

X178-1 Electric Transmission Line Rebuild Project

Woodstock, New Hampshire

PREPARED FOR

EVERSOURCE

Public Service Company of NH (PSNH)
d/b/a Eversource Energy
c/o Jeremy Fennell
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September 20, 2024

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1

Introduction

On behalf of Public Service Company of New Hampshire, d/b/a Eversource Energy ("Eversource"), VHB conducted various natural resource assessments and delineations along a section of overland transmission line right-of-way ("ROW") located between the Beebe Substation in Campton and North Woodstock, New Hampshire. VHB's assessments were conducted in support of a planned line rebuild project ("Project") of an approximately 14.1 mile portion of the Eversource X-178 Line, referred to herein as "X178-1". The proposed project is part of an overall 3-state initiative to maintain existing infrastructure and add reliable high-speed and high-capacity communications to all substations and Eversource facilities over the next six years.

The 250-foot wide Project ROW is largely in a maintained, managed condition and per information from Eversource, is mechanically cut on an approximately three- to five-year interval which maintains vertical clearance requirements between ground vegetation and the overhead lines. An approximately 1,000-foot long portion of the ROW in the town of Woodstock is located within property owned and controlled by United States Forest Service ("USFS") within the White Mountain National Forest ("WMNF"). The section of X178-1 line within USFS-owned land is located approximately between existing Structure 160 and 165, as depicted on the Rare and Invasive Species Survey Plan ("RISS Plan") in Appendix 3.

In general, land use and land cover surrounding the Project corridor is largely forested as well as with scattered rural and clustered residential and commercial developments, open fields, a golf course, agricultural lands, and a transfer station also present. The Project ROW is intersected by the Mad River in Campton, Willow Brook, Mill Brook, Hackett Brook, and Eastman Brook in Thornton, Russell Pond Brook in Woodstock, and other unnamed intermittent and perennial streams field-delineated by VHB during 2023 and 2024. The section of the Project within the WMNF that is the subject of this report is generally towards the northern end of the X178-1 section. It is located to the east/southeast of Interstate 93 ("I-93") and also east/southeast of a gravel town road named Cox Farm Road. The Eversource Woodstock substation is north of the WMNF section of Project ROW, on the northwest side of the Project's crossing of I-93 between existing Structure 167 and Structure 168, between approximately 1,050 and 1,190 feet elevation.

It is anticipated that the Project will require a Special Use Permit ("SUP") from the USFS for the portion of the ROW within the WMNF. Prior to Project construction and in order to meet the

needs of a SUP as well as the USFS' compliance with National Environmental Policy Act ("NEPA"), a floristic survey for Regional Forester Sensitive Species ("RFSS") and non-native invasive plant species ("NNIS") was requested of the Eversource. VHB conducted the RFSS and NNIS plant survey during the 2024 growing season. This report presents the survey methodology, results, and a brief discussion of Project with regard to RFSS and NNIS plants within the ROW on national forest land ("Survey Area").

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Survey Methods

VHB's survey methodology is described in the subsections below.

Desktop and Database Reviews

RFSS

VHB's RFSS study included desktop database reviews and a field survey, conducted in August of 2024. The 2024 survey was conducted in accordance with the WMNF General Plant Survey Protocol – White Mountain National Forest¹ guidance document ("Survey Protocol").

Prior to the field survey, the current RFSS list, as provided by USFS to Eversource² for the subset of RFSS known to potentially occur within powerline rights of way, was reviewed for the target species and habitats that may occur in the Survey Area. The RFSS habitats that were determined to be potentially present within the Survey Area during the desktop review included the following:

- › Rich Hardwood Forests and Talus Slopes;
- › Forest Seeps and Swamps;
- › Swamps and Open Wetlands;

¹ General Plant Survey Protocol White Mountain National Forest, Revised December, 2023. Provided to VHB by Eversource January 24, 2024.

² RFSS Plant Habitats & Effects Evaluation Summary template: Subset of RFSS that have potential to occur in powerline ROW habitats on the White Mountain National Forest (RFSS list as of 2023), provided to VHB by Eversource January 24, 2024.

- › Riparian; and
- › Rocky Ridges or Sandplains.

