

## **APPENDIX 13**

### **Shell Key Preserve Species Lists**

# Shell Key Preserve Plant List (as of 02/02/2017)

Scientific Name	Common Name(s)	Family	Nativity	Endemism	<sup>1</sup> FDA&CS Rank	<sup>2</sup> FLEPPC	<sup>3</sup> Govt Exotic	FNAI State Rank
<i>Acrostichum</i> sp.	leather fern	Pteridaceae	Native					
<i>Ambrosia artemisiifolia</i>	common ragweed	Asteraceae	Native					
<i>Andropogon glomeratus</i> var. <i>pumilus</i>	bushy bluestem sand atriplex, seabeach orach, crested saltbush	Poaceae	Native					
<i>Atriplex cristata</i>	black mangrove	Amaranthaceae	Native					
<i>Avicennia germinans</i>	salt bush, groundsel tree, seamytle	Avicenniaceae	Native					
<i>Baccharis halimifolia</i>	saltwort, turtleweed	Asteraceae	Native					
<i>Batis maritima</i>	Spanish needles, beggerticks, Romerillo	Bataceae	Native					
<i>Bidens alba</i>	marsh samphire, silverhead, samphire	Asteraceae	Native					
<i>Butaparon vermiculare</i>	red spiderling, wineflower	Amaranthaceae	Native					
<i>Boerhavia diffusa</i>	sea oxeye, sea daisies, bushy seaside oxeye	Nyctaginaceae	Native					
<i>Borrchia frutescens</i>	American bluehearts	Asteraceae	Native					
<i>Buchnera americana</i>	gray nickerbean, gray nicker	Orobanchaceae	Native					
<i>Caesalpinia bonduc</i>	yellow nicker	Fabaceae	Native					
<i>Caesalpinia crista</i>	coastal searocket	Fabaceae	Non-native					
<i>Casuarina equisetifolia</i>	Australian-pine, horsetail casuarina	Brassicaceae	Native					
<i>Cenchrus spinifex</i>	coast sandbur, coastal sandspur	Casuarinaceae	Non-native					
<i>Chamaecrista nictitans</i> var. <i>aspera</i>	sensitive pea	Poaceae	Native					
<i>Chamaesyce curmulicola</i>	coastal dune sandmat, sanddune spurge	Fabaceae	Native					
<i>Chamaesyce hyssopifolia</i>	hyssopleaf sandmat	Fabaceae	Native	Endemic	E			S2
<i>Chamaesyce mesembrianthemifolia</i>	seaside spurge, woody spurge, coastal beach sandmat	Fabaceae	Native					
<i>Chrysopsis</i> sp.	goldenaster	Euphorbiaceae	Native					
<i>Citrullus lanatus</i>	watermelon	Asteraceae	Unknown	Unknown	UK			
<i>Coccoloba uvifera</i>	seagrape, seasidegrape	Cucurbitaceae	Non-native					
<i>Commelina erecta</i>	witernmouth dayflower	Polygonaceae	Native					
<i>Conocarpus erectus</i>	buttonwood, buton mangrove	Commelinaceae	Native					

## Shell Key Preserve Plant List (as of 02/10/2017)

Scientific Name	Common Name(s)	Family	Nativity	Endemism	<sup>1</sup> FDA&CS Rank	<sup>2</sup> FLEPPC	<sup>3</sup> Govt Exotic	FNAI State Rank
<i>Conyza canadensis</i>	Canadian horseweed	Asteraceae	Native					
<i>Croton punctatus</i>	beach tea, gulf croton	Euphorbiaceae	Native					
<i>Cucumis melo</i>	cantalope	Cucurbitaceae	Non-native					
<i>Cupaniopsis anacardioides</i>	carrotwood	Sapindaceae	Non-native			I	N	
<i>Cynanchum angustifolium</i>	coastal cynanchum, gulf coast swallowwort	Apocynaceae	Native					
<i>Cyperus croceus</i>	Baldwin's flatsedge	Poaceae	Native					
<i>Cyperus polystachyos</i>	Nuttall's cyperus, many-spike flatsedge	Cyperaceae	Native					
<i>Dactyloctenium aegyptium</i>	Durban crowfootgrass	Poaceae	Non-native					
<i>Dalbergia ecastaphyllum</i>	coinvine	Fabaceae	Native					
<i>Dichondra carolinensis</i>	Carolina ponyfoot	Convolvulaceae	Native					
<i>Digitaria filiformis</i>	slender crabgrass, shaggy crabgrass	Poaceae	Native					
<i>Distichlis spicata</i>	saltgrass, seashore saltgrass	Poaceae	Native					
<i>Dodonaea viscosa</i>	varnishleaf, Florida hopbush	Sapindaceae	Native					
<i>Emilia fosbergii</i>	Florida tasselflower	Asteraceae	Non-native					
<i>Erechtites hieracifolius</i>	fireweed, American burrweed	Asteraceae	Native					
<i>Eustachys petraea</i>	finger grass, 5-Stem, pinewoods fingergrass	Poaceae	Native					
<i>Eustoma exaltatum</i>	catchfly prairie-gentian, marshgentian	Gentianaceae	Native					
<i>Fimbristylis cymosa</i>	spike rush, hurricanegrass	Cyperaceae	Native					
<i>Fimbristylis spadiacea</i>	salt marsh fimbriistylis, marsh fimbry	Cyperaceae	Native					
<i>Flaveria linearis</i>	narrowleaf yellowtops	Asteraceae	Native					
<i>Forestiera segregata</i>	Florida swampprivet	Oleaceae	Native					
<i>Gallardia pulchella</i>	firewheel, gallardia, blanketflower	Asteraceae	Native					
<i>Galactia regularis</i>	eastern milkpea	Fabaceae	Native					
<i>Gaura angustifolia</i>	southern gaura, southern bleeblossom	Onagraceae	Native					
<i>Goniphrena serrata</i>	globe amaranth, arrasa con todo	Amaranthaceae	Non-native					
<i>Helianthus debilis</i> subsp. <i>vestitus</i>	beach sunflower, dune sunflower, west coast dune sunflower	Asteraceae	Native	Endemic				S2
<i>Heliotropium angiospermum</i>	scorpionstail	Boraginaceae	Native					

