

Appendix J-5
Threatened, Endangered, and Special Concern Species, and
Significant Natural Communities

Appendix J-5-1
Correspondence with New York Natural Heritage Program (NYNHP)
(dated June 1, 2016 and July 1, 2016)



AKRF, Inc.
Environmental Planning Consultants
440 Park Avenue South
7th Floor
New York, NY 10016
tel: 212 696-0670
fax: 212 213-3191
www.akrf.com

June 1, 2016

Nicholas Conrad Coordinator
Information Services
New York Natural Heritage Program
625 Broadway, 5th Floor
Albany, NY 12233-4757

**Re: NYSDOT I-81 Viaduct Project, Syracuse, NY
Threatened and Endangered, Special Concern, Rare Species and Significant Ecological
Communities Request**

Dear Mr. Conrad:

The New York State Department of Transportation (NYSDOT) is proposing to reconstruct or replace Interstate 81 from approximately Colvin Street to approximately the Onondaga Lake Parkway/NYS Route 370 interchange (the "I-81 Viaduct project") in the City of Syracuse, Onondaga County, New York (proposed project) (see Figure 1). The proposed project would also involve enhancements along I-690 between West Street and Lodi Street in the area of the I-81/I-690 interchange (Project Area A, see Figure 2), in the vicinity of the I-81 and I-481 interchange to the south of I-690 (Project Area B, see Figure 3), along I-481 between the north and south intersections of I-481 and I-81 (Project Area C, see Figure 4), and in the vicinity of the northern I-481 and I-81 interchange (Project Area D, see Figure 5). The I-81 interstate is a critical thoroughfare at both the regional and national levels. The highway and its many major bridges are now nearing the end of their useful life. In downtown Syracuse, the particular concern is the one-mile raised roadway section (i.e., Viaduct) and the adjacent I-81/I-690 interchange which has over 11,000 feet of major bridge structures. This section of highway is known for design deficiencies, accidents, and traffic congestion. The purpose of the I-81 Viaduct Project is to address the structural deficiencies and non-standard highway features of the I-81 corridor while creating and improved corridor through the City of Syracuse that meets transportation needs and provides the infrastructure to support long-range planning efforts.

An Environmental Impact Statement (EIS) is being prepared pursuant to the National Environmental Policy Act (NEPA) and the State Environmental Quality Review Act (SEQR) to assess the environmental impacts of the proposed project. In support of this effort, I am writing to request information on state- and federally-listed threatened or endangered species, species of special concern, and significant natural communities within a 1.5 mile radius of each of the project areas (A through D). In addition, I am writing to request information for the following species and distances from each of the Project Areas (A through D):

- Indiana bat (*Myotis sodalis*) (2.5 mile radius);
- Bog turtle (*Glyptemys muhlenbergii*) (1 mile radius);
- Blanding's turtle (*Emydoidea blandingii*) (0.6 mile radius);

- Timber rattlesnake (*Crotalus horridus*) (1.5 mile radius);
- Aquatic species (up to 2 miles downstream); and
- Indiana bat hibernacula (40 mile radius).

The information provided by NYNHP will be used for the environmental evaluations in the EIS. However, specific locations of sensitive species or habitats developed from lists provided by NYNHP will not be published in any document.

Please send the requested information or any questions regarding this request via my email at amcmahon@akrf.com. Thank you for your time and assistance.

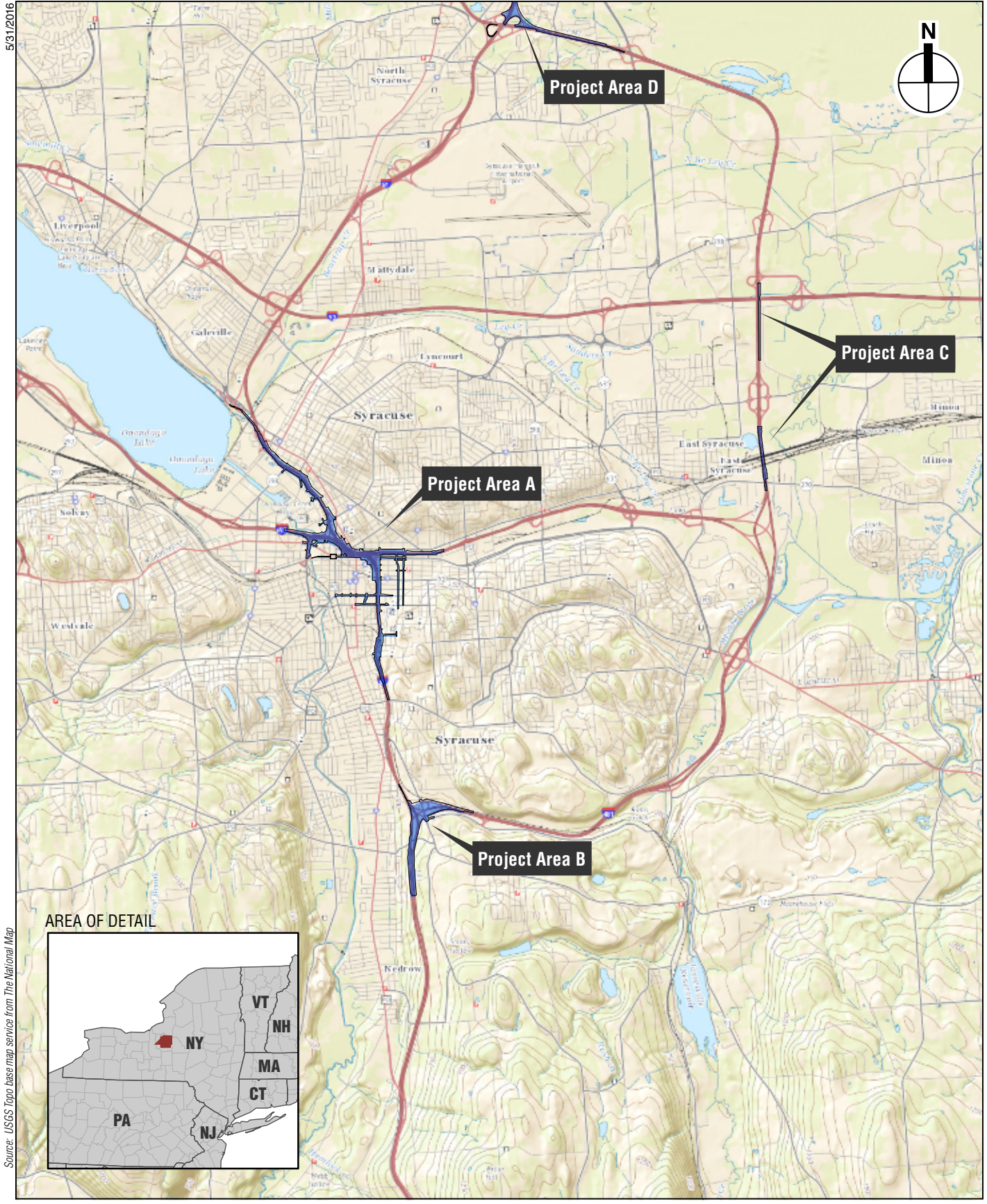
Sincerely,



Aubrey A McMahon
Technical Director/ISA Certified Arborist

Encl: Project Location Figures 1 through 5

cc: J. Adams (NYSDOT)
C. Calvert (AKRF)



Project Area

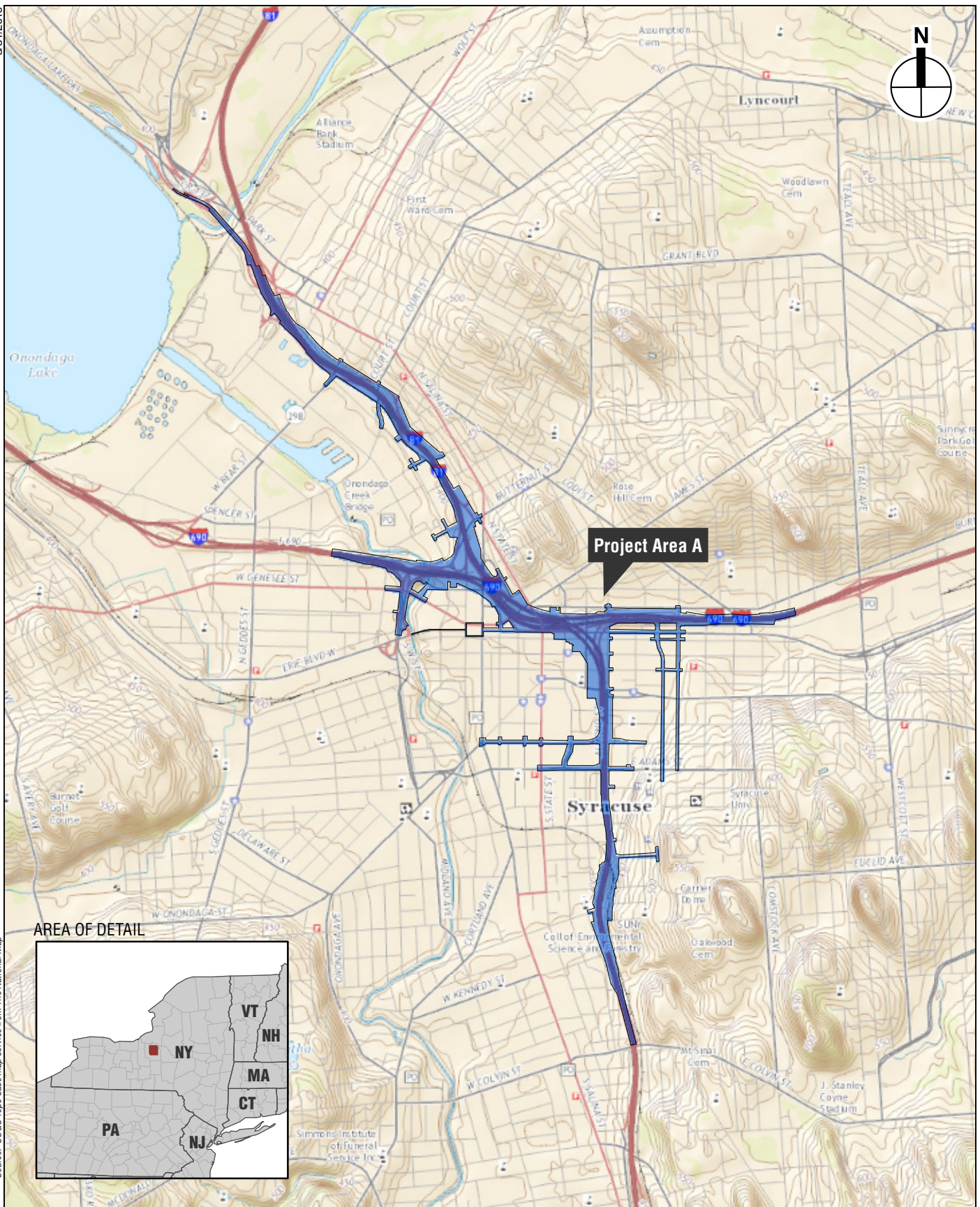
Approximate coordinates of Project Area:
76°6'51"W 43°2'36"N

NYSDOT I-81 Syracuse

USGS 7.5 Minute Topographic Map
Syracuse West Quad
Figure 1

5/31/2016

Source: USGS Topo base map service from The National Map

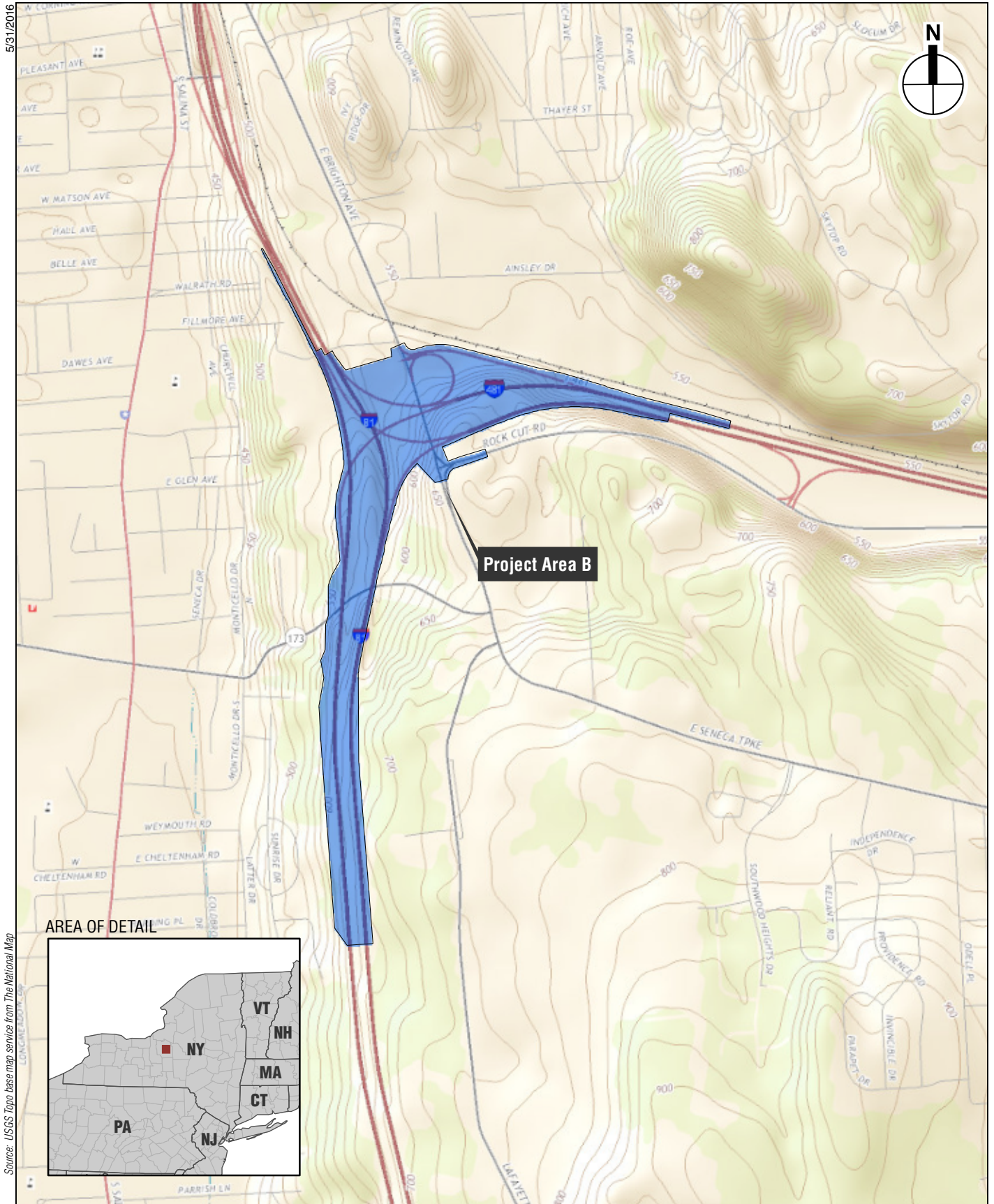


Project Area

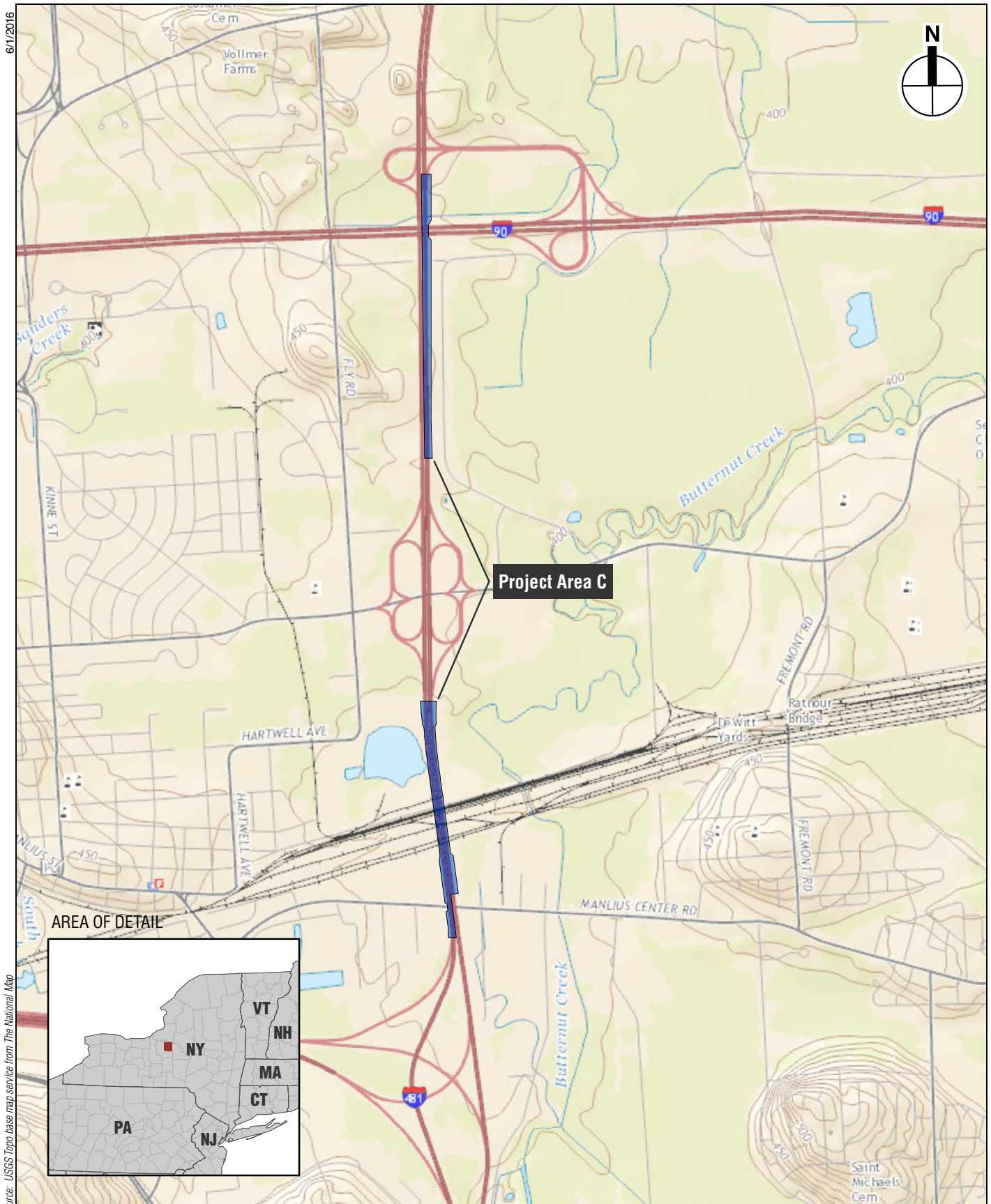
Approximate coordinates of Project Area:
76°9'6"W 43°3'8"N

NYSDOT I-81 Syracuse

USGS 7.5 Minute Topographic Map
Syracuse West Quad
Figure 2



6/1/2016



Source: USGS Topo base map service from The National Map

Project Area

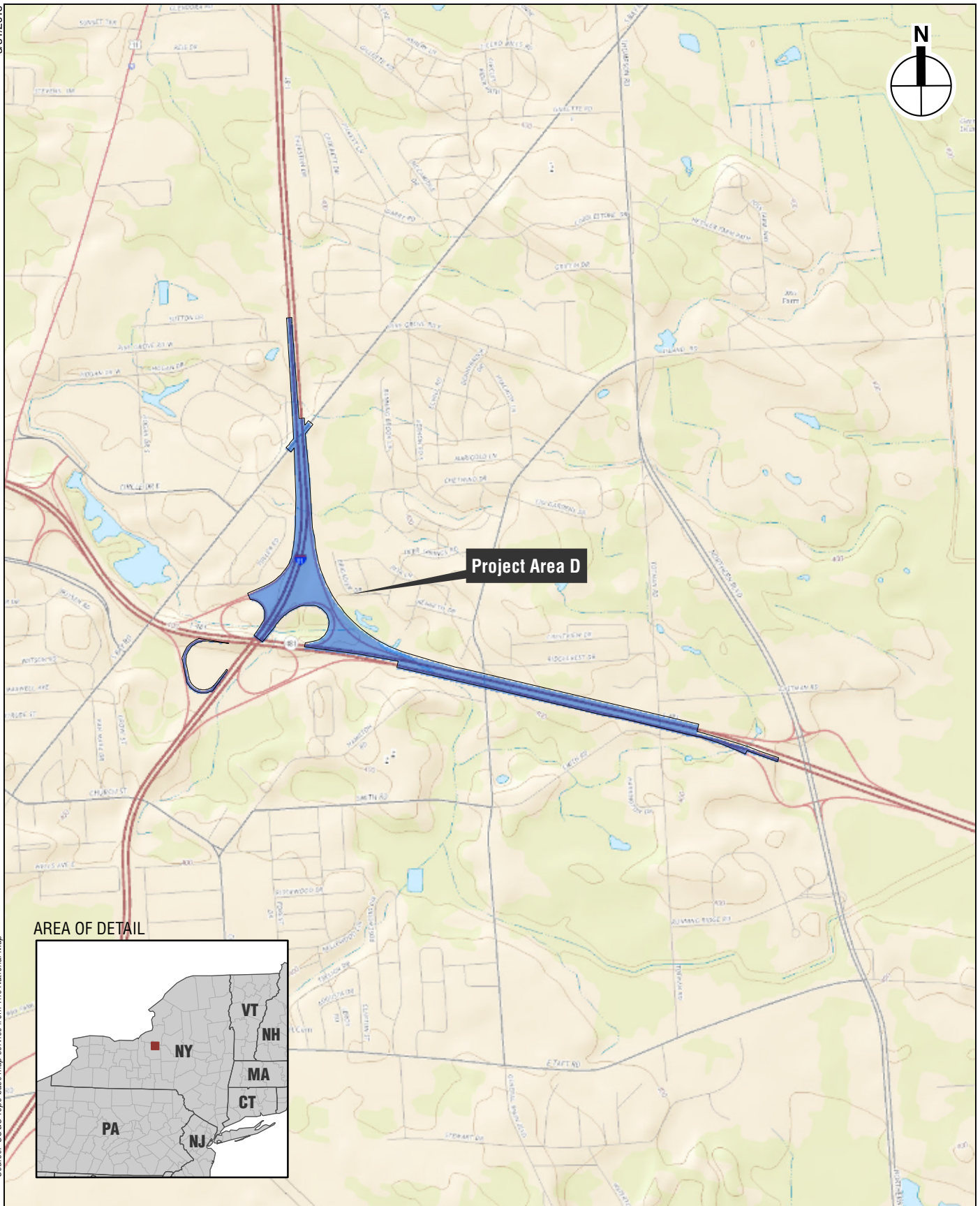
Approximate coordinates of Project Area:
76°2'56"W 43°4'38"N

NYSDOT I-81 Syracuse

USGS 7.5 Minute Topographic Map
Syracuse West Quad
Figure 4

5/31/2016

Source: USGS Topo base map service from The National Map



 Project Area

Approximate coordinates of Project Area:
76°6'0"W 43°8'34"N

NYSDOT I-81 Syracuse

USGS 7.5 Minute Topographic Map
Syracuse West Quad
Figure 5

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Fish, Wildlife & Marine Resources
New York Natural Heritage Program
625 Broadway, 5th Floor, Albany, New York 12233-4757
Phone: (518) 402-8935 • **Fax:** (518) 402-8925
Website: www.dec.ny.gov



July 01, 2016

Aubrey McMahon
AKRF, Inc.
440 Park Avenue South, 7th Floor
New York, NY 10016

Re: NYSDOT Interstate 81 Viaduct Project
Town/City: City Of Syracuse. County: Onondaga.

Dear Aubrey McMahon:

In response to your recent request, we have reviewed the New York Natural Heritage Program database with respect to the above project.

Enclosed is a report of rare or state-listed animals and plants, and significant natural communities that our database indicates occur, or may occur, on your site or in the immediate vicinity of the project site.

For most sites, comprehensive field surveys have not been conducted; the enclosed report only includes records from our database. We cannot provide a definitive statement as to the presence or absence of all rare or state-listed species or significant natural communities. Depending on the nature of the project and the conditions at the project site, further information from on-site surveys or other sources may be required to fully assess impacts on biological resources.

Our database is continually growing as records are added and updated. If this proposed project is still under development one year from now, we recommend that you contact us again so that we may update this response with the most current information.

The presence of the plants and animals identified in the enclosed report may result in this project requiring additional review or permit conditions. For further guidance, and for information regarding other permits that may be required under state law for regulated areas or activities (e.g., regulated wetlands), please contact the appropriate NYS DEC Regional Office, Division of Environmental Permits, as listed at www.dec.ny.gov/about/39381.html.

Sincerely,

A handwritten signature in black ink, appearing to read "Nick Conrad".

Nicholas Conrad
Information Resources Coordinator
New York Natural Heritage Program



**The following state-listed animals have been documented
in the vicinity of the I-81 Viaduct Project sites.**

The following list includes animals that are listed by NYS as Endangered, Threatened, or Special Concern; and/or that are federally listed or are candidates for federal listing.

For information about any permit considerations for your project, contact the Permits staff at the NYSDEC Region 7 Office. For information about potential impacts of your project on these species, and how to avoid, minimize, or mitigate any impacts, contact the Wildlife Manager.

A listing of Regional Offices is at <http://www.dec.ny.gov/about/558.html>.

The following species have been documented near the project sites.

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	FEDERAL LISTING
Birds			
Peregrine Falcon <i>Breeding;</i> within 150 feet of Project Area A.	<i>Falco peregrinus</i>	Endangered	11376
Least Bittern <i>Breeding;</i> within 700 feet of Project Area D.	<i>Ixobrychus exilis</i>	Threatened	11845
Fish			
Lake Sturgeon [REDACTED] Project Area A).	<i>Acipenser fulvescens</i>	Threatened	14470

**The following species has been documented within 1.5 miles of Project Area B, and within .75 mile of Project Area C. Individual animals may travel 2.5 miles from documented locations.
The main impact of concern for bats is the removal of potential roost trees.**

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	FEDERAL LISTING
Mammals			
Indiana Bat <i>Maternity colony</i>	<i>Myotis sodalis</i>	Endangered	Endangered
			10738

**The following species have been documented within 4 miles of Project Area B. Individual animals may travel 5 miles from documented locations.
The main impact of concern for bats is the removal of potential roost trees.**

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	FEDERAL LISTING
Mammals			
Northern Long-eared Bat <i>Hibernaculum</i>	<i>Myotis septentrionalis</i>	Threatened	Threatened
			14190



**The following rare plants and natural communities
have been documented at near the I-81 Viaduct Project sites**

We recommend that potential onsite and offsite impacts of the proposed project on these species or communities be addressed as part of any environmental assessment or review conducted as part of the planning, permitting and approval process, such as reviews conducted under SEQRA. Field surveys of the project site may be necessary to determine the status of a species at the site, particularly for sites that are currently undeveloped and may still contain suitable habitat. Final requirements of the project to avoid, minimize, or mitigate potential impacts are determined by the lead permitting agency or the government body approving the project.

