



ESA Section 7 & IPaC use in Spill Response

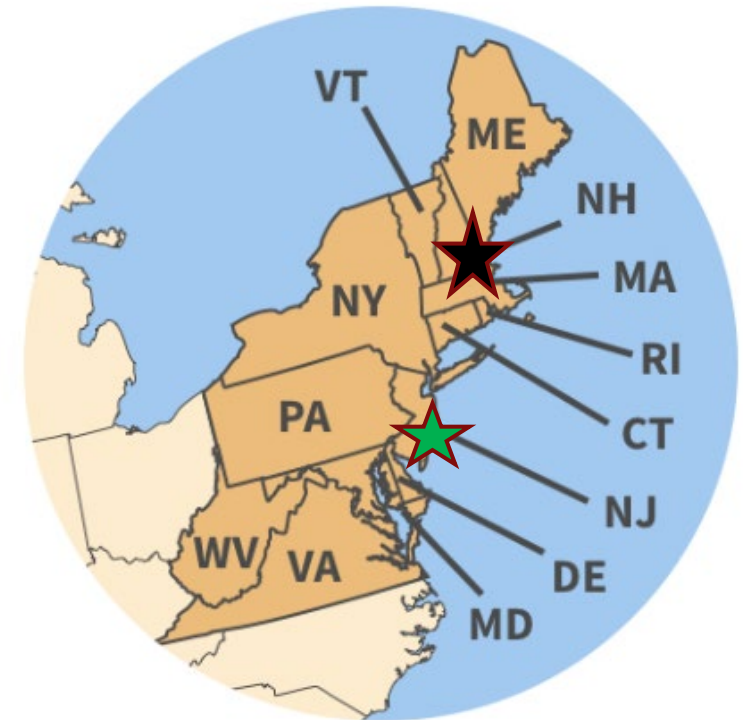
RRT2 MEETING – NOV 8, 2022

PRESENTED BY: SARAH SCHEAFFER (USFWS)

Introductions

- ▶ Andrew Raddant , Department of the Interior's Regional Environmental Officer for RRT 1 & 2
- ★ Sarah Scheaffer, FWS New Jersey Ecological Services Field Office, Fish and Wildlife Biologist (FSRC to New York, New Jersey, Delaware & Eastern PA)
- ★ Drew Major/Lattice Fuentes, FWS New England Field Office, Fish and Wildlife Biologist (FSRC to New England and CANUSLAK Joint Response Team)

FWS Northeast Region 5



Overview

- ▶ DOI and FWS missions
- ▶ DOI and FWS roles in spill planning and response
- ▶ Natural Resource Damage Assessment and Restoration (NRDAR)
- ▶ Endangered Species Act and spill response
- ▶ IPaC overview and demonstration

DOI and FWS Missions

- ▶ Department of Interior (DOI) Mission

The U.S. Department of the Interior protects and manages the Nation's natural resources and cultural heritage; provides scientific and other information about those resources; and honors its trust responsibilities or special commitments to American Indians, Alaska Natives, and affiliated Island Communities.

- ▶ U.S. Fish and Wildlife Service (Service) Mission

Working with others to conserve, protect, and enhance, fish, wildlife, plants, and their habitats for the continuing benefit of the American people

Service trust resources: threatened and endangered species, migratory birds, interjurisdictional fishes, supporting habitats, and DOI managed lands



Overview of DOI and FWS Roles in Spill Planning

- ▶ Participate on Area Committees
- ▶ Contribute to RCP and ACPs to ensure natural and cultural resources are taken into consideration as part of a response.
 - ▶ Fish and Wildlife and Sensitive Environments Plan
 - ▶ Pre-spill consultation for Contingency Plans
- ▶ Maintain training and participate in drills and exercises
- ▶ Collaborate with partners on tools and guides to assist OSCs in protecting natural and cultural resources during an activation
 - ▶ Habitat and Species Fact Sheets for Response

Overview of DOI and FWS Roles during Spill Response

- ▶ DOI and FWS may provide support (**remote** or on-site) for protecting trust resources
 - ▶ Assistance to the Planning Section
 - ▶ Information for resources-at-risk, resource protection, and development of cleanup techniques
 - ▶ Assist in identifying and obtaining appropriate FWS permits
 - ▶ Emergency consultation for the Endangered Species Act
 - ▶ Assistance to the Operations Section
 - ▶ Early reconnaissance of natural resources in the vicinity of the spill
 - ▶ Protection strategies to avoid and minimize impacts to trust resources and habitats
 - ▶ Technical assistance to wildlife response, implement or coordinate wildlife response (e.g., FWS can fill the Wildlife Branch Director role)



Natural Resource Damage Assessment and Restoration (NRDAR)

