Tree Stratum (Plot size: 30' )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1.	70 0010.	<u> оросиои:</u>		
2.				Number of Dominant Species 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 species0 x 3 =0
3.				FACU species100 x 4 =400
4				UPL species0 x 5 =0
5.				Column Totals: 100 (A) 400 (B)
6.				Prevalence Index = B/A = 4.00
7.	1			Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' )		•		2 - Dominance Test is >50%
1. Poa pratensis	84	Yes	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>
Taraxacum officinale	8	No	FACU	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
	8	No No	FACU	data in Remarks or on a separate sheet)
		INO	FACU	
4.				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5 6.				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
				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.				Conling/obrub Woody plants loss than 2 in DBH
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
	100	=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				noight.
2				Hydrophytic
3.				Vegetation No. V
4.		- <u> </u>		Present?
		=Total Cover		
Remarks: (Include photo numbers here or on a separate	rate sheet.)			

Sampling Point: P4A-M Upl

SOIL Sampling Point P4A-M Upl

Profile Desc	ription: (Describe t	to the de				ator or co	onfirm the absence of	f indicators.)
Depth	Matrix			x Featur				
(inches)	Color (moist)		Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-5	10YR 2/2	95	7.5YR 3/4	5	C	m	Loamy/Clayey	Distinct redox concentrations
1Type: C=Co	ncentration D-Deni	etion RN	——————————————————————————————————————	  acM=2N	ked Sand		<sup>2</sup> Location: DI	L=Pore Lining, M=Matrix.
Hydric Soil I		elion, ixi	i-Reduced Matrix, IV	IO-IVIASI	Keu San	J Glailis.		or Problematic Hydric Soils <sup>3</sup> :
Histosol			Dark Surface (	S7)				ck (A10) (LRR K, L, MLRA 149B)
	ipedon (A2)		Polyvalue Belo		ce (S8) (	LRR R.		rairie Redox (A16) ( <b>LRR K, L, R</b> )
Black His			MLRA 149B		() (	<b>.</b> ,		icky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		Thin Dark Surfa	,	(LRR R	, MLRA 1		e Below Surface (S8) (LRR K, L)
	Layers (A5)		High Chroma S					k Surface (S9) ( <b>LRR K, L</b> )
	Below Dark Surface	(A11)	Loamy Mucky					nganese Masses (F12) ( <b>LRR K, L, R</b> )
Thick Da	rk Surface (A12)		Loamy Gleyed	Matrix (	F2)		Piedmon	t Floodplain Soils (F19) ( <b>MLRA 149B</b> )
Mesic Sp	odic (A17)		Depleted Matri	x (F3)			Red Pare	ent Material (F21) <b>(outside MLRA 145</b> )
(MLR	A 144A, 145, 149B)		X Redox Dark Su	ırface (F	6)		Very Sha	allow Dark Surface (F22)
Sandy M	ucky Mineral (S1)		Depleted Dark	Surface	(F7)		Other (Ex	xplain in Remarks)
	leyed Matrix (S4)		Redox Depress	,	8)		2	
	edox (S5)		Marl (F10) ( <b>LR</b>					rs of hydrophytic vegetation and
Stripped	Matrix (S6)		Red Parent Ma	iterial (F	21) <b>(ML</b> F	RA 145)		d hydrology must be present,
Dantwinting I							unless	disturbed or problematic.
Type:	.ayer (if observed): Roc							
Depth (in	ches):	5					Hydric Soil Presen	nt? Yes X No
Remarks:								



Upland P4A-M- View facing north



**Upland P4A-M - 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 - Segment 6 - Package 4A	City/County: Ballston/ Saratoga Sampling Date: 04/13/23
Applicant/Owner: TDI	State: NY Sampling Point: Wet P4-D-4
Investigator(s): C.Scrivner & C. Einstein	Section, Township, Range:
Landform (hillside, terrace, etc.): Depression	Local relief (concave, convex, none): Concave Slope %: 3
Subregion (LRR or MLRA): LRR R Lat: 42.9524	<del></del>
Soil Map Unit Name: Sn: Sun silt loam	NWI classification: PFO1
·	<del></del>
Are climatic / hydrologic conditions on the site typical for this time of	
Are Vegetation, Soil, or Hydrology signification	
Are Vegetation, Soil, or Hydrologynaturally	problematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showi	ng 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 P4-D-4
Remarks: (Explain alternative procedures here or in a separate r	
Red maple hardwood swamp.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that app	oly) Surface Soil Cracks (B6)
X Surface Water (A1) X Water-Stained	Leaves (B9) X 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 Sulf	ide Odor (C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizo	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 X No Depth	n (inches): 12
Water Table Present? Yes X No Depth	n (inches):6
Saturation Present? Yes X No Depth	n (inches):0
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial p	notos, previous inspections), if available:
Remarks:	

ree Stratum (Plot size: 30' )	Absolute % Cover	Dominant Species?	Indicator	Dominance Test worksheet:		
			Status	Dominance rest worksneet.		
. Acer rubrum	60	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC:	6	(4)
Fraxinus pennsylvanica	25	Yes	FACW	That Are OBL, FACW, or FAC:		_ (A)
. <u>Ulmus americana</u>	10	No	FACW	Total Number of Dominant Species Across All Strata:	6	(D)
·				Species Across Ali Strata.	- 6	_(B)
·				Percent of Dominant Species That Are OBL, FACW, or FAC:	100.0%	/
·				Prevalence Index worksheet:	100.0%	(A/B
·	95	=Total Cover		Total % Cover of:	Multiply by:	
Sapling/Shrub Stratum (Plot size: 15' )	93	= Total Cover			(1 = 0	—
	20	Yes	FAC		(2 = 120	—
	20	Yes	FAC		3 = 330	—
. Rhamnus cathartica . Lonicera morrowii	10	No Yes	FACU	· -	4 = 60	—
. Ulmus americana	5	No	FACW	· —	64 = 60 65 = 0	—
. Ollius americana		INO	FACW	· —		— /B
·					· ·	(B
				Prevalence Index = B/A =		
		Tatal Cause		Hydrophytic Vegetation Indicat		
lorly Chrotum (Diot size) E'	55	=Total Cover		1 - Rapid Test for Hydrophyt	-	
Herb Stratum (Plot size: 5' )	00	V	E4014/	X 2 - Dominance Test is >50%		
Onoclea sensibilis		Yes	FACW	X 3 - Prevalence Index is ≤3.0		
Toxicodendron radicans	5	No No	FAC	4 - Morphological Adaptation data in Remarks or on a s		
. Fragaria virginiana	5	No	FACU			
				Problematic Hydrophytic Ve	getation (Expla	ain)
i				<sup>1</sup> Indicators of hydric soil and wetl present, unless disturbed or prob		must l
				Definitions of Vegetation Strate	a:	
i				Tree – Woody plants 3 in. (7.6 ci	m) or more in d	liamet
L				at breast height (DBH), regardles		arriot
0				Sapling/shrub – Woody plants I	ess than 3 in T	)BH
1				and greater than or equal to 3.28		,,,,,
2				Herb – All herbaceous (non-woo	ndy) plante reg	ardles
	30	=Total Cover		of size, and woody plants less th		ai Gies
Voody Vine Stratum (Plot size:30')				Woody vines – All woody vines	greater than 3 '	28 ft ir
. Vitis riparia	5	Yes	FAC	height.	greater than 5.2	20 11 11
i.				Hydrophytic Vegetation		
				Present? Yes X	No	
	5	=Total Cover				

SOIL Sampling Point: Wet P4-D-4

Profile Descr	ription: (Describe t	o the de	oth needed to docu	ment th	e indicat	tor or co	nfirm the absence of i	ndicators.)		
Depth	Matrix			x Feature						
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks		
0-10	10YR 4/1	65	10YR 4/6	35	<u>C</u>	PL	Loamy/Clayey	Prominent redox concentrations		
10-16	10YR 5/1	70	10YR 5/8	10	<u>C</u>	M	Loamy/Clayey	Prominent redox concentrations		
			10YR 4/6	20	С	М		Prominent redox concentrations		
¹Type: C=Co	ncentration D-Denk	ation PM	=Reduced Matrix, MS	S-Mack	ad Sand	Grains	<sup>2</sup> Location: PL	=Pore Lining, M=Matrix.		
Hydric Soil I		Stiori, ixivi	-Neduced Matrix, Mix	0-IVIASK	ou Gariu	Grains.		r Problematic Hydric Soils <sup>3</sup> :		
Histosol (			Dark Surface (S	S7)				ck (A10) (LRR K, L, MLRA 149B)		
	ipedon (A2)		Polyvalue Belov	,	e (S8) ( <b>L</b>	RR R.		airie Redox (A16) (LRR K, L, R)		
Black His			MLRA 149B)		- (/(	,		cky Peat or Peat (S3) (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</b> )		
Stratified	Layers (A5)		High Chroma S	ands (S	11) (LRF	R K, L)	Thin Dark	Surface (S9) (LRR K, L)		
Depleted	Below Dark Surface	(A11)	Loamy Mucky N	Mineral (	F1) ( <b>LRF</b>	R K, L)	Iron-Man	ganese 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 Matrix					ent Material (F21) (outside MLRA 145)		
•	A 144A, 145, 149B)		Redox Dark Su	•	•		Very Shallow Dark Surface (F22)			
	ucky Mineral (S1)		Depleted Dark				Other (Ex	cplain in Remarks)		
	eyed Matrix (S4)		X Redox Depress		3)		3, ,,			
Sandy Re	, ,		Marl (F10) (LRI	. ,	24) (84) 5	A 445)	<sup>3</sup> Indicators of hydrophytic vegetation and			
Stripped	Matrix (S6)		Red Parent Ma	teriai (F2	21) (WLR	(A 145)	wetland hydrology must be present, unless disturbed or problematic.			
Restrictive L	ayer (if observed):						uniess	disturbed of problematic.		
Type:	, (									
Depth (in	ches):						Hydric Soil Presen	t? Yes <u>X</u> No		
Remarks:										



Wetland P4-D - View facing south.



Wetland P4-D - 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 - Segment 6 - Package 4A	City/County: Ballston/ Saratoga Sampling Date: 04/13/23
Applicant/Owner: TDI	State: NY Sampling Point: Upl P4-D-4
Investigator(s): C.Scrivner & C. Einstein	Section, Township, Range:
Landform (hillside, terrace, etc.): Hillslope	Local relief (concave, convex, none): Convex Slope %: 15
Subregion (LRR or MLRA): LRR R Lat: 42.95267	<del></del>
Soil Map Unit Name: BtB: Broadalbin silt loam, 3 to 8 percent slope	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 significant	y disturbed? Are "Normal Circumstances" present? Yes x No
Are Vegetation, Soil, or Hydrology naturally p	roblematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing	g sampling point locations, transects, important features, etc.
Halada ii Maadaia Baada	1. 4. 2
Hydrophytic Vegetation Present? Yes No X	Is the Sampled Area
Hydric Soil Present?         Yes X         No           Wetland Hydrology Present?         Yes No X	within a Wetland? Yes No X
	If yes, optional Wetland Site ID:
Remarks: (Explain alternative procedures here or in a separate rep Successional Northern Hardwoods.	ort.)
Successional Northern Hardwoods.	
HYDROLOGY	
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 L	
High Water Table (A2)  Aquatic Fauna (I	
Saturation (A3) Marl Deposits (B	
Water Marks (B1) Hydrogen Sulfide	e Odor (C1) Crayfish Burrows (C8)
Sediment Deposits (B2)  Oxidized Rhizos	oheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Rec	luced Iron (C4) Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4)Recent Iron Red	uction in Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5)Thin Muck Surfa	ce (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):
	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 pho	tos, previous inspections), if available:
Demodus	
Remarks:	

<b>EGETATION</b> – Use scientific names of plan				Sampling Point: Upl P4-D-4
ree Stratum (Plot size: 30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
. Picea abies	70	Yes	UPL	Number of Dominant Species
. Pinus sylvestris	15	No	UPL	That Are OBL, FACW, or FAC: 2 (A)
Pinus strobus	5	No	FACU	
. Acer rubrum	5	No	FAC	Total Number of Dominant Species Across All Strata: 8 (B)
·				Percent of Dominant Species That Are OBL, FACW, or FAC: 25.0% (A/B
				Prevalence Index worksheet:
	95	=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size: 15' )				OBL species 0 x 1 = 0
. Lonicera morrowii	5	Yes	FACU	FACW species 0 x 2 = 0
Picea abies	5	Yes	UPL	FAC species 25 x 3 = 75
. Rhamnus cathartica	5	Yes	FAC	FACU species 30 x 4 = 120
				UPL species 90 x 5 = 450
· ·				Column Totals: 145 (A) 645 (B
·				
		· ——		Prevalence Index = B/A = 4.45
·				Hydrophytic Vegetation Indicators:
	15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
erb Stratum (Plot size:5')				2 - Dominance Test is >50%
Alliaria petiolata	10	Yes	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>
. Parthenocissus quinquefolia	5	Yes	FACU	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
. Fragaria virginiana	5	Yes	FACU	data in Remarks or on a separate sheet)
·				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
				<sup>1</sup> Indicators of hydric soil and wetland hydrology must b
		· <u></u>		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, regardless
	20	=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
. Toxicodendron radicans	15	Yes	FAC	height.
·				
·				Hydrophytic Vegetation
·				Present? Yes No X
	15	=Total Cover		

SOIL Sampling Point: Upl P4-D-4

Profile Desci Depth	ription: (Describe to Matrix	the dep		<b>ment th</b> x Featur		or or co	nfirm the absence of in	dicators.)	
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remark	(S
0-6	10YR 3/2	100					Loamy/Clayey		
6-15	10YR 4/3	100					Loamy/Clayey		
15-22	10YR 4/3	80	10YR 5/1	10		M	Loamy/Clayey		
15-22	1011 4/3						Loamy/Clayey		
			10YR 4/6	10	<u> </u>	<u>M</u>		Distinct redox cor	ncentrations
	ncentration, D=Deple	etion, RM=	Reduced Matrix, M	S=Mask	ed Sand	Grains.		=Pore Lining, M=Matr	
Hydric Soil II			Dorle Curtoss (	07)				Problematic Hydric	
Histosol (	ipedon (A2)	•	Dark Surface (S	,	ce (S8) (L	RR R.		k (A10) ( <b>LRR K, L, M</b> irie Redox (A16) ( <b>LRI</b>	
Black His		•	MLRA 149B		() (-	,		ky Peat or Peat (S3) (	
Hydroger	n Sulfide (A4)	•	Thin Dark Surfa	ace (S9)	(LRR R,	MLRA 1	<b>49B</b> ) Polyvalue	Below Surface (S8) (	LRR K, L)
	Layers (A5)		High Chroma S					Surface (S9) (LRR K	
	Below Dark Surface rk Surface (A12)	(A11)	Loamy Mucky I Loamy Gleyed			R K, L)		anese Masses (F12) Floodplain Soils (F19	
	odic (A17)	•	Depleted Matrix	,	2)			nt Material (F21) <b>(out</b>	
	A 144A, 145, 149B)	•	Redox Dark Su		6)			ow Dark Surface (F2	
Sandy M	ucky Mineral (S1)		Depleted Dark	Surface	(F7)		Other (Exp	olain in Remarks)	
	eyed Matrix (S4)		X Redox Depress		3)		31	off look for and	
Stripped	edox (S5) Matrix (S6)		Marl (F10) ( <b>LR</b> Red Parent Ma		21) <b>/MI R</b>	Δ 145)		of hydrophytic veget hydrology must be pi	
опрресс	widthx (GG)	•	Red rarem wa	itoriai (i z	er) (IIILI			listurbed or problema	
Restrictive L	ayer (if observed):							·	
·-									
Depth (in	ches):						Hydric Soil Present	? Yes X	No
Remarks:									



**Upland P4-D - View facing west.** 



**Upland P4-D - Soils** 

# **SITE PHOTOGRAPHS**

### WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Ballston Lake/Saratoga Sampling Date: 12/15/21
Applicant/Owner: TDI	State: NY Sampling Point: c-cp-A-6 wet
Investigator(s): J. Greaves & N. Frazer	Section, Township, Range:
	relief (concave, convex, none): Concave Slope %: 20
Subregion (LRR or MLRA): LRR R Lat: 42-51-09N	Long: 73-51-31W Datum: WGS84
Soil Map Unit Name: Mosherville silt loam, 0 to 3 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	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	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.)  Common reed marsh within a linear depression.	
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	B9) Drainage Patterns (B10)
High Water Table (A2) Aquatic Fauna (B13)	Moss Trim Lines (B16)
Saturation (A3) Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide Odor (	(C1) Crayfish Burrows (C8)
Sediment Deposits (B2)  Oxidized Rhizospheres 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 3 Depth (inches):	: <u></u>
Water Table Present? Yes X No 0 Depth (inches):	: <u></u>
Saturation Present? Yes X No 0 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:	
Data plot not taken in the adjacent upland because it is just railroad ballast	•

	Absolute	Dominant	Indicator	
Tree 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: 2 (B)
				Species Across All Strata: 2 (B)
		<u> </u>		Percent of Dominant Species
				That Are OBL, FACW, or FAC: (A/E
				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size: 15' )	,	•		OBL species 10 x 1 = 10
				FACW species 60 x 2 = 120
		· ——		
		· ——		FAC species0 x 3 =0
				FACU species0 x 4 =0
				UPL species0 x 5 =0
				Column Totals: 70 (A) 130 (E
				Prevalence Index = B/A = 1.86
				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
erb Stratum (Plot size: 5' )		•		2 - Dominance Test is >50%
Phragmites australis	60	Yes	FACW	X 3 - Prevalence Index is ≤3.0 <sup>1</sup>
				<del></del>
Typha angustifolia	10	No	OBL	4 - Morphological Adaptations <sup>1</sup> (Provide supportidata in Remarks or on a separate sheet)
Sphagnum	30	Yes		data in remarks of on a separate sheet)
				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
·				<sup>1</sup> 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
		<u> </u>		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
	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.
oody Vine Stratum (Plot size: 30' )	)			
				<b>Woody vines</b> – All woody vines greater than 3.28 ft height.
				noight.
				Hydrophytic
·		<u> </u>		Vegetation
				Present?

		to the de				ator or co	onfirm the absence of	f indicators.)
Depth	Matrix	%		K Featur		Loc <sup>2</sup>	Tarakuma	Develop
(inches) 0-9	Color (moist) 10YR 2/1		7.5YR 3/4	<u>%</u>	Type <sup>1</sup>		Texture	Remarks  Prominent redox concentrations
	1011 2/1	75	7.518.5/4	25	<u> </u>	<u>m</u>	Sandy	Prominent redox concentrations
9-17	10YR 3/1	60	10YR 4/6	40	<u> </u>	<u>m</u>	Sandy	Prominent redox concentrations
								<del></del>
					-			
<sup>1</sup> Type: C=Co	oncentration, D=Depl	etion, RN	/I=Reduced Matrix, M	1S=Mas	ked Sand	d Grains.	<sup>2</sup> Location: P	L=Pore Lining, M=Matrix.
Hydric Soil								or Problematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Belo		ce (S8) (	LRR R,		ck (A10) ( <b>LRR K, L, MLRA 149B</b> )
	pipedon (A2)		MLRA 149B					rairie Redox (A16) ( <b>LRR K, L, R</b> )
	stic (A3)		Thin Dark Surfa				· —	cky Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					e Below Surface (S8) (LRR K, L)
	l Layers (A5)	(111)	Loamy Mucky I			R K, L)		k Surface (S9) (LRR K, L)
	d Below Dark Surface ark Surface (A12)	(A11)	Loamy Gleyed Depleted Matrix		F2)			nganese Masses (F12) ( <b>LRR K, L, R</b> ) at Floodplain Soils (F19) ( <b>MLRA 149B</b> )
	lucky Mineral (S1)		Redox Dark Su		6)			podic (TA6) (MLRA 144A, 145, 149B)
	Sleyed Matrix (S4)		Depleted Dark					ent Material (F21)
X Sandy R			Redox Depress					allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) ( <b>LR</b>	•	-,			xplain in Remarks)
	rface (S7)			. ,				
<sup>3</sup> Indicators o	f hydrophytic vegetati	ion and v	vetland hydrology mι	ıst be pı	esent, ur	nless dist	urbed or problematic.	
Restrictive I	Layer (if observed):							
Type:								
Depth (ir	nches):						Hydric Soil Preser	nt? Yes No
Remarks:								
								CS Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://w	ww.nrcs.	usda.gov/Internet/FS	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)	



Wetland C-CP-A-6 - View facing southwest.



Wetland C-CP-A-6 - Soils

# **SITE PHOTOGRAPHS**



Upland C-CP-A-6 - View facing southwest.

SITE PHOTOGRAPHS

### WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Ballston/Saratoga Sampling Date: 12/16/21				
Applicant/Owner: TDI	State: NY Sampling Point: c-cP-G-4 Wet				
Investigator(s): N. Frazer, K. Weiskotten	Section, Township, Range:				
Landform (hillside, terrace, etc.): ditch Local	relief (concave, convex, none): concave Slope %: 3				
Subregion (LRR or MLRA): LRR R Lat: 42-56-57.85N	Long: 73-51-38.22W Datum: WGS 84				
Soil Map Unit Name: BvB-Broadalbin-Manlius Nassau Complex, Undulatin					
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           Hydric Soil Present?         Yes X No           Wetland Hydrology Present?         Yes X No	Is the Sampled Area within a Wetland? 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)				
Saturation (A3)  Marl Deposits (B15)	Dry-Season Water Table (C2)				
Water Marks (B1)  Hydrogen Sulfide Odor (	· · · · · · · · · · · · · · · · · · ·				
Sediment Deposits (B2)  Oxidized Rhizospheres of Proposity (B2)	— · · · · —				
Drift Deposits (B3) Presence of Reduced Iro					
Algal Mat or Crust (B4)  Recent Iron Reduction in This Music Surface (C7)	· , · , , , , , , , , , , , , , , , ,				
Iron Deposits (B5) Thin Muck Surface (C7)  Other (Fundamental Deposits in Property of the Control of the Contro					
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):					
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:					

	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 Deminent
				Total Number of Dominant Species Across All Strata: 3 (B)
				``
				Percent of Dominant Species That Are OBL, FACW, or FAC: 66.7% (A/B
_				That Are OBL, FACW, or FAC: 66.7% (A/B Prevalence Index worksheet:
		T		
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15')				OBL species55
·				FACW species 0 x 2 = 0
				FAC species 0 x 3 = 0
i				FACU species0 x 4 =0
·				UPL species0 x 5 =0
				Column Totals: 55 (A) 55 (B
i				Prevalence Index = B/A = 1.00
				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' )		•		X 2 - Dominance Test is >50%
Typha latifalia	35	Yes	OBL	X 3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Carex stricta	20	Yes	OBL	4 - Morphological Adaptations <sup>1</sup> (Provide supportin
_			OBL	data in Remarks or on a separate sheet)
3. Spagnum moss sp.	30	Yes		
l				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
S				be present, unless disturbed or problematic.
·				Definitions of Vegetation Strata:
B				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 banks are one (rean overalls) related to a sending
	85	=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' )		•		
				<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.
				neight.
				Hydrophytic
•				Vegetation
				Present? Yes X No No
3. i.		=Total Cover		

Profile Desc Depth	ription: (Describe t Matrix	o the de		ı <b>ment tl</b> ‹ Featur		ator or co	onfirm the absence o	f indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-9	10YR 2/1	100					Muck	
9-15	2 5Y 3/1	85	10YR 5/6	15			L oamv/Clavev	Prominent redox concentrations
9-15	2.5Y 3/1		10YR 5/6			M	Loamy/Clayey	Prominent redox concentrations
1Type: C=C	oncentration, D=Depl		——————————————————————————————————————				2l ocation: P	L=Pore Lining, M=Matrix.
Hydric Soil		ellon, Kiv	i-Reduced Matrix, iv	IS-IVIAS	keu Sand	Giailis.		or Problematic Hydric Soils <sup>3</sup> :
X Black Hi Hydroge Stratified Depleted Thick Da Sandy M Sandy G Sandy R Stripped Dark Sui	pipedon (A2) stic (A3) In Sulfide (A4) I Layers (A5) I Below Dark Surface ark Surface (A12) Ilucky Mineral (S1) Ileyed Matrix (S4) Iledox (S5) Matrix (S6) Iface (S7)		Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I Loamy Gleyed Depleted Matrix Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR	) ace (S9, Gands (S) Alineral Matrix ( x (F3) Inface (F) Surface (F) Surface Sions (F) R K, L)	(LRR R 611) (LRI (F1) (LRI F2) 66) (F7)	, MLRA 1 R K, L) R K, L)	Coast Pi 5 cm Mu Polyvalu Thin Dai Iron-Mar Piedmor Mesic Si Red Par Very Sha	ick (A10) (LRR K, L, MLRA 149B) rairie Redox (A16) (LRR K, L, R) icky Peat or Peat (S3) (LRR K, L, R) ie Below Surface (S8) (LRR K, L) ick Surface (S9) (LRR K, L) inganese Masses (F12) (LRR K, L, R) int Floodplain Soils (F19) (MLRA 149B) podic (TA6) (MLRA 144A, 145, 149B) ient Material (F21) allow Dark Surface (F22) ixplain in Remarks)
Type:	_ayer (If observed): non-	Э						
Depth (ir	nches):						Hydric Soil Presei	nt? Yes <u>X</u> No
	m is revised from No 2015 Errata. (http://w							CS Field Indicators of Hydric Soils,



Wetland C-CP-G-4- View facing southwest



Wetland C-CP-G-4- Soils

# **SITE PHOTOGRAPHS**

### WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Ballston/Saratoga Sampling Date: 12/16/21
Applicant/Owner: TDI	 State: NY Sampling Point: c-cP-G-4 ∪pi
Investigator(s): N. Frazer, K. Weiskotten	Section, Township, Range:
	relief (concave, convex, none): none Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 42-56-57.58N	Long: 73-51-38.12W Datum: WGS 84
Soil Map Unit Name: BvB- Broadalbin-Manlius Nassau Complex, undulatin	
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	ipling 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. Berm between the railroad and the bike path. Also a	an overhead ROW.
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:
Remarks:	
Remarks.	

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:(A/B)
7				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species0 x1 =0
1. Rubus allegheniensis	5	Yes	FACU	FACW species 0 x 2 = 0
2.				FAC species 5 x 3 = 15
3				FACU species70 x 4 =280
4				UPL species 0 x 5 = 0
5.				Column Totals: 75 (A) 295 (B)
6.				Prevalence Index = B/A = 3.93
7.				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	60	Yes	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>
Rumex crispus	5	No	FAC	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Glechoma hederacea	5	No	FACU	data in Remarks or on a separate sheet)
		INO		Duckley of a livery which is No modeling 1 (Figure)
4.				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5.				<sup>1</sup> 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
	70	=Total Cover		of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size:)  1				Woody vines – All woody vines greater than 3.28 ft in height.
2.	1			
2				Hydrophytic
4.				Vegetation Present? Yes No X
<b>4.</b>		-Tatal Cavan		rieseiit: ies NO
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	ate sneet.)			

Sampling Point: C-CP-G-4 Upl

Depth	ription: (Describe t Matrix	to the de	•	<b>ument tl</b> x Featur		tor or co	nfirm the absence of indi	cators.)
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-5	10YR 2/1	100					Loamy/Clayey	
5-11	10YR 2/2	100					Loamy/Clayey	
						—		
<sup>1</sup> Type: C=Co	oncentration, D=Depl	etion. RM	======================================	//S=Mas	ked Sand	Grains.	<sup>2</sup> Location: PL=Po	re Lining, M=Matrix.
Hydric Soil I								blematic Hydric Soils <sup>3</sup> :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (I	RR R,	2 cm Muck (A	10) ( <b>LRR K, L, MLRA 149B</b> )
	pipedon (A2)		MLRA 149B	•				Redox (A16) ( <b>LRR K, L, R</b> )
Black His			Thin Dark Surf		-			eat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		High Chroma S					ow Surface (S8) (LRR K, L)
	Layers (A5)	(0.4.4)	Loamy Mucky			R K, L)		face (S9) (LRR K, L)
	Below Dark Surface	e (A11)	Loamy Gleyed		F2)			se Masses (F12) (LRR K, L, R)
	rk Surface (A12) lucky Mineral (S1)		Depleted Matri Redox Dark Su		:6)			odplain Soils (F19) ( <b>MLRA 149B</b> ) (TA6) ( <b>MLRA 144A, 145, 149B</b> )
	leyed Matrix (S4)		Depleted Dark				Red Parent M	
	edox (S5)		Redox Depress					Dark Surface (F22)
	Matrix (S6)		Marl (F10) ( <b>LR</b>		-,		Other (Explain	• ,
	face (S7)			, ,				,
_								
	hydrophytic vegetati	ion and w	etland hydrology mu	ust be pr	esent, ur	less dist	urbed or problematic.	
	_ayer (if observed):	ı.						
Type: _	rocl							., ., .,
Depth (in	nches):	11					Hydric Soil Present?	Yes No _X
	m is revised from No 2015 Errata. (http://w							eld Indicators of Hydric Soils,



**Upland C-CP-G-4- View facing west** 



**Upland C-CP-G-4- Soils** 

# **SITE PHOTOGRAPHS**

### WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Ballston/Saratoga Sampling Date: 12/16/21
Applicant/Owner: TDI	State: NY Sampling Point: c-cP-G-25 We
Investigator(s): N. Frazer, K. Weiskotten	Section, Township, Range:
• , ,	relief (concave, convex, none): none Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 42-56-34.53N	Long: 73-51-48.20W Datum: WGS 84
Soil Map Unit Name: MxB-Mosherville-Hornell Complex, undulating	NWI classification: 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 disturb	<del></del>
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:
Data point taken at flag C-CP-G-25 Wet.	
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 (B	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	
Algal Mat or Crust (B4)  Recent Iron Reduction in	— · · · · · · · · · · · · · · · · · · ·
Iron Deposits (B5)  Thin Muck Surface (C7)  Other (For Islands in Property of the Control of the	
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):	
Water Table Present? Yes x No Depth (inches):	
Saturation Present? Yes x No Depth (inches):	:6 Wetland Hydrology Present? Yes _ X _ No
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	
Beschibe Recorded Bata (stream gauge, monitoring well, acrial photos, pre	vious inspections), il available.
Remarks: Adjacent to stream C-CP-S9.	

	Absolute	Dominant	Indicator	
ree Stratum (Plot size:30')	% Cover	Species?	Status	Dominance Test worksheet:
				Number of Deminant Creation
				Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
		· ——		Total Number of Dominant Species Across All Strata: 2 (B)
				Species Across All Strata2 (b)
	-			Percent of Dominant Species
				That Are OBL, FACW, or FAC: (A/E
				Prevalence Index worksheet:
		=Total Cover		Total % Cover of: Multiply by:
apling/Shrub Stratum (Plot size:15'	)			OBL species0 x 1 =0
Cornus amomum	50	Yes	FACW	FACW species 50 x 2 = 100
Lonicera tatarica	35	Yes	FACU	FAC species 0 x 3 = 0
Rosa multiflora	8	No	FACU	FACU species 43 x 4 = 172
				UPL species 0 x 5 = 0
	_			· — —
				Prevalence Index = B/A = 2.92
				Hydrophytic Vegetation Indicators:
	93	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
erb Stratum (Plot size:5' )				2 - Dominance Test is >50%
Sphagnum moss sp.	2	No		X 3 - Prevalence Index is ≤3.0 <sup>1</sup>
				4 - Morphological Adaptations <sup>1</sup> (Provide supporti
				data in Remarks or on a separate sheet)
				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
•				
	-			<sup>1</sup> 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.
L				Herb – All herbaceous (non-woody) plants, regardles
	2	=Total Cover		of size, and woody plants less than 3.28 ft tall.
oody Vine Stratum (Plot size: 30'	)	•		
	,			<b>Woody vines</b> – All woody vines greater than 3.28 ft height.
	-			neight.
	-			Hydrophytic
				Vegetation
				Present? Yes X No
		=Total Cover		

Profile Desc Depth	ription: (Describe to Matrix	o the de		<b>ıment tl</b> k Featur		tor or co	nfirm the absence o	f indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-14	10YR 2/1	80	10YR 3/6	20		_M	Sandy	Prominent redox concentrations
				_				
						·		
1Typo: C=C	oncentration, D=Deple		I-Poducod Matrix M		——	Crains	2l ocation: P	L=Pore Lining, M=Matrix.
Hydric Soil I Histosol Histic Ep Black Hi Hydroge Stratified Depleted Thick Da Sandy M Sandy G X Sandy R ? Stripped ? Dark Sun	Indicators:  (A1)  pipedon (A2)  stic (A3)  n Sulfide (A4)  I Layers (A5)  I Below Dark Surface  ark Surface (A12)  lucky Mineral (S1)  sleyed Matrix (S4)  edox (S5)  Matrix (S6)	(A11)	Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I Loamy Gleyed Depleted Matri: Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR	w Surface (S9) Sands (S Mineral (S Matrix (S Mineral (S	(LRR R (11) (LRR R (F1) (LRI (F1) (LRI (F2) (6) (F7)	LRR R, , MLRA 1 R K, L) R K, L)	Indicators for 2 cm Mu ? Coast Pr 49B) 5 cm Mu Polyvalu Thin Dar Iron-Mar Piedmor Mesic Sp Red Par Very Sha Other (E	or Problematic Hydric Soils <sup>3</sup> : lock (A10) (LRR K, L, MLRA 149B) rairie Redox (A16) (LRR K, L, R) locky Peat or Peat (S3) (LRR K, L, R) le Below Surface (S8) (LRR K, L) lock Surface (S9) (LRR K, L) loganese Masses (F12) (LRR K, L, R) lot Floodplain Soils (F19) (MLRA 149B) locodic (TA6) (MLRA 144A, 145, 149B) lent Material (F21) lallow Dark Surface (F22) xplain in Remarks)
Type: - Depth (ir	rock	14					Hydric Soil Preser	nt? Yes X No
	m is revised from Nor 2015 Errata. (http://w							CS Field Indicators of Hydric Soils,



Wetland C-CP-G-25- View facing east



Wetland C-CP-G-25- Soils

## **SITE PHOTOGRAPHS**

### WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Ballston/Saratoga Sampling Date: 12/16/21
Applicant/Owner: TDI	 State: NY Sampling Point: c.cp.G-25 ⊍pi
Investigator(s): N. Frazer, K. Weiskotten	Section, Township, Range:
	relief (concave, convex, none): none Slope %: 4
Subregion (LRR or MLRA): LRR R Lat: 42-56-34.43N	Long: 73-51-47.83W Datum: WGS 84
Soil Map Unit Name: MxB- Mosherville-Hornell Complex, undulating	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:
Remarks: (Explain alternative procedures here or in a separate report.)  Scrub shrub 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 of the control of th	
Presence of Reduced Ir	<u> </u>
Algal Mat or Crust (B4)  — Recent Iron Reduction in	
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:	

	Absolute	Dominant	Indicator				
ree 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: 4 (B)			
				Percent of Dominant Species That Are OBL, FACW, or FAC: 25.0% (A/B			
				Prevalence Index worksheet:			
•	·	=Total Cover		Total % Cover of: Multiply by:			
anling/Chruh Stratum (Diet eizer 15)	·	- Total Cover					
apling/Shrub Stratum (Plot size: 15'	)		E4.0	· — —			
Rhamnus cathartica	15	Yes	FAC	FACW species 0 x 2 = 0			
Lonicera tatarica	30	Yes	<u>FACU</u>	FAC species 25 x 3 = 75			
Rosa multiflora	5	<u>No</u>	<u>FACU</u>	FACU species 128 x 4 = 512			
Rubus allegheniensis	3	No	FACU	UPL species 5 x 5 = 25			
				Column Totals: 158 (A) 612 (B			
				Prevalence Index = B/A = 3.87			
·				Hydrophytic Vegetation Indicators:			
	53	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
lerb Stratum (Plot size: 5' )				2 - Dominance Test is >50%			
Daucus carota	5	No	UPL	3 - Prevalence Index is ≤3.0 <sup>1</sup>			
. Solidago canadensis	65	Yes	FACU	4 - Morphological Adaptations <sup>1</sup> (Provide supportin			
. Galium boreale	10	No	FAC	data in Remarks or on a separate sheet)			
. Phytolacca americana	25	Yes	FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
i.		163	1700	Troblematic Hydrophytic vegetation (Explain)			
	<u> </u>			<sup>1</sup> 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:			
	105	=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.			
				Hydrophytic			
	·			Vegetation           Present?         Yes         No _X			
				Present: 1esNO_X			
·		=Total Cover					

