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## Louisiana Barrier Island Comprehensive Monitoring Program (BICM) Volume 5: Chenier Plain, South-Central Louisiana, and Chandeleur Islands, Habitat Mapping and Change Analysis 1996 to 2005 Part 3: Habitat Class Tables, Habitat Change Tables, and Final Statistics 1996 to 2005

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Volume 5: Chenier Plain, South-Central Louisiana, and Chandeleur Islands,  
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Part 3: Habitat Class Tables, Habitat Change Tables, and Final Statistics  
1996 to 2005**

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## INTRODUCTION

The goal of the Habitat Analysis was to classify land from the five delta shorelines in the Louisiana Coastal Zone (Fig. 1) for four different time periods and make comparisons of habitat change between the time periods. The approach presented herein follows according to the classification by Penland *et al.* (2004). This is Part 3 of four parts in this Volume 5 of the BICM Final Report. Part 1 describes all methods used in the analysis, all maps included with the deliverables are presented in Part 2, and the final results and interpretations are provided in Part 4. The objective of this Volume 5, Part 3 is to provide in detail all data tables and statistical information associated with the final maps in Part 2.

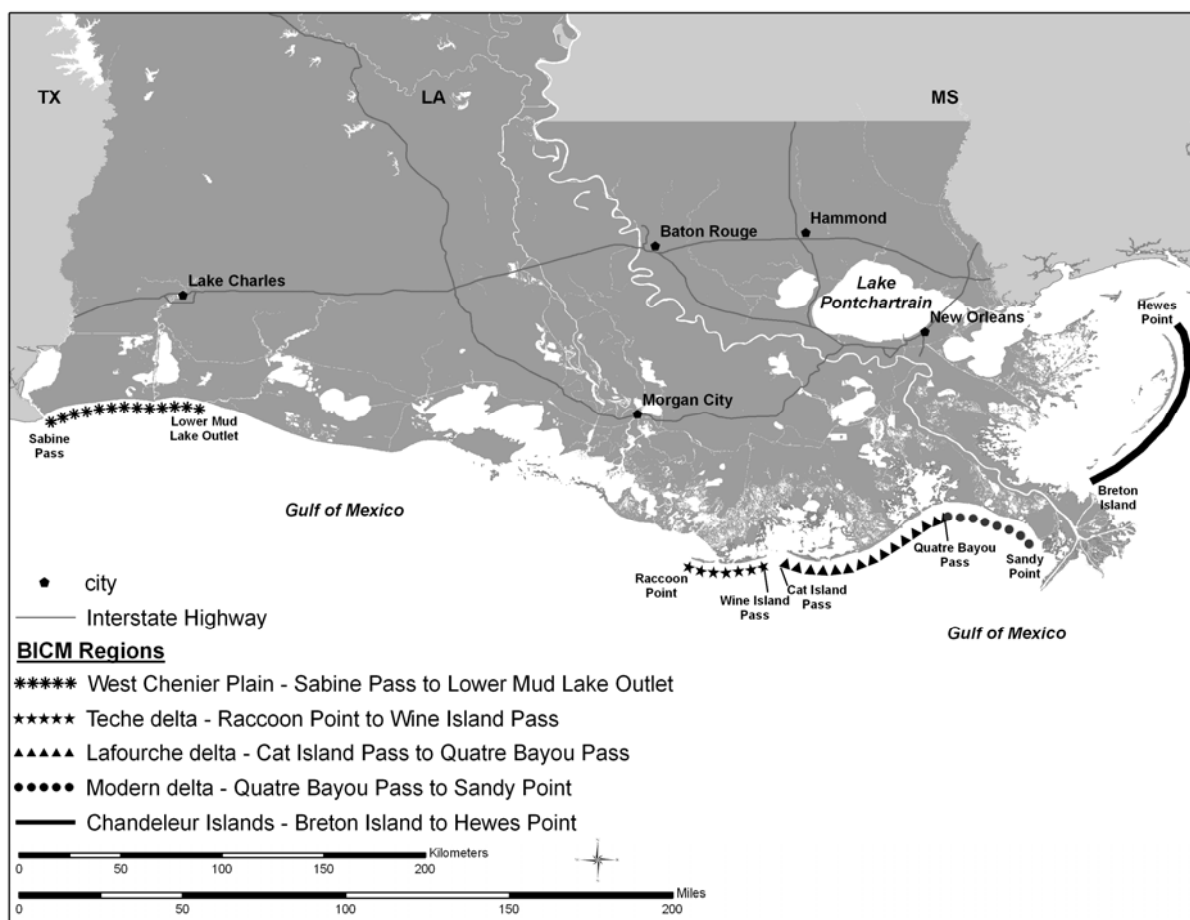


Figure 1. The five sections of shoreline used in the BICM Habitat Analysis include 1) Western Chenier Plain, which extends from the Texas/Louisiana border at Sabine Pass to the Lower Mud Lake Outlet; 2) Teche delta from Raccoon Pass to Wine Island Pass; 3) Lafourche delta from Cat Island Pass to Quatre Bayou Pass, 4) Modern delta continues from Quatre Bayou Pass to Sandy Point; and 5) Chandeleur Islands from Breton Island north to Hewes Point.

**TABLES**

**Chenier Plain (Sabine Pass to Mud Lake Outlet)**

Table 1. The amount of land gained, lost, and unchanged between the time periods 1998 to 2001 and 2001 to 2004 in the Chenier Plain. West of Calcasieu Pass includes the coastline sections Johnson’s Bayou, Ocean View Beach, and Holly Beach. East of Calcasieu Pass includes West of Hackberry Beach and Hackberry Beach.

<b>West Chenier Plain - West of Calcasieu Pass</b>					
<b>Habitat Classes</b>	<b>2001 from 1998</b>		<b>Habitat Classes</b>	<b>2004 from 2001</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	8836	3576	<b>Water</b>	6457	2613
<b>Land Gain</b>	1385	561	<b>Land Gain</b>	10618	4297
<b>Land Loss</b>	2931	1186	<b>Land Loss</b>	1782	721
<b>Land Unchanged</b>	30049	12161	<b>Land Unchanged</b>	37926	15348
<b>Analysis Area</b>	57340	23205	<b>Analysis Area</b>	57337	23204

<b>West Chenier Plain - East of Calcasieu Pass</b>					
<b>Habitat Classes</b>	<b>2001 from 1998</b>		<b>Habitat Classes</b>	<b>2004 from 2001</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	17765	7189	<b>Water</b>	17117	6927
<b>Land Gain</b>	3499	1416	<b>Land Gain</b>	5422	2194
<b>Land Loss</b>	4108	1662	<b>Land Loss</b>	2267	918
<b>Land Unchanged</b>	24172	9782	<b>Land Unchanged</b>	26013	10527
<b>Analysis Area</b>	40718	16478	<b>Analysis Area</b>	40718	16478

Table 2. The amount of land gained, lost, and unchanged between the time periods 2004 to 2005 and 1998 to 2005 in the Chenier Plain. West of Calcasieu Pass includes the coastline sections Johnson’s Bayou, Ocean View Beach, and Holly Beach. East of Calcasieu Pass includes West of Hackberry Beach and Hackberry Beach.

<b>West Chenier Plain - West of Calcasieu Pass</b>					
<b>Habitat Classes</b>	<b>2005 from 2004</b>		<b>Habitat Classes</b>	<b>2005 from 1998</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	6249	2529	<b>Water</b>	6913	2798
<b>Land Gain</b>	3933	1592	<b>Land Gain</b>	3310	1339
<b>Land Loss</b>	2301	931	<b>Land Loss</b>	4046	1637
<b>Land Unchanged</b>	44611	18054	<b>Land Unchanged</b>	43602	17645
<b>Analysis Area</b>	57340	23205	<b>Analysis Area</b>	57340	23205

<b>West Chenier Plain - East of Calcasieu Pass</b>					
<b>Habitat Classes</b>	<b>2005 from 2004</b>		<b>Habitat Classes</b>	<b>2005 from 1998</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	16599	6717	<b>Water</b>	16486	6672
<b>Land Gain</b>	1385	561	<b>Land Gain</b>	5422	2194
<b>Land Loss</b>	2931	1186	<b>Land Loss</b>	2267	918
<b>Land Unchanged</b>	30049	12161	<b>Land Unchanged</b>	26013	10527
<b>Analysis Area</b>	40718	16478	<b>Analysis Area</b>	40719	16478

Table 3. The total amount of land in each habitat class from Johnson's Bayou, Ocean View Beach, and Holly Beach in the Chenier Plain for the time periods 1998 to 2001 and 2001 to 2004.

<b>Johnson's Bayou</b>					
<b>Habitat Classes</b>	<b>1998</b>		<b>Habitat Classes</b>	<b>2001</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	4620	1870	<b>Water</b>	12144	4915
<b>Intertidal Flat</b>	4407	1784	<b>Intertidal Flat</b>	122	49
<b>Marsh</b>	30465	12329	<b>Marsh</b>	28174	11402
<b>Barrier Vegetation</b>	0	0	<b>Barrier Vegetation</b>	0	0
<b>Bare Land</b>	1014	411	<b>Bare Land</b>	135	55
<b>Beach</b>	282	114	<b>Beach</b>	214	86
<b>Rip Rap</b>	0	0	<b>Rip Rap</b>	0	0
<b>Structure</b>	557	225	<b>Structure</b>	557	225
<b>Analysis Extent</b>	41346	16732	<b>Analysis Extent</b>	41346	16732
<b>Ocean View Beach</b>					
<b>Habitat Classes</b>	<b>1998</b>		<b>Habitat Classes</b>	<b>2001</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	3075	1245	<b>Water</b>	3274	1325
<b>Intertidal Flat</b>	883	357	<b>Intertidal Flat</b>	66	27
<b>Marsh</b>	5730	2319	<b>Marsh</b>	6394	2587
<b>Barrier Vegetation</b>	0	0	<b>Barrier Vegetation</b>	0	0
<b>Bare Land</b>	90	36	<b>Bare Land</b>	63	25
<b>Beach</b>	214	87	<b>Beach</b>	199	80
<b>Rip Rap</b>	10	4	<b>Rip Rap</b>	8	3
<b>Structure</b>	364	147	<b>Structure</b>	364	147
<b>Analysis Extent</b>	10367	4195	<b>Analysis Extent</b>	10367	4195
<b>Holly Beach</b>					
<b>Habitat Classes</b>	<b>1998</b>		<b>Habitat Classes</b>	<b>2001</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	1995	807	<b>Water</b>	2195	888
<b>Intertidal Flat</b>	530	214	<b>Intertidal Flat</b>	59	24
<b>Marsh</b>	2915	1180	<b>Marsh</b>	3057	1237
<b>Barrier Vegetation</b>	0	0	<b>Barrier Vegetation</b>	0	0
<b>Bare Land</b>	20	8	<b>Bare Land</b>	50	20
<b>Beach</b>	118	48	<b>Beach</b>	216	88
<b>Rip Rap</b>	0	0	<b>Rip Rap</b>	1	0
<b>Structure</b>	156	63	<b>Structure</b>	156	63
<b>Analysis Extent</b>	5734	2320	<b>Analysis Extent</b>	5734	2320

Table 4. The total amount of land in each habitat class from Johnson's Bayou, Ocean View Beach, and Holly Beach in the Chenier Plain for the time periods 2004 to 2005 and 1998 to 2005.

<b>Johnson's Bayou</b>					
<b>Habitat Classes</b>	<b>2004</b>		<b>Habitat Classes</b>	<b>2005</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	4480	1813	<b>Water</b>	5506	2228
<b>Intertidal Flat</b>	2392	968	<b>Intertidal Flat</b>	6222	2518
<b>Marsh</b>	32986	13349	<b>Marsh</b>	29046	11754
<b>Barrier Vegetation</b>	0	0	<b>Barrier Vegetation</b>	0	0
<b>Bare Land</b>	704	285	<b>Bare Land</b>	158	64
<b>Beach</b>	280	113	<b>Beach</b>	199	80
<b>Rip Rap</b>	0	0	<b>Rip Rap</b>	0	0
<b>Structure</b>	503	204	<b>Structure</b>	214	87
<b>Analysis Extent</b>	41346	16732	<b>Analysis Extent</b>	41346	16732
<b>Ocean View Beach</b>					
<b>Habitat Classes</b>	<b>2004</b>		<b>Habitat Classes</b>	<b>2005</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	2258	914	<b>Water</b>	2617	1059
<b>Intertidal Flat</b>	228	92	<b>Intertidal Flat</b>	1519	615
<b>Marsh</b>	7235	2928	<b>Marsh</b>	5567	2253
<b>Barrier Vegetation</b>	0	0	<b>Barrier Vegetation</b>	0	0
<b>Bare Land</b>	14	6	<b>Bare Land</b>	45	18
<b>Beach</b>	256	103	<b>Beach</b>	390	158
<b>Rip Rap</b>	12	5	<b>Rip Rap</b>	14	6
<b>Structure</b>	364	147	<b>Structure</b>	214	87
<b>Analysis Extent</b>	10367	4195	<b>Analysis Extent</b>	10367	4195
<b>Holly Beach</b>					
<b>Habitat Classes</b>	<b>2004</b>		<b>Habitat Classes</b>	<b>2005</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	2048	829	<b>Water</b>	2303	932
<b>Intertidal Flat</b>	78	32	<b>Intertidal Flat</b>	448	181
<b>Marsh</b>	3272	1324	<b>Marsh</b>	2708	1096
<b>Barrier Vegetation</b>	0	0	<b>Barrier Vegetation</b>	0	0
<b>Bare Land</b>	6	2	<b>Bare Land</b>	8	3
<b>Beach</b>	148	60	<b>Beach</b>	196	79
<b>Rip Rap</b>	1	0	<b>Rip Rap</b>	1	0
<b>Structure</b>	180	73	<b>Structure</b>	70	28
<b>Analysis Extent</b>	5734	2320	<b>Analysis Extent</b>	5734	2320



Table 5. The total amount of land in each habitat class from West of Hackberry Beach and Hackberry Beach in the Chenier Plain for the time periods 1998 to 2001 and 2001 to 2004.

<b>West of Hackberry Beach</b>					
<b>Habitat Classes</b>	<b>1998</b>		<b>Habitat Classes</b>	<b>2001</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	6730	2723	<b>Water</b>	6603	2672
<b>Intertidal Flat</b>	1452	587	<b>Intertidal Flat</b>	473	191
<b>Marsh</b>	9471	3833	<b>Marsh</b>	10345	4186
<b>Barrier Vegetation</b>	0	0	<b>Barrier Vegetation</b>	0	0
<b>Bare Land</b>	106	43	<b>Bare Land</b>	351	142
<b>Beach</b>	193	78	<b>Beach</b>	181	73
<b>Rip Rap</b>	4	2	<b>Rip Rap</b>	4	2
<b>Structure</b>	962	389	<b>Structure</b>	961	389
<b>Analysis Extent</b>	18917	7655	<b>Analysis Extent</b>	18917	7655
<b>Hackberry Beach</b>					
<b>Habitat Classes</b>	<b>1998</b>		<b>Habitat Classes</b>	<b>2001</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	5713	2312	<b>Water</b>	6441	2607
<b>Intertidal Flat</b>	2604	1054	<b>Intertidal Flat</b>	282	114
<b>Marsh</b>	12955	5243	<b>Marsh</b>	14036	5680
<b>Barrier Vegetation</b>	0	0	<b>Barrier Vegetation</b>	0	0
<b>Bare Land</b>	193	78	<b>Bare Land</b>	713	288
<b>Beach</b>	113	46	<b>Beach</b>	108	44
<b>Rip Rap</b>	0	0	<b>Rip Rap</b>	0	0
<b>Structure</b>	406	164	<b>Structure</b>	406	164
<b>Analysis Extent</b>	21985	8897	<b>Analysis Extent</b>	21985	8897

Table 6. The total amount of land in each habitat class from West of Hackberry Beach and Hackberry Beach in the Chenier Plain for the time periods 2004 to 2005 and 1998 to 2005.

<b>West of Hackberry Beach</b>					
<b>Habitat Classes</b>	<b>2004</b>		<b>Habitat Classes</b>	<b>2005</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	4299	1740	<b>Water</b>	4000	1619
<b>Intertidal Flat</b>	838	339	<b>Intertidal Flat</b>	2524	1021
<b>Marsh</b>	12648	5119	<b>Marsh</b>	11212	4537
<b>Barrier Vegetation</b>	0	0	<b>Barrier Vegetation</b>	0	0
<b>Bare Land</b>	54	22	<b>Bare Land</b>	349	141
<b>Beach</b>	191	77	<b>Beach</b>	392	159
<b>Rip Rap</b>	3	1	<b>Rip Rap</b>	2	1
<b>Structure</b>	883	357	<b>Structure</b>	439	178
<b>Analysis Extent</b>	18917	7655	<b>Analysis Extent</b>	18917	7655
<b>Hackberry Beach</b>					
<b>Habitat Classes</b>	<b>2004</b>		<b>Habitat Classes</b>	<b>2005</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	3414	1382	<b>Water</b>	5252	2125
<b>Intertidal Flat</b>	903	365	<b>Intertidal Flat</b>	4616	1868
<b>Marsh</b>	17182	6953	<b>Marsh</b>	11625	4705
<b>Barrier Vegetation</b>	0	0	<b>Barrier Vegetation</b>	0	0
<b>Bare Land</b>	28	11	<b>Bare Land</b>	174	70
<b>Beach</b>	102	41	<b>Beach</b>	254	103
<b>Rip Rap</b>	0	0	<b>Rip Rap</b>	0	0
<b>Structure</b>	357	144	<b>Structure</b>	64	26
<b>Analysis Extent</b>	21985	8897	<b>Analysis Extent</b>	21985	8897

Table 7. Habitat change statistics for Johnson’s Bayou in the western Chenier Plain for the time periods 1998 to 2001, 2001 to 2004, 2004 to 2005, and 1998 to 2005.

Habitat Class				Habitat Class			
2001	1998	Acreages	Hectares	2004	2001	Acreages	Hectares
water	water	3533	1430	water	water	3503	1417
unchanged land	unchanged land	23260	9413	unchanged land	unchanged land	25153	10179
intertidal flat	water	32	13	intertidal flat	water	786	318
marsh	water	1026	415	marsh	water	7736	3131
barrier vegetation	water	0	0	barrier vegetation	water	0	0
bare land	water	15	6	bare land	water	123	50
beach	water	12	5	beach	water	43	17
water	intertidal flat	1115	451	water	intertidal flat	48	19
water	marsh	7281	2946	water	marsh	932	377
water	barrier vegetation	0	0	water	barrier vegetation	0	0
water	bare land	153	62	water	bare land	33	13
water	beach	56	23	water	beach	13	5
water	structure	6	2	water	structure	5	2
intertidal flat	marsh	32	13	intertidal flat	marsh	1576	638
intertidal flat	barrier vegetation	0	0	intertidal flat	barrier vegetation	0	0
intertidal flat	bare land	4	2	intertidal flat	bare land	3	1
intertidal flat	beach	13	5	intertidal flat	beach	13	5
marsh	intertidal flat	3206	1298	marsh	intertidal flat	50	20
marsh	barrier vegetation	0	0	marsh	barrier vegetation	0	0
marsh	bare land	824	334	marsh	bare land	88	36
marsh	beach	59	24	marsh	beach	46	18
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	0	0
barrier vegetation	marsh	0	0	barrier vegetation	marsh	0	0
barrier vegetation	bare land	0	0	barrier vegetation	bare land	0	0
barrier vegetation	beach	0	0	barrier vegetation	beach	0	0
bare land	intertidal flat	20	8	bare land	intertidal flat	1	0
bare land	marsh	69	28	bare land	marsh	572	231
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	0	0	bare land	beach	0	0
beach	intertidal flat	24	10	beach	intertidal flat	12	5
beach	marsh	24	10	beach	marsh	83	34
beach	barrier vegetation	0	0	beach	barrier vegetation	0	0
beach	bare land	0	0	beach	bare land	1	0
rip rap	rip rap	0	0	rip rap	rip rap	0	0
structure	structure	527	213	structure	structure	475	192
	analysis extent	41293	16711		analysis extent	41293	16711

Table 7, continued.

Habitat Class				Habitat Class			
2005	2004	Acreages	Hectares	2005	1998	Acreages	Hectares
water	water	3121	1263	water	water	3118	1262
unchanged land	unchanged land	25807	10444	unchanged land	unchanged land	25075	10148
intertidal flat	water	629	254	intertidal flat	water	783	317
marsh	water	1082	438	marsh	water	1127	456
barrier vegetation	water	0	0	barrier vegetation	water	0	0
bare land	water	7	3	bare land	water	4	1
beach	water	13	5	beach	water	9	4
water	intertidal flat	177	72	water	intertidal flat	271	110
water	marsh	2499	1011	water	marsh	2450	991
water	barrier vegetation	0	0	water	barrier vegetation	0	0
water	bare land	61	25	water	bare land	56	22
water	beach	9	4	water	beach	18	7
water	structure	10	4	water	structure	14	6
intertidal flat	marsh	4801	1943	intertidal flat	marsh	3982	1611
intertidal flat	barrier vegetation	0	0	intertidal flat	barrier vegetation	0	0
intertidal flat	bare land	326	132	intertidal flat	bare land	101	41
intertidal flat	beach	110	44	intertidal flat	beach	118	48
marsh	intertidal flat	1945	787	marsh	intertidal flat	2986	1208
marsh	barrier vegetation	0	0	marsh	barrier vegetation	0	0
marsh	bare land	312	126	marsh	bare land	831	336
marsh	beach	56	23	marsh	beach	35	14
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	0	0
barrier vegetation	marsh	0	0	barrier vegetation	marsh	0	0
barrier vegetation	bare land	0	0	barrier vegetation	bare land	0	0
barrier vegetation	beach	0	0	barrier vegetation	beach	0	0
bare land	intertidal flat	4	2	bare land	intertidal flat	8	3
bare land	marsh	102	41	bare land	marsh	85	34
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	1	0	bare land	beach	0	0
beach	intertidal flat	16	6	beach	intertidal flat	10	4
beach	marsh	65	26	beach	marsh	67	27
beach	barrier vegetation	0	0	beach	barrier vegetation	0	0
beach	bare land	0	0	beach	bare land	1	0
rip rap	rip rap	0	0	rip rap	rip rap	0	0
structure	structure	142	57	structure	structure	142	57
	analysis extent	41293	16711		analysis extent	41293	16711

Table 8. Habitat change statistics for Ocean View Beach in the western Chenier Plain for the time periods 1998 to 2001, 2001 to 2004, 2004 to 2005, and 1998 to 2005.

