

**Environmental Assessment
Determinations and Compliance Findings for HUD-assisted Projects
24 CFR Part 58**

Project Information

Project Name: Essex North Shore Building Project

Responsible Entity: Town of Middleton

Grant Recipient (if different than Responsible Entity): Essex North Shore Agricultural and Technical School District

State/Local Identifier: Massachusetts

Preparer: Todd Scheffer, P.G., SRW Environmental Consulting, LLC

Certifying Officer Name and Title: Justin Sultzbach, Town Administrator

Grant Recipient (if different than Responsible Entity):

Consultant (if applicable): SRW Environmental Consulting, LLC

Direct Comments to: Anna Bury Carmer, Town Planner

Project Location: 565 Maple Street, Danvers, Massachusetts

Description of the Proposed Project [24 CFR 50.12 & 58.32; 40 CFR 1508.25]:

This environmental review is being completed as a condition to access FY2024 Economic Development Initiative Community Project Funding (CPF) funding. According to HUD's FV2024 Economic Development Initiative Community Project Funding Grant Guide, grantees can proceed with work covered by contracts that predate the date of receipt of the Letter of Invitation at their own risk. The risk would be causing irreversible environmental impact after "federalization" of the project, which is March 9, 2024 for this project.

24 CFR Part 58.22(a), Limitations on Activities Pending Clearance, indicates that "Neither a recipient nor any participant in the development process, including public or private nonprofit or for-profit entities, or any of their contractors, may commit HUD assistance under a program listed in [§ 58.1\(b\)](#) on an activity or project until HUD or the state has approved the recipient's RROF and the related certification from the responsible entity. In addition, until the RROF and the related certification have been approved, neither a recipient nor any participant in the development process may commit non-HUD funds on or undertake an activity or project under a program listed in [§ 58.1\(b\)](#) if the activity or project would have an adverse environmental impact or limit the choice of reasonable alternatives." No HUD assistance has been committed to, and no physical activities performed for, the proposed project.

The proposed project activities include the construction of a new, 225 square foot building, outdoor area, small parking lot and paving of the existing gravel road from the newly installed parking lot to the west, through to the new building. The proposed building location is currently a small training lumber mill on a concrete pad, accessed by an existing internal gravel campus road. Subsurface utilities will be extended to the site from the westerly adjacent parking lot and under the existing gravel road.

The total area of the project is estimated to be 0.43 acres, most of which has been previously disturbed. The currently undisturbed portion is a steep slope on the north side of the proposed development.

Statement of Purpose and Need for the Proposal [40 CFR 1508.9(b)]:

The goal of the proposed project is to establish a location on campus for the non-profit, Companies2Heroes, a unique service dog training program specializing in guided/assisted self-training of service dogs working with combat veterans from all wars who are suffering and diagnosed with PTS, TBI or MST, and to provide additional veteran services.

Existing Conditions and Trends [24 CFR 58.40(a)]: According to information from the Wounded Warrior Project, military service members face greater exposure to hazards, increasing the risk of brain injuries from training exercises, blasts, or combat-related incidents. Deployment also increases the risk of post-traumatic stress disorder (PTSD), with some studies indicating that deployed service members are three times more likely to develop PTSD than those who did not. The Traumatic Brain Injury Center of Excellence reports that more than 485,500 military personnel were diagnosed with a TBI between 2000 and the second quarter of 2023. Data from VA estimates at least 20% of post-9/11 veterans carry a TBI diagnosis.

Funding Information

Grant Number	HUD Program	Funding Amount
B-24-CP-MA-0968	CPF	850,000

Estimated Total HUD Funded Amount: \$850,000

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$1,000,000

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 and 58.6		
Airport Hazards 24 CFR Part 51 Subpart D	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The subject property is not located within an airport clear zone screening area of any Part 139 civilian airport (>2,500 feet from the runway) or military airfield (>15,000 feet from the runway). The nearest part 139 civilian airport is the Logan Airport, located approximately 14.5 miles away from the subject property. The proposed project is in compliance with this regulation. Source: SRW map of Part 139 airports and military airfields.
Coastal Barrier Resources Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The subject property is not located within a coastal barrier zone. Source: US Fish and Wildlife Service Coastal Barrier Resources System Mapper.
Flood Insurance Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The subject property is not located in the 100 year floodplain, and therefore, flood insurance is not required, and compliance is achieved. Source: FEMA Flood Insurance Rate map panel #25009C0401G, dated 7/8/2025.
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 & 58.5		
Clean Air Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The subject property is not located in a non-attainment area, and the proposed project will not contribute to a non-attainment condition. Compliance with this resource is achieved. Source: NEPAssist Air Quality Report.
Coastal Zone Management Coastal Zone Management Act, sections 307(c) & (d)	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The proposed project is not located within a designated Coastal Zone. Source: NH Granit Coastal Viewer.
Contamination and Toxic Substances 24 CFR Part 50.3(i) & 58.5(i)(2)	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	Todd Scheffer, P.G., meets the definition of an environmental professional as defined by ASTM 1527-21. SRW reviewed EPA and Massachusetts Department of Environmental Protection (MADEP) maps and databases and has determined that although several releases have occurred on the greater campus of Essex North Shore Agricultural and Technical School, the proposed action is not part of an

		<p>environmental release site. Additionally, given known extents of contamination plumes (if any) and local groundwater flow directions, no off-site release sites, or releases sites in other locations on the campus, appear to pose a risk of impact to the intended users of the proposed building. Furthermore, SRW identified no evidence of environmental contamination in the area of the proposed project during our site inspection. SRW has determined that there are no hazards that will affect health and safety of the occupants or conflict with the intended use of the site. Mitigation measures are not required. This meets HUD's compliance standards for non-FHA-insured programs.</p> <p>The Center of Disease Control (CDC) National Environmental Public Health Tracking Network GIS for radon test results show that Essex County has an average radon concentration of 3.8 pCi/l over a 10 year period, and according to HUD regulations, further assessment of radon is not required. Source: SRW file review table, MADEP spill sites GIS, select documents from MADEP for nearby sites, SRW site inspection and CDC radon maps.</p>
<p>Endangered Species</p> <p>Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402</p>	<p>Yes No</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/></p>	<p>According to the USFWS Official Species List, there is one federal endangered species, the Northern Long-eared Bat (NLEB), one federally proposed endangered species, the Tri-colored Bat (TCB) and one proposed threatened species, the Monarch Butterfly, with potential to be found within the vicinity of the proposed project. Using the USFWS Determination Key, USFWS has made a determination of Not Likely to Adversely Affect for both the NLEB and TCB, conditioned on not cutting trees during the Summer Occupancy Season (Apr 15 – Sept 30). Further assessment for impacts to the proposed threatened species is not required at this time, however, the proposed action is not located in typical Monarch Butterfly habitat.</p> <p>The property is not the location of a Massachusetts Natural Heritage and Endangered Species Program priority habitat for rare species. However, where Bald Eagles have been known to exist in the area, a visual inspection for Bald Eagle nests will be completed prior to cutting trees.</p> <p>The subject property is not within the jurisdiction of the National Oceanic and Atmospheric</p>

		Administration (NOAA). Source: USFWS Official Species List; USFWS Determination Key, USFWS Northern Long-eared Bat and Tricolored Bat Determination Key; NHESP Priority Habitat Map; NOAA jurisdiction map.
Explosive and Flammable Hazards 24 CFR Part 51 Subpart C	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	Based on the most current satellite imagery the subject property is located beyond the Acceptable Separation Distance (ASD) of any bulk Aboveground Storage Tanks (ASTs) over 1,000 gallons in volume in the vicinity of the site. SRW also observed no regulated ASTs from the area of the proposed project. Source: SRW Explosive and Flammable Facilities Map.
Farmlands Protection Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The subject property is located within the US Census Bureau Boston Urban Area. Urban areas are by definition committed to urban development and are not subject to the Federal Farmland Protection Policy Act. Source: US Census Bureau TIGERweb GIS.
Floodplain Management Executive Order 11988, particularly section 2(a); 24 CFR Part 55	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	No FFRMS floodplain is present on the subject property and compliance is achieved. The FFRMS was determined using the existing 500 year floodplain. Source: FEMA Flood Insurance Rate map panel #25009C0401G, dated 7/8/2025.
Historic Preservation National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	<p>A Project Notification Form was completed and submitted to the Massachusetts Historical Commission (MHC) for the geothermal part of the project. MHC made a determination of unlikely to affect significant historic or archaeological resources.</p> <p>The Town of Middleton initiated tribal consultation with two tribes which might have interests in the area of the proposed development. By not replying to the requests, the tribes have indicated that they do request further consultation.</p> <p>Source: PNF dated January 17, 2025 with May 28, 2025 signoff; Tribal consultation letters dated May 7, 2025.</p>
Noise Abatement and Control Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The proposed project is not a noise sensitive use and not at a development with noise sensitive uses. Additionally, the proposed development is not within 1000 feet of major thoroughfares. It is just within 15 miles of the Logan International Airport, but the 65 decibel contour at the airport extends less than 2 miles toward the proposed project. The completion of a DNL calculation is

		not required. The closest wetland to the proposed project is over 400 feet to the south. and the project is in compliance with this regulation Source: HUD CFR Part 51 Subpart B; MassDOT traffic map, Logan Airport DNL Contour map.
Sole Source Aquifers Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The subject property is not located any sole source aquifer. Source: EPA Sole Source Aquifer Map.
Wetlands Protection Executive Order 11990, particularly sections 2 and 5	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	There are no federally mapped wetlands on or adjacent to the proposed project and no potential wetlands observed on the site during the site visit. The closest federally mapped wetland to the proposed project is over 400 feet to the south. Site specific mapping shows the narrow arm of a vegetated wetland that exists approximately 42 feet east of the nearest new ground disturbance. However, because of the use of erosion protection measures during and after construction, no direct or indirect impacts to the wetlands are anticipated. Stormwater from the proposed project will be discharged onto the ground surface more than 80 feet north of the wetlands. Compliance is achieved. Source: USFWS Wetlands Mapper; site map.
Wild and Scenic Rivers Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	The subject property is not near any Wild and Scenic or Nationwide Rivers or Study Rivers and compliance is achieved. Source: NPS Wild and Scenic River; Nationwide Rivers Inventory Maps; Wild & Scenic River Studies
ENVIRONMENTAL JUSTICE		
Environmental Justice Executive Order 12898	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	Executive Order 12898 has been rescinded.

Environmental Assessment Factors [24 CFR 58.40; Ref. 40 CFR 1508.8 &1508.27] Recorded below is the qualitative and quantitative significance of the effects of the proposal on the character, features and resources of the project area. Each factor has been evaluated and documented, as appropriate and in proportion to its relevance to the proposed action. Verifiable source documentation has been provided and described in support of each determination, as appropriate. Credible, traceable and supportive source documentation for each authority has been provided. Where applicable, the necessary reviews or consultations have been completed and applicable permits of approvals have been obtained or noted. Citations, dates/names/titles of contacts, and page references are clear. Additional documentation is attached, as appropriate. **All conditions, attenuation or mitigation measures have been clearly identified.**

Impact Codes: Use an impact code from the following list to make the determination of impact for each factor.

- (1) Minor beneficial impact
- (2) No impact anticipated
- (3) Minor Adverse Impact – May require mitigation
- (4) Significant or potentially significant impact requiring avoidance or modification which may require an Environmental Impact Statement

Environmental Assessment Factor	Impact Code	Impact Evaluation
LAND DEVELOPMENT		
Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design	2	The project is a small building on a large campus of a school. It is compatible with the current land use in utility and size.
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	2	The proposed building is near the base of a slope and will be built into the slope. It will be designed to withstand the horizontal pressures of the slope. A retaining wall will be constructed in order to level the outdoor area on the east side of the project area. There is a potential for erosion, but erosion control measures will be used.
Hazards and Nuisances including Site Safety and Noise	2	No known hazards or nuisances exist at the property. The project will contribute to community noise levels temporarily during construction. Construction will be limited to normal working hours.
Energy Consumption	2	The proposed building will be constructed using modern building materials and insulation and use low flow fixtures and LED lighting.

Environmental Assessment Factor	Impact Code	Impact Evaluation
SOCIOECONOMIC		
Employment and Income Patterns	1	Temporary employment opportunities will result from the project's activities during the construction period, but the project should otherwise not impact employment or income patterns.
Demographic Character Changes, Displacement	2	The project will not result in demographic or character changes and there will not be displacement.

Environmental Assessment Factor	Impact Code	Impact Evaluation
COMMUNITY FACILITIES AND SERVICES		
Educational and Cultural Facilities	1	The project is at a regional school and any impacts from the proposed activities will be positive.
Commercial Facilities	2	The proposed project will have a no significant impact on commercial facilities in the area.
Health Care and Social Services	1	The goal of the proposed project is to establish a location on campus for the non-profit, Companies2Heroes, a unique service dog training program specializing in guided/assisted self-training of service dogs working with combat veterans from all wars who are suffering and diagnosed with PTS, TBI or MST, and to provide additional veteran services.
Solid Waste Disposal / Recycling	2	Waste materials will be generated during construction, but otherwise the project will have no significant impact on solid waste generation or recycling.
Waste Water / Sanitary Sewers	2	The Essex North Shore Campus is served by the South Essex Sewer District sewer system, which has a capacity of 29.7 million gallons per day (MGD) and currently treats approximately 25 MGD. The connection of the proposed building will not overburden the municipal sewer system.
Water Supply	2	The proposed project is at a building that will be served by the municipal water system. The Vernon C. Russell Water Treatment Plant, located at Middleton Pond, opened in 1976. On average, 2.92 MGD are treated by the system. There are also secondary reservoirs at Emerson Brook in Middleton and Swan Pond in North Reading. In addition to these surface water supplies, the Town of Danvers has two water supply wells. Well #1 is located in Middleton, and Well #2 is located in Danvers. If necessary, water can also be purchased from the Cities of Beverly and Peabody through interconnections in the distribution system. The addition of municipal water in the proposed building will not overburden the municipal water system.
Public Safety - Police, Fire and Emergency Medical	2	The proposed project is at a school campus, and the activities of the project will not impact the ability of public safety, fire or emergency services to serve the facility.
Parks, Open Space and Recreation	2	The proposed project will not impact open space or recreational facilities associated with the school campus.
Transportation and Accessibility	2	The proposed project will not impact transportation or pose any accessibility impacts.

Environmental Assessment Factor	Impact Code	Impact Evaluation
NATURAL FEATURES		
Unique Natural Features, Water Resources	2	The proposed project will not impact any unique natural features or water resources.
Vegetation, Wildlife	2	The proposed project is located in a developed area of a school campus. Completion of the proposed project will not impact wildlife travel corridors or eliminate critical habitat.
Other Factors:		

Additional Studies Performed: None

Field Inspection (Date and completed by): December 18, 2024 by Todd Scheffer of SRW

Cumulative Impact Analysis: The project is not dependent on the completion of any other project to be successful, and completion of the project is not likely to encourage additional development. A separate Environmental Review was completed at a project connected by the timing of both projects. No other cumulative impact analysis was warranted.

List of Sources, Agencies and Persons Consulted [40 CFR 1508.9(b)]:

USFWS Coastal Barriers Resources Act map; Federal Emergency Management Agency; NEPAassist; NH Coastal Viewer; USFWS Information for Planning and Conservation; National Oceanic and Atmospheric Administration GIS, U.S. Department of Agriculture Natural Resources Conservation Service; US Census Bureau GIS, Environmental Protection Agency Sole Source Aquifers map; U.S. National Park Service Wild and Scenic Rivers database; Nationwide Rivers Program map, CDC radon potential maps ; EPA Cleanups in My Community GIS, MADEP Searchable Site List /GIS, Site Plans

List of Permits Obtained: No permits specific for the Environmental Review are required.

