



Memorandum

To: ER Dunsmore Solar Project File

Date: May 1, 2025

Project #: 57818.02

From: Kaitlyn Maines, Environmental Scientist,
and Carla Fenner, PWS, CWS, Senior
Environmental Scientist

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

Introduction

At the request of ER Dunsmore, LLC ("Petitioner" or "Dunsmore"), VHB is providing this memorandum to document a preliminary natural resource assessment associated with upgrades to Green Mountain Power's ("GMP") existing distribution line in Saint Albans Town, Vermont ("Distribution Line Upgrades" or "Project"). The approximately 4.5-mile upgrade is required in order to interconnect the proposed solar generation facility located off Dunsmore Road in the Town of Saint Albans, Vermont ("Solar Project"). The proposed Project requires upgrades to the existing three-phase distribution line from the point of a new 3-phase line extension on the Solar Project site and along existing overhead line to the GMP Saint Albans City Substation. The upgrades to the line will be carried out by GMP as the owner of the distribution line. 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 to meet the reconductoring needs. The existing pole locations for GMP's infrastructure are depicted on the mapping in Attachment 1. GMP will also 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 will follow the existing roadside alignment.

VHB understands that if vegetation management is required within the existing corridor, it will be completed consistent with the regular line maintenance that GMP already performs. Construction equipment access will be from the existing roadway (and/or with low-ground pressure equipment in the unlikely event that off-road access is needed). No excavation or grading will be required with the exception of limited soil disturbance associated with individual pole removal and installation.

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

Methodology

VHB followed a similar desktop and database review, and mapping methodology for wetlands and surface waters as described in the Dunsmore NR Memo. Following a desktop review of publicly available data maintained by the Vermont Agency of Natural Resources ("ANR"), VHB environmental scientists conducted a field reconnaissance ("recon") on October 24 and 25, 2024, to document existing field conditions and to assess the presence/absence of potential wetland and surface waters and Project constraints from observable natural resources. The recon-level

mapping is not a detailed delineation and is intended for preliminary Project design and planning purposes. The focus of VHB's recon fieldwork was to approximate the extent of wetland and surface water resources to identify areas where line upgrade techniques would be recommended to avoid and minimize impacts or adhere to applicable best management practices ("BMPs"). The field work Study Area for the Distribution Line Upgrades extended approximately 75-feet laterally from the existing overhead line on both sides to account for potential resource buffers that may extend into the Distribution Line Upgrades area ("Study Area" shown in Attachment 1). The approximated wetland boundaries and potential buffers are shown in the Attachment 1 mapping. Final wetland boundaries and classification are ultimately subject to a detailed delineation and the Vermont Department of Environmental Conservation ("DEC") Wetland's Program review, if necessary.

Findings

The existing overhead line corridor passes through residential lawns, the edge of agricultural fields, roadside conditions, and unmaintained, naturalized areas that are still nonetheless exposed to a certain amount of disturbance from their location within the road corridor. VHB identified potential wetland and surface water resources and mapped approximate resource limits. The approximate wetland boundaries were given a 50-foot setback for design considerations. These resources and associated buffers within the distribution upgrade corridor 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 approximated boundaries of multiple potential wetland areas, some of which are likely Categorical Class II wetlands and/or likely provide the following Vermont Wetland Rule ("VWR") 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) (ANR 2023). Subject to a detailed delineation, several wetlands are likely Class III as they do not appear to meet any of the VWR functions and/or values at a significant level.

The wetlands in the Study Area occur in residential and agricultural areas and are generally Palustrine Emergent ("PEM") features, with some Palustrine Scrub-Shrub ("PSS") and Palustrine Forested ("PFO") (Cowardin et al.1979). PEM wetlands were observed in active agricultural areas and along or associated with road-side ditches. PSS and PFO wetlands were often observed in riparian areas along perennial and intermittent streams or in large continuous forested blocks, respectively. Hydrologic influences for all wetlands were derived from either groundwater discharge or surface water sources. Typical wetland vegetation included purple loosestrife (*Lythrum salicaria*), reed canary grass (*Phalaris arundinacea*), box elder (*Acer negundo*), willows (*Salix* spp.) and giant goldenrod (*Solidago gigantea*). Reed canary grass and purple loosestrife are non-native invasive species ("NNIS") that were dominant throughout many of the wetland features, especially PEM wetland types. Representative site photographs collected during VHB's field work are presented in Attachment 2. Many mapped wetlands extend beyond the Study Area and were not able to be fully mapped.

There are several existing poles that occur within both wetlands and 50-foot design setbacks in a roadside location. Project activities cannot entirely avoid potential Class II wetlands and buffers but would minimize impacts by not creating new pole locations or corridors within wetlands and setbacks, limiting ground disturbing activities to pole replacements where needed, with equipment access from an on-road location (and/or with low-ground pressure equipment in the unlikely event that off-road access is needed). Proposed structure replacements and removals within Categorical Class II wetlands or buffers are understood to 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"). If it is determined that the Project would require regulated impacts that do not qualify for an Allowed Use, then authorization under a VWP may be necessary. It is notable, and is also described in the Dunsmore NR Memo, the Petitioner will obtain coverage under an Individual VWP to authorize impacts to Class II wetlands and buffers associated with the Solar Project. If applicable, the Distribution Line Upgrades is anticipated to be reviewed together with the Solar Project as one single and complete project covered under the Individual VWP. Regardless of whether the Distribution Line Upgrades activities are Allowed Uses, or not, Petitioner will be required to implement and adhere to BMPs in accordance with the VWR or the issued VWP.

Likewise, if there are impacts to federal jurisdictional wetlands or waters from the placement of fill, the Distribution Line Upgrades are anticipated to be reviewed together with the Solar Project as a single/complete project under a federal Clean Water Act Section 404 Vermont General Permit by the US Army Corps of Engineers ("USACE"), as has been determined necessary.

Subject to a detailed line upgrade design, all wetland delineation, DEC review, and 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.

Surface Waters

VHB mapped several potential stream and ditched channels within the Study Area, likely consisting of ephemeral, intermittent, and perennial channels. Riparian buffers adjacent to streams and rivers, consistent with the ANR Riparian Buffer Guidance (ANR 2005), are designated for natural perennial and intermittent stream channels when applicable. As such, 50-foot setbacks were designated to all streams that may meet the criteria of a naturalized stream channel with intermittent or perennial flow. VHB's surface water mapping included a portion of Stevens Brook, a stream with a mapped ANR River Corridor and a Federal Emergency Management Agency ("FEMA")-mapped 100-year floodplain. The only Distribution Line Upgrade activity anticipated to be necessary within the ANR mapped River Corridor of Stevens Brook and FEMA-mapped floodway is reconductoring of the overhead wire that extends between existing poles. Reconductoring the line in this location, would take place from the existing roadway, existing access points off VT Route 38. Provided that the poles in the ANR River Corridor and FEMA Floodway are proposed to be replaced in-kind, and no new poles will be placed within the ANR River Corridor or FEMA Floodway, VHB understands a Flood Hazard Areas and River Corridors ("FHARC") permit will not be required for the Distribution 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.

The Project does not propose any stream crossings, impacts within stream channels, new infrastructure within River Corridors or Floodways or Flood Hazard Areas, and will minimize all work within riparian buffers and other stream

resource areas described herein to the extent feasible. There will be no new tree cutting in riparian buffers and vegetation management will be in accordance with GMP's existing vegetation management plan/procedure. If it is determined that impacts other than described herein are necessary upon completion of final design for the Line Distribution Upgrade, then coordination with the appropriate ANR department and/or USACE will be conducted and necessary permit(s) will be obtained.

Conclusion

From VHB's database and preliminary field review, the Distribution Line Upgrade will not impact any of the assessed Section 248 natural resource criteria except for wetlands, streams, and floodways. The Study Area includes wetlands and wetland buffers subject to the VWR, as well as wetlands and waters subject to Section 404 of the Clean Water Act jurisdiction and the alignment crosses through a floodway. As described above, the proposed Distribution Line Upgrades alone are not anticipated to 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, if there are jurisdictional activities associated with the Distribution Line Upgrades, they would be reviewed and, if necessary, included under the Solar Project's VWP and 404 authorizations as a single and complete project. Lastly, the Petitioner anticipates that no separate collateral permit authorizations (for example stormwater) will be required prior to conducting the distribution line upgrade work described above.

