

Wetland C-R-AY-49 View facing west



Wetland C-R-AY-49 Soils

Segment 4 and 5 – Package 3

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Moreau / Saratoga Sampling Date: 11/24/21
Applicant/Owner: TDI	State: NY Sampling Point: UPL
Investigator(s): J. Greaves, C. Scrivner	Section, Township, Range:
Landform (hillside, terrace, etc.): Hillslope Local	I relief (concave, convex, none): Concave Slope %: 40
Subregion (LRR or MLRA): LRR R Lat: 43-12-56.37N	Long: 73-37-36.55W Datum: WGS 84
Soil Map Unit Name: Wa - Wareham loamy sand	NWI classification: NA
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	rbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problems	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing same	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes No X
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
Successional Old Field. Upland for C-R-AY-47 and C-R-AY-49.	
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 (· /
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	· · · · · · · · · · · · · · · · · · ·
Sediment Deposits (B2) Oxidized Rhizospheres	
Drift Deposits (B3) Presence of Reduced Ir	· · · · · · · · · · · · · · · · · · ·
Algal Mat or Crust (B4) — Recent Iron Reduction i Thin Music Curfo as (CC)	
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7) Other (Explain in Remains)	
Sparsely Vegetated Concave Surface (B8)	rks) Microtopographic Relief (D4) FAC-Neutral Test (D5)
	PAC-Neutral Test (D3)
Field Observations:	
Surface Water Present? Yes No X Depth (inches) Water Table Present? Yes No X Depth (inches)	
Water Table Present? Yes No _X Depth (inches) Saturation Present? Yes No _X Depth (inches)	
(includes capillary fringe)	Noticinal Hydrology (1656).
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	I evious inspections), if available:
Remarks:	

VEGETATION – Use scientific names of plants. Sampling Point: UPL

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
Fraxinus pennsylvanica	10	Yes	FACW	Number of Deminant Consis		
2. Quercus alba	5	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)		
3.				Total Number of Dominant		
4.		· · · · · · · · · · · · · · · · · · ·		Species Across All Strata: 4 (B)		
5.				Descent of Deminent Chasins		
6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)		
7				Prevalence Index worksheet:		
	15	=Total Cover		Total % Cover of: Multiply by:		
Sapling/Shrub Stratum (Plot size:15')				OBL species 0 x 1 = 0		
1. Lonicera morrowii	5	Yes	FACU	FACW species 10 x 2 = 20		
2				FAC species 80 x 3 = 240		
3				FACU species 20 x 4 = 80		
4.				UPL species10 x 5 =50		
5				Column Totals: 120 (A) 390 (B)		
6				Prevalence Index = B/A = 3.25		
7.				Hydrophytic Vegetation Indicators:		
	5	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%		
1. Setaria pumila	80	Yes	FAC	3 - Prevalence Index is ≤3.0 ¹		
2. Alliaria petiolata	5	No	FACU	4 - Morphological Adaptations (Provide supporting		
3. Rubia peregrina	5	No	UPL	data in Remarks or on a separate sheet)		
4. Daucus carota	5	No	UPL	Problematic Hydrophytic Vegetation ¹ (Explain)		
5. Lotus corniculatus	5	No	FACU	- Indicators of hydric soil and wetland hydrology must be		
6.				present, unless disturbed or problematic.		
7.				Definitions of Vegetation Strata:		
8.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter		
9				at breast height (DBH), regardless of height.		
10				Sapling/shrub – Woody plants less than 3 in. DBH		
11				and greater than or equal to 3.28 ft (1 m) tall.		
12				Herb – All herbaceous (non-woody) plants, regardless		
	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.		
Woody Vine Stratum (Plot size:30')				Woody vines – All woody vines greater than 3.28 ft in		
1				height.		
2.						
3				Hydrophytic Vegetation		
4				Present? Yes No X		
		=Total Cover				
Remarks: (Include photo numbers here or on a separ	ate sheet.)			•		

SOIL Sampling Point: UPL

Profile Desc Depth	cription: (Describe to Matrix	the de		ment the x Featur		tor or co	nfirm the absence of	indicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-14	10YR 2/1	65	10YR 5/3	20	С	М	Mucky Loam/Clay		
			10YR 5/8	15	С	М		Prominent redox concentrations	
1T			A. Dankuran I Matrice N				21	N. Dana Linina M. Matrix	
Hydric Soil	oncentration, D=Deple	etion, KI	/I=Reduced Matrix, IV	15=IVIask	ked Sand	Grains.		PL=Pore Lining, M=Matrix. or Problematic Hydric Soils ³ :	
Histosol			Polyvalue Belo	w Surfac	ce (S8) (I	LRR R,		uck (A10) (LRR K, L, MLRA 149B)	
	pipedon (A2)		MLRA 149B					rairie Redox (A16) (LRR K, L, R)	
Black Hi	stic (A3)		Thin Dark Surf	ace (S9)	(LRR R	, MLRA 1	1 49B) 5 cm Mu	ucky Peat or Peat (S3) (LRR K, L, R)	
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	311) (LRF	R K, L)	Polyvalu	ue Below Surface (S8) (LRR K, L)	
Stratified	d Layers (A5)		Loamy Mucky	Mineral ((F1) (LRI	R K, L)	Thin Da	rk Surface (S9) (LRR K, L)	
	d Below Dark Surface	(A11)	Loamy Gleyed					nganese Masses (F12) (LRR K, L, R)	
	ark Surface (A12)	` ,	Depleted Matri		,			nt Floodplain Soils (F19) (MLRA 149B)	
	lucky Mineral (S1)		X Redox Dark Su		6)			podic (TA6) (MLRA 144A, 145, 149B)	
	Sleyed Matrix (S4)		Depleted Dark				Red Parent Material (F21)		
	edox (S5)		Redox Depres					allow Dark Surface (F22)	
	Matrix (S6)		Marl (F10) (LR	,	- /			Explain in Remarks)	
	rface (S7)			, ,				,	
	,								
	f hydrophytic vegetation	on and v	vetland hydrology mu	st be pre	esent, un	less dist	urbed or problematic.		
Type:	Layer (if observed): Roc	k							
Depth (in		14					Hydric Soil Prese	nt? Yes X No	
Remarks:							1.,	<u> </u>	
rtomanto.									



Upland C-R-AY-47 and C-R-AY-49 View facing northeast



Upland C-R-AY-47 and C-R-AY-49 Soils

Segment 4 and 5 – Package 3

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: CHPE	City/County: Moreau / Saratoga Sampling Date: 11/29/21
Applicant/Owner: TDI	State: NY Sampling Point: WET C-R-AX-1
Investigator(s): C. Scrivner, K. Weiskotten	Section, Township, Range:
-	relief (concave, convex, none): Concave Slope %: 5
Subregion (LRR or MLRA): LRR R Lat: 43-12-30.81N	Long: 73-38-9.34W Datum: WGS 84
Soil Map Unit Name: RhA - Rhinebeck silt loam	NWI classification: PSS1
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturb	
Are Vegetation , Soil , or Hydrology naturally problema	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID: Near Flag C-R-AX-1
Palustrine Scrubshrub 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) X Water-Stained Leaves (E	
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3)Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C	
Sediment Deposits (B2) Oxidized Rhizospheres o	
Drift Deposits (B3) Presence of Reduced Iro	
Algal Mat or Crust (B4)Recent Iron Reduction in	· · · · · · · · · · · · · · · · · · ·
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) X Other (Explain in Remark	<u> </u>
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No _X Depth (inches):	
Water Table Present? Yes X No Depth (inches):	
Saturation Present? Yes X No Depth (inches):	0 Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	vious inspections), if available:
Remarks: Directly adjacent to stream C-R-S-JJ.	

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
 Fraxinus pennsylvanica 	25	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC:5(A)			
3. 4.		·		Total Number of Dominant Species Across All Strata:5(B)			
5.6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)			
7				Prevalence Index worksheet:			
	25	=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size:)				OBL species 0 x 1 = 0			
1. Cornus amomum	35	Yes	FACW	FACW species 110 x 2 = 220			
2. Cornus racemosa	30	Yes	FAC	FAC species 30 x 3 = 90			
3. Fraxinus pennsylvanica	20	Yes	FACW	FACU species 20 x 4 = 80			
4. Lonicera morrowii	15	No	FACU	UPL species 0 x 5 = 0			
5.				Column Totals: 160 (A) 390 (B)			
6.				Prevalence Index = B/A = 2.44			
7				Hydrophytic Vegetation Indicators:			
	100	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%			
1. Lysimachia nummularia	25	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹			
2. Solidago gigantea	5	No	FACW	4 - Morphological Adaptations ¹ (Provide supporting			
3. Lonicera morrowii	3	No	FACU	data in Remarks or on a separate sheet)			
4. Geranium maculatum	2	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)			
5.				¹ Indicators of hydric soil and wetland hydrology must be			
6				present, unless disturbed or problematic.			
7				Definitions of Vegetation Strata:			
8 9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.			
10				Sapling/shrub – Woody plants less than 3 in. DBH			
11				and greater than or equal to 3.28 ft (1 m) tall.			
12				Herb – All herbaceous (non-woody) plants, regardless			
Moody Vine Stratum (Diet size) 201	35	=Total Cover		of size, and woody plants less than 3.28 ft tall.			
Woody Vine Stratum (Plot size:) 1.				Woody vines – All woody vines greater than 3.28 ft in height.			
2.				g.m			
2				Hydrophytic			
4.				Vegetation Present? Yes X No			
·		=Total Cover		· · · · · · · · · · · · · · · · · · ·			
Remarks: (Include photo numbers here or on a separa	ata shaat)	•					
Tremarks. (morade prioto humbers here of on a separa	ato sricet.)						

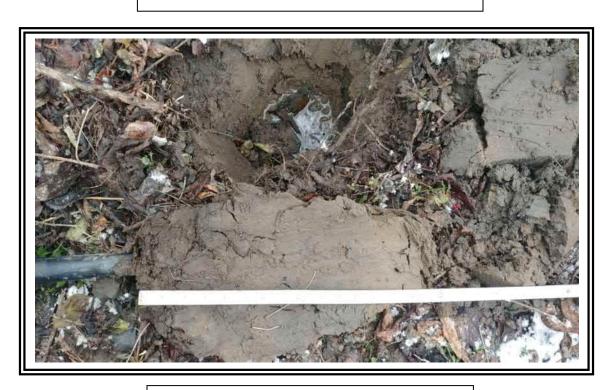
Sampling Point: WET C-R-AX-1

SOIL Sampling Point: WET C-R-AX-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)										
Depth										
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks		
0-4	10YR 2/1	95	10YR 4/3	5	<u>C</u>	<u>M</u>	Sandy	Distinct redox concentrations		
4-11	5Y 3/1	65	7.5YR 4/6	20	<u>C</u>	M	Sandy	Prominent redox concentrations		
			10YR 5/4	15	<u>C</u>	M		Prominent redox concentrations		
11-17	2.5Y 4/1	55	7.5YR 4/6	15	<u>C</u>	M	Sandy	Prominent redox concentrations		
			10YR 5/3	30	С	M		Distinct redox concentrations		
¹ Type: C=Co	oncentration, D=Deple	etion, RM	=Reduced Matrix, M	S=Mask	ed Sand	Grains.	² Location: PL	_=Pore Lining, M=Matrix.		
Hydric Soil I			,					or Problematic Hydric Soils ³ :		
Histosol	(A1)		Polyvalue Belov	w Surfac	ce (S8) (L	RR R,	2 cm Mud	ck (A10) (LRR K, L, MLRA 149B)		
Histic Ep	ipedon (A2)		MLRA 149B))			? Coast Pra	? Coast Prairie Redox (A16) (LRR K, L, R)		
Black His			? Thin Dark Surfa							
	n Sulfide (A4)		High Chroma S				Polyvalue Below Surface (S8) (LRR K, L)			
	Layers (A5)	(8.4.4)	Loamy Mucky N			R K, L)	Thin Dark Surface (S9) (LRR K, L)			
	Below Dark Surface	(A11)	Loamy Gleyed		-2)		Iron-Manganese Masses (F12) (LRR K, L, R)			
	rk Surface (A12) ucky Mineral (S1)		Depleted Matrix Redox Dark Su		·6)		Piedmont Floodplain Soils (F19) (MLRA 149B)			
	leyed Matrix (S4)		Depleted Dark				Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (F21)			
X Sandy R			Redox Depress				Very Shallow Dark Surface (F22)			
? Stripped			Marl (F10) (LRI		-,		Other (Explain in Remarks)			
X Dark Sur										
³ Indicators of	hydrophytic vegetati	on and w	etland hydrology mus	st be pre	sent, unl	ess distu	rbed or problematic.			
	.ayer (if observed):									
Type:										
Depth (in	nches):						Hydric Soil Present? Yes X No			
Remarks:										



Wetland C-R-AX-1 View facing north



Wetland C-R-AX-1 Soils

Segment 4 and 5 – Package 3

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: CHPE	City/County: Moreau / Saratoga Sampling Date: 11/29/21
Applicant/Owner: TDI	State: NY Sampling Point: UPLC-R-AX-1
Investigator(s): C. Scrivner, K. Weiskotten	Section, Township, Range:
	ocal relief (concave, convex, none): Convex Slope %: 3
Subregion (LRR or MLRA): LRR R Lat: 43-12-30.67N	
Soil Map Unit Name: RhA - Rhinebeck silt loam	NWI classification: NA
Are climatic / hydrologic conditions on the site typical for this time of year	
Are Vegetation, Soil, or Hydrologysignificantly di	
Are Vegetation, Soil, or Hydrologynaturally probl	
SUMMARY OF FINDINGS – Attach site map showing s	sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydric Soil Present? Yes No X	within a Wetland? Yes No _X
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
Successional Old Field.	
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 Leave	res (B9) Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	· · · · · · · · · · · · · · · · · · ·
Saturation (A3)Marl Deposits (B15)	
Water Marks (B1) Hydrogen Sulfide Oc	
-	res on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduce	<u> </u>
Algal Mat or Crust (B4)Recent Iron Reduction Iron Deposits (B5) Thin Muck Surface (in	on in Tilled Soils (C6) Geomorphic Position (D2) (C7) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Re	· · · · · · · · · · · · · · · · · · ·
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No _X Depth (inch	nac).
	nes):
Saturation Present? Yes No X Depth (inch	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos,	, previous inspections), if available:
Remarks:	

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
A. Dhua tumbina	10	-	UPL	Dominance rest worksneet.			
2.	10	<u>Yes</u>	UPL	Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)	,		
		· ——		That Ale OBE, I AOW, OIT AO.	'		
1		· ——		Total Number of Dominant Species Across All Strata: 4 (B)	,		
5		· ——		opodes / toloss / till ottata.	<u> </u>		
-	•			Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A.	/B)		
7.				Prevalence Index worksheet:			
	10	=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size: 15')		-		OBL species 0 x 1 = 0			
	5	Yes	FACU	FACW species 10 x 2 = 20			
2.				FAC species 0 x 3 = 0			
3.				FACU species 90 x 4 = 360			
Λ				UPL species 15 x 5 = 75			
5.					(B)		
6.				Prevalence Index = B/A = 3.96			
7.		<u> </u>		Hydrophytic Vegetation Indicators:	-		
	5	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 5')		•		2 - Dominance Test is >50%			
1. Solidago canadensis	40	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹			
Alliaria petiolata	30	Yes	FACU	4 - Morphological Adaptations ¹ (Provide suppor	ting		
Schedonorus pratensis	10	No	FACU	data in Remarks or on a separate sheet)			
4. Bidens frondosa	10	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)			
5. Lotus corniculatus	5	No	FACU	· -			
6. Daucus carota	5	No	UPL	 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 			
7.		·		Definitions of Vegetation Strata:			
8.		·					
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diame at breast height (DBH), regardless of height.	eter		
10.							
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.			
12.							
	100	=Total Cover		Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall.	SS		
Woody Vine Stratum (Plot size: 30')				Washing Allowed wines prosted the 2 20 ft			
1.				Woody vines – All woody vines greater than 3.28 ft height.	in		
2.				-			
3.				Hydrophytic			
4.				Vegetation Present? Yes No X			
		=Total Cover					
Remarks: (Include photo numbers here or on a separa	ate sheet.)				\dashv		
	,						

Sampling Point: UPL C-R-AX-1

SOIL Sampling Point: UPL C-R-AX-1

		the dep				or or co	nfirm the absence of indica	tors.)
Depth	Matrix			x Featur		. 2		
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-3	10YR 3/2	100					Loamy/Clayey	
3-11	10YR 5/3	100					Mucky Loam/Clay	
1Type: C-Cer		tion DM	=Reduced Matrix, M	C Mook	od Sond	Croino	² Location: PL=Pore	Lining M-Motrix
Hydric Soil In		tion, Kivi	=Reduced Matrix, M	S=IVIASK	eu Sanu i	Grains.		blematic Hydric Soils ³ :
Histosol (/			Polyvalue Belo	w Surfac	ce (S8) (L	.RR R.		0) (LRR K, L, MLRA 149B)
	pedon (A2)		MLRA 149B		(/(,		ledox (A16) (LRR K, L, R)
Black Hist			Thin Dark Surfa	ace (S9)	(LRR R,	MLRA 1		eat or Peat (S3) (LRR K, L, R)
Hydrogen	Sulfide (A4)		High Chroma S	Sands (S	11) (LRR	K, L)	Polyvalue Belo	w Surface (S8) (LRR K, L)
Stratified I	_ayers (A5)		Loamy Mucky I	Mineral (F1) (LRR	R K, L)	Thin Dark Surfa	ace (S9) (LRR K, L)
Depleted	Below Dark Surface	(A11)	Loamy Gleyed	Matrix (F	- 2)		Iron-Manganes	e Masses (F12) (LRR K, L, R)
Thick Dar	k Surface (A12)		Depleted Matrix	x (F3)			Piedmont Floor	dplain Soils (F19) (MLRA 149B)
Sandy Mu	cky Mineral (S1)		Redox Dark Su	ırface (F	6)		Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
Sandy Gle	eyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent Ma	terial (F21)
Sandy Re	dox (S5)		Redox Depress	sions (F8	3)		Very Shallow D	ark Surface (F22)
Stripped N	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explain	in Remarks)
Dark Surfa	ace (S7)							
³ Indicators of h	nydrophytic vegetatio	on and we	etland hydrology mus	st be pre	sent, unle	ess distu	rbed or problematic.	
	yer (if observed):							
Type:	Rock/G	ravel						
Depth (inc	hes):	11					Hydric Soil Present?	Yes No _X
Remarks:								



Upland C-R-AX-1 View facing northeast



Upland C-R-AX-1 Soils

Segment 4 and 5 – Package 3

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: CHPE	City/County: Moreau / Saratoga Sampling Date: 11/29/21
Applicant/Owner: TDI	State: NY Sampling Point: WET C-R-AX-6
Investigator(s): C. Scrivner, K. Weiskotten	Section, Township, Range:
Landform (hillside, terrace, etc.): Depression/ditch Local re	relief (concave, convex, none): Concave Slope %: 3
Subregion (LRR or MLRA): LRR R Lat: 43-12-33.38N	Long: 73-38-5.84W Datum: WGS 84
Soil Map Unit Name: RhA - Rhinebeck silt loam	NWI classification: PEM1
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturb	ped? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problemat	
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID: Near Flag C-R-AX-6
Remarks: (Explain alternative procedures here or in a separate report.) Palustrine Emergent Marsh dominated by cattail.	
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)
X Surface Water (A1) X Water-Stained Leaves (B	
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (C	
Sediment Deposits (B2) Oxidized Rhizospheres o	
Drift Deposits (B3) Presence of Reduced Iron	<u> </u>
Algal Mat or Crust (B4) Recent Iron Reduction in Iron Deposits (B5) Thin Muck Surface (C7)	Tilled Soils (C6) X Geomorphic Position (D2) Shallow Aquitard (D3)
X Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
	A PAO Neutral Test (D3)
Field Observations:	
Surface Water Present? Yes X No Depth (inches): Water Table Present? Yes X No Depth (inches):	
Saturation Present? Yes X No Depth (inches): Output Depth (inches): Depth (inches):	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	vious inspections), if available:
20001100 1.0001.000 2.000 (0.11001.000)	1000 110p25.13.15), 3.13.132.1.
Remarks:	
Nonano.	

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1 2				Number of Dominant Species That Are OBL, FACW, or FAC:(A)			
3. 4.		·		Total Number of Dominant Species Across All Strata:(B)			
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)			
7				Prevalence Index worksheet:			
		=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size:)				OBL species60 x 1 =60			
1		<u> </u>		FACW species 40 x 2 = 80			
2.				FAC species0 x 3 =0			
3				FACU species 0 x 4 = 0			
4				UPL species 0 x 5 = 0			
5				Column Totals: 100 (A) 140 (B)			
6.				Prevalence Index = B/A =1.40			
7.				Hydrophytic Vegetation Indicators:			
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size:5')				X 2 - Dominance Test is >50%			
1. Typha latifolia	45	Yes	OBL	X_3 - Prevalence Index is ≤3.0 ¹			
2. Bidens frondosa	25	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting			
3. Scirpus atrovirens	15	No	OBL	data in Remarks or on a separate sheet)			
4. Agrostis gigantea	10	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)			
5. Phragmites australis	5	No	FACW	Indicators of hydric soil and watland hydrology must be			
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
7				Definitions of Vegetation Strata:			
8				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.			
10		· ——		Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.			
12.		· ——		and groater than or equal to 0.20 it (1 m) tail.			
12.	100	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.			
Woody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft in			
1				height.			
2				Hadambada			
3.				Hydrophytic Vegetation			
4				Present?			
		=Total Cover					
Remarks: (Include photo numbers here or on a separa	ate sheet.)			•			

Sampling Point: WET C-R-AX-6

SOIL Sampling Point: WET C-R-AX-6

		the dep				or or cor	nfirm the absence of indicate	ors.)
Depth	Matrix			x Featur		. 2	_	
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
1	tration D David	tion DM	Dadwaad Matrix M				21ti DI D	Lining M Matrix
Hydric Soil II	ncentration, D=Deple	tion, Rivi	=Reduced Mairix, M	S=IVIASK	ed Sand	Jiams.	² Location: PL=Pore	ematic Hydric Soils ³ :
Histosol (Polyvalue Belo	w Surfac	e (S8) (I	RRR) (LRR K, L, MLRA 149B)
	pedon (A2)		MLRA 149B		,c (00) (L	,		dox (A16) (LRR K, L, R)
Black His			Thin Dark Surfa	,	(LRR R,	MLRA 1		it or Peat (S3) (LRR K, L, R)
	Sulfide (A4)		High Chroma S					Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky I					ce (S9) (LRR K, L)
Depleted	Below Dark Surface	(A11)	Loamy Gleyed					Masses (F12) (LRR K, L, R)
Thick Da	k Surface (A12)		Depleted Matrix	x (F3)			Piedmont Flood	olain Soils (F19) (MLRA 149B)
Sandy Mu	ucky Mineral (S1)		Redox Dark Su	ırface (F	6)		Mesic Spodic (T	A6) (MLRA 144A, 145, 149B)
Sandy GI	eyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent Mate	erial (F21)
Sandy Re	edox (S5)		Redox Depress	sions (F8	3)		Very Shallow Da	rk Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			X Other (Explain in	Remarks)
Dark Surf	ace (S7)							
2								
	hydrophytic vegetatio	n and we	etland hydrology mus	st be pre	sent, unle	ess distur	bed or problematic.	
	ayer (if observed):							
Type:								
Depth (in	ches):						Hydric Soil Present?	Yes <u>X</u> No
Remarks:								
No soils colle	cted due to complete	inundatio	on and a domnance	of FACV	/ and OB	L species	S.	



Wetland C-R-AX-6 View facing southwest



Wetland C-R-AX-6 No Soils collected (inundated)

Segment 4 and 5 – Package 3

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: CHPE	City/County: Moreau / Saratoga Sampling Date: 11/29/21
Applicant/Owner: TDI	State: NY Sampling Point: UPLC-R-AX-6
Investigator(s): C. Scrivner, K. Weiskotten	Section, Township, Range:
Landform (hillside, terrace, etc.): Flat Loca	al relief (concave, convex, none): None Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43-12-33.20N	Long: 73-38-5.74W Datum: WGS 84
Soil Map Unit Name: RhA - Rhinebeck silt loam	NWI classification: NA
Are climatic / hydrologic conditions on the site typical for this time of year?	
Are Vegetation, Soil, or Hydrology significantly distu	
Are Vegetation, Soil, or Hydrologynaturally problem	
SUMMARY OF FINDINGS – Attach site map showing sa	impling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydric Soil Present? Yes No X	within a Wetland? Yes No _X_
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
Railroad ballast.	
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	
Sediment Deposits (B2) Oxidized Rhizospheres	
Drift Deposits (B3) Presence of Reduced I	<u> </u>
Algal Mat or Crust (B4)Recent Iron Reduction	
Iron Deposits (B5) Thin Muck Surface (C7	• • • • • • • • • • • • • • • • • • • •
Inundation Visible on Aerial Imagery (B7)Other (Explain in Rema	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inches	
Water Table Present? Yes No X Depth (inches	
Saturation Present? Yes No X Depth (inches	s): Wetland Hydrology Present? Yes No _X
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, principle (includes capillary fringe)	revious inspections) if available:
Describe Necorded Data (Stream gauge, monitoring won, action prices, p.	Tevious Inspections), ii available.
Remarks:	

Total Characters (Plat circs 20)	Absolute	Dominant	Indicator	D
Tree Stratum (Plot size: 30') 1.	% Cover	Species?	Status	Dominance Test worksheet:
2.				Number of Dominant Species That Are OBL, FACW, or FAC:(A)
3. 4.				Total Number of Dominant Species Across All Strata: (B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species x 1 =
1				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4.				UPL species x 5 =
5				Column Totals: (A)(B)
6.				Prevalence Index = B/A =
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1.				3 - Prevalence Index is ≤3.0 ¹
2.				4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
9.				at breast height (DBH), regardless of height.
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
		=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft in
1.				height.
2.				Hydrophytic
3.				Vegetation Present? Yes No X
4				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a separa No Vegetation. All railroad ballast.	ate sheet.)			

Sampling Point: UPL C-R-AX-6

SOIL Sampling Point: UPL C-R-AX-6

		the dep				or or co	nfirm the absence of indicato	ors.)
Depth	Matrix			x Featur		. 2	_	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
¹ Type: C=Coi	ncentration, D=Deple	tion. RM:	=Reduced Matrix. M	S=Mask	ed Sand (Grains.	² Location: PL=Pore I	Lining, M=Matrix.
Hydric Soil Ir		,	,					ematic Hydric Soils ³ :
Histosol (A1)		Polyvalue Belo	w Surfac	ce (S8) (L	RR R,	2 cm Muck (A10)) (LRR K, L, MLRA 149B)
Histic Epi	pedon (A2)		MLRA 149B)				dox (A16) (LRR K, L, R)
Black His	tic (A3)		Thin Dark Surfa	ace (S9)	(LRR R,	MLRA 1	49B) 5 cm Mucky Pea	t or Peat (S3) (LRR K, L, R)
Hydrogen	Sulfide (A4)		High Chroma S	Sands (S	11) (LRR	K, L)	Polyvalue Below	Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky I	Mineral (F1) (LRR	K, L)	Thin Dark Surfac	ce (S9) (LRR K, L)
Depleted	Below Dark Surface	(A11)	Loamy Gleyed	Matrix (F	- 2)		Iron-Manganese	Masses (F12) (LRR K, L, R)
Thick Dar	k Surface (A12)		Depleted Matrix	x (F3)			Piedmont Floodp	olain Soils (F19) (MLRA 149B)
Sandy Mu	ucky Mineral (S1)		Redox Dark Su	ırface (F	6)		Mesic Spodic (TA	A6) (MLRA 144A, 145, 149B)
Sandy Gl	eyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent Mate	erial (F21)
Sandy Re	edox (S5)		Redox Depress	sions (F8	3)		Very Shallow Da	rk Surface (F22)
Stripped I	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explain in	Remarks)
Dark Surf	ace (S7)							
•								
	hydrophytic vegetatio	n and we	etland hydrology mus	st be pre	sent, unle	ess distu	bed or problematic.	
	ayer (if observed):							
Type:	Rock/Gr							
Depth (in	ches):	0					Hydric Soil Present?	Yes No _X
Remarks:								
No soils collec	cted. All railroad balla	st						
110 00110 001101	stod. 7 iii Taiii oad balla	O						



Upland C-R-AX-6 View facing northeast

Segment 4 and 5 – Package 3

SITE PHOTOGRAPHS

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: CHPE - Package 3	City/County: Northumberland / Saratoga County Sampling Date: 7-22-22				
Applicant/Owner: TDI	State: NY Sampling Point: Wet P3-D-2				
Investigator(s): C.Scrivner & J. Greaves	Section, Township, Range:				
Landform (hillside, terrace, etc.): Depression	Local relief (concave, convex, none): Concave Slope %: 2				
Subregion (LRR or MLRA): LRR R Lat: 43.20784	Long: -73.63709 Datum: WGS 84				
Soil Map Unit Name: Rhinebeck silt loam, 0 to 3 percent slopes (Rh					
	<u> </u>				
Are climatic / hydrologic conditions on the site typical for this time of y	 · · · · · · · · · · · · · · · · ·				
Are Vegetation, Soil, or Hydrologysignificantly					
Are Vegetation, Soil, or Hydrologynaturally pr	oblematic? (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 X No	Is the Sampled Area				
Hydric Soil Present? Yes X No	within a Wetland? Yes X No				
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID: Near flag P3-D-2				
Remarks: (Explain alternative procedures here or in a separate repo	ort.)				
Shallow emergent marsh.					
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)X Water-Stained Le	eaves (B9) X Drainage Patterns (B10)				
High Water Table (A2) Aquatic Fauna (B	Moss Trim Lines (B16)				
X Saturation (A3)Marl Deposits (B	Dry-Season Water Table (C2)				
Water Marks (B1) Hydrogen Sulfide	Odor (C1) Crayfish Burrows (C8)				
X Sediment Deposits (B2) X Oxidized Rhizosp	heres on Living Roots (C3)Saturation Visible on Aerial Imagery (C9)				
Drift Deposits (B3) Presence of Red	uced Iron (C4) Stunted or Stressed Plants (D1)				
Algal Mat or Crust (B4)Recent Iron Redu	Tilled Soils (C6) X Geomorphic Position (D2)				
Iron Deposits (B5)Thin Muck Surface	ce (C7) Shallow Aquitard (D3)				
Inundation Visible on Aerial Imagery (B7)Other (Explain in	Remarks)Microtopographic Relief (D4)				
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)				
Field Observations:					
Surface Water Present? Yes No X Depth (ii	nches):				
Water Table Present? Yes No X Depth (ii	nches):				
Saturation Present? Yes X No Depth (iii	nches): 0 Wetland Hydrology Present? Yes X No				
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring well, aerial phot	os, previous inspections), if available:				
Remarks:					

	Absolute	Dominant	Indicator				
ree Stratum (Plot size:30')	% Cover	Species?	Status	Dominance Test worksheet:			
. Ulmus americana	5	Yes	FACW	Number of Dominant Species			
<u></u>				That Are OBL, FACW, or FAC: 6 (A)			
				Total Number of Dominant			
·				Species Across All Strata: 7 (B)			
j.				Descent of Deminent Creation			
5.				Percent of Dominant Species That Are OBL, FACW, or FAC: 85.7% (A/B)			
· · · · · · · · · · · · · · · · · · ·				Prevalence Index worksheet:			
	5	=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size:15')		="		OBL species 8 x 1 = 8			
. Ulmus americana	5	Yes	FACW	FACW species 70 x 2 = 140			
. Fraxinus pennsylvanica	5	Yes	FACW	FAC species 20 x 3 = 60			
3.		<u> </u>		FACU species 12 x 4 = 48			
i.		<u> </u>		UPL species 0 x 5 = 0			
 i.				Column Totals: 110 (A) 256 (B			
				Prevalence Index = B/A = 2.33			
				Hydrophytic Vegetation Indicators:			
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 5')		_		X 2 - Dominance Test is >50%			
. Osmundastrum cinnamomeum	25	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹			
2. Panicum dichotomiflorum	15	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supportin			
3. Persicaria virginiana	15	Yes	FAC	data in Remarks or on a separate sheet)			
Onoclea sensibilis	10	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)			
5. Boehmeria cylindrica	8	No	OBL	The disease of budgies and condend budgets are asset to			
5. Impatiens capensis	5	No	FACW	 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. 			
7. Parthenocissus quinquefolia	5	No	FACU	Definitions of Vegetation Strata:			
3. Acer rubrum	5	No	FAC	Total Washington Six (7.0 cm) as married for any			
). Geranium maculatum	2	No	FACU	Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.			
0.				October 1 West allest to be allest 0 in DDI			
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.			
2.							
	90	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.			
Voody Vine Stratum (Plot size: 30')							
. Celastrus orbiculatus	5	Yes	FACU	Woody vines – All woody vines greater than 3.28 ft in height.			
2.							
		<u> </u>		Hydrophytic			
l.				Vegetation Present? Yes X No			
	5	=Total Cover					
		_ Total Cover					

SOIL Sampling Point: Wet P3-D-2

Profile Descripe	ription: (Describe to Matrix	the dep		ment the x Feature		tor or co	nfirm the absence of	indicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-4	10YR 3/1	95	10YR 3/6	5	С	PL	Loamy/Clayey	Prominent redox concentrations	
4-20	10YR 4/1	75	10YR 4/3	15	С	М	Loamy/Clayey	Distinct redox concentrations	
			10YR 4/6	10	С	M		Prominent redox concentrations	
					<u> </u>				
¹ Type: C=Co	ncentration, D=Deple	tion, RM	=Reduced Matrix, M	S=Mask	ed Sand	Grains.	² Location: P	L=Pore Lining, M=Matrix.	
Hydric Soil I		,	,					or Problematic Hydric Soils³:	
Histosol (,		Dark Surface (\$,				ick (A10) (LRR K, L, MLRA 149B)	
	ipedon (A2)		Polyvalue Below Surface (S8) (LRR R, Coast Prairie Redox (A16) (LRR K						
Black His	` ,		MLRA 149B)					cky Peat or Peat (S3) (LRR K, L, R)	
	Sulfide (A4)		Thin Dark Surface (S9) (LRR R, MLRA 149 High Chroma Sands (S11) (LRR K, L)						
	Layers (A5) Below Dark Surface	(A11)	Loamy Mucky I				Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R)		
	rk Surface (A12)	(// 1)	Loamy Gleyed			· ιν, -)	Piedmont Floodplain Soils (F19) (MLRA 149B)		
	odic (A17)		X Depleted Matrix		_,		Red Parent Material (F21) (outside MLRA 145)		
	A 144A, 145, 149B)		X Redox Dark Su		6)		Very Shallow Dark Surface (F22)		
Sandy Mi	ucky Mineral (S1)		Depleted Dark	Surface	(F7)		Other (E	xplain in Remarks)	
	eyed Matrix (S4)		X Redox Depress	sions (F8	3)				
Sandy Re			Marl (F10) (LR					ors of hydrophytic vegetation and	
Stripped	Matrix (S6)		Red Parent Ma	terial (F2	21) (MLF	RA 145)		and hydrology must be present,	
Postrictivo I	.ayer (if observed):						unless	s disturbed or problematic.	
_	ayer (ii observed).								
Depth (in							Hydric Soil Preser	nt? Yes X No	
Remarks:							.,	<u> </u>	
remarks.									



Wetland P3-D - View facing south



Wetland P3-D - Soils

SITE PHOTOGRAPHS

Segment 4 and 5 – Package 3

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: CHPE - Package 3	City/County: N	lorthumberland / Saratoga County	Sampling Date: 7-22-22		
Applicant/Owner: TDI		State: NY	Sampling Point: Upl_P3-D-2		
Investigator(s): C.Scrivner & G. Greaves	Section	on, Township, Range:			
Landform (hillside, terrace, etc.): Hillslope		convex, none): Convex	Slope %: 55		
Subregion (LRR or MLRA): LRR R Lat: 43.20		Long: -73.63699	Datum: WGS 84		
Soil Map Unit Name: Windsor loamy sand, 25 to 35 percent sl		NWI classification:	NA WG3 84		
Are climatic / hydrologic conditions on the site typical for this tim	ne of year? Yes	<u>X</u> No (If no, e	explain in Remarks.)		
Are Vegetation, Soil, or Hydrology signif		"Normal Circumstances" preser			
Are Vegetation , Soil , or Hydrology nature		needed, explain any answers in			
SUMMARY OF FINDINGS – Attach site map sho					
Command of Findshood Accounting the			iportant reatures, etc.		
	X Is the Samp	led Area			
Hydric Soil Present? Yes X No			No X		
Wetland Hydrology Present? Yes No	X If yes, option	al Wetland Site ID:			
Remarks: (Explain alternative procedures here or in a separat	te report.)				
Successional northern hardwoods. Hillslope.					
HYDROLOGY					
Wetland Hydrology Indicators:		Secondary Indicators (m	inimum of two required)		
Primary Indicators (minimum of one is required; check all that	apply)	Surface Soil Cracks	(B6)		
Surface Water (A1) Water-Stain	ned Leaves (B9)	Drainage Patterns (B10)			
High Water Table (A2)	ına (B13)	Moss Trim Lines (B16)			
Saturation (A3) Marl Depos	its (B15)	Dry-Season Water Table (C2)			
Water Marks (B1) Hydrogen S	Sulfide Odor (C1)	Crayfish Burrows (C8)			
Sediment Deposits (B2) Oxidized Rh	nizospheres on Living Roots	oots (C3) Saturation Visible on Aerial Imagery (C9)			
Drift Deposits (B3) Presence of	f Reduced Iron (C4)	Stunted or Stressed Plants (D1)			
Algal Mat or Crust (B4)Recent Iron	Reduction in Tilled Soils (Co	s (C6) Geomorphic Position (D2)			
Iron Deposits (B5)Thin Muck S	Surface (C7)	Shallow Aquitard (D3)			
Inundation Visible on Aerial Imagery (B7) Other (Expla	ain in Remarks)	s) Microtopographic Relief (D4)			
Sparsely Vegetated Concave Surface (B8)		FAC-Neutral Test (D			
Field Observations:					
Surface Water Present? Yes No X De	pth (inches):				
	pth (inches):				
	· · · · · · · · · · · · · · · · · · ·	Vetland Hydrology Present?	Yes No X		
(includes capillary fringe)		, a 1 0,			
Describe Recorded Data (stream gauge, monitoring well, aeria	al photos, previous inspection	ns). if available:			
		,			
Remarks:					

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
1. Acer saccharum	40	Yes	FACU			
Carya ovata	20	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: (A)		
3. 4.		·		Total Number of Dominant Species Across All Strata:4(B)		
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)		
7				Prevalence Index worksheet:		
	60	=Total Cover		Total % Cover of: Multiply by:		
Sapling/Shrub Stratum (Plot size:15')				OBL species0 x 1 =0		
1				FACW species 0 x 2 = 0		
2				FAC species 0 x 3 = 0		
3				FACU species 75 x 4 = 300		
4				UPL species 0 x 5 = 0		
5				Column Totals: 75 (A) 300 (B)		
6				Prevalence Index = B/A = 4.00		
7.				Hydrophytic Vegetation Indicators:		
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
Herb Stratum (Plot size:)				2 - Dominance Test is >50%		
Parthenocissus quinquefolia	10	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹		
2				4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)		
4.				Problematic Hydrophytic Vegetation ¹ (Explain)		
5.6.		·		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.		
7.				Definitions of Vegetation Strata:		
9.		·		Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.		
10 11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.		
12.		-		Herb – All herbaceous (non-woody) plants, regardless		
	10	=Total Cover		of size, and woody plants less than 3.28 ft tall.		
Woody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft in		
1. Vitis aestivalis	5	Yes	FACU	height.		
2.		-				
3.				Hydrophytic Vegetation		
4.		-		Present? Yes No X		
	5	=Total Cover				
Remarks: (Include photo numbers here or on a separa	ate sheet.)					

Sampling Point: Upl_P3-D-2

SOIL Sampling Point: Upl_P3-D-2

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Soils ³ :
RA 149B)
K, L, R)
RR K, L, R)
RR K, L)
L) _RR K, L, R)
(MLRA 149B)
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No



Upland P3-D - View facing east/northeast



Upland P3-D - Soils

Segment 4 and 5 – Package 3

SITE PHOTOGRAPHS

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: CHPE - Package 3		City/County: Northum	berland / Saratoga County	Sampling Date: 7-22-22		
Applicant/Owner: TDI			State: NY	Sampling Point: _wet_P3-E-5		
Investigator(s): C. Scrivner & J. Greaves		Section, Tov	wnship, Range:			
Landform (hillside, terrace, etc.): Depression	n Local re	elief (concave, conve	x, none): Concave	Slope %: 2		
Subregion (LRR or MLRA): LRR R	Lat: 43.20692		-73.63851	Datum: WGS 84		
Soil Map Unit Name: Claverack loamy fine s	and, 3 to 8 percent slopes (CIB)		NWI classification:	PEM2		
Are climatic / hydrologic conditions on the site	typical for this time of year?	Yes X	No (If no, e	explain in Remarks.)		
Are Vegetation, Soil, or Hydro	logy significantly disturbe	ed? Are "Norm	nal Circumstances" prese	nt? Yes X No		
Are Vegetation, Soil, or Hydro	logy naturally problemati	ic? (If needed	d, explain any answers in	Remarks.)		
SUMMARY OF FINDINGS – Attach	site map showing sam	pling point loca	itions, transects, in	nportant features, etc.		
Hydrophytic Vegetation Present?	Yes X No	Is the Sampled Ar				
Hydric Soil Present?	Yes X No	within a Wetland?		No		
Wetland Hydrology Present?	Yes X No		tland Site ID: Near flag			
HYDROLOGY						
Wetland Hydrology Indicators:			Secondary Indicators (m	inimum of two required)		
Primary Indicators (minimum of one is require	ed; check all that apply)		Surface Soil Cracks	(B6)		
Surface Water (A1)	X Water-Stained Leaves (BS	·				
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B16)				
X Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)				
Water Marks (B1)	Hydrogen Sulfide Odor (C					
X Sediment Deposits (B2)	Oxidized Rhizospheres or					
Drift Deposits (B3)	Presence of Reduced Iron		Stunted or Stressed			
Algal Mat or Crust (B4)	Recent Iron Reduction in					
Iron Deposits (B5)	Thin Muck Surface (C7)					
Inundation Visible on Aerial Imagery (B7)		s)	Microtopographic Re			
Sparsely Vegetated Concave Surface (B	8)		X FAC-Neutral Test (D)5)		
Field Observations:						
Surface Water Present? Yes	No X Depth (inches):					
Water Table Present? Yes Saturation Present? Yes X			d Hydrology Present?	Voc. V. No.		
(includes capillary fringe)	No Depth (inches): _	vveiian	a nyarology Present?	YesX No		
Describe Recorded Data (stream gauge, mor		vious inspections) if:	available:			
Docombo recorded Data (chodin gauge, men	moning won, acriai priotoc, prov	node inepodicine), ii v	available.			
Remarks: Adjacent to Stream P3-S1.						

roo Stratum (Diet size) 201	Absolute	Dominant	Indicator	Deminance Test weeks t-			
ree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:			
Ulmus americana Fraxinus pennsylvanica	10	Yes	FACW	Number of Dominant Species			
	10	Yes	FACW	That Are OBL, FACW, or FAC: 8 (A)			
	· ———	. ———		Total Number of Dominant			
				Species Across All Strata: 11 (B)			
				Percent of Dominant Species That Are OBL, FACW, or FAC: 72.7% (A/B			
·		· ——		That Are OBL, FACW, or FAC: 72.7% (A/B Prevalence Index worksheet:			
·		=Total Cover					
onling/Chruib Ctrotum /Diot oize. 451	20	= rotal Cover					
apling/Shrub Stratum (Plot size: 15'	10	Vaa	EACM/	OBL species 5 x 1 = 5			
Ulmus americana	10	Yes	FACU	FACW species 65 x 2 = 130			
Lonicera morrowii	5	Yes	FACU	FAC species 20 x 3 = 60			
	·			FACU species 20 x 4 = 80			
·				UPL species 15 x 5 = 75			
·				Column Totals: 125 (A) 350 (E			
				Prevalence Index = B/A = 2.80			
				Hydrophytic Vegetation Indicators:			
	15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
erb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%			
Impatiens capensis	15	Yes	FACW	X 3 - Prevalence Index is ≤3.0¹			
. Polytrichum commune	15	Yes	UPL	4 - Morphological Adaptations ¹ (Provide support data in Remarks or on a separate sheet)			
. Geranium maculatum	10	Yes	FACU	-			
Persicaria virginiana	10	Yes	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)			
. Solidago gigantea	10	Yes	FACW	¹ Indicators of hydric soil and wetland hydrology must			
. Ulmus americana	10	Yes	FACW	present, unless disturbed or problematic.			
. Urtica dioica	10	Yes	FAC	Definitions of Vegetation Strata:			
Alliaria petiolata	5	No	FACU	Tree – Woody plants 3 in. (7.6 cm) or more in diamete			
Boehmeria cylindrica	5	No	OBL	at breast height (DBH), regardless of height.			
0				Sapling/shrub – Woody plants less than 3 in. DBH			
1				and greater than or equal to 3.28 ft (1 m) tall.			
2				Herb – All herbaceous (non-woody) plants, regardles:			
	90	=Total Cover		of size, and woody plants less than 3.28 ft tall.			
Voody Vine Stratum (Plot size:30')			Woody vines – All woody vines greater than 3.28 ft in			
·				height.			
· <u></u>	<u> </u>			Hydrophysio			
·				Hydrophytic Vegetation			
				Present? Yes X No No			
		=Total Cover					

SOIL Sampling Point: Wet_P3-E-5

	. ,	the de	'			tor or co	nfirm the absence of	indicators.)		
Depth	Matrix			x Feature		. 2	_			
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks		
0-2	10YR 2/1	95	10YR 3/1	5	<u>C</u>	PL	Loamy/Clayey	Faint redox concentrations		
2-14	10YR 4/1	70	10YR 4/6	10	С	M	Loamy/Clayey	Prominent redox concentrations		
			10YR 5/4	20	С	<u>M</u>		Distinct redox concentrations		
								_		
								-		
1- 0.0							2			
Hydric Soil II	ncentration, D=Deple	tion, RM	=Reduced Matrix, M	S=Mask	ed Sand	Grains.		L=Pore Lining, M=Matrix. or Problematic Hydric Soils ³ :		
Histosol (Dark Surface (S7)				ck (A10) (LRR K, L, MLRA 149B)		
	ipedon (A2)		Polyvalue Belo		e (S8) (I	RRR		rairie Redox (A16) (LRR K, L, R)		
Black His			MLRA 149B		,o (00) (1			cky Peat or Peat (S3) (LRR K, L, R)		
	n Sulfide (A4)		Thin Dark Surf	,	(LRR R,	MLRA 1		e Below Surface (S8) (LRR K, L)		
Stratified	Layers (A5)		High Chroma S					k Surface (S9) (LRR K, L)		
X Depleted	Below Dark Surface	(A11)	Loamy Mucky	Mineral (F1) (LRF	R K, L)	Iron-Manganese Masses (F12) (LRR K, L, R)			
Thick Da	rk Surface (A12)		Loamy Gleyed	Matrix (F	-2)		Piedmont Floodplain Soils (F19) (MLRA 149B)			
Mesic Sp	odic (A17)		X Depleted Matri	x (F3)			Red Pare	Red Parent Material (F21) (outside MLRA 145)		
(MLRA	A 144A, 145, 149B)		Redox Dark Su	urface (F	6)		Very Shallow Dark Surface (F22)			
Sandy Mu	ucky Mineral (S1)		Depleted Dark	Surface	(F7)		Other (E	xplain in Remarks)		
	eyed Matrix (S4)		X Redox Depress	sions (F8	3)					
Sandy Re			Marl (F10) (LR				³ Indicators of hydrophytic vegetation and			
Stripped	Matrix (S6)		Red Parent Ma	aterial (F2	21) (MLR	RA 145)		d hydrology must be present, disturbed or problematic.		
Restrictive L	ayer (if observed):						unless	disturbed of problematic.		
Type:	Rock	<								
Depth (in	ches):	14					Hydric Soil Preser	nt? Yes X No		
Remarks:							•			



Wetland P3-E - View facing north



Wetland P3-E - Soils

SITE PHOTOGRAPHS

Segment 4 and 5 – Package 3

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: CHPE - Package 3		City/County: Northumberland / Saratoga County	Sampling Date: 7-22-22
Applicant/Owner: TDI		State: NY	Sampling Point: Upl_P3-E-5
Investigator(s): C.Scrivner & G. Greaves		Section, Township, Range:	
Landform (hillside, terrace, etc.): Hillslope	Local re	elief (concave, convex, none): Convex	Slope %: 55
Subregion (LRR or MLRA): LRR R	Lat: 43.20701	Long: -73.63801	Datum: WGS 84
Soil Map Unit Name: Windsor loamy sand, 25		NWI classification:	NA
·			
Are climatic / hydrologic conditions on the site ty			explain in Remarks.)
Are Vegetation, Soil, or Hydrolo	· · · · · · · · · · · · · · · · · · ·		
Are Vegetation, Soil, or Hydrolo	ogynaturally problemati	ic? (If needed, explain any answers in	Remarks.)
SUMMARY OF FINDINGS – Attach s	ite map showing samp	ling point locations, transects, im	portant features, etc.
Hydrophytic Vegetation Present?	Yes No X	Is the Sampled Area	
	Yes X No	within a Wetland? Yes	No X
	Yes No X	If yes, optional Wetland Site ID:	κο_χ_
		ii yoo, opiionai vroitana olio ib.	
Remarks: (Explain alternative procedures here Successional northern hardwoods. Hillslope.	e or iii a separate report.)		
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indicators (n	ninimum of two required)
Primary Indicators (minimum of one is required	d: check all that apply)	Surface Soil Cracks	
Surface Water (A1)	Water-Stained Leaves (B		, ,
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B	
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water	
Water Marks (B1)	Hydrogen Sulfide Odor (C		
Sediment Deposits (B2)	Oxidized Rhizospheres or		n Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iror	· · · —	• • • •
Algal Mat or Crust (B4)	Recent Iron Reduction in		
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D	, ,
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks		•
Sparsely Vegetated Concave Surface (B8)		FAC-Neutral Test (I	
Field Observations:			
Surface Water Present? Yes	No X Depth (inches):		
Water Table Present? Yes			
Saturation Present? Yes	No X Depth (inches):		Yes No X
(includes capillary fringe)			
Describe Recorded Data (stream gauge, monit	toring well, aerial photos, previ	ious inspections), if available:	
Remarks:			

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Acer saccharum	75	Yes	FACU	
2. Pinus strobus	10	No	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
Fraxinus pennsylvanica	5	No	FACW	
4.				Total Number of Dominant Species Across All Strata: 7 (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 14.3% (A/B)
7.				Prevalence Index worksheet:
	90	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15')		-		OBL species 0 x 1 = 0
1. Acer saccharum	10	Yes	FACU	FACW species 10 x 2 = 20
2. Fraxinus pennsylvanica	5	Yes	FACW	FAC species 8 x 3 = 24
3. Lonicera morrowii	5	Yes	FACU	FACU species158 x 4 =632
4. Prunus serotina	5	Yes	FACU	UPL species 0 x 5 = 0
5.				Column Totals: 176 (A) 676 (B)
6.				Prevalence Index = B/A = 3.84
7.				Hydrophytic Vegetation Indicators:
	25	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Parthenocissus quinquefolia	20	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Alliaria petiolata	20	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Geranium maculatum	10	No	FACU	data in Remarks or on a separate sheet)
4. Persicaria virginiana	8	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
5.		<u> </u>		¹ Indicators of hydric soil and wetland hydrology must be
6.		<u> </u>		present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8. 9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				Sapling/shrub – Woody plants less than 3 in. DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	58	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in
Parthenocissus quinquefolia	3	No	FACU	height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes No X
	3	=Total Cover		
Remarks: (Include photo numbers here or on a separa	ate sheet.)			•

Sampling Point: Upl_P3-E-5

SOIL Sampling Point: Upl_P3-E-5

Profile Desc Depth	ription: (Describe to Matrix	the dep		ment the x Feature		tor or co	nfirm the absence of	indicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-20	10YR 4/2	65	10YR 4/6	25	С	М	Loamy/Clayey	Prominent redox concentrations	
			10YR 3/6	5	С	М		Prominent redox concentrations	
			10YR 4/1	5	С	М		Faint redox concentrations	
	-								
¹ Type: C=Co	ncentration, D=Deple	tion. RM	=Reduced Matrix. M	S=Mask	ed Sand	Grains.	² Location: P	L=Pore Lining, M=Matrix.	
Hydric Soil I		,	,					or Problematic Hydric Soils ³ :	
Histosol	(A1)		Dark Surface (S7)			2 cm Mu	uck (A10) (LRR K, L, MLRA 149B)	
Histic Ep	ipedon (A2)		Polyvalue Below Surface (S8) (LRR R,			LRR R,	Coast Prairie Redox (A16) (LRR K, L, R)		
Black His	` ,		MLRA 149B)				5 cm Mucky Peat or Peat (S3) (LRR K, L, R)		
	n Sulfide (A4)		Thin Dark Surface (S9) (LRR R, MLRA 14						
	Layers (A5)	(111)	High Chroma S					rk Surface (S9) (LRR K, L)	
	Below Dark Surface rk Surface (A12)	(ATT)	Loamy Mucky I			K K, L)		nganese Masses (F12) (LRR K, L, R) nt Floodplain Soils (F19) (MLRA 149B)	
	odic (A17)		X Depleted Matrix		2)			rent Material (F21) (outside MLRA 145)	
	A 144A, 145, 149B)		Redox Dark Su		6)			allow Dark Surface (F22)	
-	ucky Mineral (S1)		Depleted Dark					explain in Remarks)	
	leyed Matrix (S4)		Redox Depress					,	
Sandy Re	edox (S5)		Marl (F10) (LR	R K, L)			³ Indicato	ors of hydrophytic vegetation and	
Stripped	Matrix (S6)		Red Parent Ma	terial (F2	21) (MLF	RA 145)	wetlar	nd hydrology must be present,	
							unless	s disturbed or problematic.	
	ayer (if observed):								
Type: _									
Depth (in	ches):						Hydric Soil Preser	nt? Yes X No	
Remarks:									



Upland P3-E - View facing east/southeast



Upland P3-E - Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

westigator(s): C. Scrivner, K. Weiskotten Section, Township, Range: sandform (hillside, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope %: 1 subregion (LRR or MLRA): LRR Lat: 43-11-36.89N Long: 73-39-20.42W Datum: WGS 84 biol Map Unit Name: RhA - Rhinebeck silt loam we climatic / hydrologic conditions on the site typical for this time of year? we Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes_X_No we Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes_X_No WHydrophytic 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. Wetgetation Present? Yes_X_No Is the Sampled Area within a Wetland? Yes_X_No If yes, optional Wetland Site ID: Near Flag C-R-AW-4 Wetland Hydrology Present? Yes_X_No If yes, optional Wetland Site ID: Near Flag C-R-AW-4 **POROLOGY** Wetland Hydrology indicators: Primary Indicators (minimum of one is required: check all that apply) Surface Soil Cracks (B6) Surface Water (A1) Water Table (A2) Aquatic Fauna (B13) X Mos Trainage Patterns (B10) X. High Water Table (A2) Aquatic Fauna (B13) X Mos Trainage Patterns (B10) X. Saturation (A3) Mari Deposits (B15) Dry-Season Water Table (C2) Dry-Season Water Table (A2)
Are Special Control of the Section o
Andform (hillside, terrace, etc.): Depression
subregion (LRR or MLRA): LRR R Lat: 43-11-36.89N Long: 73-39-20.42W Datum: WGS 84 folion map Unit Name: RhA - Rhinebeck silt loam NWI classification: PFO1
Soil Map Unit Name: RhA - Rhinebeck silt loam
Are "Normal Circumstances" present? Yes X No No Normal Circumstances" present? Yes X No Normal Circumstances" present present? Yes X No Normal Circumstances present present? Yes X No Normal Circumstances present Postent different present? Yes X No Normal Circumstances present Normal Circumstances present? Yes X No Normal Circumstances present Normal Circumstances present? Yes X No Normal Circumstances (If Institute, Normal Circumstances present? Yes X No Normal Circumstances present Institute. Yes X No Normal Circumstances present? Yes X No Normal Circumstances present Normal Circumstances present? Yes X No Normal Circumstances present Normal Circumstances present Normal Circumstances present? Yes X No Normal Circumstances present Normal Circumstances present Normal Circumstances present Normal Circumstances present? Yes X No Normal Circumstances present Normal Circumstances present Normal Circ
Are Vegetation, Soil, or Hydrologynaturally 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?
Attach site map showing sampling point locations, transects, important features, etc. Summary OF Findings - Attach site map showing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No Within a Wetland? Yes X No Within a Wetland? Wetland Hydrology Present? Wetland Hydrology Present? Wetland Hydrology Present? Wetland Hydrology Present? Wetland Hydrology Indicators: Palustrine Forested Wetland - Red-maple Hardwood Swamp. Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) X Water-Stained Leaves (B9) X Drainage Patterns (B10) X High Water Table (A2) Aquatic Fauna (B13) X Saturation (A3) Marl Deposits (B15) Dry-Season Water Table (C2) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Sediment Deposits (B3) Presence of Reduced Iron (C4) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Iron Deposits (B5) Thin Muck Surface (C7) In Induction Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No X Depth (inches):
Hydric Soil Present? Yes X No If yes, optional Wetland? Wetland Hydrology Present? Wetland Hydrology Present? Wetland Hydrology Present? Wetland Hydrology Indicators: Pallustrine Forested Wetland - Red-maple Hardwood Swamp. HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) X Water-Stained Leaves (B9) X Drainage Patterns (B10) X High Water Table (A2) Aquatic Fauna (B13) X Moss Trim Lines (B16) X Saturation (A3) Marl Deposits (B15) Dry-Season Water Table (C2) Water Marks (B1) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) Drift Deposits (B3) Presence of Reduced Iron (C4) Algal Mat or Crust (B4) In Recent Iron Reduction in Tilled Soils (C6) In Muck Surface (C7) Algal Mat or Crust (B4) In Muck Surface (C7) Thin Muck Surface (C7) Space (C7) Space (C7) Algal Mater Crust (B4) In Margory (B7) Other (Explain in Remarks) Microtopographic Relief (D4) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Depth (inches):
Wetland Hydrology Present? Yes X No If yes, optional Wetland? Wetland Hydrology Present? Wetland Hydrology Present? Wetland Hydrology Present? Wetland Hydrology Indicators: Pallustrine Forested Wetland - Red-maple Hardwood Swamp. Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) X Water-Stained Leaves (B9) X Drainage Patterns (B10) X High Water Table (A2) Aquatic Fauna (B13) X Moss Trim Lines (B16) X Saturation (A3) Marl Deposits (B15) Dry-Season Water Table (C2) Water Marks (B1) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) Drift Deposits (B3) Presence of Reduced Iron (C4) Algal Mat or Crust (B4) Inon Deposits (B5) Inon Deposits (B5) Inon Deposits (B5) Inon Deposits (B7) Thin Muck Surface (C7) Algal Mat or Crust (B4) Inon Deposits (B7) Thin Muck Surface (C7) Sparier Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Depth (inches):
Remarks: (Explain alternative procedures here or in a separate report.) Palustrine Forested Wetland - Red-maple Hardwood Swamp. Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) X Water-Stained Leaves (B9) X High Water Table (A2) Aquatic Fauna (B13) X Moss Trim Lines (B16) X Saturation (A3) Marl Deposits (B15) Dry-Season Water Table (C2) Water Marks (B1) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) Drift Deposits (B3) Presence of Reduced Iron (C4) Algal Mat or Crust (B4) Iron Deposits (B5) Thin Muck Surface (C7) Iron Deposits (B5) Thin Muck Surface (C7) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No X Depth (inches):
Palustrine Forested Wetland - Red-maple Hardwood Swamp. Application
Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) X Water-Stained Leaves (B9) X High Water Table (A2) Aquatic Fauna (B13) X Saturation (A3) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) V Water No Marks (B8) Secondary Indicators (minimum of two required) Surface Soil Cracks (B6) X Drainage Patterns (B10) X Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) X Geomorphic Position (D2) X Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No X Depth (inches):
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) X Water-Stained Leaves (B9) X High Water Table (A2) Aquatic Fauna (B13) X Moss Trim Lines (B16) Dry-Season Water Table (C2) Water Marks (B1) 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) Valuration (A3) Surface Soil Cracks (B6) X Drainage Patterns (B10) X Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1) X Geomorphic Position (D2) X Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No X Depth (inches):
Surface Water (A1) X Water-Stained Leaves (B9) X Drainage Patterns (B10) X High Water Table (A2) Aquatic Fauna (B13) X Moss Trim Lines (B16) X 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) X Geomorphic Position (D2) Iron Deposits (B5) Thin Muck Surface (C7) X 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? Yes No X Depth (inches):
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X Saturation (A3)
Water Marks (B1)
Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Stunted or Stressed Plants (D1) X Geomorphic Position (D2) X Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Other (Explain in Remarks) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No X Depth (inches):
Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) Algal Mat or Crust (B4) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) X Geomorphic Position (D2) X Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No X Depth (inches):
Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Iron Deposits (B5) Thin Muck Surface (C7) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No Recent Iron Reduction in Tilled Soils (C6) X Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5)
Iron Deposits (B5) Thin Muck Surface (C7) X 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? Yes No X Depth (inches):
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? Yes No X Depth (inches):
Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Present? Yes No _X Depth (inches):
Field Observations: Surface Water Present? Yes No _X Depth (inches):
Surface Water Present? Yes No X Depth (inches):
Water Table Present? Yes X No Depth (inches): 6 Saturation Present? Yes X No Depth (inches): 0 Wetland Hydrology Present? Yes X No
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:
Describe Recorded Data (stream gauge, monitoring well, aerial priotos, previous inspections), il available.
Remarks:
Nemarks.

