



## 2004 to 2005 Land-Water Areas and Net Area Changes by 2001 Marsh Community Tables

### Table 1. Fall 2004 Land-Water Areas by 2001 Marsh Communities

Basin		Total Basin		Calcasieu/Sabine		Mermentau		Teche/Vermilion		Atchafalaya		Terrebonne		Barataria		Mississippi River Delta		Breton Sound		Pontchartrain		Pearl River	
Period	Class	Mi <sup>2</sup>	Km <sup>2</sup>	Mi <sup>2</sup>	Km <sup>2</sup>	Mi <sup>2</sup>	Km <sup>2</sup>	Mi <sup>2</sup>	Km <sup>2</sup>	Mi <sup>2</sup>	Km <sup>2</sup>	Mi <sup>2</sup>	Km <sup>2</sup>	Mi <sup>2</sup>	Km <sup>2</sup>	Mi <sup>2</sup>	Km <sup>2</sup>	Mi <sup>2</sup>	Km <sup>2</sup>	Mi <sup>2</sup>	Km <sup>2</sup>	Mi <sup>2</sup>	Km <sup>2</sup>
Fall 2004	Forested Wetlands	1,329	3,442.11	0	0.00	0	0.00	72	186.48	96	248.64	343	888.37	350	906.50	0	0.00	0	0.00	452	1,170.68	16	41.44
	Other Land	397	1,028.23	72	186.48	81	209.79	34	88.06	1	2.59	90	233.10	47	121.73	1	2.59	10	25.90	58	150.22	3	7.77
	Fresh Marsh Community	1,542	3,993.78	150	388.50	440	1,139.60	52	134.68	123	318.57	386	999.74	265	686.35	100	259.00	11	28.49	11	28.49	4	10.36
	Intermediate Marsh Community	1,087	2,815.33	268	694.12	187	484.33	192	497.28	1	2.59	76	196.84	107	277.13	31	80.29	144	372.96	63	163.17	18	46.62
	Brackish Marsh Community	878	2,274.02	127	328.93	95	246.05	129	334.11	0	0.00	175	453.25	104	269.36	0	0.00	77	199.43	159	411.81	12	31.08
	Saline Marsh Community	690	1,787.10	14	36.26	41	106.19	8	20.72	0	0.00	221	572.39	207	536.13	0	0.00	49	126.91	150	388.50	0	0.00
	Water	6,995	18,117.05	289	748.51	316	818.44	544	1,408.96	212	549.08	1,086	2,812.74	872	2,258.48	498	1,289.82	655	1,696.45	2,502	6,480.18	21	54.39
Totals		12,918	33,457.62	920	2,382.80	1,160	3,004.40	1,031	2,670.29	433	1,121.47	2,377	6,156.43	1,952	5,055.68	630	1,631.70	946	2,450.14	3,395	8,793.05	74	191.66

### Table 2. Fall 2005 Land-Water Areas by 2001 Marsh Communities

Basin		Total Basin		Calcasieu/Sabine		Mermentau		Teche/Vermilion		Atchafalaya		Terrebonne		Barataria		Mississippi River Delta		Breton Sound		Pontchartrain		Pearl River	
Period	Class	Mi <sup>2</sup>	Km <sup>2</sup>	Mi <sup>2</sup>	Km <sup>2</sup>	Mi <sup>2</sup>	Km <sup>2</sup>	Mi <sup>2</sup>	Km <sup>2</sup>	Mi <sup>2</sup>	Km <sup>2</sup>	Mi <sup>2</sup>	Km <sup>2</sup>	Mi <sup>2</sup>	Km <sup>2</sup>	Mi <sup>2</sup>	Km <sup>2</sup>	Mi <sup>2</sup>	Km <sup>2</sup>	Mi <sup>2</sup>	Km <sup>2</sup>	Mi <sup>2</sup>	Km <sup>2</sup>
Fall 2005	Forested Wetlands	1,328	3,439.52	0	0.00	0	0.00	72	186.48	96	248.64	343	888.37	350	906.50	0	0.00	0	0.00	451	1,168.09	16	41.44
	Other Land	371	960.89	71	183.89	60	155.40	32	82.88	1	2.59	89	230.51	47	121.73	1	2.59	10	25.90	58	150.22	2	5.18
	Fresh Marsh Community	1,420	3,677.80	140	362.60	360	932.40	51	132.09	114	295.26	380	984.20	264	683.76	86	222.74	11	28.49	10	25.90	4	10.36
	Intermediate Marsh Community	997	2,582.23	255	660.45	161	416.99	190	492.10	1	2.59	76	196.84	104	269.36	27	69.93	107	277.13	59	152.81	17	44.03
	Brackish Marsh Community	845	2,188.55	123	318.57	87	225.33	126	326.34	0	0.00	172	445.48	100	259.00	0	0.00	74	191.66	153	396.27	10	25.90
	Saline Marsh Community	662	1,714.58	14	36.26	40	103.60	8	20.72	0	0.00	212	549.08	197	510.23	0	0.00	48	124.32	143	370.37	0	0.00
	Water	7,295	18,894.05	317	821.03	452	1,170.68	552	1,429.68	221	572.39	1,105	2,861.95	890	2,305.10	516	1,336.44	696	1,802.64	2,521	6,529.39	25	64.75
Totals		12,918	33,457.62	920	2,382.80	1,160	3,004.40	1,031	2,670.29	433	1,121.47	2,377	6,156.43	1,952	5,055.68	630	1,631.70	946	2,450.14	3,395	8,793.05	74	191.66