The Distribution Line Upgrade design plan, specifically the identification of new and replacement poles, is yet to be finalized by GMP. Based on the Petitioner's understanding that all activities will be limited to the existing GMP maintained utility corridor, it is VHB's opinion that the Distribution Line Upgrades will not require further natural resource assessments or result in new natural resources impacts, and that no additional environmental permits will be necessary for beyond what the Petitioner is already required to obtain for the Project. VHB will review the final Distribution Line Upgrade design and the Project will include the Distribution Line Upgrades impacts in the Project permit authorizations to the extent necessary. As a result, it is VHB's opinion that the Distribution Line Upgrade will not result in any undue adverse impacts to Section 248(b) criteria applicable to resources described herein.

Attachments

1. ER Dunsmore Solar Project Distribution Line Upgrades – Preliminary Natural Resources Map
2. ER Dunsmore Solar Project Distribution Line Upgrades – Representative Site Photographs

References

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

Agency of Natural Resources. 2005. *Guidance for Agency Act 250 and Section 248 Comments Regarding Riparian Buffers*. Effective December 9, 2005.

Cowardin, L.M., Carter, V., Golet, F.C., and E.T. LaRoe. 1979. *Classification of Wetlands and Deepwater Habitat of the United States*. U.S. Fish and Wildlife Service.

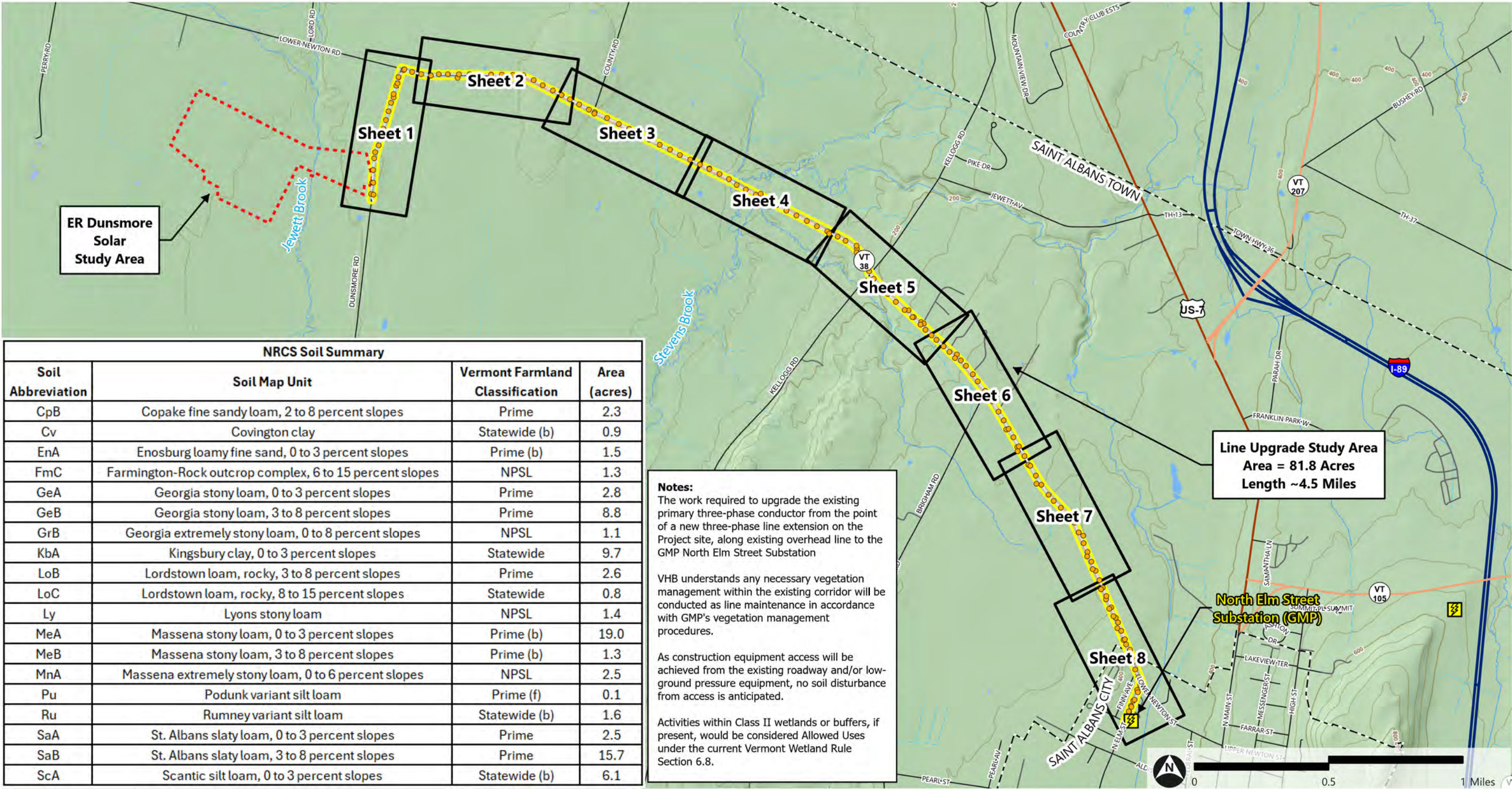
Attachment 1

Preliminary Natural Resource Index Map

ER Dunsmore Solar GMP Line Upgrades | St. Albans, Vermont



May 01, 2025



NRCS Soil Summary			
Soil Abbreviation	Soil Map Unit	Vermont Farmland Classification	Area (acres)
CpB	Copake fine sandy loam, 2 to 8 percent slopes	Prime	2.3
Cv	Covington clay	Statewide (b)	0.9
EnA	Enosburg loamy fine sand, 0 to 3 percent slopes	Prime (b)	1.5
FmC	Farmington-Rock outcrop complex, 6 to 15 percent slopes	NPSL	1.3
GeA	Georgia stony loam, 0 to 3 percent slopes	Prime	2.8
GeB	Georgia stony loam, 3 to 8 percent slopes	Prime	8.8
GrB	Georgia extremely stony loam, 0 to 8 percent slopes	NPSL	1.1
KbA	Kingsbury clay, 0 to 3 percent slopes	Statewide	9.7
LoB	Lordstown loam, rocky, 3 to 8 percent slopes	Prime	2.6
LoC	Lordstown loam, rocky, 8 to 15 percent slopes	Statewide	0.8
Ly	Lyons stony loam	NPSL	1.4
MeA	Massena stony loam, 0 to 3 percent slopes	Prime (b)	19.0
MeB	Massena stony loam, 3 to 8 percent slopes	Prime (b)	1.3
MnA	Massena extremely stony loam, 0 to 6 percent slopes	NPSL	2.5
Pu	Podunk variant silt loam	Prime (f)	0.1
Ru	Rumney variant silt loam	Statewide (b)	1.6
SaA	St. Albans slaty loam, 0 to 3 percent slopes	Prime	2.5
SaB	St. Albans slaty loam, 3 to 8 percent slopes	Prime	15.7
ScA	Scantic silt loam, 0 to 3 percent slopes	Statewide (b)	6.1

Notes:
The work required to upgrade the existing primary three-phase conductor from the point of a new three-phase line extension on the Project site, along existing overhead line to the GMP North Elm Street Substation

VHB understands any necessary vegetation management within the existing corridor will be conducted as line maintenance in accordance with GMP's vegetation management procedures.

As construction equipment access will be achieved from the existing roadway and/or low-ground pressure equipment, no soil disturbance from access is anticipated.

Activities within Class II wetlands or buffers, if present, would be considered Allowed Uses under the current Vermont Wetland Rule Section 6.8.