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant	Indicator	Dominance Test worksheet:
		Species?	Status	Dominance Test worksheet:
1. Acer rubrum	45	Yes	FAC	Number of Dominant Species
2. Betula populifolia	25	Yes	FAC	That Are OBL, FACW, or FAC: 4 (A)
3. Fraxinus pennsylvanica	10	<u>No</u>	FACW	Total Number of Dominant
4. Acer negundo	10	No	FAC	Species Across All Strata: 7 (B)
5. Pinus strobus	5	No	FACU	Percent of Dominant Species
6. <u>Ulmus americana</u>	5	<u>No</u>	FACW	That Are OBL, FACW, or FAC: 57.1% (A/B)
7.				Prevalence Index worksheet:
	100	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species 0 x 1 = 0
1. Lonicera morrowii	15	Yes	FACU	FACW species 20 x 2 = 40
2. Betula populifolia	10	Yes	FAC	FAC species 105 x 3 = 315
3. Cornus racemosa	10	Yes	FAC	FACU species 35 x 4 = 140
4. Acer negundo	5	No	FAC	UPL species 10 x 5 = 50
5. Rosa multiflora	5	No	FACU	Column Totals: 170 (A) 545 (B)
6. Ulmus americana	5	No	FACW	Prevalence Index = B/A = 3.21
7.				Hydrophytic Vegetation Indicators:
	50	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		- Total Gover		X 2 - Dominance Test is >50%
	10	Voo	FACU	3 - Prevalence Index is ≤3.0 ¹
1. Lonicera morrowii		Yes	FACU	
2.				4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
3.				
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must be
6				present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
9.				at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	10	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in
Celastrus orbiculatus	10	Yes	UPL	height.
2				
3.				Hydrophytic Vegetation
4.				Present? Yes X No
	10	=Total Cover		
Remarks: (Include photo numbers here or on a separa		•		L
, , , , , , , , , , , , , , , , , , ,	5			

Sampling Point: WET C-R-AW-4

SOIL Sampling Point: WET C-R-AW-4

	the dep				or or cor	firm the absence of indic	ators.)
Color (moist)	%	Color (moist)	%		Loc ²	Texture	Remarks
10YR 2/1	70	10YR 4/3	30	С	M	Loamy/Clayey	Distinct redox concentrations
	_		_				
	<u> </u>						
	<u> </u>						
oncentration D-Deple	tion RM	-Reduced Matrix M	S-Mask	ed Sand	Grains	² Location: PL –Po	re Lining M-Matrix
(A1) pipedon (A2) stic (A3) n Sulfide (A4) I Layers (A5)	(A11)	MLRA 149B) Thin Dark Surfa High Chroma S Loamy Mucky N Loamy Gleyed Depleted Matrix X Redox Dark Su	ace (S9) ands (S dineral (Matrix (F (F3) rface (F	(LRR R, 11) (LRR F1) (LRF 	MLRA 1	2 cm Muck (A ? Coast Prairie 5 cm Mucky F Polyvalue Bel Thin Dark Sur Iron-Mangane Piedmont Flod Mesic Spodic	belematic Hydric Soils ³ : 10) (LRR K, L, MLRA 149B) Redox (A16) (LRR K, L, R) Peat or Peat (S3) (LRR K, L, R) ow Surface (S8) (LRR K, L) face (S9) (LRR K, L) se Masses (F12) (LRR K, L, R) odplain Soils (F19) (MLRA 149B) (TA6) (MLRA 144A, 145, 149B) aterial (F21)
edox (S5) Matrix (S6) face (S7)				3)			Dark Surface (F22) n in Remarks)
hydrophytic vegetation	on and we	etland hydrology mus	st be pre	sent, unl	ess distur	bed or problematic.	
nches):	11					Hydric Soil Present?	Yes <u>X</u> No
	Matrix Color (moist) 10YR 2/1 10YR 2/1 10YR 2/1 Doncentration, D=Depleted and cators: (A1) Dipedon (A2) Stic (A3) In Sulfide (A4) I Layers (A5) I Below Dark Surface ark Surface (A12) Ducky Mineral (S1) Depleted Matrix (S4) Dedox (S5) Matrix (S6) Deface (S7) I hydrophytic vegetation are are for observed):	Matrix Color (moist) % 10YR 2/1 70 Description 70	Matrix Redox Color (moist) % Color (moist) 10YR 2/1 70 10YR 4/3 Dencentration, D=Depletion, RM=Reduced Matrix, Mandicators: (A1) Polyvalue Belox Bitic (A3) Thin Dark Surface (A1) Below Dark Surface (A11) Loamy Gleyed Below Dark Surface (A11) Loamy Gleyed Below Dark Surface (A11) Loamy Gleyed Below Dark Surface (A12) Depleted Matrix Below Mineral (S1) X Redox Dark Surface (A12) Depleted Dark Belox (S5) Redox Depress Matrix (S6) Redox (S7) Thydrophytic vegetation and wetland hydrology must- Belox (S7) Thydrophytic vegetation and wetland hydrology must- Belox (S7) Thydrophytic vegetation and wetland hydrology must- Belox (S7)	Matrix Redox Feature Color (moist) % Color (moist) % 10YR 2/1 70 10YR 4/3 30 Dencentration, D=Depletion, RM=Reduced Matrix, MS=Masker and color (moist) MLRA 149B) Thin Dark Surface (S9) High Chroma Sands (Soor MLRA 149B) Stic (A3) Thin Dark Surface (S9) High Chroma Sands (Soor MLRA 149B) I Layers (A5) Loamy Mucky Mineral (Matrix (Matri	Matrix Redox Features Color (moist) % Color (moist) % Type¹ 10YR 2/1 70 10YR 4/3 30 C Depondentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Indicators: (A1) Polyvalue Below Surface (S8) (Lose MLRA 149B) Stic (A3) Thin Dark Surface (S9) (LRR R, High Chroma Sands (S11) (LRR Loamy Mucky Mineral (F1) (LRR Loamy Mucky Mineral (F1) (LRR Loamy Gleyed Matrix (F2) Below Dark Surface (A11) Depleted Matrix (F3) Lucky Mineral (S1) X Redox Dark Surface (F6) Below Color (S5) Redox Depressions (F8) Matrix (S6) Matrix (S6) Matrix (F10) (LRR K, L) Support Color (LRR K, L) Support Color (Moist) Mark (Moist) Support Color (Moist) Masked Sand (Calor (Moist) Marked Sand (Calor (Moist) Marked Sand (Calor (Moist) Marked Sand (Calor (Moist) Marked Sand (Calor (Moist) Masked Sand (Moist) Masked Sand (Calor (Moist) Masked Sand (Moist	Matrix Redox Features Color (moist) % Type¹ Loc² 10YR 2/1 70 10YR 4/3 30 C M 10YR 2/1 70 10YR 4/3 30 C M Dencentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Indicators: (A1) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Stic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stic (A4) High Chroma Sands (S11) (LRR K, L) Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Loamy Gleyed Matrix (F2) Depleted Matrix (F3) ucky Mineral (S1) Z Redox Dark Surface (F6) leyed Matrix (S4) Depleted Dark Surface (F7) edox (S5) Redox Depressions (F8) Marl (F10) (LRR K, L) Thype¹ Loc² Marl (F10) (LRR R, MLRA 149B) Stic (A3) Thin Dark Surface (F7) Depleted Matrix (F2) Depleted Matrix (F2) Depleted Matrix (F3) Marl (F10) (LRR K, L) Thype¹ Loc² Marl (F10) (LRR K, L)	Color (moist) % Color (moist) % Type¹ Loc² Texture 10YR 2/1 70 10YR 4/3 30 C M Loamy/Clayey Interpretation, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Color (moist) % Loamy/Clayey Polyvalue Below Surface (S8) (LRR R, L) 2 cm Mucky Find Care Profits (S8) (LRR R, L) 2 cm Mucky Find Care Profits (S8) (LRR R, L) 2 cm Mucky Find Care Profits (S8) (LRR R, L) 2 cm Mucky Find Care Profits (S8) (LRR R, L) 2 cm Mucky Find Care Profits (S8) (LRR R, L) 2 cm Mucky Find Care Profits (S8) (LRR R, L) 2 cm Mucky Find Care Profits (S8) (LRR R, L) 2 cm Mucky Find Care Profits (S8) (LRR R, L) 2 cm Mucky Find Care Profits (S8) (LRR R, L) 2 cm Mucky Find Care Profits (S8) (LRR R, L) 2 cm Mucky Find Care Profits (S8) (LRR R, L) 2 cm Mucky Find Care Profits (S8) (LRR R, L) 2 cm Mucky Find Care Profits (S8) (LRR R, L) 2 cm Mucky Find Care Profits (S8) 2 cm Matrix (F10) (LRR K, L) 3 cm Matrix (S8) 3 cm Matrix (S9) 2 cm Matrix (F10) (LRR K, L) 3 cm Matrix (S9) 3 cm Mat



Wetland C-R-AW-4 View facing west



Wetland C-R-AW-4 Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Northumberland/Saratoga Sampling Date: 3/30/23
Applicant/Owner: TDI	State: NY Sampling Point: C-R-AW Well PEM
Investigator(s): C. Scrivner & J. Greaves	Section, Township, Range:
	relief (concave, convex, none): Concave Slope %: 2
Subregion (LRR or MLRA): LRR R Lat: 43.193777	Long: -73.655751 Datum: DD
Soil Map Unit Name: RhA - Rhinebeck silt loam, 0 to 3 percent slopes	NWI classification: PEM2
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturl	bed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally problema	
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID: Wetland C-R-AW
Remarks: (Explain alternative procedures here or in a separate report.) Shallow emergent marsh. Signs on property edge identify this area as Sara	itoga Plan Conservation Easement.
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)
X Surface Water (A1) Water-Stained Leaves (E	B9) Drainage Patterns (B10)
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3) — Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (· · · · · · · · · · · · · · · · · · ·
Sediment Deposits (B2) Oxidized Rhizospheres of	
Drift Deposits (B3) Presence of Reduced Iro	<u> </u>
Algal Mat or Crust (B4) Recent Iron Reduction ir	
Iron Deposits (B5) — Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes X No Depth (inches):	
Water Table Present? Yes X No Depth (inches):	
Saturation Present? Yes X No Depth (inches):	Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	vious inspections), if available:
Remarks:	
Remarks:	

	Absolute	Dominant	Indicator	
ree Stratum (Plot size:30')	% Cover	Species?	Status	Dominance Test worksheet:
				Number of Deminant Species
				Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
		· ——		Total Number of Dominant Species Across All Strata: 2 (B)
				Species Across All Strata
				Percent of Dominant Species
· .				That Are OBL, FACW, or FAC:100.0%(A/E
	-			Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size:15')				OBL species 90 x 1 = 90
				FACW species 10 x 2 = 20
				FAC species 0 x 3 = 0
				FACU species 0 x 4 = 0
				UPL species 0 x 5 = 0
				Column Totals: 100 (A) 110 (E
				Prevalence Index = B/A = 1.10
				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
erb Stratum (Plot size:5')				X 2 - Dominance Test is >50%
Scirpus cyperinus	45	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
Juncus effusus	45	Yes	OBL	4 - Morphological Adaptations (Provide supporti
Lysimachia nummularia	10	No	FACW	data in Remarks or on a separate sheet)
				Problematic Hydrophytic Vegetation ¹ (Explain)
				1 and a second of booking and a second on the second of booking and a second
				¹ 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 height (DBH), regardless of height
				diameter at breast height (DBH), regardless of height
).				Sapling/shrub – Woody plants less than 3 in. DBH
1				and greater than or equal to 3.28 ft (1 m) tall.
2	-			Herb – All herbaceous (non-woody) plants, regardles
	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.
/oody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft i
	-			height.
				Hydrophytic
				Vegetation
	-			Present? Yes X No
		=Total Cover		Present? Yes X No

Depth	Matrix		Redo	x Featur			onfirm the absence o	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 2/1	95	10YR 5/3	5	С		Loamy/Clayey	Distinct redox concentrations
8-18	10YR 5/1	70	10YR 4/6	_20_	c	m	Loamy/Clayey	Prominent redox concentrations
			10YR 5/4	10	c	<u>m</u>		Distinct redox concentrations
			_					
¹Type: C=C	oncentration, D=Depl	etion RM	-Reduced Matrix M	 	ed Sand		² Location: P	L=Pore Lining, M=Matrix.
Hydric Soil I		elion, ixivi	-Neduced Matrix, IV	/IO-IVIAS	Neu Sand	i Giailis.		or Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (LRR R,		uck (A10) (LRR K, L, MLRA 149B)
Histic Ep	oipedon (A2)		MLRA 149B)			Coast P	rairie Redox (A16) (LRR K, L, R)
Black His	` ,		Thin Dark Surfa		-		· —	ucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					e Below Surface (S8) (LRR K, L)
	d Layers (A5)	(411)	Loamy Mucky			R K, L)		rk Surface (S9) (LRR K, L)
X_Debleted	d Below Dark Surface	(A11)	Loamy Gleyed		F2)			nganese Masses (F12) (LRR K, L, R)
Thick Da	ark Surface (A12)							nt Floodolain Soile (F19) (MI PA 1/19R)
	ark Surface (A12) Jucky Mineral (S1)	,	X Depleted Matri		6)			nt Floodplain Soils (F19) (MLRA 149B)
Sandy M	lucky Mineral (S1)		X Redox Dark Su	ırface (F	-		Mesic S	podic (TA6) (MLRA 144A, 145, 149B)
Sandy M				ırface (F Surface	(F7)		Mesic S Red Par	
Sandy M Sandy G Sandy R	Mucky Mineral (S1) Gleyed Matrix (S4)		X Redox Dark Su Depleted Dark	urface (F Surface sions (F	(F7)		Mesic S Red Par Very Sha	podic (TA6) (MLRA 144A, 145, 149B) ent Material (F21)
Sandy M Sandy G Sandy R Stripped	Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5)		X Redox Dark Su Depleted Dark ? Redox Depress	urface (F Surface sions (F	(F7)		Mesic S Red Par Very Sha	podic (TA6) (MLRA 144A, 145, 149B) ent Material (F21) allow Dark Surface (F22)
Sandy M Sandy G Sandy R Stripped Dark Sur	flucky Mineral (S1) Gleyed Matrix (S4) dedox (S5) Matrix (S6) rface (S7)	on and w	X Redox Dark Su Depleted Dark ? Redox Depress Marl (F10) (LR	urface (F Surface sions (Fa R K, L)	(F7) 3)	nless dist	Mesic S Red Par Very Sha Other (E	podic (TA6) (MLRA 144A, 145, 149B) ent Material (F21) allow Dark Surface (F22)
Sandy M Sandy G Sandy R Stripped Dark Sur	Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) Matrix (S6)	on and w	X Redox Dark Su Depleted Dark ? Redox Depress Marl (F10) (LR	urface (F Surface sions (Fa R K, L)	(F7) 3)	nless dist	Mesic S Red Par Very Sha Other (E	podic (TA6) (MLRA 144A, 145, 149B) ent Material (F21) allow Dark Surface (F22)
Sandy M Sandy G Sandy R Stripped Dark Sur	flucky Mineral (S1) Gleyed Matrix (S4) Ledox (S5) Matrix (S6) Inface (S7) Mydrophytic vegetati	on and w	X Redox Dark Su Depleted Dark ? Redox Depress Marl (F10) (LR	urface (F Surface sions (Fa R K, L)	(F7) 3)	nless dist	Mesic S Red Par Very Sha Other (E	podic (TA6) (MLRA 144A, 145, 149B) ent Material (F21) allow Dark Surface (F22)
Sandy M Sandy G Sandy R Stripped Dark Sur	Mucky Mineral (S1) Gleyed Matrix (S4) Gledox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed):	on and we	X Redox Dark Su Depleted Dark ? Redox Depress Marl (F10) (LR	urface (F Surface sions (Fa R K, L)	(F7) 3)	nless dist	Mesic S Red Par Very Sha Other (E	podic (TA6) (MLRA 144A, 145, 149B) ent Material (F21) allow Dark Surface (F22) explain in Remarks)
Sandy M Sandy G Sandy R Stripped Dark Sur Indicators of Restrictive I Type: Depth (ir	flucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed):		X Redox Dark Su Depleted Dark ? Redox Depress Marl (F10) (LR	urface (F Surface sions (Fi R K, L)	(F7) B) esent, ur		Mesic S Red Par Very Sha Other (E	podic (TA6) (MLRA 144A, 145, 149B) ent Material (F21) allow Dark Surface (F22) explain in Remarks) nt? Yes No
Sandy M Sandy G Sandy R Stripped Dark Sur Indicators of Restrictive I Type: Depth (ir Remarks: This data for	flucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed): mis revised from Nor	rthcentral	X Redox Dark Su Depleted Dark ? Redox Depress Marl (F10) (LR etland hydrology mu	urface (F Surface sions (Fi R K, L)	(F7) B) esent, ur	t Version	Mesic S Red Par Very Sha Other (E urbed or problematic. Hydric Soil Preser 2.0 to include the NR0	podic (TA6) (MLRA 144A, 145, 149B) ent Material (F21) allow Dark Surface (F22) explain in Remarks)
Sandy M Sandy G Sandy R Stripped Dark Sur Indicators of Restrictive I Type: Depth (ir Remarks: This data for	flucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed):	rthcentral	X Redox Dark Su Depleted Dark ? Redox Depress Marl (F10) (LR etland hydrology mu	urface (F Surface sions (Fi R K, L)	(F7) B) esent, ur	t Version	Mesic S Red Par Very Sha Other (E urbed or problematic. Hydric Soil Preser 2.0 to include the NR0	podic (TA6) (MLRA 144A, 145, 149B) ent Material (F21) allow Dark Surface (F22) explain in Remarks) nt? Yes No
Sandy M Sandy G Sandy R Stripped Dark Sur Indicators of Restrictive I Type: Depth (ir Remarks: This data for	flucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed): mis revised from Nor	rthcentral	X Redox Dark Su Depleted Dark ? Redox Depress Marl (F10) (LR etland hydrology mu	urface (F Surface sions (Fi R K, L)	(F7) B) esent, ur	t Version	Mesic S Red Par Very Sha Other (E urbed or problematic. Hydric Soil Preser 2.0 to include the NR0	podic (TA6) (MLRA 144A, 145, 149B) ent Material (F21) allow Dark Surface (F22) explain in Remarks) nt? Yes No
Sandy M Sandy G Sandy R Stripped Dark Sur Indicators of Restrictive I Type: Depth (ir Remarks: This data for	flucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed): mis revised from Nor	rthcentral	X Redox Dark Su Depleted Dark ? Redox Depress Marl (F10) (LR etland hydrology mu	urface (F Surface sions (Fi R K, L)	(F7) B) esent, ur	t Version	Mesic S Red Par Very Sha Other (E urbed or problematic. Hydric Soil Preser 2.0 to include the NR0	podic (TA6) (MLRA 144A, 145, 149B) ent Material (F21) allow Dark Surface (F22) explain in Remarks) nt? Yes No
Sandy M Sandy G Sandy R Stripped Dark Sur Indicators of Restrictive I Type: Depth (ir Remarks: This data for	flucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed): mis revised from Nor	rthcentral	X Redox Dark Su Depleted Dark ? Redox Depress Marl (F10) (LR etland hydrology mu	urface (F Surface sions (Fi R K, L)	(F7) B) esent, ur	t Version	Mesic S Red Par Very Sha Other (E urbed or problematic. Hydric Soil Preser 2.0 to include the NR0	podic (TA6) (MLRA 144A, 145, 149B) ent Material (F21) allow Dark Surface (F22) explain in Remarks) nt? Yes No
Sandy M Sandy G Sandy R Stripped Dark Sur Indicators of Restrictive I Type: Depth (ir Remarks: This data for	flucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed): mis revised from Nor	rthcentral	X Redox Dark Su Depleted Dark ? Redox Depress Marl (F10) (LR etland hydrology mu	urface (F Surface sions (Fi R K, L)	(F7) B) esent, ur	t Version	Mesic S Red Par Very Sha Other (E urbed or problematic. Hydric Soil Preser 2.0 to include the NR0	podic (TA6) (MLRA 144A, 145, 149B) ent Material (F21) allow Dark Surface (F22) explain in Remarks) nt? Yes No
Sandy M Sandy G Sandy R Stripped Dark Sur Indicators of Restrictive I Type: Depth (ir Remarks: This data for	flucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed): mis revised from Nor	rthcentral	X Redox Dark Su Depleted Dark ? Redox Depress Marl (F10) (LR etland hydrology mu	urface (F Surface sions (Fi R K, L)	(F7) B) esent, ur	t Version	Mesic S Red Par Very Sha Other (E urbed or problematic. Hydric Soil Preser 2.0 to include the NR0	podic (TA6) (MLRA 144A, 145, 149B) ent Material (F21) allow Dark Surface (F22) explain in Remarks) nt? Yes No
Sandy M Sandy G Sandy R Stripped Dark Sur Indicators of Restrictive I Type: Depth (ir Remarks: This data for	flucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed): mis revised from Nor	rthcentral	X Redox Dark Su Depleted Dark ? Redox Depress Marl (F10) (LR etland hydrology mu	urface (F Surface sions (Fi R K, L)	(F7) B) esent, ur	t Version	Mesic S Red Par Very Sha Other (E urbed or problematic. Hydric Soil Preser 2.0 to include the NR0	podic (TA6) (MLRA 144A, 145, 149B) ent Material (F21) allow Dark Surface (F22) explain in Remarks) nt? Yes No
Sandy M Sandy G Sandy R Stripped Dark Sur Indicators of Restrictive I Type: Depth (ir Remarks: This data for	flucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed): mis revised from Nor	rthcentral	X Redox Dark Su Depleted Dark ? Redox Depress Marl (F10) (LR etland hydrology mu	urface (F Surface sions (Fi R K, L)	(F7) B) esent, ur	t Version	Mesic S Red Par Very Sha Other (E urbed or problematic. Hydric Soil Preser 2.0 to include the NR0	podic (TA6) (MLRA 144A, 145, 149B) ent Material (F21) allow Dark Surface (F22) explain in Remarks) nt? Yes No
Sandy M Sandy G Sandy R Stripped Dark Sur Indicators of Restrictive I Type: Depth (ir Remarks: This data for	flucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed): mis revised from Nor	rthcentral	X Redox Dark Su Depleted Dark ? Redox Depress Marl (F10) (LR etland hydrology mu	urface (F Surface sions (Fi R K, L)	(F7) B) esent, ur	t Version	Mesic S Red Par Very Sha Other (E urbed or problematic. Hydric Soil Preser 2.0 to include the NR0	podic (TA6) (MLRA 144A, 145, 149B) ent Material (F21) allow Dark Surface (F22) explain in Remarks) nt? Yes No
Sandy M Sandy G Sandy R Stripped Dark Sur Indicators of Restrictive I Type: Depth (ir Remarks: This data for	flucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) Matrix (S6) rface (S7) f hydrophytic vegetati Layer (if observed): mis revised from Nor	rthcentral	X Redox Dark Su Depleted Dark ? Redox Depress Marl (F10) (LR etland hydrology mu	urface (F Surface sions (Fi R K, L)	(F7) B) esent, ur	t Version	Mesic S Red Par Very Sha Other (E urbed or problematic. Hydric Soil Preser 2.0 to include the NR0	podic (TA6) (MLRA 144A, 145, 149B) ent Material (F21) allow Dark Surface (F22) explain in Remarks) nt? Yes No



Wetland C-R-AW near flag 1A - View facing north



Wetland C-R-AW near flag 1A - Soils

SITE PHOTOGRAPHS

Segment 4 and 5 – Package 3

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: CHPE	City/County: Moreau / Saratoga Sampling Date: 11/29/21
Applicant/Owner: TDI	State: NY Sampling Point: UPLC-R-AW-4
Investigator(s): C. Scrivner, K. Weiskotten	Section, Township, Range:
Landform (hillside, terrace, etc.): Flat Loca	al relief (concave, convex, none): None Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43-11-36.68N	Long: 73-39-20.34W Datum: WGS 84
Soil Map Unit Name: RhA - Rhinebeck silt loam	NWI classification: NA
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly disturbed and Vegetation, Soil, and Hydrologystarting to the last of the second	
Are Vegetation, Soil, or Hydrologynaturally problem	
SUMMARY OF FINDINGS – Attach site map showing sai	mpling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydric Soil Present? Yes No X	within a Wetland? Yes No _X_
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
Railroad ballast.	
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	
Sediment Deposits (B2) Oxidized Rhizospheres	
Drift Deposits (B3) Presence of Reduced I	<u> </u>
Algal Mat or Crust (B4)Recent Iron Reduction	<u> </u>
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7) Thin Muck Surface (C7 Other (Explain in Rema	,
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inches	2).
Water Table Present? Yes No X Depth (inches	
Saturation Present? Yes No X Depth (inches	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	revious inspections), if available:
Remarks:	

Total Characters (Plat size) 201	Absolute	Dominant Species?	Indicator	Din annual Tant washington
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
1				Number of Dominant Species That Are OBL, FACW, or FAC: (A)
2				
4.				Total Number of Dominant Species Across All Strata: (B)
5				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC:(A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species x 1 =
1.				FACW species x 2 =
2				FAC species x 3 =
3				FACU species x 4 =
4				UPL species x 5 =
5				Column Totals: (A) (B)
6				Prevalence Index = B/A =
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:)				2 - Dominance Test is >50%
1				3 - Prevalence Index is ≤3.0 ¹
2 3.				4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5. 6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
		=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft in
1.				height.
2				Hydrophytic
3.				Vegetation
4				Present?
		=Total Cover		
Remarks: (Include photo numbers here or on a separa No vegetation, only railroad ballast.	ate sheet.)			
NO Vegetation, only ramous bands.				

Sampling Point: UPL C-R-AW-4

SOIL Sampling Point: UPL C-R-AW-4

	ription: (Describe to	the de				or or co	nfirm the absence of in	dicators.)
Depth	Matrix			x Featur		. ?	_	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
-								
					·			
	oncentration, D=Deple	tion, RM	=Reduced Matrix, M	IS=Mask	ed Sand	Grains.		Pore Lining, M=Matrix.
Hydric Soil								Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo		ce (S8) (L	RR R,		(A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B	,				rie Redox (A16) (LRR K, L, R)
Black Hi			Thin Dark Surf					xy Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky			(K, L)		Surface (S9) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Gleyed		F2)			anese Masses (F12) (LRR K, L, R)
Thick Da	ark Surface (A12)		Depleted Matri	x (F3)			Piedmont	Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su	urface (F	6)		Mesic Spo	dic (TA6) (MLRA 144A, 145, 149B)
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parer	nt Material (F21)
	edox (S5)		Redox Depres	sions (F	8)			ow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Exp	olain in Remarks)
Dark Su	rface (S7)							
	hydrophytic vegetation	n and w	etland hydrology mu	st be pre	esent, unle	ess distu	rbed or problematic.	
Restrictive I	_ayer (if observed):							
Type:	Rock/Ba	allast						
Depth (in	nches):	0					Hydric Soil Present?	? Yes <u>No X</u>
Remarks:							I	
No soils colle	ected due to railroad b	allast.						



Upland C-R-AW-4 View facing northeast



Upland C-R-AW-4 No Soils collected (railroad ballast)

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Moreau / Saratoga Sampling Date: 11/29/21
Applicant/Owner: TDI	State: NY Sampling Point: WET C-R-AV-2
Investigator(s): C. Scrivner, K. Weiskotten	Section, Township, Range:
Landform (hillside, terrace, etc.): Depression/ditch Local	relief (concave, convex, none): Concave Slope %: 2
Subregion (LRR or MLRA): LRR R Lat: 43-11-32.67N	Long: 73-39-28.55W Datum: WGS 84
Soil Map Unit Name: Cs - Cosad fine sandy loam	NWI classification: PSS1
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
	· · /
Are Vegetation, Soil, or Hydrologysignificantly disturb	
Are Vegetation, Soil, or Hydrologynaturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID: Near Flag C-R-AV-2
Palustrine Scrubshrub 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) X Water-Stained Leaves (I	<u> </u>
X High Water Table (A2)Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3)Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (
Sediment Deposits (B2) Oxidized Rhizospheres of Drift Deposits (B3) Presence of Reduced Iro	
Drift Deposits (B3) Presence of Reduced Iro Algal Mat or Crust (B4) Recent Iron Reduction ir	
Iron Deposits (B5) Thin Muck Surface (C7)	· , , , , , , , , , , , , , , , , , , ,
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	<u> </u>
Surface Water Present? Yes No X Depth (inches)	
Water Table Present? Yes X No Depth (inches)	·
Saturation Present? Yes X No Depth (inches)	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, presented by the stream gauge). Remarks:	vious inspections), if available:

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
2.		·		Number of Dominant Species That Are OBL, FACW, or FAC:5(A)
3. 4.				Total Number of Dominant Species Across All Strata: 7 (B)
5 6		·		Percent of Dominant Species That Are OBL, FACW, or FAC: 71.4% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species 0 x 1 = 0
1. Cornus amomum	30	Yes	FACW	FACW species 85 x 2 = 170
2. Cornus racemosa	25	Yes	FAC	FAC species30 x 3 =90
3. Lonicera morrowii	15	No	FACU	FACU species 30 x 4 = 120
4. Rhus typhina	10	No	UPL	UPL species 10 x 5 = 50
5.				Column Totals: 155 (A) 430 (B)
6.				Prevalence Index = B/A = 2.77
7.				Hydrophytic Vegetation Indicators:
···	80	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		_ Total Gover		X 2 - Dominance Test is >50%
·	20	Voo	EAC\\\	
Onoclea sensibilis	20	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
2. Phalaris arundinacea	15	Yes	FACW	4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
3. Alliaria petiolata	10	Yes	FACU	
4. Bidens frondosa	10	Yes	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Solidago gigantea	5	No	FACW	¹ Indicators of hydric soil and wetland hydrology must be
6. Sambucus nigra	5	No	FACW	present, unless disturbed or problematic.
7. Viburnum dentatum	5	No	FAC	Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
9				at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	70	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft in
1. Vitis aestivalis	5	Yes	FACU	height.
2.				
3				Hydrophytic
4.				Vegetation Present? Yes X No
T		Tatal Cause		riesent: res No
	5	=Total Cover		l
Remarks: (Include photo numbers here or on a separa	ate sheet.)			

Sampling Point: WET C-R-AV-2

SOIL Sampling Point: WET C-R-AV-2

Profile Desc	ription: (Describe t	o the dep	oth needed to docur	ment th	e indicat	or or co	onfirm the absence of indicators.)		
Depth	Matrix			x Featur		0			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture Remarks		
0-8	10YR 2/1	80	10YR 5/6	10	С	<u>M</u>	Sandy Prominent redox concentrations		
			10YR 4/6	10	<u>C</u>	M	Prominent redox concentrations		
8-20	10YR 4/2	55	10YR 2/1	10	<u>C</u>	<u>M</u>	Sandy Faint redox concentrations		
			10YR 5/4	30	С	M	Distinct redox concentrations		
			2.5YR 3/6	5	С	M	Prominent redox concentrations		
			_						
¹ Type: C=Co	oncentration, D=Depl	etion. RM	=Reduced Matrix. M	IS=Mask	ed Sand	Grains.	² Location: PL=Pore Lining, M=Matrix.		
Hydric Soil I		o,		•		<u> </u>	Indicators for Problematic Hydric Soils ³ :		
Histosol			Polyvalue Belo	w Surfac	ce (S8) (I	RR R,	2 cm Muck (A10) (LRR K, L, MLRA 149B)		
Histic Ep	pipedon (A2)		MLRA 149B))			Coast Prairie Redox (A16) (LRR K, L, R)		
Black His	stic (A3)		Thin Dark Surfa	ace (S9)	(LRR R	MLRA 1	149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)		
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	11) (LRF	R K, L)	Polyvalue Below Surface (S8) (LRR K, L)		
Stratified	Layers (A5)		Loamy Mucky N	Mineral ((F1) (LRF	R K, L)	Thin Dark Surface (S9) (LRR K, L)		
Depleted	Below Dark Surface	(A11)	Loamy Gleyed	Matrix (F	F2)		Iron-Manganese Masses (F12) (LRR K, L, R)		
	rk Surface (A12)		Depleted Matrix				Piedmont Floodplain Soils (F19) (MLRA 149B)		
Sandy M	lucky Mineral (S1)		Redox Dark Su	ırface (F	6)		Mesic Spodic (TA6) (MLRA 144A, 145, 149B)		
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent Material (F21)		
X Sandy R	` '		Redox Depress		3)		Very Shallow Dark Surface (F22)		
X Stripped	Matrix (S6)		Marl (F10) (LR I	R K, L)			Other (Explain in Remarks)		
X Dark Su	rface (S7)								
³ Indicators of	hydrophytic vegetati	on and w	etland hydrology mu	st be pre	esent, un	less distu	urbed or problematic.		
	_ayer (if observed):								
Type:									
Depth (ir	nches):						Hydric Soil Present? Yes X No		
Remarks:									



Wetland C-R-AV-2 View facing west/southwest



Wetland C-R-AV-2 Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: CHPE	City/County: Moreau / Saratoga Sampling Date: 11/29/21
Applicant/Owner: TDI	State: NY Sampling Point: UPLC-R-AV-2
Investigator(s): C. Scrivner, K. Weiskotten	Section, Township, Range:
	relief (concave, convex, none): Convex Slope %: 2
Subregion (LRR or MLRA): LRR R Lat: 43-11-32.58N	Long: 73-39-28.25W Datum: WGS 84
Soil Map Unit Name: Cs - Cosad fine sandy loam	NWI classification: NA
Are climatic / hydrologic conditions on the site typical for this time of year?	 -
	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantly disturb	
Are Vegetation, Soil, or Hydrologynaturally problema	
SUMMARY OF FINDINGS – Attach site map showing sam	npling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydric Soil Present? Yes No X	within a Wetland? Yes No X
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
Successional Old Field.	
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 (E	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 (
Sediment Deposits (B2) Oxidized Rhizospheres of	
Drift Deposits (B3) Presence of Reduced Iro	· , , , , , , , , , , , , , , , , , , ,
Algal Mat or Crust (B4) Recent Iron Reduction in	· · · · · · · · · · · · · · · · · · ·
Iron Deposits (B5) Thin Muck Surface (C7) Other (Fundamen Paradel	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inches):	: <u></u>
Water Table Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches):	
	: Wetland Hydrology Present? Yes No _X
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	wight inchedians) if available:
Describe Necorded Data (Stream gauge, montening won, dental priotes, pro	vious inspections), ii avaliabie.
Remarks:	
Remarks.	

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1				Number of Dominant Species
2.				That Are OBL, FACW, or FAC:1(A)
3. 4.				Total Number of Dominant Species Across All Strata:4(B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species 0 x 1 = 0
1. Acer negundo	5	Yes	FAC	FACW species 0 x 2 = 0
2				FAC species 5 x 3 = 15
3				FACU species 85 x 4 = 340
4				UPL species15 x 5 =75
5				Column Totals: 105 (A) 430 (B)
6.				Prevalence Index = B/A = 4.10
7.		· .		Hydrophytic Vegetation Indicators:
	5	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		•		2 - Dominance Test is >50%
1. Setaria faberi	25	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Schedonorus pratensis	25	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Oenothera biennis	20	Yes	FACU	data in Remarks or on a separate sheet)
4. Solidago canadensis	15	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Verbascum thapsus	10	No	UPL	11
6. Daucus carota	5	No	UPL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
9				at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12		·		Herb – All herbaceous (non-woody) plants, regardless
	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in
1.				height.
2				Lhudranhudia
3				Hydrophytic Vegetation
4				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a separa	ate sheet.)			

Sampling Point: UPL C-R-AV-2

SOIL Sampling Point: UPL C-R-AV-2

	. `	the dep				or or co	nfirm the absence of inc	dicators.)
Depth	Matrix			x Featur		. 2	- .	5
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-9	10YR 2/1	100					Sandy	with gravel
1Type: C-Co	ncentration, D=Deple	tion RM-	-Reduced Matrix M	S-Mack	ed Sand (Grains	² l ocation: Pl –	Pore Lining, M=Matrix.
Hydric Soil Ir		tion, ixivi-	-Neduced Matrix, Mi	0-IVIASKI	eu Sanu v	Stairis.		Problematic Hydric Soils ³ :
Histosol (Polyvalue Belo	w Surfac	ce (S8) (L	RR R.		(A10) (LRR K, L, MLRA 149B)
	pedon (A2)		MLRA 149B		() (,		rie Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surfa	ace (S9)	(LRR R,	MLRA 1		y Peat or Peat (S3) (LRR K, L, R)
Hydrogen	Sulfide (A4)		High Chroma S	Sands (S	11) (LRR	K, L)		Below Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky N	Mineral (F1) (LRR	K, L)	Thin Dark S	Surface (S9) (LRR K, L)
Depleted	Below Dark Surface	(A11)	Loamy Gleyed	Matrix (F	- 2)		Iron-Manga	anese Masses (F12) (LRR K, L, R)
Thick Dar	k Surface (A12)		Depleted Matrix	x (F3)			Piedmont F	Floodplain Soils (F19) (MLRA 149B)
Sandy Mu	ucky Mineral (S1)		Redox Dark Su	ırface (F	6)		Mesic Spoo	dic (TA6) (MLRA 144A, 145, 149B)
Sandy Gl	eyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Paren	t Material (F21)
Sandy Re			Redox Depress		3)			ow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Exp	olain in Remarks)
Dark Surf	ace (S7)							
31. 12	L. Land Brown and		de elle ledere e				de la contraca de	
	hydrophytic vegetation ayer (if observed):	n and we	tiand nydrology mus	st be pre	sent, unie	ess distui	bed or problematic.	
Type:	Gravel/F	Rock						
_							Undein Cail Descent	No. Was No. V
Depth (in	cnes):	9					Hydric Soil Present?	Yes No X
Remarks:								



Upland C-R-AV-2 View facing southwest



Upland C-R-AV-2 Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: CHPE	City/County: Moreau / Saratoga Sampling Date: 11/29/21
Applicant/Owner: TDI	State: NY Sampling Point: WET C-R-AU-1
Investigator(s): C. Scrivner, K. Weiskotten	Section, Township, Range:
Landform (hillside, terrace, etc.): Depression Loca	al relief (concave, convex, none): Concave Slope %: 15
Subregion (LRR or MLRA): LRR R Lat: 43-11-25.30N	Long: 73-39-43.75W Datum: WGS 84
Soil Map Unit Name: RhA - Rhinebeck silt loam	NWI classification: PEM2
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distu	
Are Vegetation, Soil, or Hydrology naturally problem	
	mpling point locations, transects, important features, etc.
	T
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No Wetland Hydrology Present? Yes X No	within a Wetland? Yes X No If yes, optional Wetland Site ID: Near Flag C-R-AU-1
	If yes, optional wetland site ib. Near Flag G-N-AO-1
Remarks: (Explain alternative procedures here or in a separate report.) Palustrine Emergent Marsh.	
T alustine Emergent Marsh.	
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) X Water-Stained Leaves	
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor	
X Sediment Deposits (B2) Oxidized Rhizospheres	
Drift Deposits (B3) Presence of Reduced I	
Algal Mat or Crust (B4) Recent Iron Reduction	in Tilled Soils (C6) X Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C7	7) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) X Other (Explain in Rema	arks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inches	s):
Water Table Present? Yes X No Depth (inches	
Saturation Present? Yes X No Depth (inches	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pr	revious inspections), if available:
Remarks:	
Directly adjacent and abutting stream C-R-S-MM.	

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
 Salix nigra 	10	Yes	OBL	Number of Dominant Species That Are OBL, FACW, or FAC:4(A)
3. 4.				Total Number of Dominant Species Across All Strata:5(B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: 80.0% (A/B)
7.				Prevalence Index worksheet:
	10	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15')				OBL species65 x 1 =65
1. Alnus incana	10	Yes	FACW	FACW species 50 x 2 = 100
2. Cornus amomum	10	Yes	FACW	FAC species0 x 3 =0
3. Lonicera morrowii	10	Yes	FACU	FACU species10 x 4 =40
4. Salix nigra	5	No	OBL	UPL species 0 x 5 = 0
5. Ilex verticillata	5	No	FACW	Column Totals: 125 (A) 205 (B)
6.				Prevalence Index = B/A = 1.64
7.				Hydrophytic Vegetation Indicators:
	40	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		•		X 2 - Dominance Test is >50%
Leersia oryzoides	40	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
2. Bidens frondosa	10	No	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Solidago gigantea	10	No	FACW	data in Remarks or on a separate sheet)
4. Carex bebbii	10	No	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
Symphyotrichum novae-angliae	5	No	FACW	
6				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8 9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				Sapling/shrub – Woody plants less than 3 in. DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12.	75	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)		•		Woody vines – All woody vines greater than 3.28 ft in
1.		. 		height.
2.				Hydrophytic
3.				Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separa	ate sheet.)			

Sampling Point: WET C-R-AU-1

SOIL Sampling Point: WET C-R-AU-1

		the dep				or or co	nfirm the absence of i	ndicators.)
Depth	Matrix	0/		x Feature		12	Tandona	Damada
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-18	10YR 3/1	55	10YR 5/4	20	<u> </u>	<u>М</u> М	Loamy/Clayey	Distinct redox concentrations
-	·		5YR 3/4	20	<u>C</u>	IVI		Prominent redox concentrations
			5YR 3/4	5	С	PL		Prominent redox concentrations
-								
								 ,
	·							
¹ Type: C=Ce	oncentration, D=Deple	etion, RM	=Reduced Matrix, MS	S=Mask	ed Sand	Grains.	² Location: PL	_=Pore Lining, M=Matrix.
Hydric Soil	Indicators:							or Problematic Hydric Soils ³ :
Histosol			Polyvalue Belov		ce (S8) (L	.RR R,		ck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B)					airie Redox (A16) (LRR K, L, R)
	stic (A3)		Thin Dark Surfa					cky Peat or Peat (S3) (LRR K, L, R)
	en Sulfide (A4)		High Chroma S					e Below Surface (S8) (LRR K, L)
	d Layers (A5)	(0.4.4)	Loamy Mucky N			(K, L)		k Surface (S9) (LRR K, L)
	d Below Dark Surface	(A11)	Loamy Gleyed		-2)			ganese Masses (F12) (LRR K, L, R)
	ark Surface (A12) lucky Mineral (S1)		Depleted Matrix X Redox Dark Su	. ,	6)			t Floodplain Soils (F19) (MLRA 149B) oodic (TA6) (MLRA 144A, 145, 149B)
	Gleyed Matrix (S4)		Depleted Dark					ent Material (F21)
	Redox (S5)		? Redox Depress					allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LRI		<i>,</i>			xplain in Remarks)
	rface (S7)			, ,				,
	,							
³ Indicators o	f hydrophytic vegetation	on and w	etland hydrology mus	st be pre	sent, unl	ess distu	rbed or problematic.	
Restrictive	Layer (if observed):							
Type:								
Depth (i	nches):						Hydric Soil Presen	t? Yes X No
Remarks:								
								,
								,
								,
								,



Wetland C-R-AU-1 View facing northwest



Wetland C-R-AU-1 Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Moreau / Saratoga Sampling Date: 11/29/21				
Applicant/Owner: TDI	Int/Owner: TDI				
Investigator(s): C. Scrivner, K. Weiskotten					
- ' '					
Soil Map Unit Name: RhA - Rhinebeck silt loam					
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)				
Are Vegetation , Soil , or Hydrology significantly disturb	bed? Are "Normal Circumstances" present? Yes X No				
					
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area				
Hydric Soil Present? Yes No X	within a Wetland? Yes No X				
Wetland Hydrology Present? Yes No X	<u> </u>				
Successional Old Field.					
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 (E	39) Drainage Patterns (B10)				
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)				
<u> </u>					
<u> </u>	<u> </u>				
<u> </u>					
1 — · · · · · · —	<u> </u>				
<u> </u>					
<u> </u>	<u> </u>				
	TAC-Neutral Test (D3)				
l —— ——					
(includes capillary fringe)					
	vious inspections), if available:				
Remarks:					

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1				Number of Dominant Species
2.				That Are OBL, FACW, or FAC:1(A)
3. 4.				Total Number of Dominant Species Across All Strata:4(B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species 0 x 1 = 0
1. Acer negundo	5	Yes	FAC	FACW species 0 x 2 = 0
2				FAC species 5 x 3 = 15
3				FACU species 85 x 4 = 340
4				UPL species15 x 5 =75
5				Column Totals: 105 (A) 430 (B)
6.				Prevalence Index = B/A = 4.10
7.		· .		Hydrophytic Vegetation Indicators:
	5	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		•		2 - Dominance Test is >50%
1. Setaria faberi	25	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Schedonorus pratensis	25	Yes	FACU	4 - Morphological Adaptations (Provide supporting
3. Oenothera biennis	20	Yes	FACU	data in Remarks or on a separate sheet)
4. Solidago canadensis	15	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Verbascum thapsus	10	No	UPL	11
6. Daucus carota	5	No	UPL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
9				at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12		·		Herb – All herbaceous (non-woody) plants, regardless
	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in
1.				height.
2				Lhudranhudia
3				Hydrophytic Vegetation
4				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a separa	ate sheet.)			

Sampling Point: UPL C-R-AU-1

SOIL Sampling Point: UPL C-R-AU-1

	ription: (Describe to	the de				or or co	nfirm the absence of	indicators.))	
Depth	Matrix			x Featur						
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remarks	3
0-9	10YR 2/1	100					Sandy		with grave	el
							_			
1 _{Tympo} , C. C.	nacatrotica D. Donlo	tion DA	A Dadwood Motrix A	AC Mool		Crains	² Location: P	I Doro Lini	na M Matri	
Hydric Soil	oncentration, D=Deple	tion, Ki	/i=Reduced Matrix, N	/IS=IVIASI	keu Sanu	Grains.	Indicators for			
Histosol			Polyvalue Belo	ow Surfa	ce (S8) (I	RR R			RR K, L, ML	
	pipedon (A2)		MLRA 149B		00 (00) (2	,			(A16) (LRR	
Black Hi			Thin Dark Surf	,	(LRR R,	MLRA 1				LRR K, L, R)
	n Sulfide (A4)		High Chroma					-	rface (S8) (I	
	Layers (A5)		Loamy Mucky						S9) (LRR K ,	
	Below Dark Surface	(A11)	Loamy Gleyed							(LRR K, L, R)
Thick Da	ark Surface (A12)		Depleted Matri	ix (F3)			Piedmor	nt Floodplair	n Soils (F19)	(MLRA 149B)
Sandy M	lucky Mineral (S1)		Redox Dark St	urface (F	- 6)		Mesic S	podic (TA6)	(MLRA 144	A, 145, 149B)
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Par	ent Material	(F21)	
Sandy R	edox (S5)		Redox Depres	sions (F	8)		Very Sha	allow Dark S	Surface (F22	?)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (E	xplain in Re	emarks)	
Dark Su	rface (S7)									
	f hydrophytic vegetatio	on and v	vetland hydrology mu	ist be pro	esent, unl	ess distu	rbed or problematic.			
	_ayer (if observed):									
Type:	Gravel/F									
Depth (ir	nches):	9					Hydric Soil Preser	nt?	Yes	No X
Remarks:										



Upland C-R-AU-1 View facing southwest



Upland C-R-AU-1 Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Moreau / Saratoga Sampling Date: 11/29/21
Applicant/Owner: TDI	State: NY Sampling Point: WET C-RAU-15
Investigator(s): C. Scrivner, K. Weiskotten	Section, Township, Range:
-	relief (concave, convex, none): Concave Slope %: 2
Subregion (LRR or MLRA): LRR R Lat: 43-11-19.85N	Long: 73-39-53.27W Datum: WGS 84
Soil Map Unit Name: RhA - Rhinebeck silt loam	NWI classification: PFO1
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturb	
Are Vegetation, Soil, or Hydrology naturally problema	
SUMMARY OF FINDINGS – Attach site map showing sam	ppling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID: Near Flag C-R-AU-15
Remarks: (Explain alternative procedures here or in a separate report.) Palustrine Forested Wetland - Red-maple Hardwood Swamp.	
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) X Water-Stained Leaves (E	39) X Drainage Patterns (B10)
X High Water Table (A2) Aquatic Fauna (B13)	X Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (0	C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizospheres o	on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced Iro	on (C4) Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reduction in	Tilled Soils (C6) X Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C7)	X Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) X Other (Explain in Remark	ks)Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No _X Depth (inches):	
Water Table Present? Yes X No Depth (inches):	2
Saturation Present? Yes X No Depth (inches):	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	vious inspections), if available:
Remarks: Directly adjacent and abutting stream C-R-S-MM.	
Directly adjacent and abutting stream C-R-3-wiw.	

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Acer rubrum	60	Yes	FAC	Number of Dominant Species
2. Fraxinus pennsylvanica	20	Yes	FACW	That Are OBL, FACW, or FAC: 6 (A)
3. Pinus strobus	10	No	FACU	Total Number of Deminent
4. Tsuga canadensis	10	No	FACU	Total Number of Dominant Species Across All Strata: 6 (B)
5 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.				Prevalence Index worksheet:
	100	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species 25 x 1 = 25
1. Acer rubrum	10	Yes	FAC	FACW species 40 x 2 = 80
2. Ilex verticillata	10	Yes	FACW	FAC species 70 x 3 = 210
3. Fagus grandifolia	5	No	FACU	FACU species 40 x 4 = 160
4. Pinus strobus	5	No	FACU	UPL species 0 x 5 = 0
5. Tsuga canadensis	5	No	FACU	Column Totals: 175 (A) 475 (B)
6.				Prevalence Index = B/A = 2.71
7.				Hydrophytic Vegetation Indicators:
	35	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		•		X 2 - Dominance Test is >50%
Osmunda spectabilis	25	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
Onoclea sensibilis	10	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Pinus strobus	5	No	FACU	data in Remarks or on a separate sheet)
4.		·		Problematic Hydrophytic Vegetation ¹ (Explain)
5.				<u> </u>
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
9.	·			at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	40	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft in
1.		·		height.
2.				Hydrophytic
3.				Vegetation
4				Present?
		=Total Cover		
Remarks: (Include photo numbers here or on a separa	ate sheet.)			

Sampling Point: NET C-R-AU-1!

SOIL Sampling Point:WET C-R-AU-15

Depth Matrix Redox Features (inches) Color (moist) % Color (moist) % Type¹ Loc² Texture	
	Remarks
0-5 10YR 2/1 90 10YR 5/3 10 C M Loamy/Clayey Distinct	ct redox concentrations
5-12 10YR 4/1 55 10YR 5/8 20 C M Sandy Promine	ent redox concentrations
10YR 5/4 25 C M Distinct	ct redox concentrations
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ² Location: PL=Pore Liniu	ng, M=Matrix.
Hydric Soil Indicators: Indicators for Problema	
Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (Ll	RR K, L, MLRA 149B)
Histic Epipedon (A2) MLRA 149B) ? Coast Prairie Redox	
_	Peat (S3) (LRR K, L, R)
	rface (S8) (LRR K, L)
Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (Strategy Clayed Metric (F2)) Loamy Clayed Metric (F2)	
	sses (F12) (LRR K, L, R) n Soils (F19) (MLRA 149B)
	(MLRA 144A, 145, 149B)
Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material	
Sandy Redox (S5) ? Redox Depressions (F8) Very Shallow Dark S	` ,
? Stripped Matrix (S6) Marl (F10) (LRR K, L) Other (Explain in Re	, ,
Dark Surface (S7)	,
³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.	
Restrictive Layer (if observed):	
Restrictive Layer (if observed): Type: Rots/Gravel/Rock	Yes X No
Restrictive Layer (if observed): Type: Rots/Gravel/Rock Depth (inches): 12 Hydric Soil Present?	Yes_X_ No
Restrictive Layer (if observed): Type: Rots/Gravel/Rock	Yes_X_ No
Restrictive Layer (if observed): Type: Rots/Gravel/Rock Depth (inches): 12 Hydric Soil Present?	Yes <u>X</u> No
Restrictive Layer (if observed): Type: Rots/Gravel/Rock Depth (inches): 12 Hydric Soil Present?	Yes_X_ No
Restrictive Layer (if observed): Type: Rots/Gravel/Rock Depth (inches): 12 Hydric Soil Present?	Yes_X_ No
Restrictive Layer (if observed): Type: Rots/Gravel/Rock Depth (inches): 12 Hydric Soil Present?	Yes <u>X</u> No
Restrictive Layer (if observed): Type: Rots/Gravel/Rock Depth (inches): 12 Hydric Soil Present?	Yes <u>X</u> No
Restrictive Layer (if observed): Type: Rots/Gravel/Rock Depth (inches): 12 Hydric Soil Present?	Yes_X_ No
Restrictive Layer (if observed): Type: Rots/Gravel/Rock Depth (inches): 12 Hydric Soil Present?	Yes <u>X</u> No
Restrictive Layer (if observed): Type: Rots/Gravel/Rock Depth (inches): 12 Hydric Soil Present?	Yes X No
Restrictive Layer (if observed): Type: Rots/Gravel/Rock Depth (inches): 12 Hydric Soil Present?	Yes_X_ No
Restrictive Layer (if observed): Type: Rots/Gravel/Rock Depth (inches): 12 Hydric Soil Present?	Yes_X_ No
Restrictive Layer (if observed): Type: Rots/Gravel/Rock Depth (inches): 12 Hydric Soil Present?	Yes_X_ No



Wetland C-R-AU-15 View facing west



Wetland C-R-AU-15 Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: CHPE	City/County: Moreau / Saratoga Sampling Date: 11/29/21
Applicant/Owner: TDI	State: NY Sampling Point: UPL C-R-AU-15
Investigator(s): C. Scrivner, K. Weiskotten	Section, Township, Range:
Landform (hillside, terrace, etc.): Flat	Local relief (concave, convex, none): None Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43-1	
Soil Map Unit Name: RhA - Rhinebeck silt loam	NWI classification: NA
Are climatic / hydrologic conditions on the site typical for this tir	
Are Vegetation, Soil, or Hydrologysigni	
Are Vegetation, Soil, or Hydrologynatur	
SUMMARY OF FINDINGS – Attach site map she	owing sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No	o X Is the Sampled Area
	within a Wetland? Yes No X
	o X If yes, optional Wetland Site ID:
Successional Old Field.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that	t apply) Surface Soil Cracks (B6)
Surface Water (A1) Water-Stai	ined Leaves (B9) Drainage Patterns (B10)
High Water Table (A2) Aquatic Fa	<u>—</u>
Saturation (A3)Marl Depos	
	Sulfide Odor (C1) Crayfish Burrows (C8)
<u> </u>	Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
	of Reduced Iron (C4) Stunted or Stressed Plants (D1) Separation in Tilled Soils (C6) Scamparhia Position (D2)
	on Reduction in Tilled Soils (C6) Geomorphic Position (D2) Surface (C7) Shallow Aquitard (D3)
	blain in Remarks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
	Depth (inches):
	Depth (inches):
	Depth (inches): Wetland Hydrology Present? Yes No _ X
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aeri	ial photos, previous inspections), if available:
Remarks:	

<u>Tree Stratum</u> (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:				
1 2				Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)				
3. 4.				Total Number of Dominant Species Across All Strata: 7 (B)				
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: 28.6% (A/	В)			
7				Prevalence Index worksheet:				
		=Total Cover		Total % Cover of: Multiply by:				
Sapling/Shrub Stratum (Plot size:)				OBL species 0 x 1 = 0				
1. Lonicera morrowii	10	Yes	FACU	FACW species 0 x 2 = 0				
2. Rhamnus cathartica	10	Yes	FAC	FAC species 25 x 3 = 75				
3. Acer negundo	5	No	FAC	FACU species 90 x 4 = 360				
4. Rubus allegheniensis	5	No	FACU	UPL species 5 x 5 = 25				
5				Column Totals: 120 (A) 460 (B)			
6.				Prevalence Index = B/A = 3.83				
7				Hydrophytic Vegetation Indicators:				
	30	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation				
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%				
1. Setaria faberi	45	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹				
2. Setaria pumila	10	Yes	FAC	4 - Morphological Adaptations ¹ (Provide supporting				
3. Poa pratensis	10	Yes	FACU	data in Remarks or on a separate sheet)				
4. Schedonorus pratensis	10	Yes	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)				
5. Schizachyrium scoparium	10	Yes	FACU	1 				
6. Daucus carota	5	No	UPL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.				
7.				Definitions of Vegetation Strata:				
8.								
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diame at breast height (DBH), regardless of height.	ter			
10				Sapling/shrub – Woody plants less than 3 in. DBH				
11				and greater than or equal to 3.28 ft (1 m) tall.				
12				Herb – All herbaceous (non-woody) plants, regardle	99			
	90	=Total Cover		of size, and woody plants less than 3.28 ft tall.				
Woody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft	in			
1				height.	-			
				Hydrophytic				
2								
2				Vegetation				
2		=Total Cover		Vegetation Present? Yes No _X				

Sampling Point: UPL C-R-AU-15

SOIL Sampling Point: UPL C-R-AU-15

Profile Desci	ription: (Describe to Matrix	the dep		ment the x Feature		or or cor	nfirm the absence of indic	cators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remai	·ks	
(interior)	Color (molot)		Color (molot)		1,700		TOXIGIO	rtoma	NO .	
		·	_							
	ncentration, D=Deple	tion, RM=	Reduced Matrix, M	S=Mask	ed Sand	Grains.	² Location: PL=Po			
Hydric Soil I							Indicators for Pr	-		
Histosol	(A1)		Polyvalue Belo	w Surfac	e (S8) (L	.RR R,		(10) (LRR K, L, N		
	ipedon (A2)		MLRA 149B	,				Redox (A16) (LF		
Black His	` '		Thin Dark Surf					Peat or Peat (S3)	•	
Hydroger	n Sulfide (A4)		High Chroma S	Sands (S	11) (LRR	k K, L)	Polyvalue Be	low Surface (S8)	(LRR K, L)	
Stratified	Layers (A5)		Loamy Mucky	Mineral (F1) (LRF	R K, L)	Thin Dark Su	rface (S9) (LRR l	K, L)	
Depleted	Below Dark Surface	(A11)	Loamy Gleyed	Matrix (F	-2)		Iron-Mangan	ese Masses (F12) (LRR K, L, R)	
Thick Da	rk Surface (A12)		Depleted Matri	x (F3)			Piedmont Flo	odplain Soils (F1	9) (MLRA 149B)	
Sandy M	ucky Mineral (S1)		Redox Dark Su	ırface (F	6)		Mesic Spodio	(TA6) (MLRA 14	14A, 145, 149B)	
Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7)			(F7)		Red Parent Material (F21)					
Sandy Redox (S5)			Redox Depres	sions (F8	3)		Very Shallow Dark Surface (F22)			
Stripped Matrix (S6)			Marl (F10) (LRR K, L)				Other (Explain in Remarks)			
Dark Sur	face (S7)									
³ Indicators of	hydrophytic vegetation	on and we	tland hydrology mu	st be pre	sent, unl	ess distur	bed or problematic.			
Restrictive L	ayer (if observed):									
Type:	Rock/Ba	allast								
Depth (in	ches):	0					Hydric Soil Present?	Yes	No X	
Remarks:	<u> </u>									
rtomanto.										
No soils colle	cted due to railroad b	allast.								



Upland C-R-AU-15 View facing northeast

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Wilton/ Saratoga Sampling Date: 11/30/21
Applicant/Owner: TDI	State: NY Sampling Point: C-R-AT-5 Wet
Investigator(s): N. Frazer, K. Weiskotten	Section, Township, Range:
Landform (hillside, terrace, etc.): depression Local	relief (concave, convex, none): concave Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43-11-05N	Long: 73-40-10W Datum: WGS 84
Soil Map Unit Name: Oakville loamy fine sand (OaB)	NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	bed? Are "Normal Circumstances" present? Yes x No
Are Vegetation, Soil, or Hydrology naturally problems	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.) Isolated.	
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) XWater-Stained Leaves (I	
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3) — Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (· · · · · · · · · · · · · · · · · · ·
Sediment Deposits (B2) Oxidized Rhizospheres of the control of th	
Drift Deposits (B3) Presence of Reduced Inc	
Algal Mat or Crust (B4) Iron Deposits (B5) Recent Iron Reduction in Thin Muck Surface (C7)	
Iron Deposits (B5) — Thin Muck Surface (C7) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations: Surface Water Present? Yes No x Depth (inches):	
Water Table Present? Yes x No Depth (inches): Saturation Present? Yes x No Depth (inches):	
(includes capillary fringe)	Yelland Hydrology Fresent: 165 X No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	L evious inspections). if available:
	,
Remarks:	
No inlet or outlet.	

