

Appendix F

Representative Plant and Animal Species, Associated Habitats, and Protected Status, in the Florida Keys Project Area

Table F-1

Representative List of Plant Species for Habitats in the Project Area

Species	Hardwood Hammocks & Forests	Pinelands	Shrub and Brushland	Dry Prairie	Coastal Strand	Hardwood Swamp	Mangrove Swamp	Coastal Salt Marsh	Freshwater Marsh	Wet prairie	Inland Pond	Canals and Ditches	Tidal Flat/Sand Flat	Hardbottom	Seagrass	Coral Reef	Non-Native and/or Invasive Species
<i>Bursera simaruba</i> gumbo-limbo	X																
<i>Carpinus caroliniana</i> ironwood	X																
<i>Coccoloba diversifolia</i> pigeon plum	X																
<i>Conocarpus erectus</i> buttonwood	X						X										
<i>Dipholis salicifolia</i> bustic	X																
<i>Ficus aurea</i> strangler fig	X																
<i>Lysiloma latisiliquum</i> Bahama lysiloma	X																
<i>Mastichodendron foetidissimum</i> mastic	X																
<i>Metolium toxiferum</i> poisonwood	X																
<i>Ocotea coriacea</i> lancewood	X																
<i>Piscidia piscipula</i> Jamaica dogwood	X																
<i>Quercus virginiana</i> live oak	X																
<i>Sabal palmetto</i> cabbage palm	X					X											
<i>Juniperus virginiana</i> eastern red cedar	X																
<i>Ulmus americana</i> var. <i>floridana</i> sp. Florida elm	X																
<i>Acer rubrum</i> red maple	X					X											

Table F-1

Representative List of Plant Species for Habitats in the Project Area

Species	Hardwood Hammocks & Forests	Pinelands	Shrub and Brushland	Dry Prairie	Coastal Strand	Hardwood Swamp	Mangrove Swamp	Coastal Salt Marsh	Freshwater Marsh	Wet prairie	Inland Pond	Canals and Ditches	Tidal Flat/Sand Flat	Hardbottom	Seagrass	Coral Reef	Non-Native and/or Invasive Species
<i>Liquidambar styraciflua</i> sweetgum	X																
<i>Quercus nigra</i> water oak	X																
<i>Hippomane mancinella</i> manchineel	X																
<i>Guaiacum sanctum</i> lignum vitae	X																
<i>Swietenia mahagoni</i> mahogany	X																
<i>Thrinax</i> spp. thatch palm	X																
<i>Serenoa repens</i> saw palmetto		X	X	X	X												
<i>Ilex coriacea</i> gallberry		X		X													
<i>Myrica cerifera</i> wax myrtle		X	X		X												
<i>Aristida stricta</i> wiregrass		X		X													
<i>Quercus pumila</i> running oak		X															
<i>Persea</i> spp. bay		X															
<i>Lyonia ferruginea</i> rusty lyonia		X															
<i>Taxodium distichum</i> (=ascendens) cypress		X															
<i>Quercus</i> spp. oak			X														
<i>Pinus</i> spp. pine			X														
<i>Lyonia mariana</i> staggerbush			X	X													

Table F-1

Representative List of Plant Species for Habitats in the Project Area

Species	Hardwood Hammocks & Forests	Pinelands	Shrub and Brushland	Dry Prairie	Coastal Strand	Hardwood Swamp	Mangrove Swamp	Coastal Salt Marsh	Freshwater Marsh	Wet prairie	Inland Pond	Canals and Ditches	Tidal Flat/Sand Flat	Hardbottom	Seagrass	Coral Reef	Non-Native and/or Invasive Species
<i>Baccharis halimifolia</i> saltbush			X					X									
<i>Rhus</i> spp. sumac			X														
<i>Sambucus canadensis</i> elderberry			X														
<i>Lyonia lucida</i> fetterbush		X	X	X													
<i>Rubus</i> spp. blackberry			X														
<i>Andropogon glomeratus</i> broomsedge			X														
<i>Eupatorium capillifolium</i> dog fennel			X														
<i>Vaccinium</i> spp. blueberry				X													
<i>Axonopus</i> spp. carpet grasses				X													
<i>Schizachyrium</i> spp. bluestems				X													
<i>Befaria racemosa</i> tar flower				X													
<i>Ipomoea indica</i> beach morning glory					X												
<i>Ipomoea pes-caprae</i> railroad vine					X												
<i>Uniola paniculata</i> sea oats					X												
<i>Yucca aloifolia</i> spanish bayonet					X												
<i>Ilex vomitoria</i> youpon holly					X												
<i>Coccoloba uvifera</i> sea grape					X												

Table F-1

Representative List of Plant Species for Habitats in the Project Area

Species	Hardwood Hammocks & Forests	Pinelands	Shrub and Brushland	Dry Prairie	Coastal Strand	Hardwood Swamp	Mangrove Swamp	Coastal Salt Marsh	Freshwater Marsh	Wet prairie	Inland Pond	Canals and Ditches	Tidal Flat/Sand Flat	Hardbottom	Seagrass	Coral Reef	Non-Native and/or Invasive Species
<i>Chrysobalanus icaco</i> cocoplum					X												
<i>Nyssa sylvatica</i> black gum						X											
<i>Nyssa aquatica</i> water tupelo						X											
<i>Taxodium distichum</i> bald cypress						X											
<i>Ilex cassine</i> dahoon holly						X											
<i>Fraxinus</i> sp. swamp ash						X											
<i>Magnolia virginiana</i> sweet bay						X											
<i>Rhizophora mangle</i> red mangrove							X					X					
<i>Avicennia germinans</i> black mangrove							X					X					
<i>Laguncularia racemosa</i> white mangrove							X					X					
<i>Salicornia</i> spp. glasswort							X										
<i>Batis maritima</i> saltwort							X	X									
<i>Spartina alterniflora</i> smooth cordgrass								X									
<i>Juncus roemerianus</i> black needlerush								X									
<i>Distichlis spicata</i> saltgrass								X									
<i>Borricea</i> spp. sea ox-eye daisy								X									
<i>Sambucus</i> spp. marsh elder								X									

