

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 APRIL YEAR 2007
TO: Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230 CHARGE Silver Spring, MD 20910-3283	SIGNATURE PAUL S. TROTTER, METEOROLOGIST-IN-	DATE MAY 15, 2007

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.

...DROUGHT CONDITIONS EASED IN APRIL 2007...

April's weather began as a mixed bag that ranged from balmy, humid conditions at the start to frigid weather by the end of the first week. In the moist, unstable airmass, thunderstorms occurred by April 2nd. Next, a cold front pushed through Louisiana and Mississippi, bringing frigid weather by April 4th. When a low pressure area developed over the western Gulf of Mexico and combined with the cold air, light snow and sleet developed over southeastern Louisiana and southwestern Mississippi by April 8th. Areal average rain totals for the period ending April 8th were 0.50 inch or less across the region.

The weather rollercoaster continued from April 9th through 15th. At the start of the week, a warm front over the Gulf of Mexico produced light rain over coastal Louisiana. As this front pushed north, rain developed across the entire region. Fair weather briefly returned on April 13th. However, by the next day, very cold, very windy weather pushed into the southern United States. Across this region, areal rainfall ranged from around 1.00 to 1.25 inches. The Atchafalaya River briefly rose above its flood stage at Morgan City on April 11th and again on April 14th.

A series of cold fronts moved across the area through the end of April. On April 18th, widespread light rain occurred over Louisiana and Mississippi, though no rain developed on April 20th, when a front stalled along the coast. Areal rainfall amounts averaged 0.25 inch or less for the week ending April 20th. The Atchafalaya River briefly rose above its flood stage at Morgan City on April 18th.

Thunderstorms produced locally heavy downpours over Louisiana and Mississippi from April 24th through 26th. Several areas measured over 2.0 inches. Areal average rainfall for the period ranged from around 0.75 inch to 1.58 inches. The Atchafalaya River briefly rose above its flood stage at Morgan City on April 25th and again on April 26th.

As April ended, high pressure produced fair, dry weather over the region.

Drought...

Abnormally dry soil conditions spread into the River Parishes of Louisiana by April 3rd. At the same time, moderate drought spread over most of coastal Mississippi, as well as Walthall, Amite, and Pearl River Counties. Moderate drought also plagued parts of Pike County in Mississippi and Washington Parish in Louisiana. By April 17th, heavy rain helped ease the drought conditions a bit. Moderate drought lingered over the portions of Wilkinson, Amite, Pike, Walthall, and Harrison Counties, along with Jackson Counties in Mississippi. Abnormally dry conditions also eased except over the Florida Parishes. Soil conditions began to dry out again around April 24th. Moderate drought conditions spread back over all of southwest Mississippi and almost all of coastal Mississippi, along with the northeast corner of Washington Parish in Louisiana.