



**The following state-listed animals have been documented  
in the vicinity of the project site.**

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

**For information about any permit considerations for your project, please contact the Permits staff at the NYSDEC Region 5 Office at [dep.r5@dec.ny.gov](mailto:dep.r5@dec.ny.gov), (518) 623-1286.**

**The following species has been documented within 1/2 mile of the project site near Putnam Station.**

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	FEDERAL LISTING
<b>Birds</b>			
<b>Bald Eagle</b> <i>Breeding</i>	<i>Haliaeetus leucocephalus</i>	Threatened	12657

**The following species has been documented within 1/3 mile of the project site in the Town of Putnam. Individual animals may travel 1.5 miles from documented locations.**

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	FEDERAL LISTING
<b>Reptiles</b>			
<b>Timber Rattlesnake</b>	<i>Crotalus horridus</i>	Threatened	8859

**The following species has been documented in the Town of Dresden within 2.5 miles of the project site and in the Town of Hague within 4 miles of the project site. Individual animals may travel 5 miles from documented locations. The main impact of concern is the cutting or removal of potential roost trees.**

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	FEDERAL LISTING
<b>Mammals</b>			
<b>Northern Long-eared Bat</b> <i>Hibernacula</i>	<i>Myotis septentrionalis</i>	Threatened	Threatened 14206

This report only includes records from the NY Natural Heritage database.

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 listed animals in New York, including habitat, biology, identification, conservation, and management, are available online in Natural Heritage's Conservation Guides at [www.guides.nynhp.org](http://www.guides.nynhp.org), and from NYSDEC at [www.dec.ny.gov/animals/7494.html](http://www.dec.ny.gov/animals/7494.html).



**The following rare plants, rare animals, and significant natural communities  
have been documented at the project site, or in its vicinity.**

We recommend that potential 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 SEQ. Field surveys of the project site may be necessary to determine whether a species currently occurs 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 natural communities are considered significant from a statewide perspective by the NY Natural Heritage Program. Each community is either an example of a community type that is rare in the state, or a high-quality example of a more common community type. By meeting specific, documented criteria, the NY Natural Heritage Program considers these community occurrences to have high ecological and conservation value.

<i>COMMON NAME</i>	<i>SCIENTIFIC NAME</i>	<i>NY STATE LISTING</i>	<i>HERITAGE CONSERVATION STATUS</i>
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#### **Upland/Terrestrial Communities**

##### **Red Cedar Rocky Summit**

High Quality Occurrence of  
Uncommon Community Type

Documented within 100 yards of the project site in the Town of Dresden. Patches occur on either side of Route 22 in the northern portion of the Town of Dresden. This is a relatively small red cedar rocky summit, near its northern limit for this type, in very good condition within a very large, good quality forested landscape.

12930

#### **Wetland/Aquatic Communities**

##### **Deep Emergent Marsh**

High Quality Occurrence of  
Uncommon Community Type

Enormous marsh complex occupying 50% of the upper portion of Lake Champlain with excellent native species diversity and one or more large cores with minimal disturbances, but with several cores with high concentration of invasive exotics.

3049

##### **Silver Maple-Ash Swamp**

High Quality Occurrence of  
Uncommon Community Type

A narrow strip along the west shore of Lake Champlain near Chubbs Dock in the Town of Dresden. Exotics present, but not abundant.

10514

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

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	HERITAGE CONSERVATION STATUS	
<b>Hill's Pondweed</b>	<i>Potamogeton hillii</i>	Threatened	Imperiled in NYS and Globally Uncommon	
Documented at the project site near Route 22 and B Lane near the border between the Towns of Dresden and Putnam. 1999-08-12: A beaver pond and small streamlets with sluggish water and muddy full exposures.				2263
<b>Lake Water Cress</b>	<i>Rorippa aquatica</i>	Threatened	Imperiled in NYS	
Documented within 1/4 mile east of the project site near Dresden. 1987-07-16: Rock piles along lakeward side of the railroad with loads of Trapa. Rocks and the railroad embankment near emergent marsh covered with Trapa.				9495

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](http://www.guides.nynhp.org), from NatureServe Explorer at [www.natureserve.org/explorer](http://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](http://www.guides.nynhp.org). For descriptions of all community types, go to [www.dec.ny.gov/animals/29384.html](http://www.dec.ny.gov/animals/29384.html) for Ecological Communities of New York State.

## NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Fish and Wildlife, New York Natural Heritage Program  
625 Broadway, Fifth Floor, Albany, NY 12233-4757  
P: (518) 402-8935 | F: (518) 402-8925  
[www.dec.ny.gov](http://www.dec.ny.gov)

April 1, 2022

Nicole Frazer  
CHA  
III Winners Circle  
Albany, NY 12205

Re: Champlain Hudson Power Express - Phase 2 - Package 2  
County: Washington    Town/City: Fort Ann, Hartford, Kingsbury

Dear Nicole Frazer:

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 in the 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.

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 NYSDEC Division of Environmental Permits.

Sincerely,



Nicholas Conrad  
Information Resources Coordinator  
New York Natural Heritage Program





## The following state-listed animals have been documented along the Champlain-Hudson Power Express Phase 2 Package 2 alignment.