Table F-1

Representative List of Plant Species for Habitats in the Project Area

Species	Hardwood Hammocks & Forests	Pinelands	Shrub and Brushland	Dry Prairie	Coastal Strand	Hardwood Swamp	Mangrove Swamp	Coastal Salt Marsh	Freshwater Marsh	Wet prairie	Inland Pond	Canals and Ditches	Tidal Flat/Sand Flat	Hardbottom	Seagrass	Coral Reef	Non-Native and/or Invasive Species
<i>Nelumbo</i> spp. lotus									X	X							
<i>Nuphar</i> spp. spatterdock									X	X							
<i>Eichornia crassipes</i> water hyacinth									X	X							
<i>Sagittaria</i> spp. arrowhead									X	X	X						
<i>Typha</i> spp. cattail									X	X	X						
<i>Cladium jamaicensis</i> sawgrass									X	X	X						
<i>Cyperus</i> spp. flat sedge											X						
<i>Panicum</i> spp. panic grass											X						
<i>Chara</i> spp. musk grass											X						
<i>Nymphaea</i> spp. water lily									X	X	X						
<i>Pontederia cordata</i> pickerelweed									X	X							
<i>Elocharis cellulosa</i> spikerush									X	X							
<i>Halimeda</i> spp. (green macroalgae)														X		X	
<i>Avrainvillea</i> spp. (green macroalgae)														X		X	
<i>Penicillus</i> sp. (green macroalgae)														X		X	
<i>Udeotea</i> spp. (green macroalgae)														X		X	
<i>Padina</i> spp. (brown macroalgae)														X		X	

Table F-1

Representative List of Plant Species for Habitats in the Project Area

Species	Hardwood Hammocks & Forests	Pinelands	Shrub and Brushland	Dry Prairie	Coastal Strand	Hardwood Swamp	Mangrove Swamp	Coastal Salt Marsh	Freshwater Marsh	Wet prairie	Inland Pond	Canals and Ditches	Tidal Flat/Sand Flat	Hardbottom	Seagrass	Coral Reef	Non-Native and/or Invasive Species
<i>Laurencia</i> spp. red macroalgae)														X		X	
<i>Thalassia testudinum</i> turtle grass													X		X		
<i>Syringodium filiforme</i> manatee grass													X		X		
<i>Halodule wrightii</i> shoal grass													X		X		
<i>Halophila decipiens</i> paddle grass													X		X		
<i>Colubrina asiatica</i> latherleaf																	X
<i>Casuarina</i> spp. Australian pine																	X
<i>Schinus terebinthifolius</i> Brazilian pepper	X																X

Table F-2

Representative List of Animal Species for Habitats in the Project Area

Species	Status	Barren Land	Hardwood Hammocks & Forests	Pinelands	Grassland/ Agriculture Shrub and Brushland	Dry Prairie	Coastal Strand	Hardwood Swamp	Mangrove Swamp	Coastal Salt Marsh	Freshwater Marsh	Inland Pond	Canals and Ditches	Beach	Tidal Flat/Sand Flat	Sandy Bottom	Hardbottom	Seagrass	Coral Reef	Nonnative/ Invasive Spp.
Mammals																				
Beach mouse <i>Peromyscus polionotus</i>	FT/ST						X							X						
Key deer* <i>Odocoileus virginianus clavium</i>	FE/SE	X	X	X					X											
Key Largo cotton mouse <i>Peromyscus gossypinus allapaticola</i>	FE/SE		X																	
Key Largo woodrat <i>Neotoma floridana smalli</i>	FE/SE		X																	
Keys rabbit <i>Sylvilagus palustris hefneri</i>	FE/SE						X				X	X								
Raccoon <i>Procyon lotor</i>		X	X	X	X	X	X	X	X	X	X		X	X						X
Rice rat/ Silver rice rat <i>Oryzomys palustris natator</i>	SSC								X	X										
River otter <i>Lutra canadensis</i>							X	X	X	X	X	X	X	X	X	X		X		
Vertebrates																				
Coney <i>Cephalopholis fulvus</i>									X						X	X	X	X	X	
Doctorfish <i>Acanthurus chirurgus</i>									X							X	X	X	X	
Florida gar <i>Lepisosteus platyrhincus</i>									X			X	X							
Goatfishes <i>Mulloidichthys</i> spp.									X						X	X	X	X	X	
Jack <i>Caranx</i> spp.									X				X		X	X	X	X	X	
Key silverside <i>Menidia conchorum</i>	ST								X											

Table F-2

Representative List of Animal Species for Habitats in the Project Area

Species	Status	Barren Land	Hardwood Hammocks & Forests	Pinelands	Grassland/ Agriculture	Shrub and Brushland	Dry Prairie	Coastal Strand	Hardwood Swamp	Mangrove Swamp	Coastal Salt Marsh	Freshwater Marsh	Inland Pond	Canals and Ditches	Beach	Tidal Flat/Sand Flat	Sandy Bottom	Hardbottom	Seagrass	Coral Reef	Nonnative/ Invasive Spp.
Lizardfishes <i>Synodus</i> spp.									X							X	X	X	X		
Mosquitofish <i>Gambusia affinis</i>									X	X		X	X	X							
Mullet <i>Mugil</i> spp.										X	X	X		X		X	X	X	X	X	
Parrotfish <i>Scarus</i> spp.										X	X			X		X	X	X	X	X	
Red Drum <i>Scienops ocelata</i>										X	X										
Mutton snapper <i>Lutjanus analis</i>										X				X		X	X	X	X	X	
Snapper <i>Lutjanidae</i> spp.										X	X			X		X	X	X	X	X	
Snook <i>Centropomus</i> spp.	SSC									X	X			X		X	X	X	X	X	
Tarpon <i>Megalops atlanticus</i>										X	X										
Yellowtail snapper <i>Ocyurus chrysurus</i>										X	X			X		X	X	X	X	X	
Birds																					
American coot <i>Fulica americana</i>									X			X	X								
American swallow-tail kite <i>Elanoides forficatus</i>			X					X	X	X	X	X	X								
Anhinga <i>Anhinga anhinga</i>									X			X	X								
Bald eagle <i>Haliaeetus leucocephalus</i>	FT, ST	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
Barred owl <i>Strix varia</i>			X	X					X												
Belted kingfisher <i>Ceryle alcyon</i>									X	X	X	X	X	X		X					

