

	nn of S		P J ıland Wetlands Permit Applicat	tion
DATE: 7-8-22	FEE: §Waived	CK #:	APP#:_27-17	?
PROPERTY ADDRESS: 22 Iron	n Horse Bouleva	ard, Simsbury,	СТ	
NAME OF APPLICANT: Simsh	ury Meadows P	erforming Arts	Center, Inc	
MAILING ADDRESS: P. O. Bo	ox 245			
			TELEPHONE # 860 841-4710)
NAME OF OWNER: Town of	Simsbury		TELEPHONE # 860 841-4710	
MAILING ADDRESS: 933 Hop	meadow Street	t, Simsbury, C	T 06070	
			_ _{TELEPHONE #} 860 658-3230)
	LETTER OF AGENCY	Y, DULY ACKNOWL	EDGED, TO ACT FOR THE OW	
ACTIVITIES" AS DEFINED IN S REMOVE MATERIAL FROM; B)	ECTION 6 OF THE SI	MSBURY INLAND W N OR DISCHARGE TO	GHT AS IT RELATES TO "REGULA ETLANDS REGULATIONS, SUCH AS D; C) CONSTRUCT ON; D) OBSTRUCT AFFECT A REGULATED A	S: A)
CERTIFICATIONS AND PERM	IISSIONS:			****
As owner, I hereby give perm	nission to the Town	of Simsbury's Cons	ervation Commission Inland Wetl	ands
Watercourses Agency, their Age	nts, or Town Staff to e	enter upon my land t	o make observations and tests as ma	ay be
necessary to evaluate this applica	tion and ongoing work	, subject to twenty-fo	ur hours notice of such entry/testing.	•
I hereby certify that all statemen	its herein are true to t	he best of my knowle	edge, whether made by me or my ag	gents.
Any permit issued shall be conti	ngent upon field condi	tions and activities b	eing substantiated as indicated herei	in. A
changed situation shall require re	econsideration of the p	ermit by the Commis	sion upon discovery by either party.	
I certify that I have the authority	to sign this application		7/8/22	
Signature of Owner	Date	Signature and Titl	e pf Applicant Date	te

Hollis Joseph

From:

billclegg@comcast.net

Sent:

Monday, July 11, 2022 4:53 PM

To:

Hollis Joseph

Subject:

RE: Wetlands and Zoning Commission Applications

Joe the SF is 3,000. Let me know if you need anything else.



Bill Clegg FIIDA, LEED AP Project Manager JLC Interiors

Mobile: 860 841-4710 Email: billclegg@comcast.net

32 Brook Drive Simsbury, CT 06070



From: Hollis Joseph <jhollis@simsbury-ct.gov>

Sent: Monday, July 11, 2022 10:42 AM

To: 'billclegg@comcast.net' <billclegg@comcast.net> **Cc:** McGregor George <gmcgregor@simsbury-ct.gov>

Subject: RE: Wetlands and Zoning Commission Applications

Good morning Bill,

Do you have the square footage of the proposed build out? Once we have that information, I can add the write up to the file.

Thank you,

Joseph Hollis Land Use Specialist Town of Simsbury 933 Hopmeadow Street Simsbury, CT 06070 P(860) 658 3245 F(860) 658 3217 jhollis@simsbury-ct.gov



From: billclegg@comcast.net <billclegg@comcast.net>

Sent: Friday, July 8, 2022 4:43 PM

To: Hollis Joseph < jhollis@simsbury-ct.gov>

Cc: McGregor George <gmcgregor@simsbury-ct.gov>

Subject: RE: Wetlands and Zoning Commission Applications

Joe, here is the description of the project. Let me know if this works.

This project would build out the facility to upgrade it to a truly professional venue with all the appropriate infrastructure needed to attract outside promoters, rental clients, and even to enable the SMPAC to affordably produce its own shows. The build out would include a backstage area, with dressing rooms and bathrooms for performers; restrooms & office space for staff, meeting & rehearsal space for both SMPAC staff & board as well as for use by other non-profits (especially arts related) in town; some storage area – needed for HSO equipment left on-site between concerts, and restrooms for the general public. Since the facility is located in the downtown area and is adjacent to the playground, the dog park and the bike trail, these restrooms would be a significant amenity to users of those town recreational areas as well as to users of the SMPAC facility.



Bill Clegg FIIDA, LEED AP Project Manager JLC Interiors

Mobile: 860 841-4710 Email: billclegg@comcast.net

32 Brook Drive Simsbury, CT 06070



From: Hollis Joseph < ihollis@simsbury-ct.gov>

Sent: Tuesday, July 5, 2022 1:51 PM

To: 'billclegg@comcast.net' < billclegg@comcast.net > Subject: Wetlands and Zoning Commission Applications

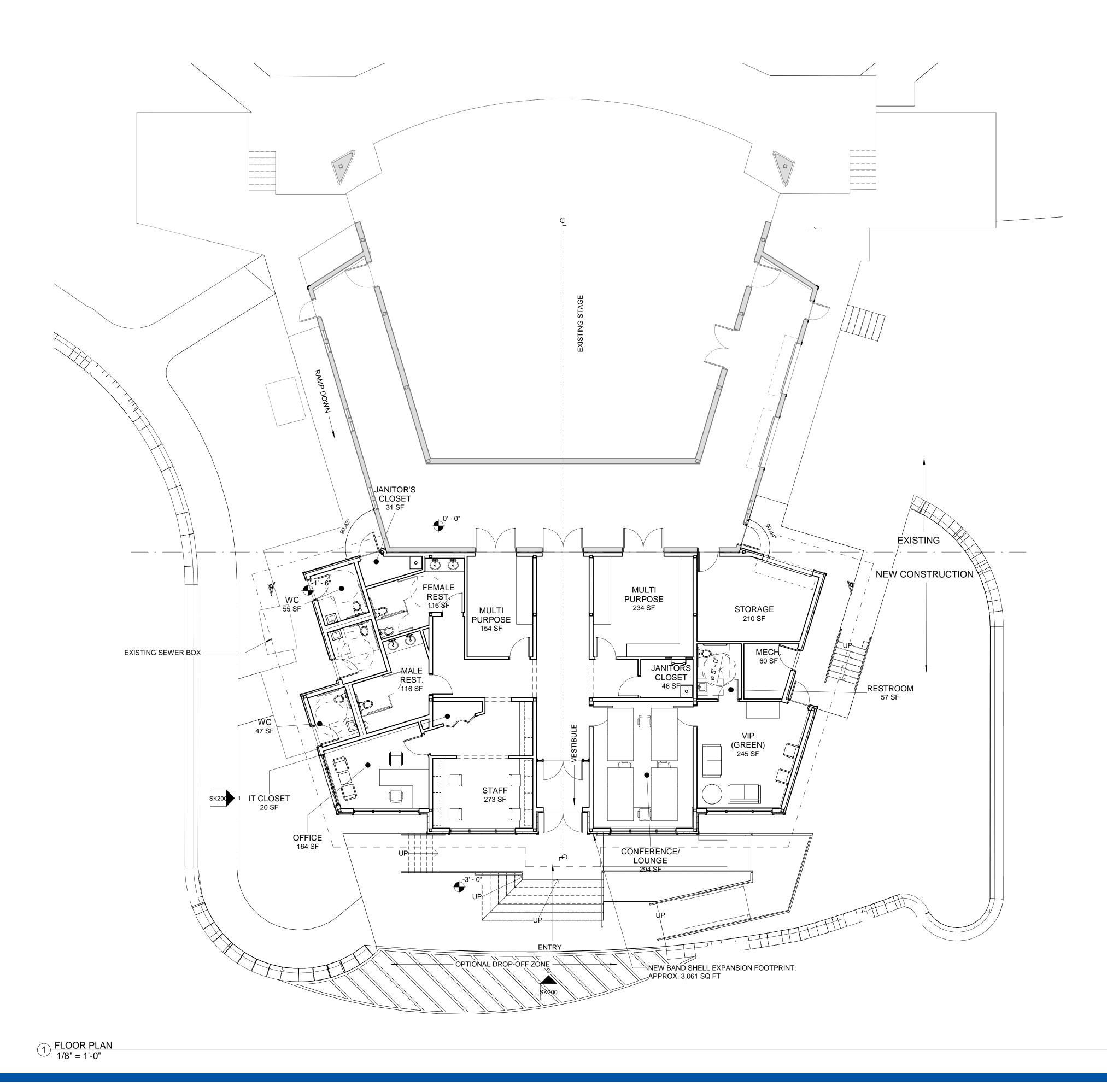
Good afternoon Bill,

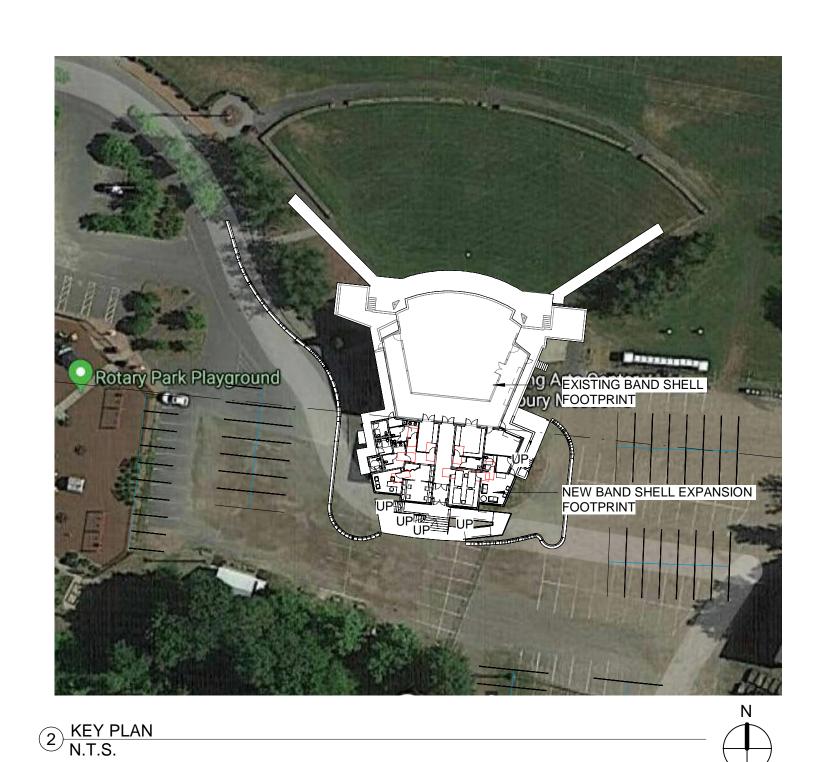
I have attached the meeting schedules for both the Zoning and the Conservation Commission for your review. Please submit the wetlands application at least a week prior to the meeting date to allow for Staff review. For the Zoning Commission Special Exception and Site Plan application the application would be needed two and a half weeks prior to the meeting to allow time for legal notice. The wetlands application fee is \$240.00 and the SE/SP application fee would be \$530.00. If you have any questions, please call me at 860-658-3292. It was nice meeting you today.

