

IPaC Information for Planning and Consultation U.S. Fish & Wildlife Service

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

Florida



Local offices

North Florida Ecological Services Field Office

☎ (904) 731-3336

📅 (904) 731-3045

7915 Baymeadows Way, Suite 200
Jacksonville, FL 32256-7517

Panama City Ecological Services Field Office

☎ (850) 769-0552

📠 (850) 763-2177

1601 Balboa Avenue

Panama City, FL 32405-3792

<http://www.fws.gov/panamacity/specieslist.html>

<http://www.fws.gov/panamacity/pcdata.html>

South Florida Ecological Services Field Office

☎ (772) 562-3909

📠 (772) 562-4288

1339 20th Street

Vero Beach, FL 32960-3559

<http://fws.gov/verobeach>

NOT FOR CONSULTATION

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population, even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species¹ and their critical habitats are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries²).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact [NOAA Fisheries](#) for [species under their jurisdiction](#).

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1. Species listed under the [Endangered Species Act](#) are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information.
 2. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Mammals

NAME	STATUS
<p>Anastasia Island Beach Mouse <i>Peromyscus polionotus</i> phasma</p> <p>No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/5522</p>	Endangered
<p>Choctawhatchee Beach Mouse <i>Peromyscus polionotus</i> allophrys</p> <p>There is final critical habitat for this species. Your location overlaps the critical habitat. https://ecos.fws.gov/ecp/species/3520</p>	Endangered
<p>Florida Bonneted Bat <i>Eumops floridanus</i></p> <p>No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/8630</p>	Endangered
<p>Florida Panther <i>Puma (=Felis) concolor coryi</i></p> <p>No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/1763</p>	Endangered
<p>Florida Salt Marsh Vole <i>Microtus pennsylvanicus</i> dukecampbelli</p> <p>No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6984</p>	Endangered
<p>Gray Bat <i>Myotis grisescens</i></p> <p>No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6329</p>	Endangered
<p>Key Deer <i>Odocoileus virginianus clavium</i></p> <p>No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6326</p>	Endangered
<p>Key Largo Cotton Mouse <i>Peromyscus gossypinus allapaticola</i></p> <p>There is proposed critical habitat for this species. The location of the critical habitat is not available. https://ecos.fws.gov/ecp/species/7246</p>	Endangered
<p>Key Largo Woodrat <i>Neotoma floridana smalli</i></p> <p>No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/3921</p>	Endangered

Lower Keys Marsh Rabbit <i>Sylvilagus palustris hefneri</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/2658	Endangered
Perdido Key Beach Mouse <i>Peromyscus polionotus trissyllepsis</i> There is final critical habitat for this species. Your location overlaps the critical habitat. https://ecos.fws.gov/ecp/species/7394	Endangered
Puma (=mountain Lion) <i>Puma (=Felis) concolor</i> (all subsp. except coryi) No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6049	SAT
Silver Rice Rat <i>Oryzomys palustris natator</i> There is final critical habitat for this species. Your location overlaps the critical habitat. https://ecos.fws.gov/ecp/species/6988	Endangered
Southeastern Beach Mouse <i>Peromyscus polionotus niveiventris</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/3951	Threatened
St. Andrew Beach Mouse <i>Peromyscus polionotus peninsularis</i> There is final critical habitat for this species. Your location overlaps the critical habitat. https://ecos.fws.gov/ecp/species/4111	Endangered
West Indian Manatee <i>Trichechus manatus</i> There is final critical habitat for this species. Your location overlaps the critical habitat. https://ecos.fws.gov/ecp/species/4469	Threatened Marine mammal

Birds

NAME	STATUS
Audubon's Crested Caracara <i>Polyborus plancus audubonii</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/8250	Threatened

Bachman's Warbler (=wood) <i>Vermivora bachmanii</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/3232	Endangered
Cape Sable Seaside Sparrow <i>Ammodramus maritimus mirabilis</i> There is final critical habitat for this species. Your location overlaps the critical habitat. https://ecos.fws.gov/ecp/species/6584	Endangered
Eastern Black Rail <i>Laterallus jamaicensis ssp. jamaicensis</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/10477	Proposed Threatened
Everglade Snail Kite <i>Rostrhamus sociabilis plumbeus</i> There is final critical habitat for this species. Your location overlaps the critical habitat. https://ecos.fws.gov/ecp/species/7713	Endangered
Florida Grasshopper Sparrow <i>Ammodramus savannarum floridanus</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/32	Endangered
Florida Scrub-jay <i>Aphelocoma coerulescens</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6174	Threatened
Ivory-billed Woodpecker <i>Campephilus principalis</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/8230	Endangered
Piping Plover <i>Charadrius melodus</i> There is final critical habitat for this species. Your location overlaps the critical habitat. https://ecos.fws.gov/ecp/species/6039	Threatened
Red Knot <i>Calidris canutus rufa</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/1864	Threatened

