

Full Environmental Assessment Form Part 1 for Lincoln Park Grid Support Center

**NYS Route 32
Town of Ulster
Ulster County, New York**



Issued: November 6, 2017
Revised: November 21, 2017

Prepared for:

Lincoln Park DG, LLC
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Prepared by:

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Chazen Project No. 31788.01

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PROJECT DESCRIPTION

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PROJECT DESCRIPTION

The Applicant, Lincoln Park DG, LLC, is under contract to acquire three tax parcels between NYS Route 32 and US Route 9W in the Town of Ulster which total 120.92 acres, and proposes to construct the Lincoln Park Grid Support Center on a 4± acre portion of the property, with access from Frank Sottile Boulevard. The proposed facility is a natural gas-fired power plant that will supply power to the electric grid in the region. The project will provide short-term peaking power generation, assist in the integration of variable renewable generation from wind and solar projects, and provide critical grid resiliency services such as micro-gridding and grid-restart. The site consists of three tax parcels identified on the Town of Ulster Tax Map as Section 48.12 Block 1 Lot 20, Section 48.16 Block 1 Lot 1, and Section 48.16 Block 1 Lot 2.210. The three parcels will be consolidated into one tax parcel. For the purpose of this Full Environmental Assessment Form (FEAF) Part 1, the project area is defined as the 120.92-acre site which is the subject of the proposed lot consolidation and site plan.

The facility will include a system of containerized batteries and a reciprocating engine generator system that is fueled by natural gas, with the capability to use on-site diesel when the gas supply is disrupted. The generator system will be housed within a steel Butler building and will require two exhaust stacks for combustion emissions which will be a maximum of 100 feet in height. The system will be available to the grid 24 hours a day and will operate based on the needs of the grid, with very little operation on some days and continuous operations on other days. The facility is expected to operate an average of 6 to 14 hours per day. Fuel combustion will result in primary emissions of carbon dioxide (CO₂), nitrogen oxides (NO_x), and carbon monoxide (CO), and will require an air permit from the NYSDEC. Some ancillary waste will also be produced including used lubricating oil and reagent as part of equipment maintenance.

Most of the project area, including all of the proposed development area, is situated in the Office Manufacturing (OM) Zoning District as designated by Town of Ulster Zoning Map. The southernmost portion of the property is located in the Residential 30,000 SF (R30) Zoning District. A “utility company structure” is a permitted use in the OM zoning district subject to site plan approval, and the proposed site plan complies with the bulk requirements of the Town of Ulster Zoning Code.

The site will be unmanned most of the time, and may have up to four employees on-site at any one time. A water supply well and subsurface sewage disposal system are proposed to provide potable water and sewage disposal for the employees.

The FEAF was completed utilizing the NYSDEC EAF Mapper. The EAF Mapper tool sometimes indicates limited availability for certain digital data. Endnotes are provided for certain responses to provide clarification of or reference used for the response.

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FULL ENVIRONMENTAL ASSESSMENT FORM (FEAF) PART 1 WITH ENDNOTES

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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 project sponsor to verify that the information contained in Part 1 is accurate and complete.

A. Project and Sponsor Information.

| | | |
|--|-----------------------------|-----------------|
| Name of Action or Project: Lincoln Park Grid Support Center | | |
| Project Location (describe, and attach a general location map): Refer to Figures 1, 2 and 3. Miron Lane/Frank Sottile Boulevard/NYS Route 32, Town of Ulster, Ulster County, NY; Tax parcels 48.012-1-20, 48.016-1-1, and 48.016-1-2.21. | | |
| Brief Description of Proposed Action (include purpose or need): The Applicant, Lincoln Park DG, LLC, is under contract to acquire three tax parcels between NYS Route 32 and US Route 9W in the Town of Ulster which total 120.92 acres, and proposes to construct the Lincoln Park Grid Support Center on a 4± acre portion of the property, with access from Frank Sottile Boulevard. The proposed facility is a natural gas-fired power plant that will supply power to the electric grid in the region. The project will provide short-term peaking power generation, assist in the integration of variable renewable generation from wind and solar projects, and provide critical grid resiliency services such as micro-grinding and grid-restart. The site consists of three tax parcels identified on the Town of Ulster Tax Map as Section 48.12 Block 1 Lot 20, Section 48.16 Block 1 Lot 1, and Section 48.16 Block 1 Lot 2.210, which are proposed to be consolidated into one parcel. | | |
| Name of Applicant/Sponsor: Lincoln Park DG, LLC (Peter Rood, Chief Development Officer) | Telephone: 651-494-4939 | |
| | E-Mail: prood@glidepath.net | |
| Address: 120 North York Street Suite 220 | | |
| City/PO: Elmhurst | State: IL | Zip Code: 60126 |
| Project Contact (if not same as sponsor; give name and title/role): Same as Applicant | Telephone: | |
| | E-Mail: | |
| Address: | | |
| City/PO: | State: | Zip Code: |
| Property Owner (if not same as sponsor): Kingston Landing Development, LLC | Telephone: 917-414-1350 | |
| | E-Mail: | |
| Address: 1 Executive Boulevard | | |
| City/PO: Yonkers | State: NY | Zip Code: 10701 |

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 Council, Town Board, <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No or Village Board of Trustees | Site Plan | Nov 2017 |
| b. City, Town or Village Planning Board or Commission <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Advisory opinion | Nov 2017 |
| c. City Council, Town or Village Zoning Board of Appeals <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| d. Other local agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| e. County agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | UCDOH for water supply well and SSDS; UC Planning GML 239m; UCDPW HWP | To be determined |
| f. Regional agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| g. State agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | NYSDEC GP-0-15-002; air permit; petroleum bulk storage permit; waste oil storage permit | To be determined |
| h. Federal agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | USACOE Nationwide permit | To be determined |
| i. Coastal Resources. i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? <input type="checkbox"/> Yes <input checked="" 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.

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? ☐ Yes ☒ 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? ☒ Yes ☐ No

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? ☐ Yes ☒ 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?) ☐ Yes ☒ No

If Yes, identify the plan(s):

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? ☐ Yes ☒ 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?

Most of the site is located in the Office Manufacturing (OM) zoning district (Figure 4). The southernmost portion of the project site is located in the Residential 30,000 SF (R-30) zoning district. The proposed project is in the OM district. A USACOE Nationwide Permit will be obtained.

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? Kingston School District

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

Town of Ulster Police Department with support from Ulster County Sheriff's Department and NYS Police

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

Ulster Fire District # 5 (except easternmost parcel is in the East Kingston Fire District)

d. What parks serve the project site?

NA

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)? Utilities

b. a. Total acreage of the site of the proposed action? 120.92 acres Refer to Figures 2 and 3 and
b. Total acreage to be physically disturbed? 3.97 acres Endnote 1.
c. Total acreage (project site and any contiguous properties) owned
or controlled by the applicant or project sponsor? 120.92 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, Consolidation of the three parcels is proposed.
i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)

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 proposed action be constructed in multiple phases? ☐ Yes ☒ No

i. If No, anticipated period of construction: _____ 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, show numbers of units proposed. | | | | |
| | <u>One Family</u> | <u>Two Family</u> | <u>Three Family</u> | <u>Multiple Family (four or more)</u> |
| Initial Phase | _____ | _____ | _____ | _____ |
| At completion | _____ | _____ | _____ | _____ |
| of all phases | _____ | _____ | _____ | _____ |

| | |
|--|--|
| g. Does the proposed action include new non-residential construction (including expansions)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, | |
| i. Total number of structures <u>1 building</u> plus additional structural components. Note: Two exhaust stacks will be up to 100' in height. ii. Dimensions (in feet) of largest proposed structure: <u>40'</u> height; <u>100'</u> width; and <u>120'</u> length iii. Approximate extent of building space to be heated or cooled: <u>10,400</u> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, | |
| i. Purpose of the impoundment: _____ ii. If a water impoundment, the principal source of the water: <input type="checkbox"/> Ground water <input type="checkbox"/> Surface water streams <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes: | |
| i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): <u>USACOE regulated wetland</u> _____ _____ | |

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:
Proposed access drive will cross a small portion of a USACOE regulated wetland. Wetland disturbance of 0.09 acre is anticipated.

iii. Will proposed action cause or result in disturbance to bottom sediments? ☒ Yes ☐ No
If Yes, describe: access drive crossing

iv. Will 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: 0.09 acre
- expected acreage of aquatic vegetation remaining after project completion: 16.71 acres
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): crossing of wetland for access drive
- proposed method of plant removal: earth moving equipment
- if chemical/herbicide treatment will be used, specify product(s): NA

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

c. Will the proposed action use, or create a new demand for water? ☒ Yes ☐ No
If Yes:

i. Total anticipated water usage/demand per day: 48 gallons/day Refer to Endnote 2.

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

- Name of district or service area:
- 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? ☐ Yes ☒ No
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: New water supply well

vi. If water supply will be from wells (public or private), maximum pumping capacity: >5 gallons/minute.

d. Will the proposed action generate liquid wastes? ☒ Yes ☐ No
If Yes:

i. Total anticipated liquid waste generation per day: 48 gallons/day Refer to Endnote 2.

