

APPENDIX 14.
Fish and Wildlife Research Institute Fish Species List

Table 1. Numbers of each species collected during sampling by the Fisheries-Independent Monitoring program in the vicinity of the Weedon Island Preserve from 2000-2010. Species are sorted in alphabetical order and some of the species that are of direct recreational and/or commercial importance are shaded. The number in parenthesis (i.e., n=2,011) under the gear description identifies the number of collections made with that gear.

Scientific Name	Common Name	21-m haul seine (n=2,011)	183-m haul seine (n=1,941)	183-m purse seine (n=410)	6.1-m otter trawl (n=812)	9.1-m haul seine (n=1,219)	All Gears (n=6,393)
<i>Acanthostracion quadricornis</i>	Scrawled cowfish	15	26	41	34		116
<i>Achirus lineatus</i>	Lined sole	59	4	3	36	16	118
<i>Adinia xenica</i>	Diamond killifish	50				96	146
<i>Aetobatus narinari</i>	Spotted eagle ray		1	1			2
<i>Alpheidae</i> spp.	Snapping shrimp				1	3	4
<i>Aluterus schoepfii</i>	Orange filefish	1	1		1		3
<i>Anarchopterus criniger</i>	Fringed pipefish	1	1		2		4
<i>Anchoa cubana</i>	Cuban anchovy	119					119
<i>Anchoa hepsetus</i>	Striped anchovy	558			4		562
<i>Anchoa mitchilli</i>	Bay anchovy	27,403			5,433	654	3,3490
<i>Anchoa</i> spp.	Anchovies				1		1
<i>Archosargus probatocephalus</i>	Sheepshead	65	287	11	25	10	398
<i>Ariopsis felis</i>	Hardhead catfish	91	1,030	922	16		2,059
<i>Bagre marinus</i>	Gafftopsail catfish	1	32	106	1		140
<i>Bairdiella chrysoura</i>	Silver perch	1,984	23	160	157	2	2,326
<i>Bathygobius soporator</i>	Frillfin goby	2			1	1	4
<i>Brevoortia</i> spp.	Menhadens	47	1,652				1,699
<i>Calamus arcifrons</i>	Grass porgy	1			2		3
<i>Callinectes sapidus</i>	Blue crab	95	191	38	564	39	927
<i>Callinectes</i> spp.		1					1
<i>Caranx crysos</i>	Blue runner		3	4			7

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<i>Caranx hippos</i>	Crevalle jack		91	9			100
<i>Centropomus undecimalis</i>	Common snook	3	562	3	1	2	571
<i>Centropomus striata</i>	Black sea bass	2			1		3
<i>Chaetodipterus faber</i>	Atlantic spadefish	10	198	6	18	1	233
<i>Chasmodes saburrae</i>	Florida blenny	101	2		61		164
<i>Chilomycterus schoepfii</i>	Striped burrfish	28	59	42	53		182
<i>Chloroscombrus chrysurus</i>	Atlantic bumper	1	16				17
<i>Cynoscion arenarius</i>	Sand seatrout	12	1	5	359		377
<i>Cynoscion nebulosus</i>	Spotted seatrout	730	87	48	74	1	940
<i>Cyprinodon variegatus</i>	Sheepshead minnow	1,516	4			1,545	3,065
<i>Dasyatis americana</i>	Southern stingray		6				6
<i>Dasyatis sabina</i>	Atlantic stingray	11	436	87	74		608
<i>Dasyatis say</i>	Bluntnose stingray	2	40	6	1		49
<i>Echeneis naucrates</i>	Sharksucker		2	2			4
<i>Echeneis neucratoides</i>	Whitefin sharksucker		1	1			3
<i>Elops saurus</i>	Ladyfish		4,795	3,165	1	15	7,976
<i>Euclinostomus gula</i>	Silver jenny	1,481	3,668	48	330	4	5,531
<i>Euclinostomus harengulus</i>	Tidewater mojarra	306	2,712	138	73	53	3,282
<i>Euclinostomus</i> spp.	Euclinostomus	3,386			189	11	3,586
<i>Eugerres plumieri</i>	Striped mojarra	13	83	11		15	122
<i>Farfantepenaeus duorarum</i>	Pink shrimp	960	35	6	446	12	1,459
<i>Floridichthys carpio</i>	Goldspotted killifish	3,654	6		1	605	4,266
<i>Fundulus confluentus</i>	Marsh killifish					90	90
<i>Fundulus grandis</i>	Gulf killifish	137	17			439	593

