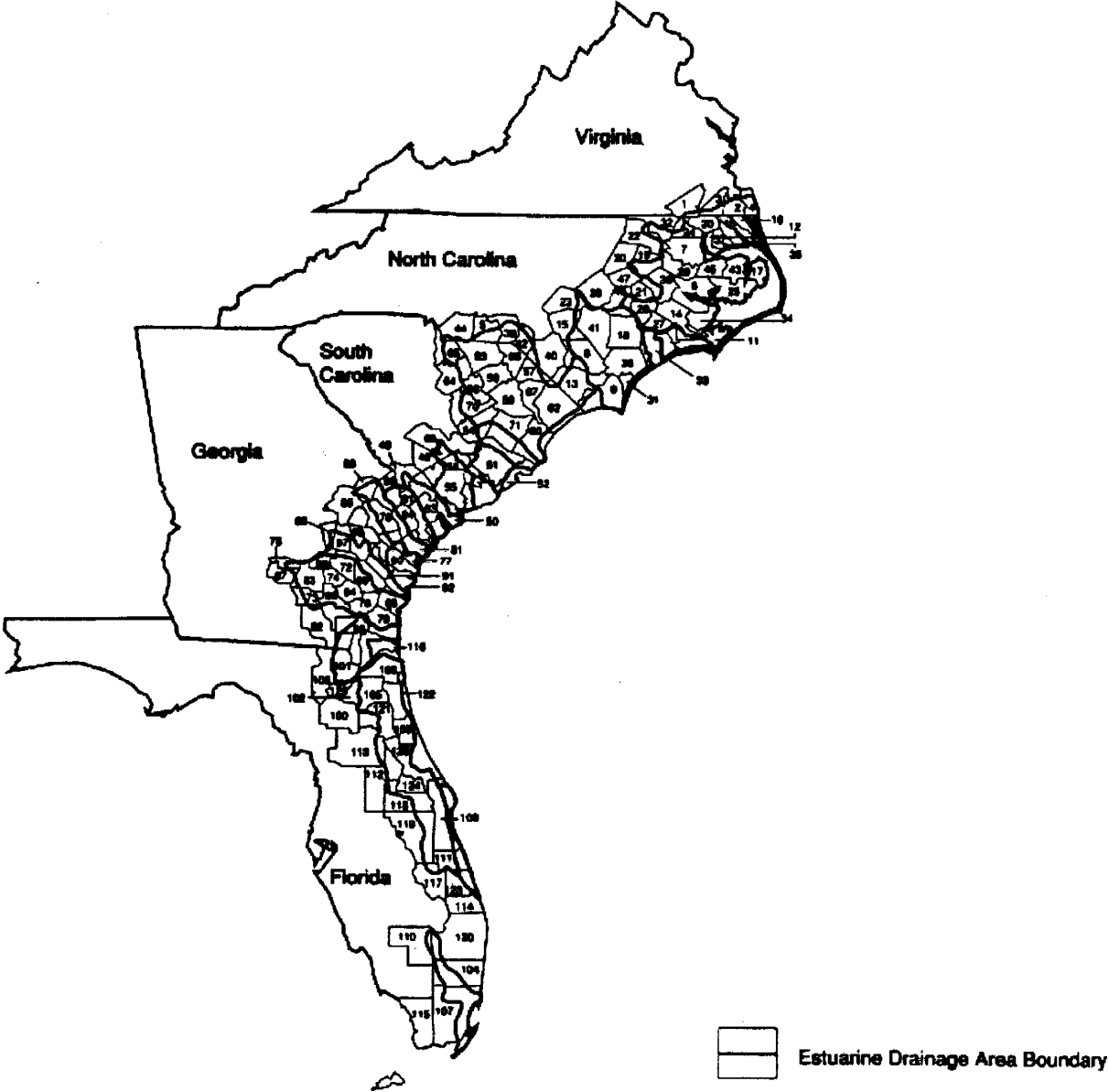


9.0 APPENDICES

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		
	Emergent	Unsp.	Subtotal	Non-Tidal	Total	Unsp.	Subtotal	Est.	Fresh (Unsp.)	Non-Tidal Fresh	Total Fresh		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 (88)	1 (0)	804
3 Suffolk (100)	0	30	30 (8)	0	0	0	0 (0)	0	0	449	1	450 (91)	4 (1)	454
4 Virginia Beach (90)	0	88	88 (33)	12	6	0	12 (4)	0	0	80	112	173 (88)	15 (5)	288
Subtotal	0	164	164 (9)	14	6	0	15 (1)	0	0	1,384	208	1,591 (90)	30 (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	301	0	301 (100)	0 (0)	302
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 (18)	53	14	2	68 (10)	2	135	340	7	482 (72)	16 (2)	674
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 (12)	1,250
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 (2)	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 (88)	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	139	139 (37)	4	0	0	4 (1)	4	0	235	30	265 (81)	5 (1)	436
17 Dare (80)	104	180	284 (14)	172	0	0	172 (8)	132	0	1,453	0	1,585 (78)	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 Edgemore (12)	0	0	0 (0)	0	0	0	0 (1)	0	0	52	0	52 (88)	0 (0)	62
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 Hatteras	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)	289	115	415 (18)	51	0	0	51 (3)	26	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	388	0	388 (100)	0 (0)	388
30 Nash (4)	0	0	0 (0)	0	0	0	0 (0)	0	0	36	0	36 (98)	0 (0)	37
31 New Hanover (88)	0	76	76 (17)	21	3	0	27 (8)	5	0	320	5	325 (74)	16 (4)	449
32 Northampton (8)	0	0	0 (0)	0	0	0	0 (0)	0	0	16	0	16 (100)	0 (0)	16
33 Onslow (39)	0	118	118 (25)	5	0	0	5 (1)	13	0	312	0	325 (88)	21 (4)	470
34 Pamlico (89)	17	191	208 (18)	42	0	0	42 (4)	19	0	880	0	921 (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)	808
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 (88)	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., Unvegetated; Est., Estuarine; 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/County	Salt Marsh			Fresh Marsh			Forested and Scrub-Shrub				Tidal Flats		Total	
	Brackish	Unsp.	Subtotal	Non Tidal	Tidal	Unsp.	Subtotal	Est.	Fresh (Unsp.)	Non Tidal Fresh	Tidal Fresh	Subtotal		
