

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) NEW ORLEANS/BATON ROUGE, LA
	MONTHLY REPORT OF HYDROLOGIC CONDITIONS	REPORT FOR: MONTH JANUARY YEAR 2007
TO: Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230 Silver Spring, MD 20910-3283	SIGNATURE PAUL S. TROTTER, METEOROLOGIST-IN-CHARGE	DATE FEBRUARY 15, 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.

...TURBULENT WEATHER OVER REGION DURING JANUARY...

The New Year started with persistent floods that had developed late in December 2006. In Louisiana, flooding continued into January on the Tickfaw River at Liverpool; the Tangipahoa River at Robert; the Bogue Chitto River at Franklinton; and the Bogue Falaya River at Covington. In Mississippi, flooding continued into January on the West Hobolochitto River at McNeil and on the East Hobolochitto River at Caesar. These floods had all ended by January 3rd.

Stormy weather and more heavy rain developed during the first week of 2007. Areal rainfall amounts of 1.75 to 2.12 inches occurred over southeastern Louisiana and southern Mississippi. New floods developed over the first three days of January on the Tchefuncte River at Covington and Folsom; on the Bogue Chitto River at Bush; and on the Lower Pearl River at Bogalusa and Pearl River. These floods receded by January 5th. Light rain over already-saturated soils produced floods late in the week on the Bogue Chitto River at Bush and flooding redeveloped on the Tangipahoa River at Robert.

A cold front pushed into the Lower Mississippi River Valley during the week of January 8th through 14th. However, areal rainfall amounts were less than 0.20 inch. By January 8th, all floods had ended.

Major weather changes developed after January 15th, when a strong weather disturbance pushed to the Gulf of Mexico and stalled over the region. Rain occurred most of the week, as warm moist air filtered over the region from January 16th through 19th. Areal rainfall amounts ranged from 0.75 inch to 1.6 inch. Flooding continued on the Lower Pearl River at Bogalusa until January 18th and continued at Pearl River until January 19th. New flooding developed on the Atchafalaya River at Morgan City and continued into February. Flooding ended and redeveloped briefly on the Lower Pearl River at Pearl River on the 19th.

Copious rainfall during the week of January 22nd through 28th fell over already-saturated soils. Several locations recorded over 3.0 inches for the week. Areal rainfall averages ranged from 3.1 inches over southeast Louisiana to 2.0 inches over east-central Louisiana. With water from upstream contributing to rises, flooding developed on the Lower Mississippi River at Red River Landing on January 24th and continued into February.

Cyclogenesis occurred in the western Gulf on January 31st. With frontal overrunning across southeastern Louisiana and southern Mississippi, light rain occurred and persisted into February.