Profile Desc Depth	ription: (Describe t Matrix	to the de		<b>ument tl</b> x Featur		itor or co	onfirm the absence of i	ndicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
							L a array/Classes	na alou fill
0-9	10YR 2/1	100					Loamy/Clayey	rocky fill
								_
<sup>1</sup> Type: C=Co	oncentration, D=Depl	etion RN	M=Reduced Matrix N	 AS=Mas	ked Sand		<sup>2</sup> l ocation: PI =	Pore Lining, M=Matrix.
Hydric Soil		ouon, rui	Troudou Matrix, II	io ivido	nou ounc	· Oranio.		Problematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (	LRR R.		(A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B		() (	<b>,</b>		rie Redox (A16) ( <b>LRR K, L, R</b> )
Black Hi			Thin Dark Surf	•	(LRR R	, MLRA 1		xy Peat or Peat (S3) ( <b>LRR K, L, R</b> )
	n Sulfide (A4)		High Chroma S					Below Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky					Surface (S9) ( <b>LRR K, L</b> )
	l Below Dark Surface	(A11)	Loamy Gleyed					anese Masses (F12) ( <b>LRR K, L, R</b> )
	rk Surface (A12)	, ,	Depleted Matri		,			Floodplain Soils (F19) (MLRA 149B)
Sandy M	lucky Mineral (S1)		Redox Dark Su	ırface (F	6)		Mesic Spo	dic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)		Red Paren	t Material (F21)
Sandy R	edox (S5)		Redox Depress	sions (F	8)		Very Shall	ow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) ( <b>LR</b>	RK,L)			Other (Exp	olain in Remarks)
Dark Sui	face (S7)							
	<del>, , , , , , , , , , , , , , , , , , , </del>	ion and w	etland hydrology mu	ust be pr	esent, ur	nless dist	urbed or problematic.	
	ayer (if observed):							
Type:	rock	k						
Depth (ir	nches):	9					Hydric Soil Present?	? Yes No _X
Remarks:								
								Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://w	/ww.nrcs.	usda.gov/Internet/F	SE_DOO	CUMENT	S/nrcs14	2p2_051293.docx)	



**Upland C-CP-G-25- View facing west** 



**Upland C-CP-G-25- 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 - Segment 6 - Package	4A	City/County: Ballstor	n/ Saratoga	Sampling Date: 04/13/2023			
Applicant/Owner: TDI		·	State: NY	Sampling Point: Wet P4-E-5			
Investigator(s): C.Scrivner & C. Einstein		Section, To	——— wnship, Range:				
Landform (hillside, terrace, etc.): Hillslope	Local re	elief (concave, conve		Slope %: 3			
Subregion (LRR or MLRA): LRR R	Lat: 42.948602	•	-73.861686	Datum: NAD83			
Soil Map Unit Name: BvB - Broadalbin-Man			NWI classification:	<del></del>			
·		-		-			
Are climatic / hydrologic conditions on the site		Yes x	<del></del> `	explain in Remarks.)			
Are Vegetation, Soil, or Hydro	<del></del>		nal Circumstances" prese				
Are Vegetation, Soil, or Hydro			d, explain any answers in	,			
SUMMARY OF FINDINGS – Attach	site map showing sam	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		No			
Wetland Hydrology Present?	Yes X No	If yes, optional We	tland Site ID: Near flag	9 P4-E-5			
Remarks: (Explain alternative procedures h	ere or in a separate report.)						
Red Maple Hardwood Swamp.							
HYDROLOGY							
Wetland Hydrology Indicators:			Secondary Indicators (n	minimum of two required)			
Primary Indicators (minimum of one is requi	red; check all that apply)		Surface Soil Cracks				
Surface Water (A1)	X Water-Stained Leaves (B	39)	X 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)	Hydrogen Sulfide Odor (C	C1)	Crayfish Burrows (0				
Sediment Deposits (B2)	Oxidized Rhizospheres of	n Living Roots (C3)	Saturation Visible o	on Aerial Imagery (C9)			
Drift Deposits (B3)	Presence of Reduced Iro	n (C4)	(C4) Stunted or Stressed Plants (D1)				
Algal Mat or Crust (B4)	Recent Iron Reduction in	n Tilled Soils (C6) Geomorphic Position (D2)					
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (D3)					
Inundation Visible on Aerial Imagery (B7	7)Other (Explain in Remark	(s)	Microtopographic R	Relief (D4)			
Sparsely Vegetated Concave Surface (E	38)		FAC-Neutral Test (	D5)			
Field Observations:							
Surface Water Present? Yes	No X Depth (inches):						
Water Table Present? Yes X	No Depth (inches): _	11					
Saturation Present? Yes X	No Depth (inches): _	8 Wetlan	d Hydrology Present?	YesX_ No			
(includes capillary fringe)							
Describe Recorded Data (stream gauge, mo	onitoring well, aerial photos, prev	vious inspections), if	available:				
Remarks:							
1							

For a Chapture (Diet size) 201	Absolute	Dominant	Indicator Status	Dominance Test worksheet:		
Tree Stratum (Plot size:30')	% Cover	Species?		Dominance Test worksheet:		
Acer rubrum	50	Yes	FAC	Number of Dominant Species		
Fraxinus pennsylvanica	30	Yes	FACW	That Are OBL, FACW, or FAC:4 (A)		
Ulmus americana	10	No No	FACW	Total Number of Dominant		
Pinus strobus	5	No No	<u>FACU</u>	Species Across All Strata: 6 (B)		
i				Percent of Dominant Species		
		·		That Are OBL, FACW, or FAC: 66.7% (A/B)		
				Prevalence Index worksheet:		
	95	=Total Cover		Total % Cover of: Multiply by:		
Sapling/Shrub Stratum (Plot size:15')				OBL species0 x1 =0		
Fraxinus pennsylvanica	30	Yes	FACW	FACW species 70 x 2 =140		
Acer rubrum	8	No	FAC	FAC species63 x 3 =189		
3. Lonicera morrowii	5	No	FACU	FACU species18 x 4 =72		
Rosa multiflora	3	No	FACU	UPL species10 x 5 =50		
j				Column Totals: 161 (A) 451 (B		
5				Prevalence Index = B/A = 2.80		
·				Hydrophytic Vegetation Indicators:		
	46	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
Herb Stratum (Plot size:5' )				X 2 - Dominance Test is >50%		
. Erythronium americanum	10	Yes	UPL	X 3 - Prevalence Index is ≤3.0 <sup>1</sup>		
2. Fragaria virginiana	5	Yes	FACU	4 - Morphological Adaptations (Provide supporting		
3. Toxicodendron radicans	5	Yes	FAC	data in Remarks or on a separate sheet)		
k				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)		
j.				<sup>1</sup> Indicators of hydric soil and wotland hydrology must		
j.				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  Definitions of Vegetation Strata:		
3.				Tare Manda plants 2 in /7 Care) as security		
).				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.						
	20	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardles of size, and woody plants less than 3.28 ft tall.		
Noody Vine Stratum (Plot size: 30' )		. Total Gover				
				<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.		
				neight.		
				Hydrophytic		
J				Vegetation		
l		·		Present?		
		=Total Cover				

SOIL Sampling Point Wet P4-E-5

Profile Desc Depth	ription: (Describe t Matrix	o the de	-	<b>ument tl</b> x Featur		ator or co	onfirm the absence of	indicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
0-4	10YR 3/1	100					Loamy/Clayey		
4-12	10YR 4/1	80	10YR 4/6	20	С	М	Loamy/Clayey	Prominent redox concentrations	
12-18	10YR 5/1	70	10YR 5/8	30	С	М	Loamy/Clayey	Prominent redox concentrations	
<sup>1</sup> Type: C=Co	oncentration, D=Deple	etion, RI	//⊒Reduced Matrix, M	/IS=Mas	ked San	d Grains.	<sup>2</sup> Location: PL	.=Pore Lining, M=Matrix.	
Hydric Soil I	ndicators:							r Problematic Hydric Soils <sup>3</sup> :	
Histosol			Dark Surface (	,				ck (A10) ( <b>LRR K, L, MLRA 149B</b> )	
	ipedon (A2)		Polyvalue Belo		ce (S8) (	LRR R,	Coast Prairie Redox (A16) (LRR K, L, R)		
Black His	` '		MLRA 149B	,	\	MIDA		cky Peat or Peat (S3) (LRR K, L, R)	
	n Sulfide (A4) Layers (A5)		Thin Dark Surfa					e Below Surface (S8) ( <b>LRR K, L</b> ) s Surface (S9) ( <b>LRR K, L</b> )	
	Below Dark Surface	(A11)	Loamy Mucky					ganese Masses (F12) (LRR K, L, R)	
	rk Surface (A12)	(,,,,,	Loamy Gleyed			, = /		Floodplain Soils (F19) (MLRA 149B)	
Mesic Spodic (A17)			X Depleted Matri		,		Red Parent Material (F21) (outside MLRA 145)		
(MLRA 144A, 145, 149B)			Redox Dark Su	ırface (F	<del>-</del> 6)		Very Shallow Dark Surface (F22)		
Sandy Mucky Mineral (S1)			Depleted Dark	Surface	(F7)		Other (Ex	plain in Remarks)	
	leyed Matrix (S4)		Redox Depress		8)		3		
Sandy Redox (S5)			Marl (F10) (LR		.047 <b>(PA</b> LL	DA 445)	<sup>3</sup> Indicators of hydrophytic vegetation and		
Stripped Matrix (S6)		Red Parent Ma	iteriai (F	(IVILI	KA 145)	wetland hydrology must be present, unless disturbed or problematic.			
Restrictive L	ayer (if observed):						unless	distarbed or problematic.	
Type:	,								
Depth (in	nches):						Hydric Soil Present	t? Yes <u>X</u> No	
Remarks:									



Wetland P4-E - View facing northeast.



Wetland P4-E - 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 - Segment 6 - Package	4A	City/County: Ballstor	n/ Saratoga	Sampling Date: 04/13/2023		
Applicant/Owner: TDI		· · ·	State: NY	Sampling Point: Upl P4-E-5		
Investigator(s): C.Scrivner & C. Einstein		Section, To	 wnship, Range:			
Landform (hillside, terrace, etc.): Hillslope	Local re	elief (concave, conve		Slope %: 2		
Subregion (LRR or MLRA): LRR R	Lat: 42.948411		-73.861983	Datum: NAD83		
,			NWI classification:	<del></del>		
Soil Map Unit Name: BvB - Broadalbin-Manl		-	<del></del>	NA		
Are climatic / hydrologic conditions on the site		Yes x	· · · · ·	explain in Remarks.)		
Are Vegetation, Soil, or Hydro	logy significantly disturb	ed? Are "Norn	nal Circumstances" prese	ent? Yes x No		
Are Vegetation, Soil, or Hydro	logy naturally problemat	tic? (If needed	I, 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 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:			
Remarks: (Explain alternative procedures he Successional Northern Hardwoods.	· · · · ·					
HYDROLOGY						
Wetland Hydrology Indicators:			Secondary Indicators (n	ninimum of two required)		
Primary Indicators (minimum of one is requir	ed; check all that apply)		Surface Soil Cracks	s (B6)		
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			
Water Marks (B1)	Hydrogen Sulfide Odor (C	•	Crayfish Burrows (C	,		
Sediment Deposits (B2)	Oxidized Rhizospheres of			n Aerial Imagery (C9)		
Drift Deposits (B3)	Presence of Reduced Iron		Stunted or Stressed			
Algal Mat or Crust (B4) Iron Deposits (B5)	Recent Iron Reduction in Thin Muck Surface (C7)	Tilled Solis (Co)				
Inundation Visible on Aerial Imagery (B7		re)	Shallow Aquitard (D3)  Microtopographic Relief (D4)			
Sparsely Vegetated Concave Surface (B	· — · · ·	.5)	FAC-Neutral Test (I			
Field Observations:				30)		
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:			
Remarks:						

### **VEGETATION** – Use scientific names of plants.

	Absolute	Dominant	Indicator			
ree Stratum (Plot size: 30' )	% Cover	Species?	Status	Dominance Test worksheet:		
Rhamnus cathartica	35	Yes	FAC	Number of Dominant Species		
Pinus strobus	20	Yes	FACU_	That Are OBL, FACW, or FAC:3 (A)		
Prunus serotina	15	Yes	<u>FACU</u>	Total Number of Dominant		
l				Species Across All Strata: 8 (B)		
j				Percent of Dominant Species		
S				That Are OBL, FACW, or FAC: 37.5% (A/B		
				Prevalence Index worksheet:		
	70	=Total Cover		Total % Cover of: Multiply by:		
Sapling/Shrub Stratum (Plot size:15')				OBL species 0 x 1 = 0		
. Rhamnus cathartica	25	Yes	FAC	FACW species 0 x 2 = 0		
2. Lonicera morrowii	10	Yes	FACU	FAC species65 x 3 =195		
3				FACU species 58 x 4 = 232		
l				UPL species10 x 5 =50		
j				Column Totals: 133 (A) 477 (B		
5.				Prevalence Index = B/A = 3.59		
· · · · · · · · · · · · · · · · · · ·				Hydrophytic Vegetation Indicators:		
	35	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation		
Herb Stratum (Plot size: 5' )		•		2 - Dominance Test is >50%		
. Erythronium americanum	10	Yes	UPL	3 - Prevalence Index is ≤3.0 <sup>1</sup>		
2. Lonicera morrowii	5	Yes	FACU	4 - Morphological Adaptations <sup>1</sup> (Provide supporting		
3. Toxicodendron radicans	5	Yes	FAC	data in Remarks or on a separate sheet)		
Maianthemum canadense	3	No	FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)		
5. Fragaria virginiana	2	No	FACU	Indicators of hydric soil and wetland hydrology must 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				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		
	25	=Total Cover		of size, and woody plants less than 3.28 ft tall.		
Noody Vine Stratum (Plot size: 30')		•		Mandy vines All woody vines greater than 2.29 ft is		
Vitis aestivalis	3	No	FACU	<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.		
2.						
3.				Hydrophytic		
l.				Vegetation Present? Yes No X		
	3	=Total Cover				
	0	- I Otal Oovel				

SOIL Sampling Point Upl P4-E-5

Profile Desc Depth	ription: (Describe t Matrix	to the de		<b>ument th</b> x Feature		ator or co	onfirm the absence of i	ndicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Rem	narks
0-10	10YR 3/2	100			<u>- 772 - </u>		Loamy/Clayey		
10-16	10YR 3/3	100					Loamy/Clayey		
10-10	10113/3	100					Loanly/Clayey		
							_		_
	ncentration, D=Depl	etion, RN	/I=Reduced Matrix, N	/IS=Masl	ked Sand	d Grains.		Pore Lining, M=N	
Hydric Soil I								Problematic Hyd	
Histosol	` '		Dark Surface (	,	(00) (			k (A10) (LRR K, L	•
	ipedon (A2)		Polyvalue Belo		ce (S8) (I	LRR R,		irie Redox (A16) (	•
Black His	n Sulfide (A4)		MLRA 149B Thin Dark Surf	,	(I DD D	MI DA 1		ky Peat or Peat (S Below Surface (S	83) (LRR K, L, R)
	Layers (A5)		High Chroma S		-			Surface (S9) ( <b>LR</b>	
	Below Dark Surface	(A11)	Loamy Mucky	-					12) ( <b>LRR K, L, R</b> )
	rk Surface (A12)	( )	Loamy Gleyed			, _,		-	F19) ( <b>MLRA 149B</b> )
	oodic (A17)		Depleted Matri		,				outside MLRA 145)
(MLR	A 144A, 145, 149B)		Redox Dark Su	ırface (F	6)		Very Shall	ow Dark Surface	(F22)
Sandy M	ucky Mineral (S1)		Depleted Dark	Surface	(F7)		Other (Exp	olain in Remarks)	
	leyed Matrix (S4)		Redox Depress		8)		2		
	edox (S5)		Marl (F10) ( <b>LR</b>					of hydrophytic ve	=
Stripped	Matrix (S6)		Red Parent Ma	aterial (F	21) <b>(MLF</b>	RA 145)		hydrology must b	
Postriotivo I	.ayer (if observed):						uniess d	listurbed or proble	ematic.
Type:	.ayer (ii observeu).								
-	-h\.						Unadaia Cail Dasasant	2 V	No. V
Depth (in							Hydric Soil Present	? Yes	No_X
Remarks:									



**Upland P4-E - View facing west.** 



**Upland P4-E - 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 - Segment 6 - Package 4A		City/County: Ballston/ Saratoga	Sampling Date: <u>04/13/2023</u>
Applicant/Owner: TDI		State: NY	Sampling Point: Wet P4-F-7
Investigator(s): C.Scrivner & C. Einstein		Section, Township, Range:	<u> </u>
Landform (hillside, terrace, etc.): Depression	l ocal re	elief (concave, convex, none): Concave	Slope %: 3
Subregion (LRR or MLRA): LRR R	Lat: 42.946067° N	Long: -73.862676° W	Datum: NAD83
Soil Map Unit Name: BvB: Broadalbin-Manlius			
· · · · · · · · · · · · · · · · · · ·			
Are climatic / hydrologic conditions on the site ty	•		, explain in Remarks.)
Are Vegetation, Soil, or Hydrolog	gy significantly disturbe	ed? Are "Normal Circumstances" pres	ent? Yes x No
Are Vegetation, Soil, or Hydrolog	gynaturally problemati	ic? (If needed, explain any answers ir	n Remarks.)
SUMMARY OF FINDINGS – Attach si	te map showing samp	ling point locations, transects, im	portant features, etc.
Hydraphytia Vagatatian Present?	/oo V No	In the Compled Area	
, , , ,	es X No	Is the Sampled Area within a Wetland? Yes X	No
	es X No	If yes, optional Wetland Site ID: Near fla	
Remarks: (Explain alternative procedures here		ir you, optional violatid dito iz.	9
Shrub swamp.	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 Crack	s (B6)
X Surface Water (A1)	Water-Stained Leaves (BS	9) Drainage Patterns	(B10)
X High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (F	316)
X Saturation (A3)	Marl Deposits (B15)	Dry-Season Water	Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C	Crayfish Burrows (	C8)
Sediment Deposits (B2)	Oxidized Rhizospheres or	Living Roots (C3) Saturation Visible	on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iron	· ·	d Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in	Tilled Soils (C6) X Geomorphic Positi	on (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (	
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks	<u>—</u>	
Sparsely Vegetated Concave Surface (B8)		X FAC-Neutral Test	(D5)
Field Observations:			
	No Depth (inches): _		
	No Depth (inches): _		
	No Depth (inches): _	0 Wetland Hydrology Present?	Yes X No
(includes capillary fringe)			
Describe Recorded Data (stream gauge, monit	oring well, aerial photos, previ	lous inspections), if available:	
Remarks:			
Nomano.			

### **VEGETATION** – Use scientific names of plants.

Tree Stratum (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
<ol> <li>Fraxinus pennsylvanica</li> <li>2.</li> </ol>	20	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)
3				Total Number of Dominant Species Across All Strata: 5 (B)
5				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)
7.				Prevalence Index worksheet:
	20	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15' )		<del>-</del>		OBL species 5 x 1 = 5
Cornus racemosa	40	Yes	FAC	FACW species 70 x 2 = 140
2. Rhamnus cathartica	25	Yes	FAC	FAC species 65 x 3 = 195
3. Lonicera morrowii	15	No	FACU	FACU species 15 x 4 = 60
4.				UPL species 0 x 5 = 0
5.				Column Totals: 155 (A) 400 (B)
6.				Prevalence Index = B/A = 2.58
7				Hydrophytic Vegetation Indicators:
	80	=Total Cover		Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' )	- 60	= Total Cover		X 2 - Dominance Test is >50%
	25	Vaa	EAC\\\	l— ,
Phragmites australis	35	Yes	FACW	X 3 - Prevalence Index is ≤3.0¹
2. Onoclea sensibilis	15 	Yes	FACW	4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
3. Lythrum salicaria	5	<u>No</u>	OBL	
4.		· ———		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. 6.				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8.				
9.				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10.		-		Canling/obrub Woody plants loss than 3 in DDL
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
	55	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30')		•		
1				<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.
				Total State
2				Hydrophytic
				Vegetation Present? Yes X No
4.		T-1-1-0		Present?
		=Total Cover		
Remarks: (Include photo numbers here or on a separa	ate sheet.)			

Sampling Point: Wet P4-F-7

SOIL Sampling Point: Wet P4-F-7

		o the de		ment the x Feature		tor or co	nfirm the absence of	indicators.)
Depth (inches)	Matrix Color (moist)	%	Color (moist)	% realure	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-10	10YR 3/1	80	10YR 4/6	20	C	M	Loamy/Clayey	Prominent redox concentrations
10-18	10VR 4/1	60	10VR 5/6	40		M		
10-18	10YR 4/1	60	10YR 5/6	40		M	Loamy/Clayey	Prominent redox concentrations
<sup>1</sup> Type: C=Co	ncentration, D=Deple	etion, RM	I=Reduced Matrix, M	 1S=Mask	ed Sand	Grains.	<sup>2</sup> Location: P	L=Pore Lining, M=Matrix.
Black His Hydroger Stratified X Depleted Thick Dan Mesic Sp (MLR/ Sandy Mi Sandy Gl Sandy Re Stripped	(A1) ipedon (A2)	(A11)	Dark Surface (1) Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I Loamy Gleyed X Depleted Matrix X Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR Red Parent Ma	ow Surface  Sands (S9) Sands (S Mineral ( Matrix (F3) urface (F0 Surface sions (F8 R K, L)	(LRR R 11) (LRF F1) (LRF F2) 6) (F7)	, MLRA 1 R K, L) R K, L)	2 cm Mu Coast Pr 5 cm Mu 49B) Polyvalu Thin Dar Iron-Mar Piedmor Red Par Very Sha Other (E	or Problematic Hydric Soils <sup>3</sup> :  ack (A10) (LRR K, L, MLRA 149B)  rairie Redox (A16) (LRR K, L, R)  acky Peat or Peat (S3) (LRR K, L, R)  be Below Surface (S8) (LRR K, L)  rk Surface (S9) (LRR K, L)  anganese Masses (F12) (LRR K, L, R)  at Floodplain Soils (F19) (MLRA 149B)  bent Material (F21) (outside MLRA 145)  allow Dark Surface (F22)  explain in Remarks)  are of hydrophytic vegetation and  and hydrology must be present,  as disturbed or problematic.
Type: _ Depth (in	ches):						Hydric Soil Preser	nt? Yes <u>X</u> No
Remarks:								



Wetland P4-F - View facing northwest.



Wetland P4-F - 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 - Segment 6 - Package	4A	City/County: Ballston/ Saratoga	Sampling Date: 04/13/2023
Applicant/Owner: TDI		State: NY	Sampling Point: Upl P4-F-7
Investigator(s): C.Scrivner & C. Einstein		Section, Township, Range:	<u> </u>
Landform (hillside, terrace, etc.): Flat	l ocal re	elief (concave, convex, none): None	Slope %: 0
· · · · · · · · · · · · · · · · · · ·	Lat: 42.946005° N	· ·	Datum: NAD83
Subregion (LRR or MLRA): LRR R		Long: -73.862725° W	<del></del>
Soil Map Unit Name: BvB: Broadalbin-Manl	ius-ivassau, compiex, undulating	MWI classification:	NA
Are climatic / hydrologic conditions on the site	e typical for this time of year?	Yes x No (If no,	explain in Remarks.)
Are Vegetation, Soil, or Hydr	ology significantly disturb	ped? Are "Normal Circumstances" pres	ent? Yes x No
Are Vegetation, Soil, or Hydr	ology naturally problemat	tic? (If needed, explain any answers in	Remarks.)
SUMMARY OF FINDINGS – Attach	site map showing samp	oling point locations, transects, im	portant features, etc.
			-
Hydrophytic Vegetation Present?	Yes No X Yes No X	Is the Sampled Area	Na V
Hydric Soil Present?		within a Wetland? Yes	No X
Wetland Hydrology Present?	Yes No _X	If yes, optional Wetland Site ID:	
Remarks: (Explain alternative procedures h	ere or in a separate report.)		
Unpaved road/path.			
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indicators (r	minimum of two required)
Primary Indicators (minimum of one is requi	red; check all that apply)	Surface Soil Crack	s (B6)
Surface Water (A1)	Water-Stained Leaves (B	99) Drainage Patterns	(B10)
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (E	316)
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	n Living Roots (C3)Saturation Visible of	on Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iro	n (C4)Stunted or Stresse	d Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in	Tilled Soils (C6) Geomorphic Position	on (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (I	D3)
Inundation Visible on Aerial Imagery (B7	7)Other (Explain in Remark	(s)Microtopographic F	Relief (D4)
Sparsely Vegetated Concave Surface (I	38)	FAC-Neutral Test (	D5)
Field Observations:			
Surface Water Present? Yes	No X Depth (inches):		
Water Table Present? Yes Saturation 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, mo	onitoring well, aerial photos, prev	vious inspections), if available:	
Remarks:			

### **VEGETATION** – Use scientific names of plants.

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: (A)
3. 4.				Total Number of Dominant Species Across All Strata:(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:)				OBL species 0 x 1 = 0
1				FACW species 0 x 2 = 0
2				FAC species 0 x 3 = 0
3				FACU species 20 x 4 = 80
4				UPL species0 x 5 =0
5				Column Totals: 20 (A) 80 (B)
6.				Prevalence Index = B/A = 4.00
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	10	Yes	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Plantago lanceolata	10	Yes	FACU	4 - Morphological Adaptations (Provide supporting
3.				data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
<ul><li>5.</li><li>6.</li></ul>				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8.				
9.				<b>Tree</b> – 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				Herb – All herbaceous (non-woody) plants, regardless
	20	=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
		· ——		Vegetation No. V
4.				Present?
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

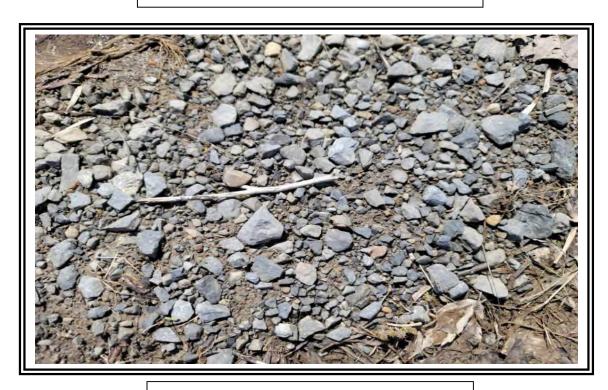
Sampling Point: Upl P4-F-7

SOIL Sampling Point: Upl P4-F-7

	-	o the dep				or or co	nfirm the absence of i	ndicators.)		
Depth (inches)	Matrix	0/		x Featur		Loc <sup>2</sup>	Touturo	D	l a ma a rika	
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc	Texture	K	emarks	
1- 0.0			5 1 111 11 11			<del></del>	21			
	ncentration, D=Deple	etion, RM	=Reduced Matrix, M	IS=Mask	ed Sand	Grains.		=Pore Lining, N		
Hydric Soil Ir				<b></b> \				r Problematic H	-	
Histosol (			Dark Surface (		.= - \				K, L, MLRA 149B)	
	pedon (A2)		Polyvalue Belo		ce (S8) ( <b>I</b>	RR R,			6) (LRR K, L, R)	
Black His	tic (A3)		MLRA 149B	)			5 cm Mud	ky Peat or Peat	t (S3) ( <b>LRR K, L, R</b> )	
Hydroger	n Sulfide (A4)		Thin Dark Surfa	ace (S9)	(LRR R,	MLRA 1	<b>49B</b> ) Polyvalue	Below Surface	(S8) (LRR K, L)	
Stratified	Layers (A5)		High Chroma S	Sands (S	11) (LRF	R K, L)	Thin Dark	Surface (S9) (I	LRR K, L)	
Depleted	Below Dark Surface	(A11)	Loamy Mucky I	Mineral (	(F1) ( <b>LRF</b>	R K, L)	Iron-Man	ganese Masses	(F12) ( <b>LRR K, L, R</b> )	
Thick Da	rk Surface (A12)		Loamy Gleyed	Matrix (F	F2)		Piedmont	Floodplain Soil	ls (F19) ( <b>MLRA 149B</b> )	
Mesic Sp	odic (A17)		Depleted Matrix	x (F3)			Red Pare	nt Material (F21	) (outside MLRA 145)	
	A 144A, 145, 149B)		Redox Dark Su		6)			llow Dark Surfac		
•	ucky Mineral (S1)		Depleted Dark					plain in Remark		
	eyed Matrix (S4)		Redox Depress		` '			piani in Roman	,	
	edox (S5)		Marl (F10) (LR	,	<i>)</i>		<sup>3</sup> Indicator	e of hydrophytic	vegetation and	
					24) <b>/MI</b> E	A 44E)	<sup>3</sup> Indicators of hydrophytic vegetation and			
Surpped	Matrix (S6)		Red Parent Ma	iteriai (F.	∠ 1) (WILR	A 145)	wetland hydrology must be present, unless disturbed or problematic.			
							unless	disturbed or pro	blematic.	
	ayer (if observed):									
Type:	Roack/gra	avel fill								
Depth (in	ches):	0					Hydric Soil Present	? Yes	No X	
Remarks:	<u> </u>									
Remarks:										



**Upland P4-F - View facing west.** 



**Upland P4-F - 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 - Segment 6 - Package 4A	City/County: Ballston/ Saratoga Sampling Date: 04/13/2023
Applicant/Owner: TDI	State: NY Sampling Point: Wet P4-G-12
Investigator(s): C.Scrivner & C. Einstein	Section, Township, Range:
Landform (hillside, terrace, etc.): Depression	Local relief (concave, convex, none): Concave Slope %: 2
· · · · · · · · · · · · · · · · · · ·	
Subregion (LRR or MLRA): LRR R Lat: 42.945000	
Soil Map Unit Name: MxB: Mosherville-Hornell complex, undulating	<del></del>
Are climatic / hydrologic conditions on the site typical for this time of y	vear? Yes x No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrologysignificantl	y disturbed? Are "Normal Circumstances" present? Yes x No
Are Vegetation, Soil, or Hydrology naturally p	roblematic? (If needed, explain any answers in Remarks.)
SUMMARY OF FINDINGS – Attach site map showing	g 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 P4-G-12
Remarks: (Explain alternative procedures here or in a separate rep	ort.)
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 Lo	eaves (B9) X Drainage Patterns (B10)
X High Water Table (A2) Aquatic Fauna (E	Moss Trim Lines (B16)
X Saturation (A3) Marl Deposits (B	15) Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Sulfide	Odor (C1) Crayfish Burrows (C8)
Sediment Deposits (B2)  X Oxidized Rhizosp	oheres 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 Red	uction in 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 (i	nches):
Water Table Present? Yes X No Depth (i	nches):6
Saturation Present? Yes X No Depth (i	nches): 0 Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial pho	tos, previous 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:
Fraxinus pennsylvanica	65	Yes	FACW	
Quercus bicolor	20	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC: 6 (A)
3. Acer rubrum	10	No	FAC	
4				Total Number of Dominant Species Across All Strata:  6 (B)
5				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC:100.0%(A/B)
7				Prevalence Index worksheet:
	95	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:)				OBL species x 1 = 20
1. Cornus racemosa	10	Yes	FAC	FACW species 122 x 2 = 244
2. Cornus amomum	10	Yes	FACW	FAC species 20 x 3 = 60
3. Lonicera morrowii	6	No	FACU	FACU species11 x 4 =44
4. Rosa multiflora	5	No	FACU	UPL species0 x 5 =0
5. Fraxinus pennsylvanica	5	No	FACW	Column Totals: 173 (A) 368 (B)
6. Quercus bicolor	2	No	FACW	Prevalence Index = B/A = 2.13
7.				Hydrophytic Vegetation Indicators:
	38	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' )				X 2 - Dominance Test is >50%
1. Carex stricta	20	Yes	OBL	X 3 - Prevalence Index is ≤3.0 <sup>1</sup>
Onoclea sensibilis	20	Yes	FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3.				data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5 6.				<sup>1</sup> 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:)				Woody vines – All woody vines greater than 3.28 ft in
1				height.
2				
				Hydrophytic Vegetation
3.				Present? Yes X No
3 4				

Sampling Point: Wet P4-G-12

SOIL Sampling Point: Wet P4-G-12

Profile Desci Depth	ription: (Describe to Matrix	o the dep		ment the x Feature		or or co	nfirm the absence of	indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-12	10YR 3/2	90	10YR 4/6	10	C	PL	Loamy/Clayey	Prominent redox concentrations
12-18	10VP 3/1	80	10VP 4/6	20		<u></u>	Loamy/Clayey	Prominent reday concentrations
12-18	10YR 3/1		10YR 4/6			_M	Loamy/Clayey	Prominent redox concentrations
	ncentration, D=Deple	etion, RM	=Reduced Matrix, M	1S=Mask	ed Sand	Grains.		L=Pore Lining, M=Matrix.
Black His Hydroger Stratified Depleted Thick Dan Mesic Sp (MLRA Sandy Mesic Sandy Reserved) Stripped	ipedon (A2) stic (A3) n Sulfide (A4) Layers (A5) Below Dark Surface rk Surface (A12) sodic (A17) A 144A, 145, 149B) ucky Mineral (S1) seyed Matrix (S4) edox (S5) Matrix (S6)	(A11)	Dark Surface (i Polyvalue Belo MLRA 149B Thin Dark Surfa High Chroma S Loamy Mucky I Loamy Gleyed Depleted Matri X Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR Red Parent Ma	ow Surface  Face (S9)  Sands (S  Mineral (  Matrix (F  ix (F3)  urface (F6  Surface  sions (F8  RR K, L)	(LRR R 11) (LRF F1) (LRF F2) 6) (F7)	, MLRA 1 R K, L) R K, L)	2 cm Mu Coast Pr 5 cm Mu 49B) Polyvalu Thin Dar Iron-Mar Piedmor Red Par Very Sha Other (E	or Problematic Hydric Soils <sup>3</sup> :  ack (A10) (LRR K, L, MLRA 149B)  rairie Redox (A16) (LRR K, L, R)  acky Peat or Peat (S3) (LRR K, L, R)  be Below Surface (S8) (LRR K, L)  ack Surface (S9) (LRR K, L)  anganese Masses (F12) (LRR K, L, R)  at Floodplain Soils (F19) (MLRA 149B)  ent Material (F21) (outside MLRA 145)  allow Dark Surface (F22)  axplain in Remarks)  ars of hydrophytic vegetation and  and hydrology must be present,  as disturbed or problematic.
Type:	ayer (if observed):							
Depth (in	ches):						Hydric Soil Preser	nt? Yes X No
Remarks:								



Wetland P4-G - View facing south.