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 sewage; small amount of lubricating oil and reagent

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

- Name of wastewater treatment plant to be used:
- Name of 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 line extension within an existing district be necessary to serve the project? _____ <p>If Yes:</p> <ul style="list-style-type: none"> • Describe extensions or capacity expansions proposed to serve this project: _____ _____ _____ | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <p>iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? _____</p> <p>If Yes:</p> <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? _____ | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| <p>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): subsurface sewage disposal system _____ _____ _____</p> | |
| <p>vi. Describe any plans or designs to capture, recycle or reuse liquid waste: _____</p> <p>NA _____ _____</p> | |
| <p>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? _____</p> <p>If Yes:</p> <p>i. How much impervious surface will the project create in relation to total size of project parcel? _____ Square feet or <u>3.09</u> acres (impervious surface) Represents new impervious surface created by the project _____ Square feet or <u>120.9</u> acres (parcel size)</p> <p>ii. Describe types of new point sources. <u>None</u> _____</p> <p>iii. 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)? Stormwater will be handled by a level spreader that will direct flows to an on-site wetland. _____ _____</p> <ul style="list-style-type: none"> • If to surface waters, identify receiving water bodies or wetlands: _____ NWI wetland on site _____ • Will stormwater runoff flow to adjacent properties? _____ | |
| <p>iv. Does proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? _____</p> | |
| <p>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? _____</p> <p>If Yes, identify:</p> <p>i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles) NA _____</p> <p>ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers) None _____</p> <p>iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation) Electric generation will result in emissions from fuel combustion; possibly minor emission from diesel fire pump and fuel gas heater, if required. _____</p> | |
| <p>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? _____</p> <p>If Yes:</p> <p>i. 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) _____</p> <p>ii. In addition to emissions as calculated in the application, the project will generate:</p> <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) | |

| | | | |
|--|---|--|---|
| <p>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</p> <p>If Yes:</p> <p>i. Estimate methane generation in tons/year (metric): _____</p> <p>ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____</p> | | | |
| <p>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</p> <p>If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust): _____</p> | | | |
| <p>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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p style="text-align: center; color: blue;">Traffic will consist of maximum of 4 employees and maximum of 1 fuel delivery truck per day.</p> <p>If Yes:</p> <p>i. When is the peak traffic expected (Check all that apply): <input type="checkbox"/> Morning <input type="checkbox"/> Evening <input type="checkbox"/> Weekend <input type="checkbox"/> Randomly between hours of _____ to _____.</p> <p>ii. For commercial activities only, projected number of semi-trailer truck trips/day: _____</p> <p>iii. Parking spaces: Existing _____ Proposed _____ Net increase/decrease _____</p> <p>iv. Does the proposed action include any shared use parking? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe: _____</p> | | | |
| <p>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</p> <p>vii. Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> | | | |
| <p>k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p style="text-align: center; color: blue;">Project will generate electricity for distribution.</p> <p>If Yes:</p> <p>i. Estimate annual electricity demand during operation of the proposed action: _____</p> <p>ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other): _____</p> <p>iii. Will the proposed action require a new, or an upgrade to, an existing substation? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> | | | |
| <p>l. Hours of operation. Answer all items which apply.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>i. During Construction:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ 7:00 am to 9:00 pm • Saturday: _____ 7:00 am to 9:00 pm • Sunday: _____ NA • Holidays: _____ NA </td> <td style="width: 50%; vertical-align: top;"> <p>ii. During Operations:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ 24 hours • Saturday: _____ 24 hours • Sunday: _____ 24 hours • Holidays: _____ 24 hours </td> </tr> </table> | | <p>i. During Construction:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ 7:00 am to 9:00 pm • Saturday: _____ 7:00 am to 9:00 pm • Sunday: _____ NA • Holidays: _____ NA | <p>ii. During Operations:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ 24 hours • Saturday: _____ 24 hours • Sunday: _____ 24 hours • Holidays: _____ 24 hours |
| <p>i. During Construction:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ 7:00 am to 9:00 pm • Saturday: _____ 7:00 am to 9:00 pm • Sunday: _____ NA • Holidays: _____ NA | <p>ii. During Operations:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ 24 hours • Saturday: _____ 24 hours • Sunday: _____ 24 hours • Holidays: _____ 24 hours | | |

| | |
|--|--|
| <p>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</p> <p>If yes:</p> <p>i. Provide details including sources, time of day and duration:</p> <p>Refer to Endnote 3.</p> | |
| <p>ii. Will proposed action remove existing natural barriers that could act as a noise barrier or screen? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Describe: The area of disturbance for the proposed project will result in the removal of trees. However, the closest residence is 680 feet from the project site, and this area will remain forested.</p> | |
| <p>n.. Will the proposed action have outdoor lighting? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes:</p> <p>i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:</p> <p>Minimal lighting for security purposes will be provided. Exact fixture types are to be determined but will comply with Town regulations and International Dark Sky Association (IDSA) requirements. Facility is minimum of 680 feet from the nearest residence.</p> | |
| <p>ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Describe: The area of disturbance for the proposed project will result in the removal of trees. However, the closest residence is 680 feet from the project site, and this area will remain forested.</p> | |
| <p>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</p> <p>If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures:</p> <p>Note: Intermittent fugitive odors may occur during loading of diesel, lube oil, and reagent storage tanks; however, these tanks will be fitted with breather-filters to minimize odors.</p> | |
| <p>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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes:</p> <p>i. Product(s) to be stored <u>diesel fuel</u></p> <p>ii. Volume(s) <u>50,000 gal</u> per unit time <u>year</u> round (e.g., month, year)</p> <p>iii. Generally describe proposed storage facilities: <u>50,000 gallon above-ground tank with berm-type or concrete containment system volume equal to tank volume plus 5 to 10%, which will require registration with NYSDEC.</u></p> | |
| <p>q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p>i. Describe proposed treatment(s):</p> <p>_____</p> <p>_____</p> <p>_____</p> | |
| <p>ii. Will the proposed action use Integrated Pest Management Practices? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> | |
| <p>r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p>i. Describe any solid waste(s) to be generated during construction or operation of the facility:</p> <ul style="list-style-type: none"> • Construction: _____ tons per _____ (unit of time) • Operation : _____ tons per _____ (unit of time) <p>ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:</p> <ul style="list-style-type: none"> • Construction: _____ • Operation: _____ <p>iii. Proposed disposal methods/facilities for solid waste generated on-site:</p> <ul style="list-style-type: none"> • Construction: _____ • Operation: _____ | |

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 proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? ☐ Yes ☒ No [Refer to Endnote 4.](#)
 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

a. Existing land uses. [Refer to Figure 5.](#)
 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): Recreation/entertainment; public services
 ii. If mix of uses, generally describe:
 Commercial (shopping centers, department stores, restaurants), auto dealerships, bus terminal, industrial, residential

b. Land uses and covertypes on the project site.

| Land use or Covertypes | Current Acreage | Acreage After Project Completion | Change (Acres +/-) |
|---|---------------------------------|----------------------------------|--------------------|
| • Roads, buildings, and other paved or impervious surfaces (including gravel) | 0.5 | 3.59 | +3.09 |
| • Forested | 98.22 | 94.34 | -3.88 |
| • Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural) | 0.0 | 0.0 | 0.0 |
| • Agricultural (includes active orchards, field, greenhouse etc.) | 0.0 | 0.0 | 0.0 |
| • Surface water features (lakes, ponds, streams, rivers, etc.) | 0.2 (+2.3 included in wetlands) | 0.2 | 0.0 |
| • Wetlands (freshwater or tidal) | 16.8* | 16.71 | -0.09 |
| • Non-vegetated (bare rock, earth or fill) | 5.2 | 5.2 | 0.0 |
| • Other Describe: <u>lawn area</u> | 0.0 | 0.88 | +0.88 |

* Total of 16.8 acres within numerous separate smaller wetlands.

| | |
|---|--|
| 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: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| | |
| e. Does the project site contain an existing dam? If Yes: i. Dimensions of the dam and impoundment: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| <ul style="list-style-type: none"> • Dam height: _____ feet • Dam length: _____ feet • Surface area: _____ acres • Volume impounded: _____ gallons OR acre-feet | |
| 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: _____ 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: _____ | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No |
| | |
| 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? 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 <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| <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 type="checkbox"/> Neither database | |
| ii. If site has been subject of RCRA corrective activities, describe control measures: _____ | |
| | |
| iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? If yes, provide DEC ID number(s): 356048 | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| iv. If yes to (i), (ii) or (iii) above, describe current status of site(s): Site 356048 Office Depot Shopping Center, Classification = 02, tetrachloroethene from dry cleaning facility. | |

