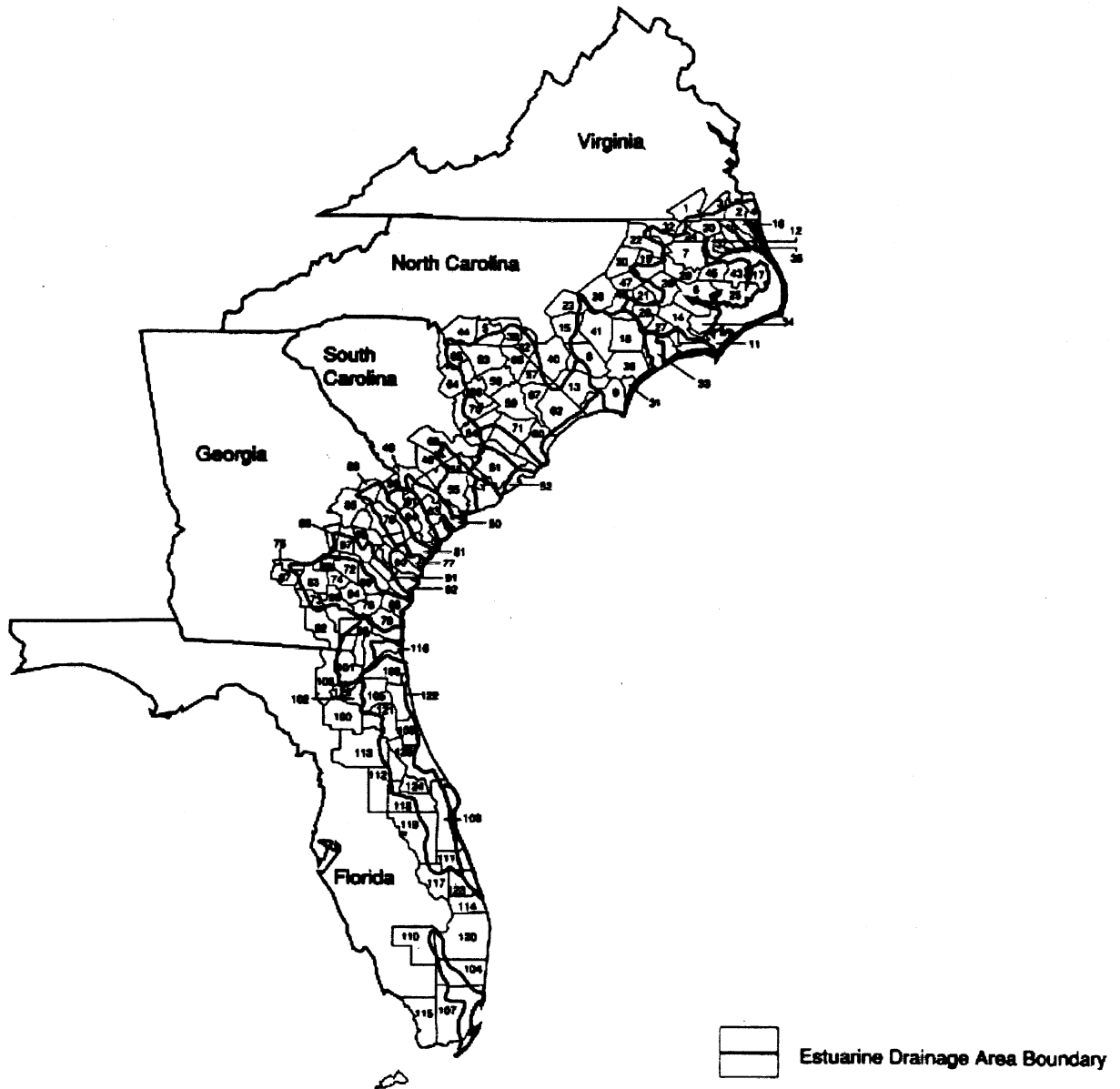


9.0 APPENDICES

Appendix A. Coastal wetland acreage in south Atlantic states (NOAA 1991a)



Appendix A. Wetland Distribution by State by County (Source: NOAA 1991a).

