

# 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/pdata.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 species<sup>1</sup> 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 Fisheries<sup>2</sup>).

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](#).

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

Anastasia Island Beach Mouse	<i>Peromyscus polionotus phasma</i>	Endangered
No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/5522">https://ecos.fws.gov/ecp/species/5522</a>		
Choctawhatchee Beach Mouse	<i>Peromyscus polionotus allophrys</i>	Endangered
There is <b>final</b> critical habitat for this species. Your location overlaps the critical habitat. <a href="https://ecos.fws.gov/ecp/species/3520">https://ecos.fws.gov/ecp/species/3520</a>		
Florida Bonneted Bat	<i>Eumops floridanus</i>	Endangered
No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/8630">https://ecos.fws.gov/ecp/species/8630</a>		
Florida Panther	<i>Puma (=Felis) concolor coryi</i>	Endangered
No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/1763">https://ecos.fws.gov/ecp/species/1763</a>		
Florida Salt Marsh Vole	<i>Microtus pennsylvanicus dukecampbelli</i>	Endangered
No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/6984">https://ecos.fws.gov/ecp/species/6984</a>		
Gray Bat	<i>Myotis grisescens</i>	Endangered
No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/6329">https://ecos.fws.gov/ecp/species/6329</a>		
Key Deer	<i>Odocoileus virginianus clavium</i>	Endangered
No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/6326">https://ecos.fws.gov/ecp/species/6326</a>		
Key Largo Cotton Mouse	<i>Peromyscus gossypinus allapaticola</i>	Endangered
There is <b>proposed</b> critical habitat for this species. The location of the critical habitat is not available. <a href="https://ecos.fws.gov/ecp/species/7246">https://ecos.fws.gov/ecp/species/7246</a>		
Key Largo Woodrat	<i>Neotoma floridana smalli</i>	Endangered
No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/3921">https://ecos.fws.gov/ecp/species/3921</a>		
Lower Keys Marsh Rabbit	<i>Sylvilagus palustris hefneri</i>	Endangered
No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/2658">https://ecos.fws.gov/ecp/species/2658</a>		

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

## Birds

NAME	STATUS
<p><b>Audubon's Crested Caracara</b> <i>Polyborus plancus audubonii</i>          No critical habitat has been designated for this species.  <a href="https://ecos.fws.gov/ecp/species/8250">https://ecos.fws.gov/ecp/species/8250</a></p>	Threatened
<p><b>Bachman's Warbler (=wood)</b> <i>Vermivora bachmanii</i>          No critical habitat has been designated for this species.  <a href="https://ecos.fws.gov/ecp/species/3232">https://ecos.fws.gov/ecp/species/3232</a></p>	Endangered
<p><b>Cape Sable Seaside Sparrow</b> <i>Ammodramus maritimus mirabilis</i>          There is <b>final</b> critical habitat for this species. Your location overlaps the critical habitat.  <a href="https://ecos.fws.gov/ecp/species/6584">https://ecos.fws.gov/ecp/species/6584</a></p>	Endangered

Everglade Snail Kite <i>Rostrhamus sociabilis plumbeus</i>	Endangered
There is <b>final</b> critical habitat for this species. Your location overlaps the critical habitat. <a href="https://ecos.fws.gov/ecp/species/7713">https://ecos.fws.gov/ecp/species/7713</a>	
Florida Grasshopper Sparrow <i>Ammodramus savannarum floridanus</i>	Endangered
No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/32">https://ecos.fws.gov/ecp/species/32</a>	
Florida Scrub-jay <i>Aphelocoma coerulescens</i>	Threatened
No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/6174">https://ecos.fws.gov/ecp/species/6174</a>	
Ivory-billed Woodpecker <i>Campephilus principalis</i>	Endangered
No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/8230">https://ecos.fws.gov/ecp/species/8230</a>	
Kirtland's Warbler <i>Setophaga kirtlandii</i> (= <i>Dendroica kirtlandii</i> )	Endangered
No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/8078">https://ecos.fws.gov/ecp/species/8078</a>	
Piping Plover <i>Charadrius melodus</i>	Threatened
There is <b>final</b> critical habitat for this species. Your location overlaps the critical habitat. <a href="https://ecos.fws.gov/ecp/species/6039">https://ecos.fws.gov/ecp/species/6039</a>	
Red Knot <i>Calidris canutus rufa</i>	Threatened
No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/1864">https://ecos.fws.gov/ecp/species/1864</a>	
Red-cockaded Woodpecker <i>Picoides borealis</i>	Endangered
No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/7614">https://ecos.fws.gov/ecp/species/7614</a>	
Roseate Tern <i>Sterna dougallii dougallii</i>	Threatened
No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/2083">https://ecos.fws.gov/ecp/species/2083</a>	
Whooping Crane <i>Grus americana</i>	EXPN
No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/758">https://ecos.fws.gov/ecp/species/758</a>	
Wood Stork <i>Mycteria americana</i>	Threatened
No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/8477">https://ecos.fws.gov/ecp/species/8477</a>	