Alternatives [24 CFR 58.40(e); 40 CFR 1508.9]

One alternative that was considered but not selected was to construct the building as an addition to a building currently under construction on the south side of Maple Street, though this alternative was not considered the first choice, and was only an alternative if the proposed project was not practical.

No Action Alternative [24 CFR 58.40(e)]: If the proposed project did not move forward the school would miss an opportunity to provide a much needed service. Site conditions would remain as they currently exist.

Summary of Findings and Conclusions: This HUD Environmental Assessment concludes that an Environmental Impact Statement (EIS) is not required for the project activities associated with this project. A Finding of No Significant Impact has been determined.

Mitigation Measures and Conditions [40 CFR 1505.2(c)]

Summarize below all mitigation measures adopted by the Responsible Entity to reduce, avoid, or eliminate adverse environmental impacts and to avoid non-compliance or non-conformance with the above-listed authorities and factors. These measures/conditions must be incorporated into project contracts, development agreements, and other relevant documents. The staff responsible for implementing and monitoring mitigation measures should be clearly identified in the mitigation plan.

Law, Authority, or Factor	Mitigation Measure
Endangered Species	Tree cutting must be completed outside of the summer occupancy period (April 15 – September 30). Trees to be removed must be visually inspected for the existence of Bald Eagles nests prior to cutting.

Determination: (this will be checked by the ER Preparer):

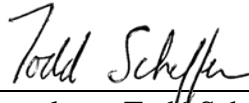
☒ **Finding of No Significant Impact** [24 CFR 58.40(g)(1); 40 CFR 1508.27]

The project will not result in a significant impact on the quality of the human environment.

☐ **Finding of Significant Impact** [24 CFR 58.40(g)(2); 40 CFR 1508.27]

The project may significantly affect the quality of the human environment.

ER Consultant Signature: _____



Date: 7/9/2025

ER Consultant; Todd Scheffer, P.G.

ER Consultant Company: SRW Environmental Consulting, LLC

ER Consultant Address: 143 Rochester Hill Road, Rochester, NH

ER Preparer/PM Signature: _____

Date: _____

ER Preparer: Todd Scheffer, P.G.

Certifying Officer Signature: _____

Date: _____

This original, signed document and related supporting material must be retained on file by the Responsible Entity in an Environmental Review Record (ERR) for the activity/project (ref: 24 CFR Part 58.38) and in accordance with recordkeeping requirements for the HUD program(s).

Project Maps / Photos

Danvers, Massachusetts 01937

HANCOCK

ASSOCIATES

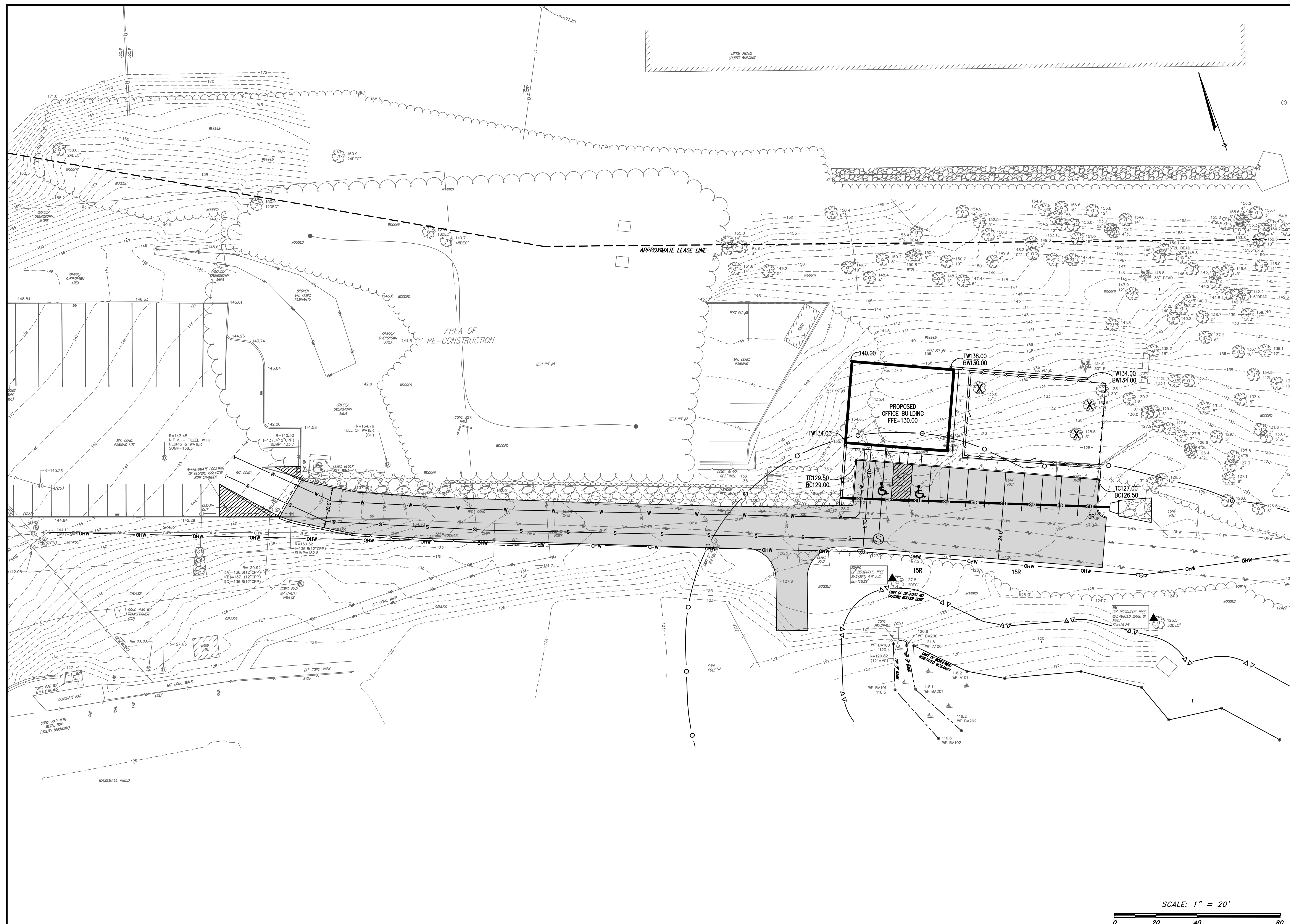
Wetland Scientists

[illegible]

CONCEPT PLAN
MANNING
OFFICE
BUILDING

PROJECT NO.:	24372
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K1





1.Area of the proposed project.



2. Area of the proposed project and westerly adjacent parking lot.



3.Area of the proposed project and land northeast of the proposed project.



4. Area of the proposed project, existing road and electrical utility.

Airport Hazards

Noise Threshold for **military airfields** and **civil airports** is 15 miles



Airport Clear Zones

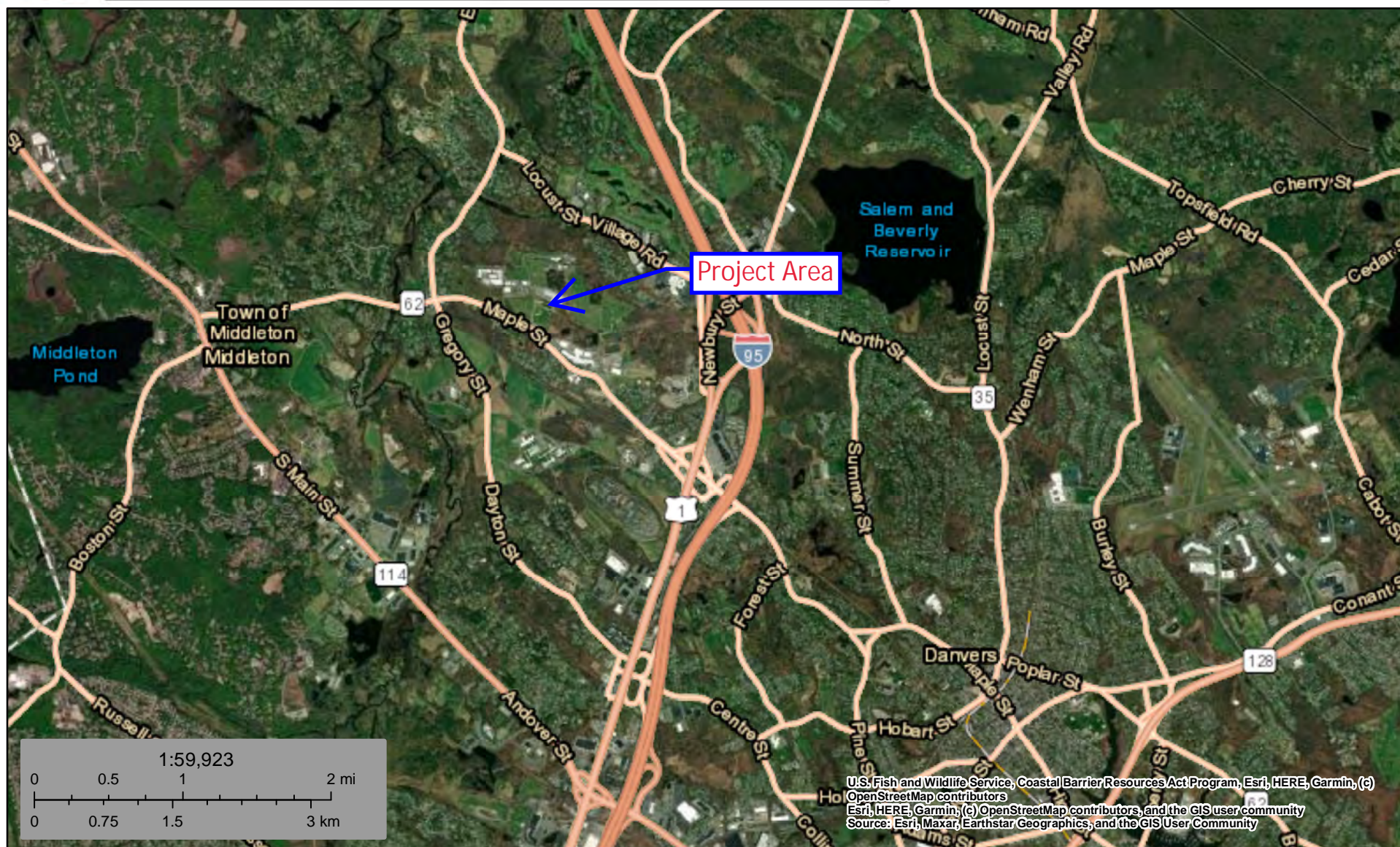
Military Airfields

Coastal Barrier Resources



U.S. Fish and Wildlife Service Coastal Barrier Resources System



Essex North Shore



February 27, 2025

 CBRS Buffer Zone

CBRS Units

 Otherwise Protected Area
 System Unit

This map is for general reference only. The Coastal Barrier Resources System (CBRS) boundaries depicted on this map are representations of the controlling CBRS boundaries, which are shown on the official maps, accessible at <https://www.fws.gov/library/collections/official-coastal-barrier-resources-system-maps>. All CBRS related data should be used in accordance with the layer metadata found on the CBRS Mapper website.

The CBRS Buffer Zone represents the area immediately adjacent to the CBRS boundary where users are advised to contact the Service for an official determination (<https://www.fws.gov/service/coastal-barrier-resources-system-property-documentation>) as to whether the property or project site is located "in" or "out" of the CBRS.

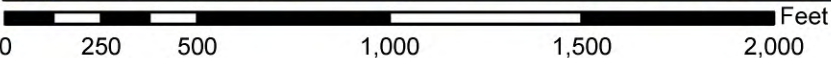
CBRS Units normally extend seaward out to the 20- or 30-foot bathymetric contour (depending on the location of the unit). The true seaward

This page was produced by the CBRS Mapper

**Flood Insurance and
Floodplain Management**

National Flood Hazard Layer FIRMMette

70°59'10"W 42°35'57"N



1:6,000

70°58'32"W 42°35'31"N

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

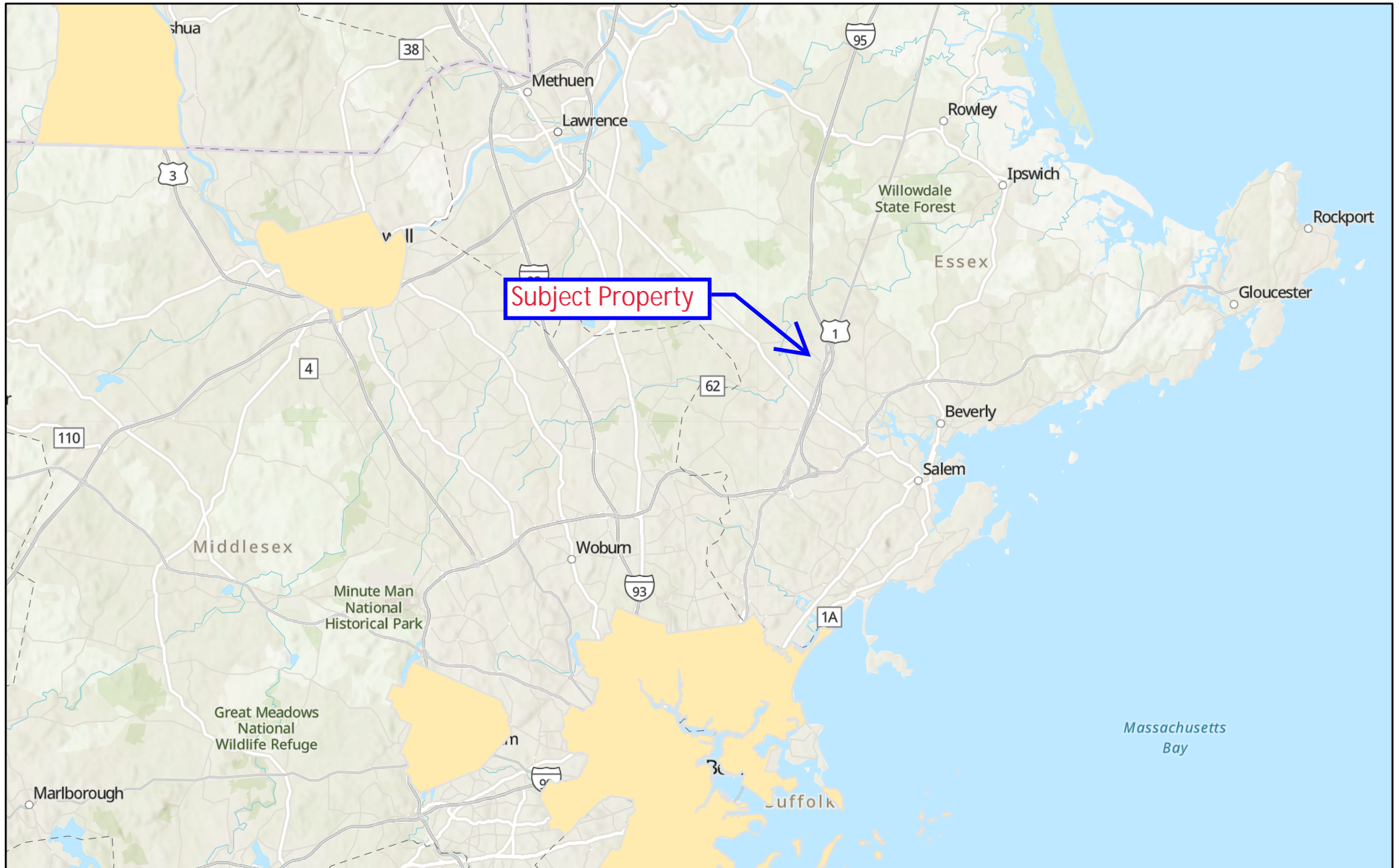
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/9/2025 at 5:28 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Clean Air