The following plants are listed as Endangered or Threatened by New York State, and/or are considered rare by the New York Natural Heritage Program, and so are a vulnerable natural resource of conservation concern.

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	HERITAGE CONSERVATION STATUS
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Project Area A, 1992-06-17.

Midland Sedge	<i>Carex mesochorea</i>	Threatened	Imperiled in NYS	2816
Reflexed Sedge	<i>Carex retroflexa</i>	Threatened	Imperiled in NYS	8472
Glomerate Sedge*	<i>Carex aggregata</i>	Endangered	Historical in NYS	8472

*Historical record; no existing locations known in NYS.

Project Area A), 2005.

Straight-leaf Pondweed	<i>Potamogeton strictifolius</i>	Endangered	Critically Imperiled in NYS	12316
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Project Area A:

1999-09-22: The plants are on the border of an artificial salt pond in a roadside park.

Seaside Bulrush	<i>Bolboschoenus maritimus</i> <i>ssp. paludosus</i>	Threatened	Imperiled in NYS	11786
Saltmarsh Aster	<i>Symphyotrichum subulatum</i> <i>var. subulatum</i>	Threatened	Imperiled in NYS	11799
Inland Salt Pond			Globally Rare Community Type	9355
Severely degraded.				

This report only includes records from the NY Natural Heritage database. For most sites, comprehensive field surveys have not been conducted, and we cannot provide a definitive statement as to the presence or absence of all rare or state-listed species. Depending on the nature of the project and the conditions at the project site, further information from on-site surveys or other sources may be required to fully assess impacts on biological resources.

If any rare plants or animals are documented during site visits, we request that information on the observations be provided to the New York Natural Heritage Program so that we may update our database.

Information about many of the rare animals and plants in New York, including habitat, biology, identification, conservation, and management, are available online in Natural Heritage's Conservation Guides at www.guides.nynhp.org, from NatureServe Explorer at www.natureserve.org/explorer, and from USDA's Plants Database at <http://plants.usda.gov/index.html> (for plants).

Information about many of the natural community types in New York, including identification, dominant and characteristic vegetation, distribution, conservation, and management, is available online in Natural Heritage's Conservation Guides at www.guides.nynhp.org. For descriptions of all community types, go to www.dec.ny.gov/animals/97703.html for Ecological Communities of New York State.

Appendix J-5-2

United States Fish and Wildlife Service (USFWS) IPaC Results (dated November 16, 2016)

I-81 Viaduct Project - I-81 Viaduct Study Area

IPaC Trust Resources Report

Generated November 16, 2016 02:04 PM MST, IPaC v3.0.9

This report is for informational purposes only and should not be used for planning or analyzing project level impacts. For project reviews that require U.S. Fish & Wildlife Service review or concurrence, please return to the IPaC website and request an official species list from the Regulatory Documents page.

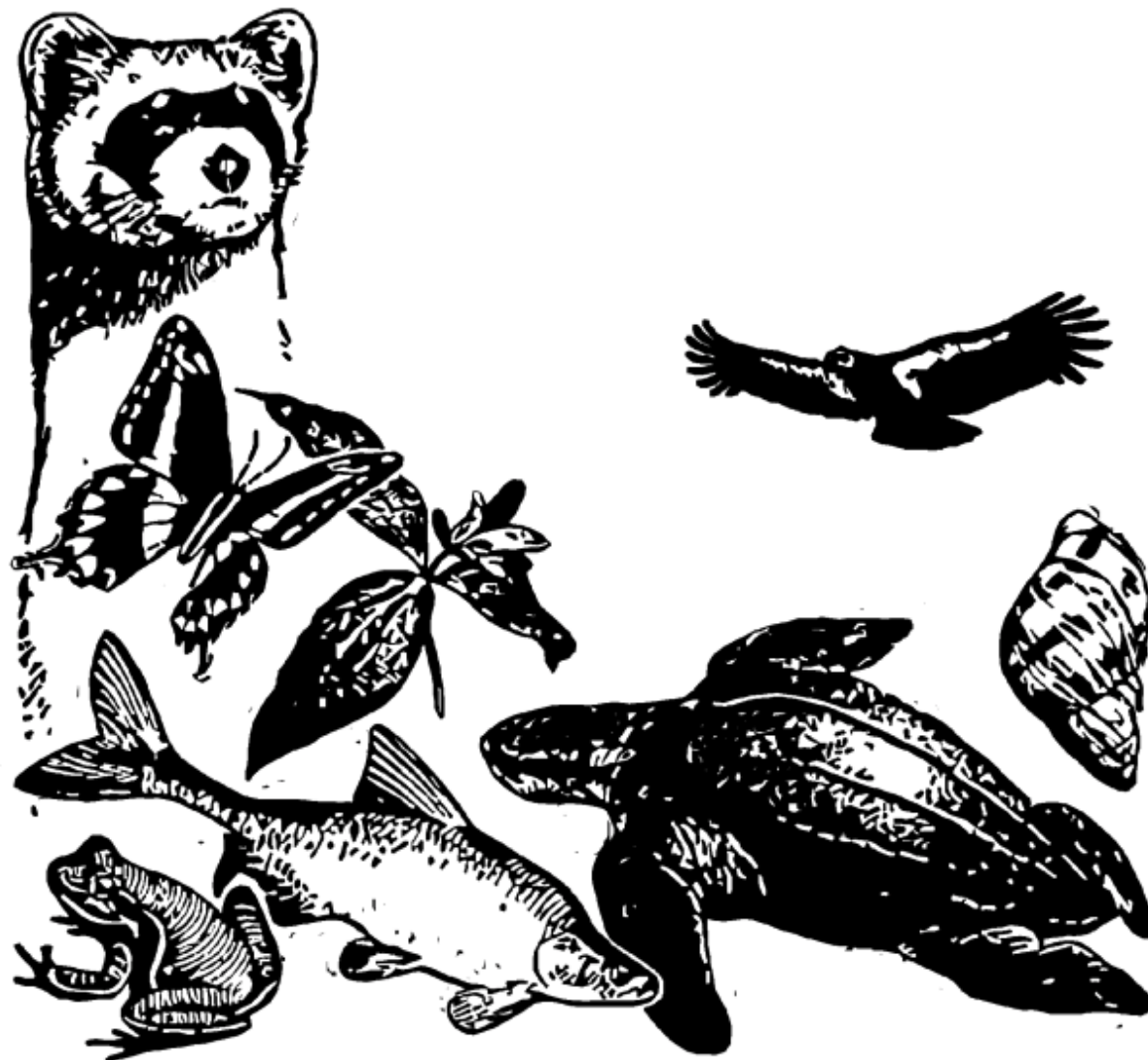


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U.S. Fish & Wildlife Service

IPaC Trust Resources Report



NAME

I-81 Viaduct Project - I-81 Viaduct
Study Area

LOCATION

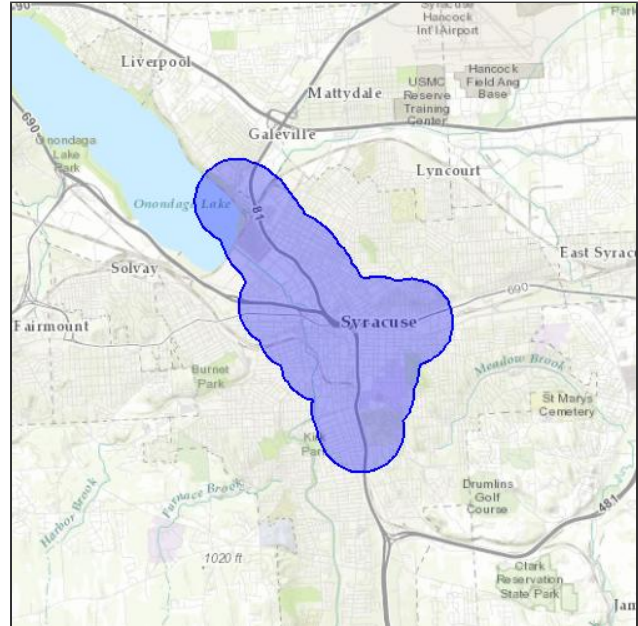
Onondaga County, New York

DESCRIPTION

0.6 mile radius around I-81 Viaduct
Study Area

IPAC LINK

[https://ecos.fws.gov/ipac/project/
7BCYH-BR3EZ-A6VJV-G6P22-VQ2XM4](https://ecos.fws.gov/ipac/project/7BCYH-BR3EZ-A6VJV-G6P22-VQ2XM4)



U.S. Fish & Wildlife Service Contact Information

Trust resources in this location are managed by:

New York Ecological Services Field Office

3817 Luker Road

Cortland, NY 13045-9349

(607) 753-9334

Endangered Species

Proposed, candidate, threatened, and endangered species are managed by the [Endangered Species Program](#) of the U.S. Fish & Wildlife Service.

This USFWS trust resource report is for informational purposes only and should not be used for planning or analyzing project level impacts.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list from the Regulatory Documents section.

[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 either from the Regulatory Documents section in IPaC or from the local field office directly.

The list of species below are those that may occur or could potentially be affected by activities in this location:

Mammals

Indiana Bat *Myotis sodalis* Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=A000

Northern Long-eared Bat *Myotis septentrionalis* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=A0JE

Reptiles

Eastern Massasauga (=rattlesnake) *Sistrurus catenatus* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=C03P

Critical Habitats

There are no critical habitats in this location

Migratory Birds

Birds are protected by the [Migratory Bird Treaty Act](#) and the [Bald and Golden Eagle Protection Act](#).

Any activity that results in the take of migratory birds or eagles is prohibited unless authorized by the U.S. Fish & Wildlife Service.^[1] There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

Any person or organization who plans or conducts activities that may result in the take of migratory birds is responsible for complying with the appropriate regulations and implementing appropriate conservation measures.

1. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

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>
- Conservation measures for birds
<http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Year-round bird occurrence data
<http://www.birdscanada.org/birdmon/default/datasummaries.jsp>

The following species of migratory birds could potentially be affected by activities in this location:

American Bittern *Botaurus lentiginosus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F3

Bald Eagle *Haliaeetus leucocephalus*

Bird of conservation concern

Season: Year-round

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B008

Black Tern *Chlidonias niger*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B09E

Black-billed Cuckoo *Coccyzus erythrophthalmus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HI

Blue-winged Warbler *Vermivora pinus*

Season: Breeding

Bird of conservation concern

Canada Warbler *Wilsonia canadensis*

Season: Breeding

Bird of conservation concern

Golden-winged Warbler *Vermivora chrysoptera*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0G4

Least Bittern *Ixobrychus exilis*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B092

Olive-sided Flycatcher *Contopus cooperi*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0AN

Peregrine Falcon *Falco peregrinus*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FU

Pied-billed Grebe *Podilymbus podiceps*

Season: Breeding

Bird of conservation concern

Prairie Warbler *Dendroica discolor*

Season: Breeding

Bird of conservation concern

Red-headed Woodpecker *Melanerpes erythrocephalus*

Season: Breeding

Bird of conservation concern

Short-eared Owl *Asio flammeus*

Season: Wintering

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HD

Upland Sandpiper *Bartramia longicauda*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HC

Willow Flycatcher *Empidonax traillii*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F6

Wood Thrush *Hylocichla mustelina*

Season: Breeding

Bird of conservation concern

Wildlife refuges and fish hatcheries

There are no refuges or fish hatcheries in this location

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](#).

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.

This location overlaps all or part of the following wetlands:

Freshwater Emergent Wetland

[PEM1/UBFx](#)

[PEM1Cs](#)

Freshwater Pond

[PUBFx](#)

[PUBHh](#)

Lake

[L1UBH](#)

[L2UBH](#)

[L2USAs](#)

Riverine

[R2UBHx](#)

A full description for each wetland code can be found at the National Wetlands Inventory website: <http://107.20.228.18/decoders/wetlands.aspx>

I-81 Viaduct Project - I-481 East Study Area

IPaC Trust Resources Report

Generated November 16, 2016 02:06 PM MST, IPaC v3.0.9

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U.S. Fish & Wildlife Service

IPaC Trust Resources Report



NAME

I-81 Viaduct Project - I-481 East Study Area

LOCATION

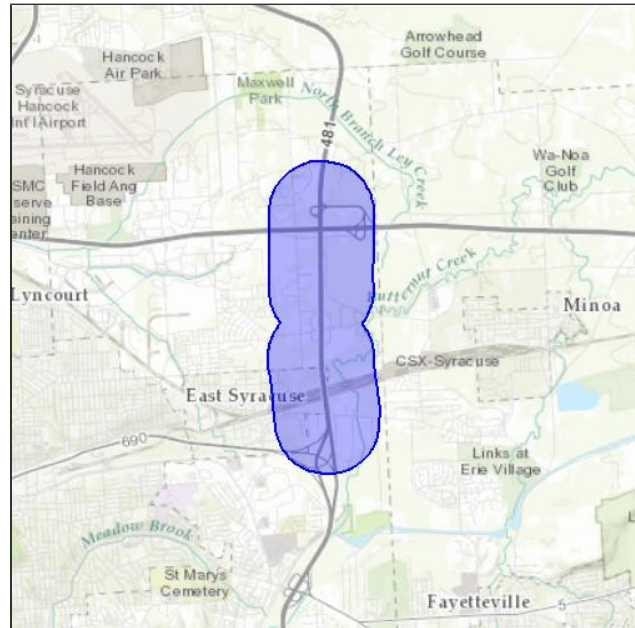
Onondaga County, New York

DESCRIPTION

0.6 mile radius around I-481 East Study Area

IPAC LINK

<https://ecos.fws.gov/ipac/project/CE27A-AQFB5-C5HML-CPEK7-EPFFAE>



U.S. Fish & Wildlife Service Contact Information

Trust resources in this location are managed by:

New York Ecological Services Field Office

3817 Luker Road

Cortland, NY 13045-9349

(607) 753-9334

Endangered Species

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A letter from the local office and a species list which fulfills this requirement can only be obtained by requesting an official species list either from the Regulatory Documents section in IPaC or from the local field office directly.

The list of species below are those that may occur or could potentially be affected by activities in this location:

Mammals

Indiana Bat *Myotis sodalis* Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=A000

Northern Long-eared Bat *Myotis septentrionalis* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=A0JE

Reptiles

Eastern Massasauga (=rattlesnake) *Sistrurus catenatus* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=C03P

Critical Habitats

There are no critical habitats in this location

Migratory Birds

Birds are protected by the [Migratory Bird Treaty Act](#) and the [Bald and Golden Eagle Protection Act](#).

Any activity that results in the take of migratory birds or eagles is prohibited unless authorized by the U.S. Fish & Wildlife Service.^[1] There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

Any person or organization who plans or conducts activities that may result in the take of migratory birds is responsible for complying with the appropriate regulations and implementing appropriate conservation measures.

1. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

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>
- Conservation measures for birds
<http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Year-round bird occurrence data
<http://www.birdscanada.org/birdmon/default/datasummaries.jsp>

The following species of migratory birds could potentially be affected by activities in this location:

American Bittern *Botaurus lentiginosus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F3

Bald Eagle *Haliaeetus leucocephalus*

Bird of conservation concern

Season: Year-round

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B008

Black Tern *Chlidonias niger*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B09E

Black-billed Cuckoo *Coccyzus erythrophthalmus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HI

Blue-winged Warbler *Vermivora pinus*

Season: Breeding

Bird of conservation concern

Canada Warbler *Wilsonia canadensis*

Season: Breeding

Bird of conservation concern

Golden-winged Warbler *Vermivora chrysoptera*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0G4

Least Bittern *Ixobrychus exilis*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B092

Olive-sided Flycatcher *Contopus cooperi*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0AN

Peregrine Falcon *Falco peregrinus*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FU

Pied-billed Grebe *Podilymbus podiceps*

Season: Breeding

Bird of conservation concern

Prairie Warbler *Dendroica discolor*

Season: Breeding

Bird of conservation concern

Red-headed Woodpecker *Melanerpes erythrocephalus*

Season: Breeding

Bird of conservation concern

Short-eared Owl *Asio flammeus*

Season: Wintering

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HD

Upland Sandpiper *Bartramia longicauda*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HC

Willow Flycatcher *Empidonax traillii*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F6

Wood Thrush *Hylocichla mustelina*

Season: Breeding

Bird of conservation concern

Wildlife refuges and fish hatcheries

There are no refuges or fish hatcheries in this location

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](#).

DATA LIMITATIONS

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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.

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This location overlaps all or part of the following wetlands:

Freshwater Emergent Wetland

[PEM1C](#)

[PEM1E](#)

[PEM5/UBF](#)

[PEM5A](#)

[PEM5Ad](#)

[PEM5C](#)

PEM5E

Freshwater Forested/shrub Wetland

PFO1/SS1A

PFO1A

PFO1C

PFO1E

PSS1C

PSS1E

Freshwater Pond

PUBFx

PUBHx

A full description for each wetland code can be found at the National Wetlands Inventory website: <http://107.20.228.18/decoders/wetlands.aspx>

I-81 Viaduct Project - I-481 North Study Area

IPaC Trust Resources Report

Generated November 16, 2016 02:08 PM MST, IPaC v3.0.9

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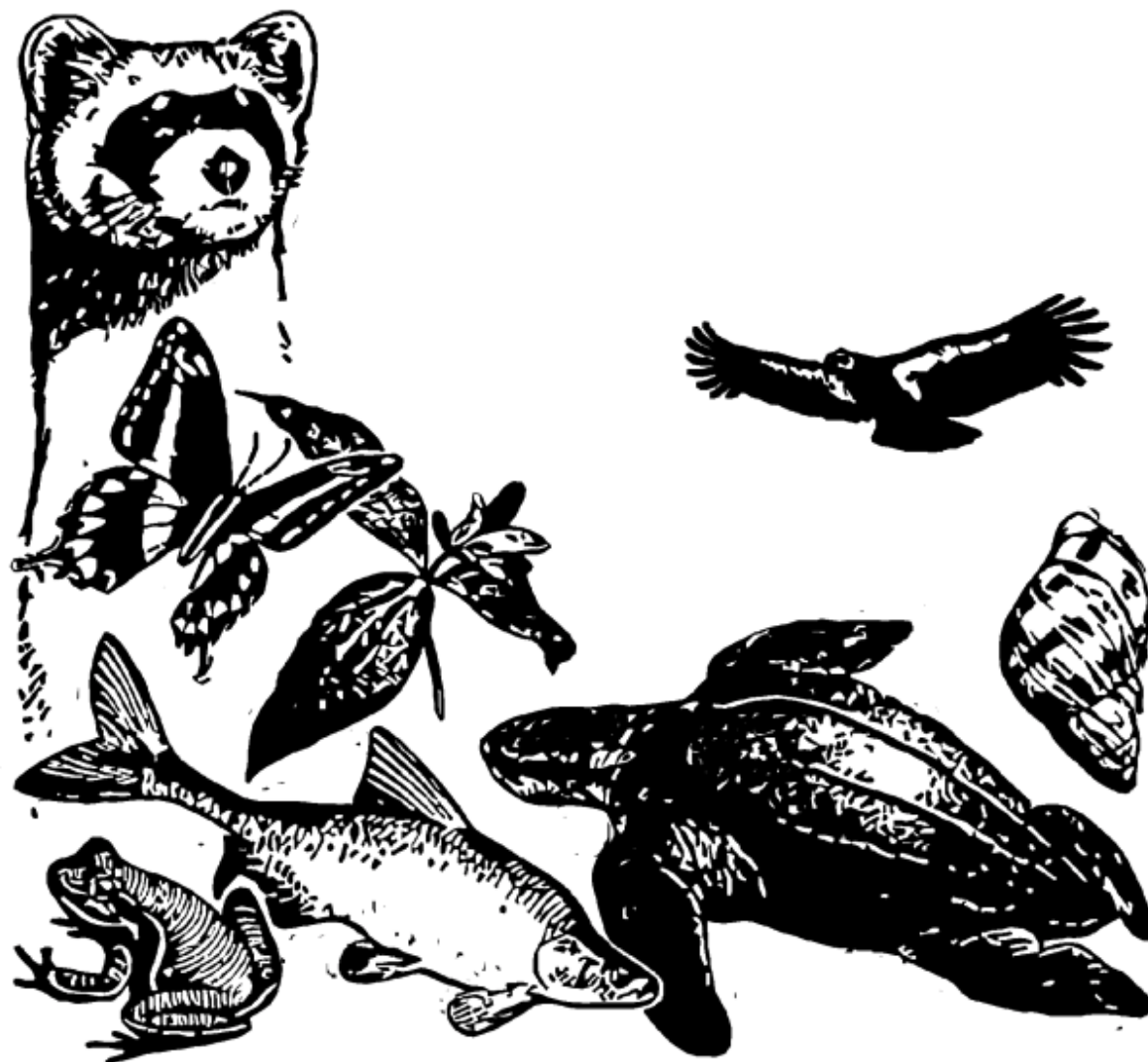


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Wetlands	<u>7</u>

U.S. Fish & Wildlife Service

IPaC Trust Resources Report



NAME

I-81 Viaduct Project - I-481 North Study Area

LOCATION

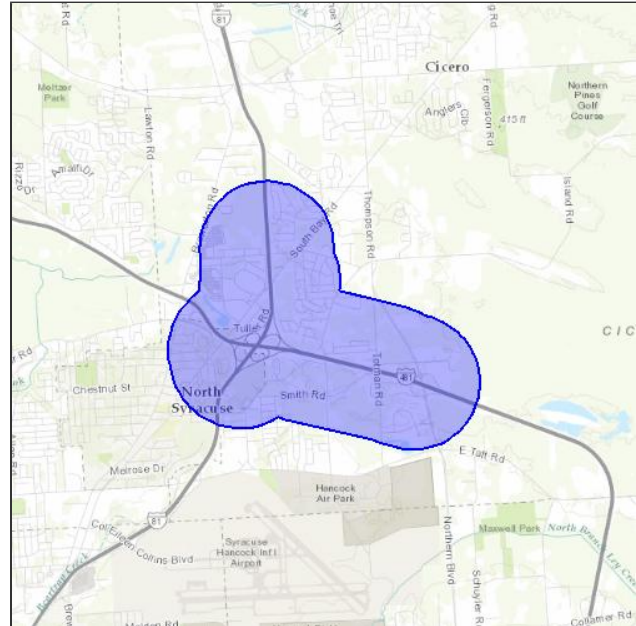
Onondaga County, New York

DESCRIPTION

0.6 mile radius around I-481 North Study Area

IPAC LINK

<https://ecos.fws.gov/ipac/project/2BHIN-UHIMB-BEJCO-BPSXL-5EPTSQ>



U.S. Fish & Wildlife Service Contact Information

Trust resources in this location are managed by:

New York Ecological Services Field Office

3817 Luker Road

Cortland, NY 13045-9349

(607) 753-9334

Endangered Species

Proposed, candidate, threatened, and endangered species are managed by the [Endangered Species Program](#) of the U.S. Fish & Wildlife Service.

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[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 either from the Regulatory Documents section in IPaC or from the local field office directly.

The list of species below are those that may occur or could potentially be affected by activities in this location:

Mammals

Indiana Bat *Myotis sodalis* Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=A000

Northern Long-eared Bat *Myotis septentrionalis* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=A0JE

Reptiles

Eastern Massasauga (=rattlesnake) *Sistrurus catenatus* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?scode=C03P

Critical Habitats

There are no critical habitats in this location

Migratory Birds

Birds are protected by the [Migratory Bird Treaty Act](#) and the [Bald and Golden Eagle Protection Act](#).

Any activity that results in the take of migratory birds or eagles is prohibited unless authorized by the U.S. Fish & Wildlife Service.^[1] There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

Any person or organization who plans or conducts activities that may result in the take of migratory birds is responsible for complying with the appropriate regulations and implementing appropriate conservation measures.

1. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

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>
- Conservation measures for birds
<http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Year-round bird occurrence data
<http://www.birdscanada.org/birdmon/default/datasummaries.jsp>

The following species of migratory birds could potentially be affected by activities in this location:

American Bittern *Botaurus lentiginosus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B0F3

Bald Eagle *Haliaeetus leucocephalus*

Bird of conservation concern

Season: Year-round

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B008

Black Tern *Chlidonias niger*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B09F

Black-billed Cuckoo *Coccyzus erythrophthalmus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B0H1

Blue-winged Warbler *Vermivora pinus*

Season: Breeding

Bird of conservation concern

Canada Warbler *Wilsonia canadensis*

Season: Breeding

Bird of conservation concern

Golden-winged Warbler *Vermivora chrysoptera*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0G4

Least Bittern *Ixobrychus exilis*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B092

Olive-sided Flycatcher *Contopus cooperi*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0AN

Peregrine Falcon *Falco peregrinus*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FU

Pied-billed Grebe *Podilymbus podiceps*

Season: Breeding

Bird of conservation concern

Prairie Warbler *Dendroica discolor*

Season: Breeding

Bird of conservation concern

Red-headed Woodpecker *Melanerpes erythrocephalus*

Season: Breeding

Bird of conservation concern

Short-eared Owl *Asio flammeus*

Season: Wintering

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HD

Upland Sandpiper *Bartramia longicauda*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HC

Willow Flycatcher *Empidonax traillii*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F6

Wood Thrush *Hylocichla mustelina*

Season: Breeding

Bird of conservation concern

Wildlife refuges and fish hatcheries

There are no refuges or fish hatcheries in this location

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.

