very heavy rain produced three to six inches of rain across portions of the Northern Edwards Plateau and Northwest Hill Country. Numerous country roads and low water crossings flooded in these areas due to the heavy rain. The headwaters of the South Llano River received over six inches of rain causing the river to flood several sections of U.S. Highway 377 south of Junction. The South Llano River State Park evacuated visitors and the bridge entering the park was flooded. The Llano River downstream of Junction and through Mason County ran above bankfull. The Llano River near Junction crested at 14.36 feet (below 16ft - flood stage) on the evening of the 26th. The Llano River near Mason crested at 9.51 feet (below 13ft – flood stage) on the morning of the 27th.

At the end of the month, 29th through 30th, another upper level storm system moved across from the west to generate more showers and thunderstorms. The additional one to two inch rainfall across much of the southern half of the HSA created flooding over already saturated areas. The flooding was mostly isolated to a few urban areas and to roads in low lying areas.

The rainfall in March served to considerably improve the drought conditions across the HSA. Year to date rainfall is now above normal across most of the region. Agricultural conditions have significantly improved. However, the hydrologic improvements will be slower to achieve given the duration of the drought. Surface water resources continue to suffer across many areas.

The San Angelo Regional Airport received 3.86 inches of precipitation during March, which was 2.87 inches above normal for the month. The monthly normal rainfall for San Angelo in March is 0.99 of an inch.

The Abilene Regional Airport received 4.28 inches of precipitation during March, which was 2.87 inches above normal for the month. The monthly normal rainfall for Abilene in March is 1.41 inches.

Junction received 5.56 inches of rain in March. The estimated average monthly rainfall in March is about 1.25 to 1.5 inches.

Coop Observer Rainfall Totals for March, 2007:

Station Name	Amt (in)	Station Name	Amt (in)
Abilene 2	M	Oak Creek Lake	M
Acton Ranch	4.57	Ozona	6.50
Albany	4.69	Ozona 22SE	5.02
Anson	4.65	Paint Rock	6.69
Ballinger 2NW	5.55	Putnam	7.65
Brady	4.63	Red Bluff Crossing	6.59
Brownwood	7.24	Richland Springs	4.75
Burkett	10.32	Robert Lee	5.91
Coleman	7.16	Roscoe	5.25
Concho Park	5.72	Rotan	4.73
Eden	6.61	San Angelo 15WNW	M
Eldorado	3.73	San Angelo WFO	4.18
Eldorado 10W	3.39	San Saba 7NW	5.31
Eldorado 12N	5.26	Silver Valley	6.75
Fort Griffin	M	Sonora	4.37
Fort McKavett	4.51	Stamford	4.68
Glen Cove	5.69	Sterling City	4.32
Hamlin	5.25	Sterling City 8NE	M
Haskell	5.63	Taylor Ranch	5.38
Hords Creek	5.26	Telegraph	4.54
Humble Pump	3.88	Throckmorton 7NE	3.21
Junction 4SSW	M	Water Valley	5.79
Lake Abilene 6WNW	4.23	Water Valley 11NE	6.01
Lawn	5.92	Winters	5.48
London 3N	5.24	Woodson	4.17
Mason	5.04		
Menard	4.98	(M) *Missing data*	
Merkel 12SW	3.82	(T) *Trace*	

Reservoir Conditions (end of March, 2007)

Reservoir	Conservation Capacity (Ac-Ft)	End of Month Capacity (Ac-Ft)	Percent of Capacity (%)
Fort Phantom Hill	70,030	37,740	54
Lake Stamford	52,700	33,360	65
Hubbard Creek Lake	317,800	165,020	52
Hords Creek Lake	8,800	4,890	60
Lake Brownwood	131,428	117,180	89
E.V. Spence	488,760	69,880	14
O.C. Fisher	119,200	7,980	7
O.H. Ivie	554,340	223,000	40
Twin Buttes	177,800	46,650	26

Hydro Products Issued

FFA = 9
FFW = 10
FFS = 8
FLW = 2 (Areal Flood Warning)
FLW = 1 (Forecast Point)
FLS = 2 (Flood Statement, Areal)
FLS = 2 (Flood Statement, Forecast Point)
FLS = 15 (Flood Advisory)
RVS = 4
ESF = 1 (Spring Flood Outlook)
ESF = 2 (Drought Statement)
PNS = 2 (Drought Statement)