

Full Environmental Assessment Form Part 1

One Monument Square

River Street, City of Troy
Rensselaer County, New York

March 14, 2022



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PROJECT DESCRIPTION

PROJECT NARRATIVE

Introduction

1 Monument Sq LLC (herein, the “Applicant”) is the selected developer undertaking the proposed redevelopment of One Monument Square, which is owned by the City of Troy (the “City”) and the location of Troy’s former City Hall. The Applicant, the City and Troy Local Development Corporation (“TLDC”) have entered into a Land Development Agreement with License and Exclusive Option, dated as of July 27, 2020 (the “LDA”), wherein the Applicant has been provided an exclusive option and joinder rights to develop a project that will include the following major components:

- 1) A mixed use commercial and residential facility comprised of 92 residential apartment units within approximately 123,000 square feet (103,000 sf of residential building space and approximately 20,000 sf of commercial spaces), all of which will be situated within an elevated condominium unit to be financed, constructed and owned by the Applicant; and
- 2) A publicly owned multi-level parking facility containing approximately 115 spaces, along with certain public amenities and infrastructure improvements which include riverfront access, public promenade improvements, landscaping, lighting, and open spaces to be contained within a ground level condominium unit to be financed, constructed and owned by TLDC and leased to the City. The centerpiece of this project component will feature a public plaza and park space that would cover an area of 21,470 square feet and include seating spaces, landscaping treatments and spaces to view the adjacent Hudson River.

The existing One Monument Square site is comprised of approximately 1.57 acres fronting on River Street, straddling Front Street and runs adjacent to the Hudson River. The development parcel defined within the LDA comprises approximately 1.19 acre, with an approximately 50 foot promenade along the Hudson River waterfront to be retained by the City and merged into the City’s Riverfront Park. The subject tax parcels include 101.53-1-1, 100.60-1-2 and a portion of parcel 101.45-5-1.1. The current site conditions present a vacant parcel containing some remnant structural walls resulting from the demolition of the former City Hall. The City is currently constructing preliminary infrastructure and utility upgrades and replacements in kind to prepare for redevelopment and bring the site into shovel-ready condition.

The following permits/approvals are anticipated for the proposed project. It is assumed that the City of Troy Planning Commission will serve as Lead Agency for the proposed project.

Involved Agencies	Permit/Approval
City of Troy Planning Commission	Site Plan Approval and Lead Agency for SEQRA Review
City of Troy	Land Disposition to TLDC, partial abandonment of Front Street within site, leasing of lower condominium unit from TLDC, reservation of certain easements, grant of licenses to Applicant and TLDC for construction activities in city-owned spaces,

Involved Agencies	Permit/Approval
	and certain Project funding approvals. Building Permit and Water/Sewer review.
Troy Local Development Corporation	Land acquisition, disposition of upper condominium unit to Applicant, leasing of lower condominium unit to City, finance and construction of lower condominium unit
Troy Industrial Development Authority	IDA Straight-Lease Transaction with PILOT Agreement and other tax exemptions for Applicant
Rensselaer County Planning	GML 239-m Review
Rensselaer County Department of Health	Public Water Supply Approval
Rensselaer County Department of Health	Public Sewer System Tie-in Approval
NYS Department of Environmental Conservation (NYSDEC)	NYSDEC GP-0-20-001 (Stormwater)
NYS Office of Parks, Recreation and Historic Preservation (OPRHP)	Project review/consultation
New York State Department of State	Project Grant Funding
New York State Attorney General Office	Condominium
Empire State Development Corporation	Project Grant Funding
Northern Borders Regional Commission	Funding
Interested Agencies	
New York State Canal Corporation	Interested Agency
US Army Corps of Engineers	Interested Agency
City of Watervliet	Interested Agency
Village of Green Island	Interested Agency

The FEAFF was completed utilizing the NYSDEC EAF Mapper. The EAF Mapper tool sometimes indicates limited availability for certain digital data. Further project details are provided in the "Endnotes" section of this document for clarification of, or reference information used in the response.

FULL ENVIRONMENTAL ASSESSMENT FORM (FEAF) PART 1 WITH ENDNOTES

Full Environmental Assessment Form
Part 1 - Project and Setting

Instructions for Completing Part 1

Part 1 is to be completed by the applicant or project sponsor. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either "Yes" or "No". If the answer to the initial question is "Yes", complete the sub-questions that follow. If the answer to the initial question is "No", proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the applicant or project sponsor to verify that the information contained in Part 1 is accurate and complete.

A. Project and Applicant/Sponsor Information.

Name of Action or Project: One Monument Square		
Project Location (describe, and attach a general location map): See Endnote 1 and Figures 1 and 2 One Monument Square - River Street, City of Troy, Rensselaer County, NY (Tax Parcels: 101.53-1-1, 100.60-1-2, portion of 101.45-5-1.1)		
Brief Description of Proposed Action (include purpose or need): <p>1 Monument Sq LLC (herein, the "Applicant") is the selected developer undertaking the proposed redevelopment of One Monument Square, which is owned by the City of Troy (the "City") and the location of Troy's former City Hall. The Applicant, the City and Troy Local Development Corporation ("TLDC") have entered into a Land Development Agreement with License and Exclusive Option, dated as of July 27, 2020 (the "LDA"), wherein the Applicant has been provided an exclusive option and joinder rights to develop a project that will include the following major components:</p> <p>1) A mixed use commercial and residential facility comprised of 92 residential apartment units within approximately 123,000 square feet (103,000 sf of residential building space and approximately 20,000 sf of commercial spaces); and</p> <p>2) A publicly owned multi-level parking facility containing approximately 115 spaces, along with certain public amenities and infrastructure improvements which include riverfront access, public promenade improvements, landscaping, lighting, and open spaces to be contained within a ground level condominium unit to be financed, constructed and owned by TLDC and leased to the City. The project will feature a public plaza and park space that would cover an area of 21,470 square feet and include seating spaces, landscaping treatments and spaces to view the adjacent Hudson River.</p>		
Name of Applicant/Sponsor: 1 Monument Sq LLC		Telephone: 518-542-1245 E-Mail: sgupta@hbrownstone.com
Address: 41 Sarazen Street		
City/PO: Saratoga Springs		State: NY Zip Code: 12866
Project Contact (if not same as sponsor; give name and title/role):		Telephone: E-Mail:
Address:		
City/PO:		State: Zip Code:
Property Owner (if not same as sponsor): City of Troy		Telephone: (518) 279-7156 E-Mail:
Address: 433 River Street, Suite 5001		
City/PO: Troy		State: NY Zip Code: 12180

B. Government Approvals

B. Government Approvals, Funding, or Sponsorship. (“Funding” includes grants, loans, tax relief, and any other forms of financial assistance.)		
Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Counsel, Town Board, <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No or Village Board of Trustees	City of Troy	
b. City, Town or Village <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Planning Board or Commission	Site Plan Approval, City of Troy Planning Commission	Spring 2022
c. City, Town or <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Village Zoning Board of Appeals	City of Troy Board of Zoning Appeals	Spring 2022
d. Other local agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Troy Local Development Corp., Troy Industrial Development Authority	Spring 2022
e. County agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Rensselaer County - Water/Sewer Connections, 239m Review	Spring 2022
f. Regional agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	See Narrative	
g. State agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	See Narrative	
h. Federal agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	See Narrative	
i. Coastal Resources.		
i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
iii. Is the project site within a Coastal Erosion Hazard Area?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

C. Planning and Zoning

C.1. Planning and zoning actions.	See Endnote 2
Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
• If Yes , complete sections C, F and G.	
• If No , proceed to question C.2 and complete all remaining sections and questions in Part 1	
C.2. Adopted land use plans.	
a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway; Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If Yes, identify the plan(s): NYS Heritage Areas:Hudson-Mohawk	
c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes, identify the plan(s):	

C.3. Zoning

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. Yes No

If Yes, what is the zoning classification(s) including any applicable overlay district?

B4, Central Commercial Zoning District

b. Is the use permitted or allowed by a special or conditional use permit? Yes No

c. Is a zoning change requested as part of the proposed action? Yes No

If Yes,

i. What is the proposed new zoning for the site? _____

C.4. Existing community services.

a. In what school district is the project site located? City of Troy School District

b. What police or other public protection forces serve the project site?

City of Troy Police Department

c. Which fire protection and emergency medical services serve the project site?

City of Troy Fire Department

d. What parks serve the project site?

