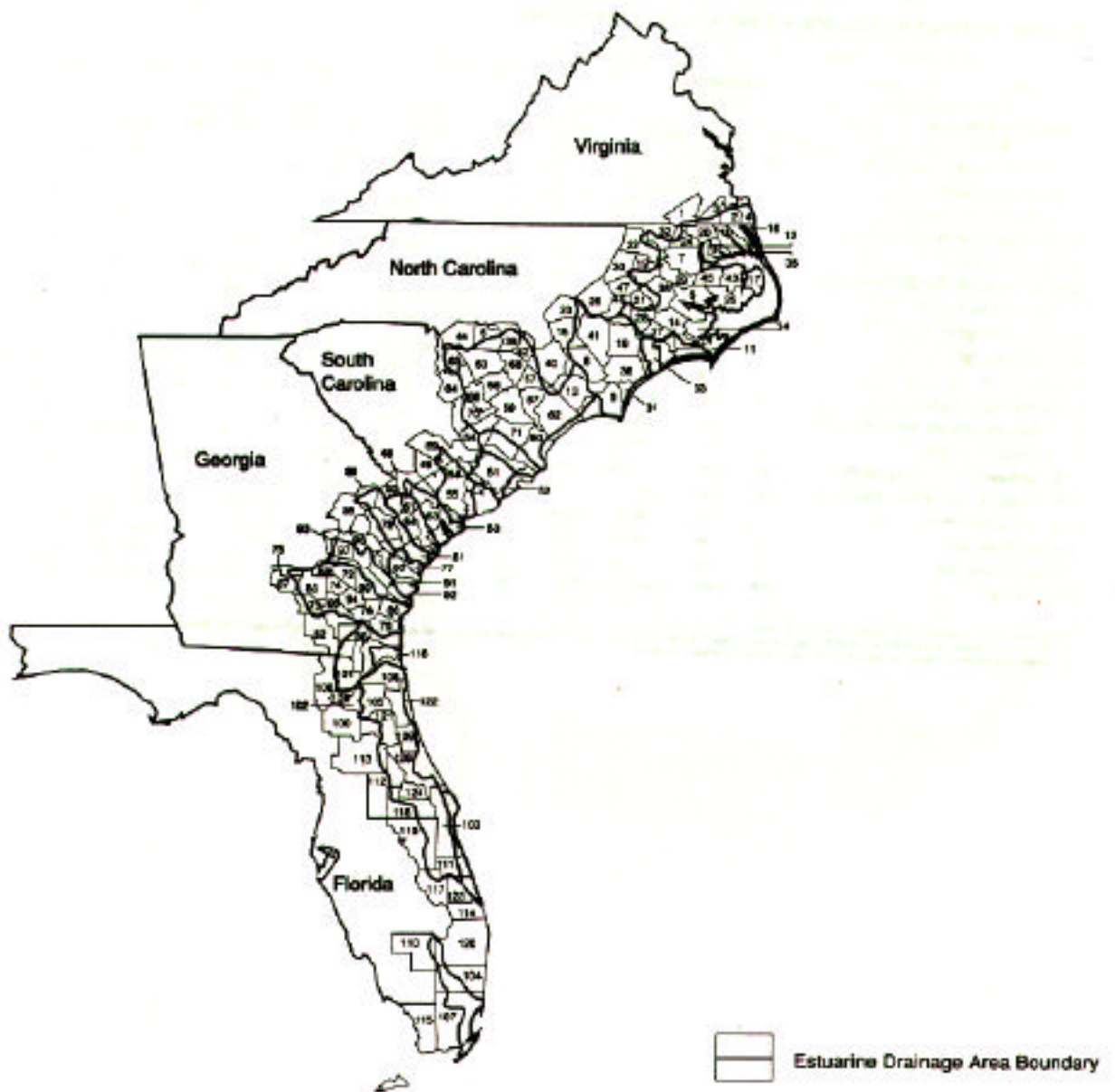


9.0 APPENDICES

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		
	Emerald	Unsp.	Subtotal	Non Total	Total	Unsp.	Subtotal	Est.	Fresh (Unsp.)	Non Total Fresh			Tidal Fresh	Subtotal
VIRGINIA														
1 Southampton (100)	0	0	0 (0)	0	0	0	0 (0)	0	0	162	0	162 (162)	0 (0)	162
2 Chesapeake (100)	0	16	16 (2)	2	0	0	2 (2)	0	0	712	0	805 (805)	1 (3)	824
3 Suffolk (100)	0	36	36 (8)	0	0	0	1 (2)	0	0	448	1	450 (47)	4 (1)	495
4 Virginia Beach (90)	0	36	36 (33)	12	0	0	12 (4)	0	0	60	112	173 (38)	15 (3)	258
Subtotal	0	164	164 (52)	14	0	0	15 (6)	0	0	1,384	296	1,891 (86)	26 (7)	1,778
NORTH CAROLINA														
5 Anson	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
6 Beaufort (86)	0	80	80 (2)	27	0	0	27 (3)	14	0	843	0	955 (90)	0 (0)	1,062
7 Bertie (21)	0	0	0 (2)	1	0	0	1 (2)	0	0	381	0	381 (12)	0 (0)	382
8 Bladen	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
9 Brunswick (30)	0	136	136 (16)	53	14	0	68 (12)	2	135	349	7	482 (72)	35 (2)	574
10 Camden (16)	0	18	18 (12)	0	0	0	0 (5)	0	0	116	0	118 (84)	0 (2)	134
11 Carteret (83)	189	264	363 (21)	75	0	0	17 (1)	77	0	832	2	1,018 (55)	234 (12)	1,823
12 Chowan (4)	0	0	0 (2)	0	0	0	0 (3)	0	0	0	0	0 (3)	0 (2)	0
13 Columbus (4)	0	0	0 (2)	1	0	0	1 (2)	0	0	43	0	45 (37)	0 (2)	44
14 Craven (50)	1	18	17 (2)	10	0	0	10 (2)	2	0	773	0	775 (94)	4 (2)	811
15 Cumberland	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16 Currituck (57)	0	158	158 (27)	4	0	0	4 (1)	4	0	235	30	255 (51)	5 (1)	428
17 Dare (85)	104	180	284 (14)	172	0	0	172 (6)	132	0	1,453	0	1,685 (74)	38 (2)	2,077
18 Duplin	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
19 Edgecombe (12)	0	0	0 (2)	0	0	0	0 (1)	0	0	82	0	82 (38)	0 (2)	82
