



To: ER Reservoir Road Solar Project File

Date: December 4, 2024

Memorandum

Project #: 58952.07

From: Allison L. Slaney, PWS;  
Environmental Scientist and  
Adam R. Crary, PWS, PWD;  
Regulatory Team Leader, Renewables

Re: Distribution Line Upgrades – Section 248 Natural Resources  
Assessment Supplement

## Introduction

At the request of Encore Renewable Energy, and on behalf of Reservoir Road Solar, LLC ("RRS" or "Petitioner"), VHB is providing this memorandum to document a natural resource assessment associated with distribution line upgrades to Village of Enosburg Falls Water & Light Department ("VOEF") existing distribution line (1G5 Main) in Berkshire and Enosburg, Vermont ("Distribution Line Upgrades" or "Project"), required to serve interconnection for the proposed RRS solar generation facility located off Reservoir Road in Berkshire, Vermont ("RRS Project"). As the Petitioner understands, upgrades to the line will be carried out for VOEF by Green Mountain Power ("GMP"). The proposed RRS Project requires upgrades to the existing three-phase distribution line from the point of Project interconnection adjacent to the RRS access road off Reservoir Road, extending down the Water Tower Road fork, and then along Vermont Route 105 to the Village of Enosburg Falls, intersecting with Vermont Route 108 N. A map of the Distribution Line Upgrades is included as Attachment 1.

The primary distribution line improvement is the reconductoring of the existing three-phase distribution line and associated voltage upgrades that are not ground disturbing. In connection with this work, in-kind pole replacements and structure removal will occur where necessary and as noted in Attachment 1. VOEF, through GMP will replace conductors, circuit brakes, blade disconnects, and other collaterals associated with voltage upgrades. These features will be mounted on fixed poles above the ground and/or suspended from the overhead line. The upgraded line and pole replacements follow the existing line location with one minor exception to relocate a pole roadside (Attachment 1, Sheet 4).

VHB understands any necessary vegetation management within the existing corridor will be conducted as line maintenance. Construction equipment access will be achieved from the existing roadway and/or with low-ground pressure equipment where off-road access is needed to avoid soil disturbance. No excavation or grading will be required with the exception of limited soil disturbance associated with cuttings from individual pole removal and installation.

This memorandum is intended to supplement VHB's RRS Natural Resources Memorandum ("RRS NR Memo") for the solar project site. A summary of VHB's assessments of natural resources, potential impacts, and/or anticipated environmental permits for the distribution line upgrade corridor is provided below.

## Methodology

VHB followed a similar desktop and database review, field assessment, and mapping methodology for wetlands and surface waters as described in the RRS NR Memo. In general summary, following a desktop review of publicly available data maintained by the Vermont Agency of Natural Resources ("ANR"), a VHB Environmental Scientist

conducted a field reconnaissance ("recon") under mostly bare ground conditions on February 13 and 14, 2024, to document existing field conditions and to assess the presence/absence of potential natural resources constraints. The existing distribution line corridor is assumed to be approximately 50-feet wide. The natural resources investigation area for the distribution line upgrades extended approximately 75-feet laterally from the line center in both directions to account for potential resource buffers that may extend into the Distribution Line Upgrade area ("Study Area"). The focus of the recon was primarily to approximate wetlands and waters extents to identify areas where line upgrade techniques would need to be adjusted to avoid and minimize potential natural resources impacts or adhere to applicable best management practices ("BMP's"). The recon-level mapping is not a detailed delineation. On October 9, 2024, the Department of Environmental Conservation, District Wetlands Ecologist Krystal Sewell, reviewed the wetland recon with respect to mapped wetlands where structure removal/replacement locations are proposed to occur and confirmed the mapped wetland boundaries and classifications of these mapped wetlands.

## Findings

VHB identified the existing pole structures located within the existing distribution line. The existing line passes through residential lawns, agricultural fields, naturalized areas outside of the overhead line corridor, and downtown Enosburg Falls. Wetland and surface water resources were identified, assessed, and mapped under the above methodology. These resources and associated buffers along with existing and proposed distribution upgrades are depicted on Attachment 1. Other natural resources reviewed by VHB were not found during desktop or field review within the Study Area including; outstanding resource waters, shorelines, rare and irreplaceable natural areas, endangered species, or necessary wildlife habitat. Representative photographs of the Study Area for the Distribution Line Upgrades are provided in Attachment 2.

## Wetlands

There are several Vermont State Wetlands Inventory ("VSWI") features mapped along and adjacent to the overhead line corridor. In addition, VHB mapped boundaries of multiple wetland areas, some of which are Categorical Class II wetlands as they provide the following Vermont Wetland Rule ("VWR") (ANR 2023) functions at present or high levels: Water Storage for Flood Water and Storm Runoff (5.1), Surface and Ground Water Protection (5.2), Fish Habitat (5.3), Wildlife Habitat (5.4), and/or Erosion Control through Binding and Stabilizing the Soil (5.10) (see Attachment 1 for wetland boundaries and classifications, Attachment 1). In addition to Categorical Class II wetlands depicted on the map, several wetlands are proposed Class III as they do not appear to meet any of the VWR functions and/or values at a significant level.

Proposed work in Class II areas consists of in-kind pole replacements in wetlands and wetlands buffer, and one transformer platform removal from its current location on a pole in a wetland buffer (as depicted on the Distribution Line Upgrades Natural Resources Map). Proposed structure replacements and removals within Categorical Class II wetlands or buffers qualify as an Allowed Use under Section 6.8 of the VWR and as such the Distribution Line Upgrade activities do not require a Vermont Wetland Permit ("VWP"). However, as described in the RSS NR Memo the Petitioner will obtain coverage under an Individual VWP to authorize impacts to Class II wetlands and buffers associated with the RSS Project. The Distribution Line Upgrades will be reviewed together with the RSS Project as one single and complete project covered under the Individual VWP, and the Project will implement Best Management Practices ("BMPs") in accordance with the issued VWP.

Likewise, the Distribution Upgrades would be reviewed together with the RRS Project, which requires a federal Clean Water Act Section 404 Vermont General Permit ("GP") by the US Army Corps of Engineers ("USACE"), presumably to be covered under GP #18 for linear transportation projects and stream/wetland crossings as there will be activities within delineated wetlands to upgrade the existing road. All necessary wetland permits will be obtained before construction. Wetland and wetland buffer demarcation is anticipated to be required as part of EPSC measures in a forthcoming construction stormwater permit. As such, the Project will comply with the VWR and will not result in undue adverse impacts to wetlands, significant or otherwise.

### Waterways

VHB also mapped several stream channels, including a portion of Trout Brook, a stream with a mapped ANR River Corridor, a Surface Water Protection area, and FEMA Flood Hazard area. The only Distribution Line Upgrade activity proposed within the 50-foot river corridor of Trout Brook is reconductoring of the overhead wire that extends between existing poles. This section of line upgrades overlaps with the RSS Project, where there will be other activities within the Trout Brook corridor that are not part of the line upgrades (and are not described herein). Reconductoring the line in this location would take place from the existing roadway, existing access roads off of Reservoir Road, or via low-ground pressure equipment to avoid soil disturbance. There is no new tree clearing due to the line upgrade activities, poles are proposed to be replaced and no new poles will be placed within the ANR River Corridor. As the only activities associated with the Distribution Line Upgrades will result in limited earth disturbance (access and pole replacement), VHB understands a Flood Hazard Areas and River Corridors ("FHARC") permit review will not be required for the line upgrades. The Project will not restrict or divert the flow of flood waters (floodway or floodway fringe), or endanger the health, safety, and welfare of the public, or of riparian landowners during flooding or from potential erosion.

For the remainder of the Distribution Line Upgrades, streams will be crossed via existing roadways, with no permanent or temporary crossing improvements needed. There is no other work proposed within 50-feet of a delineated perennial stream, ANR Mapped River Corridor, or FEMA Flood Hazard Area.