Regards,

Joseph Hollis Land Use Specialist Town of Simsbury 933 Hopmeadow Street Simsbury, CT 06070 P(860) 658 3245 F(860) 658 3217 jhollis@simsbury-ct.gov











BAND SHELL EXPANSION 22 IRON HORSE BLVD, SIMSBURY, CT 06070 SITE PLAN | 07/07/22





BAND SHELL EXPANSION 22 IRON HORSE BLVD, SIMSBURY, CT 06070





BAND SHELL EXPANSION 22 IRON HORSE BLVD, SIMSBURY, CT 06070 PAC ADDITION RENDERING | 07/07/2022





September 23, 2021

Mr. Jerome Shea **Town Engineer** Town of Simsbury 933 Hopmeadow Street Simsbury, CT 06070



Re: **Simsbury Meadows Performing Arts Center Wetlands Boundary Verification Inspection** Simsbury, Connecticut SLR #141.11613.00025.0020

Dear Mr. Shea:

As requested, on September 14, 2021, I visited the existing Simsbury Meadows Performing Arts Center located at 22 Iron Horse Boulevard in Simsbury to verify federal and state wetland boundaries that had been previously flagged by others. Our wetland boundary verification area was bounded by the Performing Arts Center building to the north, forested/scrub shrub floodplain wetland to the east, the dog park to the south, and a scrub shrub floodplain wetland and playground area to the west. The project area consists of two pervious parking areas, a storage shed, gravel driveways, and maintained lawn areas. An approximately 1-acre gravel parking lot is located immediately south of the Performing Arts Center building, and an approximately 0.9-acre maintained lawn parking area exists to the south of the gravel parking lot. The site is accessed via a paved access drive extending southeast from Iron Horse Boulevard, located west of the project area. Federal and state wetlands were delineated in 2015 by Jennifer Beno of Soil Science and Environmental Services, Inc. (SSES) and exist along the eastern and western edges of the project area. Based upon my visual assessment of the site and evidence of old wetland flagging, as well as current soil mapping, the wetlands adjacent to the proposed project are consistent with the wetland boundaries as delineated in 2015 and as depicted on the project plans. The existing wetland boundaries are illustrated on the site plans entitled "Performing Arts Center Parking Lot Improvements" prepared by SLR International Corporation and dated August 2021.

The wetlands adjacent to the project area consist of palustrine emergent, scrub shrub, and forested floodplain wetlands supported by a combination of alluvial, poorly drained, and very poorly drained soils. The 2015 SSES delineation report has been included with this letter as a reference, as well as a current United States Department of Agriculture - Natural Resources Conservation Service (USDA-NRCS) Web Soil Survey map.

SOIL SCIENCE AND ENVIRONMENTAL SERVICES, INC.

Wetland Delineations

Ecological Studies

Site Assessments

Project Planning

Soil Testing

May 1, 2015

ATTN: Jerome Shea Town of Simsbury 933 Hopmeadow Street Simsbury, CT 06070

Re: W

Wetlands Delineation Report

Simsbury Meadows Project Area, Iron Horse Boulevard,

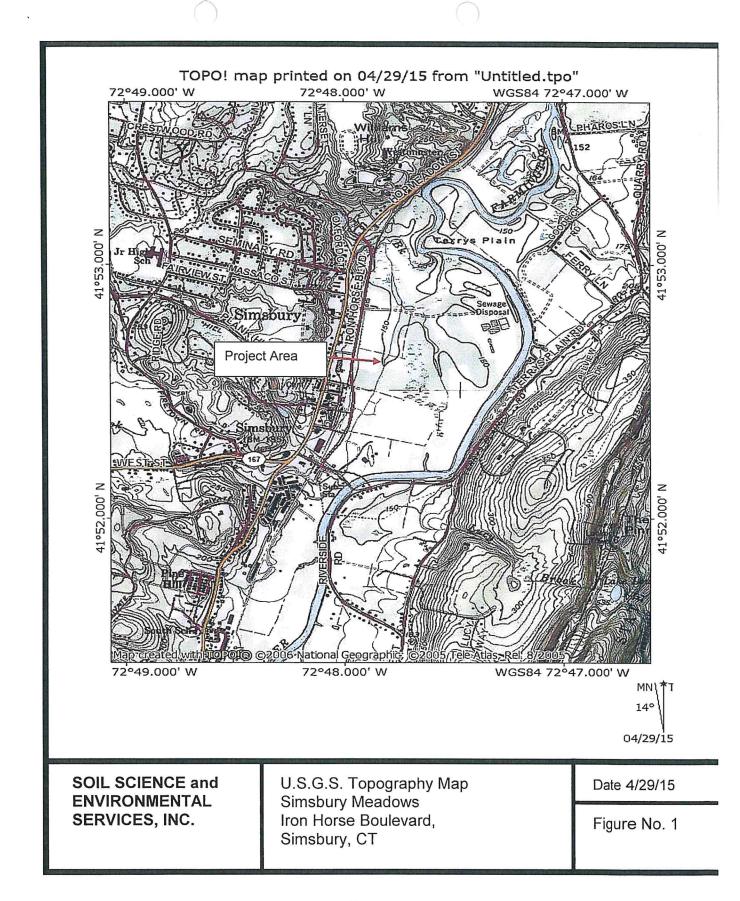
Simsbury, CT

Dear Mr. Shea:

In accordance with your request, Scott D. Stevens, Soil Scientist and Jennifer L. Beno, Biologist/Wetland Scientist, with Soil Science And Environmental Services, Inc. (SSES) inspected the Simsbury Meadows project area for the Town of Simsbury on April 23, 27 and 28, 2015. The purpose of the inspections was to identify regulated wetlands within the project area specified by the Town.

The project area is located in the east central portion of the Town of Simsbury within a commercially developed area west of the Farmington River (Figure 1). The project area (Figure 2) as indicated by the Town of Simsbury consists of a gravel access road, gravel parking area, dog park, garage/shed, amphitheater and arts building, playground, and floodplain wetlands.

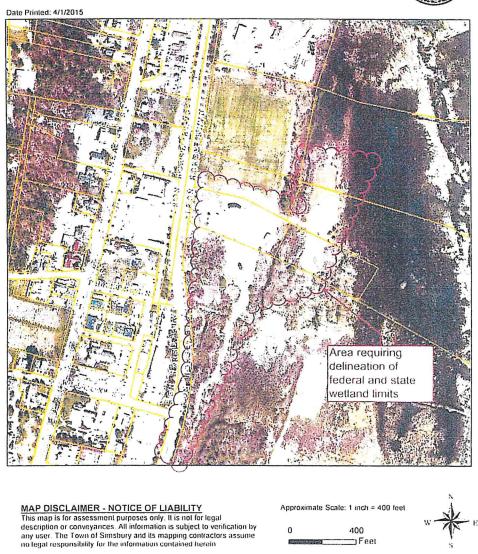
Regulated wetlands and watercourses are present in and near the project area, including CT Inland Wetlands and Federal Wetlands. Definitions of waters and wetlands that are regulated by the State of Connecticut and Federal Government are presented in Appendix I. Rivers and streams are regulated by the State of CT as watercourses according to the Inland Wetlands and Watercourses Act. Rivers and streams are regulated by the Federal Government as "Waters of the U.S." Wetlands are defined differently by the State of CT and the Federal Government. CT Inland Wetlands are defined by soil types that are either poorly drained, very poorly drained, floodplain or alluvial. Federal Wetlands consist of areas that are inundated or saturated by ground or surface water at a frequency and duration sufficient to support, and that under normal conditions do support, a prevalence of vegetation typically adapted for life in saturated soil conditions.



Print Map Page 1 of 1

Town of Simsbury Geographic Information System (GIS)





http://simsbury.mapxpress.net/ags_map/printmap.asp?extentYmin... 4/1/2015

Figure 2 - Project Area Specified by Town of Simsbury

A spade and auger were used to dig test holes for soils identification during the investigation. The vegetation communities and any physical indicators of hydrology on the site were also examined. The limits of the CT Inland Wetlands and the Federal Wetlands were determined to differ within the limits of the project area. The CT Inland Wetland boundaries were delineated with consecutively numbered orange survey tapes, while Federal Wetland boundaries were delineated with consecutively numbered blue survey tapes. Sketch maps of the delineated wetland boundaries are included as Figures 3 - 6.