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Acer rubrum	25	Yes	FAC	
2.				Number of Dominant Species That Are OBL, FACW, or FAC:3(A)
3. 4.				Total Number of Dominant Species Across All Strata:3(B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7				Prevalence Index worksheet:
	25	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species25 x 1 =25
1. Ilex verticillata	10	Yes	FACW	FACW species 10 x 2 = 20
2				FAC species 30 x 3 = 90
3.				FACU species0 x 4 =0
4				UPL species0 x 5 =0
5				Column Totals: 65 (A) 135 (B)
6.				Prevalence Index = B/A =2.08
7.				Hydrophytic Vegetation Indicators:
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		•		X 2 - Dominance Test is >50%
1. Osmunda spectabilis	25	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
2. Clethra alnifolia	5	No	FAC	4 - Morphological Adaptations ¹ (Provide supporting
3.				data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree Meady plants 2 in /7.6 am) or mars in
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
	30	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft in
1.				height.
2.				
3.				Hydrophytic
4.				Vegetation Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet)			
Tremarks. (include proto numbers here of on a separ	ate sneet.)			

Sampling Point: C-R-AT-5 Wet

Profile Desc Depth	ription: (Describe t Matrix	to the de		ument t l x Featur		ator or co	onfirm the absence of indicators.)
(inches)	Color (moist)	%	Color (moist)	% realur	Type ¹	Loc ²	Texture Remarks
0-3	7.5YR 2.5/1	100	Color (molet)		1,700		Peat
3-7	10YR 2/1	100					Sandy
7-9	10YR 2/2	100					Sandy
9-14	10YR 2/1	80	5Y 4/1	20			Sandy
	oncentration, D=Depl	etion, RM	=Reduced Matrix, N	/IS=Mas	ked San	d Grains.	
Hydric Soil I			5 5.	0 ((00) (Indicators for Problematic Hydric Soils ³ :
— Histosol			Polyvalue Belo		ce (S8) (LRR R,	2 cm Muck (A10) (LRR K, L, MLRA 149B)
Black His	oipedon (A2)		MLRA 149B Thin Dark Surf	•) /I DD D	MI DA 1	Coast Prairie Redox (A16) (LRR K, L, R) 7 5 cm Mucky Peat or Peat (S3) (LRR K, L, F
	n Sulfide (A4)		High Chroma				Polyvalue Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky				Thin Dark Surface (S9) (LRR K, L)
	I Below Dark Surface	e (A11)	Loamy Gleyed			, ,	Iron-Manganese Masses (F12) (LRR K, L,
	ırk Surface (A12)	, ,	Depleted Matri				Piedmont Floodplain Soils (F19) (MLRA 14
Sandy M	lucky Mineral (S1)		Redox Dark Su	urface (F	- 6)		Mesic Spodic (TA6) (MLRA 144A, 145, 149
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Parent Material (F21)
	edox (S5)		Redox Depres		8)		Very Shallow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	RK, L)			Other (Explain in Remarks)
X Dark Sur	face (S7)						
³ Indicators of	hvdrophytic vegetati	ion and w	etland hydrology mi	ust he ni	resent u	nless dist	turbed or problematic.
	_ayer (if observed):	ion and w	onana nyarology mi	uot bo pi	1000111, 41	inoco diot	landed of problematic.
Type:	non	е					
Depth (ir	nches):						Hydric Soil Present? Yes X No
Remarks:							
	m is revised from No	rthcentral	and Northeast Reg	ional Su	ıpplemen	t Version	2.0 to include the NRCS Field Indicators of Hydric Soils,
	2015 Errata. (http://w						



Wetland C-R-AT-5- View facing northeast



Wetland C-R-AT-5- Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Wilton/ Saratoga Sampling Date: 11/30/21
Applicant/Owner: TDI	State: NY Sampling Point: c-R-AT-5 Upi
Investigator(s): N. Frazer, K. Weiskotten	Section, Township, Range:
	relief (concave, convex, none): none Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43-11-05N	Long: 73-40-10W Datum: WGS 84
Soil Map Unit Name: Oakville loamy fine sand (OaB)	NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydric Soil Present? Yes No X	within a Wetland? Yes No _X
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
Forested upland.	
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 (
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 (
Sediment Deposits (B2) Oxidized Rhizospheres Oxidized Rhizospheres	
Drift Deposits (B3) Presence of Reduced In	
Algal Mat or Crust (B4) Iron Deposits (B5) Recent Iron Reduction in Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar Sparsely Vegetated Concave Surface (B8)	rks) Microtopographic Relief (D4) FAC-Neutral Test (D5)
	(Ac-Neutral Test (D3)
Field Observations:	
Surface Water Present? Yes No x Depth (inches)	
Water Table Present? Yes No x Depth (inches) Saturation Present? Yes No x Depth (inches)	
Saturation Present? Yes No _x Depth (inches) (includes capillary fringe)	: Wetland Hydrology Present? Yes No _X_
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections) if available:
Describe Necorded Data (stream gauge, monitoring well, acrial photos, pre	wiods inspections), if available.
Remarks:	

From Stratum (Diot size: 201)	Absolute	Dominant Species?	Indicator	Dominanae Teet weeksheets
ree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
Tsuga canadensis	65	Yes	FACU	Number of Dominant Species
Fagus grandifolia	15	No No	FACU	That Are OBL, FACW, or FAC:0 (A)
Pinus strobus	10	No No	FACU	Total Number of Dominant Species Across All Strata: 3 (B)
				Percent of Dominant Species
				That Are OBL, FACW, or FAC: 0.0% (A/B
				Prevalence Index worksheet:
	90	=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size: 15')		•		OBL species 0 x 1 = 0
Eagus grandifolia	30	Yes	FACU	FACW species 0 x 2 = 0
				FAC species 0 x 3 = 0
				FACU species 145 x 4 = 580
				UPL species 0 x 5 = 0
				Column Totals: 145 (A) 580 (E
				Prevalence Index = B/A = 4.00
·	-			
		T-1-1 0		Hydrophytic Vegetation Indicators:
	30	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
erb Stratum (Plot size: 5')				2 - Dominance Test is >50%
Pinus strobus	25	Yes	<u>FACU</u>	3 - Prevalence Index is ≤3.0 ¹
				4 - Morphological Adaptations ¹ (Provide supporti data in Remarks or on a separate sheet)
·				Problematic Hydrophytic Vegetation ¹ (Explain)
·				¹ 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 height (DBH), regardless of heigh
). 				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
2.				Herb – All herbaceous (non-woody) plants, regardles
	25	=Total Cover		of size, and woody plants less than 3.28 ft tall.
/oody Vine Stratum (Plot size: 30')		•		Mandusines All woods vines greater than 2.29 ft
				Woody vines – All woody vines greater than 3.28 ft height.
				Hydrophytic
	-			Vegetation Present? Yes No X
		=Total Cover		Present?
· -		= Loral Cover		

SOIL Sampling Point C-R-AT-5 Upl

Profile Desc	cription: (Describe t	o the de				ator or co	onfirm the absence of indicators.)	
Depth	Matrix			x Featur		. 2		
(inches)	Color (moist)	<u>%</u>	Color (moist)		Type ¹	Loc ²	Texture Remarks	
0-2	7.5YR 2.5/3	100					Peat	
2-5	10YR 2/1	100					Loamy/Clayey	
5-8	10YR 3/3	100					Loamy/Clayey	
8-17	7.5YR 4/6	100					Sandy	
1Type: C=C	oncentration, D=Deple		——————————————————————————————————————				² Location: PL=Pore Lining, M=Matrix.	
Hydric Soil		elion, ixiv	I-Reduced Matrix, IV	IO-IVIASI	Keu Sanc	Giailis.	Indicators for Problematic Hydric Soils ³ :	
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	2 cm Muck (A10) (LRR K, L, MLRA 149B)	
	pipedon (A2)		MLRA 149B		. , .		Coast Prairie Redox (A16) (LRR K, L, R)	
	stic (A3)		Thin Dark Surfa	ace (S9)	(LRR R	, MLRA 1	149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, I	R)
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	311) (LRF	R K, L)	Polyvalue Below Surface (S8) (LRR K, L)	
Stratified	d Layers (A5)		Loamy Mucky I	Mineral	(F1) (LR I	R K, L)	Thin Dark Surface (S9) (LRR K, L)	
Depleted	d Below Dark Surface	(A11)	Loamy Gleyed	Matrix (F2)		Iron-Manganese Masses (F12) (LRR K, L,	R)
	ark Surface (A12)		Depleted Matrix				Piedmont Floodplain Soils (F19) (MLRA 14	-
	lucky Mineral (S1)		Redox Dark Su				Mesic Spodic (TA6) (MLRA 144A, 145, 14 9	9B)
	Sleyed Matrix (S4)		Depleted Dark				Red Parent Material (F21)	
	Redox (S5)		Redox Depress	•	8)		Very Shallow Dark Surface (F22)	
	Matrix (S6)		Marl (F10) (LR	K N, L)			Other (Explain in Remarks)	
Dark Su	rface (S7)							
		on and w	etland hydrology mu	ıst be pr	esent, ur	nless dist	turbed or problematic.	
	Layer (if observed):	_						
Type:	none	3					Hudrig Cail BrassantO Van Na V	
Depth (ii							Hydric Soil Present? Yes No _X	
Remarks:	m is revised from Nor	thcentra	l and Northeast Regi	onal Su	nnlemen	t Version	n 2.0 to include the NRCS Field Indicators of Hydric Soils,	
	2015 Errata. (http://w		-					
	` .		· ·	_			, _ ,	



Upland C-R-AT-5- View facing northwest



Upland C-R-AT-5- Soils

SITE PHOTOGRAPHS

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: CHPE - Package 3	City/County: Northumberland / Saratoga County Sampling Date: 7-22-22
Applicant/Owner: TDI	State: NY Sampling Point: Wet_P3-F-7
Investigator(s): C. Scrivner & J. Greaves	Section, Township, Range:
	cal relief (concave, convex, none): Concave Slope %: 2
Subregion (LRR or MLRA): LRR R Lat: 43.17869	Long: -73.6761 Datum: WGS 84
Soil Map Unit Name: Oakville loamy fine sand, undulating (OaB)	NWI classification: PEM1
Are climatic / hydrologic conditions on the site typical for this time of year?	? Yes X No (If no, explain in Remarks.)
Are Vegetation , Soil , or Hydrology significantly dis	
Are Vegetation, Soil, or Hydrology naturally proble	
	ampling point locations, transects, important features, etc.
Hudesphatic Venetation December 1	In the Complet Area
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No Wetland Hydrology Present? Yes X No	within a Wetland? Yes X No If yes, optional Wetland Site ID: Near flag P3-F-7
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)X_Water-Stained Leave	ps (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 Odd	or (C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizosphere	es on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced	d Iron (C4)Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reduction	
Iron Deposits (B5) Thin Muck Surface (C	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Rem	marks)Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inche	os):
Water Table Present? Yes No X Depth (inche	os):
Saturation Present? Yes No X Depth (inche	es): Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos,	previous inspections), if available:
Remarks:	

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Tsuga canadensis	10	Yes	FACU	Northwelf Basiness Onesite
2.		·		Number of Dominant Species That Are OBL, FACW, or FAC: (A)
3. 4.				Total Number of Dominant Species Across All Strata:6(B)
5				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC: 83.3% (A/B)
7				Prevalence Index worksheet:
	10	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species 28 x 1 = 28
Ilex verticillata	10	Yes	FACW	FACW species 75 x 2 = 150
2. Lyonia ligustrina	10	Yes	FACW	FAC species15 x 3 =45
3. Quercus bicolor	5	No	FACW	FACU species10 x 4 =40
4. Spiraea tomentosa	5	No	FACW	UPL species0 x 5 =0
5.				Column Totals: 128 (A) 263 (B)
6.				Prevalence Index = B/A = 2.05
7.				Hydrophytic Vegetation Indicators:
	30	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
Osmundastrum cinnamomeum	40	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
2. Juncus effusus	10	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Toxicodendron radicans	10	Yes	FAC	data in Remarks or on a separate sheet)
4. Osmunda spectabilis	8	No	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Scirpus cyperinus	5	No	OBL	The disease of bundels and supplied bundels are accepted.
6. Acer rubrum	5	No	FAC	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7. Carex bebbii	5	No	OBL	Definitions of Vegetation Strata:
8. Solidago gigantea	5	No	FACW	
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	88	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separa	ate sheet.)	<u>-</u>		
, , ,	,			

Sampling Point: Wet_P3-F-7

SOIL Sampling Point: Wet_P3-F-7

Depth	iption: (Describe to Matrix	o tne aep		ı ment tn x Featur		tor or co	nfirm the absence of i	naicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-6	10YR 2/1	70	10YR 5/3	20	С	M	Sandy	Distinct redox concentrations	
			10YR 3/4	5	С	PL		Distinct redox concentrations	
			10YR 4/1	5	D	М			
6-18	10YR 4/1	70	10YR 5/8	15	С	М	Sandy	Prominent redox concentrations	
			7.5YR 5/8	15	С	М		Prominent redox concentrations	
1									
	ncentration, D=Deple	etion, RM	=Reduced Matrix, M	S=Mask	ed Sand	Grains.		=Pore Lining, M=Matrix. r Problematic Hydric Soils ³ :	
Hydric Soil In Histosol (A			X Dark Surface (S7)				ck (A10) (LRR K, L, MLRA 149B)	
	pedon (A2)		Polyvalue Belo		ce (S8) (I	LRR R,		airie Redox (A16) (LRR K, L, R)	
Black Hist	, ,		MLRA 149B		(/ (,		cky Peat or Peat (S3) (LRR K, L, R)	
Hydrogen	Sulfide (A4)		X Thin Dark Surfa	ace (S9)	(LRR R	, MLRA 1	49B) Polyvalue	Below Surface (S8) (LRR K, L)	
Stratified	Layers (A5)		High Chroma S	Sands (S	311) (LRF	R K, L)	Thin Dark	Surface (S9) (LRR K, L)	
X Depleted	Below Dark Surface	(A11)	Loamy Mucky I	Mineral ((F1) (LRI	R K, L)	Iron-Man	ganese Masses (F12) (LRR K, L, R)	
Thick Dar	k Surface (A12)		Loamy Gleyed	Matrix (F	F2)		Piedmont Floodplain Soils (F19) (MLRA 149B)		
Mesic Spo	odic (A17)		Depleted Matrix	x (F3)			Red Parent Material (F21) (outside MLI		
(MLRA	144A, 145, 149B)		Redox Dark Su	urface (F	6)		Very Shal	llow Dark Surface (F22)	
	ıcky Mineral (S1)		Depleted Dark				Other (Ex	plain in Remarks)	
	eyed Matrix (S4)		Redox Depress	•	3)		3		
X Sandy Re			Marl (F10) (LR					s of hydrophytic vegetation and	
Stripped N	Matrix (S6)		Red Parent Ma	aterial (F2	21) (ML F	RA 145)		d hydrology must be present,	
Restrictive La	ayer (if observed):						uniess	disturbed or problematic.	
Type:	, ,								
Depth (inc	ches):						Hydric Soil Present	? Yes <u>X</u> No	
Remarks:							•		
1									
1									



Wetland P3-F - View facing north/northwest



Wetland P3-F - Soils

SITE PHOTOGRAPHS

Segment 4 and 5 – Package 3

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: CHPE - Package 3	(City/County: Northumbe	erland / Saratoga County	Sampling Date: 7-22-22			
Applicant/Owner: TDI			State: NY	Sampling Point: Upl_P3-F-7			
Investigator(s): C. Scrivner & J. Greaves		Section, Town	nship, Range:	<u> </u>			
Landform (hillside, terrace, etc.): Flat	Local re	elief (concave, convex,		Slope %: 0			
Subregion (LRR or MLRA): LRR R	Lat: 43.17858		73.67578	Datum: WGS 84			
Soil Map Unit Name: Oakville loamy fine sand			NWI classification:	NA Weest			
Are climatic / hydrologic conditions on the site		Yes X	— No (If no, e	explain in Remarks.)			
Are Vegetation , Soil , or Hydrole			I Circumstances" preser				
Are Vegetation, Soil, or Hydrole			explain any answers in I				
SUMMARY OF FINDINGS – Attach							
Hydrophytic Vegetation Present?	Yes No X	Is the Sampled Area					
	Yes No X	within a Wetland?	Yes	No X			
	Yes No X	If yes, optional Wetla					
Pine-norhern hardwood forest.							
HYDROLOGY							
Wetland Hydrology Indicators:		<u>S</u>		inimum of two required)			
Primary Indicators (minimum of one is require			Surface Soil Cracks				
Surface Water (A1)	Water-Stained Leaves (BS		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 (C	· —	· · · · · · · · · · · · · · · · · · ·				
Sediment Deposits (B2)	Oxidized Rhizospheres or	_					
Drift Deposits (B3)	Presence of Reduced Iron		Stunted or Stressed				
Algal Mat or Crust (B4)	Recent Iron Reduction in						
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)					
Inundation Visible on Aerial Imagery (B7)	· · ·	s)	Microtopographic Re				
Sparsely Vegetated Concave Surface (B8	3)		FAC-Neutral Test (D)5)			
Field Observations:	N- V Donth (inches):						
Surface Water Present? Yes	No X Depth (inches):						
Water Table Present? Yes Saturation Present? Yes	No X Depth (inches):		Hydrology Present?	Yes No X			
(includes capillary fringe)	NO A Deput (illolos).		nyurology i resem:	169 110 1			
Describe Recorded Data (stream gauge, mon	nitoring well, aerial photos, prev	vious inspections), if av	zailahle:				
Dodolino recorded Data (circum gauge,	moning won, donar priotos, p. 5.	nous mopositions, i. a.	allabio.				
Remarks:							

EGETATION – Use scientific names of pla				Sampling Point: Upl_P3-F-7		
Γ <u>ree Stratum</u> (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
. Pinus strobus	30	Yes	FACU	Number of Dominant Species		
2. Fagus grandifolia	20	Yes	FACU	That Are OBL, FACW, or FAC:1 (A)		
3. Quercus alba	20	Yes	FACU	Total Number of Dominant		
Acer rubrum	15	No	FAC	Species Across All Strata: 6 (B)		
5. Tsuga canadensis	5	No	FACU	Descent of Deminent Chasins		
S				Percent of Dominant Species That Are OBL, FACW, or FAC: 16.7% (A/B)		
7				Prevalence Index worksheet:		
	90	=Total Cover		Total % Cover of: Multiply by:		
Sapling/Shrub Stratum (Plot size: 15')		_		OBL species 0 x 1 = 0		
. Pinus strobus	40	Yes	FACU	FACW species 0 x 2 = 0		
2. Quercus alba	10	No	FACU	FAC species 36 x 3 = 108		
3. Fagus grandifolia	10	No	FACU	FACU species 176 x 4 = 704		
Ostrya virginiana	10	No	FACU	UPL species 0 x 5 = 0		
5. Acer rubrum	5	No	FAC	Column Totals: 212 (A) 812 (B)		
S		<u> </u>		Prevalence Index = B/A = 3.83		
·.				Hydrophytic Vegetation Indicators:		
	75	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
Herb Stratum (Plot size: 5')	- 10	- rotal covol		2 - Dominance Test is >50%		
. Aralia nudicaulis	15	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹		
2. Trientalis borealis	10	Yes	FAC	4 - Morphological Adaptations ¹ (Provide supportin		
3. Acer rubrum	6	No	FAC	data in Remarks or on a separate sheet)		
Ostrya virginiana	6	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)		
5. Quercus alba	5	No	FACU	<u> </u>		
5. Maianthemum canadense	5	No	FACU	 Indicators of hydric soil and wetland hydrology must present, unless disturbed or problematic. 		
7.				Definitions of Vegetation Strata:		
3.				Tree – Woody plants 3 in. (7.6 cm) or more in diamete		
9.				at breast height (DBH), regardless of height.		
10				Sapling/shrub – Woody plants less than 3 in. DBH		
11				and greater than or equal to 3.28 ft (1 m) tall.		
12	47	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.		
Noody Vine Stratum (Plot size: 30')		_ Total Cover		of size, and woody plants less than 5.20 it tall.		
·				Woody vines – All woody vines greater than 3.28 ft in height.		
				Holght.		
				Hydrophytic		
				Vegetation No. V		
1		T-1-1-0		Present? Yes No _X		
		=Total Cover				

SOIL Sampling Point: Upl_P3-F-7

Profile Descr	ription: (Describe to	the de	oth needed to docu	ment the	e indica	tor or co	nfirm the absence of indicators.)	
Depth	Matrix			x Feature				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture Remarks	
0-2	10YR 2/2	100					Peat	
2-3	10YR 3/1	100					Sandy	
3-16	10YR 3/6	95	10YR 4/3	5	D	M	Sandy	
							- <u></u>	
1							2	
Hydric Soil Ir	ncentration, D=Deple	tion, RIV	=Reduced Matrix, M	S=Mask	ed Sand	Grains.	² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric So	oile ³ ·
Histosol (Dark Surface (\$	S7)			2 cm Muck (A10) (LRR K, L, MLR	
	ipedon (A2)		Polyvalue Belo		ce (S8) (I	RR R,	Coast Prairie Redox (A16) (LRR K	
Black His			MLRA 149B)		() (,	5 cm Mucky Peat or Peat (S3) (LR	
Hydroger	n Sulfide (A4)		Thin Dark Surfa	ace (S9)	(LRR R	MLRA 1	49B) Polyvalue Below Surface (S8) (LR	R K, L)
Stratified	Layers (A5)		High Chroma S	Sands (S	11) (LRF	R K, L)	Thin Dark Surface (S9) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Mucky I	,	, ,	R K, L)	Iron-Manganese Masses (F12) (Li	
	rk Surface (A12)		Loamy Gleyed		- 2)		Piedmont Floodplain Soils (F19) (,
	odic (A17)		Depleted Matrix Redox Dark Su		·c/		Red Parent Material (F21) (outsid	e MLRA 145)
	A 144A, 145, 149B) ucky Mineral (S1)		Depleted Dark	•	•		Very Shallow Dark Surface (F22) Other (Explain in Remarks)	
	eyed Matrix (S4)		Redox Depress				Other (Explain in Remarks)	
Sandy Re			Marl (F10) (LR)	•	-,		³ Indicators of hydrophytic vegetation	on and
Stripped	Matrix (S6)		Red Parent Ma		21) (MLF	A 145)	wetland hydrology must be pres	
							unless disturbed or problematic.	
	ayer (if observed):							
Type:								
Depth (in	ches):						Hydric Soil Present? Yes	No <u>X</u>
Remarks:								



Upland P3-F - View facing south



Upland P3-F - Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Northumberland/ Saratoga Sampling Date: 11/30/21
Applicant/Owner: TDI	State: NY Sampling Point: c-R-AS-8 Wet
Investigator(s): N. Frazer, K. Weiskotten	Section, Township, Range:
- ' -	relief (concave, convex, none): concave Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43-10-37N	Long: 73-40-36W Datum: WGS 84
Soil Map Unit Name: Wareham loamy sand (Wa)	NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	bed? Are "Normal Circumstances" present? Yes x No
Are Vegetation, Soil, or Hydrologynaturally problems	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No Hydric Soil Present? Yes X No	Is the Sampled Area within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
Cattail marsh at the data point. Common reed marsh is adjacent.	
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)
X Surface Water (A1) Water-Stained Leaves (I	
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3)Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) X Hydrogen Sulfide Odor (· · · · · · · · · · · · · · · · · · ·
Sediment Deposits (B2) Oxidized Rhizospheres of the control of th	
Drift Deposits (B3) Presence of Reduced Iro	
Algal Mat or Crust (B4) Recent Iron Reduction in	·
Iron Deposits (B5) Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7)Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes x No Depth (inches):	: <u> </u>
Water Table Present? Yes x No Depth (inches):	: 0
Saturation Present? Yes x No Depth (inches):	:0 Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks: Adjacent to stream C-RS-OO.	
Aujacent to stream C-No-OO.	

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
1				Number of Dominant Species That Are OBL, FACW, or FAC:3(A)
3				Total Number of Dominant Species Across All Strata: 3 (B)
5.				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC: 100.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species 105 x 1 = 105
1. Spiraea tomentosa	15	Yes	FACW	FACW species 15 x 2 = 30
2.				FAC species 0 x 3 = 0
3.				FACU species 0 x 4 = 0
4.				UPL species 0 x 5 = 0
5.				Column Totals: 120 (A) 135 (B)
6.				Prevalence Index = B/A = 1.13
7.				Hydrophytic Vegetation Indicators:
	15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
Osmunda spectabilis	30	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
2. Carex lurida	25	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Scirpus cyperinus	20	No	OBL	data in Remarks or on a separate sheet)
4. Typha latifolia	15	No	OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Eutrochium maculatum	5	No	OBL	
6. Lycopus americanus	10	No	OBL	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				-
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12	105	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')		rotal covol		
· · · · · · · · · · · · · · · · · · ·				Woody vines – All woody vines greater than 3.28 ft in height.
				neight.
2				Hydrophytic
4.				Vegetation Present? Yes X No
* .		=Total Cover		rieseitt: Tes 🔨 NO
		- Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sneet.)			

Sampling Point: C-R-AS-8 Wet

Profile Desci	ription: (Describe t	o the dep	oth needed to docu	ment t	he indica	ator or c	onfirm the absence of	f indicators.)		
Depth	Matrix		Redox	(Featur	es					
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-9	10YR 2/1	100					Muck			
9-11	7.5YR 4/1	80	10YR 2/1	15	C	M	Sandy	Distinct redox concentrations		
			7.5YR 4/4	5	<u>C</u>	M		Distinct redox concentrations		
11-16	10YR 3/1	_50_	5YR 4/6	45	<u>C</u>	M	Sandy	Prominent redox concentrations		
			7.5yr 4/1	5	<u>D</u>	M				
								-		
¹ Type: C=Co	ncentration, D=Depl	etion RM	=Reduced Matrix M	 eeM=2l	ked Sand		² I ocation: P	L=Pore Lining, M=Matrix.		
Hydric Soil II		Ction, rtivi	-reduced Matrix, M	IO-IVIA3	ica Gane	J Clailis.		or Problematic Hydric Soils ³ :		
Histosol (? Polyvalue Belov	w Surfa	ce (S8) (LRR R.		ck (A10) (LRR K, L, MLRA 149B)		
X Histic Epi	•		, MLRA 149B)		(-/(,		rairie Redox (A16) (LRR K, L, R)		
X Black His			Thin Dark Surfa) (LRR R	, MLRA		cky Peat or Peat (S3) (LRR K, L, R)		
X Hydroger			—— High Chroma S				· —	e Below Surface (S8) (LRR K, L)		
Stratified	Layers (A5)		Loamy Mucky N	Mineral	(F1) (LR I	R K, L)	Thin Dark Surface (S9) (LRR K, L)			
? Depleted	Below Dark Surface	(A11)	Loamy Gleyed	Matrix (F2)		Iron-Manganese Masses (F12) (LRR K, L, R)			
Thick Da	rk Surface (A12)		Depleted Matrix	(F3)			Piedmont Floodplain Soils (F19) (MLRA 149B)			
Sandy Mi	ucky Mineral (S1)		Redox Dark Su	rface (F	6)		Mesic Spodic (TA6) (MLRA 144A, 145, 149B)			
Sandy Gl	eyed Matrix (S4)		Depleted Dark	Surface	e (F7)		Red Parent Material (F21)			
Sandy Re			Redox Depress	,	8)			allow Dark Surface (F22)		
l —	Matrix (S6)		Marl (F10) (LRI	R K , L)			Other (E	xplain in Remarks)		
Dark Surf	face (S7)									
31,	hdu.a.u.hdi.a									
	ayer (if observed):	on and w	etiand nydrology mu	st be pr	resent, ur	niess aisi	turbed or problematic.			
Type:	none	2								
-							Ukadaia Cail Bassasa	Was V Na		
Depth (in							Hydric Soil Preser	nt? Yes <u>X</u> No		
	n is revised from Noi 2015 Errata. (http://w							CS Field Indicators of Hydric Soils,		



Wetland C-R-AS-8- View facing west



Wetland C-R-AS-8- Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Northumberland/ Saratoga Sampling Date: 11/30/21
Applicant/Owner: TDI	State: NY Sampling Point: c-R-AS-8 Upl
Investigator(s): N. Frazer, K. Weiskotten	Section, Township, Range:
- ,	relief (concave, convex, none): none Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43-10-37N	Long: 73-40-36W Datum: WGS 84
Soil Map Unit Name: Wareham loamy fine sand (Wa)	NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydric Soil Present? Yes No X	within a Wetland? Yes No _X
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
Forested upland.	
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 (I	· · · · · · · · · · · · · · · · · · ·
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 (
Sediment Deposits (B2) Oxidized Rhizospheres	
Drift Deposits (B3) Presence of Reduced In	
Algal Mat or Crust (B4) Iron Deposits (B5) Recent Iron Reduction in Thin Muck Surface (C7)	· · · · · · · · · · · · · · · · · · ·
<u> </u>	
Inundation Visible on Aerial Imagery (B7)Other (Explain in Remar Sparsely Vegetated Concave Surface (B8)	rks) Microtopographic Relief (D4) FAC-Neutral Test (D5)
	AC-Neutral Test (D3)
Field Observations:	
Surface Water Present? Yes No x Depth (inches):	
Water Table Present? Yes No x Depth (inches): Saturation Present? Yes No x Depth (inches):	
Saturation Present? Yes No _x Depth (inches): (includes capillary fringe)	: Wetland Hydrology Present? Yes No _X_
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	l evious inspections) if available:
2555 No Freedrad 25th (etrodin gauge, memoring won, dental photos, pre	strode inopositions, in divalidation
Remarks:	

90 5	Species? Yes Yes Total Cover Yes No	FACU FACU FACU	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A) Total Number of Dominant Species Across All Strata: 5 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 40.0% (A/E) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 65 x 3 = 195 FACU species 88 x 4 = 352
90	Yes =Total Cover Yes	FACU	That Are OBL, FACW, or FAC: 2 (A) Total Number of Dominant Species Across All Strata: 5 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 40.0% (A/E Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 65 x 3 = 195 FACU species 88 x 4 = 352
90	=Total Cover	FACU	Total Number of Dominant Species Across All Strata: 5 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 40.0% (A/E Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 65 x 3 = 195 FACU species 88 x 4 = 352
30	Yes		Species Across All Strata: 5 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 40.0% (A/E Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 65 x 3 = 195 FACU species 88 x 4 = 352
30	Yes		Percent of Dominant Species That Are OBL, FACW, or FAC: 40.0% (A/E Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 65 x 3 = 195 FACU species 88 x 4 = 352
30	Yes		That Are OBL, FACW, or FAC: 40.0% (A/E) Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x1 = 0 FACW species 0 x2 = 0 FAC species 65 x3 = 195 FACU species 88 x4 = 352
30	Yes		Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 65 x 3 = 195 FACU species 88 x 4 = 352
30	Yes		Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 65 x 3 = 195 FACU species 88 x 4 = 352
30	Yes		OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 65 x 3 = 195 FACU species 88 x 4 = 352
			FACW species 0 x 2 = 0 FAC species 65 x 3 = 195 FACU species 88 x 4 = 352
			FAC species 65 x 3 = 195 FACU species 88 x 4 = 352
5	No	FAC	FACU species 88 x 4 = 352
			<u> </u>
			UPL species $0 \times 5 = 0$
			Column Totals: 153 (A) 547 (E
			Prevalence Index = B/A = 3.58
			Hydrophytic Vegetation Indicators:
 35	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
			2 - Dominance Test is >50%
5	No	FACII	3 - Prevalence Index is ≤3.0 ¹
			4 - Morphological Adaptations ¹ (Provide supporti
			data in Remarks or on a separate sheet)
15	res	FAC	
			Problematic Hydrophytic Vegetation ¹ (Explain)
			¹ 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 height (DBH), regardless of heigh
			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, regardles
28	=Total Cover		of size, and woody plants less than 3.28 ft tall.
			Woody vines – All woody vines greater than 3.28 ft
			height.
			Hydrophytic Vegetation
			Present? Yes No X
	=Total Cover		
heet)			
	28	8 Yes 15 Yes 28 =Total Cover =Total Cover	8 Yes FACU 15 Yes FAC 28 =Total Cover =Total Cover

Depth	cription: (Describe to Matrix	to the de		x Featur		tor or co	nfirm the absence of inc	ilicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-3	10YR 2/1	100					Sandy	with organics
3-6	10YR 3/3	100					Sandy	with organics
6-16	7.5YR 4/4	100					Sandy	
								_
¹ Type: C=Co	oncentration, D=Depl	etion, RM	1=Reduced Matrix, N	/IS=Mas	ked Sand	l Grains.	² Location: PL=P	ore Lining, M=Matrix.
Hydric Soil I	Indicators:							roblematic Hydric Soils ³ :
Histosol			Polyvalue Belo		ce (S8) (I	_RR R,		A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B	•				e Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surf		-		· —	Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4) I Layers (A5)		High Chroma S Loamy Mucky					elow Surface (S8) (LRR K, L) urface (S9) (LRR K, L)
	d Layers (A3) d Below Dark Surface	(A11)	Loamy Gleyed			Χ Ι Χ, L)		ese Masses (F12) (LRR K, L, R)
	ark Surface (A12)	, (, (, , , ,	Depleted Matri		· <i>-</i>)			podplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su		6)			c (TA6) (MLRA 144A, 145, 149B)
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Parent	Material (F21)
Sandy R	edox (S5)		Redox Depress	sions (F	8)			Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	RK,L)			Other (Expla	in in Remarks)
Dark Sur	rface (S7)							
3, ,, ,	.							
	f hydrophytic vegetati	ion and w	etiand nydrology mi	ıst be pr	esent, ur	ness aistu	rbed or problematic.	
Type:	Layer (if observed): non	e						
-							Undria Cail Brasant?	Van Na V
Depth (ir	iches).						Hydric Soil Present?	Yes No _X_
								ield Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://w	/ww.nrcs.	usda.gov/Internet/F	SE_DOO	CUMENT	S/nrcs142	p2_051293.docx)	



Upland C-R-AS-8- View facing west



Upland C-R-AS-8- Soils

SITE PHOTOGRAPHS

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: CHPE - Package 3	City/County: Northumberland / Saratoga County Sampling Date: 7-22-22
Applicant/Owner: TDI	State: NY Sampling Point: Wet_P3-G-4
Investigator(s): C. Scrivner & J. Greaves	Section, Township, Range:
	Local relief (concave, convex, none): Convave Slope %: 1
Subregion (LRR or MLRA): LRR R Lat: 43.17573	Long: -73.67838 Datum: WGS 84
	<u></u> <u></u>
Soil Map Unit Name: Wareham loamy sand (Wa)	NWI classification: PSS1
Are climatic / hydrologic conditions on the site typical for this time of year	ear? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly	disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrology naturally pro	oblematic? (If needed, explain any answers in Remarks.)
<u> </u>	sampling point locations, transects, important features, etc.
3	
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID: Near flag P3-G-4
Remarks: (Explain alternative procedures here or in a separate repo	rt.)
Shrub swamp.	
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) X Water-Stained Le	aves (B9) Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B	13) Moss Trim Lines (B16)
Saturation (A3)Marl Deposits (B1	· · · · · · · · · · · · · · · · · · ·
Water Marks (B1) Hydrogen Sulfide	Odor (C1) Crayfish Burrows (C8)
	heres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Redu	
	ction in Tilled Soils (C6) X Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface	e (C7) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in I	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
	nches):
Water Table Present? Yes No X Depth (in	nches):
Saturation Present? Yes No X Depth (in	iches): Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photo	os, previous inspections), if available:
D	
Remarks:	

ree Stratum (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
Fraxinus pennsylvanica	10	Yes	FACW	N. Jane (De mise of October
. Alnus incana	5	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC: 8 (A)
Pinus strobus	5	Yes	FACU	
				Total Number of Dominant Species Across All Strata: 12 (B)
				Percent of Dominant Species That Are OBL, FACW, or FAC: 66.7% (A/E
				Prevalence Index worksheet:
	20	=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size: 15')		•		OBL species 20 x 1 = 20
. Lyonia ligustrina	15	Yes	FACW	FACW species 115 x 2 = 230
. Alnus incana	10	Yes	FACW	FAC species 5 x 3 = 15
Fraxinus pennsylvanica	10	Yes	FACW	FACU species 40 x 4 = 160
. Rubus allegheniensis	10	Yes	FACU	UPL species 0 x 5 = 0
. Rubus idaeus	10	Yes	FACU	Column Totals: 180 (A) 425 (E
. Quercus bicolor	10	Yes	FACW	Prevalence Index = B/A = 2.36
Sassafras albidum	10	Yes	FACU	Hydrophytic Vegetation Indicators:
	75	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
lerb Stratum (Plot size: 5')		•		X 2 - Dominance Test is >50%
. Osmundastrum cinnamomeum	40	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
. Osmunda spectabilis	15	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting
. Eupatorium perfoliatum	5	No	FACW	data in Remarks or on a separate sheet)
. Euthamia graminifolia	5	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
. Spiraea alba	5	No	FACW	¹ Indicators of hydric soil and wetland hydrology must
Solidago gigantea	5	No	FACW	present, unless disturbed or problematic.
. Scirpus cyperinus	5	No	OBL	Definitions of Vegetation Strata:
. Rubus allegheniensis	5	No	FACU	Tree – Woody plants 3 in. (7.6 cm) or more in diamet
				at breast height (DBH), regardless of height.
0.				Sapling/shrub – Woody plants less than 3 in. DBH
1.				and greater than or equal to 3.28 ft (1 m) tall.
2.				Harb All borbossous (non woods) plants, regardles
	85	=Total Cover		Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.
Voody Vine Stratum (Plot size: 30')		•		Woody vines – All woody vines greater than 3.28 ft in
. <u></u>				height.
				Hydrophytic
				Vegetation Present? Yes X No
		=Total Cover		

SOIL Sampling Point: Wet_P3-G-4

		the de				or or co	nfirm the absence of i	ndicators.)			
Depth (inches)	Matrix	0/		x Feature		Loc ²	Toyturo	Domarko			
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	LOC	Texture	Remarks			
0-6	10YR 2/1	100					Peat	Organics			
6-16	10YR 5/1	70	10YR 2/2	10	<u>C</u>	<u>M</u>	Sandy	Distinct redox concentrations			
			7.5YR 4/6	20	С	M		Prominent redox concentrations			
								_			
			-					_			
1- 0.0							21	5			
Hydric Soil Ir		tion, RIV	=Reduced Matrix, M	S=Mask	ed Sand	Grains.		=Pore Lining, M=Matrix. r Problematic Hydric Soils ³ :			
Histosol (Dark Surface (\$	S7)				ck (A10) (LRR K, L, MLRA 149B)			
	pedon (A2)		Polyvalue Belov		e (S8) (L	RR R,		airie Redox (A16) (LRR K, L, R)			
Black His			MLRA 149B)		, , ,	·		cky Peat or Peat (S3) (LRR K, L, R)			
Hydrogen	Sulfide (A4)		Thin Dark Surfa	ace (S9)	(LRR R,	MLRA 1	49B) Polyvalue	e Below Surface (S8) (LRR K, L)			
Stratified	Layers (A5)		High Chroma S	ands (S	11) (LRF	k K, L)	Thin Dark	Surface (S9) (LRR K, L)			
	Below Dark Surface	(A11)	Loamy Mucky N			R K, L)		ganese Masses (F12) (LRR K, L, R)			
	k Surface (A12)		Loamy Gleyed		- 2)			t Floodplain Soils (F19) (MLRA 149B)			
	odic (A17)		Depleted Matrix		C)			ent Material (F21) (outside MLRA 145)			
	A 144A, 145, 149B) ucky Mineral (S1)		Redox Dark Su Depleted Dark					llow Dark Surface (F22) (plain in Remarks)			
	eyed Matrix (S4)		Redox Depress				Other (EX	piair in Nemarks)			
X Sandy Re	•		Marl (F10) (LR l	•	,		³ Indicator	s of hydrophytic vegetation and			
	Matrix (S6)		Red Parent Ma		21) (MLR	A 145)	wetland hydrology must be present,				
							unless	disturbed or problematic.			
Restrictive L	ayer (if observed):										
Type:											
Depth (in	ches):						Hydric Soil Present	t? Yes <u>X</u> No			
Remarks:											



Wetland P3-G - View facing north



Wetland P3-G - Soils

SITE PHOTOGRAPHS

Segment 4 and 5 – Package 3

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: CHPE - Package 3	City/Counf	ty: Northumberland / Saratoga County	Sampling Date: 7-22-22			
Applicant/Owner: TDI		State: NY	Sampling Point: Upl_P3-G-4			
Investigator(s): C. Scrivner & J. Greaves	S	ection, Township, Range:	_			
Landform (hillside, terrace, etc.): Flat		ave, convex, none): None	Slope %: 0			
	43.17568	Long: -73.67818	Datum: WGS 84			
· · · · · · · · · · · · · · · · · · ·	+3.17300					
Soil Map Unit Name: Wareham loamy sand (Wa)		NWI classification:	NA			
Are climatic / hydrologic conditions on the site typical for the	is time of year?	Yes X No (If no, e	explain in Remarks.)			
Are Vegetation, Soil, or Hydrology	significantly disturbed?	Are "Normal Circumstances" prese	nt? Yes X No			
Are Vegetation, Soil, or Hydrology	naturally problematic?	(If needed, explain any answers in	Remarks.)			
SUMMARY OF FINDINGS – Attach site map		int locations, transects, imp	portant features, etc.			
III to the following Down (Down (Dow	No. V. Louis 0					
Hydrophytic Vegetation Present? Yes		ampled Area	N. V			
Hydric Soil Present? Yes		Wetland? Yes	No X			
Wetland Hydrology Present? Yes	No X If yes, or	ptional Wetland Site ID:				
Remarks: (Explain alternative procedures here or in a se Rail ROW.						
L HYDROLOGY						
Wetland Hydrology Indicators:		Secondary Indicators (m	ninimum of two required)			
Primary Indicators (minimum of one is required; check all	that apply)	Surface Soil Cracks				
	-Stained Leaves (B9)	Drainage Patterns (, ,			
<u> </u>	c Fauna (B13)	Moss Trim Lines (B16)				
	eposits (B15)	Dry-Season Water Table (C2)				
 -	gen Sulfide Odor (C1)	Crayfish Burrows (C				
	ed Rhizospheres on Living Ro		n Aerial Imagery (C9)			
	nce of Reduced Iron (C4)	Stunted or Stressed				
	t Iron Reduction in Tilled Soils		` '			
	luck Surface (C7)	Shallow Aquitard (D	, ,			
	(Explain in Remarks)	Microtopographic R				
Sparsely Vegetated Concave Surface (B8)		FAC-Neutral Test (
Field Observations:						
Surface Water Present? Yes No _X	Depth (inches):					
Water Table Present? Yes No X						
Saturation Present? Yes No X	Depth (inches):	Wetland Hydrology Present?	Yes No X			
(includes capillary fringe)	,	,				
Describe Recorded Data (stream gauge, monitoring well,	aerial photos, previous inspe	ctions), if available:				
Remarks:						
Nomarks.						

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1.	70 0010.	орос.ос.	Oldido	
2.				Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
3. 4.				Total Number of Dominant Species Across All Strata:3(B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species 0 x 1 = 0
1.		<u> </u>		FACW species 5 x 2 = 10
2.				FAC species 0 x 3 = 0
3.				FACU species 75 x 4 = 300
4.				UPL species 0 x 5 = 0
5.				Column Totals: 80 (A) 310 (B)
6.				Prevalence Index = B/A = 3.88
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Aralia nudicaulis	30	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Lotus corniculatus	25	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
Oenothera biennis	10	No	FACU	data in Remarks or on a separate sheet)
Onoclea sensibilis	5	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Quercus alba	5	No	FACU	_
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				_
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
· · · · · · · · · · · · · · · · · · ·	75	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')		-10100 0212		
1. Celastrus orbiculatus	5	Yes	FACU	Woody vines – All woody vines greater than 3.28 ft in height.
2.				1100
3.				Hydrophytic
4.				Vegetation Present? Yes No X
	5	=Total Cover		
Remarks: (Include photo numbers here or on a separa				
Tromano. (morado prioto mamboro mero en en el espera	x10 0.100,			

Sampling Point: Upl_P3-G-4

SOIL Sampling Point: Upl_P3-G-4

Depth	ription: (Describe to Matrix	the dept		ment th c Featur		or or co	nfirm the absence	of indicato	ors.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Rema	rks
0-16	10YR 2/1	100					Sandy	F	Rock/ballasat/	fill material
								·		
								-		
										_
								-		
¹ Type: C=Cc	oncentration, D=Deplet	tion, RM=l	Reduced Matrix, MS	S=Mask	ed Sand	Grains.	² Location:	PL=Pore	_ining, M=Ma	trix.
Hydric Soil I									ematic Hydri	
Histosol	(A1)	_	Dark Surface (S	S7)			2 cm	Muck (A10)	(LRR K, L, I	MLRA 149B)
Histic Ep	ipedon (A2)	_	Polyvalue Belov		ce (S8) (L	.RR R,	Coast	Prairie Re	dox (A16) (LF	RR K, L, R)
Black His	` '		MLRA 149B)							(LRR K, L, R)
· ·	n Sulfide (A4)	_	Thin Dark Surfa	, ,			· —		Surface (S8)	, ,
	Layers (A5)	-	High Chroma S						e (S9) (LRR	
	Below Dark Surface (rk Surface (A12)	A11) _	Loamy Mucky N Loamy Gleyed			(K, L)		-		() (LRR K, L, R)
	oodic (A17)	-	Depleted Matrix	,	-2)					9) (MLRA 149B) itside MLRA 145)
	A 144A, 145, 149B)	-	Redox Dark Su	. ,	6)				rk Surface (F	
	ucky Mineral (S1)	_	Depleted Dark					(Explain in		
	leyed Matrix (S4)	_	Redox Depress					(,	
	edox (S5)		Marl (F10) (LRI	R K, L)			³ Indica	ators of hyd	drophytic vege	etation and
Stripped	Matrix (S6)	_	Red Parent Ma	terial (F2	21) (MLR	A 145)	wet	land hydrol	ogy must be	present,
							unle	ess disturbe	ed or problem	atic.
	.ayer (if observed):									
Type:										
Depth (in	nches):						Hydric Soil Pres	sent?	Yes	No X
Remarks:										



Upland P3-G - View facing north



Upland P3-G - Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Northumberland/ Saratoga Sampling Date: 11/30/21					
Applicant/Owner: TDI	State: NY Sampling Point: c-R-AR-1 Wet					
Investigator(s): N. Frazer, K. Weiskotten	Section, Township, Range:					
Landform (hillside, terrace, etc.): depression Local	relief (concave, convex, none): concave Slope %: 0					
Subregion (LRR or MLRA): LRR R Lat: 43-10-28N	Long: 73-40-45W Datum: WGS 84					
Soil Map Unit Name: Deerfield loamy fine sand (DeA)	NWI classification: PEM					
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)					
Are Vegetation, Soil, or Hydrology significantly distur						
Are Vegetation , Soil , or Hydrology naturally problems						
SUMMARY OF FINDINGS – Attach site map showing sam						
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area					
Hydric Soil Present? Yes X No	within a Wetland? Yes X No					
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:					
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 (· ·					
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 (· · · · · · · · · · · · · · · · · · ·					
Sediment Deposits (B2) Oxidized Rhizospheres						
Presence of Reduced In	<u> </u>					
Algal Mat or Crust (B4) Recent Iron Reduction in This Music Surface (G7)	. , , ,					
Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3)						
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	<u> </u>					
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)					
Field Observations:						
Surface Water Present? Yes No _x Depth (inches).						
Water Table Present? Yes No _x Depth (inches)						
Saturation Present? Yes x No Depth (inches)	E 8 Wetland Hydrology Present? Yes X No					
(includes capillary fringe)						
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:					
Remarks:						

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1				Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)			
2				That Are OBL, I ACW, OF FAC.			
4.				Total Number of Dominant Species Across All Strata: 3 (B)			
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 66.7% (A/B)			
7.				Prevalence Index worksheet:			
		=Total Cover		Total % Cover of: Multiply by:			
Sapling/Shrub Stratum (Plot size:15')				OBL species15 x 1 =15			
Spiraea tomentosa	5	Yes	FACW	FACW species 95 x 2 = 190			
2. Pinus strobus	2	Yes	FACU	FAC species0 x 3 =0			
3.				FACU species 2 x 4 = 8			
4.				UPL species 0 x 5 = 0			
5.				Column Totals: 112 (A) 213 (B)			
6.				Prevalence Index = B/A = 1.90			
7.				Hydrophytic Vegetation Indicators:			
	7	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 5')		•		X 2 - Dominance Test is >50%			
1. Onoclea sensibilis	90	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹			
2. Carex stricta	15	No No	OBL	4 - Morphological Adaptations ¹ (Provide supporting			
2				data in Remarks or on a separate sheet)			
4.				Problematic Hydrophytic Vegetation ¹ (Explain)			
5.6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
7.				Definitions of Vegetation Strata:			
8. 9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.			
10.				Sapling/shrub – Woody plants less than 3 in. DBH			
11.	-			and greater than or equal to 3.28 ft (1 m) tall.			
12	105	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.			
Woody Vine Stratum (Plot size:30')				Woody vines – All woody vines greater than 3.28 ft in			
1				height.			
2.							
3.				Hydrophytic Vegetation			
4	-			Present?			
		=Total Cover					
Remarks: (Include photo numbers here or on a sepa	rate sheet.)						

Sampling Point: C-R-AR-1 Wet

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)									
Depth	Matrix		Redox	Featur	es				
(inches)	Color (moist)	%	Color (moist)	%_	Type ¹	Loc ²	Texture	Remarks	
0-7	10YR 2/1	95	7.5YR 3/4	5	C	M	Sandy	Prominent redox concentrations	
7-11	7.5YR 2.5/1	60	7.5YR 3/4	40	<u>C</u>	M	Sandy	Distinct redox concentrations	
11-18	7.5YR 3/2	67	7.5YR 4/6	_20_	<u> </u>	<u>M</u>	Sandy	Prominent redox concentrations	
			7.5YR 3/4	5	<u>C</u>	M		Distinct redox concentrations	
			10YR 2/1	8	<u> </u>	M		Faint redox concentrations	
	ncentration, D=Deple	etion, RM	=Reduced Matrix, M	S=Mas	ked Sand	d Grains.		L=Pore Lining, M=Matrix.	
Hydric Soil I								or Problematic Hydric Soils ³ :	
— Histosol (•		Polyvalue Belov		ce (S8) (I	LRR R,		ick (A10) (LRR K, L, MLRA 149B)	
	pedon (A2)		MLRA 149B)					rairie Redox (A16) (LRR K, L, R)	
Black His			? Thin Dark Surfa				· —	icky Peat or Peat (S3) (LRR K, L, R)	
	Sulfide (A4)		— High Chroma S	-				e Below Surface (S8) (LRR K, L)	
	Layers (A5)		Loamy Mucky N			R K , L)		k Surface (S9) (LRR K, L)	
	Below Dark Surface	(A11)	Loamy Gleyed		F2)		Iron-Manganese Masses (F12) (LRR K, L, R)		
Thick Dark Surface (A12) Depleted Matrix (F3)					Piedmont Floodplain Soils (F19) (MLRA 149B)				
	Sandy Mucky Mineral (S1) Redox Dark Surface (F6)					Mesic Spodic (TA6) (MLRA 144A, 145, 149B)			
I —	Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7)					Red Parent Material (F21)			
X Sandy Re	` '		Redox Depress	,	8)		Very Shallow Dark Surface (F22)		
Stripped	Matrix (S6) Marl (F10) (LRR K, L)					Other (Explain in Remarks)			
?_ Dark Sur	face (S7)								
³ Indicators of	hydrophytic vegetation	on and w	etland hydrology mu	st be pr	esent, ur	nless dist	turbed or problematic.		
	ayer (if observed):								
Type: _	none	•							
Depth (in	ches):						Hydric Soil Preser	nt? Yes X No	
Remarks:									
								CS Field Indicators of Hydric Soils,	
Version 7.0, 2	2015 Errata. (http://w	ww.nrcs.	usda.gov/Internet/FS	SE_DOC	CUMENT	S/nrcs14	2p2_051293.docx)		



Wetland C-R-AR-1- View facing west



Wetland C-R-AR-1- Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Northumberland/ Saratoga Sampling Date: 11/30/21
Applicant/Owner: TDI	State: NY Sampling Point: c-R-AR-1 Upi
Investigator(s): N. Frazer, K. Weiskotten	Section, Township, Range:
	relief (concave, convex, none): none Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43-10-45W	Long: 73-40-45W Datum: WGS 84
Soil Map Unit Name: Deerfield loamy fine sand (DeA)	NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydric Soil Present? Yes No X	within a Wetland? Yes No _X
Wetland Hydrology Present? Yes No _X	If yes, optional Wetland Site ID:
Forested upland.	
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 (· · · · · · · · · · · · · · · · · · ·
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 (
Sediment Deposits (B2) Oxidized Rhizospheres	
Presence of Reduced In	
Algal Mat or Crust (B4) — Recent Iron Reduction in	· · · · · · · · · · · · · · · · · · ·
Iron Deposits (B5) — Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No _x Depth (inches).	
Water Table Present? Yes No x Depth (inches)	
Saturation Present? Yes No _x Depth (inches)	: Wetland Hydrology Present? Yes No _X
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Deventor	
Remarks:	

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Fagus grandifolia	5	No	FACU	
2. Pinus strobus	30	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
3. Tsuga canadensis	40	Yes	FACU	
4.		·		Total Number of Dominant Species Across All Strata: 5 (B)
5.				`, /
6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 20.0% (A/B)
7.				Prevalence Index worksheet:
	75	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')		•		OBL species 0 x 1 = 0
1. Fagus grandifolia	45	Yes	FACU	FACW species 0 x 2 = 0
2.				FAC species 5 x 3 = 15
3.				FACU species 131 x 4 = 524
4.				UPL species 0 x 5 = 0
5.				Column Totals: 136 (A) 539 (B)
6.				Prevalence Index = B/A = 3.96
7.				Hydrophytic Vegetation Indicators:
	45	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Dendrolycopodium dendroideum	3	No	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Athyrium angustum	5	Yes	FAC	4 - Morphological Adaptations ¹ (Provide supporting
3. Mitchella repens	8	Yes	FACU	data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				Indicators of hydric call and wattend hydrology must
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree Weedy plants 2 in 776 cm) or more in
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				Sapling/shrub – Woody plants less than 3 in. DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
	16	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft in
1.				height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet.)			

Sampling Point: C-R-AR-1 Upl

Profile Desc Depth	ription: (Describe t Matrix	o the de	-	ument t l x Featur		ator or co	onfirm the absence of indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture Remarks
0-1	10YR 2/2	100			1900		Peat
1-5	10YR 2/1	100					Sandy
5-6	7.5YR 3/3	100					Sandy
6-17	7.5YR 3/4	100					Sandy
			-				
¹ Type: C=Co	oncentration, D=Depl	etion, RN		 ∕S=Mas	ked Sand	Grains.	² Location: PL=Pore Lining, M=Matrix.
Hydric Soil I		,	,				Indicators for Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (LRR R,	2 cm Muck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B	•			Coast Prairie Redox (A16) (LRR K, L, R)
Black His			Thin Dark Surf				
	n Sulfide (A4) I Layers (A5)		High Chroma S Loamy Mucky				Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L)
	l Layers (A5) I Below Dark Surface	(A11)	Loamy Gleyed			K K, L)	Iron-Manganese Masses (F12) (LRR K, L, R)
	ark Surface (A12)	(7(1)	Depleted Matri		1 2)		Piedmont Floodplain Soils (F19) (MLRA 149B
	lucky Mineral (S1)		Redox Dark Su		6)		Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark				Red Parent Material (F21)
Sandy R	edox (S5)		Redox Depres	sions (F	8)		Very Shallow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explain in Remarks)
Dark Sur	face (S7)						
³ Indicators of	f hydrophytic vegetati	on and v	vetland hydrology mu	ust be pr	resent, ur	nless distu	urbed or problematic.
	_ayer (if observed):		, 0,	·			
Type:	none	е					
Depth (ir	nches):						Hydric Soil Present? Yes No X
Remarks: This data for	m is revised from No	rthcentra	I and Northeast Reg	ional Su	pplemen	t Version	2.0 to include the NRCS Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://w	ww.nrcs	usda.gov/Internet/F	SE_DOO	CUMENT	S/nrcs142	2p2_051293.docx)



Upland C-R-AR-1- View facing west



Upland C-R-AR-1- Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Northumberland/ Saratoga Sampling Date: 11/30/21
Applicant/Owner: TDI	State: NY Sampling Point: c-R-AQ-1 Wet
Investigator(s): N. Frazer, K. Weiskotten	Section, Township, Range:
- ' -	relief (concave, convex, none): concave Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43-10-27N	Long: 73-40-46W Datum: WGS 84
Soil Map Unit Name: Deerfeild loamy fine sand (DeA)	NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	rbed? Are "Normal Circumstances" present? Yes x No
Are Vegetation, Soil, or Hydrology naturally problems	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	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)
X Surface Water (A1) X Water-Stained Leaves (I	B9) Drainage Patterns (B10)
X 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 (· · · · · · · · · · · · · · · · · · ·
Sediment Deposits (B2) Oxidized Rhizospheres of	on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced Iro	
Algal Mat or Crust (B4) Recent Iron Reduction ir	
Iron Deposits (B5) Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes x No Depth (inches):	: 2
Water Table Present? Yes x No Depth (inches):	: <u> </u>
Saturation Present? Yes x No Depth (inches):	:0 Wetland Hydrology Present? Yes _X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	
Inundated area.	

Tree Otreture (Districts 200)	Absolute	Dominant	Indicator	Barriera Tarturada bart
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
1. Acer rubrum	15	Yes	FAC	Number of Dominant Species
2. Ulmus americana	8	Yes	FACW	That Are OBL, FACW, or FAC:4 (A)
3				Total Number of Dominant
4				Species Across All Strata: 4 (B)
5				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC:100.0%(A/B)
7				Prevalence Index worksheet:
	23	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species 0 x 1 = 0
1. Quercus bicolor	5	Yes	FACW	FACW species 93 x 2 = 186
2.				FAC species 15 x 3 = 45
3.				FACU species 0 x 4 = 0
1				UPL species 0 x 5 = 0
5.				Column Totals: 108 (A) 231 (B)
				Prevalence Index = B/A = 2.14
7.				Hydrophytic Vegetation Indicators:
<i>'</i>	5	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Harlo Christiana (Dishaina)		- Total Cover		I —
Herb Stratum (Plot size: 5')	70		E4 014/	X 2 - Dominance Test is >50%
1. Onoclea sensibilis	70	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
2. Carex intumescens	10	No	FACW_	4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
3.				
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5				¹ Indicators of hydric soil and wetland hydrology must
6				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
9				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12.		· .		Herb – All herbaceous (non-woody) plants, regardless
	80	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')		•		Washings Allowards are assets the real 200 ft in
1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic
4				Vegetation Present? Yes X No
4.		=Total Cover		
Demantica: (Include whate numbers here or an a const	esta abaat \			
Remarks: (Include photo numbers here or on a separ	ale sneel.)			