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<i>Heliotropium curassavicum</i>	seaside heliotrope, salt heliotrope	Boraginaceae	Native					
<i>Heliotropium polyphyllum</i>	pineland heliotrope	Boraginaceae	Native					
<i>Heterotheca subaxillaris</i>	camphorweed	Asteraceae	Native					
<i>Imperata cylindrica</i>	cogon grass	Poaceae	Non-native			I		
<i>Ipomoea imperati</i>	beach morning-glory	Convolvulaceae	Native				N, U	
<i>Ipomoea pes-caprae</i> subsp. <i>brasiliensis</i>	railroad-vine, baytops	Convolvulaceae	Native					
<i>Iva frutescens</i>	marsh-elder, bigleaf marsh-elder, bigleaf sumpweed	Asteraceae	Native					
<i>Iva imbricata</i>	beach elder, seacoast marshelder	Asteraceae	Native					
<i>Juniperus virginiana</i>	red cedar	Cupressaceae	Native					
<i>Laguncularia racemosa</i>	white mangrove	Combretaceae	Native					
<i>Lantana involucrata</i>	lantana, wild sage, buttonsage	Verbenaceae	Native					
<i>Limonium carolinianum</i>	sealavender, Carolina sealavender	Plumbaginaceae	Native					
<i>Lycium carolinianum</i>	Christmasberry	Solanaceae	Native					
<i>Momordica charantia</i>	balsampear	Cucurbitaceae	Non-native			II		
<i>Oenothera humifusa</i>	beach eveningprimrose	Onagraceae	Native					
<i>Opuntia humifusa</i>	pricklypear	Cactaceae	Native					
<i>Opuntia stricta</i>	erect pricklypear, shell-mound pricklypear	Cactaceae	Native					
<i>Panicum amarum</i>	bitter panicum, beachgrass, bitter panicgrass	Poaceae	Native					
<i>Paspalum distichum</i>	creeping grass, knotgrass	Poaceae	Native					
<i>Paspalum laeve</i>	field paspalum	Poaceae	Native					
<i>Paspalum setaceum</i>	thin paspalum	Poaceae	Native					
<i>Paspalum vaginatum</i>	salt joint grass, seashore paspalum, seashore crowngrass	Poaceae	Native					
<i>Passiflora suberosa</i>	corky-stem passionflower	Passifloraceae	Native					
<i>Phyla nodiflora</i>	turkey tangle fogruit, capeweed	Verbenaceae	Native					
<i>Phyllanthus abnormalis</i>	Drummond's leafflower	Euphorbiaceae	Native					
<i>Physalis</i> sp.	groundcherry	Solanaceae	Native					
<i>Physalis walteri</i>	Walter's groundcherry	Solanaceae	Native					

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<i>Phytolacca americana</i>	pokeberry, American pokeweed	Phytolaccaceae	Native					
<i>Pinus palustris</i>	longleaf pine	Pinaceae	Native					
<i>Pluchea odorata</i>	sweetleaf	Asteraceae	Native					
<i>Poinsettia cyathophora</i>	paintedleaf, wild poinsettia, fire-on-the-mountain	Euphorbiaceae	Native					
<i>Poinsettia heterophylla</i>	fiddler's spurge, Mexican fireplant	Euphorbiaceae	Native				N	
<i>Polygala polygama</i>	racemed milkwort	Polygalaceae	Native					
<i>Polygala violacea</i>	showy milkwort	Polygalaceae	Native					
<i>Polypremum procumbens</i>	rusweed, juniperleaf	Tetrachondraceae	Native					
<i>Portulaca pilosa</i>	pink purslane, kiss-me-quick	Portulacaceae	Native					
<i>Quercus virginiana</i>	live oak	Fagaceae	Native					
<i>Rhizophora mangle</i>	red mangrove	Rhizophoraceae	Native					
<i>Sabal palmetto</i>	cabbage palm	Arecaceae	Native					
<i>Samolus ebracteatus</i>	water pimpernel, limewater brookweed	Primulaceae	Native					
<i>Sarcocornia perennis</i>	perennial glasswort, Virginia glasswort	Amaranthaceae	Native					
<i>Scaevola plumieri</i>	inkberry, beachberry, Plumier's half-	Goodeniaceae	Native		T			
<i>Scaevola taccada</i> var. <i>sericea</i>	half-flower, beach naupaka	Goodeniaceae	Non-native					
<i>Schinus terebinthifolius</i>	Brazilian pepper	Anacardiaceae	Non-native					
<i>Scoparia dulcis</i>	sweetbroom, licoriceweed	Veronicaceae	Native					
<i>Sesuvium portulacastrum</i>	sea-purslane, sea pickle, shoreline sea-purslane	Aizoaceae	Native					
<i>Solidago sempervirens</i>	seaside goldenrod	Asteraceae	Native					
<i>Spartina alterniflora</i>	smooth cordgrass, saltmarsh chordgrass, saltwater chordgrass	Poaceae	Native					
<i>Spartina alterniflora</i>	marshay cordgrass, saltmeadow chordgrass	Poaceae	Native					
<i>Spartina patens</i>	Virginia dropseed, seashore dropseed	Poaceae	Native					
<i>Sporobolus virginicus</i>	sea bibe, annual seepweed	Poaceae	Native					
<i>Suaeda linearis</i>	sea bibe, annual seepweed	Amaranthaceae	Native					
<i>Symphycarichum tenuifolium</i>	perennial saltmarsh aster	Asteraceae	Native					
<i>Triplasis americana</i>	perennial sandgrass	Poaceae	Native					
<i>Uniola paniculata</i>	sea oats	Poaceae	Native					

