

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:
MONTH YEAR
MAY **2008**

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE
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DATE
JUNE 15, 2008

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.

...HEAVY RAINS OVER THE AREA AND WATER FROM UPSTREAM CAUSED FLOODS...

A series of weather disturbances produced heavy rains during May that exacerbated the flooding over Louisiana and Mississippi. For the week ending May 4th, the heaviest rains occurred over east central Louisiana. On May 3rd, Sun measured 6.71 inches and Livingston measured 6.25 inches. Fair weather persisted through May 11th and no significant rain developed.

During the week that ended on May 18th, severe weather and above average rains occurred over the entire region, particularly over the Florida parishes. Numerous locations had more than 5.0 inches for the week. Livingston measured 9.92 inches, which was 8.79 above the normal; Hammond had 8.28 inches, which was 7.30 inches above normal; Baton Rouge/Sherwood had 6.61 inches, which was 5.42 inches above normal; and Baton Rouge Airport had 6.56 inches, which was 5.37 inches above normal. Areal average rainfall ranged from over 2.0 inches over much of Mississippi to 5.18 inches over east central Louisiana. After the stalled front cleared the region on May 16th, high pressure produced fair weather through May 18th.

During the next week, the front retrograded to the north and fostered more storm development. On the 22nd and again on the 23rd, local amounts of over 3.0 inches were recorded at several locations across southeast Louisiana. Over the next two weeks, typical summer weather occurred. For the week ending May 25th, areal average rainfall amounts ranged from less than one inch over southern Mississippi to over 2.0 inches across southeast Louisiana. Areal rainfall amounts for the last week of May were generally less than 0.20 inch.

Flooding...

Moderate flooding continued into June on the Atchafalaya River near Morgan City. The river crested early in May and began a slow fall. Minor flooding ended on the Atchafalaya River at Bayou Sorrel Lock in early May. After major flooding on the Lower Mississippi River at Baton Rouge during April, the flooding ended in May. Moderate flooding on the Lower Mississippi River ended at Donaldsonville, while minor flooding ended at Reserve. Moderate flooding continued into June on the Lower Mississippi River at Red River Landing.

Heavy rainfall early in May produced minor flooding at Robert on the Tangipahoa River; at Folsom on the Tchefuncte River; at Bush on the Bogue Chitto River; and at McNeil, Mississippi on the West Hobolochitto Creek. Moderate flooding developed at Covington on the Tchefuncte River and along the Bogue Falaya River at Camp Covington and in downtown Covington at Boston Street. These floods all ended by May 5th.

With the copious rainfall during mid-May, minor flooding started on May 15th on the Comite River near Comite; on the Tangipahoa River at Robert; on the Tchefuncte River at Covington; and on the Bogue Falaya River in Covington at Boston Street. This flooding all ended by May 17th.

Rainfall over Mississippi and southeastern Louisiana during the last week of May caused minor flooding on the Lower Pearl River at Bogalusa from May 21st through May 23rd.

Monthly Reports by Agricultural Region	Areal Average	Departure from Normal
Southwest/South Central Mississippi (4 Sites)	4.21	-1.32
Coastal Mississippi	5.31	-0.43
Central Louisiana (3 Sites)	8.69	+3.72
East Central Louisiana	9.08	+3.46
South Central Louisiana (6 Sites)	6.27	+1.46
Southeast Louisiana	5.67	+0.54

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

Hammond, LA	14.10	+8.44	Baker, LA	13.21	+8.16
Livingston, LA	12.68	+7.49	Hammond, LA	11.59	+7.05

Drought...

From the start of May through May 13th, moderate drought (D1) conditions persisted over southwestern Mississippi, along with central and east central Louisiana. Across coastal Mississippi and extreme southeast Louisiana, soil moisture was normal and all other areas had abnormally dry (D0) conditions. By May 20th, the copious rainfall across southeastern Louisiana and coastal Mississippi had ended the drought conditions. Over southwest Mississippi, abnormally dry (D0) conditions lingered through the end of May.