CONNECTICUT INLAND WETLANDS & SOIL TYPES

CT inland wetlands were delineated within the project area. See Figure 3-6. The wetland soils within the project area include:

- Aq <u>Aquents</u> This is a poorly to very poorly drained, disturbed soil where two or more feet of the original soil surface has been altered by filling, excavation and/or grading. Aquents are characterized by a seasonal to prolonged high groundwater table at or near the ground surface. Aquents are capable of supporting a prevalence of hydrophytic plants.
- 13 <u>Walpole sandy loam</u> (Aeric Endoaquepts)- This is a deep, poorly drained, friable, coarse-loamy textured soil that developed over sandy and gravelly, glacial outwash. Outwash soils occur in valleys, outwash plains and terraces.
- 102 <u>Pootatuck fine sandy loam</u> (Fluvaqentic Dystrudepts) This is a deep, moderately well drained, friable, coarse-loamy textured soil that formed in alluvial sediments principally derived from schist, gneiss and granite. Pootatuck soils occur in nearly level floodplains and along rivers and streams which are subject to frequent flooding. The Pootatuck soil was formerly mapped in Connecticut as the Podunk fine sandy loam.
- 107 <u>Limerick and Lim soils</u> (Aeric & Typic Fluvaquents) These are deep, poorly drained, friable, silty and coarse-loamy soils that formed in alluvial sediments derived from schist, gneiss and granite. Limerick and Lim soils occur in nearly level floodplains and along rivers and streams which are subject to frequent flooding.
- 108 <u>Saco silt loam</u> (Fluvaquentic Humaquepts) This is a deep, very poorly drained, friable, silty soil that formed in alluvial sediments derived from schist, gneiss and granite. Saco soils often possess a shallow mucky or mucky silt loam surface. Saco soils occur in nearly level floodplains and along rivers and streams which are subject to frequent flooding.

The non-wetland soils within the project area include:

- 21 <u>Ninigret and Tisbury soils</u> (Aquic Dystrudepts) These are deep, moderately well drained, friable, coarse-loamy and loamy textured soils that developed over sandy and gravelly, glacial outwash derived from schist, gneiss and granite. Outwash soils occur in valleys, outwash plains and terraces.
- 29 <u>Agawam fine sandy loam</u> (Typic Dystrudepts) This is a deep, well drained, friable, coarse-loamy textured soil that developed over sandy and gravelly, glacial outwash derived principally from schist, gneiss and granite. Outwash soils occur in valleys, outwash plains and terraces.
- 306 <u>Udorthents-Urban land complex</u> This map unit consists of extensive areas where soils have

been disturbed from land development along with large areas of impervious surfaces associated with streets, parking lots, buildings and other structures.

307 <u>Urban land</u> This map unit consists of land which is mostly covered with streets, parking lots, buildings and other structures. Generally, more than 75% of the map unit consists of impervious surface.

308 <u>Udorthents, smoothed</u> This is a well drained to moderately well drained soil area that has had two or more feet of the original soil surface altered by filling, excavation or grading activities. Udorthents, smoothed soils commonly occur on leveled land and fill landforms.

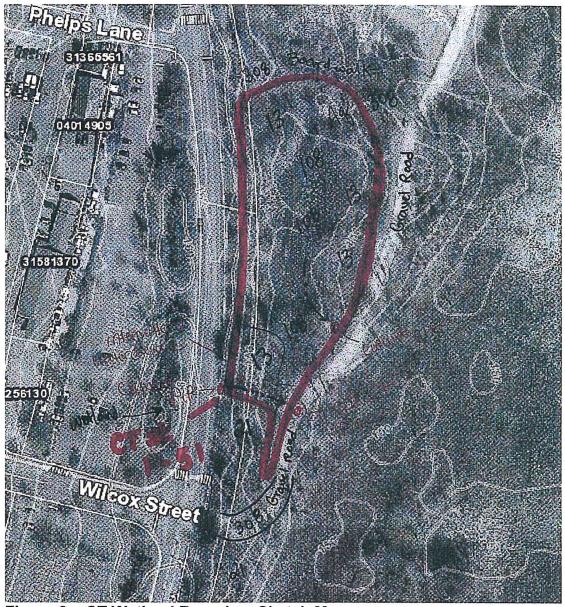


Figure 3 - CT Wetland Boundary Sketch Map

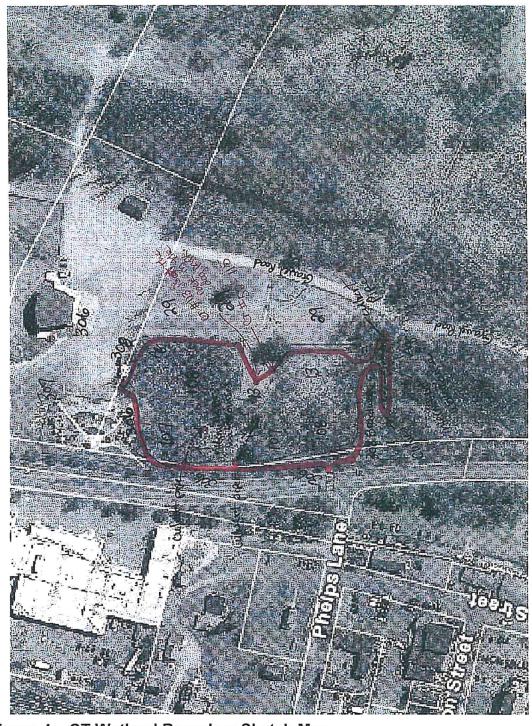


Figure 4 – CT Wetland Boundary Sketch Map

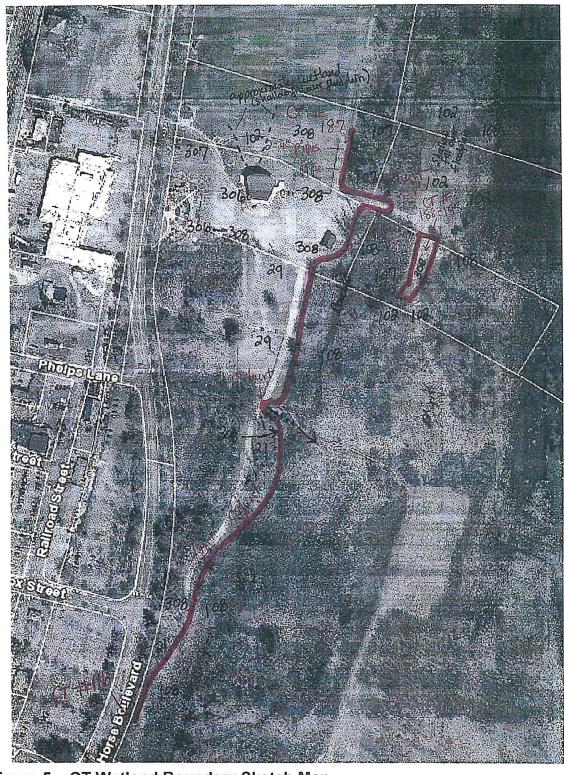


Figure 5 – CT Wetland Boundary Sketch Map



Figure 6 - CT Wetland Boundary Sketch Map

FEDERAL WETLANDS

Federal wetlands were delineated within the project area. The Federal wetland boundary differs from the CT wetland boundary. See Figures 7-9. The Federal wetlands consist of a complex of forested swamp, shrub swamp and shallow marsh communities. Two transects with two Federal Wetland Data Plots each were established. One transect is located within the wooded swamp/shrub swamp/shallow marsh complex north of the dog park (Data Plot 603-W and 603-U). The other transect with two Federal Wetland Data Plots was established within the wooded swamp/shrub swamp/shallow marsh complex east of the existing red garage building (Data Plot 672-

W and 672-U). The approximate location of the transects and data plots are shown in Figure 8 and 9. The information gathered from each data plot was recorded on Federal Wetland Data Sheets. These sheets are included with this report.

