

# **FLORIDA'S ENDANGERED AND THREATENED SPECIES**



**Updated January 2017**

**FLORIDA FISH AND WILDLIFE CONSERVATION  
COMMISSION**

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## **CONTENTS**

<b>PREFACE.....</b>	<b>2</b>
<b>NUMERICAL SUMMARY OF SPECIES .....</b>	<b>4</b>
<b>OFFICIAL LISTS.....</b>	<b>5</b>
<b>VERTEBRATES .....</b>	<b>5</b>
FISH.....	5
AMPHIBIANS.....	5
REPTILES .....	5
BIRDS.....	6
MAMMALS .....	7
<b>INVERTEBRATES .....</b>	<b>8</b>
CORALS.....	8
CRUSTACEANS.....	8
INSECTS .....	9
MOLLUSKS.....	9
<b>Key to Abbreviations and Notations .....</b>	<b>10</b>
<b>SPECIES ADDED, REVISED, OR REMOVED SINCE 2010.....</b>	<b>11</b>

## **PREFACE**

This document consolidates the official State of Florida's Endangered and Threatened Species List of wildlife. The Florida Fish and Wildlife Conservation Commission (FWC) maintains the state list of animals designated as Federally-designated Endangered or Threatened, State-designated Threatened, or State-designated Species of Special Concern, in accordance with Rules 68A-27.003, and 68A-27.005, respectively, Florida Administrative Code (F.A.C.), <https://www.flrules.org/Default.asp>.

On November 8, 2010 new Threatened species rules approved by the Commission went into effect (<https://www.flrules.org/gateway/ChapterHome.asp?Chapter=68A-27>). The list of wildlife contained herein reflect the changes to the rules. All Federally listed species that occur in Florida are now included on Florida's list as Federally-designated Endangered or Federally-designated Threatened species. In addition, the State has a listing process to identify species that are not Federally listed but at risk of extinction. These species will be called State-designated Threatened.

All State-designated species underwent biological status reviews that were presented and approved at the June 2011 Commission meeting. Based on the status reviews and other information, staff recommended that 40 species evaluated be included on Florida's Endangered and Threatened Species List as State-designated Threatened, in addition to the three species (gopher tortoise, Miami blue butterfly and Panama City crayfish) that were reviewed in the past decade. Staff recommended that 15 species be removed from Florida's Endangered and Threatened Species List because they no longer met listing criteria. These listing status changes took effect on January 11, 2017, after the approval of Florida's Imperiled Species Management Plan. FWC will continue to maintain a small but separate Species of Special Concern category for six species (Homosassa shrew, Sherman's fox squirrel, osprey – Monroe County population, alligator snapping turtle, Panama City crayfish, and the harlequin darter) until federal listing decisions have been finalized, more information is gathered, or a management plan is finalized.

The State lists of plants, which are designated Endangered, Threatened, and Commercially Exploited, are administered and maintained by the Florida Department of Agriculture and Consumer Services (DOACS) via Chapter 5B-40, F.A.C. This list of plants can be obtained at <http://www.freshfromflorida.com/Divisions-Offices/Florida-Forest-Service/Our-Forests/Forest-Health/Florida-Statewide-Endangered-and-Threatened-Plant-Conservation-Program/Florida-s-Federally-Listed-Plant-Species>.