In addition to the WMNF RFSS list, VHB reviewed the list of plant species that are granted federal protection under the Endangered Species Act that occur in New Hampshire as well as the current list of New Hampshire plant species listed as Threatened and Endangered Species (“TES”), per the New Hampshire Official Rare Plants List³.

On behalf of the Project, VHB also conducted a consultation with the New Hampshire Natural Heritage Bureau (“NHNHB”) via the DataCheck Tool to assess if there are previously recorded TES or significant natural communities within or adjacent to the Project ROW. NHNHB provided a Data Check Results Letter on May 24, 2023, which did not identify any TES plant species. Accordingly, the NHNHB consultation did not yield any target species for field surveys.

VHB also reviewed natural resource mapping developed for the Project including wetland and stream delineation information. We reviewed US Geologic Survey topographic contour maps, US Department of Agriculture Soil Survey mapping, and aerial photography.

One goal of conducting the desktop and database reviews prior to field survey efforts is to identify the target species and/or habitats where more in depth coverage of field survey transects and observations are warranted. Another goal of the desktop and database reviews is to determine if there are known records of TES within the Survey Area or near vicinity, which may also warrant more in depth field survey coverage.

NNIS

For this study, plant species considered to be NNIS include those that are listed on the *Non-Native, Invasive Plant Species List for NH, ME, and WMNF*⁴. The New Hampshire Comprehensive Invasive Plant List⁵ was also reviewed.

Based on information provided by WMNF to Eversource, the Survey Area does not contain any NNIS previously observed or mapped by WMNF.

Field Survey

The field survey for RFSS (including TES) and NNIS was conducted on August 14, 2024 by Carla Fenner, a Professional Wetland Scientist and New Hampshire Certified Wetland Scientist who holds the position of Team Leader for Ecological Services for VHB Vermont. A resume which summarizes select relevant project and professional experience for Ms. Fenner is included in Appendix 1. Field surveys were carried out concurrently for RFSS and NNIS via meander survey protocol such that the entire Survey Area was observed and in compliance with the WMNF Survey Protocol. Data was collected using a GPS-enabled tablet equipped with data collection and mapping software and capable of collecting sub-meter accurate geospatial data. Field notes

³ New Hampshire Official Rare Plants List – Effective January 1, 2020. Available online at: <chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://www.nhdf.dnrc.nh.gov/sites/g/files/ehbemt866/files/inline-documents/rare-plant-list.pdf>

⁴ Non-Native, Invasive Plant Species List for NH, ME, and WMNF. December, 2023. Provided to VHB by Eversource.

⁵ New Hampshire Comprehensive Invasive Plant List. New Hampshire Department of Agriculture, Markets and Food and New Hampshire Department of Environmental Services, January 2023. Available online at: <chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://www.agriculture.nh.gov/publications-forms/documents/nh-invasive-plant-list.pdf>

and a list of identifiable vascular flora characteristic of on-site habitats were also recorded, and site photographs were collected to document representative conditions on site as well as support observations relevant to survey results as described below.

3

Survey Results

RFSS

There were no RFSS plant species observed within the Survey Area during VHB's August 14, 2024 field survey. Additionally, there were no TES plant species observed within the Survey Area.

The cleared portion of the ROW Survey Area was found to consist largely of dense herbaceous perennial vegetative cover dominated by common early-successional species such as Canada goldenrod (*Solidago canadensis*), common blackberry (*Rubus allegheniensis*), hay-scented fern (*Dennstaedtia punctilobula*), bracken fern (*Pteridium aquilinum*), and deer tongue grass (*Dichanthelium clandestinum*). Dominant early successional woody species within the maintained ROW in the Survey Area consisted of American beech (*Fagus grandifolia*), meadowsweet (*Spiraea alba*), paper birch (*Betula papyrifera*), pin cherry (*Prunus pennsylvanica*), and red maple (*Acer rubrum*). Most of the Survey Area is in upland condition with variable slope conditions, generally with a western aspect and moderate slope.

The cleared X178-1 corridor is bounded by forest, and the forest edge on both the east and west side of the cleared maintained corridor are within the ROW and were included in the Survey Area. Dominant vegetative cover in the forested edges of the ROW consists of deciduous hardwood tree species ranging in size from seedling and small sapling up to mature canopy trees. Characteristic species in the forest edge include red maple, American beech, sugar maple (*Acer saccharum*), yellow birch (*Betula allegheniensis*), and scattered white pine (*Pinus strobus*).

