



U.S. Fish and Wildlife Service

## Trust Resources List

**This resource list is to be used for planning purposes only — it is not an official species list.**

Endangered Species Act species list information for your project is available online and listed below for the following FWS Field Offices:

South Florida Ecological Services Field Office  
1339 20TH STREET  
VERO BEACH, FL 32960  
(772) 562-3909  
<http://fws.gov/verobeach>

***Project Name:***

Turkey Point

***Project Counties:***

Martin, FL

***Project Type:***

Power Generation

***Endangered Species Act Species List ([USFWS Endangered Species Program](#)).***

There are a total of 28 threatened or endangered species on your species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fishes may appear on the species list because a project could cause downstream effects on the species. Critical habitats listed under the **Has Critical Habitat** column may or may not lie within your project area. See the **Critical habitats within your project area** section below for critical habitat that lies within your project area. Please contact the designated FWS office if you have questions.

**Species that should be considered in an effects analysis for your project:**

Birds	Status		Has Critical Habitat	Contact
-------	--------	--	----------------------	---------



## Trust Resources List

Audubon's Crested caracara ( <i>Polyborus plancus audubonii</i> ) Population: FL pop.	Threatened	<a href="#">species info</a>		South Florida Ecological Services Field Office
Everglade Snail kite ( <i>Rostrhamus sociabilis plumbeus</i> ) Population: FL pop.	Endangered	<a href="#">species info</a>	<a href="#">Final designated critical habitat</a>	South Florida Ecological Services Field Office
Florida scrub-jay ( <i>Aphelocoma coerulescens</i> ) Population: Entire	Threatened	<a href="#">species info</a>		South Florida Ecological Services Field Office
Ivory-Billed woodpecker ( <i>Campephilus principalis</i> ) Population: Entire	Endangered	<a href="#">species info</a>		South Florida Ecological Services Field Office
Kirtland's Warbler ( <i>Setophaga kirtlandii</i> ) Population: Entire	Endangered	<a href="#">species info</a>		South Florida Ecological Services Field Office
Piping Plover ( <i>Charadrius melodus</i> ) Population: except Great Lakes watershed	Threatened	<a href="#">species info</a>	<a href="#">Final designated critical habitat</a> <a href="#">Final designated critical habitat</a>	South Florida Ecological Services Field Office
Red Knot ( <i>Calidris canutus rufa</i> )	Proposed Threatened	<a href="#">species info</a>		South Florida Ecological Services Field Office
Red-Cockaded woodpecker ( <i>Picoides borealis</i> ) Population: Entire	Endangered	<a href="#">species info</a>		South Florida Ecological Services Field Office



## Trust Resources List

Whooping crane ( <i>Grus americana</i> ) Population: U.S.A. (CO, ID, FL, NM, UT, and the western half of Wyoming)	Experimental Population, Non-Essential	<a href="#">species info</a>		South Florida Ecological Services Field Office
Wood stork ( <i>Mycteria americana</i> ) Population: AL, FL, GA, MS, NC, SC	Threatened	<a href="#">species info</a>		South Florida Ecological Services Field Office
Fishes				
Smalltooth sawfish ( <i>Pristis pectinata</i> ) Population: United States DPS	Endangered	<a href="#">species info</a>		South Florida Ecological Services Field Office
Flowering Plants				
Beach jacquemontia ( <i>Jacquemontia reclinata</i> )	Endangered	<a href="#">species info</a>		South Florida Ecological Services Field Office
Four-Petal pawpaw ( <i>Asimina tetramera</i> )	Endangered	<a href="#">species info</a>		South Florida Ecological Services Field Office
Johnson's seagrass ( <i>Halophila johnsonii</i> )	Threatened	<a href="#">species info</a>	<a href="#">Final designated critical habitat</a>	South Florida Ecological Services Field Office
Lakela's mint ( <i>Dicerandra immaculata</i> )	Endangered	<a href="#">species info</a>		South Florida Ecological Services Field Office
Tiny polygala ( <i>Polygala smallii</i> )	Endangered	<a href="#">species info</a>		South Florida Ecological Services Field Office