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<i>Yucca aloifolia</i>	Spanish bayonet, aloe yucca	Agavaceae	Native					
<sup>1</sup> Florida Department of Agriculture and Consumer Services - Notes on Florida's Endangered and Threatened Plants - 4th Ed. - 2003 E = endangered      T = threatened      CE = commercially exploited      UK=Unknown								
<sup>2</sup> Florida Exotic Pest Plant Council - 2007 I = Category I, species that are invading and disrupting native plant communities II = Category II, species that have shown a potential to disrupt native plant communities								
<sup>3</sup> Government Rank P = prohibited by FL Dept Env. Protection - 1993 N = Noxious weed as listed by the FL Dept. of Agriculture & Consumer Services - 2006 U = Noxious weed listed by U.S. Department of Agriculture								

## Shell Key Preserve Bird List

Scientific Name <sup>a</sup>	Common Name <sup>a</sup>	FNAI State Rank <sup>b</sup>	Federal Rank <sup>c</sup>	State Rank <sup>d</sup>
<i>Accipiter cooperii</i>	Cooper's Hawk			
<i>Accipiter striatus</i>	Sharp-shinned Hawk			
<i>Actitis macularius</i>	Spotted Sandpiper			
<i>Agelaius phoeniceus</i>	Red-winged Blackbird			
<i>Ammodramus caudacutus</i>	Saltmarsh Sparrow			
<i>Ammodramus nelsoni</i>	Nelson's Sharp-tailed Sparrow			
<i>Anas clypeata</i>	Northern Shoveler			
<i>Anas discors</i>	Blue-winged Teal			
<i>Anas fulvigula</i>	Mottled Duck			
<i>Anas platyrhynchos</i>	Mallard			
<i>Anas strepera</i>	Gadwall			
<i>Anhinga anhinga</i>	Anhinga			
<i>Ardea alba</i>	Great Egret.			
<i>Ardea herodias</i>	Great Blue Heron			
<i>Arenaria interpres</i>	Ruddy Turnstone			
<i>Asio flammeus</i>	Short-eared Owl			
<i>Aythya americana</i>	Redhead			
<i>Bombycilla cedrorum</i>	Cedar Waxwing			
<i>Botaurus lentiginosus</i>	American Bittern			
<i>Bubulcus ibis</i>	Cattle Egret			
<i>Bufo jamaicensis</i>	Red-tailed Hawk			
<i>Butorides virescens</i>	Green Heron			
<i>Calidris alba</i>	Sanderling			
<i>Calidris alpina</i>	Dunlin			
<i>Calidris canutus</i>	Red Knot	S2N	T	FT
<i>Calidris fuscicollis</i>	White-rumped sandpiper			
<i>Calidris himantopus</i>	Stilt Sandpiper			
<i>Calidris mauri</i>	Western Sandpiper			
<i>Calidris melanotos</i>	Pectoral Sandpiper			
<i>Calidris minutilla</i>	Least Sandpiper			
<i>Calidris pusilla</i>	Semipalmated Sandpiper			
<i>Caprimulgus carolinensis</i>	Chuck-will's-widow			
<i>Cardinalis cardinalis</i>	Northern Cardinal			
<i>Carduelis tristis</i>	American Goldfinch			
<i>Cathartes aura</i>	Turkey Vulture			
<i>Catharus ustulatus</i>	Swainson's Thrush			
<i>Charadrius melodus</i>	Piping Plover	S2	T	FT
<i>Charadrius nivosus</i>	Snowy Plover	S1		ST
<i>Charadrius semipalmatus</i>	Semipalmated Plover			
<i>Charadrius vociferus</i>	Killdeer			
<i>Charadrius wilsonia</i>	Wilson's Plover	S2		
<i>Chlidonias niger</i>	Black Tern			
<i>Circus cyaneus</i>	Northern Harrier			
<i>Cistothorus palustris</i>	Marsh Wren			
<i>Cistothorus platensis</i>	Sedge Wren			
<i>Coccyzus americanus</i>	Yellow-billed Cuckoo			
<i>Columba livia</i>	Rock Pigeon			
<i>Columbina passerina</i>	Common Ground-Dove			