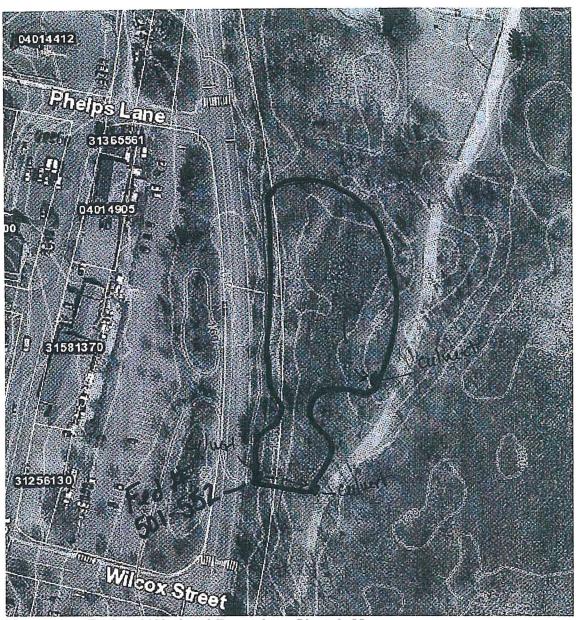


Figure 7 – Federal Wetland Boundary Sketch Map

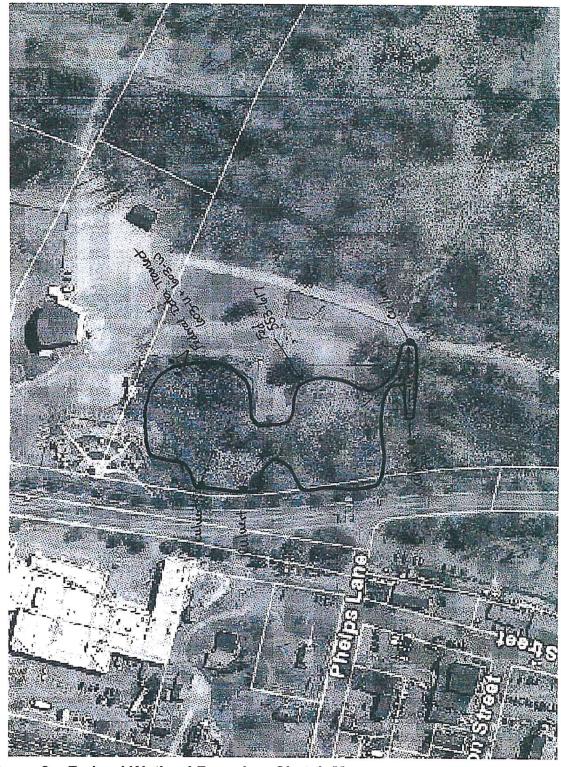


Figure 8 – Federal Wetland Boundary Sketch Map

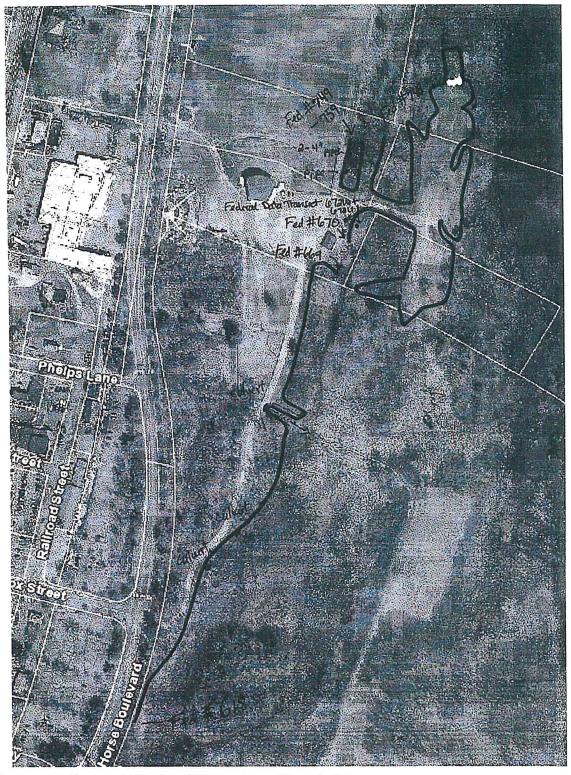


Figure 9 – Federal Wetland Boundary Sketch Map



Federal data transect 603-U and 603-W; north of dog park (4/28/15).



Federal data transect 672-U and 672-W; east of garage (4/28/15).

Respectfully submitted,

SOIL SCIENCE AND ENVIRONMENTAL SERVICES, INC.

Scott D. Stevens

Registered Professional Soil Scientist

Scott D. Stevens

Jennifer L. Beno

Biologist/Wetland Scientist

lemif J Beno

APPENDIX I

REGULATED WATERS AND WETLANDS BY THE STATE OF CT AND FEDERAL GOVERNMENT

I. State of Connecticut

Wetlands and watercourses are regulated in the State of Connecticut by the Connecticut General Statutes, Chapter 440, section 22a-28 to 22a-45. These Statutes are divided into the Inland Wetlands and Watercourses Act (sections 22a-36 to 22a-45) and the Tidal Wetlands Act (sections 22a-28 to 22a-35). Definitions of the resources are provided in the statutes.

Inland Wetlands, "means land, including submerged land, not regulated pursuant to sections 22a-28 to 22a-35, inclusive, which consist of any of the soil types designated as poorly drained, very poorly drained, alluvial, and floodplain by the National Cooperative Soils Survey, as may be amended from time to time, of the Natural Resources Conservation Service of the United States Department of Agriculture" section 22a-38(15).

Watercourses "means rivers, streams, brooks, waterways, lakes, ponds, marshes, swamps, bogs and all other bodies of water, natural or artificial, vernal or intermittent, public or private which are contained within, flow through or border upon this state or any portion thereof, not regulated pursuant to sections 22a-28 to 22a-35, inclusive. Intermittent watercourses shall be delineated by a defined permanent channel and bank and the occurrence of two or more of the following characteristics: (A) Evidence of scour or deposits of alluvium or detritus, (B) the presence of standing or flowing water for a duration longer than a particular storm incident, and (C) the presence of hydrophytic vegetation" section 22a-38(16).

<u>Tidal Wetlands</u> are defined as "those areas which border on or lie beneath tidal waters, such as, but not limited to banks, bogs, salt marsh, swamps, meadows, flats, or other low lands subject to tidal action, including those areas now or formerly connected to tidal waters, and whose surface is at or below an elevation of one foot above local extreme high water; and upon which may grow or be capable of growing some but not necessarily all, of the following:" (includes plant list) section 22a-29(2).

II. Federal Government

The Federal Government regulates waters and wetlands in accordance with the Code of Federal Regulations, Title 33, Parts 320 through 330 (33 CFR parts 320 to 330). Regulated areas include navigable waters; interstate waters; tributaries to navigable and interstate waters, including adjacent wetlands; and certain other waters and wetlands of the U.S. The United States Army Corps of Engineers has been authorized to regulate these waters and wetlands by Section 404 of the Clean Water Act and Section 10 of the Rivers and Harbors Act of 1899. Definitions of wetlands and watercourses that are regulated by the Corps are found in Parts 328 and 329 of the Code. Waters of the United States as defined in Part 328 means, " (1) all waters which are currently used, or were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide; (2) all interstate waters including interstate wetlands; (3) all other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, the use, degradation or destruction of which could affect interstate or foreign commerce; (4) all impoundments of waters otherwise defined as waters of the U.S. under the definition; (5) tributaries of waters indentified in 1 thru 4; (6) territorial seas; and (7) wetlands adjacent to waters that were identified in 1 thru 6. Waters of the United States do not include prior converted cropland" (33 CFR Part 328.3 (a)). Wetlands are a subset of waters of the United States and are defined as "those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas" (33CFR Part 328.3(b)). The 1987 U.S. Corps of Engineers Delineation Manual and the Draft Interim Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region (dated July 2008) provide information and procedures for conducting Federal Wetland delineation. The methodology established by the Federal Government uses a three parameter approach utilizing hydrologic indicators, hydrophytic vegetation and hydric soils for identifying Federal

<u>Navigable waters of the United States</u> as defined in Part 329 mean "those waters that are subject to the ebb and flow of the tide and/or are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce" (33CFR Part 329.2).

Project/Site: SIMSbury Meadows - Iron Horse AND City/County: STMSbury Hortford Sampling Date: 4 28 15
, , , , , , , , , , , , , , , , , , , ,
Applicant/Owner: Town of Streethoury State: CT Sampling Point: LeO3-U
Investigator(s): Scott Stevens + Jern Beno - SSES Section, Township, Range:
Landform (hillslope, terrace, etc.): Classification Local relief (concave, convex, none): Centrale Slope (%): 6-5
Subregion (LRR or MLRA):
Soil Map Unit Name: Aquents NWI classification: NIA
Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturbed?
Are Vegetation, Soil, or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No Is the Sampled Area Hydric Soil Present? Yes No Within a Wetland? Yes No Wetland Hydrology Present? Yes No If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) Approximately 3 feet of fill exists above a buried flood plain Soil.
Approximately 3 tell of till exists
flood plain Soil.
HYDROLOGY
Wetland Hydrology Indicators: Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6)
Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15) Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1)
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2)
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3).
Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Oxidized Rhizospheres on Living Roots (C3) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Thin Muck Surface (C7) Other (Explain in Remarks) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4)
Sediment Deposits (B2) Drift Deposits (B3) Drift Deposits (B3) Saturation Visible on Aerial Imagery (C9) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Thin Muck Surface (C7) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4)
Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Oxidized Rhizospheres on Living Roots (C3) Presence of Reduced Iron (C4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Shallow Aquitand (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No Depth (inches):
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) TAC-Neutral Test (D5) Surface Water Present? Yes No Depth (inches):
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Shallow Aquitard (D3) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) TAC-Neutral Test (D5) FAC-Neutral Test (D5) Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Saturation Present? Yes No Depth (inches):
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitand (D3) Shallow Aquitand (D3) Microtopographic Relief (D4) Shallow Surface (B8) Microtopographic Relief (D4) FAC-Neutral Test (D5) FAC-Neutral Test (D5) Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches):
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Shallow Aquitard (D3) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) TAC-Neutral Test (D5) FAC-Neutral Test (D5) Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Saturation Present? Yes No Depth (inches):
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) Microtopographic Relief (D4) FAC-Neutral Test (D5) Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): No Depth (inches):
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Shallow Aquitard (D3) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) TAC-Neutral Test (D5) FAC-Neutral Test (D5) Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Saturation Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Saturation Present? Yes No Depth (inches):
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) Microtopographic Relief (D4) FAC-Neutral Test (D5) Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): No Depth (inches):
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) Microtopographic Relief (D4) FAC-Neutral Test (D5) Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): No Depth (inches):
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) Microtopographic Relief (D4) FAC-Neutral Test (D5) Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): No Depth (inches):
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) Microtopographic Relief (D4) FAC-Neutral Test (D5) Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): No Depth (inches):
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) Microtopographic Relief (D4) FAC-Neutral Test (D5) Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): No Depth (inches):
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) Microtopographic Relief (D4) FAC-Neutral Test (D5) Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): No Depth (inches):
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) Microtopographic Relief (D4) FAC-Neutral Test (D5) Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): No Depth (inches):
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) Microtopographic Relief (D4) FAC-Neutral Test (D5) Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): No Depth (inches):
Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) Microtopographic Relief (D4) FAC-Neutral Test (D5) Water Table Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): Wetland Hydrology Present? Yes No Depth (inches): No Depth (inches):

VEGETATION – Use scientific names of plants.