Coastal wetlands by county (Acres X 100)

State/County	Salt Marsh			Fresh Marsh				Forested and Scrub-Shrub			Tidal Flats		Total	
	Brackish	Unsp.	Subtotal	Non-Tidal	Total	Unsp.	Subtotal	Est.	Non-Unsp.	Total	Subtotal			
VIRGINIA														
1 Southampton (100)	0	0	0 (0)	0	0	0	0 (0)	0	0	182	0	182 (100)	0 (0)	182
2 Chesapeake (100)	0	16	16 (2)	2	0	0	2 (0)	0	0	712	83	805 (98)	1 (0)	804
3 Suffolk (100)	0	30	30 (8)	0	0	0	1 (0)	0	0	449	1	450 (91)	4 (1)	455
4 Virginia Beach (90)	0	88	88 (33)	12	0	0	12 (4)	0	0	80	112	173 (58)	15 (5)	288
Subtotal	0	134	134 (29)	14	0	0	15 (1)	0	0	1,384	206	1,591 (90)	20 (1)	1,779
NORTH CAROLINA														
5 Anson	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6 Beaufort (88)	0	80	80 (8)	27	0	0	27 (3)	14	0	940	0	954 (80)	0 (0)	1,082
7 Bertie (21)	0	0	0 (0)	1	0	0	1 (0)	0	0	351	0	351 (100)	0 (0)	352
8 Bladen	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
9 Brunswick (30)	0	108	108 (16)	53	14	2	68 (10)	2	135	340	7	483 (72)	16 (2)	574
10 Camden (16)	0	16	16 (12)	0	0	0	0 (0)	2	0	116	0	118 (88)	0 (0)	134
11 Carteret (88)	169	384	553 (31)	15	2	0	17 (1)	77	0	832	2	1,016 (86)	234 (13)	1,283
12 Chowan (4)	0	0	0 (0)	0	0	0	0 (0)	0	0	0	0	0 (0)	0 (0)	0
13 Columbus (4)	0	0	0 (0)	1	0	0	1 (0)	0	0	43	0	43 (87)	0 (0)	44
14 Craven (50)	1	16	17 (2)	16	0	0	16 (2)	2	0	773	0	775 (98)	4 (0)	811
15 Cumberland	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
16 Currituck (57)	0	198	198 (37)	4	0	0	4 (1)	4	0	235	20	255 (61)	5 (1)	436
17 Dare (80)	104	180	284 (14)	172	0	0	172 (8)	132	0	1,453	0	1,585 (76)	36 (2)	2,077
18 Duplin	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
19 Edgecombe (12)	0	0	0 (0)	0	0	0	0 (1)	0	0	52	0	52 (88)	0 (0)	52
20 Gates	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
21 Greene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
22 Halifax	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
23 Hertford (1)	0	0	0 (0)	0	0	0	0 (0)	0	0	1	0	1 (100)	0 (0)	1
24 Hertford	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
25 Hyde (81)	299	115	415 (18)	51	0	0	51 (3)	25	0	1,782	0	1,808 (78)	46 (2)	2,320
26 Johnston (2)	0	0	0 (0)	0	0	0	0 (0)	0	0	14	0	14 (100)	0 (0)	14
27 Jones (22)	0	0	0 (0)	0	0	0	0 (0)	0	0	138	0	138 (100)	0 (0)	138
28 Lenoir	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
29 Martin (30)	0	0	0 (0)	0	0	0	0 (0)	0	0	286	0	286 (100)	0 (0)	288
30 Nash (4)	0	0	0 (0)	0	0	0	0 (0)	0	0	26	0	26 (88)	0 (0)	27
31 New Hanover (88)	0	76	76 (17)	21	3	0	27 (6)	5	0	320	5	325 (74)	16 (4)	449
32 Northampton (6)	0	0	0 (0)	0	0	0	0 (0)	0	0	15	0	15 (100)	0 (0)	15
33 Onslow (39)	0	118	118 (25)	5	0	0	5 (1)	13	0	312	0	325 (88)	21 (4)	470
34 Pamlico (88)	17	191	208 (18)	42	0	0	43 (4)	19	0	880	0	879 (75)	47 (4)	1,178
35 Pasquotank	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
36 Pender (29)	0	78	78 (8)	8	0	0	8 (1)	0	0	738	0	738 (88)	16 (2)	839
37 Perquimans (14)	0	0	0 (0)	1	0	0	1 (0)	0	0	10	0	10 (82)	0 (0)	11
38 Pitt (3)	0	0	0 (1)	1	0	0	1 (2)	0	0	59	0	59 (98)	0 (1)	61
39 Richmond	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
40 Robeson	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
41 Sampson	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
42 Scotland	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Abbreviations: Unsp., Un-surveyed; Est., Estimate; N/A, Not Available
 a. Values in parentheses represent the percent of county area sampled by NOAA. Areas with less than 100 percent coverage may not be completely mapped by the U.S. Fish and Wildlife Service.
 b. Values in parentheses represent the percent of total county wetlands area sampled by NOAA.