| | | | | | | | |
|---|--------------|--|--------------|--|--------------|---|--------------|
| 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? <input type="checkbox"/> Yes <input type="checkbox"/> No Explain: _____ | | | | | | | |
| E.2. Natural Resources On or Near Project Site Refer to Figure 6 and Endnote 5. | | | | | | | |
| a. What is the average depth to bedrock on the project site? _____ 0 to >6 feet | | | | | | | |
| b. Are there bedrock outcroppings on the project site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, what proportion of the site is comprised of bedrock outcroppings? _____ 15 % | | | | | | | |
| c. Predominant soil type(s) present on project site: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">Nassau-Bath-Rock outcrop (NBF)</td> <td style="width: 30%; text-align: right;">39 %</td> </tr> <tr> <td>Bath-Nassau-Rock outcrop (BOD)</td> <td style="text-align: right;">27 %</td> </tr> <tr> <td>Bath-Nassau complex (BnC)</td> <td style="text-align: right;">13 %</td> </tr> </table> | | Nassau-Bath-Rock outcrop (NBF) | 39 % | Bath-Nassau-Rock outcrop (BOD) | 27 % | Bath-Nassau complex (BnC) | 13 % |
| Nassau-Bath-Rock outcrop (NBF) | 39 % | | | | | | |
| Bath-Nassau-Rock outcrop (BOD) | 27 % | | | | | | |
| Bath-Nassau complex (BnC) | 13 % | | | | | | |
| d. What is the average depth to the water table on the project site? Average: _____ 0 to >80 feet | | | | | | | |
| e. Drainage status of project site soils: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"><input checked="" type="checkbox"/> Well Drained:</td> <td style="width: 50%; text-align: right;">80 % of site</td> </tr> <tr> <td><input checked="" type="checkbox"/> Moderately Well Drained:</td> <td style="text-align: right;">4 % of site</td> </tr> <tr> <td><input checked="" type="checkbox"/> Poorly Drained</td> <td style="text-align: right;">16 % of site</td> </tr> </table> | | <input checked="" type="checkbox"/> Well Drained: | 80 % of site | <input checked="" type="checkbox"/> Moderately Well Drained: | 4 % of site | <input checked="" type="checkbox"/> Poorly Drained | 16 % of site |
| <input checked="" type="checkbox"/> Well Drained: | 80 % of site | | | | | | |
| <input checked="" type="checkbox"/> Moderately Well Drained: | 4 % of site | | | | | | |
| <input checked="" type="checkbox"/> Poorly Drained | 16 % of site | | | | | | |
| f. Approximate proportion of proposed action site with slopes: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"><input checked="" type="checkbox"/> 0-10%:</td> <td style="width: 50%; text-align: right;">20 % of site</td> </tr> <tr> <td><input checked="" type="checkbox"/> 10-15%:</td> <td style="text-align: right;">20 % of site</td> </tr> <tr> <td><input checked="" type="checkbox"/> 15% or greater:</td> <td style="text-align: right;">60 % of site</td> </tr> </table> | | <input checked="" type="checkbox"/> 0-10%: | 20 % of site | <input checked="" type="checkbox"/> 10-15%: | 20 % of site | <input checked="" type="checkbox"/> 15% or greater: | 60 % of site |
| <input checked="" type="checkbox"/> 0-10%: | 20 % of site | | | | | | |
| <input checked="" type="checkbox"/> 10-15%: | 20 % of site | | | | | | |
| <input checked="" type="checkbox"/> 15% or greater: | 60 % 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. | | | | | | | |
| i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Refer to Figure 7 and Endnote 6. | | | | | | | |
| 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>i</i> or <i>ii</i> , 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: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"> <ul style="list-style-type: none"> Streams: Name <u>862-506</u> Classification <u>C</u> Lakes or Ponds: Name <u>None</u> Classification _____ Wetlands: Name <u>Federal Waters, Federal Waters, Federal Waters, & NYSDEC</u> Approximate Size <u>NYS Wetland (in acres) 32.6</u> Wetland No. (if regulated by DEC) <u>KE-10</u> wetlands </td> <td style="width: 50%;"></td> </tr> </table> | | <ul style="list-style-type: none"> Streams: Name <u>862-506</u> Classification <u>C</u> Lakes or Ponds: Name <u>None</u> Classification _____ Wetlands: Name <u>Federal Waters, Federal Waters, Federal Waters, & NYSDEC</u> Approximate Size <u>NYS Wetland (in acres) 32.6</u> Wetland No. (if regulated by DEC) <u>KE-10</u> wetlands | | | | | |
| <ul style="list-style-type: none"> Streams: Name <u>862-506</u> Classification <u>C</u> Lakes or Ponds: Name <u>None</u> Classification _____ Wetlands: Name <u>Federal Waters, Federal Waters, Federal Waters, & NYSDEC</u> Approximate Size <u>NYS Wetland (in acres) 32.6</u> Wetland No. (if regulated by DEC) <u>KE-10</u> wetlands | | | | | | | |
| 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | | | | | |
| j. Is the project site in the 100 year Floodplain? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No FEMA FIRM Panel #36111C0480E | | | | | | | |
| k. Is the project site in the 500 year Floodplain? <input type="checkbox"/> Yes <input checked="" 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: <ul style="list-style-type: none"> Name of aquifer: <u>Principal Aquifer</u> | | | | | | | |

| | |
|--|--|
| <p>m. Identify the predominant wildlife species that occupy or use the project site: _____ common Ulster County species _____ Refer to Endnote 7. _____</p> | |
| <p>n. Does the project site contain a designated significant natural community? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes: <i>i.</i> Describe the habitat/community (composition, function, and basis for designation): _____ <i>ii.</i> Source(s) of description or evaluation: _____ <i>iii.</i> Extent of community/habitat: • Currently: _____ acres • Following completion of project as proposed: _____ acres • Gain or loss (indicate + or -): _____ acres</p> | |
| <p>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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Refer to Endnote 7.</p> | |
| <p>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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> | |
| <p>q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, give a brief description of how the proposed action may affect that use: _____ _____</p> | |
| <p>E.3. Designated Public Resources On or Near Project Site</p> | |
| <p>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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, provide county plus district name/number: _____</p> | |
| <p>b. Are agricultural lands consisting of highly productive soils present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>i.</i> If Yes: acreage(s) on project site? _____ <i>ii.</i> Source(s) of soil rating(s): _____</p> | |
| <p>c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes: <i>i.</i> Nature of the natural landmark: <input type="checkbox"/> Biological Community <input type="checkbox"/> Geological Feature <i>ii.</i> Provide brief description of landmark, including values behind designation and approximate size/extent: _____ _____ _____</p> | |
| <p>d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes: <i>i.</i> CEA name: _____ <i>ii.</i> Basis for designation: _____ <i>iii.</i> Designating agency and date: _____</p> | |

| | |
|---|---|
| e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on, or has been nominated by the NYS Board of Historic Preservation for inclusion on, the State or National Register of Historic Places? Refer to Endnote 8 and Figure 9. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| If Yes: <ul style="list-style-type: none"> i. Nature of historic/archaeological resource: <input type="checkbox"/> Archaeological Site <input type="checkbox"/> Historic Building or District ii. Name: _____ iii. Brief description of attributes on which listing is based: _____ | |
| 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? Refer to Endnote 8 and Figure 9. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| g. Have additional archaeological or historic site(s) or resources been identified on the project site? | |
| If Yes: <ul style="list-style-type: none"> 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? Refer to Endnote 9 and Figure 10. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| If Yes: <ul style="list-style-type: none"> i. Identify resource: Refer to Figure 10. ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): <u>SASS, State Parks and Recreation, NYS Scenic Byway, Scenic Trails, State and National Register Listed Sites, Municipal Recreation</u> iii. Distance between project and resource: _____ 0.5 miles. | |
| i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| If Yes: <ul style="list-style-type: none"> i. Identify the name of the river and its designation: _____ ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666? <input type="checkbox"/> Yes <input type="checkbox"/> No | |

F. Additional Information

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

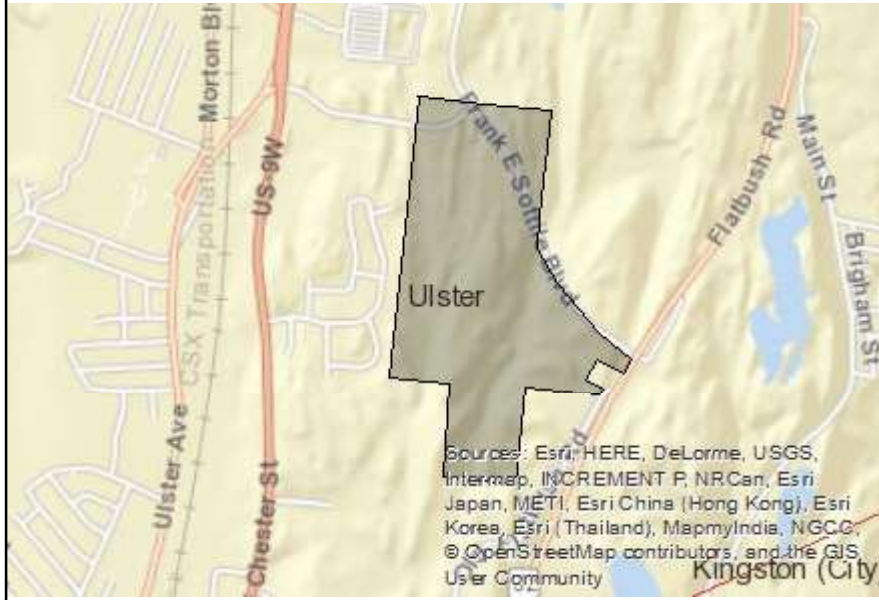
If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

G. Verification

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

Applicant/Sponsor Name Lincoln Park DG, LLC Date November 6, 2017; revised November 21, 2017

Signature  Title Authorized Signatory



Disclaimer: The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.



| | |
|--|---|
| B.i.i [Coastal or Waterfront Area] | No |
| B.i.ii [Local Waterfront Revitalization Area] | No |
| C.2.b. [Special Planning District] | Digital mapping data are not available or are incomplete. Refer to EAF Workbook. |
| 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] | 356048 |
| 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 - Stream Name] | 862-506 |
| E.2.h.iv [Surface Water Features - Stream Classification] | C |
| E.2.h.iv [Surface Water Features - Wetlands Name] | Federal Waters, NYS Wetland |
| E.2.h.iv [Surface Water Features - Wetlands Size] | NYS Wetland (in acres):32.6 |

| | |
|---|--|
| E.2.h.iv [Surface Water Features - DEC Wetlands Number] | KE-10 |
| E.2.h.v [Impaired Water Bodies] | No |
| E.2.i. [Floodway] | No |
| E.2.j. [100 Year Floodplain] | No |
| E.2.k. [500 Year Floodplain] | No |
| 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.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 Register of Historic Places] | Digital mapping data are not available or are incomplete. Refer to EAF Workbook. |
| E.3.f. [Archeological Sites] | Yes |
| E.3.i. [Designated River Corridor] | No |

ENDNOTES

1. Represents the total project area which consists of three tax parcels identified on the Town of Ulster Tax Map as Section 48.12 Block 1 Lot 20 (40.9 acres), Section 48.16 Block 1 Lot 1 (63.1 acres) and Section 48.16 Block 1 Lot 2.210 (18.0 acre).

2. Water Usage/Wastewater Generation

Minimal water is required for process equipment since the cooling will be provided in a closed loop water/glycol system with radiators. No industrial wastewater is anticipated as a result of operation of the facility. The facility will be unmanned most of the time, with a maximum of 4 employees on site at any one time. According to the New York State Department of Environmental Conservation (NYSDEC) *Design Standards for Intermediate Sized Wastewater Treatment Systems*, March 2014, a factory/distribution warehouse use is expected to result in 15 gallons per day (gpd) water usage and wastewater generation, which would result in 60 gpd water usage and wastewater generation, or 48 gpd after a 20% adjustment for the use of water saving plumbing fixtures.

3. Noise

Temporary noise above local ambient levels may occur during construction activities, which will be limited to the hours of 7:00 am to 9:00 pm on Monday thru Saturday.

The operation of the proposed facility may generate noise above local ambient noise levels. However, the proposed building will be acoustically designed and constructed with high sound transmission class (STC) values, and the building ventilation system will also be designed to minimize noise generation. The facility is typically designed to result in noise levels of 50 dB (+/- 5 dB) at the fence line. All outdoor equipment will be specified with a maximum dB requirement (typically 85 dB at 3 feet) which could be adjusted to a lower dB to meet local requirements. The nearest residence is approximately 680 feet from the proposed facility, and the area between the facility and other structures is forested. Therefore, the proposed project is not expected to result in noise impacts on adjoining properties.