EPA Non-attainment Map

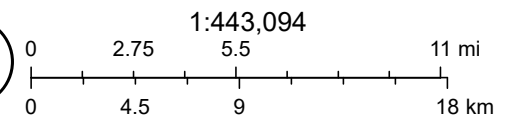


2/27/2025

CO (1971 Standard)

World Hillshade

Maintenance



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Sources: Esri, Airbus DS, USGS,

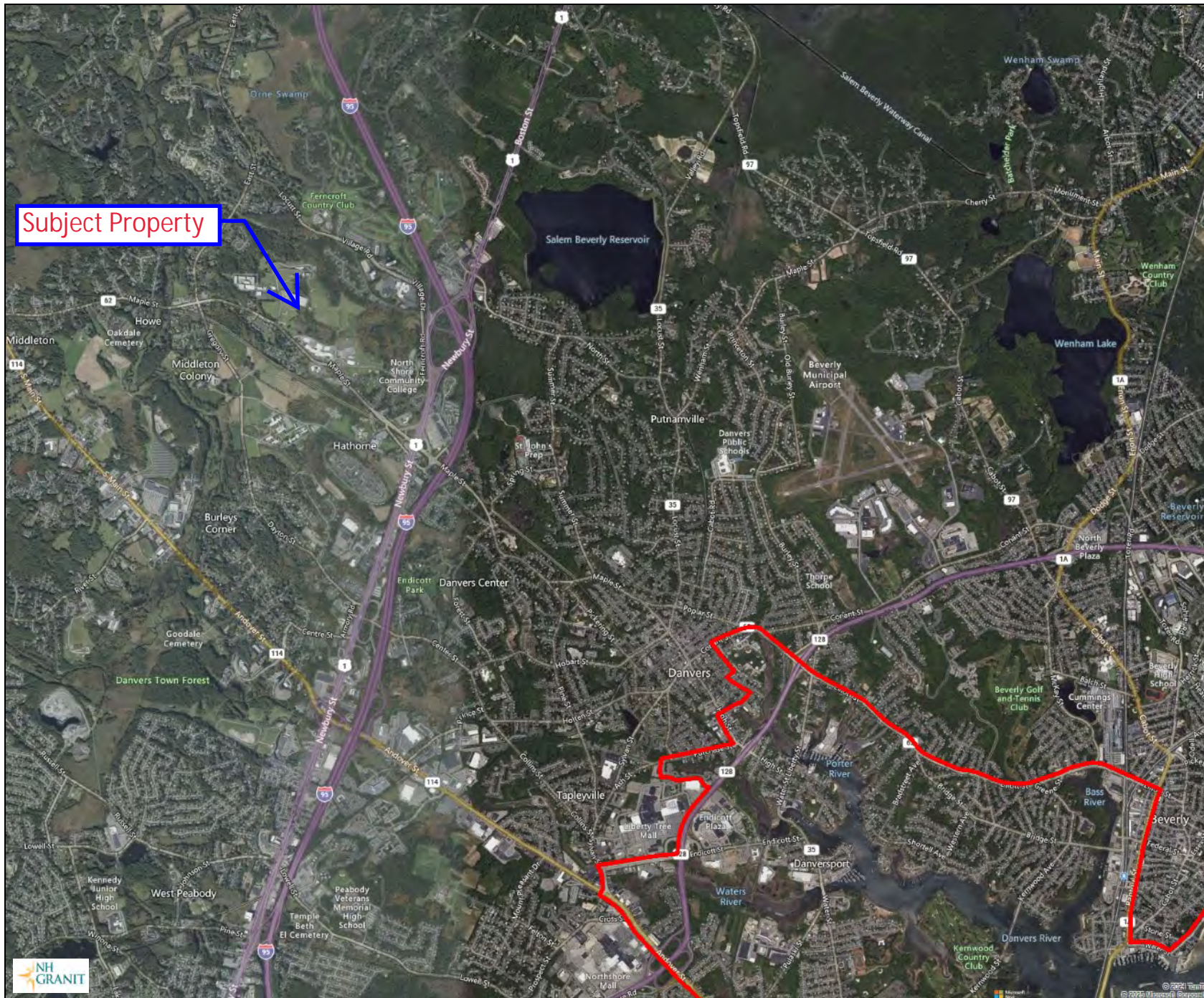
Coastal Zone Management

Map by NH GRANIT

Legend

— Coastal Zone Management
Boundary

Subject Property



Map Scale

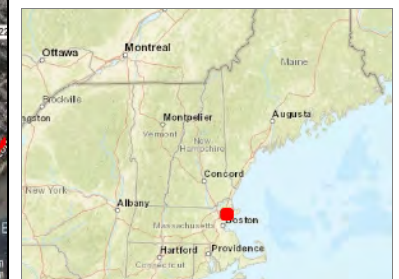
1: 50,000

© NH GRANIT, www.granit.unh.edu

Map Generated: 2/27/2025



Notes



Contamination and Toxic Substances



1.Area of the proposed project.



2. Area of the proposed project and westerly adjacent parking lot.



3.Area of the proposed project and land northeast of the proposed project.



4. Area of the proposed project, existing road and electrical utility.



5. Up the slope to the north of the project area.



6. Looking south at the vegetated wetland area in the distance.

DATABASE SEARCH RESULTS

FEDERAL RECORDS

- A) National Priority List Sites located within 1 mile of
Essex North Shore Building Project, Manning Avenue, Middleton, Massachusetts**

NONE ON FILE

Source: EPA Superfund Enterprise Management System database reviewed June 18, 2025
EPA NEPAassist GIS reviewed June 18, 2025

- B) CERCLIS (Active/Archived) Sites located within ½ mile of
Essex North Shore Building Project, Manning Avenue, Middleton, Massachusetts**

NONE ON FILE

Source: EPA Superfund Enterprise Management System database reviewed June 18, 2025
Status RO – Removal Only

- C) RCRA CORRACTS Facilities located within 1 mile of
Essex North Shore Building Project, Manning Avenue, Middleton, Massachusetts**

NONE ON FILE

Source: EPA RCRAInfo database reviewed June 18, 2025

- D) RCRA non-CORRACTS TSD Facilities located within ½ mile of
Essex North Shore Building Project, Manning Avenue, Middleton, Massachusetts**

NONE ON FILE

Source: EPA RCRAInfo database reviewed June 18, 2025

**E) RCRA Generator Facilities located at and adjacent to
Essex North Shore Building Project, Manning Avenue, Middleton, Massachusetts**

HANDLER ID	NAME	STREET	CITY	COUNTY	STATE
MAR000533026	ESSEX NORTH SHORE AGRICULTURAL AND TECHNICAL SCHOOL	565 MAPLE ST	DANVERS	ESSEX	MA

Source: EPA NEPAAssist GIS, reviewed on June 18, 2025

**F) Federal Institutional and Engineering Control Registry
Essex North Shore Building Project, Manning Avenue, Middleton, Massachusetts**

NONE ON FILE

Source: EPA Federal Institutional and Engineering Control Registry reviewed June 18, 2025

**G) Emergency Response Notification System Sites located at
Essex North Shore Building Project, Manning Avenue, Middleton, Massachusetts**

NONE ON FILE

Source: National Response System database (via rtknet.org) reviewed June 18, 2025

STATE RECORDS

H) Active Hazardous Waste /Petroleum Sites Located within 1/2 mile of Essex North Shore Building Project, Manning Avenue, Middleton, Massachusetts

RTN	City/Town	Release Address	Site Name Location Aid	Notification Date	Regulatory Date	Phase	RAO Class	Chemical Type
3-0051682	MIDDLETON	20 MANNING AVENUE	ESSEX COUNTY JAIL	4/10/2025	5/20/2025			HAZARDOUS MATERIAL
3-0017065	DANVERS	562 MAPLE ST	ESSEX AGRICULTURAL BERRY HALL	7/21/1998	5/25/2009	RAO	A2	OIL AND HAZARDOUS MATERIAL
3-0031831	DANVERS	562 MAPLE ST	ESSEX AGRICULTURAL & TECHNICAL H.S.	10/3/2013	10/28/2013	URAM		OIL

Source: MADEP Waste Site Database, reviewed on June 18, 2025
MASS GIS Online Mapping Tool

I) Closed with AUL Hazardous Waste /Petroleum Sites Located within 1/2 mile of Essex North Shore Building Project, Manning Avenue, Middleton, Massachusetts

NONE ON FILE

Source: MADEP Waste Site Database, reviewed on June 18, 2025
MASS GIS Online Mapping Tool

J) Closed Hazardous Waste /Petroleum Sites Located within 1/2 mile of Essex North Shore Building Project, Manning Avenue, Middleton, Massachusetts

RTN	City/Town	Release Address	Site Name Location Aid	Notification Date	Regulatory Date	Phase	RAO Class	Chemical Type
3-0032116	MIDDLETON	20 MANNING AVENUE	ESSEX COUNTY JAIL	5/15/2014	12/14/2018	PHASE 2	PN	OIL
3-0018386	MIDDLETON	3 MICHOLS LANE	NO LOCATION AID	6/9/1999	5/19/2010		A1	OIL
3-0030522	DANVERS	562 MAPLE ST	ESSEX AGGIE BUILDING 29	12/15/2011	4/25/2014	RAO	A2	OIL
3-0030518	DANVERS	562 MAPLE ST	ESSEX AGGIE BUILDING 18	12/15/2011	12/12/2014	PSNC	PN	OIL AND HAZARDOUS MATERIAL

Source: MADEP LUST Database, reviewed on June 18, 2025
MASS GIS Online Mapping Tool

**K) Registered UST/AST Facilities on / abutting
Essex North Shore Building Project, Manning Avenue, Middleton, Massachusetts**

UST Facility ID	Facility Name	Facility Address Line 1	Owner Name	Owner Contact Name	Operator Name
19354	ESSEX AGRICULTURAL & TECH INST	562 MAPLE ST	ESSEX AGRICULTURAL & TECH INSTITUTE		ESSEX AGRICULTURAL & TECH INSTITUTE

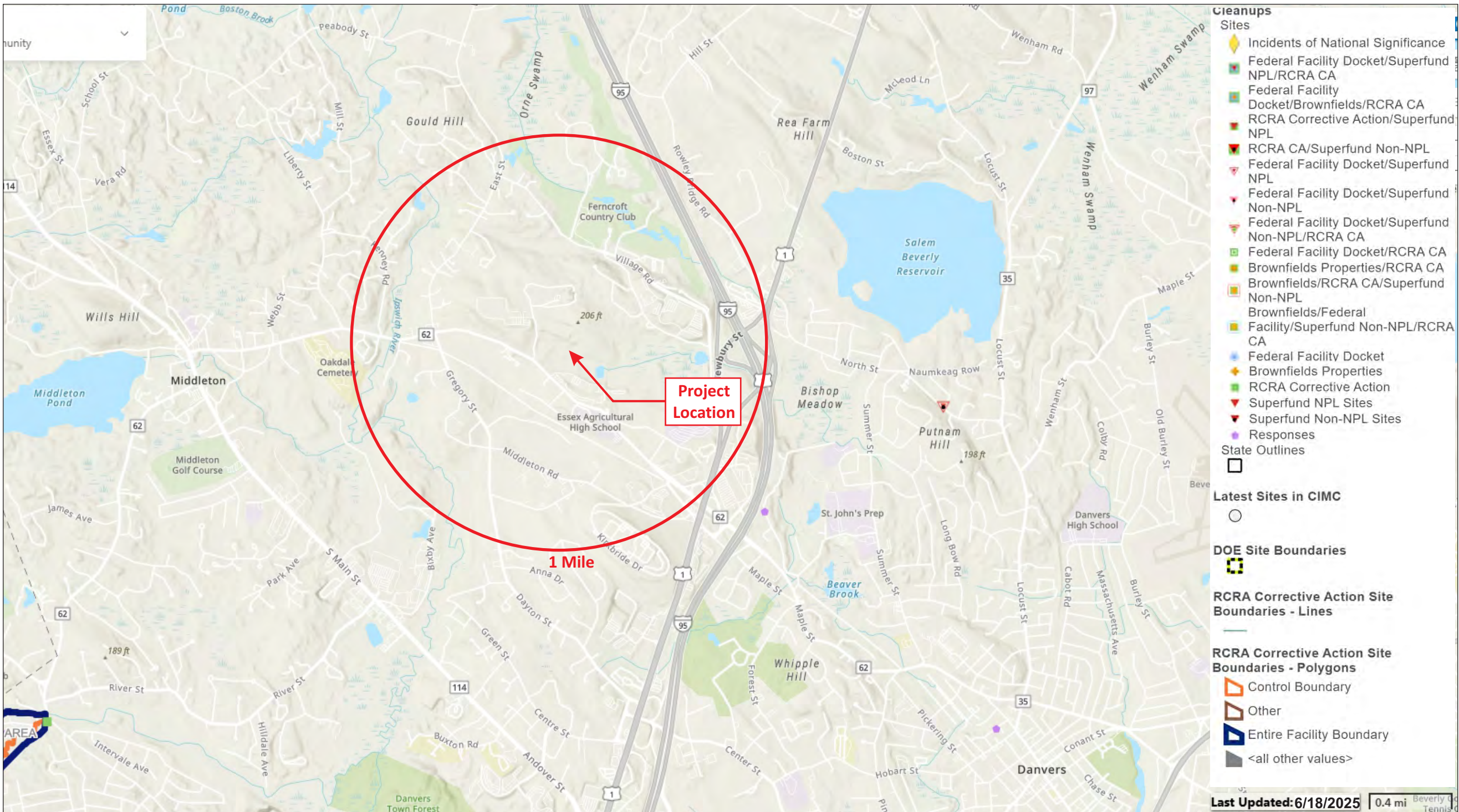
Source: MADEP UST Database, reviewed on June 18, 2025
Massachusetts Department of Fire Services database, reviewed June 18, 2025
MASS GIS Online Mapping Tool

**L) Solid Waste Facilities and Landfills located within ½ mile of
Essex North Shore Building Project, Manning Avenue, Middleton, Massachusetts**

NONE ON FILE

Source: MADEP Waste Site Database, reviewed on June 18, 2025
MASS GIS Online Mapping Tool

EPA CLEANUPS IN MY COMMUNITY GIS





● Open Sites ● Closed Sites ● Closed Sites with Use Limitation

 Project Area

 Release # 3-0031831 is mislabeled on this map.
SRW has shown its actual location.

 Groundwater Flow Direction
Where Groundwater is Impacted



SELECT DATA



RADON | RADON TESTS FROM LABS | MEAN PRE-MITIGATION RADON LEVEL IN TESTED BUILDINGS OVER A 10-YEAR PERIOD | MASSA...