- ▶ FWS may pursue NRDAR with Co-Trustees to assess damages from spill and response actions
- ▶ While separate from response, some NRDAR activities may be conducted at the same time as spill response activities
- ▶ Ephemeral data collection occurs during the spill
 - ▶ Source oil sample, samples from oiled wildlife, information on extent of oiling and responses
- ▶ Assessment work can lead to settlement or litigation
- ▶ NRDAR Goal: Return the injured resources to baseline

Endangered Species Act (ESA)



Purpose

- ▶ Protect and recover threatened and endangered species and critical habitats

Administration – by the “Services”

- ▶ Department of the Interior - U.S. Fish and Wildlife Service (FWS)
- ▶ Department of Commerce - National Marine Fisheries Service (NMFS)

Endangered Species Act – Section 7

Interagency Cooperation

- ▶ Section 7(a)(1): All Federal agencies shall utilize their authorities in furtherance of the purposes of the Act by carrying out programs for the conservation of listed species.
- ▶ Section 7(a)(2): Each Federal agency shall insure that any action authorized, funded, or carried out by the agency is not likely to jeopardize the continued existence of listed species or result in destruction or adverse modification of designated critical habitat
 - ▶ If a Federal agency action may affect individuals of a listed species or critical habitat, the agency must initiate consultation with the Service



ESA Section 7 – Effects Determination

- ▶ No effect
 - ▶ Does not require concurrence from the Service
 - ▶ Include justification/support in project file
- ▶ May affect, not likely to adversely affect (NLAA)
 - ▶ Requires written concurrence from the Service
 - ▶ Informal consultation, 30 days
- ▶ May affect, likely to adversely affect
 - ▶ Requires formal consultation
 - ▶ 135 days after acceptance of initiation package



*Take: harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or attempt to engage in any such conduct

ESA Memorandum of Agreement & Guidebook

- ▶ Developed jointly with NOAA, FWS, EPA and USCG
- ▶ MOA provides framework and guidance for cooperation and participation among ESA Trustees (FWS & NMFS) in spill planning and response
- ▶ Calls for cooperation with FWS and NMFS in pre spill planning such as ACPs
- ▶ MOA does not limit the authority of the FOSC nor is it meant to stop the response
- ▶ Safety of human life continues to be the top priority during every response

- [Inter-agency Memorandum of Agreement Regarding Oil Spill Planning and Response Activities Under the Federal Water Pollution Control Act's National Oil and Hazardous Substances Pollution Contingency Plan and the Endangered Species Act](#)
- [U.S. Coast Guard, U.S. Environmental Protection Agency, Department of Interior, and Department of Commerce. \(2002\). Inter-agency Memorandum of Agreement Regarding Oil Spill Planning and Response Activities Under the Federal Water Pollution Control Act's National Oil and Hazardous Substances Pollution Contingency Plan and the Endangered Species Act.](#)

Inter-agency Memorandum of Agreement Regarding Oil Spill Planning and Response Activities Under the Federal Water Pollution Control Act's National Oil and Hazardous Substances Pollution Contingency Plan and the Endangered Species Act

A Guidebook
Version 2002



United States Coast Guard



United States Environmental Protection Agency



Department of the Interior's Fish and Wildlife Service



National Oceanic and Atmospheric Administration's National Marine Fisheries Service