4. Hazardous Materials

In addition to the bulk petroleum above-ground storage tank for diesel fuel, the facility will require lube oil and reagent (ammonia or urea) storage tanks. Lube oil and glycol wastes generated will be pumped out and removed from the site by a specialized recycling and disposal contractor during regular maintenance intervals. Other materials will be consumed on-site and will not generate waste to be transported off-site. The handling of hazardous materials will be in compliance with all applicable NYS and Federal requirements, and a comprehensive Spill Prevention, Control, and Countermeasures (SPCC) Plan will be employed to minimize the potential for any spills, and to contain and respond to impacts of any spills that occur.

The batteries will be either a lithium-ion battery or a zinc-based chemistry with an aqueous electrolyte. Both types are stable technologies which have been installed at projects across the country and will meet applicable codes and standards. The liquid system has a standard containment system in the delivered package from the manufacturer.

Therefore, no significant adverse impacts related to use, storage, or disposal of hazardous materials are anticipated.

5. Soils

The following table provides the soil characteristics for each soil type expected to be found on the project site, according to available Geographic Information Systems (GIS) information (Figure 6) and the USDA Natural Resources Conservation Service website (<http://efotg.sc.egov.usda.gov/treemenuFS.aspx>).

| % of SITE | SOIL SYMBOL | SOIL TYPE | SLOPES | DRAINAGE | DEPTH TO WATER TABLE (FT) | DEPTH TO BEDROCK (INCHES) |
|-----------|-------------|--|-----------|----------------------|---------------------------|---|
| 40% | NBF | Nassau-Bath Rock outcrop complex, very steep | --- | --- | --- | --- |
| | | Nassau (35%) | 25 to 65% | somewhat excessively | >80 | 10 to 20 to lithic BR |
| | | Bath (25%) | 25 to 45% | well | 24 to 37 | 26 to 38 to fragipan; 40 to 80 to lithic BR |
| | | Rock outcrop (20%) | --- | --- | --- | 0 |
| 27% | BOD | Bath-Nassau-Rock outcrop complex, hilly | --- | --- | --- | --- |
| | | Bath (40%) | 10 to 25% | well | 24 to 37 | 26 to 38 to fragipan; 40 to 80 to lithic BR |
| | | Nassau (25%) | 10 to 25% | somewhat excessively | >80 | 10 to 20 to lithic BR |
| | | Rock outcrop (15%) | --- | --- | --- | 0 |
| 13% | BnC | Bath-Nassau complex, 8 to 25% slopes | | | | |
| | | Bath (50%) | 8 to 25% | well | 24 to 37 | 26 to 38 to fragipan; 40 to 80 to lithic BR |
| | | Nassau (30%) | 8 to 25% | somewhat excessively | >80 | 10 to 20 to lithic BR |
| 12% | Cd | Canandaigua silt loam, till substratum | 0 to 1% | very poorly | 0 | >80 |
| 4% | MgB | Mardin-Nassau complex, 3 to 8% slopes | --- | --- | --- | --- |
| | | Mardin (55%) | 3 to 8% | moderately well | 13 to 24 | 14 to 26 to fragipan; >72 to BR |
| | | Nassau (25%) | 3 to 8% | somewhat excessively | >80 | 10 to 20 to lithic BR |
| 3.5% | VSb | Volusia very stony soils, gently sloping | 0 to 8% | somewhat poorly | 6 to 18 | 10 to 20 to fragipan; >72 to BR |
| 0.3% | Pa | Palms muck | 0 to 2% | very poorly | 0 | >80 |
| 0.2% | STD | Stockbridge-Farmington-Rock outcrop complex, hilly | | | | |
| | | Stockbridge (30%) | 15 to 25% | well | >80 | 40 to 80 to lithic BR |
| | | Farmington (30%) | 15 to 25% | somewhat excessively | >80 | 10 to 20 to lithic BR |
| | | Rock outcrop (20%) | | | | |

The area of proposed development contains the BnC, NBF, BOD and VSb soil types.

6. Wetlands and Surface Waters

According to NYSDEC EAF Mapper, available GIS mapping (Figure 7), and the NYSDEC Environmental Resource Map (Figure 6), the site contains a portion of NYSDEC Wetland KE-10, a Class 2 wetland, a Class C stream (862—506), and numerous National Wetland Inventory (NWI) wetlands. No construction is proposed in the vicinity of the NYSDEC wetland or its 100-foot adjacent area. The proposed access drive to the facility will cross the stream and NWI wetland. Less than 0.10 acre of wetland disturbance will occur. A Nationwide Permit will be obtained from the US Army Corps of Engineers (USACOE).

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

According to the NYSDEC Environmental Resource Mapper (Figure 8), there are known occurrences of endangered, threatened, or rare species in the vicinity of the project site. Correspondence from NYSDEC dated September 13, 2017, indicates the known occurrence of a priority Northern Long-Eared Bat (threatened) hibernaculum within 1.5 miles of the site to the south, and that bats are known to travel up to 5 miles from a hibernaculum during the summer.

According to the US Fish & Wildlife Service (USFWS) IPaC Resources List (Attachment A), the project site is in the range of the Indiana Bat (Federally and State endangered), the Northern Long-Eared Bat (Federally and State threatened), and the Bog Turtle (Federally threatened, State endangered).

Field investigation by a Chazen biologist on September 7 and 8, 2017, determined that trees over 3-inch diameter at breast height (dbh) were present on the site, some with features which would provide suitable summer roosts for the bat species. Tree removal between November 1 and March 31 will avoid impacts to the bat species, as during this time, the bats would be hibernating and not present onsite.

The closest known bog turtle site is a historic record of this species approximately 16 miles from the project site. According to the Chazen biologist, who is a Bog-Turtle Certified Technician, the on-site wetlands do not appear to be suitable for bog turtle habitat.

Due to the need for Federal permits (USACOE), consultation with the USFWS will be required under Section 7 of the Federal Endangered Species Act. If any tree clearing is proposed outside of the acceptable time period to avoid impacts to the bat species, additional consultation with USFWS and NYSDEC will be required. However, no such clearing outside of the acceptable time period is proposed.

A Habitat Assessment will be performed and submitted upon completion.

8. Cultural/Historic Resources

According to the NYS Office of Parks, Recreation, and Historic Preservation (NYSOPRHP) Cultural Resource Information System (CRIS) mapping (Figure 9), there are no National or State Historic Register sites on or adjacent to the project site. The CRIS mapping indicates that the project site is located within a known archeologically sensitive area. A Phase 1A/1B Cultural Resource Survey will be conducted and uploaded to the NYSOPRHP CRIS website for review.

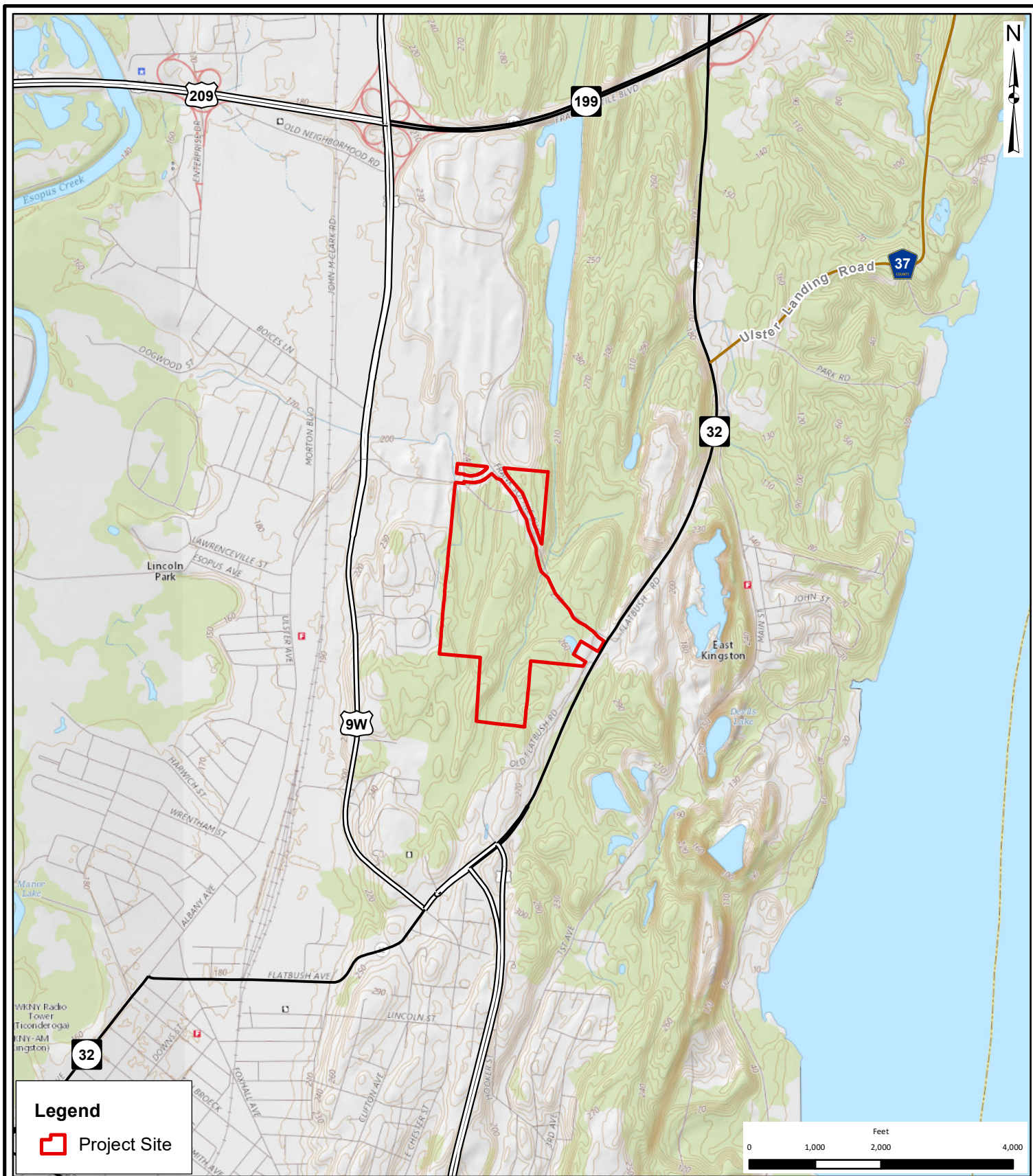
9. Visual Impacts

The proposed project includes two stacks for fuel combustion emissions. The stacks are anticipated to be a maximum of 100 feet in height. Emission control devices will be incorporated to avoid major source classification under the Federal Clean Air Act. After control and treatment, all emissions will be released from a stack system that will be designed to be as low-profile as possible while still meeting applicable codes and guidelines to minimize downflow. The plume is anticipated to be minimally visible or not visible at all, except under certain cold weather conditions, when water vapor may be visible for a short time as the exhaust cools. Natural gas is generally recognized as the cleanest fossil fuel for reliable, demand-responsive electric power generation. A visual analysis which includes a balloon test will be conducted to evaluate the visual impacts of the proposed facility on the closest residential properties to the west and south of the project and to scenic resources.

