

ATTACHMENT 2

VELCO Franklin County Line Upgrade Project
Section 248 Criteria Impact Analysis - December 12, 2023 Line Design Revision

Prepared by: VHB
 1/15/2024

Structure Number	Revised Structure Location Delta (Feet)	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 Endangered Species (10 V.S.A. § 6086 (a)(8)(A))		Primary Agricultural Soils (10 V.S.A. § 6001(15))		Notes
		As-Filed Impact	Revised Location Impact	As-Filed Impact	Revised Location Impact	As-Filed Impact	Revised Location Impact	As-Filed Impact	Revised Location Impact	As-Filed Impact	Revised Location Impact	As-Filed Impact	Revised Location Impact	As-Filed Impact	Revised Location Impact	
Revised Structures Shifting > 10 feet																
210Y	31.2											X	X	X	X	Overall impact reduction. Structure shifted south to reduce impacts to RTE plant species. No change to PAS impact.
261	61.6													X	X	No change to impact. Revised structure remains in PAS.
262	Removed													X		Overall impact reduction. Structure removed from design resulting in less impacts to PAS.
264	20.0	X	X											X	X	Overall impact reduction. While still within river corridor, the revised structure moved further away from Mill River.
360	15.0															No change to impact. No impact to 248 criteria with as-filed or revised structure locations.
378	34.8							X	X							No change to impact. Revised structure remains in wetland buffer and agricultural field.
387	10.0							X	X							No change to impact. Revised structure remains in wetland buffer, but further away from wetland.
Revised Structures Shifting 5-10 Feet																

222	5.1													X	X	No change to impact. Revised structure remains in PAS.
225	5.1															No change to impact. No impact to 248 criteria with as-filed or revised structure locations.
227	5.7													X	X	No change to impact. Revised structure remains in PAS.
228	8.6													X	X	No change to impact. Revised structure remains in PAS.
229	5.1													X	X	No change to impact. Revised structure remains in PAS.
230	5.1															No change to impact. No impact to 248 criteria with as-filed or revised structure locations.
248	8.6	X	X											X	X	No change to impact. Revised structure remains in PAS and FHA.
255	8.6															No change to impact. No impact to 248 criteria with as-filed or revised structure locations.
294	9.8															No change to impact. No impact to 248 criteria with as-filed or revised structure locations.
339	7.0							X	X							No change to impact. Revised structure location remains in wetland buffer.
340	8.6													X	X	No change to impact. Revised structure location remains in PAS.
362	5.1													X	X	No change to impact. Revised structure location remains in PAS.

363	5.0							X	X							No change to impact. Revised structure location remains in wetland.
382	8.7							X	X							No change to impact. Revised structure location remains in wetland buffer.
400	9.3							X	X			X	X			No change to impact. Revised structure location remains in wetland buffer and vernal pool buffer.
421	9.2													X	X	No change to impact. Revised structure location remains in PAS.

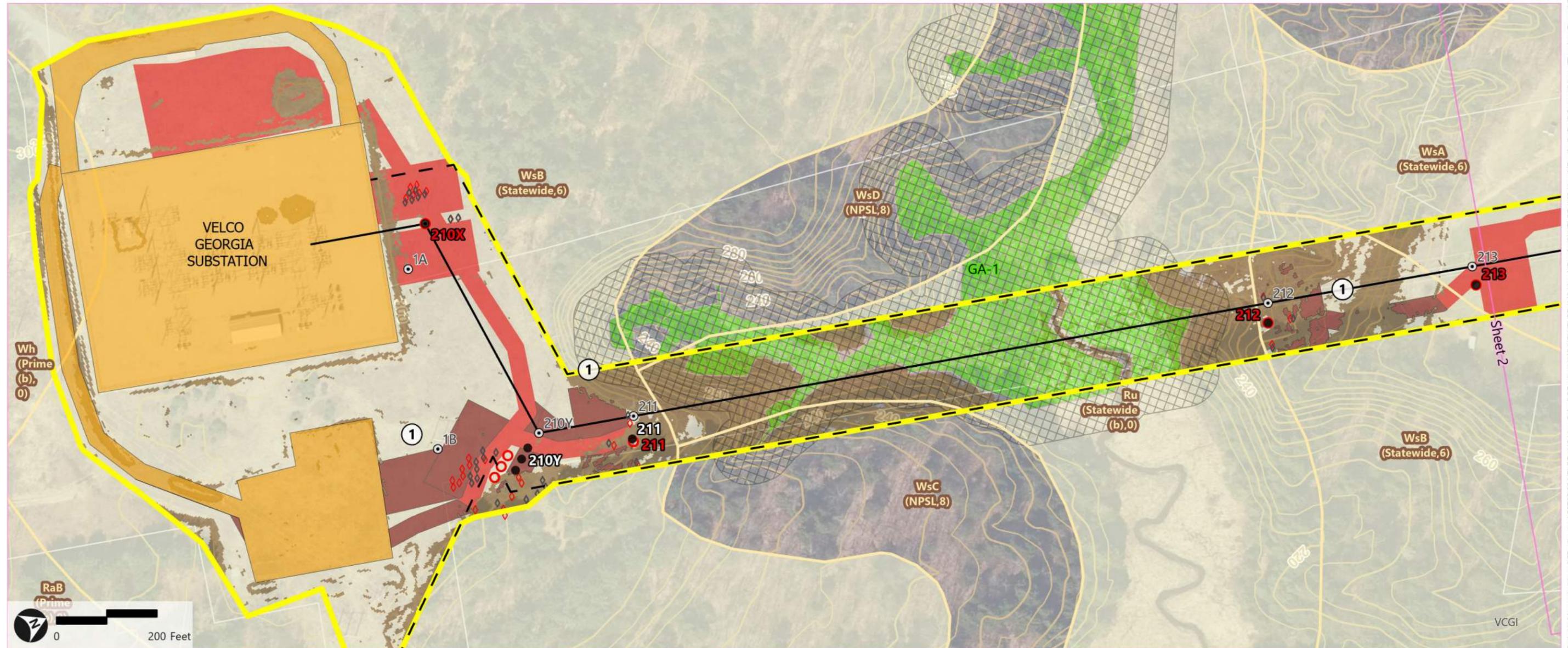
ATTACHMENT 3

Primary Agricultural Soils (PAS) Map Series - Sheet 1 of 59

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



October 17, 2023
Revised: January 26, 2024



- | | | |
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| Prime Ag. Soil - Physical Disturbance (VHB) | Class II Wetland Buffer - 50 ft. (VHB) | Existing Transmission Line (VELCO) |
| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Sheet Outline (VHB) | Edge of ROW (VELCO) |
| Prior PAS Impacts (VELCO/VHB) | Proposed Structures (248 Filing) (VELCO) | Town Boundary (VCGI) |
| NRCS Soil Boundary (VCGI) | Proposed Structures (Dec 2023) (VELCO) | Parcel Boundary (VCGI) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Guy Anchors (248 Filing) (VELCO) | Areas with 15% or greater slope (VCGI) |
| Study Area (VHB) | Proposed Guy Anchors (Dec 2023) (VELCO) | |
| Class II Wetland (VHB/VELCO) | Existing Structure (VELCO) | |

Note:
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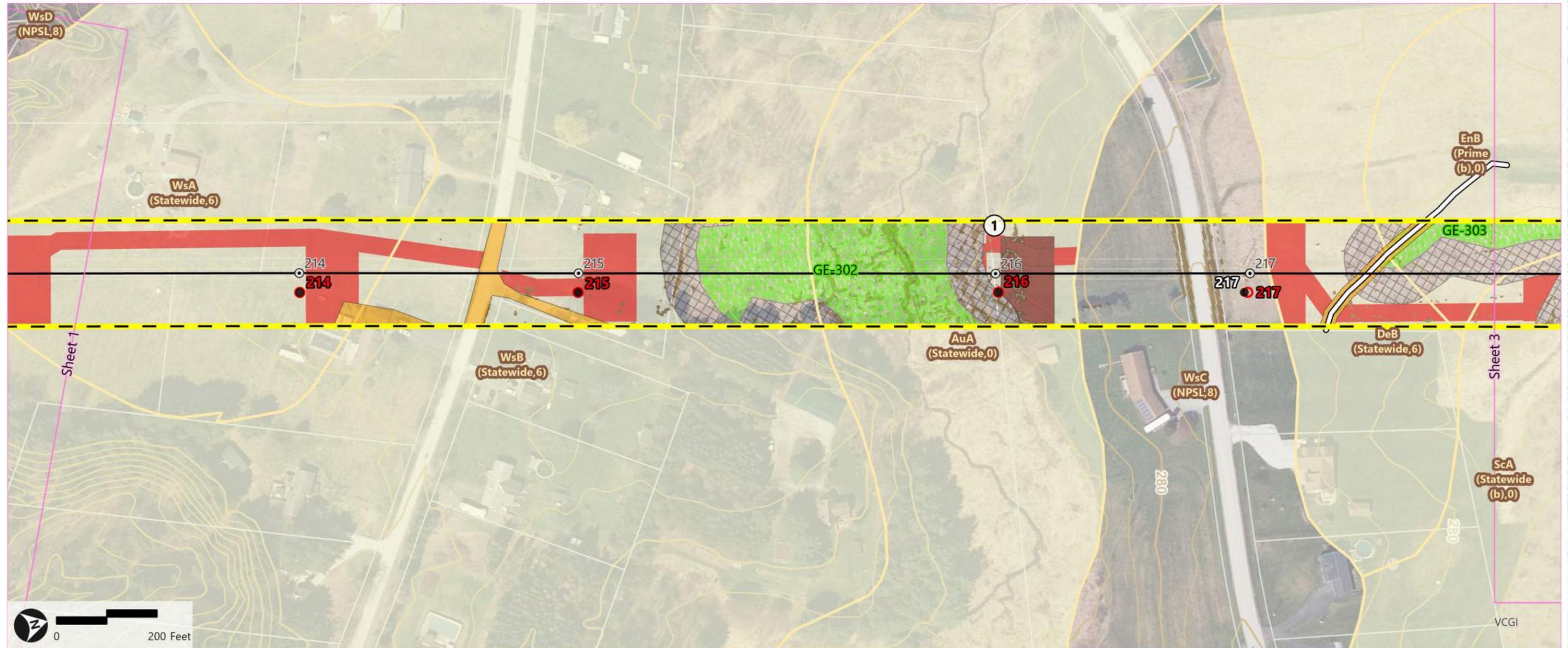
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Primary Agricultural Soils (PAS) Map Series - Sheet 2 of 59

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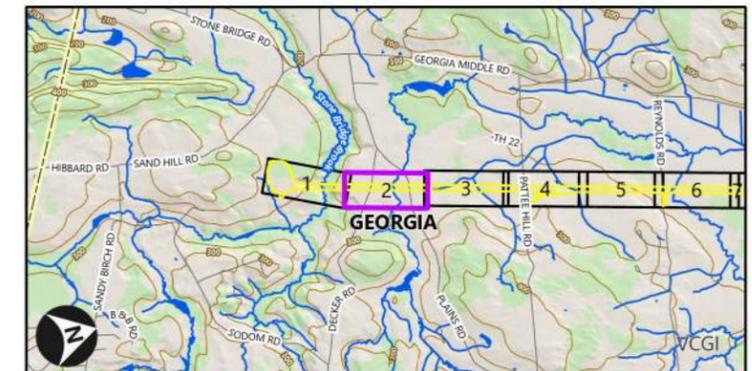


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| Prime Ag. Soil - Physical Disturbance (VHB) | Study Area (VHB) | Existing Structure (VELCO) |
| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Class II Wetland (VHB/VELCO) | Existing Transmission Line (VELCO) |
| Prior PAS Impacts (VELCO/VHB) | Class II Wetland Buffer - 50 ft. (VHB) | Edge of ROW (VELCO) |
| NRCS Soil Boundary (VCGI) | Sheet Outline (VHB) | Town Boundary (VCGI) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Structures (248 Filing) (VELCO) | Parcel Boundary (VCGI) |
| Previously Identified Underground Infrastructure (VELCO) | Proposed Structures (Dec 2023) (VELCO) | Areas with 15% or greater slope (VCGI) |

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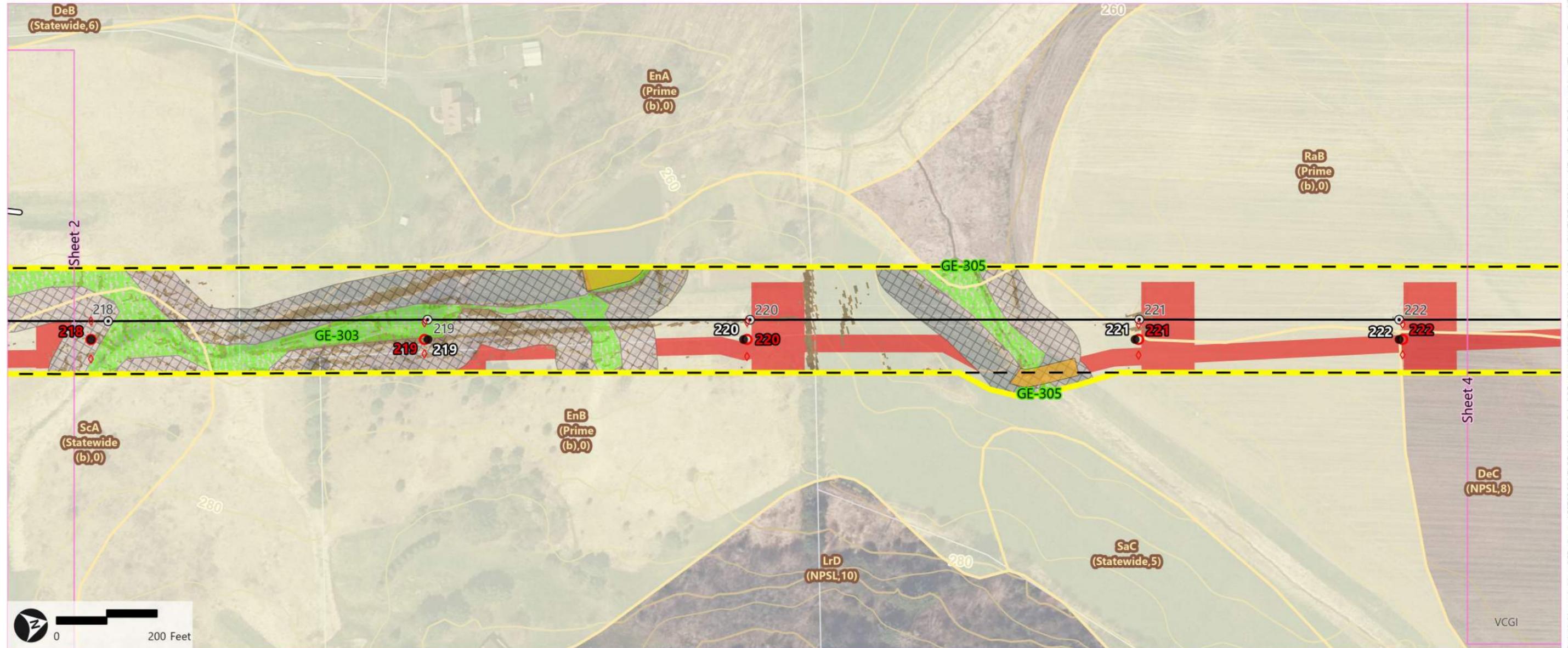
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Primary Agricultural Soils (PAS) Map Series - Sheet 3 of 59

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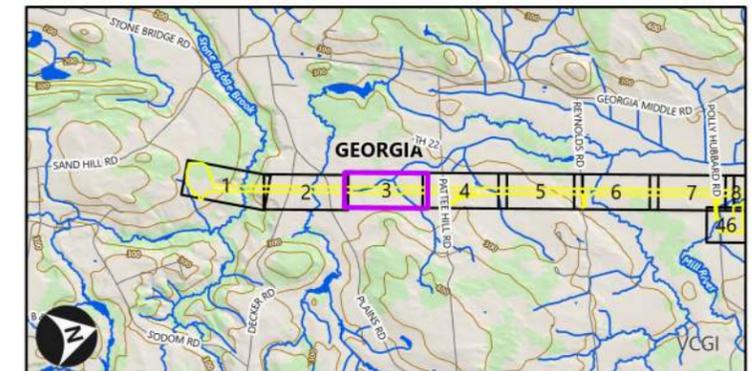


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| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Class II Wetland (VHB/VELCO) | Existing Transmission Line (VELCO) |
| Prior PAS Impacts (VELCO/VHB) | Class II Wetland Buffer - 50 ft. (VHB) | Edge of ROW (VELCO) |
| Non Functional PAS (VELCO/VHB) | Sheet Outline (VHB) | Town Boundary (VCGI) |
| NRCS Soil Boundary (VCGI) | Proposed Structures (248 Filing) (VELCO) | Parcel Boundary (VCGI) |
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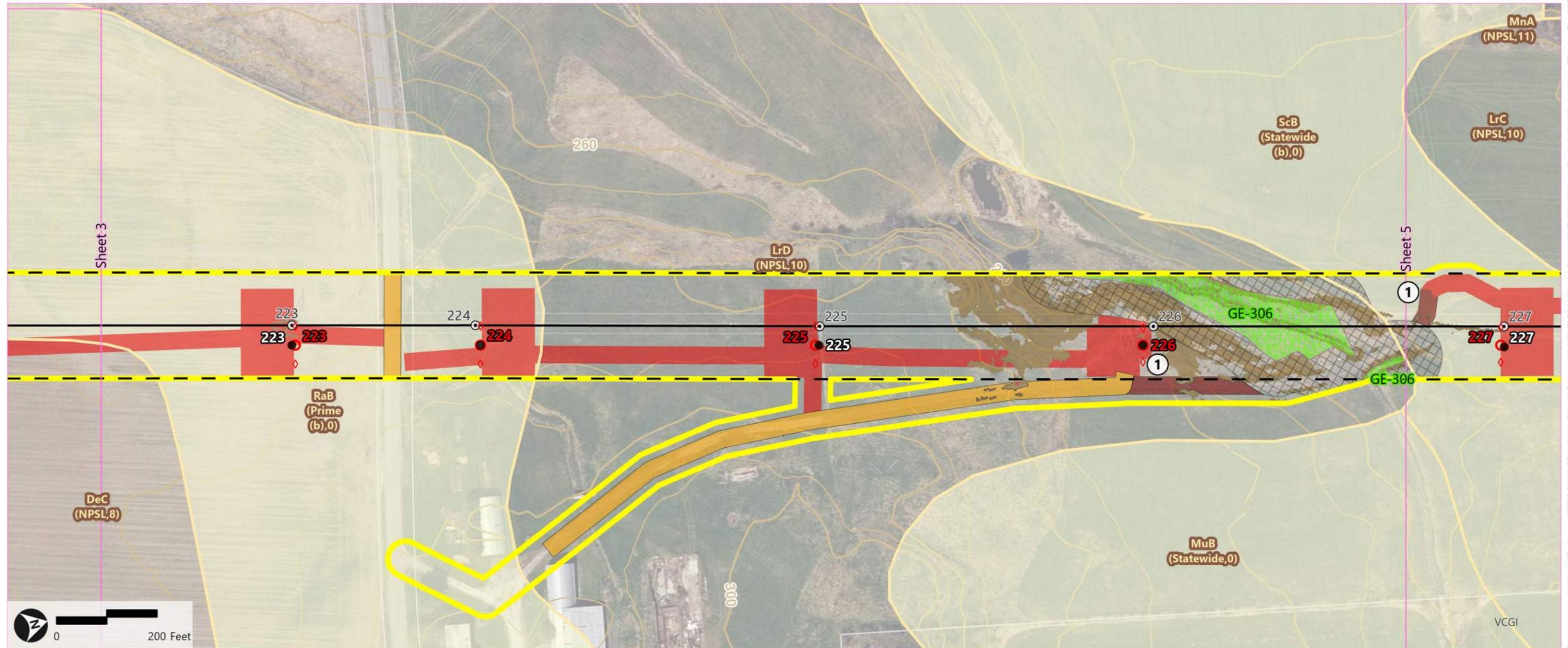
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Primary Agricultural Soils (PAS) Map Series - Sheet 4 of 59

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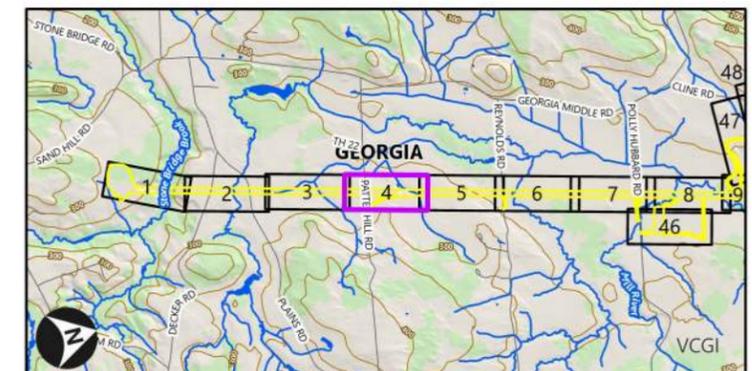


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| Prime Ag. Soil - Physical Disturbance (VHB) | Class II Wetland (VHB/VELCO) | Existing Structure (VELCO) |
| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Class II Wetland Buffer - 50 ft. (VHB) | Existing Transmission Line (VELCO) |
| Prior PAS Impacts (VELCO/VHB) | Sheet Outline (VHB) | Edge of ROW (VELCO) |
| NRCS Soil Boundary (VCGI) | Proposed Structures (248 Filing) (VELCO) | Town Boundary (VCGI) |
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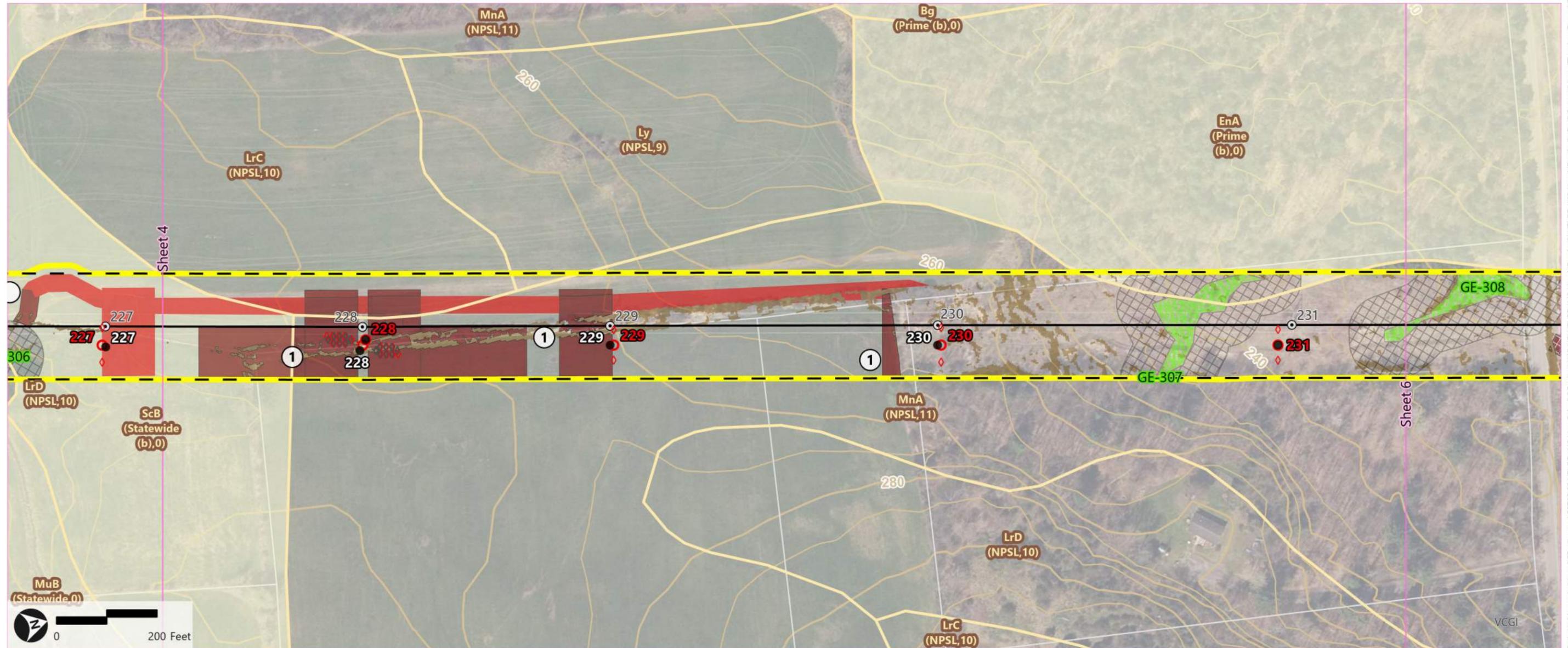
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Primary Agricultural Soils (PAS) Map Series - Sheet 5 of 59

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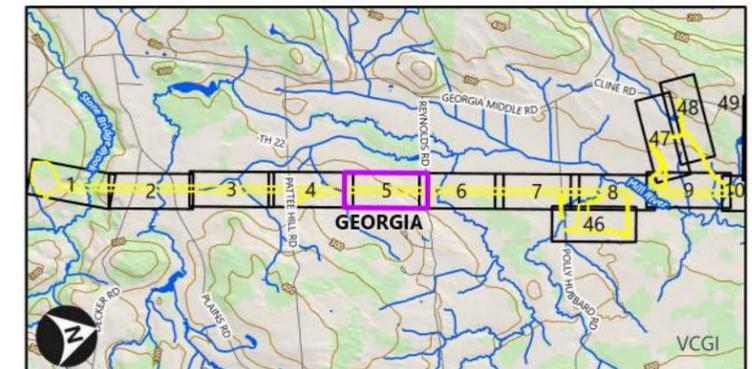


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| Prime Ag. Soil - Physical Disturbance (VHB) | Class II Wetland Buffer - 50 ft. (VHB) | Existing Transmission Line (VELCO) |
| Prime Ag. Soil - Permanent Disturbance (VHB) | Sheet Outline (VHB) | Edge of ROW (VELCO) |
| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Proposed Structures (248 Filing) (VELCO) | Town Boundary (VCGI) |
| NRCS Soil Boundary (VCGI) | Proposed Structures (Dec 2023) (VELCO) | Parcel Boundary (VCGI) |
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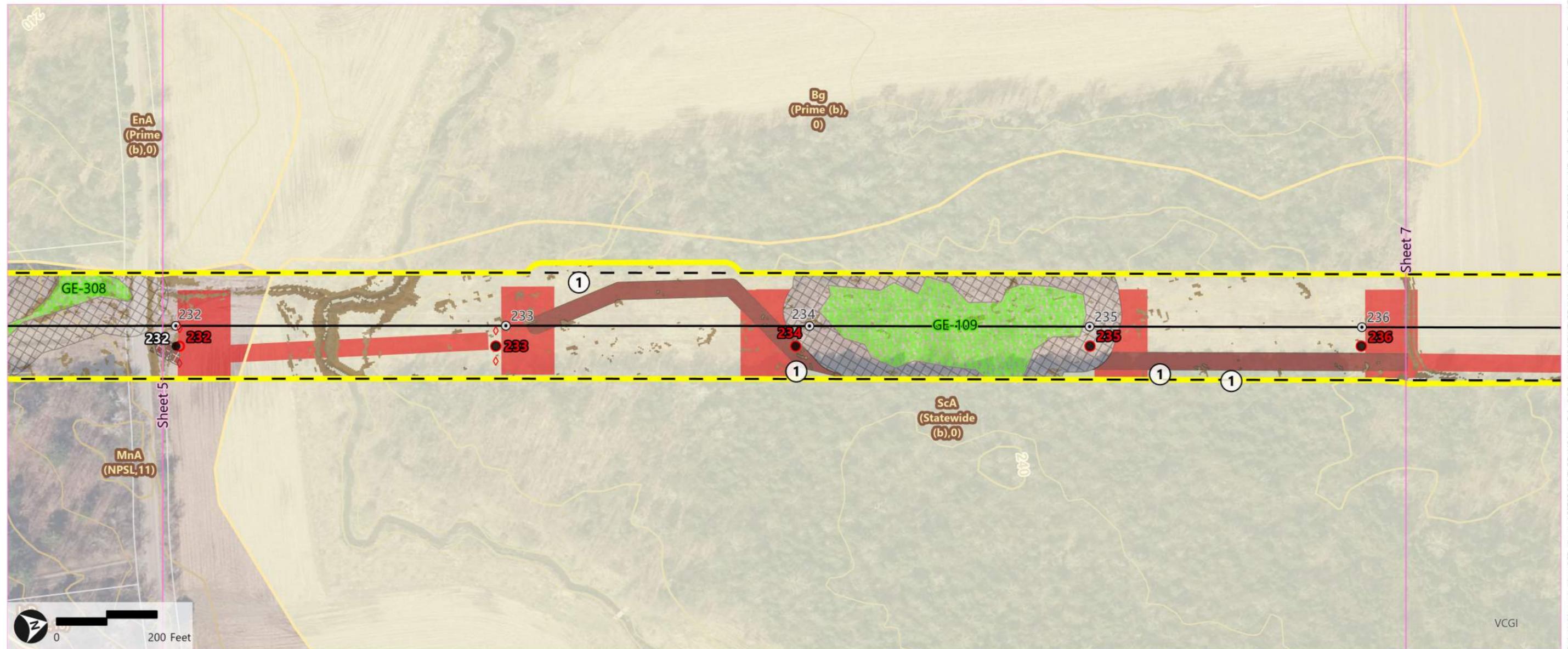
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Primary Agricultural Soils (PAS) Map Series - Sheet 6 of 59