In smaller proportion than upland portions of the Survey Area, palustrine emergent and palustrine forested wetland areas exist, some in association with and/or adjacent to delineated stream channels. On-site wetland vegetation within the cleared ROW corridor was found to consist of common herbaceous species including sensitive fern (*Onoclea sensibilis*), cinnamon fern (*Osmundastrum cinnamomeum*), common softrush (*Juncus effusus*), narrow-leaf goldenrod (*Euthamia graminifolia*), and Canada bluejoint (*Calamagrostis canadensis*). Typical wetland vegetation in the forested edge portion of the ROW includes northeastern sedge (*Carex cryptolepis*), three-way sedge (*Dulichium arundinaceum*), American marsh-pennywort (*Hydrocotyle americana*), and foam-flower (*Tiarella cordifolia*).

Representative photographs of the upland cleared ROW and upland forested portions of the ROW as well as wetland cleared ROW and wetland forested portions of the ROW are included in Appendix 2. Delineated wetlands, streams, and the cleared and forested portions of the ROW Survey Area are depicted on the Rare and Invasive Plant Species Survey Plan mapping in Appendix 3.

NNIS

The field survey conducted on August 14, 2024 includes identification and delineation of on-site occurrences of NNIS. VHB observed two occurrences of the NNIS species white poplar (*Populus alba*) and one occurrence of the NNIS species glossy buckthorn (*Frangula alnus*).

Both occurrences of white poplar occur in close proximity to existing Eversource poles: one occurrence is within roughly 15 feet of existing Structure 164 and the other occurrence is within roughly the same distance from existing Structure 161. The white poplar occurrence close to Structure 160 consists of 12 plants, each less than approximately four feet tall and growing within approximately 15 feet of each other. The occurrence close to Structure 161 consists of seven plants growing within approximately 10 feet of each other and are also shorter than approximately four feet tall. The occurrence of glossy buckthorn is a single plant growing approximately two feet tall and located within a dense patch of hay scented fern.

Photographs of representative NNIS conditions and habitats are included in Appendix 2. Locations of the three observed NNIS occurrences are depicted on the survey plan in Appendix 3.

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Construction Management Recommendations

As there were no RFSS observed in the Survey Area, VHB does not recommend any specific construction measures to avoid or minimize impacts to RFSS.

VHB recommends that Project construction be conducted in accordance with the *Best Management Practices Manual for Utility Maintenance in and Adjacent to Wetlands and*

*Waterbodies in New Hampshire*⁶. Specifically, it is recommended that the Project thoroughly clean equipment and construction matting prior to mobilization onto the Project ROW and to avoid soil disturbance as much as feasible during construction within proximity of NNIS populations. Further, the selected seed mix for post-construction site stabilization should not contain any NNIS, and if stockpiling of soils taken from NNIS areas is necessary, it should not be relocated to another site or portion of the ROW.

⁶ New Hampshire Department of Natural and Cultural Resources. *Best Management Practices Manual for Utility Maintenance in and Adjacent to Wetlands and Waterbodies in New Hampshire*. March, 2019. Available online at: [dncr-utility-bmps-2019.pdf \(nh.gov\)](https://www.nh.gov/dncr/utility-bmps-2019.pdf)

APPENDIX 1 – Botanist's Resume

Carla A. Fenner, PWS, CWS

Team Leader – Ecological Services



Education

BS, Natural Resource Management, University of Hawaii, 2008

Registrations/Certifications

Professional Wetland Scientist
Certified Wetland Scientist, NH
OSHA 10-Hour Construction Safety and Health Certificate

Affiliations/Memberships

Vermont Endangered Species Committee, 2022
Vermont Scientific Advisory Group, for Flora, 2017
Vermont Scientific Advisory Group for Reptiles and Amphibians, 2023
Ecological Society of America
Native Plant Trust, Task Force, New England Plant Conservation Program, 2018
Vermont Association of Wetland Science
New York Flora Association
Society of Wetland Scientists, Northeast Chapter, 2014

Carla is a Professional Wetland Scientist, Certified Wetland Scientist, Ecologist, and Botanist with 16 years of demonstrated experience in a diverse range of sectors, including renewable energy, transmission and distribution, transportation, recreation, municipality, and land-development industries, as well as non-profit conservation organizations. Carla brings advanced proficiency in botany, detailed ecological investigations, wetland and waters delineations and functional assessments, stream investigation, floristic inventories, rare/threatened/endangered species surveys, vegetation management planning, and wildlife habitat evaluations. Carla's regular duties include natural resources and impact assessments, data analysis, technical reporting and permitting, and Client and Project management. Carla has detailed working knowledge of local, state, and federal regulations in northern New England and possesses a breadth of experience in agency consultation and project permitting and expert witness testimony under applicable natural resources, and land development regulatory programs.

