

<b>32NWS Form E-5</b> (04-2006) (PRES. BY NWS Instruction 10-924)	<b>U.S. DEPARTMENT OF COMMERCE</b> <b>NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION</b> <b>NATIONAL WEATHER SERVICE</b>	HYDROLOGIC SERVICE AREA (HSA) <b>NWFO New Orleans/Baton Rouge, LA</b>
<b>MONTHLY REPORT OF HYDROLOGIC CONDITIONS</b>		REPORT FOR: MONTH                  YEAR <b>SEPTEMBER    2010</b>
TO: Hydrologic Information Center, W/OS31 NOAA's National Weather Service 1325 East West Highway Silver Spring, MD 20910-3283		SIGNATURE <b>Kenneth Graham, Meteorologist-In-Charge</b>  DATE <b>October 15, 2010</b>

*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.

*...A Taste of Autumn Settles over Southeastern Louisiana and Southern Mississippi in September...*

After fair conditions over the first days of September, the weather became unstable by September 3<sup>rd</sup>. A front moved across the region and produced scattered thunderstorms across southeastern Louisiana and southern Mississippi. Eventually the front stalled along the Gulf coast.

Turbulent weather produced thunderstorms from September 7<sup>th</sup> through 12<sup>th</sup>. Rain bands from Tropical Storm Hermine impacted the area September 7<sup>th</sup> and 8<sup>th</sup>. Areal rainfall totals were generally less than 0.50 inch, except areal rainfall totaled 0.56 inch over southeast Louisiana.

Fair weather dominated from mid-September through the end of the month, with only a few stormy days. Areal rainfall totals for the week ending September 19<sup>th</sup> were generally less than 0.25 inch. During the week of September 20<sup>th</sup> through 26<sup>th</sup> areal rainfall totals ranged from 0.4 inch to 1.0 inch over Louisiana, with less rainfall over Mississippi. Very little rain developed over the last days of September, except over east-central and southeast Louisiana. There, areal average rainfall totals were generally 0.20 to 0.33 inch.

Monthly Reports by Agricultural Region	Areal Average	Departure from Normal
Southwest Mississippi (2 Sites)	2.76	N/A
South Central Mississippi (2 Sites)	0.12	-4.24
Coastal Mississippi	2.27	-3.44
Central Louisiana (2 Sites)	1.37	-3.47
East Central Louisiana	1.04	-3.72
South Central Louisiana (6 Sites)	4.07	-4.07
Southeast Louisiana	2.24	-3.91

**Drought...**

Soils conditions were normal through mid-September over southeastern Louisiana and southern Mississippi. With little rainfall, soil conditions worsened by September 21<sup>st</sup>. Abnormally dry (D0) soils covered all but extreme southeast Louisiana, where conditions remained normal. By September 28<sup>th</sup> and through the remainder of the month, moderate drought (D1) conditions covered southwest Mississippi. Abnormally dry conditions persisted over other areas, except over extreme southeast Louisiana where soils remained normal.

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

New Orleans/Audubon, LA	4.99	-1.05	Paradis, LA	0.47	-5.96
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