WS FORM E-5 U.S. DEPARTMENT OF COMMERCE 1-88) NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION RES. by NWS Instruction 10-924) NATIONAL WEATHER SERVICE		HYDROLOGIC SERVICE AREA (HSA) NEW ORLEANS/BATON ROUGE, LA
MONTHLY	REPORT OF HYDROLOGIC CONDITIONS	REPORT FOR: MONTH YEAR SEPTEMBER 2012
TO:	Hydrometeorological Information Center, W/OHNOAA / National Weather Service 1325 East West Highway, Room 7230	KENNETH GRAHAM METEOROLOGIST-IN-CHARGE
	Silver Spring, MD 20910-3283	OCTOBER 15, 2012

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

...Widespread Flooding Continued over Mississippi and Louisiana in the Wake of Hurricane Isaac...

Hurricane Isaac formed on August 28, 2012 and made landfall between Buras and Port Fourchon in Louisiana. The hurricane progressed to the Arkansas border on August 30th, although feeder bands persisted over Mississippi and Louisiana through the first days of September. By September 5th, a remnant of Hurricane Isaac moved south from the Ohio River Valley back to the Gulf of Mexico. That remnant remained quasi-stationary along the Gulf Coast until September 8th, when a cold front steered the storm northeast, away from Louisiana and Mississippi.

The bulk of the heavy rains occurred during August in Hurricane Isaac. Rain totals over 10.0 inches were reported at several locations; Livingston, LA measured 17.87 inches by September 2nd. Areal rainfall totals for August 27th through September 2nd, were over 7.0 inches for southeast and east-central Louisiana. For the weather week ending September 9th, areal rain totals ranged were less than 0.2 inch, except over southeast Louisiana and coastal Mississippi. Over southeast Louisiana, the remnants of Hurricane Isaac produced a rainfall average of 0.73 inches. Heavier rainfall developed over coastal Mississippi, where areal totals were over 5.0 inches. Ocean Springs measured 7.30 inches on September 5th.

As a result of Hurricane Isaac, significant flooding continued into September in the following Louisiana Parishes: Ascension; Assumption; East Baton Rouge; East Feliciana; Iberville; Jefferson; LaFourche; Livingston; Orleans; Plaquemines; St. Bernard; St. Charles; St. Helena; St. James; St. John the Baptist; St. Tammany; Tangipahoa; Terrebonne; Washington; West Baton Rouge; and West Feliciana. In Mississippi, significant flooding continued in Hancock, Harrison, Jackson, and Pearl River Counties.

Moderate flooding developed at Biloxi on the Wolf River by August 31st. As the waters continued to rise, a new flood record became established on the Wolf River near Gulfport on September 1st. Minor flooding started on September 1st on the Pascagoula River at Graham Ferry. All Mississippi floods were done by September 9th.

Across southeastern Louisiana, flooding reached major levels on September 1st at Robert on the Tangipahoa River; on September 2nd at Bush on the Bogue Chitto River; and on September 4th at Pearl River on the Lower Pearl River. Moderate flooding developed on the Tickfaw River at Killian by September 4th. The Lower Pearl River reached 20.99 feet at Bogalusa on the Lower Pearl River, just below its moderate stage of 21.0 feet. At Little Prairie on the Amite River, minor flooding started on September 1st. All Louisiana floods were done by September 10th.

From September 10th through the remainder of the month, periods of heavy rainfall developed across the region. For the weather week ending September 16th, areal rainfall totals were generally less than 0.25 inch. Around September 17th, a major low pressure system produced rain amounts of over 3.0 inches at many locations. For the weather week that ended September 23rd, areal rainfall totals were generally 1.15 to 1.8 inches. During the last week of September, yet another major frontal boundary induced heavy rains across Louisiana and Mississippi. By September 30th, minor flooding had developed on the Bogue Falaya River in downtown Covington, LA; on the Bogue Chitto River at Bush, LA; and on the West Hobolochitto Creek at McNeill, MS. The flooding continued at Covington and McNeill into October. By September 30th, areal rainfall totals ranged from 1.8 to 2.3 inches.

Monthly Reports by Agr	ricultural Region		Areal Average	Departure from No	ormal
Southwest Mississippi (2 Sites)		3.96	N/A	
South Central Mississip	pi (2 Sites)		3.39	-0.88	
Coastal Mississippi			6.70	+1.08	
Central Louisiana (2 Sit	es)		4.92	+0.07	
East Central Louisiana			4.80	+0.04	
South Central Louisiana	a (7 Sites)		2.63	-0.98	
Southeast Louisiana			4.18	-1.97	
Extreme Rainfall for the	e Month (Inches a	and Departur	e from Normal)		
Sun, LA	12.46		Slidell, LA W	/FO 8.01	+3.67
Pascagoula, MS	10.75	+4.90	Slidell, LA (A	ASD) 8.01	
Ocean Springs, MS	10.19	+4.84	Boothville, L	A 8.01	-0.38

Drought...

Soil moisture contents were normal over the entire region throughout September 2012.

For more information on Hurricane Isaac, visit:

NWFO New Orleans/Baton Rouge, LA http://www.srh.noaa.gov/lix/?n=psh_isaac

National Hurricane Center http://www.nhc.noaa.gov/archive/2012/refresh/ISAAC+shtml/