Sampling Point: C-R-AQ-1 Wet

Depth	Matrix		Redo	x Featur						
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-10	10YR 2/1	100					Mucky Sand			
10-13	7.5YR 4/2	85	10YR 5/1	10	D	M	Sandy			
			10YR 2/1	5	C	M		Distinct redox concentrations		
13-17	10YR 3/6	72	7.5YR 2.5/3	20	C	M	Sandy	Prominent redox concentrations		
			7.5YR 4/6	8	C	_M_		Faint redox concentrations		
							_			
1= 0.0							2			
Hydric Soil	oncentration, D=Depl	etion, RM	=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.		PL=Pore Lining, M=Matrix. for Problematic Hydric Soils ³ :		
Histosol			Polyvalue Belo	w Surfa	ce (S8) (LRR R,		uck (A10) (LRR K, L, MLRA 149B)		
	pipedon (A2)		MLRA 149B		(- / (,		Prairie Redox (A16) (LRR K, L, R)		
Black Hi	stic (A3)		Thin Dark Surf	ace (S9) (LRR R	, MLRA 1	49B) 5 cm M	ucky Peat or Peat (S3) (LRR K, L, R)		
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	611) (LRI	R K, L)	Polyvalı	ue Below Surface (S8) (LRR K, L)		
	Layers (A5)		Loamy Mucky			R K , L)		rk Surface (S9) (LRR K, L)		
	Below Dark Surface	e (A11)	Loamy Gleyed		F2)			nganese Masses (F12) (LRR K, L, R)		
	ark Surface (A12) lucky Mineral (S1)		Depleted Matri Redox Dark St	` '	·6)			nt Floodplain Soils (F19) (MLRA 149B)		
	sleyed Matrix (S4)		Depleted Dark		-		Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (F21)			
	ledox (S5)		Redox Depres				Very Shallow Dark Surface (F22)			
_	Matrix (S6)		 Marl (F10) (LR		,		Other (Explain in Remarks)			
? Dark Sui	rface (S7)									
3										
	hydrophytic vegetati Layer (if observed):	ion and w	etland hydrology mi	ust be pi	resent, ui	nless disti	urbed or problematic.			
Type:	non	e								
Depth (ir							Hydric Soil Prese	ent? Yes X No		
							Trydric Con Trese	163 <u>X</u> 100		
Remarks:	m is revised from No	rthcentral	and Northeast Red	ional Su	nnlemen	t Version	2.0 to include the NR	CS Field Indicators of Hydric Soils,		
	2015 Errata. (http://w							oo i lola malaatala ai riyana oolia,		
	, .		-	_			. –			



Wetland C-R-AQ-1- View facing northeast



Wetland C-R-AQ-1- Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Northumberland/ Saratoga Sampling Date: 11/30/21
Applicant/Owner: TDI	State: NY Sampling Point: c-R-AQ-1 Upl
Investigator(s): N. Frazer, K. Weiskotten	Section, Township, Range:
Landform (hillside, terrace, etc.): flat Local	relief (concave, convex, none): none Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43-10-27N	Long: 73-40-46W Datum: WGS 84
Soil Map Unit Name: Deerfield loamy fine sand (DeA)	NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation , Soil , or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	npling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes No X Hydric Soil Present? Yes No X Wetland Hydrology Present? Yes No X	Is the Sampled Area within a Wetland? Yes No _X If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.) Forested upland.	
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 (· · · · · · · · · · · · · · · · · · ·
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 (· · · · · · · · · · · · · · · · · · ·
Sediment Deposits (B2) Oxidized Rhizospheres	——————————————————————————————————————
Drift Deposits (B3) Presence of Reduced In	
Algal Mat or Crust (B4) Recent Iron Reduction in	. , , , ,
Iron Deposits (B5) Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No _x Depth (inches):	:
Water Table Present? Yes No _x Depth (inches)	:
Saturation Present? Yes No _x Depth (inches)	: Wetland Hydrology Present? Yes No _X
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	
1	

	Absolute	Dominant	Indicator	
ree Stratum (Plot size:30')	% Cover	Species?	Status	Dominance Test worksheet:
Tsuga canadensis	15	No	FACU_	Number of Dominant Species
Pinus strobus	65	Yes	<u>FACU</u>	That Are OBL, FACW, or FAC: (A)
Quercus rubra	10	<u>No</u>	<u>FACU</u>	Total Number of Dominant
				Species Across All Strata: 5 (B)
				Percent of Dominant Species
				That Are OBL, FACW, or FAC: 0.0% (A/E
				Prevalence Index worksheet:
	90	=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size: 15'))			OBL species0 x 1 =0
Pinus strobus	10	Yes	FACU	FACW species 0 x 2 = 0
Fagus grandifolia	8	Yes	FACU	FAC species 0 x 3 = 0
Quercus rubra	2	No	FACU	FACU species 120 x 4 = 480
	-			UPL species 0 x 5 = 0
				Column Totals: 120 (A) 480 (E
	-			Prevalence Index = B/A = 4.00
				Hydrophytic Vegetation Indicators:
	20	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
erb Stratum (Plot size: 5')		·		2 - Dominance Test is >50%
Mitchella repens	8	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
•	2			4 - Morphological Adaptations ¹ (Provide supporti
Pinus strobus		Yes	<u>FACU</u>	data in Remarks or on a separate sheet)
				Problematic Hydrophytic Vegetation ¹ (Explain)
·		·		¹ 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 height (DBH), regardless of heigh
)				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, regardles
	10	=Total Cover		of size, and woody plants less than 3.28 ft tall.
oody Vine Stratum (Plot size:))			Woody vines – All woody vines greater than 3.28 ft
				height.
				Hydrophytic Vegetation
				Present? Yes No X
		-Tatal Cause		
		=Total Cover		

Profile Desc	cription: (Describe t	o the de				tor or co	onfirm the absence of indicators.)
Depth	Matrix			k Featur			
(inches)	Color (moist)		Color (moist)		Type ¹	Loc ²	Texture Remarks
0-2	10YR 2/2	100					Peat
2-4	10YR 2/2	100					Sandy
4-6	10YR 3/3	100					Sandy
6-17	7.5YR 4/6	100					Sandy
1 _{Type:} C=C			4-Paduaad Matrix N		——		² Location: PL=Pore Lining, M=Matrix.
Hydric Soil	oncentration, D=Deple	ellon, Riv	i-Reduced Matrix, N	15-IVIASI	keu Sand	Grains.	Indicators for Problematic Hydric Soils ³ :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	2 cm Muck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B		() (,	Coast Prairie Redox (A16) (LRR K, L, R)
	stic (A3)		Thin Dark Surfa	•	(LRR R	, MLRA 1	
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	311) (LR F	R K, L)	Polyvalue Below Surface (S8) (LRR K, L)
Stratified	l Layers (A5)		Loamy Mucky	Mineral	(F1) (LR I	R K, L)	Thin Dark Surface (S9) (LRR K, L)
Depleted	d Below Dark Surface	(A11)	Loamy Gleyed	Matrix (F2)		Iron-Manganese Masses (F12) (LRR K, L, R)
Thick Da	ark Surface (A12)		Depleted Matri	x (F3)			Piedmont Floodplain Soils (F19) (MLRA 149B
	lucky Mineral (S1)		Redox Dark Su				Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark				Red Parent Material (F21)
	edox (S5)		Redox Depress		8)		Very Shallow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (Explain in Remarks)
Dark Su	rface (S7)						
³ Indicators o	f hydrophytic vegetati	on and w	vetland hydrology mu	ıst be pr	esent, ur	nless dist	turbed or problematic.
	Layer (if observed):						
Type:	none	9					
Depth (ir	nches):						Hydric Soil Present? Yes No _X
Remarks:							
	m is revised from Noi 2015 Errata. (http://w						n 2.0 to include the NRCS Field Indicators of Hydric Soils,
V 61 51011 7.0,	2015 Effata. (Http://w	ww.iiics.	usua.gov/internet/1	JL_DOC	OWILINI	0/1110314/	FZPZ_001Z90.000X)



Upland C-R-AQ-1- View facing west



Upland C-R-AQ-1- Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Wilton/ Saratoga Sampling Date: 11/30/21
Applicant/Owner: TDI	State: NY Sampling Point: c-R-AP-1 Wet
Investigator(s): N. Frazer, K. Weiskotten	Section, Township, Range:
• ,	relief (concave, convex, none): concave Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43-10-18N	Long: 73-40-55W Datum: WGS 84
Soil Map Unit Name: Oakville loamy fine sand, undulating (OaB)	NWI classification: PEM
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	rbed? Are "Normal Circumstances" present? Yes x No
Are Vegetation, Soil, or Hydrologynaturally problems	atic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	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)
X Surface Water (A1) X Water-Stained Leaves (I	
X 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 of	on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduced Iro	on (C4) Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reduction in	n Tilled Soils (C6) X Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes x No Depth (inches):	:0.25
Water Table Present? Yes x No Depth (inches):	: 0
Saturation Present? Yes x No Depth (inches):	: 0 Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	
Some areas are inundated.	

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Ulmus americana	10	Yes	FACW	
Acer rubrum	8	Yes	FAC	Number of Dominant Species That Are OBL, FACW, or FAC:3(A)
3				Total Number of Dominant Species Across All Strata:3(B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.				Prevalence Index worksheet:
	18	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15')				OBL species 10 x 1 = 10
1.				FACW species 75 x 2 = 150
2.				FAC species 8 x 3 = 24
3.				FACU species 0 x 4 = 0
4.				UPL species 0 x 5 = 0
5.				Column Totals: 93 (A) 184 (B)
6.				Prevalence Index = B/A = 1.98
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
1. Lysimachia nummularia	5	No	FACW	X 3 - Prevalence Index is ≤3.0 ¹
Onoclea sensibilis	60	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
3. Carex stricta	10	No	OBL	data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				
6				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8.				
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12	 75	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				
· · · · · · · · · · · · · · · · · · ·				Woody vines – All woody vines greater than 3.28 ft in height.
				- roigini
2				Hydrophytic
1				Vegetation Present? Yes X No
-		=Total Cover		Tresent: Tes X
Demonstrate (Include wheth must have been as an access	-414\	- Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sneet.)			

Sampling Point: C-R-AP-1 Wet

Profile Desc	ription: (Describe	to the dep	oth needed to docu	ument t	he indica	tor or co	onfirm the absence of	f indicators.)		
Depth	Matrix		Redo	x Featur	es					
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks		
0-9	10YR 2/1	100					Muck			
9-14	10YR 4/1	57	10YR 4/6	25	<u>C</u>	M	Sandy	Prominent redox concentrations		
			10YR 2/1	8	<u>C</u>	M		Faint redox concentrations		
			7.5YR 3/4	10	<u> </u>	M		Prominent redox concentrations		
	oncentration, D=Depl	letion, RM	=Reduced Matrix, N	/IS=Mas	ked Sand	l Grains.		PL=Pore Lining, M=Matrix.		
Hydric Soil I			2. Dolynyolyo Polo	w Surfo	00 (80) (1	DD D		or Problematic Hydric Soils ³ :		
Histosol X Histic Ep			Polyvalue Belo		ce (36) (I	LKK K,		uck (A10) (LRR K, L, MLRA 149B)		
X Black His			Thin Dark Surf	,	(I PP P	MI DA 1		rairie Redox (A16) (LRR K, L, R) ucky Peat or Peat (S3) (LRR K, L, R)		
	n Sulfide (A4)		High Chroma S				· —	ue Below Surface (S8) (LRR K, L)		
	l Layers (A5)	o (A11)	Loamy Mucky			K K, L)	Thin Dark Surface (S9) (LRR K, L)			
<u> </u>	Below Dark Surface	e (A11)	Loamy Gleyed		F2)		Iron-Manganese Masses (F12) (LRR K, L, R)			
	irk Surface (A12)		Depleted Matri		-0)		Piedmont Floodplain Soils (F19) (MLRA 149B)			
	lucky Mineral (S1)		Redox Dark Su	,	,		Mesic Spodic (TA6) (MLRA 144A, 145, 149B)			
I — '	leyed Matrix (S4)		Depleted Dark				Red Parent Material (F21)			
	edox (S5)		Redox Depres		8)		Very Shallow Dark Surface (F22)			
	Matrix (S6)		Marl (F10) (LR	RK,L)			Other (Explain in Remarks)			
Dark Sur	face (S7)									
³ Indicators of	hydrophytic vegetat	tion and w	etland hydrology mu	ust be pr	esent, ur	nless dist	urbed or problematic.			
	ayer (if observed):									
Type:	non	ne								
Depth (in	nches):						Hydric Soil Prese	nt? Yes <u>X</u> No		
Remarks:										
								CS Field Indicators of Hydric Soils,		
Version 7.0, 2	2015 Errata. (http://v	www.nrcs.u	usda.gov/Internet/F	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)			
I										



Wetland C-R-AP-1- View facing southwest



Wetland C-R-AP-1- Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Wilton/ Saratoga Sampling Date: 11/30/21
Applicant/Owner: TDI	State: NY Sampling Point: c-R-AP-1 Upi
Investigator(s): N. Frazer, K. Weiskotten	Section, Township, Range:
	relief (concave, convex, none): none Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43-10-18N	Long: 73-40-55W Datum: WGS 84
Soil Map Unit Name: Oakville loamy fine sand, undulating (OaB)	NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydric Soil Present? Yes No X	within a Wetland? Yes No _X
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
Forested upland.	
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 (· · · · · · · · · · · · · · · · · · ·
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	
Sediment Deposits (B2) Oxidized Rhizospheres Oxidized Rhizospheres	
Drift Deposits (B3) Presence of Reduced Ir	
Algal Mat or Crust (B4) Iron Deposits (B5) Recent Iron Reduction in Thin Muck Surface (C7)	
<u> </u>	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remain Sparsely Vegetated Concave Surface (B8)	rks) Microtopographic Relief (D4) FAC-Neutral Test (D5)
	Ac-Neutral Test (D3)
Field Observations:	
Surface Water Present? Yes No x Depth (inches)	
Water Table Present? Yes No x Depth (inches) Saturation Present? Yes No x Depth (inches)	
Saturation Present? Yes No _x Depth (inches) (includes capillary fringe)	: Wetland Hydrology Present? Yes No _X_
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections) if available:
Describe Necorded Bata (stream gauge, monitoring well, acrial photos, pro	svious inspections), it available.
Remarks:	

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
Hamamelis virginiana	20	Yes	FACU	Dominance Test worksheet.
2. Pinus strobus	10	No	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)
Ostrya virginiana	65	Yes	FACU	
Carpinus caroliniana	5	No	FAC	Total Number of Dominant Species Across All Strata: 6 (B)
5.				`` /
6				Percent of Dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
7.				Prevalence Index worksheet:
	100	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15')				OBL species0 x 1 =0
1. Hamamelis virginiana	30	Yes	FACU	FACW species0 x 2 =0
2. Fagus grandifolia	2	No	FACU	FAC species 5 x 3 = 15
3. Pinus strobus	2	No	FACU	FACU species144 x 4 =576
4. Tsuga canadensis	10	Yes	FACU	UPL species0 x 5 =0
5.				Column Totals: 149 (A) 591 (B)
6.				Prevalence Index = B/A = 3.97
7.				Hydrophytic Vegetation Indicators:
	44	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
1. Pinus strobus	2	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Mitchella repens	3	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3.				data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.		. <u></u>		Tree – Woody plants 3 in. (7.6 cm) or more in
9		·		diameter at breast height (DBH), regardless of height.
11		·		Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
	5	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30')				Woody vines – All woody vines greater than 3.28 ft in
1.				height.
2.				
3.				Hydrophytic Vegetation
4				Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet.)			

Sampling Point: C-R-AP-1 Upl

SOIL							Sampling Point C-R-AP-1 Upl
Profile Desc	ription: (Describe t	o the de	pth needed to docun	nent the indic	ator or co	onfirm the absence of ind	icators.)
Depth	Matrix		Redox	Features			
(inches)	Color (moist)	%	Color (moist)	% Type ¹	Loc ²	Texture	Remarks
0-2	10YR 2/1	100				Sandy	with organics
2-6	10YR 3/3	100				Sandy	
6-9	10YR 3/2	100				Sandy	
9-17	7.5YR 3/4	100				Sandy	
ı							
							_
				— —			
¹Type: C=Co	oncentration, D=Depl	etion, RM		—— —— S=Masked San	d Grains.	² Location: PL=Po	ore Lining, M=Matrix.
Hydric Soil						Indicators for Pr	oblematic Hydric Soils ³ :
Histosol			Polyvalue Below	Surface (S8)	LRR R,		A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B)	(00) (1.00.5			Redox (A16) (LRR K, L, R)
Black Hi			Thin Dark Surface			· —	Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma Sa Loamy Mucky Mi				low Surface (S8) (LRR K, L)
	l Layers (A5) l Below Dark Surface	(Δ11)	Loamy Gleyed M		KK, L)		rface (S9) (LRR K, L) ese Masses (F12) (LRR K, L, R)
	ark Surface (A12)	(A11)	Depleted Matrix				odplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Surf				(TA6) (MLRA 144A, 145, 149B)
	Sleyed Matrix (S4)		Depleted Dark S	` ,		Red Parent M	
	ledox (S5)		Redox Depression				Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LRR				n in Remarks)
	rface (S7)		Wall (1 10) (LKK	ΙΚ, Δ)		Other (Explain	ii iii iteiliaiks)
		on and w	etland hydrology mus	t be present, u	nless dist	urbed or problematic.	
Type:	Layer (if observed): none	a					
•						Hydric Soil Present?	Yes No X
Depth (ir						Hyunc 3011 Fresent!	Yes No _X_
Remarks: This data for	m is revised from No	rthcentral	l and Northeast Regio	nal Supplemer	nt Version	2.0 to include the NRCS Fi	ield Indicators of Hydric Soils,
			usda.gov/Internet/FSE				iola maioatore el riyane cone,



Upland C-R-AP-1- View facing west



Upland C-R-AP-1- Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site:	Champlain Huds	son Express		City/Coun	nty: Saratoga		Sampling I	Date: No	ovember 30, 2021	
Applicant/Owner:	СНА	<u> </u>		State:	NY		Sampling F	Point: DF	P-BV	
Investigator(s):	Tristen Peterson	1		Section, To	ownship, Range:	Wilton		_		
Landform (hillslope,		Depression			f (concave, convex, i		Concave	S	Slope (%): 1	
	· · · · · · · · · · · · · · · · · · ·					g: -73.68492			Datum: NAD83	
Subregion (LRR or I	-			Lat: 43.100000	TN LONG	: -/3.00482				
Soil Map Unit Name		am loamy sand					NWI classification:	Not Mappe	ed	
Are climatic / hydrole	· ·		•			(If no	o, explain in Remarks	•		
Are Vegetation	, Soil	, or Hydrology	sign	ificantly disturbed	? Are "N	Normal Circur	mstances" present?	Yes	X No	
Are Vegetation	, Soil	, or Hydrology	natu	urally problematic?	? (If nee	eded, explain	any answers in Rem	narks.)		
SUMMA	ARY OF FIND	INGS – Attach	site map	showing sam	pling point loc	ations, tr	ansects, impor	tant featu	ures, etc.	
Hydrophytic Vege	etation Present?	Yes	X No		Is the Sampled A	rea				
Hydric Soil Preser		Yes _	X No		within a Wetland?		Yes X	No	<u></u>	
Wetland Hydrolog		Yes	X No		If yes, optional We	etland Site ID:	: <u>BV</u>			
HYDROLOGY										
Wetland Hydrolo	oav Indicators:						Secondary Indicators	s (minimum c	of two required)	
		e is required; check	all that apply)	١			Surface Soil Cracks		<i>51 ()</i>	
Surface Water		10 q=		-Stained Leaves (E	B9)	x				
X High Water T				ic Fauna (B13)	,	_	Moss Trim Lines (B			
X Saturation (A				Deposits (B15)		Dry-Season Water Table (C2)				
Water Marks	s (B1)		Hydro	gen Sulfide Odor ((C1)	Crayfish Burrows (C8)				
Sediment De	eposits (B2)		Oxidiz	ed Rhizospheres	on Living Roots (C3)	ots (C3) Saturation Visible on Aerial Imagery (C9)				
Drift Deposits	s (B3)		Preser	nce of Reduced Iro	on (C4)	Stunted or Stressed Plants (D1)				
Algal Mat or	` '			nt Iron Reduction in		<u> </u>				
Iron Deposits				Muck Surface (C7)		Shallow Aquitard (D3)				
	isible on Aerial Im		Other	(Explain in Remark	·ks)	Microtopographic Relief (D4)				
Sparsely Veg	getated Concave S	Surface (B8)					FAC-Neutral Test (D5)		
Field Observation		V No	V Donth	l (=======).						
Surface Water Pre Water Table Prese		Yes No				National Hydr	rology Present?	Van Y	No.	
Saturation Presen		Yes X No	·		"	Vetianu nyui	Ology Fresent:	Yes X	No	
(includes capillary		Yes A NO	Debu	1 (Inches). Z						
	· · · · · · · · · · · · · · · · · · ·	auge, monitoring w	ell, aerial phot	tos, previous inspe	ections), if available:					
<u></u>										
Remarks:										

=		FACU	Number of Domir That Are OBL, F/ Total Number of Species Across A Percent of Domir That Are OBL, F/	ACW, or FAC: Dominant All Strata: Hant Species ACW, or FAC:	66.7	3	(A) (B) (A/B)
			Species Across A Percent of Domin That Are OBL, FA	ant Species ACW, or FAC:	66.7		
			Species Across A Percent of Domin That Are OBL, FA	ant Species ACW, or FAC:	66.7		
_			That Are OBL, FA	ACW, or FAC:	66.7		(A/B
_				· 	66.7		(A/B
_			Prevalence Inde				
_ _=	Total Cover			x worksneet:			
— ⁼ —	Total Cover		Total % Cov	er of:	N	lultiply by:	
			OBL species	35			
			FACW species FAC species	50		0	
			FAC species FACU species	20	x 4 =		
			UPL species	0		0	
			Column Totals:	105		225	
					. ,		`
			Prevalence	e Index = B/A = 2	2.14		
			Hydrophytic Veg	getation Indicate	ors:		
						tation	
_	- Total Cover		_				
	- Total Gover		_			vide suppo	rting
	Yes	OBL	data in F	Remarks or on a	separat	e sheet)	
	Yes	FACW	Problematic	Hydrophytic Veg	getation	¹ (Explain)	
	No	OBL	¹ Indicators of hyd	dric soil and wetla	and hyd	Irology mus	;t
	No	FACW	be present, unles	s disturbed or pr	oblema	tic.	
	No	FACW	Definitions of Ve	egetation Strata	:		
			Tree – Woody pla	ants 3 in. (7.6 cm	n) or mo	re in diame	eter
			at breast height (DBH), regardless	s of hei	ght.	
			Sapling/shrub –	Woody plants le	ss than	3 in. DBH	
			and greater than	or equal to 3.28	ft (1 m)	tall.	
				•		_	ss of
			1				
				All woody vines g	reater t	han 3.28 ft i	in
	- Total Cover		neight.				
	- Total Gover						
			Hydrophytic				
			Vegetation		v		
			Present?	Yes _	١	No	_
	= Total Cove						
)		Yes No No No The second of the	Yes	Hydrophytic Veg 1 - Rapid Te X 2 - Dominar X 3 - Prevalen 4 - Morpholo data in F No OBL No FACW No FACW No FACW Definitions of Veg at breast height (Sapling/shrub— and greater than Herb—All herbact size, and woody woody vines—A height. Hydrophytic Vegetation Present?	Hydrophytic Vegetation Indicate 1 - Rapid Test for Hydrophytic X 2 - Dominance Test is >50% X 3 - Prevalence Index is ≤3.0 4 - Morphological Adaptation data in Remarks or on a Problematic Hydrophytic Veg 1 Indicators of hydric soil and wetlate be present, unless disturbed or present, unless disturbed or present to the present of	Total Cover X 2 - Dominance Test is >50% X 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Prodata in Remarks or on a separated data in Remarks or on a separated late in Remarks or on a separated data in Remarks or on a separated late in Remarks or on	Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% X 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide suppodata in Remarks or on a separate sheet) No OBL No FACW Problematic Hydrophytic Vegetation¹ (Explain) Indicators of hydric soil and wetland hydrology musbe present, unless disturbed or problematic. Definitions of Vegetation Strata: Tree – Woody plants 3 in. (7.6 cm) or more in diament 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, regardlesize, and woody plants less than 3.28 ft tall. Woody vines – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes X No

SOIL Sampling Point: DP-BV Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Color (moist) Color (moist) Remarks (inches) % Texture 0-20 10YR 2/1 100 Clay Loam ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ²Location: PL=Pore Lining, M=Matrix. **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L, M) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L, R) X Depleted Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Red Parent Material (F21) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: None Depth (inches): Hydric Soil Present? Yes No Remarks:



Wetland BV- View facing South



Wetland BV- Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Applicant/Owner: CHA State: NY Sampling Point: DP-BV- Investigator(s): Tristen Peterson Section, Township, Range: Wilton Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope Subregion (LRR or MLRA): LRR R Lat: 43.168660°N Long: -73.684926°W Datum: Soil Map Unit Name: Wa - Wareham loamy sand NWI classification: Not Mapped Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.) Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X 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 Hydrophytic Vegetation Present? Yes No X Hydrophytic Vegetation Present? Yes No X Wetland Hydrology Present? Yes No X If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.) Upland Data Point for Wetland BV, located within hillslope adjacent to railroad bed	%): <u>5</u> NAD83				
Investigator(s): Tristen Peterson Section, Township, Range: Wilton Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope Subregion (LRR or MLRA): LRR R Lat: 43.168660°N Long: -73.684926°W Datum: Soil Map Unit Name: Wa - Wareham loamy sand NWI classification: Not Mapped Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.) Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X 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 Hydrophytic Vegetation Present? Yes No X Wetland Hydrology Present? Yes No X If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.)	NAD83				
Subregion (LRR or MLRA): LRR R Lat: 43.168660°N Long: -73.684926°W Datum: Soil Map Unit Name: Wa - Wareham loamy sand NWI classification: Not Mapped Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.) Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X Are Vegetation or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features Hydrophytic Vegetation Present? Yes No X Hydrophytic Vegetation Present? Yes No X Wetland Hydrology Present? Yes No X Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.)	NAD83				
Subregion (LRR or MLRA): LRR R Lat: 43.168660°N Long: -73.684926°W Datum: Soil Map Unit Name: Wa - Wareham loamy sand NWI classification: Not Mapped Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.) Are Vegetation Soil or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X Are Vegetation or Hydrology naturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features Hydrophytic Vegetation Present? Yes No X Hydrophytic Vegetation Present? Yes No X Wetland Hydrology Present? Yes No X Is the Sampled Area within a Wetland? Yes No X If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.)	NAD83				
Soil Map Unit Name: Wa - Wareham loamy sand NWI classification: Not Mapped Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.) Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes X 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 Hydrophytic Vegetation Present? Yes No X Is the Sampled Area within a Wetland? Yes No X Wetland Hydrology Present? Yes No X If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.)	No				
Are climatic / hydrologic conditions on the site typical for this time of year? Yes					
Are Vegetation, Soil, or Hydrologysignificantly disturbed? Are "Normal Circumstances" present? YesX Are Vegetation, Soil, or Hydrologynaturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features Hydrophytic Vegetation Present? Yes No Is the Sampled Area within a Wetland? Yes No Yes No If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.)					
Are Vegetation, Soil, or Hydrologynaturally problematic? (If needed, explain any answers in Remarks.) SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features Hydrophytic Vegetation Present?					
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features Hydrophytic Vegetation Present? Hydrophytic Vegetation Present? Yes No X Is the Sampled Area within a Wetland? Wetland Hydrology Present? Yes No X If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.)	, etc.				
Hydrophytic Vegetation Present? Yes No X Is the Sampled Area within a Wetland? Yes No X Wetland Hydrology Present? Yes No X If yes, optional Wetland Site ID:	, etc.				
Hydric Soil Present? Yes No X within a Wetland? Yes No X Wetland Hydrology Present? Yes No X If yes, optional Wetland Site ID:					
Hydric Soil Present? Yes No X within a Wetland? Yes No X Wetland Hydrology Present? Yes No X If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.)					
Wetland Hydrology Present? Yes No X If yes, optional Wetland Site ID: Remarks: (Explain alternative procedures here or in a separate report.)					
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) Marl Deposits (B15) Dry-Season Water Table (C2)					
Water Marks (B1) Hydrogen Sulfide Odor (C1) Crayfish Burrows (C8)	<u> </u>				
Drift Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1)					
- 	· / · · · · · · · · · · · · · · · · · ·				
Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3)					
	Microtopographic Relief (D4) FAC-Neutral Test (D5)				
Field Observations: Surface Water Present? Yes No _X _ Depth (inches):					
	No X				
	<u> </u>				
(includes capillary fringe)					
Water Table Present? Yes No X Depth (inches): Wetland Hydrology Present? Yes Saturation Present? Yes Depth (inches):	No				

<u> </u>	Yes Yes Total Cover	FACU FACU	Number of Dominant Species That Are OBL, FACW, or FAC: Total Number of Dominant Species Across All Strata: Percent of Dominant Species That Are OBL, FACW, or FAC: O Prevalence Index worksheet: Total % Cover of: Multiply by:	(A) (B) (A/B
		FACU	Total Number of Dominant Species Across All Strata: 3 Percent of Dominant Species That Are OBL, FACW, or FAC: 0 Prevalence Index worksheet:	(B)
<u> </u>			Species Across All Strata: 3 Percent of Dominant Species That Are OBL, FACW, or FAC: 0 Prevalence Index worksheet:	
<u> </u>			Percent of Dominant Species That Are OBL, FACW, or FAC: 0 Prevalence Index worksheet:	· ·
			That Are OBL, FACW, or FAC: 0 Prevalence Index worksheet:	(A/E
			Prevalence Index worksheet:	(A/E
 	= Total Cover		Total 70 Gover of.	
	- Total Gover		OBL species $0 x 1 = 0$	
			FACW species 0 $x = 0$ FAC species 0 $x = 0$	
			FACU species 60 x 4 = 240	
			UPL species 25 x 5 = 125	
			Column Totals: 85 (A) 365	(R
			(A) <u>300</u>	
			Prevalence Index = B/A = 4.29	
_			Hydronhytic Vagatation Indicators:	
		-	2 - Dominance Test is >50%	
	= Total Cover		3 - Prevalence Index is ≤3.0 ¹	
				rting
	Yes	FACU	data in Remarks or on a separate sheet)	
	Yes	UPL	Problematic Hydrophytic Vegetation ¹ (Explain)	
			1,	t
				•
			Definitions of Vegetation Strata:	
			1	ter
			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, regardle	ss of
		-	size, and woody plants less than 3.28 ft tall.	
			Woody vines – All woody vines greater than 3.28 ft i	n
			height.	
	= Total Cover			
			Hydrophytic	
			Vegetation	
	-		Present? Yes NoX	_
	= Total Cover		<u> </u>	
		Yes Yes Yes Total Cover	Yes FACU Yes UPL Total Cover	Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide suppodata in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) 1 Indicators of hydric soil and wetland hydrology musbe present, unless disturbed or problematic. Definitions of Vegetation Strata: Tree - Woody plants 3 in. (7.6 cm) or more in diame 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, regardle size, and woody plants less than 3.28 ft tall. Woody vines - All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes NoX

SOIL Sampling Point: DP-BV-Upland Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Color (moist) Color (moist) (inches) % Texture Remarks 10YR 3/3 100 Silt Rock refusal ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ²Location: PL=Pore Lining, M=Matrix. **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L, M) Hydrogen Sulfide (A4) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Red Parent Material (F21) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: None Hydric Soil Present? Yes No X Depth (inches): Remarks: Could not dig past 6 inches due to rock refusal, no hydric soils present at data point



Upland BV- View facing South



Upland BV- Soils

SITE PHOTOGRAPHS

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: CHPE		City/County: Wilton/	Saratoga	Sampling Date: 8/4/22			
Applicant/Owner: TDI			State: NY Sampling Point:				
Investigator(s): J. Greaves & C. Scrivner		Section, To	wnship, Range:				
Landform (hillside, terrace, etc.): Depressio	n Local re	elief (concave, conve	x. none): Concave	Slope %: 2			
Subregion (LRR or MLRA): LRR R	Lat: 43 09' 25"N		-73 41' 37"W	Datum: WGS84			
Soil Map Unit Name: Oakville loamy fine sar			NWI classification:	PSS1			
	-	Voc. V					
Are climatic / hydrologic conditions on the site	,,	Yes X	- <u></u> `	explain in Remarks.)			
Are Vegetation, Soil, or Hydro			nal Circumstances" prese				
Are Vegetation, Soil, or Hydro	logynaturally problemat	tic? (If needed	d, explain any answers in	Remarks.)			
SUMMARY OF FINDINGS – Attach	site map showing samp	oling point loca	tions, transects, im	portant features, etc.			
Hydrophytic Vegetation Present?	Yes X No	Is the Sampled A	rea				
Hydric Soil Present?	Yes X No	within a Wetland		No			
Wetland Hydrology Present?	Yes X No	If yes, optional We					
Remarks: (Explain alternative procedures he	ere or in a separate report.)						
Shrub swamp.							
-							
HYDROLOGY							
Wetland Hydrology Indicators:				ninimum of two required)			
Primary Indicators (minimum of one is require			Surface Soil Cracks				
Surface Water (A1)	Water-Stained Leaves (B	9)	Drainage Patterns (·			
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B	·			
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)					
Water Marks (B1)	Hydrogen Sulfide Odor (C	•	Crayfish Burrows (C	·			
Sediment Deposits (B2)	x Oxidized Rhizospheres or Presence of Reduced Iron			n Aerial Imagery (C9)			
Drift Deposits (B3) Algal Mat or Crust (B4)	Recent Iron Reduction in						
Iron Deposits (B5)	Thin Muck Surface (C7)						
Inundation Visible on Aerial Imagery (B7							
Sparsely Vegetated Concave Surface (B	· ` ` ·	,	FAC-Neutral Test (I	, ,			
Field Observations:	·		_	,			
Surface Water Present? Yes	No x Depth (inches):						
Water Table Present? Yes	No x Depth (inches):						
Saturation Present? Yes	No x Depth (inches):		d Hydrology Present?	Yes <u>X</u> No			
(includes capillary fringe)							
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, prev	vious inspections), if	available:				
Remarks:							
Remarks:							

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1.	70 00101			
2.				Number of Dominant Species That Are OBL, FACW, or FAC:(A)
3. 4.				Total Number of Dominant Species Across All Strata:3(B)
5				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC: 33.3% (A/B)
7		-Total Cover		Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size: 15')		=Total Cover		Total % Cover of: Multiply by: OBL species 60 x 1 = 60
1. Rubus allegheniensis	40	Yes	FACU	FACW species 0 x 2 = 0
Corylus americana	30	Yes	FACU	FAC species 10 x 3 = 30
3. Acer rubrum	10	No	FAC	FACU species 90 x 4 = 360
4.				UPL species 0 x 5 = 0
				Column Totals: 160 (A) 450 (B)
6				Prevalence Index = B/A = 2.81
7				Hydrophytic Vegetation Indicators:
<i>1</i>	80	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		Total Cover		2 - Dominance Test is >50%
1. Carex squarrosa	60	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
Rubus allegheniensis	10	No	FACU	4 - Morphological Adaptations ¹ (Provide supporting
Pteridium aquilinum	10	No	FACU	data in Remarks or on a separate sheet)
4.			17100	Problematic Hydrophytic Vegetation ¹ (Explain)
5.				
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12	80	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')		- Total Cover		
`				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				Hydrophytic
3.				Vegetation Present? Yes X No
4		=Total Cover		Present?
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Sampling Point: P3-H Wet

SOIL Sampling Point P3-H Wet

Profile Desc Depth	ription: (Describe) Matrix	to the de		ument tl x Featur		ator or co	onfirm the absence o	f indicators.)			
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rema	arks		
0-5	10YR 2/2	100					Sandy				
5-12	7.5YR 3/1	65	10YR 5/3	10		M	Sandy	Distinct redox of	concentrations		
			10YR 5/6	5		M	_	Prominent redox	concentrations		
			10YR 2/1	5		<u></u>		Faint redox co	oncentrations		
			10YR 4/6	 15		PL/M		Prominent redox	concentrations		
12-16	10YR 2/1	92	5YR 4/6	2		M	Sandy	Prominent redox			
12-10	1011(2/1		311(4/0				Sandy	1 Torrillerit redux	Concentiations		
1T C-C-			——————————————————————————————————————				21	U-Dana Linina M-M			
Hydric Soil I	oncentration, D=Dep	letion, Riv	=Reduced Matrix, IV	15=Mas	ked Sand	d Grains.		L=Pore Lining, M=M or Problematic Hyd			
Histosol			Dark Surface (S7)				ıck (A10) (LRR K, L ,			
	pipedon (A2)		Polyvalue Belo		ce (S8) (LRR R,		rairie Redox (A16) (L			
Black His	stic (A3)		MLRA 149B))			5 cm Mu	icky Peat or Peat (S	3) (LRR K, L, R)		
Hydroge	n Sulfide (A4)		Thin Dark Surfa				149B) Polyvalu	e Below Surface (S8	3) (LRR K, L)		
	l Layers (A5)		High Chroma S					rk Surface (S9) (LRF	•		
	l Below Dark Surface	e (A11)	Loamy Mucky I			RK,L)		nganese Masses (F1			
	ark Surface (A12)		Loamy Gleyed Matrix (F2)				Piedmont Floodplain Soils (F19) (MLRA 149B)				
	oodic (A17)		 ·	Depleted Matrix (F3)				Red Parent Material (F21) (outside MLRA 148 Very Shallow Dark Surface (F22)			
	A 144A, 145, 149B) lucky Mineral (S1)		Redox Dark Su Depleted Dark	,	,			allow Dark Surface (xplain in Remarks)	[[22]		
	ileyed Matrix (S4)		Redox Depress				Other (E	Apiairi iri Nemarka)			
X Sandy R			Marl (F10) (LR		<i>o</i> ,		³ Indicato	ors of hydrophytic ve	getation and		
	Matrix (S6)		Red Parent Ma		[:] 21) (ML I	RA 145)	wetland hydrology must be present,				
	. ,			<u> </u>		<u> </u>	unless	disturbed or proble	matic.		
	_ayer (if observed):										
Type: _											
Depth (ir	nches):						Hydric Soil Prese	nt? Yes X	<u> No</u>		
Remarks:											



Wetland P3-H - View facing north/northeast



Wetland P3-H - Soils

SITE PHOTOGRAPHS

Segment 4 and 5 – Package 3

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: CHPE	(City/County: Wilton/S	Saratoga	Sampling Date: 8/4/22			
Applicant/Owner: TDI		State: NY Sampling Point:					
Investigator(s): J. Greaves & C. Scrivner		Section, To	wnship, Range:	<u> </u>			
Landform (hillside, terrace, etc.): Depression	on Local re	elief (concave, conve	x, none): Concave	Slope %: 5			
Subregion (LRR or MLRA): LRR R	Lat: 43 08 59N		-73 41 56W	 Datum: WGS84			
Soil Map Unit Name: Wa - Wareham loamy			NWI classification:	PUB			
Are climatic / hydrologic conditions on the site		Vac Y					
• •	•	Yes X		explain in Remarks.)			
Are Vegetation, Soil, or Hydro			nal Circumstances" prese				
Are Vegetation, Soil, or Hydro			d, explain any answers in	•			
SUMMARY OF FINDINGS – Attach	site map showing samp	pling point loca	tions, transects, im	portant features, etc.			
Hydrophytic Vegetation Present?	Yes X No	Is the Sampled A	rea				
Hydric Soil Present?	Yes X No	within a Wetland	? Yes <u>X</u>	No			
Wetland Hydrology Present?	Yes X No	If yes, optional We	tland Site ID:				
Remarks: (Explain alternative procedures he	ere or in a separate report.)						
Pond.							
HYDROLOGY							
Wetland Hydrology Indicators:	· · · · · · · · · · · · · · · · · · ·			ninimum of two required)			
Primary Indicators (minimum of one is requir			Surface Soil Cracks				
X Surface Water (A1)	X Water-Stained Leaves (B	9)	Drainage Patterns (·			
X High Water Table (A2)	X Aquatic Fauna (B13)		Moss Trim Lines (B16)				
X Saturation (A3)	Marl Deposits (B15)	24)	X Dry-Season Water Table (C2)				
— Water Marks (B1) Sediment Deposits (B2)	Hydrogen Sulfide Odor (C Oxidized Rhizospheres or	· ·	Crayfish Burrows (C	n Aerial Imagery (C9)			
Drift Deposits (B3)	Presence of Reduced Iron		Stunted or Stressed				
Algal Mat or Crust (B4)	Recent Iron Reduction in	` '	X Geomorphic Positio	` '			
Iron Deposits (B5)	Thin Muck Surface (C7)						
X Inundation Visible on Aerial Imagery (B7		(3)	Microtopographic R	•			
Sparsely Vegetated Concave Surface (E	·	,	X FAC-Neutral Test (I	` '			
Field Observations:							
Surface Water Present? Yes x	No Depth (inches):	24					
Water Table Present? Yes x	No Depth (inches):	0					
Saturation Present? Yes x	No Depth (inches):		d Hydrology Present?	Yes X No			
(includes capillary fringe)			, ,				
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, prev	vious inspections), if	available:				
Remarks:							

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1.	70 COVE	Species :	Status	
2.				Number of Dominant Species That Are OBL, FACW, or FAC:(A)
3. 4.				Total Number of Dominant Species Across All Strata:1 (B)
5				Percent of Dominant Species
6.		<u> </u>		That Are OBL, FACW, or FAC:100.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species 50 x 1 = 50
1. Alnus incana	2	No	FACW	FACW species 14 x 2 = 28
2.				FAC species0 x 3 =0
3				FACU species0 x 4 =0
4				UPL species0 x 5 =0
5				Column Totals: 64 (A) 78 (B)
6				Prevalence Index = B/A = 1.22
7				Hydrophytic Vegetation Indicators:
	2	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:)				X 2 - Dominance Test is >50%
1. Lemna minor	50	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
2. Phragmites australis	10	No	FACW	4 - Morphological Adaptations (Provide supporting
3. Onoclea sensibilis	2	No	FACW	data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	62	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft in
1.				height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)	•		
Tromano: (morado prioto namboro noro or on a copar	ato 01100ti.)			

Sampling Point: P3-I Wet

SOIL Sampling Point P3-I Wet

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)									
Depth			Redox Features						
(inches)	Color (moist)		Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Rema	arks
									_
1Type: C=Ce	noontration D-Donl	otion PM	I-Doduced Matrix N		Lod Sone	Croins	² l continu	L-Doro Lining M-M	lotriy
¹ Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Hydric Soil Indicators:						Giailis.	² Location: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils ³ :		
							2 cm Muck (A10) (LRR K, L, MLRA 149B)		
Histosol (A1) Histic Epipedon (A2)			Dark Surface (S7) Polyvalue Below Surface (S8) (LRR R,				Coast Prairie Redox (A16) (LRR K, L, R)		
			MLRA 149B)				5 cm Mucky Peat or Peat (S3) (LRR K, L, R)		
Black Histic (A3) MLRA 149I Hydrogen Sulfide (A4) Thin Dark Sui					(I RR R	MI RA 1		-	
					-		149B) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L)		
Stratified Layers (A5) Depleted Below Dark Surface (A11)			High Chroma Sands (S11) (LRR K, L)						
		Loamy Mucky Mineral (F1) (LRR K, L)				Iron-Manganese Masses (F12) (LRR K, L, R)			
Thick Dark Surface (A12)			Loamy Gleyed Matrix (F2)				Piedmont Floodplain Soils (F19) (MLRA 149B)		
Mesic Spodic (A17)			Depleted Matrix (F3)				Red Parent Material (F21) (outside MLRA 145) Very Shallow Dark Surface (F22)		
(MLRA 144A, 145, 149B) Sandy Mucky Mineral (S1)			Redox Dark Surface (F6) Depleted Dark Surface (F7)				Other (Explain in Remarks)		
Sandy Gleyed Matrix (S4)							Other (E.	xpiaiii iii ixeiliaiks)	
Sandy Redox (S5)			Redox Depressions (F8)				³ Indicato	ers of hydrophytic yo	actation and
Stripped Matrix (S6)			Mari (F10) (LRR K, L)				³ Indicators of hydrophytic vegetation and		
Stripped Matrix (So)			Red Parent Material (F21) (MLRA 145)				wetland hydrology must be present, unless disturbed or problematic.		
Restrictive I	.ayer (if observed):						uniess	disturbed of proble	mano.
Type:	.ayer (ii observeu).								
-									
Depth (in	ches):						Hydric Soil Preser	nt? Yes	No
Remarks:									
Soils not colle	ected due to inundati	ion and d	ominance by OBL s	pecies.					



Wetland P3-I - View facing south/southeast



Wetland P3-I - Soils

SITE PHOTOGRAPHS

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: CHPE	(City/County: Wilton/S	Saratoga	Sampling Date: 8/4/22			
Applicant/Owner: TDI			State: NY	Sampling Point: P3-H & I Upl			
Investigator(s): J. Greaves & C. Scrivner		Section, To	wnship, Range:	<u> </u>			
Landform (hillside, terrace, etc.): hillslope	Local re	elief (concave, conve	x, none): convex	Slope %: 40			
Subregion (LRR or MLRA): LRR R	Lat: 43 09' 25"N	,	-73 41' 38"W	Datum: WGS84			
Soil Map Unit Name: Oakville loamy fine san			NWI classification:				
Are climatic / hydrologic conditions on the site	-	Voc Y		, explain in Remarks.)			
, ,	**	Yes X	`	•			
Are Vegetation, Soil, or Hydrol			nal Circumstances" pres 				
Are Vegetation, Soil, or Hydrol	<u></u>		d, explain any answers i	•			
SUMMARY OF FINDINGS – Attach	site map showing samp	oling point locat	tions, transects, ir	nportant features, etc.			
Hydrophytic Vegetation Present?	Yes No	Is the Sampled A	rea	1			
Hydric Soil Present?	Yes No	within a Wetland		No			
Wetland Hydrology Present?	Yes No	If yes, optional We	tland Site ID: Upland	adjacent to Wetlands P3-H & I			
Railroad embankment. Shared upland point f	or Wetiand гэ-п ани гэ-і.						
HYDROLOGY							
Wetland Hydrology Indicators:			Secondary Indicators ((minimum of two required)			
Primary Indicators (minimum of one is require	ed; check all that apply)		Surface Soil Crack	(s (B6)			
Surface Water (A1)	Water-Stained Leaves (B9	9)	Drainage Patterns (B10)				
— High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B16)				
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water				
Water Marks (B1)	Hydrogen Sulfide Odor (C	•	Crayfish Burrows (C8)				
Sediment Deposits (B2)	Oxidized Rhizospheres or						
Drift Deposits (B3)	Presence of Reduced Iron		Stunted or Stresse	· ·			
Algal Mat or Crust (B4) Iron Deposits (B5)	Recent Iron Reduction in Thin Muck Surface (C7)						
Inundation Visible on Aerial Imagery (B7		Shallow Aquitard (D3) Microtopographic Relief (D4)					
Sparsely Vegetated Concave Surface (B	· 	5)	FAC-Neutral Test	, ,			
Field Observations:	<u> </u>			(20)			
Surface Water Present? Yes	No x Depth (inches):						
Water Table Present? Yes	No x Depth (inches):						
Saturation Present? Yes	No x Depth (inches):		d Hydrology Present?	Yes No _ X			
(includes capillary fringe)							
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, prev	/ious inspections), if	available:				
Remarks:							
Tromas.							

VEGETATION – Use scientific names of plants.

	Absolute	Dominant	Indicator	
ree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
				Number of Dominant Species
· <u></u>				That Are OBL, FACW, or FAC: 0 (A)
				Total Number of Dominant Species Across All Strata: 3 (B)
				Openies Across Air Citata.
·				Percent of Dominant Species
· .				That Are OBL, FACW, or FAC: 0.0% (A/E
				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size: 15')				OBL species 0 x1 = 0
				FACW species 0 x 2 = 0
		-		FAC species 0 x 3 = 0
				FACU species6
				UPL species 0 x 5 = 0
				Column Totals: 6 (A) 24 (B
				Prevalence Index = B/A = 4.00
				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
erb Stratum (Plot size: 5')		-		2 - Dominance Test is >50%
	2	Vaa	FACIL	3 - Prevalence Index is ≤3.0 ¹
Oenothera biennis	2	Yes	FACU	
Lactuca serriola	2	Yes	<u>FACU</u>	4 - Morphological Adaptations ¹ (Provide supporti data in Remarks or on a separate sheet)
Schizachyrium scoparium	2	Yes	FACU	data in Remarks of on a separate sneet)
·				Problematic Hydrophytic Vegetation ¹ (Explain)
· <u></u>				¹ 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 height (DBH), regardless of heigh
)				Sapling/shrub – Woody plants less than 3 in. DBH
l				and greater than or equal to 3.28 ft (1 m) tall.
2.				Herb – All herbaceous (non-woody) plants, regardles
	6	=Total Cover		of size, and woody plants less than 3.28 ft tall.
oody Vine Stratum (Plot size: 30')		-		
·				Woody vines – All woody vines greater than 3.28 ft height.
				neight.
				Hydrophytic
				Vegetation
				Present? Yes No _X

SOIL Sampling Point P3-H & I Upl

Depth	Matrix	o the dep		x Featur		101 01 00	onfirm the absence	or muic	ators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Rem	narks	
. ,											
¹ Type: C=Cor	ncentration, D=Deple	etion, RM	=Reduced Matrix, N	/IS=Mas	ked San	d Grains.	² Location:	PL=Pore	e Lining, M=N	√atrix.	
Hydric Soil In	dicators:						Indicators	for Prob	olematic Hyd	dric Soils ³ :	
Histosol (A			Dark Surface (S7)					0) (LRR K, L		
	pedon (A2)		Polyvalue Belo		ce (S8) (LRR R.		-	edox (A16) (
Black Hist			MLRA 149B		() (,			eat or Peat (S		•
	Sulfide (A4)		Thin Dark Surf	,	(I PP P	MI DA 1		-	w Surface (S		
	Layers (A5)		High Chroma S						ace (S9) (LR		L)
		(444)								-	. D)
	Below Dark Surface	(A11)	Loamy Mucky			K K, L)		_	e Masses (F		-
	k Surface (A12)		Loamy Gleyed		F2)				dplain Soils (
Mesic Spo			Depleted Matri						terial (F21) (.RA 145)
	144A, 145, 149B)		Redox Dark Su						ark Surface		
Sandy Mu	ıcky Mineral (S1)		Depleted Dark	Surface	e (F7)		Other (Explain	in Remarks)		
Sandy Gle	eyed Matrix (S4)		Redox Depress	sions (F	8)						
Sandy Re	dox (S5)		Marl (F10) (LR	R K, L)			³ Indica	tors of h	ydrophytic ve	getation an	d
Stripped N	Matrix (S6)		Red Parent Ma	aterial (F	21) (ML I	RA 145)	wetla	and hydr	ology must b	e present,	
							unles	ss distur	bed or proble	ematic.	
Restrictive La	ayer (if observed):										
Type:											
· -	ahaa):						Hydric Soil Pres	ont?	Voo	No	~
Depth (inc	ches):						nyuric Soil Pres	entr	Yes	No_	<u>^</u>
Remarks:											
Solis consist o	of railroad ballast.										

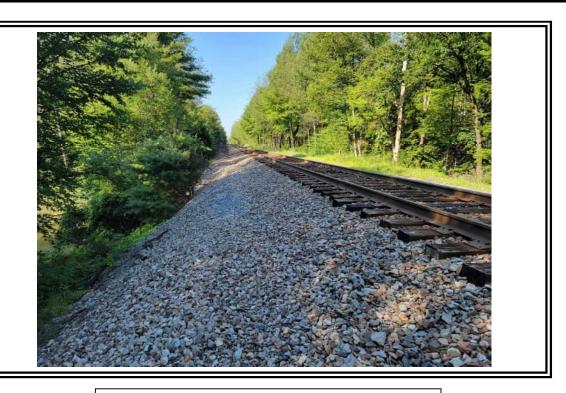


Upland P3-H - View facing north



Upland P3-H - Soils

SITE PHOTOGRAPHS



Upland P3-I - View facing south



Upland P3-I - Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site:	Champlain Huds	son Express		City/Cour	nty: Saratoga	ì	Sampling	g Date:	November 30, 2021	
Applicant/Owner:	СНА			State:	NY		Sampling	y Point:	DP-BP	
Investigator(s):	Tristen Peterson	1		Section, Te	ownship, Range:	Wilton				
Landform (hillslope,		Depression		·	ef (concave, convex		Concave		Slope (%):1	
	•	LRR R		Lat: 43.150362	•	ng: -73.69908			Datum: NAD83	
Subregion (LRR or	-			Lat. 40.100002	I'N LOI	ng13.03300		Not N		
Soil Map Unit Name		am loamy sand	,				NWI classification:		//apped	
Are climatic / hydrol	· ·		•				o, explain in Remark	-		
		, or Hydrology				"Normal Circur	mstances" present?	? `	Yes X No	
Are Vegetation	, Soil	, or Hydrology	nat	turally problematic?	? (If no	eeded, explain	any answers in Re	marks.)		
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.										
Hydrophytic Vege	etation Present?	Yes	X No)	Is the Sampled	Area		_	_	
Hydric Soil Prese		Yes _	X No		within a Wetlan		Yes X	No _		
Wetland Hydrolog		Yes	X No		If yes, optional V	Netland Site ID): <u>BP</u>			
HYDROLOGY										
Wetland Hydrolo	av Indicators:						Secondary Indicato	re (minin	num of two required)	
_		s is required; check	all that annly	۸			Surface Soil Crac		ium or two required)	
-	imary Indicators (minimum of one is required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9)						X Drainage Patterns (B10)			
X High Water				tic Fauna (B13)	,,	Moss Trim Lines (B16)				
X Saturation (A				Deposits (B15)			Dry-Season Wate		(C2)	
Water Marks	s (B1)		X Hydro	ogen Sulfide Odor ((C1)	Crayfish Burrows (C8)				
Sediment De	eposits (B2)		Oxidiz	zed Rhizospheres	on Living Roots (C	ots (C3) Saturation Visible on Aerial Imagery (C9)				
Drift Deposit			_	ence of Reduced Ire		Stunted or Stressed Plants (D1)				
Algal Mat or	` '			nt Iron Reduction in		· · · · · · · · · · · · · · · · · · ·				
Iron Deposits		~~./D7\		Muck Surface (C7)		Shallow Aquitard (D3) Microtopographic Relief (D4)				
	isible on Aerial Im getated Concave \$		Ouiei	r (Explain in Remar	rks)	_	FAC-Neutral Test)4)	
Field Observatio		- Juliaco (20)					1710 1104	. (50,		
Surface Water Pre		Yes No	X Dept	th (inches):						
Water Table Pres		Yes X No				Wetland Hydi	rology Present?	Yes	X No	
Saturation Preser		Yes X No								
(includes capillary										
Describe Recorde	ed Data (stream ga	auge, monitoring w	ell, aerial pho	itos, previous inspe	ections), if availabl	ie:				
Remarks:										

	Absolute	Dominant	Indicator		
ee Stratum (Plot size: 30 ft.)	% Cover	Species?	Status	Dominance Test worksheet:	
Ostrya virginiana	10	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC:	2 (4)
	· · · · · · · · · · · · · · · · · · ·	100	17100	That Are OBL, FACW, or FAC.	(A)
				Total Number of Dominant	
				Species Across All Strata:	(B)
				Percent of Dominant Species	
				That Are OBL, FACW, or FAC:	66.7 (A/E
				Prevalence Index worksheet: Total % Cover of:	: Multiply by:
		= Total Cover			x 1 = 55
" (OL 1 OL 1 (DL 1 1 45 ft)		= 10tal 00vci			$x = \frac{30}{100}$
oling/Shrub Stratum (Plot size: 15 ft.)				FACW species 50 FAC species 0	
				FACU species 10	
				UPL species 0	
	· 			Column Totals: 105	(A) <u>195</u> (B
				Prevalence Index = B/A	= 1.85
				Hydrophytic Vegetation India	
				1 - Rapid Test for Hydrop X 2 - Dominance Test is >5	
	0	= Total Cover		X 3 - Prevalence Index is ≤3	
b Stratum (Plot size: 5 ft.)				4 - Morphological Adapta	
Typha latifolia	55	Yes	OBL	data in Remarks or or	a separate sheet)
Onoclea sensibilis	30		FACW	Problematic Hydrophytic	Vegetation ¹ (Explain)
Dhalada ann dia ann				¹ Indicators of hydric soil and w	
Phalaris arundinacea	20	No	FACW	be present, unless disturbed or	
_					<u> </u>
				Definitions of Vegetation Str	ata:
				Tree – Woody plants 3 in. (7.6	•
				at breast height (DBH), regard	ess of height.
				Sapling/shrub – Woody plants	s less than 3 in. DBH
				and greater than or equal to 3.	28 ft (1 m) tall.
				Herb – All herbaceous (non-wo	oody) plants, regardless of
)				size, and woody plants less that	an 3.28 ft tall.
·				Woody vines – All woody vine	s greater than 3.28 ft in
. <u> </u>				height.	J
	105	= Total Cover			
ody Vine Stratum (Plot size: 30 ft.)					
				Hydrophytic	
				Vegetation	
				Present? Yes	No
	0	= Total Cove	r		
	te sheet.)				

SOIL Sampling Point: DP-BP Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Color (moist) Color (moist) (inches) % Texture Remarks 0-20 10YR 2/1 100 Muck ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ²Location: PL=Pore Lining, M=Matrix. **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L, M) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Red Parent Material (F21) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: None Depth (inches): Hydric Soil Present? Yes No Remarks:



Wetland BP- View facing North



Wetland BP- Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site:	Champlain Huds	son Express		City/Cour	nty: Sarato	oga	Sampling Date:	November 30, 2021	
Applicant/Owner:	CHA			State:	NY		Sampling Point:	DP-BP-Upland	
Investigator(s):	Tristen Peterson	1		Section, T	ownship, Range	e: Wilton	•		
Landform (hillslope,		Hillslope			ef (concave, con			Slope (%): 10	
	·				•				
Subregion (LRR or	-	LRR R		Lat: 43.150362	2°N	Long: -73.699086°W		Datum: NAD83	
Soil Map Unit Name	e: Wa- Wareha	am loamy sand				NWI cla	ssification: Not N	Mapped	
Are climatic / hydrol	logic conditions or	n the site typical fo	r this time of ye	ar? Yes	X N	lo (If no, explain	in Remarks.)		
Are Vegetation	, Soil	, or Hydrology	sign	ificantly disturbed	d? /	Are "Normal Circumstances	s" present?	Yes X No	
Are Vegetation	, Soil	, or Hydrology	natu	rally problematic	? (1	If needed, explain any ans	wers in Remarks.)		
SUMMA	ARY OF FIND	INGS – Attacl	າ site map ເ	showing san	npling poin	t locations, transec	ts, important t	features, etc.	
Line and the Mage	t stier Dropont2	Von	No		le the Compl	· · · · · · · · · · · · · · · · · · ·			
Hydric Soil Prose		•		X	Is the Sampl within a Wet		No	X	
Hydric Soil Prese Wetland Hydrolog		•		X	If yes optiona	al Wetland Site ID:			
Remarks: (Explain		•			li yes, optioni	di Welianu Sile ib.			
HYDROLOGY									
Wetland Hydrolo	gy Indicators:					Seconda	ry Indicators (minin	num of two required)	
Primary Indicators	s (minimum of one	e is required; check	(all that apply)				e Soil Cracks (B6)		
	Surface Water (A1) Water-Stained Leaves (B9)						ge Patterns (B10)		
High Water				c Fauna (B13)		Moss Trim Lines (B16)			
Saturation (A	•			eposits (B15)		Dry-Season Water Table (C2)			
Water Marks	-			gen Sulfide Odor		Crayfish Burrows (C8)			
Sediment De	,			ed Rhizospheres	=				
Drift Deposit			_	nce of Reduced In	, ,	Stunted or Stressed Plants (D1)			
Algal Mat or Iron Deposits	` '			t Iron Reduction in luck Surface (C7)	-	(C6) Geomorphic Position (D2) Shallow Aquitard (D3)			
	ร (ธอ) /isible on Aerial Im	nagery (R7)		(Explain in Remai		Shallow Aquitard (D3) Microtopographic Relief (D4)			
	getated Concave			(Explain in Noma	iksj	FAC-Neutral Test (D5)			
Field Observatio						<u>—</u>	,		
Surface Water Pre		Yes No	X Depth	ı (inches):					
Water Table Pres		Yes No				Wetland Hydrology P	resent? Yes	No <u>X</u>	
Saturation Preser	nt?	Yes No					•		
(includes capillary	/ fringe)								
Describe Recorde	ed Data (stream ga	auge, monitoring w	ell, aerial photo	os, previous inspe	ections), if avail	able:			
Remarks:									
No wetland hyd	rology present a	at data point							

Tree Stratum (Plot size: 30 ft.)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
Tsuga canadensis	35	Yes	FACU	Number of Dominant Species	(4)
		163	TAGO	That Are OBL, FACW, or FAC: 0	(A)
2		-		Total Number of Dominant Species Across All Strata: 1	(B)
3.		-		opedes Adioss Ali Ottata.	(B)
4				Percent of Dominant Species That Are OBL, FACW, or FAC: 0	(A/B)
5					(, (,)
6				Prevalence Index worksheet:	
7				Total % Cover of: Multiply	
	35	= Total Cover		OBL species <u>0</u> x 1 = <u>0</u>	
Sapling/Shrub Stratum (Plot size: 15 ft.)				FACW species 0 $x = 0$ FAC species 0 $x = 0$	
1				FACU species $\frac{0}{35}$ $x = \frac{0}{4}$	
2				UPL species $0 x = 0$	
3					(B)
4					` ` `
5.				Prevalence Index = B/A = 4	
6.				Hydrophytic Vegetation Indicators:	
7	·			1 - Rapid Test for Hydrophytic Vegetation	
	0	= Total Cove		2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹	
Herb Stratum (Plot size: 5 ft.)		= Total Cove	l	4 - Morphological Adaptations ¹ (Provide si	upporting
1.	1			data in Remarks or on a separate shee	
2.			·	Problematic Hydrophytic Vegetation ¹ (Exp	olain)
				¹ Indicators of hydric soil and wetland hydrology	
3				be present, unless disturbed or problematic.	muot
4					
5				Definitions of Vegetation Strata:	
6				Tree – Woody plants 3 in. (7.6 cm) or more in d at breast height (DBH), regardless of height.	liameter
7					
8.				Sapling/shrub – Woody plants less than 3 in. I and greater than or equal to 3.28 ft (1 m) tall.	DRH
9					ordloog of
10				Herb – All herbaceous (non-woody) plants, registize, and woody plants less than 3.28 ft tall.	ardiess oi
11				Woody vines – All woody vines greater than 3.2	28 ft in
12				height.	-0 10 111
	0	= Total Cove	r		
Woody Vine Stratum (Plot size: 30 ft.)	·				
1					
2				Hydrophytic	
3.				Vegetation Present? Yes No	Х
4.					
	0	= Total Cove	or .		
Pomarks: (Include photo numbers here or on a congrate cheet		= 10tai 000	21	•	
Remarks: (Include photo numbers here or on a separate sheet. No hydrophytic vegetation found at data point)				

Sampling Point: DP-BP-Upland

SOIL Sampling Point: DP-BP-Upland Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Color (moist) Color (moist) (inches) % Texture Remarks 0-12 10YR 4/3 100 Loam ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ²Location: PL=Pore Lining, M=Matrix. **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L, M) Hydrogen Sulfide (A4) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Red Parent Material (F21) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: None Hydric Soil Present? Yes No X Depth (inches): Remarks: Could not dig past 12 inches due to root compaction, no hydric soils present at data point



Upland BP- View facing North



Upland BP- Soils

SITE PHOTOGRAPHS

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: CHPE	(City/County: Wilton/S	Saratoga	Sampling Date: 8/4/22				
Applicant/Owner: TDI			State: NY	Sampling Point: P3-J Wet				
Investigator(s): J. Greaves & C. Scrivner		Section, To	wnship, Range:	<u> </u>				
Landform (hillside, terrace, etc.): Depression	n Local re	elief (concave, conve	x, none): Concave	Slope %: 5				
Subregion (LRR or MLRA): LRR R	Lat: 43 08 21N		-73 42 24W	Datum: WGS84				
Soil Map Unit Name: DeA - Deerfield loamy f			NWI classification:					
								
Are climatic / hydrologic conditions on the site		Yes X	`	explain in Remarks.)				
Are Vegetation, Soil, or Hydrol			nal Circumstances" prese					
Are Vegetation, Soil, or Hydrol			l, explain any answers in	,				
SUMMARY OF FINDINGS – Attach	site map showing samp	oling point locat	tions, transects, im	portant features, etc.				
Hydrophytic Vegetation Present?	Yes X No	Is the Sampled A	rea					
	Yes X No	within a Wetland?	? Yes X	No				
Wetland Hydrology Present?	Yes X No	If yes, optional We	tland Site ID: Wetland	P3-J				
Remarks: (Explain alternative procedures here or in a separate report.) Shallow emergent marsh.								
TIVEDOLOGY								
HYDROLOGY								
Wetland Hydrology Indicators:				ninimum of two required)				
Primary Indicators (minimum of one is require			Surface Soil Cracks					
X Surface Water (A1)	x Water-Stained Leaves (B9	9)	Drainage Patterns (B10) Moss Trim Lines (B16)					
X High Water Table (A2) x Saturation (A3)	Aquatic Fauna (B13) Marl Deposits (B15)		x Dry-Season Water	·				
Water Marks (B1)	Hydrogen Sulfide Odor (C	: 11	Crayfish Burrows (C					
Sediment Deposits (B2)	Oxidized Rhizospheres or	•	x Saturation Visible or	•				
Drift Deposits (B3)	Presence of Reduced Iron	• , ,	Stunted or Stressed					
Algal Mat or Crust (B4)	Recent Iron Reduction in							
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D3)					
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks	s)	Microtopographic Relief (D4)					
x Sparsely Vegetated Concave Surface (B	8)		X FAC-Neutral Test (D5)				
Field Observations:								
Surface Water Present? Yes x	No Depth (inches): _	1						
Water Table Present? Yes x	No Depth (inches): _	0						
Saturation Present? Yes x	No Depth (inches): _	0 Wetlan	d Hydrology Present?	YesX No				
(includes capillary fringe)	the description of the second photon provides	descriptions) if						
Describe Recorded Data (stream gauge, mor	nitoring well, aerial priotos, prev	/lous inspections), ii	avaliable:					
Remarks:								

VEGETATION – Use scientific names of plants.