# Reptiles

NAME	STATUS
American Alligator <i>Alligator mississippiensis</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/776">https://ecos.fws.gov/ecp/species/776</a>	SAT
American Crocodile <i>Crocodylus acutus</i> There is <b>final</b> critical habitat for this species. Your location overlaps the critical habitat. <a href="https://ecos.fws.gov/ecp/species/6604">https://ecos.fws.gov/ecp/species/6604</a>	Threatened
Atlantic Salt Marsh Snake <i>Nerodia clarkii taeniata</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/7729">https://ecos.fws.gov/ecp/species/7729</a>	Threatened
Bluetail Mole Skink <i>Eumeces egregius lividus</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/2203">https://ecos.fws.gov/ecp/species/2203</a>	Threatened
Eastern Indigo Snake <i>Drymarchon corais couperi</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/646">https://ecos.fws.gov/ecp/species/646</a>	Threatened
Gopher Tortoise <i>Gopherus polyphemus</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/6994">https://ecos.fws.gov/ecp/species/6994</a>	Candidate
Green Sea Turtle <i>Chelonia mydas</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/6199">https://ecos.fws.gov/ecp/species/6199</a>	Threatened
Hawksbill Sea Turtle <i>Eretmochelys imbricata</i> There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat. <a href="https://ecos.fws.gov/ecp/species/3656">https://ecos.fws.gov/ecp/species/3656</a>	Endangered
Kemp's Ridley Sea Turtle <i>Lepidochelys kempii</i> There is <b>proposed</b> critical habitat for this species. The location of the critical habitat is not available. <a href="https://ecos.fws.gov/ecp/species/5523">https://ecos.fws.gov/ecp/species/5523</a>	Endangered
Leatherback Sea Turtle <i>Dermochelys coriacea</i> There is <b>final</b> critical habitat for this species. Your location is outside the critical habitat. <a href="https://ecos.fws.gov/ecp/species/1493">https://ecos.fws.gov/ecp/species/1493</a>	Endangered

Loggerhead Sea Turtle *Caretta caretta* Threatened  
 There is **final** critical habitat for this species. Your location overlaps the critical habitat.  
<https://ecos.fws.gov/ecp/species/1110>

Sand Skink *Neoseps reynoldsi* 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> There is <b>final</b> critical habitat for this species. Your location overlaps the critical habitat. <a href="https://ecos.fws.gov/ecp/species/4981">https://ecos.fws.gov/ecp/species/4981</a>	Threatened
Reticulated Flatwoods Salamander <i>Ambystoma bishopi</i> There is <b>final</b> critical habitat for this species. Your location overlaps the critical habitat. <a href="https://ecos.fws.gov/ecp/species/8939">https://ecos.fws.gov/ecp/species/8939</a>	Endangered
Striped Newt <i>Notophthalmus perstriatus</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/5856">https://ecos.fws.gov/ecp/species/5856</a>	Candidate