## Shell Key Preserve Bird List

Scientific Name <sup>a</sup>	Common Name <sup>a</sup>	FNAI State Rank <sup>b</sup>	Federal Rank <sup>c</sup>	State Rank <sup>d</sup>
<i>Contopus virens</i>	Eastern Wood-Pewee			
<i>Coragyps atratus</i>	Black Vulture			
<i>Corvus brachyrhynchos</i>	American Crow			
<i>Corvus ossifragus</i>	Fish Crow			
<i>Dendroica caerulescens</i>	Black-throated Blue Warbler			
<i>Dendroica coronata</i>	Yellow-rumped Warbler			
<i>Dendroica discolor</i>	Prairie Warbler			
<i>Dendroica fusca</i>	Blackburnian Warbler			
<i>Dendroica magnolia</i>	Magnolia Warbler			
<i>Dendroica palmarum</i>	Palm Warbler			
<i>Dendroica petechia</i>	Yellow Warbler			
<i>Dendroica striata</i>	Blackpoll Warbler			
<i>Dolichonyx oryzivorus</i>	Bobolink			
<i>Dryocopus pileatus</i>	Pileated Woodpecker			
<i>Dumetella carolinensis</i>	Gray Catbird			
<i>Egretta caerulea</i>	Little Blue Heron	S4		ST
<i>Egretta rufescens</i>	Reddish Egret	S2		ST
<i>Egretta thula</i>	Snowy Egret.	S3		
<i>Egretta tricolor</i>	Tricolored Heron	S4		ST
<i>Eudocimus albus</i>	White Ibis	S4		
<i>Falco columbarius</i>	Merlin	S2		
<i>Falco peregrinus</i>	Peregrine Falcon	S2		
<i>Falco sparverius</i>	American Kestrel	S2		ST
<i>Fregata magnificens</i>	Magnificent Frigatebird	S1		
<i>Fulica americana</i>	American Coot			
<i>Gallinago delicata</i>	Common Snipe			
<i>Gallinula galeata</i>	Common moorhen			
<i>Gavia immer</i>	Common Loon			
<i>Gelochelidon nilotica</i>	Gull-billed Tern	S2		
<i>Geothlypis trichas</i>	Common Yellowthroat			
<i>Haematopus palliatus</i>	American Oystercatcher	S2		T
<i>Haliaeetus leucocephalus</i>	Bald Eagle	S3		
<i>Himantopus mexicanus</i>	Black-necked Stilt			
<i>Hirundo rustica</i>	Barn Swallow			
<i>Hydroprogne caspia</i>	Caspian Tern	S2		
<i>Lanius ludovicianus</i>	Loggerhead Shrike			
<i>Larus argentatus</i>	Herring Gull			
<i>Larus atricilla</i>	Laughing Gull			
<i>Larus delawarensis</i>	Ring-billed Gull			
<i>Larus fuscus</i>	Lesser Black-backed Gull			
<i>Larus marinus</i>	Great Black-backed Gull			
<i>Larus philadelphia</i>	Bonaparte's Gull			
<i>Limnodromus griseus</i>	Short-billed Dowitcher			
<i>Limosa fedoa</i>	Marbled Godwit			
<i>Megaceryle alcyon</i>	Belted Kingfisher			
<i>Melanitta fusca</i>	White-winged Scoter			
<i>Melospiza georgiana</i>	Swamp Sparrow			
<i>Mergus serrator</i>	Red-breasted Merganser			