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

**For information about any permit considerations for the project, contact the NYSDEC Division of Environmental Permits.**

**The following species has been documented at two locations near the project alignment in the Lake Champlain Canal in the Town of Kingsbury.**

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	FEDERAL LISTING
<b>Fish</b>			
<b>Eastern Sand Darter</b>	<i>Ammocrypta pellucida</i>	Threatened	12842
In the Lake Champlain Canal at Smiths Basin and at Lock 9, both within 160 yards of the alignment.			

**The following species has been documented nesting within 1/3 mile of the project alignment.**

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	FEDERAL LISTING
<b>Bald Eagle</b>	<i>Haliaeetus leucocephalus</i>	Threatened	17280
East of the project alignment and south of Smiths Basin and Big Creek, Town of Kingsbury.			

**The following species has been documented breeding along Dike Road about 150 yards from the project alignment, northeast of Dunham Basin in the Town of Kingsbury.**

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	FEDERAL LISTING
<b>Northern Harrier</b> <i>Breeding</i>	<i>Circus hudsonius</i>	Threatened	6447

**The following species have been documented at the Fort Edward Grasslands, a state significant Raptor Winter Concentration Area. The mapped area extends to within 1/3 mile of the project alignment northeast of Dunham Basin in the Town of Kingsbury.**

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	FEDERAL LISTING
<b>Short-eared Owl</b> <i>Wintering</i>	<i>Asio flammeus</i>	Endangered	2444
<b>Northern Harrier</b> <i>Wintering</i>	<i>Circus hudsonius</i>	Threatened	7292

This report only includes records from the NY Natural Heritage database.

Information about many of the listed animals in New York, including habitat, biology, identification, conservation, and management, are available online in Natural Heritage's Conservation Guides at [www.guides.nynhp.org](http://www.guides.nynhp.org), and from NYSDEC at [www.dec.ny.gov/animals/7494.html](http://www.dec.ny.gov/animals/7494.html).



## The following rare animals and significant natural communities have been documented along the Champlain-Hudson Power Express Phase 2 Package 2 alignment.

We recommend that potential 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 SEQR. 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 animals, while not listed by New York State as Endangered or Threatened, are rare in New York and are of conservation concern.

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	HERITAGE CONSERVATION STATUS
<b>Fish</b>			
<b>Bridle Shiner</b>	<i>Notropis bifrenatus</i>	Unlisted	Imperiled in NYS and Globally Uncommon
Comstock, Town of Fort Ann, 2008-08-08: Found adjacent to the project alignment where the alignment abuts the railroad, in an unnamed body of water approximately .6 mile south of Comstock, between US Route 4 and the railroad tracks.			
			15215

### Dragonflies and Damselflies

<b>Umber Shadowdragon</b>	<i>Neurocordulia obsoleta</i>	Unlisted	Critically Imperiled in NYS
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Champlain Canal, Town of Fort Ann, 2009-06-24: Found in the project alignment in the Champlain Canal at Lock 11.

14510

The following natural community is considered significant from a statewide perspective by the NY Natural Heritage Program. As a high-quality example of an uncommon community type, this community occurrence has high ecological and conservation value.

COMMUNITY NAME	HERITAGE CONSERVATION STATUS
<b>Pitch Pine-Oak-Heath Rocky Summit</b>	High Quality Occurrence of Uncommon Community Type

Summit of Curtis Hill, 1/2 mile northeast of the village of Fort Ann, overlooking the project alignment. Moderate-sized undisturbed occurrence surrounded by natural forest, but in a moderately fragmented landscape.

3527

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.

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](http://www.guides.nynhp.org), from NatureServe Explorer at [www.natureserve.org/explorer](http://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](http://www.guides.nynhp.org). For descriptions of all community types, go to [www.dec.ny.gov/animals/97703.html](http://www.dec.ny.gov/animals/97703.html) for Ecological Communities of New York State.

## NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

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[www.dec.ny.gov](http://www.dec.ny.gov)

April 11, 2022

Nicole Frazer  
CHA  
III Winners Circle  
Albany, NY 12205

Re: Champlain Hudson Power Express - Phase 2 - Package 3, Fort Edward to Milton  
County: Saratoga, Washington

Dear Nicole Frazer:

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 along the project alignment or in its vicinity.

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.

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 NYS DEC Division of Environmental Permits.

Sincerely,



Nicholas Conrad  
Information Resources Coordinator  
New York Natural Heritage Program



**The following state-listed animals have been documented along the Champlain-Hudson Power Express Phase 2 Package 3 alignment.**

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

**For information about any permit considerations for the project, contact the NYSDEC Division of Environmental Permits.**

The following species have been documented within .5 mile of the project alignment in many locations in the Town of Wilton and the City of Saratoga Springs.

The first two species have been documented directly along the railroad serving as the route of the alignment between Geyser Road and Geyser Creek in the City of Saratoga Springs.

All three species have been documented directly along the railroad serving as the route of the alignment as it runs through the Saratoga Sand Plains State Wildlife Management Area (Wilton Wildlife Preserve) and its vicinity in Wilton.

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	FEDERAL LISTING
<b>Butterflies</b>			
<b>Karner Blue</b>	<i>Plebejus melissa samuelis</i>	Endangered	Endangered
<b>Frosted Elfin</b>	<i>Callophrys irus</i>	Threatened	
<b>Persius Duskywing</b>	<i>Erynnis persius persius</i>	Endangered	

This report only includes records from the NY Natural Heritage database.