Troy Riverfront Park

D. Project Details

D.1. Proposed and Potential Development

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? Mixed Use - Residential and Commercial

b. a. Total acreage of the site of the proposed action? 1.95 acres

b. Total acreage to be physically disturbed? 1.88 acres

c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 1.95 acres

c. Is the proposed action an expansion of an existing project or use? Yes No

i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % _____ Units: _____

d. Is the proposed action a subdivision, or does it include a subdivision? Yes No

If Yes,

i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)

Subdivision included for lot consolidation and lot line adjustments - portion of parcel land to be added to Riverfront Park tax parcel

ii. Is a cluster/conservation layout proposed? Yes No

iii. Number of lots proposed? _____

iv. Minimum and maximum proposed lot sizes? Minimum _____ Maximum _____

e. Will the proposed action be constructed in multiple phases? Yes No

i. If No, anticipated period of construction: 36 months

ii. If Yes:

- Total number of phases anticipated _____
- Anticipated commencement date of phase 1 (including demolition) _____ month _____ year
- Anticipated completion date of final phase _____ month _____ year
- Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____

f. Does the project include new residential uses?

Yes No

If Yes, show numbers of units proposed.

One Family

Two Family

Three Family

Multiple Family (four or more)

Initial Phase

At completion

92

g. Does the proposed action include new non-residential construction (including expansions)?

Yes No

If Yes, **Information stated below is for total building size (residential and commercial)**

i. Total number of structures 1

ii. Dimensions (in feet) of largest proposed structure: 89.4 ft height; 131 ft width; and 242 ft length

iii. Approximate extent of building space to be heated or cooled: 123,000 square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage?

Yes No

If Yes,

i. Purpose of the impoundment: _____

ii. If a water impoundment, the principal source of the water: Ground water Surface water streams Other specify: _____

iii. If other than water, identify the type of impounded/contained liquids and their source.

iv. Approximate size of the proposed impoundment. Volume: _____ million gallons; surface area: _____ acres

v. Dimensions of the proposed dam or impounding structure: _____ height; _____ length

vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete):

D.2. Project Operations

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? Yes No

(Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite)

If Yes:

i. What is the purpose of the excavation or dredging? _____

ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?

• Volume (specify tons or cubic yards): _____

• Over what duration of time? _____

iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.

iv. Will there be onsite dewatering or processing of excavated materials? Yes No

If yes, describe. _____

v. What is the total area to be dredged or excavated? _____ acres

vi. What is the maximum area to be worked at any one time? _____ acres

vii. What would be the maximum depth of excavation or dredging? _____ feet

viii. Will the excavation require blasting? Yes No

ix. Summarize site reclamation goals and plan:

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area?

Yes No

If Yes:

i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description):

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:

iii. Will the proposed action cause or result in disturbance to bottom sediments? Yes No

If Yes, describe: _____

iv. Will the proposed action cause or result in the destruction or removal of aquatic vegetation? Yes No

If Yes:

- acres of aquatic vegetation proposed to be removed: _____
- expected acreage of aquatic vegetation remaining after project completion: _____
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): _____

- proposed method of plant removal: _____
- if chemical/herbicide treatment will be used, specify product(s): _____

v. Describe any proposed reclamation/mitigation following disturbance: _____

c. Will the proposed action use, or create a new demand for water? See Endnote 3 Yes No

If Yes:

i. Total anticipated water usage/demand per day: ~18,640 +/- gallons/day

ii. Will the proposed action obtain water from an existing public water supply? Yes No

If Yes:

- Name of district or service area: City of Troy Water Department
- Does the existing public water supply have capacity to serve the proposal? Yes No
- Is the project site in the existing district? Yes No
- Is expansion of the district needed? Yes No
- Do existing lines serve the project site? Yes No

iii. Will line extension within an existing district be necessary to supply the project?

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____
- Source(s) of supply for the district: _____

iv. Is a new water supply district or service area proposed to be formed to serve the project site? Yes No

If Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- Proposed source(s) of supply for new district: _____

v. If a public water supply will not be used, describe plans to provide water supply for the project: _____

vi. If water supply will be from wells (public or private), what is the maximum pumping capacity: _____ gallons/minute.

d. Will the proposed action generate liquid wastes? See Endnote 3 Yes No

If Yes:

i. Total anticipated liquid waste generation per day: ~ 18,640 +/- gallons/day

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): _____

Sanitary Wastewater

iii. Will the proposed action use any existing public wastewater treatment facilities? Yes No

If Yes:

- Name of wastewater treatment plant to be used: Rensselaer County Wastewater Treatment Plant
- Name of district: Rensselaer County Sewer District
- Does the existing wastewater treatment plant have capacity to serve the project? Yes No
- Is the project site in the existing district? Yes No
- Is expansion of the district needed? Yes No

<ul style="list-style-type: none"> Do existing sewer lines serve the project site? Will a line extension within an existing district be necessary to serve the project? 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes:	
<ul style="list-style-type: none"> Describe extensions or capacity expansions proposed to serve this project: _____ 	
iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If Yes:	
<ul style="list-style-type: none"> Applicant/sponsor for new district: _____ Date application submitted or anticipated: _____ What is the receiving water for the wastewater discharge? _____ 	
v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge or describe subsurface disposal plans): _____	
vi. Describe any plans or designs to capture, recycle or reuse liquid waste: _____ _____	
e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>See Endnote 6</i>	
If Yes:	
<ol style="list-style-type: none"> How much impervious surface will the project create in relation to total size of project parcel? _____ Square feet or <u>1.35</u> acres (impervious surface) _____ Square feet or <u>1.57</u> acres (parcel size) 	
<ol style="list-style-type: none"> Describe types of new point sources. <u>Walkways and impervious surfaces from the building and plaza - The site is currently vacant urban land as it was the location of the former Troy City Hall, which was demolished.</u> 	
<ol style="list-style-type: none"> Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)? <u>Stormwater runoff will be directed to on-site stormwater management structures, and connected to existing City drainage system.</u> 	
<ul style="list-style-type: none"> If to surface waters, identify receiving water bodies or wetlands: _____ _____ 	
<ul style="list-style-type: none"> Will stormwater runoff flow to adjacent properties? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 	
iv. Does the proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
If Yes, identify:	
<ol style="list-style-type: none"> Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles) 	
<ol style="list-style-type: none"> Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers) <u>Temporary sources during construction.</u> 	
<ol style="list-style-type: none"> Stationary sources during operations (e.g., process emissions, large boilers, electric generation) 	
g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If Yes:	
<ol style="list-style-type: none"> Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) <input type="checkbox"/> Yes <input type="checkbox"/> No 	
<ol style="list-style-type: none"> In addition to emissions as calculated in the application, the project will generate: <ul style="list-style-type: none"> _____ Tons/year (short tons) of Carbon Dioxide (CO₂) _____ Tons/year (short tons) of Nitrous Oxide (N₂O) _____ Tons/year (short tons) of Perfluorocarbons (PFCs) _____ Tons/year (short tons) of Sulfur Hexafluoride (SF₆) _____ Tons/year (short tons) of Carbon Dioxide equivalent of Hydrofluorocarbons (HFCs) _____ Tons/year (short tons) of Hazardous Air Pollutants (HAPs) 	

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes:	
i. Estimate methane generation in tons/year (metric): _____	
ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____	
i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations?	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust): _____ _____	
j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services? See Endnote 4	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
If Yes:	
i. When is the peak traffic expected (Check all that apply): <input checked="" type="checkbox"/> Morning <input checked="" type="checkbox"/> Evening <input type="checkbox"/> Weekend	
<input type="checkbox"/> Randomly between hours of _____ to _____.	
ii. For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks): _____	
iii. Parking spaces: Existing _____ 0 _____ Proposed _____ 115 _____ Net increase/decrease _____ +115 _____	
iv. Does the proposed action include any shared use parking? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe: <u>The project will create transportation improvements that will create access to the site and is consistent with current roadways and networks.</u>	
vi. Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
vii. Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
If Yes:	
i. Estimate annual electricity demand during operation of the proposed action: _____ To be determined.	
ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other): <u>Local Utility Grid</u>	
iii. Will the proposed action require a new, or an upgrade, to an existing substation? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
l. Hours of operation. Answer all items which apply.	
i. During Construction:	
<ul style="list-style-type: none"> • Monday - Friday: _____ 6 AM - 9 PM _____ • Saturday: _____ • Sunday: _____ • Holidays: _____ 	
ii. During Operations: Commercial/Retail Portion	
<ul style="list-style-type: none"> • Monday - Friday: _____ 8 AM - 10 PM (Mon-Thur) _____ • Saturday: _____ 8 AM - 2 AM (Fri-Sat) _____ • Sunday: _____ 8 AM - 2 AM _____ • Holidays: _____ 	

