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 YEAR **September 2006**
TO: Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230 Silver Spring, MD 20910-3283		SIGNATURE **Lora J Mueller** In Charge of HSA DATE **October 14, 2006**

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 flooding occurred within this hydrologic service area.**

The first half of September continued the wet pattern that August set up. All but one day (September 7) through September 18 had rain somewhere across the CWA. After the 18th, the area began to see less and less rainfall with only a few locations receiving small amounts (generally less than 0.10 inches). However, flooding on the Rio Grande continued throughout the month. Around mid-September, Luis Leon Reservoir (El Granero) in Mexico began releasing water into the Rio Conchos which further added to the rising/falling river levels on the Rio Grande. The releases continued through late September.

Throughout the month, various river flood forecasts/products (RVF, RVS, FLW, FLS) were issued from Candelaria down through the Rio Grande Village. The flooding on the Rio Grande continued until September 29 when the final cancellation FLS was issued. Recent visits to portions of the Southwestern CWA proved to be very green with the fall blooming in the desert happening a little early.

With the Rio Grande flooding, lessons were continually learned. When the first “wave” of water made it down from El Paso to Candelaria in August, many were surprised as this had not happened during our known history. Through September, small “waves” continued to be tracked from El Paso through Fort Quitman and down into the river gages located around Presidio. In addition, several aquifers that were previously unknown were found by research done by the WGRFC as water level behavior continued to surprise everyone.

Midland International Airport received 1.26 inches of rainfall in September compared to 5.92 in August. Additional rainfall records for the month:

City	ASOS ID	Monthly Total	Departure from Last Month
Big Spring	BPG	2.64 inches	-0.36 inches
Carlsbad	CNM	5.12 inches	+3.00 inches
Fort Stockton	FST	0.65 inches	-0.93 inches
Odessa	ODO	1.94 inches	-1.35 inches
Snyder	SNK	2.14 inches	-0.10 inches
Dryden	6R6	1.22 inches	-0.35 inches
Wink	INK	1.64 inches	-4.90 inches

Reservoir levels across the Hydrologic Services Area averaged 43.14% of conservation capacity at the end of September compared to 43.29% at the end of August. Champion Creek remained the lowest at 13% and Lake Colorado City was highest at 79% (indicating a 1% increase from August). Despite the recent rainfall amounts, the reservoir levels continued to make a notable decrease over the past month.

Products Issued:

Flash Flood Watches: 2
Flash Flood Warnings: 17
Flash Flood Statements: 22
Flood Warnings: 9
    River Flood Warnings: 9
    Non-River: 0
Flood Statements: 70
    River Flood Statements: 50
    Non-River: 20
Hydrologic Statements (RVSMAF): 65
Drought Statements: 4
Total Products: 160

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cc:email: HIC, SRH, W/SR2, W/SR3, W/SR-ABQ, W/SR-ELP, W/SR-FWR, /SR-LBB, W/SR-MAF, W/SR-SJT