Information about many of the listed animals in New York, including habitat, biology, identification, conservation, and management, are available online in Natural Heritage's Conservation Guides at [www.guides.nynhp.org](http://www.guides.nynhp.org), and from NYSDEC at [www.dec.ny.gov/animals/7494.html](http://www.dec.ny.gov/animals/7494.html).



**The following rare plants, rare animals, and significant natural communities have been documented along the Champlain-Hudson Power Express Phase 2 Package 3 alignment.**

We recommend that potential 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 SEQR. 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.

From Ballard Road to southwest of Edie Road in the Town of Wilton, the project alignment railroad runs through the Saratoga Sand Plains State Wildlife Management Area (Wilton Wildlife Preserve). The following animals and natural communities are documented within .5 mile of the project alignment, either in the Wildlife Management Area or in its vicinity.

The animals in this report, while not listed by New York State as Endangered or Threatened, are rare in New York and are of conservation concern.

The natural communities in this report are considered significant from a statewide perspective by the NY Natural Heritage Program. Each community is either an example of a community type that is rare in the state, or a high-quality example of a more common community type. By meeting specific, documented criteria, the NY Natural Heritage Program considers these community occurrences to have high ecological and conservation value.

A GIS layer of Natural Heritage significant natural communities is available from the NYS GIS Clearinghouse at <http://gis.ny.gov/gisdata/inventories/details.cfm?DSID=1241>.

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	HERITAGE CONSERVATION STATUS
<b>Amphibians</b>			
<b>Eastern Spadefoot</b>	<i>Scaphiopus holbrookii</i>	Special Concern	Imperiled in NYS
2019: The metamorphs were observed in a drying Pine Barrens Vernal Pool with tussock sedge, spirea, and gray birch and adjacent small wooded patches of mixed hardwoods with white oak, red oak, black oak, alder, white pine, and small grassy openings nearby. The soil is sandy and a few smaller vernal pools are present.			12397
<b>Dragonflies and Damselflies</b>			
<b>Lyre-tipped Spreadwing</b>	<i>Lestes unguiculatus</i>	Unlisted	Imperiled in NYS
2008-07-26: Vernal pool complex at Wilton Wildlife Preserve.			14695
<b>Spatterdock Darner</b>	<i>Rhionaeschna mutata</i>	Unlisted	Imperiled in NYS
2010-07-05: Four vernal ponds.			13569

COMMON NAME

HERITAGE CONSERVATION STATUS

**Wetland/Aquatic Communities**

**Pine Barrens Vernal Pond**

High Quality Occurrence of Rare Community Type

A moderate-sized pond system in very good condition within a good to fair landscape that is undergoing positive restoration efforts.

11609

**Vernal Pool**

High Quality Occurrence of Uncommon Community Type

This vernal pool complex is of moderate size and within a well protected, good quality landscape.

13560

**Red Maple-Hardwood Swamp**

High Quality Occurrence of Uncommon Community Type

Adjacent to west side of railroad from Edie Road south for 1/4 mile. This a moderately sized red maple-hardwood swamp in very good condition within a good landscape.

13557

**Red Maple-Hardwood Swamp**

High Quality Occurrence of Uncommon Community Type

This is a relatively small occurrence within a well protected landscape that is undergoing restoration efforts.

13563

**Hemlock-Hardwood Swamp**

High Quality Occurrence of Uncommon Community Type

Miller Swamp: This is a relatively large hemlock-hardwood swamp in good condition within a good quality landscape.

13553

**Upland/Terrestrial Communities**

**Pitch Pine-Scrub Oak Barrens**

High Quality Occurrence of Rare Community Type  
and Globally Rare

The community is relatively small but in good condition within a good to fair landscape that is undergoing positive restoration efforts.

13550

**Successional Northern Sandplain Grassland**

High Quality Occurrence of Uncommon Community Type

Adjacent to railroad on State Wildlife Management Area north and south of Scout Road. This is a relatively small grassland of mostly artificial origin via restoration efforts, but may include remnant patches of natural origin, in a protected, good quality landscape that is under active management. These grasslands may succeed to pitch pine-scrub oak barrens in the future.

13554

**Appalachian Oak-Pine Forest**

High Quality Occurrence

Adjacent to railroad on State Wildlife Management Area north and south of Scout Road, and on private land north of West Lane. This Appalachian oak-pine matrix forest is in good condition and occurs in large patches in the Saratoga Sandplains landscape.

13565

The following plants are listed as Endangered or Threatened by New York State, and are a vulnerable natural resource of conservation concern.

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	HERITAGE CONSERVATION STATUS
<b>Plants</b>			
<b>Goldenseal</b>	<i>Hydrastis canadensis</i>	Threatened	Imperiled in NYS

Documented .2 mile from project alignment between Wilton-Greenfield Town Line and Clinton Street, in a beech-maple mesic forest on a fairly steep, rocky, terraced slope. 2715

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.

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](http://www.guides.nynhp.org).

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](http://www.guides.nynhp.org). For descriptions of all community types, go to [www.dec.ny.gov/animals/97703.html](http://www.dec.ny.gov/animals/97703.html) for Ecological Communities of New York State.

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[www.dec.ny.gov](http://www.dec.ny.gov)

April 15, 2022

Nicole Frazer  
CHA  
III Winners Circle  
Albany, NY 12205

Re: Champlain Hudson Power Express - Phase 2 - Package 4  
County: Saratoga, Schenectady    Town/City: Ballston, Clifton Park, Glenville, Rotterdam

Dear Nicole Frazer:

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 along the project alignment or in its vicinity.