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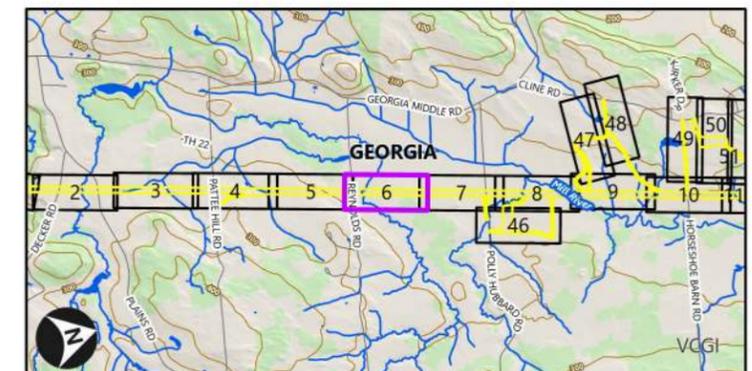


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| Prime Ag. Soil - Permanent Disturbance (VHB) | Class II Wetland Buffer - 50 ft. (VHB) | Existing Transmission Line (VELCO) |
| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Sheet Outline (VHB) | Edge of ROW (VELCO) |
| NRCS Soil Boundary (VCGI) | Proposed Structures (248 Filing) (VELCO) | Town Boundary (VCGI) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Structures (Dec 2023) (VELCO) | Parcel Boundary (VCGI) |
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Primary Agricultural Soils (PAS) Map Series - Sheet 7 of 59

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



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- Prime Ag. Soil - Physical Disturbance (VHB)
- Prime Ag. Soil - Construction Phase Physical Disturbance (VHB)
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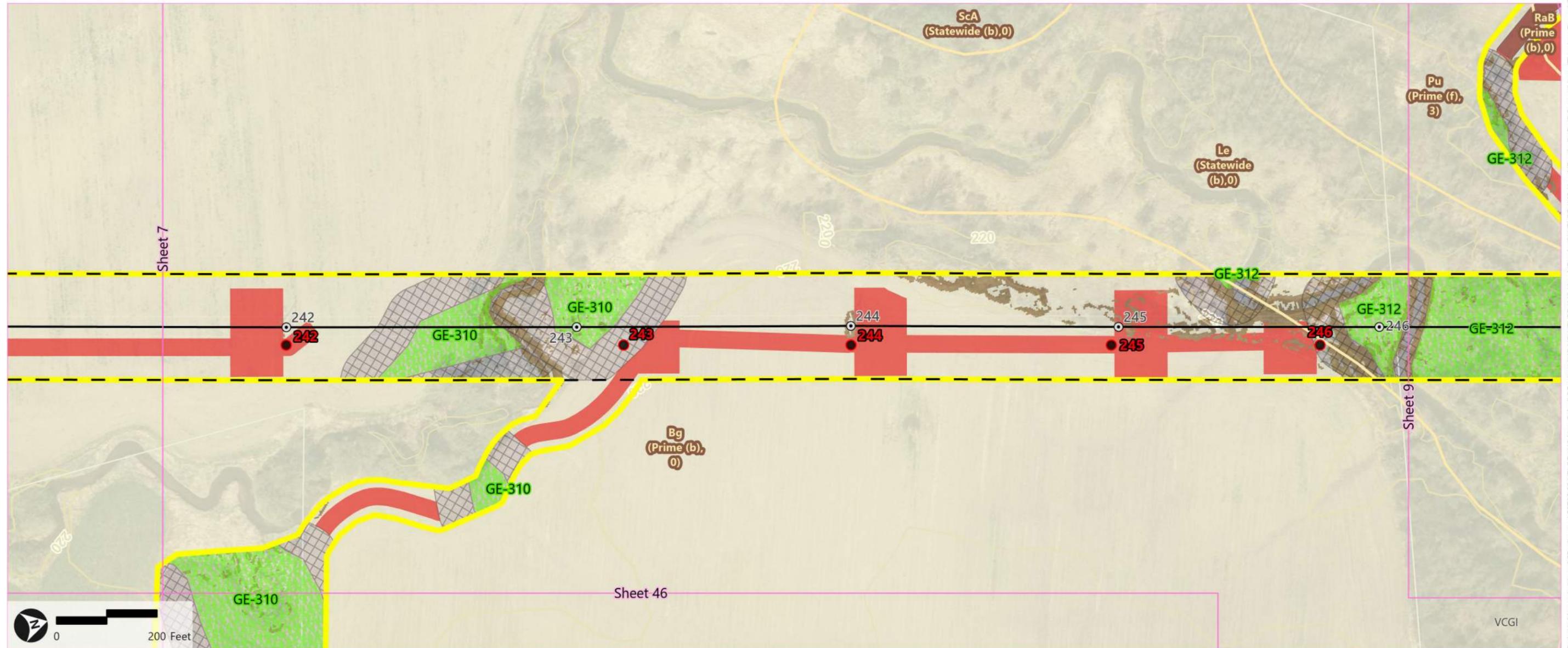
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Primary Agricultural Soils (PAS) Map Series - Sheet 8 of 59

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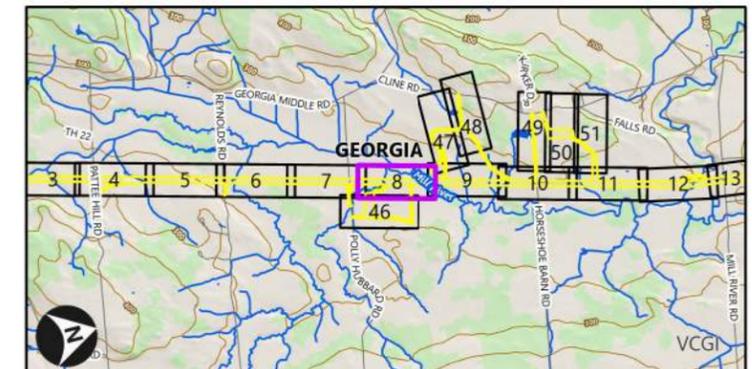
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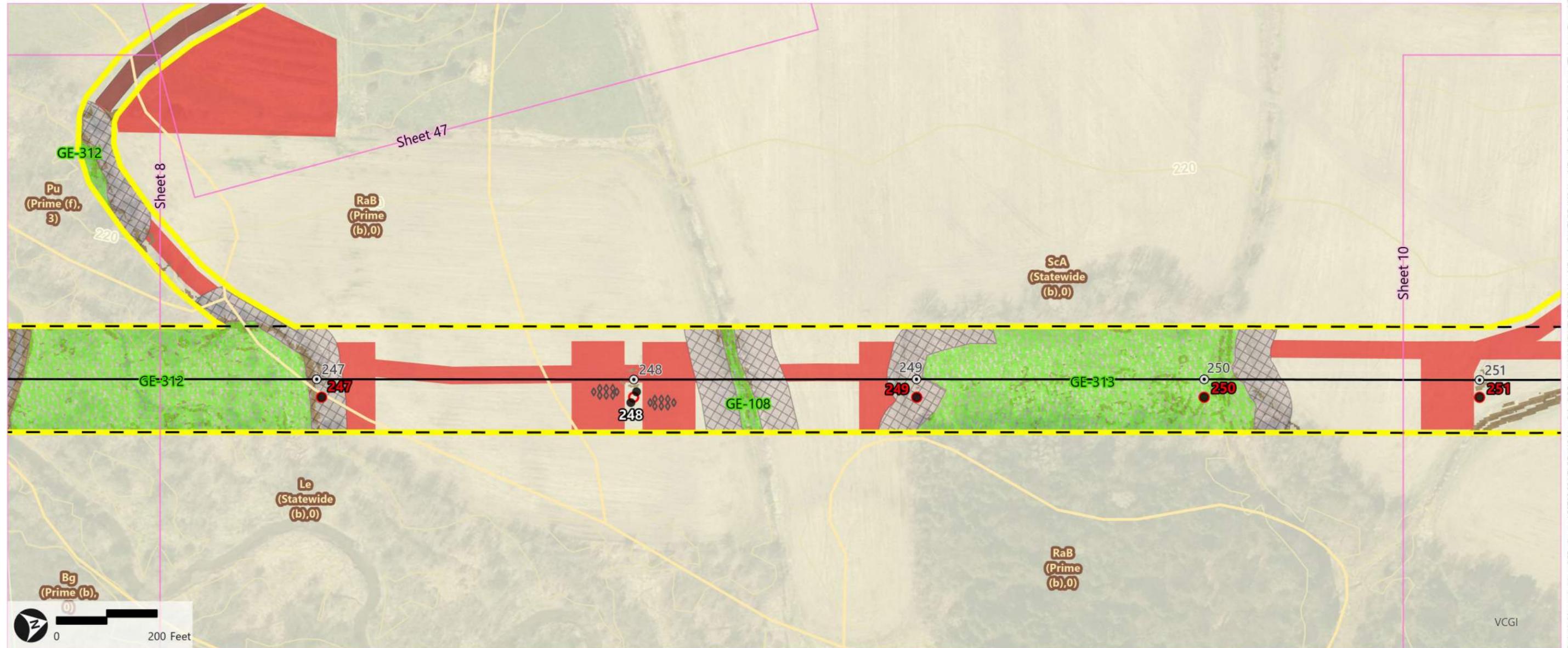
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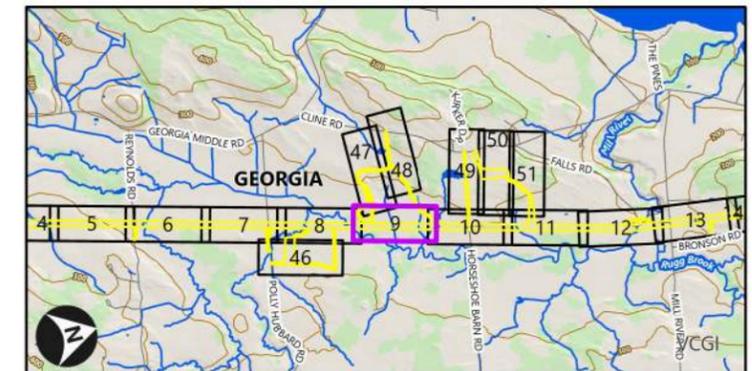


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| Class II Wetland (VHB/VELCO) | Existing Structure (VELCO) | |

Note:
This map shows areas of proposed access and work areas based on current design and for the purpose of enumerating physical disturbance within PAS. Minor modifications may occur based on field adjustments, work processes, and/or design amendments and will be limited to lands within the Study Area. Limited vehicular traffic, staging of materials and equipment, matting, and other project activities not likely to impact PAS will occur outside of the disturbance areas.

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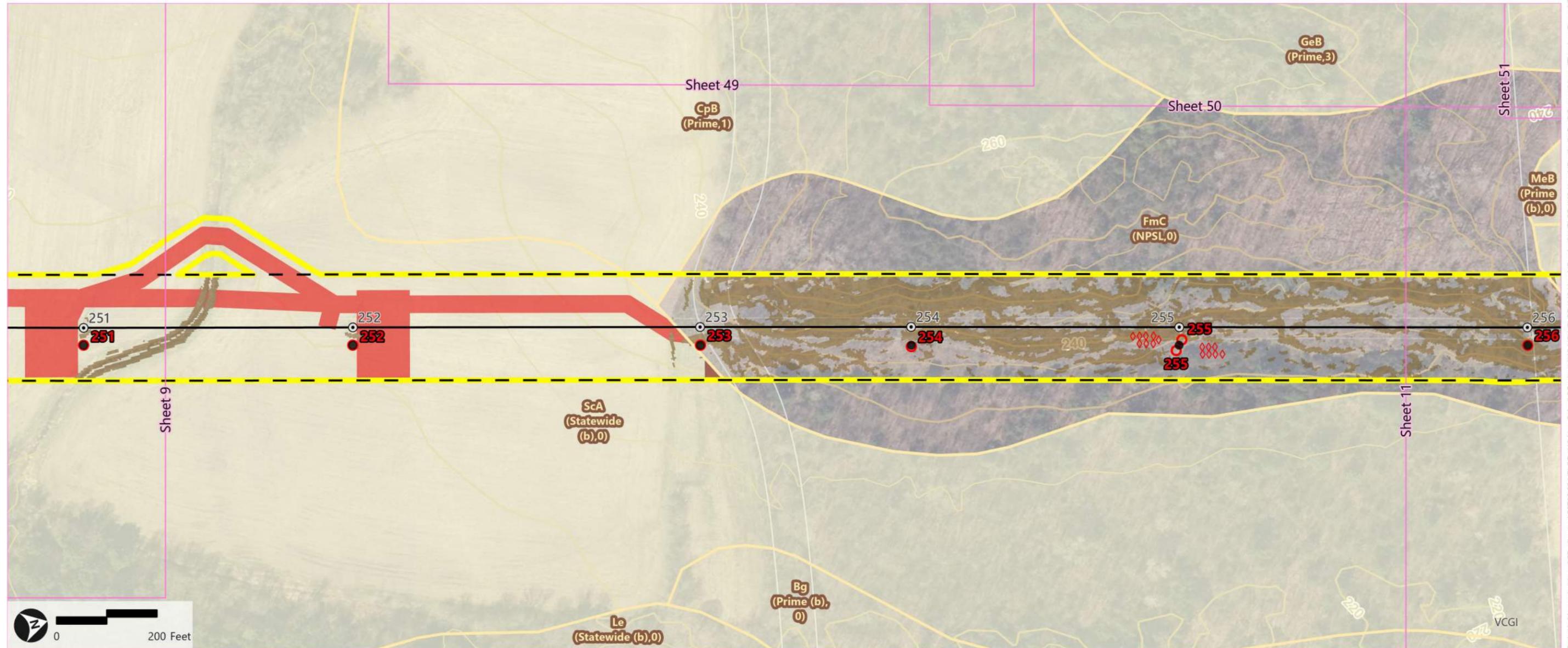
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Primary Agricultural Soils (PAS) Map Series - Sheet 10 of 59

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



October 17, 2023
Revised: January 26, 2024

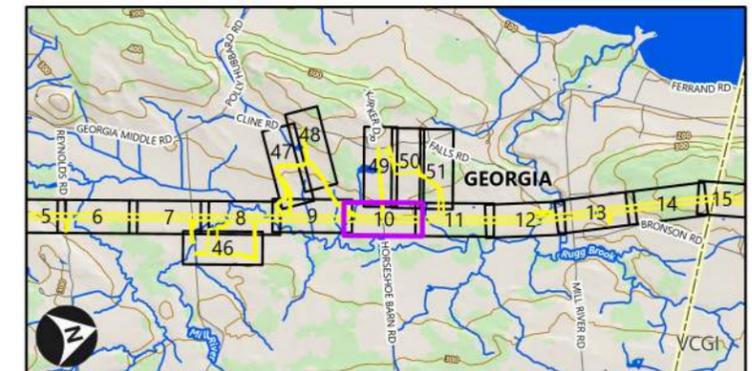


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| Prime Ag. Soil - Physical Disturbance (VHB) | Sheet Outline (VHB) | Existing Transmission Line (VELCO) |
| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Proposed Structures (248 Filing) (VELCO) | Edge of ROW (VELCO) |
| NRCS Soil Boundary (VCGI) | Proposed Structures (Dec 2023) (VELCO) | Town Boundary (VCGI) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Guy Anchors (Dec 2023) (VELCO) | Parcel Boundary (VCGI) |
| Study Area (VHB) | Existing Structure (VELCO) | Areas with 15% or greater slope (VCGI) |

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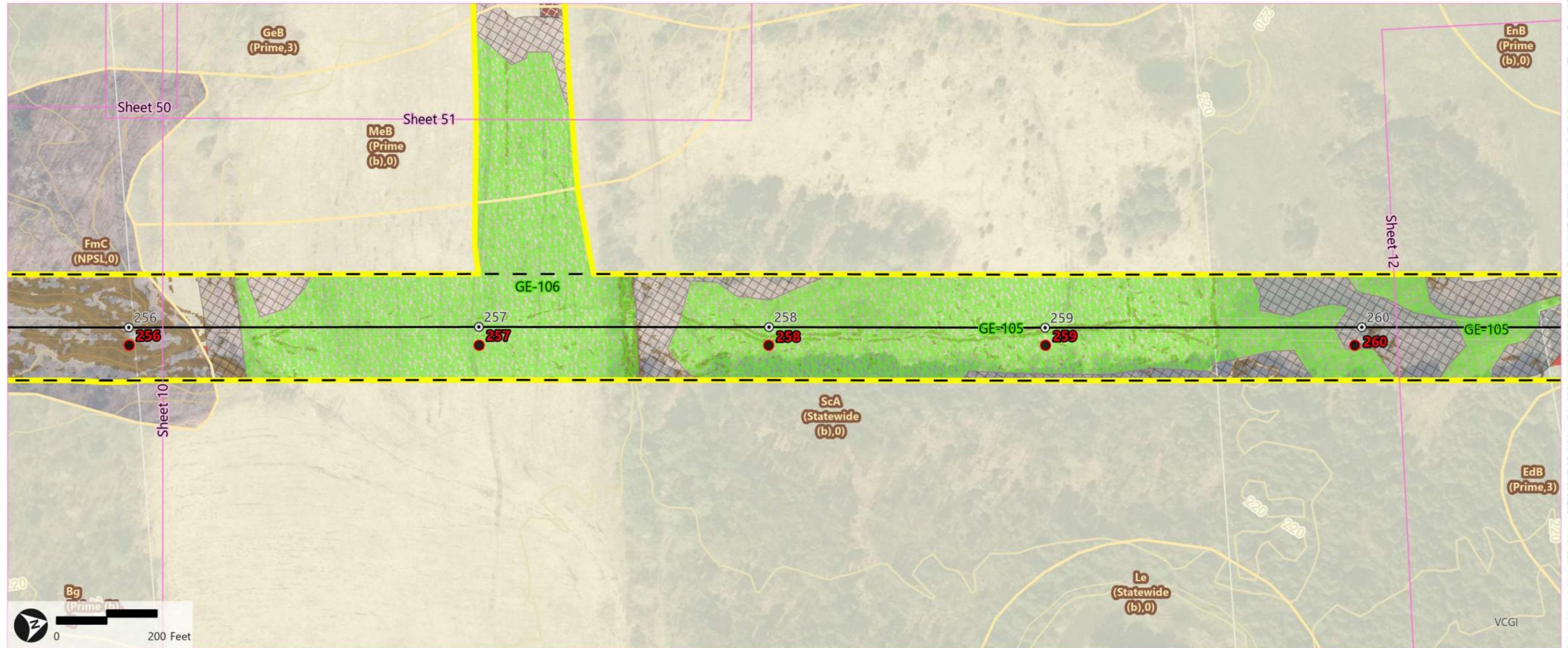
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Primary Agricultural Soils (PAS) Map Series - Sheet 11 of 59

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



October 17, 2023
Revised: January 26, 2024



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| Prime Ag. Soil - Physical Disturbance (VHB) | Class II Wetland (VHB/VELCO) | Existing Transmission Line (VELCO) |
| Prime Ag. Soil - Permanent Disturbance (VHB) | Class II Wetland Buffer - 50 ft. (VHB) | Edge of ROW (VELCO) |
| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Sheet Outline (VHB) | Town Boundary (VCGI) |
| NRCS Soil Boundary (VCGI) | Proposed Structures (248 Filing) (VELCO) | Parcel Boundary (VCGI) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Structures (Dec 2023) (VELCO) | Areas with 15% or greater slope (VCGI) |
| Study Area (VHB) | Existing Structure (VELCO) | |

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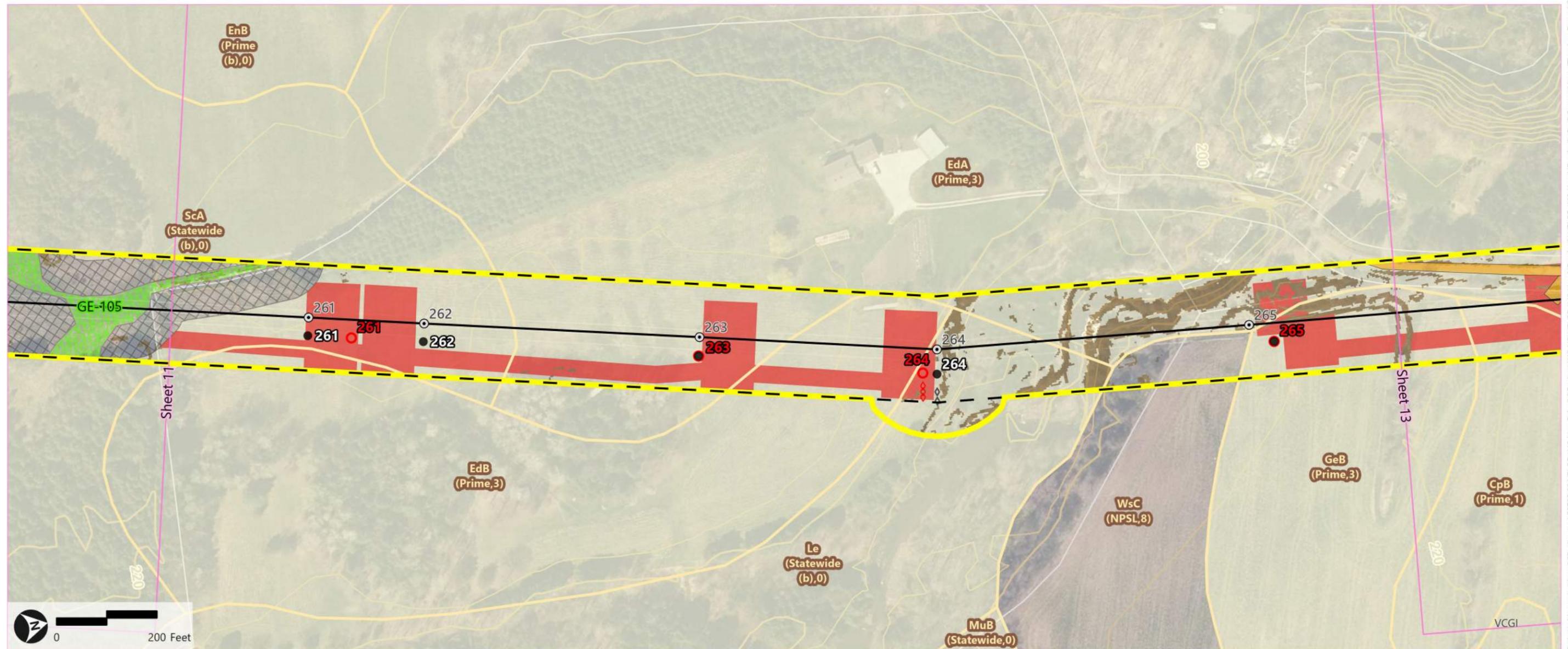
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Primary Agricultural Soils (PAS) Map Series - Sheet 12 of 59

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



October 17, 2023
Revised: January 26, 2024

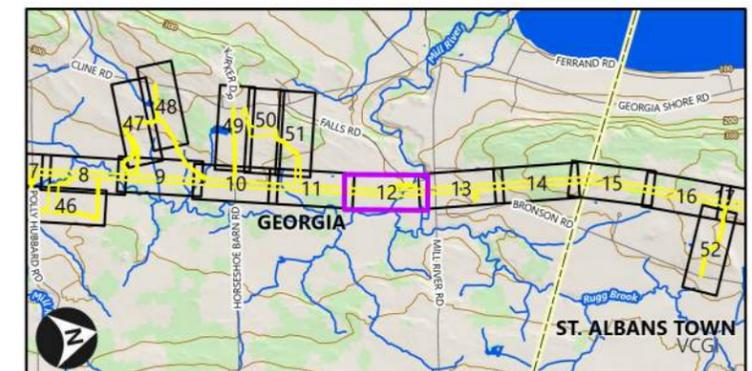


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| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Class II Wetland Buffer - 50 ft. (VHB) | Existing Transmission Line (VELCO) |
| Prior PAS Impacts (VELCO/VHB) | Sheet Outline (VHB) | Edge of ROW (VELCO) |
| Non Functional PAS (VELCO/VHB) | Proposed Structures (248 Filing) (VELCO) | Town Boundary (VCGI) |
| NRCS Soil Boundary (VCGI) | Proposed Structures (Dec 2023) (VELCO) | Parcel Boundary (VCGI) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Guy Anchors (248 Filing) (VELCO) | Areas with 15% or greater slope (VCGI) |
| Study Area (VHB) | Proposed Guy Anchors (Dec 2023) (VELCO) | |
| Class II Wetland (VHB/VELCO) | Existing Structure (VELCO) | |

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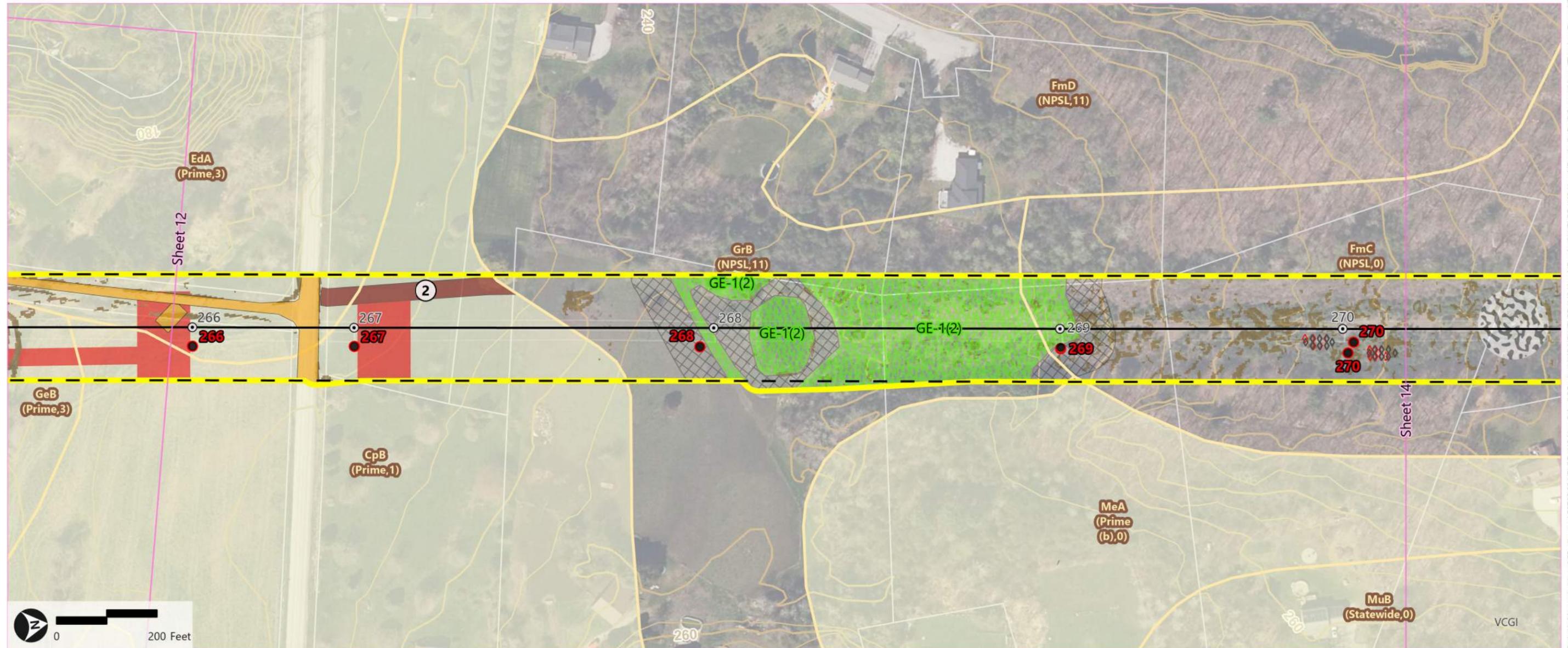
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Primary Agricultural Soils (PAS) Map Series - Sheet 13 of 59

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



October 17, 2023
Revised: January 26, 2024



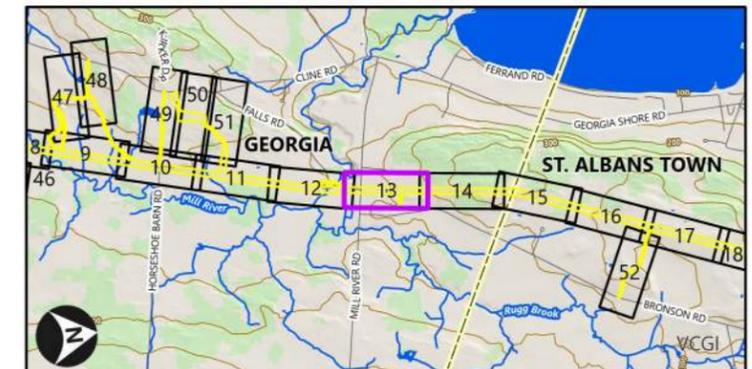
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| Prime Ag. Soil - Physical Disturbance (VHB) | Study Area (VHB) | Proposed Guy Anchors (Dec 2023) (VELCO) |
| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Class II Wetland (VHB/VELCO) | Existing Structure (VELCO) |
| Prior PAS Impacts (VELCO/VHB) | Class II Wetland Buffer - 50 ft. (VHB) | Existing Transmission Line (VELCO) |
| Non Functional PAS (VELCO/VHB) | Sheet Outline (VHB) | Edge of ROW (VELCO) |
| NRCS Soil Boundary (VCGI) | Proposed Structures (248 Filing) (VELCO) | Town Boundary (VCGI) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Structures (Dec 2023) (VELCO) | Parcel Boundary (VCGI) |
| Areas of Exposed Rock/Ledge (VELCO/VHB) | Proposed Guy Anchors (248 Filing) (VELCO) | Areas with 15% or greater slope (VCGI) |