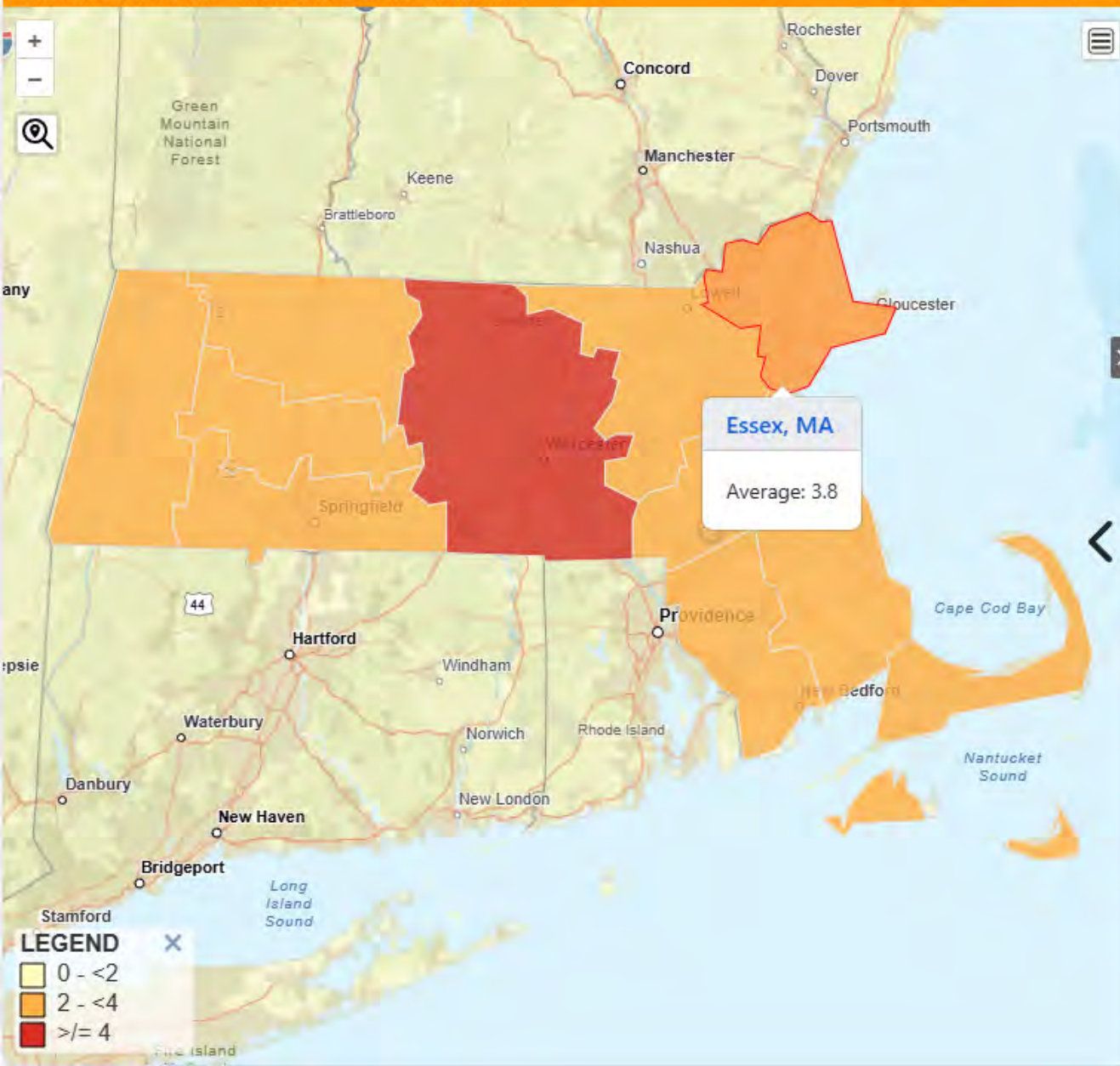
2008-2017



ABOUT DATA



To avoid duplication, do not combine data from state and lab radon datasets. KS and NJ data are available under the "State Radon Data" indicator.



Endangered Species



United States Department of the Interior

FISH AND WILDLIFE SERVICE
New England Ecological Services Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5094
Phone: (603) 223-2541 Fax: (603) 223-0104



In Reply Refer To:

06/18/2025 12:51:22 UTC

Project Code: 2025-0110889

Project Name: Essex North Shore New Building

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

Updated 4/12/2023 - Please review this letter each time you request an Official Species List, we will continue to update it with additional information and links to websites may change.

About Official Species Lists

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Federal and non-Federal project proponents have responsibilities under the Act to consider effects on listed species.

The enclosed species list identifies threatened, endangered, proposed, and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested by returning to an existing project's page in IPaC.

Endangered Species Act Project Review

Please visit the “**New England Field Office Endangered Species Project Review and Consultation**” website for step-by-step instructions on how to consider effects on listed

species and prepare and submit a project review package if necessary:

<https://www.fws.gov/office/new-england-ecological-services/endangered-species-project-review>

NOTE Please do not use the **Consultation Package Builder** tool in IPaC except in specific situations following coordination with our office. Please follow the project review guidance on our website instead and reference your **Project Code** in all correspondence.

Northern Long-eared Bat - (Updated 4/12/2023) The Service published a final rule to reclassify the northern long-eared bat (NLEB) as endangered on November 30, 2022. The final rule went into effect on March 31, 2023. You may utilize the **Northern Long-eared Bat Rangewide Determination Key** available in IPaC. More information about this Determination Key and the Interim Consultation Framework are available on the northern long-eared bat species page:

<https://www.fws.gov/species/northern-long-eared-bat-myotis-septentrionalis>

For projects that previously utilized the 4(d) Determination Key, the change in the species' status may trigger the need to re-initiate consultation for any actions that are not completed and for which the Federal action agency retains discretion once the new listing determination becomes effective. If your project was not completed by March 31, 2023, and may result in incidental take of NLEB, please reach out to our office at newengland@fws.gov to see if reinitiation is necessary.

Additional Info About Section 7 of the Act

Under section 7(a)(2) of the Act and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to determine whether projects may affect threatened and endangered species and/or designated critical habitat. If a Federal agency, or its non-Federal representative, determines that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Federal agency also may need to consider proposed species and proposed critical habitat in the consultation. 50 CFR 402.14(c)(1) specifies the information required for consultation under the Act regardless of the format of the evaluation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<https://www.fws.gov/service/section-7-consultations>

In addition to consultation requirements under Section 7(a)(2) of the ESA, please note that under sections 7(a)(1) of the Act and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species. Please contact NEFO if you would like more information.

Candidate species that appear on the enclosed species list have no current protections under the ESA. The species' occurrence on an official species list does not convey a requirement to

consider impacts to this species as you would a proposed, threatened, or endangered species. The ESA does not provide for interagency consultations on candidate species under section 7, however, the Service recommends that all project proponents incorporate measures into projects to benefit candidate species and their habitats wherever possible.

Migratory Birds

In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts see:

<https://www.fws.gov/program/migratory-bird-permit>

<https://www.fws.gov/library/collections/bald-and-golden-eagle-management>

Please feel free to contact us at **newengland@fws.gov** with your **Project Code** in the subject line if you need more information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat.

Attachment(s): Official Species List

Attachment(s):

- Official Species List

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

New England Ecological Services Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5094
(603) 223-2541

PROJECT SUMMARY

Project Code: 2025-0110889

Project Name: Essex North Shore New Building

Project Type: Federal Grant / Loan Related

Project Description: The proposed project activities include the construction of a new, 225 square foot building, outdoor area, small parking lot and paving of the existing gravel road from the newly installed parking lot to the west, through to the new building.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@42.59548745,-70.98131341452842,14z>



Counties: Essex County, Massachusetts

ENDANGERED SPECIES ACT SPECIES

There is a total of 3 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [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.

MAMMALS

NAME	STATUS
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Endangered
Tricolored Bat <i>Perimyotis subflavus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10515	Proposed Endangered

INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> There is proposed critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/9743	Proposed Threatened

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

IPAC USER CONTACT INFORMATION

Agency: SRW Environmental Consulting, LLC

Name: Todd Scheffer

Address: 143 Rochester Hill Road

City: Rochester

State: NH

Zip: 03867

Email: todd@srwnh.com

Phone: 6033303537



United States Department of the Interior

FISH AND WILDLIFE SERVICE
New England Ecological Services Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5094
Phone: (603) 223-2541 Fax: (603) 223-0104



In Reply Refer To:

06/18/2025 12:55:41 UTC

Project code: 2025-0110889

Project Name: Essex North Shore New Building

Federal Nexus: yes

Federal Action Agency (if applicable): Department of Housing and Urban Development

Subject: Federal agency coordination under the Endangered Species Act, Section 7 for 'Essex North Shore New Building'

Dear Todd Scheffer:

This letter records your determination using the Information for Planning and Consultation (IPaC) system provided to the U.S. Fish and Wildlife Service (Service) on June 18, 2025, for 'Essex North Shore New Building' (here forward, Project). This project has been assigned Project Code 2025-0110889 and all future correspondence should clearly reference this number. **Please carefully review this letter. Your Endangered Species Act (Act) requirements may not be complete.**

Ensuring Accurate Determinations When Using IPaC

The Service developed the IPaC system and associated species' determination keys in accordance with the Endangered Species Act of 1973 (ESA; 87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.) and based on a standing analysis. All information submitted by the Project proponent into IPaC must accurately represent the full scope and details of the Project.

Failure to accurately represent or implement the Project as detailed in IPaC or the Northern Long-eared Bat and Tricolored Bat Range-wide Determination Key (DKey), invalidates this letter. ***Answers to certain questions in the DKey commit the project proponent to implementation of conservation measures that must be followed for the ESA determination to remain valid. Note that conservation measures for northern long-eared bat and tricolored bat may differ. If both bat species are present in the action area and the key suggests more conservative measures for one of the species for your Project, the Project may need to apply the most conservative measures in order to avoid adverse effects. If unsure which conservation measures should be applied, please contact the appropriate Ecological Services Field Office.***

Determination for the Northern Long-Eared Bat and Tricolored Bat

Based on your IPaC submission and a standing analysis completed by the Service, you determined the proposed Project will have the following effect determinations:

Species	Listing Status	Determination
Northern Long-eared Bat (<i>Myotis septentrionalis</i>)	Endangered	NLAA
Tricolored Bat (<i>Perimyotis subflavus</i>)	Proposed	NLAA
	Endangered	

Federal agencies must consult with U.S. Fish and Wildlife Service under section 7(a)(2) of the Endangered Species Act (ESA) when an action *may affect* a listed species. Tricolored bat is proposed for listing as endangered under the ESA, but not yet listed. For actions that may affect a proposed species, agencies cannot consult, but they can *confer* under the authority of section 7(a)(4) of the ESA. Such conferences can follow the procedures for a consultation and be adopted as such if and when the proposed species is listed. Should the tricolored bat be listed, agencies must review projects that are not yet complete, or projects with ongoing effects within the tricolored bat range that previously received a NE or NLAA determination from the key to confirm that the determination is still accurate.

Unless the Service advises you within 15 days of the date of this letter that your IPaC-assisted determination was incorrect, this letter verifies that consultation on the Action is complete for northern long-eared bat and/or tricolored bat and no further action is necessary unless either of the following occurs:

- new information reveals effects of the action that may affect the northern long-eared bat or tricolored bat in a manner or to an extent not previously considered; or,
- the identified action is subsequently modified in a manner that causes an effect to the northern long-eared bat or tricolored bat that was not considered when completing the determination key.

15-Day Review Period

As indicated above, the Service will notify you within 15 calendar days if we determine that this proposed Action does not meet the criteria for a “may affect, not likely to adversely affect” (NLAA) determination for the northern long-eared bat and/or tricolored bat. If we do not notify you within that timeframe, you may proceed with the Action under the terms of the NLAA concurrence provided here. This verification period allows the identified Ecological Services Field Office to apply local knowledge to evaluation of the Action, as we may identify a small subset of actions having impacts that we did not anticipate when developing the key. In such cases, the identified Ecological Services Field Office may request additional information to verify the effects determination reached through the Northern Long-eared Bat and Tricolored Bat DKey.

Other Species and Critical Habitat that May be Present in the Action Area

The IPaC-assisted determination key for the northern long-eared bat and tricolored bat does not apply to the following ESA-protected species and/or critical habitat that also may occur in your Action area:

- Monarch Butterfly *Danaus plexippus* Proposed Threatened

You may coordinate with our Office to determine whether the Action may affect the species and/or critical habitat listed above. Note that reinitiation of consultation would be necessary if a new species is listed or critical habitat designated that may be affected by the identified action before it is complete.

If you have any questions regarding this letter or need further assistance, please contact the New England Ecological Services Field Office and reference Project Code 2025-0110889 associated with this Project.

Action Description

You provided to IPaC the following name and description for the subject Action.

1. Name

Essex North Shore New Building

2. Description

The following description was provided for the project 'Essex North Shore New Building':

The proposed project activities include the construction of a new, 225 square foot building, outdoor area, small parking lot and paving of the existing gravel road from the newly installed parking lot to the west, through to the new building.

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@42.59548745,-70.98131341452842,14z>



DETERMINATION KEY RESULT

Based on the answers provided, the proposed Action is consistent with a determination of “may affect, but not likely to adversely affect” for a least one species covered by this determination key.

QUALIFICATION INTERVIEW

1. Does the proposed project include, or is it reasonably certain to cause, intentional take of listed bats or any other listed species?

Note: Intentional take is defined as take that is the intended result of a project. Intentional take could refer to research, direct species management, surveys, and/or studies that include intentional handling/encountering, harassment, collection, or capturing of any individual of a federally listed threatened, endangered or proposed species?

No

2. Is the action area wholly within Zone 2 of the year-round active area for northern long-eared bat and/or tricolored bat?

Automatically answered

No

3. Does the action area intersect Zone 1 of the year-round active area for northern long-eared bat and/or tricolored bat?

Automatically answered

No

4. Does any component of the action involve leasing, construction or operation of wind turbines? Answer 'yes' if the activities considered are conducted with the intention of gathering survey information to inform the leasing, construction, or operation of wind turbines.

Note: For federal actions, answer ‘yes’ if the construction or operation of wind power facilities is either (1) part of the federal action or (2) would not occur but for a federal agency action (federal permit, funding, etc.).

No

5. Is the proposed action authorized, permitted, licensed, funded, or being carried out by a Federal agency in whole or in part?

Yes

6. Is the Federal Highway Administration (FHWA), Federal Railroad Administration (FRA), or Federal Transit Administration (FTA) funding or authorizing the proposed action, in whole or in part?

No

7. Are you an employee of the federal action agency or have you been officially designated in writing by the agency as its designated non-federal representative for the purposes of Endangered Species Act Section 7 informal consultation per 50 CFR § 402.08?

Note: This key may be used for federal actions and for non-federal actions to facilitate section 7 consultation and to help determine whether an incidental take permit may be needed, respectively. This question is for information purposes only.

Yes

8. Is the lead federal action agency the Environmental Protection Agency (EPA) or Federal Communications Commission (FCC)? Is the Environmental Protection Agency (EPA) or Federal Communications Commission (FCC) funding or authorizing the proposed action, in whole or in part?

No

9. Is the lead federal action agency the Federal Energy Regulatory Commission (FERC)?

No

10. [Semantic] Is the action area located within 0.5 miles of a known bat hibernaculum? Note: The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact your State wildlife agency.

Automatically answered

No

11. Does the action area contain any winter roosts or caves (or associated sinkholes, fissures, or other karst features), mines, rocky outcroppings, or tunnels that could provide habitat for hibernating bats?

No

12. Does the action area contain (1) talus or (2) anthropogenic or naturally formed rock shelters or crevices in rocky outcrops, rock faces or cliffs?

No

13. Will the action cause effects to a bridge?

Note: Covered bridges should be considered as bridges in this question.

No

14. Will the action result in effects to a culvert or tunnel at any time of year?

No

15. Are trees present within 1000 feet of the action area?

Note: If there are trees within the action area that are of a sufficient size to be potential roosts for bats answer "Yes". If unsure, additional information defining suitable summer habitat for the northern long-eared bat and tricolored bat can be found in Appendix A of the USFWS' Range-wide Indiana Bat and Northern long-eared bat Survey Guidelines at: <https://www.fws.gov/media/range-wide-indiana-bat-and-northern-long-eared-bat-survey-guidelines>.

Yes

16. Does the action include the intentional exclusion of bats from a building or structure?

Note: Exclusion is conducted to deny bats' entry or reentry into a building. To be effective and to avoid harming bats, it should be done according to established standards. If your action includes bat exclusion and you are unsure whether northern long-eared bats or tricolored bats are present, answer "Yes." Answer "No" if there are no signs of bat use in the building/structure. If unsure, contact your local Ecological Services Field Office to help assess whether northern long-eared bats or tricolored bats may be present. Contact a Nuisance Wildlife Control Operator (NWCO) for help in how to exclude bats from a structure safely without causing harm to the bats (to find a NWCO certified in bat standards, search the Internet using the search term "National Wildlife Control Operators Association bats"). Also see the White-Nose Syndrome Response Team's guide for bat control in structures.