Coastal wetlands by county (Acres X 100)

State/Country	Salt Marsh			Fresh Marsh			Forested and Scrub-Shrub				Tidal Flats		Total	
	Brackish	Unsp.	Subtotal ^a	Non Tidal	Tidal	Unsp.	Subtotal ^b	Est.	Fresh (Unsp.)	Non Tidal Fresh	Tidal Fresh	Subtotal ^b		
NORTH CAROLINA (cont.)														
43 Tyrrell (81)	0	7	7 (0)	7	0	0	7 (0)	1	0	1,427	0	1,428 (98)	0 (0)	1,441
44 Union	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
45 Washington (99)	0	0	0 (0)	27	0	0	27 (4)	0	0	590	0	590 (98)	0 (0)	618
* Wake (5)	0	0	0 (0)	0	0	0	0 (0)	0	0	20	0	20 (100)	0 (0)	20
46 Wayne (11)	0	0	0 (0)	2	0	0	2 (2)	0	0	95	0	95 (98)	0 (0)	97
47 Wilson (42)	0	0	0 (0)	1	0	0	1 (0)	0	0	182	0	182 (100)	0 (0)	183
Subtotal	000	1,338	2,128 (14)	488	22	3	488 (2)	297	135	12,898	35	12,988 (98)	448 (2)	18,012
SOUTH CAROLINA														
48 Allendale (5)	0	0	0 (0)	0	0	2	2 (2)	0	60	4	0	64 (97)	0 (0)	66
49 Barnberg (30)	0	0	0 (0)	0	0	10	10 (2)	0	378	48	0	424 (98)	0 (0)	434
50 Beaufort (100)	0	1,231	1,231 (72)	37	24	4	65 (4)	9	5	298	27	330 (20)	82 (2)	1,714
51 Berkeley (96)	0	74	74 (3)	82	78	0	160 (8)	0	24	1,893	63	1,956 (98)	0 (0)	2,125
* Calhoun (2)	0	0	0 (0)	0	0	0	0 (3)	0	16	0	0	16 (97)	0 (0)	16
52 Charleston (100)	0	1,302	1,302 (48)	125	19	1	144 (5)	15	0	1,030	41	1,086 (40)	186 (7)	2,728
53 Chesterfield	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
54 Clarendon (10)	0	0	0 (0)	0	0	2	2 (2)	0	51	28	0	79 (98)	0 (0)	80
55 Colleton (94)	0	367	367 (13)	123	112	15	250 (9)	2	904	1,590	69	2,125 (77)	5 (0)	2,747
56 Darlington	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
57 Dillon	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
58 Dorchester (100)	0	10	10 (1)	5	3	24	31 (2)	1	475	950	0	1,426 (97)	0 (0)	1,466
59 Florence (44)	0	0	0 (0)	0	0	3	3 (1)	0	902	0	0	902 (98)	0 (0)	905
60 Georgetown (95)	0	304	304 (15)	112	203	5	320 (16)	1	9	868	480	1,348 (67)	25 (1)	1,997
61 Hampton (74)	0	0	0 (0)	4	0	8	12 (1)	0	640	176	0	816 (98)	0 (0)	828
62 Horry (93)	0	19	19 (1)	46	5	0	51 (2)	1	138	1,958	250	2,344 (97)	6 (0)	2,430
63 Jasper (100)	0	353	353 (18)	23	18	76	116 (6)	5	1,025	417	5	1,462 (75)	5 (0)	1,925
64 Kershaw	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
65 Lancaster	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
66 Lee	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
67 Marion (45)	0	0	0 (0)	2	2	7	11 (2)	0	354	283	68	685 (98)	0 (0)	686
68 Marlboro	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
69 Orangeburg (45)	0	0	0 (0)	3	0	13	16 (1)	0	1,444	3	0	1,447 (99)	0 (0)	1,483
70 Sumter (2)	0	0	0 (0)	0	0	1	1 (2)	0	24	0	0	24 (98)	0 (0)	25
71 Williamsburg (94)	0	0	0 (0)	14	0	20	34 (2)	0	985	418	16	1,417 (98)	0 (0)	1,492
Subtotal	0	3,888	3,888 (14)	875	463	188	1,228 (6)	34	6,631	8,888	1,818	17,483 (77)	388 (1)	22,888
GEORGIA														
72 Appling	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
73 Atkinson (80)	0	0	0 (0)	7	0	0	7 (2)	0	0	453	0	453 (98)	0 (0)	461
74 Bacon (24)	0	0	0 (0)	5	0	0	5 (4)	0	0	97	0	97 (95)	0 (0)	101
75 Ben Hill (32)	0	0	0 (0)	2	0	0	2 (4)	0	0	82	0	82 (98)	0 (0)	84
76 Brantley (100)	0	1	1 (0)	14	0	0	14 (1)	0	0	1,027	1	1,028 (98)	0 (0)	1,043
77 Bryan (80)	0	34	34 (4)	18	4	0	22 (3)	0	0	748	30	777 (93)	0 (0)	834
78 Bulloch (83)	0	0	0 (0)	14	0	0	14 (1)	0	0	989	0	989 (98)	0 (0)	1,004
* Burke (10)	0	0	0 (0)	2	0	0	2 (2)	0	0	75	0	75 (98)	0 (0)	77