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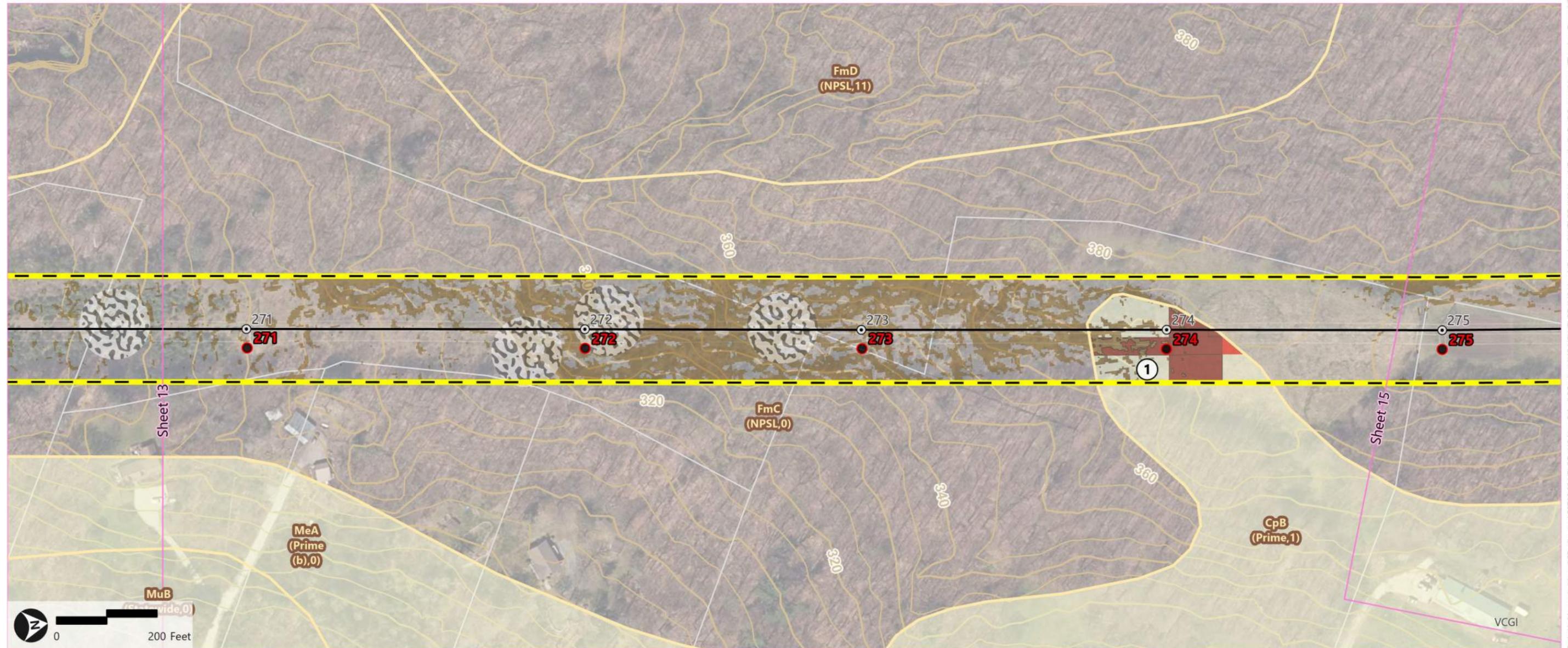
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Primary Agricultural Soils (PAS) Map Series - Sheet 14 of 59

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



October 17, 2023
Revised: January 26, 2024

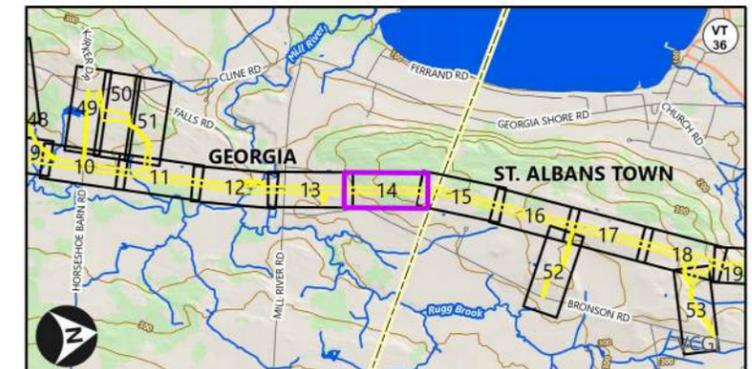


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| Prime Ag. Soil - Physical Disturbance (VHB) | Study Area (VHB) | Existing Transmission Line (VELCO) |
| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Sheet Outline (VHB) | Edge of ROW (VELCO) |
| NRCS Soil Boundary (VCGI) | Proposed Structures (248 Filing) (VELCO) | Town Boundary (VCGI) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Structures (Dec 2023) (VELCO) | Parcel Boundary (VCGI) |
| Areas of Exposed Rock/Ledge (VELCO/VHB) | Existing Structure (VELCO) | Areas with 15% or greater slope (VCGI) |

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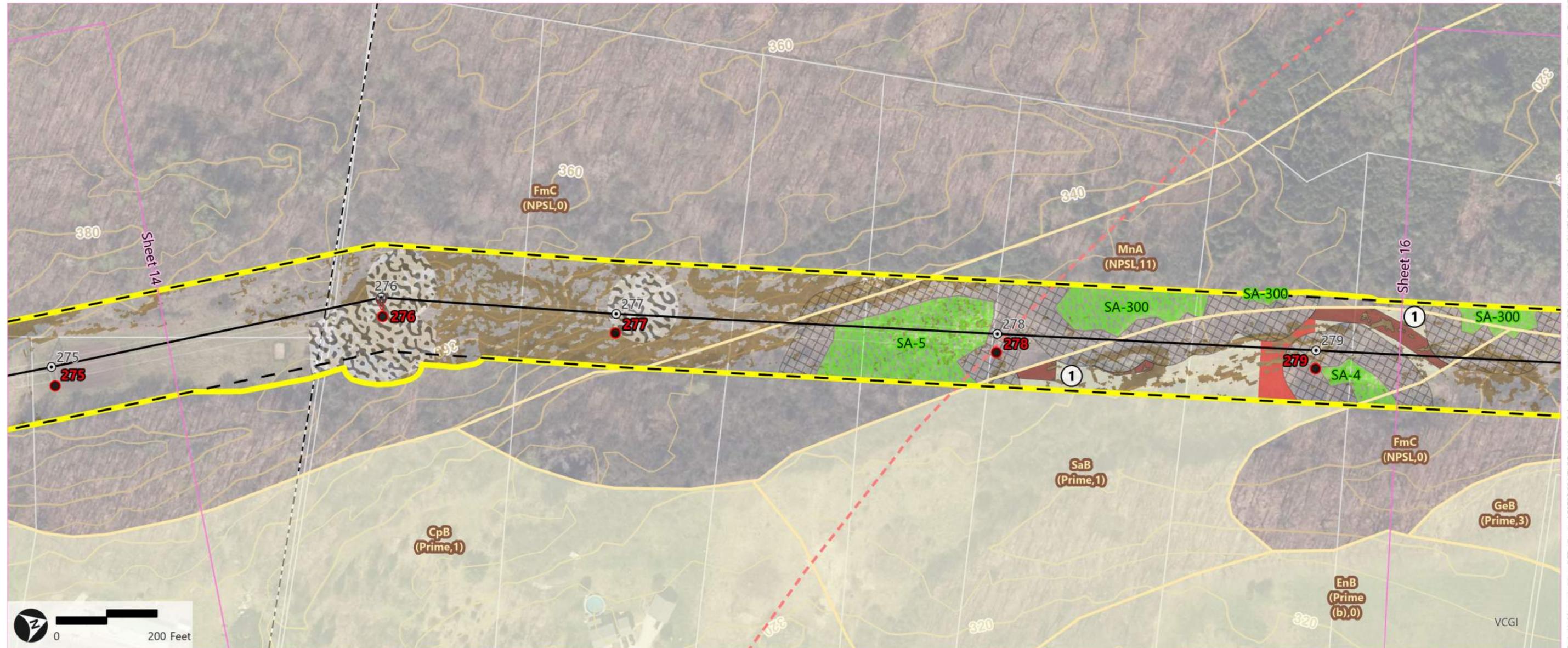
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Primary Agricultural Soils (PAS) Map Series - Sheet 15 of 59

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



October 17, 2023
Revised: January 26, 2024



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| Prime Ag. Soil - Physical Disturbance (VHB) | Class II Wetland Buffer - 50 ft. (VHB) | Existing Transmission Line (VELCO) |
| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Sheet Outline (VHB) | Edge of ROW (VELCO) |
| NRCS Soil Boundary (VCGI) | Proposed Structures (248 Filing) (VELCO) | VAST Trail (VCGI) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Structures (Dec 2023) (VELCO) | Town Boundary (VCGI) |
| Areas of Exposed Rock/Ledge (VELCO/VHB) | Proposed Guy Anchors (248 Filing) (VELCO) | Parcel Boundary (VCGI) |
| Study Area (VHB) | Proposed Guy Anchors (Dec 2023) (VELCO) | Areas with 15% or greater slope (VCGI) |
| Class II Wetland (VHB/VELCO) | Existing Structure (VELCO) | |

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Primary Agricultural Soils (PAS) 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



October 17, 2023
Revised: January 26, 2024



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| Prime Ag. Soil - Physical Disturbance (VHB) | Class II Wetland Buffer - 50 ft. (VHB) | Edge of ROW (VELCO) |
| Non Functional PAS (VELCO/VHB) | Sheet Outline (VHB) | Town Boundary (VCGI) |
| NRCS Soil Boundary (VCGI) | Proposed Structures (248 Filing) (VELCO) | Parcel Boundary (VCGI) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Structures (Dec 2023) (VELCO) | Areas with 15% or greater slope (VCGI) |
| Study Area (VHB) | Existing Structure (VELCO) | |
| Class II Wetland (VHB/VELCO) | Existing Transmission Line (VELCO) | |

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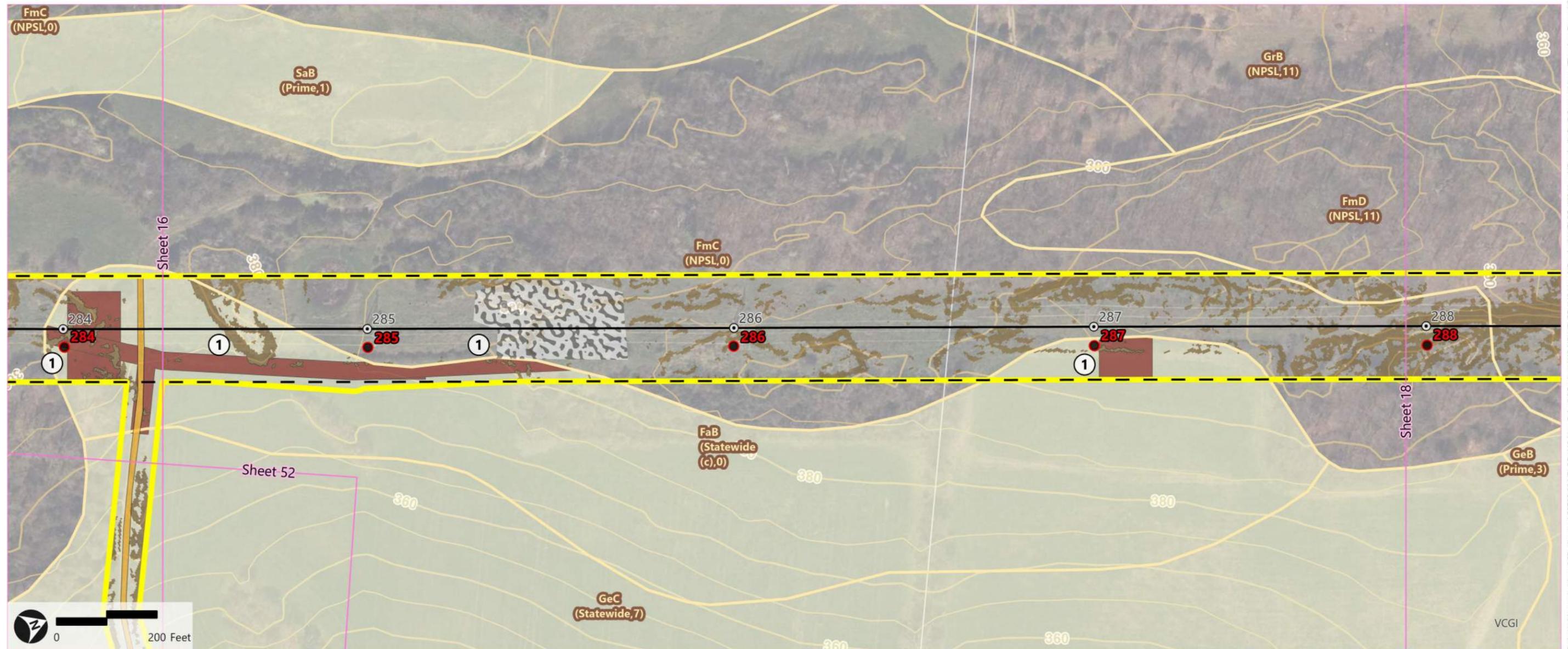
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Primary Agricultural Soils (PAS) Map Series - Sheet 17 of 59

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



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Revised: January 26, 2024



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| Prime Ag. Soil - Physical Disturbance (VHB) | Study Area (VHB) | Existing Transmission Line (VELCO) |
| Non Functional PAS (VELCO/VHB) | Sheet Outline (VHB) | Edge of ROW (VELCO) |
| NRCS Soil Boundary (VCGI) | Proposed Structures (248 Filing) (VELCO) | Town Boundary (VCGI) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Structures (Dec 2023) (VELCO) | Parcel Boundary (VCGI) |
| Areas of Exposed Rock/Ledge (VELCO/VHB) | Existing Structure (VELCO) | Areas with 15% or greater slope (VCGI) |

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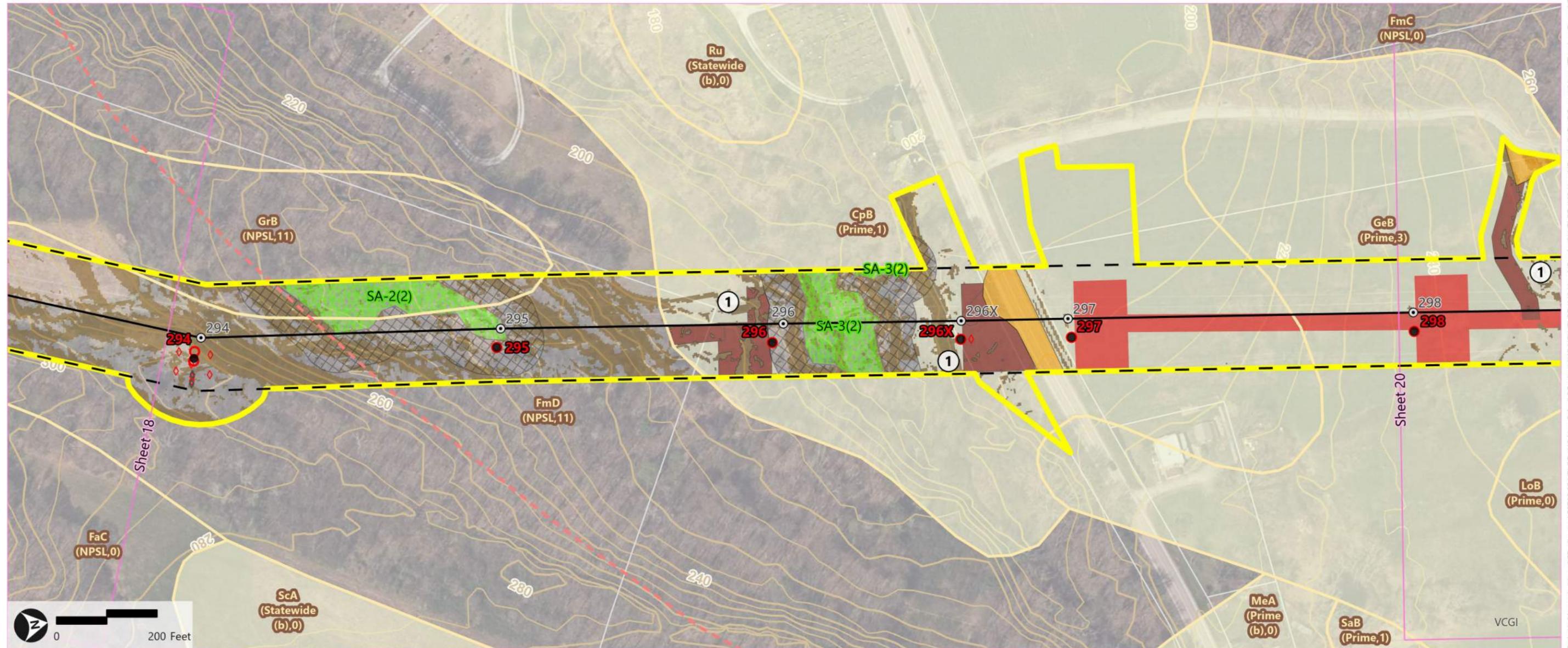
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Primary Agricultural Soils (PAS) Map Series - Sheet 19 of 59

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



October 17, 2023
Revised: January 26, 2024

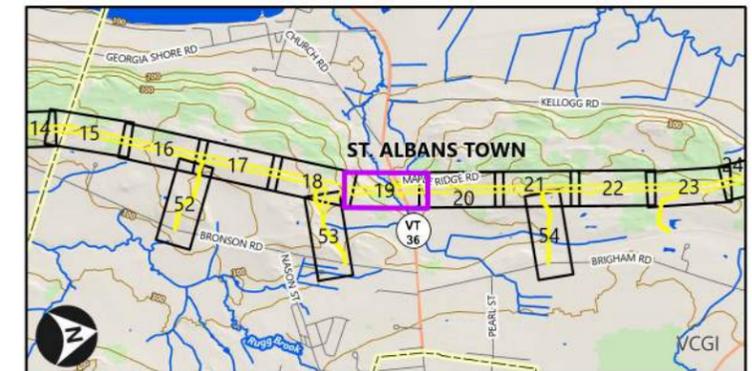


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| Prime Ag. Soil - Physical Disturbance (VHB) | Class II Wetland Buffer - 50 ft. (VHB) | Existing Transmission Line (VELCO) |
| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Sheet Outline (VHB) | Edge of ROW (VELCO) |
| Prior PAS Impacts (VELCO/VHB) | Proposed Structures (248 Filing) (VELCO) | VAST Trail (VCGI) |
| NRCS Soil Boundary (VCGI) | Proposed Structures (Dec 2023) (VELCO) | Town Boundary (VCGI) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Guy Anchors (248 Filing) (VELCO) | Parcel Boundary (VCGI) |
| Study Area (VHB) | Proposed Guy Anchors (Dec 2023) (VELCO) | Areas with 15% or greater slope (VCGI) |
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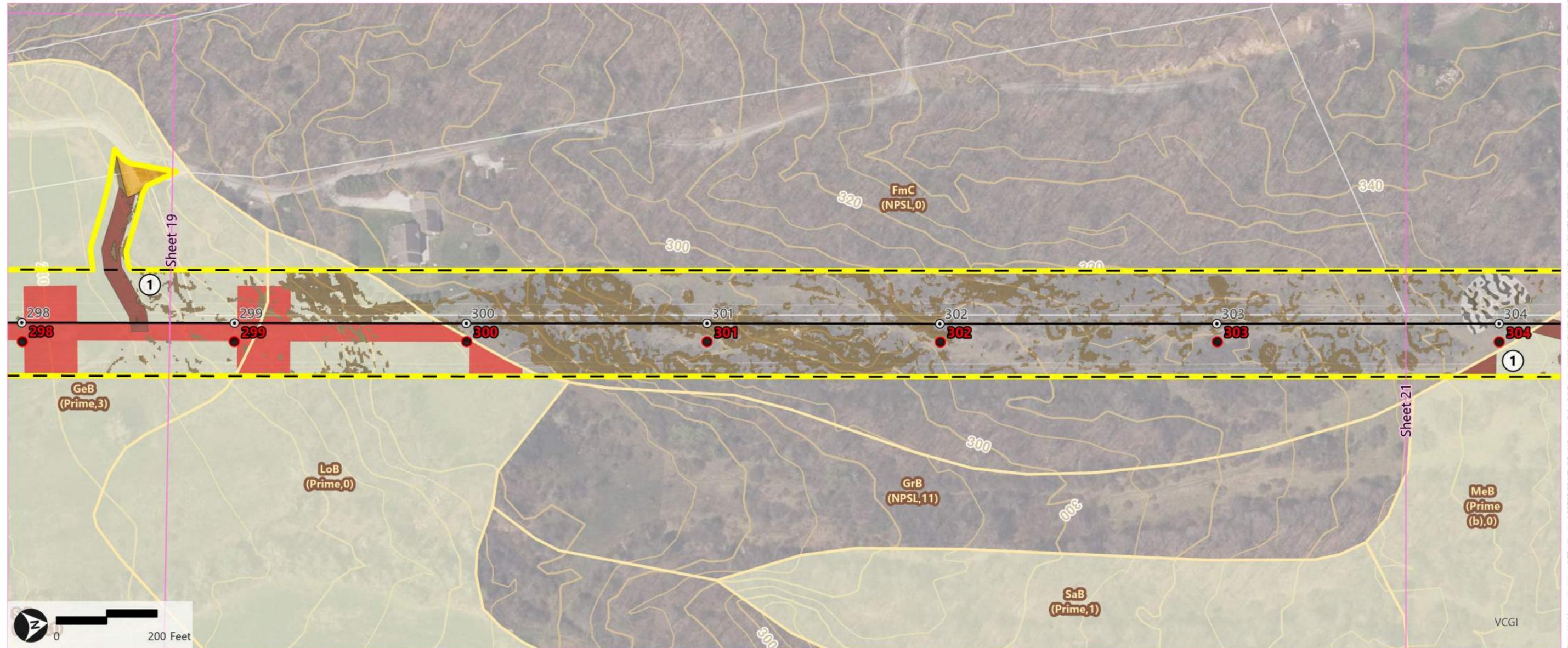
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Primary Agricultural Soils (PAS) Map Series - Sheet 20 of 59

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



October 17, 2023
Revised: January 26, 2024



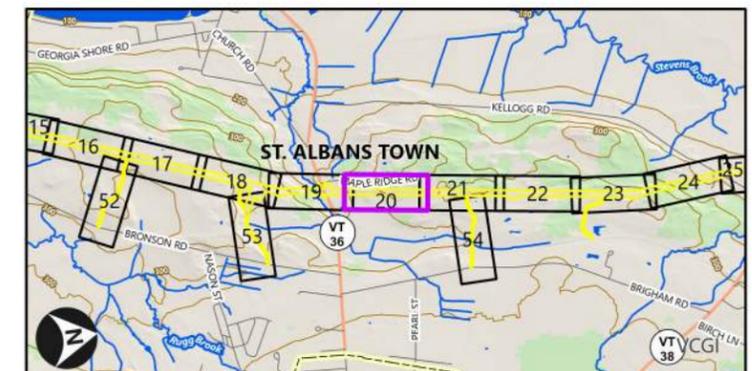
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|--|--|--|
| Prime Ag. Soil - Physical Disturbance (VHB) | Study Area (VHB) | Edge of ROW (VELCO) |
| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Sheet Outline (VHB) | Town Boundary (VCGI) |
| Prior PAS Impacts (VELCO/VHB) | Proposed Structures (248 Filing) (VELCO) | Parcel Boundary (VCGI) |
| NRCS Soil Boundary (VCGI) | Proposed Structures (Dec 2023) (VELCO) | Areas with 15% or greater slope (VCGI) |
| Prime Agricultural Soils (PAS) (VCGI) | Existing Structure (VELCO) | |
| Areas of Exposed Rock/Ledge (VELCO/VHB) | Existing Transmission Line (VELCO) | |

Note:

This map shows areas of proposed access and work areas based on current design and for the purpose of enumerating physical disturbance within PAS. Minor modifications may occur based on field adjustments, work processes, and/or design amendments and will be limited to lands within the Study Area. Limited vehicular traffic, staging of materials and equipment, matting, and other project activities not likely to impact PAS will occur outside of the disturbance areas.

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PAS Map Notes:

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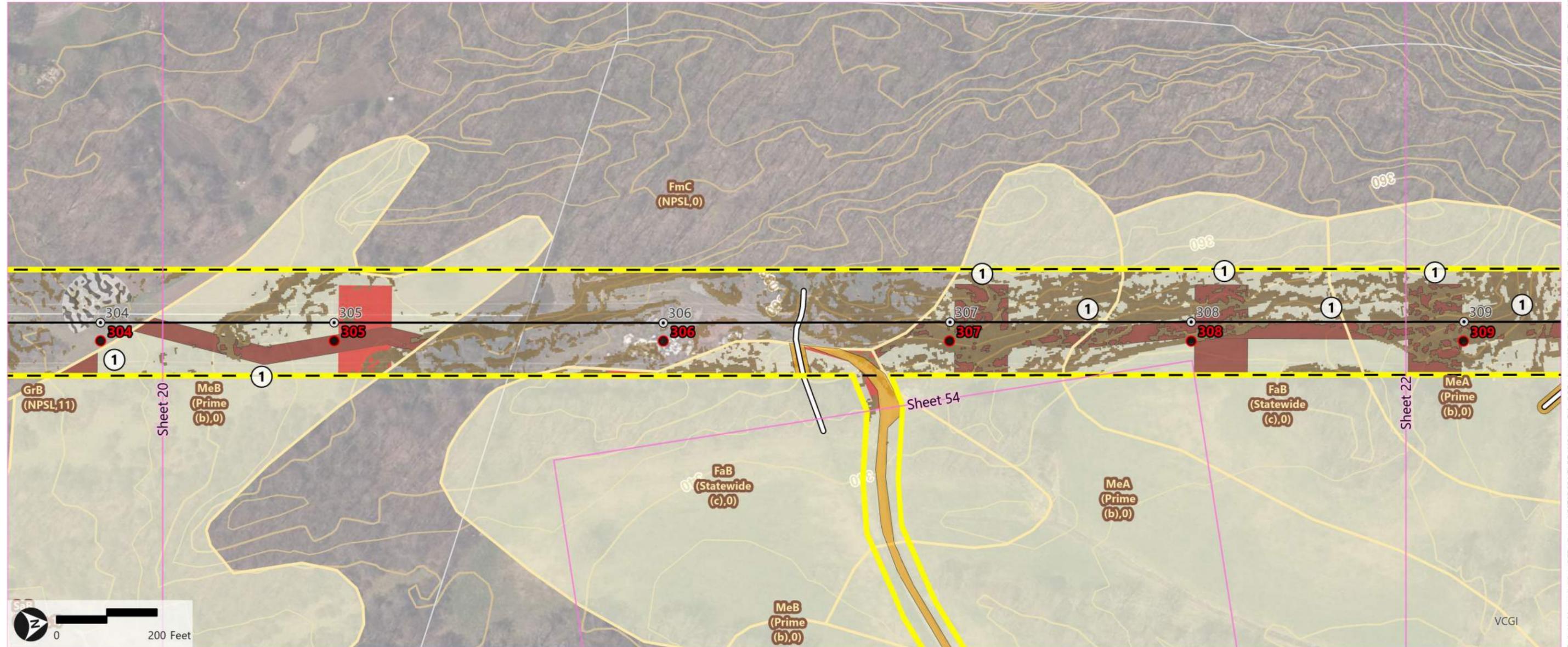
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Primary Agricultural Soils (PAS) Map Series - Sheet 21 of 59

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



October 17, 2023
Revised: January 26, 2024

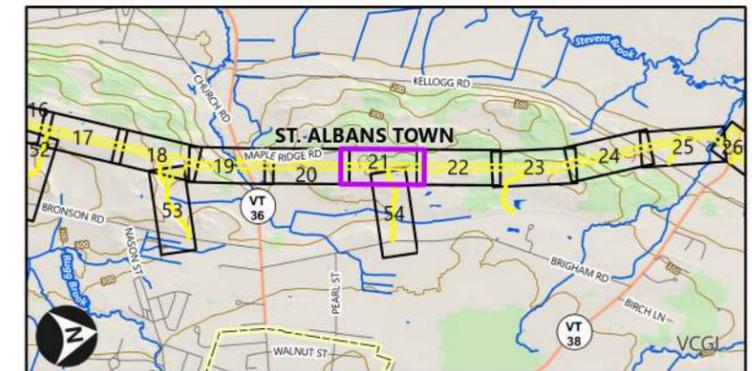


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| Prime Ag. Soil - Physical Disturbance (VHB) | Previously Identified Underground Infrastructure (VELCO) | Existing Transmission Line (VELCO) |
| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Study Area (VHB) | Edge of ROW (VELCO) |
| Prior PAS Impacts (VELCO/VHB) | Sheet Outline (VHB) | Town Boundary (VCGI) |
| NRCS Soil Boundary (VCGI) | Proposed Structures (248 Filing) (VELCO) | Parcel Boundary (VCGI) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Structures (Dec 2023) (VELCO) | Areas with 15% or greater slope (VCGI) |
| Areas of Exposed Rock/Ledge (VELCO/VHB) | Existing Structure (VELCO) | |

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Primary Agricultural Soils (PAS) 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