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FIGURES

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Phone: (518) 273-0055

North Country Office:
375 Bay Road, Queensbury, NY 12804
Phone: (518) 812-0513

Lincoln Park Grid Support Center

USGS Location Map

State Route 32, Town of Ulster - Ulster County, NY

| | |
|----------|-------------------|
| Drawn: | RLB |
| Date: | 11/3/2017 |
| Scale: | 1 in = 2,000 feet |
| Project: | 31788.01 |
| Figure: | 1 |



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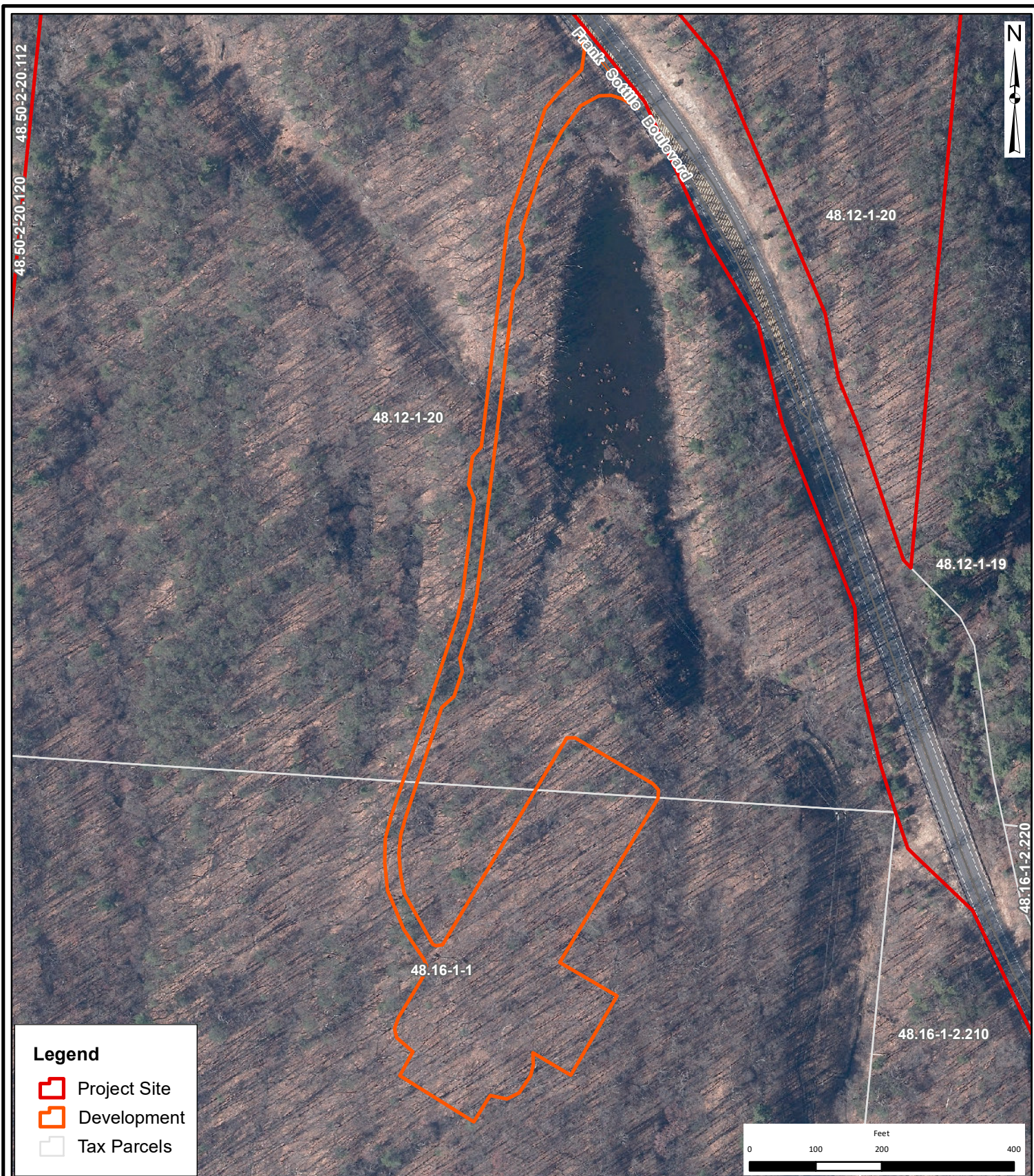
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Lincoln Park Grid Support Center

Orthophoto Tax Map of Overall Site

State Route 32, Town of Ulster - Ulster County, NY

| | |
|----------|-----------------|
| Drawn: | RLB |
| Date: | 11/3/2017 |
| Scale: | 1 in = 500 feet |
| Project: | 31788.01 |
| Figure: | 2 |



Legend

- ▮ Project Site
- ▮ Development
- ▮ Tax Parcels

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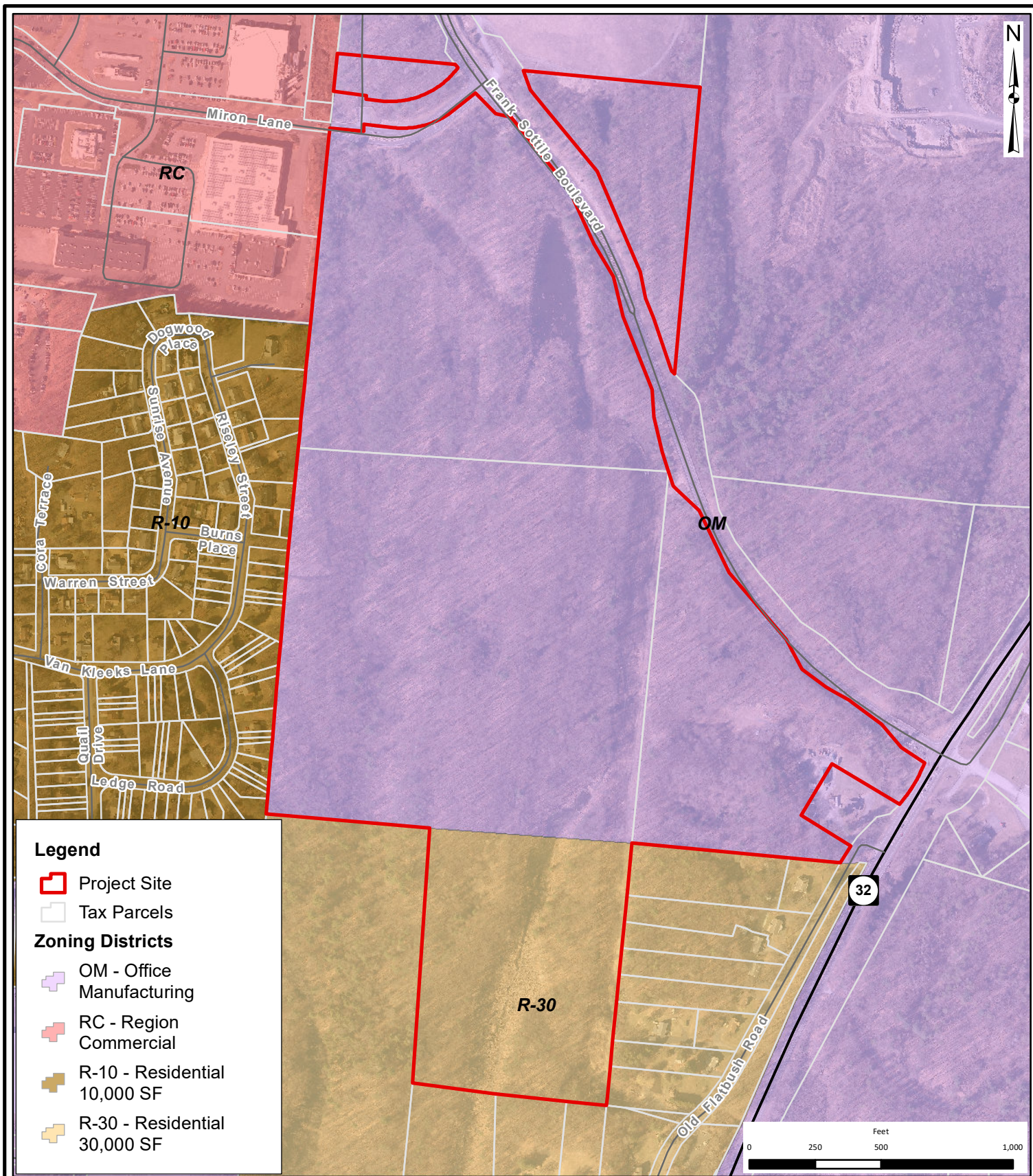
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Lincoln Park Grid Support Center

Orthophoto Tax Map of Development Area

State Route 32, Town of Ulster - Ulster County, NY

| | |
|----------|-----------------|
| Drawn: | RLB |
| Date: | 11/3/2017 |
| Scale: | 1 in = 200 feet |
| Project: | 31788.01 |
| Figure: | 3 |