The Federal agencies that share the authority to list species as Endangered and Threatened are the National Oceanic and Atmospheric Administration-National Marine Fisheries Service (NOAA-NMFS) and the U. S. Fish and Wildlife Service (USFWS). The NOAA-NMFS is responsible for listing most marine species. The Federal list of animals and plants is administered by the USFWS, and this list is published in 50 CFR 17 (animals) and 50 CFR 23 (plants). Additional information regarding Federal listings can be located at the following websites; NOAA-NMFS - <http://www.nmfs.noaa.gov/pr/species/esa/listed.htm> and USFWS - [http://ecos.fws.gov/tess\\_public/reports/ad-hoc-species-report?kingdom=V&kingdom=I&status=E&status=T&status=EmE&status=EmT&status=EXPE&status=EXPN&status=SAE&status=SA T&mapstatus=3&fcrithab=on&fstatus=on&fspecrule=on&finvpop=on&fgroup=on&header=Listed+Animals](http://ecos.fws.gov/tess_public/reports/ad-hoc-species-report?kingdom=V&kingdom=I&status=E&status=T&status=EmE&status=EmT&status=EXPE&status=EXPN&status=SAE&status=SA T&mapstatus=3&fcrithab=on&fstatus=on&fspecrule=on&finvpop=on&fgroup=on&header=Listed+Animals).

- **Common and scientific names listed first are as they appear in the Florida Administrative Code, Title 68A. Common and/or scientific names following this and located within parentheses ( ) are names as used by USFWS, or other commonly used names.**

Bradley J. Gruver, Ph. D., SCP Section Leader  
Caly Coffey, Assistant Listed Species Coordinator  
Species Conservation Planning Section  
Division of Habitat and Species Conservation  
Florida Fish and Wildlife Conservation Commission

Cover Photos by FWC Staff: Key Largo Woodrat, Burrowing Owls, Okaloosa Darter, Schaus' swallowtail butterfly, Short-tailed Snake.

## **NUMERICAL SUMMARY OF SPECIES**

Listed by the State of Florida as Federally-designated Endangered (**FE**), Federally-designated Threatened (**FT**), Federally-designated Threatened due to Similarity of Appearance [**FT(S/A)**], Federal Non-Essential Experimental Population (**FXN**), State-designated Threatened (**ST**), or State Species of Special Concern (**SSC**).

<b>STATUS DESIGNATION</b>	<b>FISH</b>	<b>AMPHIBIANS</b>	<b>REPTILES</b>	<b>BIRDS</b>	<b>MAMMALS</b>	<b>INVERTEBRATES</b>	<b>TOTAL</b>
<b>FE</b>	3	1	4	8	23	13	52
<b>FT</b>	2	1	6	6	1	15	31
<b>FT(S/A)</b>	0	0	1	0	0	3	4
<b>FXN</b>	0	0	0	1	0	0	1
<b>ST</b>	6	2	8	16	4	2	38
<b>SSC</b>	1	0	1	1	2	1	6
<b>TOTAL</b>	<b>12</b>	<b>4</b>	<b>20</b>	<b>32</b>	<b>30</b>	<b>34</b>	<b>132</b>

# FLORIDA'S OFFICIAL ENDANGERED AND THREATENED SPECIES LIST

## VERTEBRATES

### FISH

Common Name	Scientific Name	Status
Atlantic sturgeon	<i>Acipenser oxyrinchus</i>	FE
Blackmouth shiner	<i>Notropis melanostomus</i>	ST
Bluenose shiner	<i>Pteronotropis welaka</i>	ST
Crystal darter	<i>Crystallaria asprella</i>	ST
Gulf sturgeon	<i>Acipenser oxyrinchus [=oxyrhynchus] desotoi</i>	FT
Harlequin darter	<i>Etheostoma histrio</i>	SSC
Key silverside	<i>Menidia conchorum</i>	ST
Okaloosa darter	<i>Etheostoma okaloosae</i>	FT
Saltmarsh topminnow	<i>Fundulus jenkinsi</i>	ST
Shortnose sturgeon	<i>Acipenser brevirostrum</i>	FE
Smalltooth sawfish	<i>Pristis pectinate</i>	FE
Southern tessellated darter	<i>Etheostoma olmstedii maculaticeps</i>	ST

### AMPHIBIANS

Common Name	Scientific Name	Status
Florida bog frog	<i>Lithobates okaloosae</i>	ST
Frosted flatwoods salamander	<i>Ambystoma cingulatum</i>	FT
Georgia blind salamander	<i>Haideotriton wallacei</i>	ST
Reticulated flatwoods salamander	<i>Ambystoma bishopi</i>	FE