No

17. Does the action involve removal, modification, or maintenance of a human-made structure (barn, house, or other building) **known or suspected to contain roosting bats**?

No

18. Will the action cause construction of one or more new roads open to the public?

For federal actions, answer 'yes' when the construction or operation of these facilities is either (1) part of the federal action or (2) would not occur but for an action taken by a federal agency (federal permit, funding, etc.).

No

19. Will the action include or cause any construction or other activity that is reasonably certain to increase average night-time traffic permanently or temporarily on one or more existing roads? **Note:** For federal actions, answer 'yes' when the construction or operation of these facilities is either (1) part of the federal action or (2) would not occur but for an action taken by a federal agency (federal permit, funding, etc.).

No

20. Will the action include or cause any construction or other activity that is reasonably certain to increase the number of travel lanes on an existing thoroughfare?

For federal actions, answer 'yes' when the construction or operation of these facilities is either (1) part of the federal action or (2) would not occur but for an action taken by a federal agency (federal permit, funding, etc.).

No

21. Will the proposed Action involve the creation of a new water-borne contaminant source (e.g., leachate pond, pits containing chemicals that are not NSF/ANSI 60 compliant)?

Note: For information regarding NSF/ANSI 60 please visit <https://www.nsf.org/knowledge-library/nsf-ansi-standard-60-drinking-water-treatment-chemicals-health-effects>

No

22. Will the proposed action involve the creation of a new point source discharge from a facility other than a water treatment plant or storm water system?

No

23. Will the action include drilling or blasting?

No

24. Will the action involve military training (e.g., smoke operations, obscurant operations, exploding munitions, artillery fire, range use, helicopter or fixed wing aircraft use)?

No

25. Will the proposed action involve the use of herbicides or other pesticides other than herbicides (e.g., fungicides, insecticides, or rodenticides)?

No

26. Will the action include or cause activities that are reasonably certain to cause chronic or intense nighttime noise (above current levels of ambient noise in the area) in suitable summer habitat for the northern long-eared bat or tricolored bat during the active season?

Chronic noise is noise that is continuous or occurs repeatedly again and again for a long time. Sources of chronic or intense noise that could cause adverse effects to bats may include, but are not limited to: road traffic; trains; aircraft; industrial activities; gas compressor stations; loud music; crowds; oil and gas extraction; construction; and mining.

Note: Additional information defining suitable summer habitat for the northern long-eared bat and tricolored bat can be found in Appendix A of the USFWS' Range-wide Indiana Bat and Northern long-eared bat Survey Guidelines at: <https://www.fws.gov/media/range-wide-indiana-bat-and-northern-long-eared-bat-survey-guidelines>.

No

27. Does the action include, or is it reasonably certain to cause, the use of permanent or temporary artificial lighting within 1000 feet of suitable northern long-eared bat or tricolored bat roosting habitat?

Note: Additional information defining suitable summer habitat for the northern long-eared bat and tricolored bat can be found in Appendix A of the USFWS' Range-wide Indiana Bat and Northern long-eared bat Survey Guidelines at: <https://www.fws.gov/media/range-wide-indiana-bat-and-northern-long-eared-bat-survey-guidelines>.

No

28. Will the action include tree cutting or other means of knocking down or bringing down trees, tree topping, or tree trimming?

Yes

29. Will the proposed action occur exclusively in an already established and currently maintained utility right-of-way?

No

30. Does the action include emergency cutting or trimming of hazard trees in order to remove an imminent threat to human safety or property? See hazard tree note at the bottom of the key for text that will be added to response letters

Note: A "hazard tree" is a tree that is an immediate threat to lives, public health and safety, or improved property.

No

31. Does the project intersect with the 0- 9.9% forest density category?

Automatically answered

No

32. Does the project intersect with the 10.0- 19.9% forest density category map?

Automatically answered

Yes

33. Does the project intersect with the 20.0- 29.9% forest density category map?

Automatically answered

No

34. Does the project intersect with the 30.0- 100% forest density category map?

Automatically answered

No

35. Will the action cause trees to be cut, knocked down, or otherwise brought down across an area greater than 5 acres in total extent?

No

36. Will the proposed action result in the use of prescribed fire?

Note: If the prescribed fire action includes other activities than application of fire (e.g., tree cutting, fire line preparation) please consider impacts from those activities within the previous representative questions in the key. This set of questions only considers impacts from flame and smoke.

No

37. Does the action area intersect the northern long-eared bat species list area?

Automatically answered

Yes

38. [Semantic] Is the action area located within 0.5 miles of radius of an entrance/opening to any known NLEB hibernacula? Note: The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact your State wildlife agency.

Automatically answered

No

39. [Semantic] Is the action area located within 0.25 miles of a culvert that is known to be occupied by northern long-eared or tricolored bats? **Note:** The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact your State wildlife agency.

Automatically answered

No

40. [Semantic] Is the action area located within 0.25 miles of a culvert that is known to be occupied by northern long-eared or tricolored bats?

Automatically answered

No

41. [Semantic] Is the action area located within 150 feet of a documented northern long-eared bat roost site?

Note: The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact your State wildlife agency. Have you contacted the appropriate agency to determine if your action is within 150 feet of any documented northern long-eared bat roosts?

Note: A document with links to Natural Heritage Inventory databases and other state-specific sources of information on the locations of northern long-eared bat roosts is available here. Location information for northern long-eared bat roosts is generally kept in state natural heritage inventory databases – the availability of this data varies by state. Many states provide online access to their data, either directly by providing maps or by providing the opportunity to make a data request. In some cases, to protect those resources, access to the information may be limited.

Automatically answered

No

42. Is suitable summer habitat for the northern long-eared bat present within 1000 feet of project activities?

If unsure, answer "Yes."

Note: Additional information defining suitable summer habitat for the northern long-eared bat and tricolored bat can be found in Appendix A of the USFWS' Range-wide Indiana Bat and Northern long-eared bat Survey Guidelines at: <https://www.fws.gov/media/range-wide-indiana-bat-and-northern-long-eared-bat-survey-guidelines>.

Yes

43. Has a presence/probable absence summer bat survey targeting the northern long-eared bat following the Service's [Range-wide Indiana Bat and Northern Long-Eared Bat Survey Guidelines](#) been conducted within the project area?

No

44. Are any of the trees proposed for cutting or other means of knocking down, bringing down, topping, or trimming suitable for northern long-eared bat roosting (i.e., live trees and/or snags ≥ 3 inches dbh that have exfoliating bark, cracks, crevices, and/or cavities)?

Note: Additional information defining suitable summer habitat for the northern long-eared bat and tricolored bat can be found in Appendix A of the USFWS' Range-wide Indiana Bat and Northern long-eared bat Survey Guidelines at: <https://www.fws.gov/media/range-wide-indiana-bat-and-northern-long-eared-bat-survey-guidelines>.

Yes

45. Will any tree cutting/trimming or other knocking or bringing down of trees occur during the **Summer Occupancy season** for northern long-eared bats in the action area? **Note:** Bat activity periods for your state can be found in Appendix L of the Service's Range-wide Indiana Bat and Northern long-eared Bat Survey [Guidelines](#).

No

46. Does the action area intersect the tricolored bat species list area?

Automatically answered

Yes

47. [Semantic] Is the action area located within 0.5 miles of radius of an entrance/opening to any known tricolored bat hibernacula? **Note:** The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact your State wildlife agency.

Automatically answered

No

48. [Semantic] Is the action area located within 0.25 miles of a culvert that is known to be occupied by northern long-eared or tricolored bats? **Note:** The map queried for this question contains proprietary information and cannot be displayed. If you need additional information, please contact your State wildlife agency.

Automatically answered

No

49. Is suitable summer habitat for the tricolored bat present within 1000 feet of project activities?

(If unsure, answer ""Yes."")

Note: If there are trees within the action area that may provide potential roosts for tricolored bats (e.g., clusters of leaves in live and dead deciduous trees, Spanish moss (*Tillandsia usneoides*), clusters of dead pine needles of large live pines) answer ""Yes."" For a complete definition of suitable summer habitat for the tricolored bat, please see Appendix A in the [Service's Range-wide Indiana Bat and Northern long-eared Bat Survey Guidelines](#).

Yes

50. Do any of the trees proposed for cutting or other means of knocking down, bringing down, topping, or trimming provide potential roosts for tricolored bats (e.g., clusters of leaves in live and dead deciduous trees, Spanish moss (*Tillandsia usneoides*), clusters of dead pine needles of large live pine trees)?

Note: Additional information defining suitable summer habitat for the northern long-eared bat and tricolored bat can be found in Appendix A of the USFWS' Range-wide Indiana Bat and Northern long-eared bat Survey Guidelines at: <https://www.fws.gov/media/range-wide-indiana-bat-and-northern-long-eared-bat-survey-guidelines>.

No

51. Do you have any documents that you want to include with this submission?

No

PROJECT QUESTIONNAIRE

Enter the extent of the action area (in acres) from which trees will be removed - round up to the nearest tenth of an acre. For this question, include the entire area where tree removal will take place, even if some live or dead trees will be left standing.

0.1

IPAC USER CONTACT INFORMATION

Agency: SRW Environmental Consulting, LLC

Name: Todd Scheffer

Address: 143 Rochester Hill Road

City: Rochester

State: NH

Zip: 03867

Email: todd@srwnh.com

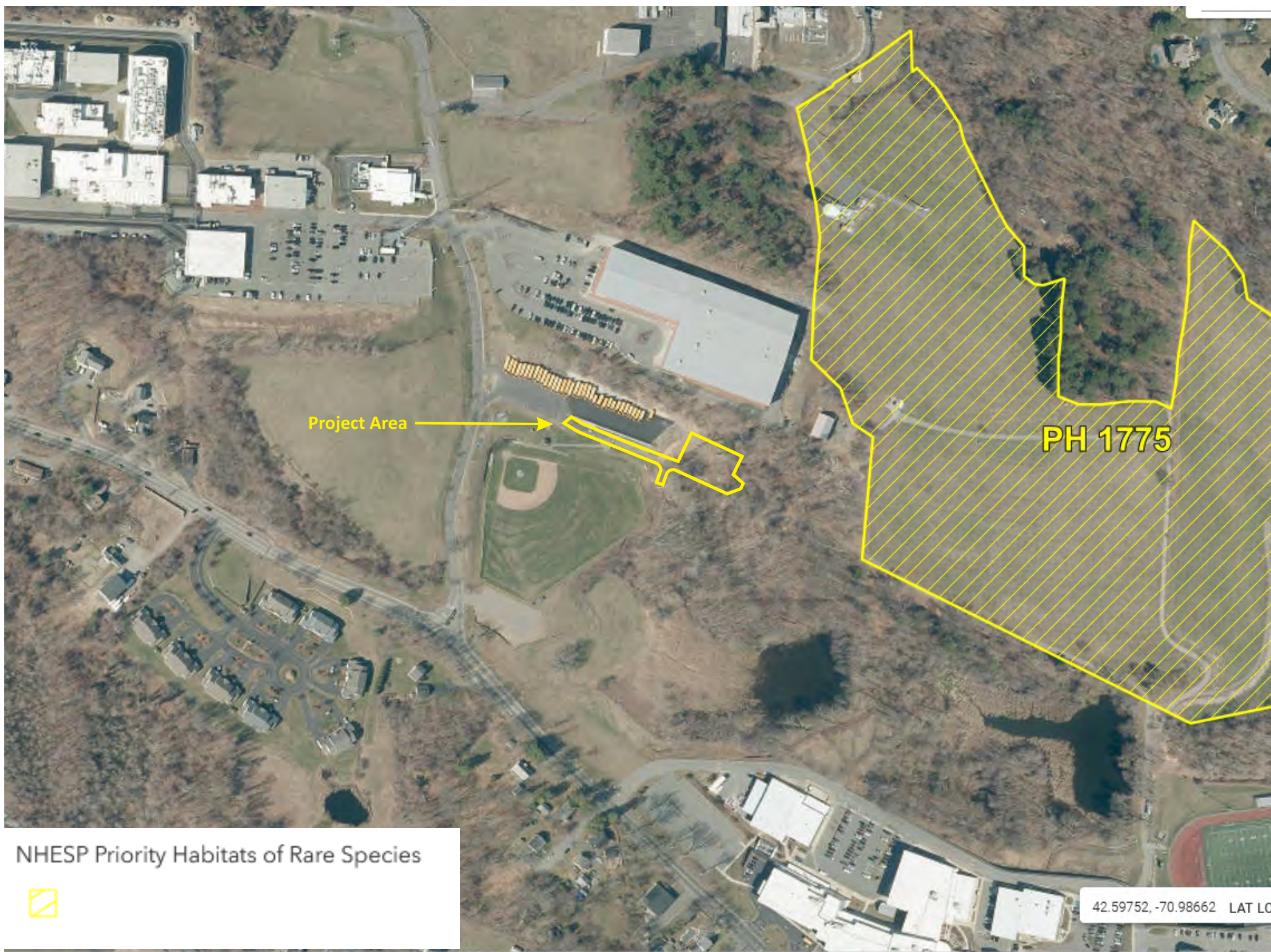
Phone: 6033303537

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Department of Housing and Urban Development

State	Hibernation	Winter Torpor ³³	Spring Staging ³⁴	Summer Occupancy	Pup Season	Fall Swarming ³⁵
	Timeframe when most bats are hibernating (i.e., inactive ³⁶ season)	Timeframe when mean winter temperatures fall below 40° F and bats roosting in trees are in torpor ³⁷	Timeframe when most bats are emerging from hibernation, roosting in trees near hibernacula, and preparing for migration to summer home range	Timeframe when bats are present and roosting in trees on their summer home range and/or roosting in colonies ³⁸	Timeframe during late pregnancy and when most young are born until they can fly and forage independently	Period of increased activity near hibernacula (including foraging, roosting in trees, and mating) prior to hibernation
Kentucky	Nov 16 – Mar 31	N/A	Apr 1 – May 14	Apr 1 – Oct 15	May 15 – July 31	Aug 16 – Nov 15
Louisiana: Year-round Active Range (Zone 1)	N/A	Dec 15 – Feb 15	N/A	Mar 15 – July 15	May 1 – July 15	N/A
Louisiana: Year-round Active Range (Zone 2)	N/A	N/A	N/A	Mar 15 – July 15	May 1 – July 15	N/A
Maine	Nov 1 – Apr 14	N/A	Apr 15 – May 14	Apr 15 – Sept 30	June 1 – Aug 15	Aug 16 – Oct 31
Maryland	Nov 16 – Mar 31	N/A	Apr 1 – May 14	Apr 1 – Sept 30	May 15 – July 31	Aug 16 – Nov 15
Massachusetts (Inland)	Nov 1 – Apr 14	N/A	Apr 15 – May 14	Apr 15 – Sept 30	June 1 – Aug 15	Aug 16 – Oct 31
Massachusetts (Coastal) ⁴⁰	Dec 1 – Mar 14	N/A	Mar 15 – May 14	Mar 15 – Sept 30	June 1 – Aug 15	Aug 16 – Nov 30
Michigan (Outside Indiana Bat Range)	Nov 1 – Apr 14	N/A	Apr 15 – May 14	Apr 15 – Sept 30	June 1 – Aug 15	Aug 16 – Oct 31
Michigan (Within Indiana Bat Range)	Nov 16 – Mar 31	N/A	Apr 1 – May 14	Apr 1 – Sept 30	May 15 – July 31	Aug 16 – Nov 15

⁴⁰ Coastal Massachusetts includes Martha's Vineyard, Nantucket, and Cape Cod.