Table F-2

Representative List of Animal Species for Habitats in the Project Area

Species	Status	Barren Land	Hardwood Hammocks & Forests	Pinelands	Grassland/ Agriculture	Shrub and Brushland	Dry Prairie	Coastal Strand	Hardwood Swamp	Mangrove Swamp	Coastal Salt Marsh	Freshwater Marsh	Inland Pond	Canals and Ditches	Beach	Tidal Flat/Sand Flat	Sandy Bottom	Hardbottom	Seagrass	Coral Reef	Nonnative/ Invasive Spp.	
Black-whiskered vireos <i>Vireo altiloquus</i>			X	X		X			X	X												
Bobwhite <i>Colinus virginianus</i>		X	X	X	X	X	X															
Brown pelican <i>Pelecanus occidentalis</i>	SSC							X		X	X			X								
Caspian tern <i>Sterna caspia</i>								X							X	X						
Common grackle <i>Quiscalus quiscula</i>		X	X	X	X	X	X	X	X	X	X	X										X
Crested caracara <i>Caracara plancus</i>	FT, ST				X		X															
Double-crested cormorants <i>Phalacrocorax auritus</i>								X		X	X	X	X	X	X							
Eastern bluebird <i>Sialia sialis</i>		X		X	X		X															
Eastern kingbird <i>Tyrannus tyrannus</i>		X	X	X			X															
Eastern meadowlark <i>Sturnella magna</i>				X	X		X					X										
Florida grasshopper sparrow <i>Ammodramus savannarum floridanus</i>	FE, SE				X		X					X										
Gray kingbird <i>Tyrannus dominicensis</i>				X				X		X	X											
Great blue heron <i>Ardea herodias</i>								X	X	X	X	X	X	X	X	X						
Great Crested Flycatcher <i>Myiarchus crinitus</i>			X	X					X													

Table F-2

Representative List of Animal Species for Habitats in the Project Area

Species	Status	Barren Land	Hardwood Hammocks & Forests	Pinelands	Grassland/ Agriculture	Shrub and Brushland	Dry Prairie	Coastal Strand	Hardwood Swamp	Mangrove Swamp	Coastal Salt Marsh	Freshwater Marsh	Inland Pond	Canals and Ditches	Beach	Tidal Flat/Sand Flat	Sandy Bottom	Hardbottom	Seagrass	Coral Reef	Nonnative/ Invasive Spp.	
Great egret <i>Casmerodius albus</i>	SSC								X	X	X	X	X	X	X	X						
Greenback Heron <i>Butorides virescens</i>									X	X	X		X	X								
Least tern <i>Sterna antillarum</i>	ST							X							X							
Loggerhead shrike <i>Lanius ludovicianus</i>	FT, ST			X	X		X															
Magnificent frigate bird <i>Fregata magnificens</i>								X			X											
Mangrove cuckoo <i>Coccyzus minor</i>										X												
Northern cardinal <i>Cardinalis cardinalis</i>			X	X																		X
Northern mockingbird <i>Mimus polyglottos</i>		X	X	X	X	X		X	X	X												
Osprey <i>Pandion haliaetus</i>		X	X	X	X			X		X	X	X	X	X	X	X						
Pileated woodpecker <i>Dryocopus pileatus</i>			X	X					X													
Pine warbler <i>Dendroica discolor</i>				X						X												
Prothonotary warbler <i>Protonotaria citrea</i>								X	X	X	X	X	X	X								
Red-bellied woodpecker <i>Melanerpes carolinus</i>			X	X	X	X	X	X	X	X	X	X										
Reddish egret <i>Egretta rufescens</i>	SSC							X		X	X	X				X						

Table F-2

Representative List of Animal Species for Habitats in the Project Area

Species	Status	Barren Land	Hardwood Hammocks & Forests	Pinelands	Grassland/ Agriculture	Shrub and Brushland	Dry Prairie	Coastal Strand	Hardwood Swamp	Mangrove Swamp	Coastal Salt Marsh	Freshwater Marsh	Inland Pond	Canals and Ditches	Beach	Tidal Flat/Sand Flat	Sandy Bottom	Hardbottom	Seagrass	Coral Reef	Nonnative/ Invasive Spp.
Red-shouldered hawk <i>Buteo lineatus</i>			X	X				X	X	X	X	X	X								
Red-winged blackbirds <i>Agelaius phoeniceus</i>							X	X		X	X	X									
Roseate spoonbill <i>Ajaia ajaja</i>	SSC									X	X					X					
Roseate tern <i>Sterna dougallii dougallii</i>	FT/ST							X							X	X					
Scissor-tailed flycatcher <i>Tyrannus forficatus</i>		X			X	X															
Thick-billed vireo <i>Vireo crassirostris</i>			X	X	X				X	X											
Tricolor heron <i>Egretta tricolor</i>	SSC								X	X	X	X	X			X					
White crowned pigeon <i>Columba leucocephala</i>	ST							X		X	X										
White ibis <i>Eudocimus albus</i>	SSC	X				X	X	X	X	X	X	X	X		X	X					
Wood duck <i>Aix sponsa</i>			X						X				X								
Wood stork <i>Mycteria americana</i>	FE, SE									X	X	X		X		X					
Reptiles																					
American alligator <i>Alligator mississippiensis</i>	FT(S/A) SSC									X	X	X	X	X							
Atlantic salt marsh snake <i>Nerodia clarkii (=fasciata) taeniata</i>										X	X										