Wetland P4-G - 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 - Segment 6 - Package	4A	City/County: Ballston/ Saratoga	Sampling Date: 04/13/2023
Applicant/Owner: TDI		State: NY	Sampling Point: Upl P4-G
Investigator(s): C.Scrivner & C. Einstein		Section, Township, Range:	
Landform (hillside, terrace, etc.): Terrace	l ocal re	elief (concave, convex, none): Concave	Slope %: 2
`			Datum: NAD83
Subregion (LRR or MLRA): LRR R	Lat: 42.945198° N	Long: -73.863521° W	
Soil Map Unit Name: MxB: Mosherville-Horn	neil complex, undulating	NWI classification:	NA
Are climatic / hydrologic conditions on the site	e typical for this time of year?	Yes x No (If no,	explain in Remarks.)
Are Vegetation, Soil, or Hydro	ology significantly disturb	ped? Are "Normal Circumstances" prese	ent? Yes x No No
Are Vegetation, Soil, or Hydro	ologynaturally problemat	tic? (If needed, explain any answers in	Remarks.)
SUMMARY OF FINDINGS – Attach	site map showing samp	oling point locations, transects, im	portant features, etc.
			<u> </u>
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 h	ere or in a separate report.)		
Successional Northern hardwoods			
HYDROLOGY			
Wetland Hydrology Indicators:		Secondary Indicators (r	ninimum of two required)
Primary Indicators (minimum of one is requi	red; check all that apply)	Surface Soil Cracks	s (B6)
Surface Water (A1)	Water-Stained Leaves (B	Drainage Patterns	(B10)
High Water Table (A2)	Aquatic Fauna (B13)	Moss Trim Lines (B	16)
Saturation (A3)	Marl Deposits (B15)	Dry-Season Water	Table (C2)
Water Marks (B1)	Hydrogen Sulfide Odor (C	C1) Crayfish Burrows (0	C8)
Sediment Deposits (B2)	Oxidized Rhizospheres of	n Living Roots (C3) Saturation Visible of	n Aerial Imagery (C9)
Drift Deposits (B3)	Presence of Reduced Iro	n (C4)Stunted or Stressed	d Plants (D1)
Algal Mat or Crust (B4)	Recent Iron Reduction in	Tilled Soils (C6) Geomorphic Position	on (D2)
Iron Deposits (B5)	Thin Muck Surface (C7)	Shallow Aquitard (E	03)
Inundation Visible on Aerial Imagery (B7	7)Other (Explain in Remark	(s)Microtopographic R	telief (D4)
Sparsely Vegetated Concave Surface (E	38)	FAC-Neutral Test (	D5)
Field Observations:			
Surface Water Present? Yes	No X Depth (inches):		
Water Table Present? Yes Saturation Present? Yes	No X Depth (inches):		
Saturation Present? Yes	No X Depth (inches):	Wetland Hydrology Present?	Yes NoX
(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.

	Absolute	Dominant	Indicator				
ree Stratum (Plot size:)	% Cover	Species?	Status	Dominance Test worksheet:			
Quercus rubra	35	Yes	FACU	Number of Dominant Species			
Quercus alba	20	Yes	FACU	That Are OBL, FACW, or FAC:3 (A)			
Pinus strobus	15	No	FACU	Total Number of Dominant			
Prunus serotina	10	No	FACU	Species Across All Strata: 9 (B)			
Carya ovata	10	No	FACU	Percent of Dominant Species			
				That Are OBL, FACW, or FAC: 33.3% (A/			
				Prevalence Index worksheet:			
	90	=Total Cover		Total % Cover of: Multiply by:			
apling/Shrub Stratum (Plot size:15'	)			OBL species 0 x 1 = 0			
Rhamnus cathartica	15	Yes	FAC	FACW species 0 x 2 = 0			
Quercus rubra	10	Yes	FACU	FAC species 30 x 3 = 90			
Lonicera morrowii	10	Yes	FACU	FACU species 150 x 4 = 600			
				UPL species 0 x 5 = 0			
				Column Totals: 180 (A) 690 (			
				Prevalence Index = B/A = 3.83			
				Hydrophytic Vegetation Indicators:			
	35	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
erb Stratum (Plot size: 5' )		•		2 - Dominance Test is >50%			
. Alliaria petiolata	25	Yes	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>			
. Toxicodendron radicans	10	Yes	FAC	4 - Morphological Adaptations <sup>1</sup> (Provide support			
Lonicera morrowii	10	Yes	FACU	data in Remarks or on a separate sheet)			
Parthenocissus quinquefolia	5	No	FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
- Taraneneesee gamiquerena	<u> </u>			_			
·	· <del></del>			<sup>1</sup> Indicators of hydric soil and wetland hydrology must present, unless disturbed or problematic.			
				Definitions of Vegetation Strata:			
·				Definitions of Vegetation Strata.			
				<b>Tree</b> – Woody plants 3 in. (7.6 cm) or more in diame at breast height (DBH), regardless of height.			
				at breast neight (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		T		Herb – All herbaceous (non-woody) plants, regardle			
/	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			
. Toxicodendron radicans	5	Yes	FAC	height.			
·	<u> </u>			Hydrophytic			
·				Vegetation			
·				Present? Yes No X			
	5	=Total Cover					

Soll Sampling Point: Upl P4-G

	-	o the de				or or co	nfirm the absence of ir	idicators.)	
Depth (inches)	Matrix Color (moist)	%	Color (moist)	x Featur %	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	F	Remarks
0-13	10YR 4/3	100			. )   0		Loamy/Clayey	<u> </u>	tomano
13-17	10YR 4/4	100					Loamy/Clayey		
	ncentration, D=Depl	etion, RM	=Reduced Matrix, M	IS=Mask	ked Sand	Grains.	<sup>2</sup> Location: PL		
Hydric Soil I			5.10.6.6	07/					Hydric Soils <sup>3</sup> :
Histosol (			Dark Surface (S	,	oo (CO) (I	DD D		. , ,	K, L, MLRA 149B)
Black His	ipedon (A2)		MLRA 149B)		ce (36) (I	-KK K,			6) (LRR K, L, R) at (S3) (LRR K, L, R)
	n Sulfide (A4)		Thin Dark Surfa	,	(LRR R.	MLRA 1		-	e (S8) (LRR K, L)
	Layers (A5)		High Chroma S					Surface (S9) (	
	Below Dark Surface	e (A11)	Loamy Mucky N						s (F12) ( <b>LRR K, L, R</b> )
Thick Da	rk Surface (A12)		Loamy Gleyed	Matrix (f	F2)		Piedmont	Floodplain So	ils (F19) ( <b>MLRA 149B</b> )
Mesic Sp	oodic (A17)		Depleted Matrix	x (F3)			Red Pare	nt Material (F2	1) <b>(outside MLRA 145)</b>
(MLR	A 144A, 145, 149B)		Redox Dark Su					low Dark Surfa	
	ucky Mineral (S1)		Depleted Dark				Other (Ex	plain in Remar	ks)
	leyed Matrix (S4)		Redox Depress		8)		31	Charles a back	
	edox (S5) Matrix (S6)		Marl (F10) ( <b>LR</b> l Red Parent Ma		21) /MI E	0		s of nyaropnytii hydrology mu	c vegetation and
Suipped	Matrix (30)		Red Falent Ma	iteriai (F.	21) (IVILI	A 143)		disturbed or pr	•
Restrictive L	.ayer (if observed):						unic33	disturbed or pro	obiematic.
Type:	, (								
Depth (in	iches):						Hydric Soil Present	? Yes	. No X
Remarks:									



Upland P4-G - View facing west.



**Upland P4-G - Soils** 

# **SITE PHOTOGRAPHS**

### WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE-Whites I	Beach Road-MP 163.3	City/County: Ballston/ Sara	ntoga	Sampling Date: 4/14/2023
Applicant/Owner: CHPE		<u> </u>	State:	NY Sampling Point: GP4-H-Wet
Investigator(s): K. Weiskotte	en. K. Schumacher	Section, Township, Range:	Ballston	
	c.): Drumlinoid ridges till plains	Local relief (concave, convex,		Slope (%):
•	RR R, MLRA 144A Lat: 42° 56' 30"	_ `	73° 51' 50"	
Soil Map Unit Name: Broadall		Long		ication: PFO
	itions on the site typical for this time o	of year? Yes X No.	( <b>I</b> f no, explain	
, ,	, or Hydrologysignific	· — -		
	, or Hydrologynaturall		explain any answers	<del></del>
	GS – Attach site map showir		ions, transects,	important features, etc.
Hydrophytic Vegetation Pres	ent? Yes X No	Is the Sampled Area		
Hydric Soil Present?	Yes X No	within a Wetland?	Yes X	No
Wetland Hydrology Present?		<ul><li>If yes, optional Wetland</li></ul>		_
		,		
HYDROLOGY				
Wetland Hydrology Indicate	ors:		Secondary Indic	cators (minimum of two required)
Primary Indicators (minimum	of one is required; check all that app	ly)	Surface So	il Cracks (B6)
X Surface Water (A1)	_X_Water-Stair	ned Leaves (B9)	X Drainage P	atterns (B10)
High Water Table (A2)	Aquatic Fau	una (B13)		Lines (B16)
Saturation (A3)	Marl Depos	its (B15)	Dry-Seasor	n Water Table (C2)
Water Marks (B1)	Hydrogen S	Sulfide Odor (C1)	Crayfish Bu	` '
Sediment Deposits (B2)	Oxidized Rh	nizospheres on Living Roots (C	3) Saturation \	Visible on Aerial Imagery (C9)
Drift Deposits (B3)		f Reduced Iron (C4)		Stressed Plants (D1)
Algal Mat or Crust (B4)		Reduction in Tilled Soils (C6)		c Position (D2)
Iron Deposits (B5)	<del></del>	Surface (C7)	Shallow Aq	, ,
Inundation Visible on Ae	rial Imagery (B7) Other (Expl	ain in Remarks)		raphic Relief (D4)
Sparsely Vegetated Con	cave Surface (B8)		X FAC-Neutra	al Test (D5)
Field Observations:				
Surface Water Present?	Yes X No Depth (inc			
Water Table Present?	Yes No X Depth (inc			
Saturation Present?	Yes X No Depth (inc	ches): 0 Wetland	Hydrology Present	? Yes X No
(includes capillary fringe)				
Describe Recorded Data (str	eam gauge, monitoring well, aerial ph	notos, previous inspections), if a	ivaliable:	
Remarks:				
There was water 6 inches fro	om the top of the hole			
There was water o mones no	The top of the hole.			

### **VEGETATION** – Use scientific names of plants.

<b>/EGETATION</b> – Use scientific names of pla	Sampling P	oint: <u>GP4-H-</u>	Wet			
Tree Stratum (Plot size: 30' )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
1. Acer saccharinum	15	Yes	FACW	Number of Dominant Species		
2. Acer rubrum	10	Yes	FAC	That Are OBL, FACW, or FAC:	7	_(A)
3. Fraxinus americana	10	Yes	FACU	Total Number of Dominant		
4. Ulmus americana	10	Yes	FACW	Species Across All Strata:	9	(B)
5.				Percent of Dominant Species		_
6.		-		That Are OBL, FACW, or FAC:	77.8%	(A/B)
7.				Prevalence Index worksheet:		
	45	=Total Cover		Total % Cover of:	Multiply by:	
Sapling/Shrub Stratum (Plot size: 15' )		•		OBL species	χ1 =	
1. Lonicera tatarica	5	Yes	FACU	FACW species	(2 =	
2. Rhamnus cathartica	5	Yes	FAC		3 =	
3.					(4 =	
4.				· —	 (5 =	_
5.					A)	— (B)
6				Prevalence Index = B/A		(
7.				Hydrophytic Vegetation Indica		
··	10	=Total Cover		1 - Rapid Test for Hydrophy		
Herb Stratum (Plot size: 5' )		- 10141 00101		X 2 - Dominance Test is >50%	_	
Onoclea sensibilis	10	Yes	FACW	3 - Prevalence Index is ≤3.0		
			FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supporting		
2. Osmundastrum cinnamomeum	10	Yes	FACW	data in Remarks or on a s		
3		- ——			,	
4		- —		Problematic Hydrophytic Ve	egetation (Expl	aın)
5 6				<sup>1</sup> Indicators of hydric soil and we be present, unless disturbed or		must
7				Definitions of Vegetation Stra	ta:	
8				Tree – Woody plants 3 in. (7.6 c	m) or more in d	diameter
9.				at breast height (DBH), regardle		nametei
10.				Sapling/shrub – Woody plants	loce than 2 in 1	UBU
11.				and greater than or equal to 3.2		ווטכ
12.				Harb All barbasassa (nan usa	adu) alamta wasu	معطاممم
	20	=Total Cover		Herb – All herbaceous (non-wood of size, and woody plants less the		ardiess
Woody Vine Stratum (Plot size: 15' )		•				00 (1)
1. Toxicodendron radicans	5	Yes	FAC	Woody vines – All woody vines height.	greater than 3.	.28 ft in
2.						
3.				Hydrophytic		
4.				Vegetation Present? Yes X	No	
	5	=Total Cover		Tresent: Tes_X	_ 110	
		Total Cover		1		

SOIL Sampling Point: GP4-H-Wet

	escription: (Describe t	o the de	-			or or con	firm the absence	of indicators.)
Depth	Matrix			Feature		. 2		
(inches)	Color (moist)	<u></u> %	Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-16	10YR 2/1	90	10YR 3/6	10	C	M	Loamy/Clayey	Prominent redox concentrations
			_					
<sup>1</sup> Type: C=	Concentration, D=Deple	etion, RN	/I=Reduced Matrix, C	S=Cover	ed or Coa	ited Sand	l Grains. <sup>2</sup> Lo	cation: PL=Pore Lining, M=Matrix.
	il Indicators:							or Problematic Hydric Soils <sup>3</sup> :
	sol (A1)		Polyvalue Below	Surface	(S8) ( <b>LR</b>	R R,	2 cm Mu	ick (A10) ( <b>LRR K, L, MLRA 149B</b> )
	Epipedon (A2)	•	MLRA 149B)					rairie Redox (A16) ( <b>LRR K, L, R</b> )
	Histic (A3)		Thin Dark Surfac	e (S9) (	LRR R, M	LRA 149		icky Peat or Peat (S3) ( <b>LRR K, L, R</b> )
— Hydro	gen Sulfide (A4)	•	—— High Chroma Sa					e Below Surface (S8) (LRR K, L)
	fied Layers (A5)	•	Loamy Mucky M					k Surface (S9) ( <b>LRR K, L</b> )
	ted Below Dark Surface	(A11)	Loamy Gleyed M			,		nganese Masses (F12) ( <b>LRR K, L, R</b> )
	Dark Surface (A12)	` ′ •	Depleted Matrix		•			nt Floodplain Soils (F19) ( <b>MLRA 149B</b> )
	y Mucky Mineral (S1)	•	X Redox Dark Surf	ace (F6)	)			podic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
	y Gleyed Matrix (S4)	•	—— Depleted Dark S					ent Material (F21)
	Redox (S5)	•	Redox Depression	ons (F8)	•			allow Dark Surface (TF12)
Stripp	ed Matrix (S6)	•	Marl (F10) ( <b>LRR</b>	<b>K</b> , <b>L</b> )				xplain in Remarks)
	Surface (S7)	•						· ·
	,							
<sup>3</sup> Indicators	of hydrophytic vegetati	on and w	etland hydrology mus	st be pre	esent, unle	ess distur	bed or problematic	
	e Layer (if observed):		, 0,				İ	
Type:	• , ,							
Depth (ii	nches):						Hydric Soil Pre	esent? Yes X No
							Tiyane con i i	<u> </u>
Remarks:	forms in marriand from Nor	+h +	Land North cost Desig	and Cum	nlamant\	/araian O	O to moffeet the ND	CC Field Indicators of Hydric Caile
	form is revised from Nor 0 March 2013 Errata. (hi							CS Field Indicators of Hydric Soils
VC131011 7.10	o March 2010 Errata. (III	(cp.// ** **	inios.asaa.gov/inion	icui ol_	_DOOO!VII		3142p2_001200.dc	) 



Wetland GP4-H-Wet



Wetland GP4-H-Wet- Soils

# SITE PHOTOGRAPHS

# G-P4A-H Upl

### WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE- Whites E	Beach Road- MP 163.3	C	City/County: Ballston/	Saratoga	Sampling Date:	4/14//2023
Applicant/Owner: CHPE				State:	— NY Sampling	Point: GP4-H-Up
Investigator(s): K. Weiskotten	. K. Schumacher		Section, Township, Ra			
Landform (hillside, terrace, etc.			• •	nvex, none): concave	Slo	ope (%):
Subregion (LRR or MLRA): LR	· -	<del>'</del>		ing: 73° 51' 50"	Datu	
Soil Map Unit Name: Broadalbi			5		sification: None	
		•	^			
Are climatic / hydrologic conditi	**	•			n in Remarks.)	
Are Vegetation, Soil _				ormal Circumstances" p	_	No
Are Vegetation, Soil _	<del></del>			ded, explain any answe	,	
SUMMARY OF FINDING	S – Attach site ma	p showing s	ampling point lo	cations, transects	s, important fea	atures, etc.
Hydrophytic Vegetation Prese	nt? Yes	No X	Is the Sampled A	ırea		
Hydric Soil Present?	Yes		within a Wetland		No X	
Wetland Hydrology Present?	Yes	No X	If yes, optional We			
Remarks: (Explain alternative			ļ			
Tromano. (Explain altonialis	procedures 11515 51 5.	ooparate rope,	,			
						l
HYDROLOGY						
Wetland Hydrology Indicato	rs:			Secondary Ind	icators (minimum o	f two required)
Primary Indicators (minimum		all that apply)			oil Cracks (B6)	
Surface Water (A1)		Water-Stained Le	eaves (B9)		Patterns (B10)	
High Water Table (A2)		Aquatic Fauna (E	` '		n Lines (B16)	
Saturation (A3)		Marl Deposits (B			on Water Table (C2	1
Water Marks (B1)		Hydrogen Sulfide	<i>'</i>	<del></del> ·	Burrows (C8)	<i>'</i>
Sediment Deposits (B2)			oheres on Living Root		ı Visible on Aerial <b>I</b> r	nagery (C9)
Drift Deposits (B3)		Presence of Red	•		r Stressed Plants (D	
Algal Mat or Crust (B4)			uction in Tilled Soils (		nic Position (D2)	,
Iron Deposits (B5)		Thin Muck Surface	,	· — ·	quitard (D3)	
Inundation Visible on Aeri		Other (Explain in			graphic Relief (D4)	
Sparsely Vegetated Conc	- · · · · —	\	,		ral Test (D5)	
Field Observations:	,				, ,	
Surface Water Present?	Yes No X	Depth (inches):				
Water Table Present?	Yes No X					
Saturation Present?	Yes No X			land Hydrology Preser	nt? Yes	No X
(includes capillary fringe)	100	Dopan (		min 11, 410.00, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,		
Describe Recorded Data (stre	am gauge, monitoring w	ell. aerial photos,	previous inspections	). if available:		
,	S 5	,	, ,	,,		
Remarks:						

**VEGETATION** – Use scientific names of plants. Sampling Point: GP4-H-Up Absolute Dominant Indicator Tree Stratum (Plot size: 30' ) % Cover **Dominance Test worksheet:** Species? Status Pinus strobus 25 FACU Yes **Number of Dominant Species** 2. That Are OBL, FACW, or FAC: (A) 3. **Total Number of Dominant** 4. Species Across All Strata: (B) 5. Percent of Dominant Species 6. That Are OBL, FACW, or FAC: 20.0% (A/B) Prevalence Index worksheet: Total % Cover of:\_\_\_\_ Sapling/Shrub Stratum (Plot size: 15' OBL species \_\_\_\_ x 1 = FACU Lonicera tatarica 15 FACW species \_\_\_\_\_ x 2 = \_\_\_\_ x 3 = Fraxinus americana 10 Yes **FACU** FAC species 3. FACU species \_\_\_\_ x 4 = 4. UPL species x 5 = 5. Column Totals: (B) (A) 6. Prevalence Index = B/A = **Hydrophytic Vegetation Indicators:** 25 =Total Cover 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: 2 - Dominance Test is >50% 10 \_ \_ FACU 3 - Prevalence Index is ≤3.0<sup>1</sup> Fragaria virginiana Yes Osmundastrum cinnamomeum **FACW** 4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) 3. 4. Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 5. <sup>1</sup>Indicators of hydric soil and wetland hydrology must 6. be present, unless disturbed or problematic. **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. 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 15 =Total Cover of size, and woody plants less than 3.28 ft tall. Woody Vine Stratum (Plot size: 15') Woody vines - All woody vines greater than 3.28 ft in 1. height. Hydrophytic Vegetation Present? Yes No X =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

**SOIL** Sampling Point: GP4-H-Up

Profile Description: (Describe to the de	=		dicator or	confir	n the absence of indi	cators.)
Depth Matrix		Features	1			
(inches) Color (moist) %	Color (moist)		pe <sup>1</sup> Lo	<u> </u>	Texture	Remarks
0-147.5YR 3/3100				L	.oamy/Clayey_	
	_					
						_
	_					
<sup>1</sup> Type: C=Concentration, D=Depletion, RM	/I=Reduced Matrix, CS	S=Covered o	r Coated	Sand G	rains. <sup>2</sup> Location:	PL=Pore Lining, M=Matrix.
Hydric Soil Indicators:						lematic Hydric Soils <sup>3</sup> :
Histosol (A1)	Polyvalue Below	Surface (S8)	) (LRR R.			0) (LRR K, L, MLRA 149B)
Histic Epipedon (A2)	MLRA 149B)	,	, ,			edox (A16) ( <b>LRR K, L, R</b> )
Black Histic (A3)	Thin Dark Surfac	e (S9) ( <b>LRR</b>	R. MLRA	(149B)		at or Peat (S3) ( <b>LRR K, L, R</b> )
Hydrogen Sulfide (A4)	High Chroma Sa					v Surface (S8) ( <b>LRR K, L</b> )
Stratified Layers (A5)	Loamy Mucky Mi					ce (S9) ( <b>LRR K, L</b> )
Depleted Below Dark Surface (A11)	Loamy Gleyed M		, L)			e Masses (F12) ( <b>LRR K, L, R</b> )
Thick Dark Surface (A12)	Depleted Matrix (					
<del></del>	<del></del>	` '				plain Soils (F19) ( <b>MLRA 149B</b> )
Sandy Mucky Mineral (S1)	Redox Dark Surf	` '				A6) (MLRA 144A, 145, 149B)
Sandy Gleyed Matrix (S4)	Depleted Dark S	` '			Red Parent Mat	
Sandy Redox (S5)	Redox Depression	, ,				ark Surface (TF12)
Stripped Matrix (S6)	Marl (F10) ( <b>LRR</b>	K, L)			Other (Explain i	n Remarks)
Dark Surface (S7)						
2						
<sup>3</sup> Indicators of hydrophytic vegetation and v	vetland hydrology mus	st be present	, unless d	listurbed	d or problematic.	
Restrictive Layer (if observed):						
Type:						
Depth (inches):					Hydric Soil Present?	Yes No X
Remarks:						
This data form is revised from Northcentra	Land Northeast Regio	onal Supplem	nent Versi	on 2 0 to	o reflect the NRCS Fiel	d Indicators of Hydric Soils
version 7.0 March 2013 Errata. (http://www						a indicators of rigans come
		_			,	



Upland GP4-H-Up



**Upland GP4-H-Up- Soils** 

# **SITE PHOTOGRAPHS**

# G-P4A-I Wet

### WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE- Whites Beach Road- MP 163.3	City/County: Ballston/ Saratoga Sampling Date: 4/14/2023
Applicant/Owner: CHPE	State: NY Sampling Point: GP4-I-Wet
Investigator(s): K. Weiskotten, K. Schumacher	Section, Township, Range: Ballston
Landform (hillside, terrace, etc.): Drumlinoid ridges, till plains	Local relief (concave, convex, none): concave Slope (%):
Subregion (LRR or MLRA): LRR R, MLRA 144A Lat: 42° 56' 25"	Long: 73° 51' 52" Datum:
Soil Map Unit Name: Broadalbin Manlius- Nassau complex	NWI classification: PFO
Are climatic / hydrologic conditions on the site typical for this time o	
Are Vegetation, Soil, or Hydrology signification	<del></del>
Are Vegetation , Soil , or Hydrology naturall	
	ng 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:
Remarks: (Explain alternative procedures here or in a separate re	port.)
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that appl	
X Surface Water (A1) X Water-Stain	ed Leaves (B9) X Drainage Patterns (B10)
High Water Table (A2) Aquatic Fau	
Saturation (A3) Marl Deposi	its (B15) Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen S	ulfide Odor (C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rh	nizospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3)	f Reduced Iron (C4) Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron	Reduction in Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck S	Surface (C7) Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Expla	ain in Remarks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
	hes):2
Water Table Present? Yes No _X Depth (inc	hes):
Saturation Present? Yes X No Depth (inc	hes): 0 Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial ph	otos, previous inspections), if available:
B. 4	
Remarks:	

### **VEGETATION** – Use scientific names of plants.

<b>/EGETATION</b> – Use scientific names of pla	Sampling Point: <u>GP4-I-Wet</u>				
<u>Tree Stratum</u> (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
1. Fraxinus americana	10	Yes	FACU_	Number of Dominant Species	
2. Ulmus americana	10	Yes	FACW_	That Are OBL, FACW, or FAC:	7 (A)
3. Acer rubrum	10	Yes	FAC	Total Number of Dominant	
4. Acer saccharinum	10	Yes	FACW	Species Across All Strata:	10 (B)
5. Populus deltoides	10	Yes	FAC	Percent of Dominant Species	
6.				That Are OBL, FACW, or FAC:	70.0% (A/B)
7.				Prevalence Index worksheet:	
	50	=Total Cover		Total % Cover of:	Multiply by:
Sapling/Shrub Stratum (Plot size: 15' )				OBL species x 1	=
1. Rhamnus cathartica	10	Yes	FAC	FACW species x 2	=
2. Lonicera tatarica	15	Yes	FACU	FAC species x 3	=
3. Fraxinus americana	10	Yes	FACU	FACU species x 4	=
4. Ulmus americana	10	Yes	FACW	UPL species x 5	=
5.				Column Totals: (A)	(B)
6.				Prevalence Index = B/A =	
7.				Hydrophytic Vegetation Indicato	
	45	=Total Cover		1 - Rapid Test for Hydrophytic	Vegetation
Herb Stratum (Plot size: 5' )		-		X 2 - Dominance Test is >50%	· ·
1. Onoclea sensibilis	20	Yes	FACW	3 - Prevalence Index is ≤3.0 <sup>1</sup>	
2.				4 - Morphological Adaptations	1 (Provide supporting
3.				data in Remarks or on a sep	
4.				Problematic Hydrophytic Vege	tation <sup>1</sup> (Explain)
5 6.				<sup>1</sup> Indicators of hydric soil and wetlar be present, unless disturbed or pro	
7.				Definitions of Vegetation Strata:	
8.				Tree – Woody plants 3 in. (7.6 cm)	or more in diameter
9.				at breast height (DBH), regardless	
10				Sapling/shrub – Woody plants les	se than 3 in DRH
11				and greater than or equal to 3.28 ft	
12.				Herb – All herbaceous (non-woody	() nlante regardless
	20	=Total Cover		of size, and woody plants less than	, , ,
Woody Vine Stratum (Plot size:)  1.				Woody vines – All woody vines gr height.	eater than 3.28 ft in
0				grid	
3				Hydrophytic	
4.				Vegetation Present? Yes X	No
··		=Total Cover		163_X	
Describes (Include whater a land		•		I	
Remarks: (Include photo numbers here or on a separ	ate sneet.)				

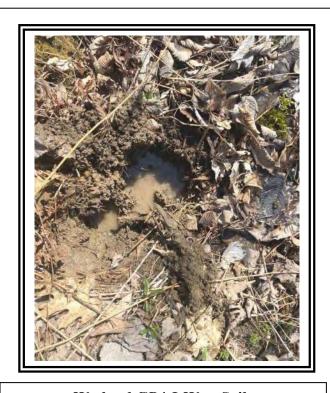
US Army Corps of Engineers

**SOIL** Sampling Point: GP4-I-Wet

Profile Des	scription: (Describe	to the de	pth needed to docu	ment the	e indicate	or or con	firm the absence	of indicators.)
Depth	Matrix		Redo	c Feature				
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-6	7.5YR 2.5/2	90	7.5YR 4/6	10	C	M	Loamy/Clayey	Prominent redox concentrations
6-14	7.5YR 2.5/2	95	7.5YR 4/6	5		<u>M</u>	Loamy/Clayey	Prominent redox concentrations
		·		_	_	_		
						<u> </u>		
·								
	Concentration, D=Dep	 letion, RN	/I=Reduced Matrix, C	——— S=Cover	ed or Coa	 ated Sand		cation: PL=Pore Lining, M=Matrix.
Histose Histic I Black I Hydrog Stratifi Deplet Thick I Sandy Sandy Strippe Dark S	Epipedon (A2) Histic (A3) gen Sulfide (A4) ed Layers (A5) ed Below Dark Surfac Dark Surface (A12) Mucky Mineral (S1) Gleyed Matrix (S4) Redox (S5) ed Matrix (S6) Surface (S7)	tion and v	Polyvalue Below MLRA 149B) Thin Dark Surfact High Chroma Sat Loamy Mucky M Loamy Gleyed M Depleted Matrix X Redox Dark Suri Depleted Dark S Redox Depression Marl (F10) (LRR	ce (S9) (I inds (S1) ineral (F flatrix (F2 (F3) face (F6) urface (F ons (F8) <b>K</b> , <b>L</b> )	LRR R, M 1) (LRR M 1) (LRR M 2)	ILRA 149 (, L) (, L)	2 cm Mu Coast Pr 5 cm Mu Polyvalue Thin Dar Iron-Man Piedmon Mesic Sp Red Pare Very Sha Other (Es	or Problematic Hydric Soils <sup>3</sup> : ck (A10) (LRR K, L, MLRA 149B) airie 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) ganese Masses (F12) (LRR K, L, R) t Floodplain Soils (F19) (MLRA 149B) codic (TA6) (MLRA 144A, 145, 149B) ent Material (F21) sillow Dark Surface (TF12) explain in Remarks)
Type: Depth (in	e Layer (if observed):						Hydric Soil Pre	esent? Yes X No
	orm is revised from No March 2013 Errata. (I							CS Field Indicators of Hydric Soils



Wetland GP4-I-Wet



Wetland GP4-I-Wet- Soils

SITE PHOTOGRAPHS

G-P4A-I Upl

### WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE-Whites	Beach Road- MP 163.3		City/County: Ballston	/ Saratoga	Sampling Date: 4/14/2023
Applicant/Owner: CHPE				State:	NY Sampling Point: GP4-I
Investigator(s): K. Weiskotte	en. K. Schumacher		Section, Township, R		
Landform (hillside, terrace, etc		till nlains I	_	onvex, none): concave	Slope (%):
Subregion (LRR or MLRA): LI	, <u> </u>		•	• • •	
		-		ong: 73° 51' 52"	
Soil Map Unit Name: Broadall					sification: None
Are climatic / hydrologic condi		-		<del></del>	in in Remarks.)
Are Vegetation, Soil				Normal Circumstances" រុ	present? Yes X No _
Are Vegetation, Soil	, or Hydrology _	naturally	problematic? (If nee	eded, explain any answe	rs in Remarks.)
SUMMARY OF FINDING	GS – Attach site m	ap showing	sampling point l	ocations, transects	s, important features, etc
Lhudaanhutia Maaatatian Daaa		N- V	In the Committee	A	
Hydrophytic Vegetation Pres Hydric Soil Present?	sent? Yes Yes	- No X No X	Is the Sampled within a Wetlan		No. Y
Wetland Hydrology Present?		No X	If yes, optional W		No <u>X</u>
Remarks: (Explain alternativ					
Remarks. (Explain alternativ	re procedures here or in	а зерагате герс	) (i.)		
HYDROLOGY					
Wetland Hydrology Indicate					dicators (minimum of two required
Primary Indicators (minimum	of one is required; chec	k all that apply)		Surface S	Soil Cracks (B6)
Surface Water (A1)	_	_Water-Stained	d Leaves (B9)	Drainage	Patterns (B10)
High Water Table (A2)		_Aquatic Fauna	a (B13)	Moss Trin	n Lines (B16)
Saturation (A3)		_Marl Deposits	(B15)	Dry-Sease	on Water Table (C2)
Water Marks (B1)		Hydrogen Sulf	fide Odor (C1)	Crayfish E	Burrows (C8)
Sediment Deposits (B2)		Oxidized Rhiz	ospheres on Living Roo	ots (C3) Saturation	n Visible on Aerial Imagery (C9)
Drift Deposits (B3)		Presence of R	Reduced Iron (C4)	Stunted o	or Stressed Plants (D1)
Algal Mat or Crust (B4)		Recent Iron R	eduction in Tilled Soils	(C6) Geomorph	hic Position (D2)
Iron Deposits (B5)		– Thin Muck Su	rface (C7)	Shallow A	Aguitard (D3)
Inundation Visible on Ae	erial Imagery (B7)	– Other (Explain			ographic Relief (D4)
Sparsely Vegetated Con	•	(	· ···· ,		tral Test (D5)
Field Observations:					
Surface Water Present?	Yes No X	Depth (inche	20).		
Water Table Present?	Yes No X				
Saturation Present?	Yes No X	<b>-</b> ' '		tland Hydrology Prese	nt? Yes No X
(includes capillary fringe)	163 NO_X	_ Deptil (illone	We	dana riyarology r rese	it: ies No_X
Describe Recorded Data (str	roam gaugo, monitoring y	woll porial phot	os provious inspection	s) if available:	
Describe Necorded Data (str	eam gauge, monitoring v	well, aeriai prioti	os, previous irispection	s), ii avallable.	
Remarks:					
Remarks.					

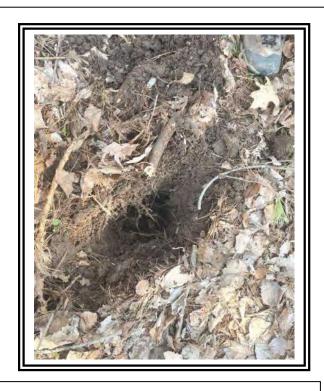
**VEGETATION** – Use scientific names of plants. Sampling Point: GP4-I-Up Absolute Dominant Indicator Tree Stratum (Plot size: 30' ) % Cover **Dominance Test worksheet:** Species? Status 25 **FACU** Pinus strobus Yes **Number of Dominant Species** Prunus serotina 10 Yes **FACU** That Are OBL, FACW, or FAC: (A) Acer rubrum 10 Yes **FAC Total Number of Dominant** 4. Species Across All Strata: (B) 5. Percent of Dominant Species 6. That Are OBL, FACW, or FAC: 40.0% (A/B) Prevalence Index worksheet: 45 =Total Cover Total % Cover of:\_\_\_\_ Sapling/Shrub Stratum (Plot size: 15' OBL species \_\_\_\_ x 1 = 20 FACU Lonicera tatarica FACW species \_\_\_\_\_ x 2 = \_\_\_\_ x 3 = 2. Ulmus americana **FACW** FAC species 3. FACU species \_\_\_\_ x 4 = 4. UPL species x 5 = 5. Column Totals: (B) (A) 6. Prevalence Index = B/A = **Hydrophytic Vegetation Indicators:** \_\_\_\_25 =Total Cover 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: 5' ) 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0<sup>1</sup> 4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) 4. Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 5. <sup>1</sup>Indicators of hydric soil and wetland hydrology must 6. be present, unless disturbed or problematic. **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. 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: \_\_\_\_\_15' \_\_\_\_) Woody vines - All woody vines greater than 3.28 ft in 1. height. Hydrophytic Vegetation Present? Yes No X =Total Cover Remarks: (Include photo numbers here or on a separate sheet.)