Habitat Class				Habitat Class			
2001	1998	Acreages	Hectares	2004	2001	Acreages	Hectares
water	water	2345	949	water	water	1865	755
unchanged land	unchanged land	5190	2100	unchanged land	unchanged land	6027	2439
intertidal flat	water	32	13	intertidal flat	water	75	30
marsh	water	669	271	marsh	water	1246	504
barrier vegetation	water	0	0	barrier vegetation	water	0	0
bare land	water	4	2	bare land	water	1	0
beach	water	24	10	beach	water	83	34
water	intertidal flat	242	98	water	intertidal flat	14	6
water	marsh	635	257	water	marsh	350	141
water	barrier vegetation	0	0	water	barrier vegetation	0	0
water	bare land	4	1	water	bare land	6	2
water	beach	45	18	water	beach	23	9
water	structure	1	0	water	structure	1	0
intertidal flat	marsh	10	4	intertidal flat	marsh	125	51
intertidal flat	barrier vegetation	0	0	intertidal flat	barrier vegetation	0	0
intertidal flat	bare land	1	1	intertidal flat	bare land	3	1
intertidal flat	beach	18	7	intertidal flat	beach	18	7
marsh	intertidal flat	623	252	marsh	intertidal flat	16	6
marsh	barrier vegetation	0	0	marsh	barrier vegetation	0	0
marsh	bare land	61	25	marsh	bare land	46	19
marsh	beach	10	4	marsh	beach	29	12
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	0	0
barrier vegetation	marsh	0	0	barrier vegetation	marsh	0	0
barrier vegetation	bare land	0	0	barrier vegetation	bare land	0	0
barrier vegetation	beach	0	0	barrier vegetation	beach	0	0
bare land	intertidal flat	2	1	bare land	intertidal flat	0	0
bare land	marsh	32	13	bare land	marsh	8	3
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	0	0	bare land	beach	0	0
beach	intertidal flat	11	5	beach	intertidal flat	30	12
beach	marsh	21	9	beach	marsh	15	6
beach	barrier vegetation	0	0	beach	barrier vegetation	0	0
beach	bare land	0	0	beach	bare land	1	0
rip rap	rip rap	7	3	rip rap	rip rap	7	3
structure	structure	351	142	structure	structure	351	142
	analysis extent	10338	4184		analysis extent	10338	4184

Table 8, continued.

Habitat Class				Habitat Class			
2005	2004	Acreages	Hectares	2005	1998	Acreages	Hectares
water	water	1990	805	water	water	2082	843
unchanged land	unchanged land	5370	2173	unchanged land	unchanged land	4296	1739
intertidal flat	water	128	52	intertidal flat	water	286	116
marsh	water	246	100	marsh	water	723	292
barrier vegetation	water	0	0	barrier vegetation	water	0	0
bare land	water	1	0	bare land	water	3	1
beach	water	31	13	beach	water	121	49
water	intertidal flat	54	22	water	intertidal flat	90	37
water	marsh	703	284	water	marsh	561	227
water	barrier vegetation	0	0	water	barrier vegetation	0	0
water	bare land	1	0	water	bare land	7	3
water	beach	5	2	water	beach	15	6
water	structure	7	3	water	structure	7	3
intertidal flat	marsh	1230	498	intertidal flat	marsh	957	387
intertidal flat	barrier vegetation	0	0	intertidal flat	barrier vegetation	0	0
intertidal flat	bare land	3	1	intertidal flat	bare land	16	6
intertidal flat	beach	52	21	intertidal flat	beach	79	32
marsh	intertidal flat	101	41	marsh	intertidal flat	643	260
marsh	barrier vegetation	0	0	marsh	barrier vegetation	0	0
marsh	bare land	8	3	marsh	bare land	60	24
marsh	beach	13	5	marsh	beach	14	6
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	0	0
barrier vegetation	marsh	0	0	barrier vegetation	marsh	0	0
barrier vegetation	bare land	0	0	barrier vegetation	bare land	0	0
barrier vegetation	beach	0	0	barrier vegetation	beach	0	0
bare land	intertidal flat	1	0	bare land	intertidal flat	1	0
bare land	marsh	34	14	bare land	marsh	29	12
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	0	0	bare land	beach	0	0
beach	intertidal flat	17	7	beach	intertidal flat	19	8
beach	marsh	130	52	beach	marsh	119	48
beach	barrier vegetation	0	0	beach	barrier vegetation	0	0
beach	bare land	0	0	beach	bare land	0	0
rip rap	rip rap	12	5	rip rap	rip rap	10	4
structure	structure	201	81	structure	structure	201	81
	analysis extent	10338	4184		analysis extent	10338	4184

Table 9. Habitat change statistics for Holly Beach in the western Chenier Plain for the time periods 1998 to 2001, 2001 to 2004, 2004 to 2005, and 1998 to 2005.

Habitat Class				Habitat Class			
2001	1998	Acreages	Hectares	2004	2001	Acreages	Hectares
water	water	1769	716	water	water	1712	683
unchanged land	unchanged land	2701	1099	unchanged land	unchanged land	2845	1157
intertidal flat	water	38	15	intertidal flat	water	28	11
marsh	water	122	49	marsh	water	456	185
barrier vegetation	water	0	0	barrier vegetation	water	0	0
bare land	water	3	1	bare land	water	1	0
beach	water	62	25	beach	water	22	9
water	intertidal flat	163	66	water	intertidal flat	31	12
water	marsh	254	103	water	marsh	270	109
water	barrier vegetation	0	0	water	barrier vegetation	0	0
water	bare land	1	1	water	bare land	5	2
water	beach	8	3	water	beach	53	22
water	structure	0	0	water	structure	1	0
intertidal flat	marsh	8	3	intertidal flat	marsh	7	3
intertidal flat	barrier vegetation	0	0	intertidal flat	barrier vegetation	0	0
intertidal flat	bare land	1	0	intertidal flat	bare land	1	0
intertidal flat	beach	6	3	intertidal flat	beach	36	15
marsh	intertidal flat	322	130	marsh	intertidal flat	10	4
marsh	barrier vegetation	0	0	marsh	barrier vegetation	0	0
marsh	bare land	9	4	marsh	bare land	23	9
marsh	beach	6	2	marsh	beach	33	13
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	0	0
barrier vegetation	marsh	0	0	barrier vegetation	marsh	0	0
barrier vegetation	bare land	0	0	barrier vegetation	bare land	0	0
barrier vegetation	beach	0	0	barrier vegetation	beach	0	0
bare land	intertidal flat	9	4	bare land	intertidal flat	1	0
bare land	marsh	30	12	bare land	marsh	1	1
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	0	0	bare land	beach	0	0
beach	intertidal flat	28	11	beach	intertidal flat	10	4
beach	marsh	27	11	beach	marsh	23	9
beach	barrier vegetation	0	0	beach	barrier vegetation	0	0
beach	bare land	0	0	beach	bare land	0	0
rip rap	rip rap	0	0	rip rap	rip rap	1	0
structure	structure	147	60	structure	structure	147	59
	analysis extent	5716	2326		analysis extent	5716	2326

Table 9, continued.

Habitat Class				Habitat Class			
2005	2004	Acreages	Hectares	2005	1998	Acreages	Hectares
water	water	1985	763	water	water	1866	705
unchanged land	unchanged land	2631	1071	unchanged land	unchanged land	2320	944
intertidal flat	water	44	18	intertidal flat	water	80	32
marsh	water	101	41	marsh	water	146	59
barrier vegetation	water	0	0	barrier vegetation	water	0	0
bare land	water	0	0	bare land	water	1	0
beach	water	15	6	beach	water	23	9
water	intertidal flat	38	15	water	intertidal flat	109	44
water	marsh	346	140	water	marsh	419	170
water	barrier vegetation	0	0	water	barrier vegetation	0	0
water	bare land	1	0	water	bare land	2	1
water	beach	25	10	water	beach	23	9
water	structure	8	3	water	structure	8	3
intertidal flat	marsh	295	119	intertidal flat	marsh	227	92
intertidal flat	barrier vegetation	0	0	intertidal flat	barrier vegetation	0	0
intertidal flat	bare land	1	1	intertidal flat	bare land	2	1
intertidal flat	beach	54	22	intertidal flat	beach	32	13
marsh	intertidal flat	7	3	marsh	intertidal flat	324	131
marsh	barrier vegetation	0	0	marsh	barrier vegetation	0	0
marsh	bare land	3	1	marsh	bare land	13	5
marsh	beach	16	6	marsh	beach	9	4
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	0	0
barrier vegetation	marsh	0	0	barrier vegetation	marsh	0	0
barrier vegetation	bare land	0	0	barrier vegetation	bare land	0	0
barrier vegetation	beach	0	0	barrier vegetation	beach	0	0
bare land	intertidal flat	0	0	bare land	intertidal flat	1	1
bare land	marsh	6	2	bare land	marsh	4	1
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	0	0	bare land	beach	0	0
beach	intertidal flat	16	7	beach	intertidal flat	20	8
beach	marsh	60	24	beach	marsh	49	20
beach	barrier vegetation	0	0	beach	barrier vegetation	0	0
beach	bare land	0	0	beach	bare land	1	0
rip rap	rip rap	1	0	rip rap	rip rap	0	0
structure	structure	63	25	structure	structure	39	16
	analysis extent	5716	2326		analysis extent	5716	2326



Table 10. Habitat Change Statistics for West of Hackberry Beach in the western Chenier Plain for the time periods 1998 to 2001, 2001 to 2004, 2004 to 2005, and 1998 to 2005.

Habitat Class				Habitat Class			
2001	1998	Acreages	Hectares	2004	2001	Acreages	Hectares
water	water	5019	2031	water	water	3773	1502
unchanged land	unchanged land	8460	3442	unchanged land	unchanged land	10006	4071
intertidal flat	water	254	103	intertidal flat	water	370	150
marsh	water	1410	570	marsh	water	2469	999
barrier vegetation	water	0	0	barrier vegetation	water	0	0
bare land	water	34	14	bare land	water	2	1
beach	water	8	3	beach	water	47	19
water	intertidal flat	544	220	water	intertidal flat	169	68
water	marsh	973	394	water	marsh	362	146
water	barrier vegetation	0	0	water	barrier vegetation	0	0
water	bare land	22	9	water	bare land	22	9
water	beach	41	17	water	beach	27	11
water	structure	5	2	water	structure	8	3
intertidal flat	marsh	44	18	intertidal flat	marsh	235	95
intertidal flat	barrier vegetation	0	0	intertidal flat	barrier vegetation	0	0
intertidal flat	bare land	0	0	intertidal flat	bare land	15	6
intertidal flat	beach	8	3	intertidal flat	beach	9	4
marsh	intertidal flat	690	279	marsh	intertidal flat	96	39
marsh	barrier vegetation	0	0	marsh	barrier vegetation	0	0
marsh	bare land	49	20	marsh	bare land	292	118
marsh	beach	25	10	marsh	beach	25	10
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	0	0
barrier vegetation	marsh	0	0	barrier vegetation	marsh	0	0
barrier vegetation	bare land	0	0	barrier vegetation	bare land	0	0
barrier vegetation	beach	0	0	barrier vegetation	beach	0	0
bare land	intertidal flat	9	4	bare land	intertidal flat	0	0
bare land	marsh	265	107	bare land	marsh	33	13
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	0	0	bare land	beach	0	0
beach	intertidal flat	40	16	beach	intertidal flat	10	4
beach	marsh	14	6	beach	marsh	15	6
beach	barrier vegetation	0	0	beach	barrier vegetation	0	0
beach	bare land	0	0	beach	bare land	0	0
rip rap	rip rap	3	1	rip rap	rip rap	3	1
structure	structure	918	371	structure	structure	846	343
	analysis extent	18833	7663		analysis extent	18833	7663

Table 10, continued.

Habitat Class				Habitat Class			
2005	2004	Acreages	Hectares	2005	1998	Acreages	Hectares
water	water	3850	1413	water	water	4148	1498
unchanged land	unchanged land	10595	4311	unchanged land	unchanged land	8277	3368
intertidal flat	water	412	167	intertidal flat	water	863	349
marsh	water	336	136	marsh	water	2105	852
barrier vegetation	water	0	0	barrier vegetation	water	0	0
bare land	water	11	4	bare land	water	31	13
beach	water	48	19	beach	water	23	9
water	intertidal flat	387	157	water	intertidal flat	191	77
water	marsh	100	41	water	marsh	69	28
water	barrier vegetation	0	0	water	barrier vegetation	0	0
water	bare land	0	0	water	bare land	1	0
water	beach	8	3	water	beach	23	9
water	structure	11	4	water	structure	11	4
intertidal flat	marsh	1828	740	intertidal flat	marsh	1219	493
intertidal flat	barrier vegetation	0	0	intertidal flat	barrier vegetation	0	0
intertidal flat	bare land	6	2	intertidal flat	bare land	18	7
intertidal flat	beach	62	25	intertidal flat	beach	41	17
marsh	intertidal flat	252	102	marsh	intertidal flat	843	341
marsh	barrier vegetation	0	0	marsh	barrier vegetation	0	0
marsh	bare land	31	13	marsh	bare land	77	31
marsh	beach	4	1	marsh	beach	13	5
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	0	0
barrier vegetation	marsh	0	0	barrier vegetation	marsh	0	0
barrier vegetation	bare land	0	0	barrier vegetation	bare land	0	0
barrier vegetation	beach	0	0	barrier vegetation	beach	0	0
bare land	intertidal flat	15	6	bare land	intertidal flat	10	4
bare land	marsh	209	85	bare land	marsh	184	75
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	1	0	bare land	beach	1	0
beach	intertidal flat	25	10	beach	intertidal flat	91	37
beach	marsh	204	83	beach	marsh	161	65
beach	barrier vegetation	0	0	beach	barrier vegetation	0	0
beach	bare land	0	0	beach	bare land	0	0
rip rap	rip rap	1	1	rip rap	rip rap	1	1
structure	structure	435	176	structure	structure	431	174
	analysis extent	18833	7663		analysis extent	18833	7663

Table 11. Habitat change statistics for Hackberry Beach in the western Chenier Plain for the time periods 1998 to 2001, 2001 to 2004, 2004 to 2005, and 1998 to 2001.

Habitat Class				Habitat Class			
2001	1998	Acreages	Hectares	2004	2001	Acreages	Hectares
water	water	3865	1576	water	water	2810	1137
unchanged land	unchanged land	11219	4565	unchanged land	unchanged land	13483	5486
intertidal flat	water	160	65	intertidal flat	water	559	226
marsh	water	1554	629	marsh	water	3062	1239
barrier vegetation	water	0	0	barrier vegetation	water	0	0
bare land	water	102	41	bare land	water	1	1
beach	water	0	0	beach	water	5	2
water	intertidal flat	1162	470	water	intertidal flat	167	67
water	marsh	1360	550	water	marsh	358	145
water	barrier vegetation	0	0	water	barrier vegetation	0	0
water	bare land	11	4	water	bare land	22	9
water	beach	9	4	water	beach	53	21
water	structure	5	2	water	structure	5	2
intertidal flat	marsh	23	9	intertidal flat	marsh	218	88
intertidal flat	barrier vegetation	0	0	intertidal flat	barrier vegetation	0	0
intertidal flat	bare land	0	0	intertidal flat	bare land	44	18
intertidal flat	beach	1	0	intertidal flat	beach	6	2
marsh	intertidal flat	1301	526	marsh	intertidal flat	43	17
marsh	barrier vegetation	0	0	marsh	barrier vegetation	0	0
marsh	bare land	151	61	marsh	bare land	637	258
marsh	beach	8	3	marsh	beach	10	4
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	0	0
barrier vegetation	marsh	0	0	barrier vegetation	marsh	0	0
barrier vegetation	bare land	0	0	barrier vegetation	bare land	0	0
barrier vegetation	beach	0	0	barrier vegetation	beach	0	0
bare land	intertidal flat	37	15	bare land	intertidal flat	0	0
bare land	marsh	544	220	bare land	marsh	20	8
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	0	0	bare land	beach	0	0
beach	intertidal flat	4	2	beach	intertidal flat	0	0
beach	marsh	8	3	beach	marsh	57	23
beach	barrier vegetation	0	0	beach	barrier vegetation	0	0
beach	bare land	0	0	beach	bare land	1	0
rip rap	rip rap	0	0	rip rap	rip rap	0	0
structure	structure	373	151	structure	structure	334	135
	analysis extent	21895	8909		analysis extent	21895	8909

Table 11, continued.

Habitat Class				Habitat Class			
2005	2004	Acreages	Hectares	2005	1998	Acreages	Hectares
water	water	3016	1141	water	water	3507	1324
unchanged land	unchanged land	11452	4660	unchanged land	unchanged land	9796	3986
intertidal flat	water	390	158	intertidal flat	water	1172	474
marsh	water	171	69	marsh	water	1246	504
barrier vegetation	water	0	0	barrier vegetation	water	0	0
bare land	water	5	2	bare land	water	14	6
beach	water	26	11	beach	water	12	5
water	intertidal flat	374	152	water	intertidal flat	799	323
water	marsh	2046	828	water	marsh	1119	453
water	barrier vegetation	0	0	water	barrier vegetation	0	0
water	bare land	1	1	water	bare land	18	7
water	beach	0	0	water	beach	31	12
water	structure	8	3	water	structure	15	6
intertidal flat	marsh	3794	1535	intertidal flat	marsh	2544	1030
intertidal flat	barrier vegetation	0	0	intertidal flat	barrier vegetation	0	0
intertidal flat	bare land	11	4	intertidal flat	bare land	60	24
intertidal flat	beach	36	15	intertidal flat	beach	39	16
marsh	intertidal flat	183	74	marsh	intertidal flat	1046	423
marsh	barrier vegetation	0	0	marsh	barrier vegetation	0	0
marsh	bare land	13	5	marsh	bare land	109	44
marsh	beach	11	5	marsh	beach	4	2
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	0	0
barrier vegetation	marsh	0	0	barrier vegetation	marsh	0	0
barrier vegetation	bare land	0	0	barrier vegetation	bare land	0	0
barrier vegetation	beach	0	0	barrier vegetation	beach	0	0
bare land	intertidal flat	7	3	bare land	intertidal flat	12	5
bare land	marsh	111	45	bare land	marsh	87	35
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	0	0	bare land	beach	0	0
beach	intertidal flat	6	3	beach	intertidal flat	17	7
beach	marsh	167	68	beach	marsh	186	75
beach	barrier vegetation	0	0	beach	barrier vegetation	0	0
beach	bare land	0	0	beach	bare land	0	0
rip rap	rip rap	0	0	rip rap	rip rap	0	0
structure	structure	64	26	structure	structure	64	26
	analysis extent	21896	8909		analysis extent	21895	8909

**Teche (Raccoon Point to Wine Island Pass)**

Table 12. The amount of land gained, lost, and unchanged between the time periods 1996 to 2002 and 2002 to 2004 in the Teche delta, which includes Raccoon, Whiskey, Trinity, and East Islands.

<b>Raccoon Island</b>					
<b>Habitat Classes</b>	<b>2002 from 1996</b>		<b>Habitat Classes</b>	<b>2004 from 2002</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	1390	563	<b>Water</b>	1405	569
<b>Land Gain</b>	151	61	<b>Land Gain</b>	24	10
<b>Land Loss</b>	41	17	<b>Land Loss</b>	72	29
<b>Land Unchanged</b>	144	58	<b>Land Unchanged</b>	223	90
<b>Analysis Area</b>	1726	699	<b>Analysis Area</b>	1724	698

<b>Whiskey Island</b>					
<b>Habitat Classes</b>	<b>2002 from 1996</b>		<b>Habitat Classes</b>	<b>2004 from 2002</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	3919	1586	<b>Water</b>	4079	1651
<b>Land Gain</b>	468	189	<b>Land Gain</b>	8	3
<b>Land Loss</b>	166	67	<b>Land Loss</b>	258	105
<b>Land Unchanged</b>	384	155	<b>Land Unchanged</b>	593	240
<b>Analysis Area</b>	4936	1998	<b>Analysis Area</b>	4938	1998

<b>Trinity Island</b>					
<b>Habitat Classes</b>	<b>2002 from 1996</b>		<b>Habitat Classes</b>	<b>2004 from 2002</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	2586	1047	<b>Water</b>	2725	1103
<b>Land Gain</b>	279	113	<b>Land Gain</b>	23	9
<b>Land Loss</b>	162	66	<b>Land Loss</b>	153	62
<b>Land Unchanged</b>	598	242	<b>Land Unchanged</b>	725	293
<b>Analysis Area</b>	3626	1467	<b>Analysis Area</b>	3625	1467

<b>East Island</b>					
<b>Habitat Classes</b>	<b>2002 from 1996</b>		<b>Habitat Classes</b>	<b>2004 from 2002</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	2049	829	<b>Water</b>	2092	847
<b>Land Gain</b>	289	117	<b>Land Gain</b>	13	5
<b>Land Loss</b>	54	22	<b>Land Loss</b>	92	37
<b>Land Unchanged</b>	205	83	<b>Land Unchanged</b>	402	163
<b>Analysis Area</b>	2598	1051	<b>Analysis Area</b>	2599	1052

Table 13. The amount of land gained, lost, and unchanged between the time periods 2004 to 2005 and 1996 to 2005 in the Teche delta, which includes Raccoon, Whiskey, Trinity, and East Islands.