Table F-2

Representative List of Animal Species for Habitats in the Project Area

Species	Status	Barren Land	Hardwood Hammocks & Forests	Pinelands	Grassland/ Agriculture	Shrub and Brushland	Dry Prairie	Coastal Strand	Hardwood Swamp	Mangrove Swamp	Coastal Salt Marsh	Freshwater Marsh	Inland Pond	Canals and Ditches	Beach	Tidal Flat/Sand Flat	Sandy Bottom	Hardbottom	Seagrass	Coral Reef	Nonnative/ Invasive Spp.
Big Pine Key ringneck snake <i>Diadophis punctatus acricus</i>	ST		X	X																	
Black racer <i>Coluber constrictor</i>			X	X	X	X	X					X									
Box turtles <i>Terrapene</i> spp.			X	X	X	X	X	X	X	X	X	X									
Florida cooter <i>Pseudemys floridana</i>													X								
Green anole <i>Anolis carolinensis</i>			X	X	X	X	X	X	X	X	X	X			X						X
Green turtle <i>Chelonia mydas</i>	FE/SE														X	X	X	X	X	X	X
Loggerhead turtle <i>Caretta caretta</i>	FT/ST														X	X	X	X	X	X	
Pygmy rattlesnake <i>Sistrurus miliarius</i>				X							X	X									
Rough green snake <i>Opheodrys aestivus</i>									X	X		X									
Southeastern five-lined skink <i>Eumeces inexpectatus</i>		X	X	X											X						
Water moccasin <i>Agkistrodon piscivorus</i>									X	X		X	X		X						

Table F-2

Representative List of Animal Species for Habitats in the Project Area

Species	Status	Barren Land	Hardwood Hammocks & Forests	Pinelands	Grassland/ Agriculture	Shrub and Brushland	Dry Prairie	Coastal Strand	Hardwood Swamp	Mangrove Swamp	Coastal Salt Marsh	Freshwater Marsh	Inland Pond	Canals and Ditches	Beach	Tidal Flat/Sand Flat	Sandy Bottom	Hardbottom	Seagrass	Coral Reef	Nonnative/ Invasive Spp.
Amphibians																					
Green treefrog <i>Hyla cinerea</i>									X			X	X								
Southern leopard frog <i>Rana sphenoccephala</i>				X						X		X	X								
Southern toad <i>Bufo quercicus</i>				X					X			X	X								
Crustaceans																					
Blue crab <i>Callinectes sapidus</i>										X	X			X		X	X	X	X		
Ghost crab <i>Ocypode quadrata</i>								X							X						
Fiddler crab <i>Uca pugilator</i>										X	X				X	X					
Shrimp <i>Penaeus</i> spp.																X	X	X	X	X	
Spiny lobster <i>Panulirus</i> spp.																X	X	X	X	X	
Molluscs																					
Apple snail <i>Pomacea paludosus</i>									X			X	X								
Oysters <i>Crassostrea</i> spp.										X	X			X							
Invertebrates																					
Chicken liver sponge <i>Chondrilla nucula</i>																			X	X	
Common seafan <i>Gorgonia ventialina</i>																			X	X	
Finger coral <i>Porites furcata</i>																			X	X	
Starlet coral <i>Siderastrea radians</i>																			X	X	
Queen conch <i>Strombus gigas</i>																X			X	X	
Star coral <i>Solenastrea</i> spp.																			X	X	

Table F-2

Representative List of Animal Species for Habitats in the Project Area

Species	Status	Barren Land	Hardwood Hammocks & Forests	Pinelands	Grassland/ Agriculture	Shrub and Brushland	Dry Prairie	Coastal Strand	Hardwood Swamp	Mangrove Swamp	Coastal Salt Marsh	Freshwater Marsh	Inland Pond	Canals and Ditches	Beach	Tidal Flat/Sand Flat	Sandy Bottom	Hardbottom	Seagrass	Coral Reef	Nonnative/ Invasive Spp.
---------	--------	-------------	-----------------------------	-----------	------------------------	---------------------	-------------	----------------	----------------	----------------	--------------------	------------------	-------------	--------------------	-------	----------------------	--------------	------------	----------	------------	--------------------------

FE = Federally Endangered

SE = State Endangered

FT = Federally Threatened

ST = State Threatened

FT (S/A) = Federally Threatened due to similarity of appearance

SSC = State Species of Special Concern

* Only found on Big Pine Key and No Name Key.