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DATA LIMITATIONS

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This location overlaps all or part of the following wetlands:

Freshwater Emergent Wetland

[PEM5/UBFx](#)

[PEM5/UBHh](#)

[PEM5E](#)

Freshwater Forested/shrub Wetland

[PFO1/SS1A](#)

[PFO1/SS1E](#)

[PFO1Cd](#)

[PFO1E](#)

[PSS1/EM1E](#)

[PSS1/EM5E](#)

[PSS1E](#)

Freshwater Pond

[PUBFh](#)

[PUBFx](#)

[PUBH](#)

[PUBHh](#)

[PUBHx](#)

A full description for each wetland code can be found at the National Wetlands Inventory website: <http://107.20.228.18/decoders/wetlands.aspx>

I-81 Viaduct Project - I-481 South Study Area

IPaC Trust Resources Report

Generated November 16, 2016 02:05 PM MST, IPaC v3.0.9

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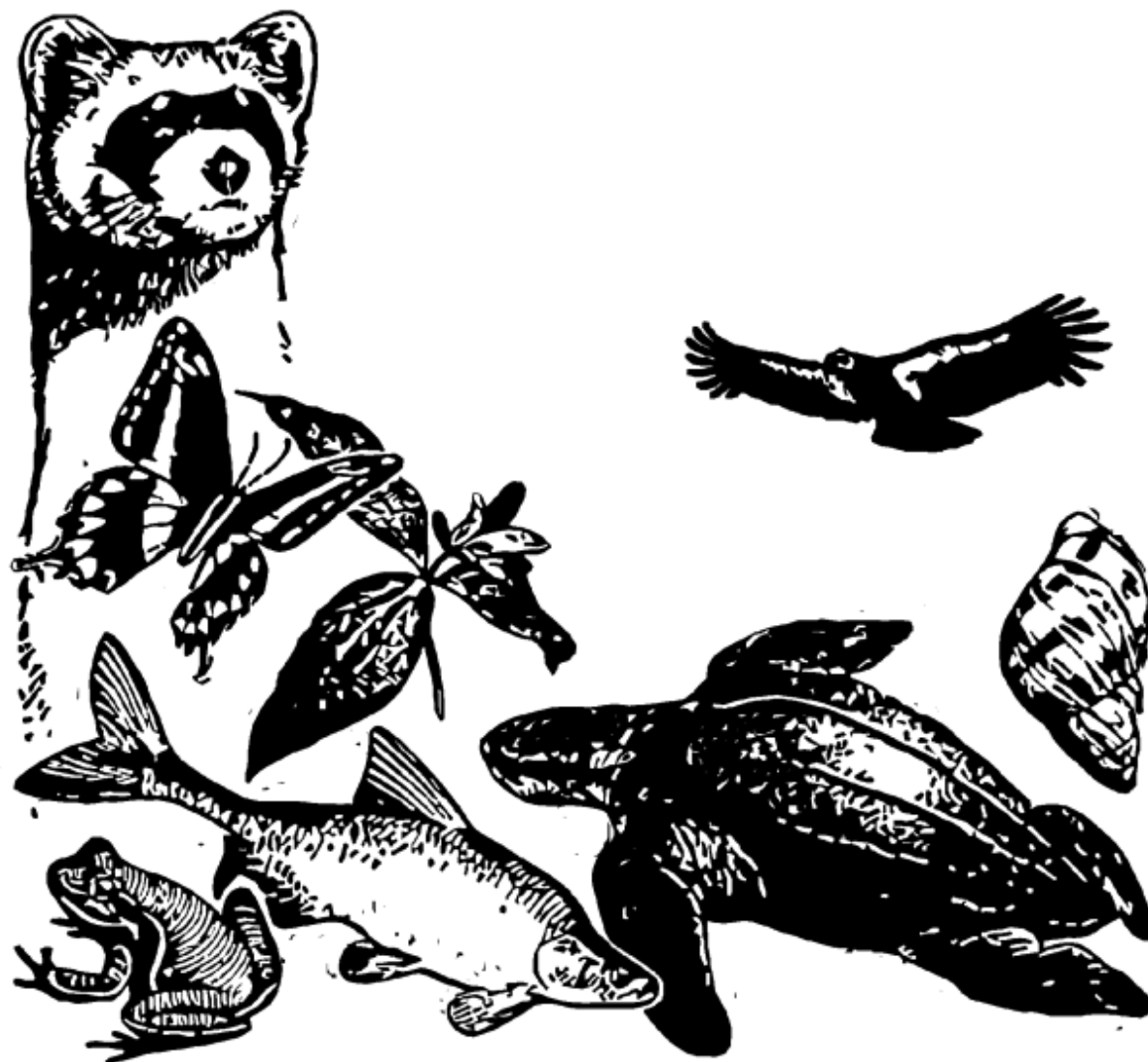


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U.S. Fish & Wildlife Service

IPaC Trust Resources Report



NAME

I-81 Viaduct Project - I-481 South
Study Area

LOCATION

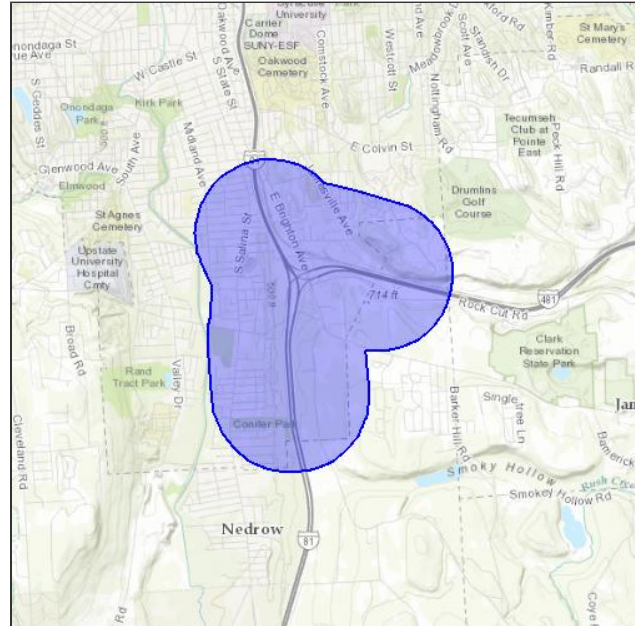
Onondaga County, New York

DESCRIPTION

0.6 mile radius around I-481 South
Study Area

IPAC LINK

[https://ecos.fws.gov/ipac/project/
CIG5U-Y3BER-CYHKM-XSC2K-AZC4ME](https://ecos.fws.gov/ipac/project/CIG5U-Y3BER-CYHKM-XSC2K-AZC4ME)



U.S. Fish & Wildlife Service Contact Information

Trust resources in this location are managed by:

New York Ecological Services Field Office

3817 Luker Road

Cortland, NY 13045-9349

(607) 753-9334

Endangered Species

Proposed, candidate, threatened, and endangered species are managed by the [Endangered Species Program](#) of the U.S. Fish & Wildlife Service.

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The list of species below are those that may occur or could potentially be affected by activities in this location:

Ferns and Allies

American Hart's-tongue Fern *Asplenium scolopendrium* var. *americanum* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=S00Q

Mammals

Indiana Bat *Myotis sodalis* Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=A000

Northern Long-eared Bat *Myotis septentrionalis* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=A0JE

Reptiles

Eastern Massasauga (=rattlesnake) *Sistrurus catenatus*

Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=C03P

Critical Habitats

There are no critical habitats in this location

Migratory Birds

Birds are protected by the [Migratory Bird Treaty Act](#) and the [Bald and Golden Eagle Protection Act](#).

Any activity that results in the take of migratory birds or eagles is prohibited unless authorized by the U.S. Fish & Wildlife Service.^[1] There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

Any person or organization who plans or conducts activities that may result in the take of migratory birds is responsible for complying with the appropriate regulations and implementing appropriate conservation measures.

1. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

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<http://www.birdscanada.org/birdmon/default/datasummaries.jsp>

The following species of migratory birds could potentially be affected by activities in this location:

American Bittern *Botaurus lentiginosus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F3

Bald Eagle *Haliaeetus leucocephalus*

Bird of conservation concern

Season: Year-round

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B008

Black Tern *Chlidonias niger*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B09E

Black-billed Cuckoo *Coccyzus erythrophthalmus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HI

Blue-winged Warbler *Vermivora pinus*

Season: Breeding

Bird of conservation concern

Canada Warbler *Wilsonia canadensis*

Season: Breeding

Bird of conservation concern

Golden-winged Warbler *Vermivora chrysoptera*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0G4

Least Bittern *Ixobrychus exilis*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B092

Olive-sided Flycatcher *Contopus cooperi*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0AN

Peregrine Falcon *Falco peregrinus*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FU

Pied-billed Grebe *Podilymbus podiceps*

Season: Breeding

Bird of conservation concern

Prairie Warbler *Dendroica discolor*

Season: Breeding

Bird of conservation concern

Red-headed Woodpecker *Melanerpes erythrocephalus*

Season: Breeding

Bird of conservation concern

Short-eared Owl *Asio flammeus*

Season: Wintering

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HD

Upland Sandpiper *Bartramia longicauda*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HC

Willow Flycatcher *Empidonax traillii*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F6

Wood Thrush *Hylocichla mustelina*

Season: Breeding

Bird of conservation concern

Wildlife refuges and fish hatcheries

There are no refuges or fish hatcheries in this location

Wetlands in the National Wetlands Inventory

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This location overlaps all or part of the following wetlands:

Freshwater Emergent Wetland

[PEM1A](#)

A full description for each wetland code can be found at the National Wetlands Inventory website: <http://107.20.228.18/decoders/wetlands.aspx>

I-81 Viaduct Project - I-81 Viaduct Study Area

IPaC Trust Resources Report

Generated November 16, 2016 02:09 PM MST, IPaC v3.0.9

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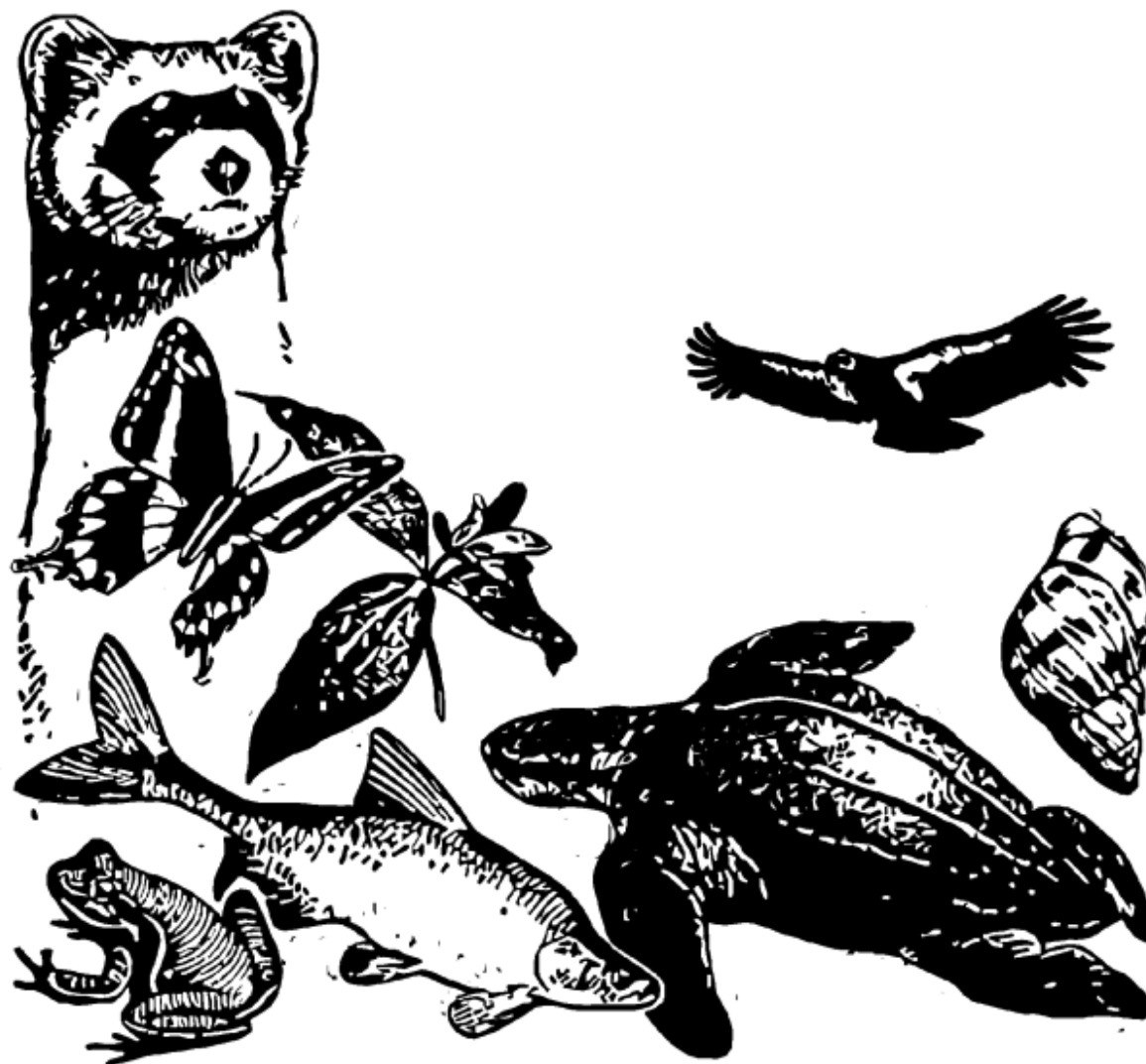


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U.S. Fish & Wildlife Service

IPaC Trust Resources Report



NAME

I-81 Viaduct Project - I-81 Viaduct
Study Area

LOCATION

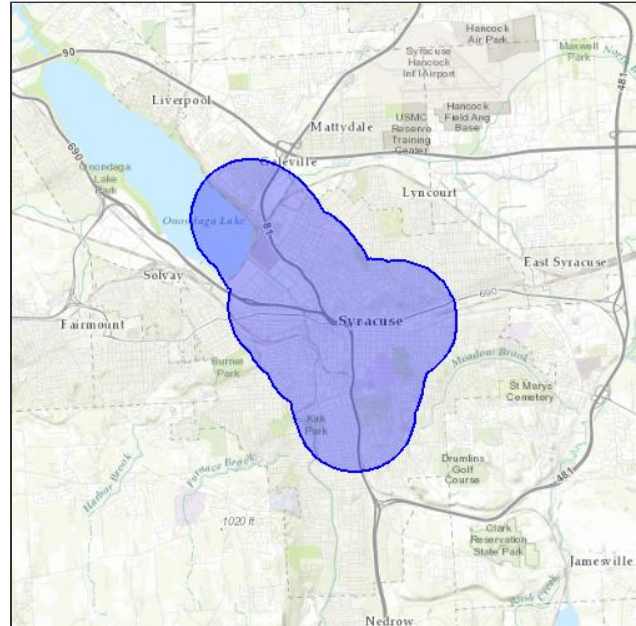
Onondaga County, New York

DESCRIPTION

1 mile radius around I-81 Viaduct
Study Area

IPAC LINK

[https://ecos.fws.gov/ipac/project/
Y7CQO-O4BYN-DUFMI-HVDGF-6A37O4](https://ecos.fws.gov/ipac/project/Y7CQO-O4BYN-DUFMI-HVDGF-6A37O4)



U.S. Fish & Wildlife Service Contact Information

Trust resources in this location are managed by:

New York Ecological Services Field Office

3817 Luker Road

Cortland, NY 13045-9349

(607) 753-9334

Endangered Species

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The list of species below are those that may occur or could potentially be affected by activities in this location:

Mammals

Indiana Bat *Myotis sodalis* Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=A000

Northern Long-eared Bat *Myotis septentrionalis* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=A0JE

Reptiles

Eastern Massasauga (=rattlesnake) *Sistrurus catenatus* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

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Critical Habitats

There are no critical habitats in this location

Migratory Birds

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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>
- Conservation measures for birds
<http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Year-round bird occurrence data
<http://www.birdscanada.org/birdmon/default/datasummaries.jsp>

The following species of migratory birds could potentially be affected by activities in this location:

American Bittern *Botaurus lentiginosus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F3

Bald Eagle *Haliaeetus leucocephalus*

Bird of conservation concern

Season: Year-round

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B008

Black Tern *Chlidonias niger*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B09E

Black-billed Cuckoo *Coccyzus erythrophthalmus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HI

Blue-winged Warbler *Vermivora pinus*

Season: Breeding

Bird of conservation concern

Canada Warbler *Wilsonia canadensis*

Season: Breeding

Bird of conservation concern

Golden-winged Warbler *Vermivora chrysoptera*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0G4

Least Bittern *Ixobrychus exilis*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B092

Olive-sided Flycatcher *Contopus cooperi*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0AN

Peregrine Falcon *Falco peregrinus*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FU

Pied-billed Grebe *Podilymbus podiceps*

Season: Breeding

Bird of conservation concern

Prairie Warbler *Dendroica discolor*

Season: Breeding

Bird of conservation concern

Red-headed Woodpecker *Melanerpes erythrocephalus*

Season: Breeding

Bird of conservation concern

Short-eared Owl *Asio flammeus*

Season: Wintering

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HD

Upland Sandpiper *Bartramia longicauda*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HC

Willow Flycatcher *Empidonax traillii*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F6

Wood Thrush *Hylocichla mustelina*

Season: Breeding

Bird of conservation concern

Wildlife refuges and fish hatcheries

There are no refuges or fish hatcheries in this location

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](#).

DATA LIMITATIONS

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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.

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This location overlaps all or part of the following wetlands:

Freshwater Emergent Wetland

[PEM1/UBFx](#)

[PEM1Cs](#)

Freshwater Forested/shrub Wetland

[PFO1/SS1E](#)

Freshwater Pond

[PUBFx](#)

[PUBHh](#)

[PUBHx](#)

[PUBKHh](#)

Lake

[L1UBH](#)

[L2UBH](#)

[L2USAs](#)

Riverine

[R2UBHx](#)

A full description for each wetland code can be found at the National Wetlands Inventory website: <http://107.20.228.18/decoders/wetlands.aspx>

I-81 Viaduct Project - I-481 East Study Area

IPaC Trust Resources Report

Generated November 16, 2016 02:12 PM MST, IPaC v3.0.9

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Wetlands	<u>7</u>

U.S. Fish & Wildlife Service

IPaC Trust Resources Report



NAME

I-81 Viaduct Project - I-481 East Study Area

LOCATION

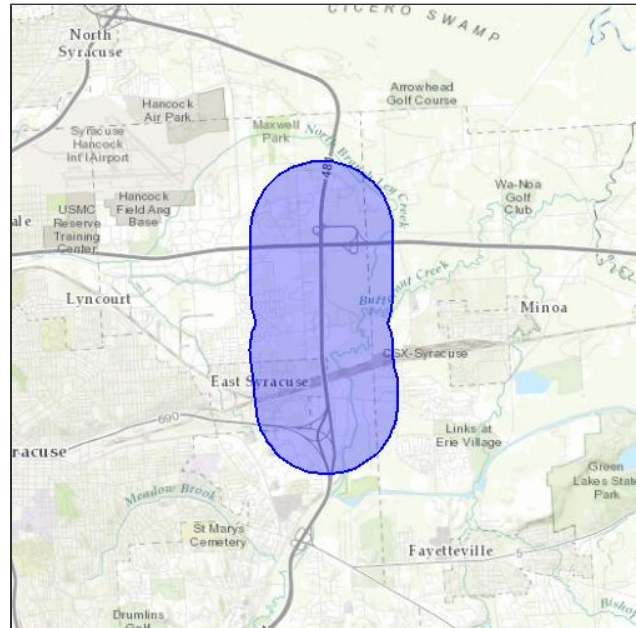
Onondaga County, New York

DESCRIPTION

1 mile radius around I-481 East Study Area

IPAC LINK

<https://ecos.fws.gov/ipac/project/75VY7-6QHVZ-HO7JZ-T4S2I-OXANXU>



U.S. Fish & Wildlife Service Contact Information

Trust resources in this location are managed by:

New York Ecological Services Field Office

3817 Luker Road

Cortland, NY 13045-9349

(607) 753-9334

Endangered Species

Proposed, candidate, threatened, and endangered species are managed by the [Endangered Species Program](#) of the U.S. Fish & Wildlife Service.

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[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 either from the Regulatory Documents section in IPaC or from the local field office directly.

The list of species below are those that may occur or could potentially be affected by activities in this location:

Mammals

Indiana Bat *Myotis sodalis* Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=A000

Northern Long-eared Bat *Myotis septentrionalis* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=A0JE

Reptiles

Eastern Massasauga (=rattlesnake) *Sistrurus catenatus* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=C03P

Critical Habitats

There are no critical habitats in this location

Migratory Birds

Birds are protected by the [Migratory Bird Treaty Act](#) and the [Bald and Golden Eagle Protection Act](#).

Any activity that results in the take of migratory birds or eagles is prohibited unless authorized by the U.S. Fish & Wildlife Service.^[1] There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

Any person or organization who plans or conducts activities that may result in the take of migratory birds is responsible for complying with the appropriate regulations and implementing appropriate conservation measures.

1. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

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- Birds of Conservation Concern
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- Year-round bird occurrence data
<http://www.birdscanada.org/birdmon/default/datasummaries.jsp>

The following species of migratory birds could potentially be affected by activities in this location:

American Bittern *Botaurus lentiginosus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F3

Bald Eagle *Haliaeetus leucocephalus*

Bird of conservation concern

Season: Year-round

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B008

Black Tern *Chlidonias niger*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B09E

Black-billed Cuckoo *Coccyzus erythrophthalmus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HI

Blue-winged Warbler *Vermivora pinus*

Season: Breeding

Bird of conservation concern

Canada Warbler *Wilsonia canadensis*

Season: Breeding

Bird of conservation concern

Golden-winged Warbler *Vermivora chrysoptera*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0G4

Least Bittern *Ixobrychus exilis*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B092

Olive-sided Flycatcher *Contopus cooperi*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0AN

Peregrine Falcon *Falco peregrinus*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FU

Pied-billed Grebe *Podilymbus podiceps*

Season: Breeding

Bird of conservation concern

Prairie Warbler *Dendroica discolor*

Season: Breeding

Bird of conservation concern

Red-headed Woodpecker *Melanerpes erythrocephalus*

Season: Breeding

Bird of conservation concern

Short-eared Owl *Asio flammeus*

Season: Wintering

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HD

Upland Sandpiper *Bartramia longicauda*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HC

Willow Flycatcher *Empidonax traillii*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F6

Wood Thrush *Hylocichla mustelina*

Season: Breeding

Bird of conservation concern

Wildlife refuges and fish hatcheries

There are no refuges or fish hatcheries in this location

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.

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This location overlaps all or part of the following wetlands:

Freshwater Emergent Wetland

[PEM1A](#)

[PEM1C](#)

[PEM1E](#)

[PEM5/UBF](#)

[PEM5A](#)

[PEM5Ad](#)

[PEM5C](#)

[PEM5E](#)

Freshwater Forested/shrub Wetland

[PFO1/SS1A](#)

[PFO1/SS1Ad](#)

[PFO1/SS1E](#)

[PFO1A](#)

[PFO1C](#)

[PFO1E](#)

[PSS1/EM5A](#)

[PSS1/EM5E](#)

[PSS1A](#)

[PSS1Ad](#)

[PSS1C](#)

[PSS1E](#)

Freshwater Pond

[PUBF](#)

[PUBFx](#)

[PUBHh](#)

[PUBHx](#)

A full description for each wetland code can be found at the National Wetlands Inventory website: <http://107.20.228.18/decoders/wetlands.aspx>

I-81 Viaduct Project - I-481 North Study Area

IPaC Trust Resources Report

Generated November 16, 2016 02:14 PM MST, IPaC v3.0.9

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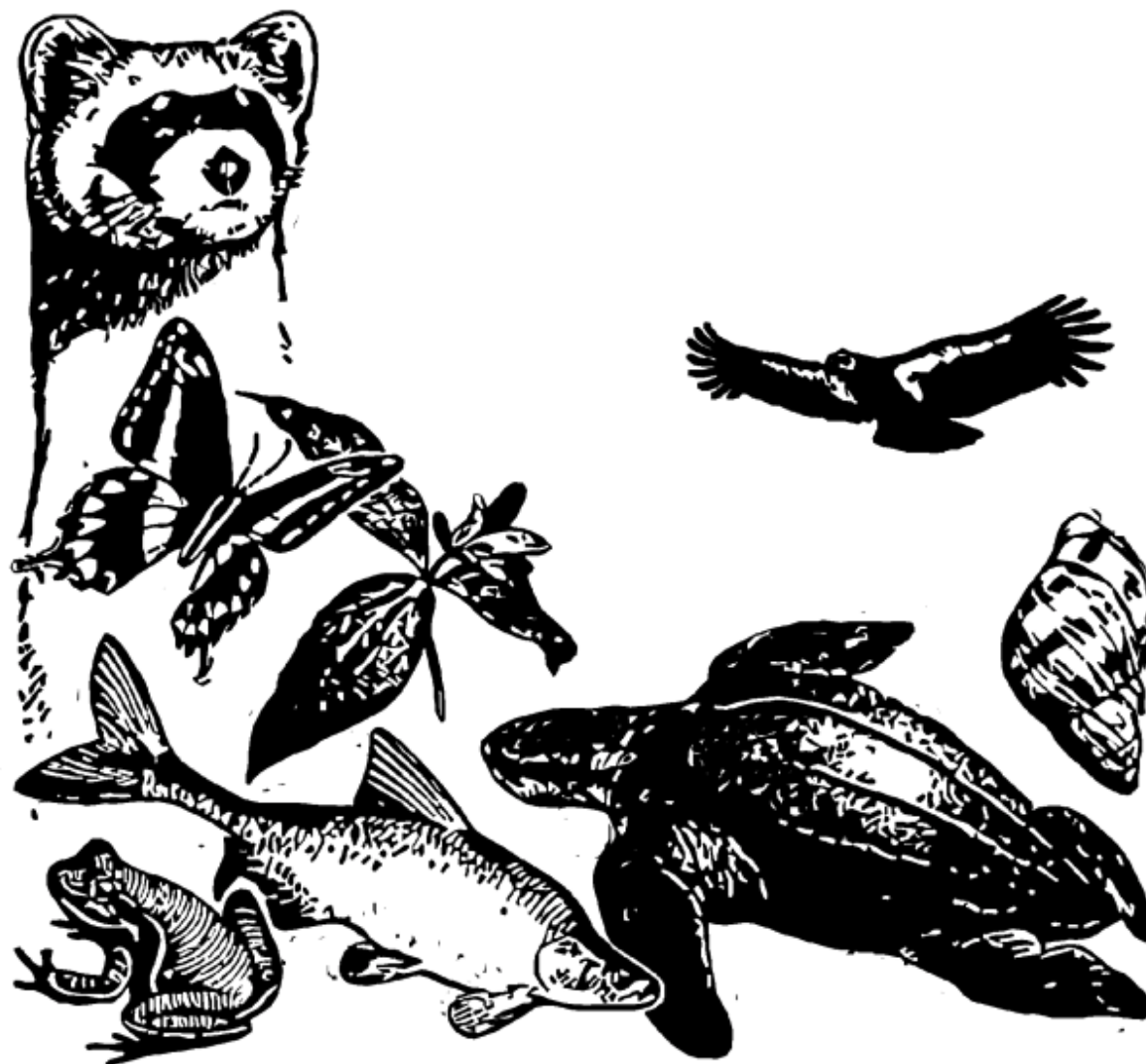


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U.S. Fish & Wildlife Service

IPaC Trust Resources Report



NAME

I-81 Viaduct Project - I-481 North Study Area

LOCATION

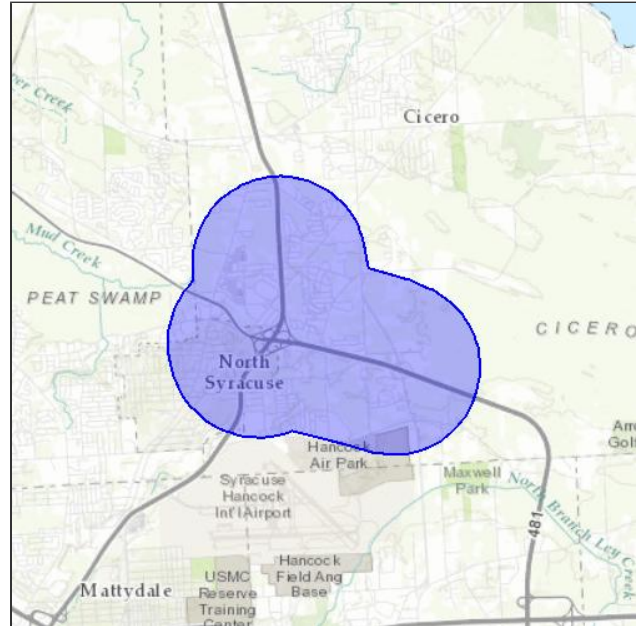
Onondaga County, New York

DESCRIPTION

1 mile radius around I-481 North Study Area

IPAC LINK

<https://ecos.fws.gov/ipac/project/5PDZA-6TUUF-EI5D4-QHJRG-J5TVKY>



U.S. Fish & Wildlife Service Contact Information

Trust resources in this location are managed by:

New York Ecological Services Field Office

3817 Luker Road

Cortland, NY 13045-9349

(607) 753-9334

Endangered Species

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The list of species below are those that may occur or could potentially be affected by activities in this location:

Mammals

Indiana Bat *Myotis sodalis* Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=A000

Northern Long-eared Bat *Myotis septentrionalis* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=A0JE

Reptiles

Eastern Massasauga (=rattlesnake) *Sistrurus catenatus* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

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Critical Habitats

There are no critical habitats in this location

Migratory Birds

Birds are protected by the [Migratory Bird Treaty Act](#) and the [Bald and Golden Eagle Protection Act](#).