Red-cockaded Woodpecker <i>Picoides borealis</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/7614	Endangered
Roseate Tern <i>Sterna dougallii dougallii</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/2083	Threatened
Whooping Crane <i>Grus americana</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/758	EXPN
Wood Stork <i>Mycteria americana</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/8477	Threatened

Reptiles

NAME	STATUS
American Alligator <i>Alligator mississippiensis</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/776	SAT
American Crocodile <i>Crocodylus acutus</i> There is final critical habitat for this species. Your location overlaps the critical habitat. https://ecos.fws.gov/ecp/species/6604	Threatened
Atlantic Salt Marsh Snake <i>Nerodia clarkii taeniata</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/7729	Threatened
Bluetail Mole Skink <i>Eumeces egregius lividus</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/2203	Threatened
Eastern Indigo Snake <i>Drymarchon corais couperi</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/646	Threatened

Gopher Tortoise <i>Gopherus polyphemus</i>	Candidate
No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6994	
Green Sea Turtle <i>Chelonia mydas</i>	Threatened
There is final critical habitat for this species. Your location is outside the critical habitat. https://ecos.fws.gov/ecp/species/6199	
Hawksbill Sea Turtle <i>Eretmochelys imbricata</i>	Endangered
There is final critical habitat for this species. Your location is outside the critical habitat. https://ecos.fws.gov/ecp/species/3656	
Kemp's Ridley Sea Turtle <i>Lepidochelys kempii</i>	Endangered
There is proposed critical habitat for this species. The location of the critical habitat is not available. https://ecos.fws.gov/ecp/species/5523	
Leatherback Sea Turtle <i>Dermochelys coriacea</i>	Endangered
There is final critical habitat for this species. Your location is outside the critical habitat. https://ecos.fws.gov/ecp/species/1493	
Loggerhead Sea Turtle <i>Caretta caretta</i>	Threatened
There is final critical habitat for this species. Your location overlaps the critical habitat. https://ecos.fws.gov/ecp/species/1110	
Sand Skink <i>Neoseps reynoldsi</i>	Threatened
No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/4094	

Amphibians

NAME	STATUS
Frosted Flatwoods Salamander <i>Ambystoma cingulatum</i>	Threatened
There is final critical habitat for this species. Your location overlaps the critical habitat. https://ecos.fws.gov/ecp/species/4981	

Reticulated Flatwoods Salamander *Ambystoma bishopi* Endangered
 There is **final** critical habitat for this species. Your location overlaps the critical habitat.
<https://ecos.fws.gov/ecp/species/8939>

Fishes

NAME	STATUS
Atlantic Sturgeon (gulf Subspecies) <i>Acipenser oxyrinchus</i> (= <i>oxyrinchus</i>) <i>desotoi</i> There is final critical habitat for this species. Your location overlaps the critical habitat. https://ecos.fws.gov/ecp/species/651	Threatened
Okaloosa Darter <i>Etheostoma okaloosae</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/914	Threatened

Clams

NAME	STATUS
Chipola Slabshell <i>Elliptio chipolaensis</i> There is final critical habitat for this species. Your location overlaps the critical habitat. https://ecos.fws.gov/ecp/species/1775	Threatened
Choctaw Bean <i>Villosa choctawensis</i> There is final critical habitat for this species. Your location overlaps the critical habitat. https://ecos.fws.gov/ecp/species/5038	Endangered
Fat Threeridge (mussel) <i>Amblema neislerii</i> There is final critical habitat for this species. Your location overlaps the critical habitat. https://ecos.fws.gov/ecp/species/2574	Endangered
Fuzzy Pigtoe <i>Pleurobema strodeanum</i> There is final critical habitat for this species. Your location overlaps the critical habitat. https://ecos.fws.gov/ecp/species/3417	Threatened