<b>Raccoon Island</b>					
<b>Habitat Classes</b>	<b>2005 from 2004</b>		<b>Habitat Classes</b>	<b>2005 from 1996</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	1372	555	<b>Water</b>	1347	545
<b>Land Gain</b>	106	43	<b>Land Gain</b>	194	79
<b>Land Loss</b>	55	22	<b>Land Loss</b>	81	33
<b>Land Unchanged</b>	192	78	<b>Land Unchanged</b>	104	42
<b>Analysis Area</b>	1725	698	<b>Analysis Area</b>	1725	698

<b>Whiskey Island</b>					
<b>Habitat Classes</b>	<b>2005 from 2004</b>		<b>Habitat Classes</b>	<b>2005 from 1996</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	4077	1650	<b>Water</b>	3924	1588
<b>Land Gain</b>	260	105	<b>Land Gain</b>	463	187
<b>Land Loss</b>	44	18	<b>Land Loss</b>	196	79
<b>Land Unchanged</b>	557	225	<b>Land Unchanged</b>	354	143
<b>Analysis Area</b>	4938	1998	<b>Analysis Area</b>	4936	1998

<b>Trinity Island</b>					
<b>Habitat Classes</b>	<b>2005 from 2004</b>		<b>Habitat Classes</b>	<b>2005 from 1996</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	2731	1105	<b>Water</b>	2568	1039
<b>Land Gain</b>	147	59	<b>Land Gain</b>	296	120
<b>Land Loss</b>	33	13	<b>Land Loss</b>	195	79
<b>Land Unchanged</b>	714	289	<b>Land Unchanged</b>	565	229
<b>Analysis Area</b>	3625	1467	<b>Analysis Area</b>	3624	1467

<b>East Island</b>					
<b>Habitat Classes</b>	<b>2005 from 2004</b>		<b>Habitat Classes</b>	<b>2005 from 1996</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	2113	855	<b>Water</b>	2100	850
<b>Land Gain</b>	73	30	<b>Land Gain</b>	239	97
<b>Land Loss</b>	88	36	<b>Land Loss</b>	98	40
<b>Land Unchanged</b>	327	132	<b>Land Unchanged</b>	161	65
<b>Analysis Area</b>	2601	1053	<b>Analysis Area</b>	2598	1051

Table 14. The total amount of land in each habitat class from Raccoon and Whiskey Islands in the Teche delta for the time periods 1996 and 2002.

<b>Raccoon Island</b>					
<b>Habitat Classes</b>	<b>1996</b>		<b>Habitat Classes</b>	<b>2002</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	1542	624	<b>Water</b>	1432	580
<b>Intertidal Flat</b>	57	23	<b>Intertidal Flat</b>	218	88
<b>Marsh</b>	69	28	<b>Marsh</b>	42	17
<b>Barrier Vegetation</b>	0	0	<b>Barrier Vegetation</b>	0	0
<b>Bare Land</b>	5	2	<b>Bare Land</b>	5	2
<b>Beach</b>	53	21	<b>Beach</b>	28	11
<b>Rip Rap</b>	0	0	<b>Rip Rap</b>	2	1
<b>Structure</b>	0	0	<b>Structure</b>	0	0
<b>Analysis Extent</b>	1727	699	<b>Analysis Extent</b>	1727	699
<b>Whiskey Island</b>					
<b>Habitat Classes</b>	<b>1996</b>		<b>Habitat Classes</b>	<b>2002</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	4388	1776	<b>Water</b>	4086	1654
<b>Intertidal Flat</b>	73	30	<b>Intertidal Flat</b>	321	130
<b>Marsh</b>	304	123	<b>Marsh</b>	270	109
<b>Barrier Vegetation</b>	3	1	<b>Barrier Vegetation</b>	8	3
<b>Bare Land</b>	2	1	<b>Bare Land</b>	188	76
<b>Beach</b>	165	67	<b>Beach</b>	64	26
<b>Rip Rap</b>	0	0	<b>Rip Rap</b>	0	0
<b>Structure</b>	1	0	<b>Structure</b>	1	0
<b>Analysis Extent</b>	4937	1998	<b>Analysis Extent</b>	4937	1998



Table 15. The total amount of land in each habitat class from Raccoon and Whiskey Islands in the Teche delta for the time periods 2004 and 2005.

<b>Raccoon Island</b>					
<b>Habitat Classes</b>	<b>2004</b>		<b>Habitat Classes</b>	<b>2005</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	1479	599	<b>Water</b>	1429	578
<b>Intertidal Flat</b>	140	57	<b>Intertidal Flat</b>	189	76
<b>Marsh</b>	54	22	<b>Marsh</b>	12	5
<b>Barrier Vegetation</b>	0	0	<b>Barrier Vegetation</b>	0	0
<b>Bare Land</b>	25	10	<b>Bare Land</b>	0	0
<b>Beach</b>	26	10	<b>Beach</b>	95	38
<b>Rip Rap</b>	2	1	<b>Rip Rap</b>	2	1
<b>Structure</b>	0	0	<b>Structure</b>	0	0
<b>Analysis Extent</b>	1726	699	<b>Analysis Extent</b>	1727	699
<b>Whiskey Island</b>					
<b>Habitat Classes</b>	<b>2004</b>		<b>Habitat Classes</b>	<b>2005</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	4337	1755	<b>Water</b>	4121	1668
<b>Intertidal Flat</b>	64	26	<b>Intertidal Flat</b>	252	102
<b>Marsh</b>	269	109	<b>Marsh</b>	247	100
<b>Barrier Vegetation</b>	55	22	<b>Barrier Vegetation</b>	44	18
<b>Bare Land</b>	101	41	<b>Bare Land</b>	0	0
<b>Beach</b>	111	45	<b>Beach</b>	273	110
<b>Rip Rap</b>	0	0	<b>Rip Rap</b>	0	0
<b>Structure</b>	1	0	<b>Structure</b>	1	0
<b>Analysis Extent</b>	4937	1998	<b>Analysis Extent</b>	4938	1998

Table 16. The total amount of land in each habitat class from Trinity and East Islands in the Teche delta for the time periods 1996 and 2002.

<b>Trinity Island</b>					
<b>Habitat Classes</b>	<b>1996</b>		<b>Habitat Classes</b>	<b>2002</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	2866	1160	<b>Water</b>	2748	1112
<b>Intertidal Flat</b>	143	58	<b>Intertidal Flat</b>	215	87
<b>Marsh</b>	408	165	<b>Marsh</b>	236	95
<b>Barrier Vegetation</b>	6	3	<b>Barrier Vegetation</b>	47	19
<b>Bare Land</b>	14	6	<b>Bare Land</b>	323	131
<b>Beach</b>	188	76	<b>Beach</b>	57	23
<b>Rip Rap</b>	0	0	<b>Rip Rap</b>	0	0
<b>Structure</b>	0	0	<b>Structure</b>	0	0
<b>Analysis Extent</b>	3626	1467	<b>Analysis Extent</b>	3625	1467
<b>East Island</b>					
<b>Habitat Classes</b>	<b>1996</b>		<b>Habitat Classes</b>	<b>2002</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	2339	947	<b>Water</b>	2104	851
<b>Intertidal Flat</b>	66	27	<b>Intertidal Flat</b>	205	83
<b>Marsh</b>	40	16	<b>Marsh</b>	9	4
<b>Barrier Vegetation</b>	16	7	<b>Barrier Vegetation</b>	26	11
<b>Bare Land</b>	1	0	<b>Bare Land</b>	199	80
<b>Beach</b>	136	55	<b>Beach</b>	55	22
<b>Rip Rap</b>	0	0	<b>Rip Rap</b>	0	0
<b>Structure</b>	0	0	<b>Structure</b>	0	0
<b>Analysis Extent</b>	2598	1051	<b>Analysis Extent</b>	2598	1051

Table 17. The total amount of land in each habitat class from Trinity and East Islands in the Teche delta for the time periods 2004 and 2005.

<b>Trinity Island</b>					
<b>Habitat Classes</b>	<b>2004</b>		<b>Habitat Classes</b>	<b>2005</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	2878	1165	<b>Water</b>	2764	1119
<b>Intertidal Flat</b>	96	39	<b>Intertidal Flat</b>	280	113
<b>Marsh</b>	235	95	<b>Marsh</b>	225	91
<b>Barrier Vegetation</b>	165	67	<b>Barrier Vegetation</b>	11	4
<b>Bare Land</b>	234	95	<b>Bare Land</b>	83	34
<b>Beach</b>	17	7	<b>Beach</b>	262	106
<b>Rip Rap</b>	0	0	<b>Rip Rap</b>	0	0
<b>Structure</b>	0	0	<b>Structure</b>	0	0
<b>Analysis Extent</b>	3625	1467	<b>Analysis Extent</b>	3625	1467
<b>East Island</b>					
<b>Habitat Classes</b>	<b>2004</b>		<b>Habitat Classes</b>	<b>2005</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	2183	884	<b>Water</b>	2198	890
<b>Intertidal Flat</b>	191	77	<b>Intertidal Flat</b>	109	44
<b>Marsh</b>	52	21	<b>Marsh</b>	22	9
<b>Barrier Vegetation</b>	54	22	<b>Barrier Vegetation</b>	9	4
<b>Bare Land</b>	31	13	<b>Bare Land</b>	71	29
<b>Beach</b>	87	35	<b>Beach</b>	189	76
<b>Rip Rap</b>	0	0	<b>Rip Rap</b>	0	0
<b>Structure</b>	0	0	<b>Structure</b>	0	0
<b>Analysis Extent</b>	2598	1051	<b>Analysis Extent</b>	2598	1051

Table 18. Habitat change statistics for Raccoon Island in the Teche delta for the time periods 1996 to 2002, 2002 to 2004, 2004 to 2005, and 1996 to 2005.

Habitat Class				Habitat Class			
2002	1996	Acreages	Hectares	2004	2002	Acreages	Hectares
water	water	1391	563	water	water	1407	570
unchanged land	unchanged land	78	32	unchanged land	unchanged land	160	65
intertidal flat	water	134	54	intertidal flat	water	16	7
marsh	water	1	1	marsh	water	2	1
barrier vegetation	water	0	0	barrier vegetation	water	0	0
bare land	water	0	0	bare land	water	3	1
beach	water	14	5	beach	water	3	1
water	intertidal flat	11	5	water	intertidal flat	70	28
water	marsh	6	3	water	marsh	1	0
water	barrier vegetation	0	0	water	barrier vegetation	0	0
water	bare land	0	0	water	bare land	0	0
water	beach	23	9	water	beach	2	1
water	structure	0	0	water	structure	0	0
intertidal flat	marsh	23	9	intertidal flat	marsh	1	1
intertidal flat	barrier vegetation	0	0	intertidal flat	barrier vegetation	0	0
intertidal flat	bare land	2	1	intertidal flat	bare land	0	0
intertidal flat	beach	22	9	intertidal flat	beach	7	3
marsh	intertidal flat	2	1	marsh	intertidal flat	7	3
marsh	barrier vegetation	0	0	marsh	barrier vegetation	0	0
marsh	bare land	1	0	marsh	bare land	4	2
marsh	beach	3	1	marsh	beach	4	2
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	0	0
barrier vegetation	marsh	0	0	barrier vegetation	marsh	0	0
barrier vegetation	bare land	0	0	barrier vegetation	bare land	0	0
barrier vegetation	beach	0	0	barrier vegetation	beach	0	0
bare land	intertidal flat	0	0	bare land	intertidal flat	15	6
bare land	marsh	3	1	bare land	marsh	2	1
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	0	0	bare land	beach	6	2
beach	intertidal flat	6	3	beach	intertidal flat	11	5
beach	marsh	3	1	beach	marsh	2	1
beach	barrier vegetation	0	0	beach	barrier vegetation	0	0
beach	bare land	0	0	beach	bare land	0	0
rip rap	rip rap	2	1	rip rap	rip rap	2	1
structure	structure	0	0	structure	structure	0	0
	analysis extent	1726	699		analysis extent	1726	699

Table 18, continued.

Habitat Class				Habitat Class			
2005	2004	Acreages	Hectares	2005	1996	Acreages	Hectares
water	water	1374	556	water	water	1347	545
unchanged land	unchanged land	91	37	unchanged land	unchanged land	40	16
intertidal flat	water	81	33	intertidal flat	water	129	52
marsh	water	0	0	marsh	water	1	0
barrier vegetation	water	0	0	barrier vegetation	water	0	0
bare land	water	0	0	bare land	water	0	0
beach	water	25	10	beach	water	63	26
water	intertidal flat	33	14	water	intertidal flat	26	10
water	marsh	5	2	water	marsh	20	8
water	barrier vegetation	0	0	water	barrier vegetation	0	0
water	bare land	7	3	water	bare land	1	0
water	beach	10	4	water	beach	33	14
water	structure	0	0	water	structure	0	0
intertidal flat	marsh	17	7	intertidal flat	marsh	21	9
intertidal flat	barrier vegetation	0	0	intertidal flat	barrier vegetation	0	0
intertidal flat	bare land	11	4	intertidal flat	bare land	2	1
intertidal flat	beach	8	3	intertidal flat	beach	14	5
marsh	intertidal flat	0	0	marsh	intertidal flat	1	0
marsh	barrier vegetation	0	0	marsh	barrier vegetation	0	0
marsh	bare land	1	0	marsh	bare land	0	0
marsh	beach	0	0	marsh	beach	0	0
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	0	0
barrier vegetation	marsh	0	0	barrier vegetation	marsh	0	0
barrier vegetation	bare land	0	0	barrier vegetation	bare land	0	0
barrier vegetation	beach	0	0	barrier vegetation	beach	0	0
bare land	intertidal flat	0	0	bare land	intertidal flat	0	0
bare land	marsh	0	0	bare land	marsh	0	0
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	0	0	bare land	beach	0	0
beach	intertidal flat	34	14	beach	intertidal flat	7	3
beach	marsh	21	8	beach	marsh	17	7
beach	barrier vegetation	0	0	beach	barrier vegetation	0	0
beach	bare land	7	3	beach	bare land	2	1
rip rap	rip rap	2	1	rip rap	rip rap	2	1
structure	structure	0	0	structure	structure	0	0
	analysis extent	1726	699		analysis extent	1726	699

Table 19. Habitat change statistics for Whiskey Island in the Teche delta for the time periods 1996 to 2002, 2002 to 2004, 2004 to 2005, and 1996 to 2005.

Habitat Class				Habitat Class			
2002	1996	Acreages	Hectares	2004	2002	Acreages	Hectares
water	water	3920	1587	water	water	4078	1650
unchanged land	unchanged land	257	104	unchanged land	unchanged land	410	166
intertidal flat	water	264	107	intertidal flat	water	1	0
marsh	water	32	13	marsh	water	1	0
barrier vegetation	water	2	1	barrier vegetation	water	0	0
bare land	water	128	52	bare land	water	1	0
beach	water	40	16	beach	water	6	2
water	intertidal flat	39	16	water	intertidal flat	224	91
water	marsh	6	3	water	marsh	18	7
water	barrier vegetation	1	1	water	barrier vegetation	1	1
water	bare land	0	0	water	bare land	6	3
water	beach	119	48	water	beach	8	3
water	structure	0	0	water	structure	0	0
intertidal flat	marsh	17	7	intertidal flat	marsh	0	0
intertidal flat	barrier vegetation	0	0	intertidal flat	barrier vegetation	0	0
intertidal flat	bare land	0	0	intertidal flat	bare land	1	1
intertidal flat	beach	26	11	intertidal flat	beach	18	7
marsh	intertidal flat	2	1	marsh	intertidal flat	11	4
marsh	barrier vegetation	1	0	marsh	barrier vegetation	4	2
marsh	bare land	1	1	marsh	bare land	7	3
marsh	beach	1	0	marsh	beach	1	0
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	3	1
barrier vegetation	marsh	4	2	barrier vegetation	marsh	2	1
barrier vegetation	bare land	0	0	barrier vegetation	bare land	47	19
barrier vegetation	beach	0	0	barrier vegetation	beach	2	1
bare land	intertidal flat	16	6	bare land	intertidal flat	11	4
bare land	marsh	34	14	bare land	marsh	2	1
bare land	barrier vegetation	0	0	bare land	barrier vegetation	1	0
bare land	beach	9	4	bare land	beach	2	1
beach	intertidal flat	3	1	beach	intertidal flat	29	12
beach	marsh	10	4	beach	marsh	3	1
beach	barrier vegetation	0	0	beach	barrier vegetation	0	0
beach	bare land	0	0	beach	bare land	40	16
rip rap	rip rap	0	0	rip rap	rip rap	0	0
structure	structure	1	0	structure	structure	1	0
	analysis extent	4937	1998		analysis extent	4937	1998

Table 19, continued.

Habitat Class				Habitat Class			
2005	2004	Acreages	Hectares	2005	1996	Acreages	Hectares
water	water	4077	1650	water	water	3925	1589
unchanged land	unchanged land	330	133	unchanged land	unchanged land	230	93
intertidal flat	water	189	77	intertidal flat	water	208	84
marsh	water	16	6	marsh	water	36	15
barrier vegetation	water	2	1	barrier vegetation	water	37	15
bare land	water	0	0	bare land	water	0	0
beach	water	53	21	beach	water	182	74
water	intertidal flat	3	1	water	intertidal flat	44	18
water	marsh	7	3	water	marsh	18	7
water	barrier vegetation	2	1	water	barrier vegetation	1	1
water	bare land	3	1	water	bare land	0	0
water	beach	29	12	water	beach	133	54
water	structure	0	0	water	structure	0	0
intertidal flat	marsh	11	4	intertidal flat	marsh	21	9
intertidal flat	barrier vegetation	5	2	intertidal flat	barrier vegetation	1	0
intertidal flat	bare land	11	4	intertidal flat	bare land	0	0
intertidal flat	beach	16	6	intertidal flat	beach	15	6
marsh	intertidal flat	1	0	marsh	intertidal flat	2	1
marsh	barrier vegetation	3	1	marsh	barrier vegetation	1	0
marsh	bare land	2	1	marsh	bare land	1	1
marsh	beach	0	0	marsh	beach	0	0
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	2	1
barrier vegetation	marsh	0	0	barrier vegetation	marsh	5	2
barrier vegetation	bare land	15	6	barrier vegetation	bare land	0	0
barrier vegetation	beach	4	2	barrier vegetation	beach	0	0
bare land	intertidal flat	0	0	bare land	intertidal flat	0	0
bare land	marsh	0	0	bare land	marsh	0	0
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	0	0	bare land	beach	0	0
beach	intertidal flat	39	16	beach	intertidal flat	19	8
beach	marsh	26	11	beach	marsh	54	22
beach	barrier vegetation	23	9	beach	barrier vegetation	0	0
beach	bare land	70	28	beach	bare land	1	0
rip rap	rip rap	0	0	rip rap	rip rap	0	0
structure	structure	1	0	structure	structure	1	0
	analysis extent	4938	1998		analysis extent	4938	1998

Table 20. Habitat change statistics for Trinity Island in the Teche delta for the time periods 1996 to 2002, 2002 to 2004, 2004 to 2005, and 1996 to 2005.

Habitat Class				Habitat Class			
2002	1996	Acreages	Hectares	2004	2002	Acreages	Hectares
water	water	2586	1047	water	water	2725	1103
unchanged land	unchanged land	263	106	unchanged land	unchanged land	484	196
intertidal flat	water	113	46	intertidal flat	water	13	5
marsh	water	11	4	marsh	water	1	0
barrier vegetation	water	9	3	barrier vegetation	water	1	1
bare land	water	134	54	bare land	water	7	3
beach	water	13	5	beach	water	0	0
water	intertidal flat	45	18	water	intertidal flat	107	43
water	marsh	16	6	water	marsh	20	8
water	barrier vegetation	3	1	water	barrier vegetation	3	1
water	bare land	2	1	water	bare land	9	4
water	beach	97	39	water	beach	14	5
water	structure	0	0	water	structure	0	0
intertidal flat	marsh	28	11	intertidal flat	marsh	6	2
intertidal flat	barrier vegetation	1	1	intertidal flat	barrier vegetation	0	0
intertidal flat	bare land	2	1	intertidal flat	bare land	2	1
intertidal flat	beach	36	15	intertidal flat	beach	11	4
marsh	intertidal flat	15	6	marsh	intertidal flat	12	5
marsh	barrier vegetation	1	0	marsh	barrier vegetation	15	6
marsh	bare land	2	1	marsh	bare land	4	2
marsh	beach	2	1	marsh	beach	1	1
barrier vegetation	intertidal flat	4	2	barrier vegetation	intertidal flat	7	3
barrier vegetation	marsh	26	10	barrier vegetation	marsh	7	3
barrier vegetation	bare land	4	2	barrier vegetation	bare land	118	48
barrier vegetation	beach	4	2	barrier vegetation	beach	9	4
bare land	intertidal flat	35	14	bare land	intertidal flat	23	9
bare land	marsh	119	48	bare land	marsh	1	1
bare land	barrier vegetation	1	0	bare land	barrier vegetation	6	2
bare land	beach	31	12	bare land	beach	12	5
beach	intertidal flat	10	4	beach	intertidal flat	2	1
beach	marsh	15	6	beach	marsh	0	0
beach	barrier vegetation	0	0	beach	barrier vegetation	0	0
beach	bare land	1	0	beach	bare land	4	2
rip rap	rip rap	0	0	rip rap	rip rap	0	0
structure	structure	0	0	structure	structure	0	0
	analysis extent	3626	1467		analysis extent	3625	1467



Table 20, continued.