## Trust Resources List

Insects				
Florida Leafwing Butterfly ( <i>Anaea troglodyta floralis</i> ) Population:	Endangered	<a href="#">species info</a>		South Florida Ecological Services Field Office
Miami Blue Butterfly ( <i>Cyclargus (=hemiargus) thomasi bethunebakeri</i> )	Endangered	<a href="#">species info</a>		South Florida Ecological Services Field Office
Lichens				
Florida Perforate cladonia ( <i>Cladonia perforata</i> )	Endangered	<a href="#">species info</a>		South Florida Ecological Services Field Office
Mammals				
Florida panther ( <i>Puma (=felis) concolor coryi</i> ) Population:	Endangered	<a href="#">species info</a>		South Florida Ecological Services Field Office
puma ( <i>Puma (=felis) concolor (all subsp. except coryi)</i> ) Population: FL	Similarity of Appearance (Threatened)	<a href="#">species info</a>		South Florida Ecological Services Field Office
Southeastern Beach mouse ( <i>Peromyscus polionotus niveiventris</i> ) Population: U.S.A.(FL)	Threatened	<a href="#">species info</a>		South Florida Ecological Services Field Office
West Indian Manatee ( <i>Trichechus manatus</i> ) Population: Entire	Endangered	<a href="#">species info</a>	<a href="#">Final designated critical habitat</a>	South Florida Ecological Services Field Office
Reptiles				



## Trust Resources List

American alligator ( <i>Alligator mississippiensis</i> ) Population: Entire	Similarity of Appearance (Threatened)	<a href="#">species info</a>		South Florida Ecological Services Field Office
Eastern Indigo snake ( <i>Drymarchon corais couperi</i> ) Population: Entire	Threatened	<a href="#">species info</a>		South Florida Ecological Services Field Office
Green sea turtle ( <i>Chelonia mydas</i> ) Population: FL, Mexico nesting pops.	Endangered	<a href="#">species info</a>		South Florida Ecological Services Field Office
Hawksbill sea turtle ( <i>Eretmochelys imbricata</i> ) Population: Entire	Endangered	<a href="#">species info</a>	<a href="#">Final designated critical habitat</a>	South Florida Ecological Services Field Office
Leatherback sea turtle ( <i>Dermochelys coriacea</i> ) Population: Entire	Endangered	<a href="#">species info</a>	<a href="#">Final designated critical habitat</a>	South Florida Ecological Services Field Office

**Critical habitats within your project area: [\(View all critical habitats within your project area on one map\)](#)**

The following critical habitats lie fully or partially within your project area.

Birds	Critical Habitat Type
Piping Plover ( <i>Charadrius melodus</i> ) Population: except Great Lakes watershed	<a href="#">Final designated critical habitat</a>
Flowering Plants	
Johnson's seagrass ( <i>Halophila johnsonii</i> )	<a href="#">Final designated critical habitat</a>
Mammals	
West Indian Manatee ( <i>Trichechus manatus</i> ) Population: Entire	<a href="#">Final designated critical habitat</a>



## Trust Resources List

Reptiles	
Loggerhead sea turtle ( <i>Caretta caretta</i> ) Population: Northwest Atlantic Ocean DPS	<a href="#">Final designated critical habitat</a>

### ***FWS National Wildlife Refuges*** ([USFWS National Wildlife Refuges Program](#)).

There is 1 refuge in your refuge list

Hobe Sound National Wildlife Refuge (772) 546-6141 POST OFFICE BOX 645 HOBE SOUND, FL33475	<a href="#">refuge profile</a>
---	--------------------------------

### ***FWS Migratory Birds*** ([USFWS Migratory Bird Program](#)).

The protection of birds is regulated by the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA). Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. For more information regarding these Acts see <http://www.fws.gov/migratorybirds/RegulationsandPolicies.html>.

All project proponents are responsible for complying with the appropriate regulations protecting birds when planning and developing a project. To meet these conservation obligations, proponents should identify potential or existing project-related impacts to migratory birds and their habitat and develop and implement conservation measures that avoid, minimize, or compensate for these impacts. The Service's Birds of Conservation Concern (2008) report identifies species, subspecies, and populations of all migratory nongame birds that, without additional conservation actions, are likely to become listed under the Endangered Species Act as amended (16 U.S.C 1531 et seq.).

For information about Birds of Conservation Concern, go to <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Management/BCC.html>.

#### **Migratory birds of concern that may be affected by your project:**

There are 21 birds on your Migratory birds of concern list. The Division of Migratory Bird Management is in the process of populating migratory bird data with an estimated completion time of Fall 2014; therefore, the list below may not include all the migratory birds of concern in your project area at this time. While this information is being populated, please contact the Field Office for information about migratory birds in your project area.