October 17, 2023
Revised: January 26, 2024

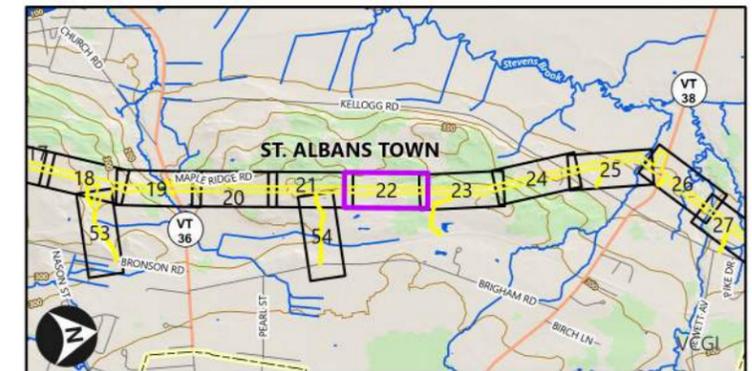


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| Prime Ag. Soil - Physical Disturbance (VHB) | Study Area (VHB) | Existing Transmission Line (VELCO) |
| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Class II Wetland (VHB/VELCO) | Edge of ROW (VELCO) |
| Prior PAS Impacts (VELCO/VHB) | Class II Wetland Buffer - 50 ft. (VHB) | Town Boundary (VCGI) |
| NRCS Soil Boundary (VCGI) | Sheet Outline (VHB) | Parcel Boundary (VCGI) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Structures (248 Filing) (VELCO) | Areas with 15% or greater slope (VCGI) |
| Areas of Exposed Rock/Ledge (VELCO/VHB) | Proposed Structures (Dec 2023) (VELCO) | |
| Previously Identified Underground Infrastructure (VELCO) | Existing Structure (VELCO) | |

Note:
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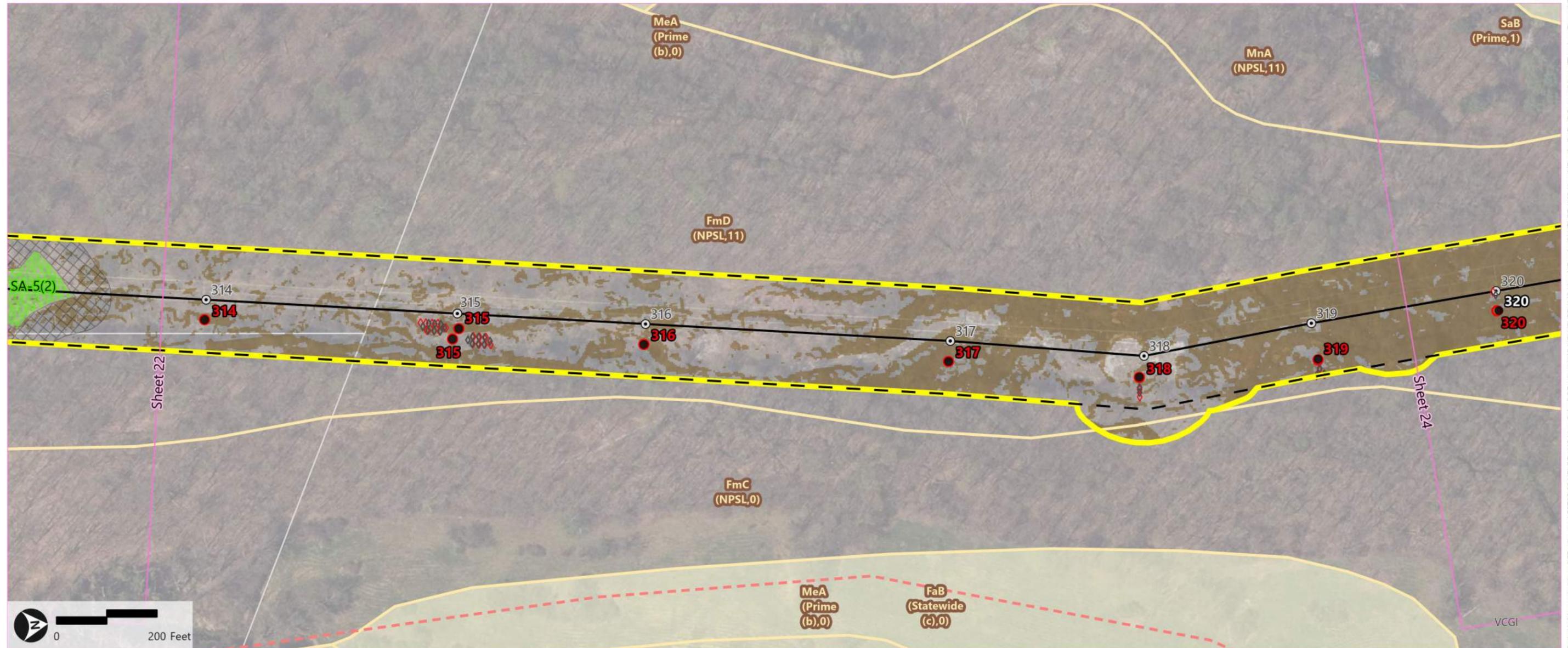
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Primary Agricultural Soils (PAS) Map Series - Sheet 23 of 59

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



October 17, 2023
Revised: January 26, 2024

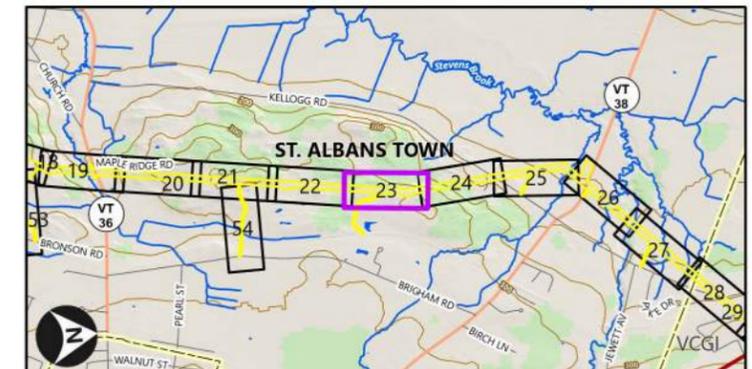


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| NRCS Soil Boundary (VCGI) | Proposed Structures (248 Filing) (VELCO) | Edge of ROW (VCGI) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Structures (Dec 2023) (VELCO) | VAST Trail (VCGI) |
| Study Area (VHB) | Proposed Guy Anchors (248 Filing) (VELCO) | Town Boundary (VCGI) |
| Class II Wetland (VHB/VELCO) | Proposed Guy Anchors (Dec 2023) (VELCO) | Parcel Boundary (VCGI) |
| Class II Wetland Buffer - 50 ft. (VHB) | Existing Structure (VELCO) | Areas with 15% or greater slope (VCGI) |
| Sheet Outline (VHB) | Existing Transmission Line (VELCO) | |

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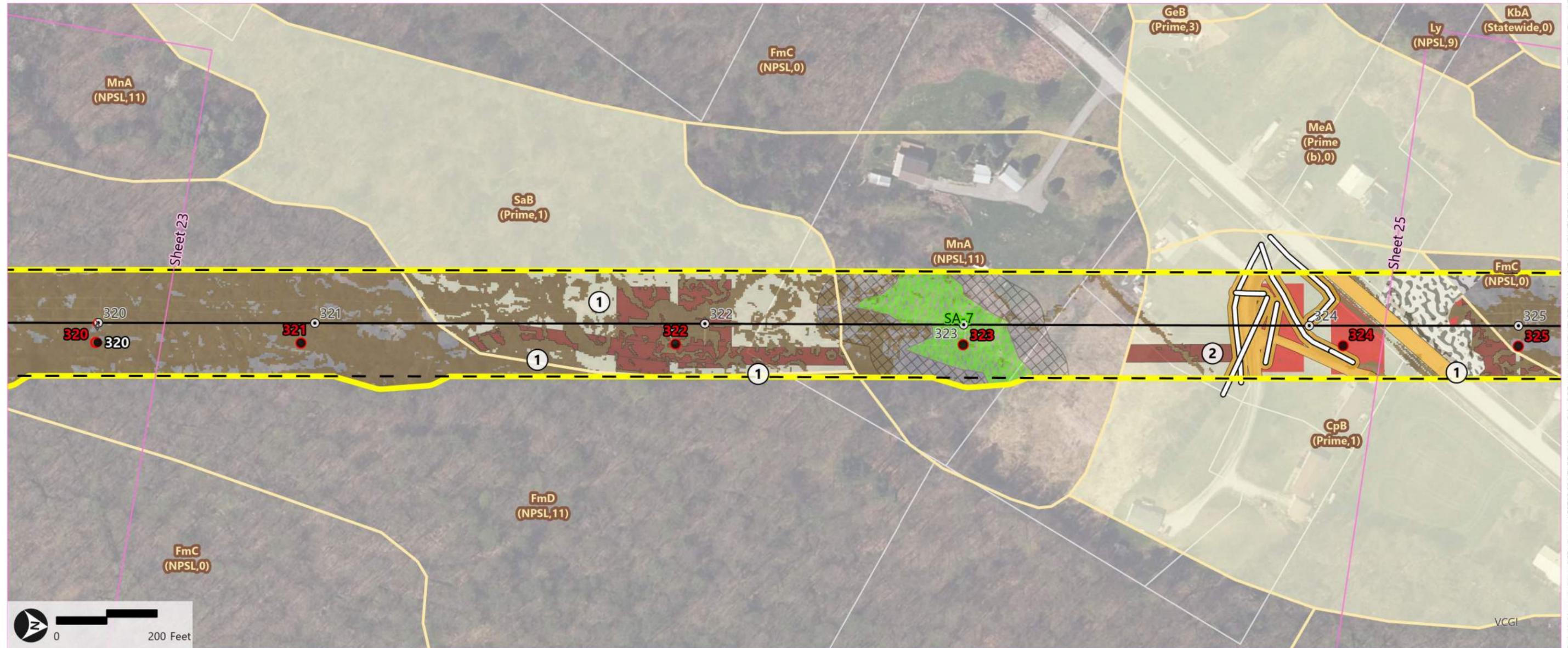
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Primary Agricultural Soils (PAS) Map Series - Sheet 24 of 59

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



October 17, 2023
Revised: January 26, 2024

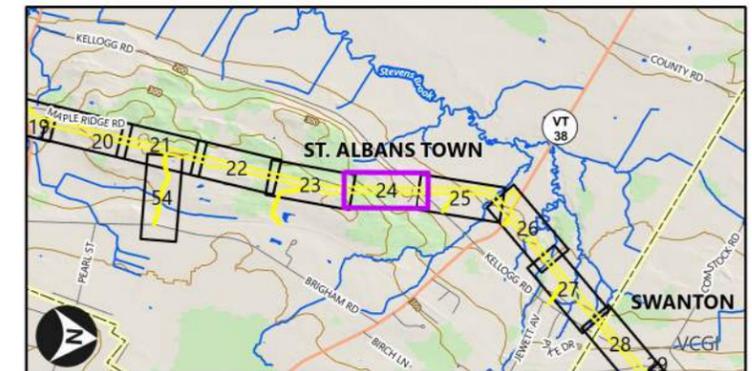


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| Prime Ag. Soil - Physical Disturbance (VHB) | Study Area (VHB) | Proposed Guy Anchors (Dec 2023) (VELCO) |
| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Class II Wetland (VHB/VELCO) | Existing Structure (VELCO) |
| Prior PAS Impacts (VELCO/VHB) | Class II Wetland Buffer - 50 ft. (VHB) | Existing Transmission Line (VELCO) |
| NRCS Soil Boundary (VCGI) | Sheet Outline (VHB) | Edge of ROW (VELCO) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Structures (248 Filing) (VELCO) | Town Boundary (VCGI) |
| Areas of Exposed Rock/Ledge (VELCO/VHB) | Proposed Structures (Dec 2023) (VELCO) | Parcel Boundary (VCGI) |
| Previously Identified Underground Infrastructure (VELCO) | Proposed Guy Anchors (248 Filing) (VELCO) | Areas with 15% or greater slope (VCGI) |

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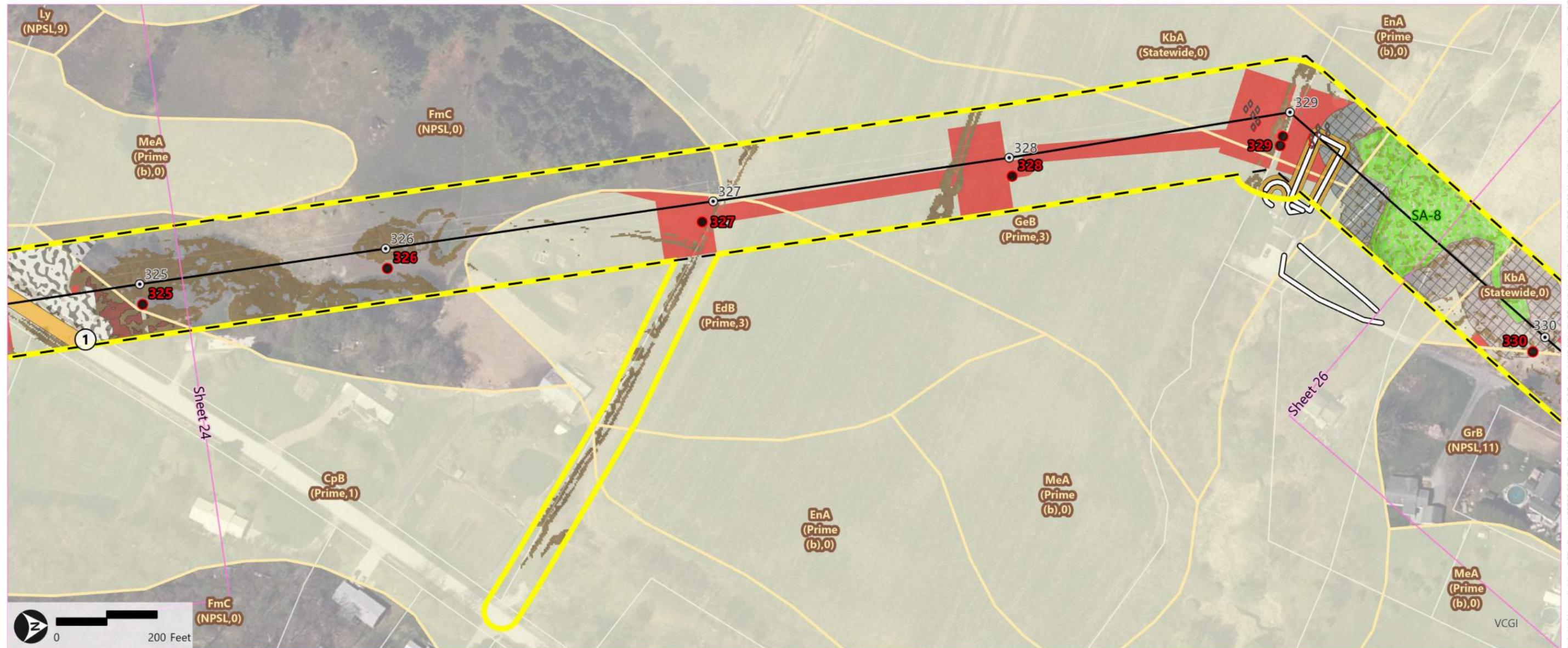
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Primary Agricultural Soils (PAS) Map Series - Sheet 25 of 59

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



October 17, 2023
Revised: January 26, 2024

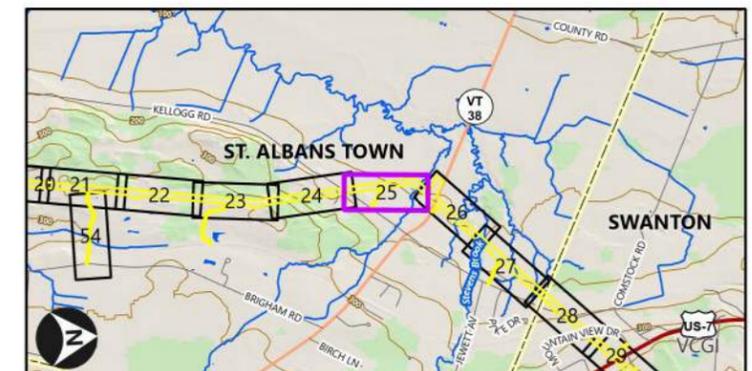


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| Prime Ag. Soil - Physical Disturbance (VHB) | Study Area (VHB) | Proposed Guy Anchors (Dec 2023) (VELCO) |
| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Class II Wetland (VHB/VELCO) | Existing Structure (VELCO) |
| Prior PAS Impacts (VELCO/VHB) | Class II Wetland Buffer - 50 ft. (VHB) | Existing Transmission Line (VELCO) |
| NRCS Soil Boundary (VCGI) | Sheet Outline (VHB) | Edge of ROW (VELCO) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Structures (248 Filing) (VELCO) | Town Boundary (VCGI) |
| Areas of Exposed Rock/Ledge (VELCO/VHB) | Proposed Structures (Dec 2023) (VELCO) | Parcel Boundary (VCGI) |
| Previously Identified Underground Infrastructure (VELCO) | Proposed Guy Anchors (248 Filing) (VELCO) | Areas with 15% or greater slope (VCGI) |

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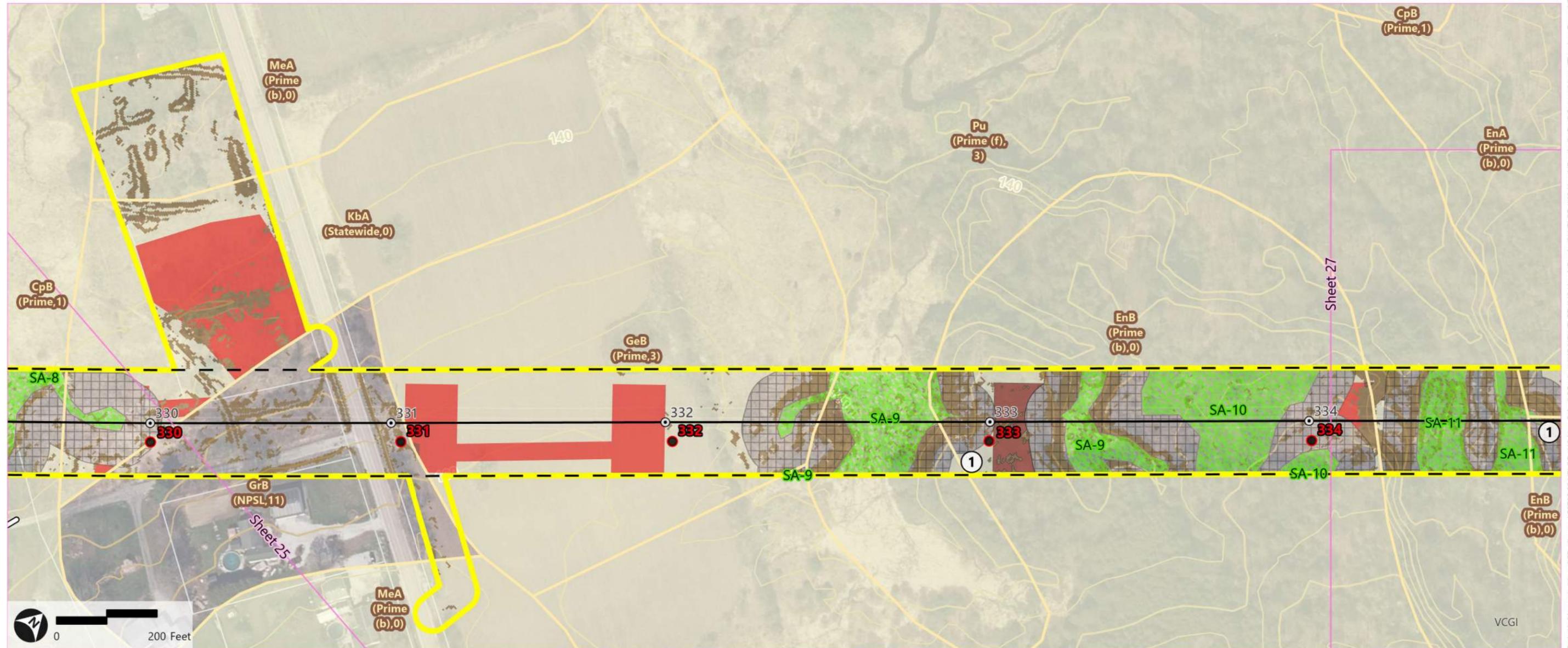
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Primary Agricultural Soils (PAS) Map Series - Sheet 26 of 59

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



October 17, 2023
Revised: January 26, 2024

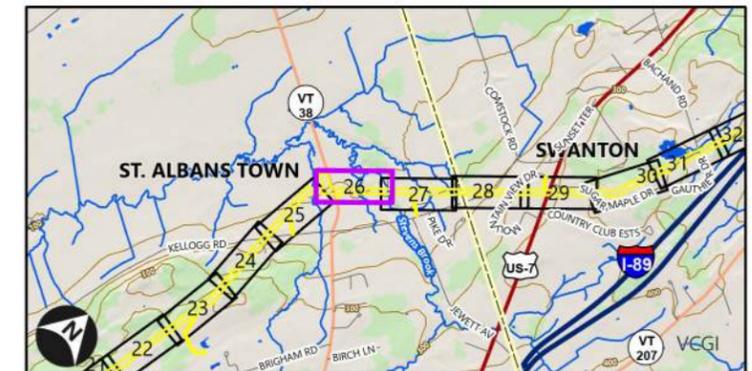


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| Prime Ag. Soil - Physical Disturbance (VHB) | Class II Wetland (VHB/VELCO) | Existing Transmission Line (VELCO) |
| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Class II Wetland Buffer - 50 ft. (VHB) | Edge of ROW (VELCO) |
| NRCS Soil Boundary (VCGI) | Sheet Outline (VHB) | Town Boundary (VCGI) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Structures (248 Filing) (VELCO) | Parcel Boundary (VCGI) |
| Previously Identified Underground Infrastructure (VELCO) | Proposed Structures (Dec 2023) (VELCO) | Areas with 15% or greater slope (VCGI) |
| Study Area (VHB) | Existing Structure (VELCO) | |

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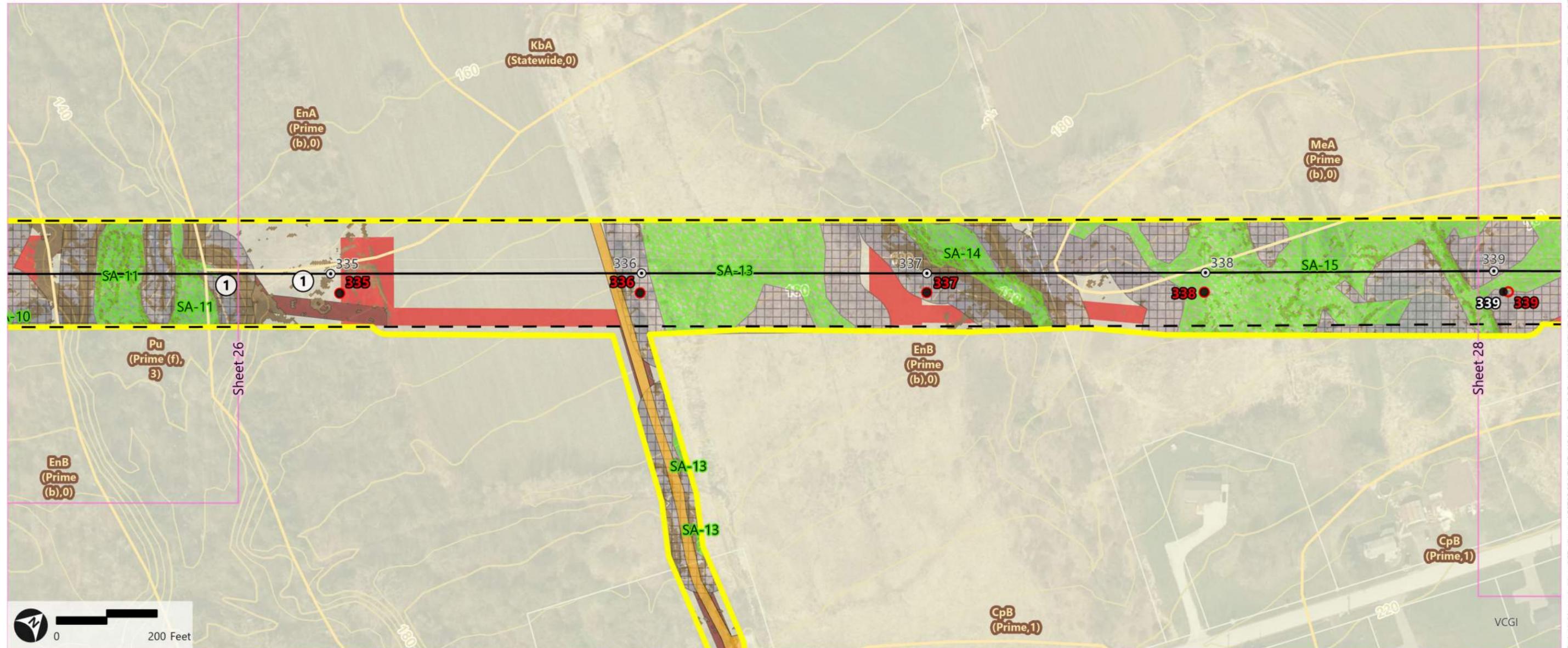
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Primary Agricultural Soils (PAS) Map Series - Sheet 27 of 59

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



October 17, 2023
Revised: January 26, 2024



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| Prime Ag. Soil - Physical Disturbance (VHB) | Class II Wetland (VHB/VELCO) | Existing Transmission Line (VELCO) |
| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Class II Wetland Buffer - 50 ft. (VHB) | Edge of ROW (VELCO) |
| Prior PAS Impacts (VELCO/VHB) | Sheet Outline (VHB) | Town Boundary (VCGI) |
| NRCS Soil Boundary (VCGI) | Proposed Structures (248 Filing) (VELCO) | Parcel Boundary (VCGI) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Structures (Dec 2023) (VELCO) | Areas with 15% or greater slope (VCGI) |
| Study Area (VHB) | Existing Structure (VELCO) | |

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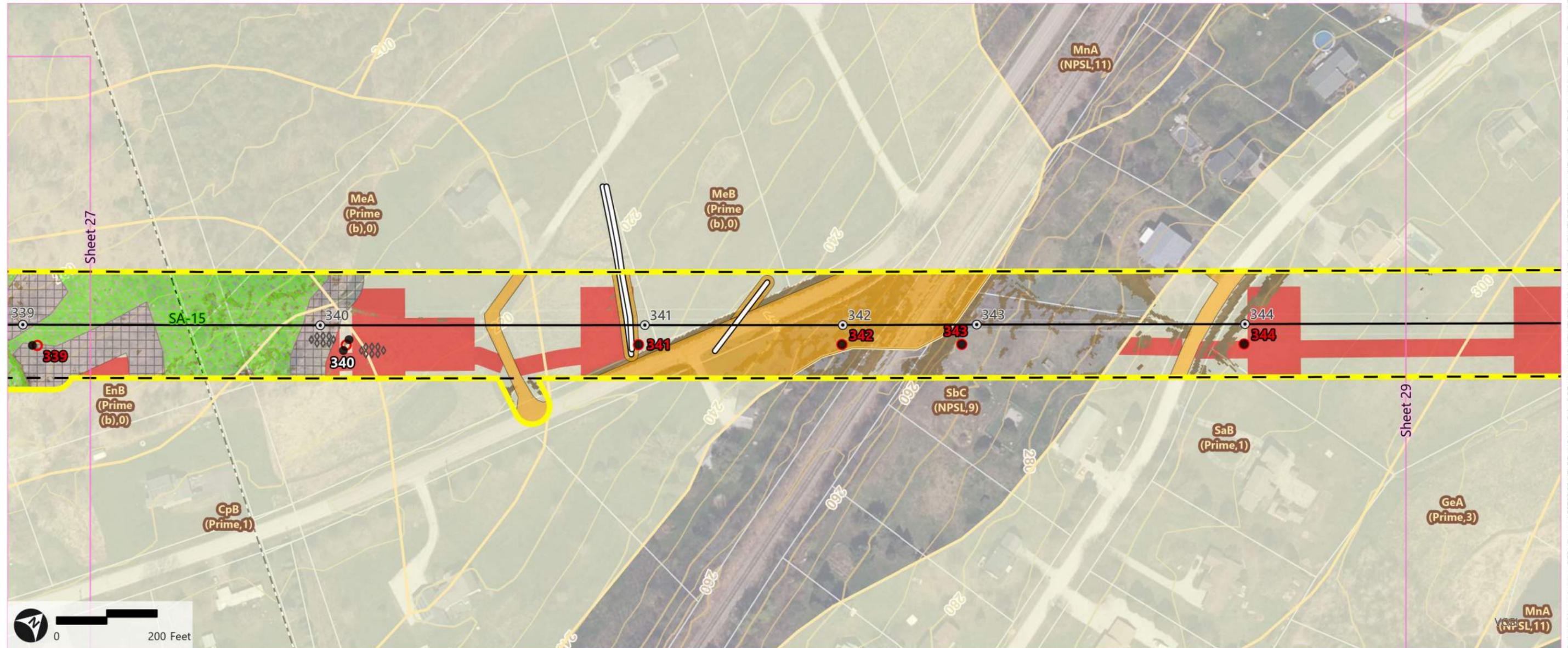
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Primary Agricultural Soils (PAS) Map Series - Sheet 28 of 59

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



October 17, 2023
Revised: January 26, 2024



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| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Class II Wetland (VHB/VELCO) | Existing Transmission Line (VELCO) |
| Prior PAS Impacts (VELCO/VHB) | Class II Wetland Buffer - 50 ft. (VHB) | Edge of ROW (VELCO) |
| Non Functional PAS (VELCO/VHB) | Sheet Outline (VHB) | Town Boundary (VCGI) |
| NRCS Soil Boundary (VCGI) | Proposed Structures (248 Filing) (VELCO) | Parcel Boundary (VCGI) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Structures (Dec 2023) (VELCO) | Areas with 15% or greater slope (VCGI) |
| Previously Identified Underground Infrastructure (VELCO) | Proposed Guy Anchors (248 Filing) (VELCO) | |
| Study Area (VHB) | Existing Structure (VELCO) | |