### REPTILES

Common Name	Scientific Name	Status
Alligator snapping turtle	<i>Macrochelys temminckii</i>	SSC
American alligator	<i>Alligator mississippiensis</i>	FT(S/A)
American crocodile	<i>Crocodylus acutus</i>	FT
Atlantic salt marsh snake	<i>Nerodia clarkii taeniata</i>	FT
Barbour's map turtle	<i>Graptemys barbouri</i>	ST

Common Name	Scientific Name	Status
Bluetail mole skink	<i>Eumeces egregius lividus</i>	FT
Eastern indigo snake	<i>Drymarchon corais couperi</i>	FT
Florida brown snake <sup>1</sup>	<i>Storeria victa</i>	ST
Florida Keys mole skink	<i>Eumeces egregius egregius</i>	ST
Florida pine snake	<i>Pituophis melanoleucus mugitus</i>	ST
Gopher tortoise	<i>Gopherus polyphemus</i>	ST
Green sea turtle	<i>Chelonia mydas</i>	FE
Hawksbill sea turtle	<i>Eretmochelys imbricata</i>	FE
Kemp's ridley sea turtle	<i>Lepidochelys kempii</i>	FE
Key ringneck snake	<i>Diadophis punctatus acricus</i>	ST
Leatherback sea turtle	<i>Dermochelys coriacea</i>	FE
Loggerhead sea turtle	<i>Caretta caretta</i>	FT
Rim rock crowned snake	<i>Tantilla oolitica</i>	ST
Sand skink	<i>Neoseps reynoldsi</i>	FT
Short-tailed snake	<i>Stilosoma extenuatum</i>	ST

## **BIRDS**

Common Name	Scientific Name	Status
American oystercatcher	<i>Haematopus palliatus</i>	ST
Audubon's crested caracara	<i>Polyborus plancus audubonii</i>	FT
Bachman's wood warbler	<i>Vermivora bachmanii</i>	FE
Black skimmer	<i>Rynchops niger</i>	ST
Cape Sable seaside sparrow	<i>Ammodramus maritimus mirabilis</i>	FE
Eskimo curlew	<i>Numenius borealis</i>	FE
Everglade snail kite	<i>Rostrhamus sociabilis plumbeus</i>	FE
Florida burrowing owl	<i>Athene cunicularia floridana</i>	ST
Florida grasshopper sparrow	<i>Ammodramus savannarum floridanus</i>	FE
Florida sandhill crane	<i>Antigone canadensis pratensis</i>	ST
Florida scrub-jay	<i>Aphelocoma coerulescens</i>	FT
Ivory-billed woodpecker	<i>Campephilus principalis</i>	FE
Kirtland's warbler (Kirtland's wood warbler)	<i>Setophaga kirtlandii</i> ( <i>Dendroica kirtlandii</i> )	FE
Least tern	<i>Sternula antillarum</i>	ST
Little blue heron	<i>Egretta caerulea</i>	ST
Marian's marsh wren	<i>Cistothorus palustris marianae</i>	ST



Common Name	Scientific Name	Status
Osprey <sup>2</sup>	<i>Pandion haliaetus</i>	SSC
Piping plover	<i>Charadrius melodus</i>	FT
Red-cockaded woodpecker	<i>Picoides borealis</i>	FE
Reddish egret	<i>Egretta rufescens</i>	ST
Roseate spoonbill	<i>Platalea ajaja</i>	ST
Roseate tern	<i>Sterna dougallii dougallii</i>	FT
Rufa red knot	<i>Calidris canutus rufa</i>	FT
Scott's seaside sparrow	<i>Ammodramus maritimus peninsulae</i>	ST
Snowy plover	<i>Charadrius nivosus</i>	ST
Southeastern American kestrel	<i>Falco sparverius paulus</i>	ST
Tricolored heron	<i>Egretta tricolor</i>	ST
Wakulla seaside sparrow	<i>Ammodramus maritimus juncicola</i>	ST
White-crowned pigeon	<i>Patagioenas leucocephala</i>	ST
Whooping crane	<i>Grus americana</i>	FXN
Worthington's marsh wren	<i>Cistothorus palustris griseus</i>	ST
Wood stork	<i>Mycteria americana</i>	FT