### Conclusion

Wetlands and wetland buffers that are anticipated to be regulated pursuant to the VWR, as well as wetlands and waters under Section 404 of the Clean Water Act jurisdiction, are present in the Study Area. As described above, the Distribution Line Upgrades alone would not trigger the need for permit authorization under the state VWR or a Pre-Construction Notification under the federal USACE Section 404 Vermont General Permit. However, activities associated with the Distribution Line Upgrades will be reviewed under the RRS Project's 404 and VWP authorizations as a single and complete project. Lastly, RRS anticipates that no separate collateral permit authorizations will be required prior to conducting the distribution line upgrade work described above.

Based on the findings of VHB's review and the limited scope associated with structure upgrades and activities following typical line maintenance procedure by GMP/VOEF, it is VHB's opinion that no further natural resource assessments are necessary, the Project will not result in new natural resources impacts, and no other separate environmental permits are necessary for Project interconnection upgrades beyond what the RRS is required to obtain.

## Attachments

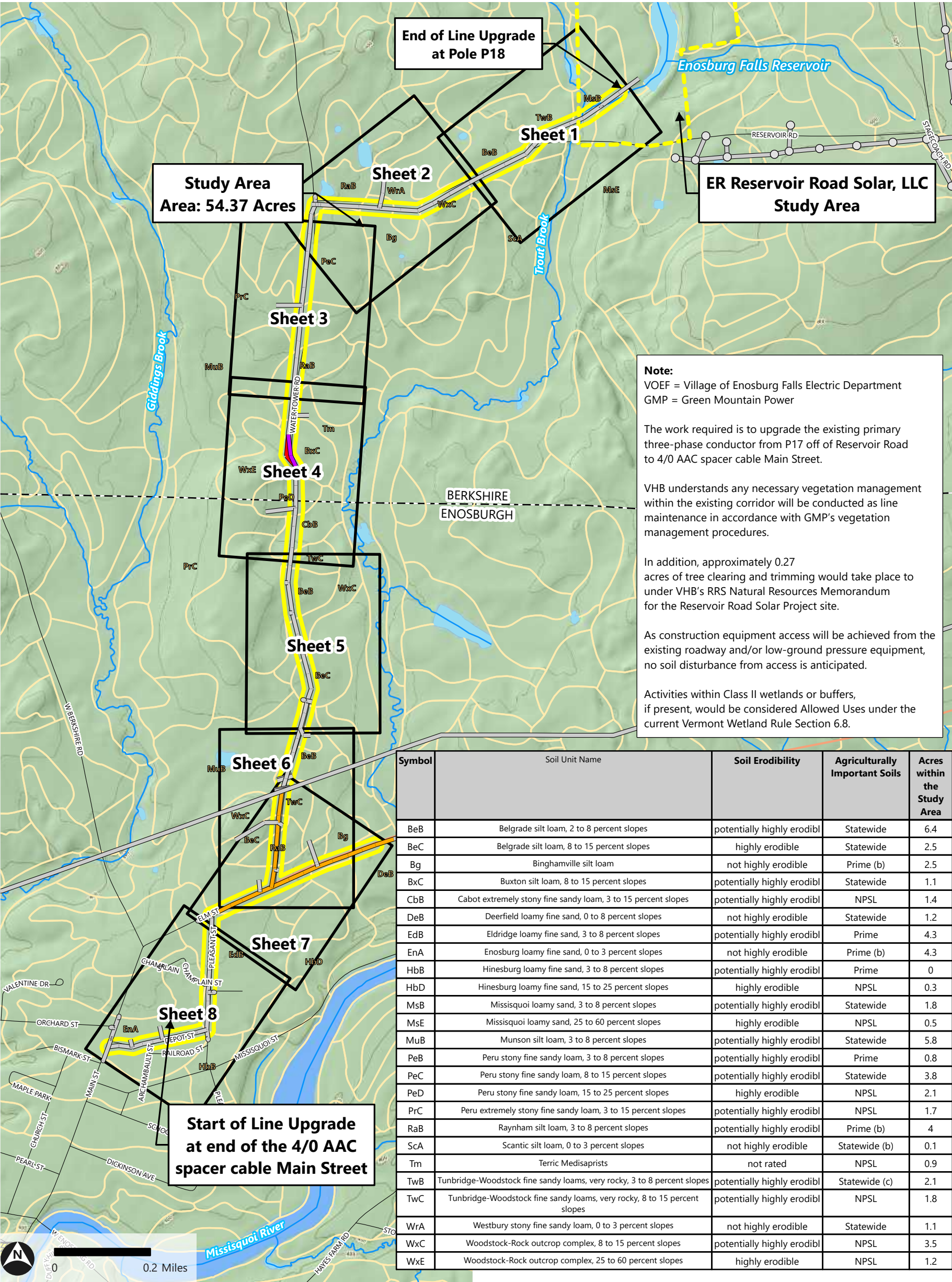
1. ER Reservoir Road Solar Distribution Line Upgrades –Natural Resources Map
2. ER Reservoir Road Solar Distribution Line Upgrades – Representative Site Photographs

## References

Agency of Natural Resources. 2023. *Vermont Wetlands Rules*. Department of Environmental Conservation. Effective February 10, 2023.

\\vhb.com\gbl\proj\s Burlington\58952.07 encore enosburg falls\docs\memos\nr memo\interconnect memo\er reservoir road ix\_nr memo\_11-22-24.docx





- Sheet Index (VHB)

Study Area (VHB)

ER Reservoir Road - Study Area (VHB)

Existing Overhead Line (VHB/PLM)(171)

Remove Overhead Line (VHB/PLM)(2)

Replace Overhead Line (VHB/PLM)(2)

Voltage Conversion (VHB/PLM)(20)

Electric Substations (VCGI)

Stream (ANR)

Waterbody (ANR)

NRCS Soil Boundary (VCGI)

State Highway (VTrans)

Town Road (VTrans)

County Boundary (VCGI)

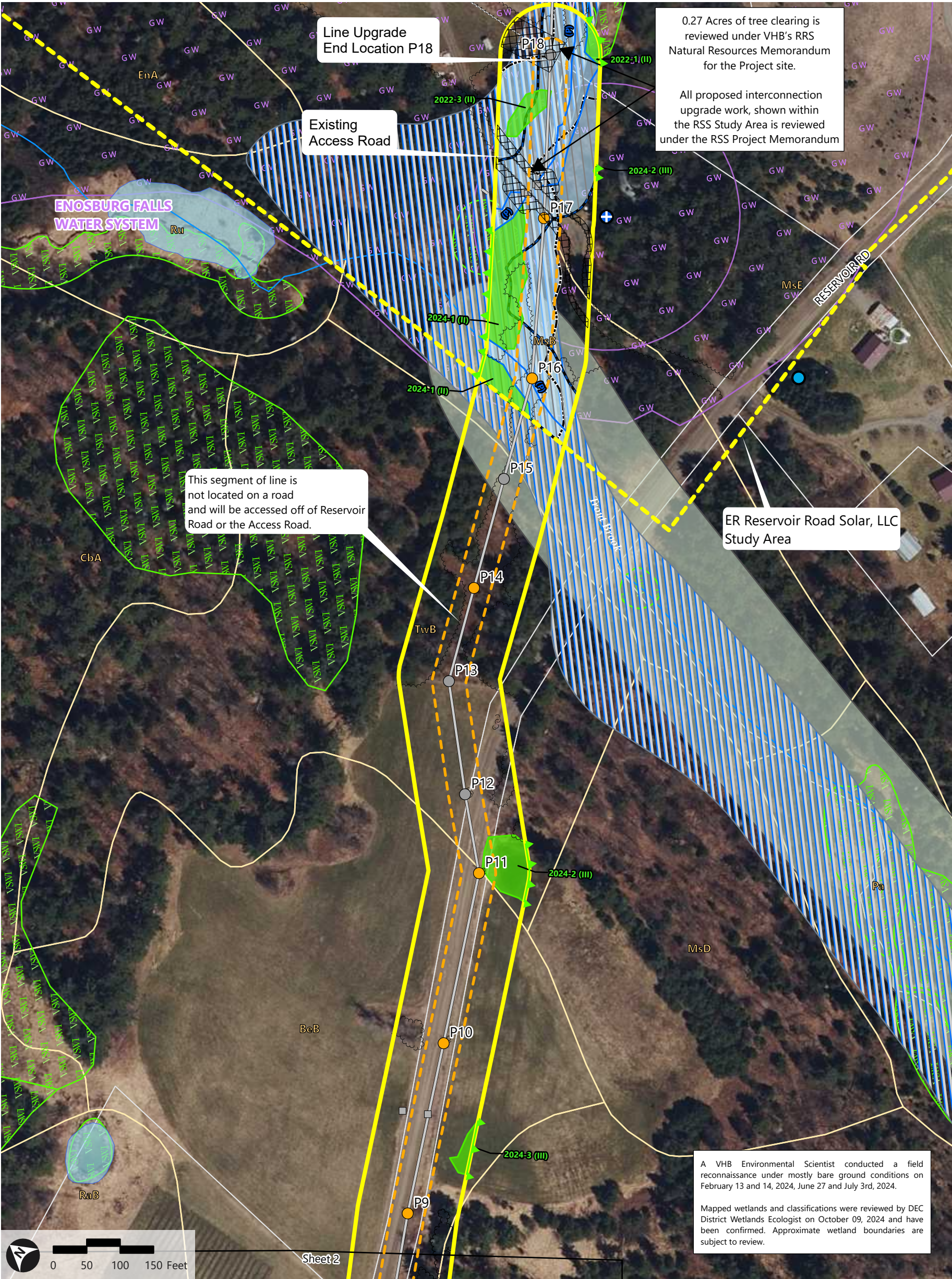
Town Boundary (VCGI)
- Sources: Background Imagery by VCGI (Collected in 2019), VCGI (Vermont Center for Geographic Information - Various Dates)  
ANR (Vermont Agency of Natural Resources - Various Dates), FEMA (Federal Emergency Management Agency - Various Dates),  
VTrans (Vermont Agency of Transportation - Various Dates), VHB (2023)