National Oceanic and Atmospheric Administration's National Ocean Service

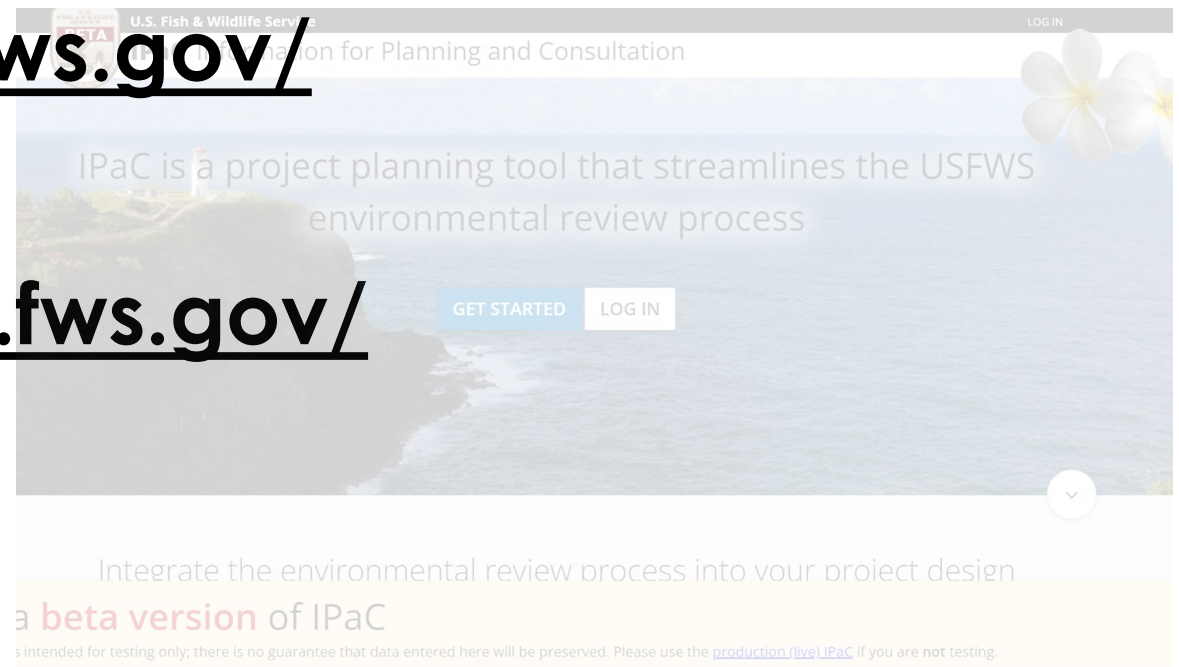


Department of the Interior

IPaC Information for Planning and Consultation

▶ <https://ipac.ecosphere.fws.gov/>

▶ <https://ipacb.ecosphere.fws.gov/>





IPaC Information for Planning and Consultation



IPaC is a project planning tool that streamlines the USFWS environmental review process

GET STARTED

LOG IN



Integrate the environmental review process into your project design

Quickly and easily identify USFWS managed resources and suggested conservation measures for your project.

Explore species and habitat

See if any listed species, critical habitat, migratory birds or other natural resources may be impacted by your project.

Using the map tool, explore other resources in your location, such as

Conduct a regulatory review

Log in and define a project to get an official species list and evaluate potential impacts on resources managed by the U.S. Fish and Wildlife Service.

Follow IPaC's Endangered Species Act (ESA)

Build a Consultation Package

Consultation Package Builder (CPB) replaces and improves on the original Impact Analysis by providing an interactive, step-by-step process to help you prepare a full consultation package leveraging U.S. Fish and Wildlife Service

IPaC Information for Planning and Consultation

1 Find location

Search or zoom to find the project location

Or skip this step and:

UPLOAD SHAPE FILE

SELECT BY STATE OR COUNTY

2 Define area

+

-

Getting started

✕

The first step in the environmental review process is to **enter a location** to explore. IPaC will find species and resources that may be impacted by activities at that location.

Later, you can log in to IPaC and define a project at that location; then get an official species list, evaluate potential impacts, and make species determinations.

OK

 Don't show this again

ADD

Layers

New!

1 Find location

2 Define area

Draw the area where activities will occur

Select a drawing tool



SKETCH



POLYGON



LINE

Other options:

UPLOAD SHAPE FILE

SELECT BY STATE OR COUNTY



1 Find location

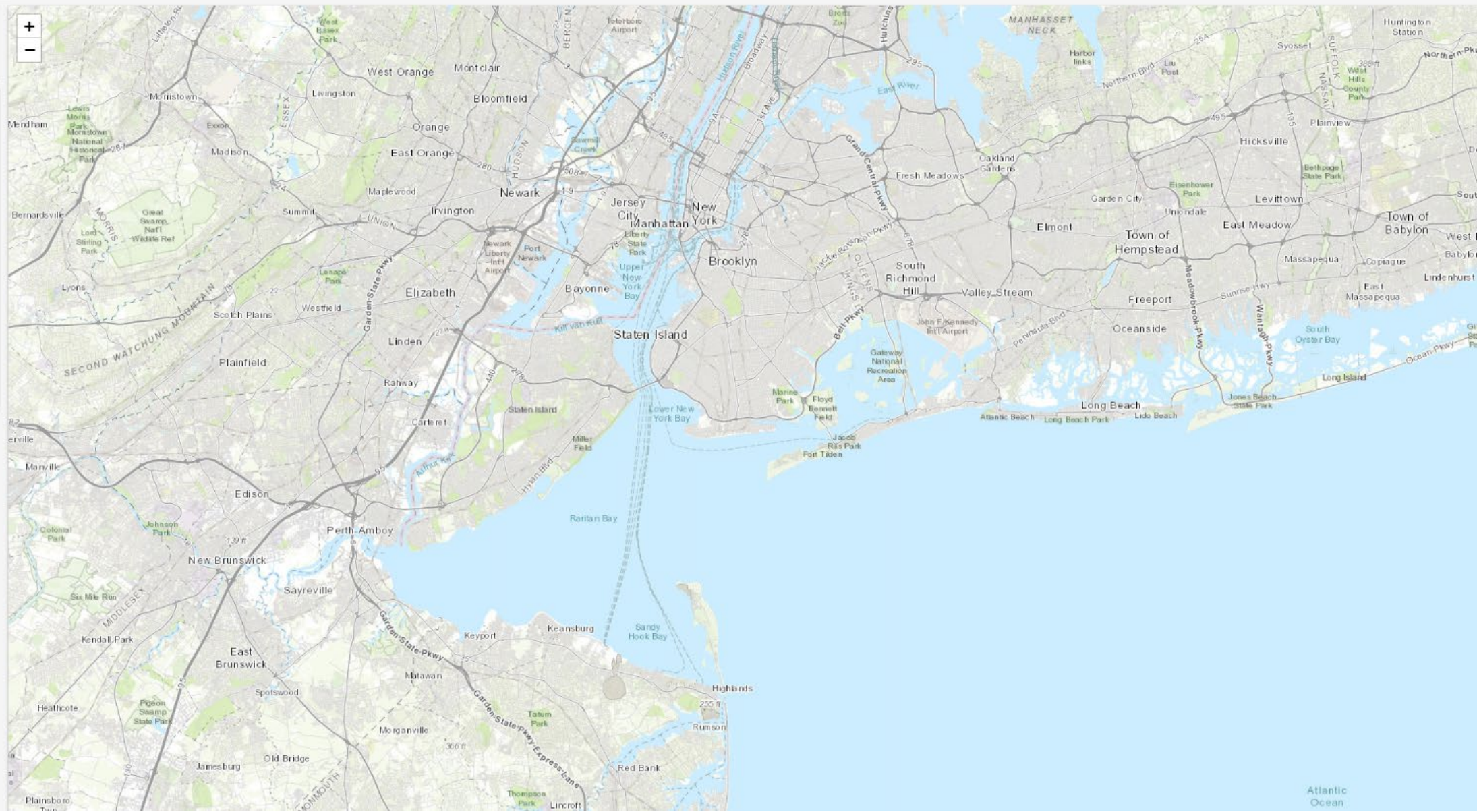
2 Define area

Draw the area where activities will occur

Select a drawing tool

-  SKETCH
-  **POLYGON**
-  LINE

Other options:
UPLOAD SHAPE FILE
SELECT BY STATE OR COUNTY



1 Find location

2 Define area

3 Confirm

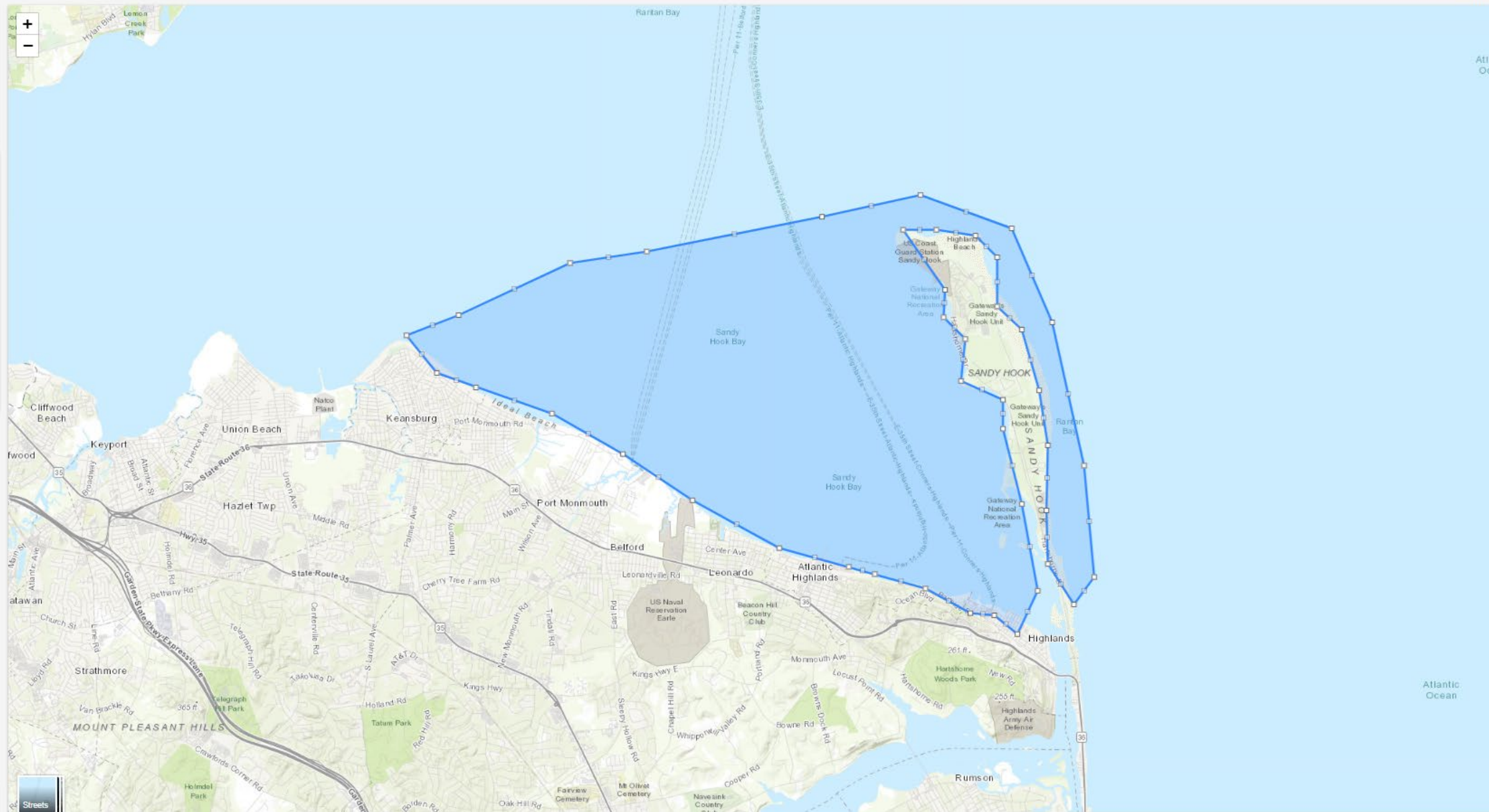
Verify the area where project activities will occur