## **MAMMALS**

Common Name	Scientific Name	Status
Anastasia Island beach mouse	<i>Peromyscus polionotus phasma</i>	FE
Big Cypress fox squirrel	<i>Sciurus niger avicennia</i>	ST
Caribbean monk seal	<i>Monachus tropicalis</i>	FE
Choctawhatchee beach mouse	<i>Peromyscus polionotus allophrys</i>	FE
Everglades mink	<i>Neovison vison evergladensis</i>	ST
Finback whale	<i>Balaenoptera physalus</i>	FE
Florida bonneted (mastiff) bat	<i>Eumops [=glaucinus] floridanus</i>	FE
Florida panther	<i>Puma [=Felis] concolor coryi</i>	FE
Florida salt marsh vole	<i>Microtus pennsylvanicus dukecampbelli</i>	FE
Gray bat	<i>Myotis grisescens</i>	FE
Gray wolf	<i>Canis lupus</i>	FE
Homosassa shrew	<i>Sorex longirostris eonis</i>	SSC
Humpback whale	<i>Megaptera novaeangliae</i>	FE
Indiana bat	<i>Myotis sodalis</i>	FE
Key deer	<i>Odocoileus virginianus clavium</i>	FE

Common Name	Scientific Name	Status
Key Largo cotton mouse	<i>Peromyscus gossypinus allapaticola</i>	FE
Key Largo woodrat	<i>Neotoma floridana smalli</i>	FE
Lower Keys rabbit	<i>Sylvilagus palustris hefneri</i>	FE
North Atlantic right whale	<i>Eubalaena glacialis</i>	FE
Perdido Key beach mouse	<i>Peromyscus polionotus trissyllepsis</i>	FE
Red wolf	<i>Canis rufus</i>	FE
Rice rat	<i>Oryzomys palustris natator</i>	FE <sup>1</sup>
Sanibel rice rat	<i>Oryzomys palustris sanibeli</i>	ST
Sei whale	<i>Balaenoptera borealis</i>	FE
Sherman's fox squirrel	<i>Sciurus niger shermani</i>	SSC
Sherman's short-tailed shrew	<i>Blarina [=carolinensis] shermani</i>	ST
Southeastern beach mouse	<i>Peromyscus polionotus niveiventris</i>	FT
Sperm whale	<i>Physeter catodon [=macrocephalus]</i>	FE
St. Andrew beach mouse	<i>Peromyscus polionotus peninsularis</i>	FE
West Indian manatee (Florida manatee)	<i>Trichechus manatus</i> ( <i>Trichechus manatus latirostris</i> )	FE

## INVERTEBRATES

### CORALS

Common Name	Scientific Name	Status
Boulder star coral	<i>Orbicella franksi</i>	FT
Elkhorn coral	<i>Acropora palmata</i>	FT
Lobed star coral	<i>Orbicella annularis</i>	FT
Mountainous star coral	<i>Orbicella faveolata</i>	FT
Pillar coral	<i>Dendrogyra cylindricus</i>	FT
Rough cactus coral	<i>Mycetophyllia ferox</i>	FT
Staghorn coral	<i>Acropora cervicornis</i>	FT

### CRUSTACEANS

Common Name	Scientific Name	Status
Black Creek crayfish (Spotted royal crayfish)	<i>Procambarus pictus</i>	ST

Common Name	Scientific Name	Status
Panama City crayfish	<i>Procambarus econfinae</i>	SSC
Santa Fe crayfish	<i>Procambarus erythropus</i>	ST
Squirrel Chimney Cave shrimp	<i>Palaemonetes cummingi</i>	FT