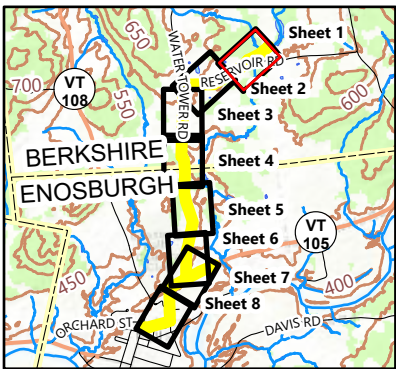
ER Reservoir Road Solar Distribution Line Upgrades – Natural Resources Map

Natural Resources Map: Sheet 1 of 8

Village of Enosburg Falls Electric Light Department - Distribution Line Upgrades | Berkshire - Enosburg, Vermont



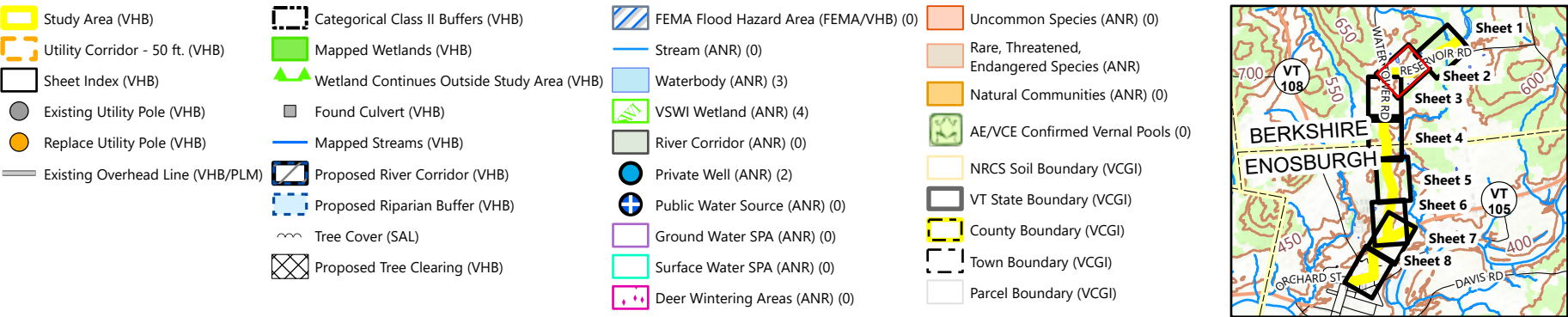
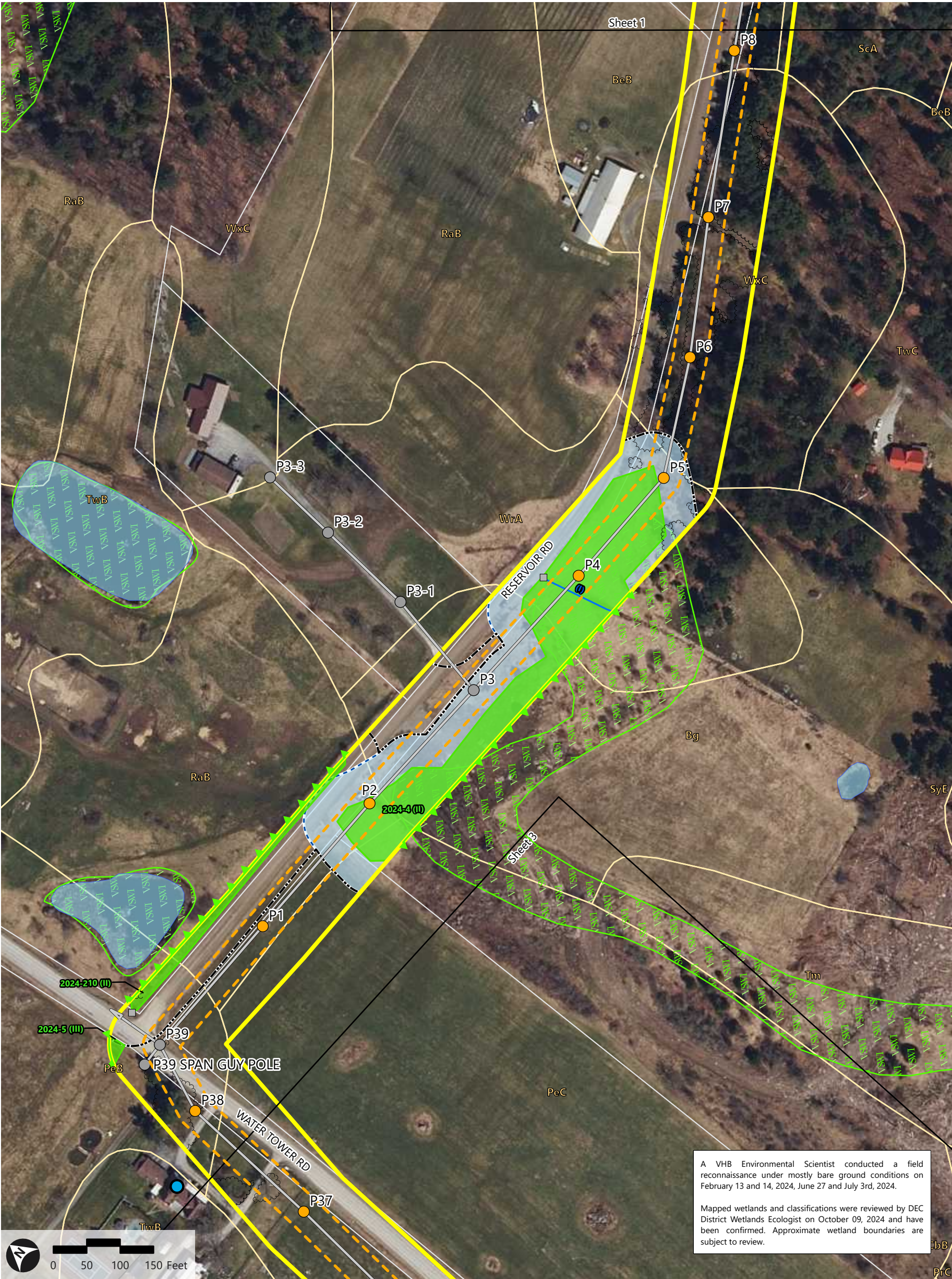
|                                         |                                            |                                       |                                            |
|-----------------------------------------|--------------------------------------------|---------------------------------------|--------------------------------------------|
| Study Area (VHB)                        | Categorical Class II Buffers (VHB)         | FEMA Flood Hazard Area (FEMA/VHB) (1) | Uncommon Species (ANR) (0)                 |
| ER Reservoir Road - Study Area (VHB)(1) | Mapped Wetlands (VHB)                      | Stream (ANR) (5)                      | Rare, Threatened, Endangered Species (ANR) |
| Utility Corridor - 50 ft. (VHB)         | Wetland Continues Outside Study Area (VHB) | Waterbody (ANR) (2)                   | Natural Communities (ANR) (0)              |
| Sheet Index (VHB)                       | Found Culvert (VHB)                        | VSWI Wetland (ANR) (13)               | AE/VCE Confirmed Vernal Pools (0)          |
| Existing Utility Pole (VHB)             | Mapped Streams (VHB)                       | River Corridor (ANR) (1)              | NRCS Soil Boundary (VCGI)                  |
| Replace Utility Pole (VHB)              | Proposed River Corridor (VHB)              | Private Well (ANR) (1)                | VT State Boundary (VCGI)                   |
| Existing Overhead Line (VHB/PLM)        | Proposed Riparian Buffer (VHB)             | Public Water Source (ANR) (1)         | County Boundary (VCGI)                     |
|                                         | Tree Cover (SAL)                           | Ground Water SPA (ANR) (3)            | Town Boundary (VCGI)                       |
|                                         | Proposed Tree Clearing (VHB)               | Surface Water SPA (ANR) (0)           | Parcel Boundary (VCGI)                     |
|                                         |                                            | Deer Wintering Areas (ANR) (0)        |                                            |