SOIL Sampling Point: GP4-I-Up

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)									
Depth Matrix		Redox Features							
(inches)	Color (moist)		Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
0-12	7.5YR 3/3	100					Loamy/Clayey		
<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. <sup>2</sup> Location: PL=Pore Lining, M=Matrix.									
Hydric Soil Indicators:  Indicators for Problematic Hydric Soils <sup>3</sup> :									
_	sol (A1)		Polyvalue Below	Surface	e (S8) ( <b>LR</b>	R R.		ck (A10) ( <b>LRR K, L, MLRA 149B</b> )	
Histic Epipedon (A2)			MLRA 149B)				Coast Prairie Redox (A16) (LRR K, L, R)		
Black Histic (A3)			Thin Dark Surface (S9) (LRR R, MLRA 149)						
Hydrogen Sulfide (A4)			High Chroma Sands (S11) (LRR K, L)				Polyvalue Below Surface (S8) (LRR K, L)		
	fied Layers (A5)	Loamy Mucky Mineral (F1) (LRR K, L)				Thin Dark Surface (S9) (LRR K, L)			
Depleted Below Dark Surface (A11)			Loamy Gleyed Matrix (F2)			-, -,		ganese Masses (F12) ( <b>LRR K, L, R</b> )	
Thick Dark Surface (A12)			Depleted Matrix (F3)				Piedmont Floodplain Soils (F19) (MLRA 149B)		
Sandy Mucky Mineral (S1)			Redox Dark Surface (F6)					odic (TA6) ( <b>MLRA 144A, 145, 149B</b> )	
Sandy Gleyed Matrix (S4)			Depleted Dark Surface (F7)					ent Material (F21)	
Sandy Redox (S5)			Redox Depressions (F8)				Very Shallow Dark Surface (TF12)		
Stripped Matrix (S6)		Marl (F10) ( <b>LRR K, L</b> )				Other (Explain in Remarks)			
Dark Surface (S7)							<del></del> `	,	
<sup>3</sup> Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.									
Restrictive Layer (if observed):									
Type:									
_	nches):						Hydric Soil Pre	esent? Yes No X	
							Tiyano com Tro	105 100X	
Remarks:	farma ia raviand frama N	a wtha a a m twa	l and North seet Desi	anal Cun	المصممام	lomaiom O	O to reflect the NDO	CC Field Indicators of Lludric Caile	
This data form is revised from Northcentral and Northeast Regional Supplement Version 2.0 to reflect the NRCS Field Indicators of Hydric Soils version 7.0 March 2013 Errata. (http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051293.docx)									



**Upland GP4-I-Up** 



**Upland GP4-I-Up- Soils** 

# **SITE PHOTOGRAPHS**

Project/Site: CHPE- Whites Beach	h Road- MP 163.4	City/County: Ballston/ Sarat	toga	Sampling Date: 4/14/2023				
Applicant/Owner: CHPE			State:	— — — — — — — — NY Sampling Point: GP4-J-Wet				
Investigator(s): K. Weiskotten. K.	 Schumacher	Section, Township, Range:						
Landform (hillside, terrace, etc.):		Local relief (concave, convex,		Slope (%):				
Subregion (LRR or MLRA): LRR R,		•	'3° 51' 53"					
Soil Map Unit Name: Mosherville- H		Long. <u>/</u>		fication: PFO				
Are climatic / hydrologic conditions	•	/ear? Yes X No						
Are Vegetation, Soil			Circumstances" pr	n in Remarks.) resent? Yes X No				
	nor Hydrologynaturally		explain any answers					
SUMMARY OF FINDINGS -	<del></del>			,				
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						
HYDROLOGY								
Wetland Hydrology Indicators:			•	cators (minimum of two required)				
Primary Indicators (minimum of on		·		oil Cracks (B6)				
Surface Water (A1)	X Water-Stained		X Drainage P					
High Water Table (A2)	Aquatic Fauna Mart Danasita		<del></del>					
Saturation (A3) Water Marks (B1)	Marl Deposits	<del></del>						
Water Marks (B1)	<del></del> • • •	fide Odor (C1)						
Sediment Deposits (B2) Drift Deposits (B3)		ospheres on Living Roots (C3 Reduced Iron (C4)		Visible on Aerial Imagery (C9) Stressed Plants (D1)				
l <del></del>		Reduction in Tilled Soils (C6)		ic Position (D2)				
Algal Mat or Crust (B4) Iron Deposits (B5)	Thin Muck Su	` '		quitard (D3)				
Inundation Visible on Aerial Im	<del></del>			' '				
l <del></del>		i iii Keiliaiks)		graphic Relief (D4)				
Sparsely Vegetated Concave	Surface (B6)	1	X FAC-Neutr	ai Test (D5)				
Field Observations:	N V 5 4 6 1	,						
Surface Water Present? Yes								
Water Table Present? Yes								
	S X No Depth (inche	es): Wetland I	Hydrology Presen	t? Yes <u>X</u> No				
(includes capillary fringe)  Describe Recorded Data (stream of	rouge monitoring well coriel phot	on provious inspections) if a	voilable:					
Describe Recorded Data (stream g	lauge, monitoring well, aerial priot	os, previous irispections), ii av	valiable.					
Remarks:								

<b>/EGETATION</b> – Use scientific names of pla	ants.			Sampling Po	oint: <u>GP4-J-We</u>	<u>∍t</u>
Tree Stratum (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:		
1. Acer saccharinum	15	Yes	FACW	Number of Dominant Species		
2. Ulmus americana	10	Yes	_FACW_	That Are OBL, FACW, or FAC:	5 (A	(A)
3. Fraxinus americana	10	Yes	FACU	Total Number of Dominant		
4.				Species Across All Strata:	7 (E	(B)
5.				Percent of Dominant Species		
6.				That Are OBL, FACW, or FAC:	71.4% (	(A/B)
7.				Prevalence Index worksheet:		
	35	=Total Cover		Total % Cover of:	Multiply by:	
Sapling/Shrub Stratum (Plot size: 15' )		•		OBL species x	1 =	-
1. Lonicera tatarica	20	Yes	FACU	FACW species x	2 =	-
2.					3 =	-
2					4 =	-
					5 =	-
5.					A)	– (B)
				Prevalence Index = B/A =		<b>-</b> ( )
7.				Hydrophytic Vegetation Indica		
··	20	=Total Cover		1 - Rapid Test for Hydrophy		
Herb Stratum (Plot size: 5' )		·		X 2 - Dominance Test is >50%	_	
	5	Voc	FACW	3 - Prevalence Index is ≤3.0		
Lysimachia ciliata     Caltha palustris	<u>5</u>	Yes Yes	OBL	l —		ortine
- <u></u>		. <u>res</u>	UBL	4 - Morphological Adaptations <sup>1</sup> (Provide support data in Remarks or on a separate sheet)		
3		. ——			,	
4		- ——		Problematic Hydrophytic Ve	getation* (Explain)	1)
5 6.		· ——		<sup>1</sup> Indicators of hydric soil and wet be present, unless disturbed or p		ust
7.				Definitions of Vegetation Strat		
8.						
9.				Tree – Woody plants 3 in. (7.6 c at breast height (DBH), regardles		metei
10.				Sapling/shrub – Woody plants	less than 3 in DRI	tН
11.				and greater than or equal to 3.28		• • • • • • • • • • • • • • • • • • • •
12.		,		Herb – All herbaceous (non-woo	du) planta rogard	dlaaa.
	10	=Total Cover		of size, and woody plants less th		ness
Woody Vine Stratum (Plot size: 15' )		•		Manakada a Allasa da da a		· 6. !
1. Toxicodendron radicans	5	Yes	FAC	Woody vines – All woody vines height.	greater than 3.28	πın
2.						
3.				Hydrophytic		
4.		. ——		Vegetation Present? Yes X	No	
	5	=Total Cover				
	•					

US Army Corps of Engineers

**SOIL** Sampling Point: GP4-J-Wet

	escription: (Describe t	o the de	=			or or con	firm the absence	of indicators.)		
Depth	Matrix			Feature		. 2				
(inches)	Color (moist)	<u></u> %	Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks		
0-12	10YR 2/1	95	10YR 4/6	5	C	M	Loamy/Clayey	Prominent redox concentrations		
1 <sub>Type: C=</sub>		otion PA	4-Paduaad Matrix, CS		od or Coo	tod Sand	Croins 21 or	cation: PL=Pore Lining, M=Matrix.		
	il Indicators:	elion, Ki	//-Reduced Matrix, Co	5-Cover	eu oi coa	iteu Sano		or Problematic Hydric Soils <sup>3</sup> :		
			Dobavoluo Bolovi	Curfoss	(CO) (LD	D D		•		
	sol (A1)		Polyvalue Below	Surface	(So) ( <b>LK</b>	κκ,		ck (A10) (LRR K, L, MLRA 149B)		
	Epipedon (A2)		MLRA 149B)	- (00) (		U DA 440		rairie Redox (A16) (LRR K, L, R)		
	Histic (A3)		Thin Dark Surfac					cky Peat or Peat (S3) (LRR K, L, R)		
	ogen Sulfide (A4)	,	High Chroma Sa					e Below Surface (S8) (LRR K, L)		
	fied Layers (A5)	(0.4.4)	Loamy Mucky Mi			(, L)		k Surface (S9) (LRR K, L)		
	ted Below Dark Surface	e (A11)	Loamy Gleyed M		2)		Iron-Manganese Masses (F12) (LRR K, L, R)			
	Dark Surface (A12)		Depleted Matrix	` '				nt Floodplain Soils (F19) (MLRA 149B)		
	y Mucky Mineral (S1)	,	X Redox Dark Surf				Mesic Spodic (TA6) (MLRA 144A, 145, 149B)			
	y Gleyed Matrix (S4)		Depleted Dark S	,	,		Red Parent Material (F21)			
	y Redox (S5)		Redox Depression	, ,			Very Shallow Dark Surface (TF12)			
	ed Matrix (S6)		Marl (F10) ( <b>LRR</b>	<b>K</b> , <b>L</b> )			Other (Explain in Remarks)			
Dark \$	Surface (S7)									
2										
	of hydrophytic vegetat	ion and v	vetland hydrology mus	st be pre	esent, unle	ess distur	bed or problematic	•		
	e Layer (if observed):									
Type: _										
Depth (i	nches):						Hydric Soil Pre	esent? Yes X No		
Remarks:	<u> </u>									
	form is revised from No	rthcentra	I and Northeast Regio	nal Sup	plement \	ersion 2.	0 to reflect the NR	CS Field Indicators of Hydric Soils		
	0 March 2013 Errata. (h									

# G-P4A-J- Upl

Project/Site: CHPE- Whites	Beach Road- MP 163.4		City/County: Ba	llston/ Saratoga	а	Sampling Da	te: 4/14/20	)23
Applicant/Owner: CHPE			_		State:	<del>–</del> NY Sampl	ing Point: o	GP4-J-Up
Investigator(s): K. Weiskotte	en. K. Schumacher		Section, Townsl	nip. Range: Ba			_	
Landform (hillside, terrace, et		till plains L	– ∟ocal relief (conca	_			Slope (%):	
Subregion (LRR or MLRA): L			,	Long: 73°	· ———		atum:	
Soil Map Unit Name: Mosher		. 42 00 20		Longo		fication: None		
· · · · · · · · · · · · · · · · · · ·	·	is this time of w		No. V				
Are climatic / hydrologic cond	• •	•	-		( <b>I</b> f no, explair		- Na	- V
Are Vegetation , Soil Are Vegetation , Soil					rcumstances" pr lain any answer		es No	· <u>~</u>
SUMMARY OF FINDIN				` '	•	,	features,	etc.
Hydrophytic Vegetation Pres	sent? Yes	No X	Is the Sam	nled Area				
Hydric Soil Present?	Yes		within a W		Yes	No X		
Wetland Hydrology Present?		No X		nal Wetland Si		_ ''-		
Remarks: (Explain alternativ								=
HYDROLOGY								
Wetland Hydrology Indicat						cators (minimun	n of two requ	uired)
Primary Indicators (minimum	of one is required; chec			<del></del> .		oil Cracks (B6)		
Surface Water (A1)	<u> </u>	_Water-Stained	` ,			Patterns (B10)		
High Water Table (A2)		_Aquatic Fauna				Lines (B16)		
Saturation (A3)		Marl Deposits	` '	<del></del> ;				
Water Marks (B1)	_	_Hydrogen Sulf		<del></del> · · · · · · · · · · · · · · · · · ·				
Sediment Deposits (B2)		_	•	spheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)				
— Drift Deposits (B3)		_	Reduced Iron (C4) Stunted or Stressed Plants (D1)					
Algal Mat or Crust (B4)	_	_	Reduction in Tilled Soils (C6) Geomorphic Position (D2)					
Iron Deposits (B5)	(57)	Thin Muck Su						
Inundation Visible on A	- · · · · -	Other (Explain	in in Remarks)  Microtopographic Relief (D4)					
Sparsely Vegetated Cor	ncave Surface (B8)				FAC-Neutr	al Test (D5)		
Field Observations:								
Surface Water Present?	Yes No _X	- ' '						
Water Table Present?	Yes No X	-	es):			:	N.	
Saturation Present?	Yes No _X	Depth (inche	es):	Wetiand Hyd	drology Presen	t? Yes _	No_	<u> </u>
(includes capillary fringe)  Describe Recorded Data (sti	room gauge, monitoring v	uall aprial nhat	no provious inspe	otions) if avail	ahla:			$\overline{}$
Describe Necorded Pata (c.	ealii gauge, monitoring v	veii, aeriai pried	us, previous mape	CHOHS), II avan	abi <del>c</del> .			
Remarks:								
Nomano.								

**VEGETATION** – Use scientific names of plants. Sampling Point: GP4-J-Up Absolute Dominant Indicator Tree Stratum (Plot size: 30' ) % Cover **Dominance Test worksheet:** Species? Status **FACU** Pinus strobus Yes **Number of Dominant Species** Prunus serotina Yes **FACU** That Are OBL, FACW, or FAC: (A) 5 Acer rubrum Yes **FAC Total Number of Dominant** 4. Species Across All Strata: (B) 5. Percent of Dominant Species 6. That Are OBL, FACW, or FAC: 40.0% (A/B) Prevalence Index worksheet: 15 =Total Cover Total % Cover of:\_\_\_\_ Sapling/Shrub Stratum (Plot size: 15' OBL species \_\_\_\_ x 1 = 20 FACW species x 2 = \_\_\_\_\_ Lonicera tatarica Yes FACU x 3 = Rhamnus cathartica 15 Yes FAC FAC species 3. Berberis thunbergii 5 **FACU** FACU species \_\_\_\_ x 4 = 4. UPL species x 5 = 5. Column Totals: (B) (A) 6. Prevalence Index = B/A = **Hydrophytic Vegetation Indicators:** \_\_\_\_40 =Total Cover 1 - Rapid Test for Hydrophytic Vegetation Herb Stratum (Plot size: 5' ) 2 - Dominance Test is >50% 3 - Prevalence Index is ≤3.0<sup>1</sup> 4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) 4. Problematic Hydrophytic Vegetation<sup>1</sup> (Explain) 5. <sup>1</sup>Indicators of hydric soil and wetland hydrology must 6. be present, unless disturbed or problematic. **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. 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: \_\_\_\_\_15' \_\_\_\_) Woody vines - All woody vines greater than 3.28 ft in 1. height. Hydrophytic Vegetation Present? Yes No X =Total Cover

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

**SOIL** Sampling Point: GP4-J-Up

Profile De	escription: (Describe t	o the de	oth needed to docu	ment the	e indicato	or or con	firm the absence	of indicators.)	
Depth	Matrix		Redox	Feature	es				
(inches)	Color (moist)	%	Color (moist)	%_	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
0-12	7.5YR 3/3	100					Loamy/Clayey		
0-12	7.511( 5/5						Loamy/Clayey		
<sup>1</sup> Type: C=	-Concentration, D=Deple	etion, RM	=Reduced Matrix, C	S=Cover	ed or Coa	ited Sand	d Grains. <sup>2</sup> Lo	cation: PL=Pore Lining, M=Matri	ix.
	oil Indicators:		,					or Problematic Hydric Soils <sup>3</sup> :	
	sol (A1)		Polyvalue Below	Surface	(S8) ( <b>LR</b>	R R.		ick (A10) ( <b>LRR K, L, MLRA 149</b> E	3)
	Epipedon (A2)	-	MLRA 149B)		(, (	<b>-,</b>		rairie Redox (A16) ( <b>LRR K, L, R</b> )	
	Histic (A3)		Thin Dark Surfac	e (S9) (I	LRR R. M	LRA 149		icky Peat or Peat (S3) ( <b>LRR K, L</b>	
	ogen Sulfide (A4)	-	High Chroma Sa				· —	e Below Surface (S8) ( <b>LRR K, L</b> )	
	fied Layers (A5)	-	Loamy Mucky M					k Surface (S9) ( <b>LRR K, L</b> )	,
	eted Below Dark Surface	- (Δ11)	Loamy Gleyed M			<b>、</b>		nganese Masses (F12) ( <b>LRR K, L</b>	R)
	Dark Surface (A12)		Depleted Matrix		-)			nt Floodplain Soils (F19) ( <b>MLRA</b> '	
	y Mucky Mineral (S1)	-	Redox Dark Surf					oodic (TA6) ( <b>MLRA 144A, 145, 1</b>	
		-							<b>49D</b> )
	y Gleyed Matrix (S4)	-	Depleted Dark S	•	-7)			ent Material (F21)	
	y Redox (S5)	-	Redox Depression					allow Dark Surface (TF12)	
	ped Matrix (S6)	-	Marl (F10) ( <b>LRR</b>	K, L)			Other (E	xplain in Remarks)	
— Dark	Surface (S7)								
3									
	of hydrophytic vegetati	on and w	etland hydrology mu	st be pre	sent, unle	ess distur	bed or problematic	•	
	e Layer (if observed):								
Type: _									
Depth (i	inches):						Hydric Soil Pre	esent? Yes No_	X
Remarks:							!		
This data	form is revised from Nor	thcentral	and Northeast Region	nal Sup	plement \	ersion 2.	.0 to reflect the NR	CS Field Indicators of Hydric Soi	ls
version 7.	0 March 2013 Errata. (hi	ttp://www	.nrcs.usda.gov/Interr	et/FSE_	DOCUM	ENTS/nrc	s142p2_051293.dd	ocx)	

Project/Site: CHPE	City/County: Ballston/Saratoga Sampling Date: 12/16/21
Applicant/Owner: TDI	State: NY Sampling Point: c-cP-H-4 Wet
Investigator(s): N. Frazer, K. Weiskotten	Section, Township, Range:
- ,	relief (concave, convex, none): none Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 42-56-6.91N	Long: 73-51-56.09 Datum: WGS 84
Soil Map Unit Name: MxB-Mosherville-Hornell Complex, undulating	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 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	
	Connection (Indicators (minimum of two required)
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that apply)  X Surface Water (A1) Water-Stained Leaves (	Surface Soil Cracks (B6) 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	
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	<del>_</del>
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes x No Depth (inches):	: 0.5
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:	
Adjacent to stream C-CP-S10.	

Tree Stratum     (Plot size:     30'     % Cover     Species?     Status     Dominance Test worksheet:       1.	
THE A PRI FACILITY OF THE PRINCIPLE OF T	
	1(A)
3 Total Number of Dominant Species Across All Strata:	1(B)
5.	).0% (A/B)
7. Prevalence Index worksheet:	
=Total Cover Total % Cover of: Multi	ply by:
Sapling/Shrub Stratum (Plot size: 15' ) OBL species 19 x 1 =	19
1 FACW species 97 x 2 =	194
2 FAC species 0 x 3 =	0
3 FACU species 0 x 4 =	0
4 UPL species 0 x 5 =	0
5 Column Totals: 116 (A)	213 (B)
6 Prevalence Index = B/A =	1.84
7. Hydrophytic Vegetation Indicators:	_
=Total Cover 1 - Rapid Test for Hydrophytic Vege	tation
Herb Stratum (Plot size: 5' ) X 2 - Dominance Test is >50%	
1. Phalaris arundinacea 95 Yes FACW X 3 - Prevalence Index is ≤3.0 <sup>1</sup>	
2. Epilobium coloratum 10 No OBL 4 - Morphological Adaptations 1 (Prov	/ide supporting
3. Lythrum salicaria 5 No OBL data in Remarks or on a separate	sheet)
4. Juncus effusus 2 No OBL Problematic Hydrophytic Vegetation	<sup>1</sup> (Explain)
5 Typha latifolia 2 No OBI	
6. Cyperus strigosus  2 No FACW be present, unless disturbed or problematical forms of hydric soil and wetland hydrocard be present, unless disturbed or problematical forms.	
7. Definitions of Vegetation Strata:	
8 Tree – Woody plants 3 in. (7.6 cm) or m	oro in
9. diameter at breast height (DBH), regardle	
10. Sapling/shrub – Woody plants less tha	n 3 in DBH
11 and greater than or equal to 3.28 ft (1 m	
12 Herb – All herbaceous (non-woody) plan	ate regardless
116 =Total Cover of size, and woody plants less than 3.28	
Woody Vine Stratum (Plot size: 30' ) Woody vines – All woody vines greater	than 3 28 ft in
1. height.	triair 5.20 it iii
2.	
3. Hydrophytic Vegetation	
4 Present? Yes X No	
=Total Cover	
Remarks: (Include photo numbers here or on a separate sheet.)	
Tromande. (modulo prote numbero nero el en a sopulato enest.)	

Sampling Point: C-CP-H-4 Wet

Depth	Matrix			k Featur				
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-7	10YR 2/1	100					Loamy/Clayey	with organics
7-16	2.5Y 2.5/1	95	10YR 3/6	5	<u> </u>	<u>M</u> .	Loamy/Clayey	Prominent redox concentrations
		-						
Type: C=Co	ncentration, D=Depl	etion, RM	=Reduced Matrix, N	IS=Mas	ked Sand	d Grains.		PL=Pore Lining, M=Matrix. for Problematic Hydric Soils <sup>3</sup> :
Black His Hydroger Stratified Depleted Thick Da Sandy Mi Sandy Gl	pedon (A2) tic (A3) I Sulfide (A4) Layers (A5) Below Dark Surface Rk Surface (A12) Lucky Mineral (S1) Lucky Matrix (S4) Lucky Matrix (S5) Matrix (S6)	e (A11)	Polyvalue Belo MLRA 149B Thin Dark Surf High Chroma S Loamy Mucky Loamy Gleyed Depleted Matri X Redox Dark Su Depleted Dark Redox Depress Marl (F10) (LR	) Sands (S Sands (S Mineral Matrix ( x (F3) urface (F Surface Sions (F8	(LRR R 611) (LRI (F1) (LRI F2) 6) (F7)	, MLRA 1 R K, L)	Coast P 5 cm Mi Polyvalu Thin Da Iron-Mai Piedmoi Mesic S Red Par Very Sh	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) rnganese 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)
	, , , ,	on and w	etland hydrology mu	ıst be pr	esent, ur	nless distu	urbed or problematic.	
Restrictive L Type:	ayer (if observed): none	Δ.						
Depth (in		<u> </u>					Hydric Soil Prese	nt? Yes X No
	n is revised from No 2015 Errata. (http://w							CS Field Indicators of Hydric Soils,



Wetland C-CP-H-4- View facing south



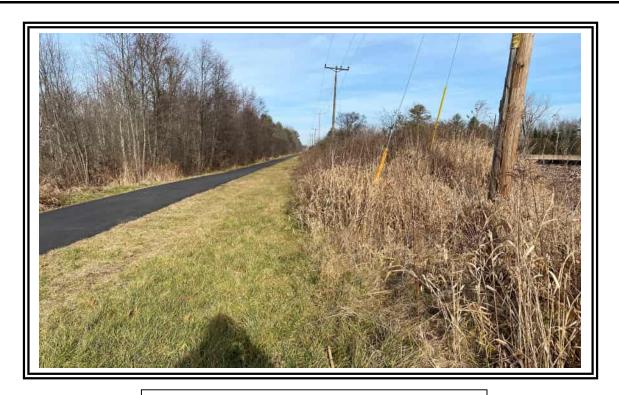
Wetland C-CP-H-4- Soils

# **SITE PHOTOGRAPHS**

Project/Site: CHPE	City/County: Ballston/Saratoga Sampling Date: 12/16/21					
Applicant/Owner: TDI	 State: NY Sampling Point: c-cp-н-4 Սթ					
Investigator(s): N. Frazer, K. Weiskotten	Section, Township, Range:					
• ` '	relief (concave, convex, none): none Slope %: 0					
Subregion (LRR or MLRA): LRR R Lat: 42-56-6.75N	Long: 73-51-56.27W Datum: WGS 84					
	NWI classification: N/A					
Soil Map Unit Name: MxB- Mosherville-Hornell Complex, undulating						
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 Hydrology naturally problems	atic? (If needed, explain any answers in Remarks.)					
<b>SUMMARY OF FINDINGS – Attach site map showing sam</b>	pling point locations, transects, important features, etc.					
The book of a Venetation Process O	Is the Commission Asses					
Hydrophytic Vegetation Present?  Hydric Soil Present?  Yes X No Yes No X	Is the Sampled Area					
	within a Wetland? Yes No _X If yes, optional Wetland Site ID:					
	il yes, optional wetiand Site ib.					
Remarks: (Explain alternative procedures here or in a separate report.)  Mowed						
NOWEG						
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	<u> </u>					
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 (	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 Iron	on (C4) Stunted or Stressed Plants (D1)					
Algal Mat or Crust (B4) Recent Iron Reduction ir	n 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 Remar	rks) 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):	:					
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.						

	Absolute	Dominant	Indicator	
Free Stratum (Plot size:30')	% Cover	Species?	Status	Dominance Test worksheet:
·				Number of Dominant Species
				That Are OBL, FACW, or FAC: 1 (A)
				Total Number of Deminent
				Total Number of Dominant Species Across All Strata: 1 (B)
j.				
3.				Percent of Dominant Species 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 1 = 0
				FACW species 0 x 2 = 0
				FAC species 85 x 3 = 255
				· — — — — — — — — — — — — — — — — — — —
3				FACU species 18 x 4 = 72
				UPL species 0 x 5 = 0
5				Column Totals: 103 (A) 327 (B
)				Prevalence Index = B/A = 3.17
·				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:5' )				X 2 - Dominance Test is >50%
Solidago canadensis	10	No	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Trifolium repens	8	No	FACU	4 - Morphological Adaptations <sup>1</sup> (Provide supportin
3. Setaria pumila	85	Yes	FAC	data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
5				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 by Mandy plants land them 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.				
	103	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
<u>Voody Vine Stratum</u> (Plot size: 30' )		10101 00101		
· · · · · · · · · · · · · · · · · · ·				<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.
				neight.
				Hydrophytic
3.				Vegetation No. 1
		=Total Cover		Present?
1				

		o the de				tor or co	onfirm the absence of i	ndicators.)
Depth	Matrix			x Featur		. 2	<b>-</b> .	
(inches)	Color (moist)	<u>%</u>	Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-7	10YR 2/2	100					Loamy/Clayey	fill with rocks
								_
								_
<sup>1</sup> Type: C=Co	oncentration, D=Depl	etion RN	=Reduced Matrix N	 AS=Mas	ked Sand		<sup>2</sup> l ocation: Pl =	=Pore Lining, M=Matrix.
Hydric Soil		0.11011, 1.11	T TOGGOOG WIGHTX, II	io ivido	Rou Guile	· Oranio.		Problematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	RR R		(A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B		00 (00) (1	-1414 14,		irie Redox (A16) ( <b>LRR K, L, R</b> )
Black Hi			Thin Dark Surf	•	) (I RR R	MI RA 1		ky Peat or Peat (S3) ( <b>LRR K, L, R</b> )
	n Sulfide (A4)		High Chroma S				· —	Below Surface (S8) (LRR K, L)
	I Layers (A5)		Loamy Mucky					Surface (S9) (LRR K, L)
	l Below Dark Surface	(Δ11)	Loamy Gleyed			( IX, L)		anese Masses (F12) (LRR K, L, R)
	ark Surface (A12)	(A11)	Depleted Matri		12)			Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su		.e)			odic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
	lleyed Matrix (S4)		Depleted Dark					nt Material (F21)
	edox (S5)		Redox Depress					ow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	,	0)			plain in Remarks)
			Wall (F10) ( <b>LK</b>	K K, L)			Other (Exp	Dialit in itemarks)
Dark Su	face (S7)							
<sup>3</sup> Indicators o	f hydrophytic vegetati	on and w	etland hydrology mu	ıst be pr	resent. ur	nless dist	urbed or problematic.	
	_ayer (if observed):							
Type:	Rock	(S						
•		7					Undria Cail Draggat	2 Van Na V
Depth (ir							Hydric Soil Present	? Yes <u>No X</u>
Remarks:								
								S Field Indicators of Hydric Soils,
version 7.0,	2015 Errata. (http://w	ww.nrcs.	usda.gov/internet/F	SE_DOC	JUMENT	5/nrcs 14.	2p2_051293.docx)	



**Upland C-CP-H-4- View facing north** 



**Upland C-CP-H-4- Soils** 

# **SITE PHOTOGRAPHS**

Project/Site: CHPE	City/County: Ballston/Saratoga Sampling Date: 12/16/21
Applicant/Owner: TDI	State: NY Sampling Point: c-cP-I-5 Wet
Investigator(s): N. Frazer, K. Weiskotten	Section, Township, Range:
• ,	relief (concave, convex, none): concave Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 42-55-40.05N	Long: 73-52-3.78W Datum: WGS 84
Soil Map Unit Name: As- Allis silt loam	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 Hydrologysignificantly distur	rbed? Are "Normal Circumstances" present? Yes x No
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 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) X Water-Stained Leaves (	· ·
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  Oxidized Rhizospheres	
Drift Deposits (B3) Presence of Reduced In	
Algal Mat or Crust (B4)  Recent Iron Reduction in  Thin Music Surface (G7)	
Iron Deposits (B5) Thin Muck Surface (C7) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remai	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remain Sparsely Vegetated Concave Surface (B8)	rks) Microtopographic Relief (D4) X FAC-Neutral Test (D5)
	A PAC-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)	
Saturation Present? Yes x No Depth (inches) (includes capillary fringe)	:0 Wetland Hydrology Present? Yes _X No
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	L evious inspections)if available:
Describe Nescrice Bata (stream gauge, montering won, actual photos, pro	svious inspections), it available.
Remarks:	
Adjacent to stream C-CP-S13	

	=Total Cover		Number of Dominant Species That Are OBL, FACW, or FAC:1(A)  Total Number of Dominant Species Across All Strata:1(B)  Percent of Dominant Species That Are OBL, FACW, or FAC:100.0%(A/B)  Prevalence Index worksheet:Total % Cover of:Multiply by:
			Species Across All Strata: 1 (B)  Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)  Prevalence Index worksheet:
			That Are OBL, FACW, or FAC: 100.0% (A/B)  Prevalence Index worksheet:
			Total % Cover of: Multiply by:
			OBL species108 x 1 =108
			FACW species 0 x 2 = 0
			FAC species 0 x 3 = 0
			FACU species 0 x 4 = 0
			UPL species 0 x 5 = 0
			Column Totals: 108 (A) 108 (B)
			(,(,
	-Total Cavar		Hydrophytic Vegetation Indicators:
	= Fotal Cover		1 - Rapid Test for Hydrophytic Vegetation
			X 2 - Dominance Test is >50%
95	Yes	OBL_	X 3 - Prevalence Index is ≤3.0 <sup>1</sup>
5	No	OBL_	4 - Morphological Adaptations (Provide supporting
8	No	OBL	data in Remarks or on a separate sheet)
			Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
			<sup>1</sup> Indicators of hydric soil and wetland hydrology must
			be present, unless disturbed or problematic.
			Definitions of Vegetation Strata:
			Tree Moody plants 3 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 height.
			Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
108	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
			Woody vines – All woody vines greater than 3.28 ft in height.
			Hydrophytic Vegetation
			Present? Yes X No
	=Total Cover		
ate sheet \			
,			
	95 5 8	=Total Cover  95	=Total Cover    95

Sampling Point: C-CP-I-5 Wet

SOIL Sampling Point <u>C-CP-I-5 Wet</u>

Profile Desc Depth	ription: (Describe t Matrix	to the de		<b>ıment t</b> l x Featur		tor or co	onfirm the absence of	f indicators.)
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-6	10YR 2/1	100					Loamy/Clayey	with gravel
6-20	10Y 5/1	92	10YR 3/6	8	С	M	Loamy/Clayey	Prominent redox concentrations
<sup>1</sup> Type: C=Co		—— etion RM	 I=Reduced Matrix M	—— IS=Mas	—— ked Sand	—— I Grains	2l ocation: F	PI =Pore Lining M=Matrix
Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains  Hydric Soil Indicators:  Histosol (A1)  Histic Epipedon (A2)  Black Histic (A3)  Hydrogen Sulfide (A4)  Stratified Layers (A5)  Thin Dark Surface (S9) (LRR R, MLRA High Chroma Sands (S11) (LRR K, L)  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)  Polyvalue Below Surface (S8) (LRR R, MLRA HIGH Chroma Sands (S1) (LRR K, L)  Loamy Mucky Mineral (F1) (LRR K, L)  Depleted Matrix (F2)  Depleted Matrix (F3)  Redox Dark Surface (F6)  Depleted Dark Surface (F7)  Redox Depressions (F8)  Marl (F10) (LRR K, L)					LRR R, , MLRA 1 R K, L) R K, L)	Indicators for Problematic Hydric Soils <sup>3</sup> :  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:	_ayer (if observed): non nches):	e					Hydric Soil Prese	nt? Yes X No
Remarks: This data for			-					CS Field Indicators of Hydric Soils,



Wetland C-CP-I-5- View facing south



Wetland C-CP-I-5- Soils

# **SITE PHOTOGRAPHS**

Project/Site: CHPE	City/County: Ballston/Saratoga Sampling Date: 12/16/21					
Applicant/Owner: TDI	State: NY Sampling Point: c-cP-l-5 Upl					
Investigator(s): N. Frazer, K. Weiskotten	Section, Township, Range:					
- ` `	relief (concave, convex, none): none Slope %: 15					
Subregion (LRR or MLRA): LRR R Lat: 42-55-39.88N	Long: 73-52-3.65W Datum: WGS 84					
Soil Map Unit Name: As-Allis silt loam	NWI classification: N/A					
Are climatic / hydrologic conditions on the site typical for this time of year?						
	· · · · · · · · · · · · · · · · ·					
Are Vegetation, Soil, or Hydrology significantly distur						
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 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.)						
Railroad ballast/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 Deposits (B2)						
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)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	pyjous inspections) if available:					
Describe Recorded Data (stream gauge, monitoring well, aerial priotos, pre	evious inspections), il available.					
Remarks:						

Tree Stratum (Plot size:30')	Absolute Dominant Species?		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)
<ul><li>5.</li><li>6.</li></ul>			Percent of Dominant Species That Are OBL, FACW, or FAC:(A/B)
7			Prevalence Index worksheet:
	=Total Cove		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 Cove	r	1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' )			2 - Dominance Test is >50%
1			3 - Prevalence Index is ≤3.0 <sup>1</sup>
2.			4 - Morphological Adaptations (Provide supporting data in Remarks or on a separate sheet)
3. 4.			Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5.			Problematic hydrophytic vegetation (Explain)
6.			<sup>1</sup> 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
	=Total Cove	r	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 Cove	r	
Remarks: (Include photo numbers here or on a sepa No vegetation- railroad ballast/embankment.	arate sheet.)		

SOIL Sampling Point C-CP-I-5 Upl

		to the de				tor or co	nfirm the absence of	indicators.)
Depth	Matrix			x Featur		. 2		
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
<del></del>								_
							_	
							_	
1		<del></del> .				<del></del> .	2	
	oncentration, D=Dep	etion, RM	I=Reduced Matrix, N	/IS=Masl	ked Sand	Grains.		=Pore Lining, M=Matrix.
Hydric Soil I								r Problematic Hydric Soils <sup>3</sup> :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) ( <b>I</b>	_RR R,	2 cm Muc	k (A10) ( <b>LRR K, L, MLRA 149B</b> )
Histic Ep	ipedon (A2)		MLRA 149B	)			Coast Pra	irie Redox (A16) ( <b>LRR K, L, R</b> )
Black His	stic (A3)		Thin Dark Surf	ace (S9)	(LRR R,	MLRA 1	<b>49B</b> ) 5 cm Muc	ky Peat or Peat (S3) ( <b>LRR K, L, R</b> )
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	311) ( <b>LRF</b>	R K, L)	Polyvalue	Below Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) ( <b>LRF</b>	R K, L)	Thin Dark	Surface (S9) (LRR K, L)
Depleted	Below Dark Surface	e (A11)	Loamy Gleyed	Matrix (	F2)		Iron-Mang	ganese Masses (F12) ( <b>LRR K, L, R</b> )
	rk Surface (A12)	,	Depleted Matri		,			Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su		6)			odic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
	leyed Matrix (S4)		Depleted Dark					nt Material (F21)
	edox (S5)		Redox Depress					low Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR		3)			plain in Remarks)
			IVIAIT (F 10) ( <b>LK</b>	K K, L)			— Other (EX	plain in Nemarks)
— Dark Sur	face (S7)							
31							bd	
		ion and w	etiand nydrology mt	ust be pr	esent, ur	iless disti	urbed or problematic.	
	_ayer (if observed):							
Type: _	railroad	ballast						
Depth (ir	nches):	0					Hydric Soil Present	? Yes No _X_
Remarks:								
	m is revised from No	rthcentral	and Northeast Reg	ional Su	pplement	Version	2.0 to include the NRC	S Field Indicators of Hydric Soils,
	2015 Errata. (http://w		-					o i iola maioatoro di riyano dello,
	road ballast/embankı		g				,	



**Upland C-CP-I-5- View facing east** 

SITE PHOTOGRAPHS

Project/Site: CHPE	City/County: Ballston/Saratoga Sampling Date: 12/16/21
Applicant/Owner: TDI	State: NY Sampling Point: C-CP-J-1 Wet
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: 42-55-26.92N	Long: 73-52-6.12W Datum: WGS 84
Soil Map Unit Name: As- Allis silt loam	NWI classification: PEM/PFO
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	rbed? 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:
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) And Deposit (P15)	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 In	
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	<del>_</del>
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):	
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:	
Adjacent to stream C-CP-S14.	