20 Gates	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
21 Greene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22 Halifax	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
23 Harnett (1)	0	0	0 (2)	0	0	0	0 (2)	0	0	1	0	1 (18)	0 (2)	1
24 Hertford	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
25 Hyde (51)	289	115	475 (18)	51	0	0	61 (2)	58	0	1,782	0	1,898 (75)	46 (2)	2,326
26 Johnston (2)	0	0	0 (2)	0	0	0	0 (3)	0	0	14	0	14 (18)	0 (2)	14
27 Jones (22)	0	0	0 (2)	0	0	0	0 (3)	0	0	138	0	138 (18)	0 (2)	136
28 Lenior	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
29 Martin (30)	0	0	0 (2)	0	0	0	0 (2)	0	0	268	0	268 (118)	0 (2)	266
30 Nash (4)	0	0	0 (2)	0	0	0	0 (2)	0	0	26	0	26 (38)	0 (2)	27
31 New Hanover (96)	0	76	76 (17)	21	0	0	27 (5)	5	0	320	5	330 (74)	18 (4)	449
32 Northampton (5)	0	0	0 (2)	0	0	0	0 (2)	0	0	15	0	15 (100)	0 (2)	15
33 Onslow (38)	0	118	118 (25)	8	0	0	6 (1)	13	0	312	0	325 (58)	21 (4)	475
34 Pamlico (86)	17	181	208 (18)	42	0	0	43 (4)	19	0	880	0	879 (75)	47 (4)	1,178
35 Pasquotank	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
36 Pender (29)	0	76	76 (8)	8	0	0	6 (1)	0	0	236	0	236 (32)	16 (2)	309
37 Perquimans (14)	0	0	0 (2)	1	0	0	1 (2)	0	0	10	0	10 (32)	0 (2)	11
38 Pitt (3)	0	0	0 (1)	1	0	0	1 (2)	0	0	58	0	58 (35)	0 (1)	61
39 Richmond	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
40 Robeson	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
41 Sampson	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
42 Scotland	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Abbreviations: Unsp., unreported; Est., Estimate; NA, Not Available.
 1. 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.