ER Reservoir Road Solar Distribution Line Upgrades – Natural Resources Map  
Natural Resources Map: Sheet 2 of 8

Village of Enosburg Falls Electric Light Department - Distribution Line Upgrades | Berkshire - Enosburg, Vermont

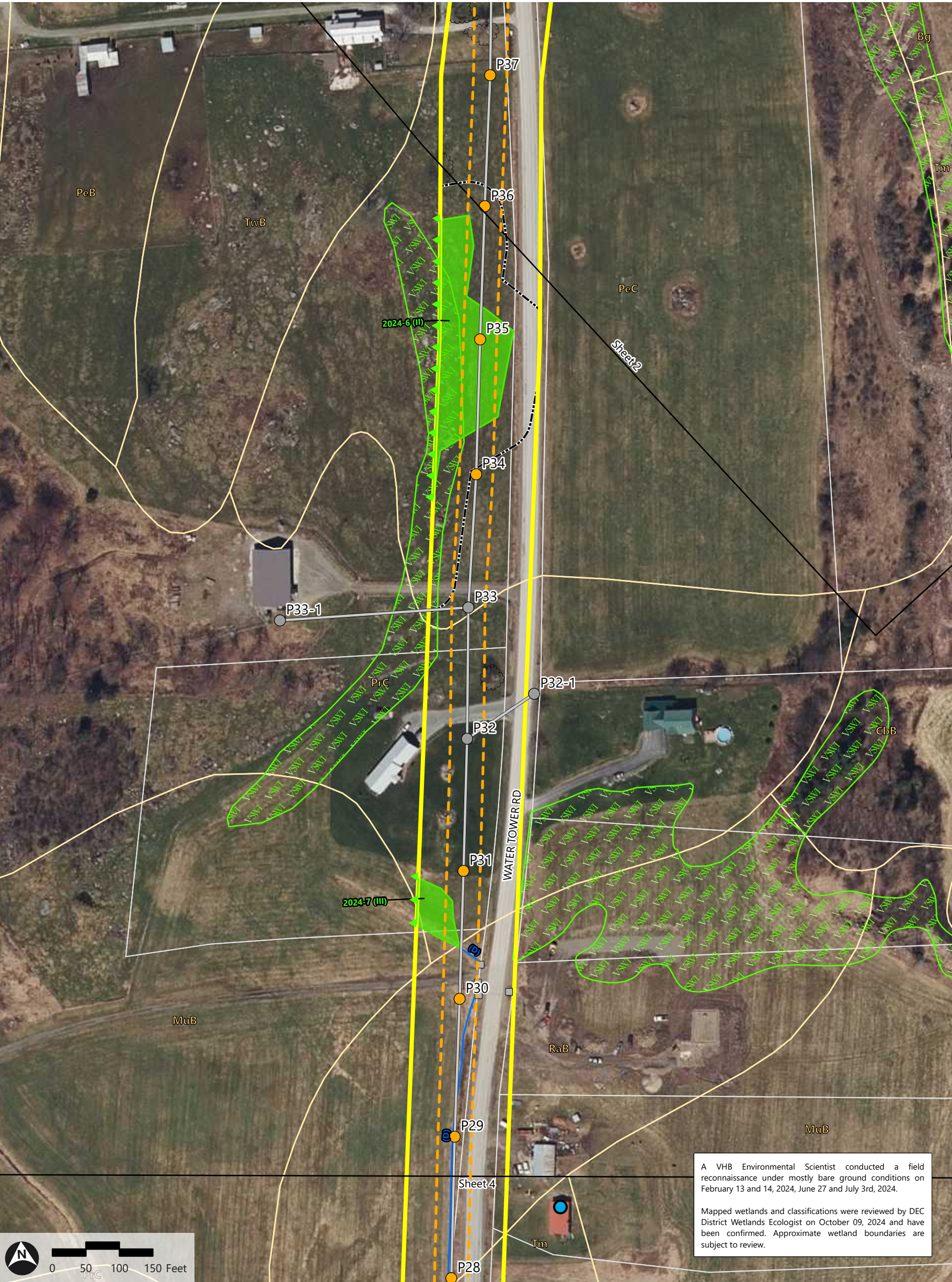




ER Reservoir Road Solar Distribution Line Upgrades – Natural Resources Map

Natural Resources Map: Sheet 3 of 8

Village of Enosburg Falls Electric Light Department - Distribution Line Upgrades | Berkshire - Enosburg, Vermont



- Study Area (VHB)

Utility Corridor - 50 ft. (VHB)

Sheet Index (VHB)

Existing Utility Pole (VHB)

Replace Utility Pole (VHB)

Existing Overhead Line (VHB/PLM)

Categorical Class II Buffers (VHB)

Mapped Wetlands (VHB)

Wetland Continues Outside Study Area (VHB)

Found Culvert (VHB)

Mapped Streams (VHB)

Proposed River Corridor (VHB)

Proposed Riparian Buffer (VHB)

Tree Cover (SAL)

Proposed Tree Clearing (VHB)

FEMA Flood Hazard Area (FEMA/VHB) (0)

Stream (ANR) (0)

Waterbody (ANR) (0)

VSWI Wetland (ANR) (4)

River Corridor (ANR) (0)

Private Well (ANR) (1)

Public Water Source (ANR) (0)

Ground Water SPA (ANR) (0)

Surface Water SPA (ANR) (0)

Deer Wintering Areas (ANR) (0)

Uncommon Species (ANR) (0)

Rare, Threatened, Endangered Species (ANR)

Natural Communities (ANR) (0)

AE/VCE Confirmed Vernal Pools (0)

NRCS Soil Boundary (VCGI)

VT State Boundary (VCGI)

County Boundary (VCGI)

Town Boundary (VCGI)

Parcel Boundary (VCGI)
- 
- Sources: Background Imagery by VCGI (Collected in 2022), VCGI (Vermont Center for Geographic Information - Various Dates); ANR (Vermont Agency of Natural Resources - Various Dates), FEMA (Federal Emergency Management Agency - Various Dates), SAL - UVM Spatial Analysis Lab (2016), PLM (ELECTRIC POWER ENGINEERING - 2024); VTTrans (Vermont Agency of Transportation - Various Dates), VHB (2023)