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If yes:	
i. Provide details including sources, time of day and duration:	<u>Noise resulting from construction will be a temporary impact during the construction period and will be limited to hours consistent with City Code.</u>
ii. Will the proposed action remove existing natural barriers that could act as a noise barrier or screen?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Describe: _____	
n. Will the proposed action have outdoor lighting?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If yes:	
i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:	<u>The structure will be illuminated to the minimum extent required to provide safe ingress and egress to the structure, while minimizing lighting impacts on adjacent structures and properties. Lighting is anticipated to be limited to street level and will direct light downward.</u>
ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Describe: _____	
o. Does the proposed action have the potential to produce odors for more than one hour per day?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: _____ _____	
p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes:	
i. Product(s) to be stored _____	
ii. Volume(s) _____ per unit time _____ (e.g., month, year)	
iii. Generally, describe the proposed storage facilities: _____ _____	
q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If Yes:	
i. Describe proposed treatment(s): <u>Typical treatment by licensed professionals.</u> _____ _____	
ii. Will the proposed action use Integrated Pest Management Practices?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? <u>See Endnote 5</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If Yes:	
i. Describe any solid waste(s) to be generated during construction or operation of the facility:	
• Construction: _____ .2 +/- tons per _____ day (unit of time)	
• Operation : _____ .44 +/- tons per _____ day (unit of time)	
ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:	
• Construction: _____	
• Operation: _____ <u>Residential and commercial components within the project will collect recyclable materials, such as plastic, glass, metal, and paper waste.</u>	
iii. Proposed disposal methods/facilities for solid waste generated on-site:	
• Construction: <u>Waste generated by construction will be collected and discarded off-site.</u>	
• Operation: _____ <u>Solid waste and recyclables are anticipated to be collected by a licensed private hauler.</u>	

s. Does the proposed action include construction or modification of a solid waste management facility?

Yes No

If Yes:

i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): _____

ii. Anticipated rate of disposal/processing:

• _____ Tons/month, if transfer or other non-combustion/thermal treatment, or

• _____ Tons/hour, if combustion or thermal treatment

iii. If landfill, anticipated site life: _____ years

t. Will the proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? Yes No

If Yes:

i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: _____

ii. Generally describe processes or activities involving hazardous wastes or constituents: _____

iii. Specify amount to be handled or generated _____ tons/month

iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: _____

v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? Yes No

If Yes: provide name and location of facility: _____

If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility: _____

E. Site and Setting of Proposed Action

E.1. Land uses on and surrounding the project site See Figure 3

a. Existing land uses.

i. Check all uses that occur on, adjoining and near the project site.

Urban Industrial Commercial Residential (suburban) Rural (non-farm)
 Forest Agriculture Aquatic Other (specify): Parkland

ii. If mix of uses, generally describe:

The proposed project is located in a central urban area that contains a variety of uses.

b. Land uses and covertypes on the project site.

Land use or Covertype	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	1.70	1.67	-0.03
• Forested			
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)			
• Agricultural (includes active orchards, field, greenhouse etc.)			
• Surface water features (lakes, ponds, streams, rivers, etc.)			
• Wetlands (freshwater or tidal)			
• Non-vegetated (bare rock, earth or fill)			
• Other Describe: <u>Lawn/Landscape Area</u>	0.25	0.28	+0.03

c. Is the project site presently used by members of the community for public recreation? i. If Yes: explain: _____	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site? If Yes, i. Identify Facilities: Monument Square Apartments (Senior Living) _____	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
e. Does the project site contain an existing dam? If Yes: i. Dimensions of the dam and impoundment: • Dam height: _____ feet • Dam length: _____ feet • Surface area: _____ acres • Volume impounded: _____ gallons OR acre-feet	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
ii. Dam's existing hazard classification: _____	
iii. Provide date and summarize results of last inspection: _____	
f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility? If Yes: i. Has the facility been formally closed? • If yes, cite sources/documentation: _____	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
ii. Describe the location of the project site relative to the boundaries of the solid waste management facility: _____	
iii. Describe any development constraints due to the prior solid waste activities: _____	
g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? If Yes: i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred: _____	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? See Endnote 7 If Yes: i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: <input type="checkbox"/> Yes – Spills Incidents database _____ Provide DEC ID number(s): _____ <input type="checkbox"/> Yes – Environmental Site Remediation database _____ Provide DEC ID number(s): _____ <input checked="" type="checkbox"/> Neither database _____	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
ii. If site has been subject of RCRA corrective activities, describe control measures: See Endnote 7 _____	
iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? If yes, provide DEC ID number(s): 546031, C401074 _____	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
iv. If yes to (i), (ii) or (iii) above, describe current status of site(s): See Endnote 7 _____	

v. Is the project site subject to an institutional control limiting property uses?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<ul style="list-style-type: none"> • If yes, DEC site ID number: _____ • Describe the type of institutional control (e.g., deed restriction or easement): _____ • Describe any use limitations: _____ • Describe any engineering controls: _____ • Will the project affect the institutional or engineering controls in place? _____ • Explain: _____ _____ _____ 		<input type="checkbox"/> Yes <input type="checkbox"/> No
E.2. Natural Resources On or Near Project Site See Figure 4		
a. What is the average depth to bedrock on the project site? _____ 16 feet		
b. Are there bedrock outcroppings on the project site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, what proportion of the site is comprised of bedrock outcroppings? _____ %		
c. Predominant soil type(s) present on project site: Ur - Urban Land _____ 100 % _____ % _____ %		
d. What is the average depth to the water table on the project site? Average: _____ > 6 feet		
e. Drainage status of project site soils: <input checked="" type="checkbox"/> Well Drained: _____ 100 % of site <input type="checkbox"/> Moderately Well Drained: _____ % of site <input type="checkbox"/> Poorly Drained: _____ % of site		
f. Approximate proportion of proposed action site with slopes: <input checked="" type="checkbox"/> 0-10%: _____ 100 % of site <input type="checkbox"/> 10-15%: _____ % of site <input type="checkbox"/> 15% or greater: _____ % of site		
g. Are there any unique geologic features on the project site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, describe: _____		
h. Surface water features. See Figure 5 and Endnote 8		
i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
ii. Do any wetlands or other waterbodies adjoin the project site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes to either i or ii, continue. If No, skip to E.2.i.		
iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
iv. For each identified regulated wetland and waterbody on the project site, provide the following information: <ul style="list-style-type: none"> • Streams: Name _____ Classification _____ • Lakes or Ponds: Name _____ Classification _____ • Wetlands: Name _____ Federal Waters, Federal Waters Approximate Size Hudson River • Wetland No. (if regulated by DEC) _____ 		
v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, name of impaired water body/bodies and basis for listing as impaired: _____		
i. Is the project site in a designated Floodway? See Figure 9 and Endnote 11 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
j. Is the project site in the 100-year Floodplain? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
k. Is the project site in the 500-year Floodplain? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes: i. Name of aquifer: Principal Aquifer _____		

m. Identify the predominant wildlife species that occupy or use the project site: <u>Species common to Rensselaer County</u>	<input type="text"/>
n. Does the project site contain a designated significant natural community? If Yes:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
i. Describe the habitat/community (composition, function, and basis for designation):	<input type="text"/>
ii. Source(s) of description or evaluation:	<input type="text"/>
iii. Extent of community/habitat:	<ul style="list-style-type: none"> • Currently: _____ acres • Following completion of project as proposed: _____ acres • Gain or loss (indicate + or -): _____ acres
o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? If Yes: See Figure 6 and Endnote 9	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
i. Species and listing (endangered or threatened):	<input type="text"/>
Shortnose Sturgeon (NYS Endangered), Northern Long-eared bat (NYS and Federally Endangered)	
p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? If Yes: See Figure 6 and Endnote 9	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
i. Species and listing:	<input type="text"/>
q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? If yes, give a brief description of how the proposed action may affect that use: <u>The Hudson River, adjacent to the project site, is a frequent fishing location. The project will not have an impact on these activities.</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
E.3. Designated Public Resources On or Near Project Site	
a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? If Yes, provide county plus district name/number:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
b. Are agricultural lands consisting of highly productive soils present? i. If Yes: acreage(s) on project site? _____ ii. Source(s) of soil rating(s): _____	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? If Yes: i. Nature of the natural landmark: <input type="checkbox"/> Biological Community <input type="checkbox"/> Geological Feature ii. Provide brief description of landmark, including values behind designation and approximate size/extent: <input type="text"/>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? If Yes: i. CEA name: _____ ii. Basis for designation: _____ iii. Designating agency and date: _____	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? Yes No

If Yes:

i. Nature of historic/archaeological resource: Archaeological Site Historic Building or District

ii. Name: River Street Historic District (1976), Cannon Building, McCarthy Building, Second Street Historic District (1974), Tr...

iii. Brief description of attributes on which listing is based: See Figure 7 and Endnote 10

f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? Yes No

g. Have additional archaeological or historic site(s) or resources been identified on the project site? Yes No

If Yes:

i. Describe possible resource(s): _____

ii. Basis for identification: _____

h. Is the project site within five miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? Yes No

If Yes:

i. Identify resource: See Figure 8.

ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): State and local parks, state historic trail, scenic byway

iii. Distance between project and resource: Up to 5 miles.

i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? Yes No

If Yes:

i. Identify the name of the river and its designation: _____

ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666? Yes No

F. Additional Information

Attach any additional information which may be needed to clarify your project.

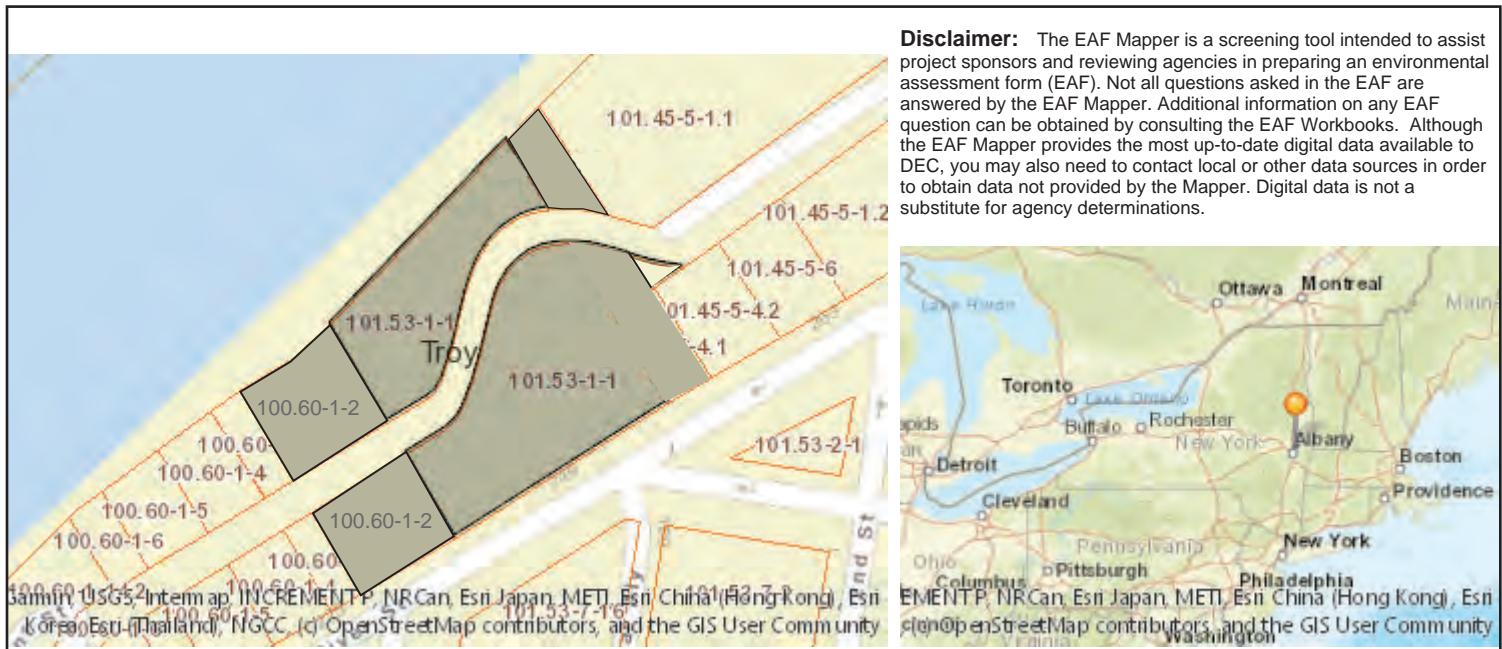
If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

G. Verification

I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name Sumeet Gupta Date March 14, 2022

Signature Sumeet Gupta Title Authorized Signatory



B.i.i [Coastal or Waterfront Area]	Yes
B.i.ii [Local Waterfront Revitalization Area]	No
C.2.b. [Special Planning District]	Yes - Digital mapping data are not available for all Special Planning Districts. Refer to EAF Workbook.
C.2.b. [Special Planning District - Name]	NYS Heritage Areas:Hudson-Mohawk
E.1.h [DEC Spills or Remediation Site - Potential Contamination History]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Listed]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.iii [Within 2,000' of DEC Remediation Site]	Yes
E.1.h.iii [Within 2,000' of DEC Remediation Site - DEC ID]	546031, C401074
E.2.g [Unique Geologic Features]	No
E.2.h.i [Surface Water Features]	Yes
E.2.h.ii [Surface Water Features]	Yes
E.2.h.iii [Surface Water Features]	Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook.
E.2.h.iv [Surface Water Features - Wetlands Name]	Federal Waters
E.2.h.v [Impaired Water Bodies]	No
E.2.i. [Floodway]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.2.j. [100 Year Floodplain]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.

E.2.k. [500 Year Floodplain]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.2.l. [Aquifers]	Yes
E.2.l. [Aquifer Names]	Principal Aquifer
E.2.n. [Natural Communities]	No
E.2.o. [Endangered or Threatened Species]	Yes
E.2.o. [Endangered or Threatened Species - Name]	Shortnose Sturgeon
E.2.p. [Rare Plants or Animals]	No
E.3.a. [Agricultural District]	No
E.3.c. [National Natural Landmark]	No
E.3.d [Critical Environmental Area]	No
E.3.e. [National or State Register of Historic Places or State Eligible Sites]	Yes - Digital mapping data for archaeological site boundaries are not available. Refer to EAF Workbook.
E.3.e.ii [National or State Register of Historic Places or State Eligible Sites - Name]	River Street Historic District (1976), Cannon Building, McCarthy Building, Second Street Historic District (1974), Troy Savings Bank and Music Hall, Central Troy Historic District, Central Troy Historic District (Boundary Expansion 2015)
E.3.f. [Archeological Sites]	Yes
E.3.i. [Designated River Corridor]	No

ENDNOTES

1. *Project Site*

The total project area consists of 1.19 acres that is spread across 3 different tax parcels and includes improvements to certain public property in the City of Troy starting just south of the Green Island bridge. These tax parcels include: 101.53-1-1, 100.60-1-2 and 101.45-5-1.1. The project area is currently vacant and runs parallel to the Hudson River and River Street. The subdivision plan included within this application illustrates a development parcel of approximately 1.19 acre, with an approximately 0.38 acre waterfront promenade to be merged into the City's Riverfront Park (tax parcel 101.45-5.1.1). The City will reserve certain infrastructure, utility and access easements and rights of way throughout the development parcel and there will be extensive reciprocal easements and other rights established by and among the Applicant and TLDC in connection with the condominium structure.

Figures 1 and 2 show the proposed project location.

2. *Adopted Land Use Plans and Zoning*

The project area, to be known as the “One Monument Square,” is identified in the City of Troy’s Comprehensive Plan as a site that could enhance the City’s access to, and serve as a gateway to, the waterfront. The proposed project was selected by the Comprehensive Plan Implementation Committee for development.

In addition, the project area is located in the Hudson Mohawk Heritage Area. This area is designated by NYS OPRHP and highlights the historic and cultural significance of the Hudson and Mohawk rivers in the area. As this project enhances access to the Hudson River, its purpose aligns well with the goals of the Heritage designation.

The project area is located in the City of Troy’s B4, Central Commercial zoning district. The properties adjacent to the project area are also in this district. The proposed project, including mixed uses of commercial and residential spaces, is consistent with the regulations and goals of the B4 district. No variances or special use permits are needed.

