

DRAFT

Land-water change area tables for map-id# 2006-11-0049, *Water Area Changes in Southeastern Louisiana After Hurricanes Katrina and Rita Detected with Landsat Thematic Mapper Satellite Imagery.*

**Changes from Land to Water
Fall 2004 to Mid-October 2005**

Basin	Water Area Change	
	Miles ²	Km ²
Breton Sound	40.9	105.9
Terrebonne*	19.4	50.2
Pontchartrain	19.1	49.5
Mississippi River	17.8	46.1
Barataria	17.6	45.6
Pearl River*	4.4	11.4
Atchafalaya*	-1.1	-2.8
Total	118.1	305.9

* Partial coverage

* Based on intersection of basin boundaries with the Louisiana Coastal Area Study boundary. Excludes fastlands. Negative numbers indicate land gain.

** Parishes with changes in water area less than 1 mi²

Parish boundaries obtained from the USGS.

**Changes from Land to Water
Fall 2004 to Mid-October 2005**

Selected Areas	Water Area Change	
	Miles ²	Km ²
East of the Mississippi River*	79.2	205.2
Chandeleur Islands	3.6	9.3
North Shore Marsh	2.1	5.4
New Orleans East Landbridge	1.4	3.6
Labranche Wetlands	1.2	3.1
Total	87.5	226.6

*Louisiana Coastal Area Subprovince 1

Parish Water Area Changes
Fall 2004 to Mid-October 2005
Parish* **Water Area Change**

	Miles²	Km²
Plaquemines	57.2	148.1
St. Bernard	19.0	49.2
Lafourche	15.0	38.9
Terrebonne	13.2	34.2
St. Tammany	7.3	18.9
Orleans	5.3	13.7
St. Charles	1.4	3.6
Jefferson	1.2	3.1
All Other Parishes**	-0.1	-0.3
St. Mary	-1.3	-3.4
Total	118.2	306.1

*Based on intersection of parish boundaries with the Louisiana Coastal Area Study boundary. Excludes fastlands. Portions of parishes may be excluded from the land-water change summary. Negative numbers indicate land gain.

**Parishes with changes in water area less than 1 mi²

Parish boundaries obtained from the USGS.

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