NWS FORM E-5 (11-88)	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	HYDROLOGIC SERVICE AREA (HSA)	
(PRES. by NWS Instruction 10-924) NATIONAL WEATHER SERVICE		NEW ORLEANS/BATON ROUGE, LA	
MONTHLY	REPORT OF HYDROLOGIC CONDITIONS	REPORT FOR: MONTH YEAR SEPTEMBER 2007	
TO:	Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230	SIGNATURE PAUL S. TROTTER, METEOROLOGIST-IN-	
CHARGE	Silver Spring, MD 20910-3283	DATE OCTOBER 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)

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

...DROUGHT CONDITIONS EASED OVER LOUISIANA IN SEPTEMBER 2007...

Typical summer-time weather developed over southeastern Louisiana and southern Mississippi through September 9th, with isolated significant rains, mainly during the first few days of the month. Dynamic weather developed over the region during the week of September 10th. First, a cold front focused thunderstorm development. Then, Hurricane Humberto made landfall over southeastern Texas on September 13th and moved northeast across Louisiana and Mississippi. Copious rain totals of over 4.0 inches occurred September 14th at Reserve and Killian in Louisiana. Amounts were lighter over southwest and coastal Mississippi. For the week, Killian had 6.27 inches; Reserve measured 5.05 inches; 4.02 inches fell at Audubon Park in New Orleans. Tylertown, Mississippi only measured 1.17 inches that week. Areal rainfall amounts were generally 1.0 to 2.0 inches over Louisiana, but less than 0.7 inch over southern Mississippi.

Tropical Depression 10 made landfall near the Florida-Alabama border on September 21st and then drifted west. As a result, widespread rain developed on September 22nd and 23rd. Gulfport, Mississippi measured 2.50 inches and New Orleans had 1.0 inch during the week of September 17th; many areas had no rain. Areal rain totals averaged less than 0.25 inch.

Widespread cloudiness and periodic rains developed through September 28th. For the week of September 24th, areal rain totals averaged from 0.51 inch over east-central Louisiana to 1.39 inches over southeast Louisiana.

Areal rainfall totals for the month of September:

Areal Average	Departure from Normal
3.18	-1.53
3.54	-2.17
3.46	-1.30
4.82	-1.33
3.76	-1.58
	3.18 3.54 3.46 4.82

Drought...

Rainfall early in September eased the drought conditions over southeastern Louisiana and southern Mississippi. Soil moisture returned to normal values, except over the northern portions of Amite, Wilkerson, Pike and Walthall Counties, where soils remained abnormally dry (D0) through September 18th. After Hurricane Humberto made landfall and a significant cold front pushed into the region, soil moisture was normal over all of southeastern Louisiana, as well as southwestern and coastal Mississippi from September 18th through 25th. Abnormally dry conditions (D0) crept south into much of Pike County during the last days of September, along with all of Walthall and Pearl River Counties and coastal Mississippi.