Tree Stratum (Diet size: 201)	Absolute % Cover	Dominant	Indicator	Dominance Test weeksheet
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
2.		·		Number of Dominant Species That Are OBL, FACW, or FAC:(A)
3. 4.		·		Total Number of Dominant Species Across All Strata: (B)
5				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC:100.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species30 x 1 =30
1. Acer rubrum	5	Yes	FAC	FACW species 10 x 2 = 20
2.				FAC species 5 x 3 = 15
3.				FACU species0 x 4 =0
4				UPL species0 x 5 =0
5				Column Totals: 45 (A) 65 (B)
6.				Prevalence Index = B/A =1.44
7				Hydrophytic Vegetation Indicators:
	5	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
Alisma plantago-aquatica	25	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
2. Lythrum salicaria	5	No	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Bidens frondosa	5	No	FACW	data in Remarks or on a separate sheet)
4. Impatiens capensis	5	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5 6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				-
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.				
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
	40	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				
· · · · · · · · · · · · · · · · · · ·				Woody vines – All woody vines greater than 3.28 ft in height.
2				g.m
2				Hydrophytic
1				Vegetation Present? Yes X No
4.		=Total Cover		100 <u>X</u> NO
Remarks: (Include photo numbers here or on a separ	rata abaat)			
remarks. (include prioto numbers here of on a separ	ale sileel.)			

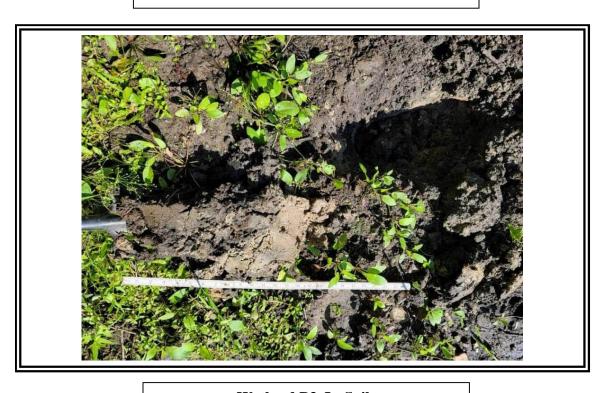
Sampling Point: P3-J Wet

SOIL Sampling Point P3-J Wet

Depth	Matrix		Red	ox Featur	es		omirm the absence o	
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	2.5Y 2.5/1	90	10YR 4/4	10	c	M_	Mucky Loam/Clay	Prominent redox concentrations
8-18	2.5Y 5/1	60	2.5Y 3/1	30	C	<u>m</u>	Sandy	Faint redox concentrations
			2.5Y 5/6	5	c	<u>m</u>		Prominent redox concentrations
			10YR 4/6	5	c	<u>m</u>		Prominent redox concentrations
				- —				
¹Type: C=Co	oncentration, D=Deple	etion, RM	=Reduced Matrix,	- —— MS=Mas	ked San	d Grains	. ² Location: F	PL=Pore Lining, M=Matrix.
Hydric Soil								or Problematic Hydric Soils ³ :
— Histosol	` '		Dark Surface		(00) (uck (A10) (LRR K, L, MLRA 149B)
	oipedon (A2)		Polyvalue Be		ce (58) (LKK K,		rairie Redox (A16) (LRR K, L, R)
	stic (A3)		MLRA 149	,) // DD D			ucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		Thin Dark Su					ue Below Surface (S8) (LRR K, L)
	d Layers (A5) d Below Dark Surface	(A11)	High Chroma Loamy Mucky	-				rk Surface (S9) (LRR K, L) nganese Masses (F12) (LRR K, L, R)
	ark Surface (A12)	(/ ())	Loamy Gleye			i (i (, _)		nt Floodplain Soils (F19) (MLRA 149B)
	podic (A17)		Depleted Mat		. ,			rent Material (F21) (outside MLRA 145)
	A 144A, 145, 149B)		X Redox Dark S		- 6)			allow Dark Surface (F22)
Sandy M	lucky Mineral (S1)		Depleted Dar	k Surface	e (F7)		Other (E	Explain in Remarks)
Sandy G	Gleyed Matrix (S4)		x Redox Depre	ssions (F	8)			
Sandy R	Redox (S5)		Marl (F10) (L	RR K, L)			³ Indicato	ors of hydrophytic vegetation and
Stripped	Matrix (S6)		Red Parent M	laterial (F	21) (ML	RA 145)		nd hydrology must be present,
Restrictive	Layer (if observed):						uriless	s disturbed or problematic.
Туре:								
Depth (ii	nches):						Hydric Soil Prese	nt? Yes <u>X</u> No
Remarks:								



Wetland P3-J - View facing west/northwest



Wetland P3-J - Soils

SITE PHOTOGRAPHS

Segment 4 and 5 – Package 3

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: CHPE		City/County: Wilton/	Saratoga	Sampling Date: 8/4/22		
Applicant/Owner: TDI			State: NY	Sampling Point: P3-J Wet PFO		
Investigator(s): J. Greaves & C. Scrivner		Section, To	wnship, Range:	<u> </u>		
Landform (hillside, terrace, etc.): Depression	on Local re	elief (concave, conve	x, none): Concave	Slope %: 3		
Subregion (LRR or MLRA): LRR R	Lat: 43 08 21N	•	-73 42 25W	Datum: WGS84		
Soil Map Unit Name: DeA - Deerfield loamy			NWI classification:			
Are climatic / hydrologic conditions on the site		Yes X	,	explain in Remarks.)		
Are Vegetation, Soil, or Hydro			nal Circumstances" prese			
Are Vegetation, Soil, or Hydro	ologynaturally problemat	tic? (If needed	d, explain any answers in	Remarks.)		
SUMMARY OF FINDINGS – Attach	site map showing samp	pling point loca	tions, transects, im	portant features, etc.		
Hydrophytic Vegetation Present?	Yes X No	Is the Sampled A	rea			
Hydric Soil Present?	Yes X No	within a Wetland	? Yes X	No		
Wetland Hydrology Present?	Yes X No	If yes, optional We	tland Site ID: Wetland	P3-J near flag 4B		
Remarks: (Explain alternative procedures he	ere or in a separate report.)					
Red maple hardwood swamp.						
HYDROLOGY						
Wetland Hydrology Indicators:				ninimum of two required)		
Primary Indicators (minimum of one is requir			Surface Soil Cracks			
Surface Water (A1)	x Water-Stained Leaves (B	39)	x Drainage Patterns (·		
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B	·		
Saturation (A3)	Marl Deposits (B15)	24)	Dry-Season Water			
Water Marks (B1) Sediment Deposits (B2)	Hydrogen Sulfide Odor (C Oxidized Rhizospheres or	•	Crayfish Burrows (C			
Drift Deposits (B3)	Presence of Reduced Iron		oots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1)			
Algal Mat or Crust (B4)	Recent Iron Reduction in			·		
Iron Deposits (B5)	Thin Muck Surface (C7)	Tilled Oolis (Oo)	oils (C6) <u>x</u> Geomorphic Position (D2) Shallow Aquitard (D3)			
Inundation Visible on Aerial Imagery (B7		(2)	x Microtopographic R	·		
Sparsely Vegetated Concave Surface (E	· — · · ·	(3)	X FAC-Neutral Test (I			
Field Observations:			<u></u>			
Surface Water Present? Yes	No x Depth (inches):					
Water Table Present? Yes	No x Depth (inches):					
Saturation Present? Yes	No x Depth (inches):		d Hydrology Present?	Yes X No		
(includes capillary fringe)			, ,			
Describe Recorded Data (stream gauge, mo	onitoring well, aerial photos, prev	vious inspections), if	available:			
Remarks:						

VEGETATION – Use scientific names of plants.

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Acer rubrum	90	Yes	FAC	
2.				Number of Dominant Species That Are OBL, FACW, or FAC:6(A)
3. 4.				Total Number of Dominant Species Across All Strata: 6 (B)
5.6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.				Prevalence Index worksheet:
	90	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')		•		OBL species 30 x 1 = 30
1. Ilex verticillata	15	Yes	FACW	FACW species 85 x 2 = 170
Cornus racemosa	15	Yes	FAC	FAC species 110 x 3 = 330
3. Vaccinium corymbosum	10	Yes	FACW	FACU species 0 x 4 = 0
4.				UPL species 0 x 5 = 0
				Column Totals: 225 (A) 530 (B)
6				Prevalence Index = B/A = 2.36
7.				Hydrophytic Vegetation Indicators:
··	40	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		·		X 2 - Dominance Test is >50%
Osmundastrum cinnamomeum	60	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
Osmunda spectabilis	30	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting
Arisaema triphyllum	5	No	FAC	data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				Problematic Hydrophytic Vegetation (Explain)
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
	95	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				
· · · · · · · · · · · · · · · · · · ·				Woody vines – All woody vines greater than 3.28 ft in height.
				neight.
3.				Hydrophytic
				Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Sampling Point: P3-J Wet PFO

SOIL Sampling Point P3-J Wet PFO

Profile Desc	ription: (Describe t	o the de	pth needed to docu	ıment tl	he indica	ator or co	onfirm the absence o	f indicators.)	
Depth	Matrix			Featur					
(inches)	Color (moist)		Color (moist)		Type ¹	<u>Loc²</u>	Texture	Remarks	
0-9	10YR 2/1		7.5YR 3/4	10	<u> </u>	PL_	Loamy/Clayey	Prominent redox concentrations	
			5YR 4/6		<u> </u>			Prominent redox concentrations	
9-14	10YR 4/1	70	10YR 2/1	5	<u> </u>	<u>m</u>	Sandy	Faint redox concentrations	
			10YR 5/4		<u> </u>	<u>m</u>		Distinct redox concentrations	
			5YR 4/6	5	<u> </u>	<u>m</u>		Prominent redox concentrations	
14-19	10YR 5/4	65	10YR 6/8	5		<u>m</u>	Sandy	Prominent redox concentrations	
			10YR 2/1	_30_	С	m		Distinct redox concentrations	
¹ Type: C=Co	ncentration. D=Depl	etion. RN	———— И=Reduced Matrix, М	 IS=Mas	ked Sand	Grains.	² Location: P	PL=Pore Lining, M=Matrix.	
Hydric Soil I		,	,			_		or Problematic Hydric Soils ³ :	
Histosol (Dark Surface (S	37)				uck (A10) (LRR K, L, MLRA 149B)	
	ipedon (A2)		Polyvalue Belov	-	ce (S8) (LRR R.	Coast Prairie Redox (A16) (LRR K, L, R)		
Black His			MLRA 149B)		() (. ,	5 cm Mucky Peat or Peat (S3) (LRR K, L, R)		
	n Sulfide (A4)		Thin Dark Surfa		(I RR R	MIRA		ie Below Surface (S8) (LRR K, L)	
	Layers (A5)		High Chroma S					rk Surface (S9) (LRR K, L)	
	Below Dark Surface	(A11)	Loamy Mucky N				Iron-Manganese Masses (F12) (LRR K, L, R)		
	rk Surface (A12)	(\(\times\)	Loamy Gleyed			ι Χ (Χ, ∟)		nt Floodplain Soils (F19) (MLRA 149B)	
			Depleted Matrix		12)				
I —	odic (A17)				·6)			rent Material (F21) (outside MLRA 145)	
	A 144A, 145, 149B)		X Redox Dark Su					allow Dark Surface (F22)	
I —	ucky Mineral (S1)		Depleted Dark				Other (E	explain in Remarks)	
	leyed Matrix (S4) edox (S5)		Marl (F10) (LRI	,	0)		3Indicate	ors of hydrophytic vegetation and	
					(24) (84) F	DA 445\			
Stripped	Matrix (S6)		Red Parent Ma	teriai (F	21) (IVILI	KA 145)		nd hydrology must be present, s disturbed or problematic.	
Restrictive L	ayer (if observed):								
Type: _									
Depth (in	ches):						Hydric Soil Prese	nt? Yes <u>X</u> No	
Remarks:									
1									



Wetland P3-J - View facing west



Wetland P3-J - Soils

SITE PHOTOGRAPHS

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: CHPE	(City/County: Wilton/S	Saratoga	Sampling Date: 8/4/22			
Applicant/Owner: TDI			State: NY	Sampling Point: P3-J Upl			
Investigator(s): J. Greaves & C. Scrivner		Section, To	wnship, Range:	<u> </u>			
Landform (hillside, terrace, etc.): Hillslope	Local re	elief (concave, conve	x, none): Convex	Slope %: 50			
Subregion (LRR or MLRA): LRR R	 Lat:	Long:	· -	 Datum: WGS84			
Soil Map Unit Name: DeA - Deerfield loamy			NWI classification:				
Are climatic / hydrologic conditions on the site				ovaloin in Domarke)			
		Yes X		explain in Remarks.)			
Are Vegetation, Soil, or Hydro			nal Circumstances" prese				
Are Vegetation, Soil, or Hydro			d, explain any answers in	•			
SUMMARY OF FINDINGS – Attach	site map showing samp	pling point loca	tions, transects, in	nportant features, etc.			
Hydrophytic Vegetation Present?	Yes Nox	Is the Sampled A	rea	1			
Hydric Soil Present?	Yes No x	within a Wetland	? Yes	No <u>x</u>			
Wetland Hydrology Present?	Yes No x	If yes, optional We	tland Site ID: Upland a	adjacent to Wetland P3-J			
Remarks: (Explain alternative procedures he	ere or in a separate report.)						
Railroad embankment.							
HYDROLOGY							
Wetland Hydrology Indicators:			-	minimum of two required)			
Primary Indicators (minimum of one is require			Surface Soil Cracks				
Surface Water (A1)	Water-Stained Leaves (B	9)	Drainage Patterns (B10) Moss Trim Lines (B16)				
High Water Table (A2) Saturation (A3)	Aquatic Fauna (B13) Marl Deposits (B15)		Dry-Season Water Table (C2)				
Water Marks (B1)	Hydrogen Sulfide Odor (C						
Sediment Deposits (B2)	Oxidized Rhizospheres or						
Drift Deposits (B3)	Presence of Reduced Iron	· · · · · · · · · · · · · · · · · · ·					
Algal Mat or Crust (B4)	Recent Iron Reduction in						
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)					
Inundation Visible on Aerial Imagery (B7	Other (Explain in Remark	s)) Microtopographic Relief (D4)				
Sparsely Vegetated Concave Surface (B	i8)		FAC-Neutral Test (D5)			
Field Observations:							
Surface Water Present? Yes	No x Depth (inches):						
Water Table Present? Yes	No x Depth (inches):						
Saturation Present? Yes	No x Depth (inches):	Wetlan	d Hydrology Present?	Yes No _X_			
(includes capillary fringe)							
Describe Recorded Data (stream gauge, moi	nitoring well, aerial photos, prev	vious inspections), it	available:				
Remarks:							
Nomano.							

VEGETATION – Use scientific names of plants. Sampling Point: P3-J Upl Absolute Indicator Dominant Tree Stratum (Plot size: 30') % Cover Species? Status **Dominance Test worksheet:** 1. **Number of Dominant Species** 2. That Are OBL, FACW, or FAC: 1 (A) 3. Total Number of Dominant 4. Species Across All Strata: 2 (B) 5. Percent of Dominant Species 6. That Are OBL, FACW, or FAC: 50.0% (A/B) Prevalence Index worksheet: =Total Cover Total % Cover of: Multiply by: Sapling/Shrub Stratum (Plot size: 15') OBL species x 1 = **FACW** species 0 x 2 = 2 2. FAC species x 3 = 6 7 x 4 = 3. FACU species 4. UPL species 0 x 5 = 5. Column Totals: 9 (A) Prevalence Index = B/A = 3.78 6. **Hydrophytic Vegetation Indicators:** 7. 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% Herb Stratum (Plot size: 5') Taraxacum officinale Yes **FACU** 3 - Prevalence Index is ≤3.01 4 - Morphological Adaptations¹ (Provide supporting 2. Setaria pumila Yes FAC data in Remarks or on a separate sheet) 3. 4. Problematic Hydrophytic Vegetation¹ (Explain) 5. ¹Indicators of hydric soil and wetland hydrology must 6. be present, unless disturbed or problematic. 7. **Definitions of Vegetation Strata:** 8. 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 9 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: 30' Woody vines - All woody vines greater than 3.28 ft in 1. height.

=Total Cover

Remarks: (Include photo numbers here or on a separate sheet.)

2.

3.

No X

Hydrophytic

Yes ___

Vegetation

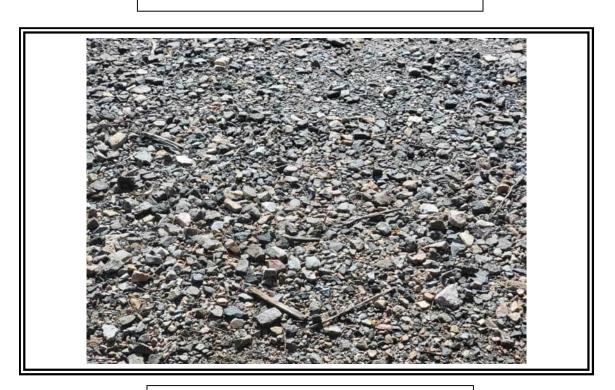
Present?

SOIL Sampling Point P3-J Upl

Profile Desc Depth	ription: (Describe t Matrix	to the de		ument th x Featur		itor or co	onfirm the absence o	f indicato	rs.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture		Remark	rs.
(1101100)	Color (molet)				1700		Toxtaro		Ttoman	
-										
							_			
										-
1 _{Type:} C=Ce	ncentration, D=Depl		4-Doduced Metrix N			Croins	² l coation: F	I -Doro Li	ning, M=Mati	riv
		ellon, Kiv	n-Reduced Matrix, N	/IS-IVIASI	keu Sand	Grains.				
Hydric Soil I			5 10 6 7	07)					matic Hydric	
Histosol	` '		Dark Surface ((LRR K, L, M	=
	ipedon (A2)		Polyvalue Belo		ce (S8) (I	LRR R,			ox (A16) (LR	•
Black His			MLRA 149B	,				-		(LRR K, L, R)
Hydroger	n Sulfide (A4)		Thin Dark Surf		-		49B) Polyvalu	ie Below S	Surface (S8) ((LRR K, L)
Stratified	Layers (A5)		High Chroma S	Sands (S	11) (LR F	R K, L)	Thin Da	rk Surface	(S9) (LRR K	(, L)
Depleted	Below Dark Surface	e (A11)	Loamy Mucky	Mineral ((F1) (LR I	R K, L)	Iron-Mai	nganese M	lasses (F12)	(LRR K, L, R)
Thick Da	rk Surface (A12)		Loamy Gleyed	Matrix (F2)		Piedmoi	nt Floodpla	ain Soils (F19	9) (MLRA 149B)
Mesic Sp	odic (A17)		Depleted Matri	x (F3)			Red Par	ent Materi	al (F21) (out	side MLRA 145)
(MLR	A 144A, 145, 149B)		Redox Dark Su	ırface (F	6)		Very Sh	allow Dark	Surface (F2	2)
-	ucky Mineral (S1)		Depleted Dark		-			xplain in F	-	,
	leyed Matrix (S4)		Redox Depress					•	,	
	edox (S5)		Marl (F10) (LR		3)		³ Indicate	ore of hydr	ophytic vege	tation and
	Matrix (S6)				24) /MI E	OA 44E\				
Stripped	iviatrix (30)		Red Parent Ma	alenai (F.	∠ 1) (IVI ∟ F	(A 145)		-	gy must be p	
Postriotivo I	.ayer (if observed):						unies	3 disturbed	d or problema	ilic.
Type:	.ayer (II observed).									
								_		
Depth (in	ches):						Hydric Soil Prese	nt?	Yes	No X
Remarks:										
Soils consist	of railroad ballast.									



Upland P3-J - View facing northeast



Upland P3-J - Soils

SITE PHOTOGRAPHS

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: CHPE	City/County: Wilton/Saratoga Sampling Date: 8/4/22
Applicant/Owner: TDI	State: NY Sampling Point: P3-K Wet
Investigator(s): J. Greaves & C. Scrivner	Section, Township, Range:
Landform (hillside, terrace, etc.): pit/mound	Local relief (concave, convex, none): concave Slope %: 2
Subregion (LRR or MLRA): LRR R Lat: 42.13731	
Soil Map Unit Name: OaA: Oakville loamy fine sand, nearly level	NWI classification: PFO1
- 	
Are climatic / hydrologic conditions on the site typical for this time of	
Are Vegetation, Soil, or Hydrologysignifican	tly disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally part of the solution is a second of the solution of the solution and the solution is a second of the solution of	problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing	g sampling point locations, transects, important features, etc.
Lhubanh da Vanadain Bassado Van V	In the Complet Area
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No Wetland Hydrology Present? Yes X No	within a Wetland? Yes X No No If yes, optional Wetland Site ID: Wetland P3-K near flag P3-K-5
Remarks: (Explain alternative procedures here or in a separate release Red maple hardwood swamp.	oort.)
The maple mardwood swamp.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply	
Surface Water (A1) x Water-Stained I	• • • • • • • • • • • • • • • • • • • •
High Water Table (A2) Aquatic Fauna (
Saturation (A3) Marl Deposits (B	
Water Marks (B1) Hydrogen Sulfid	
	spheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Re	·
	duction in Tilled Soils (C6) x Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Surfa	
Inundation Visible on Aerial Imagery (B7) Other (Explain in	
x Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No _x Depth	(inches):
	(inches):
	(inches): Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial pho	otos, previous inspections), if available:
Remarks:	

VEGETATION – Use scientific names of plants.

Absolute Dominant Indicator % Cover Species? Status Dominance Test worksheet:		Dominant Species?	Absolute % Cover	size: 30')	Γree Stratum (Plot size:
80 Yes FAC Number of Deminent Species		Yes	80		I. Acer rubrum
Number of Dominant Species No FACW That Are OBL, FACW, or FAC: 5 (A		No	10	ylvanica	2. Fraxinus pennsylvanica
Total Number of Dominant Species Across All Strata: 5 (B					3. 1.
Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A					5. 5.
Prevalence Index worksheet:					7.
90 =Total Cover Total % Cover of: Multiply by:	r	=Total Cover	90		
OBL species 15 x 1 = 15		-		<u>um</u> (Plot size:15')	Sapling/Shrub Stratum (Plo
10 Yes FAC FACW species 70 x 2 = 140		Yes	10	niana	Carpinus caroliniana
10 Yes FAC FAC species 100 x 3 = 300		Yes	10		2. Acer rubrum
5		No	5	mbosum	3. Vaccinium corymbosum
5 No FACW UPL species 0 x 5 = 0		No	5		1. Ilex verticillata
Column Totals: 185 (A) 455					5.
Prevalence Index = B/A = 2.46					 S.
Hydrophytic Vegetation Indicators:					7.
30 =Total Cover 1 - Rapid Test for Hydrophytic Vegetation	 r	=Total Cover	30		
X 2 - Dominance Test is >50%		-		t size: 5')	Herb Stratum (Plot size:
35 Yes FACW X 3 - Prevalence Index is ≤3.0 ¹		Yes	35	cinnamomeum	I. Osmundastrum cinnamo
15 Yes OBL 4 - Morphological Adaptations (Provide suppor					2. Osmunda spectabilis
10 No FACW data in Remarks or on a separate sheet)					3. Onoclea sensibilis
5 No FACW Problematic Hydrophytic Vegetation ¹ (Explain)					1. Carex grayi
1 Indicators of hydric soil and wetland hydrology must present, unless disturbed or problematic.					5. 5.
Definitions of Vegetation Strata:					7.
Tree – Woody plants 3 in. (7.6 cm) or more in diam					3.
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.					l0 l1.
					12.
Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall.	r	=Total Cover	65		
Woody vines – All woody vines greater than 3.28 fi				<u>n</u> (Plot size:)	Woody Vine Stratum (Plo
height.					l
		_			2
Hydrophytic Vegetation					3.
Present? Yes X No					1
=Total Cover	r	=Total Cover			
=Total Cover	r	=Total Cover	rate sheet.)		1.

Sampling Point:

P3-K Wet

SOIL Sampling Point: P3-K Wet

Depth	ription: (Describe to Matrix	o the dep		ment th x Featur		tor or co	nfirm the absence of in	ndicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rema	arks	
0-4	5YR 2.5/1	97	5YR 3/4	3	С	PL	Peat	Distinct redox of	concentrations	
4-8	10YR 2/1	80	10YR 4/4	10	С	m	Loamy/Clayey	Distinct redox of	concentrations	
			10YR 4/1	10	d	m				
8-20	2.5Y 2.5/1	80	10YR 5/3	20		m	Sandy	Distinct redox of	concentrations	
¹ Type: C=Co	oncentration, D=Deple	etion, RM:	=Reduced Matrix, M	S=Mask	ed Sand	Grains.	² Location: PL	=Pore Lining, M=Ma	atrix.	
Hydric Soil I								r Problematic Hyd		
Histosol	` '		Dark Surface (,	oo (CO) (I	DD D		k (A10) (LRR K, L,	,	
Black His	ipedon (A2) stic (A3)		Polyvalue Below MLRA 149B		ce (58) (L	LKK K,	Coast Prairie Redox (A16) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)			
	n Sulfide (A4)		Thin Dark Surfa		(LRR R,	MLRA 1		Below Surface (S8		
x Stratified	` '		High Chroma S				Thin Dark Surface (S9) (LRR K, L)			
	Below Dark Surface	(A11)	Loamy Mucky I				Iron-Manganese Masses (F12) (LRR K, L, R)			
Thick Da	rk Surface (A12)		Loamy Gleyed	Matrix (I	F2)		Piedmont Floodplain Soils (F19) (MLRA 149B)			
Mesic Sp	oodic (A17)		Depleted Matrix	(F3)			Red Pare	nt Material (F21) (o	utside MLRA 145)	
•	A 144A, 145, 149B)		X Redox Dark Su					low Dark Surface (F	=22)	
	ucky Mineral (S1)		Depleted Dark				Other (Ex	plain in Remarks)		
	leyed Matrix (S4)		x Redox Depress		8)		3 _{In diantar}		ratation and	
	edox (S5) Matrix (S6)		Marl (F10) (LR) Red Parent Ma		21) (MI B	Λ 1/15)		s of hydrophytic veg I hydrology must be		
отпресс	Wattix (OO)		Red Farent Wa	teriai (i .	21) (IVIL IV	IA 140)		disturbed or probler		
Restrictive L	ayer (if observed):									
Type:										
Depth (in	iches):						Hydric Soil Present	? Yes X	No	
Remarks:										



Wetland P3-K - View facing west/southwest



Wetland P3-K - Soils

SITE PHOTOGRAPHS

Segment 4 and 5 – Package 3

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: CHPE	City/County: Wilton/Saratoga S	Sampling Date: 8/4/22			
Applicant/Owner: TDI	State: NY	Sampling Point: P3-K Upl			
Investigator(s): J. Greaves & C. Scrivner	Section, Township, Range:				
	elief (concave, convex, none): None	Slope %: 0			
Subregion (LRR or MLRA): LRR R Lat: 42.13726°N	Long: -73.70833°W	 Datum: WGS84			
Soil Map Unit Name: OaA: Oakville loamy fine sand, nearly level		NA			
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, ex	plain in Remarks.)			
Are Vegetation , Soil , or Hydrology significantly distur	ped? Are "Normal Circumstances" present	? Yes X No			
Are Vegetation, Soil, or Hydrologynaturally problem		emarks.)			
SUMMARY OF FINDINGS – Attach site map showing sar					
Hydrophytic Vegetation Present? Yes No x	Is the Sampled Area				
Hydric Soil Present? Yes No x	within a Wetland? Yes	No x			
Wetland Hydrology Present? Yes No x	If yes, optional Wetland Site ID: Upland adjacer				
HYDROLOGY					
	O damada dia atau (min	·			
Wetland Hydrology Indicators:	Secondary Indicators (min				
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) Water Stained Leaves (A1)	Surface Soil Cracks (I	,			
Surface Water (A1) Water-Stained Leaves (High Water Table (A2) Aquatic Fauna (B13)	B9) Drainage Patterns (B10) Moss Trim Lines (B16)				
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)				
Water Marks (B1) Hydrogen Sulfide Odor					
Sediment Deposits (B2) Oxidized Rhizospheres					
Drift Deposits (B3) Presence of Reduced In					
Algal Mat or Crust (B4)Recent Iron Reduction i	<u> </u>				
Iron Deposits (B5)Thin Muck Surface (C7)	Shallow Aquitard (D3)				
Inundation Visible on Aerial Imagery (B7) Other (Explain in Rema	(s) Microtopographic Reli	ief (D4)			
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5	j)			
Field Observations:					
Surface Water Present? Yes No x Depth (inches):					
Water Table Present? Yes No x Depth (inches):					
Saturation Present? Yes No x Depth (inches):	Wetland Hydrology Present?	Yes No _X			
(includes capillary fringe)	· · · · · · · · · · · · · · · · · · ·				
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pro	vious inspections), if available:				
Remarks:					

VEGETATION – Use scientific names of plants.

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:				
1. Pinus strobus	10	Yes	FACU	New Age of Page in a 1 October				
2. Prunus serotina	10	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)				
3. Quercus alba	10	Yes	FACU					
4.	1	<u> </u>		Total Number of Dominant Species Across All Strata: 6 (B)				
5.		<u> </u>		``,				
6.		·		Percent of Dominant Species That Are OBL, FACW, or FAC: 16.7% (A/B)				
7.		<u> </u>		Prevalence Index worksheet:				
	30	=Total Cover		Total % Cover of: Multiply by:				
Sapling/Shrub Stratum (Plot size: 15')		-		OBL species 0 x 1 = 0				
1. Prunus serotina	10	Yes	FACU	FACW species 0 x 2 = 0				
2. Quercus alba	10	Yes	FACU	FAC species 50 x 3 = 150				
3. Pinus strobus	2	No	FACU	FACU species 52 x 4 = 208				
4.		· ·		UPL species 10 x 5 = 50				
5.		· ·		Column Totals: 112 (A) 408 (B)				
6.				Prevalence Index = B/A = 3.64				
7.				Hydrophytic Vegetation Indicators:				
	22	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation				
Herb Stratum (Plot size: 5')	-	-		2 - Dominance Test is >50%				
1. Setaria pumila	50	Yes	FAC	3 - Prevalence Index is ≤3.0 ¹				
Verbascum thapsus	5	No	UPL	4 - Morphological Adaptations ¹ (Provide supporting				
3. Lepidium campestre	5	No	UPL	data in Remarks or on a separate sheet)				
4.		<u> </u>		Problematic Hydrophytic Vegetation ¹ (Explain)				
6				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.				
7				Definitions of Vegetation Strata:				
8.								
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.				
10.								
11.	(Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.				
12.								
·-·	60	=Total Cover		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.				Woody vines – All woody vines greater than 3.28 ft in height.				
2.								
2				Hydrophytic				
4				Vegetation Present? Yes No _ X				
4.		=Total Cover		103 NOX				
Remarks: (Include photo numbers here or on a separ	ata shoot)	_ Total Gover						
include proto furibers here of our a separ	ate sneet.)							

P3-K Upl

Sampling Point:

SOIL Sampling Point: P3-K Upl

Profile Desc Depth	ription: (Describe to Matrix	o the dep		ment the x Feature		or or co	nfirm the absence of i	indicators.)	
(inches)	Color (moist)	%		%	Type ¹	Loc ²	Texture	Rem	orke
(inches)	Color (moist)	70	Color (moist)	70	туре	LOC	rexture	Keiii	aiks
							·		
			1						
1			D. L. HAGE M			<u> </u>	21	Describer M.M.	-1.:
	ncentration, D=Deple	etion, RIVI	=Reduced Matrix, M	S=IVIask	ed Sand	Grains.		L=Pore Lining, M=M	
Hydric Soil I								or Problematic Hyd	
Histosol	(A1)		Dark Surface (ck (A10) (LRR K, L,	
Histic Ep	ipedon (A2)		Polyvalue Belo	w Surfac	ce (S8) (L	.RR R,	Coast Pr	airie Redox (A16) (L	.RR K, L, R)
Black His	stic (A3)		MLRA 149B)			5 cm Mu	cky Peat or Peat (S	3) (LRR K, L, R)
Hydroger	n Sulfide (A4)		Thin Dark Surfa	ace (S9)	(LRR R,	MLRA 1	49B) Polyvalue	e Below Surface (S8	B) (LRR K, L)
Stratified	Layers (A5)		High Chroma S	ands (S	11) (LRR	k K, L)	Thin Dar	k Surface (S9) (LRF	R K, L)
Depleted	Below Dark Surface	(A11)	Loamy Mucky I	Mineral (F1) (LRR	R K, L)	Iron-Man	ganese Masses (F1	2) (LRR K, L, R)
	rk Surface (A12)	,	Loamy Gleyed			. ,		t Floodplain Soils (F	
	odic (A17)		Depleted Matrix	,	_,			ent Material (F21) (o	
			Redox Dark Su	, ,	6)				•
	A 144A, 145, 149B)			,	•			allow Dark Surface (F22)
	ucky Mineral (S1)		Depleted Dark				Other (Ex	xplain in Remarks)	
	eyed Matrix (S4)		Redox Depress		3)		2		
Sandy Re	edox (S5)		Marl (F10) (LR	R K, L)			³ Indicato	rs of hydrophytic ve	getation and
Stripped	Matrix (S6)		Red Parent Ma	terial (F2	21) (MLR	A 145)	wetlan	d hydrology must be	present,
							unless	disturbed or proble	matic.
Restrictive L	ayer (if observed):								
Type:	Rock/Ba	allast							
									N V
Depth (in	cnes):	0					Hydric Soil Presen	t? Yes	No <u>X</u>
Remarks:									
Soils consist	of railroad ballast.								



Upland P3-K - View facing south



Upland P3-K - Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site:	Champlain Huds	on Express		City/Cour	nty: Saratog	a	Sampling Da	ate: December 1, 2021	
Applicant/Owner:	СНА			State:	NY		Sampling Poi	nt: DP-BX	
Investigator(s):	Tristen Peterson	<u> </u>		Section, To	ownship, Range:	Wilton			
Landform (hillslope,	-	Depression		,	f (concave, conve		oncave	Slope (%): 1	
	•	LRR R		Lat: 43.136383	•	ong: -73.709164		Datum: NAD83	
Subregion (LRR or	-			Ldl. 40.100000)*IN	<u> </u>		_	
Soil Map Unit Name		am loamy sand			<u> </u>		•	Not Mapped	
Are climatic / hydrol		• • • • • • • • • • • • • • • • • • • •					explain in Remarks.)		
				gnificantly disturbed		e "Normal Circums	stances" present?	Yes X No	
Are Vegetation	, Soil	, or Hydrology	na	aturally problematic?	? (If	needed, explain a	ny answers in Remai	ks.)	
SUMMA	ARY OF FIND	NGS – Attach	site map	showing sam	npling point l	ocations, tra	nsects, importa	nt features, etc.	
Hydrophytic Vege	etation Present?	Yes	ΧN	o 0	Is the Sample	d Area			
Hydric Soil Prese		Yes	X N		within a Wetla		Yes X	lo	
Wetland Hydrolog	gy Present?	Yes	X N	0	If yes, optional	Wetland Site ID:	вх	_	
HYDROLOGY									
Wetland Hydrolo	av Indicators:					Se	econdary Indicators (minimum of two required)	
		is required; check	all that anni	w)			Surface Soil Cracks (
Surface Wat		15 required, oricon		y) er-Stained Leaves (F	R9)		Drainage Patterns (B	•	
X High Water				atic Fauna (B13)		Moss Trim Lines (B16)			
X Saturation (A				Deposits (B15)			Dry-Season Water Ta		
Water Marks	s (B1)		Hydr	ogen Sulfide Odor ((C1)	(Crayfish Burrows (C8	3)	
Sediment De	posits (B2)		Oxid	ized Rhizospheres	on Living Roots (C3)	Saturation Visible on	Aerial Imagery (C9)	
Drift Deposit	-			ence of Reduced Iro	` '		Stunted or Stressed I		
Algal Mat or	* *			ent Iron Reduction in	-	· · · · · · · · · · · · · · · · · · ·			
Iron Deposits	s (B5) 'isible on Aerial Im			Muck Surface (C7)		Shallow Aquitard (D3) X Microtopographic Relief (D4)			
	getated Concave S		Otile	r (Explain in Remar	iks)		FAC-Neutral Test (D		
Field Observatio		,				_	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Surface Water Pre		Yes No	X_ Dep	oth (inches):					
Water Table Pres	ent?	Yes X No	Dep	oth (inches): 3		Wetland Hydro	logy Present?	res X No	
Saturation Preser	nt?	Yes X No	Dep	oth (inches): 2					
(includes capillary									
Describe Recorde	ed Data (stream ga	auge, monitoring w	ell, aeriai pn	otos, previous inspe	ections), if avallat	ole:			
Remarks:									

(Plot size: 30 ft.)

Tree Stratum

1. Acer rubrum

Fraxinus pennsylvanica	25	Yes	FACW	Total Number of Dominant				
3. Quercus alba	10	No	FACU	Species Across All Strata: 3				
4. Fagus grandifolia	5	No	FACU	Percent of Dominant Species				
5				That Are OBL, FACW, or FAC: 100				
6.								
7				Prevalence Index worksheet: Total % Cover of:	Multiply by:			
	70	= Total Cover			x 1 = 0	_		
Sapling/Shrub Stratum (Plot size: 15 ft.)					$x = \frac{110}{1}$			
4				•	x = 3 = 90			
<u> </u>					x 4 = 60			
2				UPL species 0	x 5 = 0			
3				Column Totals: 100	(A) <u>260</u>	(B)		
4								
5				Prevalence Index = B/A = 2	<u>'</u> .6			
6				Hydrophytic Vegetation Indicate	ors:			
7				1 - Rapid Test for Hydrophyt	ic Vegetation			
				X 2 - Dominance Test is >50%				
Herb Stratum (Plot size: 5 ft.)	0	= Total Cover		X 3 - Prevalence Index is ≤3.0° 4 - Morphological Adaptation		a		
·				data in Remarks or on a		9		
Onoclea sensibilis	30	Yes	FACW		. 1			
2				Problematic Hydrophytic Veg				
3				Indicators of hydric soil and wetland hydrology must				
4				be present, unless disturbed or problematic.				
5				Definitions of Vegetation Strata:				
6.				Tree – Woody plants 3 in. (7.6 cm	ı) or more in diameter			
7				at breast height (DBH), regardless	s of height.			
8.				Sapling/shrub – Woody plants le	ss than 3 in. DBH			
				and greater than or equal to 3.28	ft (1 m) tall.			
9				Herb – All herbaceous (non-wood	ly) plants, regardless	of		
10				size, and woody plants less than 3	3.28 ft tall.			
11				Woody vines – All woody vines g	reater than 3.28 ft in			
12				height.				
	30	= Total Cover						
Woody Vine Stratum (Plot size: 30 ft.)								
1								
2.				Hydrophytic				
3				Vegetation Present? Yes	X No			
4								
-		Total Caver						
	0	= Total Cover		<u> </u>				
Remarks: (Include photo numbers here or on a separate sheet.)								

Absolute

% Cover

30

Dominant

Species?

Yes

Indicator

Status

FAC

SOIL Sampling Point: DP-BX Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Color (moist) Color (moist) Remarks (inches) % Texture 10YR 2/1 100 Clay Loam 0-8 2.5Y 5/4 100 ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ²Location: PL=Pore Lining, M=Matrix. **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L, M) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L, R) X Depleted Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Red Parent Material (F21) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: None Depth (inches): Hydric Soil Present? Yes No Remarks:



Wetland BX- View facing North



Wetland BX- Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Andform (hillslope, terrace, etc.): Plain	Project/Site:	Champlain Hud	son Express		City/Count	ty: Saratoga		Sampling Date:	December 1, 2021		
Andorm (hibitope, terrace, etc.): Plain	Applicant/Owner:	CHA			State:	NY		Sampling Point:	DP-BX-Upland		
Subregion (LRR or MLRA): LRR	Investigator(s):	Tristen Peterso	n		Section, To	wnship, Range:	Wilton				
Subregion (LRR or MLRA): LRR	Landform (hillslope	e. terrace. etc.):	Plain		Local relief	(concave, convex.	none): Convex		Slope (%): 1		
Soli Map Unit Name: War Wareham loanny sand		·									
Ave climatic / hydrologic conditions on the site typical for this time of year? Yes X No (If no, explain in Remarks.)	· ·	•			Lat. 43.130440	TO LONG		· · · · · · · · · · · · · · · · · · ·			
Are "Normal Circumstances" present? Yes X No No X	·		•						ларреа		
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present?	Are climatic / hydro	logic conditions o	n the site typical fo	r this time of yea	ır? Yes	XNo	(If no, explain	in Remarks.)			
SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc. Hydrophytic Vegetation Present?	Are Vegetation _	, Soil	, or Hydrology	signif	icantly disturbed?	? Are "l	Normal Circumstances	" present?	Yes X No		
Hydrophytic Vegetation Present? Yes No X within a Wetland? Wetland Hydrology Present? Yes No X if yes, optional Wetland Site ID: **Presentars**: (Explain alternative procedures here or in a separate report.) Upland Data Point for Wetland BX located on top of slight hillslope, adjacent to top of bank. **Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) High Water Table (A2) Saturation (A3) Surface Water (A1) Hydrogen Sulfide Odor (C1) Sediment Deposits (B1) Sediment Deposits (B2) Solf Cracks (B3) Solf Cracks (B4) Solf Cracks (B4) Solf Cracks (B5) Solf Cracks (B6) Solf Cra	Are Vegetation	, Soil	, or Hydrology	natura	ally problematic?	(If nee	eded, explain any ansv	vers in Remarks.)			
Hydric Soil Present? Wetland Hydrology Present? Wetland Hydrology Present? Wetland BX located on top of slight hillslope, adjacent to top of bank. HYDROLOGY Wetland BX located on top of slight hillslope, adjacent to top of bank. HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) High Water Table (A2) Saturation (A3) Manf Deposits (B15) Saturation (A3) Manf Deposits (B15) Diffit Deposits (B2) Diffit Deposits (B2) Diffit Deposits (B2) Diffit Deposits (B3) Presence of Reduced Iron (C4) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Iron Deposits (B5) Thin Muck Surface (C7) Sparsey Vegetated Concave Surface (B8) Field Observations: Surface Water (A1) Sparsey Vegetated Concave Surface (B8) Presence of Reduced Iron (C4) Sparsey Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Aguage, monitoring well, aerial photos, previous inspections), if available: Remarks:	SUMM	ARY OF FIND	INGS – Attach	n site map s	howing sam	pling point lo	cations, transect	s, important f	features, etc.		
Hydric Soil Present? Wetland Hydrology Present? Wetland Hydrology Present? Wetland BX located on top of slight hillslope, adjacent to top of bank. HYDROLOGY Wetland BX located on top of slight hillslope, adjacent to top of bank. HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of two required) Surface Soil Cracks (B6) Surface Water (A1) High Water Table (A2) Aquatic Fauna (B13) Adard Deposits (B15) Saturation (A3) Math Deposits (B15) Softine Deposits (B2) Drift Deposits (B2) Drift Deposits (B3) Presence of Reduced Iron (C4) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Iron Deposits (B5) In Muck Surface (B7) Thin Muck Surface (C7) Sparsey Vegetated Concave Surface (B8) Presence of Reduced Iron (C4) Sparsey Vegetated Concave Surface (B8) Surface Water (A1) Recent Iron Reduction in Tilled Soils (C6) Sparsey Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Field Observations: Surface Water Agauge, monitoring well, aerial photos, previous inspections), if available: Remarks:	Hydrophytic Vogs	otation Bracont?	Voc	No		Is the Compled A	Nr.o.o				
Wetland Hydrology Present? Wetland BX located on top of slight hillslope, adjacent to top of bank. Hydrology Hydrology Indicators Secondary Indicators (minimum of two required)			•					No	<u>X</u>		
Primary Indicators (minimum of two required) Primary Indicators (minimum of two required) Surface Soil Cracks (B6) Surface Water (A1) High Water Table (A2) Water Marks (B1) Agail Mat or Crust (B4) Indicators (B3) Algal Mat or Crust (B4) Indicator (B4) Algal Mat or Crust (B4) Indicator (B5) Algal Mat or Crust (B4) Indicator (B7) Algal Mat or Crust (B4) Indicator (B7) Algal Mat or Crust (B4) Indicators (Minimum of two required) Secondary Indicators (minimum of two required) Surface Soil Cracks (B6) Drainage Patterns (B10) Moss Trim Lines (B16) Drainage Patterns (B10) Moss Trim Lines (B16) Dry-Season Water Table (C2) Crayfish Burrows (C8) Sediment Deposits (B1) Algal Mat or Crust (B4) Indicators (Minimum of two required) Presence of Reduced Iron (C4) Sunted or Stressed Plants (D1) Algal Mat or Crust (B4) Indicators (B7) Algal Mat or Crust (B4) Indicators (B7) Algal Mat or Crust (B4) Indicators (B7) Algal Mat or Crust (B4) FAC-Neutral Test (D5) Field Observations: Wetland Hydrology Present? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches): Wetland Hydrology Present? Yes	·		-			If ves optional We	etland Site ID:				
HYDROLOGY Wetland Hydrology Indicators: Primary Indicators (minimum of one is required; check all that apply) Surface Soil Cracks (B6) Surface Water (A1) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Dry-Season Water Table (C2) Water Marks (B1) Pydrogen Sulfide Odor (C1) Craylish Burrows (C8) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation (A3) Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (C6) Inundation Visible on Aerial Imagery (B7) Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) FAC-Neutral Test (D5) Recent Recent Iron Ches): Water Table Present? Yes No X Depth (inches): Wetland Hydrology Present? Y			•			,, -, -					
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10) High Water Table (A2) Aquatic Fauna (B13) Moss Trim Lines (B16) Dry-Season Water Table (C2) Water Marks (B1) Sediment Deposits (B2) Drift Deposits (B3) Algal Mat or Crust (B4) In Deposits (B5) In Deposits (B5) In Undation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Depth (inches): Wetland Hydrology Present? Yes No X Depth (inches): Remarks: Remarks: Remarks:	HYDROLOGY						Seconda	o Indicators (minir	mum of two required)		
Surface Water (A1)	=								num of two required)		
High Water Table (A2) Saturation (A3) Marl Deposits (B15) Dry-Season Water Table (C2) Water Marks (B1) Hydrogen Sulfide Odor (C1) Sediment Deposits (B2) Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9) Iron Deposits (B3) Presence of Reduced Iron (C4) Stunted or Stressed Plants (D1) 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) Sparsely Vegetated Concave Surface (B8) Field Observations: Surface Water Present? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches): Wetland Hydrology Present? Yes No X Depth (inches): Wetland Hydrology Present? Yes No X Depth (inches): Remarks:	-		e is required; check		/5						
Saturation (A3)											
Water Marks (B1)									(00)		
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) Field Observations: Surface Water Present? Water Table Present? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches): Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No X Depth (inches): Wetland Hydrology Present? Yes No X Depth (inches): Geomorphic Position (D2) Shallow Aquitard (D3) Microtopographic Relief (D4) FAC-Neutral Test (D5) Wetland Hydrology Present? Yes No X Depth (inches): Gincludes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		•				04)	<u> </u>				
Drift Deposits (B3)					-	-	<u>—</u>				
Algal Mat or Crust (B4)					•						
Iron Deposits (B5)							<u> </u>				
Inundation Visible on Aerial Imagery (B7)						(11,	· · · · · · · · · · · · · · · · · · ·				
Field Observations: Surface Water Present? Yes No _X Depth (inches): Water Table Present? Yes No _X Depth (inches): Saturation Present? Yes No _X Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:			nagery (B7)		* *	ks)					
Surface Water Present? Yes No X Depth (inches): Water Table Present? Yes No X Depth (inches): Saturation Present? Yes No X Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:	Sparsely Ve	getated Concave	Surface (B8)		•		FAC-Ne	eutral Test (D5)	·		
Water Table Present? Yes No X Depth (inches): Wetland Hydrology Present? Yes No X Saturation Present? Yes No X Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:	Field Observation	ons:									
Saturation Present? Yes No X Depth (inches): (includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:	Surface Water Pr	esent?									
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:	Water Table Pres	sent?				\ \	Wetland Hydrology P	resent? Yes	No <u>X</u>		
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Remarks:			Yes No	X Depth ((inches):						
Remarks:				vall parial photo	o provious inspe	ations) if available					
	Describe Records	eu Data (Stream g	jauge, monitoring w	reli, aeriai priotos	s, previous irispec	ctions), ii avaliable					
No wetland hydrology present at data point											
	No wetland hyd	Irology present	at data point								

ree Stratum (Plot size: 30 ft.)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
· · · · · · · · · · · · · · · · · · ·				Number of Dominant Species	
Pinus strobus	30	Yes	FACU	That Are OBL, FACW, or FAC:	(A)
Quercus rubra	10	Yes	FACU	Total Number of Dominant	
				Species Across All Strata:	(B)
				Percent of Dominant Species	
				That Are OBL, FACW, or FAC:	(A/E
				Prevalence Index worksheet:	Multiply by
		- Total Cayor		Total % Cover of:	Multiply by:
	40	= Total Cover			x 1 = 0
oling/Shrub Stratum (Plot size: 15 ft.)				· ·	x = 0
					x 4 = 240
				UPL species 5	
				Column Totals: 65	(A) <u>265</u> (B
				Prevalence Index = B/A =	4.07
				Hydrophytic Vegetation Indica 1 - Rapid Test for Hydrophy	
				2 - Dominance Test is >50%	
	0	= Total Cover		3 - Prevalence Index is ≤3.0	
b Stratum (Plot size: 5 ft.)				4 - Morphological Adaptation	
Setaria pumila	20	Yes	FACU	data in Remarks or on a	a separate sheet)
Verbascum X kerneri			UPL	Problematic Hydrophytic Ve	egetation ¹ (Explain)
			OI L		
				¹ Indicators of hydric soil and we' be present, unless disturbed or p	·
				be present, unless disturbed of p	orobiernatic.
				Definitions of Vegetation Strat	a:
				Tree – Woody plants 3 in. (7.6 c	m) or more in diameter
				at breast height (DBH), regardle	ss of height.
				Sapling/shrub – Woody plants I	ess than 3 in. DBH
				and greater than or equal to 3.28	
				Herb – All herbaceous (non-woo	ody) plants, regardless of
)				size, and woody plants less than	
l				Woody vines – All woody vines	greater than 3.28 ft in
2.				height.	groator than 0.20 it in
	25	= Total Cover			
ody Vine Stratum (Plot size: 30 ft.)					
				Hydrophytic	
				Vegetation	
				Present? Yes .	NoX
	0	= Total Cove	r —		
				1	

SOIL Sampling Point: DP-BX-Upland Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Color (moist) Color (moist) (inches) % Texture Remarks 10YR 2/1 100 Silt Gravel refusal ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ²Location: PL=Pore Lining, M=Matrix. **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L, M) Hydrogen Sulfide (A4) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Matrix (F3) Thin Dark Surface (S9) (LRR K, L) Thick Dark Surface (A12) Redox Dark Surface (F6) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Depleted Dark Surface (F7) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Red Parent Material (F21) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: None Hydric Soil Present? Yes No X Depth (inches): Remarks: Could not dig past 4 inches due to gravel refusal, no hydric soils present at data point



Upland BX- View facing North



Upland BX- Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

Project/Site: CHPE		City/County: Wilton/	Saratoga	Sampling Date: 1/4/23
Applicant/Owner: TDI			State: NY	Sampling Point: P3-ZZ Wet
Investigator(s): C. Einstein & J. Greaves		Section, To	wnship, Range:	<u> </u>
Landform (hillside, terrace, etc.): Depressio	on Local re	elief (concave, conve	ex. none): Concave	Slope %: 2
Subregion (LRR or MLRA): LRR R	Lat: 43.114959	•	-73.761770	 Datum: NAD83
Soil Map Unit Name: WnB - Windsor loamy			-	PEM1
Are climatic / hydrologic conditions on the site		Yes x		explain in Remarks.)
			'	,
Are Vegetation, Soil, or Hydrol			nal Circumstances" prese	
Are Vegetation, Soil, or Hydrol	<u> </u>		d, explain any answers in	·
SUMMARY OF FINDINGS – Attach	site map showing samp	pling point loca	tions, transects, im	portant features, etc.
Hydrophytic Vegetation Present?	Yes X No	Is the Sampled A	rea	
Hydric Soil Present?	Yes X No	within a Wetland	? Yes <u>X</u>	No
Wetland Hydrology Present?	Yes X No	If yes, optional We	etland Site ID: near flag	P3-ZZ-4
Remarks: (Explain alternative procedures he				
Common reed marsh within a soil borrow pit.				
HYDROLOGY				
Wetland Hydrology Indicators:	! -!! all that apply)			ninimum of two required)
Primary Indicators (minimum of one is require		20)	Surface Soil Cracks	
Surface Water (A1) X High Water Table (A2)	Water-Stained Leaves (B: Aquatic Fauna (B13)	9)	Drainage Patterns (Moss Trim Lines (B	· ·
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water	•
Water Marks (B1)	Hydrogen Sulfide Odor (C	21)	Crayfish Burrows (C	
Sediment Deposits (B2)	X Oxidized Rhizospheres or	•		n Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron	• ,	Stunted or Stressed	=
Algal Mat or Crust (B4)	Recent Iron Reduction in	` '	X Geomorphic Positio	
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D	
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks	s)	Microtopographic R	elief (D4)
Sparsely Vegetated Concave Surface (B	(8)		X FAC-Neutral Test (I	D5)
Field Observations:				
Surface Water Present? Yes	No X Depth (inches):			
Water Table Present? Yes X	No Depth (inches):	12		
Saturation Present? Yes X	No Depth (inches): _	6 Wetlan	d Hydrology Present?	YesX_ No
(includes capillary fringe)				
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, prev	vious inspections), if	available:	
Remarks:				
Nemana.				

	Absolute	Dominant	Indicator	
<u>Free Stratum</u> (Plot size:30')	% Cover	Species?	Status	Dominance Test worksheet:
·				Number of Dominant Species
•				That Are OBL, FACW, or FAC: 2 (A)
				Total Number of Dominant
·				Species Across All Strata: 2 (B)
i				Percent of Dominant Species
i				That Are OBL, FACW, or FAC: 100.0% (A/B
				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15')				OBL species5 x 1 =5
. Betula populifolia	5	Yes	FAC	FACW species 95 x 2 = 190
				FAC species 5 x 3 = 15
				FACU species 0 x 4 = 0
				UPL species 0 x 5 = 0
				Column Totals: 105 (A) 210 (B
				Prevalence Index = B/A = 2.00
				Hydrophytic Vegetation Indicators:
	5	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
lerb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
Phragmites australis	90	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
Epilobium coloratum	5	No	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Solidago gigantea	5	No	FACW	data in Remarks or on a separate sheet)
				Problematic Hydrophytic Vegetation ¹ (Explain)
j.				<u> </u>
i.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
:				Definitions of Vegetation Strata:
i				Tree – Woody plants 3 in. (7.6 cm) or more in
).				diameter at breast height (DBH), regardless of height
0				Sapling/shrub – Woody plants less than 3 in. DBH
1				and greater than or equal to 3.28 ft (1 m) tall.
2				Herb – All herbaceous (non-woody) plants, regardles
	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Voody Vine Stratum (Plot size:30')				Woody vines – All woody vines greater than 3.28 ft in
				height.
2				
J				Hydrophytic Vegetation
l.				Present? Yes X No
·		=Total Cover		

SOIL Sampling Point P3-ZZ Wet

Profile Desci Depth	ription: (Describe t Matrix	o the de		ıment t l x Featur		ator or co	onfirm the absence of	indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-1	10YR 3/2	100			<u> </u>		Sandy	
1-12	2.5Y 5/2	70	7.5YR 4/6	15		PL/M	Sandy	Prominent redox concentrations
			7.5YR 3/1	15	С			Prominent redox concentrations
12-16	10YR 4/2	95	10YR 3/6	5	С	m	Sandy	Prominent redox concentrations
¹ Type: C=Co	ncentration D=Denk	etion RN	——————————————————————————————————————	 S=Mas	ked San	d Grains	² l ocation: Pl	=Pore Lining, M=Matrix.
Hydric Soil II		Stion, raiv	i-reduced Matrix, iv	IO-IVIA3	ica Gari	d Oranis.		r Problematic Hydric Soils ³ :
Histosol (Dark Surface (S7)				ck (A10) (LRR K, L, MLRA 149B)
Histic Epi	pedon (A2)		Polyvalue Belo	w Surfa	ce (S8) (LRR R,	Coast Pra	airie Redox (A16) (LRR K, L, R)
Black His	tic (A3)		MLRA 149B)			5 cm Muc	cky Peat or Peat (S3) (LRR K, L, R)
Hydroger	Sulfide (A4)		Thin Dark Surfa				I 49B) Polyvalue	Below Surface (S8) (LRR K, L)
	Layers (A5)		High Chroma S	-				Surface (S9) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Mucky			RK,L)		ganese Masses (F12) (LRR K, L, R)
	k Surface (A12)		Loamy Gleyed		F2)			Floodplain Soils (F19) (MLRA 149B)
	odic (A17) A 144A, 145, 149B)		Depleted Matri		E6)			nt Material (F21) (outside MLRA 145) llow Dark Surface (F22)
	ucky Mineral (S1)		Depleted Dark		-			plain in Remarks)
	eyed Matrix (S4)		Redox Depress					plant in Romano)
X Sandy Re			Marl (F10) (LR		-,		³ Indicators	s of hydrophytic vegetation and
X Stripped			Red Parent Ma	-	21) (ML I	RA 145)		d hydrology must be present,
	. ,			`				disturbed or problematic.
	ayer (if observed):							
Type: _								
Depth (in	ches):						Hydric Soil Present	t? Yes <u>X</u> No
Remarks:								



Wetland P3-ZZ - View facing southwest



Wetland P3-ZZ - Soils

Champlain Hudson Power Express

SITE PHOTOGRAPHS

Segment 4 and 5 – Package 3

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

Project/Site: CHPE City/County: Wilton/Saratoga Sampling Date: 1/4/	23
Applicant/Owner: TDI State: NY Sampling Point: F	3-ZZ Upl
Investigator(s): C. Einstein & J. Greaves Section, Township, Range:	
Landform (hillside, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope %:	10
Subregion (LRR or MLRA): LRR R Lat: 43.114642 Long: -73.761566 Datum: NAI	
Soil Map Unit Name: WnB - Windsor loamy sand, 3 to 8 percent slopes NWI classification:	
Are Vegetation, Soil, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No	
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 X No Is the Sampled Area	
Hydric Soil Present? Yes No X within a Wetland? Yes No X	
Wetland Hydrology Present? Yes No X If yes, optional Wetland Site ID: near flag P3-ZZ-4	
Remarks: (Explain alternative procedures here or in a separate report.)	
White pine forest.	ļ
	ľ
	1
HYDROLOGY	
Wetland Hydrology Indicators: Secondary Indicators (minimum of two requires) Secondary Indicators (minimum of two requires)	<u>d)</u>
Primary Indicators (minimum of one is required; check all that apply) Surface Notes (A1) Surface Notes (A2) Surface Notes (A2) Primary Indicators (Minimum of one is required; check all that apply) Surface Notes (A2) Primary Indicators (Minimum of one is required; check all that apply) Surface Notes (A2) Primary Indicators (Minimum of one is required; check all that apply) Surface Notes (A2)	ļ
Surface Water (A1) Water-Stained Leaves (B9) Drainage Patterns (B10)	l
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)	l
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)	ļ
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? Yes No X Depth (inches):	
Water Table Present? Yes No X Depth (inches):	
	X
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	
Tromano.	