Habitat Class				Habitat Class			
2005	2004	Acreages	Hectares	2005	1996	Acreages	Hectares
water	water	2731	1105	water	water	2569	1040
unchanged land	unchanged land	270	109	unchanged land	unchanged land	246	100
intertidal flat	water	109	44	intertidal flat	water	131	53
marsh	water	20	8	marsh	water	19	8
barrier vegetation	water	0	0	barrier vegetation	water	4	2
bare land	water	0	0	bare land	water	30	12
beach	water	17	7	beach	water	111	45
water	intertidal flat	11	4	water	intertidal flat	44	18
water	marsh	11	4	water	marsh	39	16
water	barrier vegetation	2	1	water	barrier vegetation	4	2
water	bare land	8	3	water	bare land	3	1
water	beach	1	1	water	beach	105	43
water	structure	0	0	water	structure	0	0
intertidal flat	marsh	47	19	intertidal flat	marsh	80	32
intertidal flat	barrier vegetation	30	12	intertidal flat	barrier vegetation	1	0
intertidal flat	bare land	35	14	intertidal flat	bare land	2	1
intertidal flat	beach	11	4	intertidal flat	beach	35	14
marsh	intertidal flat	11	4	marsh	intertidal flat	19	8
marsh	barrier vegetation	21	8	marsh	barrier vegetation	1	0
marsh	bare land	6	3	marsh	bare land	4	2
marsh	beach	0	0	marsh	beach	7	3
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	1	0
barrier vegetation	marsh	1	0	barrier vegetation	marsh	5	2
barrier vegetation	bare land	3	1	barrier vegetation	bare land	0	0
barrier vegetation	beach	0	0	barrier vegetation	beach	0	0
bare land	intertidal flat	0	0	bare land	intertidal flat	11	4
bare land	marsh	3	1	bare land	marsh	38	15
bare land	barrier vegetation	36	14	bare land	barrier vegetation	0	0
bare land	beach	0	0	bare land	beach	2	1
beach	intertidal flat	27	11	beach	intertidal flat	38	15
beach	marsh	7	3	beach	marsh	71	29
beach	barrier vegetation	69	28	beach	barrier vegetation	1	0
beach	bare land	137	56	beach	bare land	3	1
rip rap	rip rap	0	0	rip rap	rip rap	0	0
structure	structure	0	0	structure	structure	0	0
	analysis extent	3625	1467		analysis extent	3625	1467

Table 21. Habitat change statistics for East Island in the Teche delta for the time periods 1996 to 2002, 2002 to 2004, 2004 to 2005, and 1996 to 2005.

Habitat Class				Habitat Class			
2002	1996	Acreages	Hectares	2004	2002	Acreages	Hectares
water	water	2050	830	water	water	2092	847
unchanged land	unchanged land	30	12	unchanged land	unchanged land	158	64
intertidal flat	water	148	60	intertidal flat	water	9	4
marsh	water	2	1	marsh	water	0	0
barrier vegetation	water	8	3	barrier vegetation	water	0	0
bare land	water	96	39	bare land	water	0	0
beach	water	35	14	beach	water	4	1
water	intertidal flat	6	2	water	intertidal flat	76	31
water	marsh	9	4	water	marsh	1	0
water	barrier vegetation	4	1	water	barrier vegetation	3	1
water	bare land	0	0	water	bare land	7	3
water	beach	35	14	water	beach	6	2
water	structure	0	0	water	structure	0	0
intertidal flat	marsh	3	1	intertidal flat	marsh	2	1
intertidal flat	barrier vegetation	2	1	intertidal flat	barrier vegetation	6	3
intertidal flat	bare land	0	0	intertidal flat	bare land	48	19
intertidal flat	beach	41	17	intertidal flat	beach	28	11
marsh	intertidal flat	1	0	marsh	intertidal flat	9	4
marsh	barrier vegetation	1	0	marsh	barrier vegetation	14	6
marsh	bare land	0	0	marsh	bare land	21	9
marsh	beach	1	0	marsh	beach	2	1
barrier vegetation	intertidal flat	5	2	barrier vegetation	intertidal flat	0	0
barrier vegetation	marsh	3	1	barrier vegetation	marsh	0	0
barrier vegetation	bare land	0	0	barrier vegetation	bare land	51	21
barrier vegetation	beach	8	3	barrier vegetation	beach	0	0
bare land	intertidal flat	40	16	bare land	intertidal flat	0	0
bare land	marsh	17	7	bare land	marsh	0	0
bare land	barrier vegetation	6	2	bare land	barrier vegetation	0	0
bare land	beach	39	16	bare land	beach	0	0
beach	intertidal flat	4	2	beach	intertidal flat	21	8
beach	marsh	2	1	beach	marsh	0	0
beach	barrier vegetation	2	1	beach	barrier vegetation	1	0
beach	bare land	0	0	beach	bare land	42	17
rip rap	rip rap	0	0	rip rap	rip rap	0	0
structure	structure	0	0	structure	structure	0	0
	analysis extent	2599	1052		analysis extent	2599	1052

Table 21, continued.

Habitat Class				Habitat Class			
2005	2004	Acreages	Hectares	2005	1996	Acreages	Hectares
water	water	2111	854	water	water	2101	850
unchanged land	unchanged land	116	47	unchanged land	unchanged land	61	25
intertidal flat	water	52	21	intertidal flat	water	86	35
marsh	water	4	2	marsh	water	6	3
barrier vegetation	water	0	0	barrier vegetation	water	4	2
bare land	water	1	1	bare land	water	36	15
beach	water	16	6	beach	water	107	43
water	intertidal flat	42	17	water	intertidal flat	14	6
water	marsh	9	3	water	marsh	16	6
water	barrier vegetation	6	2	water	barrier vegetation	8	3
water	bare land	1	0	water	bare land	0	0
water	beach	32	13	water	beach	59	24
water	structure	0	0	water	structure	0	0
intertidal flat	marsh	5	2	intertidal flat	marsh	3	1
intertidal flat	barrier vegetation	2	1	intertidal flat	barrier vegetation	3	1
intertidal flat	bare land	0	0	intertidal flat	bare land	0	0
intertidal flat	beach	12	5	intertidal flat	beach	12	5
marsh	intertidal flat	7	3	marsh	intertidal flat	5	2
marsh	barrier vegetation	0	0	marsh	barrier vegetation	0	0
marsh	bare land	0	0	marsh	bare land	0	0
marsh	beach	0	0	marsh	beach	8	3
barrier vegetation	intertidal flat	1	0	barrier vegetation	intertidal flat	3	1
barrier vegetation	marsh	1	1	barrier vegetation	marsh	1	0
barrier vegetation	bare land	1	1	barrier vegetation	bare land	0	0
barrier vegetation	beach	0	0	barrier vegetation	beach	1	0
bare land	intertidal flat	10	4	bare land	intertidal flat	23	9
bare land	marsh	6	2	bare land	marsh	6	3
bare land	barrier vegetation	32	13	bare land	barrier vegetation	1	0
bare land	beach	1	0	bare land	beach	5	2
beach	intertidal flat	93	38	beach	intertidal flat	16	6
beach	marsh	22	9	beach	marsh	10	4
beach	barrier vegetation	9	3	beach	barrier vegetation	3	1
beach	bare land	8	3	beach	bare land	0	0
rip rap	rip rap	0	0	rip rap	rip rap	0	0
structure	structure	0	0	structure	structure	0	0
	analysis extent	2599	1052		analysis extent	2599	1052

**Lafourche delta (Cat Island Pass to Quatre Bayou Pass)**

Table 22. The amount of land gained, lost, and unchanged between the time periods 1996 to 2002 and 2002 to 2004 in the Teche delta, which includes Timbalier Island, East Timbalier Island, Caminada Headland, Grand Isle, and Grand Terre Island.

<b>Timbalier Island</b>					
<b>Habitat Classes</b>	<b>2002 from 1996</b>		<b>Habitat Classes</b>	<b>2004 from 2002</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	7805	3159	<b>Water</b>	7860	3181
<b>Land Gain</b>	410	166	<b>Land Gain</b>	184	74
<b>Land Loss</b>	239	97	<b>Land Loss</b>	253	102
<b>Land Unchanged</b>	1069	433	<b>Land Unchanged</b>	1226	496
<b>Analysis Area</b>	9523	3854	<b>Analysis Area</b>	9523	3854

<b>East Timbalier Island</b>					
<b>Habitat Classes</b>	<b>2002 from 1996</b>		<b>Habitat Classes</b>	<b>2004 from 2002</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	2739	1108	<b>Water</b>	2791	1130
<b>Land Gain</b>	239	97	<b>Land Gain</b>	61	25
<b>Land Loss</b>	113	46	<b>Land Loss</b>	144	58
<b>Land Unchanged</b>	242	98	<b>Land Unchanged</b>	338	137
<b>Analysis Area</b>	3334	1349	<b>Analysis Area</b>	3334	1349

<b>Caminada Headland</b>					
<b>Habitat Classes</b>	<b>2002 from 1996</b>		<b>Habitat Classes</b>	<b>2004 from 2002</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	18888	7644	<b>Water</b>	19944	8071
<b>Land Gain</b>	1990	805	<b>Land Gain</b>	422	171
<b>Land Loss</b>	1477	598	<b>Land Loss</b>	2137	865
<b>Land Unchanged</b>	8108	3281	<b>Land Unchanged</b>	7961	3222
<b>Analysis Area</b>	30463	12328	<b>Analysis Area</b>	30463	12328

<b>Grand Isle</b>					
<b>Habitat Classes</b>	<b>2002 from 1996</b>		<b>Habitat Classes</b>	<b>2004 from 2002</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	5538	2241	<b>Water</b>	5614	2272
<b>Land Gain</b>	242	98	<b>Land Gain</b>	50	20
<b>Land Loss</b>	126	51	<b>Land Loss</b>	108	44
<b>Land Unchanged</b>	2194	888	<b>Land Unchanged</b>	2328	942
<b>Analysis Area</b>	8100	3278	<b>Analysis Area</b>	8100	3278

<b>Grand Terre</b>					
<b>Habitat Classes</b>	<b>2002 from 1998</b>		<b>Habitat Classes</b>	<b>2004 from 2002</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	5266	2131	<b>Water</b>	5448	2205
<b>Land Gain</b>	304	123	<b>Land Gain</b>	29	12
<b>Land Loss</b>	210	85	<b>Land Loss</b>	328	133
<b>Land Unchanged</b>	1063	430	<b>Land Unchanged</b>	1039	420
<b>Analysis Area</b>	6843	2769	<b>Analysis Area</b>	6843	2769

Table 23. The amount of land gained, lost, and unchanged between the time periods 2004 to 2005 and 1996 to 2005 in the Teche delta, which includes Timbalier Island, East Timbalier Island, Caminada Headland, Grand Isle, and Grand Terre Island.

<b>Timbalier Island</b>					
<b>Habitat Classes</b>	<b>2005 from 2004</b>		<b>Habitat Classes</b>	<b>2005 from 1996</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	7780	3148	<b>Water</b>	7709	3120
<b>Land Gain</b>	333	135	<b>Land Gain</b>	506	205
<b>Land Loss</b>	207	84	<b>Land Loss</b>	278	112
<b>Land Unchanged</b>	1203	487	<b>Land Unchanged</b>	1031	417
<b>Analysis Area</b>	9523	3854	<b>Analysis Area</b>	9523	3854

<b>East Timbalier Island</b>					
<b>Habitat Classes</b>	<b>2005 from 2004</b>		<b>Habitat Classes</b>	<b>2005 from 1996</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	2773	1122	<b>Water</b>	2695	1091
<b>Land Gain</b>	162	65	<b>Land Gain</b>	283	115
<b>Land Loss</b>	92	37	<b>Land Loss</b>	170	69
<b>Land Unchanged</b>	307	124	<b>Land Unchanged</b>	186	75
<b>Analysis Area</b>	3334	1349	<b>Analysis Area</b>	3334	1349

<b>Caminada Headland</b>					
<b>Habitat Classes</b>	<b>2005 from 2004</b>		<b>Habitat Classes</b>	<b>2005 from 1996</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	19910	8057	<b>Water</b>	19013	7694
<b>Land Gain</b>	2170	878	<b>Land Gain</b>	1867	756
<b>Land Loss</b>	411	166	<b>Land Loss</b>	1308	529
<b>Land Unchanged</b>	7972	3226	<b>Land Unchanged</b>	8275	3349
<b>Analysis Area</b>	30463	12328	<b>Analysis Area</b>	30463	12328

<b>Grand Isle</b>					
<b>Habitat Classes</b>	<b>2005 from 2004</b>		<b>Habitat Classes</b>	<b>2005 from 1996</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	5630	2278	<b>Water</b>	5533	2239
<b>Land Gain</b>	92	37	<b>Land Gain</b>	247	100
<b>Land Loss</b>	91	37	<b>Land Loss</b>	188	76
<b>Land Unchanged</b>	2287	925	<b>Land Unchanged</b>	2131	863
<b>Analysis Area</b>	8100	3278	<b>Analysis Area</b>	8100	3278

<b>Grand Terre</b>					
<b>Habitat Classes</b>	<b>2005 from 2004</b>		<b>Habitat Classes</b>	<b>2005 from 1998</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	5693	2304	<b>Water</b>	5332	2158
<b>Land Gain</b>	82	33	<b>Land Gain</b>	239	97
<b>Land Loss</b>	96	39	<b>Land Loss</b>	458	185
<b>Land Unchanged</b>	972	393	<b>Land Unchanged</b>	815	330
<b>Analysis Area</b>	6843	2769	<b>Analysis Area</b>	6843	2769

Table 24. The total amount of land in each habitat class from Timbalier Island, East Timbalier Island, and the Caminada Headland in the Lafourche delta for the time periods 1996 and 2002.

<b>Timbalier Island</b>					
<b>Habitat Classes</b>	<b>1996</b>		<b>Habitat Classes</b>	<b>2002</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	8821	3570	<b>Water</b>	8047	3257
<b>Intertidal Flat</b>	358	145	<b>Intertidal Flat</b>	520	210
<b>Marsh</b>	806	326	<b>Marsh</b>	837	339
<b>Barrier Vegetation</b>	0	0	<b>Barrier Vegetation</b>	3	1
<b>Bare Land</b>	14	6	<b>Bare Land</b>	22	9
<b>Beach</b>	127	51	<b>Beach</b>	95	39
<b>Rip Rap</b>	2	1	<b>Rip Rap</b>	1	0
<b>Structure</b>	1	1	<b>Structure</b>	1	1
<b>Analysis Extent</b>	10129	4099	<b>Analysis Extent</b>	9526	3855
<b>East Timbalier Island</b>					
<b>Habitat Classes</b>	<b>1996</b>		<b>Habitat Classes</b>	<b>2002</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	2982	1207	<b>Water</b>	2855	1155
<b>Intertidal Flat</b>	114	46	<b>Intertidal Flat</b>	231	93
<b>Marsh</b>	136	55	<b>Marsh</b>	133	54
<b>Barrier Vegetation</b>	11	5	<b>Barrier Vegetation</b>	3	1
<b>Bare Land</b>	2	1	<b>Bare Land</b>	35	14
<b>Beach</b>	77	31	<b>Beach</b>	64	26
<b>Rip Rap</b>	6	2	<b>Rip Rap</b>	8	3
<b>Structure</b>	10	4	<b>Structure</b>	8	3
<b>Analysis Extent</b>	3338	1351	<b>Analysis Extent</b>	3336	1350
<b>Caminada Headland</b>					
<b>Habitat Classes</b>	<b>1996</b>		<b>Habitat Classes</b>	<b>2002</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	20902	8459	<b>Water</b>	20370	8243
<b>Intertidal Flat</b>	398	161	<b>Intertidal Flat</b>	1293	523
<b>Marsh</b>	7802	3157	<b>Marsh</b>	7520	3043
<b>Barrier Vegetation</b>	0	0	<b>Barrier Vegetation</b>	0	0
<b>Bare Land</b>	294	119	<b>Bare Land</b>	173	70
<b>Beach</b>	387	157	<b>Beach</b>	421	171
<b>Rip Rap</b>	0	0	<b>Rip Rap</b>	0	0
<b>Structure</b>	705	285	<b>Structure</b>	690	279
<b>Analysis Extent</b>	30488	12338	<b>Analysis Extent</b>	30468	12330

Table 25. The total amount of land in each habitat class from Timbalier Island, East Timbalier Island, and the Caminada Headland in the Lafourche delta for the time periods 2004 and 2005.

<b>Timbalier Island</b>					
<b>Habitat Classes</b>	<b>2004</b>		<b>Habitat Classes</b>	<b>2005</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	8116	3284	<b>Water</b>	7983	3230
<b>Intertidal Flat</b>	393	159	<b>Intertidal Flat</b>	638	258
<b>Marsh</b>	800	324	<b>Marsh</b>	569	230
<b>Barrier Vegetation</b>	21	8	<b>Barrier Vegetation</b>	0	0
<b>Bare Land</b>	127	51	<b>Bare Land</b>	74	30
<b>Beach</b>	67	27	<b>Beach</b>	253	102
<b>Rip Rap</b>	1	1	<b>Rip Rap</b>	1	1
<b>Structure</b>	1	1	<b>Structure</b>	1	1
<b>Analysis Extent</b>	9526	3855	<b>Analysis Extent</b>	9519	3852
<b>East Timbalier Island</b>					
<b>Habitat Classes</b>	<b>2004</b>		<b>Habitat Classes</b>	<b>2005</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	2937	1189	<b>Water</b>	2864	1159
<b>Intertidal Flat</b>	166	67	<b>Intertidal Flat</b>	246	99
<b>Marsh</b>	131	53	<b>Marsh</b>	20	8
<b>Barrier Vegetation</b>	2	1	<b>Barrier Vegetation</b>	0	0
<b>Bare Land</b>	30	12	<b>Bare Land</b>	0	0
<b>Beach</b>	60	24	<b>Beach</b>	133	54
<b>Rip Rap</b>	3	1	<b>Rip Rap</b>	3	1
<b>Structure</b>	6	3	<b>Structure</b>	6	3
<b>Analysis Extent</b>	3336	1350	<b>Analysis Extent</b>	3272	1324
<b>Caminada Headland</b>					
<b>Habitat Classes</b>	<b>2004</b>		<b>Habitat Classes</b>	<b>2005</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	11083	4485	<b>Water</b>	20323	8225
<b>Intertidal Flat</b>	360	146	<b>Intertidal Flat</b>	1718	695
<b>Marsh</b>	6573	2660	<b>Marsh</b>	6843	2769
<b>Barrier Vegetation</b>	61	25	<b>Barrier Vegetation</b>	0	0
<b>Bare Land</b>	280	113	<b>Bare Land</b>	113	46
<b>Beach</b>	462	187	<b>Beach</b>	514	208
<b>Rip Rap</b>	0	0	<b>Rip Rap</b>	0	0
<b>Structure</b>	647	262	<b>Structure</b>	954	386
<b>Analysis Extent</b>	19466	7878	<b>Analysis Extent</b>	30465	12329



Table 26. The total amount of land in each habitat class from Grand Isle and Grand Terre Island in the Lafourche delta for the time periods 1996 and 2002.

<b>Grand Isle</b>					
<b>Habitat Classes</b>	<b>1996</b>		<b>Habitat Classes</b>	<b>2002</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	5787	2342	<b>Water</b>	5666	2293
<b>Intertidal Flat</b>	5	2	<b>Intertidal Flat</b>	178	72
<b>Marsh</b>	987	399	<b>Marsh</b>	966	391
<b>Barrier Vegetation</b>	197	80	<b>Barrier Vegetation</b>	93	38
<b>Bare Land</b>	58	23	<b>Bare Land</b>	10	4
<b>Beach</b>	116	47	<b>Beach</b>	80	32
<b>Rip Rap</b>	8	3	<b>Rip Rap</b>	13	5
<b>Structure</b>	948	384	<b>Structure</b>	1096	443
<b>Analysis Extent</b>	8106	3280	<b>Analysis Extent</b>	8103	3279
<b>Grand Terre</b>					
<b>Habitat Classes</b>	<b>1998</b>		<b>Habitat Classes</b>	<b>2002</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	5568	2253	<b>Water</b>	5476	2216
<b>Intertidal Flat</b>	358	145	<b>Intertidal Flat</b>	464	188
<b>Marsh</b>	835	338	<b>Marsh</b>	825	334
<b>Barrier Vegetation</b>	20	8	<b>Barrier Vegetation</b>	0	0
<b>Bare Land</b>	18	7	<b>Bare Land</b>	3	1
<b>Beach</b>	43	18	<b>Beach</b>	64	26
<b>Rip Rap</b>	0	0	<b>Rip Rap</b>	0	0
<b>Structure</b>	0	0	<b>Structure</b>	10	4
<b>Analysis Extent</b>	6841	2769	<b>Analysis Extent</b>	6843	2769

Table 27. The total amount of land in each habitat class from Grand Isle and Grand Terre Island in the Lafourche delta for the time periods 2004 and 2005.