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Season: Year-round

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Black Tern *Chlidonias niger*

Bird of conservation concern

Season: Breeding

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Season: Breeding

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Bird of conservation concern

Canada Warbler *Wilsonia canadensis*

Season: Breeding

Bird of conservation concern

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Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0G4

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http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B092

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Bird of conservation concern

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Season: Breeding

Bird of conservation concern

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Bird of conservation concern

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Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HC

Willow Flycatcher *Empidonax traillii*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F6

Wood Thrush *Hylocichla mustelina*

Season: Breeding

Bird of conservation concern

Wildlife refuges and fish hatcheries

Refuge and fish hatchery data is unavailable at this time.

Wetlands in the National Wetlands Inventory

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This location overlaps all or part of the following wetlands:

Freshwater Emergent Wetland

[PEM1E](#)

[PEM5/1E](#)

[PEM5/UBFx](#)

[PEM5/UBHh](#)

[PEM5C](#)

[PEM5Cd](#)

[PEM5E](#)

[PEM5F](#)

Freshwater Forested/shrub Wetland

[PFO1/4E](#)

[PFO1/SS1A](#)

[PFO1/SS1E](#)

[PFO1A](#)

[PFO1Ad](#)

[PFO1C](#)

[PFO1Cd](#)

[PFO1E](#)

[PSS1/EM1C](#)

[PSS1/EM1E](#)

[PSS1/EM5Ad](#)

[PSS1/EM5E](#)

[PSS1C](#)

[PSS1E](#)

Freshwater Pond

[PUBF](#)

[PUBFh](#)

[PUBFx](#)

[PUBH](#)

[PUBHh](#)

[PUBHx](#)

A full description for each wetland code can be found at the National Wetlands Inventory website: <http://107.20.228.18/decoders/wetlands.aspx>

I-81 Viaduct Project - I-481 South Study Area

IPaC Trust Resources Report

Generated November 16, 2016 02:11 PM MST, IPaC v3.0.9

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U.S. Fish & Wildlife Service

IPaC Trust Resources Report



NAME

I-81 Viaduct Project - I-481 South
Study Area

LOCATION

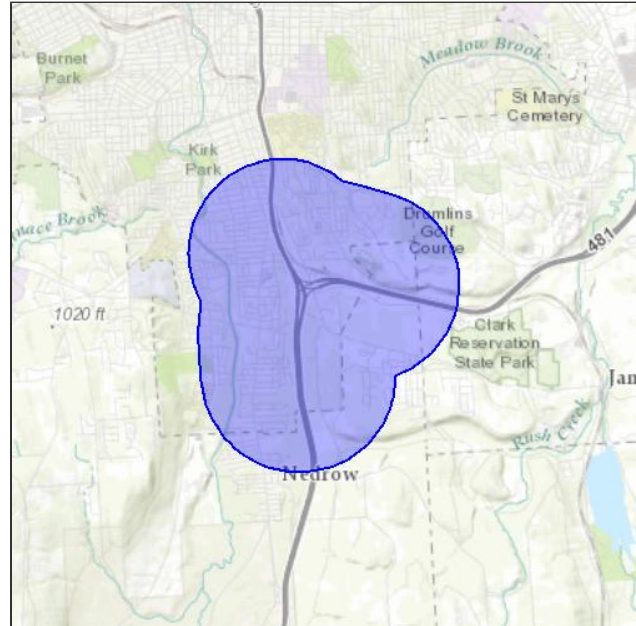
Onondaga County, New York

DESCRIPTION

1 mile radius around I-481 South
Area

IPAC LINK

[https://ecos.fws.gov/ipac/project/
MYDKX-6KX6F-HRPAC-SWOM6-QQJDQA](https://ecos.fws.gov/ipac/project/MYDKX-6KX6F-HRPAC-SWOM6-QQJDQA)



U.S. Fish & Wildlife Service Contact Information

Trust resources in this location are managed by:

New York Ecological Services Field Office

3817 Luker Road

Cortland, NY 13045-9349

(607) 753-9334

Endangered Species

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[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 either from the Regulatory Documents section in IPaC or from the local field office directly.

The list of species below are those that may occur or could potentially be affected by activities in this location:

Ferns and Allies

American Hart's-tongue Fern *Asplenium scolopendrium* var. *americanum* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=S00Q

Mammals

Indiana Bat *Myotis sodalis* Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=A000

Northern Long-eared Bat *Myotis septentrionalis* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=A0JE

Reptiles

Eastern Massasauga (=rattlesnake) *Sistrurus catenatus*

Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=C03P

Critical Habitats

There are no critical habitats in this location

Migratory Birds

Birds are protected by the [Migratory Bird Treaty Act](#) and the [Bald and Golden Eagle Protection Act](#).

Any activity that results in the take of migratory birds or eagles is prohibited unless authorized by the U.S. Fish & Wildlife Service.^[1] There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

Any person or organization who plans or conducts activities that may result in the take of migratory birds is responsible for complying with the appropriate regulations and implementing appropriate conservation measures.

1. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

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>
- Conservation measures for birds
<http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Year-round bird occurrence data
<http://www.birdscanada.org/birdmon/default/datasummaries.jsp>

The following species of migratory birds could potentially be affected by activities in this location:

American Bittern *Botaurus lentiginosus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F3

Bald Eagle *Haliaeetus leucocephalus*

Bird of conservation concern

Season: Year-round

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B008

Black Tern *Chlidonias niger*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B09E

Black-billed Cuckoo *Coccyzus erythrophthalmus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HI

Blue-winged Warbler *Vermivora pinus*

Season: Breeding

Bird of conservation concern

Canada Warbler *Wilsonia canadensis*

Season: Breeding

Bird of conservation concern

Golden-winged Warbler *Vermivora chrysoptera*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0G4

Least Bittern *Ixobrychus exilis*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B092

Olive-sided Flycatcher *Contopus cooperi*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0AN

Peregrine Falcon *Falco peregrinus*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FU

Pied-billed Grebe *Podilymbus podiceps*

Season: Breeding

Bird of conservation concern

Prairie Warbler *Dendroica discolor*

Season: Breeding

Bird of conservation concern

Red-headed Woodpecker *Melanerpes erythrocephalus*

Season: Breeding

Bird of conservation concern

Short-eared Owl *Asio flammeus*

Season: Wintering

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HD

Upland Sandpiper *Bartramia longicauda*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HC

Willow Flycatcher *Empidonax traillii*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F6

Wood Thrush *Hylocichla mustelina*

Season: Breeding

Bird of conservation concern

Wildlife refuges and fish hatcheries

There are no refuges or fish hatcheries in this location

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](#).

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.

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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.

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This location overlaps all or part of the following wetlands:

Freshwater Emergent Wetland

[PEM1A](#)

Freshwater Forested/shrub Wetland

[PFO1/SS1A](#)

[PFO1A](#)

[PFO1C](#)

[PSS1/EM1E](#)

[PSS1E](#)

Freshwater Pond

[PUBHh](#)

[PUBHx](#)

A full description for each wetland code can be found at the National Wetlands Inventory website: <http://107.20.228.18/decoders/wetlands.aspx>

I-81 Viaduct Project - I-81 Viaduct Study Area

IPaC Trust Resources Report

Generated November 16, 2016 01:28 PM MST, IPaC v3.0.9

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Project Description	<u>1</u>
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Wetlands	<u>7</u>

U.S. Fish & Wildlife Service

IPaC Trust Resources Report



NAME

I-81 Viaduct Project - I-81 Viaduct
Study Area

LOCATION

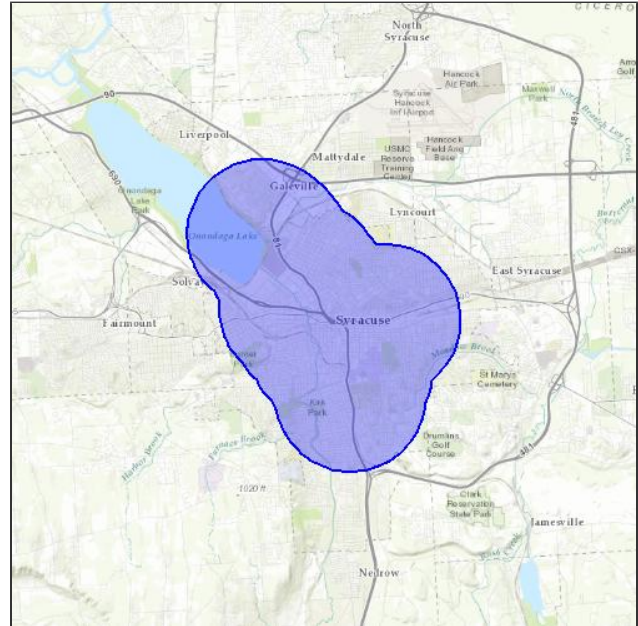
Onondaga County, New York

DESCRIPTION

1.5 mile radius around I-81 Viaduct
Study Area

IPAC LINK

[https://ecos.fws.gov/ipac/project/
D4WGC-7GPYJ-DOHBX-BRL6L-H6SBJE](https://ecos.fws.gov/ipac/project/D4WGC-7GPYJ-DOHBX-BRL6L-H6SBJE)



U.S. Fish & Wildlife Service Contact Information

Trust resources in this location are managed by:

New York Ecological Services Field Office

3817 Luker Road

Cortland, NY 13045-9349

(607) 753-9334

Endangered Species

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Ferns and Allies

American Hart's-tongue Fern *Asplenium scolopendrium* var. *americanum* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=S000

Mammals

Indiana Bat *Myotis sodalis* Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=A000

Northern Long-eared Bat *Myotis septentrionalis* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=A0JE

Reptiles

Eastern Massasauga (=rattlesnake) *Sistrurus catenatus*

Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=C03P

Critical Habitats

There are no critical habitats in this location

Migratory Birds

Birds are protected by the [Migratory Bird Treaty Act](#) and the [Bald and Golden Eagle Protection Act](#).

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<http://www.birdscanada.org/birdmon/default/datasummaries.jsp>

The following species of migratory birds could potentially be affected by activities in this location:

American Bittern *Botaurus lentiginosus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F3

Bald Eagle *Haliaeetus leucocephalus*

Bird of conservation concern

Season: Year-round

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B008

Black Tern *Chlidonias niger*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B09E

Black-billed Cuckoo *Coccyzus erythrophthalmus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HI

Blue-winged Warbler *Vermivora pinus*

Season: Breeding

Bird of conservation concern

Canada Warbler *Wilsonia canadensis*

Season: Breeding

Bird of conservation concern

Golden-winged Warbler *Vermivora chrysoptera*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0G4

Least Bittern *Ixobrychus exilis*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B092

Olive-sided Flycatcher *Contopus cooperi*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0AN

Peregrine Falcon *Falco peregrinus*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FU

Pied-billed Grebe *Podilymbus podiceps*

Season: Breeding

Bird of conservation concern

Prairie Warbler *Dendroica discolor*

Season: Breeding

Bird of conservation concern

Red-headed Woodpecker *Melanerpes erythrocephalus*

Season: Breeding

Bird of conservation concern

Short-eared Owl *Asio flammeus*

Season: Wintering

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HD

Upland Sandpiper *Bartramia longicauda*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HC

Willow Flycatcher *Empidonax traillii*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F6

Wood Thrush *Hylocichla mustelina*

Season: Breeding

Bird of conservation concern

Wildlife refuges and fish hatcheries

There are no refuges or fish hatcheries in this location

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](#).

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This location overlaps all or part of the following wetlands:

Freshwater Emergent Wetland

[PEM1/UBFx](#)

[PEM1Cs](#)

[PEM5Eh](#)

Freshwater Forested/shrub Wetland

[PFO1/SS1E](#)

[PFO1C](#)

[PFO1E](#)

[PFO1J](#)

[PSS1/EM5E](#)

[PSS1E](#)

Freshwater Pond

[PUBFx](#)

[PUBHh](#)

[PUBHx](#)

[PUBKFhs](#)

[PUBKHh](#)

Lake

[L1UBH](#)

[L2UBH](#)

[L2USAs](#)

Riverine

[R2UBHx](#)

A full description for each wetland code can be found at the National Wetlands Inventory website: <http://107.20.228.18/decoders/wetlands.aspx>

I-81 Viaduct Project - I-481 East Study Area

IPaC Trust Resources Report

Generated November 16, 2016 01:32 PM MST, IPaC v3.0.9

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Wetlands	<u>7</u>

U.S. Fish & Wildlife Service

IPaC Trust Resources Report



NAME

I-81 Viaduct Project - I-481 East Study Area

LOCATION

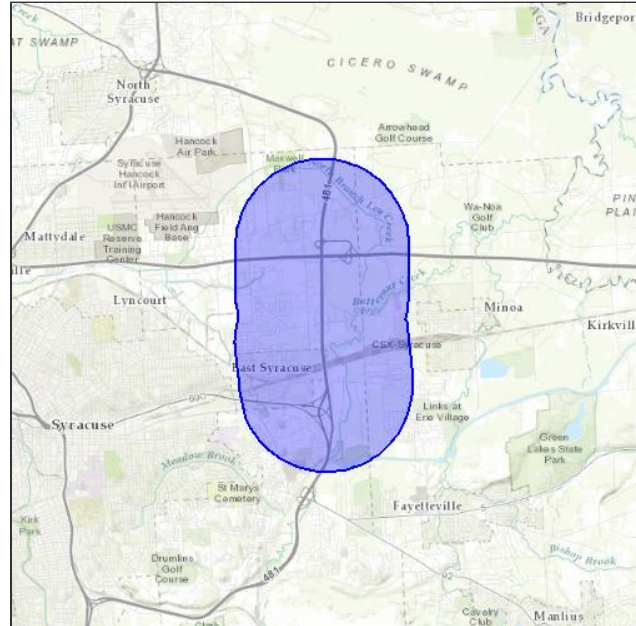
Onondaga County, New York

DESCRIPTION

1.5 Mile Radius around I-481 East Study Area

IPAC LINK

<https://ecos.fws.gov/ipac/project/6HJV-6US2V-G7VGU-KITFA-MGSXIQ>



U.S. Fish & Wildlife Service Contact Information

Trust resources in this location are managed by:

New York Ecological Services Field Office

3817 Luker Road

Cortland, NY 13045-9349

(607) 753-9334

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The list of species below are those that may occur or could potentially be affected by activities in this location:

Mammals

Indiana Bat *Myotis sodalis* Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=A000

Northern Long-eared Bat *Myotis septentrionalis* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=A0JE

Reptiles

Eastern Massasauga (=rattlesnake) *Sistrurus catenatus* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=C03P

Critical Habitats

There are no critical habitats in this location

Migratory Birds

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The following species of migratory birds could potentially be affected by activities in this location:

American Bittern *Botaurus lentiginosus*

Bird of conservation concern

Season: Breeding

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Bald Eagle *Haliaeetus leucocephalus*

Bird of conservation concern

Season: Year-round

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Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B09E

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Season: Breeding

Bird of conservation concern

Canada Warbler *Wilsonia canadensis*

Season: Breeding

Bird of conservation concern

Golden-winged Warbler *Vermivora chrysoptera*

Season: Breeding

Bird of conservation concern

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Season: Wintering

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Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HC

Willow Flycatcher *Empidonax traillii*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F6

Wood Thrush *Hylocichla mustelina*

Season: Breeding

Bird of conservation concern

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There are no refuges or fish hatcheries in this location

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This location overlaps all or part of the following wetlands:

Freshwater Emergent Wetland

[PEM1A](#)

[PEM1C](#)

[PEM1E](#)

[PEM5/UBF](#)

[PEM5A](#)

[PEM5Ad](#)

[PEM5C](#)

[PEM5E](#)

Freshwater Forested/shrub Wetland

[PFO1/EM5E](#)

[PFO1/SS1A](#)

[PFO1/SS1Ad](#)

[PFO1/SS1E](#)

[PFO1A](#)

[PFO1C](#)

[PFO1E](#)

[PSS1/EM5A](#)

[PSS1/EM5C](#)

[PSS1/EM5E](#)

[PSS1A](#)

[PSS1Ad](#)

[PSS1C](#)

[PSS1E](#)

Freshwater Pond

[PUBF](#)

[PUBFx](#)

[PUBHh](#)

[PUBHx](#)

Lake

[L1UBHx](#)

A full description for each wetland code can be found at the National Wetlands Inventory website: <http://107.20.228.18/decoders/wetlands.aspx>

I-81 Viaduct Project - I-481 South Study Area

IPaC Trust Resources Report

Generated November 16, 2016 01:34 PM MST, IPaC v3.0.9

This report is for informational purposes only and should not be used for planning or analyzing project level impacts. For project reviews that require U.S. Fish & Wildlife Service review or concurrence, please return to the IPaC website and request an official species list from the Regulatory Documents page.

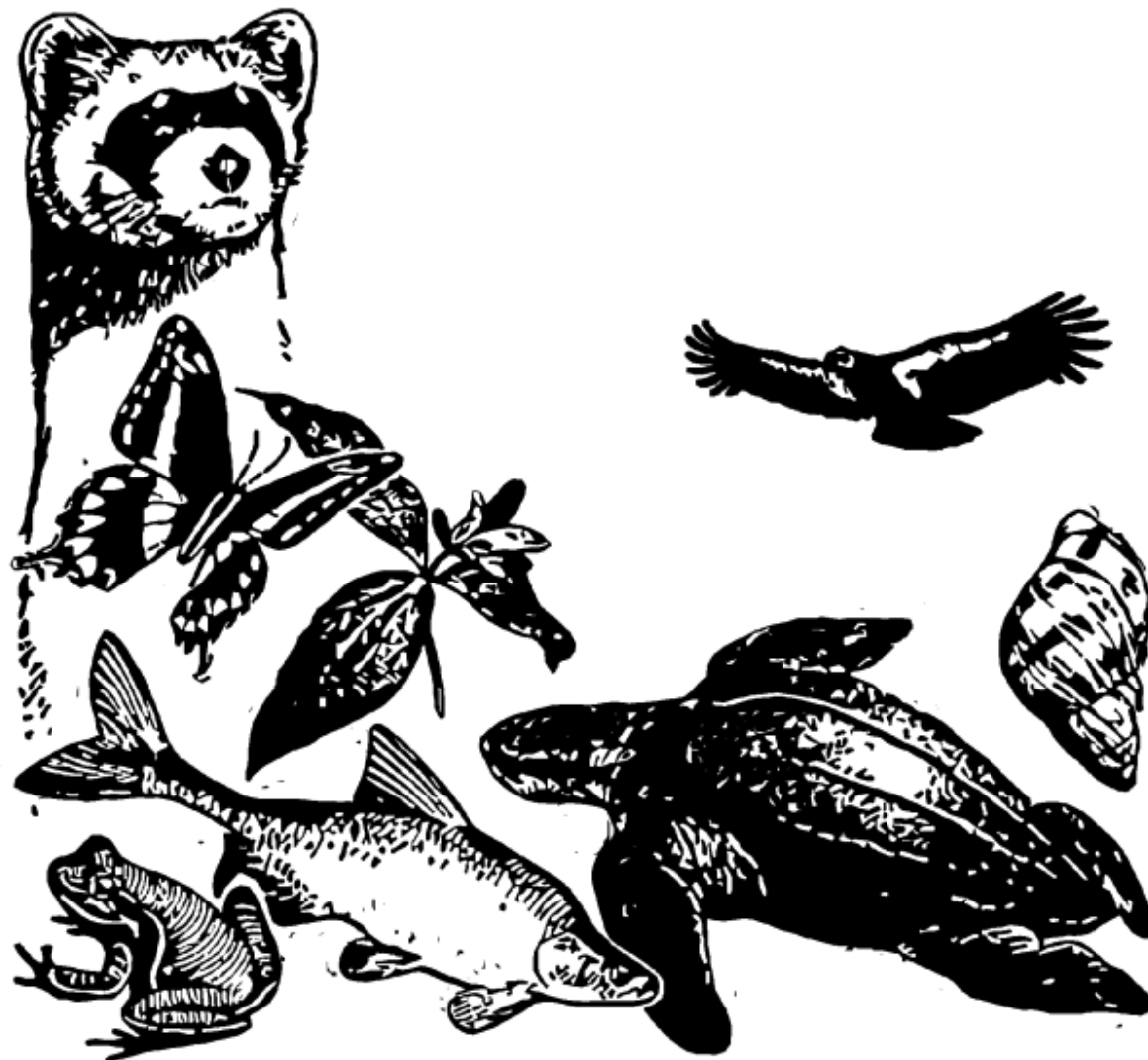


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U.S. Fish & Wildlife Service

IPaC Trust Resources Report



NAME

I-81 Viaduct Project - I-481 South
Study Area

LOCATION

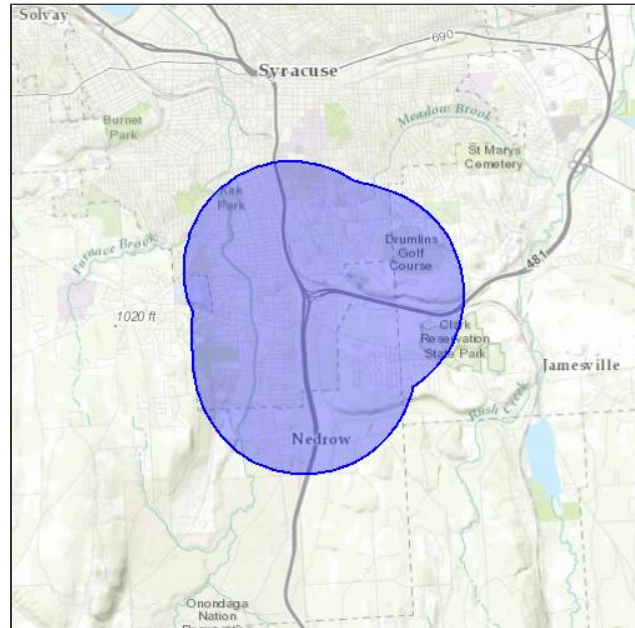
Onondaga County, New York

DESCRIPTION

1.5 mile radius around I-481 South
Study Area

IPAC LINK

[https://ecos.fws.gov/ipac/project/
ANO2Y-KK47J-GW5DF-QP6EB-Z5UVVQ](https://ecos.fws.gov/ipac/project/ANO2Y-KK47J-GW5DF-QP6EB-Z5UVVQ)



U.S. Fish & Wildlife Service Contact Information

Trust resources in this location are managed by:

New York Ecological Services Field Office

3817 Luker Road

Cortland, NY 13045-9349

(607) 753-9334

Endangered Species

Proposed, candidate, threatened, and endangered species are managed by the [Endangered Species Program](#) of the U.S. Fish & Wildlife Service.

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[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 either from the Regulatory Documents section in IPaC or from the local field office directly.

The list of species below are those that may occur or could potentially be affected by activities in this location:

Ferns and Allies

American Hart's-tongue Fern *Asplenium scolopendrium* var. *americanum* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=S00Q

Mammals

Indiana Bat *Myotis sodalis* Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=A000

Northern Long-eared Bat *Myotis septentrionalis* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=A0JE

Reptiles

Eastern Massasauga (=rattlesnake) *Sistrurus catenatus*

Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=C03P

Critical Habitats

There are no critical habitats in this location

Migratory Birds

Birds are protected by the [Migratory Bird Treaty Act](#) and the [Bald and Golden Eagle Protection Act](#).

Any activity that results in the take of migratory birds or eagles is prohibited unless authorized by the U.S. Fish & Wildlife Service.^[1] There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

Any person or organization who plans or conducts activities that may result in the take of migratory birds is responsible for complying with the appropriate regulations and implementing appropriate conservation measures.

1. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

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>
- Conservation measures for birds
<http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Year-round bird occurrence data
<http://www.birdscanada.org/birdmon/default/datasummaries.jsp>

The following species of migratory birds could potentially be affected by activities in this location:

American Bittern *Botaurus lentiginosus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B0F3

Bald Eagle *Haliaeetus leucocephalus*

Bird of conservation concern

Season: Year-round

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B008

Black Tern *Chlidonias niger*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B09F

Black-billed Cuckoo *Coccyzus erythrophthalmus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B0H1

Blue-winged Warbler *Vermivora pinus*

Season: Breeding

Bird of conservation concern

Canada Warbler *Wilsonia canadensis*

Season: Breeding

Bird of conservation concern

Golden-winged Warbler *Vermivora chrysoptera*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0G4

Least Bittern *Ixobrychus exilis*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B092

Olive-sided Flycatcher *Contopus cooperi*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0AN

Peregrine Falcon *Falco peregrinus*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FU

Pied-billed Grebe *Podilymbus podiceps*

Season: Breeding

Bird of conservation concern

Prairie Warbler *Dendroica discolor*

Season: Breeding

Bird of conservation concern

Red-headed Woodpecker *Melanerpes erythrocephalus*

Season: Breeding

Bird of conservation concern

Short-eared Owl *Asio flammeus*

Season: Wintering

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HD

Upland Sandpiper *Bartramia longicauda*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HC

Willow Flycatcher *Empidonax traillii*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F6

Wood Thrush *Hylocichla mustelina*

Season: Breeding

Bird of conservation concern

Wildlife refuges and fish hatcheries

There are no refuges or fish hatcheries in this location

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](#).

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.

This location overlaps all or part of the following wetlands:

Freshwater Emergent Wetland

[PEM1A](#)

[PEM1E](#)

[PEM5Eh](#)

Freshwater Forested/shrub Wetland

[PFO1/SS1A](#)

[PFO1A](#)

[PFO1Ah](#)

[PFO1C](#)

[PFO1E](#)

[PFO1J](#)

[PSS1/EM1E](#)

[PSS1E](#)

[PSS4A](#)

Freshwater Pond

[PUBHh](#)

[PUBHx](#)

Lake

[L1UBHh](#)

A full description for each wetland code can be found at the National Wetlands Inventory website: <http://107.20.228.18/decoders/wetlands.aspx>

I-81 Viaduct Project - North Study Area

IPaC Trust Resources Report

Generated November 16, 2016 01:31 PM MST, IPaC v3.0.9

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U.S. Fish & Wildlife Service

IPaC Trust Resources Report



NAME

I-81 Viaduct Project - North Study Area

LOCATION

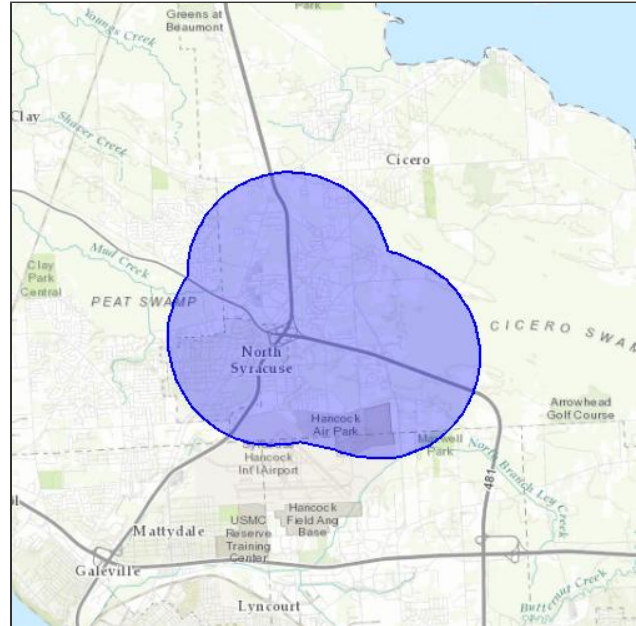
Onondaga County, New York

DESCRIPTION

1.5 mile radius around North Study Area

IPAC LINK

<https://ecos.fws.gov/ipac/project/EN6EF-AM5MF-FITCZ-UYJSP-H6VJ2A>



U.S. Fish & Wildlife Service Contact Information

Trust resources in this location are managed by:

New York Ecological Services Field Office

3817 Luker Road

Cortland, NY 13045-9349

(607) 753-9334

Endangered Species

Proposed, candidate, threatened, and endangered species are managed by the [Endangered Species Program](#) of the U.S. Fish & Wildlife Service.

This USFWS trust resource report is for informational purposes only and should not be used for planning or analyzing project level impacts.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list from the Regulatory Documents section.

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A letter from the local office and a species list which fulfills this requirement can only be obtained by requesting an official species list either from the Regulatory Documents section in IPaC or from the local field office directly.

The list of species below are those that may occur or could potentially be affected by activities in this location:

Mammals

Indiana Bat *Myotis sodalis* Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=A000

Northern Long-eared Bat *Myotis septentrionalis* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=A0JE

Reptiles

Eastern Massasauga (=rattlesnake) *Sistrurus catenatus* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=C03P

Critical Habitats

There are no critical habitats in this location

Migratory Birds

Birds are protected by the [Migratory Bird Treaty Act](#) and the [Bald and Golden Eagle Protection Act](#).

Any activity that results in the take of migratory birds or eagles is prohibited unless authorized by the U.S. Fish & Wildlife Service.^[1] There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

Any person or organization who plans or conducts activities that may result in the take of migratory birds is responsible for complying with the appropriate regulations and implementing appropriate conservation measures.

1. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

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>
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- Year-round bird occurrence data
<http://www.birdscanada.org/birdmon/default/datasummaries.jsp>

The following species of migratory birds could potentially be affected by activities in this location:

American Bittern *Botaurus lentiginosus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F3

Bald Eagle *Haliaeetus leucocephalus*

Bird of conservation concern

Season: Year-round

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B008

Black Tern *Chlidonias niger*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B09E

Black-billed Cuckoo *Coccyzus erythrophthalmus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HI

Blue-winged Warbler *Vermivora pinus*

Season: Breeding

Bird of conservation concern

Canada Warbler *Wilsonia canadensis*

Season: Breeding

Bird of conservation concern

Golden-winged Warbler *Vermivora chrysoptera*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0G4

Least Bittern *Ixobrychus exilis*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B092

Olive-sided Flycatcher *Contopus cooperi*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0AN

Peregrine Falcon *Falco peregrinus*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FU

Pied-billed Grebe *Podilymbus podiceps*

Season: Breeding

Bird of conservation concern

Prairie Warbler *Dendroica discolor*

Season: Breeding

Bird of conservation concern

Red-headed Woodpecker *Melanerpes erythrocephalus*

Season: Breeding

Bird of conservation concern

Short-eared Owl *Asio flammeus*

Season: Wintering

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HD

Upland Sandpiper *Bartramia longicauda*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HC

Willow Flycatcher *Empidonax traillii*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F6

Wood Thrush *Hylocichla mustelina*

Season: Breeding

Bird of conservation concern

Wildlife refuges and fish hatcheries

There are no refuges or fish hatcheries in this location

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](#).

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This location overlaps all or part of the following wetlands:

Freshwater Emergent Wetland

[PEM1E](#)

[PEM5/1E](#)

[PEM5/UBF](#)

[PEM5/UBFh](#)

[PEM5/UBFx](#)

[PEM5/UBHh](#)

[PEM5A](#)

[PEM5Ad](#)

[PEM5C](#)

[PEM5Cd](#)

[PEM5E](#)

[PEM5F](#)

Freshwater Forested/shrub Wetland

[PFO1/4E](#)

[PFO1/EM5E](#)

[PFO1/SS1A](#)

[PFO1/SS1Ad](#)

[PFO1/SS1C](#)

[PFO1/SS1E](#)

[PFO1A](#)

[PFO1Ad](#)

[PFO1C](#)

[PFO1Cd](#)

[PFO1E](#)

[PFO4/SS1Ba](#)

[PFO5/UBHh](#)

[PSS1/EM1C](#)

[PSS1/EM1E](#)

[PSS1/EM5Ad](#)

[PSS1/EM5C](#)

[PSS1/EM5E](#)

[PSS1A](#)

[PSS1C](#)

[PSS1E](#)

Freshwater Pond

[PUBF](#)

[PUBFh](#)

[PUBFx](#)

[PUBH](#)

[PUBHh](#)

[PUBHx](#)

Riverine

R2UBH

A full description for each wetland code can be found at the National Wetlands Inventory website: <http://107.20.228.18/decoders/wetlands.aspx>

I-81 Viaduct Project - I-81 Viaduct Study Area

IPaC Trust Resources Report

Generated November 16, 2016 02:39 PM MST, IPaC v3.0.9

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Wetlands	<u>7</u>

U.S. Fish & Wildlife Service

IPaC Trust Resources Report



NAME

I-81 Viaduct Project - I-81 Viaduct
Study Area

LOCATION

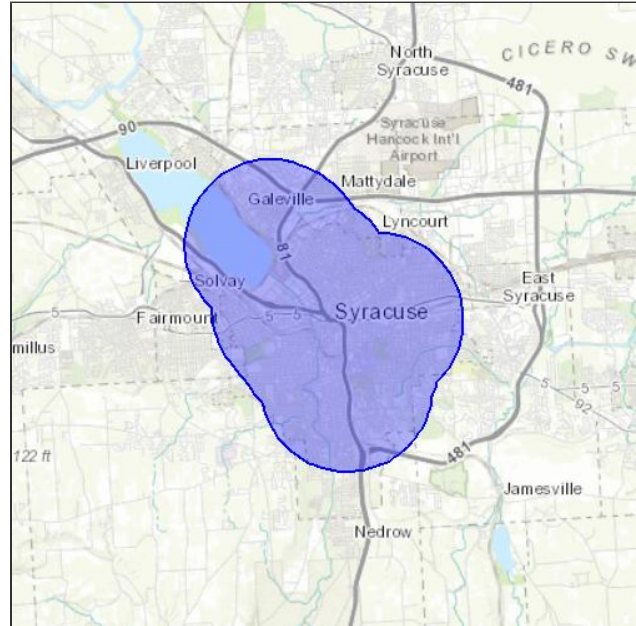
Onondaga County, New York

DESCRIPTION

2 mile radius around I-81 Viaduct
Study Area

IPAC LINK

[https://ecos.fws.gov/ipac/project/
5JNTN-JYNWV-C2PPJ-FTOYZ-ZUJBT4](https://ecos.fws.gov/ipac/project/5JNTN-JYNWV-C2PPJ-FTOYZ-ZUJBT4)



U.S. Fish & Wildlife Service Contact Information

Trust resources in this location are managed by:

New York Ecological Services Field Office

3817 Luker Road

Cortland, NY 13045-9349

(607) 753-9334

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Ferns and Allies

American Hart's-tongue Fern *Asplenium scolopendrium* var. *americanum* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=S00Q

Mammals

Indiana Bat *Myotis sodalis* Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=A000

Northern Long-eared Bat *Myotis septentrionalis* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=A0JE

Reptiles

Eastern Massasauga (=rattlesnake) *Sistrurus catenatus*

Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=C03P

Critical Habitats

There are no critical habitats in this location

Migratory Birds

Birds are protected by the [Migratory Bird Treaty Act](#) and the [Bald and Golden Eagle Protection Act](#).

Any activity that results in the take of migratory birds or eagles is prohibited unless authorized by the U.S. Fish & Wildlife Service.^[1] There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

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1. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

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>
- Conservation measures for birds
<http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Year-round bird occurrence data
<http://www.birdscanada.org/birdmon/default/datasummaries.jsp>

The following species of migratory birds could potentially be affected by activities in this location:

American Bittern *Botaurus lentiginosus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F3

Bald Eagle *Haliaeetus leucocephalus*

Bird of conservation concern

Season: Year-round

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B008

Black Tern *Chlidonias niger*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B09F

Black-billed Cuckoo *Coccyzus erythrophthalmus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HI

Blue-winged Warbler *Vermivora pinus*

Season: Breeding

Bird of conservation concern

Canada Warbler *Wilsonia canadensis*

Season: Breeding

Bird of conservation concern

Golden-winged Warbler *Vermivora chrysoptera*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0G4

Least Bittern *Ixobrychus exilis*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B092

Olive-sided Flycatcher *Contopus cooperi*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0AN

Peregrine Falcon *Falco peregrinus*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FU

Pied-billed Grebe *Podilymbus podiceps*

Season: Breeding

Bird of conservation concern

Prairie Warbler *Dendroica discolor*

Season: Breeding

Bird of conservation concern

Red-headed Woodpecker *Melanerpes erythrocephalus*

Season: Breeding

Bird of conservation concern

Short-eared Owl *Asio flammeus*

Season: Wintering

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HD

Upland Sandpiper *Bartramia longicauda*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HC

Willow Flycatcher *Empidonax traillii*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F6

Wood Thrush *Hylocichla mustelina*

Season: Breeding

Bird of conservation concern

Wildlife refuges and fish hatcheries

There are no refuges or fish hatcheries in this location

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](#).

DATA LIMITATIONS

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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.

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This location overlaps all or part of the following wetlands:

Freshwater Emergent Wetland

[PEM1/UBFx](#)

[PEM1A](#)

[PEM1Cs](#)

[PEM1E](#)

[PEM5Eh](#)

Freshwater Forested/shrub Wetland

[PFO1/SS1E](#)

[PFO1C](#)

[PFO1E](#)

[PFO1J](#)

[PFO5/1E](#)

[PSS1/EM5E](#)

[PSS1E](#)

Freshwater Pond

[PUBFx](#)

[PUBHh](#)

[PUBHx](#)

[PUBKFhs](#)

[PUBKHh](#)

[PUBKHhs](#)

Lake

[L1UBH](#)

[L2UBH](#)

[L2USAs](#)

Riverine

[R2UBHx](#)

A full description for each wetland code can be found at the National Wetlands Inventory website: <http://107.20.228.18/decoders/wetlands.aspx>

I-81 Viaduct Project - I-481 East Study Area

IPaC Trust Resources Report

Generated November 16, 2016 02:42 PM MST, IPaC v3.0.9

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U.S. Fish & Wildlife Service

IPaC Trust Resources Report



NAME

I-81 Viaduct Project - I-481 East Study Area

LOCATION

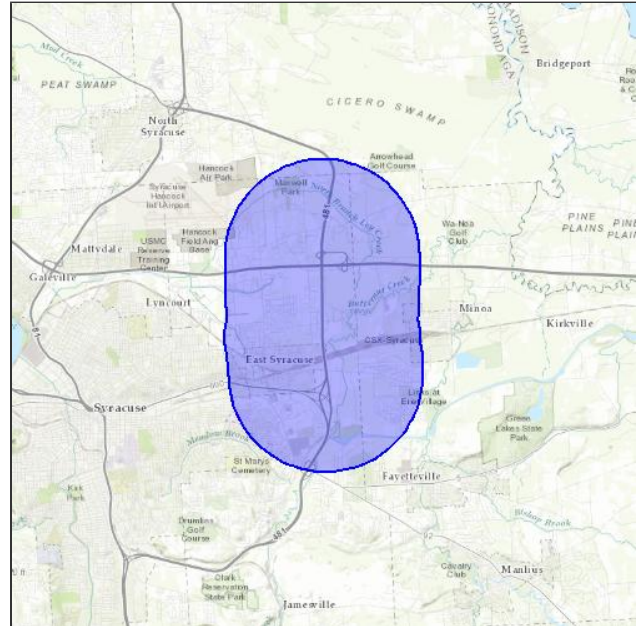
Onondaga County, New York

DESCRIPTION

2 mile radius around I-481 East Study Area

IPAC LINK

<https://ecos.fws.gov/ipac/project/DKULP-KPC3J-GPVLE-Y2LNJ-RYJ7GU>



U.S. Fish & Wildlife Service Contact Information

Trust resources in this location are managed by:

New York Ecological Services Field Office

3817 Luker Road

Cortland, NY 13045-9349

(607) 753-9334

Endangered Species

Proposed, candidate, threatened, and endangered species are managed by the [Endangered Species Program](#) of the U.S. Fish & Wildlife Service.

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[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 either from the Regulatory Documents section in IPaC or from the local field office directly.

The list of species below are those that may occur or could potentially be affected by activities in this location:

Mammals

Indiana Bat *Myotis sodalis* Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=A000

Northern Long-eared Bat *Myotis septentrionalis* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=A0JE

Reptiles

Eastern Massasauga (=rattlesnake) *Sistrurus catenatus* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=C03P

Critical Habitats

There are no critical habitats in this location

Migratory Birds

Birds are protected by the [Migratory Bird Treaty Act](#) and the [Bald and Golden Eagle Protection Act](#).

Any activity that results in the take of migratory birds or eagles is prohibited unless authorized by the U.S. Fish & Wildlife Service.^[1] There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

Any person or organization who plans or conducts activities that may result in the take of migratory birds is responsible for complying with the appropriate regulations and implementing appropriate conservation measures.

1. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

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>
- Conservation measures for birds
<http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Year-round bird occurrence data
<http://www.birdscanada.org/birdmon/default/datasummaries.jsp>

The following species of migratory birds could potentially be affected by activities in this location:

American Bittern *Botaurus lentiginosus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F3

Bald Eagle *Haliaeetus leucocephalus*

Bird of conservation concern

Season: Year-round

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B008

Black Tern *Chlidonias niger*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B09E

Black-billed Cuckoo *Coccyzus erythrophthalmus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HI

Blue-winged Warbler *Vermivora pinus*

Season: Breeding

Bird of conservation concern

Canada Warbler *Wilsonia canadensis*

Season: Breeding

Bird of conservation concern

Golden-winged Warbler *Vermivora chrysoptera*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0G4

Bird of conservation concern

Least Bittern *Ixobrychus exilis*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B092

Olive-sided Flycatcher *Contopus cooperi*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0AN

Bird of conservation concern

Peregrine Falcon *Falco peregrinus*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FU

Bird of conservation concern

Pied-billed Grebe *Podilymbus podiceps*

Season: Breeding

Bird of conservation concern

Prairie Warbler *Dendroica discolor*

Season: Breeding

Bird of conservation concern

Red-headed Woodpecker *Melanerpes erythrocephalus*

Season: Breeding

Bird of conservation concern

Short-eared Owl *Asio flammeus*

Season: Wintering

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HD

Bird of conservation concern

Upland Sandpiper *Bartramia longicauda*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HC

Bird of conservation concern

Willow Flycatcher *Empidonax traillii*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F6

Bird of conservation concern

Wood Thrush *Hylocichla mustelina*

Season: Breeding

Bird of conservation concern

Wildlife refuges and fish hatcheries

There are no refuges or fish hatcheries in this location

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](#).

DATA LIMITATIONS

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This location overlaps all or part of the following wetlands:

Freshwater Emergent Wetland

[PEM1A](#)

[PEM1C](#)

[PEM1E](#)

[PEM5/UBF](#)

[PEM5/UBFh](#)

[PEM5A](#)

[PEM5Ad](#)

[PEM5C](#)

[PEM5E](#)

Freshwater Forested/shrub Wetland

[PFO1/EM5E](#)

[PFO1/SS1A](#)

[PFO1/SS1Ad](#)

[PFO1/SS1E](#)

[PFO1A](#)

[PFO1C](#)

[PFO1E](#)

[PFO5/EM5F](#)

[PFO5/UBHh](#)

[PSS1/EM1C](#)

[PSS1/EM5A](#)

[PSS1/EM5C](#)

[PSS1/EM5E](#)

[PSS1A](#)

[PSS1Ad](#)

[PSS1C](#)

[PSS1E](#)

Freshwater Pond

[PUBF](#)

[PUBFx](#)

[PUBHh](#)

[PUBHx](#)

Lake

[L1UBHx](#)

A full description for each wetland code can be found at the National Wetlands Inventory website: <http://107.20.228.18/decoders/wetlands.aspx>

I-81 Viaduct Project - I-481 North Study Area

IPaC Trust Resources Report

Generated November 16, 2016 02:44 PM MST, IPaC v3.0.9

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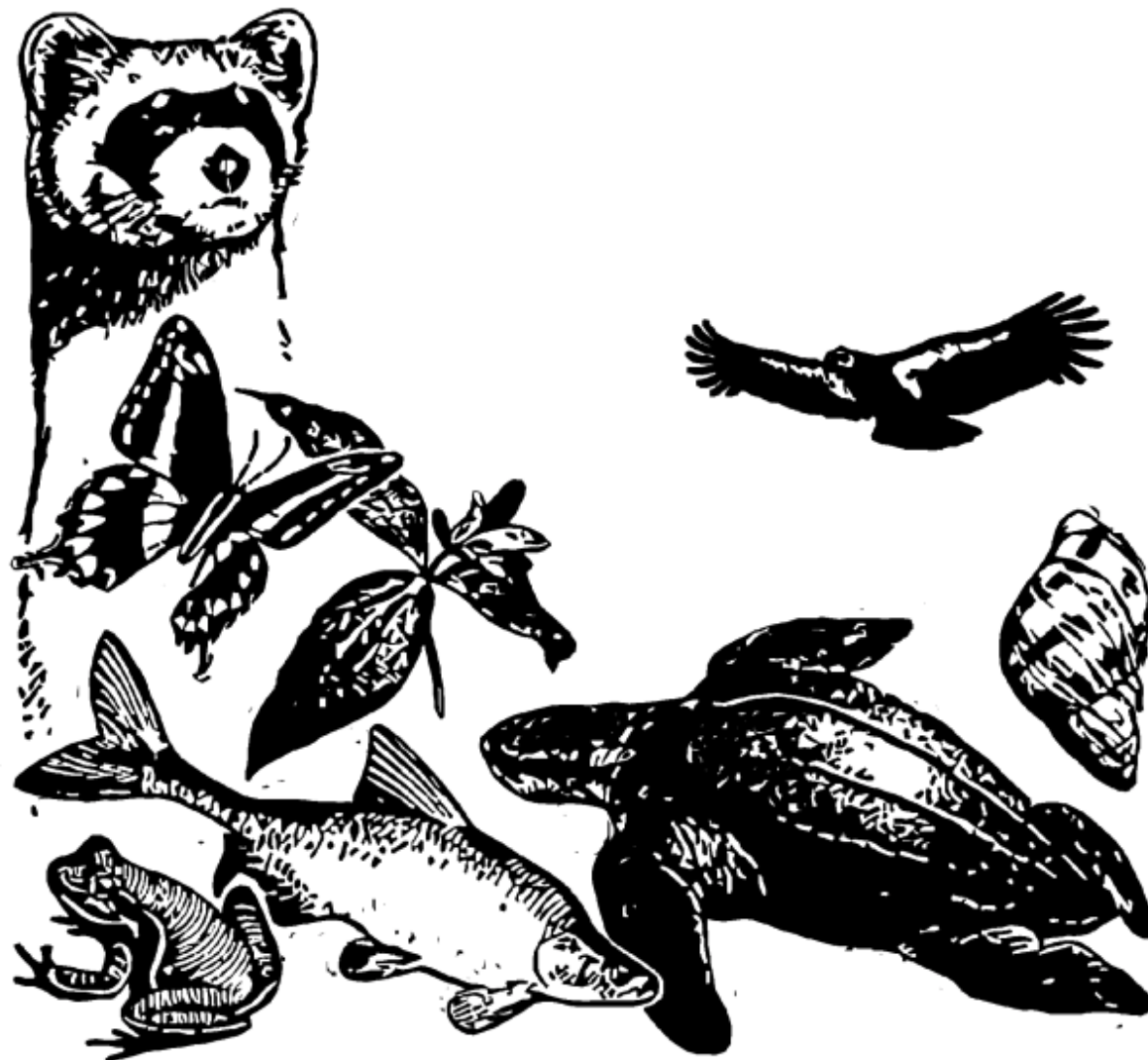


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U.S. Fish & Wildlife Service

IPaC Trust Resources Report



NAME

I-81 Viaduct Project - I-481 North Study Area

LOCATION

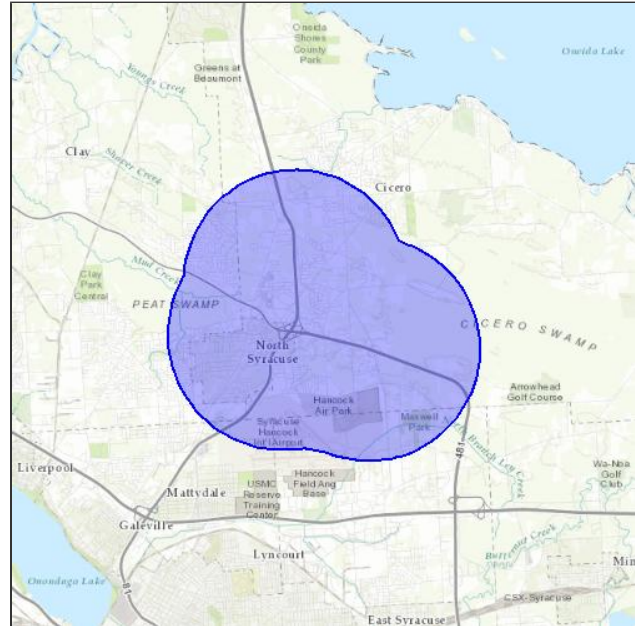
Onondaga County, New York

DESCRIPTION

2 mile radius around I-481 North Study Area

IPAC LINK

<https://ecos.fws.gov/ipac/project/TEJZL-DAH3B-DQ3EC-EB6MY-MMNEE4>



U.S. Fish & Wildlife Service Contact Information

Trust resources in this location are managed by:

New York Ecological Services Field Office

3817 Luker Road

Cortland, NY 13045-9349

(607) 753-9334

Endangered Species

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The list of species below are those that may occur or could potentially be affected by activities in this location:

Mammals

Indiana Bat *Myotis sodalis* Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=A000

Northern Long-eared Bat *Myotis septentrionalis* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=A0JE

Reptiles

Eastern Massasauga (=rattlesnake) *Sistrurus catenatus* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=C03P

Critical Habitats

There are no critical habitats in this location

Migratory Birds

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The following species of migratory birds could potentially be affected by activities in this location:

American Bittern *Botaurus lentiginosus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B0F3

Bald Eagle *Haliaeetus leucocephalus*

Bird of conservation concern

Season: Year-round

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B008

Black Tern *Chlidonias niger*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B09E

Black-billed Cuckoo *Coccyzus erythrophthalmus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B0H1

Blue-winged Warbler *Vermivora pinus*

Season: Breeding

Bird of conservation concern

Canada Warbler *Wilsonia canadensis*

Season: Breeding

Bird of conservation concern

Golden-winged Warbler *Vermivora chrysoptera*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0G4

Bird of conservation concern

Least Bittern *Ixobrychus exilis*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B092

Olive-sided Flycatcher *Contopus cooperi*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0AN

Bird of conservation concern

Peregrine Falcon *Falco peregrinus*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FU

Bird of conservation concern

Pied-billed Grebe *Podilymbus podiceps*

Season: Breeding

Bird of conservation concern

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Bird of conservation concern