Sampling Point: 603-U

	Tree Stratum (Plot size: ±30')	Absolute Dominant Indicator % Cover Species? Status	Dominance Test worksheet:
2 Pinus Strobus 3. Species Across All Strats: 5. Percent of Dominant Species 5. Total Aumber of Dominant Species 6. Percent of Dominant Species 7. Total Scover of Multiply by: 30 / 6 = Total Cover Sapilino/Shnub Stratum (Plot size: ± 15') 1. All nus Secretata 30 Y 061 2. Rocks multiplota 30 N PAU 30 N PAU 4. Loncera total vica 4. Loncera total vica 5. Spirala 4-mentosa 6. Provalence Index worksheet 7. Total Scover of Multiply by: 0 N PAU 4. Loncera total vica 6. N PAU 5. Spirala 4-mentosa 6. Hydrophytic Vegetation Indicators: 1. Rapid Test for Hydrophytic Vegetation 2. Dominance Test is >50% 3. Prevalence Index is \$3.0' 4. Majanthemum Cavadum 3. Province Index is \$3.0' 4. Majanthemum Cavadum 3. Province Index is \$3.0' 4. Morphological Aapations' (Provide supporting data in Remirks or on a separate sheet) Province Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Vegetation Strats: 1. The — Woody plants is sis than 3 in DBH and greater than 0 across the indicators of size, and woody vines greater than 3 28 ft in height. Definitions of Vegetation Present? Woody vines Fatalum (Plot size: ± 30') 1. Majanthemum (P	1 Acar subsum		
3. Species Across All Stratus 5 (8) Percent of Dominant Species That Are OBL_FACW, or FAC: 40 9 (A/B)	Digue Chaber		That Are OBL, FACW, or FAC: (A)
Percent of Dominant Species 10 0 0 0 0 0 0 0 0			
5. That Are OBL, FACW, or FAC. 40 10 (A/B) 6. Provalence Index worksheet: Total % Cover of: Multiply by: OBL species		 	Species Across Ali Strata:(B)
Provalence Index worksheet: Total % Cover of: Multiply by:			
7. 30 6 = Total Cover Sapiling/Shrub Stratum (Plot size: ± 15') 30 Y 06 FACW species X 2 =	5		That Are OBL, FACW, OF FAC (AVB)
Total Scover of: Multiply by:			Prevalence Index worksheet:
SaplinalShrub Stratum (Plot size: ± 15') 1. Almus Sextuation 2. Rocks multitations 3. Problem 10	7		
1. Almus Serculate 2. Reca multiflera 30 Y 601 RACU species x4 = UPL species x5 = Column Totals: (A) (B) 4. Lonicera tatanica (O) N FACU 5. Spiraea totanica (O) N FACU 6. Herb Stratum (Plot size: ±5) 1. Majanthemum Canadense 30 Y FACU 2. Solidago canadense 30 Y FACU 3. Pequilence Index = B/A = Hydrophytic Vegetation Indicators: 1. Rapid Test for Hydrophytic Vegetation Indicators: 2. Dominance Test is >50% 3. Prevalence Index = B/A = Hydrophytic Vegetation Indicators: 1. Rapid Test for Hydrophytic Vegetation (Provide supporting data in Remarks or in a separate sheet) 2. Solidago canadense 30 Y FACU 4. Onocina Sansibilus 5 N FACU 5. Employed to the separate sheet) 5. Employed to the separate sheet) 6. Tree -Woody plants 3 in (7.6 cm) or more in diameter at breast helpti (DPH), regardless of helpti. 7. Tree -Woody plants 3 in (7.6 cm) or more in diameter at breast helpti (DPH), regardless of helpti. 8. Saplingshrub - Woody plants less than 3 in (DBH and greater than or equal to 3.28 ft (1 m) Iall. 10. Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft in height. Woody Vine Stratum (Plot size: ±30') 1. Long - Total Cover Woody Vine Stratum (Plot size: ±30') 2. Total Cover	(1)	3000 = Total Cover	
2 RCCA MUHTIPOTA 3 PMUS Strabus 10 N FACU 4 Lonicera tatarica 5 N FACU 5 Spivaea Admentosa 6 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is 33.0° 1 Majarthemum Conadumle 30 Y FACU 2 Solidago canadumis 3 PACU 4 Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet) 3 Paguitatum arminic 5 N FACU 5 N FACU 6 Definitions of Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is 33.0° 4 Morphological Adaptations' (Provide supporting data in Remarks or on a separate sheet) 9 Problematic Hydrophytic Vegetation' (Explain) 1 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 1 Tree - Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBP), regardless of height. 1 Tree - Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (in pial). 1 Herb - All heribaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft lall. 1 Woody Vine Stratum (Plot size: ±30') 1 Hydrophytic Vegetation Present? 1 Hydrophytic Provides Stratum Value Stratum Prevalence Stratum Value S	Sapling/Shrub Stratum (Plot size: T 15)		
Prevalence Registratum Plot size: ±30 Prevalence Registratum Plot size: ±30 Prevalence Preval	1. Alnus Serrubita	30 Y OBL	
Column Totals:	2. Rosa mujtiflora	30 Y FACU	
Prevalence Index = B/A = Prevalence Index =	3. Pinus Strobus	10 N FACU	
Hydrophytic Vegetation Indicators: 7.	4. Lonicera tatarica	10 N FACU	Column Totals(A)(B)
Hydrophytic Vegetation Indicators: 7.	5. Spiraea tementosa	5 N FAW	Prevalence Index = B/A =
Teach Teac			
Herb Stratum (Plot size: ±5') 30			
Herb Stratum (Plot size: ±5') 1. Maianthemum Cavadense 30 Y FACU 2. Solidago cavadensis 20 Y FACU 4. Once lea Sansibilis 5 N FACU 5. FACU 6.		85 % = Total Cover	
1. Majanthemum Canadinile 30 4 FACU 2. Solidago canadinile 30 7 FACU 4. Daniellum anni NSE 10 N FACU 5. FACU 5. FACU 6. FACU 7. FACU 8. FACU 9. FACU 10. N FACU 11. N FACU 10. N FACU 10. N FACU 11. N FACU 10. N FACU 11. N FACU 11. N FACU 11. N FACU 12. N FACU 11. N FACU 12. N FACU 12. N FACU 12. N FACU 13. N FACU 14. N FACU 14. N FACU 15. N FACU 16. Problematic Hydrophytic Vegetation (Explain) 16. N FACU 16. Problematic Hydrophytic Vegetation Stratas: 17. Tree - Woody plants a in. (7.6 cm) or more in diameter at breast helght (DBH), regardless of hieght. 18. Sapling/shrub - Woody plants less than 3 in, DBH and greater than or equal to 3.28 ft (1 m) tall. 19. Noody vines Fall woody vines greater than 3.28 ft in height. 10. N FACU 10. N FACU 11. N FACU 12. N FACU 12. N FACU 13. N FACU 14. N FACU 15. N FACU 16. Problematic Hydrophytic Vegetation (Explain) 16. N FACU 16. Problematic Hydrophytic Vegetation (Explain) 16. N FACU 16. Problematic Hydrophytic Vegetation (Explain) 16. N FACU 16. Problematic Hydrophytic Vegetation (Present? Ves No Vertical Strates) 16. N FACU 16. N FACU 16. N FACU 16. Problematic Hydrophytic Vegetation (Present? Ves No Vertical Strates) 16. N FACU 16. Problematic Hydrophytic Vegetation (Present? Ves No Vertical Strates) 16. N FACU 16. Problematic Hydrophytic Vegetation (Present? Ves No Vertical Strates) 16. N FACU 16. N F	Herb Stratum (Plot size: ±5)		
2. Solidago candinuis 3. Pauletum argune 100 N FAC 4. Oncolea Sansibilis 5. N FACU be present, unless disturbed or problematic. Definitions of Vegetation Strata: Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast helght (DBH), regardless of height. Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (in height.) 10. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft lall. Woody Vine Stratum (Plot size: ±30′) 1. Woody Vine Stratum (Plot size: ±30′) 1. Hydrophytic Vegetation (Explain) FACU Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. Definitions of Vegetation Strata: Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast helght (DBH), regardless of height. Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (in height.) Woody vines – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes No _/_		30 Y FACU	4 - Morphological Adaptations (Provide supporting
3. Paurietum arwinse 10 N FAC 4. Once lea Sensibilis 5 N FACU 5 N FACU 5 N FACU 6. Definitions of Vegetation Strata: 7. Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. 8. Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. 10. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. 12. Woody Vine Stratum (Plot size: ±30') 1. Woody Vine Stratum (Plot size: ±30') 1. Use 10			
4. Onoclea Sansibilis 5	3 Paricolin arrange	10 N FAC.	
Definitions of Vegetation Strata: Definitions of Vegetation Strata: Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height. Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height. Woody vines – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes No	4 Oscalar Consibilic	5 N FACIL	¹ Indicators of hydric soil and wetland hydrology must
Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast helght (DBH), regardless of height. Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height. Woody Vine Stratum (Plot size:	1		
7		 	Definitions of Vegetation Strata:
Sapling/shrub – Woody plants less than 3 in, DBH and greater than or equal to 3.28 ft (1 m) tall. Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size:			Tree - Woody plants 3 in. (7.6 cm) or more in diameter
9			at breast height (DBH), regardless of height.
Herb — All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: ±30') 1			Sapling/shrub - Woody plants less than 3 in, DBH
11	9		
12	€		
Woody Vine Stratum (Plot size: ±30') height. 1.	11.		
Woody Vine Stratum (Plot size: ±30′) 1.	12.	1.69	
1	+3:1	US 10 = Total Cover	
4	Woody Vine Stratum (Plot size:30)		
4	1		
4	2		
	3		
O = Total Cover	4	-	
Remarks: (Include photo numbers here or on a separate sheet.)		= Total Cover	
	Remarks: (Include photo numbers here or on a separate	sheet.)	
		ž , , , ,	- · · · · ·
	*		