<b>Grand Isle</b>					
<b>Habitat Classes</b>	<b>2004</b>		<b>Habitat Classes</b>	<b>2005</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	5726	2317	<b>Water</b>	5722	2315
<b>Intertidal Flat</b>	126	51	<b>Intertidal Flat</b>	136	55
<b>Marsh</b>	638	258	<b>Marsh</b>	779	315
<b>Barrier Vegetation</b>	106	43	<b>Barrier Vegetation</b>	135	54
<b>Bare Land</b>	302	122	<b>Bare Land</b>	45	18
<b>Beach</b>	81	33	<b>Beach</b>	170	69
<b>Rip Rap</b>	13	5	<b>Rip Rap</b>	14	6
<b>Structure</b>	1112	450	<b>Structure</b>	1100	445
<b>Analysis Extent</b>	8104	3280	<b>Analysis Extent</b>	8100	3278
<b>Grand Terre</b>					
<b>Habitat Classes</b>	<b>2004</b>		<b>Habitat Classes</b>	<b>2005</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	5776	2337	<b>Water</b>	5789	2343
<b>Intertidal Flat</b>	42	17	<b>Intertidal Flat</b>	121	49
<b>Marsh</b>	700	283	<b>Marsh</b>	748	303
<b>Barrier Vegetation</b>	195	79	<b>Barrier Vegetation</b>	89	36
<b>Bare Land</b>	31	12	<b>Bare Land</b>	2	1
<b>Beach</b>	89	36	<b>Beach</b>	83	34
<b>Rip Rap</b>	0	0	<b>Rip Rap</b>	0	0
<b>Structure</b>	11	4	<b>Structure</b>	11	4
<b>Analysis Extent</b>	6843	2769	<b>Analysis Extent</b>	6843	2769

Table 28. Habitat change statistics for Timbalier Island in the Lafourche delta for the time periods 1996 to 2002, 2002 to 2004, 2004 to 2005, and 1996 to 2005.

Habitat Class				Habitat Class			
2002	1996	Acreages	Hectares	2004	2002	Acreages	Hectares
water	water	7805	3159	water	water	7860	3181
unchanged land	unchanged land	807	327	unchanged land	unchanged land	952	385
intertidal flat	water	319	129	intertidal flat	water	146	59
marsh	water	71	29	marsh	water	17	7
barrier vegetation	water	0	0	barrier vegetation	water	0	0
bare land	water	5	2	bare land	water	18	7
beach	water	15	6	beach	water	3	1
water	intertidal flat	128	52	water	intertidal flat	210	85
water	marsh	50	20	water	marsh	34	14
water	barrier vegetation	0	0	water	barrier vegetation	0	0
water	bare land	0	0	water	bare land	2	1
water	beach	60	24	water	beach	7	3
water	structure	0	0	water	structure	0	0
intertidal flat	marsh	53	21	intertidal flat	marsh	35	14
intertidal flat	barrier vegetation	0	0	intertidal flat	barrier vegetation	0	0
intertidal flat	bare land	1	0	intertidal flat	bare land	3	1
intertidal flat	beach	25	10	intertidal flat	beach	17	7
marsh	intertidal flat	76	31	marsh	intertidal flat	32	13
marsh	barrier vegetation	0	0	marsh	barrier vegetation	2	1
marsh	bare land	9	4	marsh	bare land	11	4
marsh	beach	20	8	marsh	beach	18	7
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	3	1
barrier vegetation	marsh	2	1	barrier vegetation	marsh	3	1
barrier vegetation	bare land	0	0	barrier vegetation	bare land	0	0
barrier vegetation	beach	0	0	barrier vegetation	beach	14	6
bare land	intertidal flat	5	2	bare land	intertidal flat	59	24
bare land	marsh	10	4	bare land	marsh	37	15
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	0	0	bare land	beach	7	3
beach	intertidal flat	27	11	beach	intertidal flat	24	10
beach	marsh	30	12	beach	marsh	7	3
beach	barrier vegetation	0	0	beach	barrier vegetation	0	0
beach	bare land	2	1	beach	bare land	0	0
rip rap	rip rap	1	0	rip rap	rip rap	1	0
structure	structure	1	1	structure	structure	1	1
	analysis extent	9523	3854		analysis extent	9522	3853

Table 28, continued.

Habitat Class				Habitat Class			
2005	2004	Acreages	Hectares	2005	1996	Acreages	Hectares
water	water	7779	3148	water	water	7709	3120
unchanged land	unchanged land	811	328	unchanged land	unchanged land	600	243
intertidal flat	water	307	124	intertidal flat	water	345	140
marsh	water	18	7	marsh	water	39	16
barrier vegetation	water	0	0	barrier vegetation	water	0	0
bare land	water	0	0	bare land	water	34	14
beach	water	9	4	beach	water	88	36
water	intertidal flat	153	62	water	intertidal flat	151	61
water	marsh	34	14	water	marsh	62	25
water	barrier vegetation	2	1	water	barrier vegetation	0	0
water	bare land	12	5	water	bare land	0	0
water	beach	5	2	water	beach	64	26
water	structure	0	0	water	structure	0	0
intertidal flat	marsh	155	63	intertidal flat	marsh	176	71
intertidal flat	barrier vegetation	2	1	intertidal flat	barrier vegetation	0	0
intertidal flat	bare land	13	5	intertidal flat	bare land	1	1
intertidal flat	beach	8	3	intertidal flat	beach	24	10
marsh	intertidal flat	8	3	marsh	intertidal flat	43	17
marsh	barrier vegetation	1	0	marsh	barrier vegetation	0	0
marsh	bare land	1	0	marsh	bare land	2	1
marsh	beach	0	0	marsh	beach	9	4
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	0	0
barrier vegetation	marsh	0	0	barrier vegetation	marsh	0	0
barrier vegetation	bare land	0	0	barrier vegetation	bare land	0	0
barrier vegetation	beach	0	0	barrier vegetation	beach	0	0
bare land	intertidal flat	2	1	bare land	intertidal flat	21	8
bare land	marsh	9	4	bare land	marsh	16	7
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	0	0	bare land	beach	0	0
beach	intertidal flat	77	31	beach	intertidal flat	51	21
beach	marsh	60	24	beach	marsh	77	31
beach	barrier vegetation	15	6	beach	barrier vegetation	0	0
beach	bare land	38	16	beach	bare land	8	3
rip rap	rip rap	1	0	rip rap	rip rap	1	0
structure	structure	1	1	structure	structure	1	1
	analysis extent	9522	3853		analysis extent	9522	3854

Table 29. Habitat change statistics for East Timbalier Island in the Lafourche delta for the time periods 1996 to 2002, 2002 to 2004, 2004 to 2005, and 1996 to 2005.

Habitat Class				Habitat Class			
2002	1996	Acreages	Hectares	2004	2002	Acreages	Hectares
water	water	2747	1112	water	water	2791	1130
unchanged land	unchanged land	125	51	unchanged land	unchanged land	203	82
intertidal flat	water	161	65	intertidal flat	water	47	19
marsh	water	28	11	marsh	water	4	2
barrier vegetation	water	0	0	barrier vegetation	water	0	0
bare land	water	17	7	bare land	water	0	0
beach	water	26	10	beach	water	8	3
water	intertidal flat	42	17	water	intertidal flat	109	44
water	marsh	22	9	water	marsh	10	4
water	barrier vegetation	2	1	water	barrier vegetation	0	0
water	bare land	0	0	water	bare land	1	0
water	beach	40	16	water	beach	16	7
water	structure	3	1	water	structure	3	1
intertidal flat	marsh	15	6	intertidal flat	marsh	8	3
intertidal flat	barrier vegetation	1	0	intertidal flat	barrier vegetation	0	0
intertidal flat	bare land	0	0	intertidal flat	bare land	9	4
intertidal flat	beach	18	7	intertidal flat	beach	25	10
marsh	intertidal flat	17	7	marsh	intertidal flat	21	9
marsh	barrier vegetation	5	2	marsh	barrier vegetation	2	1
marsh	bare land	1	0	marsh	bare land	6	2
marsh	beach	3	1	marsh	beach	2	1
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	0	0
barrier vegetation	marsh	1	0	barrier vegetation	marsh	0	0
barrier vegetation	bare land	0	0	barrier vegetation	bare land	0	0
barrier vegetation	beach	0	0	barrier vegetation	beach	1	0
bare land	intertidal flat	9	4	bare land	intertidal flat	6	2
bare land	marsh	6	2	bare land	marsh	10	4
bare land	barrier vegetation	1	0	bare land	barrier vegetation	0	0
bare land	beach	2	1	bare land	beach	1	0
beach	intertidal flat	11	4	beach	intertidal flat	17	7
beach	marsh	13	5	beach	marsh	10	4
beach	barrier vegetation	1	1	beach	barrier vegetation	1	0
beach	bare land	0	0	beach	bare land	5	2
rip rap	rip rap	6	2	rip rap	rip rap	8	3
structure	structure	10	4	structure	structure	8	3
	analysis extent	3334	1349		analysis extent	3334	1349

Table 29, continued.

Habitat Class				Habitat Class			
2005	2004	Acreages	Hectares	2005	1996	Acreages	Hectares
water	water	2772	1122	water	water	2705	1095
unchanged land	unchanged land	152	62	unchanged land	unchanged land	80	32
intertidal flat	water	134	54	intertidal flat	water	190	77
marsh	water	3	1	marsh	water	17	7
barrier vegetation	water	0	0	barrier vegetation	water	0	0
bare land	water	0	0	bare land	water	0	0
beach	water	24	10	beach	water	73	30
water	intertidal flat	61	25	water	intertidal flat	54	22
water	marsh	11	4	water	marsh	47	19
water	barrier vegetation	1	0	water	barrier vegetation	4	2
water	bare land	2	1	water	bare land	0	0
water	beach	17	7	water	beach	54	22
water	structure	0	0	water	structure	5	2
intertidal flat	marsh	23	9	intertidal flat	marsh	21	8
intertidal flat	barrier vegetation	1	0	intertidal flat	barrier vegetation	2	1
intertidal flat	bare land	8	3	intertidal flat	bare land	0	0
intertidal flat	beach	18	7	intertidal flat	beach	10	4
marsh	intertidal flat	2	1	marsh	intertidal flat	10	4
marsh	barrier vegetation	0	0	marsh	barrier vegetation	3	1
marsh	bare land	6	2	marsh	bare land	1	0
marsh	beach	2	1	marsh	beach	1	0
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	0	0
barrier vegetation	marsh	0	0	barrier vegetation	marsh	0	0
barrier vegetation	bare land	0	0	barrier vegetation	bare land	0	0
barrier vegetation	beach	0	0	barrier vegetation	beach	0	0
bare land	intertidal flat	0	0	bare land	intertidal flat	0	0
bare land	marsh	0	0	bare land	marsh	0	0
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	0	0	bare land	beach	0	0
beach	intertidal flat	40	16	beach	intertidal flat	26	11
beach	marsh	30	12	beach	marsh	20	8
beach	barrier vegetation	1	0	beach	barrier vegetation	2	1
beach	bare land	15	6	beach	bare land	0	0
rip rap	rip rap	3	1	rip rap	rip rap	3	1
structure	structure	6	3	structure	structure	6	3
	analysis extent	3332	1349		analysis extent	3337	1350

Table 30. Habitat change statistics for the Caminada Headland in the Lafourche delta for the time periods 1996 to 2002, 2002 to 2004, 2004 to 2005, and 1996 to 2005.

Habitat Class				Habitat Class			
2002	1996	Acreages	Hectares	2004	2002	Acreages	Hectares
water	water	19000	7689	water	water	19905	8055
unchanged land	unchanged land	6473	2620	unchanged land	unchanged land	6537	2645
intertidal flat	water	777	314	intertidal flat	water	103	42
marsh	water	948	384	marsh	water	247	100
barrier vegetation	water	0	0	barrier vegetation	water	3	1
bare land	water	41	16	bare land	water	26	10
beach	water	78	32	beach	water	32	13
water	intertidal flat	211	85	water	intertidal flat	771	312
water	marsh	961	389	water	marsh	1260	510
water	barrier vegetation	0	0	water	barrier vegetation	0	0
water	bare land	31	13	water	bare land	13	5
water	beach	135	55	water	beach	81	33
water	structure	25	10	water	structure	12	5
intertidal flat	marsh	312	126	intertidal flat	marsh	14	6
intertidal flat	barrier vegetation	0	0	intertidal flat	barrier vegetation	0	0
intertidal flat	bare land	10	4	intertidal flat	bare land	1	0
intertidal flat	beach	105	42	intertidal flat	beach	46	19
marsh	intertidal flat	63	26	marsh	intertidal flat	148	60
marsh	barrier vegetation	0	0	marsh	barrier vegetation	0	0
marsh	bare land	213	86	marsh	bare land	86	35
marsh	beach	25	10	marsh	beach	37	15
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	7	3
barrier vegetation	marsh	0	0	barrier vegetation	marsh	29	12
barrier vegetation	bare land	0	0	barrier vegetation	bare land	9	4
barrier vegetation	beach	0	0	barrier vegetation	beach	12	5
bare land	intertidal flat	1	0	bare land	intertidal flat	63	26
bare land	marsh	87	35	bare land	marsh	101	41
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	2	1	bare land	beach	0	0
beach	intertidal flat	34	14	beach	intertidal flat	106	43
beach	marsh	188	76	beach	marsh	60	24
beach	barrier vegetation	0	0	beach	barrier vegetation	0	0
beach	bare land	0	0	beach	bare land	15	6
rip rap	rip rap	0	0	rip rap	rip rap	0	0
structure	structure	705	285	structure	structure	690	279
	analysis extent	30425	12313		analysis extent	30413	12308

Table 30, continued.

Habitat Class				Habitat Class			
2005	2004	Acreages	Hectares	2005	1996	Acreages	Hectares
water	water	20168	8162	water	water	19036	7704
unchanged land	unchanged land	6183	2502	unchanged land	unchanged land	6013	2433
intertidal flat	water	1138	461	intertidal flat	water	727	294
marsh	water	921	373	marsh	water	719	291
barrier vegetation	water	0	0	barrier vegetation	water	0	0
bare land	water	10	4	bare land	water	8	3
beach	water	61	25	beach	water	146	59
water	intertidal flat	244	99	water	intertidal flat	290	117
water	marsh	55	22	water	marsh	671	272
water	barrier vegetation	5	2	water	barrier vegetation	0	0
water	bare land	1	0	water	bare land	36	14
water	beach	99	40	water	beach	247	100
water	structure	7	3	water	structure	21	8
intertidal flat	marsh	382	155	intertidal flat	marsh	872	353
intertidal flat	barrier vegetation	11	5	intertidal flat	barrier vegetation	0	0
intertidal flat	bare land	2	1	intertidal flat	bare land	23	9
intertidal flat	beach	108	44	intertidal flat	beach	47	19
marsh	intertidal flat	3	1	marsh	intertidal flat	38	15
marsh	barrier vegetation	18	7	marsh	barrier vegetation	0	0
marsh	bare land	24	10	marsh	bare land	192	78
marsh	beach	6	2	marsh	beach	18	7
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	0	0
barrier vegetation	marsh	0	0	barrier vegetation	marsh	0	0
barrier vegetation	bare land	0	0	barrier vegetation	bare land	0	0
barrier vegetation	beach	0	0	barrier vegetation	beach	0	0
bare land	intertidal flat	0	0	bare land	intertidal flat	0	0
bare land	marsh	82	33	bare land	marsh	69	28
bare land	barrier vegetation	6	2	bare land	barrier vegetation	0	0
bare land	beach	10	4	bare land	beach	2	1
beach	intertidal flat	38	15	beach	intertidal flat	22	9
beach	marsh	160	65	beach	marsh	270	109
beach	barrier vegetation	19	8	beach	barrier vegetation	0	0
beach	bare land	0	0	beach	bare land	2	1
rip rap	rip rap	0	0	rip rap	rip rap	0	0
structure	structure	647	262	structure	structure	954	386
	analysis extent	30408	12306		analysis extent	30422	12311



Table 31. Habitat change statistics for Grand Isle in the Lafourche delta for the time periods 1996 to 2002, 2002 to 2004, 2004 to 2005, and 1996 to 2005.

Habitat Class				Habitat Class			
2002	1996	Acreages	Hectares	2004	2002	Acreages	Hectares
water	water	5664	2292	water	water	5612	2271
unchanged land	unchanged land	847	343	unchanged land	unchanged land	765	310
intertidal flat	water	65	26	intertidal flat	water	21	9
marsh	water	139	56	marsh	water	9	4
barrier vegetation	water	3	1	barrier vegetation	water	1	0
bare land	water	1	0	bare land	water	1	1
beach	water	7	3	beach	water	2	1
water	intertidal flat	1	1	water	intertidal flat	35	14
water	marsh	51	21	water	marsh	66	27
water	barrier vegetation	17	7	water	barrier vegetation	1	0
water	bare land	4	2	water	bare land	1	0
water	beach	42	17	water	beach	1	1
water	structure	8	3	water	structure	5	2
intertidal flat	marsh	28	11	intertidal flat	marsh	3	1
intertidal flat	barrier vegetation	39	16	intertidal flat	barrier vegetation	1	1
intertidal flat	bare land	2	1	intertidal flat	bare land	0	0
intertidal flat	beach	42	17	intertidal flat	beach	8	3
marsh	intertidal flat	2	1	marsh	intertidal flat	7	3
marsh	barrier vegetation	26	10	marsh	barrier vegetation	4	2
marsh	bare land	20	8	marsh	bare land	3	1
marsh	beach	1	0	marsh	beach	1	0
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	5	2
barrier vegetation	marsh	7	3	barrier vegetation	marsh	12	5
barrier vegetation	bare land	1	0	barrier vegetation	bare land	0	0
barrier vegetation	beach	5	2	barrier vegetation	beach	34	14
bare land	intertidal flat	0	0	bare land	intertidal flat	2	1
bare land	marsh	5	2	bare land	marsh	244	99
bare land	barrier vegetation	0	0	bare land	barrier vegetation	26	10
bare land	beach	0	0	bare land	beach	2	1
beach	intertidal flat	0	0	beach	intertidal flat	36	15
beach	marsh	5	2	beach	marsh	3	1
beach	barrier vegetation	41	17	beach	barrier vegetation	6	3
beach	bare land	0	0	beach	bare land	1	0
rip rap	rip rap	8	3	rip rap	rip rap	13	5
structure	structure	948	384	structure	structure	1096	443
	analysis extent	8030	3250		analysis extent	8028	3249

Table 31, continued.

Habitat Class				Habitat Class			
2005	2004	Acreages	Hectares	2005	1996	Acreages	Hectares
water	water	5557	2249	water	water	5511	2230
unchanged land	unchanged land	691	280	unchanged land	unchanged land	651	263
intertidal flat	water	26	11	intertidal flat	water	48	20
marsh	water	43	17	marsh	water	118	48
barrier vegetation	water	2	1	barrier vegetation	water	4	2
bare land	water	3	1	bare land	water	3	1
beach	water	13	5	beach	water	39	16
water	intertidal flat	47	19	water	intertidal flat	1	1
water	marsh	20	8	water	marsh	86	35
water	barrier vegetation	2	1	water	barrier vegetation	26	10
water	bare land	10	4	water	bare land	7	3
water	beach	5	2	water	beach	57	23
water	structure	4	2	water	structure	7	3
intertidal flat	marsh	17	7	intertidal flat	marsh	31	13
intertidal flat	barrier vegetation	8	3	intertidal flat	barrier vegetation	27	11
intertidal flat	bare land	8	3	intertidal flat	bare land	3	1
intertidal flat	beach	20	8	intertidal flat	beach	24	10
marsh	intertidal flat	0	0	marsh	intertidal flat	1	1
marsh	barrier vegetation	12	5	marsh	barrier vegetation	32	13
marsh	bare land	176	71	marsh	bare land	10	4
marsh	beach	1	0	marsh	beach	1	0
barrier vegetation	intertidal flat	1	0	barrier vegetation	intertidal flat	0	0
barrier vegetation	marsh	38	15	barrier vegetation	marsh	86	35
barrier vegetation	bare land	73	29	barrier vegetation	bare land	5	2
barrier vegetation	beach	2	1	barrier vegetation	beach	1	1
bare land	intertidal flat	3	1	bare land	intertidal flat	0	0
bare land	marsh	14	5	bare land	marsh	36	14
bare land	barrier vegetation	0	0	bare land	barrier vegetation	1	0
bare land	beach	2	1	bare land	beach	0	0
beach	intertidal flat	19	8	beach	intertidal flat	0	0
beach	marsh	7	3	beach	marsh	16	7
beach	barrier vegetation	65	26	beach	barrier vegetation	82	33
beach	bare land	13	5	beach	bare land	0	0
rip rap	rip rap	13	5	rip rap	rip rap	14	6
structure	structure	1112	450	structure	structure	1100	445
	analysis extent	8027	3249		analysis extent	8030	3250

Table 32. Habitat change statistics for Grand Terre Island in the Lafourche delta for the time periods 1998 to 2002, 2002 to 2004, 2004 to 2005, and 1998 to 2005.

Habitat Class				Habitat Class			
2002	1998	Acreages	Hectares	2004	2002	Acreages	Hectares
water	water	5274	2134	water	water	5448	2205
unchanged land	unchanged land	667	270	unchanged land	unchanged land	646	261
intertidal flat	water	172	70	intertidal flat	water	4	2
marsh	water	117	47	marsh	water	14	6
barrier vegetation	water	0	0	barrier vegetation	water	5	2
bare land	water	2	1	bare land	water	1	1
beach	water	12	5	beach	water	4	2
water	intertidal flat	105	42	water	intertidal flat	265	107
water	marsh	81	33	water	marsh	45	18
water	barrier vegetation	1	0	water	barrier vegetation	0	0
water	bare land	0	0	water	bare land	0	0
water	beach	24	10	water	beach	17	7
water	structure	0	0	water	structure	0	0
intertidal flat	marsh	167	68	intertidal flat	marsh	4	2
intertidal flat	barrier vegetation	6	2	intertidal flat	barrier vegetation	0	0
intertidal flat	bare land	2	1	intertidal flat	bare land	0	0
intertidal flat	beach	11	4	intertidal flat	beach	7	3
marsh	intertidal flat	125	50	marsh	intertidal flat	87	35
marsh	barrier vegetation	7	3	marsh	barrier vegetation	0	0
marsh	bare land	14	6	marsh	bare land	1	0
marsh	beach	5	2	marsh	beach	4	2
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	34	14
barrier vegetation	marsh	0	0	barrier vegetation	marsh	145	59
barrier vegetation	bare land	0	0	barrier vegetation	bare land	1	0
barrier vegetation	beach	0	0	barrier vegetation	beach	11	4
bare land	intertidal flat	0	0	bare land	intertidal flat	15	6
bare land	marsh	0	0	bare land	marsh	13	5
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	0	0	bare land	beach	0	0
beach	intertidal flat	21	9	beach	intertidal flat	37	15
beach	marsh	21	8	beach	marsh	24	10
beach	barrier vegetation	6	3	beach	barrier vegetation	0	0
beach	bare land	1	0	beach	bare land	0	0
rip rap	rip rap	0	0	rip rap	rip rap	0	0
structure	structure	0	0	structure	structure	10	4
	analysis extent	6842	2769		analysis extent	6842	2769

Table 32, continued.