Abbreviations: Unsp., Unsampled; Est., Estimate; N/A, Not Available

* Non coastal county not within EDA boundary.

a. Values in parentheses represent the percent of county grid sampled by NOAA. Areas with less than 100 percent coverage may not be completely mapped by the U.S. Fish and Wildlife Service.

b. Values in parentheses represent the percent of total county wetlands grid sampled by NOAA.

Coastal wetlands by county (Acres X 100)

State/County	Salt Marsh			Fresh Marsh				Forested and Scrub-Shrub				Tidal Flats		Total
	Brackish	Unsp.	Subtotal ^a	Non Total	Total	Unsp.	Subtotal ^b	Est.	Fresh (Unsp.)	Non Total Fresh	Total Fresh	Subtotal ^b		
GEORGIA (cont.)														
79 Camden (100)	20	730	754 (42)	94	16	0	70 (4)	14	0	732	168	945 (53)	26 (1)	1,794
* Candler (10)	0	0	0 (0)	0	0	0	0 (0)	0	0	29	0	29 (100)	0 (0)	29
80 Charlton (25)	0	0	0 (0)	13	0	0	13 (5)	0	0	384	43	377 (97)	0 (0)	381
81 Chatham (7)	0	80	80 (87)	0	0	0	0 (0)	1	2	3	0	6 (6)	7 (7)	104
82 Clinch (23)	0	0	0 (0)	5	0	0	5 (1)	0	0	432	0	432 (66)	0 (0)	437
83 Coffee (36)	0	0	0 (0)	6	0	0	6 (3)	0	0	230	0	230 (67)	0 (0)	236
84 Effingham (100)	0	0	0 (0)	2	0	0	2 (0)	0	342	784	0	1,127 (100)	0 (0)	1,128
85 Emanuel (17)	0	0	0 (0)	1	0	0	1 (1)	0	0	81	0	81 (98)	0 (0)	81
* Evans (50)	0	0	0 (0)	1	0	0	1 (1)	0	0	135	0	135 (99)	0 (0)	136
86 Glynn (99)	43	815	859 (80)	23	22	0	45 (3)	7	0	487	88	575 (44)	29 (3)	1,310
87 Irwin (37)	0	0	0 (0)	8	0	0	8 (5)	0	0	134	0	134 (94)	0 (0)	142
88 Jeff Davis	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
89 Jenkins (93)	0	0	0 (0)	7	0	0	7 (2)	0	0	434	0	434 (98)	0 (0)	441
* Lanier (12)	0	0	0 (0)	1	0	0	1 (5)	0	0	34	0	34 (97)	0 (0)	35
90 Liberty (53)	0	0	0 (0)	5	0	0	5 (1)	0	0	578	0	578 (89)	0 (0)	586
91 Long (10)	0	0	0 (0)	1	0	0	1 (1)	0	0	91	0	91 (98)	0 (0)	92
92 McIntosh (50)	18	383	402 (45)	42	43	0	85 (10)	1	0	187	206	397 (44)	9 (1)	600