Table F-3

Protected Species and Associated Habitats Potentially Occurring in Monroe County

Species	Listing Status	Critical Habitat in Monroe County	Endangered Species Recovery Plan	Habitat
TERRESTRIAL MAMMALS				
<i>Blarina carolinensis shermani</i> Sherman's short-tailed shrew	SSC			grassy edges of basin and depression marsh, mesic flatwoods, ruderal areas
<i>Felis concolor coryi</i> Florida panther	FE, SE		YES	high pine, tropical hardwood hammock, scrub, maritime hammock, mesic temperate hammock, pine rockland, scrubby flatwoods, mesic pine flatwoods, hydric pine flatwoods, dry prairie, wet prairie, freshwater marsh, seepage wamp, pond swamp, mangrove
<i>Puma concolor</i> (all subsp. except <i>coryi</i>) Puma (mountain lion)	F (S/A)		YES	coniferous forests, lowland tropical forests, grassland, dry brush country, swamps
<i>Mustela vison mink</i> Mink (South FL population)	ST			salt marsh, freshwater marsh, cypress swamp, hardwood swamp
<i>Neotoma floridana smalli</i> Key Largo woodrat	FE, SE		YES	tropical hardwood hammock
<i>Odocoileus virginianus clavium</i> Key deer	FE, SE		YES	tropical hardwood hammock, mesic temperate hammock, pine rockland, mesic pine flatwoods, hydric pine flatwoods, freshwater marsh, mangrove, saltmarsh
<i>Oryzomys argentatus</i> Silver rice rat	FE, SE	YES	YES	freshwater marsh, mangrove, saltmarsh
<i>Peromyscus gossypinus allapaticola</i> Key Largo cotton mouse	FE, SE		YES	tropical hardwood hammock
<i>Sciurus niger avicennia</i> Mangrove fox squirrel	ST			pine flatwoods, cypress swamp, hardwood hammock
<i>Sylvilagus palustris hefneri</i> Lower Keys marsh rabbit	FE, SE		YES	beach dune/coastal strand, freshwater marsh, mangrove, saltmarsh

Table F-3

Protected Species and Associated Habitats Potentially Occurring in Monroe County

Species	Listing Status	Critical Habitat in Monroe County	Endangered Species Recovery Plan	Habitat
<i>Ursus americanus floridanus</i> Florida black bear	FC, ST			high pine, tropical hardwood hammock, scrub, maritime hammock, mesic temperate hammock, pine rockland, scrubby flatwoods, mesic pine flatwoods, hydric pine flatwoods, dry prairie, wet prairie, freshwater marsh, seepage wamp, pond swamp, mangrove
MARINE MAMMALS				
<i>Balaenoptera borealis</i> Sei whale	FE, SE			Offshore marine
<i>Balaena glacialis</i> Right whale	FE, SE	YES		Offshore marine
<i>Balaenoptera musculus</i> Blue whale	FE			Offshore marine
<i>Balaenoptera physalus</i> Finback whale	FE, SE			Offshore marine
<i>Megaptera novaeangliae</i> Humpback whale	FE, SE			Offshore marine
<i>Physeter macrocephalus</i> Sperm whale	FE			Offshore marine
<i>Trichechus manatus latirostris</i> West Indian manatee	FE, SE	YES	YES	mangrove, seagrass, nearshore reef, freshwater canals, estuaries
BIRDS				
<i>Ajaia ajaja</i> Roseate spoonbill	SSC			mangrove islands, dredge spoil islands, willow heads, tidal flats and ponds, coastal marshes, freshwater sloughs and marshes
<i>Ammodramus maritimus mirabilis</i> Cape Sable seaside sparrow	FE, SE		YES	wet prairie, freshwater marsh
<i>Aramus guarauna</i> Limpkin	SSC			mangroves, freshwater marsh, swamps, margins of ponds, lakes and rivers, sloughs, impoundments
<i>Charadrius alexandrinus</i> Snowy plover	ST			beach dune/coastal strand
<i>Charadrius melodus</i> Piping plover	FT, ST		YES	beach dune/coastal strand, nearshore reef

Table F-3

Protected Species and Associated Habitats Potentially Occurring in Monroe County

Species	Listing Status	Critical Habitat in Monroe County	Endangered Species Recovery Plan	Habitat
<i>Columba leucocephala</i> White-crowned pigeon	ST			mangrove islands, tropical hardwood hammock
<i>Egretta caerulea</i> Little blue heron	SE			shallow freshwater, brackish and saltwater habitats
<i>Egretta rufescens</i> Reddish egret	SSC			marine tidal flats and shorelines, salt evaporation pools and lagoons, coastal mangrove islands, dredge spoil islands
<i>Egretta thula</i> Snowy egret	SSC			wetlands, streams, lakes, swamps
<i>Egretta tricolor</i> Tricolored heron	SSC			wetlands, mangrove swamps, tidal creeks and ditches, edges of ponds and lakes
<i>Eudocimus albus</i> White ibis	SSC			fresh and brackish marshes, salt flats, saltmarsh, forested wetlands, wet prairies, swales, seasonally inundated fields and ditches
<i>Falco peregrinus</i> Peregrine falcon	SE			disturbed and cultivated land, freshwater marsh, saltmarsh, prairie, ponds, lakes, streams, rivers, swamps
<i>Falco sparverius paulus</i> Southeastern American kestrel	ST			open pine habitat, woodland edges, prairies, pasture land
<i>Grus canadensis pratensis</i> Florida sandhill crane	ST			prairies, freshwater marsh, pasture land
<i>Haematopus palliatus</i> American oystercatcher	SSC			beach dune/coastal strand, sandbars, mudflats, shellfish beds
<i>Haliaeetus leucocephalus</i> Bald eagle	FT, ST		YES	high pine, scrubby high pine, maritime hammock, mesic temperate hammock, pine rockland, scrubby flatwoods, mesic pine flatwoods, hydric pine flatwoods, dry prairie, wet prairie, freshwater marsh, seepage wamp, flowing water swamp, pond swamp, mangrove, saltmarsh, seagrass
<i>Mycteria americana</i> Wood stork	FE, SE		YES	hydric pine flatwoods, wet prairie, freshwater marsh, seepage swamp, flowing water swamp, pond swamp, mangrove, saltmarsh, seagrass
<i>Pandion haliaetus</i> Osprey	SSC			lakes, rivers, coastal areas

