

<b>NWS FORM E-5</b> (11-88) (PRES. by NWS Instruction 10-924)	<b>U.S. DEPARTMENT OF COMMERCE</b> NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE	HYDROLOGIC SERVICE AREA (HSA)	
		<b>NWFO NEW ORLEANS/BATON ROUGE, LOUISIANA</b>	
<b>MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS</b>		REPORT FOR: MONTH <b>JULY</b>	YEAR <b>2005</b>
		SIGNATURE Paul S. Trotter, Meteorologist-In-Charge	
TO: Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230 Silver Spring, MD 20910-3283		DATE August 15, 2005	

*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)*

**...Wetter in July Due to Tropical Storm Cindy Crossing Southeast Louisiana...**

Strong thunderstorms developed from July 1<sup>st</sup> through 3<sup>rd</sup> over many parishes of Louisiana. For the first few days of July, areal rainfall averaged around 0.75 inch, except over extreme southeast Louisiana where areal rainfall averaged 1.45 inches.

An “early season” tropical disturbance became Tropical Storm Cindy and approached the Louisiana coastline by July 5<sup>th</sup>. The storm made landfall near Grand Isle and then moved across southeastern Louisiana and eventually over southern Mississippi. Over 6.0 inches of rain fell during one day at Grand Isle, Slidell, and Terrytown.

Due to “Cindy”, areal average rainfall amounts were above normal for July 4<sup>th</sup> through 10<sup>th</sup>. The areal averages were 2.56 inches over the east-central parishes; 3.76 inches over the extreme southeast parishes; and 6.10 inches over coastal Mississippi. By early July 6<sup>th</sup>, flash flooding had developed over St. Charles Parish. As “Cindy” progressed inland across Mississippi later on July 6<sup>th</sup>, flooding developed during the afternoon on the Biloxi River at Lyman and on the Tchoutacabouffa River at D’Iberville. The flooding ended at both locations on July 7<sup>th</sup>.

In mid-July, Hurricane Dennis made landfall in Florida and stalled over the Midwest. “Dennis” set up a circulation that yielded strong thunderstorms for Louisiana and Mississippi from July 12<sup>th</sup> through July 15<sup>th</sup>. Areal average rainfall for the week of July 11<sup>th</sup> through 17<sup>th</sup> ranged from 1.20 inches over coastal Mississippi to 1.57 inches over east-central Louisiana.

Dominated by an area of high pressure, July 18<sup>th</sup> through 24<sup>th</sup> was hot! Isolated showers and thunderstorms produced areal average rainfall of 1.13 inches in east-central Louisiana. Otherwise, areal rainfall averaged around 0.5 inch for the region.

The week of July 25<sup>th</sup> started with hot and humid conditions. The weather changed July 27<sup>th</sup> and 28<sup>th</sup>, as a rare summer front pushed southeast, accompanied by thunderstorms. Areal average rainfall amounts ranged from 0.99 inch for extreme southeast Louisiana to just over 1.30 inches for coastal Mississippi and east-central Louisiana.

**July Extreme Rainfall Totals / Positive Departure from Normal:**

New Orleans Pump1	17.85	New Orleans Pump 3	16.14	New Orleans Pump 5	16.02
New Orleans Pump 20	14.73	New Orleans Pump 19	14.15	Slidell	13.75 / 7.20
New Orleans Pump 2	13.74	LSU – Citrus Research	13.17 / 5.51	Galliano	13.17 / 5.48
Terrytown	13.03	New Orleans Pump 7	12.79	New Orleans Pump 15	12.76
New Orleans Pump 6	12.42	Algiers	11.89 / 5.54	New Orleans Pump 11	11.65
Slidell Weather Office	11.65 / 4.52	Gulfport MS	11.59	Slidell Airport	11.41
New Orleans Pump 17	11.10	University New Orleans	10.56	Kentwood	10.22 / 4.75
Grand Isle	10.20 / 3.60	LA Nature Center	10.04 / 3.97	New Orleans Water Bur.	9.89

**Drought Conditions for Southwestern Mississippi, Coastal Mississippi, and Southeastern Louisiana:**

Soil moistures returned to normal in July, after significant rain fell over the entire region. With little help from “Cindy”, a portion of southwestern Mississippi was abnormally dry again by the end of the month.