16 years of professional experience

Renewable Energy - Solar and Wind Development, Various Projects

Carla has led natural resource delineations, assessments, and surveys, served as Project Manager, Field Crew Lead, and worked directly with Clients in support of the development of dozens of renewable energy projects across the state of Vermont. Carla's technical responsibilities have include wetland and stream delineation, vegetation management plans, surveys for RTE plant species, wildlife habitat assessments, natural community identification, vernal pool surveys, pollinator habitat planning, and more. Carla has authored numerous natural resources reports, conducted multi-agency regulatory consultations, provided testimony before the Public Utilities Commission, and prepared a range of collateral state and environmental permits.

Green Mountain Power and Vermont Transco (VELCO), Various Energy Transmission and Distribution Projects

Carla has conducted an extensive range of field studies, wetland delineations, rare flora surveys, natural resource reporting, wetland and waters permitting, and development of resource mitigation and monitoring plans for substation reconstruction, decommissioning, and relocation projects as well as for linear reconductoring and other transmission and distribution line projects. Her work on GMP and VELCO projects has been spread across many regions in Vermont and have involved extensive coordination and review by state and federal regulators as well as managing multiple tasks with overlapping deliverable deadlines and stakeholders.

VTrans – Biological Services 2015/2019 Master Services Agreement

Carla provided natural resource and biological consulting services in support of multiple projects under the Biological Services Contract PS0433, including an extension of that agreement through 2019 for which she served as the Deputy Project Manager. Carla's involvement included leading field natural resource delineations and assessments, managing resource data, developing technical reporting, conducting



agency coordination and client communications, permit development, and monitoring for projects across the state of Vermont.

VTrans - Vegetation Management Planning Study

Carla provided VTrans with Vegetation Management Planning services throughout a yearlong assessment and planning study to support the development of policy statements and a framework for decision-making with respect to VTrans' vegetation management practices. Her work included reviewing policy and guidance documentation, leading numerous meetings, developing and conducting a survey for internal and external stakeholders, and developing a white paper to be used by VTrans as a reference in consideration of the development of an agency Integrated Vegetation Management Plan.

Select examples of federally protected plants for which I have led or conducted surveys:

Bochera serotina, *Helenium virginicum*, *Helonias bullata*, *Isotria medeoloides*, *Scirpus ancistrochaetus*, *Astragalus robinsii* var. *jesupii*.

Select examples of state protected species for which I have led or conducted surveys:

Adiantum viridimontanum (VT), *Adiantum aleuticum* (VT), *Amerorchis rotundifolia* (ME), *Asclepias amplexicaulis* (VT), *Aureolaria flava* var. *flava* (VT), *Boechera stricta* (VT), *Boltonia montana* (VA), *Calystegia spithamea* (VT), *Carex polymorpha* (VA), *Pycnanthemum toryii* (VA), *Carex chordorrhiza* (VT), *Carex foena* (VT), *Carex muehlenbergii* var. *muehlenbergii* (VT), *Carex oligocarpa* (VT), *Carex prairea* (ME), *Coptidium lapponicum* (ME), *Corallhoriza odontorrhiza* (VT), *Crocianthemum bicknellii* (VT), *Equisetum palustre* (VT), *Eupatorium sessilifolium* (VT), *Helianthus strumosus* (VT), *Hypericum ascyron* (VT), *Lactuca hirsuta* (VT), *Lechea mucronata* (VT), *Lespedeza hirta* var. *hirta* (VT), *Liparis lilifolia* (VT), *Malaxis unifolia* (VT), *Morus rubra* (VT), *Physostegia virginiana* (VT), *Piptatheropsis pungens* (VT), *Polemonium vanbruntiae* (VT), *Rhodiola rosea* (VT), *Rosa acicularis* var. *sayi* (VT), *Sanicula canadensis* var. *canadensis* (VT), *Taenidia integerrima* (VT), *Triphora trianthophora* (VT, VA), *Ulmus thomasi* (VT), *Veronicastrum virginicum* (VT).