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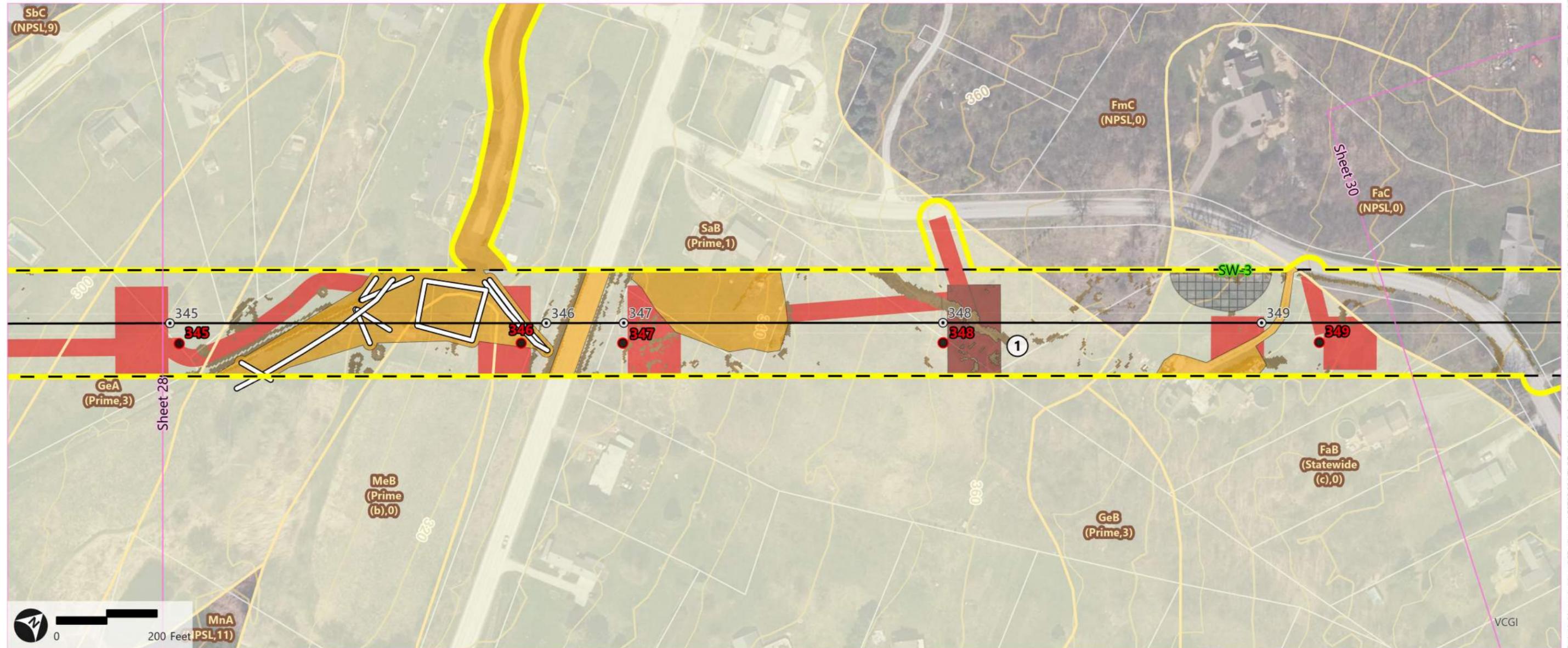
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Primary Agricultural Soils (PAS) Map Series - Sheet 29 of 59

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



October 17, 2023
Revised: January 26, 2024

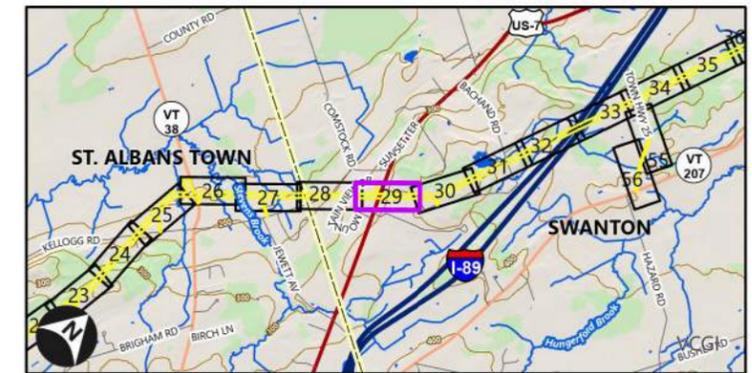


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| Prime Ag. Soil - Physical Disturbance (VHB) | Study Area (VHB) | Existing Transmission Line (VELCO) |
| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Class II Wetland (VHB/VELCO) | Edge of ROW (VELCO) |
| Prior PAS Impacts (VELCO/VHB) | Class II Wetland Buffer - 50 ft. (VHB) | Town Boundary (VCGI) |
| Non Functional PAS (VELCO/VHB) | Sheet Outline (VHB) | Parcel Boundary (VCGI) |
| NRCS Soil Boundary (VCGI) | Proposed Structures (248 Filing) (VELCO) | Areas with 15% or greater slope (VCGI) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Structures (Dec 2023) (VELCO) | |
| Previously Identified Underground Infrastructure (VELCO) | Existing Structure (VELCO) | |

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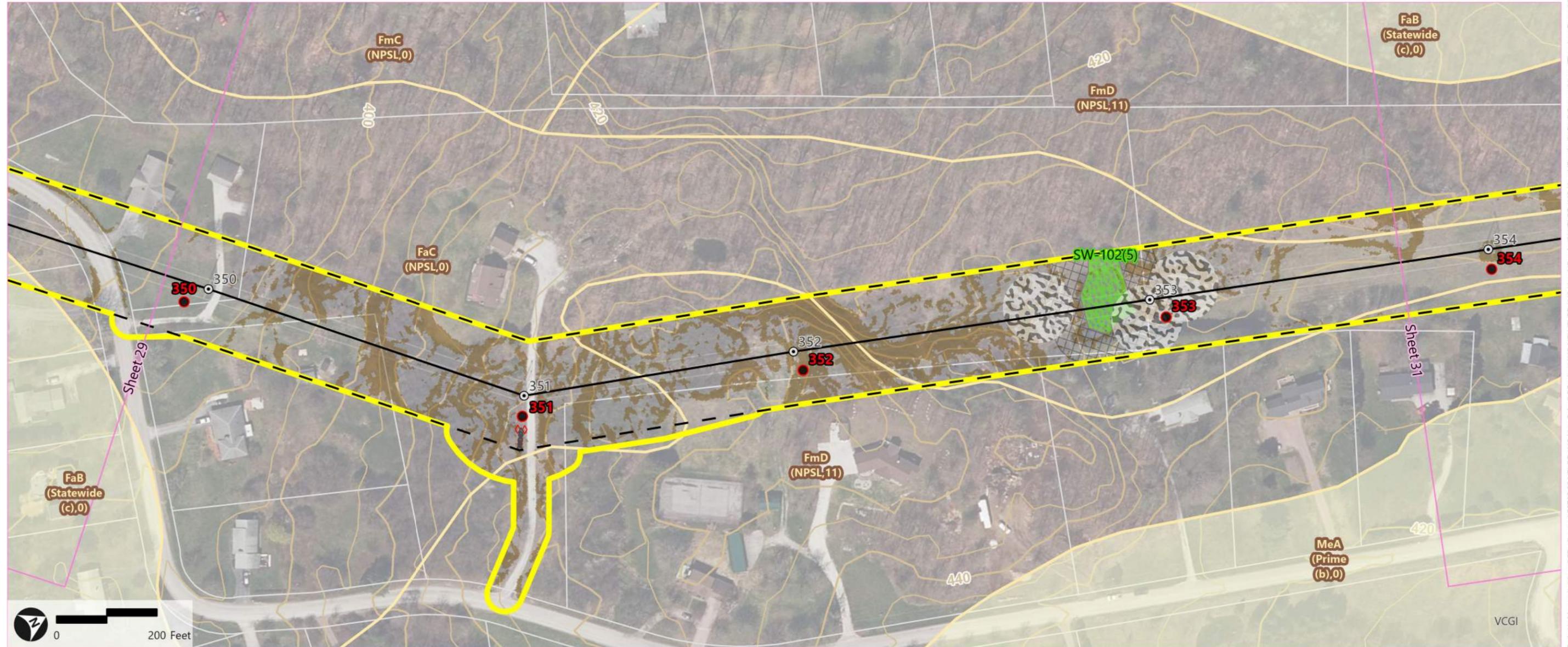
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Primary Agricultural Soils (PAS) Map Series - Sheet 30 of 59

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



October 17, 2023
Revised: January 26, 2024



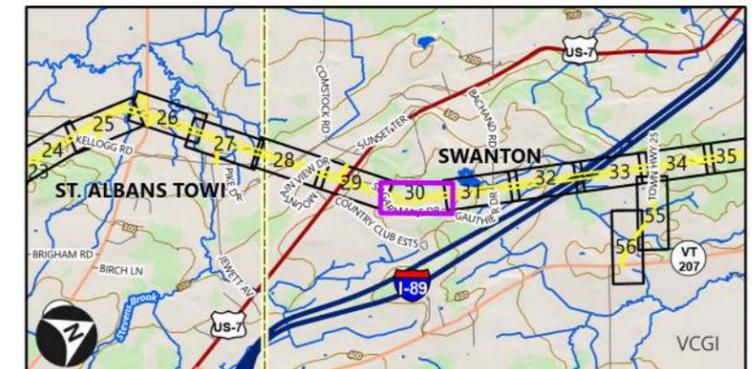
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| NRCS Soil Boundary (VCGI) | Sheet Outline (VHB) | Existing Transmission Line (VELCO) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Structures (248 Filing) (VELCO) | Edge of ROW (VELCO) |
| Areas of Exposed Rock/Ledge (VELCO/VHB) | Proposed Structures (Dec 2023) (VELCO) | Town Boundary (VCGI) |
| Study Area (VHB) | Proposed Guy Anchors (248 Filing) (VELCO) | Parcel Boundary (VCGI) |
| Class II Wetland (VHB/VELCO) | Proposed Guy Anchors (Dec 2023) (VELCO) | Areas with 15% or greater slope (VCGI) |
| Class II Wetland Buffer - 50 ft. (VHB) | Existing Structure (VELCO) | |

Note:

This map shows areas of proposed access and work areas based on current design and for the purpose of enumerating physical disturbance within PAS. Minor modifications may occur based on field adjustments, work processes, and/or design amendments and will be limited to lands within the Study Area. Limited vehicular traffic, staging of materials and equipment, matting, and other project activities not likely to impact PAS will occur outside of the disturbance areas.

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Primary Agricultural Soils (PAS) Map Series - Sheet 31 of 59

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



October 17, 2023
Revised: January 26, 2024

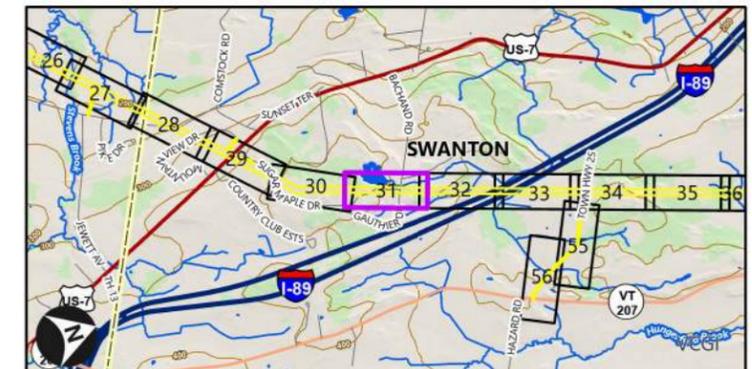


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| Prime Ag. Soil - Physical Disturbance (VHB) | Class II Wetland (VHB/VELCO) | Existing Structure (VELCO) |
| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Class II Wetland Buffer - 50 ft. (VHB) | Existing Transmission Line (VELCO) |
| Prior PAS Impacts (VELCO/VHB) | Sheet Outline (VHB) | Edge of ROW (VELCO) |
| NRCS Soil Boundary (VCGI) | Proposed Structures (248 Filing) (VELCO) | Town Boundary (VCGI) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Structures (Dec 2023) (VELCO) | Parcel Boundary (VCGI) |
| Areas of Exposed Rock/Ledge (VELCO/VHB) | Proposed Guy Anchors (248 Filing) (VELCO) | Areas with 15% or greater slope (VCGI) |
| Study Area (VHB) | Proposed Guy Anchors (Dec 2023) (VELCO) | |

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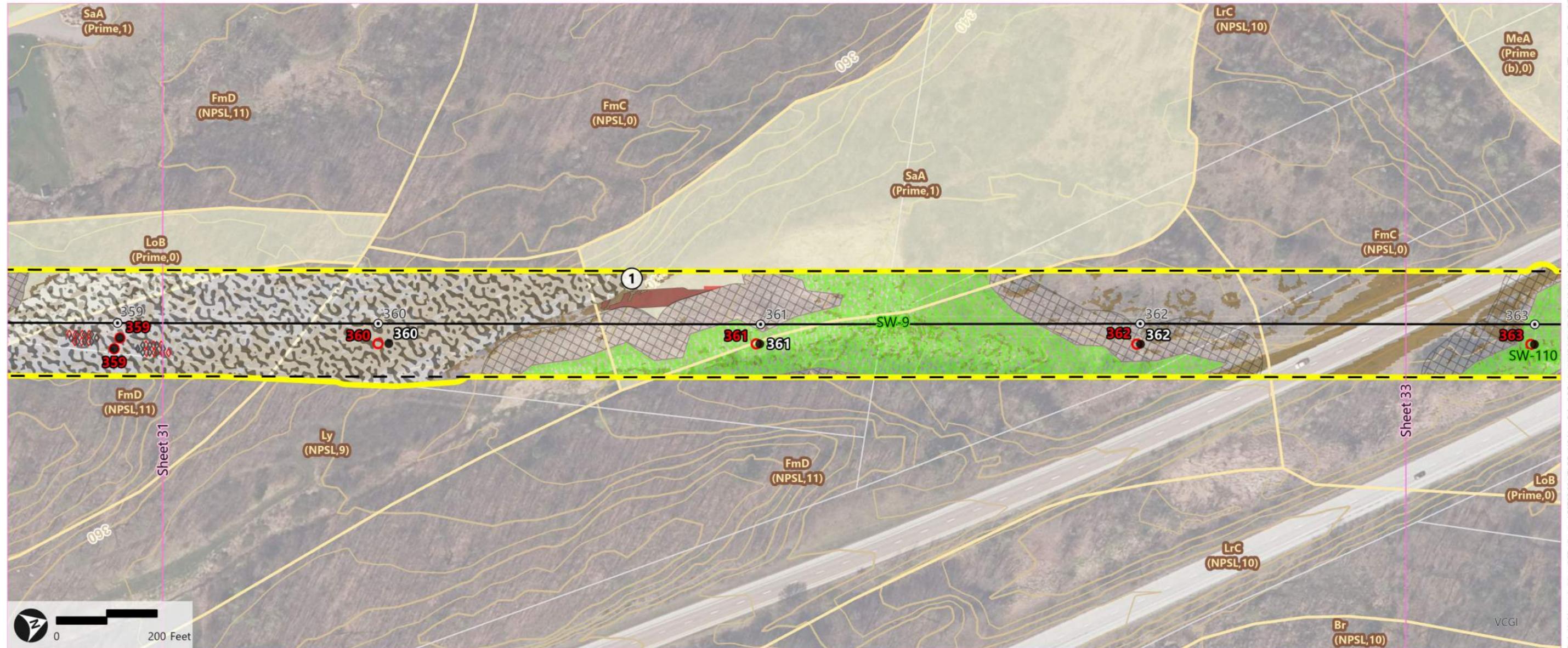
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Primary Agricultural Soils (PAS) Map Series - Sheet 32 of 59

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



October 17, 2023
Revised: January 26, 2024

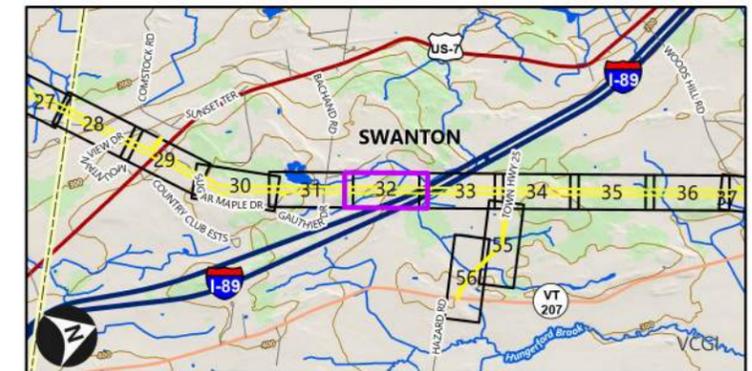


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| Prime Ag. Soil - Physical Disturbance (VHB) | Class II Wetland Buffer - 50 ft. (VHB) | Existing Transmission Line (VELCO) |
| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Sheet Outline (VHB) | Edge of ROW (VELCO) |
| NRCS Soil Boundary (VCGI) | Proposed Structures (248 Filing) (VELCO) | Town Boundary (VCGI) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Structures (Dec 2023) (VELCO) | Parcel Boundary (VCGI) |
| Areas of Exposed Rock/Ledge (VELCO/VHB) | Proposed Guy Anchors (248 Filing) (VELCO) | Areas with 15% or greater slope (VCGI) |
| Study Area (VHB) | Proposed Guy Anchors (Dec 2023) (VELCO) | |
| Class II Wetland (VHB/VELCO) | Existing Structure (VELCO) | |

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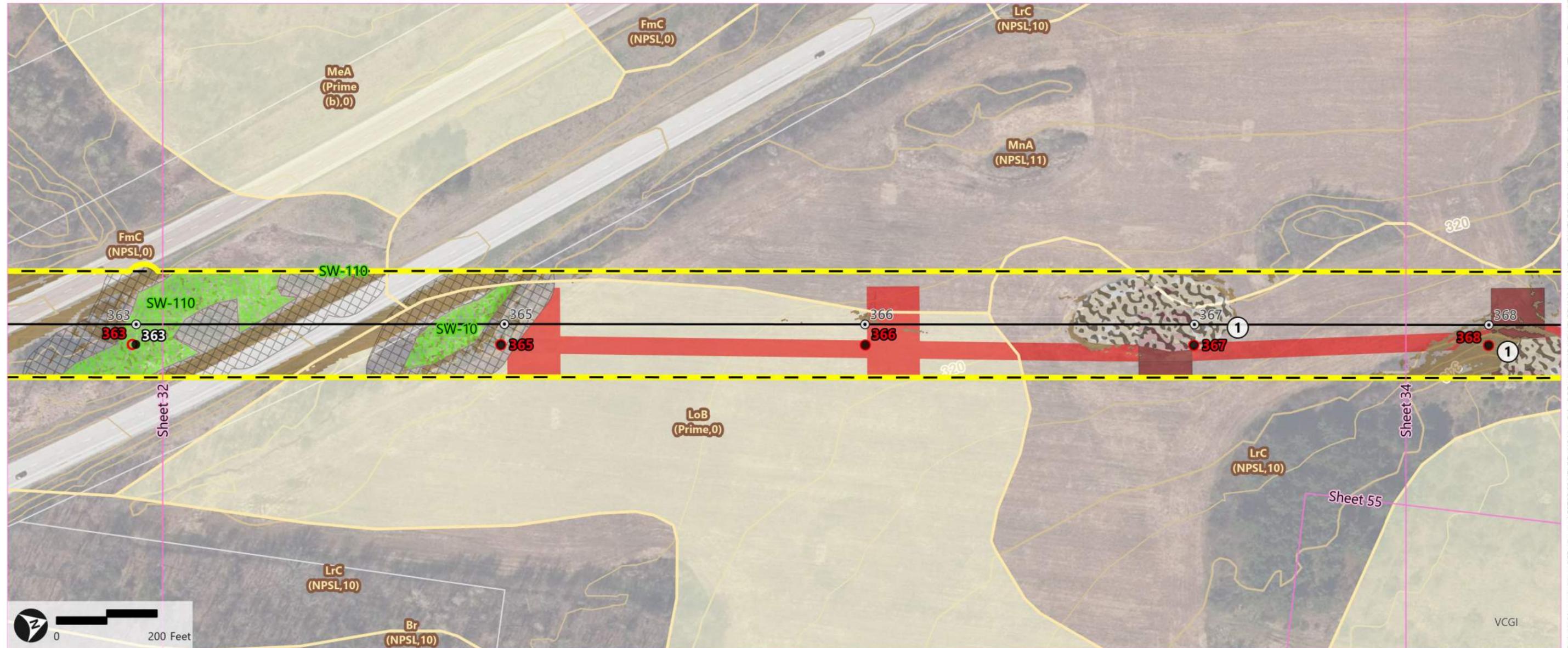
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Primary Agricultural Soils (PAS) Map Series - Sheet 33 of 59

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



October 17, 2023
Revised: January 26, 2024

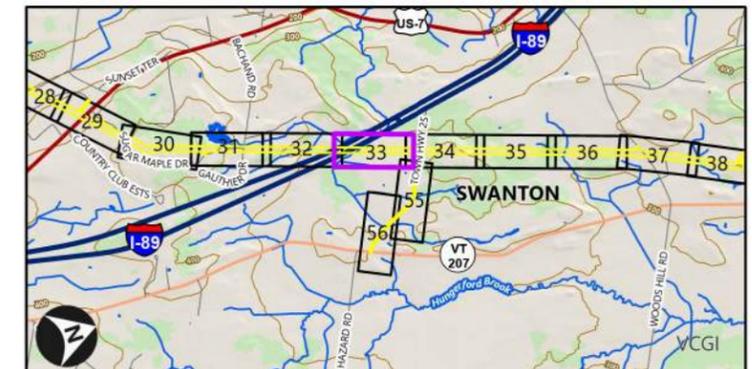


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| Prime Ag. Soil - Physical Disturbance (VHB) | Class II Wetland (VHB/VELCO) | Existing Transmission Line (VELCO) |
| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Class II Wetland Buffer - 50 ft. (VHB) | Edge of ROW (VELCO) |
| NRCS Soil Boundary (VCGI) | Sheet Outline (VHB) | Town Boundary (VCGI) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Structures (248 Filing) (VELCO) | Parcel Boundary (VCGI) |
| Areas of Exposed Rock/Ledge (VELCO/VHB) | Proposed Structures (Dec 2023) (VELCO) | Areas with 15% or greater slope (VCGI) |
| Study Area (VHB) | Existing Structure (VELCO) | |

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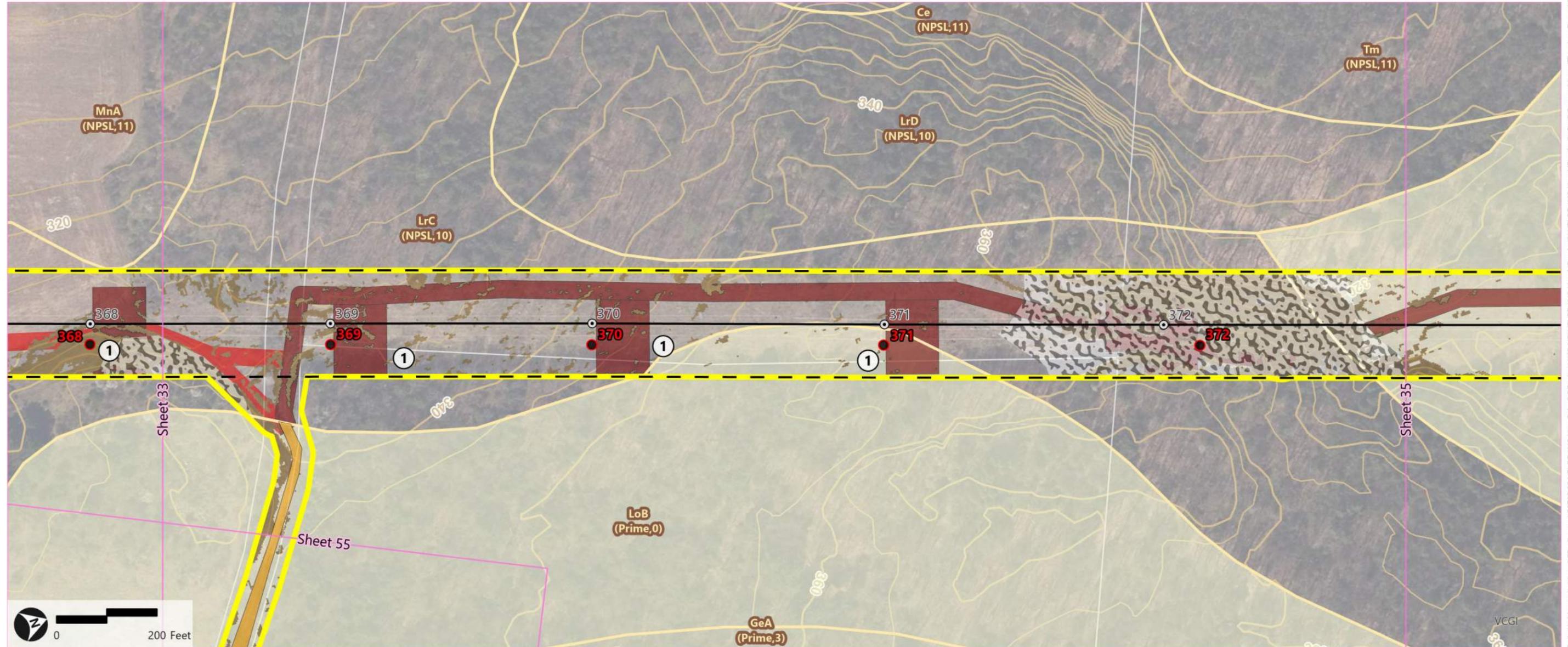
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Primary Agricultural Soils (PAS) Map Series - Sheet 34 of 59

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



October 17, 2023
Revised: January 26, 2024



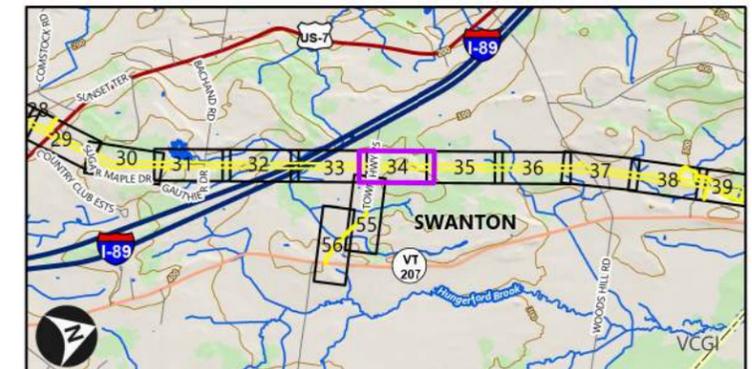
- Prime Ag. Soil - Physical Disturbance (VHB)
- Prime Ag. Soil - Construction Phase Physical Disturbance (VHB)
- Prior PAS Impacts (VELCO/VHB)
- NRCS Soil Boundary (VCGI)
- Prime Agricultural Soils (PAS) (VCGI)
- Areas of Exposed Rock/Ledge (VELCO/VHB)
- Study Area (VHB)
- Sheet Outline (VHB)
- Proposed Structures (248 Filing) (VELCO)
- Proposed Structures (Dec 2023) (VELCO)
- Existing Structure (VELCO)
- Existing Transmission Line (VELCO)
- Edge of ROW (VELCO)
- Town Boundary (VCGI)
- Parcel Boundary (VCGI)
- Areas with 15% or greater slope (VCGI)

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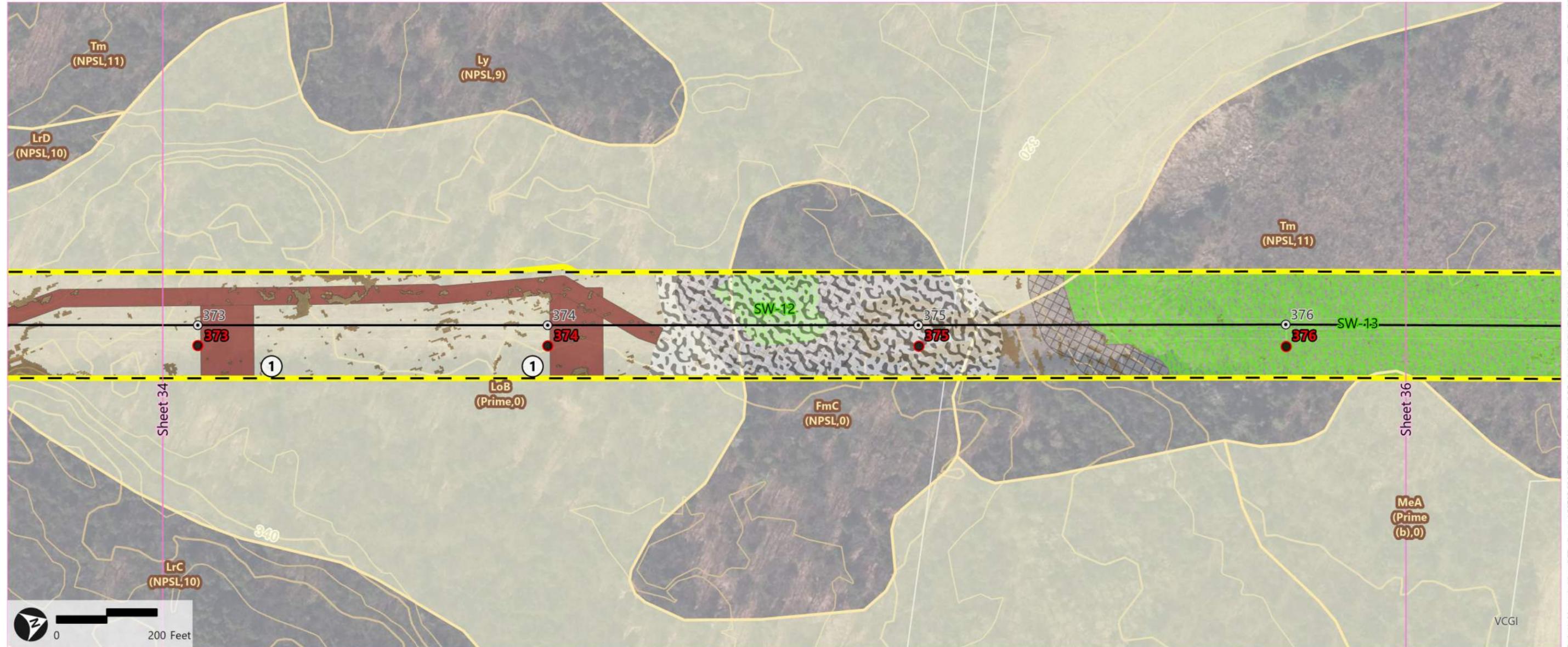
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Primary Agricultural Soils (PAS) Map Series - Sheet 35 of 59