Yes No No No otal Cover Yes Yes Yes No otal Cover	FAC FAC FAC FACU	Number of Dominant Species That Are OBL, FACW, or FAC:3(A) Total Number of Dominant Species Across All Strata:5		
No Otal Cover Yes Yes Yes Otal Cover	FAC FAC FACU FAC	That Are OBL, FACW, or FAC: 3 (A) Total Number of Dominant Species Across All Strata: 5 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 60.0% (A/ Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 105 x 3 = 315 FACU species 93 x 4 = 372 UPL species 0 x 5 = 0 Column Totals: 198 (A) 687 (A/ Prevalence Index = B/A = 3.47 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% 3 - Prevalence Index is \leq 3.01 4 - Morphological Adaptations (Provide support		
otal Cover Yes Yes Yes otal Cover	FAC FACU FACU	Total Number of Dominant Species Across All Strata: 5 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 60.0% (A/ Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 105 x 3 = 315 FACU species 93 x 4 = 372 UPL species 0 x 5 = 0 Column Totals: 198 (A) 687 (A/ Prevalence Index = B/A = 3.47 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% 3 - Prevalence Index is $\leq 3.0^{1}$ 4 - Morphological Adaptations (Provide support		
Yes Yes Yes otal Cover	FAC FACU FAC	Species Across All Strata: 5 (B) Percent of Dominant Species That Are OBL, FACW, or FAC: 60.0% (A/ Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 105 x 3 = 315 FACU species 93 x 4 = 372 UPL species 0 x 5 = 0 Column Totals: 198 (A) 687 (A/ Prevalence Index = B/A = 3.47 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% 3 - Prevalence Index is $\leq 3.0^{1}$ 4 - Morphological Adaptations (Provide support		
Yes Yes Yes otal Cover	FAC FACU FAC	Percent of Dominant Species That Are OBL, FACW, or FAC: 60.0% (A/ Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 105 x 3 = 315 FACU species 93 x 4 = 372 UPL species 0 x 5 = 0 Column Totals: 198 (A) 687 (A/ Prevalence Index = B/A = 3.47 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% 3 - Prevalence Index is $\leq 3.0^1$ 4 - Morphological Adaptations (Provide support		
Yes Yes Yes otal Cover	FAC FACU FAC	That Are OBL, FACW, or FAC: 60.0% (A/ Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species 0 x 1 = 0 FACW species 0 x 2 = 0 FAC species 105 x 3 = 315 FACU species 93 x 4 = 372 UPL species 0 x 5 = 0 Column Totals: 198 (A) 687 (A/ Prevalence Index = B/A = 3.47 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% 3 - Prevalence Index is $\leq 3.0^{1}$ 4 - Morphological Adaptations (Provide support		
Yes Yes Yes otal Cover	FAC FACU FAC	Prevalence Index worksheet: Total % Cover of: Multiply by: OBL species $0 \times 1 = 0$ FACW species $0 \times 2 = 0$ FAC species $105 \times 3 = 315$ FACU species $93 \times 4 = 372$ UPL species $0 \times 5 = 0$ Column Totals: $198 \times 6 \times 687 \times 6$ Prevalence Index $= B/A = 3.47$ Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0 ¹ 4 - Morphological Adaptations ¹ (Provide support		
Yes Yes Yes otal Cover	FAC FACU FAC	OBL species 0 $x 1 = 0$ FACW species 0 $x 2 = 0$ FAC species 105 $x 3 = 315$ FACU species 93 $x 4 = 372$ UPL species 0 $x 5 = 0$ Column Totals: 198 (A) 687 (Prevalence Index = B/A = 3.47 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 0 0 0 0 0 0 0 0 0 0		
Yes Yes Yes otal Cover	FAC FACU FAC	OBL species 0 $x 1 = 0$ FACW species 0 $x 2 = 0$ FAC species 105 $x 3 = 315$ FACU species 93 $x 4 = 372$ UPL species 0 $x 5 = 0$ Column Totals: 198 (A) 687 (Prevalence Index = B/A = 3.47 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation $X = 0$ Dominance Test is >50% 3 - Prevalence Index is $\le 3.0^1$ 4 - Morphological Adaptations (Provide support		
Yes Yes otal Cover	FAC FACU FAC	FACW species 0 $x 2 = 0$ FAC species 105 $x 3 = 315$ FACU species 93 $x 4 = 372$ UPL species 0 $x 5 = 0$ Column Totals: 198 (A) 687 (Prevalence Index = B/A = 3.47 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% 3 - Prevalence Index is $\le 3.0^1$ 4 - Morphological Adaptations (Provide support		
Yes otal Cover	FACU	FAC species 105 $\times 3 = 315$ FACU species 93 $\times 4 = 372$ UPL species 0 $\times 5 = 0$ Column Totals: 198 (A) 687 (Prevalence Index = B/A = 3.47 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation $\times 2$ - Dominance Test is >50% 3 - Prevalence Index is $\le 3.0^1$ 4 - Morphological Adaptations (Provide support		
otal Cover	FAC	FACU species 93 x 4 = 372 UPL species 0 x 5 = 0 Column Totals: 198 (A) 687 (Prevalence Index = B/A = 3.47 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% 3 - Prevalence Index is $\leq 3.0^1$ 4 - Morphological Adaptations (Provide support		
otal Cover	FAC	UPL species 0 x 5 = 0 Column Totals: 198 (A) 687 (Prevalence Index = B/A = 3.47 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide support		
Yes		Column Totals: 198 (A) 687 (A) Prevalence Index = B/A = 3.47 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide support		
Yes		Prevalence Index = B/A = 3.47 Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide support		
Yes		Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide support		
Yes		1 - Rapid Test for Hydrophytic Vegetation X 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide support		
Yes		X 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide support		
		3 - Prevalence Index is ≤3.0 ¹ 4 - Morphological Adaptations ¹ (Provide support		
		4 - Morphological Adaptations ¹ (Provide support		
		data in Remarks or on a separate sheet)		
		Problematic Hydrophytic Vegetation ¹ (Explain)		
		1.		
		¹ Indicators of hydric soil and wetland hydrology mus be present, unless disturbed or problematic.		
		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.		
otal Cover		Herb – All herbaceous (non-woody) plants, regardle of size, and woody plants less than 3.28 ft tall.		
		Woody vines – All woody vines greater than 3.28 ft height.		
		Hydrophytic		
		Vegetation Present? Yes X No		
otal Cover				
	otal Cover			

SOIL Sampling Point P3-ZZ Upl

Profile Desc Depth	ription: (Describe t Matrix	o the de		ıment tl x Featur		tor or co	confirm the absence of indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture Remarks
0-10	10YR 3/2	100					Sandy
10-16	10YR 4/4	100					Sandy
¹ Type: C=Co	oncentration, D=Deple	etion, RM	 l=Reduced Matrix, M	 1S=Mas	ked Sand	Grains.	2Location: PL=Pore Lining, M=Matrix.
Hydric Soil I			·				Indicators for Problematic Hydric Soils ³ :
Histosol	(A1)		Dark Surface (S7)			2 cm Muck (A10) (LRR K, L, MLRA 149B)
Histic Ep	pipedon (A2)		Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	Coast Prairie Redox (A16) (LRR K, L, R)
Black His			MLRA 149B)	,			5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		Thin Dark Surfa				
	Layers (A5)		High Chroma S	-			Thin Dark Surface (S9) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Mucky I			R K, L)	Iron-Manganese Masses (F12) (LRR K, L, R
	ark Surface (A12) codic (A17)		Loamy Gleyed Depleted Matrix		F2)		Piedmont Floodplain Soils (F19) (MLRA 149I Red Parent Material (F21) (outside MLRA 1 4
	A 144A, 145, 149B)		Redox Dark Su		·6)		Very Shallow Dark Surface (F22)
	lucky Mineral (S1)		Depleted Dark		-		Other (Explain in Remarks)
	leyed Matrix (S4)		Redox Depress				
	edox (S5)		Marl (F10) (LR)	,	,		³ Indicators of hydrophytic vegetation and
	Matrix (S6)		Red Parent Ma	-	21) (MLF	RA 145)	
							unless disturbed or problematic.
Restrictive L	_ayer (if observed):						
Type:							
Depth (ir	nches):						Hydric Soil Present? Yes No _X
Remarks:							



Upland P3-ZZ - View facing south/southwest



Upland P3-ZZ - Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

Project/Site: CHPE	(City/County: Wilton/S	Saratoga	Sampling Date: 1/4/23
Applicant/Owner: TDI			State: NY	Sampling Point: P3-YY Wet (PSS)
Investigator(s): C. Einstein & J. Greaves		Section, To	wnship, Range:	<u> </u>
Landform (hillside, terrace, etc.): Depressio	n Local re	elief (concave, conve	x, none): Concave	Slope %: 2
Subregion (LRR or MLRA): LRR R	Lat: 43.113965		-73.764291	 Datum: NAD83
Soil Map Unit Name: Fluvaquents frequently		5	NWI classification:	PSS1
Are climatic / hydrologic conditions on the site		Yes x		explain in Remarks.)
, 0	,,			,
Are Vegetation, Soil, or Hydrol			nal Circumstances" prese	
Are Vegetation, Soil, or Hydrol	<u></u>		d, explain any answers in	•
SUMMARY OF FINDINGS – Attach	site map showing samp	oling point locat	tions, transects, im	portant features, etc.
Hydrophytic Vegetation Present?	Yes X No	Is the Sampled A	rea	
Hydric Soil Present?	Yes No X	within a Wetland	? Yes	No X
Wetland Hydrology Present?	Yes X No	If yes, optional We	tland Site ID: <u>near flag</u>	P3-YY-12
Remarks: (Explain alternative procedures he	ere or in a separate report.)			
Shrub swamp.				
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indicators (m	ninimum of two required)
Primary Indicators (minimum of one is require	ed; check all that apply)		Surface Soil Cracks	
X Surface Water (A1)	Water-Stained Leaves (B9	9)	Drainage Patterns (
X High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B	16)
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water ⁻	Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C	;1)	Crayfish Burrows (C	28)
Sediment Deposits (B2)	Oxidized Rhizospheres or			n Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron		Stunted or Stressed	· ·
Algal Mat or Crust (B4)	Recent Iron Reduction in	Tilled Soils (C6)	X Geomorphic Positio	
Iron Deposits (B5)	Thin Muck Surface (C7)	-1	Shallow Aquitard (D	·
Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B	· 	s)	Microtopographic R X FAC-Neutral Test (I	` '
<u> </u>	8)		X FAC-INEUTIAL LEST (L	J5)
Field Observations: Surface Water Present? Yes X	No Denth (inches):	12		
Surface Water Present? Yes X Water Table Present? Yes X	No Depth (inches): _ No Depth (inches):	12 0		
Saturation Present? Yes X	No Depth (inches):		d Hydrology Present?	Yes X No
(includes capillary fringe)			u 11yu. 0.0gy	7
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, prev	vious inspections), if	available:	
·		•		
Remarks:				

Tree Stratum (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1				Number of Dominant Species That Are OBL, FACW, or FAC:3(A)
3. 4.				Total Number of Dominant Species Across All Strata:3(B)
5.6.				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species
1. Alnus incana	70	Yes	FACW	FACW species 85 x 2 = 170
2. Cornus sericea	5	No	FACW	FAC species0 x 3 =0
3.				FACU species0 x 4 =0
4.				UPL species 0 x 5 = 0
5.				Column Totals: 155 (A) 240 (B)
•				Prevalence Index = B/A = 1.55
7.				Hydrophytic Vegetation Indicators:
	 75	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')	73	- Total Cover		X 2 - Dominance Test is >50%
	20	V	OBL	
1. Carex straminea	30	Yes	OBL	3 - Prevalence Index is ≤3.0 ¹
2. Typha latifolia	30	Yes	OBL	4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
3. Epilobium coloratum	10	No	OBL_	
4. Onoclea sensibilis	10	No	<u>FACW</u>	Problematic Hydrophytic Vegetation ¹ (Explain)
5. 6.		·		¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
				Definitions of Vegetation Strata.
8 9				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12.				
	80	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 8)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet)	·		
Tremains. (include prioto numbers here of on a separ	ale sileet.)			

Sampling Point: P3-YY Wet (PSS)

SOIL Sampling Point P3-YY Wet (PSS)

Profile Desc	ription: (Describe t	o the de	pth needed to doc	ument th	ne indica	tor or co	onfirm the absence of	f indicators.)		
Depth	Matrix			x Featur						
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture		Remarks	
	-									
1							2			
	ncentration, D=Depl	etion, RM	1=Reduced Matrix, N	/IS=Masl	ked Sand	Grains.	² Location: P			
Hydric Soil I							Indicators fo		_	
Histosol	· · · · · ·		Dark Surface (ck (A10) (LRI		=
	ipedon (A2)		Polyvalue Belo		ce (S8) (I	RR R,		airie Redox (=
Black His			MLRA 149B	•				cky Peat or P		
	n Sulfide (A4)		Thin Dark Surf		-			e Below Surfa		-
	Layers (A5)		High Chroma S					k Surface (S9		
	Below Dark Surface	(A11)	Loamy Mucky			R K, L)				LRR K, L, R)
	rk Surface (A12)		Loamy Gleyed		F2)					(MLRA 149B)
	odic (A17)		Depleted Matri							ide MLRA 145)
	A 144A, 145, 149B)		Redox Dark Su		-			allow Dark Su	-)
	ucky Mineral (S1)		Depleted Dark				Other (E	xplain in Rem	ıarks)	
	eyed Matrix (S4)		Redox Depress		8)		2			
	edox (S5)		Marl (F10) (LR					rs of hydroph		
Stripped	Matrix (S6)		Red Parent Ma	aterial (F	21) (MLF	RA 145)		d hydrology n		
							unless	disturbed or	problemati	C.
Restrictive L	ayer (if observed):									
Type: _										
Depth (in	ches):						Hydric Soil Preser	nt? Y	es	No X
Remarks:										
	t collected due to inc	undation a	and dominance by F	ACW/O	BL speci	es.				
			,		•					



Wetland P3-YY - View facing south



Wetland P3-YY - Soils

SITE PHOTOGRAPHS

Segment 4 and 5 – Package 3

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

Project/Site: CHPE	(City/County: Wilton/	Saratoga	Sampling Date: 1/4/23
Applicant/Owner: TDI			State: NY	Sampling Point: P3-YY Wet (PEM)
Investigator(s): C. Einstein & J. Greaves		Section, To	wnship, Range:	
Landform (hillside, terrace, etc.): Terrace	Local re	elief (concave, conve	ex. none): None	Slope %: 0
Subregion (LRR or MLRA): LRR R	Lat: 43.113800		-73.764822	 Datum: NAD83
Soil Map Unit Name: FI - Fluvaquents freque		~	NWI classification:	
Are climatic / hydrologic conditions on the site	·	Vac v		explain in Remarks.)
, ,	•	Yes X	` ` `	,
Are Vegetation, Soil, or Hydrol			nal Circumstances" prese 	
Are Vegetation, Soil, or Hydrol	<u> </u>		d, explain any answers in	•
SUMMARY OF FINDINGS – Attach	site map showing samp	pling point loca	tions, transects, in	nportant features, etc.
Hydrophytic Vegetation Present?	Yes X No	Is the Sampled A	rea	
Hydric Soil Present?	Yes X No	within a Wetland	? Yes X	No
Wetland Hydrology Present?	Yes X No	If yes, optional We	etland Site ID: near flag	P3-YY-15
Remarks: (Explain alternative procedures he	ere or in a separate report.)			
Common reed marsh.				
HYDROLOGY				
			O Indicatora (r	
Wetland Hydrology Indicators: Primary Indicators (minimum of one is require	od: check all that annly)		Surface Soil Cracks	ninimum of two required)
Surface Water (A1)	Water-Stained Leaves (B	<u> </u>	Drainage Patterns	
High Water Table (A2)	Aquatic Fauna (B13)	9)	Moss Trim Lines (B	
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water	•
Water Marks (B1)	Hydrogen Sulfide Odor (C	C1)	Crayfish Burrows (0	
Sediment Deposits (B2)	X Oxidized Rhizospheres or	•		on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron	n (C4)	Stunted or Stressed	d Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in	Tilled Soils (C6)	X Geomorphic Position	on (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D	·
Inundation Visible on Aerial Imagery (B7)	· · · · ·	(s)	Microtopographic R	` '
Sparsely Vegetated Concave Surface (B	8)	.	X FAC-Neutral Test (D5)
Field Observations:				
Surface Water Present? Yes	No X Depth (inches):			
	No X Depth (inches):			V · V Na
Saturation Present? Yes	No X Depth (inches):	wetian	d Hydrology Present?	YesX No
(includes capillary fringe) Describe Recorded Data (stream gauge, more	nitoring well perial photos prev	vious inspections) if	availahla:	
Describe Necorded Data (Stream gaage,	IIIOIIIIg Well, aciiai priotoc, pro-	vious irispectione,, ir	avaliable.	
Remarks:				

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1	70 OOVCI	Ореспез	Otatus	
2.				Number of Dominant Species That Are OBL, FACW, or FAC:(A)
3. 4.		·		Total Number of Dominant Species Across All Strata:3(B)
5.6.				Percent of Dominant Species That Are OBL, FACW, or FAC:66.7%(A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species0 x 1 =0
1. Alnus incana	5	Yes	FACW	FACW species 105 x 2 = 210
2.				FAC species0 x 3 =0
3.				FACU species 5 x 4 = 20
4.				UPL species 0 x 5 = 0
5.				Column Totals: 110 (A) 230 (B)
6.				Prevalence Index = B/A = 2.09
7.				Hydrophytic Vegetation Indicators:
	5	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		•		X 2 - Dominance Test is >50%
Phragmites australis	100	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
2.				4 - Morphological Adaptations ¹ (Provide supporting
				data in Remarks or on a separate sheet)
				Problematic Hydrophytic Vegetation ¹ (Explain)
-				<u> </u>
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft in
1. Celastrus orbiculatus	5	Yes	<u>FACU</u>	height.
2.				Hydrophytic
3.				Vegetation
4				Present?
	5	=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet.)			

Sampling Point: P3-YY Wet (PEM)

SOIL Sampling Point: P3-YY Wet (PEM)

Profile Desci	ription: (Describe to	the de	pth needed to docu	ument th	ne indica	ator or co	onfirm the absence o	f indicators.)	
Depth	Matrix			x Featur					
(inches)	Color (moist)		Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-6	10YR 2/1	95	10YR 4/4	5	c	<u>m</u>	Sandy	Distinct redox concentrations	
6-16	10YR 4/2	70	10YR 3/6	25	C	PL/M	Sandy	Prominent redox concentrations	
			10YR 2/2	5	c	<u>m</u>		Faint redox concentrations	
	-								
	ncentration, D=Deple	etion, RN	/I=Reduced Matrix, M	1S=Masl	ked Sand	d Grains.		PL=Pore Lining, M=Matrix.	
Hydric Soil II			V. Davis Confess (C7\				or Problematic Hydric Soils ³ :	
— Histosol ((A1) ipedon (A2)		X Dark Surface (S		na (S8) (I DD D		uck (A10) (LRR K, L, MLRA 149B) rairie Redox (A16) (LRR K, L, R)	
Black His			MLRA 149B		JC (00) (LIXIX IX,		ucky Peat or Peat (S3) (LRR K, L, R)	
	n Sulfide (A4)		Thin Dark Surfa	,	(LRR R	, MLRA 1		ue Below Surface (S8) (LRR K, L)	
<u> </u>						· —	rk Surface (S9) (LRR K, L)		
X Depleted	Below Dark Surface	(A11)	Loamy Mucky I	Mineral ((F1) (LR	R K, L)	Iron-Ma	nganese Masses (F12) (LRR K, L, R)	
Thick Dar	rk Surface (A12)		Loamy Gleyed	Matrix (F2)			nt Floodplain Soils (F19) (MLRA 149B)	
	odic (A17)		Depleted Matrix					rent Material (F21) (outside MLRA 145)	
	A 144A, 145, 149B)		Redox Dark Su				Very Shallow Dark Surface (F22) Other (Explain in Remarks)		
	ucky Mineral (S1) leyed Matrix (S4)		Depleted Dark Redox Depress				Other (E	Explain in Remarks)	
X Sandy Re	• ,		Marl (F10) (LR		<i>)</i>		³ Indicate	ors of hydrophytic vegetation and	
_	Matrix (S6)		Red Parent Ma		21) (ML F	RA 145)		nd hydrology must be present,	
	, ,			,	, ,	,		s disturbed or problematic.	
Restrictive L	ayer (if observed):								
Type: _									
Depth (in	ches):						Hydric Soil Prese	nt? Yes <u>X</u> No	
Remarks:									



Wetland P3-YY - View facing north/northwest



Wetland P3-YY - Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

Project/Site: CHPE	c	City/County: Wilton/S	Saratoga	Sampling Date: 1/4/23		
Applicant/Owner: TDI			State: NY	Sampling Point: P3-YY Upi (PEM & PSS)		
Investigator(s): C. Einstein & J. Greaves		Section, Tow	/nship, Range:			
Landform (hillside, terrace, etc.): Hillslope	Local rel	ief (concave, conve	, none): Concave	Slope %: 3		
Subregion (LRR or MLRA): LRR R	Lat: 43.114082		-73.763374	 Datum: NAD83		
Soil Map Unit Name: WnB - Windsor loamy			NWI classification:			
Are climatic / hydrologic conditions on the site		Yes x		explain in Remarks.)		
	• • • • • • • • • • • • • • • • • • • •					
Are Vegetation, Soil, or Hydro			al Circumstances" prese			
Are Vegetation, Soil, or Hydro	·		, explain any answers in			
SUMMARY OF FINDINGS – Attach	site map showing samp	ling point locat	ions, transects, im	portant features, etc.		
Hydrophytic Vegetation Present?	Yes No X	Is the Sampled Ar	ea			
Hydric Soil Present?	Yes No X	within a Wetland?		No X		
Wetland Hydrology Present?	Yes No X	If yes, optional Wet	land Site ID: Near flag	P3-YY-15		
Remarks: (Explain alternative procedures here or in a separate report.) Successional old field (mowed power line ROW). Shared upland point for the PEM and PSS data point locations.						
HYDROLOGY Westernel Medicators			Sacandan Indicators (n	sin income of two required)		
Wetland Hydrology Indicators:	manda ala ada add Albart annulus)		•	ninimum of two required)		
Primary Indicators (minimum of one is requi	Water-Stained Leaves (B9	<u> </u>	Surface Soil Cracks	` ′		
Surface Water (A1) High Water Table (A2)	Aquatic Fauna (B13)	Drainage Patterns (B10) Moss Trim Lines (B16)				
Saturation (A3)	Marl Deposits (B15)	•		·		
Water Marks (B1)	Hydrogen Sulfide Odor (C	1)	Dry-Season Water Table (C2) Crayfish Burrows (C8)			
Sediment Deposits (B2)	Oxidized Rhizospheres on					
Drift Deposits (B3)	Presence of Reduced Iron					
Algal Mat or Crust (B4)	Recent Iron Reduction in T					
Iron Deposits (B5)	Thin Muck Surface (C7)	· · · · · · · · · · · · · · · · · · ·				
Inundation Visible on Aerial Imagery (B)						
Sparsely Vegetated Concave Surface (E	· · ·	,	FAC-Neutral Test (I	` '		
Field Observations:						
Surface Water Present? Yes	No X Depth (inches):					
Water Table Present? Yes	No X Depth (inches):					
Saturation Present? Yes	No X Depth (inches):	Wetland	d Hydrology Present?	Yes No _X_		
(includes capillary fringe)						
Describe Recorded Data (stream gauge, mo	onitoring well, aerial photos, previ	ious inspections), if a	available:			
Damanica						
Remarks:						

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Rhus typhina	5	Yes	UPL	
2				Number of Dominant Species That Are OBL, FACW, or FAC:(A)
3. 4.				Total Number of Dominant Species Across All Strata:(B)
5.6.				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7				Prevalence Index worksheet:
	5	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species0 x1 =0
1. Lonicera morrowii	10	Yes	FACU	FACW species 5 x 2 = 10
2. Rubus occidentalis	10	Yes	UPL	FAC species 25 x 3 = 75
3. Betula populifolia	5	No	FAC	FACU species 95 x 4 = 380
4. Rubus allegheniensis	5	No	FACU	UPL species25 x 5 =125
5. Cornus racemosa	5	No	FAC	Column Totals: 150 (A) 590 (B)
6.				Prevalence Index = B/A = 3.93
7.				Hydrophytic Vegetation Indicators:
	35	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		•		2 - Dominance Test is >50%
1. Rubus flagellaris	35	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
Solidago canadensis	 15	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Rubus allegheniensis	10	Yes	FACU	data in Remarks or on a separate sheet)
Rubus occidentalis	10	Yes	UPL	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Thelypteris noveboracensis	10	Yes	FAC	
6. Lonicera morrowii	10	Yes	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7. Onoclea sensibilis	5	No No	FACW	Definitions of Vegetation Strata:
8. Cornus racemosa	<u>5</u> 	No No	FAC	Definitions of Vegetation Strata.
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in
1. Celastrus orbiculatus	10	Yes	FACU	height.
2.				
3.				Hydrophytic Vegetation
4.				Present?
	10	=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			
(,			

Sampling Point: P3-YY Upl (PEM & PSS)

SOIL Sampling Point P3-YY Upl (PEM & PSS)

Profile Desc Depth	ription: (Describe t Matrix	o the de		ument tl x Featur		tor or co	onfirm the absence of indicators.)
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture Remarks
0-2	10YR 2/2	100					Sandy
2-16	10YR 4/4	100					Sandy
							-
¹ Type: C=Cc	oncentration, D=Deple	etion RM	=Reduced Matrix N	 2eM=2N	ked Sand	Grains	² Location: PL=Pore Lining, M=Matrix.
Hydric Soil I		otion, rav	T Ttoddood Wath, N	10 Masi	Roa Gario	oranio.	Indicators for Problematic Hydric Soils ³ :
Histosol			Dark Surface (S7)			2 cm Muck (A10) (LRR K, L, MLRA 149B)
Histic Ep	ipedon (A2)		Polyvalue Belo	w Surfa	ce (S8) (I	RR R,	Coast Prairie Redox (A16) (LRR K, L, R)
Black His	stic (A3)		MLRA 149B)			5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		Thin Dark Surf	ace (S9)) (LRR R,	MLRA 1	149B) Polyvalue Below Surface (S8) (LRR K, L)
	Layers (A5)		High Chroma S				Thin Dark Surface (S9) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Mucky			R K, L)	Iron-Manganese Masses (F12) (LRR K, L, R)
	rk Surface (A12)		Loamy Gleyed		F2)		Piedmont Floodplain Soils (F19) (MLRA 149)
	oodic (A17) A 144A, 145, 149B)		Depleted Matri Redox Dark Su		- 6)		Red Parent Material (F21) (outside MLRA 14 Very Shallow Dark Surface (F22)
	lucky Mineral (S1)		Depleted Dark	-	-		Other (Explain in Remarks)
	leyed Matrix (S4)		Redox Depress		٠, ,		0 and (2.4 plant in terms in the
	edox (S5)		Marl (F10) (LR		,		³ Indicators of hydrophytic vegetation and
Stripped	Matrix (S6)		Red Parent Ma	iterial (F	21) (MLF	RA 145)	wetland hydrology must be present,
							unless disturbed or problematic.
	_ayer (if observed):						
Type: _							
Depth (ir	nches):						Hydric Soil Present? Yes No _X
Remarks:							•



Upland P3-YY - View facing northeast



Upland P3-YY - Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

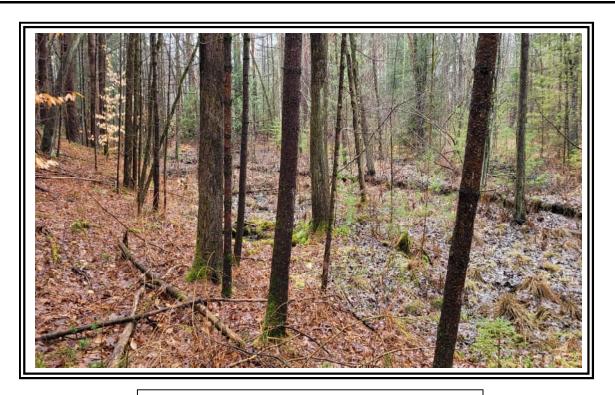
Project/Site: CHPE	(City/County: Wilton/	Saratoga	Sampling Date: 1/4/23		
Applicant/Owner: TDI			State: NY	Sampling Point: P3-YY Wet		
Investigator(s): C. Einstein & J. Greaves		Section, To	wnship, Range:	<u> </u>		
Landform (hillside, terrace, etc.): Hillslope	Local re	elief (concave, conve	ex. none). Concave	Slope %: 5		
Subregion (LRR or MLRA): LRR R	Lat: 43.114419	•	-73.764458	Datum: WGS84		
Soil Map Unit Name: WnB - Windsor loamy				PFO1		
<u> </u>		Voc. v				
Are climatic / hydrologic conditions on the site		Yes x	` ` '	explain in Remarks.)		
Are Vegetation, Soil, or Hydrol			nal Circumstances" prese			
Are Vegetation, Soil, or Hydrol			d, explain any answers in	•		
SUMMARY OF FINDINGS – Attach	site map showing samp	oling point loca	tions, transects, im	portant features, etc.		
Hydrophytic Vegetation Present?	Yes X No	Is the Sampled A	rea			
Hydric Soil Present?	Yes X No	within a Wetland	? Yes X	No		
Wetland Hydrology Present?	Yes X No	If yes, optional We	etland Site ID: near P3-	YY-1		
Remarks: (Explain alternative procedures he Red maple hardwood swamp.	re or in a separate report.)					
HYDROLOGY						
Wetland Hydrology Indicators:			Secondary Indicators (m	ninimum of two required)		
Primary Indicators (minimum of one is require			Surface Soil Cracks	(B6)		
Surface Water (A1)	X Water-Stained Leaves (B	9)	Drainage Patterns (I	· ·		
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B	·		
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water			
Water Marks (B1)	Hydrogen Sulfide Odor (C	= -	Crayfish Burrows (C	•		
X Sediment Deposits (B2)	X Oxidized Rhizospheres or	• , ,	· · · · · —			
Drift Deposits (B3) Algal Mat or Crust (B4)	Presence of Reduced Iron Recent Iron Reduction in	` '	Stunted or Stressed Plants (D1) bils (C6) X Geomorphic Position (D2)			
Iron Deposits (B5)	Thin Muck Surface (C7)	Illieu Solis (So)	Shallow Aquitard (D3)			
Inundation Visible on Aerial Imagery (B7		(s)	X Microtopographic Relief (D4)			
Sparsely Vegetated Concave Surface (B	· · · ·	٥,	X FAC-Neutral Test (D			
Field Observations:			<u> </u>			
Surface Water Present? Yes	No X Depth (inches):					
Water Table Present? Yes	No X Depth (inches):					
Saturation Present? Yes	No X Depth (inches):		d Hydrology Present?	YesX No		
(includes capillary fringe)						
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, prev	vious inspections), if	available:			
Remarks:						
Fringe to Stream P3-SB.						

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Acer rubrum	70	Yes	FAC	
2. Pinus strobus	10	No	FACU	Number of Dominant Species That Are OBL, FACW, or FAC:3(A)
3				Total Number of Dominant
4				Species Across All Strata: 3 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC:100.0% (A/B)
7				Prevalence Index worksheet:
	80	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species65 x 1 =65
1. Acer rubrum	15	Yes	FAC	FACW species 2 x 2 = 4
2. Pinus strobus	2	No	FACU	FAC species95 x 3 =285
3. Vaccinium corymbosum	2	No	FACW	FACU species15 x 4 =60
4. Fagus grandifolia	1	No	FACU	UPL species10 x 5 =50
5				Column Totals: 187 (A) 464 (B)
6				Prevalence Index = B/A =2.48
7				Hydrophytic Vegetation Indicators:
	20	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:5')				X 2 - Dominance Test is >50%
1. Carex straminea	65	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
2. Matteuccia struthiopteris	10	No	FAC	4 - Morphological Adaptations ¹ (Provide supporting
3. Athyrium filix-femina	10	No	UPL	data in Remarks or on a separate sheet)
4. Pinus strobus	2	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)
5 6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	87	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2.				
3				Hydrophytic Vegetation
4				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

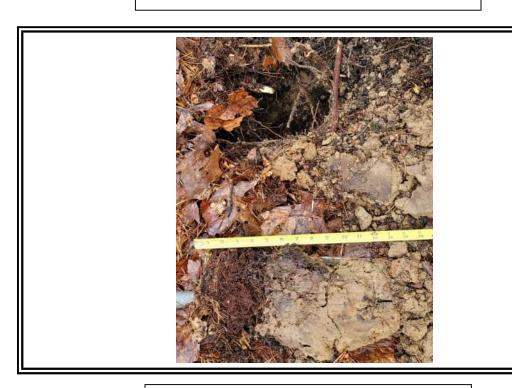
Sampling Point: P3-YY Wet

SOIL Sampling Point P3-YY Wet

Depth	Matrix		Redo	x Featur	es		onfirm the absence o	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-3	10YR 3/2	100					Peat	
3-16	10YR 4/2	70	10YR 3/6	20	С	PL/M	Sandy	Prominent redox concentrations
			10YR 3/1	10	С			Faint redox concentrations
			10111071					T diff. Todax deficerit duorie
								_
¹ Type: C=Cc	oncentration, D=Deple	etion RM	======================================	 /S=Masl	ed San		² I ocation: P	L=Pore Lining, M=Matrix.
Hydric Soil I		Juon, 1417	Troduced Matrix, N	no mao	tou ount	a Oramo.		or Problematic Hydric Soils ³ :
Histosol			Dark Surface (S7)				ick (A10) (LRR K, L, MLRA 149B)
Histic Ep	ipedon (A2)		Polyvalue Belo	w Surfac	ce (S8) (LRR R,	Coast P	rairie Redox (A16) (LRR K, L, R)
Black His	stic (A3)		MLRA 149B)			5 cm Mu	icky Peat or Peat (S3) (LRR K, L, R)
Hydroger	n Sulfide (A4)		Thin Dark Surfa	ace (S9)	(LRR R	, MLRA 1	I 49B) Polyvalu	e Below Surface (S8) (LRR K, L)
	Layers (A5)		High Chroma S					k Surface (S9) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Mucky			R K , L)		nganese Masses (F12) (LRR K, L, R)
	rk Surface (A12)		Loamy Gleyed		F2)			nt Floodplain Soils (F19) (MLRA 149B)
	odic (A17)		Depleted Matri		(C)			ent Material (F21) (outside MLRA 145) allow Dark Surface (F22)
	A 144A, 145, 149B) ucky Mineral (S1)		Redox Dark Su Depleted Dark					xplain in Remarks)
_	leyed Matrix (S4)		Redox Depress					xpiair ii remano)
X Sandy R			Marl (F10) (LR		- /		³ Indicato	ors of hydrophytic vegetation and
	Matrix (S6)		Red Parent Ma		21) (ML F	RA 145)		id hydrology must be present,
<u> </u>							unless	disturbed or problematic.
Restrictive L	.ayer (if observed):							
Type: _								
Depth (in	iches):						Hydric Soil Presei	nt? Yes <u>X</u> No
Remarks:								



Wetland P3-YY - View facing north



Wetland P3-YY - Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

Project/Site: CHPE		City/County: Wilton/	Saratoga	Sampling Date: 1/4/23		
Applicant/Owner: TDI			State: NY	Sampling Point: P3-YY Upl		
Investigator(s): C. Einstein & J. Greaves		Section, To	——— wnship, Range:			
Landform (hillside, terrace, etc.): Terrace	Local re	elief (concave, conve	x, none): none	Slope %: 0		
Subregion (LRR or MLRA): LRR R	Lat: 43.114493	•	-73.763996	Datum: NAD83		
Soil Map Unit Name: WnB - Windsor loamy			NWI classification			
Are climatic / hydrologic conditions on the site		Vac v		•		
		Yes X	 `	, explain in Remarks.)		
Are Vegetation, Soil, or Hydro	·		nal Circumstances" pres 			
Are Vegetation, Soil, or Hydro			d, explain any answers i	,		
SUMMARY OF FINDINGS – Attach	site map showing samp	pling point loca	tions, transects, i	mportant features, etc.		
Hydrophytic Vegetation Present?	Yes No _X	Is the Sampled A	rea			
Hydric Soil Present?	Yes No X	within a Wetland	? Yes	No X		
Wetland Hydrology Present?	Yes No X	If yes, optional We	tland Site ID: upland	near flag P3-YY-1		
Remarks: (Explain alternative procedures he	ere or in a separate report.)					
White pine forest.						
HYDROLOGY						
Wetland Hydrology Indicators:			Secondary Indicators	(minimum of two required)		
Primary Indicators (minimum of one is requir	ed; check all that apply)		Surface Soil Cracl	ks (B6)		
Surface Water (A1)	Water-Stained Leaves (B	9)	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 (C	= -	Crayfish Burrows			
Sediment Deposits (B2)	Oxidized Rhizospheres of	• , ,	· · · · —			
Drift Deposits (B3)	Presence of Reduced Iron	` '	• • • • • • • • • • • • • • • • • • • •			
Algal Mat or Crust (B4) Iron Deposits (B5)	Recent Iron Reduction in Thin Muck Surface (C7)	Theu Sons (Co)	d Soils (C6) Geomorphic Position (D2) Shallow Aquitard (D3)			
Inundation Visible on Aerial Imagery (B7		(2)	Microtopographic Relief (D4)			
Sparsely Vegetated Concave Surface (B	· — · · ·		FAC-Neutral Test			
Field Observations:				(- 7		
Surface Water Present? Yes	No X Depth (inches):					
	No X Depth (inches):					
Saturation Present? Yes	No X Depth (inches):		d Hydrology Present?	Yes No _ X		
(includes capillary fringe)						
Describe Recorded Data (stream gauge, mo	nitoring well, aerial photos, prev	vious inspections), if	available:			
<u> </u>						
Remarks:						

Free Stratum (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
. Pinus strobus	80	Yes	FACU	Newshar of Davids and On a day
2. Pinus rigida	10	No	FACU	Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
3. Fagus grandifolia	10	No	FACU	Total Number of Dominant
i.				Species Across All Strata: 7 (B)
5.				Dereant of Deminant Species
5.				Percent of Dominant Species That Are OBL, FACW, or FAC: 14.3% (A/B)
·.				Prevalence Index worksheet:
	100	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15'))			OBL species 0 x 1 = 0
. Fagus grandifolia	10	Yes	FACU	FACW species 0 x 2 = 0
2. Pinus strobus	5	Yes	FACU	FAC species 10 x 3 = 30
3. Picea abies	5	Yes	UPL	FACU species 115 x 4 = 460
				UPL species 10 x 5 = 50
5.				Column Totals: 135 (A) 540 (B
5.				Prevalence Index = B/A = 4.00
				Hydrophytic Vegetation Indicators:
	20	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
. Thelypteris noveboracensis	10	Yes	FAC	3 - Prevalence Index is ≤3.0 ¹
2. Picea abies	5	Yes	UPL	4 - Morphological Adaptations ¹ (Provide supportin
3. Lycopodium	5	Yes		data in Remarks or on a separate sheet)
l.		103		Problematic Hydrophytic Vegetation ¹ (Explain)
5. 5.				¹ 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 height (DBH), regardless of height.
0.				Sapling/shrub – Woody plants less than 3 in. DBH
1.				and greater than or equal to 3.28 ft (1 m) tall.
2.				Harb All borbacoous (non woody) plants, regardless
	20	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Noody Vine Stratum (Plot size: 30')			Mandustines All woods vince greater than 2.29 ft is
i				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
				Hydrophytic
				Vegetation No. Vegetation
3.	' '			I Present? Yes NO A
		=Total Cover		Present? Yes No _X

SOIL Sampling Point P3-YY Upl

Profile Desc Depth	ription: (Describe t Matrix	to the de	-	ument the x Feature		itor or co	confirm the absence of indicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture Remarks		
0-2	10YR 3/2	100					Peat		
2-16	10YR 3/3	100					Sandy		
	10111 0/0								
1							2		
	oncentration, D=Depl	etion, RN	/I=Reduced Matrix, N	/IS=Masi	ked Sand	Grains.			
Hydric Soil I Histosol			Dark Surface ((97)			Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) (LRR K, L, MLRA 14		
	ipedon (A2)		Polyvalue Belo		ce (S8) (I	LRR R.	Coast Prairie Redox (A16) (LRR K, L,		
Black His			MLRA 149B		. (55)	,	5 cm Mucky Peat or Peat (S3) (LRR K		
	n Sulfide (A4)		Thin Dark Surf	,	(LRR R	, MLRA 1			
Stratified	Layers (A5)		High Chroma S	Sands (S	311) (LR F	R K, L)	Thin Dark Surface (S9) (LRR K, L)		
Depleted	Below Dark Surface	e (A11)	Loamy Mucky	Mineral ((F1) (LR I	R K, L)	Iron-Manganese Masses (F12) (LRR K	, L, R)	
	rk Surface (A12)		Loamy Gleyed		F2)		Piedmont Floodplain Soils (F19) (MLR		
	oodic (A17)		Depleted Matri		.0)		Red Parent Material (F21) (outside MI	.RA 145)	
	A 144A, 145, 149B)		Redox Dark Su	-	-		Very Shallow Dark Surface (F22)		
	ucky Mineral (S1) leyed Matrix (S4)		Depleted Dark Redox Depress				Other (Explain in Remarks)		
	edox (S5)		Marl (F10) (LR		3)		³ Indicators of hydrophytic vegetation ar	nd	
	Matrix (S6)		Red Parent Ma		21) (MLF	RA 145)	wetland hydrology must be present,		
	. ,			,	, ,		unless disturbed or problematic.		
Restrictive L	ayer (if observed):								
Type:									
Depth (in	nches):						Hydric Soil Present? Yes No _	X	
Remarks:							•		



Upland P3-YY - View facing northwest



Upland P3-YY - Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Saratoga Springs/Saratoga Sampling Date: 12/2/21
Applicant/Owner: TDI	State: NY Sampling Point: C2-R-A-8 Wet
Investigator(s): N. Frazer, J. Greaves	Section, Township, Range:
Landform (hillside, terrace, etc.): ditch Local	relief (concave, convex, none): concave Slope %: 1-2
Subregion (LRR or MLRA): LRR R Lat: 43-06-07N	Long: 73-47-23W Datum: WGS 84
Soil Map Unit Name: Windsor loamy sand (WnC)	NWI classification: PEM/PSS
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	bed? Are "Normal Circumstances" present? Yes x No
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
Linear vegetated ditch. Mostly PEM, but also contains some areas of PSS.	
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 (I	
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
X Saturation (A3) — Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (· · · · · · · · · · · · · · · · · · ·
Sediment Deposits (B2) Oxidized Rhizospheres of Peduced Inc.	
Drift Deposits (B3) Presence of Reduced Iron Algal Mat or Crust (B4) Recent Iron Reduction ir	
Iron Deposits (B5) Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No x Depth (inches):	
Water Table Present? Yes x No Depth (inches):	
Saturation Present? Yes x No Depth (inches):	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	
1	

Tree Stratum (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:4(A)
3. 4.				Total Number of Dominant Species Across All Strata:4(B)
5.6.				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species40 x 1 =40
1. Alnus incana	20	Yes	FACW	FACW species 53 x 2 = 106
2. Spiraea alba	8	Yes	FACW	FAC species 8 x 3 = 24
3				FACU species0 x 4 =0
4.				UPL species0 x 5 =0
5.				Column Totals: 101 (A) 170 (B)
6.				Prevalence Index = B/A = 1.68
7.				Hydrophytic Vegetation Indicators:
	28	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
Eutrochium maculatum	40	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
Onoclea sensibilis	25	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporting
Equisetum hyemale	8	No	FAC	data in Remarks or on a separate sheet)
1			<u> TAC</u>	Problematic Hydrophytic Vegetation ¹ (Explain)
6				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
				Definitions of Vegetation Strata:
8.				Seminary of Vogetation States.
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
	73	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft in
1.				height.
2.				
3.				Hydrophytic
				Vegetation Present? Yes X No
4.		=Total Cover		· · · · · · · · · · · · · · · · · · ·
Remarks: (Include photo numbers here or on a separ	roto oboot)	10101 00101		
Remarks. (include prioto numbers here of on a separ	ate sneet.)			

Sampling Point: C2-R-A-8 Wet

Profile Desc Depth	cription: (Describe t Matrix	to the de		i <mark>ment tl</mark> c Featur		ator or co	onfirm the absence o	f indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-3	10YR 2/1	95	10YR 5/3	5	D	M	Loamy/Clayey	
3-16	10YR 3/1	66	10YR 4/6	_20_	C	M	Sandy	Prominent redox concentrations
			10YR 4/3	10	C	M		Distinct redox concentrations
			10YR 2/1	4	C	M		Faint redox concentrations
							_	
¹Type: C=Co	oncentration, D=Depl	etion, RM	======================================	 IS=Mas	ked Sand	d Grains.	² Location: P	L=Pore Lining, M=Matrix.
Hydric Soil		·	·				Indicators f	or Problematic Hydric Soils ³ :
Histosol	` '		Polyvalue Belov	w Surfa	ce (S8) (LRR R,	2 cm Mu	ıck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B)					rairie Redox (A16) (LRR K, L, R)
Black Histic (A3)		Thin Dark Surfa					icky Peat or Peat (S3) (LRR K, L, R)	
	n Sulfide (A4)		High Chroma S					te Below Surface (S8) (LRR K, L)
	l Layers (A5)	· (A11)	Loamy Gloved			R K, L)		rk Surface (S9) (LRR K, L)
	d Below Dark Surface ark Surface (A12)	: (A11)	Loamy Gleyed Depleted Matrix		F2)			nganese Masses (F12) (LRR K, L, R) nt Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su		6)			podic (TA6) (MLRA 144A, 145, 149B)
	Gleyed Matrix (S4)		Depleted Dark		-			ent Material (F21)
X Sandy R			Redox Depress					allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LRI		,			explain in Remarks)
? Dark Su	rface (S7)						<u>——</u>	
³ Indicators o	f hvdrophytic vegetati	on and w	etland hydrology mu	st be pr	esent. ui	nless dist	urbed or problematic.	
	Layer (if observed):		, 5,		,			
Type:	none	е						
Depth (ir	nches):						Hydric Soil Prese	nt? Yes <u>X</u> No
Remarks:								
	m is revised from No 2015 Errata. (http://w							CS Field Indicators of Hydric Soils,
version 7.0,	2015 Errata. (http://w	ww.iiics.	usua.gov/internet/i c	DC_DOC	JOIVILINI	0/11/03 14	2p2_031293.docx)	



Wetland C2-R-A-8- View facing west



Wetland C2-R-A-8- Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Saratoga Springs/Saratoga Sampling Date: 12/2/21
Applicant/Owner: TDI	 State: NY Sampling Point: c2-R-A-8 ∪pl
Investigator(s): N. Frazer, J. Greaves	Section, Township, Range:
- , -	relief (concave, convex, none): none Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43-06-07N	Long: 73-47-23W Datum: WGS 84
Soil Map Unit Name: Windsor loamy sand (WnC)	NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes No X	within a Wetland? Yes No _X
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.) Railroad embankment.	
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 (I	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 (· · · · · · · · · · · · · · · · · · ·
Sediment Deposits (B2) Oxidized Rhizospheres of	
Drift Deposits (B3) Presence of Reduced Iro	<u> </u>
Algal Mat or Crust (B4) Recent Iron Reduction in	— · · · · · · · · · · · · · · · · · · ·
Iron Deposits (B5) Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7)Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No _x Depth (inches):	
Water Table Present? Yes No x Depth (inches):	
Saturation Present? Yes No x Depth (inches):	: Wetland Hydrology Present? Yes No _X_
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Description	
Remarks:	

	Absolute	Dominant	Indicator	
<u>Free Stratum</u> (Plot size:)	% Cover	Species?	Status	Dominance Test worksheet:
				Number of Dominant Species
				That Are OBL, FACW, or FAC:1 (A)
·				Total Number of Dominant
				Species Across All Strata: 1 (B)
i:				Percent of Dominant Species
i				That Are OBL, FACW, or FAC: 100.0% (A/B
				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species 0 $x = 0$
·				FACW species 0 x 2 = 0
				FAC species 47 x 3 = 141
·				FACU species 3 x 4 = 12
				UPL species 0 x 5 = 0
				Column Totals: 50 (A) 153 (B
				Prevalence Index = B/A = 3.06
·		-Total Cavar		Hydrophytic Vegetation Indicators:
Late Otastana (Dietaine El		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
lerb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
Equisetum hyemale	45	Yes	FAC	3 - Prevalence Index is ≤3.0 ¹
2. <u>Festuca rubra</u>	2	No	<u>FACU</u>	4 - Morphological Adaptations ¹ (Provide supportir data in Remarks or on a separate sheet)
Rubus allegheniensis	1	No	<u>FACU</u>	
Setaria pumila	2	No	<u>FAC</u>	Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must
i				be present, unless disturbed or problematic.
				Definitions of Vegetation Strata:
				Tree – Woody plants 3 in. (7.6 cm) or more in
				diameter at breast height (DBH), regardless of height
0				Sapling/shrub – Woody plants less than 3 in. DBH
1				and greater than or equal to 3.28 ft (1 m) tall.
2				Herb – All herbaceous (non-woody) plants, regardles
	50	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Voody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft in
·				height.
3.				Hydrophytic
I.				Vegetation Present? Yes X No
		=Total Cover		

SOIL Sampling Point C2-R-A-8 Upl

		o the de				itor or co	onfirm the absence of	findicators.)
Depth	Matrix			x Featur		. 2		
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks
0-16	2.5Y 4/3	100					Sandy	
1- 0.0							21 11 5	
	oncentration, D=Depl	etion, RIV	I=Reduced Matrix, N	/IS=Mas	ked Sand	Grains.		L=Pore Lining, M=Matrix.
Hydric Soil			5 5.	0 ((00) (or Problematic Hydric Soils ³ :
— Histosol			Polyvalue Belo		ce (S8) (I	LKK K,		ck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B	•				rairie Redox (A16) (LRR K, L, R)
Black Hi			Thin Dark Surf		-			cky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					e Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky			R K, L)		k Surface (S9) (LRR K, L)
	Below Dark Surface	(A11)	Loamy Gleyed		F2)			ganese Masses (F12) (LRR K, L, R)
	ark Surface (A12)		Depleted Matri					t Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su					podic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark					ent Material (F21)
	edox (S5)		Redox Depress		8)			allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	RK,L)			Other (E	xplain in Remarks)
Dark Su	face (S7)							
3								
	hydrophytic vegetati	on and w	etland hydrology mu	ust be pr	esent, ur	niess disti	urbed or problematic.	
	_ayer (if observed):	_						
Type:	none		-					
Depth (ir	nches):						Hydric Soil Preser	nt? Yes No _X
Remarks:								
								CS Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://w	ww.nrcs.	usda.gov/Internet/F	SE_DOO	CUMENT	S/nrcs142	2p2_051293.docx)	



Upland C2-R-A-8- View facing east



Upland C2-R-A-8- Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Saratoga Springs/Saratoga Sampling Date: 12/2/21			
Applicant/Owner: TDI	State: NY Sampling Point: C2-R-B-8 Wet			
Investigator(s): N. Frazer, J. Greaves	Section, Township, Range:			
Landform (hillside, terrace, etc.): ditch Local	relief (concave, convex, none): concave Slope %: 1			
Subregion (LRR or MLRA): LRR R Lat: 43-05-58N	Long: 73-47-34W Datum: WGS 84			
Soil Map Unit Name: Rhinebeck silt loam (RhB)	NWI classification: PEM			
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)			
Are Vegetation, Soil, or Hydrology significantly distur				
Are Vegetation, Soil, or Hydrology naturally problems				
SUMMARY OF FINDINGS – Attach site map showing sam				
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area			
Hydric Soil Present? Yes X No	within a Wetland? Yes X No			
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:			
Remarks: (Explain alternative procedures here or in a separate report.) Linear vegetated ditch.				
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)			
X Surface Water (A1) Water-Stained Leaves (I				
X High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)			
	Marl Deposits (B15) Dry-Season Water Table (C2)			
	Hydrogen Sulfide Odor (C1)			
1 				
Drift Deposits (B3) Presence of Reduced Iro	<u> </u>			
Algal Mat or Crust (B4) Recent Iron Reduction in This Music Surface (C7)				
Iron Deposits (B5) Thin Muck Surface (C7) Other (Explain in Remove				
Inundation Visible on Aerial Imagery (B7)Other (Explain in Remar Sparsely Vegetated Concave Surface (B8)	-ks) Microtopographic Relief (D4) X FAC-Neutral Test (D5)			
	A FAC-Neutral Test (D5)			
Field Observations:				
Surface Water Present? Yes x No Depth (inches):				
Water Table Present? Yes x No Depth (inches):				
Saturation Present? Yes x No Depth (inches):	:0 Wetland Hydrology Present? Yes _X No			
(includes capillary fringe)				
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:			
Remarks:				
Tromano.				
1				

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1		·		Number of Dominant Species That Are OBL, FACW, or FAC:(A)
3. 4.		·		Total Number of Dominant Species Across All Strata:(B)
5. 6.				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species15 x 1 =15
1.				FACW species 35 x 2 = 70
2.				FAC species 0 x 3 = 0
3.				FACU species0 x 4 =0
4				UPL species0 x 5 =0
5				Column Totals: 50 (A) 85 (B)
6.				Prevalence Index = B/A =1.70
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		•		X 2 - Dominance Test is >50%
1. Bidens frondosa	35	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
2. Scirpus atrovirens	10	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Lythrum salicaria	5	No	OBL	data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
	50	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')		•		Was devided a Alleman devide a market de la 200 filia
1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
2				Hydrophytic
				Vegetation Present? Yes X No
4.		=Total Cover		100 <u>X</u> 100 <u>X</u>
Demontra: (Include photo numbero bare or on a cone	rata abaat \			
Remarks: (Include photo numbers here or on a separate or	rate sneet.)			

