

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) NWFO New Orleans/Baton Rouge, LA
		REPORT FOR: MONTH YEAR MARCH 2010
MONTHLY REPORT OF HYDROLOGIC CONDITIONS		SIGNATURE Kenneth Graham, Meteorologist-In-Charge
TO: Hydrologic Information Center, W/OS31 NOAA's National Weather Service 1325 East West Highway Silver Spring, MD 20910-3283		DATE April 15, 2010

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).

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

...Drier Weather for Southeastern Louisiana and Southern Mississippi in March...

After a very wet winter, conditions dried out during March across southeastern Louisiana and southern Mississippi. By March 22nd, the region had experienced six weeks of below normal rainfall.

Cold weather dominated the first week of March, with heavy rains on the first two days. For the week ending March 7th, areal average precipitation ranged around 1.00 to 1.50 inches.

Stormy weather on March 9th and 10th yielded significant rains across Mississippi and Louisiana. High pressure produced fair weather over the region from March 12th through March 19th, though spotty light rain developed on March 17th. A strong frontal boundary produced widespread rains on March 20th and 21st. Areal average rainfall totals for the week ending March 14th ranged from around 0.45 inch to 0.82 inch. Areal average rain totals for the week ending March 21st ranged from around 0.25 inch up to 1.29 inches, which fell over southeast Louisiana.

Fair weather persisted from March 22nd through March 24th. Strong storms and heavy rainfall developed on March 25th and 26th. Aside from the passage of a dry frontal boundary on March 28th, high pressure dominated the weather over Mississippi and Louisiana through the end of the month. For the week ending March 28th, areal average rain totals ranged from 0.15 to 0.50 inch. The remainder of March was dry.

Flooding...

The Atchafalaya River rose above the flood stage at Morgan City in January and minor flooding continued through March 15th. Heavy rainfall and waters routed down the Mississippi River pushed Atchafalaya River back into flood on March 21st. Minor flooding developed again on March 25th and continued into April.

Heavy rainfall during the first week of March produced flooding on the Tangipahoa River at Robert, LA and on the Lower Pearl River at Bogalusa, LA. These floods ended by March 7th. Flooding developed again at Bogalusa on March 13th and ended on March 22nd.

Monthly Reports by Agricultural Region	Areal Average	Departure from Normal
Southwest Mississippi (2 Sites)	3.28	N/A
South Central Mississippi (2 Sites)	2.69	-3.72
Coastal Mississippi	5.20	-1.32
Central Louisiana (2 Sites)	2.90	-2.06
East Central Louisiana	2.95	-3.09
South Central Louisiana (7 Sites)	2.17	-2.82
Southeast Louisiana	3.73	-1.81

Extreme Rainfall for the Month (Inches and Departure from Normal)

Boothville, LA	8.04	+2.71	Biloxi, MS	5.65	-0.51
Pascagoula 3NE	0.00	-6.22	Bay Saint Louis, MS	0.12	-6.64

Drought...

Soils conditions remained normal throughout March across southeastern Louisiana and southern Mississippi.