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.

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 NYS DEC Division of Environmental Permits.

Sincerely,



Nicholas Conrad  
Information Resources Coordinator  
New York Natural Heritage Program





**The following state-listed animals have been documented along the Champlain-Hudson Power Express Phase 2 Package 4 alignment.**

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

**For information about any permit considerations for the project, contact the NYSDEC Division of Environmental Permits.**

**The following species has been documented nesting within .2 mile of the project alignment in the Town of Ballston, Saratoga County; and within .5 mile of the project alignment in the Town of Glenville, Schenectady County.**

<i>COMMON NAME</i>	<i>SCIENTIFIC NAME</i>	<i>NY STATE LISTING</i>	<i>FEDERAL LISTING</i>
<b>Birds</b>			
<b>Bald Eagle</b> <i>Breeding</i>	<i>Haliaeetus leucocephalus</i>	Threatened	

This report only includes records from the NY Natural Heritage database.

Information about many of the listed animals in New York, including habitat, biology, identification, conservation, and management, are available online in Natural Heritage's Conservation Guides at [www.guides.nynhp.org](http://www.guides.nynhp.org), and from NYSDEC at [www.dec.ny.gov/animals/7494.html](http://www.dec.ny.gov/animals/7494.html).



**The following rare plants have been documented directly on the Champlain-Hudson Power Express Phase 2 Package 4 alignment.**

We recommend that potential 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 SEQ. 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 plant is listed as Endangered or Threatened by New York State, and so is a vulnerable natural resource of conservation concern.**

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	HERITAGE CONSERVATION STATUS
<b>Side Oats Grama</b>	<i>Bouteloua curtipendula</i> var. <i>curtipendula</i>	Endangered	Imperiled in NYS

Wyatts Riverside Bluffs, including directly on the project alignment where it turns 90 degrees to cross the Mohawk River in the Town of Glenville, Schenectady County, between the railroad tracks and the river, 2005-08-09: This is an area of dry glacial till and calcareous Mohawk conglomerate forming bluffs along the Mohawk River. The banks along the river are very steep with exposed soil and weedy vegetation. The slopes are south-facing and very hot and dry in the sun. On top of the bluffs the land is level with an assortment of roads, railroads, buildings and quarries. The vegetation includes dry roadsides and fields and a few patches of woods.

10558

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.

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](http://www.guides.nynhp.org).

## NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

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April 15, 2022

Nicole Frazer  
CHA  
III Winners Circle  
Albany, NY 12205

Re: Champlain Hudson Power Express - Phase 2 - Package 5  
County: Albany, Schenectady    Town/City: Bethlehem, Guilderland, New Scotland, Rotterdam

Dear Nicole Frazer:

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 along the project alignment or in its vicinity.

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.

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 NYS DEC Division of Environmental Permits.

Sincerely,



Nicholas Conrad  
Information Resources Coordinator  
New York Natural Heritage Program



**The following state-listed animals have been documented along the Champlain-Hudson Power Express Phase 2 Package 5 alignment.**

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

**For information about any permit considerations for the project, contact the NYSDEC Division of Environmental Permits.**

**The following species have been documented breeding within .5 mile of the project alignment.**

<i>COMMON NAME</i>	<i>SCIENTIFIC NAME</i>	<i>NY STATE LISTING</i>	<i>FEDERAL LISTING</i>
<b>Bald Eagle</b> Town of Guliderland, Albany County	<i>Haliaeetus leucocephalus</i>	Threatened	
<b>Least Bittern</b> Towns of Guliderland and New Scotland, Albany County	<i>Ixobrychus exilis</i>	Threatened	

**Throughout most of its route through Albany County, the project alignment is within 5 miles of one or more documented locations of the following species. Individual bats may travel 5 miles from documented locations.**

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

**Part of the project alignment in the Towns of Bethlehem and Coeymans in Albany County is within 2.5 miles of a documented location of the following species. Individual bats may travel 2.5 miles from documented locations.**

<i>COMMON NAME</i>	<i>SCIENTIFIC NAME</i>	<i>NY STATE LISTING</i>	<i>FEDERAL LISTING</i>
<b>Indiana Bat</b> <i>Hibernaculum</i>	<i>Myotis sodalis</i>	Endangered	Endangered

This report only includes records from the NY Natural Heritage database.

Information about many of the listed animals in New York, including habitat, biology, identification, conservation, and management, are available online in Natural Heritage's Conservation Guides at [www.guides.nynhp.org](http://www.guides.nynhp.org), and from NYSDEC at [www.dec.ny.gov/animals/7494.html](http://www.dec.ny.gov/animals/7494.html).



**The following rare plant has been documented along the  
Champlain-Hudson Power Express Phase 2 Package 5 alignment.**

We recommend that potential 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 plant is listed as Endangered or Threatened by New York State, and so is a vulnerable natural resource of conservation concern.**

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	HERITAGE CONSERVATION STATUS
<b>Side Oats Grama</b>	<i>Bouteloua curtipendula</i> var. <i>curtipendula</i>	Endangered	Imperiled in NYS

2718

Rotterdam Sand Springs, east of North Thompson Street, .5 mile east of the project alignment, 2005-08-09: The plants are in an old sand pit with bluffs on the south side curving around on the west side. Limey springs emanate from the base of these bluffs and run through the area forming wetlands that totals just over 12.4 acres. The wetland areas are principally *Phragmites*, but there are openings with large stands of *Equisetum variegatum*. In the sandy areas there is *Equisetum hyemale*, *Populus deltoides*, *Salix* sp., Russian olive, *Schizachyrium scoparium*, *Monarda fistulosa*, *Agalinis tenuiflora*.