3. *Water Usage and Waste Generation*

According to NYSDEC’s Standards for Wastewater Treatment Works, an apartment results in 110 gallons per day (gpd) per bedroom. Based on a total number of bedrooms of 110, the residential component will result in 12,100 gpd. The proposed commercial space will be divided into a 150-seat restaurant and 10,200 SF of retail space. Based on the Retail Store multiplier of 0.1 gpd per SF and an additional 15 gpd per employee per shift, and the restaurant multiplier of 35 gpd per seat, the commercial space component will result in 6,540 gpd. In total, the project is estimated to require 18,640 gpd in water usage and wastewater generation.

Utility work is currently underway to relocate a 20-inch water line and the separation of the sewer to serve the project site. A new water service will be installed off of the existing service at the site.

Since the water supply and sewer will have public use, the Rensselaer County Department of Health will review and approve the proposed water supply and treatment improvements.

4. *Traffic Generation*

With the proposed mitigation measures, the proposed project is not expected to result in any significant adverse impacts related to traffic in the vicinity of the site.

The proposed project will create 115 new parking spaces that will be housed in a two-story parking garage. Traffic analyses anticipate 47 new trips per day during peak weekday mornings and 39 new trips per day during peak weekday evenings.

Temporary traffic generated during demolition and construction activities includes construction employees and the delivery of equipment and materials. The proposed project is not expected to result in any adverse impacts in regard to temporary traffic during construction.

5. *Solid Waste Generation*

According to the Development Impact Assessment Handbook, Urban Land Institute, 1994, a retail/office use would generate $0.001\pm$ tons of solid waste per employee per day and a residential use would generate 0.00175 tons of solid waste per person per day.

According to the New Practitioners Guide to Fiscal Impact Analysis, 1985, Exhibit 12, a one-bedroom apartment is expected to house 1.390 residents, which results in approximately 3 residents for the two-bedroom apartments. Therefore, the proposed residential could be expected to generate 0.27 tons of solid waste per day and the retail and office space are expected to generate 0.18 tons of solid waste per day, for a total solid waste generation of 0.45 tons of solid waste per day or 13.5 tons per month.

6. *Stormwater*

As the proposed project is expected to involve the disturbance of more than one acre, it will require the preparation of a Stormwater Pollution Prevention Plan (SWPPP) and coverage under the State Pollutant Discharge Elimination System (SPDES) General Permit for Stormwater Discharges from Construction Activity (GP-0-20-001).

New point sources of stormwater runoff will come from the walkways and impervious surfaces. Stormwater runoff will be directed to treatment practices on the project area. Therefore, while the proposed project will result in a minor increase in impervious surface area, stormwater runoff will be managed to ensure that no significant adverse impacts will result.

7. *NYS Environmental Contamination History and Remediation Sites*

The proposed project site was examined in 2014 through a Phase 1 Environmental Site Assessment (ESA) for previous contamination history. This ESA revealed no signs of recognized environmental conditions (as defined under ASTM E 1527-13) regarding the Site.

In addition, there are two NYSDEC Environmental Remediation sites that have been identified off-site, by the FEAF Mapper, to be within 2,000 feet of the project site. The site codes are identified as 546031 (Hudson River PCB Sediments), and C401074 (South Island Apartments) Information regarding the sites is given below. The proposed project and its future uses are not anticipated to interact with the sites.

8. Aquatic Resources and Aquifers

According to the NYSDEC Environmental Resource Map (Figure 6), there are no mapped NYSDEC regulated wetlands within the 1.95-acre project area but there is a NYSDEC stream (the Hudson River) directly adjacent, to the west of the project limits. This stream (Regulation 858-4) is identified as a NYSDEC Class C stream. Classification C is assigned to waters supporting fisheries and suitable for non - contact activities. The National Wetland Inventory (NWI) mapping (Figure 3) also shows wetlands adjacent to the project area, immediately west of the 1.95-acre project area. The NWI mapping shows that this wetland is characterized as a Riverine (R1UBV). The project involves no in-water work and with the SWPPP in place no impacts to aquatic resources will occur.

The FEAF Mapper also identified the project area to be located over a principal aquifer. The project area is located over a principle aquifer that has been identified to be unconfined with a high-yield of greater than 100 gal/min. Approximately one-quarter of New Yorkers rely on groundwater as a source of potable water. To enhance regulatory protection in areas where groundwater resources are most productive and most vulnerable, “primary” and “principal” aquifers are identified across the State. Primary aquifers are defined as “highly productive aquifers presently utilized as sources of water supply by major municipal water supply systems,” and principal aquifers are “aquifers known to be highly productive or show geology suggests abundant potential water supply, but which are not intensively used as sources of water supply by major municipal systems at the present time.” With the SWPPP in place, the proposed project would not result in significant adverse impacts on aquifers.

9. Endangered, Threatened, and/or Rare Species and Significant Natural Communities

In February of 2021, a U.S. Fish and Wildlife Service (USFWS) Official Species List was requested for the approximate area of the proposed project (Attachment A). This Official Species List indicates that the following endangered or threatened species may exist on or near the project area; Northern Long-eared bat (NLEB). The EAF mapper identified the Shortnose Sturgeon as an endangered species within the project area.

For the NLEB, the NYSDEC’s Guidance for the Protection of Northern Long-Eared Bats indicates that there are no summer roosting trees in the City of Troy, but a bat hibernacula is located within 5 miles of the project area. There are no trees on the site, so tree clearing will not be necessary. Given this, it is not anticipated that there will be any impacts to the NLEB, the proposed project conforms to the NYSDEC’s Guidance for the Protection of Northern Long-Eared Bats and no further consultation with NYSDEC is required.

For the Shortnose Sturgeon, the project will not impact the river so additional consultation is not required for determining the potential environmental impact on the Shortnose Sturgeon species.

The NYSDEC Environmental Resource Mapper identifies the project area as being in the vicinity of rare Dragonflies and Damselflies and rare Freshwater Mussels. However, this information was not identified by the EAF Mapper. This information is captured in Sections E.2.p of the FEAf.

Dragonflies and damselflies are tied to aquatic habitat and generally require fresh water, either flowing or standing, depending on the species; emergent, submerged, and floating aquatic plants for perching, roosting, and oviposition; shallow water margins; upland vegetation for adult refuge and shelter; and, ideally, shelter from the wind and sunny areas for perching. Rare dragonflies and damselflies are not regulated by the NYSDEC, as they are not endangered or threatened. The development site is located along a bulk head and no in-water work is proposed. Therefore, no significant adverse impacts to these species will occur.

10. Cultural/Historic Resources

Architectural Resources

The FEAf mapper indicates that the project area contains or is substantially contiguous to multiple historic resources. According to the NYS OPRHP's Cultural Resource Information System (CRIS) mapping (Figure 7), there are State or National Historic Register (S/NR) sites adjacent to the project area. Specifically, there are over fourteen S/NR-listed sites 100 feet south of the project area. These sites are part of the Central Troy Historic District and the River Street Historic District, which has historical and architectural significance with multiple and diverse examples of Troy's early development as a leading Hudson River commercial center and its growth as an industrial center whose textile products have been received world-wide. The proposed project is not anticipated to alter the context of these S/NR listed sites or the historic district.