Sampling Point: C2-R-B-8 Wet

Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Loamy/Clayey Prominent red.	10YR 4/6	Depth	Matrix			x Featur			_	_
10YR 4/6 2 C PL Prominent red 9-16 10YR 5/2 80 10YR 4/6 15 C M Loamy/Clayey Prominent red 10YR 5/1 5 D M 2 Location: PL=Pore Lining, M=Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, Histic Epipedon (A2) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S9) (LRR R, Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Polyvalue Below Surface (S9) (LRR R, Histic CA3) Polyvalue Below Surface (S9) (LRR R, Histic CA3) Polyvalue Below Surface (S9) (LRR R, L) Polyvalue Below S	M=Reduced Matrix, MS=Masked Sand Grains. Loamy/Clayey Prominent redox concentrations	(inches)	Color (moist)		Color (moist)		Type ¹	Loc²	Texture	Remarks
9-16 10YR 5/2 80 10YR 4/6 15 C M Loamy/Clayey Prominent red 10YR 5/1 5 D M 10YE 5/1 5 D M 1	M=Reduced Matrix, MS=Masked Sand Grains. Polyvalue Below Surface (S8) (LRR R, MLRA 149B) MIRA 149B) MIRA 149B) MIRA 149B MIRA 1	0-9	10YR 4/1	88	10YR 4/6	10	<u>C</u>	M	Loamy/Clayey	Prominent redox concentration
1 Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. 1 Hydric Soil Indicators: Histosol (A1) Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, Histic Epipedon (A2) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) Hydrogen Sulfide (A4) High Chroma Sands (S11) (LRR K, L) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLR Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) Piedmont Floodplain Soils Red Parent Material (F21) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface	M=Reduced Matrix, MS=Masked Sand Grains. Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA 149B) High Chroma Sands (S11) (LRR K, L) Loamy Mucky Mineral (F1) (LRR K, L) Loamy Gleyed Matrix (F2) Redox Dark Surface (F7) Redox Depressions (F8) M=Reduced Matrix, MS=Masked Sand Grains. PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils³: 2 cm Muck (A10) (LRR K, L, MLRA 149B) ? Coast Prairie Redox (A16) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Polyvalue Below Surface (S3) (LRR K, L, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Red Parent Material (F21) Very Shallow Dark Surface (F22)				10YR 4/6	2	C	PL		Prominent redox concentration
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. PL=Pore Lining, M=Hydric Soil Indicators: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, 4) Histic Epipedon (A2) Black Histic (A3) Thin Dark Surface (S9) (LRR R, MLRA 149B) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A11) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Redox Dark Surface (F6) Mesic Spodic (TA6) (MLR Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Sandy Redox (S5) PL=Pore Lining, M= 2 Location: PL=Pore Lining, M= 1ndicators for Problematic H; 2 cm Muck (A10) (LRR K, 2) Coast Prairie Redox (A16) Polyvalue Below (A16) Loamy Mucky Mineral (F1) (LRR K, L) Thin Dark Surface (S9) (LI CRR K, L) Thin Dark Surface (S9) (LI CRR K, L) Thick Dark Surface (A11) Loamy Gleyed Matrix (F2) Piedmont Floodplain Soils Sandy Mucky Mineral (S1) Red Parent Material (F21) Sandy Redox (S5) Pedsox Dark Surface (F7) Red Parent Material (F21)	M=Reduced Matrix, MS=Masked Sand Grains. Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Thin Dark Surface (S9) (LRR K, L) High Chroma Sands (S11) (LRR K, L) Loamy Mucky Mineral (F1) (LRR K, L) Loamy Gleyed Matrix (F2) Redox Dark Surface (F6) Depleted Dark Surface (F7) Redox Depressions (F8) Place Cocation: PL=Pore Lining, M=Matrix. Indicators for Problematic Hydric Soils 3: 2 cm Muck (A10) (LRR K, L, MLRA 149B) ? Coast Prairie Redox (A16) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (F21) Very Shallow Dark Surface (F22)	9-16	10YR 5/2	80	10YR 4/6	15	C	M	Loamy/Clayey	Prominent redox concentration
Hydric Soil Indicators: Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Hydrogen Sulfide (S4) Depleted Dark Surface (F8) Indicators for Problematic Hydrace (S9) (LRR R, MLRA I) Polyvalue Below (A10) (LRR K, L) Polyvalue Below Surface (S9) (LRR R, MLRA I49B) Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L) Loamy Mucky Mineral (F1) (LRR K, L) Iron-Manganese Masses (Indicators for Problematic Hydrogen Surface (A16) Polyvalue Below (A16) Loamy Mucky Mineral (F1) (LRR K, L) Iron-Manganese Masses (Indicators for Problematic Hydrogen Surface (A16) Polyvalue Below (A16) Loamy Mucky Mineral (F1) (LRR K, L) Iron-Manganese Masses (Indicators for Problematic Hydrogen Surface (A16) Redox Dark Surface (F6) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7) Red Parent Material (F21) Very Shallow Dark Surface	Indicators for Problematic Hydric Soils ³ : Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA 149B) High Chroma Sands (S11) (LRR K, L) Loamy Mucky Mineral (F1) (LRR K, L) Loamy Gleyed Matrix (F2) Topeleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F8) Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) (LRR K, L, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (F21) Yery Shallow Dark Surface (F22)				10YR 5/1	_ 5	D	_ M_		
Hydric Soil Indicators: Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Redox (S5) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) 7 Coast Prairie Redox (A16) 8 Loamy Mucky Mineral (S1) Loamy Mucky Mineral (F1) (LRR K, L) Depleted Below Dark Surface (A11) Sandy Gleyed Matrix (S4) Depleted Dark Surface (F6) Sandy Redox (S5) Polyvalue Below Surface (F8) Loamy Mucky Mineral (F1) (LRR K, L) Loamy Gleyed Matrix (F2) Thick Dark Surface (A12) Redox Dark Surface (F6) Sandy Redox (S5) Redox Depressions (F8) Very Shallow Dark Surface	Indicators for Problematic Hydric Soils ³ : Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA 149B) High Chroma Sands (S11) (LRR K, L) Loamy Mucky Mineral (F1) (LRR K, L) Loamy Gleyed Matrix (F2) Topeleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F8) Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) (LRR K, L, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (F21) Yery Shallow Dark Surface (F22)									
Hydric Soil Indicators: Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Polyvalue Below Surface (S8) (LRR R, MLRA 149B) 7 Coast Prairie Redox (A16) Redox Dark Surface (S9) (LRR R, MLRA 149B) 5 cm Mucky Peat or Peat of Peat o	Indicators for Problematic Hydric Soils ³ : Polyvalue Below Surface (S8) (LRR R, MLRA 149B) Thin Dark Surface (S9) (LRR R, MLRA 149B) High Chroma Sands (S11) (LRR K, L) Loamy Mucky Mineral (F1) (LRR K, L) Loamy Gleyed Matrix (F2) Topeleted Matrix (F3) Redox Dark Surface (F6) Depleted Dark Surface (F8) Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) (LRR K, L, MLRA 149B) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (F21) Yery Shallow Dark Surface (F22)									
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Dark Surface (S7)					Wall (1 10) (LIX	IX IX, L)			Other (E	.xpiain in Nemarks)
		3								
³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Laver (if observed):	vetland hydrology must be present, unless disturbed or problematic.		, , , , , , , , , , , , , , , , , , , 	on and v	vetland hydrology mu	ıst be pr	esent, ui	nless dist	urbed or problematic.	
Type: none				е						
Depth (inches): Hydric Soil Present? Yes_		Depth (ir	nches):						Hydric Soil Prese	nt? Yes X No
		Remarks:	<u> </u>		<u></u>					
Remarks:		This data for	m is revised from No	rthcentra	l and Northeast Regi	ional Su	pplemen	t Version	2.0 to include the NR	CS Field Indicators of Hydric Soil
		Version 7.0,	2015 Errata. (http://w	ww.nrcs.	usda.gov/Internet/FS	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)	
Restrictive Layer (if observed):										
· -		•		-					Uvdria Call Deserv	nt? Van V Na
			nches):						Hydric Soil Prese	nt? Yes <u>X</u> No
	Hydric Soil Present? Yes X No		m is revised from No.	rthoontro	Land Northaget Bagi	ional Cu	nnlomon	t Vorcion	2.0 to include the NP	CS Field Indicators of Hydric Scil
										C3 Field illulcators of Hydric Soil
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Remarks: This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators Version 7.0, 2015 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)	al and Northeast Regional Supplement Version 2.0 to include the NRCS Field Indicators of Hydric Soils,									
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Wetland C2-R-B-8- View facing west



Wetland C2-R-B-8- Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Saratoga Springs/Saratoga Sampling Date: 12/2/21
Applicant/Owner: TDI	 State: NY Sampling Point: c2-R-B-8 ∪pl
Investigator(s): N. Frazer, J. Greaves	Section, Township, Range:
· · · · · ·	relief (concave, convex, none): none Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 43-05-58N	Long: 73-47-34W Datum: WGS 84
Soil Map Unit Name: Rhinebeck silt loam (RhB)	NWI classification: N/A
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes No X
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.) Railroad embankment.	
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 (I	
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 (· · · · · · · · · · · · · · · · · · ·
Sediment Deposits (B2) Oxidized Rhizospheres of Polymore (B)	
Prift Deposits (B3) Presence of Reduced Inc	
Algal Mat or Crust (B4) Recent Iron Reduction in This Music Surface (G7)	
Iron Deposits (B5) Thin Muck Surface (C7) Other (Figure in Present	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No _x Depth (inches):	
Water Table Present? Yes No _x Depth (inches):	
Saturation Present? Yes No x Depth (inches):	: Wetland Hydrology Present? Yes No _X
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	
Remarks.	

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1.				Number of Dominant Species
2.				That Are OBL, FACW, or FAC:0 (A)
3. 4.				Total Number of Dominant Species Across All Strata:(B)
5 6				Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species0 x1 =0
1				FACW species 0 x 2 = 0
2				FAC species 0 x 3 = 0
3.				FACU species90 x 4 =360
4.				UPL species2 x 5 =10
5.				Column Totals: 92 (A) 370 (B)
6.				Prevalence Index = B/A = 4.02
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		•		2 - Dominance Test is >50%
1. Daucus carota	2	No	UPL	3 - Prevalence Index is ≤3.0 ¹
2. Festuca rubra	90	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3.				data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation ¹ (Explain)
5.				¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
11.		·		Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	92	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30') 1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic
4.		<u> </u>		Vegetation Present? Yes No _ X _
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet)	-		
Tremarks. (Include prioto numbers here of on a separ	ate sneet.)			

Sampling Point: C2-R-B-8 Upl

SOIL Sampling Point C2-R-B-8 Upl

Profile Description: (Describe to the depth needed to document the indicator or co							onfirm the absence of	indicators.)	
Depth	Matrix		Redox	x Featur	es				
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks	
0-7	10YR 3/2	95	10YR 2/1	5	C	M	Loamy/Clayey	Faint redox concentrations	
7-12	10YR 4/2	98	10YR 4/6	2	<u> </u>	<u>M</u>	Loamy/Clayey	Prominent redox concentrations	
12-16	10YR 5/2	62	7.5YR 4/6	35	<u> </u>	M	Loamy/Clayey	Prominent redox concentrations	
			7.5YR 3/1	3	<u>C</u>	M		Distinct redox concentrations	
¹ Type: C=Co	ncentration, D=Depl	etion, RM	1=Reduced Matrix, M	1S=Mas	ked Sand	l Grains.		L=Pore Lining, M=Matrix.	
Hydric Soil I								or Problematic Hydric Soils ³ :	
— Histosol (Polyvalue Belo		ce (S8) (LRR R,		ck (A10) (LRR K, L, MLRA 149B)	
	ipedon (A2)		MLRA 149B)	,	\	MIDA		airie Redox (A16) (LRR K, L, R)	
Black His	` '		Thin Dark Surface (S9) (LRR R, MLRA 1 High Chroma Sands (S11) (LRR K, L)					cky Peat or Peat (S3) (LRR K, L, R)	
	Sulfide (A4)							e Below Surface (S8) (LRR K, L)	
	Layers (A5) Below Dark Surface	(111)	Loamy Mucky Mineral (F1) (LRR K, L) Loamy Gleyed Matrix (F2)			K K, L)	Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R)		
l — ·	rk Surface (A12)	(A11)	X Depleted Matrix (F3)				Piedmont Floodplain Soils (F19) (MLRA 149B)		
	ucky Mineral (S1)		Redox Dark Surface (F6)				Mesic Spodic (TA6) (MLRA 144A, 145, 149B)		
	eyed Matrix (S4)		Depleted Dark Surface (F7)				Red Parent Material (F21)		
Sandy Re	• , ,		Redox Depressions (F8)				Very Shallow Dark Surface (F22)		
	Matrix (S6)							xplain in Remarks)	
Dark Sur			Marl (F10) (LRR K, L)				outs. (Explain in restaute)		
	()								
³ Indicators of	hydrophytic vegetati	ion and w	etland hydrology mu	ıst be pr	esent, ur	nless dist	urbed or problematic.		
	ayer (if observed):								
Type: _	non	е							
Depth (in	ches):						Hydric Soil Presen	t? Yes X No	
Remarks:							•		
								CS Field Indicators of Hydric Soils,	
Version 7.0, 2	2015 Errata. (http://w	/ww.nrcs.	usda.gov/Internet/FS	SE_DOC	JUMENI	S/nrcs14	2p2_051293.docx)		



Upland C2-R-B-8- View facing west



Upland C2-R-B-8- Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site:	Champlain Huds	son Express		City/Coun	nty: Sarato	ga	Sampling [Date: Dece	ember 3, 2021
Applicant/Owner:	СНА			State:	NY		Sampling P	Point: DP-C	CH
Investigator(s):	Tristen Peterson	<u> </u>		Section, To	ownship, Range	: Saratoga S	Springs		
Landform (hillslope,	-	Depression			f (concave, conv		Concave	Slor	pe (%): 1
Subregion (LRR or I		LRR R		Lat: 43.096852°	·	ong: -73.79719			um: NAD83
• .			0: 0 = 0 = 0 = 0 = 0		TIN L	الا الا القارية - Ongا			
Soil Map Unit Name		beck silty clay loam			Y 11		NWI classification:	Not Mapped	
Are climatic / hydrol	•	•	•				, explain in Remarks.	·	
		, or Hydrology				re "Normal Circun	nstances" present?	Yes	X No
Are Vegetation	, Soil	, or Hydrology	natu	rally problematic?	? (If	needed, explain	any answers in Rem	ıarks.)	
SUMMA	ARY OF FIND	INGS – Attach	site map	showing sam	pling point	locations, tra	ansects, import	tant featur	es, etc.
Hydrophytic Vege	etation Present?	Yes	X No		Is the Sample	ed Area			
Hydric Soil Preser		Yes	X No		within a Wetla		Yes X	No	_
Wetland Hydrolog		Yes	X No		If yes, optional	l Wetland Site ID:	: CH		
HYDROLOGY									
	Indicators						Cacandany Indicators	/minimum of t	···o required)
Wetland Hydrolo		= i= required; check	all that apply)				Secondary Indicators		.wo required)
Surface Water		e is required; check			DO)		Surface Soil Cracks Drainage Patterns (
X High Water T	<u> </u>				D9)	_	Moss Trim Lines (B		
X Saturation (A	<u> </u>					_	Dry-Season Water	*	
Water Marks					(C1)	_	Crayfish Burrows (C		
Sediment De	_ · · · · · · · · · · · · · · · · · · ·					(C3)	Saturation Visible o		erv (C9)
Drift Deposits	<u> </u>				=		Stunted or Stressed	_	, (,
Algal Mat or				t Iron Reduction in		6) X	Geomorphic Positio	on (D2)	
Iron Deposits	s (B5)		Thin M	Muck Surface (C7)		_	Shallow Aquitard (D) 3)	
	isible on Aerial Im		Other	(Explain in Remarl	rks)	<u>X</u>	Microtopographic R	Relief (D4)	
Sparsely Veg	getated Concave	Surface (B8)					FAC-Neutral Test (I	D5)	
Field Observation									
Surface Water Pre		Yes No							
Water Table Prese		Yes X No				Wetland Hydr	ology Present?	Yes X	No
Saturation Presen		Yes X No	Depth	ı (inches): 6					
(includes capillary Describe Recorde	<u> </u>	auge, monitoring w	ell aerial phot	os previous inspe	ections) if availa	hle.			
Dodding 11000.11	u Data (cca g.	augo, mon	OII, GOIIGI P.1.2.	00, providuoe	Johonoj, a.c	DIC.			
Remarks:									

Tree Stratum (Plot size: 30 ft.)	Absolute Dominant Indicator % Cover Species? Status	Dominance Test worksheet:
·		Number of Dominant Species
1		That Are OBL, FACW, or FAC:5(A)
2		Total Number of Dominant
3		Species Across All Strata:5(B)
4		Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)
5		(VVB)
6		Prevalence Index worksheet:
7		Total % Cover of: Multiply by:
	= Total Cover	OBL species 0 x 1 = 0
Sapling/Shrub Stratum (Plot size: 15 ft.)		FACW species $\frac{95}{20}$ $\times 2 = \frac{190}{60}$ FAC species $\times 3 = 60$
1. Rhamnus cathartica	20 Yes FAC	FACU species 0 x 4 = 0
2. Salix discolor	10 Yes FACW	UPL species 0 x 5 = 0
3. Cornus amomum	15 Yes FACW	Column Totals: 115 (A) 250 (B)
4		
5		Prevalence Index = B/A = 2.17
6		Hydrophytic Vegetation Indicators:
7		1 - Rapid Test for Hydrophytic Vegetation
	45 = Total Cover	X 2 - Dominance Test is >50% X 3 - Prevalence Index is ≤3.0 ¹
Herb Stratum (Plot size: 5 ft.)	= Total Cover	4 - Morphological Adaptations ¹ (Provide supporting
Onoclea sensibilis	30 Yes FACW	data in Remarks or on a separate sheet)
Phalaris arundinacea	30 Yes FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
	10 No FACW	¹ Indicators of hydric soil and wetland hydrology must
o. Oymphyothenam novae angliae	TO NO TACW	be present, unless disturbed or problematic.
4		Definitions of Vegetation Strate.
5		Definitions of Vegetation Strata:
6		Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
7		
8.		Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
9		Herb – All herbaceous (non-woody) plants, regardless of
10		size, and woody plants less than 3.28 ft tall.
11		Woody vines – All woody vines greater than 3.28 ft in
12		height.
	= Total Cover	
Woody Vine Stratum (Plot size: 30 ft.)		
1.		
2		Hydrophytic Vegetation
3.		Present? Yes <u>X</u> No
4.		
	0 - Total Cover	
Demanta, Angluda abata aumbara bara ar an a canar		
4Remarks: (Include photo numbers here or on a separa	0 = Total Cover	

Sampling Point: DP-CH

SOIL Sampling Point: DP-CH Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.) Redox Features Color (moist) Color (moist) Loc² (inches) Texture Remarks 0-10 10YR 3/2 90 7.5YR 5/6 Clay 10YR 3/2 70 7.5YR 6/8 Clay ¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. ²Location: PL=Pore Lining, M=Matrix. **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils³: Histosol (A1) Polyvalue Below Surface (S8) (LRR R, 2 cm Muck (A10) (LRR K, L, MLRA 149B) Histic Epipedon (A2) MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) Thin Dark Surface (S9) (LRR R, MLRA 149B) Black Histic (A3) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Hydrogen Sulfide (A4) Loamy Mucky Mineral (F1) (LRR K, L) Dark Surface (S7) (LRR K, L, M) Stratified Layers (A5) Loamy Gleyed Matrix (F2) Polyvalue Below Surface (S8) (LRR K, L) Depleted Matrix (F3) Depleted Below Dark Surface (A11) Thin Dark Surface (S9) (LRR K, L) X Redox Dark Surface (F6) Thick Dark Surface (A12) Iron-Manganese Masses (F12) (LRR K, L, R) Depleted Dark Surface (F7) Piedmont Floodplain Soils (F19) (MLRA 149B) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Redox Depressions (F8) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Sandy Redox (S5) Red Parent Material (F21) Stripped Matrix (S6) Very Shallow Dark Surface (TF12) Dark Surface (S7) (LRR R, MLRA 149B) Other (Explain in Remarks) ³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. Restrictive Layer (if observed): Type: None Depth (inches): Hydric Soil Present? Yes No Remarks:



Wetland CH- View facing North



Wetland CH- Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site:	Champlain Huds	on Express		City/Cour	nty: Sarato	oga	Sampling Date:	December 3, 2021		
Applicant/Owner:	СНА			State:	NY		Sampling Point:	DP-CH-Upland		
Investigator(s):										
Landform (hillslope,		Plain			f (concave, con	·		Slope (%): 1		
	·	•			•					
Subregion (LRR or I	-	LRR R		Lat: 43.096792	2°N	Long: -73.797297°W		Datum: NAD83		
Soil Map Unit Name	: RhA- Rhineb	beck silty clay loam	, 0 to 3 percen	t slopes		NWI cla	assification: Not N	Mapped		
Are climatic / hydrol	ogic conditions on	the site typical for	this time of year	ar? Yes	X N	o (If no, explain	in Remarks.)			
Are Vegetation	, Soil	, or Hydrology	signi	ficantly disturbed	1? A	re "Normal Circumstance	s" present?	Yes X No		
Are Vegetation	, Soil	, or Hydrology	natu	rally problematic	? (I	f needed, explain any ans	wers in Remarks.)			
SUMMA	ARY OF FINDI	NGS – Attach	site map s	showing sam	npling point	locations, transec	ts, important t	features, etc.		
Lludrophytic Vogo	tation Procent?	Voc	No		lo the Cample	ad Aron				
Hydrophytic Vege Hydric Soil Preser		_	No No		Is the Sample within a Wetl		No	X		
Wetland Hydrolog		_	No		If ves optiona	al Wetland Site ID:				
Remarks: (Explain a		_			li yes, optione	II Welland Site ib.				
HYDROLOGY										
Wetland Hydrolo	gy Indicators:					Seconda	ry Indicators (minin	mum of two required)		
Primary Indicators	(minimum of one	is required; check	all that apply)				e Soil Cracks (B6)			
Surface Wate				Stained Leaves (B9)		ge Patterns (B10)			
High Water T				c Fauna (B13)			rim Lines (B16)			
Saturation (A	•			eposits (B15)			ason Water Table	(C2)		
Water Marks			_	gen Sulfide Odor		Crayfish Burrows (C8)				
Sediment De				ed Rhizospheres ace of Reduced In	=					
Drift Deposits Algal Mat or				t Iron Reduction in	` '	Stunted or Stressed Plants (D1) (C6) Geomorphic Position (D2)				
Iron Deposits	• •			uck Surface (C7)	•	Shallow Aquitard (D3)				
l —	isible on Aerial Im	agery (B7)		Explain in Remar		Microtopographic Relief (D4)				
	getated Concave S			—/	,	_	eutral Test (D5)	,		
Field Observation										
Surface Water Pre		Yes No _	X Depth	(inches):						
Water Table Prese	ent?	Yes No _	X Depth	(inches):		Wetland Hydrology P	resent? Yes	No X		
Saturation Presen		Yes No	X Depth	(inches):						
(includes capillary		.141	" 'al ab ata	tour trans		••				
Describe Recorde	d Data (stream ga	auge, monitoring we	ell, aeriai pnoto	s, previous inspe	ections), if avail	able:				
Remarks:										
No wetland hydr	ology present a	t data point								

ree Stratum (Plot size: 30 ft.)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
Pinus strobus	40	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC:	0 (A)
				That Are OBL, I ACW, or I AC.	0(A)
				Total Number of Dominant Species Across All Strata:	4 (B)
				Species Across All Strata.	(B)
				Percent of Dominant Species That Are OBL, FACW, or FAC:	0 (A/E
				matrico obe, triott, or trio.	
				Prevalence Index worksheet:	
				Total % Cover of:	Multiply by:
	40	= Total Cover		-	x 1 = 0
oling/Shrub Stratum (Plot size: 15 ft.)				· ·	x 2 = 0
				FAC species 0	
				FACU species 65	_
				UPL species 0	
				Column Totals: 65	(A) <u>260</u> (B
				Prevalence Index = B/A :	= 4
				Hydrophytic Vegetation Indic	eators:
				1 - Rapid Test for Hydroph	
				2 - Dominance Test is >50	
	0	= Total Cover		3 - Prevalence Index is ≤3	
b Stratum (Plot size: 5 ft.)				4 - Morphological Adaptat data in Remarks or on	
Fragaria virginiana	10	Yes	FACU	data in Nemarks of on	a separate sneet)
Lolium perenne	5	Yes	FACU	Problematic Hydrophytic \	/egetation ¹ (Explain)
Solidago canadensis	10	Yes	FACU	¹ Indicators of hydric soil and we	etland hydrology must
				be present, unless disturbed or	problematic.
				Definitions of Vegetation Stra	ata:
				Tree – Woody plants 3 in. (7.6	cm) or more in diameter
				at breast height (DBH), regardle	·
				Sapling/shrub – Woody plants	s less than 3 in DBH
				and greater than or equal to 3.2	
				Herb – All herbaceous (non-wo	pody) plants, regardless of
)				size, and woody plants less tha	
1				Woody vines – All woody vines	s greater than 3.28 ft in
2				height.	9
	25	= Total Cover			
oody Vine Stratum (Plot size: 30 ft.)					
				Hydrophytic	
				Vegetation	NoX
				Present? Yes	NO
	0	= Total Cove	r		

SOIL Sampling Point: DP-CH-

Matriv		Rado	Features			of indicators.)				
Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Rei	marks		
10VP 2/2	100					Class				
101K 3/3	100					Clay				
	· ·			<u></u>						
-										
	· ——						-			
·							-			
centration, D=Depletion	, RM=Reduc	ed Matrix, MS=Maske	d Sand Grain	S.				_		
dicators:		5 5.	0 ((00)							
			Surface (S8)	(LRR R,		2 cm Muck (A10) (LRR K, L, MLRA 149B)				
		•	o (90) (I PP I	D MIDA	140R)	Coast Prairie Redox (A16) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Dark Surface (S7) (LRR K, L, M)				
					1496)					
				, _,		Polyvalue Below Surface (S8) (LRR K, L)				
	11)	_				Thin Dark Surface (S9) (LRR K, L)				
k Surface (A12)							Iron-Manganese Masses (F12) (LRR K, L, R)			
ıcky Mineral (S1)		Depleted Dark St	urface (F7)			Piedmo	nt Floodplain Soils (F19) (MLRA 149B)		
Sandy Gleyed Matrix (S4)		Redox Depression	ns (F8)			Mesic Spodic (TA6) (MLRA 144A, 145, 149B)				
eyeu Matrix (34)						Pod Po	rent Material (F21)			
edox (S5)										
edox (S5) Matrix (S6)						Very Sh	nallow Dark Surface ((TF12)		
edox (S5)	A 149B)					Very Sh		TF12)		
edox (S5) Matrix (S6) ace (S7) (LRR R, MLR						Very Sh Other (I	nallow Dark Surface (TF12)		
dox (S5) Matrix (S6) ace (S7) (LRR R, MLR. nydrophytic vegetation a		nydrology must be pres	sent, unless d	listurbed o	r problemat	Very Sh Other (I	nallow Dark Surface (TF12)		
edox (S5) Matrix (S6) ace (S7) (LRR R, MLR. hydrophytic vegetation a yer (if observed):		nydrology must be pres	sent, unless d	listurbed o	r problemat	Very Sh Other (I	nallow Dark Surface (TF12)		
edox (S5) Matrix (S6) ace (S7) (LRR R, MLR. mydrophytic vegetation a yer (if observed):		nydrology must be pres	sent, unless d	listurbed o	r problemat	Very St Other (I	nallow Dark Surface (Explain in Remarks)			
edox (S5) Matrix (S6) ace (S7) (LRR R, MLR. hydrophytic vegetation a yer (if observed):		nydrology must be pres	sent, unless d	listurbed o	r problemat	Very Sh Other (I	nallow Dark Surface (Explain in Remarks)	TF12) No <u>X</u>		
edox (S5) Matrix (S6) ace (S7) (LRR R, MLRA hydrophytic vegetation a yer (if observed):		nydrology must be pres	sent, unless d	listurbed o	r problemat	Very St Other (I	nallow Dark Surface (Explain in Remarks)			
edox (S5) Matrix (S6) ace (S7) (LRR R, MLR. mydrophytic vegetation a yer (if observed):		nydrology must be pres	sent, unless d	listurbed o	r problemat	Very St Other (I	nallow Dark Surface (Explain in Remarks)			
edox (S5) Matrix (S6) ace (S7) (LRR R, MLRA hydrophytic vegetation a yer (if observed):		nydrology must be pres	sent, unless d	listurbed o	r problemat	Very St Other (I	nallow Dark Surface (Explain in Remarks)			
edox (S5) Matrix (S6) ace (S7) (LRR R, MLRA hydrophytic vegetation a yer (if observed):		nydrology must be pres	sent, unless d	listurbed o	r problemat	Very St Other (I	nallow Dark Surface (Explain in Remarks)			
edox (S5) Matrix (S6) ace (S7) (LRR R, MLRA hydrophytic vegetation a yer (if observed):		nydrology must be pres	sent, unless d	listurbed o	r problemat	Very St Other (I	nallow Dark Surface (Explain in Remarks)			
edox (S5) Matrix (S6) ace (S7) (LRR R, MLRA hydrophytic vegetation a yer (if observed):		nydrology must be pres	sent, unless d	listurbed o	r problemat	Very St Other (I	nallow Dark Surface (Explain in Remarks)			
edox (S5) Matrix (S6) ace (S7) (LRR R, MLRA hydrophytic vegetation a yer (if observed):		nydrology must be pres	sent, unless d	listurbed o	r problemat	Very St Other (I	nallow Dark Surface (Explain in Remarks)			
edox (S5) Matrix (S6) ace (S7) (LRR R, MLRA hydrophytic vegetation a yer (if observed):		nydrology must be pres	sent, unless d	listurbed o	r problemat	Very St Other (I	nallow Dark Surface (Explain in Remarks)			
edox (S5) Matrix (S6) ace (S7) (LRR R, MLRA hydrophytic vegetation a yer (if observed):		nydrology must be pres	sent, unless d	listurbed o	r problemat	Very St Other (I	nallow Dark Surface (Explain in Remarks)			
edox (S5) Matrix (S6) ace (S7) (LRR R, MLRA hydrophytic vegetation a yer (if observed):		nydrology must be pres	sent, unless d	listurbed o	r problemat	Very St Other (I	nallow Dark Surface (Explain in Remarks)			
edox (S5) Matrix (S6) ace (S7) (LRR R, MLRA hydrophytic vegetation a yer (if observed):		nydrology must be pres	sent, unless d	listurbed o	r problemat	Very St Other (I	nallow Dark Surface (Explain in Remarks)			
edox (S5) Matrix (S6) ace (S7) (LRR R, MLRA hydrophytic vegetation a yer (if observed):		nydrology must be pres	sent, unless d	listurbed o	r problemat	Very St Other (I	nallow Dark Surface (Explain in Remarks)			
edox (S5) Matrix (S6) ace (S7) (LRR R, MLRA hydrophytic vegetation a yer (if observed):		nydrology must be pres	sent, unless d	listurbed o	r problemat	Very St Other (I	nallow Dark Surface (Explain in Remarks)			
edox (S5) Matrix (S6) ace (S7) (LRR R, MLRA hydrophytic vegetation a yer (if observed):		nydrology must be pres	sent, unless d	listurbed o	r problemat	Very St Other (I	nallow Dark Surface (Explain in Remarks)			
edox (S5) Matrix (S6) ace (S7) (LRR R, MLRA hydrophytic vegetation a yer (if observed):		nydrology must be pres	sent, unless d	listurbed o	r problemat	Very St Other (I	nallow Dark Surface (Explain in Remarks)			
edox (S5) Matrix (S6) ace (S7) (LRR R, MLRA hydrophytic vegetation a yer (if observed):		nydrology must be pres	sent, unless d	listurbed o	r problemat	Very St Other (I	nallow Dark Surface (Explain in Remarks)			
edox (S5) Matrix (S6) ace (S7) (LRR R, MLRA hydrophytic vegetation a yer (if observed):		nydrology must be pres	sent, unless d	listurbed o	r problemat	Very St Other (I	nallow Dark Surface (Explain in Remarks)			
edox (S5) Matrix (S6) ace (S7) (LRR R, MLRA hydrophytic vegetation a yer (if observed):		nydrology must be pres	sent, unless d	listurbed o	r problemat	Very St Other (I	nallow Dark Surface (Explain in Remarks)			
d A priti	tentration, D=Depletion dicators: A1) dic (A3) Sulfide (A4) Layers (A5) Below Dark Surface (A K Surface (A12) cky Mineral (S1)	Color (moist) % 10YR 3/3 100 10YR 3/3 100 centration, D=Depletion, RM=Reduction (A2) ic (A3) Sulfide (A4) Layers (A5) Below Dark Surface (A11) k Surface (A12) cky Mineral (S1)	Color (moist) % Color (moist) 10YR 3/3 100 centration, D=Depletion, RM=Reduced Matrix, MS=Masker centrations: A1) Polyvalue Below	Color (moist) % Color (moist) % 10YR 3/3 100 Centration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grain Centrations: A1) Polyvalue Below Surface (S8) MLRA 149B) Ici (A3) MLRA 149B) Ici (A3) Thin Dark Surface (S9) (LRR 10) Loamy Mucky Mineral (F1) (LI) Loamy Gleyed Matrix (F2) Below Dark Surface (A11) Redox Dark Surface (F6) Cky Mineral (S1) Depleted Dark Surface (F7)	Color (moist) % Color (moist) % Type¹ 10YR 3/3 100 Centration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. Centration, D=Depletion, D=Depletion, D=Depletion, D=Depletion, D=Depletion, D=Depletion,	Color (moist)	Color (moist)	Color (moist)		



Upland CH- View facing South



Upland CH- Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Saratoga/Saratoga Sampling Date: 12/3/21
Applicant/Owner: TDI	State: NY Sampling Point: c2-R-C-5 Wet
Investigator(s): J. Greaves & C. Einstein	Section, Township, Range:
Landform (hillside, terrace, etc.): Depression Local	relief (concave, convex, none): Concave Slope %: 10
Subregion (LRR or MLRA): LRR R Lat: 43-05-45N	Long: 73-47-54W Datum: WGS84
Soil Map Unit Name: RhB - Rhinebeck silt loam, 3 to 8 percent slopes	NWI classification: PEM1
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation , Soil , or Hydrology naturally problema	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.) Shallow emergent marsh.	
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)
X Surface Water (A1) Water-Stained Leaves (I	· ·
X High Water Table (A2) Aquatic Fauna (B13) And Denseits (B15)	Moss Trim Lines (B16)
X Saturation (A3) — Marl Deposits (B15) Water Marks (B1) Hydrogen Sulfide Odor (C1) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Sediment Deposits (B2) Sediment Deposits (B2) Oxidized Rhizospheres	· · · · · · · · · · · · · · · · · · ·
Drift Deposits (B3) Presence of Reduced In	
Algal Mat or Crust (B4) Recent Iron Reduction in	
Iron Deposits (B5) Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes X No Depth (inches):	: 2
Water Table Present? Yes X No Depth (inches):): <u> </u>
Saturation Present? Yes X No Depth (inches):	:0 Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	
Tromano.	

<u>Free Stratum</u> (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
Populus deltoides	10	Yes	FAC	Newshar of Densire and On a day		
				Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)		
				Total Number of Dominant Species Across All Strata: 5 (B)		
·						
				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B		
·				Prevalence Index worksheet:		
	10	=Total Cover		Total % Cover of: Multiply by:		
Sapling/Shrub Stratum (Plot size: 15')	10	- Total Cover		OBL species 55 x 1 = 55		
	10	Vaa	FAC			
Cornus racemosa		Yes	FAC	FACW species 50 x 2 = 100		
2. Salix bebbiana	5	Yes	FACW	FAC species 22 x 3 = 66		
Populus deltoides	2	No	FAC_	FACU species		
l				UPL species 0 x 5 = 0		
i				Column Totals: 127 (A) 221 (B		
i				Prevalence Index = B/A =1.74		
·				Hydrophytic Vegetation Indicators:		
	17	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
lerb Stratum (Plot size:5')				X 2 - Dominance Test is >50%		
. Typha angustifolia	50	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹		
Phragmites australis	30	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supporti		
S. Symphyotrichum novae-angliae	5	No	FACW	data in Remarks or on a separate sheet)		
Bidens frondosa	5	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)		
5. Lythrum salicaria	5	No	OBL	¹ Indicators of hydric soil and wetland hydrology must		
S. Salix bebbiana	5	No	FACW	be present, unless disturbed or problematic.		
				Definitions of Vegetation Strata:		
3.				Tree – Woody plants 3 in. (7.6 cm) or more in		
).				diameter at breast height (DBH), regardless of height		
0.				Continued have been then 2 in DDI.		
1.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.		
2.						
	100	=Total Cover		Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.		
Noody Vine Stratum (Plot size: 30')		·				
				Woody vines – All woody vines greater than 3.28 ft in height.		
				neight.		
				Hydrophytic		
3				Vegetation		
				Present?		
		=Total Cover				

Profile Desc	ription: (Describe t Matrix	o the de	•	ıment t l x Featur		ator or co	onfirm the absence of	f indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 3/2	100			<u> </u>		Loamy/Clayey	
8-16	10YR 3/1	90	10YR 4/3	10	С	<u>m</u>	Loamy/Clayey	Distinct redox concentrations
		<u> </u>						
		<u> </u>			<u> </u>			
		<u> </u>						
¹Type: C=Co	ncentration, D=Depl	etion. RM	======================================	 1S=Mas	ked Sand	Grains.	² Location: P	L=Pore Lining, M=Matrix.
Black His Hydroger Stratified Depleted Thick Da Sandy M Sandy GI Sandy Re Stripped Dark Sur	(A1) ipedon (A2) stic (A3) n Sulfide (A4) Layers (A5) Below Dark Surface rk Surface (A12) ucky Mineral (S1) eyed Matrix (S4) edox (S5) Matrix (S6) face (S7)		Polyvalue Belo MLRA 149B Thin Dark Surfi High Chroma S Loamy Mucky Loamy Gleyed Depleted Matri X Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR) ace (S9 Sands (S Mineral Matrix (x (F3) urface (F Surface sions (Fi R K, L)	(LRR R 611) (LRI (F1) (LRI F2) 66) (F7)	, MLRA 1 R K, L) R K, L)	2 cm Mu Coast Pr 49B) 5 cm Mu Polyvalu Thin Dar Iron-Man Piedmon Mesic Sp Red Pare Very Sha	or Problematic Hydric Soils ³ : ck (A10) (LRR K, L, MLRA 149B) rairie Redox (A16) (LRR K, L, R) cky Peat or Peat (S3) (LRR K, L, R) e Below Surface (S8) (LRR K, L) k Surface (S9) (LRR K, L) rganese Masses (F12) (LRR K, L, R) at Floodplain Soils (F19) (MLRA 149B) bodic (TA6) (MLRA 144A, 145, 149B) ent Material (F21) allow Dark Surface (F22) xplain in Remarks)
Type:							Hydric Soil Preser	nt? Yes X No
	n is revised from No 2015 Errata. (http://w		_					CS Field Indicators of Hydric Soils,



Wetland C2-R-C-5 - View facing northeast.



Wetland C2-R-C-5 - Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Saratoga/Saratoga Sampling Date: 12/3/21
Applicant/Owner: TDI	State: NY Sampling Point: c2-R-c-5 Upl
Investigator(s): J. Greaves & C. Einstein	Section, Township, Range:
	relief (concave, convex, none): Convex Slope %: 5
Subregion (LRR or MLRA): LRR R Lat: 43-05-44N	Long: 73-47-54W Datum: WGS84
Soil Map Unit Name: RhB - Rhinebeck silt loam, 3 to 8 percent slopes	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes No X	within a Wetland? Yes No _X
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
Gravel road.	
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 (· · · · · · · · · · · · · · · · · · ·
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 (
Sediment Deposits (B2) Oxidized Rhizospheres Oxidized Rhizospheres	
Prift Deposits (B3) Presence of Reduced In	
Algal Mat or Crust (B4) Recent Iron Reduction in This Music Surface (G7)	
Iron Deposits (B5) Thin Muck Surface (C7) Other (Figure in Personal Income (B7))	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inches)	
Water Table Present? Yes No X Depth (inches)	
Saturation Present? Yes No X Depth (inches)	: Wetland Hydrology Present? Yes No _X
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), ii available:
Remarks:	
Tromano.	
I .	

	Absolute	Dominant	Indicator	
ee Stratum (Plot size:)	% Cover	Species?	Status	Dominance Test worksheet:
				Number of Dominant Species
				That Are OBL, FACW, or FAC: 1 (A)
				Total Number of Dominant Species Across All Strata: 1 (B)
				Opecies Acioss Ali Otiata.
				Percent of Dominant Species
				That Are OBL, FACW, or FAC:100.0%(A/E
				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size:15')			OBL species0 x 1 =0
				FACW species 0 x 2 = 0
				FAC species 25 x 3 = 75
	•			FACU species 0 x 4 = 0
				· — —
				UPL species0 x 5 =0
				Column Totals: 25 (A) 75 (E
				Prevalence Index = B/A = 3.00
				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
erb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
Setaria pumila	25	Yes	FAC	3 - Prevalence Index is ≤3.0 ¹
				4 - Morphological Adaptations ¹ (Provide supporti
				data in Remarks or on a separate sheet)
				Problematic Hydrophytic Vegetation ¹ (Explain)
				¹ Indicators of hydric soil and wetland hydrology must
				be present, unless disturbed or problematic.
				Definitions of Vegetation Strata:
				Tree Woody plants 2 in /7.6 cm) or more in
				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of heigh
·				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
				and greater than or equal to 3.28 it (1 m) tall.
				Herb – All herbaceous (non-woody) plants, regardles
	25	=Total Cover		of size, and woody plants less than 3.28 ft tall.
oody Vine Stratum (Plot size:30')			Woody vines – All woody vines greater than 3.28 ft
				height.
				Hydrophytic
				Vegetation Present? Yes X No
		=Total Cover		

SOIL Sampling Point C2-R-C-5 Upl

		to the de				tor or co	onfirm the absence of i	indicators.)
Depth	Matrix			x Featur		. 2	- .	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
								_
	oncentration, D=Depl	etion, RM	I=Reduced Matrix, N	/IS=Masl	ked Sand	Grains.		=Pore Lining, M=Matrix.
Hydric Soil	ndicators:						Indicators for	Problematic Hydric Soils ³ :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (I	_RR R,	2 cm Muc	k (A10) (LRR K, L, MLRA 149B)
Histic Ep	pipedon (A2)		MLRA 149B)			Coast Pra	irie Redox (A16) (LRR K, L, R)
Black Hi	stic (A3)		Thin Dark Surf	ace (S9)	(LRR R	MLRA 1	49B) 5 cm Mucl	ky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S		-			Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky					Surface (S9) (LRR K, L)
	l Below Dark Surface	Δ11)	Loamy Gleyed			, =/		ganese Masses (F12) (LRR K, L, R)
	r Below Bark Surface irk Surface (A12)	(Δ11)			1 2)			
			Depleted Matri		.0)			Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su					odic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark					nt Material (F21)
	edox (S5)		Redox Depress		8)			low Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	RK,L)			Other (Exp	plain in Remarks)
Dark Sui	face (S7)							
³ Indicators of	hydrophytic vegetat	ion and w	etland hydrology mι	ust be pr	esent, ur	ıless dist	urbed or problematic.	
Restrictive I	ayer (if observed):							
Type:								
- Denth (ir	nches):						Hydric Soil Present	? Yes No X
							Tryunc don't resent	163 <u> 163 X</u>
Remarks:								
Soils consist	of crusher run stone							



Upland C2-R-C-5 - View facing east.

SITE PHOTOGRAPHS

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: CHPE Package 3		City/County: Greenfi	eld / Saratoga	Sampling Date: 11/07/22
Applicant/Owner: TDI			State: NY	Sampling Point: Wet P3-CC
Investigator(s): C. Scrivner		Section, Tov	wnship, Range:	
Landform (hillside, terrace, etc.): Depressio	n Local re	elief (concave, conve	x, none): Concave	Slope %: 2
Subregion (LRR or MLRA): LRR R	Lat: 43.09596° N		-73.79881° W	Datum: WGS 84
Soil Map Unit Name: RhB: Rhinebeck silt loa			NWI classification:	PEM1
Are climatic / hydrologic conditions on the site	typical for this time of year?	Yes X	No (If no, e	explain in Remarks.)
Are Vegetation, Soil, or Hydrol	logy significantly disturb	ed? Are "Norm	nal Circumstances" prese	
Are Vegetation, Soil, or Hydrol			d, explain any answers in	Remarks.)
SUMMARY OF FINDINGS – Attach				
Hadardaria Vandaria Bassaria	Yes V. Ne		<u></u>	
Hydrophytic Vegetation Present? Hydric Soil Present?	Yes X No No	Is the Sampled Ar within a Wetland?		No
Wetland Hydrology Present?			Yes X tland Site ID: Near flag	No
Remarks: (Explain alternative procedures he	Yes X No	— ii yes, opilonai we	liand Sile ID. Near nag	P3-CC-14
Palustrine emergent marsh.	re or in a separate report.			
HYDROLOGY				
Wetland Hydrology Indicators:			Secondary Indicators (m	ninimum of two required)
Primary Indicators (minimum of one is require	ed; check all that apply)		Surface Soil Cracks	(B6)
Surface Water (A1)	Water-Stained Leaves (B	(9)	Drainage Patterns (B10)
X High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B	16)
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water	Γable (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C	21)	Crayfish Burrows (C	(8)
Sediment Deposits (B2)	Oxidized Rhizospheres or	n Living Roots (C3)	Saturation Visible or	n Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron	n (C4)	Stunted or Stressed	Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in	Tilled Soils (C6)	X Geomorphic Positio	n (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)		Shallow Aquitard (D	3)
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remark	is)	Microtopographic R	elief (D4)
Sparsely Vegetated Concave Surface (B	8)		FAC-Neutral Test (D	05)
Field Observations:				
Surface Water Present? Yes	No X Depth (inches):			
Water Table Present? Yes X	No Depth (inches): _	2		
Saturation Present? Yes X	No Depth (inches):	0 Wetlan	d Hydrology Present?	Yes X No
(includes capillary fringe)				
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, prev	ious inspections), if a	available:	
Remarks:				
Tromano.				

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1.	70 00101	Ороскос.	Otatao	
2.				Number of Dominant Species That Are OBL, FACW, or FAC:(A)
3 4				Total Number of Dominant Species Across All Strata: 4 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC: 50.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15')				OBL species 50 x 1 = 50
Cornus racemosa	20	Yes	FAC	FACW species 10 x 2 = 20
2.				FAC species 20 x 3 = 60
3.				FACU species 40 x 4 = 160
4.				UPL species 0 x 5 = 0
5.				Column Totals: 120 (A) 290 (B)
6.				Prevalence Index = B/A = 2.42
7.				Hydrophytic Vegetation Indicators:
	20	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		-10101 00101		2 - Dominance Test is >50%
Poa pratensis	30	Yes	FACU	X 3 - Prevalence Index is ≤3.0 ¹
Carex lurida	20	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting
				data in Remarks or on a separate sheet)
Lythrum salicaria Typha angustifolia	15 15	No No	OBL OBL	Problematic Hydrophytic Vegetation ¹ (Explain)
· · · · · · · · · · · · · · · · · · ·		No No		Problematic Hydrophytic vegetation (Explain)
5. Bidens frondosa	10	No No	FACU	¹ Indicators of hydric soil and wetland hydrology must be
6. Geranium maculatum	5	<u>No</u>	FACU	present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in diameter
9				at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11		-		and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
	95	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				Woody vines - All woody vines greater than 3.28 ft in
Celastrus orbiculatus	5	Yes	FACU	height.
2				Hydrophytic
3		·		Vegetation
4				Present?
4	5	=Total Cover		

Sampling Point: Wet P3-CC

SOIL Sampling Point: Wet P3-CC

Depth	ription: (Describe to Matrix	o tne dep		ı ment th x Featur		tor or co	nfirm the absence of	indicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-8	10YR 3/1	60	10YR 4/6	10	С	PL/M	Loamy/Clayey	Prominent redox concentrations		
			10YR 5/4	20	С	M	·	Distinct redox concentrations		
			2.5YR 3/6	10	С	PL/M		Prominent redox concentrations		
8-20	10YR 5/1	60	10YR 5/8	20	С	M	Loamy/Clayey	Prominent redox concentrations		
			10YR 5/6	15	С	М		Prominent redox concentrations		
			10YR 5/3	5	<u>C</u>	M		Distinct redox concentrations		
¹Type: C=Co	ncentration, D=Deple	etion, RM=	-Reduced Matrix, M	S=Mask	ed Sand	Grains.	² Location: P	L=Pore Lining, M=Matrix.		
Hydric Soil I		•	·					or Problematic Hydric Soils ³ :		
Histosol	(A1)		Dark Surface (S7)			2 cm Mu	ick (A10) (LRR K, L, MLRA 149B)		
Histic Ep	ipedon (A2)		Polyvalue Belo	w Surfac	ce (S8) (I	LRR R,	Coast Pr	rairie Redox (A16) (LRR K, L, R)		
Black His	stic (A3)		MLRA 149B)			5 cm Mu	icky Peat or Peat (S3) (LRR K, L, R)		
Hydroger	n Sulfide (A4)		Thin Dark Surf	ace (S9)	(LRR R	, MLRA 1	49B) Polyvalu	e Below Surface (S8) (LRR K, L)		
Stratified	Layers (A5)		High Chroma S	Sands (S	11) (LRF	R K, L)	Thin Dar	rk Surface (S9) (LRR K, L)		
X Depleted	Below Dark Surface	(A11)	Loamy Mucky	Mineral (F1) (LRF	R K, L)	Iron-Mar	nganese Masses (F12) (LRR K, L, R)		
Thick Da	rk Surface (A12)		Loamy Gleyed	Matrix (F	=2)		Piedmor	nt Floodplain Soils (F19) (MLRA 149B)		
Mesic Sp	odic (A17)		X Depleted Matri	x (F3)			Red Par	ent Material (F21) (outside MLRA 145)		
(MLR	A 144A, 145, 149B)		X Redox Dark Su	urface (F	6)		Very Sha	allow Dark Surface (F22)		
	ucky Mineral (S1)		Depleted Dark		, ,		Other (E	xplain in Remarks)		
	leyed Matrix (S4)		X Redox Depress	,	3)		à			
	edox (S5)		Marl (F10) (LR				³ Indicators of hydrophytic vegetation and			
Stripped	Matrix (S6)		Red Parent Ma	aterial (F	21) (MLF	RA 145)		nd hydrology must be present, s disturbed or problematic.		
Restrictive L	ayer (if observed):									
Type:										
Depth (in	ches):						Hydric Soil Preser	nt? Yes X No		
Remarks:										



Wetland P3-CC - View facing south



Wetland P3-CC - Soils

SITE PHOTOGRAPHS

Segment 4 and 5 – Package 3

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: CHPE Package 3	City/Co	unty: Greenfield / Saratoga	Sampling Date: 11/07/2022		
Applicant/Owner: TDI		State:	NY Sampling Point: Upl P3-CC-14		
Investigator(s): C. Scrivner		Section, Township, Range:			
Landform (hillside, terrace, etc.): Flat	Local relief (co	ncave, convex, none): None	Slope %: 0		
		·			
,	at: 43.09596° N	Long: -73.79877° W	Datum: WGS 84		
Soil Map Unit Name: RhB: Rhinebeck silt loam, 3 to	B percent slopes	NWI classifica	ation: NA		
Are climatic / hydrologic conditions on the site typical f	or this time of year?	Yes X No ((If no, explain in Remarks.)		
Are Vegetation, Soil, or Hydrology	significantly disturbed?	Are "Normal Circumstances"	present? Yes X No		
Are Vegetation, Soil, or Hydrology	naturally problematic?	(If needed, explain any answ	vers in Remarks.)		
SUMMARY OF FINDINGS – Attach site m		point locations, transec	ts, important features, etc.		
Hydrophytic Vegetation Present? Yes	No X Is the	Sampled Area			
Hydric Soil Present? Yes		a Wetland? Yes	No X		
Wetland Hydrology Present? Yes		optional Wetland Site ID:	NO_X_		
Remarks: (Explain alternative procedures here or in Adjacent road shoulder.	a Separate report.)				
, tajassin rodd difediaer.					
HYDROLOGY			_		
Wetland Hydrology Indicators:		Secondary Indicat	tors (minimum of two required)		
Primary Indicators (minimum of one is required; chec	k all that apply)	Surface Soil (Cracks (B6)		
Surface Water (A1)	ater-Stained Leaves (B9)	Drainage Patt	terns (B10)		
High Water Table (A2) Aq	uatic Fauna (B13)	Moss Trim Lir	Moss Trim Lines (B16)		
Saturation (A3) Ma	Marl Deposits (B15)		Dry-Season Water Table (C2)		
Water Marks (B1)Hy	Hydrogen Sulfide Odor (C1)		Crayfish Burrows (C8)		
Sediment Deposits (B2)	Oxidized Rhizospheres on Living Roots (C3) Saturation Visible on Aer		sible on Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduced Iron (C4)		ressed Plants (D1)		
Algal Mat or Crust (B4)	Recent Iron Reduction in Tilled Soils (C6)		Geomorphic Position (D2)		
Iron Deposits (B5)Th	Iron Deposits (B5) Thin Muck Surface (C7)		Shallow Aquitard (D3)		
	ner (Explain in Remarks)	Microtopogra	phic Relief (D4)		
Sparsely Vegetated Concave Surface (B8)		FAC-Neutral	Test (D5)		
Field Observations:					
Surface Water Present? Yes No		.			
Water Table Present? Yes No					
Saturation Present? Yes No	C Depth (inches):	Wetland Hydrology Prese	ent? Yes No _X		
(includes capillary fringe)					
Describe Recorded Data (stream gauge, monitoring v	vell, aerial photos, previous ins	pections), if available:			
Deved					
Remarks:					

<u>Tree Stratum</u> (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1 2				Number of Dominant Species That Are OBL, FACW, or FAC:(A)	
3. 4.				Total Number of Dominant Species Across All Strata: 2 (B)	
5.6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)	
7.				Prevalence Index worksheet:	
		=Total Cover		Total % Cover of: Multiply by:	
Sapling/Shrub Stratum (Plot size: 15')				OBL species 0 x 1 = 0	
1.				FACW species 0 x 2 = 0	
2.				FAC species 30 x 3 = 90	
3.				FACU species 40 x 4 = 160	
4.				UPL species 25 x 5 = 125	
5.				Column Totals: 95 (A) 375 (B)	
6.				Prevalence Index = B/A = 3.95	
7.				Hydrophytic Vegetation Indicators:	
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation	
Herb Stratum (Plot size: 5')		•		2 - Dominance Test is >50%	
1. Setaria pumila	30	Yes	FAC	3 - Prevalence Index is ≤3.0 ¹	
2. Lotus corniculatus	20	Yes	FACU	4 - Morphological Adaptations ¹ (Provide supporting	
3. Securigera varia	15	No	UPL	data in Remarks or on a separate sheet)	
4. Trifolium pratense	10	No	FACU	Problematic Hydrophytic Vegetation ¹ (Explain)	
5. Artemisia vulgaris	10	No	UPL	<u> </u>	
6. Geranium maculatum	10	No	FACU	¹ Indicators of hydric soil and wetland hydrology must b present, unless disturbed or problematic.	
7.				Definitions of Vegetation Strata:	
8.				Tree – Woody plants 3 in. (7.6 cm) or more in diamete	
9.				at breast height (DBH), regardless of height.	
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.	
12				Herb – All herbaceous (non-woody) plants, regardless	
	95	=Total Cover		of size, and woody plants less than 3.28 ft tall.	
Woody Vine Stratum (Plot size: 30') 1.				Woody vines – All woody vines greater than 3.28 ft in height.	
				noight.	
2				Hydrophytic	
				Vegetation No. Vegetation	
4.		T-1-1-0		Present? Yes No _X	
		=Total Cover			
Remarks: (Include photo numbers here or on a separa	ate sheet.)				

Sampling Point: Upl P3-CC-14

SOIL Sampling Point: Upl P3-CC-14

	iption: (Describe to	the depth				or or co	nfirm the absence of inc	dicators.)	
Depth	Matrix			x Feature					
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remark	ks
							<u> </u>		
¹ Type: C=Co	ncentration, D=Deplet	tion RM=F	Reduced Matrix M	S-Mask	ed Sand	Grains	² I ocation: PI =	Pore Lining, M=Mati	riv
Hydric Soil I		IIOII, IXIVI—I	teduced Matrix,	<u>J-IVIGOING</u>	su cana .	Granis.		Problematic Hydric	
Histosol (Dark Surface (S	S7)				(A10) (LRR K, L, M	
	ipedon (A2)	_	Polyvalue Belov	,	ne (S8) (L	RR R,		rie Redox (A16) (LR	
Black His		_	MLRA 149B)		.0 (22, 1	,		y Peat or Peat (S3)	
	n Sulfide (A4)		Thin Dark Surfa	•	(LRR R,	MLRA 1		Below Surface (S8) (
	Layers (A5)	_	High Chroma S					Surface (S9) (LRR K	
	Below Dark Surface ((A11)	Loamy Mucky N					anese Masses (F12)	
	rk Surface (A12)	· ′ -	Loamy Gleyed		. , ,	• •		Floodplain Soils (F19	
	odic (A17)	_	Depleted Matrix		•			t Material (F21) (out	
	A 144A, 145, 149B)	_	Redox Dark Su		6)			ow Dark Surface (F2	
	ucky Mineral (S1)		Depleted Dark	Surface	(F7)			lain in Remarks)	•
	eyed Matrix (S4)	_	Redox Depress		. ,			•	
Sandy Re		_	Marl (F10) (LRI	R K, L)	•		³ Indicators	of hydrophytic vege	tation and
	Matrix (S6)	_	Red Parent Ma		21) (MLR	A 145)		hydrology must be p	
							unless di	isturbed or problema	atic.
Restrictive L	ayer (if observed):								
Type:	Concrete/roa	ıdside fill							
Depth (in	ches):	0	_				Hydric Soil Present?	Yes	No X
Remarks:									
	collected due to the	very narro	w road shoulder be	ing conc	crete and	roadside	e fill making it impenetrable	e to collect soils.	
		•		ŭ			- .		



