



To: VELCO Franklin County Line Upgrade Project

Date: February 2, 2024

Memorandum

Project #: 58789.00

From: Ryan Scott, CPESC, PWS, Senior Ecologist      Re: Franklin County Line Upgrade Project (23-3734-PET)  
Section 248 Criteria Review of Revised Structure Alignment

At the request of VT Transco, LLC ("VELCO"), VHB conducted natural resource assessments and authored *VELCO Franklin County Line Upgrade Project – Natural Resources Report* ("Report"), dated October 20, 2023, in support of the proposed Franklin County Line Upgrade Project ("Project" or "FCLU"). The Report was submitted as Exhibit Petitioner AM-2 in VELCO's Section 248 petition seeking a Certificate of Public Good (23-3734-PET) for the Project, filed on October 26, 2023. Since the date of the filing and consistent with Projects of this scope and magnitude, Project engineers issued a line design revision using newly available geotechnical information. Revisions consist of a structure removal, structure shifts, and changes in structure type due to soil geotechnical data. The Project team followed the same approach of avoidance, minimization, and mitigation when siting structures, access road, and workpads. VHB reviewed the revised line design, specifically the structure location change information, provided by VELCO, dated December 13, 2023, against structure location information filed with the Section 248 Petition and Section 248 related natural resources. VHB evaluated revised structure locations against the following, using desktop information and field data collected by VHB:

- › Floodways (10 V.S.A. § 6086(a)(1)(D))
- › Streams (10 V.S.A. § 6086(a)(1)(E))
- › Shorelines (10 V.S.A. § 6086(a)(1)(F))
- › Wetlands (10 V.S.A. § 6086(a)(1)(G))
- › Rare and Irreplaceable Natural Areas ("RINA") (10 V.S.A. § 6086(a)(8))
- › Necessary Wildlife Habitat and Rare, Threatened, and Endangered Species (10 V.S.A. § 6086 (a)(8)(A))
- › Primary Agricultural Soils (10 V.S.A. § 6001(15))

VHB did not review revised structure locations for the following: Outstanding Resource Waters, Greenhouse Gas Impacts, Water and Air Pollution, Headwaters, Waste Disposal, Water Conservation, Water Supply, and Soil Erosion, as these criteria are reviewed Project-wide and not related to the location of individual structures or structure shifts, or resources associated with these criteria were not present within the Study Area.

## Methodology

VHB conducted a spatial analysis using Geographic Information System ("GIS") software to identify structures that shifted 5 feet or more from the as-filed design. Though VELCO considers structures that shift less than ten feet non-substantial, VHB reviewed the latter (between 5 and 10 feet) out of an abundance of caution and to ensure the findings of the Report are still accurate. Structures that shifted less than five feet were not reviewed, nor were structure changes associated with height, structure type, or addition/removal of guy-wires and associated anchors. In addition, VHB reviewed the removal of Structure 262.

After identifying structures that shifted more than ten feet and between 5 and 10 feet, VHB reviewed the as-filed structure locations against revised structure locations to evaluate new or potentially different impacts associated with Section 248 criteria. VHB manually reviewed as-filed and revised structure locations in the Natural Resource Mapping and Primary Agricultural Soil Mapping submitted with the October 26, 2023, filing and through interactive GIS mapping built specifically for this detailed structure, work activity and associated natural resource implication review.

## Results

The analysis described above identified one removed structure, 6 structures that shifted more than 10 feet, and 16 structures that shifted between 5 and 10 feet (see Attachment 1, Revised Structure Natural Resource Map, which replaces the Natural Resources Map Series in the Report filed in October as Exhibit Petitioner AM-2, and also shows both the original and adjusted structure locations). Structures and associated changes to Section 248 criteria impacts are detailed in Attachment 2, Revised Structure – Section 248 Table. Revised structure locations resulting in different impacts than the as-filed locations are further described below. Structure shifts resulting in no change to the Section 248 natural resource criterion or associated change to impacts are not discussed further.

## Discussion

### Structure Location Revisions

The removal of Structure 262 results in fewer impacts to Primary Agricultural Soils (“PAS”), with no change to impacts associated with other criteria.

Related to structures shifting greater than ten feet, VHB observed no changes related to Section 248 findings, and no increase of natural resource impacts resulting from structure siting revisions. Revised locations of Structures 210Y and 264 are within the same resource as the as-filed structure locations but are sited to reduce impacts. The Project shifted Structure 210Y to reduce the number of individual rare, threatened, or endangered plant species requiring a takings permit and shifted Structure 264 to move the structure further away from the Mill River. While the revised location of Structure 210Y will still impact plant species as part of the structure installation work, and the revised location of Structure 264 is still within the River Corridor, the shifts represent benefits to the respective resources and furthers VELCO’s practice to minimize impacts associated with the Project.

The revised locations of Structures 261 and 387 are located in the same resources as the as-filed structure locations, resulting in no increases to resource impacts or changes to Report findings for either structure or their work areas.

Structure 360 is located outside of natural resources in both the as-filed and the revised line design structure location, resulting in no change to resource impacts or Report findings.

The 16 structures identified as shifting between 5 and 10 feet from their as-filed locations result in no change to natural resource impacts or the findings of the report related to Section 248 criteria. Further, and similar to the findings of structure moving between 5 and 10 feet, revisions shifting structures less than 5 feet are not expected to change findings of impact as the method of installing a new structure disturbs an equivalent area which was reviewed in the previously submitted filing.

As the revised structure locations will not result in additional or new impacts to natural resources reviewed under Section 248, the findings of VHB's *VELCO Franklin County Line Upgrade Project – Natural Resources Report*, dated October 20, 2023, are unchanged.

### Access Road and Workpad Revision

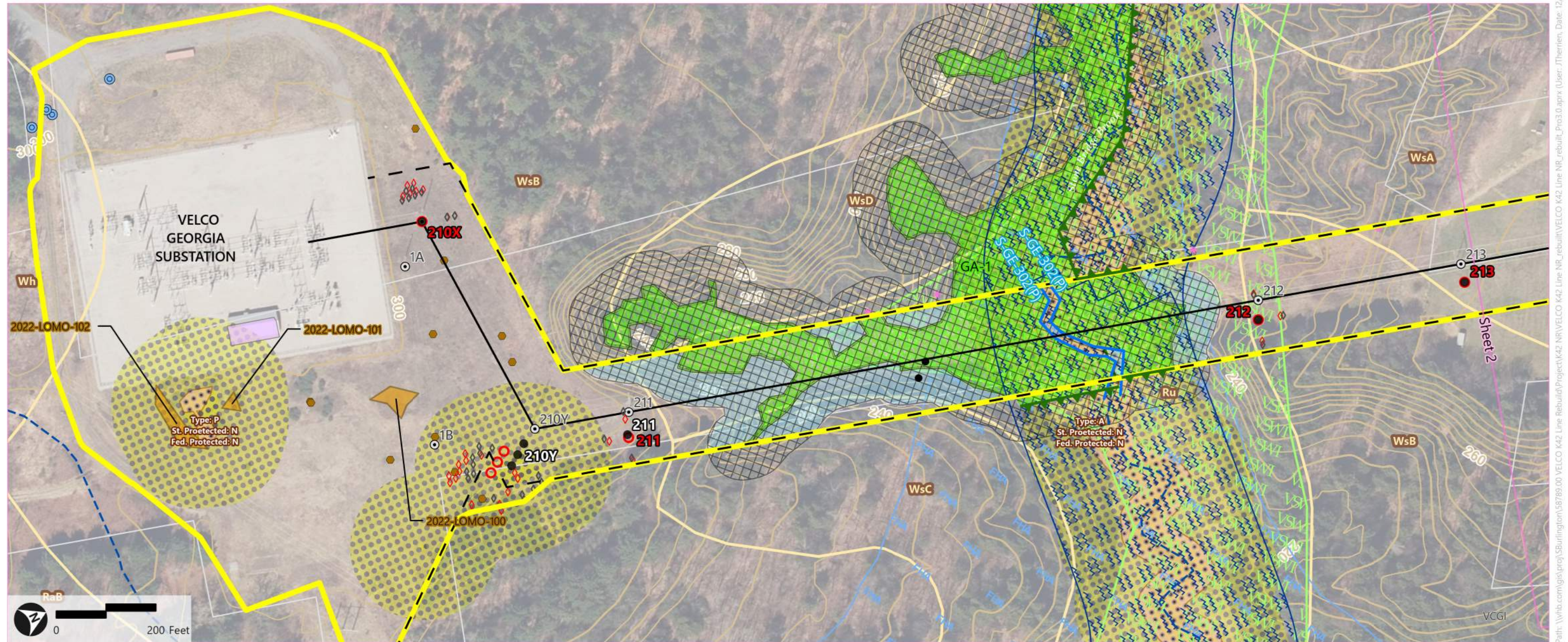
To support revised structure locations, VELCO modified select access roads and crane pads to accommodate one structure removal, revised structure locations, and re-location of pulling pads to support revised dead-end structures. In one instance, the Project team is further reviewing new impervious surface associated with a proposed access for the St. Albans Tap, which may require coverage under the Vermont Operational Stormwater Permit. While modified access roads and workpads do not result in changes to VHB's findings of no adverse impact, enumerated impacts may change slightly when compared to the original filing. Impact totals associated with wetlands, streams, flood hazard areas and river corridor, soil disturbance, and new impervious will be addressed through permitting and in the same manner as presented in the original filing. In addition, impacts to RTE plants and animals will be avoided, or a takings permit will be obtained for the population of *Cyperus houghtonii* at the southern extent of the Project, as described in the original filing.

Modified access roads and workpads will change PAS impacts from that which was included in the original filing. A revised PAS map series and accompanying impact table is included as Attachment 3 to this memorandum. As shown in the Attachment, revised impacts to PAS include 30.6 acres (-0.6 acre change) of construction phase physical disturbance, 13.7 acres (-0.8 acre change) of physical disturbance, and 1.5 acres (+0.4 acre change) of permanent impact, inclusive of numerical rounding. Through avoidance, minimization, and mitigation, the Project continues to result in no undue adverse impacts to PAS. Changes to access roads and workpad alignments required for line design revisions will not result in significant changes to impacts described in the original filing. Through avoidance, minimization, mitigation, and obtaining necessary collateral permits, the Project will not result in any undue adverse impacts to the natural resources criteria reviewed under Section 248, as also described in the original filing.

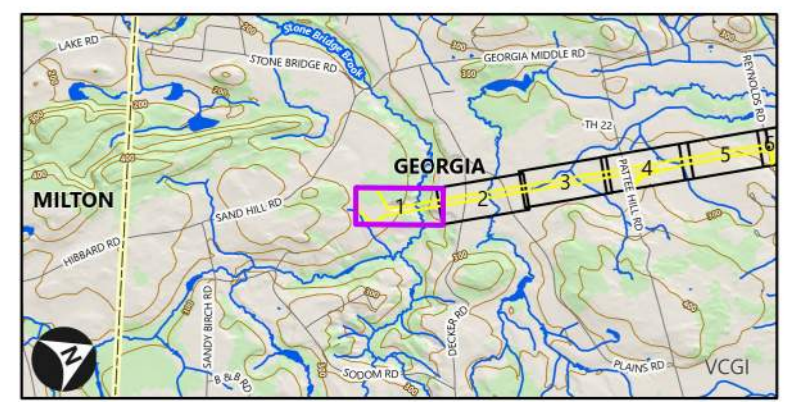
### Attachments

1. Revised Structure Location – Natural Resources Map
2. Revised Structure Location – Section 248 Table
3. Revised Prime Agricultural Soils Map

# ATTACHMENT 1



- |   |  |  |                                   |
|---|--|--|-----------------------------------|
| Study Area (VHB)                          | Edge of ROW (Approx.) (VELCO)          | Class II Wetland Buffer - 50 ft. (VHB) | VNI Element Occurrence (FWD)      |
| Sheet Outline (VHB)                       | Found Culvert (VHB)                    | Wetland Extends (VHB)                  | NRCS Soil Boundary (VCGI)         |
| Proposed Structures (248 Filing) (VELCO)  | Potential Roost Tree (VHB)             | Perennial Stream (VHB/VELCO)           | Building Roofprints (2016) (VCGI) |
| Proposed Structures (Dec 2023) (VELCO)    | Wetland Determination Data Point (VHB) | Riparian Stream Buffer (VHB)           | Town Boundary (VCGI)              |
| Proposed Guy Anchors (248 Filing) (VELCO) | NNIS - Point (VHB)                     | Stream (ANR)                           | Parcel Boundary (VCGI)            |
| Proposed Guy Anchors (Dec 2023) (VELCO)   | RTE (VHB/VELCO)                        | River Corridor (ANR)                   |                                   |
| Existing Structure (VELCO)                | NNIS - Polygon (VHB)                   | FEMA Flood Zones (approx.) (NRPC)      |                                   |
| Existing Transmission Line (VELCO)        | Delineated Wetland (VHB/VELCO)         | VSWI Wetland (ANR)                     |                                   |



Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

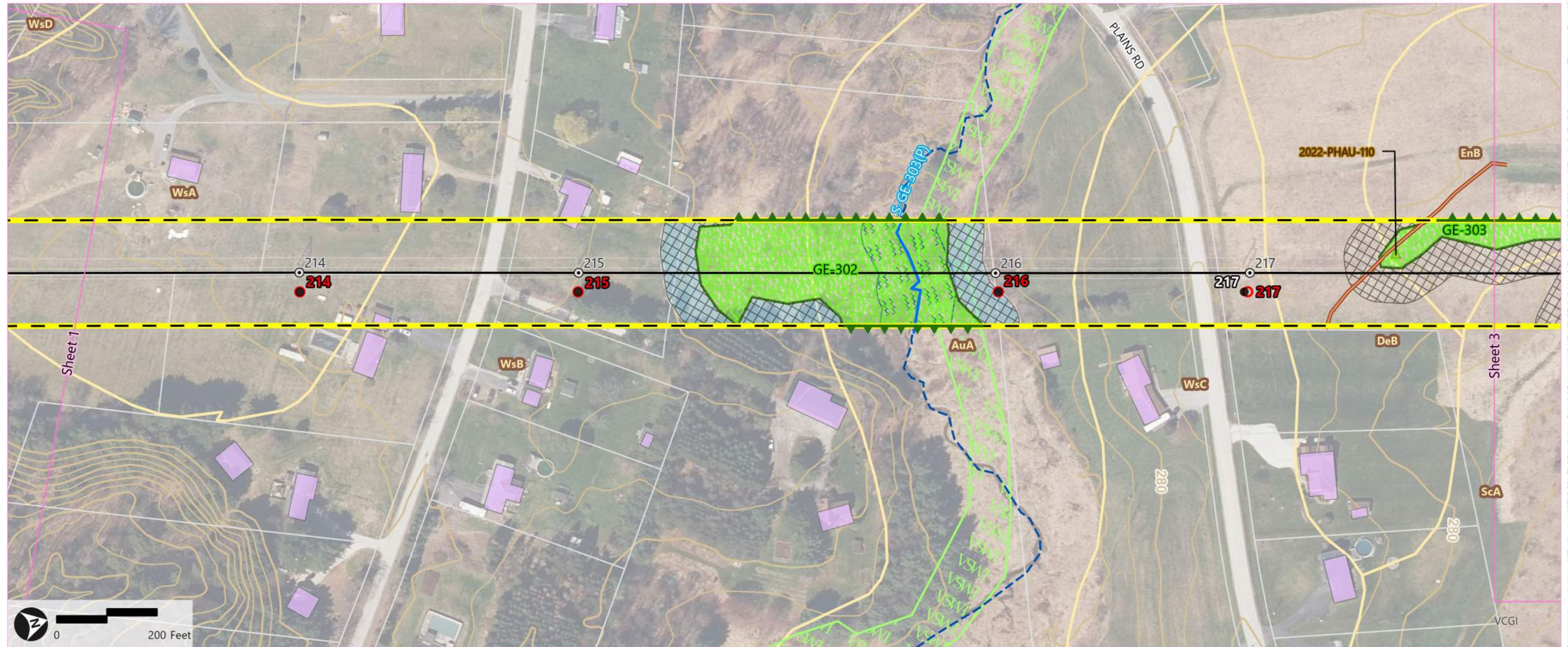
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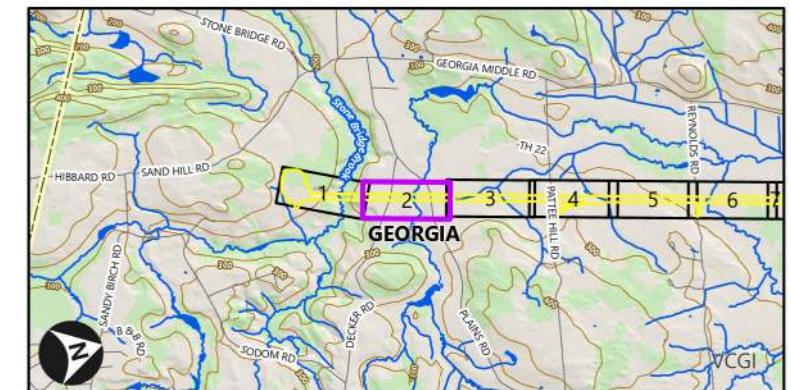
VELCO Franklin County Line Upgrade Project (FCLU) K-42 115 kV Line | Towns of Georgia, St. Albans, Swanton and Highgate, Vermont



December 21, 2023



- Study Area (VHB)
- Sheet Outline (VHB)
- Proposed Structures (248 Filing) (VELCO)
- Proposed Structures (Dec 2023) (VELCO)
- Existing Structure (VELCO)
- Existing Transmission Line (VELCO)
- Edge of ROW (Approx.) (VELCO)
- Previously Identified Underground Infrastructure (VELCO)
- NNIS - Polygon (VHB)
- Delineated Wetland (VHB/VELCO)
- Class II Wetland Buffer - 50 ft. (VHB)
- Wetland Extends (VHB)
- Perennial Stream (VHB/VELCO)
- River Corridor (VHB)
- Riparian Stream Buffer (VHB)
- Stream (ANR)
- VSWI Wetland (ANR)
- NRCS Soil Boundary (VCGI)
- Building Footprints (2016) (VCGI)
- Town Boundary (VCGI)
- Parcel Boundary (VCGI)



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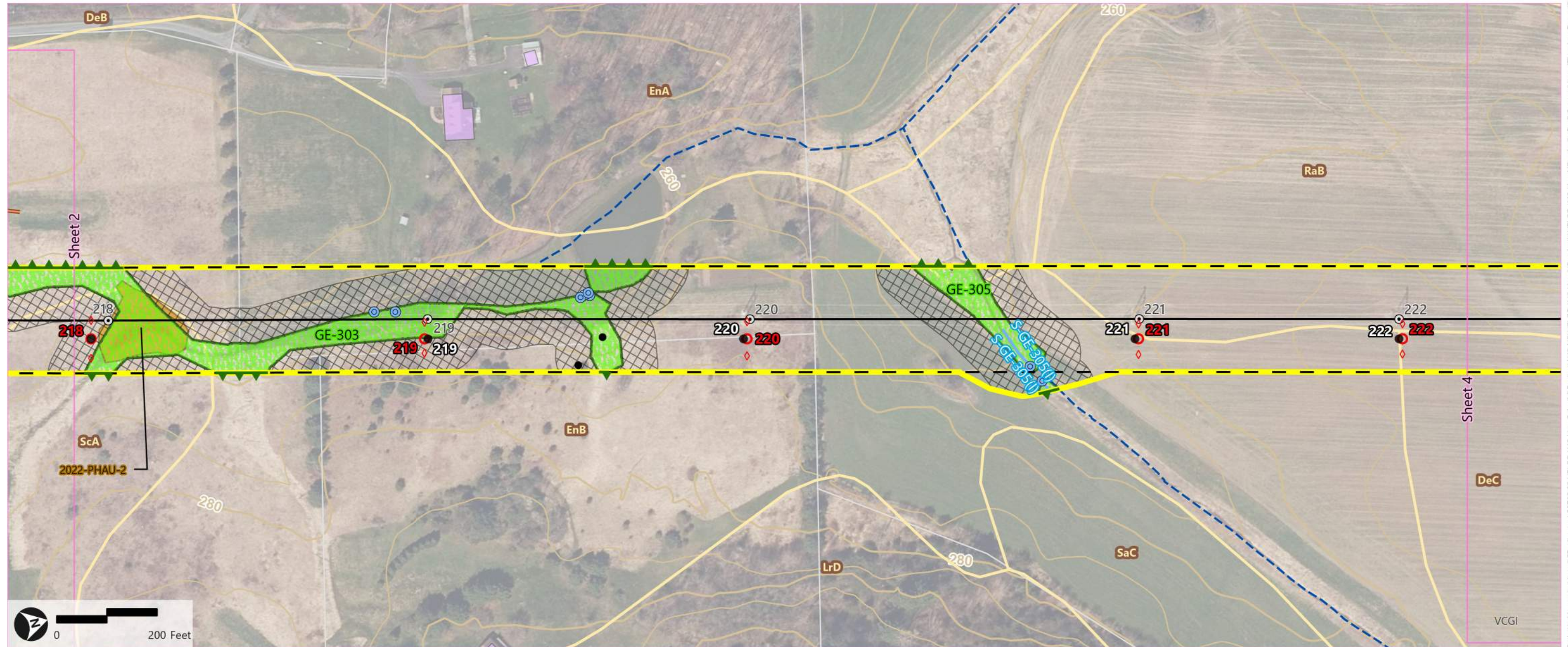
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Natural Resources Map Series - Sheet 3 of 59

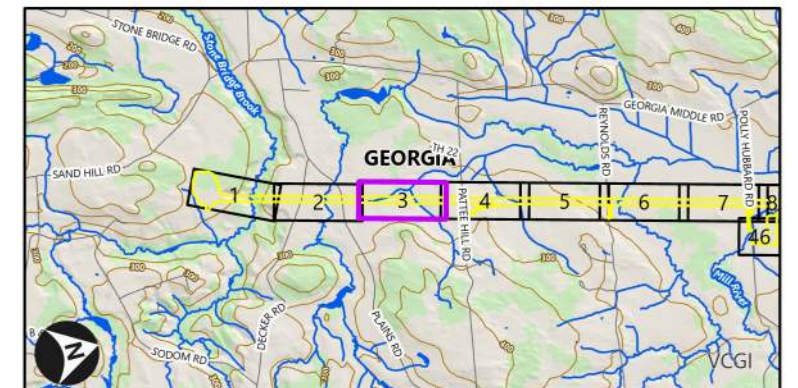
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December 21, 2023



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|--|--|-----------------------------------|
| Study Area (VHB)                         | Edge of ROW (Approx.) (VELCO)                            | Wetland Extends (VHB)             |
| Sheet Outline (VHB)                      | Previously Identified Underground Infrastructure (VELCO) | Intermittent Stream (VHB/VELCO)   |
| Proposed Structures (248 Filing) (VELCO) | Found Culvert (VHB)                                      | Stream (ANR)                      |
| Proposed Structures (Dec 2023) (VELCO)   | Wetland Determination Data Point (VHB)                   | NRCS Soil Boundary (VCGI)         |
| Proposed Guy Anchors (Dec 2023) (VELCO)  | NNIS - Polygon (VHB)                                     | Building Footprints (2016) (VCGI) |
| Existing Structure (VELCO)               | Delineated Wetland (VHB/VELCO)                           | Town Boundary (VCGI)              |
| Existing Transmission Line (VELCO)       | Class II Wetland Buffer - 50 ft. (VHB)                   | Parcel Boundary (VCGI)            |



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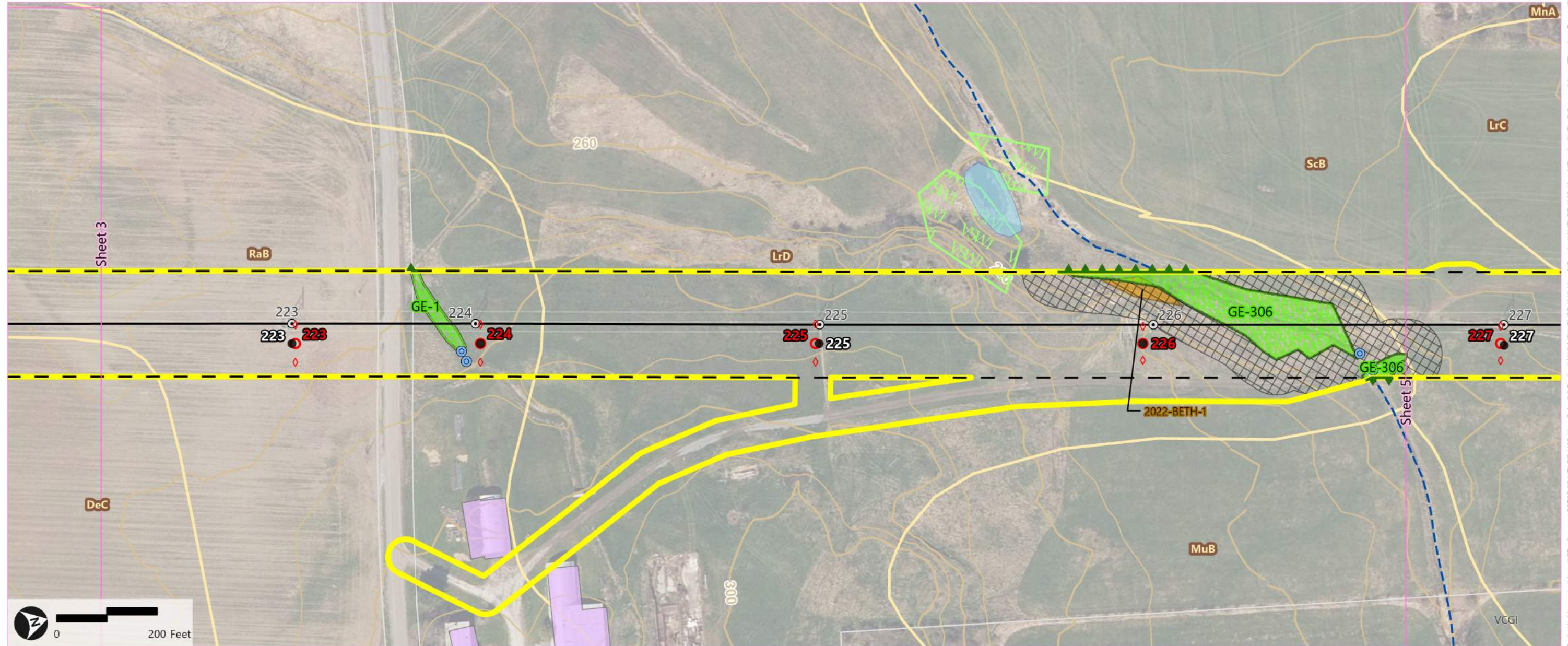
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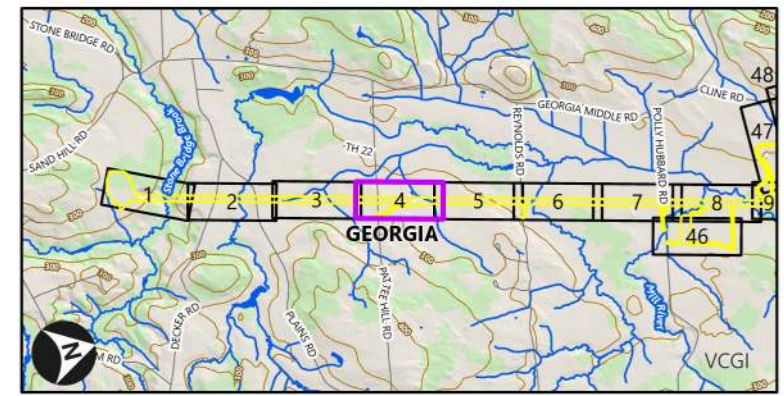
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December 21, 2023



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|--|--|-----------------------------------|
| Study Area (VHB)                         | Edge of ROW (Approx.) (VELCO)          | Stream (ANR)                      |
| Sheet Outline (VHB)                      | Found Culvert (VHB)                    | Waterbody (ANR)                   |
| Proposed Structures (248 Filing) (VELCO) | NNIS - Polygon (VHB)                   | VSWI Wetland (ANR)                |
| Proposed Structures (Dec 2023) (VELCO)   | Delineated Wetland (VHB/VELCO)         | NRCS Soil Boundary (VCGI)         |
| Proposed Guy Anchors (Dec 2023) (VELCO)  | Class II Wetland Buffer - 50 ft. (VHB) | Building Roofprints (2016) (VCGI) |
| Existing Structure (VELCO)               | Wetland Extends (VHB)                  | Town Boundary (VCGI)              |
| Existing Transmission Line (VELCO)       | Ephemeral Stream (VHB/VELCO)           | Parcel Boundary (VCGI)            |



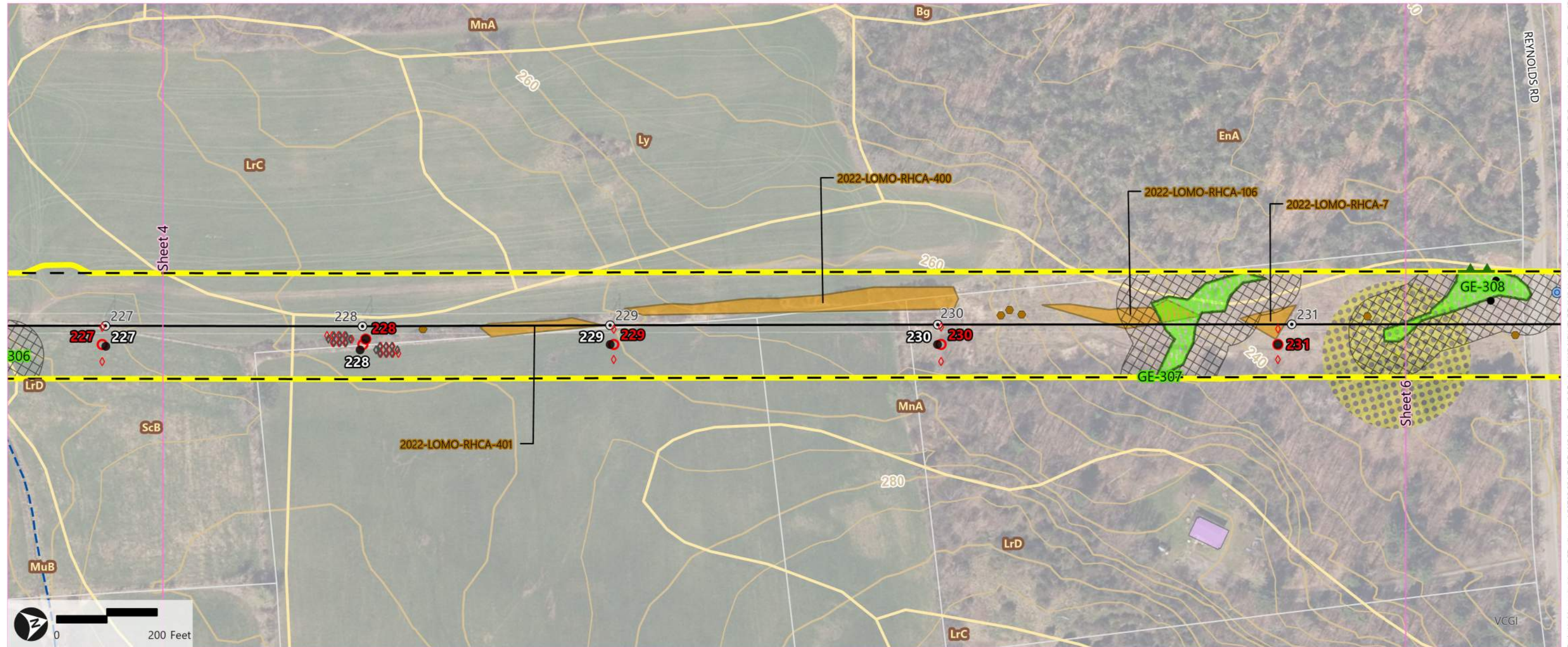
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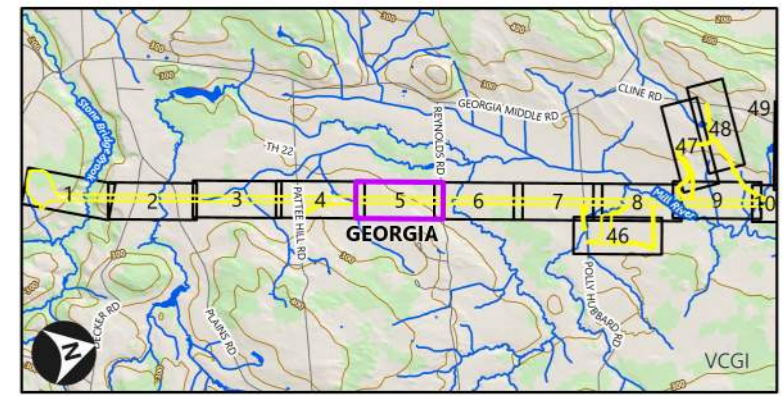
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|---|--|--|
| Study Area (VHB)                          | Edge of ROW (Approx.) (VELCO)          | Class II Wetland Buffer - 50 ft. (VHB) |
| Sheet Outline (VHB)                       | Found Culvert (VHB)                    | Wetland Extends (VHB)                  |
| Proposed Structures (248 Filing) (VELCO)  | Potential Roost Tree (VHB)             | Intermittent Stream (VHB/VELCO)        |
| Proposed Structures (Dec 2023) (VELCO)    | Wetland Determination Data Point (VHB) | Stream (ANR)                           |
| Proposed Guy Anchors (248 Filing) (VELCO) | NNIS - Point (VHB)                     | NRCS Soil Boundary (VCGI)              |
| Proposed Guy Anchors (Dec 2023) (VELCO)   | NNIS - Polygon (VHB)                   | Building Roofprints (2016) (VCGI)      |
| Existing Structure (VELCO)                | RTE (VHB/VELCO)                        | Town Boundary (VCGI)                   |
| Existing Transmission Line (VELCO)        | Delineated Wetland (VHB/VELCO)         | Parcel Boundary (VCGI)                 |