 2. Values in parentheses represent the percent of total county wetlands area sampled by NOAA.

Coastal wetlands by county (Acres X 100)

State/Country ^a	Salt Marsh			Fresh Marsh				Forested and Scrub-Shrub				Tidal Flats ^b		Total
	Swampish	Unsp.	Subtotal ^c	Non-Tidal	Tidal	Unsp.	Subtotal ^c	Swampish	Fresh (Unsp.)	Non-Tidal	Tidal	Subtotal ^c		
NORTH CAROLINA (cont.)														
43 Tyrrell (81)	0	7	7 (8)	7	0	0	7 (8)	1	0	1,427	0	1,428 (98)	0 (0)	1,441
44 Union	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
45 Washington (98)	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	0	0	0 (0)	480	0	0	488 (5)	297	136	12,990	0	13,386 (98)	0 (0)	13,812
SOUTH CAROLINA														
48 Allendale (5)	0	0	0 (0)	0	0	2	2 (3)	0	66	4	0	64 (97)	0 (0)	66
49 Bamberg (30)	0	0	0 (0)	0	0	10	10 (2)	0	375	40	0	424 (98)	0 (0)	424
50 Beaufort (100)	0	1,231	1,231 (72)	37	24	4	65 (10)	0	5	296	27	326 (26)	62 (5)	1,714
51 Berkeley (96)	0	74	74 (2)	62	78	0	140 (8)	0	24	1,803	83	1,881 (98)	0 (0)	2,125
* Calhoun (2)	0	0	0 (0)	0	0	0	0 (0)	0	18	0	0	18 (97)	0 (0)	18
52 Charleston (100)	0	1,302	1,302 (48)	129	19	1	144 (5)	15	0	1,030	41	1,086 (46)	196 (7)	2,726
53 Chesterfield	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
54 Clarendon (10)	0	0	0 (0)	0	0	2	2 (2)	0	51	26	0	78 (98)	0 (0)	80
55 Colleton (94)	0	367	367 (13)	123	112	13	250 (9)	2	504	1,580	89	2,105 (77)	5 (0)	2,147
56 Darlington	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
57 Dillon	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
58 Dorchester (100)	0	10	10 (1)	5	3	24	31 (2)	1	475	950	0	1,426 (87)	0 (0)	1,468
59 Florence (44)	0	0	0 (0)	0	0	3	3 (1)	0	502	0	0	502 (99)	0 (0)	502
60 Georgetown (95)	0	364	364 (15)	112	263	5	380 (16)	1	0	856	480	1,348 (87)	25 (1)	1,867
61 Hampton (74)	0	0	0 (0)	4	0	8	12 (1)	0	640	178	0	818 (99)	0 (0)	828
62 Horry (93)	0	18	18 (1)	45	5	0	50 (5)	1	136	1,358	250	2,344 (87)	0 (0)	2,420
63 Jasper (100)	0	353	353 (16)	23	18	78	119 (6)	5	1,025	417	5	1,452 (73)	5 (0)	1,526
64 Kershaw	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
65 Lancaster	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
66 Lee	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
67 Marion (45)	0	0	0 (0)	2	2	7	11 (2)	0	354	263	88	685 (98)	0 (0)	696
68 Marlboro	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
69 Orangeburg (45)	0	0	0 (0)	3	0	13	16 (1)	0	1,444	3	0	1,447 (98)	0 (0)	1,482
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	989	418	18	1,417 (98)	0 (0)	1,452
Subtotal	0	3,699	3,699 (16)	879	463	190	1,532 (5)	34	6,831	9,890	1,019	17,660 (77)	280 (1)	22,869
GEORGIA														
72 Appling	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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	57	0	57 (95)	0 (0)	101
75 Ben Hill (32)	0	0	0 (0)	2	0	0	2 (4)	0	0	62	0	62 (98)	0 (0)	64
75 Brantley (100)	0	1	1 (2)	14	0	0	14 (1)	0	0	1,027	1	1,028 (99)	0 (0)	1,343
77 Bryan (80)	0	34	34 (4)	18	4	0	22 (2)	0	748	30	777 (92)	0 (0)	824	
78 Bulloch (83)	0	0	0 (0)	14	0	0	14 (1)	0	0	989	0	989 (99)	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., Unpopulated; Est., Estimate; NA, Not Available.