- Map Sheet Index (VHB)

Line Upgrade Study Area (VHB)

ER Dunsmore Solar Study Area (VHB)

Existing Overhead Utility Pole (GMP)*
- Existing Overhead Utility Line (GMP)*

Electric Substations (VCGI)

Town Boundary (VCGI)

VT State Boundary (VCGI)

County Boundary (VCGI)
- Waterbody (ANR)

VSWI Wetland (ANR)

Stream (ANR)

Interstate (VTrans)

US Highway (VTrans)

State Highway (VTrans)

Town Road (VTrans)

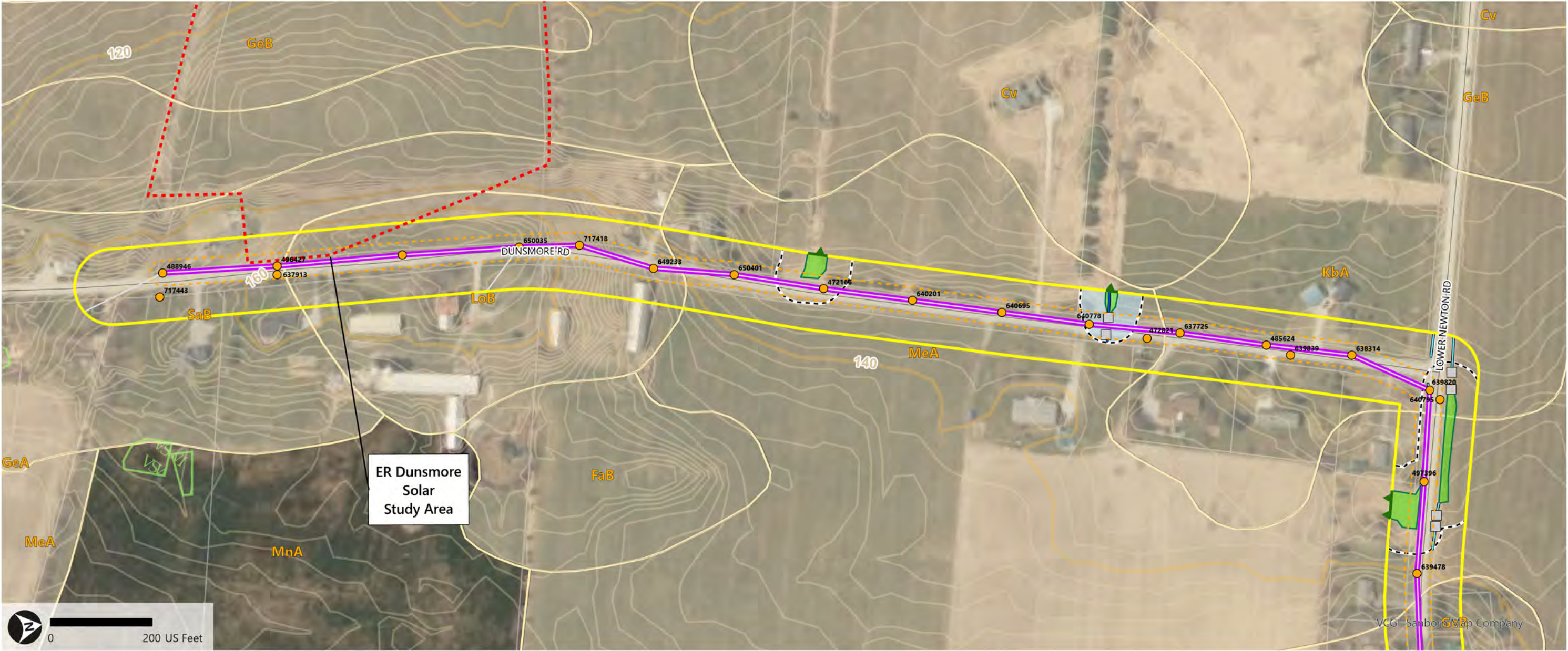
*Feature clipped to Line Upgrade Study Area

Preliminary Natural Resource Map - Sheet 1 of 8

ER Dunsmore Solar GMP Line Upgrades | St. Albans, Vermont



May 01, 2025



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| <ul style="list-style-type: none">Line Upgrade Study Area (VHB) (1)ER Dunsmore Solar Study Area (VHB) (1)Preliminary Wetland (Approx.) (VHB) (4)50-ft Design Setback (Approx.) (VHB) (1)Riparian Buffer (Approx.) (VHB) (1)Mapped Waters (Approx.) (VHB) (2)Potential Jurisdictional Ditch (Approx.) (VHB) (4)Preliminary Wetland Extends (Approx.) (VHB) (3)100 Year Flood (Zone A) (VHB/FEMA)** (0)50-ft Utility Line Corridor (VHB) (1) | <ul style="list-style-type: none">Proposed Reconductoring (VHB) (1)Existing Overhead Utility Line (GMP)* (2)Existing Overhead Utility Pole (GMP)* (22)Electric Substations (VCGI) (0)Stream (ANR) (0)Waterbody (ANR) (0)VSWI Wetland (ANR) (3)River Corridor (ANR) (0)Found Culvert (VHB) (6)Public Water Sources (ANR) (0) | <ul style="list-style-type: none">GW Protection Area (ANR) (0)SW Protection Area (ANR) (0)Uncommon Species (ANR) (0)Rare, Threatened and Endangered Species (ANR) (0)Significant Natural Communities (ANR) (0)Deer Wintering Areas (ANR) (0)AE/VCE Confirmed Vernal Pools (0)NRCS Soil Boundary (VCGI) (13)Prime/Statewide Agricultural Soil Unit (VCGI) (10) | <ul style="list-style-type: none">Town Boundary (VCGI) (1)Parcel Boundary (VCGI) (21)Interstate (VTrans) (0)US Highway (VTrans) (0)State Highway (VTrans) (0)Town Road (VTrans) (3)20 ft. Contour (VCGI)1 ft. Contour (VCGI) |
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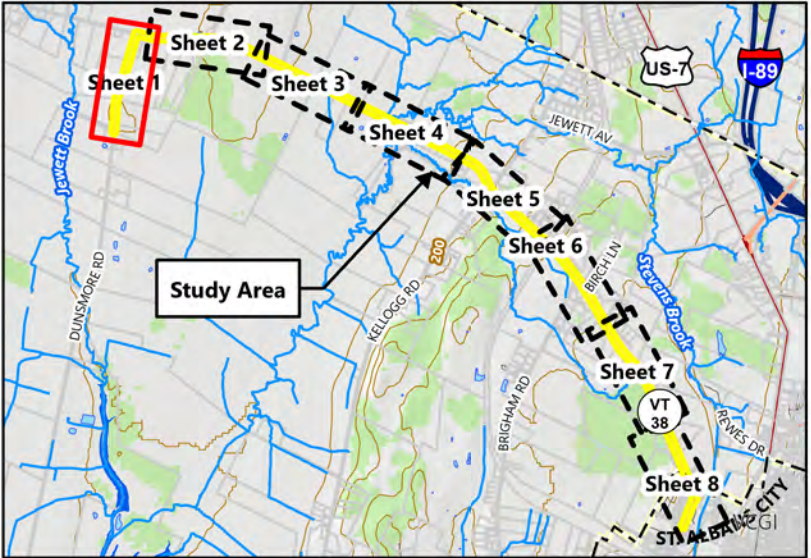
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Sources: Background Imagery by VCGI (Collected in 2023); VCGI (Vermont Center for Geographic Information - Various Dates); ANR (Vermont Agency of Natural Resources - Various Dates); FWD (Vermont Fish and Wildlife Department - Various Dates); VHB (Vannase Hangen Brustlin - 2021-2024)