Note: In addition to the above state and federally protected species, I have led and conducted surveys, contributed new observation and occurrence information, and conducted planning, mitigation, and monitoring for numerous State-rare and uncommon species.

Example Projects – Target Rare Flora Surveys Completed

- Green Mountain Power Rutland Area Reliability Project; Florence to Rutland, VT; Botanist; Led survey team on approximately 13 mile corridor for several state-rare and protected plants; survey identified new populations of 10 new rare/protected species occurrences and the largest population of *Aureolaria flava* var. *flava* (S2 in Vermont) in the state. Lead author on technical report used in Takings and collateral (Section 248) permitting.
- Emera Maine Line 1176 Rebuild Project; Presque Isle to Easton, ME; Botanist; Led survey team for numerous state rare and protected plants in existing and proposed (undeveloped) 17 mile utility corridor, specific target species of bog and

fen characteristic flora. Lead author on technical report used for collateral land use permitting.

- Green Mountain Power multiple hydroelectric facilities, multiple towns/counties in Vermont; Botanist; Study design and team lead for general and target floristic surveys of riparian, shoreline, and aquatic rare and protected species, analysis of potential impact from operation of hydroelectric facilities. Technical reporting supporting FERC license applications.
- Dominion Energy Atlantic Coast Pipeline, multiple counties, western Virginia and eastern West Virginia; Botanist; comprehensive floristic surveys in George Washington National Forest, numerous state and private conservation lands; habitat assessments and follow up targeted surveys for federally listed species *Isotria medeoloides*, *Helenium virginicum*, *Heloinias bullata*
- SolarCity Lamoille Valley Solar Project, Milton, VT; Botanist; comprehensive inventory of sandplain habitat and survey of known and previously undocumented occurrences of rare and protected Sandplain community species. Lead author on technical report used for collateral land use permitting.
- Central Hudson Gas and Electric, H&SB Electric Transmission Lines Rebuild Project; Ecologist; Lead surveyor for several threatened and endangered plant species along approximately 23 mile linear project, Catskills region New York
- Green Mountain Power, Lowell to Johnson Line Rebuild; Botanist; technical lead on comprehensive inventory of approximately 20 mile utility corridor, technical lead on riparian corridor impact assessment, rare plant survey which documented more than 13 new rare or protected plant occurrences, wetland delineation and functional assessment
- Bullrock Deutsche Ferry Road Solar Project; Charlotte, VT; Botanist; survey, mitigation transplanting planning and transplanting implementation, annual follow up monitoring for population of *Juncus toreyii* (S2 in Vermont)
- Vermont Gas Systems, Addison Natural Gas Project, Colchester to Middlebury; Botanist; survey for floristic elements in numerous Champlain Valley Biophysical Region habitats, emphasis in calciphile and enriched-site species

Example Projects - Vegetation Monitoring, Natural Community, or General/Comprehensive Floristic Surveys

- [Client name withheld] Multiple ski resort locations, Maine; Botanist; Led survey teams on floristic inventory of hundreds of acres of existing and potential expansion of ski area development, mid- and upper elevation forest natural community delineation and characterization, study design for follow up target species surveys per community type and habitat
- Green Mountain Power, Searsburg Wind Facility; Botanist; comprehensive floristic inventory and natural community assessment targeting rare upper elevation forest associated rare flora including high-elevation bogs and wetlands
- Vermont Transco, LLC, St. Albans Substation; Ecologist; comprehensive floristic inventory and non-native invasive plant assessment of multiple habitats including emergent wetlands, riverine system, and mesic upland communities

- All Earth Renewables, Kidder Hill Wind; Botanist/Ecologist; floristic inventory of more than 100 acres of undeveloped mid- to upper- elevation forested habitats, including natural community determinations, habitat characterization, and target surveys for rare and protected fern species
- Vermont Telecommunications Authority; Botanist/ Environmental Scientist; habitat survey for protected flora on proposed telecommunication infrastructure sites in seven rural towns across Vermont