## **INSECTS**

Common Name	Scientific Name	Status
American burying beetle	<i>Nicrophorus americanus</i>	FE
Bartram's scrub-hairstreak	<i>Strymon acisbartrami</i>	FE
Cassius blue butterfly	<i>Leptotes cassius theonus</i>	FT(S/A)
Ceraunus blue butterfly	<i>Hemiargus ceraunus antibubastus</i>	FT(S/A)
Florida leafwing butterfly	<i>Anaea troglodyta floridalis</i>	FE
Miami blue butterfly	<i>Cyclargus thomasi bethunebakeri</i>	FE
Nickerbean blue butterfly	<i>Cyclargus ammon</i>	FT(S/A)
Schaus' swallowtail butterfly	<i>Heraclides aristodemus ponceanus</i>	FE

## **MOLLUSKS**

Common Name	Scientific Name	Status
Chipola slabshell (mussel)	<i>Elliptio chiplolaensis</i>	FT
Choctaw bean	<i>Villosa choctawensis</i>	FE
Fat threeridge (mussel)	<i>Amblema neislerii</i>	FE
Fuzzy pigtoe	<i>Pleurobema strodeanum</i>	FT
Gulf moccasinshell (mussel)	<i>Medionidus penicillatus</i>	FE
Narrow pigtoe	<i>Fusconai escambia</i>	FT
Ochlockonee moccasinshell (mussel)	<i>Medionidus simpsonianus</i>	FE
Oval pigtoe (mussel)	<i>Pleurobema pyriforme</i>	FE
Purple bankclimber (mussel)	<i>Elliptoideus sloatianus</i>	FT
Round ebonyshell	<i>Fusconaia rotulata</i>	FE
Shinyrayed pocketbook (mussel)	<i>Lampsilis subangulata</i>	FE
Southern kidneyshell	<i>Ptychobranhus jonesi</i>	FE
Southern sandshell	<i>Hamiota australis</i>	FT
Stock Island tree snail	<i>Orthalicus reses [not incl. nesodryas]</i>	FT
Tapered pigtoe	<i>Fusconaia burki</i>	FT

## **Key to Abbreviations and Notations**

### **List Abbreviations**

FWC =	Florida Fish and Wildlife Conservation Commission
FE =	Federally-designated Endangered
FT =	Federally-designated Threatened
FXN =	Federally-designated Threatened Nonessential Experimental Population
FT(S/A) =	Federally-designated Threatened species due to similarity of appearance
ST =	State-designated Threatened
SSC =	State Species of Special Concern

### **List Notations**

- <sup>1</sup> Lower keys population only.
- <sup>2</sup> Monroe County population only.

## **LISTING CHANGES SINCE 2010**

The Florida black bear was removed from Florida's Endangered and Threatened Species List on August 23, 2012 after approval by the Commission at the June 2012 Commission meeting. A new [Florida Black Bear Management Plan](#) was also approved at this meeting.

The Miami blue butterfly was emergency listed as Federally Endangered by the U.S. Fish and Wildlife Service on August 10, 2011. On April 6, 2012, the Miami blue was officially listed as Endangered by the U.S. Fish and Wildlife Service. Effective September 9, 2012 the FWC listed the Miami blue butterfly as Federally-designated Endangered on Florida's Endangered and Threatened Species List.