*Feature clipped to Line Upgrade Study Area

**VHB digitized FEMA FIRM 5002190005A and 5002190010A, effective June 15, 1988

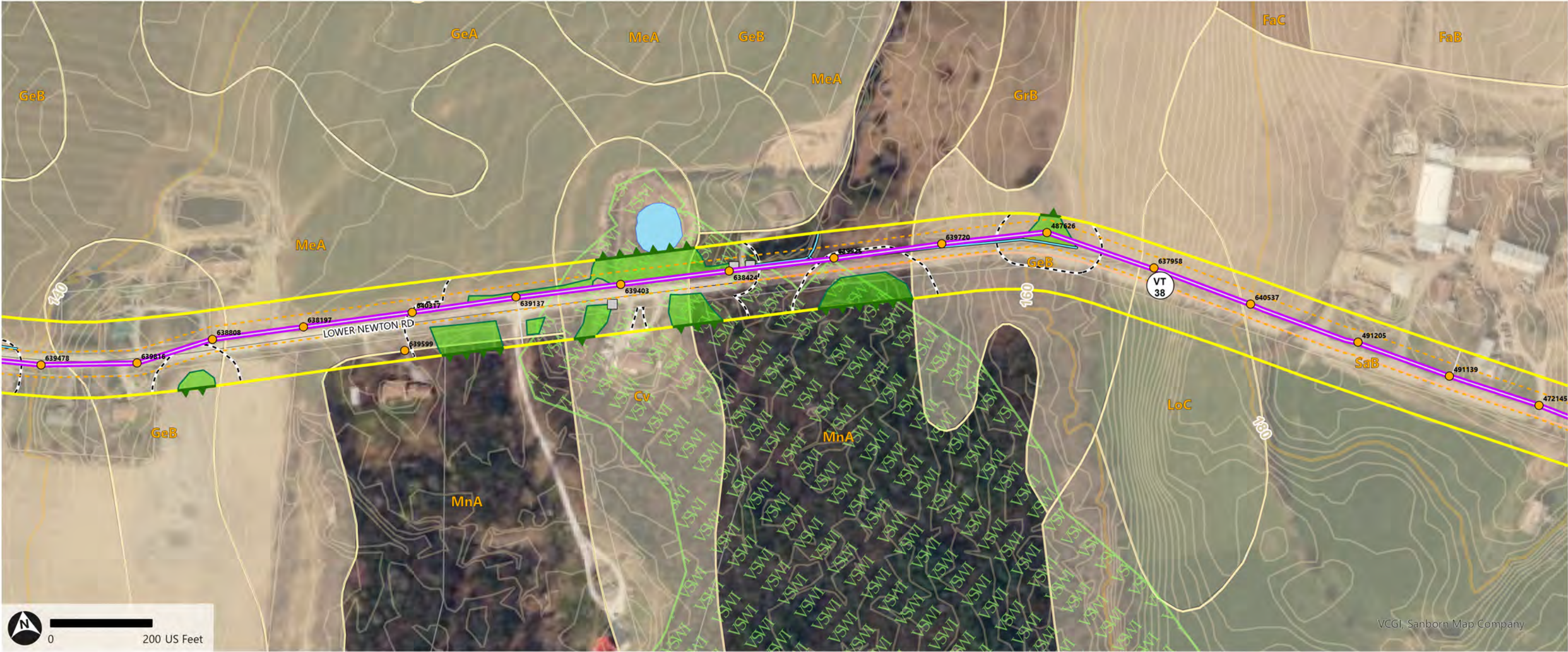


Preliminary Natural Resource Map - Sheet 2 of 8

ER Dunsmore Solar GMP Line Upgrades | St. Albans, Vermont



May 01, 2025



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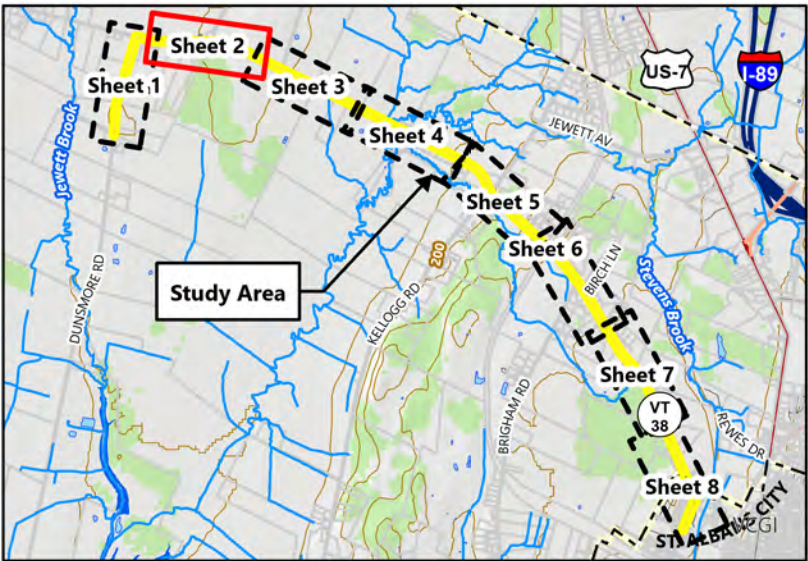
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*Feature clipped to Line Upgrade Study Area

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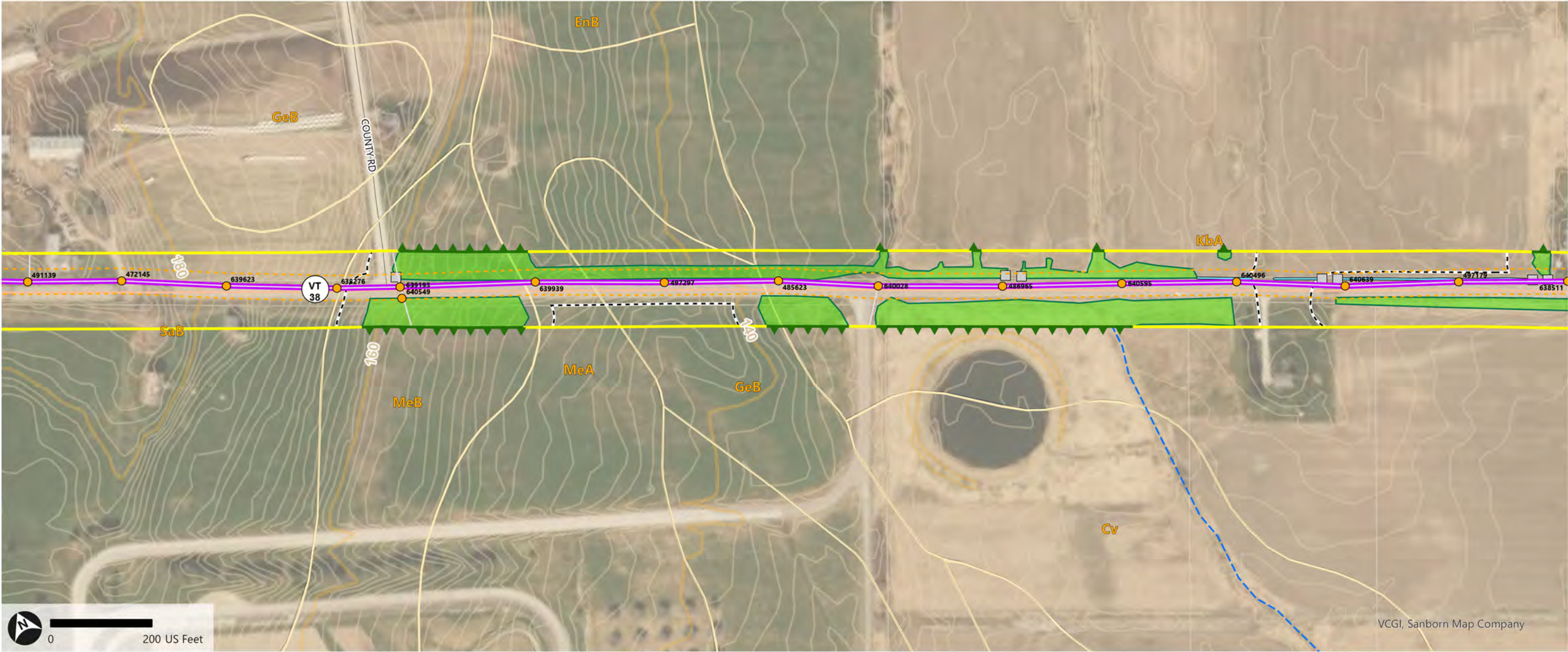
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Preliminary Natural Resource Map - Sheet 3 of 8