This project will be submitted the NYS OPRHP for consultation

Archaeological Resources

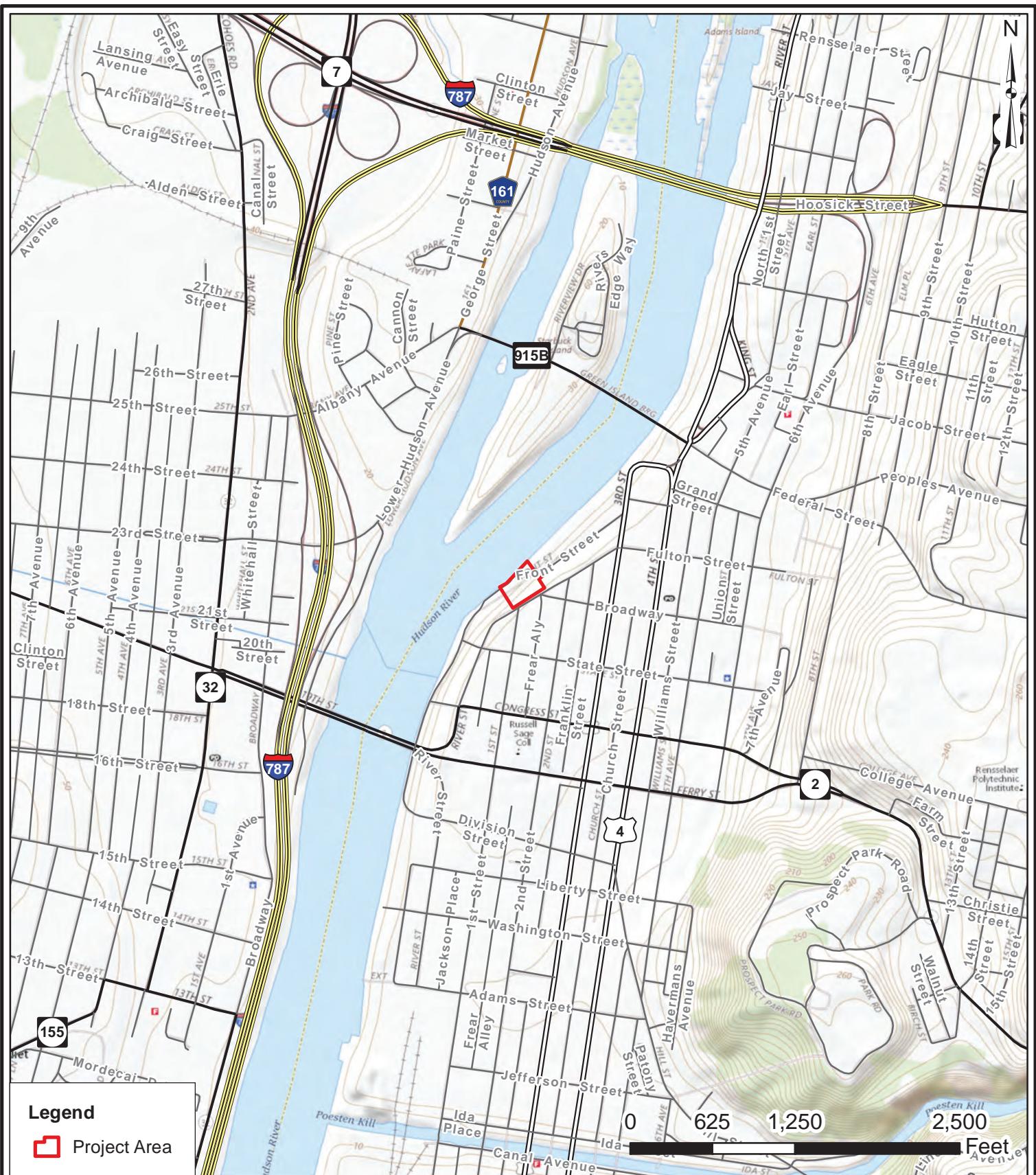
CRIS mapping indicates that the project area is within a known archeologically sensitive area.

This project will be submitted the NYS OPRHP for consultation.

11. Floodplains

The FEAf Mapper indicated that the project area is within a designated floodway and a 100-year floodplain. **Figure 9** shows the extent of the floodway and 100-year floodplain within the project area. As shown in the figure, the project area is within the 100-year floodplain. The proposed project will incorporate flood resiliency measures in compliance with NYS building code requirements for building in a floodplain.

FIGURES



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Capital District Office:
547 River Street, Troy, NY 12180
Phone: (518) 273-0055

North Country Office:
20 Elm Street, Glens Falls, NY 12801
Phone: (518) 812-0513

One Monument Square

USGS Location Map

City of Troy - Rensselaer County, NY

Drawn:	JC
Date:	02/04/2021
Scale:	1 inch = 1,000 feet
Project:	32079.00
Figure:	1



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One Monument Square

Orthophoto Tax Map

City of Troy - Rensselaer County, NY

Drawn:	JC
Date:	02/04/2021
Scale:	1 inch = 100 feet
Project:	32079.00
Figure:	2



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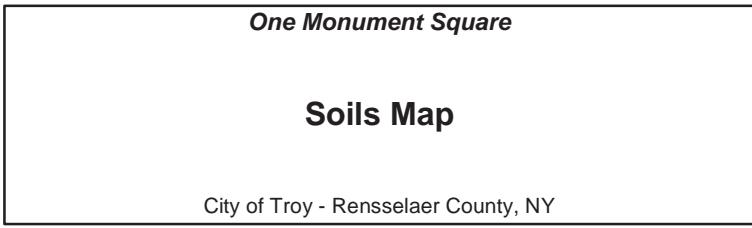
One Monument Square

Land Use Map

City of Troy - Rensselaer County, NY

Drawn:	JC
Date:	02/04/2021
Scale:	1 inch = 200 feet
Project:	32079.00
Figure:	3

Ur: Urban land



Drawn:	JC
Date:	02/04/2021
Scale:	1 inch = 100 feet
Project:	32079.00
Figure:	4



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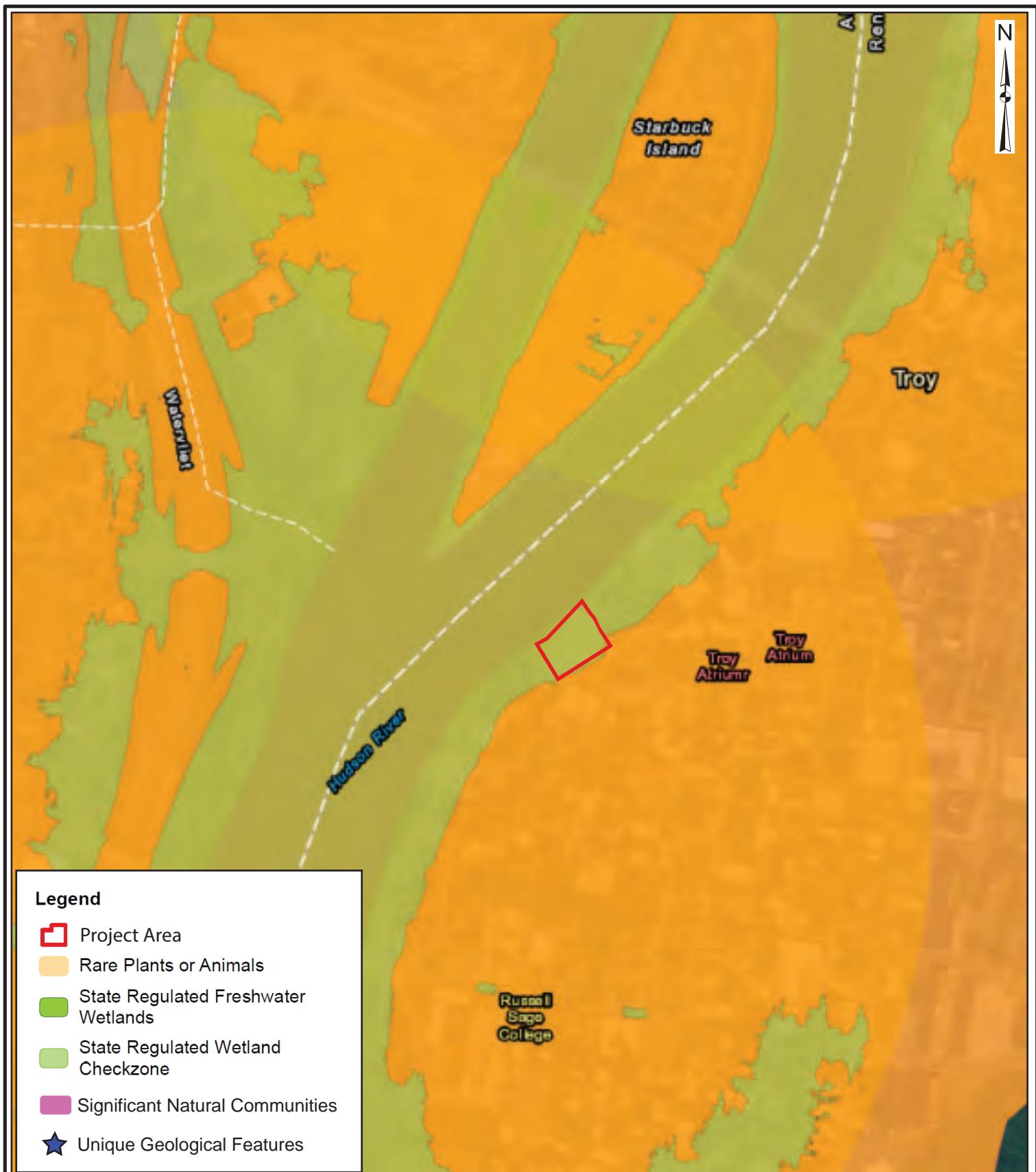
North Country Office:
20 Elm Street, Glens Falls, NY 12801
Phone: (518) 812-0513