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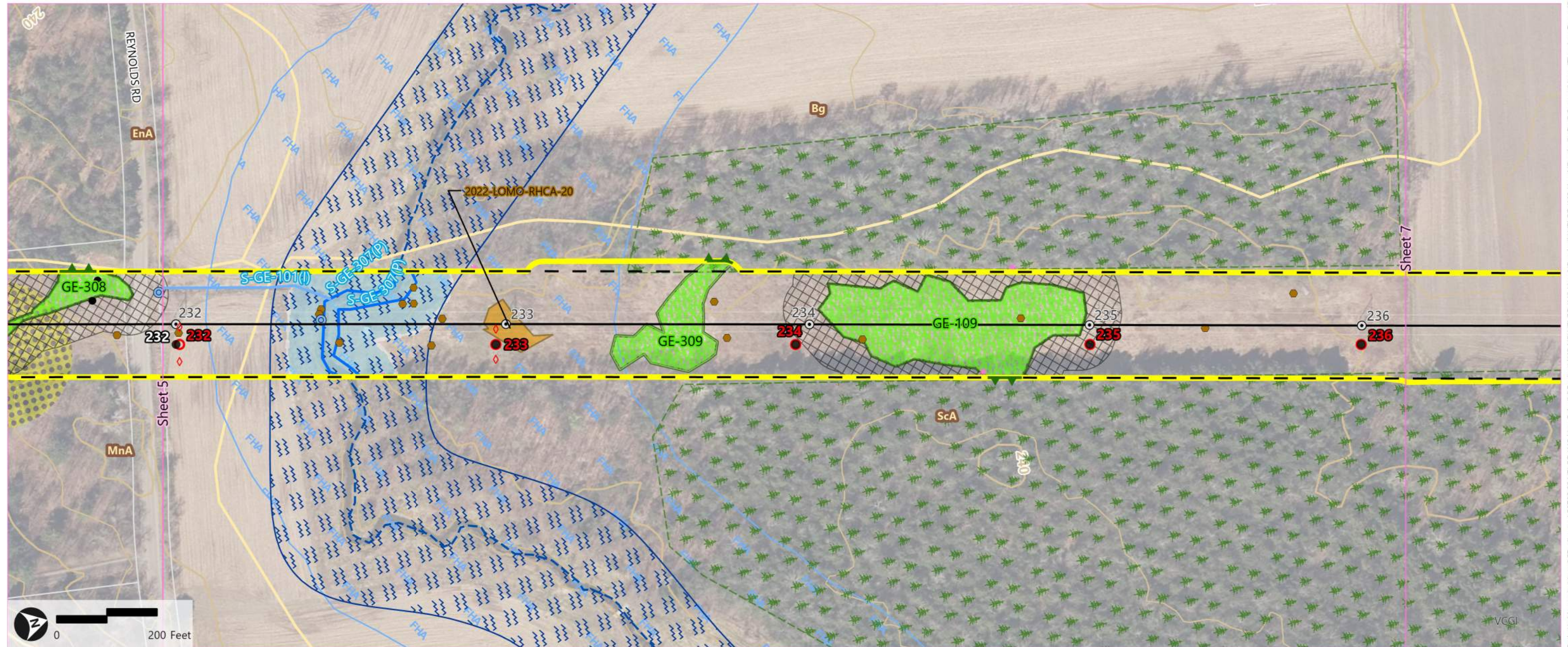
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# Natural Resources Map Series - Sheet 6 of 59

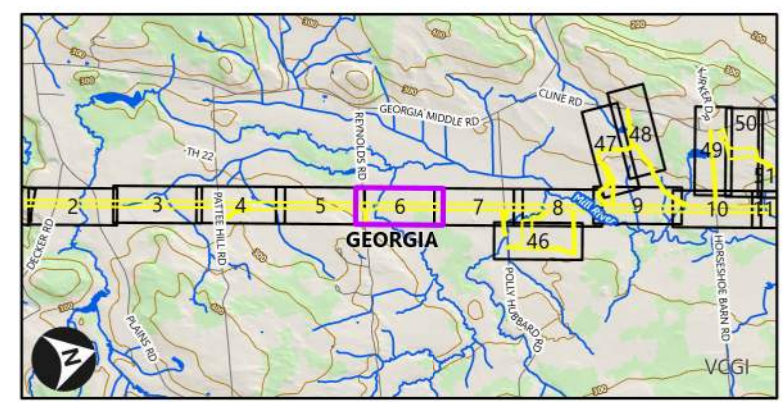
VELCO Franklin County Line Upgrade Project (FCLU) K-42 115 kV Line | Towns of Georgia, St. Albans, Swanton and Highgate, Vermont



December 21, 2023



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|--|--|--|----------------------------------|
| Study Area (VHB)                         | Edge of ROW (Approx.) (VELCO)          | Class II Wetland Buffer - 50 ft. (VHB) | River Corridor (ANR)             |
| Sheet Outline (VHB)                      | Found Culvert (VHB)                    | Wetland Extends (VHB)                  | FEMA Flood Zones (approx.) (NRP) |
| Proposed Structures (248 Filing) (VELCO) | Potential Roost Tree (VHB)             | Perennial Stream (VHB/VELCO)           | NRCS Soil Boundary (VCGI)        |
| Proposed Structures (Dec 2023) (VELCO)   | Wetland Determination Data Point (VHB) | Intermittent Stream (VHB/VELCO)        | Town Boundary (VCGI)             |
| Proposed Guy Anchors (Dec 2023) (VELCO)  | NNIS - Point (VHB)                     | Riparian Stream Buffer (VHB)           | Parcel Boundary (VCGI)           |
| Existing Structure (VELCO)               | NNIS - Polygon (VHB)                   | ANR Deer Wintering Areas (ANR/VHB)     |                                  |
| Existing Transmission Line (VELCO)       | Delineated Wetland (VHB/VELCO)         | Stream (ANR)                           |                                  |



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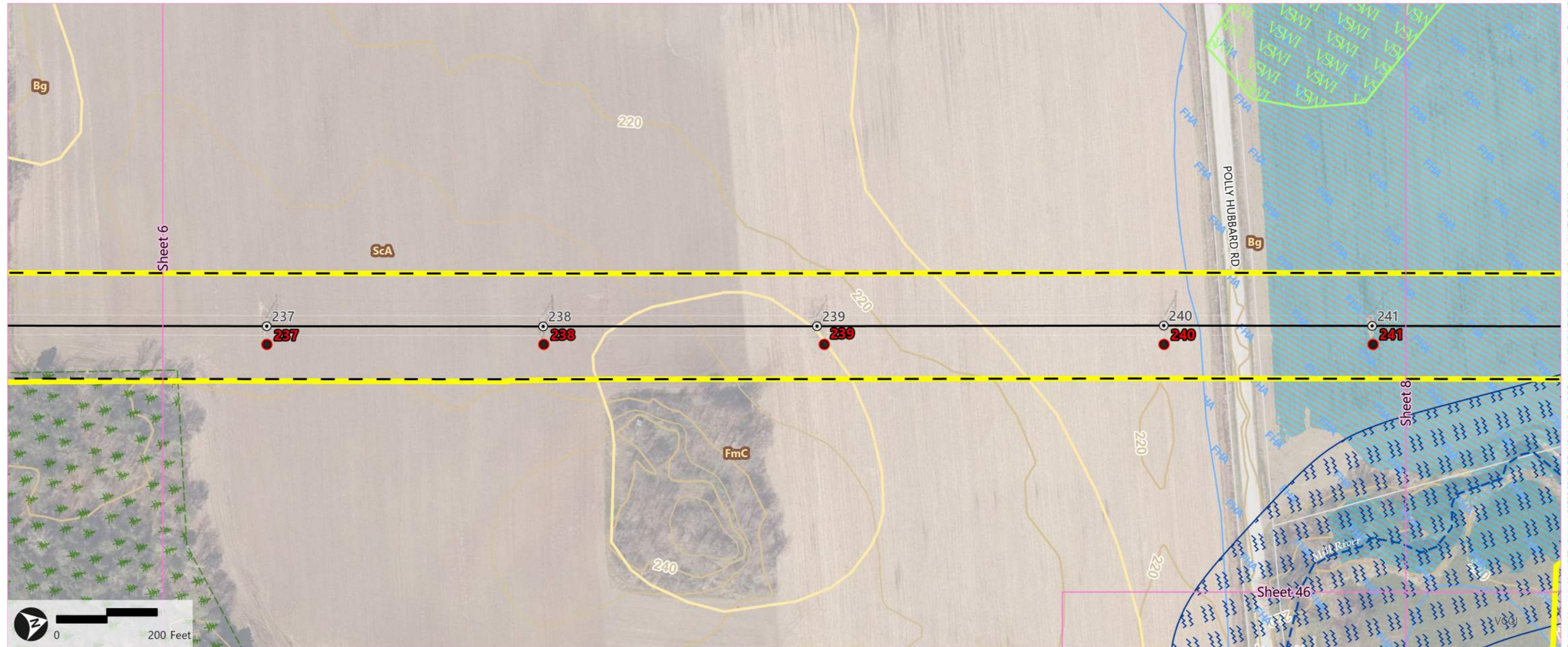
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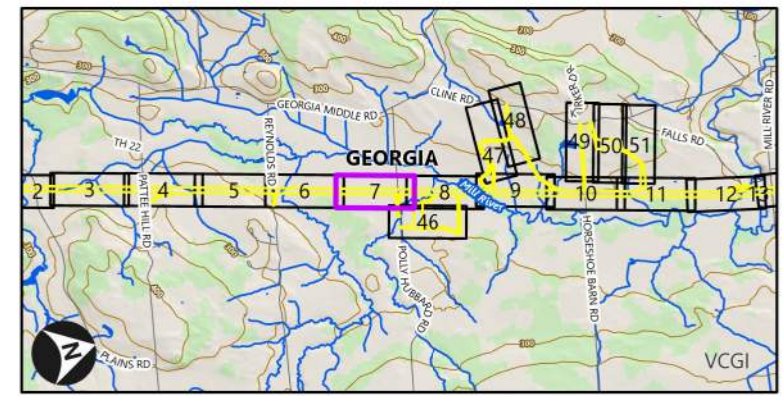
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December 21, 2023



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|--|--|------------------------------------|
| Study Area (VHB)                         | Edge of ROW (Approx.) (VELCO)          | FEMA Flood Zones (approx.) (NRPC)  |
| Sheet Outline (VHB)                      | Class II Wetland Buffer - 50 ft. (VHB) | Base Flood Elevation Extents (VHB) |
| Proposed Structures (248 Filing) (VELCO) | Riparian Stream Buffer (VHB)           | VSWI Wetland (ANR)                 |
| Proposed Structures (Dec 2023) (VELCO)   | ANR Deer Wintering Areas (ANR/VHB)     | NRCS Soil Boundary (VCGI)          |
| Existing Structure (VELCO)               | Stream (ANR)                           | Town Boundary (VCGI)               |
| Existing Transmission Line (VELCO)       | River Corridor (ANR)                   | Parcel Boundary (VCGI)             |

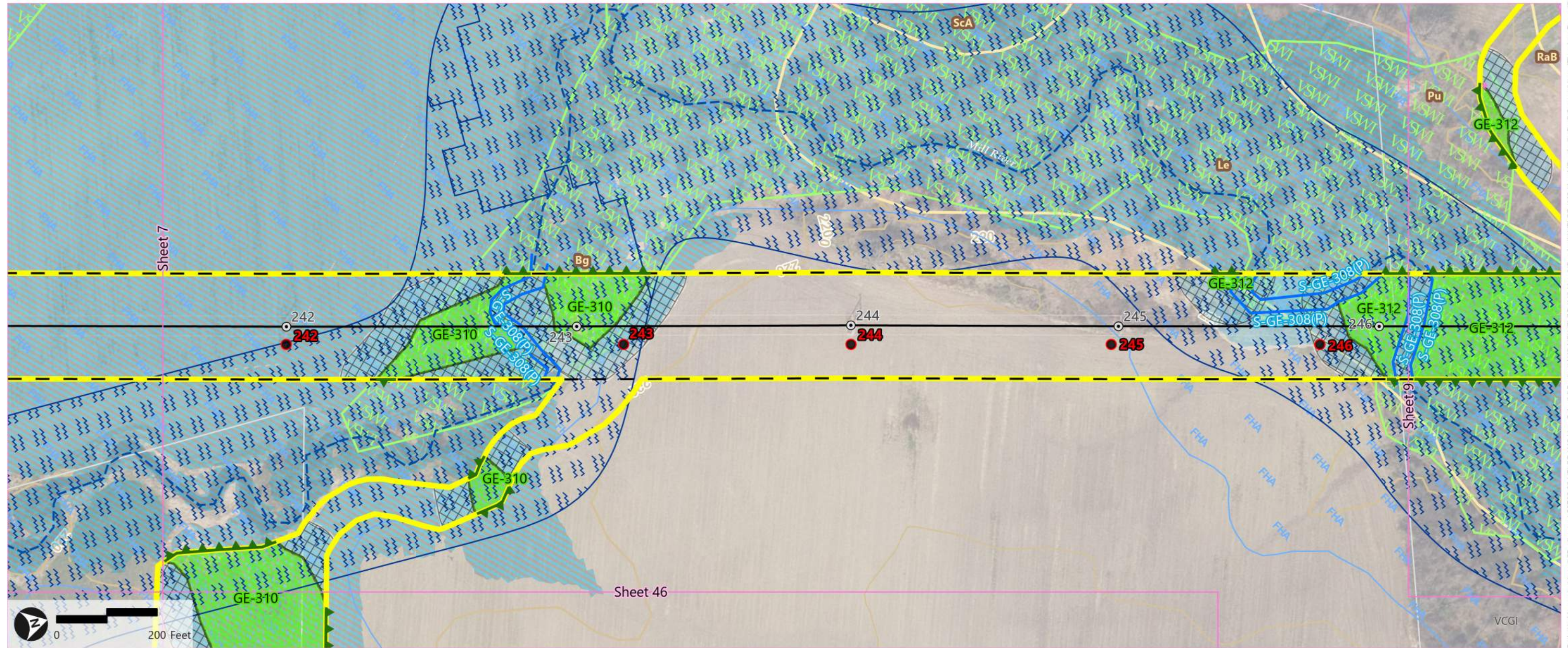


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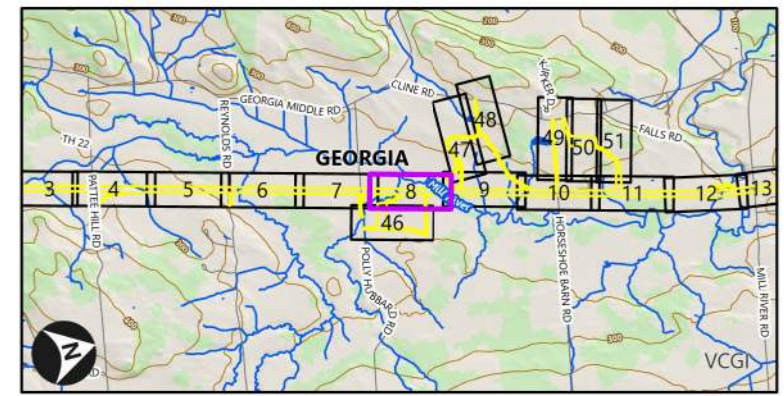
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|--|--|------------------------------------|
| Study Area (VHB)                         | Potential Roost Tree (VHB)             | River Corridor (ANR)               |
| Sheet Outline (VHB)                      | Delineated Wetland (VHB/VELCO)         | FEMA Flood Zones (approx.) (NRPC)  |
| Proposed Structures (248 Filing) (VELCO) | Class II Wetland Buffer - 50 ft. (VHB) | Base Flood Elevation Extents (VHB) |
| Proposed Structures (Dec 2023) (VELCO)   | Wetland Extends (VHB)                  | VSWI Wetland (ANR)                 |
| Existing Structure (VELCO)               | Perennial Stream (VHB/VELCO)           | NRCS Soil Boundary (VCGI)          |
| Existing Transmission Line (VELCO)       | Riparian Stream Buffer (VHB)           | Town Boundary (VCGI)               |
| Edge of ROW (Approx.) (VELCO)            | Stream (ANR)                           | Parcel Boundary (VCGI)             |



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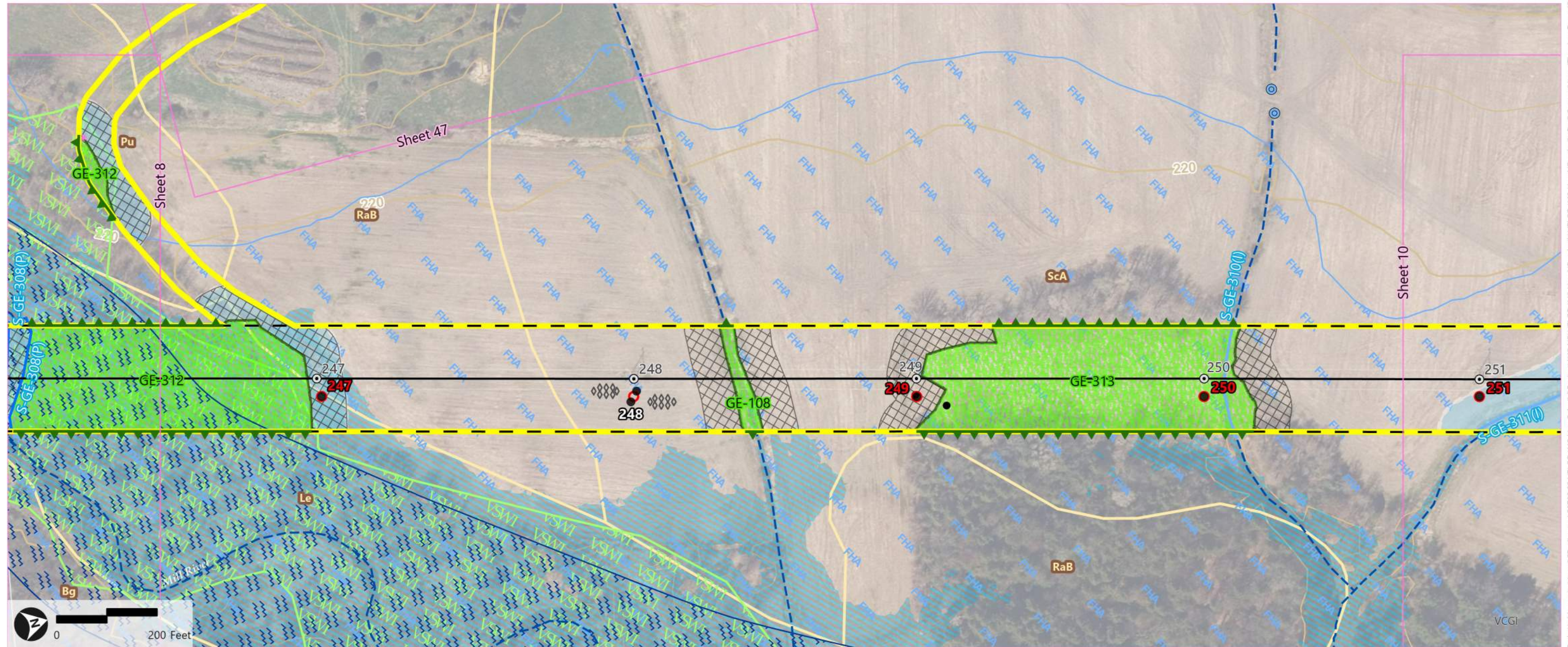
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# Natural Resources Map Series - Sheet 9 of 59

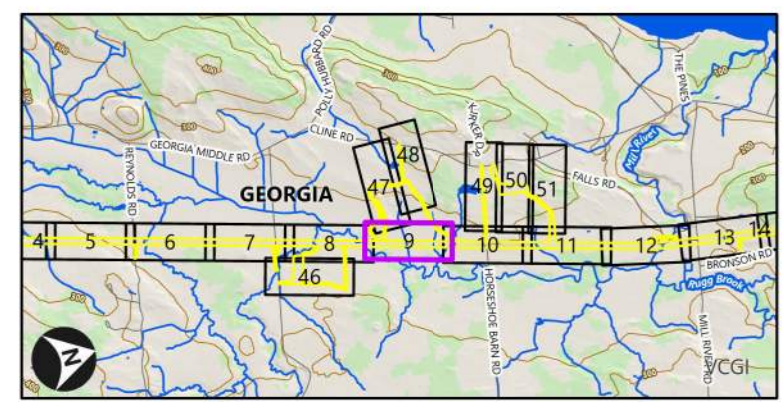
VELCO Franklin County Line Upgrade Project (FCLU) K-42 115 kV Line | Towns of Georgia, St. Albans, Swanton and Highgate, Vermont



December 21, 2023



- |   |  |                                    |                           |
|---|--|------------------------------------|---------------------------|
| Study Area (VHB)                          | Edge of ROW (Approx.) (VELCO)          | Perennial Stream (VHB/VELCO)       | VSWI Wetland (ANR)        |
| Sheet Outline (VHB)                       | Found Culvert (VHB)                    | Intermittent Stream (VHB/VELCO)    | NRCS Soil Boundary (VCGI) |
| Proposed Structures (248 Filing) (VELCO)  | Potential Roost Tree (VHB)             | Riparian Stream Buffer (VHB)       | Town Boundary (VCGI)      |
| Proposed Structures (Dec 2023) (VELCO)    | Wetland Determination Data Point (VHB) | Stream (ANR)                       | Parcel Boundary (VCGI)    |
| Proposed Guy Anchors (248 Filing) (VELCO) | Delineated Wetland (VHB/VELCO)         | River Corridor (ANR)               |                           |
| Existing Structure (VELCO)                | Class II Wetland Buffer - 50 ft. (VHB) | FEMA Flood Zones (approx.) (NRP)   |                           |
| Existing Transmission Line (VELCO)        | Wetland Extends (VHB)                  | Base Flood Elevation Extents (VHB) |                           |



Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

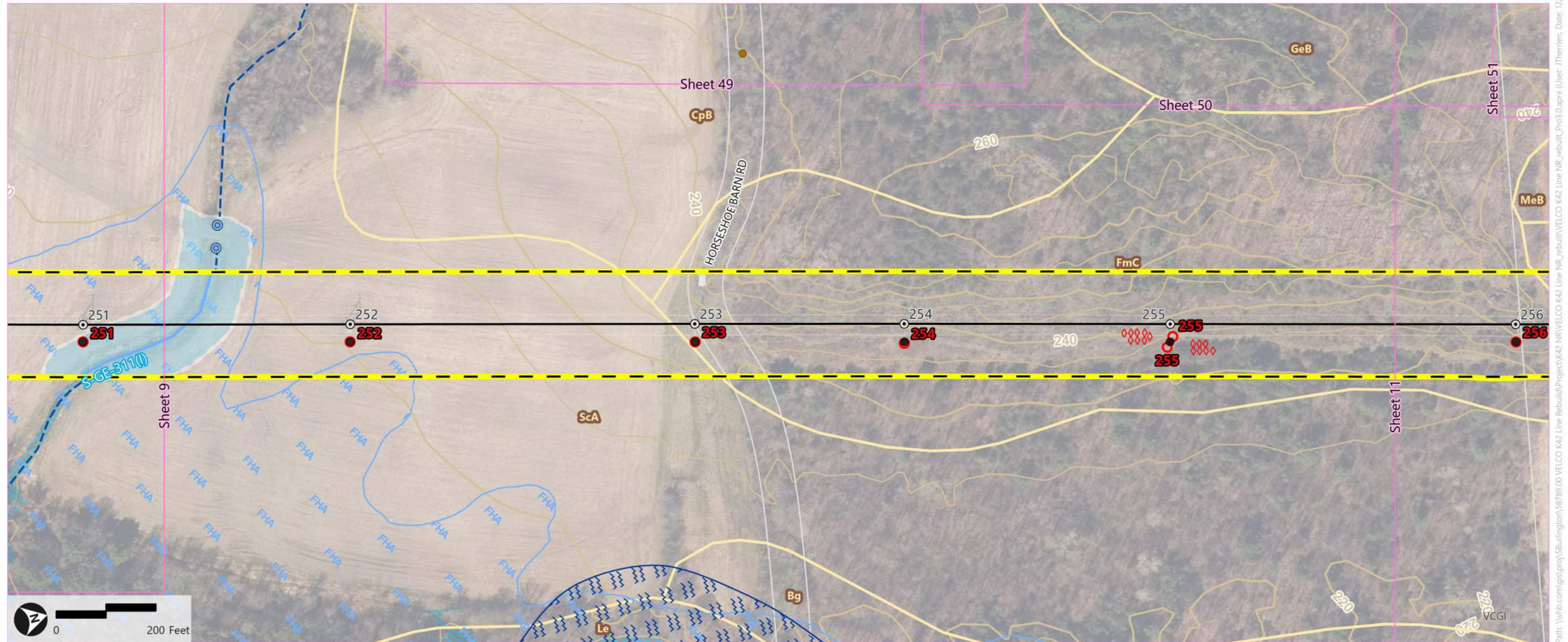
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Natural Resources Map Series - Sheet 10 of 59

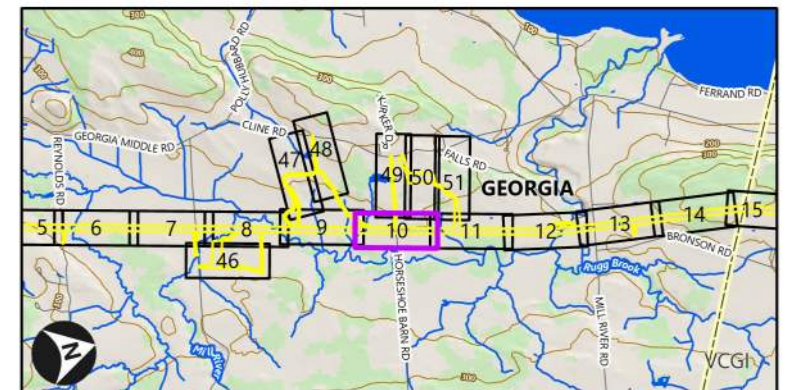
VELCO Franklin County Line Upgrade Project (FCLU) K-42 115 kV Line | Towns of Georgia, St. Albans, Swanton and Highgate, Vermont



December 21, 2023



- |  |                                 |                                    |
|--|---------------------------------|------------------------------------|
| Study Area (VHB)                         | Edge of ROW (Approx.) (VELCO)   | FEMA Flood Zones (approx.) (NRPC)  |
| Sheet Outline (VHB)                      | Found Culvert (VHB)             | Base Flood Elevation Extents (VHB) |
| Proposed Structures (248 Filing) (VELCO) | NNIS - Point (VHB)              | NRCS Soil Boundary (VCGI)          |
| Proposed Structures (Dec 2023) (VELCO)   | Intermittent Stream (VHB/VELCO) | Town Boundary (VCGI)               |
| Proposed Guy Anchors (Dec 2023) (VELCO)  | Riparian Stream Buffer (VHB)    | Parcel Boundary (VCGI)             |
| Existing Structure (VELCO)               | Stream (ANR)                    |                                    |
| Existing Transmission Line (VELCO)       | River Corridor (ANR)            |                                    |



Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

Path: \\vhb.com\gis\proj\SBurrlington\58789.00 VELCO K42 Line Rebuild\Project\K42 Line NR\_rebuild\VELCO K42 Line NR\_rebuild\_Proj3.0.aprx (User: JTherrien, Date: 12/21/2023)

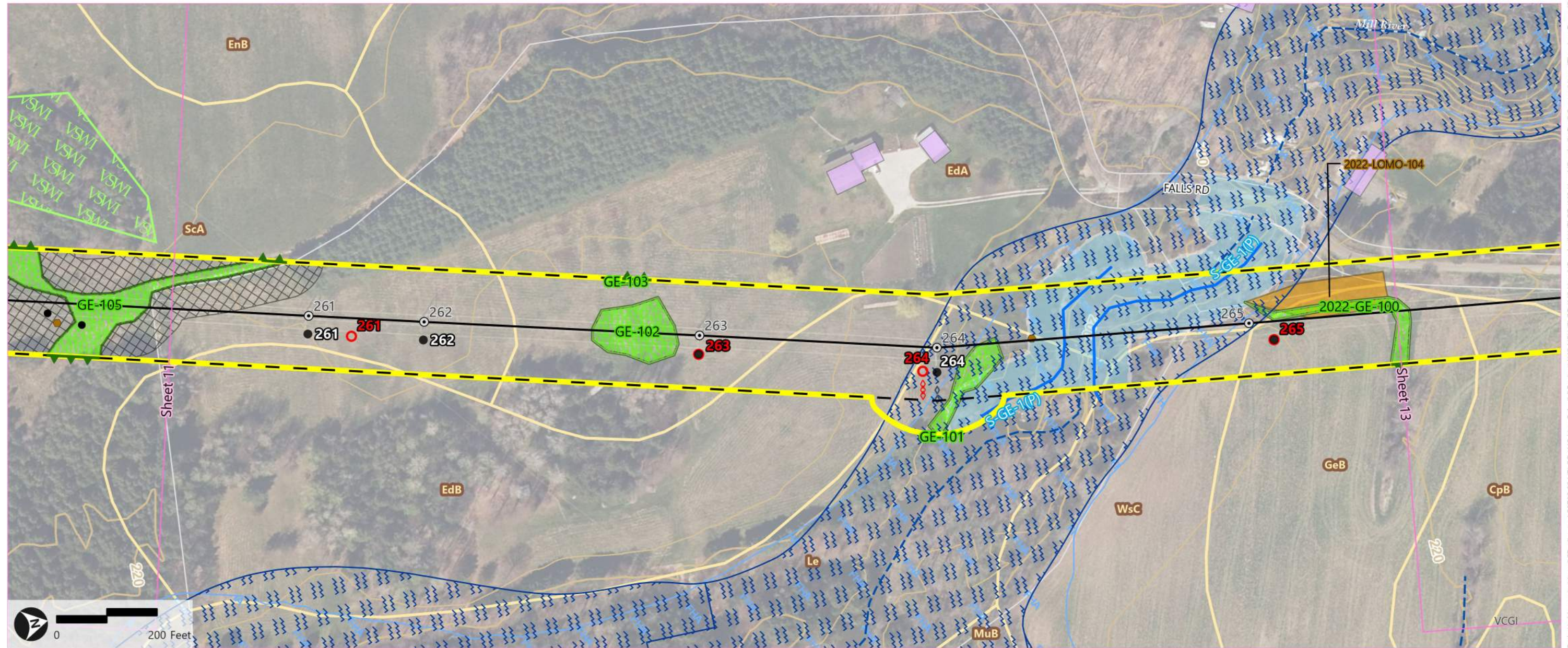


# Natural Resources Map Series - Sheet 12 of 59

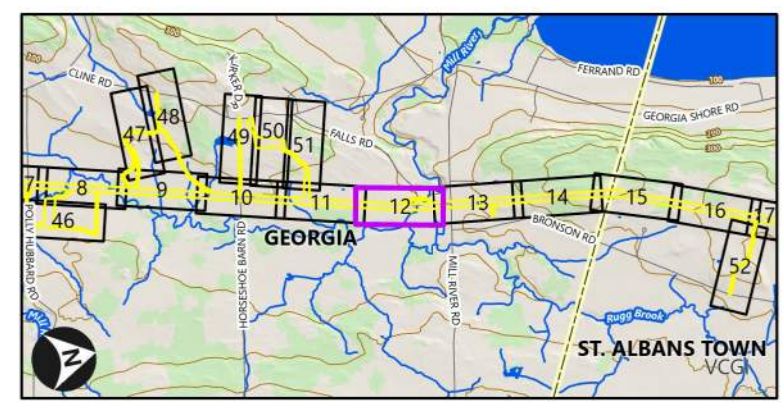
VELCO Franklin County Line Upgrade Project (FCLU) K-42 115 kV Line | Towns of Georgia, St. Albans, Swanton and Highgate, Vermont



December 21, 2023



- |   |  |                                   |                                   |
|---|--|-----------------------------------|-----------------------------------|
| Study Area (VHB)                          | Existing Transmission Line (VELCO)     | Wetland Extends (VHB)             | NRCS Soil Boundary (VCGI)         |
| Sheet Outline (VHB)                       | Edge of ROW (Approx.) (VELCO)          | Perennial Stream (VHB/VELCO)      | Building Footprints (2016) (VCGI) |
| Proposed Structures (248 Filing) (VELCO)  | Wetland Determination Data Point (VHB) | Riparian Stream Buffer (VHB)      | Town Boundary (VCGI)              |
| Proposed Structures (Dec 2023) (VELCO)    | NNIS - Point (VHB)                     | Stream (ANR)                      | Parcel Boundary (VCGI)            |
| Proposed Guy Anchors (248 Filing) (VELCO) | NNIS - Polygon (VHB)                   | River Corridor (ANR)              |                                   |
| Proposed Guy Anchors (Dec 2023) (VELCO)   | Delineated Wetland (VHB/VELCO)         | FEMA Flood Zones (approx.) (NRPC) |                                   |
| Existing Structure (VELCO)                | Class II Wetland Buffer - 50 ft. (VHB) | VSWI Wetland (ANR)                |                                   |



Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

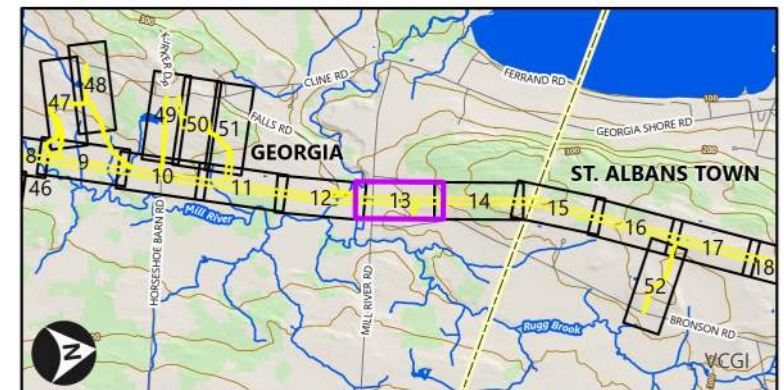
Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

Path: \\vha.com\gis\proj\SB\urlington\58789.00 VELCO K42 Line Rebuild\Project\K42 Line NR\_rebuild\VELCO K42 Line NR.aprx (User: JTherrien, Date: 12/21/2023)





- |   |  |  |                                   |
|---|--|--|-----------------------------------|
| Study Area (VHB)                          | Existing Transmission Line (VELCO)     | Class II Wetland Buffer - 50 ft. (VHB) | NRCS Soil Boundary (VCGI)         |
| Sheet Outline (VHB)                       | Edge of ROW (Approx.) (VELCO)          | Wetland Extends (VHB)                  | Building Roofprints (2016) (VCGI) |
| Proposed Structures (248 Filing) (VELCO)  | Found Culvert (VHB)                    | Stream (ANR)                           | Town Boundary (VCGI)              |
| Proposed Structures (Dec 2023) (VELCO)    | Potential Roost Tree (VHB)             | Waterbody (ANR)                        | Parcel Boundary (VCGI)            |
| Proposed Guy Anchors (248 Filing) (VELCO) | Wetland Determination Data Point (VHB) | River Corridor (ANR)                   |                                   |
| Proposed Guy Anchors (Dec 2023) (VELCO)   | NNIS - Point (VHB)                     | FEMA Flood Zones (approx.) (NRPC)      |                                   |
| Existing Structure (VELCO)                | Delineated Wetland (VHB/VELCO)         | VSWI Wetland (ANR)                     |                                   |



Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

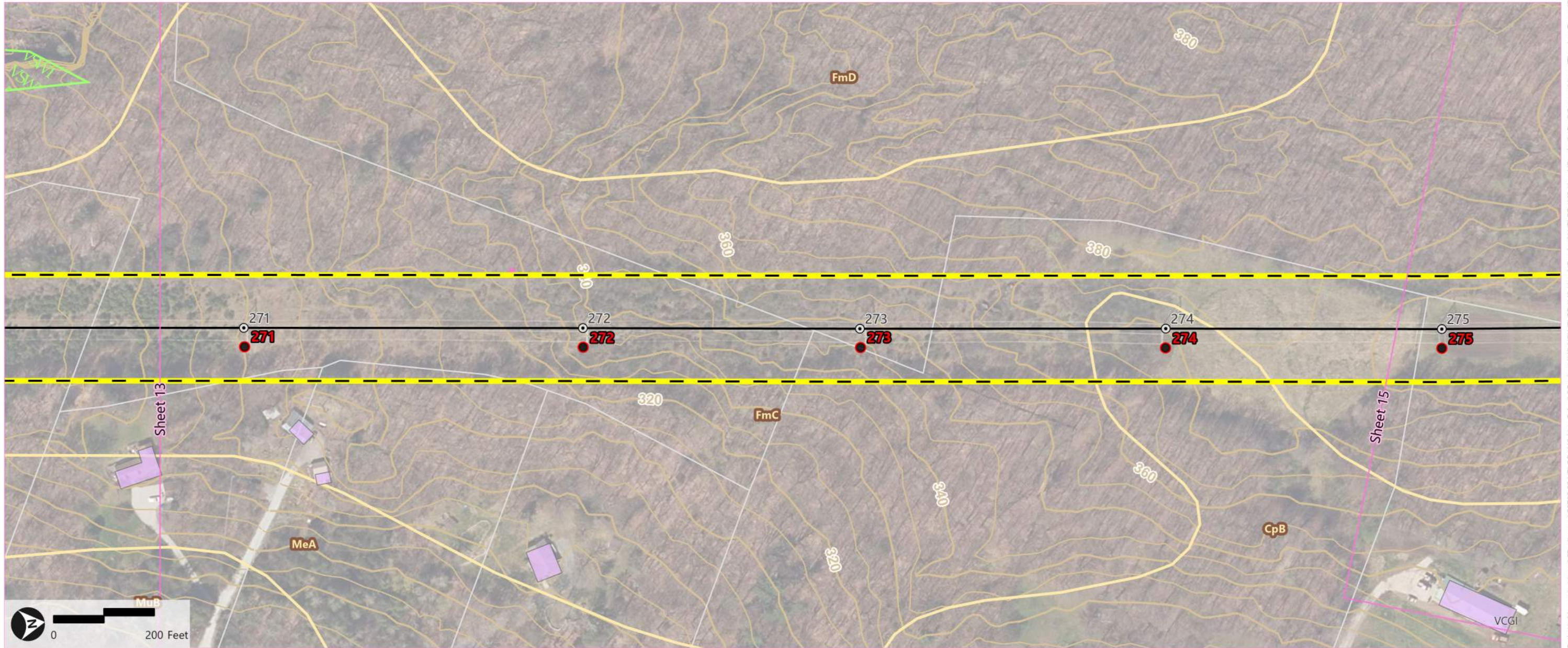
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Natural Resources Map Series - Sheet 14 of 59

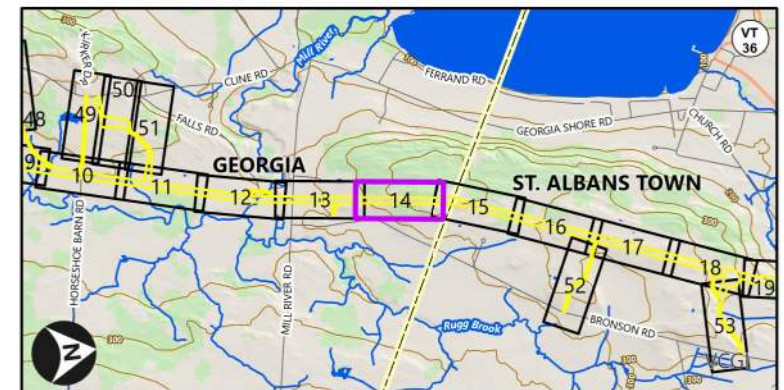
VELCO Franklin County Line Upgrade Project (FCLU) K-42 115 kV Line | Towns of Georgia, St. Albans, Swanton and Highgate, Vermont



December 21, 2023



- |  |                                    |                                   |
|--|------------------------------------|-----------------------------------|
| Study Area (VHB)                         | Existing Transmission Line (VELCO) | Building Roofprints (2016) (VCGI) |
| Sheet Outline (VHB)                      | Edge of ROW (Approx.) (VELCO)      | Town Boundary (VCGI)              |
| Proposed Structures (248 Filing) (VELCO) | Potential Roost Tree (VHB)         | Parcel Boundary (VCGI)            |
| Proposed Structures (Dec 2023) (VELCO)   | VSWI Wetland (ANR)                 |                                   |
| Existing Structure (VELCO)               | NRCS Soil Boundary (VCGI)          |                                   |

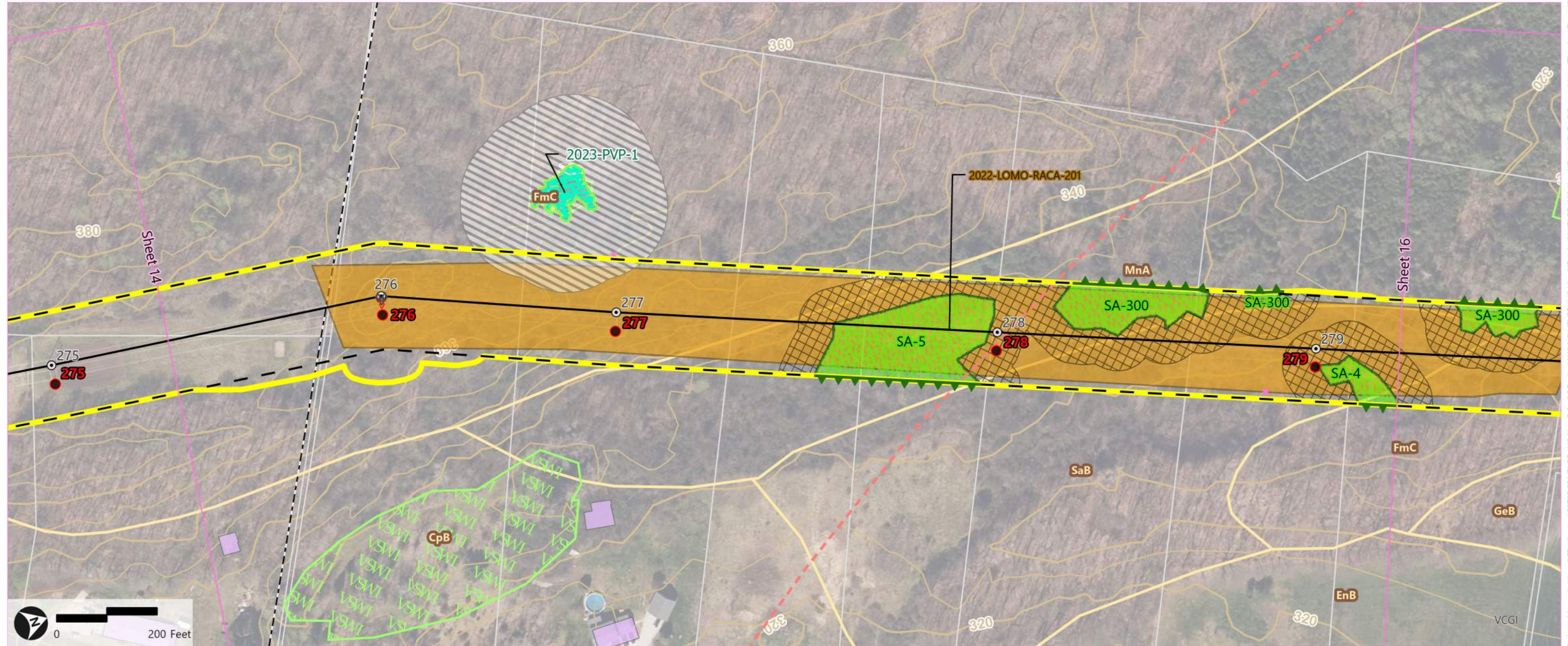


Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

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Path: \\vhb.com\gis\pro\SBurrlington\58789.00 VELCO K42 Line Rebuild\Project\K42 Line NR\_rebuild\VELCO K42 Line NR\_rebuild.aprx (User: JTherrien, Date: 12/21/2023)



- |   |  |   |
|---|--|---|
| Study Area (VHB)                          | Edge of ROW (Approx.) (VELCO)          | VSWI Wetland (ANR)                          |
| Sheet Outline (VHB)                       | VAST Trail (VCGI)                      | NRCS Soil Boundary (VCGI)                   |
| Proposed Structures (248 Filing) (VELCO)  | Potential Roost Tree (VHB)             | Building Roofprints (2016) (VCGI)           |
| Proposed Structures (Dec 2023) (VELCO)    | Potential Vernal Pool - Polygon (VHB)  | Town Boundary (VCGI)                        |
| Proposed Guy Anchors (248 Filing) (VELCO) | NNIS - Polygon (VHB)                   | Parcel Boundary (VCGI)                      |
| Proposed Guy Anchors (Dec 2023) (VELCO)   | Delineated Wetland (VHB/VELCO)         | Potential Vernal Pool - 100 ft Buffer (VHB) |
| Existing Structure (VELCO)                | Class II Wetland Buffer - 50 ft. (VHB) | Wetland Extends (VHB)                       |
| Existing Transmission Line (VELCO)        |  |   |



Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

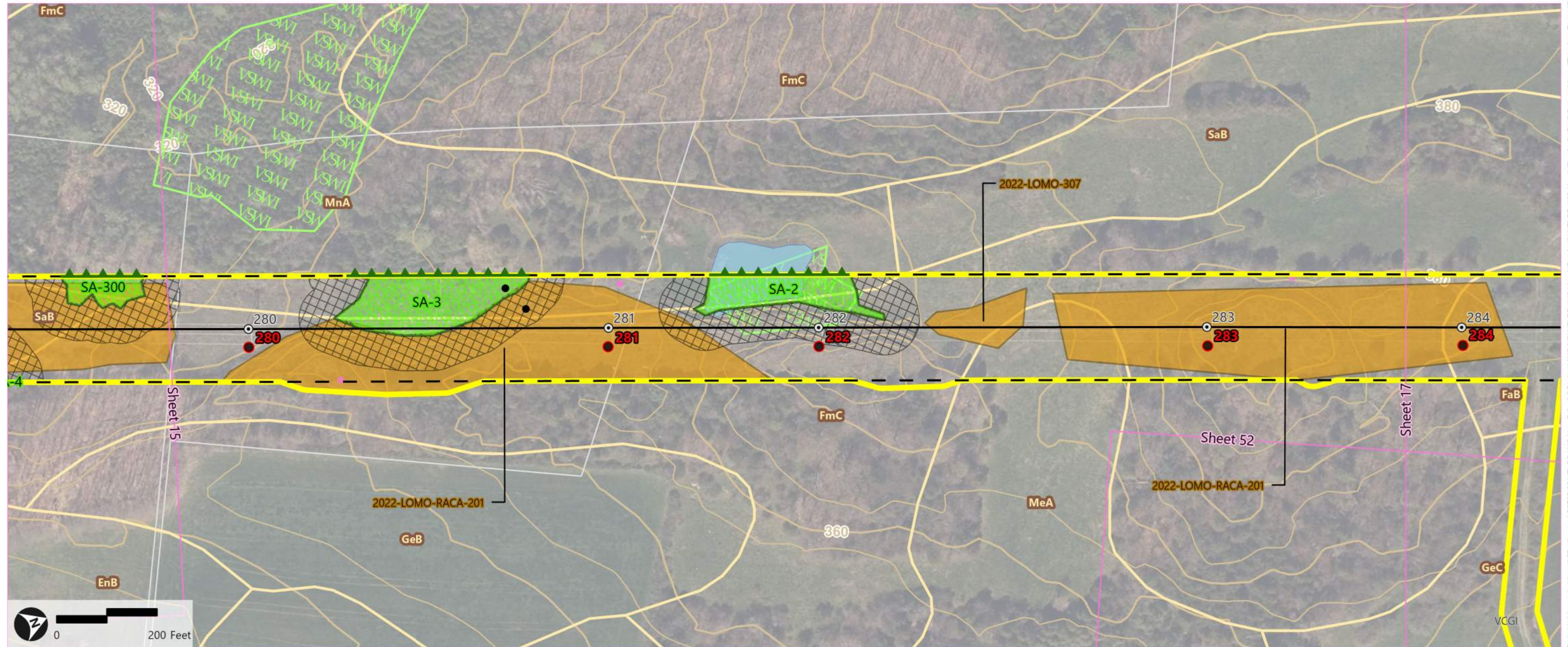
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Natural Resources Map Series - Sheet 16 of 59

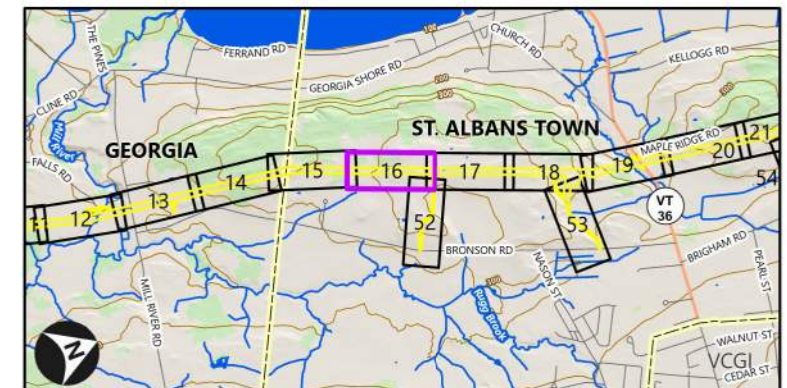
VELCO Franklin County Line Upgrade Project (FCLU) K-42 115 kV Line | Towns of Georgia, St. Albans, Swanton and Highgate, Vermont



December 21, 2023



- |  |  |                           |
|--|--|---------------------------|
| Study Area (VHB)                         | Edge of ROW (Approx.) (VELCO)          | Wetland Extends (VHB)     |
| Sheet Outline (VHB)                      | Potential Roost Tree (VHB)             | Waterbody (ANR)           |
| Proposed Structures (248 Filing) (VELCO) | Wetland Determination Data Point (VHB) | VSWI Wetland (ANR)        |
| Proposed Structures (Dec 2023) (VELCO)   | NNIS - Polygon (VHB)                   | NRCS Soil Boundary (VCGI) |
| Existing Structure (VELCO)               | Delineated Wetland (VHB/VELCO)         | Town Boundary (VCGI)      |
| Existing Transmission Line (VELCO)       | Class II Wetland Buffer - 50 ft. (VHB) | Parcel Boundary (VCGI)    |



Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

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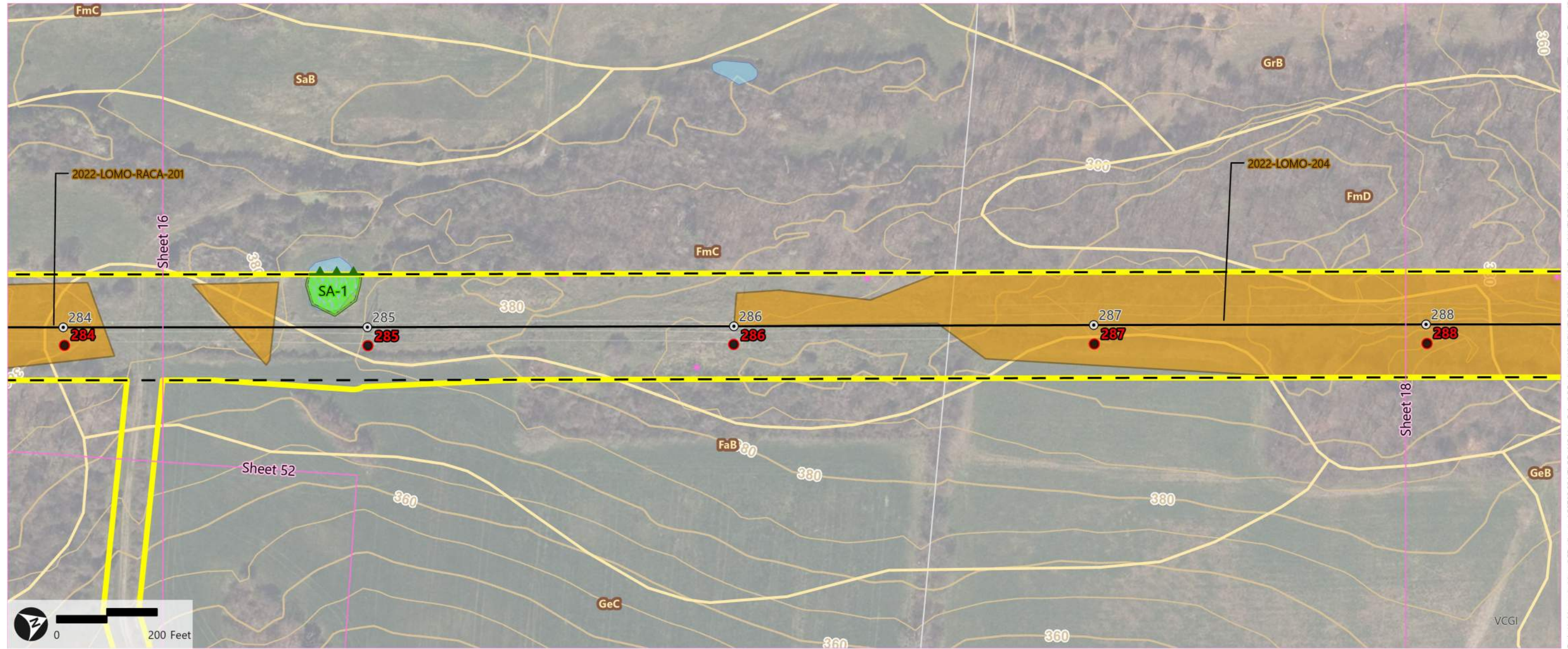
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# Natural Resources Map Series - Sheet 17 of 59

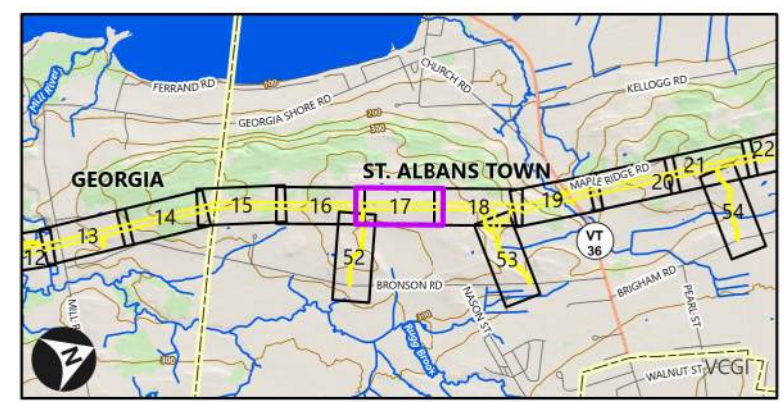
VELCO Franklin County Line Upgrade Project (FCLU) K-42 115 kV Line | Towns of Georgia, St. Albans, Swanton and Highgate, Vermont



December 21, 2023



- |  |                                    |                           |
|--|------------------------------------|---------------------------|
| Study Area (VHB)                         | Existing Transmission Line (VELCO) | Wetland Extends (VHB)     |
| Sheet Outline (VHB)                      | Edge of ROW (Approx.) (VELCO)      | Waterbody (ANR)           |
| Proposed Structures (248 Filing) (VELCO) | Potential Roost Tree (VHB)         | NRCS Soil Boundary (VCGI) |
| Proposed Structures (Dec 2023) (VELCO)   | NNIS - Polygon (VHB)               | Town Boundary (VCGI)      |
| Existing Structure (VELCO)               | Delineated Wetland (VHB/VELCO)     | Parcel Boundary (VCGI)    |



Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

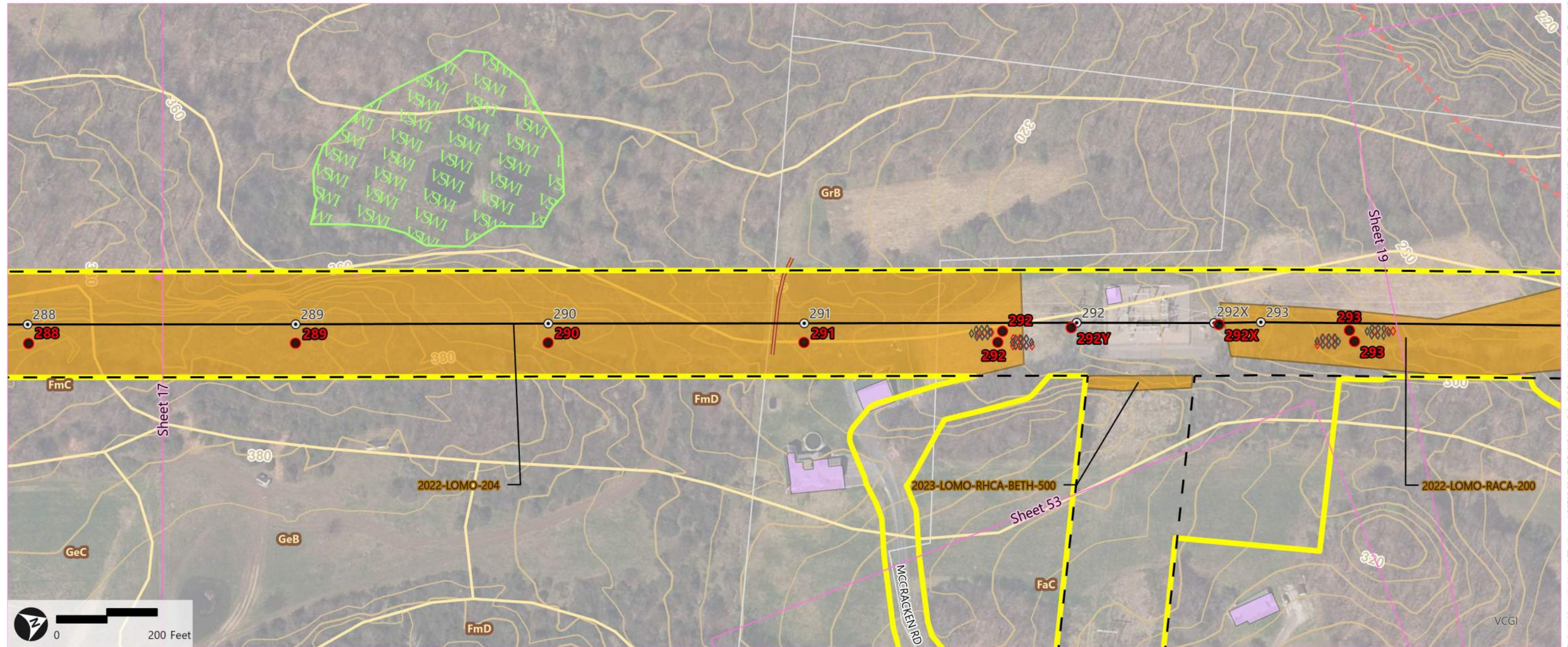
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# Natural Resources Map Series - Sheet 18 of 59

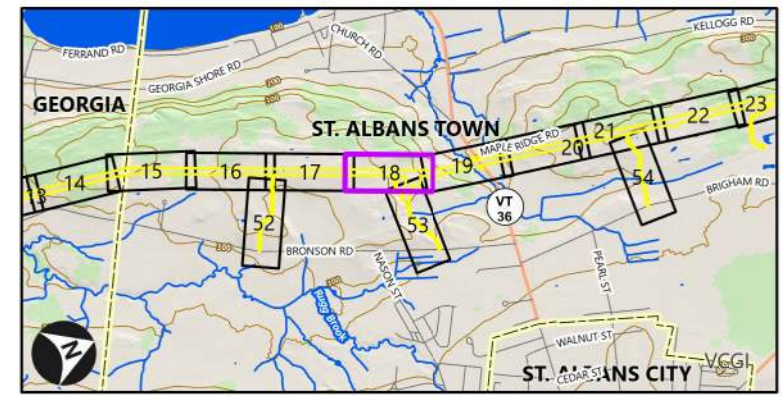
VELCO Franklin County Line Upgrade Project (FCLU) K-42 115 kV Line | Towns of Georgia, St. Albans, Swanton and Highgate, Vermont



December 21, 2023



- |   |  |                                   |
|---|--|-----------------------------------|
| Study Area (VHB)                          | Existing Structure (VELCO)                               | NNIS - Polygon (VHB)              |
| Sheet Outline (VHB)                       | Existing Transmission Line (VELCO)                       | VSWI Wetland (ANR)                |
| Proposed Structures (248 Filing) (VELCO)  | Edge of ROW (Approx.) (VELCO)                            | NRCS Soil Boundary (VCGI)         |
| Proposed Structures (Dec 2023) (VELCO)    | Previously Identified Underground Infrastructure (VELCO) | Building Footprints (2016) (VCGI) |
| Proposed Guy Anchors (248 Filing) (VELCO) | VAST Trail (VCGI)  | Town Boundary (VCGI)              |
| Proposed Guy Anchors (Dec 2023) (VELCO)   | Potential Roost Tree (VHB)                               | Parcel Boundary (VCGI)            |

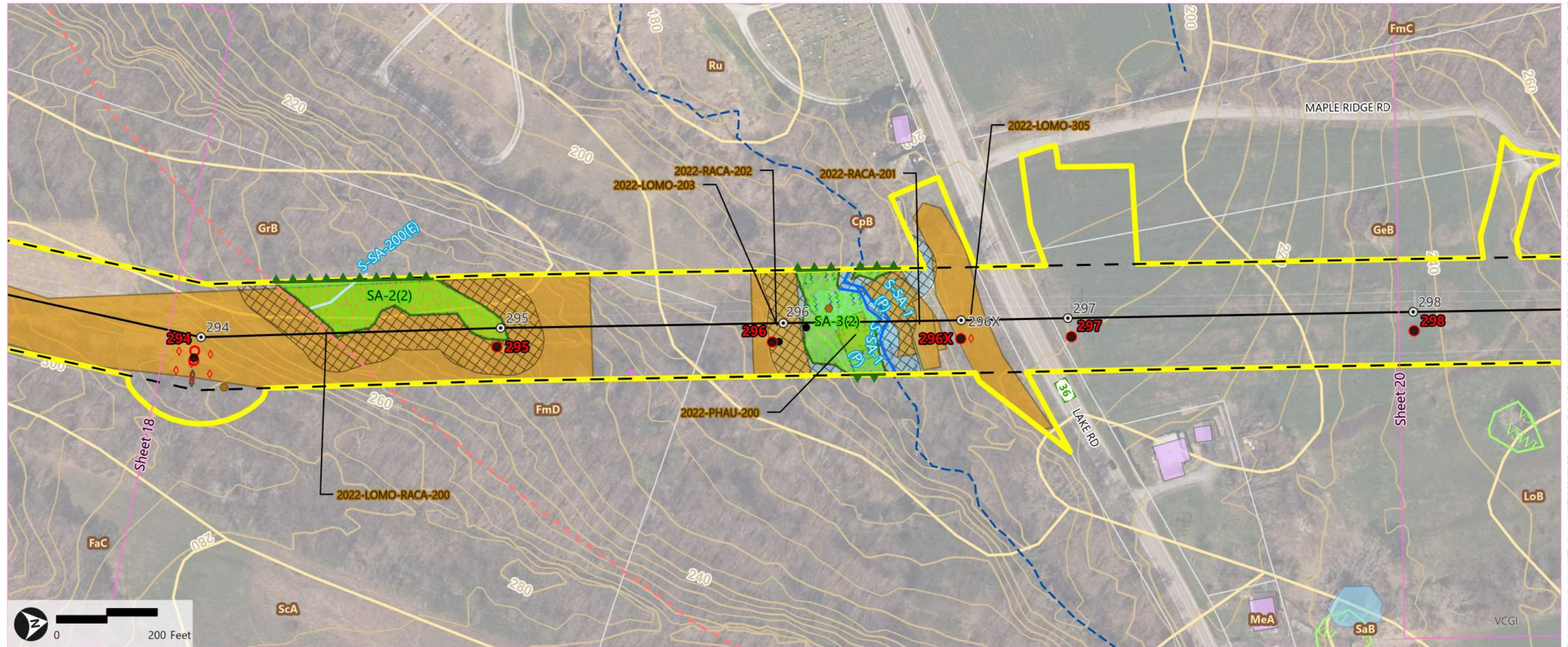


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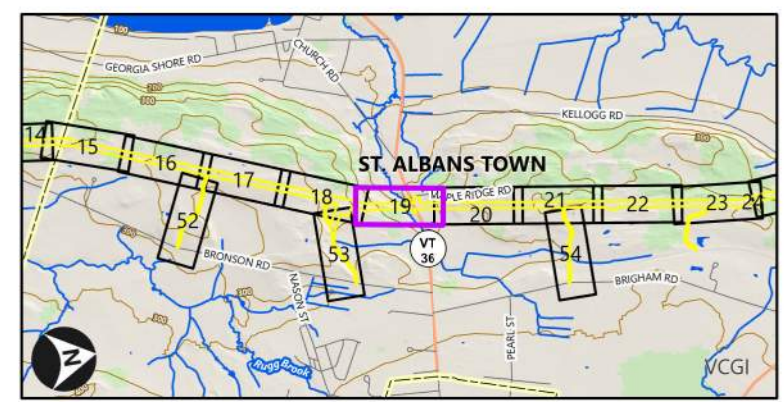
NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

Path: \\vhb.com\gis\proj\SBurrlington\58789.00 VELCO K42 Line Rebuild\Project\K42 Line NR\_rebuild\VELCO K42 Line NR\_rebuild.aprx (User: JTherrien, Date: 12/21/2023)



- |   |  |  |                                   |
|---|--|--|-----------------------------------|
| Study Area (VHB)                          | Existing Transmission Line (VELCO)     | Delineated Wetland (VHB/VELCO)         | Stream (ANR)                      |
| Sheet Outline (VHB)                       | Edge of ROW (Approx.) (VELCO)          | Class II Wetland Buffer - 50 ft. (VHB) | Waterbody (ANR)                   |
| Proposed Structures (248 Filing) (VELCO)  | VAST Trail (VCGI)                      | Wetland Extends (VHB)                  | VSWI Wetland (ANR)                |
| Proposed Structures (Dec 2023) (VELCO)    | Potential Roost Tree (VHB)             | Perennial Stream (VHB/VELCO)           | NRCS Soil Boundary (VCGI)         |
| Proposed Guy Anchors (248 Filing) (VELCO) | Wetland Determination Data Point (VHB) | Ephemeral Stream (VHB/VELCO)           | Building Roofprints (2016) (VCGI) |
| Proposed Guy Anchors (Dec 2023) (VELCO)   | NNIS - Point (VHB)                     | River Corridor (VHB)                   | Town Boundary (VCGI)              |
| Existing Structure (VELCO)                | NNIS - Polygon (VHB)                   | Riparian Stream Buffer (VHB)           | Parcel Boundary (VCGI)            |



Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

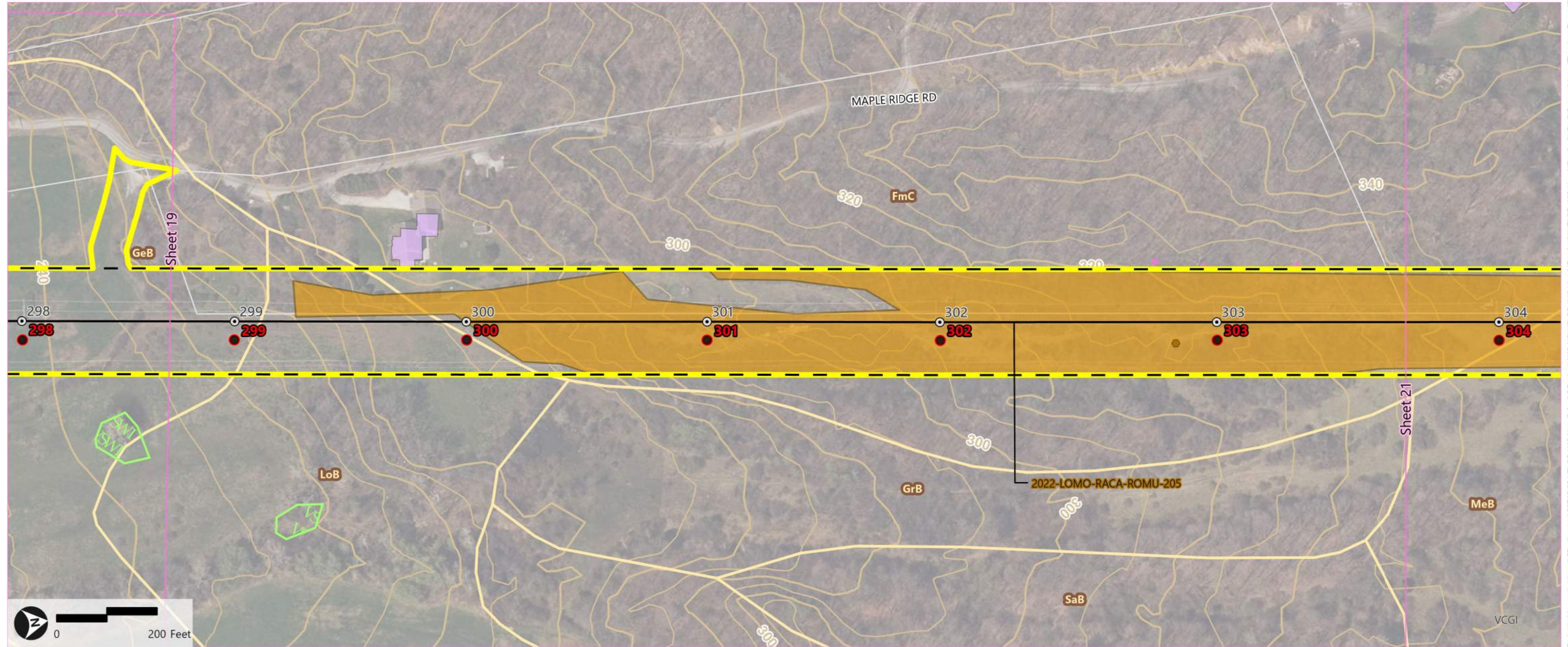
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# Natural Resources Map Series - Sheet 20 of 59

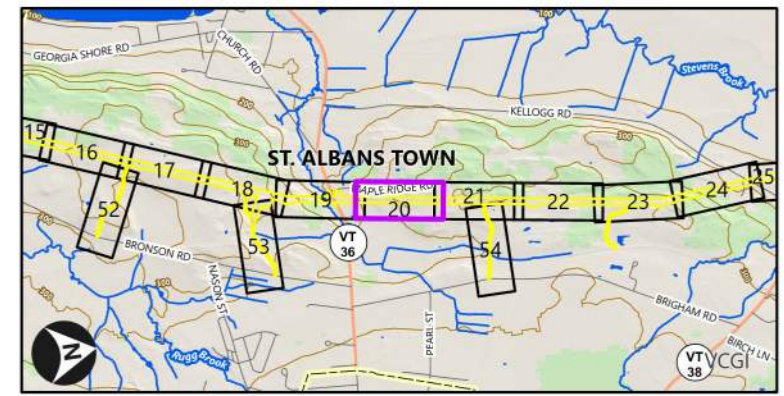
VELCO Franklin County Line Upgrade Project (FCLU) K-42 115 kV Line | Towns of Georgia, St. Albans, Swanton and Highgate, Vermont