Profile Desc	cription: (Describe	to the dept	h needed to doc	ument the i	ndicator or	confirm	n the absence of indicators.)
Depth	Matrix		Rec	dox Features	<u> </u>		
(inches)	Color (moist)	%	Color (moist)	%	Typė ¹	Loc ²	Texture Remarks
0-26	104R 3/2	<u>. </u>	**				Sandy loam fill
26-26	104R 3/4					•	loarny Sand fill
010 10	1011311						loany sand fill
	- 211	- .		<u>·</u>			
36-40	104R2/1		*				Silt loan - buried A
				(4)			
		 -			·		
					* * *		
			•				
		 .					
¹Type: C=C	oncentration, D=De	pletion, RM=	Reduced Matrix,	MS=Masked	Sand Grain	is.	² Location: PL=Pore Lining, M=Matrix.
	Indicators:		e 19				Indicators for Problematic Hydric Soils ³ :
Histosol	l (A1) pipedon (A2)		Polyvalue Be		(S8) (LRR I	₹,	2 cm Muck (A10) (LRR K, L, MLRA 149B)
	istic (A3)	× (3)	MLRA 149 Thin Dark Su		RR R MI R	Δ 1492	Coast Prairie Redox (A16) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
A CONTRACT OF THE PARTY OF THE	en Sulfide (A4)		Loamy Mucky	Mineral (F1) (LRR K, L	.)	Dark Surface (S7) (LRR K, L)
	d Layers (A5)		Loamy Gleye	d Matrix (F2)		,	Polyvalue Below Surface (S8) (LRR K, L)
	d Below Dark Surface		Depleted Mat				Thin Dark Surface (S9) (LRR K, L)
	ark Surface (A12) Mucky Mineral (S1)	,	Redox Dark S Depleted Dark		7)		Iron-Manganese Masses (F12) (LRR K, L, R)
	Gleyed Matrix (S4)		Redox Depre		<i>(</i>)		Piedmont Floodplain Soils (F19) (MLRA 149B)Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
	Redox (S5)			30.0.10 (1 0)		ē	Red Parent Material (F21)
	Matrix (S6)			v e			Very Shallow Dark Surface (TF12)
Dark Su	rface (S7) (LRR R, I	MLRA 149B)					Other (Explain in Remarks)
3Indicators of	f hydrophytic vegeta	tion and wet	land hydrology m	ust he nrese	nt unless d	leturhad	(or problematic
Restrictive L	Layer (If observed)	:	······································	act be presen	int, utiless u	istuibeu	or problematic.
Type:				* se ¹	÷.		
Depth (inc	ches):		1.			. 1	Hydric Soil Present? Yes No
Remarks:							
	*		(•≤			2.	
	6 8					. 1	
						5 0	
	8		*		6		
				į.			
	i.	2			548	*	
			E =				
					e .		
e				a ** ** ** ** ** ** ** ** ** ** ** ** **	* ; :s: 9	9	
	¥				* , 		
F					, , , , , , , , , , , , , , , , , , ,		

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region City/County: SLMS DEAYL Applicant/Owner: Sampling Point: Investigator(s): Scott Clevens Section, Township, Range: floodplain Local relief (concave, convex, none): Corcave Landform (hillslope, terrace, etc.): Long: - = 72°47 54.62 Subregion (LRR or MLRA): NWI classification: PF01E . P Soil Map Unit Name: Limerick Are climatic / hydrologic conditions on the site typical for this time of year? Yes 1 (If no, explain in Remarks.) Are Vegetation or Hydrology significantly disturbed? 00 Are "Normal Circumstances" present? Yes __ naturally problematic? AD (If needed, explain any answers in Remarks.) Are Vegetation ___ Soil , or Hydrology _ SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. is the Sampled Area Hydrophytic Vegetation Present? within a Wetland? Hydric Soil Present? Wetland Hydrology Present? If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) HYDROLOGY Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) : Dry-Season Water Table (C2) Marl Deposits (B15) Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Geomorphic Position (D2) Recent Iron Reduction in Tilled Soils (C6) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Depth (inches): Water Table Present? Depth (inches): Saturation Present? Depth (inches): _ O No Wetland Hydrology Present? (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

VEGETATION – Use scientific names of plan	VEGE	ETATION	- Use	scientific	names	of	plant
---	------	---------	-------	------------	-------	----	-------

Tree Stratum (Plot size: ±30)	Absolute			Dominance Test worksheet:
1. Acer rubrum	25	Species?	FAC	Number of Dominant Species
2. Pinus Strolous	10	-N	FACU	That Are OBL, FACW, or FAC:(A)
	- 10		<u>raca</u>	Total Number of Dominant
3				Species Across All Strata:(B)
4				Percent of Dominant Species That Are OBL, FACW, or FAC: 100 0 (A/B)
5	 -			That his obe, I how, our ho.
6.				Prevalence Index worksheet:
7			•	Total % Cover of: Multiply by:
-1	35 10	= Total Co	ver	OBL species x1 =
Sapling/Shrub Stratum (Plot size: ±15)				FACW species x 2 =
1. Alnus Serrulata	40	<u> </u>	OBL	FAC species x 3 =
2. Comus amorrism	10	·N	FACU	FACU species x 4 =
3. Sambucuo nigra	_)0	N	FACW	UPL species x 5 = (B) Column Totals: (A) (B)
4. Rosa multiflora	10	N	FACU	Column rotals:(A)(B)
5. Lonicera tatarica	5	2	FACU	Prevalence Index = B/A =
6.				Hydrophytic Vegetation Indicators:
7	9	1		1 - Rapid Test for Hydrophytic Vegetation
	7590	= Total Co	wor.	✓ 2 - Dominance Test is >50%
Herb Stratum (Plot size: ±5')		- Total Ot	,	3 - Prevalence Index is ≤3.0¹
1. Symplocarpus Betidus	10	·v	OBL	4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
2. Carex stricta	10	Ų	087	Problematic Hydrophytic Vegetation¹ (Explain)
		0	OBL	Trootemaso nyaropinyao vegetation (Explain)
	10	· - V	FAC	¹ Indicators of hydric soil and wetland hydrology must
	5	· - Y -		be present, unless disturbed or problematic.
5. Solidago Canadersis		<u>N</u>	FACU	Definitions of Vegetation Strata:
6				Tree - Woody plants 3 in. (7.6 cm) or more in diameter
7	 			at breast height (DBH), regardless of height.
8				Sapling/shrub - Woody plants less than 3 in. DBH
9.				and greater than or equal to 3.28 ft (1 m) tall.
10.				Herb - All herbaceous (non-woody) plants, regardless
11.				of size, and woody plants less than 3.28 ft tall.
12.		·		Woody vines - All woody vines greater than 3.28 ft in
	45 70	= Total Co	ver	height.
Woody Vine Stratum (Plot size: ±30')				
1				* .
2	· .			a
3			* .	Hydrophytic
4		,		Vegetation
	0	= Total Co	ver	Present? Yes V No
Remarks: (Include photo numbers here or on a separate s				
GF.				
	a		*	
			60	2
				**
				Y C

Profile Desc	ription: (Describe t	o the dept	h needed to docume	ent the inc	dicator	or confirm	n the absence of indicators.)
Depth	Matrix			Features			
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	_Loc ²	Texture Remarks
0-3	104R 2/1			· ·	· · ·		Sittloam floodalain
7-26	104R 2/1			- 15			sandyloan
200	TOTK OUT					•	Sur by locar
						<u> </u>	
26-36	104R 4/2						Silto very the sand
l	-						
			,	-			
				ě			
			8 0				
		-					
					×		<u> </u>
¹Type: C=C	oncentration, D≃Dep	letion, RM=	Reduced Matrix, MS	=Masked	Sand Gr	ains.	² Location: PL=Pore Lining, M=Matrix.
Hydric Soil						ş •	Indicators for Problematic Hydric Soils ³ :
Histoso			Polyvalue Below	Surface (S8) (LR	RR,	2 cm Muck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B)				Coast Prairie Redox (A16) (LRR K, L, R)
	listic (A3)	*	Thin Dark Surface				
	en Sulfide (A4)		Loamy Mucky M			(, L)	Dark Surface (S7) (LRR K, L)
	d Layers (A5) d Below Dark Surfac	۵ (Δ11)	Loamy Gleyed N Depleted Matrix				Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L)
	ark Surface (A12)	: .	Redox Dark Surf				Iron-Manganese Masses (F12) (LRR K, L, R)
	Mucky Mineral (S1)		Depleted Dark S		ή.	1 .	Pledmont Floodplain Soils (F19) (MLRA 149B)
	Gleyed Matrix (S4)		Redox Depression	2000	7.		Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
	Redox (S5)			•		32340	Red Parent Material (F21)
Stripped	d Matrix (S6)				2"		Very Shallow Dark Surface (TF12)
Dark Su	urface (S7) (LRR R, I	/ILRA 149E	3)	10			Other (Explain In Remarks)
31	.f	lan and wa	tland hydrology must			مطائد باطائد م	d at the boundle
	Layer (if observed):		tiana nyarology must	be preser	it, unies	s disturbe	ed of problematic.
Type:	Layer (II Observed).			* .			
							Hydric Soil Present? Yes V No
Depth (in	icnes):						Tryunc Son Fiesenci 165 V NO
Remarks:		e e	41				
		10					
			£ **			9	
			-1 -1				
			15' 13'	1		8 .	
		_	+			· ·	T 0-5 % = 18"
		603	J-U	1		~~~	
	ŷ.		× 1	603-W	e.		
1			Fed #1203				
		e	*				
					* *		
1		24	.,	9 00 0			
		· ·	8				
			3				
}			e 7 ;				
1			6 5 56	men.		£	

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region Project/Site: SIMSDAY Meadows - Tron Horse Blw City/County: SIMSDAY Hattford Sampling Date: 4/28/15 Applicant/Owner: Town of Simslauru Sampling Point: 673-Investigator(s): Scott Stewens + Jenn Beno - SSES Section, Township, Range: Landform (hillslope, terrace, etc.): ___ hilbbore Local relief (concave, convex, none): ____Conucx Lat: ±41052 35,49" Long: 1-72 47 500110" Subregion (LRR or MLRA): _ Are climatic / hydrologic conditions on the site typical for this time of year? Yes _ (If no, explain in Remarks.) Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc. Is the Sampled Area Hydrophytic Vegetation Present? within a Wetland? Hydric Soil Present? Wetland Hydrology Present? If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) Approximately 3.5 feet of medium sand above a buried wetland. **HYDROLOGY** Wetland Hydrology Indicators: Secondary Indicators (minimum of two required) Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Saturation (A3) Marl Deposits (B15) Dry-Season Water Table (C2) Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7). _ Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: __ Depth (inches): Surface Water Present? No Depth (inches): Water Table Present? Saturation Present? Depth (inches): Wetland Hydrology Present? Yes (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:

VEGETATION – Use scientific names of plants	V	/EG	ET	MOITA	1 -	Use	scientific	names	of	plants
--	---	-----	----	-------	-----	-----	------------	-------	----	--------

				
Tree Stratum (Plot size: ±30')	Absolute		Indicator	Dominance Test worksheet:
	% Cover	Species?		Number of Dominant Species
1. Acer rubrum	40	4	FAC	That Are OBL, FACW, or FAC:(A)
2. Populus dettoides	40	γ	FAC	
* × ×	. —			Total Number of Dominant
3.	- `			Species Across All Strata: (B)
4				Percent of Dominant Species
5.	e e			Percent of Dominant Species That Are OBL, FACW, or FAC: 2870 (A/B)
6				Prevalence Index worksheet:
7			* -	Total % Cover of: Multiply by:
	80%	= Total Co	WOF	OBL species x1 =
+,-1	00 10	- Total CC	ivei	ODL Species X 1 -
Sapling/Shrub Stratum (Plot size: ±15)	n			FACW species x 2 =
1. Lonicora tatarica	30	Υ .	FACU	
0.5	10	17	FACU	FACU species
2 Rosa muttiflora	10	- 1		UPL species x 5 =
3. Edlagnus umbliate	10	. <u> </u>	FACU	Column Totals: (A) (B)
4. Berberis thunbergii	5	N .	FACIL	Column rotals. (6)
4. Interior Humbergh			1110	Prevalence Index = B/A =
5				
6.				Hydrophytic Vegetation Indicators:
7				1 - Rapid Test for Hydrophytic Vegetation
·	cru			2 - Dominance Test is >50%
I	25 10	= Total Co	over	3 - Prevalence Index is ≤3.0¹
Herb Stratum (Plot size: ±5')		4 8		
1. Solidago caradensis	25	γ	FACU	4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
	- <u>~~</u>	- \		the contract of the contract o
2. Rosa multiplora		<u>N</u>	EACU	Problematic Hydrophytic Vegetation ¹ (Explain)
3. Onnclea sensibilis	5	N	FACU	
	- 1	[4	FAC	Indicators of hydric soil and wetland hydrology must
4. Equiselum aruence		10	- FAC	be present, unless disturbed or problematic.
5				Definitions of Vegetation Strata:
6	The second			
	7.7.			Tree - Woody plants 3 in. (7.6 cm) or more in diameter-
7				at breast height (DBH), regardless of height.
8				Sapling/shrub - Woody plants less than 3 in. DBH
9				and greater than or equal to 3.28 ft (1 m) tall.
10	***		:	
10		· — -	-	Herb.—All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3,28 ft tall.
11				of size, and woody plants less than 5.20 it tall.
12.				Woody vines - All woody vines greater than 3.28 ft in
	409	= Total Co		height.
t-1:	10 10	= Total Co	over	
Woody Vine Stratum (Plot size: -30')	12.			
1. Celastrus orbiculatus	30	Y	UPL	
		-		
2	 			
3		1		Hydrophytic
4				Vegetation
	2090	= Total Co		Present? Yes No V
		= Total Co	over	
Remarks: (Include photo numbers here or on a separate	sheet.)			
	, ,			
	•			
		. 		
×		. H. A.	2. ***	
2 B		189		
			ex Xx	

Sampling	Doint	10	72.	-11
Sampling	Point:	V	.0	V

SOIL

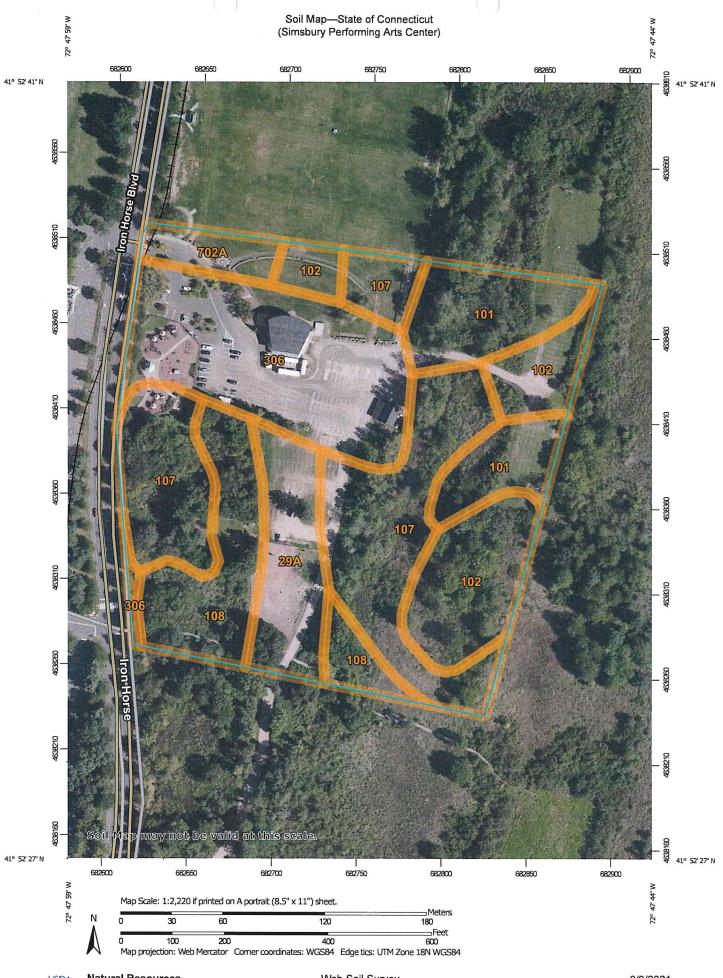
Profile Desc	ription: (Describe to t	he depth need	led to document t	he indicator or co	onfirm (the absence of indicators.)
Depth (inches)	Matrix Color (moist)	% Cok	Redox Feat		oc²	Texture Remarks
()_ U)	104R 5/4	78 COX	<u> </u>			med Sand f: 11
<u>0. 18</u>	10/10/17				— <u>!</u>	mes sand +, 11
42-46	104R3/2					pamy sand - buried A
			-	· · · · · · · · · · · · · · · · · · ·		
					 -	
						
	oncentration, D=Depletion	on, RM=Reduc	ed Matrix, MS=Ma	sked Sand Grains	· · · ·	² Location: PL=Pore Lining, M=Matrix.
Hydric Soll Histosol		, Pc	olyvalue Below Surf	face (SR) (I RR R		Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) (LRR K, L, MLRA 149B)
Histic Ep	oipedon (A2)		MLRA 149B)		2	Coast Prairie Redox (A16) (LRR K, L, R)
	stic (A3) an Sulfide (A4)		in Dark Surface (S amy Mucky Minera			5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Dark Surface (S7) (LRR K, L)
Stratified	d Layers (A5)	Lo	amy Gleyed Matrix			Polyvalue Below Surface (S8) (LRR K, L)
	d Below Dark Surface (A ark Surface (A12)		epleted Matrix (F3) edox Dark Surface	(F6)		Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R)
Sandy M	Nucky Mineral (S1)	De	epleted Dark Surfac	ce (F7)		Pledmont Floodplain Soils (F19) (MLRA 149B)
	Gleyed Matrix (S4) Redox (S5)	Re	edox Depressions (F8)		Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (F21)
	l Matrix (S6) rface (S7) (LRR R, MLF	RA 149B)		20 1		Very Shallow Dark Surface (TF12) Other (Explain in Remarks)
3Indicators of	f hydrophytic vegetation	and wetland h	ydrology must be p	resent, unless dis	turbed (or problematic.
Restrictive I	Layer (If observed):				٠.	
Type:			*		8	Budda Sall Bussanta Van
Depth (inc Remarks:	ches):					Hydric Soil Present? Yes No
Kemarks.					ř.	
	(B)					
			*	ac.		
			¥			
	, .	•				
			+2			
	*		X		2	
	*	٠,				
	*	,				
		*.				