ER Dunsmore Solar GMP Line Upgrades | St. Albans, Vermont



May 01, 2025



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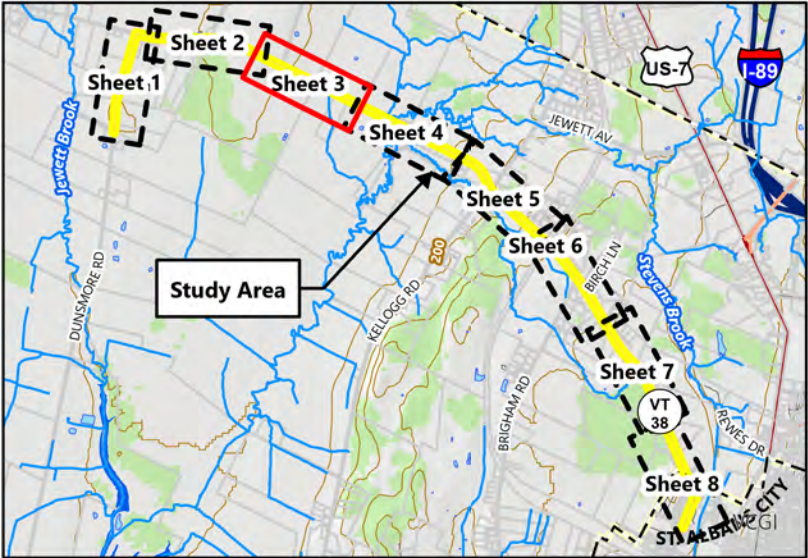
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*Feature clipped to Line Upgrade Study Area

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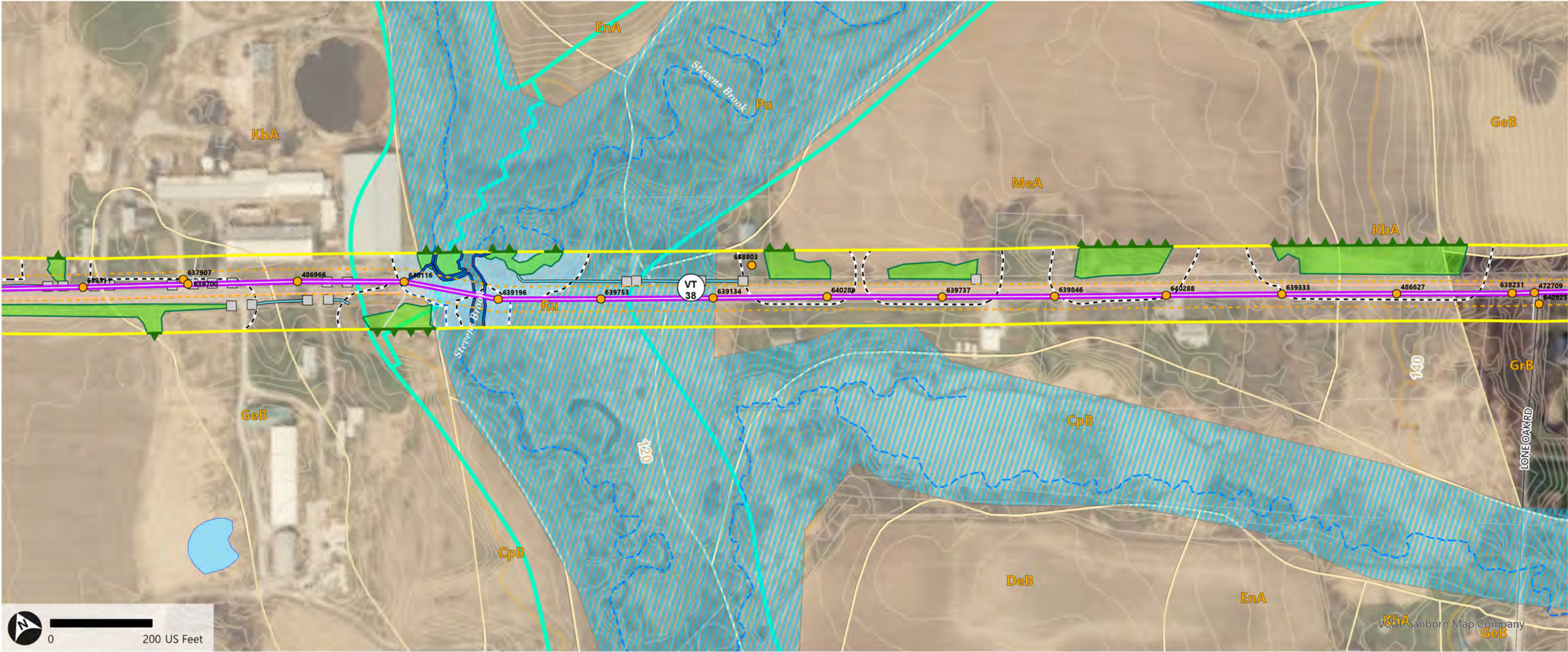
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Preliminary Natural Resource Map - Sheet 4 of 8

ER Dunsmore Solar GMP Line Upgrades | St. Albans, Vermont



May 01, 2025



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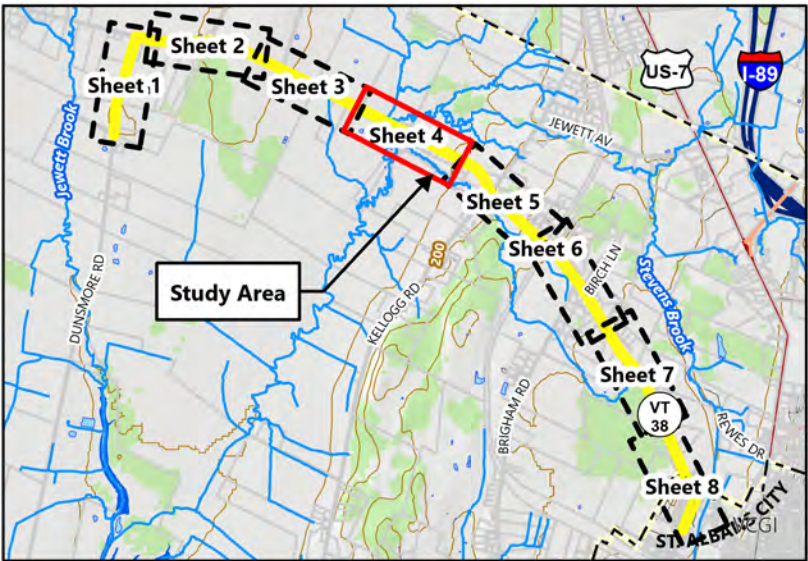
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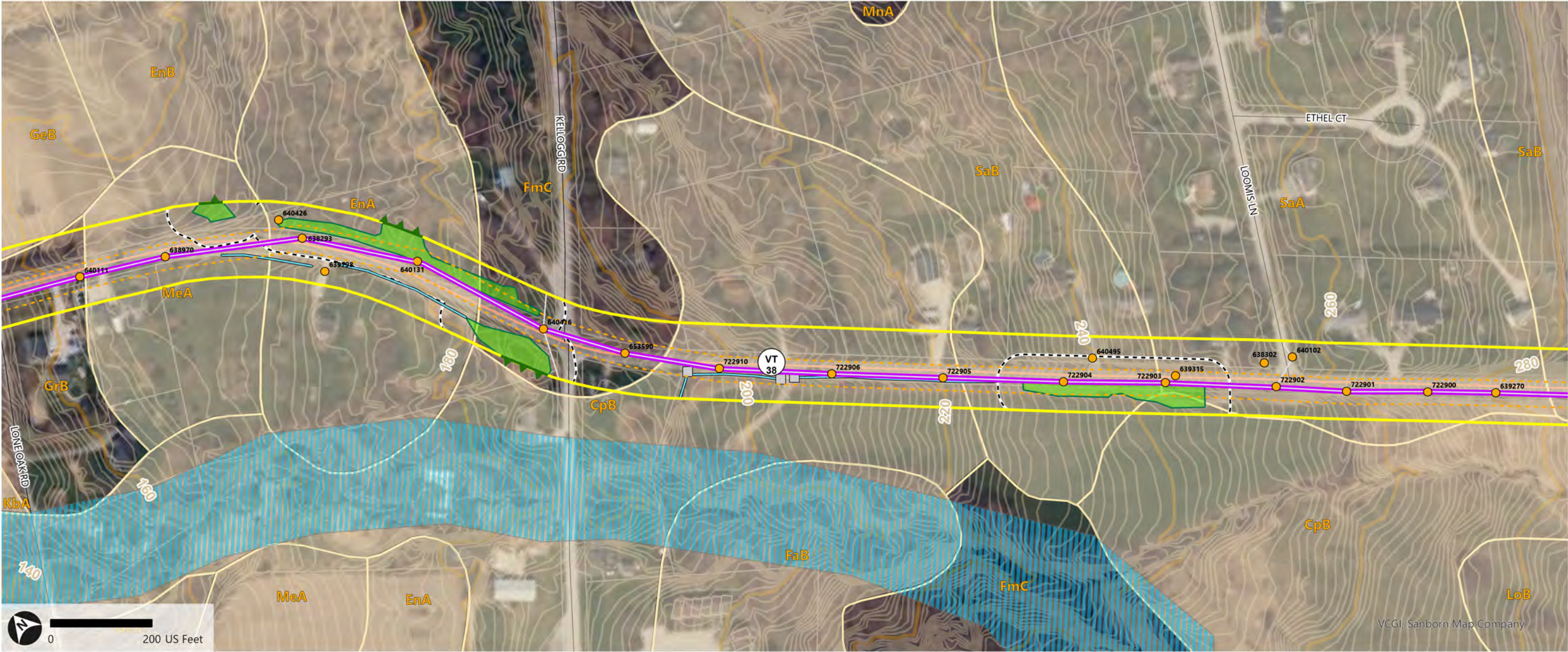