NORTH CAROLINA (cont.)														
43 Tyrrell (81)	0	7	7 (0)	7	0	0	7 (0)	1	0	1,427	0	1,428 (80)	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	380	0	380 (80)	0 (0)	618
* Wake (5)	0	0	0 (0)	0	0	0	0 (0)	0	0	30	0	30 (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	989	1,328	2,128 (14)	489	22	3	488 (2)	297	135	12,898	35	12,998 (80)	448 (2)	18,912
SOUTH CAROLINA														
48 Allendale (5)	0	0	0 (0)	0	0	2	2 (2)	0	80	4	0	84 (97)	0 (0)	86
49 Barnberg (30)	0	0	0 (0)	0	0	10	10 (2)	0	378	48	0	424 (88)	0 (0)	434
50 Beaufort (100)	0	1,231	1,231 (72)	37	24	4	65 (4)	8	5	288	27	308 (20)	82 (2)	1,714
51 Berkeley (96)	0	74	74 (3)	82	78	0	160 (8)	0	24	1,893	63	1,980 (88)	0 (0)	2,128
* 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 (88)	0 (0)	80
55 Colleton (94)	0	387	387 (13)	123	112	15	250 (9)	2	304	1,590	89	2,185 (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	473	950	0	1,426 (97)	0 (0)	1,486
59 Florence (44)	0	0	0 (0)	0	0	3	3 (1)	0	802	0	0	802 (88)	0 (0)	805
60 Georgetown (95)	0	304	304 (15)	112	203	5	320 (16)	1	9	888	480	1,348 (67)	25 (1)	1,897
61 Hampton (74)	0	0	0 (0)	4	0	8	12 (1)	0	640	178	0	816 (88)	0 (0)	828
62 Horry (93)	0	19	19 (1)	46	5	0	51 (2)	1	138	1,858	250	2,344 (97)	6 (0)	2,430
63 Jasper (100)	0	353	353 (18)	23	18	78	116 (6)	5	1,025	417	5	1,452 (78)	5 (0)	1,926
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	88	685 (88)	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 (88)	0 (0)	1,483
70 Sumter (2)	0	0	0 (0)	0	0	1	1 (2)	0	24	0	0	24 (88)	0 (0)	25
71 Williamsburg (94)	0	0	0 (0)	14	0	20	34 (2)	0	985	418	16	1,417 (88)	0 (0)	1,482
Subtotal	0	3,888	3,888 (14)	875	483	188	1,228 (8)	34	6,831	8,888	1,818	17,483 (77)	288 (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 (88)	0 (0)	461
74 Bacon (24)	0	0	0 (0)	5	0	0	5 (4)	0	0	97	0	97 (85)	0 (0)	101
75 Ben Hill (32)	0	0	0 (0)	2	0	0	2 (4)	0	0	82	0	82 (88)	0 (0)	84
76 Brantley (100)	0	1	1 (0)	14	0	0	14 (1)	0	0	1,027	1	1,028 (88)	0 (0)	1,043
77 Bryan (80)	0	34	34 (4)	18	4	0	22 (3)	0	0	748	30	777 (88)	0 (0)	834
78 Bulloch (83)	0	0	0 (0)	14	0	0	14 (1)	0	0	988	0	988 (88)	0 (0)	1,004
* Burke (10)	0	0	0 (0)	2	0	0	2 (2)	0	0	75	0	75 (88)	0 (0)	77