December 21, 2023



- |  |                                    |                                   |
|--|------------------------------------|-----------------------------------|
| Study Area (VHB)                         | Existing Transmission Line (VELCO) | VSWI Wetland (ANR)                |
| Sheet Outline (VHB)                      | Edge of ROW (Approx.) (VELCO)      | NRCS Soil Boundary (VCGI)         |
| Proposed Structures (248 Filing) (VELCO) | Potential Roost Tree (VHB)         | Building Roofprints (2016) (VCGI) |
| Proposed Structures (Dec 2023) (VELCO)   | NNIS - Point (VHB)                 | Town Boundary (VCGI)              |
| Existing Structure (VELCO)               | NNIS - Polygon (VHB)               | Parcel Boundary (VCGI)            |



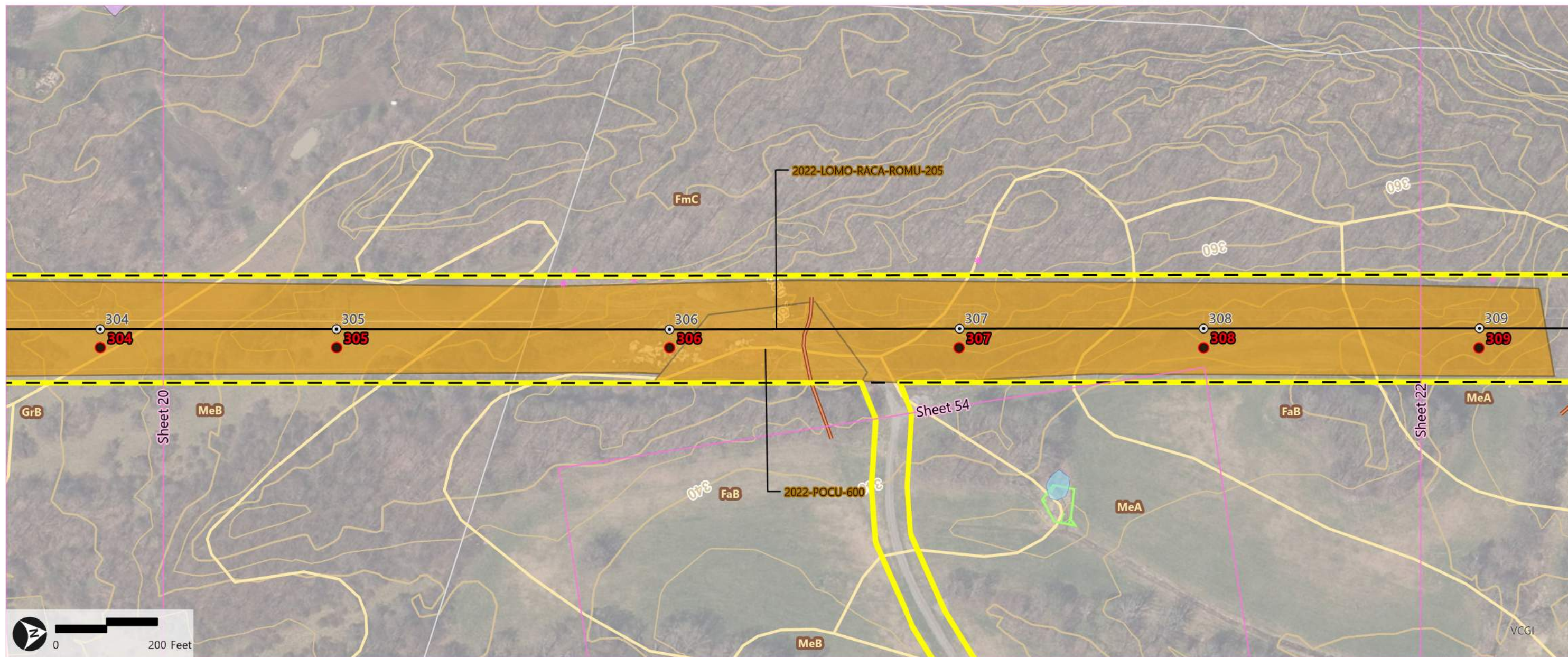
Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

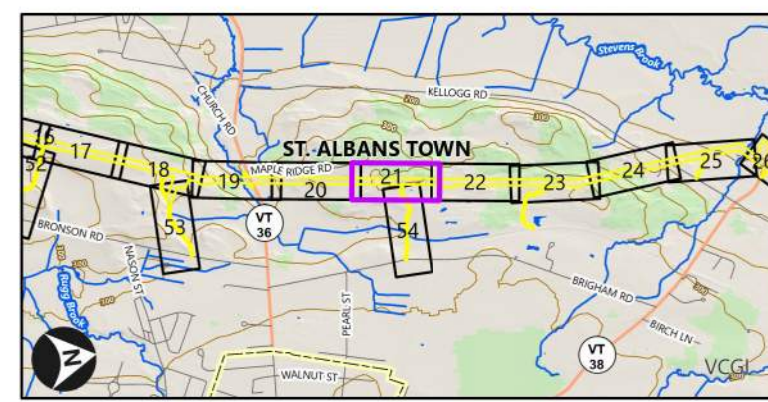
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- Study Area (VHB)
- \* Potential Roost Tree (VHB)
- Sheet Outline (VHB)
- NNIS - Polygon (VHB)
- Proposed Structures (248 Filing) (VELCO)
- Waterbody (ANR)
- Proposed Structures (Dec 2023) (VELCO)
- VSWI Wetland (ANR)
- ⊙ Existing Structure (VELCO)
- NRCS Soil Boundary (VCGI)
- Existing Transmission Line (VELCO)
- Building Footprints (2016) (VCGI)
- - Edge of ROW (Approx.) (VELCO)
- - Town Boundary (VCGI)
- Previously Identified Underground Infrastructure (VELCO)
- Parcel Boundary (VCGI)



Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K.Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

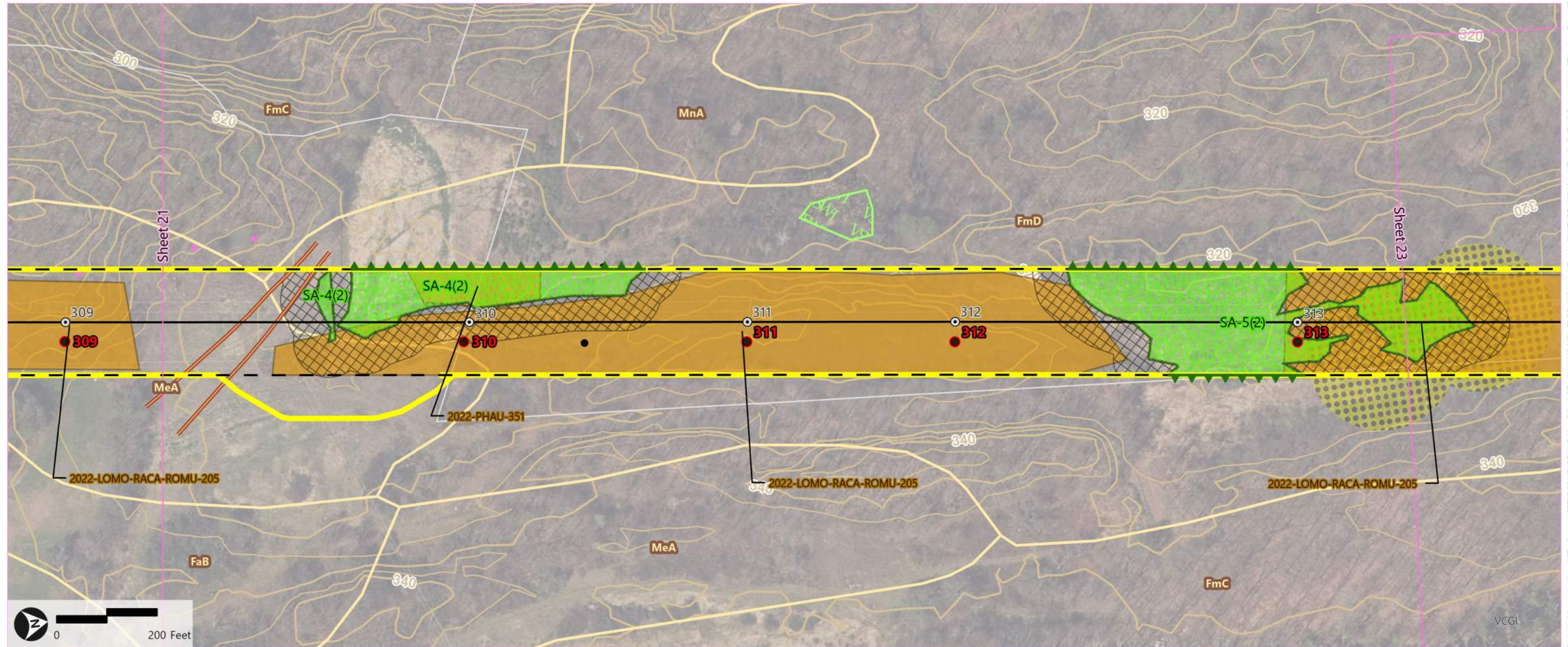
Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

# Natural Resources Map Series - Sheet 22 of 59

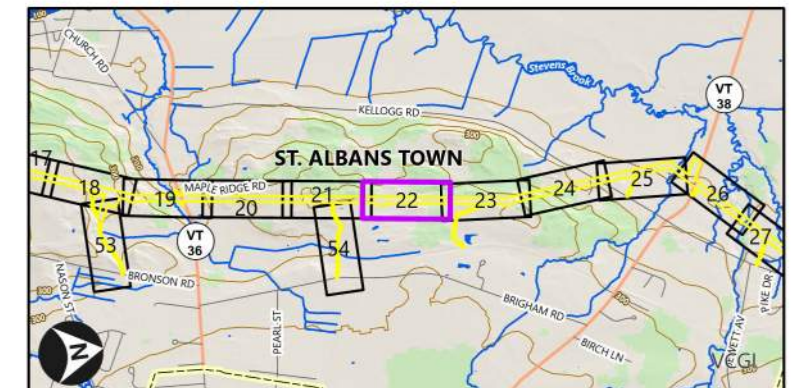
VELCO Franklin County Line Upgrade Project (FCLU) K-42 115 kV Line | Towns of Georgia, St. Albans, Swanton and Highgate, Vermont



December 21, 2023



- |  |  |                           |
|--|--|---------------------------|
| Study Area (VHB)                         | Previously Identified Underground Infrastructure (VELCO) | Wetland Extends (VHB)     |
| Sheet Outline (VHB)                      | Potential Roost Tree (VHB)                               | VSWI Wetland (ANR)        |
| Proposed Structures (248 Filing) (VELCO) | Wetland Determination Data Point (VHB)                   | NRCS Soil Boundary (VCGI) |
| Proposed Structures (Dec 2023) (VELCO)   | RTE (VHB/VELCO)  | Town Boundary (VCGI)      |
| Existing Structure (VELCO)               | NNIS - Polygon (VHB)                                     | Parcel Boundary (VCGI)    |
| Existing Transmission Line (VELCO)       | Delineated Wetland (VHB/VELCO)                           |                           |
| Edge of ROW (Approx.) (VELCO)            | Class II Wetland Buffer - 50 ft. (VHB)                   |                           |



Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTtrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

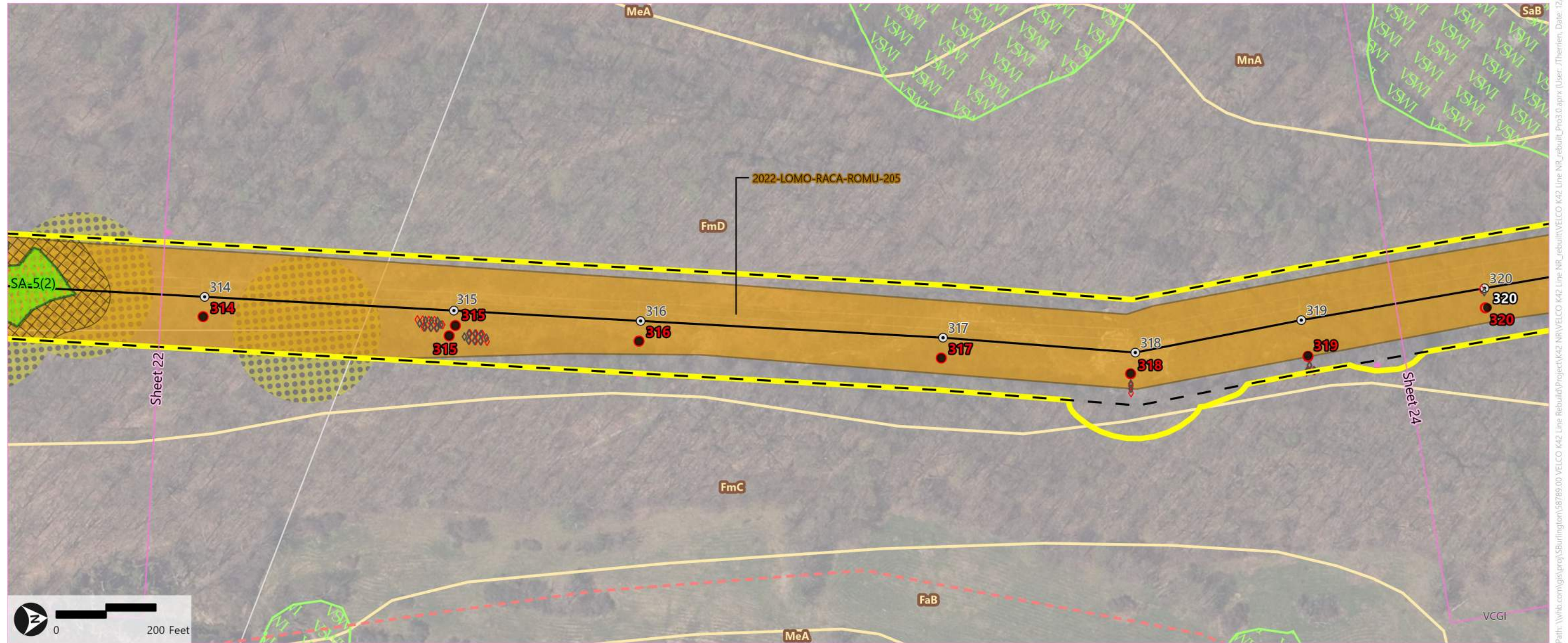
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Natural Resources Map Series - Sheet 23 of 59

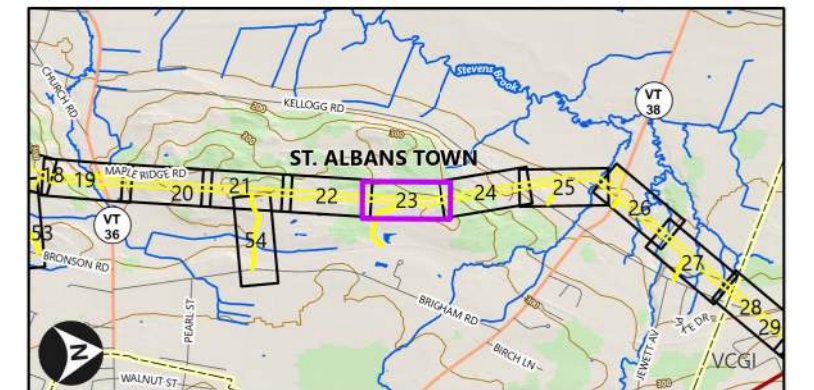
VELCO Franklin County Line Upgrade Project (FCLU) K-42 115 kV Line | Towns of Georgia, St. Albans, Swanton and Highgate, Vermont



December 21, 2023



- |   |                                    |  |
|---|------------------------------------|--|
| Study Area (VHB)                          | Existing Transmission Line (VELCO) | Class II Wetland Buffer - 50 ft. (VHB) |
| Sheet Outline (VHB)                       | Edge of ROW (Approx.) (VELCO)      | VSWI Wetland (ANR)                     |
| Proposed Structures (248 Filing) (VELCO)  | VAST Trail (VCGI)                  | NRCS Soil Boundary (VCGI)              |
| Proposed Structures (Dec 2023) (VELCO)    | Potential Roost Tree (VHB)         | Town Boundary (VCGI)                   |
| Proposed Guy Anchors (248 Filing) (VELCO) | RTE (VHB/VELCO)                    | Parcel Boundary (VCGI)                 |
| Proposed Guy Anchors (Dec 2023) (VELCO)   | NNIS - Polygon (VHB)               |  |
| Existing Structure (VELCO)                | Delineated Wetland (VHB/VELCO)     |  |



Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

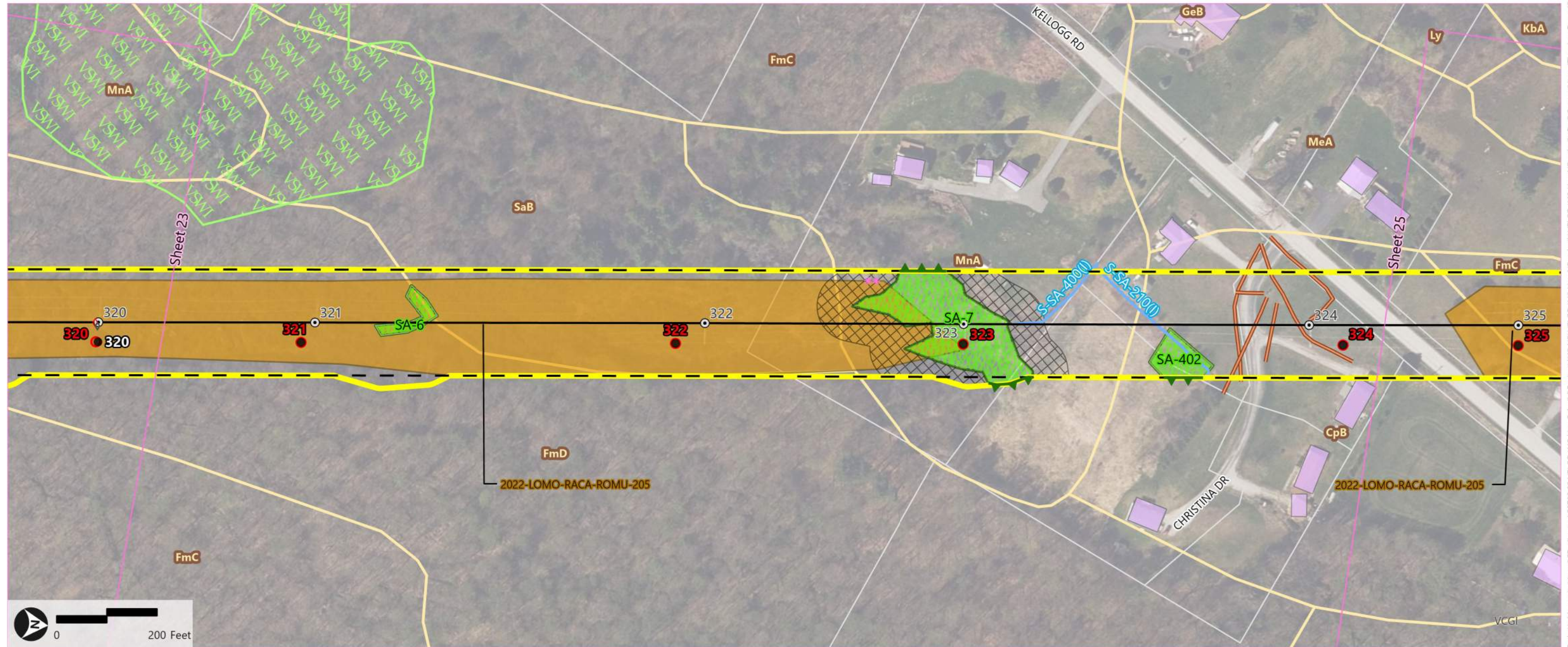
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# Natural Resources Map Series - Sheet 24 of 59

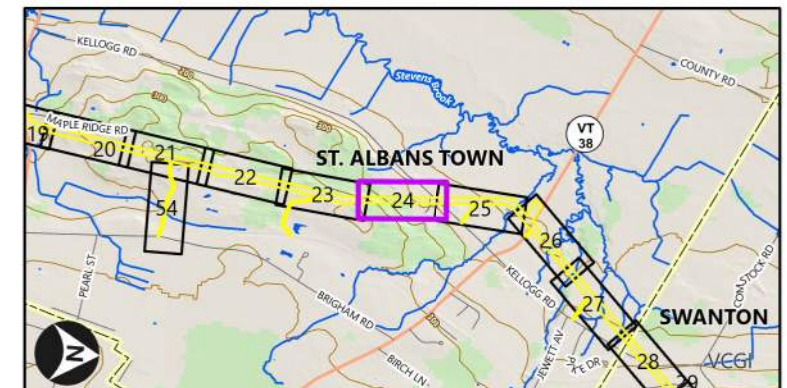
VELCO Franklin County Line Upgrade Project (FCLU) K-42 115 kV Line | Towns of Georgia, St. Albans, Swanton and Highgate, Vermont



December 21, 2023



- |   |  |                                   |
|---|--|-----------------------------------|
| Study Area (VHB)                          | Existing Transmission Line (VELCO)                       | Wetland Extends (VHB)             |
| Sheet Outline (VHB)                       | Edge of ROW (Approx.) (VELCO)                            | Intermittent Stream (VHB/VELCO)   |
| Proposed Structures (248 Filing) (VELCO)  | Previously Identified Underground Infrastructure (VELCO) | VSWI Wetland (ANR)                |
| Proposed Structures (Dec 2023) (VELCO)    | Potential Roost Tree (VHB)                               | NRCS Soil Boundary (VCGI)         |
| Proposed Guy Anchors (248 Filing) (VELCO) | NNIS - Polygon (VHB)                                     | Building Roofprints (2016) (VCGI) |
| Proposed Guy Anchors (Dec 2023) (VELCO)   | Delineated Wetland (VHB/VELCO)                           | Town Boundary (VCGI)              |
| Existing Structure (VELCO)                | Class II Wetland Buffer - 50 ft. (VHB)                   | Parcel Boundary (VCGI)            |

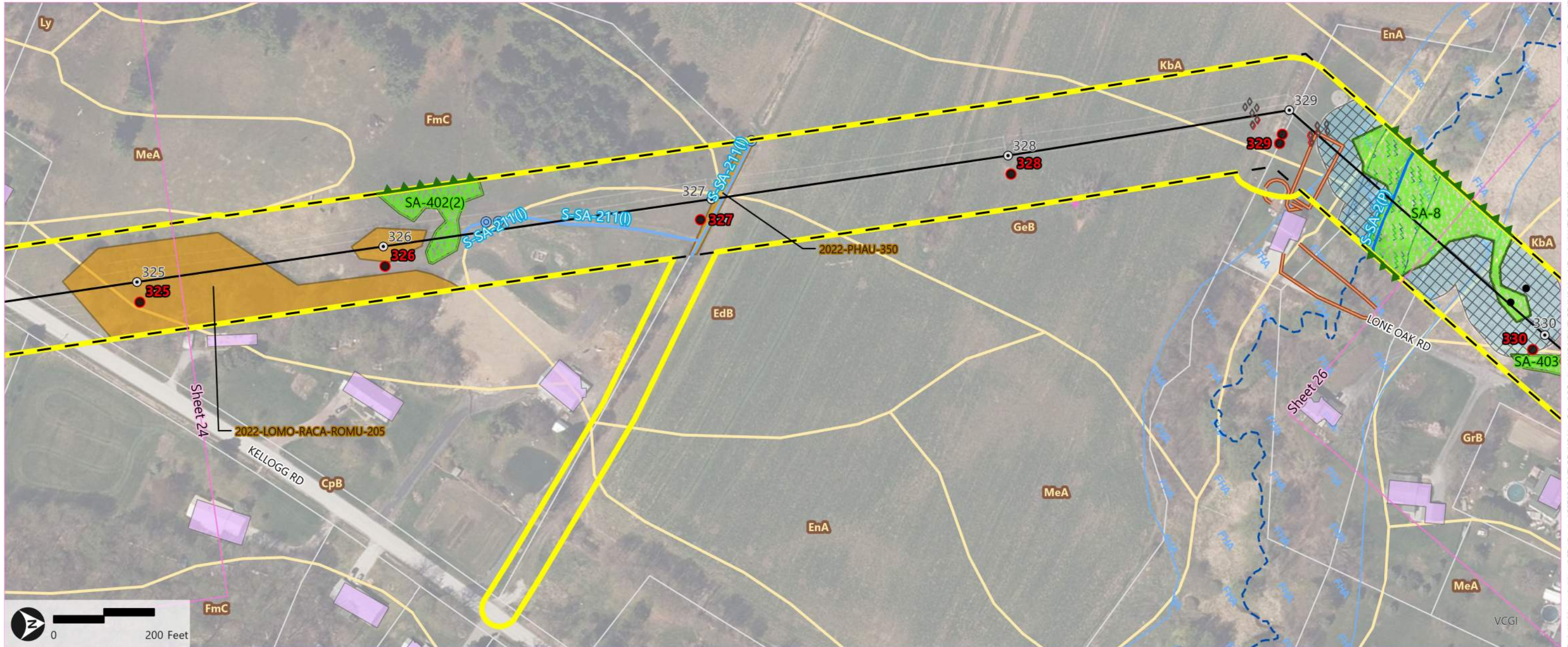


Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

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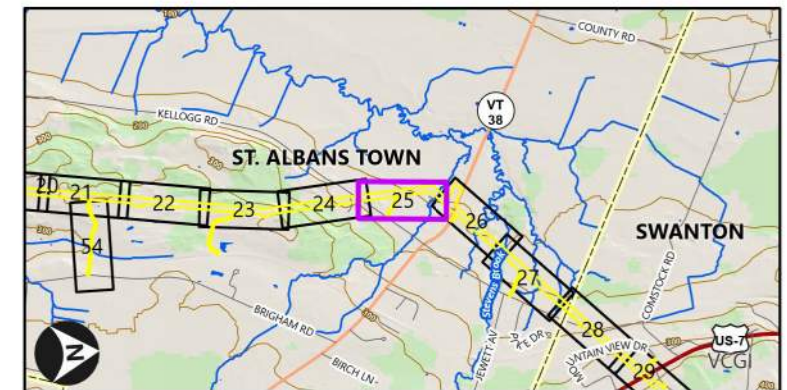


- |  |  |                                   |
|--|--|-----------------------------------|
| Study Area (VHB)   | Found Culvert (VHB)                    | River Corridor (VHB)              |
| Sheet Outline (VHB)                                      | Potential Roost Tree (VHB)             | Riparian Stream Buffer (VHB)      |
| Proposed Structures (248 Filing) (VELCO)                 | Wetland Determination Data Point (VHB) | Stream (ANR)                      |
| Proposed Structures (Dec 2023) (VELCO)                   | NNIS - Point (VHB)                     | FEMA Flood Zones (approx.) (NRPC) |
| Proposed Guy Anchors (248 Filing) (VELCO)                | NNIS - Polygon (VHB)                   | NRCS Soil Boundary (VCGI)         |
| Proposed Guy Anchors (Dec 2023) (VELCO)                  | Delineated Wetland (VHB/VELCO)         | Building Footprints (2016) (VCGI) |
| Existing Structure (VELCO)                               | Class II Wetland Buffer - 50 ft. (VHB) | Town Boundary (VCGI)              |
| Existing Transmission Line (VELCO)                       | Wetland Extends (VHB)                  | Parcel Boundary (VCGI)            |
| Edge of ROW (Approx.) (VELCO)                            | Perennial Stream (VHB/VELCO)           |                                   |
| Previously Identified Underground Infrastructure (VELCO) | Intermittent Stream (VHB/VELCO)        |                                   |

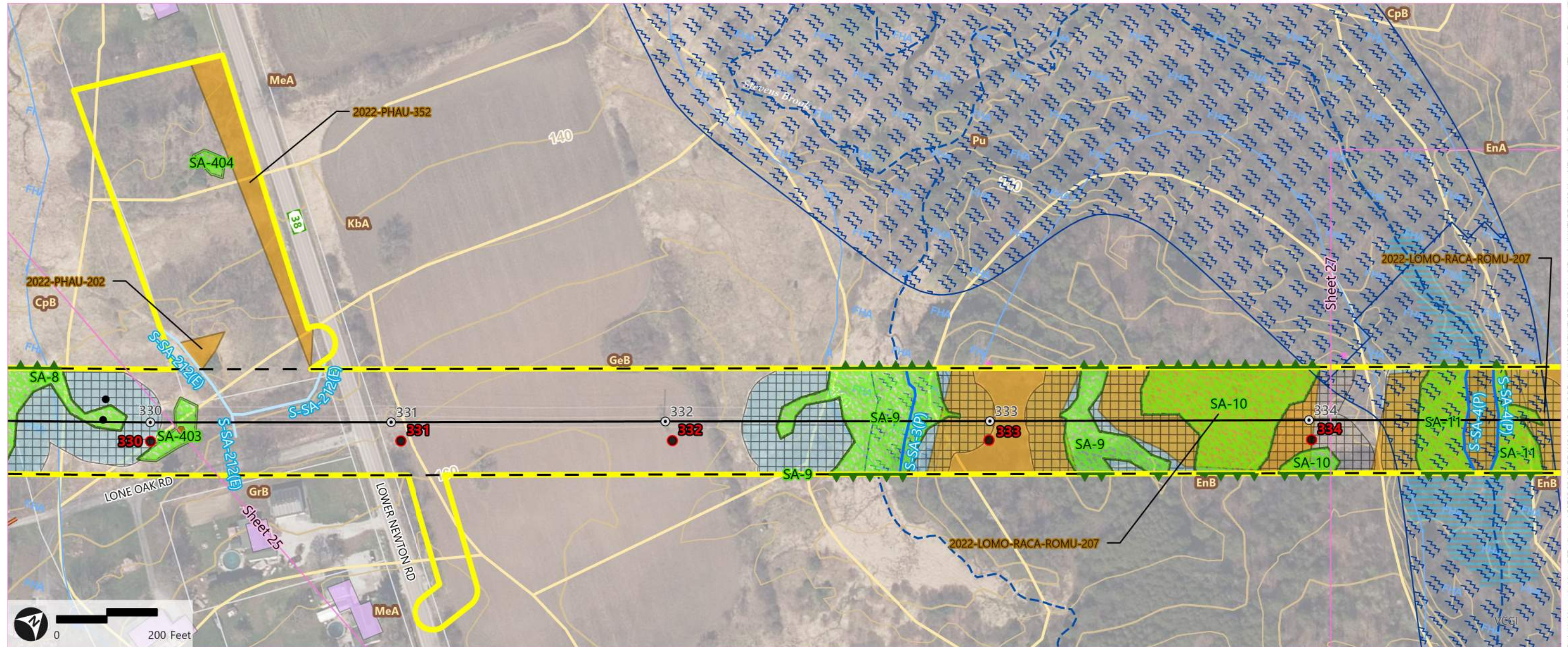
Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

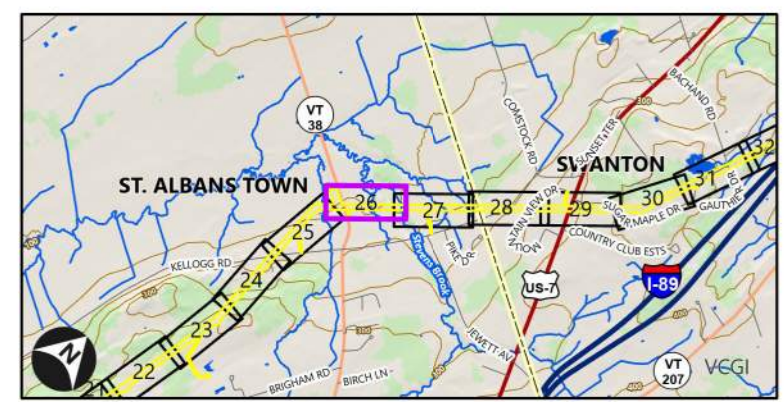
Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).