Preliminary Natural Resource Map - Sheet 5 of 8

ER Dunsmore Solar GMP Line Upgrades | St. Albans, Vermont



May 01, 2025



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| <ul style="list-style-type: none">Line Upgrade Study Area (VHB) (1)ER Dunsmore Solar Study Area (VHB) (0)Preliminary Wetland (Approx.) (VHB) (4)50-ft Design Setback (Approx.) (VHB) (1)Riparian Buffer (Approx.) (VHB) (0)Mapped Waters (Approx.) (VHB) (0)Potential Jurisdictional Ditch (Approx.) (VHB) (3)Preliminary Wetland Extends (Approx.) (VHB) (3)100 Year Flood (Zone A) (VHB/FEMA)** (1)50-ft Utility Line Corridor (VHB) (1) | <ul style="list-style-type: none">Proposed Reconductoring (VHB) (1)Existing Overhead Utility Line (GMP)* (3)Existing Overhead Utility Pole (GMP)* (22)Electric Substations (VCGI) (0)Stream (ANR) (0)Waterbody (ANR) (0)VSWI Wetland (ANR) (0)River Corridor (ANR) (0)Found Culvert (VHB) (3)Public Water Sources (ANR) (0) | <ul style="list-style-type: none">GW Protection Area (ANR) (0)SW Protection Area (ANR) (0)Uncommon Species (ANR) (0)Rare, Threatened and Endangered Species (ANR) (0)Significant Natural Communities (ANR) (0)Deer Wintering Areas (ANR) (0)AE/VCE Confirmed Vernal Pools (0)NRCS Soil Boundary (VCGI) (19)Prime/Statewide Agricultural Soil Unit (VCGI) (6) | <ul style="list-style-type: none">Town Boundary (VCGI) (1)Parcel Boundary (VCGI) (46)Interstate (VTrans) (0)US Highway (VTrans) (0)State Highway (VTrans) (4)Town Road (VTrans) (6)20 ft. Contour (VCGI)1 ft. Contour (VCGI) |
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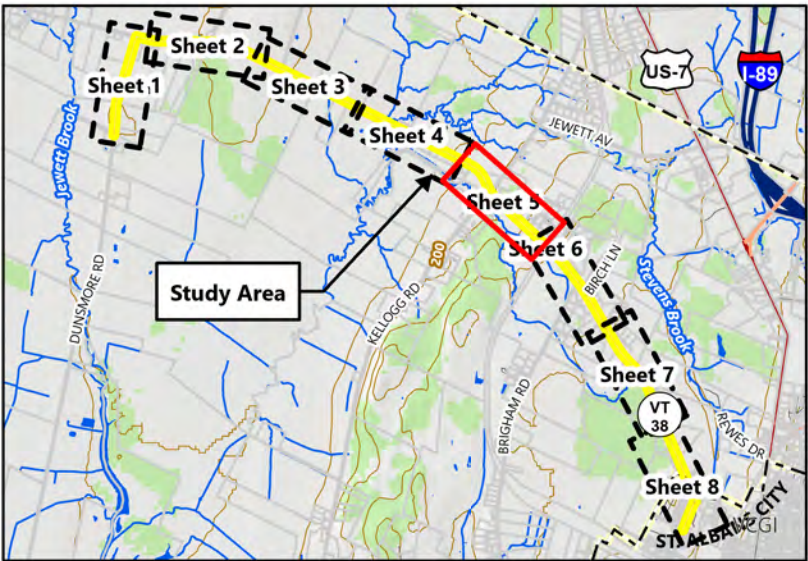
(#) Indicates feature count in current map extent

Wetlands and Waters investigations were performed by VHB (B. Galligan, W. Durkin) on October 24 and 25, 2024 and should be considered preliminary for planning purposes. Mapped wetland/waters boundaries and classifications subject to detailed delineation and review by DEC District Wetlands Ecologist

Sources: Background Imagery by VCGI (Collected in 2023); VCGI (Vermont Center for Geographic Information - Various Dates); ANR (Vermont Agency of Natural Resources - Various Dates); FWD (Vermont Fish and Wildlife Department - Various Dates); VHB (Vanasse Hangen Brustlin - 2021-2024)

*Feature clipped to Line Upgrade Study Area

**VHB digitized FEMA FIRM 5002190005A and 5002190010A, effective June 15, 1988



Preliminary Natural Resource Map - Sheet 6 of 8

ER Dunsmore Solar GMP Line Upgrades | St. Albans, Vermont



May 01, 2025



- | | | | |
|--|--|---|-----------------------------|
| Line Upgrade Study Area (VHB) (1) | Proposed Reconductoring (VHB) (1) | GW Protection Area (ANR) (0) | Town Boundary (VCGI) (1) |
| ER Dunsmore Solar Study Area (VHB) (0) | Existing Overhead Utility Line (GMP)* (3) | SW Protection Area (ANR) (0) | Parcel Boundary (VCGI) (59) |
| Preliminary Wetland (Approx.) (VHB) (4) | Existing Overhead Utility Pole (GMP)* (21) | Uncommon Species (ANR) (0) | Interstate (VTrans) (0) |
| 50-ft Design Setback (Approx.) (VHB) (1) | Electric Substations (VCGI) (0) | Rare, Threatened and Endangered Species (ANR) (0) | US Highway (VTrans) (0) |
| Riparian Buffer (Approx.) (VHB) (0) | Stream (ANR) (0) | Significant Natural Communities (ANR) (0) | State Highway (VTrans) (5) |
| Mapped Waters (Approx.) (VHB) (0) | Waterbody (ANR) (0) | Deer Wintering Areas (ANR) (0) | Town Road (VTrans) (6) |
| Potential Jurisdictional Ditch (Approx.) (VHB) (1) | VSWI Wetland (ANR) (0) | AE/VCE Confirmed Vernal Pools (0) | 20 ft. Contour (VCGI) |
| Preliminary Wetland Extends (Approx.) (VHB) (3) | River Corridor (ANR) (0) | NRCS Soil Boundary (VCGI) (12) | 1 ft. Contour (VCGI) |
| 100 Year Flood (Zone A) (VHB/FEMA)** (0) | Found Culvert (VHB) (5) | Prime/Statewide Agricultural Soil Unit (VCGI) (5) | |
| 50-ft Utility Line Corridor (VHB) (1) | Public Water Sources (ANR) (0) | | |