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Scientific Name <sup>a</sup>	Common Name <sup>a</sup>	FNAI State Rank <sup>b</sup>	Federal Rank <sup>c</sup>	State Rank <sup>d</sup>
<i>Mimus polyglottos</i>	Northern Mockingbird			
<i>Molothrus ater</i>	Brown-headed Cowbird			
<i>Morus bassanus</i>	Northern Gannet			
<i>Mycteria americana</i>	Wood Stork	S2	T	FT
<i>Myiopsitta monachus</i>	Monk Parakeet			
<i>Numenius americanus</i>	Long-billed Curlew			
<i>Numenius phaeopus</i>	Whimbrel			
<i>Nyctanassa violacea</i>	Yellow-crowned Night-Heron	S3		
<i>Nycticorax nycticorax</i>	Black-crowned Night-Heron	S3		
<i>Pandion haliaetus</i>	Osprey	S3S4		SSC
<i>Parkesia motacilla</i>	Louisiana Waterthrush	S2		
<i>Parula americana</i>	Northern Parula			
<i>Passer domesticus</i>	House Sparrow			
<i>Passerculus sandwichensis</i>	Savannah Sparrow			
<i>Pelecanus erythrorhynchos</i>	American White Pelican			
<i>Pelecanus occidentalis</i>	Brown Pelican			
<i>Petrochelidon pyrrhonota</i>	Cliff Swallow			
<i>Phalacrocorax auritus</i>	Double-crested Cormorant			
<i>Phalaropus tricolor</i>	Wilson's Phalarope			
<i>Piranga rubra</i>	Summer Tanager			
<i>Platalea ajaja</i>	Roseate Spoonbill	S2		ST
<i>Pluvialis dominica</i>	European Golden-Plover			
<i>Pluvialis squatarola</i>	Black-bellied Plover			
<i>Podiceps auritus</i>	Horned Grebe			
<i>Podilymbus podiceps</i>	Pied-billed grebe			
<i>Polioptila caerulea</i>	Blue-gray Gnatcatcher			
<i>Progne subis</i>	Purple Martin			
<i>Puffinus griseus</i>	Sooty Shearwater			
<i>Quiscalus major</i>	Boat-tailed Grackle			
<i>Rallus longirostris</i>	Clapper Rail	S3		
<i>Recurvirostra americana</i>	American Avocet	S2		
<i>Riparia riparia</i>	Bank Swallow			
<i>Rynchops niger</i>	Black Skimmer	S3		ST
<i>Sayornis phoebe</i>	Eastern Phoebe			
<i>Setophaga ruticilla</i>	American Redstart	S2		
<i>Spizella passerina</i>	Chipping Sparrow			
<i>Stelgidopteryx serripennis</i>	Northern Rough-winged Swallow			
<i>Sterna forsteri</i>	Forster's Tern			
<i>Sterna hirundo</i>	Common Tern			
<i>Sternula antillarum</i>	Least Tern	S3		ST
<i>Streptopelia decaocto</i>	Eurasian Collared-Dove			
<i>Sturnella magna</i>	Eastern Meadowlark			
<i>Tachycineta bicolor</i>	Tree Swallow			
<i>Thalasseus maximus</i>	Royal Tern	S3		
<i>Thalasseus sandvicensis</i>	Sandwich Tern	S2		
<i>Thryothorus ludovicianus</i>	Carolina Wren			
<i>Tringa flavipes</i>	Lesser Yellowlegs			
<i>Tringa melanoleuca</i>	Greater Yellowlegs			

## Shell Key Preserve Bird List

Scientific Name <sup>a</sup>	Common Name <sup>a</sup>	FNAI State Rank <sup>b</sup>	Federal Rank <sup>c</sup>	State Rank <sup>d</sup>
<i>Tringa semipalmata</i>	Willet			
<i>Tringa solitaria</i>	Solitary sandpiper			
<i>Troglodytes aedon</i>	House Wren			
<i>Turdus migratorius</i>	American Robin			
<i>Tyrannus dominicensis</i>	Gray Kingbird			
<i>Vermivora celata</i>	Orange-crowned Warbler			
<i>Vermivora peregrina</i>	Tennessee Warbler			
<i>Vireo griseus</i>	White-eyed Vireo			
<i>Vireo olivaceus</i>	Red-eyed Vireo			
<i>Vireo solitarius</i>	Blue-headed Vireo			
<i>Wilsonia citrina</i>	Hooded Warbler			
<i>Zenaidura macroura</i>	Mourning Dove			

<sup>a</sup> Nomenclature follows American Ornithologists' Union Check-list of North American Birds, Seventh Edition

<sup>b</sup> Florida Natural Areas Inventory - <http://www.fnai.org/trackinglist.cfm> (February 2017)

S1 - Critically imperiled in Florida because of extreme rarity (5 or fewer occurrences or less than 1000 individuals) or because of vulnerability to extinction due to some natural or man-made factor.

S2 - Imperiled in Florida because of rarity (6 to 20 occurrences or less than 3000 individuals) or because of vulnerability to extinction due to some natural or man-made factor.

S3 - Either very rare and local in Florida (21-100 occurrences or less than 10,000 individuals) or found locally in a restricted range to extinction from other factors.

S4 - Apparently secure in Florida (may be rare in parts of range).

<sup>c</sup> Federal Rank - <http://www.fws.gov/endangered>

E - Endangered

T - Threatened

T(S/A) - Threatened due to similarity of appearance to a species which is federally listed and enforcement has difficulty differentiating listed and unlisted spp.

<sup>d</sup> State Rank - <http://myfwc.com/media/1515251/threatened-endangered-species.pdf> (January 2017)

E - Endangered

T - Threatened

FT - Listed as Threatened Species at the Federal level by the U. S. Fish and Wildlife Service

ST - State population listed as Threatened by the FFWCC. Defined as a species, subspecies, or isolated population which is acute to environmental alteration, declining in number at a rapid rate, or whose range or habitat is decreasing in area at a rapid rate and as a consequence is destined or very likely to become an endangered species within the foreseeable future.

SSC - Species of Special Concern

## Shell Key Preserve Amphibian and Reptile List

Scientific Name <sup>a</sup>	Common Name <sup>a</sup>	FNAI State Rank <sup>b</sup>	Federal Rank <sup>c</sup>	State Rank <sup>d</sup>
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*Anolis sagrei* brown anole (exotic)  
Gecko (exotic)

### Turtles and Tortoises

*Caretta caretta* loggerhead sea turtle S3 T FT  
*Chelonia mydas* green sea turtle S2 T FT  
*Malaclemys terrapin* diamond-backed terrapin

### Snakes - nonvenomous

*Coluber constrictor priapus* Southern black racer  
*Elaphe obsoleta quadrivittata* yellow ratsnake, chicken snake  
*Nerodia clarkii* saltmarsh snake S2

### Snakes - venomous

<sup>a</sup> Nomenclature follows the The Society for the Study of Amphibians and Reptiles Scientific and Standard English Names of Amphibians and Reptiles of North American North of Mexico, with Comments Regarding Confidence in Our Understanding (SSAR Circular Number 29; 2001) - <http://www.herpilt.com/SSAR/circulars/HCC29/Crother.html>

<sup>b</sup> Florida Natural Areas Inventory - <http://www.fnai.org/trackinglist.cfm> (February 2017)  
some natural or man-made factor.