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|--|--|------------------------------------|
| Study Area (VHB)   | Wetland Determination Data Point (VHB) | Riparian Stream Buffer (VHB)       |
| Sheet Outline (VHB)                                      | NNIS - Point (VHB)                     | Stream (ANR)                       |
| Proposed Structures (248 Filing) (VELCO)                 | NNIS - Polygon (VHB)                   | River Corridor (ANR)               |
| Proposed Structures (Dec 2023) (VELCO)                   | Delineated Wetland (VHB/VELCO)         | FEMA Flood Zones (approx.) (NRPC)  |
| Existing Structure (VELCO)                               | Class II Wetland Buffer - 50 ft. (VHB) | Base Flood Elevation Extents (VHB) |
| Existing Transmission Line (VELCO)                       | Wetland Extends (VHB)                  | NRCS Soil Boundary (VCGI)          |
| Edge of ROW (Approx.) (VELCO)                            | Perennial Stream (VHB/VELCO)           | Building Footprints (2016) (VCGI)  |
| Previously Identified Underground Infrastructure (VELCO) | Ephemeral Stream (VHB/VELCO)           | Town Boundary (VCGI)               |
| Potential Roost Tree (VHB)                               | River Corridor (VHB)                   | Parcel Boundary (VCGI)             |

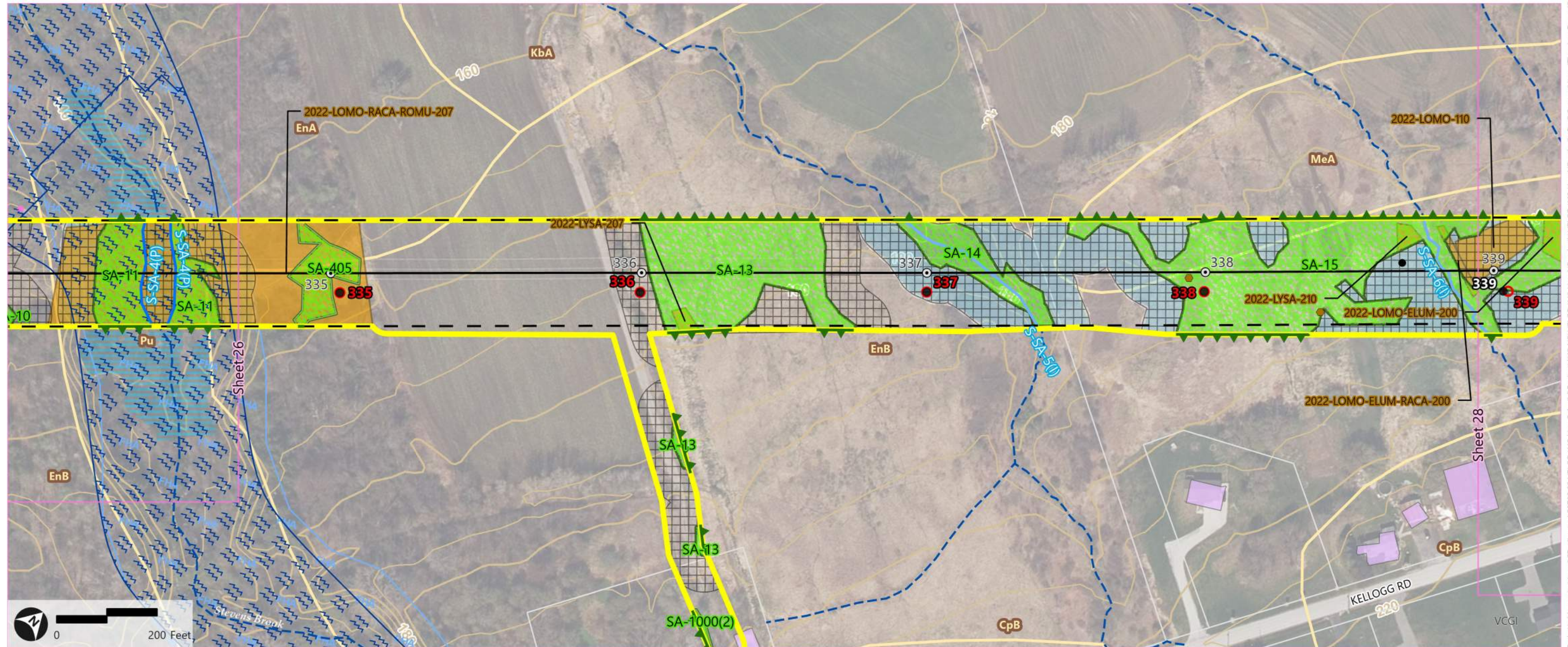


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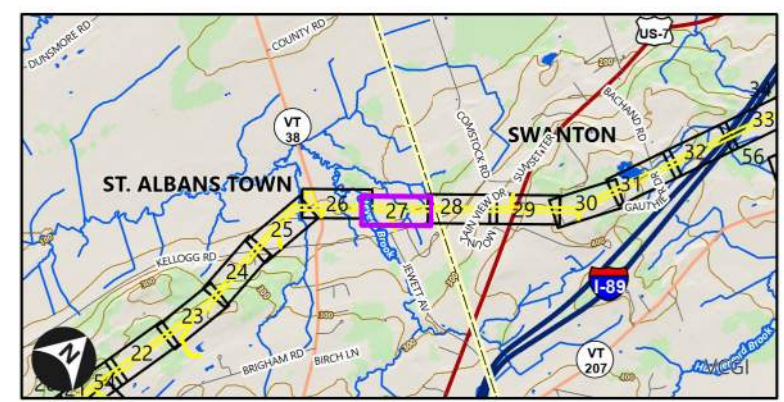
NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

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|--|--|------------------------------------|-----------------------------------|
| Study Area (VHB)                         | Potential Roost Tree (VHB)             | Perennial Stream (VHB/VELCO)       | NRCS Soil Boundary (VCGI)         |
| Sheet Outline (VHB)                      | Wetland Determination Data Point (VHB) | Intermittent Stream (VHB/VELCO)    | Building Footprints (2016) (VCGI) |
| Proposed Structures (248 Filing) (VELCO) | NNIS - Point (VHB)                     | Riparian Stream Buffer (VHB)       | Town Boundary (VCGI)              |
| Proposed Structures (Dec 2023) (VELCO)   | NNIS - Polygon (VHB)                   | Stream (ANR)                       | Parcel Boundary (VCGI)            |
| Existing Structure (VELCO)               | Delineated Wetland (VHB/VELCO)         | River Corridor (ANR)               |                                   |
| Existing Transmission Line (VELCO)       | Class II Wetland Buffer - 50 ft. (VHB) | FEMA Flood Zones (approx.) (NRPC)  |                                   |
| Edge of ROW (Approx.) (VELCO)            | Wetland Extends (VHB)                  | Base Flood Elevation Extents (VHB) |                                   |



Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

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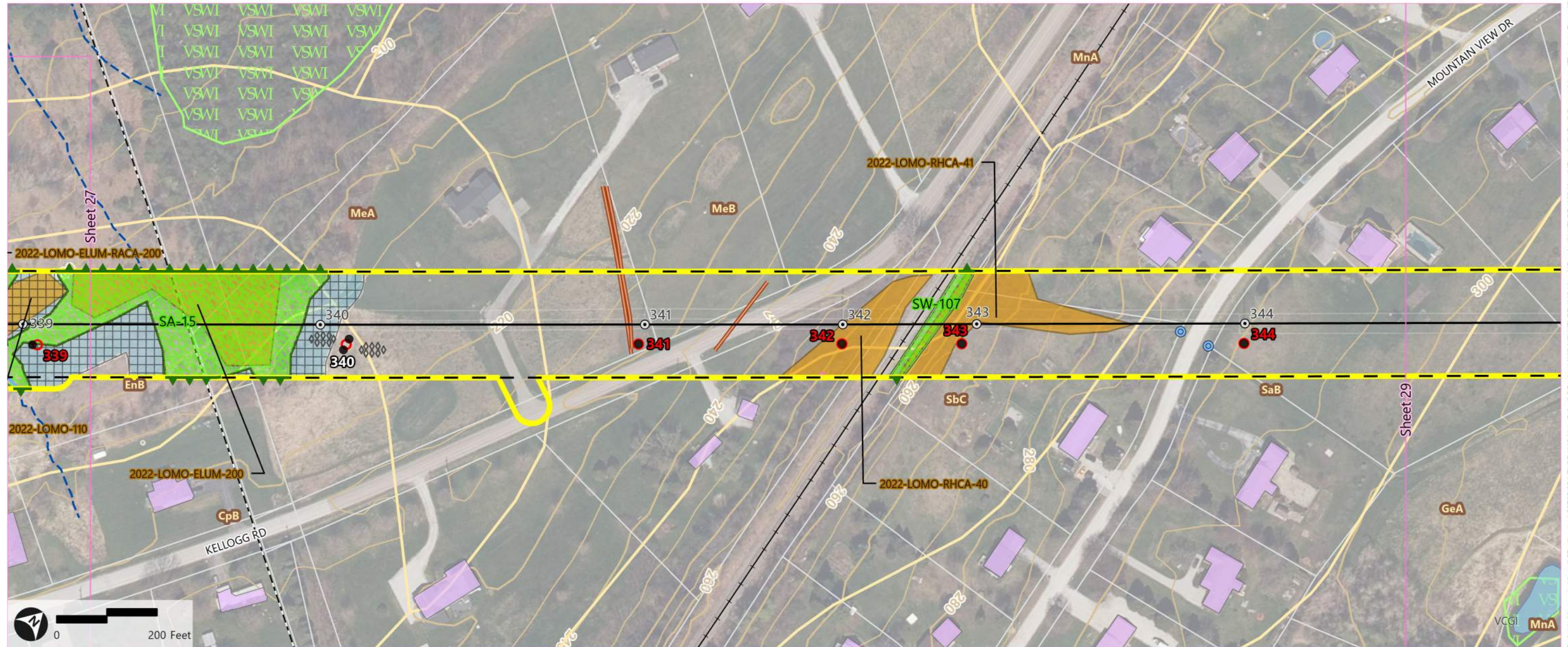
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Natural Resources Map Series - Sheet 28 of 59

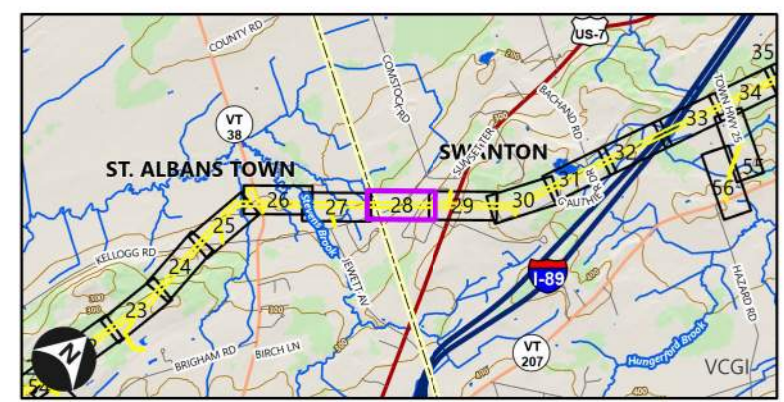
VELCO Franklin County Line Upgrade Project (FCLU) K-42 115 kV Line | Towns of Georgia, St. Albans, Swanton and Highgate, Vermont



December 21, 2023



- |  |  |                                   |
|--|--|-----------------------------------|
| Study Area (VHB)   | Found Culvert (VHB)                    | Waterbody (ANR)                   |
| Sheet Outline (VHB)                                      | Potential Roost Tree (VHB)             | VSWI Wetland (ANR)                |
| Proposed Structures (248 Filing) (VELCO)                 | NNIS - Polygon (VHB)                   | NRCS Soil Boundary (VCGI)         |
| Proposed Structures (Dec 2023) (VELCO)                   | Delineated Wetland (VHB/VELCO)         | Building Footprints (2016) (VCGI) |
| Proposed Guy Anchors (248 Filing) (VELCO)                | Class II Wetland Buffer - 50 ft. (VHB) | Town Boundary (VCGI)              |
| Existing Structure (VELCO)                               | Wetland Extends (VHB)                  | Parcel Boundary (VCGI)            |
| Existing Transmission Line (VELCO)                       | Intermittent Stream (VHB/VELCO)        | Railroad Lines (VTrans)           |
| Edge of ROW (Approx.) (VELCO)                            | Riparian Stream Buffer (VHB)           |                                   |
| Previously Identified Underground Infrastructure (VELCO) | Stream (ANR)                           |                                   |



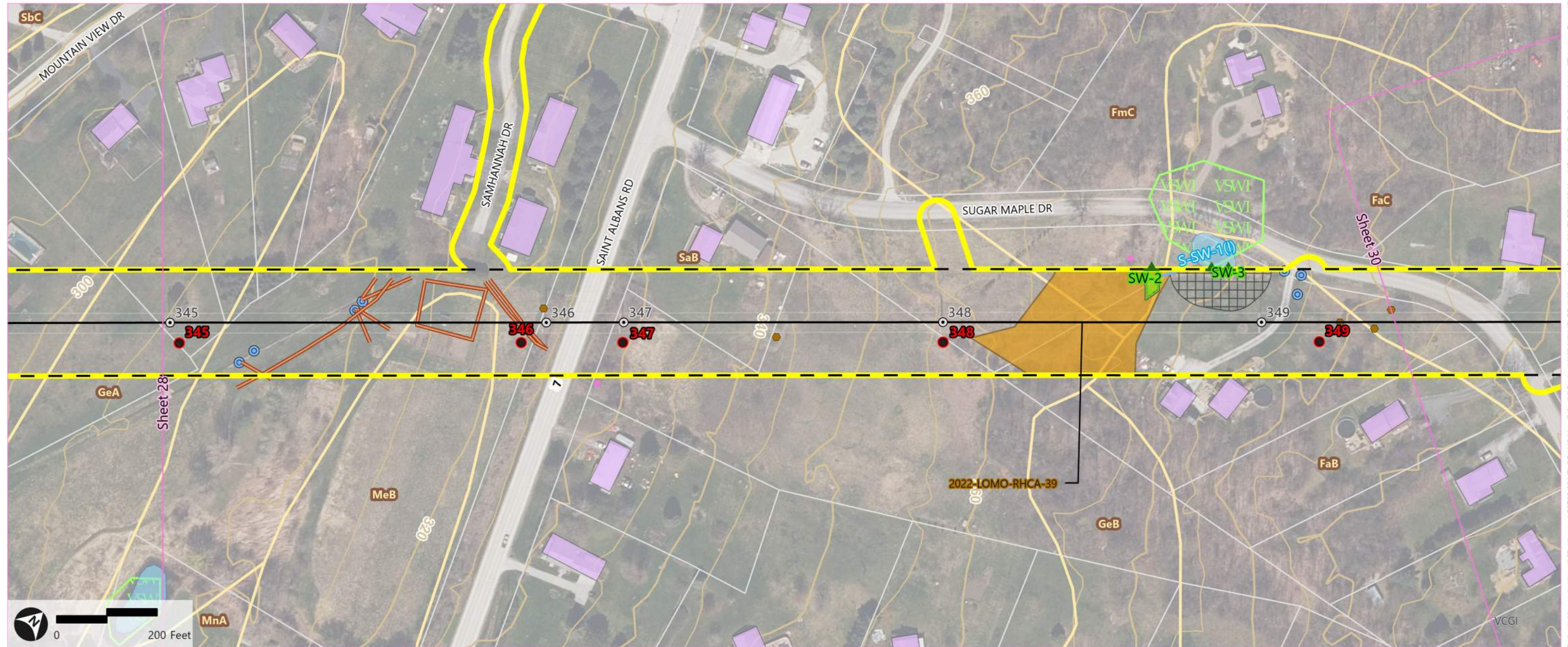
Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

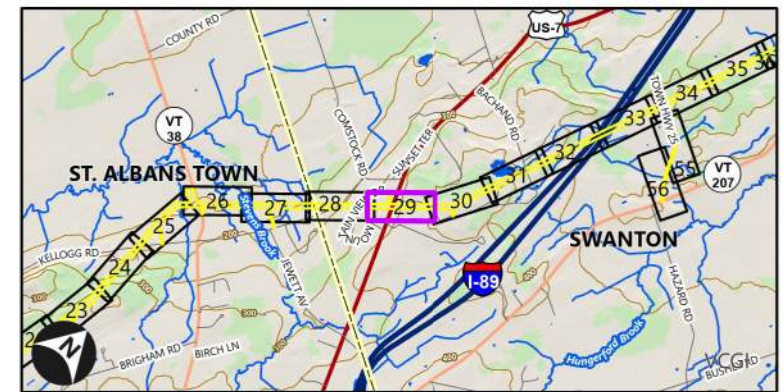
Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

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|--|---------------------------------|-----------------------------------|
| Study Area (VHB)   | Found Culvert (VHB)             | Waterbody (ANR)                   |
| Sheet Outline (VHB)                                      | Potential Roost Tree (VHB)      | VSWI Wetland (ANR)                |
| Proposed Structures (248 Filing) (VELCO)                 | NNIS - Point (VHB)              | NRCS Soil Boundary (VCGI)         |
| Proposed Structures (Dec 2023) (VELCO)                   | NNIS - Polygon (VHB)            | Building Footprints (2016) (VCGI) |
| Existing Structure (VELCO)                               | Delineated Wetland (VHB/VELCO)  | Town Boundary (VCGI)              |
| Existing Transmission Line (VELCO)                       | Wetland Extends (VHB)           | Parcel Boundary (VCGI)            |
| Edge of ROW (Approx.) (VELCO)                            | Intermittent Stream (VHB/VELCO) |                                   |
| Previously Identified Underground Infrastructure (VELCO) |                                 |                                   |

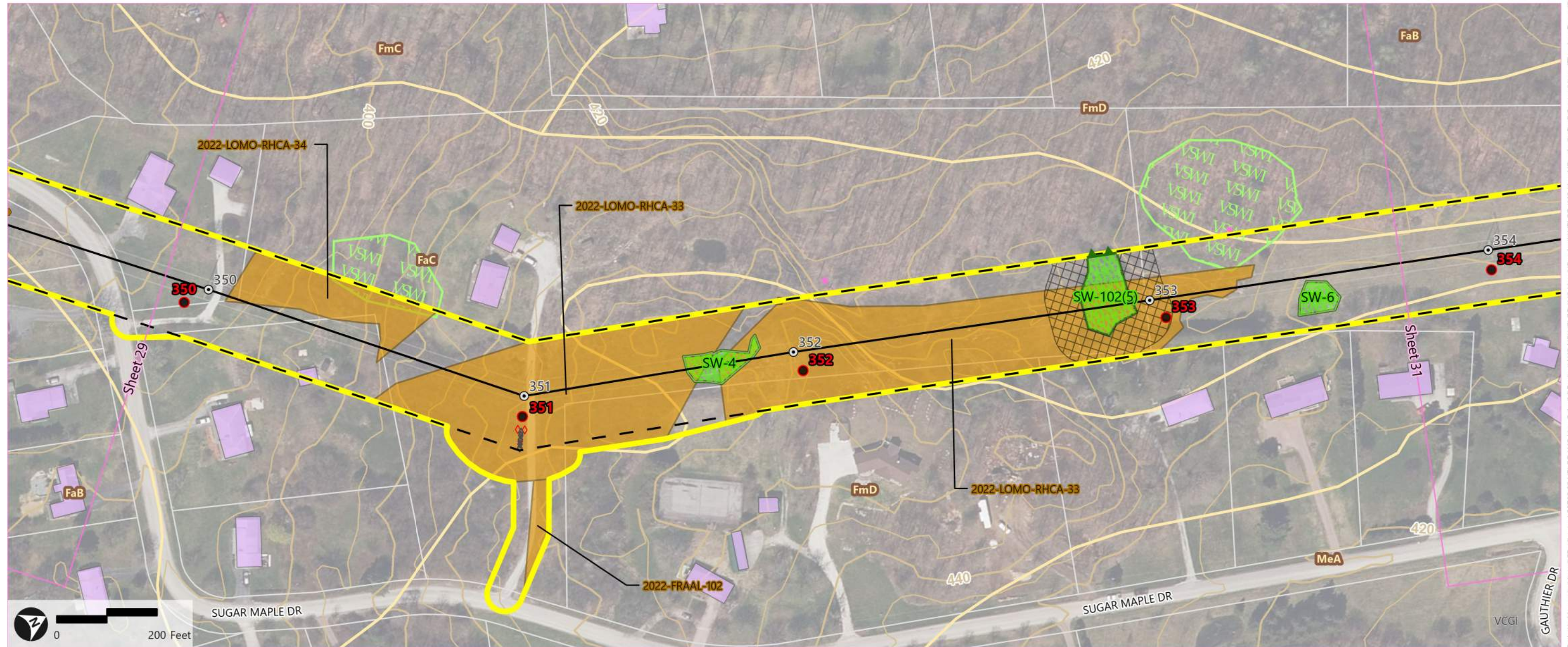


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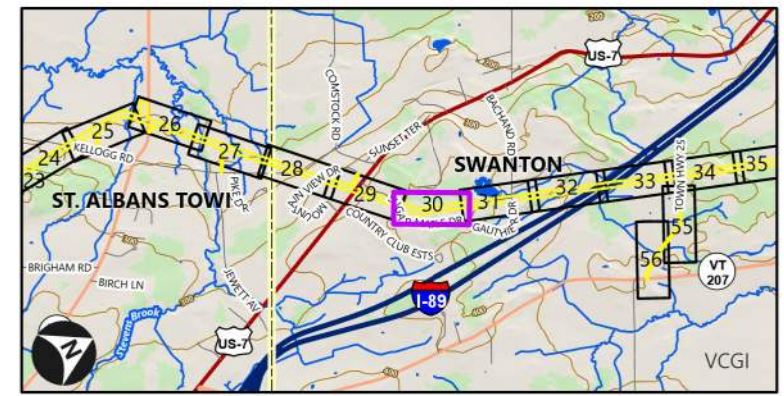
NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTtrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

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|---|--|-----------------------------------|
| Study Area (VHB)                          | Existing Transmission Line (VELCO)     | Wetland Extends (VHB)             |
| Sheet Outline (VHB)                       | Edge of ROW (Approx.) (VELCO)          | VSWI Wetland (ANR)                |
| Proposed Structures (248 Filing) (VELCO)  | Potential Roost Tree (VHB)             | NRCS Soil Boundary (VCGI)         |
| Proposed Structures (Dec 2023) (VELCO)    | NNIS - Point (VHB)                     | Building Roofprints (2016) (VCGI) |
| Proposed Guy Anchors (248 Filing) (VELCO) | NNIS - Polygon (VHB)                   | Town Boundary (VCGI)              |
| Proposed Guy Anchors (Dec 2023) (VELCO)   | Delineated Wetland (VHB/VELCO)         | Parcel Boundary (VCGI)            |
| Existing Structure (VELCO)                | Class II Wetland Buffer - 50 ft. (VHB) |                                   |



Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

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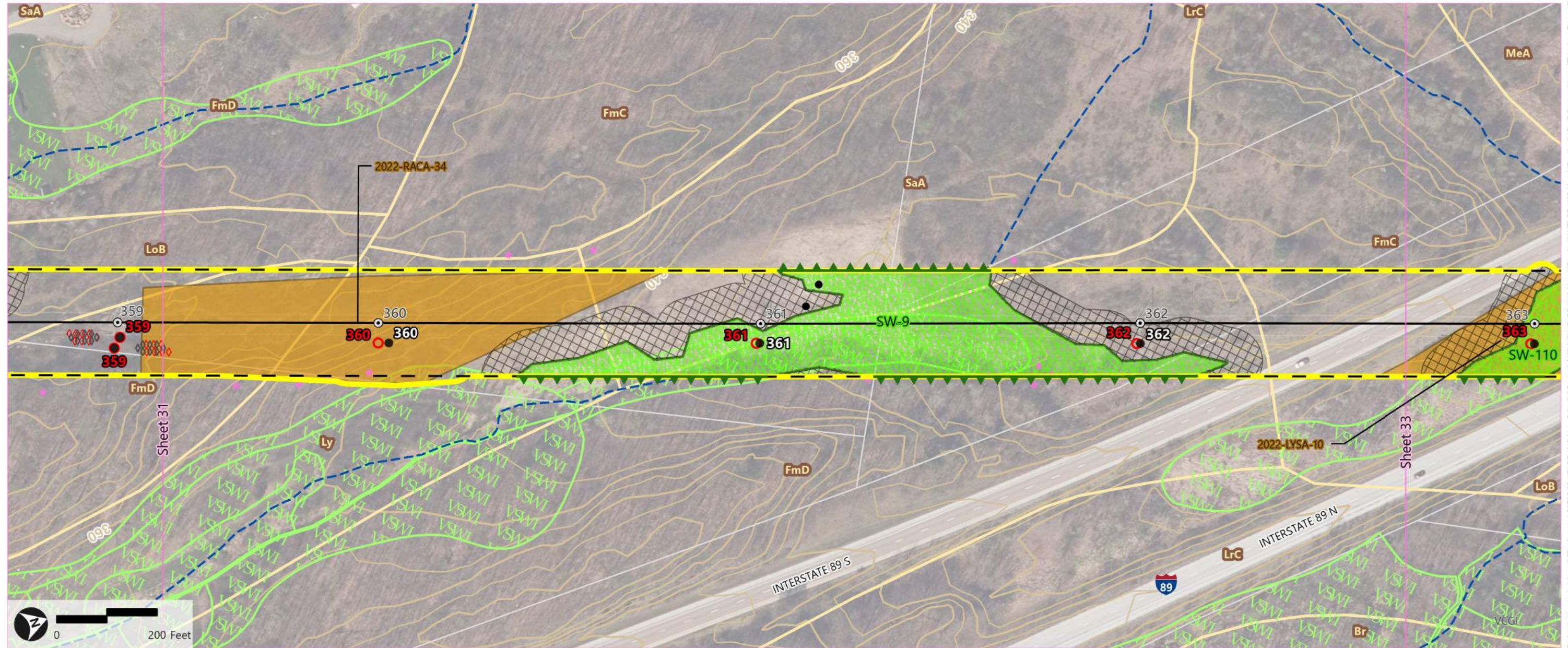


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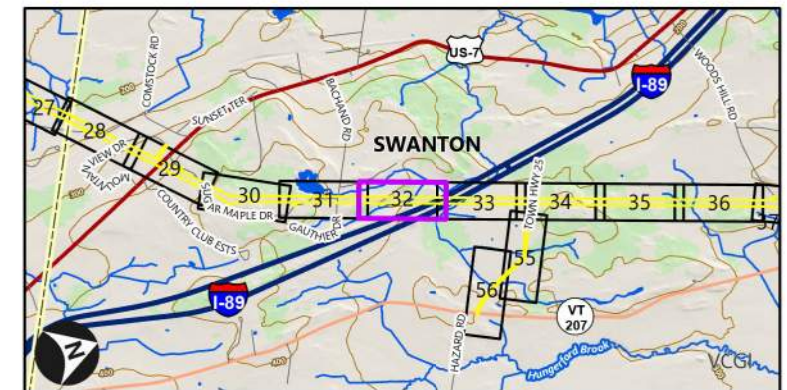
VELCO Franklin County Line Upgrade Project (FCLU) K-42 115 kV Line | Towns of Georgia, St. Albans, Swanton and Highgate, Vermont



December 21, 2023



- |   |  |                           |
|---|--|---------------------------|
| Study Area (VHB)                          | Existing Transmission Line (VELCO)     | Wetland Extends (VHB)     |
| Sheet Outline (VHB)                       | Edge of ROW (Approx.) (VELCO)          | Stream (ANR)              |
| Proposed Structures (248 Filing) (VELCO)  | Potential Roost Tree (VHB)             | VSWI Wetland (ANR)        |
| Proposed Structures (Dec 2023) (VELCO)    | Wetland Determination Data Point (VHB) | NRCS Soil Boundary (VCGI) |
| Proposed Guy Anchors (248 Filing) (VELCO) | NNIS - Polygon (VHB)                   | Town Boundary (VCGI)      |
| Proposed Guy Anchors (Dec 2023) (VELCO)   | Delineated Wetland (VHB/VELCO)         | Parcel Boundary (VCGI)    |
| Existing Structure (VELCO)                | Class II Wetland Buffer - 50 ft. (VHB) |                           |



Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

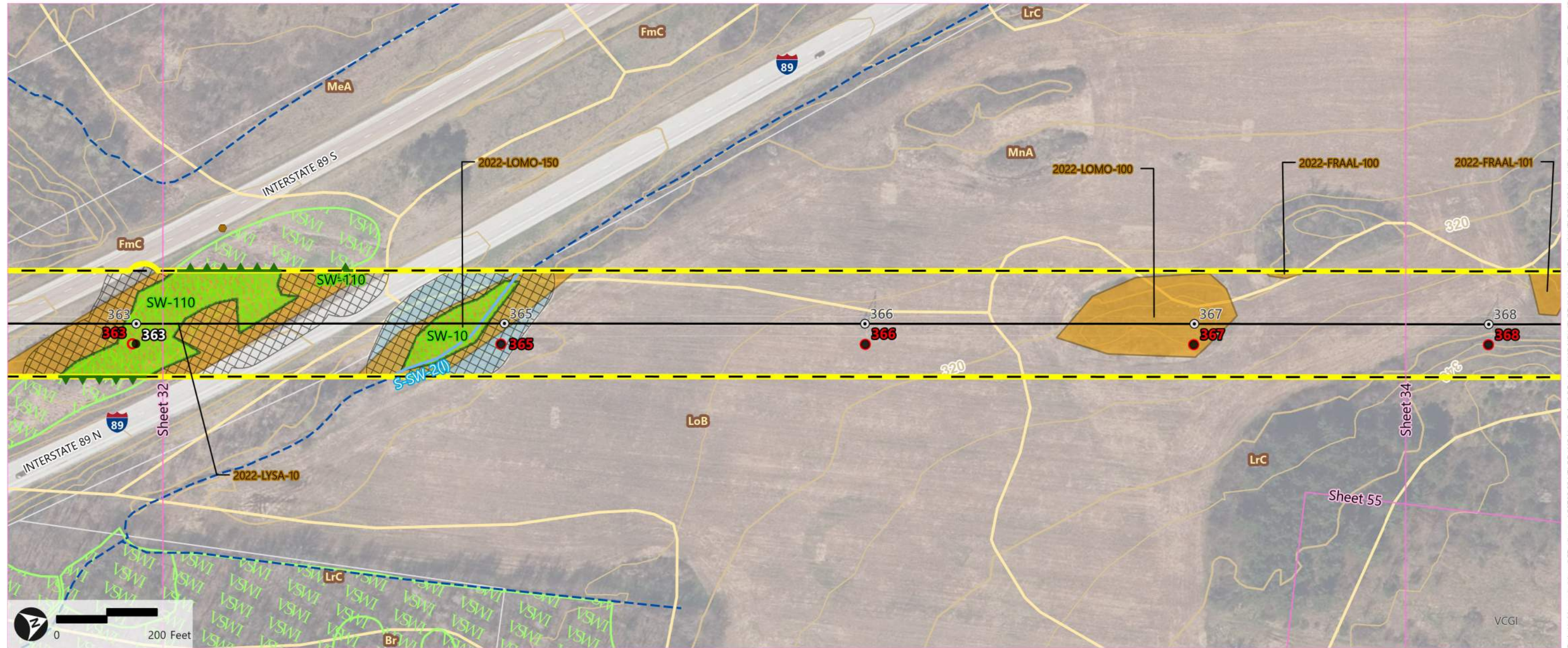
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Natural Resources Map Series - Sheet 33 of 59

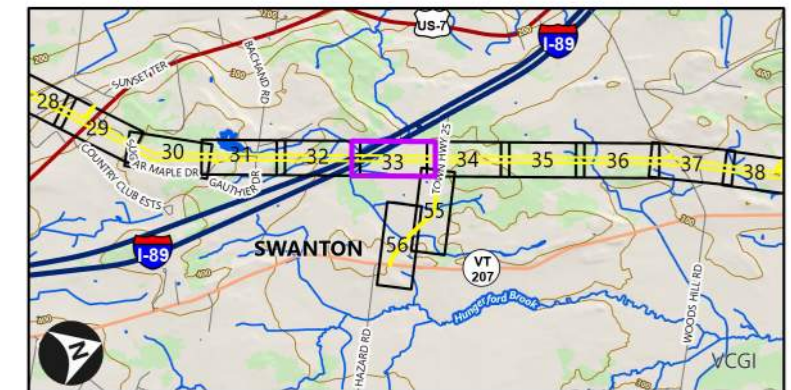
VELCO Franklin County Line Upgrade Project (FCLU) K-42 115 kV Line | Towns of Georgia, St. Albans, Swanton and Highgate, Vermont



December 21, 2023



- |  |  |                           |
|--|--|---------------------------|
| Study Area (VHB)                         | NNIS - Point (VHB)                     | Stream (ANR)              |
| Sheet Outline (VHB)                      | NNIS - Polygon (VHB)                   | VSWI Wetland (ANR)        |
| Proposed Structures (248 Filing) (VELCO) | Delineated Wetland (VHB/VELCO)         | NRCS Soil Boundary (VCGI) |
| Proposed Structures (Dec 2023) (VELCO)   | Class II Wetland Buffer - 50 ft. (VHB) | Town Boundary (VCGI)      |
| Existing Structure (VELCO)               | Wetland Extends (VHB)                  | Parcel Boundary (VCGI)    |
| Existing Transmission Line (VELCO)       | Intermittent Stream (VHB/VELCO)        |                           |
| Edge of ROW (Approx.) (VELCO)            | Riparian Stream Buffer (VHB)           |                           |



Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

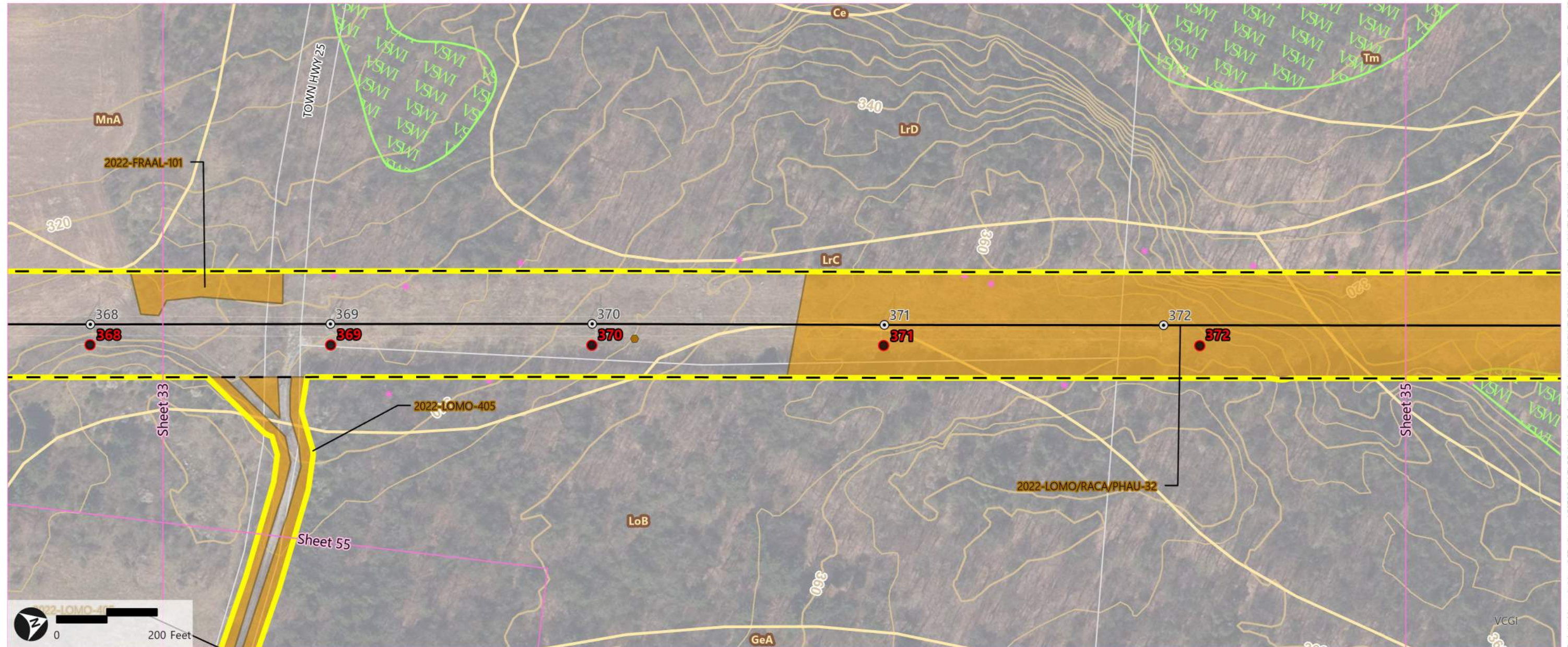
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Natural Resources Map Series - Sheet 34 of 59

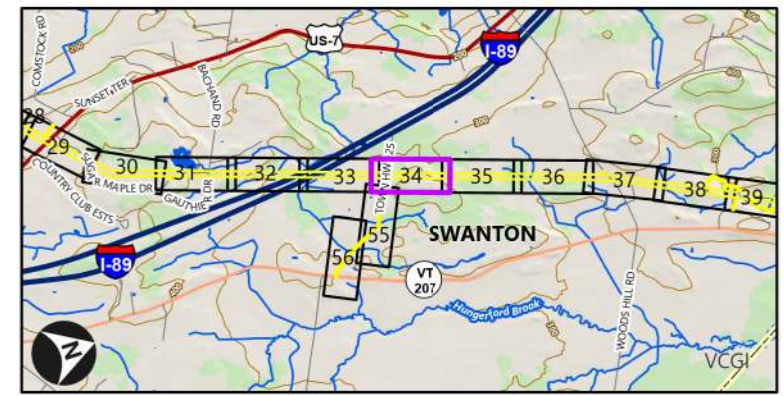
VELCO Franklin County Line Upgrade Project (FCLU) K-42 115 kV Line | Towns of Georgia, St. Albans, Swanton and Highgate, Vermont