Table F-3

Protected Species and Associated Habitats Potentially Occurring in Monroe County

Species	Listing Status	Critical Habitat in Monroe County	Endangered Species Recovery Plan	Habitat
<i>Pelicanus occidentalis</i> Brown pelican	SSC			shallow estuarine habitat, sandbars, sandspits, mangrove islands
<i>Picooides borealis</i> Red-cockaded woodpecker	FE, ST		YES	high pine, mesic pine flatwoods, hydric pine flatwoods
<i>Polyborus plancus audubonii</i> Audubon's crested caracara	FT, ST		YES	mesic temperate hammock, mesic pine flatwoods, hydric pine flatwoods, dry prairie, wet prairie
<i>Rostrhamus sociabilis plumbeus</i> Everglades snail kite	FE, SE		YES	hydric pine flatwoods, freshwater marsh, pond swamp
<i>Rynchops niger</i> Black skimmer	SSC			coastal waters, lakes, sandy beaches, small islands, dredge spoil islands
<i>Speotyto cunicularia floridana</i> Florida burrowing owl	SSC			high, sparsely vegetated sandy ground, ruderal areas (pasture, airports, parks, school grounds, road rights-of-way) and other vacant spaces
<i>Sterna antillarum</i> Least tern	ST		YES	beach dune/coastal strand
<i>Sterna dougallii dougallii</i> Roseate tern	FT, ST		YES	beach dune/coastal strand, saltmarsh, seagrass, nearshore reef
FISH				
<i>Acipenser brevirostrum</i> Shortnose sturgeon	FE, SE			rivers, brackish coastal waters
<i>Acipenser oxyrhynchus desotoi</i> Gulf sturgeon	FT, SSC			Gulf of Mexico and associated estuaries, major coastal rivers in area of limestone outcrops
<i>Acipenser oxyrhynchus oxyrhynchus</i> Atlantic sturgeon	FC, SSC			river mouths, tidal rivers, estuaries, bays
<i>Alosa alabamae</i> Alabama shad	FC			Large flowing rivers
<i>Carcharhinus obsurus</i> Dusky shark	FC			coastal surf zone, offshore marine
<i>Carcharhinus signatus</i> Night shark	FC			deep offshore marine
<i>Epinephelus drummondhayi</i> Speckled hind	FC			hard bottom reefs
<i>Epinephelus itajara</i> Goliath grouper (Jewfish)	FC			nearshore reefs, shallow offshore reefs
<i>Epinephelus nigritus</i> Warsaw grouper	FC			deepwater reefs
<i>Epinephelus striatus</i> Nassau grouper	FC			nearshore reefs
<i>Fundulus jenkinsi</i> Saltmarsh topminnow	FC, SSC			saltmarsh, brackish water
<i>Menidia conchorum</i> Key silverside	FC, ST			isolated lagoons, shallow, protected waters

Table F-3

Protected Species and Associated Habitats Potentially Occurring in Monroe County

Species	Listing Status	Critical Habitat in Monroe County	Endangered Species Recovery Plan	Habitat
<i>Micropis brachyurus lineatus</i> Opposum pipefish	FC			freshwater (panic grass and smart weed)
<i>Odontaspis taurus</i> Sand tiger shark	FC			nearshore and offshore marine
<i>Pristis pectinata</i> Smalltooth sawfish	FC			shallow coastal
<i>Rivulus marmoratus</i> Mangrove rivulus	FC, SSC			land crab burrows, mangrove forests, mosquito ditches
<i>Starksia starcki</i> Key blenny	SSC			surge channels between rows of coral
REPTILES				
<i>Alligator mississippiensis</i> American alligator	FT(S/A), SSC			hydric pine flatwoods, wet prairie, freshwater marsh, seepage swamp, pond swamp, flowing water swamp, mangrove
<i>Caretta caretta</i> Loggerhead turtle	FT, ST		YES	beach dune/coastal strand, seagrass, nearshore reef
<i>Chelonia mydas mydas</i> Green sea turtle	FE, SE		YES	beach dune/coastal strand, seagrass, nearshore reef
<i>Crocodylus acutus</i> American crocodile	FE, SE	YES	YES	mangrove, coastal marsh
<i>Dermochelys coriacea</i> Leatherback sea turtle	FE, SE		YES	Offshore marine
<i>Diadophis punctatus acricus</i> Big Pine Key ringneck snake	ST			pine rockland, tropical hardwood hammock
<i>Drymarchon corais couperi</i> Eastern indigo snake	FT, ST		YES	high pine, tropical hardwood hammock, scrubby high pine, beach dune/coastal strand, maritime hammock, mesic temperate hammock, pine rockland, scrubby flatwoods, mesic pine flatwoods, hydric pine flatwoods, dry prairie, cutthroat grass, freshwater marsh, seepage wamp, flowing water swamp, pond swamp, mangrove
<i>Elaphe guttata</i> Red rat snake	SSC			pine, hardwood, mangrove forested habitats, disturbed habitats
<i>Eretmochelys imbricata</i> Hawksbill sea turtle	FE, SE		YES	beach dune/coastal strand, seagrass, nearshore reef

Table F-3

Protected Species and Associated Habitats Potentially Occurring in Monroe County

Species	Listing Status	Critical Habitat in Monroe County	Endangered Species Recovery Plan	Habitat
<i>Eumeces egregius egregius</i> Florida Keys mole skink	SSC			beach dune/coastal strand, coastal berm, coastal scrub
<i>Gopherus polyphemus</i> Gopher tortoise	SSC			sandhills, scrub, xeric oak hammock, dry pine flatwoods, pasture land, oldfields, road shoulders
<i>Kinosternum bauri</i> Key mud turtle	SE			temporary freshwater to slightly brackish ponds and ditches
<i>Lepidochelys kempii</i> Kemp's ridley sea turtle	FE, SE		YES	marine coastal waters with sandy or muddy substrates and red mangrove shorelines
<i>Pituophis melanoleucus mugitus</i> Florida pine snake	SSC			sandhill, oldfields, pasture, sand pine scrub, scrubby flatwoods
<i>Storeria dekayi victa</i> Lower Keys brown snake	ST			pine rockland, tropical hardwood hammock
<i>Tantilla oolitica</i> Rim rock crowned snake	ST			tropical hardwood hammock, pine rockland, vacant lots, pastures
<i>Thamnophis sauritus sackenii</i> Florida ribbon snake	ST			mangrove, spartina marsh, freshwater depressions and ditches
INVERTEBRATES				
<i>Dendrogyra cylindrus</i> Pillar coral	SE			coral reef
<i>Heraclides aristodemus ponceanus</i> Schaus swallowtail butterfly	FE, SE		YES	tropical hardwood hammock
<i>Liguus fasciatus matecumbensii</i> Florida tree snail	SSC			tropical hardwood hammock
<i>Orthalicus reses reses</i> Stock Island tree snail	FT*, SE		YES	tropical hardwood hammock
PLANTS				
<i>Acacia choriophylla</i> Tamarindillo	SE			rockland hammock, mangrove swamp, coastal berm
<i>Acrostichum aureum</i> Golden leather fern	ST			mangrove swamp, saltmarsh, hydric hammock
<i>Adiatum melanoleucum</i> Fragrant maidenhair fern	SE			rockland hammock