Red-headed Woodpecker *Melanerpes erythrocephalus*

Season: Breeding

Bird of conservation concern

Short-eared Owl *Asio flammeus*

Season: Wintering

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HD

Bird of conservation concern

Upland Sandpiper *Bartramia longicauda*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HC

Bird of conservation concern

Willow Flycatcher *Empidonax traillii*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F6

Bird of conservation concern

Wood Thrush *Hylocichla mustelina*

Season: Breeding

Bird of conservation concern

Wildlife refuges and fish hatcheries

There are no refuges or fish hatcheries in this location

Wetlands in the National Wetlands Inventory

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This location overlaps all or part of the following wetlands:

Freshwater Emergent Wetland

[PEM1E](#)

[PEM5/1E](#)

[PEM5/UBF](#)

[PEM5/UBFh](#)

[PEM5/UBFx](#)

[PEM5/UBHh](#)

[PEM5A](#)

[PEM5Ad](#)

[PEM5C](#)

[PEM5Cd](#)

[PEM5E](#)

[PEM5F](#)

Freshwater Forested/shrub Wetland

[PFO1/4E](#)

[PFO1/EM5C](#)

[PFO1/EM5E](#)

[PFO1/SS1A](#)

[PFO1/SS1Ad](#)

[PFO1/SS1C](#)

[PFO1/SS1E](#)

[PFO1A](#)

[PFO1Ad](#)

[PFO1C](#)

[PFO1Cd](#)

[PFO1E](#)

[PFO4/SS1Ba](#)

[PFO4Ba](#)

[PFO5/UBHh](#)

[PSS1/EM1C](#)

[PSS1/EM1E](#)

[PSS1/EM5Ad](#)

[PSS1/EM5C](#)

[PSS1/EM5E](#)

[PSS1A](#)

[PSS1Ba](#)

[PSS1C](#)

[PSS1Cd](#)

[PSS1E](#)

Freshwater Pond

[PUBF](#)

[PUBFh](#)

[PUBFx](#)

[PUBH](#)

[PUBHh](#)

[PUBHx](#)

Riverine

[R2UBH](#)

A full description for each wetland code can be found at the National Wetlands
Inventory website: <http://107.20.228.18/decoders/wetlands.aspx>

I-81 Viaduct Project - I-481 South Study Area

IPaC Trust Resources Report

Generated November 16, 2016 02:40 PM MST, IPaC v3.0.9

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U.S. Fish & Wildlife Service

IPaC Trust Resources Report



NAME

I-81 Viaduct Project - I-481 South
Study Area

LOCATION

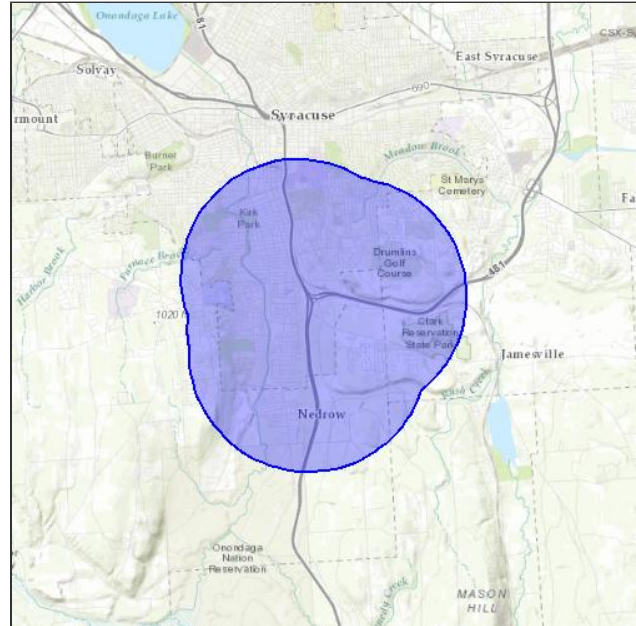
Onondaga County, New York

DESCRIPTION

2 mile radius around I-481 South
Area

IPAC LINK

[https://ecos.fws.gov/ipac/project/
GSJDJ-5ZG3Z-D4V/MM-ZRXEG-7YH4K4](https://ecos.fws.gov/ipac/project/GSJDJ-5ZG3Z-D4V/MM-ZRXEG-7YH4K4)



U.S. Fish & Wildlife Service Contact Information

Trust resources in this location are managed by:

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The list of species below are those that may occur or could potentially be affected by activities in this location:

Ferns and Allies

American Hart's-tongue Fern *Asplenium scolopendrium* var. *americanum* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=S000

Mammals

Indiana Bat *Myotis sodalis* Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=A000

Northern Long-eared Bat *Myotis septentrionalis* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=A0JE

Reptiles

Bog (=muhlenberg) Turtle *Clemmys muhlenbergii* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=C048

Eastern Massasauga (=rattlesnake) *Sistrurus catenatus* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=C03P

Critical Habitats

There are no critical habitats in this location

Migratory Birds

Birds are protected by the [Migratory Bird Treaty Act](#) and the [Bald and Golden Eagle Protection Act](#).

Any activity that results in the take of migratory birds or eagles is prohibited unless authorized by the U.S. Fish & Wildlife Service.^[1] There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

Any person or organization who plans or conducts activities that may result in the take of migratory birds is responsible for complying with the appropriate regulations and implementing appropriate conservation measures.

1. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

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>
- Conservation measures for birds
<http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Year-round bird occurrence data
<http://www.birdscanada.org/birdmon/default/datasummaries.jsp>

The following species of migratory birds could potentially be affected by activities in this location:

American Bittern *Botaurus lentiginosus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F3

Bald Eagle *Haliaeetus leucocephalus*

Bird of conservation concern

Season: Year-round

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B008

Black Tern *Chlidonias niger*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B09E

Black-billed Cuckoo *Coccyzus erythrophthalmus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HI

Blue-winged Warbler *Vermivora pinus*

Season: Breeding

Bird of conservation concern

Canada Warbler *Wilsonia canadensis*

Season: Breeding

Bird of conservation concern

Golden-winged Warbler *Vermivora chrysoptera*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0G4

Least Bittern *Ixobrychus exilis*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B092

Olive-sided Flycatcher *Contopus cooperi*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0AN

Peregrine Falcon *Falco peregrinus*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FU

Pied-billed Grebe *Podilymbus podiceps*

Season: Breeding

Bird of conservation concern

Prairie Warbler *Dendroica discolor*

Season: Breeding

Bird of conservation concern

Red-headed Woodpecker *Melanerpes erythrocephalus*

Season: Breeding

Bird of conservation concern

Short-eared Owl *Asio flammeus*

Season: Wintering

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HD

Upland Sandpiper *Bartramia longicauda*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HC

Willow Flycatcher *Empidonax traillii*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F6

Wood Thrush *Hylocichla mustelina*

Season: Breeding

Bird of conservation concern

Wildlife refuges and fish hatcheries

There are no refuges or fish hatcheries in this location

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](#).

DATA LIMITATIONS

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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

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This location overlaps all or part of the following wetlands:

Freshwater Emergent Wetland

[PEM1/FO1C](#)

[PEM1A](#)

[PEM1E](#)

[PEM5Eh](#)

Freshwater Forested/shrub Wetland

[PFO1/4E](#)

[PFO1/SS1A](#)

[PFO1A](#)

[PFO1Ah](#)

[PFO1C](#)

[PFO1E](#)

[PFO1J](#)

[PFO4E](#)

[PSS1/4E](#)

[PSS1/EM1E](#)

[PSS1/EM5E](#)

[PSS1C](#)

[PSS1E](#)

[PSS1Eb](#)

[PSS4A](#)

Freshwater Pond

[PUBFx](#)

[PUBH](#)

[PUBHh](#)

[PUBHx](#)

Lake

[L1UBHh](#)

A full description for each wetland code can be found at the National Wetlands Inventory website: <http://107.20.228.18/decoders/wetlands.aspx>

I-81 Viaduct Project - I-81 Viaduct Study Area

IPaC Trust Resources Report

Generated November 16, 2016 01:43 PM MST, IPaC v3.0.9

This report is for informational purposes only and should not be used for planning or analyzing project level impacts. For project reviews that require U.S. Fish & Wildlife Service review or concurrence, please return to the IPaC website and request an official species list from the Regulatory Documents page.

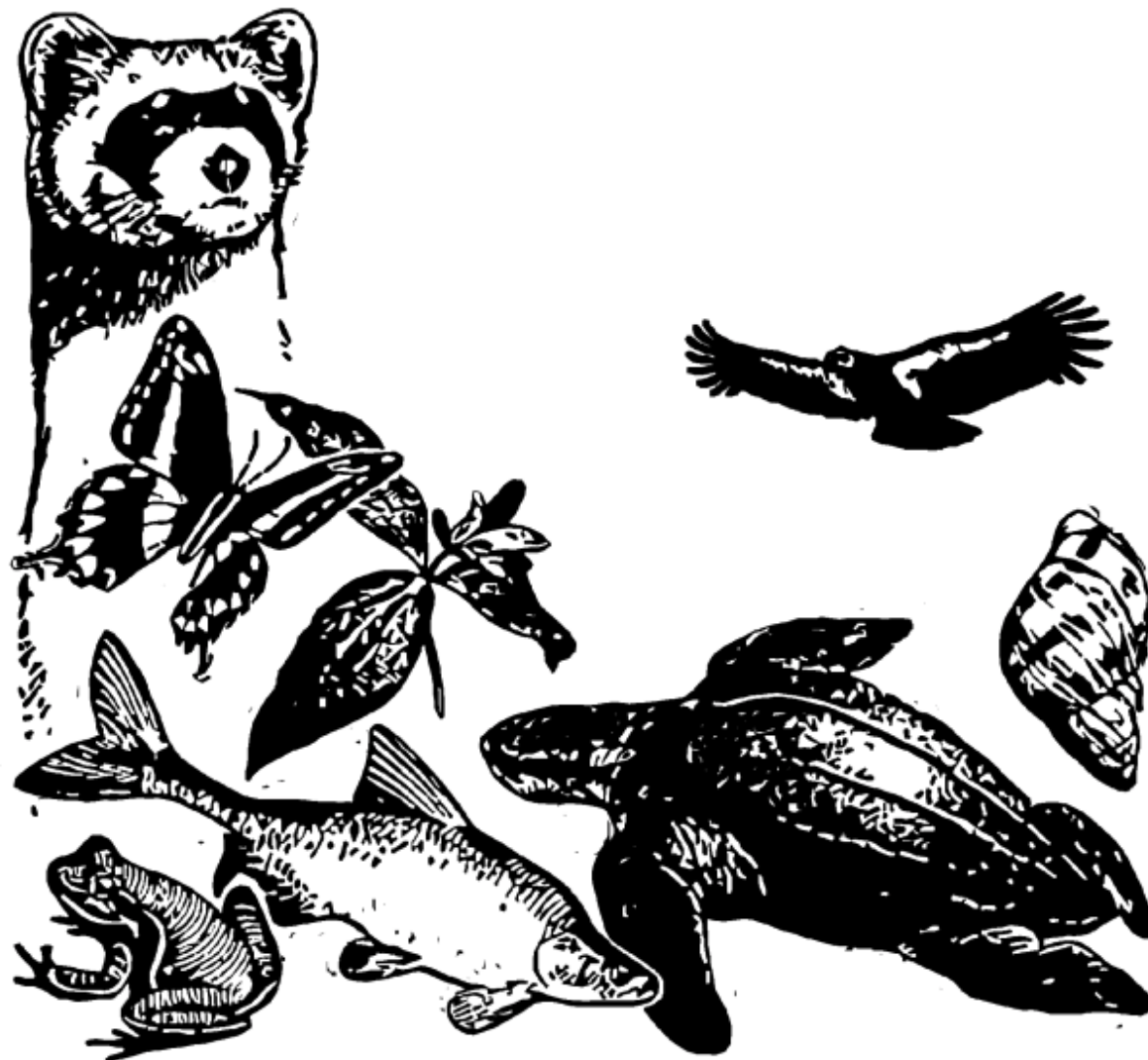


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U.S. Fish & Wildlife Service

IPaC Trust Resources Report



NAME

I-81 Viaduct Project - I-81 Viaduct
Study Area

LOCATION

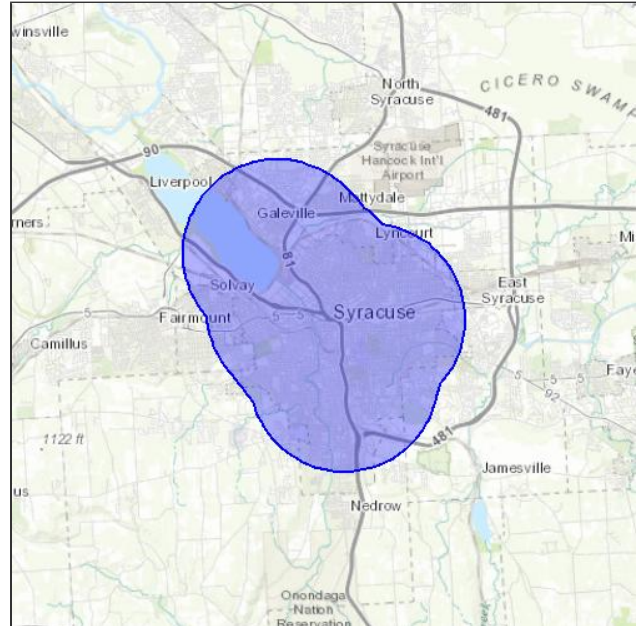
Onondaga County, New York

DESCRIPTION

2.5 mile radius around I-81 Viaduct
Study Area

IPAC LINK

[https://ecos.fws.gov/ipac/project/
2555S-27XTJ-CSBMA-5EYNP-GTTEZM](https://ecos.fws.gov/ipac/project/2555S-27XTJ-CSBMA-5EYNP-GTTEZM)



U.S. Fish & Wildlife Service Contact Information

Trust resources in this location are managed by:

New York Ecological Services Field Office

3817 Luker Road

Cortland, NY 13045-9349

(607) 753-9334

Endangered Species

Proposed, candidate, threatened, and endangered species are managed by the [Endangered Species Program](#) of the U.S. Fish & Wildlife Service.

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For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list from the Regulatory Documents section.

[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 either from the Regulatory Documents section in IPaC or from the local field office directly.

The list of species below are those that may occur or could potentially be affected by activities in this location:

Ferns and Allies

American Hart's-tongue Fern *Asplenium scolopendrium* var. *americanum* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=S00Q

Mammals

Indiana Bat *Myotis sodalis* Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=A000

Northern Long-eared Bat *Myotis septentrionalis* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=A0JE

Reptiles

Eastern Massasauga (=rattlesnake) *Sistrurus catenatus*

Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=C03P

Critical Habitats

There are no critical habitats in this location

Migratory Birds

Birds are protected by the [Migratory Bird Treaty Act](#) and the [Bald and Golden Eagle Protection Act](#).

Any activity that results in the take of migratory birds or eagles is prohibited unless authorized by the U.S. Fish & Wildlife Service.^[1] There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

Any person or organization who plans or conducts activities that may result in the take of migratory birds is responsible for complying with the appropriate regulations and implementing appropriate conservation measures.

1. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

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>
- Conservation measures for birds
<http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Year-round bird occurrence data
<http://www.birdscanada.org/birdmon/default/datasummaries.jsp>

The following species of migratory birds could potentially be affected by activities in this location:

American Bittern *Botaurus lentiginosus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B0F3

Bald Eagle *Haliaeetus leucocephalus*

Bird of conservation concern

Season: Year-round

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B008

Black Tern *Chlidonias niger*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B09F

Black-billed Cuckoo *Coccyzus erythrophthalmus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B0H1

Blue-winged Warbler *Vermivora pinus*

Season: Breeding

Bird of conservation concern

Canada Warbler *Wilsonia canadensis*

Season: Breeding

Bird of conservation concern

Golden-winged Warbler *Vermivora chrysoptera*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0G4

Least Bittern *Ixobrychus exilis*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B092

Olive-sided Flycatcher *Contopus cooperi*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0AN

Peregrine Falcon *Falco peregrinus*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FU

Pied-billed Grebe *Podilymbus podiceps*

Season: Breeding

Bird of conservation concern

Prairie Warbler *Dendroica discolor*

Season: Breeding

Bird of conservation concern

Red-headed Woodpecker *Melanerpes erythrocephalus*

Season: Breeding

Bird of conservation concern

Short-eared Owl *Asio flammeus*

Season: Wintering

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HD

Upland Sandpiper *Bartramia longicauda*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HC

Willow Flycatcher *Empidonax traillii*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F6

Wood Thrush *Hylocichla mustelina*

Season: Breeding

Bird of conservation concern

Wildlife refuges and fish hatcheries

There are no refuges or fish hatcheries in this location

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](#).

DATA LIMITATIONS

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DATA EXCLUSIONS

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DATA PRECAUTIONS

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This location overlaps all or part of the following wetlands:

Freshwater Emergent Wetland

[PEM1/UBFx](#)

[PEM1A](#)

[PEM1Cs](#)

[PEM1E](#)

[PEM5E](#)

[PEM5Eh](#)

Freshwater Forested/shrub Wetland

[PFO1/SS1E](#)

[PFO1A](#)

[PFO1C](#)

[PFO1Cd](#)

[PFO1E](#)

[PFO1J](#)

[PFO5/1E](#)

[PSS1/EM5E](#)

[PSS1E](#)

Freshwater Pond

[PUBFh](#)

[PUBFx](#)

[PUBHh](#)

[PUBHx](#)

[PUBKFhs](#)

[PUBKHh](#)

[PUBKHhs](#)

Lake

[L1UBH](#)

[L1UBHx](#)

[L2UBG](#)

[L2UBH](#)

[L2USAs](#)

Riverine

[R2UBHx](#)

A full description for each wetland code can be found at the National Wetlands Inventory website: <http://107.20.228.18/decoders/wetlands.aspx>

I-81 Viaduct Project - I-481 East Study Area

IPaC Trust Resources Report

Generated November 16, 2016 01:46 PM MST, IPaC v3.0.9

This report is for informational purposes only and should not be used for planning or analyzing project level impacts. For project reviews that require U.S. Fish & Wildlife Service review or concurrence, please return to the IPaC website and request an official species list from the Regulatory Documents page.

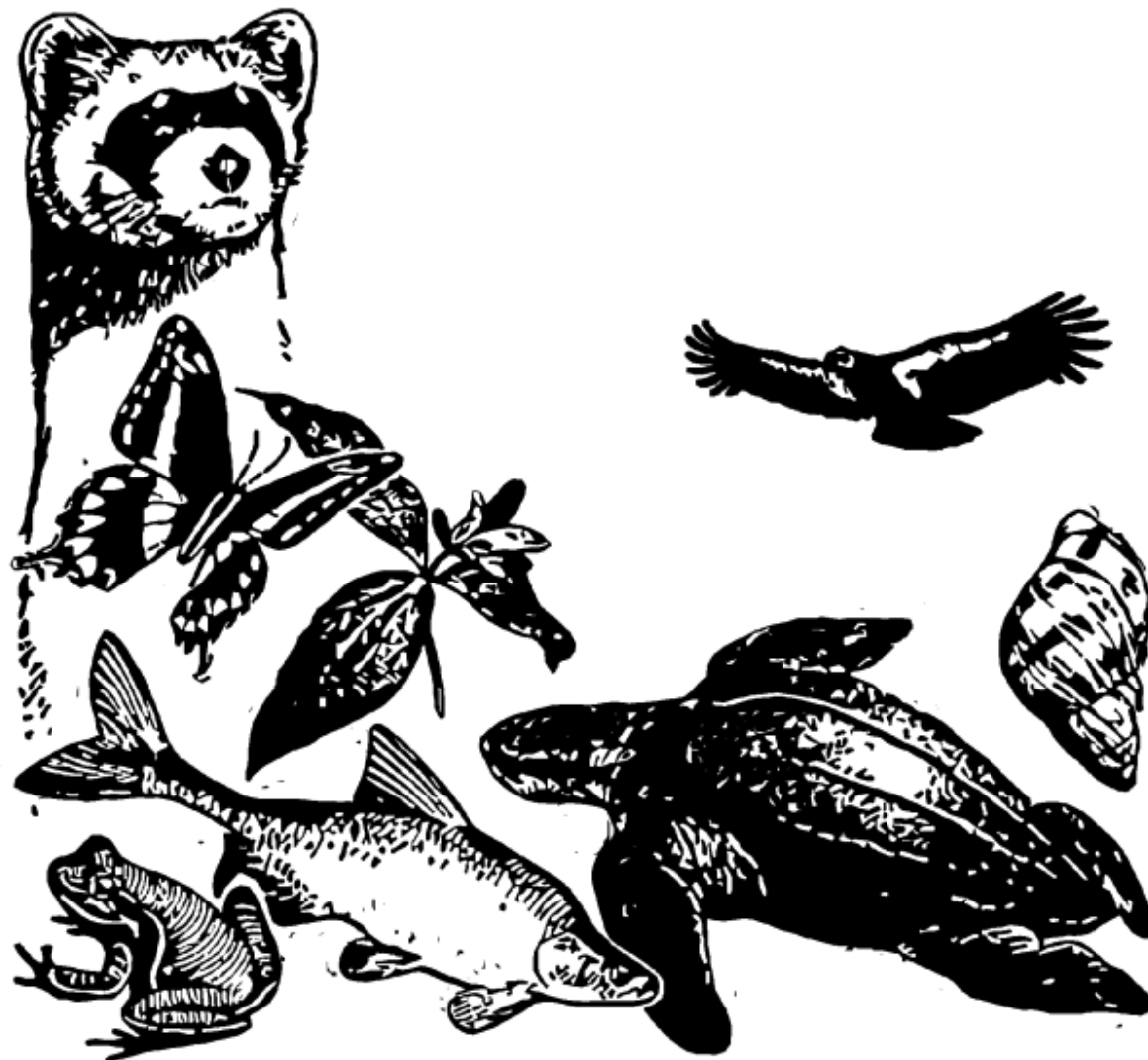


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U.S. Fish & Wildlife Service

IPaC Trust Resources Report



NAME

I-81 Viaduct Project - I-481 East Study Area

LOCATION

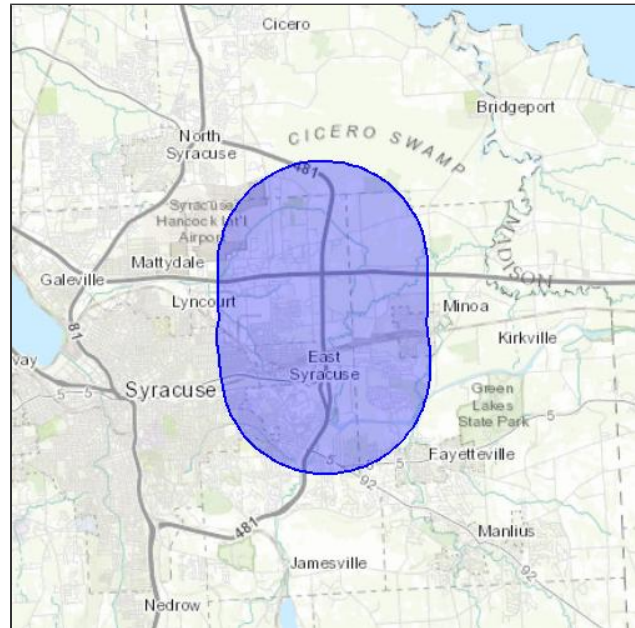
Onondaga County, New York

DESCRIPTION

2.5 mile radius around I-481 East Study Area

IPAC LINK

<https://ecos.fws.gov/ipac/project/A4RFQ-F4G5V-GCFLE-5VTVI-LYBBI>



U.S. Fish & Wildlife Service Contact Information

Trust resources in this location are managed by:

New York Ecological Services Field Office

3817 Luker Road

Cortland, NY 13045-9349

(607) 753-9334

Endangered Species

Proposed, candidate, threatened, and endangered species are managed by the [Endangered Species Program](#) of the U.S. Fish & Wildlife Service.

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The list of species below are those that may occur or could potentially be affected by activities in this location:

Mammals

Indiana Bat *Myotis sodalis* Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=A000

Northern Long-eared Bat *Myotis septentrionalis* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=A0JE

Reptiles

Eastern Massasauga (=rattlesnake) *Sistrurus catenatus* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=C03P

Critical Habitats

There are no critical habitats in this location

Migratory Birds

Birds are protected by the [Migratory Bird Treaty Act](#) and the [Bald and Golden Eagle Protection Act](#).