December 21, 2023



- |  |                                    |                           |
|--|------------------------------------|---------------------------|
| Study Area (VHB)                         | Existing Transmission Line (VELCO) | VSWI Wetland (ANR)        |
| Sheet Outline (VHB)                      | Edge of ROW (Approx.) (VELCO)      | NRCS Soil Boundary (VCGI) |
| Proposed Structures (248 Filing) (VELCO) | Potential Roost Tree (VHB)         | Town Boundary (VCGI)      |
| Proposed Structures (Dec 2023) (VELCO)   | NNIS - Point (VHB)                 | Parcel Boundary (VCGI)    |
| Existing Structure (VELCO)               | NNIS - Polygon (VHB)               |                           |

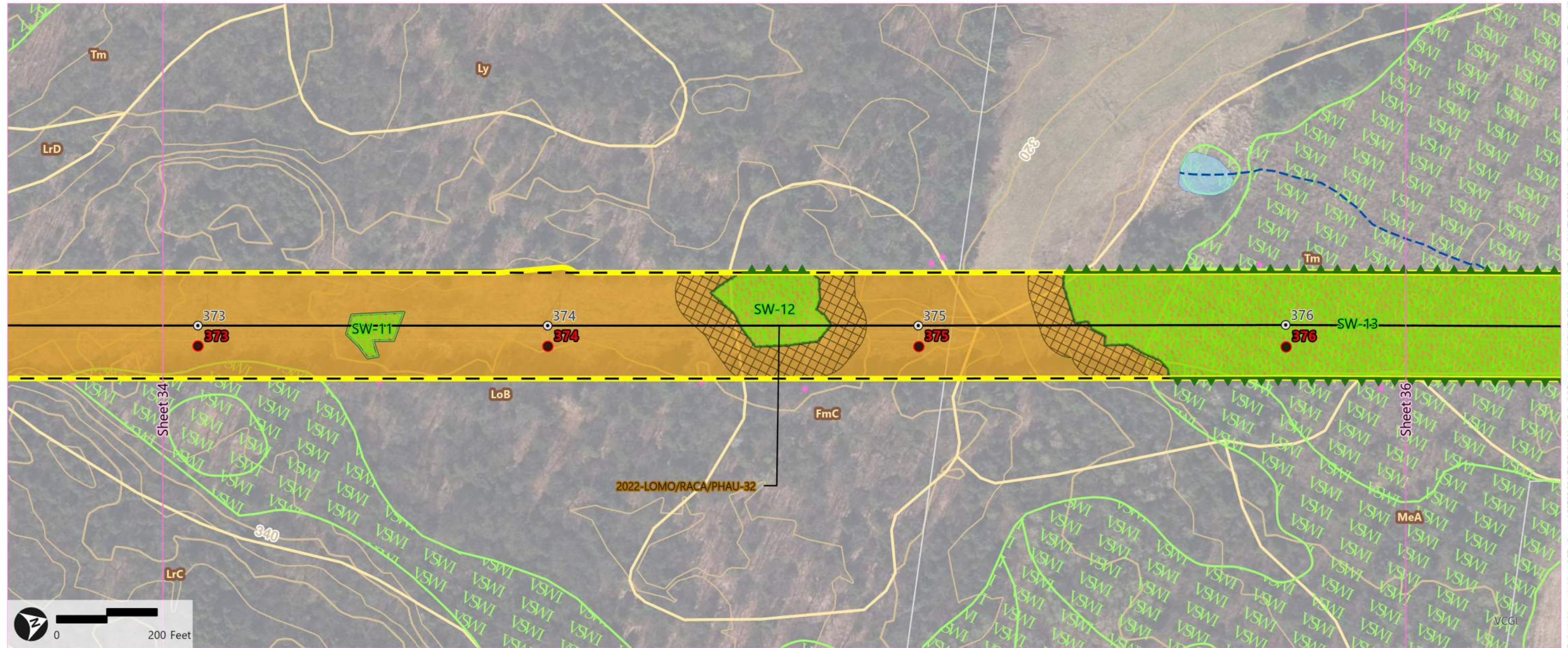


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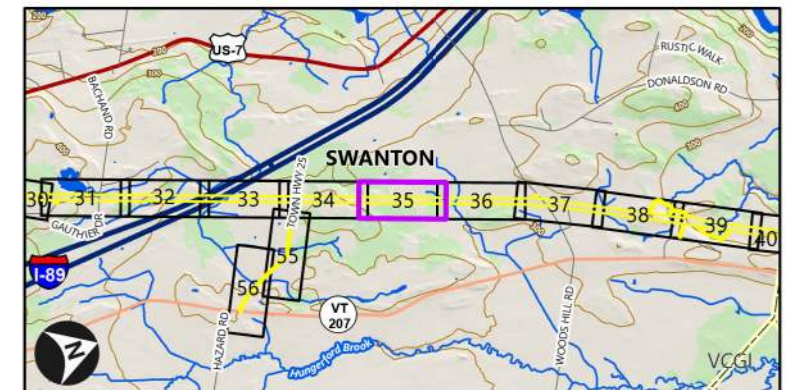
NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

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- |  |  |                           |
|--|--|---------------------------|
| Study Area (VHB)                         | Edge of ROW (Approx.) (VELCO)          | Stream (ANR)              |
| Sheet Outline (VHB)                      | Potential Roost Tree (VHB)             | Waterbody (ANR)           |
| Proposed Structures (248 Filing) (VELCO) | NNIS - Polygon (VHB)                   | VSWI Wetland (ANR)        |
| Proposed Structures (Dec 2023) (VELCO)   | Delineated Wetland (VHB/VELCO)         | NRCS Soil Boundary (VCGI) |
| Existing Structure (VELCO)               | Class II Wetland Buffer - 50 ft. (VHB) | Town Boundary (VCGI)      |
| Existing Transmission Line (VELCO)       | Wetland Extends (VHB)                  | Parcel Boundary (VCGI)    |

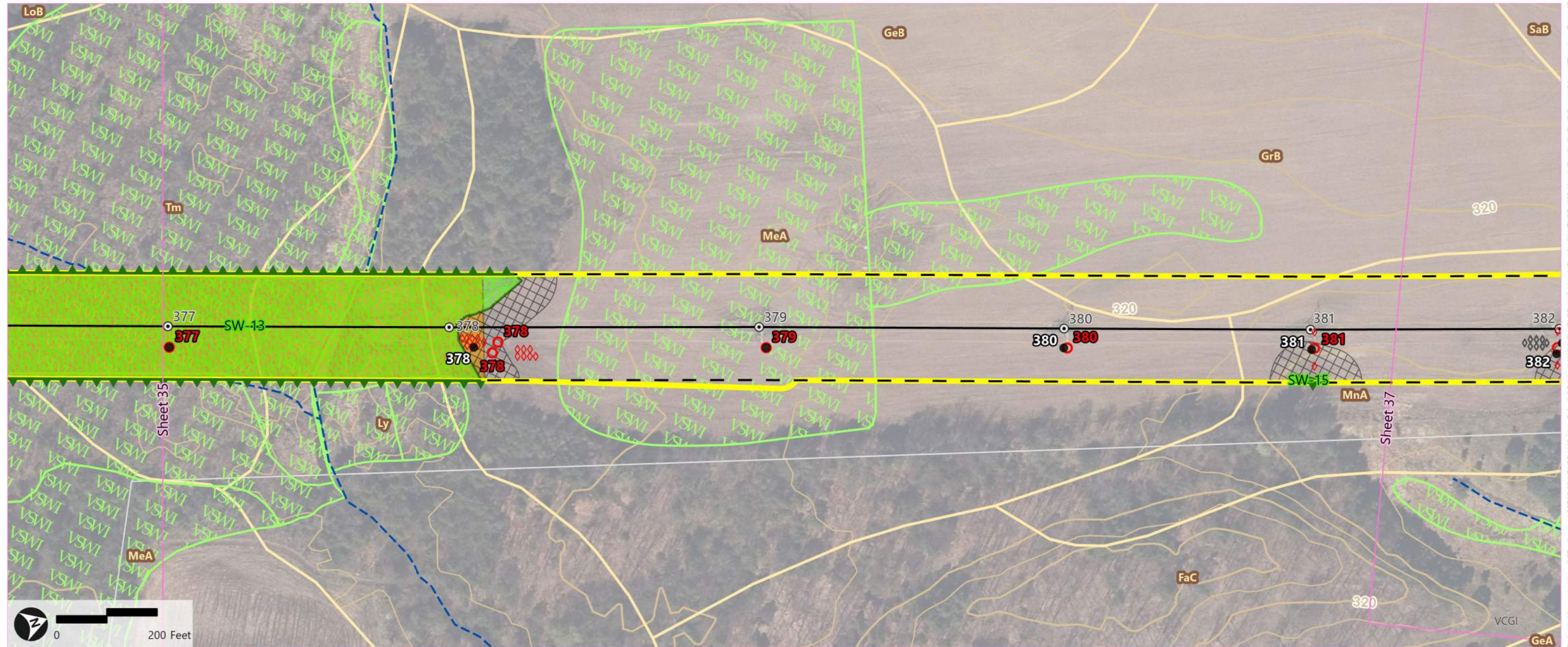


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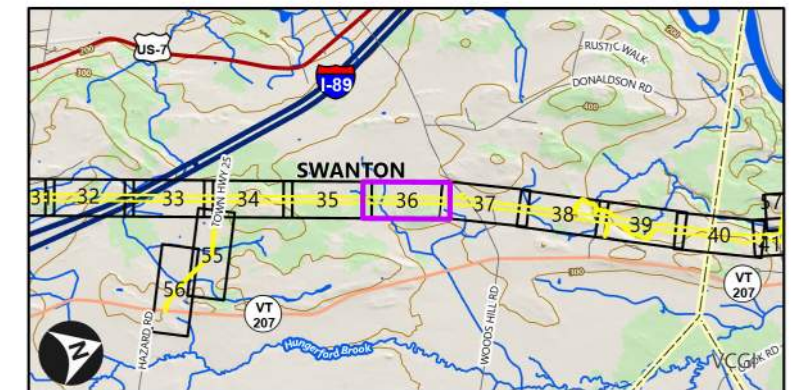
NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

Path: \\vhb.com\gis\proj\SBuriffington\58789.00 VELCO K42 Line Rebuild\Project\K42 Line NR\_rebuild\VELCO K42 Line NR\_rebuild.aprx (User: JTherrien, Date: 12/21/2023)



- |   |  |                           |
|---|--|---------------------------|
| Study Area (VHB)                          | Existing Structure (VELCO)             | Wetland Extends (VHB)     |
| Sheet Outline (VHB)                       | Existing Transmission Line (VELCO)     | Stream (ANR)              |
| Proposed Structures (248 Filing) (VELCO)  | Edge of ROW (Approx.) (VELCO)          | VSWI Wetland (ANR)        |
| Proposed Structures (Dec 2023) (VELCO)    | NNIS - Polygon (VHB)                   | NRCS Soil Boundary (VCGI) |
| Proposed Guy Anchors (248 Filing) (VELCO) | Delineated Wetland (VHB/VELCO)         | Town Boundary (VCGI)      |
| Proposed Guy Anchors (Dec 2023) (VELCO)   | Class II Wetland Buffer - 50 ft. (VHB) | Parcel Boundary (VCGI)    |



Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

Path: \\vhb.com\gis\proj\SBurrlington\58789.00 VELCO K42 Line Rebuild\Project\K42 Line NR\_rebuild\VELCO K42 Line NR.aprx (User: JTherrien, Date: 12/21/2023)

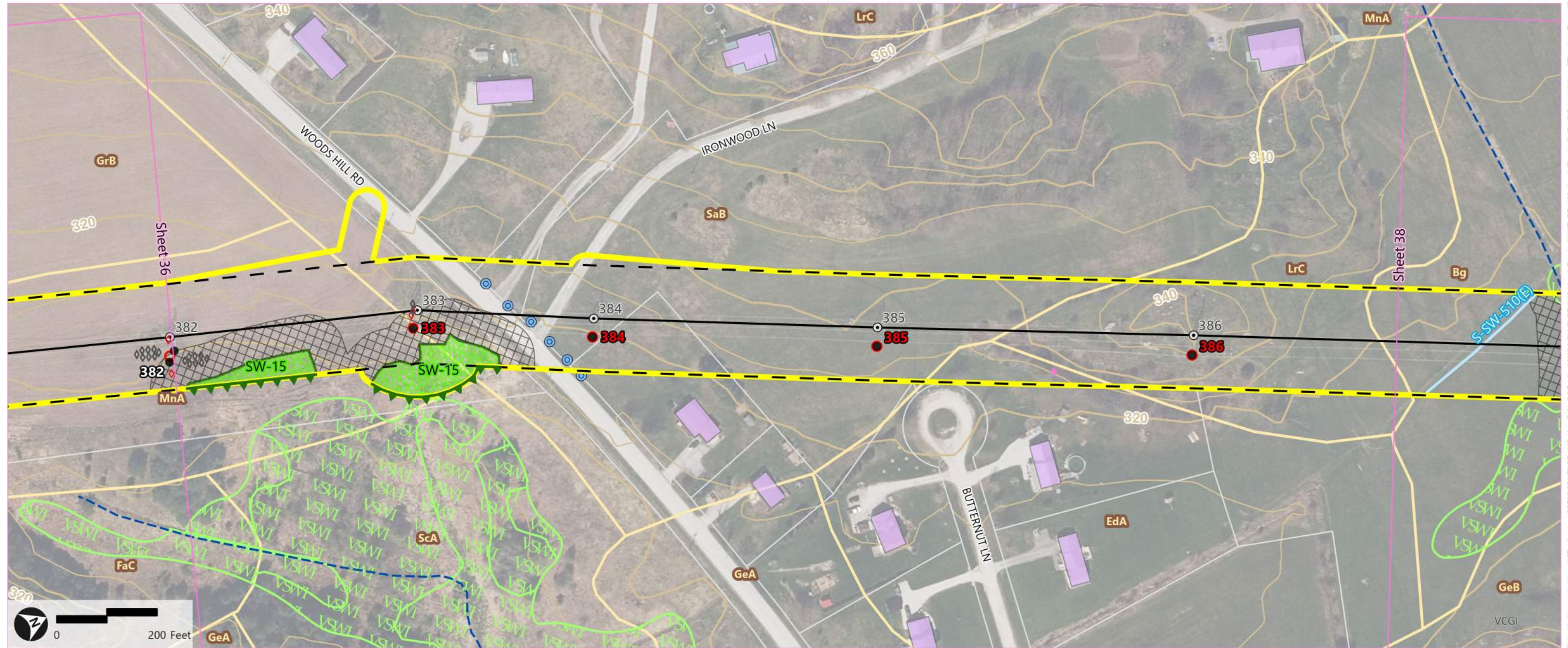


Natural Resources Map Series - Sheet 37 of 59

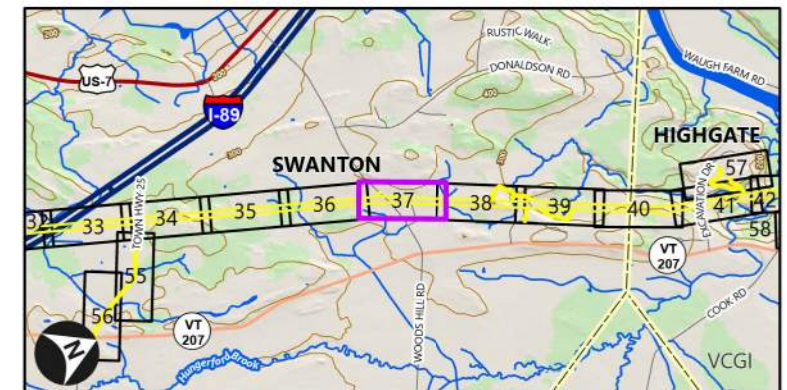
VELCO Franklin County Line Upgrade Project (FCLU) K-42 115 kV Line | Towns of Georgia, St. Albans, Swanton and Highgate, Vermont



December 21, 2023



- |   |  |                                   |
|---|--|-----------------------------------|
| Study Area (VHB)                          | Existing Transmission Line (VELCO)     | Ephemeral Stream (VHB/VELCO)      |
| Sheet Outline (VHB)                       | Edge of ROW (Approx.) (VELCO)          | Stream (ANR)                      |
| Proposed Structures (248 Filing) (VELCO)  | Found Culvert (VHB)                    | VSWI Wetland (ANR)                |
| Proposed Structures (Dec 2023) (VELCO)    | Potential Roost Tree (VHB)             | NRCS Soil Boundary (VCGI)         |
| Proposed Guy Anchors (248 Filing) (VELCO) | Delineated Wetland (VHB/VELCO)         | Building Footprints (2016) (VCGI) |
| Proposed Guy Anchors (Dec 2023) (VELCO)   | Class II Wetland Buffer - 50 ft. (VHB) | Town Boundary (VCGI)              |
| Existing Structure (VELCO)                | Wetland Extends (VHB)                  | Parcel Boundary (VCGI)            |

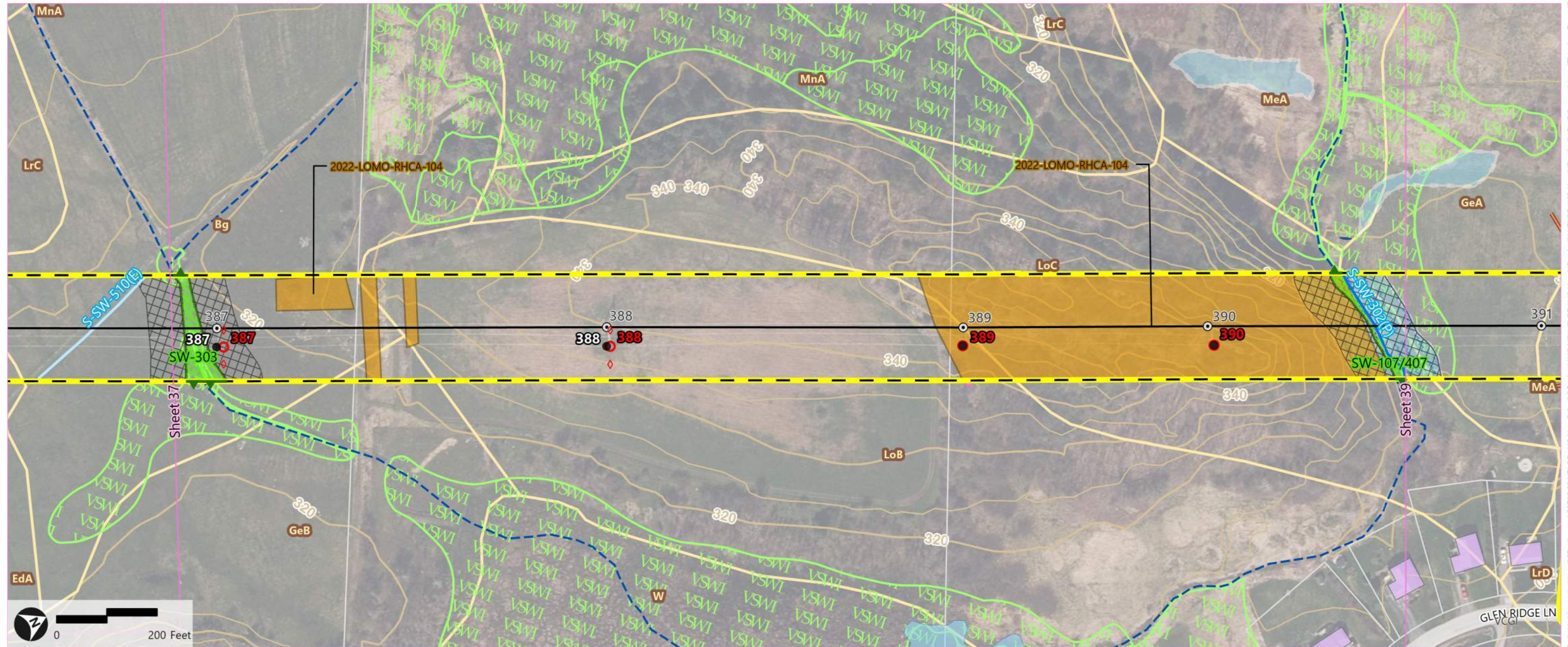


Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

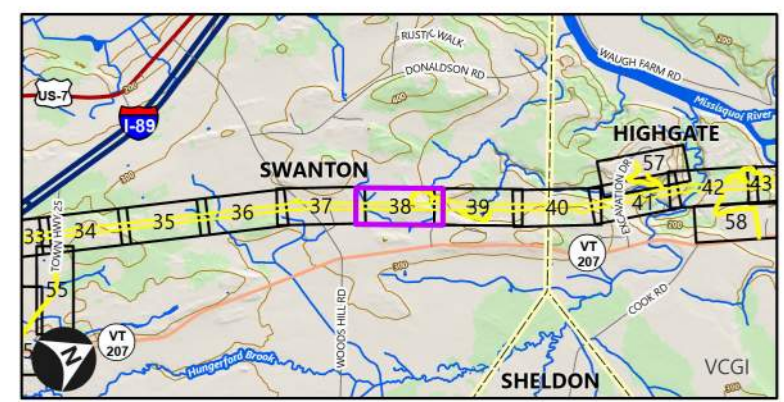
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- Study Area (VHB)
- Sheet Outline (VHB)
- Proposed Structures (248 Filing) (VELCO)
- Proposed Structures (Dec 2023) (VELCO)
- ◇ Proposed Guy Anchors (Dec 2023) (VELCO)
- ⊙ Existing Structure (VELCO)
- Existing Transmission Line (VELCO)
- Edge of ROW (Approx.) (VELCO)
- Previously Identified Underground Infrastructure (VELCO)

- \* Potential Roost Tree (VHB)
- NNIS - Polygon (VHB)
- Delineated Wetland (VHB/VELCO)
- Class II Wetland Buffer - 50 ft. (VHB)
- ▼ Wetland Extends (VHB)
- Perennial Stream (VHB/VELCO)
- Ephemeral Stream (VHB/VELCO)
- River Corridor (VHB)
- Riparian Stream Buffer (VHB)

- Stream (ANR)
- Waterbody (ANR)
- VSWI Wetland (ANR)
- NRCS Soil Boundary (VCGI)
- Building Footprints (2016) (VCGI)
- Town Boundary (VCGI)
- Parcel Boundary (VCGI)



Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

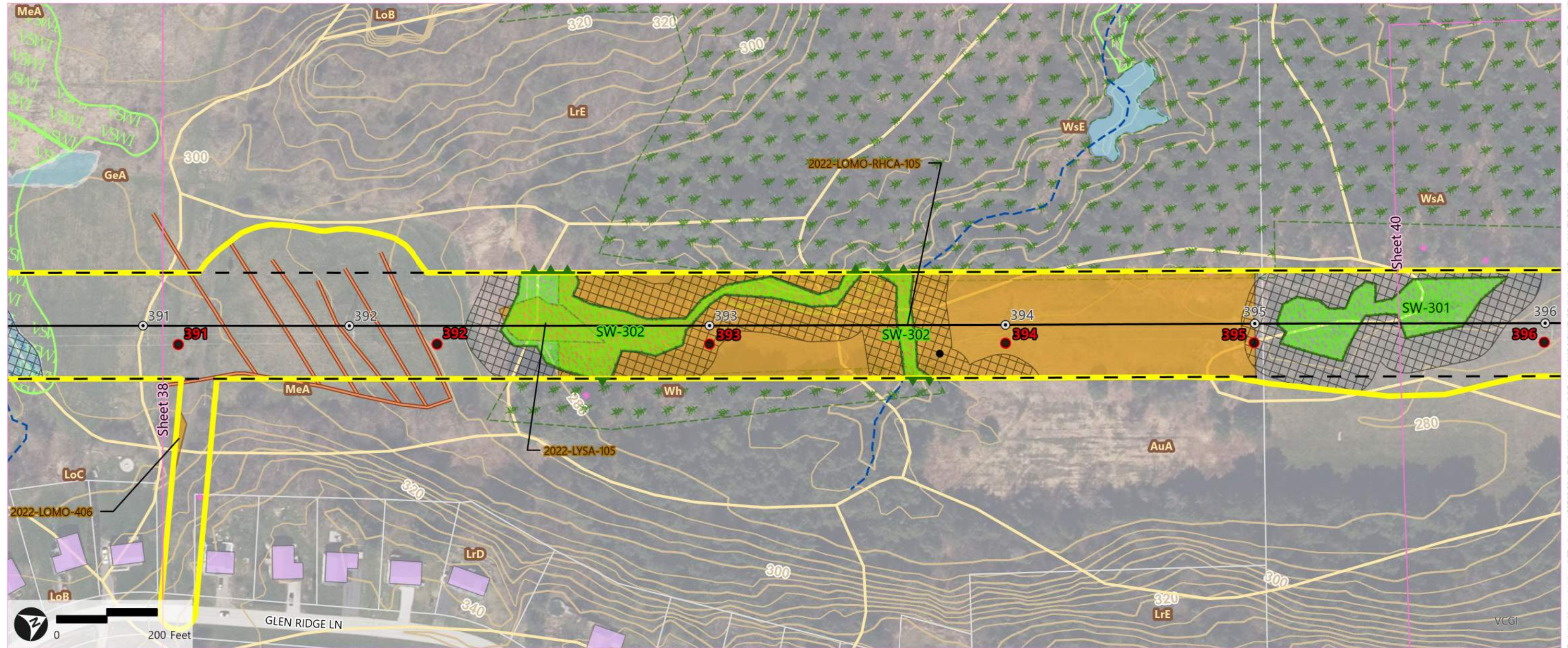
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Natural Resources Map Series - Sheet 39 of 59

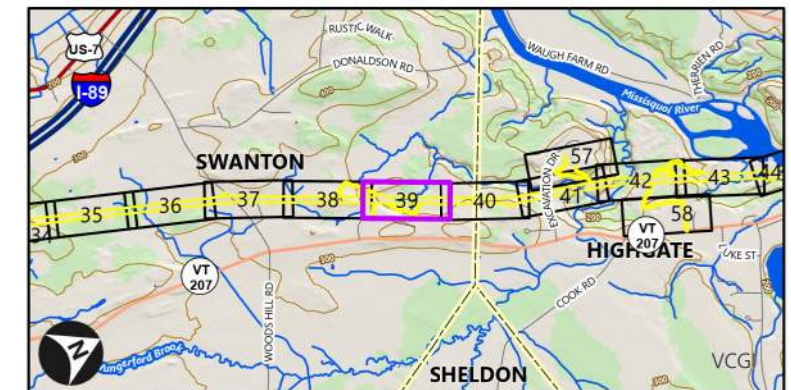
VELCO Franklin County Line Upgrade Project (FCLU) K-42 115 kV Line | Towns of Georgia, St. Albans, Swanton and Highgate, Vermont



December 21, 2023



- |  |  |                                   |
|--|--|-----------------------------------|
| Study Area (VHB)   | Wetland Determination Data Point (VHB) | Stream (ANR)                      |
| Sheet Outline (VHB)                                      | NNIS - Polygon (VHB)                   | Waterbody (ANR)                   |
| Proposed Structures (248 Filing) (VELCO)                 | Delineated Wetland (VHB/VELCO)         | VSWI Wetland (ANR)                |
| Proposed Structures (Dec 2023) (VELCO)                   | Class II Wetland Buffer - 50 ft. (VHB) | NRCS Soil Boundary (VCGI)         |
| Existing Structure (VELCO)                               | Wetland Extends (VHB)                  | Building Footprints (2016) (VCGI) |
| Existing Transmission Line (VELCO)                       | Perennial Stream (VHB/VELCO)           | Town Boundary (VCGI)              |
| Edge of ROW (Approx.) (VELCO)                            | River Corridor (VHB)                   | Parcel Boundary (VCGI)            |
| Previously Identified Underground Infrastructure (VELCO) | Riparian Stream Buffer (VHB)           |                                   |
| Potential Roost Tree (VHB)                               | ANR Deer Wintering Areas (ANR/VHB)     |                                   |



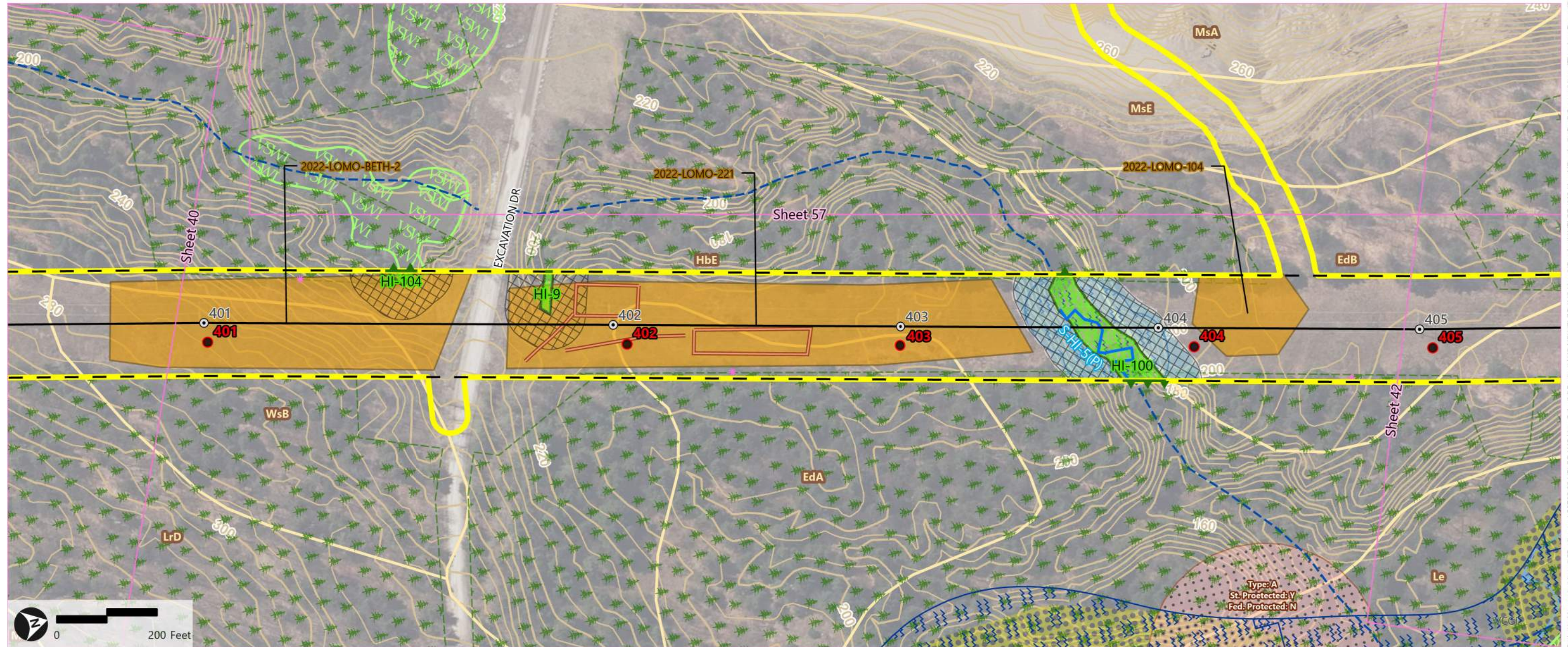
Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

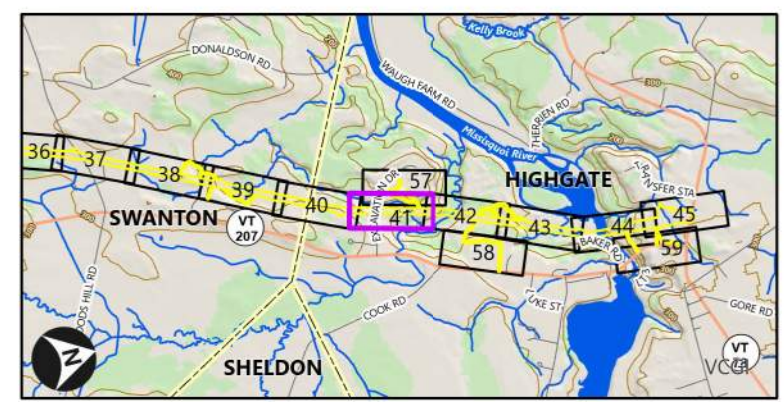
Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

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- |  |  |                                   |
|--|--|-----------------------------------|
| Study Area (VHB)   | NNIS - Polygon (VHB)                   | River Corridor (ANR)              |
| Sheet Outline (VHB)                                      | Delineated Wetland (VHB/VELCO)         | FEMA Flood Zones (approx.) (NRPC) |
| Proposed Structures (248 Filing) (VELCO)                 | Class II Wetland Buffer - 50 ft. (VHB) | VSWI Wetland (ANR)                |
| Proposed Structures (Dec 2023) (VELCO)                   | Wetland Extends (VHB)                  | VNH I Element Occurrence (FWD)    |
| Existing Structure (VELCO)                               | Perennial Stream (VHB/VELCO)           | NRCS Soil Boundary (VCGI)         |
| Existing Transmission Line (VELCO)                       | River Corridor (VHB)                   | Town Boundary (VCGI)              |
| Edge of ROW (Approx.) (VELCO)                            | Riparian Stream Buffer (VHB)           | Parcel Boundary (VCGI)            |
| Previously Identified Underground Infrastructure (VELCO) | ANR Deer Wintering Areas (ANR/VHB)     |                                   |
| Potential Roost Tree (VHB)                               | Stream (ANR)                           |                                   |



Legend Note - Only layers visible in the current map display are displayed in the legend.