Habitat Class				Habitat Class			
2005	2004	Acreages	Hectares	2005	1998	Acreages	Hectares
water	water	5692	2303	water	water	5330	2157
unchanged land	unchanged land	707	286	unchanged land	unchanged land	519	210
intertidal flat	water	35	14	intertidal flat	water	42	17
marsh	water	41	17	marsh	water	174	70
barrier vegetation	water	1	0	barrier vegetation	water	6	2
bare land	water	0	0	bare land	water	2	1
beach	water	5	2	beach	water	15	6
water	intertidal flat	30	12	water	intertidal flat	203	82
water	marsh	31	12	water	marsh	205	83
water	barrier vegetation	12	5	water	barrier vegetation	11	4
water	bare land	1	0	water	bare land	5	2
water	beach	21	9	water	beach	35	14
water	structure	0	0	water	structure	16	7
intertidal flat	marsh	28	11	intertidal flat	marsh	58	23
intertidal flat	barrier vegetation	8	3	intertidal flat	barrier vegetation	3	1
intertidal flat	bare land	3	1	intertidal flat	bare land	1	0
intertidal flat	beach	38	15	intertidal flat	beach	1	1
marsh	intertidal flat	1	0	marsh	intertidal flat	70	28
marsh	barrier vegetation	79	32	marsh	barrier vegetation	0	0
marsh	bare land	20	8	marsh	bare land	2	1
marsh	beach	4	2	marsh	beach	3	1
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	47	19
barrier vegetation	marsh	7	3	barrier vegetation	marsh	24	10
barrier vegetation	bare land	4	2	barrier vegetation	bare land	7	3
barrier vegetation	beach	5	2	barrier vegetation	beach	1	0
bare land	intertidal flat	0	0	bare land	intertidal flat	0	0
bare land	marsh	0	0	bare land	marsh	0	0
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	0	0	bare land	beach	0	0
beach	intertidal flat	1	1	beach	intertidal flat	20	8
beach	marsh	31	12	beach	marsh	41	17
beach	barrier vegetation	24	10	beach	barrier vegetation	3	1
beach	bare land	1	0	beach	bare land	3	1
rip rap	rip rap	0	0	rip rap	rip rap	0	0
structure	structure	11	4	structure	structure	11	4
	analysis extent	6842	2769		analysis extent	6859	2776

**Modern Delta (Quatre Bayou Pass to Sandy Point)**

Table 33. The amount of land gained, lost, and unchanged between the time periods 1998 to 2002 and 2002 to 2004 in the Modern delta, which includes the Chaland Headland, Bay Jo Wise, Shell Island, Scofield, and Sandy Point.

<b>Chaland Headland</b>					
<b>Habitat Classes</b>	<b>2002 from 1998</b>		<b>Habitat Classes</b>	<b>2004 from 2002</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	4324	1750	<b>Water</b>	4490	1817
<b>Land Gain</b>	463	187	<b>Land Gain</b>	36	14
<b>Land Loss</b>	202	82	<b>Land Loss</b>	707	286
<b>Land Unchanged</b>	1946	788	<b>Land Unchanged</b>	1702	689
<b>Analysis Area</b>	6935	2807	<b>Analysis Area</b>	6935	2807
<b>Bay Jo Wise</b>					
<b>Habitat Classes</b>	<b>2002 from 1998</b>		<b>Habitat Classes</b>	<b>2004 from 2002</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	1634	661	<b>Water</b>	1656	670
<b>Land Gain</b>	100	40	<b>Land Gain</b>	28	11
<b>Land Loss</b>	50	20	<b>Land Loss</b>	266	108
<b>Land Unchanged</b>	531	215	<b>Land Unchanged</b>	365	148
<b>Analysis Area</b>	2315	937	<b>Analysis Area</b>	2315	937
<b>Shell Island</b>					
<b>Habitat Classes</b>	<b>2002 from 1998</b>		<b>Habitat Classes</b>	<b>2004 from 2002</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	2212	895	<b>Water</b>	2239	906
<b>Land Gain</b>	96	39	<b>Land Gain</b>	75	30
<b>Land Loss</b>	102	41	<b>Land Loss</b>	61	25
<b>Land Unchanged</b>	140	57	<b>Land Unchanged</b>	175	71
<b>Analysis Area</b>	2549	1032	<b>Analysis Area</b>	2549	1032
<b>Scofield</b>					
<b>Habitat Classes</b>	<b>2002 from 1998</b>		<b>Habitat Classes</b>	<b>2004 from 2002</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	7089	2869	<b>Water</b>	6978	2824
<b>Land Gain</b>	249	101	<b>Land Gain</b>	207	84
<b>Land Loss</b>	96	39	<b>Land Loss</b>	110	45
<b>Land Unchanged</b>	635	257	<b>Land Unchanged</b>	773	313
<b>Analysis Area</b>	8068	3265	<b>Analysis Area</b>	8068	3265
<b>Sandy Point</b>					
<b>Habitat Classes</b>	<b>2001 from 1998</b>		<b>Habitat Classes</b>	<b>2004 from 2001</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	3173	1284	<b>Water</b>	2943	1191
<b>Land Gain</b>	512	207	<b>Land Gain</b>	567	229
<b>Land Loss</b>	337	136	<b>Land Loss</b>	122	49
<b>Land Unchanged</b>	1350	546	<b>Land Unchanged</b>	1741	704
<b>Analysis Area</b>	5372	2174	<b>Analysis Area</b>	5372	2174

Table 34. The amount of land gained, lost, and unchanged between the time periods 2004 to 2005 and 1998 to 2005 in the Modern delta, which includes the Chaland Headland, Bay Jo Wise, Shell Island, Scofield, and Sandy Point.

<b>Chaland Headland</b>					
<b>Habitat Classes</b>	<b>2005 from 2004</b>		<b>Habitat Classes</b>	<b>2005 from 1998</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	4806	1945	<b>Water</b>	4473	1810
<b>Land Gain</b>	391	158	<b>Land Gain</b>	314	127
<b>Land Loss</b>	78	32	<b>Land Loss</b>	411	166
<b>Land Unchanged</b>	1660	672	<b>Land Unchanged</b>	1737	703
<b>Analysis Area</b>	6935	2807	<b>Analysis Area</b>	6935	2806
<b>Bay Jo Wise</b>					
<b>Habitat Classes</b>	<b>2005 from 2004</b>		<b>Habitat Classes</b>	<b>2005 from 1998</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	1854	750	<b>Water</b>	1682	681
<b>Land Gain</b>	68	28	<b>Land Gain</b>	52	21
<b>Land Loss</b>	52	21	<b>Land Loss</b>	225	91
<b>Land Unchanged</b>	340	138	<b>Land Unchanged</b>	357	144
<b>Analysis Area</b>	2315	937	<b>Analysis Area</b>	2315	937
<b>Shell Island</b>					
<b>Habitat Classes</b>	<b>2005 from 2004</b>		<b>Habitat Classes</b>	<b>2005 from 1998</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	2287	926	<b>Water</b>	2288	926
<b>Land Gain</b>	12	5	<b>Land Gain</b>	20	8
<b>Land Loss</b>	163	66	<b>Land Loss</b>	162	66
<b>Land Unchanged</b>	87	35	<b>Land Unchanged</b>	80	32
<b>Analysis Area</b>	2549	1032	<b>Analysis Area</b>	2549	1032
<b>Scofield</b>					
<b>Habitat Classes</b>	<b>2005 from 2004</b>		<b>Habitat Classes</b>	<b>2005 from 1998</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	7062	2858	<b>Water</b>	7224	2924
<b>Land Gain</b>	26	10	<b>Land Gain</b>	113	46
<b>Land Loss</b>	509	206	<b>Land Loss</b>	347	140
<b>Land Unchanged</b>	471	191	<b>Land Unchanged</b>	384	155
<b>Analysis Area</b>	8068	3265	<b>Analysis Area</b>	8068	3265
<b>Sandy Point</b>					
<b>Habitat Classes</b>	<b>2005 from 2004</b>		<b>Habitat Classes</b>	<b>2005 from 1998</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	3013	1220	<b>Water</b>	3358	1359
<b>Land Gain</b>	51	21	<b>Land Gain</b>	328	133
<b>Land Loss</b>	747	302	<b>Land Loss</b>	403	163
<b>Land Unchanged</b>	1560	631	<b>Land Unchanged</b>	1284	520
<b>Analysis Area</b>	5372	2174	<b>Analysis Area</b>	5372	2174

Table 35. The total amount of land in each habitat class from the Chaland Headland, Bay Jo Wise, and Shell Island in the Modern delta for the time periods 1998 and 2002.

<b>Chaland Headland</b>					
<b>Habitat Classes</b>	<b>1998</b>		<b>Habitat Classes</b>	<b>2002</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	4800	1942	<b>Water</b>	4526	1832
<b>Intertidal Flat</b>	394	159	<b>Intertidal Flat</b>	761	308
<b>Marsh</b>	1616	654	<b>Marsh</b>	1498	606
<b>Barrier Vegetation</b>	21	9	<b>Barrier Vegetation</b>	32	13
<b>Bare Land</b>	12	5	<b>Bare Land</b>	21	9
<b>Beach</b>	110	44	<b>Beach</b>	96	39
<b>Rip Rap</b>	0	0	<b>Rip Rap</b>	0	0
<b>Structure</b>	0	0	<b>Structure</b>	1	0
<b>Analysis Extent</b>	6953	2814	<b>Analysis Extent</b>	6935	2807
<b>Bay Jo Wise</b>					
<b>Habitat Classes</b>	<b>1998</b>		<b>Habitat Classes</b>	<b>2002</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	1733	701	<b>Water</b>	1684	682
<b>Intertidal Flat</b>	166	67	<b>Intertidal Flat</b>	236	96
<b>Marsh</b>	378	153	<b>Marsh</b>	338	137
<b>Barrier Vegetation</b>	0	0	<b>Barrier Vegetation</b>	0	0
<b>Bare Land</b>	10	4	<b>Bare Land</b>	18	7
<b>Beach</b>	27	11	<b>Beach</b>	38	15
<b>Rip Rap</b>	0	0	<b>Rip Rap</b>	0	0
<b>Structure</b>	0	0	<b>Structure</b>	0	0
<b>Analysis Extent</b>	2315	937	<b>Analysis Extent</b>	2315	937
<b>Shell Island</b>					
<b>Habitat Classes</b>	<b>1998</b>		<b>Habitat Classes</b>	<b>2002</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	2308	934	<b>Water</b>	2314	937
<b>Intertidal Flat</b>	105	42	<b>Intertidal Flat</b>	121	49
<b>Marsh</b>	95	38	<b>Marsh</b>	68	28
<b>Barrier Vegetation</b>	0	0	<b>Barrier Vegetation</b>	0	0
<b>Bare Land</b>	0	0	<b>Bare Land</b>	0	0
<b>Beach</b>	42	17	<b>Beach</b>	47	19
<b>Rip Rap</b>	0	0	<b>Rip Rap</b>	0	0
<b>Structure</b>	0	0	<b>Structure</b>	0	0
<b>Analysis Extent</b>	2550	1032	<b>Analysis Extent</b>	2550	1032



Table 36. The total amount of land in each habitat class from the Chaland Headland, Bay Jo Wise, and Shell Island in the Modern delta for the time periods 2004 and 2005.

<b>Chaland Headland</b>					
<b>Habitat Classes</b>	<b>2004</b>		<b>Habitat Classes</b>	<b>2005</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	5197	2103	<b>Water</b>	4883	1976
<b>Intertidal Flat</b>	72	29	<b>Intertidal Flat</b>	370	150
<b>Marsh</b>	1561	632	<b>Marsh</b>	1499	606
<b>Barrier Vegetation</b>	10	4	<b>Barrier Vegetation</b>	39	16
<b>Bare Land</b>	1	0	<b>Bare Land</b>	6	2
<b>Beach</b>	84	34	<b>Beach</b>	138	56
<b>Rip Rap</b>	0	0	<b>Rip Rap</b>	0	0
<b>Structure</b>	2	1	<b>Structure</b>	0	0
<b>Analysis Extent</b>	6927	2803	<b>Analysis Extent</b>	6934	2806
<b>Bay Jo Wise</b>					
<b>Habitat Classes</b>	<b>2004</b>		<b>Habitat Classes</b>	<b>2005</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	1922	778	<b>Water</b>	1907	772
<b>Intertidal Flat</b>	35	14	<b>Intertidal Flat</b>	68	28
<b>Marsh</b>	334	135	<b>Marsh</b>	315	128
<b>Barrier Vegetation</b>	7	3	<b>Barrier Vegetation</b>	0	0
<b>Bare Land</b>	0	0	<b>Bare Land</b>	0	0
<b>Beach</b>	16	6	<b>Beach</b>	25	10
<b>Rip Rap</b>	0	0	<b>Rip Rap</b>	0	0
<b>Structure</b>	0	0	<b>Structure</b>	0	0
<b>Analysis Extent</b>	2315	937	<b>Analysis Extent</b>	2315	937
<b>Shell Island</b>					
<b>Habitat Classes</b>	<b>2004</b>		<b>Habitat Classes</b>	<b>2005</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	2301	931	<b>Water</b>	2451	992
<b>Intertidal Flat</b>	126	51	<b>Intertidal Flat</b>	18	7
<b>Marsh</b>	77	31	<b>Marsh</b>	54	22
<b>Barrier Vegetation</b>	0	0	<b>Barrier Vegetation</b>	0	0
<b>Bare Land</b>	0	0	<b>Bare Land</b>	0	0
<b>Beach</b>	47	19	<b>Beach</b>	29	12
<b>Rip Rap</b>	0	0	<b>Rip Rap</b>	0	0
<b>Structure</b>	0	0	<b>Structure</b>	0	0
<b>Analysis Extent</b>	2550	1032	<b>Analysis Extent</b>	2551	1032

Table 37. The total amount of land in each habitat class from Scofield and Sandy Point in the Modern delta for the time periods 1998 and 2002.

<b>Scofield</b>					
<b>Habitat Classes</b>	<b>1998</b>		<b>Habitat Classes</b>	<b>2002</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	7337	2969	<b>Water</b>	7187	2908
<b>Intertidal Flat</b>	209	85	<b>Intertidal Flat</b>	387	156
<b>Marsh</b>	464	188	<b>Marsh</b>	412	167
<b>Barrier Vegetation</b>	2	1	<b>Barrier Vegetation</b>	4	2
<b>Bare Land</b>	5	2	<b>Bare Land</b>	12	5
<b>Beach</b>	46	19	<b>Beach</b>	64	26
<b>Rip Rap</b>	4	2	<b>Rip Rap</b>	4	2
<b>Structure</b>	1	0	<b>Structure</b>	1	0
<b>Analysis Extent</b>	8068	3265	<b>Analysis Extent</b>	8070	3266
<b>Sandy Point</b>					
<b>Habitat Classes</b>	<b>1998</b>		<b>Habitat Classes</b>	<b>2001</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	3686	1492	<b>Water</b>	3512	1421
<b>Intertidal Flat</b>	167	68	<b>Intertidal Flat</b>	271	110
<b>Marsh</b>	1493	604	<b>Marsh</b>	1518	614
<b>Barrier Vegetation</b>	0	0	<b>Barrier Vegetation</b>	0	0
<b>Bare Land</b>	4	2	<b>Bare Land</b>	31	13
<b>Beach</b>	22	9	<b>Beach</b>	43	17
<b>Rip Rap</b>	0	0	<b>Rip Rap</b>	0	0
<b>Structure</b>	0	0	<b>Structure</b>	0	0
<b>Analysis Extent</b>	5373	2174	<b>Analysis Extent</b>	5375	2175

Table 38. The total amount of land in each habitat class from Scofield and Sandy Point in the Modern delta for the time periods 2004 and 2005.

<b>Scofield</b>					
<b>Habitat Classes</b>	<b>2004</b>		<b>Habitat Classes</b>	<b>2005</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	7088	2868	<b>Water</b>	7573	3065
<b>Intertidal Flat</b>	467	189	<b>Intertidal Flat</b>	111	45
<b>Marsh</b>	439	178	<b>Marsh</b>	338	137
<b>Barrier Vegetation</b>	0	0	<b>Barrier Vegetation</b>	0	0
<b>Bare Land</b>	5	2	<b>Bare Land</b>	8	3
<b>Beach</b>	65	26	<b>Beach</b>	36	15
<b>Rip Rap</b>	4	2	<b>Rip Rap</b>	4	2
<b>Structure</b>	1	0	<b>Structure</b>	0	0
<b>Analysis Extent</b>	8068	3265	<b>Analysis Extent</b>	8070	3266
<b>Sandy Point</b>					
<b>Habitat Classes</b>	<b>2004</b>		<b>Habitat Classes</b>	<b>2005</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	3065	1240	<b>Water</b>	3764	1523
<b>Intertidal Flat</b>	715	289	<b>Intertidal Flat</b>	394	160
<b>Marsh</b>	1497	606	<b>Marsh</b>	1201	486
<b>Barrier Vegetation</b>	0	0	<b>Barrier Vegetation</b>	0	0
<b>Bare Land</b>	55	22	<b>Bare Land</b>	0	0
<b>Beach</b>	41	17	<b>Beach</b>	16	6
<b>Rip Rap</b>	0	0	<b>Rip Rap</b>	0	0
<b>Structure</b>	0	0	<b>Structure</b>	0	0
<b>Analysis Extent</b>	5373	2174	<b>Analysis Extent</b>	5375	2175

Table 39. Habitat change statistics for the Chaland Headland in the Modern delta for the time periods 1998 to 2002, 2002 to 2004, 2004 to 2005, and 1998 to 2005.

Habitat Class				Habitat Class			
2002	1998	Acreages	Hectares	2004	2002	Acreages	Hectares
water	water	4322	1749	water	water	4490	1817
unchanged land	unchanged land	1398	566	unchanged land	unchanged land	1388	562
intertidal flat	water	353	143	intertidal flat	water	15	6
marsh	water	100	41	marsh	water	11	5
barrier vegetation	water	1	0	barrier vegetation	water	0	0
bare land	water	1	0	bare land	water	0	0
beach	water	10	4	beach	water	8	3
water	intertidal flat	58	23	water	intertidal flat	533	216
water	marsh	108	44	water	marsh	147	60
water	barrier vegetation	4	2	water	barrier vegetation	1	1
water	bare land	1	0	water	bare land	3	1
water	beach	32	13	water	beach	22	9
water	structure	0	0	water	structure	0	0
intertidal flat	marsh	195	79	intertidal flat	marsh	3	1
intertidal flat	barrier vegetation	8	3	intertidal flat	barrier vegetation	0	0
intertidal flat	bare land	3	1	intertidal flat	bare land	0	0
intertidal flat	beach	41	16	intertidal flat	beach	16	7
marsh	intertidal flat	164	66	marsh	intertidal flat	136	55
marsh	barrier vegetation	2	1	marsh	barrier vegetation	29	12
marsh	bare land	6	3	marsh	bare land	18	7
marsh	beach	14	6	marsh	beach	33	13
barrier vegetation	intertidal flat	1	0	barrier vegetation	intertidal flat	5	2
barrier vegetation	marsh	28	11	barrier vegetation	marsh	2	1
barrier vegetation	bare land	1	0	barrier vegetation	bare land	0	0
barrier vegetation	beach	1	0	barrier vegetation	beach	10	4
bare land	intertidal flat	1	0	bare land	intertidal flat	1	0
bare land	marsh	18	7	bare land	marsh	0	0
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	0	0	bare land	beach	0	0
beach	intertidal flat	6	3	beach	intertidal flat	48	19
beach	marsh	51	21	beach	marsh	12	5
beach	barrier vegetation	7	3	beach	barrier vegetation	0	0
beach	bare land	0	0	beach	bare land	0	0
rip rap	rip rap	0	0	rip rap	rip rap	0	0
structure	structure	0	0	structure	structure	1	0
	analysis extent	6934	2806		analysis extent	6934	2806

Table 39, continued.