## Trust Resources List

Species Name	Bird of Conservation Concern (BCC)	Species Profile	Seasonal Occurrence in Project Area
American Kestrel ( <i>Falco sparverius ssp. paulus</i> )	Yes	<a href="#">species info</a>	Year-round
American Oystercatcher ( <i>Haematopus palliatus</i> )	Yes	<a href="#">species info</a>	Year-round
American bittern ( <i>Botaurus lentiginosus</i> )	Yes	<a href="#">species info</a>	Wintering
Audubon's Shearwater ( <i>Puffinus lherminieri</i> )	Yes	<a href="#">species info</a>	Wintering
Bald eagle ( <i>Haliaeetus leucocephalus</i> )	Yes	<a href="#">species info</a>	Year-round
Black Skimmer ( <i>Rynchops niger</i> )	Yes	<a href="#">species info</a>	Year-round
Black-whiskered Vireo ( <i>Vireo altiloquus</i> )	Yes	<a href="#">species info</a>	Breeding
Brown Booby ( <i>Sula leucogaster</i> )	Yes	<a href="#">species info</a>	Wintering
Brown-headed Nuthatch ( <i>Sitta pusilla</i> )	Yes	<a href="#">species info</a>	Year-round
Chuck-will's-widow ( <i>Caprimulgus carolinensis</i> )	Yes	<a href="#">species info</a>	Year-round
Common Ground-Dove ( <i>Columbina passerina ssp. exigua</i> )	Yes	<a href="#">species info</a>	Year-round
Least Bittern ( <i>Ixobrychus exilis</i> )	Yes	<a href="#">species info</a>	Year-round
Lesser Yellowlegs ( <i>Tringa flavipes</i> )	Yes	<a href="#">species info</a>	Wintering
Marbled Godwit ( <i>Limosa fedoa</i> )	Yes	<a href="#">species info</a>	Wintering
Red-throated Loon ( <i>Gavia stellata</i> )	Yes	<a href="#">species info</a>	Wintering
Roseate Spoonbill ( <i>Platalea ajaja</i> )	Yes	<a href="#">species info</a>	Year-round
Short-billed Dowitcher ( <i>Limnodromus griseus</i> )	Yes	<a href="#">species info</a>	Wintering
Smooth-Billed ani ( <i>Crotophaga ani</i> )	Yes	<a href="#">species info</a>	Year-round
Swainson's Warbler ( <i>Limnothlypis swainsonii</i> )	Yes	<a href="#">species info</a>	Migrating



## Trust Resources List

Worm eating Warbler ( <i>Helmitheros vermivorum</i> )	Yes	<a href="#">species info</a>	Migrating
Yellow Rail ( <i>Coturnicops noveboracensis</i> )	Yes	<a href="#">species info</a>	Wintering

### ***NWI Wetlands ([USFWS National Wetlands Inventory](#))***

The U.S. Fish and Wildlife Service is the principal Federal agency that provides information on the extent and status of wetlands in the U.S., via the National Wetlands Inventory Program (NWI). In addition to impacts to wetlands within your immediate project area, wetlands outside of your project area may need to be considered in any evaluation of project impacts, due to the hydrologic nature of wetlands (for example, project activities may affect local hydrology within, and outside of, your immediate project area). It may be helpful to refer to the USFWS National Wetland Inventory website. The designated FWS office can also assist you. Impacts to wetlands and other aquatic habitats from your project may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal Statutes. Project Proponents should discuss the relationship of these requirements to their project with the Regulatory Program of the appropriate [U.S. Army Corps of Engineers District](#).

#### **Data Limitations, Exclusions and Precautions**

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 and/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.

**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





## Trust Resources List

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.

**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.

**The following wetland types intersect your project area in one or more locations:**

Wetland Types	NWI Classification Code	Total Acres
Estuarine and Marine Deepwater	<a href="#">E1UBLx</a>	31.0566
Estuarine and Marine Wetland	<a href="#">E2SS3N</a>	163.58
Freshwater Emergent Wetland	<a href="#">PEM1Cx</a>	0.2974
Freshwater Emergent Wetland	<a href="#">PEM1/SS1C</a>	1.2181
Freshwater Emergent Wetland	<a href="#">PEM1/SS1F</a>	2.0108
Freshwater Emergent Wetland	<a href="#">PEM1/FO4C</a>	3.4377
Freshwater Emergent Wetland	<a href="#">PEM1/FO4B</a>	215.7846
Freshwater Emergent Wetland	<a href="#">PEM1Hx</a>	1.4514
Freshwater Emergent Wetland	<a href="#">PEM1Ad</a>	5.8161
Freshwater Emergent Wetland	<a href="#">PEM1/FO1C</a>	84.1567
Freshwater Emergent Wetland	<a href="#">PEM1Fd</a>	3.133
Freshwater Emergent Wetland	<a href="#">PEM1F</a>	333.4008
Freshwater Emergent Wetland	<a href="#">PEM/FO1C</a>	1.8105
Freshwater Emergent Wetland	<a href="#">PEM1C</a>	3227.3022
Freshwater Emergent Wetland	<a href="#">PEM1A</a>	12.8876
Freshwater Emergent Wetland	<a href="#">PEM1B</a>	239.1985
Freshwater Emergent Wetland	<a href="#">PEM1Fx</a>	2.4987