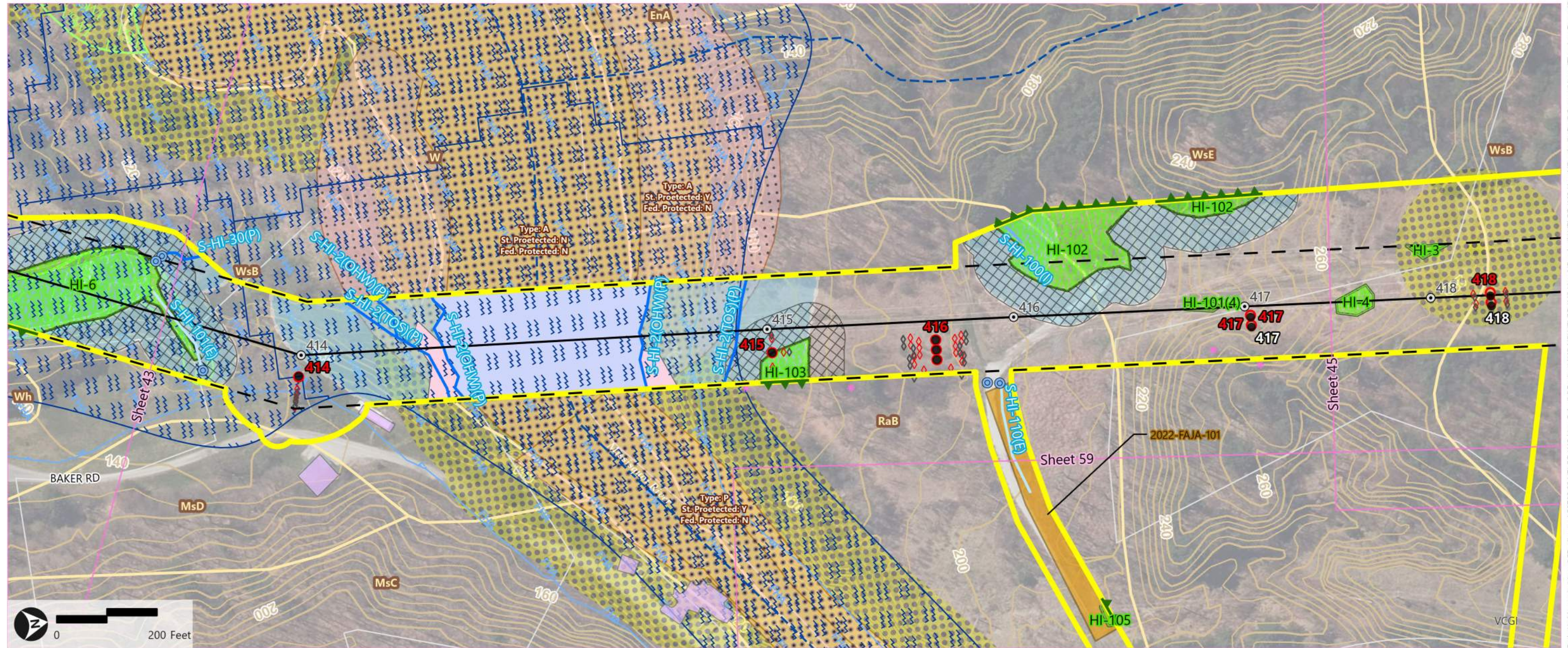
NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

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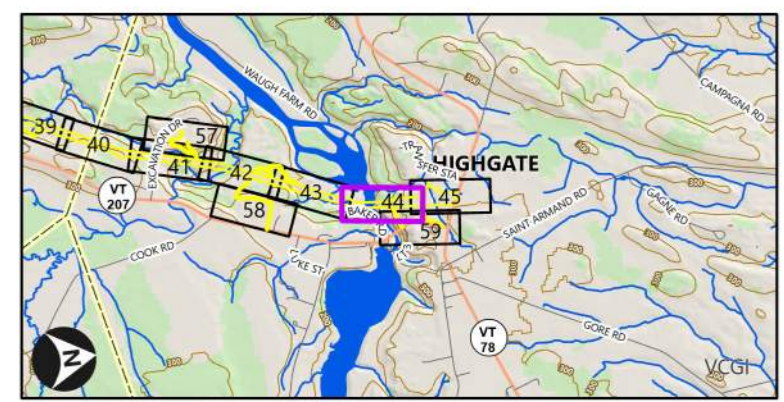
Path: \\vhb.com\gis\proj\SBurrlington\58789.00 VELCO K42 Line Rebuild\Project\K42 Line NR\_rebuild\VELCO K42 Line NR\_rebuild.aprx (User: JTherrien, Date: 12/21/2023)







- |   |  |                                 |                                   |
|---|--|---------------------------------|-----------------------------------|
| Study Area (VHB)                          | Edge of ROW (Approx.) (VELCO)          | Wetland Extends (VHB)           | River Corridor (ANR)              |
| Sheet Outline (VHB)                       | Found Culvert (VHB)                    | Perennial Stream (VHB/VELCO)    | FEMA Flood Zones (approx.) (NRPC) |
| Proposed Structures (248 Filing) (VELCO)  | Potential Roost Tree (VHB)             | Intermittent Stream (VHB/VELCO) | VSWI Wetland (ANR)                |
| Proposed Structures (Dec 2023) (VELCO)    | RTE (VHB/VELCO)                        | Ephemeral Stream (VHB/VELCO)    | VNHI Element Occurrence (FWD)     |
| Proposed Guy Anchors (248 Filing) (VELCO) | NNIS - Polygon (VHB)                   | Mapped Waterbody (VHB)          | NRCS Soil Boundary (VCGI)         |
| Proposed Guy Anchors (Dec 2023) (VELCO)   | Natural Community (VHB)                | Riparian Stream Buffer (VHB)    | Building Roofprints (2016) (VCGI) |
| Existing Structure (VELCO)                | Delineated Wetland (VHB/VELCO)         | Stream (ANR)                    | Town Boundary (VCGI)              |
| Existing Transmission Line (VELCO)        | Class II Wetland Buffer - 50 ft. (VHB) | Waterbody (ANR)                 | Parcel Boundary (VCGI)            |



Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

Path: \\vhb.com\gis\proj\SB\urlington\58789.00 VELCO K42 Line Rebuild\Project\K42 Line Rebuild\VELCO K42 Line NR\_rebuild\_Proj3.0.aprx (User: JTherrien, Date: 12/21/2023)

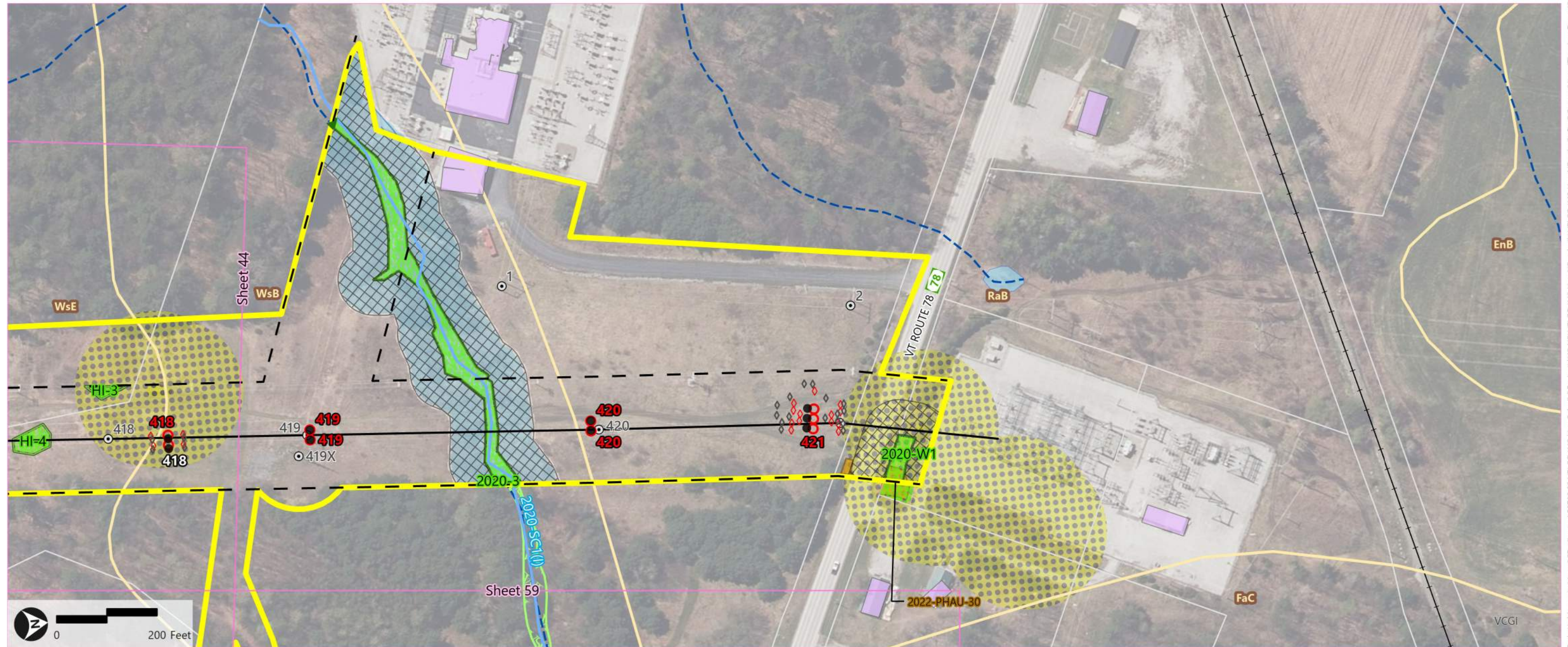


Natural Resources Map Series - Sheet 45 of 59

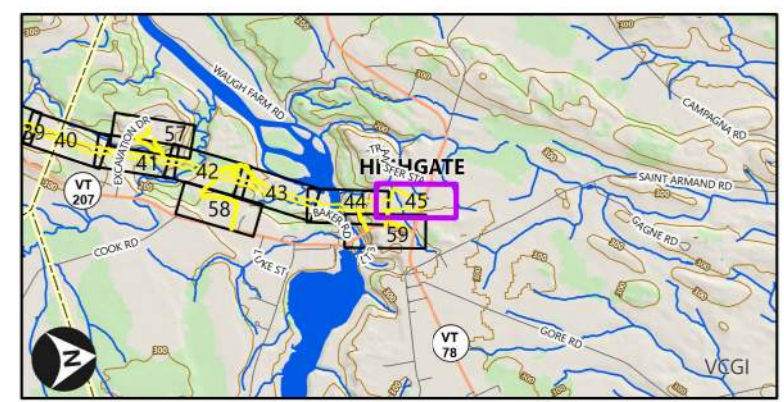
VELCO Franklin County Line Upgrade Project (FCLU) K-42 115 kV Line | Towns of Georgia, St. Albans, Swanton and Highgate, Vermont



December 21, 2023



- |   |  |                                 |                                   |
|---|--|---------------------------------|-----------------------------------|
| Study Area (VHB)                          | Existing Transmission Line (VELCO)     | Intermittent Stream (VHB/VELCO) | Building Roofprints (2016) (VCGI) |
| Sheet Outline (VHB)                       | Edge of ROW (Approx.) (VELCO)          | River Corridor (VHB)            | Town Boundary (VCGI)              |
| Proposed Structures (248 Filing) (VELCO)  | RTE (VHB/VELCO)                        | Riparian Stream Buffer (VHB)    | Parcel Boundary (VCGI)            |
| Proposed Structures (Dec 2023) (VELCO)    | NNIS - Polygon (VHB)                   | Stream (ANR)                    | Railroad Lines (VTrans)           |
| Proposed Guy Anchors (248 Filing) (VELCO) | Delineated Wetland (VHB/VELCO)         | Waterbody (ANR)                 |                                   |
| Proposed Guy Anchors (Dec 2023) (VELCO)   | Class II Wetland Buffer - 50 ft. (VHB) | VSWI Wetland (ANR)              |                                   |
| Existing Structure (VELCO)                | Wetland Extends (VHB)                  | NRCS Soil Boundary (VCGI)       |                                   |



Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

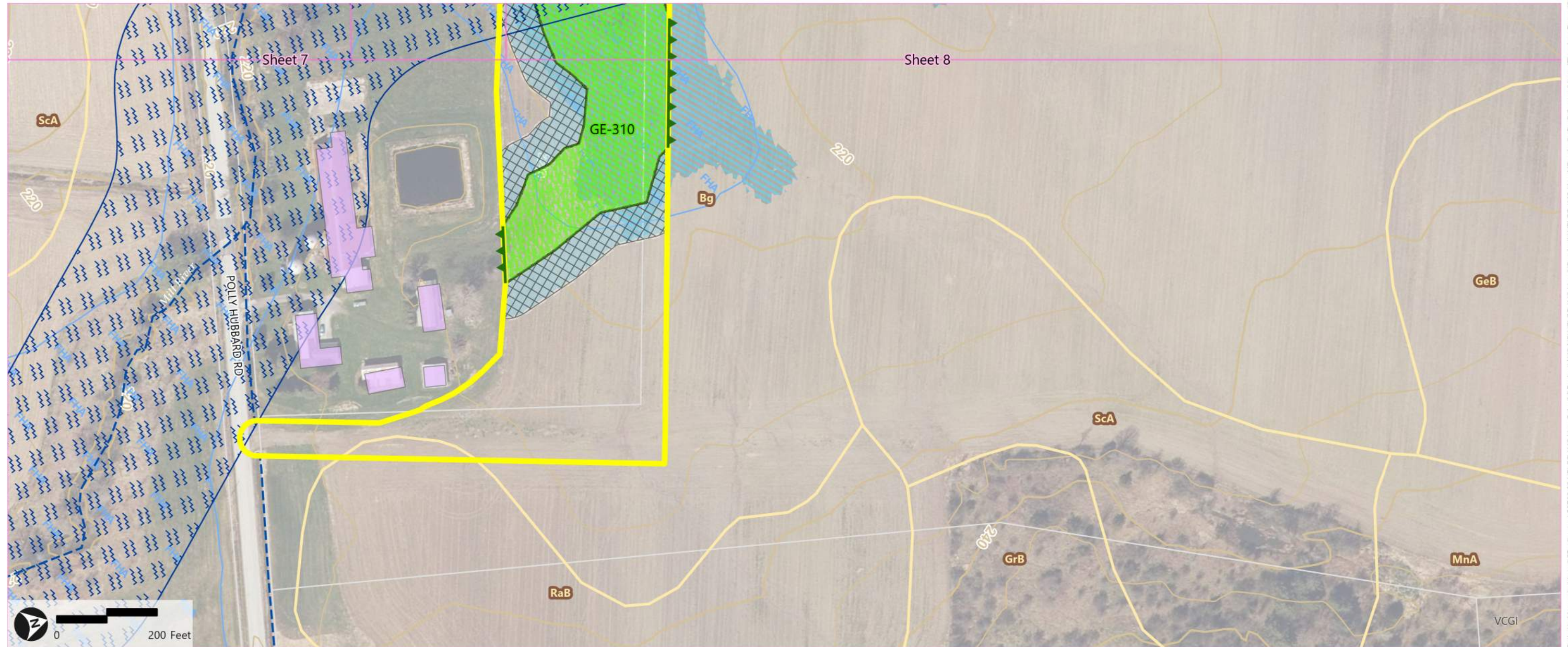
Path: \\vha.com\gis\pro\SBurrlington\58789.00 VELCO K42 Line Rebuild\Project\K42 Line NR\_rebuild\VELCO K42 Line NR\_rebuild.aprx (User: JTherrien, Date: 12/21/2023)

Natural Resources Map Series - Sheet 46 of 59

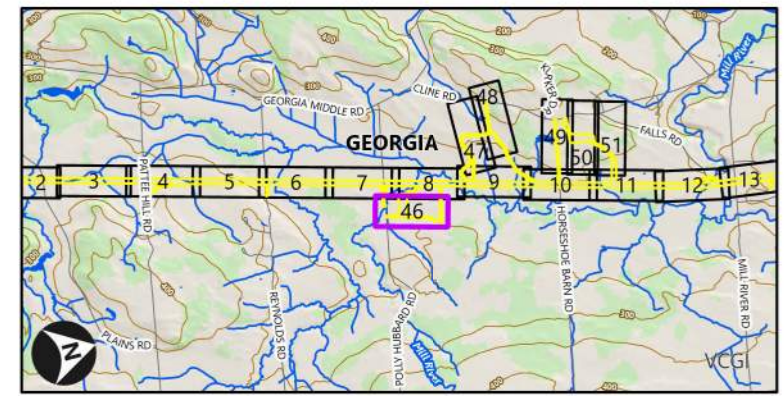
VELCO Franklin County Line Upgrade Project (FCLU) K-42 115 kV Line | Towns of Georgia, St. Albans, Swanton and Highgate, Vermont



December 21, 2023



- |  |                                    |                                   |
|--|------------------------------------|-----------------------------------|
| Study Area (VHB)                       | Riparian Stream Buffer (VHB)       | NRCS Soil Boundary (VCGI)         |
| Sheet Outline (VHB)                    | Stream (ANR)                       | Building Roofprints (2016) (VCGI) |
| Delineated Wetland (VHB/VELCO)         | River Corridor (ANR)               | Town Boundary (VCGI)              |
| Class II Wetland Buffer - 50 ft. (VHB) | FEMA Flood Zones (approx.) (NRPC)  | Parcel Boundary (VCGI)            |
| Wetland Extends (VHB)                  | Base Flood Elevation Extents (VHB) |                                   |



Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

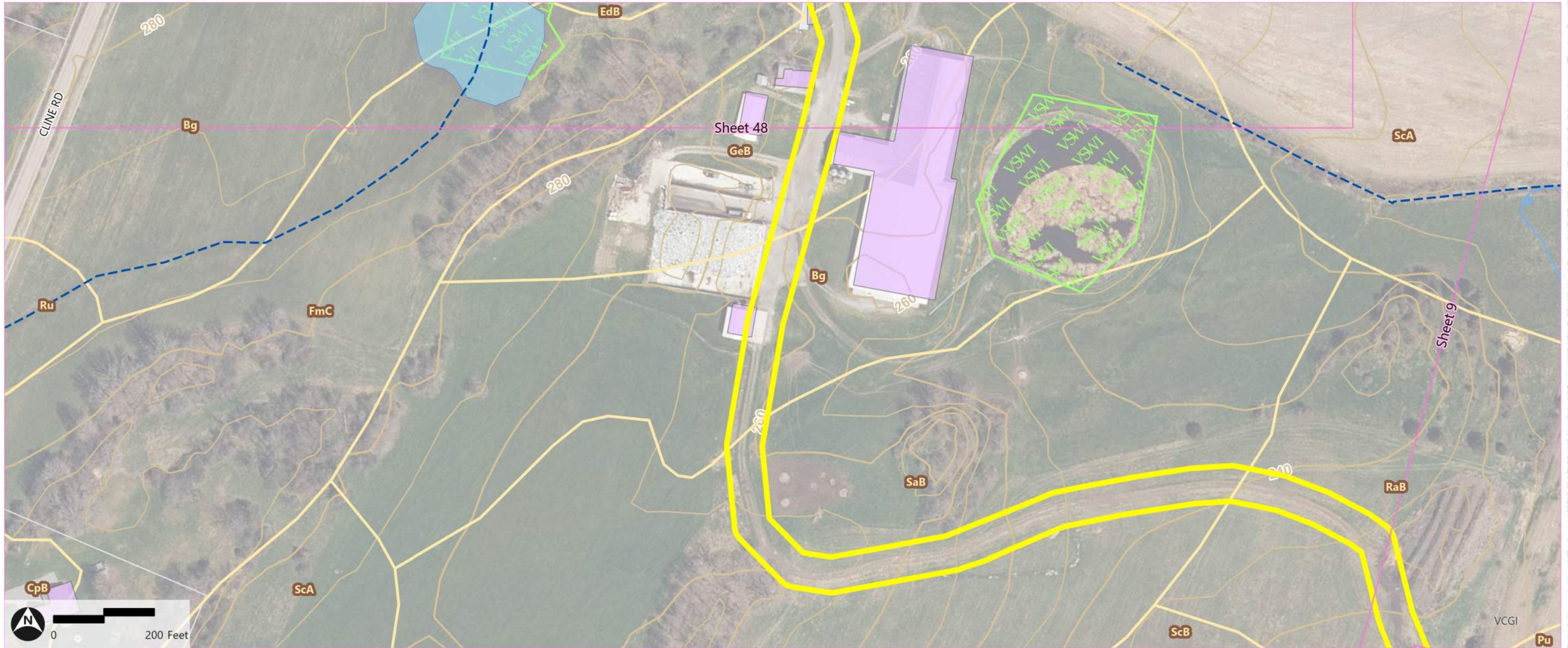
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Natural Resources Map Series - Sheet 47 of 59

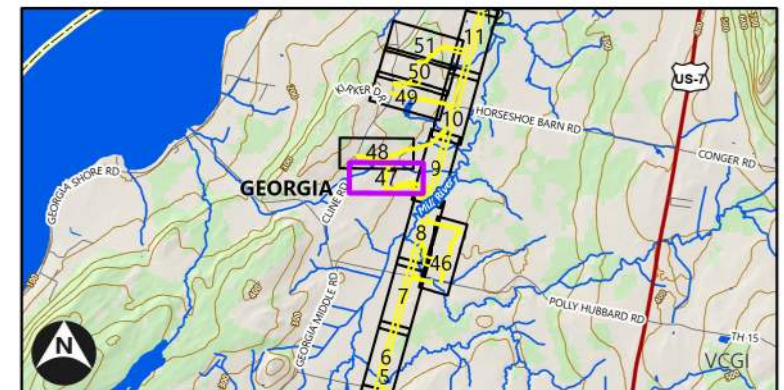
VELCO Franklin County Line Upgrade Project (FCLU) K-42 115 kV Line | Towns of Georgia, St. Albans, Swanton and Highgate, Vermont



December 21, 2023



- |                                   |                                   |
|-----------------------------------|-----------------------------------|
| Study Area (VHB)                  | VSWI Wetland (ANR)                |
| Sheet Outline (VHB)               | NRCS Soil Boundary (VCGI)         |
| Stream (ANR)                      | Building Roofprints (2016) (VCGI) |
| Waterbody (ANR)                   | Town Boundary (VCGI)              |
| FEMA Flood Zones (approx.) (NRPC) | Parcel Boundary (VCGI)            |



Legend Note - Only layers visible in the current map display are displayed in the legend.

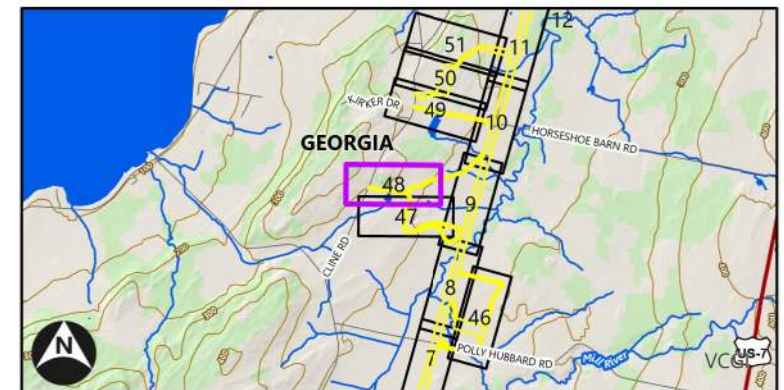
NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

Path: \\vhb.com\gis\pro\SBurrlington\58789.00 VELCO K42 Line Rebuild\Project\K42 Line NR\_rebuild\VELCO K42 Line NR\_rebuild.aprx (User: JTherrien, Date: 12/21/2023)



- |  |                       |                                   |
|--|-----------------------|-----------------------------------|
| Study Area (VHB)                       | Wetland Extends (VHB) | NRCS Soil Boundary (VCGI)         |
| Sheet Outline (VHB)                    | Stream (ANR)          | Building Roofprints (2016) (VCGI) |
| Delineated Wetland (VHB/VELCO)         | Waterbody (ANR)       | Town Boundary (VCGI)              |
| Class II Wetland Buffer - 50 ft. (VHB) | VSWI Wetland (ANR)    | Parcel Boundary (VCGI)            |



Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

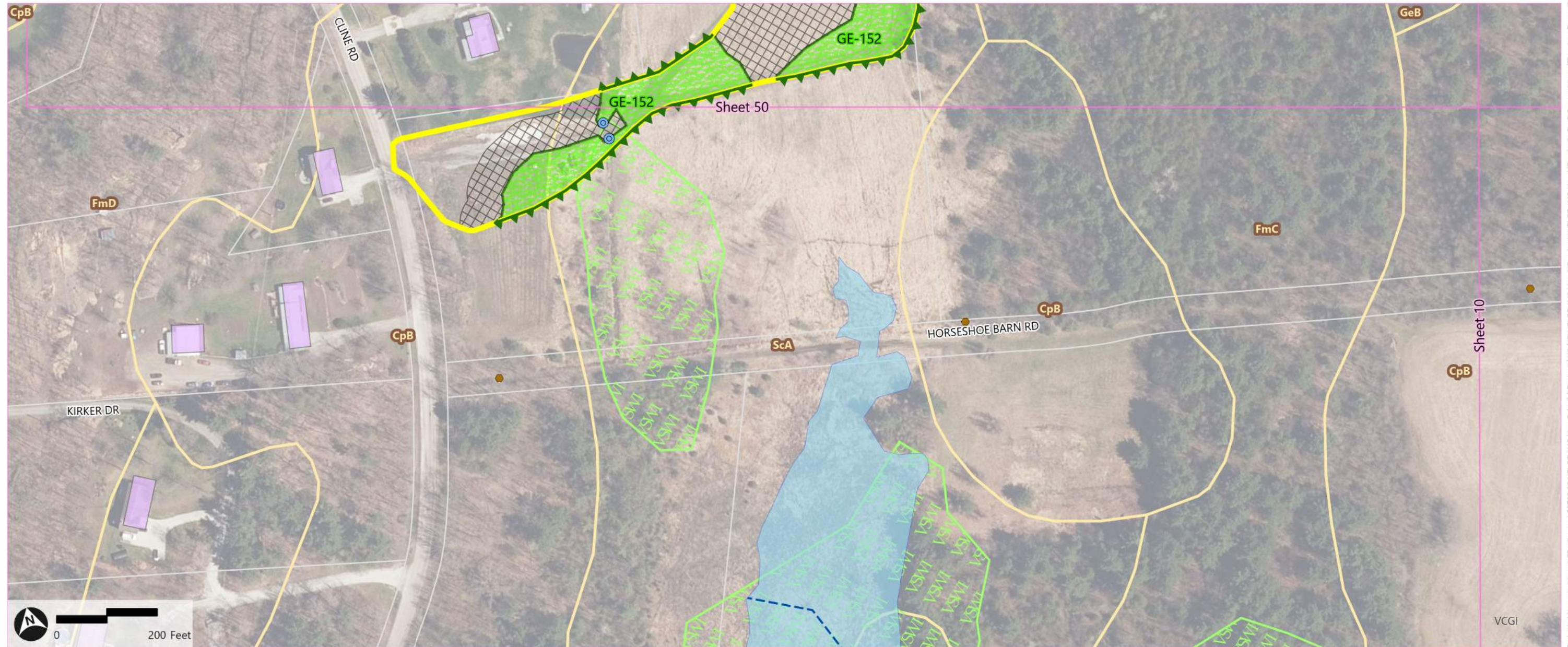
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# Natural Resources Map Series - Sheet 49 of 59

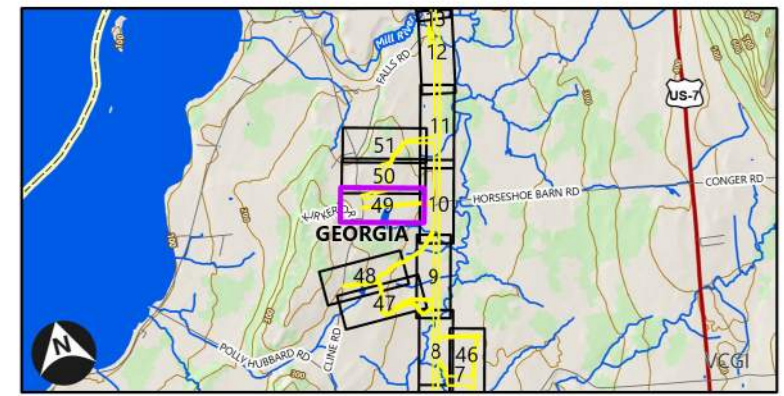
VELCO Franklin County Line Upgrade Project (FCLU) K-42 115 kV Line | Towns of Georgia, St. Albans, Swanton and Highgate, Vermont



December 21, 2023



- |                                |  |                                   |
|--------------------------------|--|-----------------------------------|
| Study Area (VHB)               | Class II Wetland Buffer - 50 ft. (VHB) | NRCS Soil Boundary (VCGI)         |
| Sheet Outline (VHB)            | Wetland Extends (VHB)                  | Building Roofprints (2016) (VCGI) |
| Found Culvert (VHB)            | Stream (ANR)                           | Town Boundary (VCGI)              |
| NNIS - Point (VHB)             | Waterbody (ANR)                        | Parcel Boundary (VCGI)            |
| Delineated Wetland (VHB/VELCO) | VSWI Wetland (ANR)                     |                                   |



Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

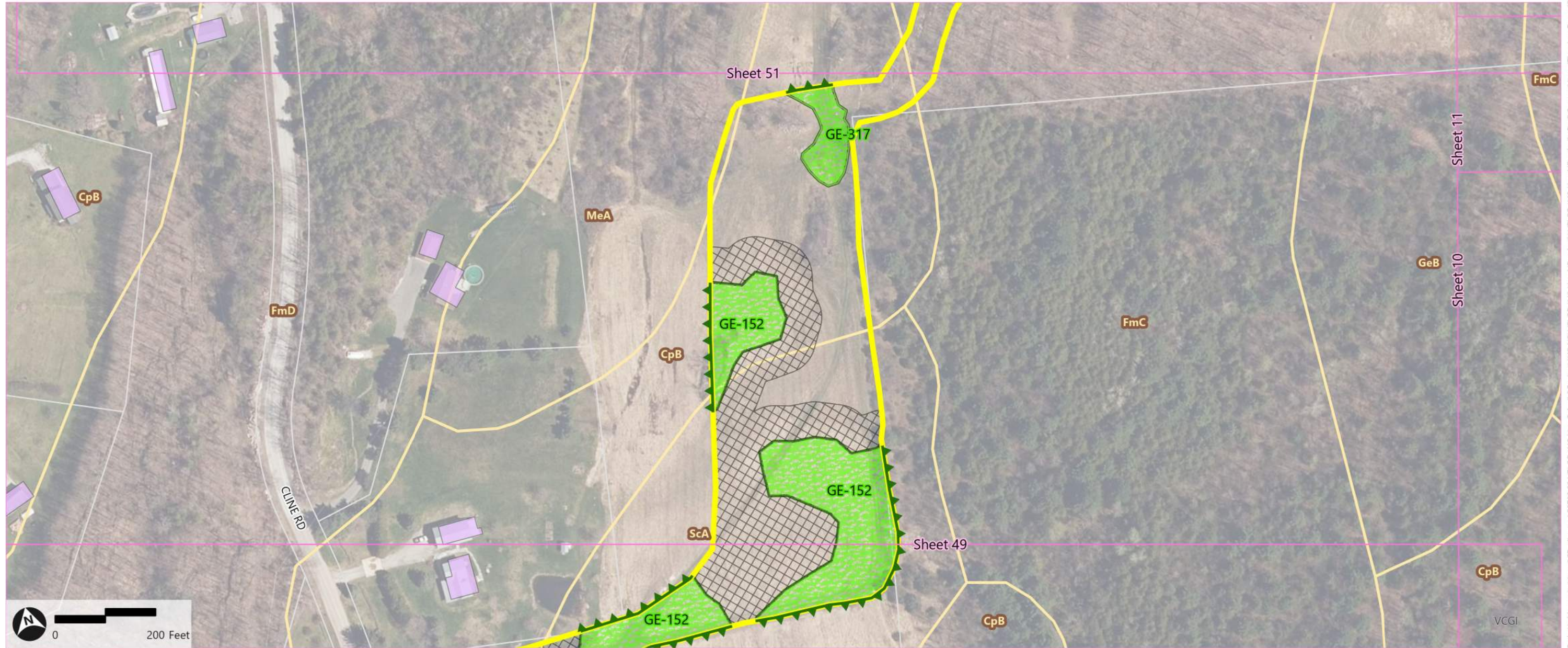
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# Natural Resources Map Series - Sheet 50 of 59

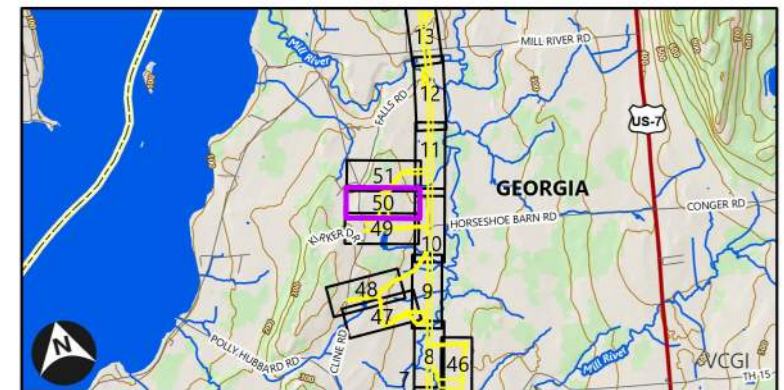
VELCO Franklin County Line Upgrade Project (FCLU) K-42 115 kV Line | Towns of Georgia, St. Albans, Swanton and Highgate, Vermont



December 21, 2023



- Study Area (VHB)
- Sheet Outline (VHB)
- Delineated Wetland (VHB/VELCO)
- Class II Wetland Buffer - 50 ft. (VHB)
- Wetland Extends (VHB)
- NRCS Soil Boundary (VCGI)
- Building Roofprints (2016) (VCGI)
- Town Boundary (VCGI)
- Parcel Boundary (VCGI)



Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

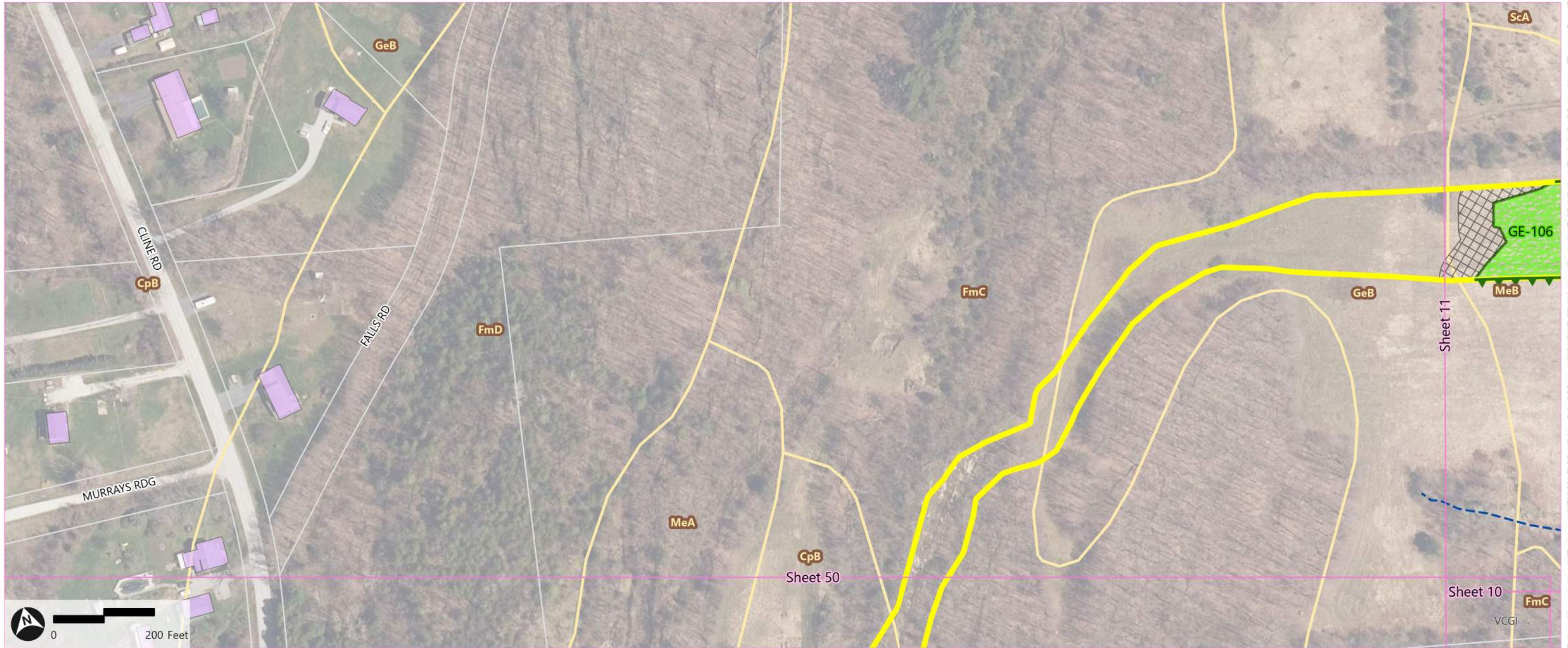
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Natural Resources Map Series - Sheet 51 of 59