Gulf Moccasinshell	<i>Medionidus penicillatus</i>	Endangered
There is final critical habitat for this species. Your location overlaps the critical habitat.		
https://ecos.fws.gov/ecp/species/7663		
Narrow Pigtoe	<i>Fusconaia escambia</i>	Threatened
There is final critical habitat for this species. Your location overlaps the critical habitat.		
https://ecos.fws.gov/ecp/species/5040		
Ochlockonee Moccasinshell	<i>Medionidus simpsonianus</i>	Endangered
There is final critical habitat for this species. Your location overlaps the critical habitat.		
https://ecos.fws.gov/ecp/species/8083		
Oval Pigtoe	<i>Pleurobema pyriforme</i>	Endangered
There is final critical habitat for this species. Your location overlaps the critical habitat.		
https://ecos.fws.gov/ecp/species/4132		
Purple Bankclimber (mussel)	<i>Elliptoideus sloatianus</i>	Threatened
There is final critical habitat for this species. Your location overlaps the critical habitat.		
https://ecos.fws.gov/ecp/species/7660		
Round Ebonyshell	<i>Fusconaia rotulata</i>	Endangered
There is final critical habitat for this species. Your location overlaps the critical habitat.		
https://ecos.fws.gov/ecp/species/3039		
Shinyrayed Pocketbook	<i>Lampsilis subangulata</i>	Endangered
There is final critical habitat for this species. Your location overlaps the critical habitat.		
https://ecos.fws.gov/ecp/species/6517		
Southern Kidneyshell	<i>Ptychobranhus jonesi</i>	Endangered
There is final critical habitat for this species. Your location overlaps the critical habitat.		
https://ecos.fws.gov/ecp/species/7539		
Southern Sandshell	<i>Hamiota australis</i>	Threatened
There is final critical habitat for this species. Your location overlaps the critical habitat.		
https://ecos.fws.gov/ecp/species/2551		

Suwannee Moccasinshell *Medionidus walkeri* Threatened
 No critical habitat has been designated for this species.
<https://ecos.fws.gov/ecp/species/533>

Tapered Pigtoe *Fusconaia burkei* Threatened
 There is **final** critical habitat for this species. Your location overlaps the critical habitat.
<https://ecos.fws.gov/ecp/species/5046>

Snails

NAME	STATUS
Stock Island Tree Snail <i>Orthalicus reses</i> (not incl. <i>nesodryas</i>) No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/466	Threatened

Insects

NAME	STATUS
Bartram's Hairstreak Butterfly <i>Strymon acis bartrami</i> There is final critical habitat for this species. Your location overlaps the critical habitat. https://ecos.fws.gov/ecp/species/4837	Endangered
Florida Leafwing Butterfly <i>Anaea troglodyta floridaalis</i> There is final critical habitat for this species. Your location overlaps the critical habitat. https://ecos.fws.gov/ecp/species/6652	Endangered
Miami Blue Butterfly <i>Cyclargus (=Hemiargus) thomasi bethunebakeri</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/3797	Endangered
Schaus Swallowtail Butterfly <i>Heraclides aristodemus ponceanus</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/1951	Endangered

Crustaceans

NAME	STATUS
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Panama City Crayfish *Procambarus econfinae* Proposed Threatened
 No critical habitat has been designated for this species.
<https://ecos.fws.gov/ecp/species/8915>

Squirrel Chimney Cave Shrimp *Palaemonetes cummingi* Threatened
 No critical habitat has been designated for this species.
<https://ecos.fws.gov/ecp/species/1551>

Flowering Plants

NAME	STATUS
Aboriginal Prickly-apple <i>Harrisia (=Cereus) aboriginum</i> (=gracilis) There is final critical habitat for this species. Your location overlaps the critical habitat. https://ecos.fws.gov/ecp/species/2833	Endangered
American Chaffseed <i>Schwalbea americana</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/1286	Endangered
Apalachicola Rosemary <i>Conradina glabra</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6389	Endangered
Avon Park Harebells <i>Crotalaria avonensis</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/7093	Endangered
Beach Jacquemontia <i>Jacquemontia reclinata</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/1277	Endangered
Beautiful Pawpaw <i>Deeringothamnus pulchellus</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/4069	Endangered
Big Pine Partridge Pea <i>Chamaecrista lineata keyensis</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/8416	Endangered