<u>Tree Stratum</u> (Plot size: 30' )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. Ulmus americana	90	Yes	FACW	Dominance rest worksheet.
Acer rubrum	8	No	FAC	Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
3. Carpinus caroliniana	10	No	FAC	That Ale Obl., I AGW, OF AG.
4.				Total Number of Dominant Species Across All Strata: 3 (B)
<ul><li>5.</li><li>6.</li></ul>				Percent of Dominant Species That Are OBL, FACW, or FAC:100.0%(A/B)
7.				Prevalence Index worksheet:
	108	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15')				OBL species0 x 1 =0
1. Carpinus caroliniana	15	Yes	FAC	FACW species 167 x 2 = 334
2.				FAC species33 x 3 =99
3.				FACU species0 x 4 =0
4.				UPL species 0 x 5 = 0
5.				Column Totals: 200 (A) 433 (B)
6.				Prevalence Index = B/A = 2.17
7.				Hydrophytic Vegetation Indicators:
	 15	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' )				X 2 - Dominance Test is >50%
1. Onoclea sensibilis	75	Yes	FACW	X 3 - Prevalence Index is ≤3.0 <sup>1</sup>
Cornus amomum	2	No	FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
2				data in Remarks or on a separate sheet)
				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
				<del> </del>
6.				¹Indicators 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.
11 12.				
12.	77	=Total Cover		<b>Herb</b> – 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.				Hadanah da
3.				Hydrophytic Vegetation
4				Present?
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Sampling Point: C-CP-J-1 Wet

	•	to the de	-			ator or c	onfirm the absence of in	dicators.)
Depth	Matrix			K Featur		1 2	<b>-</b> .	Б
(inches)	Color (moist)	<u>%</u>	Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-4	10YR 2/1	100					Mucky Loam/Clay	
4-16	10Y 3/1	100					Loamy/Clayey	
								_
1- 0.0		<del></del>					21 11 51 1	2 1111 11111
Hydric Soil	oncentration, D=Depl	etion, Ri	/I=Reduced Matrix, N	IS=Mas	ked Sand	Grains.		Problematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (	I RR R		(A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B		00 (00) (			ie Redox (A16) ( <b>LRR K, L, R</b> )
	stic (A3)		Thin Dark Surfa	•	(LRR R	, MLRA		Peat or Peat (S3) ( <b>LRR K, L, R</b> )
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	611) ( <b>LRI</b>	R K, L)	Polyvalue B	elow Surface (S8) ( <b>LRR K, L</b> )
	d Layers (A5)		Loamy Mucky			R K, L)		Surface (S9) ( <b>LRR K, L</b> )
	d Below Dark Surface	e (A11)	X Loamy Gleyed		F2)			nese Masses (F12) ( <b>LRR K, L, R</b> )
	ark Surface (A12)		Depleted Matri					loodplain Soils (F19) (MLRA 149B)
	Mucky Mineral (S1)		Redox Dark Su					lic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
	Bleyed Matrix (S4) Redox (S5)		Depleted Dark Redox Depress					Material (F21) w Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR		0)			ain in Remarks)
	rface (S7)			, ,				,
		ion and v	vetland hydrology mu	ıst be pr	esent, ur	nless dis	turbed or problematic.	
	Layer (if observed):							
Type:	non	e						
Depth (ii	nches):						Hydric Soil Present?	Yes X No
Remarks:	maria marija and finama Nia		Land Nambaast Dani	I C		4 \ / :	O O to implicate the NDCC	Field Indicators of Hydric Caile
	m is revised from No 2015 Errata. (http://w							Field Indicators of Hydric Soils,
7 0.0.0 7.0,	_0 :0a.a. (p.,,				, o		poooo.uoo//	



Wetland C-CP-J-1- View facing east



Wetland C-CP-J-1- Soils

# **SITE PHOTOGRAPHS**

Project/Site: CHPE	City/County: Ballston/Saratoga Sampling Date: 12/16/21					
Applicant/Owner: TDI	State: NY Sampling Point: c-cp-J-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: 42-55-27.59N	Long: 73-52-5.95W Datum: WGS 84					
Soil Map Unit Name: As- Allsi silt loam	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 problema						
SUMMARY OF FINDINGS – Attach site map showing sam						
Hydrophytic Vegetation Present?         Yes         No         X           Hydric Soil Present?         Yes         No         X           Wetland Hydrology Present?         Yes         X         No	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.)	ii yoo, optional rrotana oto ib.					
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						
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 the control of th						
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)	Shallow Aquitard (D3)					
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 x No Depth (inches):						
Saturation Present? Yes No x 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:					
Demorto						
Remarks:						

T. O (D	Absolute	Dominant	Indicator	
Tree Stratum (Plot size: 30')	% Cover	Species?	Status	Dominance Test worksheet:
1. Quercus rubra	90	Yes	FACU	Number of Dominant Species
2. Pinus strobus	20	<u>No</u>	<u>FACU</u>	That Are OBL, FACW, or FAC:0 (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: 0.0% (A/B)
7				Prevalence Index worksheet:
	110	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size: 15' )				OBL species 0 x 1 = 0
1. Carpinus caroliniana	8	No	FAC	FACW species 0 x 2 = 0
Tsuga canadensis	 15	Yes	FACU	FAC species 8 x 3 = 24
Hamamelis virginiana	45	Yes	FACU	FACU species 170 x 4 = 680
4.				UPL species 0 x 5 = 0
				Column Totals: 178 (A) 704 (B)
				Prevalence Index = B/A = 3.96
· -		-		
7		T-1-1 0		Hydrophytic Vegetation Indicators:
	68	=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 <sup>1</sup>
2.				4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3				data in Remarks or on a separate sheet)
4				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5.				<sup>1</sup> 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.				Continuate the Alexander of the Continuate the Cont
11.				Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.
12.				
		=Total Cover		<b>Herb</b> – 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.
1.				neight.
2.				Hydrophytic
3.				Vegetation
4				Present? Yes No _X
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Sampling Point: C-CP-J-1 Upl

SOIL Sampling Point C-CP-J-1 Upl

		o the de				ator or co	onfirm the absence of	indicators.)
Depth (inches)	Matrix	%		K Featur		Loc <sup>2</sup>	Toyturo	Domarka
(inches) 0-5	Color (moist) 10YR 2/1	100	Color (moist)		Type <sup>1</sup>	Loc	Texture	Remarks
	10111 2/1	100					Loamy/Clayey	with organics
5-18	10YR 4/4	_50_	10YR 4/6	_50_	<u>C</u>	<u>M</u>	Loamy/Clayey	Distinct redox concentrations
								_
								_
<sup>1</sup> Type: C=C	oncentration, D=Depl	etion, RN	/I=Reduced Matrix, M	1S=Mas	ked Sand	d Grains.	<sup>2</sup> Location: PL	=Pore Lining, M=Matrix.
Hydric Soil	Indicators:						Indicators for	r Problematic Hydric Soils <sup>3</sup> :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) (	LRR R,	2 cm Muc	k (A10) ( <b>LRR K, L, MLRA 149B</b> )
Histic Ep	oipedon (A2)		MLRA 149B	)			Coast Pra	irie Redox (A16) ( <b>LRR K, L, R</b> )
	stic (A3)		Thin Dark Surfa				· —	ky Peat or Peat (S3) ( <b>LRR K, L, R</b> )
	n Sulfide (A4)		High Chroma S					Below Surface (S8) (LRR K, L)
	d Layers (A5)	(444)	Loamy Mucky I			RK,L)		Surface (S9) (LRR K, L)
	d Below Dark Surface ark Surface (A12)	(A11)	Loamy Gleyed		F2)			ganese Masses (F12) (LRR K, L, R)
	Mucky Mineral (S1)		Depleted Matrix Redox Dark Su		6)			Floodplain Soils (F19) ( <b>MLRA 149B</b> )  odic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
	Gleyed Matrix (S4)		Depleted Dark					nt Material (F21)
	Redox (S5)		Redox Depress					low Dark Surface (F22)
	Matrix (S6)		Marl (F10) ( <b>LR</b>		•			plain in Remarks)
Dark Su	rface (S7)						<del></del>	
	f hydrophytic vegetati	on and w	vetland hydrology mu	ıst be pı	esent, u	nless dist	urbed or problematic.	
	Layer (if observed):							
Type:	none	<u>e</u>						
Depth (ii	nches):						Hydric Soil Present	? Yes No X
Remarks:								
	m is revised from No 2015 Errata. (http://w		-					S Field Indicators of Hydric Soils,
version 7.0,	2015 Errata. (Http://w	ww.iiics.	usua.gov/internet/F3	SE_DOC	OIVIENT	3/11105 14/	2p2_051295.d0cx)	



**Upland C-CP-J-1- View facing north** 



**Upland C-CP-J-1- Soils** 

# **SITE PHOTOGRAPHS**

Project/Site:	Champlain Huds	son Express		City/Coun	nty: Saratoga	Sampling Date	December 16, 2021			
Applicant/Owner:					NY	Sampling Point:	DP-EB			
Investigator(s):	Tristen Peterson	<u> </u>		Section, To	ownship, Range: Ba	allston Spa				
Landform (hillslope,		Depression			f (concave, convex, none)	•	Slope (%): 1			
	·	LRR R		Lat: 42.918882°		.870123°W	Datum: NAD83			
Subregion (LRR or	-		t alenee	Lat. 42.910002	N Long. 10					
Soil Map Unit Name		aug muck, 0 to 2 pe					t Mapped			
Are climatic / hydrol	_	• •	-			(If no, explain in Remarks.)				
		, or Hydrology				al Circumstances" present?	Yes X No			
Are Vegetation	, Soil	, or Hydrology	natu	rally problematic?	(If needed,	explain any answers in Remarks	·.)			
SUMMA	ARY OF FIND	INGS – Attach	ո site map ։	showing sam	pling point locatio	ns, transects, importan	t features, etc.			
Hydrophytic Vege	etation Present?	Yes	<b>X</b> No		Is the Sampled Area					
Hydric Soil Prese		Yes	X No	-	within a Wetland?	Yes X No				
Wetland Hydrolog		Yes	X No		If yes, optional Wetland	Site ID: EB				
LIVEROLOGY										
HYDROLOGY	* P					2				
Wetland Hydrolo						Secondary Indicators (mir				
		e is required; check				Surface Soil Cracks (B6				
Surface Wat				-Stained Leaves (E	39)	X Drainage Patterns (B10	')			
X High Water				ic Fauna (B13)		Moss Trim Lines (B16)				
Saturation (A Water Marks	•			Deposits (B15) gen Sulfide Odor (	(C1)	Dry-Season Water Table (C2)				
Sediment De	-			-	on Living Roots (C3)	Crayfish Burrows (C8)				
Drift Deposit	. , ,		_	nce of Reduced Iro	= ' '	ots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1)				
Algal Mat or			_	it Iron Reduction in	• ,					
Iron Deposits	, ,			fluck Surface (C7)	,	Shallow Aquitard (D3)				
<del></del>	/isible on Aerial Im	nagery (B7)		(Explain in Remark	ks)	X Microtopographic Relief (D4)				
Sparsely Ve	getated Concave	Surface (B8)	<del></del>			FAC-Neutral Test (D5)				
Field Observatio	ns:									
Surface Water Pro	esent?	Yes No								
Water Table Pres	ent?	Yes X No			Wetlar	nd Hydrology Present? Yes	s <u>X</u> No			
Saturation Preser		Yes No	X Depth	ı (inches):						
(includes capillary	<u> </u>	arrae monitoring w	call carial phot	an provious inens	ections), if available:					
Describe Necorde	10 Dala (Siream y	auge, monitoring w	/eli, aeriai priod	os, previous irispe	CTIONS), II avallable.					
Remarks:										

	Absolute		Indicator	Dominance Test		
ree Stratum (Plot size: 30 ft.)	% Cover	Species?	Status	Dominance Test worksheet:  Number of Dominant Species		
. Quercus bicolor	20	Yes	FACW	That Are OBL, FACW, or FAC	: <u>2</u> (A)	
. Tsuga canadensis	10	Yes	FACU	T		
				Total Number of Dominant Species Across All Strata:	3 (B)	
. —	<u> </u>			Percent of Dominant Species That Are OBL, FACW, or FAC	: 66.6 (A/E	
i						
S				Prevalence Index worksheet	:	
<sup>7</sup> .				Total % Cover of:	Multiply by:	
	30	= Total Cover		OBL species 0	x 1 = 0	
apling/Shrub Stratum (Plot size: 15 ft.)				FACW species 50	x 2 = 100	
				FAC species 0	x 3 = 0	
-				FACU species 10	x 4 = 40	
				UPL species 0	x 5 = 0	
·				Column Totals: 60	(A) <u>140</u> (B	
				Describe 1 1 5 //	0.00	
i				Prevalence Index = B/A	= 2.33	
5				Hydrophytic Vegetation Indi		
				1 - Rapid Test for Hydrop		
		T-4-1 O		X 2 - Dominance Test is >5 X 3 - Prevalence Index is ≤		
erb Stratum (Plot size: 5 ft.)	0	= Total Cover		4 - Morphological Adapta		
0 1 ""				data in Remarks or or		
Onoclea sensibilis		Yes	FACW		1	
				Problematic Hydrophytic	Vegetation (Explain)	
				<sup>1</sup> Indicators of hydric soil and w	etland hydrology must	
				be present, unless disturbed o	r problematic.	
				Definitions of Vegetation Str	ata:	
x				Tree – Woody plants 3 in. (7.6	cm) or more in diameter	
				at breast height (DBH), regard	•	
3.				Sapling/shrub – Woody plant	a loss than 2 in DPU	
				and greater than or equal to 3.		
l						
0				<b>Herb</b> – All herbaceous (non-w size, and woody plants less that		
1						
2				Woody vines – All woody vine height.	es greater than 3.28 ft in	
	30	= Total Cover				
oody Vine Stratum (Plot size: 30 ft.)						
· <u> </u>				Hydrophytic		
				Vegetation		
				Present? Yes	X No	
ı						
	0	= Total Cove				
	U	- 101010016	•	I.		

SOIL Sampling Point: DP-EB 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 4/1 80 7.5YR 5/6 Clay <sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. <sup>2</sup>Location: PL=Pore Lining, M=Matrix. **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils<sup>3</sup>: 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) <sup>3</sup>Indicators 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 EB- View facing South



**Wetland EB- Soils** 

# **SITE PHOTOGRAPHS**

Project/Site:	Champlain Huds	son Express		City/Coun	nty: Sarato	oga	Sampling Date:	December 16, 2021	
Applicant/Owner:	CHA			State:	NY		Sampling Point:	DP-EB-Upland	
Investigator(s):									
Landform (hillslope,		Terrace			f (concave, con			Slope (%): 2	
	·				•				
Subregion (LRR or	-	LRR R		Lat: 42.919020	°N	Long: 73.870109°W		Datum: NAD83	
Soil Map Unit Name	e: NcA - Natcha	aug muck, 0 to 2 p	ercent slopes			NWI cla	ssification: Not I	Mapped	
Are climatic / hydrol	logic conditions or	n the site typical fo	r this time of ye	ar? Yes	<b>X</b> N	o (If no, explain	in Remarks.)		
Are Vegetation	, Soil	, or Hydrology	sign	ificantly disturbed	? A	are "Normal Circumstances	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 FIND	- INGS – Attacl	h site map :	showing sam	pling point	locations, transec	ts, important t	features, etc.	
Lister - butio \/ogo	· Sar Dresenta	Vac	No	v	is the Commi				
Hydrophytic Vege Hydric Soil Prese		•		X	Is the Sample within a Wetl		No	X	
Wetland Hydrolog		-	No		If was optional	al Wetland Site ID:	<del></del>		
Remarks: (Explain		•			li yes, opiioni	di Welidila ole ib.			
HYDROLOGY									
Wetland Hydrolo	gy Indicators:					Seconda	ry Indicators (minir	mum of two required)	
Primary Indicators	s (minimum of one	e is required; check	call that apply)			Surface	e Soil Cracks (B6)		
Surface Wate	er (A1)			Stained Leaves (E	B9)	Draina	ge Patterns (B10)		
High Water				c Fauna (B13)			rim Lines (B16)		
Saturation (A	•		· <del></del>	eposits (B15)		Dry-Season Water Table (C2)			
<u> </u>							sh Burrows (C8)		
Sediment De	. , ,		_	ed Rhizospheres o	_				
	Drift Deposits (B3) Presence of Reduced Iron (C4)			` '	Stunted or Stressed Plants (D1)				
I —	Algal Mat or Crust (B4) Recent Iron Reduction in Tilled Soils (Call Iron Re			1 Tillea Solis (C					
Iron Deposits (B5) Thin Muck Surface (C7) Shallow Aquitard (D3) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remarks) Microtopographic Relief (D4)						D4)			
	getated Concave			LXPIAIT III TOTIA	K5)		eutral Test (D5)	J <del>4</del> )	
Field Observatio						<del>_</del>	, , , , , , , , , , , , , , , , ,		
Surface Water Pre		Yes No	X Depth	(inches):					
Water Table Pres		Yes No				Wetland Hydrology P	resent? Yes	No X	
Saturation Preser	nt?	Yes No	·						
(includes capillary	/ fringe)								
Describe Recorde	ed Data (stream ga	auge, monitoring w	vell, aerial photo	os, previous inspe	ections), if availa	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	60	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC:	0 (A)	
2.				mat Are Obl., I AOW, OF I AO.	(A)	
3.				Total Number of Dominant Species Across All Strata:	1 (B)	
					. (2)	
4				Percent of Dominant Species That Are OBL, FACW, or FAC:	0 (A/B)	
5						
6				Prevalence Index worksheet:		
7		T		Total % Cover of:	Multiply by:	
	60	= Total Cover			x 1 = 0	
Sapling/Shrub Stratum (Plot size: 15 ft.)				· ·	x 2 = 0 $x 3 = 0$	
1				· · · · · · · · · · · · · · · · · · ·	x = 4 = 240	
2					$x = \frac{210}{}$ $x = 0$	
3					(A) 240 (B)	
4						
5				Prevalence Index = B/A = 4		
6				Hydrophytic Vegetation Indicators:		
7				1 - Rapid Test for Hydrophytic Vegetation		
	0	Total Caver		2 - Dominance Test is >50%		
Herb Stratum (Plot size: 5 ft.)		= Total Cover		3 - Prevalence Index is ≤3.0 <sup>1</sup> 4 - Morphological Adaptations <sup>1</sup> (Provide supporting		
,				data in Remarks or on a s		
1				Problematic Hydrophytic Veg	etation <sup>1</sup> (Evoluin)	
2.						
3				Indicators of hydric soil and wetland hydrology must     be present, unless disturbed or problematic.		
4						
5				Definitions of Vegetation Strata:		
6				Tree – Woody plants 3 in. (7.6 cm) or more in diameter		
7				at breast height (DBH), regardless	of height.	
8				Sapling/shrub – Woody plants les		
9				and greater than or equal to 3.28 f	,	
10				Herb – All herbaceous (non-woody size, and woody plants less than 3	,	
11.						
12.				Woody vines – All woody vines gr height.	eater than 3.28 ft in	
	0	= Total Cover				
Woody Vine Stratum (Plot size: 30 ft.)						
1.						
				Hydrophytic		
2				Vegetation	v	
3				Present? Yes	NoX	
4						
	0	= Total Cove	r			
Remarks: (Include photo numbers here or on a separate sheet.)  No hydrophytic vegetation found at data point						
No nydropnytic vegetation found at data point						

Sampling Point: DP-EB-Upland

SOIL Sampling Point: DP-EB-Upland 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 3/2 100 Silty Clay Loam 10YR 4/4 100 <sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. <sup>2</sup>Location: PL=Pore Lining, M=Matrix. **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils<sup>3</sup>: 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) 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) <sup>3</sup>Indicators 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: 6 inches could not dig past due to root refusal, no hydric soils present at data point



**Upland EB- View facing South** 



**Upland EB- Soils** 

# **SITE PHOTOGRAPHS**

### WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site:	Champlain Huds	son Express		City/Coun	nty: Sarato	ga	Sampling Date	e: December 16, 2021	
Applicant/Owner:	СНА			State:	NY		Sampling Point	t: DP-DZ	
Investigator(s):	Tristen Peterson	<u> </u>		Section, To	ownship, Range	: Ballston Spa			
Landform (hillslope,		Depression			f (concave, conv		ncave	Slope (%): 1	
		LRR R		Lat: 42.916031°	•	Long: 73.871763°W		Slope (70)1	
Subregion (LRR or I	-		nlav		TN L	· ·			
Soil Map Unit Name		dalbin-Manlius-Nass			Y 11			ot Mapped	
Are climatic / hydrol	· ·	•	•			(If no, ex			
		, or Hydrology				re "Normal Circumst	ances" present?	Yes <b>X</b> No	
Are Vegetation	, Soil	, or Hydrology	natu	rally problematic?	? (If	needed, explain any	y answers in Remark	s.)	
SUMMA	ARY OF FIND	INGS – Attach	site map	showing sam	pling point	locations, tran	sects, importar	nt features, etc.	
Hydrophytic Vege	etation Present?	Yes	<b>X</b> No		Is the Sample	ed Area			
Hydric Soil Presei		Yes	<b>X</b> No		within a Wetla		Yes X No	·	
Wetland Hydrolog		Yes	X No		If yes, optiona	l Wetland Site ID:	DZ	_	
LIVEROLOGY									
HYDROLOGY									
Wetland Hydrolo						<u>-</u>		ninimum of two required)	
		e is required; check			- · · ·		urface Soil Cracks (B	·	
Surface Water 7				-Stained Leaves (E	B9)	Drainage Patterns (B10)			
X High Water 1				c Fauna (B13)		Moss Trim Lines (B16)			
X Saturation (A Water Marks	•		' <u></u>	eposits (B15) gen Sulfide Odor (	(C1)	Dry-Season Water Table (C2)			
Sediment De				gen Suilide Odor ( ed Rhizospheres (		Crayfish Burrows (C8)  Saturation Visible on Aerial Imageny (C9)			
Drift Deposits				nce of Reduced Iro	=	ots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1)			
Algal Mat or				t Iron Reduction in	` ,	<u> </u>			
Iron Deposits	` '			luck Surface (C7)	-		hallow Aquitard (D3)	•	
l —	isible on Aerial Im	nagery (B7)	_	(Explain in Remar		X Microtopographic Relief (D4)			
Sparsely Veg	getated Concave	Surface (B8)	_			_	AC-Neutral Test (D5)		
Field Observatio	ns:					-	-		
Surface Water Pre	esent?	Yes No							
Water Table Pres	ent?	Yes X No	· <del></del>			Wetland Hydrolo	ogy Present? Ye	es <u>X</u> No	
Saturation Presen		Yes X No	Depth	ı (inches): 1					
(includes capillary	<u> </u>	auge, monitoring w	uoli perial nhot	os previous inspe	octions) if availa	ahla:			
Describe Records	u Data (Stroum g	auge, mormoning	ell, aeriai prios	us, previous mopo	olions), n avano	ible.			
Remarks:									

ree Stratum (Plot size: 30 ft.)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
. Quercus bicolor	35	Yes	FACW	Number of Dominant Species That Are OBL, FACW, or FAC:	3 (A)
. Acer rubrum	20	Yes	FAC	matric obe, thow, of the.	(A)
0 1				Total Number of Dominant Species Across All Strata:	3 (B)
Quercus rubra	10	No	FACU	Species Across Air Strata.	3(B)
				Percent of Dominant Species That Are OBL, FACW, or FAC:	100 (A/E
				That Are OBL, I ACVV, OF I AC.	(A/E
				Prevalence Index worksheet:	
				Total % Cover of:	Multiply by:
	65	= Total Cover		OBL species 0	x 1 = 0
oling/Shrub Stratum (Plot size: 15 ft.)				FACW species 65	x 2 = 130
				FAC species 20	x 3 = 60
				FACU species 10	x 4 = 40
_				UPL species 0	x 5 = 0
				Column Totals: 95	(A) <u>230</u> (B
				<b>D</b>	0.40
				Prevalence Index = B/A =	= 2.42
				Hydrophytic Vegetation Indica	
				1 - Rapid Test for Hydroph	
	0	= Total Cover		X 2 - Dominance Test is >50 X 3 - Prevalence Index is ≤3.	
rb Stratum (Plot size: 5 ft.)	0	= Total Cover		4 - Morphological Adaptation	
	20	Vaa	EAC)A/	data in Remarks or on	
		Yes	FACW		1 /e
				Problematic Hydrophytic V	
				<sup>1</sup> Indicators of hydric soil and we	·
				be present, unless disturbed or	problematic.
				Definitions of Vegetation Stra	ta:
·				Tree – Woody plants 3 in. (7.6 c	cm) or more in diameter
-				at breast height (DBH), regardle	ess of height.
				Sapling/shrub – Woody plants	less than 3 in. DBH
				and greater than or equal to 3.2	
				Herb – All herbaceous (non-wo	ody) plants, regardless of
0				size, and woody plants less than	
1				Woody vines – All woody vines	greater than 3.28 ft in
2				height.	
	30	= Total Cover			
oody Vine Stratum (Plot size: 30 ft.)					
				Hydrophytic	
				Vegetation	Υ
				Present? Yes	No
	0	= Total Cove	r		

SOIL Sampling Point: DP-DZ 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 2.5Y 4/1 7.5YR 5/8 Clay <sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. <sup>2</sup>Location: PL=Pore Lining, M=Matrix. **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils<sup>3</sup>: 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) <sup>3</sup>Indicators 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 DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site:	Champlain Hud	son Express		City	y/County:	Saratoga		Sampling Date:	December 16,	, 2021
Applicant/Owner:	СНА			Sta	ite:	NY		Sampling Point:	DP-DZ-Upland	d
Investigator(s):	Tristen Petersor	n		Sect	ion, Town	ship, Range:	Ballston Spa	·		
Landform (hillslope,		Toeslope		,		oncave, convex,			Slope (%):	3
Subregion (LRR or	•	LRR R		Lat: 42.9			g: 73.871706°W		Datum: NAD8	
			-:: complex		1011011			:===tion: Not I		
Soil Map Unit Name		dalbin-Manlius-Nas							Mapped	
Are climatic / hydro	logic conditions of	n the site typical fo	r this time of	year? Yes	-	No	(If no, explain	in Remarks.)		
Are Vegetation _	, Soil	, or Hydrology	si	gnificantly dist	turbed?	Are "I	Normal Circumstances	" present?	Yes X No	٥
Are Vegetation	, Soil	, or Hydrology	na	turally proble	matic?	(If nea	eded, explain any ansv	wers in Remarks.)		
SUMMA	ARY OF FIND	INGS – Attacl	h site mar	showing	sampli	ng point lo	cations, transect	ts, important t	features, etc.	
Hydrophytic Vogo	otation Procent?	Voc	N	。 <b>X</b>	le	the Sampled A	Aroa			
Hydrophytic Vege Hydric Soil Prese		Yes <sub>.</sub> Yes	N			the Sampled A ithin a Wetland		No	X	
Wetland Hydrolog		Yes	N		lf v	yes, optional We	etland Site ID:			
-	-	dures here or in a s				/60, optiona	ellana ono ib.			
HYDROLOGY  Wetland Hydrolo	eav Indicators:						Seconda	ry Indicators (minin	num of two requir	rod)
=				*			-		num oi iwo requir	ea)
•		e is required; checl			- (20)			e Soil Cracks (B6)		
Surface Wat				er-Stained Lea				ge Patterns (B10)		
High Water Saturation (A	7			atic Fauna (B1 Deposits (B1	•		Moss Trim Lines (B16) Dry-Season Water Table (C2)			
Water Marks	•			ogen Sulfide	•		Crayfish Burrows (C8)			
Sediment De				-		-iving Roots (C3			al Imagery (C9)	
Drift Deposit				ence of Redu		= -	ots (C3) Saturation Visible on Aerial Imagery (C9) Stunted or Stressed Plants (D1)			
Algal Mat or	` '					led Soils (C6)	<del>_</del>			
Iron Deposit				Muck Surface		•		v Aquitard (D3)	,	
	/isible on Aerial In	nagery (B7)	Othe	er (Explain in F	Remarks)		<del></del>	pographic Relief (I	D4)	
Sparsely Ve	getated Concave	Surface (B8)					FAC-N	eutral Test (D5)		
Field Observation	ons:									
Surface Water Pr	esent?	Yes No								
Water Table Pres	ent?	Yes No				V	Wetland Hydrology P	resent? Yes	No _	X
Saturation Preser		Yes No	X Dep	oth (inches):						
(includes capillary			uall agriclate	otoo province	. inonostio	na) if available				
Describe Records	30 Data (Stream g	gauge, monitoring v	veii, aeriai pri	blos, previous	sinspectio	ris), ii avallable	:			
Remarks:										
No wetland hyd	rology present	at data point								

Tree Stratum (Plot size: 30 ft. )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:	
Quercus rubra	30	Yes	FACU	Number of Dominant Species That Are OBL, FACW, or FAC:	0 (A)
Acer platanoides			UPL		(A)
3.				Total Number of Dominant Species Across All Strata:	2 (B)
4				Percent of Dominant Species	
5.				That Are OBL, FACW, or FAC:	0 (A/B)
6.					
7.				Prevalence Index worksheet: Total % Cover of:	Multiply by:
		= Total Cover			x 1 = 0
Sapling/Shrub Stratum (Plot size: 15 ft.)				FACW species 0	x 2 = 0
1					x 3 = 0
2					x 4 = <u>120</u>
3.					$x 5 = \frac{75}{405}$
4.				Column Totals: 45	(A) <u>195</u> (B)
5.				Prevalence Index = B/A = 4.	33
6.				Hydrophytic Vegetation Indicato	rs:
7.				1 - Rapid Test for Hydrophytic	
				2 - Dominance Test is >50%	
Herb Stratum (Plot size: 5 ft.)	0	= Total Cover		3 - Prevalence Index is ≤3.0 <sup>1</sup> 4 - Morphological Adaptations	s <sup>1</sup> (Provide supporting
1				data in Remarks or on a s	
2				Problematic Hydrophytic Veg	etation <sup>1</sup> (Explain)
3.				<sup>1</sup> Indicators of hydric soil and wetla	
				be present, unless disturbed or pro	•
5				Definitions of Vegetation Strata:	
				Tree – Woody plants 3 in. (7.6 cm)	
7.				at breast height (DBH), regardless	
8				Sapling/shrub – Woody plants les	ss than 3 in. DBH
9.				and greater than or equal to 3.28 f	
10.				Herb – All herbaceous (non-woody	/) plants, regardless of
11.				size, and woody plants less than 3	.28 ft tall.
				Woody vines – All woody vines gr	eater than 3.28 ft in
12		= Total Cover		height.	
Woody Vine Stratum (Plot size: 30 ft.)	0	- 10tal 00vel			
1				Hydrophytic	
2				Vegetation	v
3				Present? Yes	NoX
4					
	0	= Total Cove	r		
Remarks: (Include photo numbers here or on a separate sheet.)  No hydrophytic vegetation found at data point					

Sampling Point: DP-DZ-Upland

SOIL Sampling Point: DP-DZ-Upland 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 4/3 100 Silty Clay Loam <sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. <sup>2</sup>Location: PL=Pore Lining, M=Matrix. **Hydric Soil Indicators:** Indicators for Problematic Hydric Soils<sup>3</sup>: 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) 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) <sup>3</sup>Indicators 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: Root refusal, could not dig past 8 inches due to roots

#### 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: Ballstor	ո Lake/ Saratoga	Sampling Date: 1/5/23		
Applicant/Owner: TDI			State: NY	Sampling Point: P4A-N Wet		
Investigator(s): J. Greaves & N. Frazer		Section, Tov	wnship, Range:			
Landform (hillside, terrace, etc.): Hillslope	Local re	elief (concave, conve	x, none): Convex	Slope %: 1		
Subregion (LRR or MLRA): LRR R	 Lat:	Long:		 Datum: NAD83		
,			NWI classification:			
		Yes x	No (If no. (	explain in Remarks.)		
, ,	**		<del></del>			
<del></del> -						
estigator(s): J. Greaves & N. Frazer Section, Township, Range:    Indigord (Illiside, terrace, etc.)						
	1	<del></del>		•		
		•		N <sub>a</sub>		
·						
		II yes, optional 115	tidlid Oile ID. 140di Ilag	F4/\-1\-4		
	re or in a separate report.					
Trou maple maranessa smaller						
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	s (B6)		
X Surface Water (A1)	Water-Stained Leaves (B	9)		· ·		
X High Water Table (A2)						
X Saturation (A3)						
l <del></del>	<del></del>	(C1) Crayfish Burrows (C8)				
l <del></del>				=		
l <del></del>		Tilled Soils (C6)		` '		
		•		·		
l <del></del>	· <del></del>	is)				
<del></del>	8)		X FAC-Neutral Test (L	05)		
	Double (inches)	2.5				
	<u> </u>					
<del></del>			d Undralagy Procent?	Vac Y No		
	NO Depth (inches)	VVELIAII	a Hydrology Fresent:	162 V NO		
	nitoring well aerial photos prev	vious inspections) if	available <sup>.</sup>			
Booking (Caram gang),	mtoring mon, dona. prictor, p. 1.	vious mopes,	avanasis.			
Remarks:						

	Absolute	Dominant	Indicator				
ree Stratum (Plot size:30')	% Cover	Species?	Status	Dominance Test worksheet:			
Acer rubrum	50	Yes	<u>FAC</u>	Number of Dominant Species			
. Fraxinus pennsylvanica	10	No	FACW	That Are OBL, FACW, or FAC:5(	A)		
Ulmus americana	10	No	FACW	Total Number of Dominant			
·				Species Across All Strata: 5 (l	B)		
· <u> </u>				Percent of Dominant Species			
				That Are OBL, FACW, or FAC:100.0% (A	A/B		
·				Prevalence Index worksheet:			
-	70	=Total Cover		Total % Cover of: Multiply by:	_		
apling/Shrub Stratum (Plot size:)				OBL species0 x 1 =0	_		
. Acer rubrum	10	Yes	FAC	FACW species 100 x 2 = 200	_		
. Fraxinus pennsylvanica	10	Yes	FACW	FAC species60 x 3 =180	_		
. Ulmus americana	10	Yes	FACW	FACU species 2 x 4 = 8	_		
				UPL species0 x 5 =0			
				Column Totals: 162 (A) 388	(B		
				Prevalence Index = B/A = 2.40	_		
				Hydrophytic Vegetation Indicators:	_		
	30	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
lerb Stratum (Plot size: 5' )				X 2 - Dominance Test is >50%			
Impatiens capensis	50	Yes	FACW	X 3 - Prevalence Index is ≤3.0 <sup>1</sup>			
Bidens frondosa	5	No	FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supportin			
Fraxinus pennsylvanica	5	No	FACW	data in Remarks or on a separate sheet)			
Rosa multiflora	2	No	FACU	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain	1)		
				<del>                                   </del>			
				<sup>1</sup> Indicators of hydric soil and wetland hydrology me be present, unless disturbed or problematic.	ust		
·				Definitions of Vegetation Strata:			
·				Tree – Woody plants 3 in. (7.6 cm) or more in			
·				diameter at breast height (DBH), regardless of hei	ight		
0				Sapling/shrub – Woody plants less than 3 in. DB	кН		
1				and greater than or equal to 3.28 ft (1 m) tall.	•		
2.				Herb – All herbaceous (non-woody) plants, regard	dloc.		
	62	=Total Cover		of size, and woody plants less than 3.28 ft tall.	1162		
Voody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28	ft i		
·				height.			
				l			
				Hydrophytic Vegetation			
				Present? Yes X No No			
		=Total Cover					

SOIL Sampling Point P4A-N Wet

		the de				ator or co	onfirm the absence of	f indicators.)
Depth	Matrix			x Featur		. 2	<b>-</b> .	
(inches)	Color (moist)		Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-16	7.5YR 3/1	60	10YR 3/6	30	<u> </u>	<u>m</u>	Loamy/Clayey	Prominent redox concentrations
			7.5YR 3/4	_10	С	m		Distinct redox concentrations
	·							
<sup>1</sup> Type: C=Co	ncentration, D=Deple	tion. RN	/=Reduced Matrix. N	//S=Mas	ked Sand	d Grains.	<sup>2</sup> Location: P	L=Pore Lining, M=Matrix.
Hydric Soil I								or Problematic Hydric Soils <sup>3</sup> :
Histosol (			Dark Surface (	S7)				ick (A10) ( <b>LRR K, L, MLRA 149B</b> )
Histic Ep	ipedon (A2)		Polyvalue Belo	w Surfa	ce (S8) (l	LRR R,	Coast Pr	airie Redox (A16) ( <b>LRR K, L, R</b> )
Black His	stic (A3)		MLRA 149B	)			5 cm Mu	cky Peat or Peat (S3) ( <b>LRR K, L, R</b> )
Hydroger	n Sulfide (A4)		Thin Dark Surf	ace (S9)	(LRR R	, MLRA 1	149B) Polyvalu	e Below Surface (S8) ( <b>LRR K, L</b> )
Stratified	Layers (A5)		High Chroma S	Sands (S	311) ( <b>LRI</b>	R K, L)	Thin Dar	k Surface (S9) ( <b>LRR K, L</b> )
Depleted	Below Dark Surface	(A11)	Loamy Mucky	Mineral	(F1) ( <b>LR</b> I	RK, L)	Iron-Mar	nganese Masses (F12) ( <b>LRR K, L, R</b> )
	rk Surface (A12)		Loamy Gleyed		F2)			t Floodplain Soils (F19) ( <b>MLRA 149B</b> )
	odic (A17)		Depleted Matri					ent Material (F21) (outside MLRA 145)
	A 144A, 145, 149B)		X Redox Dark Su		-			allow Dark Surface (F22)
	ucky Mineral (S1)		Depleted Dark				Other (E	xplain in Remarks)
	leyed Matrix (S4)		X Redox Depress		8)		31	un af haadanahadin an d
	edox (S5) Matrix (S6)		Marl (F10) (LR Red Parent Ma		24) /MI E	DA 44E\		rs of hydrophytic vegetation and dhydrology must be present,
Suipped	Matrix (30)		Red Falent Ma	alenai (F	21) (WILF	XA 145)		d flydrology flidst be present, disturbed or problematic.
Restrictive L	ayer (if observed):						dilioso	distance of problematic.
Type:	• , , ,							
Depth (in	ches):						Hydric Soil Preser	nt? Yes <u>X</u> No
Remarks:							!	