93 Montgomery (86)	0	0	0 (0)	5	0	0	5 (3)	0	0	174	0	174 (97)	0 (0)	180
94 Pierce (98)	0	0	0 (0)	21	0	0	21 (3)	0	0	612	0	612 (97)	0 (0)	632
95 Screven (92)	0	0	0 (0)	23	0	2	25 (3)	0	188	708	0	905 (97)	0 (0)	930
96 Tattnall (43)	0	0	0 (0)	5	0	0	5 (3)	0	0	220	0	220 (97)	0 (0)	228
97 Toombs (47)	0	0	0 (0)	3	0	0	3 (3)	0	0	100	0	100 (95)	0 (0)	105
98 Ware (55)	0	0	0 (0)	36	0	0	36 (4)	0	0	1,000	0	1,000 (94)	0 (0)	1,028
99 Wayne (37)	0	0	0 (0)	7	0	0	7 (1)	0	0	821	7	828 (98)	0 (0)	834
* Wheeler (3)	0	0	0 (0)	0	0	0	0 (0)	0	0	32	0	32 (100)	0 (0)	32
Subtotal	63	1,858	1,941 (13)	341	86	4	431 (3)	24	644	11,228	887	12,774 (94)	78 (8)	16,321
FLORIDA														
100 Alachua (8)	0	0	0 (0)	12	0	0	12 (15)	0	0	88	0	88 (85)	0 (0)	88
101 Baker (6)	0	0	0 (0)	0	0	0	0 (0)	0	0	71	0	71 (100)	0 (0)	71
102 Bradford (39)	0	0	0 (0)	8	0	0	8 (5)	0	0	148	0	148 (94)	0 (0)	158
103 Brevard (95)	0	5	5 (5)	1,292	57	0	1,349 (88)	30	0	564	18	613 (31)	22 (1)	1,990
104 Broward (70)	0	0	0 (0)	2,438	0	0	2,438 (73)	18	0	976	0	997 (27)	1 (3)	3,235
105 Clay (71)	0	1	1 (0)	25	0	0	26 (5)	0	0	439	0	440 (82)	0 (0)	477
106 Columbia	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
107 Dade (49)	0	220	220 (8)	1,828	0	0	1,828 (83)	387	0	744	0	1,141 (28)	17 (1)	2,909
108 Duval (87)	0	338	338 (27)	40	0	0	40 (3)	7	0	836	12	854 (88)	12 (1)	1,245
109 Flagler (100)	0	35	35 (3)	88	0	0	88 (3)	6	0	975	2	986 (85)	3 (3)	1,120
110 Hendry	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
111 Indian River (97)	0	3	3 (5)	268	0	0	269 (45)	44	0	401	0	445 (54)	0 (1)	625
112 Lake (36)	0	0	0 (0)	107	0	0	107 (14)	0	0	832	0	832 (98)	0 (0)	739
113 Marion (33)	0	0	0 (0)	75	0	0	75 (22)	0	0	270	0	270 (78)	0 (0)	345
114 Martin (83)	0	0	0 (0)	482	0	0	482 (78)	22	0	129	0	150 (23)	4 (1)	646
115 Monroe (0)	0	0	0 (0)	0	0	0	0 (0)	0	0	0	0	0 (0)	0 (0)	0
116 Nassau (63)	0	248	248 (30)	11	3	0	14 (2)	7	0	488	89	536 (44)	38 (5)	626