WETL	AND DETERMINA	TION DATA FO	RM - Northcentral	and Northeast	Region	
Project/Site: Simsburg M	leadows - Iron Ho	XSE BIND CITY/O	County: STMS ALVE	Howtford.	Sampling Date:	1 28/15
Applicant/Owner: Town of				State: CT	Sampling Point	672-W
Investigator(s): Stott Stw	ions + John hon	o - SSES section	on Township Range:			
Landform (hillslope, terrace, etc.				nois Concassa	, Slong /	%). 25
		tu. 0 - local rei	5" Long: ±-	TO UT	Stope (70)
Subregion (LRR or MLRA):						
Soil Map Unit Name:		2m	, ,		ation: PFOJE; f	-227E, LA
Are climatic / hydrologic condition						
Are Vegetation, Soil	, or Hydrology	significantly distu	rbed? no Are "Norma	l Circumstances" p	resent? Yes V	_ No
Are Vegetation, Soil	, or Hydrology	naturally problem	atic? Ao (If needed,	explain any answer	s in Remarks.)	*
SUMMARY OF FINDING	S – Attach site m	ap showing san	npling point location	ons, transects,	important feat	ures, etc.
			Is the Sampled Area			
Hydrophytic Vegetation Prese		_ No	within a Wetland?	Yes	No	
Hydric Soil Present?	Yes V	No No				
Wetland Hydrology Present? Remarks: (Explain alternative			If yes, optional Wetlan	d Site ID.	– – – – – – – – – – – – – – – – – – – 	
Remarks. (Explain alternative	procedures here or in a	a separate report.)		9		
	9.		r 002		and the second of the second o	
		* * .		9		
		341	v v			
		·				
HYDROLOGY						
Wetland Hydrology Indicato				Control of the Administration of the Control of the	Constant (BS)	o required)
Primary Indicators (minimum		A 2, MIN N	(DO)	Surface Soil Drainage Pa		
Surface Water (A1)		Water-Stained Leav Aquatic Fauna (B13		Drainage Pa	Address of the Control of the Contro	
High Water Table (A2) Saturation (A3)		Marl Deposits (B15)		The same of the sa	Water Table (C2)	
Water Marks (B1)	9 5 50 9 5 50	Hydrogen Sulfide O		Crayfish Bur		
Sediment Deposits (B2)	· · ·		res on Living Roots (C3)	4 4 4	sible on Aerial Imag	ery (C9)
Drift Deposits (B3)		Presence of Reduce			tressed Plants (D1)	
Algal Mat or Crust (B4)		Recent Iron Reducti	on in Tilled Soils (C6)		Position (D2)	
Iron Deposits (B5)		Thin Muck Surface (, 0.00	Shallow Aqui		
Inundation Visible on Aer		Other (Explain in Re	marks)		phic Relief (D4)	
Sparsely Vegetated Cond	cave Surface (B8)	· · · · · · · · · · · · · · · · · · ·		FAC-Neutral	Test (D5)	
Field Observations:	v 1/					
Surface Water Present?	Yes No	Depth (inches):	0			, s
Water Table Present?	Yes V No	Depth (inches):		Hydrology Presen	12 Van 1	uo.
Saturation Present? (includes capillary fringe)	Yes V No	Depth (inches):	veuand	nyaralogy riesen	t? Yes V	40
Describe Recorded Data (stre	am gauge, monitoring v	vell, aerial photos, pr	evious inspections), if av	ailable:		1 2 E
*	,		(H _{int})			
Remarks:			·	,	 	
, contained						
	*			8		
	76	Ø.	9			
	* .		T			
	* 5	* is	* 3			
			g #	ē a	1 ()	
			* * * * * * * * * * * * * * * * * * *	8 8		
		30 E	* · · · · · · · · · · · · · · · · · · ·	9		.
				*		
t						

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: ±30')	Absolute % Cover	Dominant Species?		Dominance Test worksheet:
1. Acer rubrum	50	A Sheries:	FAC	Number of Dominant Species That Are OBL, FACW or FAC: (A)
	-	_N	4.	That Are OBL, FACW, or FAC:(0(A)
2. POPINIAL ALMONAUS	10	<u>~~</u>	FAC	Total Number of Dominant 7
3	·			Species Across All Strata: (B)
4				Percent of Dominant Species That Are OBL FACW or FAC:
5	. — —			That Are OBL, FACW, or FAC: 80 10 (A/B)
6				Prevalence index worksheet:
7		.*		Total % Cover of: Multiply by:
	(00 %	= Total Co	ver	OBL species x 1 =
Sapling/Shrub Stratum (Plot size: ±15)	(E)			FACW species x 2 =
1. Alnus serrulata	25	Y	OBL	FAC species x3 =
2. Acer rubrum	10	Y	FAC	FACU species x4 =
3. Cornus amorrum	5	N	FACW	UPL species x 5 =
4. Soiraea tomentasa	5	2	FACW	Column Totals: (A) (B)
5. Rosa mujtiflora	5	N	FACU	Prevalence Index = B/A =
		· ——	111001	Hydrophytic Vegetation Indicators:
				1 - Rapid Test for Hydrophytic Vegetation
7	50290	= Total Co		✓ 2 - Dominance Test is >50%
Herb Stratum (Plot size: ±5')	30 10	= Total Co	ver	3 - Prevalence Index is ≤3.0¹
1. Covex Stricta	25	. Y	081	4 - Morphological Adaptations (Provide supporting
2. Oppolea Severibilis	10	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	FACE	data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain)
	10	- - 3		Problemade Hydrophydic Vegetation (Explain)
3. Symplocarpus foetidus	- 10		OBL	Indicators of hydric soil and wetland hydrology must
4. Equisation arvense		. <u>h</u>	FAC	be present, unless disturbed or problematic.
5		· ,		Definitions of Vegetation Strata:
6	- 1			Tree - Woody plants 3 in. (7.6 cm) or more in diameter
7				at breast height (DBH), regardless of height.
8			, 	Sapling/shrub - Woody plants less than 3 in. DBH
9		·		and greater than or equal to 3.28 ft (1 m) tall.
10.	•		·	Herb - All herbaceous (non-woody) plants, regardless
11				of size, and woody plants less than 3.28 ft tall.
12				Woody vines - All woody vines greater than 3.28 ft in
	50%	= Total Co	ver	height.
Woody Vine Stratum (Plot size: ± 30')			. 1	
1. Colastrus orbiculatus	10	4	UPL	
2.				
3.	1 1			Hydrophytic
4	-			Vegetation
	1090	= Total Cov		Present? Yes V No
Remarks: (Include photo numbers here or on a separate s		- Total:Co	761	
			•	
, ,				
* .		e v :		
		pt		
		*		
	* * *			
	· · ·	(A) N (A)		

Profile Desc	ription: (Describe to	the depth ne	eded to docun	ent the inc	dicator o	r confirm	the absence of indicators.)
Depth	Matrix			(Features			
(inches)	Color (moist)	<u>%</u> C	olor (moist)	%	Type'	Loc²	Texture Remarks
0-24	104R311						Sandy loam floodplain
		<i>i</i> .		_			
24-36	104R4/1					· ·	Sandy loam floodplain
					 -		
						 .	
				 -			
			6				
				 -			
				 -			
¹ Type: C=C	oncentration, D=Deple	etion, RM=Red	luced Matrix, M	S=Masked	Sand Gra	ins.	² Location: PL=Pore Lining, M=Matrix.
	Indicators:		بعسوال سندو توسيقي				Indicators for Problematic Hydric Solls ³ :
Histoso			Polyvalue Belo	The second secon	S8) (LRR	R,	2 cm Muck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2) listic (A3)		MLRA 149B Thin Dark Surfa	5	RRR MI	RA 149B	Coast Prairie Redox (A16) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		Loamy Mucky				Dark Surface (S7) (LRR K, L)
Stratifie	d Layers (A5)		Loamy Gleyed	Matrix (F2)			Polyvalue Below Surface (S8) (LRR K, L)
	d Below Dark Surface	(A11)	Depleted Matri	80 0		•	Thin Dark Surface (S9) (LRR K, L)
	ark Surface (A12) Mucky Mineral (S1)		Redox Dark St. Depleted Dark		7)··		 Iron-Manganese Masses (F12) (LRR K, L, R) Pledmont Floodplain Solls (F19) (MLRA 149B)
	Gleyed Matrix (S4)		Redox Depress		, ,		Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
	Redox (S5)	, .	,	35		100	Red Parent Material (F21)
	d Matrix (S6)		146	*			Very Shallow Dark Surface (TF12)
Dark St	urface (S7) (LRR R, M	LRA 149B)	•	*		19.79	Other (Explain in Remarks)
3Indicators	of hydrophytic vegetati	on and wetlan	d hydrology mu	st be preser	nt, unless	disturbed	d or problematic.
	Layer (if observed):						
Type:							
Depth (in	iches):		_	26			Hydric Soll Present? Yes No
Remarks:	le:				······································		
		41					
			×		7		
			**		- 2		
			, W				
		670	Fed # le72	8			
	ř.	1	Fed # a		-		
			1	12-17)	T 25'	70	
			1 "		±3		
		-					
		ż	4' 'ta' '				
	3		1 0		. *		, jariti og tyra et sækk
		* 4	*		* *		
						4	
	v.						
		•					
1				W.			5 # 0 T 5 T



MAP LEGEND

MAP INFO

Area of Interest (AOI)

Area of Interest (AOI)

Spoil Area Stony Spot

Soils

Soil Map Unit Polygons

Soil Map Unit Lines

Soil Map Unit Points

Very Stony Spot

Ŵ

Wet Spot Other

Δ

Special Line Features

Special Point Features

Blowout (0)

Borrow Pit

Clay Spot 凝

Closed Depression

Gravel Pit X

Gravelly Spot 00 Landfill

0 ٨

0

Lava Flow

عله

Marsh or swamp

爱

Mine or Quarry

0

Miscellaneous Water

Perennial Water

Rock Outcrop

Saline Spot

Sandy Spot

Severely Eroded Spot

Sinkhole

Slide or Slip Sodic Spot

Water Features

Streams and Canals

Transportation

Rails

Interstate Highways

US Routes

Major Roads

Local Roads

Background

Aerial Photography

The soil surveys that comprise you 1:12,000.

Warning: Soil Map may not be vali

Enlargement of maps beyond the : misunderstanding of the detail of n line placement. The maps do not s contrasting soils that could have be scale.

Please rely on the bar scale on ea measurements.

Source of Map: Natural Resource Web Soil Survey URL:

Coordinate System: Web Mercat

Maps from the Web Soil Survey ar projection, which preserves direction distance and area. A projection the Albers equal-area conic projection accurate calculations of distance o

This product is generated from the of the version date(s) listed below.

Soil Survey Area: State of Conne Survey Area Data: Version 20, Ju

Soil map units are labeled (as spa-1:50,000 or larger.

Date(s) aerial images were photog 24, 2019

The orthophoto or other base map compiled and digitized probably dif imagery displayed on these maps. shifting of map unit boundaries ma

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
29A	Agawam fine sandy loam, 0 to 3 percent slopes	1.4	8.7%
101	Occum fine sandy loam	1.9	12.5%
102	Pootatuck fine sandy loam	2.3	14.6%
107	Limerick and Lim soils	4.2	27.0%
108	Saco silt loam	1.9	12.5%
306	Udorthents-Urban land complex	3.4	21.7%
702A	Tisbury silt loam, 0 to 3 percent slopes	0.5	3.1%
Totals for Area of Interest		15.6	100.0%