Wetland P4A-N- View facing east



Wetland P4A-N- 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: Ballstor	n Lake/ Saratoga	Sampling Date: 1/5/23		
Applicant/Owner: TDI			State: NY	Sampling Point: P4A-N Upl		
Investigator(s): J. Greaves & N. Frazer		Section, To	wnship, Range:	<u> </u>		
Landform (hillside, terrace, etc.): Hillslope	Local re	———elief (concave, conve	ex. none): Convex	Slope %: 45		
Subregion (LRR or MLRA): LRR R		•	· —	 Datum: NAD83		
,	<del></del>		NWI classification:			
		Ves v	<del></del>	ovolain in Remarks )		
, ,	,		`	,		
			•			
State: NY   Sampling Point:   PANN Ly   Sampling Point:						
SUMMARY OF FINDINGS – Attach	site map showing samp	pling point loca	tions, transects, im	portant 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: <u>near flag</u>	P4A-N-4		
	ere or in a separate report.)	<u> </u>				
Successional northern hardwoods.						
HYDROLOGY						
Wetland Hydrology Indicators:			Secondary Indicators (n	ninimum of two required)		
Primary Indicators (minimum of one is require	ed; check all that apply)		Surface Soil Cracks	s (B6)		
Surface Water (A1)	Water-Stained Leaves (B	19)				
<del></del>						
		· · · · · · · · · · · · · · · · · · ·				
		` '				
l <del></del>						
l <del></del>						
<del></del>	· — · · · ·	.5)				
Field Observations:						
	No X Depth (inches):					
			d Hydrology Present?	Yes No _X_		
(includes capillary fringe)						
Describe Recorded Data (stream gauge, mor	nitoring well, aerial photos, prev	vious inspections), if	available:			
Remarks:						

Trac Stratum (Diet size: 201	Absolute	Dominant	Indicator	Dominance Test worksheet:
Tree Stratum (Plot size: 30' )  1. Rhus typhina	% Cover 15	Species?	Status UPL	Dominance rest worksneet:
	15	Yes		Number of Dominant Species That Are OBL. FACW. or FAC: 3 (A)
2. Fagus grandifolia		Yes	FACU_ UPL	That Are OBL, FACW, or FAC:3(A)
3. Acer platanoides	10	Yes		Total Number of Dominant Species Across All Strata: 9 (B)
4. Quercus alba	10	Yes	FACU	Species Across All Strata: 9 (B)
5.				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC:33.3%(A/B)  Prevalence Index worksheet:
7	50	=Total Cover		
Sapling/Shrub Stratum (Plot size: 15' )		- Total Cover		
	10	Yes	FAC	· — — —
				' <del></del>
2. Lonicera morrowii	10	Yes	FACU	· — —
3.				FACU species 45 x 4 = 180
4.				UPL species 30 x 5 = 150
5.				Column Totals: 125 (A) 460 (B)
6.				Prevalence Index = B/A = 3.68
7				Hydrophytic Vegetation Indicators:
	20	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' )				2 - Dominance Test is >50%
1. Setaria pumila	20	Yes	FAC	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Onoclea sensibilis	20	Yes	FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
3. Centaurea stoebe	5	No	UPL	
4				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5				<sup>1</sup> 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				<b>Herb</b> – All herbaceous (non-woody) plants, regardless
	45	=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	<u>FACU</u>	height.
2.				Hydrophytic
3.				Vegetation
4				Present?
	10	=Total Cover		
Remarks: (Include photo numbers here or on a separate	rate sheet.)			

Sampling Point: P4A-N Upl

SOIL Sampling Point P4A-N Upl

Profile Desc Depth	ription: (Describe t Matrix	to the de		<b>ument th</b> x Featur		itor or co	onfirm the absence o	f indicators	s.)	
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remark	s
(1101100)					1700		Toxtaro		rtomant	
1Type: C=Co	ncentration, D=Depl	etion RM	M-Reduced Matrix N	  S=Masl	wed Sand		<sup>2</sup> Location: P	I -Pore I ini	na M-Matr	
Hydric Soil I		Ction, raiv	I-Reduced Matrix, N	/IO-IVIASI	ica Garic	Oranis.	Indicators for			
-			Dark Surface (	C7)					-	
Histosol	` '		Dark Surface (		(00) (			ıck (A10) ( <b>L</b>		•
	ipedon (A2)		Polyvalue Belo		ce (S8) (I	LRK K,		rairie Redox		
Black His			MLRA 149B	,				-		(LRR K, L, R)
	n Sulfide (A4)		Thin Dark Surf		-			ie Below Su		•
	Layers (A5)		High Chroma S	Sands (S	311) ( <b>LR</b> F	R K, L)	Thin Dai	rk Surface (	S9) ( <b>LRR K</b>	, <b>L</b> )
Depleted	Below Dark Surface	e (A11)	Loamy Mucky	Mineral (	(F1) ( <b>LR</b> I	R K, L)	Iron-Mar	nganese Ma	sses (F12)	(LRR K, L, R)
Thick Da	rk Surface (A12)		Loamy Gleyed	Matrix (	F2)		Piedmor	nt Floodplair	n Soils (F19	) (MLRA 149B)
Mesic Sp	odic (A17)		Depleted Matri	x (F3)			Red Par	ent Material	(F21) (outs	side MLRA 145)
(MLR	A 144A, 145, 149B)		Redox Dark Su	ırface (F	6)		Very Sha	allow Dark S	Surface (F22	2)
Sandy M	ucky Mineral (S1)		Depleted Dark	Surface	(F7)		Other (E	xplain in Re	emarks)	
Sandy G	leyed Matrix (S4)		Redox Depress	sions (F	8)					
	edox (S5)		Marl (F10) ( <b>LR</b>		•		<sup>3</sup> Indicato	ors of hydrop	ohvtic veaet	ation and
	Matrix (S6)		Red Parent Ma		21) <b>(MI F</b>	2Δ 145)		nd hydrology	-	
опіррод	Wattix (OO)		— Rod r dront we	atoriai (i	21) (IVILI	ux 140)		disturbed of		
Postrictivo I	.ayer (if observed):						dilicas	distarbed (	эт ртоыстта	110.
Type:	ayer (ii observed).									
-	-1 \						Uhadala Oali Baasaa	- 40	V	N. V
Depth (in	cnes):						Hydric Soil Presei	nt?	Yes	NoX
Remarks:										
Soils consist	of railroad ballast.									



**Upland P4A-N- View facing north** 



**Upland P4A-N- 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: Ballstor	n/ Saratoga	Sampling Date: 1/5/23		
Applicant/Owner: TDI			State: NY	Sampling Point: P4A-O Wet		
Investigator(s): J. Greaves & N. Frazer		Section, To	wnship, Range:	<u> </u>		
Landform (hillside, terrace, etc.): Depression	n Local re	elief (concave, conve	ex. none): Concave	Slope %: 3		
Subregion (LRR or MLRA): LRR R	Lat: 42.909406	-	-73.876046	Datum: NAD83		
Soil Map Unit Name: Mosherville-Hornell com			NWI classification:	PEM1		
Are climatic / hydrologic conditions on the site		Vac v				
		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	oling point locat	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	etland Site ID: near flag	P4A-O-4		
Remarks: (Explain alternative procedures he Purple loosestrife marsh.	re or in a separate report.)					
HYDROLOGY						
			O	-t-t		
Wetland Hydrology Indicators:  Primary Indicators (minimum of one is require	od: check all that annly)		Surface Soil Cracks	ninimum of two required)		
X Surface Water (A1)	X Water-Stained Leaves (B9	<u></u>	X Drainage Patterns (			
X High Water Table (A2)	Aquatic Fauna (B13)	5)	Moss Trim Lines (B	· ·		
X Saturation (A3)	Marl Deposits (B15)	Dry-Season Water Table (C2)				
Water Marks (B1)	Hydrogen Sulfide Odor (C					
Sediment Deposits (B2)	Oxidized Rhizospheres on	•		n Aerial Imagery (C9)		
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)	` ,	X Shallow Aquitard (D			
Inundation Visible on Aerial Imagery (B7)	Other (Explain in Remarks	,				
Sparsely Vegetated Concave Surface (B8	·	,	X FAC-Neutral Test (I			
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?	Yes <u>X</u> No		
(includes capillary fringe)						
Describe Recorded Data (stream gauge, mon	nitoring well, aerial photos, previ	vious inspections), if	available:			
Remarks:						
кепакѕ.						

EGETATION – Use scientific names of pla	Absolute	Dominant	Indicator				
ree Stratum (Plot size:)	% Cover	Species?	Status	Dominance Test worksheet:			
. Salix alba	10	Yes	FACW	Number of Dominant Species			
Populus deltoides	3	Yes	FAC	•	5 (A)		
. Fraxinus pennsylvanica	2	No	FACW	Total Number of Dominant			
·					6 (B)		
·				Percent of Dominant Species			
				·	3%(A/B)		
				Prevalence Index worksheet:			
	15	=Total Cover		Total % Cover of: Multip	oly by:		
apling/Shrub Stratum (Plot size:15')				OBL species75 x 1 =	75		
Cornus amomum	20	Yes	FACW	FACW species 65 x 2 =	130		
Salix alba	5	No	FACW	FAC species 3 x 3 =	9		
Fraxinus pennsylvanica	3	No	FACW	FACU species 5 x 4 =	20		
				UPL species 0 x 5 =	0		
				Column Totals: 148 (A)	234 (B)		
					1.58		
				Hydrophytic Vegetation Indicators:			
	28	=Total Cover		1 - Rapid Test for Hydrophytic Veget	ation		
lerb Stratum (Plot size: 5' )		-		X 2 - Dominance Test is >50%			
. Lythrum salicaria	75	Yes	OBL	X 3 - Prevalence Index is ≤3.0 <sup>1</sup>			
Phragmites australis	25	Yes	FACW	4 - Morphological Adaptations <sup>1</sup> (Prov	ride supportin		
				data in Remarks or on a separate sheet)			
				Problematic Hydrophytic Vegetation <sup>1</sup>	<sup>1</sup> (Explain)		
				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
				<sup>1</sup> Indicators of hydric soil and wetland hyd be present, unless disturbed or problema			
		· ——		Definitions of Vegetation Strata:	illo.		
				Definitions of Vegetation Strata.			
·				Tree – Woody plants 3 in. (7.6 cm) or mo			
		<del></del>		diameter at breast height (DBH), regardle	ess of neight.		
0				Sapling/shrub – Woody plants less than			
1				and greater than or equal to 3.28 ft (1 m)	ı talı.		
2	400			Herb – All herbaceous (non-woody) plan			
	100	=Total Cover		of size, and woody plants less than 3.28	π тан.		
Voody Vine Stratum (Plot size: 30' )	_			Woody vines – All woody vines greater to	than 3.28 ft ir		
Celastrus orbiculatus	5	Yes	<u>FACU</u>	height.			
·				Hydrophytic			
·				Vegetation			
·				Present? Yes X No			
	5	=Total Cover					

SOIL Sampling Point P4A-O Wet

Profile Descri	ption: (Describe to	o the de	pth needed to doc	ıment tl	ne indica	ator or co	onfirm the absence o	f indicators.)
Depth	Matrix			x Featur		. 2	_	
(inches)	Color (moist)	<u>%</u>	Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-3	10YR 3/2	100					Loamy/Clayey	
3-10	10YR 5/2	90	10YR 3/2	5	d	<u>m</u>	Sandy	
			10YR 4/6	5	c	m		Prominent redox concentrations
1- 00							2, ,,	
Hydric Soil Inc		etion, RN	1=Reduced Matrix, N	1S=Masi	ked Sand	d Grains.		L=Pore Lining, M=Matrix.  or Problematic Hydric Soils <sup>3</sup> :
Histosol (A			Dark Surface (	S7)				ck (A10) ( <b>LRR K, L, MLRA 149B</b> )
Histic Epip	•		Polyvalue Belo	,	ce (S8) (	LRR R,		rairie Redox (A16) ( <b>LRR K, L, R</b> )
Black Histi			MLRA 149B		, , ,	·		cky Peat or Peat (S3) ( <b>LRR K, L, R</b> )
Hydrogen	Sulfide (A4)		Thin Dark Surf	ace (S9)	(LRR R	, MLRA 1	I <b>49B</b> ) Polyvalu	e Below Surface (S8) ( <b>LRR K, L</b> )
Stratified L	₋ayers (A5)		High Chroma S	Sands (S	311) ( <b>LRI</b>	R K, L)	Thin Dar	k Surface (S9) ( <b>LRR K, L</b> )
	Below Dark Surface	(A11)	Loamy Mucky	Mineral	(F1) ( <b>LR</b> I	R K, L)	Iron-Mar	iganese Masses (F12) ( <b>LRR K, L, R</b> )
	s Surface (A12)		Loamy Gleyed		F2)			t Floodplain Soils (F19) ( <b>MLRA 149B</b> )
Mesic Spo			Depleted Matri					ent Material (F21) (outside MLRA 145)
	144A, 145, 149B)		Redox Dark Su					allow Dark Surface (F22)
	cky Mineral (S1) eyed Matrix (S4)		Depleted Dark Redox Depress				Other (E	xplain in Remarks)
X Sandy Red	• , ,		Marl (F10) (LR	,	5)		<sup>3</sup> Indicato	rs of hydrophytic vegetation and
X Stripped M			Red Parent Ma		21) <b>(MI F</b>	RA 145)		d hydrology must be present,
<u>//</u> ppsa	iaum (CC)				, (			disturbed or problematic.
	yer (if observed):							
Туре:	Rock							
Depth (inc	hes):	10					Hydric Soil Preser	nt? Yes X No
Remarks: Appears to be	old fill soils							
Appears to be	old IIII solis.							



Wetland P4A-O- View facing west



Wetland P4A-O- 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: Ballstor	n/ Saratoga	Sampling Date: 1/5/23			
Applicant/Owner: TDI			State: NY	Sampling Point: P4A-O Upl			
Investigator(s): J. Greaves & N. Frazer		Section, To	wnship, Range:	<u> </u>			
Landform (hillside, terrace, etc.): Hillslope	Local re	elief (concave, conve	ex. none): Convex	Slope %: 10			
Subregion (LRR or MLRA): LRR R	Lat: 42.909438	•	-73.875882	Datum: NAD83			
Soil Map Unit Name: Mosherville-Hornell cor			NWI classification:	- Datam			
Are climatic / hydrologic conditions on the site		Voc. v	<del></del>	avalain in Damarka )			
, 0	,,	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	pling point loca	tions, transects, im	portant 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	etland Site ID: near flag	P4A-O-4			
Remarks: (Explain alternative procedures he Successional northern hardwoods.	re or in a separate report.)						
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	i9)	Drainage Patterns (	·			
High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B	·			
Saturation (A3) Water Marks (B1)	Marl Deposits (B15)	24)	Dry-Season Water Table (C2)				
Sediment Deposits (B2)	Hydrogen Sulfide Odor (C Oxidized Rhizospheres or	•	Crayfish Burrows (C8)  ng Roots (C3) Saturation Visible on Aerial Imagery (C9)				
Drift Deposits (B3)	Presence of Reduced Iron						
Algal Mat or Crust (B4)	Recent Iron Reduction in						
Iron Deposits (B5)	Thin Muck Surface (C7)	111100 00111 (00)	Shallow Aquitard (D				
Inundation Visible on Aerial Imagery (B7		(s)	Microtopographic Ro	·			
Sparsely Vegetated Concave Surface (B	· <del></del>	,	FAC-Neutral Test (				
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, mor	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:
Populus tremuloides	50	Yes	FACU	
2. Rhus typhina	10	No	UPL	Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)
3.				
4.				Total Number of Dominant Species Across All Strata: 7 (B)
5				Percent of Dominant Species
6.				That Are OBL, FACW, or FAC: 42.9% (A/B)
7				Prevalence Index worksheet:
	60	=Total Cover		Total % Cover of: Multiply by:
Sapling/Shrub Stratum (Plot size:15')				OBL species 0 x 1 = 0
1. Cornus racemosa	15	Yes	FAC	FACW species 25 x 2 = 50
2. Rhus typhina	10	Yes	UPL	FAC species25 x 3 =75
3. Rhamnus cathartica	10	Yes	FAC	FACU species 90 x 4 = 360
4. Cornus amomum	5	No	FACW	UPL species 20 x 5 = 100
5.				Column Totals: 160 (A) 585 (B)
6				Prevalence Index = B/A =3.66
7				Hydrophytic Vegetation Indicators:
	40	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:)				2 - Dominance Test is >50%
1. Solidago canadensis	30	Yes	FACU	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Onoclea sensibilis	20	Yes	FACW	4 - Morphological Adaptations (Provide supporting
3.				data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5.				<sup>1</sup> 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
	50	=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.				Hadronk, die
3.				Hydrophytic Vegetation
4				Present?
	10	=Total Cover		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			

Sampling Point: P4A-O Upl

SOIL Sampling Point P4A-O Upl

Depth	Matrix	io the dep		x Featur		1101 01 00	onfirm the absence o	i illuicati	)is.,		
(inches)	Color (moist)	%	Color (moist)	%_	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Rem	arks	
0-2	10YR 2/1	100					Loamy/Clayey				
2-7	10YR 4/3	100									
							_				
<sup>1</sup> Type: C=Co	ncentration, D=Depl	etion, RM	l=Reduced Matrix, M	1S=Mas	ked Sand	d Grains.	<sup>2</sup> Location: F	L=Pore L	ining, M=N	latrix.	
Hydric Soil Ir							Indicators f		-		
Histosol (	•		Dark Surface (		(00) (				-	, MLRA 14	
	pedon (A2)		Polyvalue Belo		ce (S8) (I	LRR R,				_RR K, L, I	-
Black His	แต (A3) เ Sulfide (A4)		MLRA 149B Thin Dark Surfa	,	(I PP P	MI DA 1				3) ( <b>LRR K</b> , 3) ( <b>LRR K</b> ,	
	Layers (A5)		High Chroma S						e (S9) ( <b>LRF</b>		<b>L</b> )
	Below Dark Surface	(A11)	Loamy Mucky							(	. L. R)
	k Surface (A12)	( )	Loamy Gleyed			,,		-		-) ( <b>MLR</b>	
Mesic Sp	odic (A17)		Depleted Matri		,				-	outside ML	
(MLRA	A 144A, 145, 149B)		Redox Dark Su	ırface (F	<del>-</del> 6)		Very Sh	allow Dar	k Surface (	F22)	
Sandy Mu	ucky Mineral (S1)		Depleted Dark	Surface	(F7)		Other (E	xplain in	Remarks)		
Sandy Gl	eyed Matrix (S4)		Redox Depress	sions (F	8)		_				
Sandy Re	` '		Marl (F10) ( <b>LR</b>					-		getation ar	nd
Stripped I	Matrix (S6)		Red Parent Ma	iterial (F	21) <b>(MLF</b>	RA 145)		-	gy must be		
Postrictivo I	ayer (if observed):						unies	s disturbe	d or proble	matic.	
Type:	rock	k									
_	ches):	7					Hydric Soil Prese	n+2	Voo	No	~
		<u> </u>					nyunc son Prese	111. f	Yes	No_	<u> </u>
Remarks:											



**Upland P4A-O- View facing west** 



**Upland P4A-O - Soils** 

## **SITE PHOTOGRAPHS**

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Ballston Lake/Saratoga Sampling Date: 12/17/21
Applicant/Owner: TDI	State: NY Sampling Point: c-cp-к-2 wet
Investigator(s): J. Greaves & K. Weiskotten	Section, Township, Range:
Landform (hillside, terrace, etc.): Depression Local	relief (concave, convex, none): Concave Slope %: 3
Subregion (LRR or MLRA): LRR R Lat: 42-54-26N	Long: 73-52-36W Datum: WGS84
Soil Map Unit Name: BvB - Broadalbin-Manlius-Nassau, complex, undulatin	ng 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	<del></del>
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.)  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) Aud Burns its (B45)	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)  Drift Deposits (B3)  Oxidized Kriizospheres C  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 Remark	
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes X No Depth (inches):	: 6
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:	

Number of Dominant Species	<u>Tree Stratum</u> (Plot size: 30' )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
That Are OBL, FACW, or FAC:   4   (A)	· ———·				Number of Dominant Species
	2.				ı ·
Percent of Dominant Species   That Are OBL, FACV, or FAC: 100.0% (A/B)	1				
Saping Shrub Stratum   (Plot size: 15' )   15	6				
Sapiling/Shrub Stratum (Plot size: 15")   15    Yes	7				Prevalence Index worksheet:
1. Comus alba			=Total Cover		Total % Cover of: Multiply by:
2. Alnus incans 3.	Sapling/Shrub Stratum (Plot size:)				OBL species25 x 1 =25
3.	1. Cornus alba	15	Yes	FACW	FACW species 100 x 2 = 200
4.	2. Alnus incana	10	Yes	FACW	FAC species0 x 3 =0
Column Totals: 125 (A) 225 (B)	3				FACU species0 x 4 =0
6. Prevalence Index = B/A = 1.80  7. Hydrophytic Vegetation Indicators:  1 - Rapid Test for Hydrophytic Vegetation  X 2 - Dominance Test is >50%  1. Phragmites australis  25 Yes OBL  3. 4 - Morphological Adaptations¹ (Provide supporting 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.  Woody Vine Stratum (Plot size: 30')  1 - Hydrophytic Vegetation Present? Yes X No  =Total Cover	4.				UPL species 0 x 5 = 0
6.	5.				Column Totals: 125 (A) 225 (B)
The first stratum (Plot size: 5')    Phragmites australis   75   Yes   FACW   X 3 - Prevalence Index is ≤3.0¹   A - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)   Problematic Hydrophytic Vegetation   4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)   Problematic Hydrophytic Vegetation¹ (Explain)   Problematic Hydrophytic Vegetation	•				Prevalence Index = B/A = 1.80
Left Stratum (Plot size:5')   25	7				Hydrophytic Vegetation Indicators:
Herb Stratum (Plot size: 5' )   1. Phragmites australis   75   Yes   FACW   X 3 - Prevalence Index is \$3.0 \cdot     2. Lythrum salicaria   25   Yes   OBL   4 - Morphological Adaptations\(^1\) (Provide supporting data in Remarks or on a separate sheet)   3.		25	=Total Cover		
1. Phragmites australis  25 Yes OBL  4 - Morphological Adaptations¹ (Provide supporting data in Remarks or on a separate sheet)  4. Problematic Hydrophytic Vegetation¹ (Explain)  5. Problematic Hydrophytic Vegetation¹ (Explain)  5. Problematic Hydrophytic Vegetation¹ (Explain)  7 Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.  7 Definitions of Vegetation Strata:  8. Pree — 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. 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 Vine Stratum (Plot size: 30' )  1. Hydrophytic Vegetation  Present? Yes X No —	Herb Stratum (Plot size: 5' )				<del>-</del>
2. Lythrum salicaria 2. Lythrum salicaria 3.		75	Yes	FACW	<del>-</del>
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: 30' )  1.					<del></del>
Problematic 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.  Woody Vine Stratum (Plot size: 30')  1.	2		100		1 : : : : : : : : : : : : : : : : :
5	1				Problematic Hydrophytic Vegetation <sup>1</sup> (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: 30')  Woody Vine Stratum (Plot size: 30')  Woody Vines – All woody vines greater than 3.28 ft in height.  Hydrophytic Vegetation Present? Yes X No	5				1 Indicators of hydric soil and wetland hydrology must
8	6.				
9	7.				Definitions of Vegetation Strata:
Sapling/shrub – Woody plants less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.  Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.  Woody Vine Stratum (Plot size: 30' )  1.					
12					1 ' -
Moody Vine Stratum   (Plot size: 30' )					Harb All barbassaus (non woody) plants regardless
1		100	=Total Cover		
1.       height.         2.       Hydrophytic         3.       Vegetation         4.       Total Cover             Present?       Yes X No	Woody Vine Stratum (Plot size:30')				Woody vines – All woody vines greater than 3.28 ft in
2.	1				
3 Hydrophytic Vegetation Present? Yes X No	^				
4=Total Cover=Total Cover	2				
=Total Cover	1				-
			=Total Cover		
Remarks: (Include photo numbers here or on a congrate sheet )	Remarks: (Include photo numbers here or on a separ	rate sheet )			

Sampling Point: C-CP-K-2 Wet

Depth	Matrix		Redo	x Featur	es		
(inches)	Color (moist)	%	Color (moist)	<u>%</u>	Type <sup>1</sup>	Loc <sup>2</sup>	Texture Remarks
							-
T			4—Dadusad Matrix A				21 a anti-um. DI — Dana Limina. M—Matrix
	oncentration, D=Deplet	IOH, KIV	i-Reduced Matrix, N	15-IVIASI	keu Sand	Giains.	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.
Hydric Soil I			Dalamaka Dala	0	(00) (		Indicators for Problematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Belo		ce (58) (I	LKK K,	2 cm Muck (A10) (LRR K, L, MLRA 149
	ipedon (A2)		MLRA 149B	•	\	MI DA 4	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)		Loamy Mucky			RK, L)	Thin Dark Surface (S9) (LRR K, L)
	Below Dark Surface (	A11)	Loamy Gleyed		F2)		Iron-Manganese Masses (F12) (LRR K,
	rk Surface (A12)		Depleted Matri				Piedmont Floodplain Soils (F19) (MLRA
	lucky Mineral (S1)		Redox Dark Su		-		Mesic Spodic (TA6) ( <b>MLRA 144A, 145,</b>
	leyed Matrix (S4)		Depleted Dark				Red Parent Material (F21)
	edox (S5)		Redox Depress		8)		Very Shallow Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) ( <b>LR</b>	R K, L)			Other (Explain in Remarks)
Dark Sur	face (S7)						
Indicators of	hydrophytic vegetation	n and w	etland hydrology mu	ust be pr	esent, ur	nless distu	urbed or problematic.
Restrictive L	_ayer (if observed):						
Type:							
Depth (ir	nches):						Hydric Soil Present? Yes X No
						ļ	
Remarks:	ad to be hydric but not	docume	antad hacausa domi	nated by	, EACW	enaciae s	standing water present, and abrupt boundary present.
Ouis observe	ed to be flydfic but flot	docume	silled because doili	nated by	y PACVV :	species, s	standing water present, and abrupt boundary present.



Wetland C-CP-K-2 - View facing south.

Segment 6-Package 4A

SITE PHOTOGRAPHS

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Ballston Lake/Saratoga Sampling Date: 12/17/21
Applicant/Owner: TDI	State: NY Sampling Point: c-cP-K-2 Upl
Investigator(s): J. Greaves & K. Weiskotten	Section, Township, Range:
Landform (hillside, terrace, etc.): Hillslope	Local relief (concave, convex, none): Convex Slope %: 40
Subregion (LRR or MLRA): LRR R Lat: 42-54-2	26N Long: 73-52-36W Datum: WGS84
Soil Map Unit Name: BvB - Broadalbin-Manlius-Nassau, comple	ex, undulating NWI classification:
Are climatic / hydrologic conditions on the site typical for this time	e of year? Yes X No (If no, explain in Remarks.)
Are Vegetation, Soil, or Hydrology signific	<del></del>
Are Vegetation, Soil, or Hydrologynatural	
SUMMARY OF FINDINGS – Attach site map show	ving 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 _	
Remarks: (Explain alternative procedures here or in a separate Railroad embankment.	report.)
HYDROLOGY	
Wetland Hydrology Indicators:	Secondary Indicators (minimum of two required)
Primary Indicators (minimum of one is required; check all that a	pply) Surface Soil Cracks (B6)
Surface Water (A1) Water-Staine	d Leaves (B9) Drainage Patterns (B10)
High Water Table (A2) Aquatic Faun	a (B13) Moss Trim Lines (B16)
Saturation (A3) Marl Deposits	S (B15) Dry-Season Water Table (C2)
Water Marks (B1) Hydrogen Su	lfide Odor (C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhiz	zospheres on Living Roots (C3) Saturation Visible on Aerial Imagery (C9)
<del></del>	Reduced Iron (C4) Stunted or Stressed Plants (D1)
<del></del>	Reduction in Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5) Thin Muck St	<u> </u>
1 <u> </u>	n in Remarks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	FAC-Neutral Test (D5)
Field Observations:	
	th (inches):
Water Table Present? Yes No X Dep	th (inches):
Saturation Present? Yes No X Dep	th (inches): Wetland Hydrology Present? Yes No _X
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial	photos, previous inspections), if available:
Remarks:	

Rhamnus cathartica Juniperus virginiana	% Cover 15 10	Species? Yes Yes	FACU FACU	Dominance Test worksheet:  Number of Dominant Species That Are OBL, FACW, or FAC:3(A)  Total Number of Dominant
Juniperus virginiana				That Are OBL, FACW, or FAC:3 (A)
	10	Yes	FACU_	
				Total Number of Dominant
				I Total Number of Dominant
				Species Across All Strata: 6 (B)
				Percent of Dominant Species
				That Are OBL, FACW, or FAC: 50.0% (A/B)
				Prevalence Index worksheet:
	25	=Total Cover		Total % Cover of: Multiply by:
pling/Shrub Stratum (Plot size:)				OBL species0 x 1 =0
Rhamnus cathartica	5	Yes	FAC	FACW species 5 x 2 = 10
Lonicera morrowii	5	Yes	FACU	FAC species45 x 3 =135
Rhus typhina	2	No	UPL	FACU species 20 x 4 = 80
				UPL species 12 x 5 = 60
				Column Totals: 82 (A) 285 (B
				Prevalence Index = B/A = 3.48
				Hydrophytic Vegetation Indicators:
	12	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
rb Stratum (Plot size: 5' )				2 - Dominance Test is >50%
Setaria pumila	25	Yes	FAC	3 - Prevalence Index is ≤3.0 <sup>1</sup>
Verbascum thapsus	 5	No	UPL	4 - Morphological Adaptations <sup>1</sup> (Provide supportin
Oenothera biennis	 5	No	FACU	data in Remarks or on a separate sheet)
Phragmites australis	 5	No	FACW	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
				<u> </u>
				<sup>1</sup> 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.
	40	=Total Cover		Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
pody Vine Stratum (Plot size: 30' )		- Total Cover		
Celastrus orbiculatus	E	Voo	UPL	<b>Woody vines</b> – All woody vines greater than 3.28 ft in
	5	Yes	UPL	height.
				Hydrophytic
				Vegetation
				Present?
marks: (Include photo numbers here or on a separ		=Total Cover		

Depth	Matrix	o trie de		x Featur		itor or co	onfirm the absence of	indicators.)	
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
<sup>1</sup> Type: C=Co	oncentration, D=Depl	etion, RM	1=Reduced Matrix, N	/IS=Mas	ked Sand	d Grains.	<sup>2</sup> Location: Pl	L=Pore Lining, M=Matrix.	
Hydric Soil			•					or Problematic Hydric So	oils <sup>3</sup> :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (	LRR R.		ck (A10) ( <b>LRR K, L, MLR</b>	
	oipedon (A2)		MLRA 149B		00 (00) (	,		airie Redox (A16) ( <b>LRR K</b>	•
Black Hi			Thin Dark Surf	•	(I PP P	MI DA 1		cky Peat or Peat (S3) ( <b>LR</b>	•
					-		· —		
	n Sulfide (A4)		High Chroma S					e Below Surface (S8) ( <b>LRI</b>	•
	Layers (A5)	(8.4.4)	Loamy Mucky			R K, L)		k Surface (S9) (LRR K, L)	
	Below Dark Surface	(A11)	Loamy Gleyed		F2)			ganese Masses (F12) (LR	-
	ark Surface (A12)		Depleted Matri					t Floodplain Soils (F19) ( <b>N</b>	
	lucky Mineral (S1)		Redox Dark St		-			oodic (TA6) ( <b>MLRA 144A</b> ,	145, 149B)
	leyed Matrix (S4)		Depleted Dark					ent Material (F21)	
	edox (S5)		Redox Depres		8)		Very Sha	illow Dark Surface (F22)	
Stripped	Matrix (S6)		Marl (F10) (LR	RK,L)			Other (Ex	xplain in Remarks)	
Dark Su	face (S7)								
<sup>3</sup> Indicators o	f hydrophytic vegetati	on and w	etland hydrology mi	ust be pr	esent, ur	nless dist	urbed or problematic.		
Restrictive I	_ayer (if observed):								
Type:									
•	achae).						Hydric Soil Presen	.42 Vaa 1	Na V
Depth (ir	iches).						nyuric Soil Presen	it? Yes I	No <u>X</u>
Remarks:									
Soils consist	of railroad ballast.								