The Cassius blue butterfly, ceraunus blue butterfly, and nickerbean blue butterfly were emergency listed as Federally Threatened Due to Similarity of Appearance to the Miami blue by the U.S. Fish and Wildlife Service on August 10, 2011. On April 6, 2012, these three species were officially listed as Federally Threatened Due to Similarity of Appearance to the Miami blue by the U.S. Fish and Wildlife Service. These three species were listed on Florida's Endangered and Threatened Species List as Federally-designated Threatened by Similarity of Appearance to the Miami blue butterfly effective September 9, 2012, and as such only the following prohibitions apply to these three species:

- a. Incidental take, that is, take that results from, but is not a purpose of, carrying out an otherwise lawful activity will not apply to cassius blue butterfly, ceraunus blue butterfly, and nickerbean blue butterfly.
- b. Collection of the cassius blue butterfly, ceraunus blue butterfly, and nickerbean blue butterfly is prohibited in coastal counties south of Interstate 4 and extending to the boundaries of the State of Florida at the endpoints of Interstate 4 at Tampa and Daytona Beach. Specifically, such activities are prohibited in the following counties: Brevard, Broward, Charlotte, Collier, De Soto, Hillsborough, Indian River, Lee, Manatee, Pinellas, Sarasota, St. Lucie, Martin, Miami-Dade, Monroe, Palm Beach, and Volusia

The Okaloosa darter was reclassified by the U.S. Fish and Wildlife Service on effective May 2, 2011 from Federally Endangered to Federally Threatened. A special rule under Section 4d of the Endangered Species Act was also adopted that allows Eglin Air Force Base to continue activities with a reduced regulatory burden and will provide a net benefit to the Okaloosa darter.

Several species of mussels were Federally listed by the U.S. Fish and Wildlife Service on October 10, 2012. These species include the: round ebonyshell, southern kidneyshell, Choctaw bean (all Federally Endangered), tapered pigtoe, narrow pigtoe, southern sandshell, and fuzzy pigtoe (all Federally Threatened).

The Florida bonneted bat was listed as Federally Endangered by the U.S. Fish and Wildlife Service on October 2, 2013 after receiving a petition for emergency listing.

The wood stork was reclassified by the U.S. Fish and Wildlife Service on June 30, 2014, from Federally Endangered to Federally Threatened.

The Florida leafwing and Bartram's scrub-hairstreak butterfly were listed as Federally Endangered by the U.S. Fish and Wildlife Service on September 11, 2014.

The pillar coral was listed as Federally Threatened by the U.S. Fish and Wildlife Service on November 13, 2014.

The rufa red knot was listed as Federally Threatened by the U.S. Fish and Wildlife Service on January 12, 2015.

On January 11, 2017, the State listing status changes that were proposed back in 2010 became official after the approval of Florida's Imperiled Species Management Plan by FWC Commissioners.

- 15 species were removed from Florida's Endangered and Threatened Species List: Eastern chipmunk, Florida mouse, brown pelican, limpkin, snowy egret, white ibis, peninsula ribbon snake (Lower Keys population), red rat snake (Lower Keys population), striped mud turtle (Lower Keys population), Suwannee cooter, gopher frog, Pine Barrens tree frog, Lake Eustis pupfish, mangrove rivulus, and Florida tree snail.
- 23 species changed from State-designated Species of Special Concern to State-designated Threatened species: Sherman's short-tailed shrew, Sanibel rice rat, little blue heron, tricolored heron, reddish egret, roseate spoonbill, American oystercatcher, black skimmer, Florida burrowing owl, Marian's marsh wren, Worthington's Marsh wren, Scott's seaside sparrow, Wakulla seaside sparrow, Barbour's map turtle, Florida Keys mole skink, Florida pine snake, Georgia blind salamander, Florida bog frog, bluenose shiner, saltmarsh top minnow, Southern tessellated darter, Santa Fe crayfish, and Black Creek crayfish.
- 14 species keep their State-designated Threatened status: Everglades mink, Big Cypress fox squirrel, Florida sandhill crane, snowy plover, least tern, white-crowned pigeon, Southeastern American kestrel, Florida brown snake (Lower Keys population), Key ringneck snake, short-tailed snake, rim rock crowned snake, Key silverside, blackmouth shiner, and crystal darter.
- Five species listed as State-designated Species of Special Concern: (list species): Homosassa shrew, Sherman's fox squirrel, osprey (Monroe County population), alligator snapping turtle, and harlequin darter.