## Fishes

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

## Clams

NAME	STATUS
Chipola Slabshell <i>Elliptio chipolaensis</i> There is <b>final</b> critical habitat for this species. Your location overlaps the critical habitat. <a href="https://ecos.fws.gov/ecp/species/1775">https://ecos.fws.gov/ecp/species/1775</a>	Threatened

Choctaw Bean <i>Villosa choctawensis</i>	Endangered
There is <b>final</b> critical habitat for this species. Your location overlaps the critical habitat. <a href="https://ecos.fws.gov/ecp/species/5038">https://ecos.fws.gov/ecp/species/5038</a>	
Fat Threeridge (mussel) <i>Amblema neislerii</i>	Endangered
There is <b>final</b> critical habitat for this species. Your location overlaps the critical habitat. <a href="https://ecos.fws.gov/ecp/species/2574">https://ecos.fws.gov/ecp/species/2574</a>	
Fuzzy Pigtoe <i>Pleurobema strodeanum</i>	Threatened
There is <b>final</b> critical habitat for this species. Your location overlaps the critical habitat. <a href="https://ecos.fws.gov/ecp/species/3417">https://ecos.fws.gov/ecp/species/3417</a>	
Gulf Moccasinshell <i>Medionidus penicillatus</i>	Endangered
There is <b>final</b> critical habitat for this species. Your location overlaps the critical habitat. <a href="https://ecos.fws.gov/ecp/species/7663">https://ecos.fws.gov/ecp/species/7663</a>	
Narrow Pigtoe <i>Fusconaia escambia</i>	Threatened
There is <b>final</b> critical habitat for this species. Your location overlaps the critical habitat. <a href="https://ecos.fws.gov/ecp/species/5040">https://ecos.fws.gov/ecp/species/5040</a>	
Ochlockonee Moccasinshell <i>Medionidus simpsonianus</i>	Endangered
There is <b>final</b> critical habitat for this species. Your location overlaps the critical habitat. <a href="https://ecos.fws.gov/ecp/species/8083">https://ecos.fws.gov/ecp/species/8083</a>	
Oval Pigtoe <i>Pleurobema pyriforme</i>	Endangered
There is <b>final</b> critical habitat for this species. Your location overlaps the critical habitat. <a href="https://ecos.fws.gov/ecp/species/4132">https://ecos.fws.gov/ecp/species/4132</a>	
Purple Bankclimber (mussel) <i>Elliptoideus sloatianus</i>	Threatened
There is <b>final</b> critical habitat for this species. Your location overlaps the critical habitat. <a href="https://ecos.fws.gov/ecp/species/7660">https://ecos.fws.gov/ecp/species/7660</a>	
Round Ebonyshell <i>Fusconaia rotulata</i>	Endangered
There is <b>final</b> critical habitat for this species. Your location overlaps the critical habitat. <a href="https://ecos.fws.gov/ecp/species/3039">https://ecos.fws.gov/ecp/species/3039</a>	

Shinyrayed Pocketbook <i>Lampsilis subangulata</i>	Endangered
There is <b>final</b> critical habitat for this species. Your location overlaps the critical habitat. <a href="https://ecos.fws.gov/ecp/species/6517">https://ecos.fws.gov/ecp/species/6517</a>	
Southern Kidneyshell <i>Ptychobranhus jonesi</i>	Endangered
There is <b>final</b> critical habitat for this species. Your location overlaps the critical habitat. <a href="https://ecos.fws.gov/ecp/species/7539">https://ecos.fws.gov/ecp/species/7539</a>	
Southern Sandshell <i>Hamiota australis</i>	Threatened
There is <b>final</b> critical habitat for this species. Your location overlaps the critical habitat. <a href="https://ecos.fws.gov/ecp/species/2551">https://ecos.fws.gov/ecp/species/2551</a>	
Suwannee Moccasinshell <i>Medionidus walkeri</i>	Threatened
No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/533">https://ecos.fws.gov/ecp/species/533</a>	
Tapered Pigtoe <i>Fusconaia burkei</i>	Threatened
There is <b>final</b> critical habitat for this species. Your location overlaps the critical habitat. <a href="https://ecos.fws.gov/ecp/species/5046">https://ecos.fws.gov/ecp/species/5046</a>	