**Upland C-CP-K-2 - View facing northeast.** 

SITE PHOTOGRAPHS

## WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Ballston/Saratoga Sampling Date: 12/17/21
Applicant/Owner: TDI	State: NY Sampling Point: c-cP-L-3 Wet
Investigator(s): J. Greaves & K. Weiskotten	Section, Township, Range:
Landform (hillside, terrace, etc.): Linear depression Local re	elief (concave, convex, none): Concave Slope %: 5
Subregion (LRR or MLRA): LRR R Lat: 42-54-18.95N	Long: 73-52-41.67W Datum: WGS84
Soil Map Unit Name: BvB - Broadalbin-Manlius-Nassau, complex, rolling	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 disturbed	
Are Vegetation, Soil, or Hydrology naturally problemati	
SUMMARY OF FINDINGS – Attach site map showing samp	
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.)  Common reed marsh (from flags 1 to 3).	
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 (B9	
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 or  Diff Panagita (B2)	— · · · —
Drift Deposits (B3)Presence of Reduced Iron	
Algal Mat or Crust (B4)  X Iron Deposits (B5)  Recent Iron Reduction in Thin Muck Surface (C7)	· · · · · · · · · · · · · · · · · · ·
X Iron Deposits (B5) Thin Muck Surface (C7) Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark:	Shallow Aquitard (D3)  Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
<del></del>	A PAC-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):	0 Wetland Hydrology Present? Yes X No
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aerial photos, prev	ious inspections) if available:
Describe Necorded Data (Stream gauge, monitoring well, aerial photos, prev	ious inspections), il avallable.
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:1 (B)
<ul><li>5.</li><li>6.</li></ul>				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 2 x 1 = 2
1				FACW species 98 x 2 = 196
2.				FAC species0 x 3 =0
3.				FACU species0 x 4 =0
4				UPL species0 x 5 =0
5				Column Totals: 100 (A) 198 (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. Phragmites australis	98	Yes	FACW	X 3 - Prevalence Index is ≤3.0 <sup>1</sup>
Lythrum salicaria	2	No	OBL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3.				data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
<ul><li>5.</li><li>6.</li></ul>				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
8 9				<b>Tree</b> – 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.				Harb All bank account (non-viscolis) plants, no condition
	100	=Total Cover		<b>Herb</b> – 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. 4.		· ——		Vegetation Present? Yes X No
<b>4.</b>		=Total Cover		riesent: res_X_ No
Remarks: (Include photo numbers here or on a separ	eta abaat \	•		
remarks. (include prioto numbers here of off a separ	ale sileel.)			

Sampling Point: C-CP-L-3 Wet

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)									
Depth						. 2			
(inches)	Color (moist)	<u>%</u>	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks	
								_	
<sup>1</sup> Type: C=Co	oncentration, D=Depl	letion, RM	1=Reduced Matrix, N	/IS=Masl	ked Sand	l Grains.	<sup>2</sup> Location: PL=l	Pore Lining, M=Matrix.	
Hydric Soil Indicators:							Indicators for Problematic Hydric Soils <sup>3</sup> :		
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) ( <b>I</b>	_RR 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 1									
Hydrogen Sulfide (A4)  High Chroma Sands (S11) (LRR K, L)						Polyvalue Below Surface (S8) (LRR K, L)			
							Thin Dark Surface (S9) (LRR K, L)		
Stratified Layers (A5) Loamy Mucky Mineral (F1) (LRR K, L)					<b>₹ (₹, ∟</b> )				
Depleted Below Dark Surface (A11) Loamy Gleyed Matrix (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) ( <b>MLRA 144A, 145, 149B</b> )			
Sandy Gleyed Matrix (S4) Depleted Dark Surface (F7)						Red Parent Material (F21)			
Sandy Redox (S5) Redox Depressions (F8)					Very Shallow Dark Surface (F22)				
Stripped Matrix (S6)			Marl (F10) ( <b>LRR K, L</b> )				Other (Explain in Remarks)		
Dark Surface (S7)									
<sup>3</sup> Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.									
Restrictive Layer (if observed):									
Type:									
Depth (ir							Hydric Soil Present?	Yes X No	
							nyunc 3011 Fresent:		
Remarks:									
Soils observe	ed to be hydric but no	ot collecte	ed because dominate	ed by FA	ACW spec	cies, stan	ding water, and abrupt be	oundary.	



Wetland C-CP-L-3 (common reed marsh) - View facing northeast.

SITE PHOTOGRAPHS

### WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County:		Sampling Date: 12/17/21			
Applicant/Owner: TDI		State: NY	Sampling Point: C-CP-L-3 Upl			
Investigator(s): J. Greaves & K. Weiskotten	Section, To	wnship, Range:				
Landform (hillside, terrace, etc.): Hillslope	Local relief (concave, conve	ex, none): Convex	Slope %: 45			
Subregion (LRR or MLRA): LRR R Lat: 42-5-	<del></del>	73-52-41.42W	 Datum: WGS84			
Soil Map Unit Name: BvB - Broadalbin-Manlius-Nassau, com		NWI classification:				
Are climatic / hydrologic conditions on the site typical for this ti			explain in Remarks.)			
, ,		<del></del>				
Are Vegetation, Soil, or Hydrologysigni		nal Circumstances" pres				
Are Vegetation, Soil, or Hydrologynatur	ally problematic? (If needed	d, explain any answers ir	n Remarks.)			
SUMMARY OF FINDINGS – Attach site map sho	wing sampling point locat	ions, transects, im	portant features, etc.			
Hydrophytic Vegetation Present? Yes No	X Is the Sampled A	roa				
	X within a Wetland?		No X			
	X If yes, optional We		<u></u>			
Remarks: (Explain alternative procedures here or in a separa						
Railroad embankment/railbed.	10 10 10 10 10 10 10 10 10 10 10 10 10 1					
LIVEREN						
HYDROLOGY						
Wetland Hydrology Indicators:		-	minimum of two required)			
Primary Indicators (minimum of one is required; check all that		Surface Soil Crack	` '			
<del></del>	ned Leaves (B9)	Drainage Patterns	` '			
High Water Table (A2) Aquatic Fa		Moss Trim Lines (E	·			
Saturation (A3)Marl Depos		Dry-Season Water				
<del>-</del>	Sulfide Odor (C1)	Crayfish Burrows (	,			
<del></del>	hizospheres on Living Roots (C3)		on Aerial Imagery (C9)			
<u> </u>	of Reduced Iron (C4)	Stunted or Stresse				
<u> </u>	Reduction in Tilled Soils (C6)	· , · · · · · · · · · · · · · · · · ·				
<del></del>	Surface (C7)	Shallow Aquitard (I	·			
1 —	lain in Remarks)	Microtopographic F				
Sparsely Vegetated Concave Surface (B8)		FAC-Neutral Test (	(D5)			
Field Observations:						
	epth (inches):					
	epth (inches):	al I badaa la aa Baa aa aa 40	V N- V			
<u> </u>	epth (inches): Wetlan	d Hydrology Present?	Yes No _X			
(includes capillary fringe)  Describe Recorded Data (stream gauge, monitoring well, aeri	al photos previous inspections) if	available:				
Beschibe Recorded Bata (Stream gauge, monitoring won, acm	ai priotos, previous inspections), ii e	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:(A)			
3 4				Total Number of Dominant Species Across All Strata:(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 species 0 x 1 = 0			
1. Lonicera morrowii	5	Yes	FACU	FACW species 0 x 2 = 0			
2.				FAC species 55 x 3 = 165			
3.				FACU species 5 x 4 = 20			
4.				UPL species0 x 5 =0			
5.				Column Totals: 60 (A) 185 (B)			
6.				Prevalence Index = B/A = 3.08			
7.				Hydrophytic Vegetation Indicators:			
	5	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 5' )		•		2 - Dominance Test is >50%			
Equisetum hyemale	50	Yes	FAC	3 - Prevalence Index is ≤3.0 <sup>1</sup>			
Setaria pumila	5	No	FAC	4 - Morphological Adaptations <sup>1</sup> (Provide supporting			
3				data in Remarks or on a separate sheet)			
4		<del>-</del>		Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
5. 6.				<sup>1</sup> 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 cm) or mars in			
9.				<b>Tree</b> – 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	55	=Total Cover		<b>Herb</b> – 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.				Hydrophytic			
3				Vegetation			
4				Present?			
		=Total Cover					
Remarks: (Include photo numbers here or on a separ	ate sheet.)						

Sampling Point: C-CP-L-3 Upl

SOIL Sampling Point <u>C-CP-L-3 Upl</u>

		to the de				tor or co	onfirm the absence of	indicators.)
Depth	Matrix			x Featur		. 2	<b>-</b> .	
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
								_
1							2	
	oncentration, D=Depl	etion, RM	I=Reduced Matrix, N	/IS=Masl	ked Sand	Grains.		=Pore Lining, M=Matrix.
Hydric Soil I							Indicators for	r Problematic Hydric Soils <sup>3</sup> :
Histosol	(A1)		Polyvalue Belo	w Surfa	ce (S8) ( <b>I</b>	_RR R,	2 cm Muc	k (A10) ( <b>LRR K, L, MLRA 149B</b> )
Histic Ep	ipedon (A2)		MLRA 149B	)			Coast Pra	irie Redox (A16) ( <b>LRR K, L, R</b> )
Black His	stic (A3)		Thin Dark Surf	ace (S9)	(LRR R,	MLRA 1	<b>49B</b> ) 5 cm Muc	ky Peat or Peat (S3) (LRR K, L, R)
Hydroge	n Sulfide (A4)		High Chroma S	Sands (S	311) ( <b>LRF</b>	R K, L)	Polyvalue	Below Surface (S8) (LRR K, L)
Stratified	Layers (A5)		Loamy Mucky	Mineral	(F1) ( <b>LR</b> F	R K, L)	Thin Dark	Surface (S9) (LRR K, L)
	l Below Dark Surface	e (A11)	Loamy Gleyed			. ,		ganese Masses (F12) ( <b>LRR K, L, R</b> )
	rk Surface (A12)	( )	Depleted Matri		,			Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su		:6)			odic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
	leyed Matrix (S4)		Depleted Dark					nt Material (F21)
			Redox Depress					low Dark Surface (F22)
	edox (S5)			•	5)			• • •
	Matrix (S6)		Marl (F10) ( <b>LR</b>	KK,L)			Other (EX	plain in Remarks)
Dark Sur	face (S7)							
3								
			etland hydrology mu	ust be pr	esent, ur	iless dist	urbed or problematic.	
	ayer (if observed):							
Type:								
Depth (ir	nches):						Hydric Soil Present	? Yes No _X_
Remarks:								
	of railroad ballast.							
Cono conoior	or ramoda bandot.							



Upland C-CP-L-3 & 4 (left side of photo) - View facing southwest.

SITE PHOTOGRAPHS

### WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Ballston/Saratoga Sampling Date: 12/17/21
Applicant/Owner: TDI	State: NY Sampling Point: c-cP-L-4 Wet
Investigator(s): J. Greaves & K. Weiskotten	Section, Township, Range:
Landform (hillside, terrace, etc.): Linear depression Local	relief (concave, convex, none): Concave Slope %: 5
Subregion (LRR or MLRA): LRR R Lat: 42-54-17.49N	Long: 73-52-42.51W Datum: WGS84
Soil Map Unit Name: BvB - Broadalbin-Manlius-Nassau, complex, rolling	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 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.) Shallow emergent marsh (from flags 3 to 8).	
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)
X Saturation (A3) — Marl Deposits (B15)	Dry-Season Water Table (C2)
Water Marks (B1)  Hydrogen Sulfide Odor (	· · · · · · · · · · · · · · · · · · ·
Sediment Deposits (B2)  Oxidized Rhizospheres of Proposity (B2)	— · · · —
Drift Deposits (B3) Presence of Reduced Inc	
Algal Mat or Crust (B4)  Recent Iron Reduction in  This Music Surface (C7)	
X Iron Deposits (B5) Thin Muck Surface (C7)	
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remar Sparsely Vegetated Concave Surface (B8)	-ks) Microtopographic Relief (D4) X FAC-Neutral Test (D5)
<del></del>	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? YesX No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, pre	evious inspections), if available:
Remarks:	
Tromano.	

<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:(A)
3. 4.				Total Number of Dominant Species Across All Strata: (B)
<ul><li>5.</li><li>6.</li></ul>		- <u></u>		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 species60 x 1 =60
1				FACW species 15 x 2 = 30
2.				FAC species0 x 3 =0
3.				FACU species0 x 4 =0
4.				UPL species0 x 5 =0
5.				Column Totals: 75 (A) 90 (B)
6.				Prevalence Index = B/A = 1.20
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	30	Yes	OBL	X_3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Lythrum salicaria	20	Yes	OBL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Phragmites australis	10	No	FACW	data in Remarks or on a separate sheet)
4. Carex stricta	10	No	OBL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. Bidens frondosa	5	No	FACW	1 Indicators of hydric cail and watland hydrology must
6.				<sup>1</sup> 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.				<b>Herb</b> – 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 Vegetation
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a separ	rate sheet )	-		
Tremarks. (include prioto numbers here of on a separ	ate sneet.)			

Sampling Point: C-CP-L-4 Wet

		to the de				tor or co	nfirm the absence of inc	licators.)
Depth	Matrix			x Featur		. 2		
(inches)	Color (moist)	%	Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
								_
<sup>1</sup> Type: C=Co	oncentration, D=Depl	etion RM	=Reduced Matrix N	 /S=Mask	ked Sand	Grains	<sup>2</sup> Location: PL=P	ore Lining, M=Matrix.
Hydric Soil I		Ction, rtiv	I-I (Cuuccu Matrix, II	/IO-IVIA3I	icu Gario	Oranis.		roblematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Belo	w Surfa	oo (SB) (I	DD D		A10) (LRR K, L, MLRA 149B)
	oipedon (A2)		MLRA 149B		ce (30) ( <b>1</b>	-NN N,		
				•	/I DD D	MI DA 4		Redox (A16) (LRR K, L, R)
— Black His			Thin Dark Surf		-			Peat or Peat (S3) (LRR K, L, R)
	n Sulfide (A4)		— High Chroma S					elow Surface (S8) (LRR K, L)
	Layers (A5)		Loamy Mucky			R K, L)		urface (S9) ( <b>LRR K, L</b> )
	Below Dark Surface	e (A11)	Loamy Gleyed		F2)			ese Masses (F12) ( <b>LRR K, L, R</b> )
	rk Surface (A12)		Depleted Matri					oodplain Soils (F19) ( <b>MLRA 149B</b> )
	lucky Mineral (S1)		Redox Dark Su					c (TA6) ( <b>MLRA 144A, 145, 149B</b> )
Sandy G	leyed Matrix (S4)		Depleted Dark	Surface	(F7)			Material (F21)
Sandy R	edox (S5)		Redox Depress	sions (F	8)			v Dark Surface (F22)
Stripped	Matrix (S6)		Marl (F10) ( <b>LR</b>	RK, L)			Other (Expla	in in Remarks)
Dark Sur	face (S7)							
<sup>3</sup> Indicators of	hydrophytic vegetat	ion and w	etland hydrology mu	ust be pr	esent, ur	ıless distı	urbed or problematic.	
Restrictive L	ayer (if observed):							
Type:								
Depth (ir							Hydric Soil Present?	Yes X No
							- Trydrio Con i Tesche.	
Remarks:				0.				
Soils observe	ed to be hydric but no	ot collecte	d because dominate	ed by Ot	3L specie	es, standii	ng water, and abrupt boun	dary.
I								



Wetland C-CP-L-4 (shallow emergent marsh) - View facing southwest.

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: Ballstor	n/ Saratoga	Sampling Date: 1/5/23		
Applicant/Owner: TDI			State: NY	Sampling Point: P4A-Q Wet		
Investigator(s): J. Greaves & N. Frazer		Section, To	——— wnship, Range:			
Landform (hillside, terrace, etc.): Linear dep	pression Local re	elief (concave, conve	x, none): Concave	Slope %: 2		
Subregion (LRR or MLRA): LRR R	Lat: 42.905192		-73.878529	Datum: NAD83		
Soil Map Unit Name: BvB - Broadalbin-Manli			NWI classification:	PEM1		
Are climatic / hydrologic conditions on the site	•			explain in Remarks.)		
, ,	,,	Yes X	,			
Are Vegetation, Soil, or Hydrol	<del></del>		nal Circumstances" prese			
Are Vegetation, Soil, or Hydrol	·		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 X No	within a Wetland?	? Yes <u>X</u>	No		
Wetland Hydrology Present?	Yes X No	If yes, optional We	tland Site ID: near flag	P4A-Q-7		
Remarks: (Explain alternative procedures he Purple loosestrife marsh.	ere or in a separate report.)					
Turple looded in a long						
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	s (B6)		
X Surface Water (A1)	X Water-Stained Leaves (BS	9)	Drainage Patterns (	·		
X High Water Table (A2)	Aquatic Fauna (B13)		Moss Trim Lines (B	·		
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water <sup>-</sup>			
Water Marks (B1)	— Hydrogen Sulfide Odor (C		Crayfish Burrows (C	•		
Sediment Deposits (B2)	Oxidized Rhizospheres or		X Saturation Visible of	, ,		
Drift Deposits (B3)	Presence of Reduced Iron	` '	Stunted or Stressed			
Algal Mat or Crust (B4) Iron Deposits (B5)	Recent Iron Reduction in Thin Muck Surface (C7)	<del></del>				
Inundation Visible on Aerial Imagery (B7)		e)	Shallow Aquitard (D Microtopographic Re			
Sparsely Vegetated Concave Surface (Bi	· <del></del>	3)	X FAC-Neutral Test (I			
Field Observations:			<u></u>			
Surface Water Present? Yes X	No Depth (inches):	12				
Water Table Present? Yes X	No Depth (inches):	0				
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:						

	A I I	Danis and	In all a a 4 a m				
Tree Stratum (Plot size:30')	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
				Number of Dominant Species			
·				That Are OBL, FACW, or FAC:3 (A)			
				Total Number of Dominant			
				Species Across All Strata: 3 (B)			
j.							
				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B			
·				Prevalence Index worksheet:			
·		=Total Cover					
Sapling/Shrub Stratum (Plot size: 15' )		- Total Cover		Total % Cover of: Multiply by:  OBL species 80 x 1 = 80			
. Cornus amomum	10	Yes	FACW	FACW species 10 x 2 = 20			
		163	TACV				
·				· — — —			
·		· <del></del>		FACU species0 x 4 =0			
·				UPL species0 x 5 =0			
				Column Totals: 90 (A) 100 (B			
·				Prevalence Index = B/A =1.11			
·				Hydrophytic Vegetation Indicators:			
	10	=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
lerb Stratum (Plot size: 5')				X 2 - Dominance Test is >50%			
. Lythrum salicaria	35	Yes	OBL	X 3 - Prevalence Index is ≤3.0 <sup>1</sup>			
2. Scirpus cyperinus	35	Yes	OBL	4 - Morphological Adaptations <sup>1</sup> (Provide supportin			
3. Leersia oryzoides	10	No	OBL	data in Remarks or on a separate sheet)  Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
5.				1			
<u> </u>				<sup>1</sup> 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			
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			
	80	=Total Cover		of size, and woody plants less than 3.28 ft tall.			
Noody Vine Stratum (Plot size:)				Woody vines – All woody vines greater than 3.28 ft in			
				height.			
2				Lu Accelera			
3				Hydrophytic Vegetation			
				Present? Yes X No			
		=Total Cover					

SOIL Sampling Point P4A-Q Wet

Profile Description: (Describe to the de				tor or co	onfirm the absence of indicators.)				
Depth Matrix		c Feature							
(inches) Color (moist) %	Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	Texture Remarks				
						_			
						_			
						_			
					_				
						—			
<u> </u>									
						—			
<u> </u>									
						—			
1-					2	—			
<sup>1</sup> Type: C=Concentration, D=Depletion, R	M=Reduced Matrix, M	IS=Masl	ked Sand	Grains.	<sup>2</sup> Location: PL=Pore Lining, M=Matrix.				
Hydric Soil Indicators:					Indicators for Problematic Hydric Soils <sup>3</sup> :				
—— Histosol (A1)	Dark Surface (	,			2 cm Muck (A10) ( <b>LRR K, L, MLRA 149B</b> )				
Histic Epipedon (A2)	Polyvalue Belo		ce (S8) ( <b>I</b>	_RR R,	Coast Prairie Redox (A16) (LRR K, L, R)				
Black Histic (A3)	MLRA 149B				5 cm Mucky Peat or Peat (S3) (LRR K, L, R	)			
Hydrogen Sulfide (A4)	Thin Dark Surfa								
Stratified Layers (A5)	High Chroma S				Thin Dark Surface (S9) ( <b>LRR K, L</b> )				
Depleted Below Dark Surface (A11)	Loamy Mucky I	Mineral (	F1) ( <b>LR</b> F	R K, L)	Iron-Manganese Masses (F12) (LRR K, L, F	1)			
Thick Dark Surface (A12)	Loamy Gleyed		<del>-</del> 2)		Piedmont Floodplain Soils (F19) (MLRA 149	B)			
Mesic Spodic (A17)	Depleted Matri				Red Parent Material (F21) (outside MLRA 1	45)			
(MLRA 144A, 145, 149B)	Redox Dark Su	•	•		Very Shallow Dark Surface (F22)				
Sandy Mucky Mineral (S1)	Depleted Dark	Surface	(F7)		X Other (Explain in Remarks)				
Sandy Gleyed Matrix (S4)	Redox Depress	sions (F8	3)		_				
Sandy Redox (S5)	Marl (F10) ( <b>LR</b>				<sup>3</sup> Indicators of hydrophytic vegetation and				
Stripped Matrix (S6)	Red Parent Ma	terial (F	21) <b>(MLF</b>	RA 145)	wetland hydrology must be present,				
					unless disturbed or problematic.				
Restrictive Layer (if observed):									
Туре:									
Depth (inches):					Hydric Soil Present? Yes X No				
Remarks:									
Soils not collected because of inundation	and dominance by EA	ACW/OF	al specie	ıs.					
	and dominance by 17		- opeoio						



Wetland P4A-Q- View facing south

**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: Ballsto	n/ Saratoga	Sampling Date: 1/5/23			
Applicant/Owner: TDI			State: NY	Sampling Point: P4A-Q Upl			
Investigator(s): J. Greaves & N. Frazer		Section, To	——— wnship, Range:	<u> </u>			
Landform (hillside, terrace, etc.): Terrace	Local re	elief (concave, conve	ex. none): none	Slope %: 0			
Subregion (LRR or MLRA): LRR R	Lat: 42.905190		-73.878500	Datum: NAD83			
Soil Map Unit Name: BvB - Broadalbin-Manli			NWI classification				
Are climatic / hydrologic conditions on the site	·			o, explain in Remarks.)			
, ,	•	Yes x	<del></del> `	,			
Are Vegetation, Soil, or Hydrol	<del></del>		nal Circumstances" pres				
Are Vegetation, Soil, or Hydrol	' <del></del>		d, explain any answers i	,			
SUMMARY OF FINDINGS – Attach	site map showing samp	oling point loca	tions, transects, i	mportant 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 No X	If yes, optional We	tland Site ID: Upland a	djacent to Wetland P4A-Q near flag 7			
Remarks: (Explain alternative procedures he Successional old field/dirt road.							
LHYDROLOGY							
Wetland Hydrology Indicators:			Secondary Indicators	(minimum of two required)			
Primary Indicators (minimum of one is require	ed; check all that apply)		Surface Soil Cracl	ks (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 Table (C2)				
— Water Marks (B1)	Hydrogen Sulfide Odor (C		Crayfish Burrows (C8)				
Sediment Deposits (B2)	Oxidized Rhizospheres or			on Aerial Imagery (C9)			
Drift Deposits (B3)	Presence of Reduced Iron	, ,	Stunted or Stresse				
Algal Mat or Crust (B4)	Recent Iron Reduction in	Tilled Soils (Co)	Geomorphic Posit Shallow Aquitard (				
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7	Thin Muck Surface (C7) Other (Explain in Remarks	·a)	Microtopographic	` ,			
Sparsely Vegetated Concave Surface (B	′ <del></del> ` '	8)	FAC-Neutral Test	` '			
Field Observations:	<del></del>			(50)			
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, 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. 2.				Number of Dominant Species That Are OBL, FACW, or FAC:(A)
3. 4.				Total Number of Dominant Species Across All Strata:1 (B)
<ul><li>5.</li><li>6.</li></ul>				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 species0 x 1 =0
1				FACW species0 x 2 =0
2.				FAC species50 x 3 =150
3				FACU species10 x 4 =40
4				UPL species 5 x 5 = 25
5.				Column Totals: 65 (A) 215 (B)
6.				Prevalence Index = B/A = 3.31
7.				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' )				X 2 - Dominance Test is >50%
1. Setaria pumila	40	Yes	FAC	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2. Galium boreale	10	No No	FAC	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Solidago canadensis	10	No No	FACU	data in Remarks or on a separate sheet)
4. Daucus carota	5	No No	UPL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5				<del></del>
6.				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
8.				
0				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
	65	=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 Vegetation
4.				Present? Yes X No
		=Total Cover		
Remarks: (Include photo numbers here or on a sepa	rate sheet.)			

Sampling Point:

P4A-Q Upl

SOIL Sampling Point P4A-Q Upl

Profile Descripe	ription: (Describe t Matrix	to the de		<b>iment th</b> k Featur		ator or co	onfirm the absence of	of indicate	ors.)	
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remark	(S
	40VD 2/2				<del></del> _		L a a man / Classes			
0-4	10YR 3/2	100					Loamy/Clayey			
				—						_
										_
<sup>1</sup> Type: C=Co	ncentration D=Denl	etion RM	 ∕I=Reduced Matrix, M	 IS=Masl	ked Sand	 d Grains	<sup>2</sup> I ocation: I	PI =Pore I	ining, M=Mat	rix
Hydric Soil I		Ction, rav	T Treadded Wattix, IV	io ividoi	itou ourit	oranio.			ematic Hydric	
Histosol (			Dark Surface (	S7)					(LRR K, L, N	
	ipedon (A2)		Polyvalue Belo		ce (S8) (	LRR R.			lox (A16) ( <b>LR</b>	
Black His			MLRA 149B		(/(	,				(LRR K, L, R)
	n Sulfide (A4)		Thin Dark Surfa	<b>,</b>	(LRR R	, MLRA 1			Surface (S8)	
	Layers (A5)		High Chroma S						e (S9) ( <b>LRR K</b>	
	Below Dark Surface	e (A11)	Loamy Mucky I							(LRR K, L, R)
	rk Surface (A12)		Loamy Gleyed							9) (MLRA 149B)
Mesic Sp	odic (A17)		Depleted Matrix	x (F3)			Red Pa	rent Mater	rial (F21) <b>(out</b>	side MLRA 145)
(MLR	A 144A, 145, 149B)		Redox Dark Su	ırface (F	6)		Very Sh	allow Dar	k Surface (F2	2)
Sandy M	ucky Mineral (S1)		Depleted Dark	Surface	(F7)		Other (	Explain in	Remarks)	
Sandy Gl	eyed Matrix (S4)		Redox Depress	sions (F	3)		<del></del>			
Sandy Re	edox (S5)		Marl (F10) ( <b>LR</b>	<b>R K, L</b> )			<sup>3</sup> Indicat	ors of hyd	rophytic vege	tation and
Stripped	Matrix (S6)		Red Parent Ma	iterial (F	21) <b>(MLF</b>	RA 145)	wetla	nd hydrolc	ogy must be p	resent,
							unles	s disturbe	d or problema	atic.
Restrictive L	ayer (if observed):									
Type: _	Roo	k								
Depth (in	ches):	4					Hydric Soil Prese	nt?	Yes	NoX
Remarks:										



Upland P4A-Q- View facing north



**Upland P4A-Q - 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: Ballstor	n/ Saratoga	Sampling Date: 1/5/23
Applicant/Owner: TDI			State: NY	Sampling Point: P4A-P Wet
Investigator(s): J. Greaves & N. Frazer		Section, To	——— wnship, Range:	<u> </u>
Landform (hillside, terrace, etc.): Linear dep	pression Local re	elief (concave, conve	x, none): Concave	Slope %: 3
Subregion (LRR or MLRA): LRR R	Lat: 42.904540	•	-73.878457	Datum: NAD83
Soil Map Unit Name: As - Allis silt loam			NWI classification:	PEM1
Are climatic / hydrologic conditions on the site	tunical for this time of year?	Vec v		explain in Remarks.)
		Yes X		,
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	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: near flag	P4A-P-3
Remarks: (Explain alternative procedures he	ere or in a separate report.)			
Purple loosestrife marsh.				
HYDROLOGY				
			C	
Wetland Hydrology Indicators:	ad: abook all that apply)			ninimum of two required)
Primary Indicators (minimum of one is require X Surface Water (A1)	X Water-Stained Leaves (B9	0)	Surface Soil Cracks Drainage Patterns (	
X High Water Table (A2)	Aquatic Fauna (B13)	9)	Moss Trim Lines (B	· ·
X Saturation (A3)	Marl Deposits (B15)		Dry-Season Water	·
Water Marks (B1)	Hydrogen Sulfide Odor (C	:1)	Crayfish Burrows (C	
Sediment Deposits (B2)	Oxidized Rhizospheres on			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	·
Sparsely Vegetated Concave Surface (B8	·	•	X FAC-Neutral Test (I	` '
Field Observations:				
Surface Water Present? Yes X	No Depth (inches): _	6		
Water Table Present? Yes X	No Depth (inches):	0		
Saturation Present? Yes X	No Depth (inches):	0 Wetlan	d Hydrology Present?	Yes <u>X</u> No
(includes capillary fringe)				
Describe Recorded Data (stream gauge, mon	nitoring well, aerial photos, previ	ious inspections), if	available:	
Remarks:				
кепакѕ.				

	Absolute	Dominant	Indicator	T
ree Stratum (Plot size:30')	% 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)
				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 species100 x 1 =100
Fraxinus pennsylvanica	2	No	FACW_	FACW species 2 x 2 = 4
				FAC species 0 x 3 = 0
				FACU species 0 x 4 = 0
				UPL species 0 x 5 = 0 Column Totals: 102 (A) 104 (B
				Column Totals: 102 (A) 104 (B)  Prevalence Index = B/A = 1.02
				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
erb Stratum (Plot size: 5' )				X 2 - Dominance Test is >50%
Lythrum salicaria	95	Yes	OBL	X 3 - Prevalence Index is ≤3.0 <sup>1</sup>
Typha latifolia	5	No	OBL	4 - Morphological Adaptations <sup>1</sup> (Provide supporti
				data in Remarks or on a separate sheet)
				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
				<sup>1</sup> 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
(Sacha) (in a Otratum (Distaire)	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.
ody Vine Stratum (Plot size: 30')				Woody vines – All woody vines greater than 3.28 ft
				height.
				Hydrophytic
				Vegetation Present? Yes X No
				11000mi 100 <u>x</u> no
		=Total Cover		

SOIL Sampling Point P4A-P Wet

Depth	ription: (Describe to Matrix	tne de		ı <b>ment tı</b> k Featur		itor or co	onfirm the absence of	f indicate	ors.)	
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remarks	<b>S</b>
(					- 7					
<sup>1</sup> Type: C=Co	oncentration, D=Deple	tion, RM	=Reduced Matrix, M	S=Masl	ked Sand	d Grains.	<sup>2</sup> Location: F	L=Pore L	ining, M=Matri	x.
Hydric Soil	Indicators:						Indicators f	or Proble	matic Hydric	Soils <sup>3</sup> :
Histosol	(A1)		Dark Surface (\$	S7)			2 cm Mı	ıck (A10)	(LRR K, L, ML	-RA 149B)
	pipedon (A2)		Polyvalue Belo		ce (S8) (I	LRR R,		` '	ox (A16) ( <b>LRR</b>	*
—— · Black Hi			MLRA 149B)		( )(	,			or Peat (S3) (I	•
	n Sulfide (A4)		Thin Dark Surfa		(LRR R	MLRA 1			Surface (S8) ( <b>L</b>	
	Layers (A5)		High Chroma S						e (S9) ( <b>LRR K</b> ,	•
	l Below Dark Surface (	(111)	Loamy Mucky	-					Masses (F12) (	•
		(A11)				Χ <b>K</b> , <b>L</b> )		-		
	ark Surface (A12)		Loamy Gleyed		Γ <b>∠</b> )					(MLRA 149B)
	oodic (A17)		Depleted Matrix		.0)					ide MLRA 145
	A 144A, 145, 149B)		Redox Dark Su		-				k Surface (F22	:)
	lucky Mineral (S1)		Depleted Dark				X Other (E	xpiain in	Remarks)	
	leyed Matrix (S4)		Redox Depress		8)		a			
	edox (S5)		Marl (F10) ( <b>LR</b> l					-	rophytic vegeta	
Stripped	Matrix (S6)		Red Parent Ma	terial (F	21) <b>(MLF</b>	RA 145)	wetlar	nd hydrold	gy must be pre	esent,
							unles	s disturbe	d or problemat	ic.
Restrictive I	_ayer (if observed):									
Type:										
Depth (ir	nches):						Hydric Soil Prese	nt?	Yes X	No
Remarks:	· -									
	ct soils due to inundati	on and	Hominanco by EACM	//OBL c	nocios					
Did flot colle	or soils due to indidati	on and t	dominance by 1 ACV	//ODL 3	pecies.					



Wetland P4A-P- View facing south

Segment 6-Package 4A

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: Ballstor	n/ Saratoga	Sampling Date: 1/5/23			
Applicant/Owner: TDI			State: NY	Sampling Point: P4A-P Upl			
Investigator(s): J. Greaves & N. Frazer		Section, To	wnship, Range:	<u> </u>			
Landform (hillside, terrace, etc.): Hillslope	Local re	elief (concave, conve	ex. none): Convex	Slope %: 40			
Subregion (LRR or MLRA): LRR R	Lat: 42.904566	•	-73.878494	Datum: NAD83			
Soil Map Unit Name: BvB - Broadalbin-Manli			NWI classification:				
·			<del></del>	avalain in Damarka )			
Are climatic / hydrologic conditions on the site		Yes x	<del></del> `	explain in Remarks.)			
Are Vegetation, Soil, or Hydrol			nal Circumstances" prese				
Are Vegetation, Soil, or Hydrol	logynaturally problemat	tic? (If needed	d, explain any answers in	Remarks.)			
SUMMARY OF FINDINGS – Attach	site map showing samp	pling point loca	tions, transects, im	nportant 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 No X	If yes, optional We	tland Site ID: Upland a	adjacent to Wetland P4A-P			
Remarks: (Explain alternative procedures he Railroad embankment.	ere or in a separate report.)						
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	i9)	Drainage Patterns (				
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 (C	,			
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 Thin Muck Surface (C7)	Tilled Solis (Co)	Geomorphic Position				
Iron Deposits (B5) Inundation Visible on Aerial Imagery (B7)		re)	Shallow Aquitard (D Microtopographic R	·			
Sparsely Vegetated Concave Surface (B	· <del></del>	.5)	FAC-Neutral Test (I	` '			
Field Observations:		<del></del>					
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)	···· _ · · · , _		<del></del>				
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. 2.		<del></del>		Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)
3. 4.				Total Number of Dominant Species Across All Strata: 1 (B)
5		<u> </u>		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: 15' )		-		OBL species 0 x1 = 0
				FACW species 0 x 2 = 0
2				FAC species 40 x 3 = 120
				FACU species 0 x 4 = 0
-				
4.				
5.				Column Totals: 40 (A) 120 (B)
6.				Prevalence Index = B/A = 3.00
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size:)				X 2 - Dominance Test is >50%
1. Setaria pumila	40	Yes	FAC	3 - Prevalence Index is ≤3.0 <sup>1</sup>
2				4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
<ul><li>5.</li><li>6.</li></ul>				<sup>1</sup> 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' )  1.				<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic
				Vegetation Present? Yes X No
4.		=Total Cover		100 <u>X</u> 100 <u>—</u>
Remarks: (Include photo numbers here or on a sepa		_		
Tromanio. (modao prioto namboro nero el en a copa	1410 011001)			

Sampling Point: P4A-P Upl

SOIL Sampling Point P4A-P Upl

Depth	ription: (Describe to Matrix	tne dep		ı <b>ment tı</b> k Featur		itor or co	onfirm the absence o	t indicators	5.)	
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remark	(S
(1101100)	Color (molot)		Color (molet)		1700		Toxtaro		rtoman	
			_				_			
							_			
<sup>1</sup> Type: C=C	oncentration, D=Deple	tion RM	=Reduced Matrix M		ked Sand		<sup>2</sup> Location: F	I =Pore I in	ing M=Mati	riv
Hydric Soil		tion, ixivi	-iteduced Matrix, iv	0-Masi	Keu Sanc	Oranis.	Indicators f		_	
-			Dark Surface (	27)					_	ILRA 149B)
— Histosol					(CO) (			. , ,		*
	pipedon (A2)		Polyvalue Belo		ce (58) (I	LKK K,			x (A16) ( <b>LR</b> I	
Black Hi			MLRA 149B)							(LRR K, L, R)
	n Sulfide (A4)		Thin Dark Surfa						urface (S8) (	•
	l Layers (A5)		High Chroma S	-					(S9) ( <b>LRR K</b>	*
Depleted	Below Dark Surface	(A11)	Loamy Mucky I	Mineral	(F1) ( <b>LR</b> I	R K, L)	Iron-Mai	nganese Ma	asses (F12)	(LRR K, L, R)
Thick Da	ark Surface (A12)		Loamy Gleyed	Matrix (	F2)		Piedmor	nt Floodplai	n Soils (F19	9) (MLRA 149B)
Mesic S <sub>I</sub>	oodic (A17)		Depleted Matrix	(F3)			Red Par	ent Materia	l (F21) <b>(out</b>	side MLRA 145)
(MLR	A 144A, 145, 149B)		Redox Dark Su	rface (F	6)		Very Sh	allow Dark	Surface (F2	2)
Sandy M	lucky Mineral (S1)		Depleted Dark	Surface	(F7)		Other (E	xplain in Re	emarks)	
Sandy G	leyed Matrix (S4)		Redox Depress	ions (F	3)		<u> </u>			
	edox (S5)		 Marl (F10) ( <b>LR</b> l	RK,L)			<sup>3</sup> Indicato	ors of hydro	phytic veget	tation and
	Matrix (S6)		Red Parent Ma		21) <b>(MLF</b>	RA 145)		-	y must be p	
—	,			`	, (	,		-	or problema	
Restrictive I	_ayer (if observed):									
Type:	- <b>a</b> yo: ( oooo).									
•										
Depth (ir	nches):						Hydric Soil Prese	nt?	Yes	No <u>X</u>
Remarks:										
Soils consist	of railroad ballast.									



