

<b>NWS FORM E-5</b> (11-88) (PRES. by NWS Instruction 10-924)	<b>U.S. DEPARTMENT OF COMMERCE</b> NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE	HYDROLOGIC SERVICE AREA (HSA)	
		<b>NWFO NEW ORLEANS/BATON ROUGE, LOUISIANA</b>	
<b>MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS</b>		REPORT FOR: MONTH <b>FEBRUARY</b> YEAR <b>2005</b>	
		SIGNATURE Paul S. Trotter, Meteorologist-In-Charge	
TO: Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230 Silver Spring, MD 20910-3283		DATE <b>APRIL 15, 2005</b>	

*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)*

### **...FLOODING CONTINUED ALONG MISSISSIPPI AND ATCHAFALAYA RIVERS...**

The strongest weather system of February occurred February 1<sup>st</sup> and February 2<sup>nd</sup>. Several locations in southeastern Louisiana recorded rainfall in excess of 5.00 inches. The highest totals were recorded at Oaknolia with 8.09 inches and Algiers with 6.81 inches. Street flooding was reported in Jefferson Parish and at Bayou Bonfouca in St. Tammany Parish.

Strong storm systems during January produced considerable flooding along the Lower Mississippi River and the Atchafalaya River, which continued into February 2005. As additional water entered the region from upstream, the heavy rainfall exacerbated pre-existing floods along the Lower Mississippi River at Red River Landing, Baton Rouge, Donaldsonville, and Reserve and along the Atchafalaya River at Morgan City. These floods crested by February 3<sup>rd</sup> and receded by mid February, the exception of the Atchafalaya River. Flooding was minor, with the exception of the floods at Red River Landing and at Baton Rouge.

New flooding also developed during the first week. In Louisiana, the Amite River flooded at Denham Springs and at Bayou Manchac Point; the Tangipahoa River flooded at Robert; the Bogue Chitto River flooded at Bush; and the Lower Pearl River flooded at Bogalusa and at Pearl River. In Mississippi, the West Hobolochitto Creek flooded at McNeil; the Wolf River flood near Gulfport; the East Hobolochitto Creek flooded at Caesar; and the Biloxi River flooded at Lyman. Most of these rivers had crested and quickly receded by February 5<sup>th</sup>, with the exception of the Lower Pearl River. All flooding was minor.

Widespread rainfall occurred for this region from February 8<sup>th</sup> through February 10<sup>th</sup>, as another front moved into southwest Mississippi and central Louisiana and stalled. After a brief period of high pressure and fair weather, another front triggered widespread, heavy rainfall over the area on February 14<sup>th</sup>. For the remainder of February, a series of fronts pushed through the region, with the greatest rainfall amounts occurring over the region from February 23<sup>rd</sup> through February 25<sup>th</sup>.

With the storms during the second week of February, flooding developed on the Bogue Chitto River at Tylertown, Mississippi and at Bush, Louisiana. Flooding on the Bogue Chitto River crested by February 13<sup>th</sup> and receded. Flooding on the Lower Pearl River was exacerbated; the river crested by February 15<sup>th</sup> and receded late in February. The Atchafalaya River crested at Morgan City by February 8<sup>th</sup>, but remained in flood into March. All flooding was minor except at Tylertown, Mississippi.

In February, the greatest rainfall for this region occurred at Bayou Sorrel with 13.66 inches; Franklin 3NW with 13.01 inches; Houma with 12.72 inches; Algiers with 11.80 inches; and Thibodaux 3ESE with 11.49 inches. Areal average rainfall for February was 9.13 inches in southeastern Louisiana, 4.25 inches above the normal. In south-central Louisiana, the areal average was 8.55 inches, 4.27 inches above the normal.

<b>Location</b>	<b>River</b>	<b>Flood Stage</b>	<b>Crest</b>	<b>Category</b>
Red River Landing	Mississippi	48.0 feet	55.1 feet	Moderate
Baton Rouge	Mississippi	35.0 feet	38.5 feet	Moderate
Tylertown	Bogue Chitto	15.0 feet	17.9 feet	Moderate

<b>Products Issued For River Forecast Points:</b>	<b>FLW</b>	Flood Warnings	24	<b>ESF</b>	Spring Outlook 1
	<b>FLS</b>	Flood Statements	278		