Modify the shape by clicking and dragging the vertices or clicking on a solid vertex to remove it

AREA: 24.28 mi²

CONTINUE

START OVER



Layers

ADD

Explore location

LOCAL OFFICE **NJ ESFO** ▾

LOCATION
Monmouth County,
New Jersey
CHANGE LOCATION

18

Resources

ENDANGERED SPECIES 7

BALD & GOLDEN EAGLES 1

MIGRATORY BIRDS 45

COASTAL BARRIERS 1

FACILITIES

WETLANDS !

PRINT RESOURCE LIST

What's next?

Define a project at this location to evaluate potential impacts, get an official species list, and make species determinations.

[DEFINE PROJECT](#)

Endangered species

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).

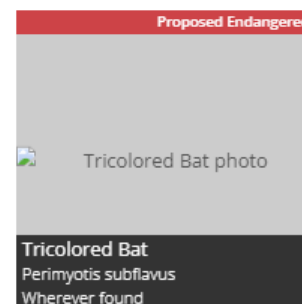
Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact [NOAA Fisheries](#) for [species under their jurisdiction](#).

Additional information on endangered species data is provided [below](#).

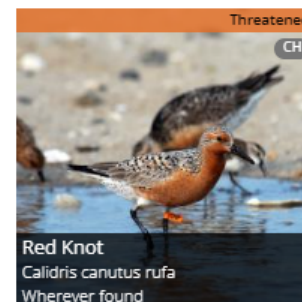
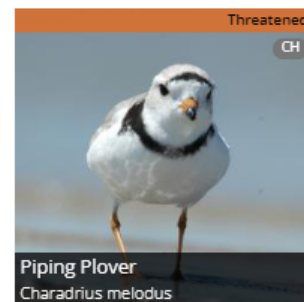
The following species are potentially affected by activities in this location:

THUMBNAILS LIST

Mammals



Birds



Resources

- ENDANGERED SPECIES 7
 - BALD & GOLDEN EAGLES 1
 - MIGRATORY BIRDS 45**
 - COASTAL BARRIERS 1
 - FACILITIES
 - WETLANDS !
- [PRINT RESOURCE LIST](#)

What's next?

Define a project at this location to evaluate potential impacts, get an official species list, and make species determinations.

[DEFINE PROJECT](#)

your list to see when these birds are most likely to be present and breeding in your project area.

THUMBNAILS LIST


PROBABILITY OF PRESENCE SUMMARY

BCC Rangewide (CON)



American Oystercatcher
Haematopus palliatus

Non-BCC Vulnerable




Bald Eagle
Haliaeetus leucocephalus

Non-BCC Vulnerable



Black Scoter
Melanitta nigra

BCC Rangewide (CON)



Black Skimmer
Rynchops niger

BCC Rangewide (CON)



Black-billed Cuckoo
Coccyzus erythrophthalmus

Non-BCC Vulnerable



Black-legged Kittiwake
Rissa tridactyla

BCC - BCR




Blue-winged Warbler
Vermivora pinus

BCC Rangewide (CON)



Bobolink
Dolichonyx oryzivorus

Non-BCC Vulnerable



Brown Pelican
Pelecanus occidentalis

BCC Rangewide (CON)




Canada Warbler
Cardellina canadensis

BCC Rangewide (CON)