Table F-3

Protected Species and Associated Habitats Potentially Occurring in Monroe County

Species	Listing Status	Critical Habitat in Monroe County	Endangered Species Recovery Plan	Habitat
<i>Argusia gnaphalodes</i> Sea lavender	SE			beach dune/coastal strand
<i>Argythamnia blodgettii</i> Blodgett's wild mercury	FC, SE			tropical hardwood hammock, pine rockland
<i>Asplenium serratum</i> Bird's nest spleenwort	SE			cypress swamp, tropical rockland hammock
<i>Basiphyllaea corallicola</i> Rockland orchid	SE			pine rockland, rockland hammock
<i>Bourreria cassinifolia</i> Little strongbark	SE			pine rockland
<i>Bourreria radula</i> Rough strongbark	SE			rockland hammock, pine rockland
<i>Brassia caudata</i> Spider orchid	SE			hammocks
<i>Byrsonima lucida</i> Locustberry	ST			rockland hammock, pine rockland
<i>Calypttranthes zuzygium</i> Myrtle-of-the-river	SE			rockland hammock, maritime hammock
<i>Canella winteriana</i> Wild cinnamon	SE			rockland hammock, maritime hammock
<i>Cassia keyensis</i> Big Pine partridge pea	FC, SE			pine rockland
<i>Catebaea parviflora</i> Small-flowered lily-thorn	SE			pine rockland, coastal strand
<i>Catopsis berteroniana</i> Powdery catopsis	SE			rockland hammock, mangrove swamp
<i>Catopsis floribunda</i> Many-flowered catopsis	SE			tropical hardwood hammock, cypress swamp
<i>Cereus robinii</i> Key tree cactus	FE, SE		YES	tropical hardwood hammock
<i>Chamaesyce deltoidea serpyllum</i> Wedge spurge	FC, SE			pine rockland (Big Pine Key)
<i>Chamaesyce garberi</i> Garber's spurge	FT, SE		YES	pine rockland, rockland hammock, coastal rock barrens, salt flats, grass prairie, beach ridge
<i>Chamaesyce porteriana</i> Porter's spurge	SE			pine rockland, rockland hammock, coastal rock barrens, marl prairie
<i>Cheilanthes microphylla</i> Southern lip fern	SE			shell mounds, pine rockland, maritime hammock, mesic hammock

Table F-3

Protected Species and Associated Habitats Potentially Occurring in Monroe County

Species	Listing Status	Critical Habitat in Monroe County	Endangered Species Recovery Plan	Habitat
<i>Chromolaena frustrata</i> Cape Sable thoroughwort	FC			tropical hardwood hammock, pine rockland
<i>Cienfuegosia yacatanensis</i> Mexican hibiscus	SE			coastal rock barrens, coastal hammock, saltmarsh
<i>Coccothrinax argentata</i> Silver palm	ST			pine rockland, upland hammock
<i>Colubrina cubensis</i> var <i>floridana</i> Cuban snake-bark	SE			rockland hammock, pine rockland
<i>Crossopetalum ilicifolium</i> Christmas berry	ST			rockland hammock, pine rockland
<i>Crossopetalum rhacoma</i> Rhacoma	ST			rockland hammock, pine rockland, coastal scrub
<i>Cupania glabra</i> Cupania	SE			rockland hammock
<i>Cyrtopodium punctatum</i> Cow-horned orchid	SE			cypress swamp, coastal hammock, pine rockland, marl prairie
<i>Dalea carhagenesis floridana</i> Florida prairie clover	FC, SE			pine rockland, rockland hammock, coastal uplands, marl prairie
<i>Dennstaedtia bipinnata</i> Hay scented fern	SE			hydric hammocks
<i>Drypetes diversifolia</i> Milkbark	SE			tropical hammock
<i>Encyclia boothiana</i> var <i>erythronioides</i> Dollar orchid	SE			rockland hammock, coastal buttonwood forest
<i>Encyclia cochleata</i> var <i>triandra</i> Clamshell orchid	SE			rockland hammock, cypress swamp
<i>Epidendrum nocturnum</i> Night-scented orchid	SE			rockland hammock, cypress swamp
<i>Eugenia confusa</i> Tropical ironwood	SE			rockland hammock
<i>Eugenia rhombea</i> Red stopper	SE			rockland hammock
<i>Gossypium hirsutum</i> Wild cotton	SE			coastal berm, shell mounds, maritime hammock
<i>Guaiaacum sanctum</i> Lignum vitae	SE			rockland hammock