One Monument Square

Wetlands and Water Resources Map

City of Troy - Rensselaer County, NY

Drawn:	JC
Date:	02/04/2021
Scale:	1 inch = 100 feet
Project:	32079.00
Figure:	5



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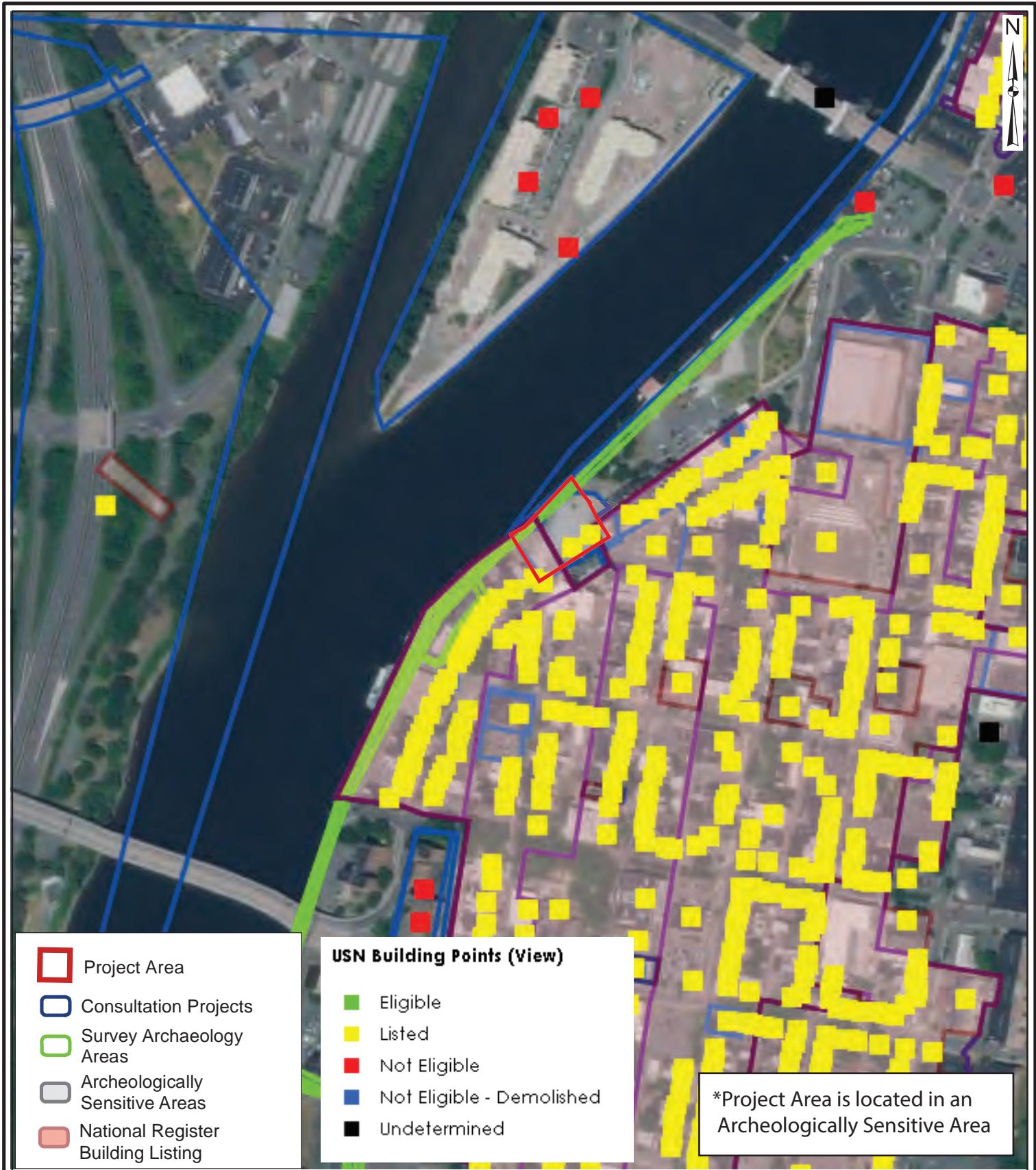
North Country Office:
20 Elm Street, Glens Falls, NY 12801
Phone: (518) 812-0513

One Monument Square

NYSDEC Environmental Resource Map

City of Troy - Rensselaer County, NY

Drawn:	JC
Date:	02/05/2021
Scale:	Not to scale
Project:	32079.00
Figure:	6



THE
Chazen
COMPANIES

ENGINEERS
LAND SURVEYORS
PLANNERS
ENVIRONMENTAL & SAFETY PROFESSIONALS
LANDSCAPE ARCHITECTS

Dutchess County Office:
21 Fox Street, Poughkeepsie, NY 12601
Phone: (845) 454-3980

Capital District Office:
547 River Street, Troy, NY 12180
Phone: (518) 273-0055

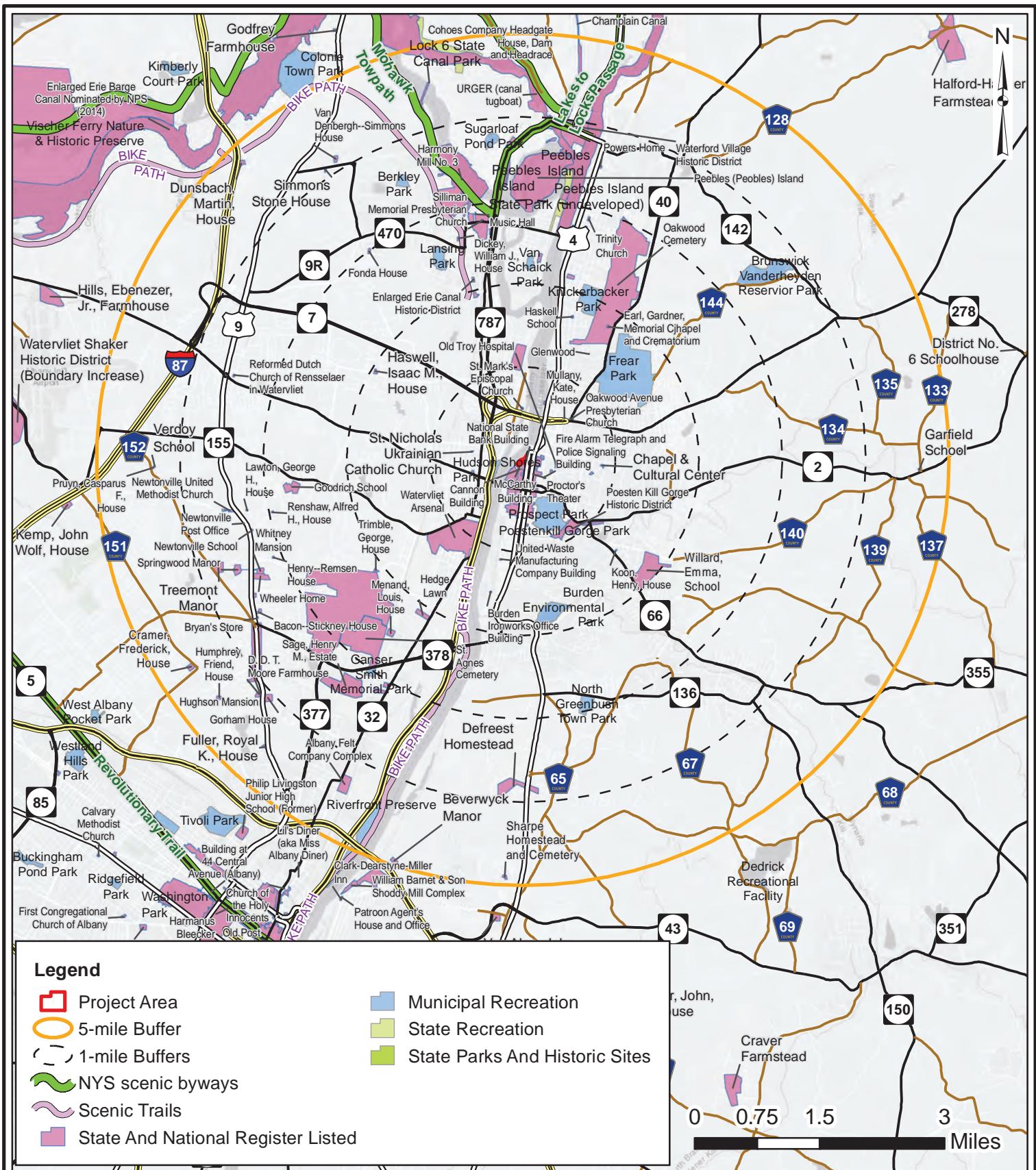
North Country Office:
20 Elm St, Suite 110
Glens Falls, NY 12801
Phone: (518) 812-0513