^a Non-wetland county not within NOAA 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	Salt Marsh			Fresh Marsh				Forested and Scrub-Shrub				Tidal Flats	Total	
	Wetland	Upland	Subtotal	Non-Tidal	Tidal	Upland	Subtotal	Est.	Fresh (Upland)	Non-Tidal Fresh	Total Fresh			Subtotal
GEORGIA (cont.)														
78 Camden (100)	20	730	754 (100)	84	16	0	70 (60)	14	0	702	198	943 (500)	25 (1)	1,794
* Camden (10)	0	0	0 (0)	0	0	0	0 (0)	0	0	0	0	0 (0)	0 (0)	0
80 Charlton (25)	0	0	0 (0)	13	0	0	13 (0)	0	0	204	43	377 (50)	0 (0)	391
81 Chatham (7)	0	30	30 (100)	0	0	0	0 (0)	1	2	3	6	9 (5)	7 (7)	104
82 Clinch (25)	0	0	0 (0)	5	0	0	5 (0)	0	0	425	0	430 (50)	0 (0)	437
83 Coffee (30)	0	0	0 (0)	5	0	0	0 (0)	0	0	230	0	235 (50)	0 (0)	238
84 Effingham (100)	0	0	0 (0)	2	0	0	2 (0)	0	342	784	0	1,027 (100)	0 (0)	1,130
85 Emanuel (17)	0	0	0 (0)	1	0	0	1 (1)	0	0	81	0	81 (50)	0 (0)	87
* Evans (59)	0	0	0 (0)	1	0	0	1 (1)	0	0	135	0	136 (50)	0 (0)	136
86 Glynn (39)	40	610	650 (100)	23	23	0	45 (3)	7	0	487	89	873 (44)	33 (3)	1,310
87 Inverness (37)	0	0	0 (0)	8	0	0	8 (8)	0	0	134	0	134 (50)	0 (0)	142
88 Jeff Davis	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
89 Jenkins (93)	0	0	0 (0)	7	0	0	7 (2)	0	0	434	0	434 (50)	0 (0)	441
* Lanier (12)	0	0	0 (0)	1	0	0	1 (3)	0	0	34	0	34 (50)	0 (0)	35
90 Liberty (53)	0	0	0 (0)	8	0	0	8 (1)	0	0	878	0	879 (50)	0 (0)	886
91 Long (10)	0	0	0 (0)	1	0	0	1 (1)	0	0	91	0	91 (50)	0 (0)	93
92 McIntosh (50)	18	303	321 (100)	42	42	0	84 (18)	1	0	147	209	357 (14)	9 (1)	460
93 Montgomery (95)	0	0	0 (0)	0	0	0	0 (0)	0	0	174	0	174 (50)	0 (0)	180
94 Pierce (98)	0	0	0 (0)	21	0	0	21 (3)	0	0	912	0	912 (50)	0 (0)	930
95 Screven (32)	0	0	0 (0)	22	0	0	22 (3)	0	106	706	0	834 (50)	0 (0)	836
96 Tatnall (43)	0	0	0 (0)	5	0	0	5 (0)	0	0	236	0	236 (50)	0 (0)	238
97 Teconia (47)	0	0	0 (0)	5	0	0	5 (0)	0	0	106	0	106 (50)	0 (0)	108
98 Ware (55)	0	0	0 (0)	30	0	0	30 (6)	0	0	1,200	0	1,230 (50)	0 (0)	1,238
99 Wayne (37)	0	0	0 (0)	7	0	0	7 (1)	0	0	921	7	928 (50)	0 (0)	934
* Wheeler (2)	0	0	0 (0)	0	0	0	0 (0)	0	0	32	0	32 (100)	0 (0)	32
Subtotal	83	1,858	1,941 (73)	341	84	4	429 (3)	24	344	11,820	887	12,774 (54)	79 (9)	13,221
FLORIDA														
150 Alachua (8)	0	0	0 (0)	13	0	0	13 (15)	0	0	88	0	88 (15)	0 (0)	90
151 Baker (5)	0	0	0 (0)	0	0	0	0 (0)	0	0	71	0	71 (100)	0 (0)	71
152 Bradford (38)	0	0	0 (0)	8	0	0	8 (2)	0	0	143	0	149 (34)	0 (0)	156
153 Brevard (95)	0	8	8 (8)	1,262	57	0	1,319 (55)	30	0	584	18	813 (21)	22 (1)	1,380
154 Broward (70)	0	0	0 (0)	2,438	0	0	2,438 (73)	13	0	878	0	3,329 (27)	1 (0)	3,330
155 Clay (71)	0	1	1 (1)	36	0	0	36 (5)	0	0	428	0	465 (50)	0 (0)	477
156 Columbia	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