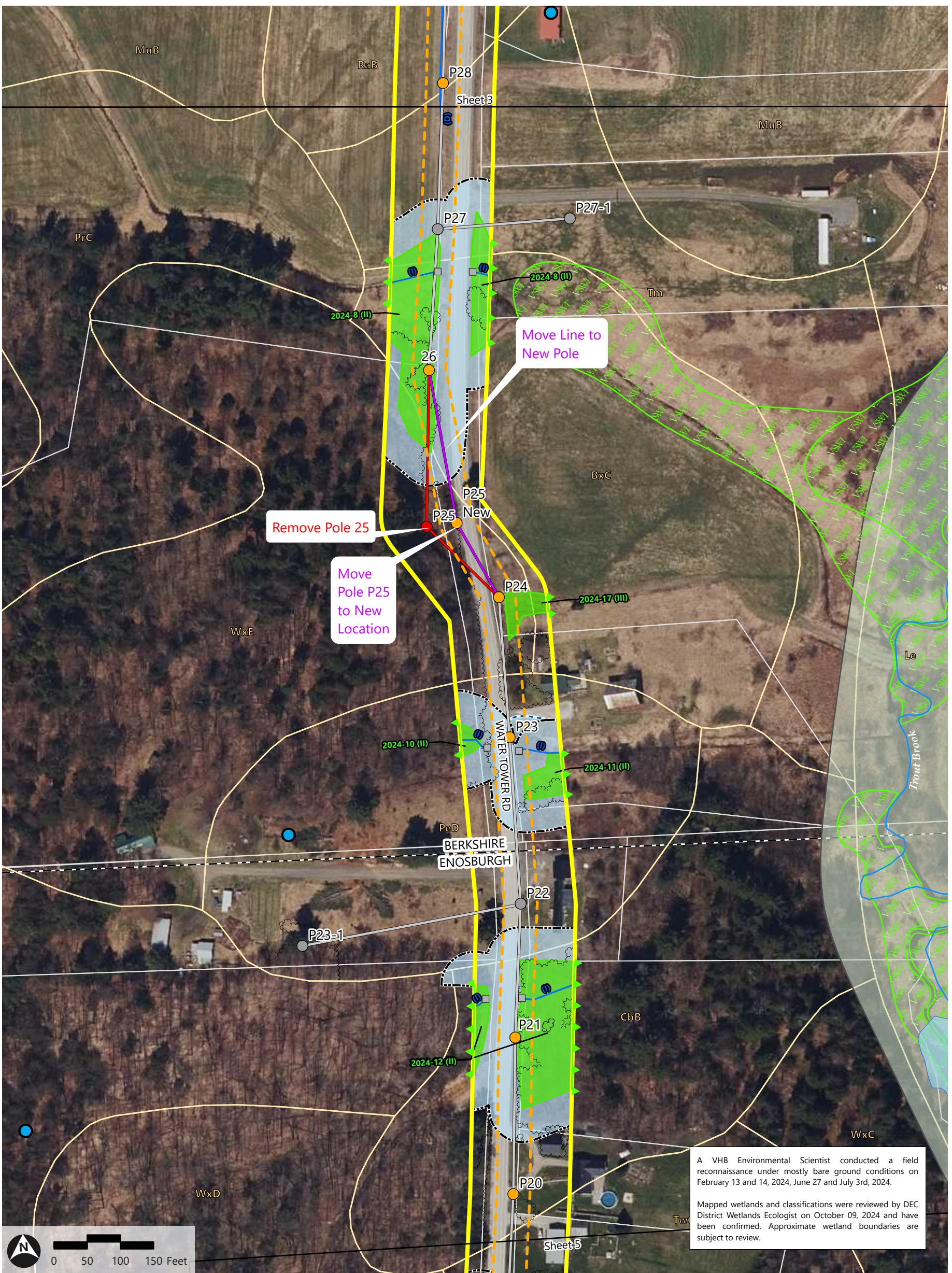


## Natural Resources Map: Sheet 4 of 8

Village of Enosburg Falls Electric Light Department - Distribution Line Upgrades | Berkshire - Enosburg, Vermont



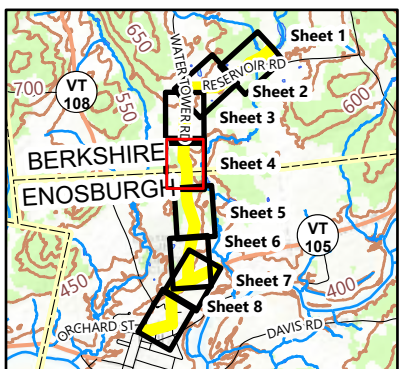
November 13, 2024



A VHB Environmental Scientist conducted a field reconnaissance under mostly bare ground conditions on February 13 and 14, 2024, June 27 and July 3rd, 2024.

Mapped wetlands and classifications were reviewed by DEC District Wetlands Ecologist on October 09, 2024 and have been confirmed. Approximate wetland boundaries are subject to review.

- |                                                                                                                      |                                                                                                                                |                                                                                                                           |                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
|  Study Area (VHB)                 |  Categorical Class II Buffers (VHB)         |  FEMA Flood Hazard Area (FEMA/VHB) (0) |  Uncommon Species (ANR) (0)                 |
|  Utility Corridor - 50 ft. (VHB)  |  Mapped Wetlands (VHB)                      |  Stream (ANR) (1)                      |  Rare, Threatened, Endangered Species (ANR) |
|  Sheet Index (VHB)                |  Wetland Continues Outside Study Area (VHB) |  Waterbody (ANR) (1)                   |  Natural Communities (ANR) (0)              |
|  Existing Utility Pole (VHB)      |  Found Culvert (VHB)                        |  VSWI Wetland (ANR) (6)                |  AE/VCE Confirmed Vernal Pools (0)          |
|  Remove Utility Pole (VHB)        |  Mapped Streams (VHB)                       |  River Corridor (ANR) (1)              |  NRCS Soil Boundary (VCGI)                  |
|  Replace Utility Pole (VHB)       |  Proposed River Corridor (VHB)              |  Private Well (ANR) (3)                |  VT State Boundary (VCGI)                   |
|  Existing Overhead Line (VHB/PLM) |  Proposed Riparian Buffer (VHB)             |  Public Water Source (ANR) (0)         |  County Boundary (VCGI)                     |
|  Remove Overhead Line (VHB/PLM)   |  Tree Cover (SAL)                           |  Ground Water SPA (ANR) (0)            |  Town Boundary (VCGI)                       |
|  Replace Overhead Line (VHB)      |  Proposed Tree Clearing (VHB)               |  Surface Water SPA (ANR) (0)           |  Parcel Boundary (VCGI)                     |
|                                                                                                                      |                                                                                                                                |  Deer Wintering Areas (ANR) (0)        |                                                                                                                                  |