Select examples of vegetation mitigation, monitoring and management plans:

- Vermont Gas Systems; Botanist; Expert technical support for a vegetation management plan including linear utility corridor invasive plant management; Vermont Takings Permit for *Helianthus strumosus* including development of a transplanting mitigation and monitoring plan
- Bullrock-Deutsche Westminster Solar Project; Westminster, VT; Botanist; survey, seed collection, storage, and mitigation planting plan development for *Chamaecrista nictitans* (S1 in Vermont)
- Berlin Mall Out-Parcel E; Environmental Scientist/ Botanist; created planting plan for wetland mitigation enhancement and restoration for disturbed site reclamation
- Middlebury WCRS(23) – Bridge Replacement; Botanist; Developed natural community restoration planting plan for floodplain forest impact mitigation
- Sugarbush Resort, Lincoln Peak Re-Development; Botanist; riparian corridor natural community and invasive species survey, development of a riparian restoration planting plan, vegetation monitoring

Example Projects – Technical/Scientific Reports

(VHB) Fenner, C.A. *Lespedeza hirta* ssp *hirta* Impact Mitigation Plan. Contracted under VHB #58112.00 (prepared for Renaud Bridgman Quarry and as appended to Vermont Takings Permit EH-2022-06).

(VHB) Fenner, C.A. Bolton Falls Hydroelectric FERC Relicensing: Rare, Threatened, and Endangered Species Study Plan. Contracted report under VHB #57646.50 (prepared for Green Mountain Power Corp.)

Fenner, C.A. *Juncus toreyii* Surveys, Impact Analysis, and Mitigation Plan – Bullrock Deutsche Ferry Road Solar Project. Contracted report under VHB #57346.01 (prepared for Bullrock Deutsche Eco)

Fenner, C.A. Section 248 Natural Resources Assessment Report – Rutland Area Reliability Project. Contracted report under VHB #57876.00 (prepared for Green Mountain Power Corp.)

Fenner, C.A. Section 248 Natural Resources Assessment Memorandum – Saint Albans Substation. Contracted report under VHB #57721.00 (prepared for VELCO)

Fenner, C.A. Summary of Floristic Field Studies – Line 1176 Rebuild. Contracted report under VHB #55122.00 (prepared for Emera Maine)

Fenner, C.A. Assessment of Necessary Wildlife Habitat and Rare, Threatened and Endangered Species – Phase I Carinthia. Contract report under VHB #57371.03 (prepared for Mount Snow Resort)

Example Presentations and Instruction

Exemplary Forestry to Achieve Landscape Scale Habitat Enhancement in New England
– Yankee Society of American Foresters, 2020

Wetland Restoration in Action: Vermont Case Studies – Northeast Natural History
Conference, 2018

Achieving Pollinator-Friendly Solar Projects – Renewable Energy Vermont, 2018

Rare Plant Habitat Avoidance and Mitigation – contracted under Green Mountain
Power, staff training, 2017

Ecology Seminar: Rare Species Element Occurrences and Determining On-Site Habitat
– VHB, 2016

Wetlands and Wetland Delineation – UVM Forestry NREM 205, guest lecturer and lab,
2016 and 2017

Ecology Seminar: Vermont's Natural Community Ranking Specifications – VHB, 2014

Wildlife and Conservation Practices in Forestry – Vermont Woodlands Association,
2014

What Every Forest Landowner Should Know – RNRCD and Vermont Woodlands
Association, 2011

Managing your Forest for Wildlife – Bennington Sustainable Forestry Consortium, 2011

APPENDIX 2 – Representative Photographs



Photography Log

PROJECT NUMBER

52978.00

CLIENT

Eversource Energy

13 Legends Drive

Hooksett, NH 03110

LOCATION

X178-1 Line Rebuild Project RFSS and NNIS Survey

Woodstock, New Hampshire



NO. 1 / 8.14.2024

DESCRIPTION

Representative upland conditions within the WMNF cleared ROW Survey Area



NO. 2 / 8.14.2024

DESCRIPTION

Representative conditions of white poplar NNIS occurrence habitat.



NO. 3 / 8.14.2024

DESCRIPTION

Representative view of the generally eastern aspect of the Survey Area, where a delineated wetland is mapped within the area of low-lying concave topography.