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.

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](http://www.guides.nynhp.org).

## NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Fish and Wildlife, New York Natural Heritage Program  
625 Broadway, Fifth Floor, Albany, NY 12233-4757  
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[www.dec.ny.gov](http://www.dec.ny.gov)

April 15, 2022

Nicole Frazer  
CHA  
III Winners Circle  
Albany, NY 12205

Re: Champlain Hudson Power Express - Phase 2 - Package 6  
County: Albany, Greene    Town/City: Athens, Coeymans, Coxsackie, New Baltimore

Dear Nicole Frazer:

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 along the project alignment or in its vicinity.

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.

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 NYS DEC Division of Environmental Permits.

Sincerely,



Nicholas Conrad  
Information Resources Coordinator  
New York Natural Heritage Program



**The following state-listed animals have been documented along the Champlain-Hudson Power Express Phase 2 Package 6 alignment.**

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

**For information about any permit considerations for the project, contact the NYSDEC Division of Environmental Permits.**

**For most of its route in the Town of Coxsackie, Greene County, the project alignment runs through the Coxsackie Flats, a state-significant Raptor Winter Concentration Area. The following birds have been documented wintering at Coxsackie Flats.**

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	FEDERAL LISTING	
<b>Short-eared Owl</b> <i>Wintering</i>	<i>Asio flammeus</i>	Endangered		11089
<b>Northern Harrier</b> <i>Wintering</i>	<i>Circus hudsonius</i>	Threatened		11128

**The following species have been documented breeding near the project alignment.**

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	FEDERAL LISTING	
<b>King Rail</b> Town of Coxsackie, Greene County, within 1/3 mile of alignment.	<i>Rallus elegans</i>	Threatened		15434
<b>Bald Eagle</b> Town of Catskill, Greene County, within 3/4 mile of alignment.	<i>Haliaeetus leucocephalus</i>	Threatened		7092

**Part of the project alignment in the Towns of Athens and Catskill in Greene County is within 5 miles of a documented location of the following species. Individual bats may travel 5 miles from documented locations.**

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	FEDERAL LISTING	
<b>Northern Long-eared Bat</b> <i>Hibernaculum</i>	<i>Myotis septentrionalis</i>	Threatened	Threatened	14216

**Part of the project alignment in the Towns of Bethlehem and Coeymans in Albany County is within 2.5 miles of a documented location of the following species. Individual bats may travel 2.5 miles from documented locations.**

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	FEDERAL LISTING	
<b>Indiana Bat</b> <i>Hibernaculum</i>	<i>Myotis sodalis</i>	Endangered	Endangered	13608



**The following rare plant has been documented near the  
Champlain-Hudson Power Express Phase 2 Package 6 alignment.**

We recommend that potential 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 plant is listed as Endangered or Threatened by New York State, and so is a vulnerable natural resource of conservation concern.**

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	HERITAGE CONSERVATION STATUS
<b>Stiff Flat-topped Goldenrod</b>	<i>Solidago rigida</i> var. <i>rigida</i>	Threatened	Imperiled in NYS

West Athens, large area from .2 to .5 mile west of project alignment, north and east of junction of County Route 28 (Schoharie Turnpike) and NY Route 9W, and east of a powerline, Town of Athens, Greene County, 2005-09-14: An old field, dominated by shrubs and herbs. Mostly flat, with wet and dry sections. Some purple loosestrife is invading in the wet areas. The area is dominated by *Aster dumosus* in October.

818

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.

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](http://www.guides.nynhp.org).



## NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

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April 15, 2022

Nicole Frazer  
CHA  
III Winners Circle  
Albany, NY 12205

Re: Champlain Hudson Power Express - Phase 2 - Package 7  
County: Greene    Town/City: Catskill

Dear Nicole Frazer:

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 along the project alignment or in its vicinity.

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.

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 NYS DEC Division of Environmental Permits.

Sincerely,



Nicholas Conrad  
Information Resources Coordinator  
New York Natural Heritage Program



**The following state-listed animals have been documented along the Champlain-Hudson Power Express Phase 2 Package 7 alignment.**

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

**For information about any permit considerations for the project, contact the NYSDEC Division of Environmental Permits.**

**The following species has been documented nesting at several locations in the Town of Catskill from .25 mile to one mile from the project alignment.**

<i>COMMON NAME</i>	<i>SCIENTIFIC NAME</i>	<i>NY STATE LISTING</i>	<i>FEDERAL LISTING</i>
<b>Bald Eagle</b> <i>Breeding</i>	<i>Haliaeetus leucocephalus</i>	Threatened	

**Part of the project alignment in the Towns of Athens and Catskill in Greene County is within 5 miles of a documented location of the following species. Individual bats may travel 5 miles from documented locations.**

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

**The following species are found in the Hudson River, including at the southern terminus of this package of the project alignment.**

<i>COMMON NAME</i>	<i>SCIENTIFIC NAME</i>	<i>NY STATE LISTING</i>	<i>FEDERAL LISTING</i>
<b>Shortnose Sturgeon</b>	<i>Acipenser brevirostrum</i>	Endangered	Endangered
<b>Atlantic Sturgeon</b>	<i>Acipenser oxyrinchus</i>	No Open Season	Endangered

This report only includes records from the NY Natural Heritage database.