No photo available

Chimney Swift
Chaetura pelagica

Non-BCC Vulnerable



Common Eider
Somateria mollissima

Resources

ENDANGERED

BALD & GOLD

MIGRATORY B

COASTAL BAR

FACILITIES

WETLANDS

PRINT RESO

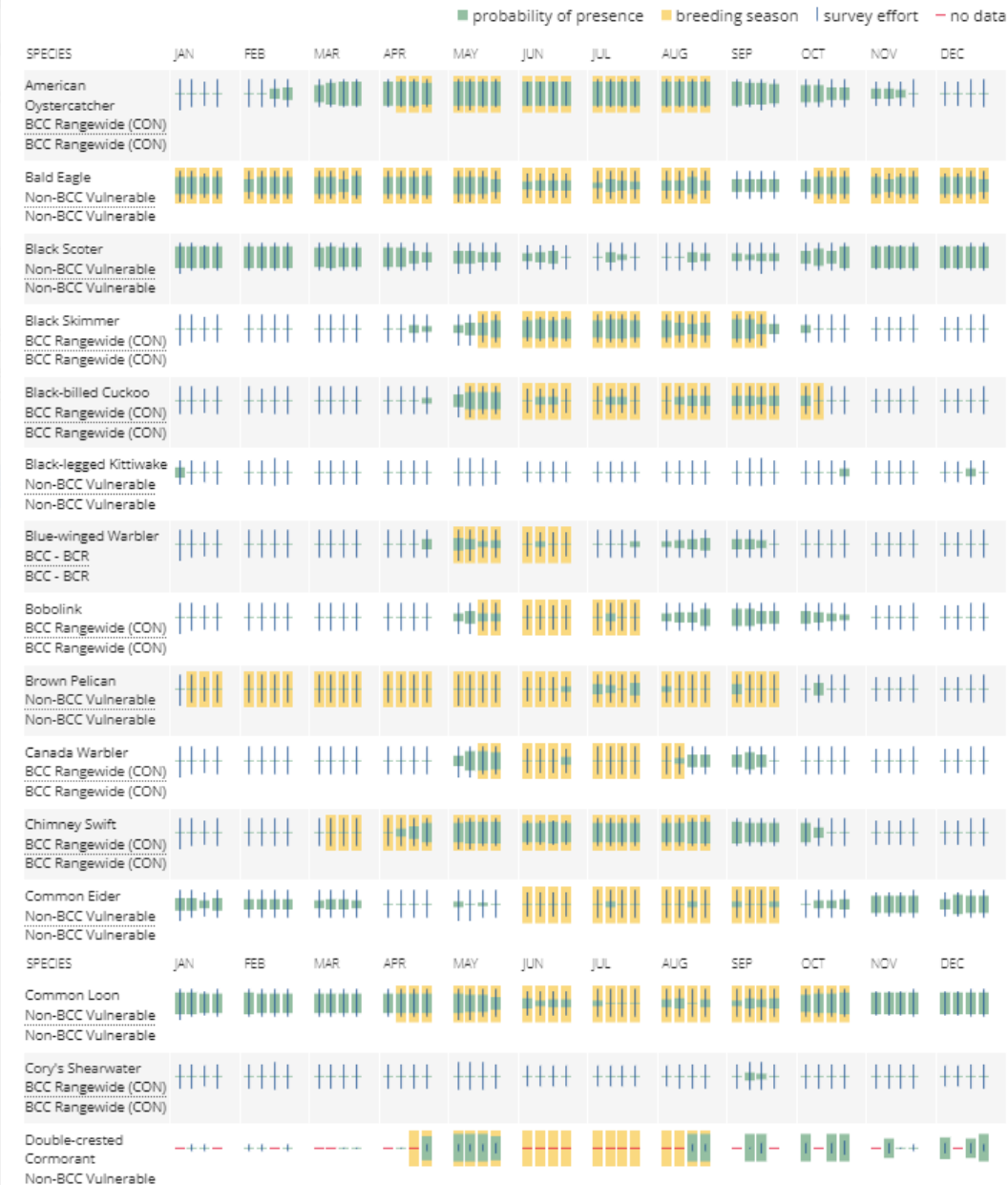
What's ne

Define a proje
to evaluate p
get an official
make species

DEFINE P

Migratory Bird Probability of Presence for this Project

[Tell me about these graphs.](#)



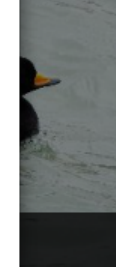
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SUMMARY

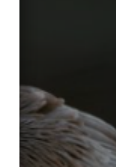
CC Vulnerable



CC Vulnerable



CC Vulnerable



Integrate the environmental review process into your project design

Quickly and easily identify USFWS managed resources and suggested conservation measures for your project.

Explore species and habitat

See if any listed species[?], critical habitat, migratory birds or other natural resources may be impacted by your project.

Using the map tool, explore other resources in your location, such as wetlands, wildlife refuges, GAP land cover, and other important biological resources.

Conduct a regulatory review

Log in and define a project to get an official species list and evaluate potential impacts on resources managed by the U.S. Fish and Wildlife Service.

Follow IPaC's Endangered Species Act (ESA) Review process—a streamlined, step-by-step consultation process available in select areas for certain project types, agencies, and species.

Build a Consultation Package

Consultation Package Builder (CPB) replaces and improves on the original Impact Analysis by providing an interactive, step-by-step process to help you prepare a full consultation package leveraging U.S. Fish and Wildlife Service data and recommendations, including conservation measures designed to help you avoid or minimize effects to listed species.