Table F-3

Protected Species and Associated Habitats Potentially Occurring in Monroe County

Species	Listing Status	Critical Habitat in Monroe County	Endangered Species Recovery Plan	Habitat
<i>Guzmania monostachia</i> Fuch's bromeliad	SE			strand swamp, rockland hammock
<i>Gyminda latifolia</i> False boxwood	SE			tropical hardwood hammock
<i>Halophila johnsonii</i> Johnson's seagrass	FT			intertidal waters to 3 meters depth
<i>Harrisia simpsonii</i> Simpson's prickly apple	SE			rockland hammock
<i>Hippomane mancinella</i> Manchineel	SE			coastal berm, coastal hammock
<i>Hypelate trifolia</i> White ironwood	SE			rockland hammock, pine rockland
<i>Indigofera muscronata</i> var <i>keyensis</i> Florida Indigo	FC, SE			coastal berm, coastal rock barrens, rockland hammock
<i>Ionopsis utricularioides</i> Delicate ionopsis	SE			rockland hammock, strand swamp
<i>Ipomoea tenuissima</i> Rocklands morning glory	SE			pine rockland
<i>Jacquemontia curtissii</i> Pineland jacquemontia	ST			pine flatwoods, pine rockland, marl prairie, spoil banks
<i>Jacquemontia havanensis</i> Cuban jacquemontia	SE			hardwood hammock
<i>Jacquinia keyensis</i> Joewood	ST			coastal salt flat, coastal scrub, maritime hammock, pine rockland
<i>Lantana depressa</i> Pineland lantana	SE			pine rockland, coastal strand, coastal grassland, coastal berm, marl prairie
<i>Lechea cernua</i> Nodding pinweed	ST			sandhill, scrub
<i>Leiphaimos parasitica</i> Ghost plant	SE			upland hammock
<i>Linum arenicola</i> Sand flax	FC, SE			pine rockland, marl prairie, disturbed areas
<i>Linum carteri</i> var <i>smallii</i> Carter's large-flowered flax	SE			pine rockland
<i>Ophioglossum palmatum</i> Hand fern	SE			maritime hammocks
<i>Manilkara jaimiqui</i> Wild dilly	ST			upland hammock

Table F-3

Protected Species and Associated Habitats Potentially Occurring in Monroe County

Species	Listing Status	Critical Habitat in Monroe County	Endangered Species Recovery Plan	Habitat
<i>Microgramma heterophylla</i> Climbing vine fern	SE			rockland hammock
<i>Myrcianthes fragrans</i> Simpson's stopper	ST			upland hammock
<i>Okenia hypogaea</i> Burrowing four-o'clock	SE			beach dune/coastal strand
<i>Opuntia spinosissima</i> Florida semaphore cactus	FC, ST			tropical hardwood hammock, beach dune/coastal strand
<i>Opuntia triacantha</i> Keys Joe-jumper	SE			coastal rockland, rockland hammock
<i>Passiflora multiflora</i> White-flowered passionvine	SE			tropical hardwood hammock
<i>Peperomia humilis</i> Terrestrial peperomia	SE			mesic hammock, coastal berm, cypress swamp, maritime hammock
<i>Peperomia obtusifolia</i> Blunt-leaved peperomia	SE			rockland hammock, hydric hammock, strand swamp
<i>Phoradendron rubrum</i> Mahogany mistletoe	SE			rockland hammock
<i>Pilosocereus ahamensi</i> sBahamian tree cactus	SE			rockland hammock
<i>Poinsettia pinetorum</i> Everglades poinsettia	SE			pine rockland
<i>Polyrrhiza lindenii</i> Ghost orchid	SE			maritime hammock, swamps
<i>Pseudophoenix sargentii</i> Sargent's cherry palm	SE			rockland hammock
<i>Pteris bahamensis</i> Bahama ladder brake fern	ST			pine rockland, upland hammock
<i>Rhipsalis baccifera</i> Mistletoe cactus	SE			rockland hammock, mangrove swamp
<i>Rhododendron chapmanii</i> Chapman rhododendron	FE, SE		YES	scrubby flatwoods, disturbed areas, pine plantations
<i>Roystonea elata</i> Florida royal palm	SE			rockland hammock, strand swamp, shell mounds
<i>Sachsia polycephala</i> Bahama sachsia	ST			pine rockland
<i>Savia bahamensis</i> Maiden bush	SE			coastal thicket, maritime hammock
<i>Schaefferia frutescens</i> Yellow wood	SE			upland hammock

Table F-3

Protected Species and Associated Habitats Potentially Occurring in Monroe County

Species	Listing Status	Critical Habitat in Monroe County	Endangered Species Recovery Plan	Habitat
<i>Sphenomeris clavata</i> Wedgelet fern	SE			pine rockland, sinkholes
<i>Spiranthes torta</i> Southern ladies'-tresses	SE			pine rockland, marl prairie, rockland hammock
<i>Strumpfia maritima</i> Pride of Big-Pine	SE			coastal strand, coastal rock barren, pine rockland
<i>Stylosanthes calcicola</i> Everglades pencil flower	SE			pine rockland, marl prairie
<i>Swietenia mahagoni</i> West Indies mahagony	ST			rockland hammock, maritime hammock
<i>Thrinax morrisii</i> Brittle thatch palm	SE			rockland hammock, pine rockland
<i>Thrinax radiata</i> Florida thatch palm	SE			maritime hammock, upland hammock, coastal scrub
<i>Tillandsia flexuosa</i> Banded wild pine	ST			hammocks, pine rockland, swamps, shell mounds
<i>Tragia saxicola</i> Pineland noseburn	ST			pine rockland
<i>Tripsacum floridanum</i> Florida gama grass	ST			pine rockland
<i>Vallesia antillana</i> Pearl berry	SE			maritime hammock
<i>Vanilla barbellata</i> Worm-vine orchid	SE			rockland hammock, mangrove swamp
<i>Zanthoxylum flavum</i> Satinwood	SE			tropical coastal hammock

FE = Federally Endangered

SE = State Endangered

FT = Federally Threatened

ST = State Threatened

FT (S/A) = Federally Threatened due to similarity of appearance

SSC = State Species of Special Concern

FC = Federal Candidate Species

*Applies only to the subspecies *O. reces reses*