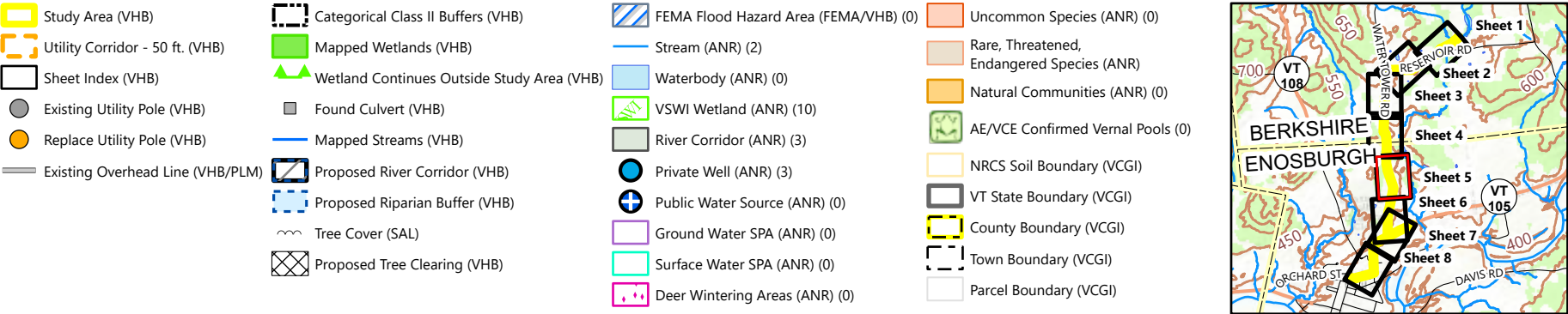
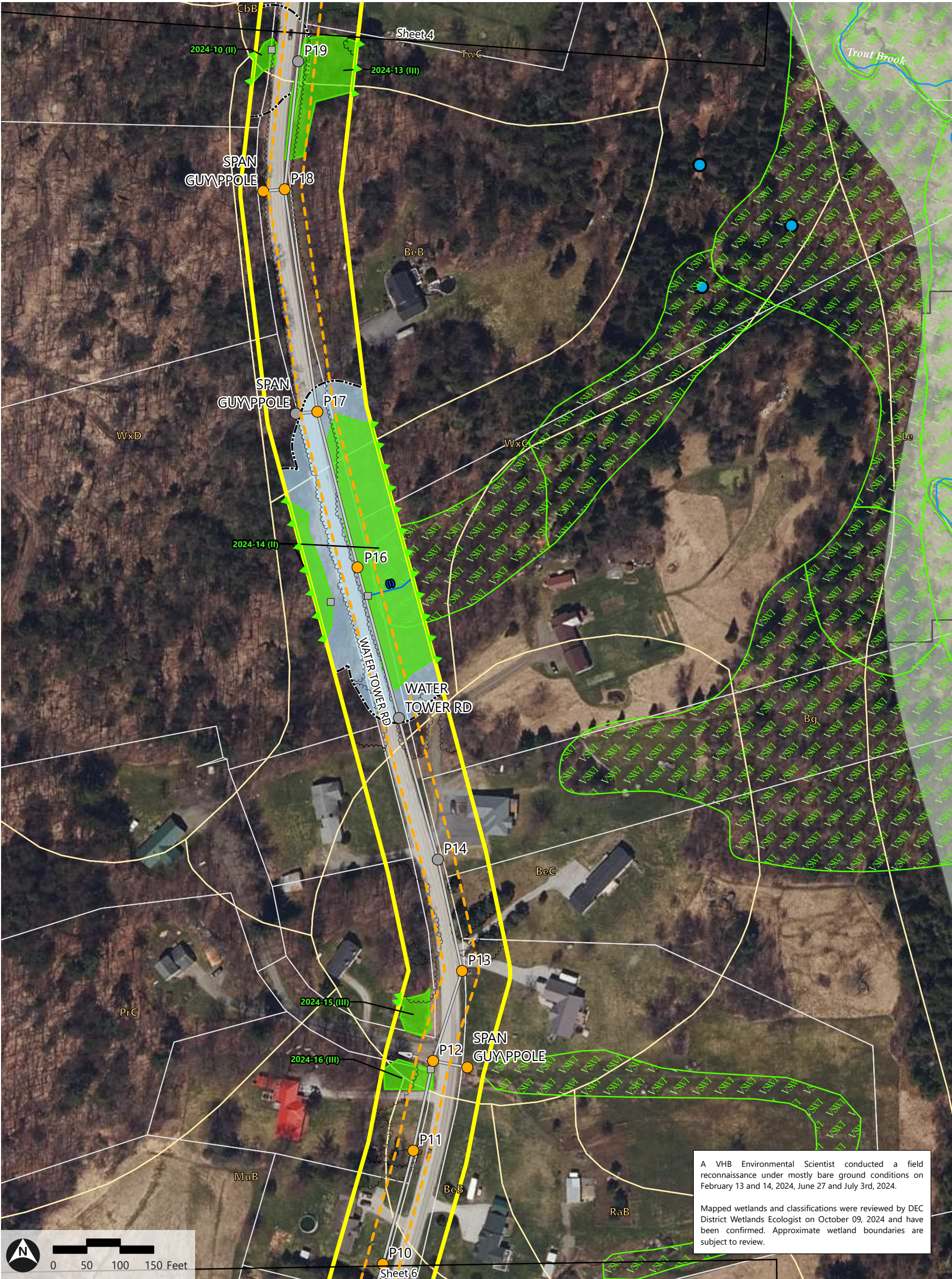


Sources: Background Imagery by VCGI (Collected in 2022), VCGI (Vermont Center for Geographic Information - Various Dates); ANR (Vermont Agency of Natural Resources - Various Dates), FEMA (Federal Emergency Management Agency - Various Dates), SAL - UVM Spatial Analysis Lab (2016), PLM (ELECTRIC POWER ENGINEERING - 2024); VTrans (Vermont Agency of Transportation - Various Dates), VHB (2023)



ER Reservoir Road Solar Distribution Line Upgrades – Natural Resources Map  
Natural Resources Map: Sheet 5 of 8

Village of Enosburg Falls Electric Light Department - Distribution Line Upgrades | Berkshire - Enosburg, Vermont



Sources: Background Imagery by VCGI (Collected in 2022), VCGI (Vermont Center for Geographic Information - Various Dates); ANR (Vermont Agency of Natural Resources - Various Dates), FEMA (Federal Emergency Management Agency - Various Dates), SAL - UVM Spatial Analysis Lab (2016), PLM (ELECTRIC POWER ENGINEERING - 2024); VTrans (Vermont Agency of Transportation - Various Dates), VHB (2023)



## Natural Resources Map: Sheet 6 of 8

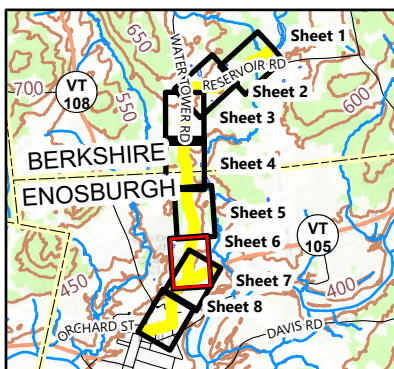
Village of Enosburg Falls Electric Light Department - Distribution Line Upgrades | Berkshire - Enosburg, Vermont



November 13, 2024



|                                                                                                                      |                                                                                                                                |                                                                                                                           |                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
|  Study Area (VHB)                 |  Categorical Class II Buffers (VHB)         |  FEMA Flood Hazard Area (FEMA/VHB) (0) |  Uncommon Species (ANR) (0)                 |
|  Utility Corridor - 50 ft. (VHB)  |  Mapped Wetlands (VHB)                      |  Stream (ANR) (0)                      |  Rare, Threatened, Endangered Species (ANR) |
|  Sheet Index (VHB)                |  Wetland Continues Outside Study Area (VHB) |  Waterbody (ANR) (1)                   |  Natural Communities (ANR) (0)              |
|  Existing Utility Pole (VHB)      |  Found Culvert (VHB)                        |  VSWI Wetland (ANR) (3)                |  AE/VCE Confirmed Vernal Pools (0)          |
|  Remove Utility Pole (VHB)        |  Mapped Streams (VHB)                       |  River Corridor (ANR) (0)              |  NRCS Soil Boundary (VCGI)                  |
|  Replace Utility Pole (VHB)       |  Proposed River Corridor (VHB)              |  Private Well (ANR) (1)                |  VT State Boundary (VCGI)                   |
|  Existing Overhead Line (VHB/PLM) |  Proposed Riparian Buffer (VHB)             |  Public Water Source (ANR) (0)         |  County Boundary (VCGI)                     |
|  Voltage Conversion (VHB/PLM)     |  Tree Cover (SAL)                           |  Ground Water SPA (ANR) (0)            |  Town Boundary (VCGI)                       |
|                                                                                                                      |  Proposed Tree Clearing (VHB)               |  Surface Water SPA (ANR) (0)           |  Parcel Boundary (VCGI)                     |
|                                                                                                                      |                                                                                                                                |  Deer Wintering Areas (ANR) (0)        |                                                                                                                                  |



