



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:

Palm Beach, FL

Project Type:

Power Generation

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

There are a total of 32 threatened, endangered, or candidate 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	species info		South Florida Ecological Services Field Office
Everglade Snail kite (<i>Rostrhamus sociabilis plumbeus</i>) Population: FL pop.	Endangered	species info	Final designated critical habitat	South Florida Ecological Services Field Office
Florida scrub-jay (<i>Aphelocoma coerulescens</i>) Population: Entire	Threatened	species info		South Florida Ecological Services Field Office
Ivory-Billed woodpecker (<i>Campephilus principalis</i>) Population: Entire	Endangered	species info		South Florida Ecological Services Field Office
Kirtland's Warbler (<i>Setophaga kirtlandii</i>) Population: Entire	Endangered	species info		South Florida Ecological Services Field Office
Piping Plover (<i>Charadrius melodus</i>) Population: except Great Lakes watershed	Threatened	species info	Final designated critical habitat Final designated critical habitat	South Florida Ecological Services Field Office
Red Knot (<i>Calidris canutus rufa</i>)	Proposed Threatened	species info		South Florida Ecological Services Field Office
Red-Cockaded woodpecker (<i>Picoides borealis</i>) Population: Entire	Endangered	species info		South Florida Ecological Services Field Office
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	species info		South Florida Ecological Services Field Office
Wood stork (<i>Mycteria americana</i>) Population: AL, FL, GA, MS, NC, SC	Threatened	species info		South Florida Ecological Services Field Office
Corals				



Trust Resources List

Staghorn coral (<i>Acropora cervicornis</i>)	Threatened	species info	Final designated critical habitat	South Florida Ecological Services Field Office
Fishes				
Smalltooth sawfish (<i>Pristis pectinata</i>) Population: United States DPS	Endangered	species info		South Florida Ecological Services Field Office
Flowering Plants				
Beach jacquemontia (<i>Jacquemontia reclinata</i>)	Endangered	species info		South Florida Ecological Services Field Office
Florida prairie-clover (<i>Dalea carthagenensis floridana</i>)	Candidate	species info		South Florida Ecological Services Field Office
Four-Petal pawpaw (<i>Asimina tetramera</i>)	Endangered	species info		South Florida Ecological Services Field Office
Johnson's seagrass (<i>Halophila johnsonii</i>)	Threatened	species info	Final designated critical habitat	South Florida Ecological Services Field Office
Okeechobee gourd (<i>Cucurbita okeechobeensis ssp. okeechobeensis</i>)	Endangered	species info		South Florida Ecological Services Field Office
Tiny polygala (<i>Polygala smallii</i>)	Endangered	species info		South Florida Ecological Services Field Office
Insects				
Bartram's Hairstreak Butterfly (<i>Strymon acis bartrami</i>) Population:	Endangered	species info		South Florida Ecological Services Field Office
Florida Leafwing Butterfly (<i>Anaea troglodyta floridalis</i>) Population:	Endangered	species info		South Florida Ecological Services Field Office



Trust Resources List

Miami Blue Butterfly (<i>Cyclargus (=hemiargus) thomasi bethunebakeri</i>)	Endangered	species info		South Florida Ecological Services Field Office
Lichens				
Florida Perforate cladonia (<i>Cladonia perforata</i>)	Endangered	species info		South Florida Ecological Services Field Office
Mammals				
Florida panther (<i>Puma (=felis) concolor coryi</i>) Population:	Endangered	species info		South Florida Ecological Services Field Office
puma (<i>Puma (=felis) concolor (all subsp. except coryi)</i>) Population: FL	Similarity of Appearance (Threatened)	species info		South Florida Ecological Services Field Office
Southeastern Beach mouse (<i>Peromyscus polionotus niveiventris</i>) Population: U.S.A.(FL)	Threatened	species info		South Florida Ecological Services Field Office
West Indian Manatee (<i>Trichechus manatus</i>) Population: Entire	Endangered	species info	Final designated critical habitat	South Florida Ecological Services Field Office
Reptiles				
American alligator (<i>Alligator mississippiensis</i>) Population: Entire	Similarity of Appearance (Threatened)	species info		South Florida Ecological Services Field Office
American crocodile (<i>Crocodylus acutus</i>) Population: FL pop.	Threatened	species info	Final designated critical habitat	South Florida Ecological Services Field Office
Eastern Indigo snake (<i>Drymarchon corais couperi</i>) Population: Entire	Threatened	species info		South Florida Ecological Services Field Office



Trust Resources List

Green sea turtle (<i>Chelonia mydas</i>) Population: FL, Mexico nesting pops.	Endangered	species info		South Florida Ecological Services Field Office
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>) Population: Entire	Endangered	species info	Final designated critical habitat	South Florida Ecological Services Field Office
Leatherback sea turtle (<i>Dermochelys coriacea</i>) Population: Entire	Endangered	species info	Final designated critical habitat	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
Everglade Snail kite (<i>Rostrhamus sociabilis plumbeus</i>) Population: FL pop.	Final designated critical habitat
Corals	
Elkhorn coral (<i>Acropora palmata</i>)	Final designated critical habitat
Staghorn coral (<i>Acropora cervicornis</i>)	Final designated critical habitat
Flowering Plants	
Johnson's seagrass (<i>Halophila johnsonii</i>)	Final designated critical habitat
Mammals	
West Indian Manatee (<i>Trichechus manatus</i>) Population: Entire	Final designated critical habitat
Reptiles	
Loggerhead sea turtle (<i>Caretta caretta</i>) Population: Northwest Atlantic Ocean DPS	Final designated critical habitat

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

There is 1 refuge in your refuge list



Trust Resources List

Arthur R. Marshall Loxahatchee National Wildlife Refuge (561) 732-3684 10216 LEE ROAD BOYNTON BEACH, FL33473	refuge profile
--	--------------------------------

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 22 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.