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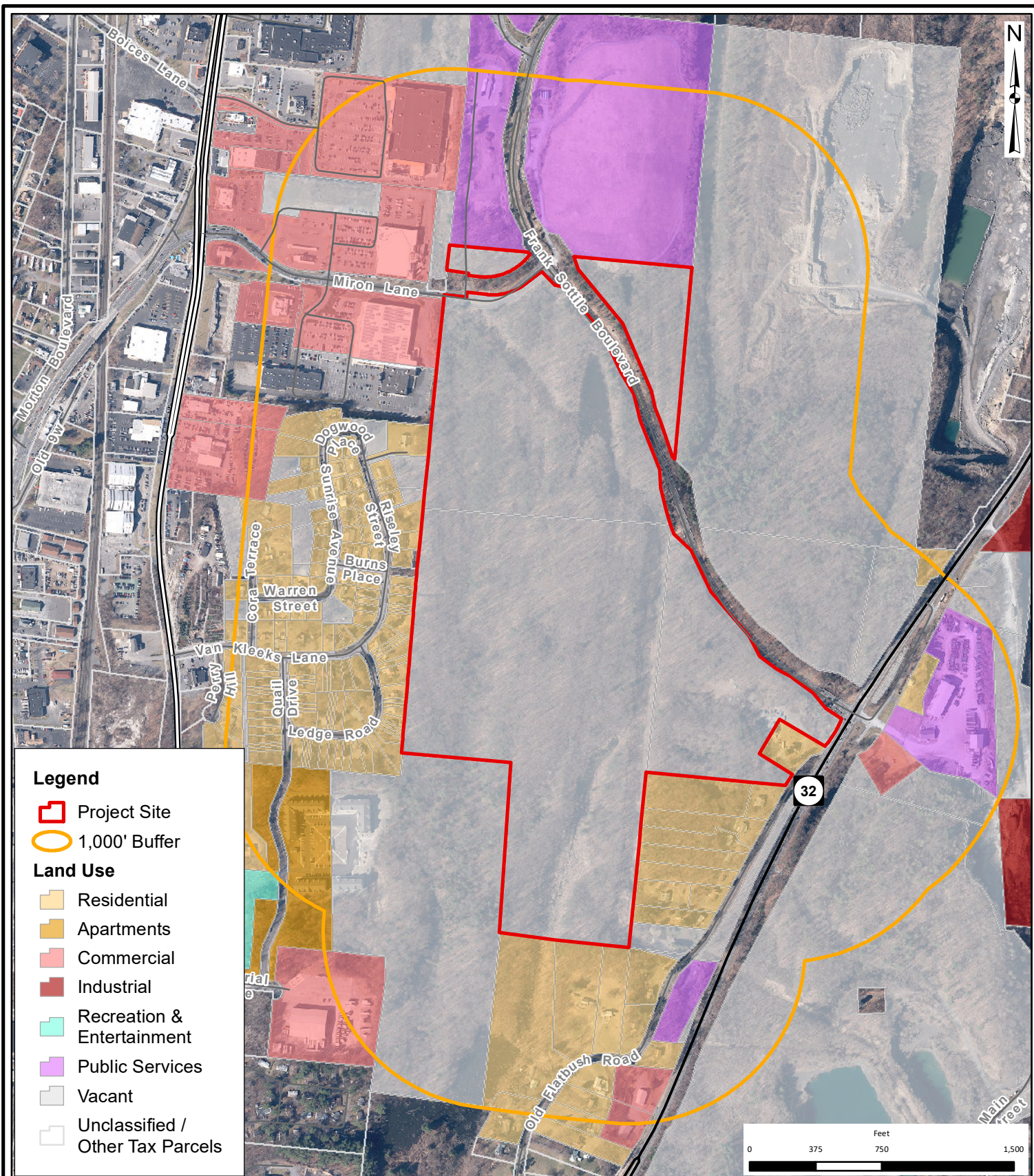
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Phone: (518) 812-0513

Lincoln Park Grid Support Center

Zoning Map

State Route 32, Town of Ulster - Ulster County, NY

| | |
|----------|-----------------|
| Drawn: | RLB |
| Date: | 11/3/2017 |
| Scale: | 1 in = 500 feet |
| Project: | 31788.01 |
| Figure: | 4 |



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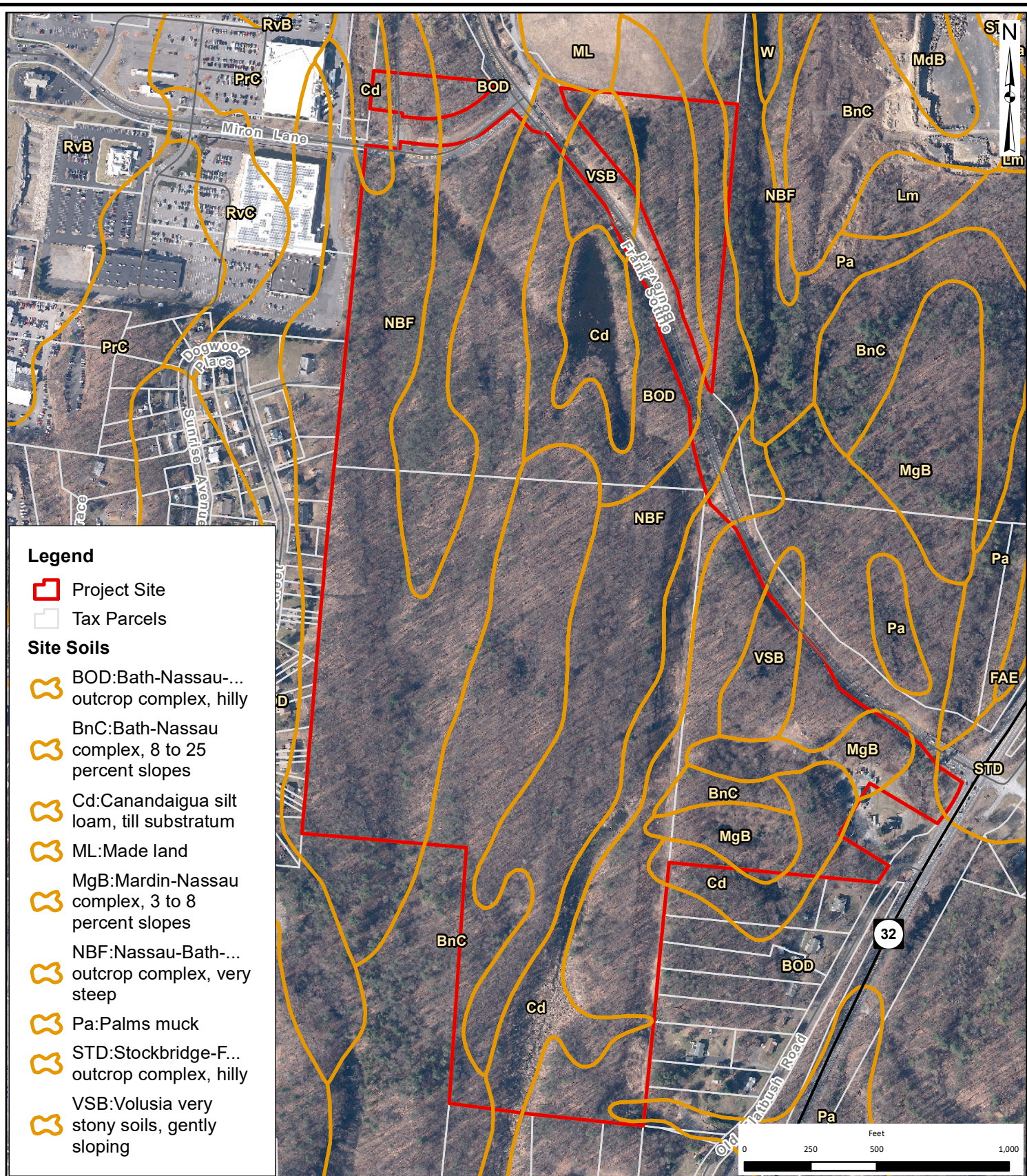
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Lincoln Park Grid Support Center

Land Use Map

State Route 32, Town of Ulster - Ulster County, NY

| | |
|----------|-----------------|
| Drawn: | RLB |
| Date: | 11/3/2017 |
| Scale: | 1 in = 750 feet |
| Project: | 31788.01 |
| Figure: | 5 |