### Table 3. Fall 2004 and Fall 2005 Land-Water Area Net Changes by 2001 Marsh Communities

Basin		Total Basin		Calcasieu/Sabine		Mermentau		Teche/Vermilion		Atchafalaya		Terrebonne		Barataria		Mississippi River Delta		Breton Sound		Pontchartrain		Pearl River	
Period	Class	Mi <sup>2</sup>	Km <sup>2</sup>	Mi <sup>2</sup>	Km <sup>2</sup>	Mi <sup>2</sup>	Km <sup>2</sup>	Mi <sup>2</sup>	Km <sup>2</sup>	Mi <sup>2</sup>	Km <sup>2</sup>	Mi <sup>2</sup>	Km <sup>2</sup>	Mi <sup>2</sup>	Km <sup>2</sup>	Mi <sup>2</sup>	Km <sup>2</sup>	Mi <sup>2</sup>	Km <sup>2</sup>	Mi <sup>2</sup>	Km <sup>2</sup>	Mi <sup>2</sup>	Km <sup>2</sup>
Fall 2004 to Fall 2005	Forested Wetlands	-1	-2.59	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	-1	-2.59	0	0.00
	Other Land	-26	-67.34	-1	-2.59	-21	-54.39	-2	-5.18	0	0.00	-1	-2.59	0	0.00	0	0.00	0	0.00	0	0.00	-1	-2.59
	Fresh Marsh Community	-122	-315.98	-10	-25.90	-80	-207.20	-1	-2.59	-9	-23.31	-6	-15.54	-1	-2.59	-14	-36.26	0	0.00	-1	-2.59	0	0.00
	Intermediate Marsh Community	-90	-233.10	-13	-33.67	-26	-67.34	-2	-5.18	0	0.00	0	0.00	-3	-7.77	-4	-10.36	-37	-95.83	-4	-10.36	-1	-2.59
	Brackish Marsh Community	-33	-85.47	-4	-10.36	-8	-20.72	-3	-7.77	0	0.00	-3	-7.77	-4	-10.36	0	0.00	-3	-7.77	-6	-15.54	-2	-5.18
	Saline Marsh Community	-28	-72.52	0	0.00	-1	-2.59	0	0.00	0	0.00	-9	-23.31	-10	-25.90	0	0.00	-1	-2.59	-7	-18.13	0	0.00
	Water*	300	777.00	28	72.52	136	352.24	8	20.72	9	23.31	19	49.21	18	46.62	18	46.62	41	106.19	19	49.21	4	10.36

\*Includes the 83 mi<sup>2</sup> (214.97 km<sup>2</sup>) of flooded lands consisting of flooded burned marsh and flooded agricultural and developed areas. Adjusting for these flooded areas, the net increase in water area (decrease in land) is 217 mi<sup>2</sup> (516 km<sup>2</sup>).

Source: Open-File Report 2006-1274, Land Area Change in Coastal Louisiana After the 2005 Hurricanes: A Series of Three Maps

Land Area Change in Coastal Louisiana After the 2005 Hurricanes: Marsh Communities

U.S. Department of the Interior  
U.S. Geological Survey