157 Dade (49)	0	222	222 (5)	1,528	0	0	1,528 (50)	287	0	744	0	1,141 (25)	17 (1)	2,900
158 Duval (87)	0	256	256 (27)	40	0	0	40 (3)	7	0	838	12	856 (55)	12 (1)	1,249
159 Flagler (100)	0	35	35 (3)	95	0	0	95 (3)	0	0	375	2	472 (50)	2 (0)	1,120
160 Hendry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
161 Indian River (97)	0	5	5 (3)	380	0	0	385 (45)	41	0	401	0	445 (54)	8 (1)	523
162 Lake (35)	0	0	0 (0)	137	0	0	137 (14)	0	0	832	0	832 (50)	0 (0)	739
163 Marion (33)	0	0	0 (0)	75	0	0	75 (22)	0	0	270	0	270 (78)	0 (0)	248
164 Martin (83)	0	0	0 (0)	482	0	0	482 (28)	22	0	129	0	150 (23)	4 (1)	549
165 Monroe (0)	0	0	0 (0)	0	0	0	0 (0)	0	0	0	0	0 (0)	0 (0)	0
166 Nassau (83)	0	240	240 (30)	11	0	0	14 (2)	7	0	450	80	530 (54)	28 (3)	630

Abbreviations: Upland, Unpopulated; Est., Estimated; NA, Not Available.
 * Non-tidal wetlands are within ECA boundaries.
 1. Upland parentheses represent the percent of county wetland surveyed by NOAA. Areas with less than 100 percent coverage may not be completely accurate. See U.S. Fish and Wildlife Service.
 2. Upland parentheses represent the percent of total county wetlands protected by NOAA.

Coastal wetlands by county (Acres X 100)

State/County	Salt Marsh			Fresh Marsh			Forested and Scrub-Shrub				Tidal Flats		Total	
	Brackish	Unrep.	Subtotal ^a	Net Total	Total	Unrep.	Subtotal ^a	Est.	New		Subtotal ^b			
									Fresh	Total				Total
FLORIDA (cont.)														
117 Okeechobee (48)	0	0	0 (0)	289	0	0	289 (62)	1	0	170	0	170 (37)	0 (0)	460
118 Orange (76)	0	0	0 (0)	230	0	0	230 (24)	1	0	727	0	727 (76)	0 (0)	962
119 Osceola (56)	0	0	0 (0)	429	0	0	429 (33)	1	0	990	0	990 (87)	0 (0)	1,298
120 Palm Beach (88)	0	0	0 (0)	2,380	0	0	2,380 (62)	1	0	1,451	0	1,451 (38)	0 (0)	3,832
121 Putnam (96)	0	0	0 (0)	198	0	0	198 (16)	0	0	674	0	674 (62)	0 (0)	1,069
122 St. Johns (103)	0	169	169 (15)	89	1	0	90 (5)	12	0	1,128	1	1,140 (82)	27 (2)	1,425
123 St. Lucie (91)	0	71	71 (6)	374	1	0	374 (57)	49	0	127	1	127 (24)	1 (1)	477
124 Seminole (100)	0	0	0 (0)	158	0	0	158 (20)	0	0	378	0	378 (70)	0 (0)	534
125 Union	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
126 Volusia (92)	0	27	27 (1)	413	1	0	414 (18)	72	0	1,826	1	1,828 (82)	19 (1)	2,344
Subtotal	0	1,960	1,960 (4)	10,868	61	1	10,930 (82)	669	1	14,264	198	14,462 (88)	181 (1)	27,264
South Atlantic Total	0 (0)	6,220	6,242 (11)	12,275	627	187	12,462 (81)	1,534	7,273	48,146	1,980	50,126 (71)	1,016 (1)	62,565

Abbreviations: Unrep., Unrepresented; Est., Estimate; NA, Not Available
^a Values in parentheses represent the percent of county area sampled by NOAA. Areas with less than 10% 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.