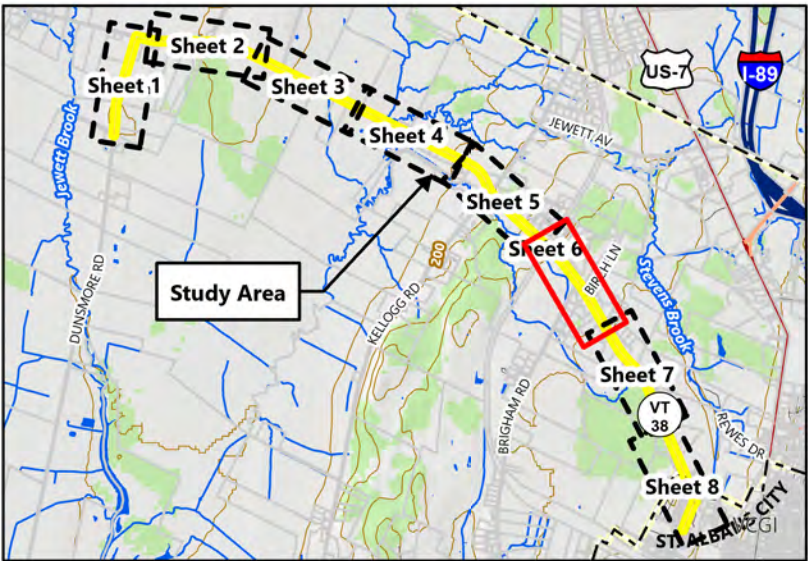
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*Feature clipped to Line Upgrade Study Area

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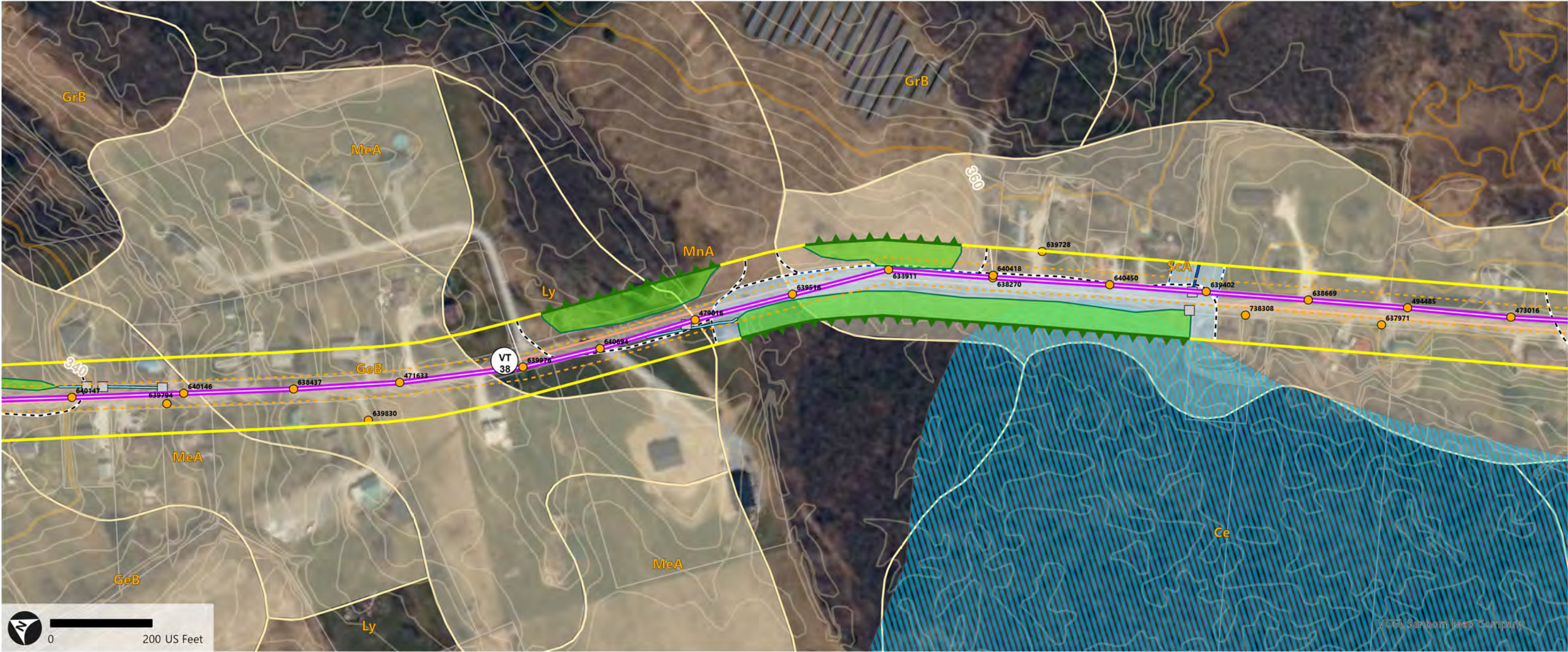


Preliminary Natural Resource Map - Sheet 7 of 8

ER Dunsmore Solar GMP Line Upgrades | St. Albans, Vermont



May 01, 2025



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|---|--|--|---|
| <ul style="list-style-type: none">Line Upgrade Study Area (VHB) (1)ER Dunsmore Solar Study Area (VHB) (0)Preliminary Wetland (Approx.) (VHB) (4)50-ft Design Setback (Approx.) (VHB) (1)Riparian Buffer (Approx.) (VHB) (1)Mapped Waters (Approx.) (VHB) (1)Potential Jurisdictional Ditch (Approx.) (VHB) (2)Preliminary Wetland Extends (Approx.) (VHB) (3)100 Year Flood (Zone A) (VHB/FEMA)** (1)50-ft Utility Line Corridor (VHB) (1) | <ul style="list-style-type: none">Proposed Reconductoring (VHB) (1)Existing Overhead Utility Line (GMP)* (2)Existing Overhead Utility Pole (GMP)* (21)Electric Substations (VCGI) (0)Stream (ANR) (0)Waterbody (ANR) (0)VSWI Wetland (ANR) (0)River Corridor (ANR) (0)Found Culvert (VHB) (6)Public Water Sources (ANR) (0) | <ul style="list-style-type: none">GW Protection Area (ANR) (0)SW Protection Area (ANR) (0)Uncommon Species (ANR) (0)Rare, Threatened and Endangered Species (ANR) (0)Significant Natural Communities (ANR) (0)Deer Wintering Areas (ANR) (0)AE/VCE Confirmed Vernal Pools (0)NRCS Soil Boundary (VCGI) (12)Prime/Statewide Agricultural Soil Unit (VCGI) (6) | <ul style="list-style-type: none">Town Boundary (VCGI) (1)Parcel Boundary (VCGI) (39)Interstate (VTrans) (0)US Highway (VTrans) (0)State Highway (VTrans) (1)Town Road (VTrans) (0)20 ft. Contour (VCGI)1 ft. Contour (VCGI) |
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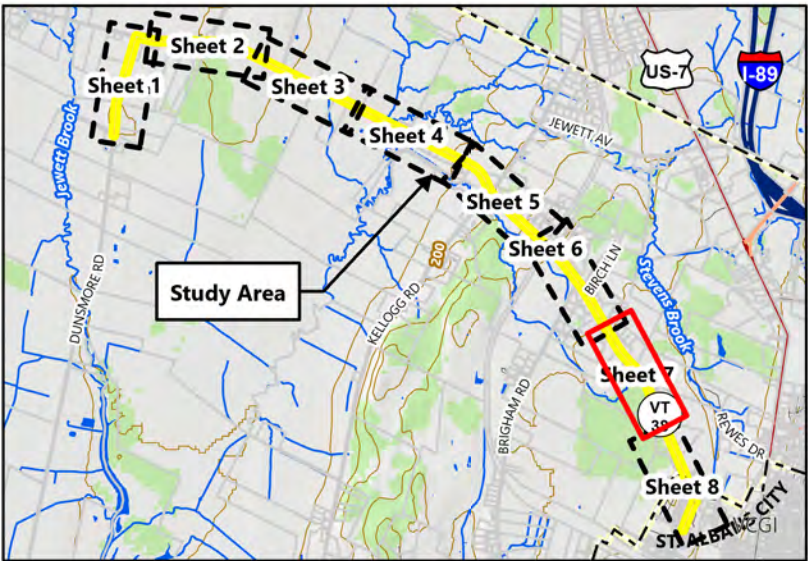
(#) Indicates feature count in current map extent

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*Feature clipped to Line Upgrade Study Area