Information about many of the listed animals in New York, including habitat, biology, identification, conservation, and management, are available online in Natural Heritage's Conservation Guides at [www.guides.nynhp.org](http://www.guides.nynhp.org), and from NYSDEC at [www.dec.ny.gov/animals/7494.html](http://www.dec.ny.gov/animals/7494.html).

## NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

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April 22, 2022

Nicole Frazer  
CHA  
III Winners Circle  
Albany, NY 12205

Re: Champlain Hudson Power Express - Phase 2 - Package 7a  
County: Rockland Town/City: Clarkstown, Haverstraw, Stony Point

Dear Nicole Frazer:

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 along the project alignment or in its vicinity.

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.

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 NYS DEC Division of Environmental Permits.

Sincerely,



Nicholas Conrad  
Information Resources Coordinator  
New York Natural Heritage Program



**The following state-listed animals have been documented along the Champlain-Hudson Power Express Phase 2 Package 7a alignment.**

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

**For more information, including any permit considerations for the project, contact the NYSDEC Division of Environmental Permits.**

**The following species has been documented nesting within one mile of the project alignment, or closer, in several locations in the Towns of Stony Point, Haverstraw, and Clarkstown.**

<i>COMMON NAME</i>	<i>SCIENTIFIC NAME</i>	<i>NY STATE LISTING</i>	<i>FEDERAL LISTING</i>
<b>Bald Eagle</b>	<i>Haliaeetus leucocephalus</i>	Threatened	

Nesting within 125 yards of the project alignment in the Town of Stony Point.

Nesting within one mile of the project alignment in the Town of Haverstraw.

Nesting within 1/4 mile of the project alignment in the Town of Clarkstown, and within 200 yards of the southern entry of the alignment into the Hudson River.

Stony Point and the adjacent Hudson River are documented regular locations for wintering bald eagles.

**The following species have been documented in the Hudson River, at both ends of the project alignment.**

<i>COMMON NAME</i>	<i>SCIENTIFIC NAME</i>	<i>NY STATE LISTING</i>	<i>FEDERAL LISTING</i>
<b>Shortnose Sturgeon</b>	<i>Acipenser brevirostrum</i>	Endangered	Endangered
<b>Atlantic Sturgeon</b>	<i>Acipenser oxyrinchus</i>	No Open Season	Endangered

This stretch of the Hudson River has also been documented as supporting overwintering juvenile shortnose sturgeon.

This report only includes records from the NY Natural Heritage database.

Information about many of the listed animals in New York, including habitat, biology, identification, conservation, and management, are available online in Natural Heritage's Conservation Guides at [www.guides.nynhp.org](http://www.guides.nynhp.org), and from NYSDEC at [www.dec.ny.gov/animals/7494.html](http://www.dec.ny.gov/animals/7494.html).



## The following rare plants and significant natural communities have been documented along the Champlain-Hudson Power Express Phase 2 Package 7a alignment.

We recommend that potential 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 SEQ. 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 are a vulnerable natural resource of conservation concern.

The following natural communities are considered significant from a statewide perspective by the NY Natural Heritage Program. Each community is either an example of a community type that is rare in the state, or a high-quality example of a more common community type. By meeting specific, documented criteria, the NY Natural Heritage Program considers these community occurrences to have high ecological and conservation value.

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	HERITAGE CONSERVATION STATUS
<b>Oak-Tulip Tree Forest</b>			Rare Community Type
<p>Adjacent to the project alignment south from the intersection of NYS Routes 9W and 303 in the Town of Clarkstown; then when the project alignment turns sharply from the road, it crosses through parts of the forest at it heads to the Hudson River, and the forest occupies the river shore at the alignment's entry to the river. This is a mature forest of moderate size with several nice, large tree patches within a roughly 1600 acre natural area (not including the adjacent river) along the west bank of the lower Hudson River.</p>			
			3150
<p>The following natural community and rare plants occur at High Tor State Park on the ridge overlooking the project alignment.</p>			
<b>Rocky Summit Grassland</b>			High Quality Occurrence of Rare Community Type
<p>High Tor: Very diverse, good native species composition and moderate impact from trails. This occurrence is comprised of many small patches, regularly spaced along a diabase (traprock) ridgeline. There are few exotics. The landscape is relatively mature and in good condition.</p>			
			9782
<b>Basil Mountain Mint</b>	<i>Pycnanthemum clinopodioides</i>	Endangered	Critically Imperiled in NYS and Globally Rare
<p>High Tor, 2011-08-18: The plants are found on a south-facing slope in a rocky summit grassland and Appalachian oak-hickory forest (growing mainly in the woodland) on trapp rock in the Palisades.</p>			
			5186
<b>Torrey's Mountain Mint</b>	<i>Pycnanthemum torreyi</i>	Endangered	Critically Imperiled in NYS and Globally Rare
<p>High Tor, 2011-08-18: The plants are found on a south-facing slope in a rocky summit grassland and Appalachian oak-hickory forest (growing mainly in the woodland) on trapp rock in the Palisades.</p>			
			5134

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.