CPB will continue to be improved over time.

Will need to get a LOGIN.GOV account if you don't already have one (<https://login.gov/>)

Helpful Videos

[IPaC 101 Presentation \(Slides only\)](#)

[IPaC 10-minute tour \(Demo only\)](#)

[IPaC Overview \(Demo & Slides\)](#)

[IPaC Commercial](#)

[Requesting an Official Species List \(Demo only\)](#)

[Using a Determination Key \(Demo only\)](#)

[Using the Consultation Package Builder \(Demo only\)](#)

[Consultation Package Builder Commercial](#)

IPaC Resource List

3/9/22, 1:38 PM IPaC: Explore Location resources 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 offices 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.

Project information

NAME
test b

LOCATION
Minnesota and Wisconsin



DESCRIPTION
None

Local office

3/9/22, 1:38 PM IPaC: Explore Location resources

(952) 646-2873

MAILING ADDRESS
4101 American Blvd E
Bloomington, MN 55425-1665

PHYSICAL ADDRESS
4101 American Blvd E
Bloomington, MN 55425-1665

<http://www.fws.gov/midwest/Endangered/section7/s7process/step1.html>

3/9/22, 1:38 PM IPaC: Explore Location resources

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 and request an official species list:

1. Log in to IPaC.
2. Go to your My Projects list.
3. Click PROJECT HOME for the project.
4. Click REQUEST SPECIES LIST.

Listed species and their critical habitat information. IPaC only shows species listed in the National Oceanic and Atmospheric Administration (NOAA) Fish and Wildlife Service (USFWS) Species and critical habitats list. Please contact [NOAA Fisheries](https://www.fws.gov).

The following species are present in the project area:

Mammals

3/9/22, 1:38 PM IPaC: Explore Location resources

NAME	STATUS
Northern Long-eared Bat <i>Myotis septentrionalis</i>	Threatened
Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9045	
Clams	
NAME	STATUS
Higgins Eye (pearlymussel) <i>Lampsilis higginsii</i>	Endangered
Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/5428	
Sheepnose Mussel <i>Plethobasus cyphus</i>	Endangered
Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6903	
Insects	
NAME	STATUS
Karner Blue Butterfly <i>Lycalydes melissa samuelis</i>	Endangered
Wherever found There is proposed critical habitat for this species. The location of the critical habitat is not available. https://ecos.fws.gov/ecp/species/6656	
Monarch Butterfly <i>Danaus plexippus</i>	Candidate
Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9743	
Rusty Patched Bumble Bee <i>Bombus affinis</i>	Endangered
Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9383	

3/9/22, 1:38 PM IPaC: Explore Location resources

There are no critical habitats at this location.

3/9/22, 1:38 PM IPaC: Explore Location resources

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>

The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern](#) (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the [FAQ below](#). This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birds and the general public have sighted birds in and around your location, desired date range Atlantic Coast, additional maps and more species on your list are available. Links to other important information about you use your migratory bird report, can be found [here](#).

For guidance on when to schedule activity to reduce impacts to migratory birds on the top of your list to see when these birds are in your project area.

NAME	STATUS
Golden-winged Warbler <i>Vermivora chrysoptera</i>	Breeds May 1 to Jul 20
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/8745	
Henslow's Sparrow <i>Ammodramus henslowii</i>	Breeds May 1 to Aug 31
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9441	
Le Conte's Sparrow <i>Ammodramus leconteii</i>	Breeds Jun 1 to Aug 15
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	
Lesser Yellowlegs <i>Tringa flavipes</i>	Breeds elsewhere
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9679	
Red-headed Woodpecker <i>Melanerpes erythrocephalus</i>	Breeds May 10 to Sep 10
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	
Ruddy Turnstone <i>Arenaria interpres grinnellii</i>	Breeds elsewhere
This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	
Rusty Blackbird <i>Euphagus carolinus</i>	Breeds elsewhere
This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	
Short-billed Dowitcher <i>Limnodromus griseus</i>	Breeds elsewhere
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9480	
Wood Thrush <i>Hylocichla mustelina</i>	Breeds May 10 to Aug 31
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	

IPaC Consultation Package Builder (optional resource in IPaC)

- ▶ Consultation Package Builder (CPB) provides an interactive, step-by-step process to help you prepare a full consultation package leveraging U.S. Fish and Wildlife Service data and recommendations, including conservation measures designed to help you avoid or minimize effects to listed species
- ▶ Many spill response activities built-in to the CPB
- ▶ You may want to skip using CPB if:
 - ▶ You expect your project only needs minor technical assistance; or
 - ▶ You have already analyzed and made justified effect determinations for the species in your action area.

IPaC Example

Project Type and Deconstruction





Project type and deconstruction

Deconstruct the proposed action by selecting all of its activities and structures.