Project Area

PH 1775

NHESP Priority Habitats of Rare Species



42.59752, -70.98662 LAT LO

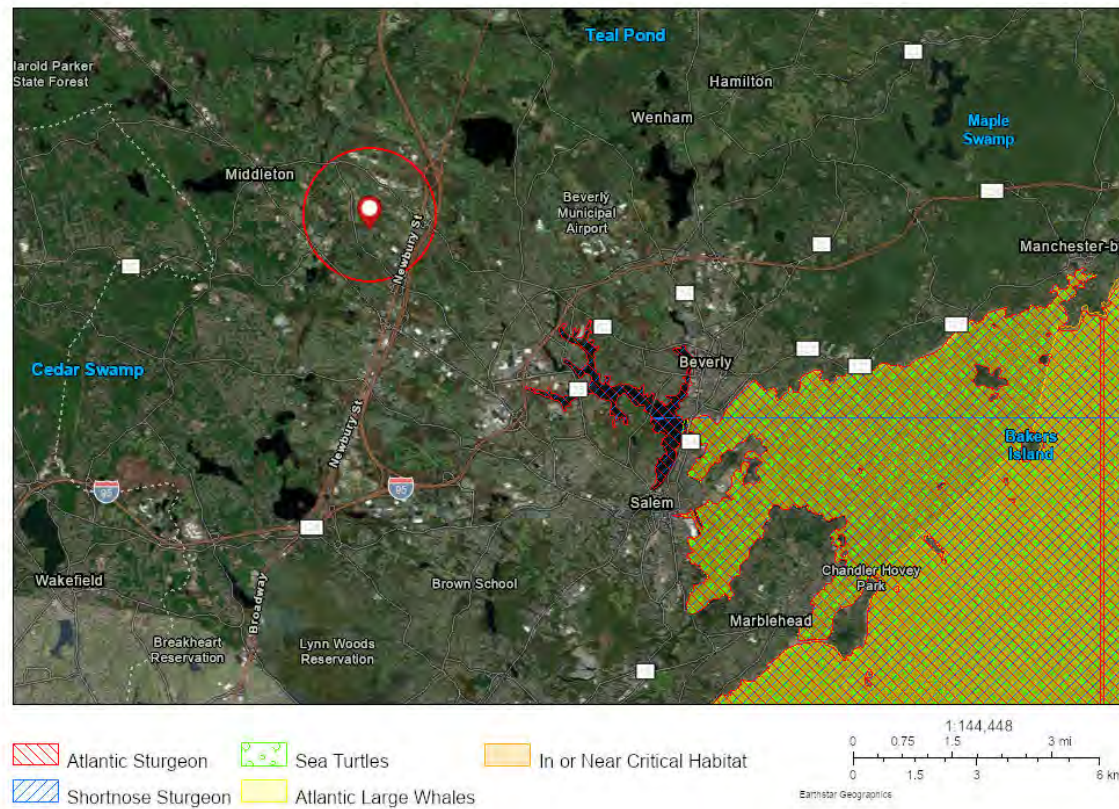


Drawn Action Area & Overlapping S7 Consultation Areas

Area of Interest (AOI) Information

Area : 2,009.02 acres

Feb 27 2025 16:31:44 Eastern Standard Time



Explosive and Flammable Hazards

Flammable and Explosives

Water Tower



Farmlands Protection

TIGERweb



February 27, 2025

Counties 2020 Urban Areas Counties

States 2020 Urban Areas States

1:36,112

0 0.23 0.45 0.9 mi

0 0.35 0.7 1.4 km

Source: U.S. Census Bureau, Maxar

Historic Preservation

RECEIVED

MAY 08 2025

MASS. HIST. COMM

950 CMR: OFFICE OF THE SECRETARY OF THE COMMONWEALTH

RC. 76750

APPENDIX A
MASSACHUSETTS HISTORICAL COMMISSION
220 MORRISSEY BOULEVARD
BOSTON, MASS. 02125
617-727-8470, FAX: 617-727-5128

PROJECT NOTIFICATION FORM

Project Name: Essex North Shore Agricultural and Technical School District- Proposed Manning Building

Location / Address: 11 Manning Avenue

City / Town: Middleton, MA

Project Proponent

Name: Essex North Shore Agricultural and Technical School District

Address: 565 Maple St

City/Town/Zip/Telephone: Danvers, MA 01923 (978) 304-4700 ext. 7201

Agency license or funding for the project (list all licenses, permits, approvals, grants or other entitlements being sought from state and federal agencies).

Agency Name

Type of License or funding (specify)

US Department of Housing and Urban Development Congressionally Directed Spending Grant

Project Description (narrative):

Construction of a new office building and paved parking lot in the area of the current saw mill.

Does the project include demolition? If so, specify nature of demolition and describe the building(s) which are proposed for demolition.

No demolition

Does the project include rehabilitation of any existing buildings? If so, specify nature of rehabilitation and describe the building(s) which are proposed for rehabilitation.

No rehab.

Does the project include new construction? If so, describe (attach plans and elevations if necessary).

New construction of an office building and paved parking lot in the location of a current sawmill. Repavement of an existing access road and extension of existing utilities to the new development area.

After review of MHC files and the materials you submitted, it has been determined that this project is unlikely to affect significant historic or archaeological resources.

5/31/96 (Effective 7/1/93) - corrected

950 CMR - 275

Caitriona Parker
Caitriona Parker RC. 76750
Preservation Planner
Massachusetts Historical Commission

5/28/95
Date

950 CMR: OFFICE OF THE SECRETARY OF THE COMMONWEALTH

APPENDIX A (continued)

To the best of your knowledge, are any historic or archaeological properties known to exist within the project's area of potential impact? If so, specify.

No

What is the total acreage of the project area?

Woodland _____ acres
Wetland _____ acres
Floodplain _____ acres
Open space _____ acres
Developed 0.43 _____ acres

Productive Resources:
Agriculture _____ acres
Forestry _____ acres
Mining/Extraction _____ acres
Total Project Acreage 0.43 _____ acres

What is the acreage of the proposed new construction? 0.43 _____ acres

What is the present land use of the project area?

The project currently consists of a road, and an area developed with a small lumber mill, which is all part of the existing campus of Essex North Shore Agricultural and Technical School.

Please attach a copy of the section of the USGS quadrangle map which clearly marks the project location.
Attached

This Project Notification Form has been submitted to the MHC in compliance with 950 CMR 71.00.

Signature of Person submitting this form:

Todd Scheffer

Date: 5/6/2025

Name: Todd Scheffer, SRW Environmental Consulting, LLC

Address: 143 Rochester Hill Road

City/Town/Zip: Rochester, NH 03867

Telephone: 603.330.3537

REGULATORY AUTHORITY

950 CMR 71.00: M.G.L. c. 9, §§ 26-27C as amended by St. 1988, c. 254.

The goal of the proposed project is to establish a location on campus for the non-profit, Companies2Heroes, a unique service dog training program specializing in guided/assisted self-training of service dogs working with combat veterans from all wars who are suffering and diagnosed with PTS, TBI or MST, and to provide additional veteran services.

The proposed project activities include the construction of a new, 225 square foot building, outdoor area, small parking lot and paving of the existing gravel road from the newly installed parking lot to the west, through to the new building. The proposed building location is currently a small training lumber mill on a concrete pad, accessed by an existing internal gravel campus road. Subsurface utilities will be extended to the site from the westerly adjacent parking lot and under the existing gravel road.

The total area of the project is estimated to be 0.43 acres, most of which has been previously disturbed. The currently undisturbed portion is a steep slope on the north side of the proposed development.



Figure #1
USGS Map
Essex North Shore Agricultural
and Technical School
562 Maple Street
Danvers, MA

565
MAPLE
STREET

Danvers, Massachusetts 01937

PREPARED FOR
**ESSEX NORTH
SHORE
AGRICULTURE
AND
TECHNICAL
SCHOOL**
565 Maple Street
Danvers, Massachusetts 01937

**HANCOCK
ASSOCIATES**

Civil Engineers
Land Surveyors
Wetland Scientists

185 CENTRE STREET, DANVERS, MA 01923
VOICE (978) 777-3550, FAX (978) 774-7816
WWW.HANCOCKASSOCIATES.COM

NO.	BY	APP.	DATE	ISSUE/REVISION DESCRIPTION
1	XXX	XXX	4/11/23	ISSUE 01
2	XXX	XXX	4/11/23	ISSUE 02
3	XXX	XXX	4/11/23	ISSUE 03
4	XXX	XXX	4/11/23	ISSUE 04
5	XXX	XXX	4/11/23	ISSUE 05
6	XXX	XXX	4/11/23	ISSUE 06
7	XXX	XXX	4/11/23	ISSUE 07
8	XXX	XXX	4/11/23	ISSUE 08
9	XXX	XXX	4/11/23	ISSUE 09
10	XXX	XXX	4/11/23	ISSUE 10

**CONCEPT PLAN
MANNING
OFFICE
BUILDING**

PROJECT DATE: Nov 11, 2020 3:00 pm
PROJECT: 24372 - Essex North Shore Agriculture and Technical School

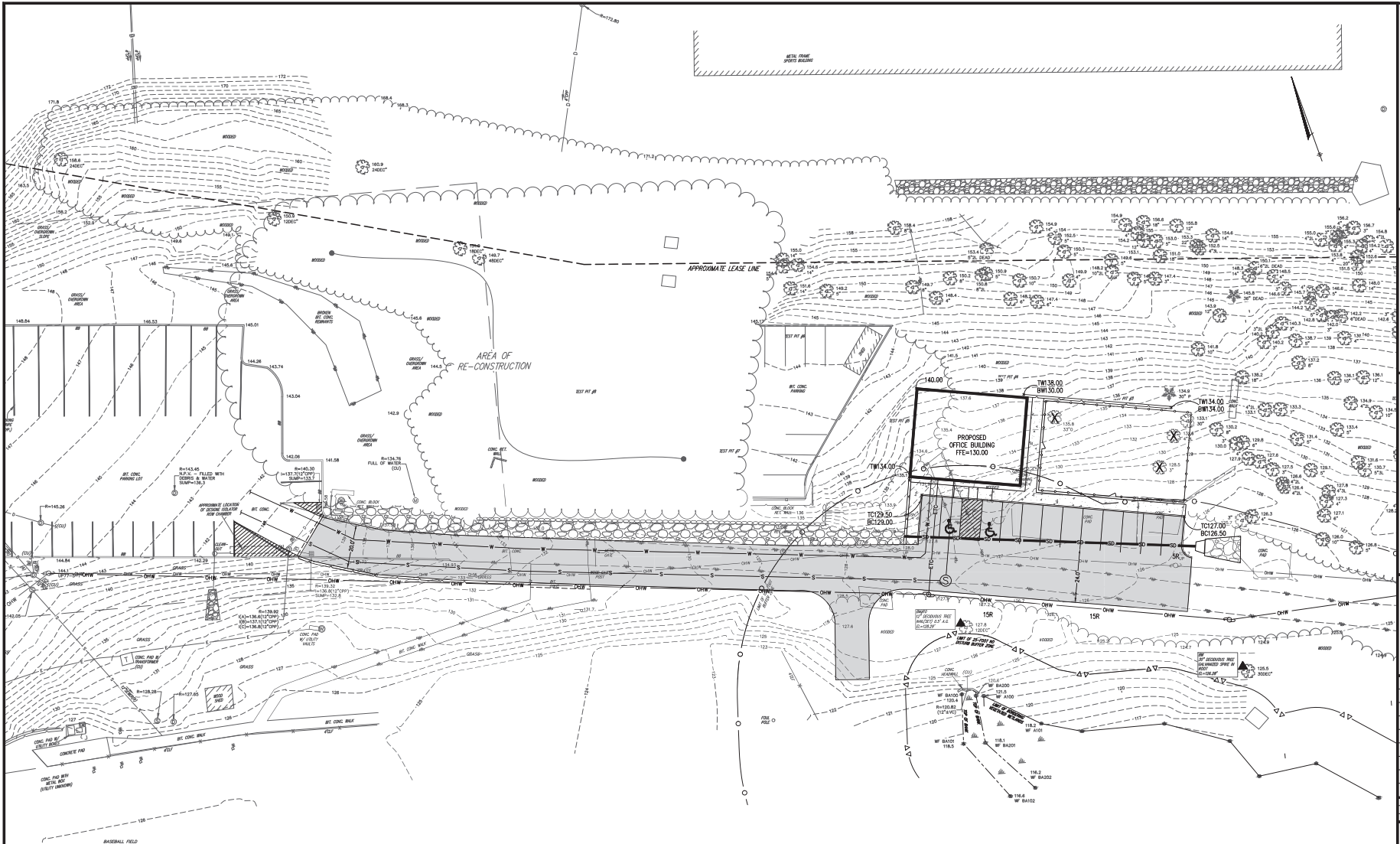
DWG: 24372-000 - Manning Office Building

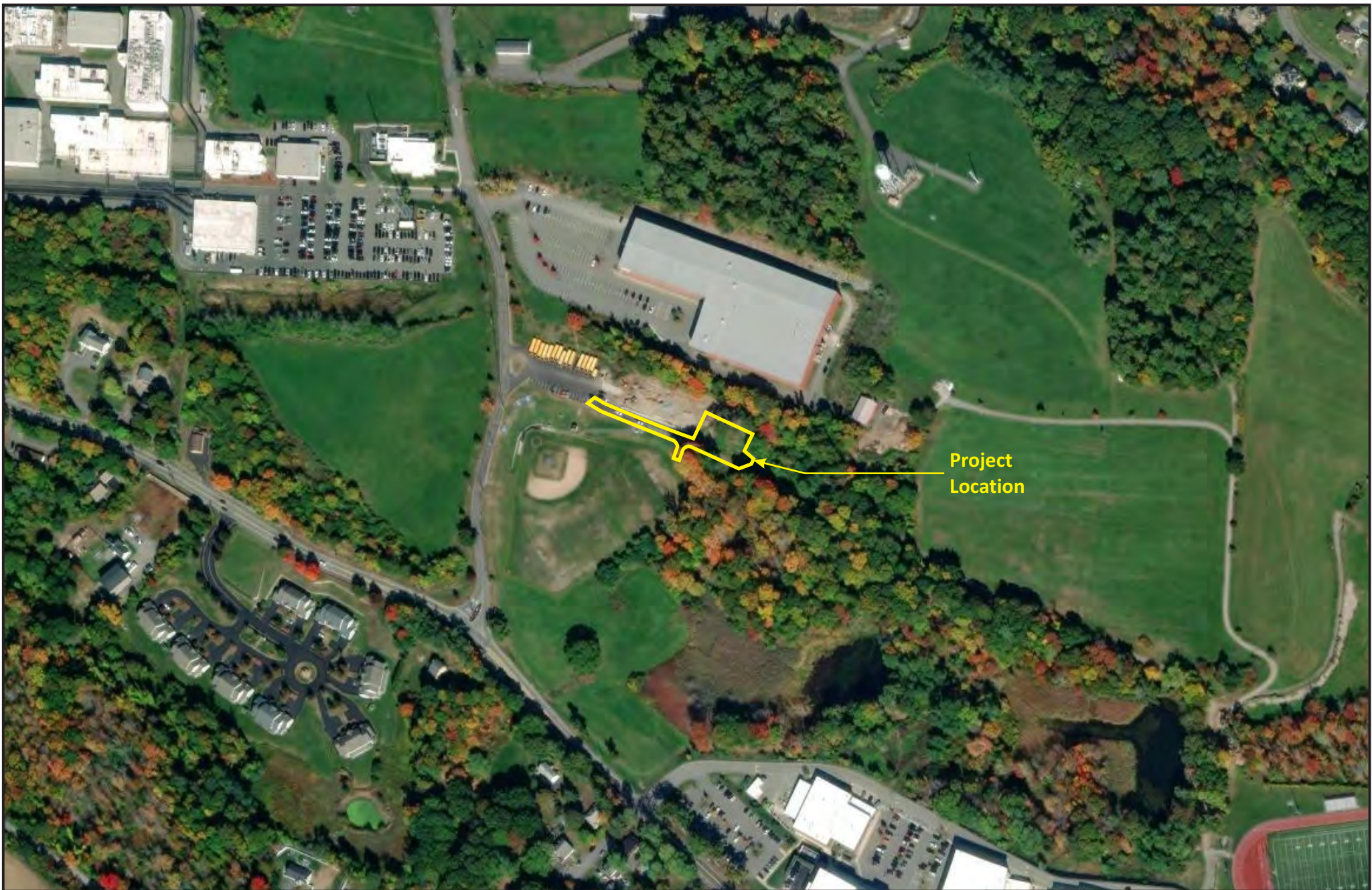
LAYOUT: Worksheet

SHEET: 1 OF 1

PROJECT NO.: 24372

SCALE: 1" = 20'