S2 - Imperiled in Florida because of rarity (6 to 20 occurrences or less than 3000 individuals) or because of vulnerability to extinction due to some natural or man-made factor.

S3 - Either very rare and local in Florida (21-100 occurrences or less than 10,000 individuals) or found locally in a restricted range or vulnerable to extinction from other factors.

S4 - Apparently secure in Florida (may be rare in parts of range).

<sup>c</sup> Federal Rank - <http://www.fws.gov/endangered>

E - Endangered

T - Threatened

SAT - Threatened due to similarity of appearance to a species which is federally listed and enforcement has difficulty differentiating between listed and unlisted spp.

<sup>d</sup> State Rank <http://myfwc.com/media/1515251/threatened-endangered-species.pdf> (January 2017)

E - Endangered

T - Threatened

FT - Listed as Threatened Species at the Federal level by the U. S. Fish and Wildlife Service

SSC - Species of Special Concern

Updated 8/24/2007 SH, DS, ACS

Updated 26 Nov 2008 DS

Updated by D. Stillwaugh 10 Apr 2009 - Federal & State Ranks updated

Updated by D. Stillwaugh 1 May 2009 - db terrapin sighting

Last Updated by D. Stillwaugh 15 May 2009 - added saltmarsh snake sighting

## Shell Key Preserve Lepidoptera List

Scientific Name <sup>a</sup>	Common Name	FNAI State Rank <sup>b</sup>	Federal Rank <sup>c</sup>	State Rank <sup>d</sup>
<b>Butterflies</b>				
<i>Battus polydamas</i>	Polydamas Swallowtail			
<i>Eurytides marcellus</i>	Zebra Swallowtail			
<i>Papilio polyxenes</i>	Black Swallowtail			
<i>Papilio cresphortes</i>	Giant Swallowtail			
<i>Papilio glaucus</i>	Eastern Tiger Swallowtail			
<i>Pontia protodice</i>	Checkered White			
<i>Ascia monuste</i> *	Great Southern White			
<i>Phoebis sennae</i>	Cloudless Sulphur			
<i>Phoebis philea</i>	Orange-barred Sulphur			
<i>Eurema daira</i>	Barred Yellow			
<i>Parthasius m-album</i>	White M Hairstreak			
<i>Stymon melinus</i> *	Gray Hairstreak			
<i>Brephidium isoptalma</i> *	Eastern Pygmy Blue			
<i>Hemiarctus cerannus</i>	Cerannus Blue			
<i>Agraulis vanillae</i>	Gulf Fritillary			
<i>Heliconius charithonia</i>	Zebra Heliconian			
<i>Vanessa virginienensis</i>	American Lady			
<i>Vanessa atalanta</i>	Red Admiral			
<i>Junonia evarete</i> *	Mangrove Buckeye			
<i>Anartia jatrophae</i>	White Peacock			
<i>Danaus plexippus</i>	Monarch			
<i>Danaus gilippus</i> *	Queen			
<i>Phocides pigmalion</i> *	Mangrove Skipper			
<i>Asbolis capucinus</i>	Monk Skipper			
<i>Panoquina panoquinoides</i> *	Obscure Skipper			
<b>Moths</b>				
<i>Utetheisa ornatix</i>	Bella Moth			
<i>Melantrchia chephise</i>	White-tipped Black Moth			

<sup>a</sup> Scientific names of Butterflies follows Butterflies of North America. 2. Scientific Names List for Butterfly Species of North America, north of Mexico, Paul A. Opler & Andrew D. Warren 2003; Scientific names of Moths follows Arthropods of Florida and Neighboring Land Areas Volume 17, Lepidoptera of Florida, Part 1 Introduction and Catalog, J. B. Heppner 2003.

<sup>b</sup> Florida Natural Areas Inventory - <http://www.fnai.org/trackinglist.cfm> (February 2017)

<sup>c</sup> Federal Rank - <http://www.fws.gov/endangered>

<sup>d</sup> State Rank - <http://myfwc.com/media/1515251/threatened-endangered-species.pdf> (January 2017)

\* Resident - reproduces on island, may be regularly observed throughout the year or may be only observed seasonally

Note - none of these species has any FNAI, Federal or State ranking

## Shell Key Preserve Mammal List

Scientific Name <sup>a</sup>	Common Name <sup>a</sup>	FNAI State Rank <sup>b</sup>	Federal Rank <sup>c</sup>	State Rank <sup>d</sup>
<i>Procyon lotor</i>	Northern raccoon			
<i>Rattus rattus</i>	house rat			
<i>Sylvilagus palustris</i>	marsh rabbit			
<i>Trichechus manatus</i>	West Indian manatee	S2	E	E
<i>Tursiops truncatus</i>	bottlenose dolphin			

<sup>a</sup> Nomenclature follows *Mammal Species of the World* - Third Edition 2005 ; <http://nmmhgoph.si.edu/msw/>

<sup>b</sup> Florida Natural Areas Inventory - <http://www.fnai.org/trackinglist.cfm>

S1 - Critically imperiled in Florida because of extreme rarity (5 or fewer occurrences or less than 1000 individuals) or because of extreme vulnerability to extinction due to some natural or man-made factor.