**VHB digitized FEMA FIRM 5002190005A and 5002190010A, effective June 15, 1988



Preliminary Natural Resource Map - Sheet 8 of 8

ER Dunsmore Solar GMP Line Upgrades | St. Albans, Vermont



May 01, 2025



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|---|--|---|--|
| <ul style="list-style-type: none">Line Upgrade Study Area (VHB) (1)ER Dunsmore Solar Study Area (VHB) (0)Preliminary Wetland (Approx.) (VHB) (1)50-ft Design Setback (Approx.) (VHB) (1)Riparian Buffer (Approx.) (VHB) (0)Mapped Waters (Approx.) (VHB) (0)Potential Jurisdictional Ditch (Approx.) (VHB) (0)Preliminary Wetland Extends (Approx.) (VHB) (1)100 Year Flood (Zone A) (VHB/FEMA)** (1)50-ft Utility Line Corridor (VHB) (1) | <ul style="list-style-type: none">Proposed Reconductoring (VHB) (1)Existing Overhead Utility Line (GMP)* (5)Existing Overhead Utility Pole (GMP)* (38)Electric Substations (VCGI) (1)Stream (ANR) (1)Waterbody (ANR) (0)VSWI Wetland (ANR) (1)River Corridor (ANR) (1)Found Culvert (VHB) (0)Public Water Sources (ANR) (0) | <ul style="list-style-type: none">GW Protection Area (ANR) (0)SW Protection Area (ANR) (0)Uncommon Species (ANR) (0)Rare, Threatened and Endangered Species (ANR) (0)Significant Natural Communities (ANR) (0)Deer Wintering Areas (ANR) (0)AE/VCE Confirmed Vernal Pools (0)NRCS Soil Boundary (VCGI) (8)Prime/Statewide Agricultural Soil Unit (VCGI) (4) | <ul style="list-style-type: none">Town Boundary (VCGI) (2)Parcel Boundary (VCGI) (91)Interstate (VTrans) (0)US Highway (VTrans) (0)State Highway (VTrans) (1)Town Road (VTrans) (18)20 ft. Contour (VCGI)1 ft. Contour (VCGI) |
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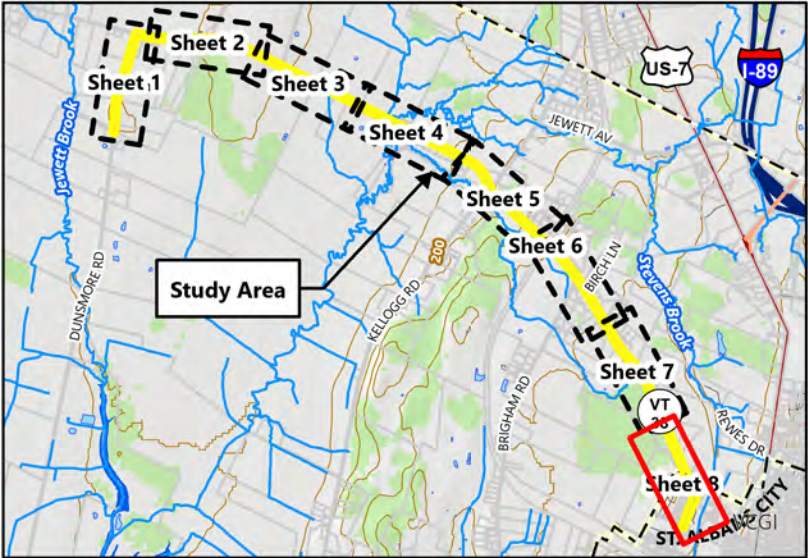
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**VHB digitized FEMA FIRM 5002190005A and 5002190010A, effective June 15, 1988



Path: \\vhb.com\gis\proj\SBurlington\58952.01 Encore Dunsmore Stream\Project\NR_Processing\NR_Processing.aprx (User: knaines, Date: 5/1/2025)

Attachment 2



© VHB

Dunsmore Solar Distribution Line Upgrades – Representative Site Photographs

PROJECT NUMBER

57818.02

CLIENT

Encore Renewable Energy

50 Lakeside Ave

Burlington, VT 05401

LOCATION

North Elm Street, Lower Newtown Road, and Dunsmore Road

Saint Albans, Vermont 05478



NO. 1 / 10.25.2024

DESCRIPTION

Representative view of residential areas along North Elm Street. View is looking south.



NO. 2 / 10.25.2024

DESCRIPTION

Representative view of residential areas along North Elm Street. View is looking north, towards the intersection with Lower Newton Road.



NO. 3 / 10.25.2024

DESCRIPTION

Representative view of residential and commercial areas along Lower Newton Road in the eastern portion of the Study Area. View is looking southeast.



NO. 4 / 10.25.2024

DESCRIPTION

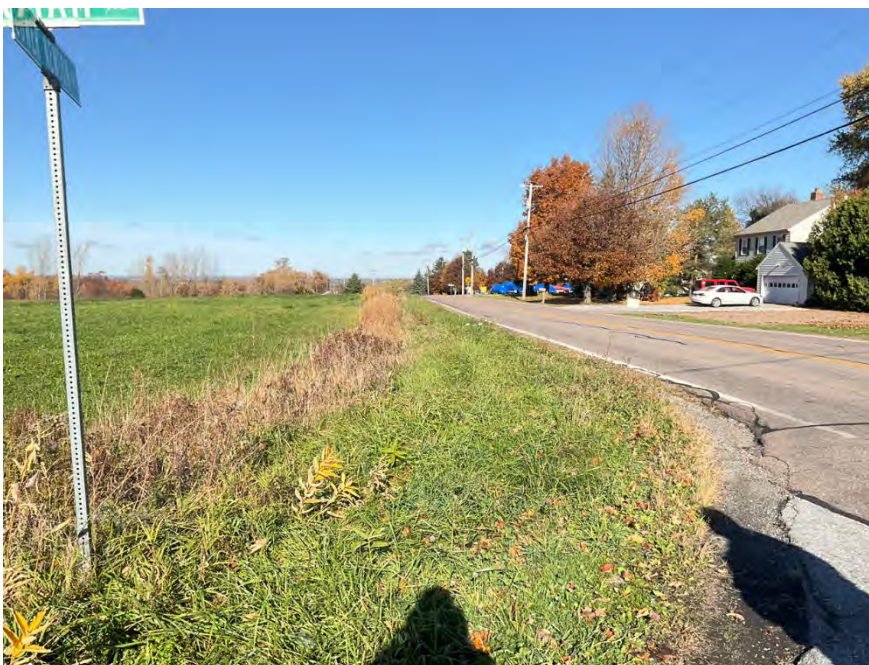
Representative view of an approximate mapped potential Palustrine Forested (PFO) wetland along Lower Newton Road. View is looking northwest.



NO. 5 / 10.25.2024

DESCRIPTION

Representative view of an approximate mapped potential Palustrine Emergent (PEM) wetland in a residential area along Lower Newton Road. View is looking southeast.



NO. 6 / 10.25.2024

DESCRIPTION

Representative view of residential and agricultural areas along Lower Newton Road. View is looking northwest.



NO. 7 / 10.24.2024

DESCRIPTION

Representative view of an approximate mapped potential PEM wetland along Lower Newton Road. View is looking west.



NO. 8 / 10.24.2024

DESCRIPTION

Representative view of Stevens Brook, a perennial stream, along Lower Newton Road. View is looking south.



NO. 9 / 10.24.2024

DESCRIPTION

Representative view of an approximate mapped potential Palustrine Scrub-Shrub (PSS) and PEM wetland along Stevens Brook on Lower Newton Road. View is looking east.



NO. 10 / 10.24.2024

DESCRIPTION

Representative view of an approximate mapped potential PEM wetland in an active agricultural area along Lower Newton Road. View is looking southeast.



NO. 11 / 10.24.2024

DESCRIPTION

Representative view of an approximate mapped potential PEM wetland in an active agricultural area along Lower Newton Road. View is looking west.



NO. 12 / 10.24.2024

DESCRIPTION

Representative view of an approximate mapped potential PFO wetland along Lower Newton Road. View is looking south.



NO. 13 / 10.24.2024

DESCRIPTION

Representative view of an approximate mapped potential jurisdictional ditch along Lower Newton Road. View is looking west.



NO. 14 / 10.24.2024

DESCRIPTION

Representative view of an approximate mapped potential PEM wetland and potential jurisdictional ditch along Lower Newton Road at the intersection of Dunsmore Road. View is looking west.



NO. 15 / 10.24.2024

DESCRIPTION

Representative view of residential and agricultural areas along Dunsmore Road. View is looking north.