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



October 17, 2023
Revised: January 26, 2024

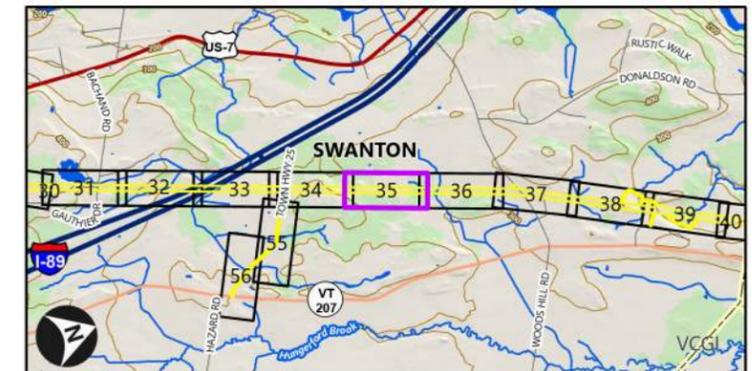


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| Prime Ag. Soil - Physical Disturbance (VHB) | Class II Wetland Buffer - 50 ft. (VHB) | Edge of ROW (VELCO) |
| NRCS Soil Boundary (VCGI) | Sheet Outline (VHB) | Town Boundary (VCGI) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Structures (248 Filing) (VELCO) | Parcel Boundary (VCGI) |
| Areas of Exposed Rock/Ledge (VELCO/VHB) | Proposed Structures (Dec 2023) (VELCO) | Areas with 15% or greater slope (VCGI) |
| Study Area (VHB) | Existing Structure (VELCO) | Existing Transmission Line (VELCO) |
| Class II Wetland (VHB/VELCO) | | |

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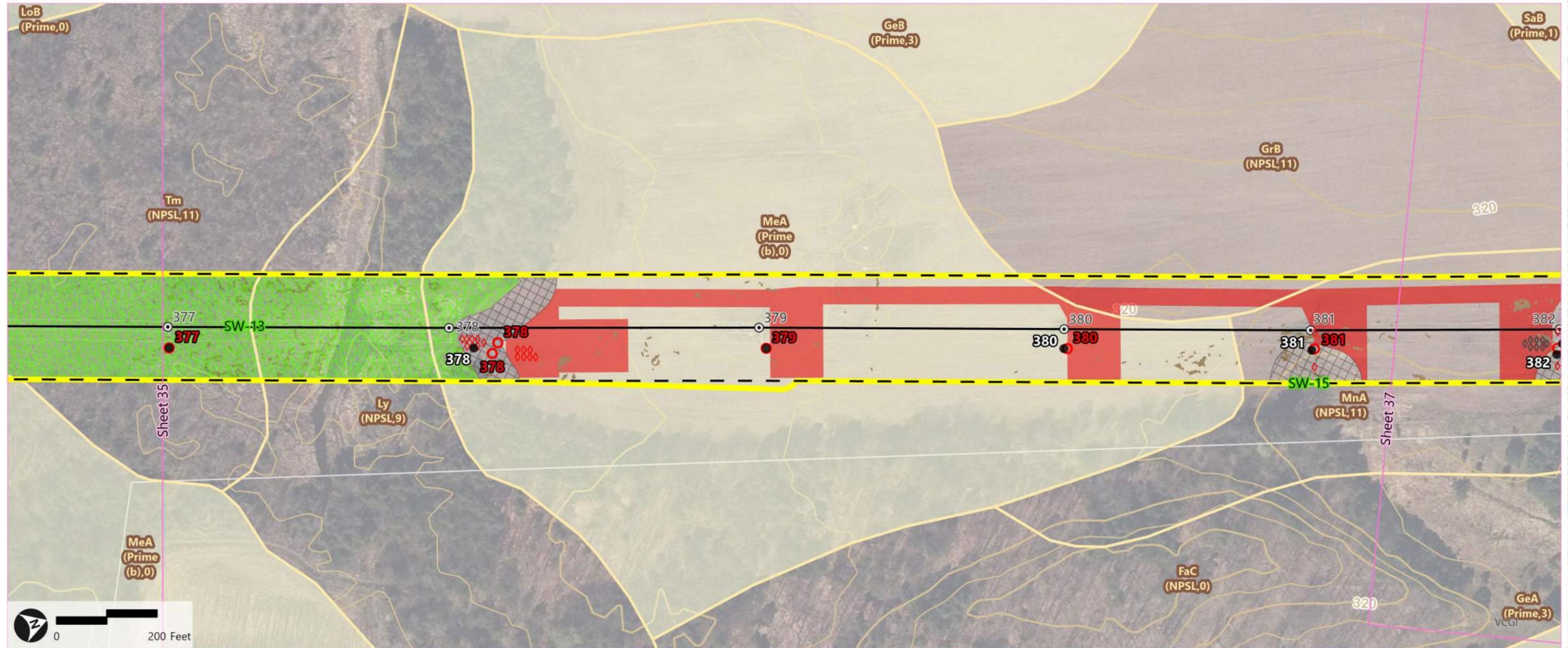
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Primary Agricultural Soils (PAS) Map Series - Sheet 36 of 59

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



October 17, 2023
Revised: January 26, 2024



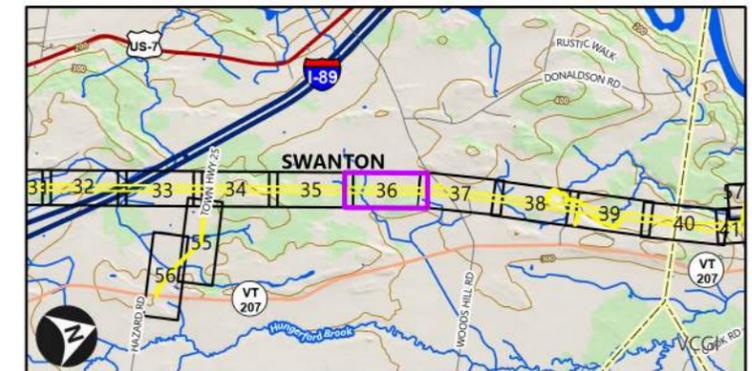
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| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Sheet Outline (VHB) | Existing Transmission Line (VELCO) |
| NRCS Soil Boundary (VCGI) | Proposed Structures (248 Filing) (VELCO) | Edge of ROW (VELCO) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Structures (Dec 2023) (VELCO) | Town Boundary (VCGI) |
| Study Area (VHB) | Proposed Guy Anchors (248 Filing) (VELCO) | Parcel Boundary (VCGI) |
| Class II Wetland (VHB/VELCO) | Proposed Guy Anchors (Dec 2023) (VELCO) | Areas with 15% or greater slope (VCGI) |
| Class II Wetland Buffer - 50 ft. (VHB) | Existing Structure (VELCO) | |

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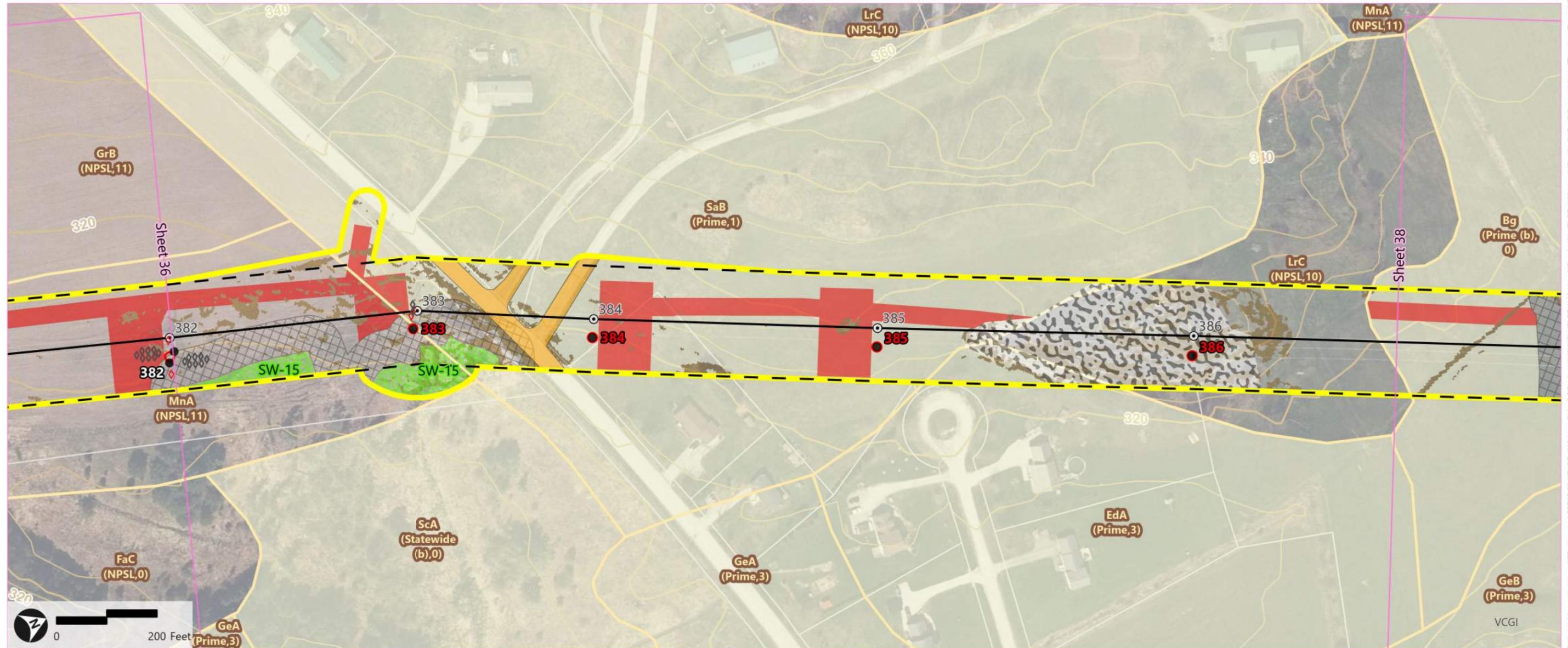
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Primary Agricultural Soils (PAS) Map Series - Sheet 37 of 59

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



October 17, 2023
Revised: January 26, 2024

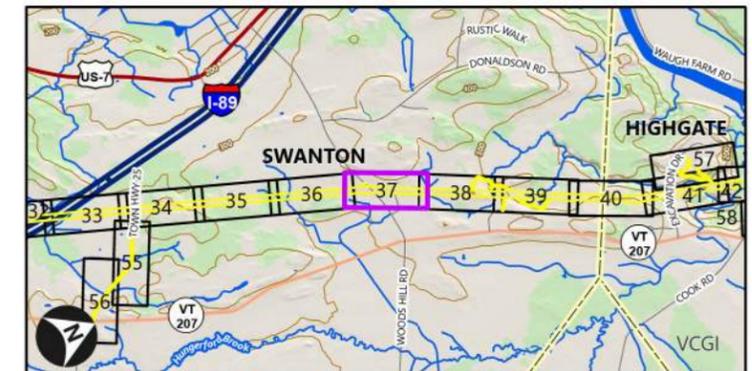


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| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Class II Wetland Buffer - 50 ft. (VHB) | Existing Transmission Line (VELCO) |
| Prior PAS Impacts (VELCO/VHB) | Sheet Outline (VHB) | Edge of ROW (VELCO) |
| NRCS Soil Boundary (VCGI) | Proposed Structures (248 Filing) (VELCO) | Town Boundary (VCGI) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Structures (Dec 2023) (VELCO) | Parcel Boundary (VCGI) |
| Areas of Exposed Rock/Ledge (VELCO/VHB) | Proposed Guy Anchors (248 Filing) (VELCO) | Areas with 15% or greater slope (VCGI) |
| Study Area (VHB) | Proposed Guy Anchors (Dec 2023) (VELCO) | |
| Class II Wetland (VHB/VELCO) | Existing Structure (VELCO) | |

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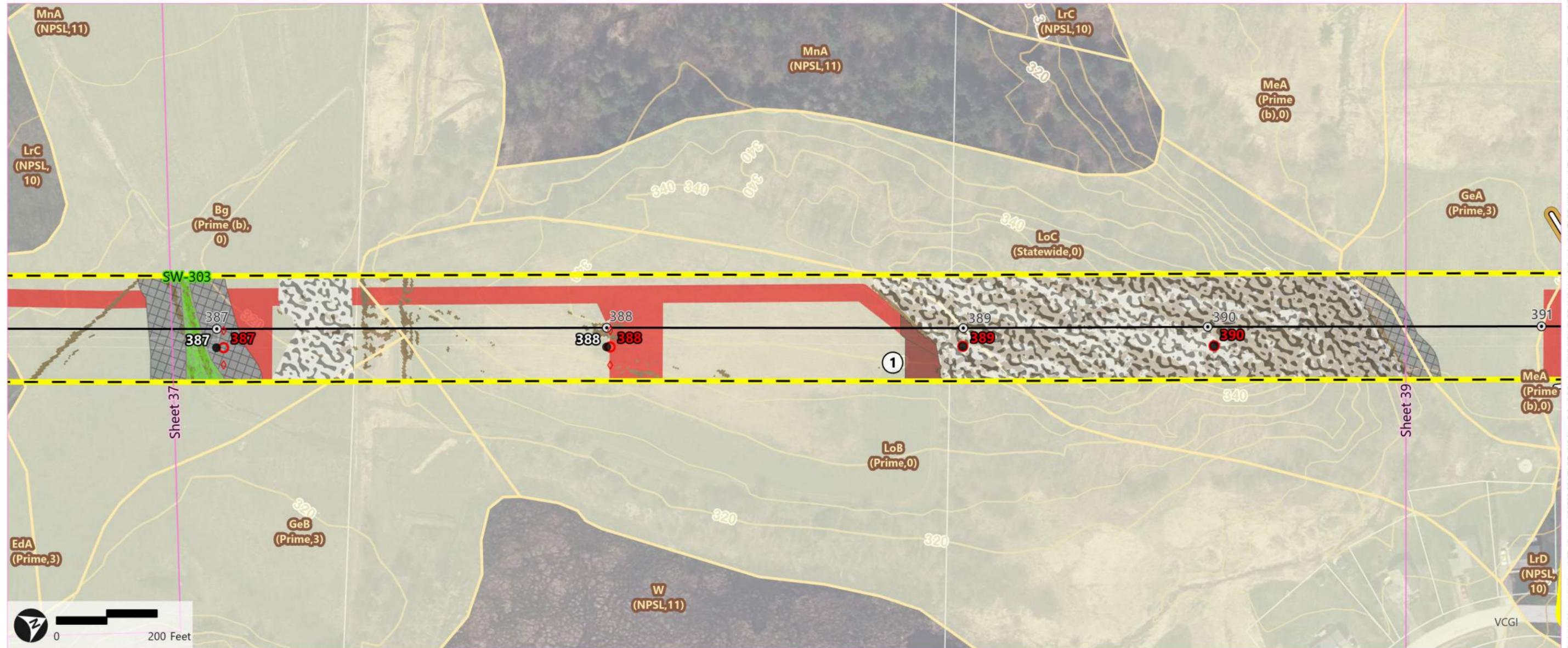
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Primary Agricultural Soils (PAS) Map Series - Sheet 38 of 59

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



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Revised: January 26, 2024

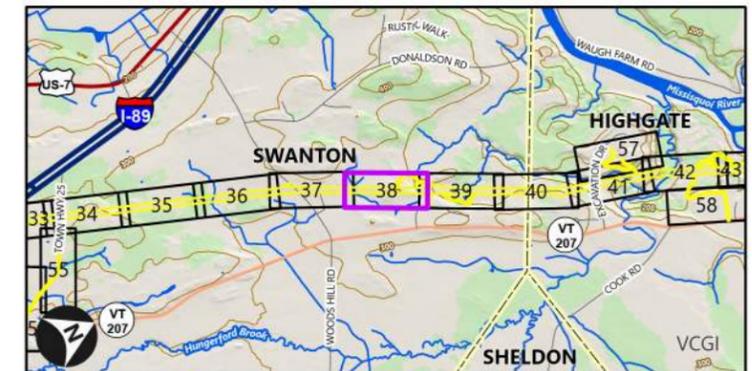


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| Prime Ag. Soil - Physical Disturbance (VHB) | Study Area (VHB) | Existing Structure (VELCO) |
| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Class II Wetland (VHB/VELCO) | Existing Transmission Line (VELCO) |
| Prior PAS Impacts (VELCO/VHB) | Class II Wetland Buffer - 50 ft. (VHB) | Edge of ROW (VELCO) |
| NRCS Soil Boundary (VCGI) | Sheet Outline (VHB) | Town Boundary (VCGI) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Structures (248 Filing) (VELCO) | Parcel Boundary (VCGI) |
| Areas of Exposed Rock/Ledge (VELCO/VHB) | Proposed Structures (Dec 2023) (VELCO) | Areas with 15% or greater slope (VCGI) |
| Previously Identified Underground Infrastructure (VELCO) | Proposed Guy Anchors (Dec 2023) (VELCO) | |

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Primary Agricultural Soils (PAS) 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



October 17, 2023
Revised: January 26, 2024

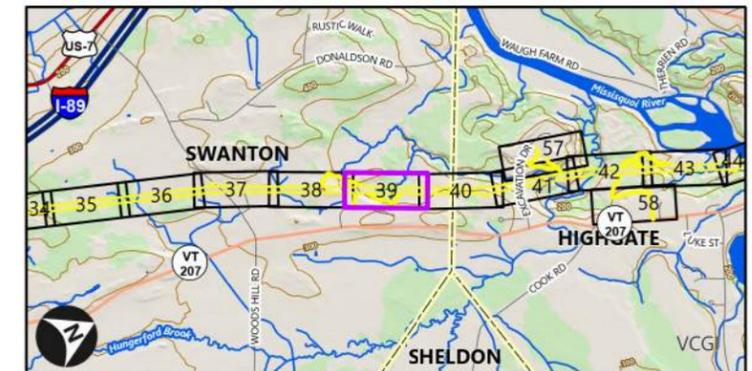


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| Prime Ag. Soil - Physical Disturbance (VHB) | Study Area (VHB) | Existing Transmission Line (VELCO) |
| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Class II Wetland (VHB/VELCO) | Edge of ROW (VELCO) |
| Prior PAS Impacts (VELCO/VHB) | Class II Wetland Buffer - 50 ft. (VHB) | Town Boundary (VCGI) |
| NRCS Soil Boundary (VCGI) | Sheet Outline (VHB) | Parcel Boundary (VCGI) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Structures (248 Filing) (VELCO) | Areas with 15% or greater slope (VCGI) |
| Areas of Exposed Rock/Ledge (VELCO/VHB) | Proposed Structures (Dec 2023) (VELCO) | |
| Previously Identified Underground Infrastructure (VELCO) | Existing Structure (VELCO) | |

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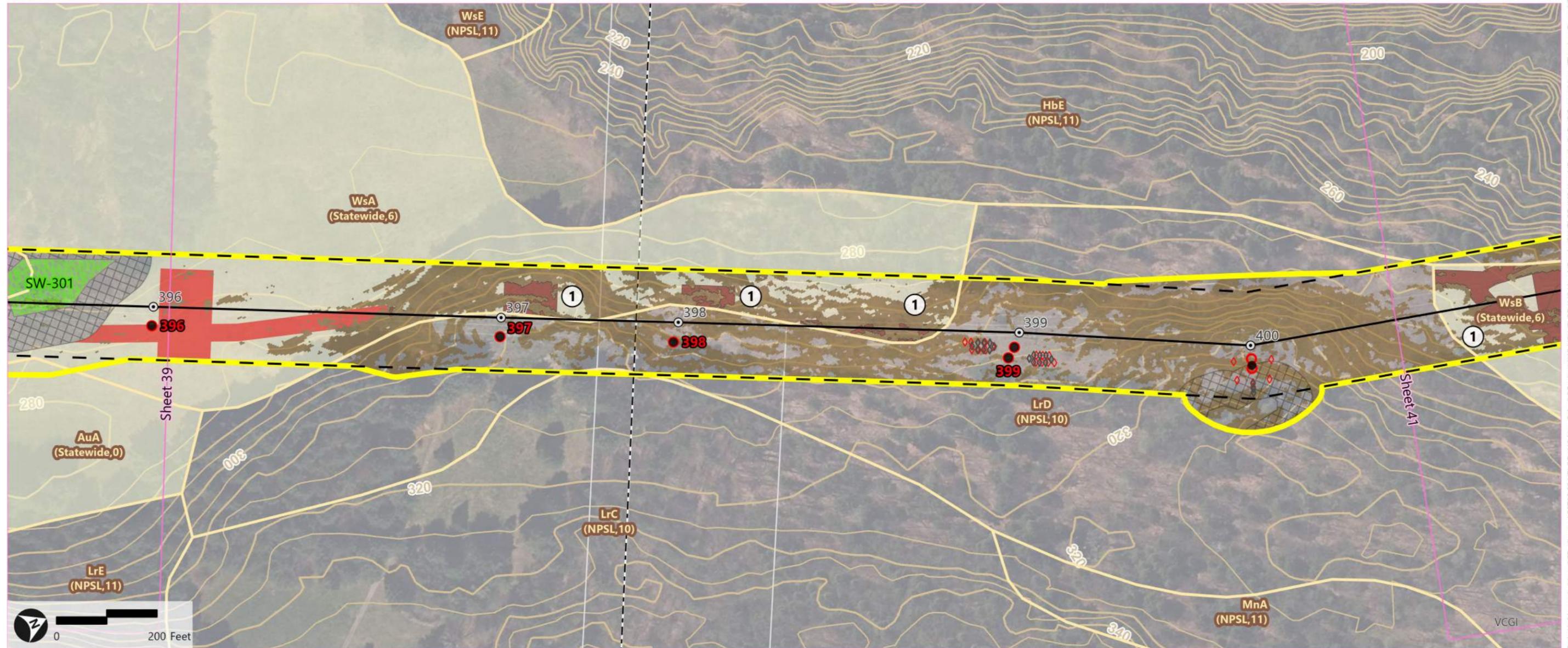
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Primary Agricultural Soils (PAS) Map Series - Sheet 40 of 59

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



October 17, 2023
Revised: January 26, 2024

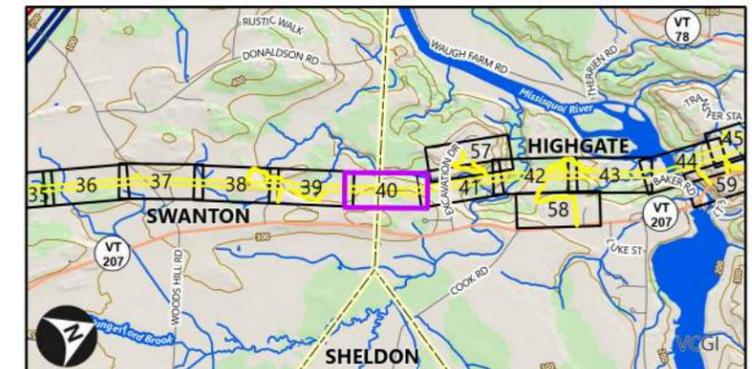


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|--|---|--|
| Prime Ag. Soil - Physical Disturbance (VHB) | Class II Wetland Buffer - 50 ft. (VHB) | Existing Structure (VELCO) |
| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Sheet Outline (VHB) | Existing Transmission Line (VELCO) |
| NRCS Soil Boundary (VCGI) | Proposed Structures (248 Filing) (VELCO) | Edge of ROW (VELCO) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Structures (Dec 2023) (VELCO) | Town Boundary (VCGI) |
| Study Area (VHB) | Proposed Guy Anchors (248 Filing) (VELCO) | Parcel Boundary (VCGI) |
| Class II Wetland (VHB/VELCO) | Proposed Guy Anchors (Dec 2023) (VELCO) | Areas with 15% or greater slope (VCGI) |

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Primary Agricultural Soils (PAS) Map Series - Sheet 41 of 59

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



October 17, 2023
Revised: January 26, 2024

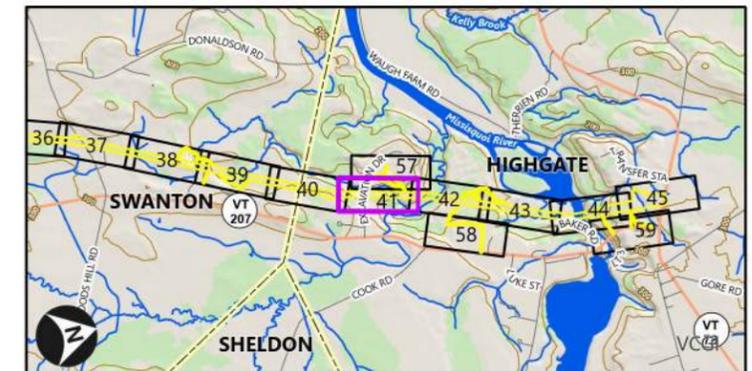


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| Prime Ag. Soil - Physical Disturbance (VHB) | Study Area (VHB) | Existing Structure (VELCO) |
| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Class II Wetland (VHB/VELCO) | Existing Transmission Line (VELCO) |
| Prior PAS Impacts (VELCO/VHB) | Class II Wetland Buffer - 50 ft. (VHB) | Edge of ROW (VELCO) |
| NRCS Soil Boundary (VCGI) | Sheet Outline (VHB) | Town Boundary (VCGI) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Structures (248 Filing) (VELCO) | Parcel Boundary (VCGI) |
| Previously Identified Underground Infrastructure (VELCO) | Proposed Structures (Dec 2023) (VELCO) | Areas with 15% or greater slope (VCGI) |

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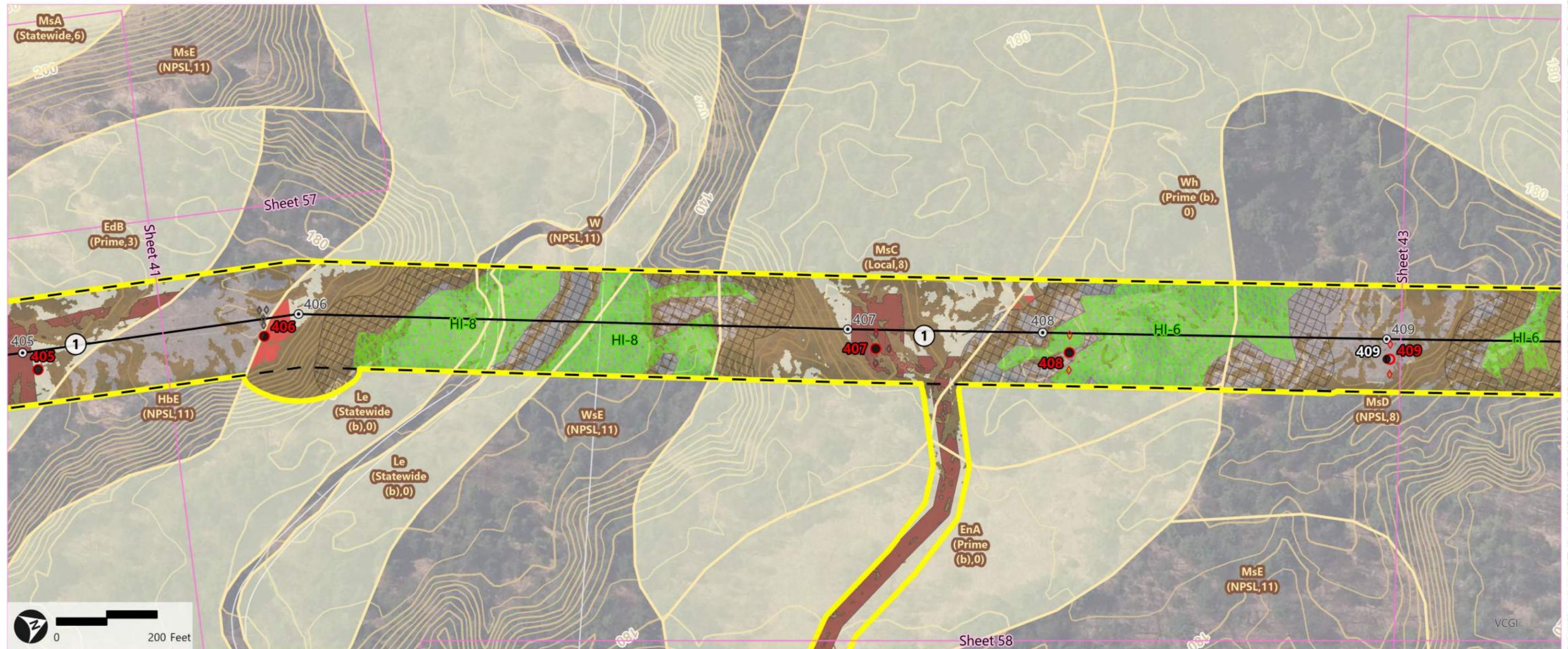
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Primary Agricultural Soils (PAS) Map Series - Sheet 42 of 59