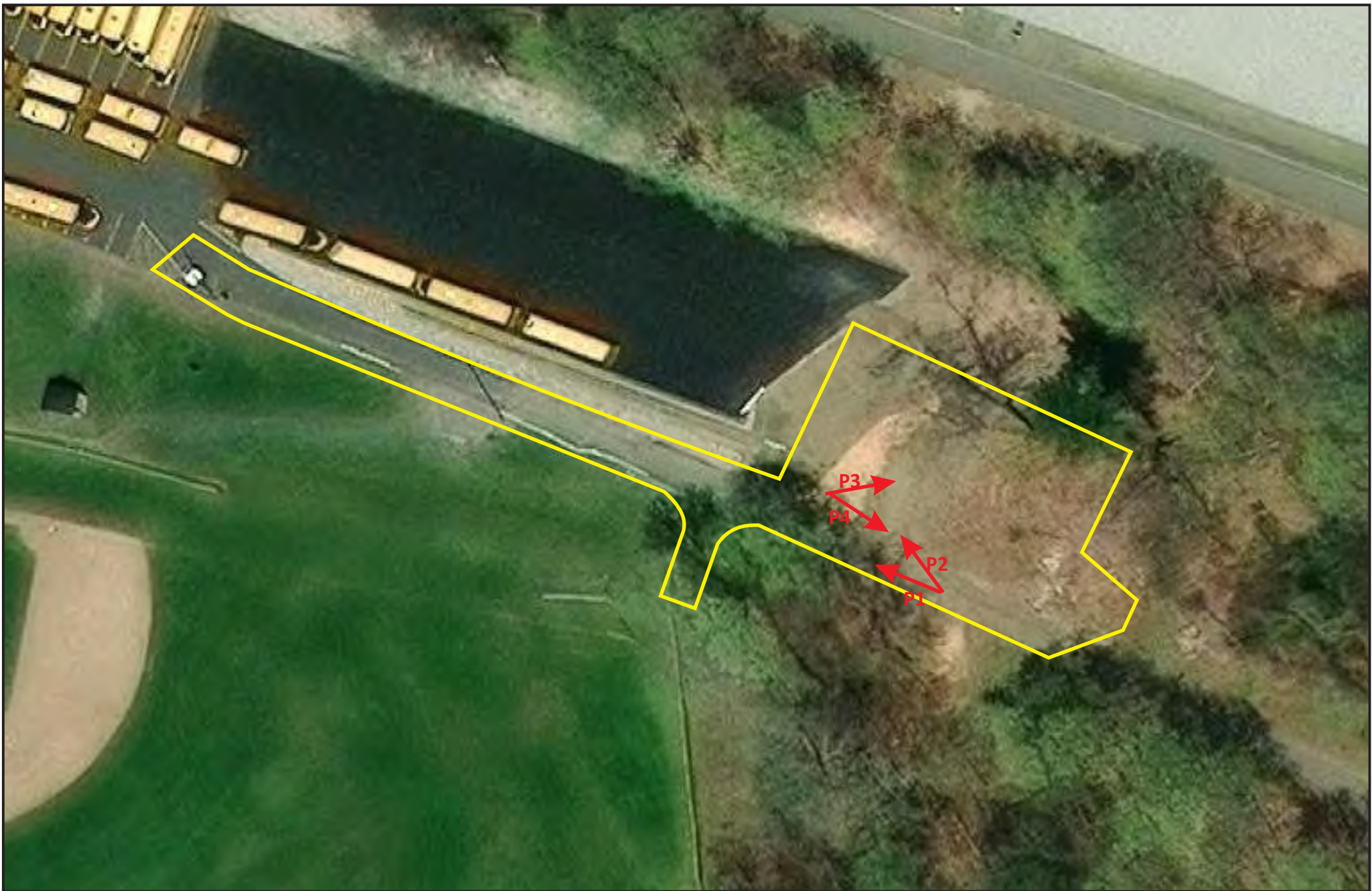




Project
Location



Figure #2
Satellite Image
Essex North Shore Agricultural
and Technical School
562 Maple Street
Danvers, MA



Notes:

P1 - Photo Location

 - Photo Direction



Figure #3
Project Location
Essex North Shore Agricultural
and Technical School
562 Maple Street
Danvers, MA



1.Area of the proposed project.



2. Area of the proposed project and westerly adjacent parking lot.



3. Area of the proposed project and land northeast of the proposed project.



4. Area of the proposed project, existing road and electrical utility.



Town of Middleton
Planning Department
195 North Main Street
Middleton, Massachusetts 01949
978-777-8917
FAX 978-774-0718
www.middletonma.gov

May 7, 2025

David Weeden, THPO
Mashpee Wampanoag Tribe
483 Great Neck Road
South Mashpee, MA 02649

Re: Essex North Shore Agricultural and Technical School, Middleton, MA

Mr. Weeden,

The project listed above is under consideration for funding with federal funds from the U.S. Department of Housing and Urban Development (HUD). Under HUD regulation 24 CFR 58.4, the Town of Middleton has assumed HUD's environmental review responsibilities for the project, including tribal consultation related to historic properties. Historic properties include archeological sites, burial grounds, sacred landscapes or features, ceremonial areas, traditional cultural places and landscapes, plant and animal communities, and buildings and structures with significant tribal association.

The Town of Middleton is conducting a review of this project to comply with Section 106 of the National Historic Preservation Act and its implementing regulations 36 CFR Part 800. We would like to invite you to be a consulting party in this review to help identify historic properties in the project area that may have religious and cultural significance to your tribe, and if such properties exist, to help assess how the project might affect them. If the project might have an adverse effect, we would like to discuss possible ways to avoid, minimize or mitigate potential adverse effects.

To meet project timeframes, if you would like to be a consulting party on any of these projects, can you please let us know of your interest within 30 days? If you have any initial concerns with impacts of the project on religious or cultural properties, can you please note them in your response?

Enclosed is the project description, maps and photographs of the project area and, and a copy of the design plans.



Town of Middleton
Planning Department
195 North Main Street
Middleton, Massachusetts 01949
978-777-8917
FAX 978-774-0718
www.middletonma.gov

If you do not wish to consult on this project, can you please inform us at your earliest convenience?
If you do wish to consult, can you please include in your reply the name and contact information for the tribe's principal representative in the consultation?

Thank you very much. We value your assistance and look forward to consulting further if there are historic properties of religious and cultural significance to your tribe that may be affected by this project.

Sincerely,

Anna Bury Carmer

Planning Director
Town of Middleton
195 North Main Street
Middleton, MA 01949



Town of Middleton
Planning Department
195 North Main Street
Middleton, Massachusetts 01949
978-777-8917
FAX 978-774-0718
www.middletonma.gov

May 7, 2025

Bettina Washington, THPO
Wampanoag Tribe of
Gay Head (Aquinnah)
20 Black Brook Road
Aquinnah, MA 02535

Re: Essex North Shore Agricultural and Technical School, Middleton, MA

Ms. Washington,

The project listed above is under consideration for funding with federal funds from the U.S. Department of Housing and Urban Development (HUD). Under HUD regulation 24 CFR 58.4, the Town of Middleton has assumed HUD's environmental review responsibilities for the project, including tribal consultation related to historic properties. Historic properties include archeological sites, burial grounds, sacred landscapes or features, ceremonial areas, traditional cultural places and landscapes, plant and animal communities, and buildings and structures with significant tribal association.

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Sincerely,

Anna Bury Carmer

Planning Director
Town of Middleton
195 North Main Street
Middleton, MA 01949

Noise

HomeLocateLocate AllEmail ThisAuto-Locate: ☐

Quick SearchAdvanced SearchMap SearchTools

TCDS Quick Search

County

Select County

Community

Select Community

Located On (Road):

Select On Road

Location ID

Select Location ID

Count Year

Search

Clear

Station Data

Station Type	Continuous	Short	WIM
Total	424	9,946	12
AADT	416	9,789	12
Volume	418	9,783	12
Class	381	6,901	12
Speed	251	5,958	11
Gap	15	780	0
WIM	12	0	12

Percent of Data by Type

AADT

Volume

Class

Speed

Gap

WIM

0

Percent

100

Traffic Volume Index and Growth Rate

Traffic Volume Index and Growth Rate

Change

Index

4

2

0

-2

20%

0%

-20%

1982

1987

1972

1977

1982

1987

1992

1997

2002

2007

2012

2017

2022

Volume Index

Growth Rate



Noise Abatement and Control

Introduction

HUD's noise standards may be found in 24 CFR Part 51, Subpart B. For proposed new construction in high noise areas, the project must incorporate noise mitigation features. Consideration of noise applies to the acquisition of undeveloped land and existing development as well.

All sites whose environmental or community noise exposure exceeds the day night average sound level (DNL) of 65 decibels (dB) are considered noise-impacted areas. For new construction that is proposed in high noise areas, grantees shall incorporate noise attenuation features to the extent required by HUD environmental criteria and standards contained in Subpart B (Noise Abatement and Control) of 24 CFR Part 51. The interior standard is 45dB.

The "Normally Unacceptable" noise zone includes community noise levels from above 65 decibels to 75 decibels. Approvals in this noise zone require a minimum of 5 dB additional sound attenuation for buildings having noise-sensitive uses if the day-night average sound level is greater than 65 dB but does not exceed 70 dB, or a minimum of 10 decibels of additional sound attenuation if the day-night average sound level is greater than 70 dB but does not exceed 75 dB.

Locations with day-night average noise levels above 75 dB have "Unacceptable" noise exposure. For new construction, noise attenuation measures in these locations require the approval of the Assistant Secretary for Community Planning and Development (for projects reviewed under Part 50) or the Responsible Entity's Certifying Officer (for projects reviewed under Part 58). The acceptance of such locations normally requires an environmental impact statement.

In "Unacceptable" noise zones, HUD strongly encourages conversion of noise-exposed sites to land uses compatible with the high noise levels.

HUD Guidance

Are there potential noise generators in the vicinity of the project? Review general location maps and/or conduct a field review to screen for major roadways (within 1,000 feet), railroads (within 3,000 feet), and military or FAA-regulated airfields (with 15 miles) in the vicinity of the project.

If a noise assessment was performed, was the noise found to be Acceptable, Normally Unacceptable, or Unacceptable?

Site Acceptability Standards

Noise Zone	Day-Night Average Sound Level (in Decibels)	Special Approvals and Requirements
Acceptable	Not exceeding 65 dB	None

Noise Zone	Decibels)	Requirements
Normally Unacceptable	Above 65 dB but not exceeding 75 dB	<ul style="list-style-type: none"> • Environmental assessment and attenuation required for new construction • Attenuation strongly encouraged for major rehabilitation <p>Note: An environmental impact statement is required if the project site is largely undeveloped or will encourage incompatible development.</p>
Unacceptable	Above 75 dB	<ul style="list-style-type: none"> • Environmental impact statement required • Attenuation required for new construction with approval by the Assistant Secretary of CPD or Certifying Officer

Compliance and Documentation

The environmental review record should contain **one** of the following:

- Documentation the proposed action is not within 1000 feet of a major roadway, 3,000 feet of a railroad, or 15 miles of a military or FAA-regulated civil airfield
- If within those distances, documentation showing the noise level is *Acceptable* (at or below 65 DNL)
- If within those distances, documentation showing that there's an effective noise barrier (i.e., that provides sufficient protection)
- Documentation showing the noise generated by the noise source(s) is *Normally Unacceptable* (66 – 75 DNL) and identifying noise attenuation requirements that will bring the interior noise level to 45 DNL and/or exterior noise level to 65 DNL

View Noise Abatement and Control (CEST) - Worksheet (/resources/documents/Noise-Abatement-and-Control-CEST-Worksheet.docx).

View Noise Abatement and Control (EA) - Worksheet (/resources/documents/Noise-Abatement-and-Control-EA-Worksheet.docx).

View Noise (CEST) - Partner Worksheet (/resources/documents/Noise-CEST-Partner-Worksheet.docx).

View Noise (EA) - Partner Worksheet (/resources/documents/Noise-EA-Partner-Worksheet.docx).

Related Resources



Author: Michael Hamilton Document Path: G:\Projects\310XXX\310830_Massport_Noise_2019-2024\GIS\310830_004_BOS_RSIP_NEM_Figure1-2_2020_DNL_Contour.mxd



Source: Harris Miller Miller & Hanson Inc. 2018, U.S. Department of Agriculture, National Agriculture Imagery Program (NAIP), 2018; MassGIS

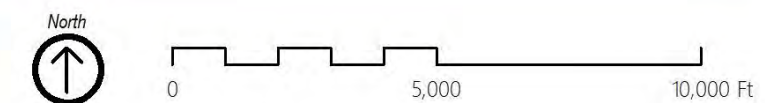
massport

Boston Logan International Airport

Figure 1-2

2020 RSIP DNL Contours

- 2020 DNL 65 Contour
- 2020 DNL 70 Contour
- 2020 DNL 75 Contour
- BOS Airport Boundary
- Runways
- Permanent Noise Monitor
- Residential - Single Family
- Residential - Multi-Family
- Residential - Other
- Commercial
- Industrial
- Mixed Use
- Other Impervious
- Right-of-way
- Agriculture
- Open Space
- Forest
- Bare Land
- Wetland
- Water



Clear Zone Search Threshold = 15,000 feet for military airfields and 2,500 feet for civil airports