Abbreviations: Unsp., Unspoiled; Est., Estuarine; N/A, Not Available
 * Non coastal county not within EDA boundaries
 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	Non Total	Total	Unsp.	Subtotal	Est. (100%)	Fresh Total	Total Fresh	Subtotal			
GEORGIA (cont.)														
79 Camden (100)	20	730	754 (43)	94	16	0	70 (4)	14	0	732	168	948 (53)	36 (1)	1,784
* Chandler (10)	0	0	0 (0)	0	0	0	0 (0)	0	0	29	0	29 (16)	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 (98)	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 (59)	0	0	0 (0)	1	0	0	1 (1)	0	0	185	0	185 (98)	0 (0)	186
86 Glynn (89)	43	818	860 (88)	23	22	0	45 (3)	7	8	487	88	575 (44)	33 (3)	1,310
87 Irwin (37)	0	0	0 (0)	8	0	0	8 (8)	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	484	0	484 (98)	0 (0)	441
* Lanier (12)	0	0	0 (0)	1	0	0	1 (3)	0	0	34	0	34 (67)	0 (0)	35
90 Liberty (53)	0	0	0 (0)	8	0	0	8 (1)	0	0	978	0	978 (98)	0 (0)	986
91 Long (10)	0	0	0 (0)	1	0	0	1 (1)	0	0	91	0	91 (88)	0 (0)	83
92 McIntosh (50)	18	383	402 (45)	42	43	0	85 (10)	1	0	187	208	397 (44)	9 (1)	589
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)	682
95 Screven (92)	0	0	0 (0)	23	0	2	25 (3)	0	188	788	0	905 (97)	0 (0)	930
96 Tattnall (43)	0	0	0 (0)	8	0	0	8 (3)	0	0	220	0	220 (97)	0 (0)	238
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 (98)	0 (0)	1,038
99 Wayne (37)	0	0	0 (0)	7	0	0	7 (1)	0	0	82	7	89 (88)	0 (0)	894
* Wheeler (3)	0	0	0 (0)	0	0	0	0 (0)	0	0	32	0	32 (100)	0 (0)	32
Subtotal	63	1,858	1,921 (13)	241	86	4	431 (3)	24	844	11,828	337	12,776 (54)	78 (8)	14,221
FLORIDA														
100 Alachua (8)	0	0	0 (0)	12	0	0	12 (18)	0	0	88	0	88 (88)	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 (6)	1,282	57	0	1,340 (88)	30	0	364	18	613 (31)	22 (1)	1,989
104 Broward (70)	0	0	0 (0)	2,438	0	0	2,438 (73)	18	0	976	6	987 (97)	1 (8)	3,255
105 Clay (71)	0	1	1 (6)	26	0	0	26 (5)	0	0	438	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)	2,509
108 Duval (67)	0	338	338 (27)	40	0	0	40 (3)	7	0	836	12	854 (88)	12 (1)	1,346
109 Flagler (100)	0	35	35 (3)	88	0	0	88 (7)	0	0	978	2	986 (85)	2 (6)	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 (67)	0	3	3 (5)	268	0	0	268 (46)	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 (28)	0	0	270	0	270 (78)	0 (0)	348
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	88	536 (49)	38 (3)	606

Abbreviations: Unsp., Unsubmerged; Est., Estimated; N/A, Not Available
 * Non coastal county not within EDA boundaries
 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	
	Breached	Unsp.	Subtotal ^a	Non Tidal	Tidal	Unsp.	Subtotal ^b	Est.	Fresh (Unsp.)	Non Tidal Fresh	Total Fresh	Subtotal ^b		
FLORIDA (cont.)														
117 Okechobee (46)	0	0	0 (0)	269	0	0	269 (63)	0	0	170	0	170 (37)	0 (0)	439
118 Orange (76)	0	0	0 (0)	235	0	0	235 (34)	0	0	727	0	727 (76)	0 (0)	962
119 Osceola (56)	0	0	0 (0)	429	0	0	429 (33)	0	0	866	0	866 (57)	0 (0)	1,295
120 Palm Beach (86)	0	0	0 (0)	2,388	0	0	2,388 (62)	5	0	1,451	0	1,456 (35)	0 (0)	3,844
121 Putnam (96)	0	0	0 (0)	108	0	0	108 (16)	0	0	974	0	974 (80)	0 (0)	1,082
122 St. Johns (100)	0	189	189 (12)	88	1	0	90 (6)	12	0	1,128	1	1,140 (60)	27 (2)	1,425
123 St. Lucie (81)	0	11	11 (6)	274	0	0	274 (37)	49	0	137	1	137 (39)	5 (1)	477
124 Seminole (100)	0	0	0 (0)	188	0	0	188 (30)	0	0	376	0	376 (70)	0 (0)	564
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	1,809	1,809 (4)	16,888	66	1	16,954 (48)	609	1	14,264	125	15,009 (73)	181 (1)	27,204
South Atlantic Total	672	6,270	6,942 (11)	12,378	637	167	12,116 (46)	1,094	7,319	46,148	1,600	50,432 (73)	1,016 (1)	62,885

Abbreviations: Unsp., Unsubmerged; Est., Estuarine; NA, Not Available
^a values in parentheses represent the percent of survey 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 study estuary grid sampled by NOAA