**Upland P4A-P- View facing south** 



**Upland P4A-P - 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: Ballston/ Saratoga Sampling Date: 1/06/23
Applicant/Owner: TDI	State: NY Sampling Point: Wet P4A-R
Investigator(s): C. Scrivner & J. Greaves	Section, Township, Range:
	ocal relief (concave, convex, none): None Slope %: 0
Subregion (LRR or MLRA): LRR R Lat: 42.8923°N	Long: -73.8888°W Datum: WGS 84
Soil Map Unit Name: BvB: Broadalbin-Manlius-Nassau, complex, undu	
Are climatic / hydrologic conditions on the site typical for this time of yea	
Are Vegetation, Soil, or Hydrologysignificantly di	<del></del> -
Are Vegetation, Soil, or Hydrologynaturally probl	
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 P4A-R-6
Remarks: (Explain alternative procedures here or in a separate report.	.)
Shallow emergent marsh	<i>'</i>
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 Leav	ves (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 Od	dor (C1) Crayfish Burrows (C8)
Sediment Deposits (B2) Oxidized Rhizosphe	eres on Living Roots (C3)Saturation Visible on Aerial Imagery (C9)
Drift Deposits (B3) Presence of Reduce	ed Iron (C4) Stunted or Stressed Plants (D1)
Algal Mat or Crust (B4) Recent Iron Reduction	on in Tilled Soils (C6) Geomorphic Position (D2)
Iron Deposits (B5)Thin Muck Surface (	(C7) X Shallow Aquitard (D3)
Inundation Visible on Aerial Imagery (B7) Other (Explain in Re	emarks) Microtopographic Relief (D4)
Sparsely Vegetated Concave Surface (B8)	X FAC-Neutral Test (D5)
Field Observations:	
Surface Water Present? Yes X No Depth (inch	nes):1
Water Table Present? Yes X No Depth (inch	nes):0
Saturation Present? Yes X No Depth (inch	nes): 0 Wetland Hydrology Present? Yes X No
(includes capillary fringe)	
Describe Recorded Data (stream gauge, monitoring well, aerial photos	s, previous inspections), if available:
Remarks:	

Tree Stratum (Plot size:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1				Number of Dominant Species That Are OBL, FACW, or FAC:3(A)
3. 4.		<u> </u>		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 species 35 x 1 = 35
1.				FACW species 25 x 2 = 50
2.				FAC species 40 x 3 = 120
3.		. <del></del>		FACU species 0 x 4 = 0
4				UPL species 0 x 5 = 0
5	-			Column Totals: 100 (A) 205 (B)
6.				Prevalence Index = B/A = 2.05
7				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' )		-		X 2 - Dominance Test is >50%
1. Juncus tenuis	40	Yes	FAC	X 3 - Prevalence Index is ≤3.0 <sup>1</sup>
Lythrum salicaria	35	Yes	OBL	4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3. Phragmites australis	25	Yes	FACW	data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. 6.				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7.				Definitions of Vegetation Strata:
9.				<b>Tree</b> – 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.				Hart All hart and a constant and a constant
	100	=Total Cover		<b>Herb</b> – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
<u>Woody Vine Stratum</u> (Plot size:)  1				Woody vines – All woody vines greater than 3.28 ft in height.
				- ro.g.m
3.	1			Hydrophytic
4.				Vegetation Present? Yes X No
		=Total Cover		100 <u>X</u> 100 <u>—</u>
Demarka: (Include whate numbers have or an a const	oto oboot \	-10101 00101		
Remarks: (Include photo numbers here or on a separ	ate sheet.)			
				·

Sampling Point: Wet P4A-R

SOIL Sampling Point: Wet P4A-R

Profile Desc	ription: (Describe to Matrix	the dep		iment the ox Feature		tor or co	nfirm the absence of i	ndicators.)		
(inches)	Color (moist)	%	Color (moist)	% realui	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks		
0-1	10YR 3/1	100	, ,				Peat			
			40\/D 4/0					Dietie et en deu en entertiere		
1-12	10YR 4/1	65	10YR 4/3	20	<u>C</u>	<u>M</u>	Loamy/Clayey	Distinct redox concentrations		
			10YR 5/4	15	С	M		Distinct redox concentrations		
	<u> </u>									
		—								
<sup>1</sup> Type: C=Co	ncentration, D=Deple	etion, RM	=Reduced Matrix, M	S=Mask	ed Sand	Grains.		=Pore Lining, M=Matrix.		
Hydric Soil I								r Problematic Hydric Soils <sup>3</sup> :		
Histosol	` '		Dark Surface (	,	(00) (			ck (A10) (LRR K, L, MLRA 149B)		
	ipedon (A2)		Polyvalue Belo MLRA 149B		ce (S8) (I	LKK K,		airie Redox (A16) (LRR K, L, R)		
Black His	n Sulfide (A4)		Thin Dark Surf	,	(I RR R	MIRA 1		cky Peat or Peat (S3) (LRR K, L, R) Below Surface (S8) (LRR K, L)		
	Layers (A5)		High Chroma S					Surface (S9) (LRR K, L)		
	Below Dark Surface	(A11)		Mineral (F1) (LRR K, L)			Iron-Manganese Masses (F12) (LRR K, L, R)			
	rk Surface (A12)	(/ ( ) )	Loamy Gleyed			, _ /	Piedmont Floodplain Soils (F19) (MLRA 149B)			
	oodic (A17)		X Depleted Matri		,			nt Material (F21) (outside MLRA 145)		
	A 144A, 145, 149B)		Redox Dark Su		6)		Very Shallow Dark Surface (F22)			
Sandy M	ucky Mineral (S1)		Depleted Dark	Surface	(F7)		Other (Explain in Remarks)			
Sandy Gl	leyed Matrix (S4)		Redox Depres	sions (F8	3)		<u> </u>			
Sandy Re	edox (S5)		Marl (F10) ( <b>LR</b>	R K, L)			<sup>3</sup> Indicators of hydrophytic vegetation and			
Stripped	Matrix (S6)		Red Parent Ma	ed Parent Material (F21) (MLRA 145)			wetland hydrology must be present,			
							unless	disturbed or problematic.		
_	ayer (if observed):	l,								
-	Rocl						Undela Call Brosser	Van V. Na		
	ches):	12					Hydric Soil Present	t? Yes X No		
Remarks:										



Wetland P4A-R-6 - View facing north



Wetland P4A-R-6 - 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/Coun	ty: Ballston/ Saratoga	Sampling Date: 1/06/23
Applicant/Owner: TDI		State: NY	Sampling Point: UPL P4A-R-6
Investigator(s): C. Scrivner & J. Greaves		Section, Township, Range:	
Landform (hillside, terrace, etc.): Flat		ave, convex, none): None	Slope %: 0
		Long: -73.88875°W	
Soil Map Unit Name: BvB: Broadalbin-Manlius-Nassau		NWI classification:	NA
·	· · ·		
Are climatic / hydrologic conditions on the site typical for		<del></del>	explain in Remarks.)
Are Vegetation, Soil, or Hydrology		Are "Normal Circumstances" prese	<del></del>
Are Vegetation, Soil, or Hydrology	naturally problematic?	(If needed, explain any answers in	Remarks.)
SUMMARY OF FINDINGS – Attach site ma	ap showing sampling po	oint locations, transects, in	nportant features, etc.
Hydrophytic Vegetation Present? Yes	No X Is the S	Sampled Area	
Hydric Soil Present? Yes		a Wetland? Yes	No X
Wetland Hydrology Present? Yes		ptional Wetland Site ID:	··· <u>···</u>
Remarks: (Explain alternative procedures here or in a			
Rail road ballast / ROW	Separate report.		
Tuni Tuu Sanast, 11311			
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	•
Surface Water (A1) Wat	ter-Stained Leaves (B9)	Drainage Patterns (	
1 —	uatic Fauna (B13)	Moss Trim Lines (B	16)
	l Deposits (B15)	Dry-Season Water	
	Irogen Sulfide Odor (C1)	Crayfish Burrows (C	
Sediment Deposits (B2) Oxid	dized Rhizospheres on Living Re	oots (C3) Saturation Visible of	n Aerial Imagery (C9)
Drift Deposits (B3)	sence of Reduced Iron (C4)	Stunted or Stressed	l Plants (D1)
Algal Mat or Crust (B4) Rec	ent Iron Reduction in Tilled Soil	ls (C6) Geomorphic Positio	n (D2)
Iron Deposits (B5) Thir	n Muck Surface (C7)	Shallow Aquitard (D	03)
Inundation Visible on Aerial Imagery (B7) Other	er (Explain in Remarks)	Microtopographic R	elief (D4)
Sparsely Vegetated Concave Surface (B8)		FAC-Neutral Test (I	D5)
Field Observations:			
Surface Water Present? Yes No _ X	Depth (inches):		
Water Table Present? Yes No X			
Saturation Present? Yes No X		Wetland Hydrology Present?	Yes No X
(includes capillary fringe)			
Describe Recorded Data (stream gauge, monitoring we	ell, aerial photos, previous inspe	ections), if available:	
Remarks:			

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:(A)
3. 4.				Total Number of Dominant Species Across All Strata: 2 (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 species0 x 1 =0
1.				FACW species 0 x 2 = 0
2.				FAC species 5 x 3 = 15
3.				FACU species 20 x 4 = 80
4.				UPL species 0 x 5 = 0
F				Column Totals: 25 (A) 95 (B)
6.				Prevalence Index = B/A = 3.80
7.				Hydrophytic Vegetation Indicators:
··		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' )		= Total Cover		2 - Dominance Test is >50%
	00	V	FAOU	
1. Oenothera biennis	20	Yes	FACU	3 - Prevalence Index is ≤3.0¹
<ol> <li>Setaria pumila</li> <li>Setaria pumila</li> </ol>	5	Yes	FAC	4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)
4.			1	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5.				<sup>1</sup> 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.	<u> </u>			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
	25	=Total Cover		of size, and woody plants less than 3.28 ft tall.
Woody Vine Stratum (Plot size: 30' ) 1.				<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.
2.				
3.				Hydrophytic
4.				Vegetation Present? Yes No X
		=Total Cover		
Remarks: (Include photo numbers here or on a separa	ate sheet )	-		
Tremane. (morade prote numbers here or on a separe	ate officet.)			

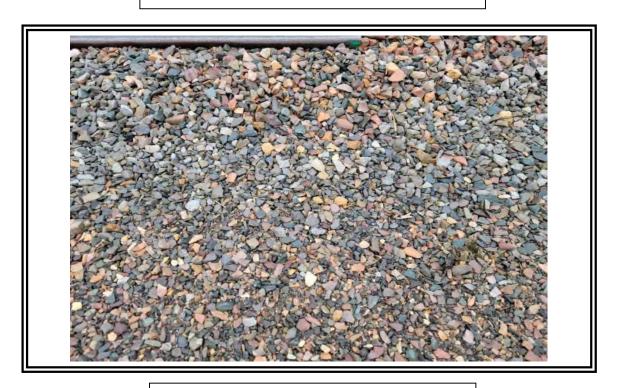
Sampling Point: UPL P4A-R-6

SOIL Sampling Point: UPL P4A-R-6

Depth	ription: (Describe to Matrix	o tne del		ment th k Featur		or or co	ntirm the absence o	f indicator	'S.)	
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture		Remai	rks
()			Color (molety		. )   0		· oxtaro	-	110	
								-		
			-		·					
								-		
<sup>1</sup> Type: C=Co	oncentration, D=Deple	etion, RM	=Reduced Matrix, M	S=Mask	ed Sand	Grains.	<sup>2</sup> Location:	PL=Pore Li	ning, M=Ma	trix.
Hydric Soil I	ndicators:						Indicators	for Proble	matic Hydri	c Soils³:
Histosol	(A1)		Dark Surface (S	S7)			2 cm N	luck (A10)	(LRR K, L, I	MLRA 149B)
Histic Ep	ipedon (A2)		Polyvalue Belov	w Surfac	ce (S8) ( <b>L</b>	.RR R,	Coast I	Prairie Red	ox (A16) ( <b>LF</b>	RR K, L, R)
Black His	stic (A3)		MLRA 149B)	)			5 cm N	lucky Peat	or Peat (S3)	(LRR K, L, R)
Hydroge	n Sulfide (A4)		Thin Dark Surfa	ace (S9)	(LRR R,	MLRA 1	<b>49B</b> ) Polyval	lue Below S	Surface (S8)	(LRR K, L)
Stratified	Layers (A5)		High Chroma S	ands (S	11) (LRR	K, L)	Thin Da	ark Surface	(S9) ( <b>LRR</b>	K, L)
	Below Dark Surface	(A11)	Loamy Mucky N							) (LRR K, L, R)
	rk Surface (A12)		Loamy Gleyed			,		-		9) ( <b>MLRA 149B</b> )
	oodic (A17)		Depleted Matrix	,	,					tside MLRA 145)
	A 144A, 145, 149B)		Redox Dark Su		6)				Surface (F	
	lucky Mineral (S1)		Depleted Dark					Explain in I		
	leyed Matrix (S4)		Redox Depress					_xpiaiii iii i	tomamoj	
	edox (S5)		Marl (F10) (LRI		<i>,</i>		<sup>3</sup> Indica	tors of hydr	ophytic vege	etation and
	Matrix (S6)		Red Parent Ma		21) <b>/MI R</b>	Δ 145)			gy must be j	
Otripped	Watrix (OO)		RCGT archi wa	teriai (i z	21) (IVILIX	A 143)				
Poetrietive I	_ayer (if observed):						unies	ss disturbed	d or problem	alic.
	Rock/ba	lloot								
Type:										
Depth (ir	nches):	0					Hydric Soil Prese	ent?	Yes	NoX
Remarks:										
No soils colle	ected. Rail road ROW	ballast/re	ock.							



**Upland P4A-R-6 - View facing north** 



Upland P4A-R-6 - Soils

# SITE PHOTOGRAPHS

### WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Clifton Park/Saratoga Sampling Date: 12/17/21
Applicant/Owner: TDI	State: NY Sampling Point: c-cP-M-2 Wet
Investigator(s): J. Greaves & K. Weiskotten	Section, Township, Range:
Landform (hillside, terrace, etc.): Depression Local	relief (concave, convex, none): Concave Slope %: 3
Subregion (LRR or MLRA): LRR R Lat: 42-53-30.99N	Long: 73-53-20.69W Datum: WGS84
Soil Map Unit Name: BvB - Broadalbin-Manlius-Nassau, comples, undulati	
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.) Purple loosestrife 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) Aut B provide (B45)	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)  Drift Deposits (B3)  Oxidized Kriizospheres of Presence of Reduced Inc.	
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):	
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:	

	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 Deminent
				Total Number of Dominant Species Across All Strata: 2 (B)
				``
				Percent of Dominant Species 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:15')				OBL species100 x 1 =100
				FACW species 0 x 2 = 0
				FAC species 0 x 3 = 0
·				FACU species0 x 4 =0
				UPL species0 x 5 =0
•				Column Totals: 100 (A) 100 (B
				Prevalence Index = B/A = 1.00
				Hydrophytic Vegetation Indicators:
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation
Herb Stratum (Plot size: 5' )		•		X 2 - Dominance Test is >50%
. Lythrum salicaria	45	Yes	OBL	X 3 - Prevalence Index is ≤3.0¹
<u> </u>	40	Yes	OBL	4 - Morphological Adaptations <sup>1</sup> (Provide supportin
<del></del>				data in Remarks or on a separate sheet)
3. Juncus effusus	10	No No	OBL	
L. Eutrochium maculatum	5	No	OBL	Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5				<sup>1</sup> Indicators of hydric soil and wetland hydrology must
i				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				Sapling/shrub – Woody plants less than 3 in. DBH
1.				and greater than or equal to 3.28 ft (1 m) tall.
2.				Harts All banks are sure (reary sure of a) relative respectively
	100	=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' )		•		
·				<b>Woody vines</b> – All woody vines greater than 3.28 ft in height.
				neight.
				Hydrophytic
3				Vegetation
		=Total Cover		Present?
i				

	•	to the de	-			ator or c	onfirm the absence of	f indicators.)
Depth	Matrix	0/		K Featur		1 - 2	T 4	D
(inches)	Color (moist)		Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-9	10YR 3/1	95	7.5YR 5/6	5	c	m	Mucky Loam/Clay	Prominent redox concentrations
<sup>1</sup> Type: C=Co	oncentration, D=Depl	etion, RN	/I=Reduced Matrix, M	IS=Mas	ked Sand	d Grains.		L=Pore Lining, M=Matrix.
Hydric Soil								or Problematic Hydric Soils <sup>3</sup> :
Histosol	` '		Polyvalue Belo		ce (S8) (	LRR R,		ick (A10) ( <b>LRR K, L, MLRA 149B</b> )
	ipedon (A2)		MLRA 149B					rairie Redox (A16) ( <b>LRR K, L, R</b> )
Black Hi			Thin Dark Surfa				· —	icky 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 I			<b>R K</b> , L)		rk Surface (S9) ( <b>LRR K, L</b> )
	Below Dark Surface	e (A11)	Loamy Gleyed		F2)			nganese Masses (F12) (LRR K, L, R)
	rk Surface (A12)		Depleted Matrix					nt Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		X Redox Dark Su					podic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
	leyed Matrix (S4)		Depleted Dark					ent Material (F21)
	edox (S5)		Redox Depress		8)			allow Dark Surface (F22)
	Matrix (S6)		Marl (F10) ( <b>LR</b>	RK,L)			Other (E	xplain in Remarks)
Dark Sui	face (S7)							
<sup>3</sup> Indicators of	hydrophytic yogotat	ion and v	otland hydrology mu	iet ha ni	rosont ur	aloes dist	turbed or problematic.	
	_ayer (if observed):	ion and v	veliand hydrology mic	ist be bi	esent, ui	iless disi	lurbed or problematic.	
Type:	Roc	٠k						
-								
Depth (ir	nches):	9					Hydric Soil Preser	nt? Yes No
Remarks:								
			-					CS Field Indicators of Hydric Soils,
Version 7.0,	2015 Errata. (http://w	ww.nrcs	usda.gov/Internet/FS	SE_DOC	JUMENI	S/nrcs14	2p2_051293.docx)	



Wetland C-CP-M-2 - View facing northeast.



Wetland C-CP-M-2 - Soils

# **SITE PHOTOGRAPHS**

### WETLAND DETERMINATION DATA FORM – Northcentral and Northeast Region

Project/Site: CHPE	City/County: Clifton Park/Saratoga Sampling Date: 12/17/21
Applicant/Owner: TDI	State: NY Sampling Point: c-cp-м-2 up
Investigator(s): J. Greaves & K. Weiskotten	Section, Township, Range:
	relief (concave, convex, none): Convex Slope %: 10
Subregion (LRR or MLRA): LRR R Lat: 42-53-30.94N	Long: 73-53-20.59W Datum: WGS84
Soil Map Unit Name: BvB - Broadalbin-Manlius-Nassau, complex, undulati	ing 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:
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 (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 the control of th	
Drift Deposits (B3) Presence of Reduced Ire	<del></del>
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	<del></del>
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:	

ee Stratum (Plot size:30')	% 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)			
				Beauty of Beauty and Consider			
				Percent of Dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B			
				Prevalence Index worksheet:			
		=Total Cover		Total % Cover of: Multiply by:			
pling/Shrub Stratum (Plot size: 15'		10101 00101		OBL species 0 x 1 = 0			
· · · · · · · · · · · · · · · · · · ·	,			FACW species 0 x 2 = 0			
				' <del></del>			
_				FACU species 8 x 4 = 32			
				UPL species 5 x 5 = 25			
	·			Column Totals: 100 (A) 318 (B			
				Prevalence Index = B/A = 3.18			
	· <u> </u>			Hydrophytic Vegetation Indicators:			
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
rb Stratum (Plot size:5' )				X 2 - Dominance Test is >50%			
Setaria pumila	87	Yes	FAC	3 - Prevalence Index is ≤3.0 <sup>1</sup>			
Dipsacus laciniatus	8	No	FACU	4 - Morphological Adaptations <sup>1</sup> (Provide supporti			
Verbascum thapsus	5	No	UPL	data in Remarks or on a separate sheet)			
<u> </u>				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
				<del>-</del>			
				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
-				Definitions of Vegetation Strata:			
-				Definitions of Vegetation Guata.			
	· -			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, regardles:			
	100	=Total Cover		of size, and woody plants less than 3.28 ft tall.			
body Vine Stratum (Plot size: 30'	)			Woody vines – All woody vines greater than 3.28 ft in			
				height.			
				Hydrophytic Vegetation			
				Present? Yes X No			
		=Total Cover					
marks: (Include photo numbers here or on a sep		= rotal Cover					
marks. (molade priote numbers here of on a sep	drate sheet.)						

		o the de				ator or co	onfirm the absence of i	ndicators.)
Depth	Matrix			x Featur		. 2		
(inches)	Color (moist)	%	Color (moist)		Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks
0-7	10YR 3/1	100					Loamy/Clayey	
								_
<sup>1</sup> Type: C=Co	oncentration, D=Depl	etion RN	######################################	 AS=Mas	ked Sand	H Grains	<sup>2</sup> l ocation: Pl =	Pore Lining, M=Matrix.
Hydric Soil		otion, rai	T TOUGOOG WIGHTX, N	io iviao	Roa Garie	oranio.		Problematic Hydric Soils <sup>3</sup> :
Histosol			Polyvalue Belo	w Surfa	ce (S8) (I	I RR R		(A10) (LRR K, L, MLRA 149B)
	pipedon (A2)		MLRA 149B		00 (00) (1	Litti it,		rie Redox (A16) ( <b>LRR K, L, R</b> )
Black Hi			Thin Dark Surf	•	) (I RR R	MI RA 1		xy Peat or Peat (S3) ( <b>LRR K, L, R</b> )
	n Sulfide (A4)		High Chroma S				· —	Below Surface (S8) (LRR K, L)
	I Layers (A5)		Loamy Mucky					Surface (S9) (LRR K, L)
	l Below Dark Surface	(Δ11)	Loamy Gleyed			( IX, L)		anese Masses (F12) (LRR K, L, R)
	ark Surface (A12)	(Δ11)	Depleted Matri		1 2)			Floodplain Soils (F19) (MLRA 149B)
	lucky Mineral (S1)		Redox Dark Su		6)			dic (TA6) ( <b>MLRA 144A, 145, 149B</b> )
	leyed Matrix (S4)		Depleted Dark					t Material (F21)
	edox (S5)		Redox Depress					ow Dark Surface (F22)
	Matrix (S6)		Marl (F10) (LR	,	0)			lain in Remarks)
	face (S7)		Wall (i 10) ( <b>LIX</b>	IX IX, L)			Other (Exp	nam m Kemarks)
— Daik Sui	lace (Gr)							
<sup>3</sup> Indicators of	f hydrophytic vegetati	on and w	etland hydrology mu	ıst be pr	resent ur	nless dist	urbed or problematic.	
	_ayer (if observed):			р.			and or production and	
Type:	Grave	es						
Depth (ir		7					Hydric Soil Present?	yos No y
		<i>'</i>					nyunc son Present	? Yes No _X_
Remarks:								
								Field Indicators of Hydric Soils,
version 7.0,	2015 Errata. (http://w	ww.nrcs.	usua.gov/internet/F3	SE_DOC	JUIVIENT	S/IIICS 14.	2p2_051293.docx)	



**Upland C-CP-M-2 - View facing southwest.** 



**Upland C-CP-M-2 - 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: Ballstor	n/ Saratoga	Sampling Date: 1/06/23		
Applicant/Owner: TDI	<u> </u>	State: NY	Sampling Point: Wet P4A-S		
Investigator(s): C. Scrivner & J. Greaves	Section, Tov	wnship, Range:			
	relief (concave, conve		Slope %: 2		
Subregion (LRR or MLRA): LRR R Lat: 42.88833°N		-73.89263°W	Datum: WGS 84		
Soil Map Unit Name: MnB: Manlius-Nassau complex, undulating, rocky	Long.	NWI classification:	PEM1		
Are climatic / hydrologic conditions on the site typical for this time of year?	Yes x	<del></del>	explain in Remarks.)		
Are Vegetation, Soil, or Hydrologysignificantly distur	rbed? Are "Norn	nal Circumstances" prese	nt? Yes x No		
Are Vegetation, Soil, or Hydrologynaturally problems	atic? (If needed	d, explain any answers in	Remarks.)		
SUMMARY OF FINDINGS – Attach site map showing san	mpling point loca	tions, transects, in	nportant features, etc.		
Hydrophytic Vegetation Present? Yes X No	Is the Sampled Ar	ea			
Hydric Soil Present?  Yes X No	within a Wetland?		No		
Wetland Hydrology Present? Yes X No		tland Site ID: Near flag			
Remarks: (Explain alternative procedures here or in a separate report.)	1 -				
Common reed marsh.					
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	(B6)		
X Surface Water (A1) Water-Stained Leaves (	(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 (	C1) Crayfish Burrows (C8)				
Sediment Deposits (B2) Oxidized Rhizospheres	on Living Roots (C3)	Saturation Visible o	n Aerial Imagery (C9)		
Drift Deposits (B3) Presence of Reduced In	on (C4)	Plants (D1)			
Algal Mat or Crust (B4)Recent Iron Reduction in	n Tilled Soils (C6)	n (D2)			
Iron Deposits (B5) Thin Muck Surface (C7)	Shallow Aquitard (D3)				
Inundation Visible on Aerial Imagery (B7) Other (Explain in Remark	rks)Microtopographic Relief (D4)				
Sparsely Vegetated Concave Surface (B8)		X FAC-Neutral Test (	D5)		
Field Observations:					
Surface Water Present? Yes X No Depth (inches):	:3				
Water Table Present? Yes X No Depth (inches):	: <u> </u>				
Saturation Present? Yes X No Depth (inches):	: 0 Wetlan	d 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:)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:			
1 2				Number of Dominant Species That Are OBL, FACW, or FAC: (A)			
3. 4.		<u> </u>		Total Number of Dominant Species Across All Strata: 2 (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 species10 x 1 =10			
1.				FACW species75 x 2 =150			
2.				FAC species 0 x 3 = 0			
3.				FACU species 0 x 4 = 0			
4				UPL species 0 x 5 = 0			
5				Column Totals: <u>85</u> (A) <u>160</u> (B)			
6.				Prevalence Index = B/A = 1.88			
7				Hydrophytic Vegetation Indicators:			
		=Total Cover		1 - Rapid Test for Hydrophytic Vegetation			
Herb Stratum (Plot size: 5' )		-		X 2 - Dominance Test is >50%			
1. Phragmites australis	40	Yes	FACW	X 3 - Prevalence Index is ≤3.0 <sup>1</sup>			
2. Bidens frondosa	35	Yes	FACW	4 - Morphological Adaptations <sup>1</sup> (Provide supporting			
3. Lythrum salicaria	10	No	OBL	data in Remarks or on a separate sheet)			
4.				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)			
5 6.				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.			
7.				Definitions of Vegetation Strata:			
8		- <u></u>		<b>Tree</b> – 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.				Harb All barbassas (non woods) plants regardless			
	85	=Total Cover		<b>Herb</b> – 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.		· ——		Hydrophytic			
3. 4.		·		Vegetation Present? Yes X No			
		=Total Cover					
Remarks: (Include photo numbers here or on a separa	oto oboot \	-1010100101					
Remarks. (include prioto numbers here of on a separ	ate sneet.)						

Sampling Point: Wet P4A-S

**SOIL** Sampling Point: Wet P4A-S

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 <sup>1</sup>	Loc <sup>2</sup>	Texture	Remarks		
0-16	10YR 2/1	60	5YR 5/8	30	С	M	Loamy/Clayey	Prominent redox concentrations		
			10YR 5/4	10	С	M		Distinct redox concentrations		
							<del></del> -			
<sup>1</sup> Type: C=Co	ncentration, D=Deple	tion. RM	=Reduced Matrix, M	S=Mask	ed Sand	Grains.	<sup>2</sup> I ocation: PI	L=Pore Lining, M=Matrix.		
Hydric Soil I		,	Trouded mann, m		00 00.10	0.0		or Problematic Hydric Soils <sup>3</sup> :		
Histosol	(A1)		Dark Surface (	S7)			2 cm Mu	ck (A10) ( <b>LRR K, L, MLRA 149B</b> )		
Histic Ep	ipedon (A2)		Polyvalue Belo		ce (S8) ( <b>L</b>	RR R,		rairie 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)	( 4 4 4 )	High Chroma S					k Surface (S9) (LRR K, L)		
	Below Dark Surface (	(A11)	Loamy Mucky I			R K, L)		nganese Masses (F12) (LRR K, L, R)		
	rk Surface (A12)		Loamy Gleyed		-2)			at Floodplain Soils (F19) (MLRA 149B)		
	odic (A17) A 144A, 145, 149B)		Depleted Matrix X Redox Dark Su		6)		Red Parent Material (F21) (outside MLRA 14:  Very Shallow Dark Surface (F22)			
•	ucky Mineral (S1)		Depleted Dark					xplain in Remarks)		
	leyed Matrix (S4)		X Redox Depress				Outer (E.	xpiair iii Kemarkey		
	edox (S5)		Marl (F10) (LR		-,		<sup>3</sup> Indicators of hydrophytic vegetation and			
	Matrix (S6)		Red Parent Ma		21) <b>(MLR</b>	A 145)	wetland hydrology must be present,			
							unless disturbed or problematic.			
Restrictive L	ayer (if observed):									
Type:										
Depth (in	ches):						Hydric Soil Presen	nt? Yes X No		
Remarks:										



Wetland P4A-S-3 - View facing south



Wetland P4A-S-3 - 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: Ballston/ Saratoga Sampling Date: 1/06/23				
Applicant/Owner: TDI	State: NY Sampling Point: Upl P4A-S-3				
Investigator(s): C. Scrivner & J. Greaves	Section, Township, Range:				
·	relief (concave, convex, none): None Slope %: 0				
Subregion (LRR or MLRA): LRR R Lat: 42.88834°N	Long: -73.89271°W Datum: WGS 84				
Soil Map Unit Name: MnB: Manlius-Nassau complex, undulating, rocky	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					
<del></del>	<del></del> -				
Are Vegetation, Soil, or Hydrologynaturally problems					
SUMMARY OF FINDINGS – Attach site map snowing sar	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:				
Remarks: (Explain alternative procedures here or in a separate report.) Railroad ballast / ROW					
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 Ir					
Algal Mat or Crust (B4) Recent Iron Reduction i	· · · · · · · · · · · · · · · · · · ·				
Iron Deposits (B5) Thin Muck Surface (C7)	. , ,				
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, pro	evious inspections), if available:				
Describe Novordod Data (stroam gadge, memoring wen, dend. photos, pro	evious inspections), ii avaliabic.				
B d <sub>2</sub> .					
Remarks:					

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				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 <sup>1</sup>
2.				4 - Morphological Adaptations <sup>1</sup> (Provide supporting
3.				data in Remarks or on a separate sheet)
4.				Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)
5. 6.				<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
7				Definitions of Vegetation Strata:
9.				<b>Tree</b> – 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') 1				Woody vines – All woody vines greater than 3.28 ft in height.
2.				- Tabyana
2				Hydrophytic
4.				Vegetation Present? Yes No X
···		=Total Cover		100 <u>X</u>
Remarks: (Include photo numbers here or on a separ		- Total Gover		
No vegetation growing in ROW. All railroad ballast.	ate sneet.)			

Sampling Point: Upl P4A-S-3

SOIL Sampling Point: Upl P4A-S-3

		the de				or or co	nfirm the absence of in	dicators.)		
Depth	Matrix			x Featur		2				
(inches)	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>	Texture	Remark	(S	
-										
	ncentration, D=Deple	tion, RN	=Reduced Matrix, M	S=Mask	ed Sand	Grains.		Pore Lining, M=Mati		
Hydric Soil Ir							Indicators for	Problematic Hydric	: Soils³:	
Histosol (	A1)		Dark Surface (	,			2 cm Muck	(A10) ( <b>LRR K, L, M</b>	LRA 149B)	
Histic Epi	pedon (A2)		Polyvalue Belo	w Surfac	ce (S8) ( <b>L</b>	RR R,	Coast Prai	irie Redox (A16) ( <b>LR</b>	R K, L, R)	
Black His	tic (A3)		MLRA 149B	)			5 cm Muck	ky Peat or Peat (S3)	(LRR K, L, R)	
Hydroger	Sulfide (A4)		Thin Dark Surf	ace (S9)	(LRR R,	MLRA 1	<b>49B</b> ) Polyvalue	Below Surface (S8) (	LRR K, L)	
Stratified	Layers (A5)		High Chroma S	Sands (S	311) (LRR	K, L)	Thin Dark	Surface (S9) (LRR K	(, L)	
Depleted	Below Dark Surface	(A11)	Loamy Mucky	Mineral (	(F1) ( <b>LRR</b>	K, L)	Iron-Mang	anese Masses (F12)	(LRR K, L, R)	
Thick Dai	k Surface (A12)		Loamy Gleyed	Matrix (	F2)		Piedmont I	Floodplain Soils (F19	) (MLRA 149B)	
Mesic Sp	odic (A17)		Depleted Matri	x (F3)			Red Paren	nt Material (F21) <b>(out</b>	side MLRA 145)	
(MLRA	A 144A, 145, 149B)		Redox Dark Su	urface (F	6)		Very Shall	ow Dark Surface (F2	2)	
Sandy Mu	ucky Mineral (S1)		Depleted Dark	Surface	(F7)		Other (Exp	olain in Remarks)		
Sandy Gl	eyed Matrix (S4)		Redox Depress	sions (F	8)					
Sandy Re	edox (S5)		Marl (F10) ( <b>LR</b>	R K, L)			<sup>3</sup> Indicators	of hydrophytic vege	tation and	
Stripped I	Matrix (S6)		Red Parent Ma	aterial (F	21) <b>(MLR</b>	A 145)	wetland hydrology must be present,			
							unless d	listurbed or problema	atic.	
Restrictive L	ayer (if observed):									
Type:	Rock/railroa	d ballast								
Depth (in	ches):	0					Hydric Soil Present?	? Yes	No X	
							,		· · · —	
Remarks:	cted. All railroad balla	et								
NO SOIIS COIIE	steu. Ali ralli oau balla	.St.								