Blodgett's Silverbush <i>Argythamnia blodgettii</i>	Threatened
No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6823	
Britton's Beargrass <i>Nolina brittoniana</i>	Endangered
No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/4460	
Brooksville Bellflower <i>Campanula robinsiae</i>	Endangered
No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/5809	
Cape Sable Thoroughwort <i>Chromolaena frustrata</i>	Endangered
There is final critical habitat for this species. Your location overlaps the critical habitat. https://ecos.fws.gov/ecp/species/4733	
Carter's Mustard <i>Warea carteri</i>	Endangered
No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/5583	
Carter's Small-flowered Flax <i>Linum carteri carteri</i>	Endangered
There is final critical habitat for this species. Your location overlaps the critical habitat. https://ecos.fws.gov/ecp/species/7208	
Chapman Rhododendron <i>Rhododendron chapmanii</i>	Endangered
No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/3168	
Cooley's Meadowrue <i>Thalictrum cooleyi</i>	Endangered
No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/3281	
Cooley's Water-willow <i>Justicia cooleyi</i>	Endangered
No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/4653	
Crenulate Lead-plant <i>Amorpha crenulata</i>	Endangered
No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6470	

Deltoid Spurge <i>Chamaesyce deltoidea</i> ssp. <i>deltoidea</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/199	Endangered
Etonia Rosemary <i>Conradina etonia</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/5841	Endangered
Everglades Bully <i>Sideroxylon reclinatum</i> ssp. <i>austrofloridense</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/4735	Threatened
Florida Bonamia <i>Bonamia grandiflora</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/2230	Threatened
Florida Brickell-bush <i>Brickellia mosieri</i> There is final critical habitat for this species. Your location overlaps the critical habitat. https://ecos.fws.gov/ecp/species/956	Endangered
Florida Golden Aster <i>Chrysopsis floridana</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/5352	Endangered
Florida Pineland Crabgrass <i>Digitaria pauciflora</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/3728	Threatened
Florida Prairie-clover <i>Dalea carthagenensis floridana</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/2300	Endangered
Florida Semaphore Cactus <i>Consolea corallicola</i> There is final critical habitat for this species. Your location overlaps the critical habitat. https://ecos.fws.gov/ecp/species/4356	Endangered
Florida Skullcap <i>Scutellaria floridana</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/2240	Threatened

Florida Ziziphus <i>Ziziphus celata</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/2950	Endangered
Four-petal Pawpaw <i>Asimina tetramera</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/3461	Endangered
Fragrant Prickly-apple <i>Cereus eriophorus</i> var. <i>fragens</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/982	Endangered
Fringed Campion <i>Silene polypetala</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/3738	Endangered
Garber's Spurge <i>Chamaesyce garberi</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/8229	Threatened
Garrett's Mint <i>Dicerandra christmanii</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/8333	Endangered
Gentian Pinkroot <i>Spigelia gentianoides</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/4583	Endangered
Godfrey's Butterwort <i>Pinguicula ionantha</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6805	Threatened
Harper's Beauty <i>Harperocallis flava</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/3735	Endangered
Highlands Scrub Hypericum <i>Hypericum cumulicola</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/2940	Endangered

Key Tree Cactus <i>Pilosocereus robinii</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/2520	Endangered
Lakela's Mint <i>Dicerandra immaculata</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6390	Endangered
Lewton's Polygala <i>Polygala lewtonii</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6688	Endangered
Longspurred Mint <i>Dicerandra cornutissima</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/1660	Endangered
Miccosukee Gooseberry <i>Ribes echinellum</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/3580	Threatened
Okeechobee Gourd <i>Cucurbita okeechobeensis</i> ssp. <i>okeechobeensis</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/5999	Endangered
Papery Whitlow-wort <i>Paronychia chartacea</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/1465	Threatened
Pigeon Wings <i>Clitoria fragrans</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/991	Threatened
Pineland Sandmat <i>Chamaesyce deltoidea pinetorum</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/1914	Threatened
Pygmy Fringe-tree <i>Chionanthus pygmaeus</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/1084	Endangered

Rugel's Pawpaw <i>Deeringothamnus rugelii</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/5355	Endangered
Sand Flax <i>Linum arenicola</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/4313	Endangered
Sandlace <i>Polygonella myriophylla</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/5745	Endangered
Scrub Blazingstar <i>Liatris ohlingerae</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/864	Endangered
Scrub Buckwheat <i>Eriogonum longifolium</i> var. <i>gnaphalifolium</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/5940	Threatened
Scrub Lupine <i>Lupinus aridorum</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/736	Endangered
Scrub Mint <i>Dicerandra frutescens</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/799	Endangered
Scrub Plum <i>Prunus geniculata</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/2238	Endangered
Short-leaved Rosemary <i>Conradina brevifolia</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/2929	Endangered
Small's Milkpea <i>Galactia smallii</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/3360	Endangered