Noise Threshold for military airfields and civil airports is 15 miles

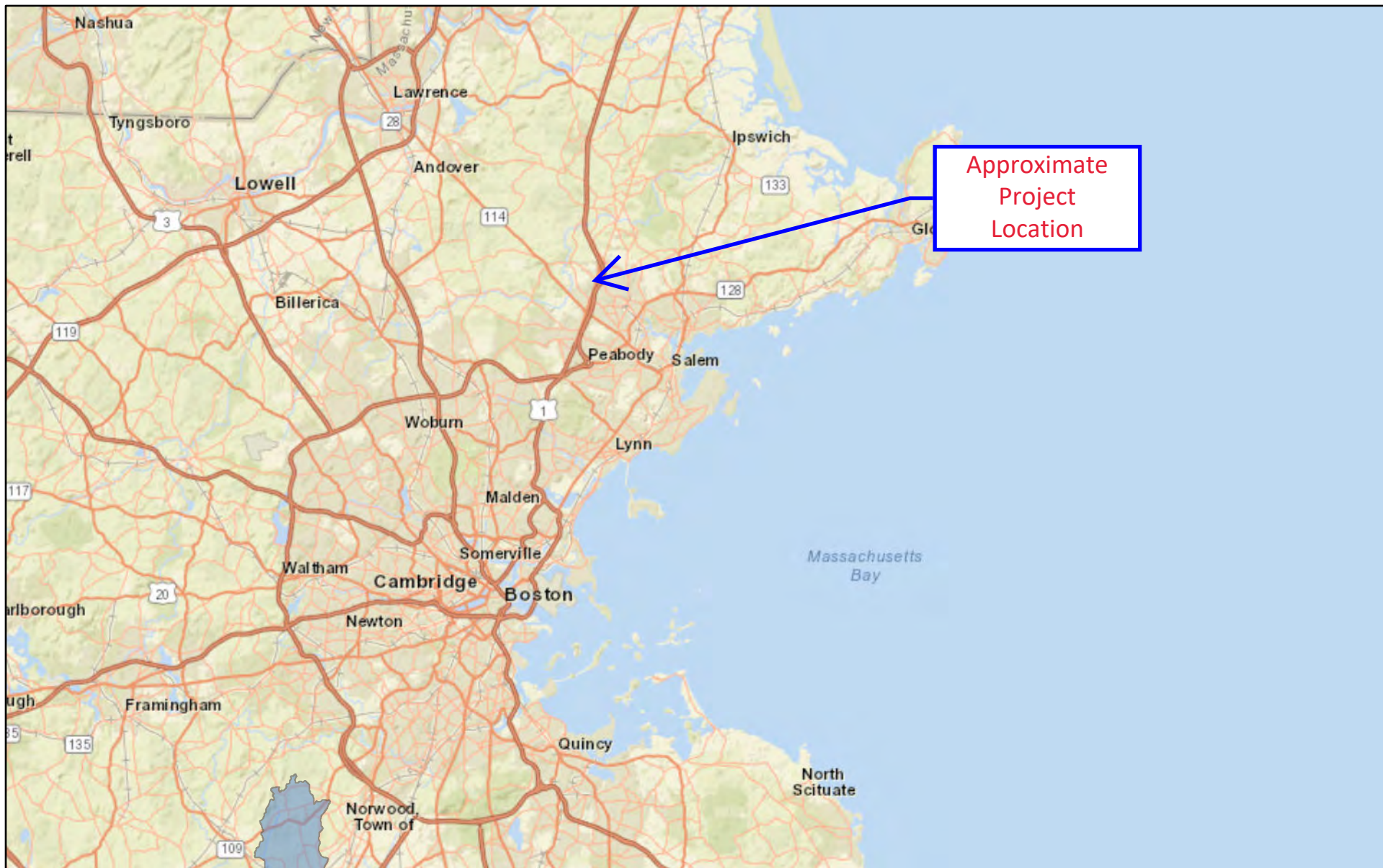


**Airport Clear Zones
Part 139 Airports**

**Airport Clear Zones
Military Airfields**

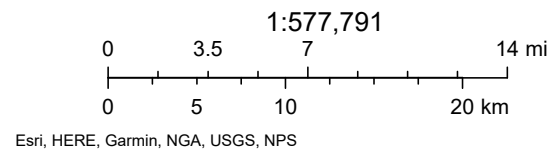
Sole Source Aquifers

ArcGIS Web AppBuilder



2/27/2025, 5:19:04 PM

 Sole_Source_Aquifers

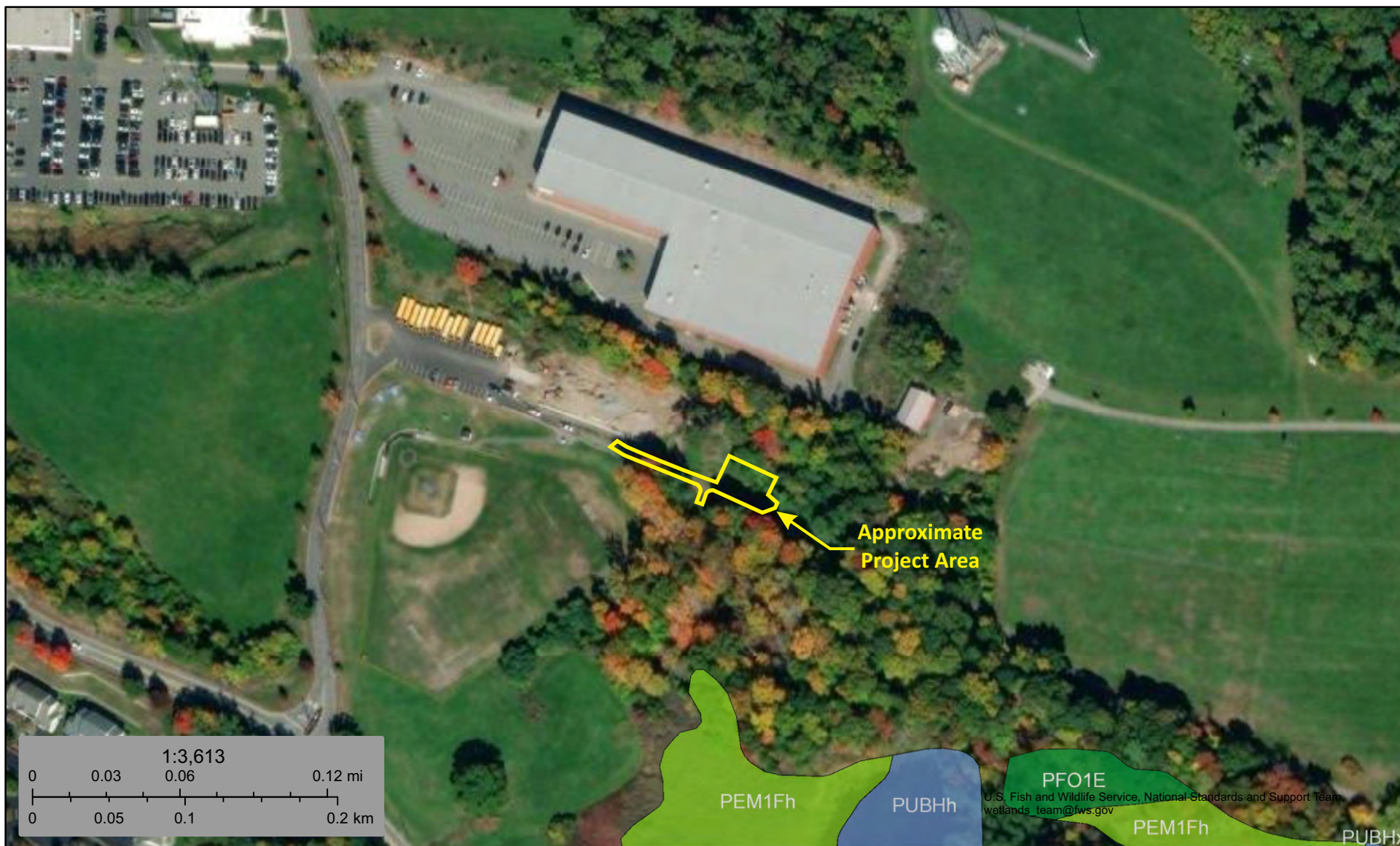


Wetlands Protection



U.S. Fish and Wildlife Service National Wetlands Inventory

Wetlands



June 18, 2025

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Danvers, Massachusetts 01937

HANCOCK

ASSOCIATES

Wetland Scientists

--	--

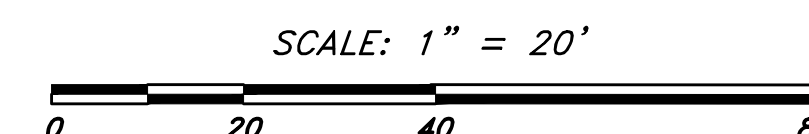
[illegible]

CONCEPT PLAN MANNING OFFICE BUILDING

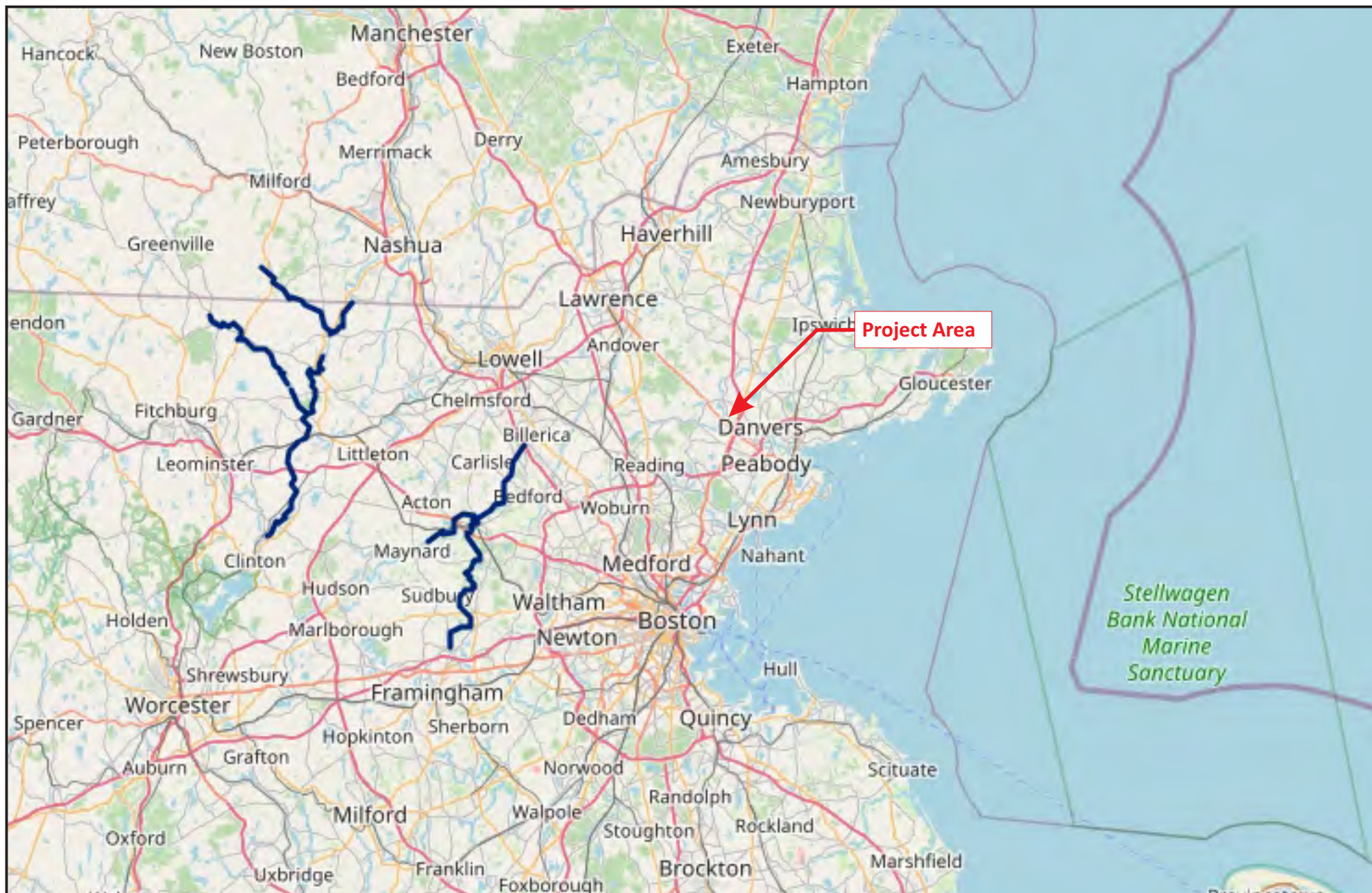
PROJECT NO.:

X1

24372



**Wild and Scenic Rivers
And
Nationwide Rivers Inventory**



Legend:



Wild and Scenic River

National Wild and
Scenic Rivers Map



**PROJECT
AREA**



Legend:



Nationwide Rivers
Inventory Listed
Segment

Nationwide Rivers
Inventory Map



[NATIONAL SYSTEM](#) | [MANAGEMENT](#) | [RESOURCES](#) | [PUBLICATIONS](#) | [CONTACT US](#) | [50 YEARS](#) | [SITE INDEX](#)

WILD & SCENIC RIVER STUDIES

Wild & Scenic River Studies

There are two study provisions in the Act — Section 5(a), through which Congress directs the study of select rivers, and Section 5(d)(1), which directs federal agencies to identify potential additions to the National Wild and Scenic Rivers System (National System) through federal agency plans. A brief explanation is provided in the following respective sections.



Current Active Studies

Currently, there are three rivers or river systems under "authorized" study—two under Section 5(a) of the Wild & Scenic Rivers Act and one under Section 2(a)(ii). This does not include those that might be under assessment as part of normal agency land-planning processes.

Choose A State ▼	Go
Choose A River ▼	Go

*While progress should never come to a halt,
there are many places it should never come to
at all. — Paul Newman*

Rivers Currently Under Study

Cave, Lake, No Name and Panther Creeks, Oregon (Public Law 113-291, December 19, 2014) – Under study by the National Park Service.

Housatonic River, Connecticut (Governor Malloy Request for Section 2(a)(ii) Designation, November 16, 2016) – Under study by the National Park Service.

York River, Maine. (Public Law 113-291, December 19, 2014) – Under study by the National Park Service.

Section 2(a)(ii) Studies

Under Section 2(a)(ii) of the Act, a governor (or governors for a river in multiple states) of a state can request that a river be designated, provided certain conditions are met (refer to the [Council White Paper on Section 2\(a\)\(ii\)](#) for specifics). The NPS then conducts a study to determine if certain conditions are met. Here are some of the studies conducted under Section 2(a)(ii). Again, if you don't see a study listed, we do not have a copy.

Section 2(a)(ii) Studies Available for Download

Section 5(d)(1), Agency-Identified Studies

In recent years, hundreds of rivers have been identified for study through Section 5(d)(1) of the Act. This provision directs federal agencies to identify potential additions to the National System through their respective resource and management plans. Its application has resulted in numerous individual river designations, statewide legislation (e.g., Omnibus Oregon Wild and Scenic Rivers Act, P.L. 100-557; Michigan Scenic Rivers Act, P.L. 102-249) and multi-state legislation (e.g., Omnibus Public Land Management Act of 2009, P.L. 111-11). Here are examples of agency-identified studies and transmittal documents (if available).

Section 5(d)(1) Studies Available for Download

Congressionally Authorized Study Reports

We have collected a few of the study reports prepared at the direction of Congress (see next section, "Section 5(a), Congressionally Authorized Studies," for the complete list of congressionally authorized studies). If you do not see a report here, we do not have it, and you will have to contact the study agency at the local level for a copy.

Congressionally Authorized Study Reports Available for Download

Section 5(a), Congressionally Authorized Studies

Through Section 5(a), Congress authorizes the study of select rivers and directs one of the four federal river-administering agencies to conduct the study, as outlined in Sections 4(a) and 5(c) of the Wild & Scenic Rivers Act. The enabling legislation of 1968, P.L. 90-542, authorized 27 rivers for study as potential components of the National System. Amendments to the law have increased the number of studies authorized by Congress to 144.

These studies have lead to 48 designations by either Congress or the Secretary of the Interior. One study led to the establishment of a National Recreation Area.

The number of rivers included in the National System differs from the number of rivers authorized for study by Congress for the following reasons:

Not all rivers studied are found eligible or suitable for designation—many study rivers will not be included in the National System.

Some rivers are designated by Congress or the Secretary of the Interior without a pre-authorization or 5(a) study (e.g., Niobrara River).

Some rivers are designated as a result of recommendation in federal agency plans (e.g., 49 rivers designated in Oregon in 1988).

The 144 rivers below have been authorized for study. The agency leading the study is indicated as National Park Service (NPS), Bureau of Outdoor Recreation (BOR), Heritage Conservation and Recreation Service (HCRS), Bureau of Land Management (BLM), or U.S. Forest Service (USFS). Within the Department of the Interior, the study function was transferred from the HCRS (formerly the BOR) to the NPS by Secretarial Order Number 3017, January 25, 1978. All studies indicated as BOR or HCRS were completed by these agencies before the program was transferred to the NPS. The BLM was delegated responsibility for conducting studies on Public Lands on October 11, 1988. The USFS (Department of Agriculture) has always conducted studies on National Forest System Lands and as directed by Congress.

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For each study river, the number in parentheses is the approximate number of miles to be studied.
If river segments were designated, the total designated mileage appears in the text.

Section 5(a), Congressionally Authorized Studies