## Snails

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

## Insects

NAME	STATUS
Bartram's Hairstreak Butterfly <i>Strymon acis bartrami</i>	Endangered
There is <b>final</b> critical habitat for this species. Your location overlaps the critical habitat. <a href="https://ecos.fws.gov/ecp/species/4837">https://ecos.fws.gov/ecp/species/4837</a>	
Florida Leafwing Butterfly <i>Anaea troglodyta floralis</i>	Endangered
There is <b>final</b> critical habitat for this species. Your location overlaps the critical habitat. <a href="https://ecos.fws.gov/ecp/species/6652">https://ecos.fws.gov/ecp/species/6652</a>	

Miami Blue Butterfly *Cyclargus (=Hemiargus) thomasi bethunebakeri* Endangered  
 No critical habitat has been designated for this species.  
<https://ecos.fws.gov/ecp/species/3797>

Schaus Swallowtail Butterfly *Heraclides aristodemus ponceanus* Endangered  
 No critical habitat has been designated for this species.  
<https://ecos.fws.gov/ecp/species/1951>

## Crustaceans

NAME	STATUS
Panama City Crayfish <i>Procambarus econfinae</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/8915">https://ecos.fws.gov/ecp/species/8915</a>	Proposed Threatened
Squirrel Chimney Cave Shrimp <i>Palaemonetes cummingi</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/1551">https://ecos.fws.gov/ecp/species/1551</a>	Threatened

## Flowering Plants

NAME	STATUS
Aboriginal Prickly-apple <i>Harrisia (=Cereus) aboriginum (=gracilis)</i> There is <b>final</b> critical habitat for this species. The location of the critical habitat is not available. <a href="https://ecos.fws.gov/ecp/species/2833">https://ecos.fws.gov/ecp/species/2833</a>	Endangered
American Chaffseed <i>Schwalbea americana</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/1286">https://ecos.fws.gov/ecp/species/1286</a>	Endangered
Apalachicola Rosemary <i>Conradina glabra</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/6389">https://ecos.fws.gov/ecp/species/6389</a>	Endangered
Avon Park Harebells <i>Crotalaria avonensis</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/7093">https://ecos.fws.gov/ecp/species/7093</a>	Endangered
Beach Jacquemontia <i>Jacquemontia reclinata</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/1277">https://ecos.fws.gov/ecp/species/1277</a>	Endangered

Beautiful Pawpaw <i>Deeringothamnus pulchellus</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/4069">https://ecos.fws.gov/ecp/species/4069</a>	Endangered
Big Pine Partridge Pea <i>Chamaecrista lineata keyensis</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/8416">https://ecos.fws.gov/ecp/species/8416</a>	Endangered
Blodgett's Silverbush <i>Argythamnia blodgettii</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/6823">https://ecos.fws.gov/ecp/species/6823</a>	Threatened
Britton's Beargrass <i>Nolina brittoniana</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/4460">https://ecos.fws.gov/ecp/species/4460</a>	Endangered
Brooksville Bellflower <i>Campanula robinsiae</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/5809">https://ecos.fws.gov/ecp/species/5809</a>	Endangered
Cape Sable Thoroughwort <i>Chromolaena frustrata</i> There is <b>final</b> critical habitat for this species. Your location overlaps the critical habitat. <a href="https://ecos.fws.gov/ecp/species/4733">https://ecos.fws.gov/ecp/species/4733</a>	Endangered
Carter's Mustard <i>Warea carteri</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/5583">https://ecos.fws.gov/ecp/species/5583</a>	Endangered
Carter's Small-flowered Flax <i>Linum carteri carteri</i> There is <b>final</b> critical habitat for this species. Your location overlaps the critical habitat. <a href="https://ecos.fws.gov/ecp/species/7208">https://ecos.fws.gov/ecp/species/7208</a>	Endangered
Chapman Rhododendron <i>Rhododendron chapmanii</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/3168">https://ecos.fws.gov/ecp/species/3168</a>	Endangered
Cooley's Meadowrue <i>Thalictrum cooleyi</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/3281">https://ecos.fws.gov/ecp/species/3281</a>	Endangered
Cooley's Water-willow <i>Justicia cooleyi</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/4653">https://ecos.fws.gov/ecp/species/4653</a>	Endangered