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- Year-round bird occurrence data
<http://www.birdscanada.org/birdmon/default/datasummaries.jsp>

The following species of migratory birds could potentially be affected by activities in this location:

American Bittern *Botaurus lentiginosus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F3

Bald Eagle *Haliaeetus leucocephalus*

Bird of conservation concern

Season: Year-round

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B008

Black Tern *Chlidonias niger*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B09E

Black-billed Cuckoo *Coccyzus erythrophthalmus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HI

Blue-winged Warbler *Vermivora pinus*

Season: Breeding

Bird of conservation concern

Canada Warbler *Wilsonia canadensis*

Season: Breeding

Bird of conservation concern

Golden-winged Warbler *Vermivora chrysoptera*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0G4

Bird of conservation concern

Least Bittern *Ixobrychus exilis*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B092

Olive-sided Flycatcher *Contopus cooperi*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0AN

Bird of conservation concern

Peregrine Falcon *Falco peregrinus*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FU

Bird of conservation concern

Pied-billed Grebe *Podilymbus podiceps*

Season: Breeding

Bird of conservation concern

Prairie Warbler *Dendroica discolor*

Season: Breeding

Bird of conservation concern

Red-headed Woodpecker *Melanerpes erythrocephalus*

Season: Breeding

Bird of conservation concern

Short-eared Owl *Asio flammeus*

Season: Wintering

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HD

Bird of conservation concern

Upland Sandpiper *Bartramia longicauda*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HC

Bird of conservation concern

Willow Flycatcher *Empidonax traillii*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F6

Bird of conservation concern

Wood Thrush *Hylocichla mustelina*

Season: Breeding

Bird of conservation concern

Wildlife refuges and fish hatcheries

There are no refuges or fish hatcheries in this location

Wetlands in the National Wetlands Inventory

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This location overlaps all or part of the following wetlands:

Freshwater Emergent Wetland

[PEM1A](#)

[PEM1C](#)

[PEM1E](#)

[PEM5/UBF](#)

[PEM5/UBFh](#)

[PEM5A](#)

[PEM5Ad](#)

[PEM5C](#)

[PEM5E](#)

Freshwater Forested/shrub Wetland

[PFO1/EM5A](#)

[PFO1/EM5C](#)

[PFO1/EM5E](#)

[PFO1/SS1A](#)

[PFO1/SS1Ad](#)

[PFO1/SS1E](#)

[PFO1A](#)

[PFO1C](#)

[PFO1E](#)

[PFO5/EM5F](#)

[PFO5/UBHh](#)

[PSS1/EM1C](#)

[PSS1/EM5A](#)

[PSS1/EM5C](#)

[PSS1/EM5E](#)

[PSS1A](#)

[PSS1Ad](#)

[PSS1C](#)

[PSS1E](#)

Freshwater Pond

[PUBF](#)

[PUBFx](#)

[PUBH](#)

[PUBHh](#)

[PUBHx](#)

Lake

[L1UBHx](#)

A full description for each wetland code can be found at the National Wetlands

Inventory website: <http://107.20.228.18/decoders/wetlands.aspx>

I-81 Viaduct Project - I-481 North Study Area

IPaC Trust Resources Report

Generated November 16, 2016 01:48 PM MST, IPaC v3.0.9

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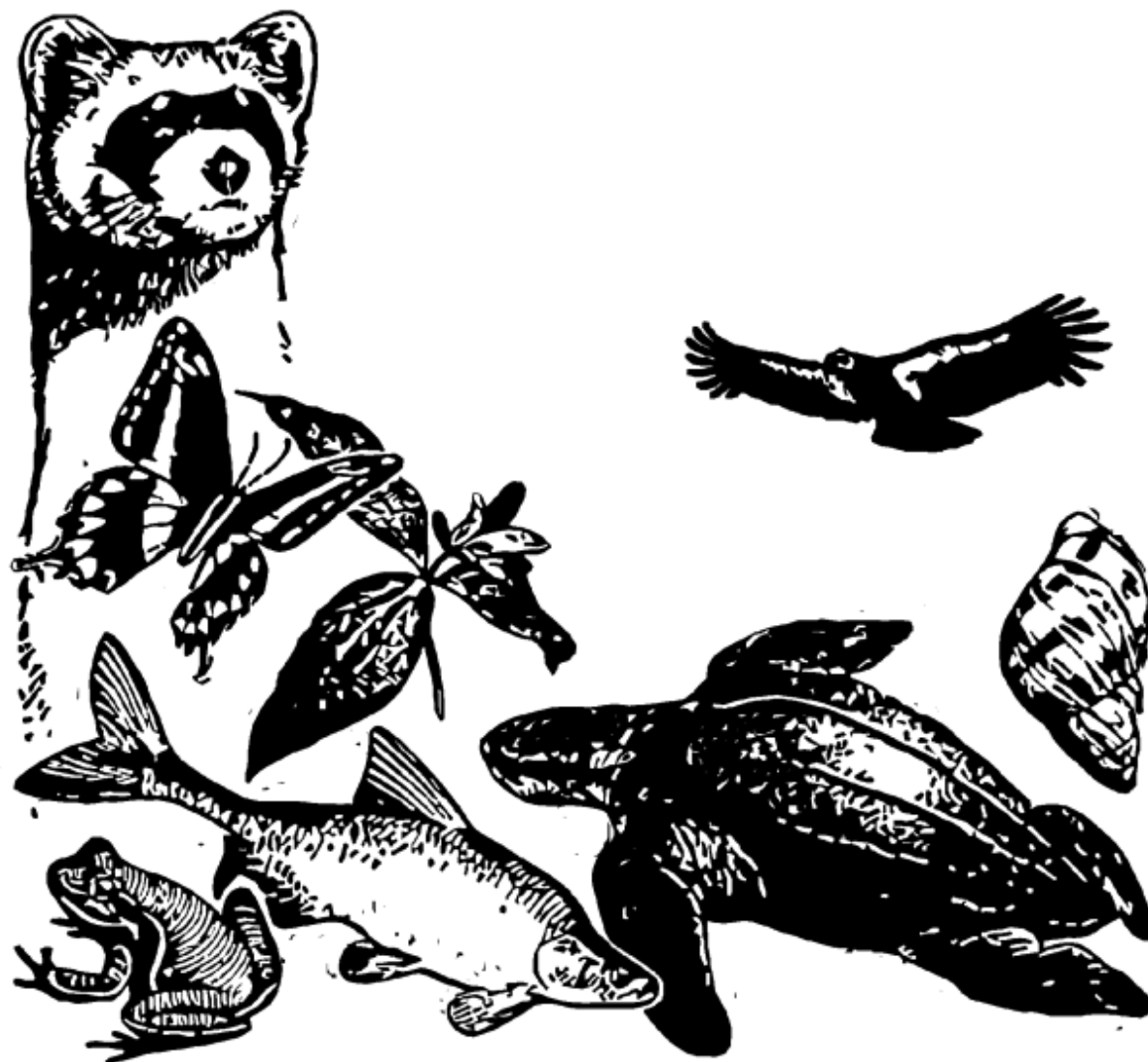


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Wetlands	<u>7</u>

U.S. Fish & Wildlife Service

IPaC Trust Resources Report



NAME

I-81 Viaduct Project - I-481 North Study Area

LOCATION

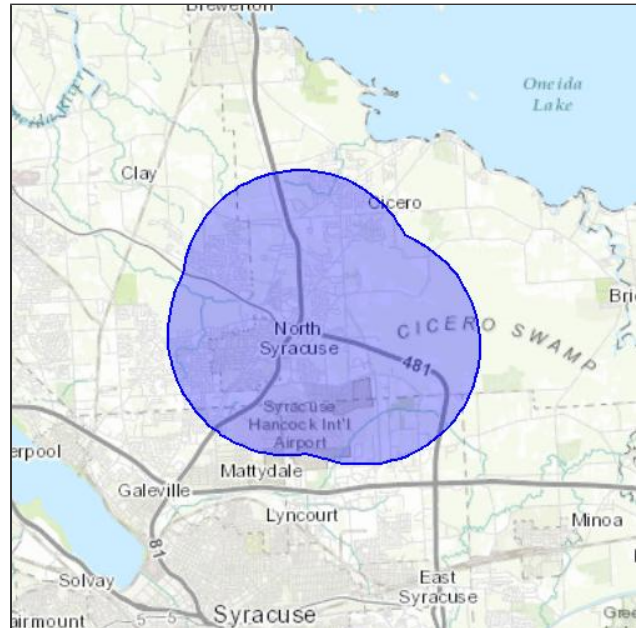
Onondaga County, New York

DESCRIPTION

2.5 mile radius around I-481 North Study Area

IPAC LINK

<https://ecos.fws.gov/ipac/project/BCB6I-MPWBB-EYPJ2-T4ANE-LGBJZU>



U.S. Fish & Wildlife Service Contact Information

Trust resources in this location are managed by:

New York Ecological Services Field Office

3817 Luker Road

Cortland, NY 13045-9349

(607) 753-9334

Endangered Species

Proposed, candidate, threatened, and endangered species are managed by the [Endangered Species Program](#) of the U.S. Fish & Wildlife Service.

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[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 either from the Regulatory Documents section in IPaC or from the local field office directly.

The list of species below are those that may occur or could potentially be affected by activities in this location:

Mammals

Indiana Bat *Myotis sodalis* Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=A000

Northern Long-eared Bat *Myotis septentrionalis* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=A0JE

Reptiles

Eastern Massasauga (=rattlesnake) *Sistrurus catenatus* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=C03P

Critical Habitats

There are no critical habitats in this location

Migratory Birds

Birds are protected by the [Migratory Bird Treaty Act](#) and the [Bald and Golden Eagle Protection Act](#).

Any activity that results in the take of migratory birds or eagles is prohibited unless authorized by the U.S. Fish & Wildlife Service.^[1] There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

Any person or organization who plans or conducts activities that may result in the take of migratory birds is responsible for complying with the appropriate regulations and implementing appropriate conservation measures.

1. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

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>
- Conservation measures for birds
<http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Year-round bird occurrence data
<http://www.birdscanada.org/birdmon/default/datasummaries.jsp>

The following species of migratory birds could potentially be affected by activities in this location:

American Bittern *Botaurus lentiginosus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F3

Bald Eagle *Haliaeetus leucocephalus*

Bird of conservation concern

Season: Year-round

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B008

Black Tern *Chlidonias niger*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B09E

Black-billed Cuckoo *Coccyzus erythrophthalmus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HI

Blue-winged Warbler *Vermivora pinus*

Season: Breeding

Bird of conservation concern

Canada Warbler *Wilsonia canadensis*

Season: Breeding

Bird of conservation concern

Golden-winged Warbler *Vermivora chrysoptera*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0G4

Bird of conservation concern

Least Bittern *Ixobrychus exilis*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B092

Olive-sided Flycatcher *Contopus cooperi*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0AN

Bird of conservation concern

Peregrine Falcon *Falco peregrinus*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FU

Bird of conservation concern

Pied-billed Grebe *Podilymbus podiceps*

Season: Breeding

Bird of conservation concern

Prairie Warbler *Dendroica discolor*

Season: Breeding

Bird of conservation concern

Red-headed Woodpecker *Melanerpes erythrocephalus*

Season: Breeding

Bird of conservation concern

Short-eared Owl *Asio flammeus*

Season: Wintering

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HD

Bird of conservation concern

Upland Sandpiper *Bartramia longicauda*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HC

Bird of conservation concern

Willow Flycatcher *Empidonax traillii*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F6

Bird of conservation concern

Wood Thrush *Hylocichla mustelina*

Season: Breeding

Bird of conservation concern

Wildlife refuges and fish hatcheries

There are no refuges or fish hatcheries in this location

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](#).

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.

This location overlaps all or part of the following wetlands:

Freshwater Emergent Wetland

[PEM1E](#)

[PEM5/1E](#)

[PEM5/UBF](#)

[PEM5/UBFh](#)

[PEM5/UBFx](#)

[PEM5/UBHh](#)

[PEM5A](#)

[PEM5Ad](#)

[PEM5C](#)

[PEM5Cd](#)

[PEM5E](#)

[PEM5F](#)

Freshwater Forested/shrub Wetland

[PFO1/4E](#)

[PFO1/EM5C](#)

[PFO1/EM5E](#)

[PFO1/SS1A](#)

[PFO1/SS1Ad](#)

[PFO1/SS1C](#)

[PFO1/SS1E](#)

[PFO1A](#)

[PFO1Ad](#)

[PFO1C](#)

[PFO1Cd](#)

[PFO1E](#)

[PFO4/1E](#)

[PFO4/SS1Ba](#)

[PFO4Ba](#)

[PFO5/UBHh](#)

[PSS1/EM1C](#)

[PSS1/EM1E](#)

[PSS1/EM5A](#)

[PSS1/EM5Ad](#)

[PSS1/EM5C](#)

[PSS1/EM5Cd](#)

[PSS1/EM5E](#)

[PSS1A](#)

[PSS1Ba](#)

[PSS1C](#)

[PSS1Cd](#)

[PSS1E](#)

Freshwater Pond

[PUBF](#)

[PUBFh](#)

[PUBFx](#)

[PUBH](#)

[PUBHh](#)

[PUBHx](#)

Riverine

[R2UBH](#)

A full description for each wetland code can be found at the National Wetlands Inventory website: <http://107.20.228.18/decoders/wetlands.aspx>

I-81 Viaduct Project - I-481 South Study Area

IPaC Trust Resources Report

Generated November 16, 2016 01:45 PM MST, IPaC v3.0.9

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Wetlands	<u>7</u>

U.S. Fish & Wildlife Service

IPaC Trust Resources Report



NAME

I-81 Viaduct Project - I-481 South
Study Area

LOCATION

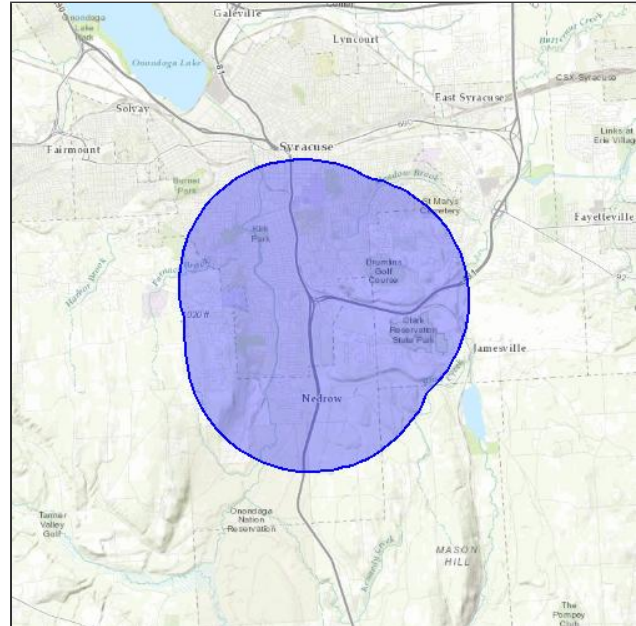
Onondaga County, New York

DESCRIPTION

2.5 mile radius around I-481 South
Study Area

IPAC LINK

[https://ecos.fws.gov/ipac/project/
DI3T3-Q7MTB-FYLN6-3JGPZ-G3YMYE](https://ecos.fws.gov/ipac/project/DI3T3-Q7MTB-FYLN6-3JGPZ-G3YMYE)



U.S. Fish & Wildlife Service Contact Information

Trust resources in this location are managed by:

New York Ecological Services Field Office

3817 Luker Road

Cortland, NY 13045-9349

(607) 753-9334

Endangered Species

Proposed, candidate, threatened, and endangered species are managed by the [Endangered Species Program](#) of the U.S. Fish & Wildlife Service.

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[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 either from the Regulatory Documents section in IPaC or from the local field office directly.

The list of species below are those that may occur or could potentially be affected by activities in this location:

Ferns and Allies

American Hart's-tongue Fern *Asplenium scolopendrium* var. *americanum* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=S00Q

Mammals

Indiana Bat *Myotis sodalis* Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=A000

Northern Long-eared Bat *Myotis septentrionalis* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=A0JE

Reptiles

Bog (=muhlenberg) Turtle *Clemmys muhlenbergii* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=C048

Eastern Massasauga (=rattlesnake) *Sistrurus catenatus* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=C03P

Critical Habitats

There are no critical habitats in this location

Migratory Birds

Birds are protected by the [Migratory Bird Treaty Act](#) and the [Bald and Golden Eagle Protection Act](#).

Any activity that results in the take of migratory birds or eagles is prohibited unless authorized by the U.S. Fish & Wildlife Service.^[1] There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

Any person or organization who plans or conducts activities that may result in the take of migratory birds is responsible for complying with the appropriate regulations and implementing appropriate conservation measures.

1. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

Additional information can be found using the following links:

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- Conservation measures for birds
<http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Year-round bird occurrence data
<http://www.birdscanada.org/birdmon/default/datasummaries.jsp>

The following species of migratory birds could potentially be affected by activities in this location:

American Bittern *Botaurus lentiginosus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F3

Bald Eagle *Haliaeetus leucocephalus*

Bird of conservation concern

Season: Year-round

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B008

Black Tern *Chlidonias niger*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B09E

Black-billed Cuckoo *Coccyzus erythrophthalmus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HI

Blue-winged Warbler *Vermivora pinus*

Season: Breeding

Bird of conservation concern

Canada Warbler *Wilsonia canadensis*

Season: Breeding

Bird of conservation concern

Golden-winged Warbler *Vermivora chrysoptera*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0G4

Least Bittern *Ixobrychus exilis*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B092

Olive-sided Flycatcher *Contopus cooperi*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0AN

Peregrine Falcon *Falco peregrinus*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FU

Pied-billed Grebe *Podilymbus podiceps*

Season: Breeding

Bird of conservation concern

Prairie Warbler *Dendroica discolor*

Season: Breeding

Bird of conservation concern

Red-headed Woodpecker *Melanerpes erythrocephalus*

Season: Breeding

Bird of conservation concern

Short-eared Owl *Asio flammeus*

Season: Wintering

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HD

Upland Sandpiper *Bartramia longicauda*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HC

Willow Flycatcher *Empidonax traillii*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F6

Wood Thrush *Hylocichla mustelina*

Season: Breeding

Bird of conservation concern

Wildlife refuges and fish hatcheries

There are no refuges or fish hatcheries in this location

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](#).

DATA LIMITATIONS

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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.

This location overlaps all or part of the following wetlands:

Freshwater Emergent Wetland

[PEM1/FO1C](#)

[PEM1/SS1C](#)

[PEM1/SS1E](#)

[PEM1A](#)

[PEM1E](#)

[PEM1Eh](#)

[PEM5Eh](#)

Freshwater Forested/shrub Wetland

[PFO1/4E](#)

[PFO1/SS1A](#)

[PFO1/SS1E](#)

[PFO1A](#)

[PFO1Ah](#)

[PFO1C](#)

[PFO1E](#)

[PFO1J](#)

[PFO4E](#)

[PSS1/4E](#)

[PSS1/EM1E](#)

[PSS1/EM5E](#)

[PSS1C](#)

[PSS1Cb](#)

[PSS1E](#)

[PSS1Eb](#)

[PSS4A](#)

Freshwater Pond

[PUBF](#)

[PUBFx](#)

[PUBH](#)

[PUBHh](#)

[PUBHx](#)

[PUBKHh](#)

Lake

[L1UBHh](#)

[L2UBHh](#)

[L2USCh](#)

A full description for each wetland code can be found at the National Wetlands Inventory website: <http://107.20.228.18/decoders/wetlands.aspx>

I-81 Viaduct Project - I-81 Viaduct Study Area

IPaC Trust Resources Report

Generated November 16, 2016 02:15 PM MST, IPaC v3.0.9

This report is for informational purposes only and should not be used for planning or analyzing project level impacts. For project reviews that require U.S. Fish & Wildlife Service review or concurrence, please return to the IPaC website and request an official species list from the Regulatory Documents page.



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Wetlands	<u>8</u>

U.S. Fish & Wildlife Service

IPaC Trust Resources Report



NAME

I-81 Viaduct Project - I-81 Viaduct
Study Area

LOCATION

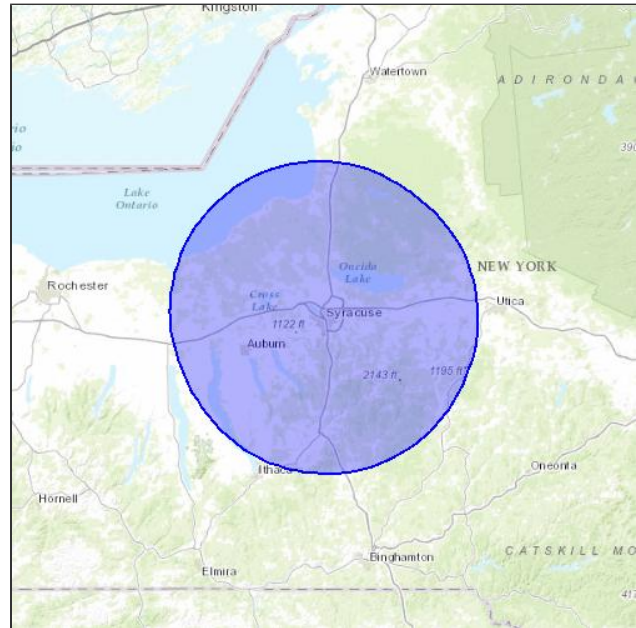
New York

DESCRIPTION

40 mile radius around I-81 Viaduct
Study Area

IPAC LINK

[https://ecos.fws.gov/ipac/project/
AAD3T-SHB55-GFPML-TSLE4-7HLLC/](https://ecos.fws.gov/ipac/project/AAD3T-SHB55-GFPML-TSLE4-7HLLC/)



U.S. Fish & Wildlife Service Contact Information

Trust resources in this location are managed by:

New York Ecological Services Field Office

3817 Luker Road

Cortland, NY 13045-9349

(607) 753-9334

Endangered Species

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A letter from the local office and a species list which fulfills this requirement can only be obtained by requesting an official species list either from the Regulatory Documents section in IPaC or from the local field office directly.

The list of species below are those that may occur or could potentially be affected by activities in this location:

Birds

Piping Plover *Charadrius melodus*

Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B079

Ferns and Allies

American Hart's-tongue Fern *Asplenium scolopendrium* var. *americanum*

Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=S000

Mammals

Indiana Bat *Myotis sodalis*

Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=A000

Northern Long-eared Bat *Myotis septentrionalis*

Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=A0JE

Reptiles

Bog (=muhlenberg) Turtle *Clemmys muhlenbergii*

Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=C048

Eastern Massasauga (=rattlesnake) *Sistrurus catenatus*

Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=C03P

Snails

Chittenango Ovate Amber Snail *Succinea chittenangoensis*

Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=G00P

Critical Habitats

There are no critical habitats in this location

Migratory Birds

Birds are protected by the [Migratory Bird Treaty Act](#) and the [Bald and Golden Eagle Protection Act](#).

Any activity that results in the take of migratory birds or eagles is prohibited unless authorized by the U.S. Fish & Wildlife Service.^[1] There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

Any person or organization who plans or conducts activities that may result in the take of migratory birds is responsible for complying with the appropriate regulations and implementing appropriate conservation measures.

1. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

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>
- Conservation measures for birds
<http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Year-round bird occurrence data
<http://www.birdscanada.org/birdmon/default/datasummaries.jsp>

The following species of migratory birds could potentially be affected by activities in this location:

American Bittern *Botaurus lentiginosus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F3

Bald Eagle *Haliaeetus leucocephalus*

Bird of conservation concern

Season: Year-round

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B008

Black Tern *Chlidonias niger*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B09E

Black-billed Cuckoo *Coccyzus erythrophthalmus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HI

Blue-winged Warbler *Vermivora pinus*

Season: Breeding

Bird of conservation concern

Canada Warbler *Wilsonia canadensis*

Season: Breeding

Bird of conservation concern

Cerulean Warbler *Dendroica cerulea*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B09I

Common Tern *Sterna hirundo*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B09G

Golden-winged Warbler *Vermivora chrysoptera*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0G4

Least Bittern *Ixobrychus exilis*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B092

Louisiana Waterthrush *Parkesia motacilla*

Season: Breeding

Bird of conservation concern

Olive-sided Flycatcher *Contopus cooperi*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0AN

Peregrine Falcon *Falco peregrinus*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FU

Pied-billed Grebe *Podilymbus podiceps*

Season: Breeding

Bird of conservation concern

Prairie Warbler *Dendroica discolor*

Season: Breeding

Bird of conservation concern

Red-headed Woodpecker *Melanerpes erythrocephalus*

Season: Breeding

Bird of conservation concern

Short-eared Owl *Asio flammeus*

Season: Wintering

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HD

Upland Sandpiper *Bartramia longicauda*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HC

Willow Flycatcher *Empidonax traillii*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F6

Wood Thrush *Hylocichla mustelina*

Season: Breeding

Bird of conservation concern

Yellow Rail *Coturnicops noveboracensis*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B0JG

Wildlife refuges and fish hatcheries

Any activity proposed on [National Wildlife Refuge](#) lands must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

This location overlaps all or part of the following National Wildlife Refuges:

The area of this project is too large for IPaC to load all National Wildlife Refuges in the area. The list below may be incomplete, or the acreages reported may be inaccurate. Please contact the local U.S. Fish & Wildlife Service office or visit the [NWR map](#) for a full list.

Montezuma National Wildlife Refuge

9,907.03 acres

PHONE (315) 568-5987

ADDRESS

3395 Us Route 20 East
Seneca Falls, NY 13148

<http://www.fws.gov/refuges/profiles/index.cfm?id=52550>

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](#).

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.

Wetland data is unavailable at this time.

I-81 Viaduct Project - I-481 East Study Area

IPaC Trust Resources Report

Generated November 16, 2016 02:18 PM MST, IPaC v3.0.9

This report is for informational purposes only and should not be used for planning or analyzing project level impacts. For project reviews that require U.S. Fish & Wildlife Service review or concurrence, please return to the IPaC website and request an official species list from the Regulatory Documents page.



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Migratory Birds	4
Refuges & Hatcheries	7
Wetlands	8

U.S. Fish & Wildlife Service

IPaC Trust Resources Report



NAME

I-81 Viaduct Project - I-481 East Study Area

LOCATION

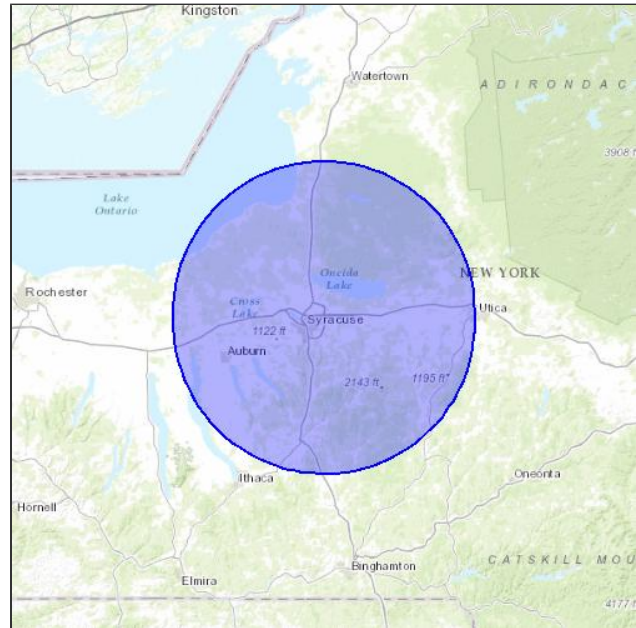
New York

DESCRIPTION

40 mile radius around I-481 East Study Area

IPAC LINK

<https://ecos.fws.gov/ipac/project/RAMKB-ZM23F-A3FB6-F5CJD-SCMCIE>



U.S. Fish & Wildlife Service Contact Information

Trust resources in this location are managed by:

New York Ecological Services Field Office

3817 Luker Road

Cortland, NY 13045-9349

(607) 753-9334

Endangered Species

Proposed, candidate, threatened, and endangered species are managed by the [Endangered Species Program](#) of the U.S. Fish & Wildlife Service.

This USFWS trust resource report is for informational purposes only and should not be used for planning or analyzing project level impacts.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list from the Regulatory Documents section.

[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 either from the Regulatory Documents section in IPaC or from the local field office directly.

The list of species below are those that may occur or could potentially be affected by activities in this location:

Birds

Piping Plover *Charadrius melodus*

Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B079

Ferns and Allies

American Hart's-tongue Fern *Asplenium scolopendrium* var. *americanum*

Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=S000

Mammals

Indiana Bat *Myotis sodalis* Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=A000

Northern Long-eared Bat *Myotis septentrionalis* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=A0JE

Reptiles

Bog (=muhlenberg) Turtle *Clemmys muhlenbergii* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=C048

Eastern Massasauga (=rattlesnake) *Sistrurus catenatus* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=C03P

Snails

Chittenango Ovate Amber Snail *Succinea chittenangoensis* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=G00P

Critical Habitats

There are no critical habitats in this location

Migratory Birds

Birds are protected by the [Migratory Bird Treaty Act](#) and the [Bald and Golden Eagle Protection Act](#).