One Monument Square

NYSOPRHP Cultural Resource Information System (CRIS) Map

City of Troy - Rensselaer County, NY

Drawn:	JC
Date:	02/05/2021
Scale:	Not to scale.
Project:	32079.00
Figure:	7



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LANDSCAPE ARCHITECTS

Dutchess County Office:
21 Fox Street, Poughkeepsie, NY 12601
Phone: (845) 454-3980

Capital District Office:
547 River Street, Troy, NY 12180
Phone: (518) 273-0055

North Country Office:
20 Elm Street, Glens Falls, NY
Phone: (518) 812-0513

One Monument Square
Publicly Accessible
Federal, State, or Local Scenic or Aesthetic
Resources within 5 Miles

City of Troy - Rensselaer County, NY

Drawn:	JC
Date:	02/5/2021
Scale:	1 in = 1.6 miles
Project:	32079.00
Figure:	8



ENGINEERS
LAND SURVEYORS
PLANNERS
ENVIRONMENTAL & SAFETY PROFESSIONALS
LANDSCAPE ARCHITECTS

Dutchess County Office:
21 Fox Street, Poughkeepsie, NY 12601
Phone: (845) 454-3980

Capital District Office:
547 River Street, Troy, NY 12180
Phone: (518) 273-0055

North Country Office:
20 Elm Street, Glens Falls, NY 12801
Phone: (518) 812-0513

One Monument Square

Floodplains Map

City of Troy - Rensselaer County, NY

Drawn:	JC
Date:	02/04/2021
Scale:	1 inch = 100 feet
Project:	32079.00
Figure:	9

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

Rensselaer County, New York



Local office

New York Ecological Services Field Office

📞 (607) 753-9334

📠 (607) 753-9699

3817 Luker Road
Cortland, NY 13045-9385

<http://www.fws.gov/northeast/nyfo/es/section7.htm>

ATTACHMENT A

IPaC Resource Report

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population, even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species¹ and their critical habitats are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries²).

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

1. Species listed under the [Endangered Species Act](#) are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information.
2. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

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

Mammals

Northern Long-eared Bat *Myotis septentrionalis*

Threatened

No critical habitat has been designated for this species.

<https://ecos.fws.gov/ecp/species/9045>

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern <http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php>
- Measures for avoiding and minimizing impacts to birds <http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Nationwide conservation measures for birds <http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf>

The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern](#) (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ [below](#).

This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the [E-bird data mapping tool](#) (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your

list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found [below](#).

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME

BREEDING SEASON (IF A BREEDING SEASON IS INDICATED FOR A BIRD ON YOUR LIST, THE BIRD MAY BREED IN YOUR PROJECT AREA SOMETIME WITHIN THE TIMEFRAME SPECIFIED, WHICH IS A VERY LIBERAL ESTIMATE OF THE DATES INSIDE WHICH THE BIRD BREEDS ACROSS ITS ENTIRE RANGE. "BREEDS ELSEWHERE" INDICATES THAT THE BIRD DOES NOT LIKELY BREED IN YOUR PROJECT AREA.)

American Golden-plover *Pluvialis dominica*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Breeds elsewhere

Bald Eagle *Haliaeetus leucocephalus*

This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.

<https://ecos.fws.gov/ecp/species/1626>

Breeds Dec 1 to Aug 31

Black-billed Cuckoo *Coccyzus erythrophthalmus*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/9399>

Breeds May 15 to Oct 10

Canada Warbler *Cardellina canadensis*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Breeds May 20 to Aug 10

Dunlin *Calidris alpina arcticola*

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

Breeds elsewhere

Lesser Yellowlegs *Tringa flavipes* Breeds elsewhere

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/9679>

Ruddy Turnstone *Arenaria interpres morinella* Breeds elsewhere

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

Semipalmated Sandpiper *Calidris pusilla* Breeds elsewhere

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Short-billed Dowitcher *Limnodromus griseus* Breeds elsewhere

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/9480>

Snowy Owl *Bubo scandiacus* Breeds elsewhere

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Wood Thrush *Hylocichla mustelina* Breeds May 10 to Aug 31

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For

example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.

2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is $0.25/0.25 = 1$; at week 20 it is $0.05/0.25 = 0.2$.

3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (■)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

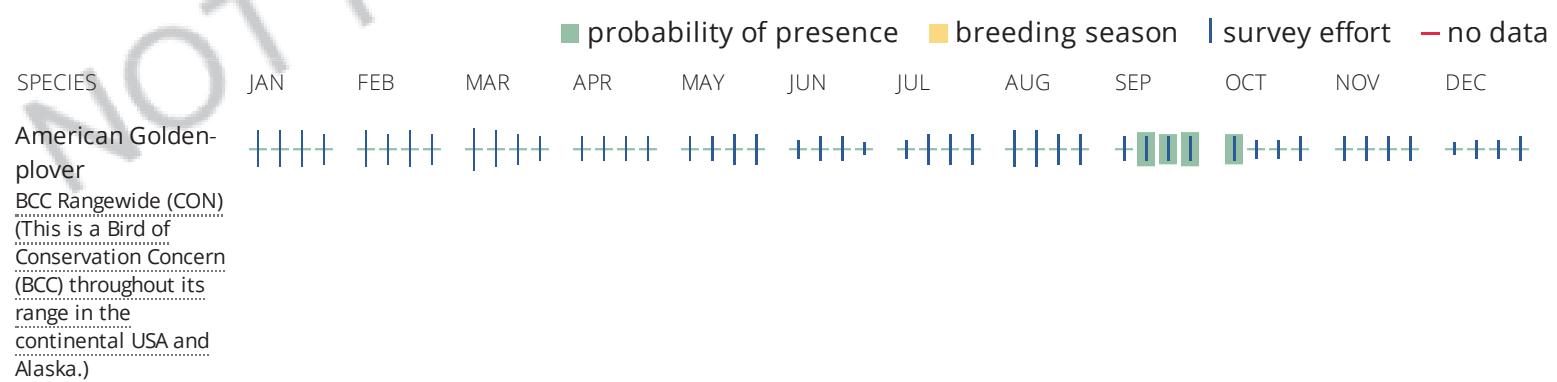
To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (-)

A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



Bald Eagle														
Non-BCC Vulnerable (This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.)														
Black-billed Cuckoo BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)														
Canada Warbler BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)														
Dunlin BCC - BCR (This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA)														
Lesser Yellowlegs BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)														
Ruddy Turnstone BCC - BCR (This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA)														
Semipalmated Sandpiper BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)														

Short-billed
Dowitcher
BCC Rangewide (CON)
(This is a Bird of
Conservation Concern
(BCC) throughout its
range in the
continental USA and
Alaska.)



Snowy Owl
BCC Rangewide (CON)
(This is a Bird of
Conservation Concern
(BCC) throughout its
range in the
continental USA and
Alaska.)



Wood Thrush
BCC Rangewide (CON)
(This is a Bird of
Conservation Concern
(BCC) throughout its
range in the
continental USA and
Alaska.)



Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) and/or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the migratory birds potentially occurring in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [AKN Phenology Tool](#).

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: [The Cornell Lab of Ornithology All About Birds Bird Guide](#), or (if you are unsuccessful in locating the bird of interest there), the [Cornell Lab of Ornithology Neotropical Birds guide](#). If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring

in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Facilities

National Wildlife Refuge lands

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

THERE ARE NO REFUGE LANDS AT THIS LOCATION.

Fish hatcheries

THERE ARE NO FISH HATCHERIES AT 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](#).

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

This location overlaps the following wetlands:

A full description for each wetland code can be found at the [National Wetlands Inventory website](#)

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.