Crenulate Lead-plant <i>Amorpha crenulata</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/6470">https://ecos.fws.gov/ecp/species/6470</a>	Endangered
Deltoid Spurge <i>Chamaesyce deltoidea</i> ssp. <i>deltoidea</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/199">https://ecos.fws.gov/ecp/species/199</a>	Endangered
Etonia Rosemary <i>Conradina etonia</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/5841">https://ecos.fws.gov/ecp/species/5841</a>	Endangered
Everglades Bully <i>Sideroxylon reclinatum</i> ssp. <i>austrofloridense</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/4735">https://ecos.fws.gov/ecp/species/4735</a>	Threatened
Florida Bonamia <i>Bonamia grandiflora</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/2230">https://ecos.fws.gov/ecp/species/2230</a>	Threatened
Florida Brickell-bush <i>Brickellia mosieri</i> There is <b>final</b> critical habitat for this species. Your location overlaps the critical habitat. <a href="https://ecos.fws.gov/ecp/species/956">https://ecos.fws.gov/ecp/species/956</a>	Endangered
Florida Golden Aster <i>Chrysopsis floridana</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/5352">https://ecos.fws.gov/ecp/species/5352</a>	Endangered
Florida Pineland Crabgrass <i>Digitaria pauciflora</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/3728">https://ecos.fws.gov/ecp/species/3728</a>	Threatened
Florida Prairie-clover <i>Dalea carthagenensis floridana</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/2300">https://ecos.fws.gov/ecp/species/2300</a>	Endangered
Florida Semaphore Cactus <i>Consolea corallicola</i> There is <b>final</b> critical habitat for this species. The location of the critical habitat is not available. <a href="https://ecos.fws.gov/ecp/species/4356">https://ecos.fws.gov/ecp/species/4356</a>	Endangered
Florida Skullcap <i>Scutellaria floridana</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/2240">https://ecos.fws.gov/ecp/species/2240</a>	Threatened

Florida Ziziphus <i>Ziziphus celata</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/2950">https://ecos.fws.gov/ecp/species/2950</a>	Endangered
Four-petal Pawpaw <i>Asimina tetramera</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/3461">https://ecos.fws.gov/ecp/species/3461</a>	Endangered
Fragrant Prickly-apple <i>Cereus eriophorus</i> var. <i>fragrans</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/982">https://ecos.fws.gov/ecp/species/982</a>	Endangered
Fringed Campion <i>Silene polypetala</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/3738">https://ecos.fws.gov/ecp/species/3738</a>	Endangered
Garber's Spurge <i>Chamaesyce garberi</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/8229">https://ecos.fws.gov/ecp/species/8229</a>	Threatened
Garrett's Mint <i>Dicerandra christmanii</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/8333">https://ecos.fws.gov/ecp/species/8333</a>	Endangered
Gentian Pinkroot <i>Spigelia gentianoides</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/4583">https://ecos.fws.gov/ecp/species/4583</a>	Endangered
Godfrey's Butterwort <i>Pinguicula ionantha</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/6805">https://ecos.fws.gov/ecp/species/6805</a>	Threatened
Harper's Beauty <i>Harperocallis flava</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/3735">https://ecos.fws.gov/ecp/species/3735</a>	Endangered
Highlands Scrub Hypericum <i>Hypericum cumulicola</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/2940">https://ecos.fws.gov/ecp/species/2940</a>	Endangered
Key Tree Cactus <i>Pilosocereus robinii</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/2520">https://ecos.fws.gov/ecp/species/2520</a>	Endangered