Habitat Class				Habitat Class			
2005	2004	Acreages	Hectares	2005	1998	Acreages	Hectares
water	water	4805	1944	water	water	4472	1810
unchanged land	unchanged land	1404	568	unchanged land	unchanged land	1278	517
intertidal flat	water	223	90	intertidal flat	water	160	65
marsh	water	143	58	marsh	water	121	49
barrier vegetation	water	0	0	barrier vegetation	water	3	1
bare land	water	0	0	bare land	water	1	1
beach	water	25	10	beach	water	30	12
water	intertidal flat	36	14	water	intertidal flat	119	48
water	marsh	27	11	water	marsh	211	85
water	barrier vegetation	2	1	water	barrier vegetation	12	5
water	bare land	0	0	water	bare land	2	1
water	beach	13	5	water	beach	66	27
water	structure	1	0	water	structure	16	7
intertidal flat	marsh	81	33	intertidal flat	marsh	109	44
intertidal flat	barrier vegetation	6	3	intertidal flat	barrier vegetation	3	1
intertidal flat	bare land	0	0	intertidal flat	bare land	2	1
intertidal flat	beach	36	15	intertidal flat	beach	13	5
marsh	intertidal flat	3	1	marsh	intertidal flat	177	72
marsh	barrier vegetation	1	0	marsh	barrier vegetation	2	1
marsh	bare land	0	0	marsh	bare land	8	3
marsh	beach	3	1	marsh	beach	14	6
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	2	1
barrier vegetation	marsh	34	14	barrier vegetation	marsh	30	12
barrier vegetation	bare land	0	0	barrier vegetation	bare land	0	0
barrier vegetation	beach	2	1	barrier vegetation	beach	3	1
bare land	intertidal flat	1	1	bare land	intertidal flat	0	0
bare land	marsh	3	1	bare land	marsh	3	1
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	0	0	bare land	beach	0	0
beach	intertidal flat	9	4	beach	intertidal flat	9	4
beach	marsh	66	27	beach	marsh	81	33
beach	barrier vegetation	7	3	beach	barrier vegetation	3	1
beach	bare land	1	0	beach	bare land	1	0
rip rap	rip rap	0	0	rip rap	rip rap	0	0
structure	structure	2	1	structure	structure	0	0
	analysis extent	6935	2806		analysis extent	6950	2813

Table 40. Habitat change statistics for Bay Jo Wise in the Modern delta for the time periods 1998 to 2002, 2002 to 2004, 2004 to 2005, and 1998 to 2005.

Habitat Class				Habitat Class			
2002	1998	Acreages	Hectares	2004	2002	Acreages	Hectares
water	water	1634	661	water	water	1656	670
unchanged land	unchanged land	374	151	unchanged land	unchanged land	306	124
intertidal flat	water	85	34	intertidal flat	water	20	8
marsh	water	11	5	marsh	water	4	2
barrier vegetation	water	0	0	barrier vegetation	water	0	0
bare land	water	1	0	bare land	water	0	0
beach	water	3	1	beach	water	4	2
water	intertidal flat	34	14	water	intertidal flat	207	84
water	marsh	12	5	water	marsh	40	16
water	barrier vegetation	0	0	water	barrier vegetation	0	0
water	bare land	1	0	water	bare land	7	3
water	beach	3	1	water	beach	11	5
water	structure	0	0	water	structure	0	0
intertidal flat	marsh	48	19	intertidal flat	marsh	0	0
intertidal flat	barrier vegetation	0	0	intertidal flat	barrier vegetation	0	0
intertidal flat	bare land	1	0	intertidal flat	bare land	0	0
intertidal flat	beach	17	7	intertidal flat	beach	10	4
marsh	intertidal flat	41	16	marsh	intertidal flat	18	7
marsh	barrier vegetation	0	0	marsh	barrier vegetation	0	0
marsh	bare land	5	2	marsh	bare land	11	4
marsh	beach	1	0	marsh	beach	6	2
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	1	0
barrier vegetation	marsh	0	0	barrier vegetation	marsh	1	0
barrier vegetation	bare land	0	0	barrier vegetation	bare land	0	0
barrier vegetation	beach	0	0	barrier vegetation	beach	5	2
bare land	intertidal flat	3	1	bare land	intertidal flat	0	0
bare land	marsh	12	5	bare land	marsh	0	0
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	0	0	bare land	beach	0	0
beach	intertidal flat	3	1	beach	intertidal flat	5	2
beach	marsh	26	11	beach	marsh	1	1
beach	barrier vegetation	0	0	beach	barrier vegetation	0	0
beach	bare land	0	0	beach	bare land	0	0
rip rap	rip rap	0	0	rip rap	rip rap	0	0
structure	structure	0	0	structure	structure	0	0
	analysis extent	2315	937		analysis extent	2315	937

Table 40, continued.

Habitat Class				Habitat Class			
2005	2004	Acreages	Hectares	2005	1998	Acreages	Hectares
water	water	1854	750	water	water	1682	681
unchanged land	unchanged land	297	120	unchanged land	unchanged land	281	114
intertidal flat	water	30	12	intertidal flat	water	28	11
marsh	water	28	11	marsh	water	10	4
barrier vegetation	water	0	0	barrier vegetation	water	0	0
bare land	water	0	0	bare land	water	0	0
beach	water	10	4	beach	water	13	5
water	intertidal flat	21	9	water	intertidal flat	115	47
water	marsh	17	7	water	marsh	81	33
water	barrier vegetation	4	2	water	barrier vegetation	0	0
water	bare land	0	0	water	bare land	3	1
water	beach	10	4	water	beach	25	10
water	structure	0	0	water	structure	16	6
intertidal flat	marsh	24	10	intertidal flat	marsh	23	9
intertidal flat	barrier vegetation	2	1	intertidal flat	barrier vegetation	0	0
intertidal flat	bare land	0	0	intertidal flat	bare land	1	0
intertidal flat	beach	3	1	intertidal flat	beach	0	0
marsh	intertidal flat	0	0	marsh	intertidal flat	33	13
marsh	barrier vegetation	0	0	marsh	barrier vegetation	0	0
marsh	bare land	0	0	marsh	bare land	6	2
marsh	beach	1	0	marsh	beach	1	0
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	0	0
barrier vegetation	marsh	0	0	barrier vegetation	marsh	0	0
barrier vegetation	bare land	0	0	barrier vegetation	bare land	0	0
barrier vegetation	beach	0	0	barrier vegetation	beach	0	0
bare land	intertidal flat	0	0	bare land	intertidal flat	0	0
bare land	marsh	0	0	bare land	marsh	0	0
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	0	0	bare land	beach	0	0
beach	intertidal flat	4	2	beach	intertidal flat	2	1
beach	marsh	8	3	beach	marsh	9	4
beach	barrier vegetation	1	0	beach	barrier vegetation	0	0
beach	bare land	0	0	beach	bare land	0	0
rip rap	rip rap	0	0	rip rap	rip rap	0	0
structure	structure	0	0	structure	structure	0	0
	analysis extent	2315	937		analysis extent	2331	943

Table 41. Habitat change statistics for Shell Island in the Modern delta for the time periods 1998 to 2002, 2002 to 2004, 2004 to 2005, and 1998 to 2005.

Habitat Class				Habitat Class			
2002	1998	Acreages	Hectares	2004	2002	Acreages	Hectares
water	water	2212	895	water	water	2238	906
unchanged land	unchanged land	91	37	unchanged land	unchanged land	129	52
intertidal flat	water	67	27	intertidal flat	water	56	23
marsh	water	3	1	marsh	water	5	2
barrier vegetation	water	0	0	barrier vegetation	water	0	0
bare land	water	0	0	bare land	water	0	0
beach	water	26	10	beach	water	14	5
water	intertidal flat	58	23	water	intertidal flat	40	16
water	marsh	15	6	water	marsh	2	1
water	barrier vegetation	0	0	water	barrier vegetation	0	0
water	bare land	0	0	water	bare land	0	0
water	beach	29	12	water	beach	18	7
water	structure	0	0	water	structure	0	0
intertidal flat	marsh	14	6	intertidal flat	marsh	7	3
intertidal flat	barrier vegetation	0	0	intertidal flat	barrier vegetation	0	0
intertidal flat	bare land	0	0	intertidal flat	bare land	0	0
intertidal flat	beach	7	3	intertidal flat	beach	6	2
marsh	intertidal flat	10	4	marsh	intertidal flat	10	4
marsh	barrier vegetation	0	0	marsh	barrier vegetation	0	0
marsh	bare land	0	0	marsh	bare land	0	0
marsh	beach	1	0	marsh	beach	6	2
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	0	0
barrier vegetation	marsh	0	0	barrier vegetation	marsh	0	0
barrier vegetation	bare land	0	0	barrier vegetation	bare land	0	0
barrier vegetation	beach	0	0	barrier vegetation	beach	0	0
bare land	intertidal flat	0	0	bare land	intertidal flat	0	0
bare land	marsh	0	0	bare land	marsh	0	0
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	0	0	bare land	beach	0	0
beach	intertidal flat	4	2	beach	intertidal flat	14	5
beach	marsh	12	5	beach	marsh	3	1
beach	barrier vegetation	0	0	beach	barrier vegetation	0	0
beach	bare land	0	0	beach	bare land	0	0
rip rap	rip rap	0	0	rip rap	rip rap	0	0
structure	structure	0	0	structure	structure	0	0
	analysis extent	2549	1031		analysis extent	2549	1031



Table 41, continued.

Habitat Class				Habitat Class			
2005	2004	Acreages	Hectares	2005	1998	Acreages	Hectares
water	water	2287	926	water	water	2287	926
unchanged land	unchanged land	60	24	unchanged land	unchanged land	52	21
intertidal flat	water	6	2	intertidal flat	water	9	4
marsh	water	1	0	marsh	water	2	1
barrier vegetation	water	0	0	barrier vegetation	water	0	0
bare land	water	0	0	bare land	water	0	0
beach	water	6	2	beach	water	9	4
water	intertidal flat	111	45	water	intertidal flat	88	36
water	marsh	20	8	water	marsh	41	17
water	barrier vegetation	0	0	water	barrier vegetation	0	0
water	bare land	0	0	water	bare land	0	0
water	beach	32	13	water	beach	33	13
water	structure	5	2	water	structure	4	2
intertidal flat	marsh	3	1	intertidal flat	marsh	3	1
intertidal flat	barrier vegetation	0	0	intertidal flat	barrier vegetation	0	0
intertidal flat	bare land	0	0	intertidal flat	bare land	0	0
intertidal flat	beach	4	1	intertidal flat	beach	1	0
marsh	intertidal flat	5	2	marsh	intertidal flat	8	3
marsh	barrier vegetation	0	0	marsh	barrier vegetation	0	0
marsh	bare land	0	0	marsh	bare land	0	0
marsh	beach	2	1	marsh	beach	1	1
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	0	0
barrier vegetation	marsh	0	0	barrier vegetation	marsh	0	0
barrier vegetation	bare land	0	0	barrier vegetation	bare land	0	0
barrier vegetation	beach	0	0	barrier vegetation	beach	0	0
bare land	intertidal flat	0	0	bare land	intertidal flat	0	0
bare land	marsh	0	0	bare land	marsh	0	0
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	0	0	bare land	beach	0	0
beach	intertidal flat	5	2	beach	intertidal flat	4	2
beach	marsh	8	3	beach	marsh	10	4
beach	barrier vegetation	0	0	beach	barrier vegetation	0	0
beach	bare land	0	0	beach	bare land	0	0
rip rap	rip rap	0	0	rip rap	rip rap	0	0
structure	structure	0	0	structure	structure	0	0
	analysis extent	2554	1033		analysis extent	2553	1033

Table 42. Habitat change statistics for Scofield in the Modern delta for the time periods 1998 to 2002, 2002 to 2004, 2004 to 2005, and 1998 to 2005.

Habitat Class				Habitat Class			
2002	1998	Acreages	Hectares	2004	2002	Acreages	Hectares
water	water	7087	2868	water	water	6975	2823
unchanged land	unchanged land	367	149	unchanged land	unchanged land	545	221
intertidal flat	water	192	78	intertidal flat	water	149	61
marsh	water	47	19	marsh	water	56	22
barrier vegetation	water	0	0	barrier vegetation	water	0	0
bare land	water	1	0	bare land	water	1	0
beach	water	9	4	beach	water	2	1
water	intertidal flat	42	17	water	intertidal flat	91	37
water	marsh	31	12	water	marsh	16	6
water	barrier vegetation	0	0	water	barrier vegetation	0	0
water	bare land	1	1	water	bare land	0	0
water	beach	21	9	water	beach	3	1
water	structure	0	0	water	structure	0	0
intertidal flat	marsh	93	37	intertidal flat	marsh	82	33
intertidal flat	barrier vegetation	1	1	intertidal flat	barrier vegetation	1	1
intertidal flat	bare land	1	1	intertidal flat	bare land	2	1
intertidal flat	beach	18	7	intertidal flat	beach	15	6
marsh	intertidal flat	79	32	marsh	intertidal flat	47	19
marsh	barrier vegetation	0	0	marsh	barrier vegetation	2	1
marsh	bare land	1	1	marsh	bare land	8	3
marsh	beach	3	1	marsh	beach	21	9
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	0	0
barrier vegetation	marsh	4	2	barrier vegetation	marsh	0	0
barrier vegetation	bare land	0	0	barrier vegetation	bare land	0	0
barrier vegetation	beach	0	0	barrier vegetation	beach	0	0
bare land	intertidal flat	1	1	bare land	intertidal flat	1	0
bare land	marsh	10	4	bare land	marsh	2	1
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	0	0	bare land	beach	0	0
beach	intertidal flat	5	2	beach	intertidal flat	31	12
beach	marsh	45	18	beach	marsh	8	3
beach	barrier vegetation	0	0	beach	barrier vegetation	1	0
beach	bare land	0	0	beach	bare land	0	0
rip rap	rip rap	4	2	rip rap	rip rap	4	2
structure	structure	1	0	structure	structure	1	0
	analysis extent	8066	3264		analysis extent	8066	3264

Table 42, continued.

Habitat Class				Habitat Class			
2005	2004	Acreages	Hectares	2005	1998	Acreages	Hectares
water	water	7059	2857	water	water	7222	2922
unchanged land	unchanged land	330	134	unchanged land	unchanged land	248	100
intertidal flat	water	15	6	intertidal flat	water	41	17
marsh	water	11	5	marsh	water	64	26
barrier vegetation	water	0	0	barrier vegetation	water	0	0
bare land	water	1	0	bare land	water	2	1
beach	water	1	0	beach	water	6	3
water	intertidal flat	370	150	water	intertidal flat	128	52
water	marsh	92	37	water	marsh	174	70
water	barrier vegetation	0	0	water	barrier vegetation	2	1
water	bare land	2	1	water	bare land	3	1
water	beach	46	19	water	beach	41	17
water	structure	0	0	water	structure	0	0
intertidal flat	marsh	40	16	intertidal flat	marsh	41	17
intertidal flat	barrier vegetation	0	0	intertidal flat	barrier vegetation	0	0
intertidal flat	bare land	1	0	intertidal flat	bare land	1	0
intertidal flat	beach	9	4	intertidal flat	beach	2	1
marsh	intertidal flat	42	17	marsh	intertidal flat	51	20
marsh	barrier vegetation	0	0	marsh	barrier vegetation	0	0
marsh	bare land	2	1	marsh	bare land	1	0
marsh	beach	4	2	marsh	beach	2	1
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	0	0
barrier vegetation	marsh	0	0	barrier vegetation	marsh	0	0
barrier vegetation	bare land	0	0	barrier vegetation	bare land	0	0
barrier vegetation	beach	0	0	barrier vegetation	beach	0	0
bare land	intertidal flat	3	1	bare land	intertidal flat	1	1
bare land	marsh	4	2	bare land	marsh	4	2
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	0	0	bare land	beach	0	0
beach	intertidal flat	6	2	beach	intertidal flat	3	1
beach	marsh	24	10	beach	marsh	25	10
beach	barrier vegetation	0	0	beach	barrier vegetation	0	0
beach	bare land	0	0	beach	bare land	0	0
rip rap	rip rap	4	2	rip rap	rip rap	4	2
structure	structure	1	0	structure	structure	0	0
	analysis extent	8066	3264		analysis extent	8066	3264

Table 43. Habitat change statistics for Sandy Point in the Modern delta for the time periods 1998 to 2001, 2001 to 2004, 2004 to 2005, and 1998 to 2001.

Habitat Class				Habitat Class			
2001	1998	Acreages	Hectares	2004	2001	Acreages	Hectares
water	water	3172	1284	water	water	2943	1191
unchanged land	unchanged land	1162	470	unchanged land	unchanged land	1323	535
intertidal flat	water	200	81	intertidal flat	water	349	141
marsh	water	302	122	marsh	water	196	79
barrier vegetation	water	0	0	barrier vegetation	water	0	0
bare land	water	6	2	bare land	water	18	7
beach	water	5	2	beach	water	4	2
water	intertidal flat	128	52	water	intertidal flat	24	10
water	marsh	203	82	water	marsh	77	31
water	barrier vegetation	0	0	water	barrier vegetation	0	0
water	bare land	1	0	water	bare land	1	1
water	beach	6	2	water	beach	19	8
water	structure	0	0	water	structure	0	0
intertidal flat	marsh	71	29	intertidal flat	marsh	221	89
intertidal flat	barrier vegetation	0	0	intertidal flat	barrier vegetation	0	0
intertidal flat	bare land	0	0	intertidal flat	bare land	4	1
intertidal flat	beach	0	0	intertidal flat	beach	7	3
marsh	intertidal flat	39	16	marsh	intertidal flat	84	34
marsh	barrier vegetation	0	0	marsh	barrier vegetation	0	0
marsh	bare land	4	1	marsh	bare land	24	10
marsh	beach	13	5	marsh	beach	11	4
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	0	0
barrier vegetation	marsh	0	0	barrier vegetation	marsh	0	0
barrier vegetation	bare land	0	0	barrier vegetation	bare land	0	0
barrier vegetation	beach	0	0	barrier vegetation	beach	0	0
bare land	intertidal flat	0	0	bare land	intertidal flat	22	9
bare land	marsh	25	10	bare land	marsh	14	6
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	0	0	bare land	beach	0	0
beach	intertidal flat	1	0	beach	intertidal flat	7	3
beach	marsh	35	14	beach	marsh	24	10
beach	barrier vegetation	0	0	beach	barrier vegetation	0	0
beach	bare land	0	0	beach	bare land	1	0
rip rap	rip rap	0	0	rip rap	rip rap	0	0
structure	structure	1	0	structure	structure	0	0
	analysis extent	5372	2174		analysis extent	5372	2174

Table 43, continued.

Habitat Class				Habitat Class			
2005	2004	Acreages	Hectares	2005	1998	Acreages	Hectares
water	water	3013	1220	water	water	3358	1359
unchanged land	unchanged land	1198	485	unchanged land	unchanged land	1073	434
intertidal flat	water	26	11	intertidal flat	water	203	82
marsh	water	25	10	marsh	water	123	50
barrier vegetation	water	0	0	barrier vegetation	water	0	0
bare land	water	0	0	bare land	water	0	0
beach	water	0	0	beach	water	2	1
water	intertidal flat	426	172	water	intertidal flat	125	50
water	marsh	281	114	water	marsh	264	107
water	barrier vegetation	0	0	water	barrier vegetation	0	0
water	bare land	24	10	water	bare land	1	0
water	beach	16	7	water	beach	13	5
water	structure	0	0	water	structure	0	0
intertidal flat	marsh	175	71	intertidal flat	marsh	165	67
intertidal flat	barrier vegetation	0	0	intertidal flat	barrier vegetation	0	0
intertidal flat	bare land	17	7	intertidal flat	bare land	1	0
intertidal flat	beach	11	4	intertidal flat	beach	3	1
marsh	intertidal flat	121	49	marsh	intertidal flat	20	8
marsh	barrier vegetation	0	0	marsh	barrier vegetation	0	0
marsh	bare land	14	6	marsh	bare land	2	1
marsh	beach	11	4	marsh	beach	5	2
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	0	0
barrier vegetation	marsh	0	0	barrier vegetation	marsh	0	0
barrier vegetation	bare land	0	0	barrier vegetation	bare land	0	0
barrier vegetation	beach	0	0	barrier vegetation	beach	0	0
bare land	intertidal flat	0	0	bare land	intertidal flat	0	0
bare land	marsh	0	0	bare land	marsh	0	0
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	0	0	bare land	beach	0	0
beach	intertidal flat	2	1	beach	intertidal flat	0	0
beach	marsh	11	5	beach	marsh	13	5
beach	barrier vegetation	0	0	beach	barrier vegetation	0	0
beach	bare land	0	0	beach	bare land	0	0
rip rap	rip rap	0	0	rip rap	rip rap	0	0
structure	structure	0	0	structure	structure	0	0
	analysis extent	5372	2174		analysis extent	5372	2174

**Chandeleur Islands (Breton Island to Hewes Point)**

Table 44. The amount of land gained, lost, and unchanged between the time periods 1998 to 2002 and 2002 to 2004 in the Chandeleur Islands, which includes the Breton Island, Curlew and Grand Gosier Islands, and the North Islands.

<b>Breton Island</b>					
<b>Habitat Classes</b>	<b>2002 from 1998</b>		<b>Habitat Classes</b>	<b>2004 from 2002</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	2133	863	<b>Water</b>	2089	845
<b>Land Gain</b>	118	48	<b>Land Gain</b>	11	5
<b>Land Loss</b>	33	14	<b>Land Loss</b>	163	66
<b>Land Unchanged</b>	70	28	<b>Land Unchanged</b>	92	37
<b>Analysis Area</b>	2354	953	<b>Analysis Area</b>	2354	953

<b>Curlew and Grand Gosier Islands</b>					
<b>Habitat Classes</b>	<b>2002 from 1998</b>		<b>Habitat Classes</b>	<b>2004 from 2002</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	10275	4158	<b>Water</b>	10584	4283
<b>Land Gain</b>	511	207	<b>Land Gain</b>	73	29
<b>Land Loss</b>	253	103	<b>Land Loss</b>	203	82
<b>Land Unchanged</b>	46	19	<b>Land Unchanged</b>	227	92
<b>Analysis Area</b>	11085	4486	<b>Analysis Area</b>	11085	4486

<b>North Chandeleur Island</b>					
<b>Habitat Classes</b>	<b>2002 from 1998</b>		<b>Habitat Classes</b>	<b>2004 from 2002</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	44509	18012	<b>Water</b>	45652	18475
<b>Land Gain</b>	1770	716	<b>Land Gain</b>	1864	754
<b>Land Loss</b>	1731	701	<b>Land Loss</b>	627	254
<b>Land Unchanged</b>	2738	1108	<b>Land Unchanged</b>	2605	1054
<b>Analysis Area</b>	50748	20537	<b>Analysis Area</b>	50748	20537

Table 45. The amount of land gained, lost, and unchanged between the time periods 2004 to 2005 and 1998 to 2005 in the Chandeleur Islands, which includes the Breton Island, Curlew and Grand Gosier Islands, and the North Islands.