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



October 17, 2023
Revised: January 26, 2024

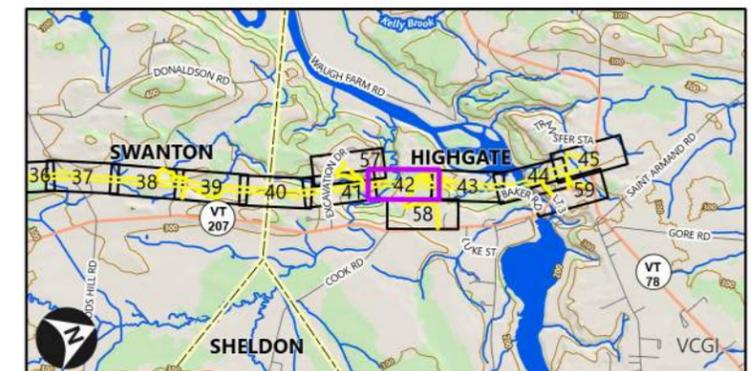


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| Prime Ag. Soil - Physical Disturbance (VHB) | Class II Wetland Buffer - 50 ft. (VHB) | Existing Structure (VELCO) |
| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Sheet Outline (VHB) | Existing Transmission Line (VELCO) |
| NRCS Soil Boundary (VCGI) | Proposed Structures (248 Filing) (VELCO) | Edge of ROW (VELCO) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Structures (Dec 2023) (VELCO) | Town Boundary (VCGI) |
| Study Area (VHB) | Proposed Guy Anchors (248 Filing) (VELCO) | Parcel Boundary (VCGI) |
| Class II Wetland (VHB/VELCO) | Proposed Guy Anchors (Dec 2023) (VELCO) | Areas with 15% or greater slope (VCGI) |

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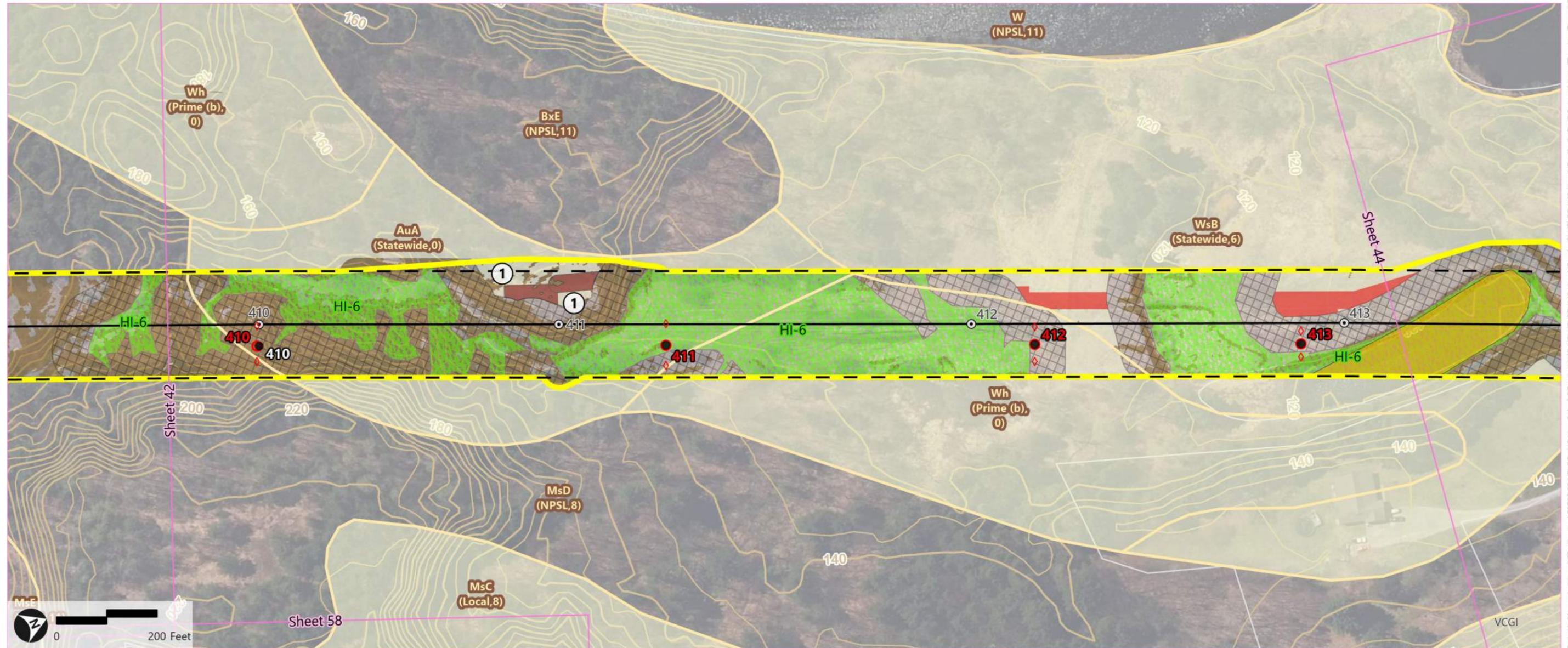
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Primary Agricultural Soils (PAS) Map Series - Sheet 43 of 59

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



October 17, 2023
Revised: January 26, 2024

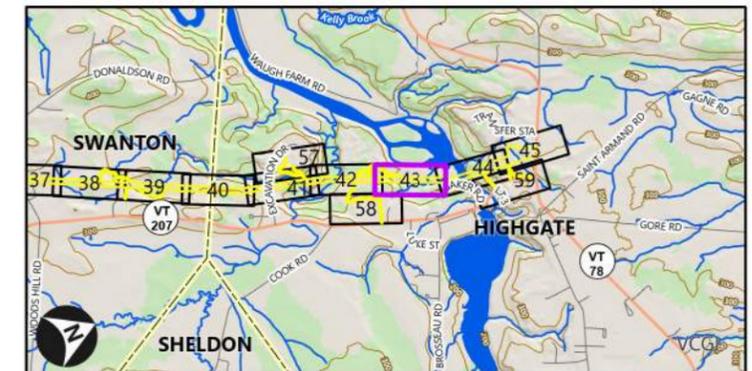


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| Prime Ag. Soil - Physical Disturbance (VHB) | Class II Wetland (VHB/VELCO) | Existing Structure (VELCO) |
| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Class II Wetland Buffer - 50 ft. (VHB) | Existing Transmission Line (VELCO) |
| Non Functional PAS (VELCO/VHB) | Sheet Outline (VHB) | Edge of ROW (VELCO) |
| NRCS Soil Boundary (VCGI) | Proposed Structures (248 Filing) (VELCO) | Town Boundary (VCGI) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Structures (Dec 2023) (VELCO) | Parcel Boundary (VCGI) |
| Study Area (VHB) | Proposed Guy Anchors (Dec 2023) (VELCO) | Areas with 15% or greater slope (VCGI) |

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Primary Agricultural Soils (PAS) Map Series - Sheet 44 of 59

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



October 17, 2023
Revised: January 26, 2024

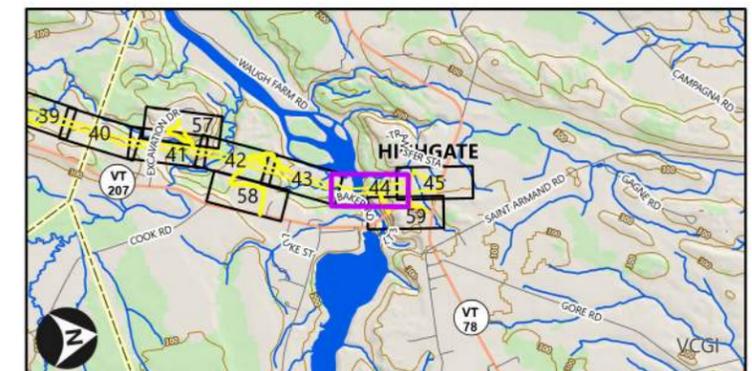


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| Prime Ag. Soil - Physical Disturbance (VHB) | Class II Wetland (VHB/VELCO) | Existing Structure (VELCO) |
| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Class II Wetland Buffer - 50 ft. (VHB) | Existing Transmission Line (VELCO) |
| Prior PAS Impacts (VELCO/VHB) | Sheet Outline (VHB) | Edge of ROW (VELCO) |
| Non Functional PAS (VELCO/VHB) | Proposed Structures (248 Filing) (VELCO) | Town Boundary (VCGI) |
| NRCS Soil Boundary (VCGI) | Proposed Structures (Dec 2023) (VELCO) | Parcel Boundary (VCGI) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Guy Anchors (248 Filing) (VELCO) | Areas with 15% or greater slope (VCGI) |
| Study Area (VHB) | Proposed Guy Anchors (Dec 2023) (VELCO) | |

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Primary Agricultural Soils (PAS) 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



October 17, 2023
Revised: January 26, 2024

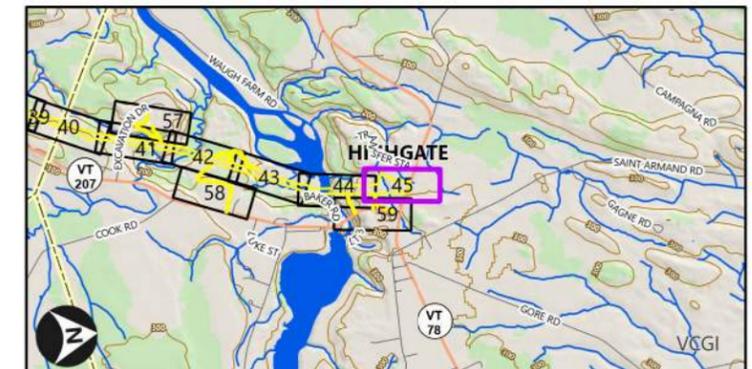


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| Prime Ag. Soil - Physical Disturbance (VHB) | Class II Wetland Buffer - 50 ft. (VHB) | Existing Transmission Line (VELCO) |
| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Sheet Outline (VHB) | Edge of ROW (VELCO) |
| Prior PAS Impacts (VELCO/VHB) | Proposed Structures (248 Filing) (VELCO) | Town Boundary (VCGI) |
| NRCS Soil Boundary (VCGI) | Proposed Structures (Dec 2023) (VELCO) | Parcel Boundary (VCGI) |
| Prime Agricultural Soils (PAS) (VCGI) | Proposed Guy Anchors (248 Filing) (VELCO) | Areas with 15% or greater slope (VCGI) |
| Study Area (VHB) | Proposed Guy Anchors (Dec 2023) (VELCO) | |
| Class II Wetland (VHB/VELCO) | Existing Structure (VELCO) | |

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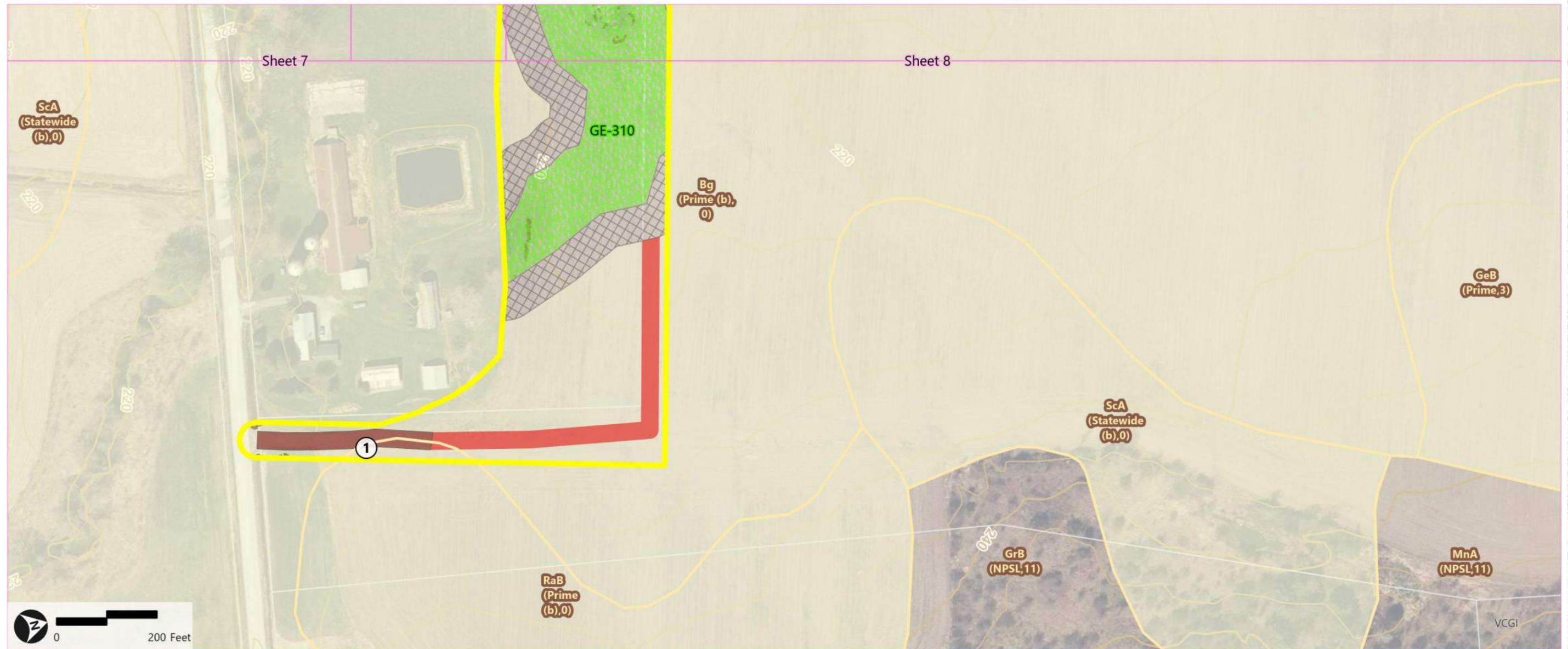
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Primary Agricultural Soils (PAS) Map Series - Sheet 46 of 59

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



October 17, 2023
Revised: January 26, 2024



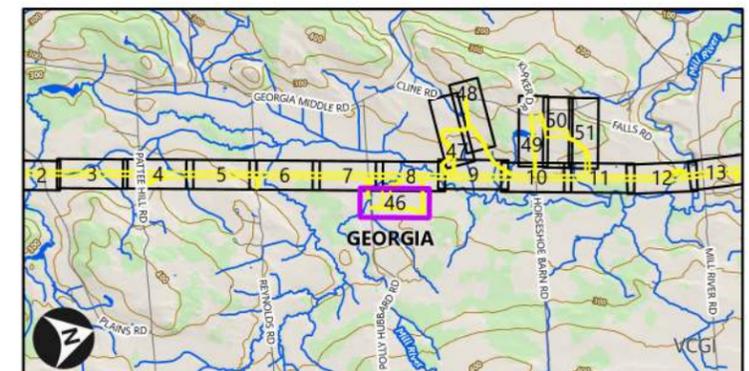
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| Prime Ag. Soil - Physical Disturbance (VHB) | Class II Wetland Buffer - 50 ft. (VHB) |
| Prime Ag. Soil - Construction Phase Physical Disturbance (VHB) | Sheet Outline (VHB) |
| NRCS Soil Boundary (VCGI) | Town Boundary (VCGI) |
| Prime Agricultural Soils (PAS) (VCGI) | Parcel Boundary (VCGI) |
| Study Area (VHB) | Areas with 15% or greater slope (VCGI) |
| Class II Wetland (VHB/VELCO) | |

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Primary Agricultural Soils (PAS) 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



October 17, 2023
Revised: January 26, 2024

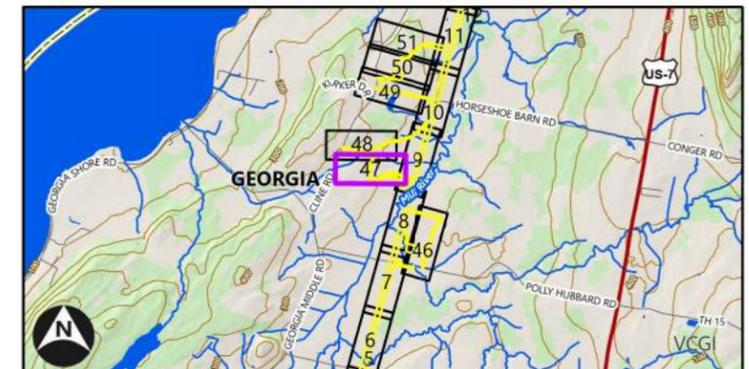


- Prime Ag. Soil - Physical Disturbance (VHB)
- Prime Ag. Soil - Construction Phase Physical Disturbance (VHB)
- NRCS Soil Boundary (VCGI)
- Prime Agricultural Soils (PAS) (VCGI)
- Study Area (VHB)
- Sheet Outline (VHB)
- Town Boundary (VCGI)
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Primary Agricultural Soils (PAS) Map Series - Sheet 48 of 59

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



October 17, 2023
Revised: January 26, 2024

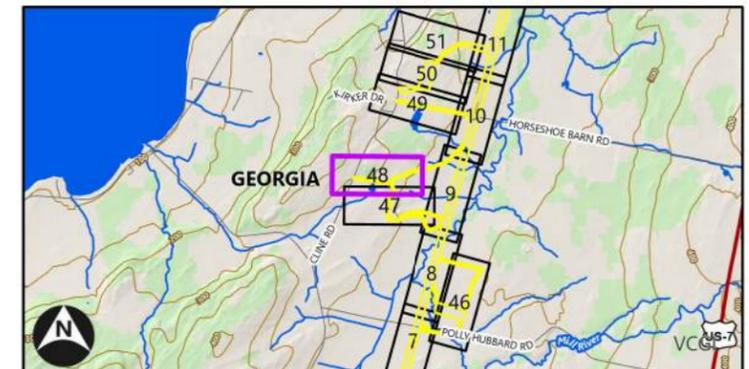


- NRCS Soil Boundary (VCGI)
- Prime Agricultural Soils (PAS) (VCGI)
- Study Area (VHB)
- Class II Wetland (VHB/VELCO)
- Class II Wetland Buffer - 50 ft. (VHB)
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Primary Agricultural Soils (PAS) Map Series - Sheet 49 of 59

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

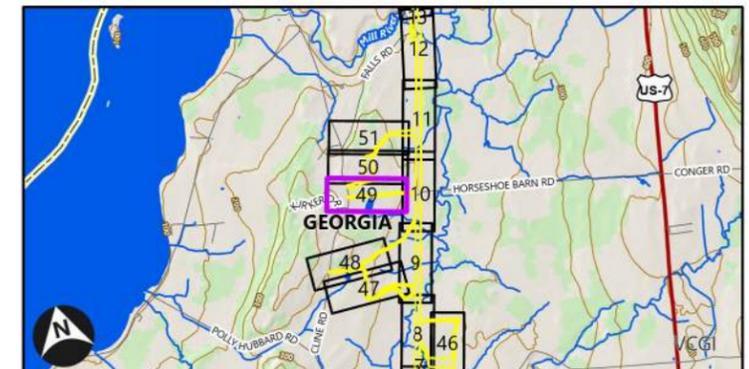


- Prime Ag. Soil - Permanent Disturbance (VHB)
- NRCs Soil Boundary (VCGI)
- Prime Agricultural Soils (PAS) (VCGI)
- Study Area (VHB)
- Class II Wetland (VHB/VELCO)
- Class II Wetland Buffer - 50 ft. (VHB)
- Sheet Outline (VHB)
- Town Boundary (VCGI)
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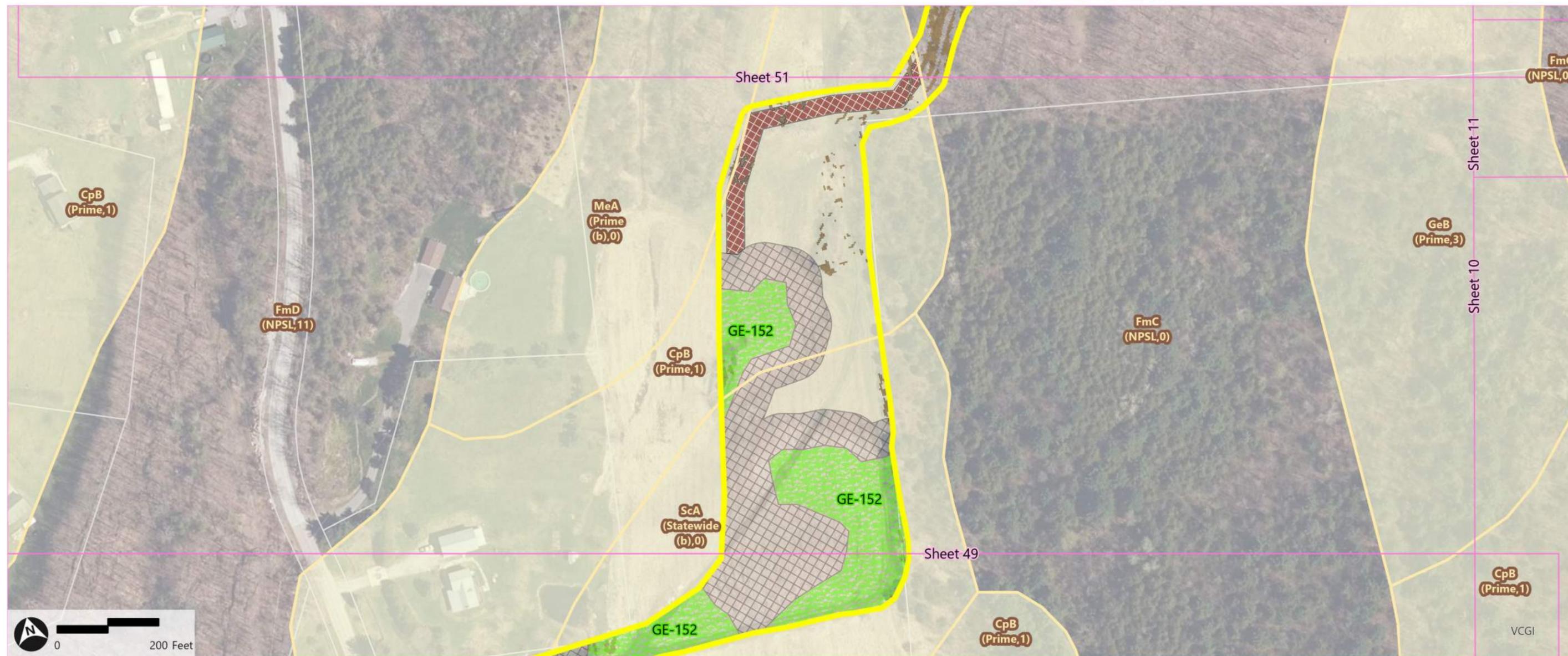
PAS Map Notes:

- ① Prime agricultural soils (PAS) to be stockpiled/windrow in this location, if needed.
- ② In certain previously developed locations where construction will take place (e.g. residential lawns), temporary stone will be placed on construction fabric as a temporary construction access method. No impacts to PAS are proposed in these locations.

Path: \\vhb.com\gis\pro\SBurrlington\58789.00 VELCO K42 Line NR_Rebuild\Project\K42 Line NR_Rebuild\VELCO K42 Line NR_Rebuild.aprx (User: JTherrien, Date: 1/26/2024)

Primary Agricultural Soils (PAS) 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

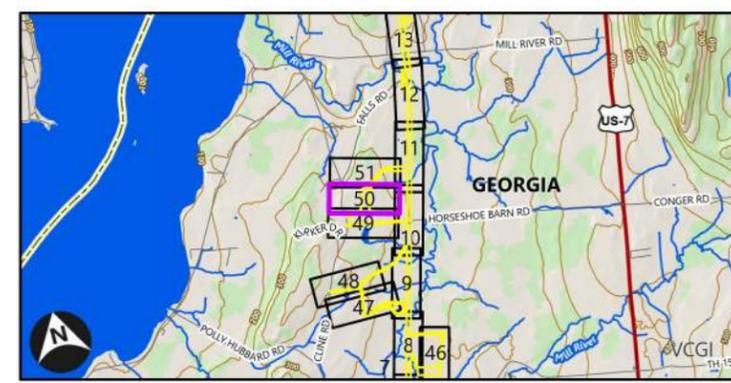


- Prime Ag. Soil - Permanent Disturbance (VHB)
- NRCS Soil Boundary (VCGI)
- Prime Agricultural Soils (PAS) (VCGI)
- Study Area (VHB)
- Class II Wetland (VHB/VELCO)
- Class II Wetland Buffer - 50 ft. (VHB)
- Sheet Outline (VHB)
- Town Boundary (VCGI)
- Parcel Boundary (VCGI)
- Areas with 15% or greater slope (VCGI)

Note:
This map shows areas of proposed access and work areas based on current design and for the purpose of enumerating physical disturbance within PAS. Minor modifications may occur based on field adjustments, work processes, and/or design amendments and will be limited to lands within the Study Area. Limited vehicular traffic, staging of materials and equipment, matting, and other project activities not likely to impact PAS will occur outside of the disturbance areas.

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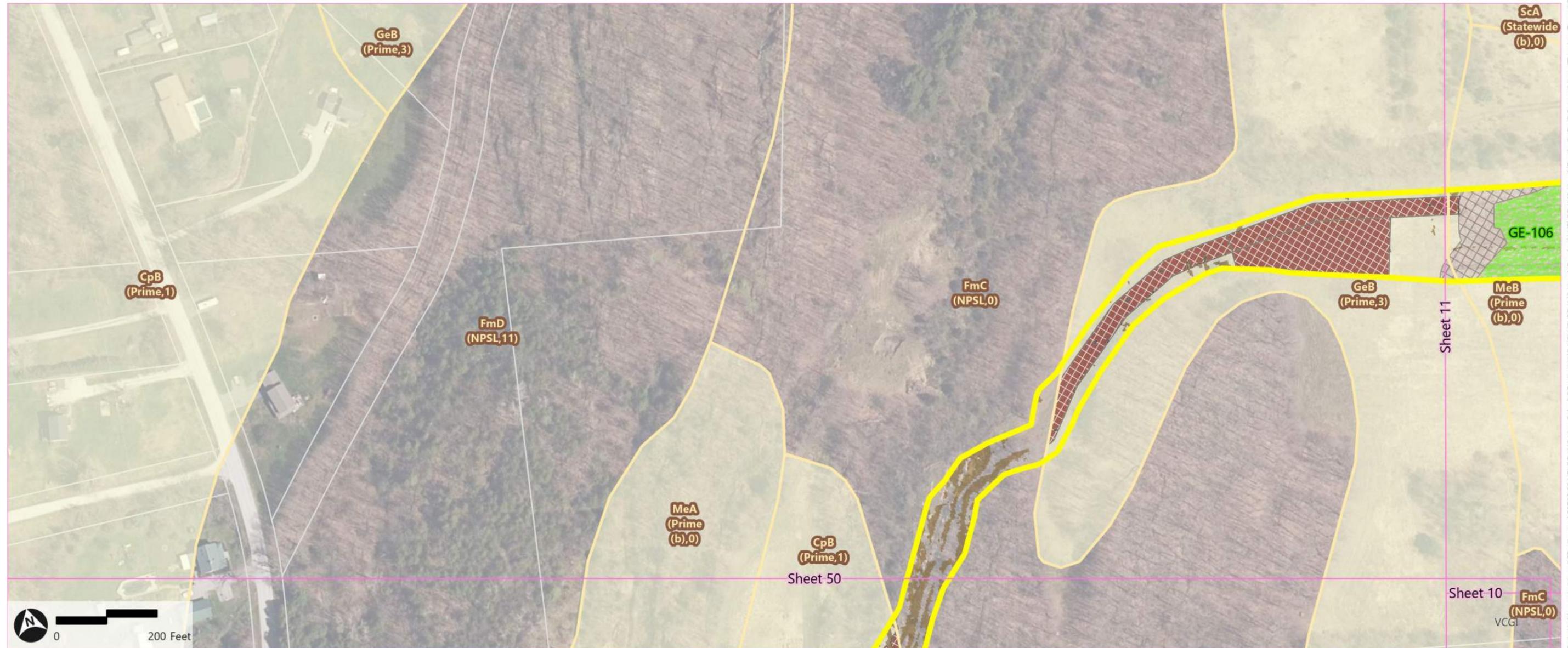
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Primary Agricultural Soils (PAS) Map Series - Sheet 51 of 59

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



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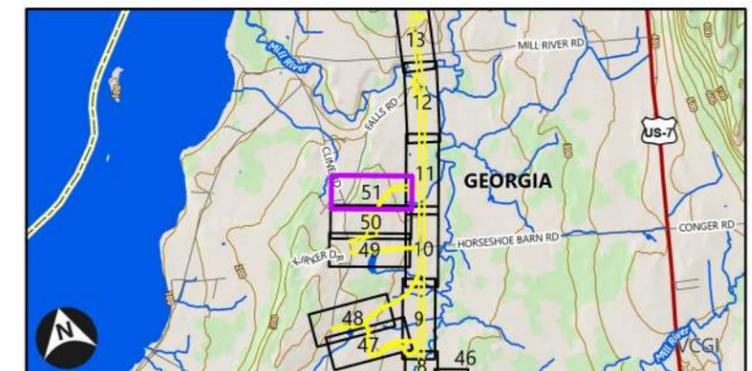
- | | |
|--|--|
| Prime Ag. Soil - Permanent Disturbance (VHB) | Class II Wetland Buffer - 50 ft. (VHB) |
| NRCS Soil Boundary (VCGI) | Sheet Outline (VHB) |
| Prime Agricultural Soils (PAS) (VCGI) | Town Boundary (VCGI) |
| Study Area (VHB) | Parcel Boundary (VCGI) |
| Class II Wetland (VHB/VELCO) | Areas with 15% or greater slope (VCGI) |