S2 - Imperiled in Florida because of rarity (6 to 20 occurrences or less than 3000 individuals) or because of vulnerability to extinction due to some natural or man-made factor.

S3 - Either very rare and local in Florida (21-100 occurrences or less than 10,000 individuals) or found locally in a restricted range or vulnerable to extinction from other factors.

S4 - Apparently secure in Florida (may be rare in parts of range).

<sup>c</sup> Federal Rank - <http://www.fws.gov/endangered/wildlife.html#Species>

E - Endangered

T - Threatened

T(S/A) - Threatened due to similarity of appearance to a species which is federally listed and enforcement has difficulty differentiating between listed and unlisted spp.

<sup>d</sup> State Rank - <http://myfwc.com/imperiledspecies/pdf/Endangered-Threatened-Special-Concern-2004.pdf> (29 Jan 2004)

E - Endangered

T - Threatened

SSC - Species of Special Concern

FWC - The number of individuals of each species collected within Shell Key Preserve from 2008-2015, by collection gear.

Scientific Name	Common Name	21.3-m Seine (n=28)	183-m Seine (n=46)	6.1-m Otter Trawl (n=14)	All Gears (N=88)
<i>Acanthostracion quadricornis</i>	Scrawled Cowfish		85	23	108
<i>Achirus lineatus</i>	Lined Sole	4	1	5	10
<i>Adinia xenica</i>	Diamond Killifish	1			1
<i>Aluterus schoepfii</i>	Orange Filefish	2	7		9
<i>Anchoa mitchilli</i>	Bay Anchovy	23		2	25
<i>Ancylosetta quadrocellata</i>	Ocellated Flounder		3	2	5
<i>Archosargus probatocephalus</i>	Sheepshead	2	227	1	230
<i>Argopecten spp.</i>	Scallops			1	1
<i>Ariopsis felis</i>	Hardhead Catfish		51	5	56
<i>Bairdiella chrysoura</i>	Silver Perch	184	603	170	957
<i>Brevoortia spp.</i>	Menhadens		94		94
<i>Calamus arctifrons</i>	Grass Porgy		21		21
<i>Callinectes ornatus</i>	Shelligs	1	1		2
<i>Callinectes sapidus</i>	Blue Crab	17	34	24	75
<i>Caranx crysos</i>	Blue Runner		4		4
<i>Caranx hippos</i>	Crevalle Jack		1		1
<i>Centropomus undecimalis</i>	Common Snook		54		54
<i>Centropristis striata</i>	Black Sea Bass	1	36	6	43
<i>Chaetodipterus faber</i>	Atlantic Spadefish		29		29
<i>Chasmodes saburrae</i>	Florida Blenny	1		1	2
<i>Chilomycterus schoepfii</i>	Striped Burrfish	1	86	51	138
<i>Citharichthys macrops</i>	Spotted Whiff		9		9
<i>Ctenogobius boleosoma</i>	Darter Goby	3			3
<i>Cynoscion arenarius</i>	Sand Seatrout		1		1
<i>Cynoscion nebulosus</i>	Spotted Seatrout	19	35	25	79
<i>Cyprinodon variegatus</i>	Sheepshead Minnow	182	1		183
<i>Dasyatis americana</i>	Southern Stingray		3		3
<i>Dasyatis sabina</i>	Atlantic Stingray		33	1	34
<i>Dasyatis say</i>	Bluntnose Stingray		6		6
<i>Diodon holocanthus</i>	Balloonfish		1		1
<i>Diplectrum formosum</i>	Sand Perch		1	2	3
<i>Diplodus holbrookii</i>	Spottail Pinfish	11	101	22	134
<i>Echeneis neucratoides</i>	Whitefin Sharksucker		1		1
<i>Elops saurus</i>	Ladyfish		124		124
<i>Etropus crossotus</i>	Fringed Flounder	1	1	6	8
<i>Eucinostomus gula</i>	Silver Jenny	150	544	114	808
<i>Eucinostomus harengulus</i>	Tidewater Mojarra	12	126	4	142
<i>Eucinostomus spp.</i>	Eucinostomus	1568		715	2283