Lakela's Mint <i>Dicerandra immaculata</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/6390">https://ecos.fws.gov/ecp/species/6390</a>	Endangered
Lewton's Polygala <i>Polygala lewtonii</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/6688">https://ecos.fws.gov/ecp/species/6688</a>	Endangered
Longspurred Mint <i>Dicerandra cornutissima</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/1660">https://ecos.fws.gov/ecp/species/1660</a>	Endangered
Miccosukee Gooseberry <i>Ribes echinellum</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/3580">https://ecos.fws.gov/ecp/species/3580</a>	Threatened
Okeechobee Gourd <i>Cucurbita okeechobeensis</i> ssp. okeechobeensis No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/5999">https://ecos.fws.gov/ecp/species/5999</a>	Endangered
Papery Whitlow-wort <i>Paronychia chartacea</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/1465">https://ecos.fws.gov/ecp/species/1465</a>	Threatened
Pigeon Wings <i>Clitoria fragrans</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/991">https://ecos.fws.gov/ecp/species/991</a>	Threatened
Pineland Sandmat <i>Chamaesyce deltoidea pinetorum</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/1914">https://ecos.fws.gov/ecp/species/1914</a>	Threatened
Pygmy Fringe-tree <i>Chionanthus pygmaeus</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/1084">https://ecos.fws.gov/ecp/species/1084</a>	Endangered
Rugel's Pawpaw <i>Deeringothamnus rugelii</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/5355">https://ecos.fws.gov/ecp/species/5355</a>	Endangered
Sand Flax <i>Linum arenicola</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/4313">https://ecos.fws.gov/ecp/species/4313</a>	Endangered

Sandlace <i>Polygonella myriophylla</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/5745">https://ecos.fws.gov/ecp/species/5745</a>	Endangered
Scrub Blazingstar <i>Liatris ohlingerae</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/864">https://ecos.fws.gov/ecp/species/864</a>	Endangered
Scrub Buckwheat <i>Eriogonum longifolium</i> var. <i>gnaphalifolium</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/5940">https://ecos.fws.gov/ecp/species/5940</a>	Threatened
Scrub Lupine <i>Lupinus aridorum</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/736">https://ecos.fws.gov/ecp/species/736</a>	Endangered
Scrub Mint <i>Dicerandra frutescens</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/799">https://ecos.fws.gov/ecp/species/799</a>	Endangered
Scrub Plum <i>Prunus geniculata</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/2238">https://ecos.fws.gov/ecp/species/2238</a>	Endangered
Short-leaved Rosemary <i>Conradina brevifolia</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/2929">https://ecos.fws.gov/ecp/species/2929</a>	Endangered
Small's Milkpea <i>Galactia smallii</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/3360">https://ecos.fws.gov/ecp/species/3360</a>	Endangered
Snakeroot <i>Eryngium cuneifolium</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/7487">https://ecos.fws.gov/ecp/species/7487</a>	Endangered
Telephus Spurge <i>Euphorbia telephioides</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/5499">https://ecos.fws.gov/ecp/species/5499</a>	Threatened
Tiny Polygala <i>Polygala smallii</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/996">https://ecos.fws.gov/ecp/species/996</a>	Endangered

<p><b>Wedge Spurge</b> <i>Chamaesyce deltoidea serpyllum</i>            No critical habitat has been designated for this species.  <a href="https://ecos.fws.gov/ecp/species/949">https://ecos.fws.gov/ecp/species/949</a></p>	Endangered
<p><b>White Birds-in-a-nest</b> <i>Macbridea alba</i>            No critical habitat has been designated for this species.  <a href="https://ecos.fws.gov/ecp/species/6291">https://ecos.fws.gov/ecp/species/6291</a></p>	Threatened
<p><b>Wide-leaf Warea</b> <i>Warea amplexifolia</i>            No critical habitat has been designated for this species.  <a href="https://ecos.fws.gov/ecp/species/412">https://ecos.fws.gov/ecp/species/412</a></p>	Endangered
<p><b>Wireweed</b> <i>Polygonella basiramia</i>            No critical habitat has been designated for this species.  <a href="https://ecos.fws.gov/ecp/species/1718">https://ecos.fws.gov/ecp/species/1718</a></p>	Endangered