Upland P3-CC - View facing north/northwest

No Soils collected

Segment 4 and 5 – Package 3

SITE PHOTOGRAPHS

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: CHPE Package 3	City/County: Greenfield / Saratoga Sampling Date: 11/07/22
Applicant/Owner: TDI	State: NY Sampling Point: Wet P3-DD
Investigator(s): C. Scrivner	Section, Township, Range:
	Local relief (concave, convex, none): Concave Slope %: 3
	
Subregion (LRR or MLRA): LRR R Lat: 43.0947	
Soil Map Unit Name: RhB: Rhinebeck silt loam, 3 to 8 percent sle	opes NWI classification: PSS1
Are climatic / hydrologic conditions on the site typical for this time $\boldsymbol{\alpha}$	of year? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignifica	intly disturbed? Are "Normal Circumstances" present? Yes X No
Are Vegetation, Soil, or Hydrologynaturally	problematic? (If needed, explain any answers in Remarks.)
	ring sampling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID: Near flag P3-DD-4
Remarks: (Explain alternative procedures here or in a separate r Palustrine scrub shrub wetland.	eport.)
Talastinis solub siliab welland.	
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that app	
Surface Water (A1) Water-Stained	<u> </u>
X High Water Table (A2) Aquatic Fauna	
X Saturation (A3) Marl Deposits	
Water Marks (B1) Hydrogen Sulf	ide Odor (C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhize	ospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of R	educed Iron (C4) Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Re	eduction in Tilled Soils (C6) X Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck Sur	face (C7) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain	in Remarks)Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth	n (inches):
Water Table Present? Yes X No Depth	n (inches):4
Saturation Present? Yes X No Depth	n (inches): 0 Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial p	hotos, previous inspections), if available:
Remarks:	

	Absolute	Dominant	Indicator	
ree Stratum (Plot size:)	% Cover	Species?	Status	Dominance Test worksheet:
				Number of Dominant Species
				That Are OBL, FACW, or FAC: (A)
				Total Number of Dominant
				Species Across All Strata: 5 (B)
				Percent of Dominant Species
i				That Are OBL, FACW, or FAC: 100.0% (A/B
				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size:)				OBL species 45 x 1 = 45
. Alnus incana	35	Yes	FACW	FACW species 83 x 2 = 166
. Cornus sericea	15	Yes	FACW	FAC species15 x 3 =45
. Cornus amomum	10	No	FACW	FACU species 5 x 4 = 20
. Rhamnus cathartica	10	No	FAC	UPL species0 x 5 =0
. Ulmus americana	5	No	FACW	Column Totals: 148 (A) 276 (B
Lonicera morrowii	5	No	FACU	Prevalence Index = B/A = 1.86
·				Hydrophytic Vegetation Indicators:
	80	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		•		X 2 - Dominance Test is >50%
. Carex stricta	20	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
. Typha angustifolia	15	Yes	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Lythrum salicaria	10	No	OBL	data in Remarks or on a separate sheet)
L. Lysimachia nummularia	10	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Bidens frondosa	8	No	FACW	<u> </u>
<u> </u>				¹ Indicators of hydric soil and wetland hydrology must I present, unless disturbed or problematic.
·				Definitions of Vegetation Strata:
				Tree – Woody plants 3 in. (7.6 cm) or more in diamete
). <u> </u>				at breast height (DBH), regardless of height.
0.		· <u></u>		Sapling/shrub – Woody plants less than 3 in. DBH
1.				and greater than or equal to 3.28 ft (1 m) tall.
2.				Hart All hart are a first and half are
	63	=Total Cover		Herb – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.
Voody Vine Stratum (Plot size: 30')		•		
. Vitis riparia	5	Yes	FAC	Woody vines – All woody vines greater than 3.28 ft in height.
				, in the second
·				Hydrophytic
				Vegetation Present? Yes X No
·		=Total Cover		17636IR: 163 <u>X</u> RO
	5	= rotar Cover		

SOIL Sampling Point: Wet P3-DD

Profile Desc	ription: (Describe to Matrix	the de		ment the		tor or co	onfirm the absence of	indicators.)		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks		
0-2	10YR 2/2	95	10YR 4/3	5	С	М	Loamy/Clayey	Faint redox concentrations		
2-12	10YR 3/1	90	10YR 4/6	10	С	М	Loamy/Clayey	Prominent redox concentrations		
12-18	10YR 4/1	70	10YR 5/3	10	С	M	Mucky Loam/Clay	Distinct redox concentrations		
			10YR 5/6	20	С	M	, , , , , , , , , , , , , , , , , , , 	Prominent redox concentrations		
			1011070					1 Tommont Today concentrations		
¹ Type: C=Co	ncentration, D=Deple	tion, RM	=Reduced Matrix, M	S=Mask	ed Sand	Grains.	² Location: P	L=Pore Lining, M=Matrix.		
Hydric Soil I		,	·					or Problematic Hydric Soils ³ :		
Histosol	(A1)		Dark Surface (S7)			2 cm Mu	ıck (A10) (LRR K, L, MLRA 149B)		
Histic Ep	ipedon (A2)		Polyvalue Belo	w Surfac	ce (S8) (L	RR R,	Coast Prairie Redox (A16) (LRR K, L, R)			
Black His	, ,		MLRA 149B)				5 cm Mucky Peat or Peat (S3) (LRR K, L, R)			
	n Sulfide (A4)		Thin Dark Surface (S9) (LRR R, MLRA 1					e Below Surface (S8) (LRR K, L)		
	Layers (A5)		High Chroma Sands (S11) (LRR K, L)					rk Surface (S9) (LRR K, L)		
	Below Dark Surface	(A11)	Loamy Mucky Mineral (F1) (LRR K, L)				Iron-Manganese Masses (F12) (LRR K, L, R)			
	rk Surface (A12)		Loamy Gleyed	,	-2)		Piedmont Floodplain Soils (F19) (MLRA 149B)			
	oodic (A17) A 144A, 145, 149B)		Depleted Matrix		·C)		Red Parent Material (F21) (outside MLRA 145)			
•	ucky Mineral (S1)		X Redox Dark Su Depleted Dark				Very Shallow Dark Surface (F22) Other (Explain in Remarks)			
	leyed Matrix (S4)		X Redox Depress				Other (E	xpiain in Kemarks)		
	edox (S5)		Marl (F10) (LR	•	<i>5)</i>		³ Indicators of hydrophytic vegetation and			
	Matrix (S6)		Red Parent Material (F21) (MLRA 145)				wetland hydrology must be present,			
	,			`	, ,	,	unless disturbed or problematic.			
Restrictive L	ayer (if observed):									
Type:										
Depth (in	nches):						Hydric Soil Preser	nt? Yes X No		
Remarks:										



Wetland P3-DD - View facing south



Wetland P3-DD - Soils

SITE PHOTOGRAPHS

Segment 4 and 5 – Package 3

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: CHPE Package 3	City/County: Greenfield / Saratoga Sampling Date: 11/07/22				
Applicant/Owner: TDI	State: NY Sampling Point: Upl P3-DD-14				
Investigator(s): C. Scrivner	Section, Township, Range:				
	relief (concave, convex, none): Convex Slope %: 5				
Subregion (LRR or MLRA): LRR R Lat: 43.09474° N	Long: -73.80036° W Datum: WGS 84				
Soil Map Unit Name: RhB: Rhinebeck silt loam, 3 to 8 percent slopes	NWI classification: NA				
					
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)				
Are Vegetation, Soil, or Hydrologysignificantly distur	bed? Are "Normal Circumstances" present? Yes X No				
Are Vegetation, Soil, or Hydrologynaturally problems	atic? (If needed, explain any answers in Remarks.)				
SUMMARY OF FINDINGS – Attach site map showing sar	npling point locations, transects, important features, etc.				
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area				
Hydric Soil Present? Yes No X	within a Wetland? Yes No X				
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:				
Remarks: (Explain alternative procedures here or in a separate report.) Adjacent road shoulder hillslope.					
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					
Sediment Deposits (B2) Oxidized Rhizospheres	on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)				
Drift Deposits (B3) Presence of Reduced Ir	ron (C4) Stunted or Stressed Plants (D1)				
Algal Mat or Crust (B4) Recent Iron Reduction is					
Iron Deposits (B5) Thin Muck Surface (C7)	<u> </u>				
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remai	· · · · · · · · · · · · · · · · ·				
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)				
Field Observations:					
Surface Water Present? Yes No _X Depth (inches):					
Water Table Present? Yes No X Depth (inches):					
Saturation Present? Yes No X Depth (inches):	Wetland Hydrology Present? Yes No X				
(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	ovious inspections) if available:				
Describe Recorded Data (Stream gauge, monitoring well, aerial photos, pre	evious inspections), ii available.				
Remarks:					

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1				Number of Dominant Species That Are OBL, FACW, or FAC:(A)
3. 4.				Total Number of Dominant Species Across All Strata:(B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15')				OBL species 0 x 1 = 0
1.				FACW species 0 x 2 = 0
2.				FAC species 40 x 3 = 120
3.				FACU species 15 x 4 = 60
4.				UPL species 35 x 5 = 175
5.				Column Totals: 90 (A) 355 (B)
6.				Prevalence Index = B/A = 3.94
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
Pastinaca sativa	35	Yes	UPL	3 - Prevalence Index is ≤3.0 ¹
Setaria pumila	30	Yes	FAC	4 - Morphological Adaptations (Provide supporting
3. Poa pratensis	10	No	FACU	data in Remarks or on a separate sheet)
4. Rumex crispus	10	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Dipsacus fullonum	5	No	FACU	
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree Weeds plants 3 in (7.6 cm) or more in diameter
9.				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10 11				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12				Herb – All herbaceous (non-woody) plants, regardless
_	90	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30') 1.				Woody vines – All woody vines greater than 3.28 ft in height.
				neight.
2				Hydrophytic
3				Vegetation
4		T-1-1-0		Present?
		=Total Cover		
Remarks: (Include photo numbers here or on a separa				

Sampling Point: Upl P3-DD-14

SOIL Sampling Point: Upl P3-DD-14

		the depth				or or co	nfirm the absence of	indicators.)	
Depth	Matrix			x Feature		. 2	_		
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remark	KS
0-16	10YR 3/2	100					Sandy		
1 _{Turno:} C-Co	ncentration, D=Deplet	ion DM-E	Poducod Motrix M	- Mook	ad Sand (² l continu	L=Pore Lining, M=Mat	
Hydric Soil I		IOII, KIVI=K	teduced Matrix, M	S=IVIASKE	eu Sanu (Ji ali is.		or Problematic Hydric	
Histosol (Dark Surface (S	S7)				ck (A10) (LRR K, L, N	
	pedon (A2)	_	Polyvalue Belov	,	n) (82) a	RR R		airie Redox (A16) (LR	
Black His		_	MLRA 149B)		.c (00) (L	ixix ix,		cky Peat or Peat (S3)	
	Sulfide (A4)		Thin Dark Surfa		(I RR R	MIRA 1		e Below Surface (S8)	
	Layers (A5)	_	High Chroma S					k Surface (S9) (LRR k	
	Below Dark Surface (<u></u> Δ11)	Loamy Mucky N					iganese Masses (F12)	*
	k Surface (A12)		Loamy Gleyed	,	, ,	IX, L)		t Floodplain Soils (F19	
	odic (A17)	_	Depleted Matrix		_)			ent Material (F21) (out	
	A 144A, 145, 149B)	_	Redox Dark Su	. ,	3)			allow Dark Surface (F2	
	ucky Mineral (S1)	_	Depleted Dark					xplain in Remarks)	_,
	eyed Matrix (S4)	_	Redox Depress				Outlet (E.	Apiain in Nomarko,	
Sandy Re		_	Marl (F10) (LRI	•	')		³ Indicato	rs of hydrophytic vege	tation and
	Matrix (S6)	_	Red Parent Ma		21) (MLR	A 145)		d hydrology must be p	
		_			- · / (· ·	,		disturbed or problema	
Restrictive L	ayer (if observed):						diffeed	distarbed of problems	1110.
Type:	ayo. (ooo ou).								
	ah a a \ .						Undria Cail Brasan	42 Vaa	Na V
Depth (in	cnes):						Hydric Soil Presen	t? Yes	NoX
Remarks:									



Upland P3-DD - View facing north/northwest



Upland P3-DD - Soils

SITE PHOTOGRAPHS

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: CHPE	C	City/County: Greenfi	eld/Saratoga	Sampling Date: 11/3/22					
Applicant/Owner: TDI			State: NY	Sampling Point: P3-AA-4 Wet					
Investigator(s): N. Frazer & C. Einstein		Section, To	wnship, Range:	<u> </u>					
Landform (hillside, terrace, etc.): ditch	Local rel	ief (concave, conve	x, none): concave	Slope %: 0					
Subregion (LRR or MLRA): LRR R	Lat: 43-05-40.73N		73-48-01.01W	Datum: WGS84					
Soil Map Unit Name: Rhinebeck silt loam (Rh			NWI classification:	PEM					
Are climatic / hydrologic conditions on the site	•	Yes x		explain in Remarks.)					
, ,	,			,					
Are Vegetation, Soil, or Hydrole			nal Circumstances" prese						
Are Vegetation, Soil, or Hydrole	<u> </u>		d, explain any answers in	·					
SUMMARY OF FINDINGS – Attach	site map showing samp	ling point locat	tions, transects, im	portant features, etc.					
Hydrophytic Vegetation Present?	Yes X No	Is the Sampled A	rea						
		within a Wetland?		No					
Wetland Hydrology Present?	Yes X No	If yes, optional We	tland Site ID:						
Remarks: (Explain alternative procedures here or in a separate report.) Shallow emergent marsh. Some of this wetland is roadside ditch.									
HYDROLOGY									
Wetland Hydrology Indicators:			Secondary Indicators (m	ninimum of two required)					
Primary Indicators (minimum of one is require	ed; check all that apply)		Surface Soil Cracks						
Surface Water (A1)	Water-Stained Leaves (B9	9)	Drainage Patterns (
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B	•					
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)							
Water Marks (B1)	Hydrogen Sulfide Odor (C1								
Sediment Deposits (B2)	Oxidized Rhizospheres on								
Drift Deposits (B3)	Presence of Reduced Iron	<u> </u>							
Algal Mat or Crust (B4)	Recent Iron Reduction in T								
Iron Deposits (B5)	Thin Muck Surface (C7)								
Inundation Visible on Aerial Imagery (B7) Sparsely Vegetated Concave Surface (B8)	· — · · · · · · · · · · · · · · · · · ·	·)	X FAC-Neutral Test (` '					
<u> </u>	3)			J5)					
Field Observations: Surface Water Present? Yes	No x Depth (inches):								
Water Table Present? Yes	No x Depth (inches):								
Saturation Present? Yes	No x Depth (inches):		d Hydrology Present?	Yes X No					
(includes capillary fringe)	No _ x	—	a ilyanology	7					
Describe Recorded Data (stream gauge, mon	nitoring well, aerial photos, previ	ious inspections), if	available:						
		•							
Remarks:									
Culvert under the road.									

Total Objections (Plateins 201	Absolute	Dominant	Indicator	Burden Tarkundakan
<u>Tree Stratum</u> (Plot size:)	% Cover	Species?	Status	Dominance Test worksheet:
1				Number of Dominant Species That Are OBL, FACW, or FAC:4(A)
3.				Total Number of Dominant
4				Species Across All Strata: 4 (B)
5				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15')				OBL species85 x 1 =85
1. Cornus amomum	15	Yes	FACW	FACW species 15 x 2 = 30
2. Populus deltoides	10	Yes	FAC	FAC species 32 x 3 = 96
3.				FACU species 0 x 4 = 0
4.				UPL species 0 x 5 = 0
5.				Column Totals: 132 (A) 211 (B)
6.				Prevalence Index = B/A = 1.60
7.				Hydrophytic Vegetation Indicators:
	25	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
1. Lythrum salicaria	30	Yes	OBL	X 3 - Prevalence Index is ≤3.0 ¹
Juncus tenuis	15	No	FAC	4 - Morphological Adaptations ¹ (Provide supporting
3. Typha angustifolia	 55	Yes	OBL	data in Remarks or on a separate sheet)
4. Populus deltoides		No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Equisetum hyemale	5	No	FAC	
6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12	107	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Sampling Point: P3-AA-4 Wet

SOIL Sampling Point P3-AA-4 Wet

Profile Descr	ription: (Describe t	o the de	pth needed to docu	ıment tl	ne indica	ator or co	onfirm the absence of	f indicators.)		
Depth	Matrix			κ Featur						
(inches)	Color (moist)		Color (moist)		Type ¹	Loc ²	Texture	Remarks		
0-4	10YR 3/2	100					Loamy/Clayey			
4-17	10YR 4/1	70	10YR 4/4	15	<u>C</u>	M	Loamy/Clayey	Distinct redox concentrations		
			10YR 5/4	10	<u>C</u>	M		Distinct redox concentrations		
			10YR 4/6	5	<u>C</u>	M		Prominent redox concentrations		
¹ Type: C=Co	ncentration, D=Depl	etion, RN	/=Reduced Matrix, M	 IS=Masl	ked Sand	Grains.	² Location: P	L=Pore Lining, M=Matrix.		
Hydric Soil I								or Problematic Hydric Soils ³ :		
Histosol ((A1)		Dark Surface (S	S7)			2 cm Mu	ick (A10) (LRR K, L, MLRA 149B)		
Histic Ep	ipedon (A2)		Polyvalue Belo	w Surfa	ce (S8) (LRR R,	Coast Pr	rairie Redox (A16) (LRR K, L, R)		
Black His	stic (A3)		MLRA 149B))			5 cm Mu	icky Peat or Peat (S3) (LRR K, L, R)		
—— Hydroger	n Sulfide (A4)		Thin Dark Surfa	ace (S9)	(LRR R	, MLRA 1	149B) Polyvalu	e Below Surface (S8) (LRR K, L)		
Stratified	Layers (A5)		High Chroma S	ands (S	311) (LR I	R K, L)	Thin Dar	k Surface (S9) (LRR K, L)		
X Depleted	Below Dark Surface	(A11)	Loamy Mucky Mineral (F1) (LRR K, L)				Iron-Man	nganese Masses (F12) (LRR K, L, R)		
	rk Surface (A12)	, ,	Loamy Gleyed			. ,	Piedmont Floodplain Soils (F19) (MLRA 149B)			
	odic (A17)		X Depleted Matrix		,			ent Material (F21) (outside MLRA 145)		
	A 144A, 145, 149B)		Redox Dark Su		6)		Very Shallow Dark Surface (F22)			
-	ucky Mineral (S1)		Depleted Dark					xplain in Remarks)		
	leyed Matrix (S4)		Redox Depress					,		
Sandy Re	• , ,		' Marl (F10) (LR l	•	- /		³ Indicato	ors of hydrophytic vegetation and		
	Matrix (S6)		Red Parent Ma		21) (MLF	RA 145)	wetland hydrology must be present,			
							unless disturbed or problematic.			
_	.ayer (if observed): non	^								
· · · -										
	ches):						Hydric Soil Preser	nt? Yes X No		
Remarks:										



Wetland P3-AA-4- View facing southeast



Wetland P3-AA-4- Soils

SITE PHOTOGRAPHS

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: CHPE		City/County: Greenfi	eld/Saratoga	Sampling Date: 11/3/22			
Applicant/Owner: TDI			State: NY	Sampling Point: P3-AA-4 Upl			
Investigator(s): N. Frazer & C. Einstein		Section, To	wnship, Range:	<u> </u>			
Landform (hillside, terrace, etc.): hillslope	Local re	elief (concave, conve	ex. none): none	Slope %: 2			
Subregion (LRR or MLRA): LRR R	Lat: 43-05-40.65N	•	73-48-0132W	 Datum: WGS84			
Soil Map Unit Name: Rhinebeck silt loam (Rl		5	NWI classification:				
Are climatic / hydrologic conditions on the site		Yes x		explain in Remarks.)			
, 0	,,		- <u></u> ` '	,			
Are Vegetation, Soil, or Hydro			nal Circumstances" pres				
Are Vegetation, Soil, or Hydro	<u> </u>		d, explain any answers ir	,			
SUMMARY OF FINDINGS – Attach	site map showing samp	pling point locat	tions, transects, in	nportant features, etc.			
Hydrophytic Vegetation Present?	Yes No _X_	Is the Sampled A	rea	1			
Hydric Soil Present?	Yes No X	within a Wetland	? Yes	NoX			
Wetland Hydrology Present?	Yes No X	If yes, optional We	tland Site ID:				
Remarks: (Explain alternative procedures he	ere or in a separate report.)						
Upland mowed roadside.							
HYDROLOGY							
				· · · · · · · · · · · · · · · · · · ·			
Wetland Hydrology Indicators:				minimum of two required)			
Primary Indicators (minimum of one is require			Surface Soil Crack				
Surface Water (A1) High Water Table (A2)	Water-Stained Leaves (B9 Aquatic Fauna (B13)	9)	Drainage Patterns (B10) Moss Trim Lines (B16)				
Saturation (A3)	Marl Deposits (B15)		Dry-Season Water	·			
Water Marks (B1)	Hydrogen Sulfide Odor (C						
Sediment Deposits (B2)	Oxidized Rhizospheres or						
Drift Deposits (B3)	Presence of Reduced Iron						
Algal Mat or Crust (B4)		on 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 Remark	.s)	Microtopographic F	Relief (D4)			
Sparsely Vegetated Concave Surface (B	.8)		FAC-Neutral Test ((D5)			
Field Observations:							
Surface Water Present? Yes	No x Depth (inches): _						
Water Table Present? Yes	No x Depth (inches): _						
Saturation Present? Yes	No x Depth (inches): _	Wetlan	d Hydrology Present?	Yes No _ X			
(includes capillary fringe)	"	· ···· in an antione) if	- 11 - 1 - 1				
Describe Recorded Data (stream gauge, moi	nitoring well, aerial priolos, prev	/ious inspections), ii	avaliable:				
Remarks:							

<u>Tree Stratum</u> (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1				Number of Dominant Species
2.				That Are OBL, FACW, or FAC:1 (A)
3. 4.				Total Number of Dominant Species Across All Strata: 2 (B)
5.6.				Percent of Dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)
7.				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species0 x 1 =0
1				FACW species 0 x 2 = 0
2.				FAC species40 x 3 =120
3.				FACU species 55 x 4 = 220
4.				UPL species2 x 5 =10
5.				Column Totals: 97 (A) 350 (B)
6.				Prevalence Index = B/A = 3.61
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		•		2 - Dominance Test is >50%
1. Lotus corniculatus	55	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
2. Setaria pumila	40	Yes	FAC	4 - Morphological Adaptations ¹ (Provide supporting
3. Daucus carota	2	No	UPL	data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation ¹ (Explain)
5.6.				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8				Tree – Woody plants 3 in. (7.6 cm) or more in
9.		·		diameter at breast height (DBH), regardless of height.
11.		·		Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				Harb All barbassaus (non woody) plants regardless
	97	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2.				Hydrophytic
3.		·		Vegetation
4.		T-1-1 0		Present?
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet.)			

Sampling Point: P3-AA-4 Upl

SOIL Sampling Point P3-AA-4 Upl

Profile Desc	ription: (Describe to	the de	•			tor or co	onfirm the absence of	indicators.)
Depth	Matrix			x Featur				
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
	ncentration, D=Deple	tion, RM	I=Reduced Matrix, N	/IS=Masl	ked Sand	l Grains.		L=Pore Lining, M=Matrix.
Hydric Soil I	ndicators:						Indicators fo	or Problematic Hydric Soils ³ :
Histosol ((A1)		Dark Surface (S7)			2 cm Mu	ck (A10) (LRR K, L, MLRA 149B)
Histic Ep	ipedon (A2)		Polyvalue Belo	w Surfa	ce (S8) (I	LRR R,	Coast Pr	airie Redox (A16) (LRR K, L, R)
Black His	stic (A3)		MLRA 149B	5)			5 cm Mu	cky Peat or Peat (S3) (LRR K, L, R)
Hydroger	n Sulfide (A4)		Thin Dark Surf	ace (S9)	(LRR R	, MLRA 1	49B) Polyvalue	e Below Surface (S8) (LRR K, L)
Stratified	Layers (A5)		High Chroma S	Sands (S	311) (LRF	R K, L)	Thin Dar	k Surface (S9) (LRR K, L)
Depleted	Below Dark Surface	(A11)	Loamy Mucky	Mineral	(F1) (LRI	R K, L)	Iron-Man	ganese Masses (F12) (LRR K, L, R)
Thick Da	rk Surface (A12)		Loamy Gleyed	Matrix (F2)		Piedmon	t Floodplain Soils (F19) (MLRA 149B)
Mesic Sp	odic (A17)		Depleted Matri	x (F3)			Red Pare	ent Material (F21) (outside MLRA 145)
(MLR	A 144A, 145, 149B)		Redox Dark Su	urface (F	⁻ 6)		Very Sha	allow Dark Surface (F22)
Sandy M	ucky Mineral (S1)		Depleted Dark	Surface	(F7)		Other (E	xplain in Remarks)
Sandy G	eyed Matrix (S4)		Redox Depress	sions (F	8)			
Sandy Re	edox (S5)		Marl (F10) (LR	RK,L)			³ Indicato	rs of hydrophytic vegetation and
Stripped	Matrix (S6)		Red Parent Ma	aterial (F	21) (MLF	RA 145)	wetlan	d hydrology must be present,
							unless	disturbed or problematic.
Restrictive L	ayer (if observed):							
Type:	grave	I						
Depth (in	ches):	0					Hydric Soil Presen	it? Yes No X
							,	
Remarks: Roadside gra	vol. no poile							
Noauside gra	vei- no sons.							



Upland P3-AA-4- View facing southwest



Upland P3-AA-4- Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Saratoga/Saratoga Sampling Date: 12/3/21
Applicant/Owner: TDI	State: NY Sampling Point: C2-R-D-4 Wet
Investigator(s): J. Greaves & C. Einstein	Section, Township, Range:
Landform (hillside, terrace, etc.): Hillslope Local	relief (concave, convex, none): Concave Slope %: 5
Subregion (LRR or MLRA): LRR R Lat: 43-05-36N	Long: 73-48-06W Datum: WGS84
Soil Map Unit Name: RhB - Rhinebeck silt loam, 3 to 8 percent slopes	NWI classification: PEM1
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly disturl	
Are Vegetation , Soil , or Hydrology naturally problema	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydrophytic Vegetation Present? Hydric Soil Present? Yes X No Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.) Common reed marsh.	
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)
X Surface Water (A1) Water-Stained Leaves (E	· · · · · · · · · · · · · · · · · · ·
X High Water Table (A2) Aquatic Fauna (B13) Mad Barasita (D45)	Moss Trim Lines (B16)
X Saturation (A3) — Marl Deposits (B15) Water Marks (B1) — Hydrogen Sulfide Oder (C1) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Water Marks (B1) Hydrogen Sulfide Odor (Sediment Deposits (B2) Oxidized Rhizospheres of	· · · · · · · · · · · · · · · · · · ·
Drift Deposits (B3) Sediment Deposits (B2) Oxidized Knizospheres C Presence of Reduced Iro	— · · · —
Algal Mat or Crust (B4) Algal Mat or Crust (B4) Recent Iron Reduction in	
Iron Deposits (B5) Iron Deposits (B5) Thin Muck Surface (C7)	· / — · · /
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes X No Depth (inches):	: 2
Water Table Present? Yes X No Depth (inches):	
Saturation Present? Yes X No Depth (inches):	
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	

Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
<u>Tree Stratum</u> (Plot size:) 1.	-% Cover	Species?	Status	Dominance Test worksheet.
2.				Number of Dominant Species That Are OBL, FACW, or FAC:(A)
3				Total Number of Dominant Species Across All Strata: 1 (B)
5.				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC: 100.0% (A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species 2 x 1 = 2
1. Salix alba	2	No	FACW	FACW species 100 x 2 = 200
2. Cornus alba	2	No	FACW	FAC species0 x 3 =0
3.				FACU species 2 x 4 = 8
4				UPL species0 x 5 =0
5.				Column Totals: 104 (A) 210 (B)
6.				Prevalence Index = B/A = 2.02
7.				Hydrophytic Vegetation Indicators:
	4	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%
1. Phragmites australis	94	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
2. Solidago canadensis	2	No	FACU	4 - Morphological Adaptations ¹ (Provide supporting
3. Lythrum salicaria	2	No	OBL	data in Remarks or on a separate sheet)
4. Symphyotrichum novae-angliae	1	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Cornus alba	1	No	FACW	¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10				Sapling/shrub – Woody plants less than 3 in. DBH
11				and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2.				
3.				Hydrophytic Vegetation
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			
Portions along roadside are mowed.				

Sampling Point: C2-R-D-4 Wet

Profile Desc Depth	ription: (Describe t Matrix	o the de	•	ument t l x Featur		tor or co	onfirm the absence o	f indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-8	10YR 2/1	100					Loamy/Clayey	
8-16	10YR 4/1	70	10YR 5/6	30	С	m	Loamy/Clayey	Prominent redox concentrations
		<u> </u>			<u> </u>			
		<u> </u>						
		<u> </u>			<u> </u>			
1T C-C-	ncentration, D=Depl		4-Daduard Matrix N				21+: 5	PL=Pore Lining, M=Matrix.
Hydric Soil I Histosol Histic Ep Black His Hydroger Stratified X Depleted Thick Da Sandy M Sandy G Sandy R Stripped Dark Sur	ndicators: (A1) ipedon (A2) stic (A3) n Sulfide (A4) Layers (A5) Below Dark Surface rk Surface (A12) ucky Mineral (S1) eyed Matrix (S4) edox (S5) Matrix (S6) face (S7)	e (A11)	Polyvalue Belo MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky Loamy Gleyed X Depleted Matri Redox Dark St Depleted Dark Redox Depress Marl (F10) (LR	w Surfa) ace (S9) Sands (S Mineral Matrix (x (F3) urface (F Surface sions (F R K, L)	ce (S8) () (LRR R S11) (LRI (F1) (LRI (F2) 	LRR R, , MLRA 1 R K, L) R K, L)	Indicators f 2 cm Mu Coast P 49B) 5 cm Mu Polyvalu Thin Da Iron-Mai Piedmon Mesic S Red Par Very Sh	or Problematic Hydric Soils ³ : uck (A10) (LRR K, L, MLRA 149B) rairie Redox (A16) (LRR K, L, R) ucky Peat or Peat (S3) (LRR K, L, R) ue Below Surface (S8) (LRR K, L) rk Surface (S9) (LRR K, L) nganese Masses (F12) (LRR K, L, R) nt Floodplain Soils (F19) (MLRA 149B) podic (TA6) (MLRA 144A, 145, 149B) rent Material (F21) allow Dark Surface (F22) explain in Remarks)
Type: _ Depth (in	ches):						Hydric Soil Prese	nt? Yes X No
	n is revised from No 2015 Errata. (http://w		-					CS Field Indicators of Hydric Soils,



Wetland C2-R-D-4 - View facing east.



Wetland C2-R-D-4 - Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Saratoga/Saratoga Sampling Date: 12/3/21
Applicant/Owner: TDI	State: NY Sampling Point: c2-R-D-4 Upl
Investigator(s): J. Greaves & C. Einstein	Section, Township, Range:
	relief (concave, convex, none): None Slope %:
Subregion (LRR or MLRA): LRR R Lat: 43-05-35N	Long: 73-48-07W Datum: WGS84
Soil Map Unit Name: RhB - Rhinebeck silt loam, 3 to 8 percent slopes	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydric Soil Present? Yes No X	within a Wetland? Yes No _X
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.) Mowed roadside	
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 (· · · · · · · · · · · · · · · · · · ·
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 (
Sediment Deposits (B2) Oxidized Rhizospheres Oxidized Rhizospheres	
Drift Deposits (B3) Presence of Reduced In	
Algal Mat or Crust (B4) Recent Iron Reduction in This Mark Surface (G3)	· · · · · · · · · · · · · · · · · · ·
Iron Deposits (B5) — Thin Muck Surface (C7)	<u> </u>
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	<u> </u>
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No _X Depth (inches).	
Water Table Present? Yes No _X Depth (inches)	
Saturation Present? Yes No _X Depth (inches)	: Wetland Hydrology Present? Yes No _X
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	
incinans.	

lants.	Dominant	Indicator	
% Cover	Species?	Status	Dominance Test worksheet:
. <u></u>			Number of Dominant Species
			That Are OBL, FACW, or FAC: 1 (A)
	· -		Total Number of Dominant Species Across All Strata: 2 (B)
			Opecies Acioss Ali Ottata.
			Percent of Dominant Species
			That Are OBL, FACW, or FAC: 50.0% (A/B
			Prevalence Index worksheet:
	=Total Cover		Total % Cover of: Multiply by:
)			OBL species 5 x 1 = 5
			FACW species 0 x 2 = 0
			FAC species 45 x 3 = 135
			FACU species 50 x 4 = 200
			UPL species 0 x 5 = 0
			Column Totals: 100 (A) 340 (B
			Prevalence Index = B/A = 3.40
			Hydrophytic Vegetation Indicators:
	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
			2 - Dominance Test is >50%
50	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
45	Yes	FAC	4 - Morphological Adaptations ¹ (Provide supportin
5	No.	OBI	data in Remarks or on a separate sheet)
			Problematic Hydrophytic Vegetation ¹ (Explain)
			Troblematic Hydrophytic vegetation (Explain)
			¹ 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 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.
100	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
	- Total Cover		or size, and woody plants less than 5.20 ft tail.
			Woody vines – All woody vines greater than 3.28 ft in
•			
			height.
			Hydrophytic
	50	## Cover Species?	% Cover Species? Status =Total Cover =Total Cover 50 Yes FACU 45 Yes FAC 5 No OBL

SOIL Sampling Point C2-R-D-4 Upl

		o the de				tor or co	onfirm the absence of in	dicators.)
Depth	Matrix			x Featur		. 2	- .	
(inches)	Color (moist)	<u>%</u>	Color (moist)		Type ¹	Loc ²	Texture	Remarks
0-4	10YR 2/1	100					Loamy/Clayey	
								_
	oncentration, D=Depl	etion, RN	1=Reduced Matrix, N	/IS=Mas	ked Sand	l Grains.		Pore Lining, M=Matrix.
Hydric Soil								Problematic Hydric Soils ³ :
Histosol	• •		Polyvalue Belo		ce (S8) (I	LRR R,		(A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B	•				ie Redox (A16) (LRR K, L, R)
Black Hi			Thin Dark Surf		-		· —	y Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky			R K, L)		Surface (S9) (LRR K, L)
	Below Dark Surface	e (A11)	Loamy Gleyed		F2)			nese Masses (F12) (LRR K, L, R)
	ark Surface (A12)		Depleted Matri					Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su					dic (TA6) (MLRA 144A, 145, 149B)
	leyed Matrix (S4)		Depleted Dark					Material (F21)
	edox (S5)		Redox Depress	•	5)			w Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	K K, L)			Other (Expi	ain in Remarks)
Dark Su	face (S7)							
³ Indicators o	f hydrophytic vegetati	on and w	etland hydrology mu	ust be pr	esent. ur	nless dist	urbed or problematic.	
	_ayer (if observed):							
Type:	Rock/gi	ravel						
Depth (ir	nches):	4					Hydric Soil Present?	Yes No X
Remarks:							•	
	m is revised from No	rthcentra	l and Northeast Reg	ional Su	pplement	Version	2.0 to include the NRCS	Field Indicators of Hydric Soils,
	2015 Errata. (http://w							,



Upland C2-R-D-4 - View facing west.



Upland C2-R-D-4 - Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Saratoga/Saratoga Sampling Date: 12/3/21
Applicant/Owner: TDI	State: NY Sampling Point: c2-R-E-5 Wet
Investigator(s): J. Greaves & C. Einstein	Section, Township, Range:
• .,	relief (concave, convex, none): Concave Slope %: 8
Subregion (LRR or MLRA): LRR R Lat: 43-05-34N	Long: 73-48-09W Datum: WGS84
Soil Map Unit Name: RhB - Rhinebeck silt loam, 3 to 8 percent slopes	NWI classification: PFO1
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation , Soil , or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Wetland Hydrology Present? Yes X No Yes X No	within a Wetland? Yes X No If yes, optional Wetland Site ID:
<u> </u>	il yes, optional wetiand Site ib.
Remarks: (Explain alternative procedures here or in a separate report.) Red maple hardwood swamp.	
,	
LIVEROLOGY	
HYDROLOGY Western d Device In the disease.	O and the standard for
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply) Surface Water (A1) Water-Stained Leaves (i	Surface Soil Cracks (B6) (B9) Drainage Patterns (B10)
High Water Table (A2) Water-Stained Leaves (in the control of the	Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (
Sediment Deposits (B2) Oxidized Rhizospheres	· · · · · · · · · · · · · · · · · · ·
Drift Deposits (B3) Presence of Reduced Ire	— · · · —
Algal Mat or Crust (B4) Recent Iron Reduction in	
Iron Deposits (B5) Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No _X Depth (inches):	:
Water Table Present? Yes No X Depth (inches):	
Saturation Present? Yes X No Depth (inches):	: 0 Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	
Tomano.	

	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
1. Ulmus americana	40	Yes	FACW	Number of Dominant Species
2. Populus deltoides	10	No	<u>FAC</u>	That Are OBL, FACW, or FAC: 8 (A)
3. Pinus strobus	10	No	<u>FACU</u>	Total Number of Dominant
4				Species Across All Strata: 8 (B)
5				Percent of Dominant Species
5.				That Are OBL, FACW, or FAC: 100.0% (A/B)
7.				Prevalence Index worksheet:
	60	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15')				OBL species0 x 1 =0
1. Alnus incana	10	Yes	FACW	FACW species 115 x 2 = 230
2. Cornus alba	10	Yes	FACW	FAC species55 x 3 =165
3. Rhamnus cathartica	10	Yes	FAC	FACU species 23 x 4 = 92
4. Ulmus americana	10	Yes	FACW	UPL species0 x 5 =0
5. Pinus strobus	8	No	FACU	Column Totals: 193 (A) 487 (B)
6. Carpinus caroliniana	5	No	<u>FAC</u>	Prevalence Index = B/A = 2.52
7. Lonicera morrowii	5	No	FACU	Hydrophytic Vegetation Indicators:
	58	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:5')				X 2 - Dominance Test is >50%
1. Lysimachia nummularia	20	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
2. Solidago rugosa	20	Yes	FAC	4 - Morphological Adaptations ¹ (Provide supporting
3. Phragmites australis	15	Yes	FACW	data in Remarks or on a separate sheet)
4. Equisetum arvense	10	No	FAC	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Cornus alba	10	No	FACW	¹ Indicators of hydric soil and wetland hydrology must
3				be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10.				Sapling/shrub – Woody plants less than 3 in. DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
	75	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size:30')		•		Woody vines – All woody vines greater than 3.28 ft in
1				height.
2.				
3.				Hydrophytic
4.	-			Vegetation Present? Yes X No
· -		=Total Cover		
		. 10.01 00.0.		

Depth	Matrix		Redo	x Featur				
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks
0-6	10YR 4/1	100					Loamy/Clayey	
6-16	10YR 5/2	80	10YR 5/6		c	<u>m</u>	Loamy/Clayey	Prominent redox concentrations
	oncentration, D=Depl	etion, RN	/I=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.		PL=Pore Lining, M=Matrix.
Hydric Soil Histosol			Polyvalue Belo	w Surfa	ce (S8) (I RR R		or Problematic Hydric Soils ³ : uck (A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B		00 (00) (,		rairie Redox (A16) (LRR K, L, R)
— · Black Hi			Thin Dark Surf	•) (LRR R	, MLRA 1		ucky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S				· —	ie Below Surface (S8) (LRR K, L)
Stratified	l Layers (A5)		Loamy Mucky	Mineral	(F1) (LR	R K, L)	Thin Da	rk Surface (S9) (LRR K, L)
Depleted	d Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (F2)		Iron-Mar	nganese Masses (F12) (LRR K, L, R)
Thick Da	ark Surface (A12)		X Depleted Matri	x (F3)			Piedmor	nt Floodplain Soils (F19) (MLRA 149B
Sandy M	lucky Mineral (S1)		Redox Dark Su	ırface (F	6)		Mesic S	podic (TA6) (MLRA 144A, 145, 149B)
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Par	rent Material (F21)
Sandy R	edox (S5)		Redox Depress	sions (F	8)		Very Sh	allow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) (LR	R K, L)			Other (E	xplain in Remarks)
Dark Su	rface (S7)							
		ion and v	vetland hydrology mu	ıst be pı	resent, ui	nless dist	urbed or problematic.	
Restrictive I Type:	Layer (if observed):							
Depth (ir	nches):						Hydric Soil Prese	nt? Yes X No
Remarks:								
	m is revised from No 2015 Errata. (http://w							CS Field Indicators of Hydric Soils,
ersion 7.0,	2015 Effata. (Http://w	/ww.iiics	.usua.gov/internet/i-	JL_DOC	JUIVILINI	3/11105142	2p2_031293.docx)	



Wetland C2-R-E-5 - View facing east.



Wetland C2-R-E-5 - Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Saratoga/Saratoga Sampling Date: 12/3/21
Applicant/Owner: TDI	State: NY Sampling Point: c2-R-E-5 Upl
Investigator(s): J. Greaves & C. Einstein	Section, Township, Range:
	relief (concave, convex, none): Convex Slope %: 45
Subregion (LRR or MLRA): LRR R Lat: 43-05-33N	Long: 73-48-09W Datum: WGS84
Soil Map Unit Name: RhB - Rhinebeck silt loam, 3 to 8 percent slopes	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes No X	within a Wetland? Yes No _X
Wetland Hydrology Present? Yes No X	If yes, optional Wetland Site ID:
Railroad embankment.	
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 (· · · · · · · · · · · · · · · · · · ·
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 (
Sediment Deposits (B2) Oxidized Rhizospheres Deposits (R2)	
Presence of Reduced In	
Algal Mat or Crust (B4) Recent Iron Reduction in This Music Surface (G7)	
Iron Deposits (B5) — Thin Muck Surface (C7) — Other (Typicin in Remark)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	rks) Microtopographic Relief (D4) FAC-Neutral Test (D5)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inches)	
Water Table Present? Yes No X Depth (inches)	
Saturation Present? Yes No X Depth (inches)	Wetland Hydrology Present? Yes No _X_
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	
Tromano.	
I .	

	Absolute	Dominant	Indicator	
ree Stratum (Plot size:)	% Cover	Species?	Status	Dominance Test worksheet:
·				Number of Dominant Species
				That Are OBL, FACW, or FAC: 2 (A)
				Total Number of Dominant Species Across All Strata: 3 (B)
				Species Acioss Ali Stiata.
		<u> </u>		Percent of Dominant Species
		<u> </u>		That Are OBL, FACW, or FAC:66.7%(A/E
				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size: 15')		•		OBL species 0 x 1 = 0
Rhamnus cathartica	10	Yes	FAC	FACW species 20 x 2 = 40
Talanna canaraca				· — — — — — — — — — — — — — — — — — — —
		<u> </u>		FAC species10 x 3 =30
				FACU species10 x 4 =40
				UPL species0 x 5 =0
				Column Totals: 40 (A) 110 (E
	_			Prevalence Index = B/A = 2.75
				Hydrophytic Vegetation Indicators:
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
orb Stratum (Diot aiza: F')				X 2 - Dominance Test is >50%
erb Stratum (Plot size: 5')				
Phragmites australis	20	Yes	FACW	3 - Prevalence Index is ≤3.0 ¹
Solidago canadensis	10	Yes	<u>FACU</u>	4 - Morphological Adaptations (Provide supportion data in Remarks or on a separate sheet)
·				Problematic Hydrophytic Vegetation ¹ (Explain)
				¹ 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 height (DBH), regardless of height
)				Sapling/shrub – Woody plants less than 3 in. DBH
l				and greater than or equal to 3.28 ft (1 m) tall.
2.				Herb – All herbaceous (non-woody) plants, regardles
	30	=Total Cover		of size, and woody plants less than 3.28 ft tall.
oody Vine Stratum (Plot size: 30')		•		
				Woody vines – All woody vines greater than 3.28 ft i height.
				neight.
·		· ——		Hydrophytic
				Vegetation
·				Present? Yes X No
·				

SOIL Sampling Point C2-R-E-5 Upl

		o the de				tor or co	onfirm the absence of indi	cators.)	
Depth	Matrix	0/		x Featur		. 2	- .	Б	
(inches)	Color (moist)	<u>%</u>	Color (moist)	<u>%</u>	Type ¹	Loc ²	Texture	Remarks	
¹ Type: C=Co	ncentration, D=Deple	etion, RM	I=Reduced Matrix, N	/IS=Masl	ked Sand	Grains.	² Location: PL=Po	re Lining, M=Matrix.	
Hydric Soil I	ndicators:						Indicators for Pro	blematic Hydric Soil	ls³:
Histosol ((A1)		Polyvalue Belo	w Surfa	ce (S8) (I	RR R,	2 cm Muck (A	10) (LRR K, L, MLRA	149B)
	ipedon (A2)		MLRA 149B		, , ,			Redox (A16) (LRR K,	*
Black His			Thin Dark Surf		(LRR R	MLRA 1		eat or Peat (S3) (LRR	-
	n Sulfide (A4)		High Chroma S		-			ow Surface (S8) (LRR	-
	Layers (A5)		Loamy Mucky					face (S9) (LRR K, L)	11, =/
	Below Dark Surface	(111)				、Ⅳ , ∟)			OKID)
		(A11)	Loamy Gleyed		F2)			se Masses (F12) (LRF	
	rk Surface (A12)		Depleted Matri					odplain Soils (F19) (MI	
	ucky Mineral (S1)		Redox Dark Su					(TA6) (MLRA 144A, 1	45, 149B)
	eyed Matrix (S4)		Depleted Dark				Red Parent M		
	edox (S5)		Redox Depress		8)			Dark Surface (F22)	
Stripped	Matrix (S6)		Marl (F10) (LR	RK, L)			Other (Explain	in Remarks)	
Dark Sur	face (S7)								
³ Indicators of	hydrophytic vegetation	on and w	etland hydrology mu	ust be pr	esent, ur	ıless dist	urbed or problematic.		
Restrictive L	ayer (if observed):								
Type:									
-	ches):						Hydric Soil Present?	Yes N	o Y
Deptii (iii							Hydric 30ii Fresent:		o_X
Remarks:									
Soils consist	of railroad ballast.								



Upland C2-R-E-5 - View facing east.

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Saratoga/Saratoga Sampling Date: 12/3/21
Applicant/Owner: TDI	State: NY Sampling Point: c2-R-F-4 Wet
Investigator(s): J. Greaves & C. Einstein	Section, Township, Range:
Landform (hillside, terrace, etc.): Terrace Local	relief (concave, convex, none): Convex Slope %: 2
Subregion (LRR or MLRA): LRR R Lat: 43-05-21N	Long: 73-48-27W Datum: WGS84
Soil Map Unit Name: HuC - Hudson silt loam, 8 to 15 percent slopes	NWI classification: PSS1
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
	
Are Vegetation, Soil, or Hydrologysignificantly distur	
Are Vegetation, Soil, or Hydrologynaturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	pling point locations, transects, important features, etc.
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Area
Hydric Soil Present? Yes X No	within a Wetland? Yes X No
Wetland Hydrology Present? Yes X No	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate report.) Shrub swamp.	
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 (I	
X High Water Table (A2) Aquatic Fauna (B13) April Deposits (B15)	Moss Trim Lines (B16)
X Saturation (A3) — Marl Deposits (B15) Water Marks (B1) Hydrogen Sulfide Odor (C1) Dry-Season Water Table (C2) Crayfish Burrows (C8)
Sediment Deposits (B2) X Oxidized Rhizospheres of	· · · · · · · · · · · · · · · · · · ·
Drift Deposits (B3) Presence of Reduced Inc.	
Algal Mat or Crust (B4) Recent Iron Reduction in	<u> </u>
Iron Deposits (B5) Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes No X Depth (inches):	:
Water Table Present? Yes X No Depth (inches):	
Saturation Present? Yes X No Depth (inches):	Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	

Taga Chrahima (Diahaira)	Absolute	Dominant	Indicator	Daminamas Tast washabaati
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
Ulmus americana Populus deltoides	5 5	Yes Yes	FACW FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 4 (A)
3.				
4.				Total Number of Dominant Species Across All Strata: 4 (B)
5				Percent of Dominant Species
6				That Are OBL, FACW, or FAC:100.0%(A/B)
7.				Prevalence Index worksheet:
	10	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species 20 x 1 = 20
1. Alnus incana	60	Yes	FACW	FACW species 140 x 2 = 280
2. Cornus alba	5	No	FACW	FAC species 5 x 3 = 15
3. Lonicera morrowii	5	No	FACU_	FACU species 5 x 4 = 20
4				UPL species0 x 5 =0
5				Column Totals: 170 (A) 335 (B)
6.				Prevalence Index = B/A =1.97
7				Hydrophytic Vegetation Indicators:
	70	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:5')				X 2 - Dominance Test is >50%
1. Onoclea sensibilis	50	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
2. Scirpus atrovirens	15	No	OBL	4 - Morphological Adaptations ¹ (Provide supporting
3. Bidens frondosa	10	No	FACW	data in Remarks or on a separate sheet)
4. Solidago gigantea	10	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Eutrochium maculatum	5	No	OBL	¹ Indicators of hydric soil and wetland hydrology must
6.				be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				Tree – Woody plants 3 in. (7.6 cm) or more in
9.				diameter at breast height (DBH), regardless of height.
10.				Sapling/shrub – Woody plants less than 3 in. DBH
11.				and greater than or equal to 3.28 ft (1 m) tall.
12.				Herb – All herbaceous (non-woody) plants, regardless
	90	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')				Weeds vines All weeds vines greater than 2.29 ft in
1.				Woody vines – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic
4.				Vegetation Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet)			
Remarks: (Include photo numbers here or on a separ	rate sheet.)			

Sampling Point: C2-R-F-4 Wet

Profile Desc Depth	ription: (Describe t Matrix	to the de		ument t l x Featur		ator or co	onfirm the absence o	f indicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²	Texture	Remarks	
0-9	10YR 3/1	80	5YR 4/6	20	С	PL/M	Loamy/Clayey	Prominent redox concentrations	
9-16	10YR 4/1	80	10YR 4/6	20	c		Loamy/Clayey	Prominent redox concentrations	
¹Type: C=Cc	ncentration D=Denl	—— etion RN		—— //S=Mas	—— ked Sand	———	2l ocation: F	PL=Pore Lining M=Matrix	
Type: C=Concentration, D=Depletion, RN Hydric Soil Indicators: Histosol (A1) Histic Epipedon (A2) Black Histic (A3) Hydrogen Sulfide (A4) Stratified Layers (A5) X Depleted Below Dark Surface (A11) Thick Dark Surface (A12) Sandy Mucky Mineral (S1) Sandy Gleyed Matrix (S4) Sandy Redox (S5) Stripped Matrix (S6) Dark Surface (S7) Indicators of hydrophytic vegetation and vegetatio			Polyvalue Belo MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky Loamy Gleyed X Depleted Matri X Redox Dark Su Depleted Dark PREDOX Depress Marl (F10) (LR	ace (S9) Gands (S) Mineral Matrix (x (F3) urface (F) Surface sions (F) R K, L)	(LRR R 611) (LRI (F1) (LRI F2) 66) (F7)	, MLRA 1 R K, L) R K, L)	Indicators for Problematic Hydric Soils ³ : 2 cm Muck (A10) (LRR K, L, MLRA 149B) Coast Prairie Redox (A16) (LRR K, L, R) 5 cm Mucky Peat or Peat (S3) (LRR K, L, R) Polyvalue Below Surface (S8) (LRR K, L) Thin Dark Surface (S9) (LRR K, L) Iron-Manganese Masses (F12) (LRR K, L, R) Piedmont Floodplain Soils (F19) (MLRA 149B) Mesic Spodic (TA6) (MLRA 144A, 145, 149B) Red Parent Material (F21) Very Shallow Dark Surface (F22) Other (Explain in Remarks)		
Type: _ Depth (in	ches):						Hydric Soil Prese	nt? Yes X No	
	n is revised from No 2015 Errata. (http://w							CS Field Indicators of Hydric Soils,	



Wetland C2-R-F-4 - View facing northwest.



Wetland C2-R-F-4 - Soils

SITE PHOTOGRAPHS

WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Saratoga/Saratoga Sampling Date: 12/3/21
Applicant/Owner: TDI	State: NY Sampling Point: c2-R-F-4 Upl
Investigator(s): J. Greaves & C. Einstein	Section, Township, Range:
	relief (concave, convex, none): Concave Slope %: 45
Subregion (LRR or MLRA): LRR R Lat: 43-05-20N	Long: 73-48-28W Datum: WGS84
Soil Map Unit Name: HuC - Hudson silt loam, 8 to 15 percent slopes	NWI classification:
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology significantly distur	
Are Vegetation, Soil, or Hydrology naturally problems	
SUMMARY OF FINDINGS – Attach site map showing sam	
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydric Soil Present? Yes No X	within a Wetland? Yes No _X_
Wetland Hydrology Present? Yes No _X	If yes, optional Wetland Site ID:
Deciduous forest.	
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 (· · · · · · · · · · · · · · · · · · ·
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 (
Sediment Deposits (B2) Oxidized Rhizospheres Diff Personal (B2)	
Drift Deposits (B3) Presence of Reduced Ir Algal Mat or Crust (B4) Recent Iron Reduction in	
Algal Mat or Crust (B4) Iron Deposits (B5) Recent Iron Reduction in Thin Muck Surface (C7)	· · · · · · · · · · · · · · · · · · ·
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remains and Aerial Imagery (B7)	<u> </u>
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
	I AO-Neuliai Test (D3)
Field Observations: Surface Water Present? Yes No X Depth (inches)	
Water Table Present? Yes No _X Depth (inches) Saturation Present? Yes No X Depth (inches)	
(includes capillary fringe)	Wettand flydrology Fresent: 165 NoX
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	L evious inspections)if available:
gaage, memering nen, aenar proces, pro	,
Remarks:	

1	Tree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
2 Pinus strobus					
3 Acer nubrum					
		10			
Percent of Dominant Species That Arv OBL, FACW, or FAC: 20.0% (A/B)					
Percent of Lornmant Species That Are OBL, FACW, or FAC: 20.0% (A/B)					`, /
Prevalence Index worksheet: Total % Cover of: Multiply by:	6				
Sapling/Shub Stratum (Plot size: 15') 20	-				
Sapiling/Shrub Stratum (Plot size: 15') 20 Yes FACU FACW species			=Total Cover		Total % Cover of: Multiply by:
1. Lonicera morrowii	Sapling/Shrub Stratum (Plot size: 15')				
Sapingstrutum Sapingstrutu		20	Yes	FACU	FACW species 0 x 2 = 0
4.	2. Fraxinus americana	5	No	FACU	FAC species 30 x 3 = 90
Column Totals: 165 (A) 630 (B)	3. Acer rubrum	5	No	FAC	FACU species 135 x 4 = 540
6. Prevalence Index = B/A = 3.82 7. Hydrophytic Vegetation Indicators:	4.				UPL species 0 x 5 = 0
Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation	5.				Column Totals: 165 (A) 630 (B)
Hydrophytic Vegetation Indicators: 1 - Rapid Test for Hydrophytic Vegetation 2 - Dominance Test is >50% 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0¹ 4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet) 5 -	6.				Prevalence Index = B/A = 3.82
Lonicera morrowii 25					Hydrophytic Vegetation Indicators:
1. Lonicera morrowii 25 Yes FACU 2. Parathelypteris noveboracensis 3.		30	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
2. Parathelypteris noveboracensis 3. 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) 4. Problematic Hydrophytic Vegetation ¹ (Explain) 5.	Herb Stratum (Plot size: 5')				2 - Dominance Test is >50%
data in Remarks or on a separate sheet) Problematic Hydrophytic Vegetation¹ (Explain) 1 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 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 Vine Stratum (Plot size:	1. Lonicera morrowii	25	Yes	FACU	3 - Prevalence Index is ≤3.0 ¹
Problematic Hydrophytic Vegetation (Explain) 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 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 Vine Stratum (Plot size: 30') Woody Vine Stratum (Plot size: 30') Hydrophytic Vegetation Hydrophytic Vegetation Present? Yes No X	2. Parathelypteris noveboracensis	15	Yes	FAC	1 — 1 — 1 — 1
5.	3.				data in Remarks or on a separate sheet)
Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.	4.				Problematic Hydrophytic Vegetation ¹ (Explain)
be present, unless disturbed or problematic. 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 Vine Stratum (Plot size:	5				¹ Indicators of hydric soil and wetland hydrology must
8	6.				
9.	7				Definitions of Vegetation Strata:
9	8.				Tree – Woody plants 3 in. (7.6 cm) or more in
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: 30') Woody vines — All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes No X No X	9.				
11	10				Sapling/shrub – Woody plants less than 3 in. DBH
Woody Vine Stratum (Plot size: 30') 1.	11				
Woody Vine Stratum (Plot size: 30') Woody Vine Stratum (Plot size: 30') Woody vines – All woody vines greater than 3.28 ft in height. Hydrophytic Vegetation Present? Yes No X	12				Herb – All herbaceous (non-woody) plants, regardless
1. Woody Vines = All woody Vines greater than 3.28 it in height. 2. Hydrophytic Vegetation Present? Yes No X		40	=Total Cover		
1. height. 2. Hydrophytic 3. Vegetation 4. Total Cover No X	Woody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in
3 Hydrophytic Vegetation Present? Yes No _X	1				1 1
3	2.				Hadran bada
4 =Total Cover Present? Yes No _X	3.				1
	4				
Remarks: (Include photo numbers here or on a separate sheet.)			=Total Cover		
	Remarks: (Include photo numbers here or on a separ	rate sheet.)			

Sampling Point: C2-R-F-4 Upl

SOIL Sampling Point C2-R-F-4 Upl

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth	Matrix		Redox	(Featur	res			
(inches)	Color (moist)	<u>%</u>	Color (moist)	%_	Type ¹	Loc ²	Texture Remarks	
0-3	10YR 2/1	100					Loamy/Clayey	
3-12	10YR 5/3	100					Sandy	
								_
								-
								_
								-
-	·							-
								—
								-
								—
1Typo: C=C	oncentration, D=Dep	Lotion PM	I-Poducod Matrix M		kod Sano		² Location: PL=Pore Lining, M=Matrix.	-
Hydric Soil		ielion, Kiv	i-Reduced Matrix, iv	IS-IVIAS	keu Sanc	i Grairis.	Indicators for Problematic Hydric Soils ³ :	\dashv
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	LRR R.	2 cm Muck (A10) (LRR K, L, MLRA 149B)	
	pipedon (A2)		MLRA 149B		() (-	,	Coast Prairie Redox (A16) (LRR K, L, R)	
	istic (A3)		Thin Dark Surfa	ace (S9) (LRR R	MLRA 1)
Hydroge	en Sulfide (A4)		High Chroma S	ands (S	S11) (LRF	R K, L)	Polyvalue Below Surface (S8) (LRR K, L)	
	d Layers (A5)		Loamy Mucky I	Mineral	(F1) (LRI	R K, L)	Thin Dark Surface (S9) (LRR K, L)	
	d Below Dark Surface	e (A11)	Loamy Gleyed		(F2)		Iron-Manganese Masses (F12) (LRR K, L, R	
	ark Surface (A12)		Depleted Matrix				Piedmont Floodplain Soils (F19) (MLRA 149	
	Mucky Mineral (S1)		Redox Dark Su		-		Mesic Spodic (TA6) (MLRA 144A, 145, 149E	3)
·	Gleyed Matrix (S4) Redox (S5)		— Depleted Dark Redox Depress				Red Parent Material (F21) Very Shallow Dark Surface (F22)	
	Matrix (S6)		Marl (F10) (LR	,	0)		Other (Explain in Remarks)	
	rface (S7)			, =/			Guier (Explain in Folliane)	
	(/							
³ Indicators o	of hydrophytic vegetat	ion and w	etland hydrology mu	st be p	resent, ur	nless dist	turbed or problematic.	
Restrictive	Layer (if observed):							
Type:	Roo	k						
Depth (i	nches):	12					Hydric Soil Present? Yes No _X_	
Remarks:							•	
							n 2.0 to include the NRCS Field Indicators of Hydric Soils,	
version 7.0,	2015 Errata. (http://w	ww.nrcs.	usda.gov/internet/F8	E_DO	JUMENT	5/nrcs14	42p2_051293.docx)	



Upland C2-R-F-4 - View facing southeast.



Upland C2-R-F-4 - Soils

SITE PHOTOGRAPHS

U.S. Army Corps of Engineers

WETLAND DETERMINATION DATA SHEET – Northcentral and Northeast Region

See ERDC/EL TR-12-1; the proponent agency is CECW-CO-R

OMB Control #: 0710-0024, Exp: 11/30/2024 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)

Project/Site: CHPE	(City/County: Sarato	ga Springs/Saratoga	Sampling Date: 3/30/23		
Applicant/Owner: TDI			State: NY	Sampling Point: C2-R-F-10i Wet		
Investigator(s): C. Scrivner & J. Greaves		Section, To	wnship, Range:	<u> </u>		
Landform (hillside, terrace, etc.): Depressio	n Local re	 elief (concave, conve	ex. none): Concave	Slope %: 3		
Subregion (LRR or MLRA): LRR R	Lat: 43.088965	•	-73.808506	Datum: DD		
Soil Map Unit Name: HuC - Hudson silt loam			NWI classification:	PSS1		
·		Vos. v				
Are climatic / hydrologic conditions on the site		Yes x		explain in Remarks.)		
Are Vegetation, Soil, or Hydrol			nal Circumstances" prese			
Are Vegetation, Soil, or Hydrol	' 		d, explain any answers in	•		
SUMMARY OF FINDINGS – Attach	site map showing samp	oling point loca	tions, transects, im	portant features, etc.		
Hydrophytic Vegetation Present?	Yes X No	Is the Sampled A	rea			
Hydric Soil Present?	Yes X No	within a Wetland	? Yes X	No		
Wetland Hydrology Present?	Yes X No	If yes, optional We	etland Site ID: Near flag	10i		
Remarks: (Explain alternative procedures he Shrub swamp.	re or in a separate report.)					
HYDROLOGY						
Wetland Hydrology Indicators:			Secondary Indicators (m	ninimum of two required)		
Primary Indicators (minimum of one is require			Surface Soil Cracks	(B6)		
Surface Water (A1)	X Water-Stained Leaves (B9	9)	Drainage Patterns (•		
X High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B	·		
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water ⁻			
Water Marks (B1)	X Hydrogen Sulfide Odor (C	•	Crayfish Burrows (C	·		
Sediment Deposits (B2)	Oxidized Rhizospheres on			n Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduced Iron					
Algal Mat or Crust (B4) Iron Deposits (B5)	Recent Iron Reduction in Thin Muck Surface (C7)					
Inundation Visible on Aerial Imagery (B7)		e)	Microtopographic Ro			
Sparsely Vegetated Concave Surface (B.	·	5)	X FAC-Neutral Test (` '		
Field Observations:	<u>-, </u>		<u></u>			
Surface Water Present? Yes	No X Depth (inches):					
Water Table Present? Yes x	No Depth (inches):	6				
Saturation Present? Yes X	No Depth (inches):	0 Wetlan	d Hydrology Present?	Yes X No		
(includes capillary fringe)						
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, prev	vious inspections), if	available:			
Remarks:						
Tromano.						

EGETATION – Use scientific names of pla		D t t	la di a tan	Sampling Point: C2-R-F-10i Wet
Free Stratum (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
. Acer rubrum	5	Yes	FAC	Number of Dominant Species
. Fraxinus pennsylvanica	5	Yes	FACW	That Are OBL, FACW, or FAC: 6 (A)
. Ulmus americana	5	Yes	FACW	Total Number of Dominant
·				Species Across All Strata: 7 (B)
i				Percent of Dominant Species
i				That Are OBL, FACW, or FAC: 85.7% (A/B)
				Prevalence Index worksheet:
	15	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species20 x 1 =20
. Alnus incana	40	Yes	FACW	FACW species 140 x 2 = 280
Lonicera morrowii	20	Yes	FACU	FAC species10 x 3 =30
s. Fraxinus pennsylvanica	10	No	FACW	FACU species 20 x 4 = 80
i				UPL species0 x 5 =0
i				Column Totals: 190 (A) 410 (B)
).				Prevalence Index = B/A = 2.16
				Hydrophytic Vegetation Indicators:
	70	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5')		•		X 2 - Dominance Test is >50%
. Onoclea sensibilis	35	Yes	FACW	X 3 - Prevalence Index is ≤3.0 ¹
2. Osmundastrum cinnamomeum	25	Yes	FACW	4 - Morphological Adaptations ¹ (Provide supportin
3. Carex straminea	20	No	OBL	data in Remarks or on a separate sheet)
Impatiens capensis	10	No	FACW	Problematic Hydrophytic Vegetation ¹ (Explain)
5. Cornus racemosa	5	No	FAC	<u> </u>
S. Lysimachia nummularia	5	No	FACW	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
. Phragmites australis	5	No	FACW	Definitions of Vegetation Strata:
).				Tree – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
0.				
1.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
2.				
	105	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Noody Vine Stratum (Plot size: 30')		•		
·				Woody vines – All woody vines greater than 3.28 ft in height.
				noight.
				Hydrophytic
· !.				Vegetation Present? Yes X No
·		=Total Cover		rieseitt: ies 🔨 NO
		- rotal Cover		

SOIL Sampling Point C2-R-F-10i Wet

Depth	Matrix		-	edox Featu			onfirm the absence o	· · · · · · · · · · · · · · · · · · ·
(inches)	Color (moist)	%	Color (moist) %	Type ¹	Loc ²	Texture	Remarks
0-11	10yr 2/1	90	10yr 3/3	10	C	M	Loamy/Clayey	Distinct redox concentrations
11-19	2.5y 5/1	85	2.5y 4/1	5	D_	M	Loamy/Clayey	
			10yr 4/4	10	С	М		Prominent redox concentrations
					. —			
17			M-Dadwaad Make				21 4 1	DI - Dana Limina M-Matrix
Hydric Soil	oncentration, D=Depl	etion, Ri	M=Reduced Matr	ix, MS=Mas	sked San	d Grains.		PL=Pore Lining, M=Matrix. for Problematic Hydric Soils ³ :
Histosol			Dark Surfa	ce (S7)				luck (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)			Below Surfa	ace (S8)	(LRR R,		Prairie Redox (A16) (LRR K, L, R)
Black Hi	stic (A3)		MLRA 1	49B)			5 cm M	lucky Peat or Peat (S3) (LRR K, L, R)
X Hydroge	n Sulfide (A4)		Thin Dark	Surface (S9) (LRR F	R, MLRA	149B) Polyval	ue Below Surface (S8) (LRR K, L)
Stratified	Layers (A5)		High Chro	ma Sands (S11) (LR	RK, L)	Thin Da	ark Surface (S9) (LRR K, L)
X Depleted	l Below Dark Surface	(A11)	Loamy Mu	cky Mineral	(F1) (LR	RK, L)	Iron-Ma	anganese Masses (F12) (LRR K, L, R)
Thick Da	rk Surface (A12)		Loamy Gle	yed Matrix	(F2)		Piedmo	ont Floodplain Soils (F19) (MLRA 149B)
	oodic (A17)		Depleted N					rent Material (F21) (outside MLRA 145)
	A 144A, 145, 149B)		X Redox Dar	-				nallow Dark Surface (F22)
	lucky Mineral (S1)			ark Surface	` '		Other (I	Explain in Remarks)
	leyed Matrix (S4)		X Redox Dep	-			2	
	edox (S5)			(LRR K, L)				tors of hydrophytic vegetation and
Stripped	Matrix (S6)		Red Paren	t Material (F	=21) (ML	RA 145)		and hydrology must be present, as disturbed or problematic.
Restrictive I	_ayer (if observed):						unles	s disturbed of problematic.
Туре:								
Depth (ir	nches):						Hydric Soil Prese	ent? Yes X No
Remarks:								