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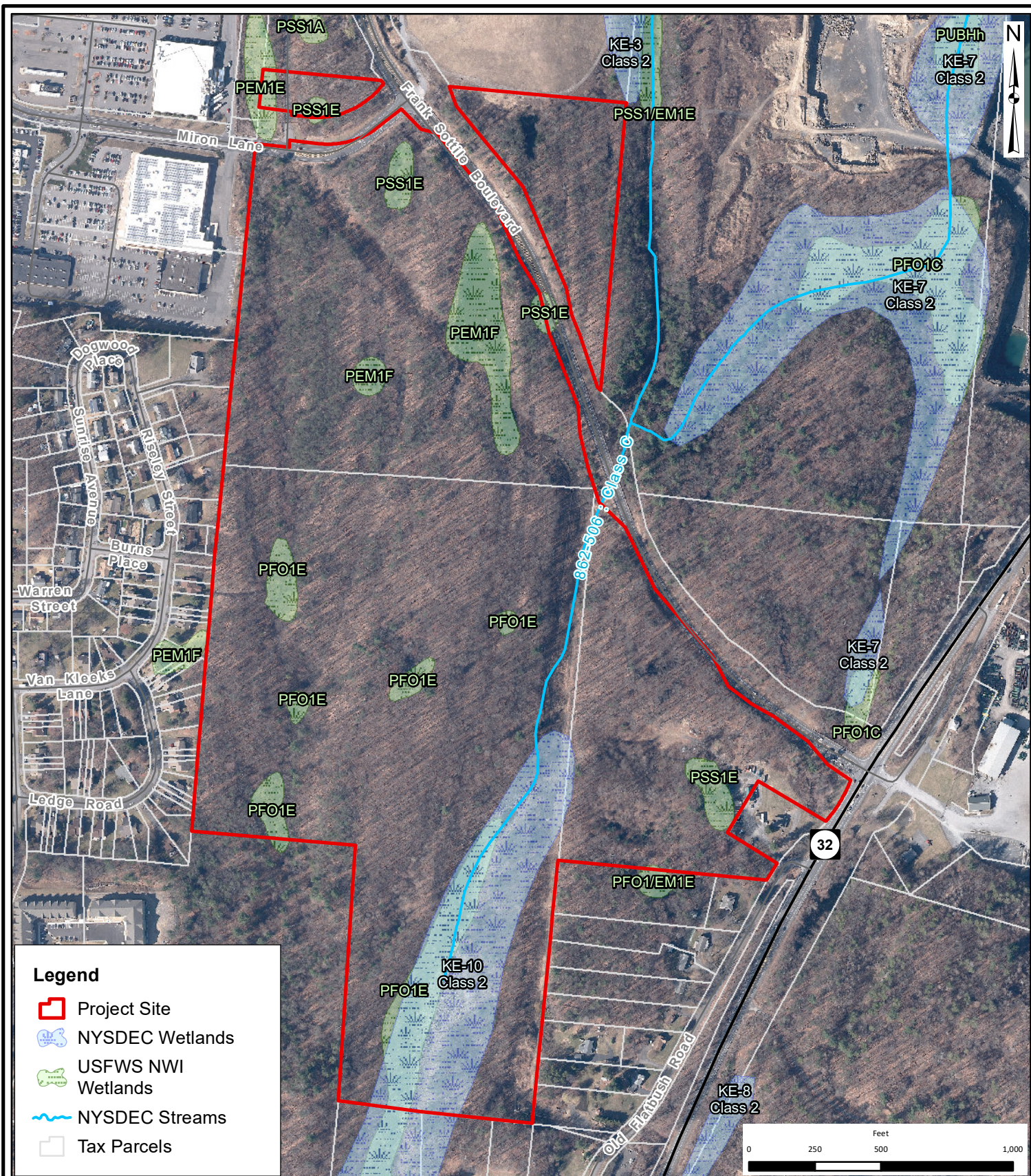
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Soils Map

State Route 32, Town of Ulster - Ulster County, NY

| | |
|----------|-----------------|
| Drawn: | RLB |
| Date: | 11/3/2017 |
| Scale: | 1 in = 500 feet |
| Project: | 31788.01 |
| Figure: | 6 |



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Wetland and Streams Map

State Route 32, Town of Ulster - Ulster County, NY

| | |
|----------|-----------------|
| Drawn: | RLB |
| Date: | 11/3/2017 |
| Scale: | 1 in = 500 feet |
| Project: | 31788.01 |
| Figure: | 7 |

Figure 8
NYSDEC Environmental Resource Map

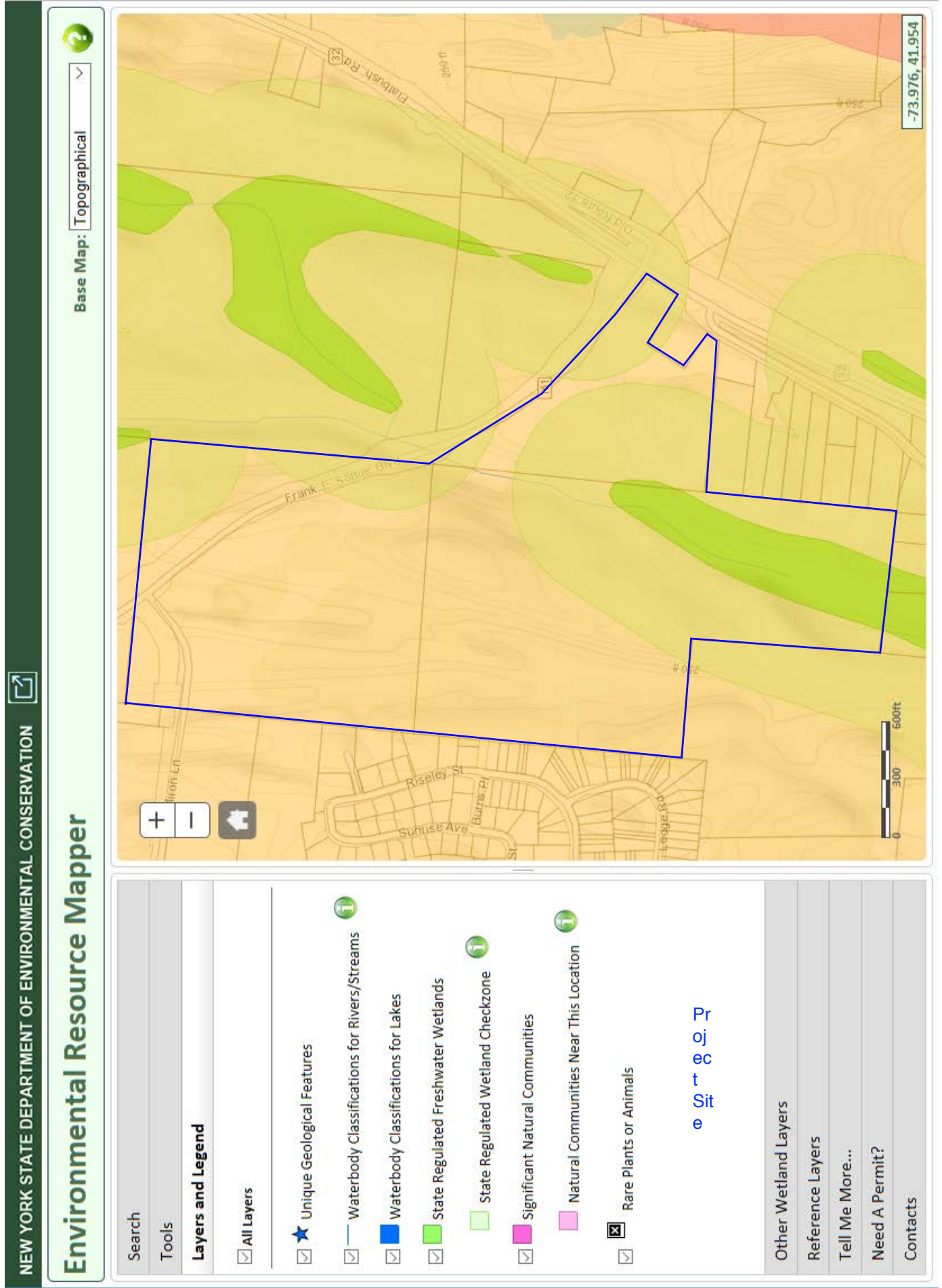
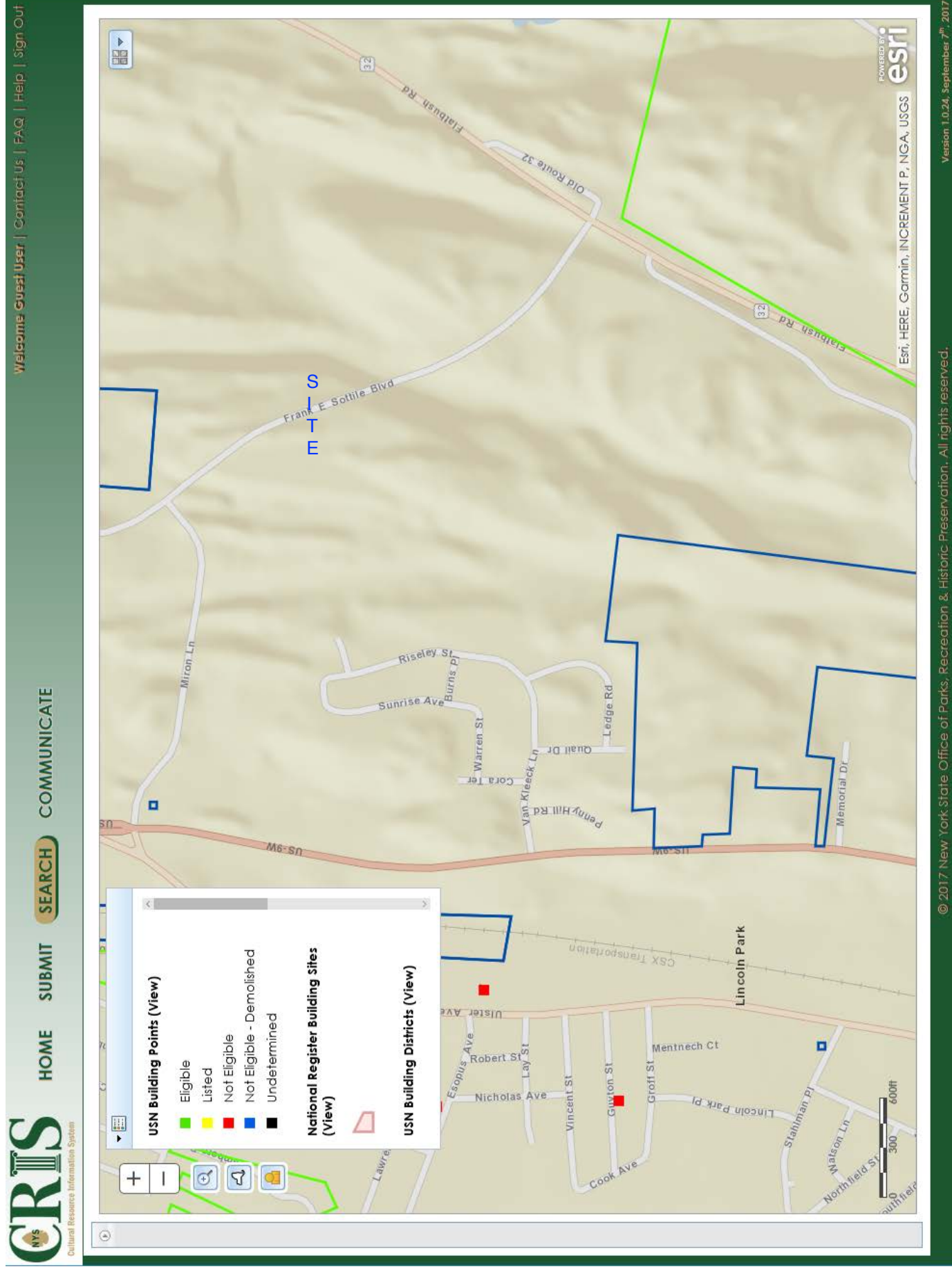


Figure 9
NYS Office of Parks, Recreation, and Historic Preservation
Cultural Resource Information System (CRIS) Map



ATTACHMENT A

NYSDEC Correspondence and USFWS IPaC Resource List

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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

September 13, 2017

David MacDougall
Chazen Companies
547 River Street
Troy, NY 12180

Re: Lincoln Park
County: Ulster Town/City: Kingston

Dear Mr. MacDougall:

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

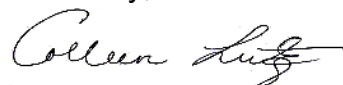
We have no records of rare or state-listed animals or plants, or significant natural communities directly on the project site.