## Conifers and Cycads

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

## Ferns and Allies

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

## Lichens

NAME	STATUS
<p><b>Florida Perforate Cladonia</b> <i>Cladonia perforata</i>            No critical habitat has been designated for this species.  <a href="https://ecos.fws.gov/ecp/species/7516">https://ecos.fws.gov/ecp/species/7516</a></p>	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
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American Crocodile <i>Crocodylus acutus</i> <a href="https://ecos.fws.gov/ecp/species/6604#crithab">https://ecos.fws.gov/ecp/species/6604#crithab</a>	Final
Atlantic Sturgeon (gulf Subspecies) <i>Acipenser oxyrinchus</i> (=oxyrhynchus) <i>desotoi</i> <a href="https://ecos.fws.gov/ecp/species/651#crithab">https://ecos.fws.gov/ecp/species/651#crithab</a>	Final
Bartram's Hairstreak Butterfly <i>Strymon acis bartrami</i> <a href="https://ecos.fws.gov/ecp/species/4837#crithab">https://ecos.fws.gov/ecp/species/4837#crithab</a>	Final
Cape Sable Seaside Sparrow <i>Ammodramus maritimus mirabilis</i> <a href="https://ecos.fws.gov/ecp/species/6584#crithab">https://ecos.fws.gov/ecp/species/6584#crithab</a>	Final
Cape Sable Thoroughwort <i>Chromolaena frustrata</i> <a href="https://ecos.fws.gov/ecp/species/4733#crithab">https://ecos.fws.gov/ecp/species/4733#crithab</a>	Final
Carter's Small-flowered Flax <i>Linum carteri carteri</i> <a href="https://ecos.fws.gov/ecp/species/7208#crithab">https://ecos.fws.gov/ecp/species/7208#crithab</a>	Final
Chipola Slabshell <i>Elliptio chipolaensis</i> <a href="https://ecos.fws.gov/ecp/species/1775#crithab">https://ecos.fws.gov/ecp/species/1775#crithab</a>	Final
Choctaw Bean <i>Villosa choctawensis</i> <a href="https://ecos.fws.gov/ecp/species/5038#crithab">https://ecos.fws.gov/ecp/species/5038#crithab</a>	Final
Choctawhatchee Beach Mouse <i>Peromyscus polionotus</i> <i>alloparys</i> <a href="https://ecos.fws.gov/ecp/species/3520#crithab">https://ecos.fws.gov/ecp/species/3520#crithab</a>	Final
Everglade Snail Kite <i>Rostrhamus sociabilis plumbeus</i> <a href="https://ecos.fws.gov/ecp/species/7713#crithab">https://ecos.fws.gov/ecp/species/7713#crithab</a>	Final
Fat Threeridge (mussel) <i>Amblema neislerii</i> <a href="https://ecos.fws.gov/ecp/species/2574#crithab">https://ecos.fws.gov/ecp/species/2574#crithab</a>	Final
Florida Brickell-bush <i>Brickellia mosieri</i> <a href="https://ecos.fws.gov/ecp/species/956#crithab">https://ecos.fws.gov/ecp/species/956#crithab</a>	Final
Florida Leafwing Butterfly <i>Anaea troglodyta floralis</i> <a href="https://ecos.fws.gov/ecp/species/6652#crithab">https://ecos.fws.gov/ecp/species/6652#crithab</a>	Final
Frosted Flatwoods Salamander <i>Ambystoma cingulatum</i> <a href="https://ecos.fws.gov/ecp/species/4981#crithab">https://ecos.fws.gov/ecp/species/4981#crithab</a>	Final