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](http://www.guides.nynhp.org), from NatureServe Explorer at [www.natureserve.org/explorer](http://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](http://www.guides.nynhp.org). For descriptions of all community types, go to [www.dec.ny.gov/animals/97703.html](http://www.dec.ny.gov/animals/97703.html) for Ecological Communities of New York State.

## NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

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April 22, 2022

Nicole Frazer  
CHA  
III Winners Circle  
Albany, NY 12205

Re: Champlain Hudson Power Express - Phase 2 - Package 8  
County: Bronx, Queens    Town/City: City Of New York

Dear Nicole Frazer:

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

We have no records of rare or state-listed animals or plants, or significant natural communities directly on the project alignment.

Within .5 mile of the project alignment in Bronx County is a documented nesting location of **Peregrine Falcon** (*Falco peregrinus*, NYS-listed as Endangered). For information about any permit considerations for your project, please contact the NYSDEC Division of Environmental Permits.

For most sites, comprehensive field surveys have not been conducted. We cannot provide a definitive statement on 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 resources may be required to fully assess impacts on biological resources.

For information regarding other permits that may be required under state law for regulated areas or activities (e.g., regulated wetlands), please contact the NYSDEC Division of Environmental Permits.

Sincerely,



Nicholas Conrad  
Information Resources Coordinator  
New York Natural Heritage Program

## **Attachment 3**

### Summary of RTE Species and Significant Natural Communities Along Project Corridor



RTE Wildlife Species Documented along Project Corridor																				
Species	NYSDEC Mapped ESA #	Status	Overland Segments of Project Corridor																Suitable Habitat Present within LOW	AMM Measures
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Source		
Monarch Butterfly		Fed-Candidate	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	USFWS Official Species Lists	All Segments	None required under Section 7 ESA.
Bald Eagle	ESA 1	NYS-T, Fed-MBT	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	NYSDEC Mapping; NYNHP Letters; USFWS Official Species List	Segments 1, 2, 7, 8, 9, 10, 11, and 12	See Section 9.3 of the relevant EM&CPs.
Northern Long-eared Bat	ESA 9	NYS-T Fed-T	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	NYNHP Letter; USFWS Official Species List; NYNHP Mapping	Segments 1, 2, 3, 8, 9, 10, and 11	See Section 9.3 of the relevant EM&CPs.
Timber Rattlesnake	ESA 14	NYS-T	Yes	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	NYSDEC Mapping; NYNHP Letters	Segments 1 and 3	See Section 9.3 of the relevant EM&CPs.
Eastern Sand Darter	ESA 2	NYS-T	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	NYSDEC Mapping; NYNHP Letters	None	100% Avoidance
Bridle Shiner		NYS-Unlisted, Imperiled in NYS	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	NYNHP letter	None	100% Avoidance
Umber Shadowdragon		NYS-Unlisted, Imperiled in NYS	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	NYNHP letter	None	100% Avoidance
Short-eared Owl	ESA 12	NYS-E	No	No	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	NYSDEC Mapping; NYNHP Letters	Segment 10	See Section 9.3 of the

**REDACTED**

RTE Wildlife Species Documented along Project Corridor																				
Species	NYSDEC Mapped ESA #	Status	Overland Segments of Project Corridor															Suitable Habitat Present within LOW	AMM Measures	
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15			Source
																				relevant EM&CPs.
Northern Harrier	ESA 8	NYS-T	No	No	Yes	No	No	No	No	No	No	Yes	No	No	No	No	No	NYSDEC Mapping; NYNHP Letters	Segment 10	See Section 9.3 of the relevant EM&CPs.
Karner Blue Butterfly	ESA 5	NYS-E Fed-E	No	No	No	Yes	Yes	No	Yes	Yes	No	No	No	No	No	No	No	NYSDEC Mapping; NYNHP Letters; USFWS Official Species List	Segments 4 and 5	See Section 9.3 of the relevant EM&CPs.
Frosted Elfin	ESA 3	NYS-T	No	No	No	Yes	Yes	No	No	No	No	No	No	No	No	No	No	NYSDEC Mapping; NYNHP Letters; USFWS Official Species List	Segments 4 and 5	See Section 9.3 of the relevant EM&CPs.
Persius Duskywing	ESA 11	NYS-E	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	NYSDEC Mapping; NYNHP Letters	Segment 4	See Section 9.3 of the relevant EM&CPs.
Eastern Spadefoot		NYS-SC	No	No	No	Yes	Yes	No	No	No	No	No	No	No	No	No	No	NYNHP letter	None	100% Avoidance
Lyre-tipped Spreadwing		NYS-Unlisted, Imperiled in NYS	No	No	No	Yes	Yes	No	No	No	No	No	No	No	No	No	No	NYNHP letter	None	100% Avoidance
Spatterdock Darner		NYS-Unlisted, Imperiled in NYS	No	No	No	Yes	Yes	No	No	No	No	No	No	No	No	No	No	NYNHP letter	None	100% Avoidance