Note:

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Primary Agricultural Soils (PAS) 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



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- Non Functional PAS (VELCO/VHB)
- NRCS Soil Boundary (VCGI)
- Prime Agricultural Soils (PAS) (VCGI)
- Study Area (VHB)
- Sheet Outline (VHB)
- Town Boundary (VCGI)
- Parcel Boundary (VCGI)
- Areas with 15% or greater slope (VCGI)

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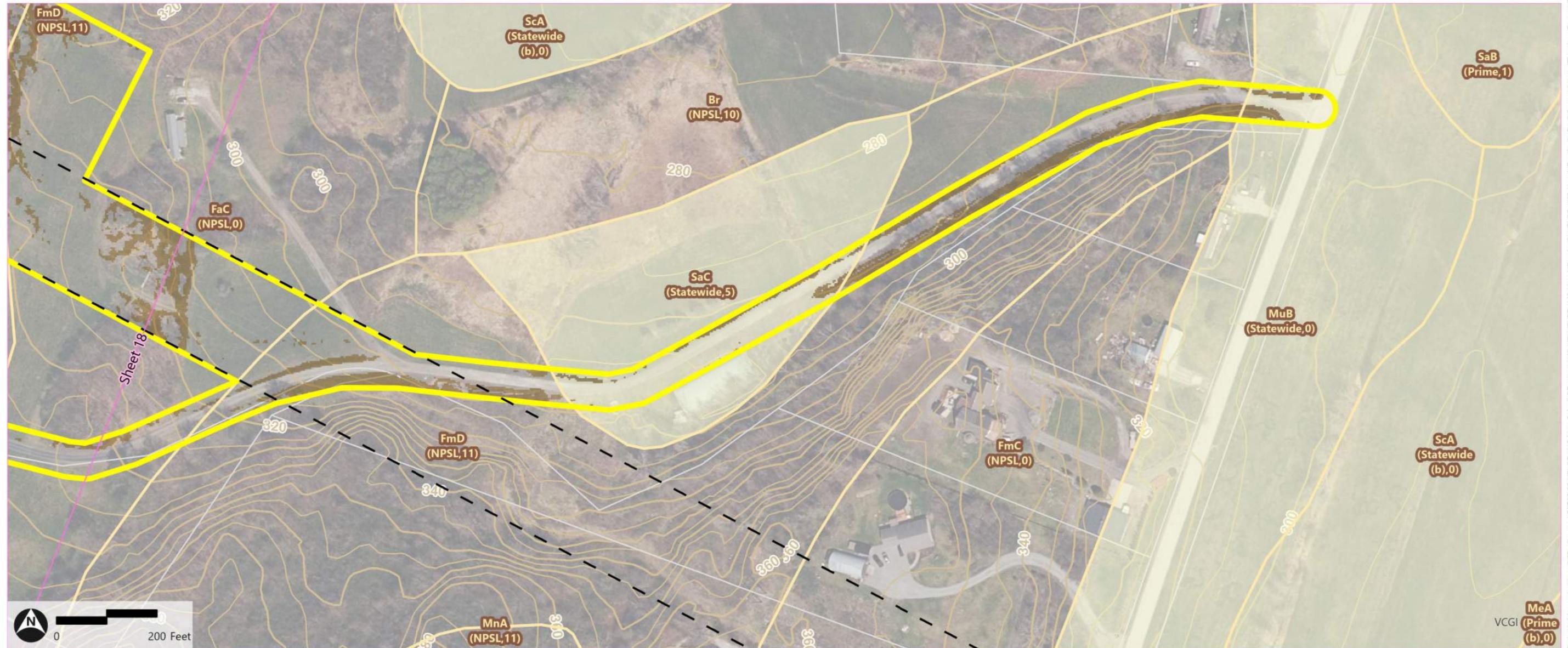
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Primary Agricultural Soils (PAS) Map Series - Sheet 53 of 59

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



October 17, 2023
Revised: January 26, 2024



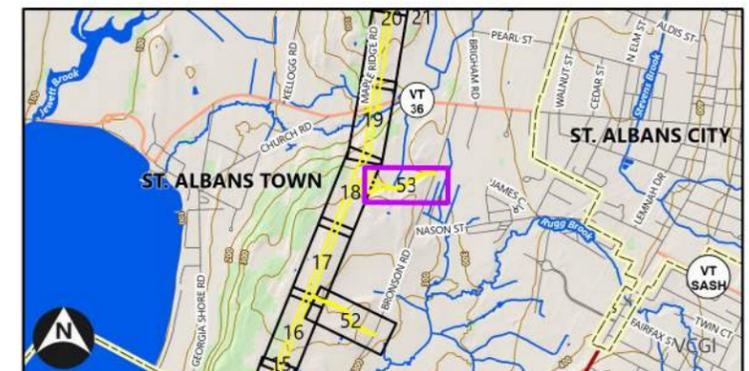
- NRCS Soil Boundary (VCGI)
- Prime Agricultural Soils (PAS) (VCGI)
- Study Area (VHB)
- Sheet Outline (VHB)
- Edge of ROW (VELCO)
- Town Boundary (VCGI)
- Parcel Boundary (VCGI)
- Areas with 15% or greater slope (VCGI)

Note:

This map shows areas of proposed access and work areas based on current design and for the purpose of enumerating physical disturbance within PAS. Minor modifications may occur based on field adjustments, work processes, and/or design amendments and will be limited to lands within the Study Area. Limited vehicular traffic, staging of materials and equipment, matting, and other project activities not likely to impact PAS will occur outside of the disturbance areas.

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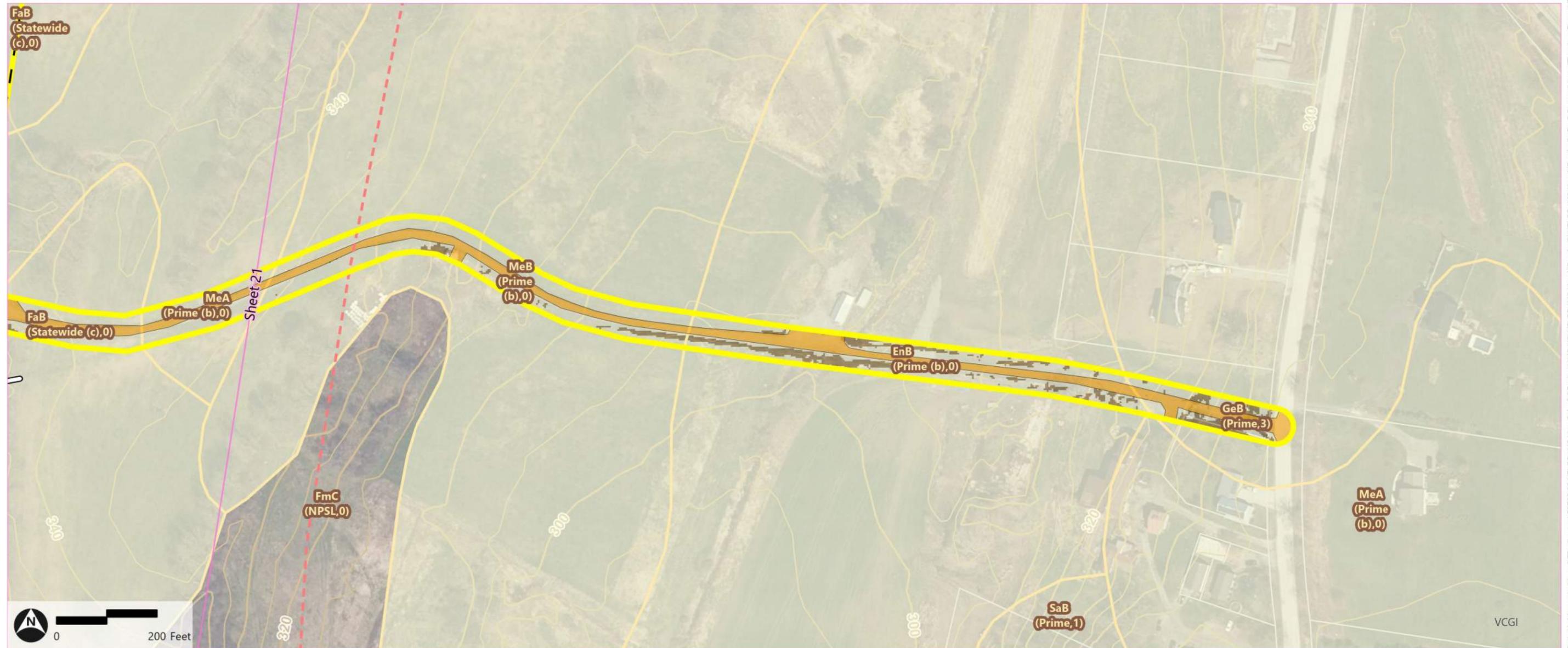
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Primary Agricultural Soils (PAS) Map Series - Sheet 54 of 59

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



October 17, 2023
Revised: January 26, 2024

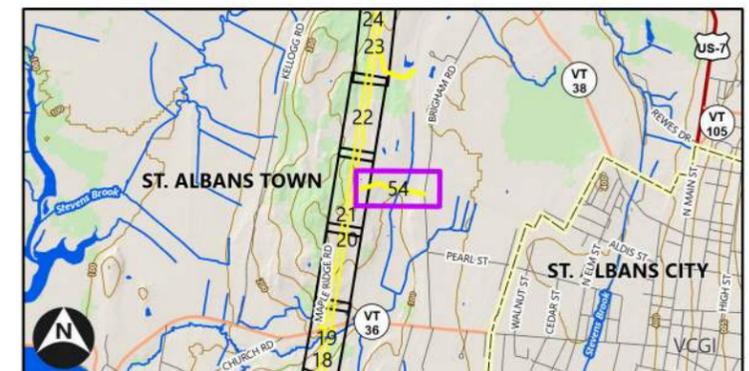


- Prior PAS Impacts (VELCO/VHB)
- NRCS Soil Boundary (VCGI)
- Prime Agricultural Soils (PAS) (VCGI)
- Previously Identified Underground Infrastructure (VELCO)
- Study Area (VHB)
- Sheet Outline (VHB)
- Edge of ROW (VELCO)
- VAST Trail (VCGI)
- Town Boundary (VCGI)
- Parcel Boundary (VCGI)
- Areas with 15% or greater slope (VCGI)

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Primary Agricultural Soils (PAS) Map Series - Sheet 55 of 59

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



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- Prior PAS Impacts (VELCO/VHB)
- NRCS Soil Boundary (VCGI)
- Prime Agricultural Soils (PAS) (VCGI)
- Study Area (VHB)
- Sheet Outline (VHB)
- Town Boundary (VCGI)
- Parcel Boundary (VCGI)
- Areas with 15% or greater slope (VCGI)

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Primary Agricultural Soils (PAS) Map Series - Sheet 56 of 59

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



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- Prior PAS Impacts (VELCO/VHB)
- NRCS Soil Boundary (VCGI)
- Prime Agricultural Soils (PAS) (VCGI)
- Study Area (VHB)
- Sheet Outline (VHB)
- Town Boundary (VCGI)
- Parcel Boundary (VCGI)
- Areas with 15% or greater slope (VCGI)

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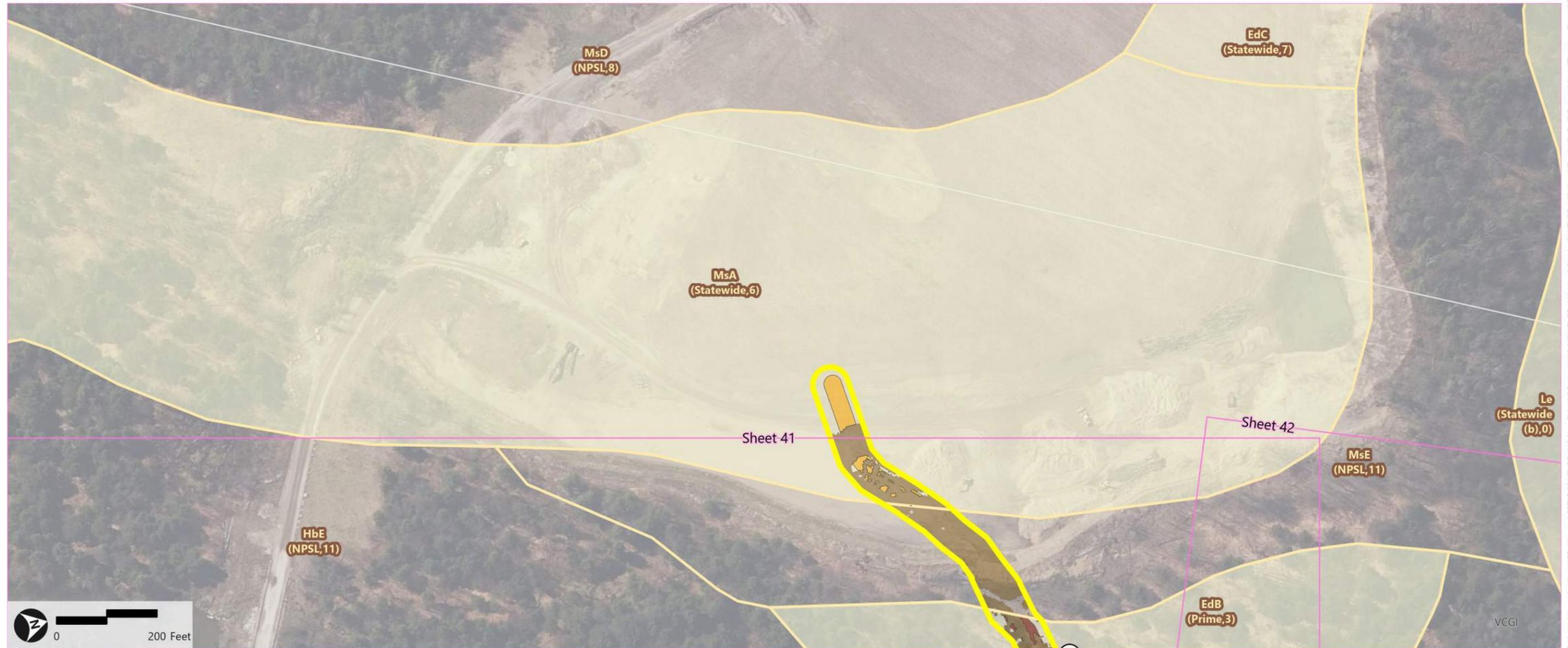
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Primary Agricultural Soils (PAS) Map Series - Sheet 57 of 59

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



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Revised: January 26, 2024



- | | |
|---|--|
| Prime Ag. Soil - Physical Disturbance (VHB) | Sheet Outline (VHB) |
| Prior PAS Impacts (VELCO/VHB) | Town Boundary (VCGI) |
| NRCS Soil Boundary (VCGI) | Parcel Boundary (VCGI) |
| Prime Agricultural Soils (PAS) (VCGI) | Areas with 15% or greater slope (VCGI) |
| Study Area (VHB) | |

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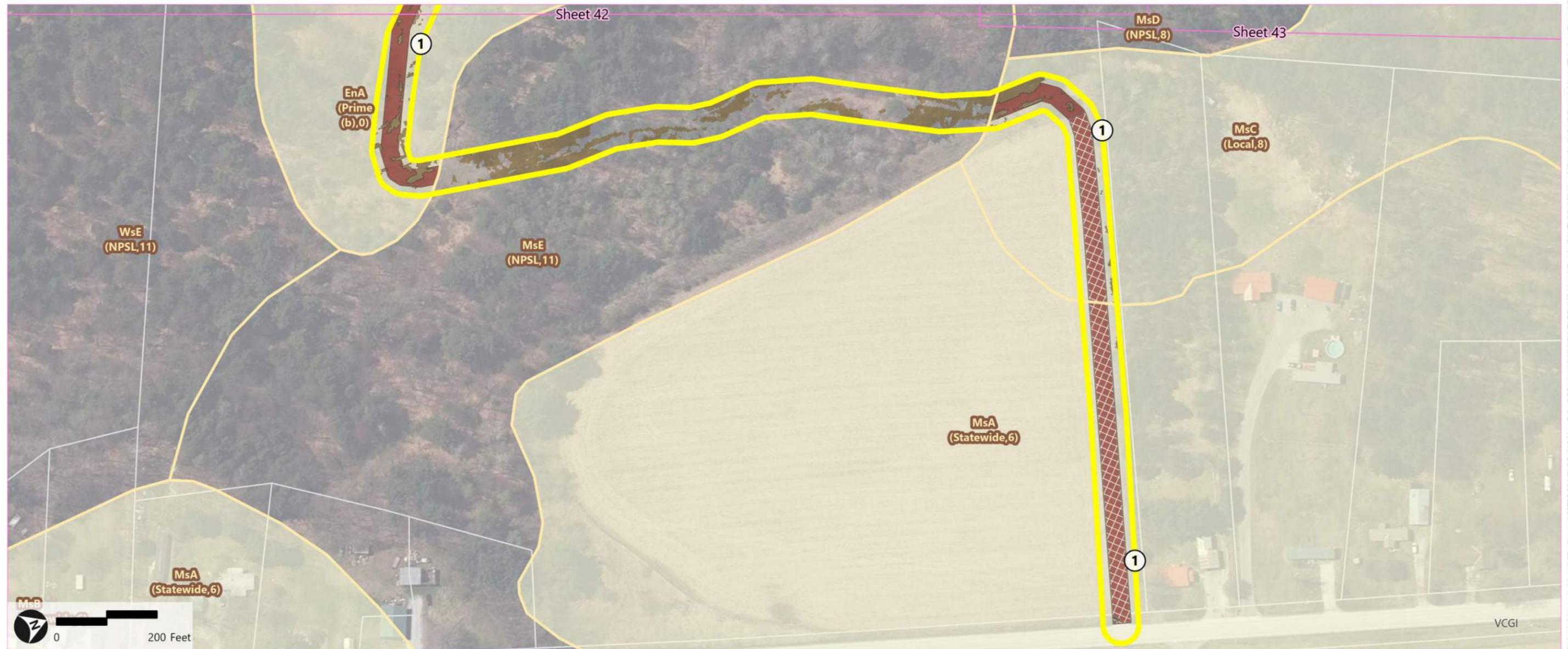
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Primary Agricultural Soils (PAS) Map Series - Sheet 58 of 59

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



October 17, 2023
Revised: January 26, 2024

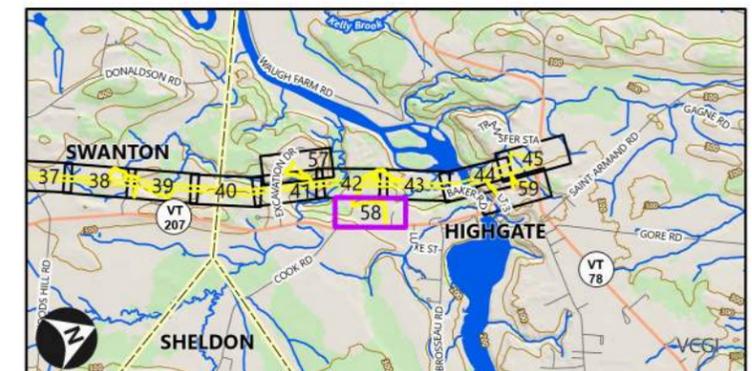


- Prime Ag. Soil - Physical Disturbance (VHB)
- Prime Ag. Soil - Permanent Disturbance (VHB)
- NRCS Soil Boundary (VCGI)
- Prime Agricultural Soils (PAS) (VCGI)
- Study Area (VHB)
- Sheet Outline (VHB)
- Town Boundary (VCGI)
- Parcel Boundary (VCGI)
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Primary Agricultural Soils (PAS) 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



October 17, 2023
Revised: January 26, 2024



- | | |
|---|--|
| Prime Ag. Soil - Physical Disturbance (VHB) | Class II Wetland Buffer - 50 ft. (VHB) |
| Prior PAS Impacts (VELCO/VHB) | Sheet Outline (VHB) |
| NRCS Soil Boundary (VCGI) | Town Boundary (VCGI) |
| Prime Agricultural Soils (PAS) (VCGI) | Parcel Boundary (VCGI) |
| Study Area (VHB) | Areas with 15% or greater slope (VCGI) |

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VERMONT IMPORTANT FARMLAND RATING	MAP SYMBOL (MUSYM)	SOIL DESCRIPTION	MAPPED AREA (ACRES)	EXCLUDED AREAS			ADJUSTED PAS (ACRES)	PROPOSED PAS IMPACTS (ACRES)						
				CLASS II WETLANDS AND BUFFERS (ACRES)	STEEP SLOPES (≥15%) (ACRES)	PRIOR IMPACTS & NON FUNCTIONAL PAS (ACRES)		CONSTRUCTION PHASE PHYSICAL DISTURBANCE	CHANGE FROM FILING** (+/-)	PHYSICAL DISTURBANCE	CHANGE FROM FILING** (+/-)	PERMANENT	CHANGE FROM FILING** (+/-)	CUMULATIVE NET CHANGE SINCE OCT. 2023** (+/-)
Prime / Statewide	AuA	Au Gres loamy fine sand, 0 to 6 percent slopes	6.14	4.17	1.82		0.15	0.49		0.24				0.00
	Bg	Binghamville silt loam	15.57	4.47	0.77	0.08	10.25	2.82	-0.34	0.05				-0.34
	CpB	Copake fine sandy loam, 2 to 8 percent slopes	11.52	2.63	1.35	0.70	6.84	0.92	-0.02	0.76	-0.04	0.31		-0.06
	DeB	Deerfield loamy fine sand, 0 to 8 percent slopes	0.83	0.17	0.03	0.17	0.46	0.27		0.01				0.00
	EdA	Eldridge loamy fine sand, 0 to 3 percent slopes	4.32		0.61	0.38	3.33	0.46		0.29				0.00
	EdB	Eldridge loamy fine sand, 3 to 8 percent slopes	5.24	0.27	1.21		3.76	0.68	0.01	0.40				0.01
	EnA	Enosburg loamy fine sand, 0 to 3 percent slopes	1.48	0.29	0.16		1.03	0.04		0.33				0.00
	EnB	Enosburg loamy fine sand, 3 to 8 percent slopes	15.98	10.40	2.17	0.57	2.84	1.29		0.26				0.00
	FaB	Farmington loam, very rocky, 3 to 8 percent slopes	4.82	0.15	0.84	0.32	3.51	0.25	-0.05	0.87				-0.05
	GeA	Georgia stony loam, 0 to 3 percent slopes	1.99	0.08	0.11	0.23	1.57	0.30	0.05					0.05
	GeB	Georgia stony loam, 3 to 8 percent slopes	9.99	0.34	0.79	0.35	8.51	1.82	0.02	0.11		0.70		0.02
	GeC	Georgia stony loam, 8 to 15 percent slopes	0.95		0.26	0.15	0.54							0.00
	KbA	Kingsbury clay, 0 to 3 percent slopes	2.55	0.52	0.37	0.06	1.60	0.97	-0.01					-0.01
	Le	Limerick silt loam	4.29	3.07	1.13		0.09	0.13						0.00
	LoB	Lordstown loam, rocky, 3 to 8 percent slopes	15.25	2.09	1.97	0.67	10.52	1.67	-0.05	1.08	-0.23			-0.28
	LoC	Lordstown loam, rocky, 8 to 15 percent slopes	2.13	0.32	1.35		0.46			0.24				0.00
	MeA	Massena stony loam, 0 to 3 percent slopes	13.54	1.53	2.03	1.43	8.55	2.08	0.13	0.57				0.13
	MeB	Massena stony loam, 3 to 8 percent slopes	5.50	0.79	0.79	1.47	2.45	0.34		0.23		0.01	0.01	0.01
	MsA	Missisquoi loamy sand, 0 to 3 percent slopes	0.82		0.16	0.06	0.60				-0.32	0.26	0.26	-0.06
	MsC	Missisquoi loamy sand, 8 to 15 percent slopes	1.82	0.30	0.94		0.58			0.21	-0.15	0.15	0.15	0.00
	MuB	Munson silt loam, 3 to 8 percent slopes	0.14		0.04		0.10							0.00
	Pu	Podunk variant silt loam	1.81	1.52	0.23		0.06	0.12		0.04				0.00
	RaB	Raynham silt loam, 3 to 8 percent slopes	13.06	1.25	1.57	1.18	9.06	3.17	-0.23	1.78	0.02			-0.21
	Ru	Rumney variant silt loam	2.64	2.31	0.23		0.10							0.00
	SaA	St. Albans slaty loam, 0 to 3 percent slopes	1.33	0.94	0.14		0.25			0.05	-0.01			-0.01
	SaB	St. Albans slaty loam, 3 to 8 percent slopes	13.58	1.15	2.08	2.01	8.34	1.70	-0.04	1.11				-0.04
	SaC	St. Albans slaty loam, 8 to 15 percent slopes	0.53	-	0.07		0.46							0.00
	ScA	Scantic silt loam, 0 to 3 percent slopes	29.21	13.94	1.37		13.90	4.30	0.18	0.51				0.18
	ScB	Scantic silt loam, 3 to 8 percent slopes	1.39	0.12	0.05		1.22	0.35	-0.01	0.24				-0.01
	Wh	Wareham loamy fine sand	4.78	3.66	0.71	0.38	0.03	0.10		0.02				0.00
WsA	Windsor loamy fine sand, 0 to 3 percent slopes	5.72	0.83	1.13	0.02	3.74	1.09	-0.01	0.10				-0.01	
WsB	Windsor loamy fine sand, 3 to 8 percent slopes	25.42	4.99	5.81	5.87	8.75	2.15	0.10	1.75	-0.11			-0.01	
		Sub-Total (Acres)	224.34	62.3	32.3	16.1	113.7	27.5	-0.3	11.3	-0.8	1.4	0.4	-0.69



VERMONT IMPORTANT FARMLAND RATING	MAP SYMBOL (MUSYM)	SOIL DESCRIPTION	MAPPED AREA (ACRES)	EXCLUDED AREAS			ADJUSTED PAS (ACRES)	PROPOSED PAS IMPACTS (ACRES)						
				CLASS II WETLANDS AND BUFFERS (ACRES)	STEEP SLOPES (≥ 15%) (ACRES)	PRIOR IMPACTS & NON FUNCTIONAL PAS (ACRES)		CONSTRUCTION PHASE PHYSICAL DISTURBANCE	CHANGE FROM FILING** (+/-)	PHYSICAL DISTURBANCE	CHANGE FROM FILING** (+/-)	PERMANENT	CHANGE FROM FILING** (+/-)	CUMULATIVE NET CHANGE SINCE OCT. 2023** (+/-)
Not Prime (NPSL)	DeC*	Deerfield loamy fine sand, 8 to 15 percent slopes	0.35		0.01		0.34	0.17	0.17	---	---	---	---	0.17
	BxE	Buxton silt loam, 25 to 45 percent slopes	0.00				0.00	---	---	---	---	---	---	0.00
	Ce	Carlisle muck	0.75				0.75	---	---	---	---	---	---	0.00
	FaC	Farmington loam, very rocky, 8 to 15 percent slopes	11.05				11.05	---	---	---	---	---	---	0.00
	FmC*	Farmington-Rock outcrop complex, 6 to 15 percent slopes	41.77	3.39	13.79	0.01	24.58	0.21	---	---	---	---	---	0.00
	FmD	Farmington-Rock outcrop complex, 15 to 60 percent slopes	30.90				30.90	---	---	---	---	---	---	0.00
	GrB*	Georgia extremely stony loam, 0 to 8 percent slopes	6.49	2.37	1.18		2.94	0.19	---	---	---	---	---	0.00
	HbE	Hinesburg loamy fine sand, 25 to 60 percent slopes	4.10				4.10	---	---	---	---	---	---	0.00
	LrC*	Lordstown-Rock outcrop complex, 5 to 15 percent slopes	10.20		2.49		7.71	0.49	---	1.60	---	---	---	0.00
	LrD*	Lordstown-Rock outcrop complex, 15 to 25 percent slopes	9.83	1.59	3.77	0.50	3.97	0.75	-0.50	0.08	---	---	---	-0.50
	Ly	Lyons stony loam	2.74				2.74	---	---	---	---	---	---	0.00
	MnA*	Massena extremely stony loam, 0 to 6 percent slopes	14.06	5.44	1.86		6.76	1.24	-0.04	0.75	---	0.02	0.02	-0.02
	MsD	Missisquoi loamy sand, 15 to 25 percent slopes	1.90				1.90	---	---	---	---	---	---	0.00
	MsE	Missisquoi loamy sand, 25 to 60 percent slopes	1.17				1.17	---	---	---	---	---	---	0.00
	SbC	St. Albans very stony loam, 8 to 15 percent slopes	1.06				1.06	---	---	---	---	---	---	0.00
	Tm	Terric Medisaprists	3.15				3.15	---	---	---	---	---	---	0.00
	W	Water	0.93				0.93	---	---	---	---	---	---	0.00
	WsC	Windsor loamy fine sand, 8 to 15 percent slopes	1.52				1.52	---	---	---	---	---	---	0.00
WsD	Windsor loamy fine sand, 15 to 25 percent slopes	0.01				0.01	---	---	---	---	---	---	0.00	
WsE	Windsor loamy fine sand, 25 to 60 percent slopes	4.11				4.11	---	---	---	---	---	---	0.00	
Totals (acres):			306.69	75.1	55.4	16.6	159.6	30.6	-0.6	13.7	-0.8	1.5	0.4	-1.04

*These NPSL rated soils were noted to have active agricultural activities occurring on them in recent observations, and as such, are being included in the PAS impact totals

**Represents impact change from original Section 248 Filing, submitted on October 26, 2023.