Fuzzy Pigtoe <i>Pleurobema strodeanum</i> <a href="https://ecos.fws.gov/ecp/species/3417#crithab">https://ecos.fws.gov/ecp/species/3417#crithab</a>	Final
Gulf Moccasinshell <i>Medionidus penicillatus</i> <a href="https://ecos.fws.gov/ecp/species/7663#crithab">https://ecos.fws.gov/ecp/species/7663#crithab</a>	Final
Loggerhead Sea Turtle <i>Caretta caretta</i> <a href="https://ecos.fws.gov/ecp/species/1110#crithab">https://ecos.fws.gov/ecp/species/1110#crithab</a>	Final
Narrow Pigtoe <i>Fusconaia escambia</i> <a href="https://ecos.fws.gov/ecp/species/5040#crithab">https://ecos.fws.gov/ecp/species/5040#crithab</a>	Final
Ochlockonee Moccasinshell <i>Medionidus simpsonianus</i> <a href="https://ecos.fws.gov/ecp/species/8083#crithab">https://ecos.fws.gov/ecp/species/8083#crithab</a>	Final
Oval Pigtoe <i>Pleurobema pyriforme</i> <a href="https://ecos.fws.gov/ecp/species/4132#crithab">https://ecos.fws.gov/ecp/species/4132#crithab</a>	Final
Perdido Key Beach Mouse <i>Peromyscus polionotus trissyllepsis</i> <a href="https://ecos.fws.gov/ecp/species/7394#crithab">https://ecos.fws.gov/ecp/species/7394#crithab</a>	Final
Piping Plover <i>Charadrius melodus</i> <a href="https://ecos.fws.gov/ecp/species/6039#crithab">https://ecos.fws.gov/ecp/species/6039#crithab</a>	Final
Purple Bankclimber (mussel) <i>Elliptioideus sloatianus</i> <a href="https://ecos.fws.gov/ecp/species/7660#crithab">https://ecos.fws.gov/ecp/species/7660#crithab</a>	Final
Reticulated Flatwoods Salamander <i>Ambystoma bishopi</i> <a href="https://ecos.fws.gov/ecp/species/8939#crithab">https://ecos.fws.gov/ecp/species/8939#crithab</a>	Final
Rice Rat <i>Oryzomys palustris natator</i> <a href="https://ecos.fws.gov/ecp/species/6988#crithab">https://ecos.fws.gov/ecp/species/6988#crithab</a>	Final
Round Ebonyshell <i>Fusconaia rotulata</i> <a href="https://ecos.fws.gov/ecp/species/3039#crithab">https://ecos.fws.gov/ecp/species/3039#crithab</a>	Final
Shinyrayed Pocketbook <i>Lampsilis subangulata</i> <a href="https://ecos.fws.gov/ecp/species/6517#crithab">https://ecos.fws.gov/ecp/species/6517#crithab</a>	Final
Southern Kidneyshell <i>Ptychobranhus jonesi</i> <a href="https://ecos.fws.gov/ecp/species/7539#crithab">https://ecos.fws.gov/ecp/species/7539#crithab</a>	Final

Southern Sandshell <i>Hamiota australis</i>	Final
<a href="https://ecos.fws.gov/ecp/species/2551#crithab">https://ecos.fws.gov/ecp/species/2551#crithab</a>	
St. Andrew Beach Mouse <i>Peromyscus polionotus peninsularis</i>	Final
<a href="https://ecos.fws.gov/ecp/species/4111#crithab">https://ecos.fws.gov/ecp/species/4111#crithab</a>	
Tapered Pigtoe <i>Fusconaia burkei</i>	Final
<a href="https://ecos.fws.gov/ecp/species/5046#crithab">https://ecos.fws.gov/ecp/species/5046#crithab</a>	
West Indian Manatee <i>Trichechus manatus</i>	Final
<a href="https://ecos.fws.gov/ecp/species/4469#crithab">https://ecos.fws.gov/ecp/species/4469#crithab</a>	

## Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act<sup>1</sup> and the Bald and Golden Eagle Protection Act<sup>2</sup>.

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 [E-bird Explore Data 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 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 Act<sup>1</sup> and the Convention on International Trade in Endangered Species of Wild Fauna and Flora<sup>2</sup>.

The responsibilities for the protection, conservation, and management of marine mammals are shared by the U.S. Fish and Wildlife Service [responsible for otters, walruses, polar bears, manatees, and dugongs] and NOAA Fisheries<sup>3</sup> [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.