Abbreviations: Unsp., Unsampled; Est., Estimated; N/A, Not Available
^a Non coastal county not within EDA boundaries
^b Values in parentheses represent the percent of county grid sampled by NOAA. Areas with less than 100 percent coverage may not be completely mapped by the U.S. Fish and Wildlife Service
^c Values in parentheses represent the percent of total county wetlands grid sampled by NOAA.

Coastal wetlands by county (Acres X 100)

State/County ^a	Salt Marsh			Fresh Marsh			Forested and Scrub-Shrub				Tidal Flats ^b		Total	
	Brackish	Unsp.	Subtotal ^a	Non Tidal	Tidal	Unsp.	Subtotal ^a	Est.	Non Tidal		Subtotal ^a			
									Fresh (Unsp.)	Fresh				
FLORIDA (cont.)														
117 Okechobee (46)	0	0	0 (0)	289	0	0	289 (63)	0	0	170	0	170 (37)	0 (0)	459
118 Orange (76)	0	0	0 (0)	235	0	0	235 (34)	0	0	727	0	727 (76)	0 (0)	962
119 Ocala (56)	0	0	0 (0)	429	0	0	429 (33)	0	0	895	0	895 (57)	0 (0)	1,295
120 Palm Beach (86)	0	0	0 (0)	2,399	0	0	2,399 (62)	5	0	1,451	0	1,456 (35)	6 (0)	3,860
121 Putnam (96)	0	0	0 (0)	108	0	0	108 (10)	0	0	974	0	974 (90)	0 (0)	1,083
122 St. Johns (100)	0	189	189 (12)	89	1	0	90 (8)	12	0	1,129	1	1,140 (80)	27 (2)	1,425
123 St. Lucie (91)	0	11	11 (8)	274	0	0	274 (57)	49	0	137	1	137 (39)	5 (1)	477
124 Seminole (100)	0	0	0 (0)	198	0	0	198 (20)	0	0	376	0	376 (70)	0 (0)	574
125 Union	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
126 Volusia (92)	0	27	27 (1)	413	5	0	418 (18)	72	0	1,805	1	1,806 (80)	19 (1)	2,344
Subtotal	0	1,899	1,899 (4)	16,899	65	1	16,964 (48)	699	1	14,264	185	15,059 (59)	181 (1)	27,294
South Atlantic Total	673	4,270	4,943 (11)	12,378	637	167	12,116 (46)	1,094	7,319	46,148	1,680	50,432 (73)	1,016 (1)	62,865

Abbreviations: Unsp., Unspoiled; Est., Estuarine; N/A, Not Available
^a Values in parentheses represent the percent of survey grid completed by NOAA. Areas with less than 100 percent coverage may not be completely mapped by the U.S. Fish and Wildlife Service
^b Values in parentheses represent the percent of total estuary wetlands grid completed by NOAA