**REDACTED**

RTE Wildlife Species Documented along Project Corridor																				
Species	NYSDEC Mapped ESA #	Status	Overland Segments of Project Corridor																Suitable Habitat Present within LOW	AMM Measures
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Source		
Indiana Bat	ESA 4	NYS-EFed-E	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	No	No	No	No	NYSDEC Mapping; NYNHP Letters; USFWS Official Species List	Segments 9 and 10	See Section 9.3 of the relevant EM&CPs.
Least Bittern	ESA 7	NYS-T	No	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	NYSDEC Mapping; NYNHP Letters	None	100% Avoidance
King Rail	ESA 6	NYS-T	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	NYSDEC Mapping; NYNHP Letters	None	100% Avoidance
Shortnose Sturgeon	ESA 13	NYS-E Fed-E	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No	No	No	NYSDEC Mapping; NYNHP Letters	None	100% Avoidance
Atlantic Sturgeon		NYS-Protected Fed-E	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No	No	No	NYNHP letter	None	100% Avoidance
Peregrine Falcon	ESA 10	NYS-E	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	Yes	NYSDEC Mapping; NYNHP Letters	None	100% Avoidance
Piping Plover		Fed-T, NYS -T	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	Yes	USFWS Official Species List	None	100% Avoidance
Red Knot		Fed-T, NYS -T	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	Yes	USFWS Official Species List	None	100% Avoidance
Roseate Tern		Fed-E, NYS-E	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	Yes	USFWS Official Species List	None	100% Avoidance
Loggerhead Sea Turtle		Fed-T, NYS-T	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	NMFS Section 7 ESA Mapper	None	HDD and ESC
Kemp's Ridley Sea Turtle		Fed-E, NYS-E	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	NMFS Section 7 ESA Mapper	None	HDD and ESC
Green Sea Turtle		Fed-T, NYS-T	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	NMFS Section 7 ESA Mapper	None	HDD and ESC
Leatherback Sea Turtle		Fed-E, NYS-E	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	NMFS Section 7 ESA Mapper	None	HDD and ESC

RTE Plant Species Documented Along Project Corridor																			
Species	Status	Overland Segments of Project Corridor																Suitable Habitat Present within LOW	AMM Measures
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Source		
<b>Hill's Pondweed</b>	NYS-T	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	NYNHP letter	Segment 1	See Section 9.3 of the relevant EM&CP.
<b>Lake Water Cress</b>	NYS-T	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	NYNHP letter	No	100% Avoidance
<b>Goldenseal</b>	NYS-T	No	No	No	Yes	Yes	No	No	No	No	No	No	No	No	No	No	NYNHP letter	No	100% Avoidance
<b>Side Oats Grama</b>	NYS-E	No	No	No	No	No	Yes	Yes	No	No	No	No	No	No	No	No	NYNHP letter	Segments 6 and 7	Avoidance via HDD. See Section 9.3 of the relevant EM&CP.
<b>Stiff Flat-topped Goldenrod</b>	NYS-T	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	NYNHP letter	None	100% Avoidance
<b>Basil Mountain Mint</b>	NYS-E	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	NYNHP letter	None	100% Avoidance
<b>Torrey's Mountain Mint</b>	NYS-E	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	NYNHP letter	None	100% Avoidance
<b>Seabeach Amaranth</b>	Fed-T NYS-T	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	Yes	USFWS IpaC Official Species List	None	100% Avoidance

Significant Natural Communities Documented Along Project Corridor																		
Community	Overland Segments of the Project Corridor																Suitable Habitat Present Within LOW	AMM Measures
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Source		
<b>Red Cedar Rocky Summit</b>	Yes	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	NYNHP letter	None	100% Avoidance
<b>Deep emergent Marsh</b>	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	NYNHP letter	Segment 1	See Section 9.3 of the relevant EM&CP.
<b>Silver Maple-Ash Swamp</b>	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	NYNHP letter	Segment 1	See Section 9.3 of the relevant EM&CP.
<b>Pitch Pine- Oak-Heath Rocky Summit</b>	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	NYNHP letter	None	100% Avoidance
<b>Pine Barrens Vernal Pond</b>	No	No	No	Yes	Yes	No	No	No	No	No	No	No	No	No	No	NYNHP letter	None	100% Avoidance
<b>Vernal Pool</b>	No	No	No	Yes	Yes	No	No	No	No	No	No	No	No	No	No	NYNHP letter	None	100% Avoidance
<b>Red Maple-Hardwood Swamp</b>	No	No	No	Yes	Yes	No	No	No	No	No	No	No	No	No	No	NYNHP letter	Segments 4 and 5	See Section 9.3 of the relevant EM&CP.
<b>Hemlock-Hardwood Swamp</b>	No	No	No	Yes	Yes	No	No	No	No	No	No	No	No	No	No	NYNHP letter	None	100% Avoidance
<b>Pitch Pine-Scrub Oak Barrens</b>	No	No	No	Yes	Yes	No	No	No	No	No	No	No	No	No	No	NYNHP letter	None	100% Avoidance
<b>Successional Northern Sandplain Grassland</b>	No	No	No	Yes	Yes	No	No	No	No	No	No	No	No	No	No	NYNHP letter	Segments 4 and 5	See Section 9.3 of the relevant EM&CP.
<b>Appalachian Oak-Pine Forest</b>	No	No	No	Yes	Yes	No	No	No	No	No	No	No	No	No	No	NYNHP letter	Segments 4 and 5	See Section 9.3 of the relevant EM&CP.
<b>Oak-Tulip Tree Forest</b>	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	NYNHP letter	None	100% Avoidance
<b>Rocky Summit Grassland</b>	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	NYNHP letter	None	100% Avoidance