## Trust Resources List

Freshwater Emergent Wetland	<a href="#">PEM1Cd</a>	119.1839
Freshwater Forested/Shrub Wetland	<a href="#">PSS2C</a>	1.1715
Freshwater Forested/Shrub Wetland	<a href="#">PFO4B</a>	3.9657
Freshwater Forested/Shrub Wetland	<a href="#">PFO2/4C</a>	2.3352
Freshwater Forested/Shrub Wetland	<a href="#">PFO2/4B</a>	1.2744
Freshwater Forested/Shrub Wetland	<a href="#">PFO4C</a>	11.6584
Freshwater Forested/Shrub Wetland	<a href="#">PSS3C</a>	0.6597
Freshwater Forested/Shrub Wetland	<a href="#">PFO1/EM1C</a>	18.1272
Freshwater Forested/Shrub Wetland	<a href="#">PFO1/EM1B</a>	38.2058
Freshwater Forested/Shrub Wetland	<a href="#">PFO1/4B</a>	19.2979
Freshwater Forested/Shrub Wetland	<a href="#">PFO1/4A</a>	12.7171
Freshwater Forested/Shrub Wetland	<a href="#">PFO1/4C</a>	22.2918
Freshwater Forested/Shrub Wetland	<a href="#">PFO1/SS1F</a>	5.7909
Freshwater Forested/Shrub Wetland	<a href="#">PFO3A</a>	22.3286
Freshwater Forested/Shrub Wetland	<a href="#">PFO1/SS1B</a>	32.9369
Freshwater Forested/Shrub Wetland	<a href="#">PFO1/SS1C</a>	1275.9678
Freshwater Forested/Shrub Wetland	<a href="#">PSS1/4Cd</a>	1.6735
Freshwater Forested/Shrub Wetland	<a href="#">PFO3C</a>	11.2179
Freshwater Forested/Shrub Wetland	<a href="#">PFO2/1C</a>	40.368
Freshwater Forested/Shrub Wetland	<a href="#">PSS1/4C</a>	1.0388
Freshwater Forested/Shrub Wetland	<a href="#">PFO1/3C</a>	9.4537
Freshwater Forested/Shrub Wetland	<a href="#">PFO1/SS1Cd</a>	3.2384
Freshwater Forested/Shrub Wetland	<a href="#">PFO2Cd</a>	4.8286
Freshwater Forested/Shrub Wetland	<a href="#">PSS3/1C</a>	9.0181
Freshwater Forested/Shrub Wetland	<a href="#">PSS1/7C</a>	2.5837
Freshwater Forested/Shrub Wetland	<a href="#">PFO2B</a>	0.5915



## Trust Resources List

Freshwater Forested/Shrub Wetland	<a href="#">PFO2C</a>	36.5544
Freshwater Forested/Shrub Wetland	<a href="#">PFO2F</a>	337.357
Freshwater Forested/Shrub Wetland	<a href="#">PFO3/4C</a>	8.6286
Freshwater Forested/Shrub Wetland	<a href="#">PSS3/FO2C</a>	2.0308
Freshwater Forested/Shrub Wetland	<a href="#">PFO1/2C</a>	67.2446
Freshwater Forested/Shrub Wetland	<a href="#">PFO1R</a>	26.0114
Freshwater Forested/Shrub Wetland	<a href="#">PFO3/1C</a>	1.7916
Freshwater Forested/Shrub Wetland	<a href="#">PFO1B</a>	3.3647
Freshwater Forested/Shrub Wetland	<a href="#">PFO1C</a>	499.3455
Freshwater Forested/Shrub Wetland	<a href="#">PSS1C</a>	10.8873
Freshwater Pond	<a href="#">PAB4Fx</a>	0.9125
Freshwater Pond	<a href="#">PABH</a>	10.5766
Freshwater Pond	<a href="#">PUBHx</a>	308.4402
Freshwater Pond	<a href="#">PUBH</a>	12.8451
Lake	<a href="#">L1UBHx</a>	49.3832
Lake	<a href="#">L2USCx</a>	157.7799
Riverine	<a href="#">R2UBHx</a>	48.2855