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Any person or organization who plans or conducts activities that may result in the take of migratory birds is responsible for complying with the appropriate regulations and implementing appropriate conservation measures.

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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>
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- Year-round bird occurrence data
<http://www.birdscanada.org/birdmon/default/datasummaries.jsp>

The following species of migratory birds could potentially be affected by activities in this location:

American Bittern *Botaurus lentiginosus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F3

Bald Eagle *Haliaeetus leucocephalus*

Bird of conservation concern

Season: Year-round

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B008

Black Tern *Chlidonias niger*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B09E

Black-billed Cuckoo *Coccyzus erythrophthalmus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HI

Blue-winged Warbler *Vermivora pinus*

Season: Breeding

Bird of conservation concern

Canada Warbler *Wilsonia canadensis*

Season: Breeding

Bird of conservation concern

Cerulean Warbler *Dendroica cerulea*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B09I

Common Tern *Sterna hirundo*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B09G

Golden-winged Warbler *Vermivora chrysoptera*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0G4

Least Bittern *Ixobrychus exilis*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B092

Louisiana Waterthrush *Parkesia motacilla*

Season: Breeding

Bird of conservation concern

Olive-sided Flycatcher *Contopus cooperi*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0AN

Peregrine Falcon *Falco peregrinus*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FU

Pied-billed Grebe *Podilymbus podiceps*

Season: Breeding

Bird of conservation concern

Prairie Warbler *Dendroica discolor*

Season: Breeding

Bird of conservation concern

Red-headed Woodpecker *Melanerpes erythrocephalus*

Season: Breeding

Bird of conservation concern

Short-eared Owl *Asio flammeus*

Season: Wintering

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HD

Upland Sandpiper *Bartramia longicauda*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HC

Willow Flycatcher *Empidonax traillii*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F6

Wood Thrush *Hylocichla mustelina*

Season: Breeding

Bird of conservation concern

Yellow Rail *Coturnicops noveboracensis*

Season: Breeding

Bird of conservation concern

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B0JG

Wildlife refuges and fish hatcheries

Refuge and fish hatchery data is unavailable 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](#).

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This location overlaps all or part of the following wetlands:

The area of this project is too large for IPaC to load all NWI wetlands in the area. The list below may be incomplete. Please contact the local U.S. Fish & Wildlife Service office or visit the [NWI map](#) for a full list.

Freshwater Emergent Wetland

[PEM1/ABF](#)

[PEM1/SS1B](#)

[PEM1/SS1C](#)

[PEM1/SS1E](#)
[PEM1/SS1Eb](#)
[PEM1A](#)
[PEM1B](#)
[PEM1C](#)
[PEM1Cd](#)
[PEM1E](#)
[PEM1Ed](#)
[PEM1Eh](#)
[PEM1Ex](#)
[PEM1F](#)
[PEM1Fb](#)
[PEM1Fh](#)
[PEM5/UBH](#)
[PEM5/UBHh](#)
[PEM5Ad](#)
[PEM5E](#)
[PEM5Eh](#)
[PEM5F](#)
[PEMC](#)
[PEMF](#)

Freshwater Forested/shrub Wetland

[PFO/SS1A](#)
[PFO/SS1C](#)
[PFO/SS1E](#)
[PFO1/4E](#)
[PFO1/EM1E](#)
[PFO1/EM5E](#)
[PFO1/SS1E](#)
[PFO1/SS1Eh](#)
[PFO1A](#)
[PFO1B](#)
[PFO1Bd](#)
[PFO1C](#)
[PFO1Ch](#)
[PFO1E](#)

[PFO1Eh](#)
[PFO1F](#)
[PFO4/1B](#)
[PFO4/1E](#)
[PFO4/EM1E](#)
[PFO4/SS1E](#)
[PFO4B](#)
[PFO4C](#)
[PFO4E](#)
[PFO5Fb](#)
[PFO5Fh](#)
[PSS1/4E](#)
[PSS1/EM1E](#)
[PSS1/EM1Ed](#)
[PSS1/EM5C](#)
[PSS1/EM5E](#)
[PSS1/EM5F](#)
[PSS1/FO1E](#)
[PSS1/FO1Ed](#)
[PSS1/UBFh](#)
[PSS1A](#)
[PSS1B](#)
[PSS1Bd](#)
[PSS1C](#)
[PSS1E](#)
[PSS1F](#)
[PSS1Fb](#)
[PSS1Fh](#)

Freshwater Pond

[PAB/UBHh](#)
[PABF](#)
[PABFh](#)
[PABH](#)
[PABHb](#)
[PABHh](#)
[PABHx](#)

[PUB/EM1F](#)
[PUB/EM1Fb](#)
[PUB/EM1Fh](#)
[PUBF](#)
[PUBFb](#)
[PUBFh](#)
[PUBFx](#)
[PUBH](#)
[PUBHb](#)
[PUBHh](#)
[PUBHx](#)
[PUBKHh](#)
[PUS](#)

Lake

[L1UBH](#)
[L1UBHx](#)
[L2EM2H](#)
[L2RSJ](#)
[L2UBH](#)
[L2USA](#)

Other

[Pf](#)

Riverine

[R2UBH](#)
[R2UBHx](#)
[R3UBH](#)
[R3USA](#)
[R3USC](#)

A full description for each wetland code can be found at the National Wetlands Inventory website: <http://107.20.228.18/decoders/wetlands.aspx>

I-81 Viaduct Project - I-481 North Study Area

IPaC Trust Resources Report

Generated November 16, 2016 02:20 PM MST, IPaC v3.0.9

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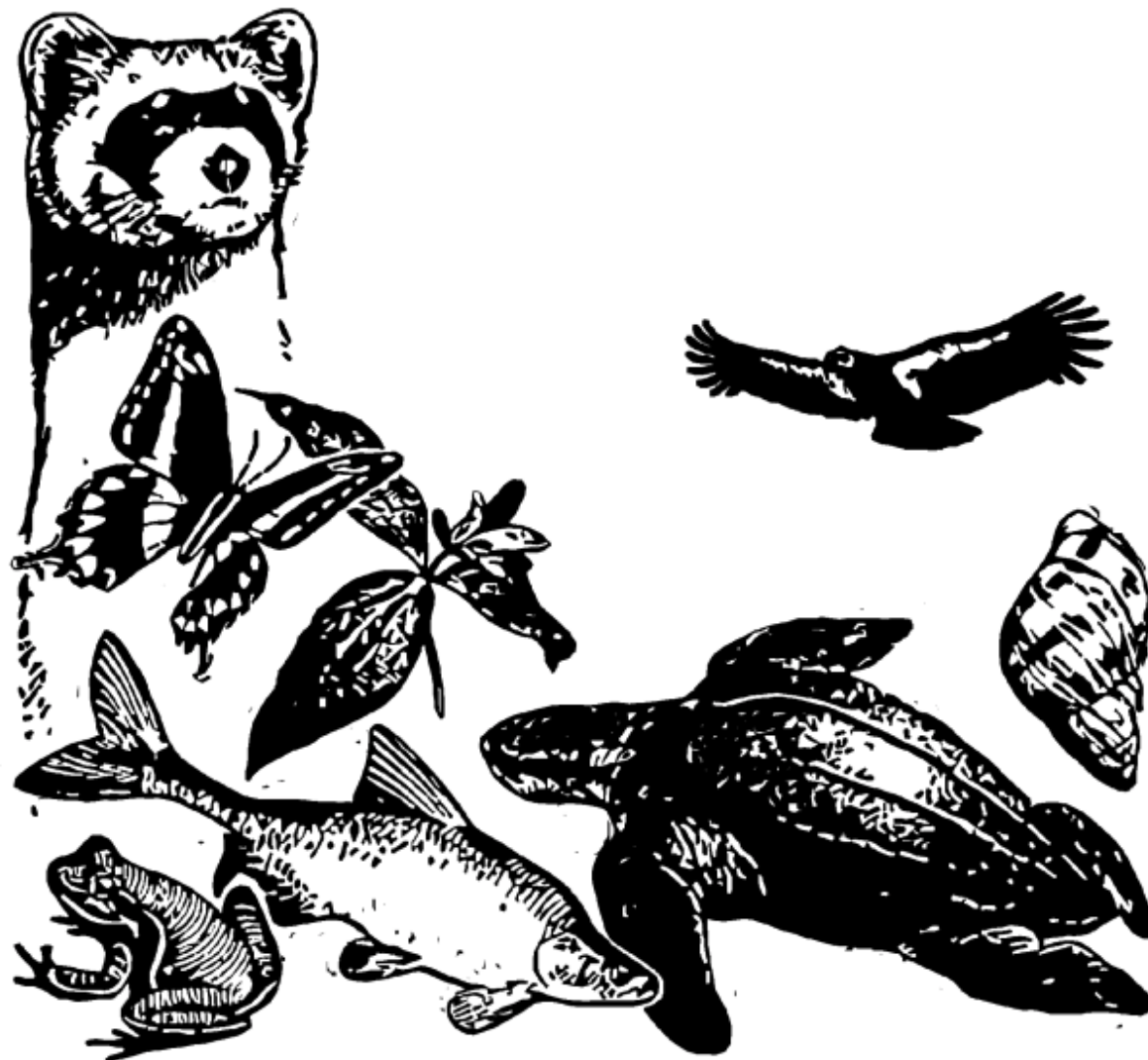


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U.S. Fish & Wildlife Service

IPaC Trust Resources Report



NAME

I-81 Viaduct Project - I-481 North Study Area

LOCATION

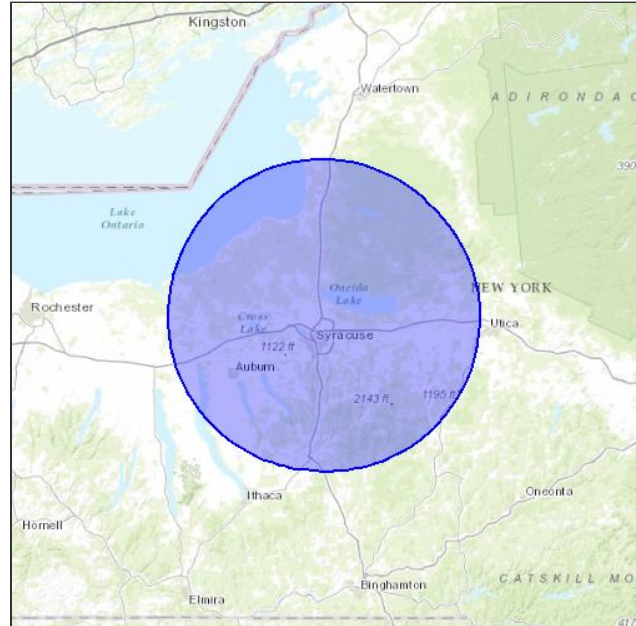
New York

DESCRIPTION

40 mile radius around I-481 North Study Area

IPAC LINK

<https://ecos.fws.gov/ipac/project/DBPLF-HYPIF-BORC7-7TUTE-4GNSOM>



U.S. Fish & Wildlife Service Contact Information

Trust resources in this location are managed by:

New York Ecological Services Field Office

3817 Luker Road

Cortland, NY 13045-9349

(607) 753-9334

Endangered Species

Proposed, candidate, threatened, and endangered species are managed by the [Endangered Species Program](#) of the U.S. Fish & Wildlife Service.

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A letter from the local office and a species list which fulfills this requirement can only be obtained by requesting an official species list either from the Regulatory Documents section in IPaC or from the local field office directly.

The list of species below are those that may occur or could potentially be affected by activities in this location:

Birds

Piping Plover *Charadrius melodus*

Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B079

Ferns and Allies

American Hart's-tongue Fern *Asplenium scolopendrium* var. *americanum*

Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=S000

Mammals

Indiana Bat *Myotis sodalis* Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=A000

Northern Long-eared Bat *Myotis septentrionalis* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=A0JE

Reptiles

Bog (=muhlenberg) Turtle *Clemmys muhlenbergii* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=C048

Eastern Massasauga (=rattlesnake) *Sistrurus catenatus* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=C03P

Snails

Chittenango Ovate Amber Snail *Succinea chittenangoensis* Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=G00P

Critical Habitats

There are no critical habitats in this location

Migratory Birds

Birds are protected by the [Migratory Bird Treaty Act](#) and the [Bald and Golden Eagle Protection Act](#).

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1. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

Additional information can be found using the following links:

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<http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php>
- Conservation measures for birds
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- Year-round bird occurrence data
<http://www.birdscanada.org/birdmon/default/datasummaries.jsp>

The following species of migratory birds could potentially be affected by activities in this location:

American Bittern *Botaurus lentiginosus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F3

Bald Eagle *Haliaeetus leucocephalus*

Bird of conservation concern

Season: Year-round

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B008

Black Tern *Chlidonias niger*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B09E

Black-billed Cuckoo *Coccyzus erythrophthalmus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HI

Black-crowned Night-heron <i>Nycticorax nycticorax</i> Season: Breeding http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0EU	Bird of conservation concern
Blue-winged Warbler <i>Vermivora pinus</i> Season: Breeding	Bird of conservation concern
Canada Warbler <i>Wilsonia canadensis</i> Season: Breeding	Bird of conservation concern
Cerulean Warbler <i>Dendroica cerulea</i> Season: Breeding http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B09I	Bird of conservation concern
Common Tern <i>Sterna hirundo</i> Season: Breeding http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B09G	Bird of conservation concern
Golden-winged Warbler <i>Vermivora chrysoptera</i> Season: Breeding http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0G4	Bird of conservation concern
Least Bittern <i>Ixobrychus exilis</i> Season: Breeding http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B092	
Louisiana Waterthrush <i>Parkesia motacilla</i> Season: Breeding	Bird of conservation concern
Olive-sided Flycatcher <i>Contopus cooperi</i> Season: Breeding http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0AN	Bird of conservation concern
Peregrine Falcon <i>Falco peregrinus</i> Season: Breeding http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0FU	Bird of conservation concern
Pied-billed Grebe <i>Podilymbus podiceps</i> Season: Breeding	Bird of conservation concern
Prairie Warbler <i>Dendroica discolor</i> Season: Breeding	Bird of conservation concern
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Upland Sandpiper <i>Bartramia longicauda</i> Season: Breeding http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HC	Bird of conservation concern

Willow Flycatcher *Empidonax traillii*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B0F6

Bird of conservation concern

Wood Thrush *Hylocichla mustelina*

Season: Breeding

Bird of conservation concern

Yellow Rail *Coturnicops noveboracensis*

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B0JG

Bird of conservation concern

Wildlife refuges and fish hatcheries

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Montezuma National Wildlife Refuge

9,907.03 acres

PHONE (315) 568-5987

ADDRESS

3395 Us Route 20 East
Seneca Falls, NY 13148

<http://www.fws.gov/refuges/profiles/index.cfm?id=52550>

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](#).

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DATA PRECAUTIONS

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Freshwater Emergent Wetland

[PEM1/ABF](#)

[PEM1/SS1B](#)

[PEM1/SS1C](#)

[PEM1/SS1E](#)
[PEM1/SS1Eb](#)
[PEM1A](#)
[PEM1B](#)
[PEM1C](#)
[PEM1E](#)
[PEM1Ed](#)
[PEM1Eh](#)
[PEM1Ex](#)
[PEM1F](#)
[PEM1Fb](#)
[PEM1Fh](#)
[PEM5/UBH](#)
[PEM5/UBHh](#)
[PEM5Ad](#)
[PEM5E](#)
[PEM5Eh](#)
[PEM5F](#)
[PEMF](#)

Freshwater Forested/shrub Wetland

[PFO](#)
[PFO/SS1A](#)
[PFO/SS1C](#)
[PFO/SS1E](#)
[PFO1/4E](#)
[PFO1/EM1E](#)
[PFO1/EM5E](#)
[PFO1/SS1E](#)
[PFO1/SS1Eh](#)
[PFO1A](#)
[PFO1B](#)
[PFO1Bd](#)
[PFO1C](#)
[PFO1Ch](#)
[PFO1E](#)
[PFO1Eh](#)

[PFO1F](#)
[PFO4/1B](#)
[PFO4/1E](#)
[PFO4/EM1E](#)
[PFO4/SS1E](#)
[PFO4B](#)
[PFO4E](#)
[PFO5Fb](#)
[PFO5Fh](#)
[PSS1/4E](#)
[PSS1/EM1E](#)
[PSS1/EM1Ed](#)
[PSS1/EM5C](#)
[PSS1/EM5E](#)
[PSS1/EM5F](#)
[PSS1/FO1E](#)
[PSS1/FO1Ed](#)
[PSS1/UBFh](#)
[PSS1A](#)
[PSS1B](#)
[PSS1Bd](#)
[PSS1C](#)
[PSS1E](#)
[PSS1F](#)
[PSS1Fb](#)
[PSS1Fh](#)

Freshwater Pond

[PAB/UBHh](#)
[PABF](#)
[PABFh](#)
[PABH](#)
[PABHb](#)
[PABHh](#)
[PABHx](#)
[PUB/EM1F](#)
[PUB/EM1Fb](#)

[PUBF](#)

[PUBFb](#)

[PUBFh](#)

[PUBFx](#)

[PUBH](#)

[PUBHb](#)

[PUBHh](#)

[PUBHx](#)

[PUBKHh](#)

[PUS](#)

Lake

[L1UBH](#)

[L1UBHx](#)

[L2EM2H](#)

[L2RSJ](#)

[L2UBH](#)

[L2USA](#)

Other

[Pf](#)

Riverine

[R2UBH](#)

[R2UBHx](#)

[R3UBH](#)

[R3USA](#)

[R3USC](#)

A full description for each wetland code can be found at the National Wetlands Inventory website: <http://107.20.228.18/decoders/wetlands.aspx>

I-81 Viaduct Project - I-481 South Study Area

IPaC Trust Resources Report

Generated November 16, 2016 02:16 PM MST, IPaC v3.0.9

This report is for informational purposes only and should not be used for planning or analyzing project level impacts. For project reviews that require U.S. Fish & Wildlife Service review or concurrence, please return to the IPaC website and request an official species list from the Regulatory Documents page.



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U.S. Fish & Wildlife Service

IPaC Trust Resources Report



NAME

I-81 Viaduct Project - I-481 South
Study Area

LOCATION

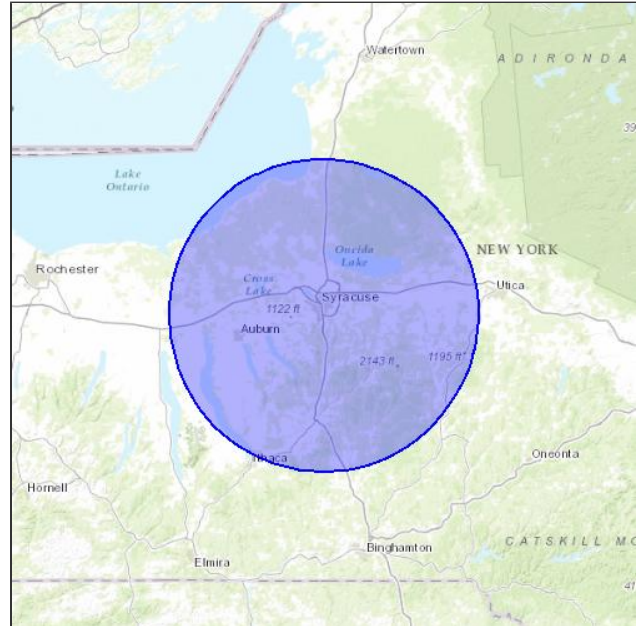
New York

DESCRIPTION

40 mile radius around I-481 South
Study Area

IPAC LINK

[https://ecos.fws.gov/ipac/project/
RSDIG-JE5HN-H2RNN-R2V2Y-2G63ZY](https://ecos.fws.gov/ipac/project/RSDIG-JE5HN-H2RNN-R2V2Y-2G63ZY)



U.S. Fish & Wildlife Service Contact Information

Trust resources in this location are managed by:

New York Ecological Services Field Office

3817 Luker Road

Cortland, NY 13045-9349

(607) 753-9334

Endangered Species

Proposed, candidate, threatened, and endangered species are managed by the [Endangered Species Program](#) of the U.S. Fish & Wildlife Service.

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For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list from the Regulatory Documents section.

[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 either from the Regulatory Documents section in IPaC or from the local field office directly.

The list of species below are those that may occur or could potentially be affected by activities in this location:

Birds

Piping Plover *Charadrius melodus*

Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B079

Ferns and Allies

American Hart's-tongue Fern *Asplenium scolopendrium* var. *americanum*

Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=S000

Mammals

Indiana Bat *Myotis sodalis*

Endangered

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=A000

Northern Long-eared Bat *Myotis septentrionalis*

Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=A0JE

Reptiles

Bog (=muhlenberg) Turtle *Clemmys muhlenbergii*

Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=C048

Eastern Massasauga (=rattlesnake) *Sistrurus catenatus*

Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=C03P

Snails

Chittenango Ovate Amber Snail *Succinea chittenangoensis*

Threatened

CRITICAL HABITAT

No critical habitat has been designated for this species.

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=G00P

Critical Habitats

There are no critical habitats in this location

Migratory Birds

Birds are protected by the [Migratory Bird Treaty Act](#) and the [Bald and Golden Eagle Protection Act](#).

Any activity that results in the take of migratory birds or eagles is prohibited unless authorized by the U.S. Fish & Wildlife Service.^[1] There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

Any person or organization who plans or conducts activities that may result in the take of migratory birds is responsible for complying with the appropriate regulations and implementing appropriate conservation measures.

1. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

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>
- Conservation measures for birds
<http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Year-round bird occurrence data
<http://www.birdscanada.org/birdmon/default/datasummaries.jsp>

The following species of migratory birds could potentially be affected by activities in this location:

American Bittern *Botaurus lentiginosus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B0F3

Bald Eagle *Haliaeetus leucocephalus*

Bird of conservation concern

Season: Year-round

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B008

Black Tern *Chlidonias niger*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B09F

Black-billed Cuckoo *Coccyzus erythrophthalmus*

Bird of conservation concern

Season: Breeding

http://ecos.fws.gov/tess_public/profile/speciesProfile.action?sPCODE=B0H1

Blue-winged Warbler <i>Vermivora pinus</i> Season: Breeding	Bird of conservation concern
Canada Warbler <i>Wilsonia canadensis</i> Season: Breeding	Bird of conservation concern
Cerulean Warbler <i>Dendroica cerulea</i> Season: Breeding http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B09I	Bird of conservation concern
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Least Bittern <i>Ixobrychus exilis</i> Season: Breeding http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B092	
Louisiana Waterthrush <i>Parkesia motacilla</i> Season: Breeding	Bird of conservation concern
Olive-sided Flycatcher <i>Contopus cooperi</i> Season: Breeding http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0AN	Bird of conservation concern
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Pied-billed Grebe <i>Podilymbus podiceps</i> Season: Breeding	Bird of conservation concern
Prairie Warbler <i>Dendroica discolor</i> Season: Breeding	Bird of conservation concern
Red-headed Woodpecker <i>Melanerpes erythrocephalus</i> Season: Breeding	Bird of conservation concern
Short-eared Owl <i>Asio flammeus</i> Season: Wintering http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HD	Bird of conservation concern
Upland Sandpiper <i>Bartramia longicauda</i> Season: Breeding http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0HC	Bird of conservation concern
Willow Flycatcher <i>Empidonax traillii</i> Season: Breeding http://ecos.fws.gov/tess_public/profile/speciesProfile.action?spcode=B0F6	Bird of conservation concern

Wood Thrush *Hylocichla mustelina*

Season: Breeding

Bird of conservation concern

Wildlife refuges and fish hatcheries

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9,907.03 acres

PHONE (315) 568-5987

ADDRESS

3395 Us Route 20 East
Seneca Falls, NY 13148

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Freshwater Emergent Wetland

[PEM1/SS1B](#)

[PEM1/SS1C](#)

[PEM1/SS1E](#)

[PEM1A](#)
[PEM1B](#)
[PEM1C](#)
[PEM1Cd](#)
[PEM1E](#)
[PEM1Ed](#)
[PEM1Eh](#)
[PEM1Ex](#)
[PEM1F](#)
[PEM1Fb](#)
[PEM1Fh](#)
[PEM5/UBH](#)
[PEM5/UBHh](#)
[PEM5Ad](#)
[PEM5E](#)
[PEM5Eh](#)
[PEM5F](#)
[PEMF](#)

Freshwater Forested/shrub Wetland

[PFO1/4E](#)
[PFO1/EM1E](#)
[PFO1/EM5E](#)
[PFO1/SS1E](#)
[PFO1/SS1Eh](#)
[PFO1A](#)
[PFO1B](#)
[PFO1Bd](#)
[PFO1C](#)
[PFO1Ch](#)
[PFO1E](#)
[PFO1Eh](#)
[PFO1F](#)
[PFO4/1B](#)
[PFO4/1E](#)
[PFO4/EM1E](#)
[PFO4/SS1E](#)

[PFO4B](#)
[PFO4C](#)
[PFO4E](#)
[PFO5Fb](#)
[PFO5Fh](#)
[PSS1/4E](#)
[PSS1/EM1A](#)
[PSS1/EM1E](#)
[PSS1/EM1Ed](#)
[PSS1/EM5E](#)
[PSS1/EM5F](#)
[PSS1/FO1E](#)
[PSS1/FO1Ed](#)
[PSS1A](#)
[PSS1B](#)
[PSS1Bd](#)
[PSS1C](#)
[PSS1E](#)
[PSS1Ex](#)
[PSS1F](#)
[PSS1Fb](#)
[PSS1Fh](#)
[PSS3Bah](#)

Freshwater Pond

[PAB/UBHh](#)
[PAB3Hh](#)
[PABF](#)
[PABFh](#)
[PABH](#)
[PABHb](#)
[PABHh](#)
[PABHx](#)
[PUB/EM1F](#)
[PUB/EM1Fb](#)
[PUB/EM1Fh](#)
[PUBF](#)

[PUBFb](#)
[PUBFh](#)
[PUBFx](#)
[PUBH](#)
[PUBHb](#)
[PUBHh](#)
[PUBHx](#)
[PUBKHh](#)

Lake

[L1UBH](#)
[L1UBHx](#)
[L2EM2H](#)
[L2RSJ](#)
[L2UBH](#)
[L2USA](#)

Other

[Pf](#)

Riverine

[R2UBH](#)
[R2UBHx](#)
[R3UBH](#)
[R3USA](#)
[R3USC](#)

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