<i>Farfantepenaeus duorarum</i>	Pink Shrimp	468	12	202	682
<i>Floridichthys carpio</i>	Goldspotted Killifish	581			581
<i>Fundulus grandis</i>	Gulf Killifish	13			13
<i>Fundulus similis</i>	Longnose Killifish	1	3		4
<i>Gobiosoma robustum</i>	Code Goby	68		10	78
<i>Gobiosoma spp.</i>	Gobiosoma Gobies	15		11	26
<i>Gymnura micrura</i>	Smooth Butterfly Ray		2	2	4
<i>Haemulon aurolineatum</i>	Tomtate			11	11
<i>Haemulon plumierii</i>	White Grunt		55	29	84
<i>Harengula jaguana</i>	Scaled Sardine	476	581		1057
<i>Hippocampus erectus</i>	Lined Seahorse		5	2	7
<i>Hippocampus zosterae</i>	Dwarf Seahorse	15			15
<i>Hypleurochilus caudovittatus</i>	Zebratail Blenny			1	1
<i>Hyporhamphus meeki</i>	False Silver Halfbeak		9		9
<i>Lactophrys trigonus</i>	Trunkfish		1		1
<i>Lagodon rhomboides</i>	Pinfish	5499	8145	1117	14761
<i>Leiostomus xanthurus</i>	Spot	74	223	11	308
<i>Limulus polyphemus</i>	Horseshoe Crab	1	3	5	9
<i>Lucania parva</i>	Rainwater Killifish	1160		4	1164
<i>Lutjanus analis</i>	Mutton Snapper		1		1
<i>Lutjanus griseus</i>	Gray Snapper	7	51	14	72
<i>Lutjanus synagris</i>	Lane Snapper		27	329	356
<i>Menidia spp.</i>	Menidia Silversides	494			494
<i>Menippe spp.</i>	Stone Crab	1	1	21	23
<i>Menticirrhus americanus</i>	Southern Kingfish	1		2	3
<i>Menticirrhus littoralis</i>	Gulf Kingfish	1	4		5
<i>Microgobius gulosus</i>	Clown Goby	45		1	46
<i>Monacanthus ciliatus</i>	Fringed Filefish		27	9	36
<i>Mugil cephalus</i>	Striped Mullet		83		83
<i>Mugil curema</i>	White Mullet		59		59
<i>Mugil trichodon</i>	Fantail Mullet	1	19		20
<i>Mycteroperca microlepis</i>	Gag		45	4	49
<i>Nicholsina usta</i>	Emerald Parrotfish	10	120	37	167
<i>Ocyurus chrysurus</i>	Yellowtail Snapper		1		1
<i>Ogcocephalus cubifrons</i>	Polka-dot Batfish		2	1	3
<i>Oligoplites saurus</i>	Leatherjacket	2	3		5
<i>Opisthonema oglinum</i>	Atlantic Thread Herring		66		66
<i>Opsanus beta</i>	Gulf Toadfish	4	25	10	39
<i>Orthopristis chrysoptera</i>	Pigfish	631	1283	261	2175
<i>Paralichthys albigutta</i>	Gulf Flounder	2	55	22	79
<i>Poecilia latipinna</i>	Sailfin Molly	2			2
<i>Pogonias cromis</i>	Black Drum		4		4
<i>Pomatomus saltatrix</i>	Bluefish		2		2

<i>Portunus spp.</i>	Portunus Crabs	1		12	13
<i>Prionotus scitulus</i>	Leopard Searobin	2	9	14	25
<i>Prionotus tribulus</i>	Bighead Searobin		2	10	12
<i>Rachycentron canadum</i>	Cobia		1		1
<i>Rhinobatos lentiginosus</i>	Atlantic Guitarfish		2		2
<i>Rhinoptera bonasus</i>	Cownose Ray		26		26
<i>Rimapenaeus constrictus</i>	Roughneck Shrimp			1	1
<i>Sardinella aurita</i>	Spanish Sardine	1			1
<i>Sciaenops ocellatus</i>	Red Drum	1	20		21
<i>Scomberomorus maculatus</i>	Spanish Mackerel		2		2
<i>Scorpaena brasiliensis</i>	Barbfish		1	8	9
<i>Selene vomer</i>	Lookdown		4		4
<i>Serraniculus pumilio</i>	Pygmy Sea Bass			1	1
<i>Serranus subligarius</i>	Belted Sandfish		1	3	4
<i>Sphoeroides nephelus</i>	Southern Puffer	3	19	9	31
<i>Sphoeroides spengleri</i>	Bandtail Puffer		2	3	5
<i>Sphyraena barracuda</i>	Great Barracuda		3		3
<i>Sphyraena borealis</i>	Sennet	15			15
<i>Sphyrna tiburo</i>	Bonnethead		5		5
<i>Stephanolepis hispidus</i>	Planehead Filefish	18	162	73	253
<i>Strongylura marina</i>	Atlantic Needlefish		41		41
<i>Strongylura notata</i>	Redfin Needlefish	5	52		57
<i>Strongylura timucu</i>	Timucu		1		1
<i>Symphurus plagiusa</i>	Blackcheek Tonguefish	2		13	15
<i>Syngnathus floridae</i>	Dusky Pipefish	8		36	44
<i>Syngnathus louisianae</i>	Chain Pipefish	5		11	16
<i>Syngnathus scovelli</i>	Gulf Pipefish	50		67	117
<i>Synodus foetens</i>	Inshore Lizardfish	19	56	15	90
<i>Trachinotus carolinus</i>	Florida Pompano		5		5
<i>Trachinotus falcatus</i>	Permit		1		1
<i>Tylosurus crocodilus</i>	Houndfish		1		1
<i>Urophycis floridana</i>	Southern Hake	1			1
<i>Totals:</i>		<i>11886</i>	<i>13657</i>	<i>3572</i>	<i>29115</i>