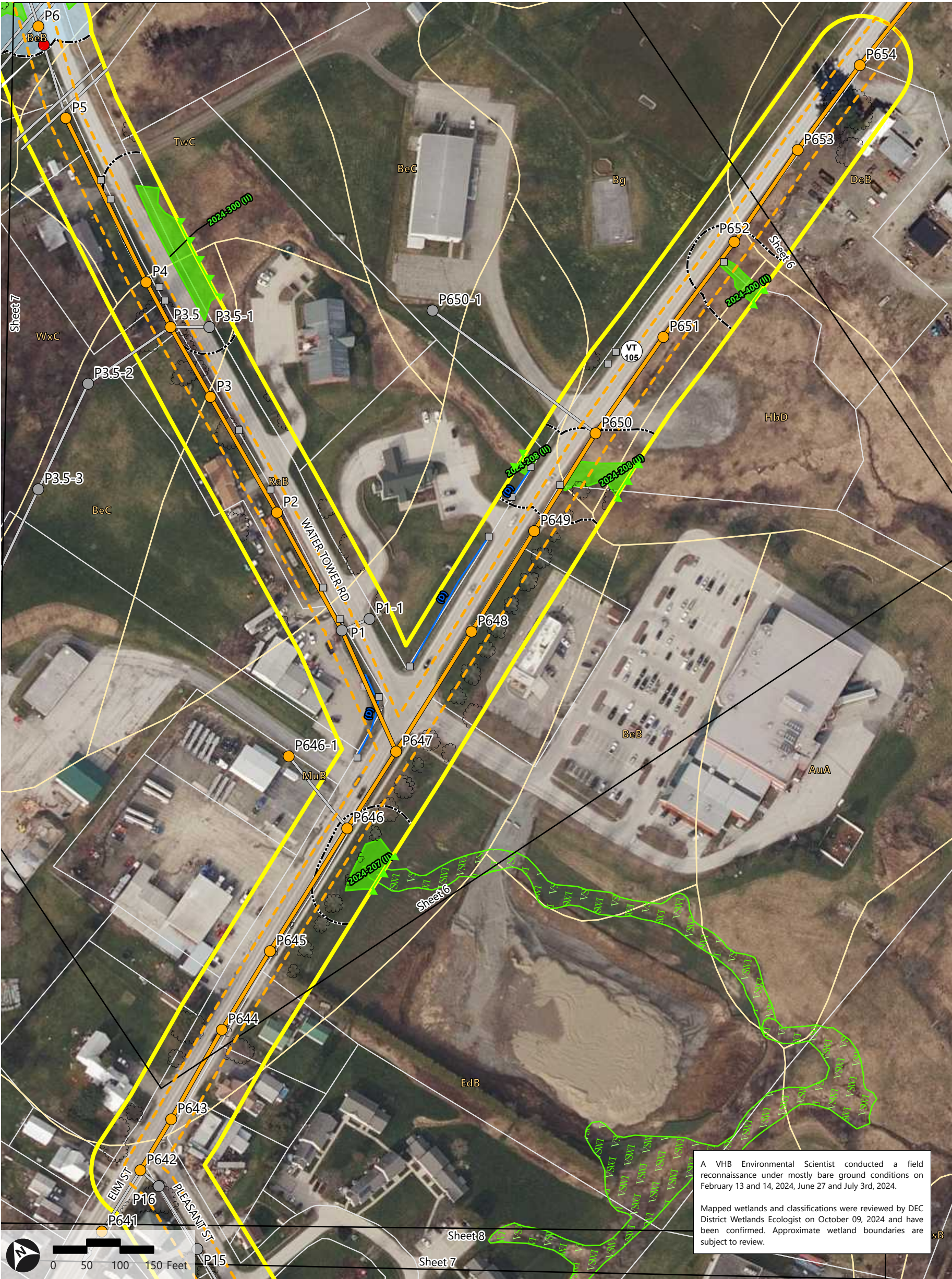
Sources: Background Imagery by VCGI (Collected in 2022), VCGI (Vermont Center for Geographic Information - Various Dates); ANR (Vermont Agency of Natural Resources - Various Dates), FEMA (Federal Emergency Management Agency - Various Dates), SAL - UVM Spatial Analysis Lab (2016), PLM (ELECTRIC POWER ENGINEERING - 2024); VTrans (Vermont Agency of Transportation - Various Dates), VHB (2023)



ER Reservoir Road Solar Distribution Line Upgrades – Natural Resources Map

Natural Resources Map: Sheet 7 of 8

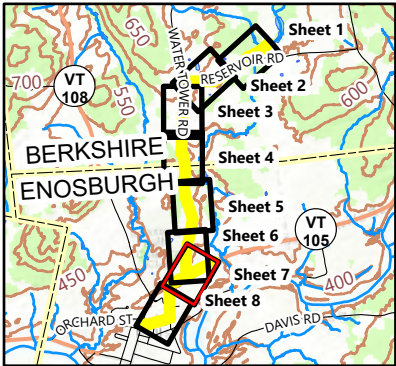
Village of Enosburg Falls Electric Light Department - Distribution Line Upgrades | Berkshire - Enosburg, Vermont



A VHB Environmental Scientist conducted a field reconnaissance under mostly bare ground conditions on February 13 and 14, 2024, June 27 and July 3rd, 2024.

Mapped wetlands and classifications were reviewed by DEC District Wetlands Ecologist on October 09, 2024 and have been confirmed. Approximate wetland boundaries are subject to review.

- |                                                                                                                      |                                                                                                                                |                                                                                                                           |                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
|  Study Area (VHB)                 |  Categorical Class II Buffers (VHB)         |  FEMA Flood Hazard Area (FEMA/VHB) (0) |  Uncommon Species (ANR) (0)                 |
|  Utility Corridor - 50 ft. (VHB)  |  Mapped Wetlands (VHB)                      |  Stream (ANR) (0)                      |  Rare, Threatened, Endangered Species (ANR) |
|  Sheet Index (VHB)                |  Wetland Continues Outside Study Area (VHB) |  Waterbody (ANR) (0)                   |  Natural Communities (ANR) (0)              |
|  Existing Utility Pole (VHB)      |  Found Culvert (VHB)                        |  VSWI Wetland (ANR) (3)                |  AE/VCE Confirmed Vernal Pools (0)          |
|  Remove Utility Pole (VHB)        |  Mapped Streams (VHB)                       |  River Corridor (ANR) (0)              |  NRCS Soil Boundary (VCGI)                  |
|  Replace Utility Pole (VHB)       |  Proposed River Corridor (VHB)              |  Private Well (ANR) (0)                |  VT State Boundary (VCGI)                   |
|  Existing Overhead Line (VHB/PLM) |  Proposed Riparian Buffer (VHB)             |  Public Water Source (ANR) (0)         |  County Boundary (VCGI)                     |
|  Voltage Conversion (VHB/PLM)     |  Tree Cover (SAL)                           |  Ground Water SPA (ANR) (0)            |  Town Boundary (VCGI)                       |
|                                                                                                                      |  Proposed Tree Clearing (VHB)               |  Surface Water SPA (ANR) (0)           |  Parcel Boundary (VCGI)                     |
|                                                                                                                      |                                                                                                                                |  Deer Wintering Areas (ANR) (0)        |                                                                                                                                  |





ER Reservoir Road Solar Distribution Line Upgrades – Natural Resources Map  
Natural Resources Map: Sheet 8 of 8

Village of Enosburg Falls Electric Light Department - Distribution Line Upgrades | Berkshire - Enosburg, Vermont



- Study Area (VHB)

Utility Corridor - 50 ft. (VHB)

Sheet Index (VHB)

Existing Utility Pole (VHB)

Replace Utility Pole (VHB)

Existing Overhead Line (VHB/PLM)

Categorical Class II Buffers (VHB)

Wetland Continues Outside Study Area (VHB)

Found Culvert (VHB)

Proposed River Corridor (VHB)

Proposed Riparian Buffer (VHB)

Tree Cover (SAL)

Proposed Tree Clearing (VHB)

FEMA Flood Hazard Area (FEMA/VHB) (0)

Stream (ANR) (0)

Waterbody (ANR) (0)

VSWI Wetland (ANR) (1)

River Corridor (ANR) (0)

Private Well (ANR) (0)

Public Water Source (ANR) (0)

Ground Water SPA (ANR) (0)

Surface Water SPA (ANR) (0)

Deer Wintering Areas (ANR) (0)

Uncommon Species (ANR) (0)

Rare, Threatened, Endangered Species (ANR)