The selected activities and structures provide the headings under which the Effects Analysis (i.e., effects of the action) for the species and critical habitat will be organized in your final document (i.e., biological assessment or other environmental review document). Later you will describe each activity and structure in greater detail.

1) What structures and activities comprise your project?

Activities

Monitor air quality	
Use of cofferdam	
Use of decontamination area	
Vacuuming	

[ADD MORE STRUCTURES AND ACTIVITIES](#)

2) What kind of project is this?

Project types

Contaminant spill response	
----------------------------	---

Select structures and activities

Search to find project types (which include structures and activities) that best match your project; or add structures and activities individually. If your search produces no results, you can create a custom structure or activity.

[FILTER](#) ▾

Structures

Lake/pond +
Possibly related

Activities

Contaminant residue removal (land) +

Contaminant residue removal (water) +

Contaminated debris removal +

Contaminated sediment removal +



Search NOAA Fisheries

[Find A Species](#)[Fishing & Seafood](#)[Protecting Marine Life](#)[Environment](#)[Regions](#)[Resources & Services](#)[About Us](#)

RESOURCES

The Greater Atlantic Region ESA Section 7 Mapper

We created an online application, the Section 7 Mapper, to assist federal action agencies in identifying the ESA-listed species and critical habitat in their project action area.

[Map](#) | [New England/Mid-Atlantic](#)

Within the Section 7 Mapper, we have included data layers that represent our best estimate of the spatial and temporal range of listed species' life stages, behaviors, and critical habitat in our region.

Use of this app does NOT replace the section 7 consultation process.

We are providing the Section 7 Mapper as a technical assistance tool and expect action agencies will use it as a first step in determining if a proposed federal action overlaps with listed species or critical habitat.

We have published several documents to support the mapper.

These include:

- [A User Guide](#) for the Section 7 Mapper (PDF, 24 pages).
- [Metadata](#) describing the Section 7 Consultation Area geodatabase, which informs the mapper (PDF, 84 pages) (last updated August 2022).
- [General descriptions of Atlantic sturgeon life stages and behaviors used in the Consultation Areas](#) (PDF, 4 pages).
- [General descriptions of Shortnose sturgeon life stages and behaviors used in the Consultation Areas](#) (PDF, 4 pages).

More Information

- > [Launch the ESA Section 7 Mapper](#) (last updated August 2022) [↗](#)
- > [Section 7: Species/Critical Habitat Information & Maps for the Greater Atlantic...](#)
- > [Section 7 Consultations in the Greater Atlantic Region](#)

Environmental Best Management Practices (BMPs) for Oil Spill Response in Regional Response Team 3 (RRT3) Coastal Zone

General Response Operations

- Response personnel may not attempt to scare, herd, disturb, or harass any protected species to encourage them to leave the area. Coordination with National Oceanic and Atmospheric Administration (NOAA) Scientific Support Coordinator (SSC), U.S. Fish and Wildlife Service (USFWS) and/or National Marine Fisheries Service (NMFS) Stranding Coordinator, or appointed point of contact, may result in authorization for these actions.
- Report stranded, injured, sick, trapped, entangled, or dead wildlife to the Incident Commander (IC) and Environmental Unit as soon as possible to ensure appropriate agency notifications are made.
- The area should be surveyed for the presence of wildlife impacts by an individual trained to identify oiled wildlife. Report wildlife observations (oiled and unoiled animals and habitats) to the Command Center so that they can be plotted in the COP (Common Operating Platform). Do not assume that an inactive turtle is dead. The onset of rigor mortis and/or rotting flesh are often the only definite indications that a turtle is dead. Releasing a comatose turtle into any amount of water will drown it, and a turtle may recover once its lungs have had a chance to drain.
 - If a turtle appears to be comatose (unconscious), contact the designated stranding/rehabilitation personnel immediately. Pick up sea turtles by the front and back of the top shell (carapace). Do not pick up sea turtles by flippers, the head or the tail. Once the rehabilitation personnel have been informed of the incident, attempts should be made to revive the turtle at once. Sea turtles have been known to revive up to 24 hours after resuscitation procedures have been followed. In accordance with Sea Turtle Resuscitation Regulations (50 CFR 223.206(d)(1)), steps for resuscitation can be found at https://media.fisheries.noaa.gov/dam-migration/sea_turtle_handling_and_resuscitation_measures.pdf.
 - If the sea turtle is stranded, injured, or sick, and actively moving it should be retained at onboard until transported by stranding/rehabilitation personnel to the nearest designated stranding/rehabilitation facility.

Summary

- ▶ DOI Trustee for natural resources and DOI managed lands
- ▶ Ensure trust resources and supporting habitats are considered during planning and response
- ▶ FWS may conduct NRDAR with co-Trustees
- ▶ **We are here to help during planning and response**

Contact

- ▶ USFWS Field Spill Response Coordinators:
 - ▶ Sarah Scheaffer **sarah_scheaffer@fws.gov** or 609-833-1476
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