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<i>Fundulus similis</i>	Longnose killifish	202	13			399	614
<i>Fundulus</i> spp.	Assorted killifish					4	4
<i>Gambusia holbrooki</i>	Eastern mosquito fish					1,518	1,518
<i>Gobiosox strumosus</i>	Skilletfish	2			8		10
<i>Gobiosoma bosc</i>	Naked goby	6			4	22	32
<i>Gobiosoma longipala</i>	Twoscale goby				1		1
<i>Gobiosoma robustum</i>	Code goby	250			227	19	496
<i>Gobiosoma</i> spp.	Gobiosoma gobies	246			156	6	408
<i>Gymnura micrura</i>	Smooth butterfly ray		4	1	5		10
<i>Harengula jaguana</i>	Scaled sardine	3471	9,462	122	3		13,058
<i>Heterandria formosa</i>	Least killifish					1	1
<i>Hippocampus erectus</i>	Lined seahorse	2	1	2	2		7
<i>Hippocampus zosterae</i>	Dwarf seahorse	23			2		25
<i>Hyporhamphus meeki</i>	False silver halfbeak	28	33				61
<i>Hyporhamphus</i> spp.	Halfbeaks	20					20
<i>Hyporhamphus unifasciatus</i>	Halfbeak	11					11
<i>Lagodon rhomboides</i>	Pinfish	3,817	11,016	477	533	169	16,012
<i>Leiostomus xanthurus</i>	Spot	31,536	848	693	867	271	34,215
<i>Lepomis macrochirus</i>	Bluegill					9	9
<i>Lepomis</i> spp.	Sunfishes					2	2
<i>Limulus polyphemus</i>	Horseshoe crab	13	33	5	67		118
<i>Lucania parva</i>	Rainwater killifish	9,442			9	4,849	14,300
<i>Lutjanus griseus</i>	Gray snapper	5	20	1	2		28
<i>Lutjanus synagris</i>	Lane snapper	3					3

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<i>Membras martinica</i>	Rough silverside	136					136
<i>Menidia</i> spp.	Menidia silversides	11,693				6,761	18,454
<i>Menippe</i> spp.	Stone crab	2	1		10		13
<i>Menticirrhus americanus</i>	Southern kingfish	10	2	11	127		150
<i>Menticirrhus saxatilis</i>	Northern kingfish	2			1		3
<i>Menticirrhus</i> spp.	Kingfishes	1					1
<i>Microgobius gulosus</i>	Clown goby	2,844			111	115	3,070
<i>Microgobius thalassinus</i>	Green goby	2			2		4
<i>Micropogonias undulatus</i>	Atlantic croaker				4		4
<i>Micropterus salmoides</i>	Largemouth bass					4	4
<i>Mugil cephalus</i>	Striped mullet	534	1,002	1		1,739	3,276
<i>Mugil curema</i>	White mullet	23	441	110		1	575
<i>Mugil gyrans</i>	Fantail mullet	4	475			7	486
<i>Mugil</i> spp.	Mulletts					10	10
<i>Mycteroperca microlepis</i>	Gag		1				1
<i>Ogcocephalus cubifrons</i>	Polka-dot batfish				1		1
<i>Oligoplites saurus</i>	Leatherjacket	157	47	7		23	234
<i>Opisthonema oglinum</i>	Atlantic thread herring	42	162	286			490
<i>Opsanus beta</i>	Gulf toadfish	12	10	3	35	5	65
<i>Oreochromis aureus</i>	Blue tilapia					1	1
<i>Oreochromis/Sarotherodon</i> spp.	Tilapias	2	13			99	114
<i>Orthopristis chrysoptera</i>	Pigfish	710	118	12	42		882
<i>Palaemonetes intermedius</i>	Brackish grass shrimp					673	673
<i>Palaemonetes pugio</i>	Daggerblade grass shrimp					50,491	50,491

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<i>Palaeomonetes</i> spp.	Grass shrimp					137	137
<i>Paralichthys albigutta</i>	Gulf flounder	20	66	11	64		161
<i>Poecilila latipinna</i>	Sailfin molly	93				1,103	1,196
<i>Pogonias cromis</i>	Black drum		18	1			19
<i>Portunus</i> spp.	Portunus crabs	3	1		9		13
<i>Prionotus scitulus</i>	Leopard searobin	27	14	10	69		120
<i>Prionotus tribulus</i>	Bighead searobin	7	7	1	33		48
<i>Rachycentron canadum</i>	Cobia		2				2
<i>Rhinobatos lentiginosus</i>	Atlantic guitarfish		4	3	1		8
<i>Rhinoptera bonasus</i>	Cownose ray	5	638	206	2		851
<i>Sardinella aurita</i>	Spanish sardine		1				1
<i>Sarotherodon melanoheron</i>	Blackchin tilapia		2			5	7
<i>Sciaenops ocellatus</i>	Red drum	233	176		22	36	467
<i>Scomberomorus maculatus</i>	Spanish mackerel		9	14			23
<i>Selene vomer</i>	Lookdown	1	5		1		7
<i>Sphoeroides nephelus</i>	Southern puffer	83	88	5	12		188
<i>Sphyrna tiburo</i>	Bonnethead		11				11
<i>Stephanolepis hispidus</i>	Planehead filefish	2	1	1	2		6
<i>Strongylura marina</i>	Atlantic needlefish	4	14				18
<i>Strongylura notata</i>	Redfin needlefish	206	1,159			7	1,372
<i>Strongylura</i> spp.	Needlefishes	1					1
<i>Strongylura timucu</i>	Timucu	3	5				8
<i>Symphurus plagiusa</i>	Blackcheek tonguefish	9		2	45		56
<i>Syngnathus floridae</i>	Dusky pipefish	22			1		23

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<i>Syngnathus louisianae</i>	Chain pipefish	103			34		137
<i>Syngnathus scovelli</i>	Gulf pipefish	726		1	87	3	817
<i>Synodus foetens</i>	Inshore lizardfish	176	39	6	53		274
<i>Trachinotus carolinus</i>	Florida pompano		2	1			3
<i>Trachinotus falcatus</i>	Permit		11				11
<i>Trinectes maculatus</i>	Hogchoker	6	2	5	22	89	124
<i>Urophycis floridana</i>	Southern hake				1		1
Total		109,827	42,049	6,861	10,638	72,192	241,567