NO. 4 / 8.14.2024

DESCRIPTION

An area of dense deer-tongue rosette-panicgrass within the Survey Area.



NO. 5 / 8.14.2024

DESCRIPTION

Representative view of upland forest conditions on the eastern side of the ROW.



NO. 6 / 8.14.2024

DESCRIPTION

Representative conditions of a forested wetland area within the ROW Survey Area.



NO. 7 / 8.14.2024

DESCRIPTION

Representative view of the glossy buckthorn NNIS occurrence.



NO. 8 / 8.14.2024

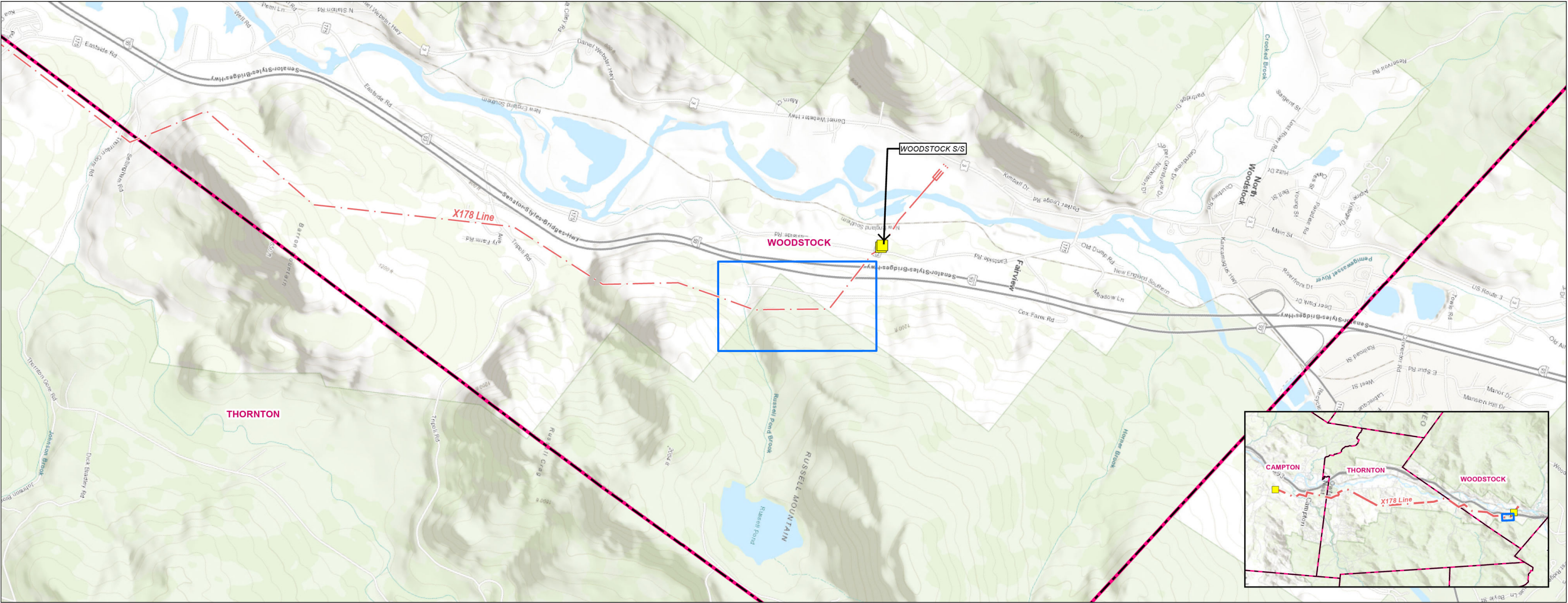
DESCRIPTION

Representative view of the habitat of the glossy buckthorn NNIS occurrence in the ROW.

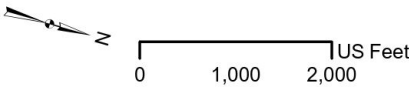
APPENDIX 3 – Rare and Invasive Species Survey Plan

X178-1 Rebuild Project
Woodstock, New Hampshire
Rare and Invasive Species Survey Plan

Date: September 20, 2024



- Legend**
- Substation
 - Overhead Eversource Lines
 - Map Sheet
 - Municipal Boundary



INDEX OF FIGURES
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Map Sheets 1-1

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