Snakeroot <i>Eryngium cuneifolium</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/7487	Endangered
Telephus Spurge <i>Euphorbia telephioides</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/5499	Threatened
Tiny Polygala <i>Polygala smallii</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/996	Endangered
Wedge Spurge <i>Chamaesyce deltoidea serpyllum</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/949	Endangered
White Birds-in-a-nest <i>Macbridea alba</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6291	Threatened
Wide-leaf Warea <i>Warea amplexifolia</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/412	Endangered
Wireweed <i>Polygonella basiramia</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/1718	Endangered

Conifers and Cycads

NAME	STATUS
Florida Torreya <i>Torreya taxifolia</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/5391	Endangered

Ferns and Allies

NAME	STATUS
Florida Bristle Fern <i>Trichomanes punctatum</i> ssp. <i>floridanum</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/8739	Endangered

Lichens

NAME	STATUS
Florida Perforate Cladonia <i>Cladonia perforata</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/7516	Endangered

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

This location overlaps the critical habitat for the following species:

NAME	TYPE
Aboriginal Prickly-apple <i>Harrisia (=Cereus) aboriginum</i> (= <i>gracilis</i>) https://ecos.fws.gov/ecp/species/2833#crithab	Final
American Crocodile <i>Crocodylus acutus</i> https://ecos.fws.gov/ecp/species/6604#crithab	Final
Atlantic Sturgeon (gulf Subspecies) <i>Acipenser oxyrinchus</i> (= <i>oxyrinchus</i>) <i>desotoi</i> https://ecos.fws.gov/ecp/species/651#crithab	Final
Bartram's Hairstreak Butterfly <i>Strymon acis bartrami</i> https://ecos.fws.gov/ecp/species/4837#crithab	Final
Cape Sable Seaside Sparrow <i>Ammodramus maritimus</i> <i>mirabilis</i> https://ecos.fws.gov/ecp/species/6584#crithab	Final
Cape Sable Thoroughwort <i>Chromolaena frustrata</i> https://ecos.fws.gov/ecp/species/4733#crithab	Final
Carter's Small-flowered Flax <i>Linum carteri carteri</i> https://ecos.fws.gov/ecp/species/7208#crithab	Final
Chipola Slabshell <i>Elliptio chipolaensis</i> https://ecos.fws.gov/ecp/species/1775#crithab	Final

Choctaw Bean <i>Villosa choctawensis</i> https://ecos.fws.gov/ecp/species/5038#crithab	Final
Choctawhatchee Beach Mouse <i>Peromyscus polionotus</i> <i>allophrys</i> https://ecos.fws.gov/ecp/species/3520#crithab	Final
Everglade Snail Kite <i>Rostrhamus sociabilis plumbeus</i> https://ecos.fws.gov/ecp/species/7713#crithab	Final
Fat Threeridge (mussel) <i>Amblema neislerii</i> https://ecos.fws.gov/ecp/species/2574#crithab	Final
Florida Brickell-bush <i>Brickellia mosieri</i> https://ecos.fws.gov/ecp/species/956#crithab	Final
Florida Leafwing Butterfly <i>Anaea troglodyta floridalis</i> https://ecos.fws.gov/ecp/species/6652#crithab	Final
Florida Semaphore Cactus <i>Consolea corallicola</i> https://ecos.fws.gov/ecp/species/4356#crithab	Final
Frosted Flatwoods Salamander <i>Ambystoma cingulatum</i> https://ecos.fws.gov/ecp/species/4981#crithab	Final
Fuzzy Pigtoe <i>Pleurobema strodeanum</i> https://ecos.fws.gov/ecp/species/3417#crithab	Final
Gulf Moccasinshell <i>Medionidus penicillatus</i> https://ecos.fws.gov/ecp/species/7663#crithab	Final
Loggerhead Sea Turtle <i>Caretta caretta</i> https://ecos.fws.gov/ecp/species/1110#crithab	Final
Narrow Pigtoe <i>Fusconaia escambia</i> https://ecos.fws.gov/ecp/species/5040#crithab	Final
Ochlockonee Moccasinshell <i>Medionidus simpsonianus</i> https://ecos.fws.gov/ecp/species/8083#crithab	Final