Species Name	Bird of Conservation Concern (BCC)	Species Profile	Seasonal Occurrence in Project Area
American Kestrel (<i>Falco sparverius ssp. paulus</i>)	Yes	species info	Year-round
American Oystercatcher (<i>Haematopus palliatus</i>)	Yes	species info	Year-round
American bittern (<i>Botaurus lentiginosus</i>)	Yes	species info	Wintering



Trust Resources List

Audubon's Shearwater (<i>Puffinus lherminieri</i>)	Yes	species info	Wintering
Bald eagle (<i>Haliaeetus leucocephalus</i>)	Yes	species info	Year-round
Black Skimmer (<i>Rynchops niger</i>)	Yes	species info	Year-round
Black-whiskered Vireo (<i>Vireo altiloquus</i>)	Yes	species info	Breeding
Brown Booby (<i>Sula leucogaster</i>)	Yes	species info	Wintering
Brown-headed Nuthatch (<i>Sitta pusilla</i>)	Yes	species info	Year-round
Chuck-will's-widow (<i>Caprimulgus carolinensis</i>)	Yes	species info	Year-round
Common Ground-Dove (<i>Columbina passerina ssp. exigua</i>)	Yes	species info	Year-round
Least Bittern (<i>Ixobrychus exilis</i>)	Yes	species info	Year-round
Lesser Yellowlegs (<i>Tringa flavipes</i>)	Yes	species info	Wintering
Marbled Godwit (<i>Limosa fedoa</i>)	Yes	species info	Wintering
Red-throated Loon (<i>Gavia stellata</i>)	Yes	species info	Wintering
Roseate Spoonbill (<i>Platalea ajaja</i>)	Yes	species info	Year-round
Short-billed Dowitcher (<i>Limnodromus griseus</i>)	Yes	species info	Wintering
Smooth-Billed ani (<i>Crotophaga ani</i>)	Yes	species info	Year-round
Solitary Sandpiper (<i>Tringa solitaria</i>)	No	species info	Wintering
Swainson's Warbler (<i>Limnothlypis swainsonii</i>)	Yes	species info	Migrating
Worm eating Warbler (<i>Helmitheros vermivorum</i>)	Yes	species info	Migrating
Yellow Rail (<i>Coturnicops noveboracensis</i>)	Yes	species info	Wintering



Trust Resources List

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 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



Trust Resources List

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
Freshwater Emergent Wetland	PEM1/SS2C	9.1797
Freshwater Emergent Wetland	PEM1Cx	2.4548
Freshwater Emergent Wetland	PEM1/FO1C	22.7756
Freshwater Emergent Wetland	PEM1/SS4C	19.6744
Freshwater Emergent Wetland	PEM1/SS3F	5.5505
Freshwater Emergent Wetland	PEM1F	316.756
Freshwater Emergent Wetland	PEM1C	6926.0991
Freshwater Emergent Wetland	PEM1/SS1C	259.131
Freshwater Emergent Wetland	PEM1A	62.4694
Freshwater Emergent Wetland	PEM1B	268.3578
Freshwater Emergent Wetland	PEM1/FO2C	11.6925
Freshwater Emergent Wetland	PEM1/FO4B	25.0175
Freshwater Emergent Wetland	PEM1Fx	0.7877
Freshwater Emergent Wetland	PEM1/FO4A	139.8987
Freshwater Emergent Wetland	PEM1Hx	2.2268
Freshwater Forested/Shrub Wetland	PSS2/4C	5.5468
Freshwater Forested/Shrub Wetland	PSS1Cd	9.0092
Freshwater Forested/Shrub Wetland	PFO4/EM1B	12.1691
Freshwater Forested/Shrub Wetland	PFO2/4C	20.6576
Freshwater Forested/Shrub Wetland	PFO2B	86.4941
Freshwater Forested/Shrub Wetland	PFO3/SS1Fh	116.0264
Freshwater Forested/Shrub Wetland	PFO2F	568.2972



Trust Resources List

Freshwater Forested/Shrub Wetland	PFO1/2C	539.4902
Freshwater Forested/Shrub Wetland	PFO1/EM1C	19.9031
Freshwater Forested/Shrub Wetland	PFO1/4B	42.7952
Freshwater Forested/Shrub Wetland	PFO1/4C	57.1027
Freshwater Forested/Shrub Wetland	PFO1/3Cd	1.0275
Freshwater Forested/Shrub Wetland	PFO1/SS1B	202.6126
Freshwater Forested/Shrub Wetland	PFO1/SS1C	208.6333
Freshwater Forested/Shrub Wetland	PFO1B	134.6022
Freshwater Forested/Shrub Wetland	PFO1C	109.6307
Freshwater Forested/Shrub Wetland	PFO3C	4.9364
Freshwater Pond	PUBHx	1082.4596
Freshwater Pond	PAB4F	1.8914
Freshwater Pond	PUBKx	18.2857
Lake	L1UBH	20.8172
Lake	L1UBHx	688.327
Riverine	R2UBHx	266.0108