<b>Breton Island</b>					
<b>Habitat Classes</b>	<b>2005 from 2004</b>		<b>Habitat Classes</b>	<b>2005 from 1998</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	ND	ND	<b>Water</b>	ND	ND
<b>Land Gain</b>	ND	ND	<b>Land Gain</b>	ND	ND
<b>Land Loss</b>	ND	ND	<b>Land Loss</b>	ND	ND
<b>Land Unchanged</b>	ND	ND	<b>Land Unchanged</b>	ND	ND
<b>Analysis Area</b>	ND	ND	<b>Analysis Area</b>	ND	ND

<b>Curlew and Grand Gosier Islands</b>					
<b>Habitat Classes</b>	<b>2005 from 2004</b>		<b>Habitat Classes</b>	<b>2005 from 1998</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	ND	ND	<b>Water</b>	ND	ND
<b>Land Gain</b>	ND	ND	<b>Land Gain</b>	ND	ND
<b>Land Loss</b>	ND	ND	<b>Land Loss</b>	ND	ND
<b>Land Unchanged</b>	ND	ND	<b>Land Unchanged</b>	ND	ND
<b>Analysis Area</b>	ND	ND	<b>Analysis Area</b>	ND	ND

<b>North Chandeleur Island</b>					
<b>Habitat Classes</b>	<b>2005 from 2004</b>		<b>Habitat Classes</b>	<b>2005 from 1998</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	47360	19166	<b>Water</b>	46050	18636
<b>Land Gain</b>	2493	1009	<b>Land Gain</b>	3803	1539
<b>Land Loss</b>	156	63	<b>Land Loss</b>	191	77
<b>Land Unchanged</b>	739	299	<b>Land Unchanged</b>	704	285
<b>Analysis Area</b>	50748	20537	<b>Analysis Area</b>	50748	20537



Table 46. The total amount of land in each habitat class from Breton Island, Curlew and Grand Gosier Islands, and the North Islands in the Chandeleur Islands for the time periods 1998 and 2002.

<b>Breton Island</b>					
<b>Habitat Classes</b>	<b>1998</b>		<b>Habitat Classes</b>	<b>2002</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	2169	878	<b>Water</b>	2254	912
<b>Intertidal Flat</b>	43	17	<b>Intertidal Flat</b>	41	17
<b>Marsh</b>	86	35	<b>Marsh</b>	50	20
<b>Barrier Vegetation</b>	8	3	<b>Barrier Vegetation</b>	0	0
<b>Bare Land</b>	0	0	<b>Bare Land</b>	0	0
<b>Beach</b>	49	20	<b>Beach</b>	11	4
<b>Rip Rap</b>	0	0	<b>Rip Rap</b>	0	0
<b>Structure</b>	1	0	<b>Structure</b>	1	0
<b>Analysis Extent</b>	2357	954	<b>Analysis Extent</b>	2357	954
<b>Curlew and Grand Gosier Islands</b>					
<b>Habitat Classes</b>	<b>1998</b>		<b>Habitat Classes</b>	<b>2002</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	10532	4262	<b>Water</b>	10790	4366
<b>Intertidal Flat</b>	224	91	<b>Intertidal Flat</b>	264	107
<b>Marsh</b>	185	75	<b>Marsh</b>	3	1
<b>Barrier Vegetation</b>	0	0	<b>Barrier Vegetation</b>	0	0
<b>Bare Land</b>	0	0	<b>Bare Land</b>	0	0
<b>Beach</b>	149	60	<b>Beach</b>	33	13
<b>Rip Rap</b>	0	0	<b>Rip Rap</b>	0	0
<b>Structure</b>	0	0	<b>Structure</b>	0	0
<b>Analysis Extent</b>	11089	4488	<b>Analysis Extent</b>	11089	4488
<b>North Chandeleur Island</b>					
<b>Habitat Classes</b>	<b>1998</b>		<b>Habitat Classes</b>	<b>2002</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	46241	18713	<b>Water</b>	46279	18729
<b>Intertidal Flat</b>	614	249	<b>Intertidal Flat</b>	1056	427
<b>Marsh</b>	2503	1013	<b>Marsh</b>	1761	713
<b>Barrier Vegetation</b>	0	0	<b>Barrier Vegetation</b>	502	203
<b>Bare Land</b>	0	0	<b>Bare Land</b>	0	0
<b>Beach</b>	1390	563	<b>Beach</b>	1150	465
<b>Rip Rap</b>	0	0	<b>Rip Rap</b>	0	0
<b>Structure</b>	0	0	<b>Structure</b>	0	0
<b>Analysis Extent</b>	50748	20537	<b>Analysis Extent</b>	50748	20537

Table 47. The total amount of land in each habitat class from Breton Island, Curlew and Grand Gosier Islands, and the North Islands in the Chandeleur Islands for the time periods 2004 and 2005.

<b>Breton Island</b>					
<b>Habitat Classes</b>	<b>2004</b>		<b>Habitat Classes</b>	<b>2005</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	2102	851	<b>Water</b>	2357	954
<b>Intertidal Flat</b>	169	68	<b>Intertidal Flat</b>	0	0
<b>Marsh</b>	52	21	<b>Marsh</b>	0	0
<b>Barrier Vegetation</b>	0	0	<b>Barrier Vegetation</b>	0	0
<b>Bare Land</b>	0	0	<b>Bare Land</b>	0	0
<b>Beach</b>	32	13	<b>Beach</b>	0	0
<b>Rip Rap</b>	0	0	<b>Rip Rap</b>	0	0
<b>Structure</b>	1	0	<b>Structure</b>	0	0
<b>Analysis Extent</b>	2357	954	<b>Analysis Extent</b>	2357	954
<b>Curlew and Grand Gosier Islands</b>					
<b>Habitat Classes</b>	<b>2004</b>		<b>Habitat Classes</b>	<b>2005</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	10660	4314	<b>Water</b>	11089	4488
<b>Intertidal Flat</b>	349	141	<b>Intertidal Flat</b>	0	0
<b>Marsh</b>	4	2	<b>Marsh</b>	0	0
<b>Barrier Vegetation</b>	0	0	<b>Barrier Vegetation</b>	0	0
<b>Bare Land</b>	0	0	<b>Bare Land</b>	0	0
<b>Beach</b>	77	31	<b>Beach</b>	0	0
<b>Rip Rap</b>	0	0	<b>Rip Rap</b>	0	0
<b>Structure</b>	0	0	<b>Structure</b>	0	0
<b>Analysis Extent</b>	11089	4488	<b>Analysis Extent</b>	11089	4488
<b>North Chandeleur Island</b>					
<b>Habitat Classes</b>	<b>2004</b>		<b>Habitat Classes</b>	<b>2005</b>	
	<b>Acres</b>	<b>Hectares</b>		<b>Acres</b>	<b>Hectares</b>
<b>Water</b>	47516	19229	<b>Water</b>	49853	20175
<b>Intertidal Flat</b>	581	235	<b>Intertidal Flat</b>	137	56
<b>Marsh</b>	1432	580	<b>Marsh</b>	758	307
<b>Barrier Vegetation</b>	59	24	<b>Barrier Vegetation</b>	0	0
<b>Bare Land</b>	0	0	<b>Bare Land</b>	0	0
<b>Beach</b>	1160	469	<b>Beach</b>	0	0
<b>Rip Rap</b>	0	0	<b>Rip Rap</b>	0	0
<b>Structure</b>	0	0	<b>Structure</b>	0	0
<b>Analysis Extent</b>	50748	20537	<b>Analysis Extent</b>	50748	20537

Table 48. Habitat change statistics for Breton Island in the Chandeaur Islands for the time periods 1998 to 2002, 2002 to 2004, 2004 to 2005, and 1998 to 2005.

Habitat Class				Habitat Class			
2002	1998	Acreages	Hectares	2004	2002	Acreages	Hectares
water	water	2133	863	water	water	2089	845
unchanged land	unchanged land	42	17	unchanged land	unchanged land	65	26
intertidal flat	water	21	9	intertidal flat	water	144	58
marsh	water	10	4	marsh	water	4	2
barrier vegetation	water	0	0	barrier vegetation	water	0	0
bare land	water	0	0	bare land	water	0	0
beach	water	2	1	beach	water	14	6
water	intertidal flat	39	16	water	intertidal flat	6	2
water	marsh	33	13	water	marsh	5	2
water	barrier vegetation	4	2	water	barrier vegetation	0	0
water	bare land	0	0	water	bare land	0	0
water	beach	43	17	water	beach	1	0
water	structure	0	0	water	structure	0	0
intertidal flat	marsh	10	4	intertidal flat	marsh	3	1
intertidal flat	barrier vegetation	2	1	intertidal flat	barrier vegetation	0	0
intertidal flat	bare land	0	0	intertidal flat	bare land	0	0
intertidal flat	beach	5	2	intertidal flat	beach	2	1
marsh	intertidal flat	0	0	marsh	intertidal flat	3	1
marsh	barrier vegetation	1	1	marsh	barrier vegetation	0	0
marsh	bare land	0	0	marsh	bare land	0	0
marsh	beach	0	0	marsh	beach	4	2
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	0	0
barrier vegetation	marsh	0	0	barrier vegetation	marsh	0	0
barrier vegetation	bare land	0	0	barrier vegetation	bare land	0	0
barrier vegetation	beach	0	0	barrier vegetation	beach	0	0
bare land	intertidal flat	0	0	bare land	intertidal flat	0	0
bare land	marsh	0	0	bare land	marsh	0	0
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	0	0	bare land	beach	0	0
beach	intertidal flat	0	0	beach	intertidal flat	12	5
beach	marsh	6	2	beach	marsh	2	1
beach	barrier vegetation	1	1	beach	barrier vegetation	0	0
beach	bare land	0	0	beach	bare land	0	0
rip rap	rip rap	0	0	rip rap	rip rap	0	0
structure	structure	1	0	structure	structure	1	0
	analysis extent	2354	953		analysis extent	2354	953

Table 48, continued.

Habitat Class				Habitat Class			
2005	2004	Acreages	Hectares	2005	1998	Acreages	Hectares
water	water	2101	850	water	water	2168	877
unchanged land	unchanged land	0	0	unchanged land	unchanged land	0	0
intertidal flat	water	0	0	intertidal flat	water	0	0
marsh	water	0	0	marsh	water	0	0
barrier vegetation	water	0	0	barrier vegetation	water	0	0
bare land	water	0	0	bare land	water	0	0
beach	water	0	0	beach	water	0	0
water	intertidal flat	169	68	water	intertidal flat	43	17
water	marsh	52	21	water	marsh	86	35
water	barrier vegetation	0	0	water	barrier vegetation	8	3
water	bare land	0	0	water	bare land	0	0
water	beach	32	13	water	beach	49	20
water	structure	0	0	water	structure	0	0
intertidal flat	marsh	0	0	intertidal flat	marsh	0	0
intertidal flat	barrier vegetation	0	0	intertidal flat	barrier vegetation	0	0
intertidal flat	bare land	0	0	intertidal flat	bare land	0	0
intertidal flat	beach	0	0	intertidal flat	beach	0	0
marsh	intertidal flat	0	0	marsh	intertidal flat	0	0
marsh	barrier vegetation	0	0	marsh	barrier vegetation	0	0
marsh	bare land	0	0	marsh	bare land	0	0
marsh	beach	0	0	marsh	beach	0	0
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	0	0
barrier vegetation	marsh	0	0	barrier vegetation	marsh	0	0
barrier vegetation	bare land	0	0	barrier vegetation	bare land	0	0
barrier vegetation	beach	0	0	barrier vegetation	beach	0	0
bare land	intertidal flat	0	0	bare land	intertidal flat	0	0
bare land	marsh	0	0	bare land	marsh	0	0
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	0	0	bare land	beach	0	0
beach	intertidal flat	0	0	beach	intertidal flat	0	0
beach	marsh	0	0	beach	marsh	0	0
beach	barrier vegetation	0	0	beach	barrier vegetation	0	0
beach	bare land	0	0	beach	bare land	0	0
rip rap	rip rap	0	0	rip rap	rip rap	0	0
structure	structure	0	0	structure	structure	0	0
	analysis extent	2354	953		analysis extent	2354	953

Table 49. Habitat change statistics for Curlew and Grand Gosier Islands in the Chandeleur Islands for the time periods 1998 to 2002, 2002 to 2004, 2004 to 2005, and 1998 to 2005.

Habitat Class				Habitat Class			
2002	1998	Acreages	Hectares	2004	2002	Acreages	Hectares
water	water	10278	4159	water	water	10587	4284
unchanged land	unchanged land	15	6	unchanged land	unchanged land	169	68
intertidal flat	water	233	94	intertidal flat	water	174	70
marsh	water	0	0	marsh	water	0	0
barrier vegetation	water	0	0	barrier vegetation	water	0	0
bare land	water	0	0	bare land	water	0	0
beach	water	20	8	beach	water	29	12
water	intertidal flat	202	82	water	intertidal flat	66	27
water	marsh	167	68	water	marsh	0	0
water	barrier vegetation	0	0	water	barrier vegetation	0	0
water	bare land	0	0	water	bare land	0	0
water	beach	142	58	water	beach	6	2
water	structure	14	6	water	structure	0	0
intertidal flat	marsh	11	4	intertidal flat	marsh	0	0
intertidal flat	barrier vegetation	0	0	intertidal flat	barrier vegetation	0	0
intertidal flat	bare land	0	0	intertidal flat	bare land	0	0
intertidal flat	beach	6	2	intertidal flat	beach	17	7
marsh	intertidal flat	2	1	marsh	intertidal flat	0	0
marsh	barrier vegetation	0	0	marsh	barrier vegetation	0	0
marsh	bare land	0	0	marsh	bare land	0	0
marsh	beach	0	0	marsh	beach	1	0
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	0	0
barrier vegetation	marsh	0	0	barrier vegetation	marsh	0	0
barrier vegetation	bare land	0	0	barrier vegetation	bare land	0	0
barrier vegetation	beach	0	0	barrier vegetation	beach	0	0
bare land	intertidal flat	0	0	bare land	intertidal flat	0	0
bare land	marsh	0	0	bare land	marsh	0	0
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	0	0	bare land	beach	0	0
beach	intertidal flat	5	2	beach	intertidal flat	39	16
beach	marsh	7	3	beach	marsh	0	0
beach	barrier vegetation	0	0	beach	barrier vegetation	0	0
beach	bare land	0	0	beach	bare land	0	0
rip rap	rip rap	0	0	rip rap	rip rap	0	0
structure	structure	0	0	structure	structure	0	0
	analysis extent	11103	4493		analysis extent	11089	4488

Table 49, continued.

Habitat Class				Habitat Class			
2005	2004	Acreages	Hectares	2005	1998	Acreages	Hectares
water	water	10660	4314	water	water	10532	4262
unchanged land	unchanged land	0	0	unchanged land	unchanged land	0	0
intertidal flat	water	0	0	intertidal flat	water	0	0
marsh	water	0	0	marsh	water	0	0
barrier vegetation	water	0	0	barrier vegetation	water	0	0
bare land	water	0	0	bare land	water	0	0
beach	water	0	0	beach	water	0	0
water	intertidal flat	349	141	water	intertidal flat	224	91
water	marsh	4	2	water	marsh	185	75
water	barrier vegetation	0	0	water	barrier vegetation	0	0
water	bare land	0	0	water	bare land	0	0
water	beach	77	31	water	beach	149	60
water	structure	0	0	water	structure	0	0
intertidal flat	marsh	0	0	intertidal flat	marsh	0	0
intertidal flat	barrier vegetation	0	0	intertidal flat	barrier vegetation	0	0
intertidal flat	bare land	0	0	intertidal flat	bare land	0	0
intertidal flat	beach	0	0	intertidal flat	beach	0	0
marsh	intertidal flat	0	0	marsh	intertidal flat	0	0
marsh	barrier vegetation	0	0	marsh	barrier vegetation	0	0
marsh	bare land	0	0	marsh	bare land	0	0
marsh	beach	0	0	marsh	beach	0	0
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	0	0
barrier vegetation	marsh	0	0	barrier vegetation	marsh	0	0
barrier vegetation	bare land	0	0	barrier vegetation	bare land	0	0
barrier vegetation	beach	0	0	barrier vegetation	beach	0	0
bare land	intertidal flat	0	0	bare land	intertidal flat	0	0
bare land	marsh	0	0	bare land	marsh	0	0
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	0	0	bare land	beach	0	0
beach	intertidal flat	0	0	beach	intertidal flat	0	0
beach	marsh	0	0	beach	marsh	0	0
beach	barrier vegetation	0	0	beach	barrier vegetation	0	0
beach	bare land	0	0	beach	bare land	0	0
rip rap	rip rap	0	0	rip rap	rip rap	0	0
structure	structure	0	0	structure	structure	0	0
	analysis extent	11089	4488		analysis extent	11089	4488

Table 50. Habitat change statistics for the North Islands in the Chandeleur Islands for the time periods 1998 to 2002, 2002 to 2004, 2004 to 2005, and 1998 to 2005.

Habitat Class				Habitat Class			
2002	1998	Acreages	Hectares	2004	2002	Acreages	Hectares
water	water	44516	18015	water	water	45653	18475
unchanged land	unchanged land	1239	501	unchanged land	unchanged land	1240	502
intertidal flat	water	659	267	intertidal flat	water	319	129
marsh	water	798	323	marsh	water	60	24
barrier vegetation	water	40	16	barrier vegetation	water	1	0
bare land	water	0	0	bare land	water	0	0
beach	water	229	93	beach	water	248	100
water	intertidal flat	468	189	water	intertidal flat	606	245
water	marsh	431	174	water	marsh	941	381
water	barrier vegetation	0	0	water	barrier vegetation	22	9
water	bare land	0	0	water	bare land	0	0
water	beach	865	350	water	beach	295	119
water	structure	47	19	water	structure	0	0
intertidal flat	marsh	206	83	intertidal flat	marsh	31	13
intertidal flat	barrier vegetation	0	0	intertidal flat	barrier vegetation	6	2
intertidal flat	bare land	0	0	intertidal flat	bare land	0	0
intertidal flat	beach	144	58	intertidal flat	beach	113	46
marsh	intertidal flat	38	15	marsh	intertidal flat	106	43
marsh	barrier vegetation	0	0	marsh	barrier vegetation	379	153
marsh	bare land	0	0	marsh	bare land	0	0
marsh	beach	51	21	marsh	beach	248	101
barrier vegetation	intertidal flat	4	1	barrier vegetation	intertidal flat	4	2
barrier vegetation	marsh	445	180	barrier vegetation	marsh	7	3
barrier vegetation	bare land	0	0	barrier vegetation	bare land	0	0
barrier vegetation	beach	13	5	barrier vegetation	beach	25	10
bare land	intertidal flat	0	0	bare land	intertidal flat	0	0
bare land	marsh	0	0	bare land	marsh	0	0
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	0	0	bare land	beach	0	0
beach	intertidal flat	58	24	beach	intertidal flat	227	92
beach	marsh	546	221	beach	marsh	143	58
beach	barrier vegetation	0	0	beach	barrier vegetation	74	30
beach	bare land	0	0	beach	bare land	0	0
rip rap	rip rap	0	0	rip rap	rip rap	0	0
structure	structure	0	0	structure	structure	0	0
	analysis extent	50795	20556		analysis extent	50748	20537

Table 50, continued.

Habitat Class				Habitat Class			
2005	2004	Acreages	Hectares	2005	1998	Acreages	Hectares
water	water	47360	19166	water	water	46050	18636
unchanged land	unchanged land	647	262	unchanged land	unchanged land	610	247
intertidal flat	water	58	23	intertidal flat	water	62	25
marsh	water	98	40	marsh	water	129	52
barrier vegetation	water	0	0	barrier vegetation	water	0	0
bare land	water	0	0	bare land	water	0	0
beach	water	0	0	beach	water	0	0
water	intertidal flat	578	234	water	intertidal flat	601	243
water	marsh	734	297	water	marsh	1823	738
water	barrier vegetation	56	23	water	barrier vegetation	0	0
water	bare land	0	0	water	bare land	0	0
water	beach	1125	455	water	beach	1379	558
water	structure	0	0	water	structure	2	1
intertidal flat	marsh	52	21	intertidal flat	marsh	3	1
intertidal flat	barrier vegetation	2	1	intertidal flat	barrier vegetation	0	0
intertidal flat	bare land	0	0	intertidal flat	bare land	0	0
intertidal flat	beach	25	10	intertidal flat	beach	2	1
marsh	intertidal flat	2	1	marsh	intertidal flat	11	4
marsh	barrier vegetation	1	1	marsh	barrier vegetation	0	0
marsh	bare land	0	0	marsh	bare land	0	0
marsh	beach	10	4	marsh	beach	10	4
barrier vegetation	intertidal flat	0	0	barrier vegetation	intertidal flat	0	0
barrier vegetation	marsh	0	0	barrier vegetation	marsh	0	0
barrier vegetation	bare land	0	0	barrier vegetation	bare land	0	0
barrier vegetation	beach	0	0	barrier vegetation	beach	0	0
bare land	intertidal flat	0	0	bare land	intertidal flat	0	0
bare land	marsh	0	0	bare land	marsh	0	0
bare land	barrier vegetation	0	0	bare land	barrier vegetation	0	0
bare land	beach	0	0	bare land	beach	0	0
beach	intertidal flat	0	0	beach	intertidal flat	0	0
beach	marsh	0	0	beach	marsh	0	0
beach	barrier vegetation	0	0	beach	barrier vegetation	0	0
beach	bare land	0	0	beach	bare land	0	0
rip rap	rip rap	0	0	rip rap	rip rap	0	0
structure	structure	0	0	structure	structure	0	0
	analysis extent	50748	20537		analysis extent	50681	20510