About 1.5 miles from the project site is a documented winter hibernaculum of **Northern long-eared bat** (*Myotis septentrionalis*, state and federally listed as Threatened). These bats may travel five miles or more from documented locations. The main impact of concern for bats is the cutting or removal of potential roost trees. For information about any permit considerations for your project, contact the Permits staff at the NYSDEC Region 3 Office at dep.r3@dec.ny.gov, (845) 256-3054. For information about potential impacts of your project on this species and how to avoid, minimize, or mitigate any impacts, contact the Region 3 Wildlife staff at Wildlife.R3@dec.ny.gov, (845) 256-3098.

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 NYS DEC Region 3 Office, Division of Environmental Permits, as listed at www.dec.ny.gov/about/39381.html.

Sincerely,



Colleen Lutz
Assistant Biologist
New York Natural Heritage Program



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IPaC**U.S. Fish & Wildlife Service**

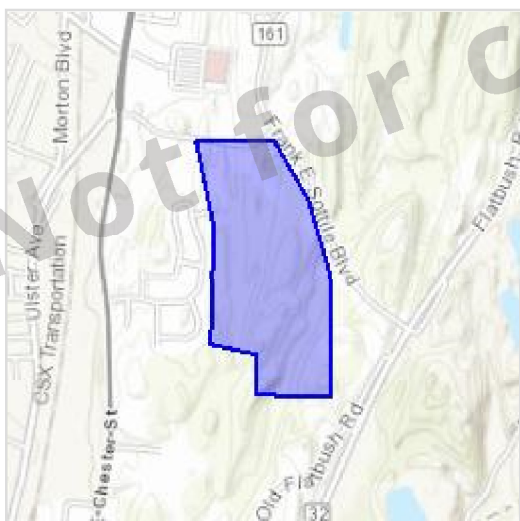
IPaC resource list

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

Below is a summary of the project information you provided and contact information for the USFWS 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

Ulster County, New York



Local office

New York Ecological Services Field Office

☎ (607) 753-9334

📠 (607) 753-9699

3817 Luker Road
Cortland, NY 13045-9349

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

Not for consultation

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 species

¹ are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service.

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.

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

Mammals

| NAME | STATUS |
|--|------------|
| Indiana Bat <i>Myotis sodalis</i> There is a final critical habitat designated for this species. Your location is outside the designated critical habitat. https://ecos.fws.gov/ecp/species/5949 | Endangered |
| Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9045 | Threatened |

Reptiles

| NAME | STATUS |
|--|------------|
| Bog Turtle <i>Clemmys muhlenbergii</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6962 | Threatened |

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 Act

¹ and the Bald and Golden Eagle Protection Act².

Any activity that results in the take (to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct) of migratory birds or eagles is prohibited unless authorized by the U.S. Fish and Wildlife Service

³. There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

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

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.
3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

Additional information can be found using the following links:

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

The migratory birds species listed below are species of particular conservation concern (e.g. [Birds of Conservation Concern](#)) that may be potentially affected by activities in this location. It is not a list of every bird species you may find in this location, nor a guarantee that all of the bird species on this list will be found on or near this location. Although it is important to try to avoid and minimize impacts to all birds, special attention should be made to avoid and minimize impacts to birds of priority concern. To view available data on other bird species that may occur in your project area, please visit the [AKN Histogram Tools](#) and [Other Bird Data Resources](#). To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

| NAME | SEASON(S) |
|---|------------|
| American Bittern <i>Botaurus lentiginosus</i> https://ecos.fws.gov/ecp/species/6582 | Breeding |
| Bald Eagle <i>Haliaeetus leucocephalus</i> https://ecos.fws.gov/ecp/species/1626 | Year-round |
| Black-billed Cuckoo <i>Coccyzus erythrophthalmus</i> https://ecos.fws.gov/ecp/species/9399 | Breeding |

| | | |
|---------------------------|---|-----------|
| Black-crowned Night-heron | <i>Nycticorax nycticorax</i> https://ecos.fws.gov/ecp/species/6487 | Breeding |
| Blue-winged Warbler | <i>Vermivora pinus</i> | Breeding |
| Canada Warbler | <i>Wilsonia canadensis</i> | Breeding |
| Cerulean Warbler | <i>Dendroica cerulea</i> https://ecos.fws.gov/ecp/species/2974 | Breeding |
| Golden-winged Warbler | <i>Vermivora chrysoptera</i> https://ecos.fws.gov/ecp/species/8745 | Breeding |
| Least Bittern | <i>Ixobrychus exilis</i> https://ecos.fws.gov/ecp/species/6175 | Breeding |
| Olive-sided Flycatcher | <i>Contopus cooperi</i> https://ecos.fws.gov/ecp/species/3914 | Breeding |
| Peregrine Falcon | <i>Falco peregrinus</i> https://ecos.fws.gov/ecp/species/8831 | Breeding |
| Pied-billed Grebe | <i>Podilymbus podiceps</i> | Breeding |
| Prairie Warbler | <i>Dendroica discolor</i> | Breeding |
| Red-headed Woodpecker | <i>Melanerpes erythrocephalus</i> | Breeding |
| Rusty Blackbird | <i>Euphagus carolinus</i> | Wintering |
| Short-eared Owl | <i>Asio flammeus</i> https://ecos.fws.gov/ecp/species/9295 | Wintering |
| Willow Flycatcher | <i>Empidonax traillii</i> https://ecos.fws.gov/ecp/species/3482 | Breeding |

Wood Thrush *Hylocichla mustelina*

Breeding

Worm Eating Warbler *Helmitheros vermivorum*

Breeding

What does IPaC use to generate the list of migratory bird species potentially occurring in my specified location?

Landbirds:

Migratory birds that are displayed on the IPaC species list are based on ranges in the latest edition of the National Geographic Guide, Birds of North America (6th Edition, 2011 by Jon L. Dunn, and Jonathan Alderfer). Although these ranges are coarse in nature, a number of U.S. Fish and Wildlife Service migratory bird biologists agree that these maps are some of the best range maps to date. These ranges were clipped to a specific Bird Conservation Region (BCR) or USFWS Region/Regions, if it was indicated in the 2008 list of Birds of Conservation Concern (BCC) that a species was a BCC species only in a particular Region/Regions. Additional modifications have been made to some ranges based on more local or refined range information and/or information provided by U.S. Fish and Wildlife Service biologists with species expertise. All migratory birds that show in areas on land in IPaC are those that appear in the 2008 Birds of Conservation Concern report.

Atlantic Seabirds:

Ranges in IPaC for birds off the Atlantic coast are derived from species distribution models developed by the National Oceanic and Atmospheric Association (NOAA) National Centers for Coastal Ocean Science (NCCOS) using the best available seabird survey data for the offshore Atlantic Coastal region to date. NOAA/NCCOS assisted USFWS in developing seasonal species ranges from their models for specific use in IPaC. Some of these birds are not BCC species but were of interest for inclusion because they may occur in high abundance off the coast at different times throughout the year, which potentially makes them more susceptible to certain types of development and activities taking place in that area. For more refined details about the abundance and richness of bird species within your project area off the Atlantic Coast, see the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other types of taxa that may be helpful in your project review.

About the NOAA/NCCOS models: the models were developed as part of the NOAA/NCCOS project: [Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#). The models resulting from this project are being used in a number of decision-support/mapping products in order to help guide decision-making on activities off the Atlantic Coast with the goal of reducing impacts to migratory birds. One such product is the [Northeast Ocean Data Portal](#), which can be used to explore details about the relative occurrence and abundance of bird species in a particular area off the Atlantic Coast.

All migratory bird range maps within IPaC are continuously being updated as new and better information becomes available.

Can I get additional information about the levels of occurrence in my project area of specific birds or groups of birds listed in IPaC?

Landbirds:

The [Avian Knowledge Network \(AKN\)](#) provides a tool currently called the "Histogram Tool", which draws from the data within the AKN (latest, survey, point count, citizen science datasets) to create a view of relative abundance of species within a particular location over the course of the year. The results of the tool depict the frequency of detection of a species in survey events, averaged between multiple datasets within AKN in a particular week of the year. You may access the histogram tools through the [Migratory Bird Programs AKN Histogram Tools](#) webpage.

The tool is currently available for 4 regions (California, Northeast U.S., Southeast U.S. and Midwest), which encompasses the following 32 states: Alabama, Arkansas, California, Connecticut, Delaware, Florida, Georgia, Illinois, Indiana, Iowa, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, New Hampshire, New Jersey, New York, North Carolina, Ohio, Pennsylvania, Rhode Island, South Carolina, Tennessee, Vermont, Virginia, West Virginia, and Wisconsin.

In the near future, there are plans to expand this tool nationwide within the AKN, and allow the graphs produced to appear with the list of trust resources generated by IPaC, providing you with an additional level of detail about the level of occurrence of the species of particular concern potentially occurring in your project area throughout the course of the year.

Atlantic Seabirds:

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.

Facilities

Wildlife refuges

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

THERE ARE NO REFUGES 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](#).

This location overlaps the following wetlands:

FRESHWATER EMERGENT WETLAND

[PEM1F](#)

[PEM1E](#)

FRESHWATER FORESTED/SHRUB WETLAND

[PFO1E](#)

[PSS1E](#)

A full description for each wetland code can be found at the National Wetlands Inventory website: <https://ecos.fws.gov/ipac/wetlands/decoder>

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.

Not for consultation