Natural Communities (ANR) (0)

AE/VCE Confirmed Vernal Pools (0)

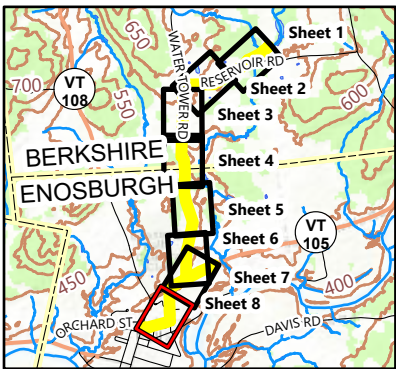
NRCS Soil Boundary (VCGI)

VT State Boundary (VCGI)

County Boundary (VCGI)

Town Boundary (VCGI)

Parcel Boundary (VCGI)



Sources: Background Imagery by VCGI (Collected in 2022), VCGI (Vermont Center for Geographic Information - Various Dates); ANR (Vermont Agency of Natural Resources - Various Dates), FEMA (Federal Emergency Management Agency - Various Dates), SAL - UVM Spatial Analysis Lab (2016), PLM (ELECTRIC POWER ENGINEERING - 2024); VTrans (Vermont Agency of Transportation - Various Dates), VHB (2023)





VHB

---

## ER Reservoir Road Solar Distribution Line Upgrade: Natural Resources Photographs

### PROJECT NUMBER

58952.07

### CLIENT

ER Reservoir Road Solar, LLC  
Enosburg, Vermont 05450

### LOCATION

Reservoir Road and Water Tower Road  
Berkshire and Enosburg, Vermont 05450





NO. 1 / 2.13.2024

#### DESCRIPTION

Representative view of existing overhead line heading west from reservoir access road in the northernmost portion of Study Area (See PNR Map Sheet 1). View is looking west.



NO. 2 / 2.13.2024

#### DESCRIPTION

Representative view of existing overhead line corridor above Reservoir Road in northeastern portion of Study Area. View is looking west, with Pole #9, 10 pictured (See PNR Map Sheet 2).





NO. 3 / 2.13.2024

#### DESCRIPTION

Representative view of surrounding landscape of Water Tower Road within the northern, central portion of the Study Area (See PNR Map Sheet 3).



NO. 4 / 2.13.2024

#### DESCRIPTION

Representative view of forested landscape on western side of Water Tower Road in the central portion of the Study Area (See PNR Map Sheet 3).





NO. 5 / 2.13.2024

#### DESCRIPTION

Representative view of overhead line corridor running above Water Tower Road, view is looking south from opposite side of road to Pole #6 (See PNR Map Sheet 3).



NO. 6 / 2.13.2024

#### DESCRIPTION

Representative view of surrounding landscape at Pole #8, 65 (See PNR Map Sheet 7), view is looking northeast.





NO. 7 / 2.13.2024

**DESCRIPTION**

Representative view of surrounding landscape at Pole #652S (See PNR Map Sheet 7), view is looking northeast.



NO. 8 / 2.13.2024

**DESCRIPTION**

Representative view of approximate Categorical Class II wetland feature associated with Trout Brook, approximately 150 feet northeast of Pole #10-3, 14 (See PNR Map Sheet 1). View is looking northwest.





NO. 9 / 2.13.2024

#### DESCRIPTION

Representative view of approximate wetland feature, just south of Pole #11 (See PNR Map Sheet 1). View is looking south.



NO. 10 / 2.13.2024

#### DESCRIPTION

Representative view of approximate wetland feature, south of Pole #9 (See PNR Map Sheet 1). View is looking southwest.





NO. 11 / 2.13.2024

#### DESCRIPTION

Representative view of approximate Categorical Class II wetland feature, roughly 500 feet east of Pole #39 (See PNR Map Sheet 2). View is looking south.



NO. 12 / 2.13.2024

#### DESCRIPTION

Representative view of approximate wetland feature just north of Poles #3S, 9S and #20, 39 (See PNR Map Sheet 2). View is looking northwest.





NO. 13 / 2.13.2024

#### DESCRIPTION

Representative view of approximate Categorical Class II wetland feature south of Pole #3S, 9S (See PNR Map Sheet 3). View is looking southwest.



NO. 14 / 2.13.2024

#### DESCRIPTION

Representative view of approximate Categorical Class III wetland feature north of Pole #29 (See PNR Map Sheet 3). View is looking northwest.





NO. 15 / 2.13.2024

#### DESCRIPTION

Representative view of categorical Class II wetland feature. View is looking west from underneath Pole # 26 (See PNR Map Sheet 4).



NO. 16 / 2.13.2024

#### DESCRIPTION

Representative view of approximate Categorical Class II wetland feature. View is looking east from beside Pole # 2, 24 (See PNR Sheet 4).





NO. 17 / 2.13.2023

#### DESCRIPTION

Representative view of approximate Categorical Class II wetland feature north of Pole #17, 16 (See PNR Map Sheet 5). View is looking north.



NO. 18 / 2.11.2024

#### DESCRIPTION

Representative view of approximate Categorical Class II wetland feature southeast of Pole #17, 16 (See PNR Map Sheet 5). View is looking east.





NO. 19 / 2.13.2024

#### DESCRIPTION

Representative view of approximate Categorical Class II wetland feature, on the opposite side of Water Tower Road from Pole #2, 13 (See PNR Map Sheet 5). View is looking west.



NO. 20 / 2.13.2024

#### DESCRIPTION

Representative view of approximate Categorical Class II wetland feature, north of Pole #11 (See PNR Map Sheet 5). View is looking west.





NO. 21 / 11.4.2022

**DESCRIPTION**

Representative view of  
Categorical Class II wetland  
feature, north of Pole #649 ½  
(See PNR Map Sheets 6 and 7),  
view is looking northeast.



NO. 22 / 5.2.2023

**DESCRIPTION**

Representative view of  
approximate Categorical Class II  
wetland feature, west of Pole  
#153, 648 (See PNR Map Sheet  
7). View is looking east.





NO. 23 5.5.2023

**DESCRIPTION**

Representative view of Class II wetland feature, between Poles #649 and #649 ½ (See PNR Map Sheets 6 and 7), view is looking west.



NO. 24 / 2.13.2024

**DESCRIPTION**

Representative view of approximate Categorical Class II wetland feature, across from Pole #24 (See PNR Map Sheet 6), view is looking northeast.





NO. 25 / 2.13.2024

#### DESCRIPTION

Representative view of perennial stream Trout Brook, running southwards through easternmost portion of Study Area just north of Reservoir Road. View is looking north.



NO. 26 / 2.13.2024

#### DESCRIPTION

Representative view of ditch feature, flowing south Water Tower Road. View is looking south, with Poles #27 and #28 included (See PNR Map Sheets 3 and 4).





NO. 27 / 2.13.2024

#### DESCRIPTION

Representative view of intermittent stream feature flowing through wetland feature 50 feet southeast of Pole #23 (See PNR Map Sheet 4). View is looking east.



NO. 28 / 2.13.2024

#### DESCRIPTION

Representative view of intermittent stream feature associated with wetland feature 350 feet southwest of Pole #23 (See PNR Map Sheet 4). View is looking west.





NO. 29 / 2.13.2024

#### DESCRIPTION

Representative view of intermittent stream feature, associated with wetland feature southeast of Pole #23 (See PNR Map Sheet 6), view is looking northwest.



NO. 30 / 2.13.2024

#### DESCRIPTION

Representative view of intermittent stream feature, associated with wetland feature northeast of Pole #6 (See PNR Map Sheet 6). View is looking east.





NO. 31 / 11.4.2022

#### DESCRIPTION

Representative view of ditch feature, associated with wetland feature north of Poles #648 and #648 ½. View is looking west.



NO. 32 / 2.13.2024

#### DESCRIPTION

Representative view of intermittent stream feature, associated with wetland feature north of Pole # 6 (See PNR Map Sheet 6). View is looking west.





NO. 33 / 2.13.2024

#### DESCRIPTION

Representative view of intermittent stream feature, flowing east through wetland feature west of Pole #26 (See PNR Map Sheet 4). View is looking east.