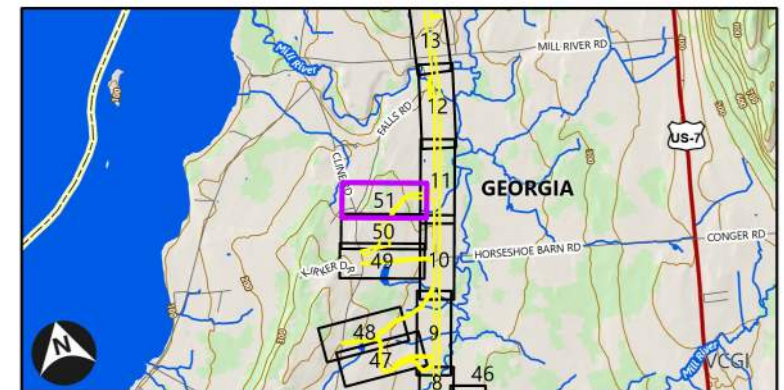
VELCO Franklin County Line Upgrade Project (FCLU) K-42 115 kV Line | Towns of Georgia, St. Albans, Swanton and Highgate, Vermont



December 21, 2023



- |  |                                   |
|--|-----------------------------------|
| Study Area (VHB)                       | Stream (ANR)                      |
| Sheet Outline (VHB)                    | NRCS Soil Boundary (VCGI)         |
| Delineated Wetland (VHB/VELCO)         | Building Roofprints (2016) (VCGI) |
| Class II Wetland Buffer - 50 ft. (VHB) | Town Boundary (VCGI)              |
| Wetland Extends (VHB)                  | Parcel Boundary (VCGI)            |



Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

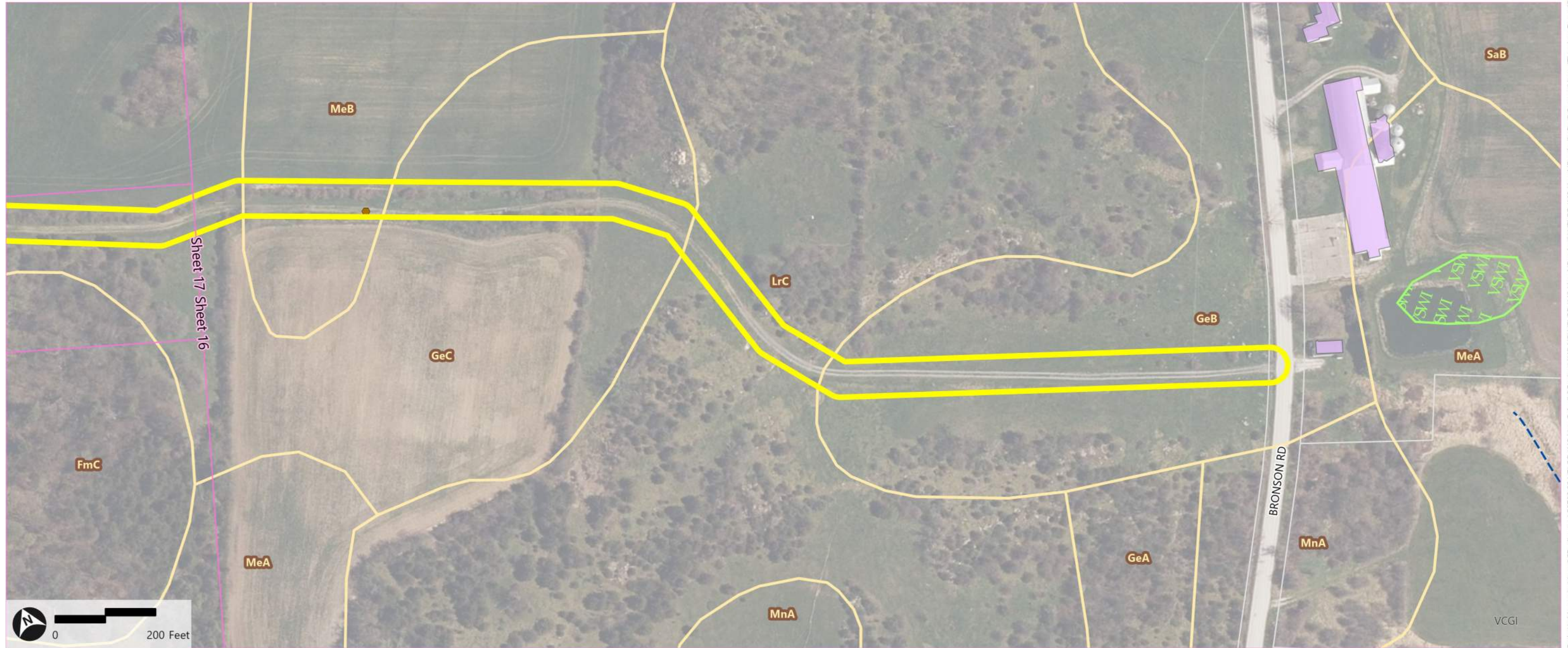
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Natural Resources Map Series - Sheet 52 of 59

VELCO Franklin County Line Upgrade Project (FCLU) K-42 115 kV Line | Towns of Georgia, St. Albans, Swanton and Highgate, Vermont



December 21, 2023



- Study Area (VHB)
- Sheet Outline (VHB)
- NNIS - Point (VHB)
- Stream (ANR)
- VSWI Wetland (ANR)
- NRCS Soil Boundary (VCGI)
- Building Roofprints (2016) (VCGI)
- Town Boundary (VCGI)
- Parcel Boundary (VCGI)



Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

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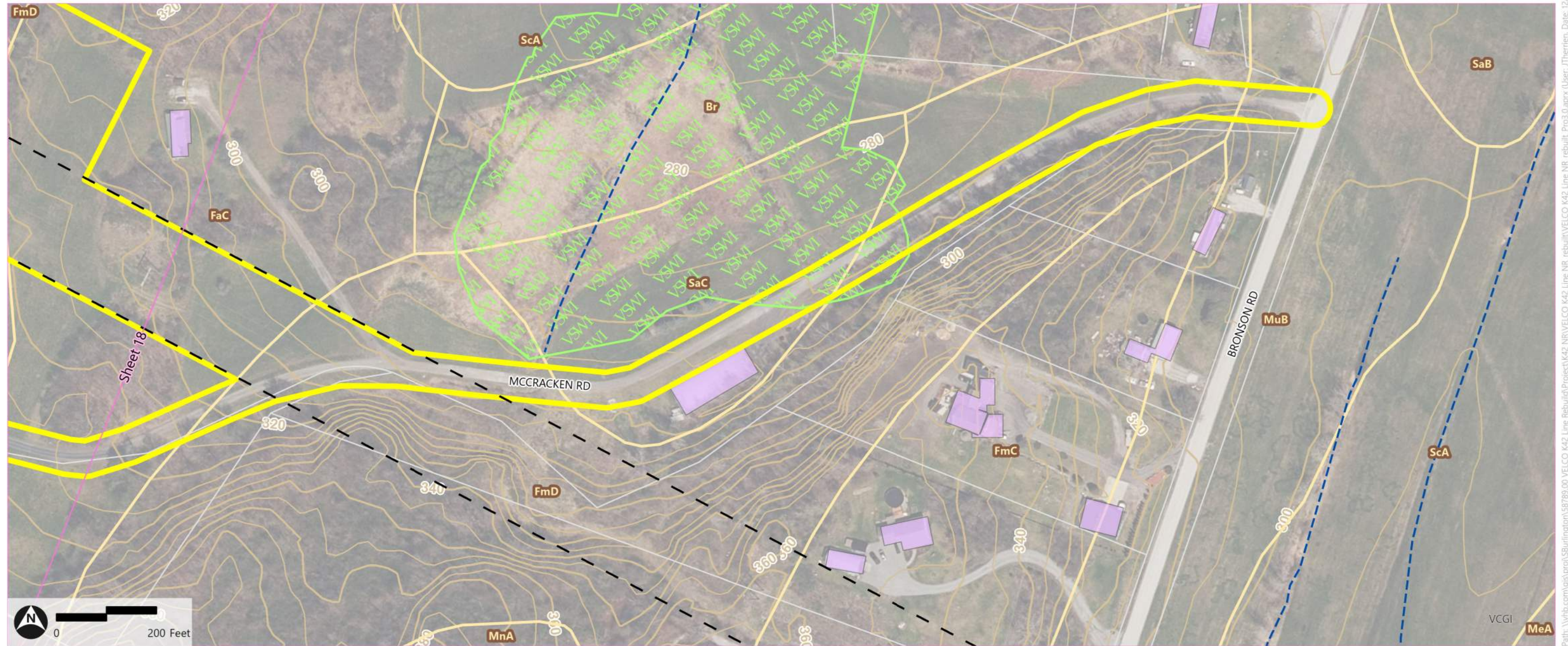


Natural Resources Map Series - Sheet 53 of 59

VELCO Franklin County Line Upgrade Project (FCLU) K-42 115 kV Line | Towns of Georgia, St. Albans, Swanton and Highgate, Vermont



December 21, 2023



- Study Area (VHB)
- Sheet Outline (VHB)
- Edge of ROW (Approx.) (VELCO)
- Stream (ANR)
- VSWI Wetland (ANR)
- NRCS Soil Boundary (VCGI)
- Building Roofprints (2016) (VCGI)
- Town Boundary (VCGI)
- Parcel Boundary (VCGI)



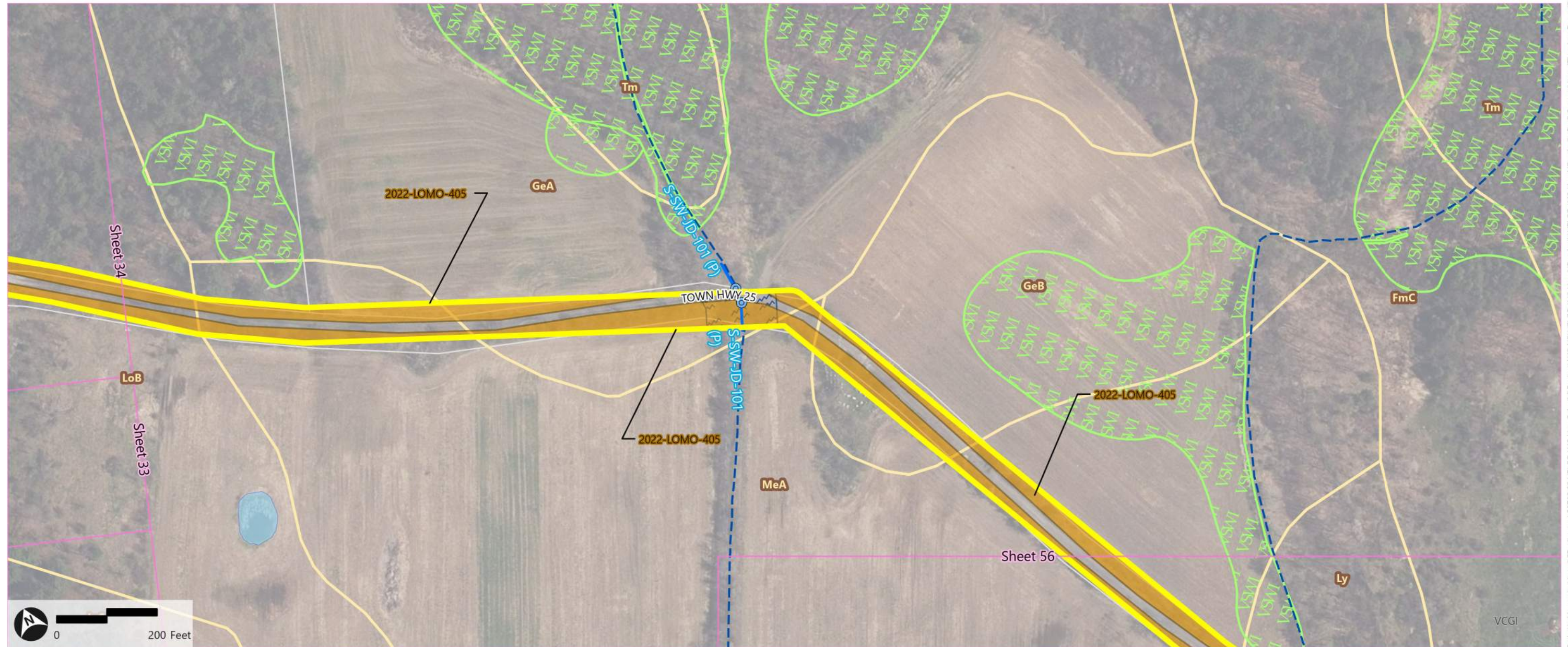
Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

Path: \\vhb.com\gis\pro\SBurffington\58789.00 VELCO K42 Line Rebuild\Project\K42 Line NR\_rebuild\VELCO K42 Line NR\_rebuild\_Pro3.0.aprx (User: JTherrien, Date: 12/21/2023)





- |                      |                              |                           |
|----------------------|------------------------------|---------------------------|
| Study Area (VHB)     | Perennial Stream (VHB/VELCO) | VSWI Wetland (ANR)        |
| Sheet Outline (VHB)  | River Corridor (VHB)         | NRCS Soil Boundary (VCGI) |
| Found Culvert (VHB)  | Stream (ANR)                 | Town Boundary (VCGI)      |
| NNIS - Polygon (VHB) | Waterbody (ANR)              | Parcel Boundary (VCGI)    |

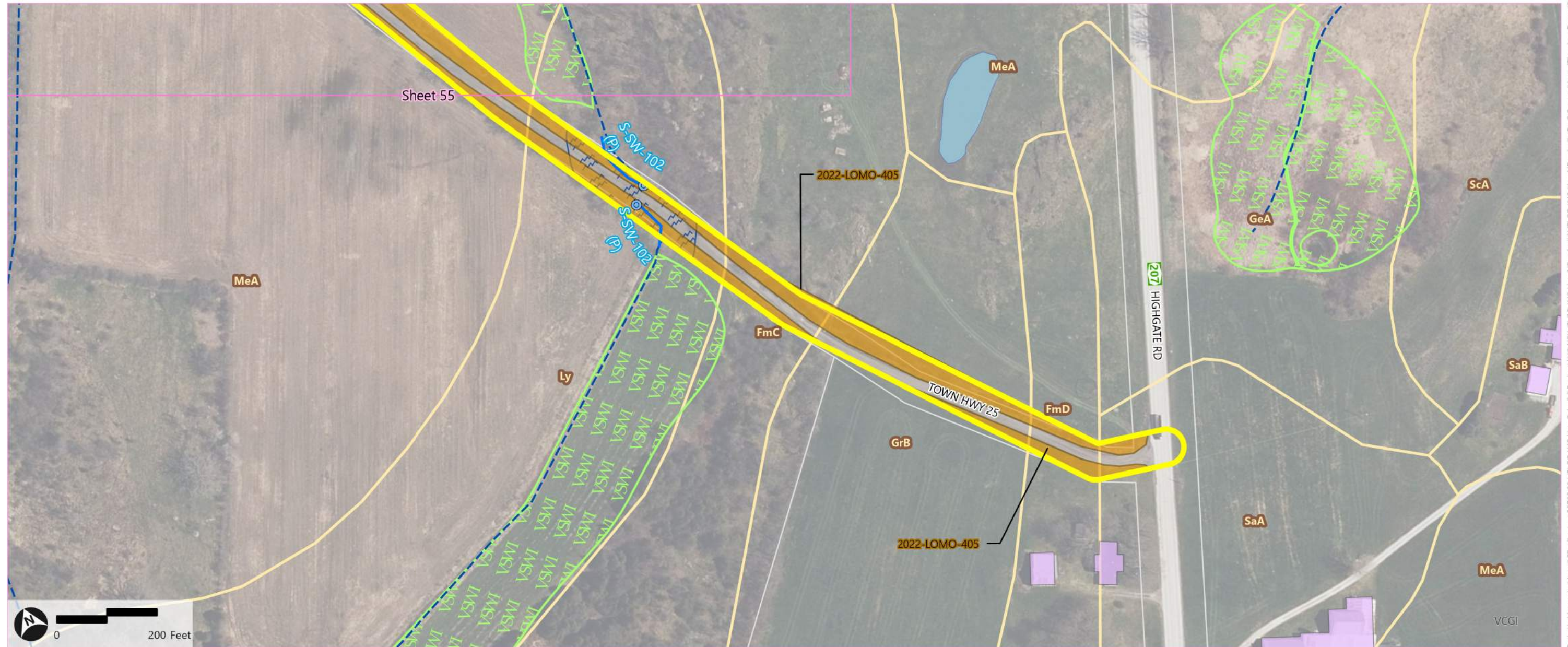


Legend Note - Only layers visible in the current map display are displayed in the legend.

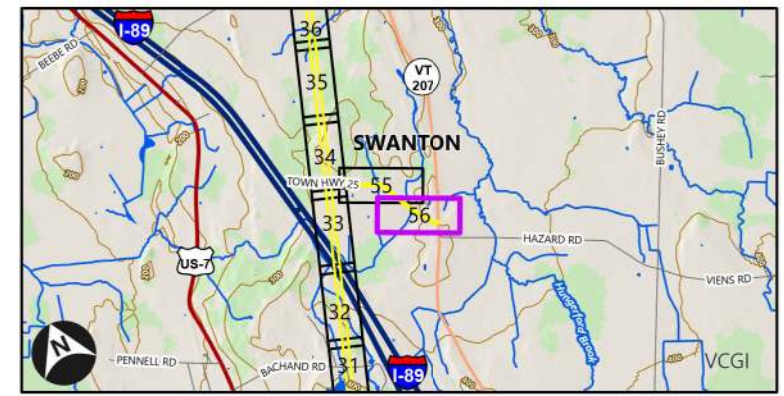
NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

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- |                              |                           |                                   |
|------------------------------|---------------------------|-----------------------------------|
| Study Area (VHB)             | River Corridor (VHB)      | Building Roofprints (2016) (VCGI) |
| Sheet Outline (VHB)          | Stream (ANR)              | Town Boundary (VCGI)              |
| Found Culvert (VHB)          | Waterbody (ANR)           | Parcel Boundary (VCGI)            |
| NNIS - Polygon (VHB)         | VSWI Wetland (ANR)        |                                   |
| Perennial Stream (VHB/VELCO) | NRCS Soil Boundary (VCGI) |                                   |

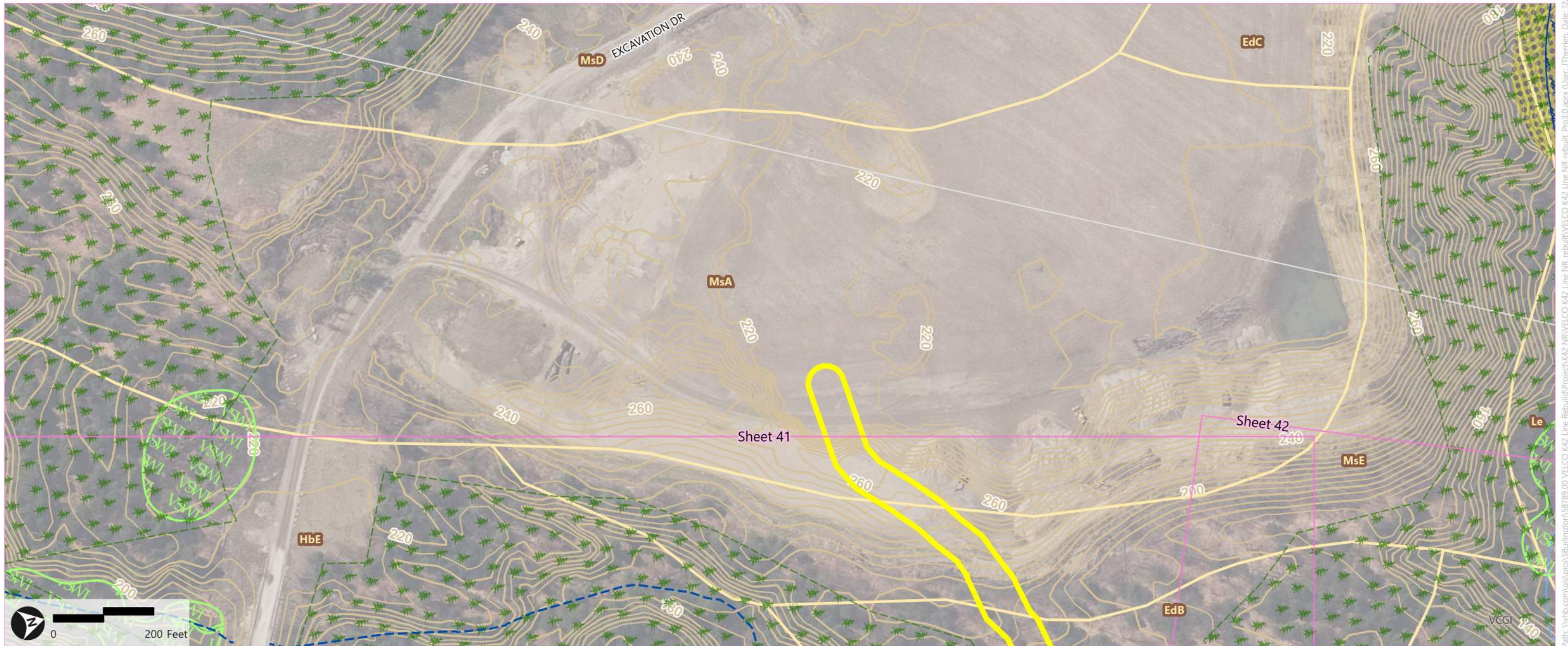


Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

Path: \\vhb.com\gis\pro\SBurffington\587895.00 VELCO K42 Line Rebuild\Project\K42 NR\VELCO K42 Line NR\_rebuild\VELCO K42 Line NR\_rebuild\_Pro3.0.aprx (User: JTherrien, Date: 12/21/2023)



- Study Area (VHB)
- Sheet Outline (VHB)
- ANR Deer Wintering Areas (ANR/VHB)
- Stream (ANR)
- River Corridor (ANR)
- FEMA Flood Zones (approx.) (NRPC)
- VSWI Wetland (ANR)
- NRCS Soil Boundary (VCGI)
- Town Boundary (VCGI)
- Parcel Boundary (VCGI)



Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

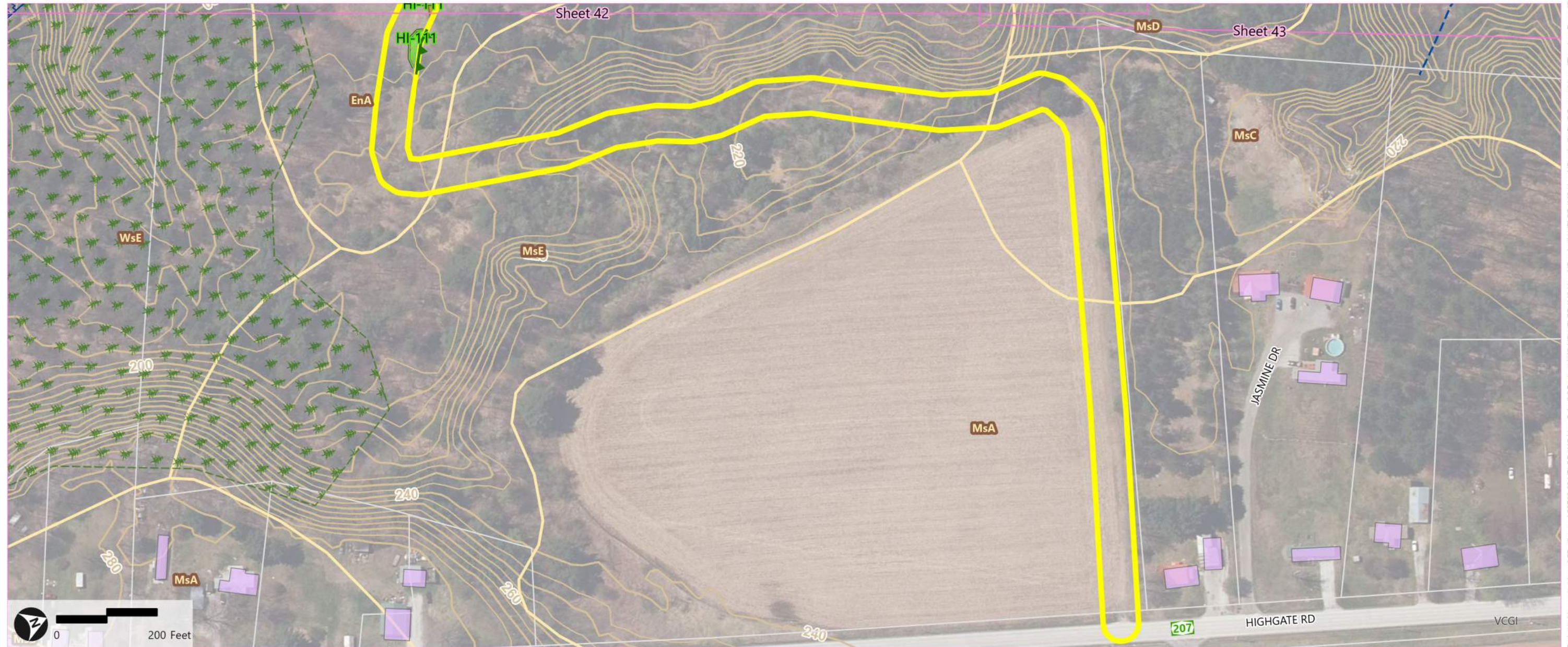
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Natural Resources Map Series - Sheet 58 of 59

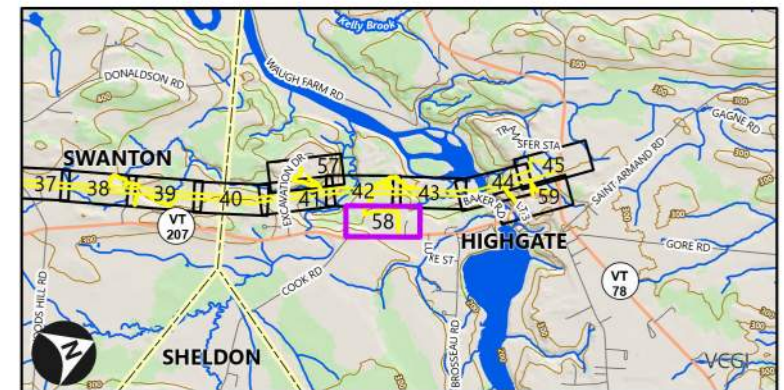
VELCO Franklin County Line Upgrade Project (FCLU) K-42 115 kV Line | Towns of Georgia, St. Albans, Swanton and Highgate, Vermont



December 21, 2023



- |                                |                                    |                                   |
|--------------------------------|------------------------------------|-----------------------------------|
| Study Area (VHB)               | Wetland Extends (VHB)              | NRCS Soil Boundary (VCGI)         |
| Sheet Outline (VHB)            | ANR Deer Wintering Areas (ANR/VHB) | Building Roofprints (2016) (VCGI) |
| NNIS - Polygon (VHB)           | Stream (ANR)                       | Town Boundary (VCGI)              |
| Delineated Wetland (VHB/VELCO) | River Corridor (ANR)               | Parcel Boundary (VCGI)            |



Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

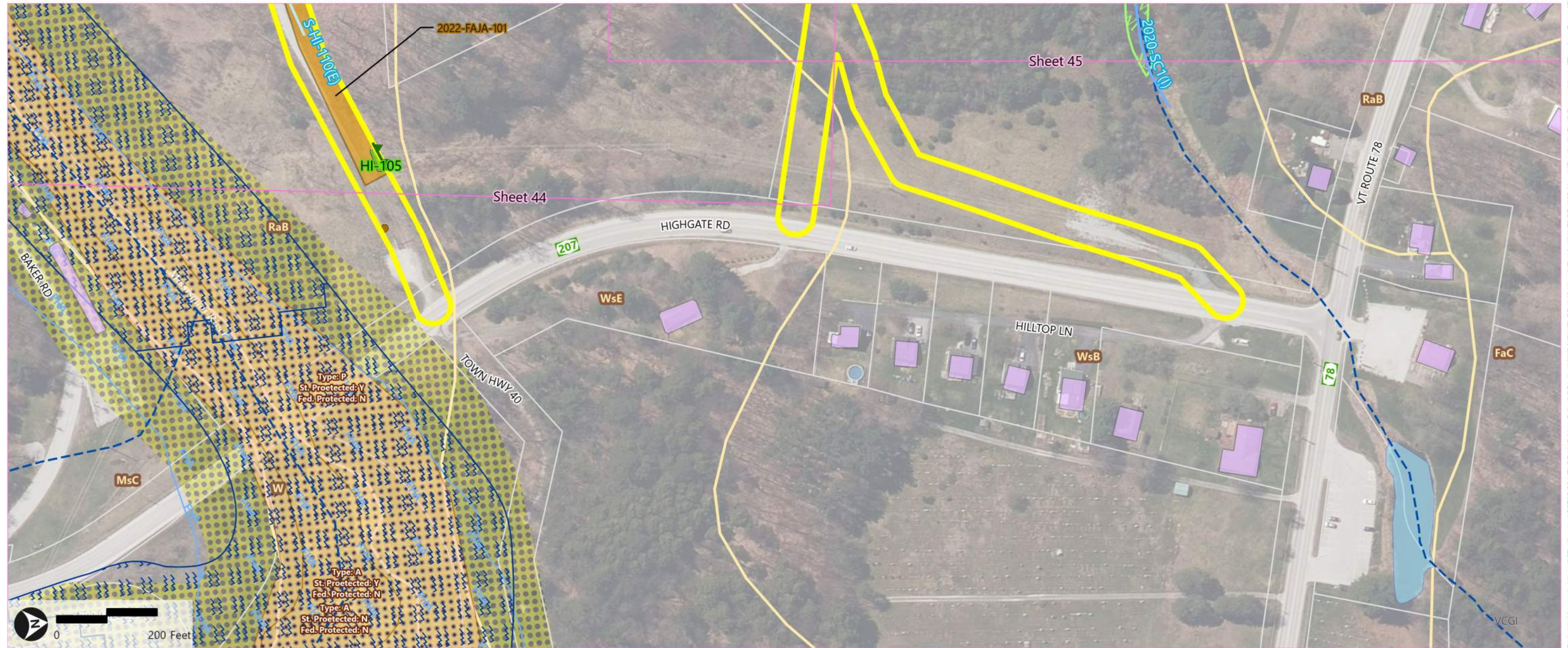
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Natural Resources Map Series - Sheet 59 of 59

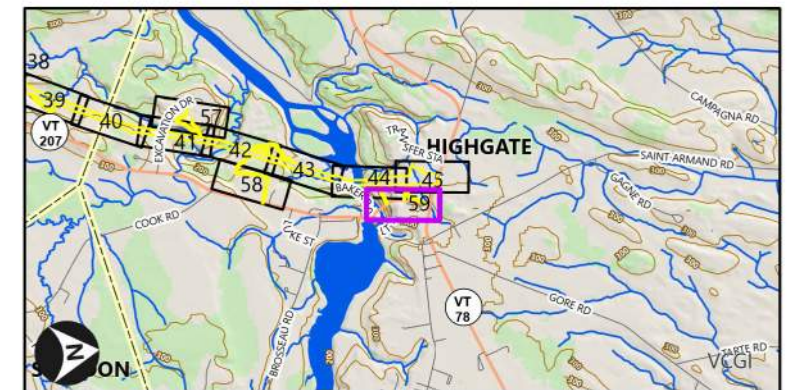
VELCO Franklin County Line Upgrade Project (FCLU) K-42 115 kV Line | Towns of Georgia, St. Albans, Swanton and Highgate, Vermont



December 21, 2023



- |  |                                   |                                   |
|--|-----------------------------------|-----------------------------------|
| Study Area (VHB)                       | Wetland Extends (VHB)             | VSWI Wetland (ANR)                |
| Sheet Outline (VHB)                    | Intermittent Stream (VHB/VELCO)   | VNHI Element Occurrence (FWD)     |
| NNIS - Point (VHB)                     | Ephemeral Stream (VHB/VELCO)      | NRCS Soil Boundary (VCGI)         |
| RTE (VHB/VELCO)                        | Stream (ANR)                      | Building Roofprints (2016) (VCGI) |
| NNIS - Polygon (VHB)                   | Waterbody (ANR)                   | Town Boundary (VCGI)              |
| Delineated Wetland (VHB/VELCO)         | River Corridor (ANR)              | Parcel Boundary (VCGI)            |
| Class II Wetland Buffer - 50 ft. (VHB) | FEMA Flood Zones (approx.) (NRPC) |                                   |



Legend Note - Only layers visible in the current map display are displayed in the legend.

NR Data Note: Natural resource field investigations performed by VHB (B. Galligan, A. Pierce, K. Maines, M. Jackman, R. Scott) during the months of May, June, July, August, October and December 2022.

Sources: Background imagery by VCGI (Collected in 2022); ANR (Vermont Agency of Natural Resources - Various Dates); VCGI (Vermont Center for Geographic Information - Various Dates); VTrans (Vermont Agency of Transportation - Hosted Feature Service); NRPC (Northwest Regional Planning Commission - ~2005); VELCO (Vermont Electric Power Company - Various Dates); VHB (Vanasse Hangen Brustlin - 2022-2023).

Path: \\vha.com\gis\proj\SB\urlington\58789.00 VELCO K42 Line Rebuild\Project\K42 Line NR\_rebuild\VELCO K42 Line NR\_rebuild\_Proj3.0.aprx (User: JTherrien, Date: 12/21/2023)