Oval Pigtoe <i>Pleurobema pyriforme</i> https://ecos.fws.gov/ecp/species/4132#crithab	Final
Perdido Key Beach Mouse <i>Peromyscus polionotus</i> <i>trissyllepsis</i> https://ecos.fws.gov/ecp/species/7394#crithab	Final
Piping Plover <i>Charadrius melodus</i> https://ecos.fws.gov/ecp/species/6039#crithab	Final
Purple Bankclimber (mussel) <i>Elliptoideus sloatianus</i> https://ecos.fws.gov/ecp/species/7660#crithab	Final
Reticulated Flatwoods Salamander <i>Ambystoma bishopi</i> https://ecos.fws.gov/ecp/species/8939#crithab	Final
Round Ebonyshell <i>Fusconaia rotulata</i> https://ecos.fws.gov/ecp/species/3039#crithab	Final
Shinyrayed Pocketbook <i>Lampsilis subangulata</i> https://ecos.fws.gov/ecp/species/6517#crithab	Final
Silver Rice Rat <i>Oryzomys palustris natator</i> https://ecos.fws.gov/ecp/species/6988#crithab	Final
Southern Kidneyshell <i>Ptychobranhus jonesi</i> https://ecos.fws.gov/ecp/species/7539#crithab	Final
Southern Sandshell <i>Hamiota australis</i> https://ecos.fws.gov/ecp/species/2551#crithab	Final
St. Andrew Beach Mouse <i>Peromyscus polionotus</i> <i>peninsularis</i> https://ecos.fws.gov/ecp/species/4111#crithab	Final
Tapered Pigtoe <i>Fusconaia burkei</i> https://ecos.fws.gov/ecp/species/5046#crithab	Final
West Indian Manatee <i>Trichechus manatus</i> https://ecos.fws.gov/ecp/species/4469#crithab	Final

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern <http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php>
- Measures for avoiding and minimizing impacts to birds <http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Nationwide conservation measures for birds <http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf>

MIGRATORY BIRD INFORMATION IS NOT AVAILABLE AT THIS TIME

Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) and/or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the migratory birds potentially occurring in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [AKN Phenology Tool](#).

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go to the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: [The Cornell Lab of Ornithology All About Birds Bird Guide](#), or (if you are unsuccessful in locating the bird of interest there), the [Cornell Lab of Ornithology Neotropical Birds guide](#). If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year,

including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Marine mammals

Marine mammals are protected under the [Marine Mammal Protection Act](#). Some are also protected under the Endangered Species Act¹ and the Convention on International Trade in Endangered Species of Wild Fauna and Flora².

The responsibilities for the protection, conservation, and management of marine mammals are shared by the U.S. Fish and Wildlife Service [responsible for otters, walrus, polar bears, manatees, and dugongs] and NOAA Fisheries³ [responsible for seals, sea lions, whales, dolphins, and porpoises]. Marine mammals under the responsibility of NOAA Fisheries are **not** shown on this list; for additional information on those species please visit the [Marine Mammals](#) page of the NOAA Fisheries website.

The Marine Mammal Protection Act prohibits the take (to harass, hunt, capture, kill, or attempt to harass, hunt, capture or kill) of marine mammals and further coordination may be necessary for project evaluation. Please contact the U.S. Fish and Wildlife Service Field Office shown.

1. The [Endangered Species Act](#) (ESA) of 1973.
2. The [Convention on International Trade in Endangered Species of Wild Fauna and Flora](#) (CITES) is a treaty to ensure that international trade in plants and animals does not threaten their survival in the wild.
3. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following marine mammals under the responsibility of the U.S. Fish and Wildlife Service are potentially affected by activities in this location:

NAME

West Indian Manatee *Trichechus manatus*
<https://ecos.fws.gov/ecp/species/4469>

Facilities

Wildlife refuges and fish hatcheries

REFUGE AND FISH HATCHERY INFORMATION IS NOT AVAILABLE AT THIS TIME

Wetlands in the National Wetlands Inventory

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

WETLAND INFORMATION IS NOT AVAILABLE AT THIS TIME

This can happen when the National Wetlands Inventory (NWI) map service is unavailable, or for very large projects that intersect many wetland areas. Try again, or visit the [NWI map](#) to view wetlands at this location.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.